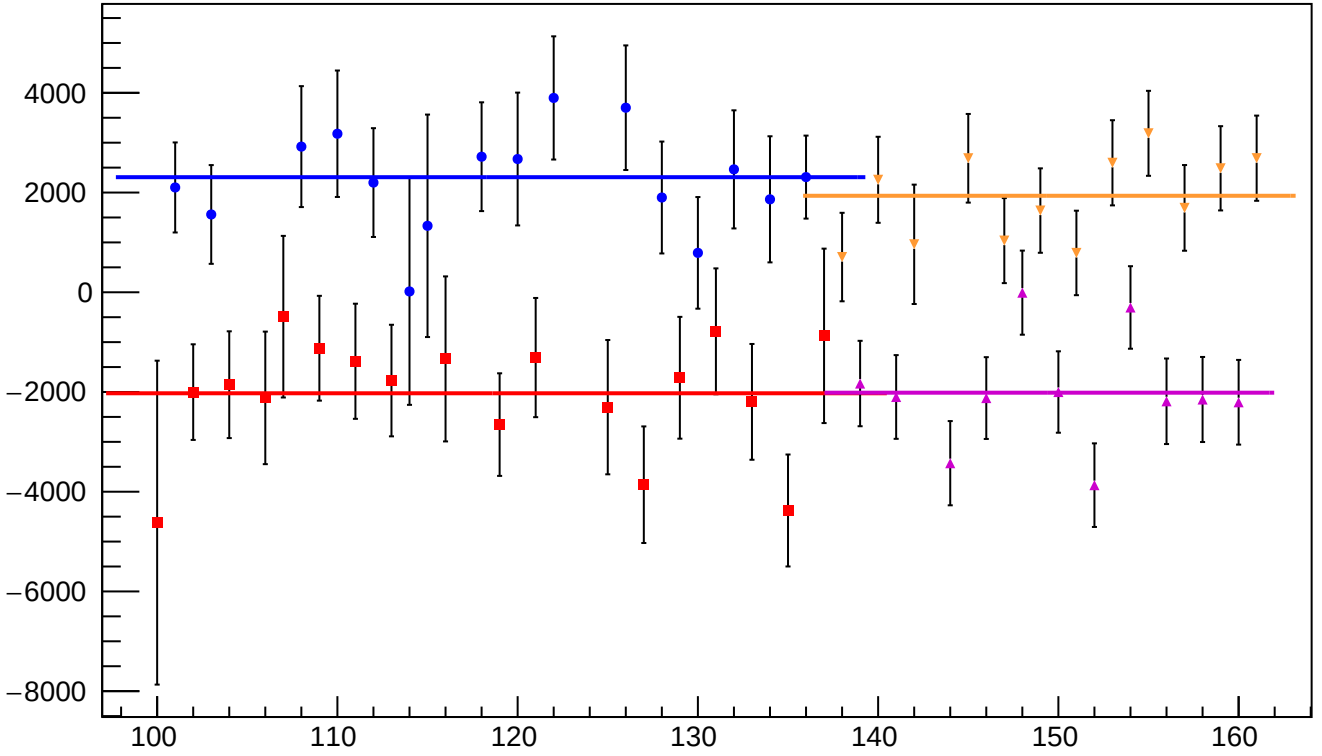
reg_asym_us_avg_mean vs Slug



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

Left Out: 1935.386+/-253.086 χ^2/NDF:10.5/11

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

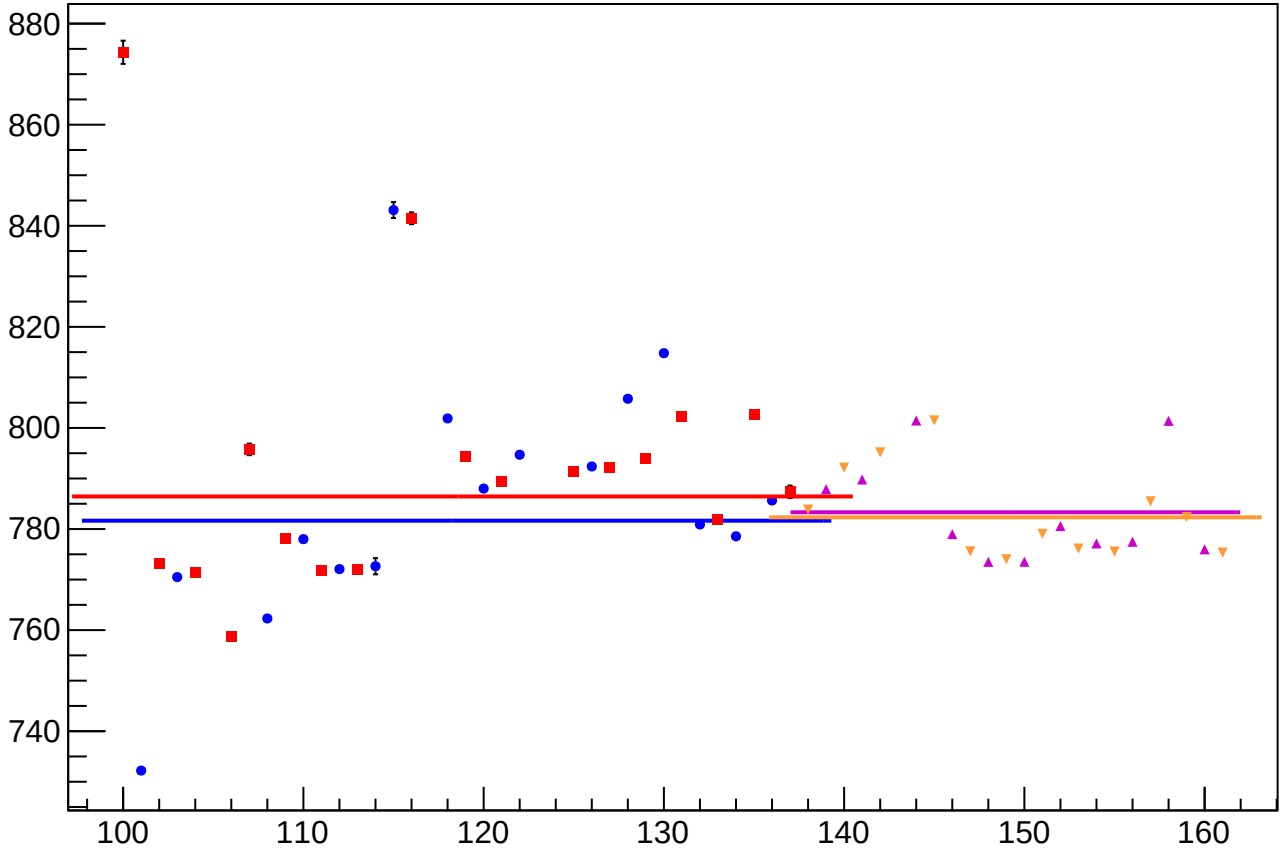
Left In: -2014.128+/-253.372 χ^2/NDF:17.8/10

+ sign 2096.277+/-190.805 χ^2/NDF: 19.3/27

All: 37.959+/-134.899 χ^2/NDF: 281.7/56

- sign -2019.110+/-190.747 χ^2/NDF: 29.8/28

reg_asym_us_avg_rms vs Slug



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

Left Out: 782.318+/-0.179 χ^2/NDF:2164.4/11

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

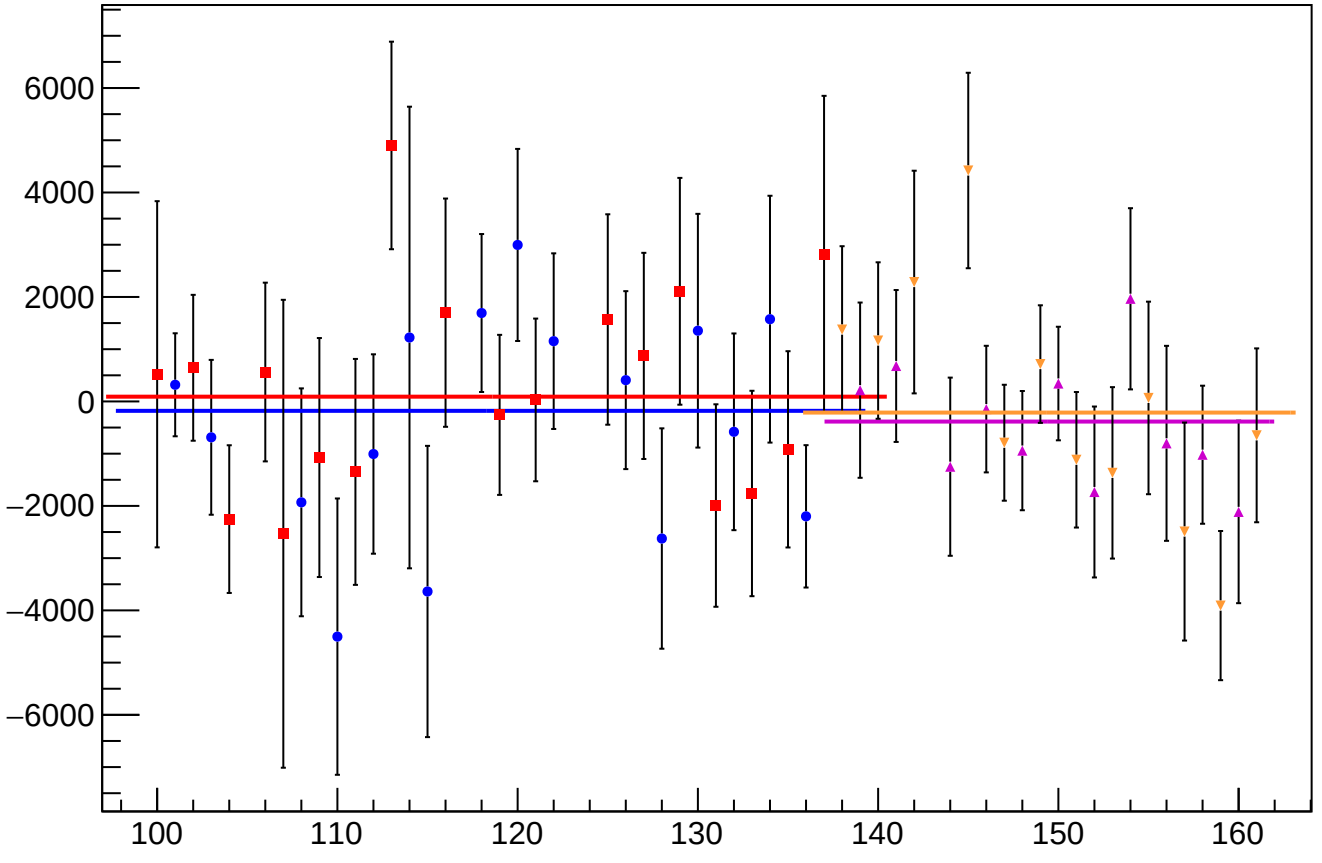
Left In: 783.313+/-0.179 χ^2/NDF:2986.5/10

+ sign 782.031+/-0.135 χ^2/NDF: 14489.4/27

All: 783.351+/-0.095 χ^2/NDF: 25000.9/56

- sign 784.669+/-0.135 χ^2/NDF: 10320.4/28

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: -213.181+/-434.928 χ^2/NDF:19.3/11

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

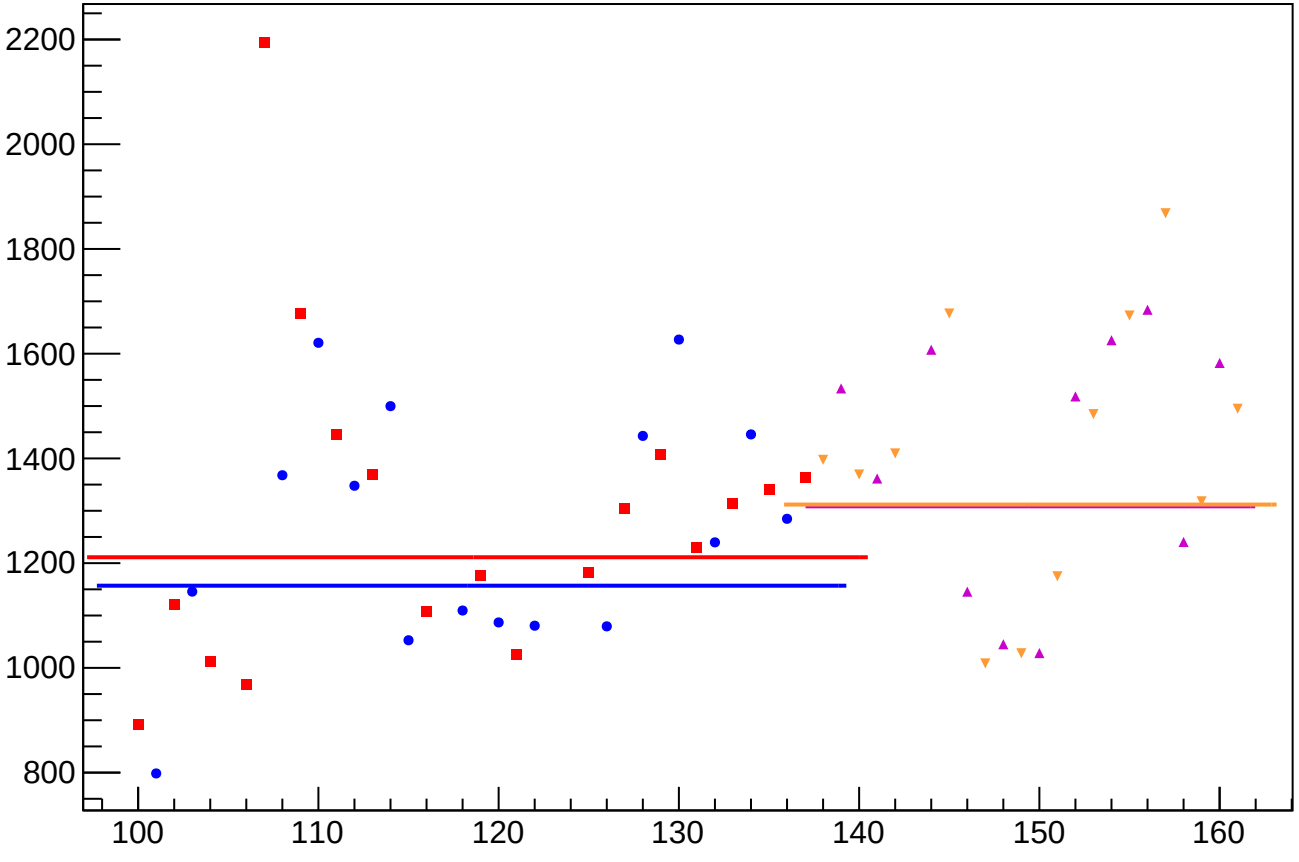
Left In: -385.441+/-431.934 χ^2/NDF:5.4/10

+ sign -196.777+/-309.586 χ^2/NDF: 34.7/27

All: -178.289+/-220.177 χ^2/NDF: 55.9/56

- sign -159.367+/-313.199 χ^2/NDF: 21.2/28

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1311.903+/-0.308 χ^2/NDF:653241.6/11

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

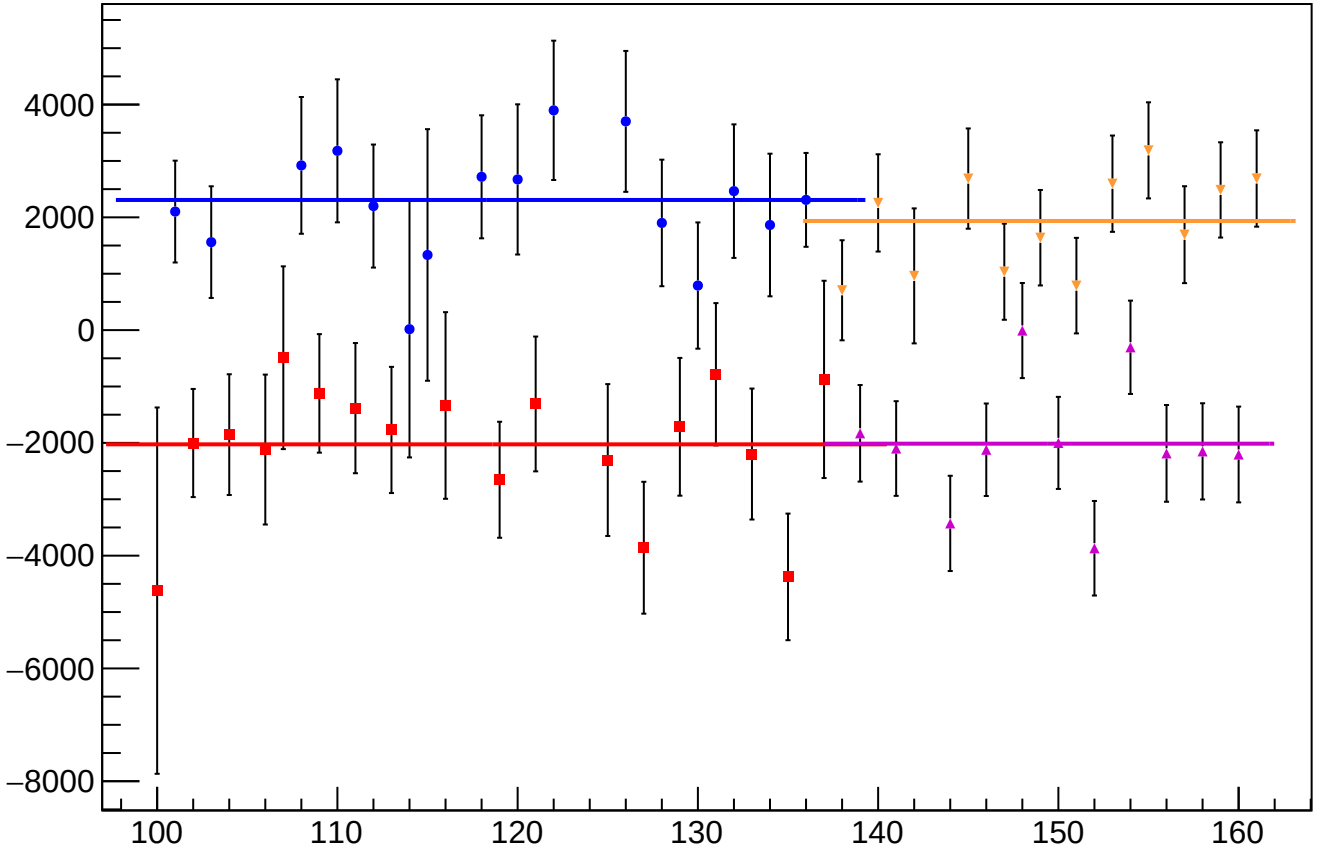
Left In: 1308.511+/-0.305 χ^2/NDF:610890.5/10

+ sign 1235.459+/-0.219 χ^2/NDF: 1347600.9/27

All: 1248.771+/-0.156 χ^2/NDF: 2411763.8/56

- sign 1262.395+/-0.221 χ^2/NDF: 1056681.0/28

cor_asym_us_avg_mean vs Slug



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

Left Out: 1935.386+/-253.086 χ^2/NDF:10.5/11

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

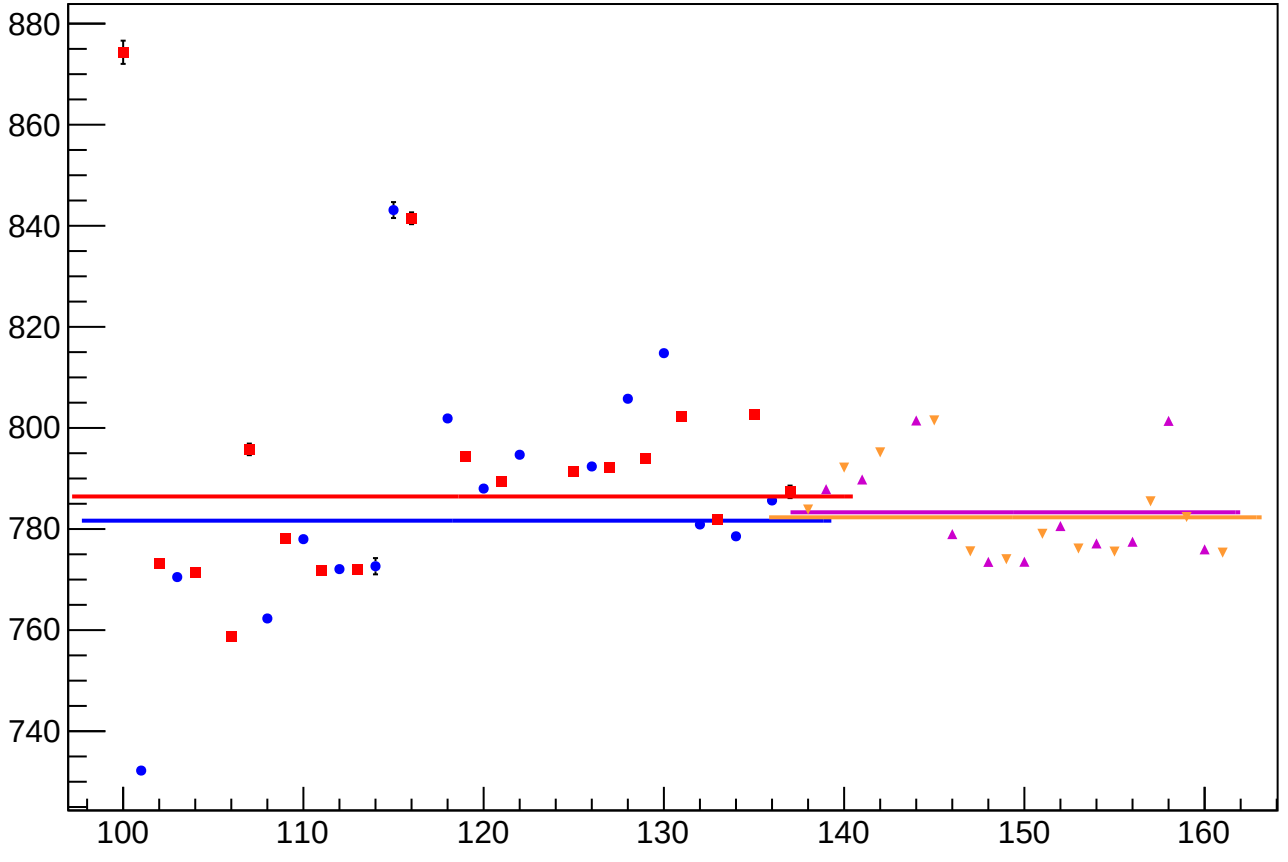
Left In: -2014.128+/-253.372 χ^2/NDF:17.8/10

+ sign 2096.277+/-190.805 χ^2/NDF: 19.3/27

All: 37.959+/-134.899 χ^2/NDF: 281.7/56

- sign -2019.110+/-190.747 χ^2/NDF: 29.8/28

cor_asym_us_avg_rms vs Slug



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

Left Out: 782.318+/-0.179 χ^2/NDF:2164.4/11

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

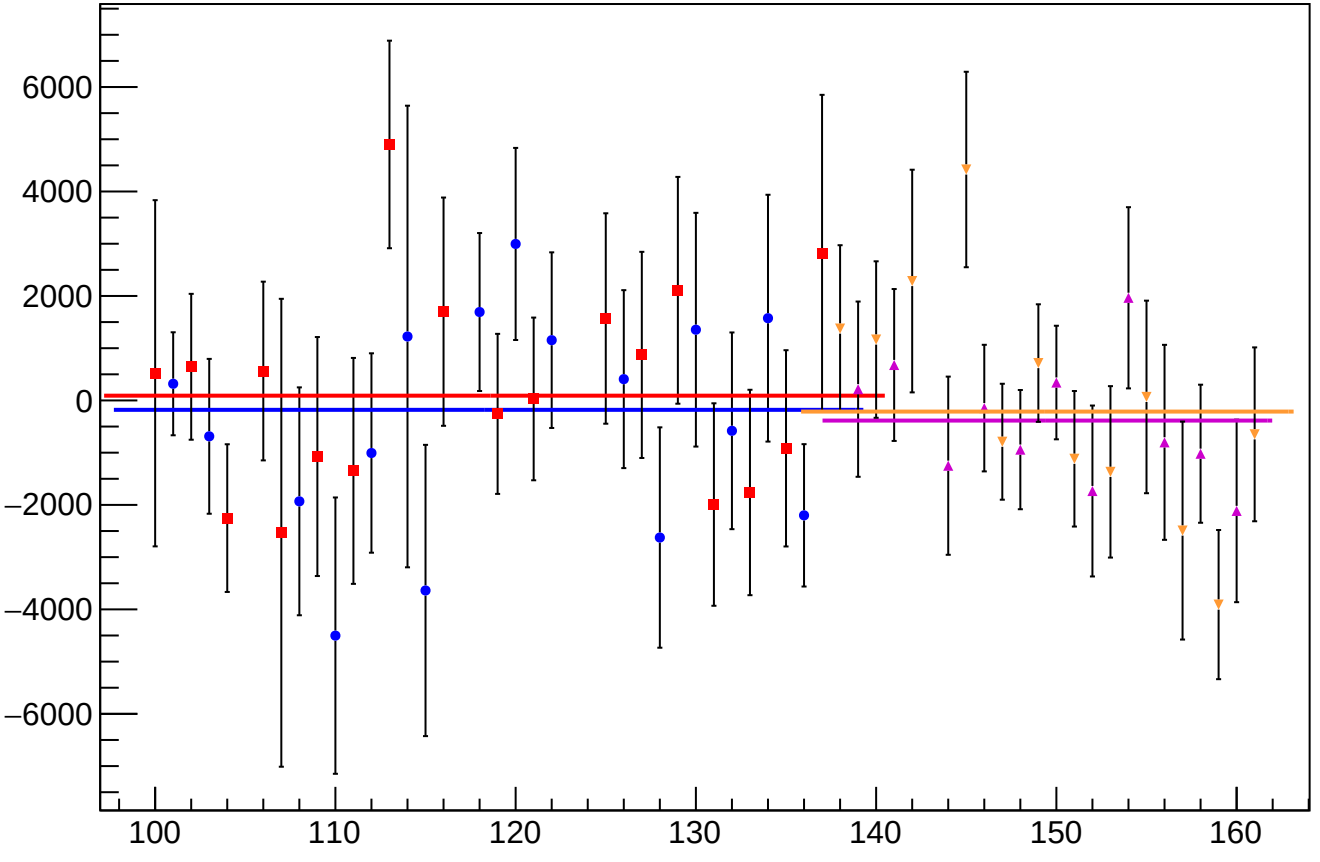
Left In: 783.313+/-0.179 χ^2/NDF:2986.5/10

+ sign 782.031+/-0.135 χ^2/NDF: 14489.4/27

All: 783.351+/-0.095 χ^2/NDF: 25000.9/56

- sign 784.669+/-0.135 χ^2/NDF: 10320.4/28

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: -213.181+/-434.928 χ^2/NDF:19.3/11

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

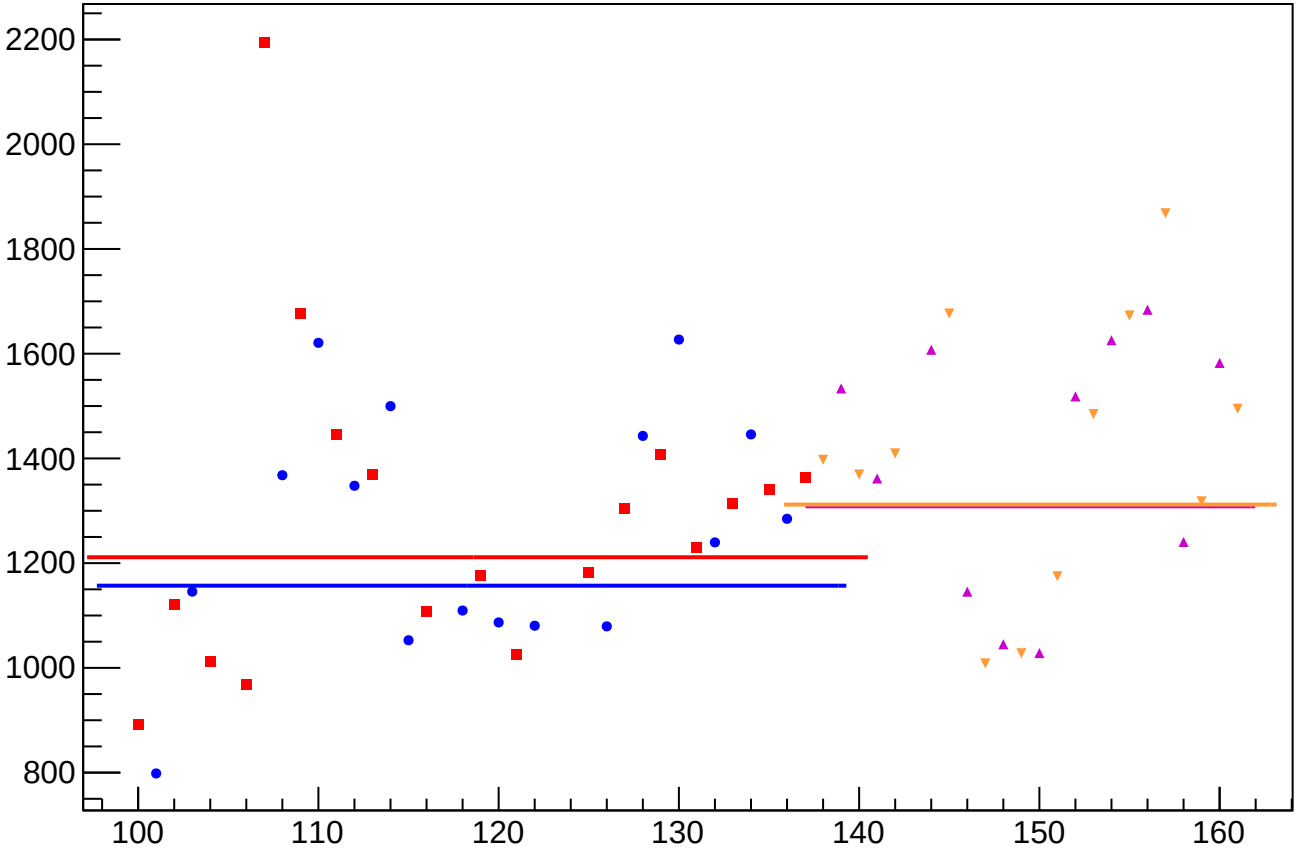
Left In: -385.441+/-431.934 χ^2/NDF:5.4/10

+ sign -196.777+/-309.586 χ^2/NDF: 34.7/27

All: -178.289+/-220.177 χ^2/NDF: 55.9/56

- sign -159.367+/-313.199 χ^2/NDF: 21.2/28

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1311.903+/-0.308 χ^2/NDF:653241.6/11

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

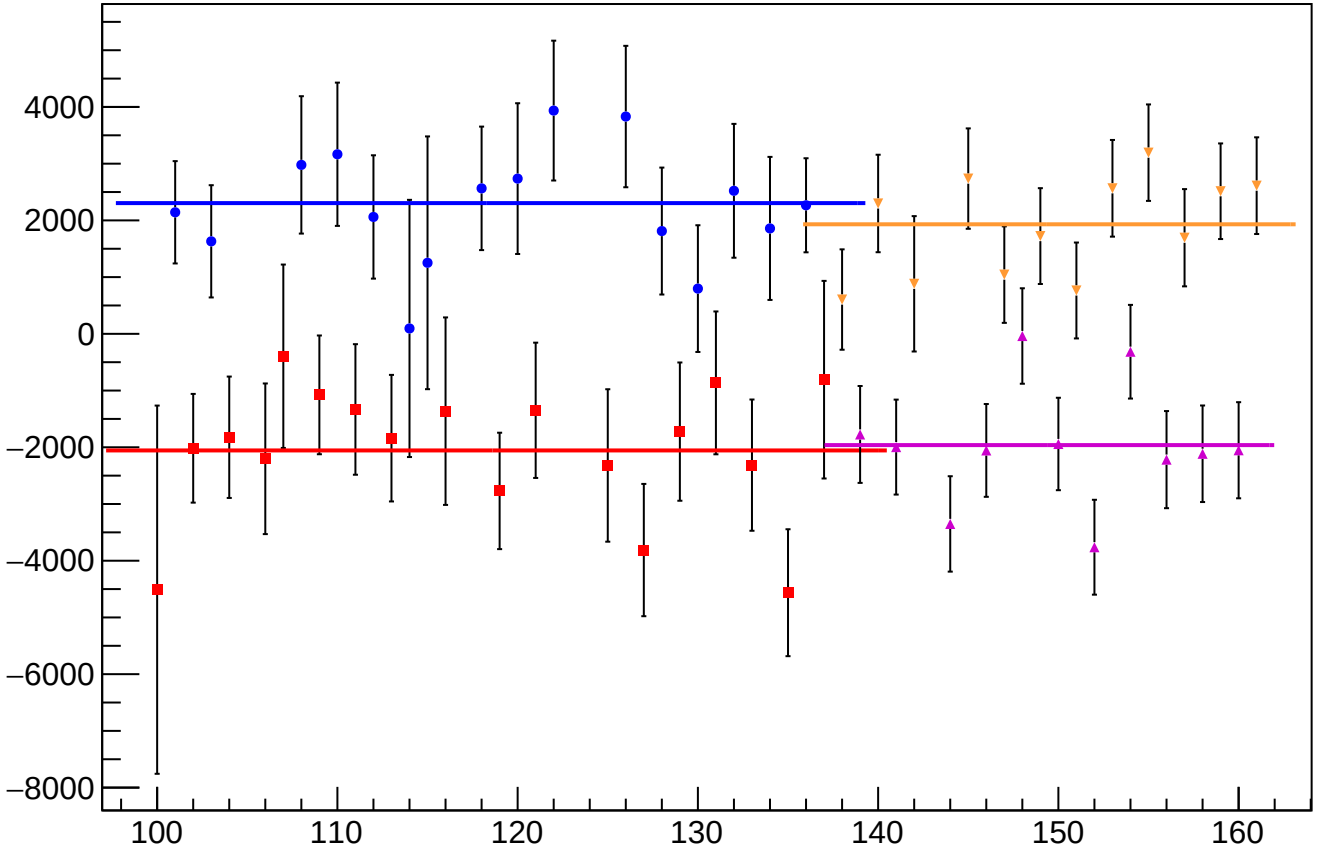
Left In: 1308.511+/-0.305 χ^2/NDF:610890.5/10

+ sign 1235.459+/-0.219 χ^2/NDF: 1347600.9/27

All: 1248.771+/-0.156 χ^2/NDF: 2411763.8/56

- sign 1262.395+/-0.221 χ^2/NDF: 1056681.0/28

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1931.253+/-252.402 χ^2/NDF:11.0/11

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

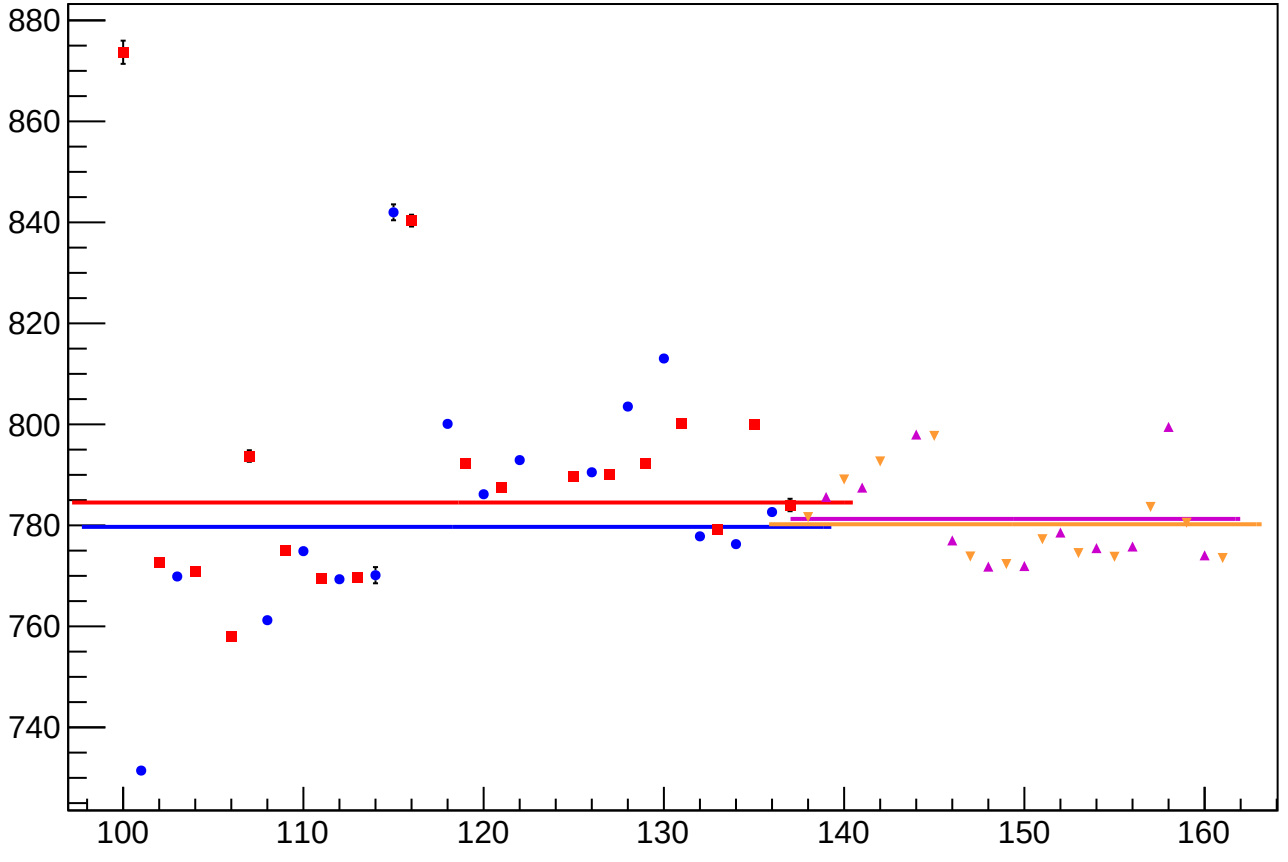
Left In: -1961.551+/-252.713 χ^2/NDF:16.8/10

+ sign 2092.467+/-190.306 χ^2/NDF: 20.1/27

All: 44.627+/-134.552 χ^2/NDF: 281.3/56

- sign -2002.318+/-190.264 χ^2/NDF: 29.7/28

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 780.218+/-0.178 χ^2/NDF:1888.0/11

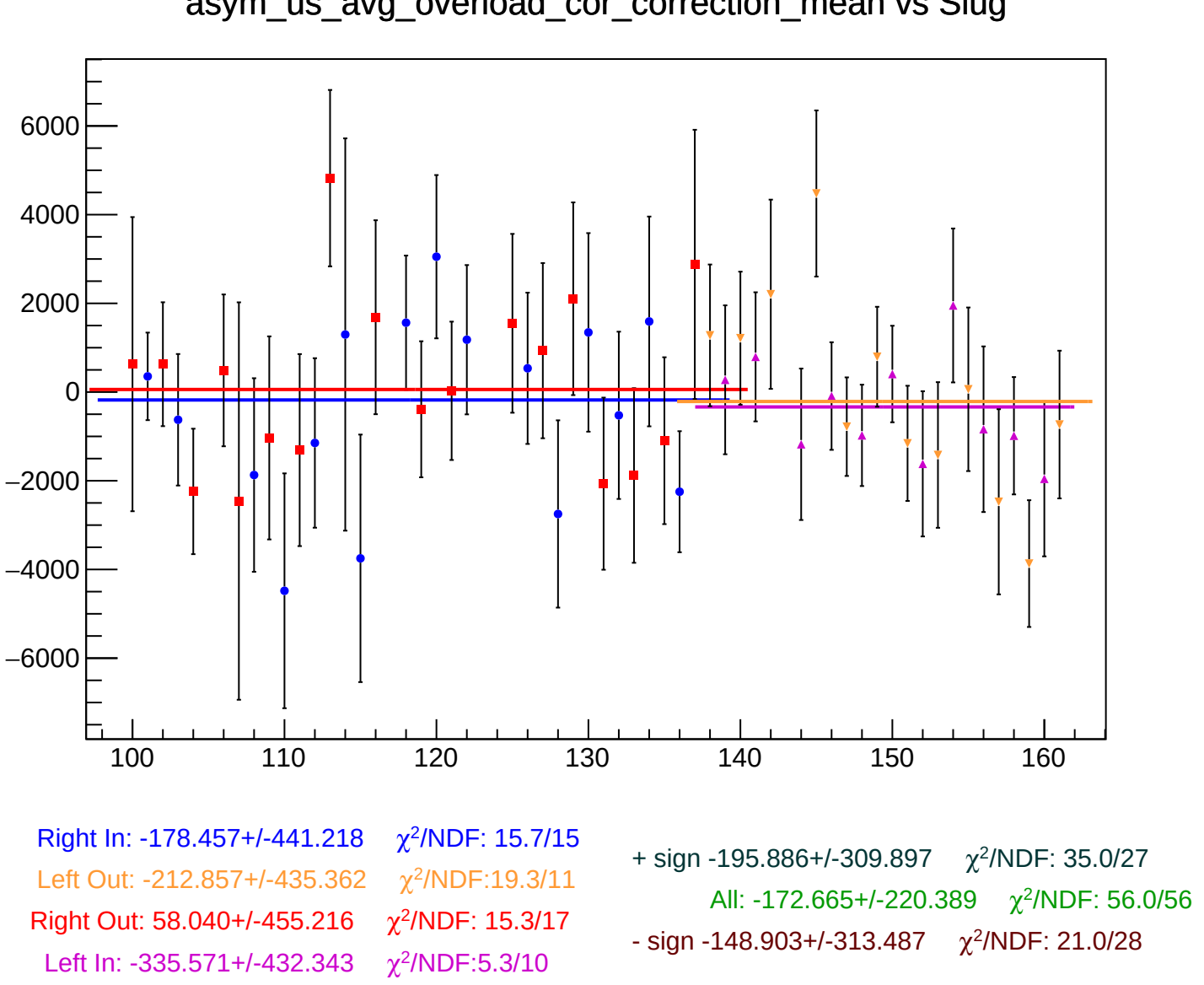
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 781.280+/-0.179 χ^2/NDF:2780.5/10

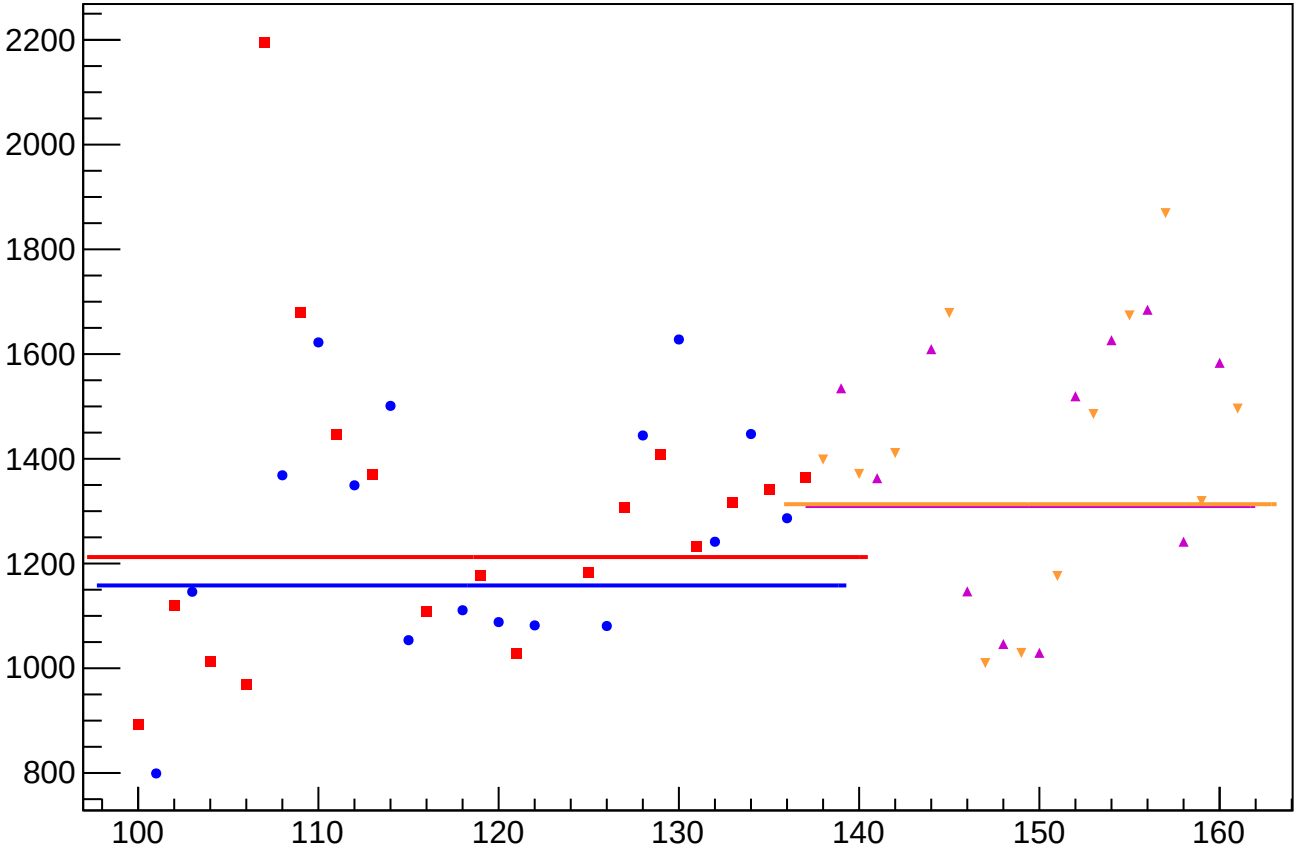
+ sign 779.996+/-0.135 χ^2/NDF: 13951.9/27

All: 781.341+/-0.095 χ^2/NDF: 24235.0/56

- sign 782.686+/-0.135 χ^2/NDF: 10083.3/28


asym_us_avg_overload_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -178.457+/-441.218 χ²/NDF: 15.7/15
Left Out: -212.857+/-435.362 χ²/NDF:19.3/11
Right Out: 58.040+/-455.216 χ²/NDF: 15.3/17
Left In: -335.571+/-432.343 χ²/NDF:5.3/10
+ sign -195.886+/-309.897 χ²/NDF: 35.0/27
All: -172.665+/-220.389 χ²/NDF: 56.0/56
- sign -148.903+/-313.487 χ²/NDF: 21.0/28

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1313.291+/-0.308 χ^2/NDF:651618.1/11

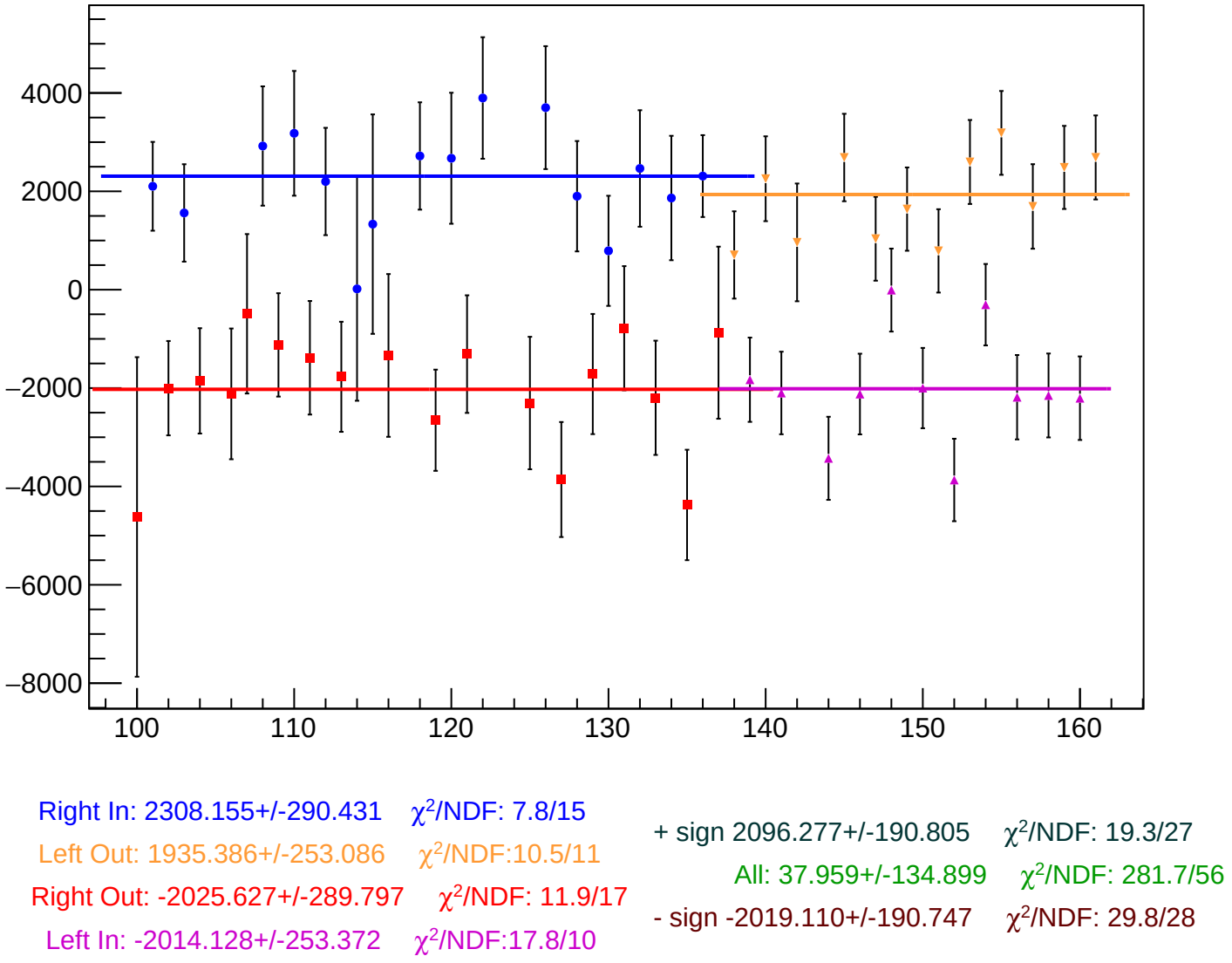
Right Out: 1212.347+/-0.322 χ^2/NDF: 397938.1/17

Left In: 1309.810+/-0.306 χ^2/NDF:609479.1/10

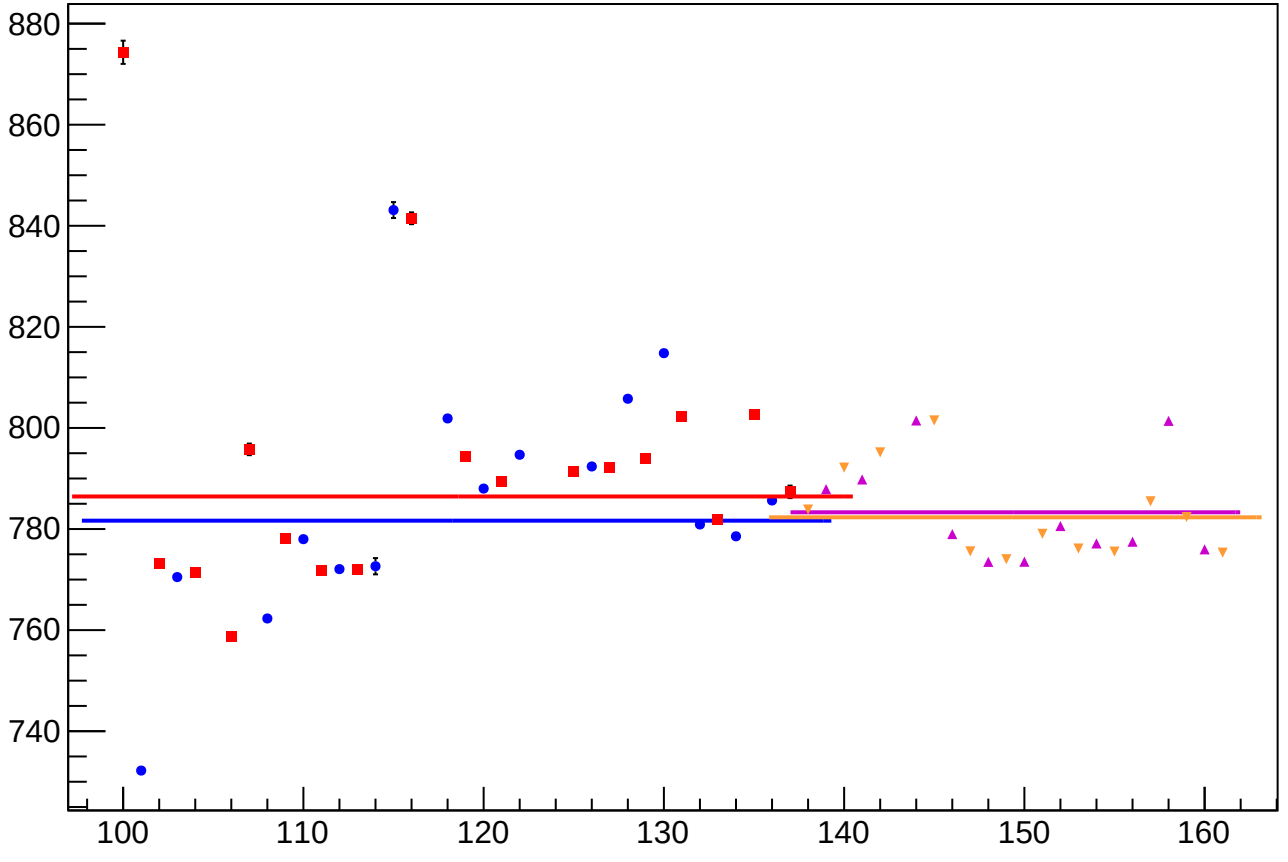
+ sign 1236.749+/-0.219 χ^2/NDF: 1346077.4/27

All: 1250.014+/-0.156 χ^2/NDF: 2409111.1/56

- sign 1263.588+/-0.222 χ^2/NDF: 1055618.9/28


eigen_cor_asym_us_avg_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 2308.155+/-290.431 χ²/NDF: 7.8/15
Left Out: 1935.386+/-253.086 χ²/NDF:10.5/11
Right Out: -2025.627+/-289.797 χ²/NDF: 11.9/17
Left In: -2014.128+/-253.372 χ²/NDF:17.8/10
+ sign 2096.277+/-190.805 χ²/NDF: 19.3/27
All: 37.959+/-134.899 χ²/NDF: 281.7/56
- sign -2019.110+/-190.747 χ²/NDF: 29.8/28

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 782.318+/-0.179 χ^2/NDF:2164.4/11

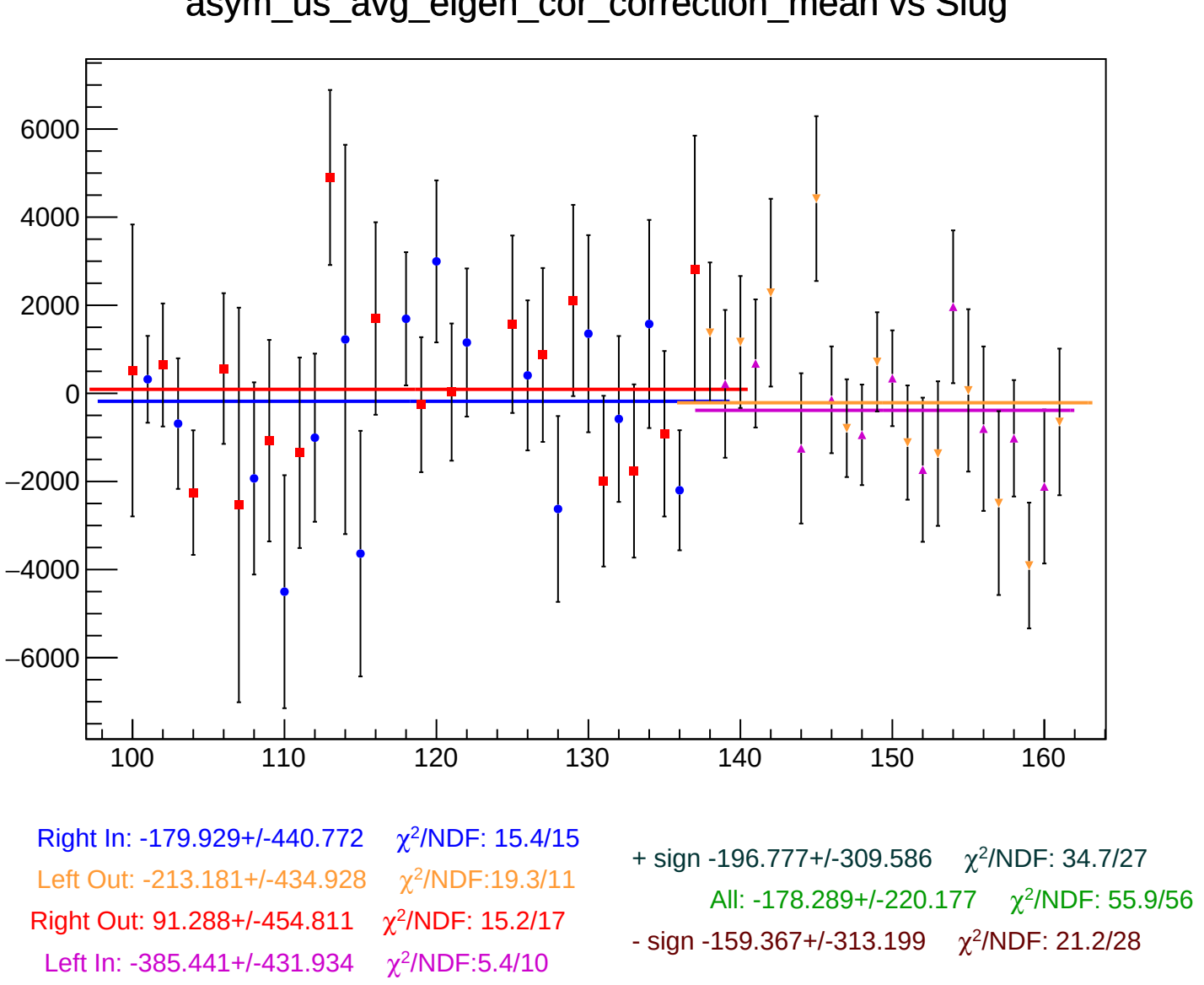
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 783.313+/-0.179 χ^2/NDF:2986.5/10

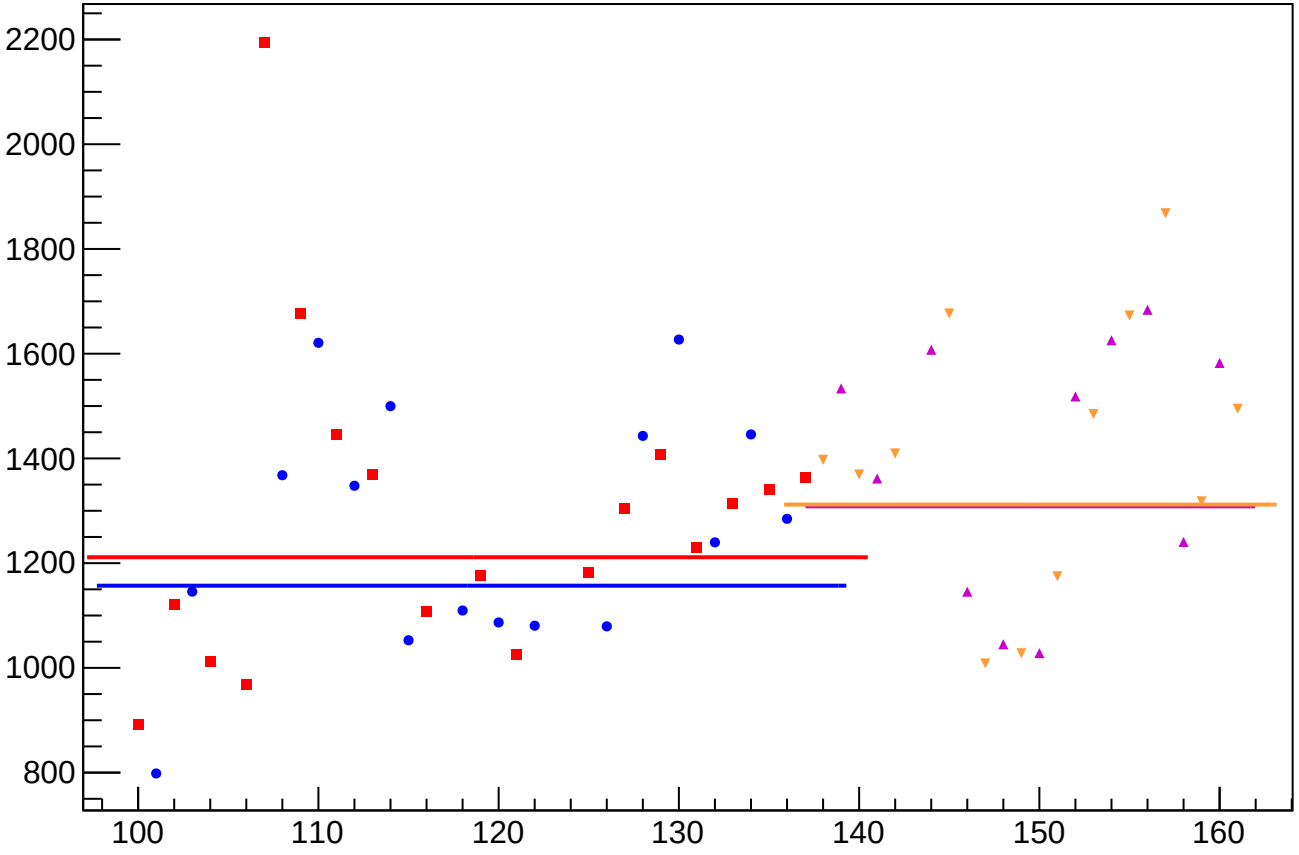
\+ sign 782.031+/-0.135 χ^2/NDF: 14489.4/27

All: 783.351+/-0.095 χ^2/NDF: 25000.9/56

\- sign 784.669+/-0.135 χ^2/NDF: 10320.4/28


asym_us_avg_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -213.181+/-434.928 χ²/NDF:19.3/11
Right Out: 91.288+/-454.811 χ²/NDF: 15.2/17
Left In: -385.441+/-431.934 χ²/NDF:5.4/10
+ sign -196.777+/-309.586 χ²/NDF: 34.7/27
All: -178.289+/-220.177 χ²/NDF: 55.9/56
- sign -159.367+/-313.199 χ²/NDF: 21.2/28

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1311.903+/-0.308 χ^2/NDF:653241.6/11

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

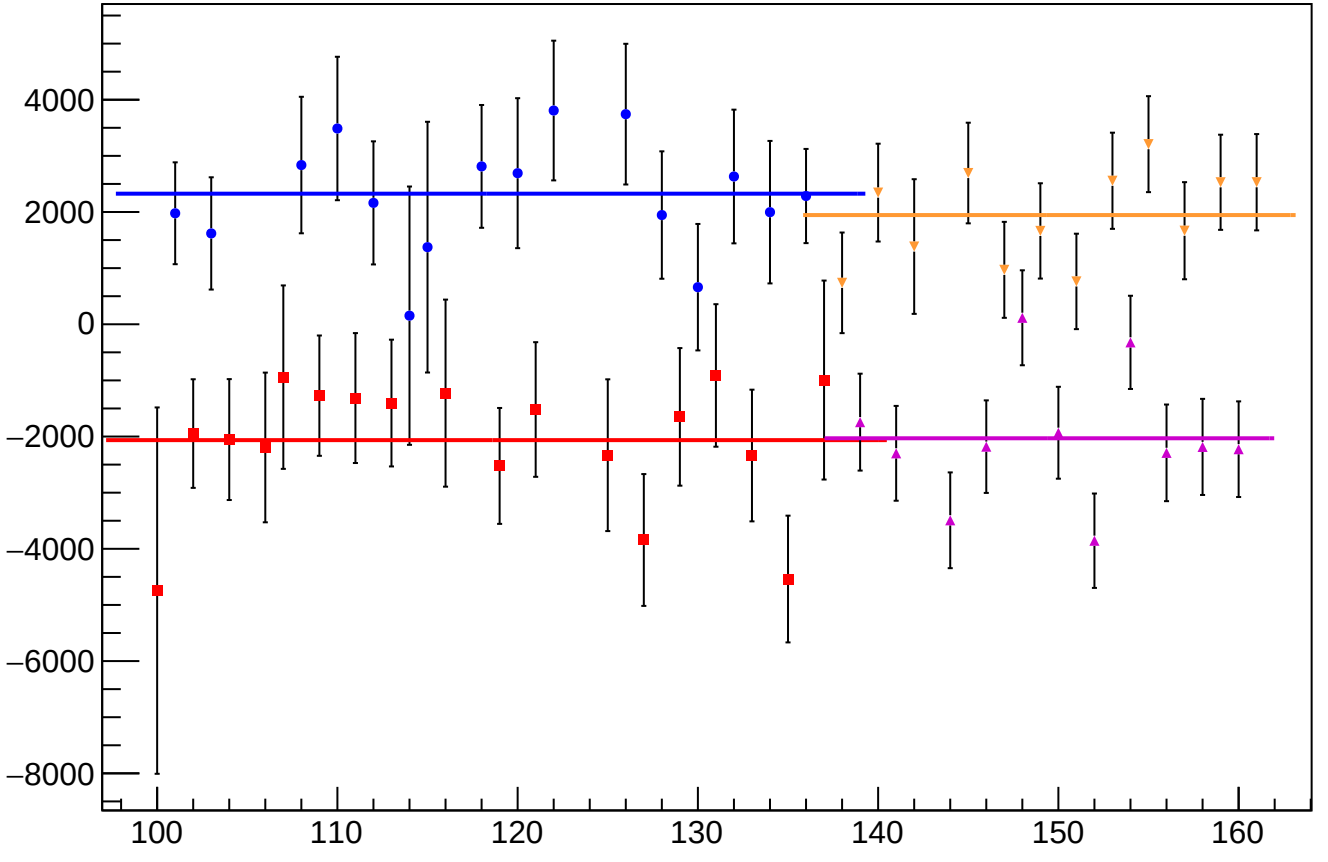
Left In: 1308.511+/-0.305 χ^2/NDF:610890.5/10

+ sign 1235.459+/-0.219 χ^2/NDF: 1347600.9/27

All: 1248.771+/-0.156 χ^2/NDF: 2411763.8/56

- sign 1262.395+/-0.221 χ^2/NDF: 1056681.0/28

dit_asym_us_avg_mean vs Slug



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

Left Out: 1945.468+/-254.326 χ^2/NDF:10.0/11

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

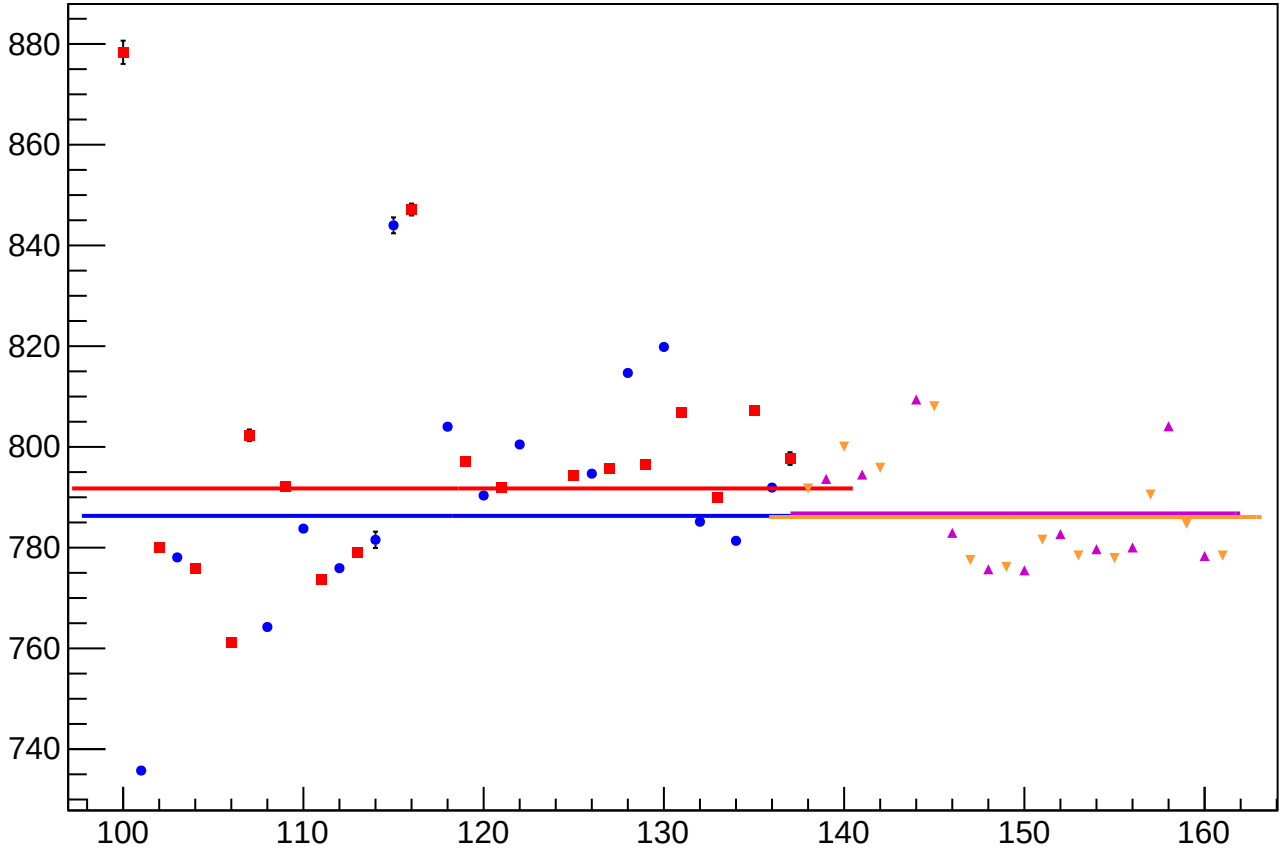
Left In: -2030.991+/-254.513 χ^2/NDF:18.8/10

+ sign 2109.690+/-191.831 χ^2/NDF: 19.1/27

All: 31.905+/-135.635 χ^2/NDF: 284.1/56

- sign -2045.243+/-191.802 χ^2/NDF: 30.4/28

dit_asym_us_avg_rms vs Slug



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

Left Out: 786.085+/-0.180 χ^2/NDF:3016.2/11

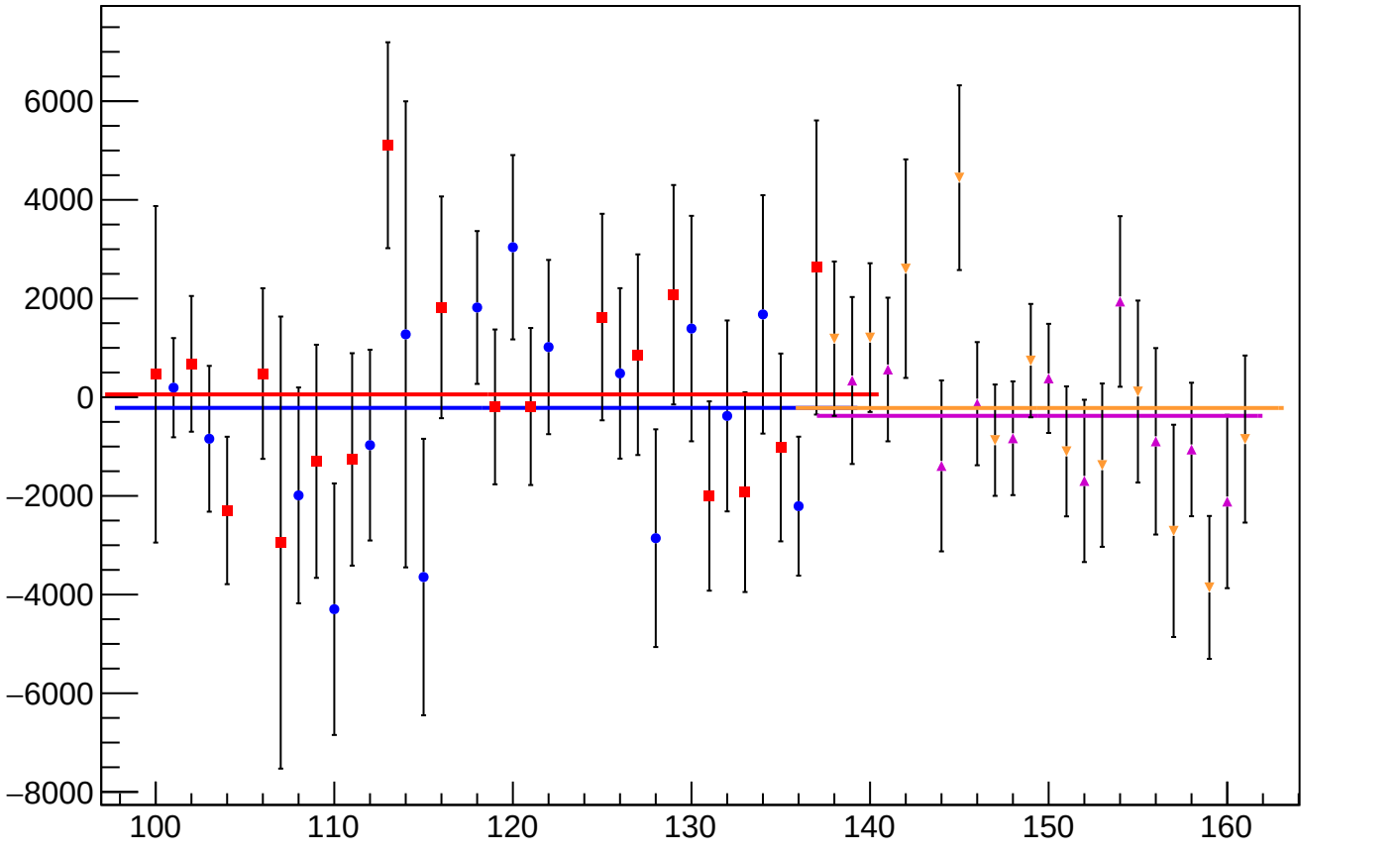
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 786.791+/-0.180 χ^2/NDF:3797.8/10

+ sign 786.182+/-0.136 χ^2/NDF: 15587.9/27

All: 787.559+/-0.096 χ^2/NDF: 26935.9/56

- sign 788.937+/-0.136 χ^2/NDF: 11141.7/28



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

Left Out: -218.432+/-440.315 χ^2/NDF:19.3/11

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

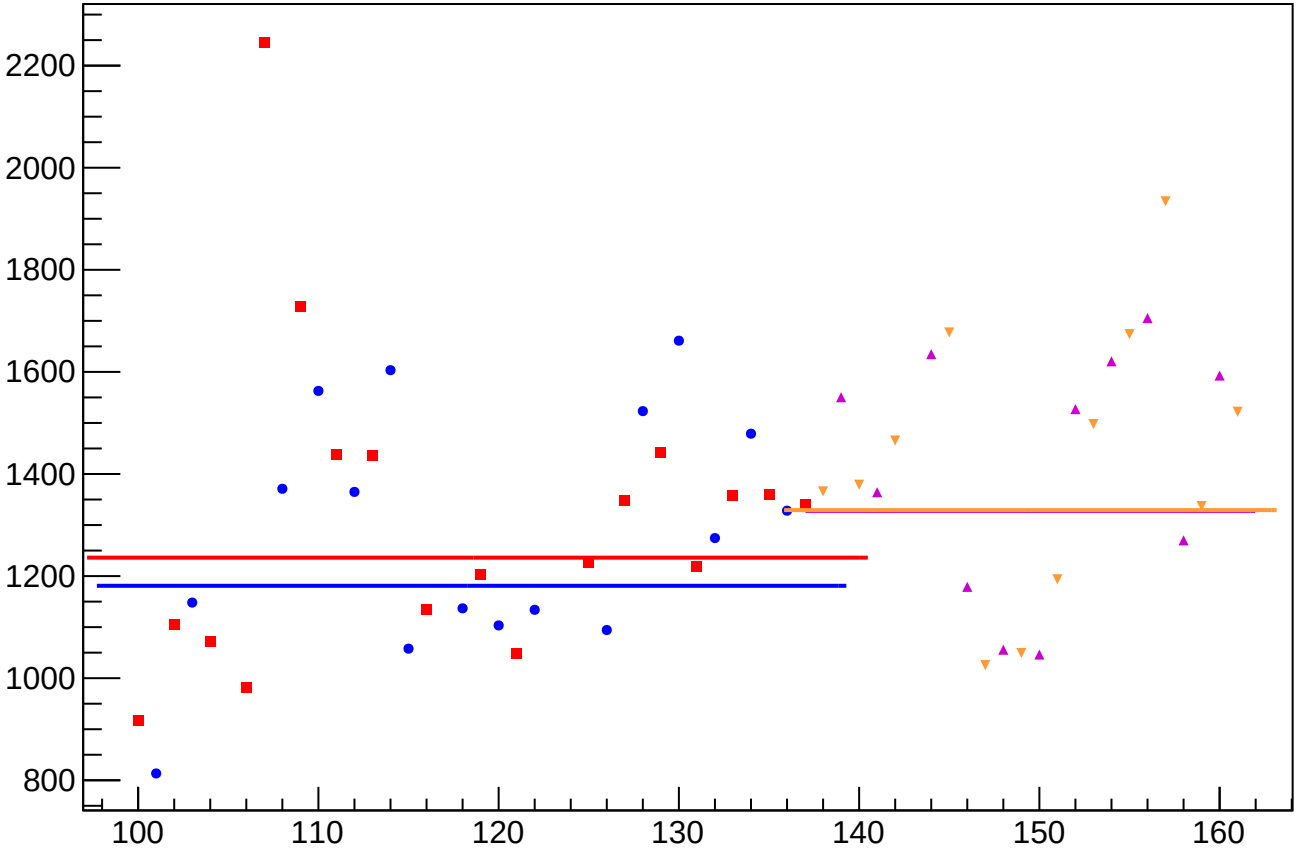
Left In: -377.581+/-437.648 χ^2/NDF:5.4/10

+ sign -217.331+/-314.560 χ^2/NDF: 34.6/27

All: -195.468+/-223.761 χ^2/NDF: 55.6/56

- sign -173.072+/-318.366 χ^2/NDF: 20.9/28

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1329.263+/-0.311 χ^2/NDF:639443.1/11

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

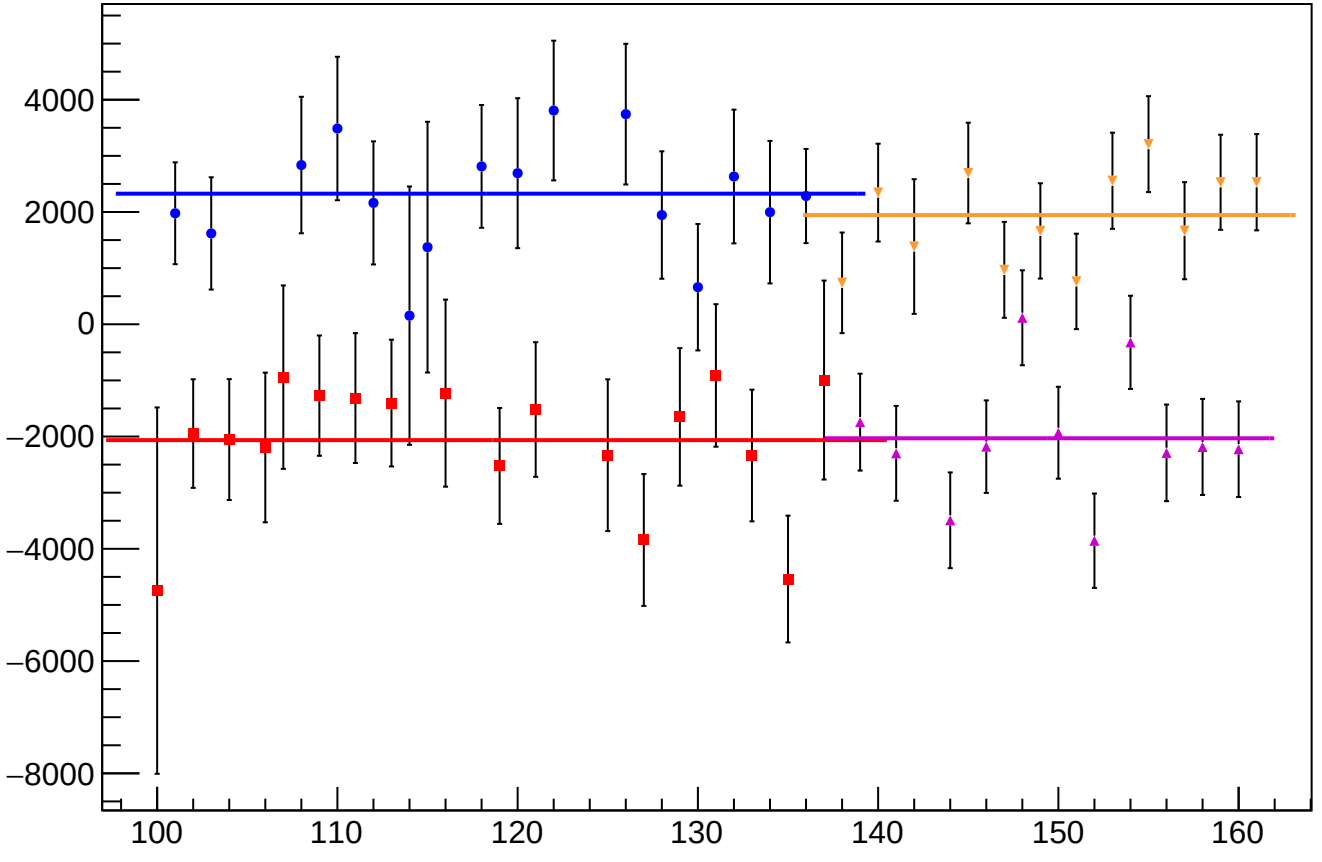
Left In: 1327.566+/-0.309 χ^2/NDF:583921.1/10

+ sign 1256.667+/-0.222 χ^2/NDF: 1321584.5/27

All: 1270.425+/-0.158 χ^2/NDF: 2351592.4/56

- sign 1284.518+/-0.225 χ^2/NDF: 1022262.7/28

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1945.464+/-254.326 χ^2/NDF:10.0/11

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

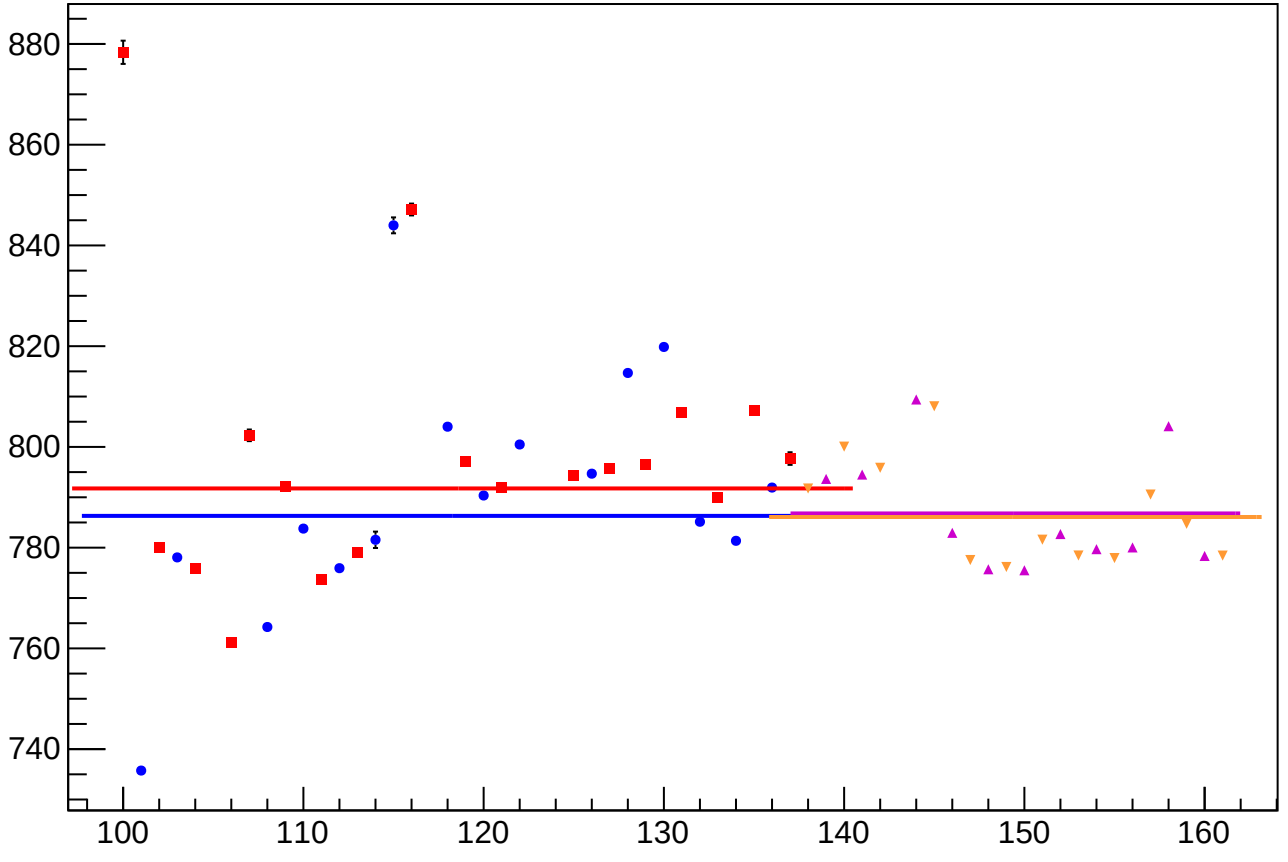
Left In: -2030.993+/-254.513 χ^2/NDF:18.8/10

+ sign 2109.688+/-191.831 χ^2/NDF: 19.1/27

All: 31.904+/-135.635 χ^2/NDF: 284.1/56

- sign -2045.244+/-191.802 χ^2/NDF: 30.4/28

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 786.085+/-0.180 χ^2/NDF:3016.2/11

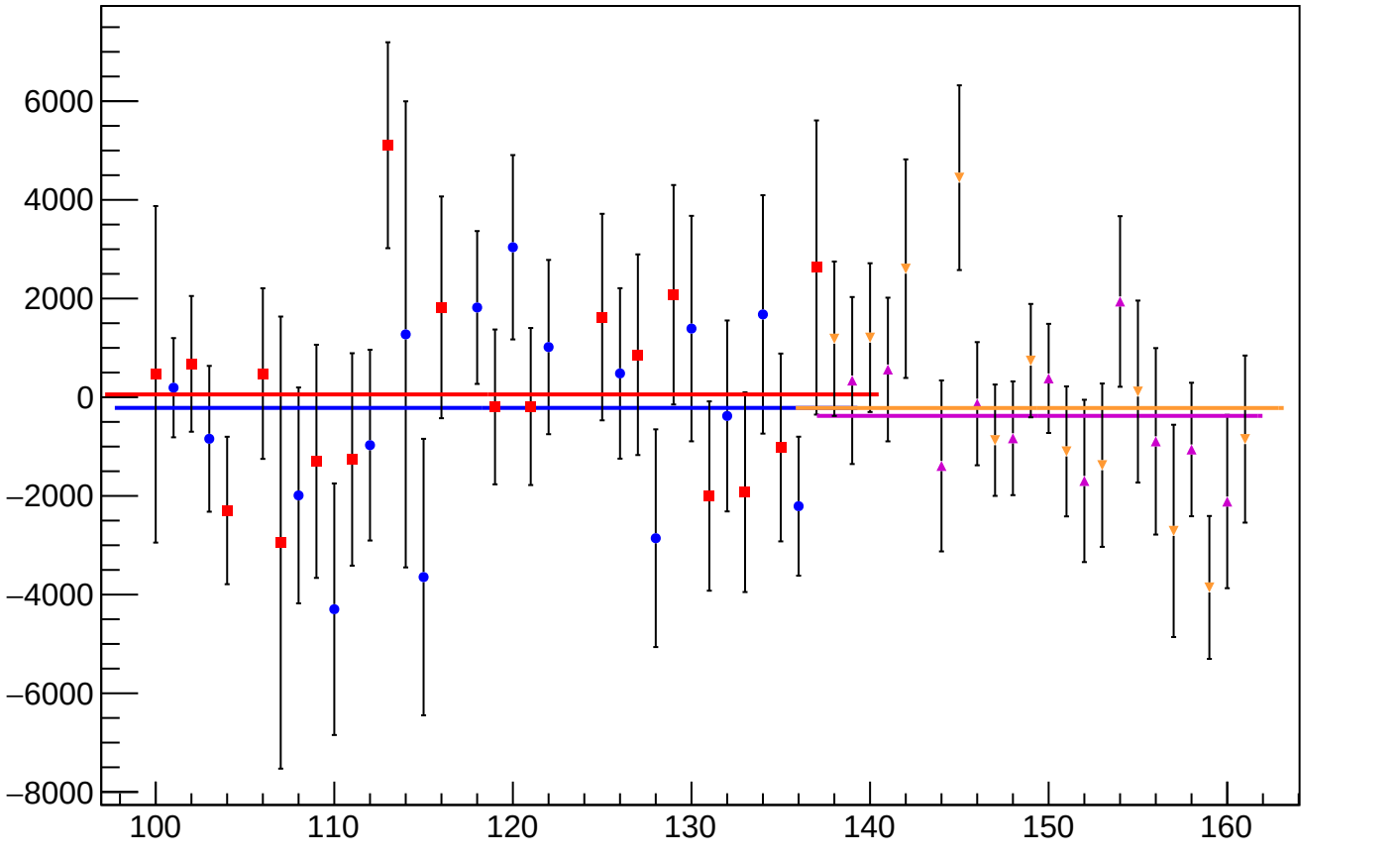
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 786.791+/-0.180 χ^2/NDF:3797.8/10

\+ sign 786.182+/-0.136 χ^2/NDF: 15587.9/27

All: 787.559+/-0.096 χ^2/NDF: 26935.8/56

\- sign 788.937+/-0.136 χ^2/NDF: 11141.7/28



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

Left Out: -218.436+/-440.316 χ^2/NDF:19.3/11

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

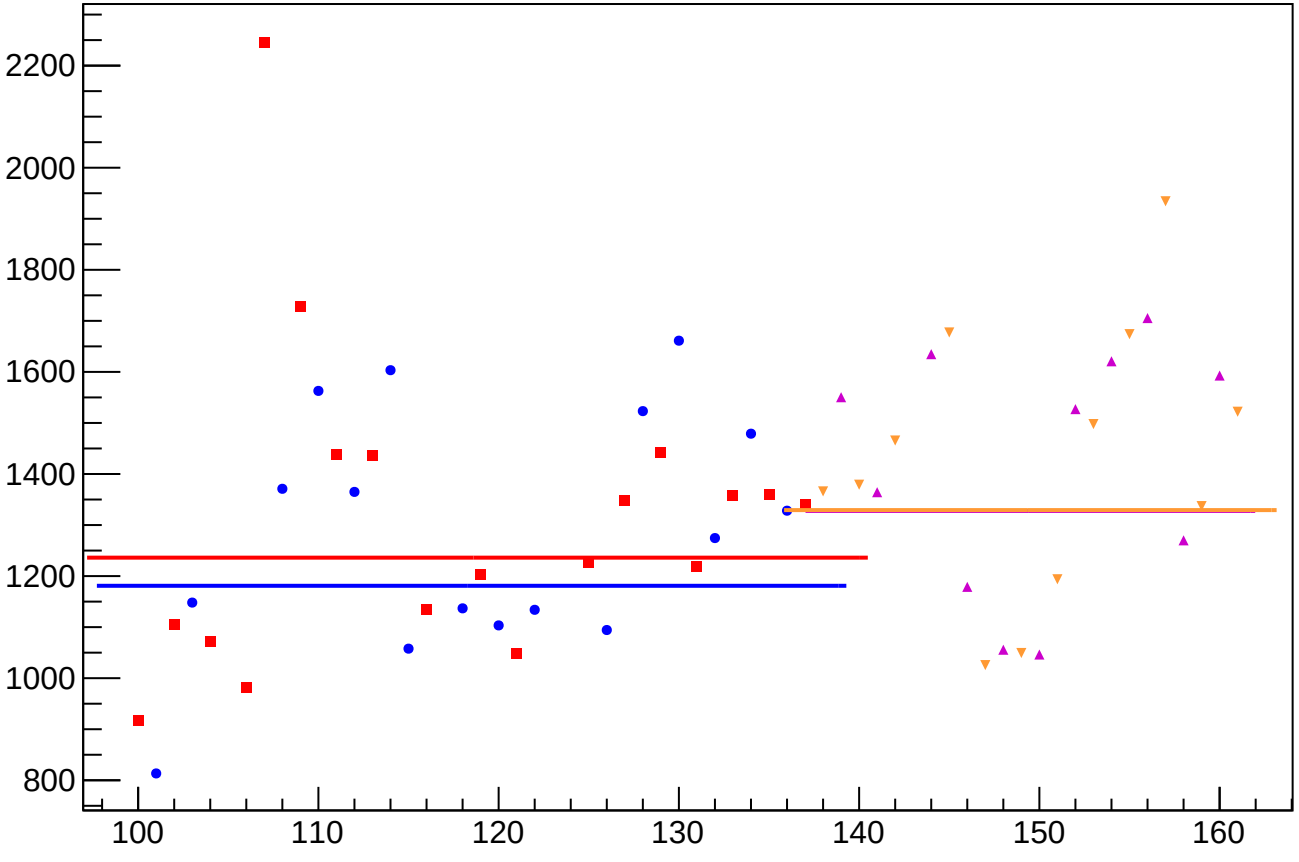
Left In: -377.583+/-437.649 χ^2/NDF:5.4/10

\+ sign -217.333+/-314.559 χ^2/NDF: 34.6/27

All: -195.469+/-223.761 χ^2/NDF: 55.6/56

\- sign -173.072+/-318.365 χ^2/NDF: 20.9/28

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1329.265+/-0.311 χ^2/NDF:639445.4/11

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

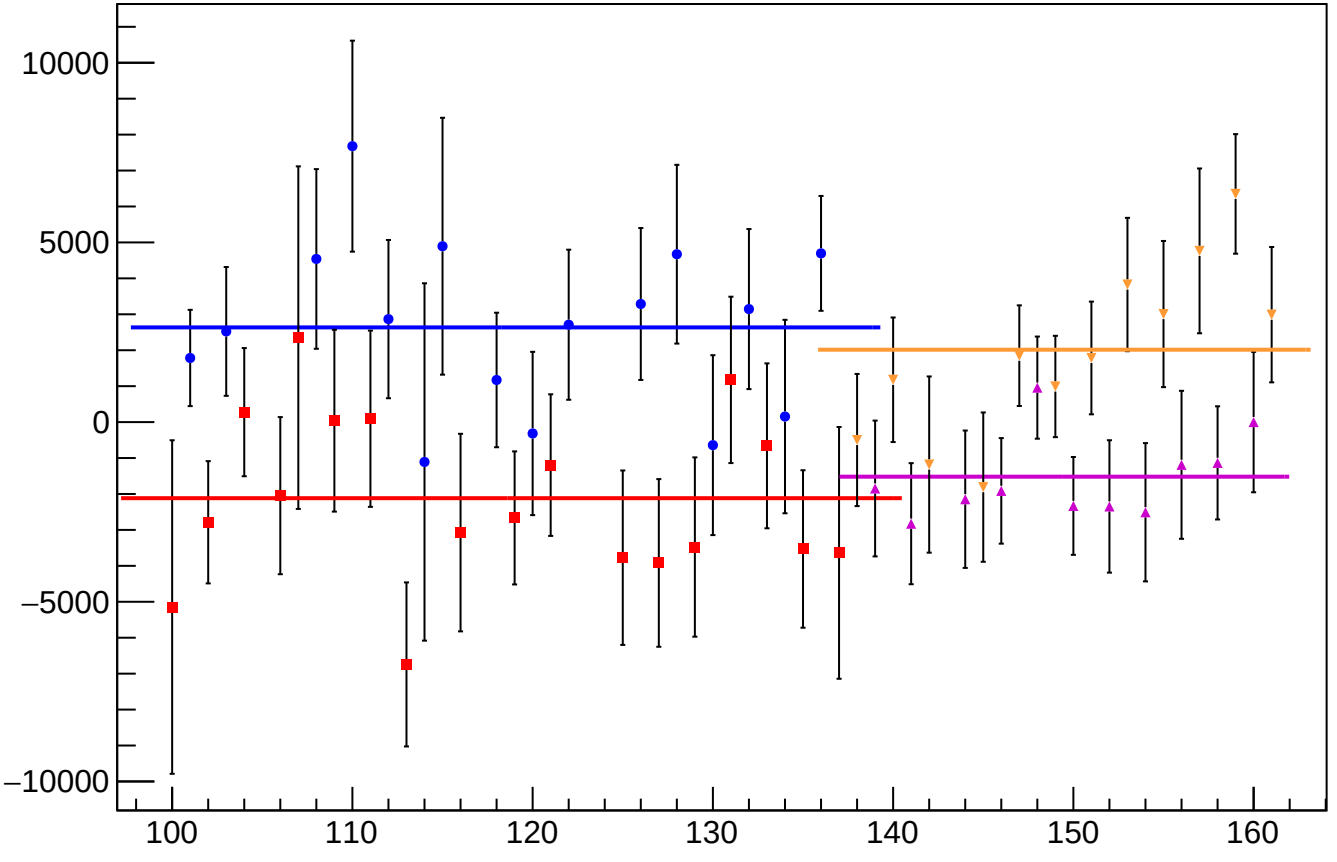
Left In: 1327.569+/-0.309 χ^2/NDF:583922.2/10

+ sign 1256.666+/-0.222 χ^2/NDF: 1321592.9/27

All: 1270.424+/-0.158 χ^2/NDF: 2351605.8/56

- sign 1284.518+/-0.225 χ^2/NDF: 1022267.5/28

asym_us_avg_mean vs Slug



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

Left Out: 2014.441+/-512.194 χ^2/NDF:17.4/11

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

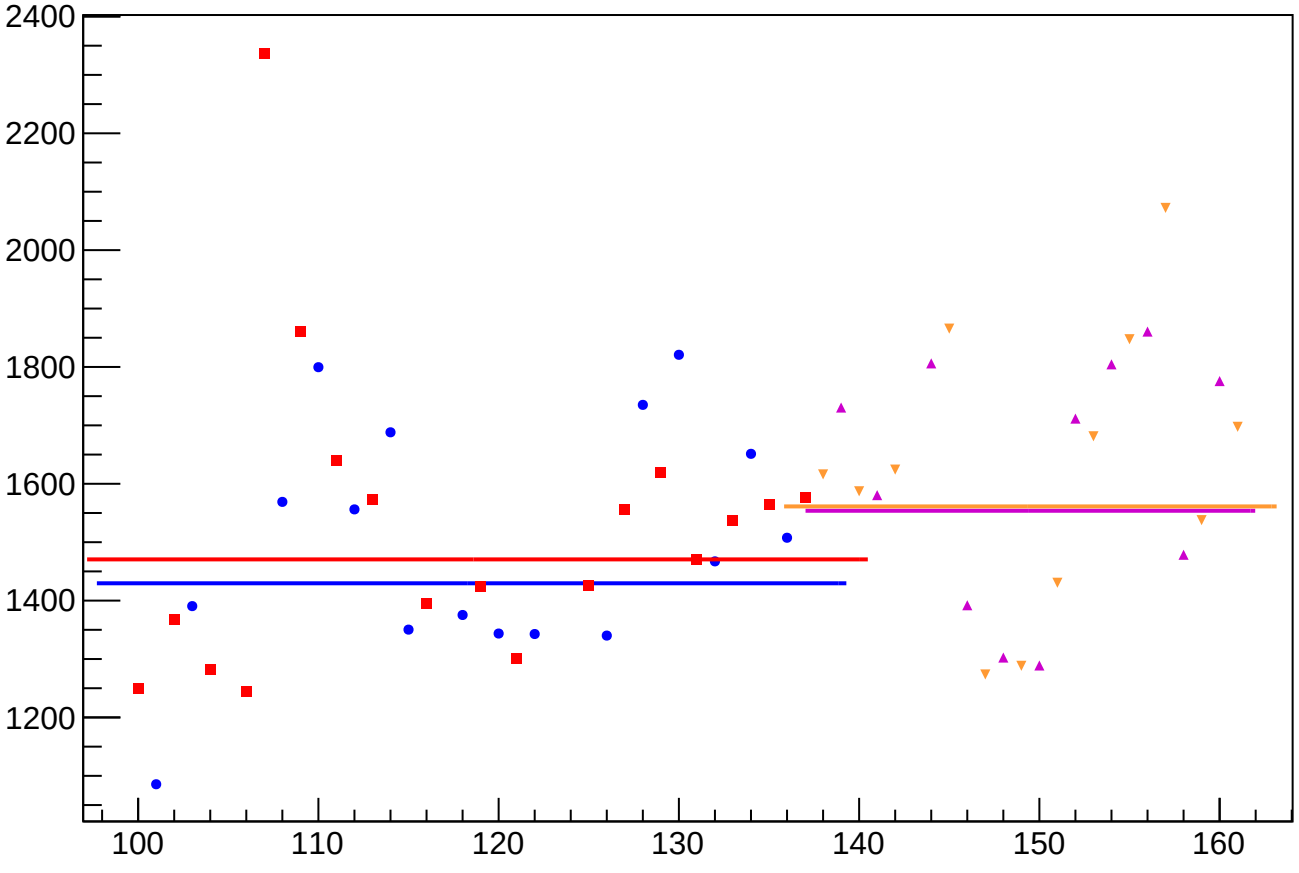
Left In: -1518.844+/-508.321 χ^2/NDF:5.4/10

+ sign 2309.650+/-370.975 χ^2/NDF: 30.4/27

All: 265.402+/-262.861 χ^2/NDF: 111.1/56

- sign -1795.840+/-372.513 χ^2/NDF: 19.7/28

asym_us_avg_rms vs Slug



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

Left Out: 1561.246+/-0.362 χ^2/NDF:377805.1/11

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

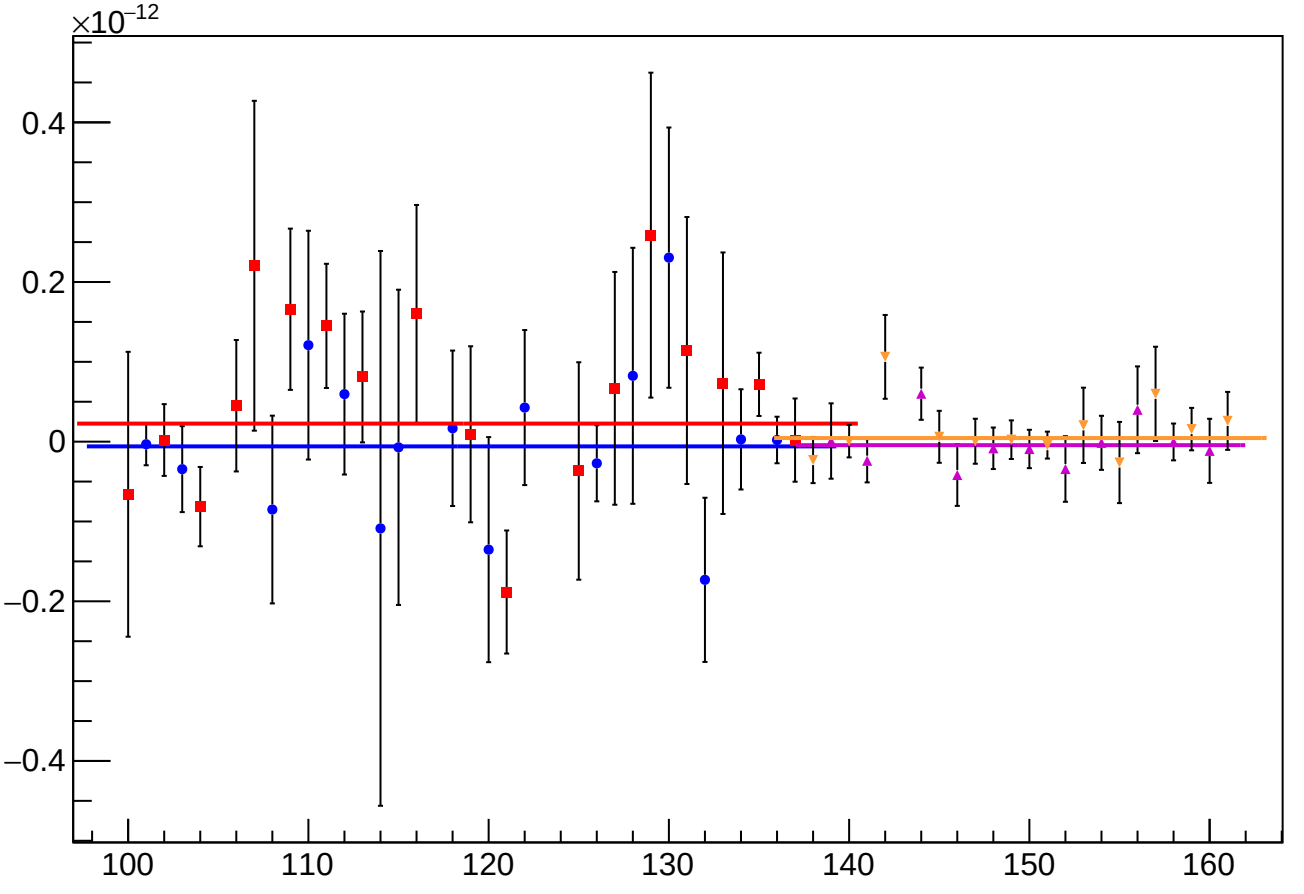
Left In: 1553.828+/-0.359 χ^2/NDF:338716.8/10

+ sign 1498.686+/-0.262 χ^2/NDF: 733954.5/27

All: 1506.949+/-0.186 χ^2/NDF: 1317574.0/56

- sign 1515.280+/-0.263 χ^2/NDF: 581626.8/28

asym_us_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/11

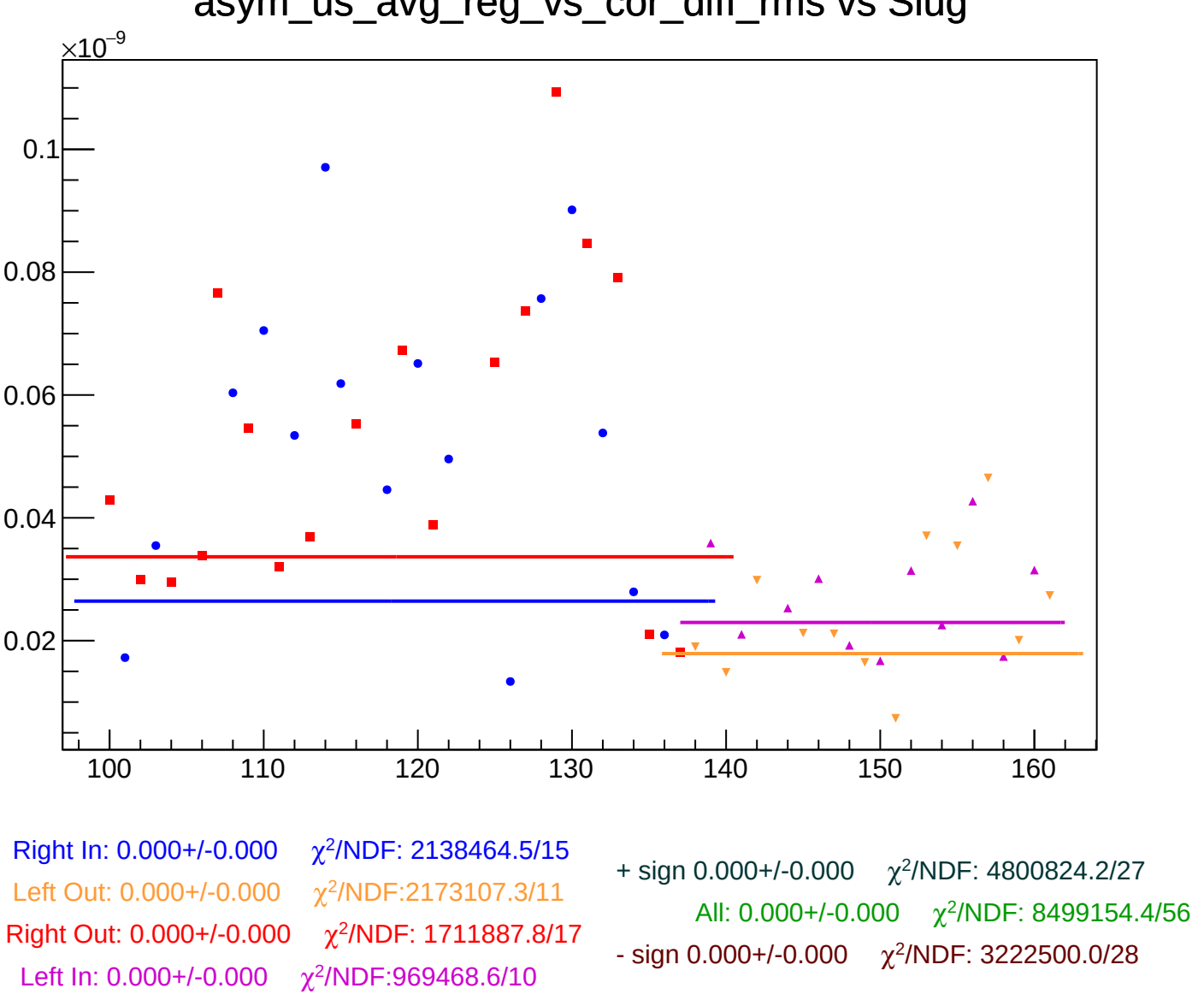
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

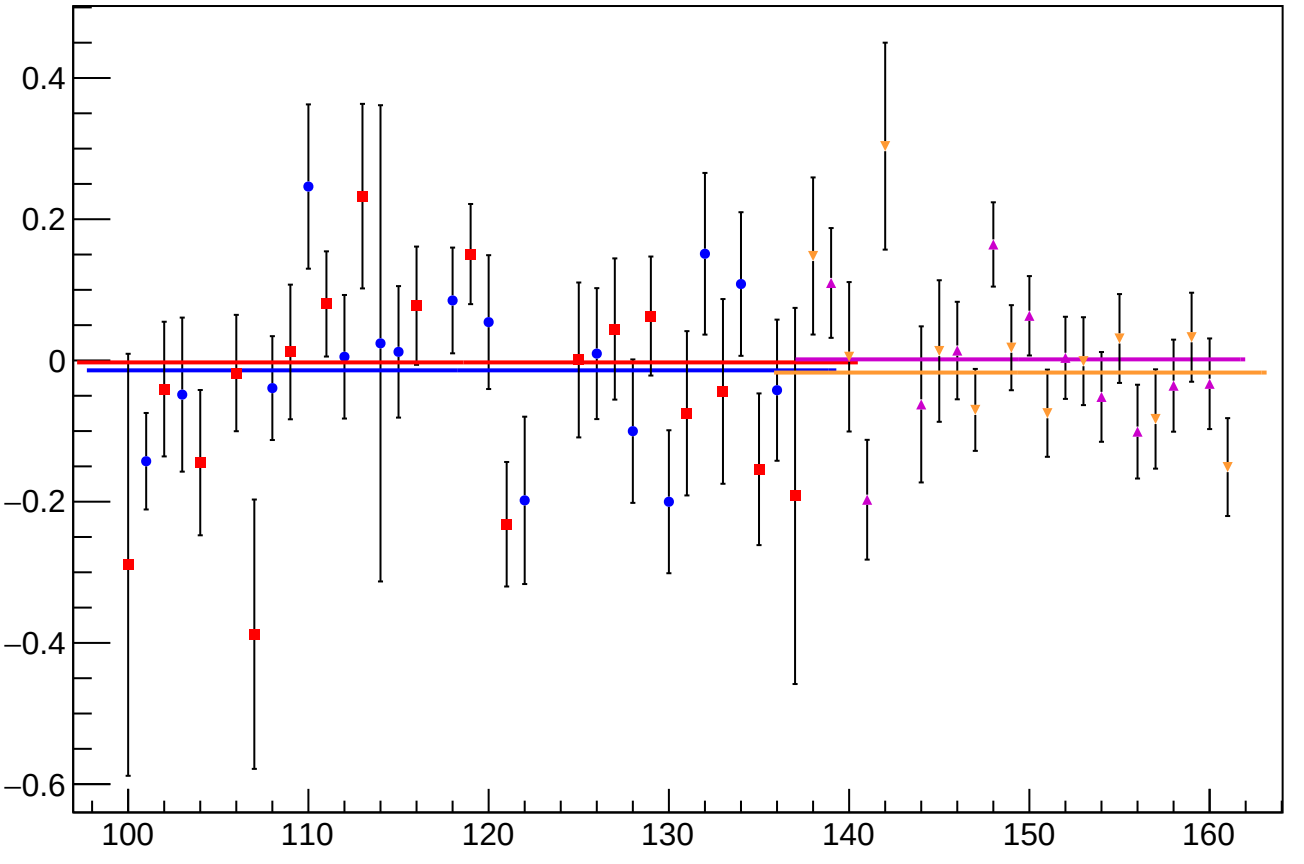
Left In: -0.000+/-0.000 χ^2/NDF:6.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 15.8/27

All: 0.000+/-0.000 χ^2/NDF: 47.2/56

- sign 0.000+/-0.000 χ^2/NDF: 31.5/28


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
Right In: 0.000+/-0.000 χ²/NDF: 2138464.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2173107.3/11
Right Out: 0.000+/-0.000 χ²/NDF: 1711887.8/17
Left In: 0.000+/-0.000 χ²/NDF:969468.6/10
+ sign 0.000+/-0.000 χ²/NDF: 4800824.2/27
All: 0.000+/-0.000 χ²/NDF: 8499154.4/56
- sign 0.000+/-0.000 χ²/NDF: 3222500.0/28



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

Left Out: -0.017+/-0.021 χ^2/NDF:15.1/11

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

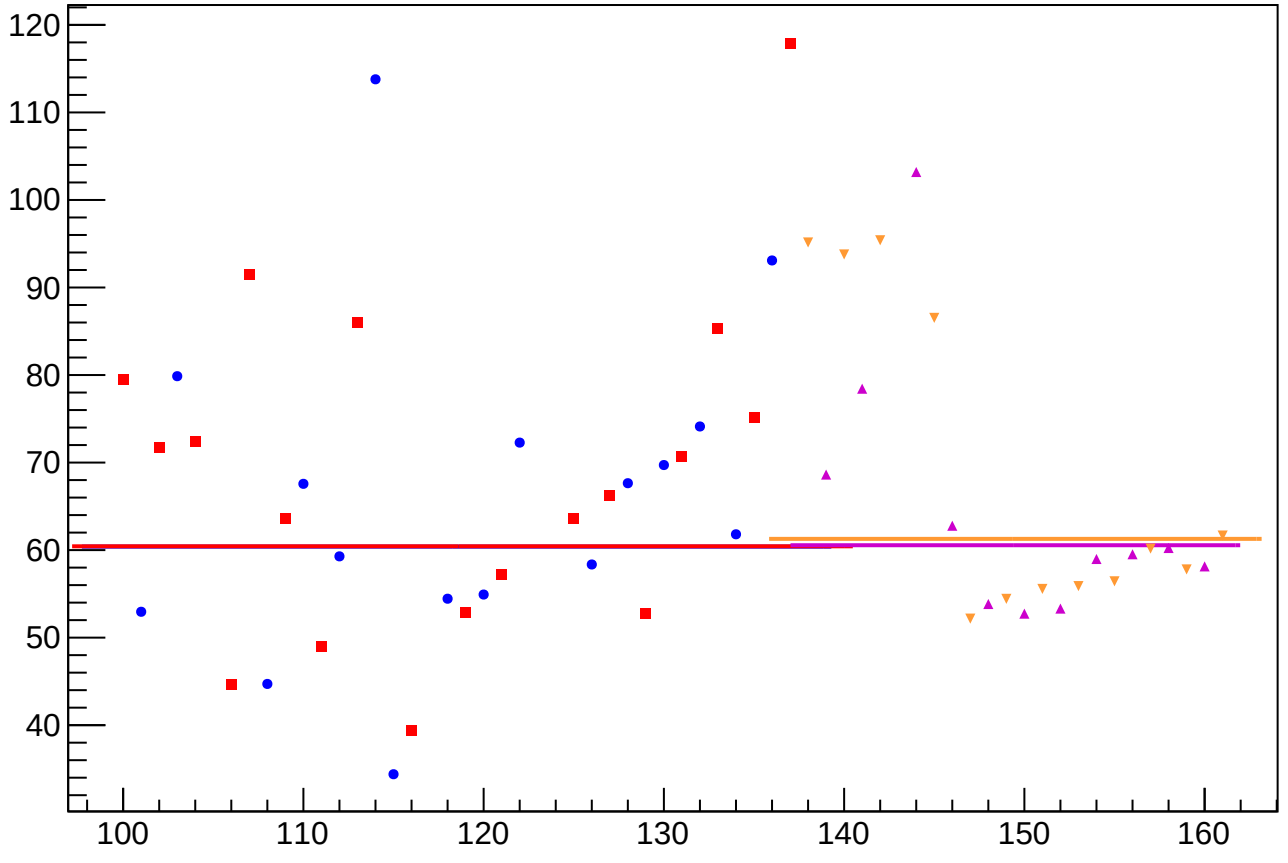
Left In: 0.002+/-0.020 χ^2/NDF:20.1/10

+ sign -0.016+/-0.016 χ^2/NDF: 36.4/27

All: -0.008+/-0.011 χ^2/NDF: 84.8/56

- sign -0.000+/-0.015 χ^2/NDF: 47.9/28

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 61.284+/-0.015 χ^2/NDF:735064.0/11

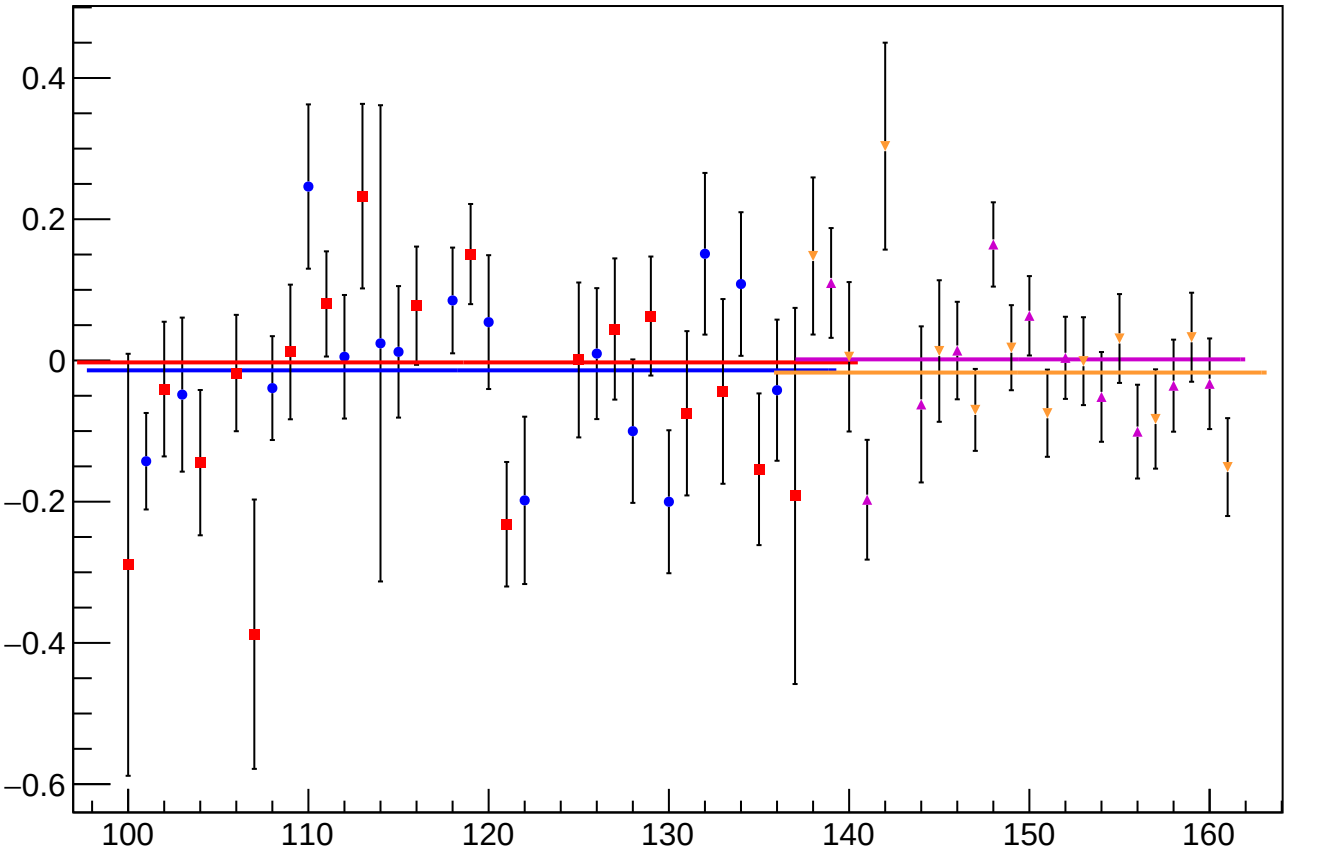
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 60.557+/-0.014 χ^2/NDF:509687.5/10

+ sign 60.903+/-0.011 χ^2/NDF: 1439786.3/27

All: 60.701+/-0.008 χ^2/NDF: 2661253.8/56

- sign 60.505+/-0.011 χ^2/NDF: 1220811.7/28



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

Left Out: -0.017+/-0.021 χ^2/NDF:15.1/11

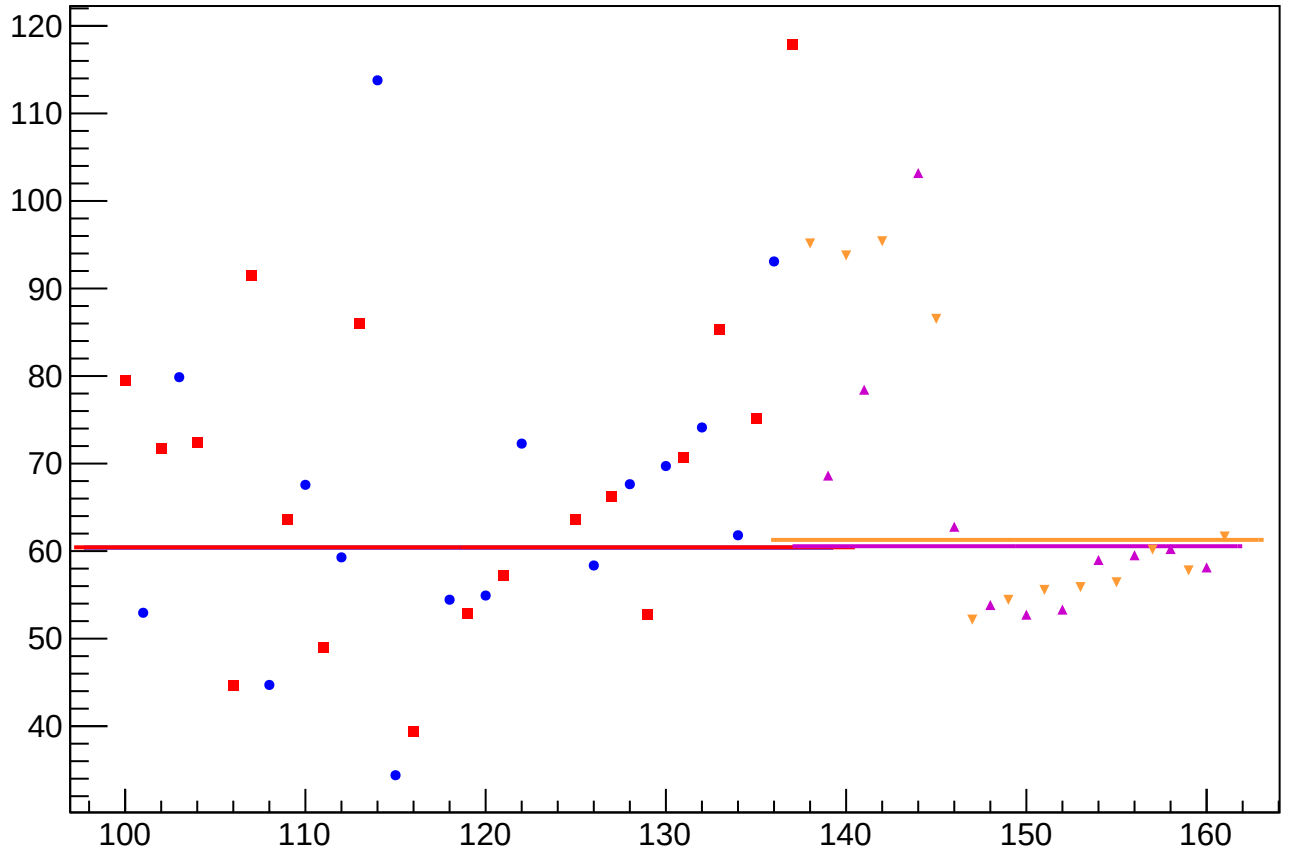
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.002+/-0.020 χ^2/NDF:20.1/10

+ sign -0.016+/-0.016 χ^2/NDF: 36.4/27

All: -0.008+/-0.011 χ^2/NDF: 84.8/56

- sign -0.000+/-0.015 χ^2/NDF: 47.9/28



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

Left Out: 61.284+/-0.015 χ^2/NDF:735064.0/11

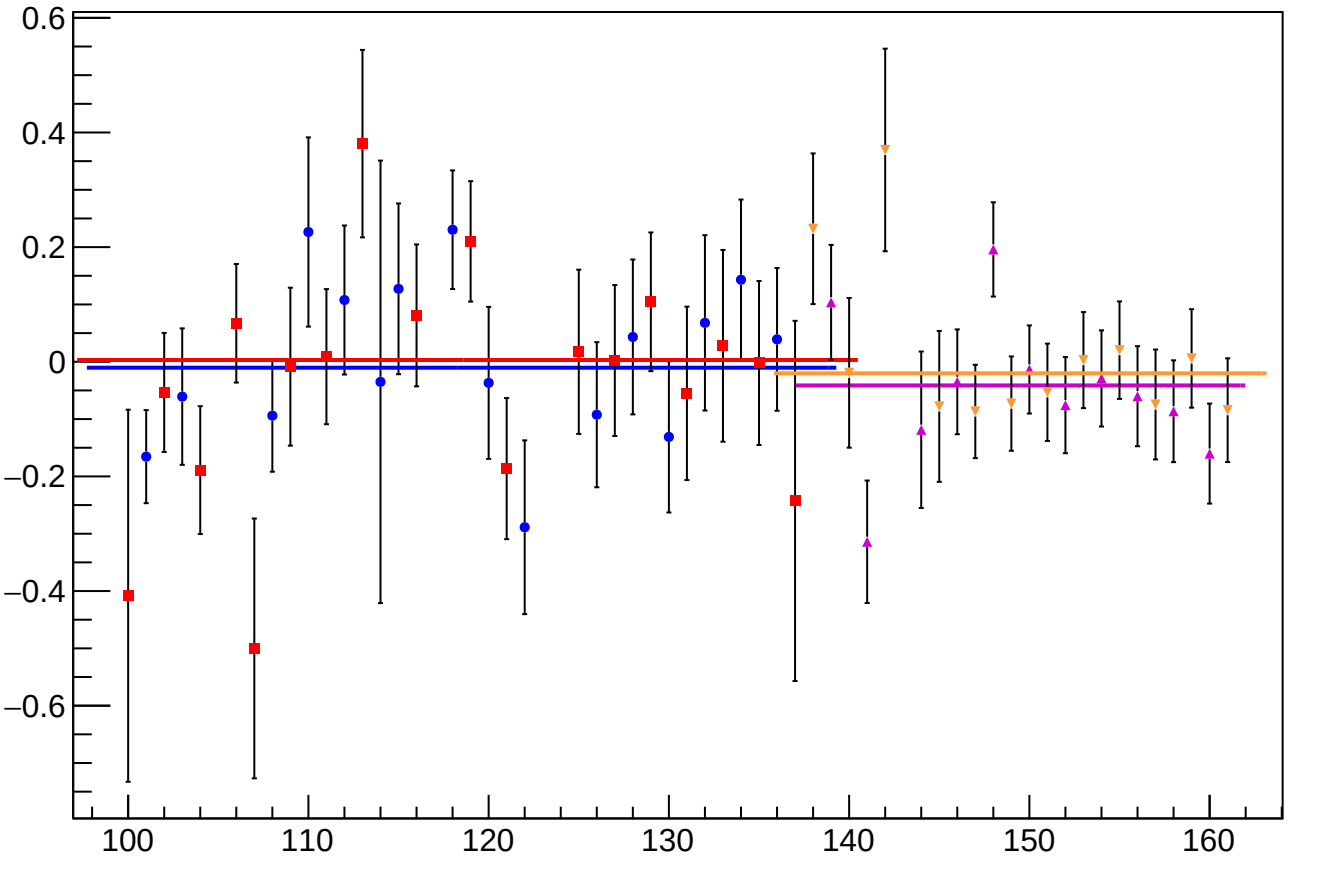
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 60.557+/-0.014 χ^2/NDF:509687.5/10

+ sign 60.903+/-0.011 χ^2/NDF: 1439786.3/27

All: 60.701+/-0.008 χ^2/NDF: 2661253.8/56

- sign 60.505+/-0.011 χ^2/NDF: 1220811.7/28



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

Left Out: -0.020+/-0.028 χ^2/NDF:11.2/11

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

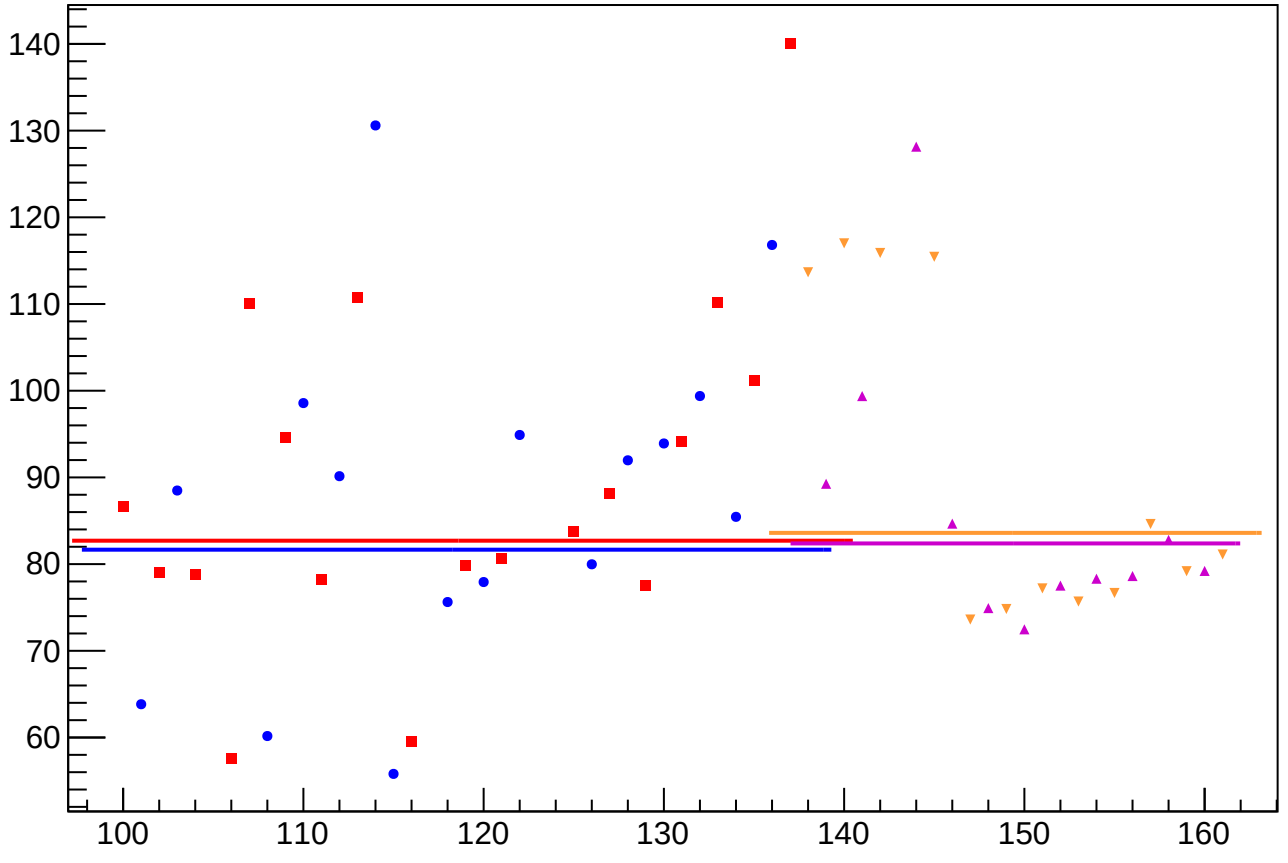
Left In: -0.041+/-0.027 χ^2/NDF:19.8/10

+ sign -0.016+/-0.021 χ^2/NDF: 31.4/27

All: -0.019+/-0.015 χ^2/NDF: 76.0/56

- sign -0.022+/-0.021 χ^2/NDF: 44.5/28

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 83.603+/-0.020 χ^2/NDF:521728.0/11

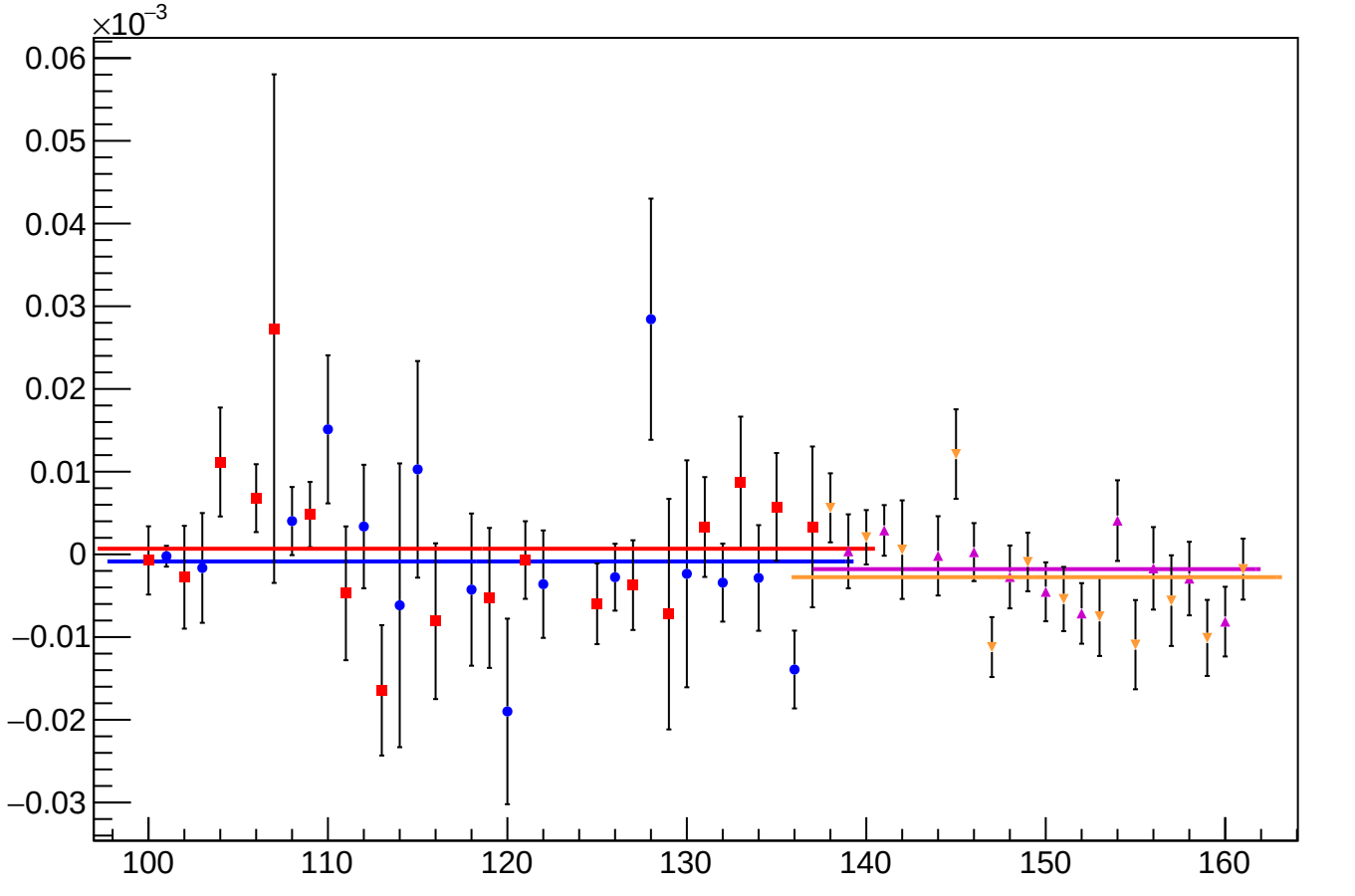
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 82.385+/-0.019 χ^2/NDF:353752.5/10

+ sign 82.756+/-0.015 χ^2/NDF: 1087817.9/27

All: 82.636+/-0.010 χ^2/NDF: 1914880.8/56

- sign 82.519+/-0.015 χ^2/NDF: 826932.7/28



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

Left Out: -0.000+/-0.000 χ^2/NDF:26.4/11

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

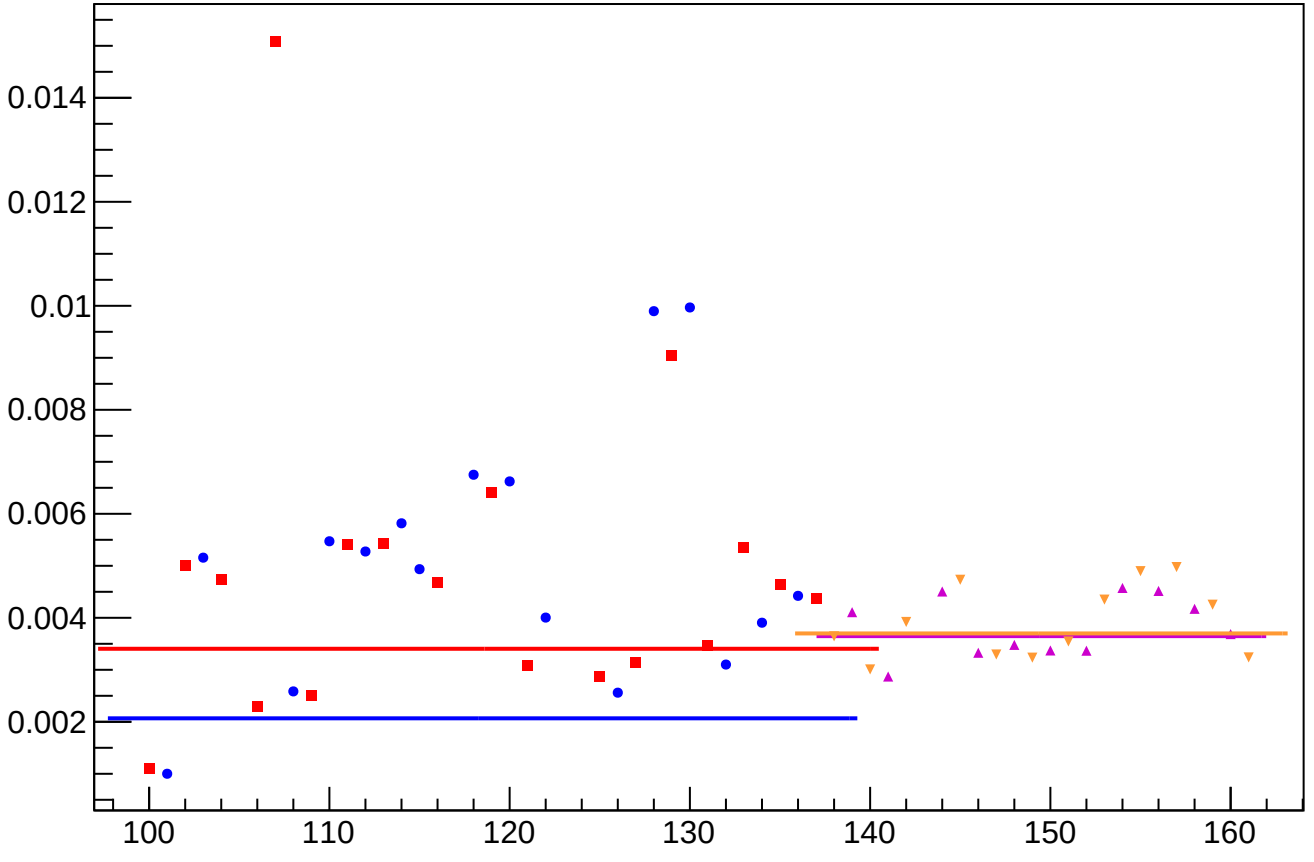
Left In: -0.000+/-0.000 χ^2/NDF:9.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 49.1/27

All: -0.000+/-0.000 χ^2/NDF: 79.3/56

- sign -0.000+/-0.000 χ^2/NDF: 29.7/28

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: 0.004+/-0.000 χ^2/NDF:531315.9/11

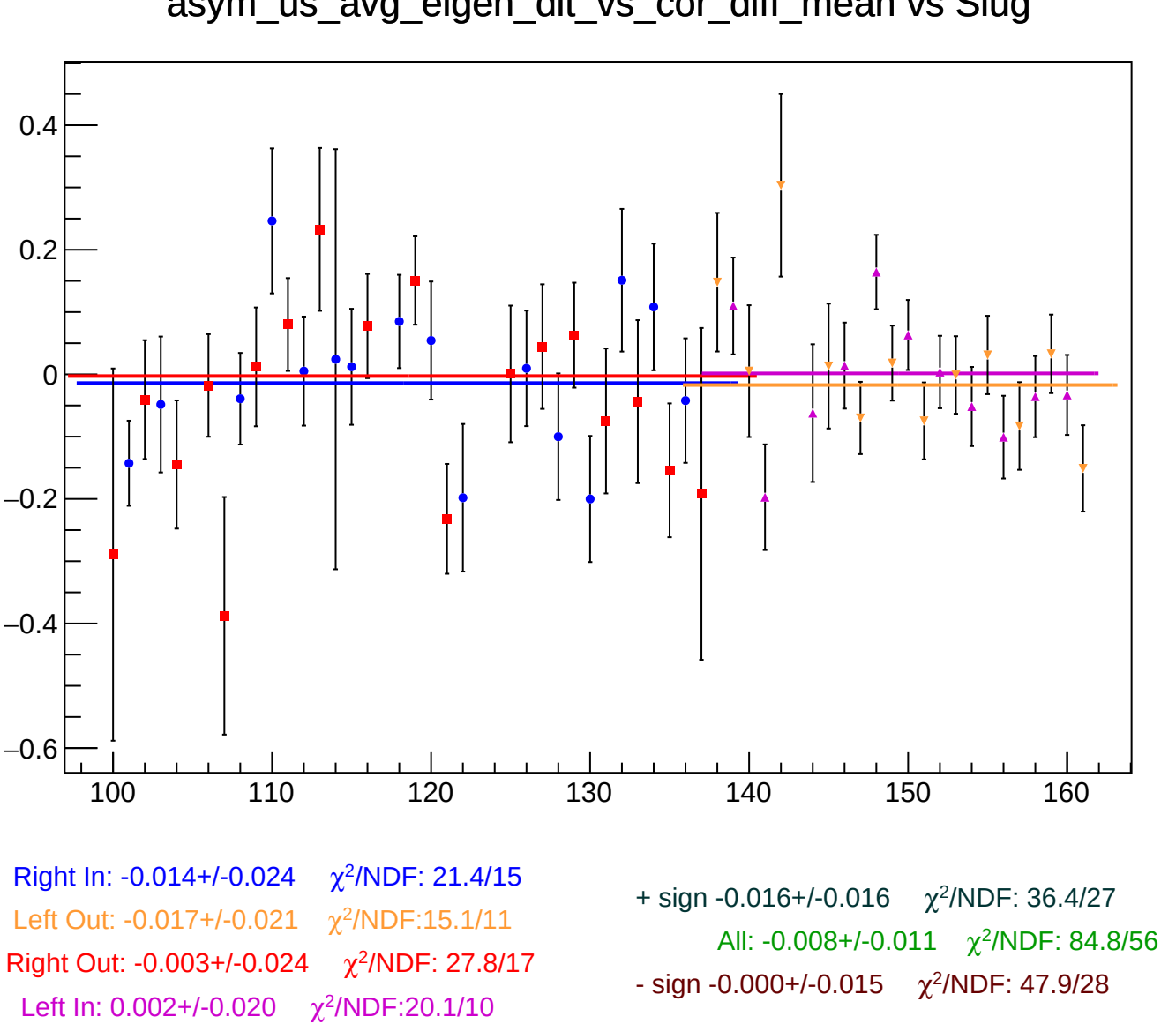
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

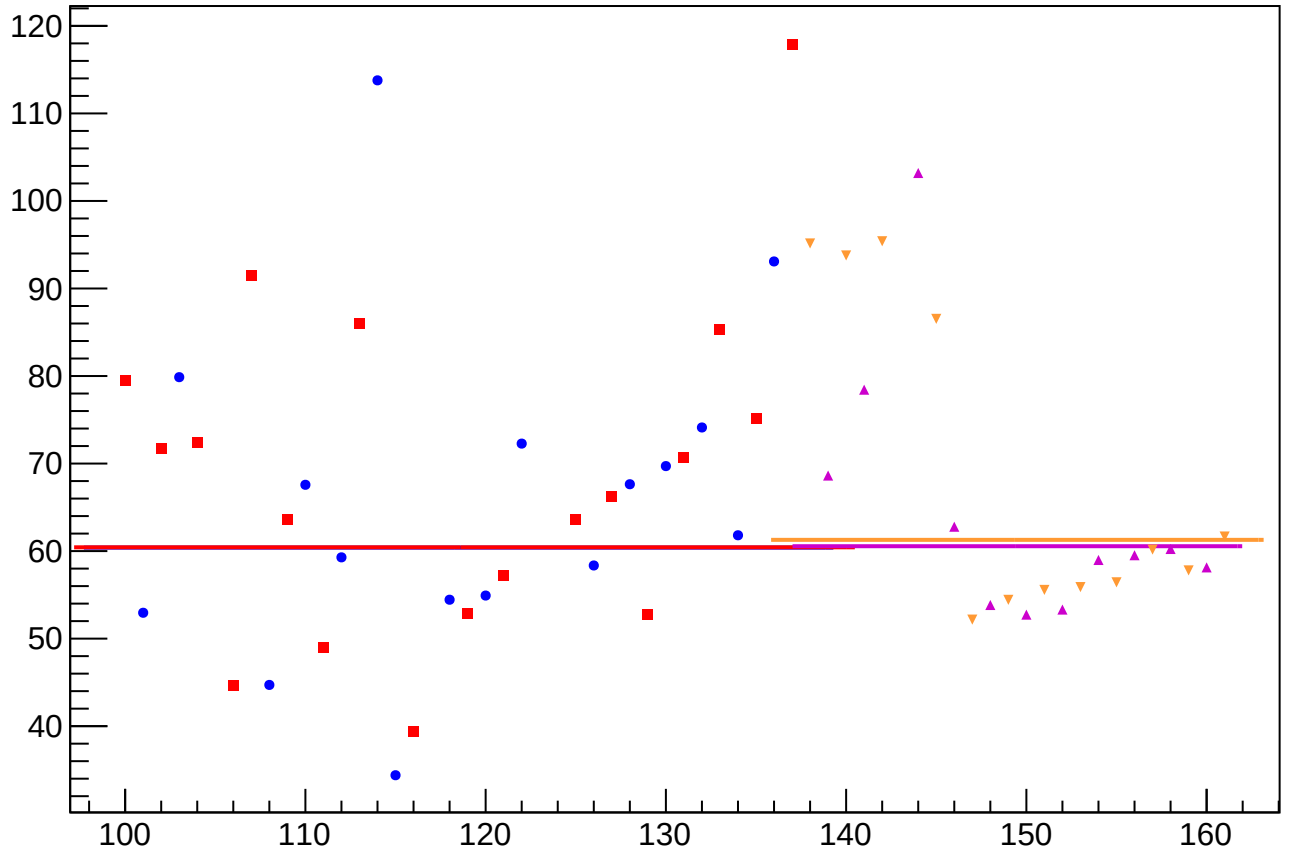
Left In: 0.004+/-0.000 χ^2/NDF:419458.0/10

\+ sign 0.003+/-0.000 χ^2/NDF: 8462714.1/27

All: 0.003+/-0.000 χ^2/NDF: 12335714.9/56

\- sign 0.004+/-0.000 χ^2/NDF: 2944812.4/28


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.017+/-0.021 χ²/NDF:15.1/11
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: 0.002+/-0.020 χ²/NDF:20.1/10
+ sign -0.016+/-0.016 χ²/NDF: 36.4/27
All: -0.008+/-0.011 χ²/NDF: 84.8/56
- sign -0.000+/-0.015 χ²/NDF: 47.9/28



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

Left Out: 61.284+/-0.015 χ^2/NDF:735056.8/11

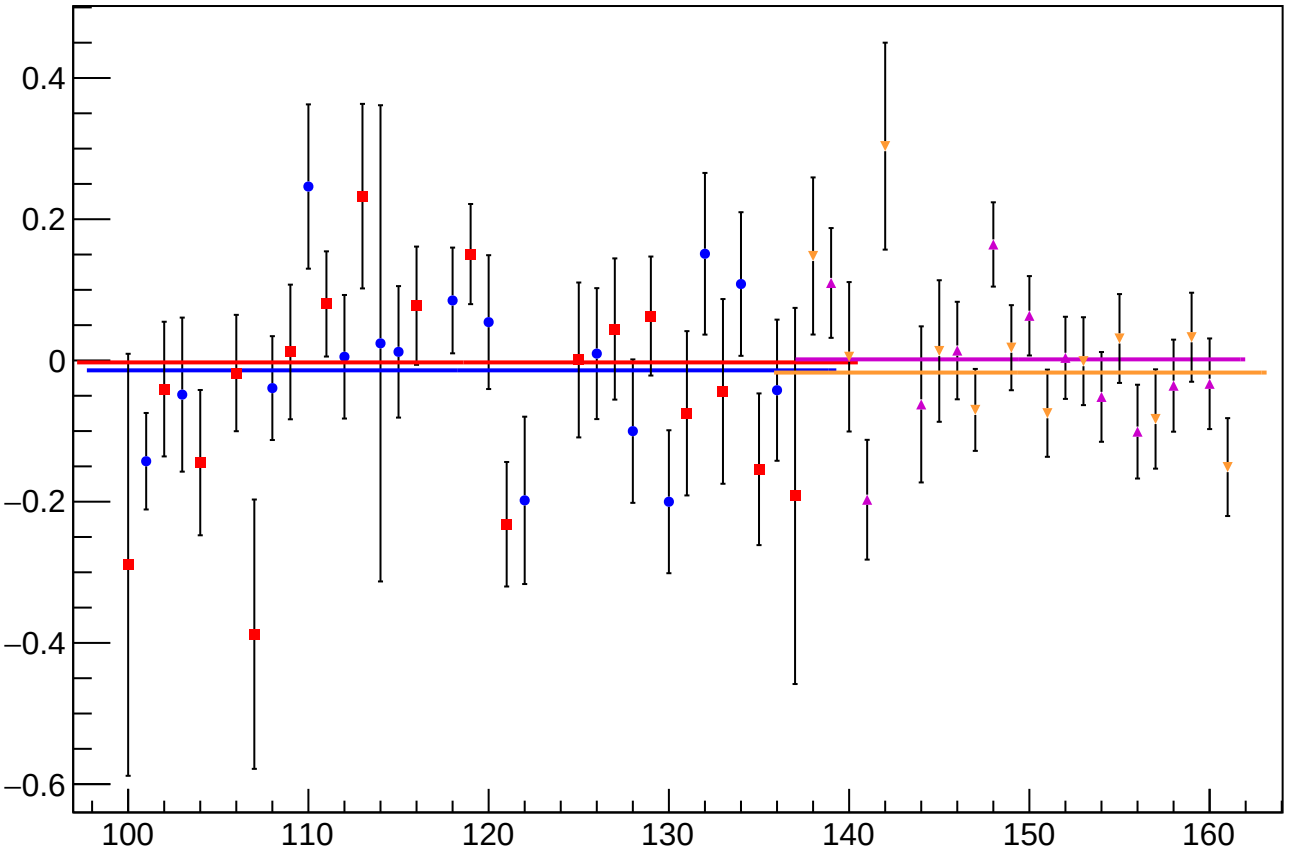
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 60.557+/-0.014 χ^2/NDF:509683.9/10

+ sign 60.903+/-0.011 χ^2/NDF: 1439797.4/27

All: 60.701+/-0.008 χ^2/NDF: 2661291.9/56

- sign 60.505+/-0.011 χ^2/NDF: 1220838.1/28



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

Left Out: -0.017+/-0.021 χ^2/NDF:15.1/11

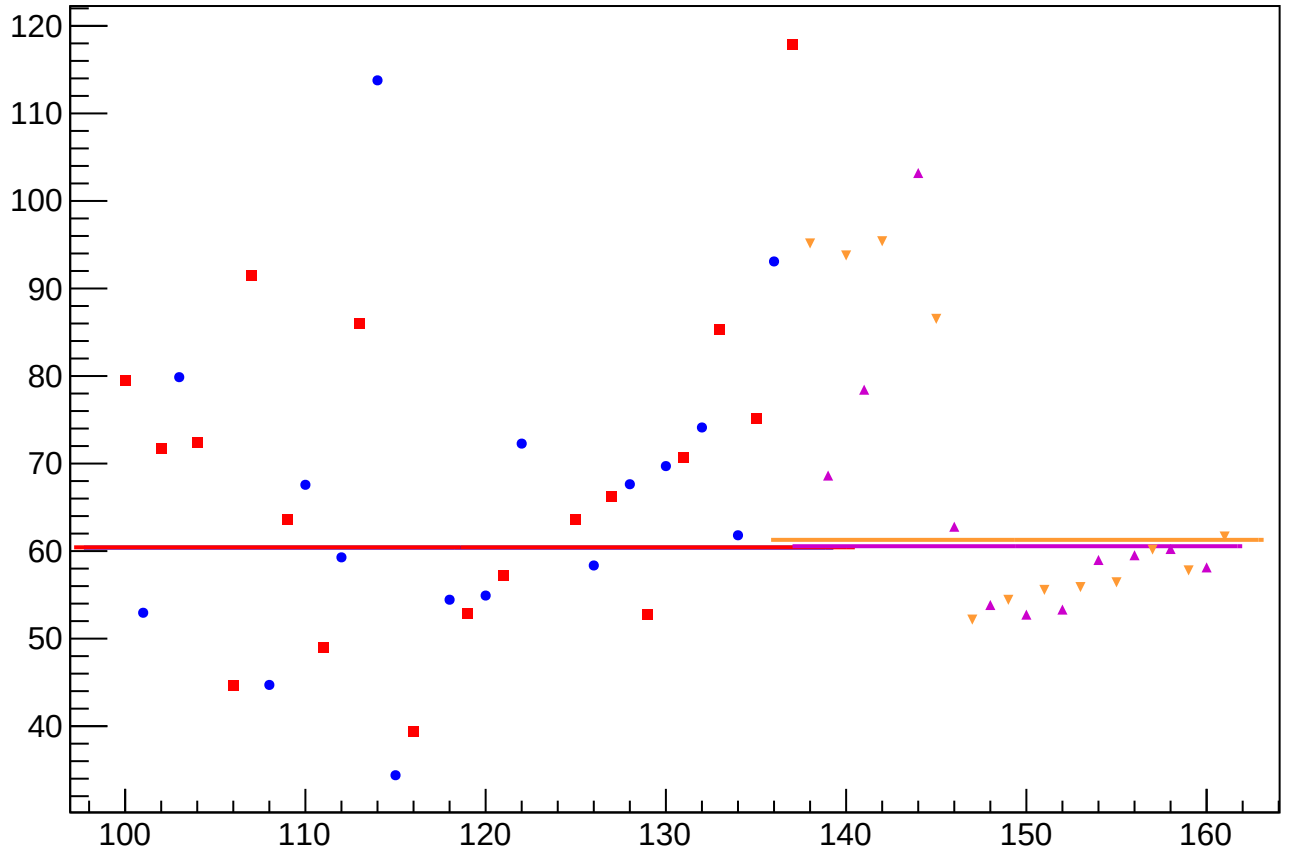
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.002+/-0.020 χ^2/NDF:20.1/10

+ sign -0.016+/-0.016 χ^2/NDF: 36.4/27

All: -0.008+/-0.011 χ^2/NDF: 84.8/56

- sign -0.000+/-0.015 χ^2/NDF: 47.9/28



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

Left Out: 61.284+/-0.015 χ^2/NDF:735056.8/11

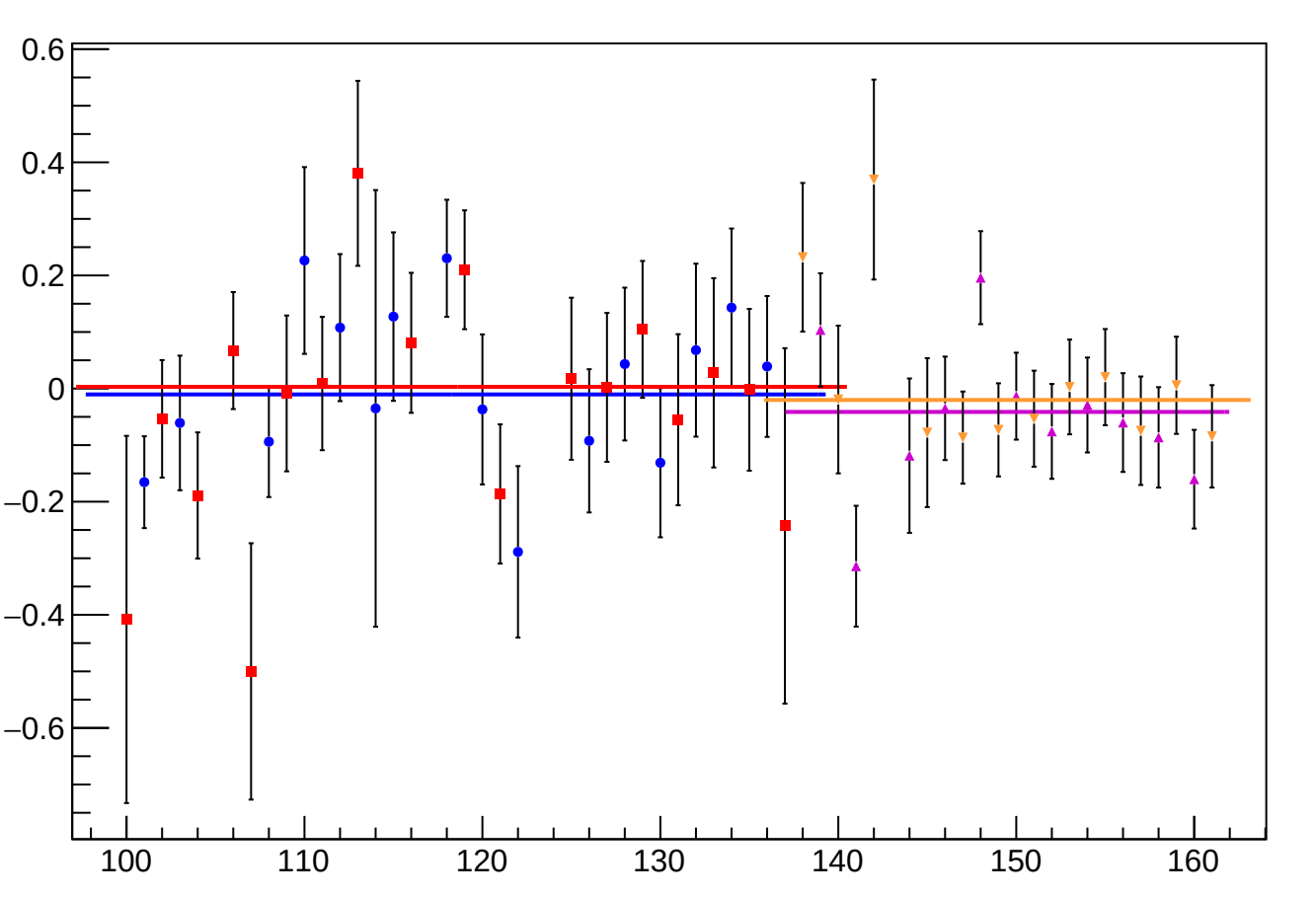
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 60.557+/-0.014 χ^2/NDF:509683.9/10

+ sign 60.903+/-0.011 χ^2/NDF: 1439797.4/27

All: 60.701+/-0.008 χ^2/NDF: 2661291.9/56

- sign 60.505+/-0.011 χ^2/NDF: 1220838.1/28



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

Left Out: -0.020+/-0.028 χ^2/NDF:11.2/11

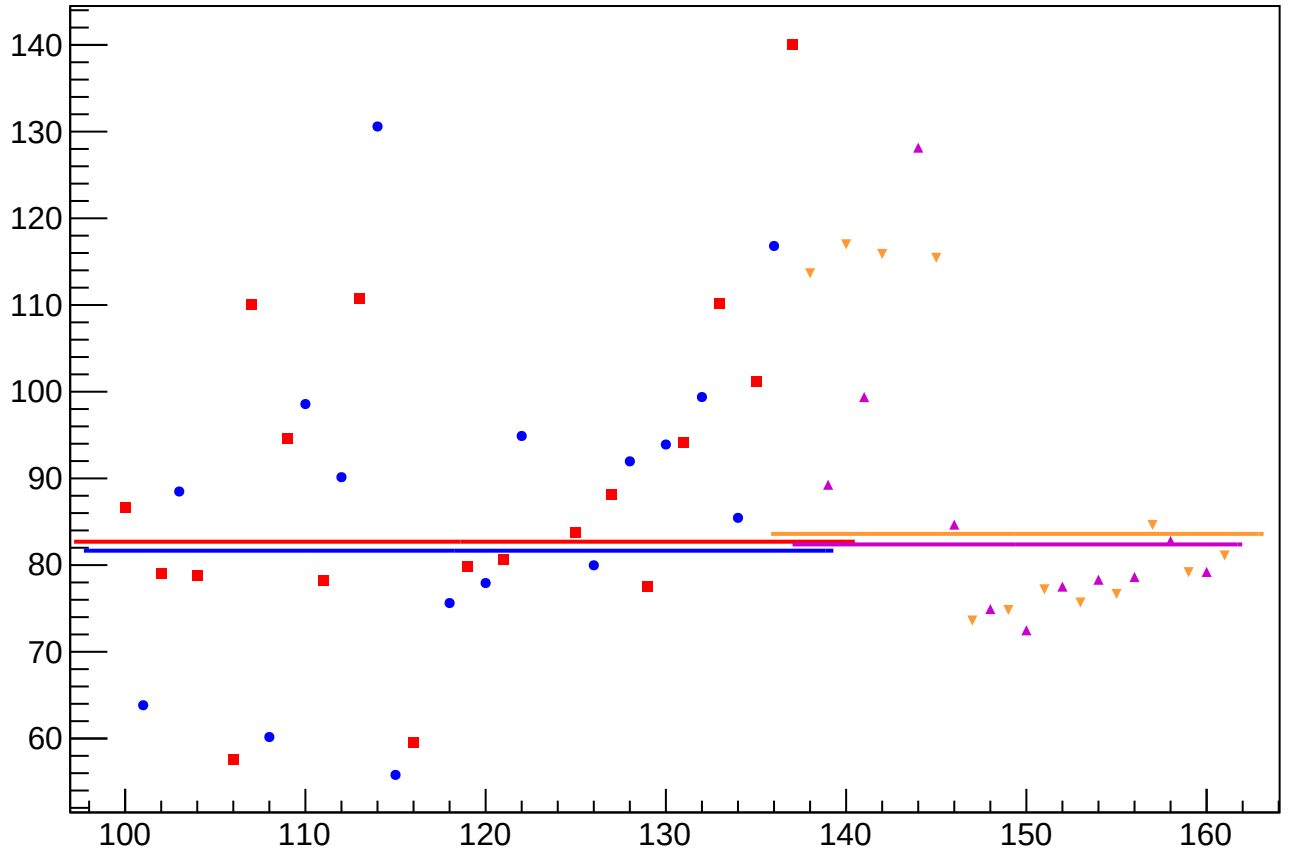
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.041+/-0.027 χ^2/NDF:19.8/10

+ sign -0.016+/-0.021 χ^2/NDF: 31.4/27

All: -0.019+/-0.015 χ^2/NDF: 76.0/56

- sign -0.022+/-0.021 χ^2/NDF: 44.5/28



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

Left Out: 83.604+/-0.020 χ^2/NDF:521723.3/11

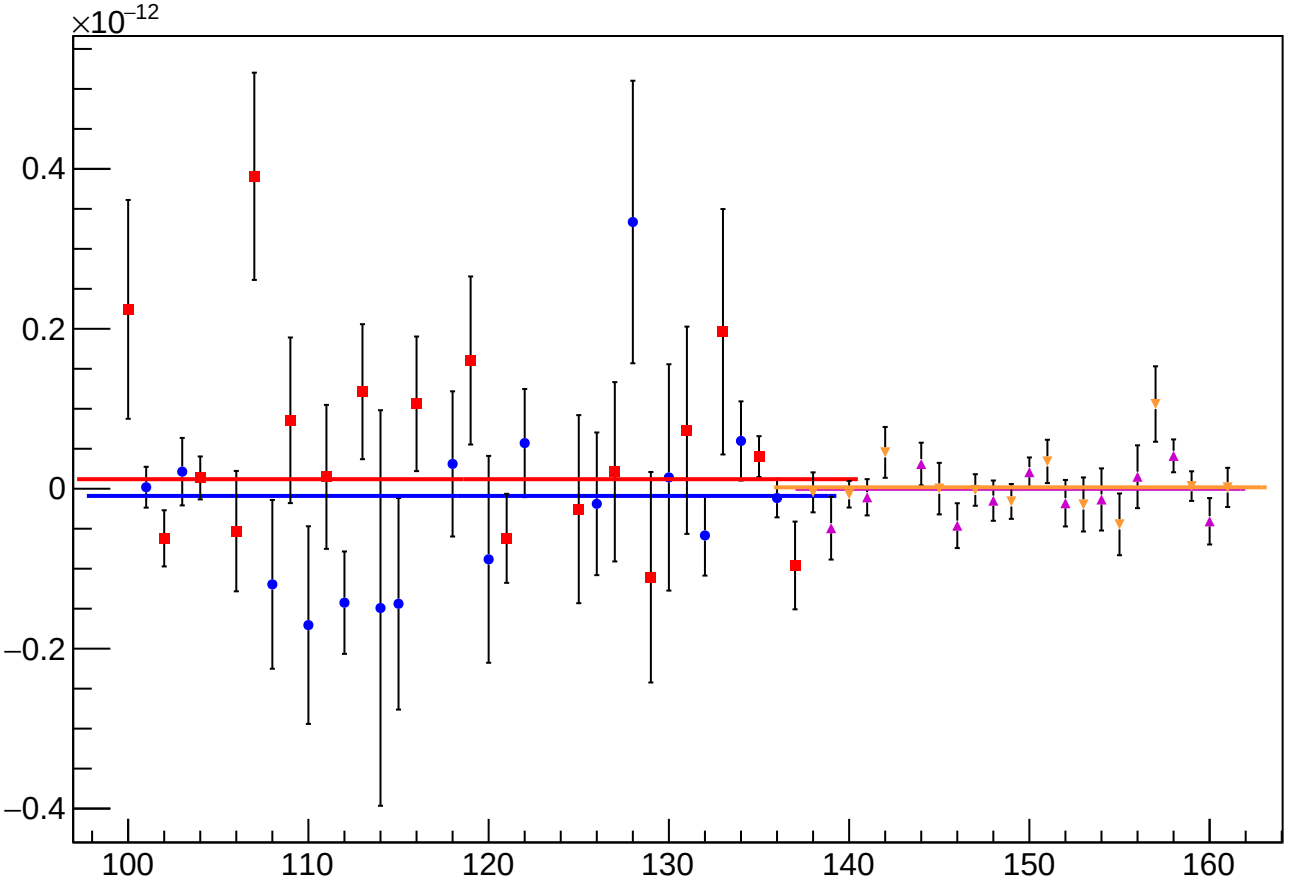
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 82.385+/-0.019 χ^2/NDF:353752.3/10

\+ sign 82.756+/-0.015 χ^2/NDF: 1087805.6/27

All: 82.636+/-0.010 χ^2/NDF: 1914864.2/56

\- sign 82.519+/-0.015 χ^2/NDF: 826928.2/28



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

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/11

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

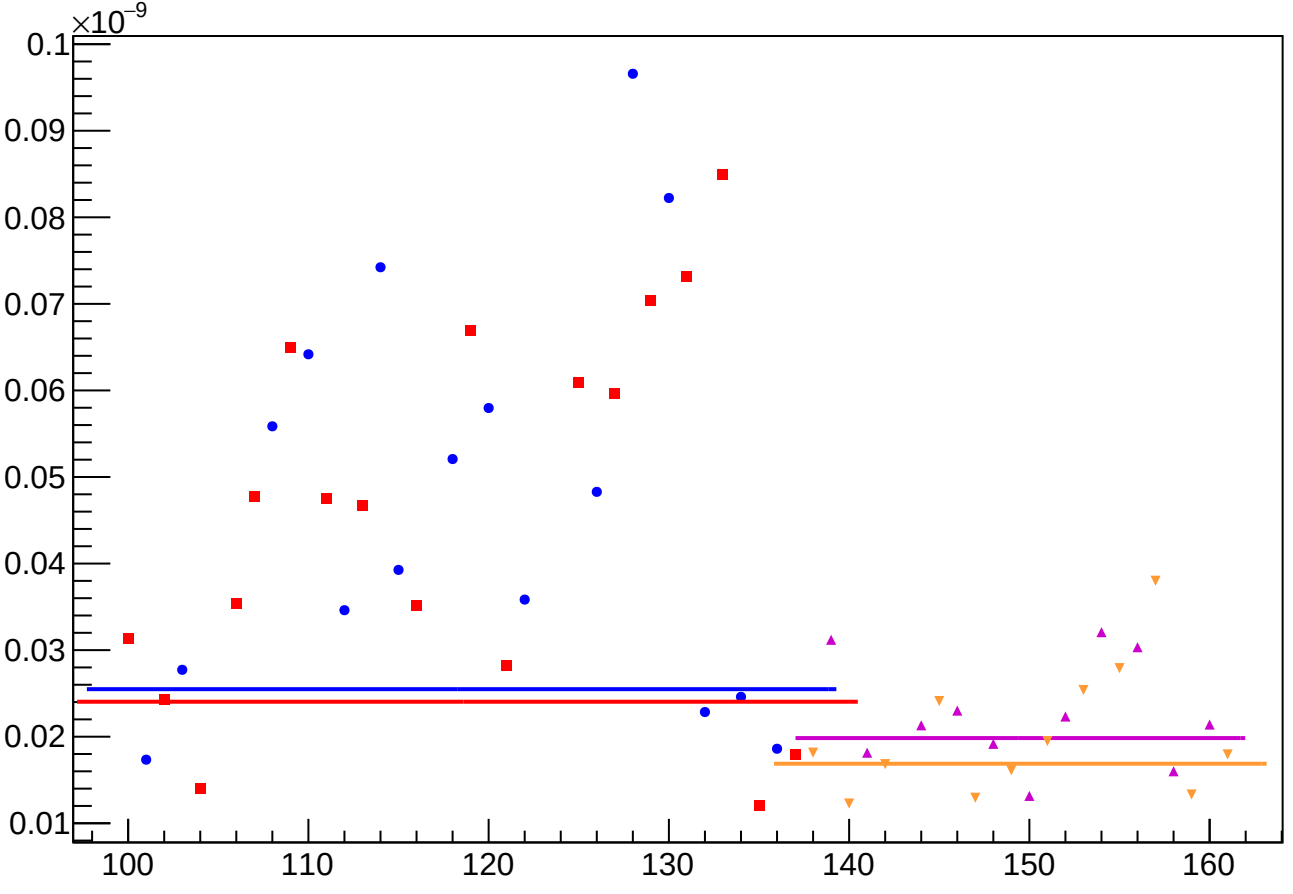
Left In: -0.000+/-0.000 χ^2/NDF:14.1/10

+ sign -0.000+/-0.000 χ^2/NDF: 29.0/27

All: 0.000+/-0.000 χ^2/NDF: 74.9/56

- sign 0.000+/-0.000 χ^2/NDF: 45.8/28

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:1128814.8/11

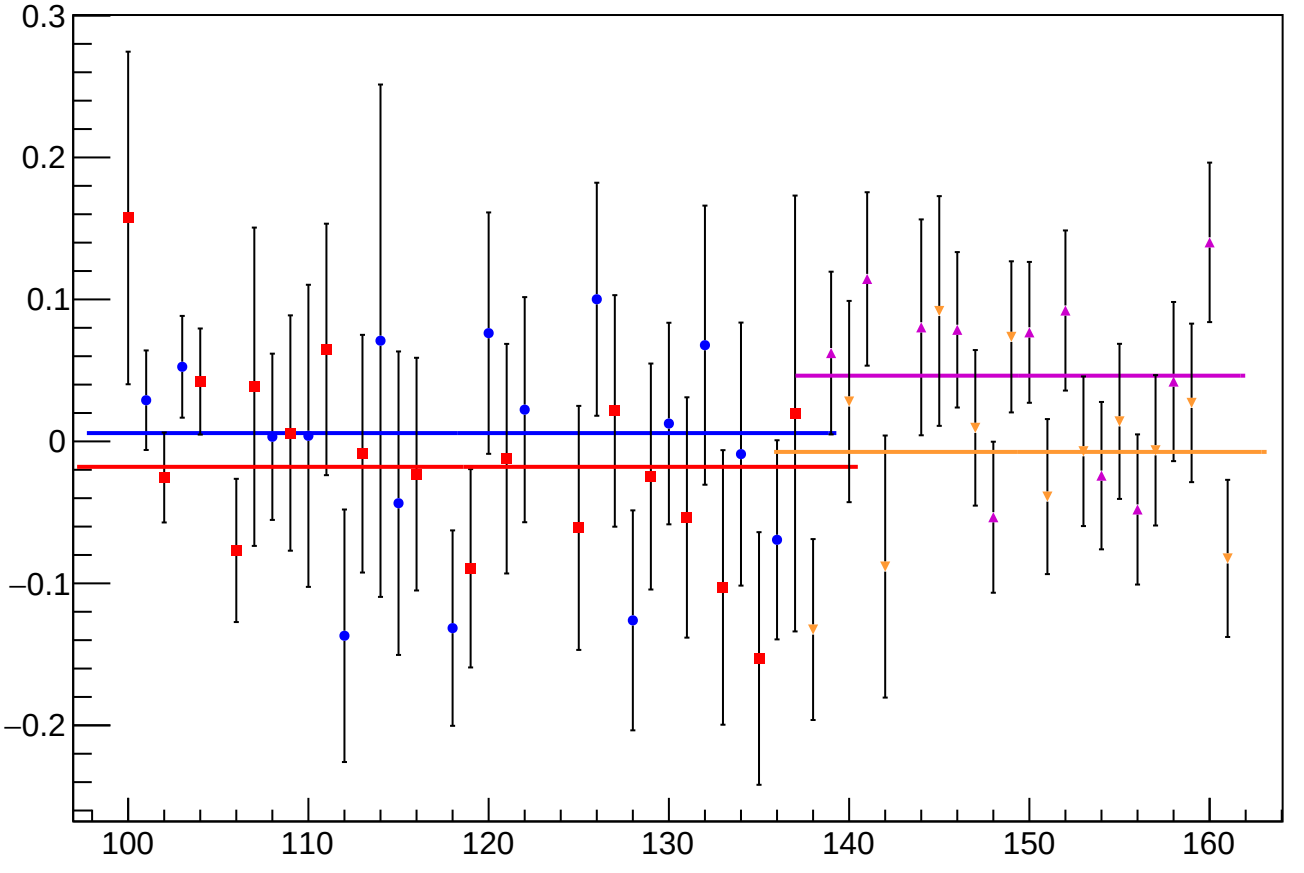
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:906657.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 3784828.5/27

All: 0.000+/-0.000 χ^2/NDF: 8026774.0/56

- sign 0.000+/-0.000 χ^2/NDF: 4136596.9/28



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

Left Out: -0.007+/-0.017 χ^2/NDF:11.5/11

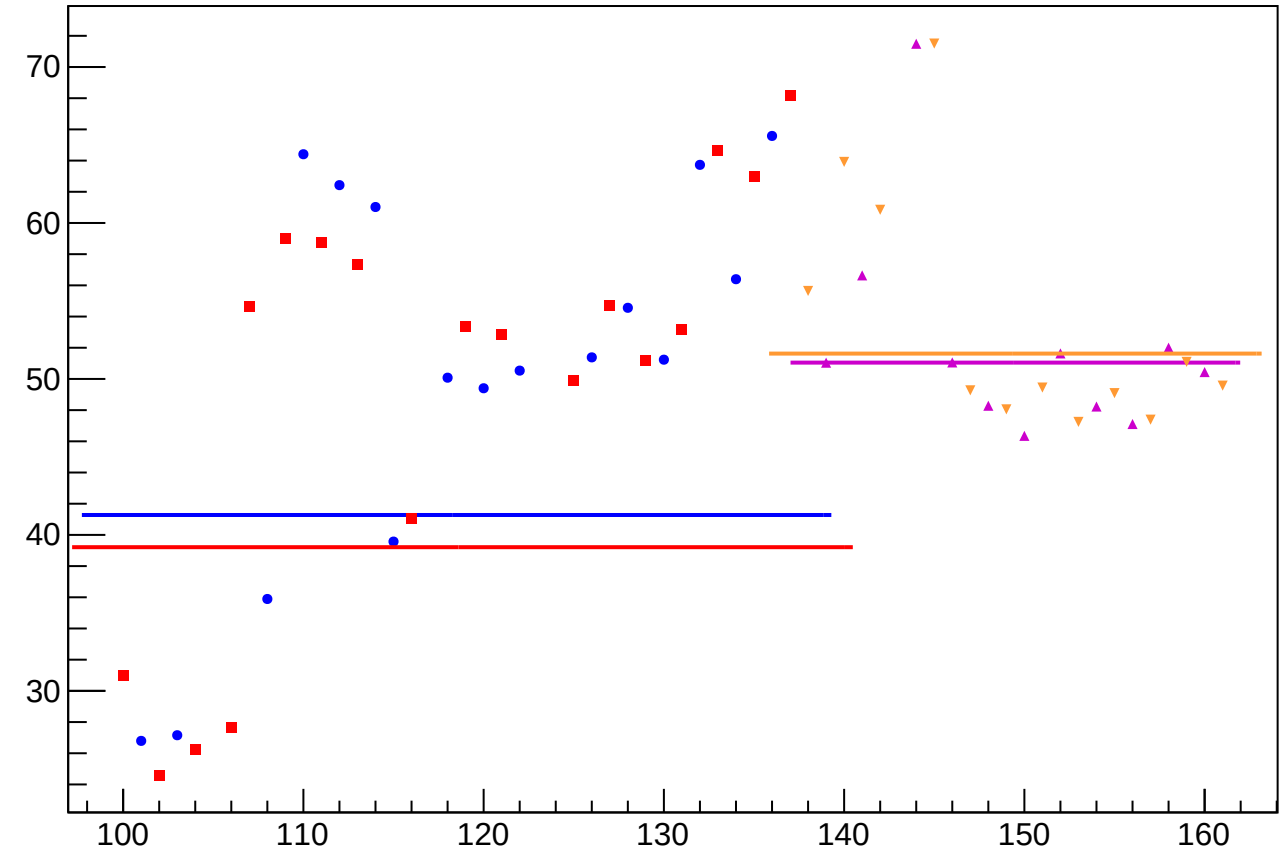
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.046+/-0.017 χ^2/NDF:14.2/10

+ sign -0.001+/-0.012 χ^2/NDF: 27.4/27

All: 0.006+/-0.008 χ^2/NDF: 62.3/56

- sign 0.012+/-0.012 χ^2/NDF: 34.3/28



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

Left Out: 51.625+/-0.012 χ^2/NDF:258545.6/11

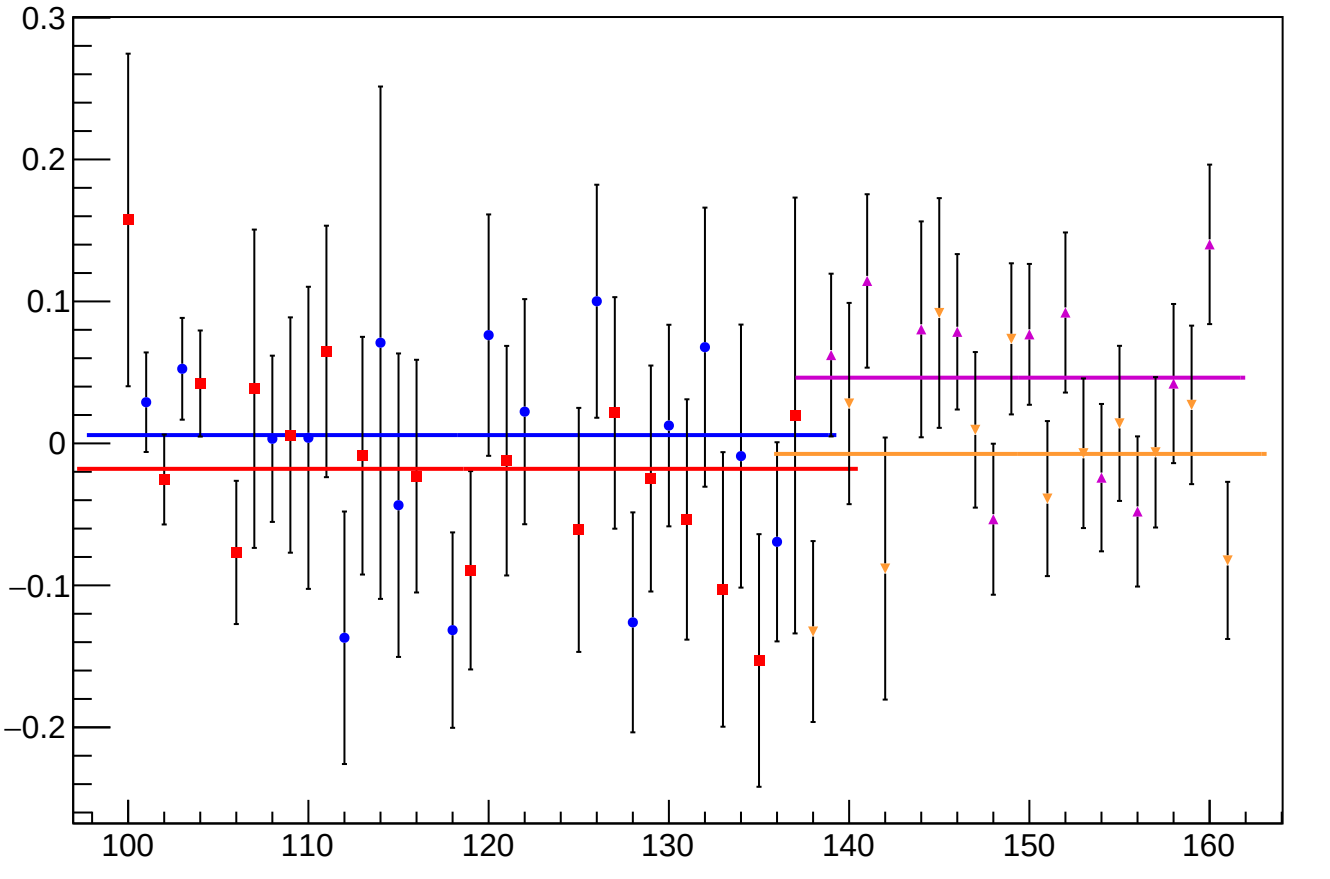
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

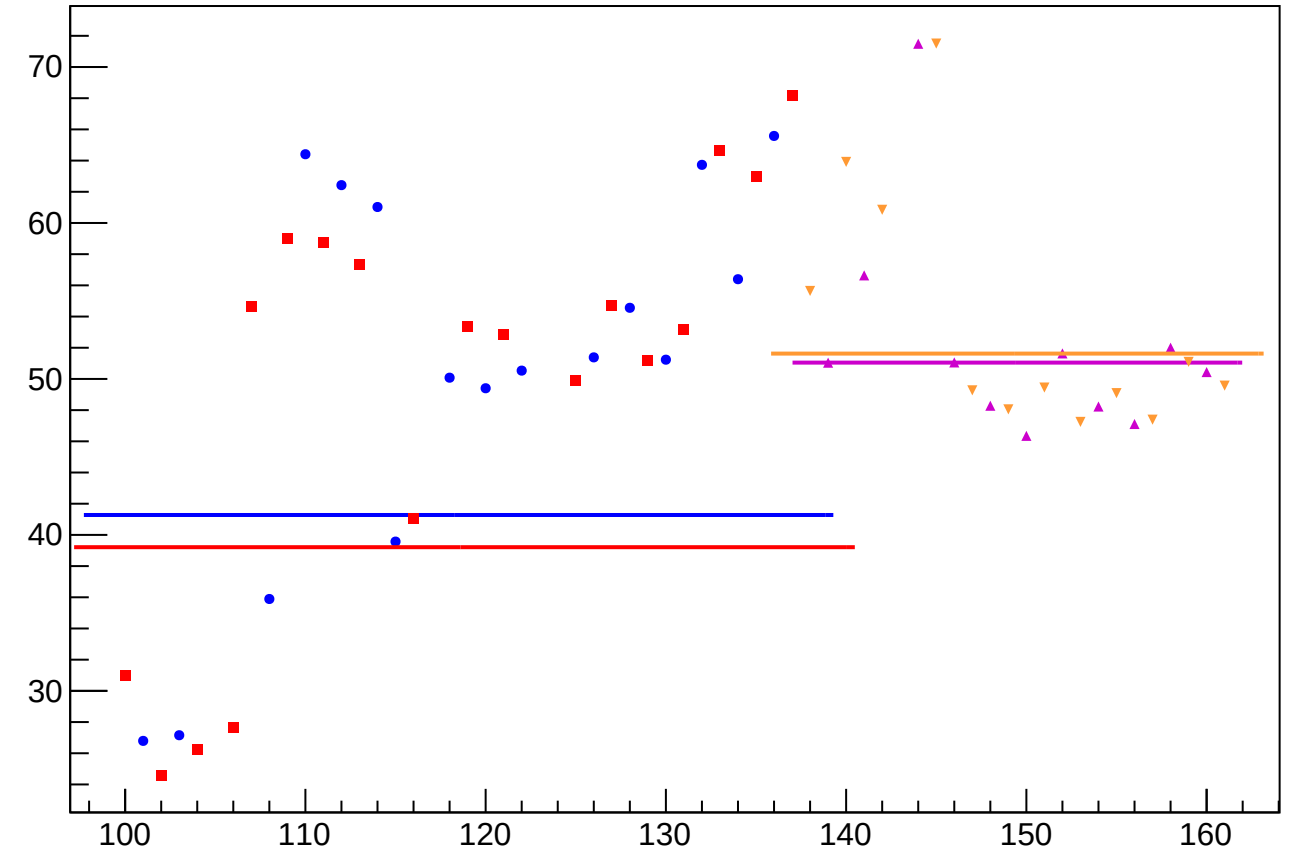
Left In: 51.047+/-0.012 χ^2/NDF:202695.8/10

+ sign 46.286+/-0.008 χ^2/NDF: 2143479.3/27

All: 45.479+/-0.006 χ^2/NDF: 4710737.5/56

- sign 44.721+/-0.008 χ^2/NDF: 2549306.7/28


asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.006+/-0.017 χ²/NDF: 15.6/15
Left Out: -0.007+/-0.017 χ²/NDF:11.5/11
Right Out: -0.018+/-0.016 χ²/NDF: 12.3/17
Left In: 0.046+/-0.017 χ²/NDF:14.2/10
+ sign -0.001+/-0.012 χ²/NDF: 27.4/27
All: 0.006+/-0.008 χ²/NDF: 62.3/56
- sign 0.012+/-0.012 χ²/NDF: 34.3/28



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

Left Out: 51.625+/-0.012 χ^2/NDF:258545.6/11

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

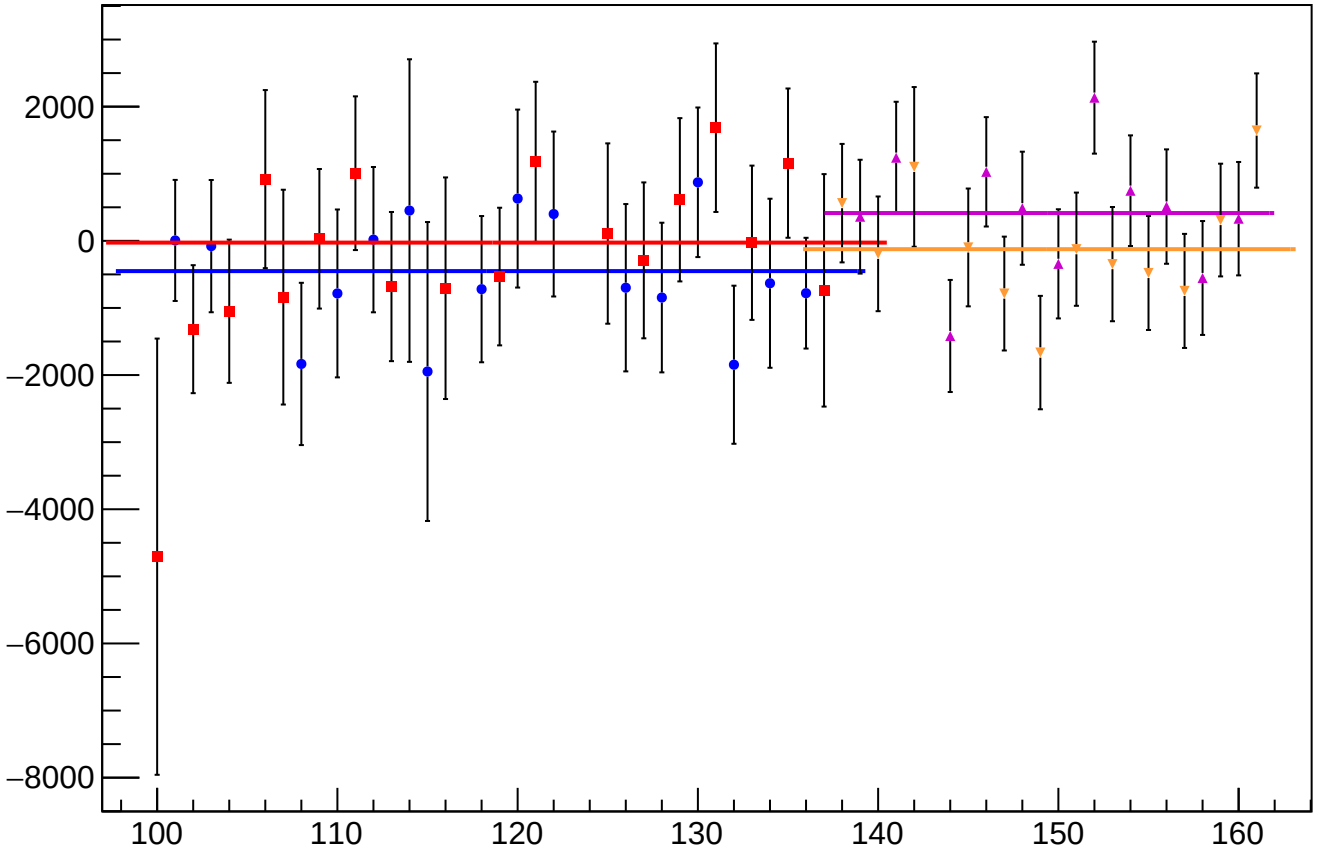
Left In: 51.047+/-0.012 χ^2/NDF:202695.8/10

+ sign 46.286+/-0.008 χ^2/NDF: 2143479.3/27

All: 45.479+/-0.006 χ^2/NDF: 4710737.5/56

- sign 44.721+/-0.008 χ^2/NDF: 2549306.7/28

reg_asym_us_dd_mean vs Slug



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

Left Out: -124.064+/-251.590 χ^2/NDF:11.0/11

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

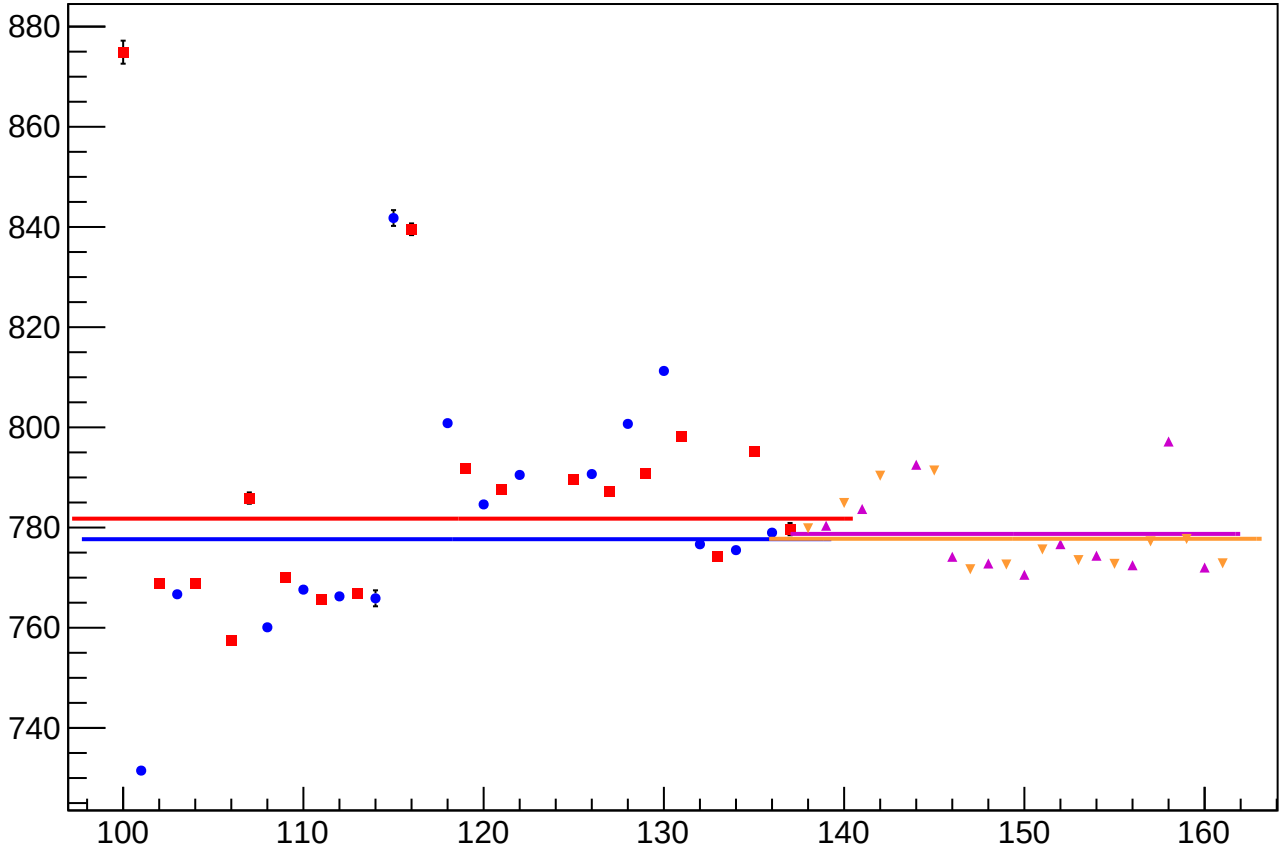
Left In: 414.415+/-251.877 χ^2/NDF:13.0/10

+ sign -265.023+/-189.744 χ^2/NDF: 18.6/27

All: -20.570+/-134.125 χ^2/NDF: 47.9/56

- sign 223.561+/-189.619 χ^2/NDF: 26.0/28

reg_asym_us_dd_rms vs Slug



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

Left Out: 777.759+/-0.178 χ^2/NDF:1233.0/11

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

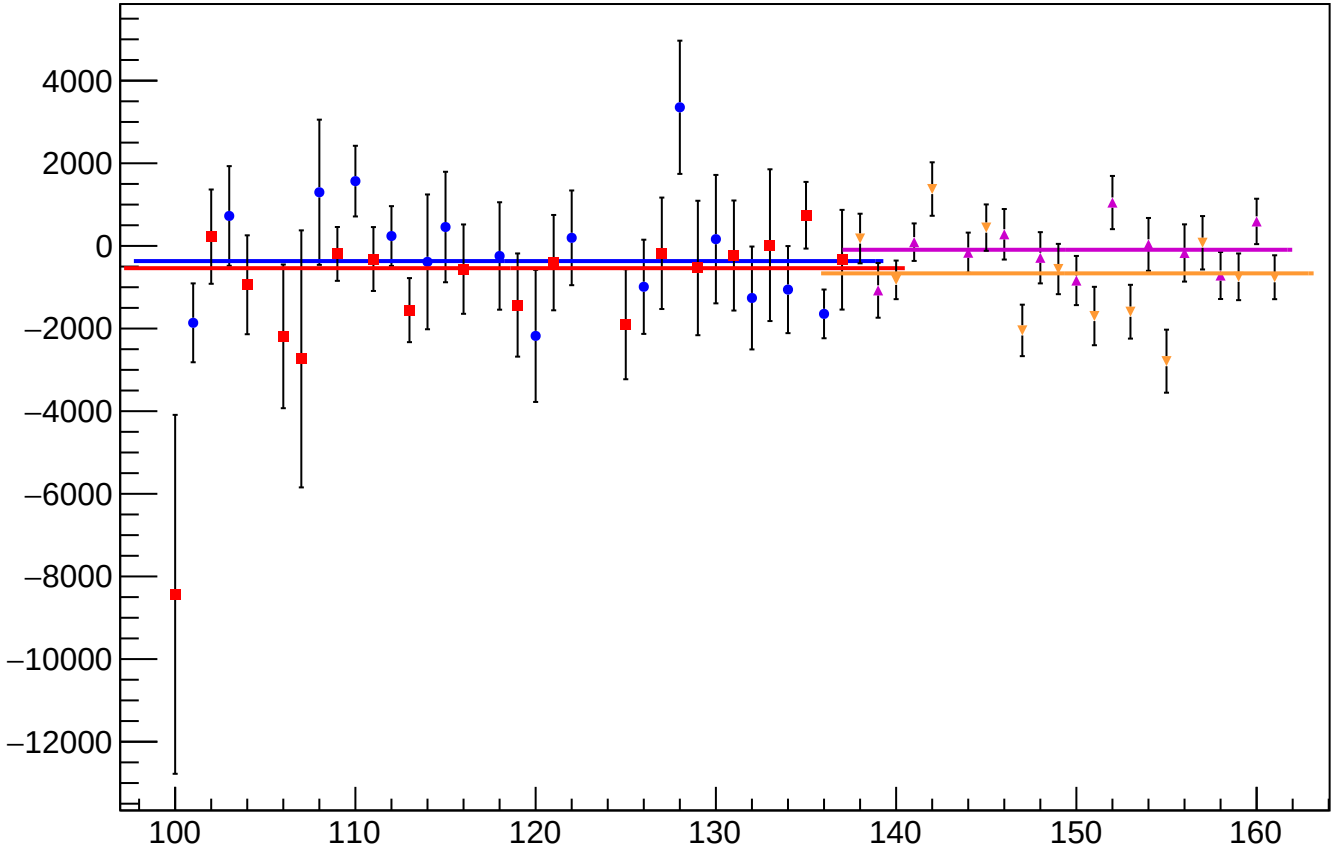
Left In: 778.733+/-0.178 χ^2/NDF:2233.4/10

+ sign 777.722+/-0.134 χ^2/NDF: 13288.5/27

All: 778.888+/-0.095 χ^2/NDF: 23425.5/56

- sign 780.052+/-0.134 χ^2/NDF: 9986.2/28

asym_us_dd_reg_correction_mean vs Slug



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

Left Out: -664.409+/-173.193 χ^2/NDF:34.2/11

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

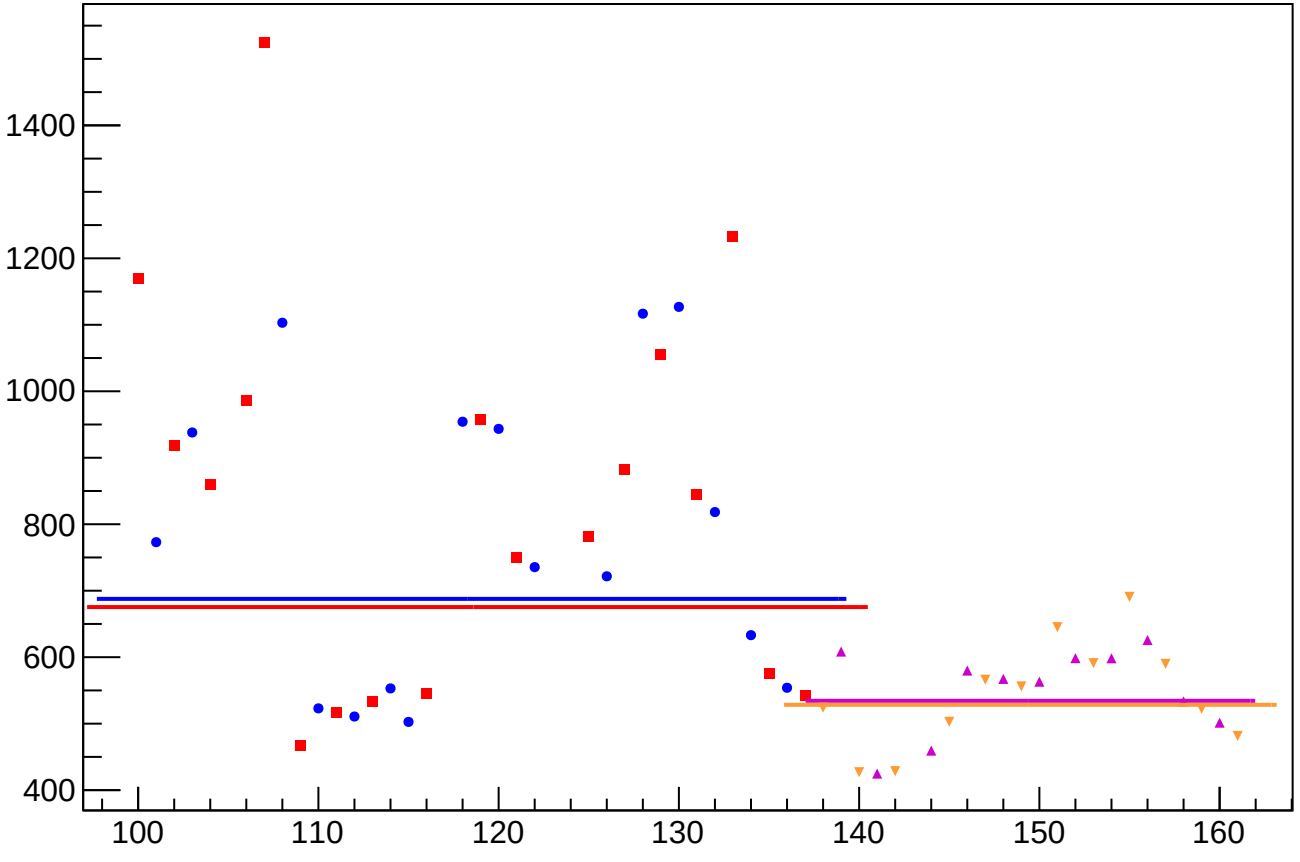
Left In: -93.256+/-174.582 χ^2/NDF:10.4/10

+ sign -576.193+/-145.253 χ^2/NDF: 58.3/27

All: -403.129+/-102.774 χ^2/NDF: 85.2/56

- sign -229.626+/-145.437 χ^2/NDF: 24.1/28

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 528.354+/-0.122 χ^2/NDF:355297.0/11

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

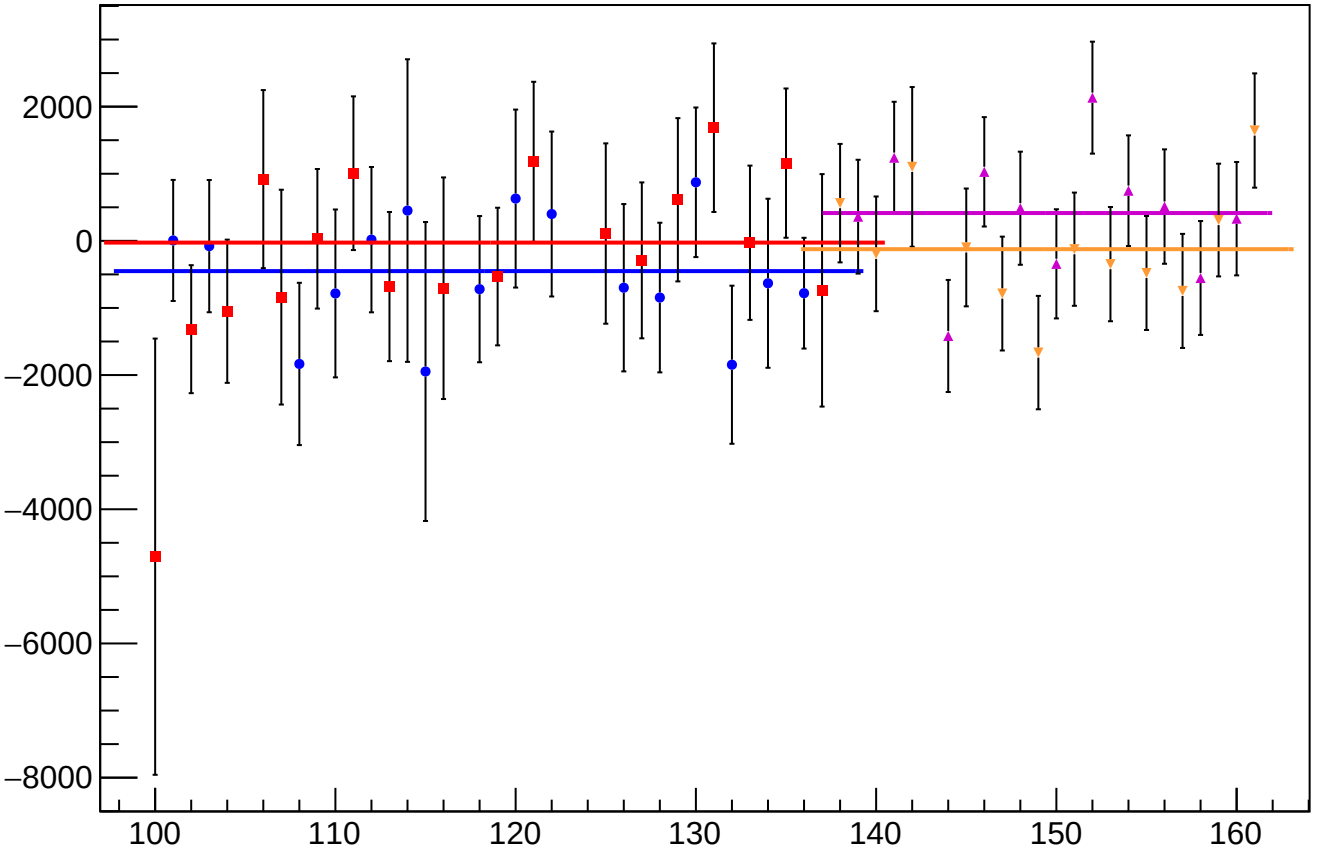
Left In: 534.371+/-0.123 χ^2/NDF:292192.7/10

+ sign 575.625+/-0.103 χ^2/NDF: 1889489.8/27

All: 576.577+/-0.073 χ^2/NDF: 3894296.7/56

- sign 577.531+/-0.103 χ^2/NDF: 2004634.8/28

cor_asym_us_dd_mean vs Slug



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

Left Out: -124.064+/-251.590 χ^2/NDF:11.0/11

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

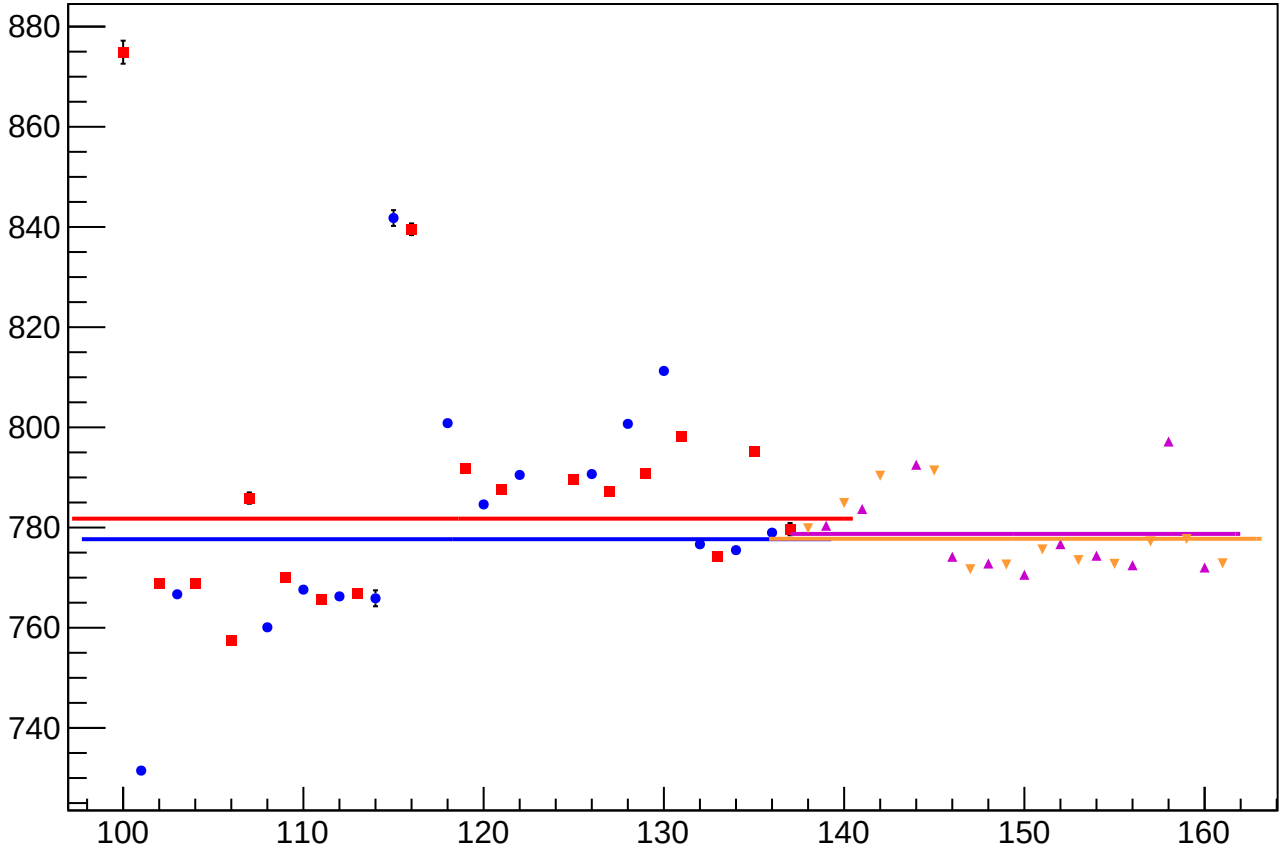
Left In: 414.415+/-251.877 χ^2/NDF:13.0/10

+ sign -265.023+/-189.744 χ^2/NDF: 18.6/27

All: -20.570+/-134.125 χ^2/NDF: 47.9/56

- sign 223.561+/-189.619 χ^2/NDF: 26.0/28

cor_asym_us_dd_rms vs Slug



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

Left Out: 777.759+/-0.178 χ^2/NDF:1233.0/11

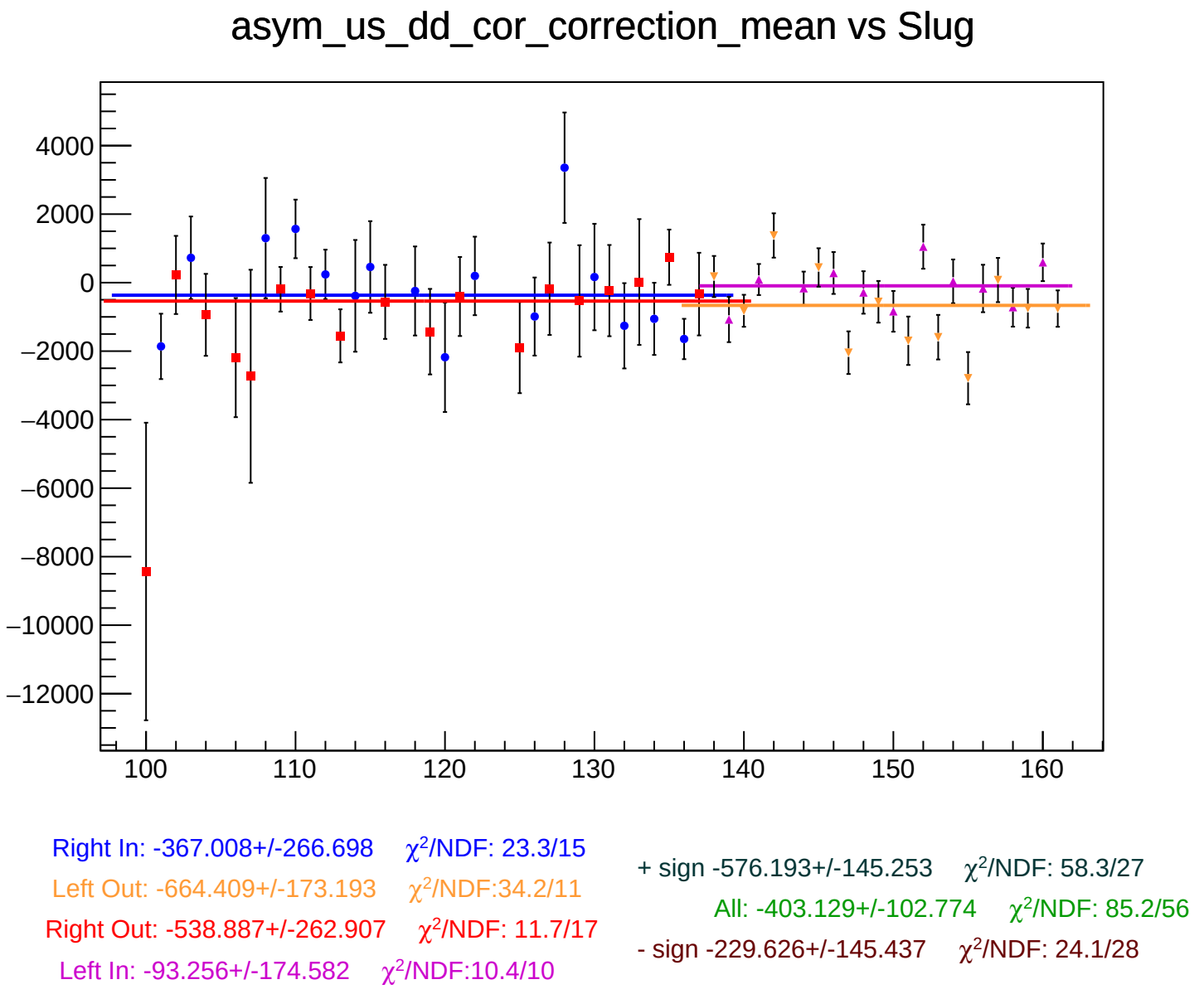
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.733+/-0.178 χ^2/NDF:2233.4/10

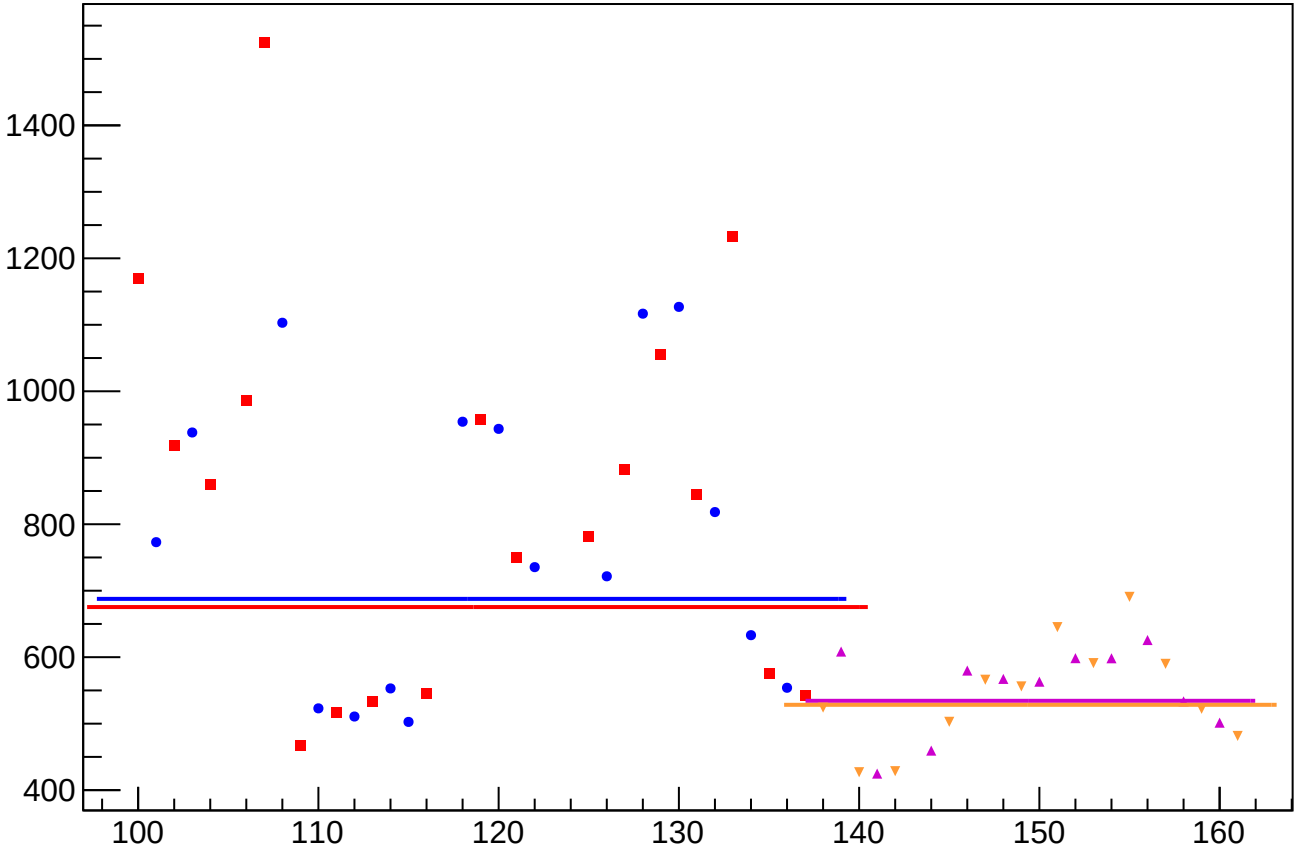
+ sign 777.722+/-0.134 χ^2/NDF: 13288.5/27

All: 778.888+/-0.095 χ^2/NDF: 23425.5/56

- sign 780.052+/-0.134 χ^2/NDF: 9986.2/28


asym_us_dd_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: -367.008+/-266.698 χ²/NDF: 23.3/15
Left Out: -664.409+/-173.193 χ²/NDF:34.2/11
Right Out: -538.887+/-262.907 χ²/NDF: 11.7/17
Left In: -93.256+/-174.582 χ²/NDF:10.4/10
+ sign -576.193+/-145.253 χ²/NDF: 58.3/27
All: -403.129+/-102.774 χ²/NDF: 85.2/56
- sign -229.626+/-145.437 χ²/NDF: 24.1/28

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 528.354+/-0.122 χ^2/NDF:355297.0/11

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

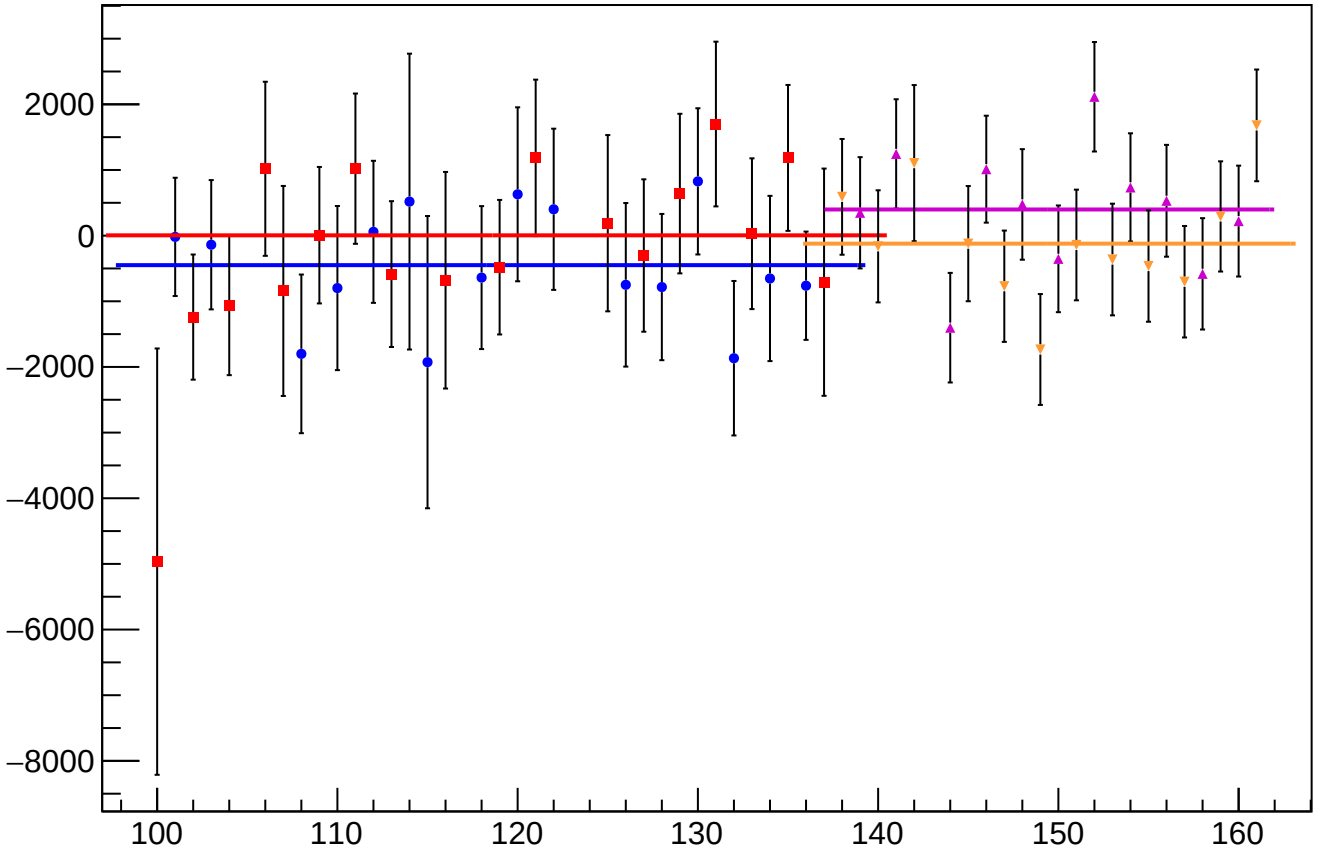
Left In: 534.371+/-0.123 χ^2/NDF:292192.7/10

+ sign 575.625+/-0.103 χ^2/NDF: 1889489.8/27

All: 576.577+/-0.073 χ^2/NDF: 3894296.7/56

- sign 577.531+/-0.103 χ^2/NDF: 2004634.8/28

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -122.016+/-251.371 χ^2/NDF:11.4/11

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

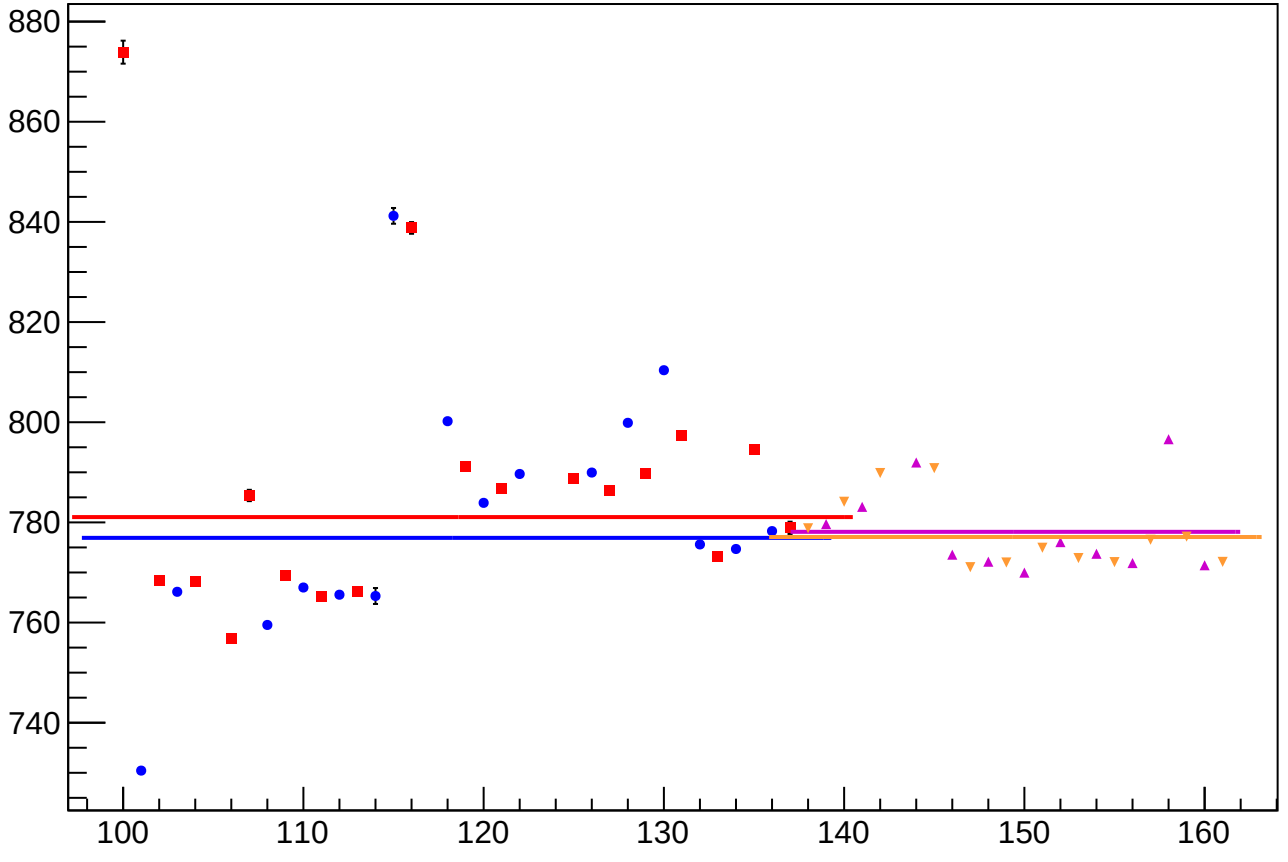
Left In: 398.374+/-251.677 χ^2/NDF:12.9/10

+ sign -263.218+/-189.570 χ^2/NDF: 18.9/27

All: -17.582+/-134.007 χ^2/NDF: 48.1/56

- sign 227.766+/-189.459 χ^2/NDF: 25.8/28

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 777.081+/-0.178 χ^2/NDF:1239.9/11

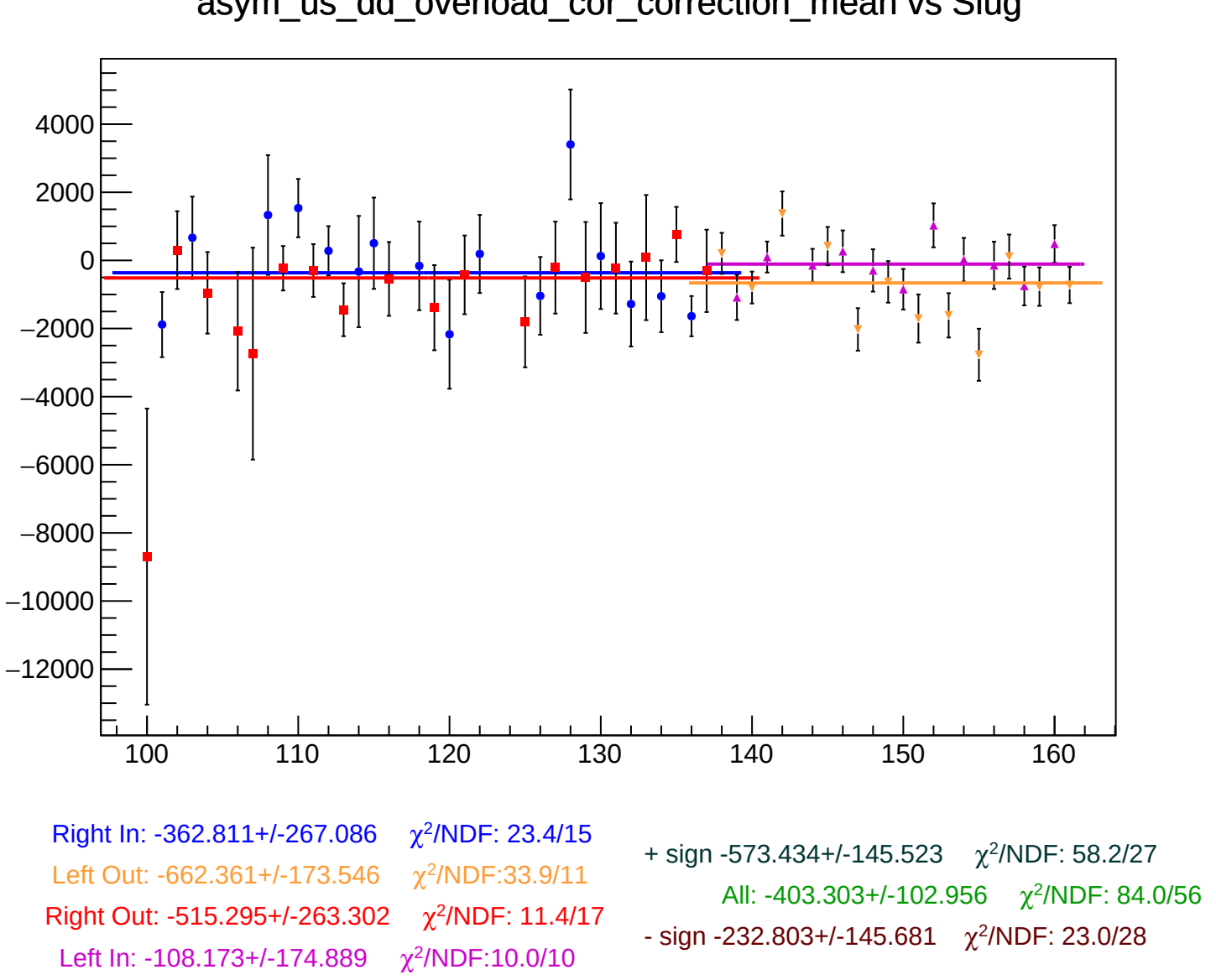
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 778.116+/-0.178 χ^2/NDF:2244.5/10

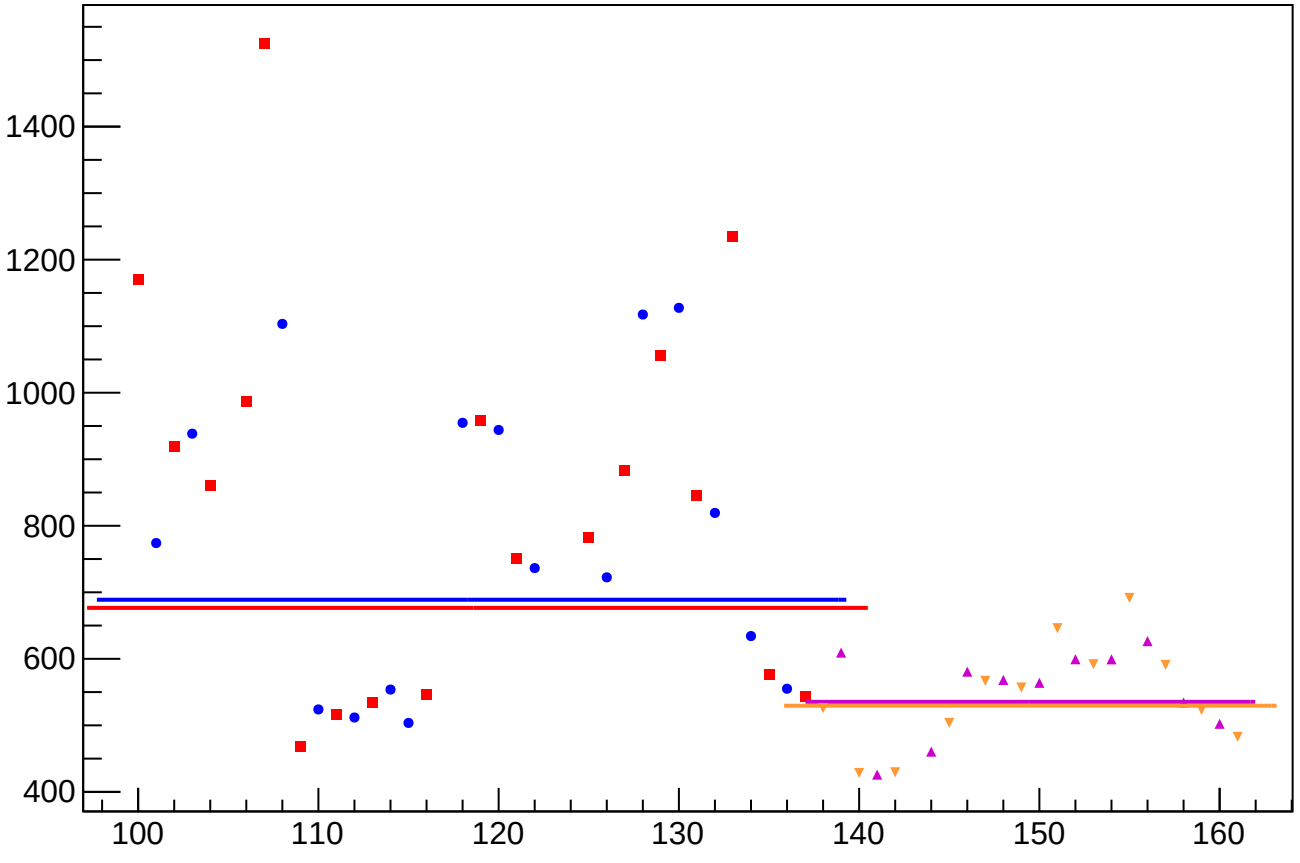
+ sign 777.008+/-0.134 χ^2/NDF: 13363.8/27

All: 778.201+/-0.095 χ^2/NDF: 23471.0/56

- sign 779.392+/-0.134 χ^2/NDF: 9948.9/28


asym_us_dd_overload_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: -362.811+/-267.086 χ²/NDF: 23.4/15
Left Out: -662.361+/-173.546 χ²/NDF:33.9/11
Right Out: -515.295+/-263.302 χ²/NDF: 11.4/17
Left In: -108.173+/-174.889 χ²/NDF:10.0/10
+ sign -573.434+/-145.523 χ²/NDF: 58.2/27
All: -403.303+/-102.956 χ²/NDF: 84.0/56
- sign -232.803+/-145.681 χ²/NDF: 23.0/28

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 529.488+/-0.123 χ^2/NDF:352327.7/11

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

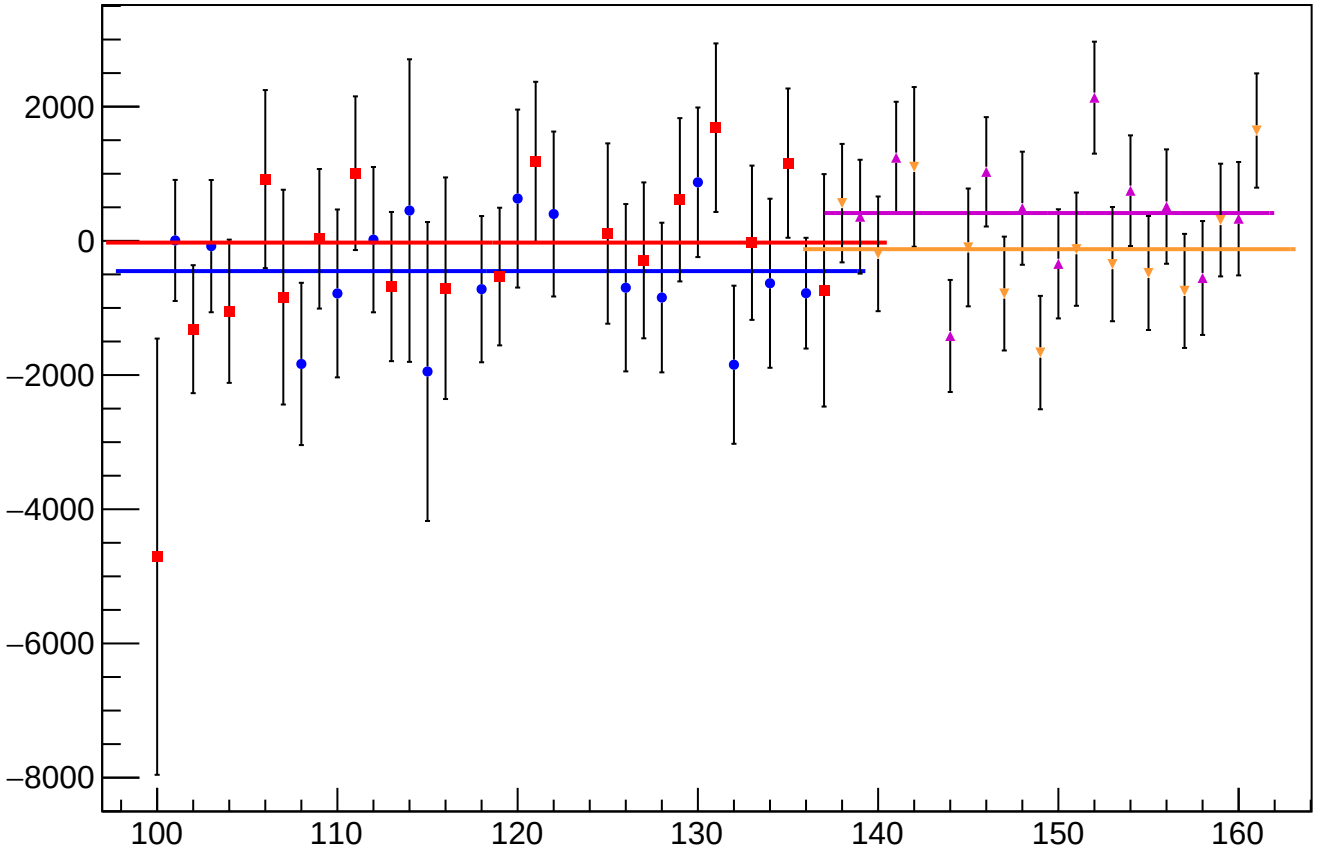
Left In: 535.347+/-0.124 χ^2/NDF:290209.1/10

+ sign 576.791+/-0.103 χ^2/NDF: 1880960.3/27

All: 577.684+/-0.073 χ^2/NDF: 3878590.3/56

- sign 578.579+/-0.103 χ^2/NDF: 1997479.2/28

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -124.064+/-251.590 χ^2/NDF:11.0/11

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

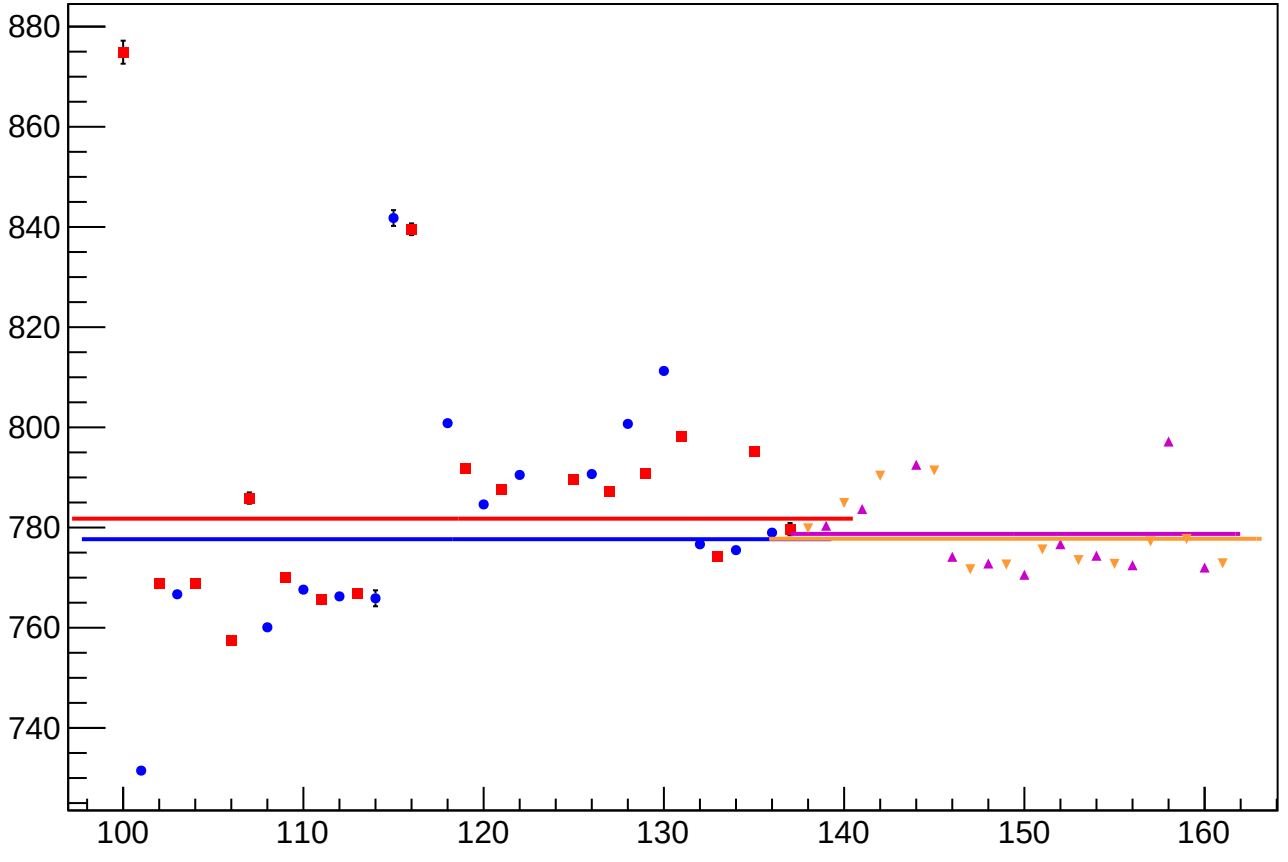
Left In: 414.415+/-251.877 χ^2/NDF:13.0/10

+ sign -265.023+/-189.744 χ^2/NDF: 18.6/27

All: -20.570+/-134.125 χ^2/NDF: 47.9/56

- sign 223.561+/-189.619 χ^2/NDF: 26.0/28

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 777.759+/-0.178 χ^2/NDF:1233.0/11

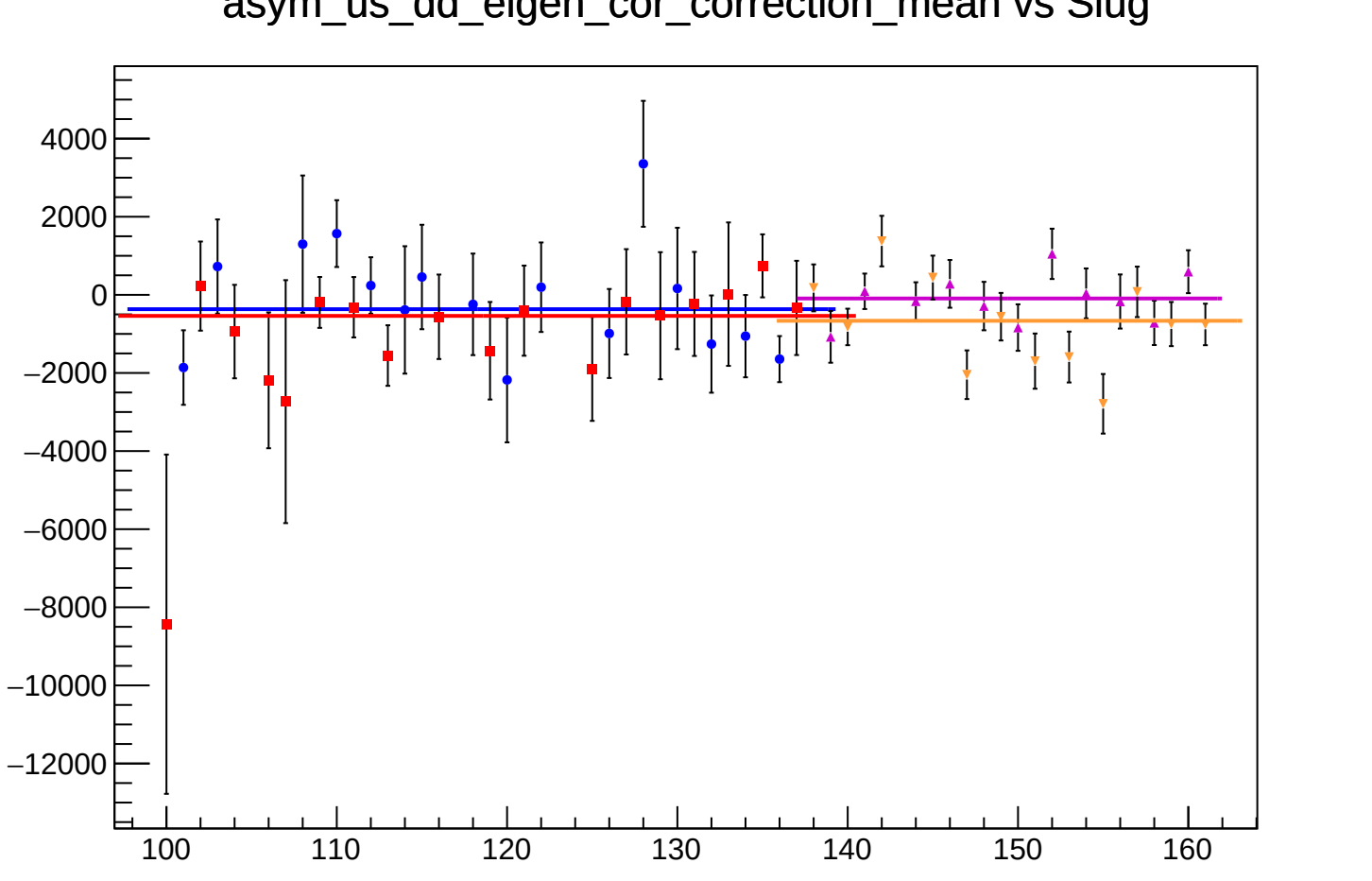
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.733+/-0.178 χ^2/NDF:2233.4/10

+ sign 777.722+/-0.134 χ^2/NDF: 13288.5/27

All: 778.888+/-0.095 χ^2/NDF: 23425.5/56

- sign 780.052+/-0.134 χ^2/NDF: 9986.2/28



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

Left Out: -664.409+/-173.193 χ^2/NDF:34.2/11

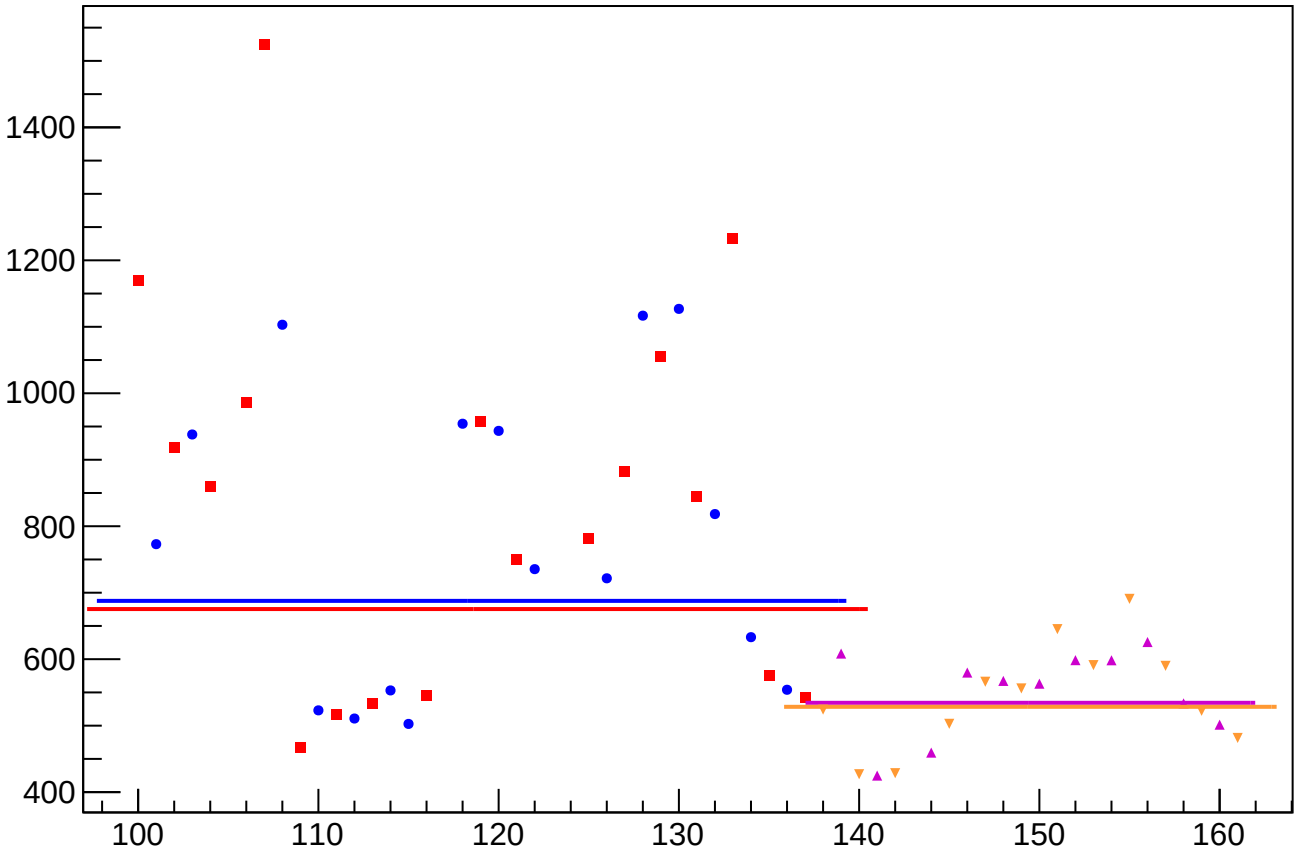
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -93.256+/-174.582 χ^2/NDF:10.4/10

+ sign -576.193+/-145.253 χ^2/NDF: 58.3/27

All: -403.129+/-102.774 χ^2/NDF: 85.2/56

- sign -229.626+/-145.437 χ^2/NDF: 24.1/28



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

Left Out: 528.354+/-0.122 χ^2/NDF:355297.0/11

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

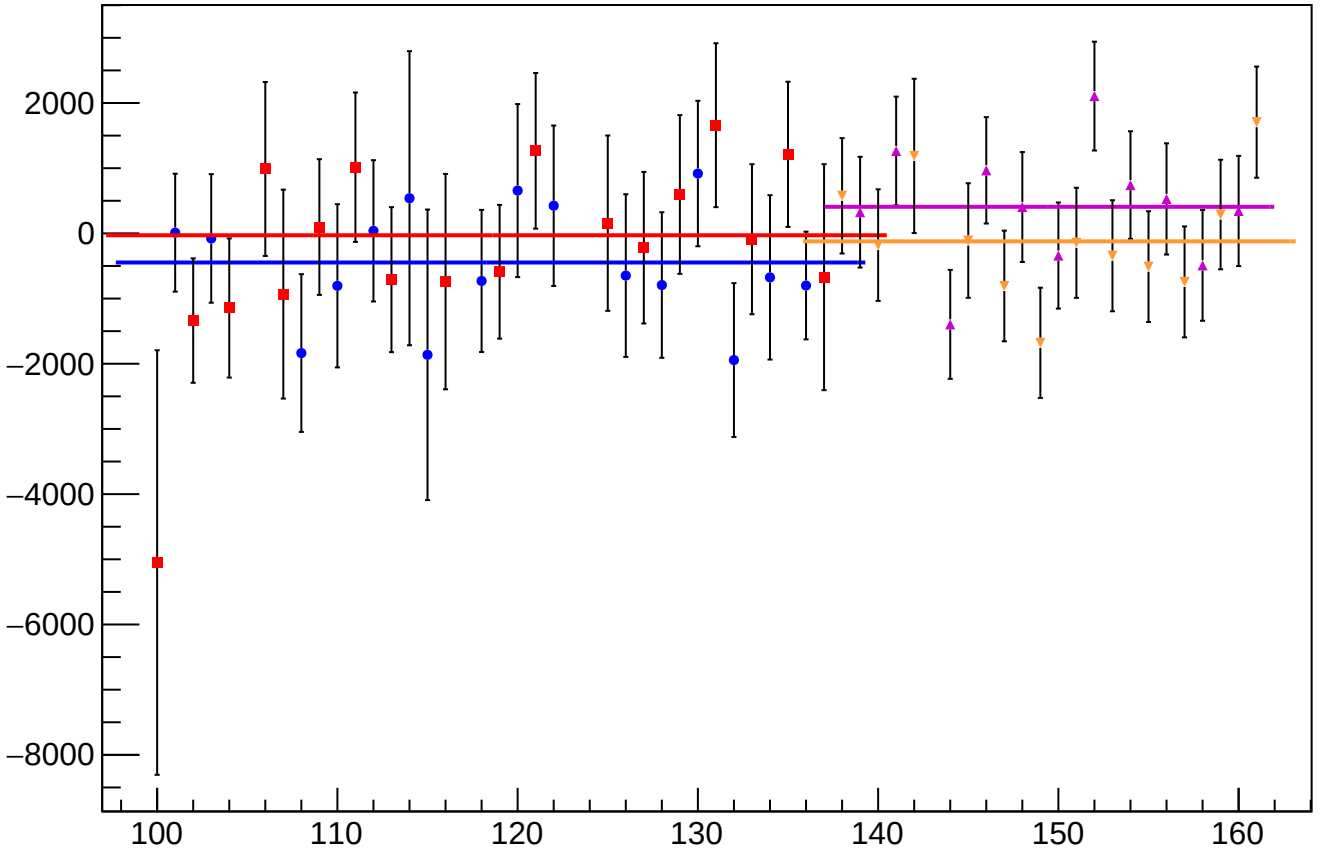
Left In: 534.371+/-0.123 χ^2/NDF:292192.7/10

+ sign 575.625+/-0.103 χ^2/NDF: 1889489.8/27

All: 576.577+/-0.073 χ^2/NDF: 3894296.7/56

- sign 577.531+/-0.103 χ^2/NDF: 2004634.8/28

dit_asym_us_dd_mean vs Slug



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

Left Out: -122.137+/-251.771 χ^2/NDF:11.6/11

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

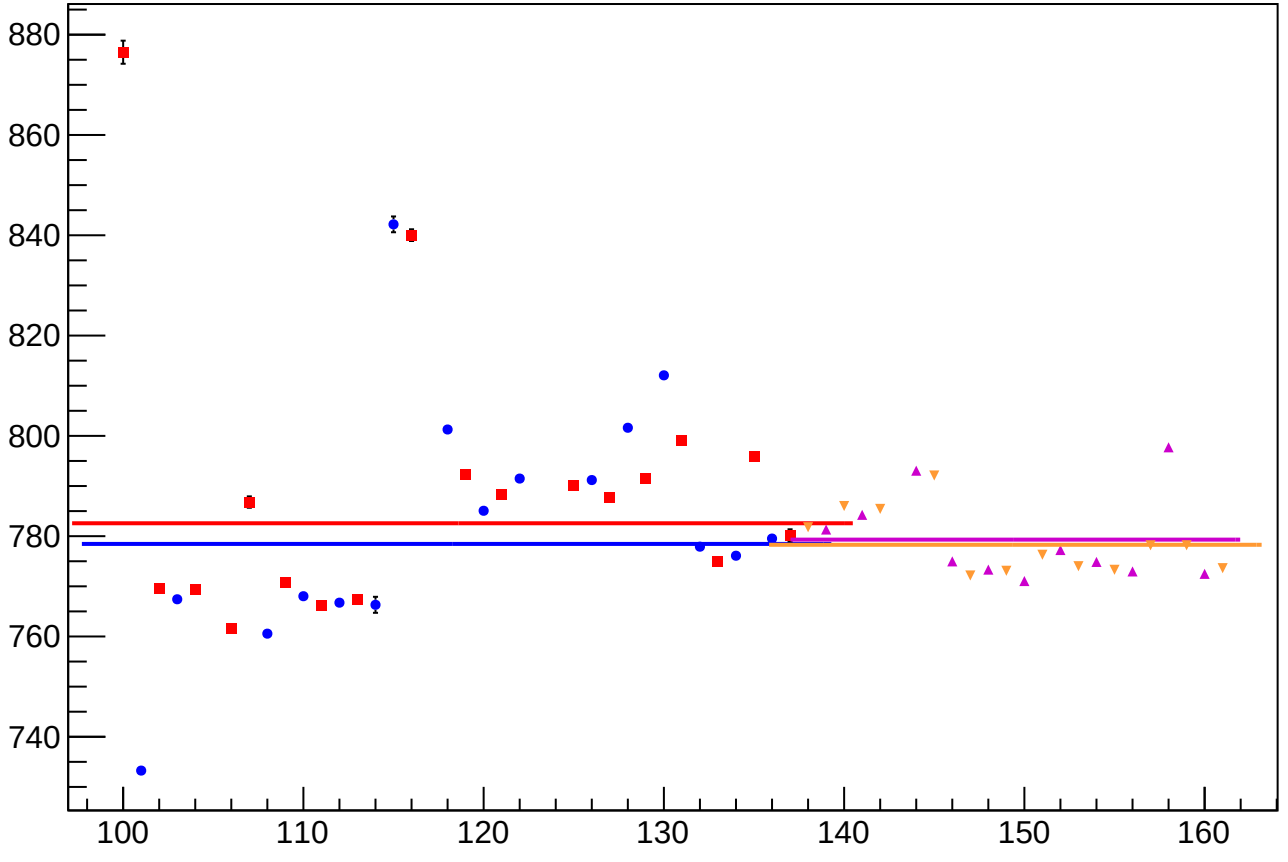
Left In: 407.662+/-252.064 χ^2/NDF:12.5/10

+ sign -262.030+/-189.903 χ^2/NDF: 19.6/27

All: -21.549+/-134.239 χ^2/NDF: 49.2/56

- sign 218.628+/-189.783 χ^2/NDF: 26.4/28

dit_asym_us_dd_rms vs Slug



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

Left Out: 778.283+/-0.178 χ^2/NDF:1131.0/11

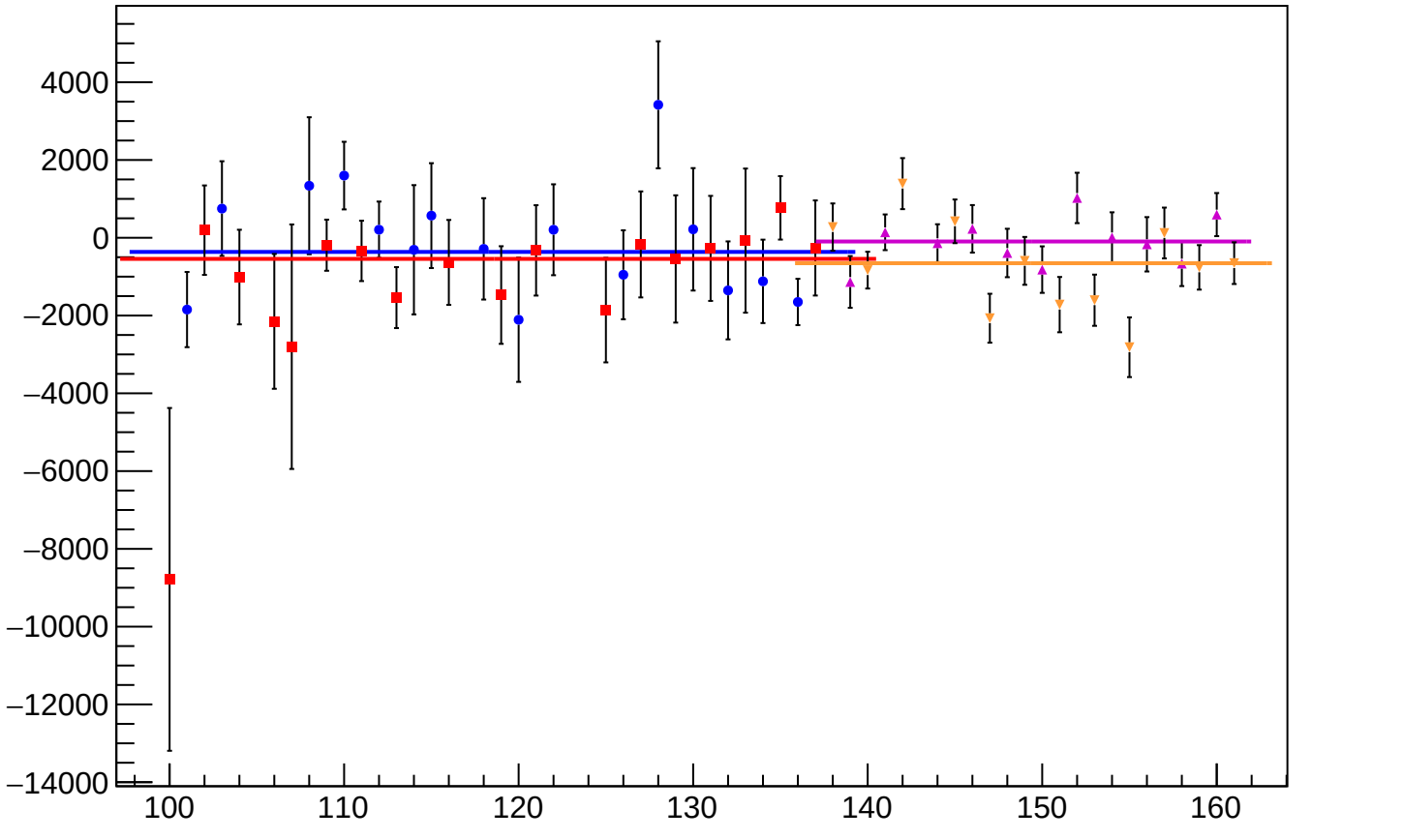
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 779.312+/-0.178 χ^2/NDF:2236.6/10

+ sign 778.358+/-0.134 χ^2/NDF: 12926.7/27

All: 779.542+/-0.095 χ^2/NDF: 22945.4/56

- sign 780.726+/-0.134 χ^2/NDF: 9863.2/28



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

Left Out: -654.428+/-174.890 χ^2/NDF:34.6/11

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

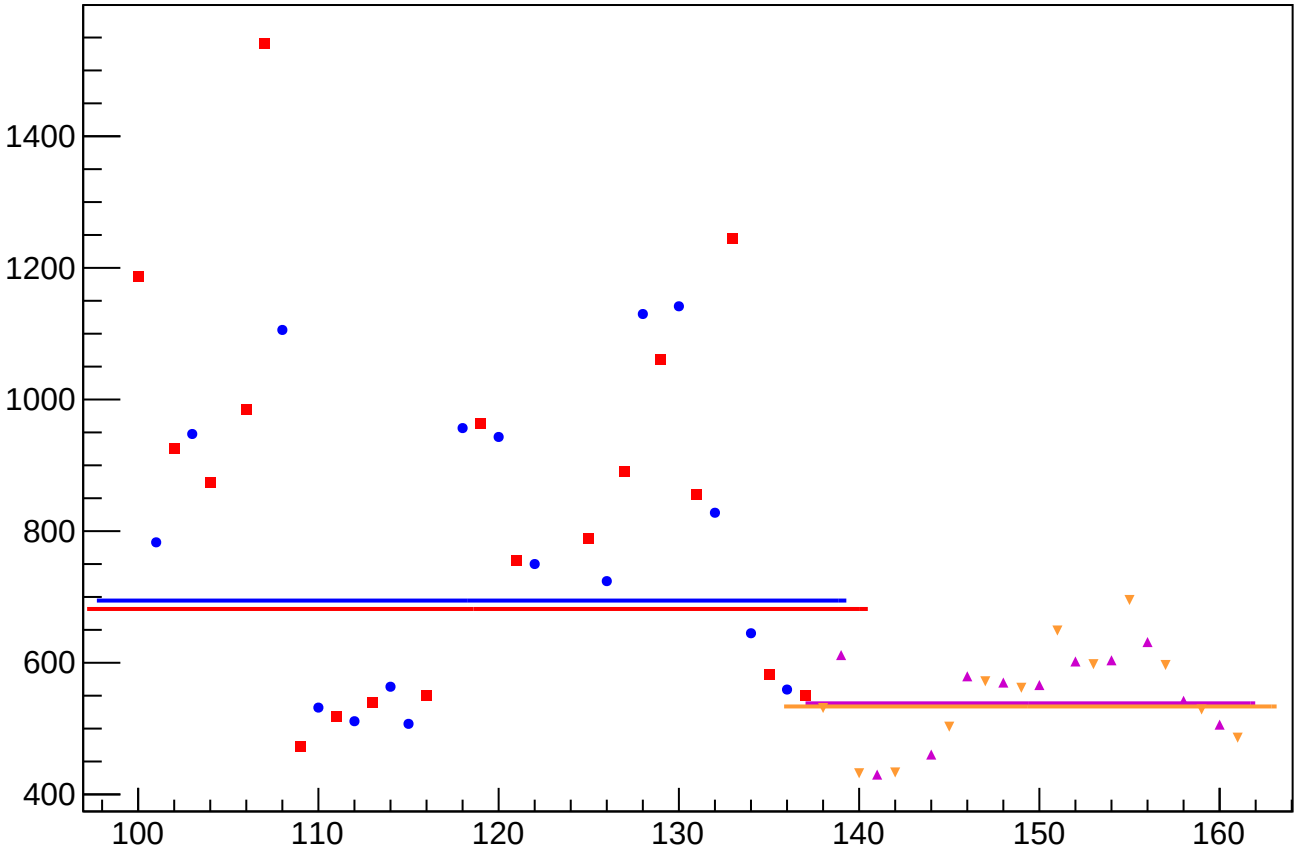
Left In: -95.976+/-175.833 χ^2/NDF:10.2/10

\+ sign -568.275+/-146.677 χ^2/NDF: 58.8/27

All: -400.200+/-103.675 χ^2/NDF: 85.4/56

\- sign -232.390+/-146.561 χ^2/NDF: 24.0/28

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 533.613+/-0.124 χ^2/NDF:351406.0/11

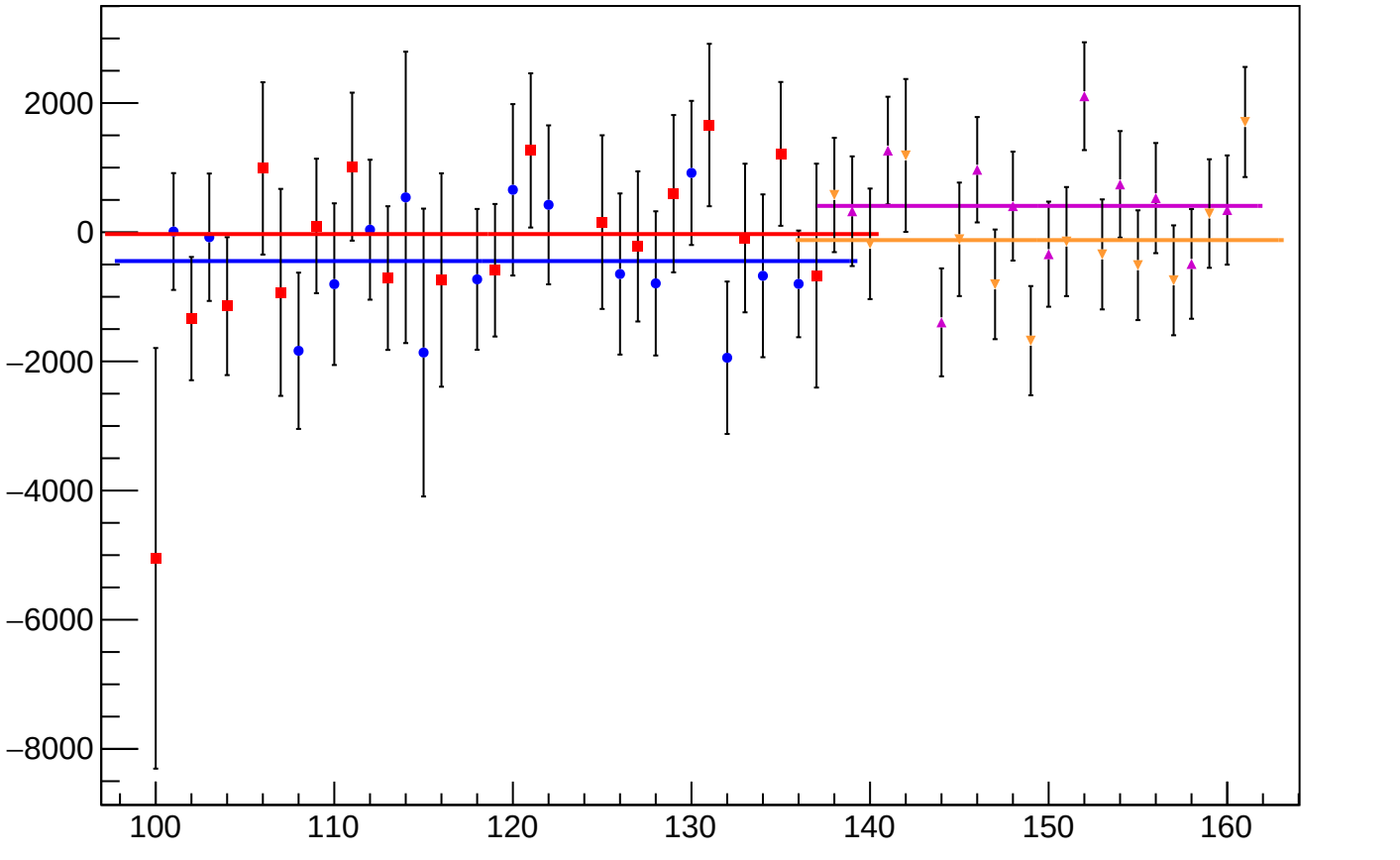
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 538.355+/-0.124 χ^2/NDF:287244.0/10

+ sign 581.342+/-0.104 χ^2/NDF: 1883473.9/27

All: 581.733+/-0.073 χ^2/NDF: 3888048.2/56

- sign 582.124+/-0.104 χ^2/NDF: 2004545.8/28



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

Left Out: -122.139+/-251.771 χ^2/NDF:11.6/11

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

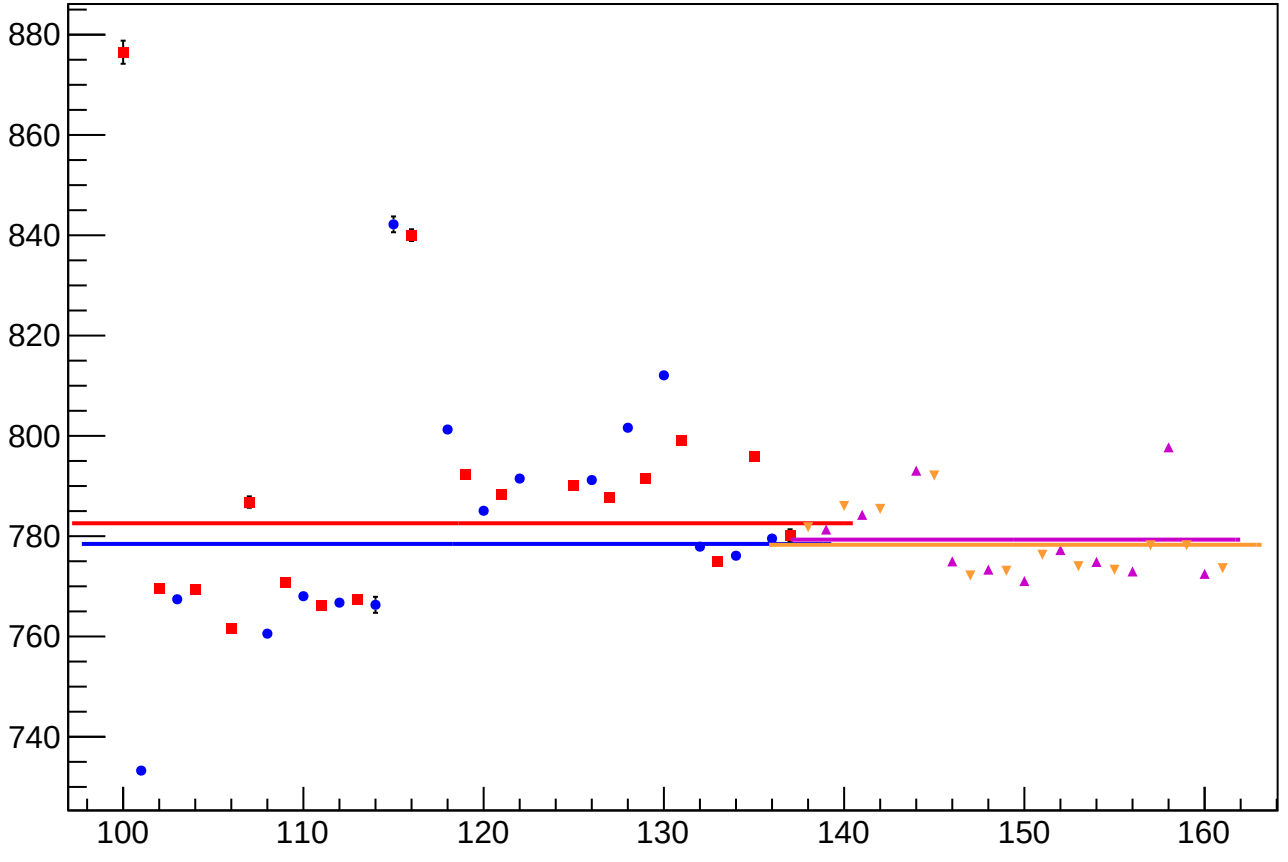
Left In: 407.661+/-252.064 χ^2/NDF:12.5/10

+ sign -262.031+/-189.903 χ^2/NDF: 19.6/27

All: -21.549+/-134.239 χ^2/NDF: 49.2/56

- sign 218.628+/-189.783 χ^2/NDF: 26.4/28

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 778.283+/-0.178 χ^2/NDF:1131.0/11

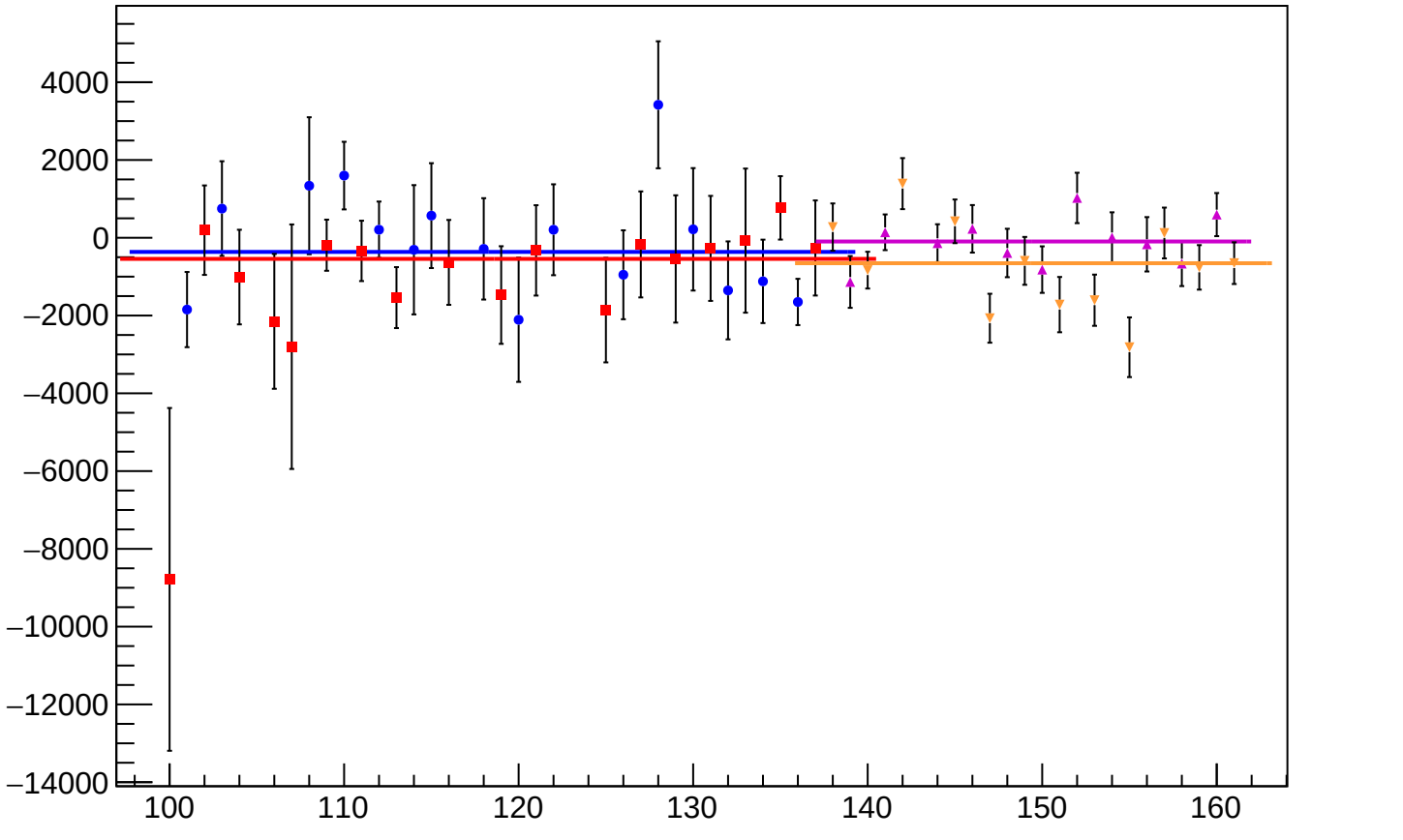
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 779.312+/-0.178 χ^2/NDF:2236.6/10

+ sign 778.358+/-0.134 χ^2/NDF: 12926.6/27

All: 779.542+/-0.095 χ^2/NDF: 22945.3/56

- sign 780.726+/-0.134 χ^2/NDF: 9863.2/28



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

Left Out: -654.427+/-174.890 χ^2/NDF:34.6/11

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

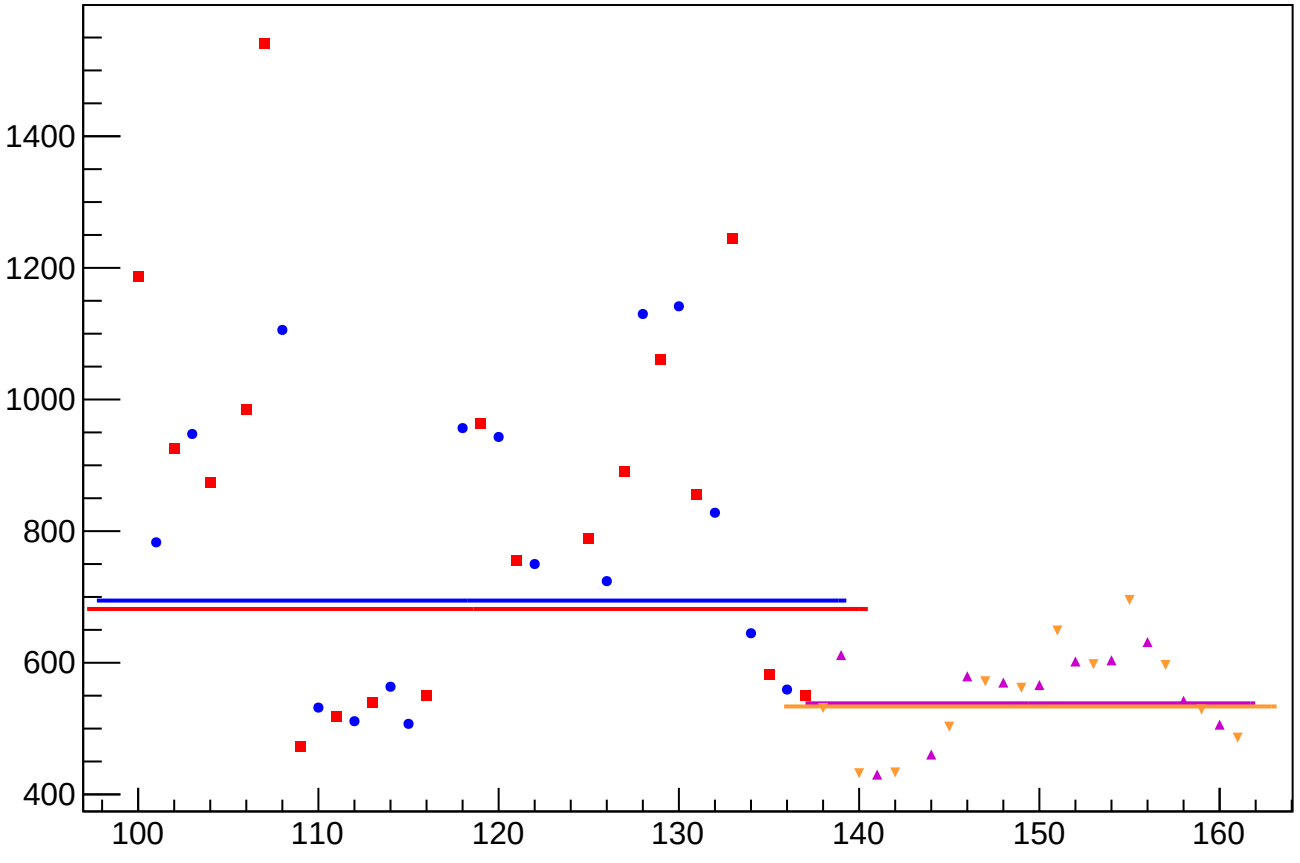
Left In: -95.974+/-175.834 χ^2/NDF:10.2/10

+ sign -568.272+/-146.677 χ^2/NDF: 58.8/27

All: -400.198+/-103.675 χ^2/NDF: 85.4/56

- sign -232.390+/-146.561 χ^2/NDF: 24.0/28

asym_us_dd_eigen_dit_correction_rms vs Slug



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

Left Out: 533.613+/-0.124 χ^2/NDF:351418.0/11

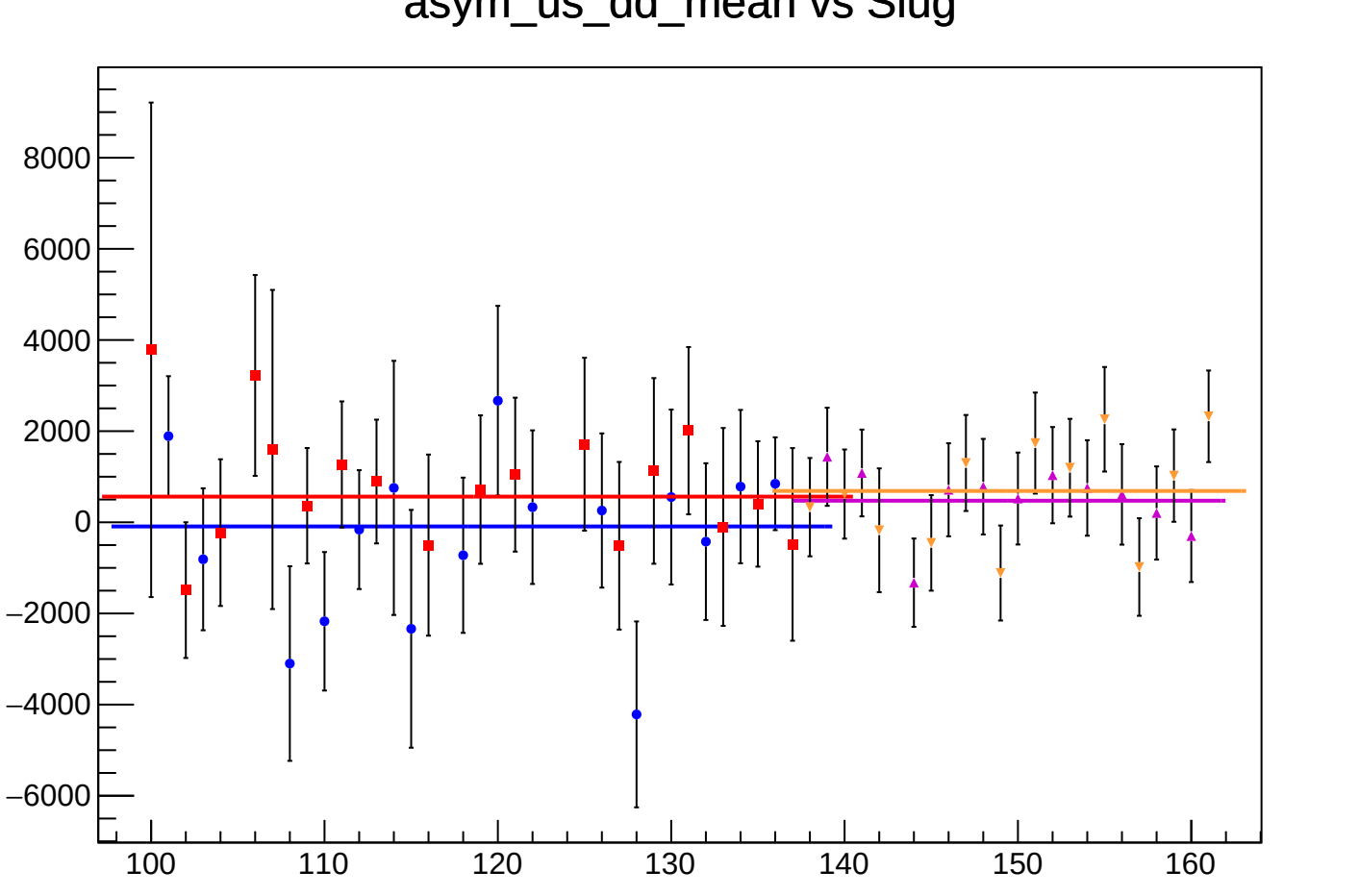
Right Out: 681.740+/-0.188 χ^2/NDF: 1311342.6/17

Left In: 538.355+/-0.124 χ^2/NDF:287256.5/10

+ sign 581.341+/-0.104 χ^2/NDF: 1883477.3/27

All: 581.732+/-0.073 χ^2/NDF: 3888066.3/56

- sign 582.123+/-0.104 χ^2/NDF: 2004560.5/28



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

Left Out: 687.770+/-309.213 χ^2/NDF:13.2/11

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

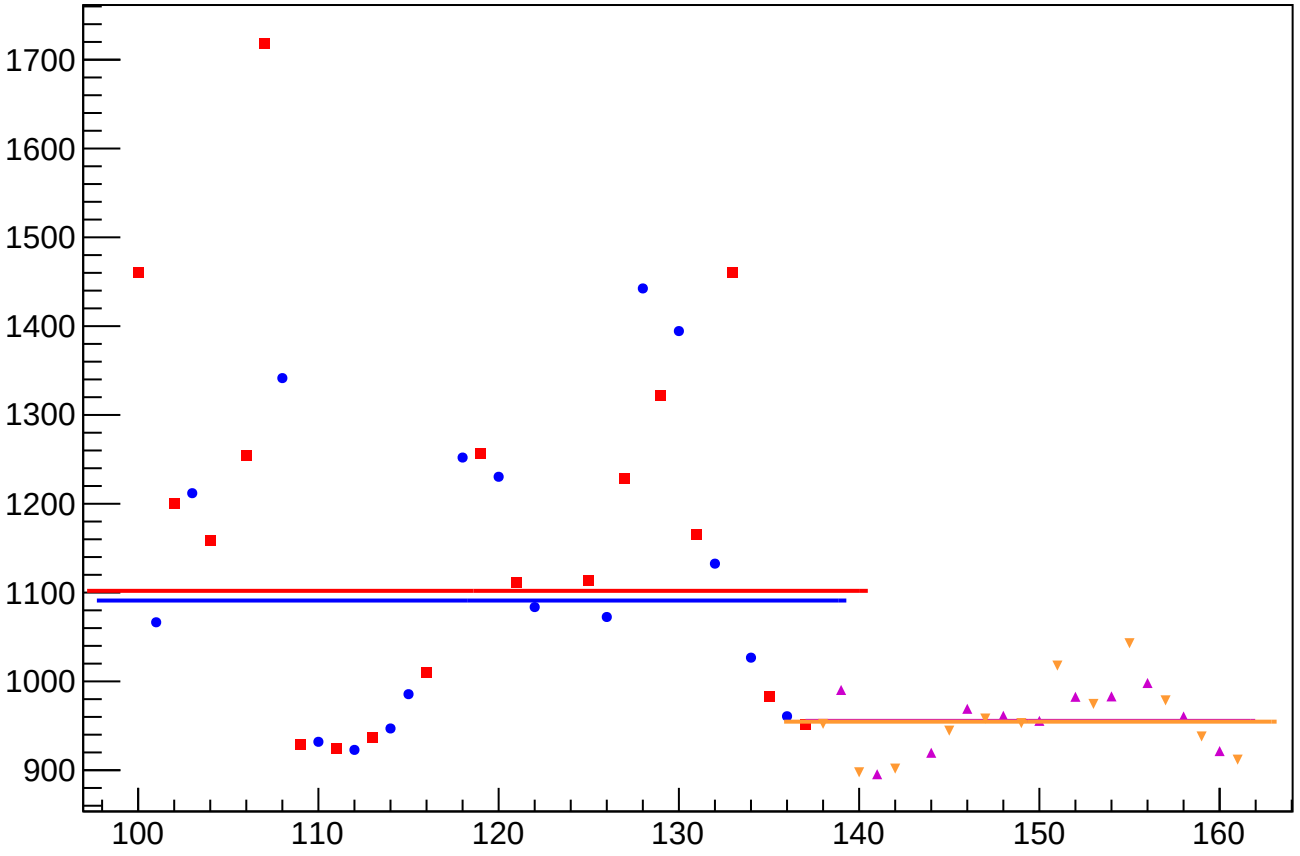
Left In: 473.537+/-309.299 χ^2/NDF:5.8/10

+ sign 405.267+/-246.865 χ^2/NDF: 30.1/27

All: 455.520+/-174.699 χ^2/NDF: 42.5/56

- sign 505.933+/-247.259 χ^2/NDF: 12.4/28

asym_us_dd_rms vs Slug



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

Left Out: 954.662+/-0.219 χ^2/NDF:34256.0/11

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

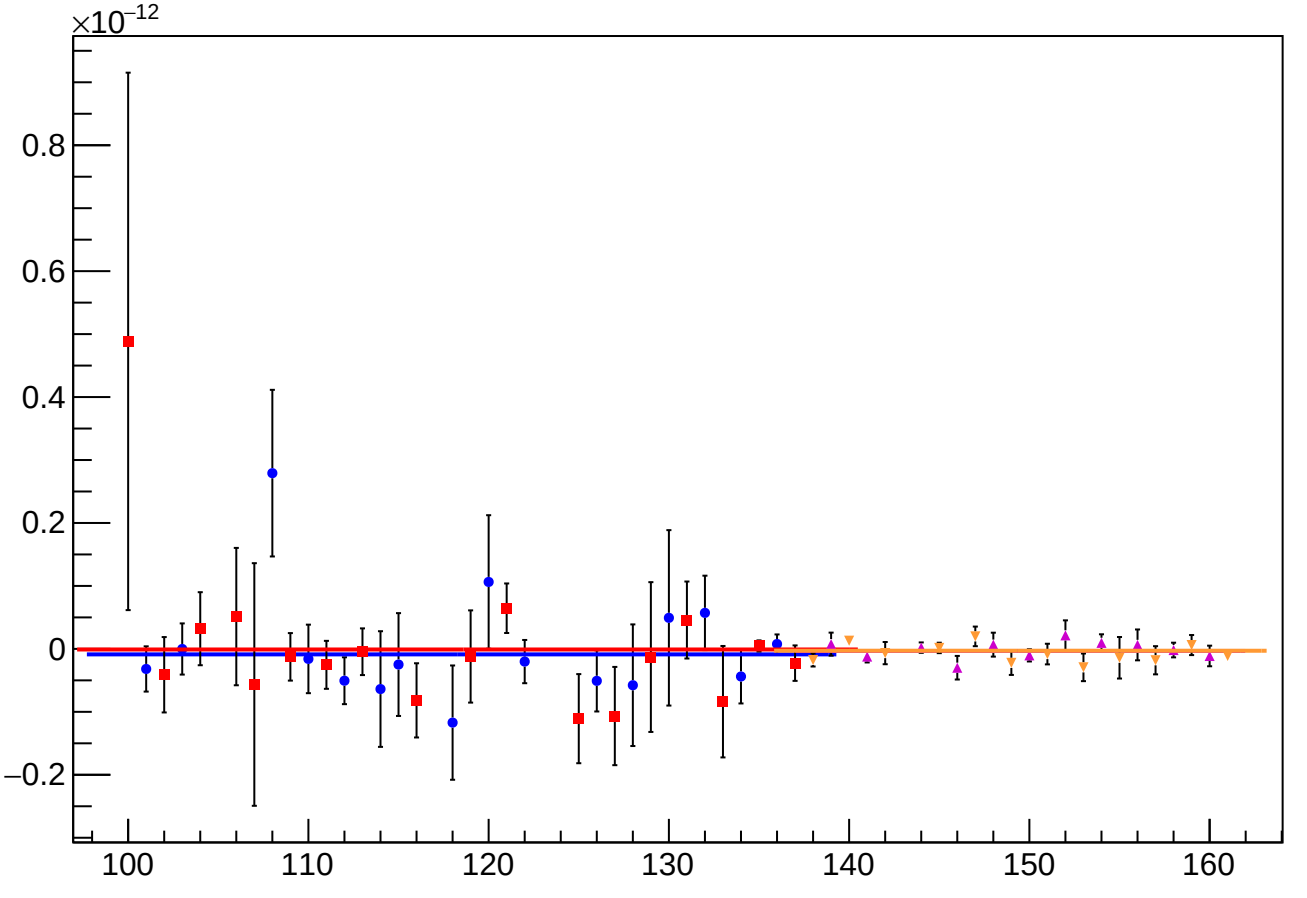
Left In: 955.539+/-0.219 χ^2/NDF:21229.1/10

+ sign 1004.115+/-0.175 χ^2/NDF: 452636.7/27

All: 1006.246+/-0.124 χ^2/NDF: 964029.8/56

- sign 1008.385+/-0.175 χ^2/NDF: 511094.4/28

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:13.4/11

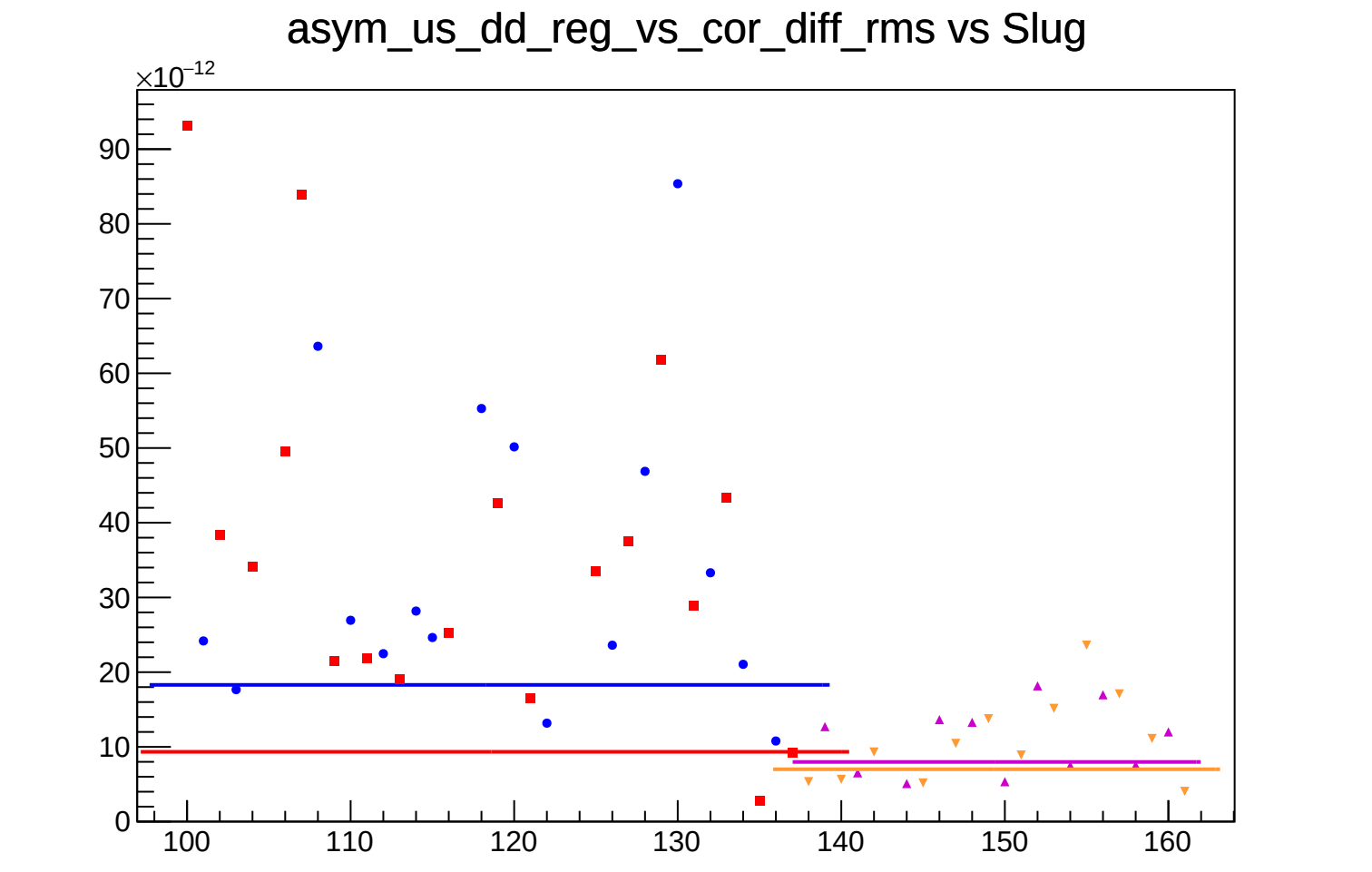
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: -0.000+/-0.000 χ^2/NDF:6.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 27.5/27

All: -0.000+/-0.000 χ^2/NDF: 48.8/56

- sign -0.000+/-0.000 χ^2/NDF: 21.3/28



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

Left Out: 0.000+/-0.000 χ^2/NDF:2243870.6/11

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

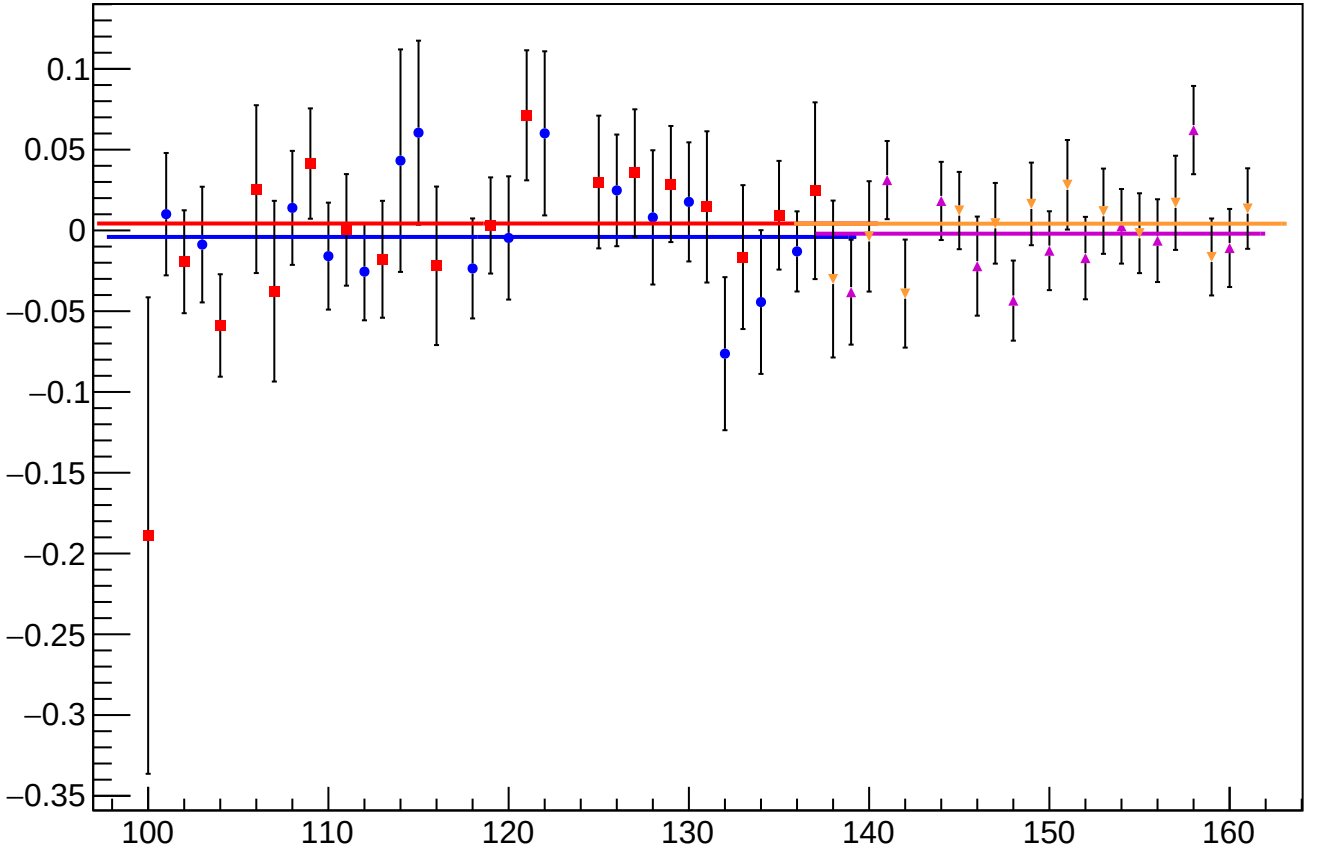
Left In: 0.000+/-0.000 χ^2/NDF:1674437.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 6663067.8/27

All: 0.000+/-0.000 χ^2/NDF: 13532310.5/56

- sign 0.000+/-0.000 χ^2/NDF: 6868565.8/28

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.004+/-0.008 χ^2/NDF:4.6/11

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

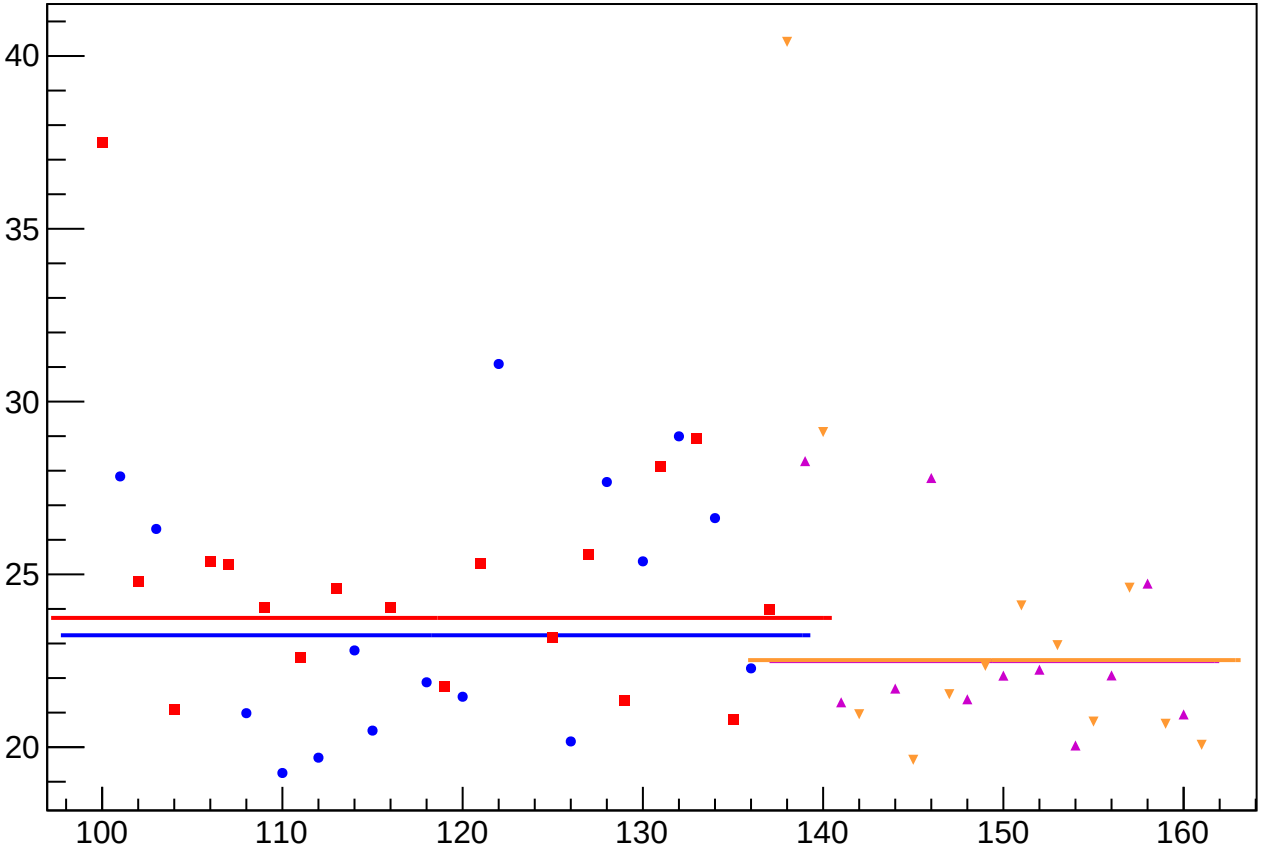
Left In: -0.002+/-0.008 χ^2/NDF:13.3/10

+ sign 0.001+/-0.006 χ^2/NDF: 14.2/27

All: 0.001+/-0.004 χ^2/NDF: 41.3/56

- sign 0.001+/-0.006 χ^2/NDF: 27.1/28

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 22.519+/-0.006 χ^2/NDF:441788.3/11

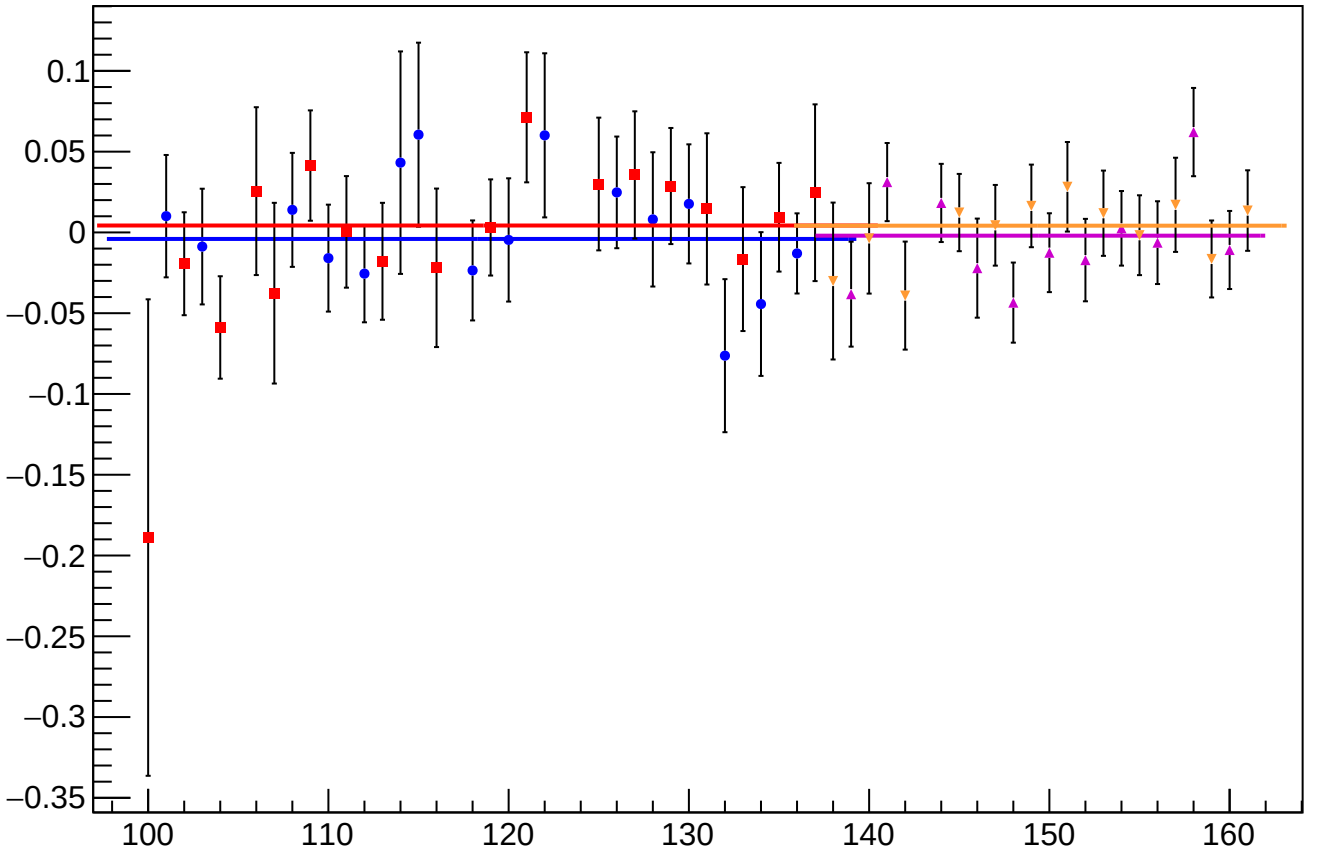
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 22.490+/-0.005 χ^2/NDF:179468.2/10

+ sign 22.822+/-0.004 χ^2/NDF: 707990.4/27

All: 22.912+/-0.003 χ^2/NDF: 1035846.2/56

- sign 23.000+/-0.004 χ^2/NDF: 326971.2/28



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

Left Out: 0.004+/-0.008 χ^2/NDF:4.6/11

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

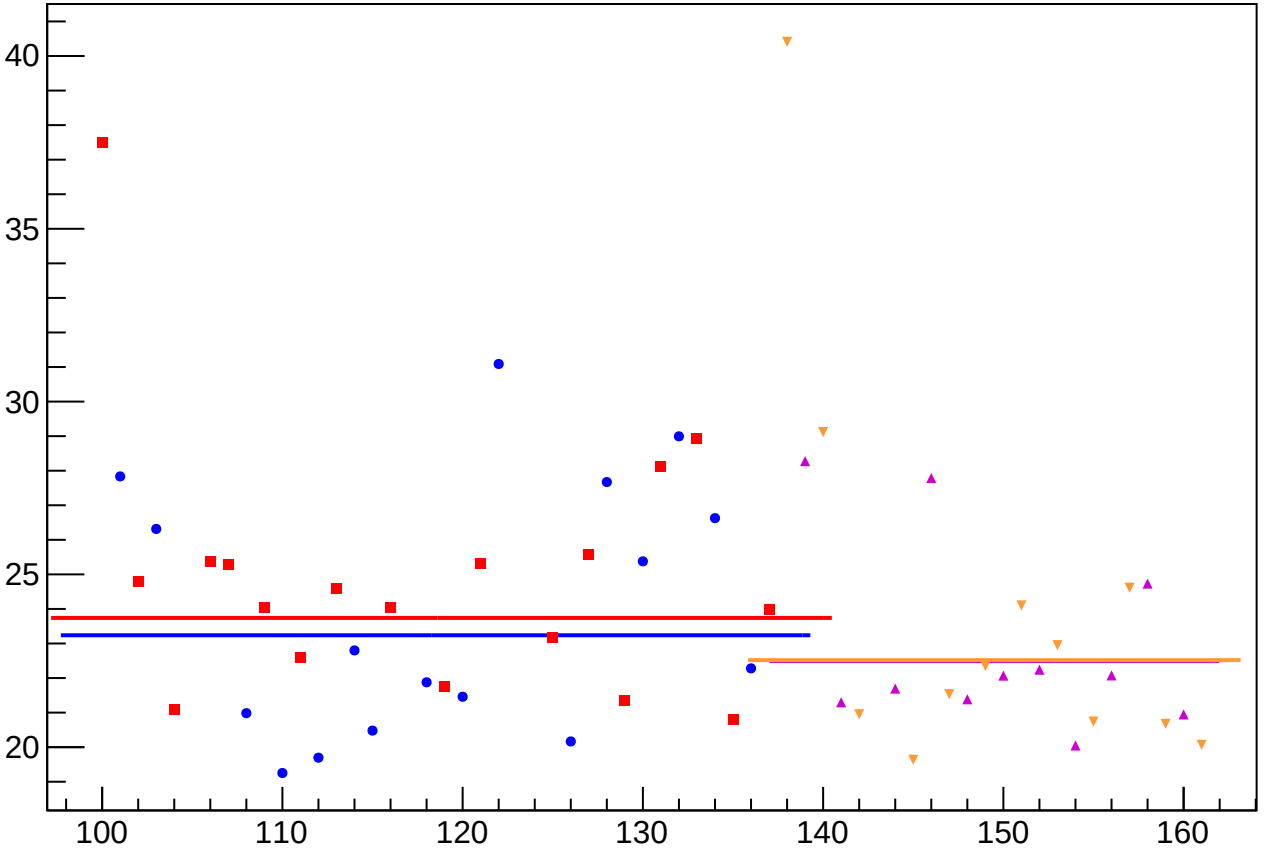
Left In: -0.002+/-0.008 χ^2/NDF:13.3/10

+ sign 0.001+/-0.006 χ^2/NDF: 14.2/27

All: 0.001+/-0.004 χ^2/NDF: 41.3/56

- sign 0.001+/-0.006 χ^2/NDF: 27.1/28

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 22.519+/-0.006 χ^2/NDF:441788.3/11

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

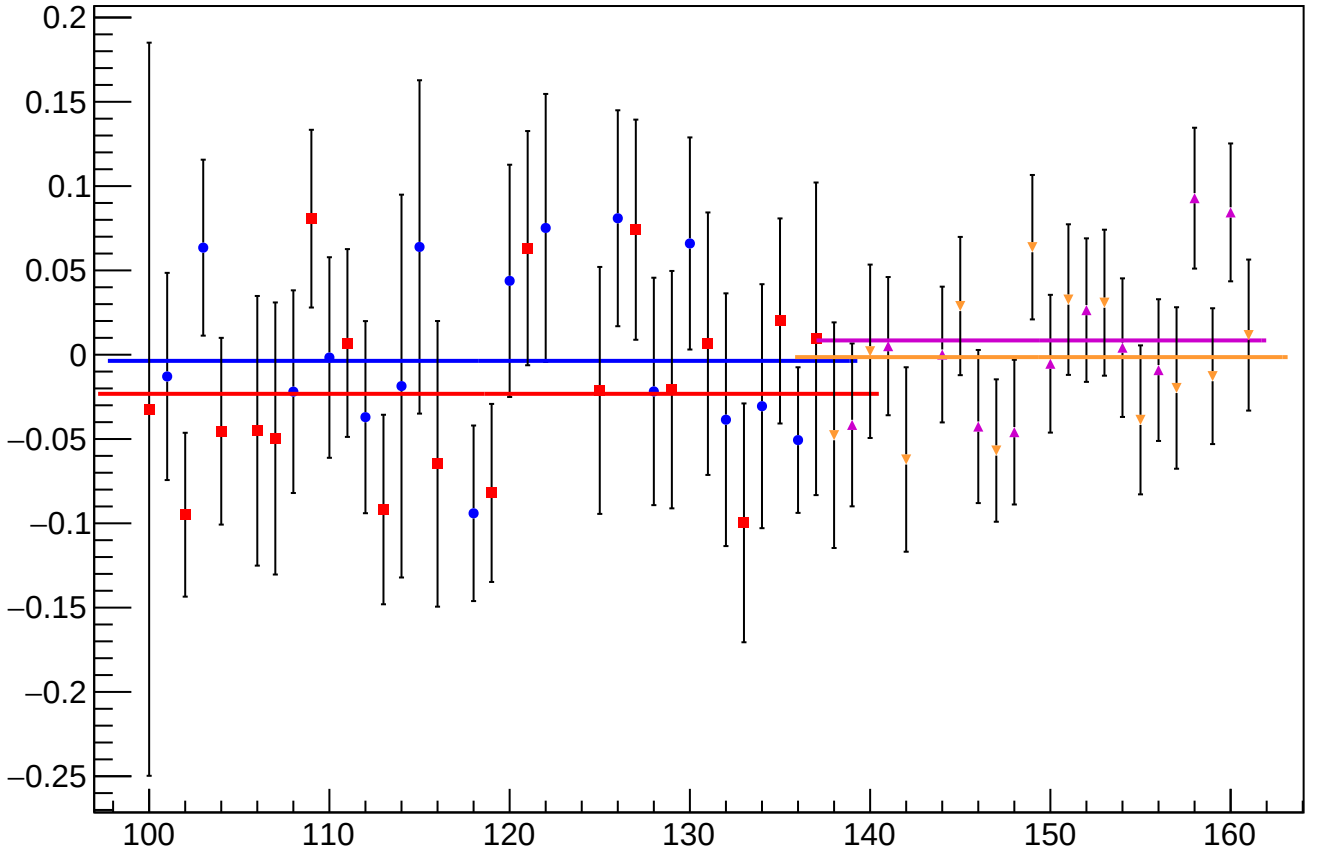
Left In: 22.490+/-0.005 χ^2/NDF:179468.2/10

+ sign 22.822+/-0.004 χ^2/NDF: 707990.4/27

All: 22.912+/-0.003 χ^2/NDF: 1035846.2/56

- sign 23.000+/-0.004 χ^2/NDF: 326971.2/28

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.001+/-0.013 χ^2/NDF:8.5/11

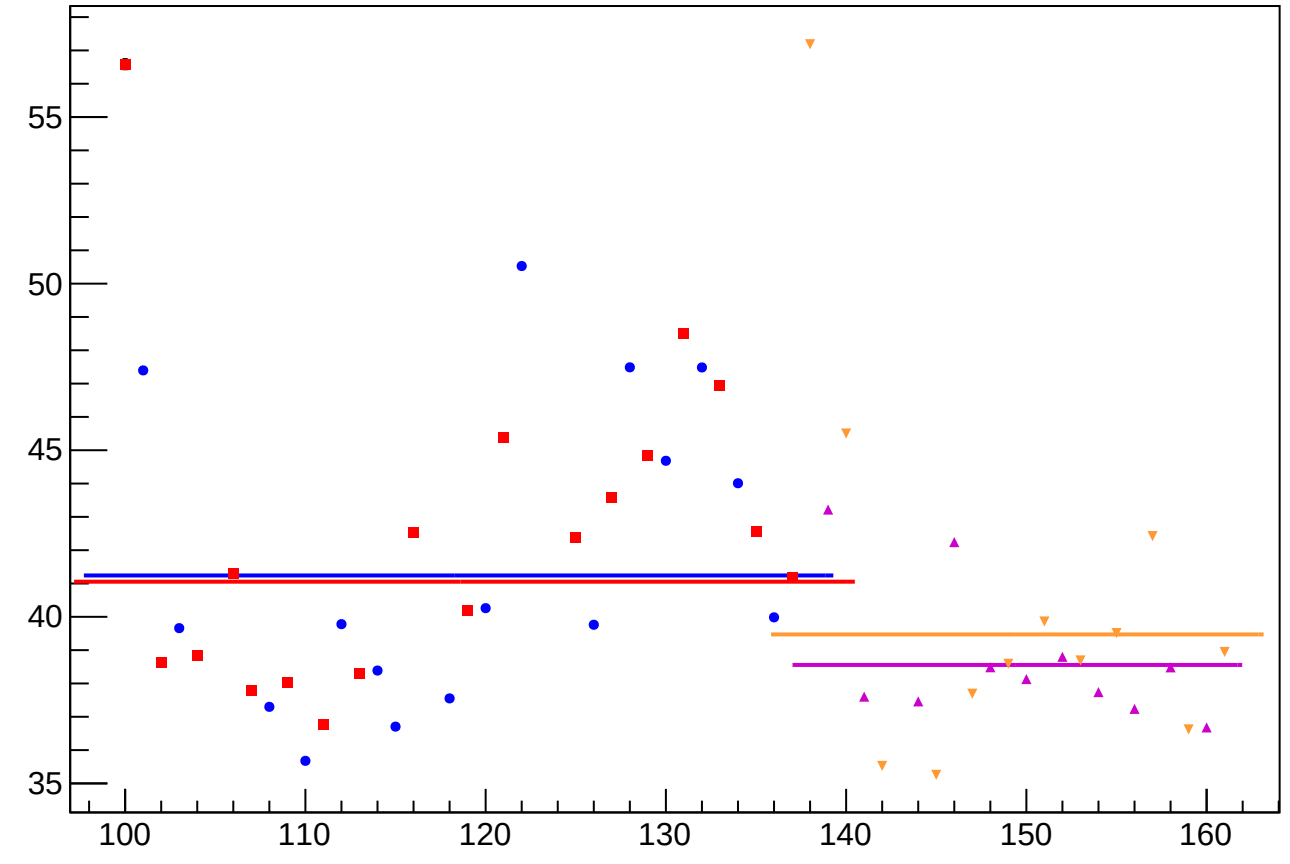
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: 0.008+/-0.013 χ^2/NDF:12.0/10

+ sign -0.002+/-0.010 χ^2/NDF: 20.1/27

All: -0.003+/-0.007 χ^2/NDF: 50.0/56

- sign -0.004+/-0.010 χ^2/NDF: 29.9/28



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

Left Out: 39.472+/-0.009 χ^2/NDF:222307.1/11

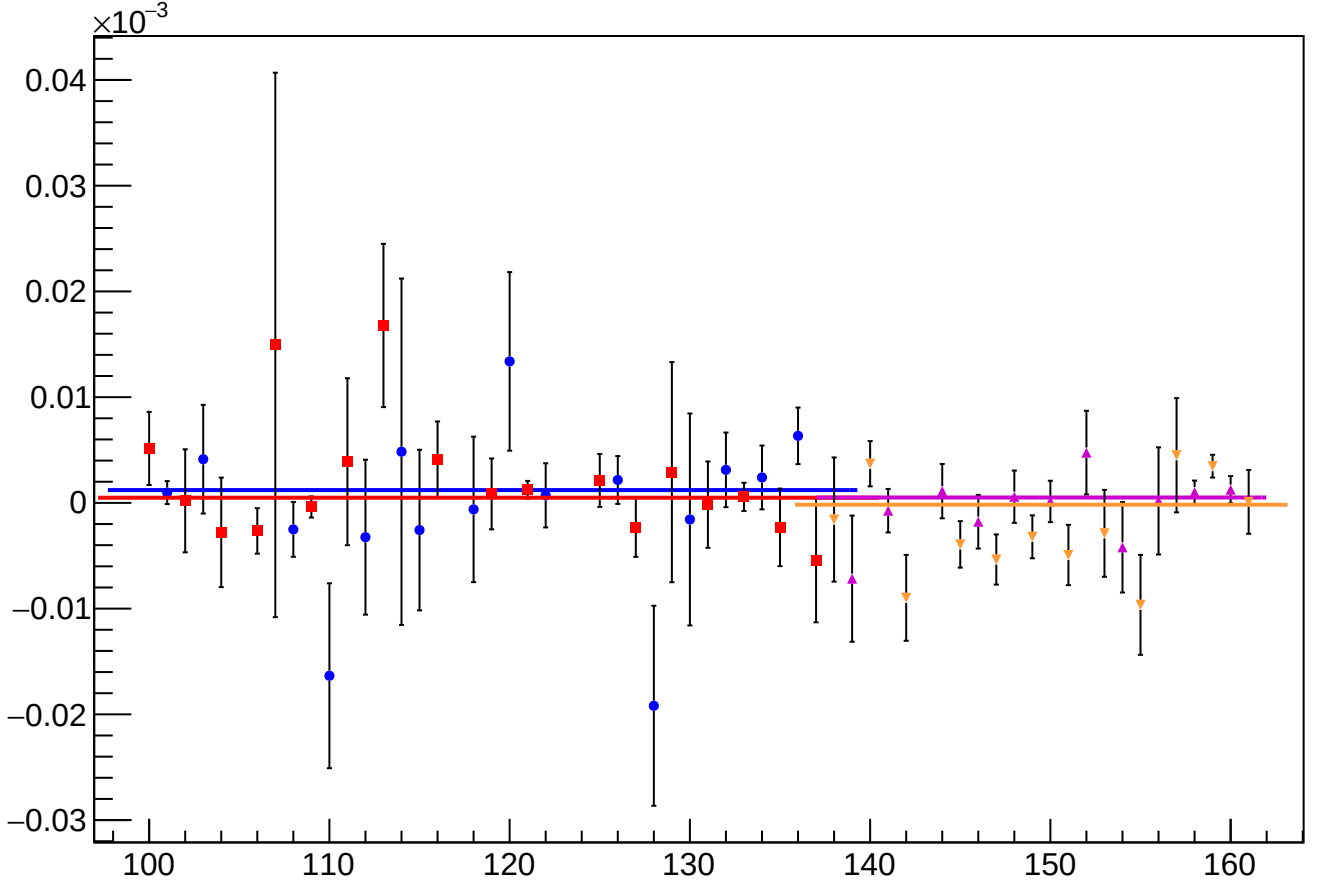
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 38.556+/-0.009 χ^2/NDF:41625.6/10

\+ sign 40.203+/-0.007 χ^2/NDF: 372434.3/27

All: 39.875+/-0.005 χ^2/NDF: 545709.8/56

\- sign 39.564+/-0.007 χ^2/NDF: 169175.7/28



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

Left Out: -0.000+/-0.000 χ^2/NDF:37.4/11

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

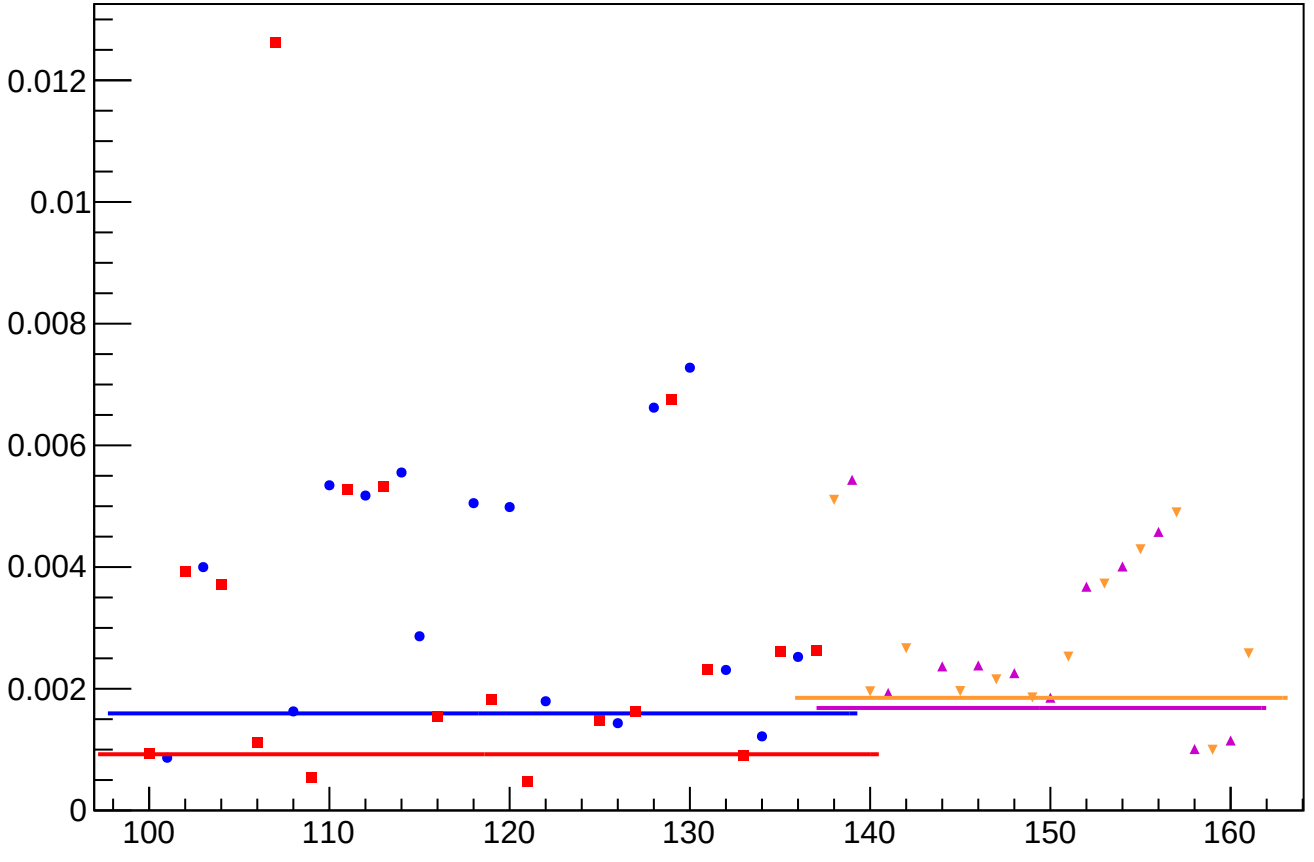
Left In: 0.000+/-0.000 χ^2/NDF:5.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 57.6/27

All: 0.000+/-0.000 χ^2/NDF: 78.4/56

- sign 0.000+/-0.000 χ^2/NDF: 20.8/28

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:3805212.5/11

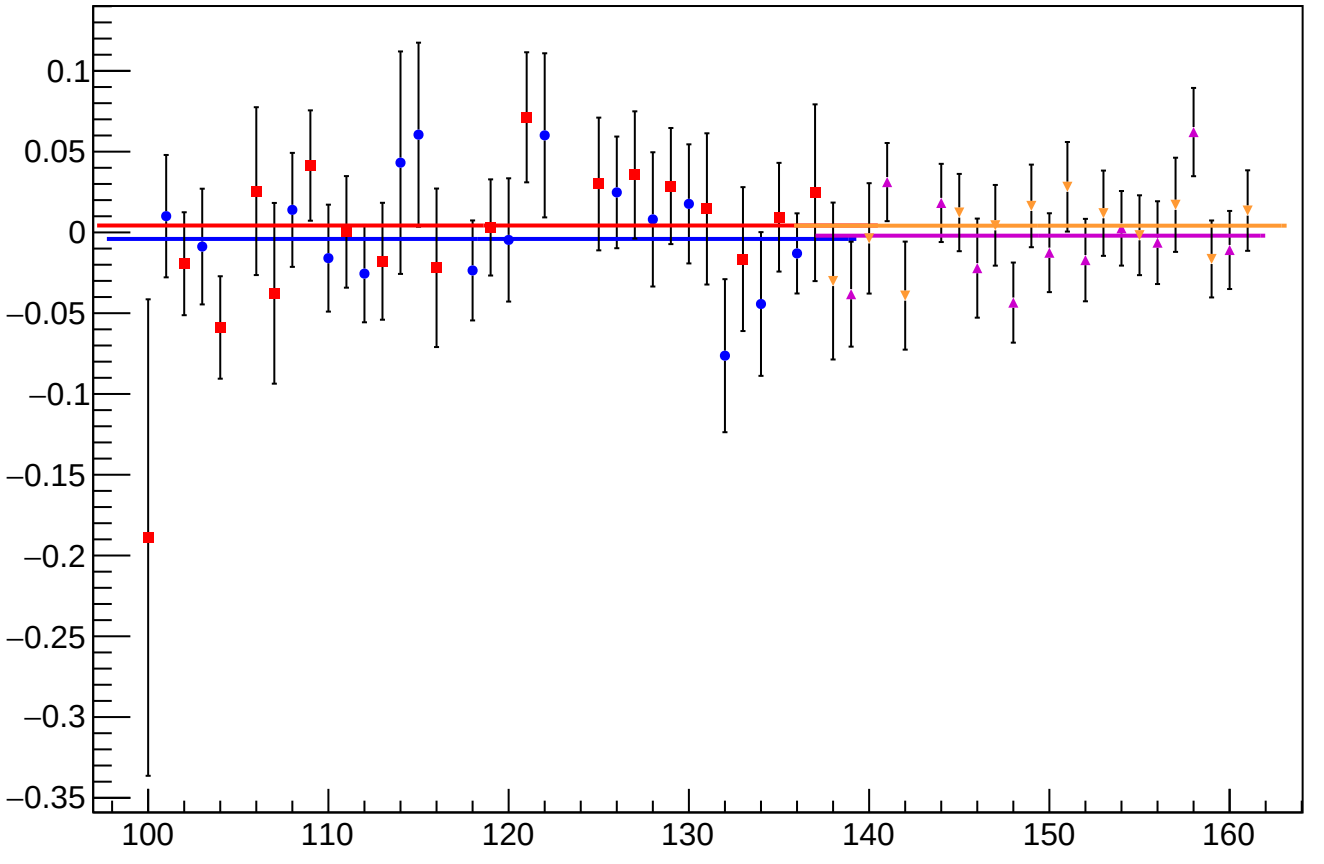
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:4080219.6/10

+ sign 0.002+/-0.000 χ^2/NDF: 8695014.6/27

All: 0.001+/-0.000 χ^2/NDF: 21693702.1/56

- sign 0.001+/-0.000 χ^2/NDF: 11684557.0/28



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

Left Out: 0.004+/-0.008 χ^2/NDF:4.6/11

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

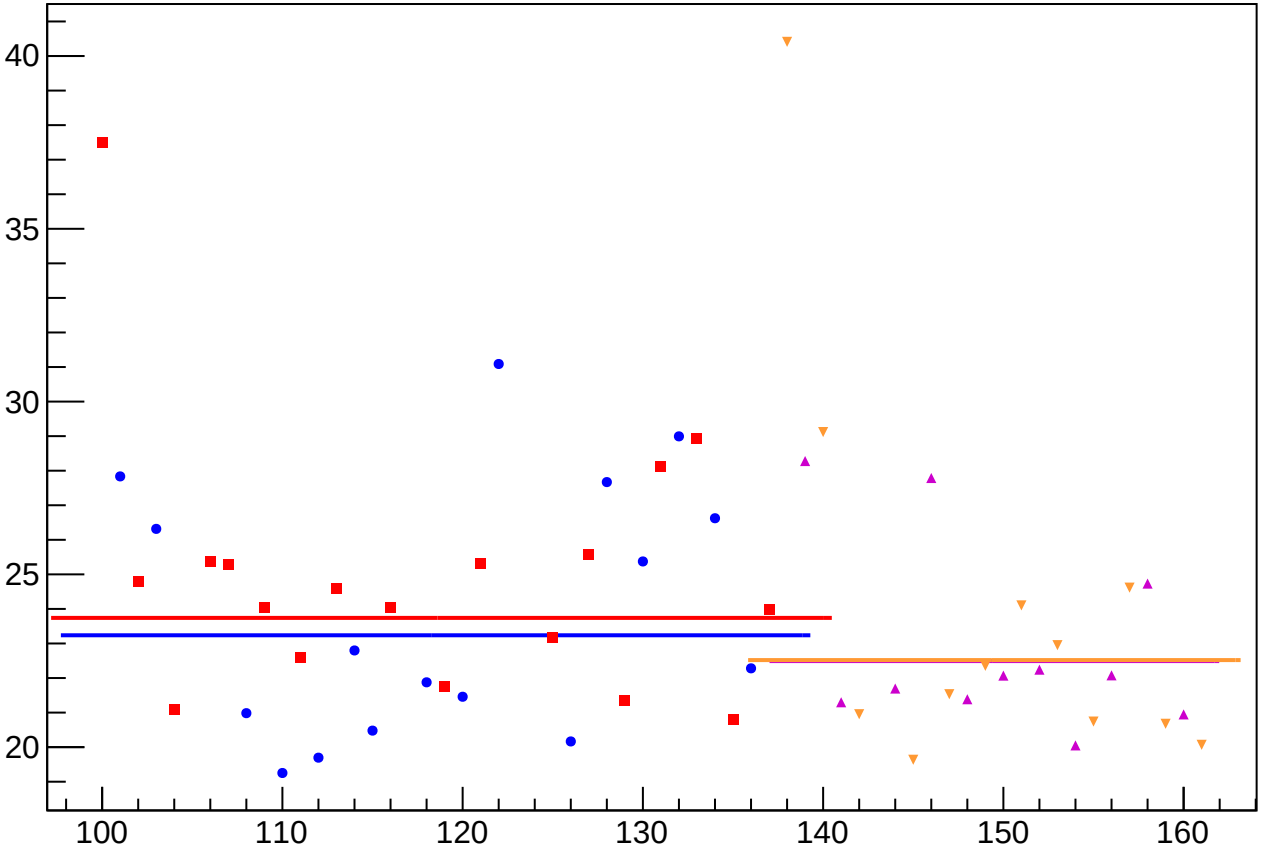
Left In: -0.002+/-0.008 χ^2/NDF:13.3/10

+ sign 0.001+/-0.006 χ^2/NDF: 14.2/27

All: 0.001+/-0.004 χ^2/NDF: 41.3/56

- sign 0.001+/-0.006 χ^2/NDF: 27.1/28

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: 22.519+/-0.006 χ^2/NDF:441816.3/11

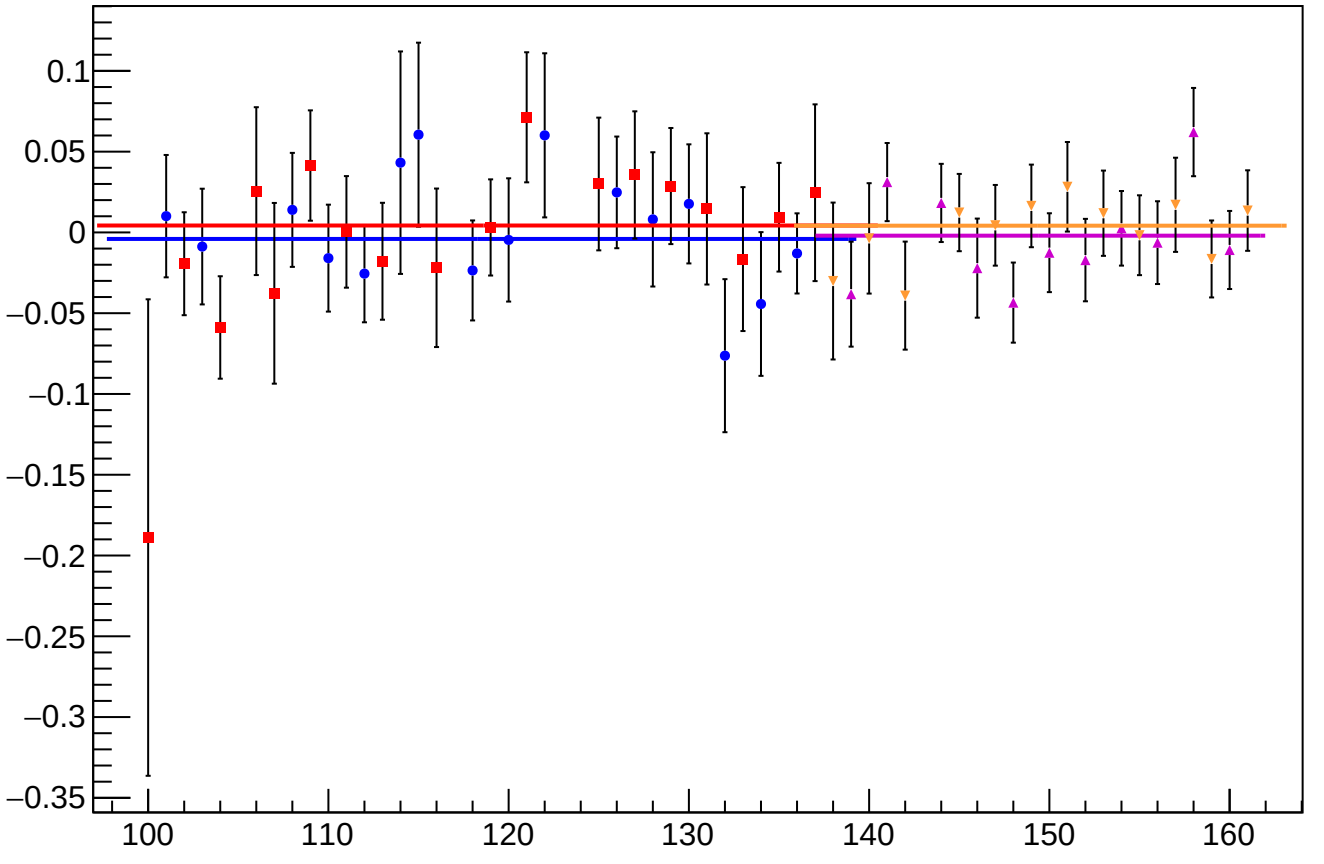
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.491+/-0.005 χ^2/NDF:179442.4/10

+ sign 22.822+/-0.004 χ^2/NDF: 707992.8/27

All: 22.912+/-0.003 χ^2/NDF: 1035773.3/56

- sign 23.001+/-0.004 χ^2/NDF: 326890.8/28



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

Left Out: 0.004+/-0.008 χ^2/NDF:4.6/11

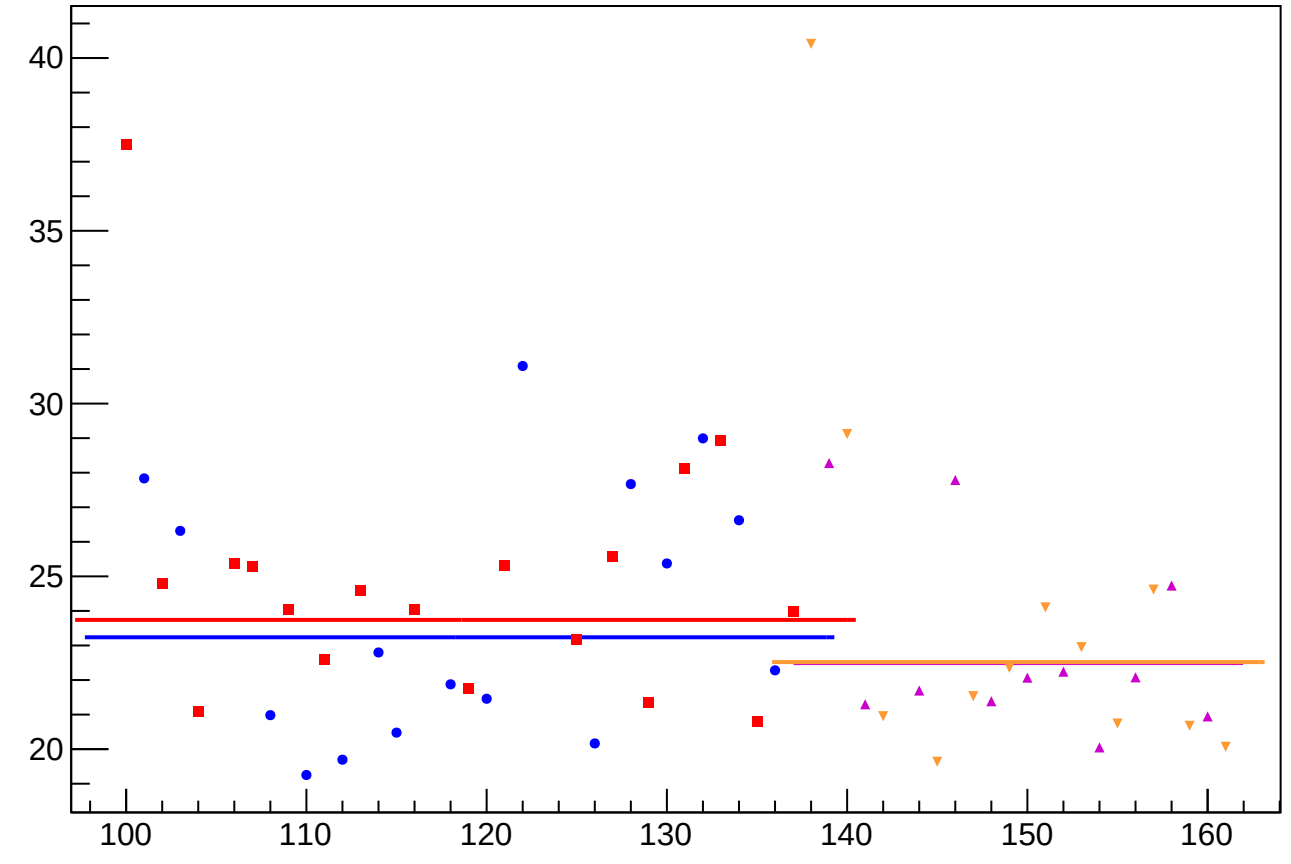
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.002+/-0.008 χ^2/NDF:13.3/10

+ sign 0.001+/-0.006 χ^2/NDF: 14.2/27

All: 0.001+/-0.004 χ^2/NDF: 41.3/56

- sign 0.001+/-0.006 χ^2/NDF: 27.1/28



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

Left Out: 22.519+/-0.006 χ^2/NDF:441816.3/11

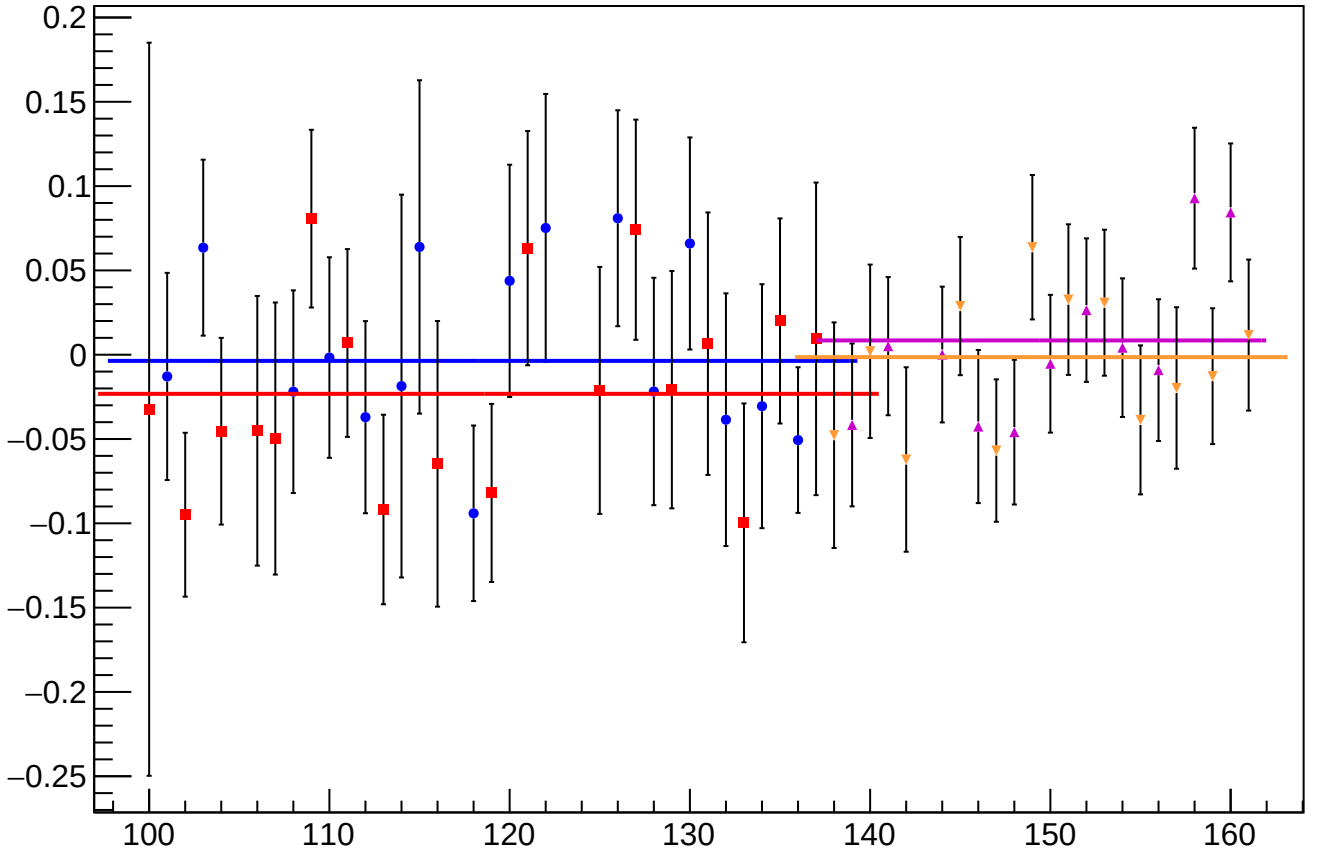
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.491+/-0.005 χ^2/NDF:179442.4/10

+ sign 22.822+/-0.004 χ^2/NDF: 707992.8/27

All: 22.912+/-0.003 χ^2/NDF: 1035773.3/56

- sign 23.001+/-0.004 χ^2/NDF: 326890.8/28



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

Left Out: -0.001+/-0.013 χ^2/NDF:8.5/11

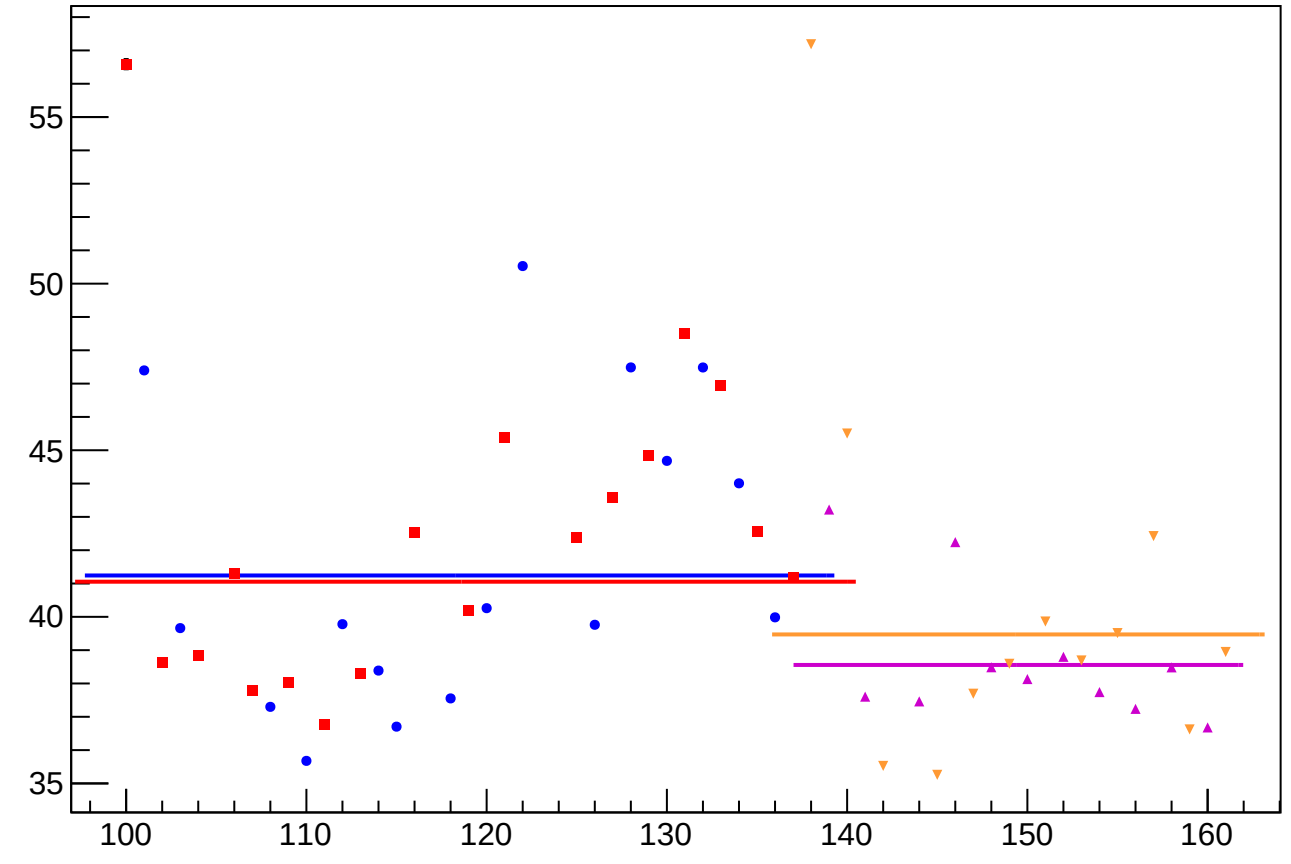
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: 0.008+/-0.013 χ^2/NDF:12.0/10

+ sign -0.002+/-0.010 χ^2/NDF: 20.1/27

All: -0.003+/-0.007 χ^2/NDF: 50.0/56

- sign -0.004+/-0.010 χ^2/NDF: 29.9/28



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

Left Out: 39.472+/-0.009 χ^2/NDF:222311.7/11

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

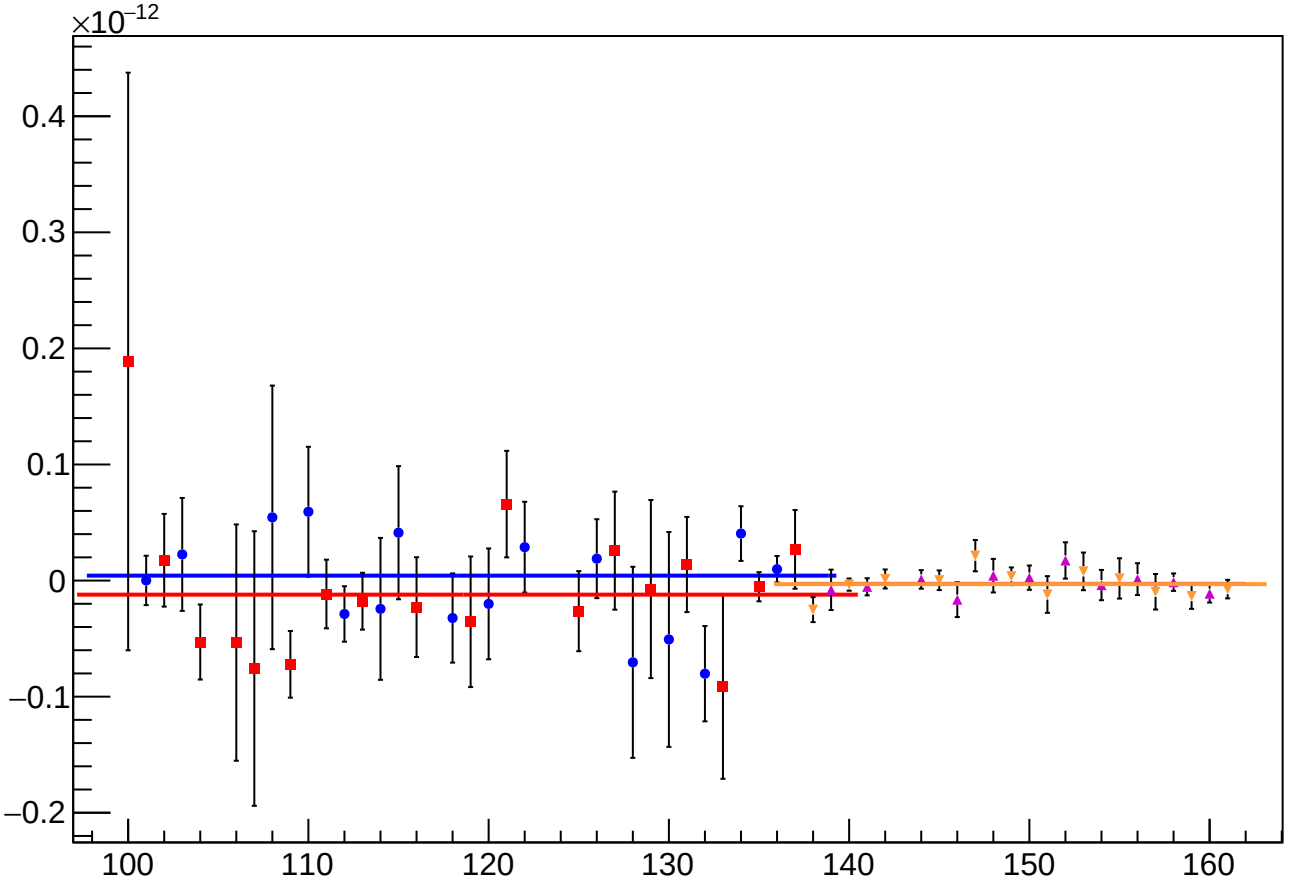
Left In: 38.556+/-0.009 χ^2/NDF:41628.9/10

\+ sign 40.203+/-0.007 χ^2/NDF: 372411.5/27

All: 39.875+/-0.005 χ^2/NDF: 545673.7/56

\- sign 39.564+/-0.007 χ^2/NDF: 169163.9/28

asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/11

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

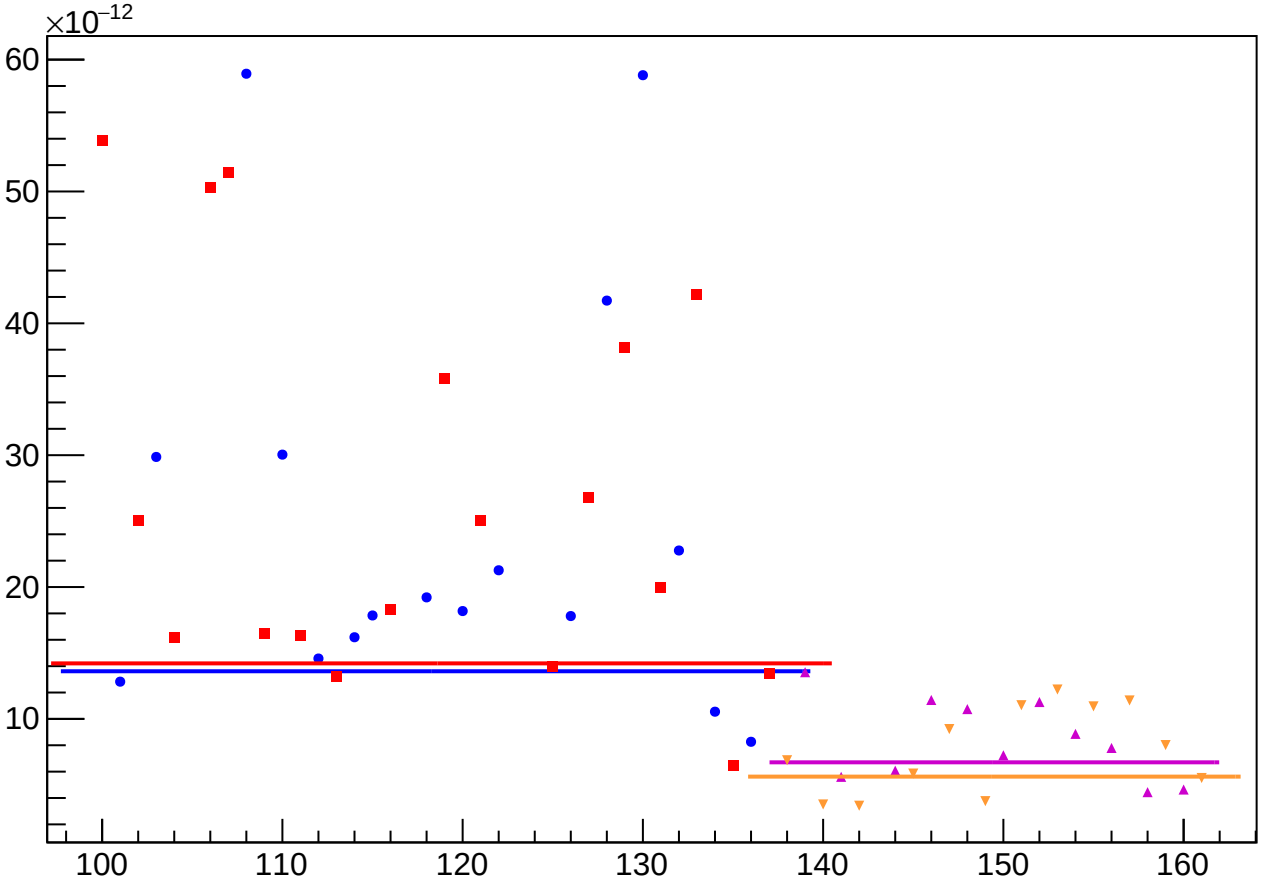
Left In: -0.000+/-0.000 χ^2/NDF:4.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 25.5/27

All: -0.000+/-0.000 χ^2/NDF: 46.2/56

- sign -0.000+/-0.000 χ^2/NDF: 20.5/28

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:1891519.5/11

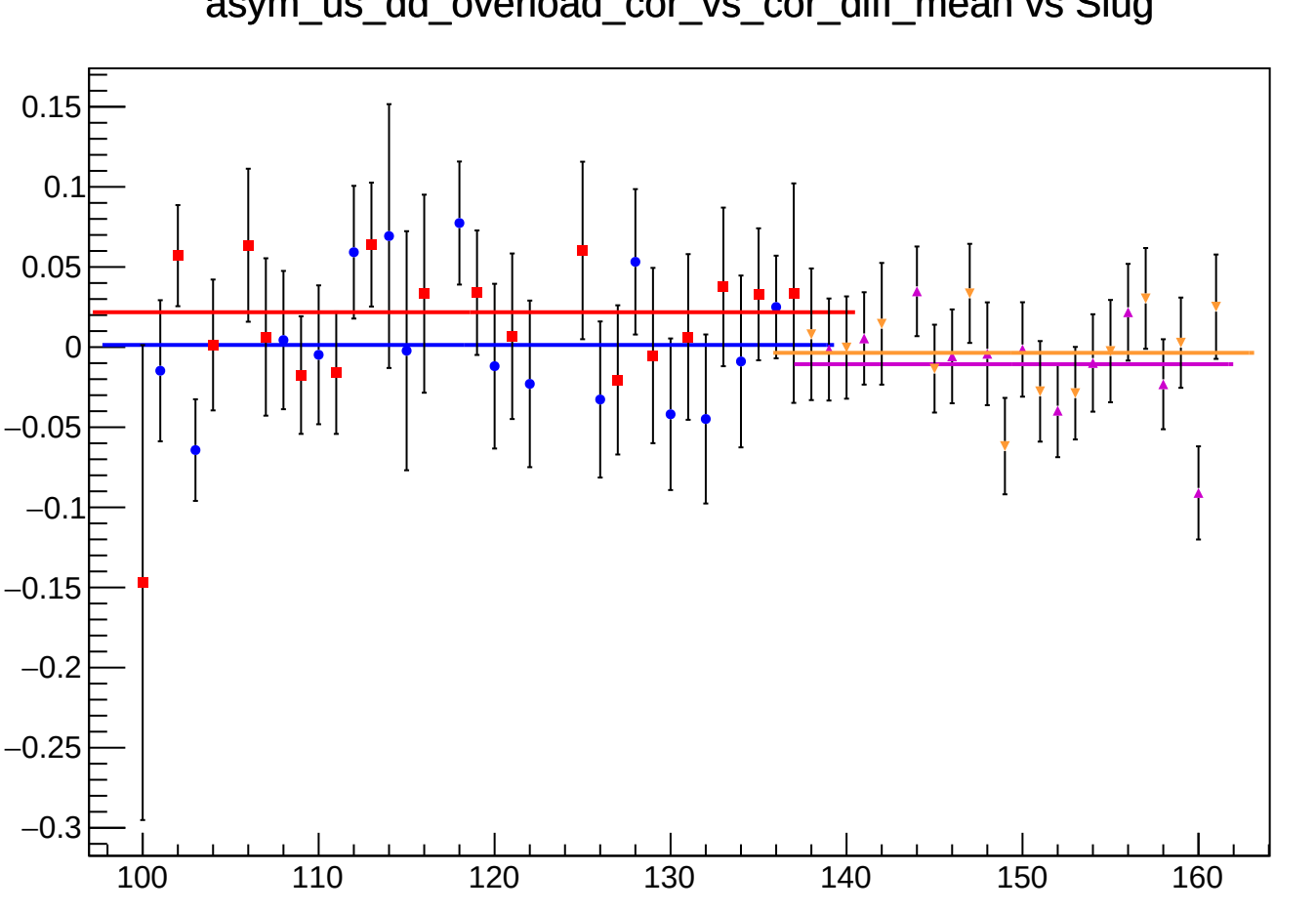
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1288964.4/10

\+ sign 0.000+/-0.000 χ^2/NDF: 6146150.8/27

All: 0.000+/-0.000 χ^2/NDF: 11690128.3/56

\- sign 0.000+/-0.000 χ^2/NDF: 5366093.8/28



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

Left Out: -0.004+/-0.009 χ^2/NDF:9.0/11

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

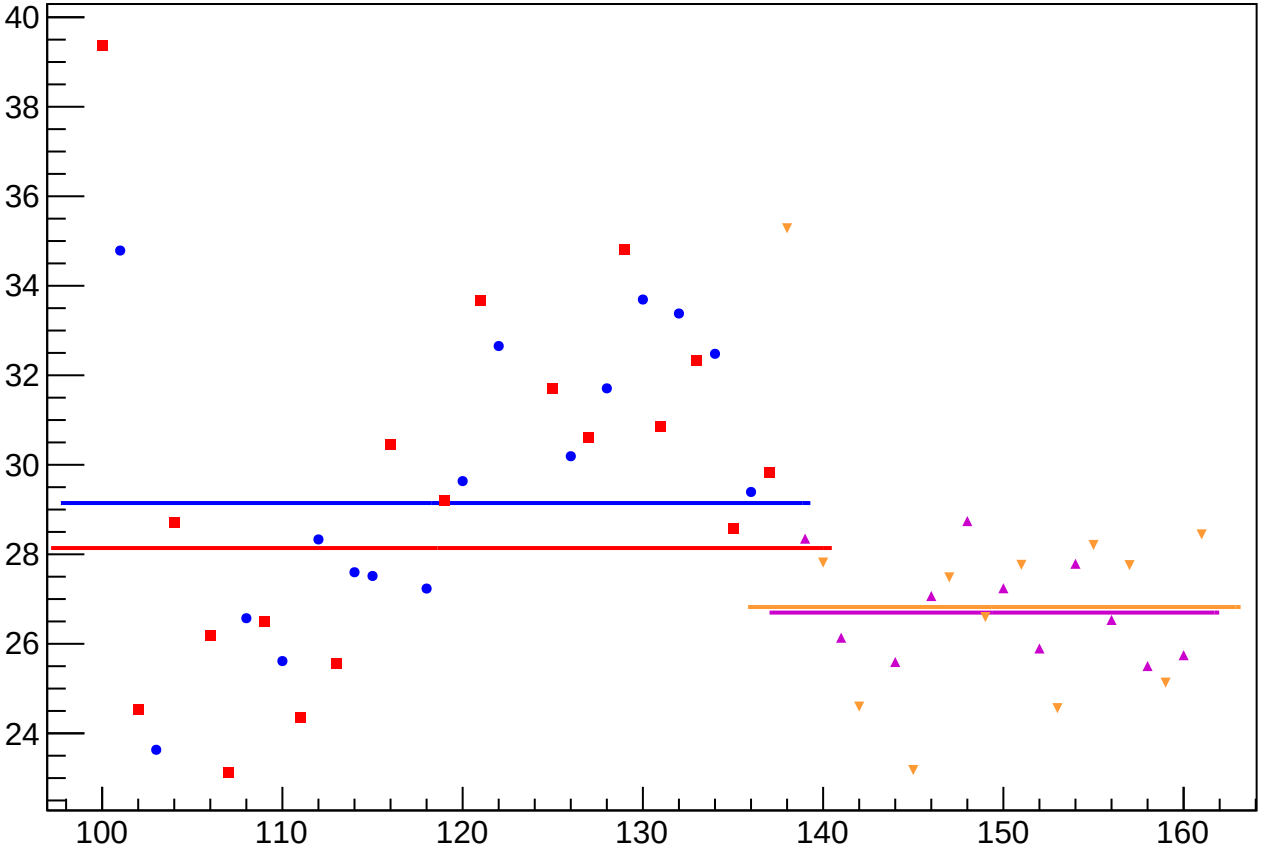
Left In: -0.011+/-0.009 χ^2/NDF:13.2/10

+ sign -0.002+/-0.007 χ^2/NDF: 24.4/27

All: 0.001+/-0.005 χ^2/NDF: 52.1/56

- sign 0.003+/-0.007 χ^2/NDF: 27.6/28

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 26.822+/-0.006 χ^2/NDF:161798.9/11

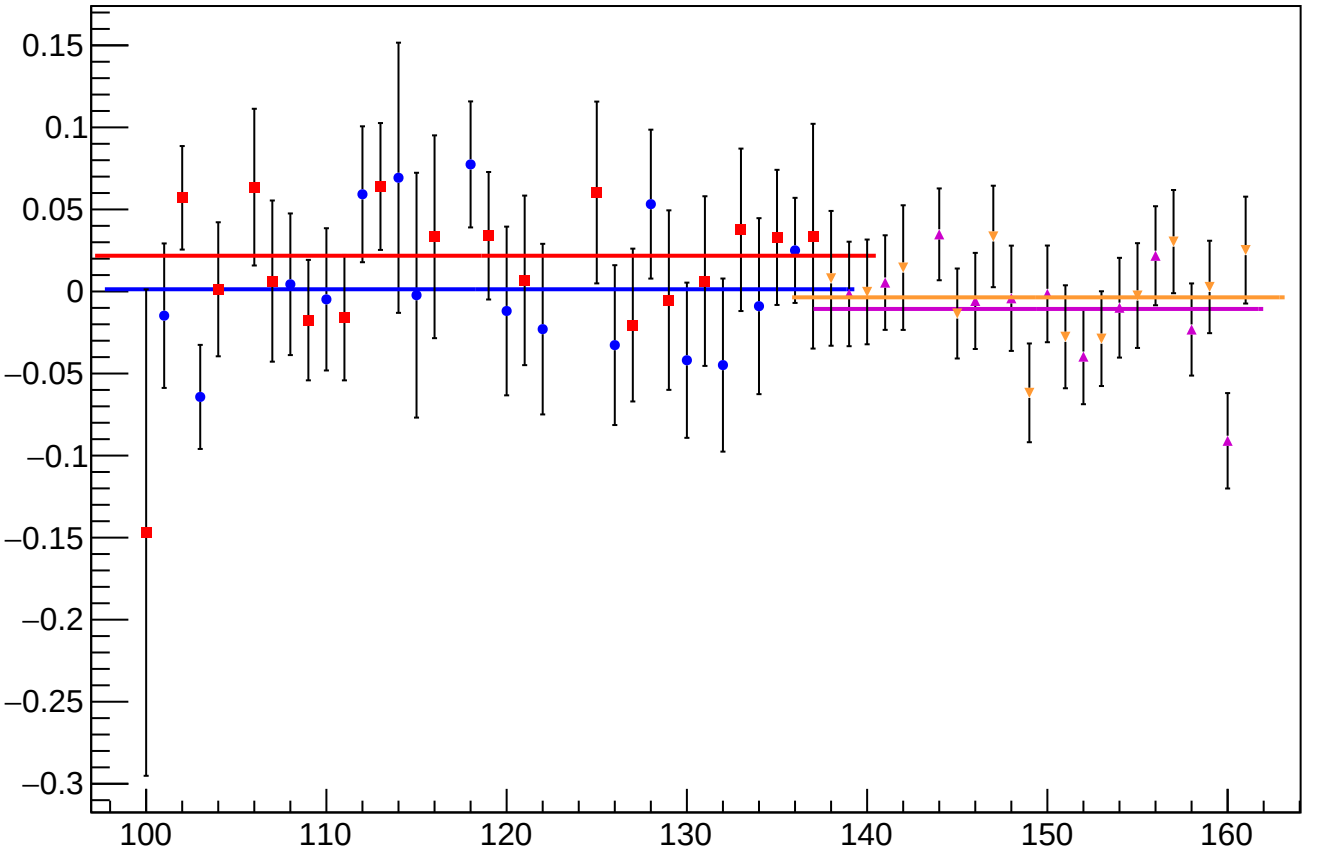
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 26.698+/-0.006 χ^2/NDF:28314.8/10

+ sign 27.741+/-0.005 χ^2/NDF: 390609.9/27

All: 27.506+/-0.003 χ^2/NDF: 631603.6/56

- sign 27.284+/-0.005 χ^2/NDF: 236679.6/28



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

Left Out: -0.004+/-0.009 χ^2/NDF:9.0/11

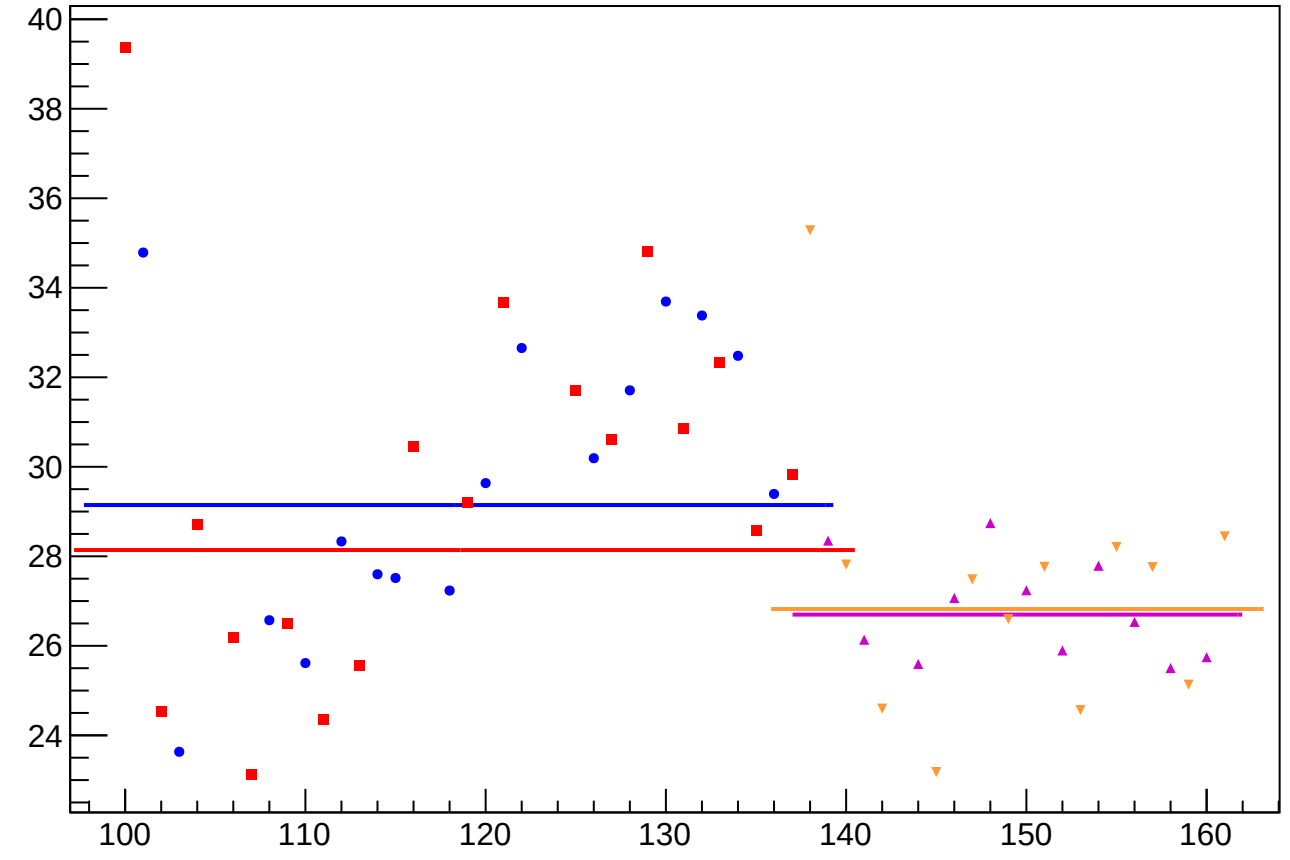
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.011+/-0.009 χ^2/NDF:13.2/10

+ sign -0.002+/-0.007 χ^2/NDF: 24.4/27

All: 0.001+/-0.005 χ^2/NDF: 52.1/56

- sign 0.003+/-0.007 χ^2/NDF: 27.6/28



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

Left Out: 26.822+/-0.006 χ^2/NDF:161798.9/11

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

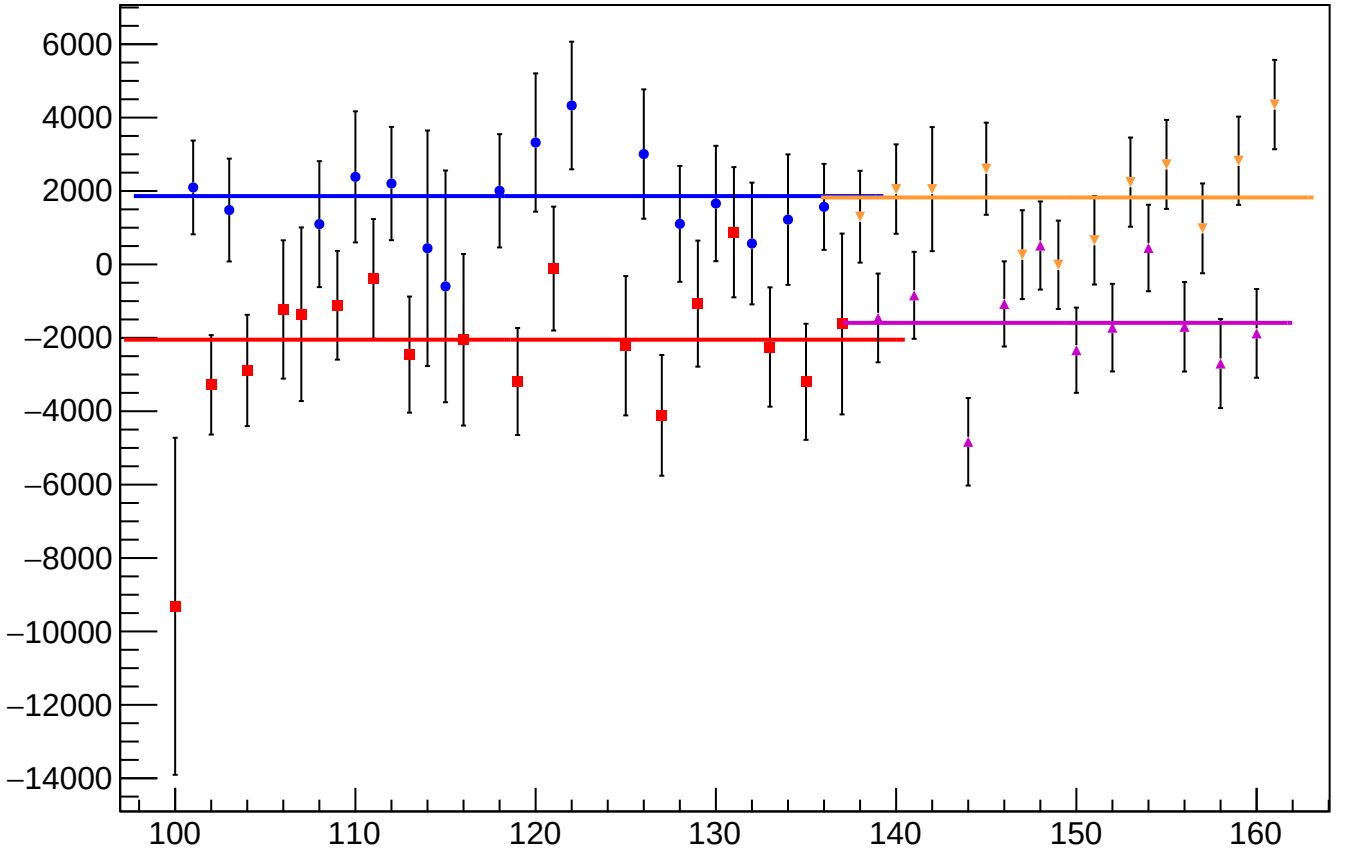
Left In: 26.698+/-0.006 χ^2/NDF:28314.8/10

\+ sign 27.741+/-0.005 χ^2/NDF: 390609.9/27

All: 27.506+/-0.003 χ^2/NDF: 631603.6/56

\- sign 27.284+/-0.005 χ^2/NDF: 236679.6/28

reg_asym_usl_mean vs Slug



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

Left Out: 1824.197+/-359.179 χ^2/NDF:11.7/11

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

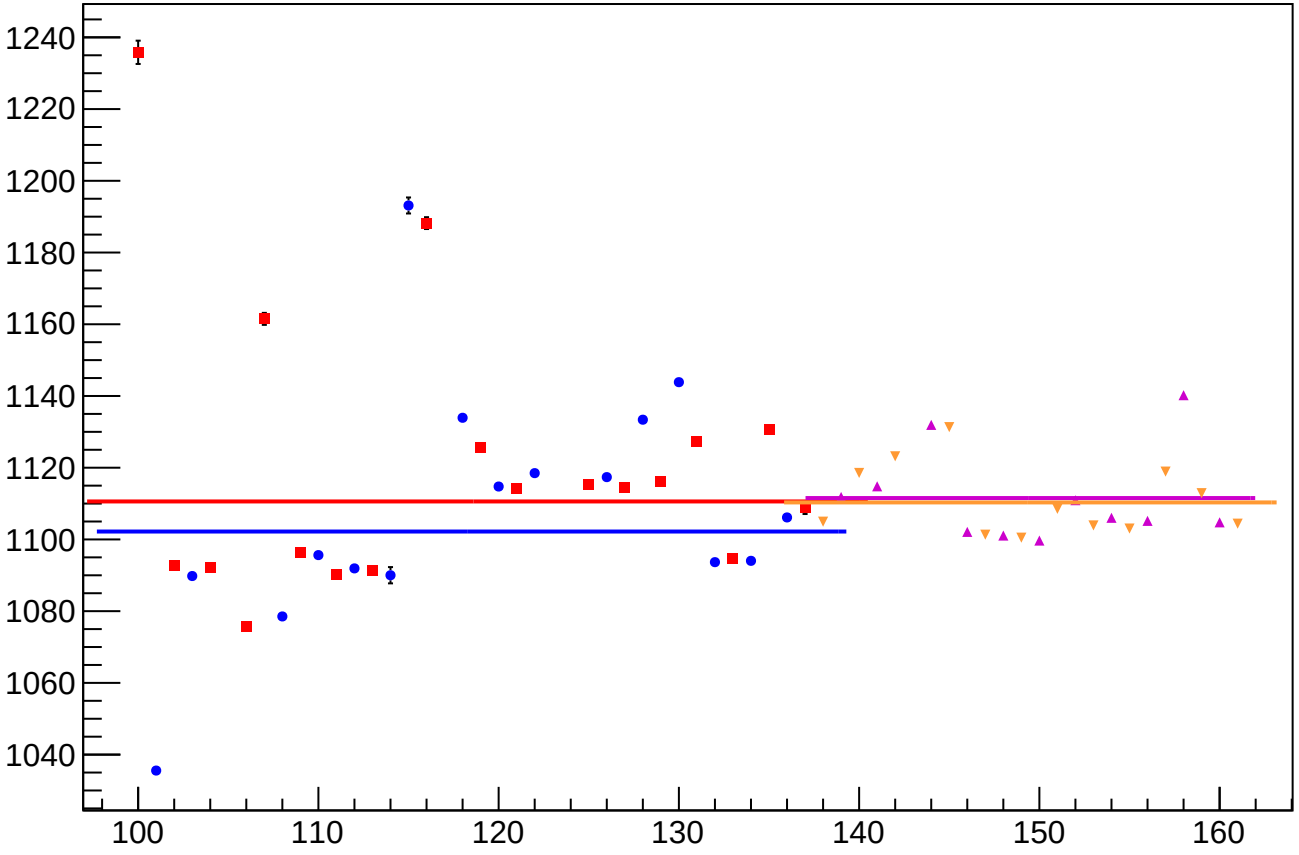
Left In: -1592.327+/-359.533 χ^2/NDF:15.4/10

+ sign 1840.427+/-270.033 χ^2/NDF: 17.0/27

All: 24.663+/-190.967 χ^2/NDF: 136.1/56

- sign -1792.056+/-270.104 χ^2/NDF: 28.6/28

reg_asym_usl_rms vs Slug



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

Left Out: 1110.321+/-0.254 χ^2/NDF:1334.5/11

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

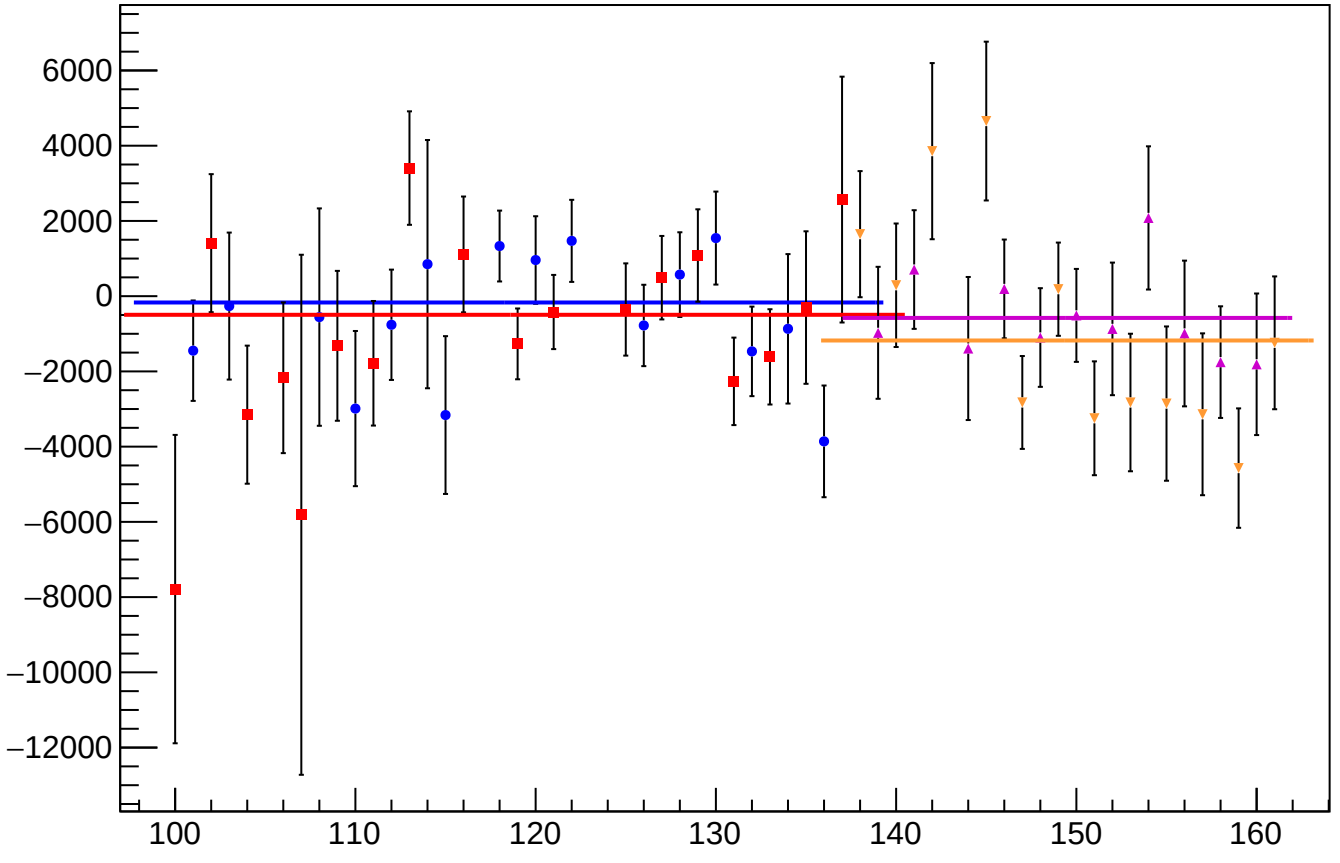
Left In: 1111.540+/-0.254 χ^2/NDF:2371.2/10

+ sign 1106.792+/-0.191 χ^2/NDF: 13127.4/27

All: 1108.959+/-0.135 χ^2/NDF: 23458.3/56

- sign 1111.127+/-0.191 χ^2/NDF: 10073.3/28

asym_usl_reg_correction_mean vs Slug



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

Left Out: -1178.115+/-479.536 χ^2/NDF:27.6/11

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

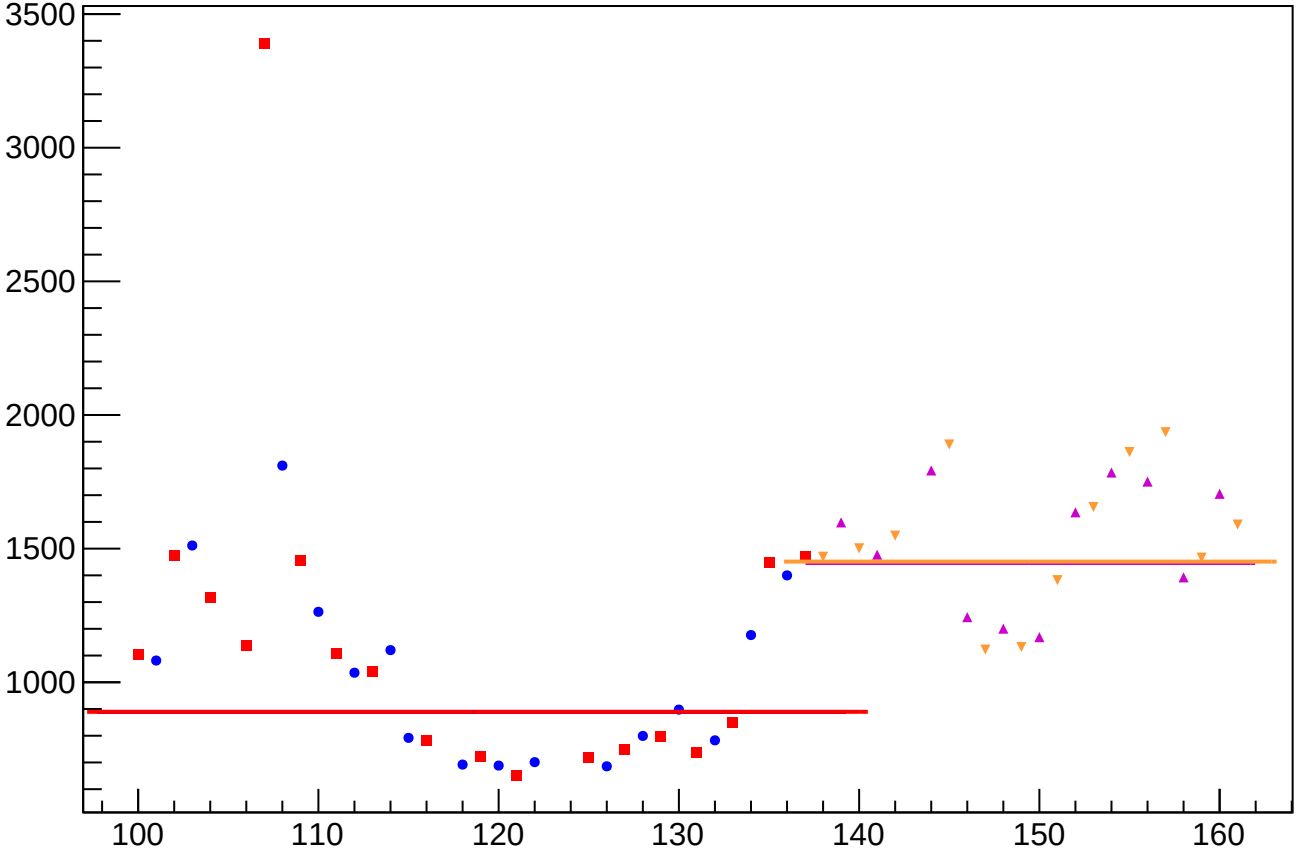
Left In: -578.243+/-475.574 χ^2/NDF:4.5/10

+ sign -513.025+/-280.289 χ^2/NDF: 51.6/27

All: -518.442+/-197.839 χ^2/NDF: 79.4/56

- sign -523.821+/-279.286 χ^2/NDF: 27.8/28

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1451.478+/-0.339 χ^2/NDF:589759.1/11

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

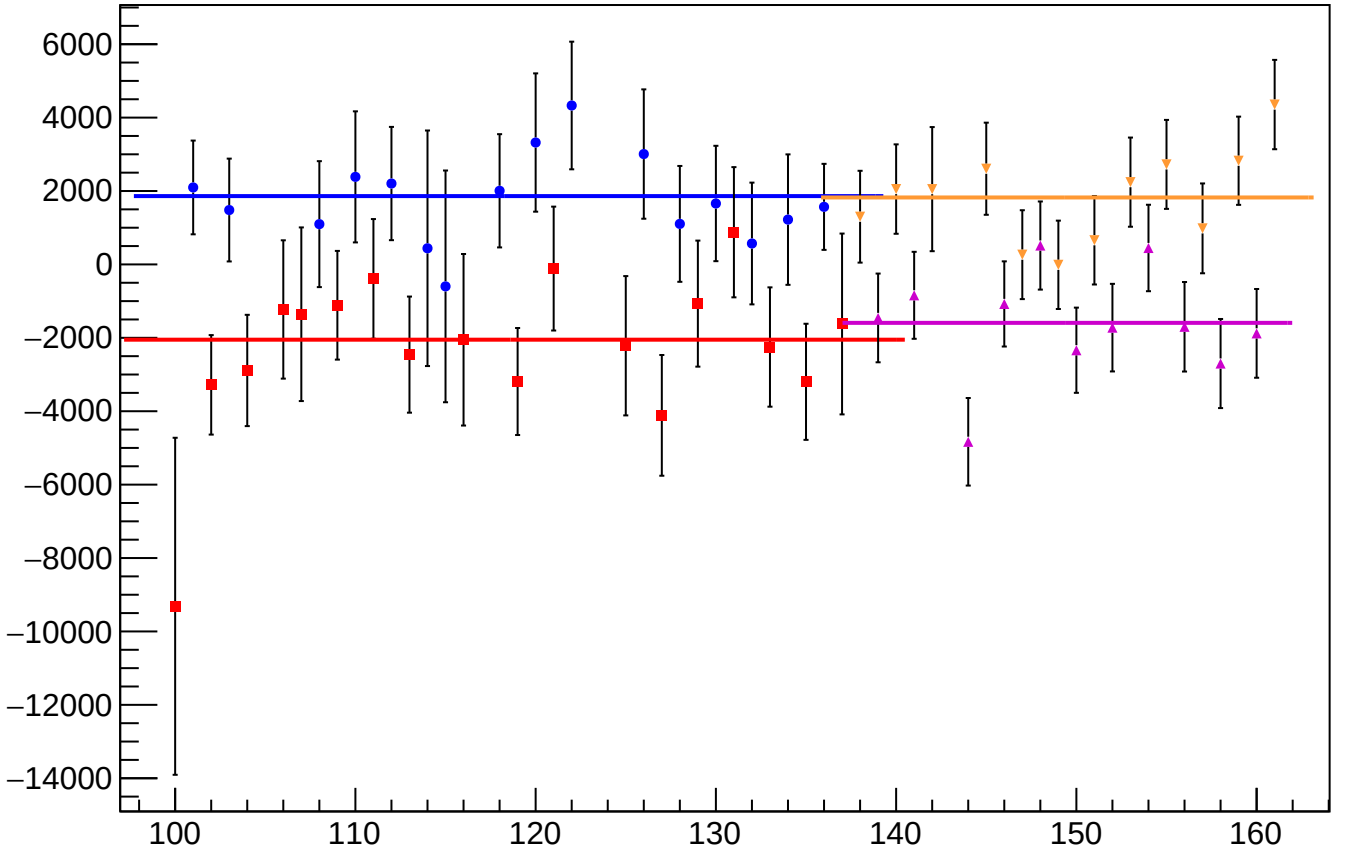
Left In: 1446.264+/-0.336 χ^2/NDF:476996.3/10

+ sign 1081.136+/-0.198 χ^2/NDF: 3534410.5/27

All: 1081.319+/-0.140 χ^2/NDF: 7153113.0/56

- sign 1081.500+/-0.197 χ^2/NDF: 3618700.9/28

cor_asym_usl_mean vs Slug



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

Left Out: 1824.197+/-359.179 χ^2/NDF:11.7/11

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

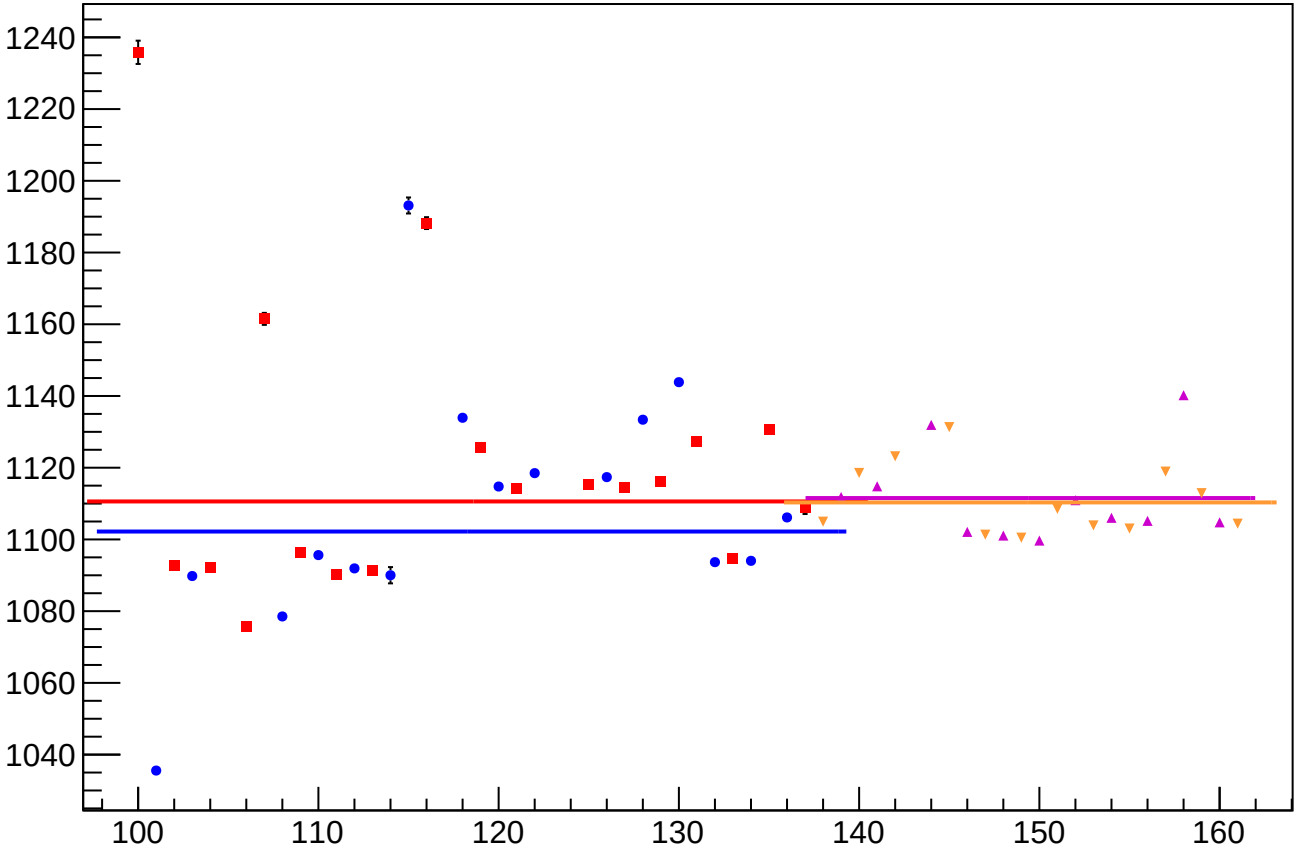
Left In: -1592.327+/-359.533 χ^2/NDF:15.4/10

+ sign 1840.427+/-270.033 χ^2/NDF: 17.0/27

All: 24.663+/-190.967 χ^2/NDF: 136.1/56

- sign -1792.056+/-270.104 χ^2/NDF: 28.6/28

cor_asym_usl_rms vs Slug



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

Left Out: 1110.321+/-0.254 χ^2/NDF:1334.5/11

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

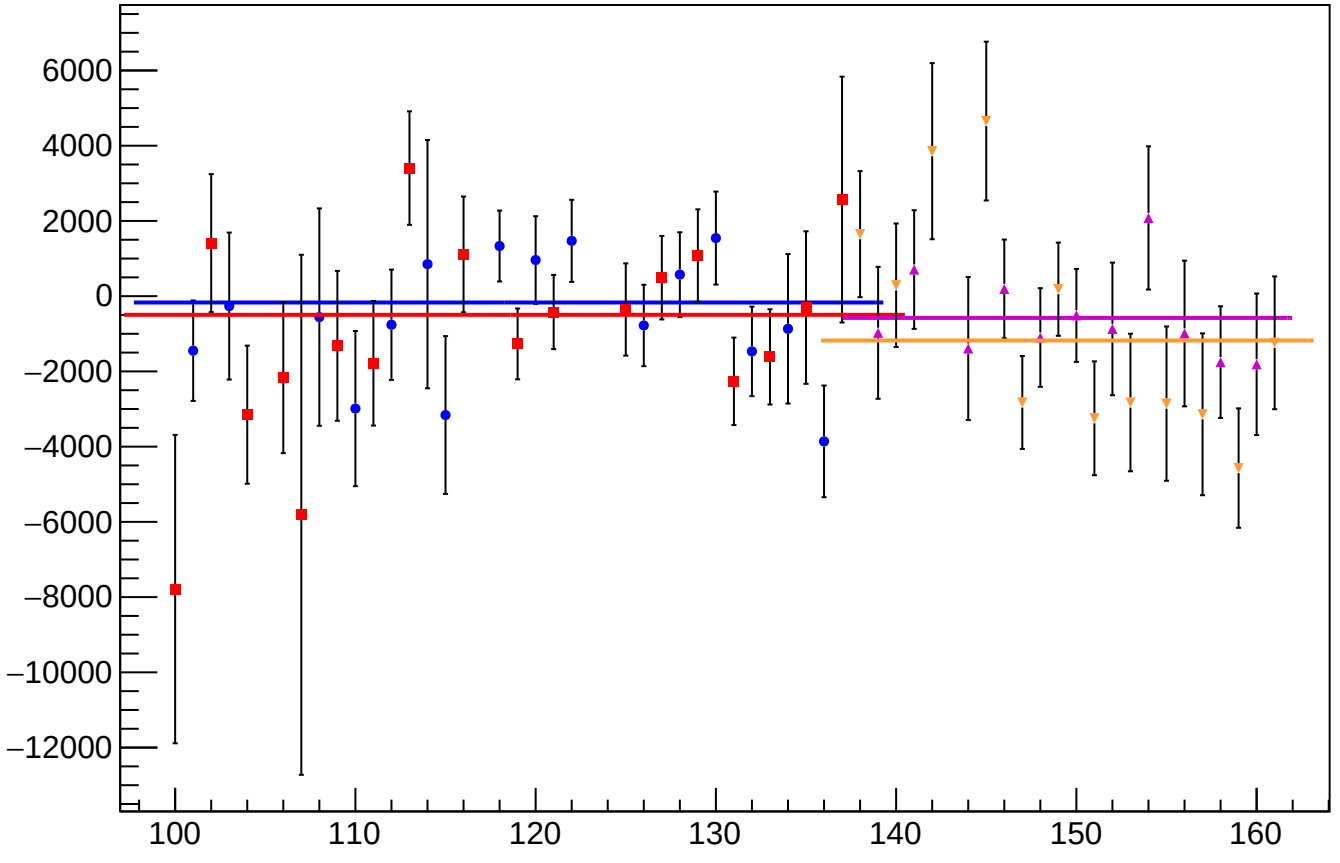
Left In: 1111.540+/-0.254 χ^2/NDF:2371.2/10

+ sign 1106.792+/-0.191 χ^2/NDF: 13127.4/27

All: 1108.959+/-0.135 χ^2/NDF: 23458.3/56

- sign 1111.127+/-0.191 χ^2/NDF: 10073.3/28

asym_usl_cor_correction_mean vs Slug



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

Left Out: -1178.115+/-479.536 χ^2/NDF:27.6/11

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

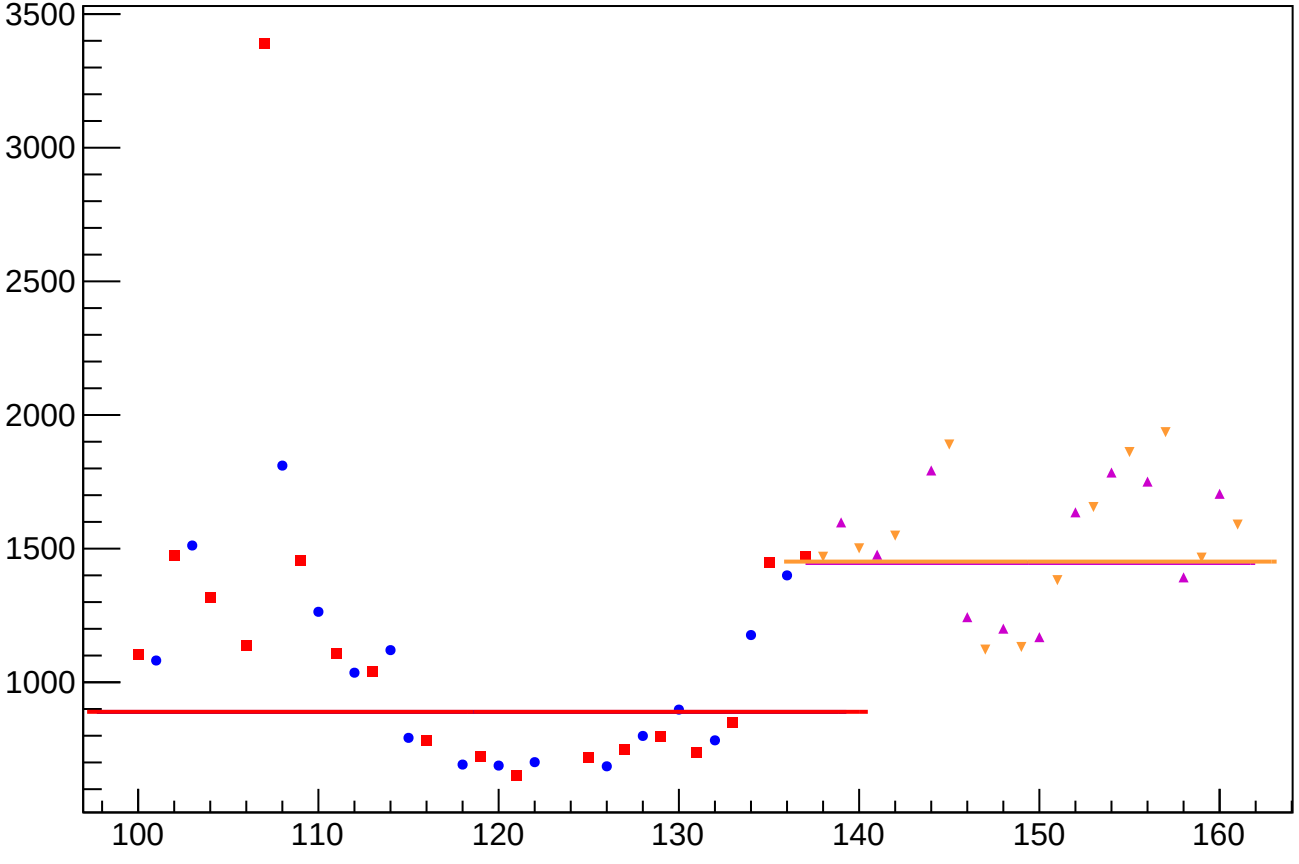
Left In: -578.243+/-475.574 χ^2/NDF:4.5/10

+ sign -513.025+/-280.289 χ^2/NDF: 51.6/27

All: -518.442+/-197.839 χ^2/NDF: 79.4/56

- sign -523.821+/-279.286 χ^2/NDF: 27.8/28

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1451.478+/-0.339 χ^2/NDF:589759.1/11

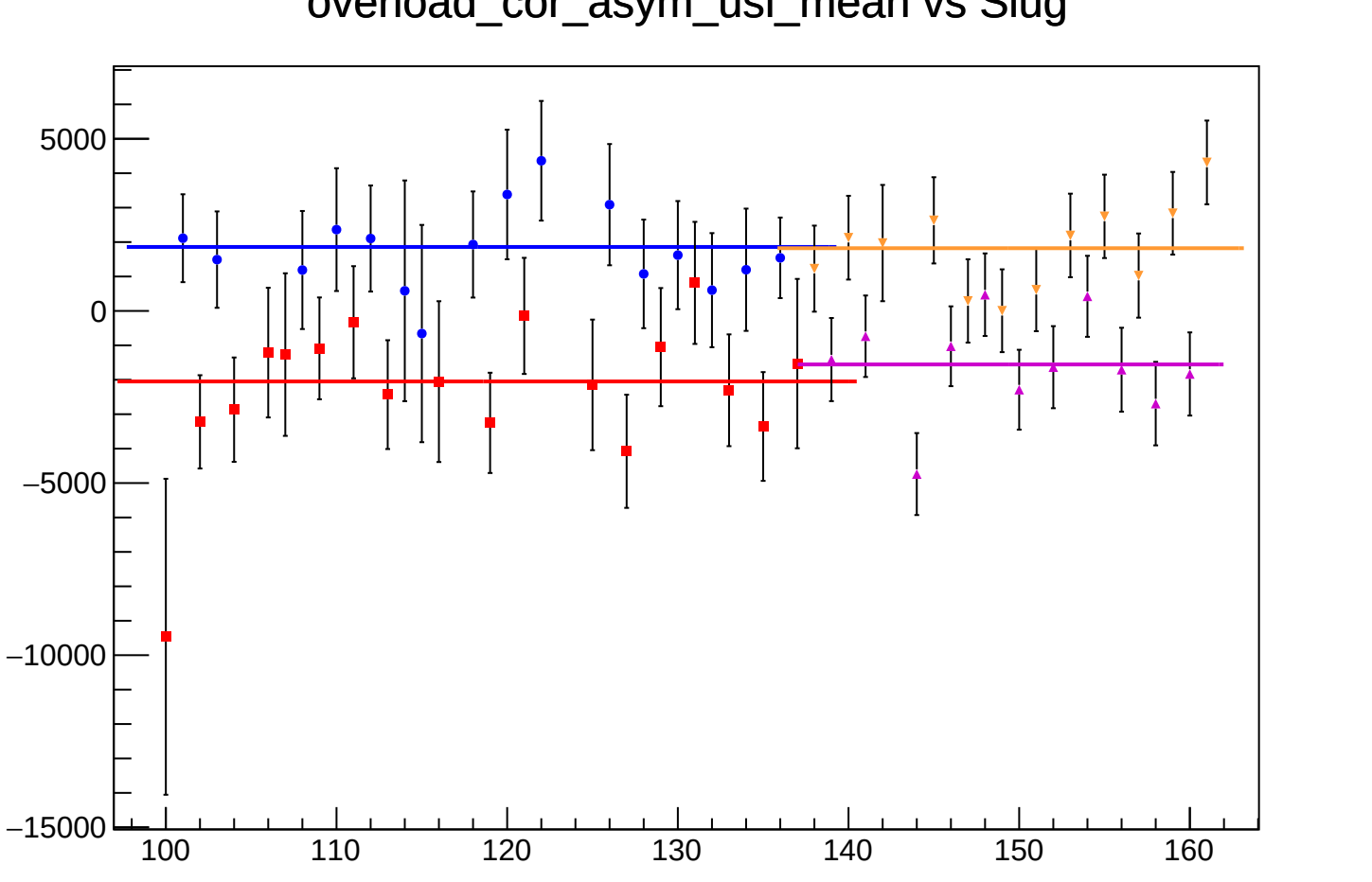
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1446.264+/-0.336 χ^2/NDF:476996.3/10

+ sign 1081.136+/-0.198 χ^2/NDF: 3534410.5/27

All: 1081.319+/-0.140 χ^2/NDF: 7153113.0/56

- sign 1081.500+/-0.197 χ^2/NDF: 3618700.9/28



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

Left Out: 1821.958+/-358.802 χ^2/NDF:11.6/11

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

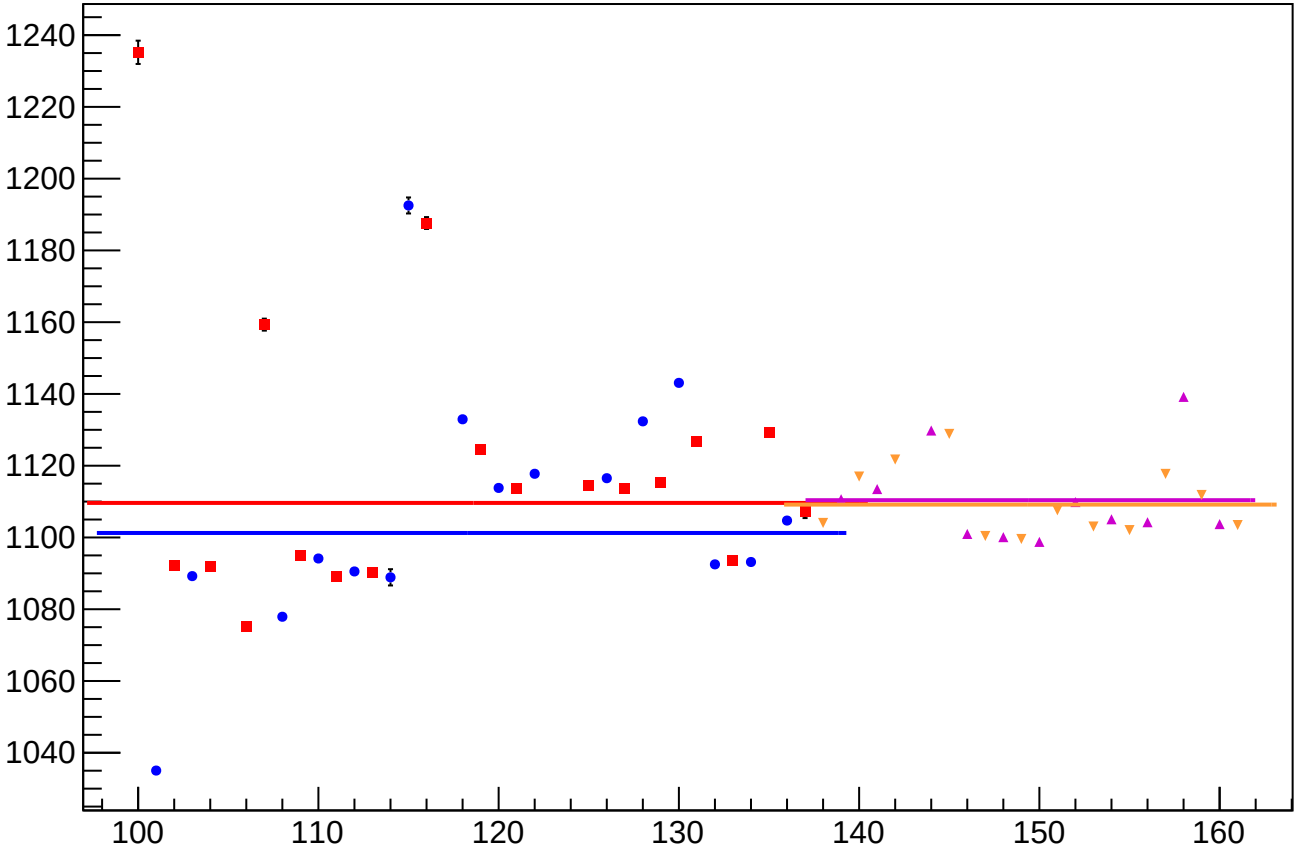
Left In: -1554.678+/-359.159 χ^2/NDF:14.9/10

+ sign 1837.922+/-269.772 χ^2/NDF: 17.1/27

All: 34.534+/-190.783 χ^2/NDF: 134.9/56

- sign -1769.822+/-269.844 χ^2/NDF: 28.5/28

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1109.163+/-0.254 χ^2/NDF:1228.3/11

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

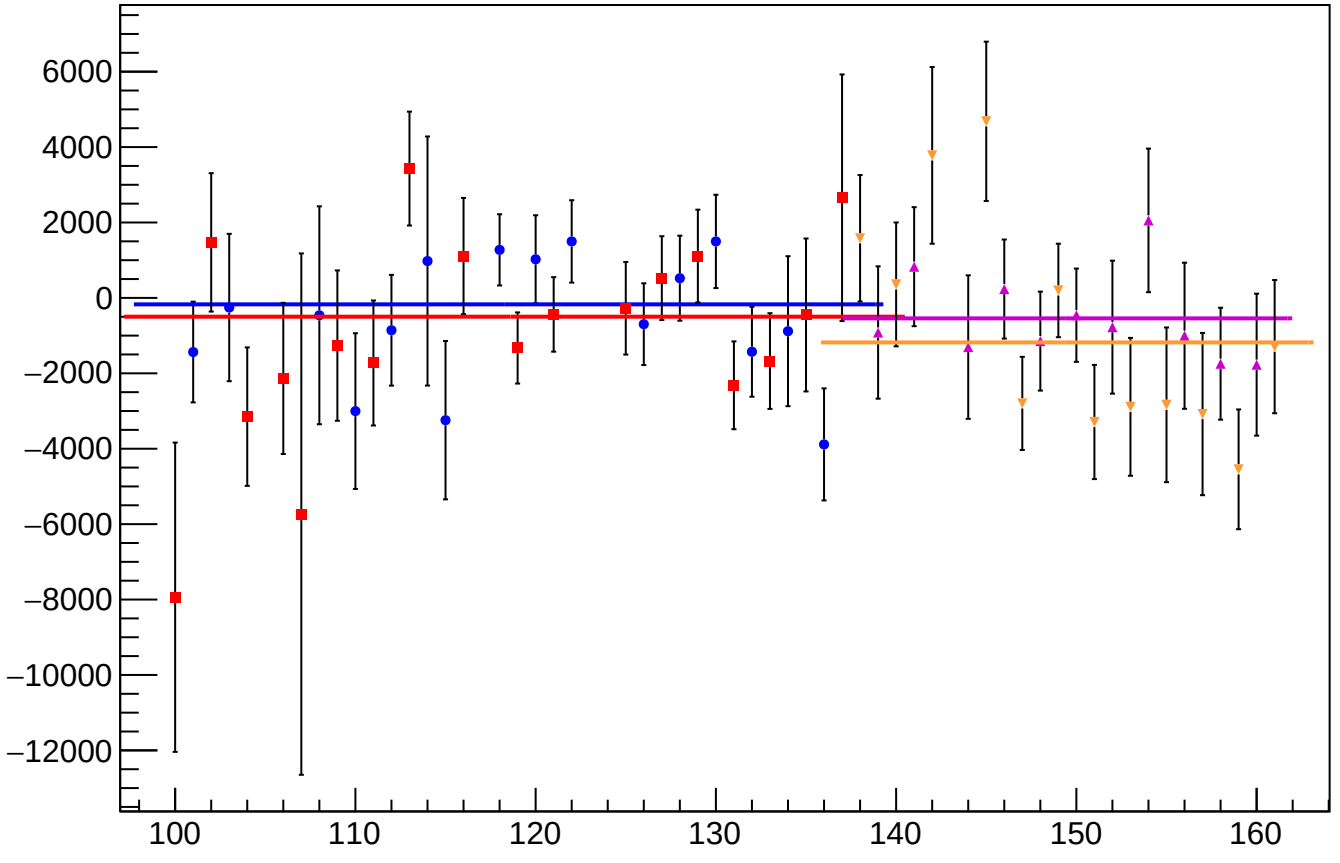
Left In: 1110.389+/-0.254 χ^2/NDF:2305.8/10

+ sign 1105.725+/-0.191 χ^2/NDF: 12959.0/27

All: 1107.891+/-0.135 χ^2/NDF: 23199.5/56

- sign 1110.058+/-0.191 χ^2/NDF: 9982.8/28

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: -1180.164+/-479.829 χ^2/NDF:27.5/11

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

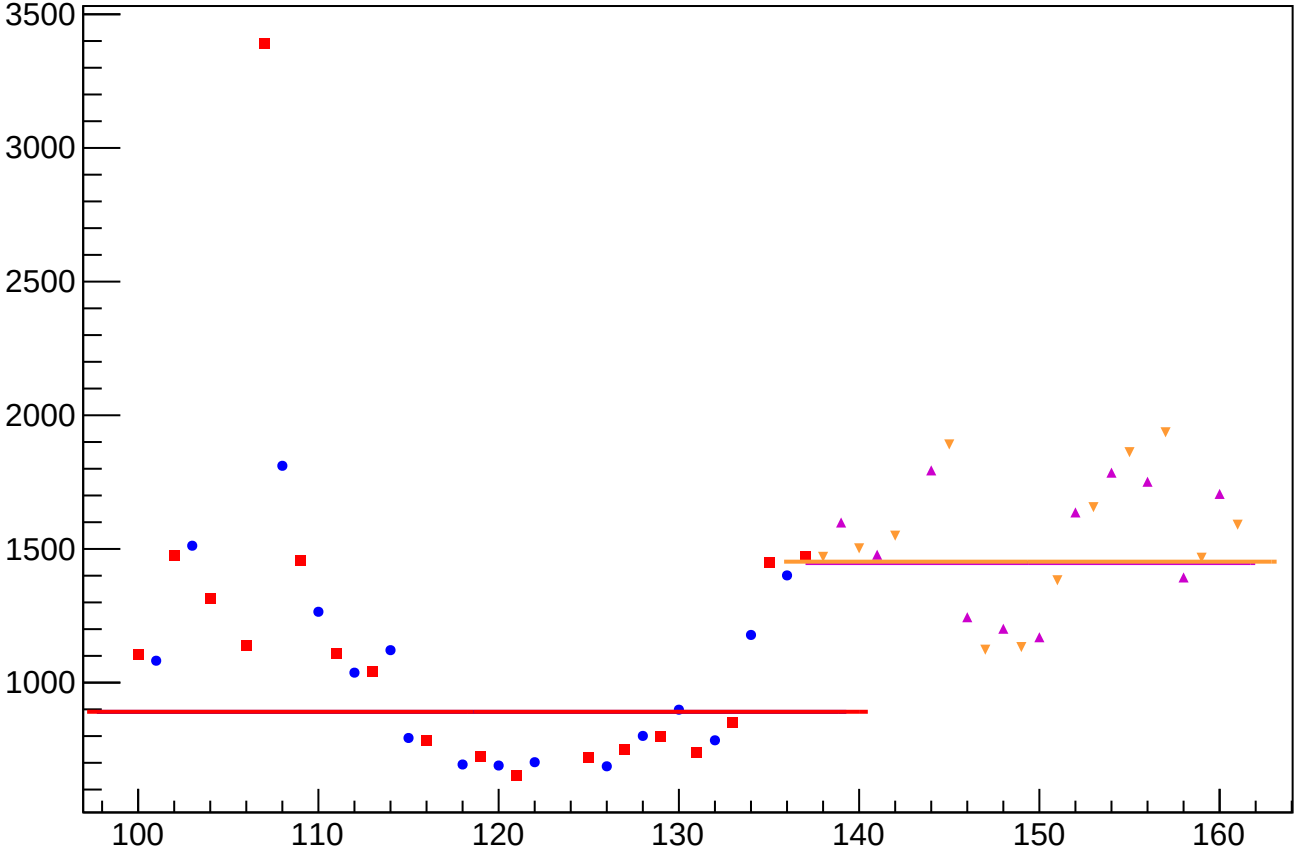
Left In: -542.597+/-475.867 χ^2/NDF:4.5/10

+ sign -516.156+/-280.635 χ^2/NDF: 51.3/27

All: -514.758+/-198.078 χ^2/NDF: 79.8/56

- sign -513.370+/-279.616 χ^2/NDF: 28.5/28

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1452.409+/-0.339 χ^2/NDF:588901.8/11

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

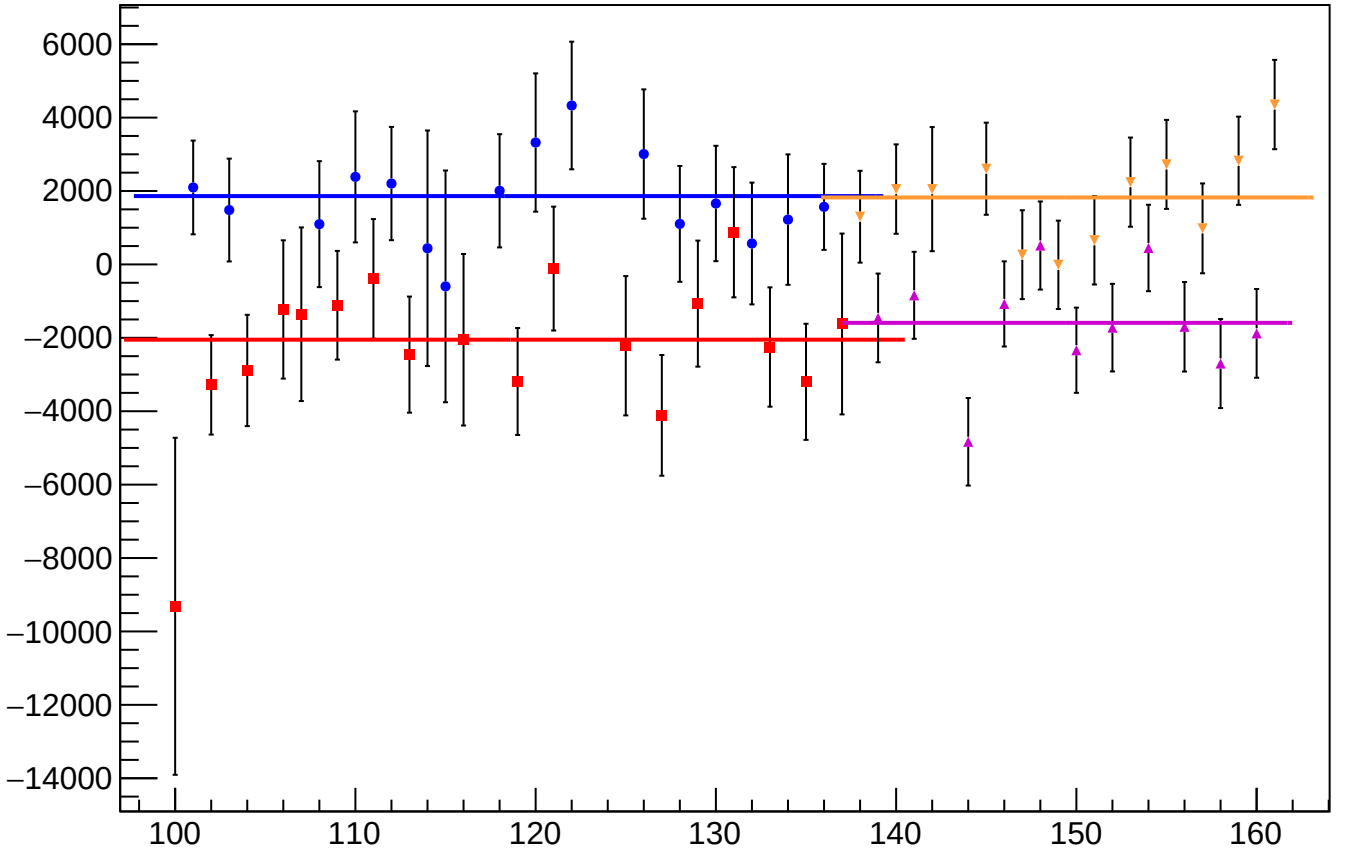
Left In: 1447.191+/-0.336 χ^2/NDF:476272.5/10

+ sign 1082.707+/-0.198 χ^2/NDF: 3522235.6/27

All: 1082.851+/-0.140 χ^2/NDF: 7129551.2/56

- sign 1082.994+/-0.198 χ^2/NDF: 3607314.5/28

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1824.197+/-359.179 χ^2/NDF:11.7/11

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

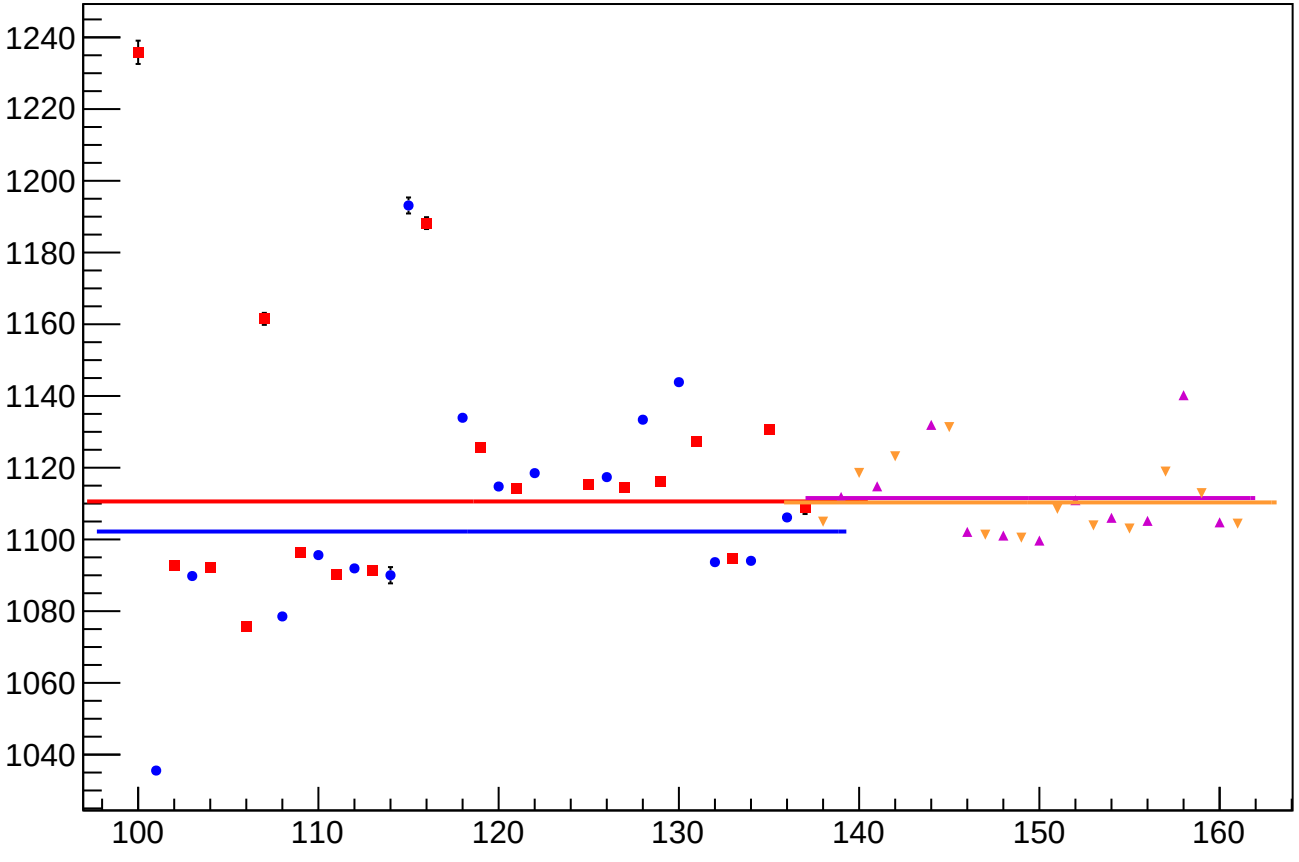
Left In: -1592.327+/-359.533 χ^2/NDF:15.4/10

+ sign 1840.427+/-270.033 χ^2/NDF: 17.0/27

All: 24.663+/-190.967 χ^2/NDF: 136.1/56

- sign -1792.056+/-270.104 χ^2/NDF: 28.6/28

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1110.321+/-0.254 χ^2/NDF:1334.5/11

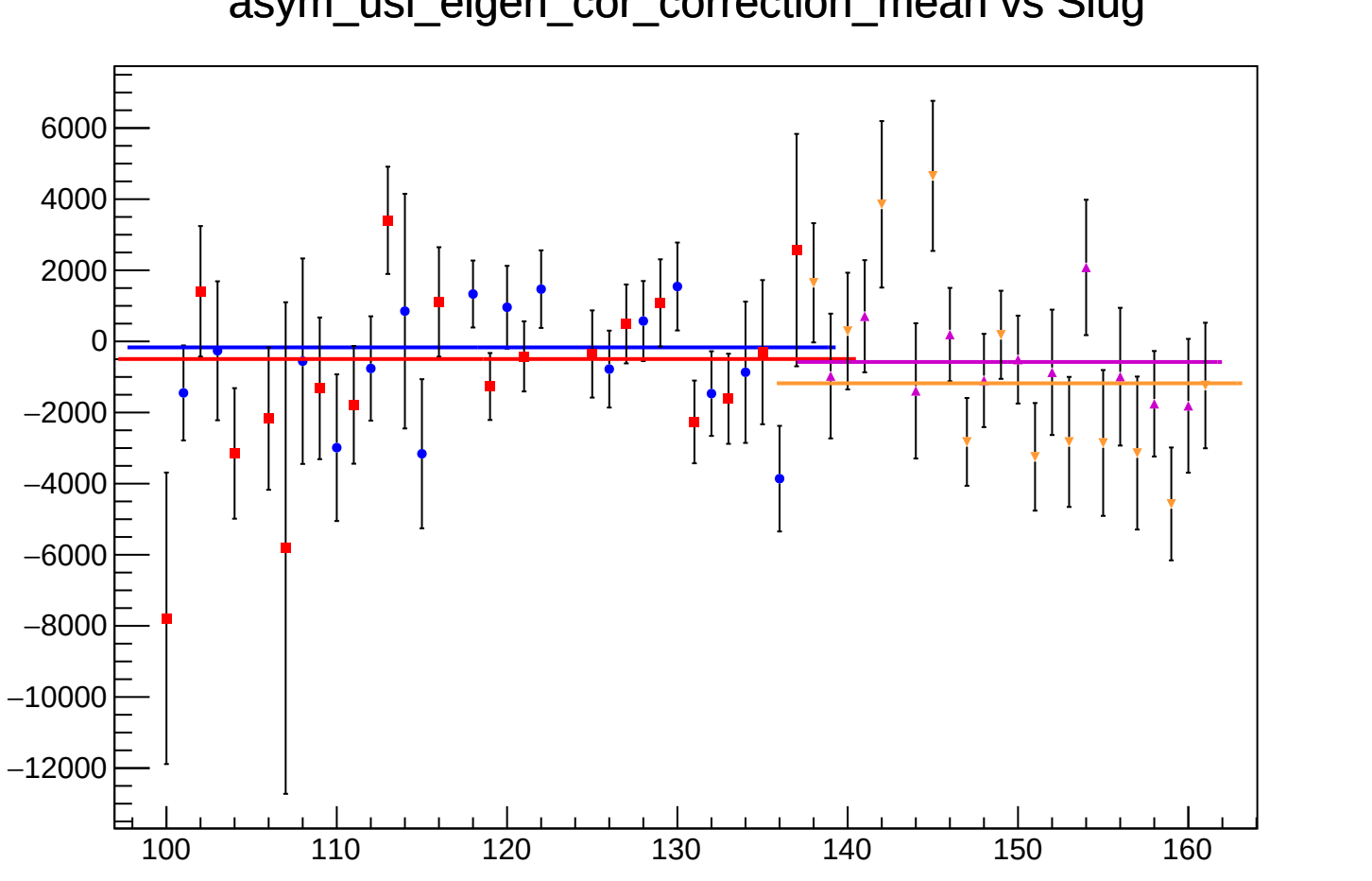
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1111.540+/-0.254 χ^2/NDF:2371.2/10

+ sign 1106.792+/-0.191 χ^2/NDF: 13127.4/27

All: 1108.959+/-0.135 χ^2/NDF: 23458.3/56

- sign 1111.127+/-0.191 χ^2/NDF: 10073.3/28



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

Left Out: -1178.115+/-479.536 χ^2/NDF:27.6/11

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

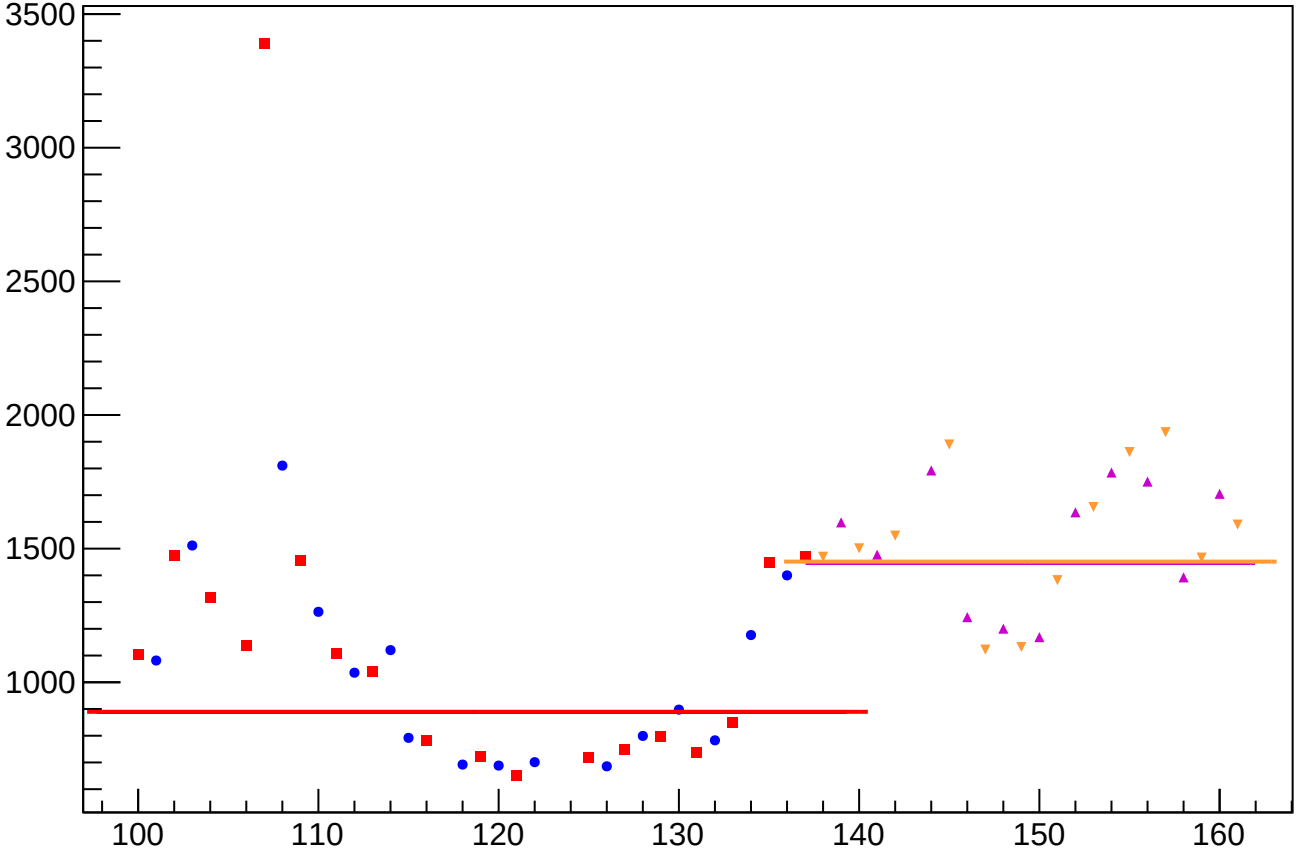
Left In: -578.243+/-475.574 χ^2/NDF:4.5/10

+ sign -513.025+/-280.289 χ^2/NDF: 51.6/27

All: -518.442+/-197.839 χ^2/NDF: 79.4/56

- sign -523.821+/-279.286 χ^2/NDF: 27.8/28

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1451.478+/-0.339 χ^2/NDF:589759.1/11

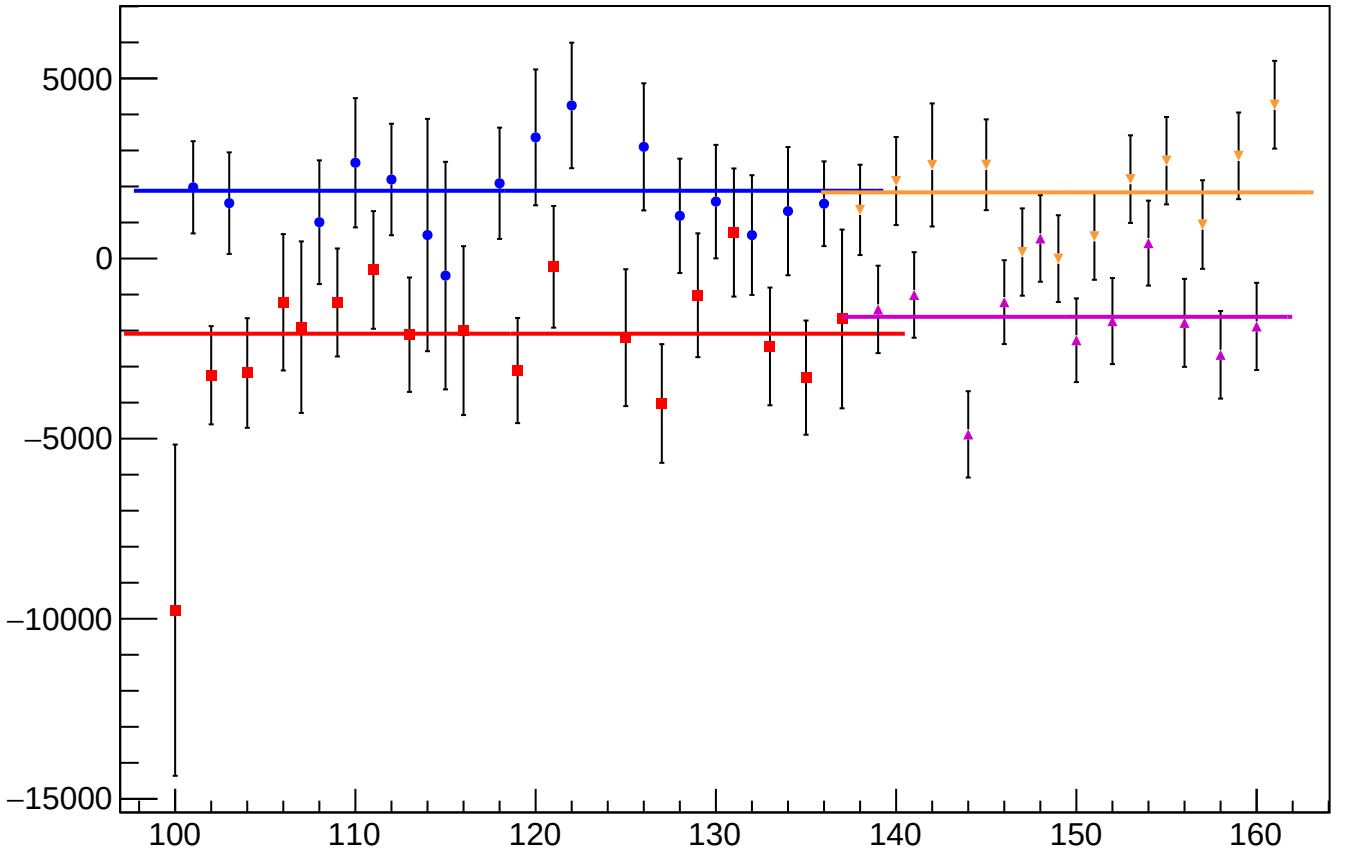
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1446.264+/-0.336 χ^2/NDF:476996.3/10

+ sign 1081.136+/-0.198 χ^2/NDF: 3534410.5/27

All: 1081.319+/-0.140 χ^2/NDF: 7153113.0/56

- sign 1081.500+/-0.197 χ^2/NDF: 3618700.9/28



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

Left Out: 1837.473+/-360.010 χ^2/NDF:11.8/11

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

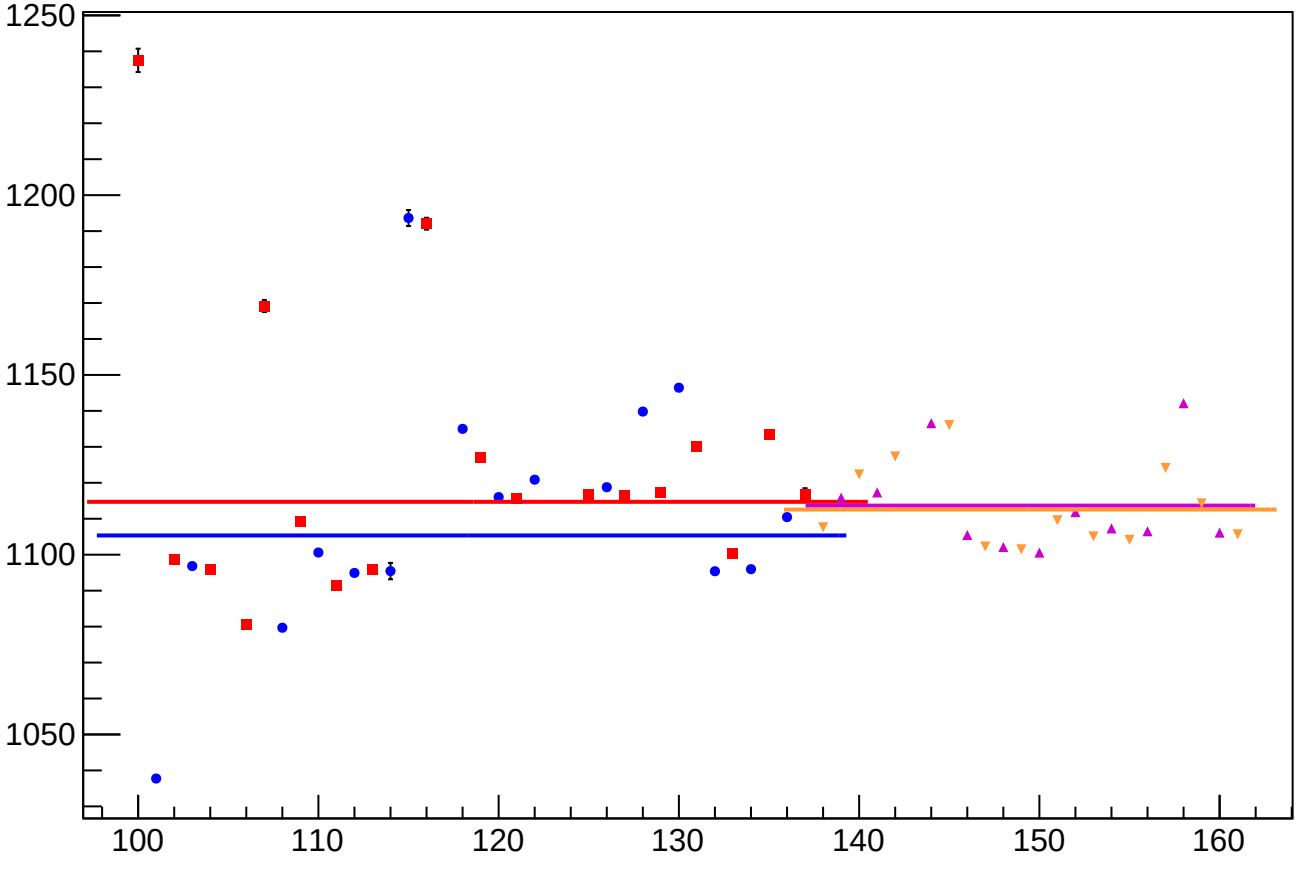
Left In: -1617.856+/-360.225 χ^2/NDF:15.3/10

+ sign 1856.613+/-270.724 χ^2/NDF: 17.0/27

All: 18.220+/-191.471 χ^2/NDF: 137.7/56

- sign -1821.745+/-270.839 χ^2/NDF: 28.4/28

dit_asym_usl_rms vs Slug



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

Left Out: 1112.552+/-0.255 χ^2/NDF:1744.2/11

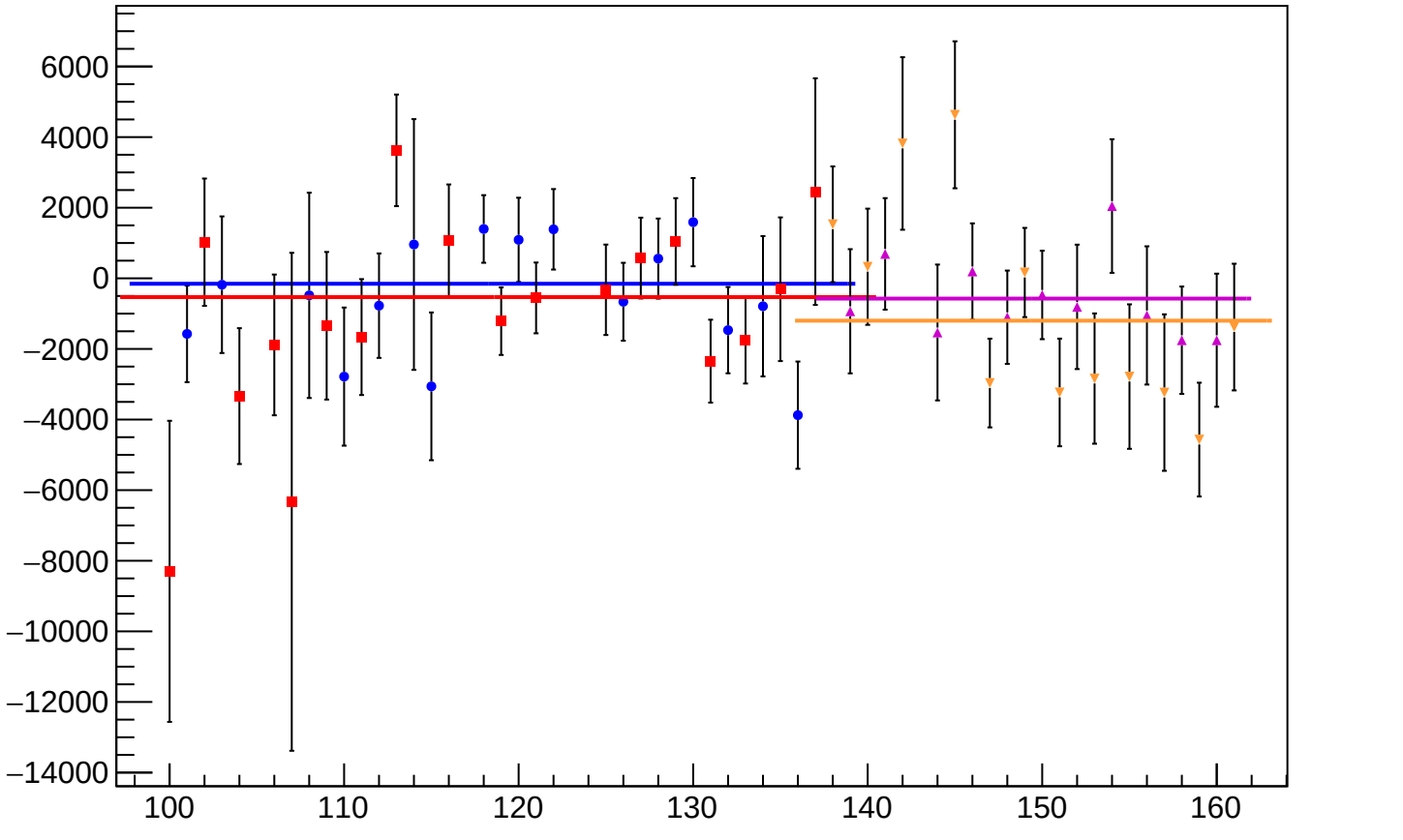
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1113.649+/-0.255 χ^2/NDF:2598.7/10

+ sign 1109.425+/-0.191 χ^2/NDF: 13422.4/27

All: 1111.765+/-0.135 χ^2/NDF: 23657.9/56

- sign 1114.108+/-0.192 χ^2/NDF: 9936.4/28



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

Left Out: -1199.550+/-484.461 χ^2/NDF:27.2/11

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

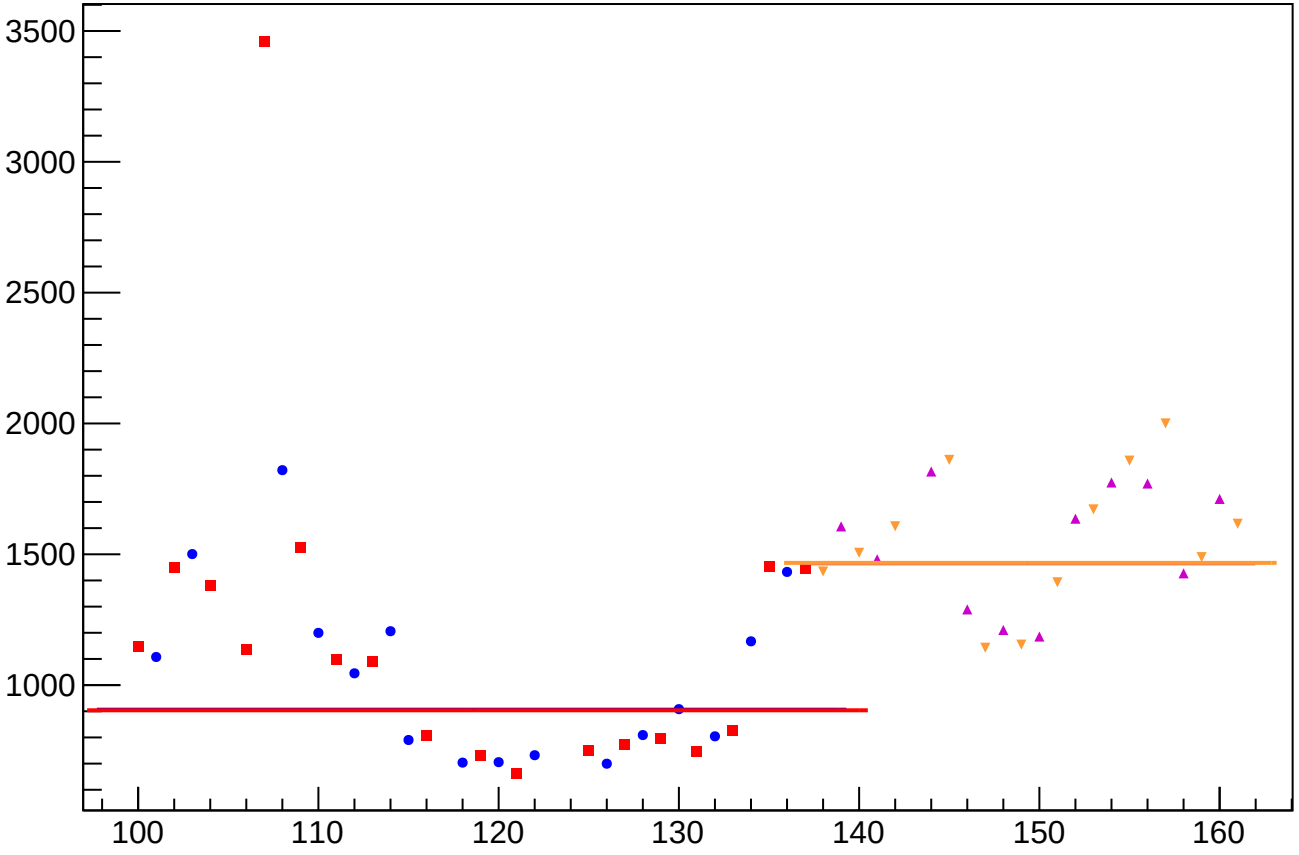
Left In: -574.169+/-481.253 χ^2/NDF:4.4/10

+ sign -514.336+/-284.407 χ^2/NDF: 50.7/27

All: -530.589+/-200.704 χ^2/NDF: 78.4/56

- sign -546.712+/-283.273 χ^2/NDF: 27.6/28

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1467.206+/-0.343 χ^2/NDF:567601.8/11

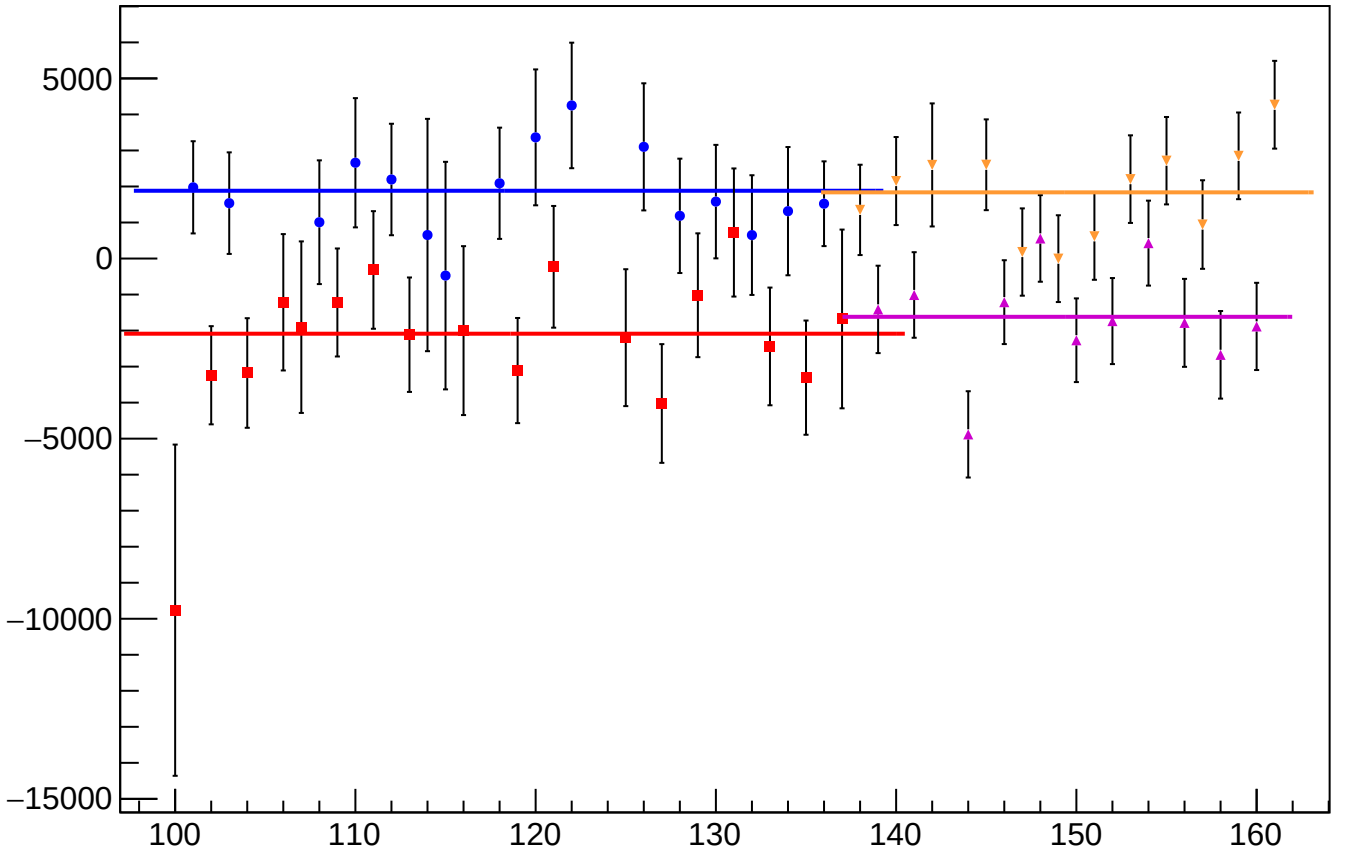
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1465.780+/-0.340 χ^2/NDF:442945.4/10

+ sign 1099.436+/-0.201 χ^2/NDF: 3405698.3/27

All: 1098.955+/-0.142 χ^2/NDF: 6971273.7/56

- sign 1098.478+/-0.200 χ^2/NDF: 3565564.0/28



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

Left Out: 1837.468+/-360.010 χ^2/NDF:11.8/11

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

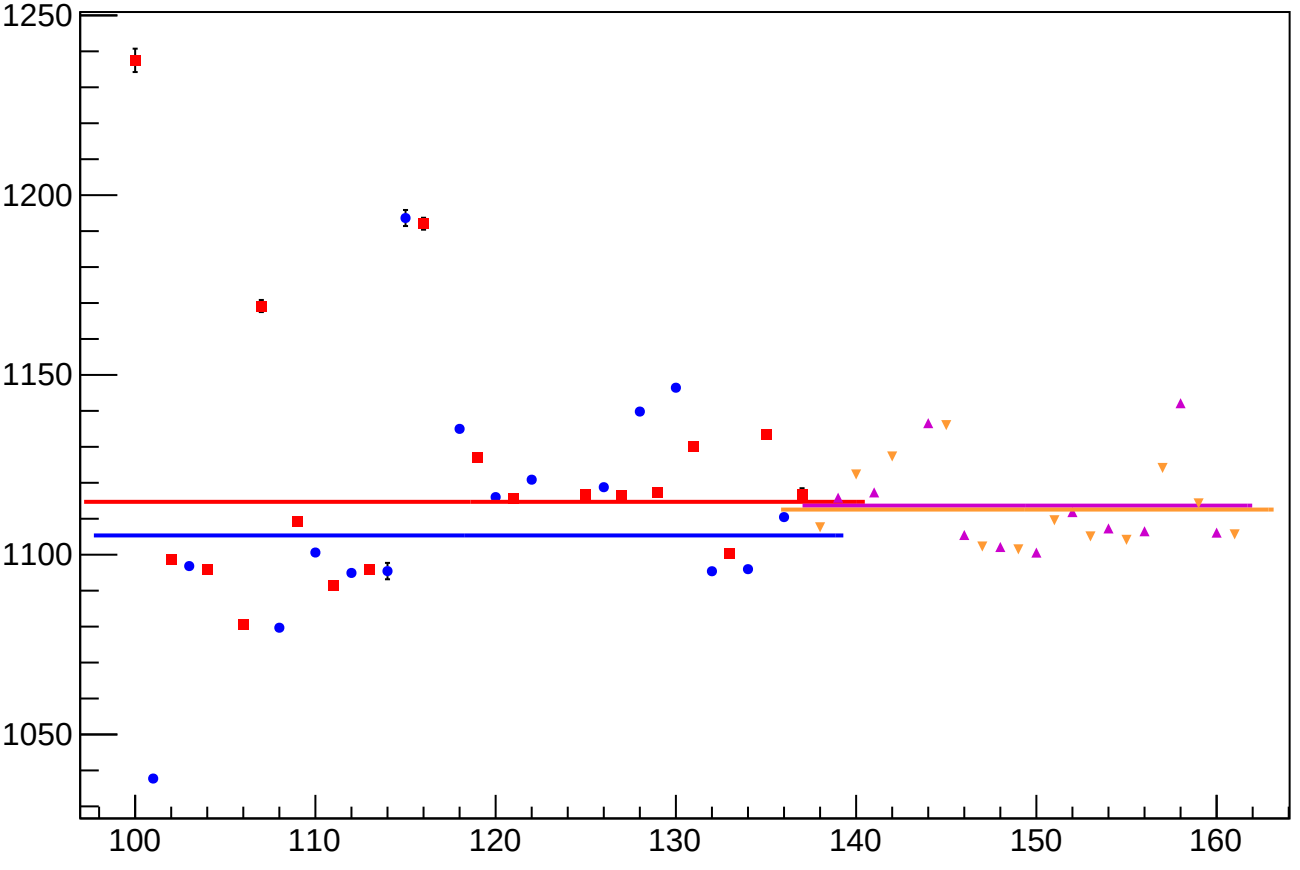
Left In: -1617.858+/-360.225 χ^2/NDF:15.3/10

+ sign 1856.610+/-270.724 χ^2/NDF: 17.0/27

All: 18.218+/-191.471 χ^2/NDF: 137.7/56

- sign -1821.746+/-270.839 χ^2/NDF: 28.4/28

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1112.552+/-0.255 χ^2/NDF:1744.2/11

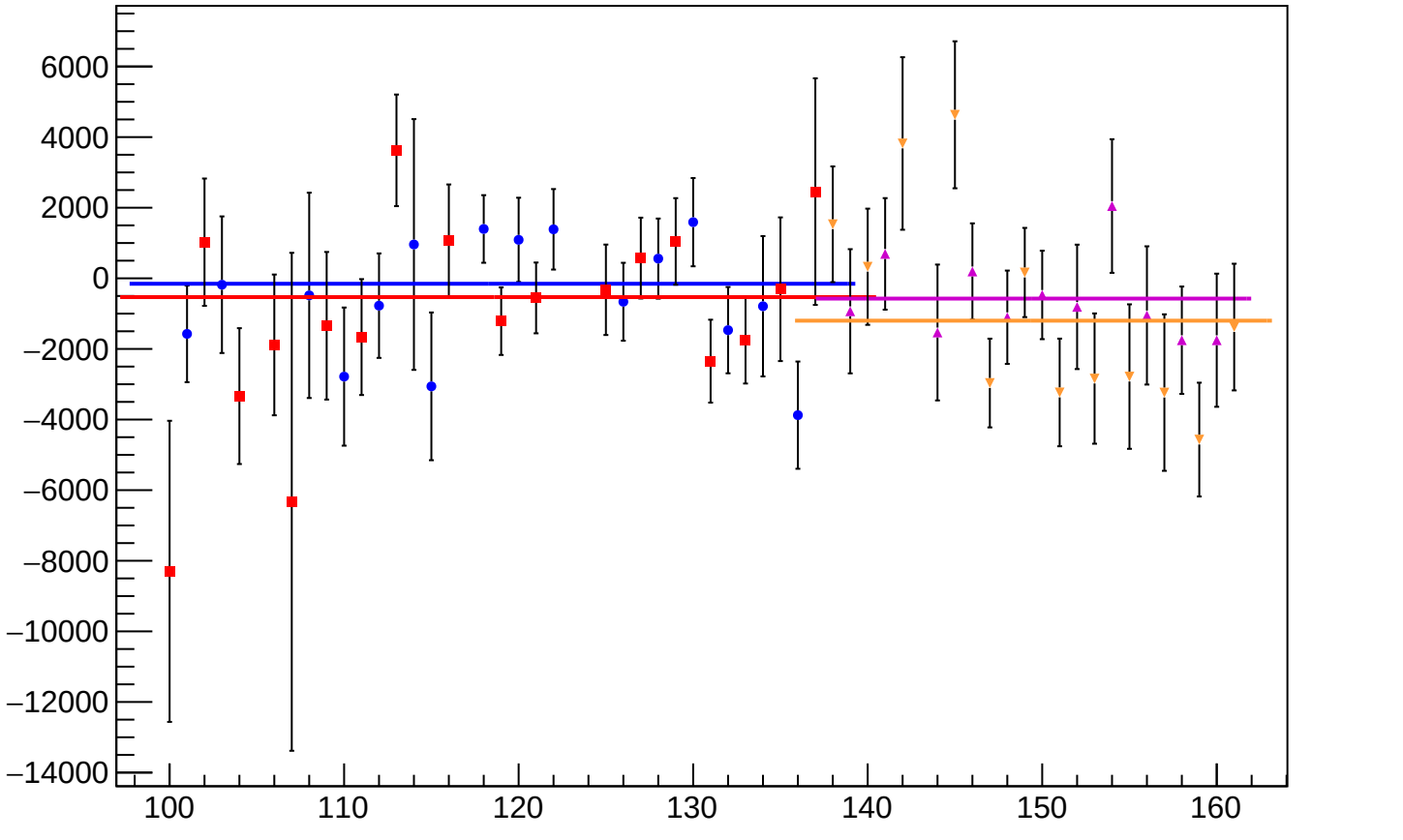
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1113.649+/-0.255 χ^2/NDF:2598.7/10

+ sign 1109.425+/-0.191 χ^2/NDF: 13422.4/27

All: 1111.765+/-0.135 χ^2/NDF: 23657.9/56

- sign 1114.108+/-0.192 χ^2/NDF: 9936.4/28



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

Left Out: -1199.556+/-484.462 χ^2/NDF:27.2/11

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

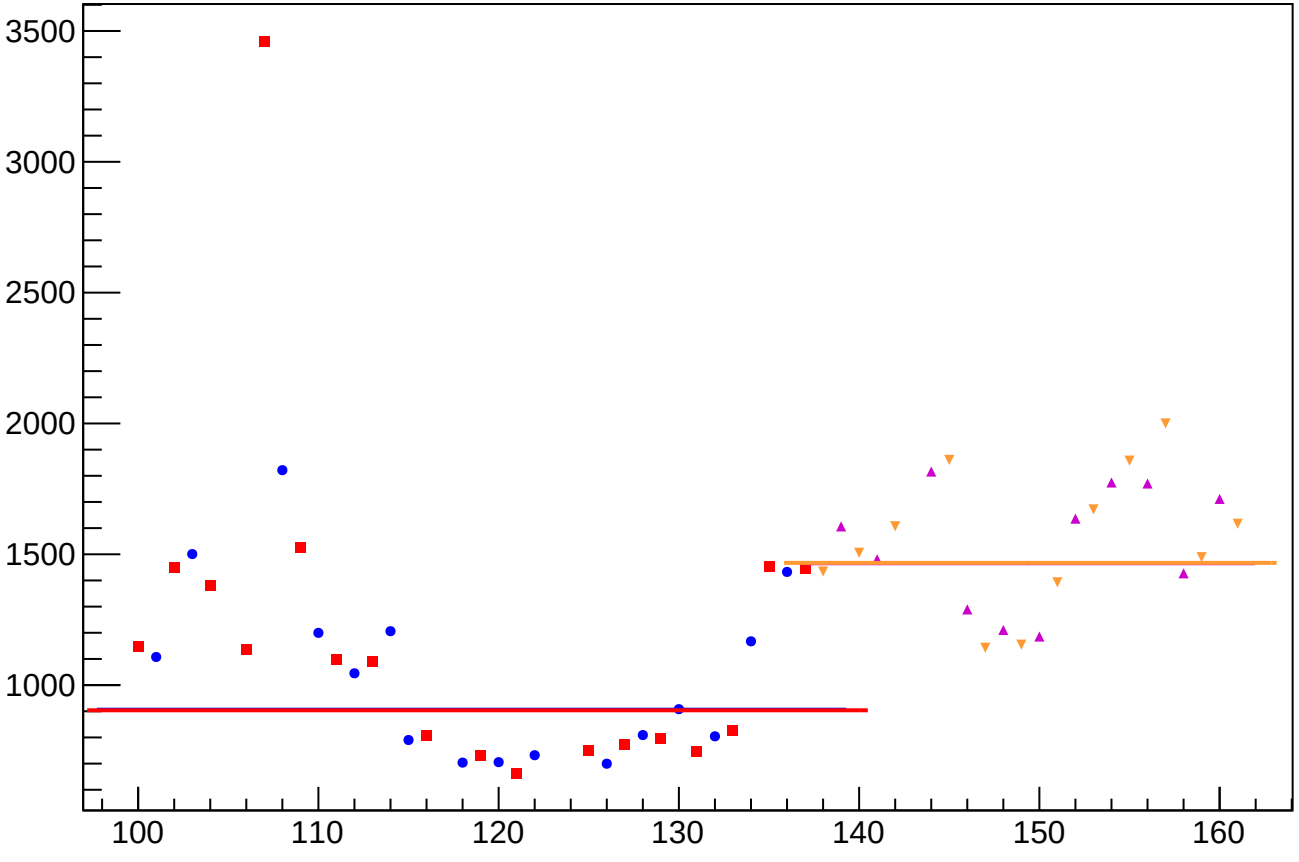
Left In: -574.172+/-481.254 χ^2/NDF:4.4/10

+ sign -514.336+/-284.407 χ^2/NDF: 50.7/27

All: -530.589+/-200.704 χ^2/NDF: 78.4/56

- sign -546.712+/-283.273 χ^2/NDF: 27.6/28

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1467.208+/-0.343 χ^2/NDF:567599.1/11

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

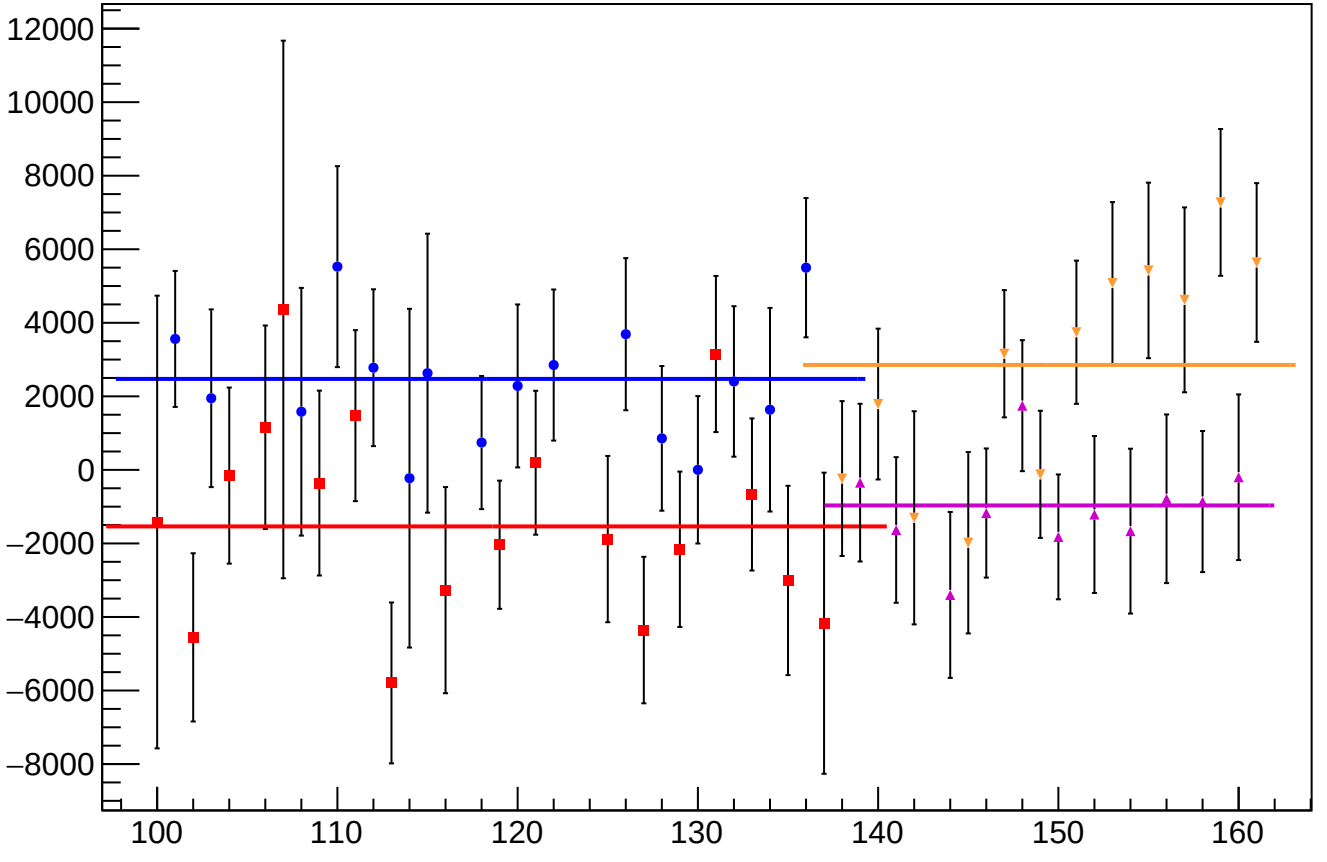
Left In: 1465.782+/-0.340 χ^2/NDF:442942.5/10

+ sign 1099.435+/-0.201 χ^2/NDF: 3405725.7/27

All: 1098.954+/-0.142 χ^2/NDF: 6971327.4/56

- sign 1098.477+/-0.200 χ^2/NDF: 3565590.3/28

asym_usl_mean vs Slug



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

Left Out: 2854.307+/-610.333 χ^2/NDF:20.8/11

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

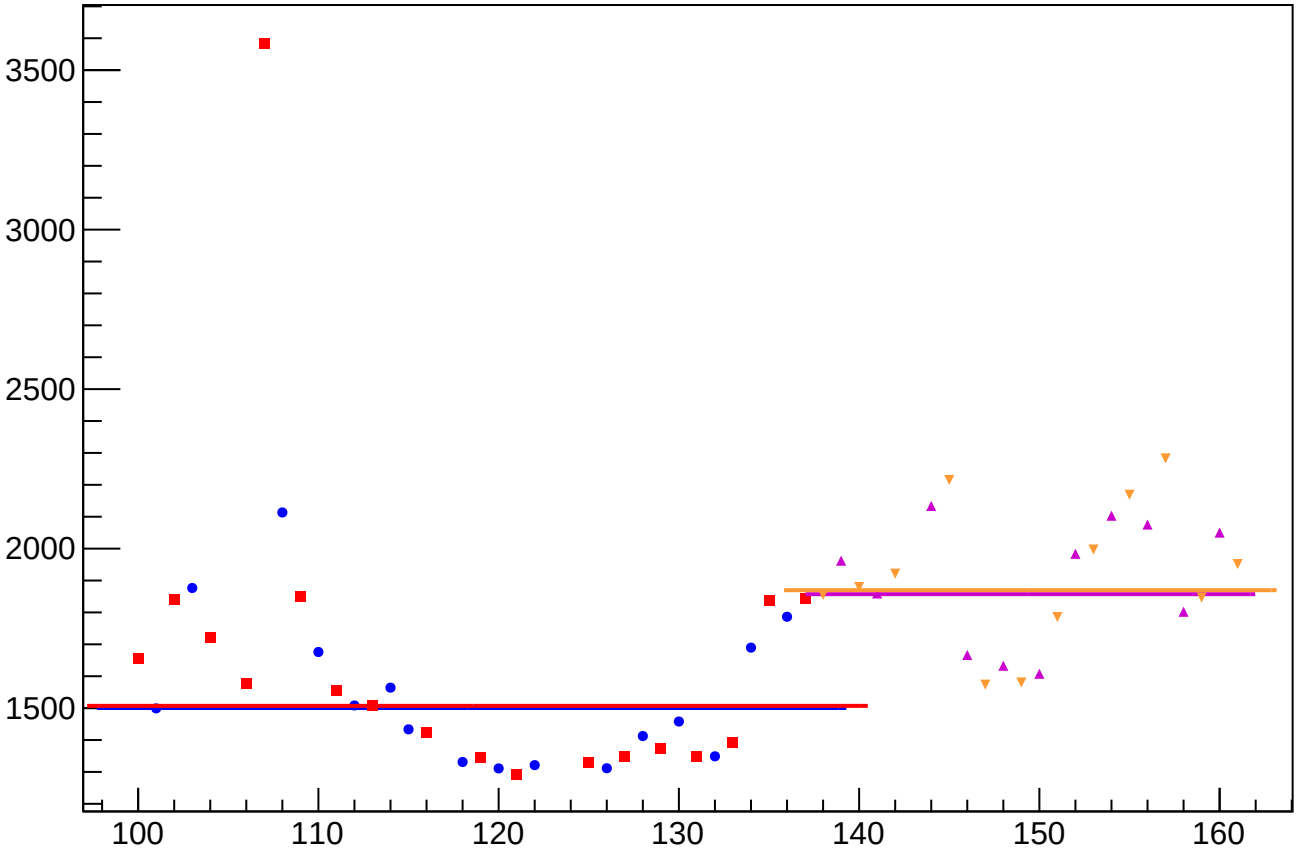
Left In: -967.134+/-604.931 χ^2/NDF:4.2/10

+ sign 2648.804+/-413.743 χ^2/NDF: 29.2/27

All: 681.545+/-292.065 χ^2/NDF: 97.4/56

- sign -1272.453+/-412.346 χ^2/NDF: 23.2/28

asym_usl_rms vs Slug



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

Left Out: 1869.749+/-0.432 χ^2/NDF:253641.1/11

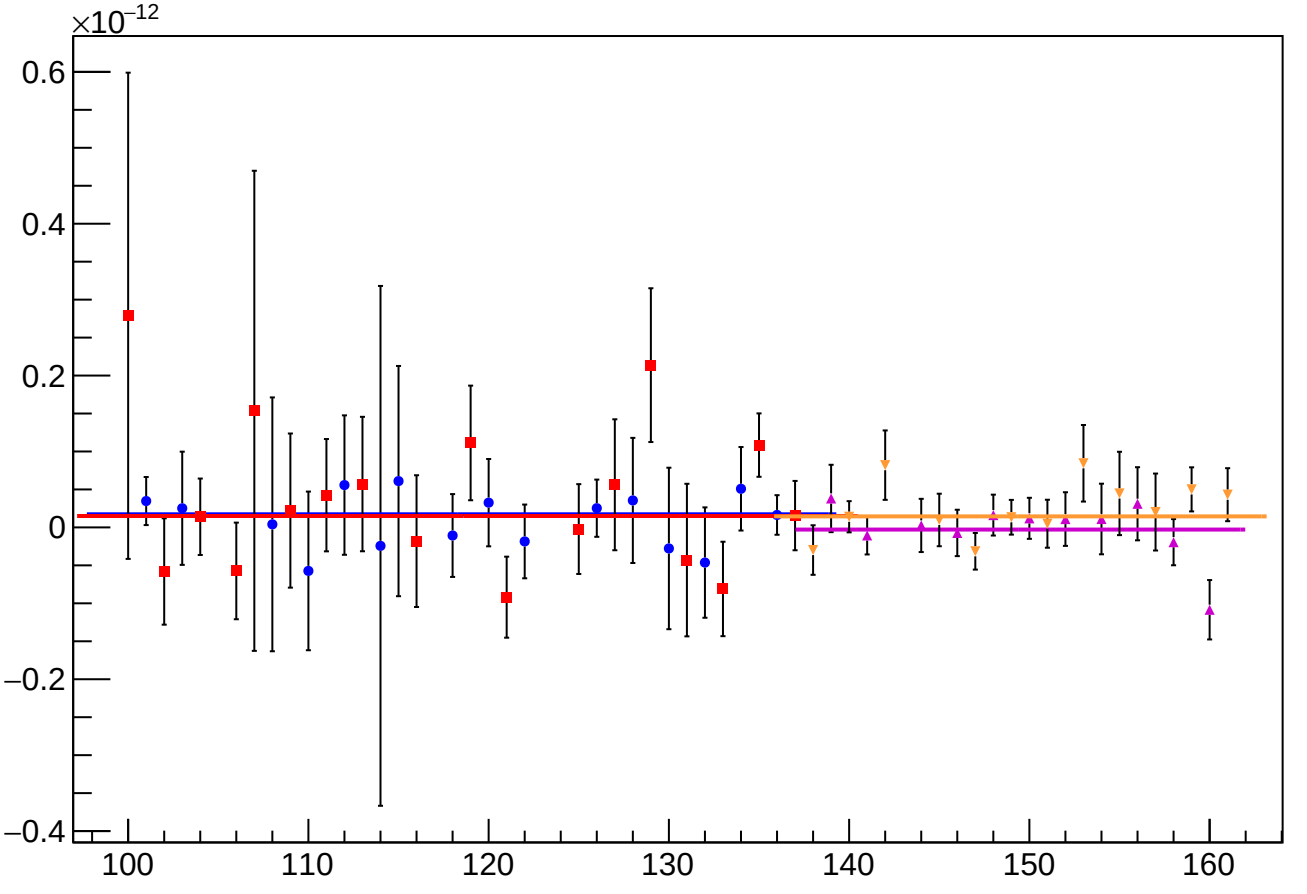
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1857.236+/-0.428 χ^2/NDF:198908.2/10

+ sign 1670.120+/-0.293 χ^2/NDF: 908332.2/27

All: 1669.952+/-0.207 χ^2/NDF: 1867181.1/56

- sign 1669.784+/-0.292 χ^2/NDF: 958848.2/28



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/11

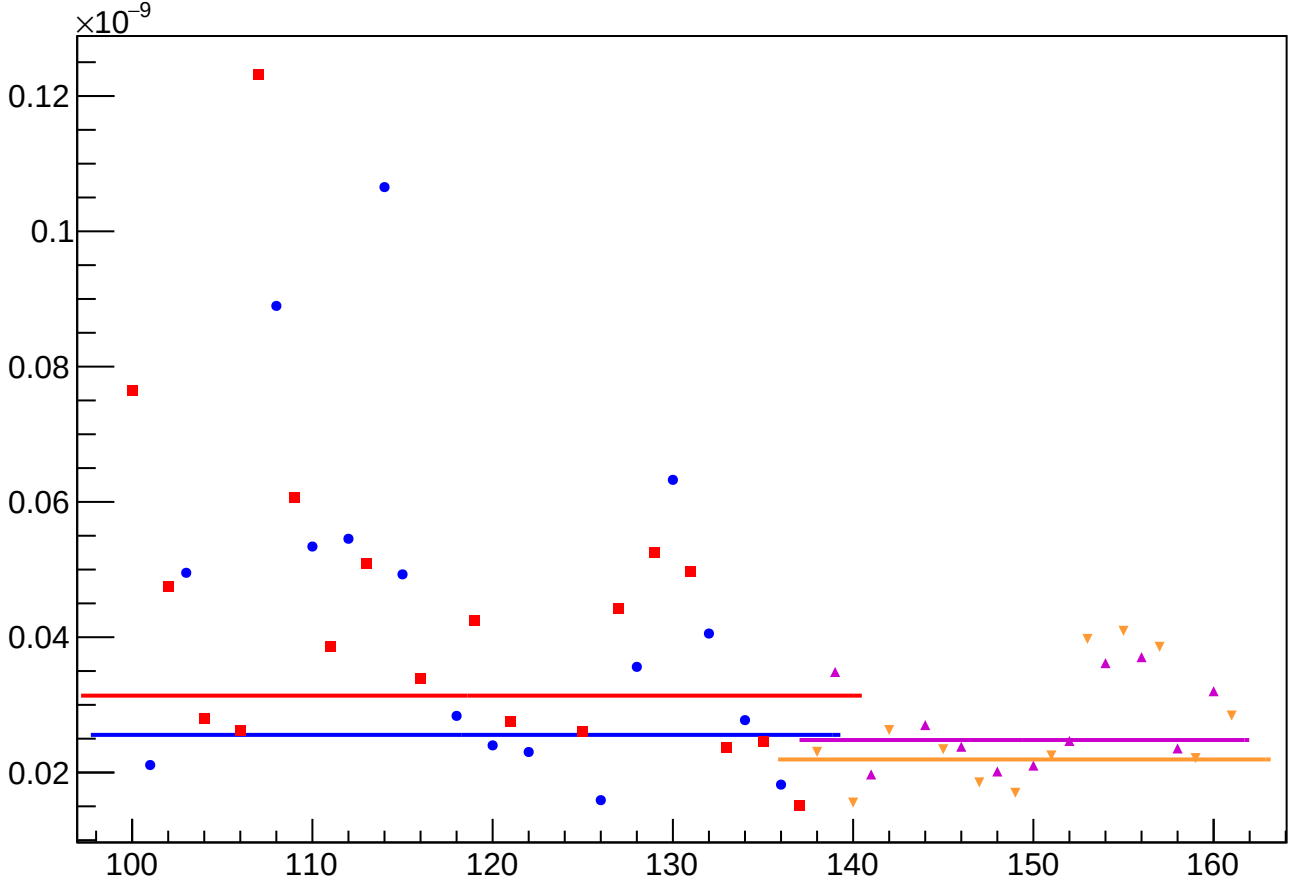
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:10.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 15.6/27

All: 0.000+/-0.000 χ^2/NDF: 49.3/56

- sign 0.000+/-0.000 χ^2/NDF: 32.3/28



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

Left Out: 0.000+/-0.000 χ^2/NDF:1124864.6/11

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

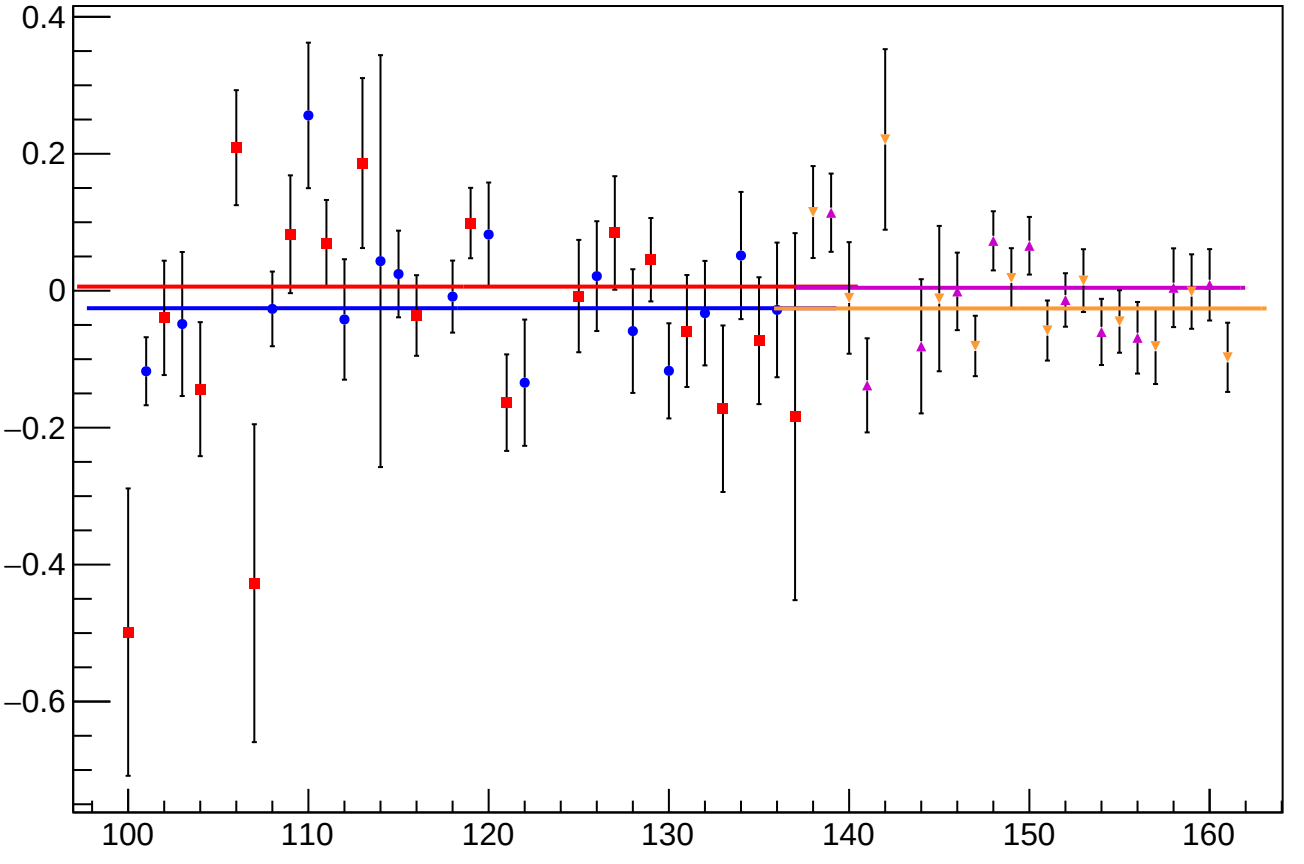
Left In: 0.000+/-0.000 χ^2/NDF:614254.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 2932879.4/27

All: 0.000+/-0.000 χ^2/NDF: 5215829.4/56

- sign 0.000+/-0.000 χ^2/NDF: 2083148.7/28

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.026+/-0.016 χ^2/NDF:15.2/11

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

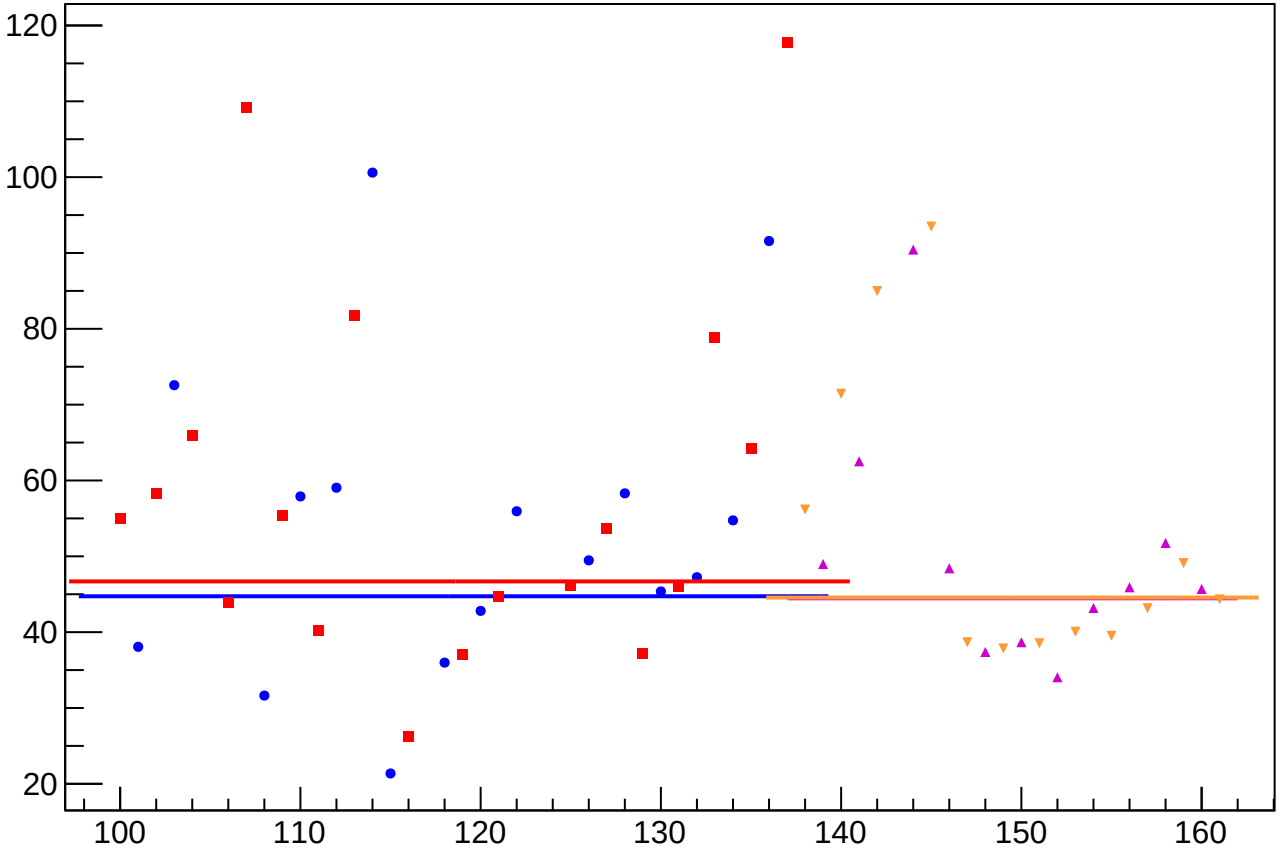
Left In: 0.004+/-0.016 χ^2/NDF:17.3/10

+ sign -0.026+/-0.012 χ^2/NDF: 32.9/27

All: -0.011+/-0.009 χ^2/NDF: 90.0/56

- sign 0.005+/-0.012 χ^2/NDF: 53.9/28

asym_usl_dit_vs_cor_diff_rms vs Slug



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

Left Out: 44.562+/-0.011 χ^2/NDF:1069820.8/11

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

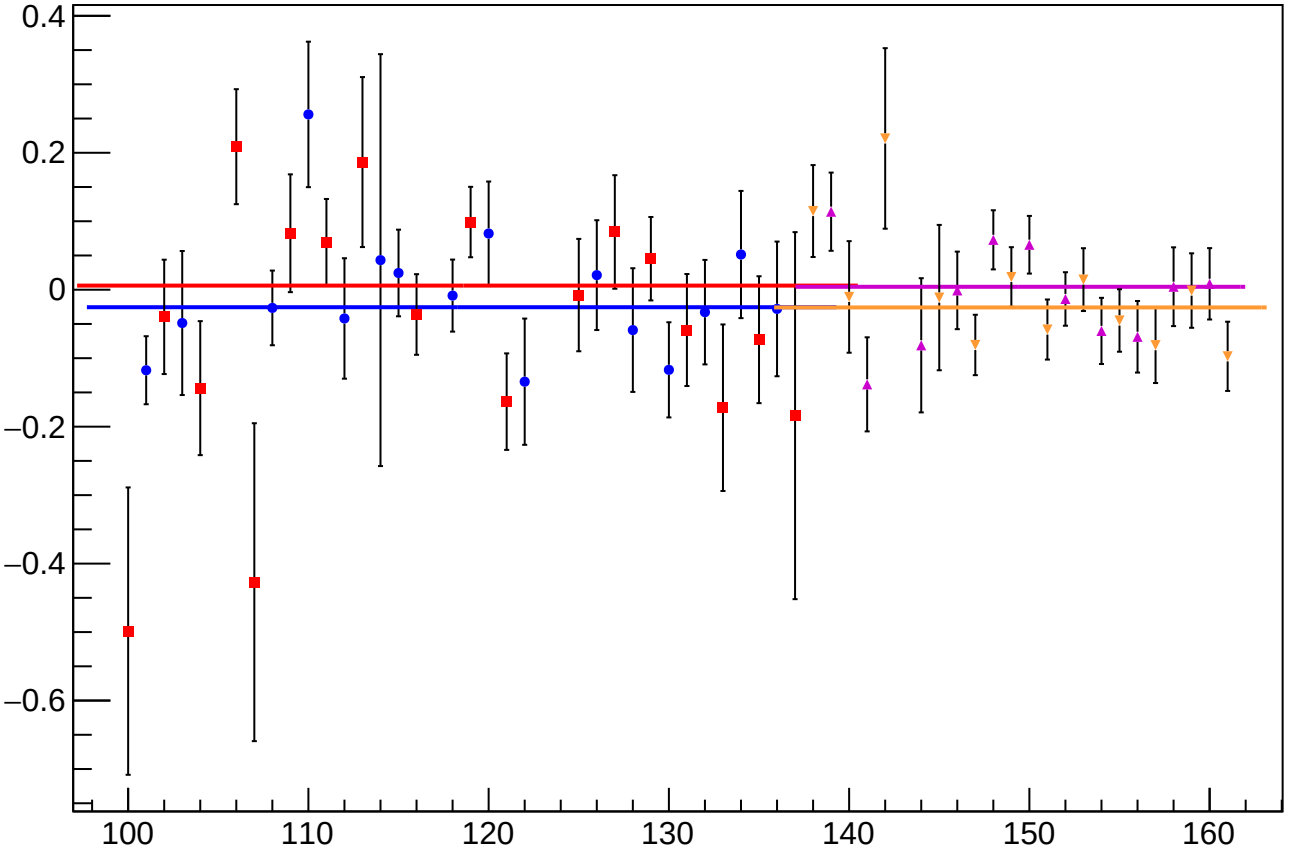
Left In: 44.464+/-0.011 χ^2/NDF:870649.5/10

\+ sign 44.632+/-0.008 χ^2/NDF: 2404460.8/27

All: 44.979+/-0.006 χ^2/NDF: 4490029.0/56

\- sign 45.333+/-0.009 χ^2/NDF: 2082194.1/28

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.026+/-0.016 χ^2/NDF:15.2/11

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

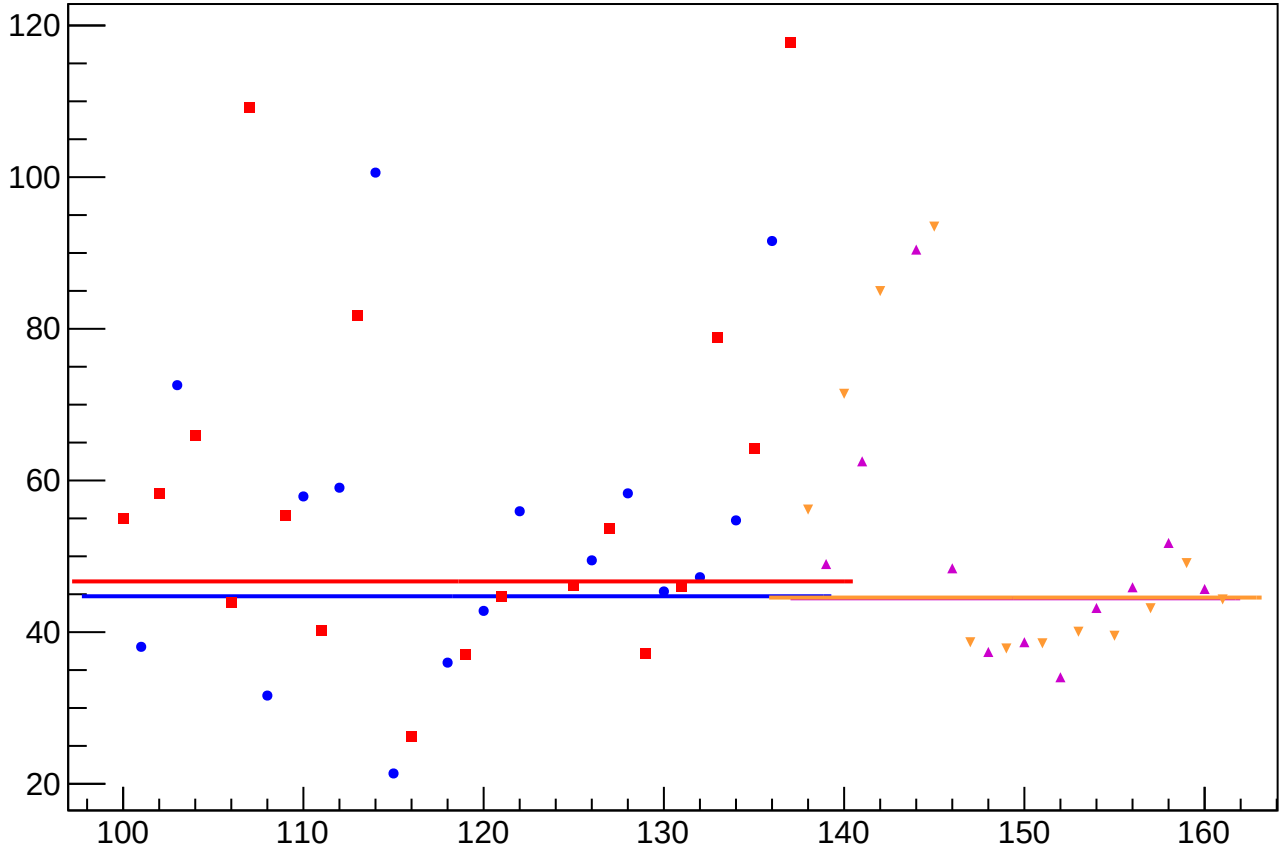
Left In: 0.004+/-0.016 χ^2/NDF:17.3/10

+ sign -0.026+/-0.012 χ^2/NDF: 32.9/27

All: -0.011+/-0.009 χ^2/NDF: 90.0/56

- sign 0.005+/-0.012 χ^2/NDF: 53.9/28

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 44.562+/-0.011 χ^2/NDF:1069820.8/11

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

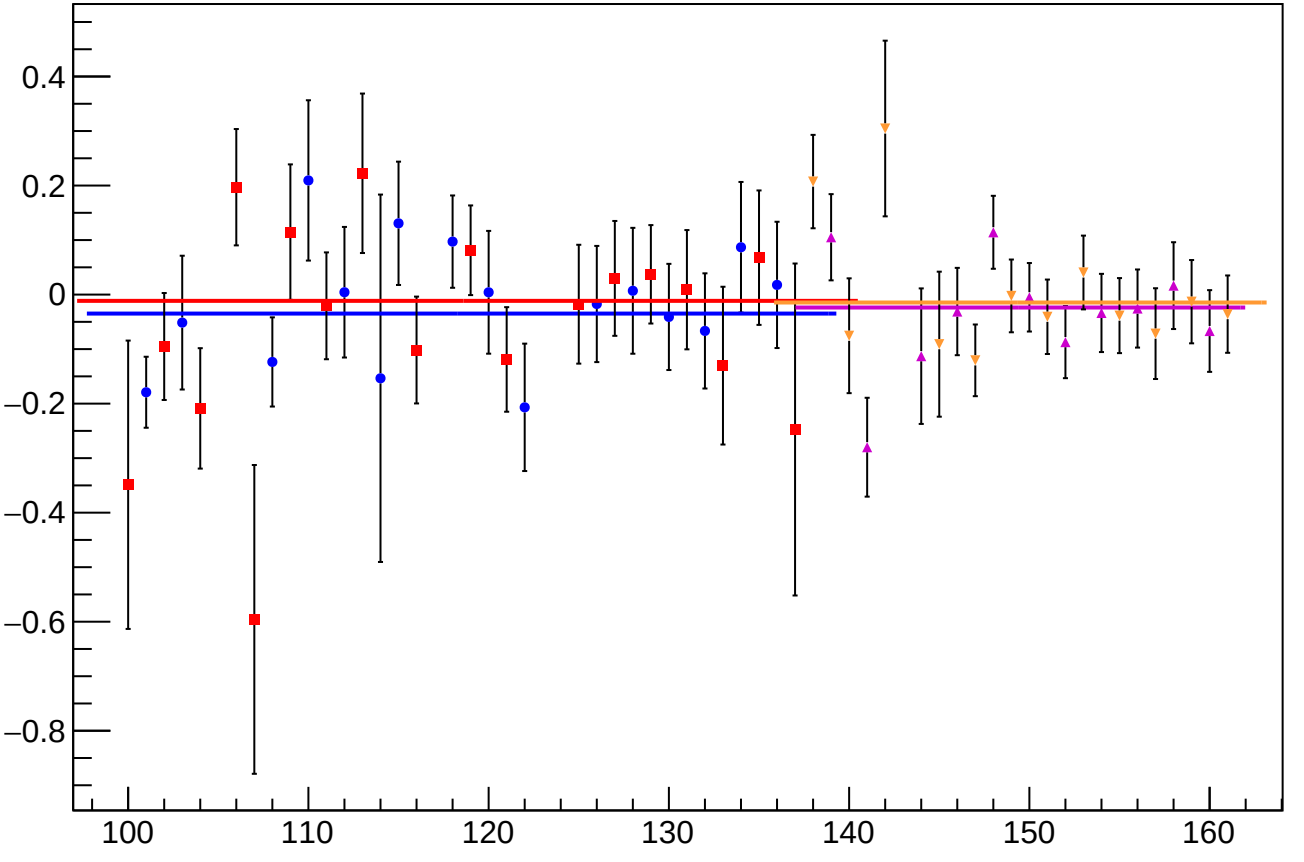
Left In: 44.464+/-0.011 χ^2/NDF:870649.5/10

+ sign 44.632+/-0.008 χ^2/NDF: 2404460.8/27

All: 44.979+/-0.006 χ^2/NDF: 4490029.0/56

- sign 45.333+/-0.009 χ^2/NDF: 2082194.1/28

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.015+/-0.023 χ^2/NDF:15.4/11

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

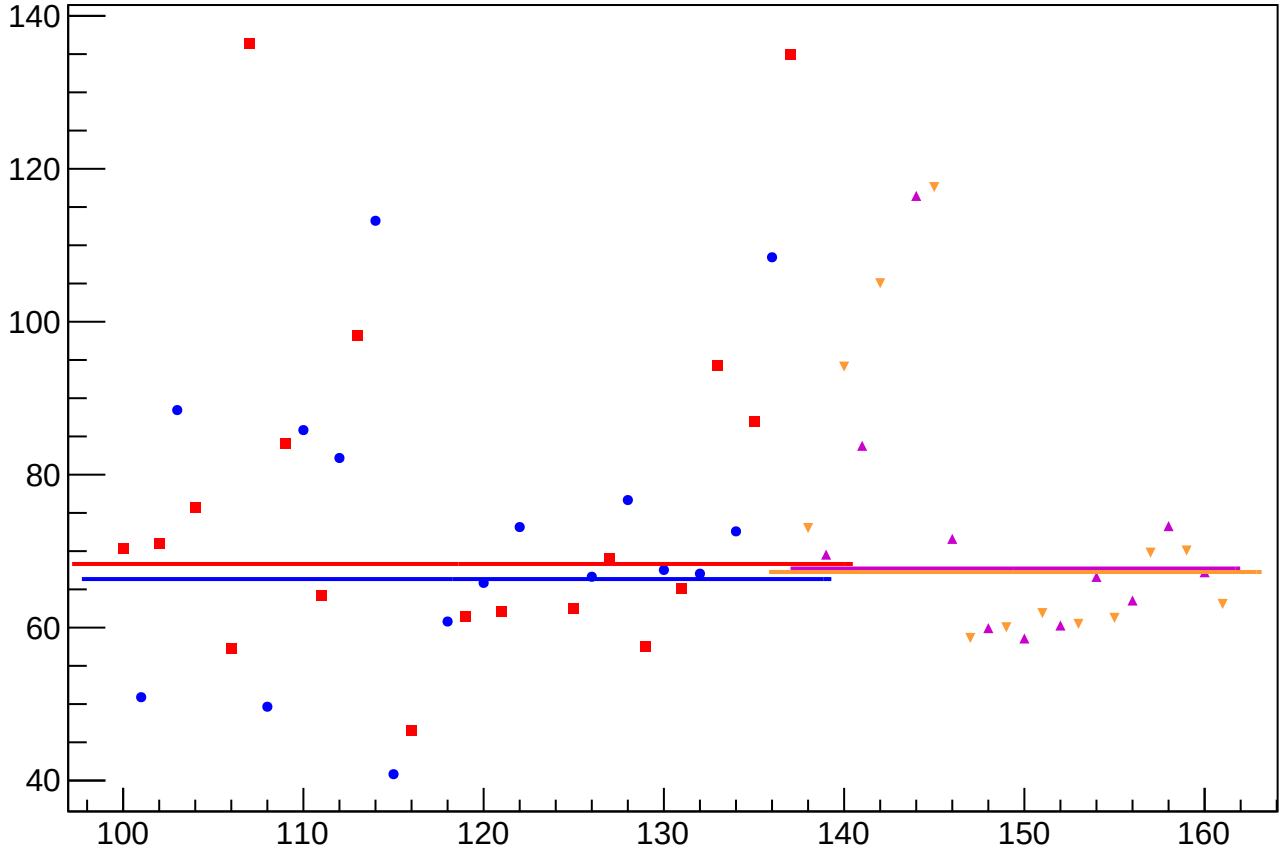
Left In: -0.024+/-0.023 χ^2/NDF:17.0/10

+ sign -0.023+/-0.017 χ^2/NDF: 33.2/27

All: -0.021+/-0.012 χ^2/NDF: 73.2/56

- sign -0.019+/-0.017 χ^2/NDF: 39.9/28

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 67.272+/-0.016 χ^2/NDF:652635.3/11

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

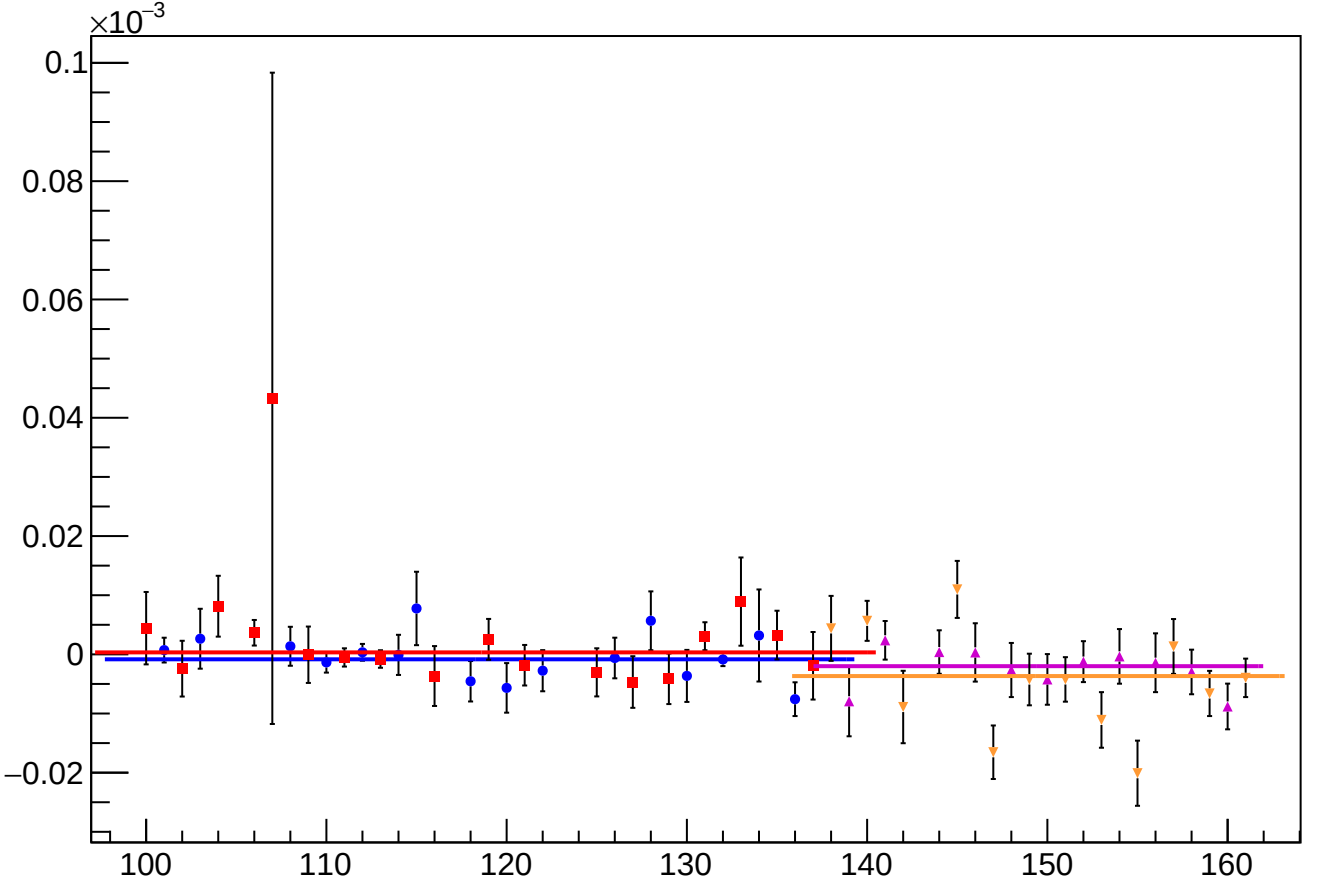
Left In: 67.727+/-0.016 χ^2/NDF:487825.6/10

+ sign 66.876+/-0.012 χ^2/NDF: 1426701.1/27

All: 67.420+/-0.009 χ^2/NDF: 2548810.6/56

- sign 67.975+/-0.012 χ^2/NDF: 1118065.6/28

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:41.0/11

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

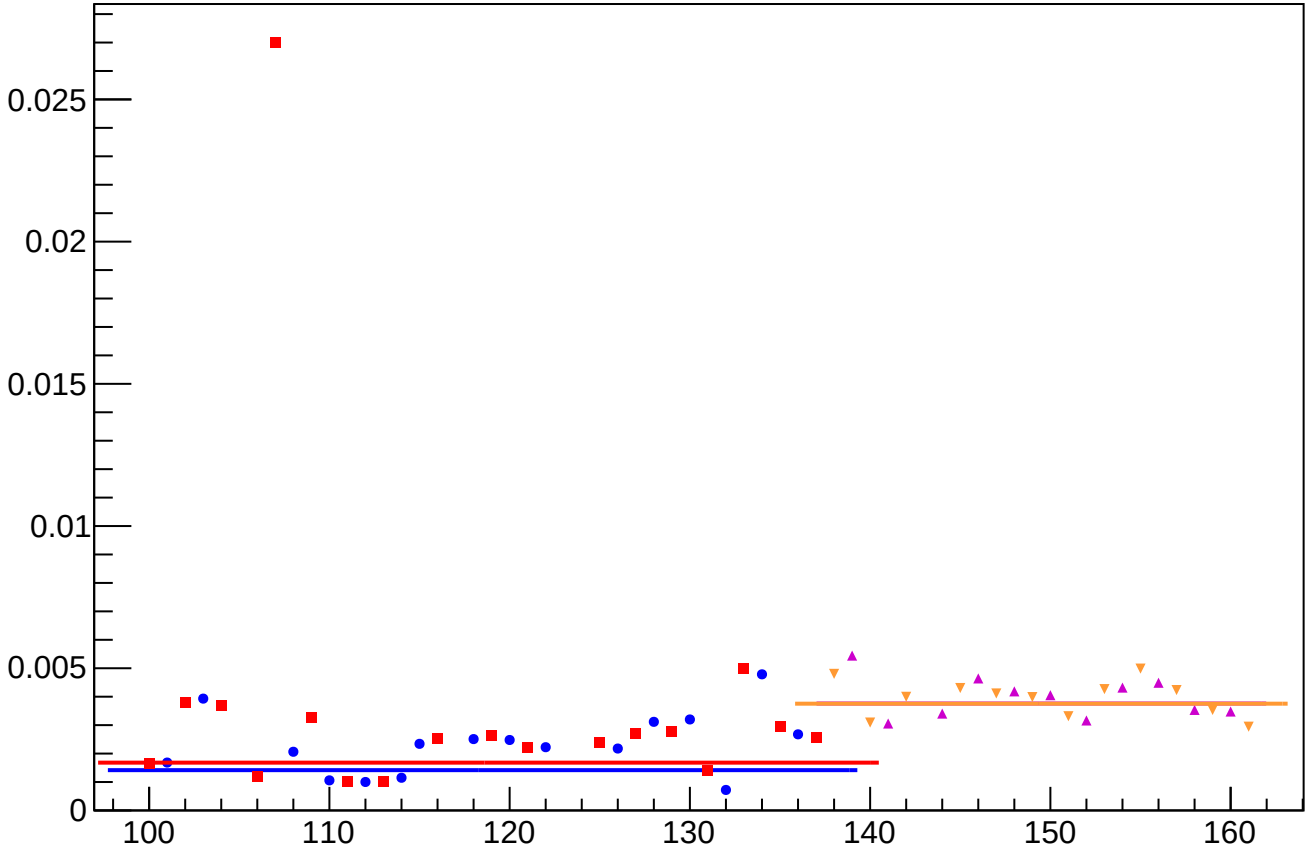
Left In: -0.000+/-0.000 χ^2/NDF:7.1/10

+ sign -0.000+/-0.000 χ^2/NDF: 60.2/27

All: -0.000+/-0.000 χ^2/NDF: 86.6/56

- sign -0.000+/-0.000 χ^2/NDF: 24.5/28

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:500712.6/11

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

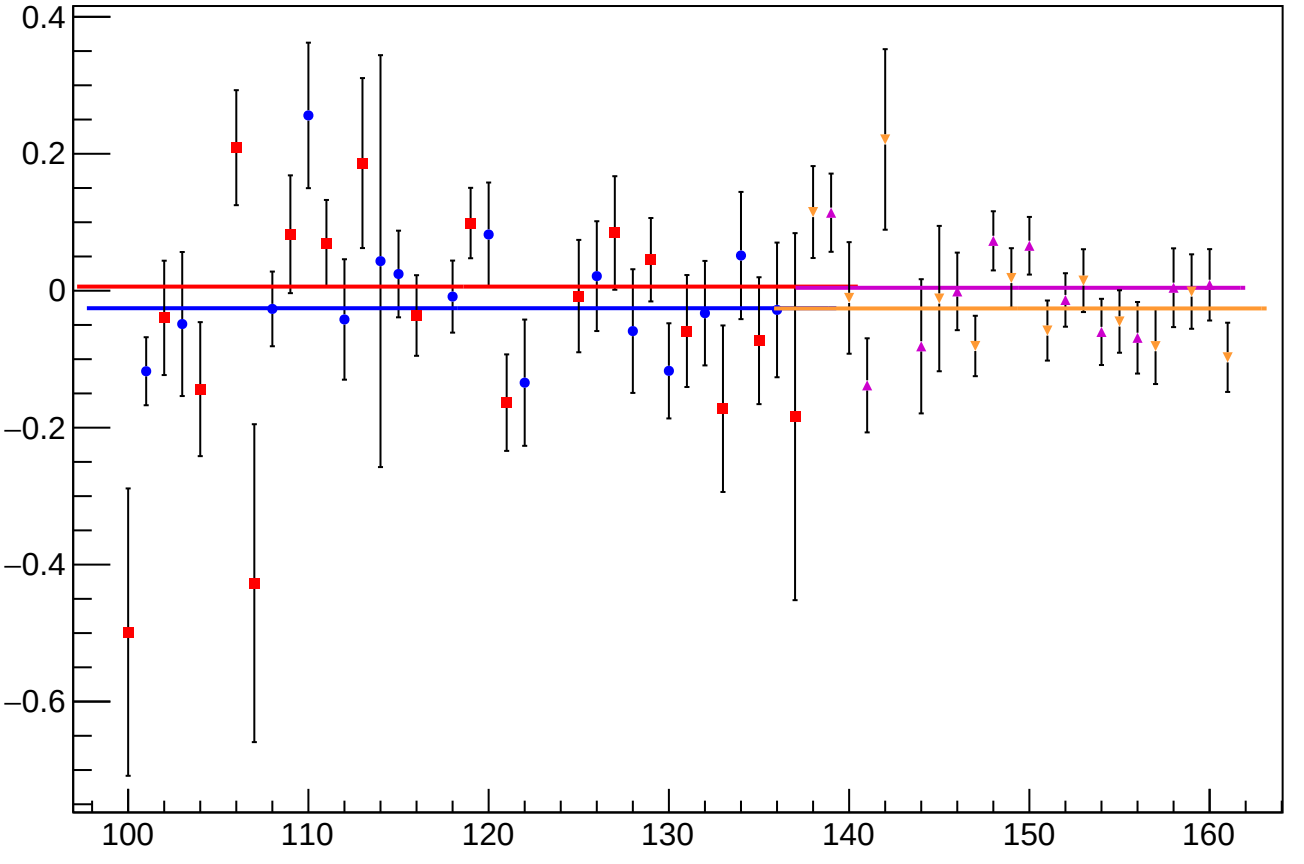
Left In: 0.004+/-0.000 χ^2/NDF:513737.0/10

+ sign 0.002+/-0.000 χ^2/NDF: 9744876.9/27

All: 0.002+/-0.000 χ^2/NDF: 18175820.3/56

- sign 0.002+/-0.000 χ^2/NDF: 8120163.0/28

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.026+/-0.016 χ^2/NDF:15.2/11

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

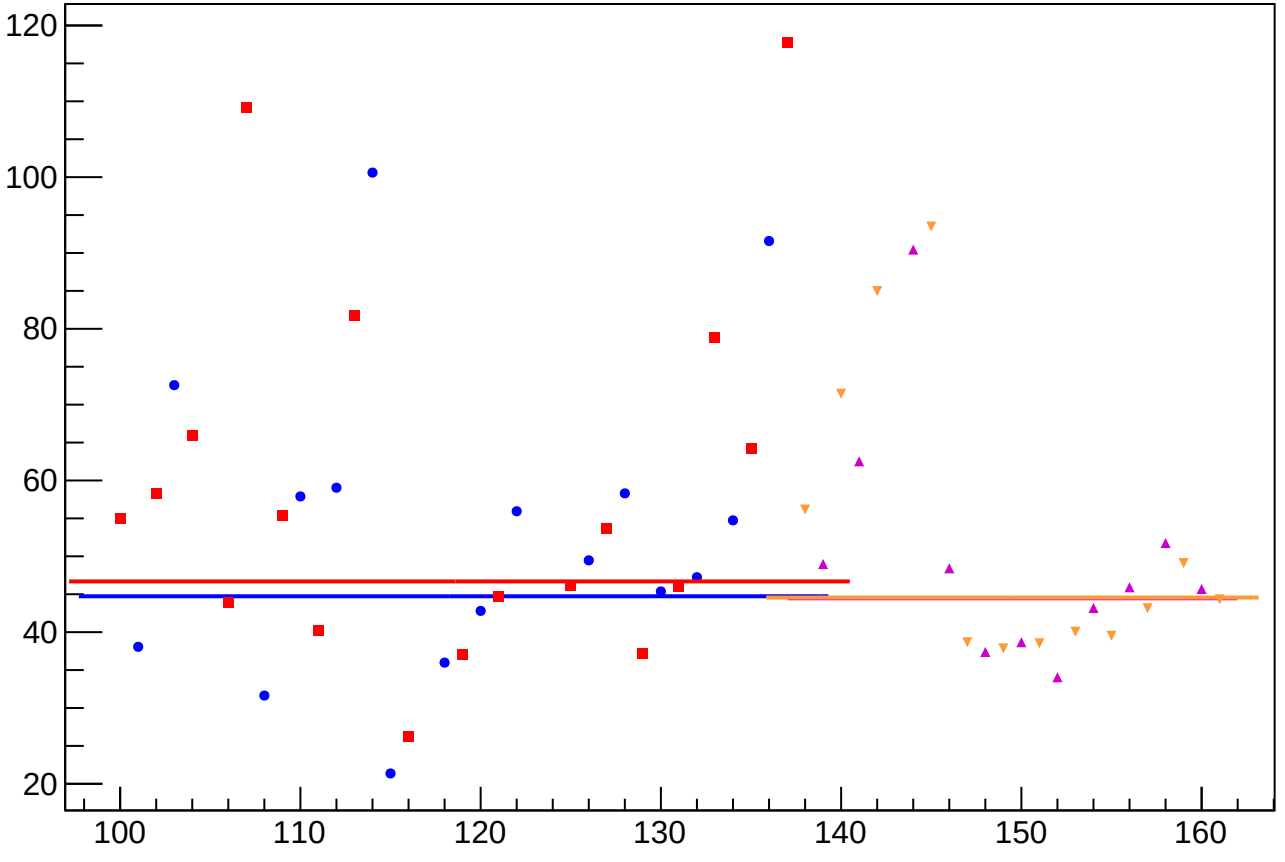
Left In: 0.004+/-0.016 χ^2/NDF:17.3/10

+ sign -0.026+/-0.012 χ^2/NDF: 32.9/27

All: -0.011+/-0.009 χ^2/NDF: 90.0/56

- sign 0.005+/-0.012 χ^2/NDF: 53.9/28

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.562+/-0.011 χ^2/NDF:1069781.0/11

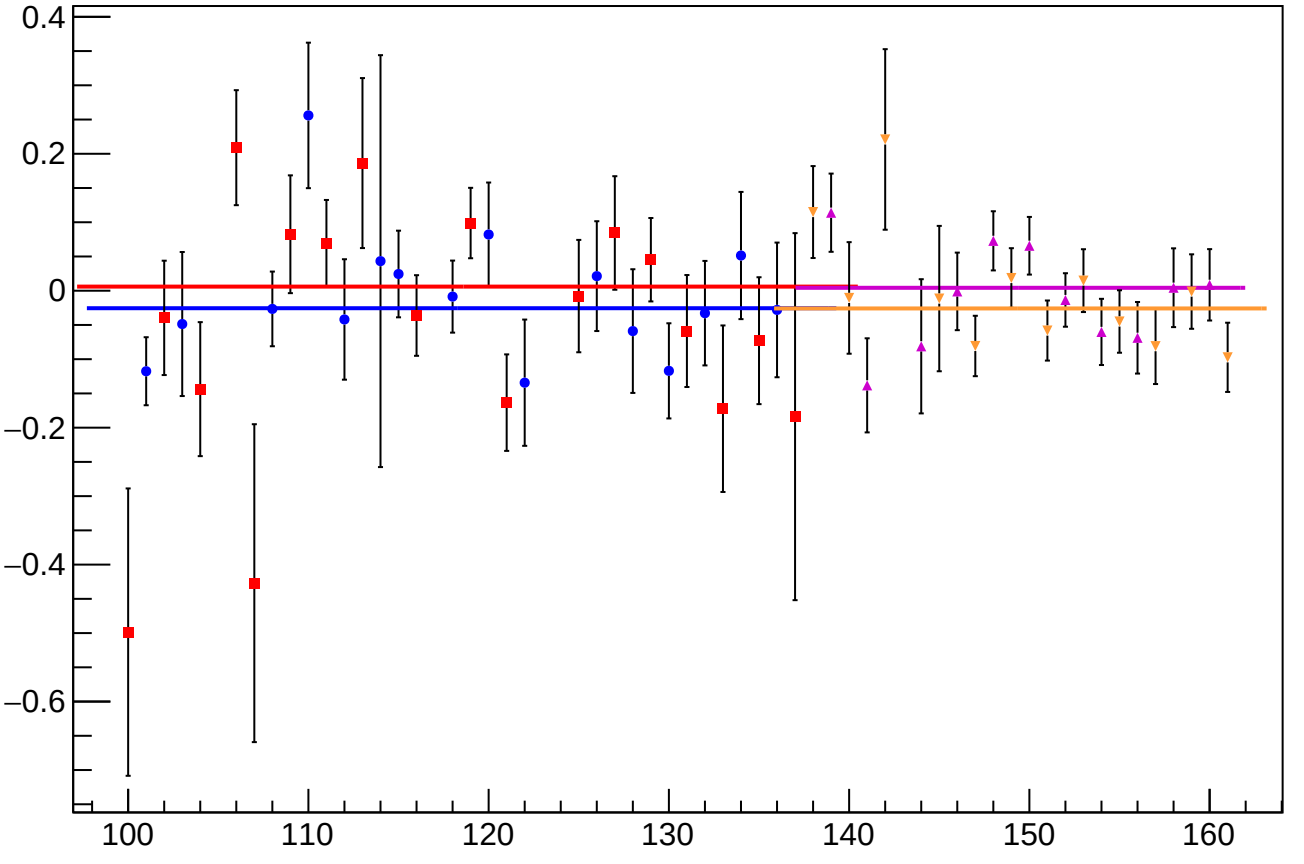
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.464+/-0.011 χ^2/NDF:870627.5/10

+ sign 44.632+/-0.008 χ^2/NDF: 2404481.7/27

All: 44.979+/-0.006 χ^2/NDF: 4490049.6/56

- sign 45.333+/-0.009 χ^2/NDF: 2082193.2/28



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

Left Out: -0.026+/-0.016 χ^2/NDF:15.2/11

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

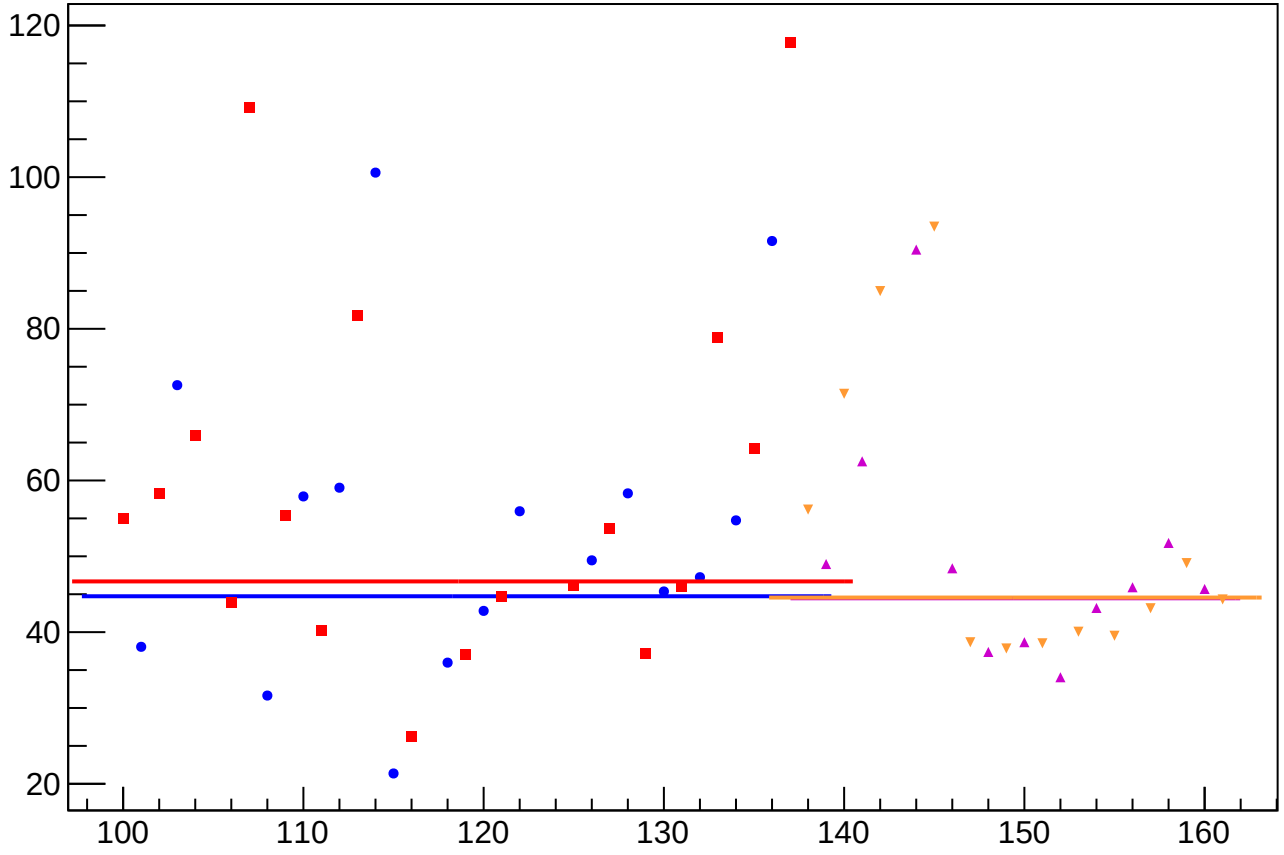
Left In: 0.004+/-0.016 χ^2/NDF:17.3/10

+ sign -0.026+/-0.012 χ^2/NDF: 32.9/27

All: -0.011+/-0.009 χ^2/NDF: 90.0/56

- sign 0.005+/-0.012 χ^2/NDF: 53.9/28

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: 44.562+/-0.011 χ^2/NDF:1069781.0/11

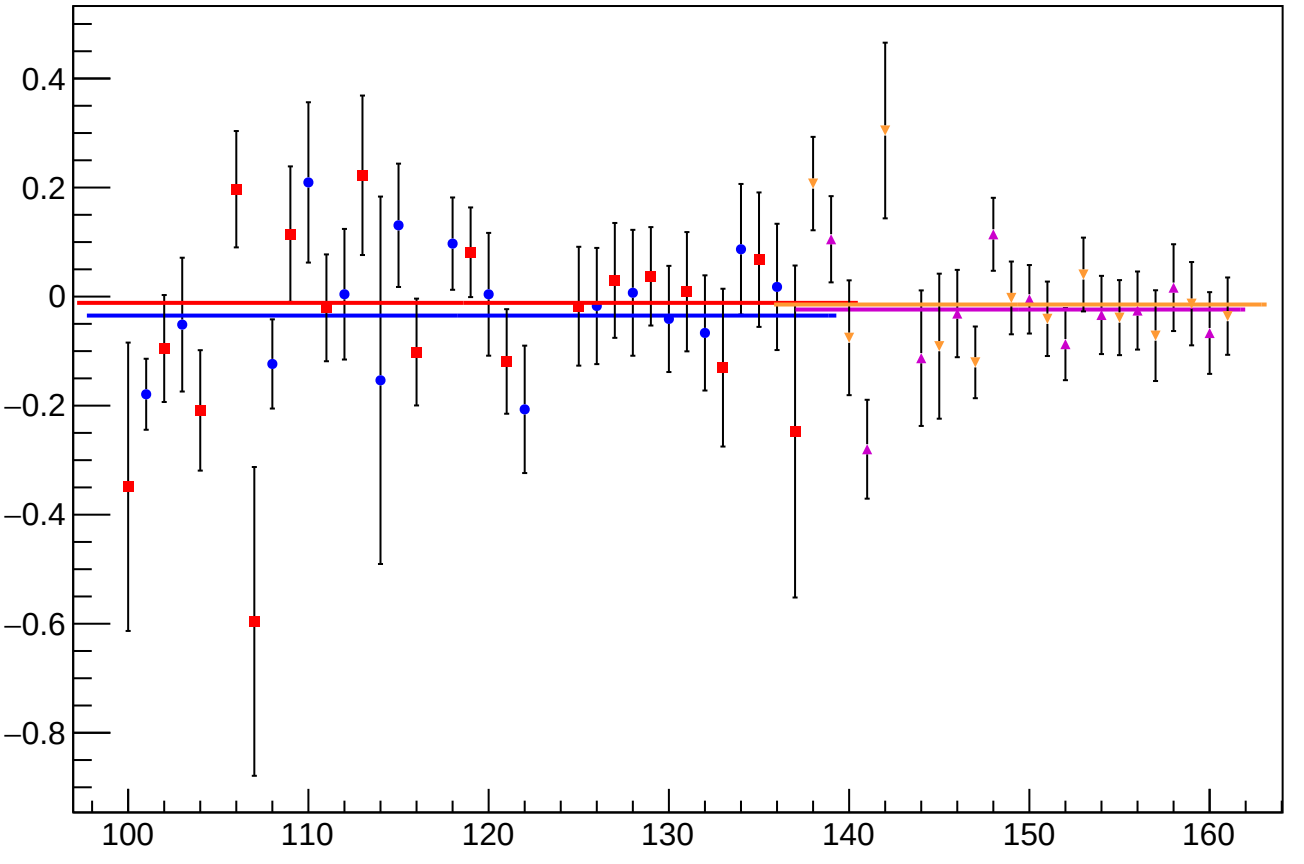
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.464+/-0.011 χ^2/NDF:870627.5/10

+ sign 44.632+/-0.008 χ^2/NDF: 2404481.7/27

All: 44.979+/-0.006 χ^2/NDF: 4490049.6/56

- sign 45.333+/-0.009 χ^2/NDF: 2082193.2/28



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

Left Out: -0.015+/-0.023 χ^2/NDF:15.4/11

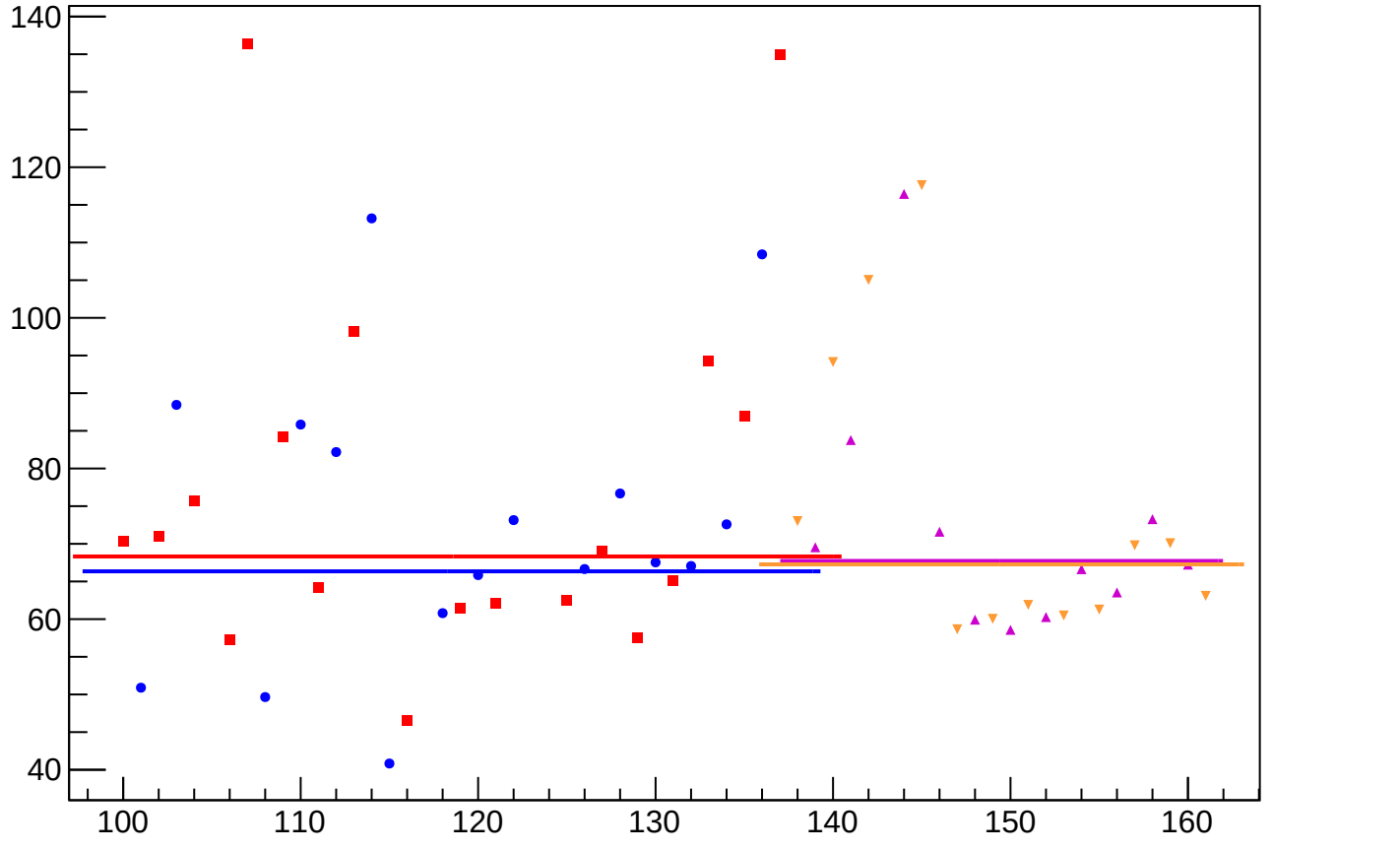
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.024+/-0.023 χ^2/NDF:17.0/10

+ sign -0.023+/-0.017 χ^2/NDF: 33.2/27

All: -0.021+/-0.012 χ^2/NDF: 73.2/56

- sign -0.019+/-0.017 χ^2/NDF: 39.9/28



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 67.272+/-0.016 χ^2/NDF:652621.0/11

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

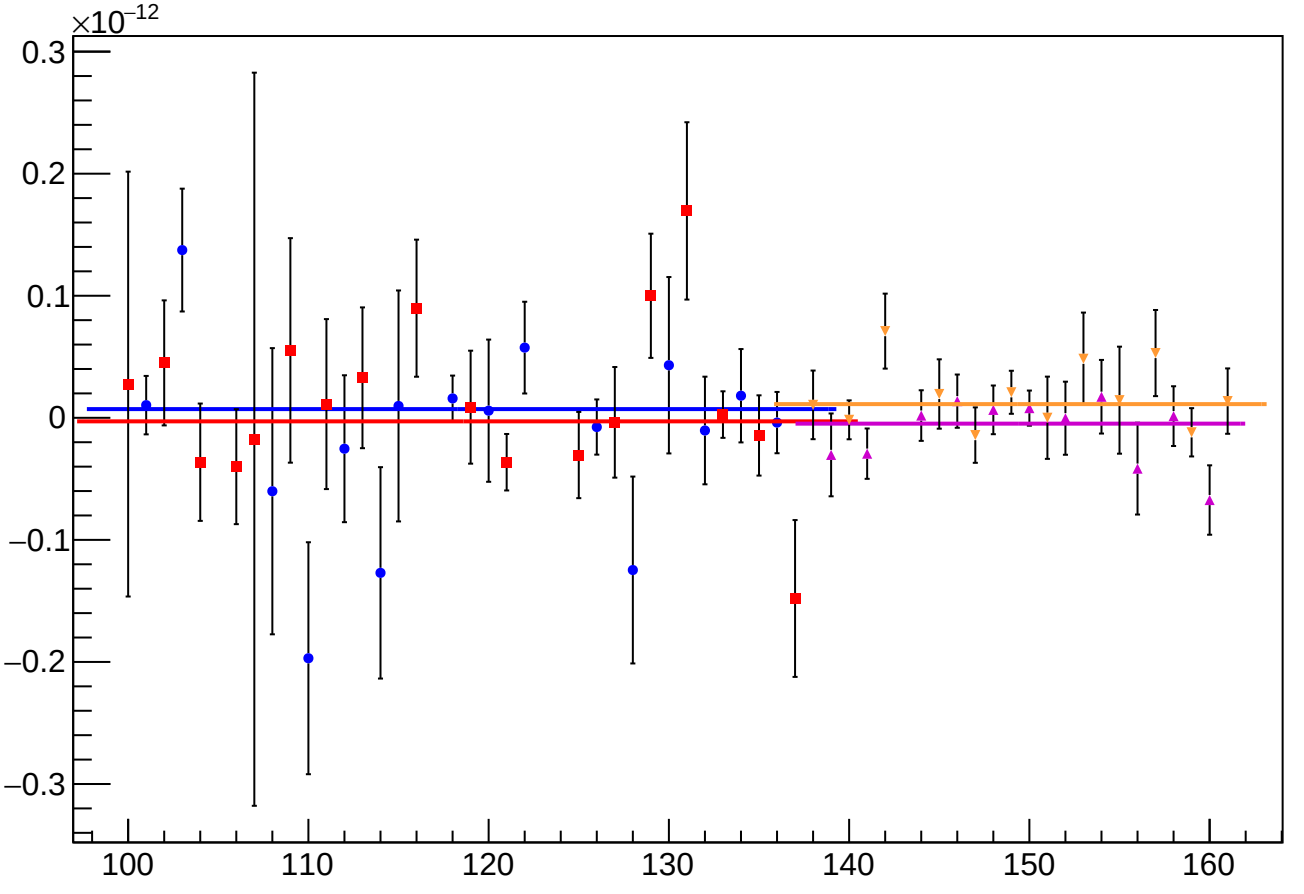
Left In: 67.727+/-0.016 χ^2/NDF:487817.1/10

+ sign 66.876+/-0.012 χ^2/NDF: 1426696.0/27

All: 67.420+/-0.009 χ^2/NDF: 2548790.5/56

- sign 67.975+/-0.012 χ^2/NDF: 1118051.0/28

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:9.9/11

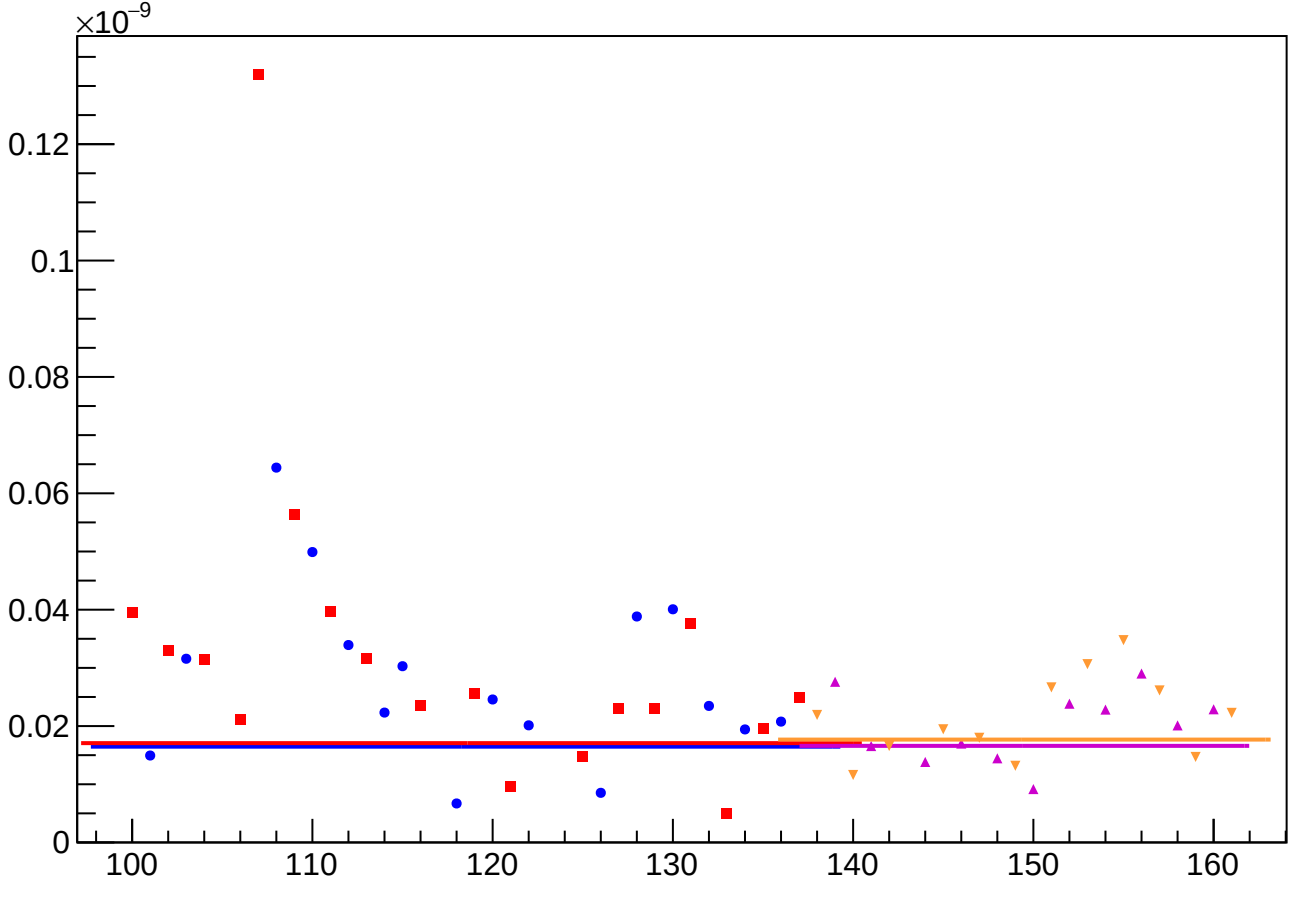
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: -0.000+/-0.000 χ^2/NDF:10.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 30.5/27

All: 0.000+/-0.000 χ^2/NDF: 67.2/56

- sign -0.000+/-0.000 χ^2/NDF: 33.7/28



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

Left Out: 0.000+/-0.000 χ^2/NDF:1376864.4/11

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

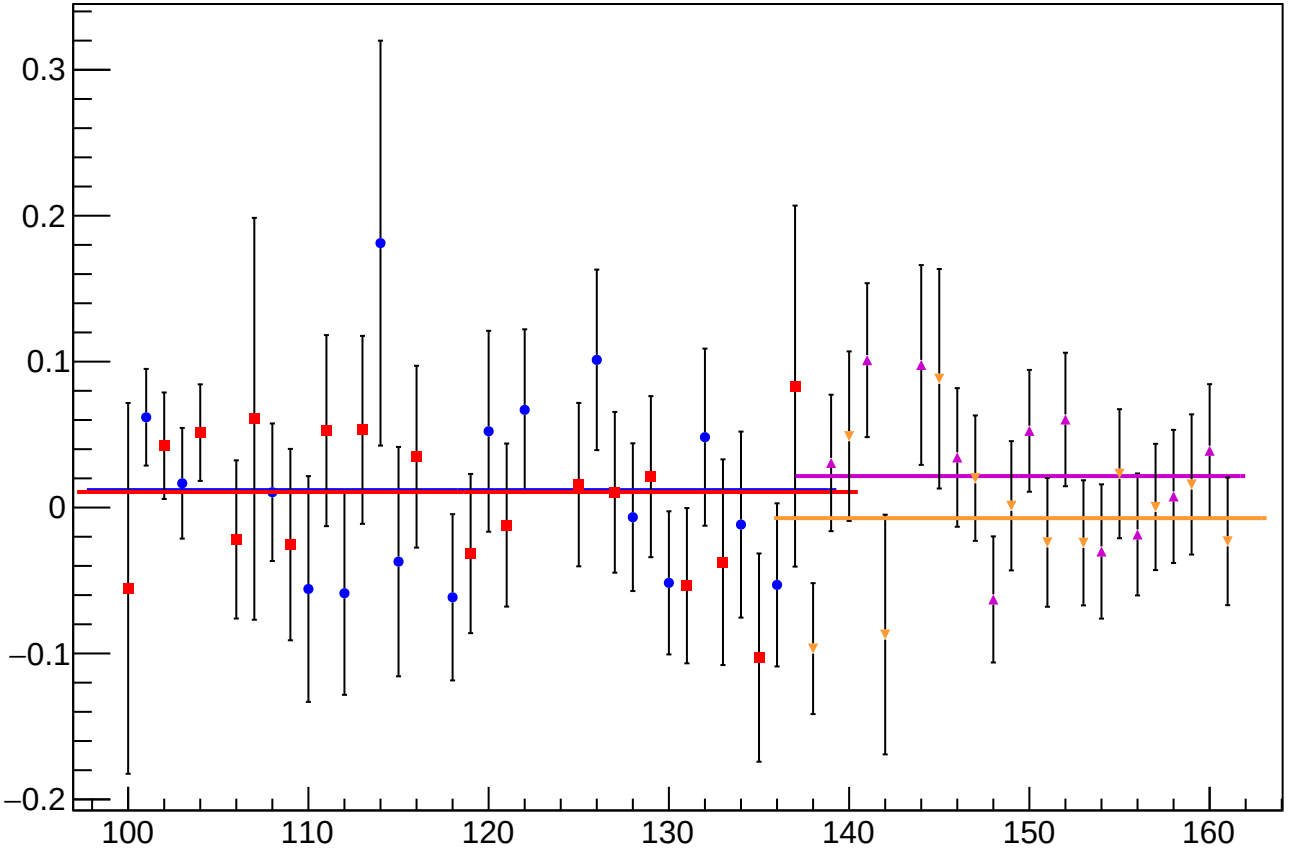
Left In: 0.000+/-0.000 χ^2/NDF:1362385.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 3744503.8/27

All: 0.000+/-0.000 χ^2/NDF: 7907983.0/56

- sign 0.000+/-0.000 χ^2/NDF: 4156774.8/28

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.007+/-0.014 χ^2/NDF:9.1/11

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

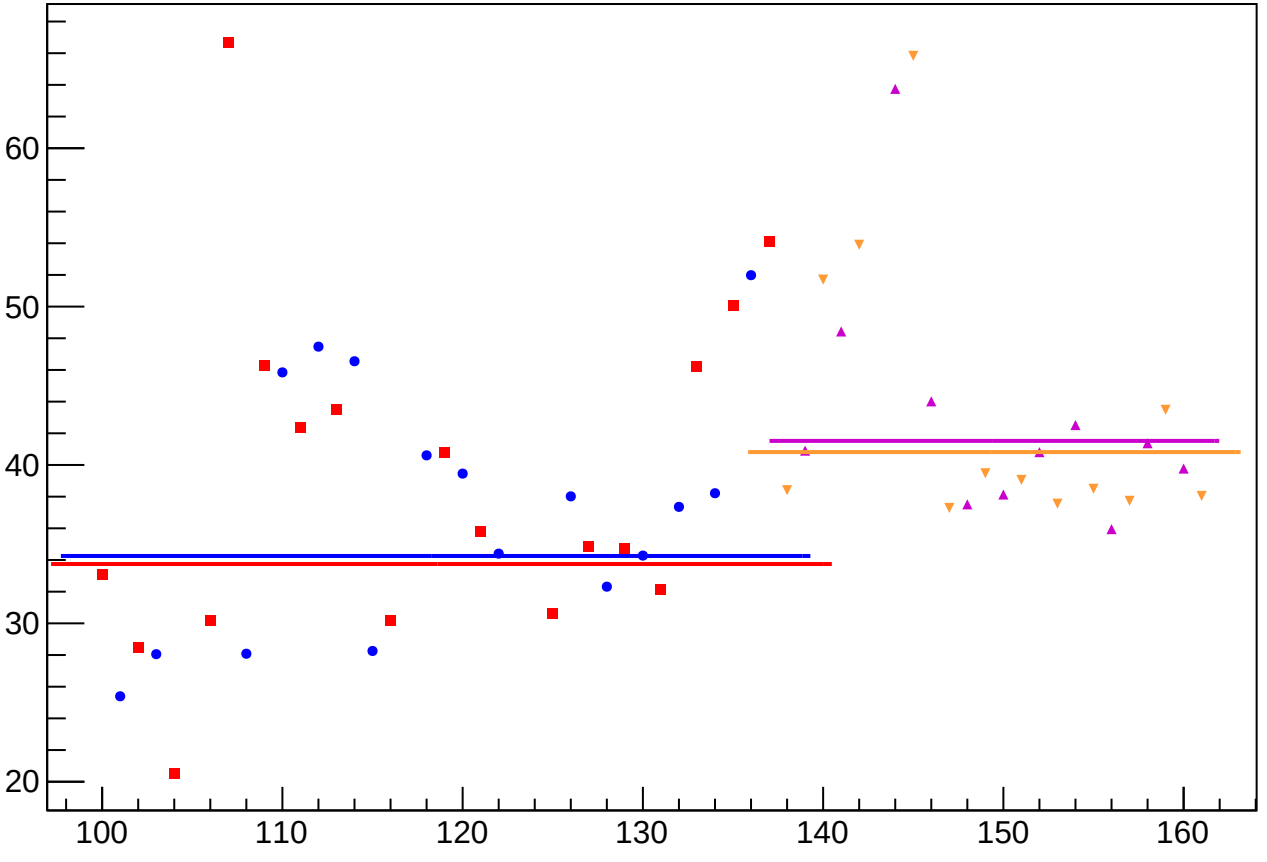
Left In: 0.022+/-0.014 χ^2/NDF:11.1/10

+ sign 0.002+/-0.010 χ^2/NDF: 24.7/27

All: 0.009+/-0.007 χ^2/NDF: 47.1/56

- sign 0.016+/-0.010 χ^2/NDF: 21.4/28

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 40.814+/-0.010 χ^2/NDF:407864.5/11

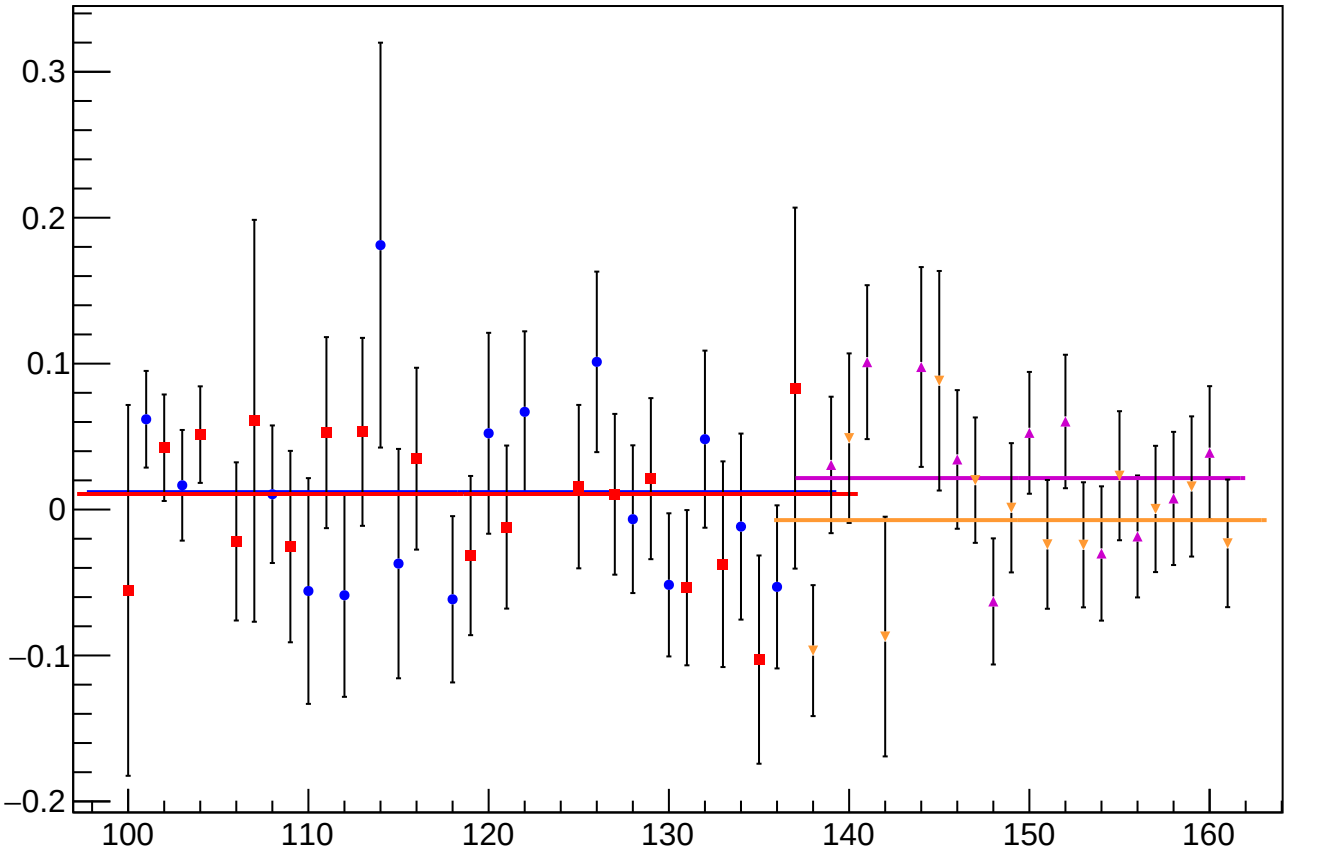
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.520+/-0.010 χ^2/NDF:321247.9/10

+ sign 37.483+/-0.007 χ^2/NDF: 1272449.5/27

All: 37.472+/-0.005 χ^2/NDF: 2825331.9/56

- sign 37.461+/-0.007 χ^2/NDF: 1552877.6/28



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

Left Out: -0.007+/-0.014 χ^2/NDF:9.1/11

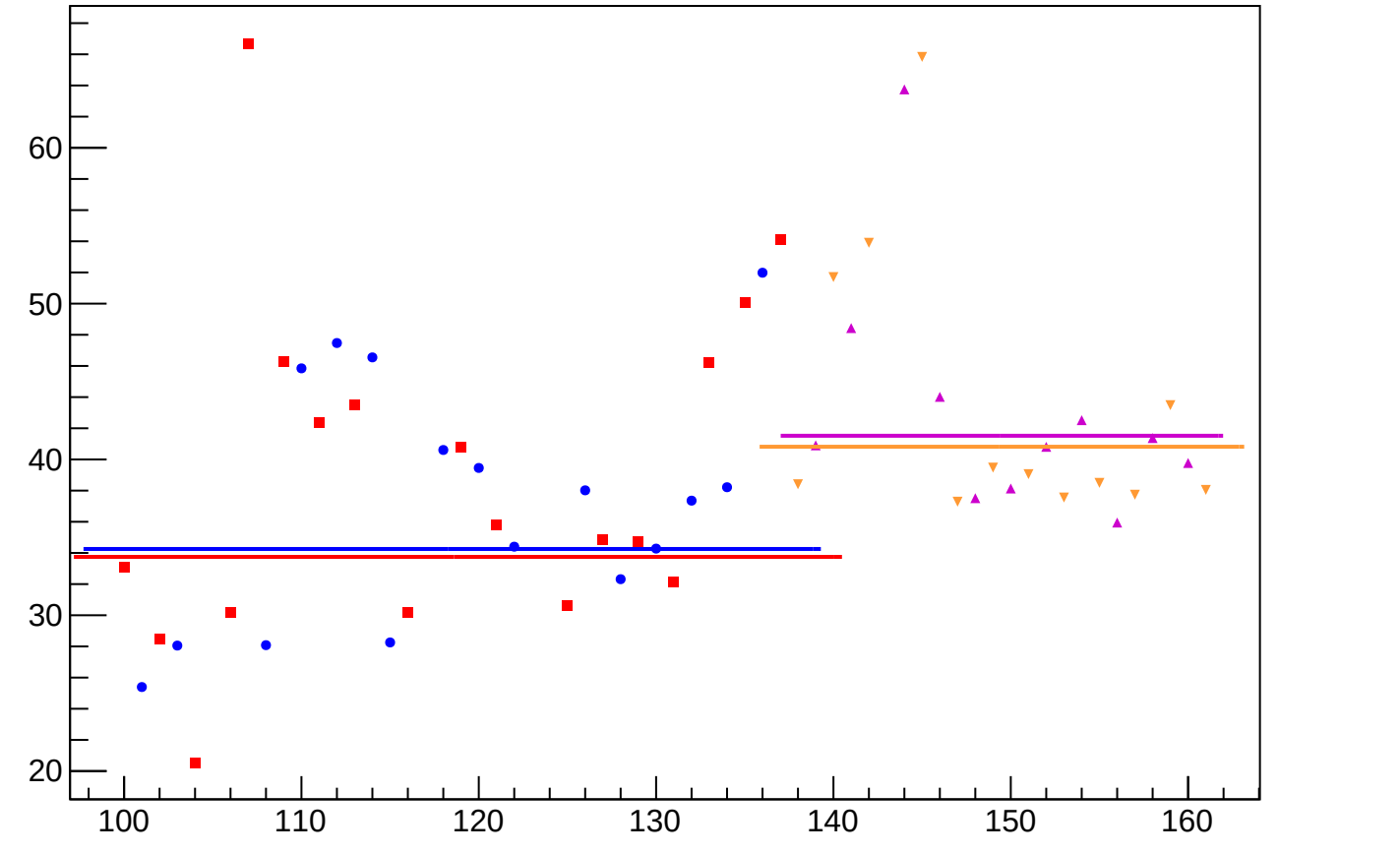
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.022+/-0.014 χ^2/NDF:11.1/10

+ sign 0.002+/-0.010 χ^2/NDF: 24.7/27

All: 0.009+/-0.007 χ^2/NDF: 47.1/56

- sign 0.016+/-0.010 χ^2/NDF: 21.4/28



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 40.814+/-0.010 χ^2/NDF:407864.5/11

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

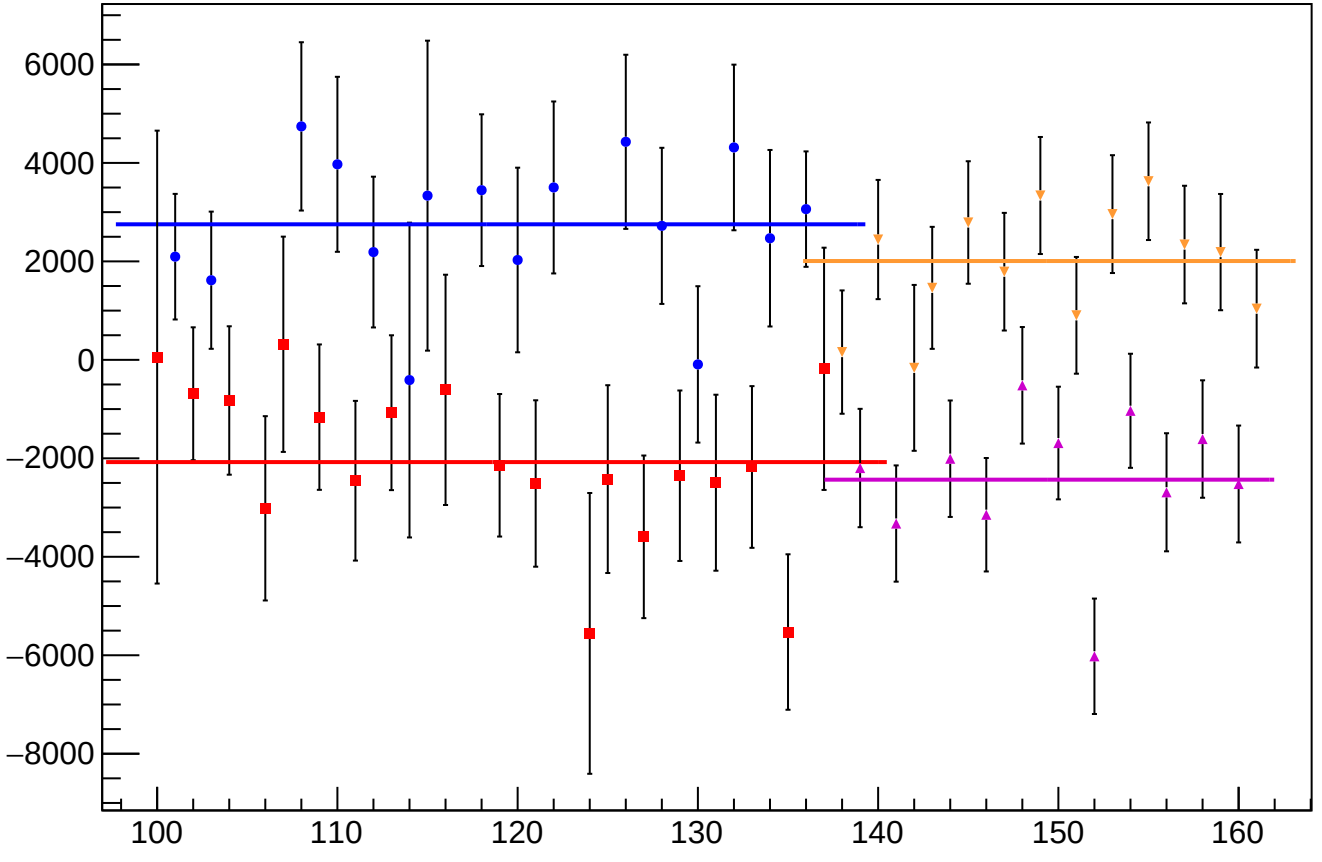
Left In: 41.520+/-0.010 χ^2/NDF:321247.9/10

+ sign 37.483+/-0.007 χ^2/NDF: 1272449.5/27

All: 37.472+/-0.005 χ^2/NDF: 2825331.9/56

- sign 37.461+/-0.007 χ^2/NDF: 1552877.6/28

reg_asym_usr_mean vs Slug



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

Left Out: 2007.234+/-340.867 χ^2/NDF:9.9/12

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

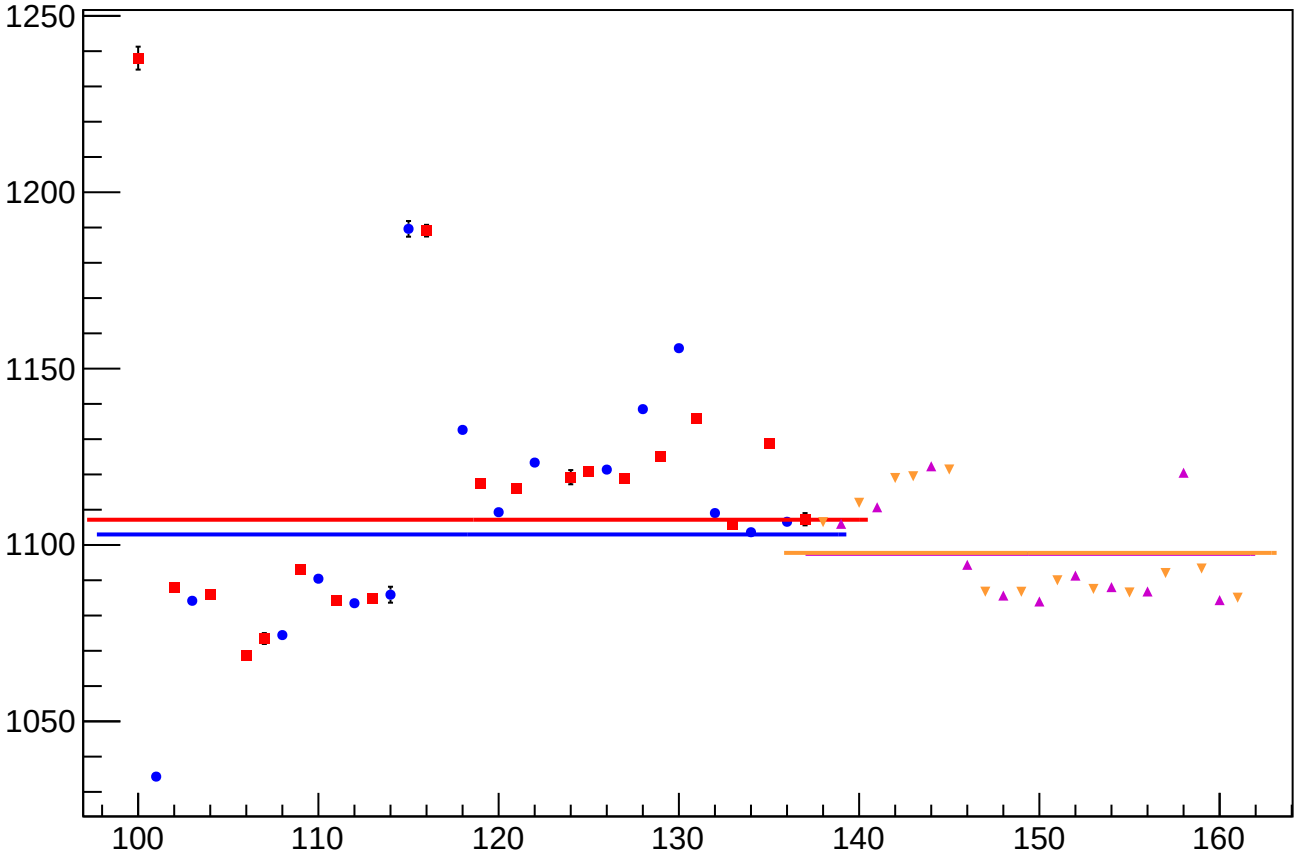
Left In: -2433.680+/-354.985 χ^2/NDF:15.5/10

+ sign 2312.224+/-262.070 χ^2/NDF: 21.4/28

All: 56.529+/-186.895 χ^2/NDF: 200.7/58

- sign -2277.959+/-266.608 χ^2/NDF: 28.5/29

reg_asym_usr_rms vs Slug



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

Left Out: 1097.761+/-0.241 χ^2/NDF:3075.8/12

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

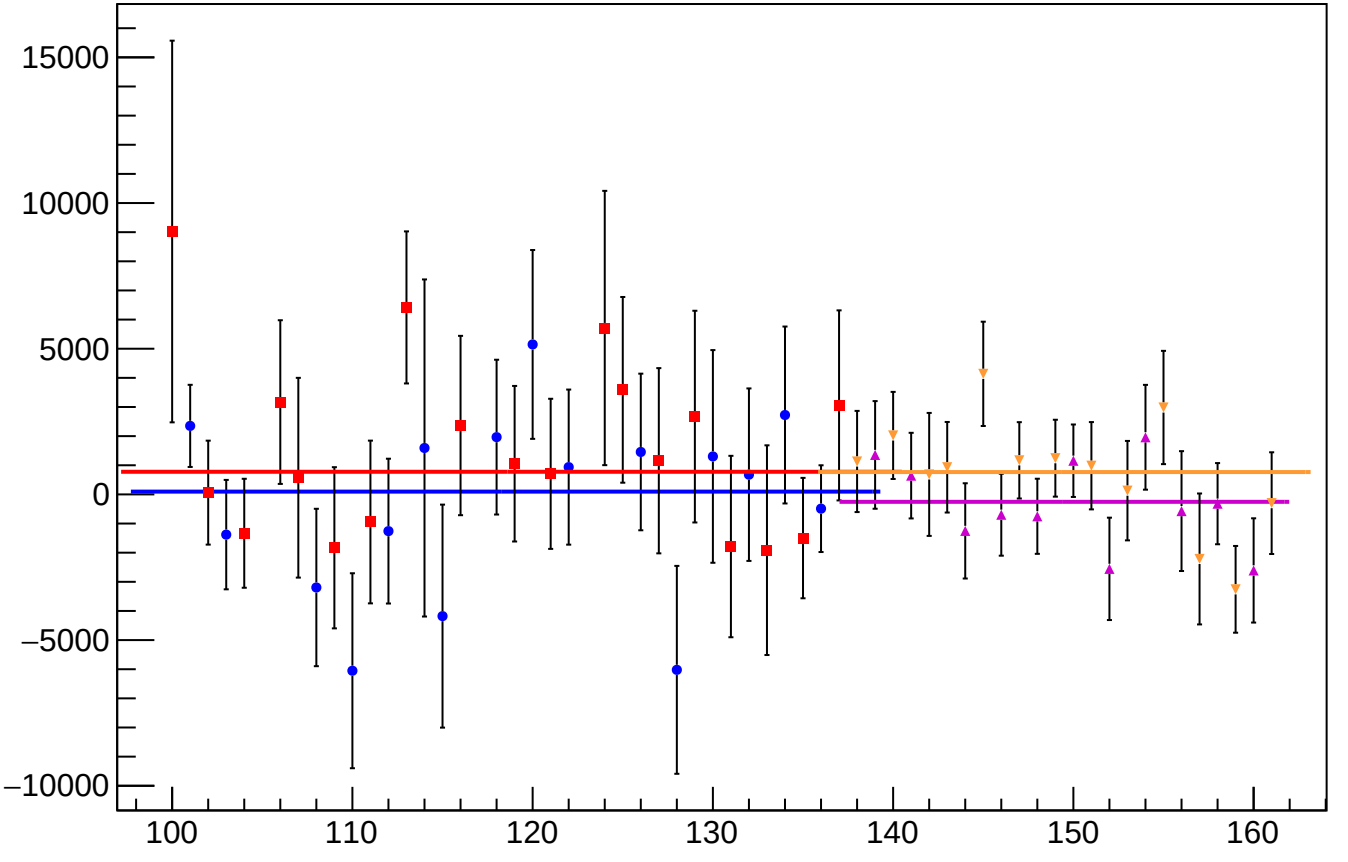
Left In: 1097.485+/-0.251 χ^2/NDF:3058.0/10

+ sign 1099.898+/-0.185 χ^2/NDF: 16491.9/28

All: 1100.785+/-0.132 χ^2/NDF: 28927.3/58

- sign 1101.703+/-0.189 χ^2/NDF: 12388.9/29

asym_usr_reg_correction_mean vs Slug



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

Left Out: 766.998+/-450.919 χ^2/NDF:15.4/12

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

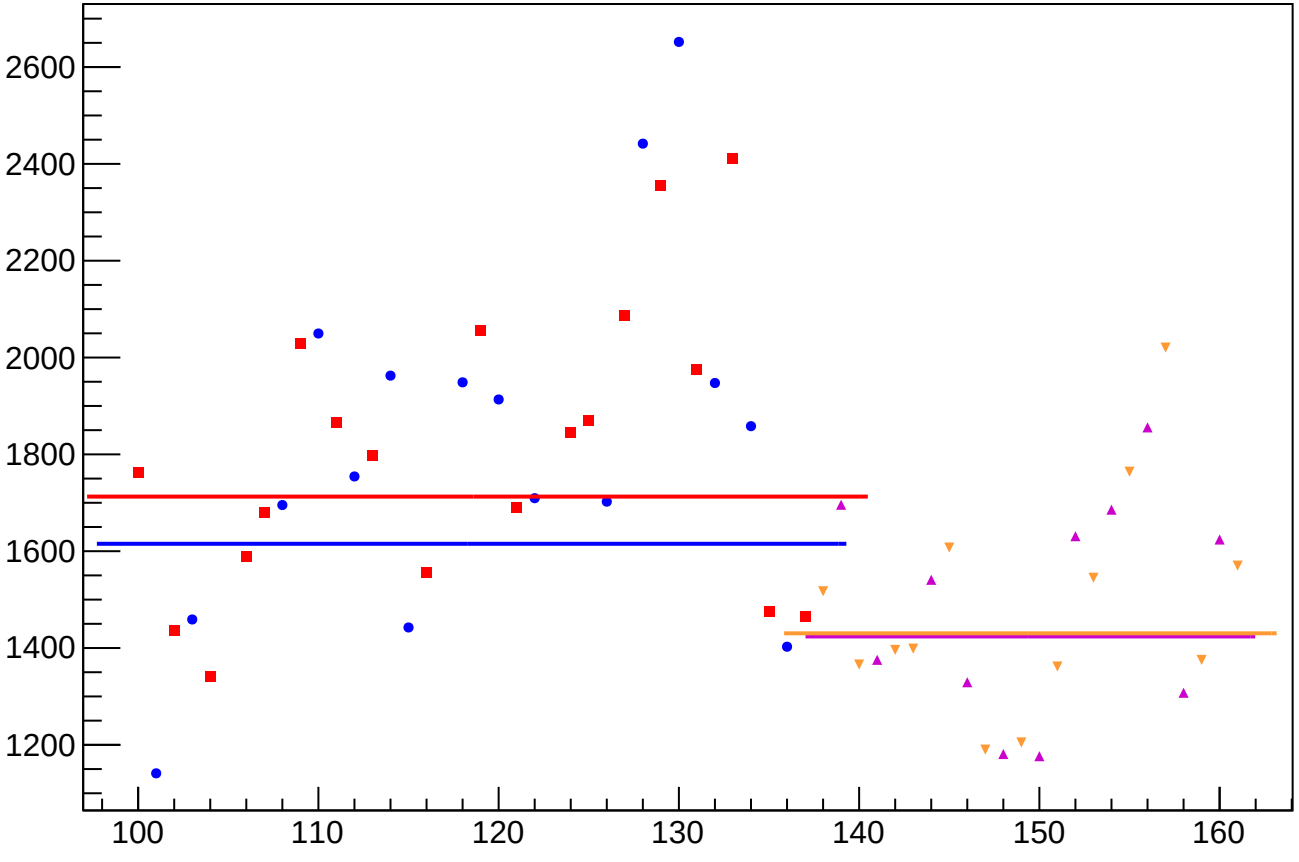
Left In: -254.508+/-467.171 χ^2/NDF:8.0/10

+ sign 533.911+/-364.283 χ^2/NDF: 33.1/28

All: 327.267+/-261.871 χ^2/NDF: 58.6/58

- sign 106.283+/-376.712 χ^2/NDF: 24.8/29

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1430.396+/-0.319 χ^2/NDF:381023.7/12

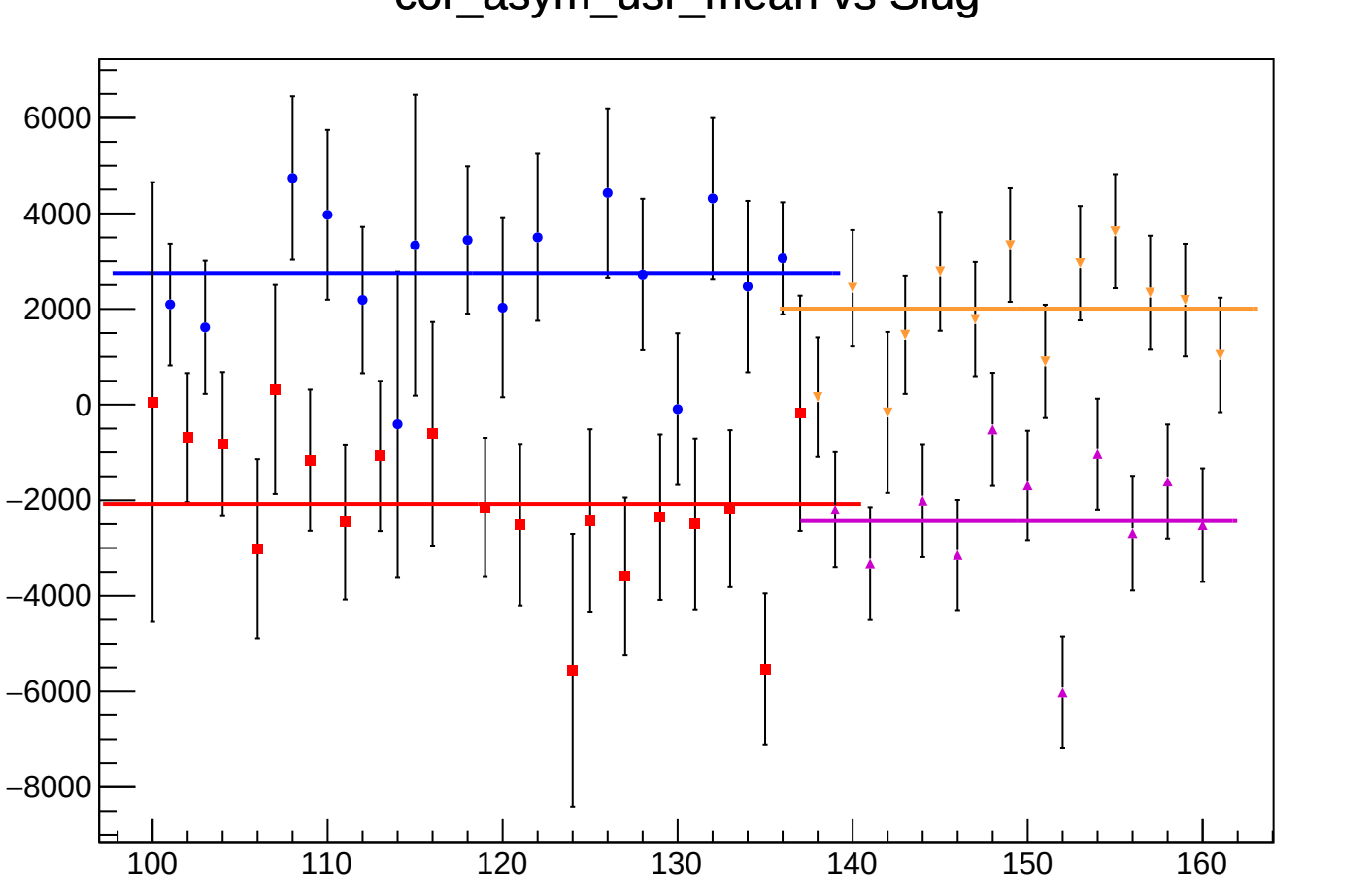
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1423.931+/-0.330 χ^2/NDF:412280.6/10

+ sign 1494.628+/-0.258 χ^2/NDF: 1191486.7/28

All: 1509.290+/-0.185 χ^2/NDF: 2305996.1/58

- sign 1524.969+/-0.266 χ^2/NDF: 1107804.9/29



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

Left Out: 2007.234+/-340.867 χ^2/NDF:9.9/12

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

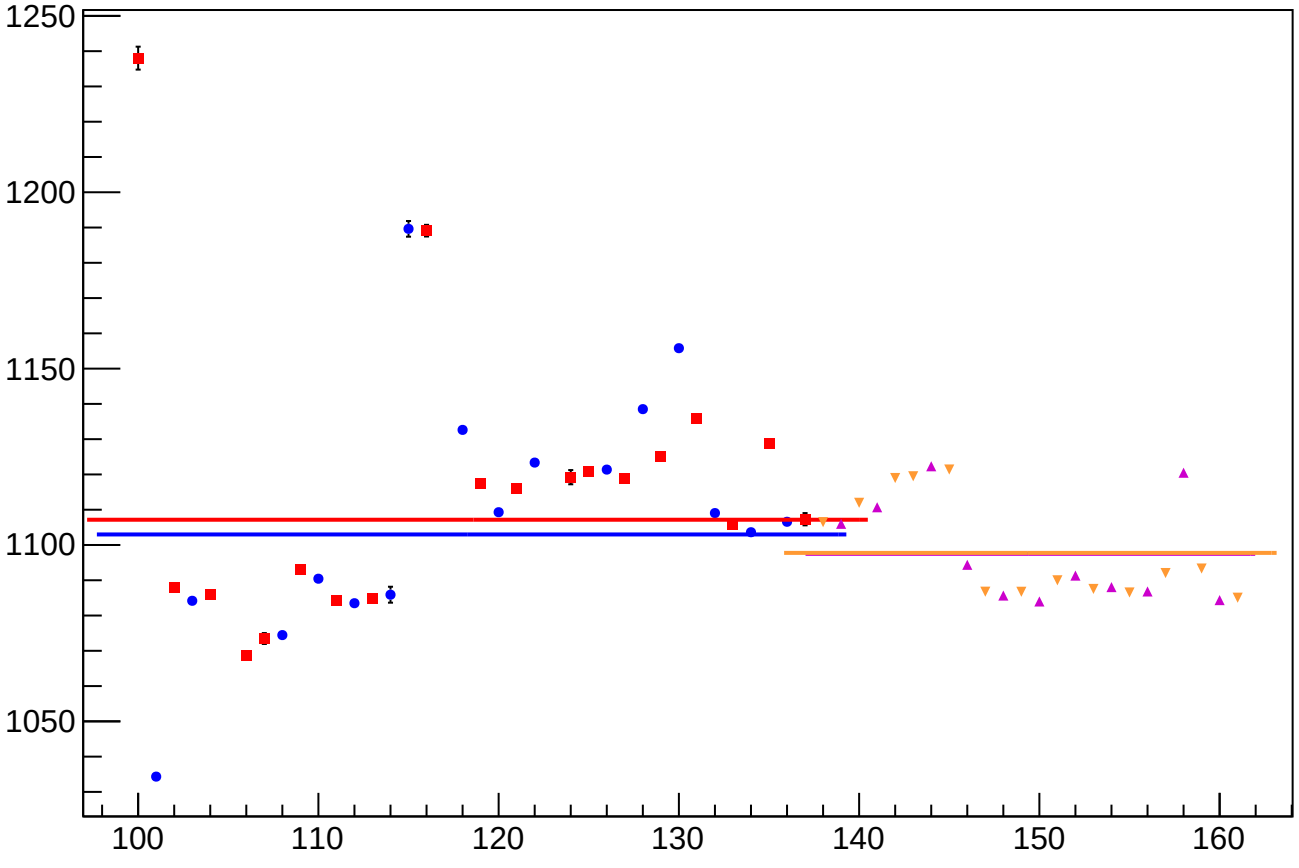
Left In: -2433.680+/-354.985 χ^2/NDF:15.5/10

+ sign 2312.224+/-262.070 χ^2/NDF: 21.4/28

All: 56.529+/-186.895 χ^2/NDF: 200.7/58

- sign -2277.959+/-266.608 χ^2/NDF: 28.5/29

cor_asym_usr_rms vs Slug



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

Left Out: 1097.761+/-0.241 χ^2/NDF:3075.8/12

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

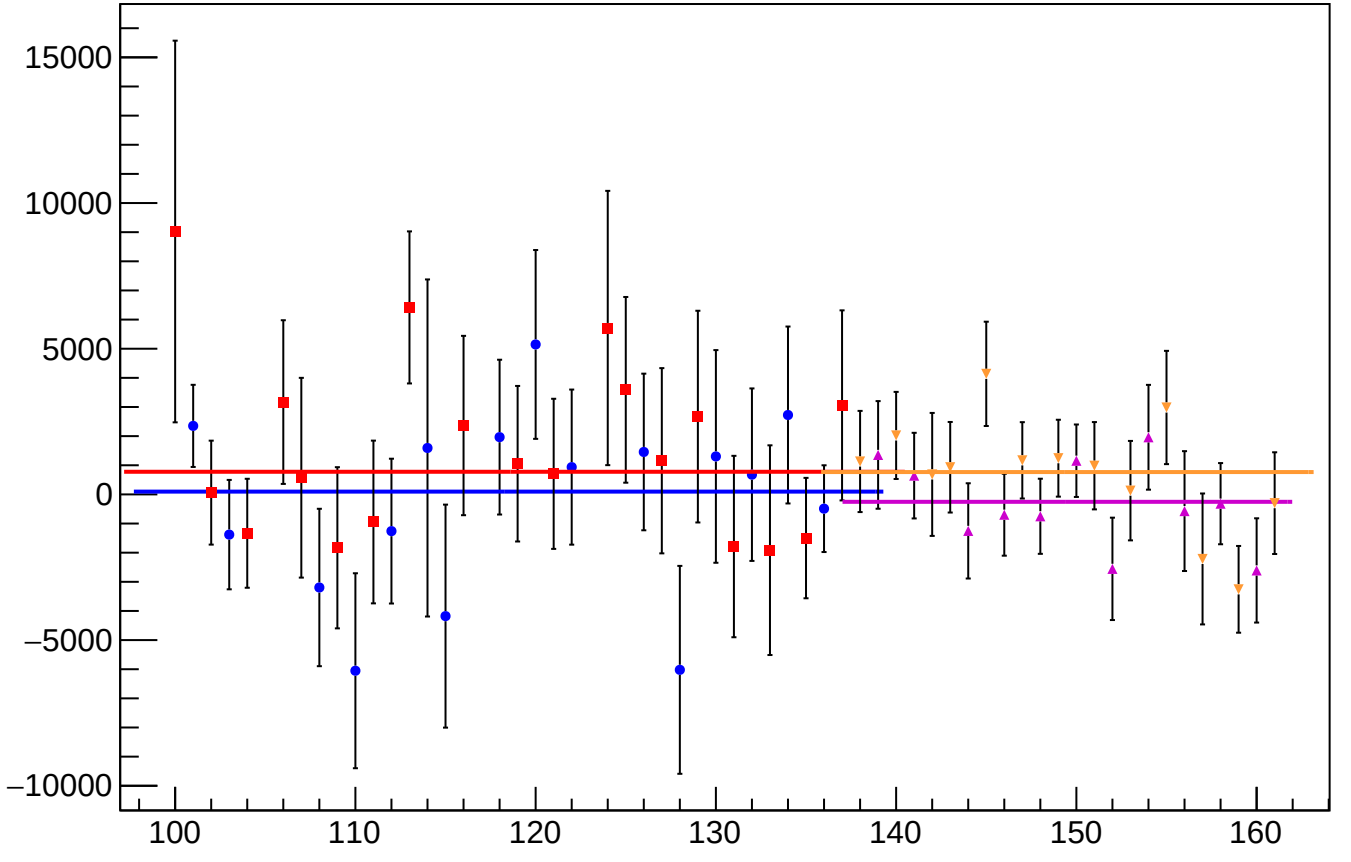
Left In: 1097.485+/-0.251 χ^2/NDF:3058.0/10

+ sign 1099.898+/-0.185 χ^2/NDF: 16491.9/28

All: 1100.785+/-0.132 χ^2/NDF: 28927.3/58

- sign 1101.703+/-0.189 χ^2/NDF: 12388.9/29

asym_usr_cor_correction_mean vs Slug



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

Left Out: 766.998+/-450.919 χ^2/NDF:15.4/12

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

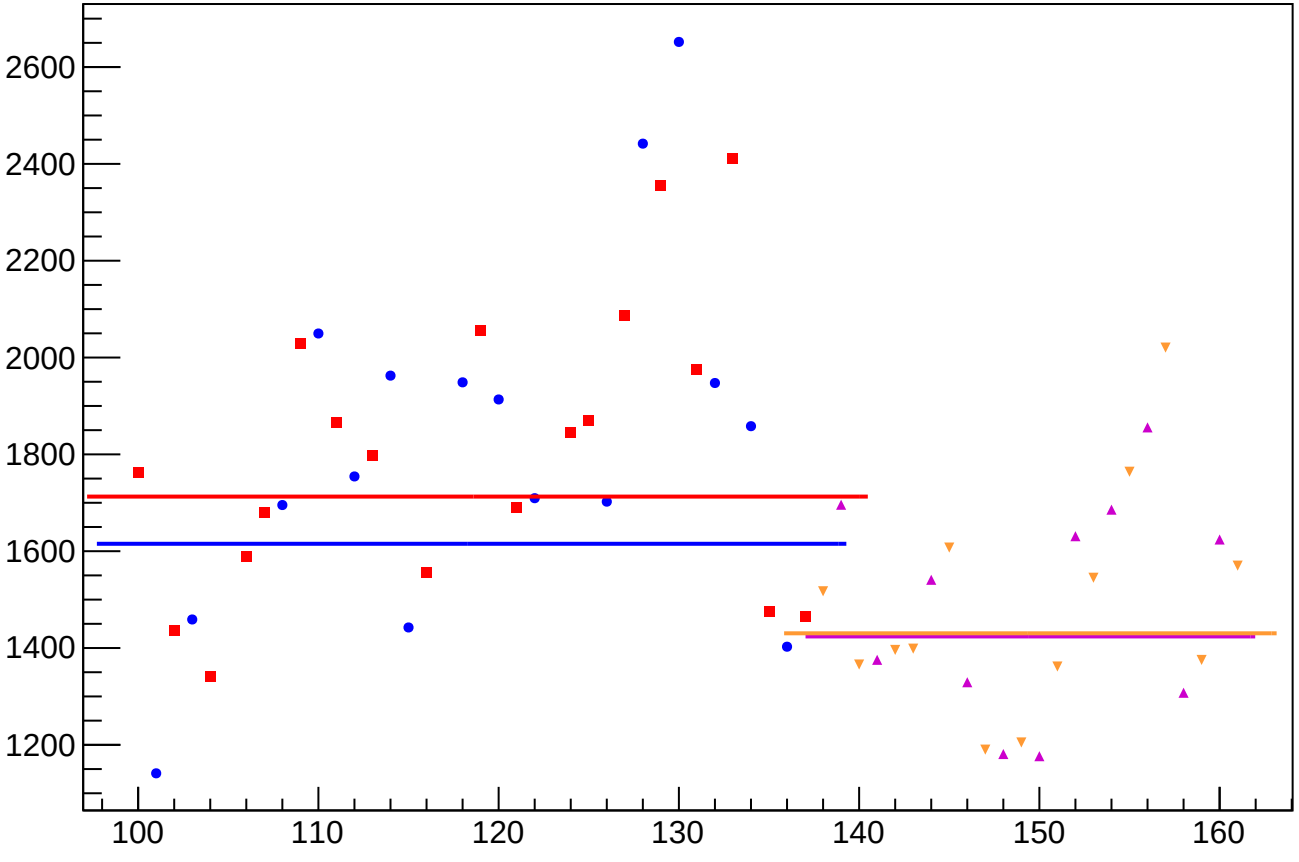
Left In: -254.508+/-467.171 χ^2/NDF:8.0/10

\+ sign 533.911+/-364.283 χ^2/NDF: 33.1/28

All: 327.267+/-261.871 χ^2/NDF: 58.6/58

\- sign 106.283+/-376.712 χ^2/NDF: 24.8/29

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1430.396+/-0.319 χ^2/NDF:381023.7/12

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

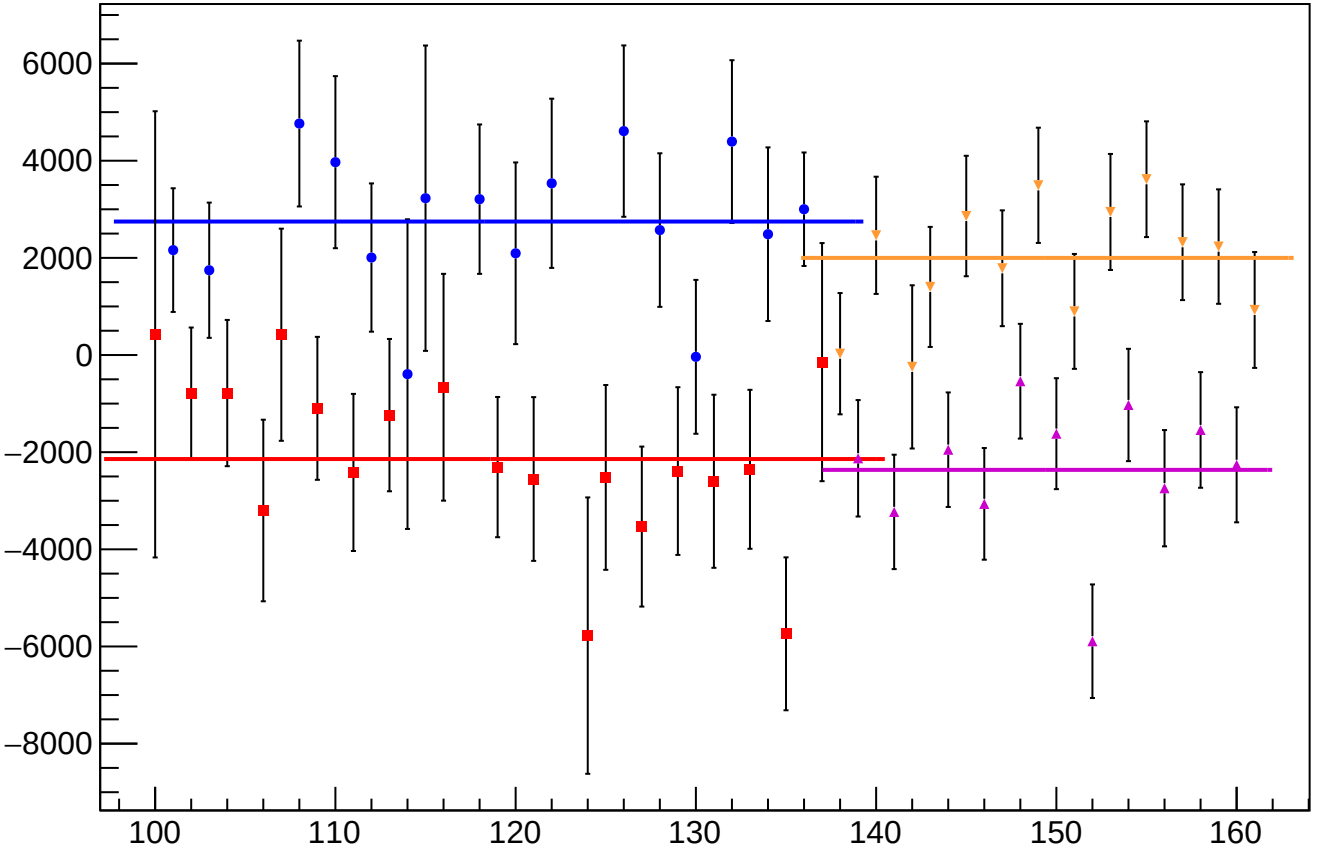
Left In: 1423.931+/-0.330 χ^2/NDF:412280.6/10

+ sign 1494.628+/-0.258 χ^2/NDF: 1191486.7/28

All: 1509.290+/-0.185 χ^2/NDF: 2305996.1/58

- sign 1524.969+/-0.266 χ^2/NDF: 1107804.9/29

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1999.497+/-339.989 χ^2/NDF:11.0/12

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

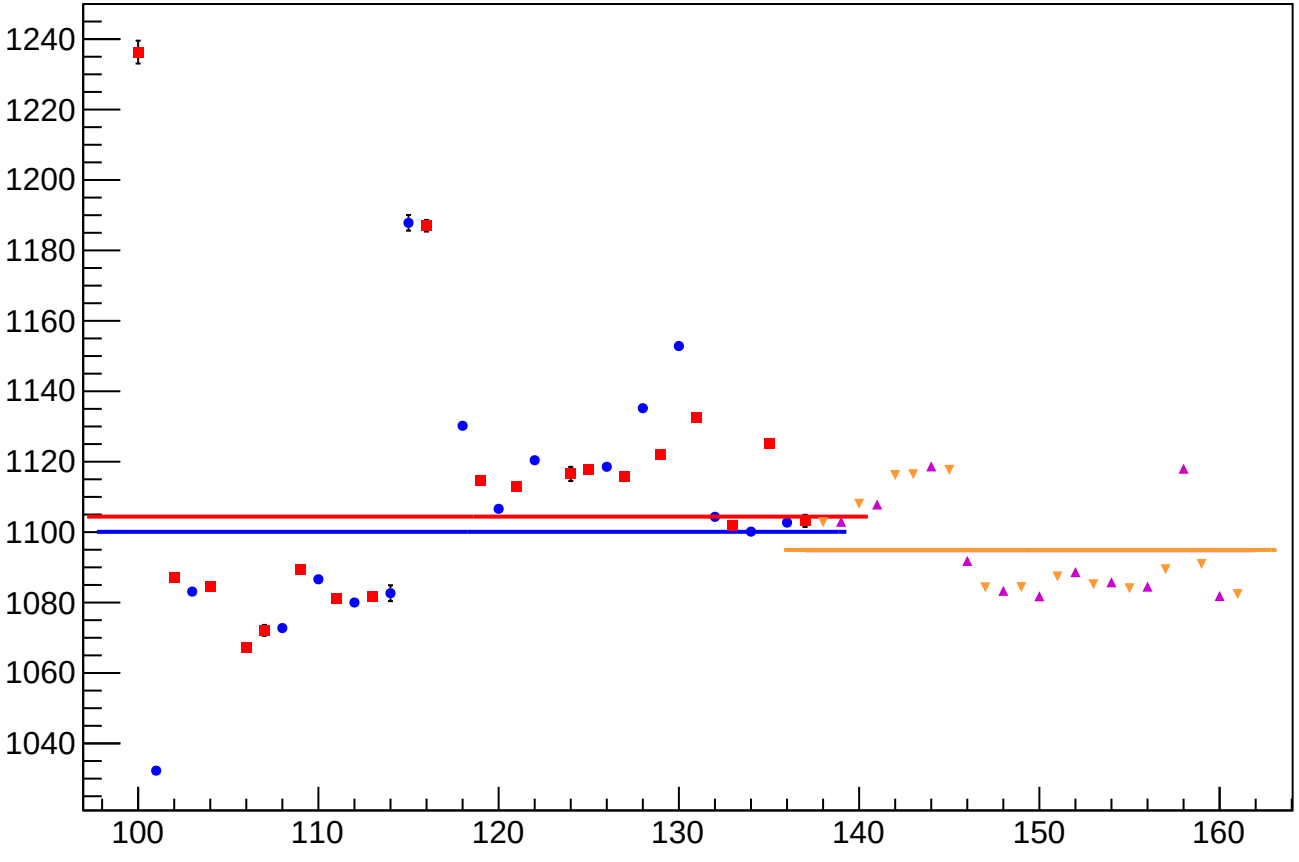
Left In: -2364.137+/-354.138 χ^2/NDF:14.9/10

+ sign 2305.550+/-261.389 χ^2/NDF: 22.5/28

All: 58.939+/-186.425 χ^2/NDF: 201.5/58

- sign -2266.925+/-265.959 χ^2/NDF: 28.6/29

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1094.939+/-0.240 χ^2/NDF:2899.5/12

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

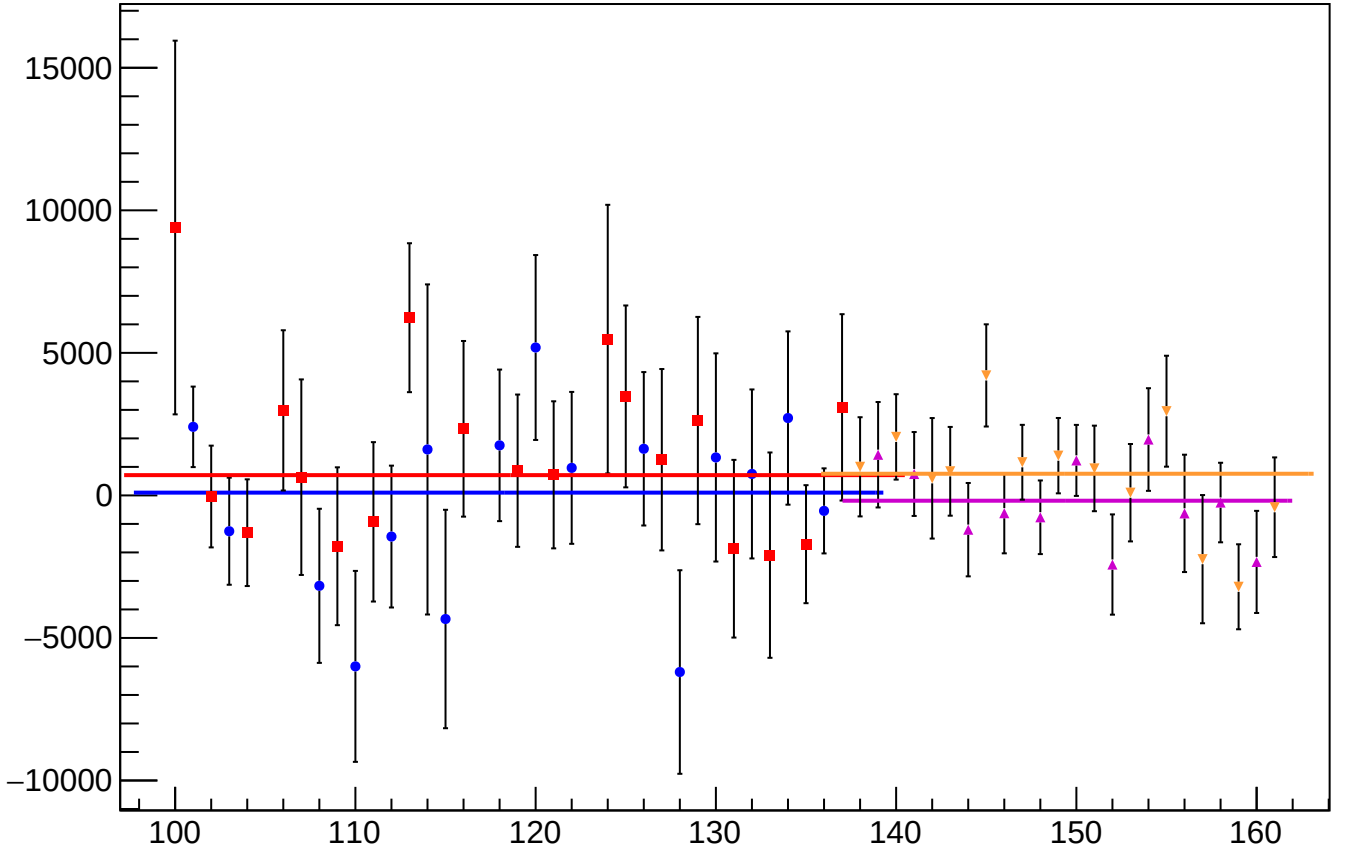
Left In: 1094.870+/-0.250 χ^2/NDF:2944.3/10

\+ sign 1097.045+/-0.185 χ^2/NDF: 16164.4/28

All: 1098.019+/-0.132 χ^2/NDF: 28340.5/58

\- sign 1099.026+/-0.188 χ^2/NDF: 12119.6/29

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 759.760+/-451.634 χ^2/NDF:15.5/12

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

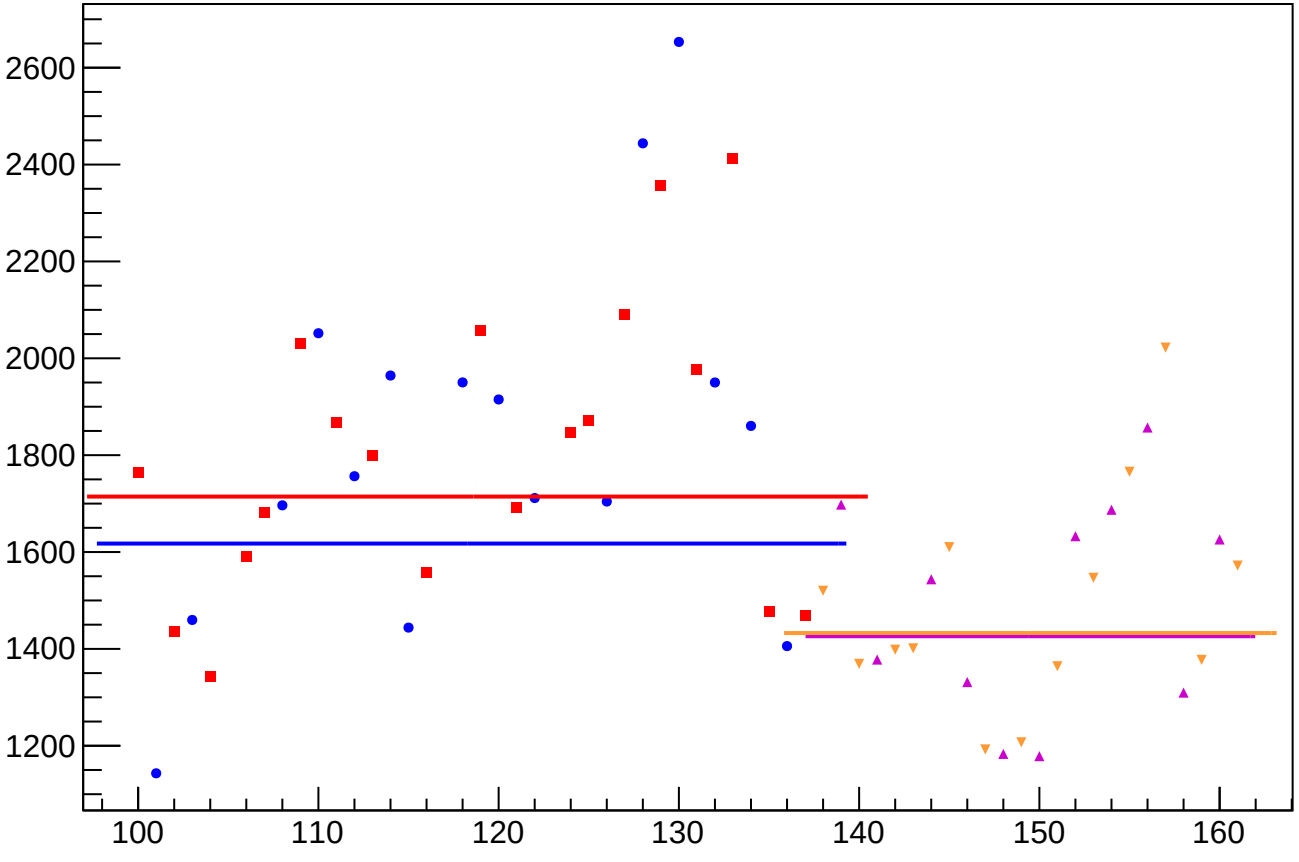
Left In: -186.223+/-467.858 χ^2/NDF:7.7/10

\+ sign 529.605+/-364.820 χ^2/NDF: 33.5/28

All: 335.454+/-262.234 χ^2/NDF: 58.0/58

\- sign 127.903+/-377.200 χ^2/NDF: 23.9/29

asym_usr_overload_cor_correction_rms vs Slug



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

Left Out: 1432.756+/-0.319 χ^2/NDF:379481.7/12

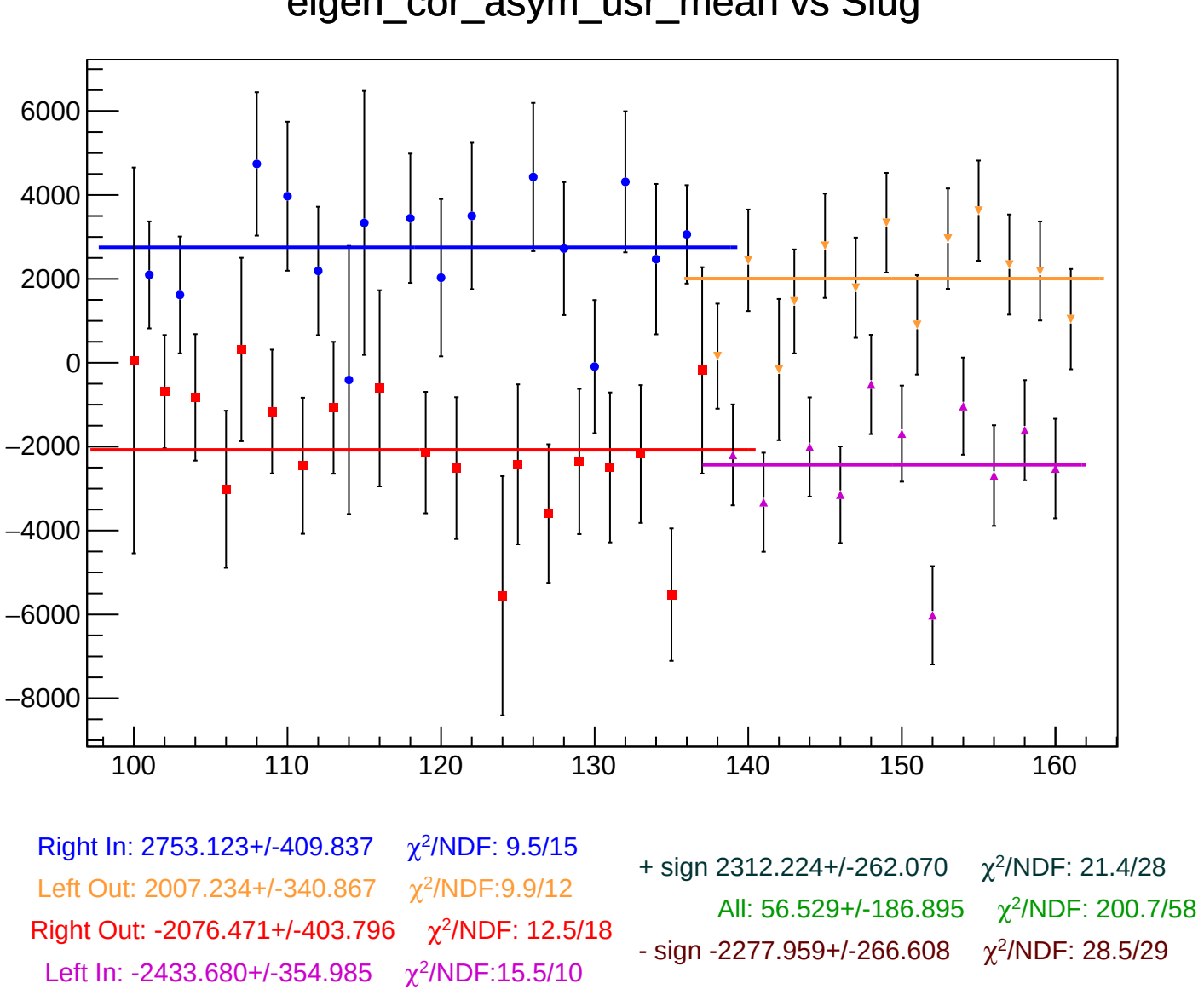
Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1426.108+/-0.331 χ^2/NDF:410617.3/10

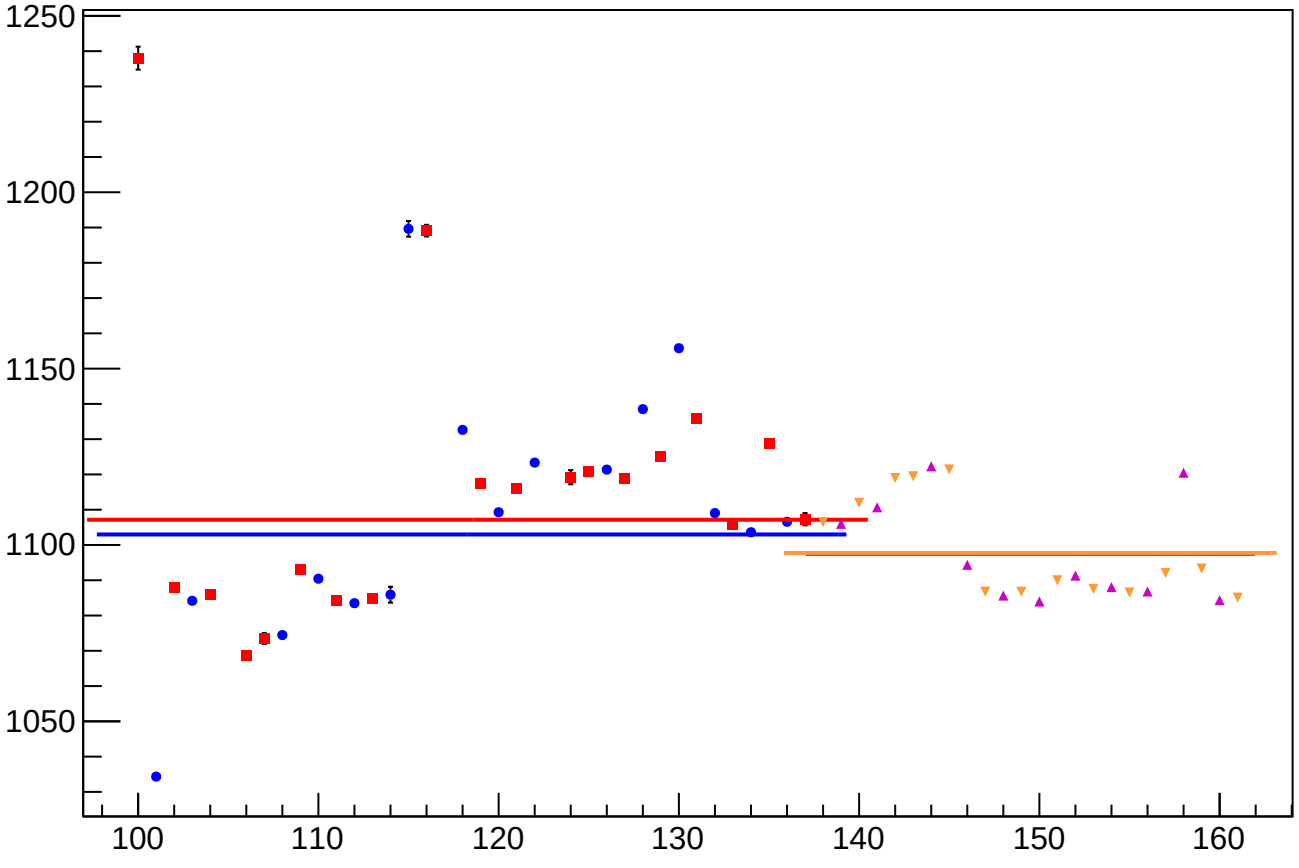
+ sign 1496.951+/-0.258 χ^2/NDF: 1187486.6/28

All: 1511.497+/-0.185 χ^2/NDF: 2298376.9/58

- sign 1527.047+/-0.267 χ^2/NDF: 1104311.7/29


eigen_cor_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 2753.123+/-409.837 χ²/NDF: 9.5/15
Left Out: 2007.234+/-340.867 χ²/NDF:9.9/12
Right Out: -2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: -2433.680+/-354.985 χ²/NDF:15.5/10
+ sign 2312.224+/-262.070 χ²/NDF: 21.4/28
All: 56.529+/-186.895 χ²/NDF: 200.7/58
- sign -2277.959+/-266.608 χ²/NDF: 28.5/29

eigen_cor_asym_usr_rms vs Slug



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

Left Out: 1097.761+/-0.241 χ^2/NDF:3075.8/12

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

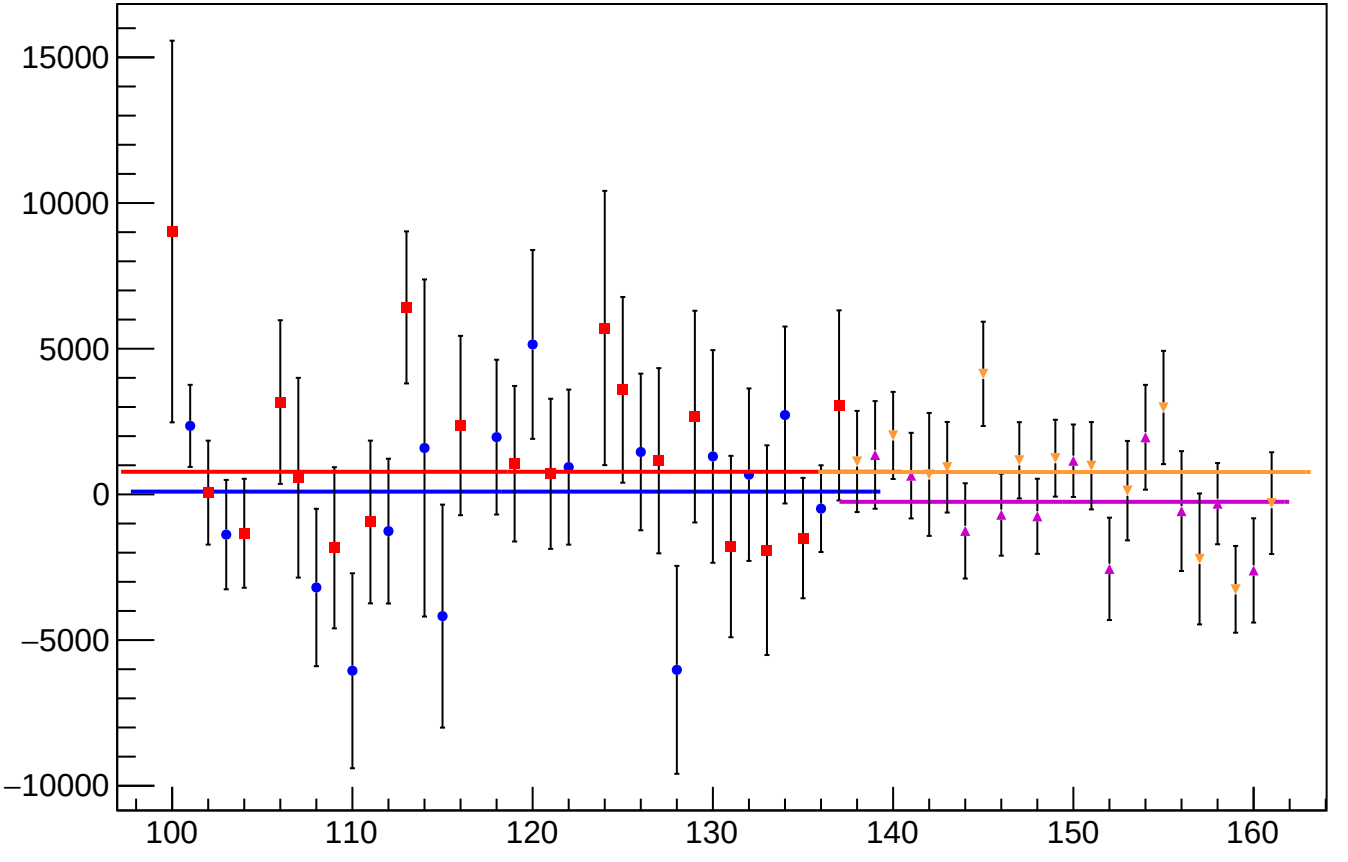
Left In: 1097.485+/-0.251 χ^2/NDF:3058.0/10

+ sign 1099.898+/-0.185 χ^2/NDF: 16491.9/28

All: 1100.785+/-0.132 χ^2/NDF: 28927.3/58

- sign 1101.703+/-0.189 χ^2/NDF: 12388.9/29

asym_usr_eigen_cor_correction_mean vs Slug



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

Left Out: 766.998+/-450.919 χ^2/NDF:15.4/12

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

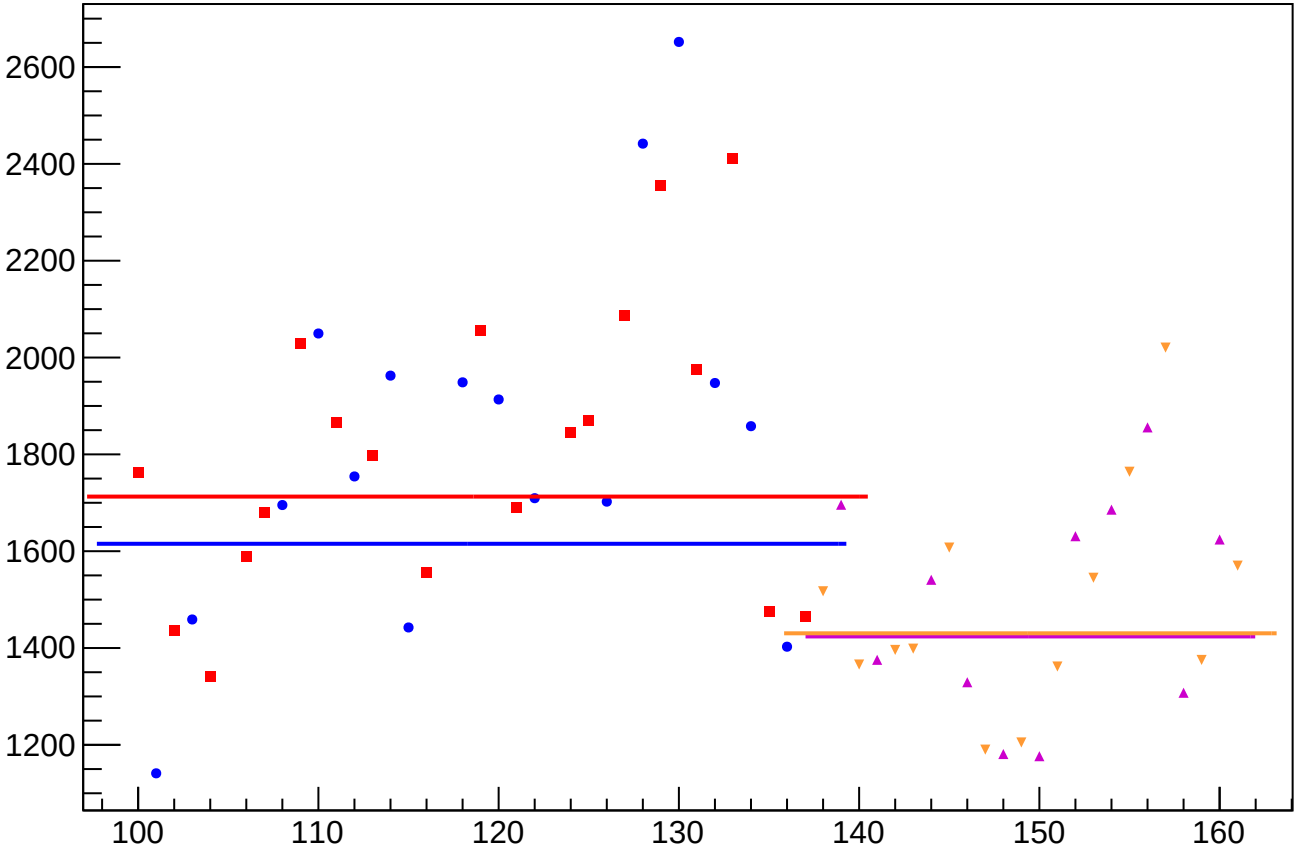
Left In: -254.508+/-467.171 χ^2/NDF:8.0/10

+ sign 533.911+/-364.283 χ^2/NDF: 33.1/28

All: 327.267+/-261.871 χ^2/NDF: 58.6/58

- sign 106.283+/-376.712 χ^2/NDF: 24.8/29

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1430.396+/-0.319 χ^2/NDF:381023.7/12

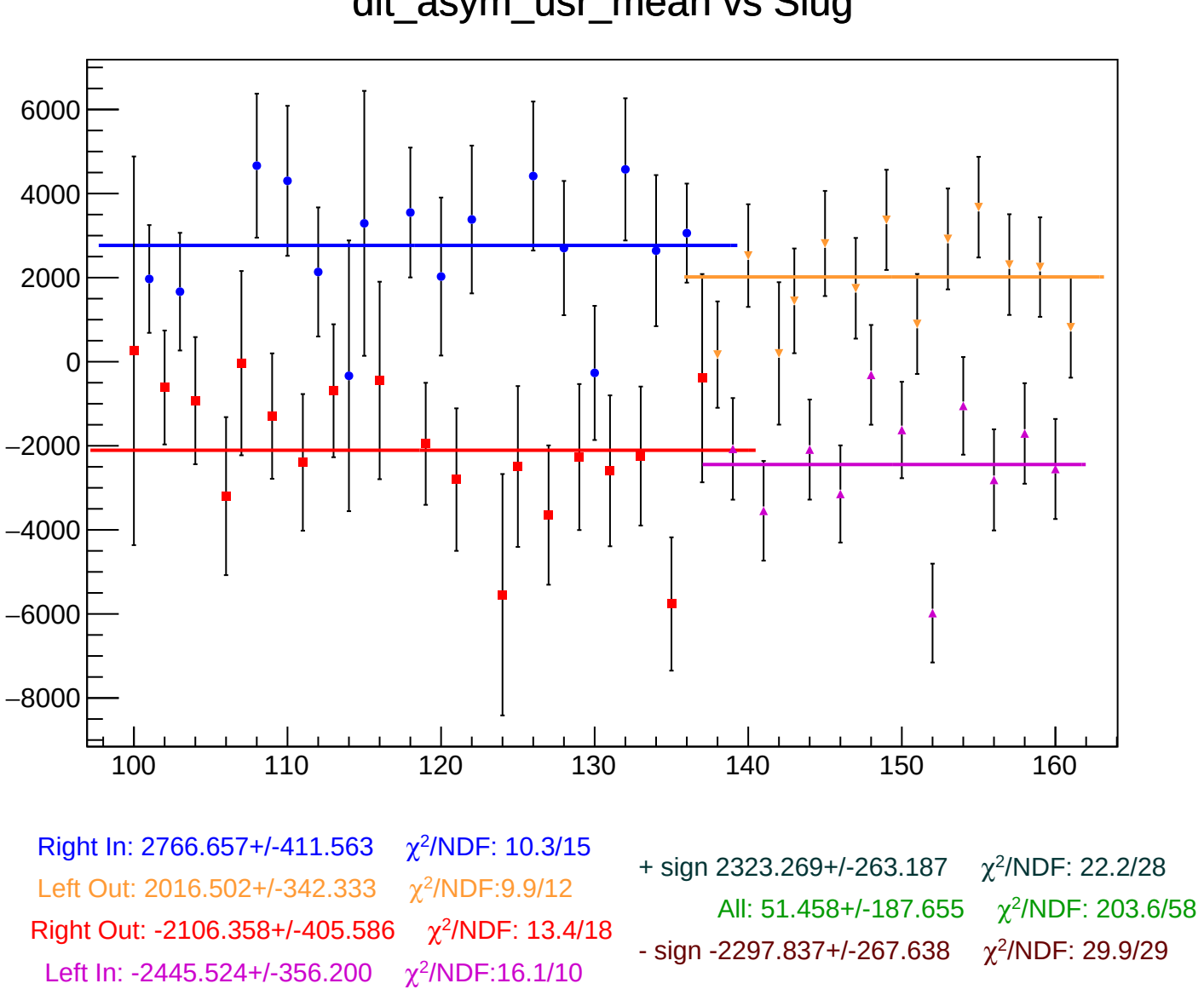
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1423.931+/-0.330 χ^2/NDF:412280.6/10

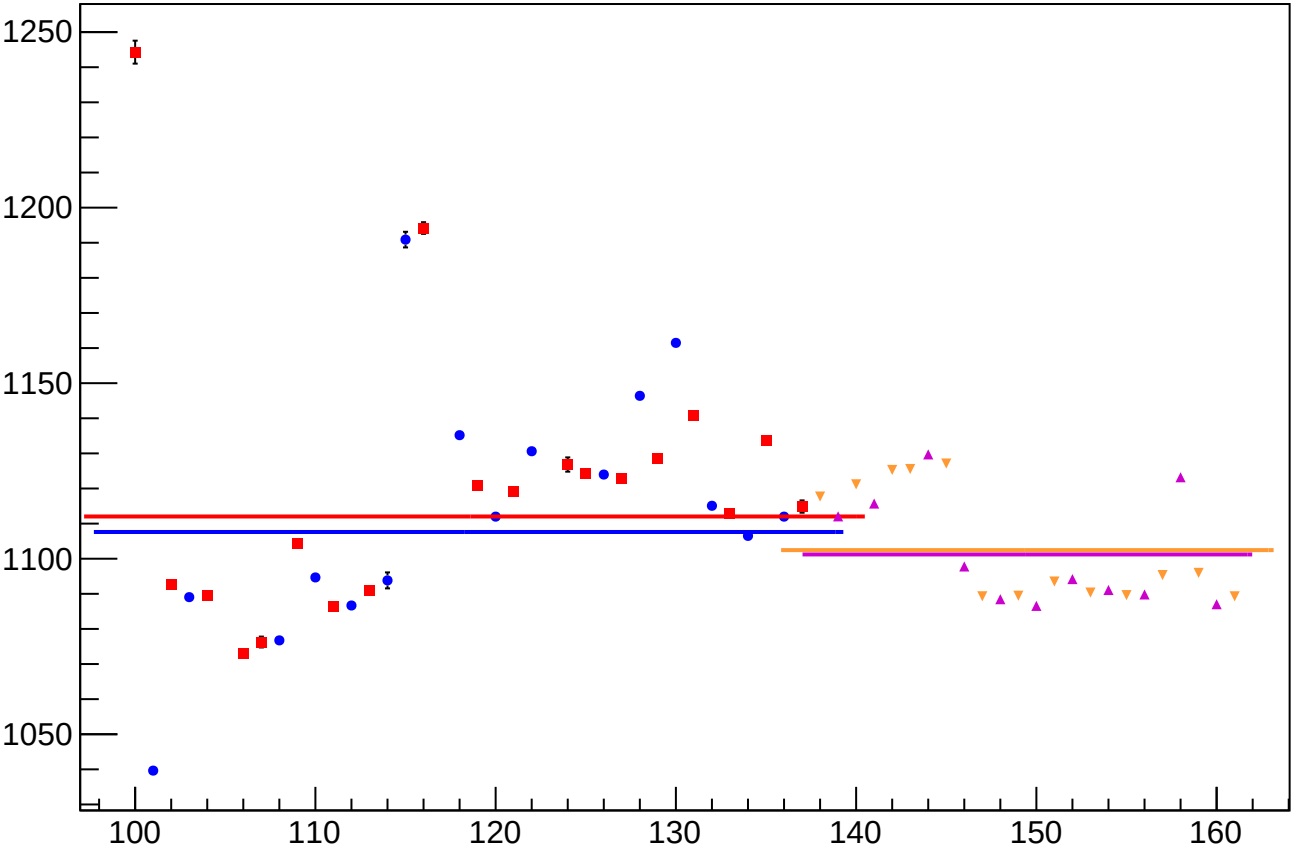
+ sign 1494.628+/-0.258 χ^2/NDF: 1191486.7/28

All: 1509.290+/-0.185 χ^2/NDF: 2305996.1/58

- sign 1524.969+/-0.266 χ^2/NDF: 1107804.9/29


dit_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 2766.657+/-411.563 χ²/NDF: 10.3/15
Left Out: 2016.502+/-342.333 χ²/NDF:9.9/12
Right Out: -2106.358+/-405.586 χ²/NDF: 13.4/18
Left In: -2445.524+/-356.200 χ²/NDF:16.1/10
+ sign 2323.269+/-263.187 χ²/NDF: 22.2/28
All: 51.458+/-187.655 χ²/NDF: 203.6/58
- sign -2297.837+/-267.638 χ²/NDF: 29.9/29

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1102.450+/-0.242 χ^2/NDF:3986.4/12

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

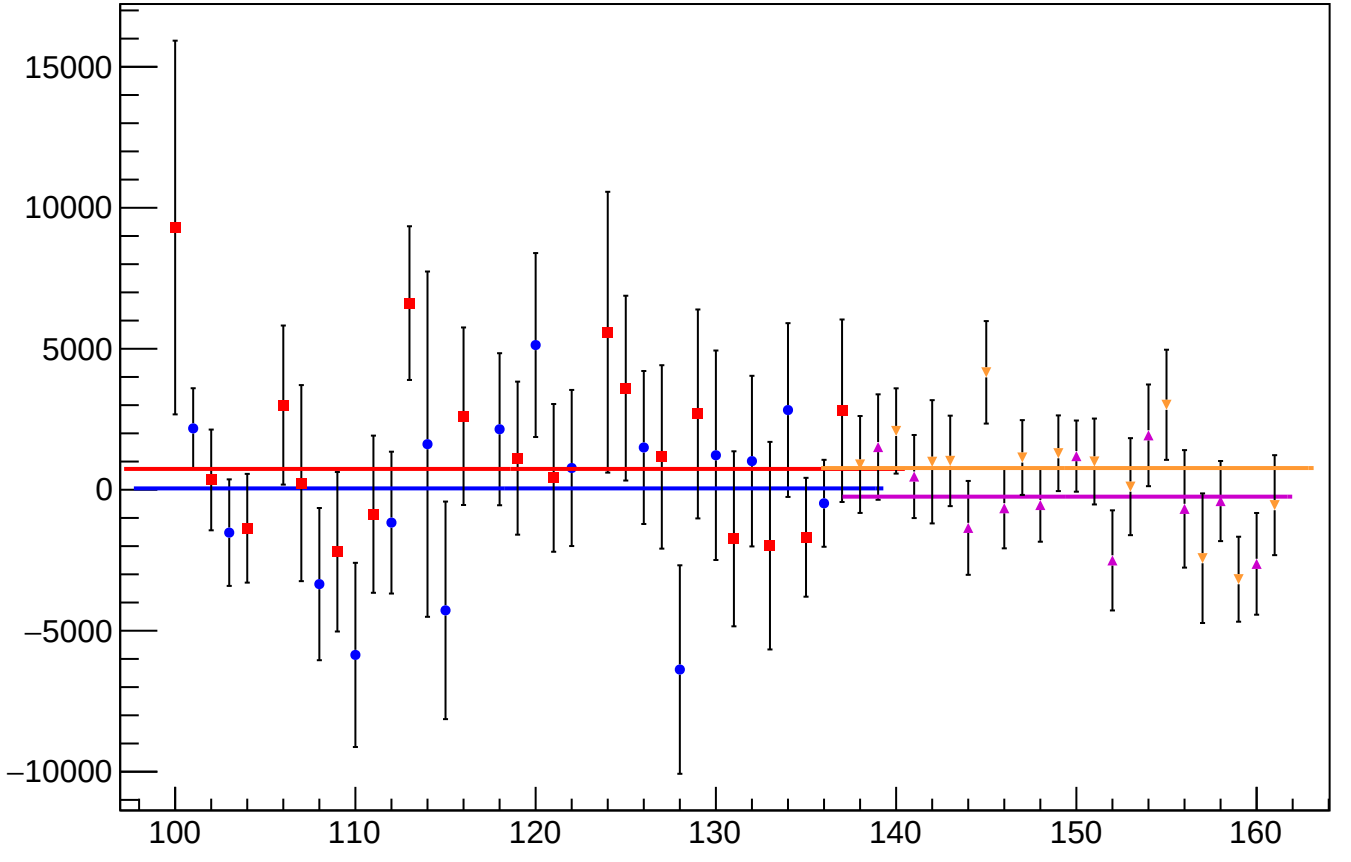
Left In: 1101.217+/-0.252 χ^2/NDF:3544.0/10

+ sign 1104.562+/-0.186 χ^2/NDF: 17393.3/28

All: 1105.232+/-0.133 χ^2/NDF: 30419.6/58

- sign 1105.925+/-0.189 χ^2/NDF: 12999.9/29

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 769.545+/-457.454 χ^2/NDF:15.3/12

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

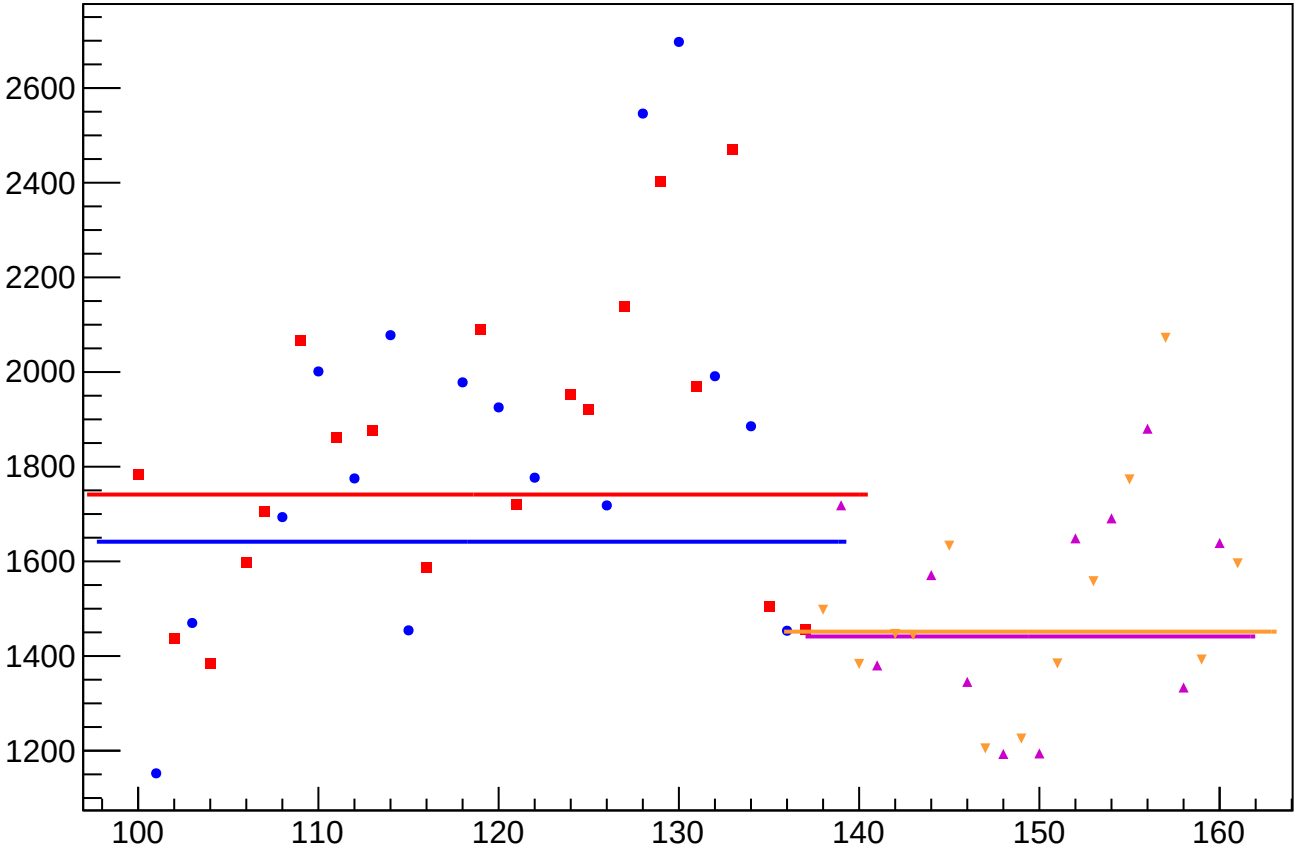
Left In: -245.007+/-472.629 χ^2/NDF:7.9/10

+ sign 519.378+/-369.768 χ^2/NDF: 33.1/28

All: 314.734+/-265.621 χ^2/NDF: 58.0/58

- sign 96.545+/-381.810 χ^2/NDF: 24.3/29

asym_usr_dit_correction_rms vs Slug



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

Left Out: 1451.535+/-0.323 χ^2/NDF:379391.6/12

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

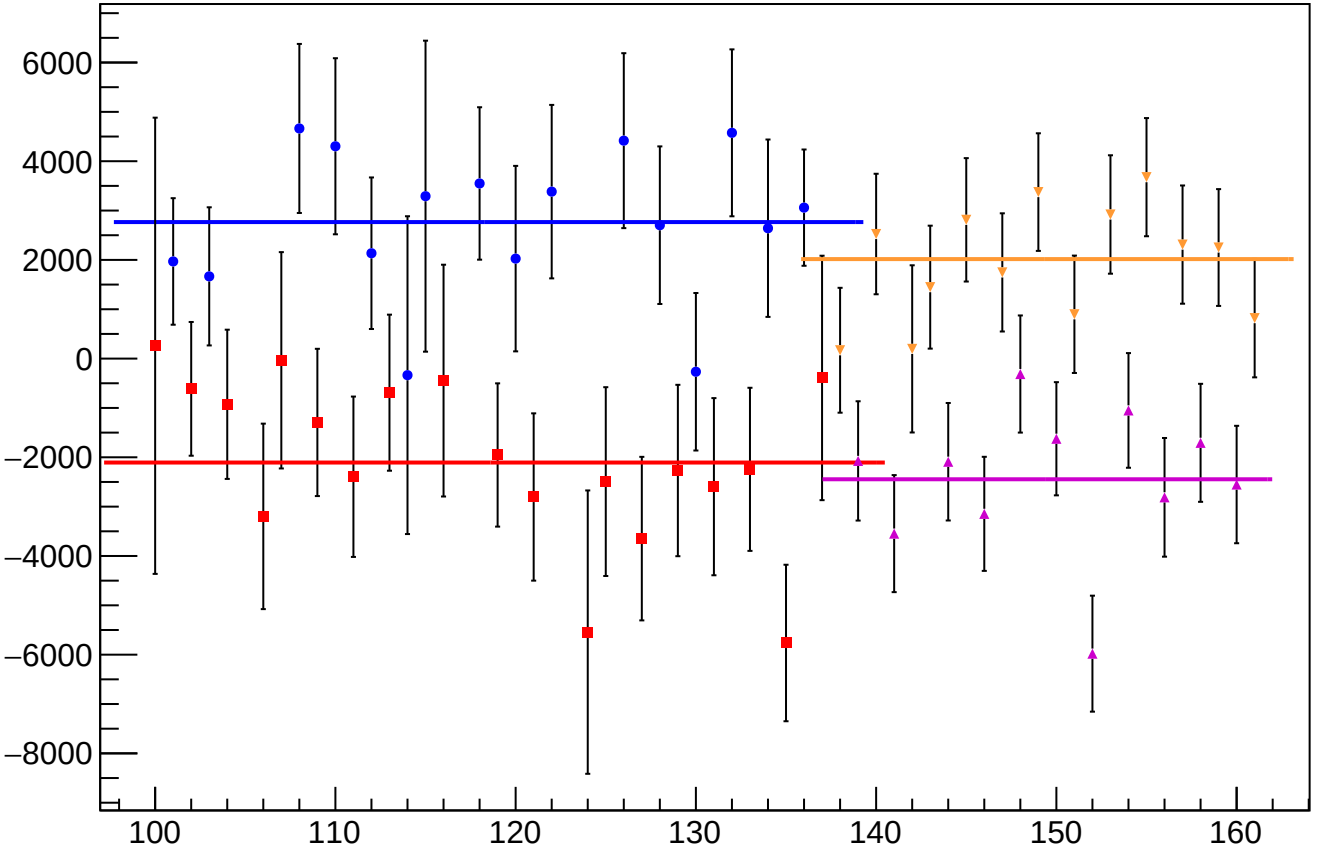
Left In: 1441.324+/-0.334 χ^2/NDF:407748.9/10

+ sign 1517.394+/-0.261 χ^2/NDF: 1200298.1/28

All: 1530.996+/-0.188 χ^2/NDF: 2331674.5/58

- sign 1545.498+/-0.270 χ^2/NDF: 1125784.7/29

eigen_dit_asym_usr_mean vs Slug



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

Left Out: 2016.499+/-342.333 χ^2/NDF:9.9/12

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

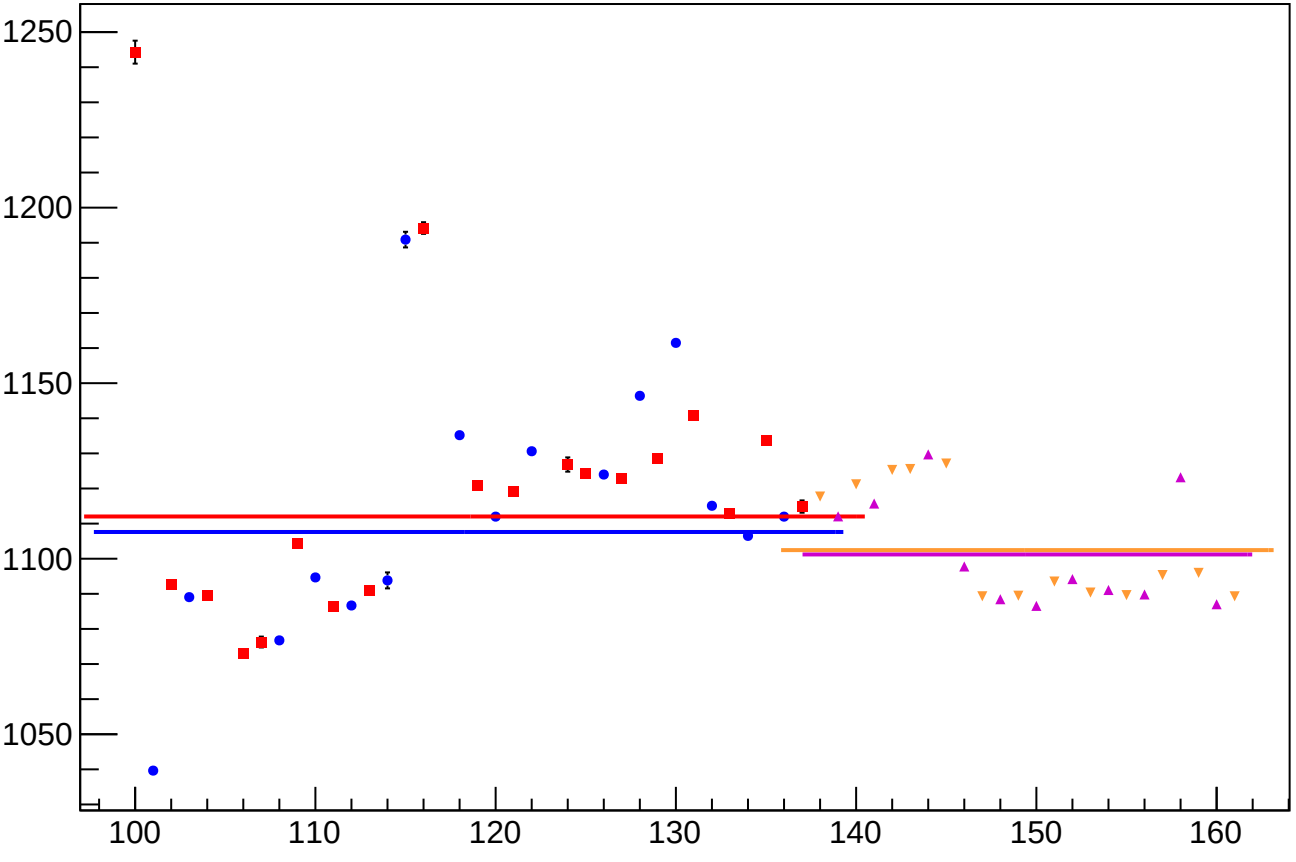
Left In: -2445.525+/-356.200 χ^2/NDF:16.1/10

+ sign 2323.267+/-263.187 χ^2/NDF: 22.2/28

All: 51.457+/-187.655 χ^2/NDF: 203.6/58

- sign -2297.838+/-267.638 χ^2/NDF: 29.9/29

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1102.450+/-0.242 χ^2/NDF:3986.4/12

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

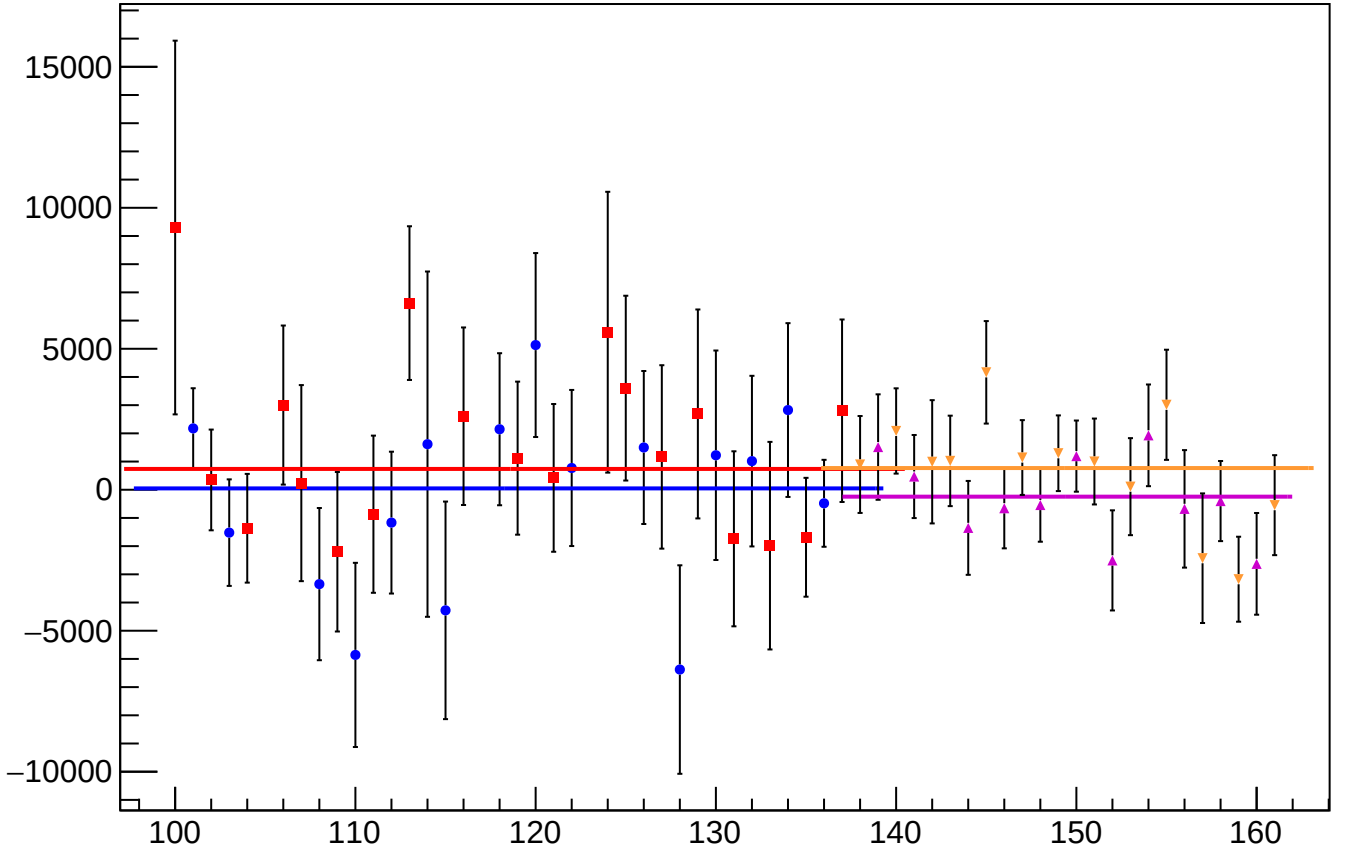
Left In: 1101.217+/-0.252 χ^2/NDF:3544.0/10

+ sign 1104.562+/-0.186 χ^2/NDF: 17393.2/28

All: 1105.232+/-0.133 χ^2/NDF: 30419.4/58

- sign 1105.925+/-0.189 χ^2/NDF: 12999.9/29

asym_usr_eigen_dit_correction_mean vs Slug



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

Left Out: 769.544+/-457.455 χ^2/NDF:15.3/12

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

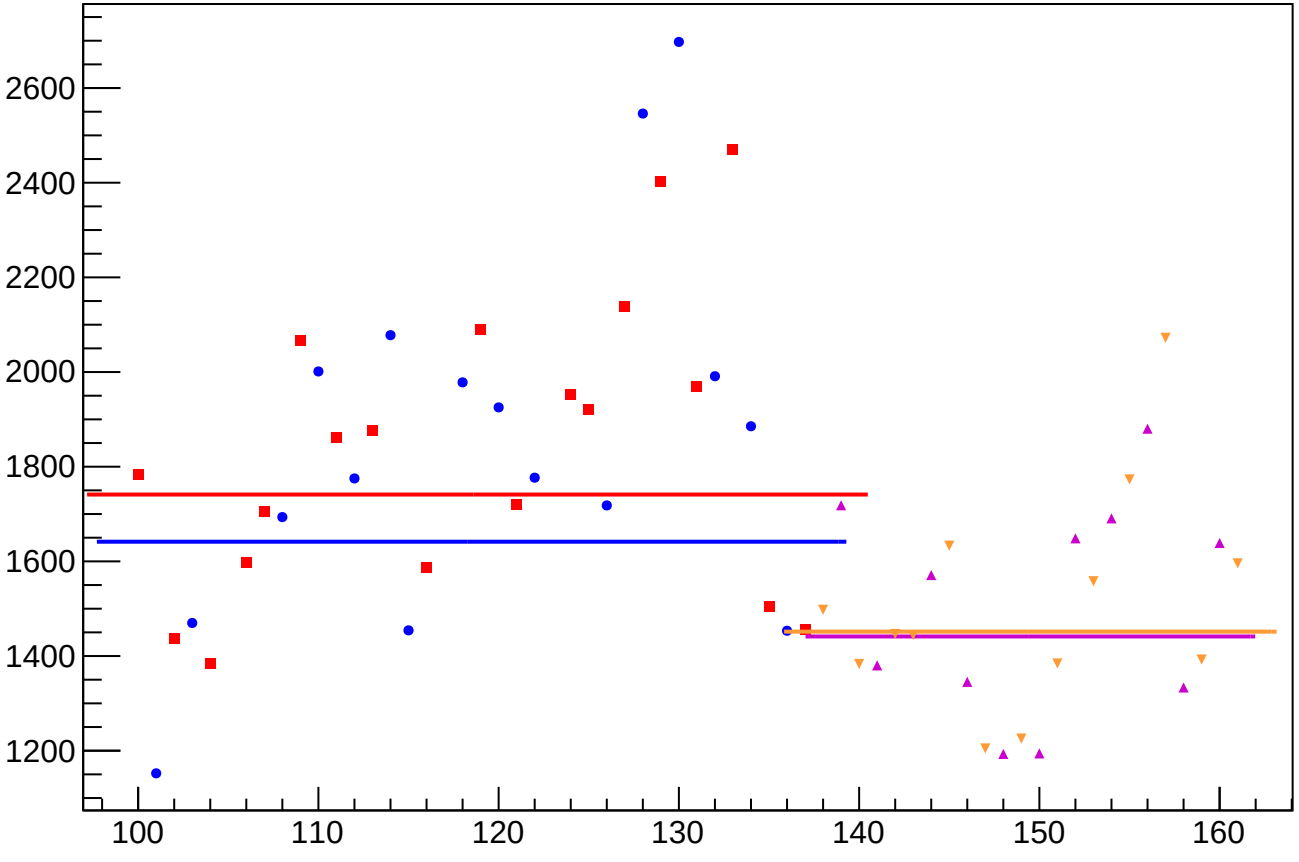
Left In: -245.008+/-472.630 χ^2/NDF:7.9/10

+ sign 519.375+/-369.768 χ^2/NDF: 33.1/28

All: 314.734+/-265.621 χ^2/NDF: 58.0/58

- sign 96.547+/-381.810 χ^2/NDF: 24.3/29

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1451.538+/-0.323 χ^2/NDF:379396.2/12

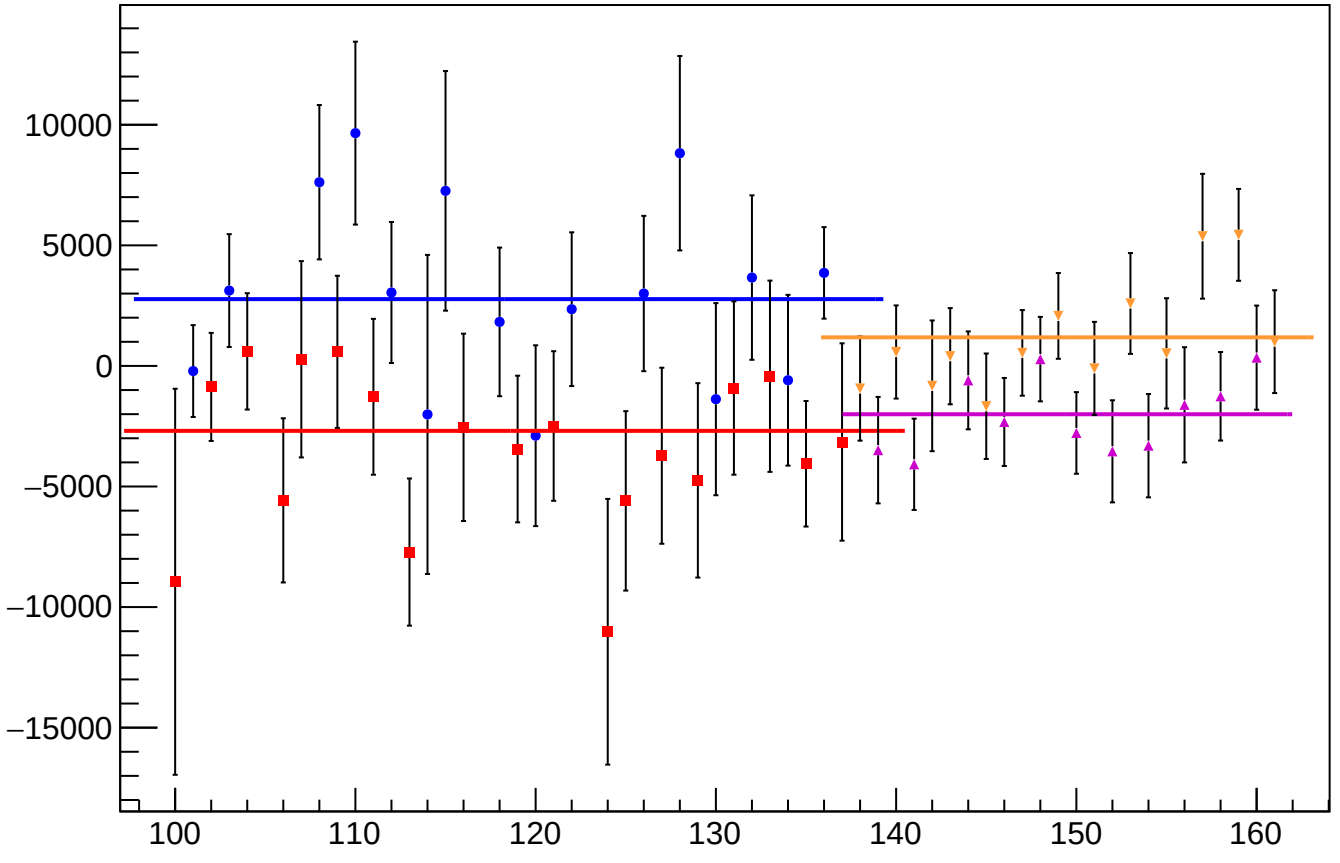
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1441.327+/-0.334 χ^2/NDF:407754.1/10

+ sign 1517.396+/-0.261 χ^2/NDF: 1200283.7/28

All: 1530.998+/-0.188 χ^2/NDF: 2331644.1/58

- sign 1545.500+/-0.270 χ^2/NDF: 1125768.6/29



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1184.786+/-573.064 χ^2/NDF:12.4/12

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

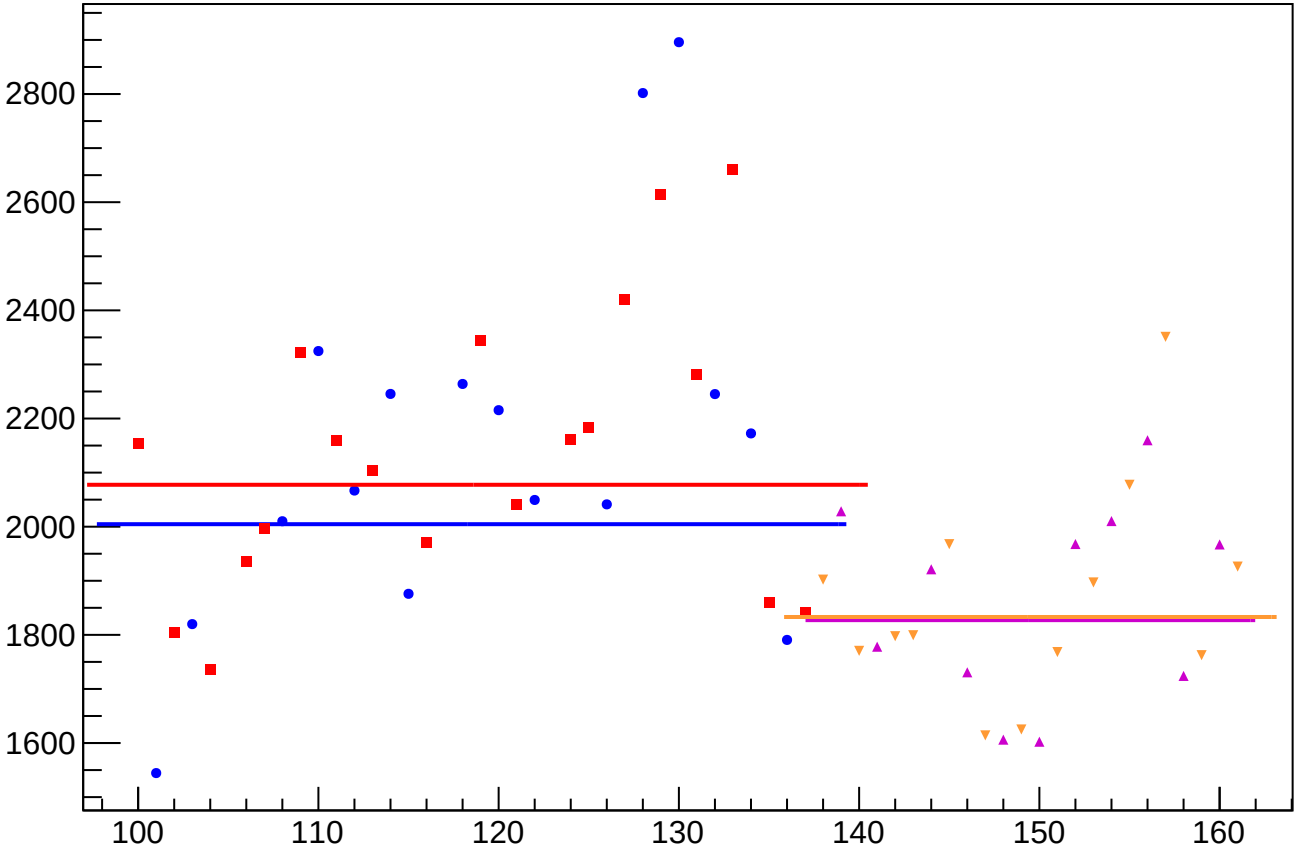
Left In: -2003.798+/-594.502 χ^2/NDF:6.3/10

+ sign 1762.162+/-456.931 χ^2/NDF: 31.7/28

All: -195.343+/-327.484 χ^2/NDF: 88.8/58

- sign -2262.844+/-469.593 χ^2/NDF: 19.4/29

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1833.036+/-0.405 χ^2/NDF:184073.0/12

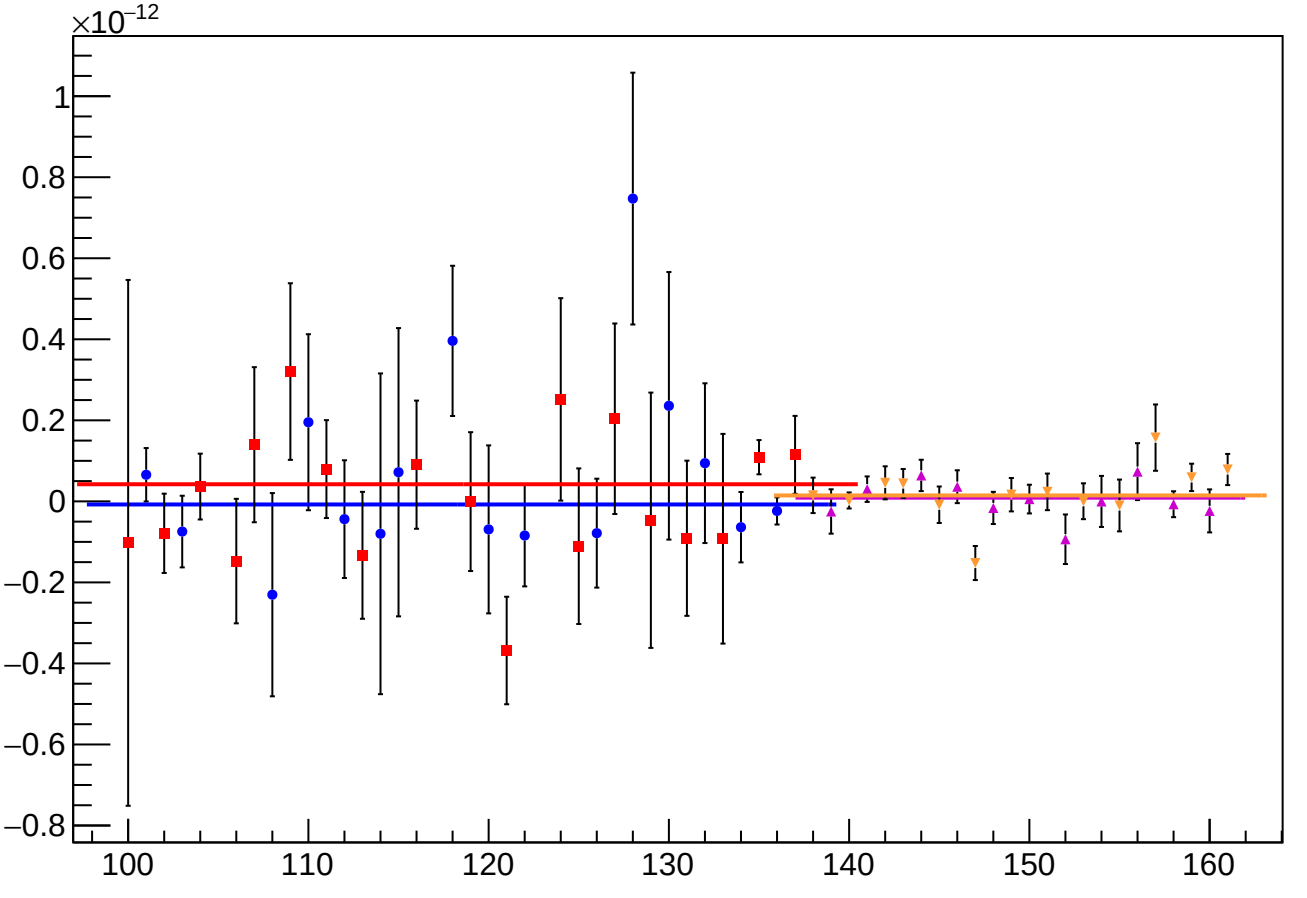
Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1827.224+/-0.420 χ^2/NDF:171896.4/10

+ sign 1895.538+/-0.323 χ^2/NDF: 636959.5/28

All: 1908.089+/-0.232 χ^2/NDF: 1175740.3/58

- sign 1921.345+/-0.332 χ^2/NDF: 535678.3/29



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.5/12

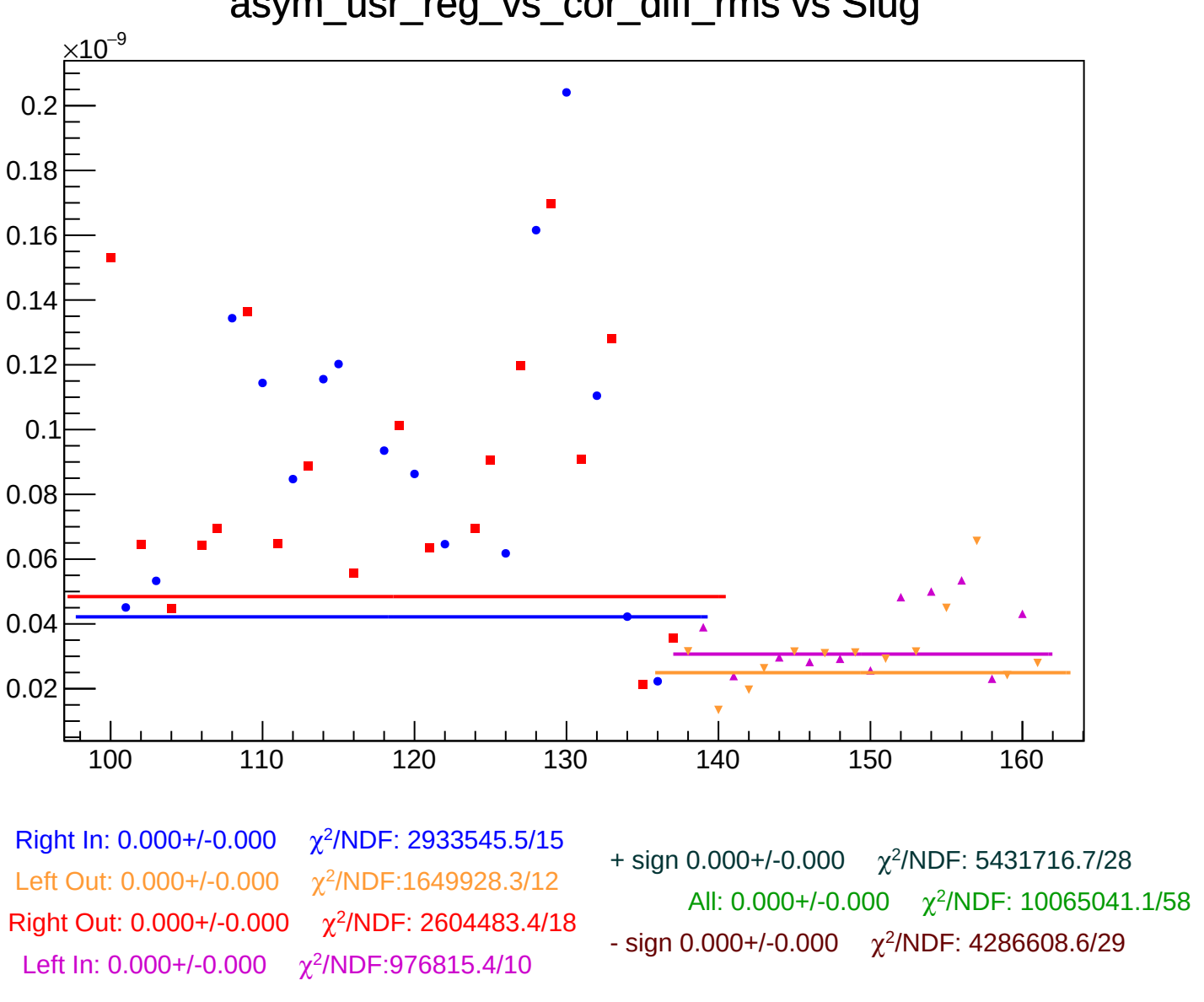
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/10

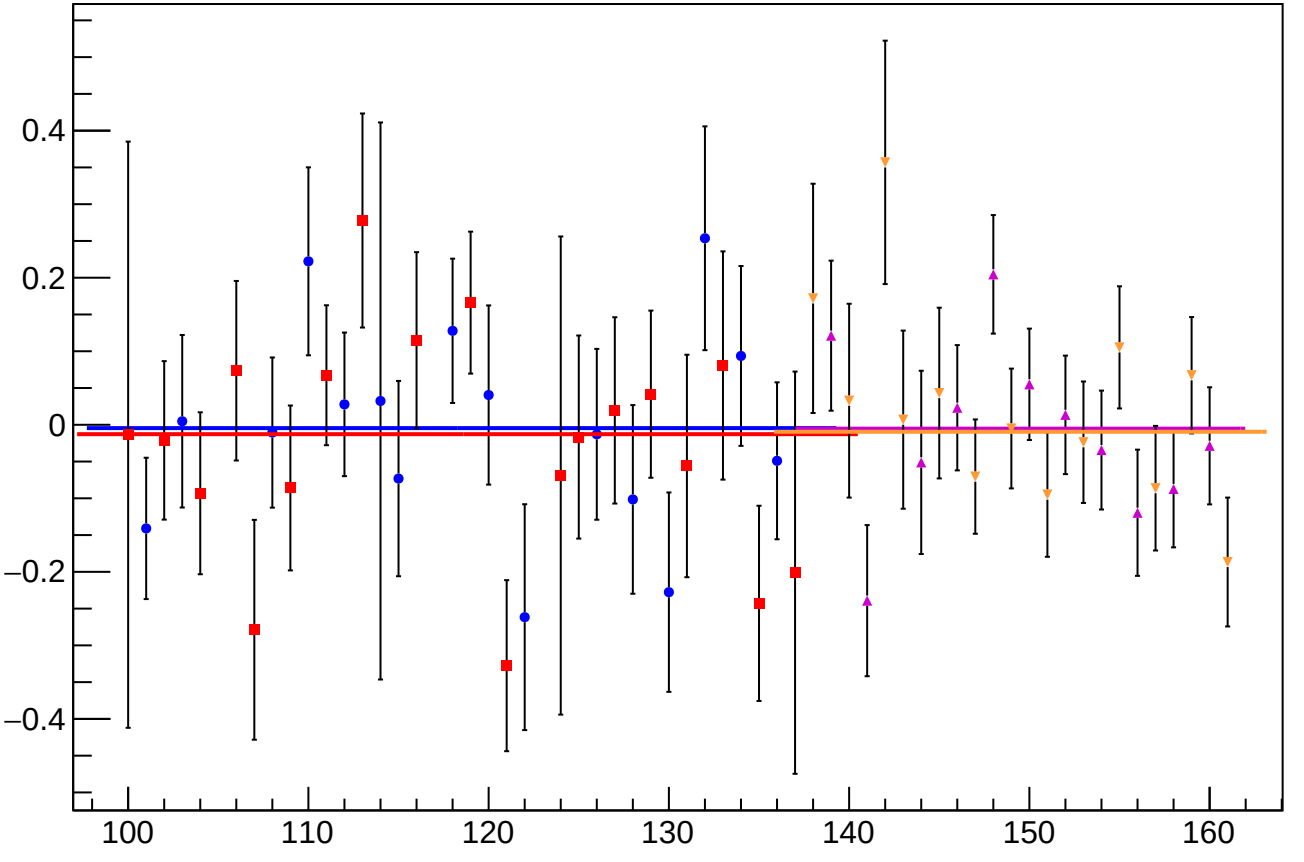
+ sign 0.000+/-0.000 χ^2/NDF: 42.7/28

All: 0.000+/-0.000 χ^2/NDF: 73.8/58

- sign 0.000+/-0.000 χ^2/NDF: 31.0/29


asym_usr_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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2933545.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1649928.3/12
Right Out: 0.000+/-0.000 χ²/NDF: 2604483.4/18
Left In: 0.000+/-0.000 χ²/NDF:976815.4/10
+ sign 0.000+/-0.000 χ²/NDF: 5431716.7/28
All: 0.000+/-0.000 χ²/NDF: 10065041.1/58
- sign 0.000+/-0.000 χ²/NDF: 4286608.6/29

asym_usr_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.009+/-0.026 χ^2/NDF:16.0/12

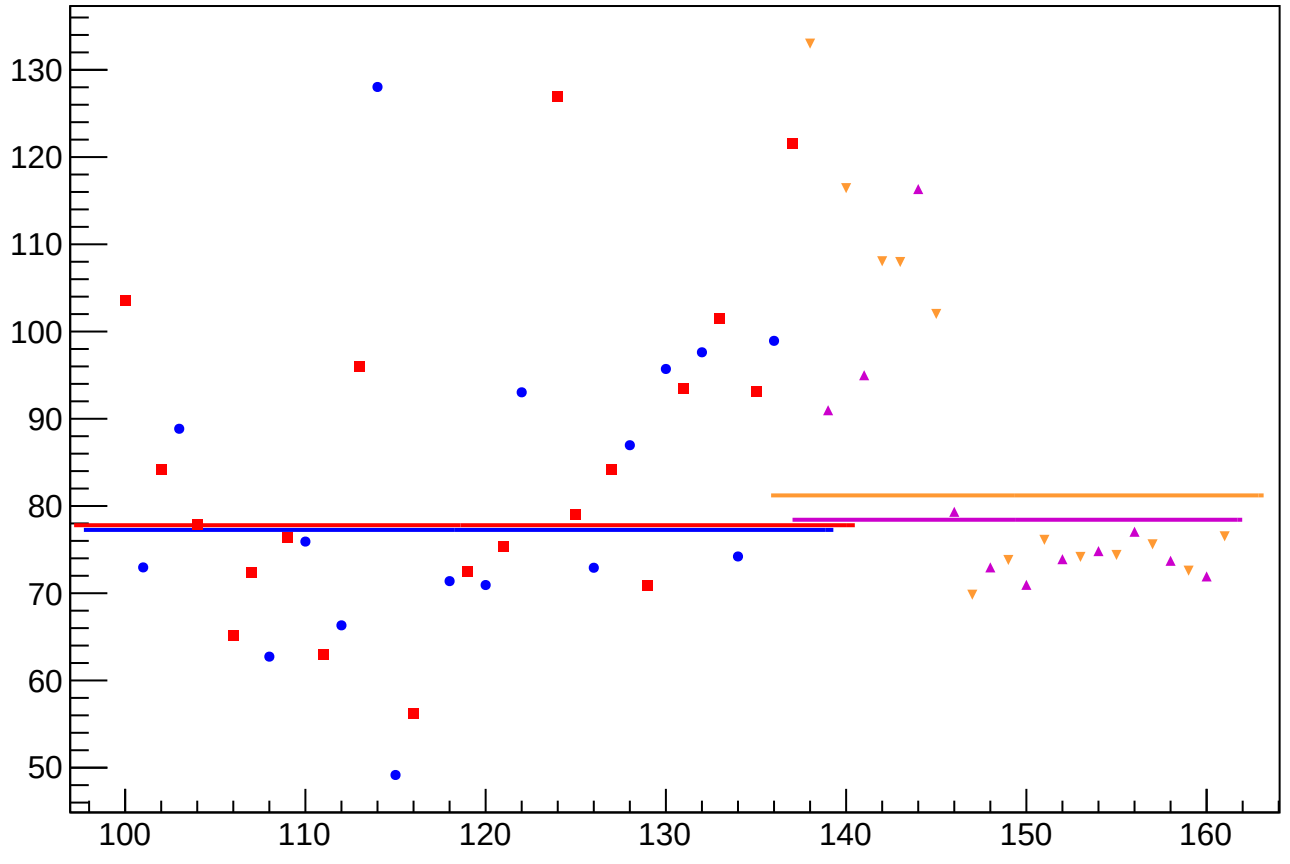
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.005+/-0.026 χ^2/NDF:17.5/10

+ sign -0.007+/-0.020 χ^2/NDF: 33.3/28

All: -0.008+/-0.014 χ^2/NDF: 76.3/58

- sign -0.009+/-0.020 χ^2/NDF: 43.0/29



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

Left Out: 81.214+/-0.019 χ^2/NDF:711008.3/12

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

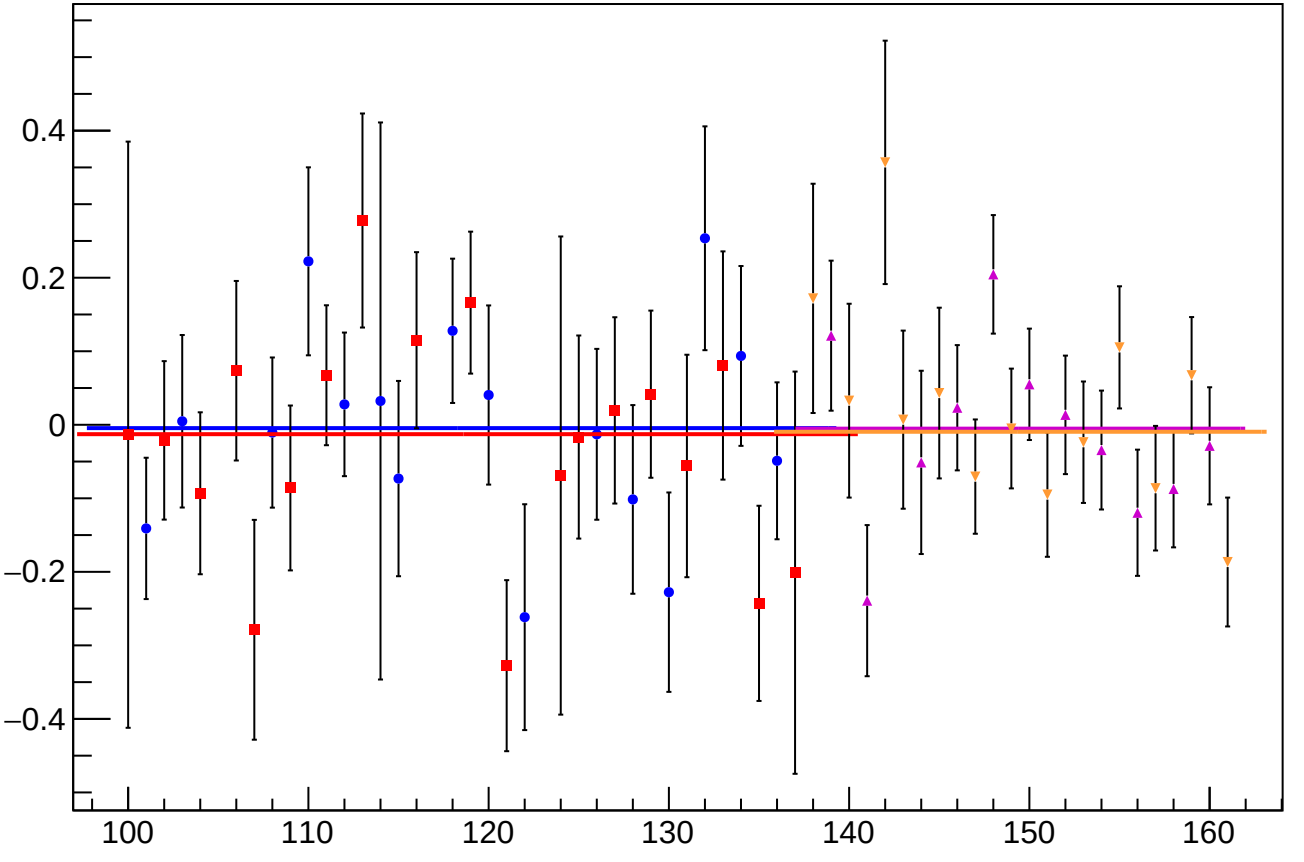
Left In: 78.423+/-0.018 χ^2/NDF:327246.0/10

+ sign 79.504+/-0.014 χ^2/NDF: 1149969.0/28

All: 78.821+/-0.010 χ^2/NDF: 1878930.5/58

- sign 78.151+/-0.014 χ^2/NDF: 724226.5/29

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.009+/-0.026 χ^2/NDF:16.0/12

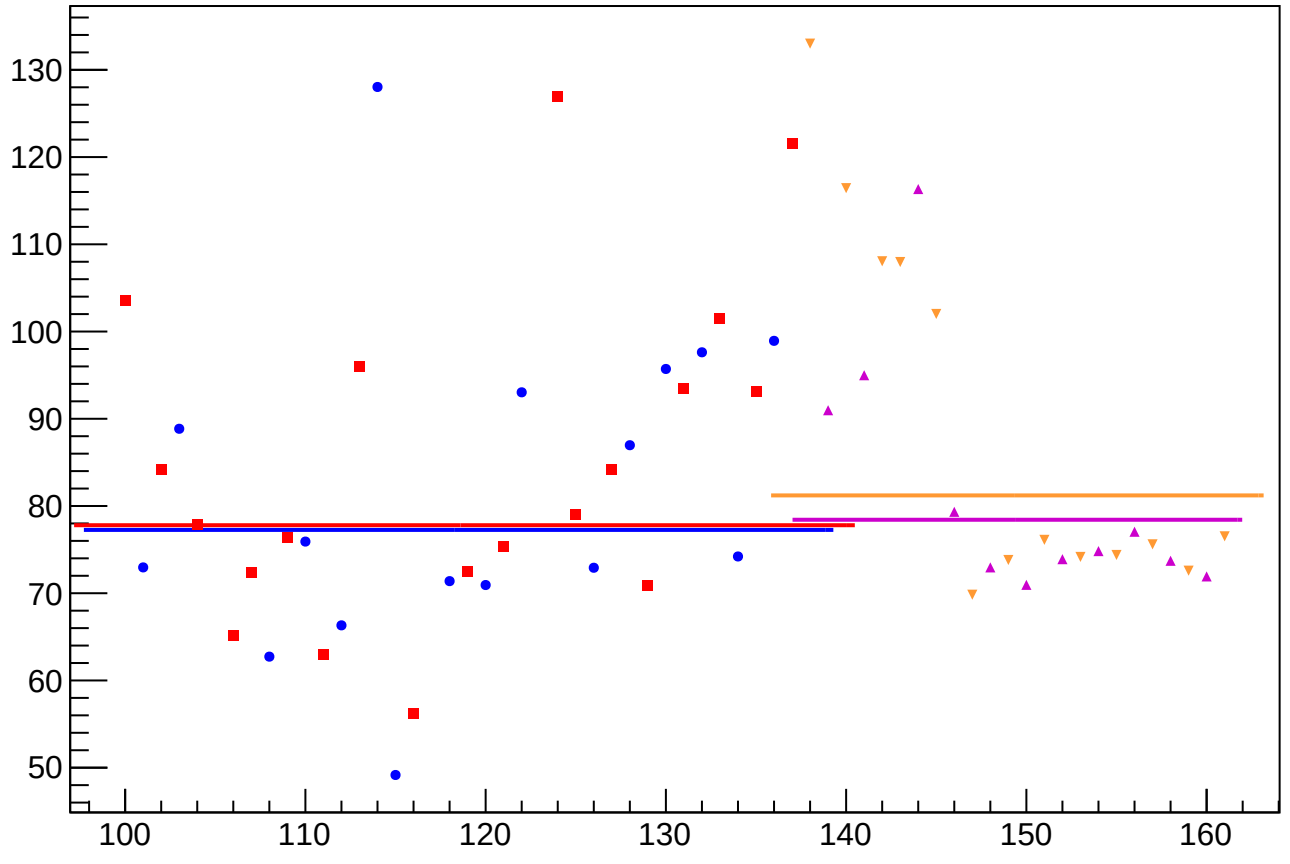
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.005+/-0.026 χ^2/NDF:17.5/10

+ sign -0.007+/-0.020 χ^2/NDF: 33.3/28

All: -0.008+/-0.014 χ^2/NDF: 76.3/58

- sign -0.009+/-0.020 χ^2/NDF: 43.0/29



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

Left Out: 81.214+/-0.019 χ^2/NDF:711008.3/12

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

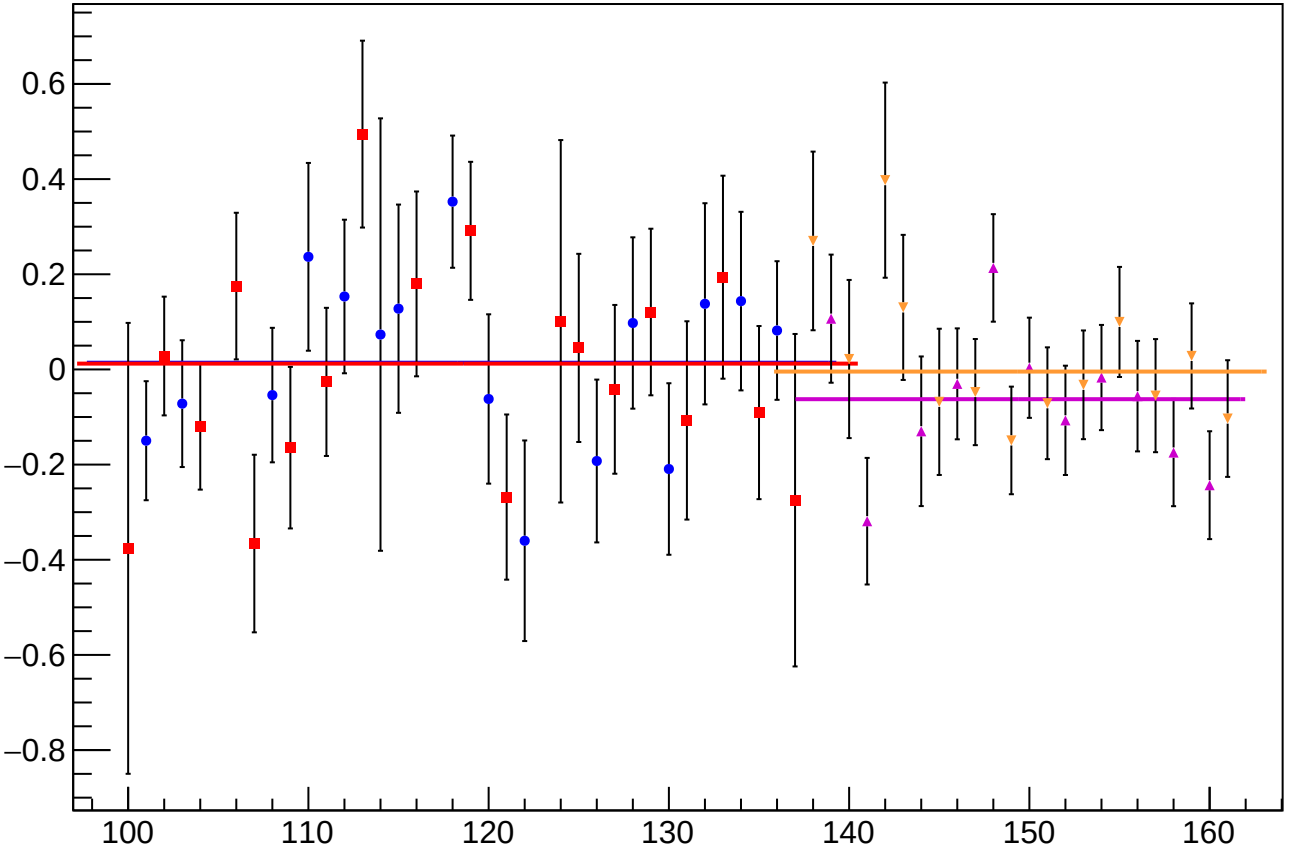
Left In: 78.423+/-0.018 χ^2/NDF:327246.0/10

+ sign 79.504+/-0.014 χ^2/NDF: 1149969.0/28

All: 78.821+/-0.010 χ^2/NDF: 1878930.5/58

- sign 78.151+/-0.014 χ^2/NDF: 724226.5/29

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.004+/-0.036 χ^2/NDF:10.9/12

Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

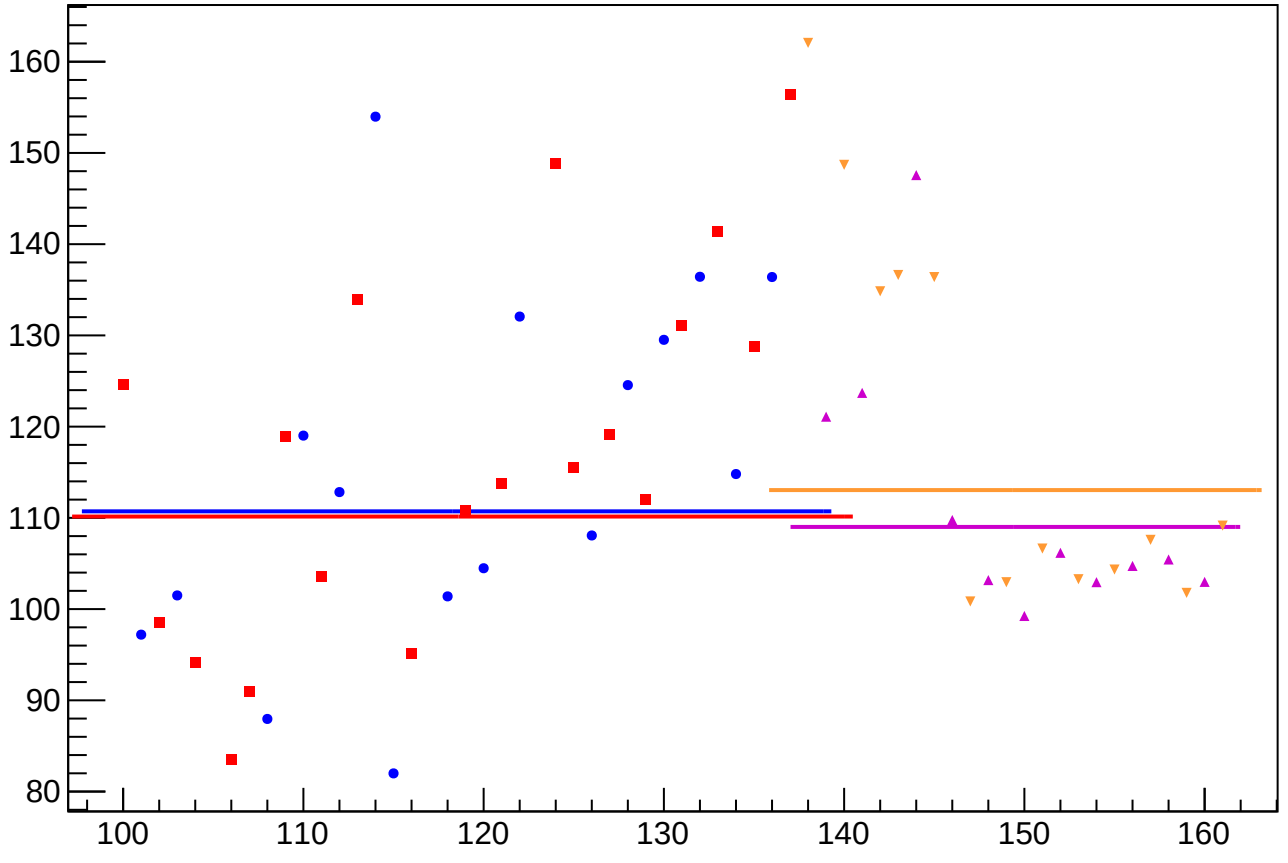
Left In: -0.063+/-0.036 χ^2/NDF:15.8/10

+ sign 0.003+/-0.027 χ^2/NDF: 29.2/28

All: -0.014+/-0.019 χ^2/NDF: 71.3/58

- sign -0.031+/-0.027 χ^2/NDF: 41.4/29

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.045+/-0.025 χ^2/NDF:443813.1/12

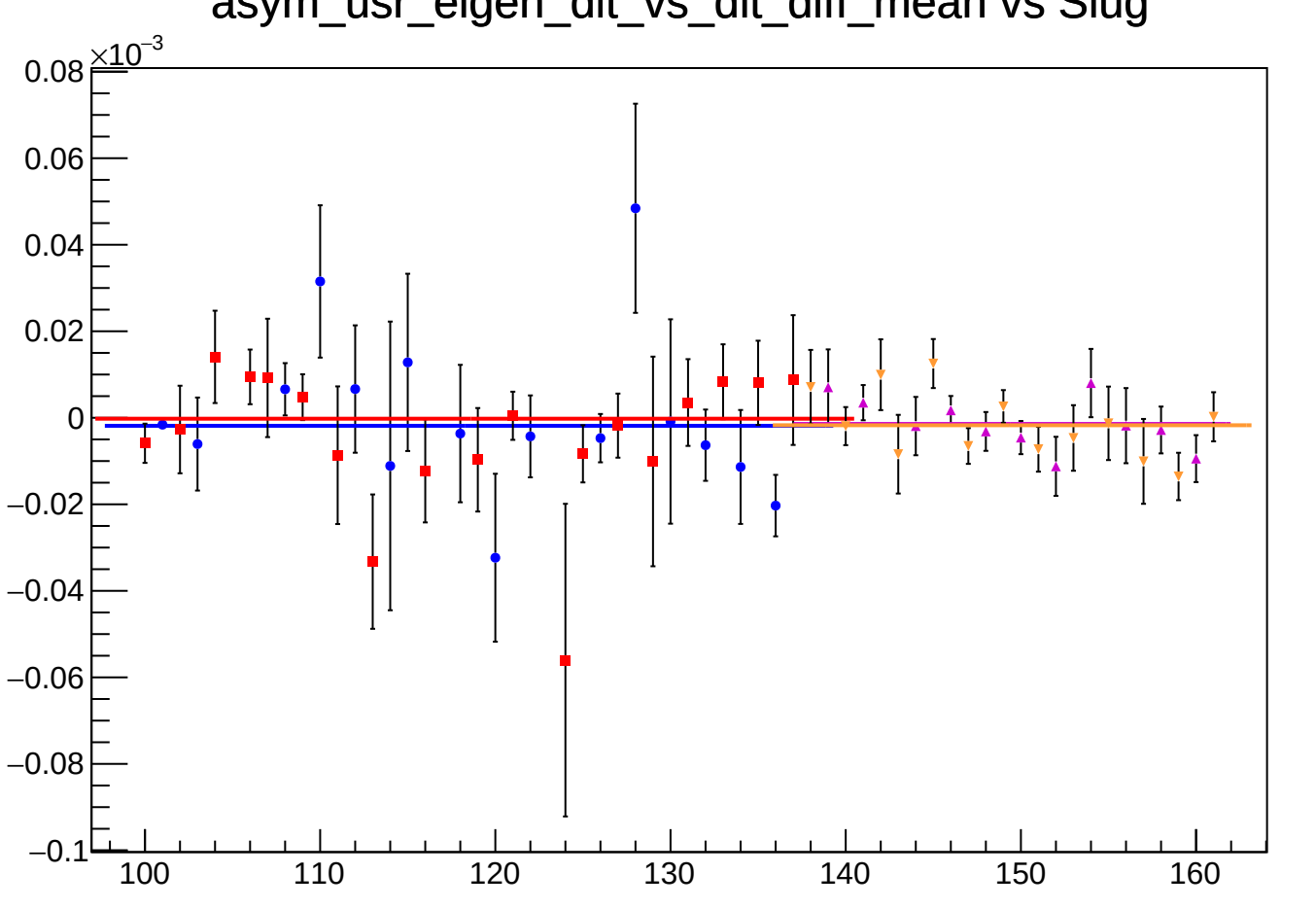
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 109.007+/-0.025 χ^2/NDF:201018.4/10

+ sign 112.068+/-0.019 χ^2/NDF: 747317.4/28

All: 110.765+/-0.014 χ^2/NDF: 1284883.2/58

- sign 109.494+/-0.019 χ^2/NDF: 528612.3/29



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

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/12

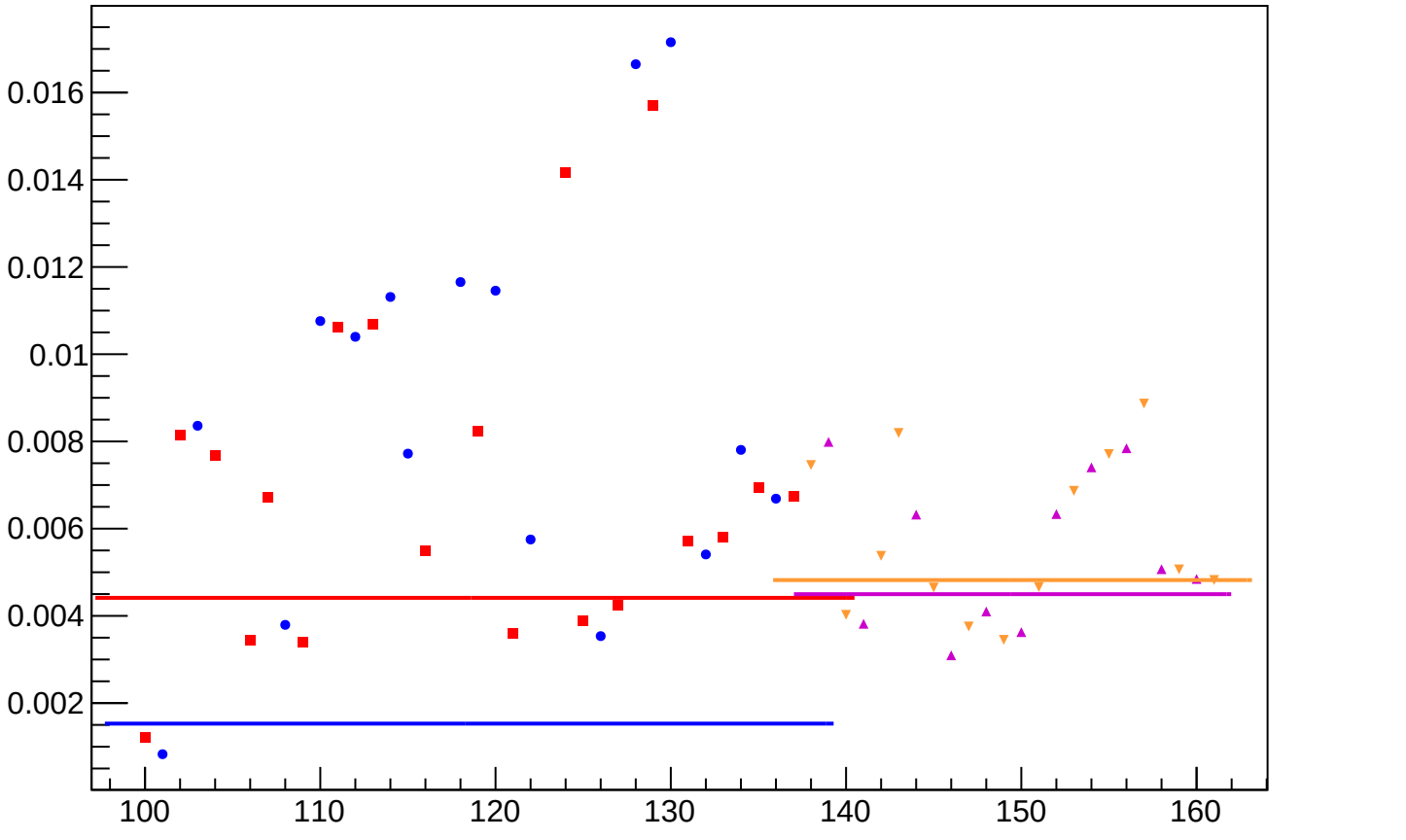
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/10

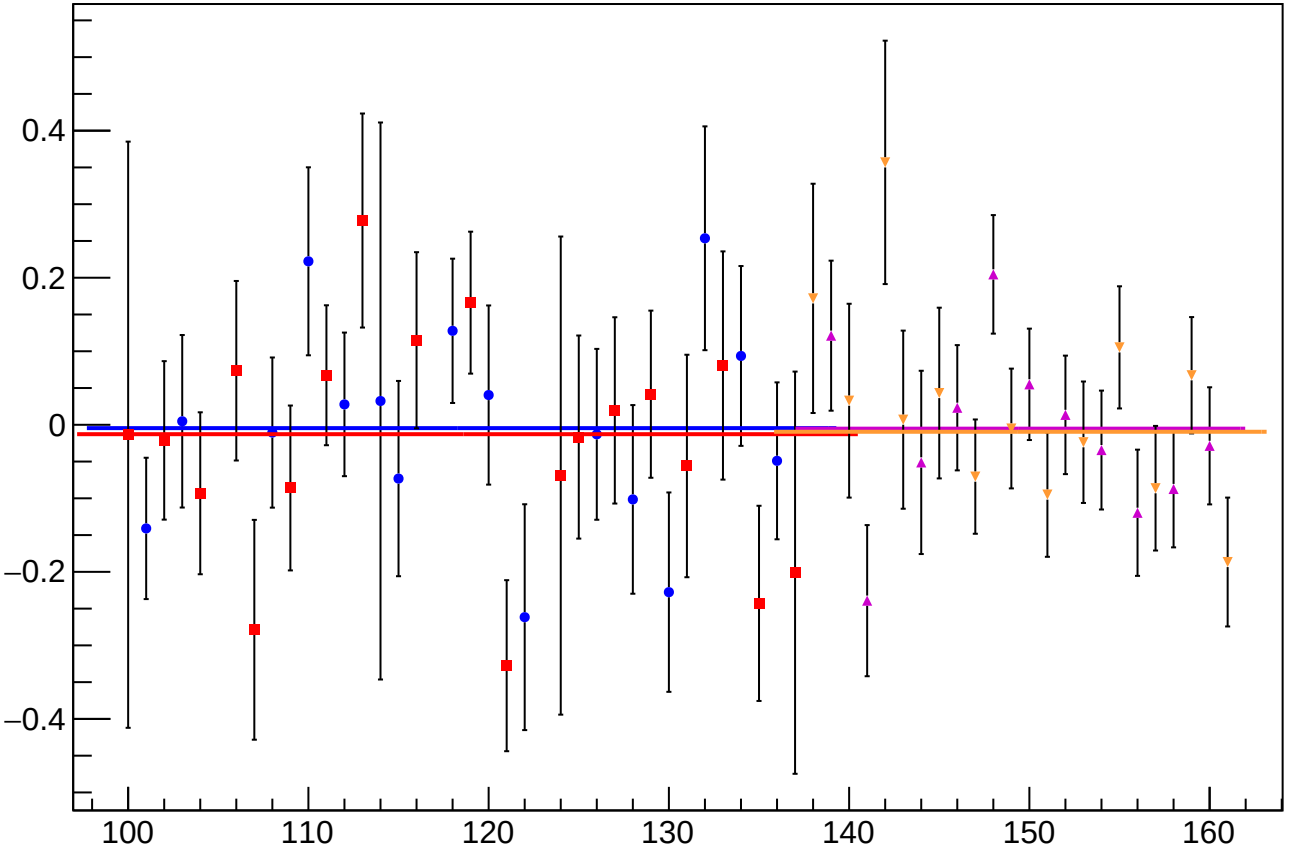
+ sign -0.000+/-0.000 χ^2/NDF: 40.8/28

All: -0.000+/-0.000 χ^2/NDF: 71.2/58

- sign -0.000+/-0.000 χ^2/NDF: 30.0/29


asym_usr_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 9222940.9/15
Left Out: 0.005+/-0.000 χ²/NDF:1660699.0/12
Right Out: 0.004+/-0.000 χ²/NDF: 3388069.5/18
Left In: 0.004+/-0.000 χ²/NDF:1740175.9/10
+ sign 0.002+/-0.000 χ²/NDF: 17117187.7/28
All: 0.003+/-0.000 χ²/NDF: 26148023.8/58
- sign 0.004+/-0.000 χ²/NDF: 5130586.8/29

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.009+/-0.026 χ^2/NDF:16.0/12

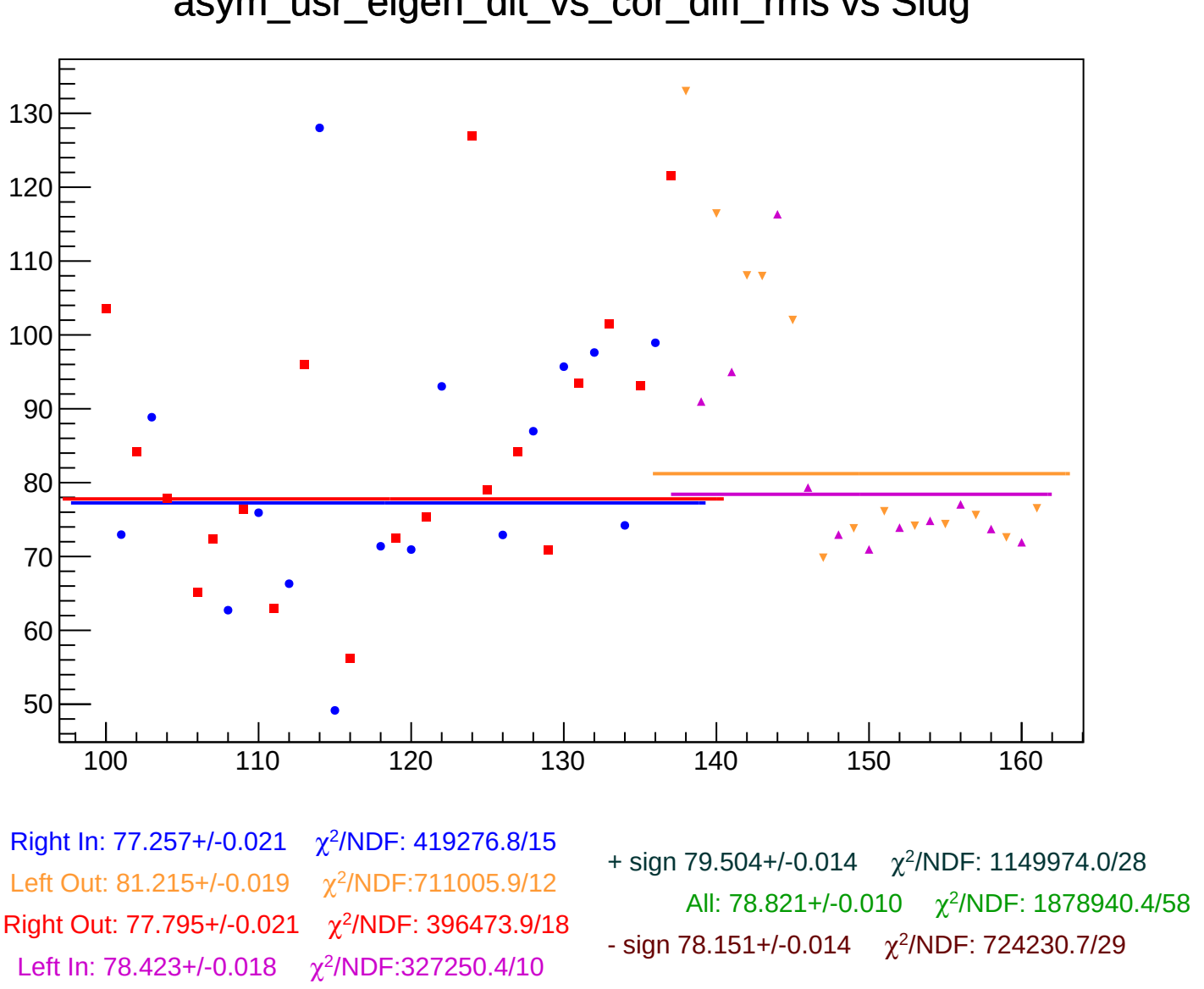
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

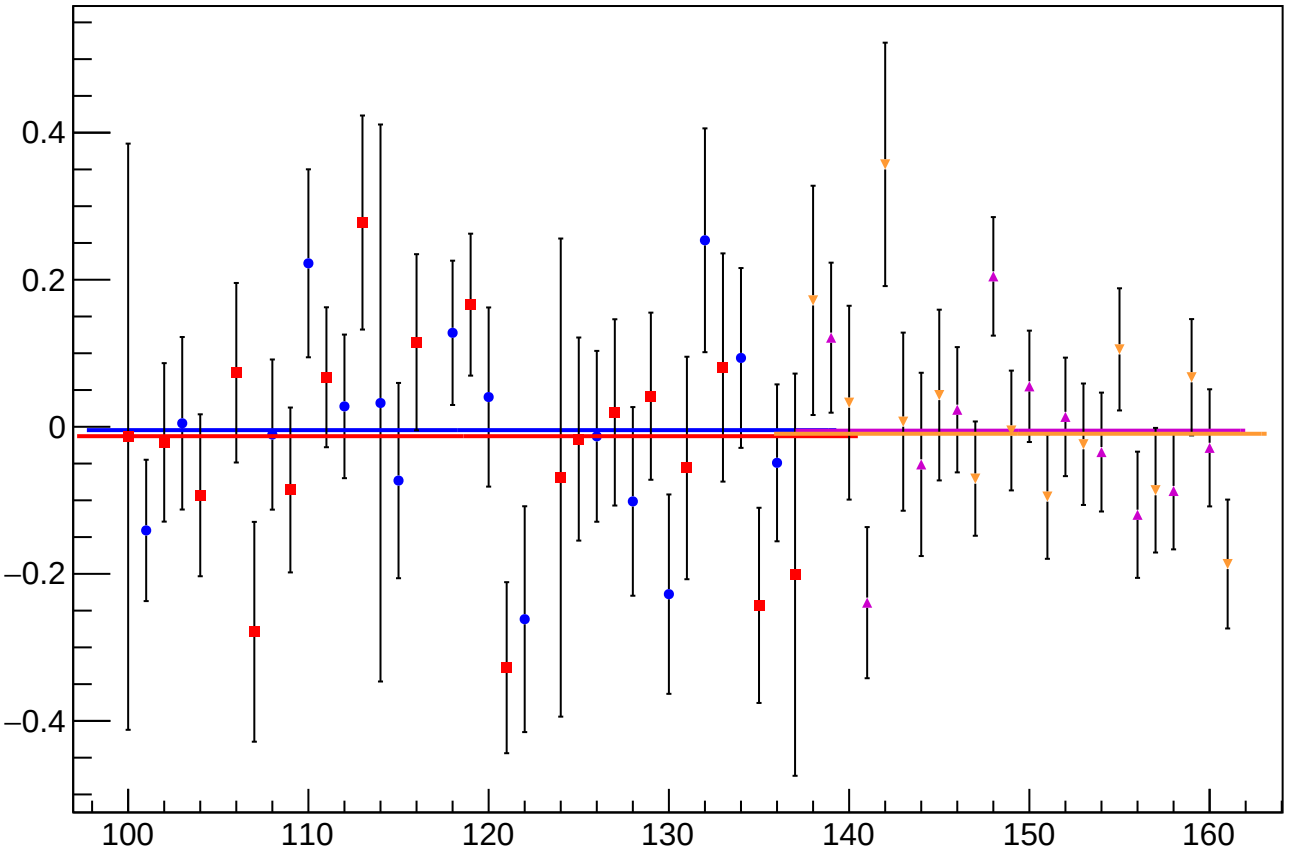
Left In: -0.005+/-0.026 χ^2/NDF:17.5/10

+ sign -0.007+/-0.020 χ^2/NDF: 33.3/28

All: -0.008+/-0.014 χ^2/NDF: 76.3/58

- sign -0.009+/-0.020 χ^2/NDF: 43.0/29


asym_usr_eigen_dit_vs_cor_diff_rms vs Slug
130
120
110
100
90
80
70
60
50
100
110
120
130
140
150
160
Right In: 77.257+/-0.021 χ²/NDF: 419276.8/15
Left Out: 81.215+/-0.019 χ²/NDF:711005.9/12
Right Out: 77.795+/-0.021 χ²/NDF: 396473.9/18
Left In: 78.423+/-0.018 χ²/NDF:327250.4/10
+ sign 79.504+/-0.014 χ²/NDF: 1149974.0/28
All: 78.821+/-0.010 χ²/NDF: 1878940.4/58
- sign 78.151+/-0.014 χ²/NDF: 724230.7/29



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

Left Out: -0.009+/-0.026 χ^2/NDF:16.0/12

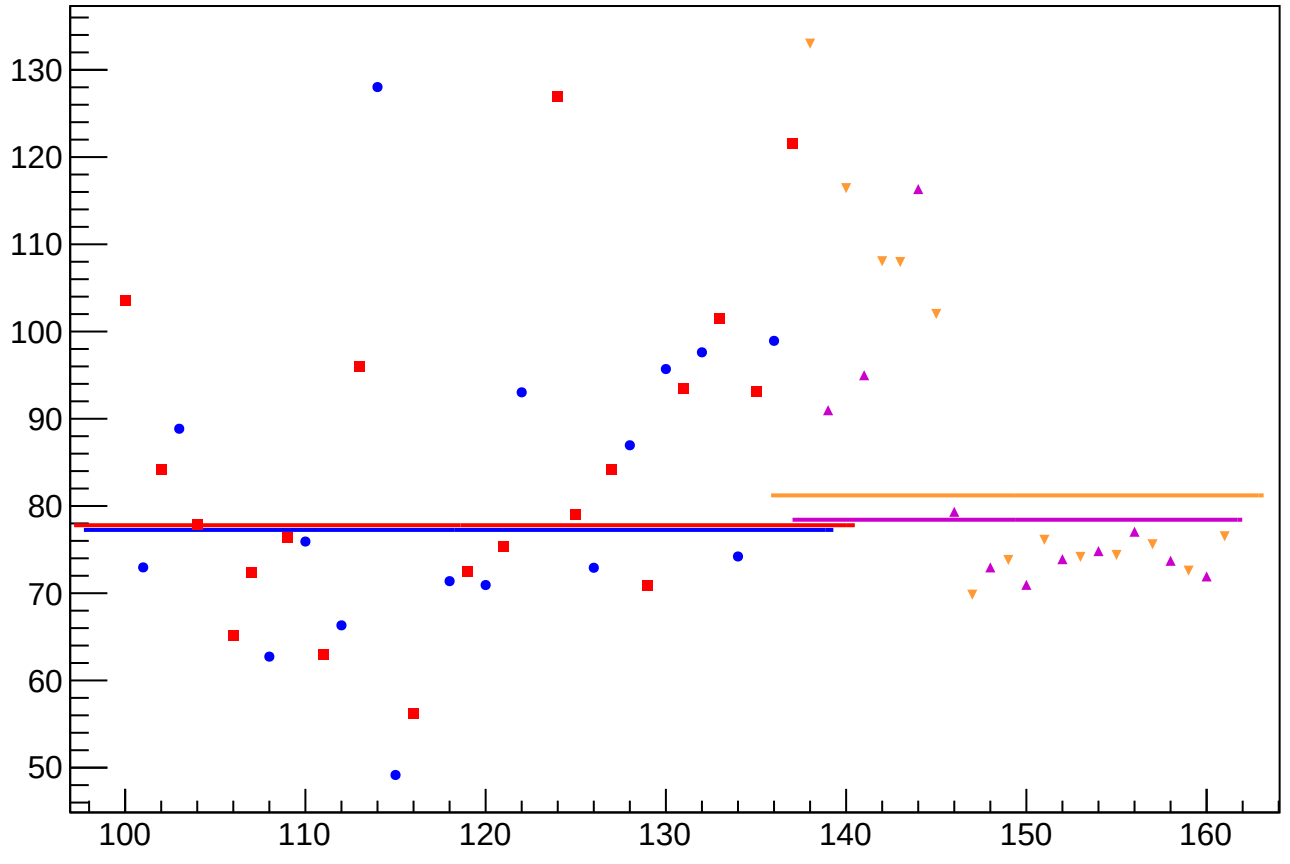
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.005+/-0.026 χ^2/NDF:17.5/10

+ sign -0.007+/-0.020 χ^2/NDF: 33.3/28

All: -0.008+/-0.014 χ^2/NDF: 76.3/58

- sign -0.009+/-0.020 χ^2/NDF: 43.0/29



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

Left Out: 81.215+/-0.019 χ^2/NDF:711005.9/12

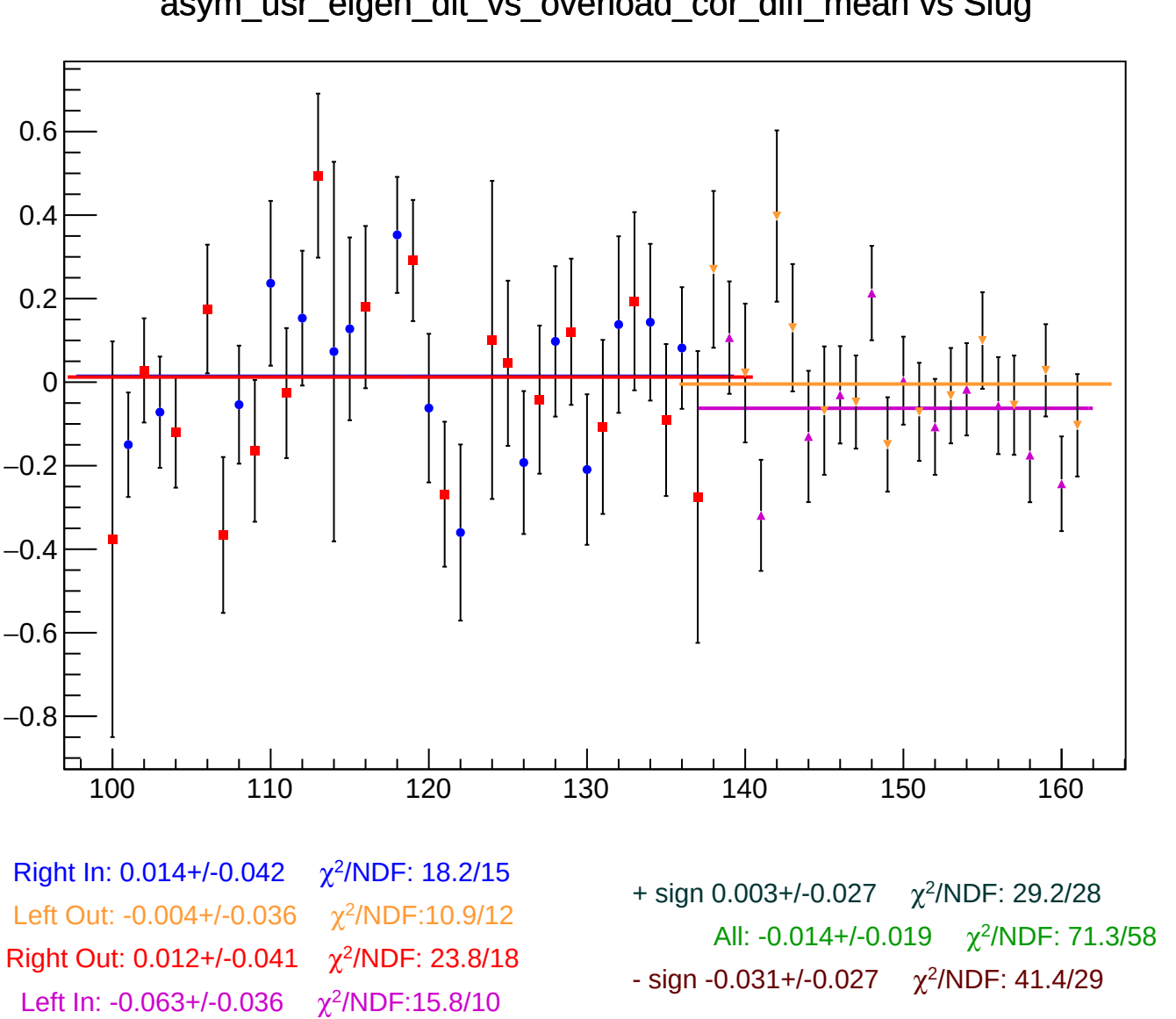
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

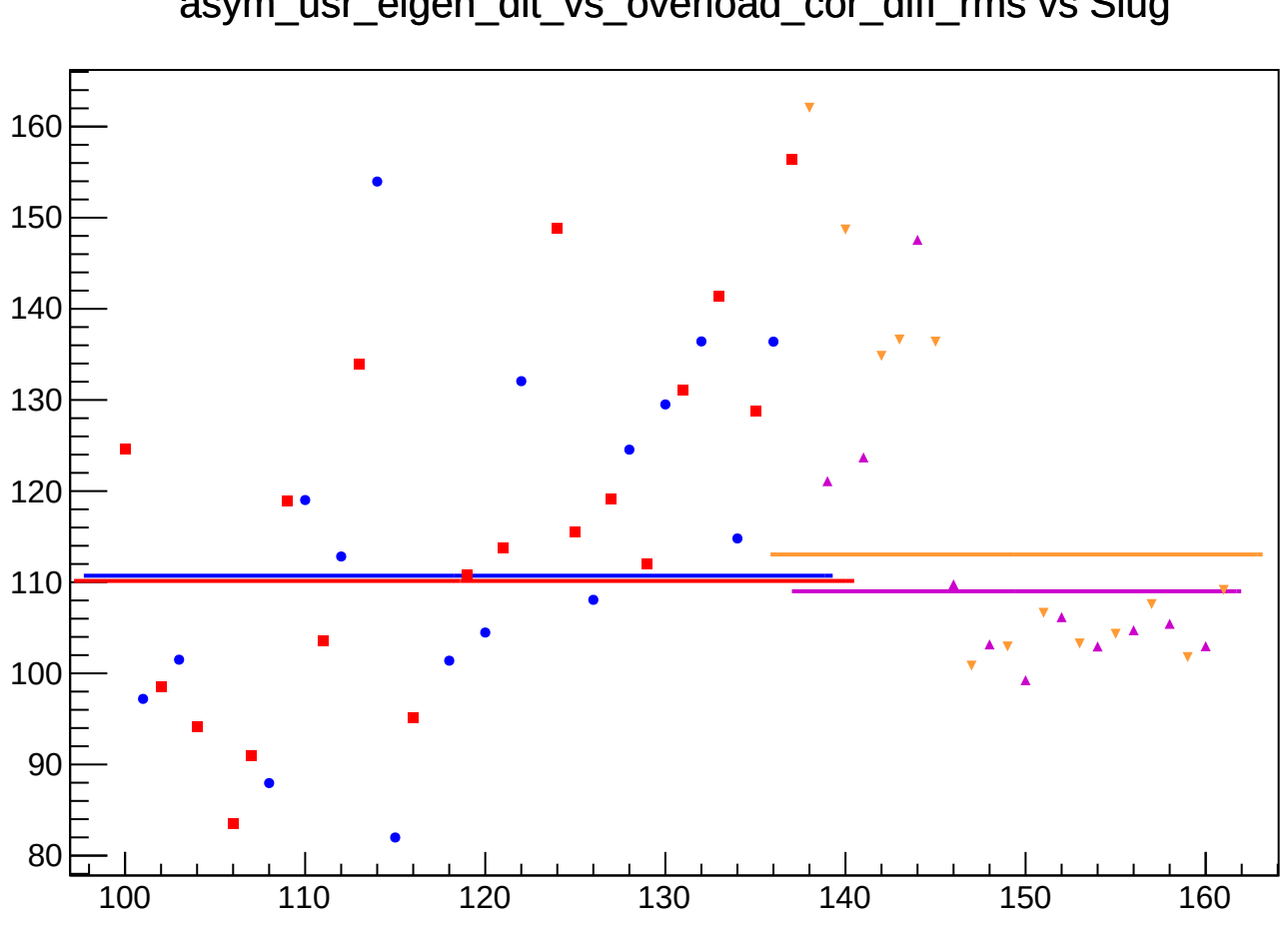
Left In: 78.423+/-0.018 χ^2/NDF:327250.4/10

+ sign 79.504+/-0.014 χ^2/NDF: 1149974.0/28

All: 78.821+/-0.010 χ^2/NDF: 1878940.4/58

- sign 78.151+/-0.014 χ^2/NDF: 724230.7/29


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
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: -0.004+/-0.036 χ²/NDF:10.9/12
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.063+/-0.036 χ²/NDF:15.8/10
+ sign 0.003+/-0.027 χ²/NDF: 29.2/28
All: -0.014+/-0.019 χ²/NDF: 71.3/58
- sign -0.031+/-0.027 χ²/NDF: 41.4/29



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 113.046+/-0.025 χ^2/NDF:443810.8/12

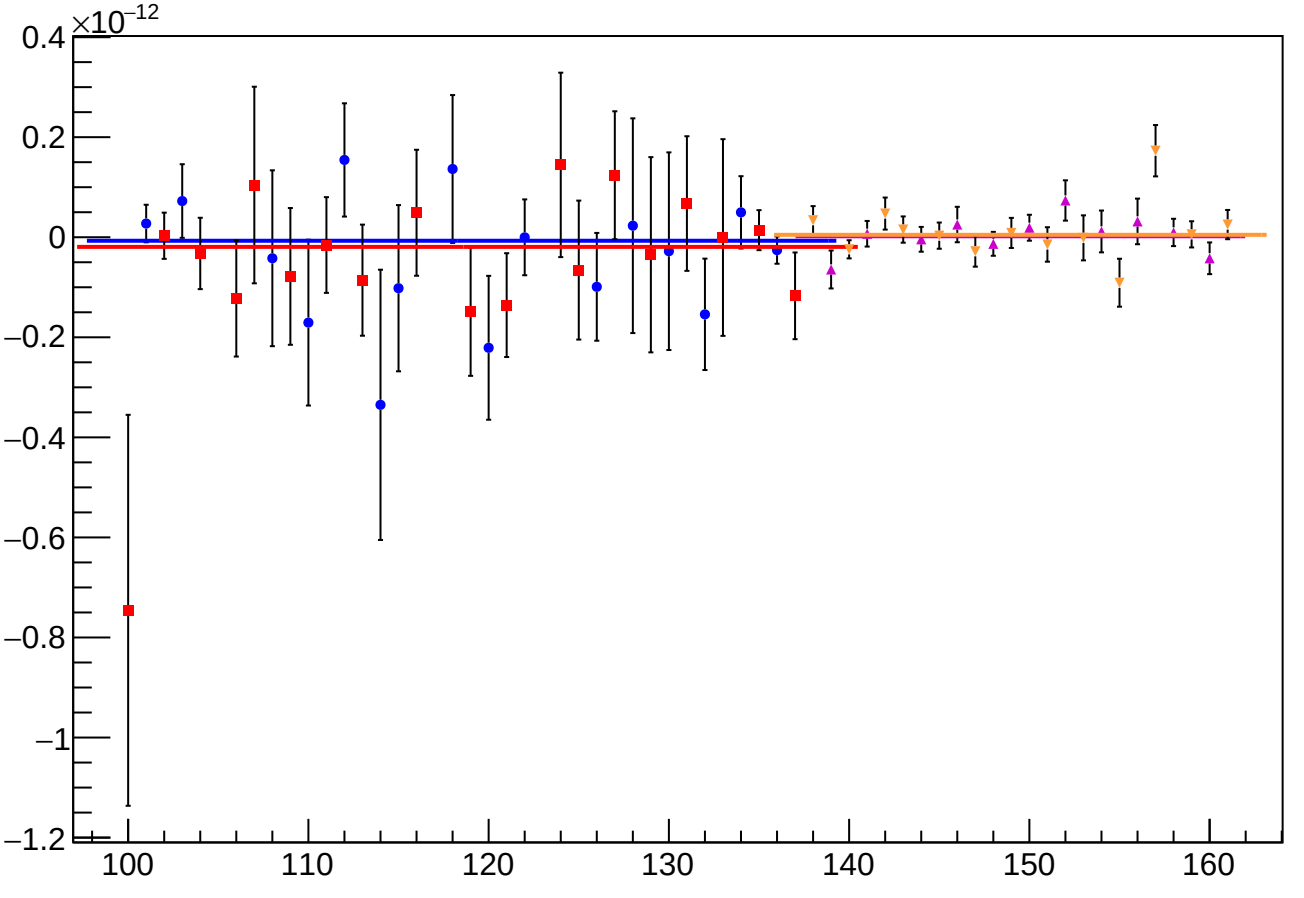
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 109.007+/-0.025 χ^2/NDF:201021.3/10

+ sign 112.068+/-0.019 χ^2/NDF: 747294.4/28

All: 110.765+/-0.014 χ^2/NDF: 1284831.9/58

- sign 109.494+/-0.019 χ^2/NDF: 528583.8/29



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

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/12

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

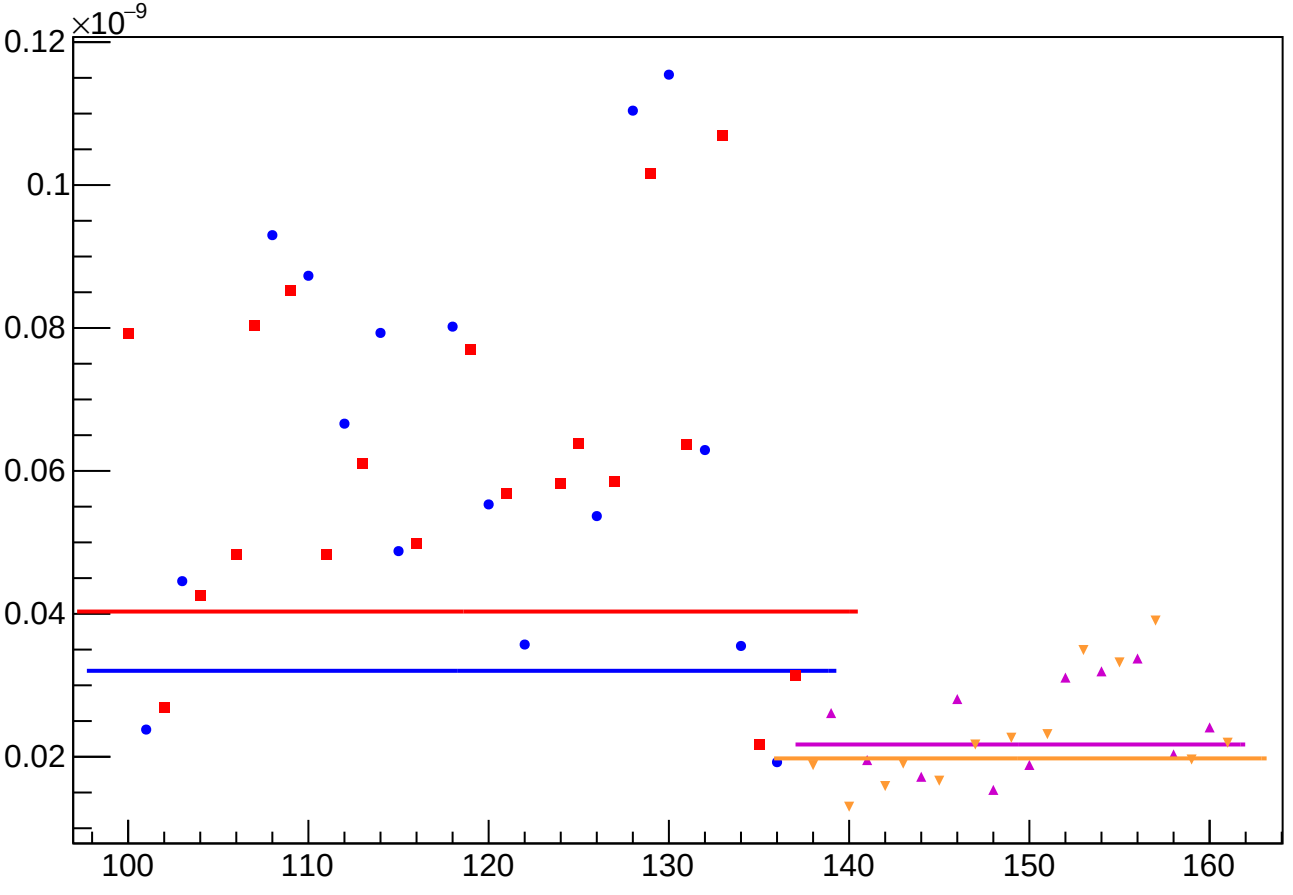
Left In: 0.000+/-0.000 χ^2/NDF:10.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 36.2/28

All: 0.000+/-0.000 χ^2/NDF: 59.9/58

- sign -0.000+/-0.000 χ^2/NDF: 23.5/29

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:1063309.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

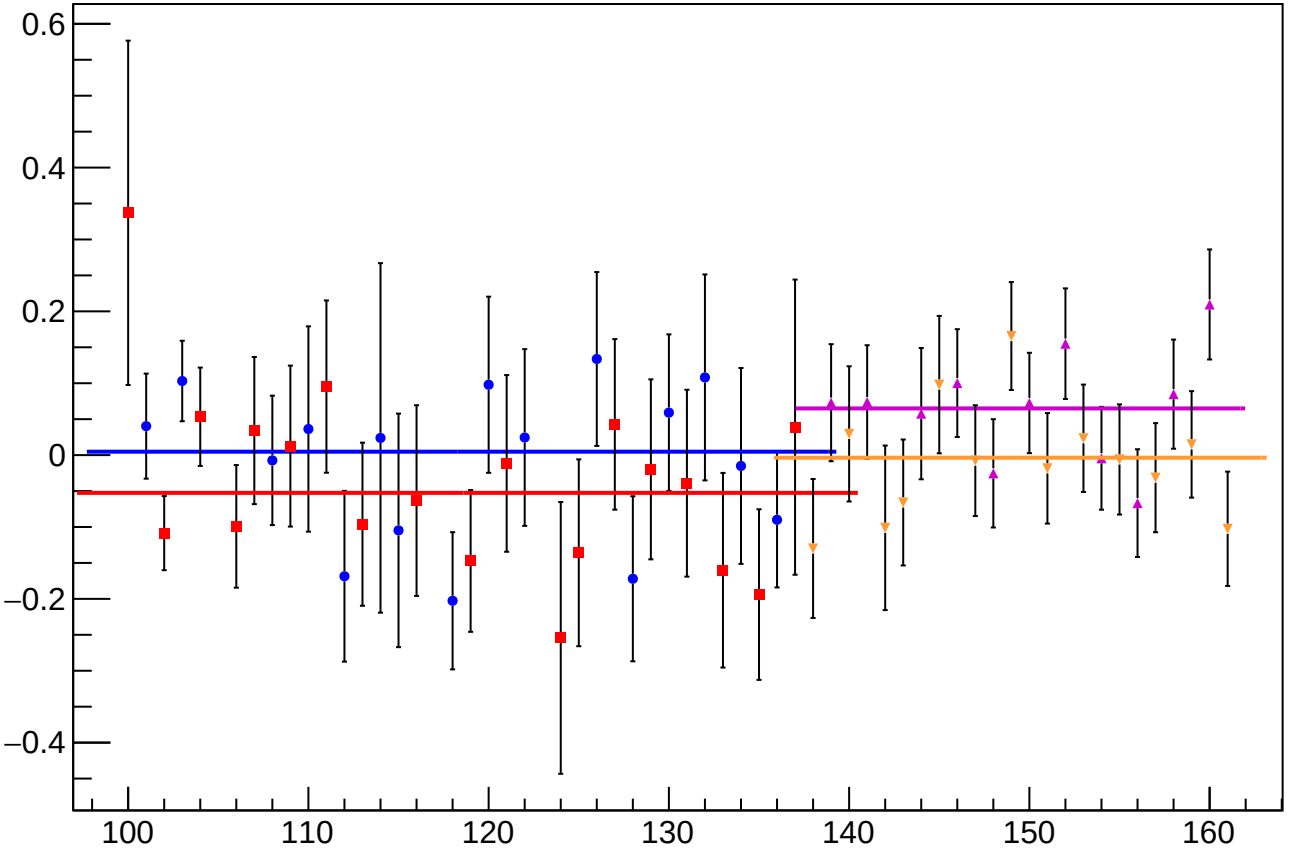
Left In: 0.000+/-0.000 χ^2/NDF:721994.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 4298715.3/28

All: 0.000+/-0.000 χ^2/NDF: 8317838.0/58

- sign 0.000+/-0.000 χ^2/NDF: 3893857.2/29

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.004+/-0.023 χ^2/NDF:11.2/12

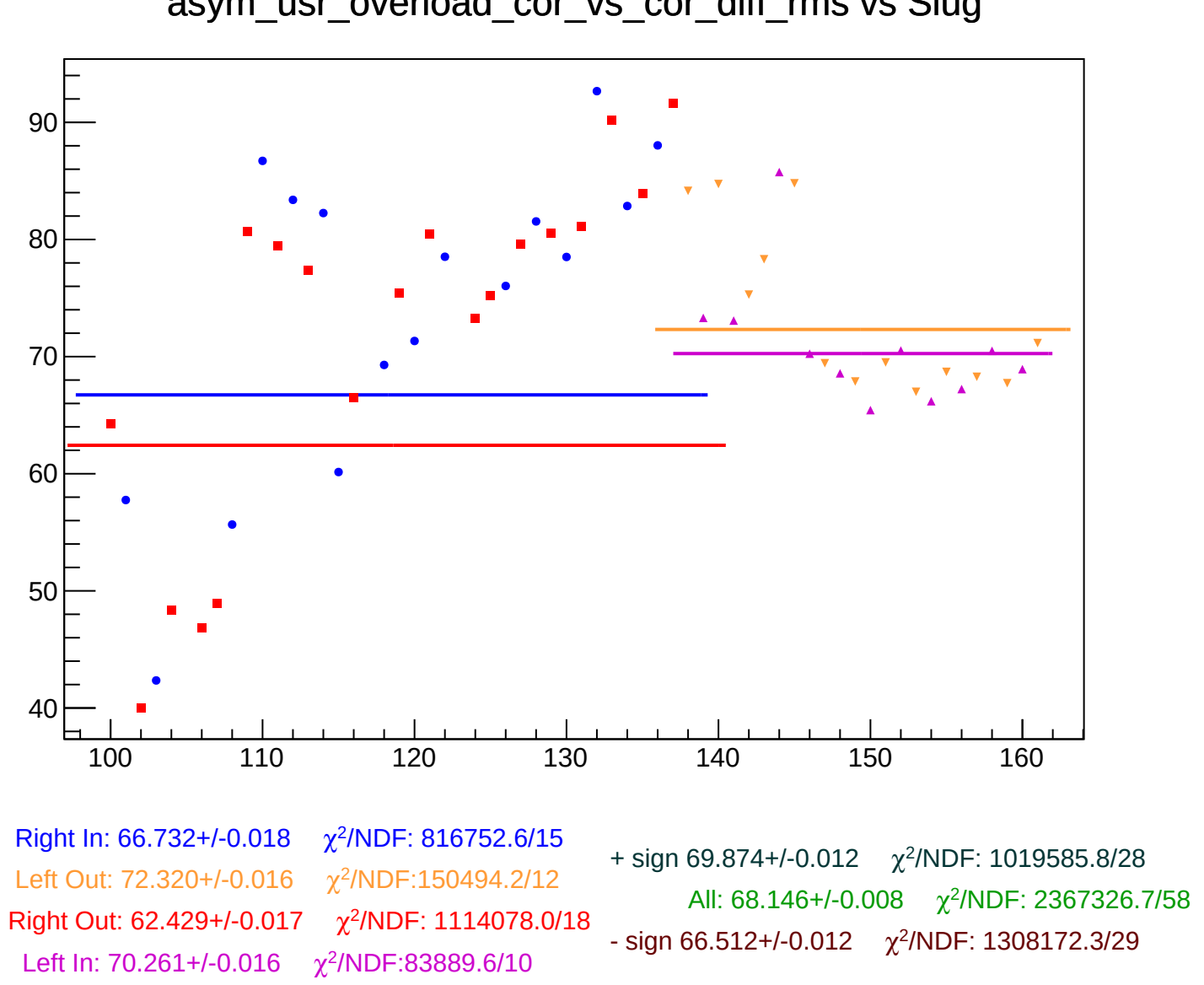
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

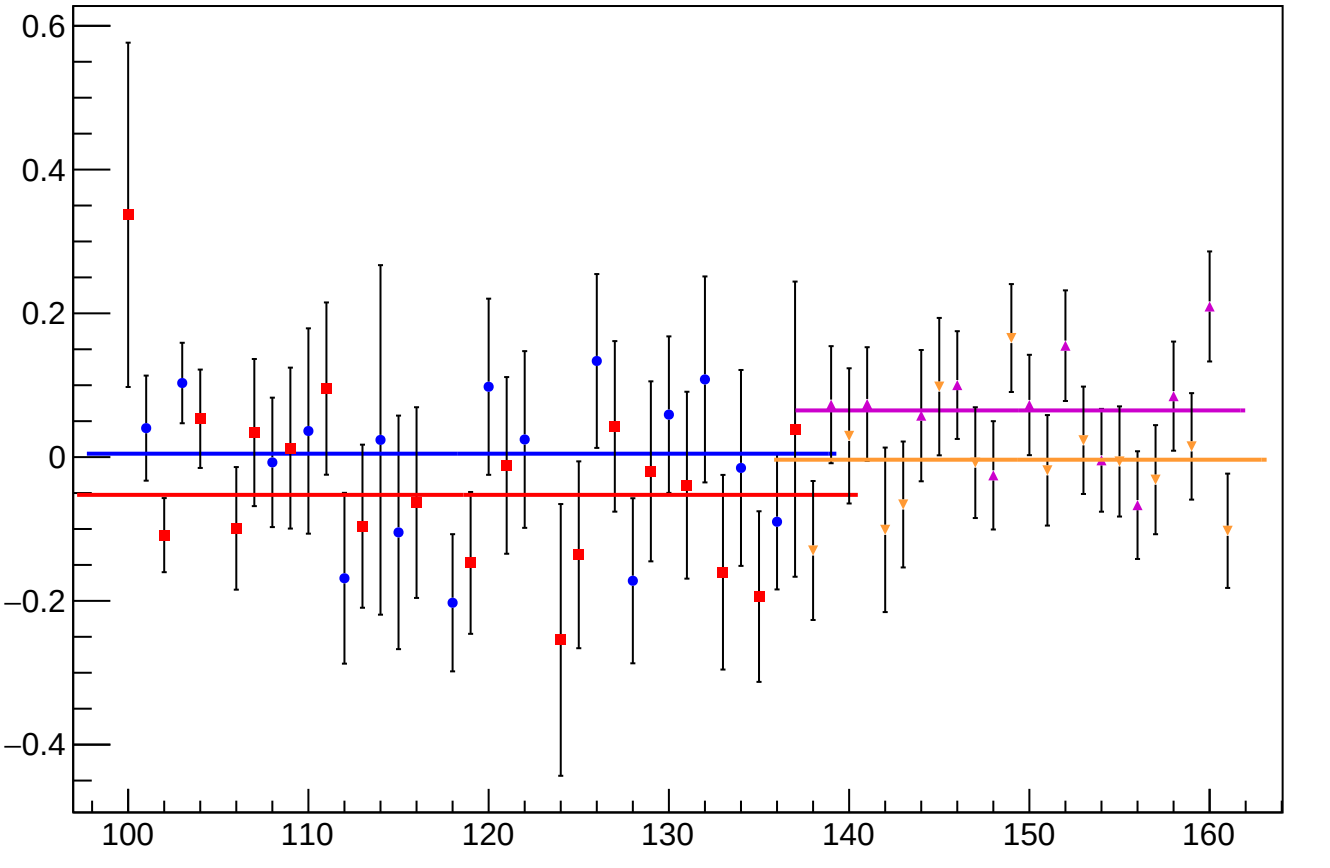
Left In: 0.065+/-0.023 χ^2/NDF:10.7/10

+ sign 0.000+/-0.017 χ^2/NDF: 27.9/28

All: 0.004+/-0.012 χ^2/NDF: 65.9/58

- sign 0.009+/-0.017 χ^2/NDF: 37.9/29


asym_usr_overload_cor_vs_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
160
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 72.320+/-0.016 χ²/NDF:150494.2/12
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 70.261+/-0.016 χ²/NDF:83889.6/10
+ sign 69.874+/-0.012 χ²/NDF: 1019585.8/28
All: 68.146+/-0.008 χ²/NDF: 2367326.7/58
- sign 66.512+/-0.012 χ²/NDF: 1308172.3/29



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.004+/-0.023 χ^2/NDF:11.2/12

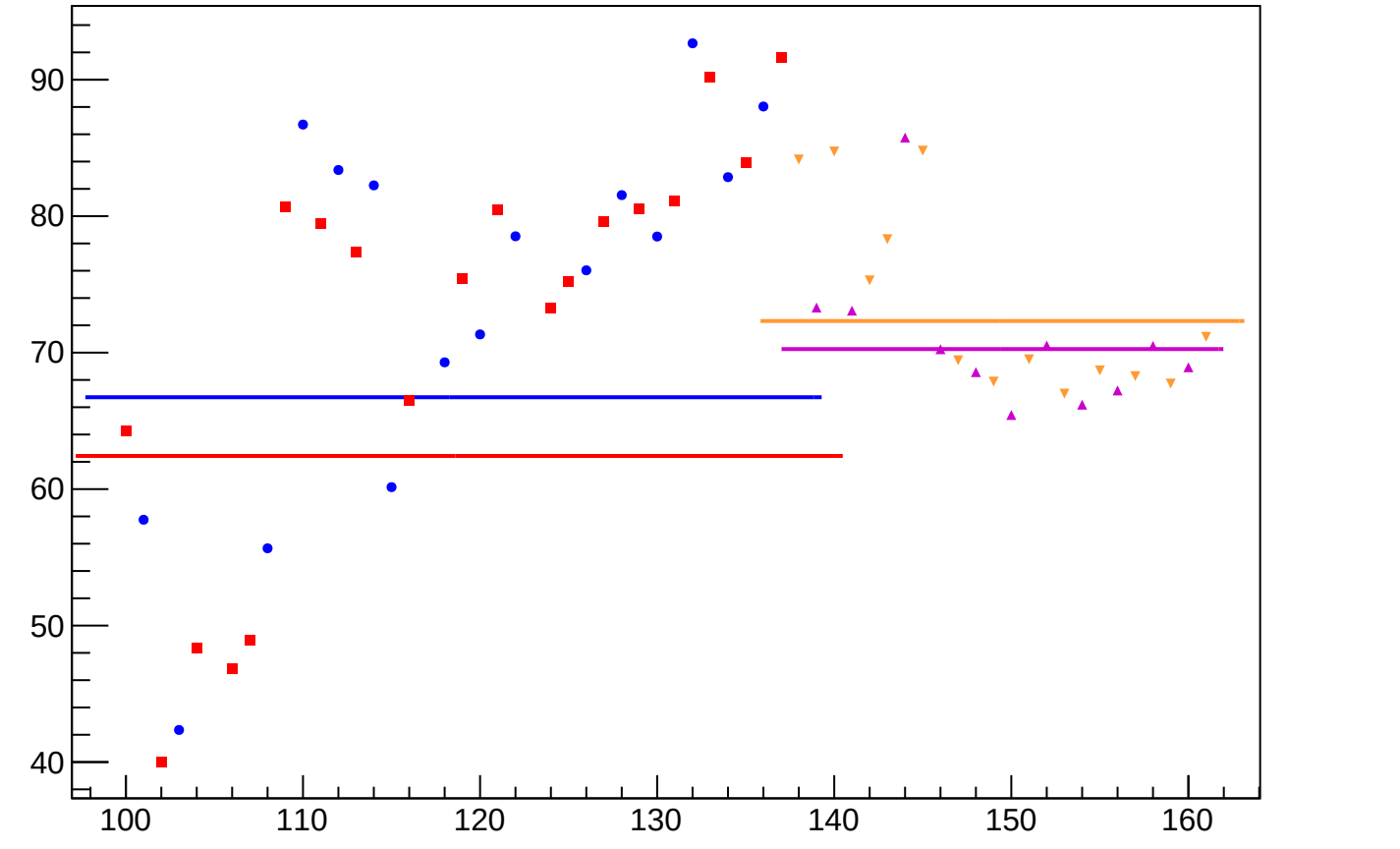
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.065+/-0.023 χ^2/NDF:10.7/10

+ sign 0.000+/-0.017 χ^2/NDF: 27.9/28

All: 0.004+/-0.012 χ^2/NDF: 65.9/58

- sign 0.009+/-0.017 χ^2/NDF: 37.9/29



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.320+/-0.016 χ^2/NDF:150494.2/12

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

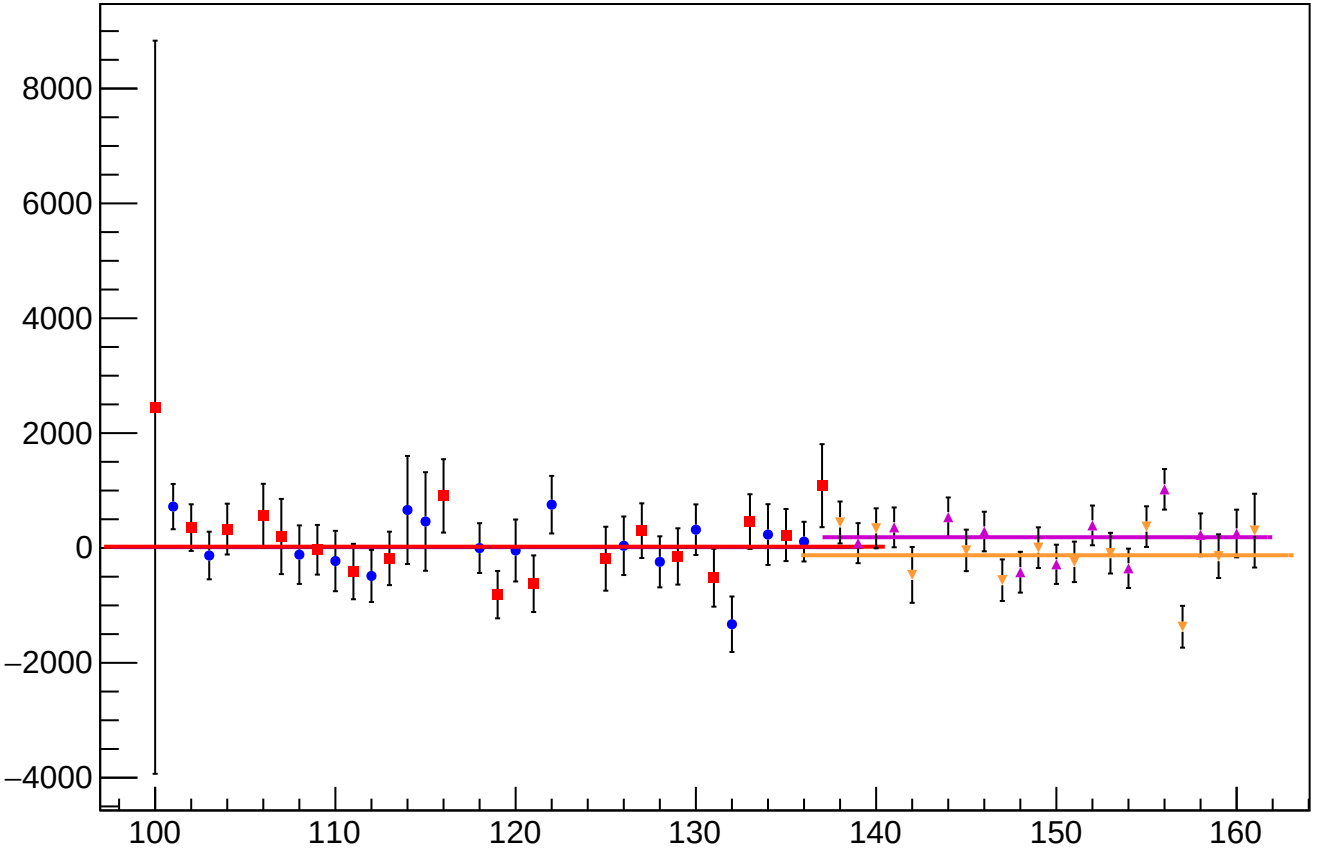
Left In: 70.261+/-0.016 χ^2/NDF:83889.6/10

+ sign 69.874+/-0.012 χ^2/NDF: 1019585.8/28

All: 68.146+/-0.008 χ^2/NDF: 2367326.7/58

- sign 66.512+/-0.012 χ^2/NDF: 1308172.3/29

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -126.980+/-108.991 χ^2/NDF:20.6/11

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

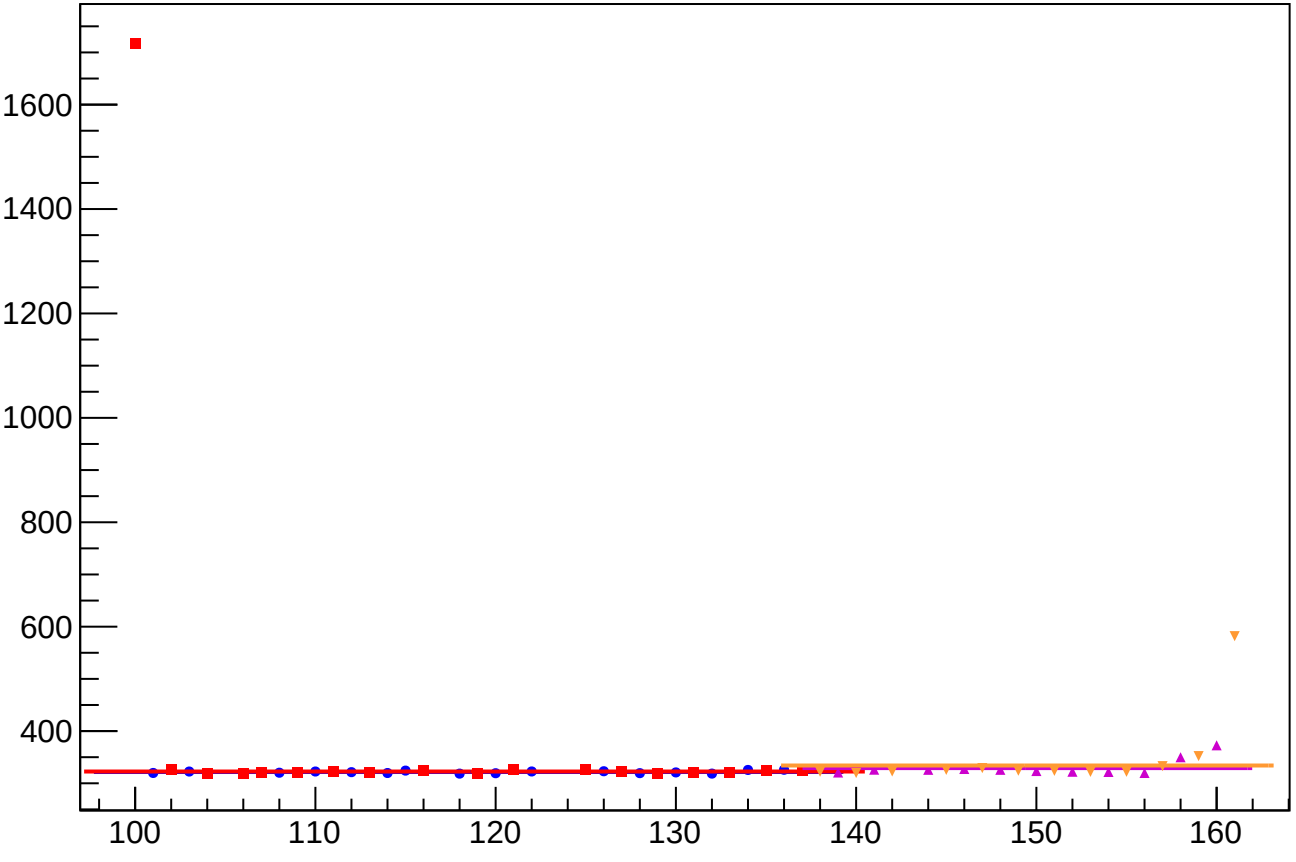
Left In: 187.102+/-106.692 χ^2/NDF:14.8/10

\+ sign -62.231+/-80.507 χ^2/NDF: 38.0/27

All: 26.858+/-56.568 χ^2/NDF: 72.2/56

\- sign 113.737+/-79.502 χ^2/NDF: 31.8/28

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 334.072+/-0.077 χ^2/NDF:318208.3/11

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

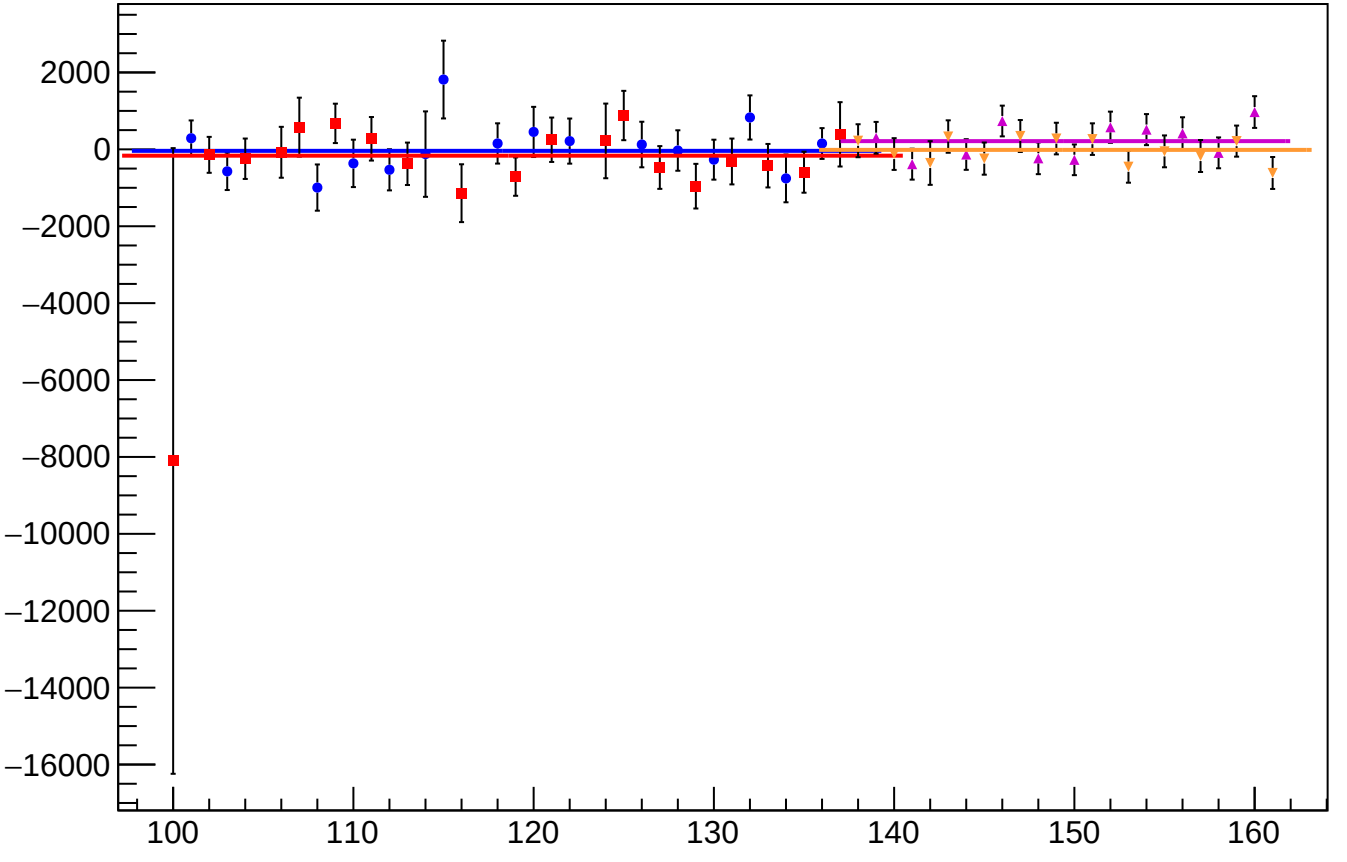
Left In: 329.101+/-0.075 χ^2/NDF:33693.5/10

+ sign 328.407+/-0.057 χ^2/NDF: 330924.7/27

All: 327.284+/-0.040 χ^2/NDF: 465629.5/56

- sign 326.189+/-0.056 χ^2/NDF: 133936.1/28

asym_dsr_mean vs Slug



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -14.167+/-117.285 χ^2/NDF:7.1/12

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

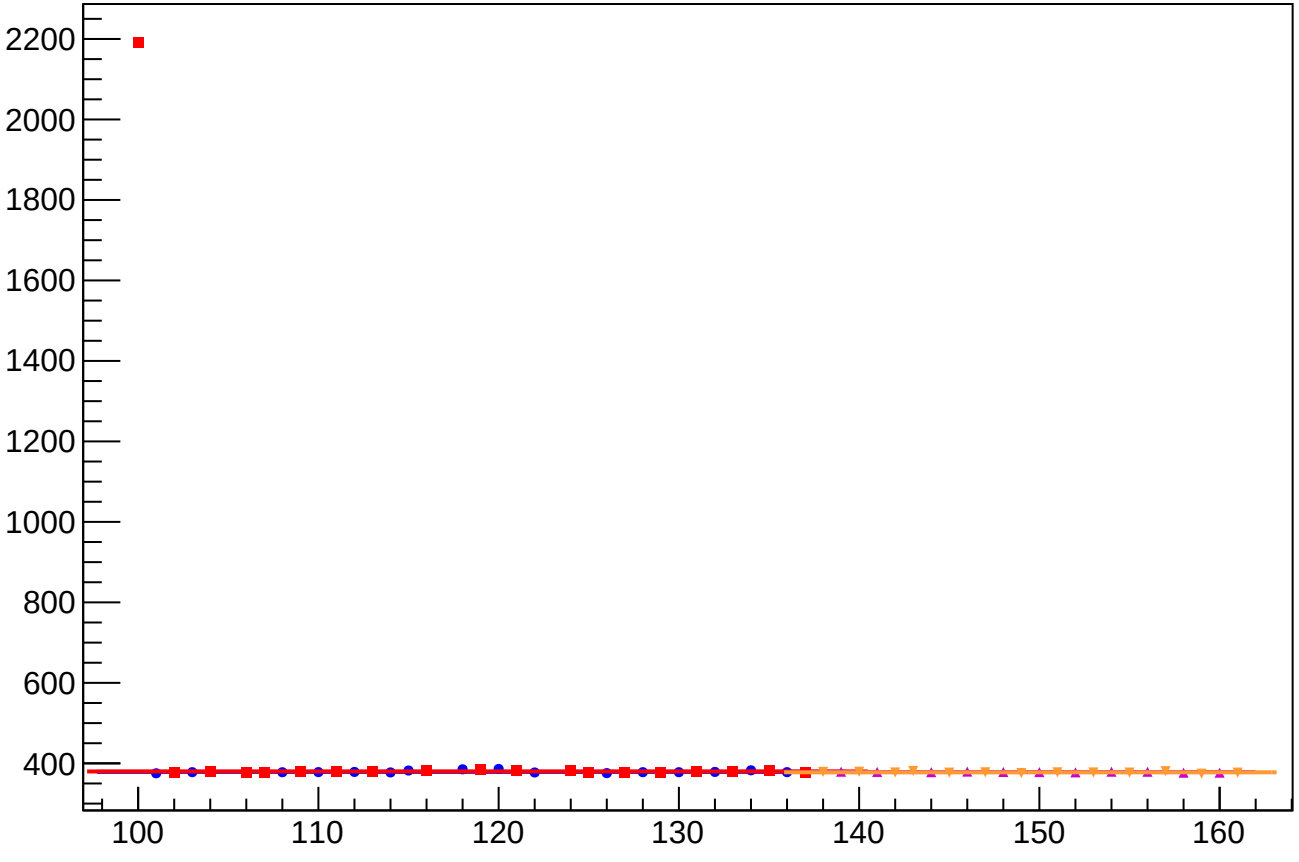
Left In: 213.523+/-122.392 χ^2/NDF:12.9/10

+ sign -24.311+/-90.095 χ^2/NDF: 20.9/28

All: 11.306+/-64.317 χ^2/NDF: 53.4/58

- sign 48.322+/-91.847 χ^2/NDF: 32.2/29

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.736+/-0.083 χ^2/NDF:454.4/12

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

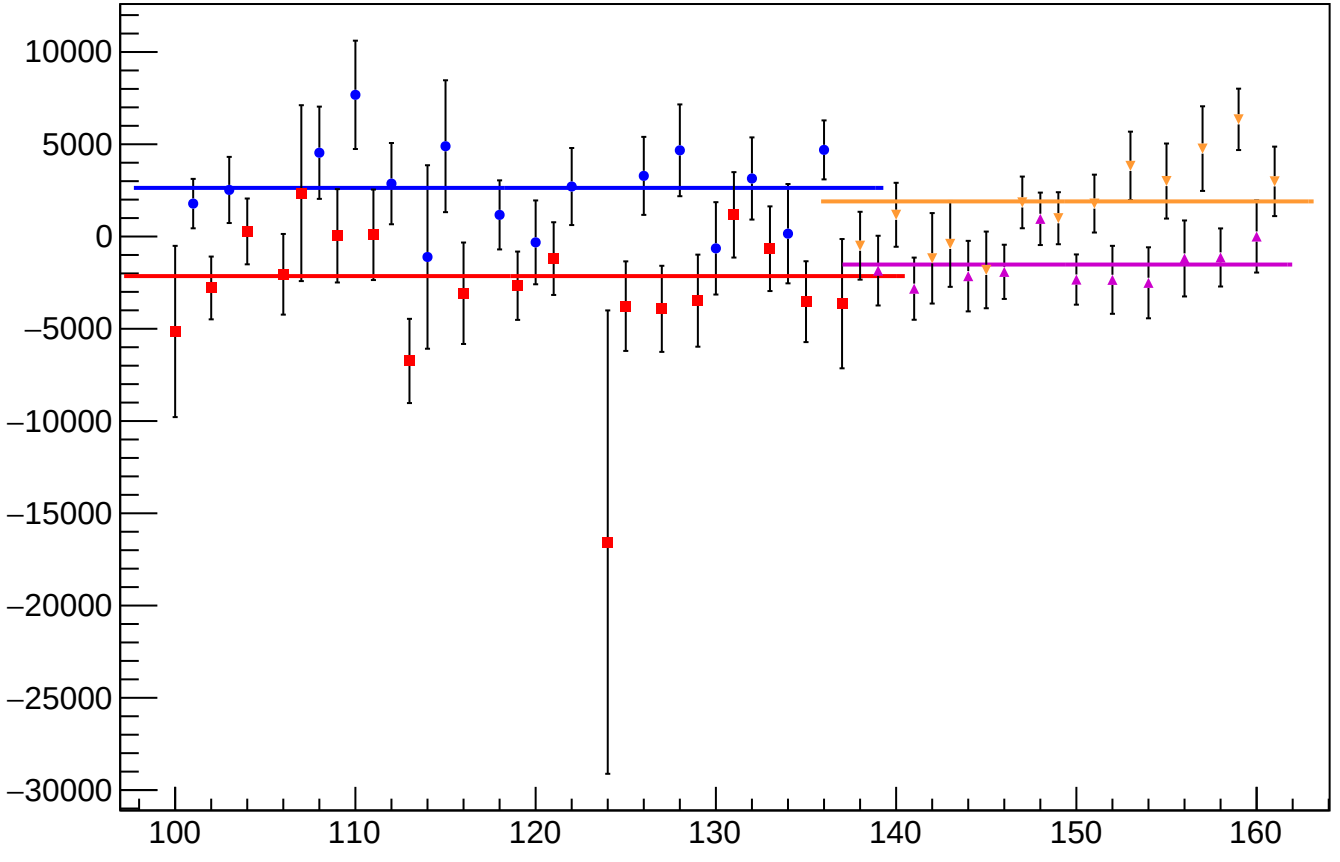
Left In: 378.401+/-0.087 χ^2/NDF:112.6/10

+ sign 378.217+/-0.064 χ^2/NDF: 1387.7/28

All: 378.624+/-0.045 χ^2/NDF: 101332.0/58

- sign 379.046+/-0.065 χ^2/NDF: 99861.3/29

asym_us_agg_avg_mean vs Slug



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

Left Out: 1902.839+/-500.217 χ^2/NDF:18.5/12

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

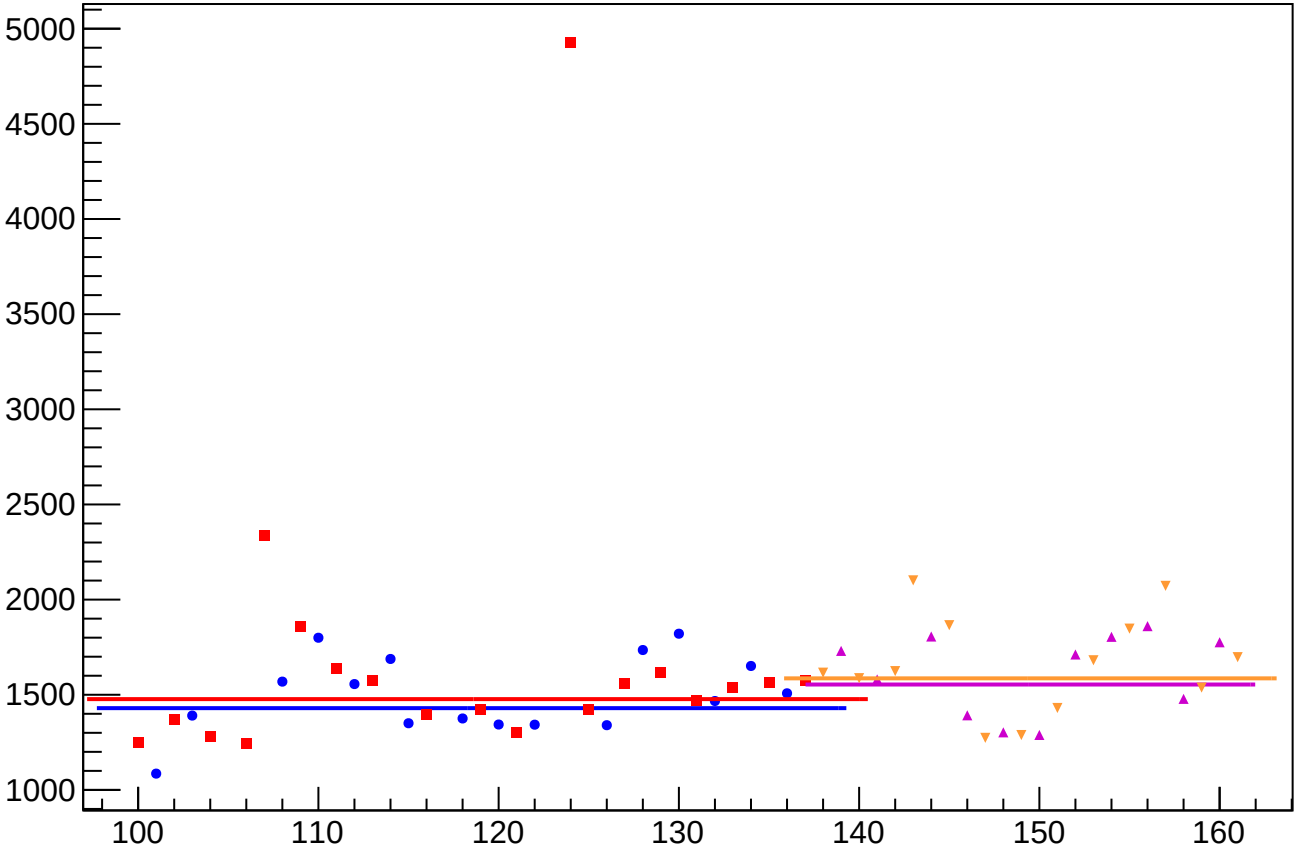
Left In: -1518.844+/-508.321 χ^2/NDF:5.4/10

+ sign 2242.471+/-366.347 χ^2/NDF: 31.7/28

All: 249.739+/-261.143 χ^2/NDF: 113.0/58

- sign -1808.824+/-372.350 χ^2/NDF: 21.1/29

asym_us_agg_avg_rms vs Slug



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

Left Out: 1586.200+/-0.354 χ^2/NDF:480514.9/12

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

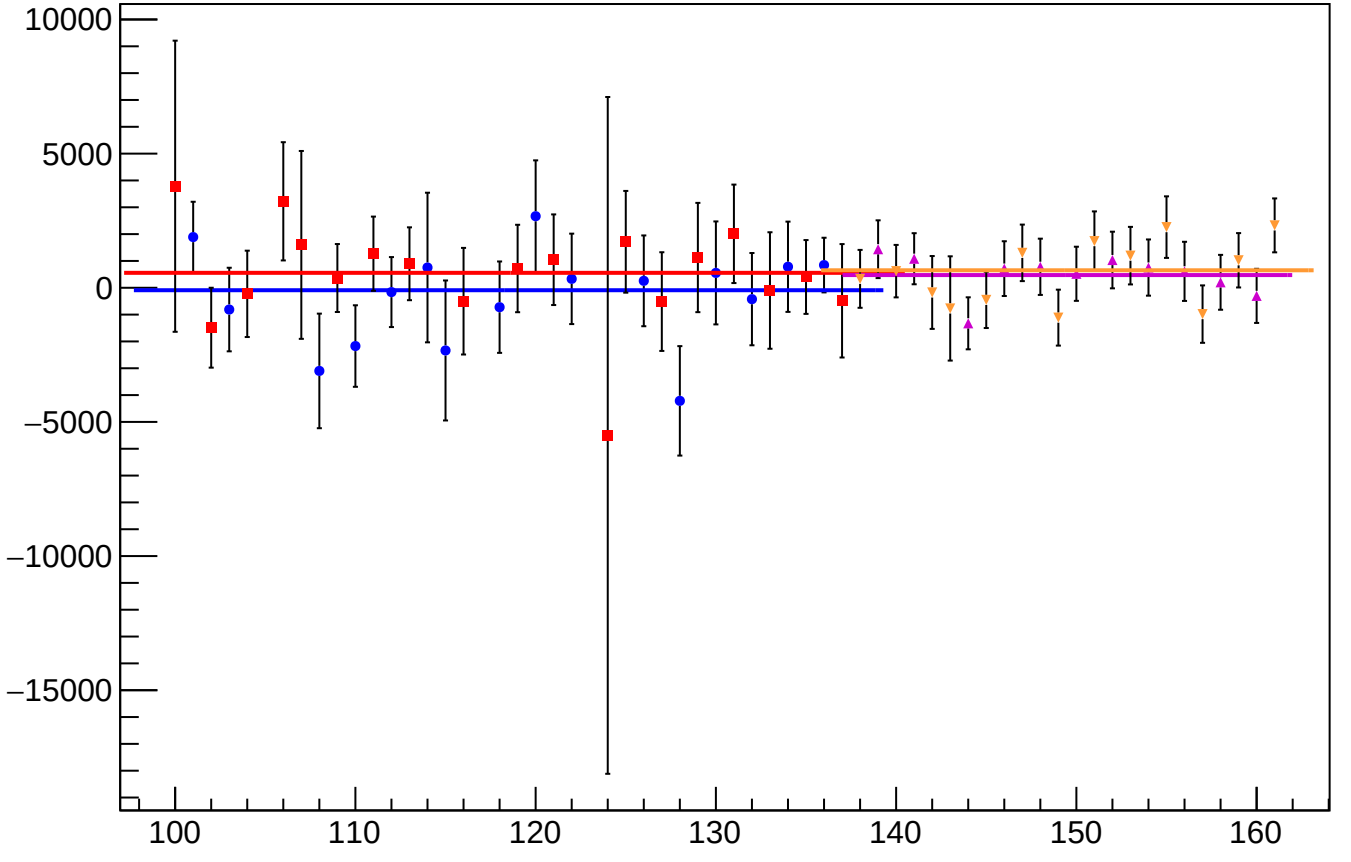
Left In: 1553.828+/-0.359 χ^2/NDF:338716.8/10

+ sign 1513.621+/-0.259 χ^2/NDF: 864719.2/28

All: 1515.913+/-0.185 χ^2/NDF: 1594129.0/58

- sign 1518.282+/-0.263 χ^2/NDF: 729250.7/29

asym_us_agg_dd_mean vs Slug



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

Left Out: 651.753+/-305.371 χ^2/NDF:13.8/12

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

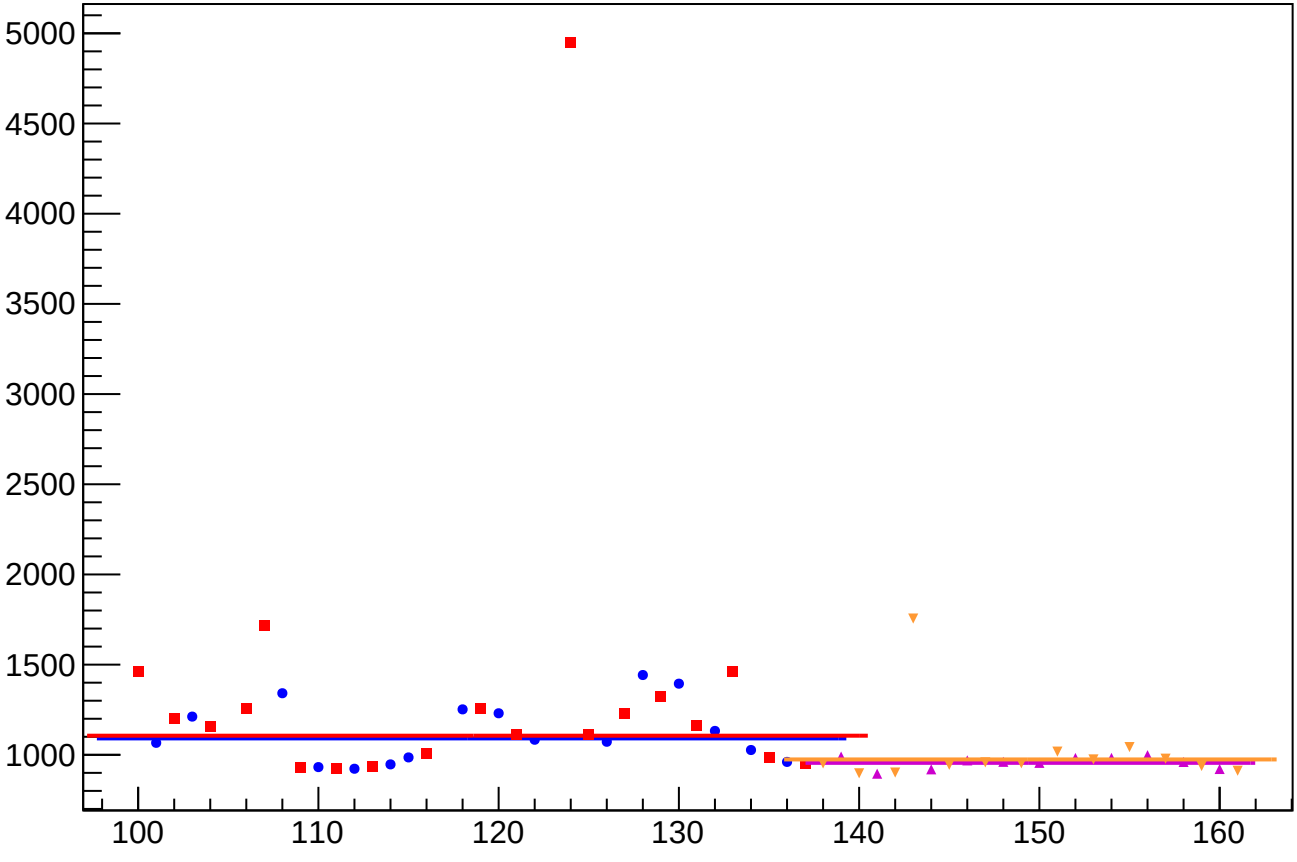
Left In: 473.537+/-309.299 χ^2/NDF:5.8/10

+ sign 386.590+/-244.897 χ^2/NDF: 30.4/28

All: 444.557+/-173.981 χ^2/NDF: 43.1/58

- sign 503.625+/-247.211 χ^2/NDF: 12.6/29

asym_us_agg_dd_rms vs Slug



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

Left Out: 974.440+/-0.216 χ^2/NDF:365591.9/12

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

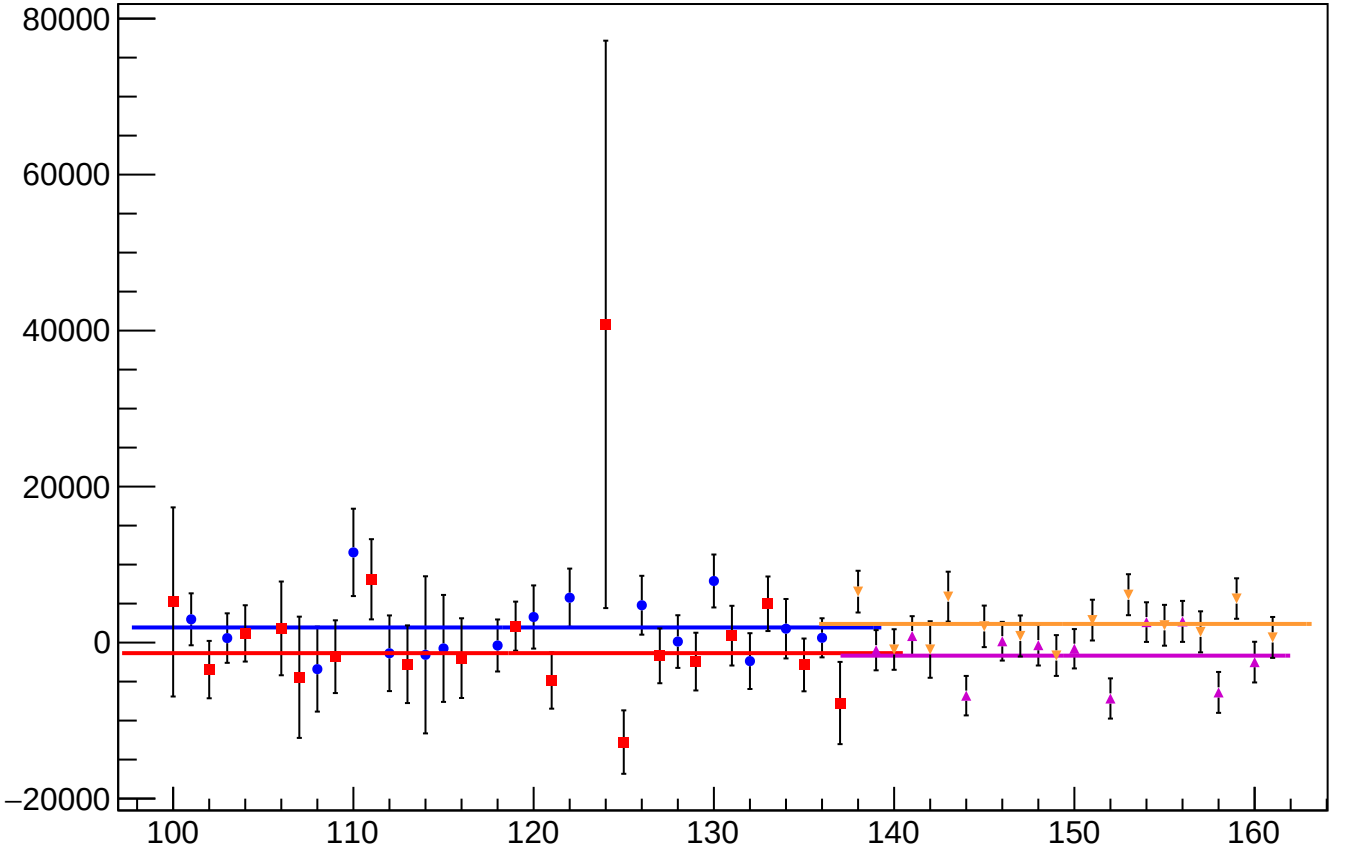
Left In: 955.539+/-0.219 χ^2/NDF:21229.1/10

+ sign 1016.050+/-0.173 χ^2/NDF: 746952.6/28

All: 1013.003+/-0.123 χ^2/NDF: 1453949.0/58

- sign 1009.899+/-0.175 χ^2/NDF: 706371.5/29

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2391.978+/-751.920 χ^2/NDF:13.0/12

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

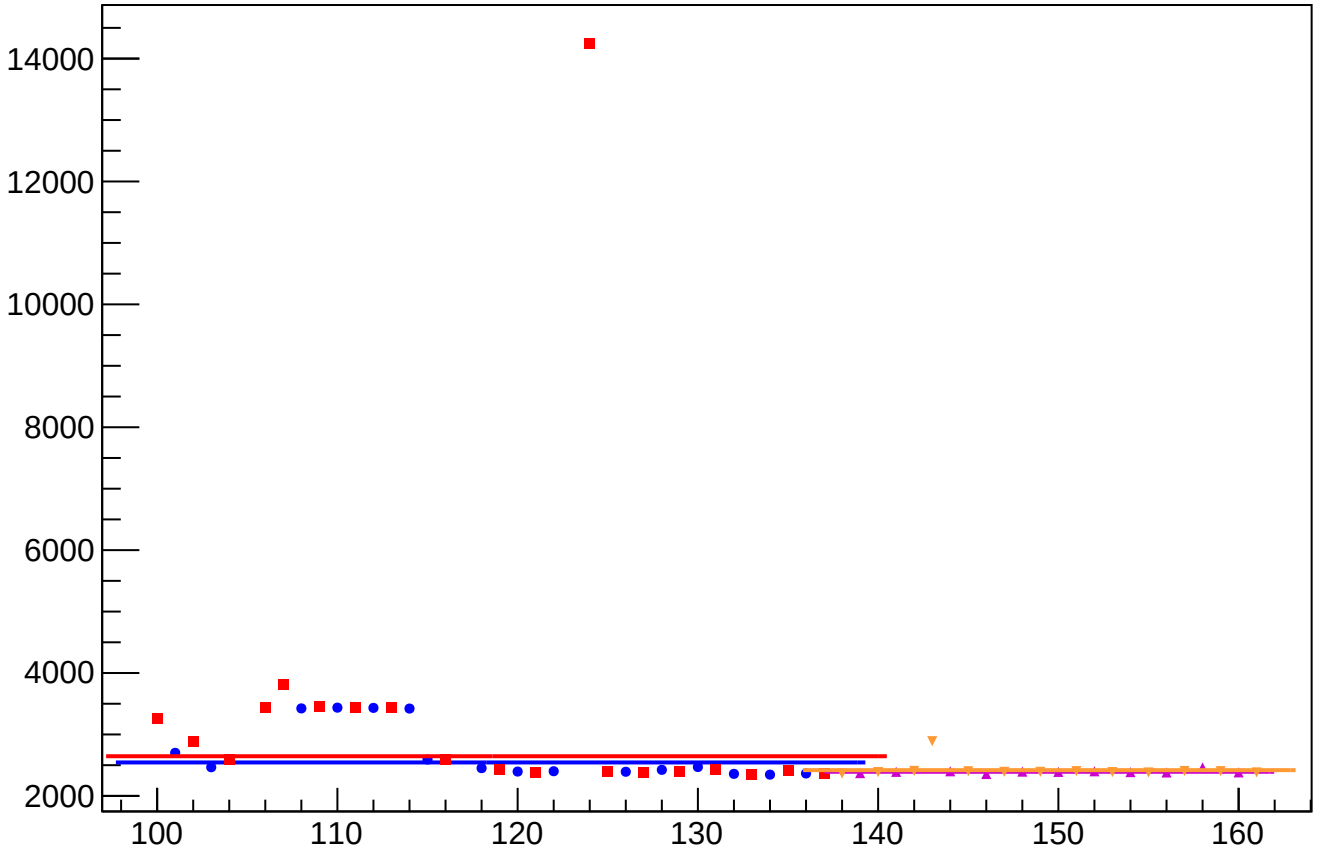
Left In: -1675.559+/-773.857 χ^2/NDF:19.6/10

+ sign 2218.329+/-590.194 χ^2/NDF: 25.4/28

All: 390.571+/-423.670 χ^2/NDF: 86.6/58

- sign -1552.633+/-608.548 χ^2/NDF: 41.5/29

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2419.028+/-0.532 χ^2/NDF:46403.8/12

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

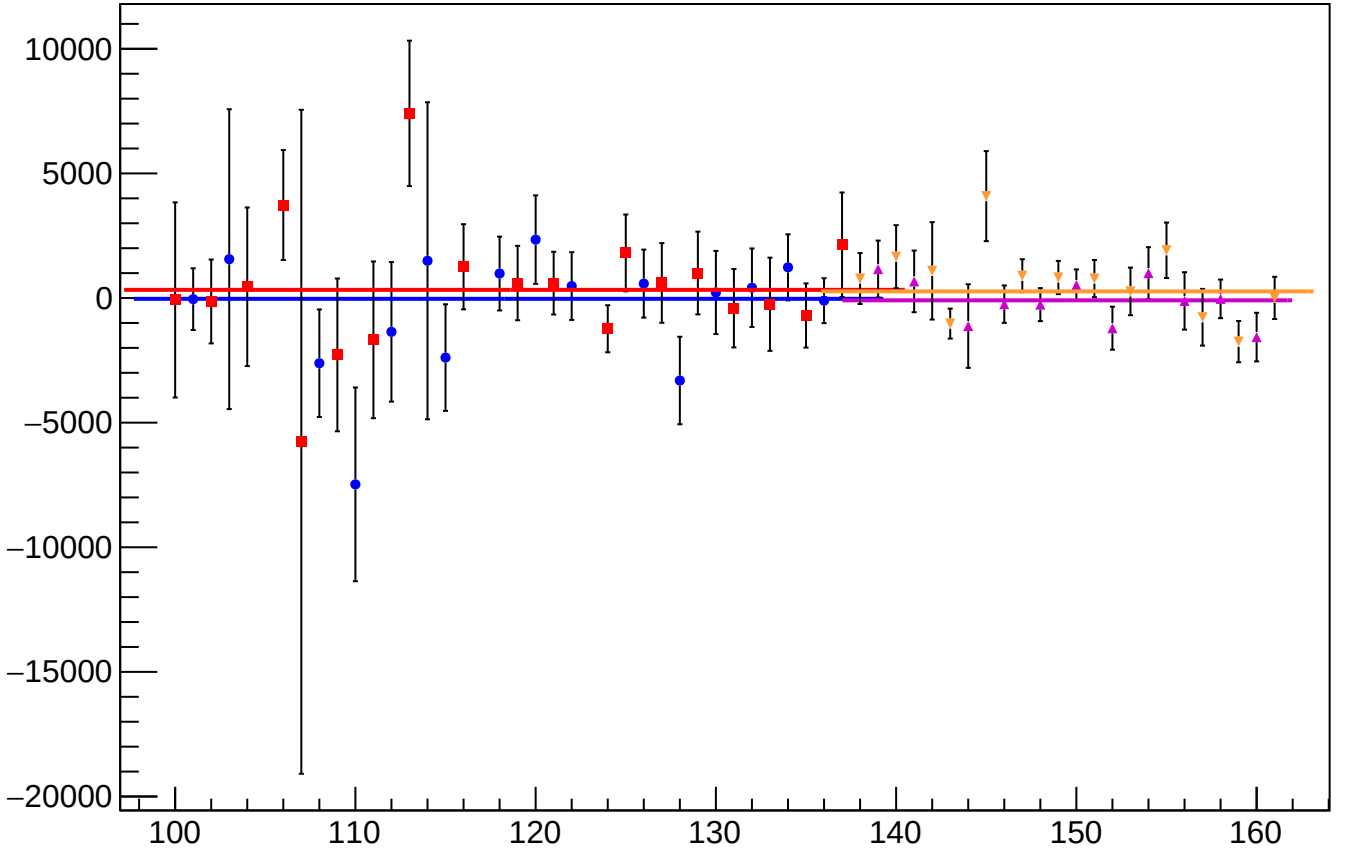
Left In: 2392.549+/-0.547 χ^2/NDF:2171.7/10

+ sign 2467.165+/-0.417 χ^2/NDF: 293369.0/28

All: 2477.812+/-0.300 χ^2/NDF: 915487.7/58

- sign 2489.132+/-0.430 χ^2/NDF: 620775.8/29

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 267.287+/-244.165 χ^2/NDF:21.9/12

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

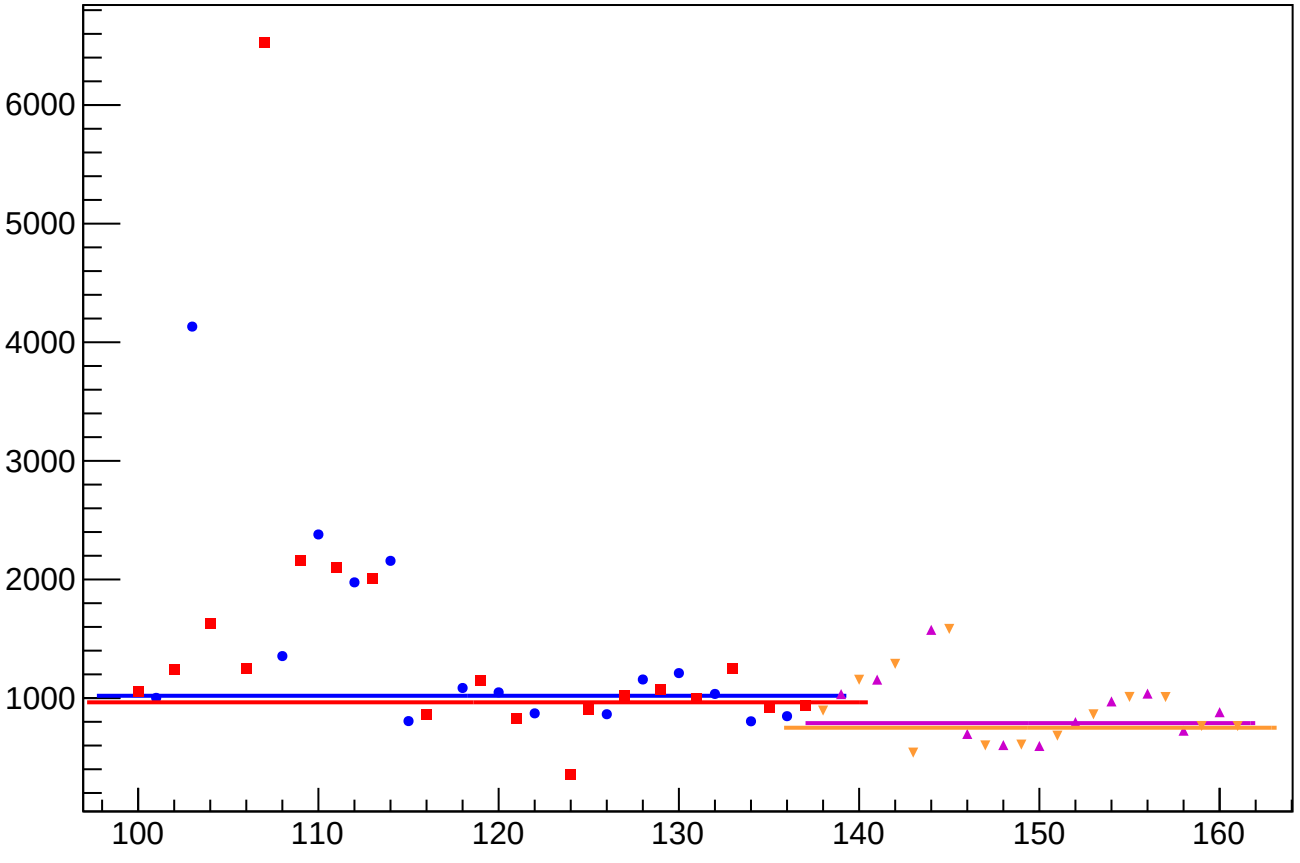
Left In: -92.185+/-266.434 χ^2/NDF:8.1/10

\+ sign 187.930+/-209.204 χ^2/NDF: 36.0/28

All: 117.117+/-152.091 χ^2/NDF: 60.8/58

\- sign 37.736+/-221.501 χ^2/NDF: 24.5/29

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 750.069+/-0.173 χ^2/NDF:1515490.7/12

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

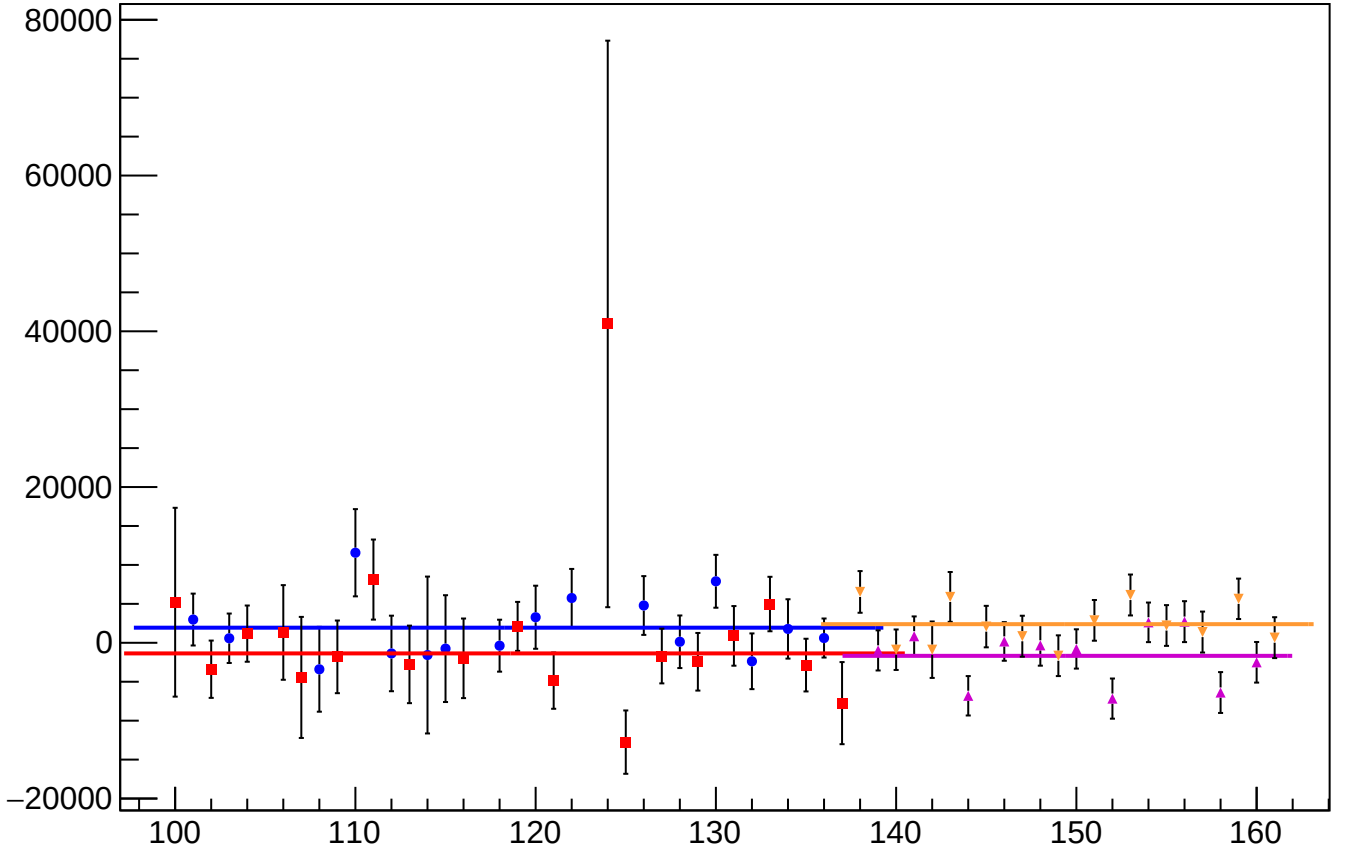
Left In: 788.975+/-0.188 χ^2/NDF:1266532.9/10

+ sign 821.709+/-0.148 χ^2/NDF: 3527834.1/28

All: 831.817+/-0.108 χ^2/NDF: 7381346.7/58

- sign 843.148+/-0.157 χ^2/NDF: 3843609.6/29

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2391.906+/-751.920 χ^2/NDF:13.0/12

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

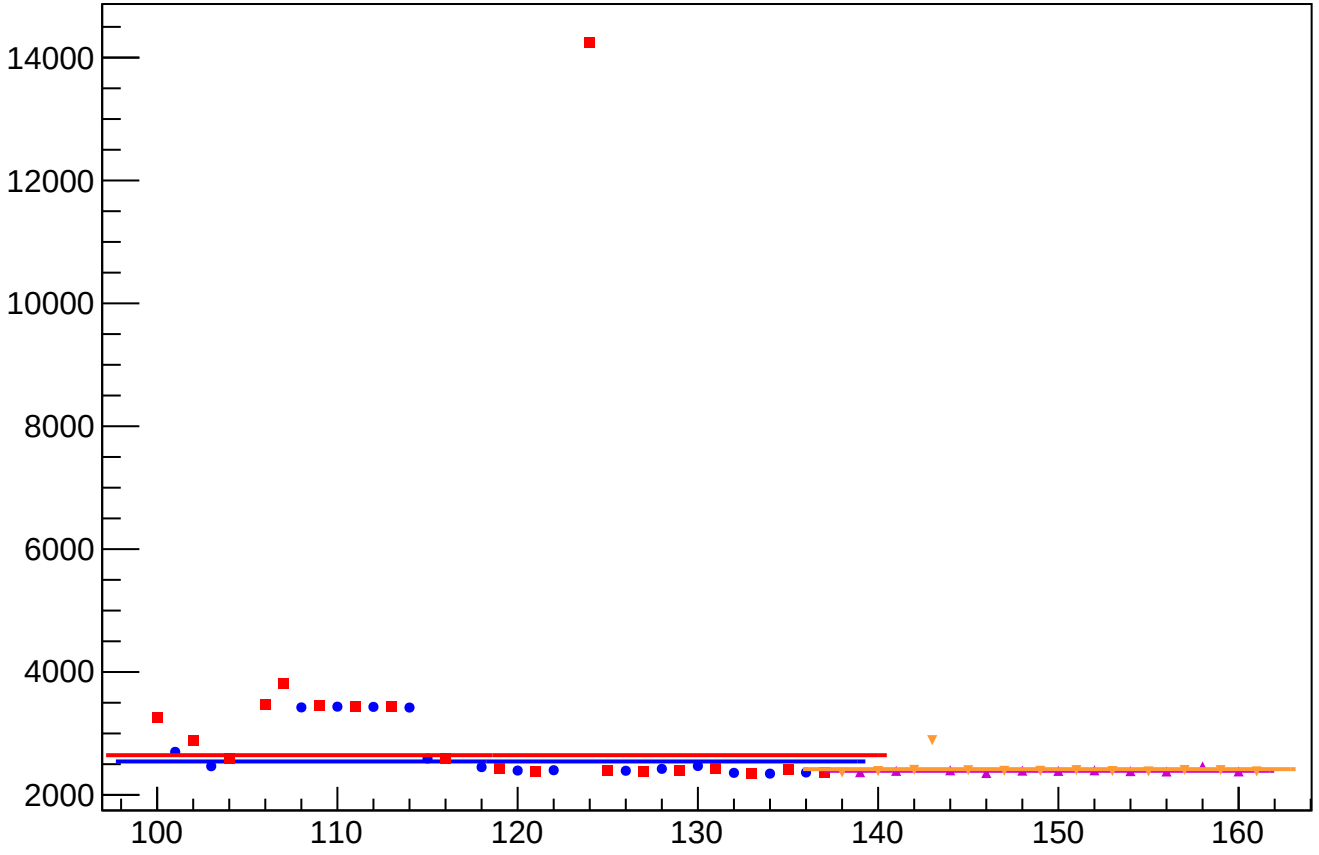
Left In: -1675.722+/-773.857 χ^2/NDF:19.6/10

+ sign 2218.418+/-590.194 χ^2/NDF: 25.4/28

All: 388.979+/-423.694 χ^2/NDF: 86.6/58

- sign -1556.466+/-608.619 χ^2/NDF: 41.4/29

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2419.028+/-0.532 χ^2/NDF:46403.8/12

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

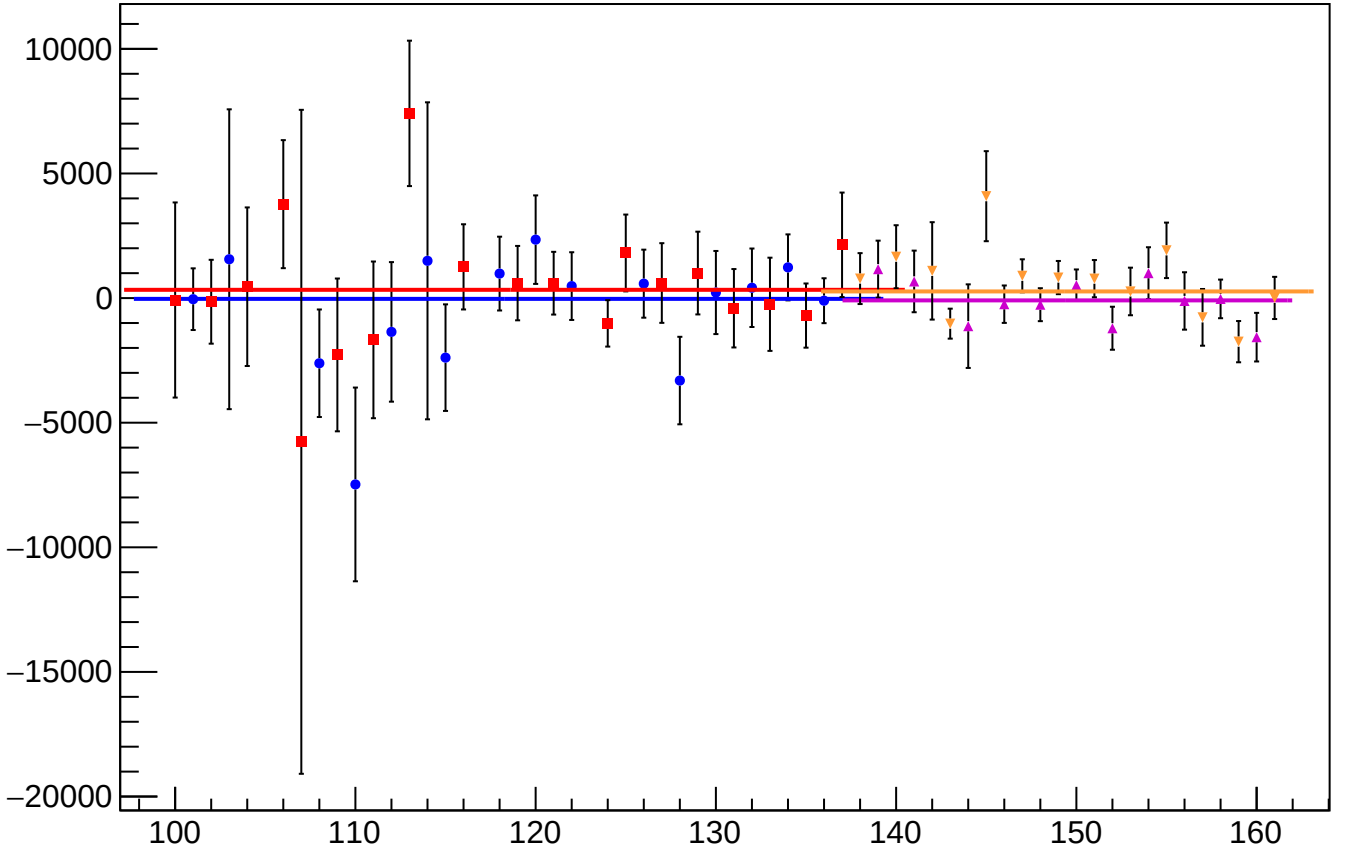
Left In: 2392.549+/-0.547 χ^2/NDF:2171.7/10

+ sign 2467.165+/-0.417 χ^2/NDF: 293369.0/28

All: 2477.896+/-0.300 χ^2/NDF: 918419.0/58

- sign 2489.307+/-0.430 χ^2/NDF: 623685.7/29

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 267.219+/-244.169 χ^2/NDF:21.9/12

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

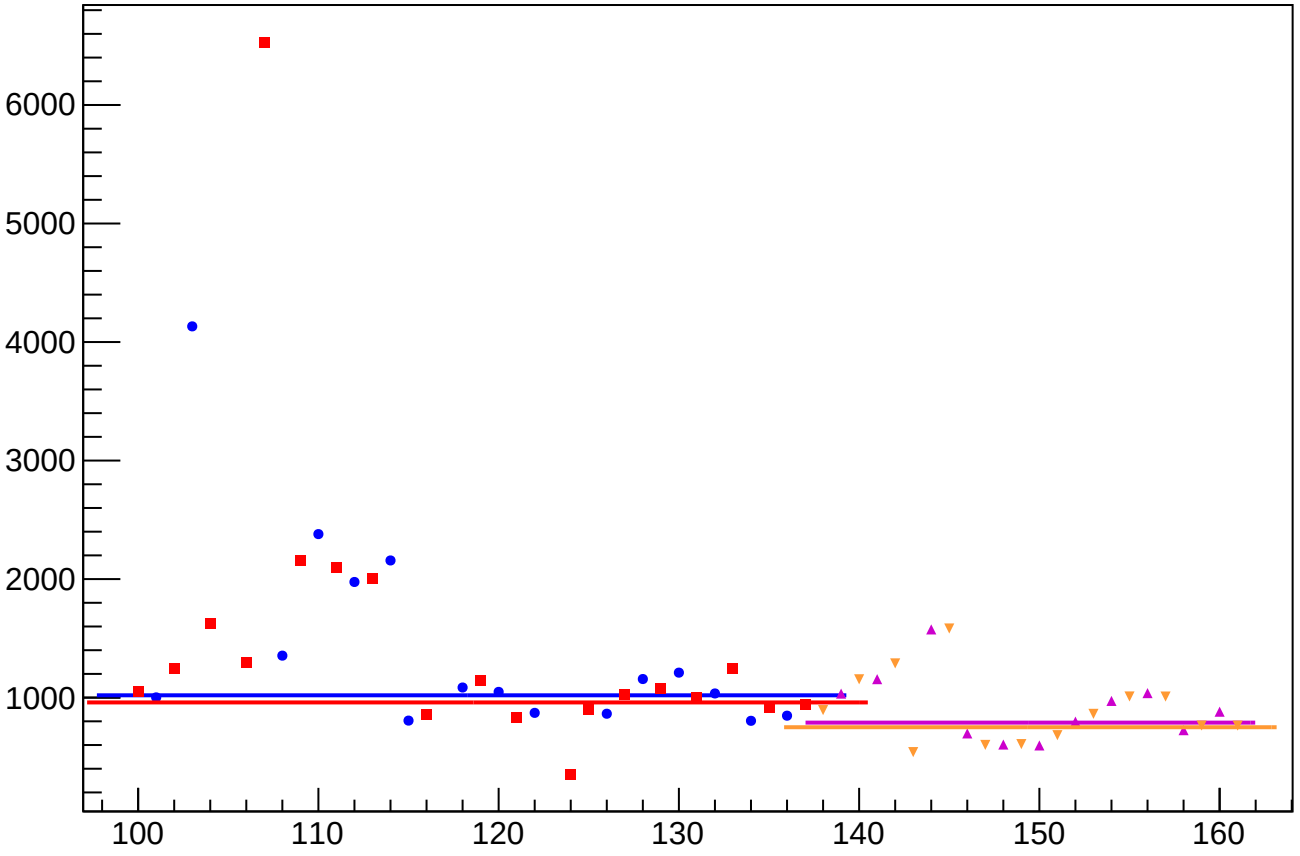
Left In: -92.259+/-266.433 χ^2/NDF:8.1/10

+ sign 187.861+/-209.206 χ^2/NDF: 36.0/28

All: 117.444+/-152.134 χ^2/NDF: 59.5/58

- sign 38.414+/-221.632 χ^2/NDF: 23.3/29

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 750.081+/-0.173 χ^2/NDF:1515474.7/12

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

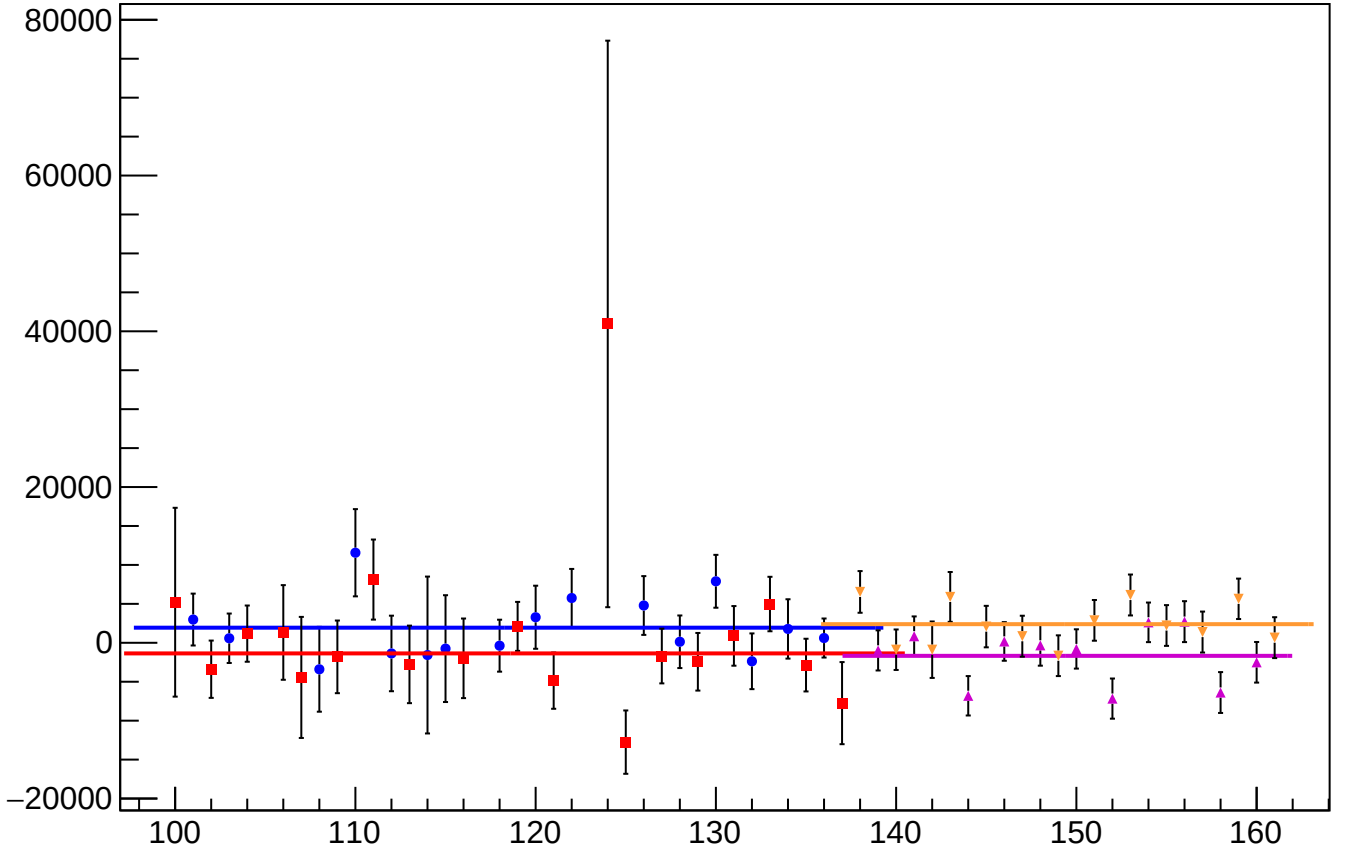
Left In: 788.973+/-0.188 χ^2/NDF:1266649.1/10

+ sign 821.718+/-0.148 χ^2/NDF: 3527713.3/28

All: 831.016+/-0.108 χ^2/NDF: 7399087.8/58

- sign 841.452+/-0.157 χ^2/NDF: 3862989.7/29

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2391.906+/-751.920 χ^2/NDF:13.0/12

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

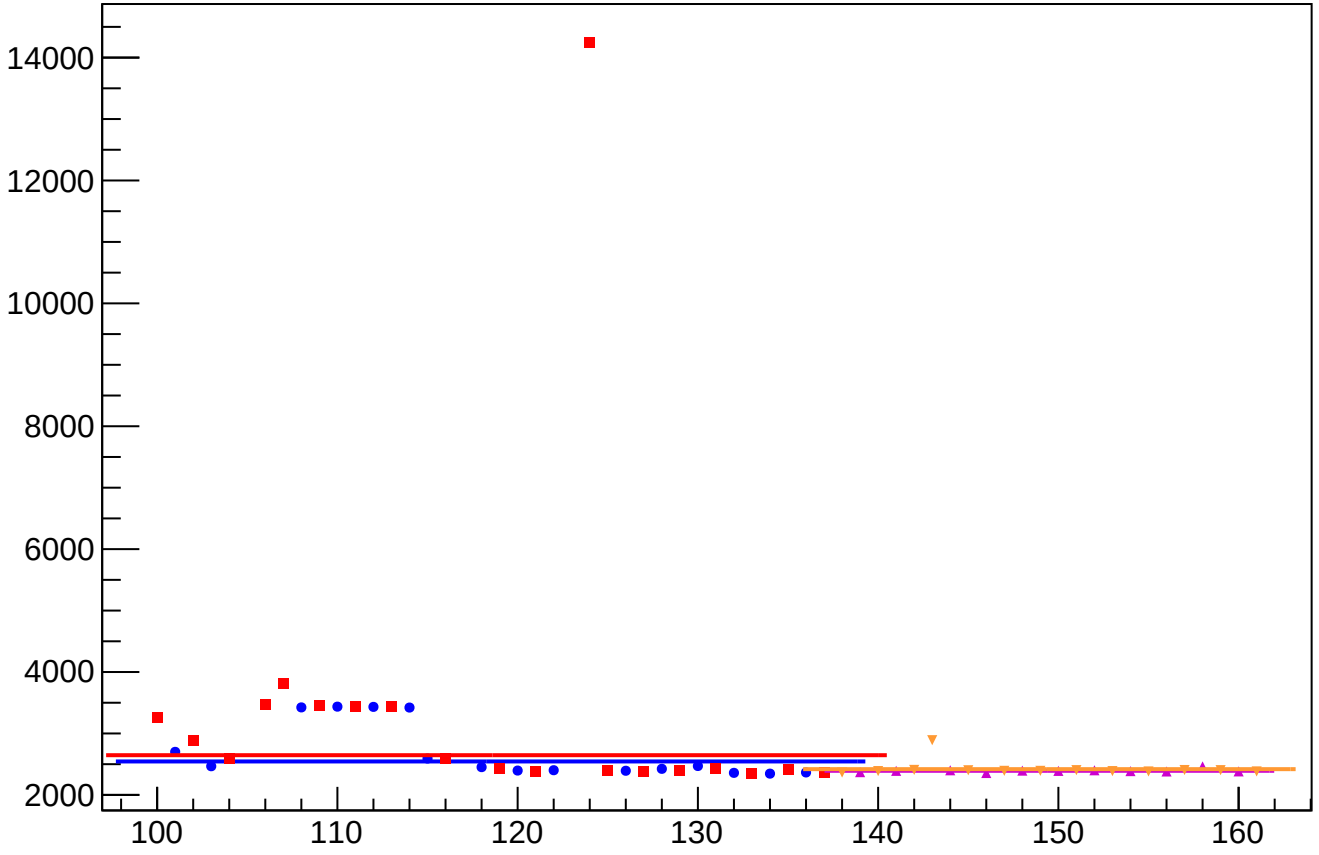
Left In: -1675.722+/-773.857 χ^2/NDF:19.6/10

+ sign 2218.418+/-590.194 χ^2/NDF: 25.4/28

All: 388.979+/-423.694 χ^2/NDF: 86.6/58

- sign -1556.466+/-608.619 χ^2/NDF: 41.4/29

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2419.028+/-0.532 χ^2/NDF:46403.8/12

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

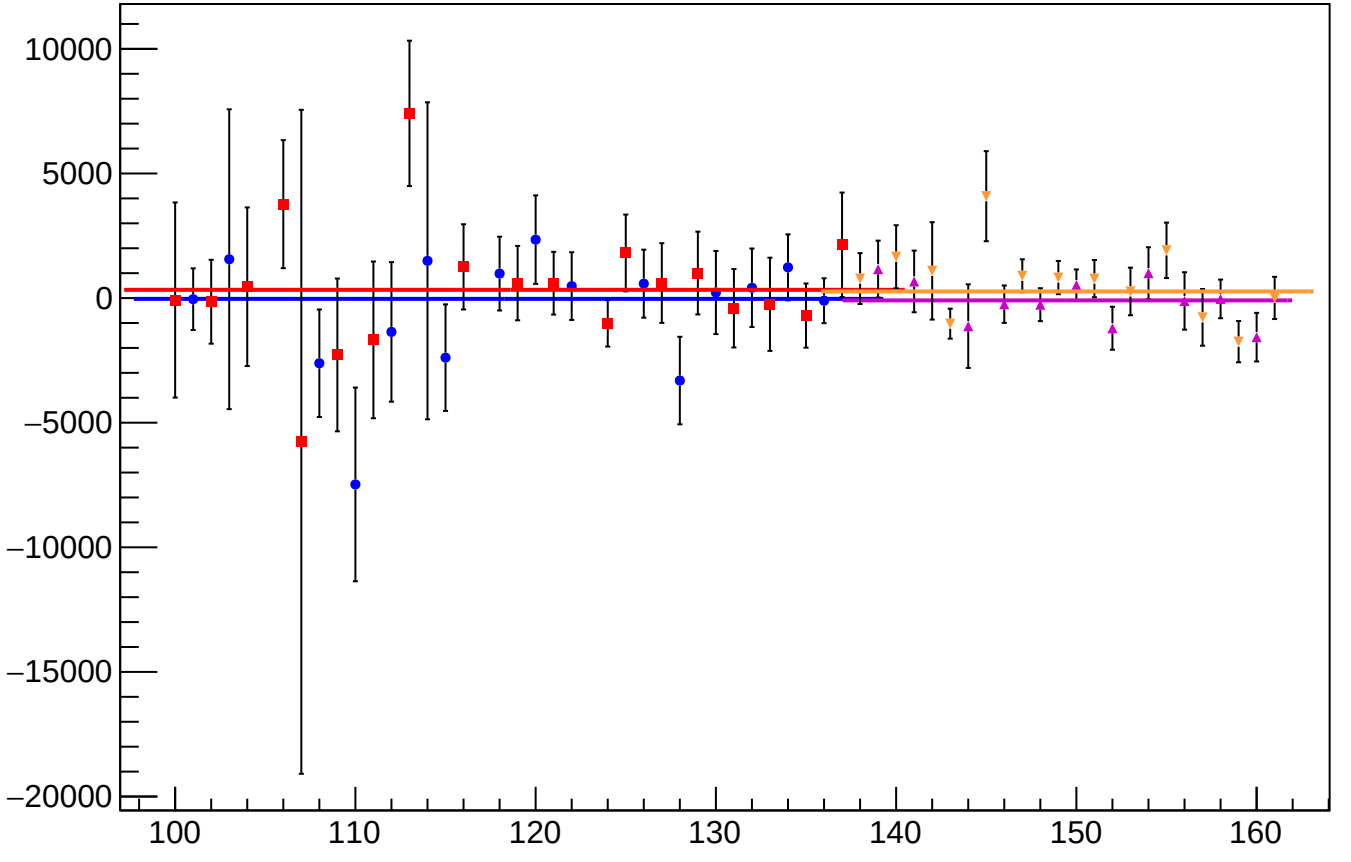
Left In: 2392.549+/-0.547 χ^2/NDF:2171.7/10

+ sign 2467.165+/-0.417 χ^2/NDF: 293369.0/28

All: 2477.896+/-0.300 χ^2/NDF: 918419.0/58

- sign 2489.307+/-0.430 χ^2/NDF: 623685.7/29

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 267.219+/-244.169 χ^2/NDF:21.9/12

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

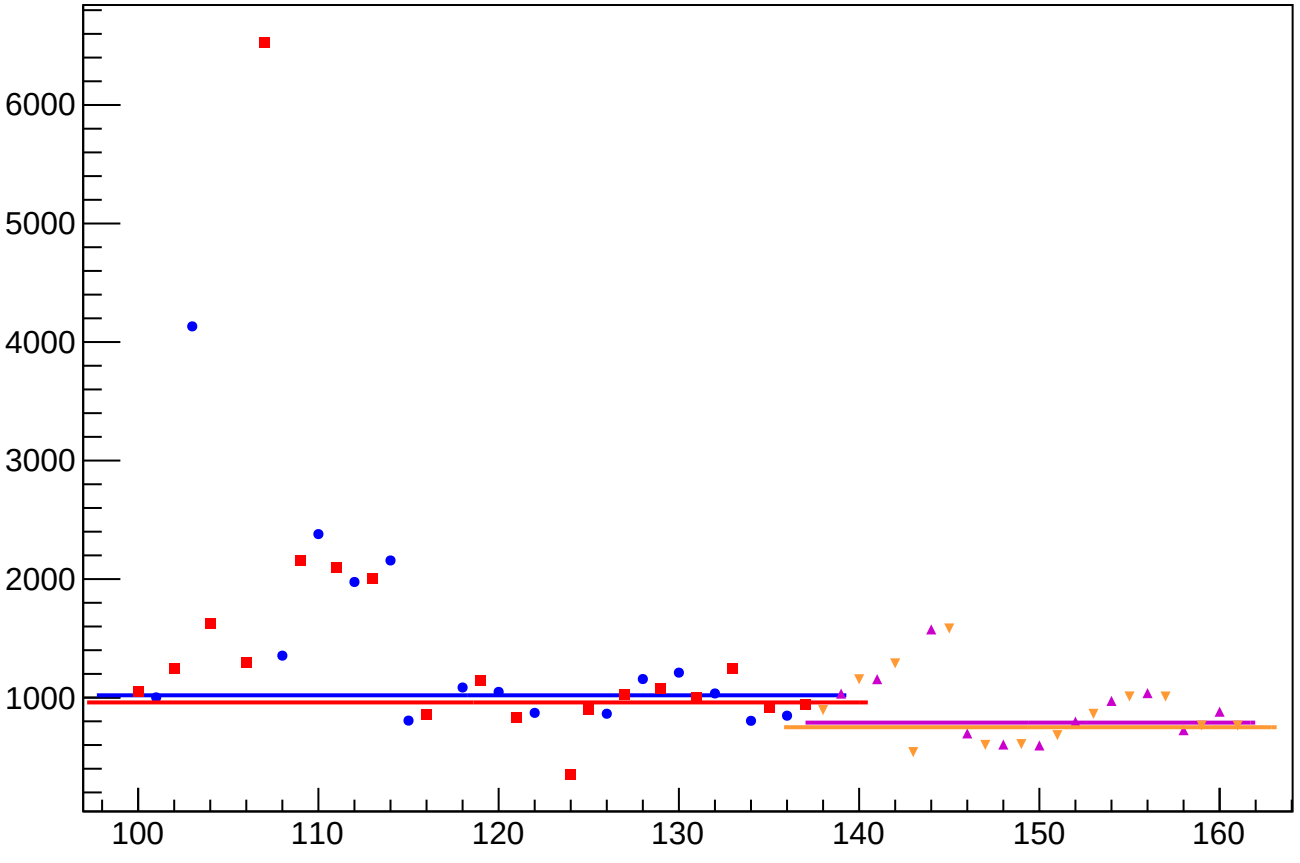
Left In: -92.259+/-266.433 χ^2/NDF:8.1/10

+ sign 187.861+/-209.206 χ^2/NDF: 36.0/28

All: 117.444+/-152.134 χ^2/NDF: 59.5/58

- sign 38.414+/-221.632 χ^2/NDF: 23.3/29

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

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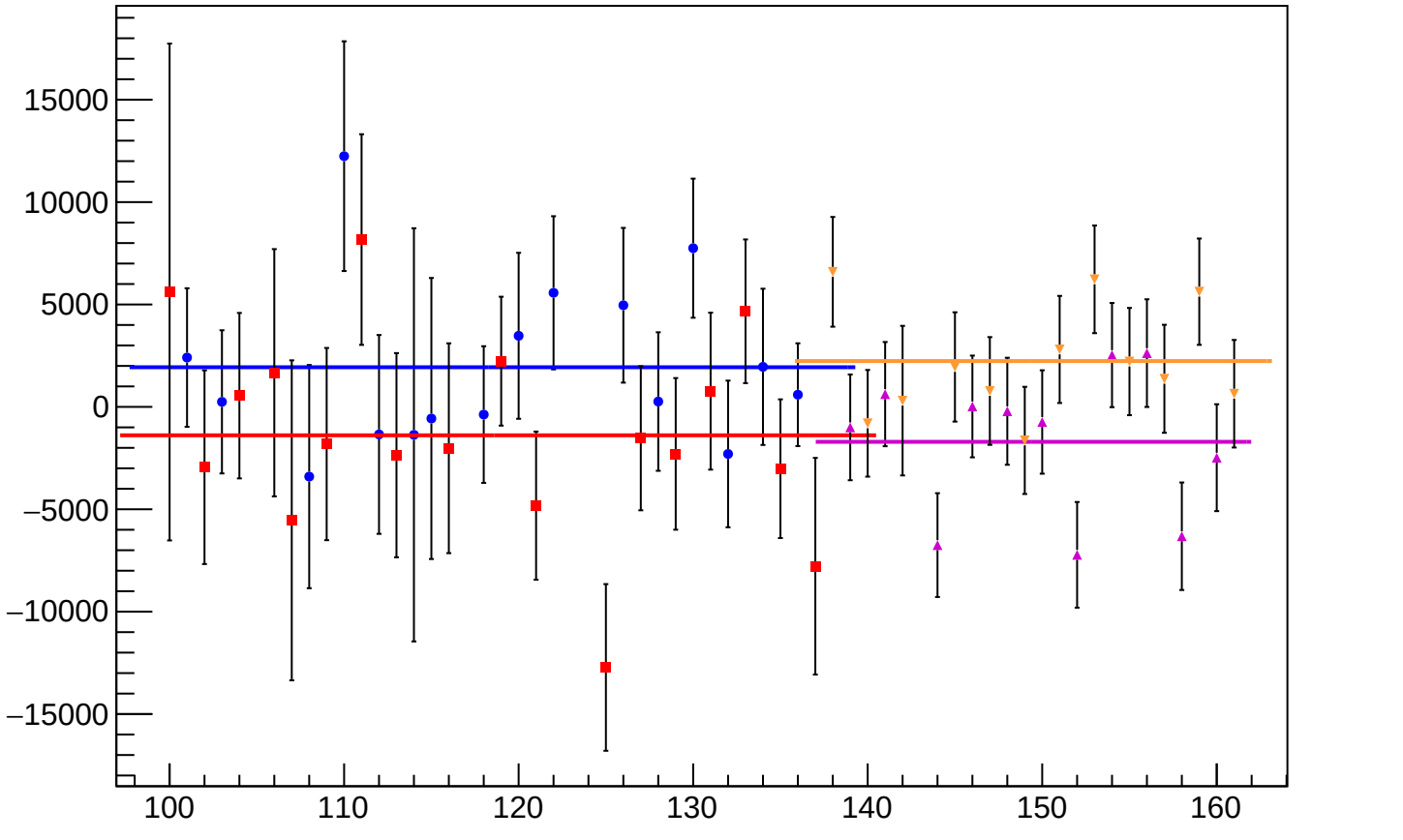
Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 788.973+/-0.188 χ^2/NDF:1266649.1/10

\+ sign 821.718+/-0.148 χ^2/NDF: 3527713.3/28

All: 831.016+/-0.108 χ^2/NDF: 7399087.8/58

\- sign 841.452+/-0.157 χ^2/NDF: 3862989.7/29



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2238.222+/-774.626 χ^2/NDF:11.3/11

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

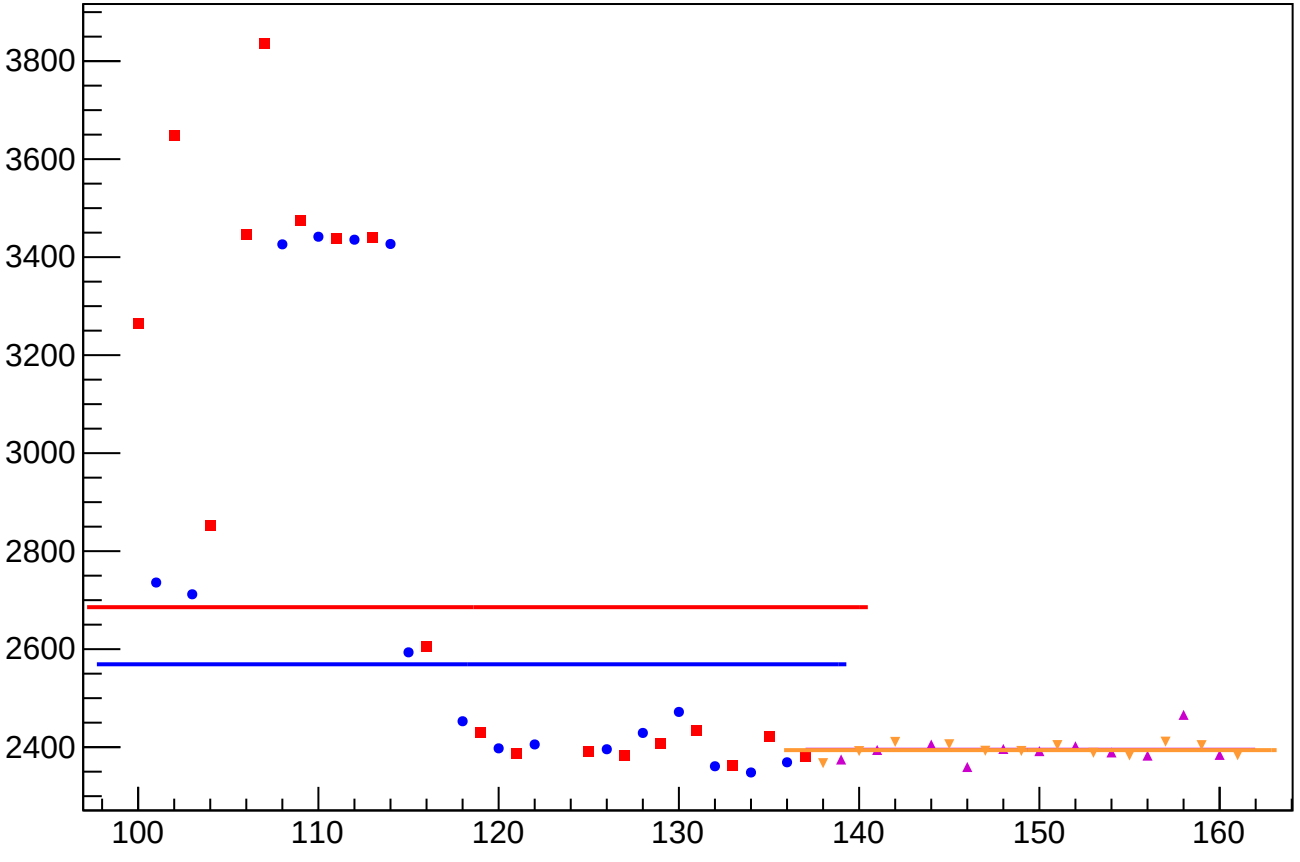
Left In: -1705.988+/-774.574 χ^2/NDF:19.1/10

+ sign 2119.389+/-603.420 χ^2/NDF: 23.7/27

All: 299.257+/-430.524 χ^2/NDF: 81.2/56

- sign -1587.927+/-614.434 χ^2/NDF: 38.9/28

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2393.969+/-0.548 χ^2/NDF:504.3/11

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

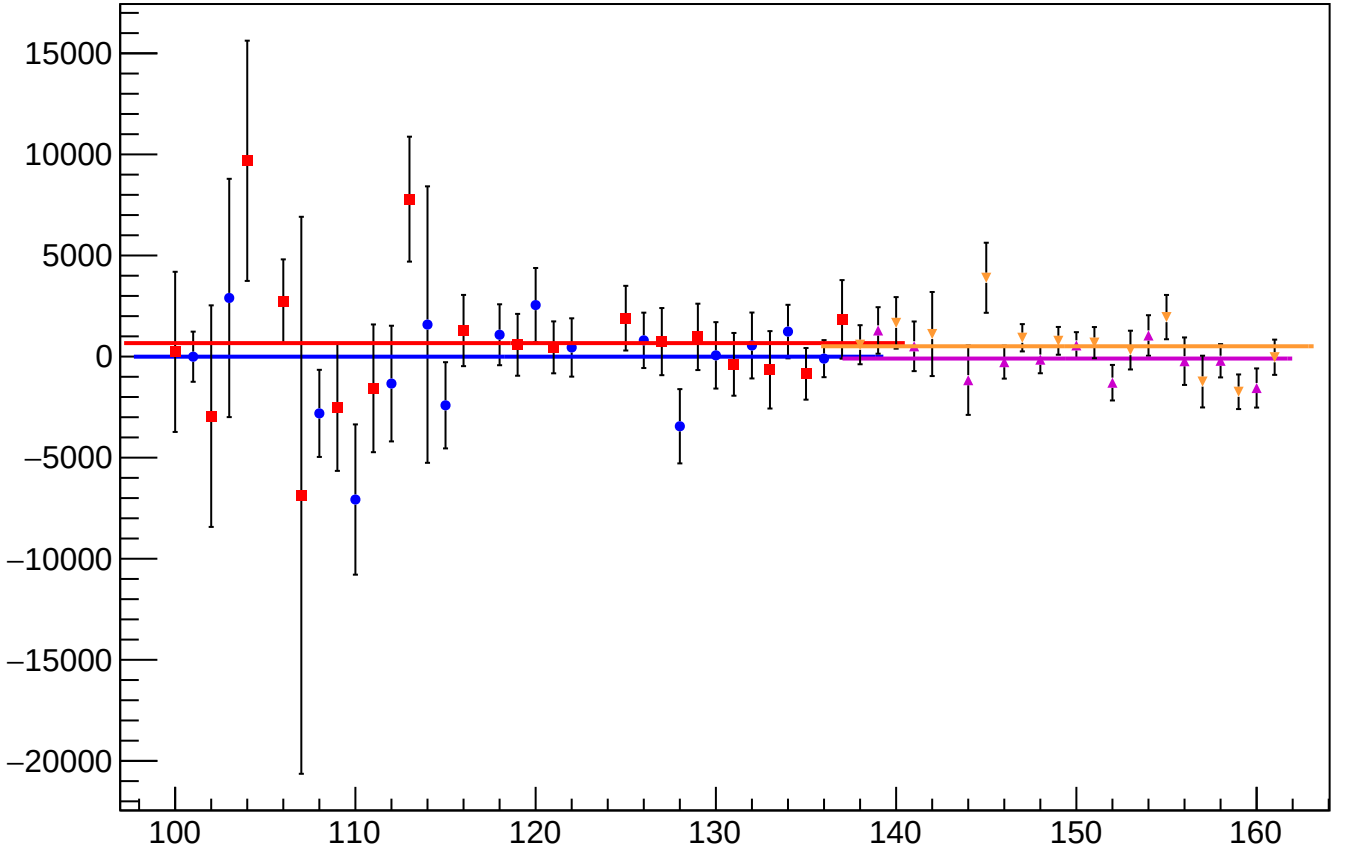
Left In: 2394.750+/-0.548 χ^2/NDF:2127.3/10

+ sign 2462.840+/-0.427 χ^2/NDF: 270200.6/27

All: 2482.365+/-0.304 χ^2/NDF: 800460.9/56

- sign 2502.609+/-0.434 χ^2/NDF: 525995.1/28

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 509.707+/-272.602 χ^2/NDF:16.3/11

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

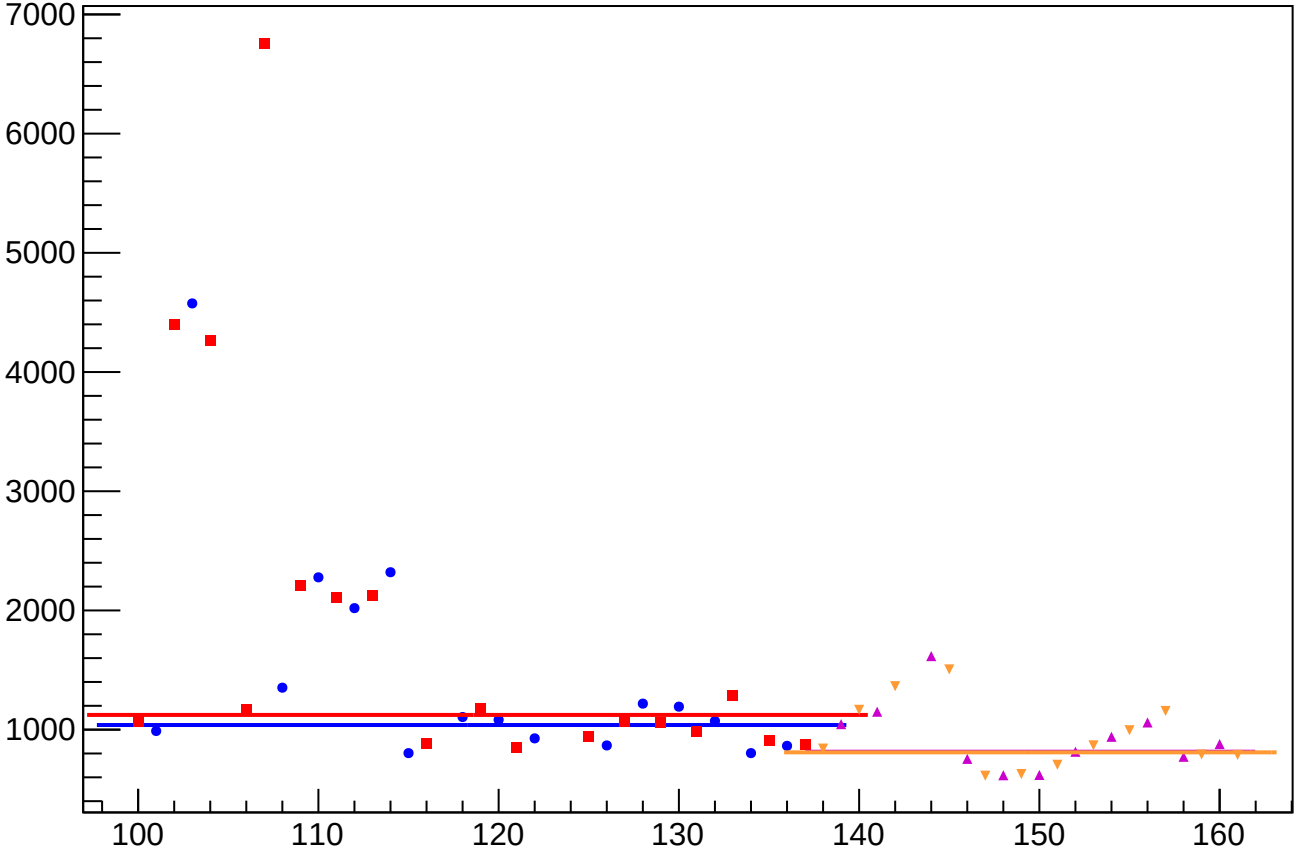
Left In: -97.967+/-273.701 χ^2/NDF:8.6/10

+ sign 353.065+/-227.384 χ^2/NDF: 31.9/27

All: 231.547+/-163.506 χ^2/NDF: 57.4/56

- sign 101.441+/-235.282 χ^2/NDF: 25.0/28

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 809.505+/-0.193 χ^2/NDF:1182937.3/11

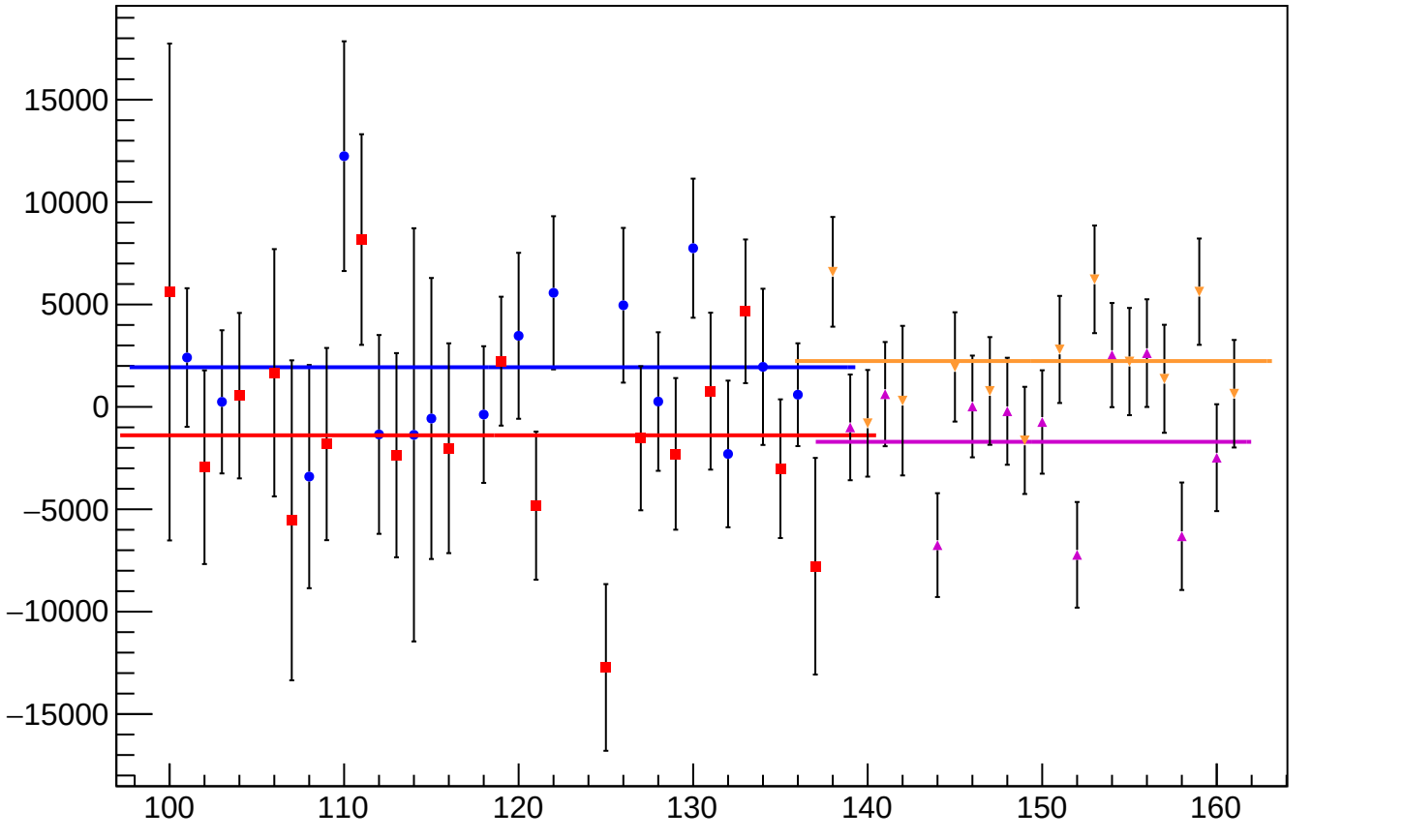
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 814.860+/-0.194 χ^2/NDF:1158782.2/10

+ sign 879.265+/-0.161 χ^2/NDF: 3153173.4/27

All: 887.066+/-0.116 χ^2/NDF: 7516092.1/56

- sign 895.418+/-0.166 χ^2/NDF: 4358044.2/28



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2238.223+/-774.626 χ^2/NDF:11.3/11

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

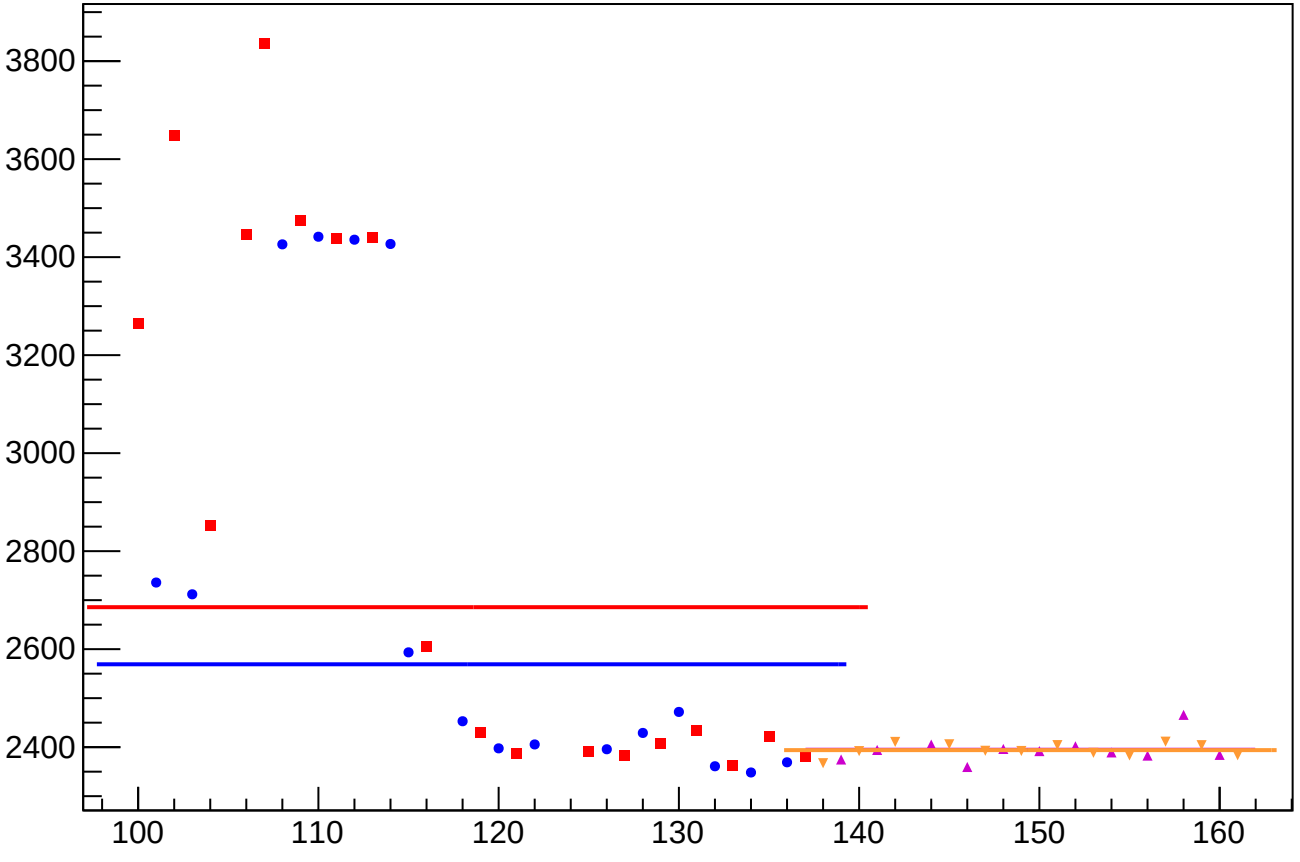
Left In: -1705.988+/-774.574 χ^2/NDF:19.1/10

+ sign 2119.388+/-603.420 χ^2/NDF: 23.7/27

All: 299.257+/-430.524 χ^2/NDF: 81.2/56

- sign -1587.926+/-614.434 χ^2/NDF: 38.9/28

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2393.969+/-0.548 χ^2/NDF:504.3/11

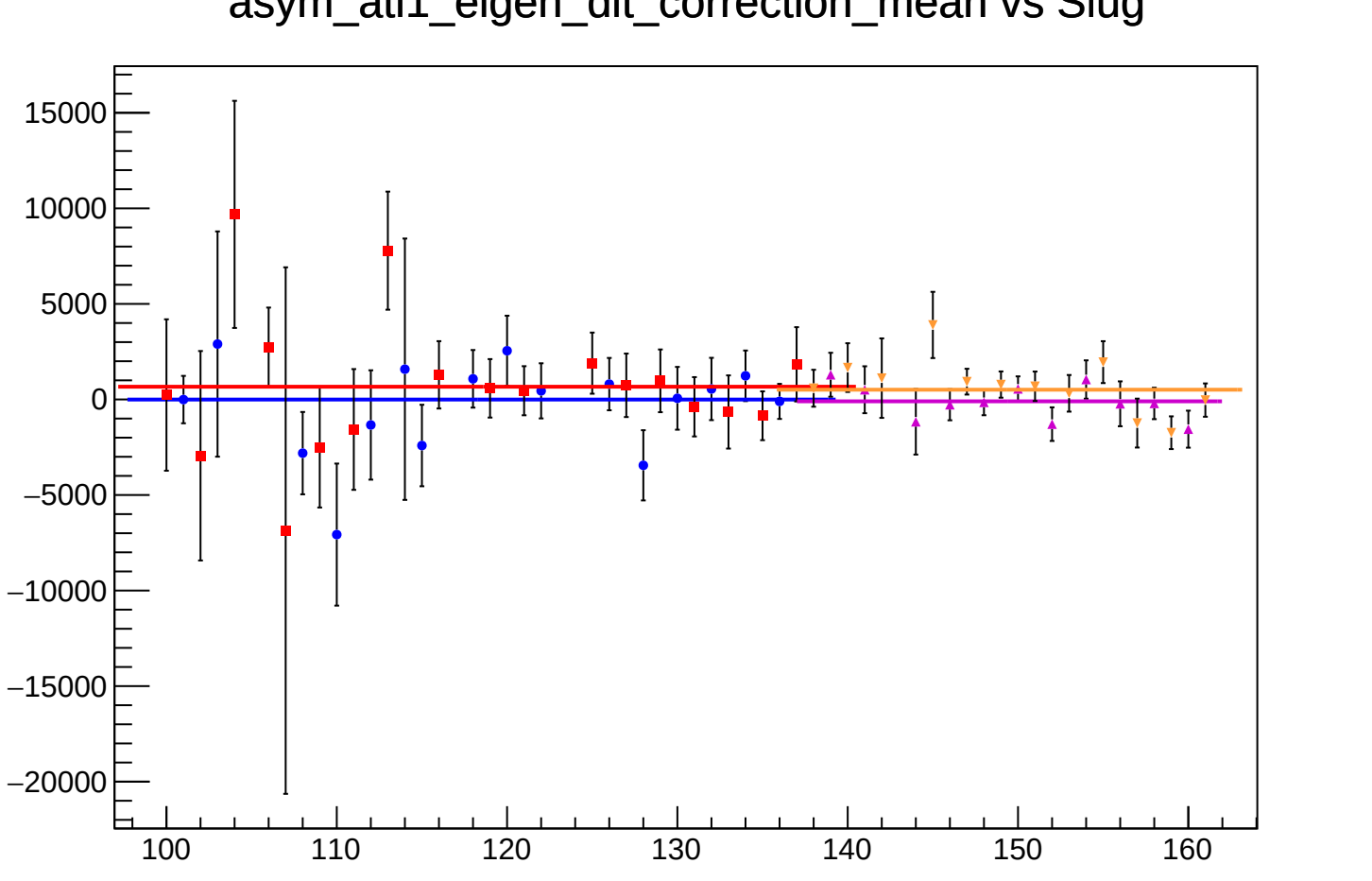
Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2394.750+/-0.548 χ^2/NDF:2127.3/10

+ sign 2462.839+/-0.427 χ^2/NDF: 270200.2/27

All: 2482.365+/-0.304 χ^2/NDF: 800459.6/56

- sign 2502.609+/-0.434 χ^2/NDF: 525994.2/28



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 509.707+/-272.602 χ^2/NDF:16.3/11

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

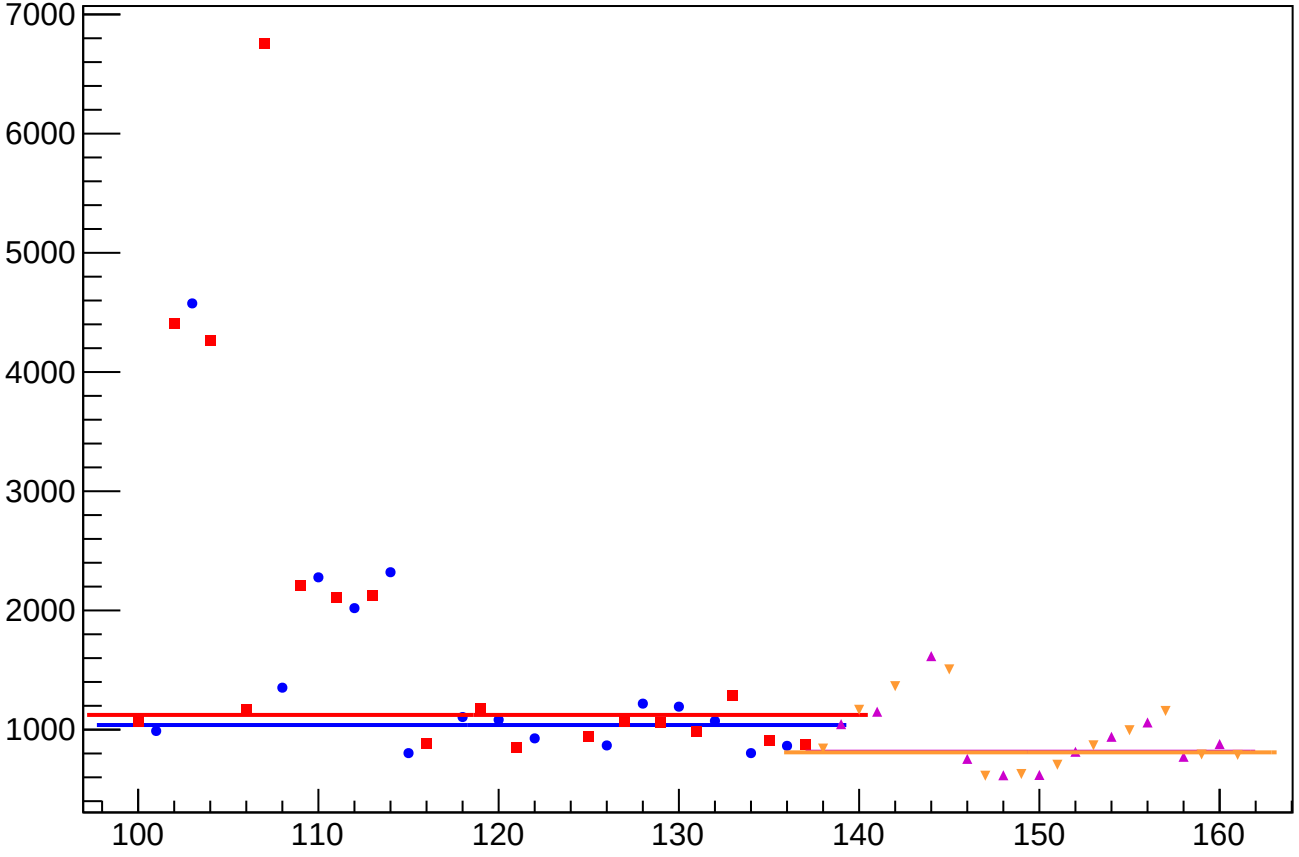
Left In: -97.968+/-273.702 χ^2/NDF:8.6/10

\+ sign 353.064+/-227.385 χ^2/NDF: 31.9/27

All: 231.547+/-163.506 χ^2/NDF: 57.4/56

\- sign 101.441+/-235.283 χ^2/NDF: 25.0/28

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 809.506+/-0.193 χ^2/NDF:1182934.9/11

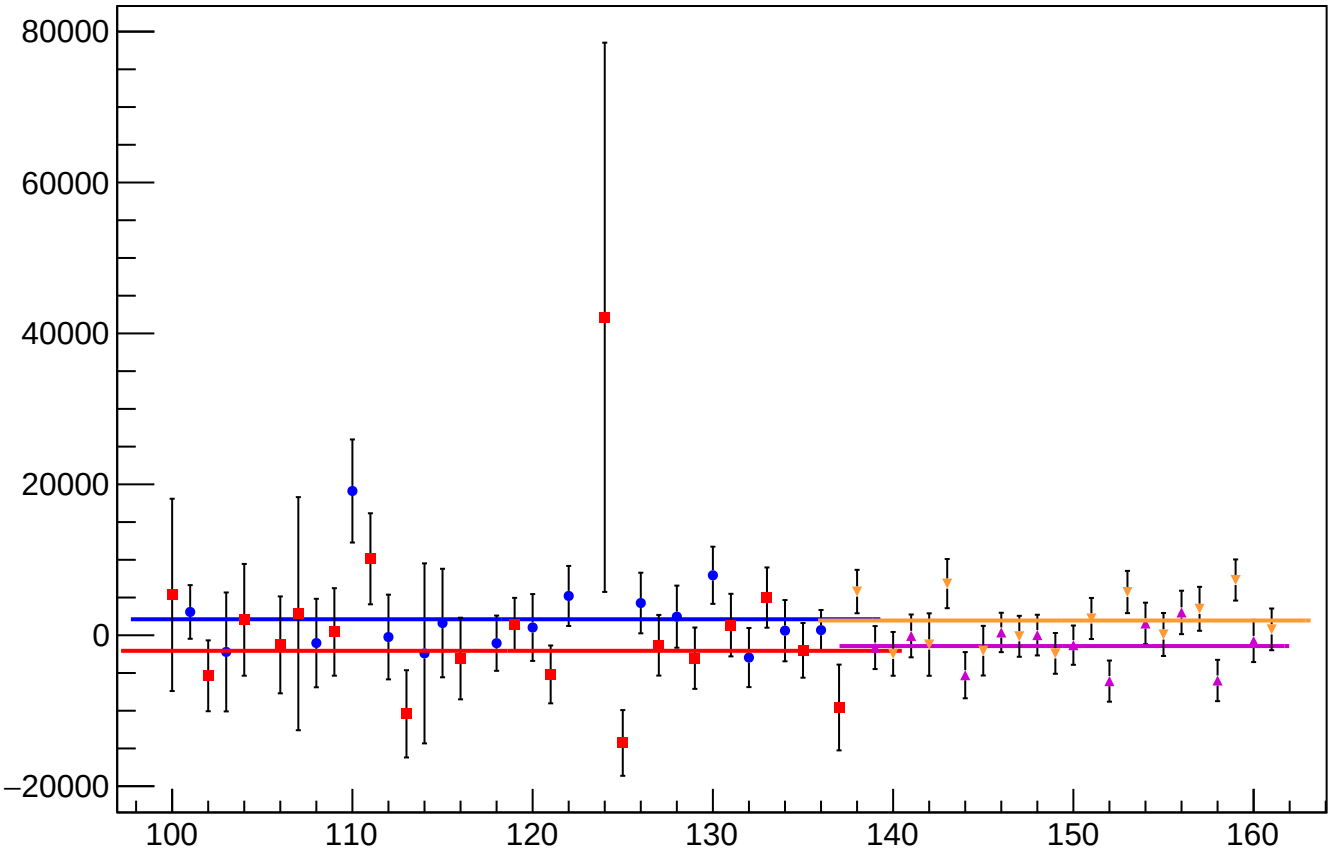
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 814.861+/-0.194 χ^2/NDF:1158780.0/10

+ sign 879.266+/-0.161 χ^2/NDF: 3153161.3/27

All: 887.067+/-0.116 χ^2/NDF: 7516069.1/56

- sign 895.420+/-0.166 χ^2/NDF: 4358033.2/28



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1957.780+/-809.356 χ^2/NDF:18.2/12

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

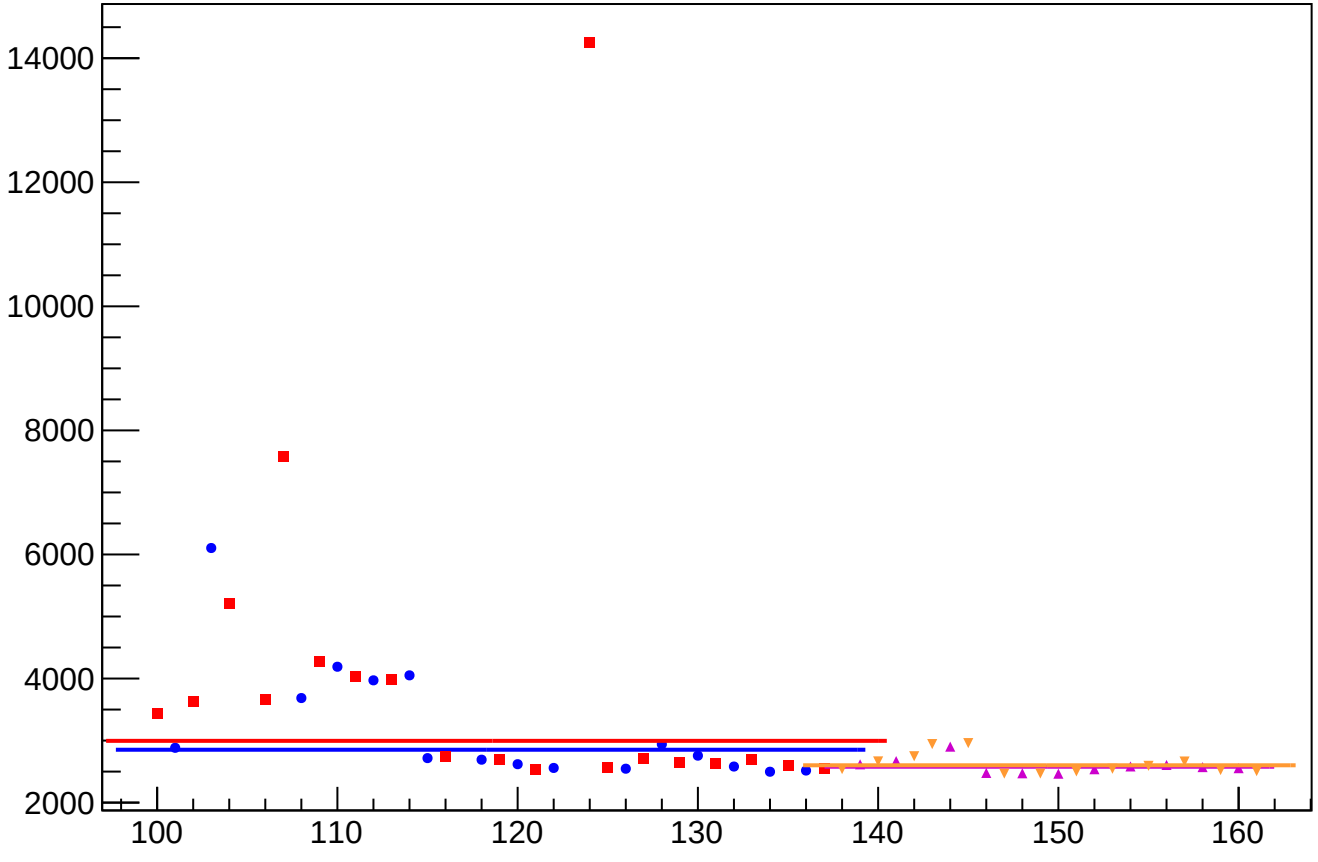
Left In: -1430.335+/-834.894 χ^2/NDF:11.9/10

+ sign 2016.507+/-648.680 χ^2/NDF: 31.6/28

All: 250.046+/-467.018 χ^2/NDF: 83.4/58

- sign -1650.870+/-672.914 χ^2/NDF: 36.4/29

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2601.652+/-0.572 χ^2/NDF:67873.2/12

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

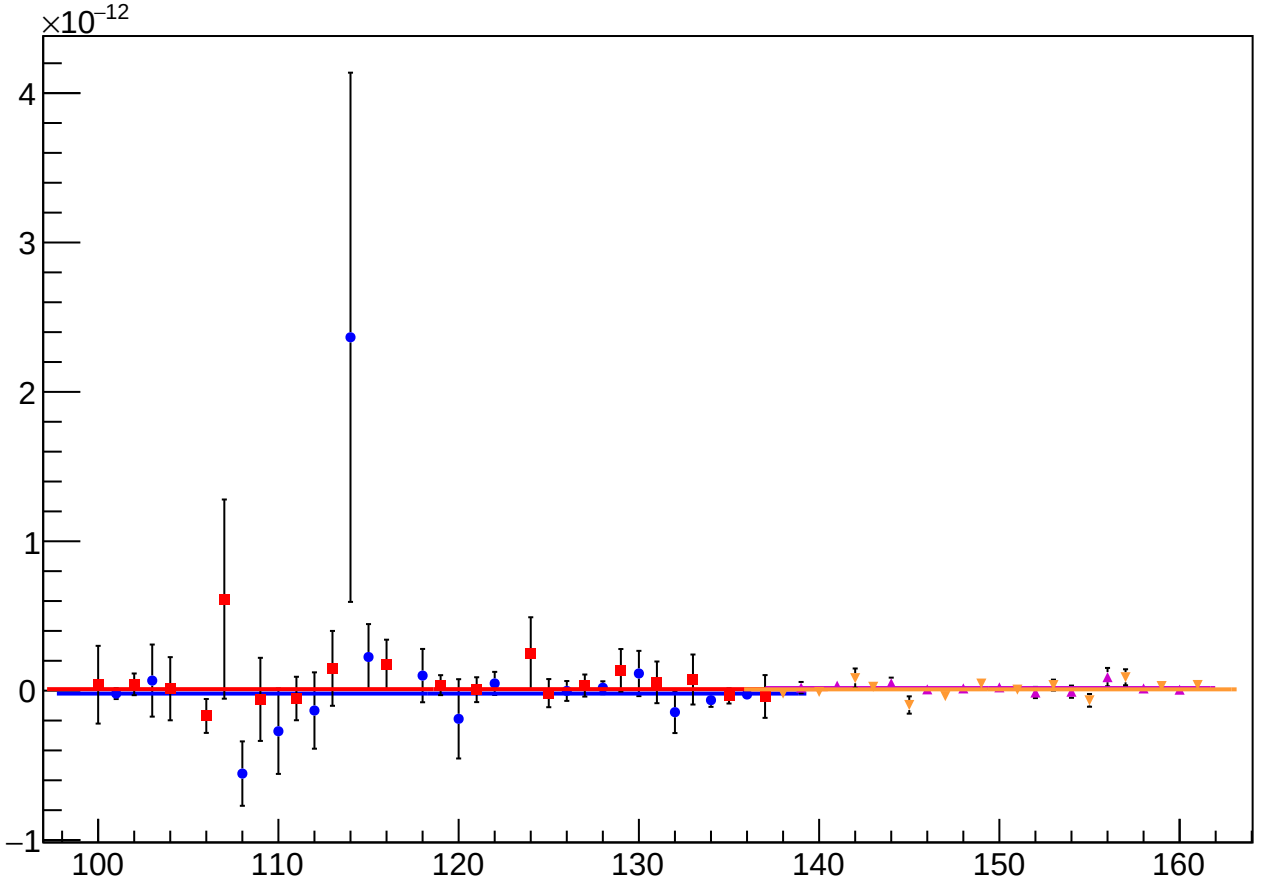
Left In: 2578.283+/-0.590 χ^2/NDF:35305.8/10

+ sign 2691.259+/-0.459 χ^2/NDF: 785136.3/28

All: 2707.260+/-0.330 χ^2/NDF: 1977158.0/58

- sign 2724.478+/-0.476 χ^2/NDF: 1189495.4/29

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:20.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

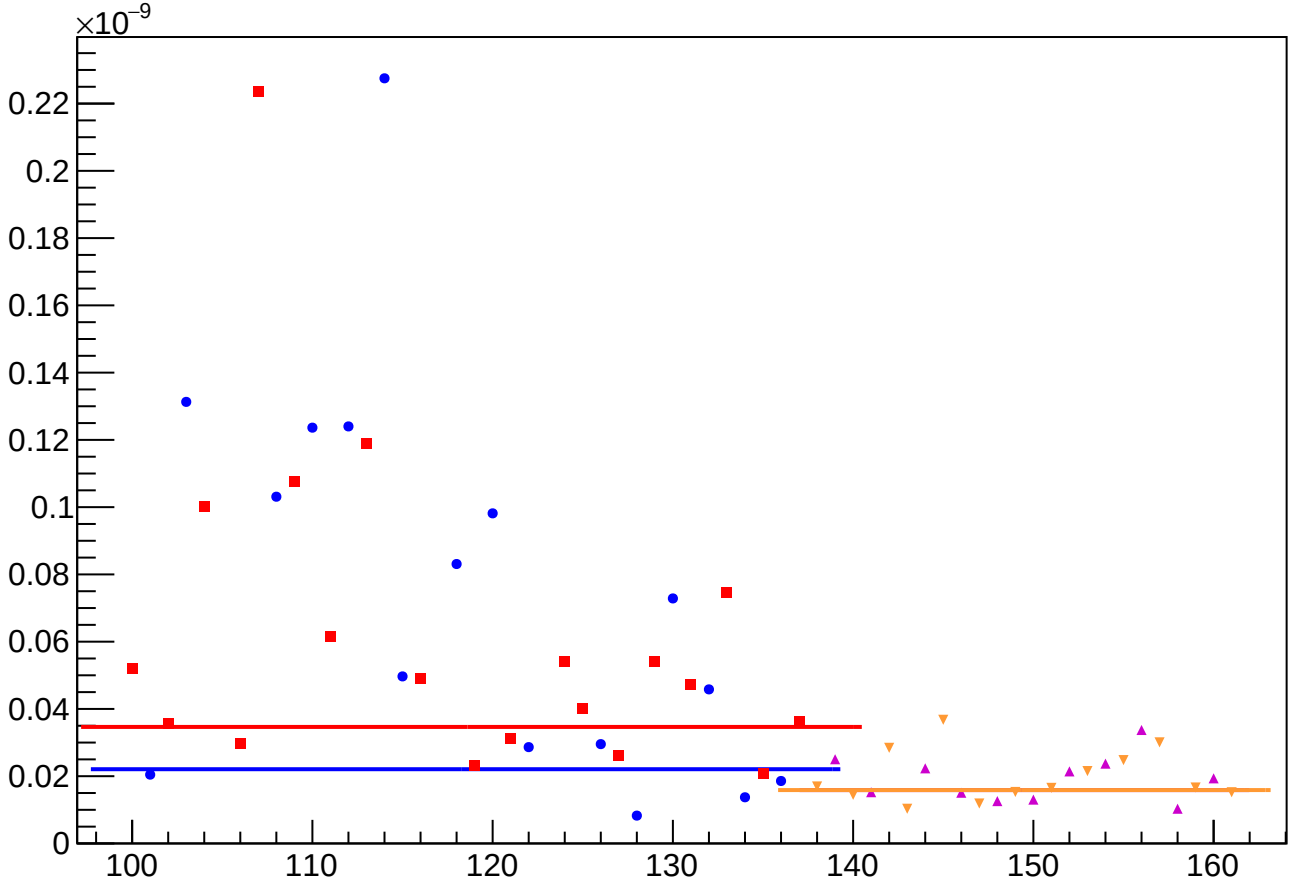
Left In: 0.000+/-0.000 χ^2/NDF:3.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 38.6/28

All: 0.000+/-0.000 χ^2/NDF: 52.0/58

- sign 0.000+/-0.000 χ^2/NDF: 12.1/29

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:854329.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

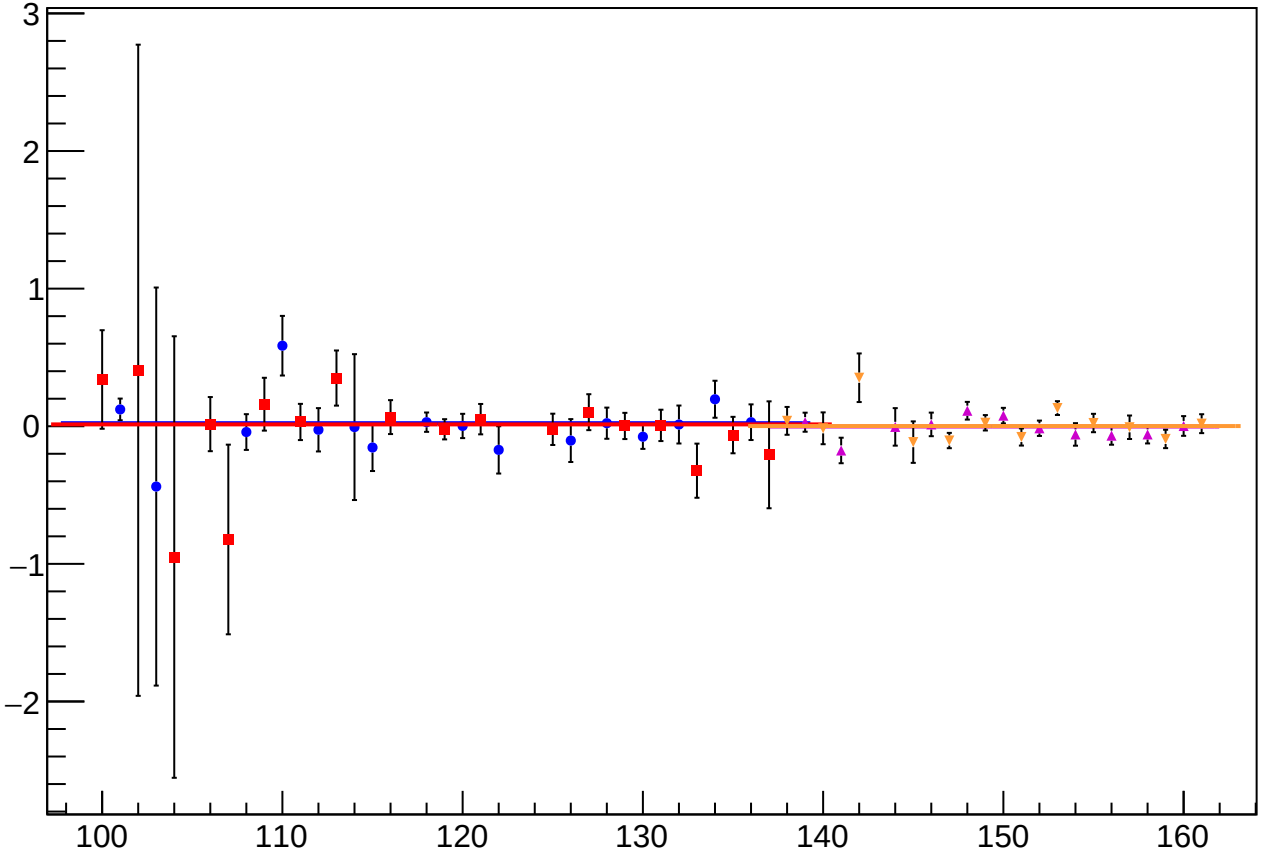
Left In: 0.000+/-0.000 χ^2/NDF:721834.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 3412837.6/28

All: 0.000+/-0.000 χ^2/NDF: 6439639.6/58

- sign 0.000+/-0.000 χ^2/NDF: 3008503.1/29

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.001+/-0.021 χ^2/NDF:19.0/11

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

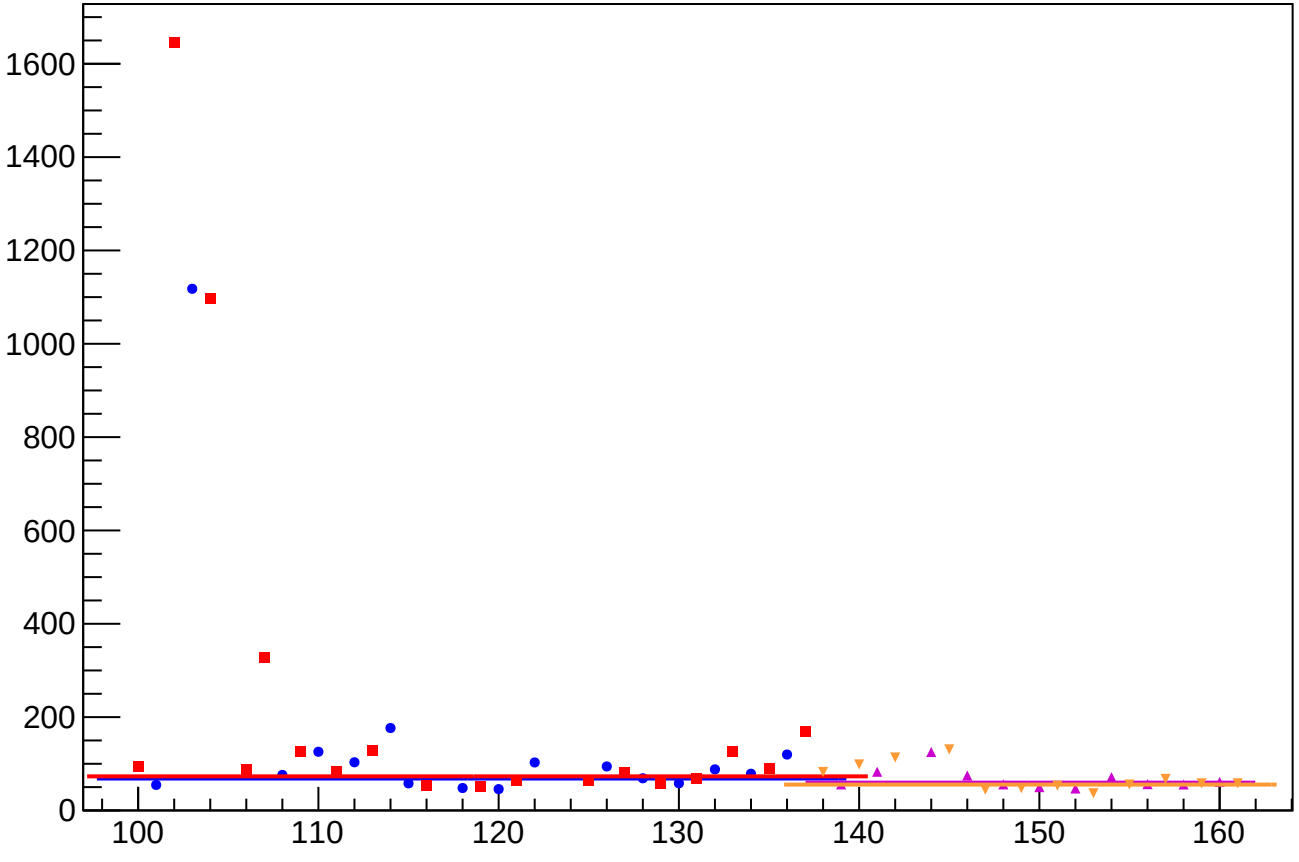
Left In: -0.002+/-0.021 χ^2/NDF:11.2/10

+ sign 0.008+/-0.017 χ^2/NDF: 34.2/27

All: 0.005+/-0.012 χ^2/NDF: 56.4/56

- sign 0.003+/-0.018 χ^2/NDF: 22.2/28

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.457+/-0.015 χ^2/NDF:1573246.1/11

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

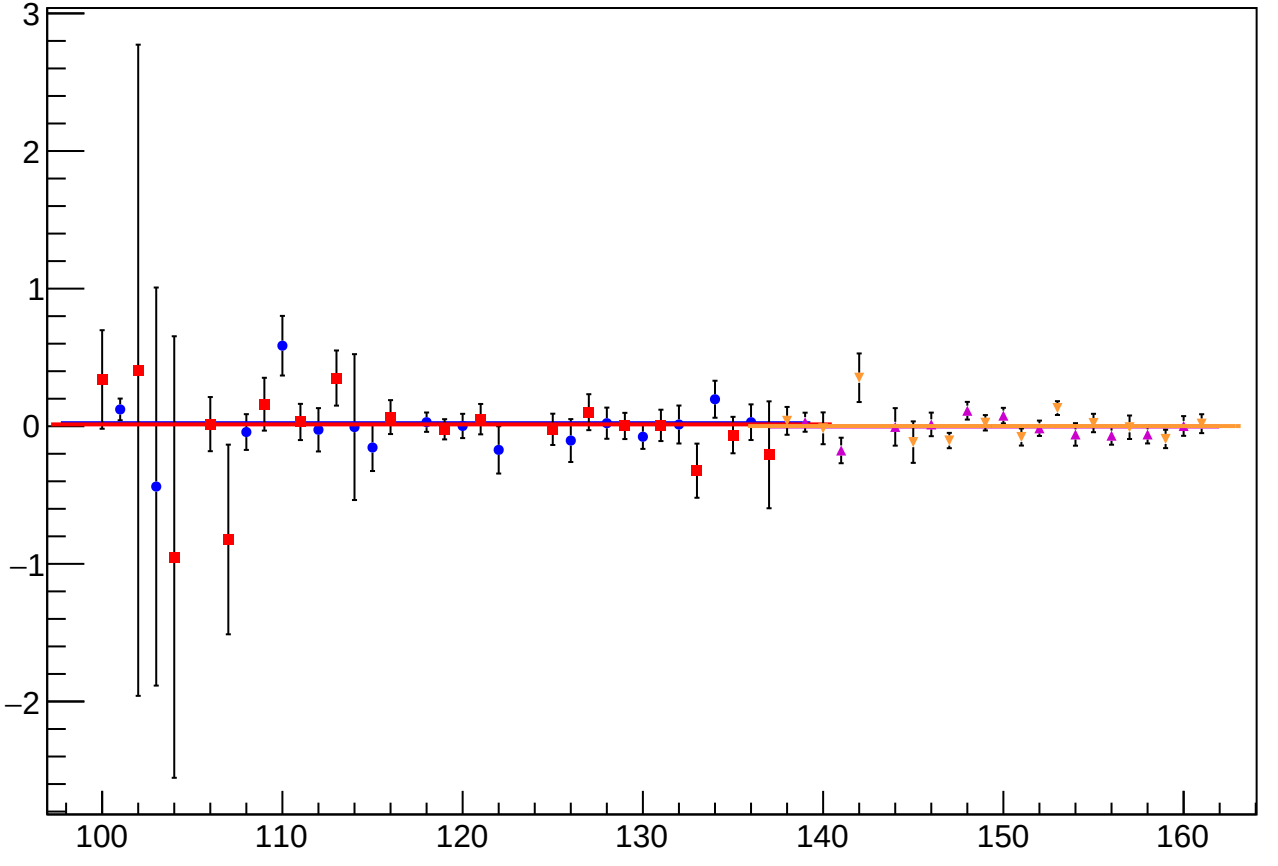
Left In: 59.620+/-0.015 χ^2/NDF:879649.8/10

+ sign 59.600+/-0.012 χ^2/NDF: 4103317.9/27

All: 61.447+/-0.009 χ^2/NDF: 8175426.1/56

- sign 63.506+/-0.013 χ^2/NDF: 4022426.0/28

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.001+/-0.021 χ^2/NDF:19.0/11

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

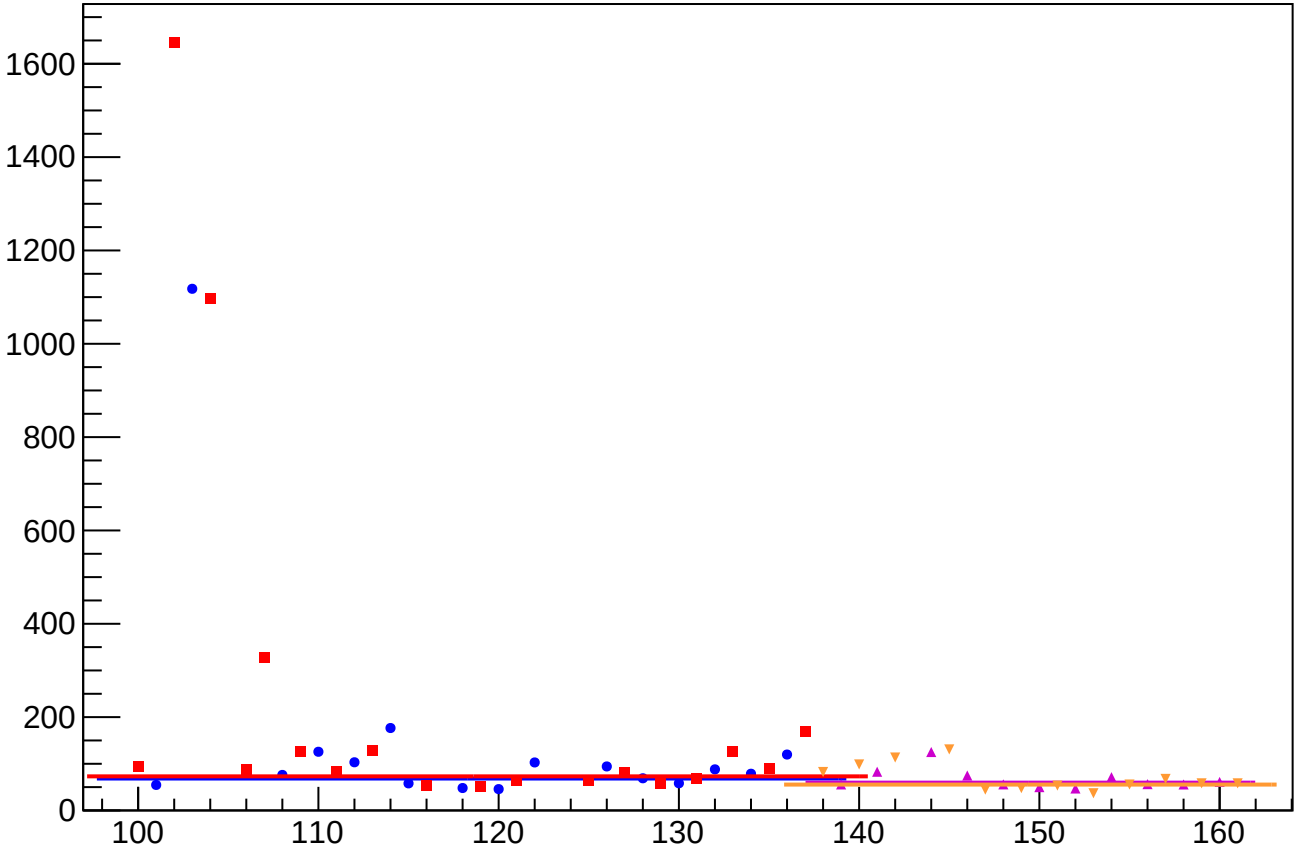
Left In: -0.002+/-0.021 χ^2/NDF:11.2/10

+ sign 0.008+/-0.017 χ^2/NDF: 34.2/27

All: 0.005+/-0.012 χ^2/NDF: 56.4/56

- sign 0.003+/-0.018 χ^2/NDF: 22.2/28

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.457+/-0.015 χ^2/NDF:1573246.1/11

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

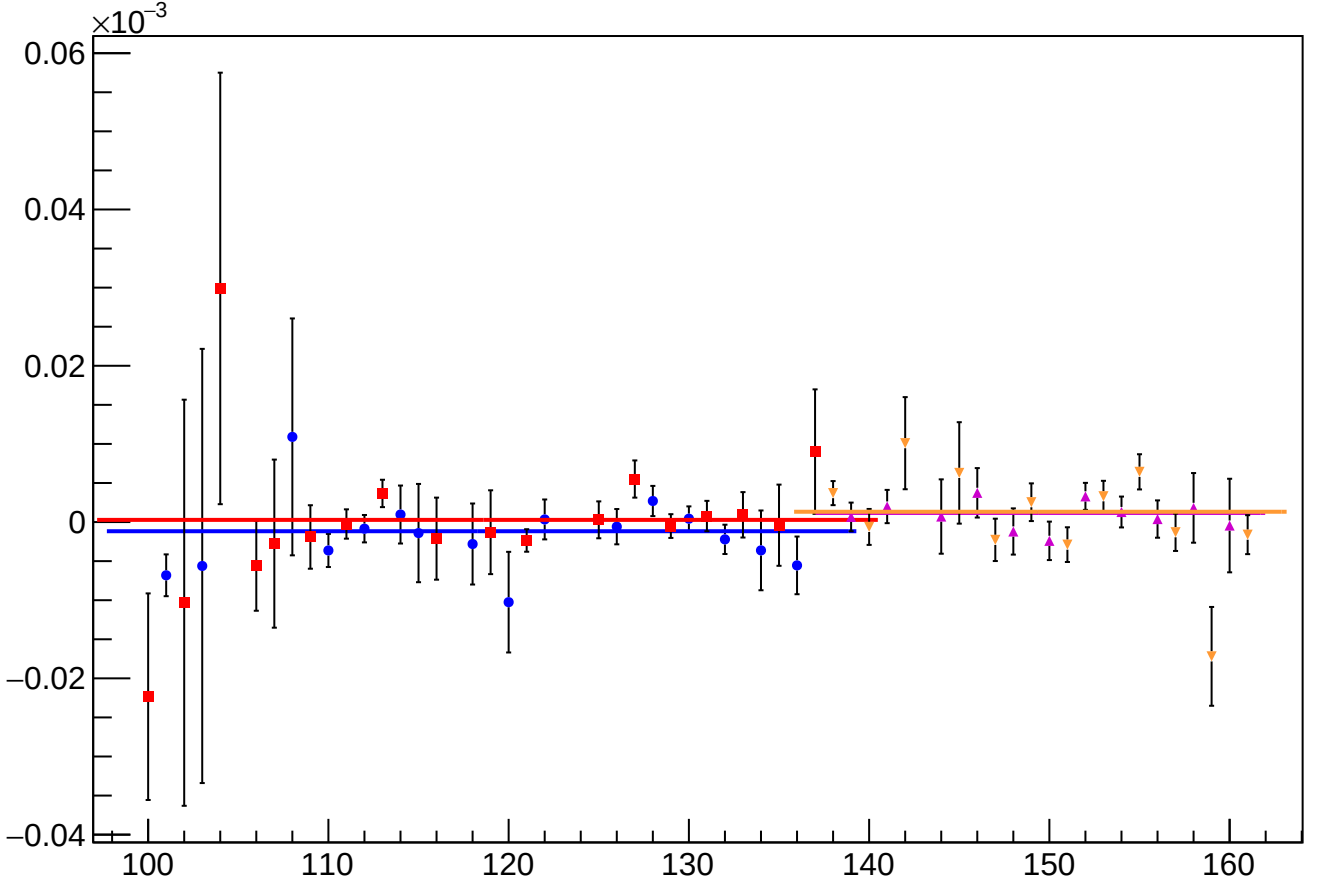
Left In: 59.620+/-0.015 χ^2/NDF:879649.8/10

+ sign 59.600+/-0.012 χ^2/NDF: 4103317.9/27

All: 61.447+/-0.009 χ^2/NDF: 8175426.1/56

- sign 63.506+/-0.013 χ^2/NDF: 4022426.0/28

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:28.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

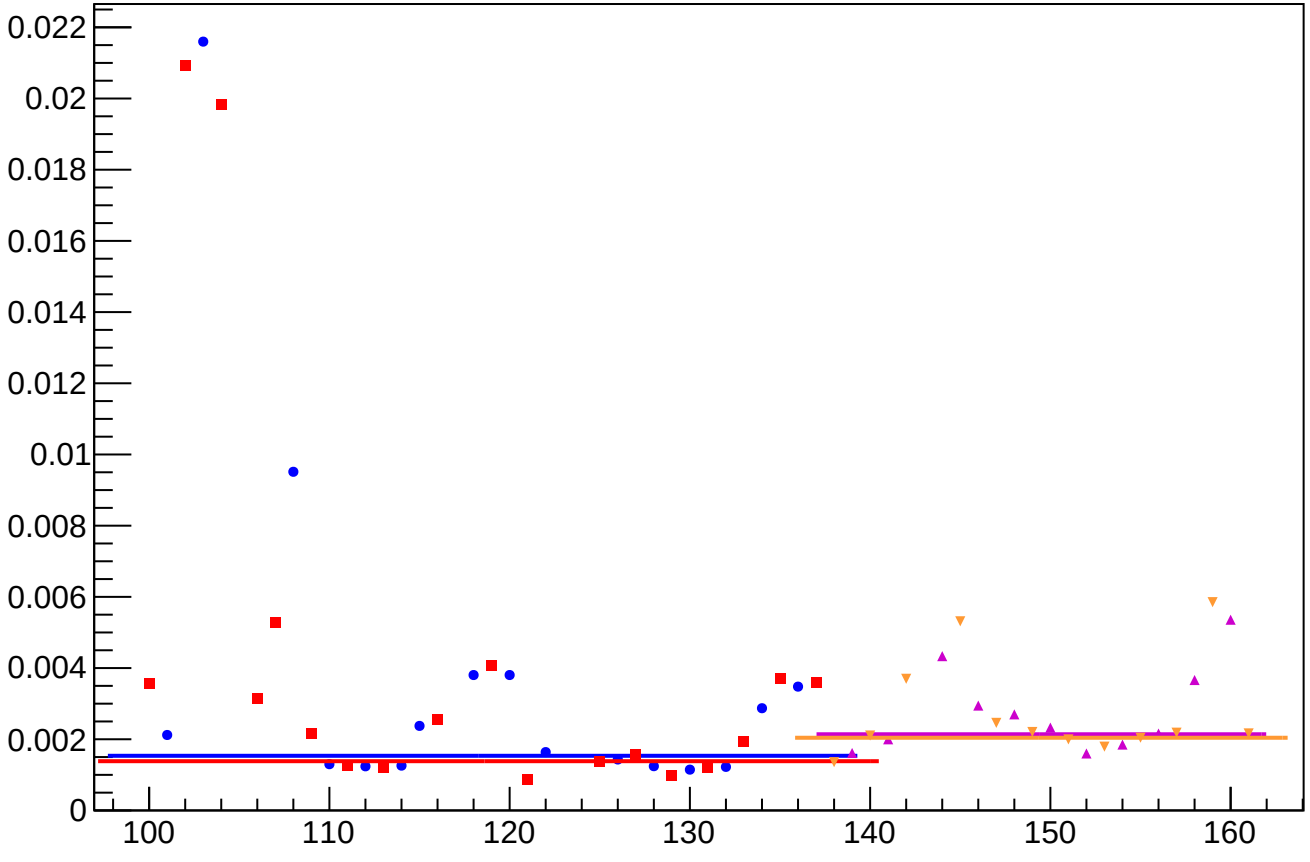
Left In: 0.000+/-0.000 χ^2/NDF:5.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 51.7/27

All: 0.000+/-0.000 χ^2/NDF: 78.3/56

- sign 0.000+/-0.000 χ^2/NDF: 25.7/28

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1890608.3/11

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

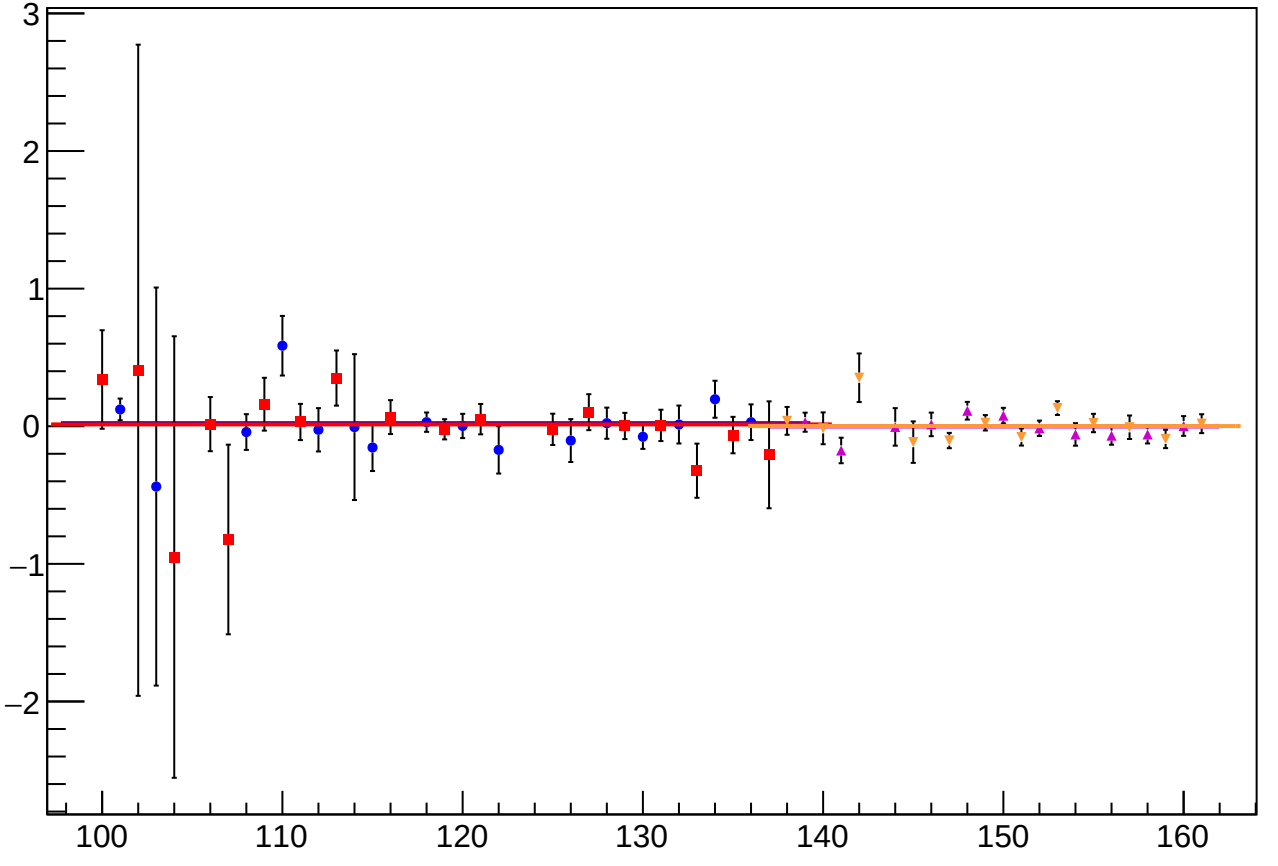
Left In: 0.002+/-0.000 χ^2/NDF:1861580.4/10

+ sign 0.002+/-0.000 χ^2/NDF: 5807896.7/27

All: 0.002+/-0.000 χ^2/NDF: 13153370.2/56

- sign 0.002+/-0.000 χ^2/NDF: 7322749.7/28

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.001+/-0.021 χ^2/NDF:19.0/11

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

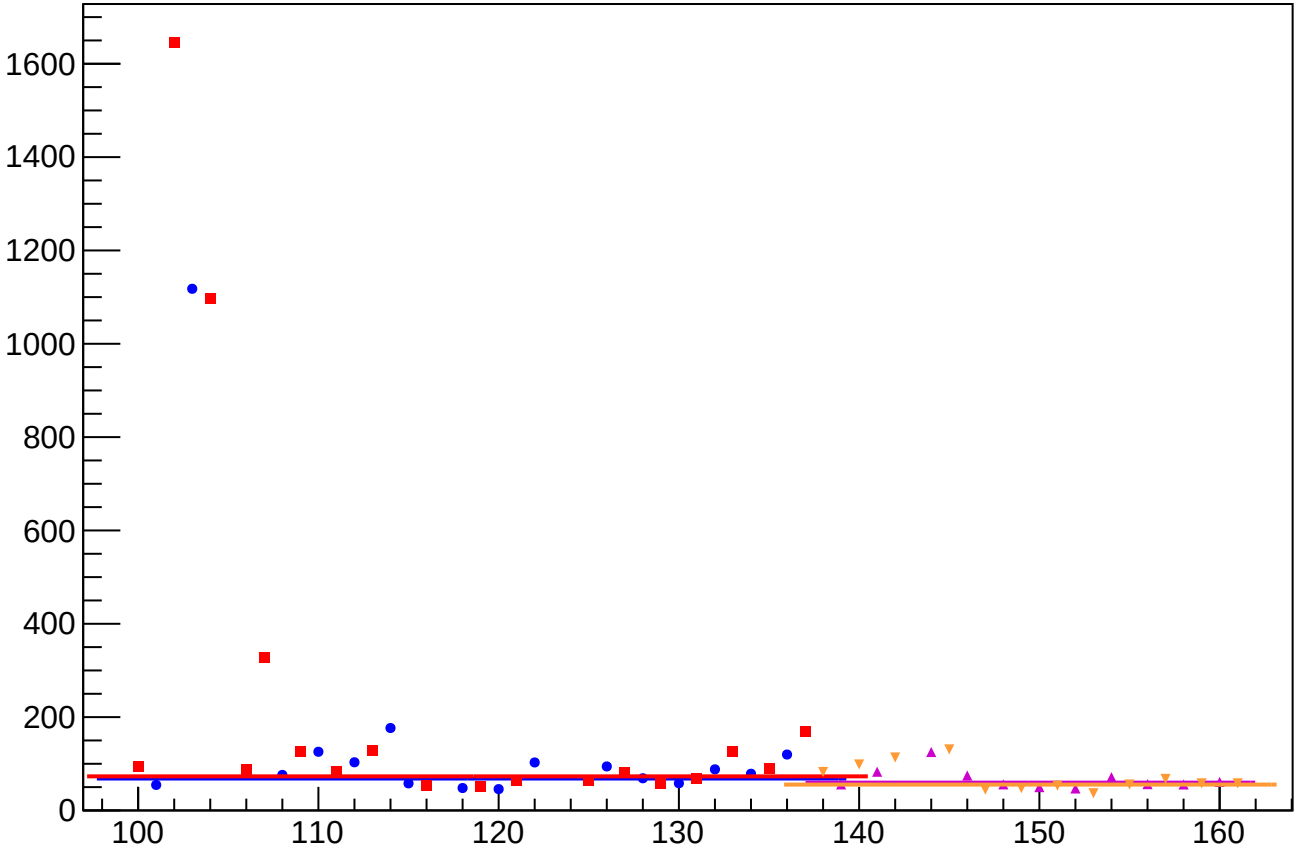
Left In: -0.002+/-0.021 χ^2/NDF:11.2/10

+ sign 0.008+/-0.017 χ^2/NDF: 34.2/27

All: 0.005+/-0.012 χ^2/NDF: 56.4/56

- sign 0.003+/-0.018 χ^2/NDF: 22.2/28

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.457+/-0.015 χ^2/NDF:1573312.6/11

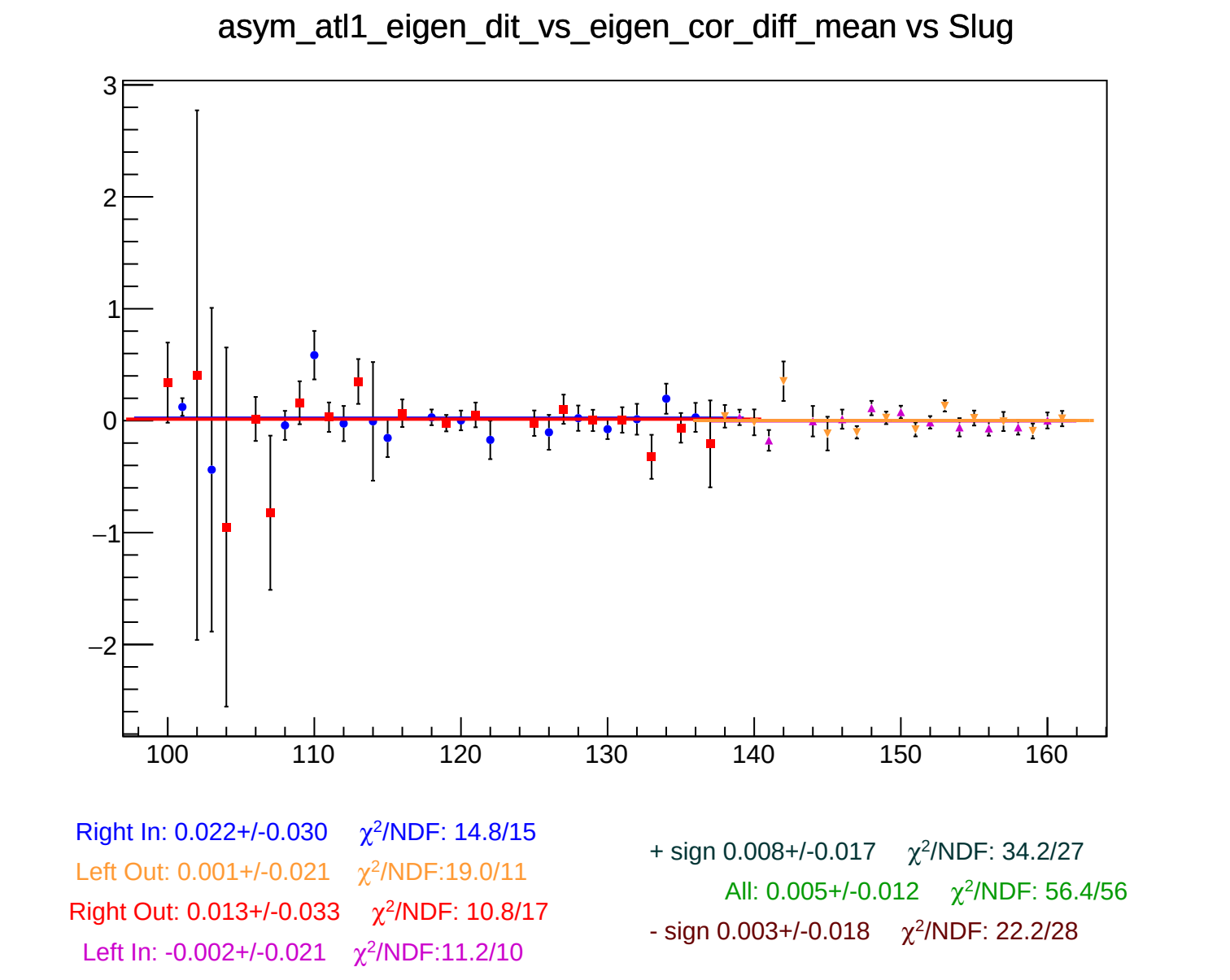
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.621+/-0.015 χ^2/NDF:879628.7/10

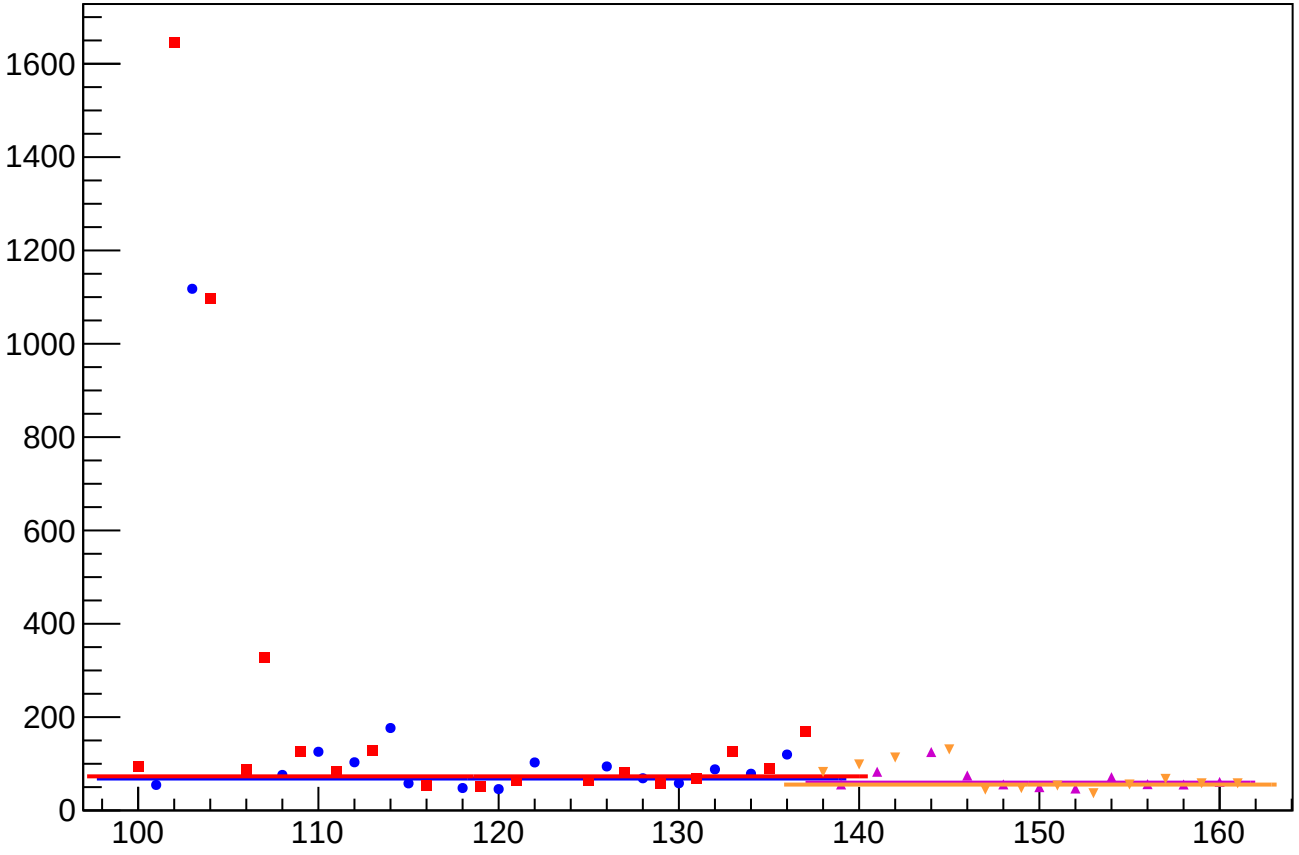
+ sign 59.600+/-0.012 χ^2/NDF: 4103442.5/27

All: 61.447+/-0.009 χ^2/NDF: 8175529.6/56

- sign 63.506+/-0.013 χ^2/NDF: 4022392.4/28


asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: 0.022+/-0.030 χ²/NDF: 14.8/15
Left Out: 0.001+/-0.021 χ²/NDF:19.0/11
Right Out: 0.013+/-0.033 χ²/NDF: 10.8/17
Left In: -0.002+/-0.021 χ²/NDF:11.2/10
+ sign 0.008+/-0.017 χ²/NDF: 34.2/27
All: 0.005+/-0.012 χ²/NDF: 56.4/56
- sign 0.003+/-0.018 χ²/NDF: 22.2/28

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: 55.457+/-0.015 χ^2/NDF:1573312.6/11

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

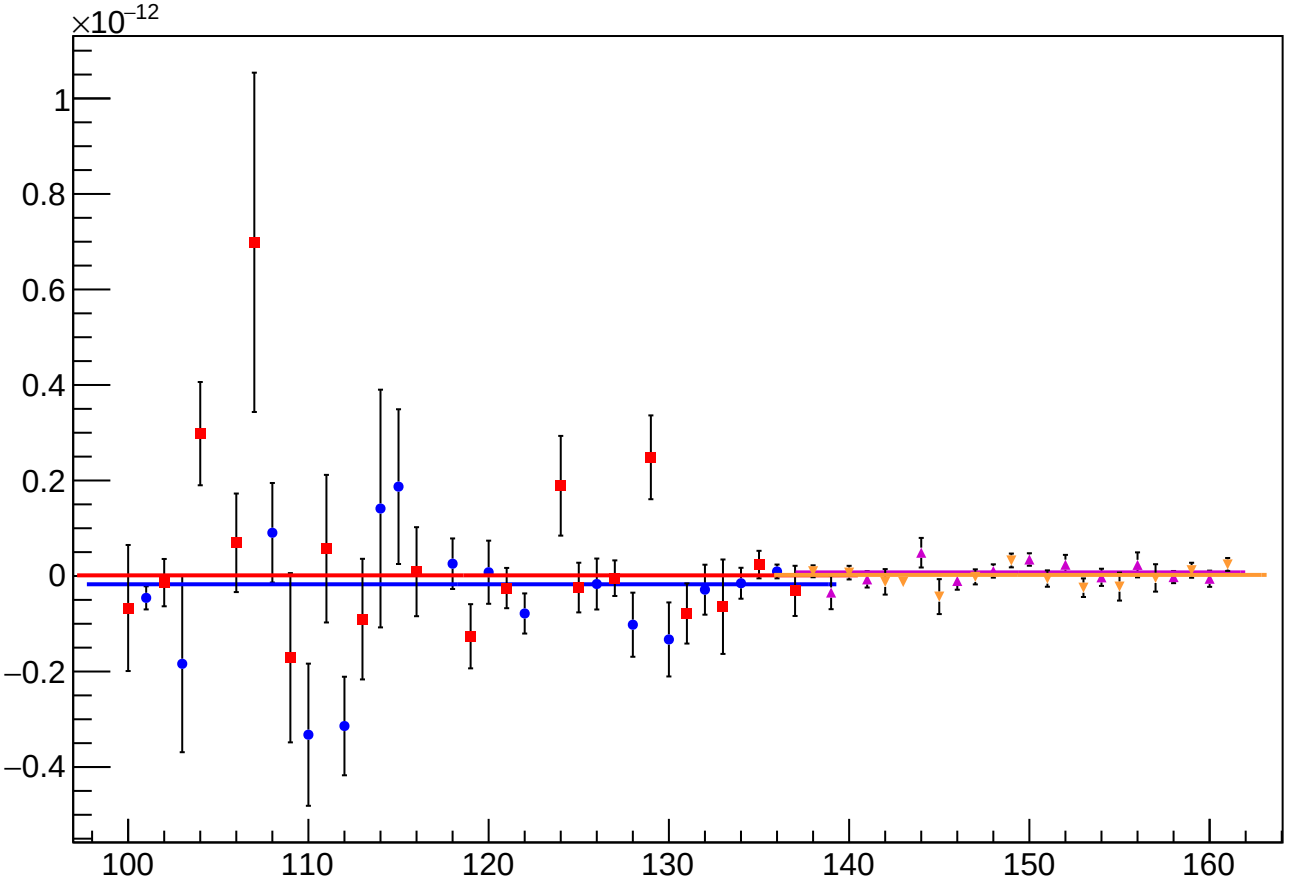
Left In: 59.621+/-0.015 χ^2/NDF:879628.7/10

+ sign 59.600+/-0.012 χ^2/NDF: 4103442.5/27

All: 61.447+/-0.009 χ^2/NDF: 8175529.6/56

- sign 63.506+/-0.013 χ^2/NDF: 4022392.4/28

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

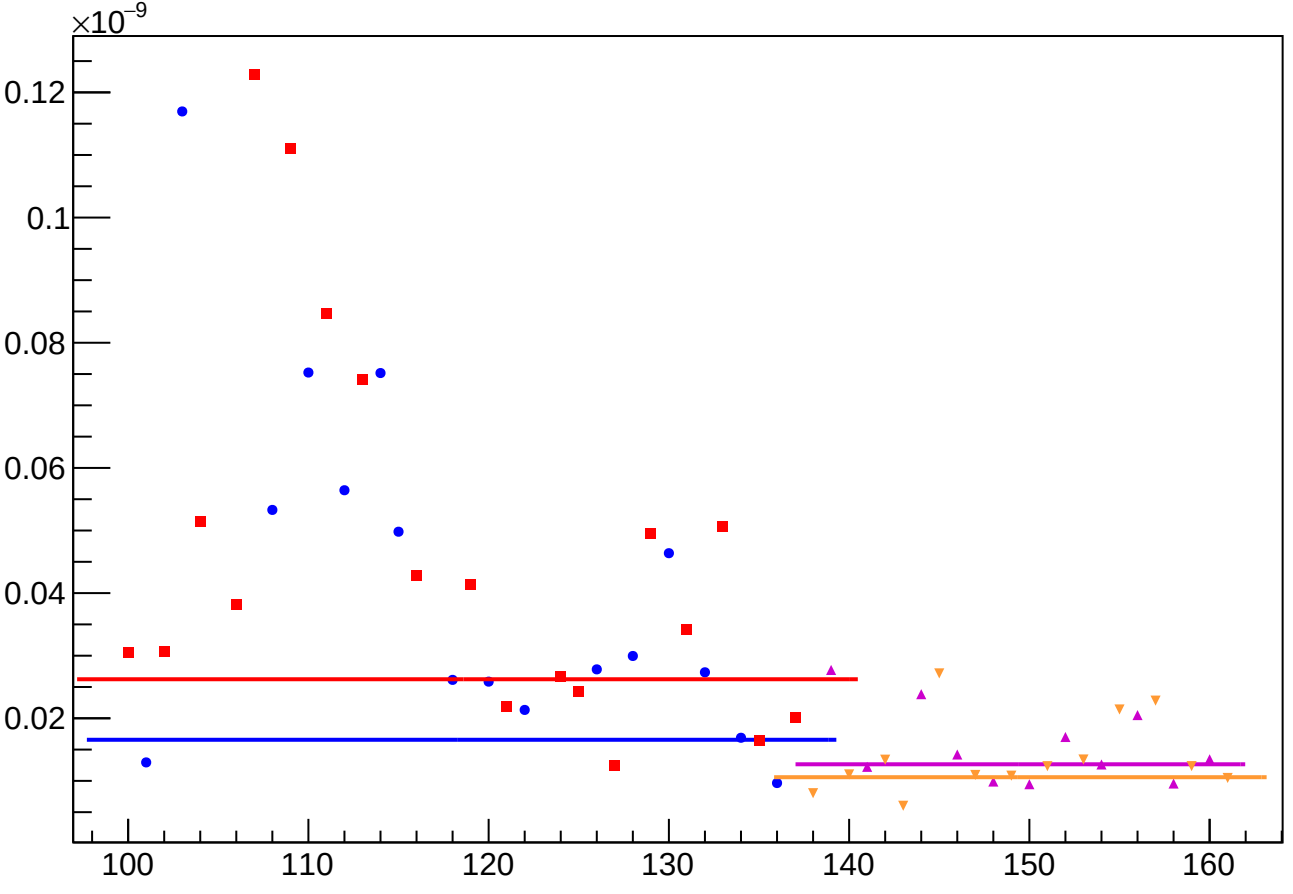
Left In: 0.000+/-0.000 χ^2/NDF:11.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/28

All: 0.000+/-0.000 χ^2/NDF: 92.3/58

- sign 0.000+/-0.000 χ^2/NDF: 44.2/29

asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1722126.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

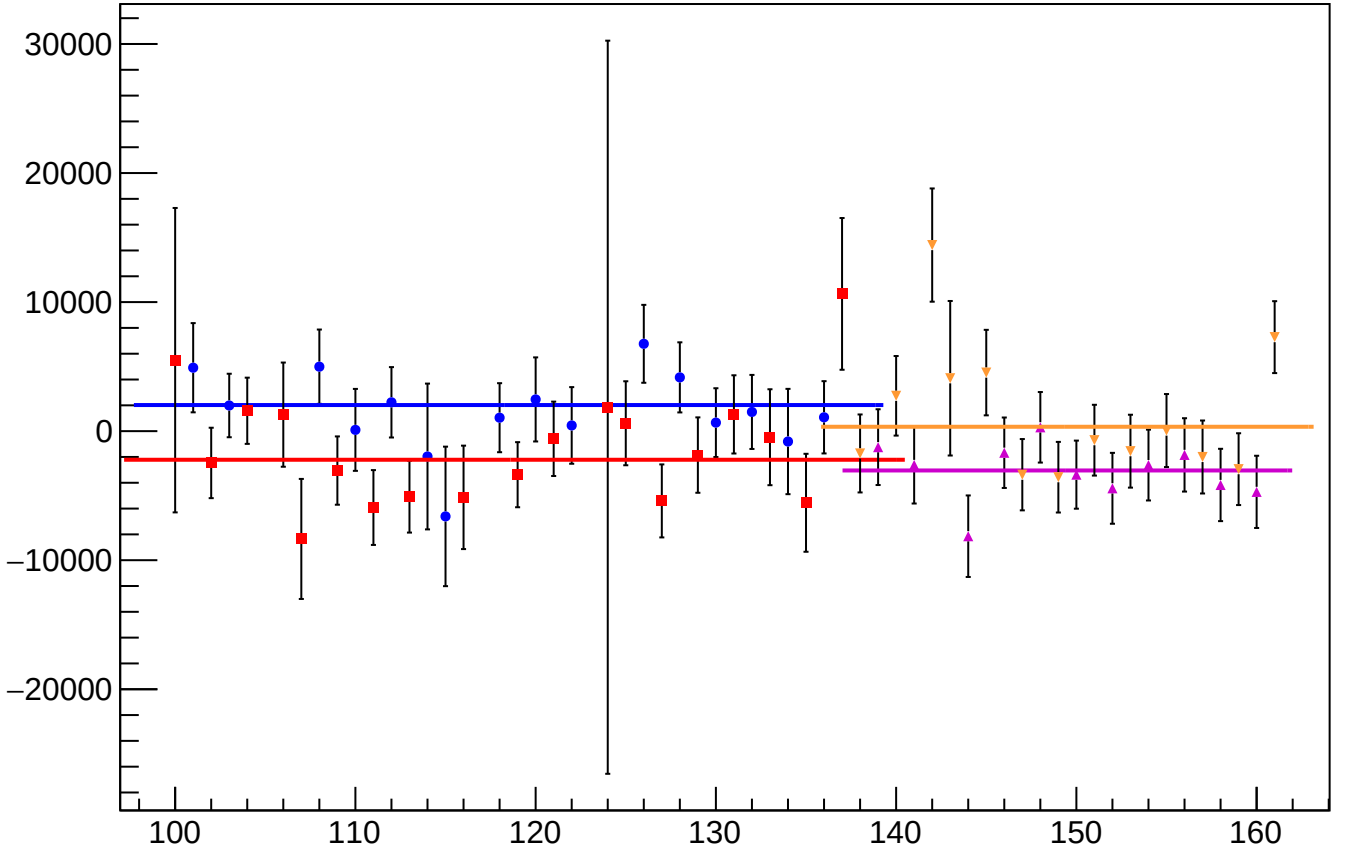
Left In: 0.000+/-0.000 χ^2/NDF:1238409.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 5145935.9/28

All: 0.000+/-0.000 χ^2/NDF: 10693718.4/58

- sign 0.000+/-0.000 χ^2/NDF: 5181165.3/29

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 339.904+/-840.181 χ^2/NDF:26.1/12

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

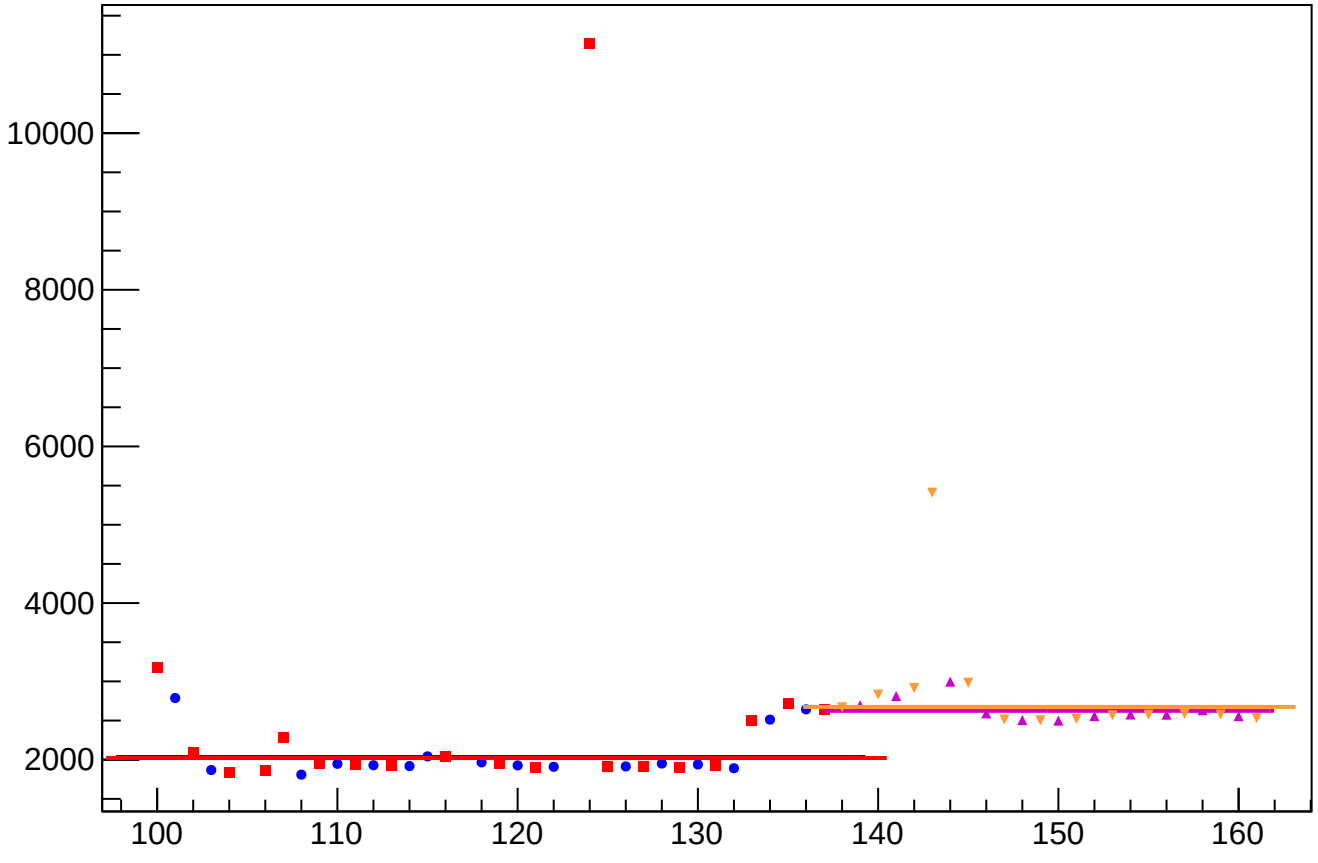
Left In: -3047.111+/-850.003 χ^2/NDF:5.7/10

+ sign 1260.642+/-565.392 χ^2/NDF: 37.9/28

All: -663.097+/-399.637 χ^2/NDF: 85.5/58

- sign -2583.854+/-564.954 χ^2/NDF: 24.4/29

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2674.029+/-0.594 χ^2/NDF:482096.3/12

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

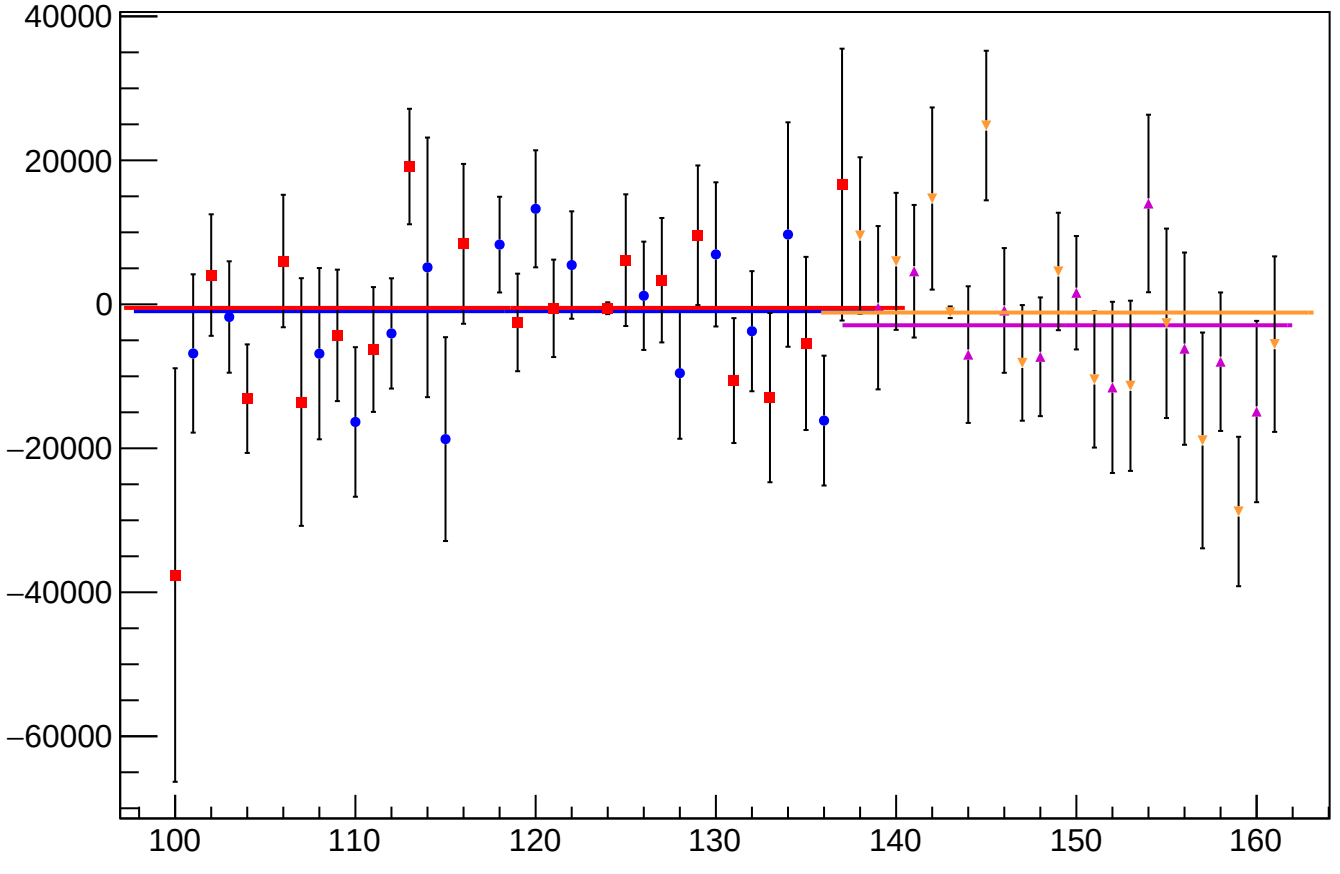
Left In: 2624.256+/-0.601 χ^2/NDF:49045.4/10

+ sign 2323.923+/-0.400 χ^2/NDF: 1379765.7/28

All: 2305.847+/-0.283 χ^2/NDF: 2384563.6/58

- sign 2287.798+/-0.399 χ^2/NDF: 1000712.1/29

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1145.115+/-779.675 χ^2/NDF:20.9/12

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

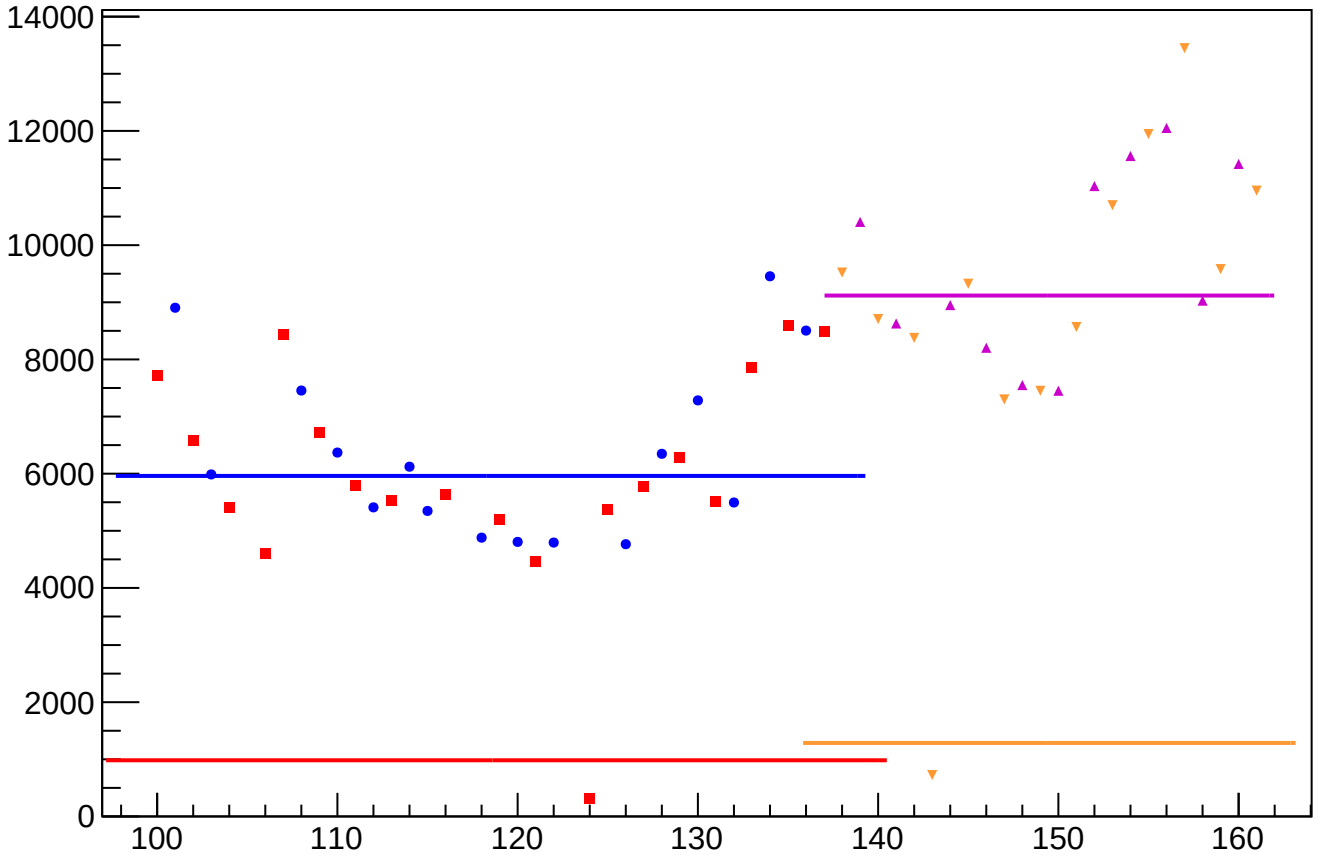
Left In: -2911.113+/-2998.729 χ^2/NDF:5.2/10

+ sign -1124.718+/-737.683 χ^2/NDF: 36.3/28

All: -887.493+/-523.926 χ^2/NDF: 60.8/58

- sign -646.027+/-744.248 χ^2/NDF: 24.3/29

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1286.857+/-0.551 χ^2/NDF:15034147.8/12

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

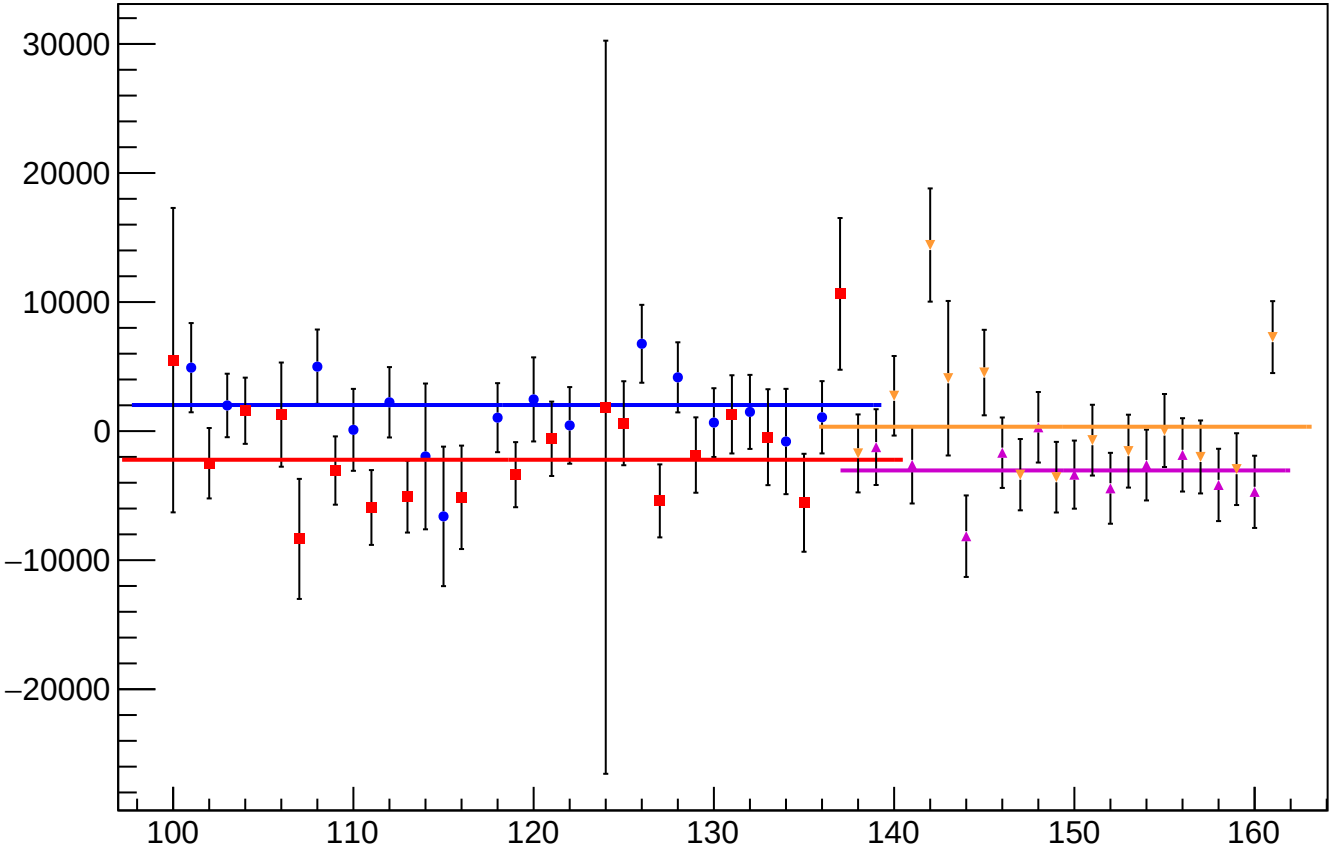
Left In: 9117.927+/-2.120 χ^2/NDF:510180.0/10

+ sign 1776.763+/-0.522 χ^2/NDF: 23256955.0/28

All: 1631.870+/-0.370 χ^2/NDF: 49150309.2/5

- sign 1484.386+/-0.526 χ^2/NDF: 25737656.3/29

cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 340.013+/-840.181 χ^2/NDF:26.1/12

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

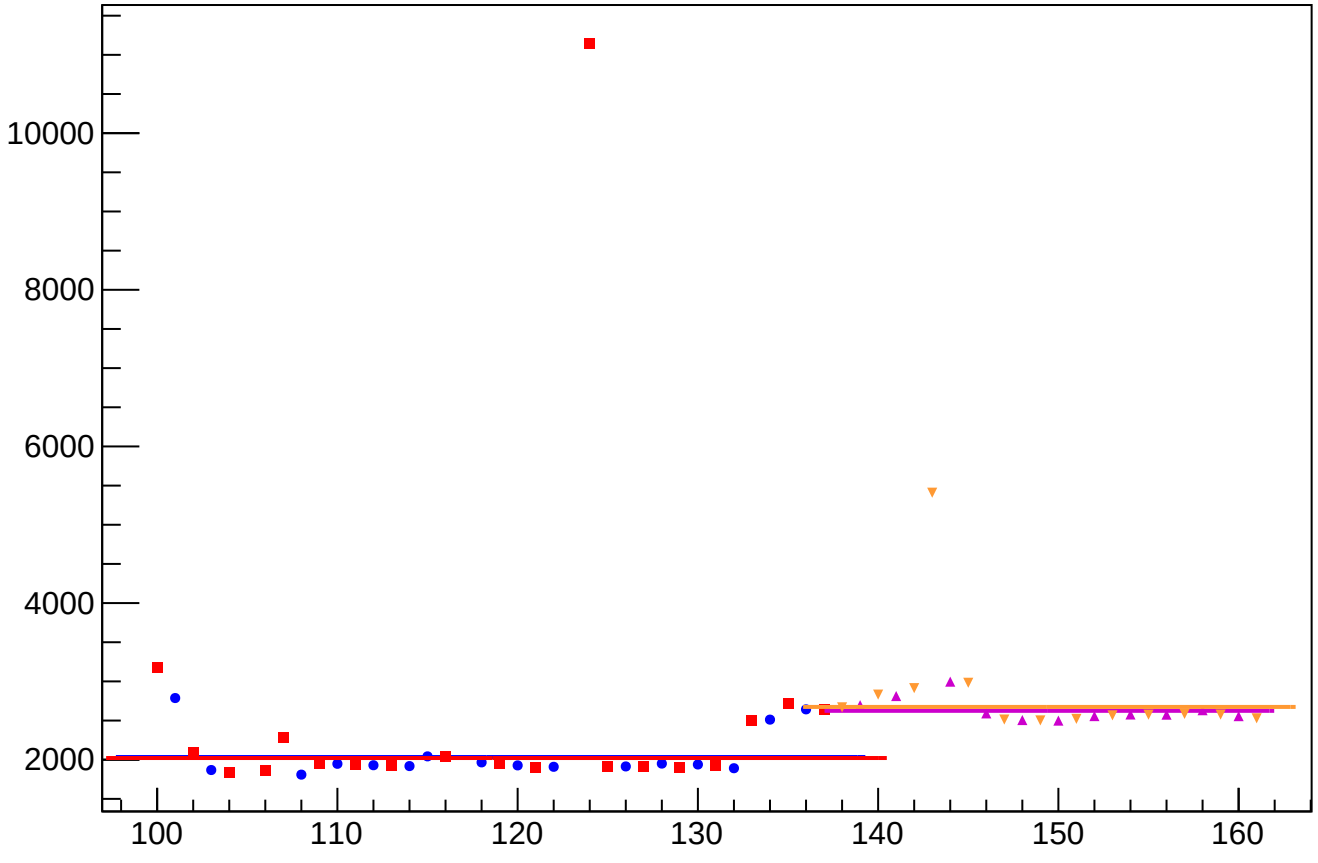
Left In: -3047.208+/-850.003 χ^2/NDF:5.7/10

+ sign 1260.760+/-565.392 χ^2/NDF: 37.9/28

All: -663.564+/-399.639 χ^2/NDF: 85.5/58

- sign -2584.928+/-564.957 χ^2/NDF: 24.4/29

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2674.029+/-0.594 χ^2/NDF:482096.3/12

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

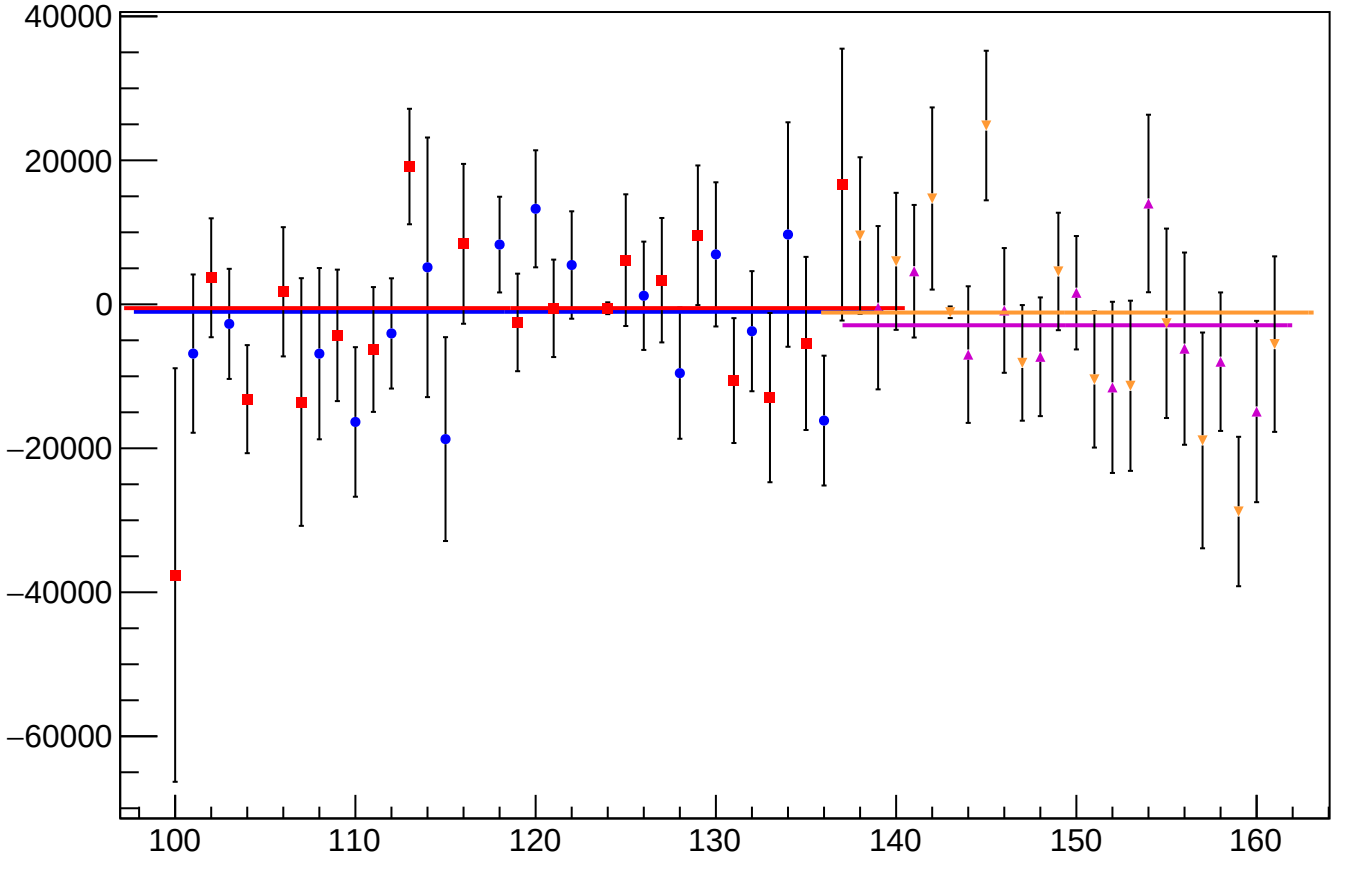
Left In: 2624.256+/-0.601 χ^2/NDF:49045.4/10

+ sign 2323.923+/-0.400 χ^2/NDF: 1379765.9/28

All: 2305.854+/-0.283 χ^2/NDF: 2384527.0/58

- sign 2287.813+/-0.399 χ^2/NDF: 1000678.8/29

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1144.866+/-779.605 χ^2/NDF:20.9/12

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

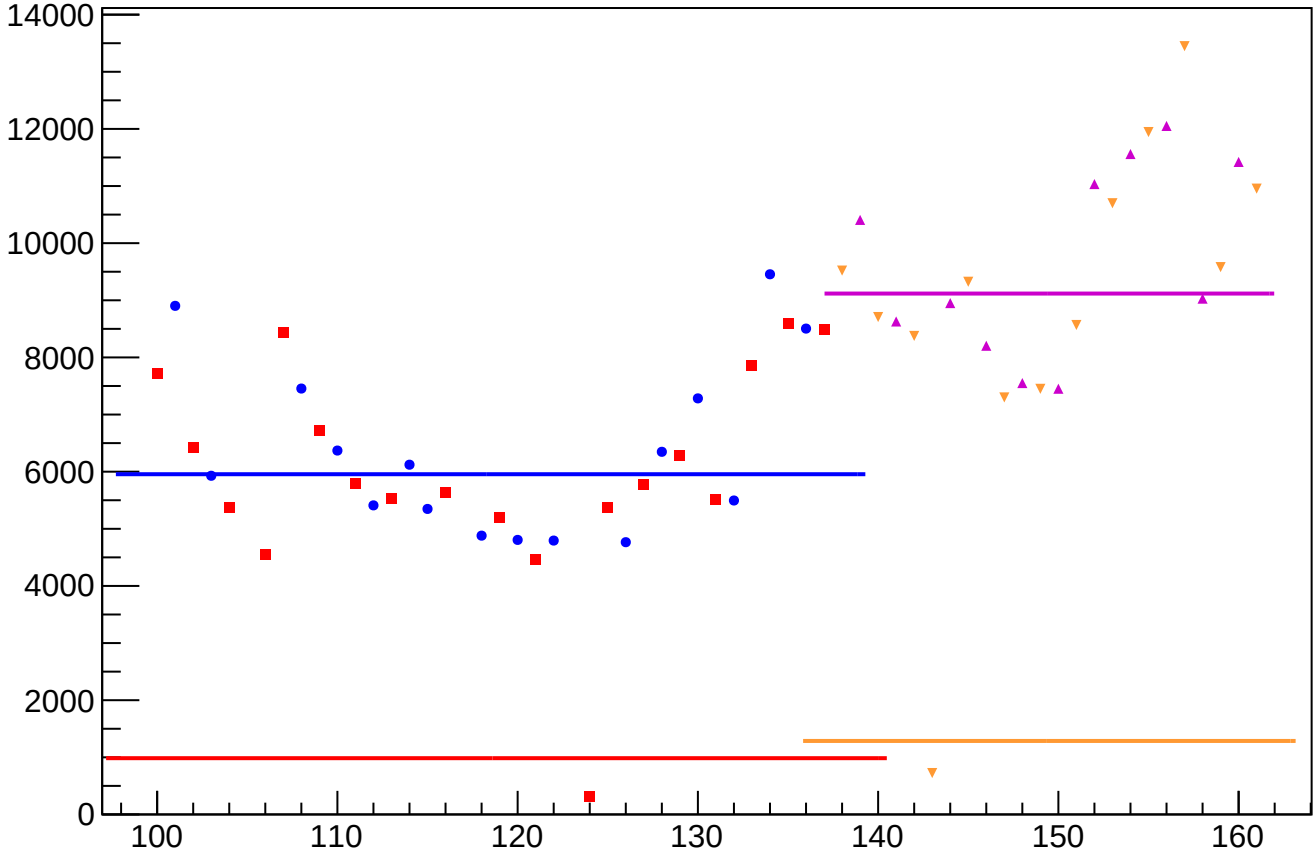
Left In: -2911.287+/-2998.726 χ^2/NDF:5.2/10

+ sign -1133.640+/-737.543 χ^2/NDF: 36.3/28

All: -907.381+/-523.769 χ^2/NDF: 60.3/58

- sign -677.180+/-743.940 χ^2/NDF: 23.8/29

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1286.692+/-0.551 χ^2/NDF:15034569.2/12

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

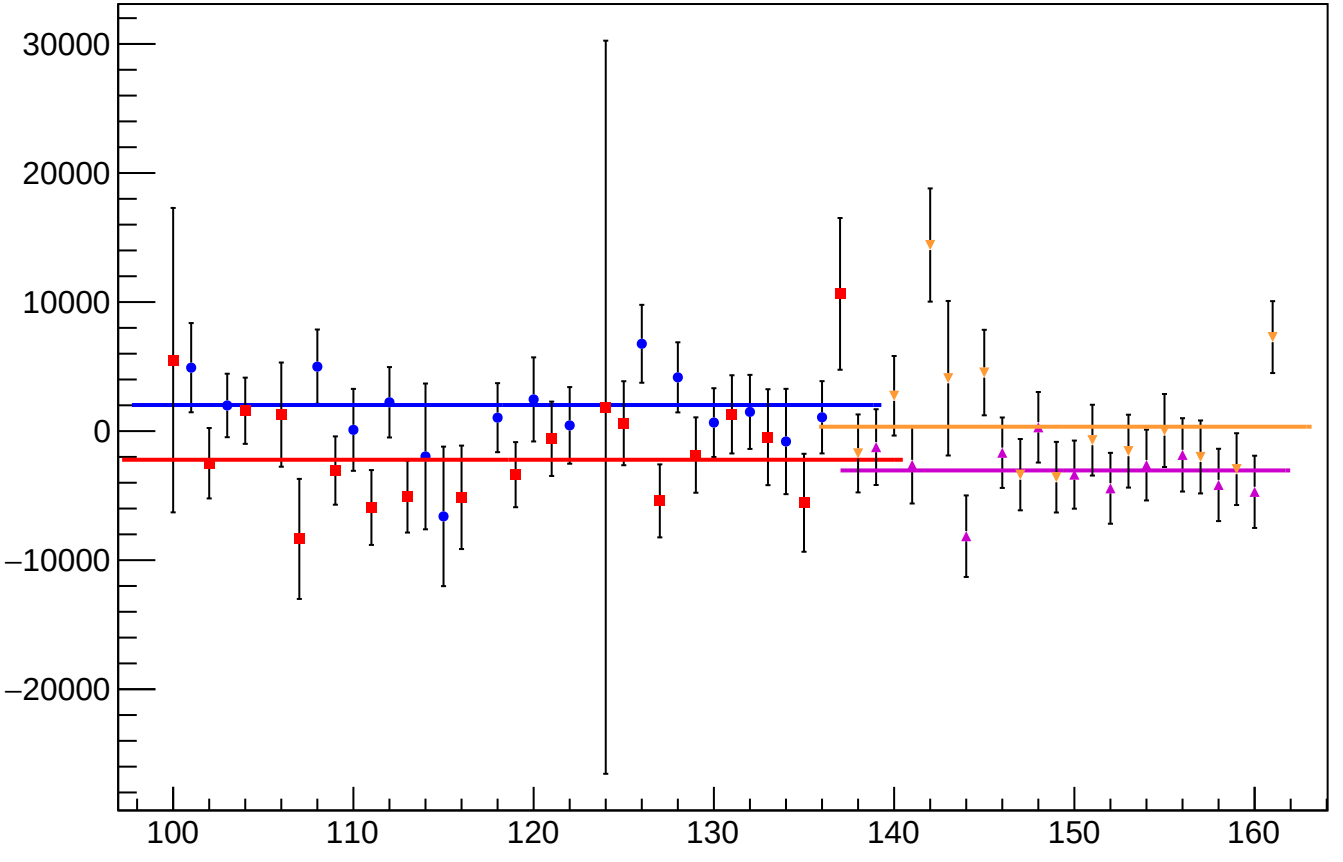
Left In: 9117.918+/-2.120 χ^2/NDF:510186.0/10

+ sign 1776.900+/-0.522 χ^2/NDF: 23255197.7/28

All: 1632.504+/-0.370 χ^2/NDF: 49138543.2/5

- sign 1485.593+/-0.526 χ^2/NDF: 25728691.6/29

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 340.013+/-840.181 χ^2/NDF:26.1/12

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

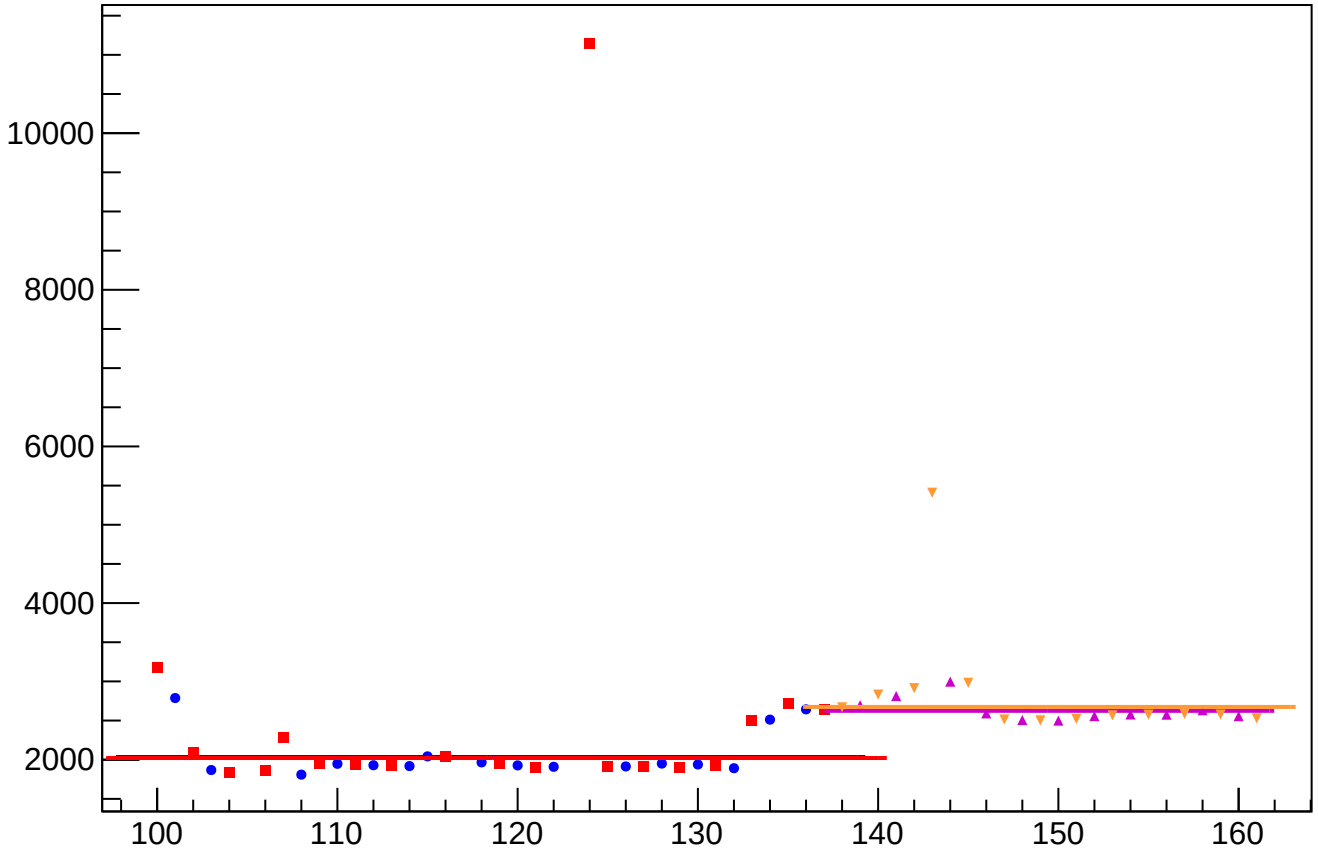
Left In: -3047.208+/-850.003 χ^2/NDF:5.7/10

+ sign 1260.760+/-565.392 χ^2/NDF: 37.9/28

All: -663.564+/-399.639 χ^2/NDF: 85.5/58

- sign -2584.928+/-564.957 χ^2/NDF: 24.4/29

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2674.029+/-0.594 χ^2/NDF:482096.3/12

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

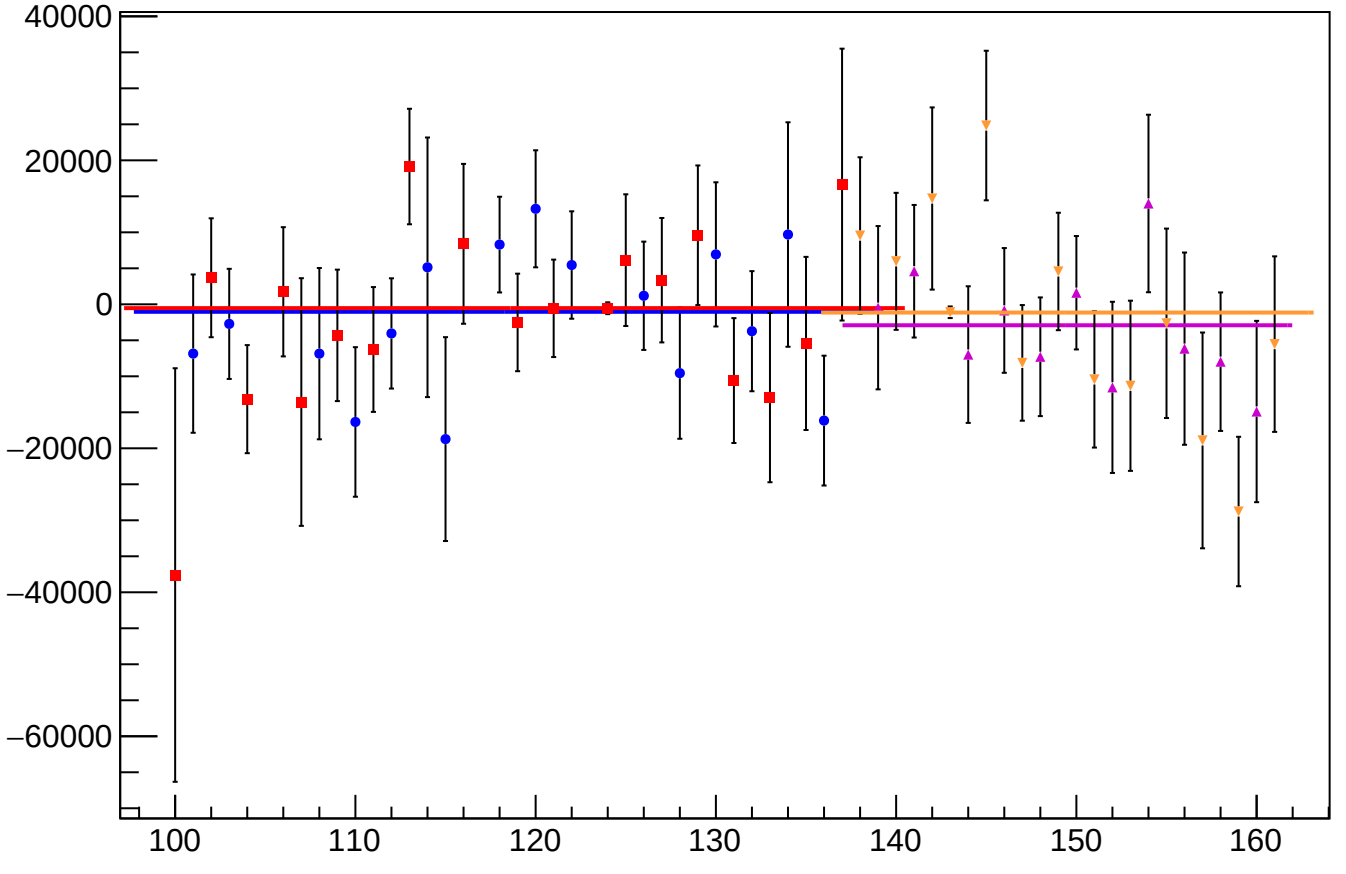
Left In: 2624.256+/-0.601 χ^2/NDF:49045.4/10

+ sign 2323.923+/-0.400 χ^2/NDF: 1379765.9/28

All: 2305.854+/-0.283 χ^2/NDF: 2384527.0/58

- sign 2287.813+/-0.399 χ^2/NDF: 1000678.8/29

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1144.866+/-779.605 χ^2/NDF:20.9/12

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

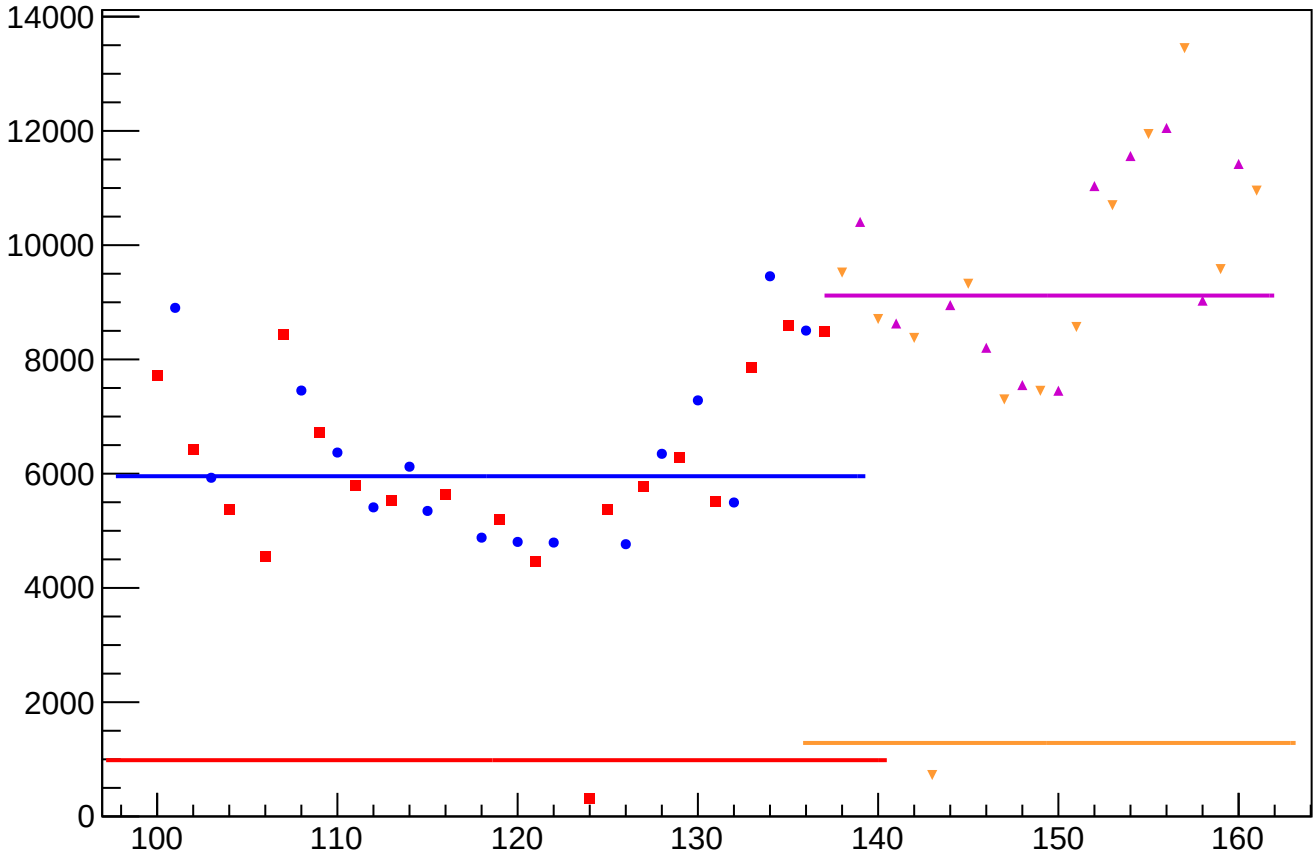
Left In: -2911.287+/-2998.726 χ^2/NDF:5.2/10

+ sign -1133.640+/-737.543 χ^2/NDF: 36.3/28

All: -907.381+/-523.769 χ^2/NDF: 60.3/58

- sign -677.180+/-743.940 χ^2/NDF: 23.8/29

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1286.692+/-0.551 χ^2/NDF:15034569.2/12

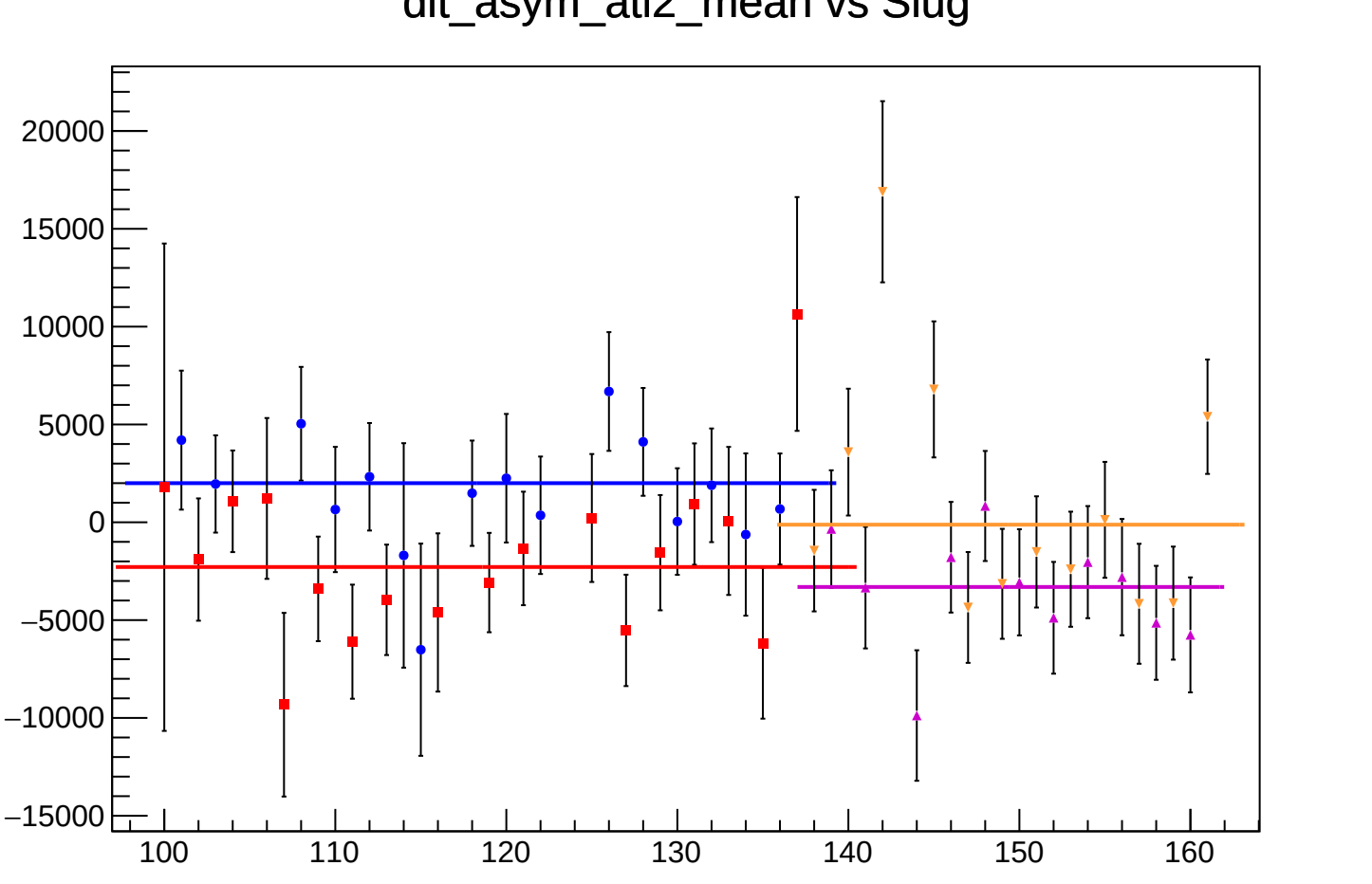
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9117.918+/-2.120 χ^2/NDF:510186.0/10

+ sign 1776.900+/-0.522 χ^2/NDF: 23255197.7/28

All: 1632.504+/-0.370 χ^2/NDF: 49138543.2/5

- sign 1485.593+/-0.526 χ^2/NDF: 25728691.6/29



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -122.938+/-885.281 χ^2/NDF:30.4/11

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

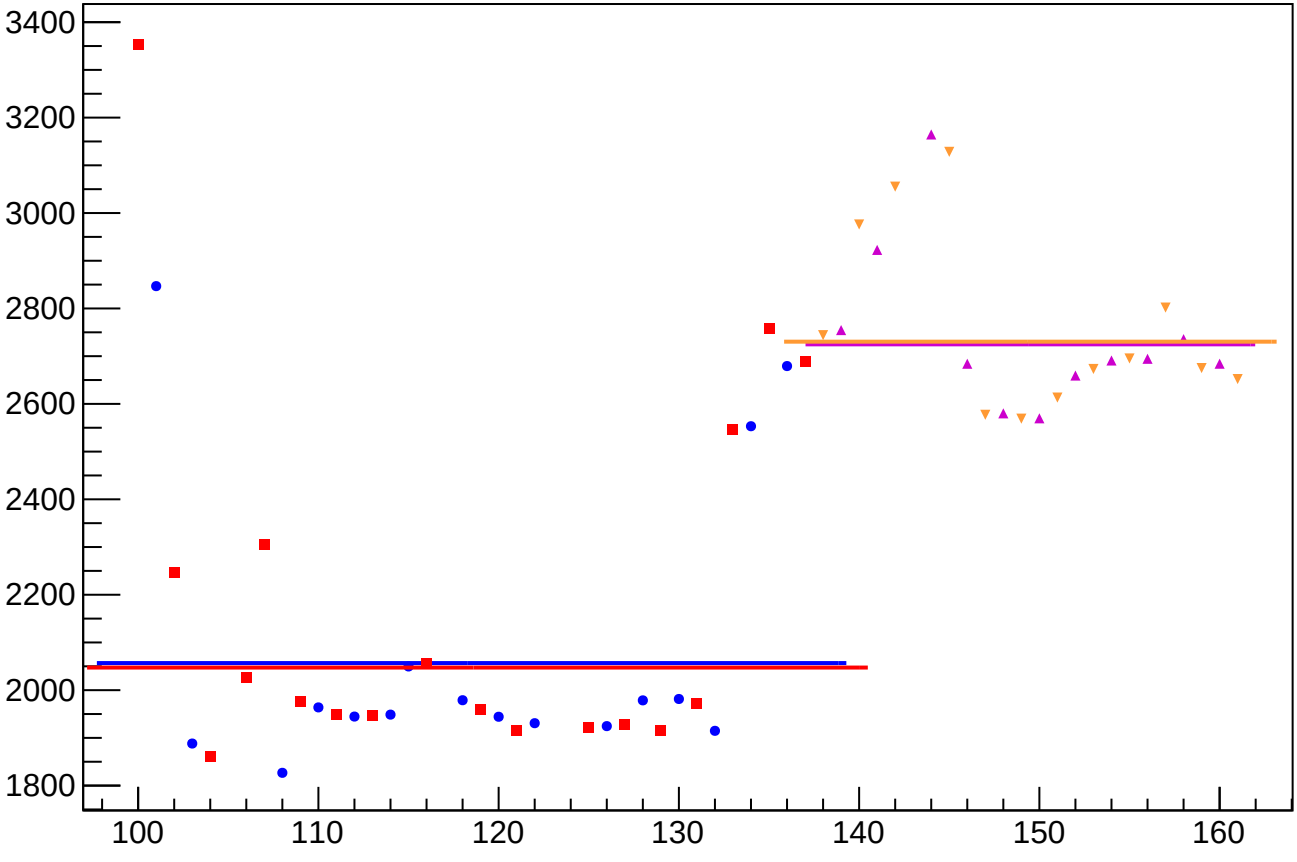
Left In: -3307.171+/-882.839 χ^2/NDF:8.9/10

+ sign 1080.447+/-582.499 χ^2/NDF: 42.7/27

All: -829.174+/-411.304 χ^2/NDF: 90.5/56

- sign -2727.981+/-580.848 χ^2/NDF: 26.4/28

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2730.403+/-0.626 χ^2/NDF:67693.9/11

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

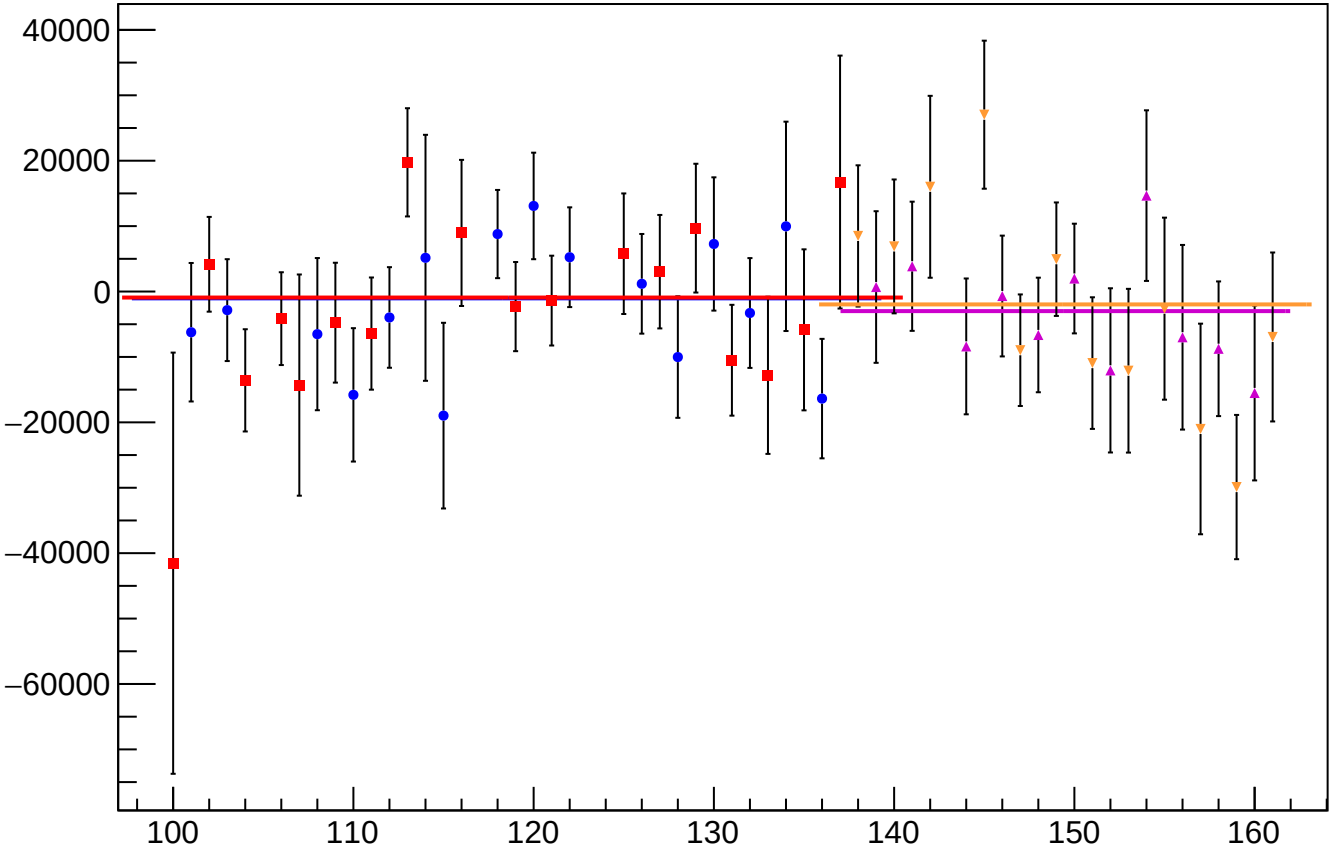
Left In: 2724.794+/-0.624 χ^2/NDF:57268.9/10

+ sign 2348.428+/-0.412 χ^2/NDF: 994762.1/27

All: 2344.261+/-0.291 χ^2/NDF: 1917404.2/56

- sign 2340.124+/-0.410 χ^2/NDF: 922438.1/28

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -1969.809+/-3200.303 χ^2/NDF:20.7/11

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

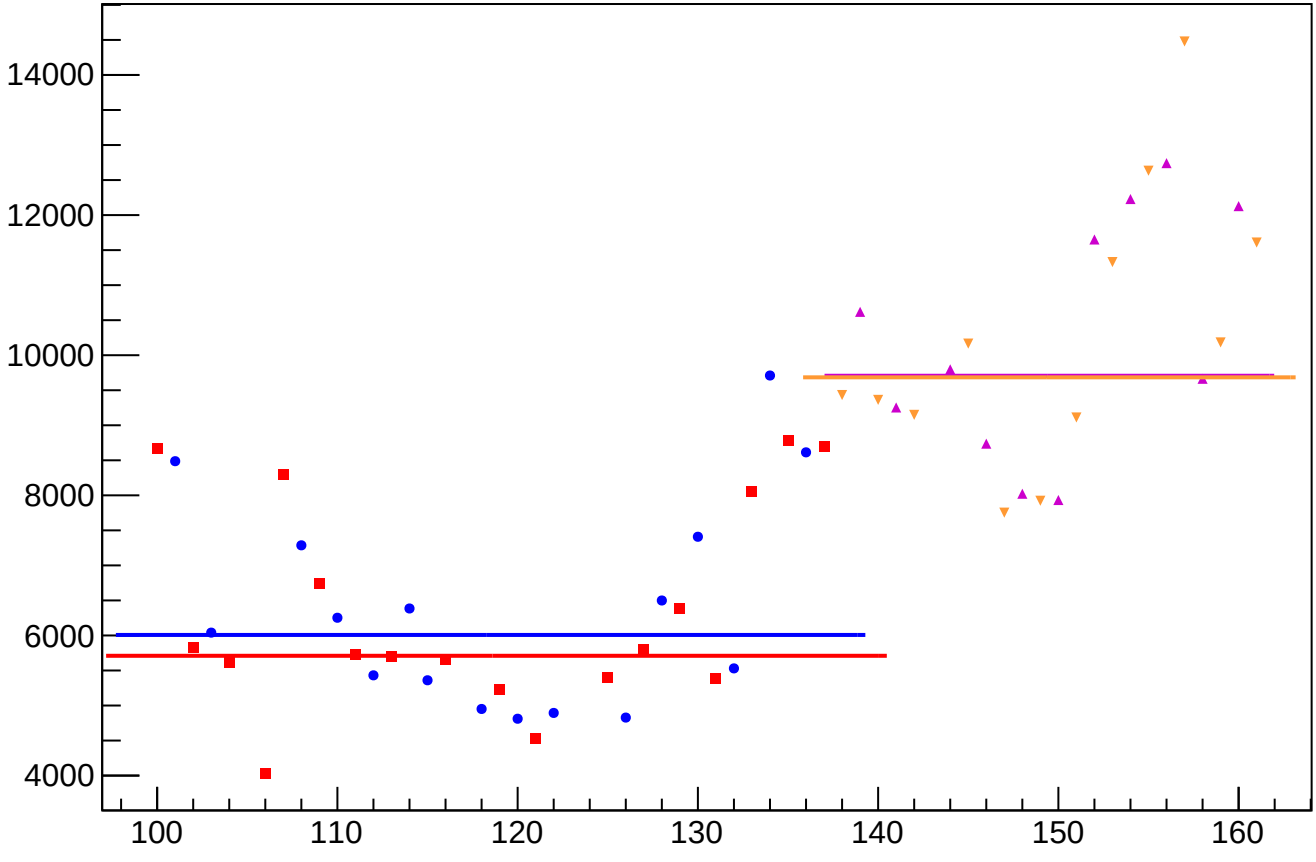
Left In: -2994.248+/-3190.584 χ^2/NDF:5.1/10

+ sign -1357.364+/-1864.804 χ^2/NDF: 36.0/27

All: -1467.317+/-1288.902 χ^2/NDF: 59.7/56

- sign -1567.889+/-1783.479 χ^2/NDF: 23.7/28

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9684.231+/-2.263 χ^2/NDF:551352.1/11

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

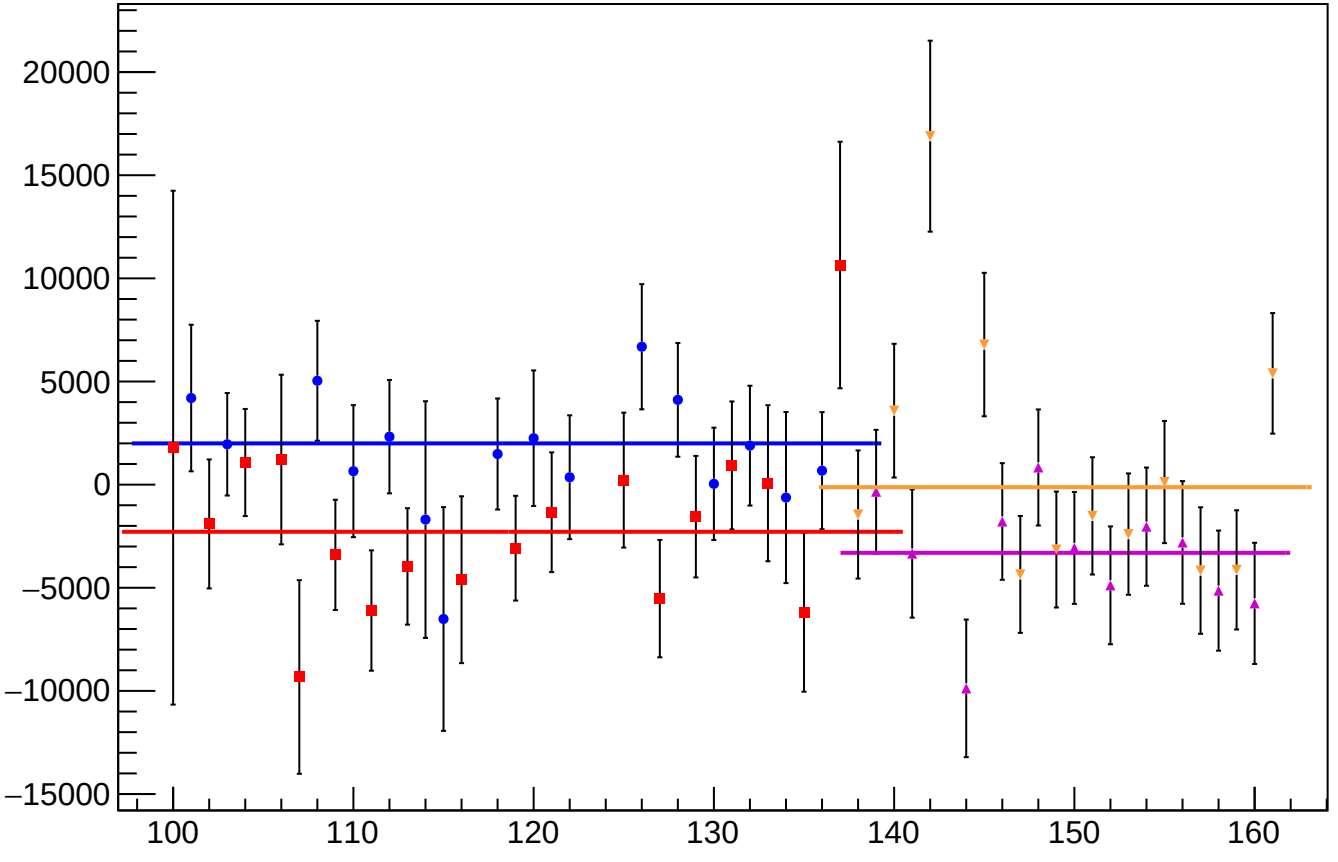
Left In: 9706.972+/-2.256 χ^2/NDF:483071.7/10

+ sign 7255.829+/-1.319 χ^2/NDF: 2948918.6/27

All: 7100.712+/-0.911 χ^2/NDF: 6152506.8/56

- sign 6958.830+/-1.261 χ^2/NDF: 3177092.4/28

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -122.944+/-885.282 χ^2/NDF:30.4/11

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

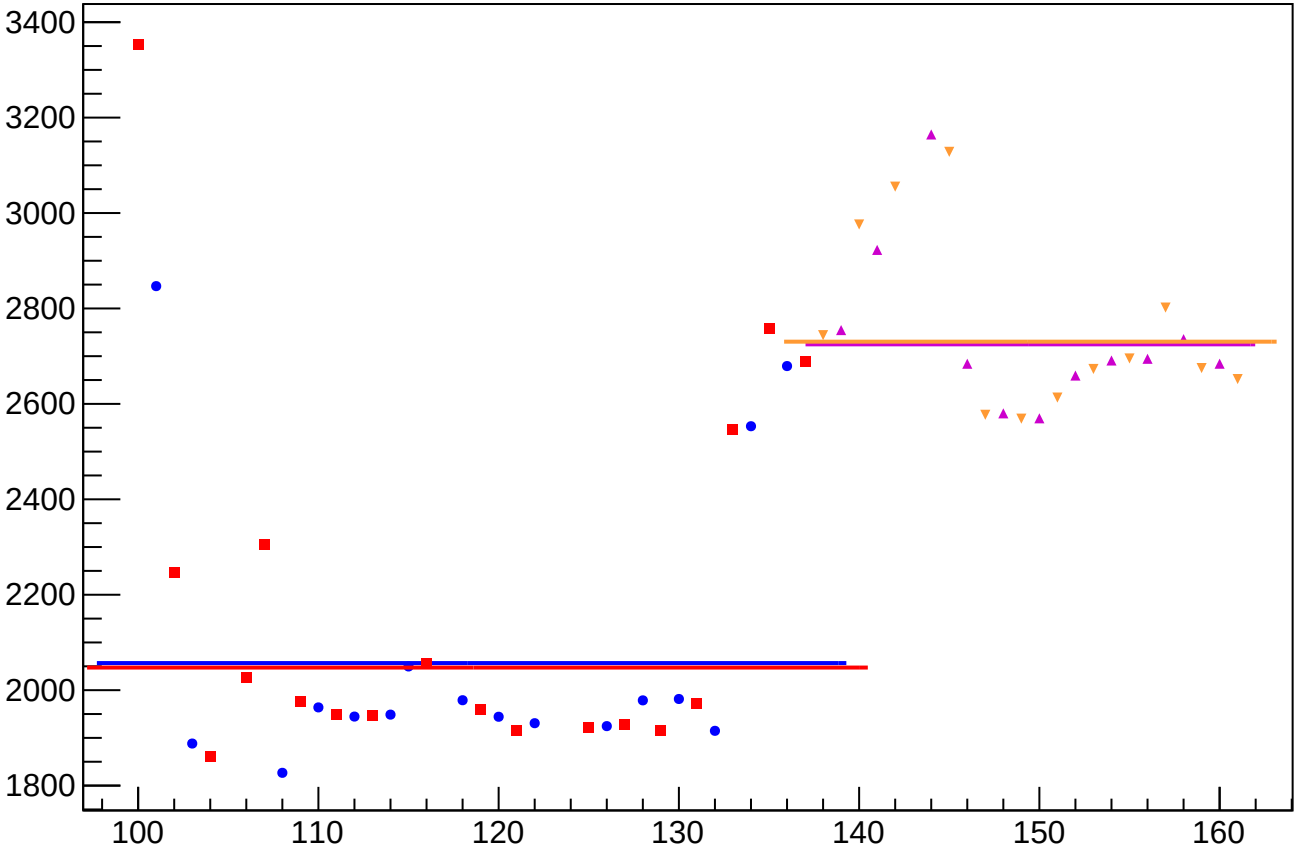
Left In: -3307.172+/-882.840 χ^2/NDF:8.9/10

+ sign 1080.448+/-582.500 χ^2/NDF: 42.7/27

All: -829.174+/-411.304 χ^2/NDF: 90.5/56

- sign -2727.983+/-580.848 χ^2/NDF: 26.4/28

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2730.406+/-0.626 χ^2/NDF:67695.1/11

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

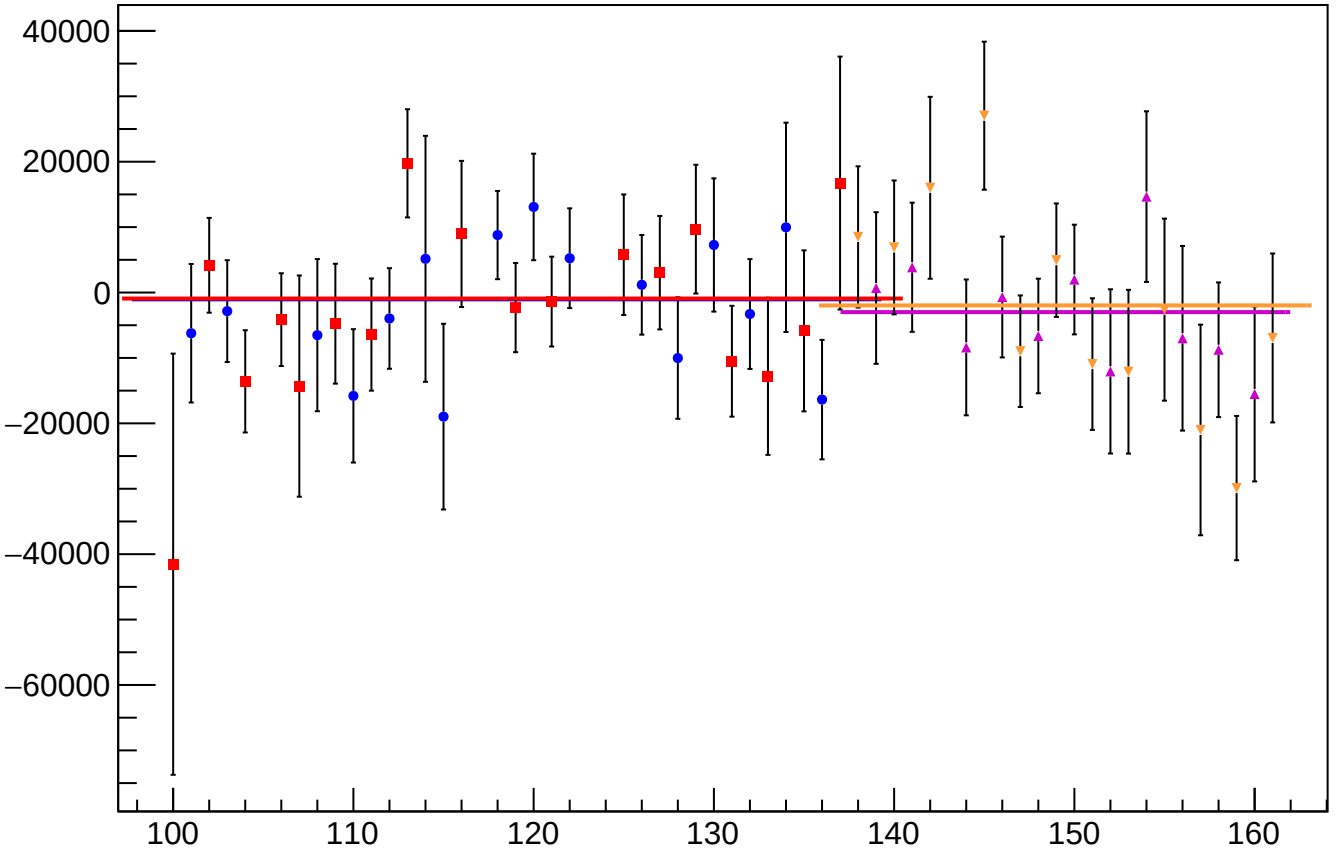
Left In: 2724.797+/-0.624 χ^2/NDF:57269.5/10

+ sign 2348.429+/-0.412 χ^2/NDF: 994767.9/27

All: 2344.262+/-0.291 χ^2/NDF: 1917416.1/56

- sign 2340.125+/-0.410 χ^2/NDF: 922444.2/28

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -1969.820+/-3200.307 χ^2/NDF:20.7/11

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

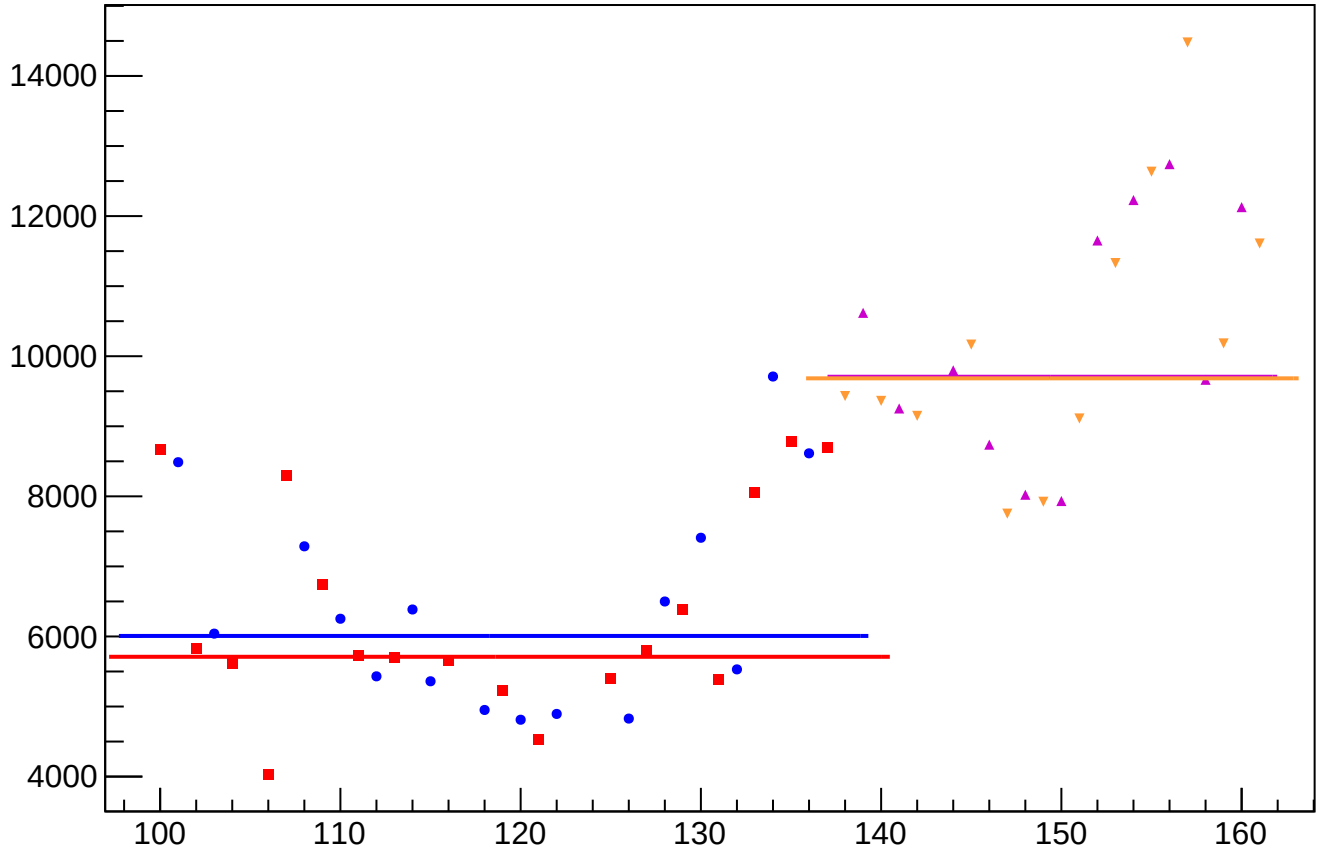
Left In: -2994.250+/-3190.588 χ^2/NDF:5.1/10

+ sign -1357.357+/-1864.801 χ^2/NDF: 36.0/27

All: -1467.314+/-1288.900 χ^2/NDF: 59.7/56

- sign -1567.889+/-1783.476 χ^2/NDF: 23.7/28

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9684.244+/-2.263 χ^2/NDF:551354.8/11

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

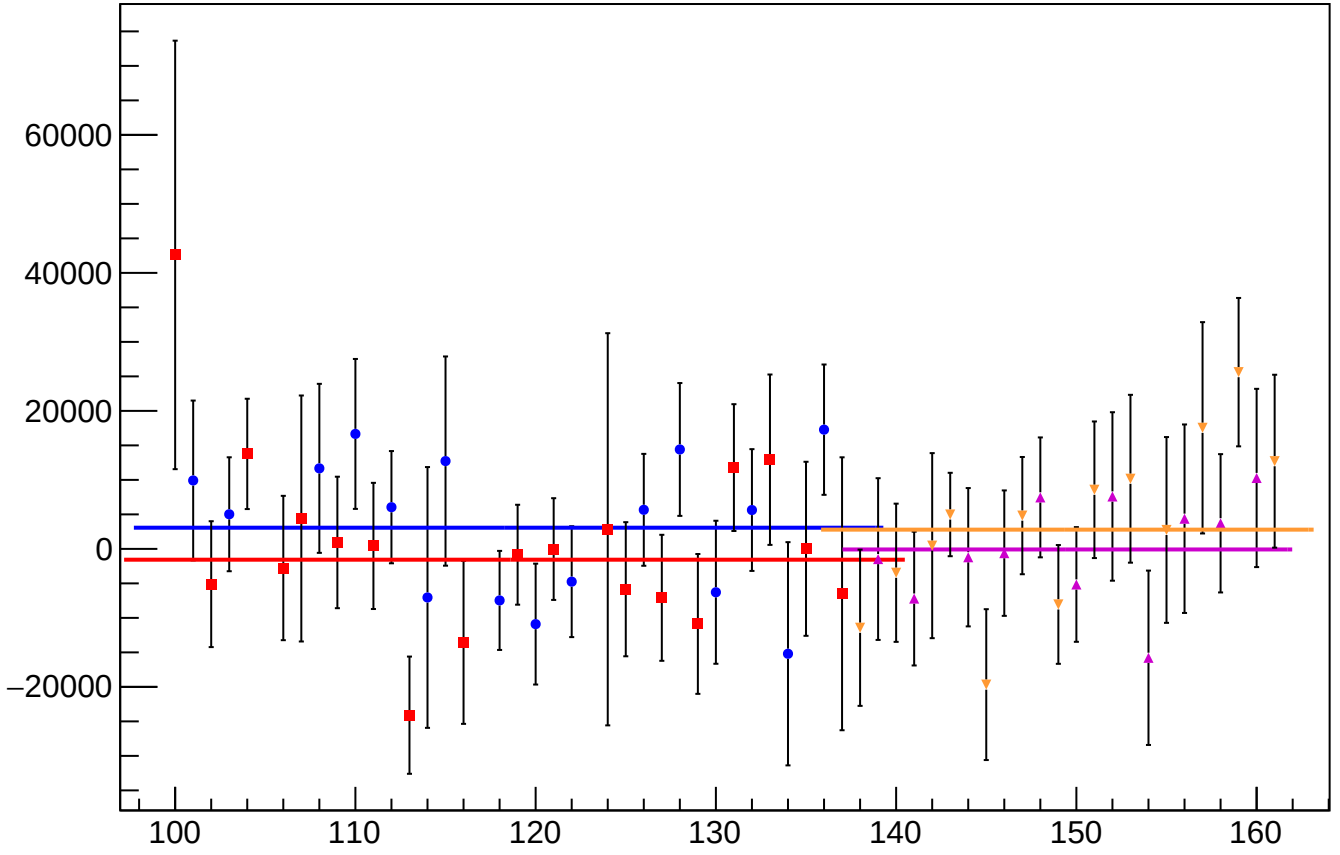
Left In: 9706.983+/-2.256 χ^2/NDF:483074.6/10

+ sign 7255.812+/-1.319 χ^2/NDF: 2948960.3/27

All: 7100.696+/-0.911 χ^2/NDF: 6152586.1/56

- sign 6958.814+/-1.261 χ^2/NDF: 3177130.1/28

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2788.323+/-2792.991 χ^2/NDF:14.8/12

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

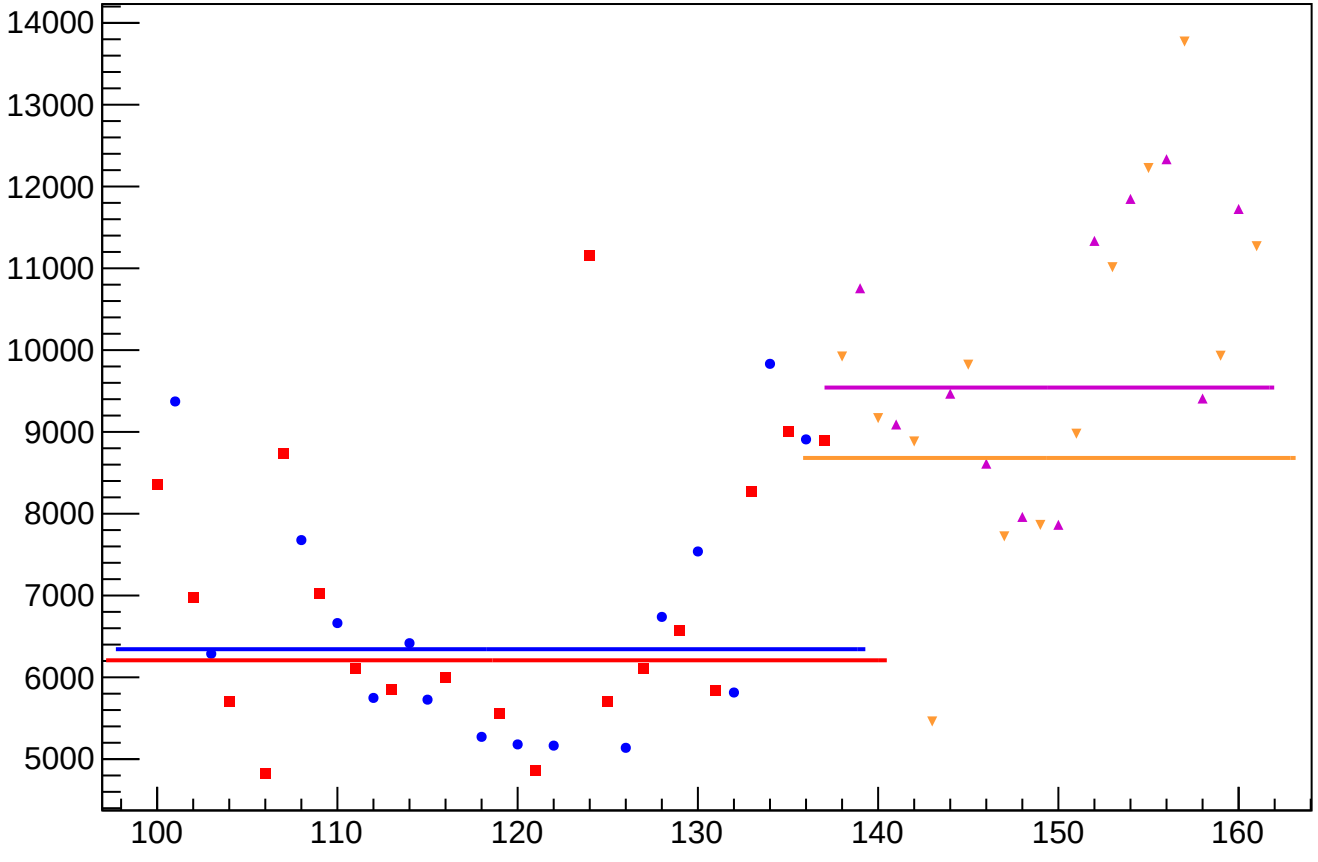
Left In: -83.870+/-3131.458 χ^2/NDF:4.5/10

+ sign 2949.339+/-1829.271 χ^2/NDF: 29.6/28

All: 1002.636+/-1308.454 χ^2/NDF: 55.8/58

- sign -1036.832+/-1872.348 χ^2/NDF: 23.9/29

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8681.777+/-1.975 χ^2/NDF:1209894.4/12

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

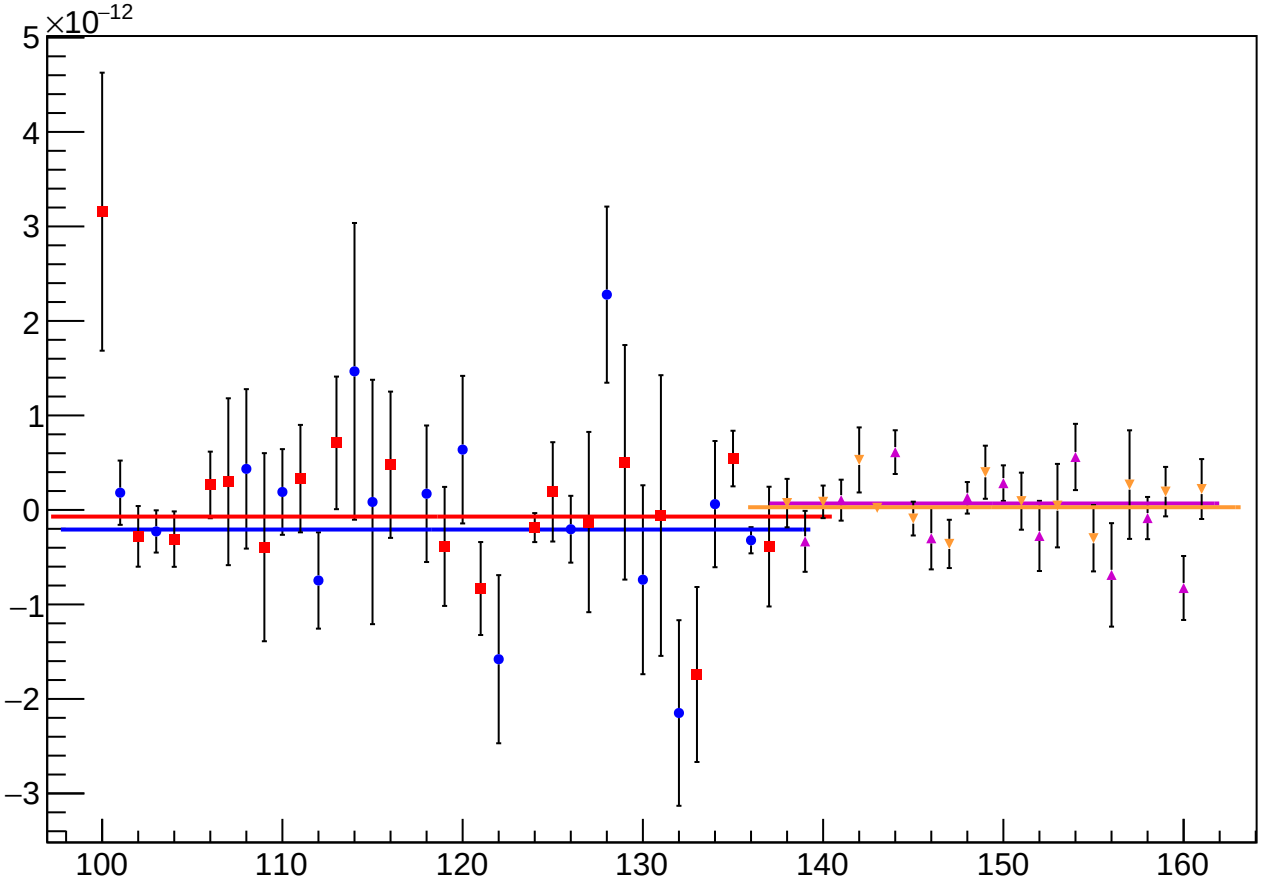
Left In: 9542.310+/-2.214 χ^2/NDF:445381.5/10

+ sign 7346.695+/-1.293 χ^2/NDF: 2631410.9/28

All: 7372.769+/-0.925 χ^2/NDF: 5006247.2/58

- sign 7400.086+/-1.324 χ^2/NDF: 2374004.2/29

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:8.6/12

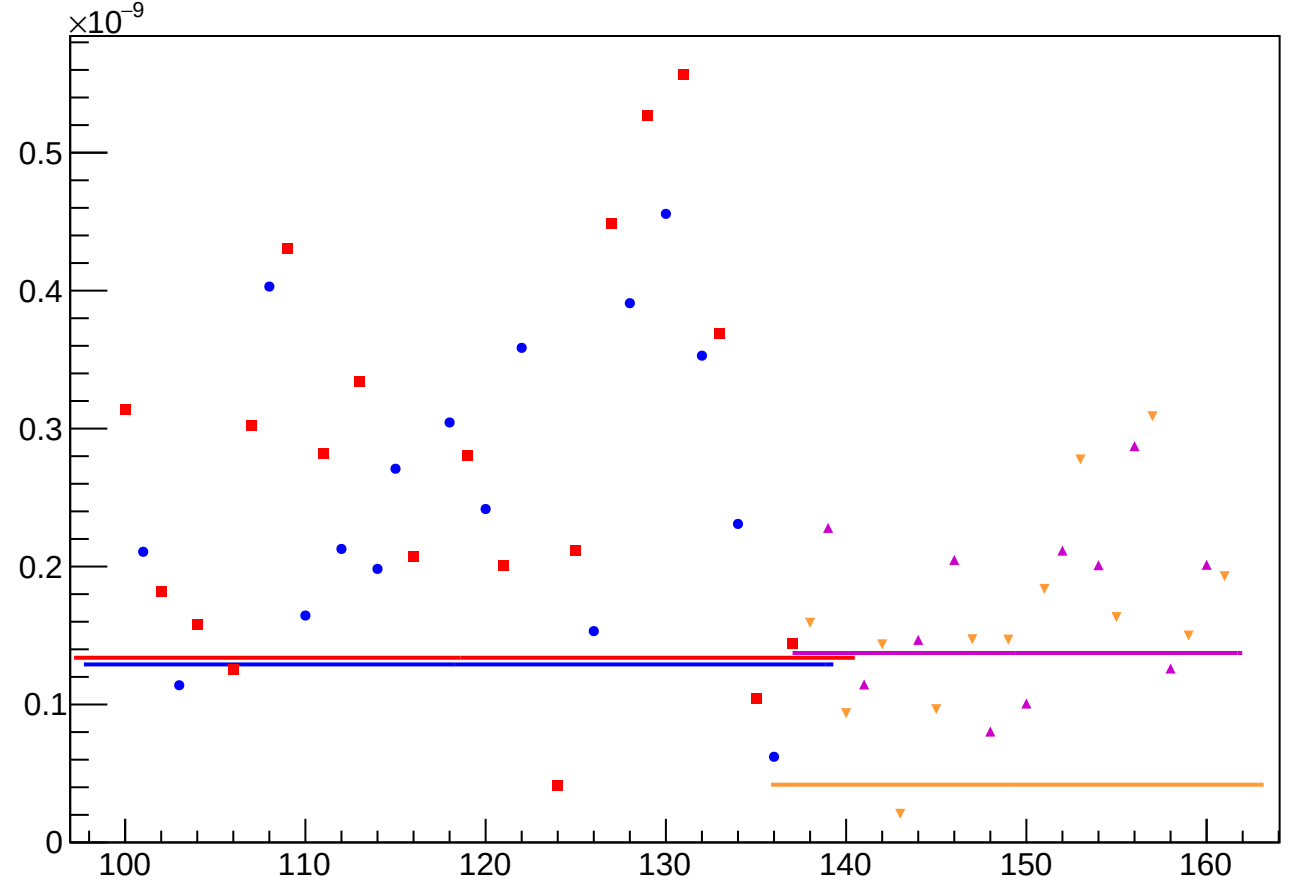
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:22.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/28

All: 0.000+/-0.000 χ^2/NDF: 79.2/58

- sign 0.000+/-0.000 χ^2/NDF: 44.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4765271.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

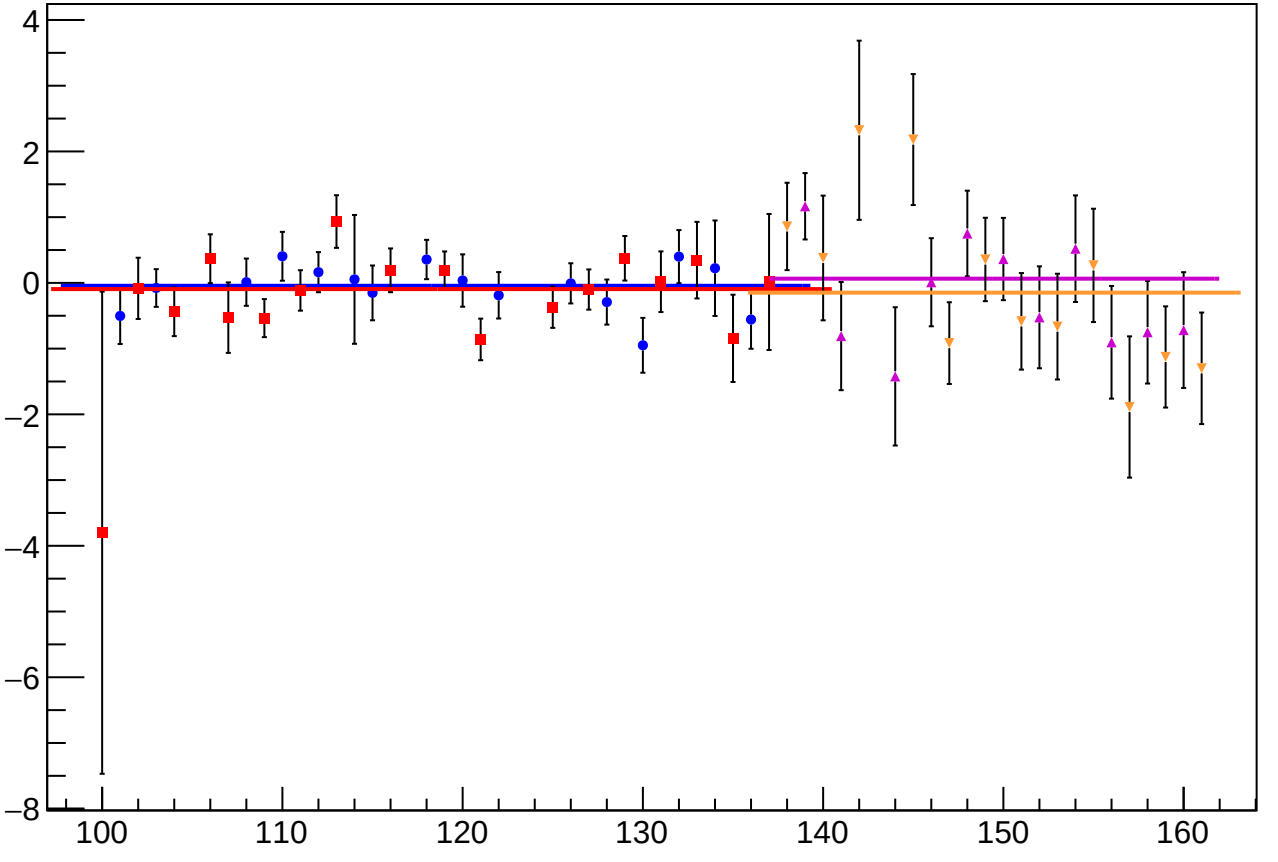
Left In: 0.000+/-0.000 χ^2/NDF:948065.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 7987543.2/28

All: 0.000+/-0.000 χ^2/NDF: 14453700.8/58

- sign 0.000+/-0.000 χ^2/NDF: 3254140.7/29

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.148+/-0.231 χ^2/NDF:20.6/11

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

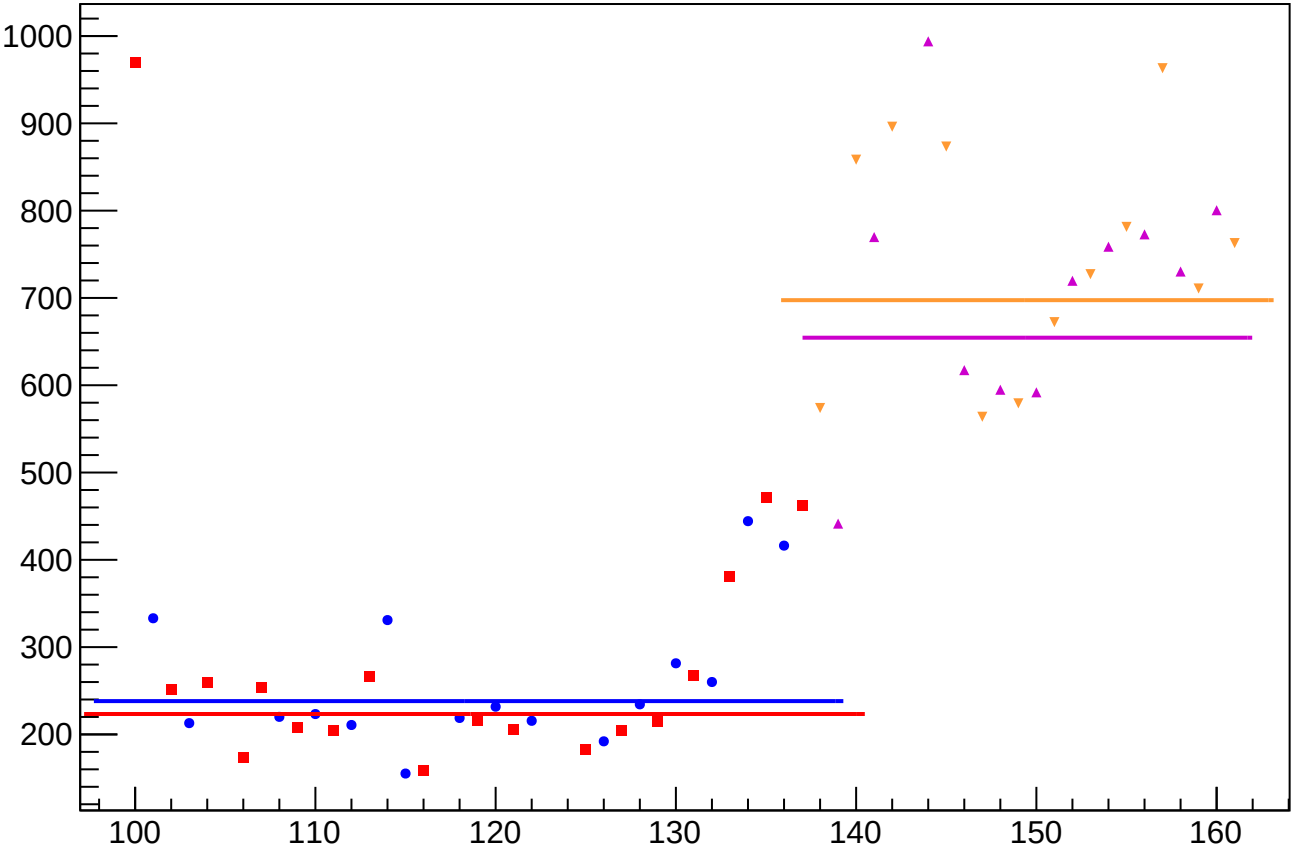
Left In: 0.064+/-0.219 χ^2/NDF:13.3/10

+ sign -0.059+/-0.087 χ^2/NDF: 33.9/27

All: -0.065+/-0.060 χ^2/NDF: 72.9/56

- sign -0.071+/-0.083 χ^2/NDF: 39.0/28

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 697.451+/-0.164 χ^2/NDF:552099.7/11

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

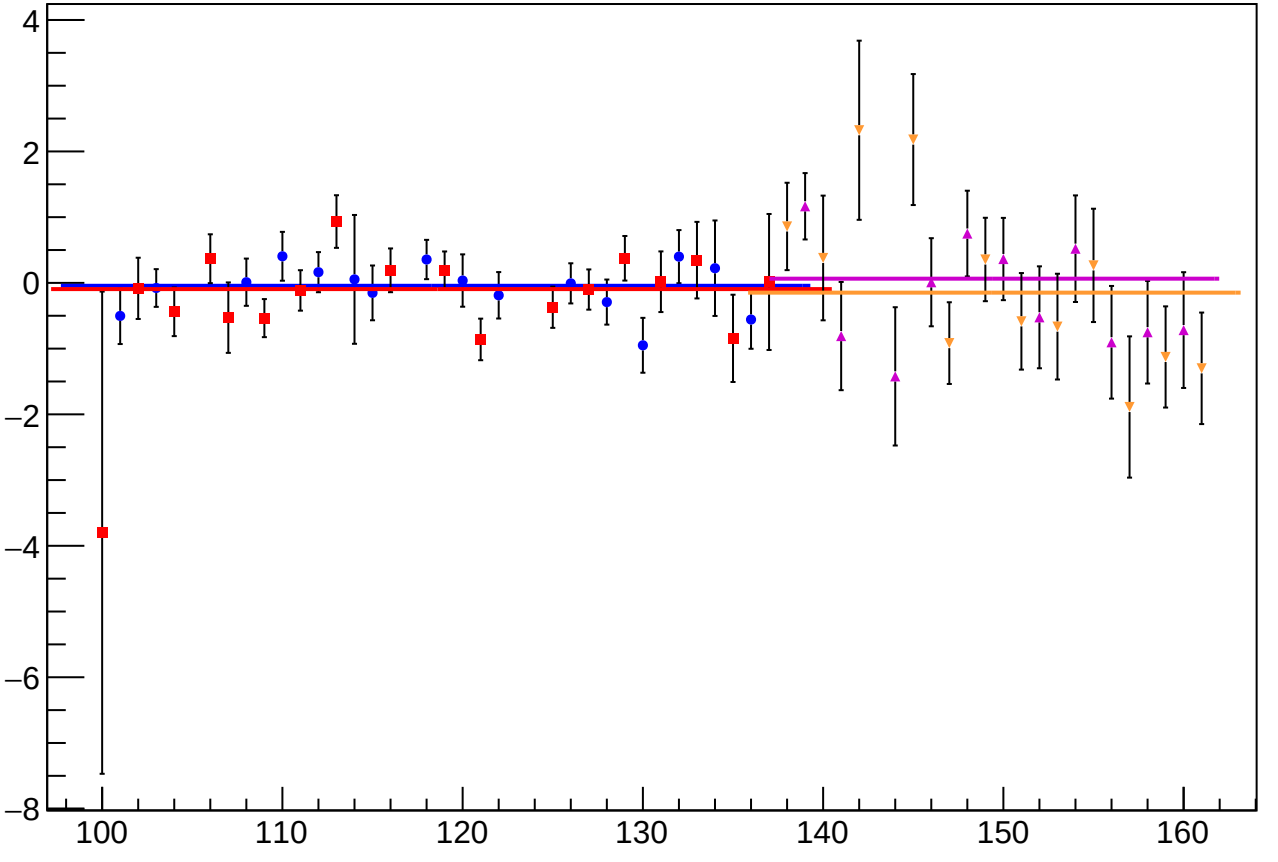
Left In: 654.456+/-0.155 χ^2/NDF:805318.2/10

+ sign 302.990+/-0.061 χ^2/NDF: 8127297.6/27

All: 294.053+/-0.043 χ^2/NDF: 16479287.0/56

- sign 285.855+/-0.059 χ^2/NDF: 8311458.8/28

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.148+/-0.231 χ^2/NDF:20.6/11

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

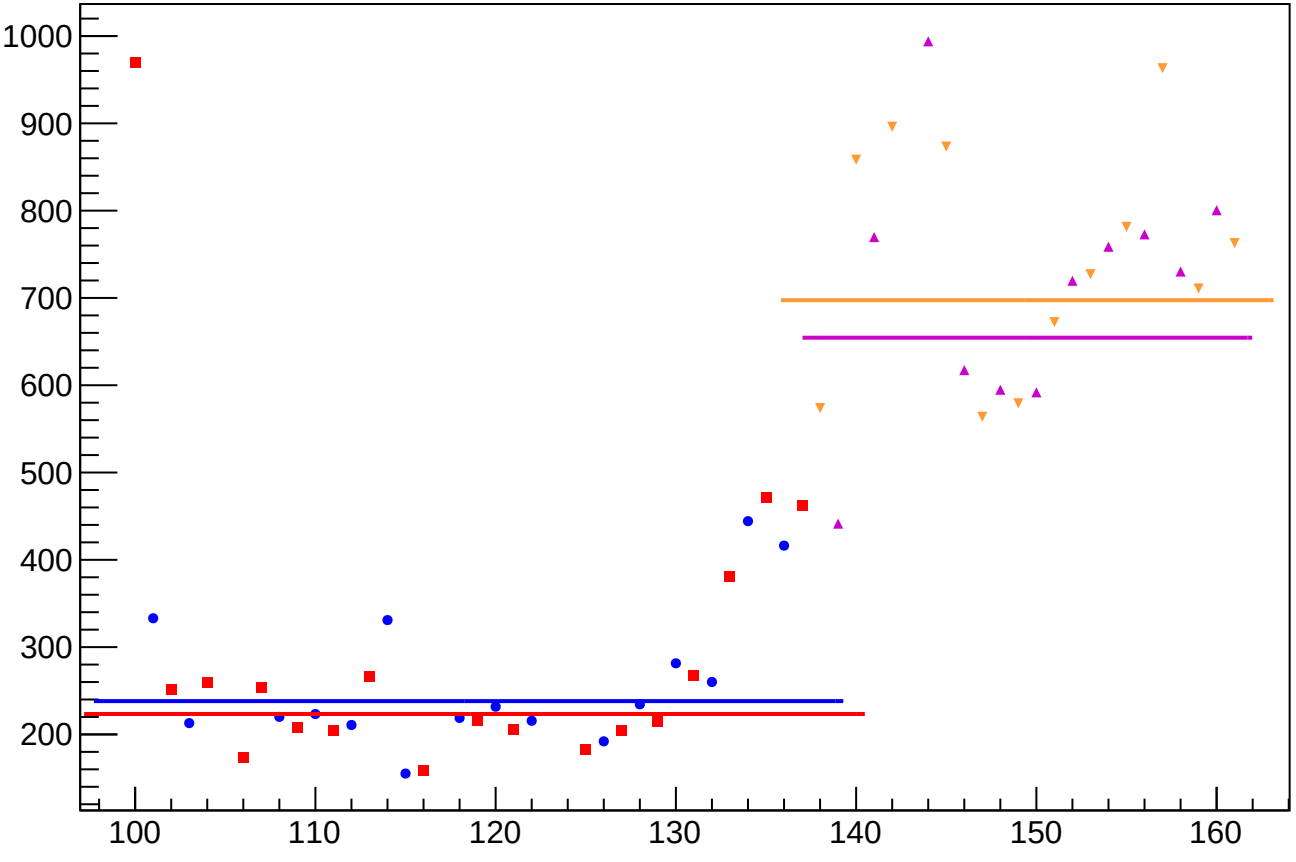
Left In: 0.064+/-0.219 χ^2/NDF:13.3/10

+ sign -0.059+/-0.087 χ^2/NDF: 33.9/27

All: -0.065+/-0.060 χ^2/NDF: 72.9/56

- sign -0.071+/-0.083 χ^2/NDF: 39.0/28

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 697.451+/-0.164 χ^2/NDF:552099.7/11

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

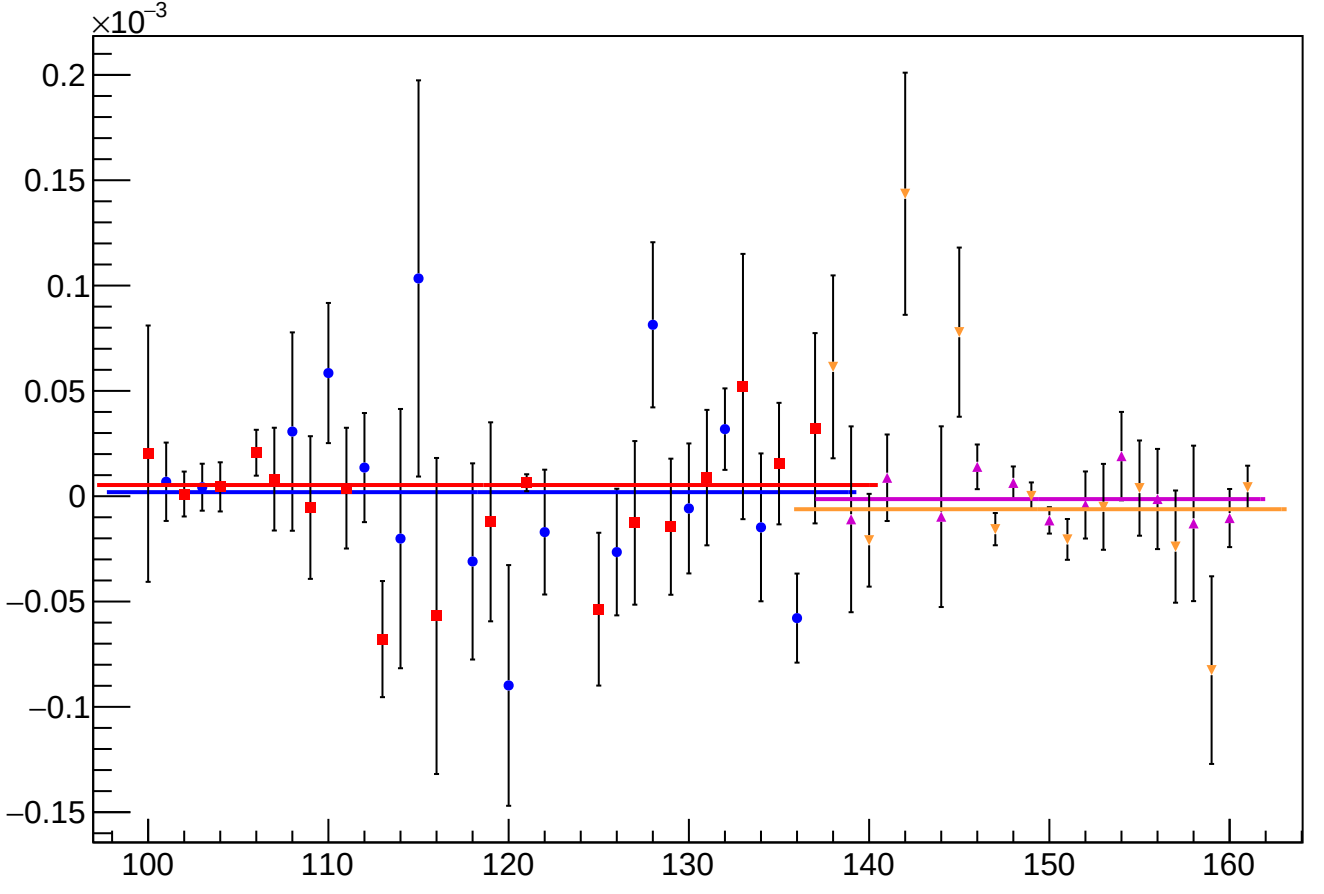
Left In: 654.456+/-0.155 χ^2/NDF:805318.2/10

+ sign 302.990+/-0.061 χ^2/NDF: 8127297.6/27

All: 294.053+/-0.043 χ^2/NDF: 16479287.0/56

- sign 285.855+/-0.059 χ^2/NDF: 8311458.8/28

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:23.3/11

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

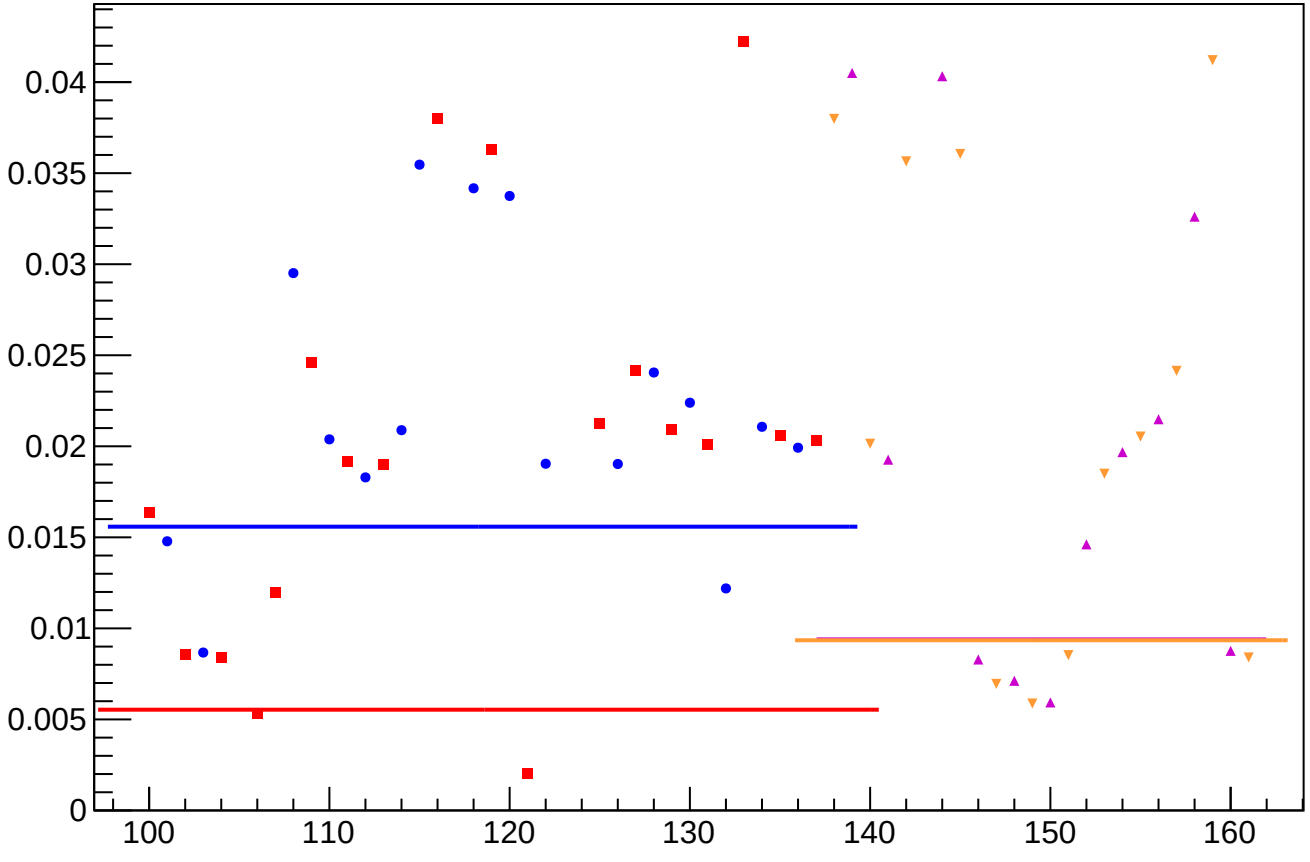
Left In: -0.000+/-0.000 χ^2/NDF:7.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 48.6/27

All: 0.000+/-0.000 χ^2/NDF: 75.1/56

- sign 0.000+/-0.000 χ^2/NDF: 23.8/28

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:5997781.2/11

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

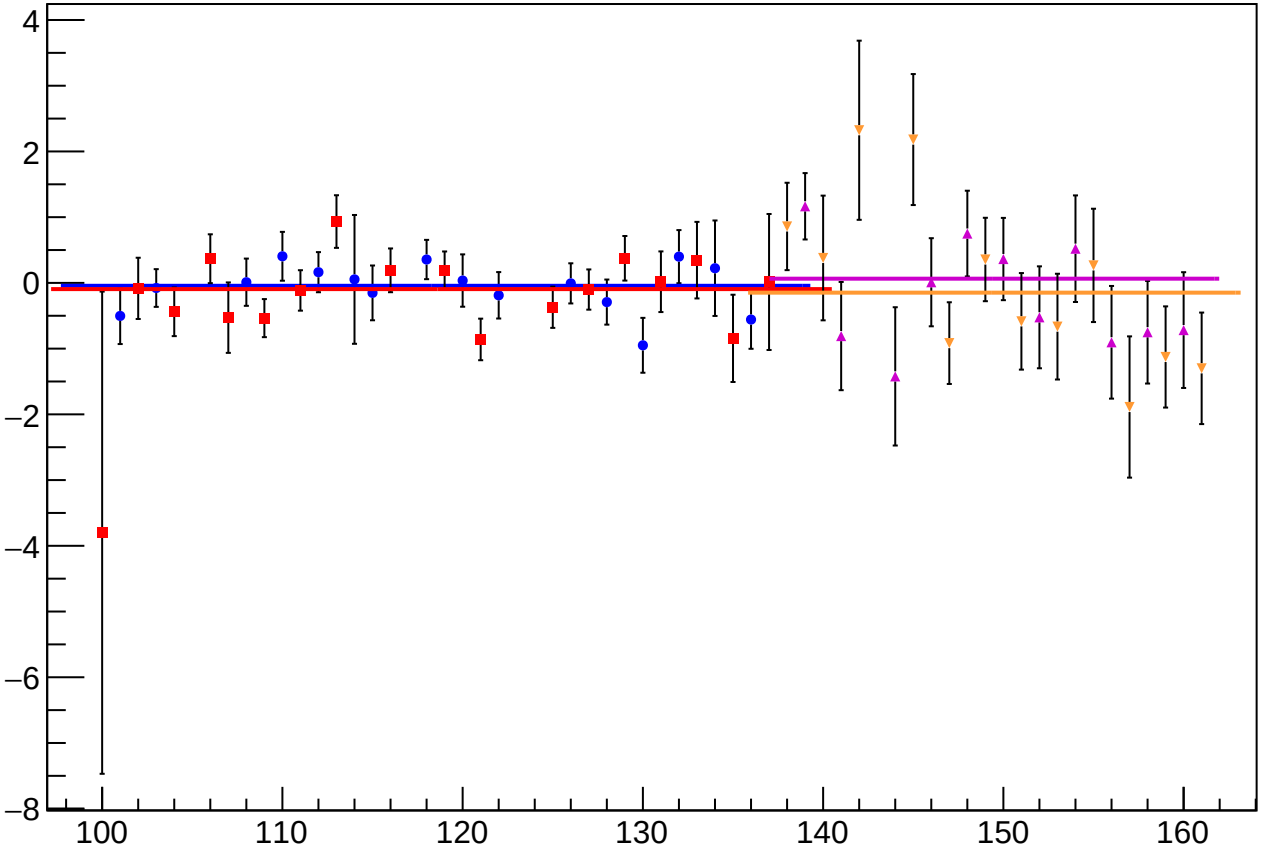
Left In: 0.009+/-0.000 χ^2/NDF:5306331.3/10

+ sign 0.011+/-0.000 χ^2/NDF: 9495482.1/27

All: 0.009+/-0.000 χ^2/NDF: 25733463.2/56

- sign 0.007+/-0.000 χ^2/NDF: 14458479.6/28

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.148+/-0.231 χ^2/NDF:20.6/11

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

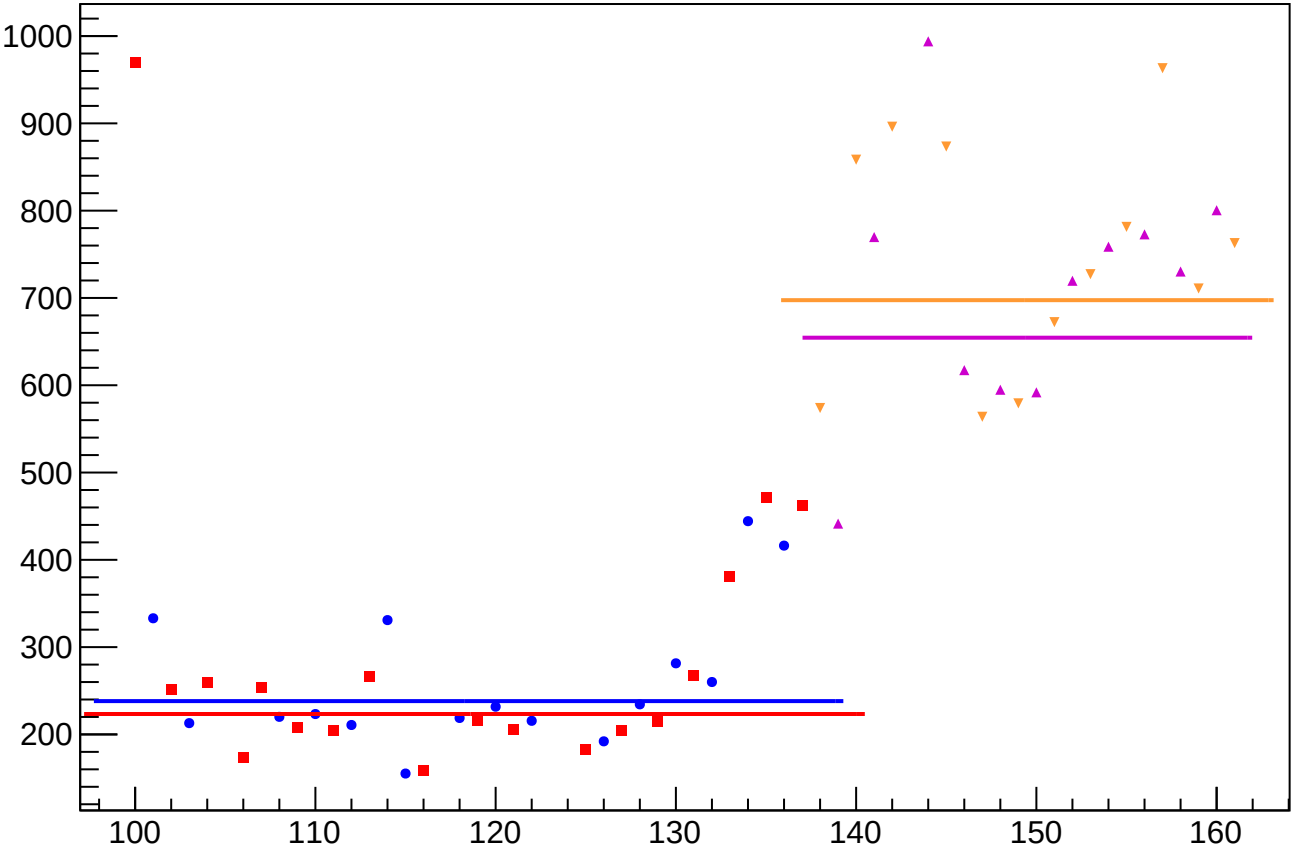
Left In: 0.064+/-0.219 χ^2/NDF:13.3/10

+ sign -0.059+/-0.087 χ^2/NDF: 33.9/27

All: -0.065+/-0.060 χ^2/NDF: 72.9/56

- sign -0.071+/-0.083 χ^2/NDF: 39.0/28

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 697.457+/-0.164 χ^2/NDF:552148.0/11

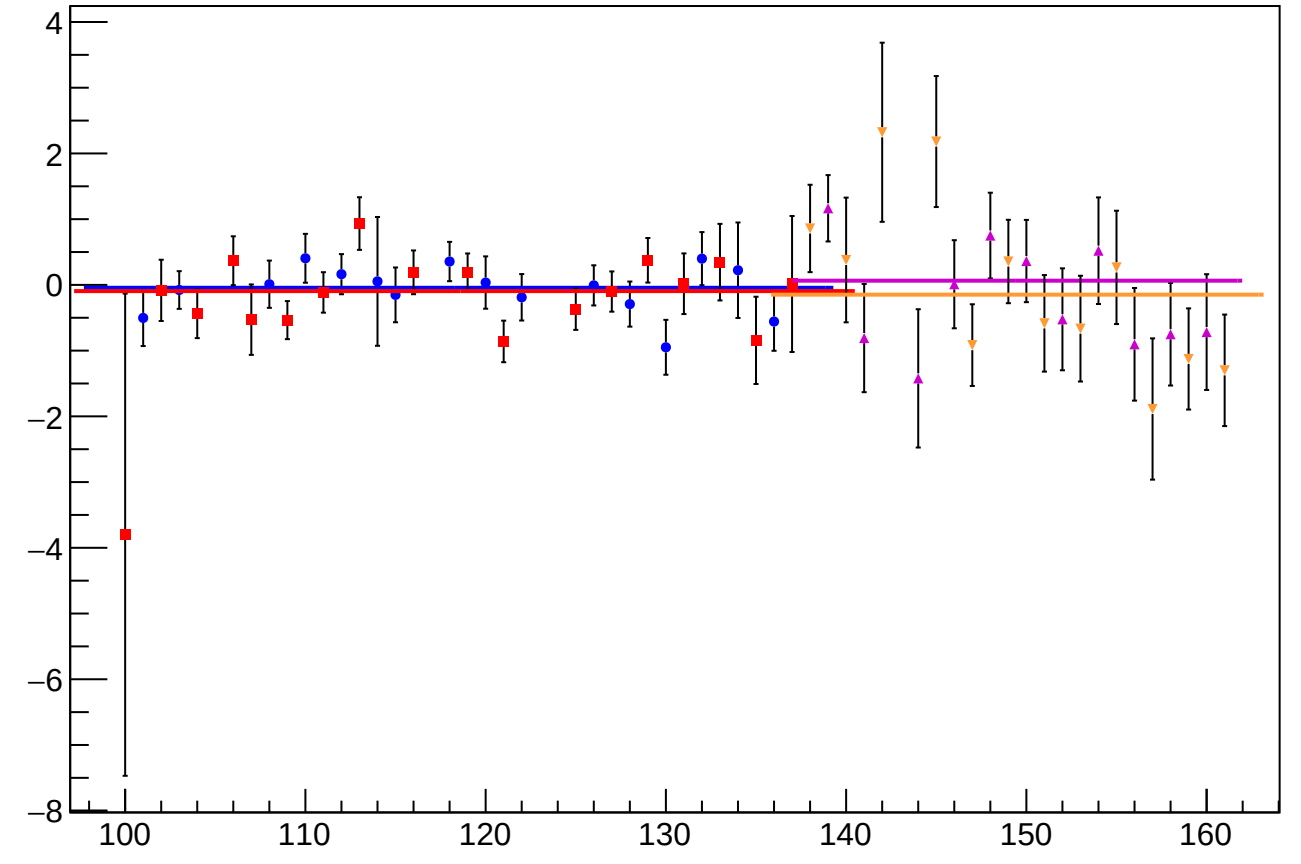
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 654.466+/-0.155 χ^2/NDF:805306.6/10

+ sign 302.991+/-0.061 χ^2/NDF: 8127361.8/27

All: 294.054+/-0.043 χ^2/NDF: 16479353.4/56

- sign 285.857+/-0.059 χ^2/NDF: 8311465.9/28



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.148+/-0.231 χ^2/NDF:20.6/11

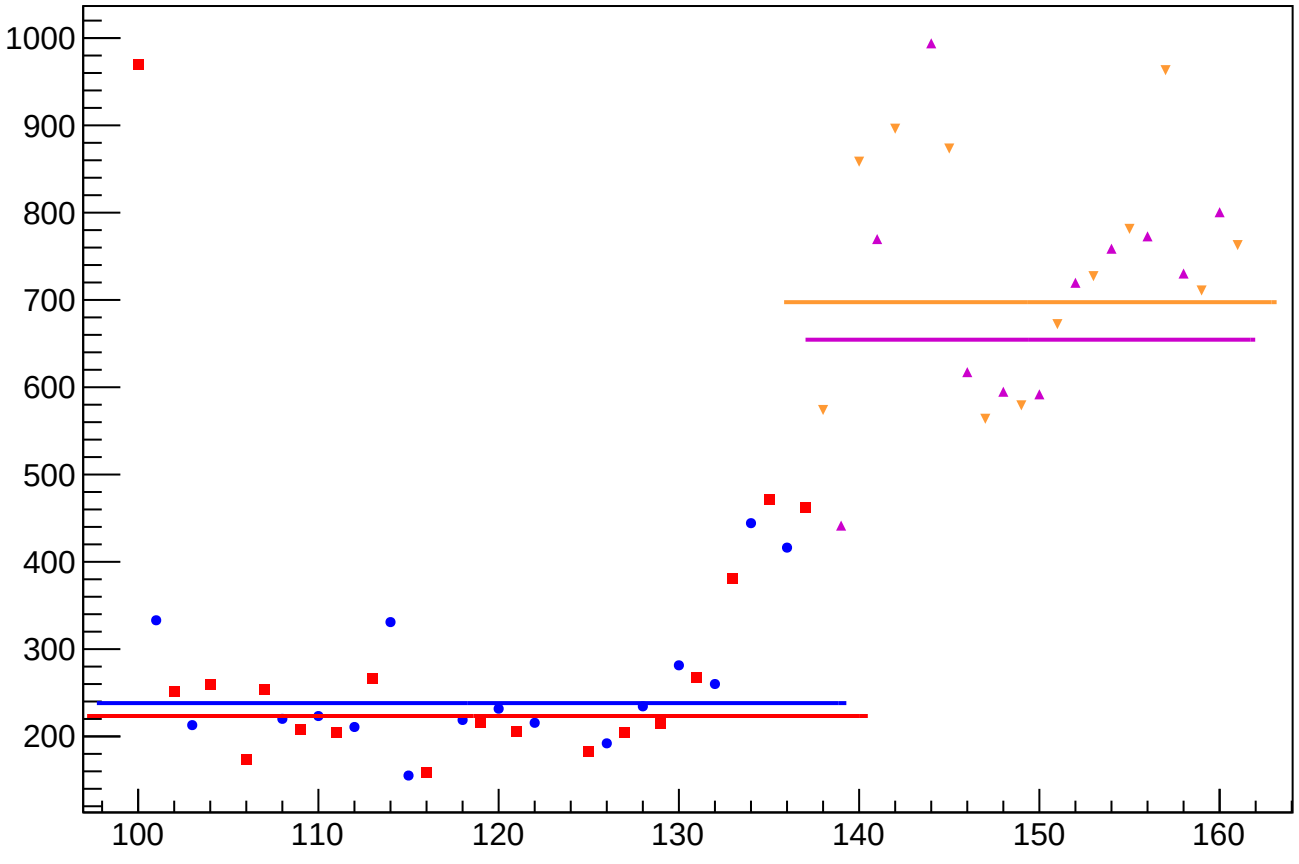
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.064+/-0.219 χ^2/NDF:13.3/10

+ sign -0.059+/-0.087 χ^2/NDF: 33.9/27

All: -0.065+/-0.060 χ^2/NDF: 72.9/56

- sign -0.071+/-0.083 χ^2/NDF: 39.0/28



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 697.457+/-0.164 χ^2/NDF:552148.0/11

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

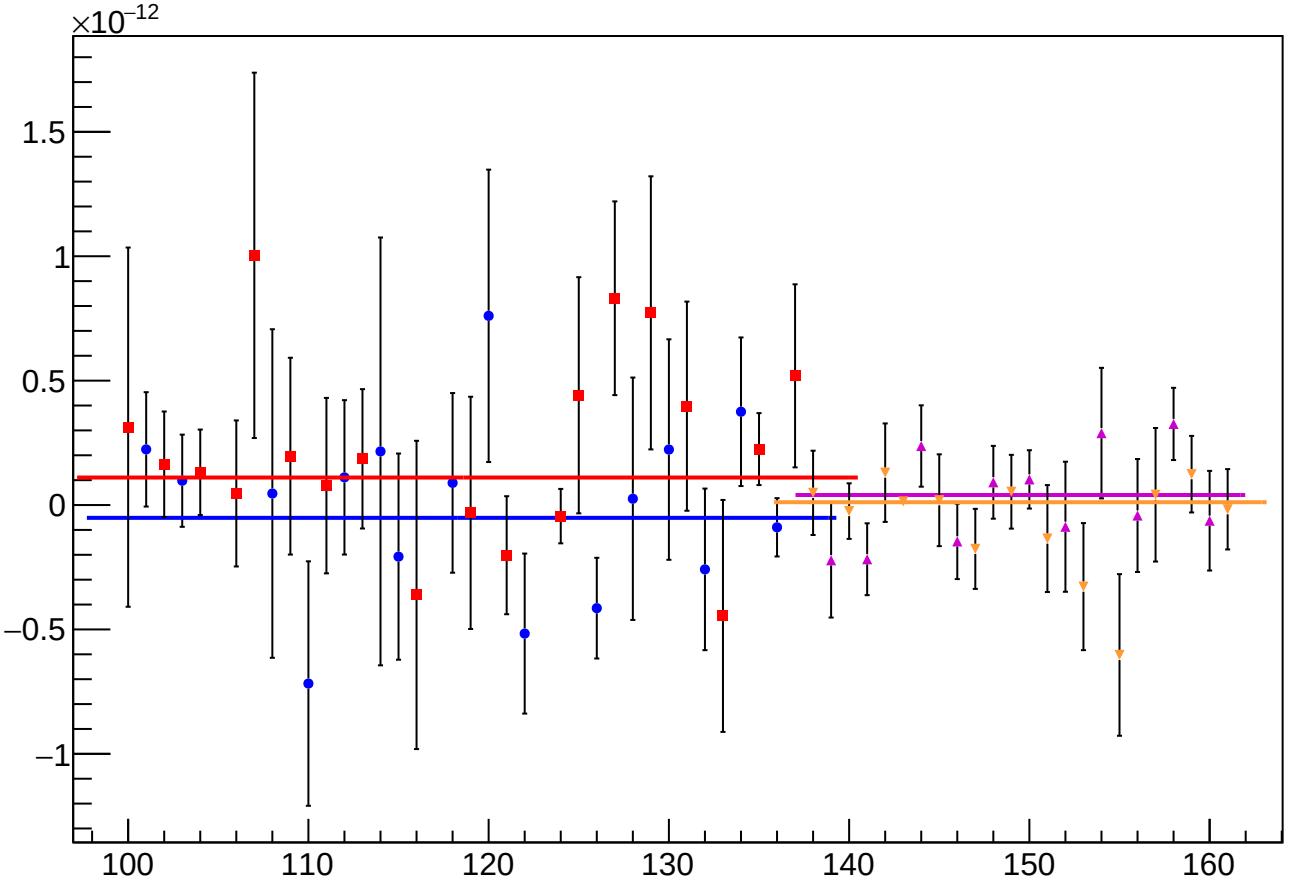
Left In: 654.466+/-0.155 χ^2/NDF:805306.6/10

+ sign 302.991+/-0.061 χ^2/NDF: 8127361.8/27

All: 294.054+/-0.043 χ^2/NDF: 16479353.4/56

- sign 285.857+/-0.059 χ^2/NDF: 8311465.9/28

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:8.4/12

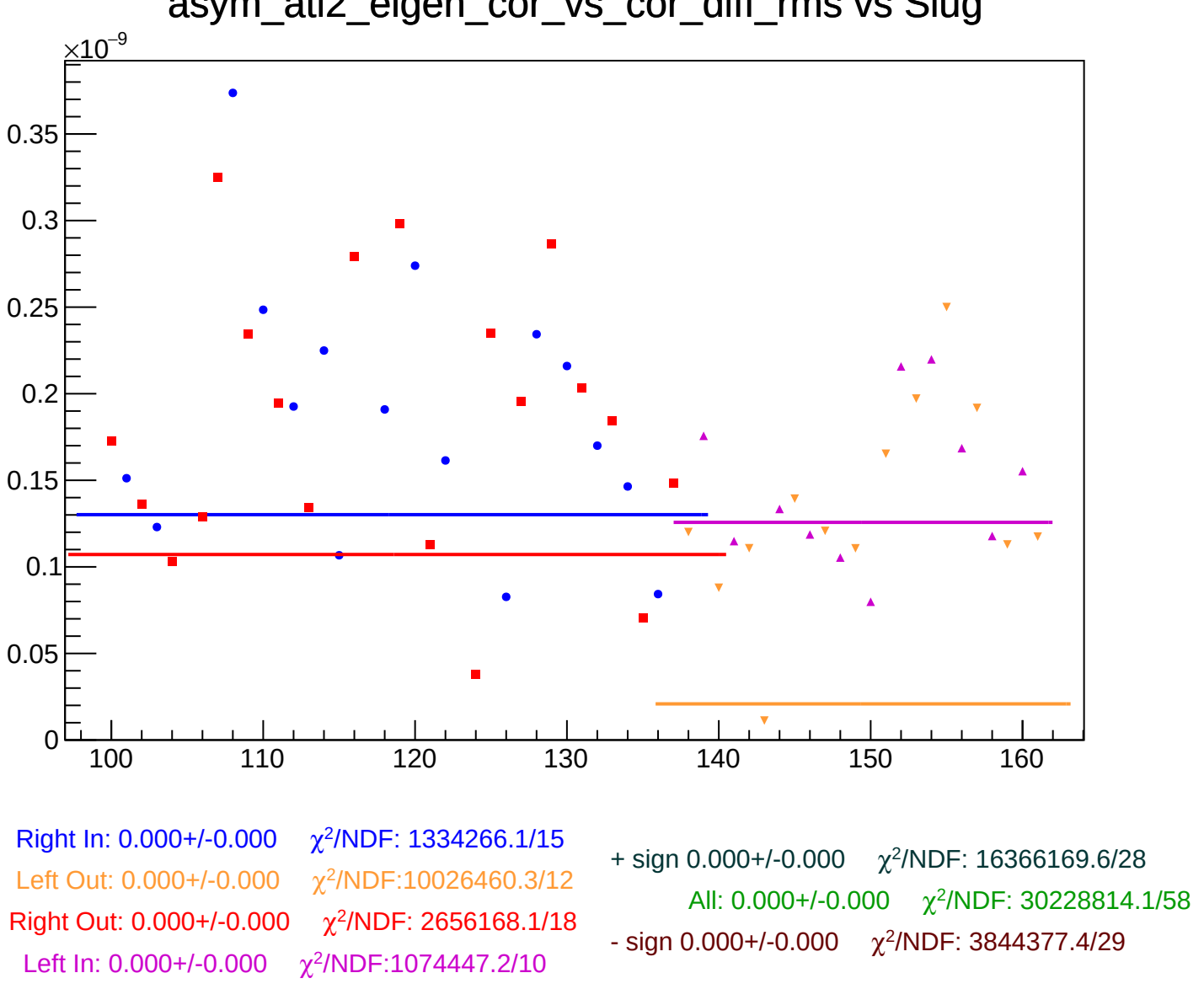
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.3/10

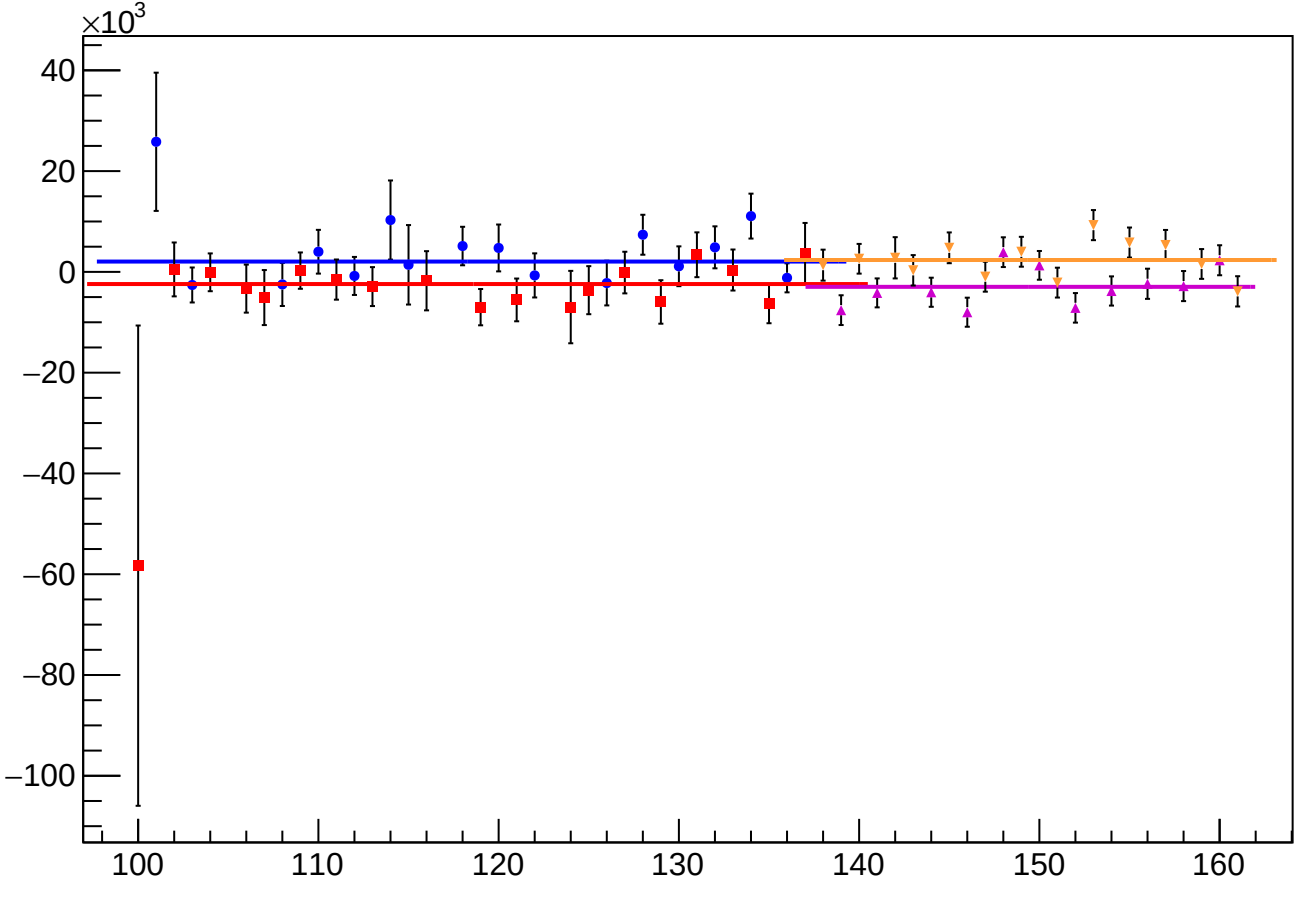
+ sign 0.000+/-0.000 χ^2/NDF: 24.0/28

All: 0.000+/-0.000 χ^2/NDF: 55.7/58

- sign 0.000+/-0.000 χ^2/NDF: 29.4/29


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
Right In: 0.000+/-0.000 χ²/NDF: 1334266.1/15
Left Out: 0.000+/-0.000 χ²/NDF:10026460.3/12
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:1074447.2/10
+ sign 0.000+/-0.000 χ²/NDF: 16366169.6/28
All: 0.000+/-0.000 χ²/NDF: 30228814.1/58
- sign 0.000+/-0.000 χ²/NDF: 3844377.4/29

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2357.815+/-845.144 χ^2/NDF:17.1/12

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

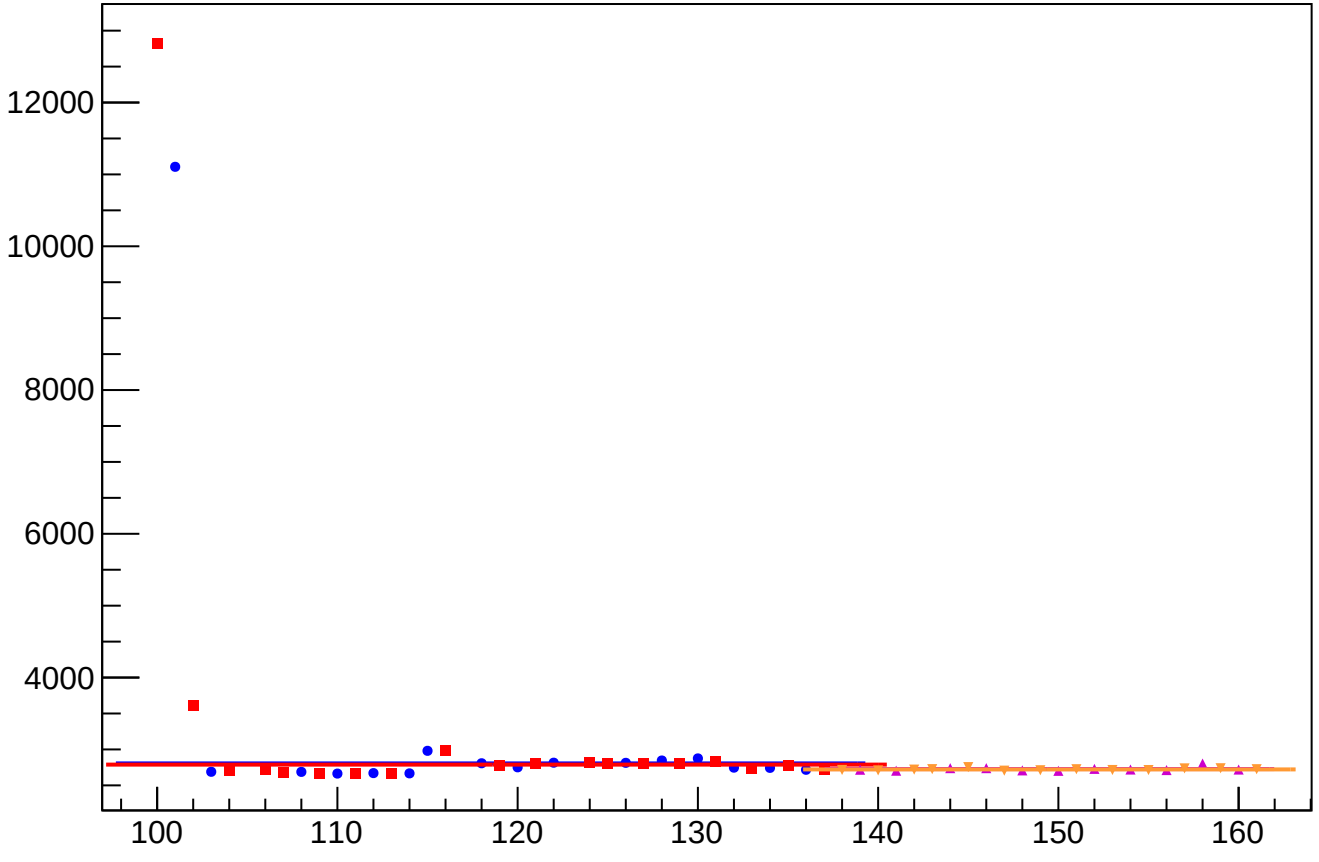
Left In: -2967.006+/-882.018 χ^2/NDF:18.8/10

+ sign 2239.416+/-663.310 χ^2/NDF: 35.0/28

All: -216.770+/-471.881 χ^2/NDF: 92.4/58

- sign -2733.577+/-671.446 χ^2/NDF: 29.7/29

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2721.985+/-0.598 χ^2/NDF:515.4/12

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

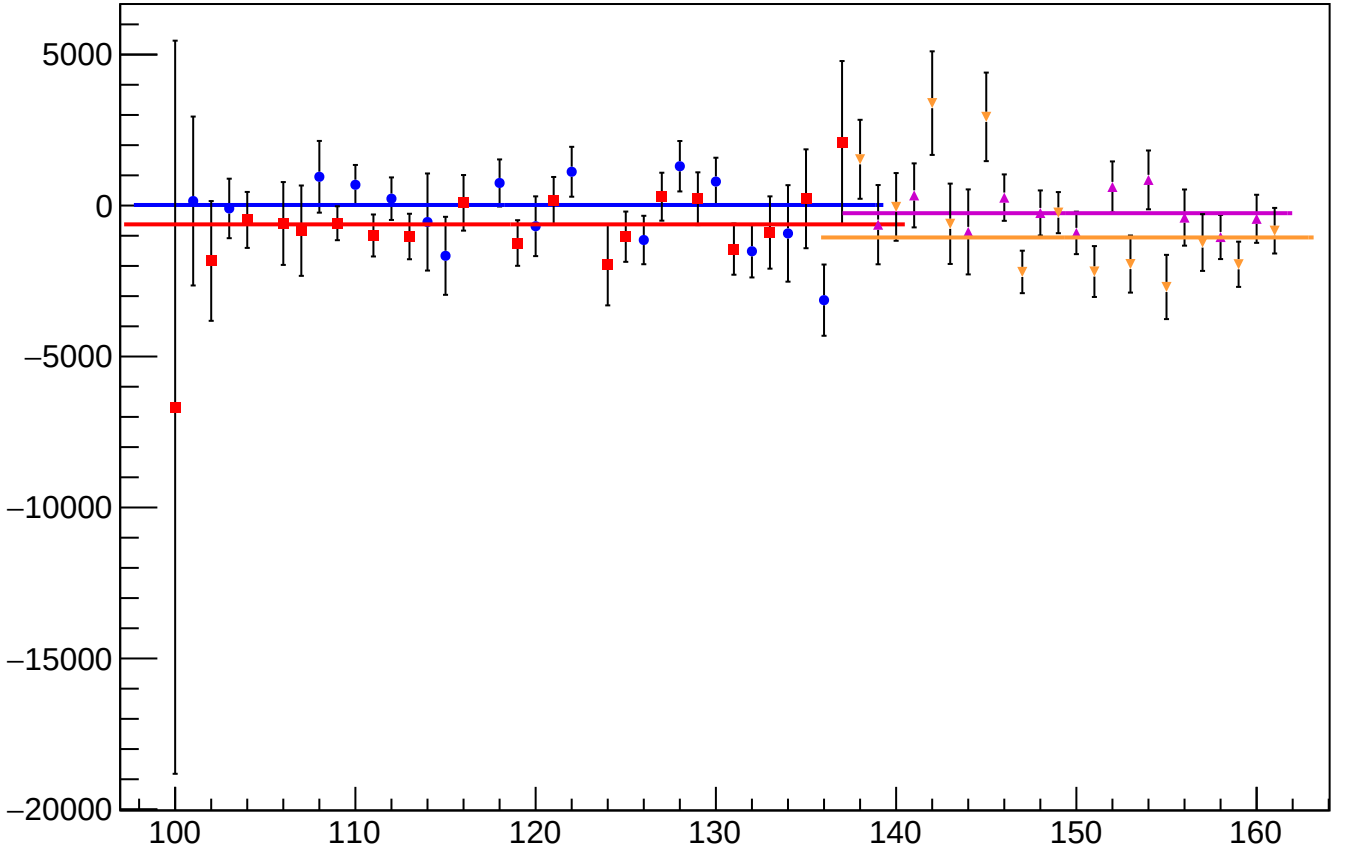
Left In: 2726.989+/-0.624 χ^2/NDF:1831.1/10

+ sign 2754.035+/-0.469 χ^2/NDF: 754246.0/28

All: 2753.518+/-0.334 χ^2/NDF: 907210.7/58

- sign 2752.988+/-0.475 χ^2/NDF: 152962.2/29

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -1056.618+/-258.132 χ^2/NDF:29.7/12

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

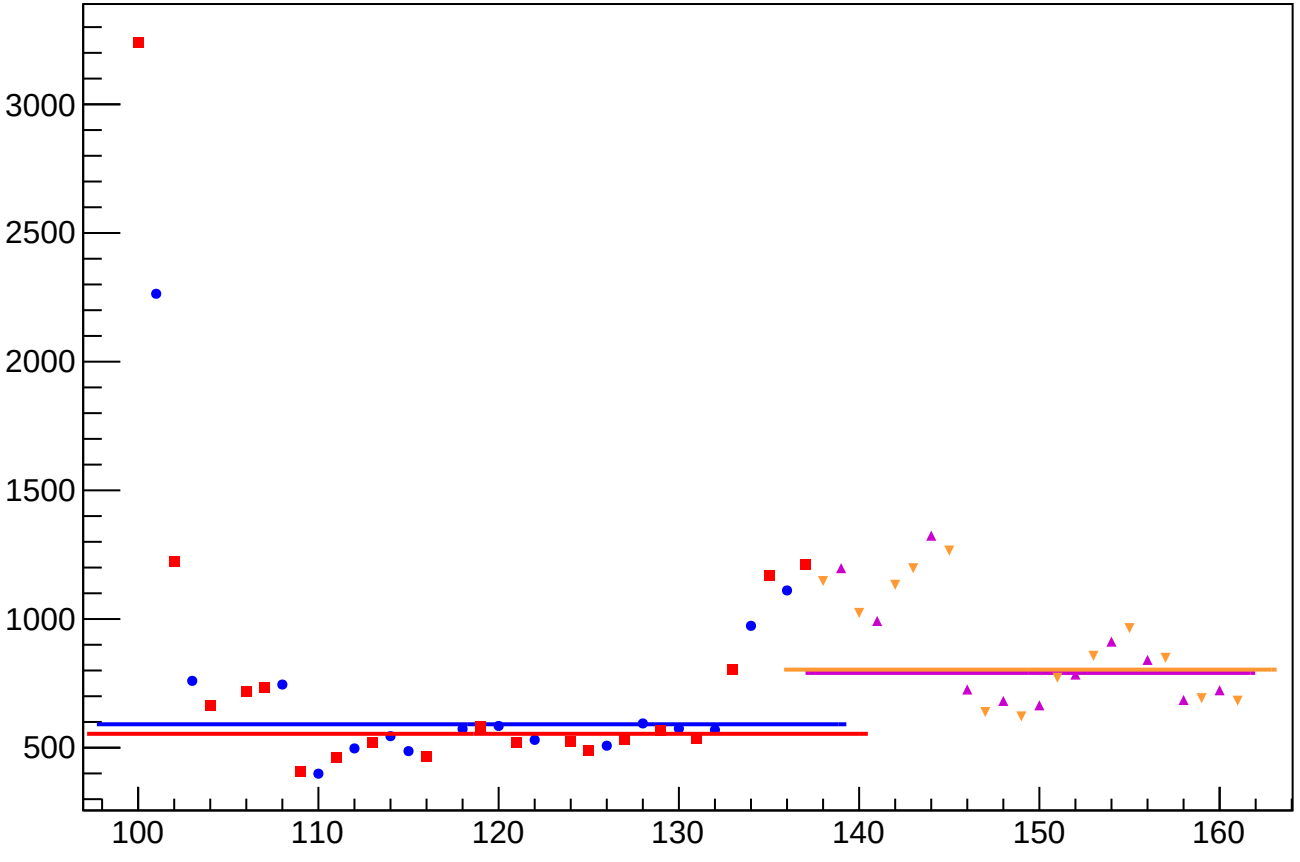
Left In: -253.074+/-262.218 χ^2/NDF:5.5/10

\+ sign -465.025+/-173.158 χ^2/NDF: 62.0/28

All: -469.457+/-120.091 χ^2/NDF: 77.9/58

\- sign -473.565+/-166.696 χ^2/NDF: 15.9/29

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 803.394+/-0.183 χ^2/NDF:1071188.2/12

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

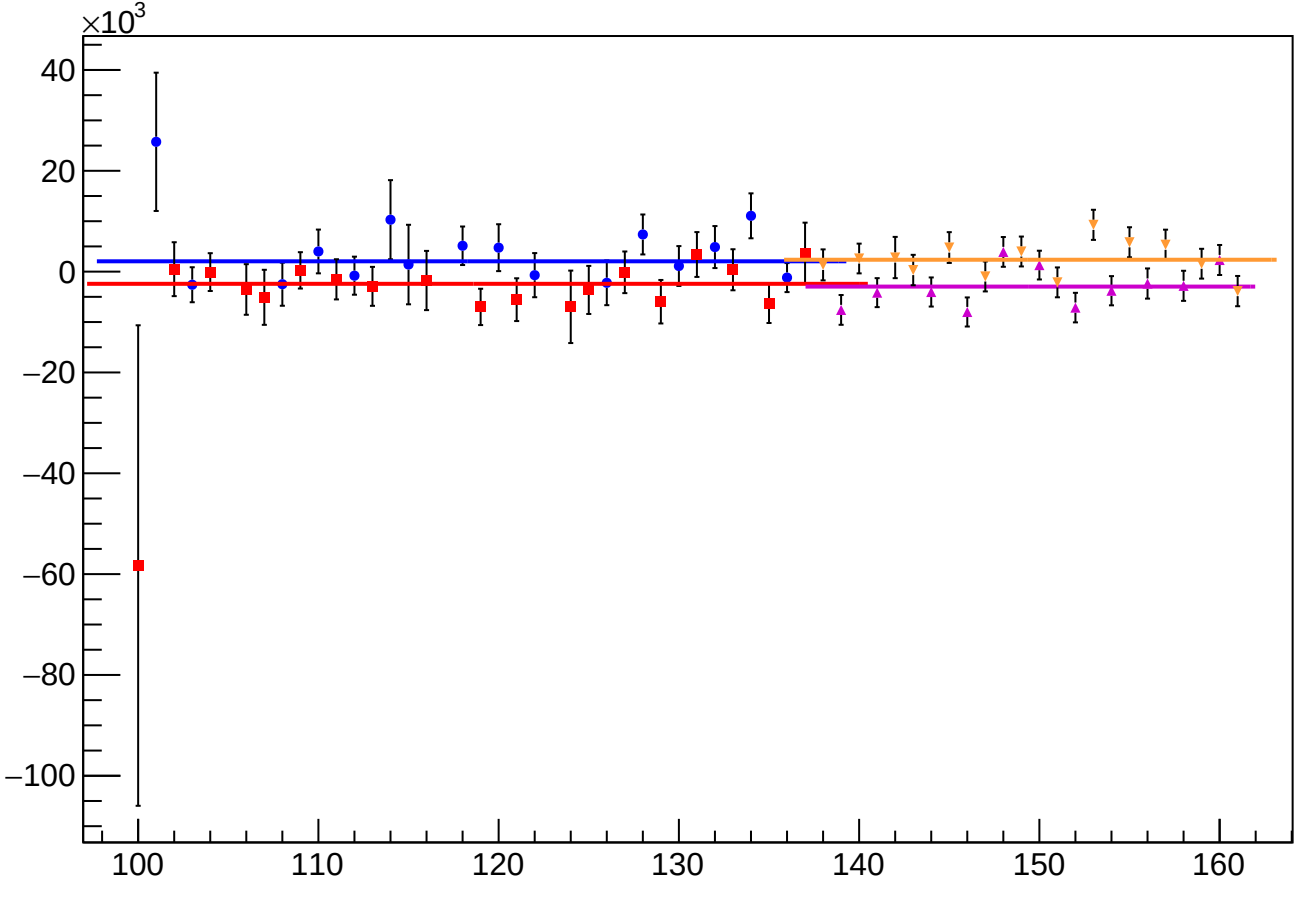
Left In: 790.659+/-0.185 χ^2/NDF:765329.8/10

+ sign 686.597+/-0.122 χ^2/NDF: 3383306.1/28

All: 667.411+/-0.085 χ^2/NDF: 6283746.4/58

- sign 649.631+/-0.118 χ^2/NDF: 2853131.5/29

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2357.874+/-845.144 χ^2/NDF:17.1/12

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

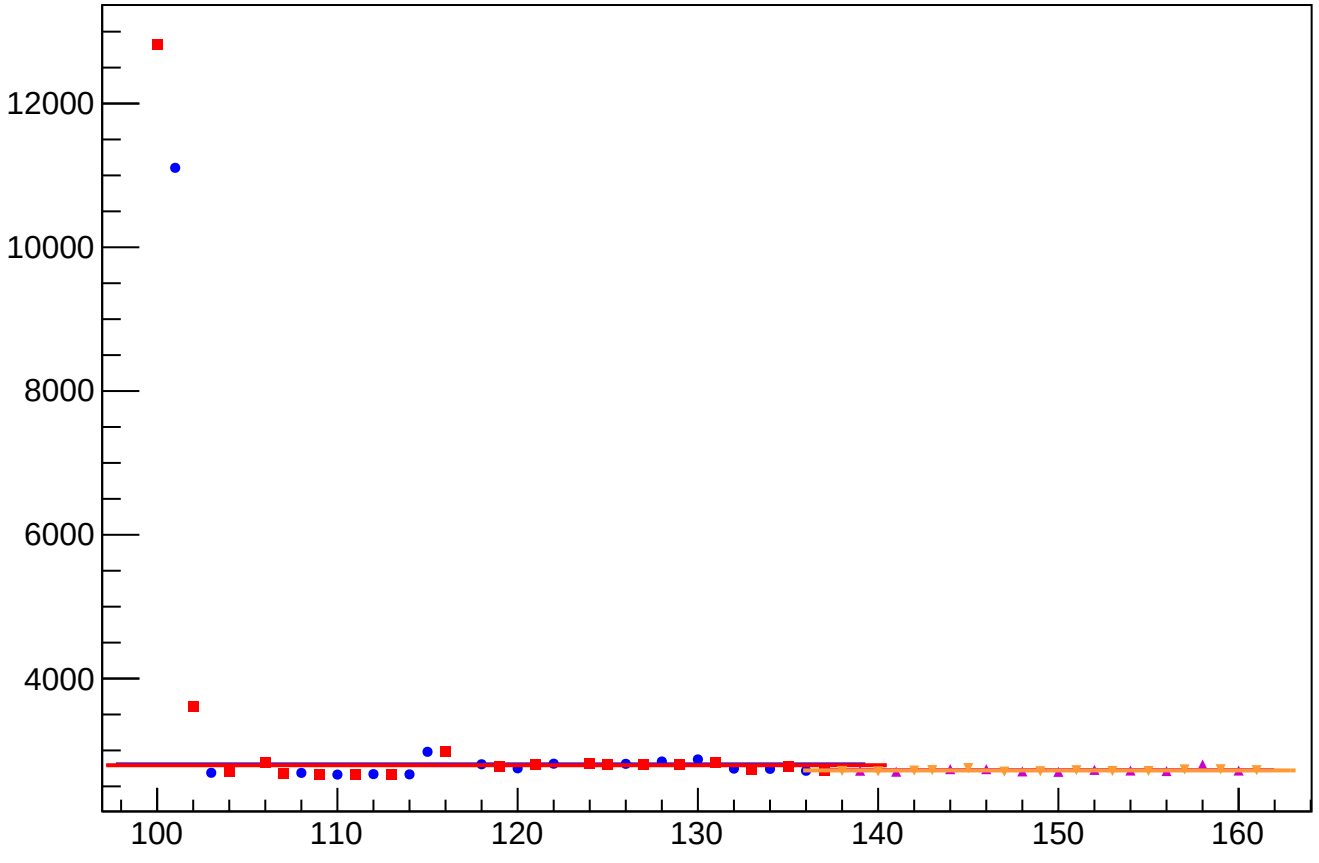
Left In: -2967.032+/-882.018 χ^2/NDF:18.8/10

+ sign 2239.143+/-663.311 χ^2/NDF: 35.0/28

All: -216.073+/-472.107 χ^2/NDF: 92.4/58

- sign -2736.752+/-672.095 χ^2/NDF: 29.7/29

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2721.985+/-0.598 χ^2/NDF:515.4/12

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

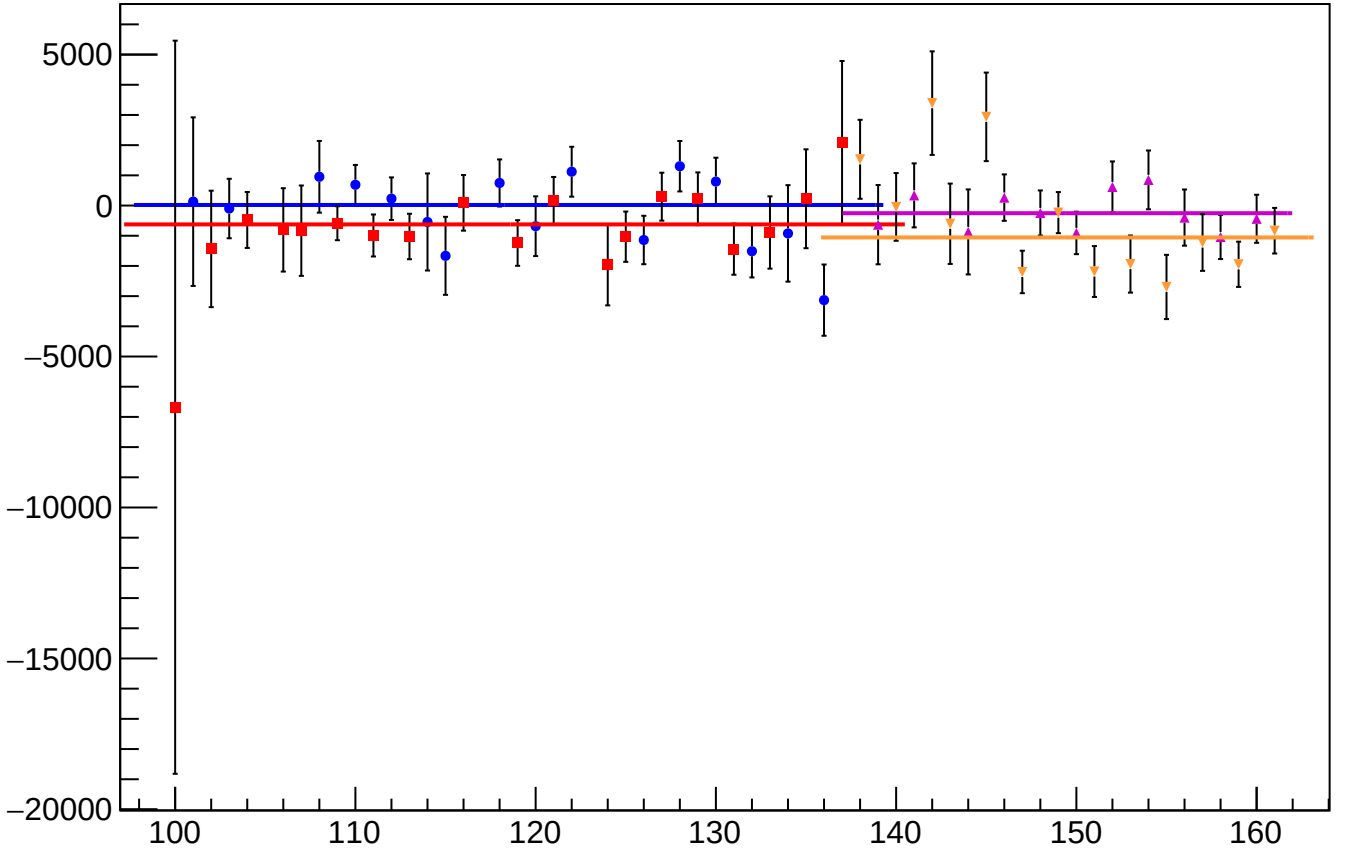
Left In: 2726.989+/-0.624 χ^2/NDF:1831.1/10

+ sign 2754.035+/-0.469 χ^2/NDF: 754245.1/28

All: 2754.588+/-0.334 χ^2/NDF: 907687.3/58

- sign 2755.156+/-0.475 χ^2/NDF: 153439.4/29

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1056.533+/-258.131 χ^2/NDF:29.7/12

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

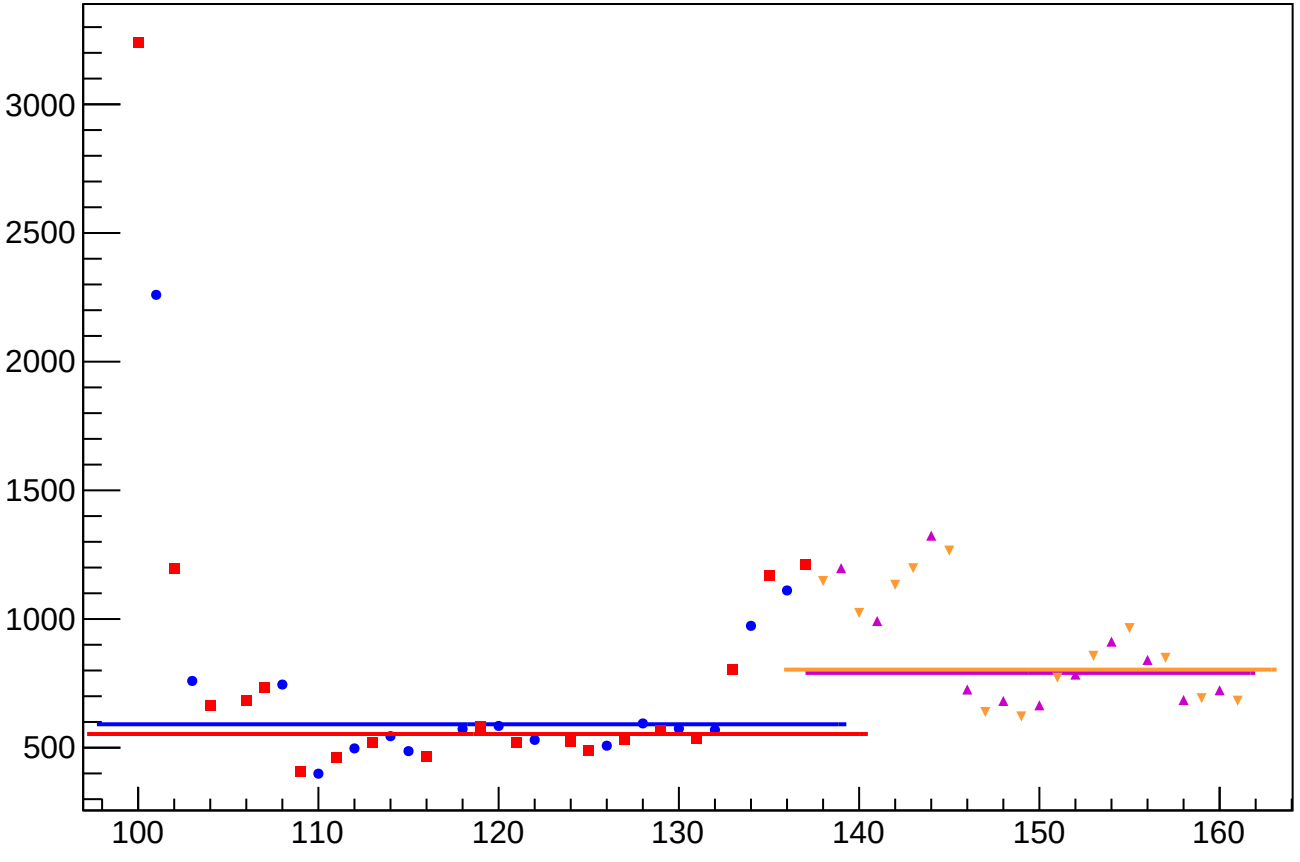
Left In: -253.111+/-262.218 χ^2/NDF:5.5/10

\+ sign -464.984+/-173.153 χ^2/NDF: 62.0/28

All: -469.809+/-120.081 χ^2/NDF: 77.7/58

\- sign -474.280+/-166.674 χ^2/NDF: 15.8/29

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 803.390+/-0.183 χ^2/NDF:1071199.8/12

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

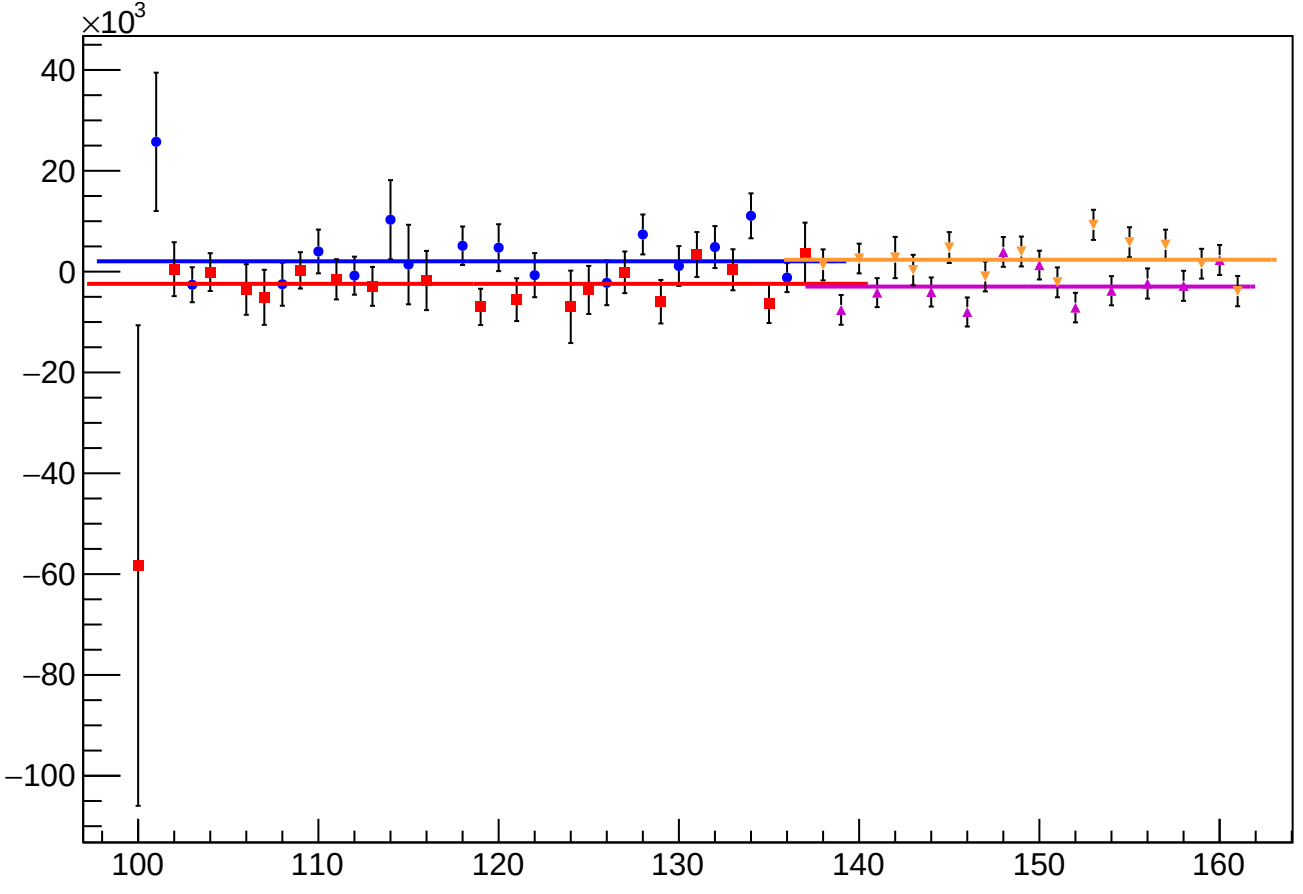
Left In: 790.659+/-0.185 χ^2/NDF:765307.3/10

+ sign 686.590+/-0.122 χ^2/NDF: 3382310.1/28

All: 667.161+/-0.085 χ^2/NDF: 6274983.7/58

- sign 649.160+/-0.118 χ^2/NDF: 2844163.7/29

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2357.874+/-845.144 χ^2/NDF:17.1/12

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

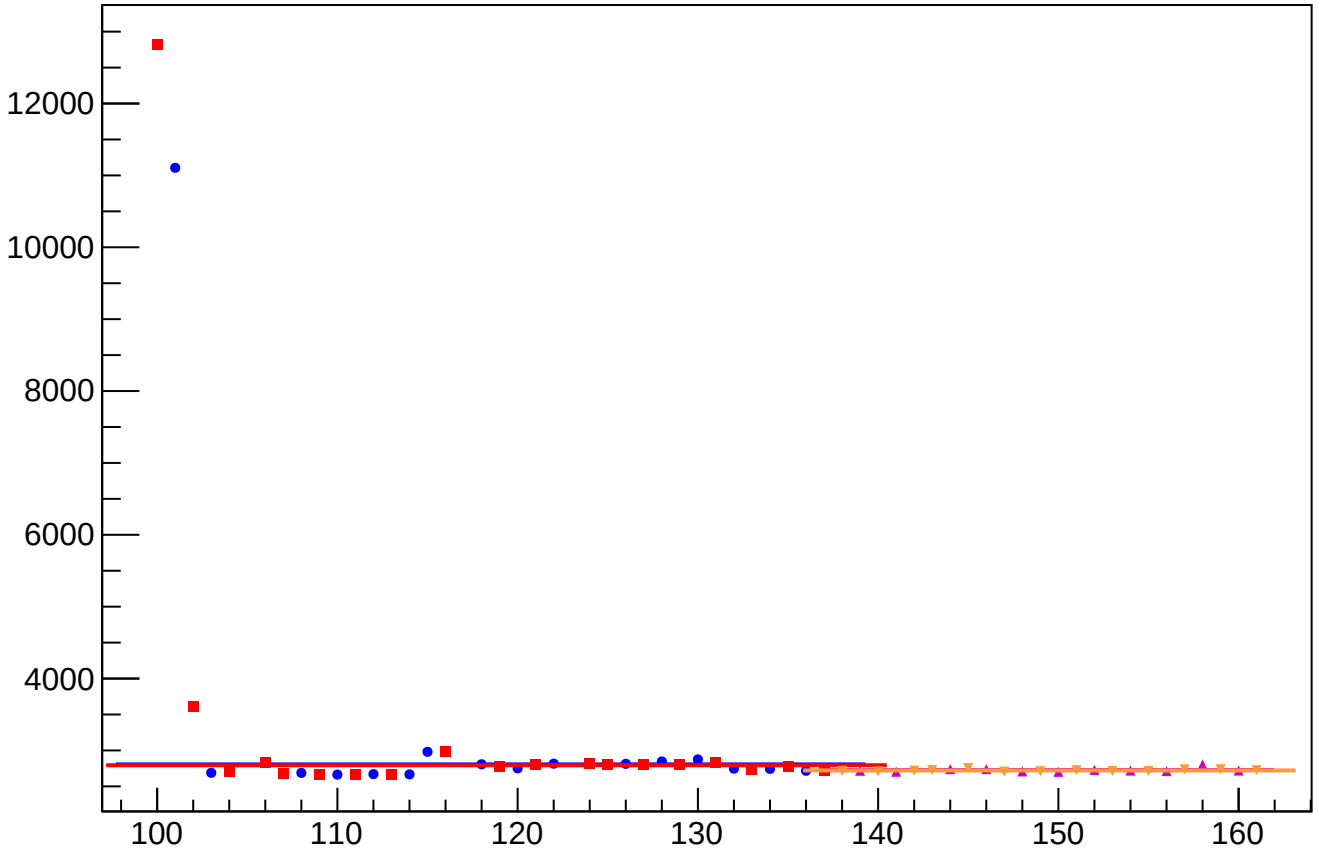
Left In: -2967.032+/-882.018 χ^2/NDF:18.8/10

+ sign 2239.143+/-663.311 χ^2/NDF: 35.0/28

All: -216.073+/-472.107 χ^2/NDF: 92.4/58

- sign -2736.752+/-672.095 χ^2/NDF: 29.7/29

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2721.985+/-0.598 χ^2/NDF:515.4/12

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

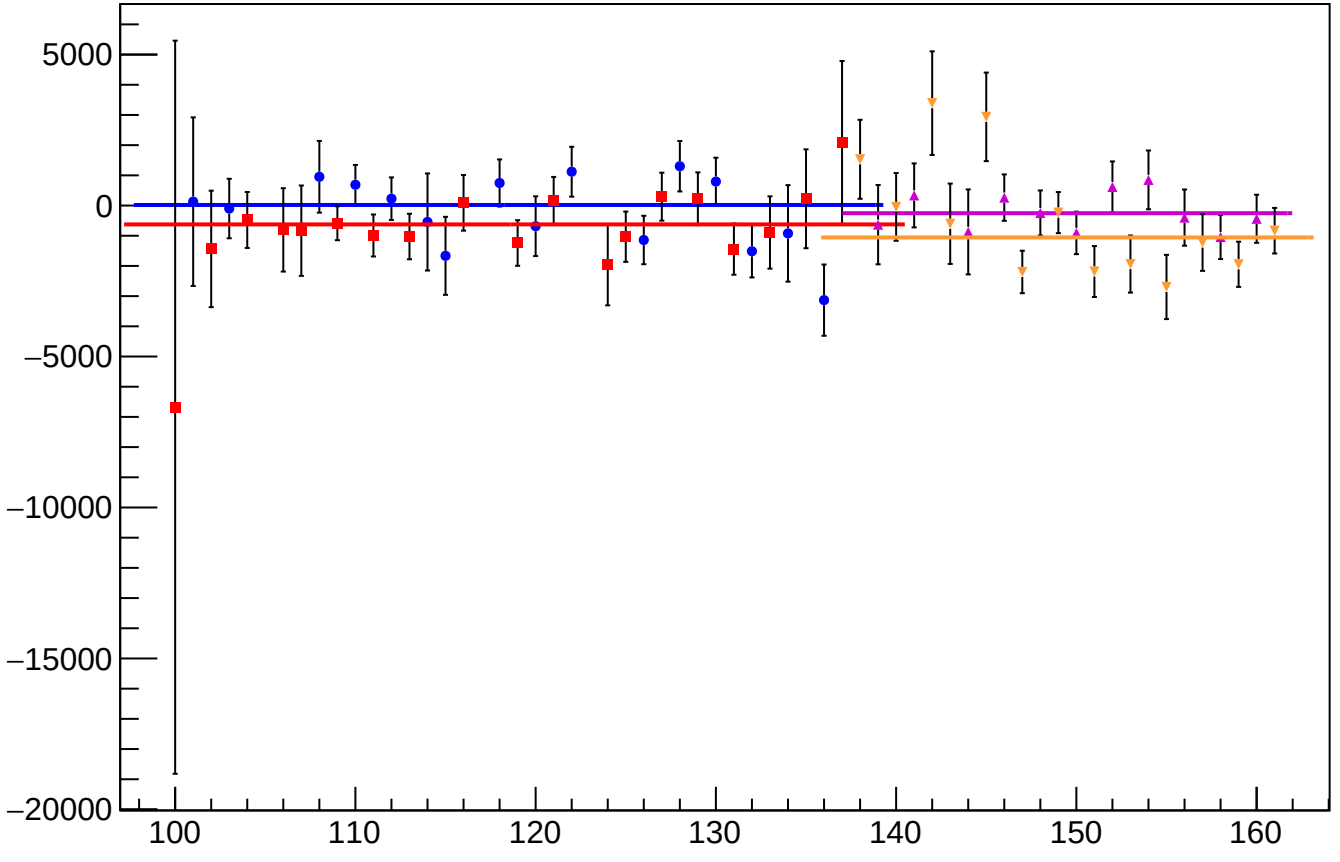
Left In: 2726.989+/-0.624 χ^2/NDF:1831.1/10

+ sign 2754.035+/-0.469 χ^2/NDF: 754245.1/28

All: 2754.588+/-0.334 χ^2/NDF: 907687.3/58

- sign 2755.156+/-0.475 χ^2/NDF: 153439.4/29

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1056.533+/-258.131 χ^2/NDF:29.7/12

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

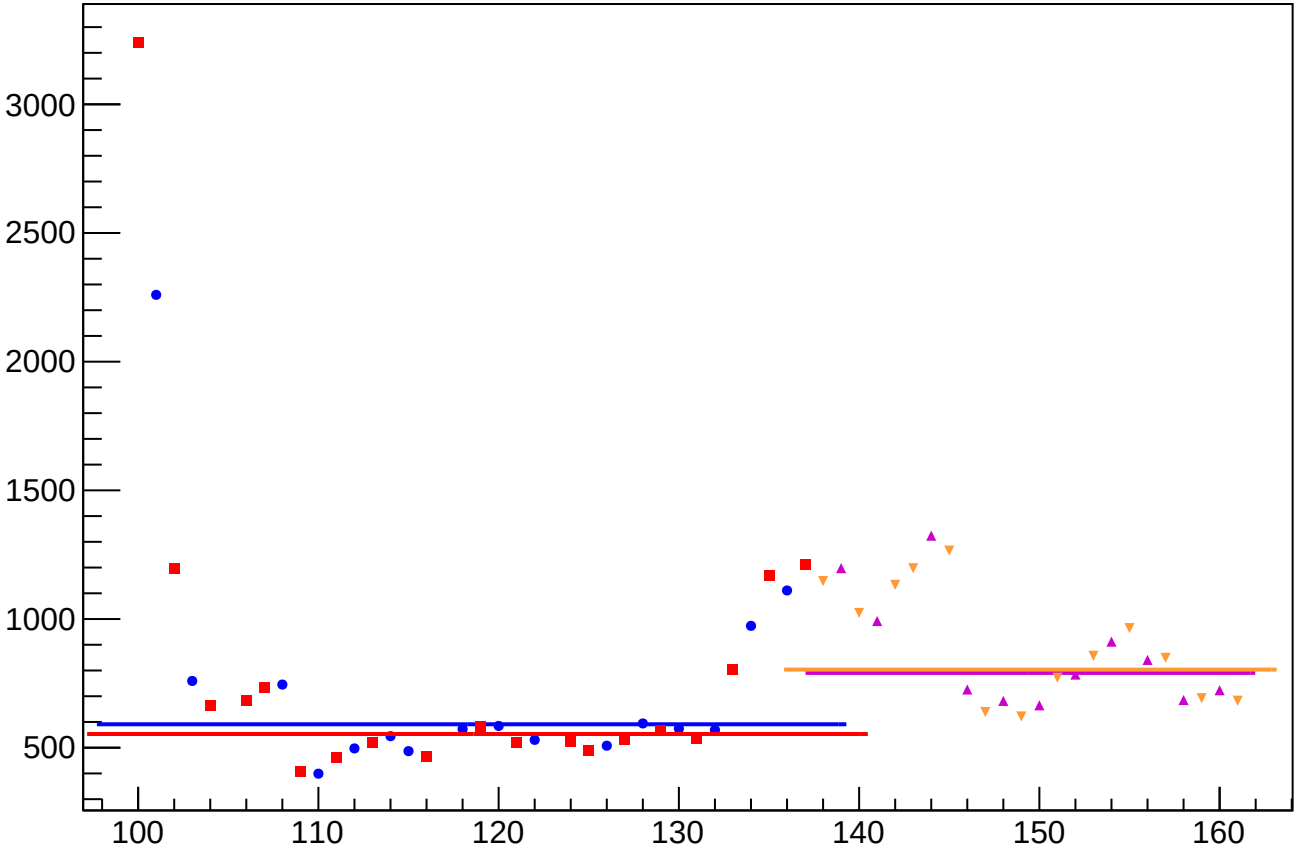
Left In: -253.111+/-262.218 χ^2/NDF:5.5/10

\+ sign -464.984+/-173.153 χ^2/NDF: 62.0/28

All: -469.809+/-120.081 χ^2/NDF: 77.7/58

\- sign -474.280+/-166.674 χ^2/NDF: 15.8/29

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 803.390+/-0.183 χ^2/NDF:1071199.8/12

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

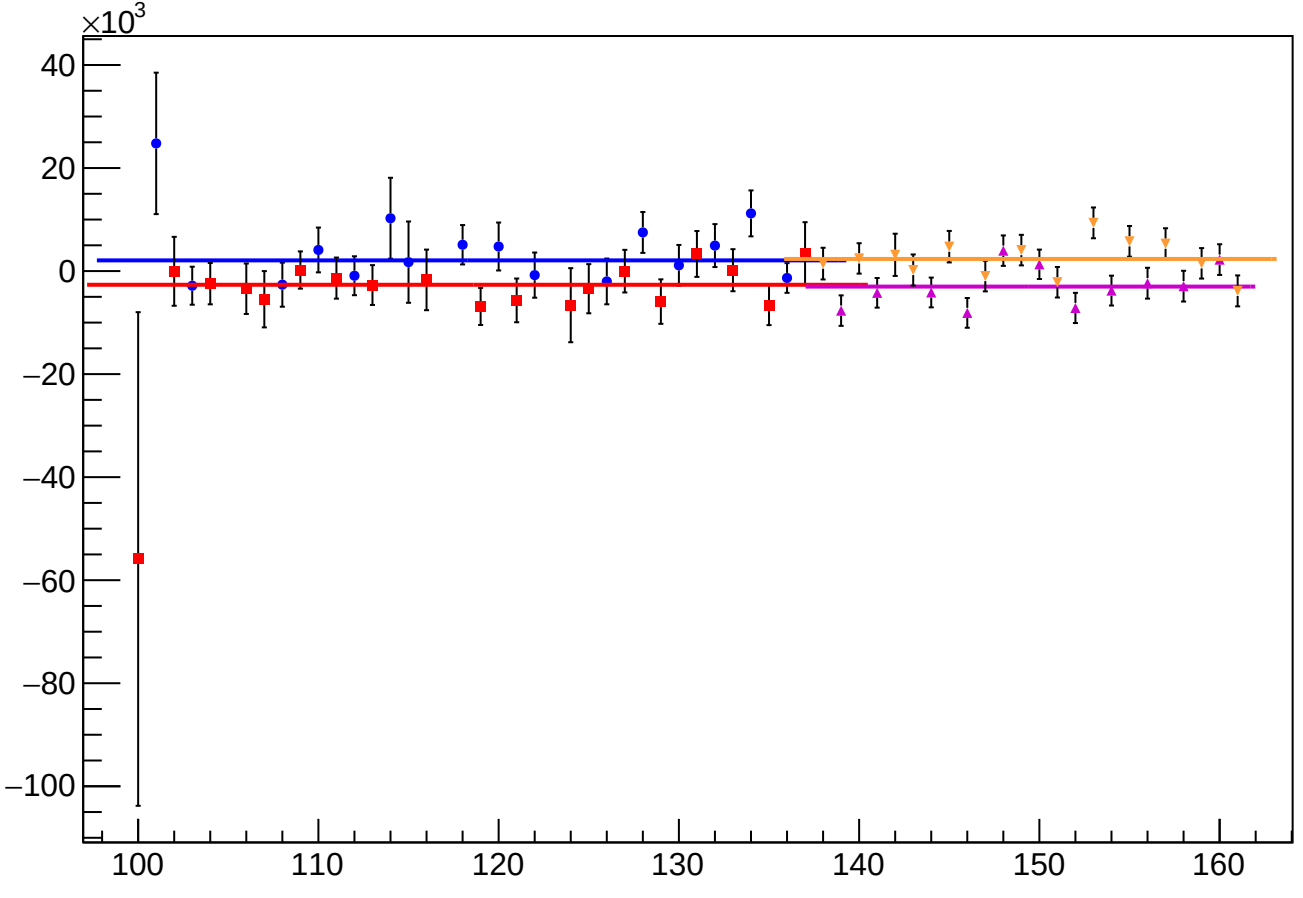
Left In: 790.659+/-0.185 χ^2/NDF:765307.3/10

+ sign 686.590+/-0.122 χ^2/NDF: 3382310.1/28

All: 667.161+/-0.085 χ^2/NDF: 6274983.7/58

- sign 649.160+/-0.118 χ^2/NDF: 2844163.7/29

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2354.909+/-845.775 χ^2/NDF:17.3/12

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

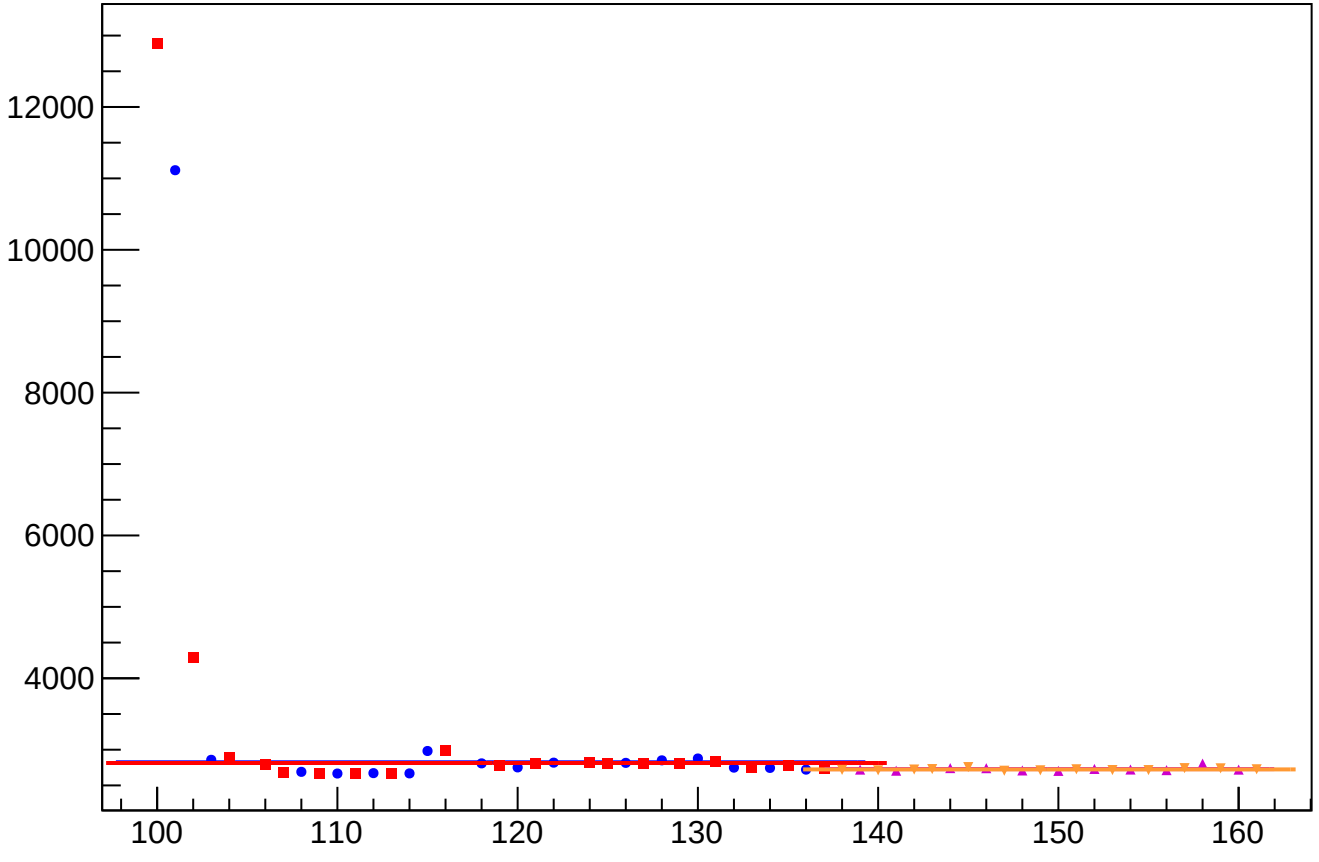
Left In: -3011.166+/-882.573 χ^2/NDF:19.0/10

+ sign 2248.069+/-665.223 χ^2/NDF: 35.2/28

All: -268.819+/-474.001 χ^2/NDF: 93.3/58

- sign -2864.640+/-675.574 χ^2/NDF: 29.0/29

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2724.008+/-0.598 χ^2/NDF:553.8/12

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

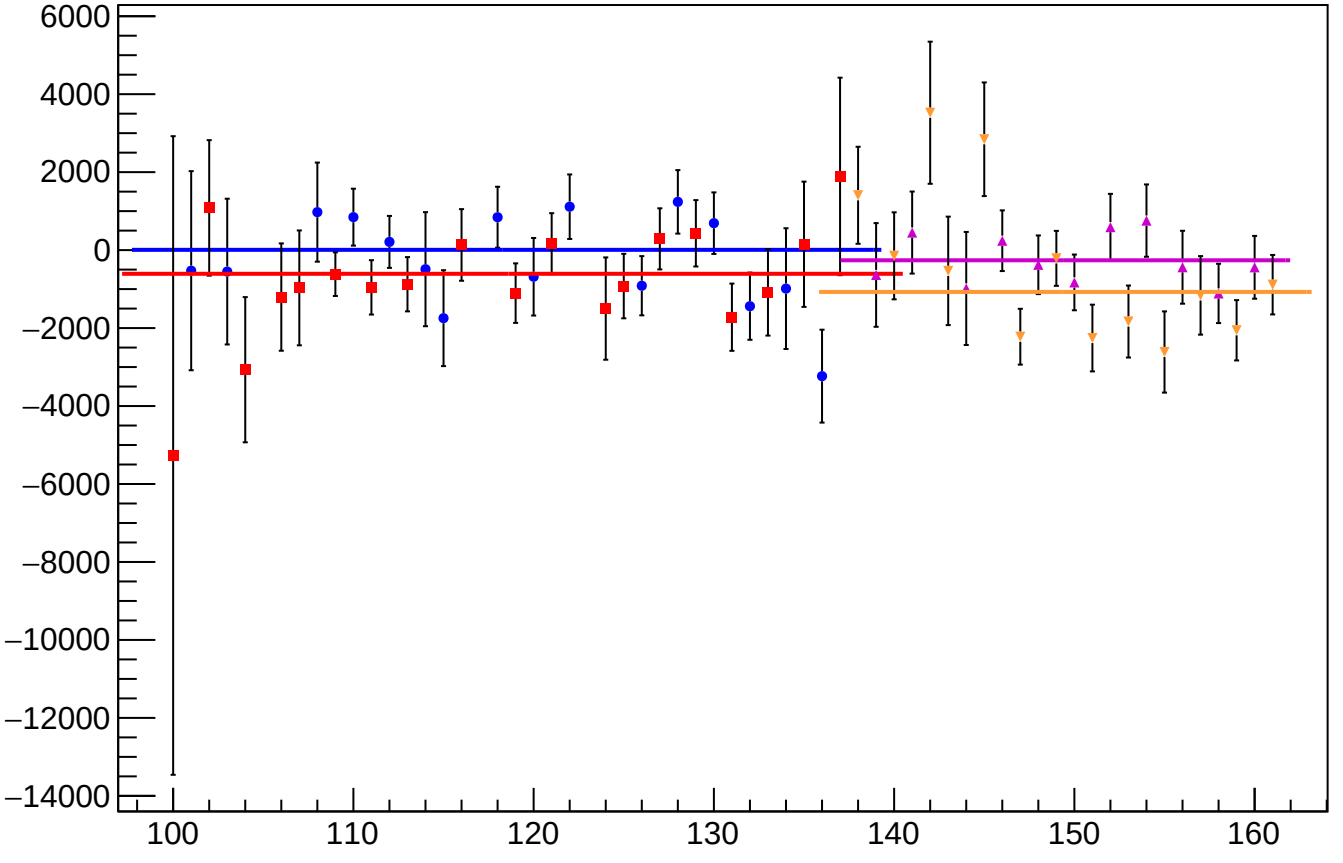
Left In: 2728.692+/-0.624 χ^2/NDF:1844.8/10

+ sign 2761.932+/-0.470 χ^2/NDF: 755013.7/28

All: 2762.921+/-0.335 χ^2/NDF: 965084.3/58

- sign 2763.942+/-0.478 χ^2/NDF: 210061.5/29

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1072.438+/-262.326 χ^2/NDF:28.9/12

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

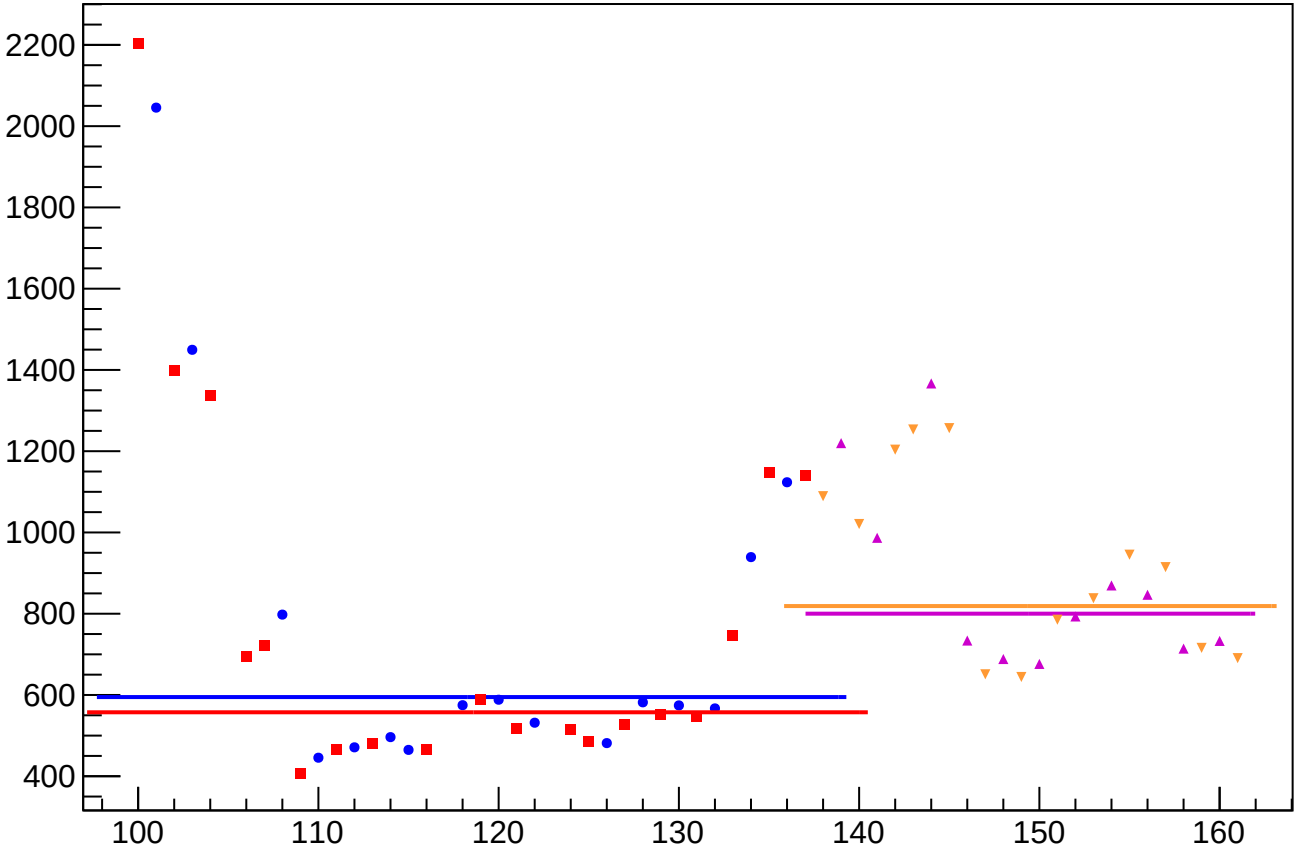
Left In: -261.049+/-264.768 χ^2/NDF:5.4/10

+ sign -479.109+/-176.044 χ^2/NDF: 61.0/28

All: -473.452+/-121.491 χ^2/NDF: 79.6/58

- sign -468.307+/-167.877 χ^2/NDF: 18.6/29

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 818.846+/-0.185 χ^2/NDF:1000821.7/12

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

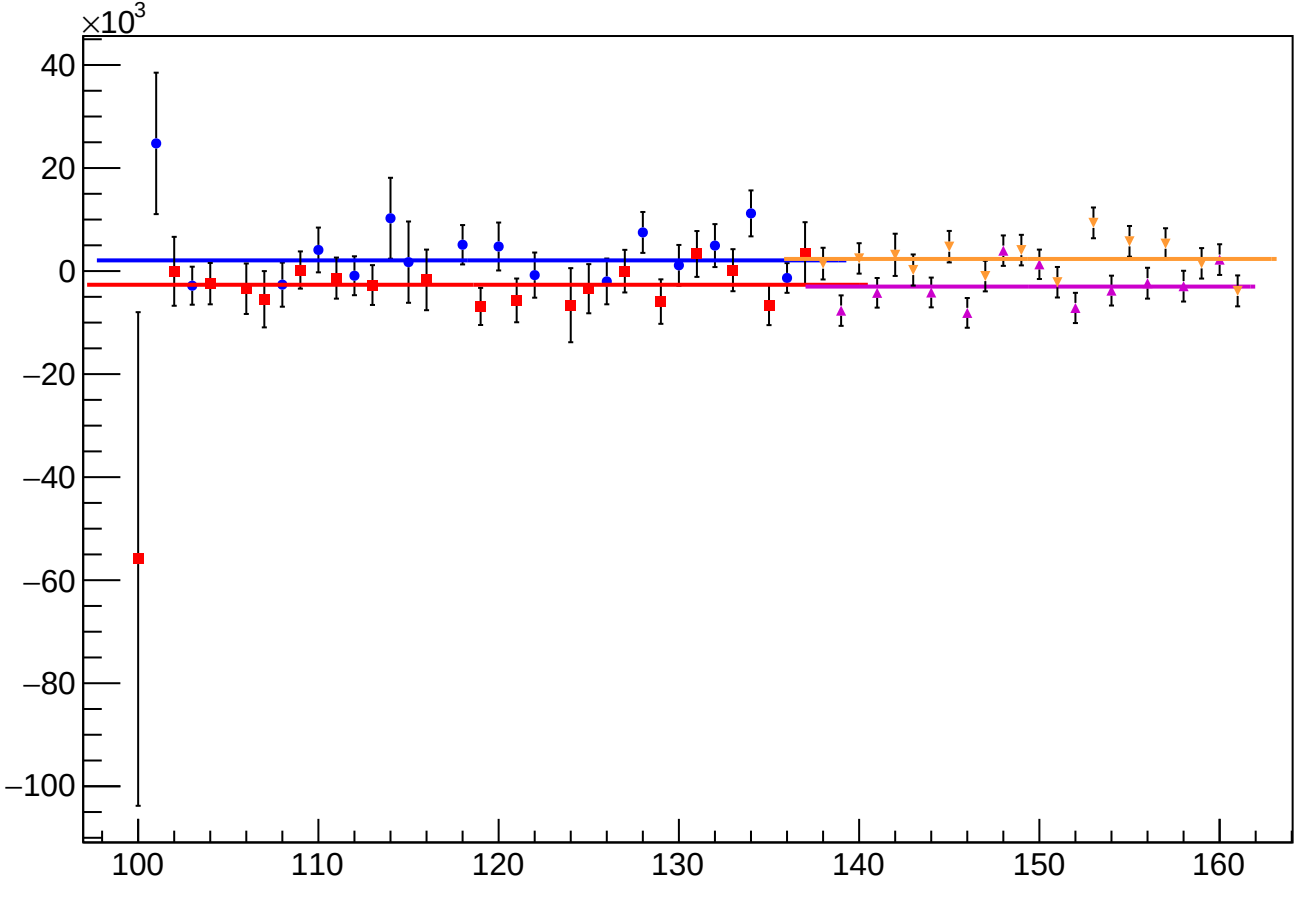
Left In: 800.110+/-0.187 χ^2/NDF:741618.8/10

+ sign 695.733+/-0.124 χ^2/NDF: 3654931.2/28

All: 674.385+/-0.086 χ^2/NDF: 7089021.8/58

- sign 654.972+/-0.119 χ^2/NDF: 3377936.5/29

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2354.910+/-845.775 χ^2/NDF:17.3/12

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

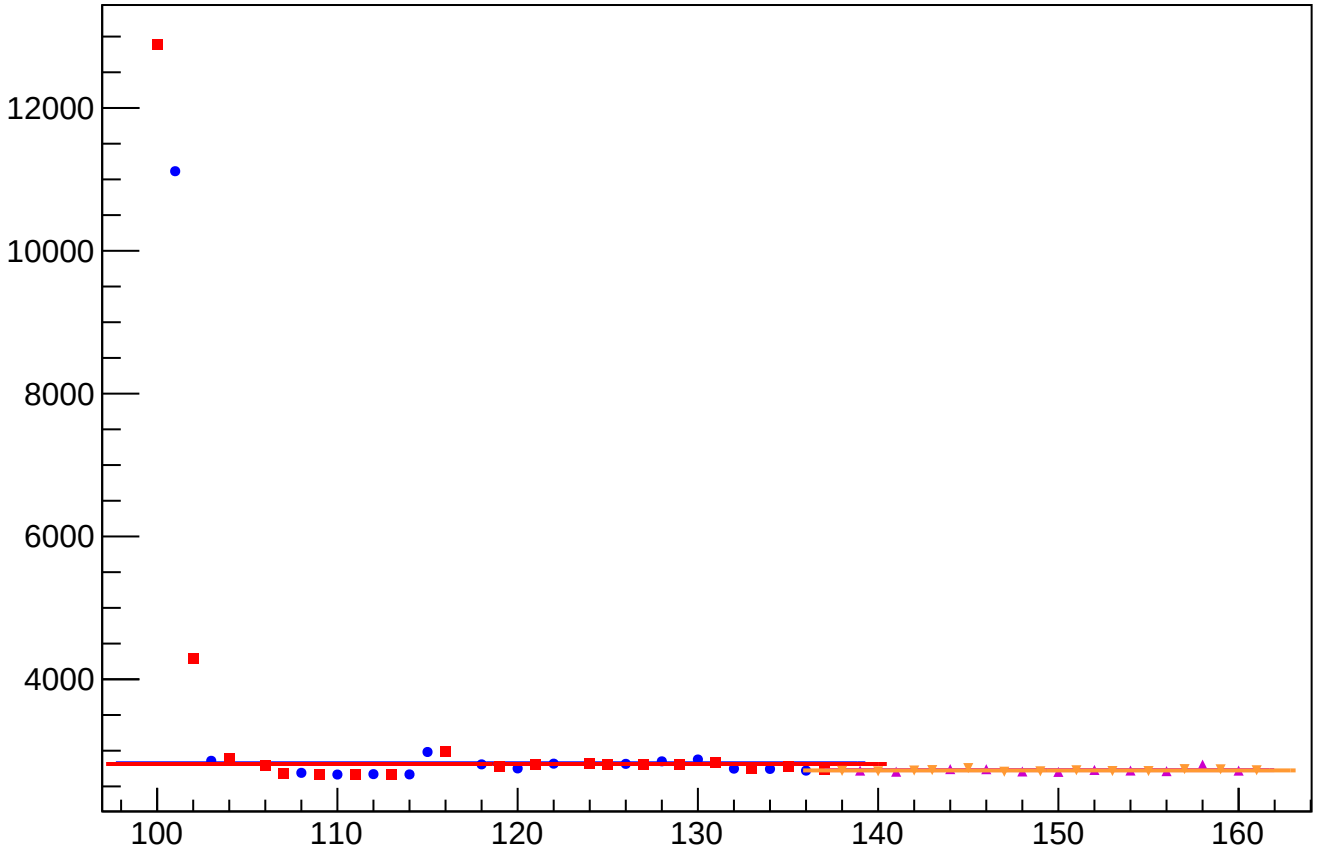
Left In: -3011.165+/-882.573 χ^2/NDF:19.0/10

+ sign 2248.069+/-665.223 χ^2/NDF: 35.2/28

All: -268.819+/-474.001 χ^2/NDF: 93.3/58

- sign -2864.640+/-675.574 χ^2/NDF: 29.0/29

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2724.008+/-0.598 χ^2/NDF:553.8/12

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

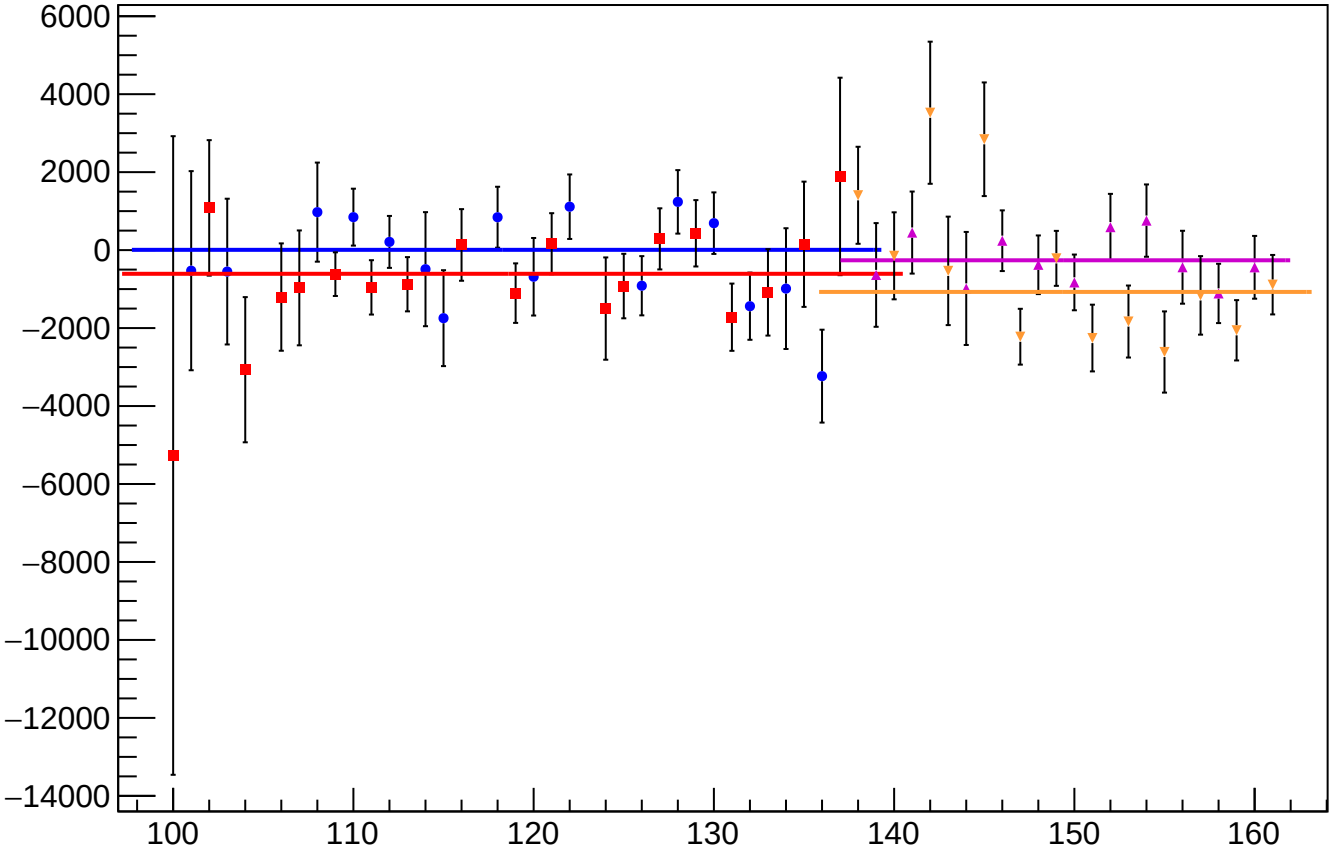
Left In: 2728.692+/-0.624 χ^2/NDF:1844.8/10

+ sign 2761.932+/-0.470 χ^2/NDF: 755013.7/28

All: 2762.921+/-0.335 χ^2/NDF: 965084.0/58

- sign 2763.942+/-0.478 χ^2/NDF: 210061.3/29

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1072.439+/-262.326 χ^2/NDF:28.9/12

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

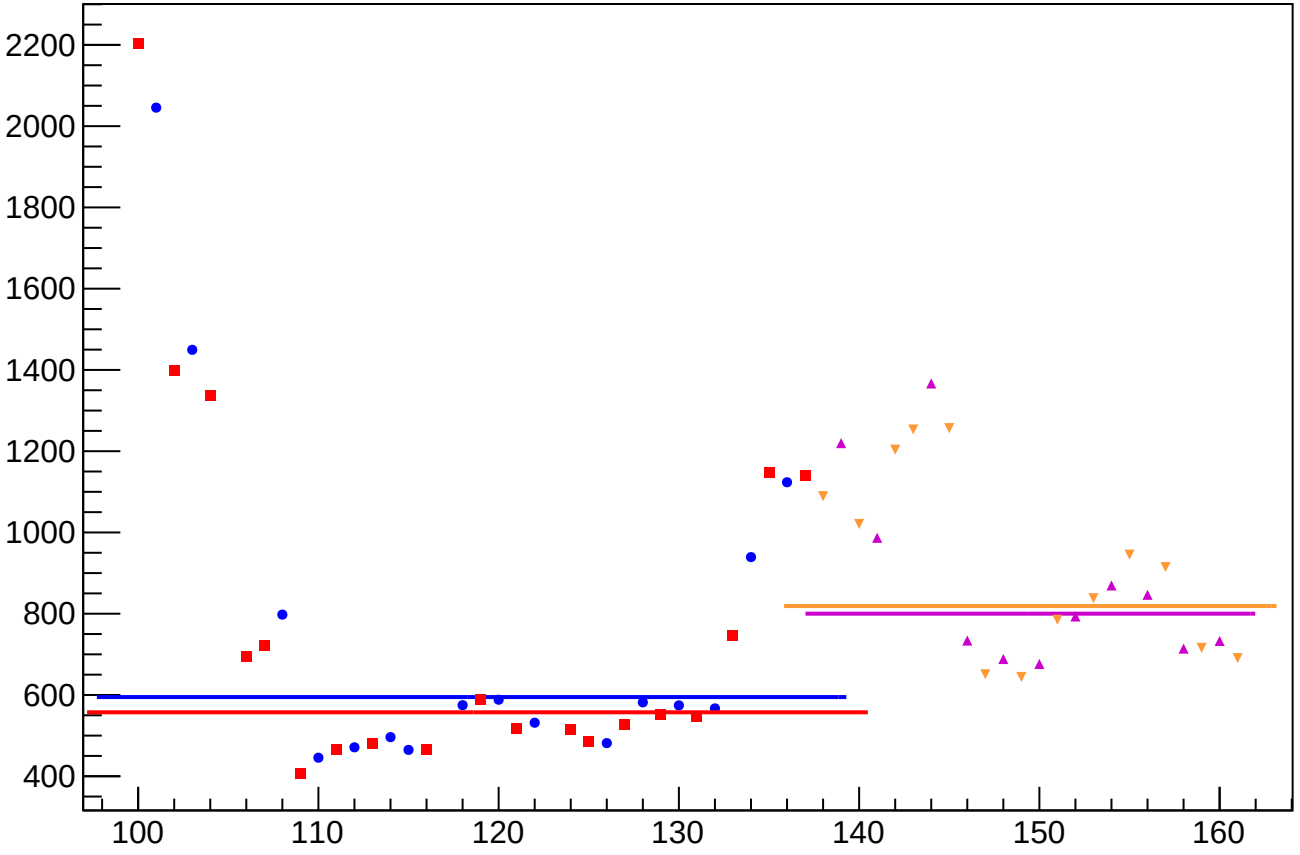
Left In: -261.049+/-264.768 χ^2/NDF:5.4/10

+ sign -479.109+/-176.044 χ^2/NDF: 61.0/28

All: -473.452+/-121.491 χ^2/NDF: 79.6/58

- sign -468.308+/-167.877 χ^2/NDF: 18.6/29

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 818.846+/-0.185 χ^2/NDF:1000823.6/12

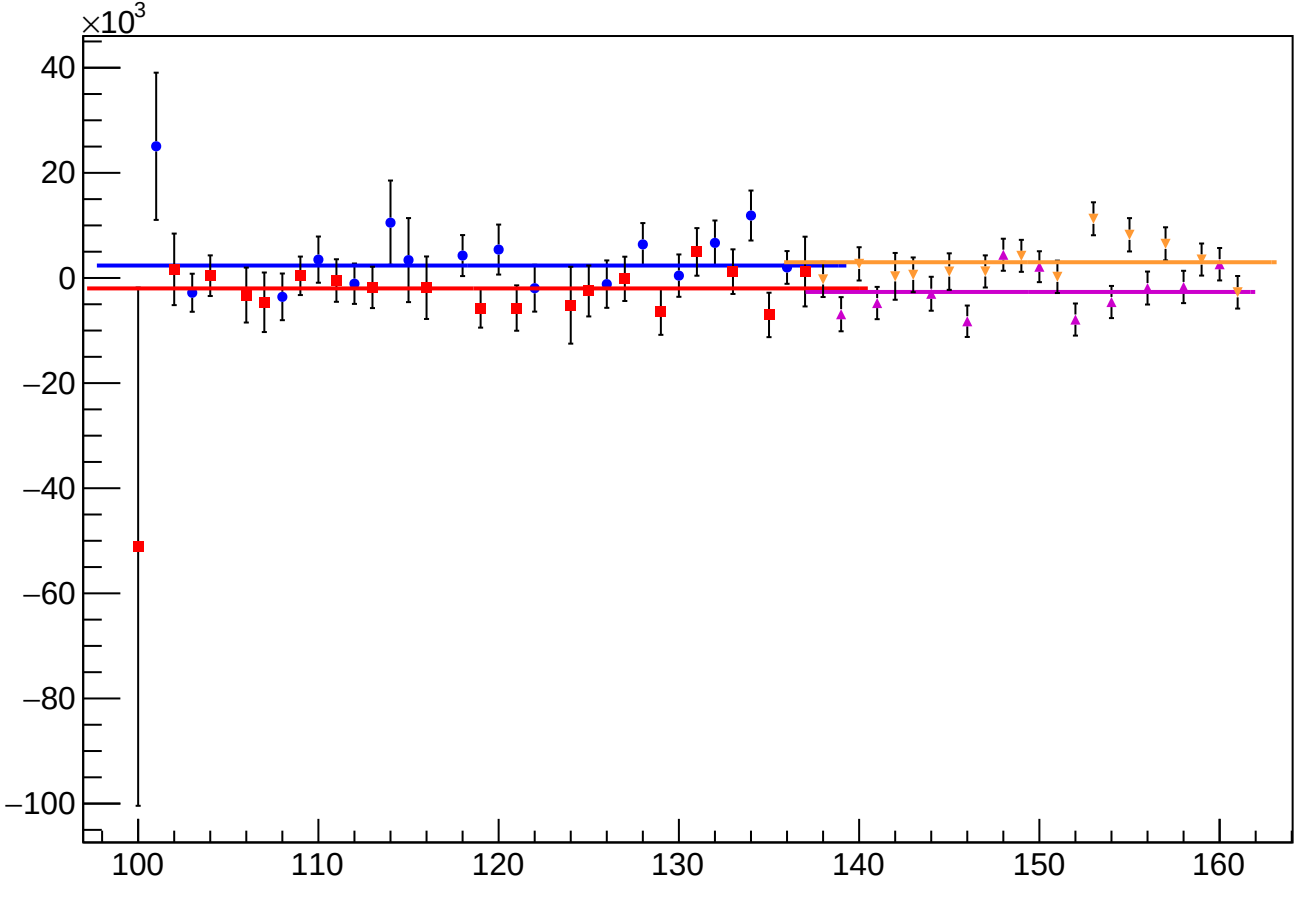
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 800.109+/-0.187 χ^2/NDF:741621.0/10

+ sign 695.733+/-0.124 χ^2/NDF: 3654923.7/28

All: 674.385+/-0.086 χ^2/NDF: 7089011.0/58

- sign 654.972+/-0.119 χ^2/NDF: 3377932.6/29



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2996.162+/-895.294 χ^2/NDF:17.7/12

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

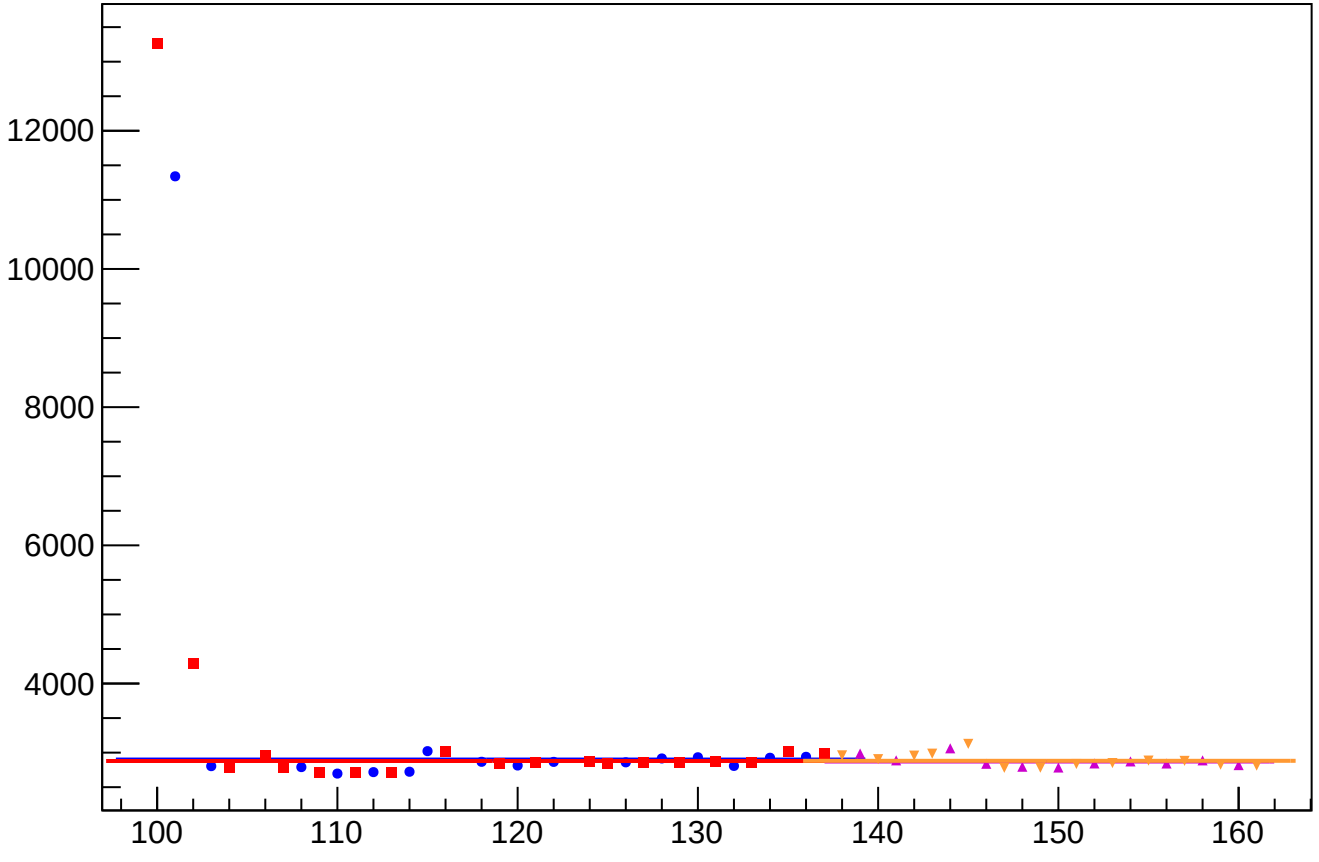
Left In: -2659.344+/-929.120 χ^2/NDF:20.1/10

+ sign 2747.220+/-695.925 χ^2/NDF: 34.8/28

All: 213.648+/-494.588 χ^2/NDF: 92.2/58

- sign -2371.966+/-703.036 χ^2/NDF: 30.7/29

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2881.610+/-0.633 χ^2/NDF:20420.8/12

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

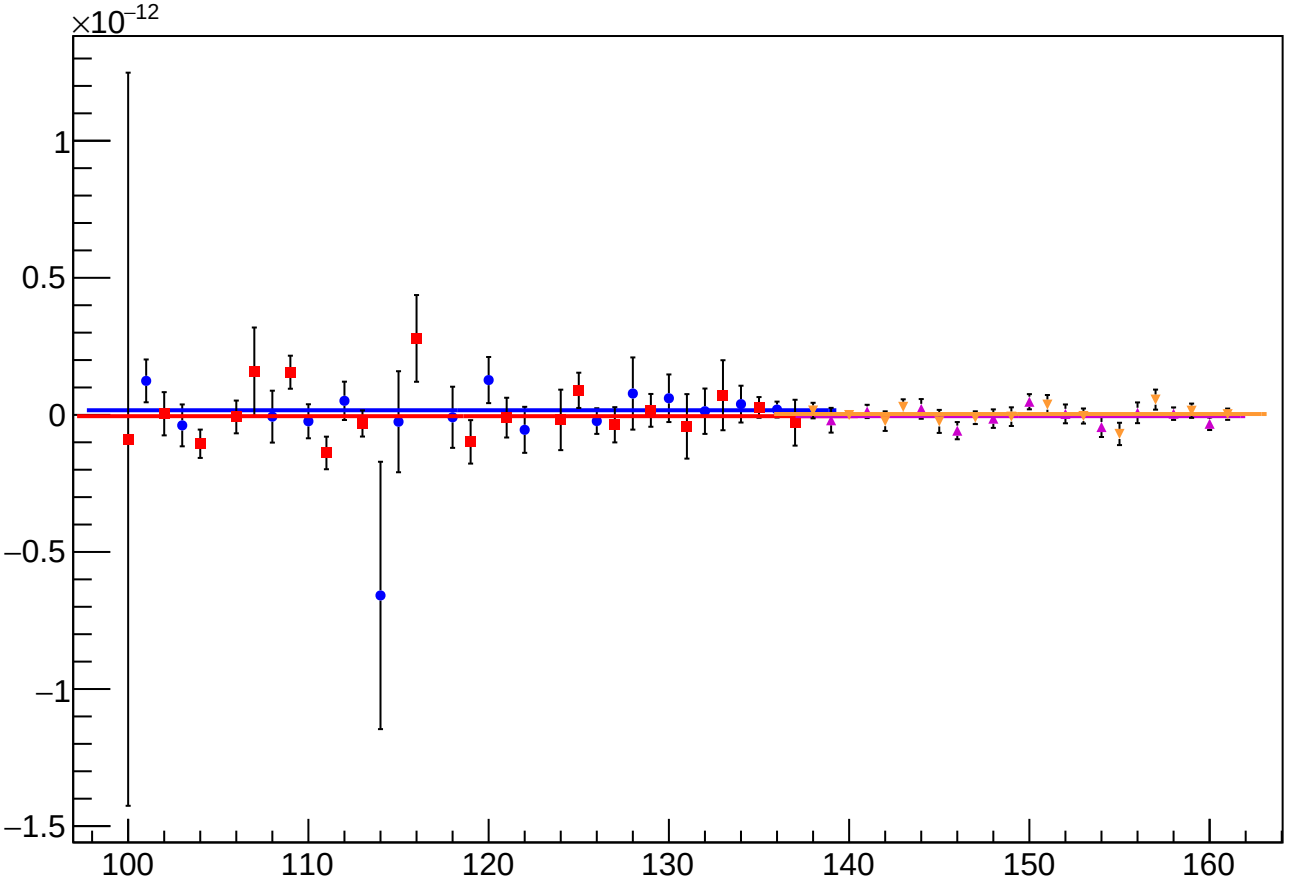
Left In: 2871.427+/-0.657 χ^2/NDF:13764.6/10

+ sign 2888.820+/-0.492 χ^2/NDF: 762566.7/28

All: 2881.805+/-0.350 χ^2/NDF: 970080.5/58

- sign 2874.646+/-0.497 χ^2/NDF: 207103.2/29

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:9.0/12

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

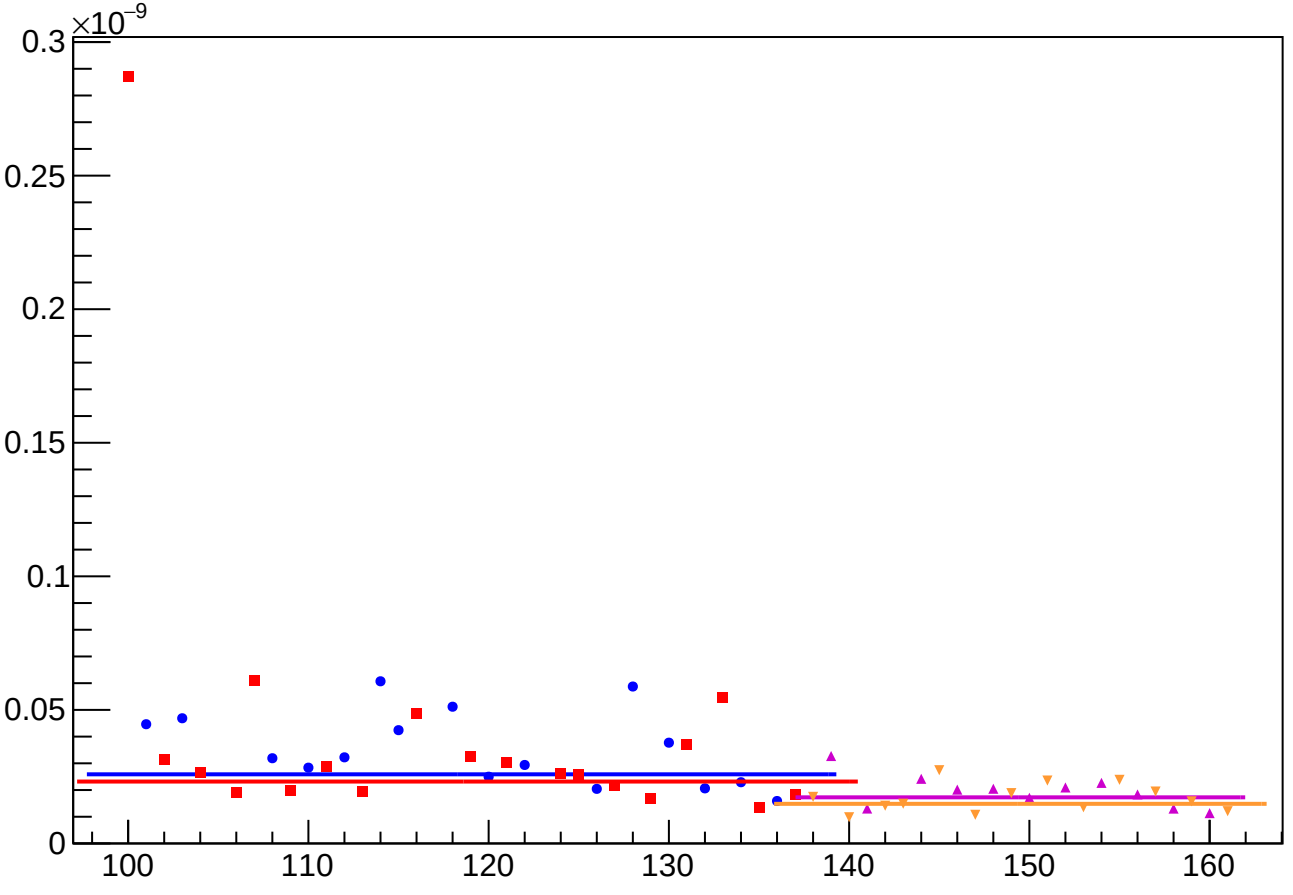
Left In: -0.000+/-0.000 χ^2/NDF:10.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 18.4/28

All: 0.000+/-0.000 χ^2/NDF: 55.7/58

- sign -0.000+/-0.000 χ^2/NDF: 36.4/29

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:731258.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

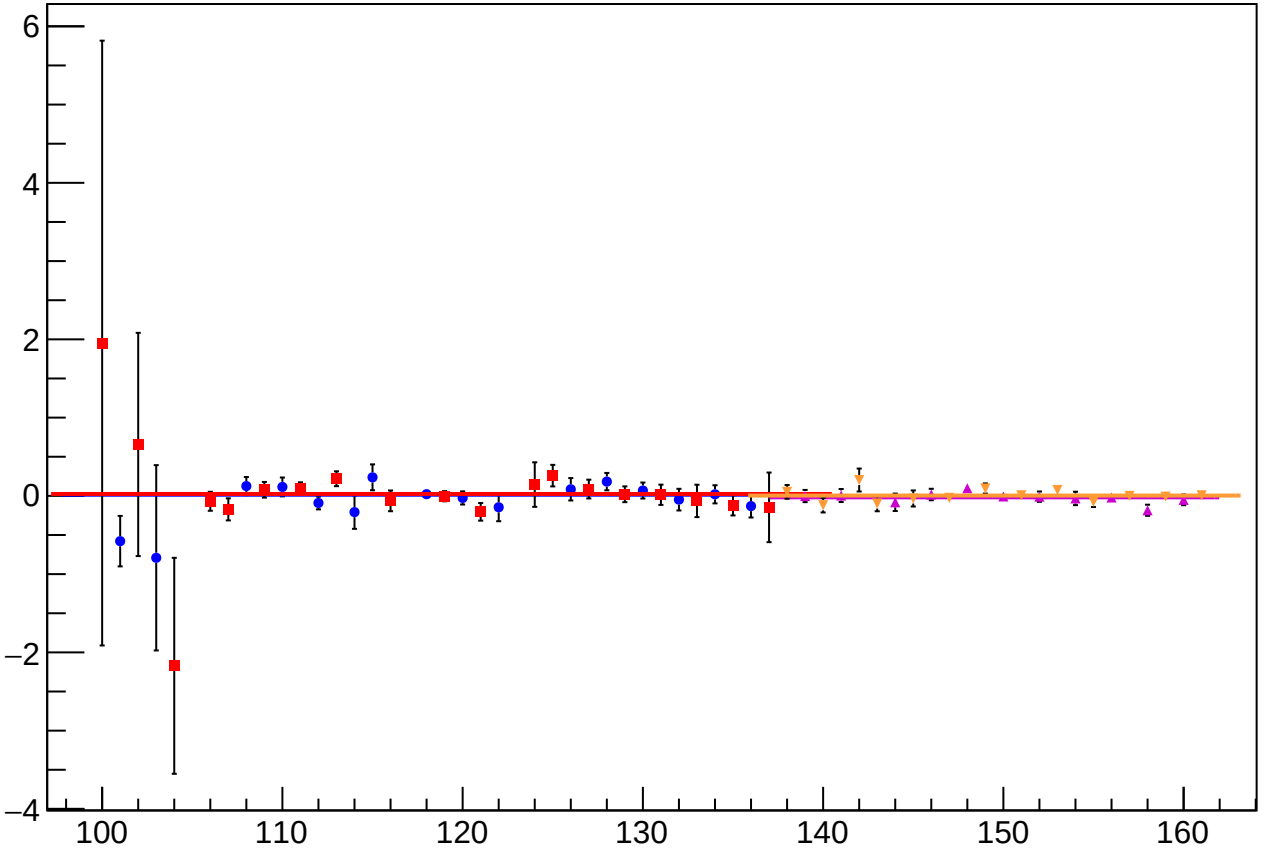
Left In: 0.000+/-0.000 χ^2/NDF:675056.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 2306850.1/28

All: 0.000+/-0.000 χ^2/NDF: 3956392.3/58

- sign 0.000+/-0.000 χ^2/NDF: 1577191.2/29

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.004+/-0.019 χ^2/NDF:10.3/12

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

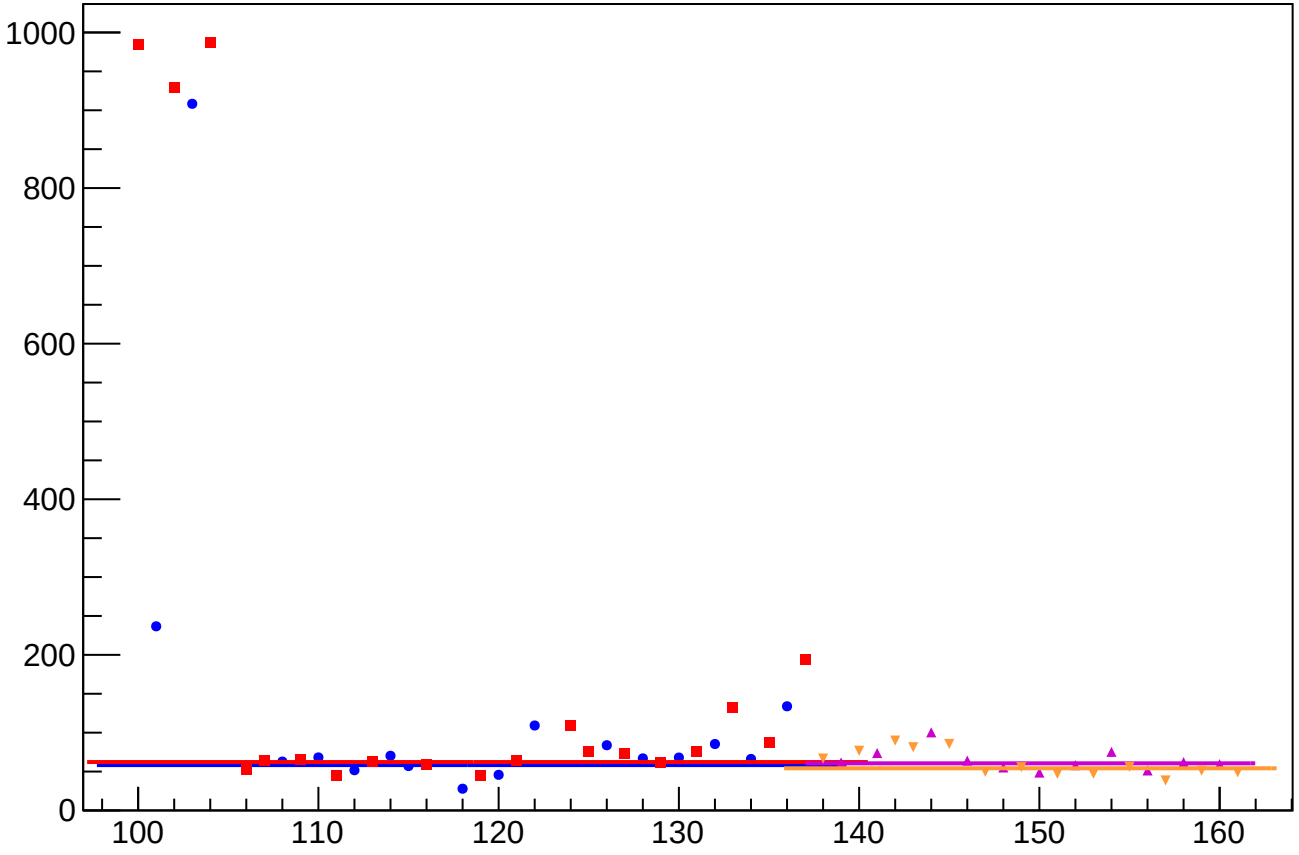
Left In: -0.019+/-0.021 χ^2/NDF:9.7/10

+ sign 0.008+/-0.016 χ^2/NDF: 25.4/28

All: 0.003+/-0.012 χ^2/NDF: 57.7/58

- sign -0.003+/-0.017 χ^2/NDF: 32.0/29

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.208+/-0.014 χ^2/NDF:849525.4/12

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

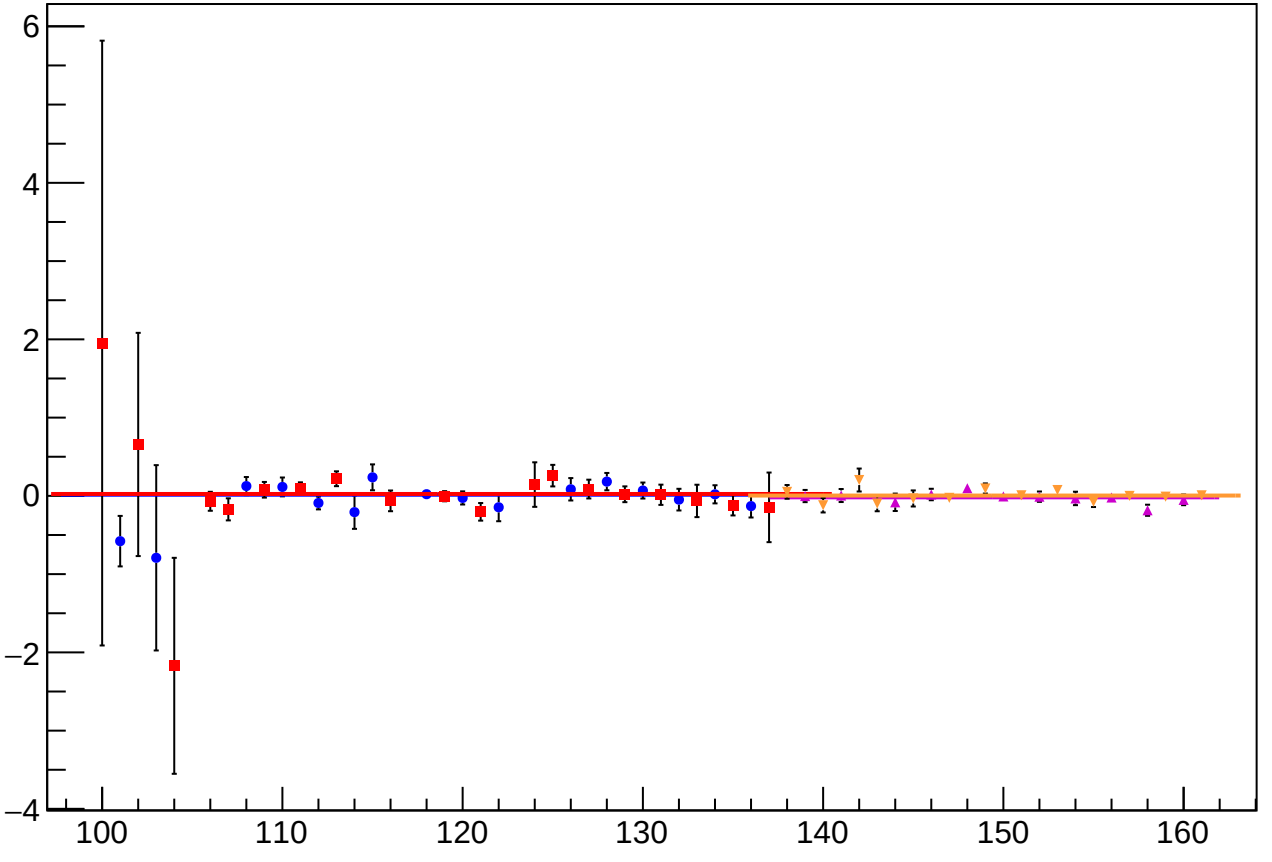
Left In: 60.570+/-0.015 χ^2/NDF:522894.9/10

+ sign 55.542+/-0.011 χ^2/NDF: 4139290.1/28

All: 58.168+/-0.008 χ^2/NDF: 7411345.9/58

- sign 61.183+/-0.012 χ^2/NDF: 3154388.0/29

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.004+/-0.019 χ^2/NDF:10.3/12

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

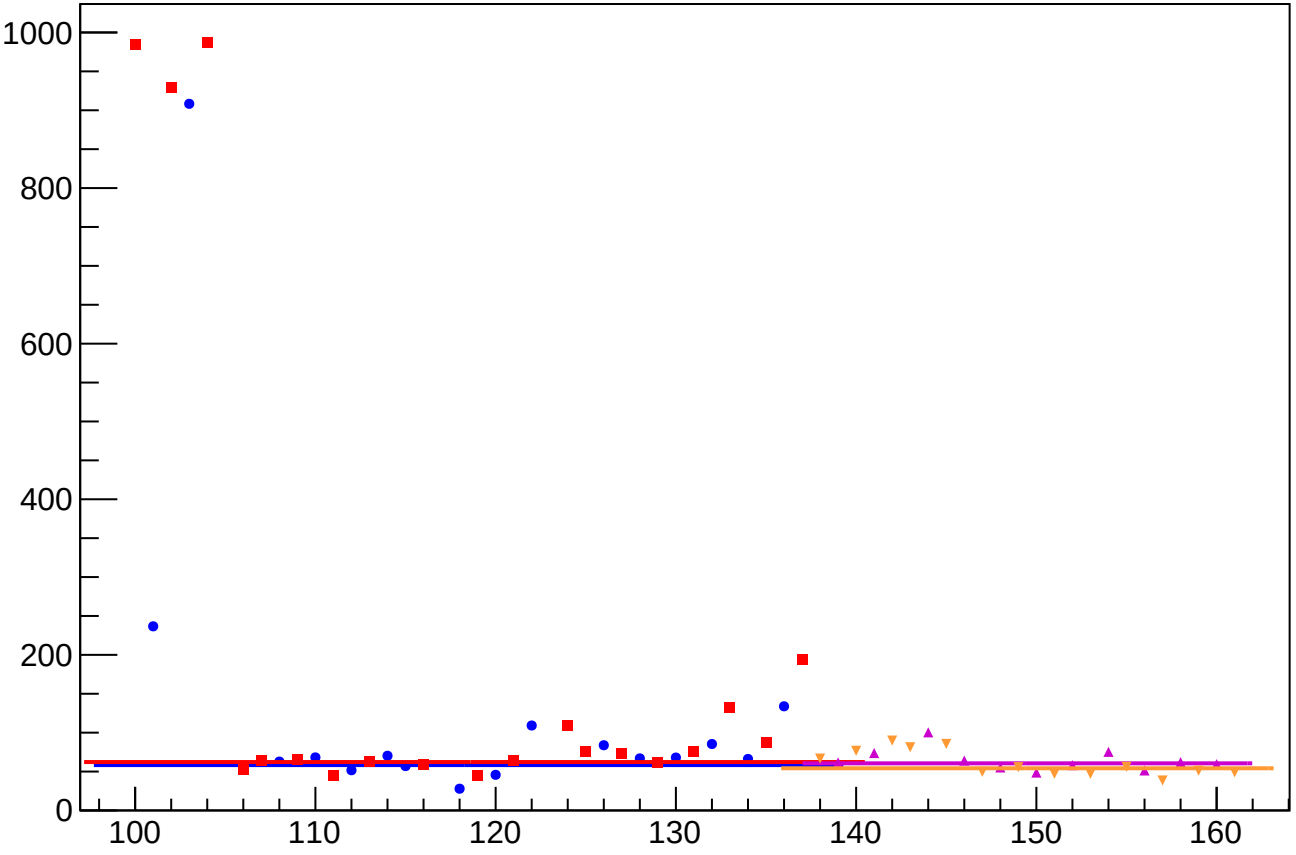
Left In: -0.019+/-0.021 χ^2/NDF:9.7/10

+ sign 0.008+/-0.016 χ^2/NDF: 25.4/28

All: 0.003+/-0.012 χ^2/NDF: 57.7/58

- sign -0.003+/-0.017 χ^2/NDF: 32.0/29

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.208+/-0.014 χ^2/NDF:849525.4/12

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

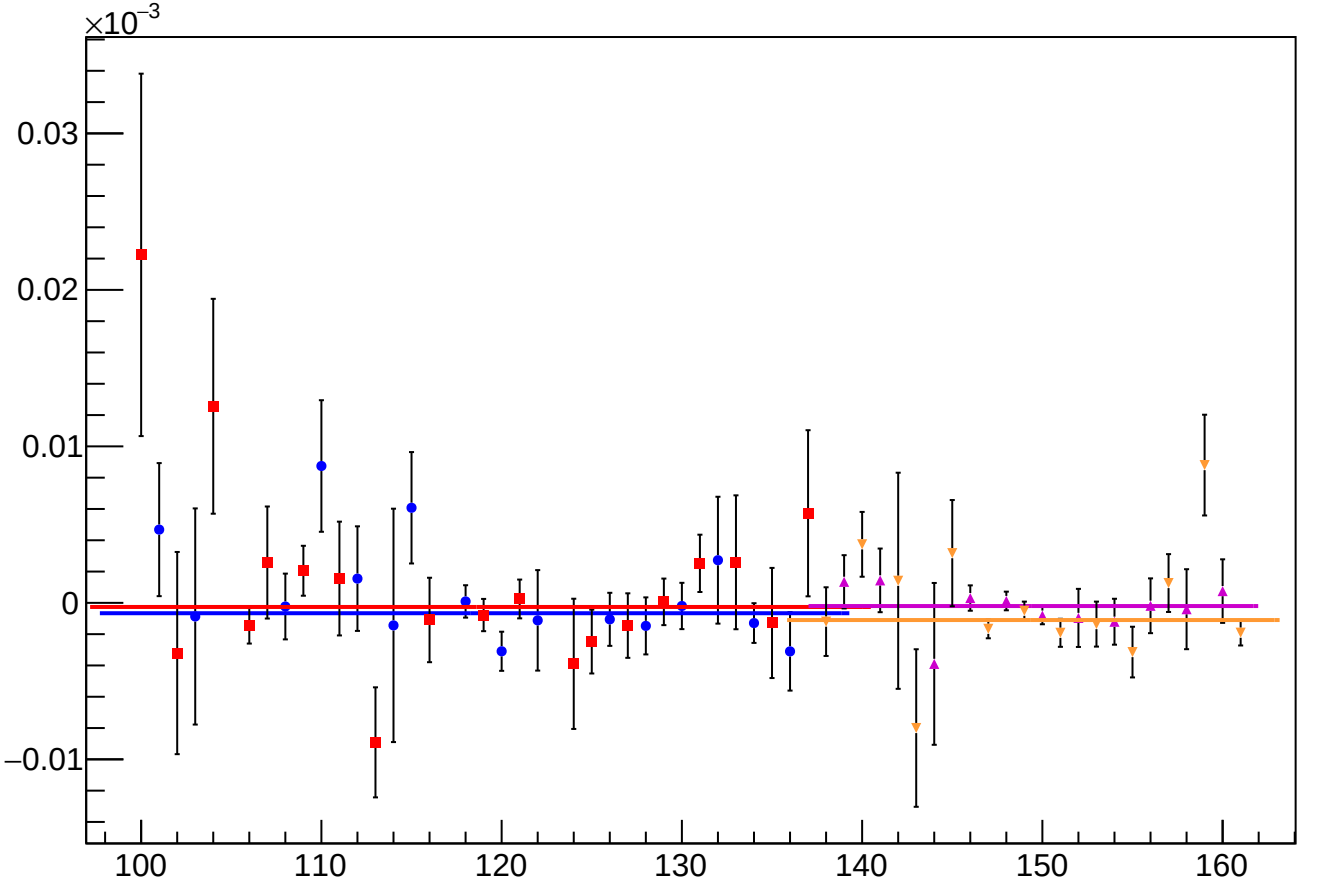
Left In: 60.570+/-0.015 χ^2/NDF:522894.9/10

+ sign 55.542+/-0.011 χ^2/NDF: 4139290.1/28

All: 58.168+/-0.008 χ^2/NDF: 7411345.9/58

- sign 61.183+/-0.012 χ^2/NDF: 3154388.0/29

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:25.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

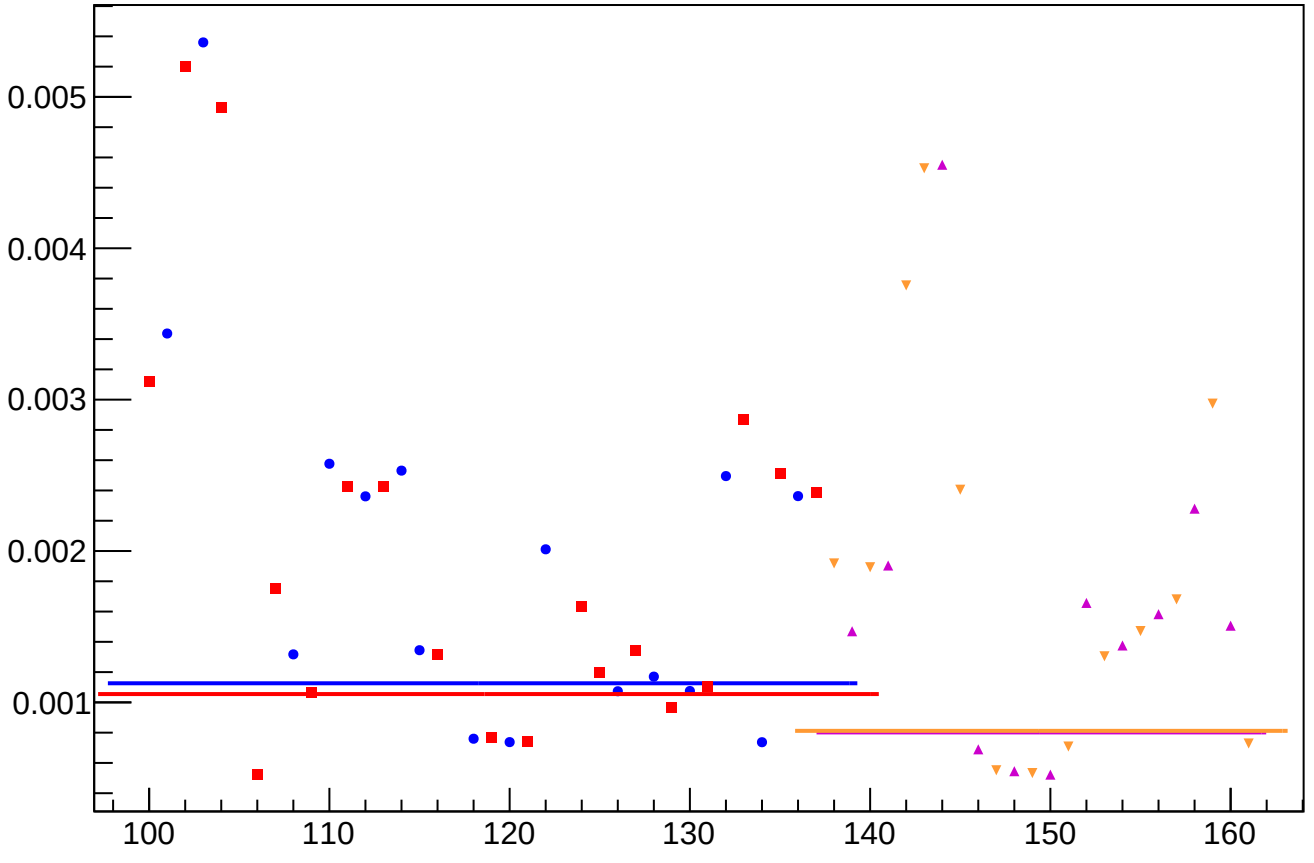
Left In: -0.000+/-0.000 χ^2/NDF:4.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 43.3/28

All: -0.000+/-0.000 χ^2/NDF: 76.7/58

- sign -0.000+/-0.000 χ^2/NDF: 29.3/29

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:5728946.6/12

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

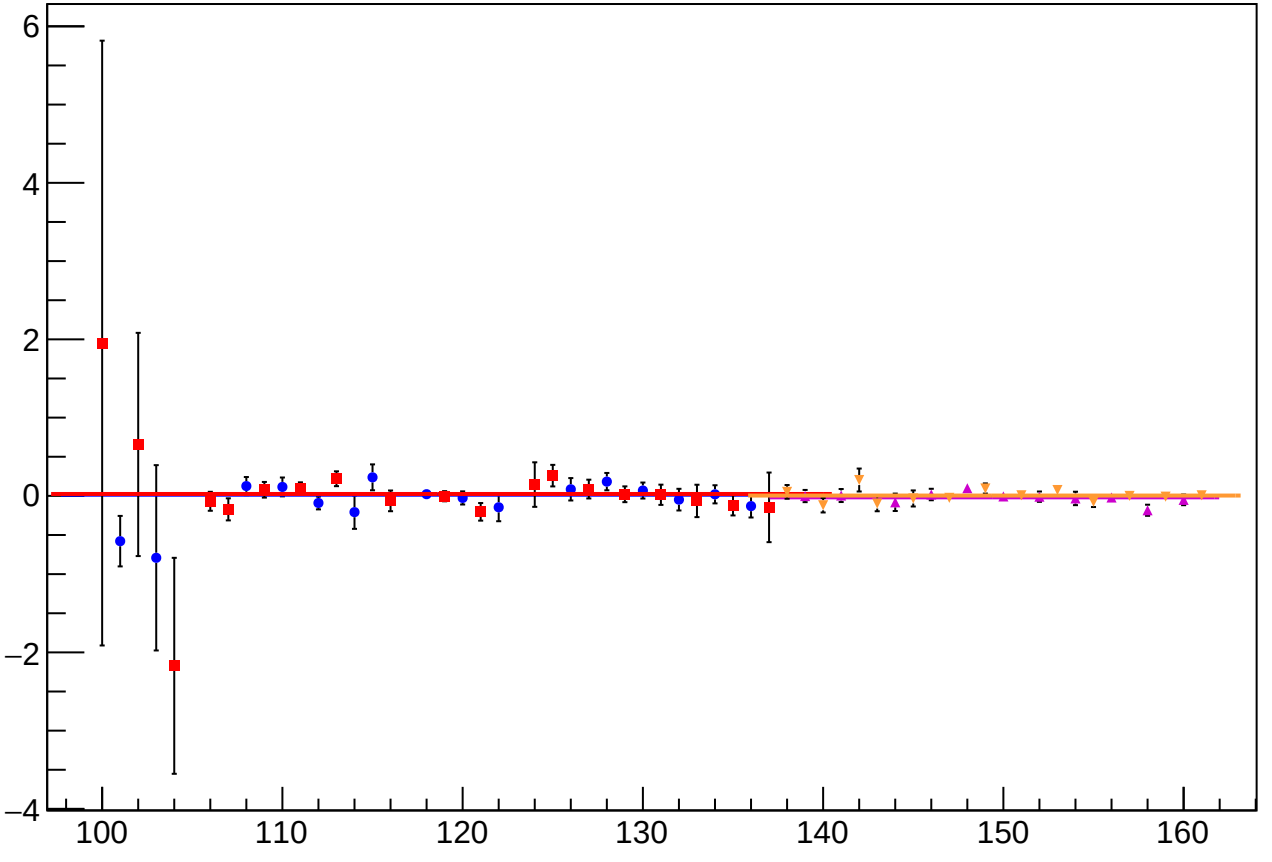
Left In: 0.001+/-0.000 χ^2/NDF:4905324.6/10

+ sign 0.001+/-0.000 χ^2/NDF: 9766718.6/28

All: 0.001+/-0.000 χ^2/NDF: 18928685.0/58

- sign 0.001+/-0.000 χ^2/NDF: 9156525.1/29

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.004+/-0.019 χ^2/NDF:10.3/12

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

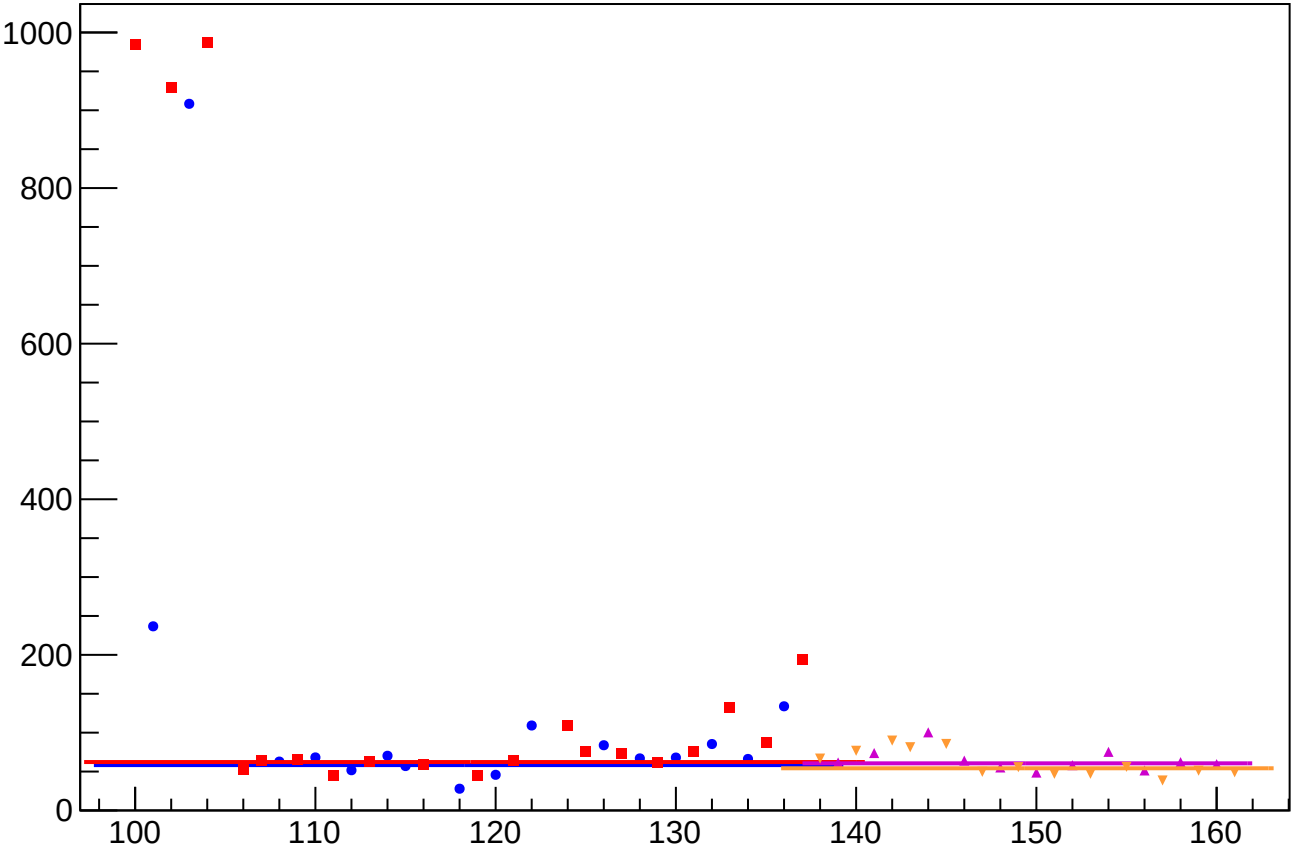
Left In: -0.019+/-0.021 χ^2/NDF:9.7/10

+ sign 0.008+/-0.016 χ^2/NDF: 25.4/28

All: 0.003+/-0.012 χ^2/NDF: 57.7/58

- sign -0.003+/-0.017 χ^2/NDF: 32.0/29

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.208+/-0.014 χ^2/NDF:849579.2/12

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

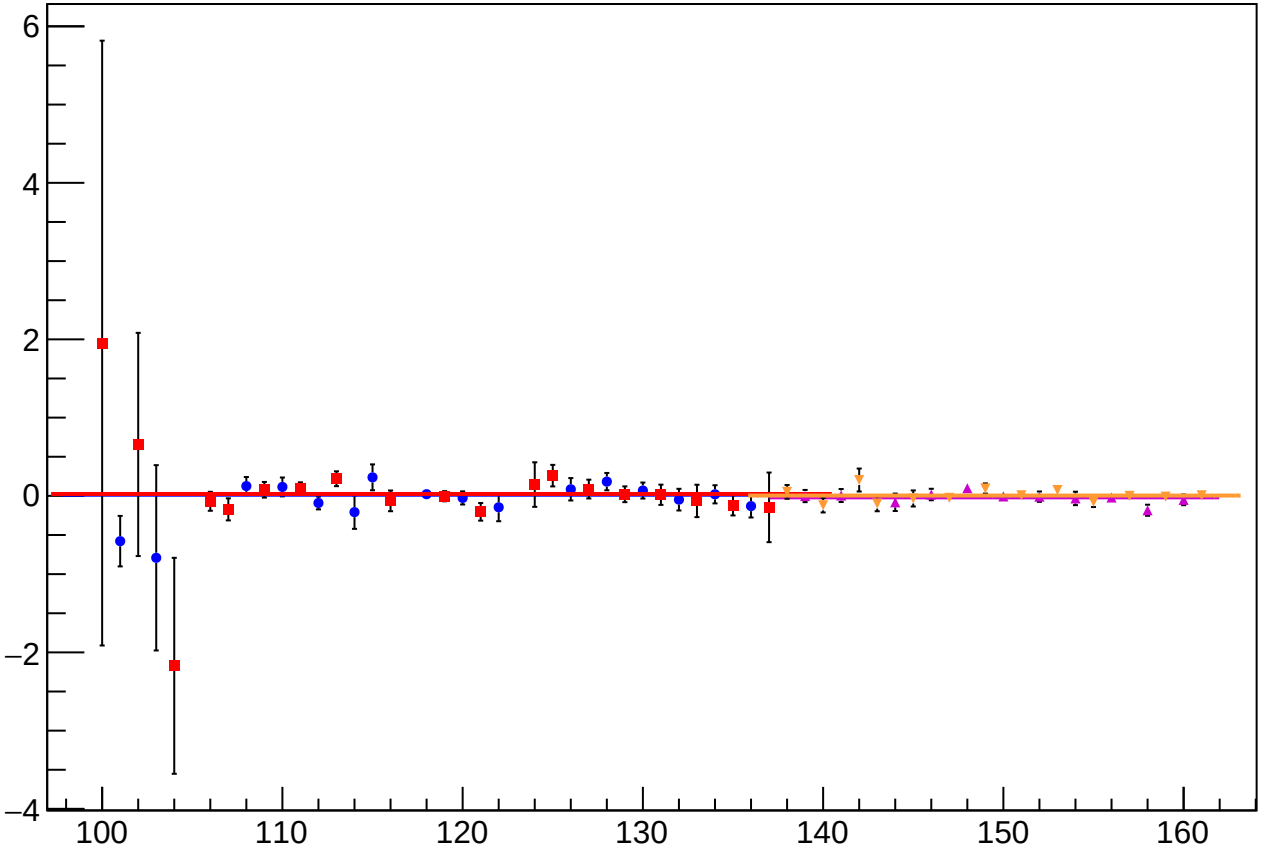
Left In: 60.570+/-0.015 χ^2/NDF:522914.7/10

+ sign 55.541+/-0.011 χ^2/NDF: 4139423.4/28

All: 58.167+/-0.008 χ^2/NDF: 7411522.6/58

- sign 61.183+/-0.012 χ^2/NDF: 3154398.8/29

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: 0.004+/-0.019 χ^2/NDF:10.3/12

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

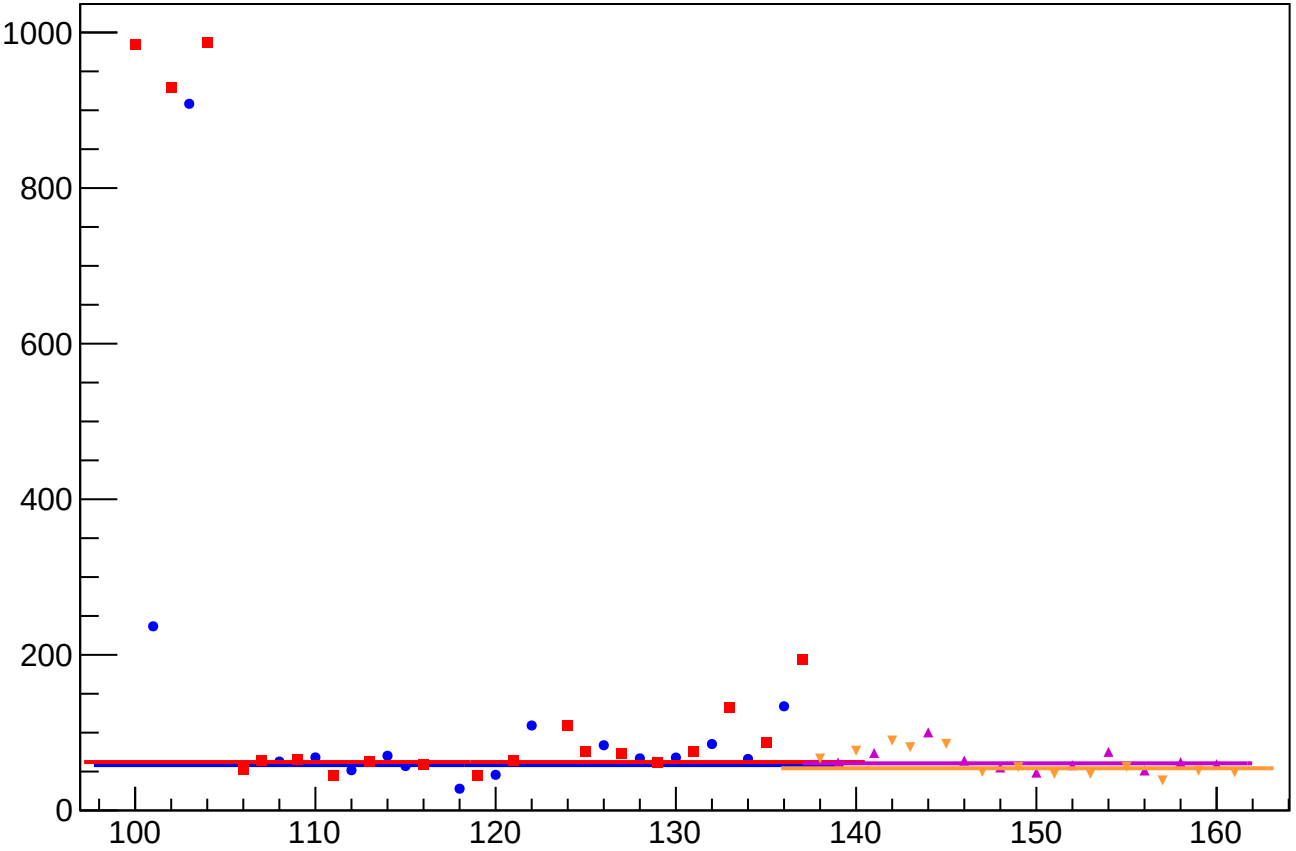
Left In: -0.019+/-0.021 χ^2/NDF:9.7/10

+ sign 0.008+/-0.016 χ^2/NDF: 25.4/28

All: 0.003+/-0.012 χ^2/NDF: 57.7/58

- sign -0.003+/-0.017 χ^2/NDF: 32.0/29

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: 54.208+/-0.014 χ^2/NDF:849579.2/12

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

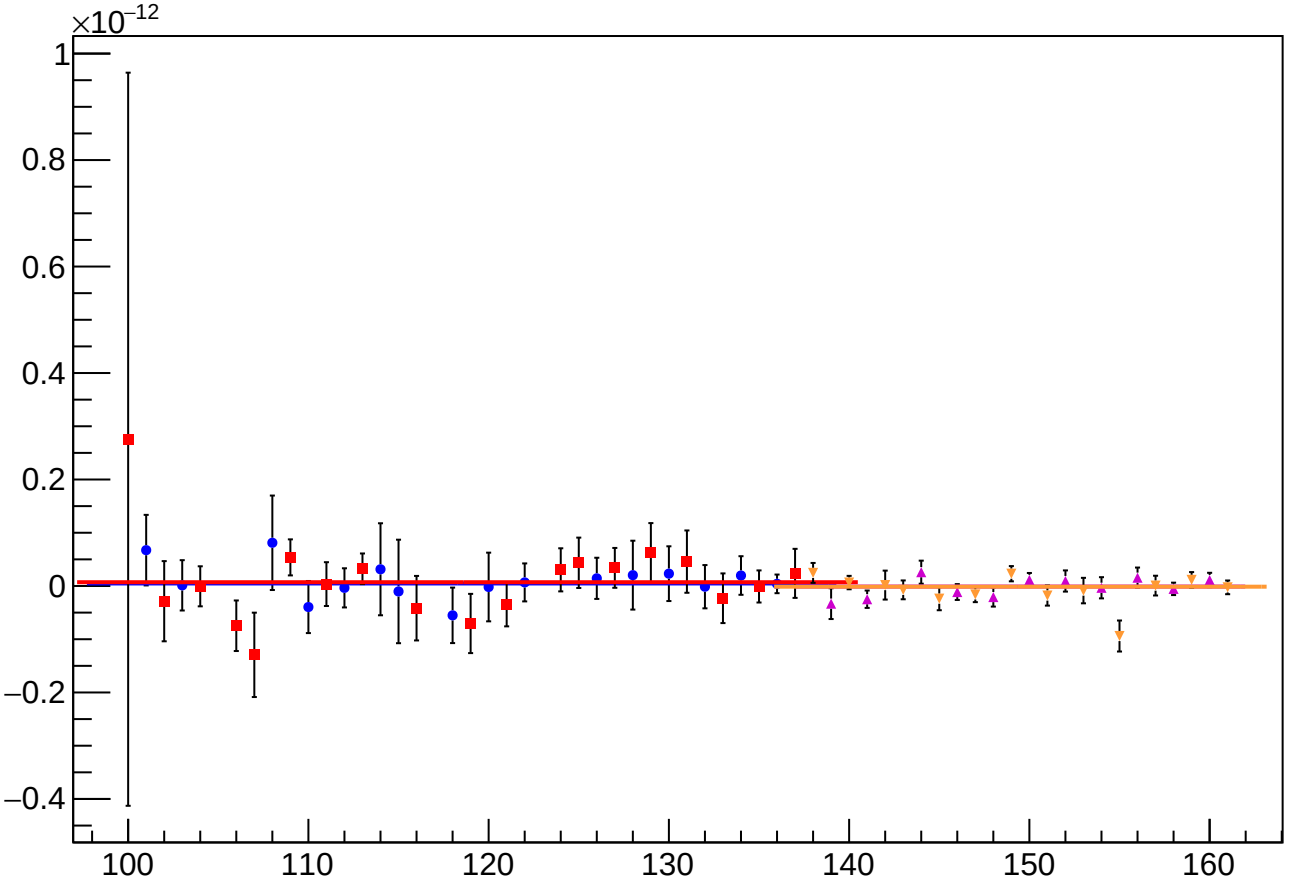
Left In: 60.570+/-0.015 χ^2/NDF:522914.7/10

+ sign 55.541+/-0.011 χ^2/NDF: 4139423.4/28

All: 58.167+/-0.008 χ^2/NDF: 7411522.6/58

- sign 61.183+/-0.012 χ^2/NDF: 3154398.8/29

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:19.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

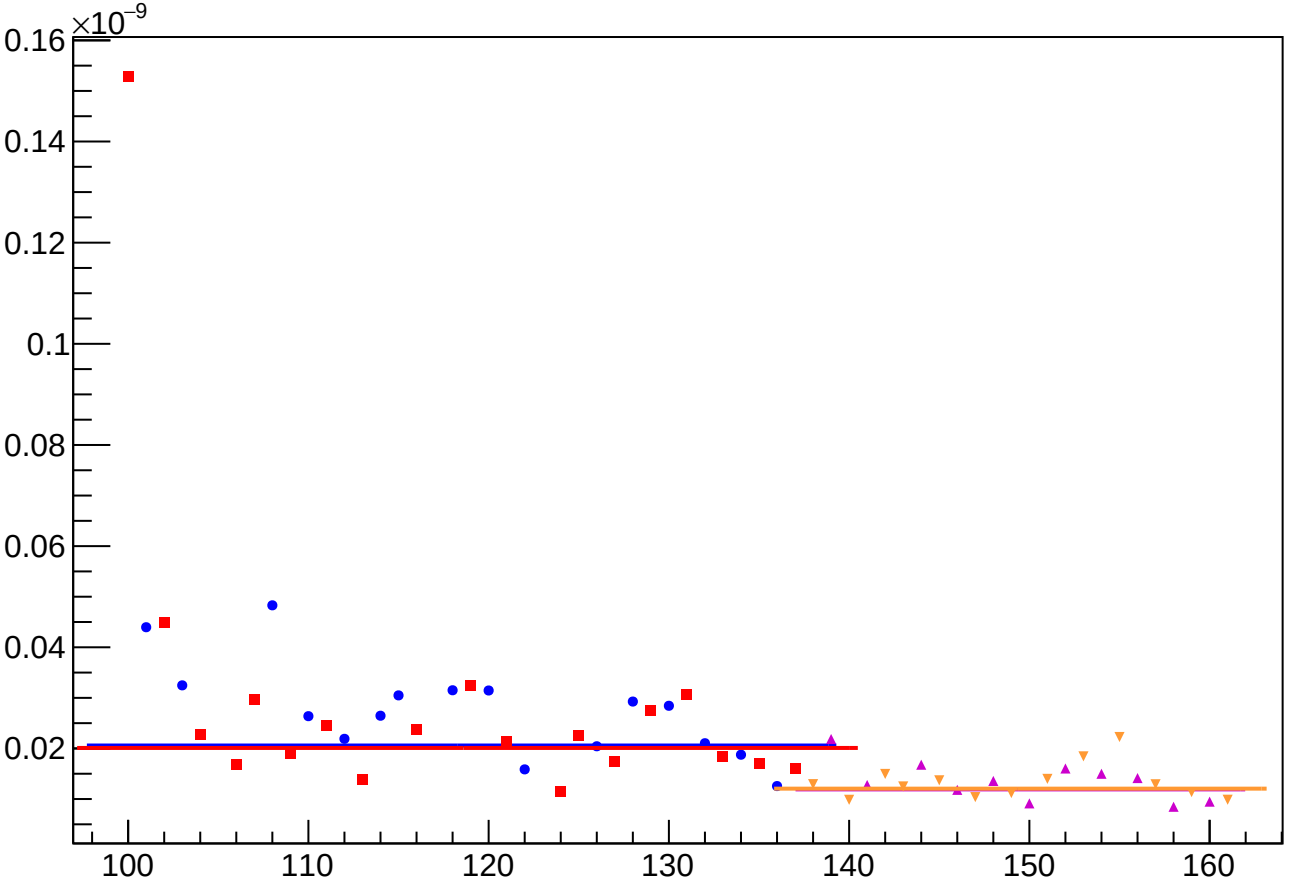
Left In: -0.000+/-0.000 χ^2/NDF:9.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 23.9/28

All: 0.000+/-0.000 χ^2/NDF: 50.1/58

- sign 0.000+/-0.000 χ^2/NDF: 26.2/29

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:610835.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

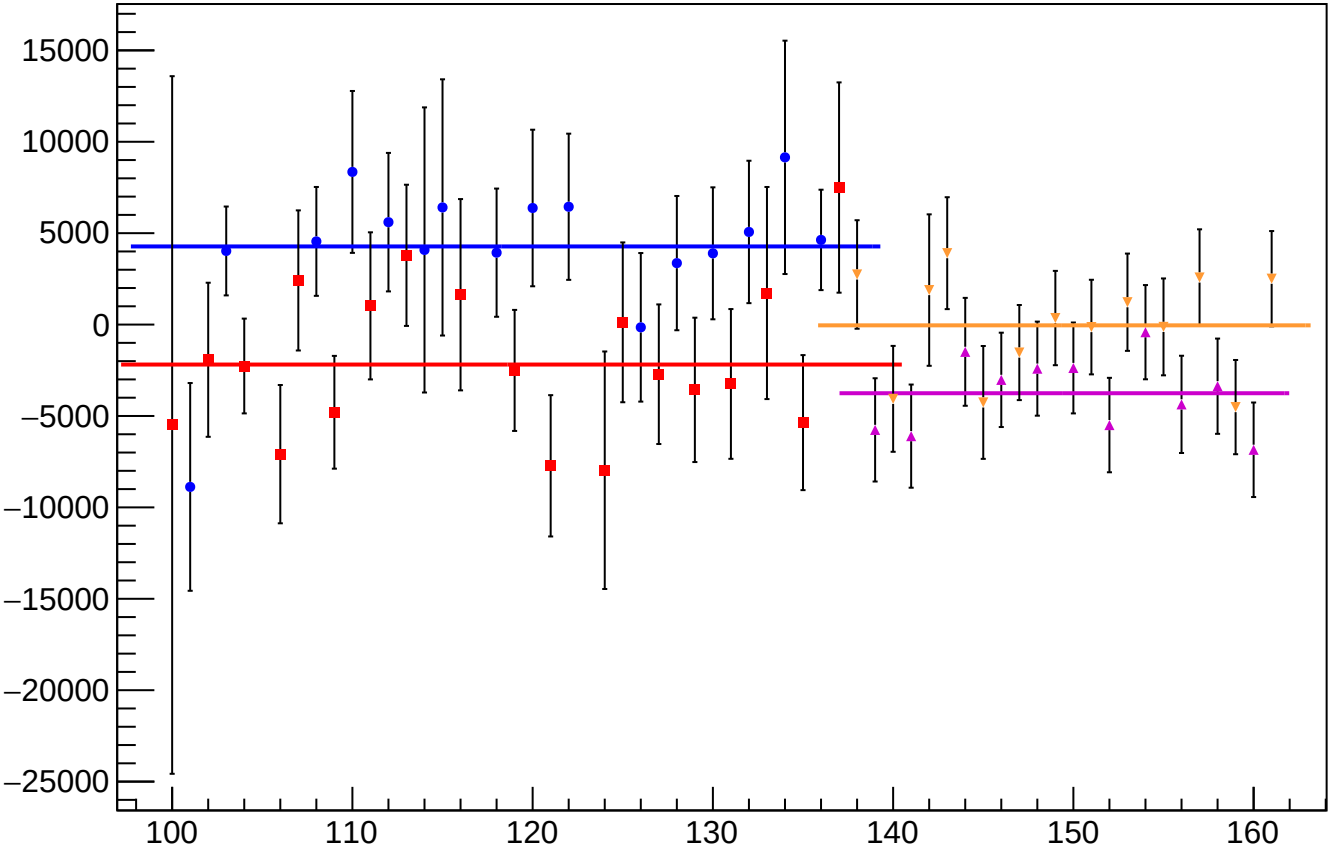
Left In: 0.000+/-0.000 χ^2/NDF:853453.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 3071590.4/28

All: 0.000+/-0.000 χ^2/NDF: 5798983.1/58

- sign 0.000+/-0.000 χ^2/NDF: 2727081.6/29

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -41.910+/-772.560 χ^2/NDF:12.1/12

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

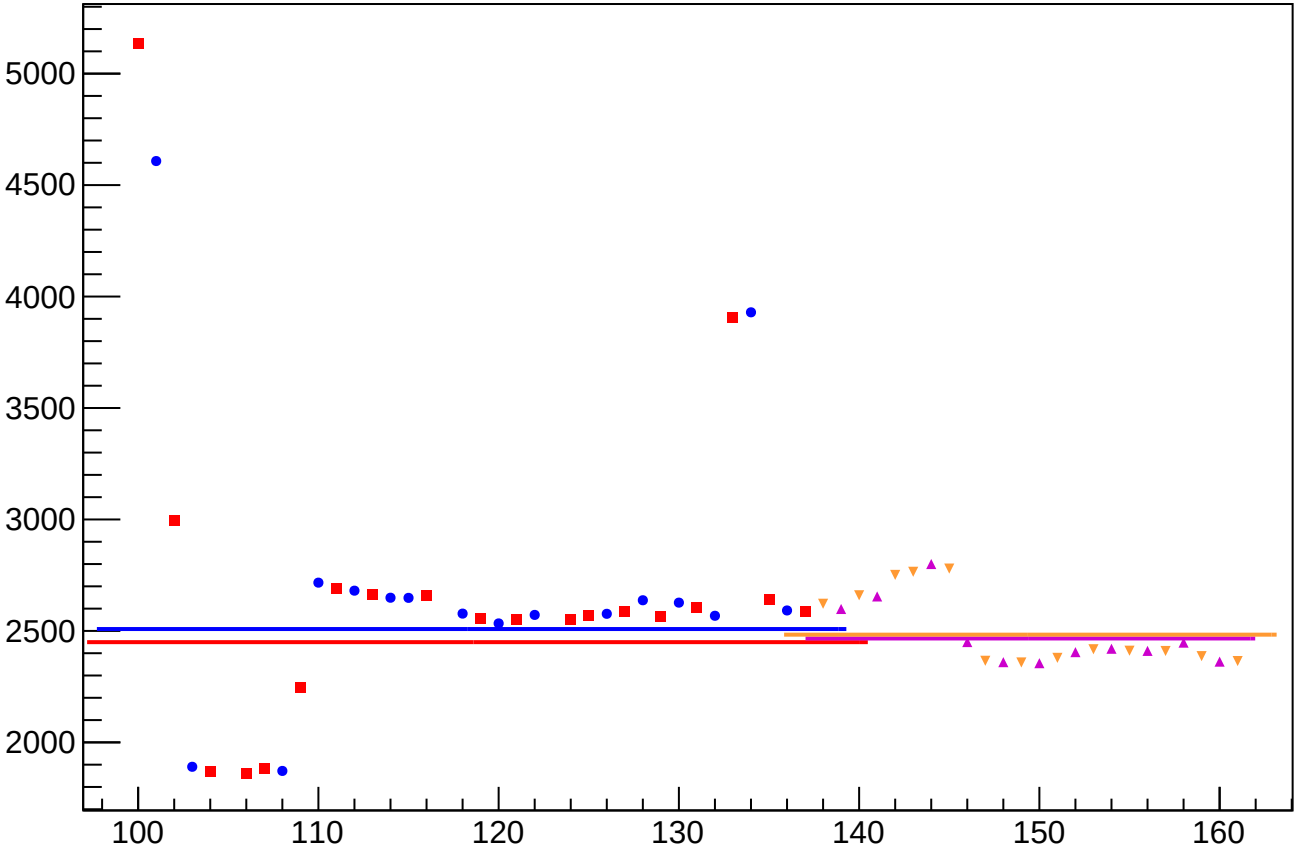
Left In: -3755.199+/-798.743 χ^2/NDF:6.1/10

+ sign 1672.037+/-599.873 χ^2/NDF: 33.4/28

All: -690.039+/-425.533 χ^2/NDF: 87.1/58

- sign -3082.628+/-603.735 χ^2/NDF: 22.5/29

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2483.244+/-0.546 χ^2/NDF:78722.6/12

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

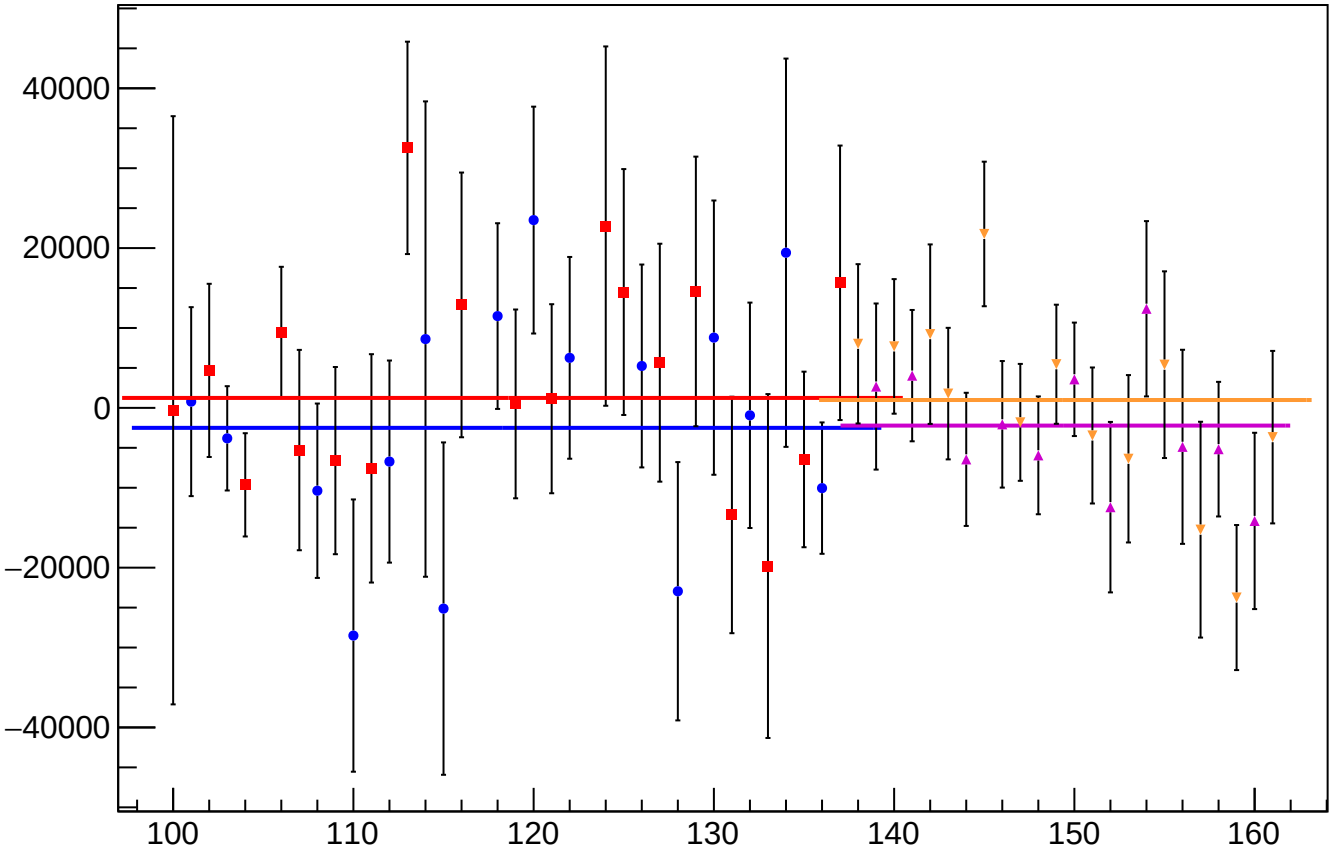
Left In: 2466.120+/-0.565 χ^2/NDF:52367.4/10

+ sign 2493.259+/-0.424 χ^2/NDF: 691158.8/28

All: 2476.263+/-0.301 χ^2/NDF: 1184024.5/58

- sign 2459.048+/-0.427 χ^2/NDF: 489634.1/29

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 983.971+/-2563.526 χ^2/NDF:17.4/12

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

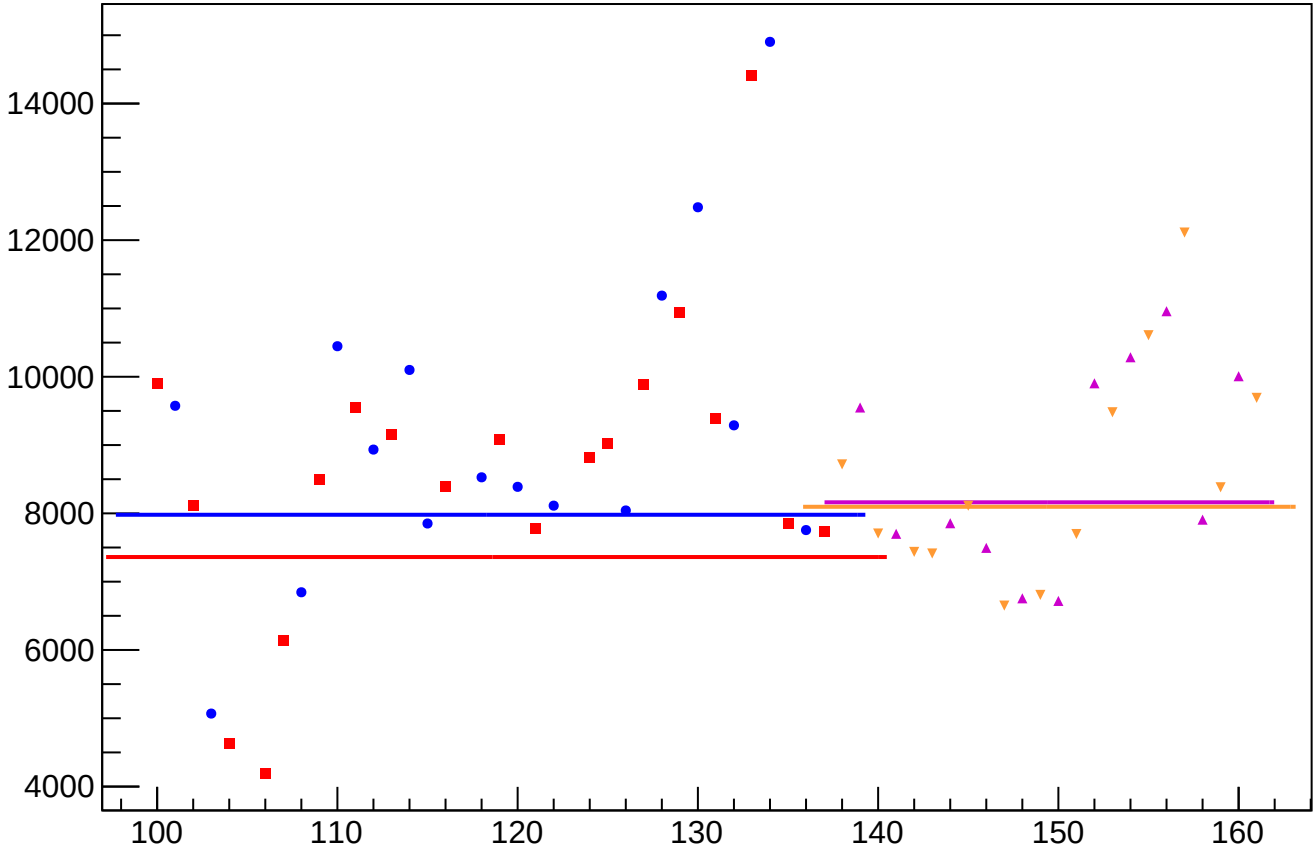
Left In: -2217.719+/-2684.274 χ^2/NDF:6.0/10

+ sign -444.490+/-1969.185 χ^2/NDF: 31.9/28

All: -518.741+/-1387.350 χ^2/NDF: 55.3/58

- sign -591.920+/-1954.913 χ^2/NDF: 23.4/29

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8096.360+/-1.813 χ^2/NDF:524943.1/12

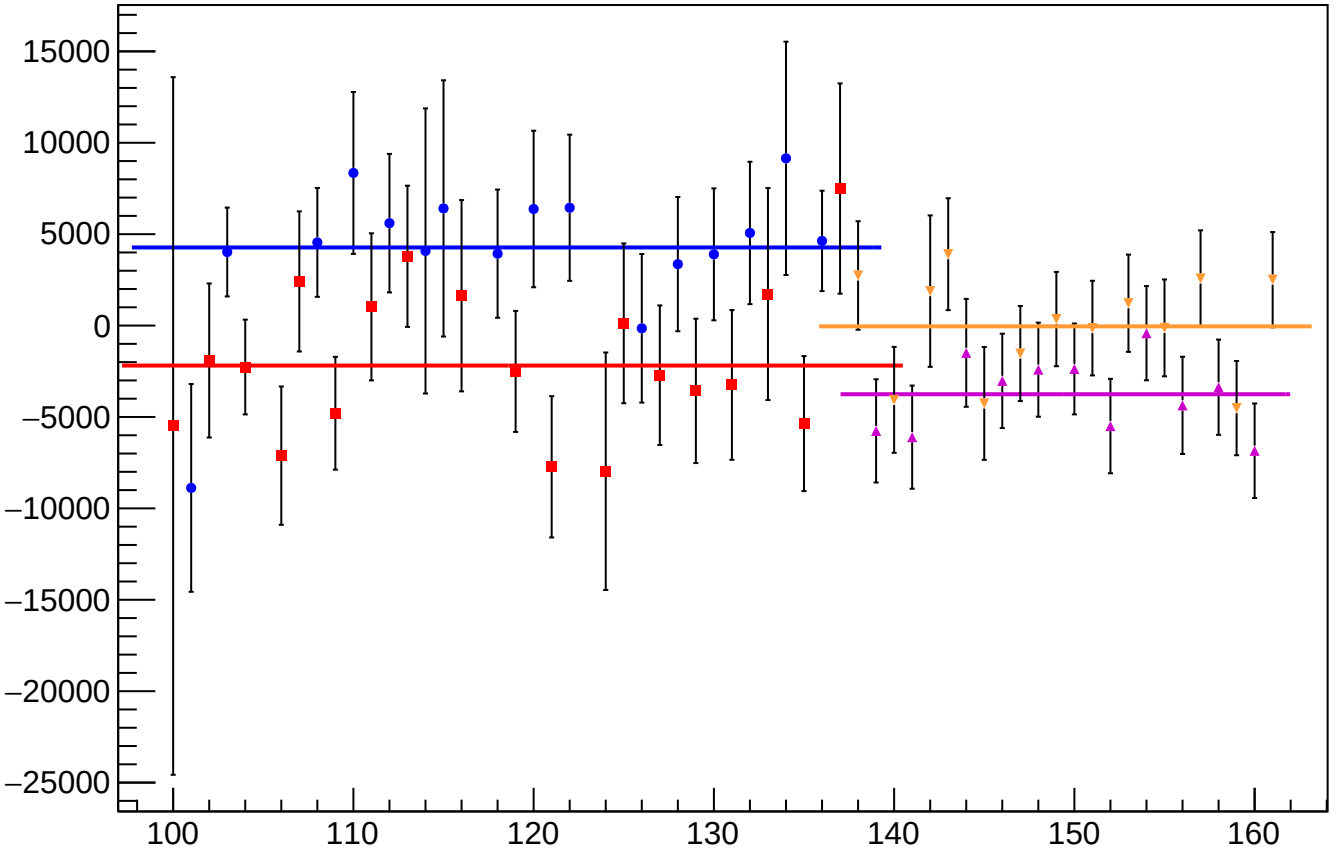
Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8161.955+/-1.898 χ^2/NDF:506332.3/10

+ sign 8048.450+/-1.392 χ^2/NDF: 1449731.0/28

All: 7916.121+/-0.981 χ^2/NDF: 3343681.3/58

- sign 7785.703+/-1.382 χ^2/NDF: 1876017.4/29



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -42.160+/-772.560 χ^2/NDF:12.1/12

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

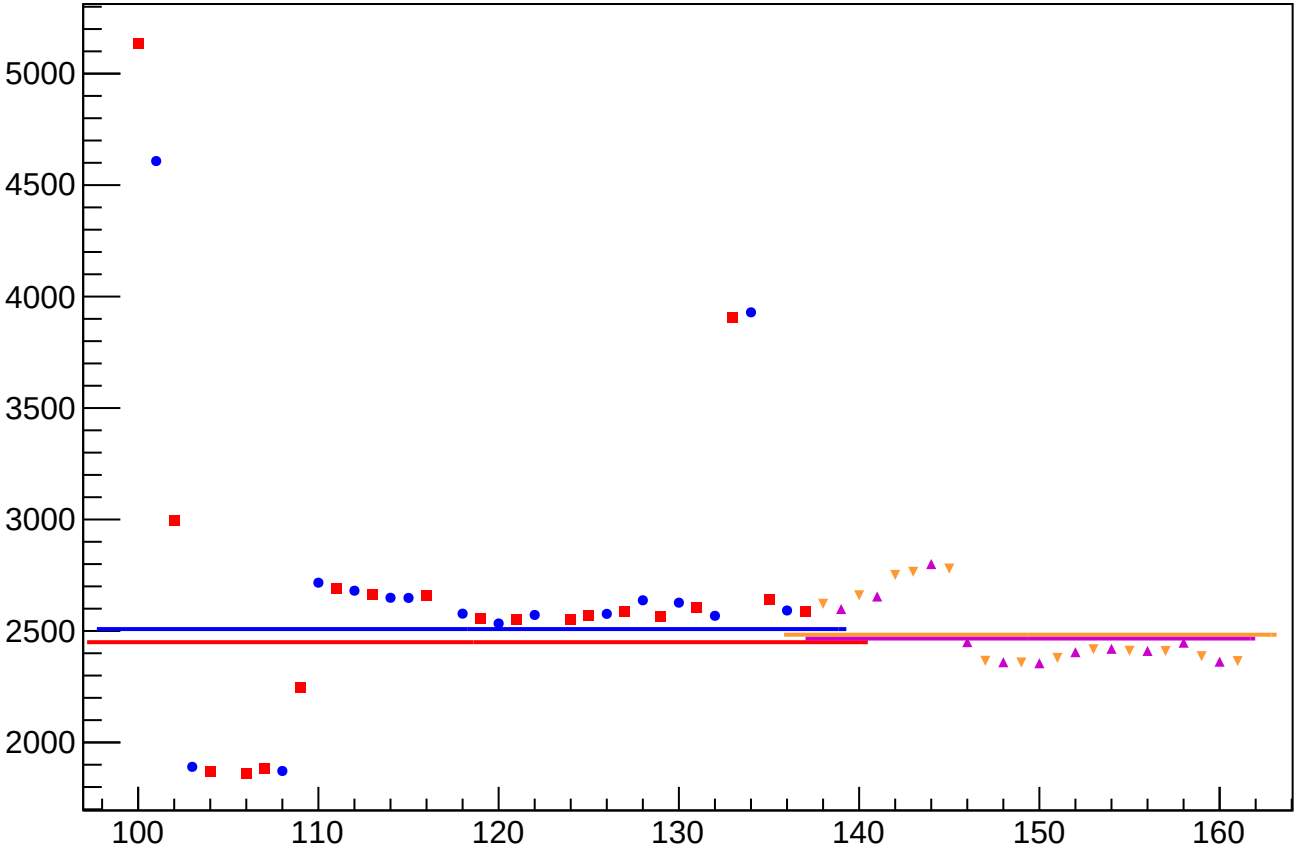
Left In: -3755.262+/-798.743 χ^2/NDF:6.1/10

+ sign 1671.691+/-599.873 χ^2/NDF: 33.4/28

All: -690.359+/-425.534 χ^2/NDF: 87.1/58

- sign -3082.937+/-603.737 χ^2/NDF: 22.6/29

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2483.244+/-0.546 χ^2/NDF:78722.6/12

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

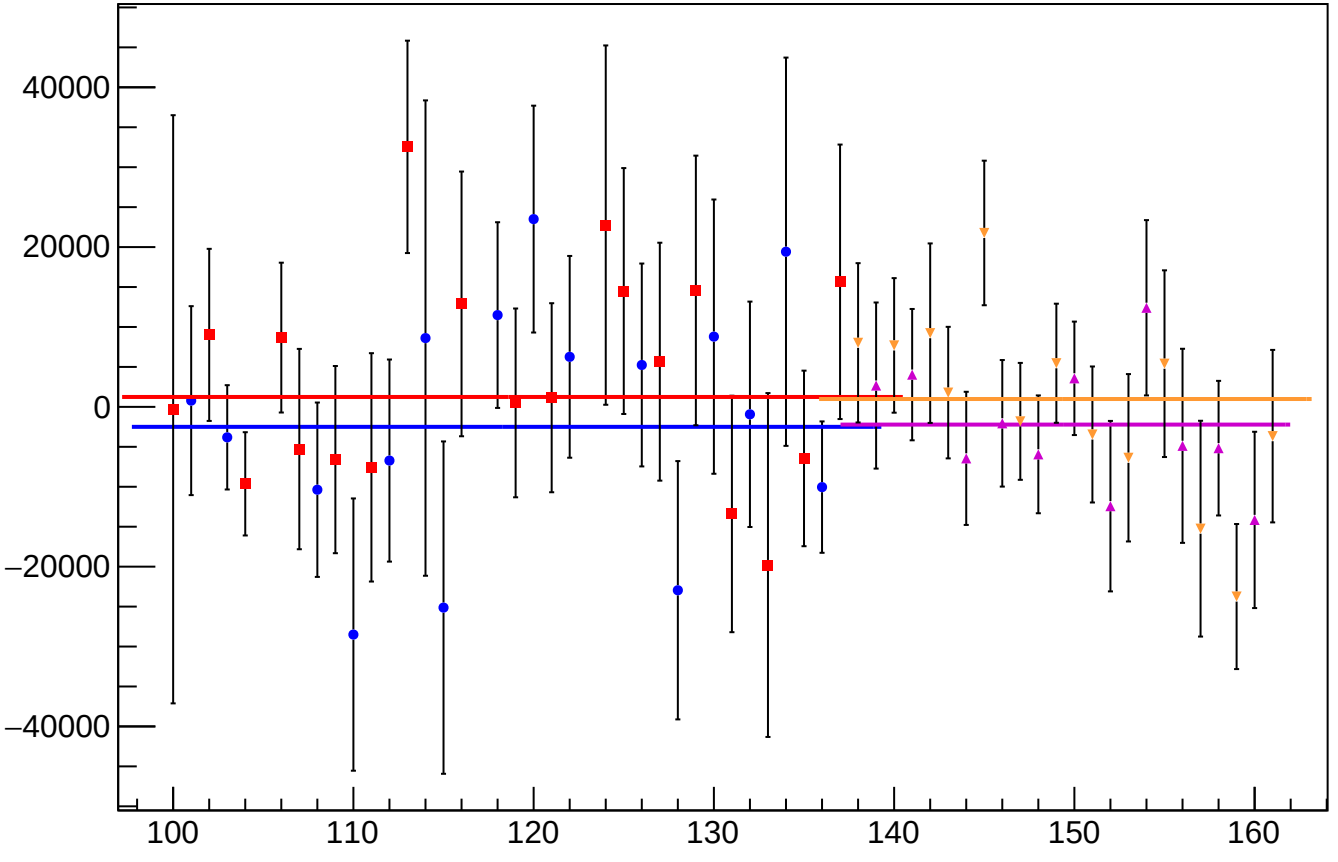
Left In: 2466.120+/-0.565 χ^2/NDF:52367.3/10

+ sign 2493.260+/-0.424 χ^2/NDF: 691156.6/28

All: 2476.269+/-0.301 χ^2/NDF: 1183965.0/58

- sign 2459.059+/-0.427 χ^2/NDF: 489578.6/29

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 983.912+/-2563.522 χ^2/NDF:17.4/12

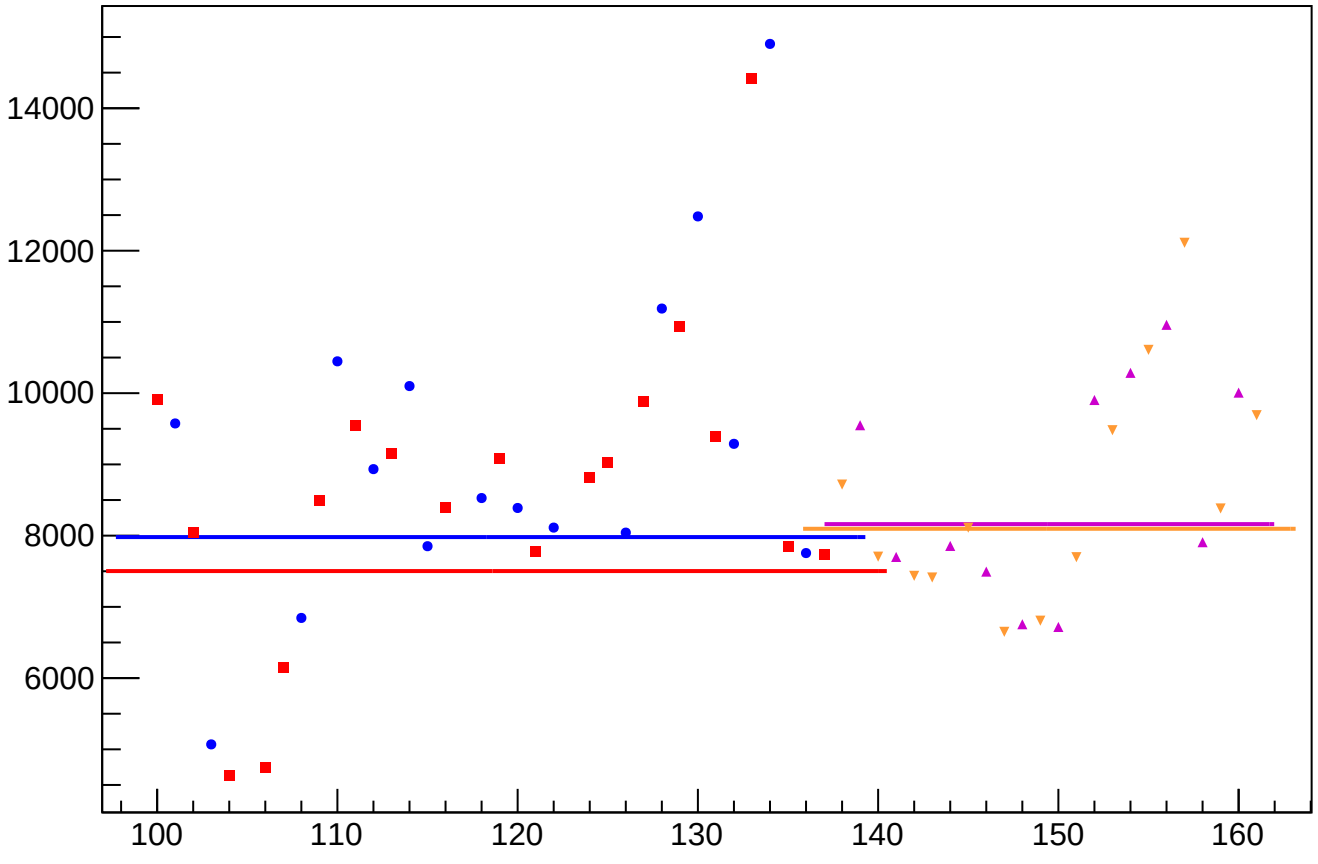
Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: -2217.859+/-2684.274 χ^2/NDF:6.0/10

+ sign -444.383+/-1969.206 χ^2/NDF: 31.9/28

All: -531.491+/-1391.967 χ^2/NDF: 55.3/58

- sign -618.481+/-1967.871 χ^2/NDF: 23.4/29



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8096.346+/-1.813 χ^2/NDF:524948.7/12

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

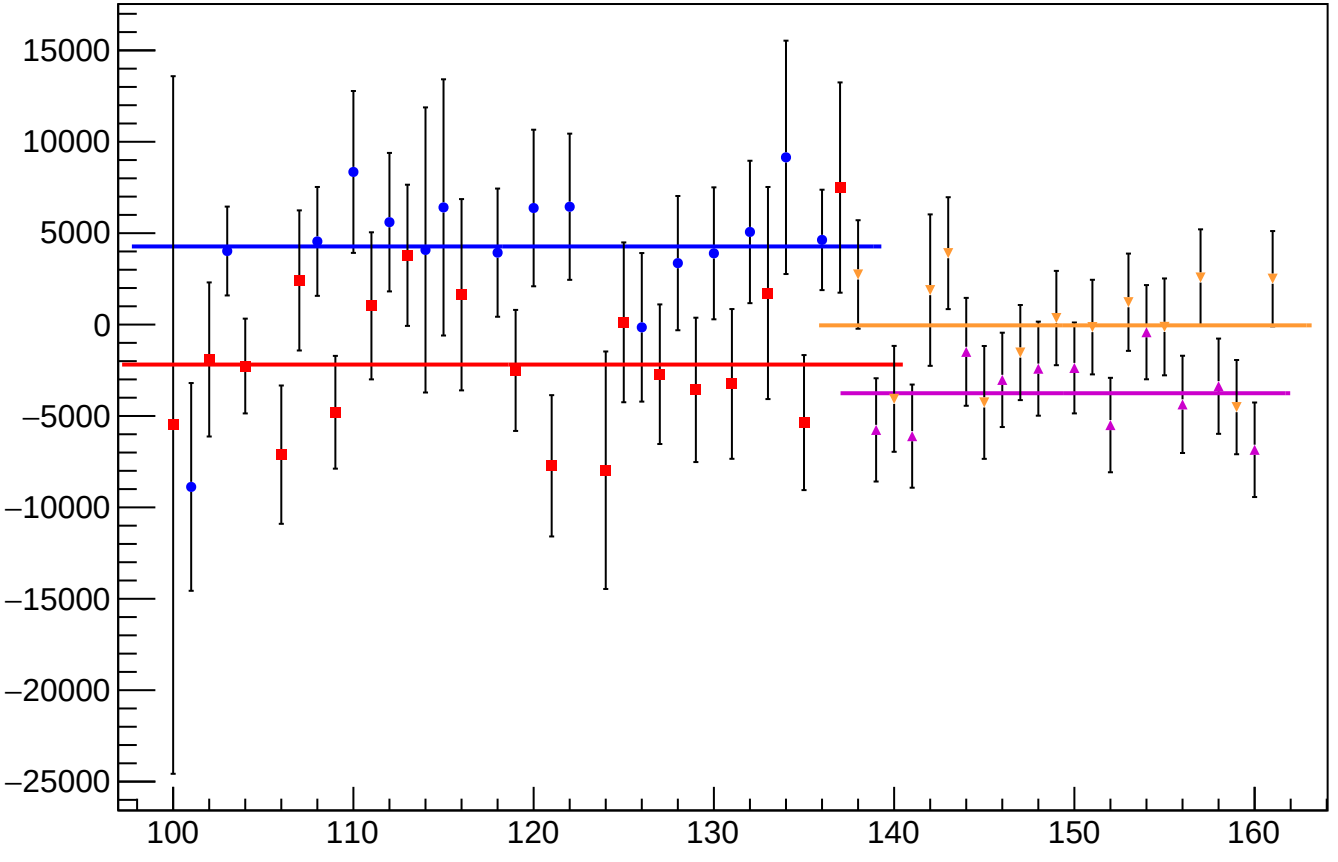
Left In: 8161.955+/-1.898 χ^2/NDF:506334.2/10

+ sign 8048.576+/-1.392 χ^2/NDF: 1449428.3/28

All: 7952.728+/-0.984 χ^2/NDF: 3156559.1/58

- sign 7857.011+/-1.391 χ^2/NDF: 1697661.0/29

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -42.160+/-772.560 χ^2/NDF:12.1/12

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

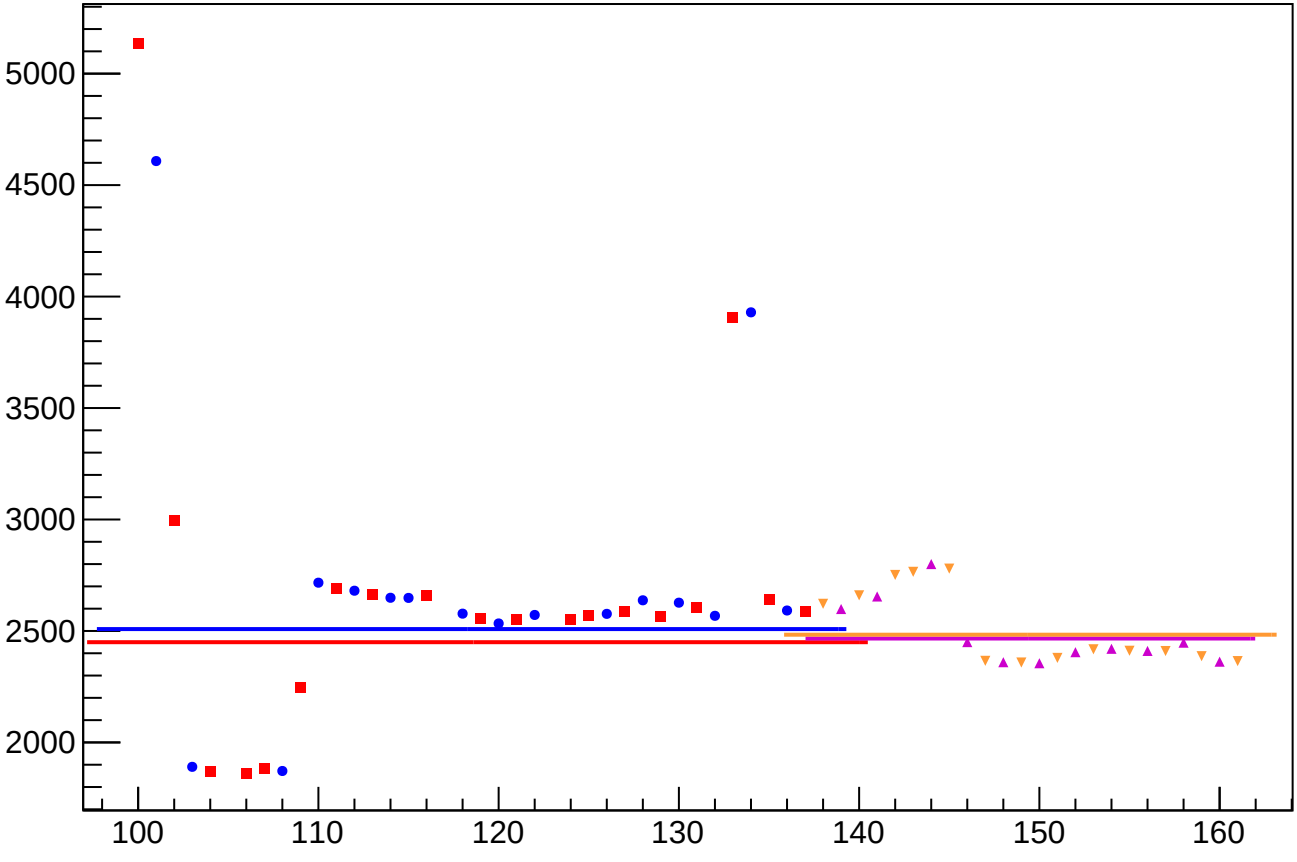
Left In: -3755.262+/-798.743 χ^2/NDF:6.1/10

+ sign 1671.691+/-599.873 χ^2/NDF: 33.4/28

All: -690.359+/-425.534 χ^2/NDF: 87.1/58

- sign -3082.937+/-603.737 χ^2/NDF: 22.6/29

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2483.244+/-0.546 χ^2/NDF:78722.6/12

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

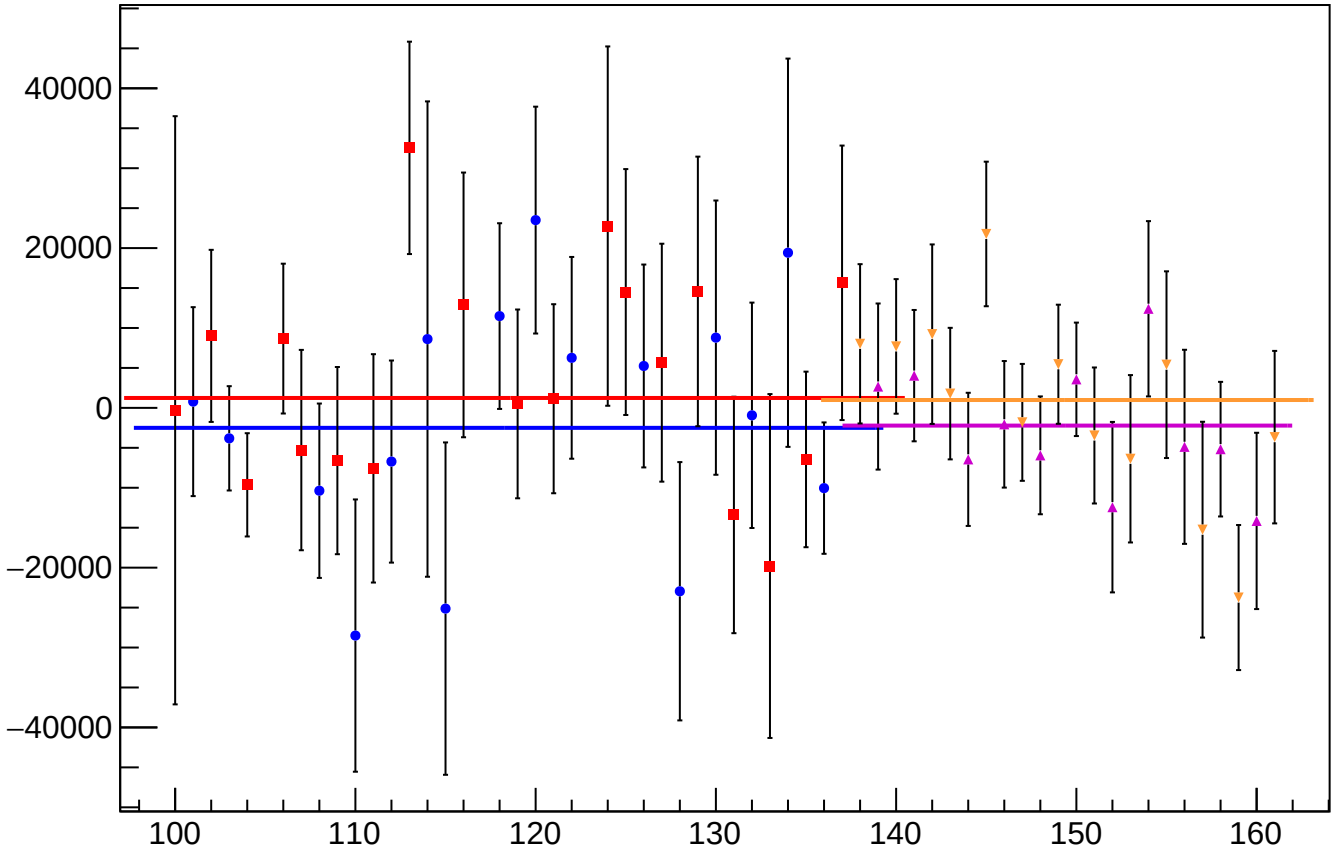
Left In: 2466.120+/-0.565 χ^2/NDF:52367.3/10

+ sign 2493.260+/-0.424 χ^2/NDF: 691156.6/28

All: 2476.269+/-0.301 χ^2/NDF: 1183965.0/58

- sign 2459.059+/-0.427 χ^2/NDF: 489578.6/29

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 983.912+/-2563.522 χ^2/NDF:17.4/12

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

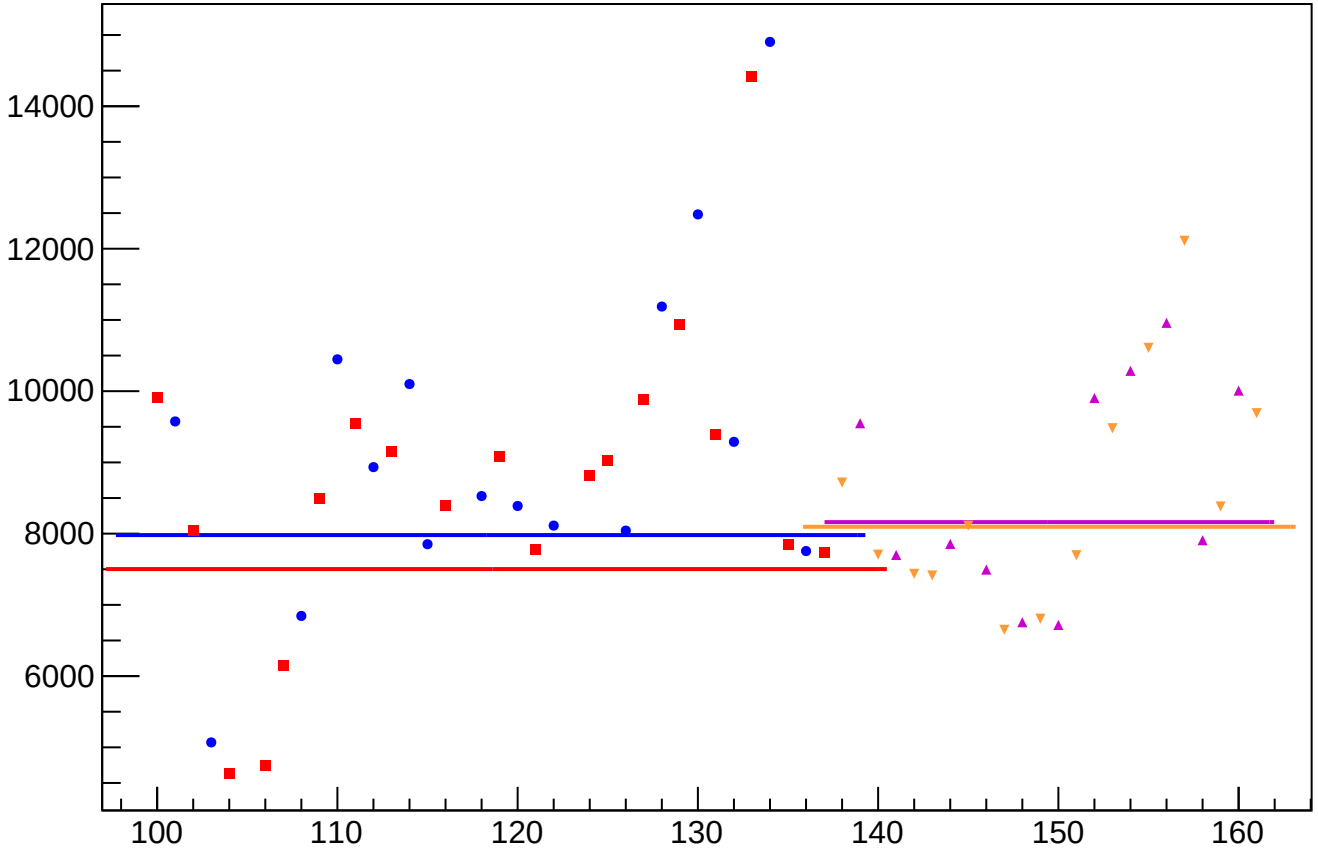
Left In: -2217.859+/-2684.274 χ^2/NDF:6.0/10

+ sign -444.383+/-1969.206 χ^2/NDF: 31.9/28

All: -531.491+/-1391.967 χ^2/NDF: 55.3/58

- sign -618.481+/-1967.871 χ^2/NDF: 23.4/29

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8096.346+/-1.813 χ^2/NDF:524948.7/12

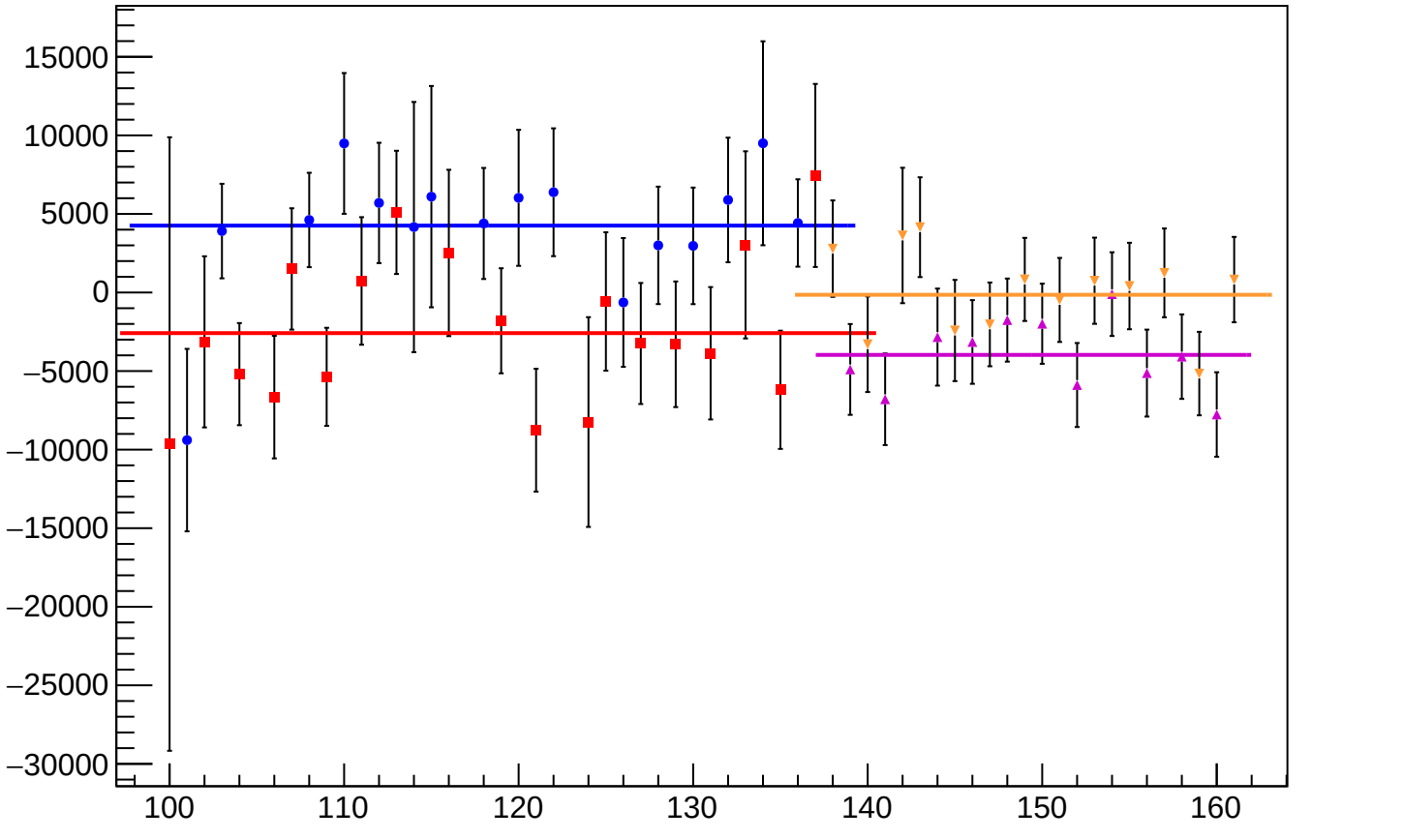
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8161.955+/-1.898 χ^2/NDF:506334.2/10

+ sign 8048.576+/-1.392 χ^2/NDF: 1449428.3/28

All: 7952.728+/-0.984 χ^2/NDF: 3156559.1/58

- sign 7857.011+/-1.391 χ^2/NDF: 1697661.0/29



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: -146.280+/-802.106 χ^2/NDF:9.8/12

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

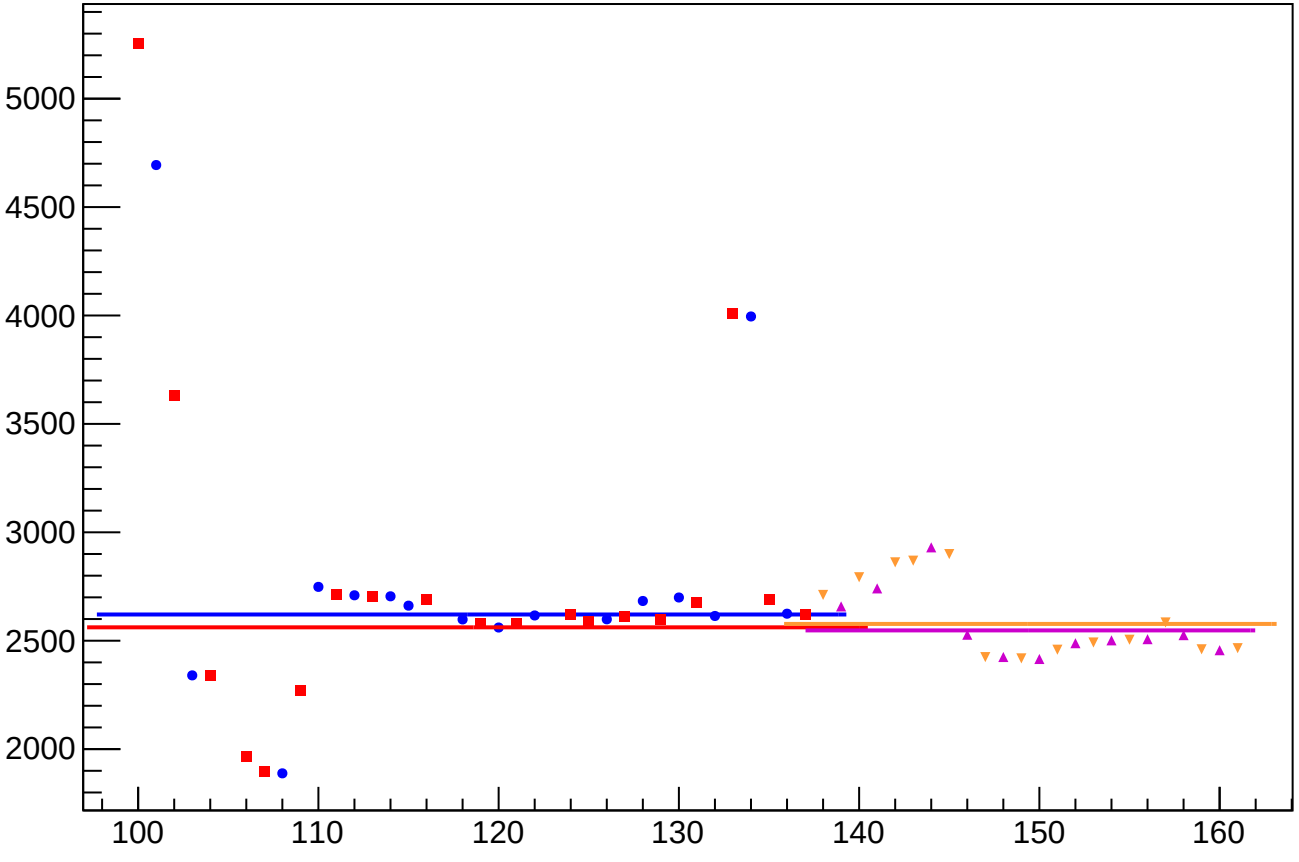
Left In: -3971.876+/-825.253 χ^2/NDF:7.4/10

+ sign 1597.555+/-623.359 χ^2/NDF: 31.8/28

All: -878.155+/-442.229 χ^2/NDF: 89.8/58

- sign -3386.645+/-627.473 χ^2/NDF: 26.2/29

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2577.425+/-0.567 χ^2/NDF:87793.2/12

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

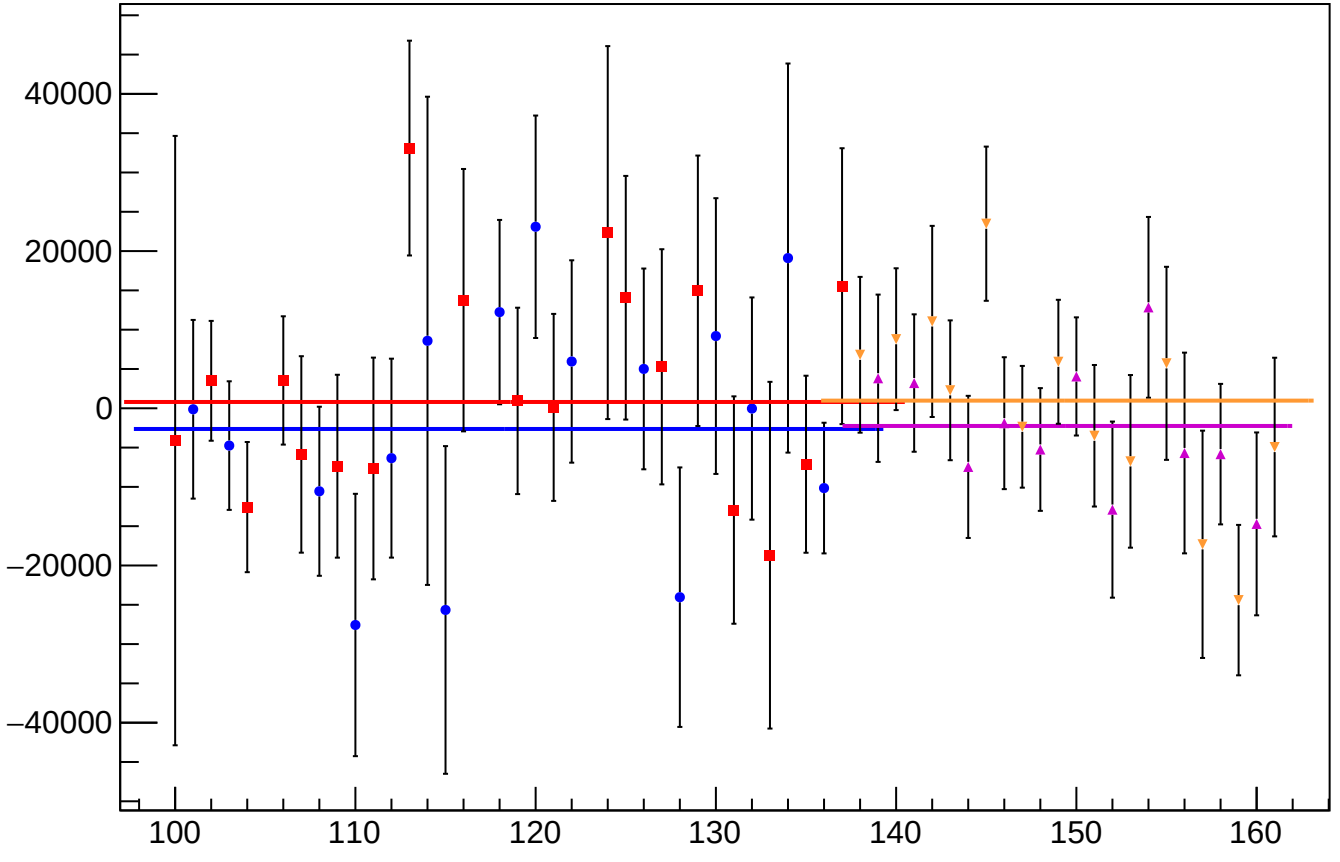
Left In: 2547.561+/-0.584 χ^2/NDF:56732.1/10

+ sign 2594.668+/-0.441 χ^2/NDF: 576041.0/28

All: 2574.233+/-0.313 χ^2/NDF: 1015607.0/58

- sign 2553.538+/-0.444 χ^2/NDF: 435240.1/29

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 975.286+/-2714.323 χ^2/NDF:17.4/12

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

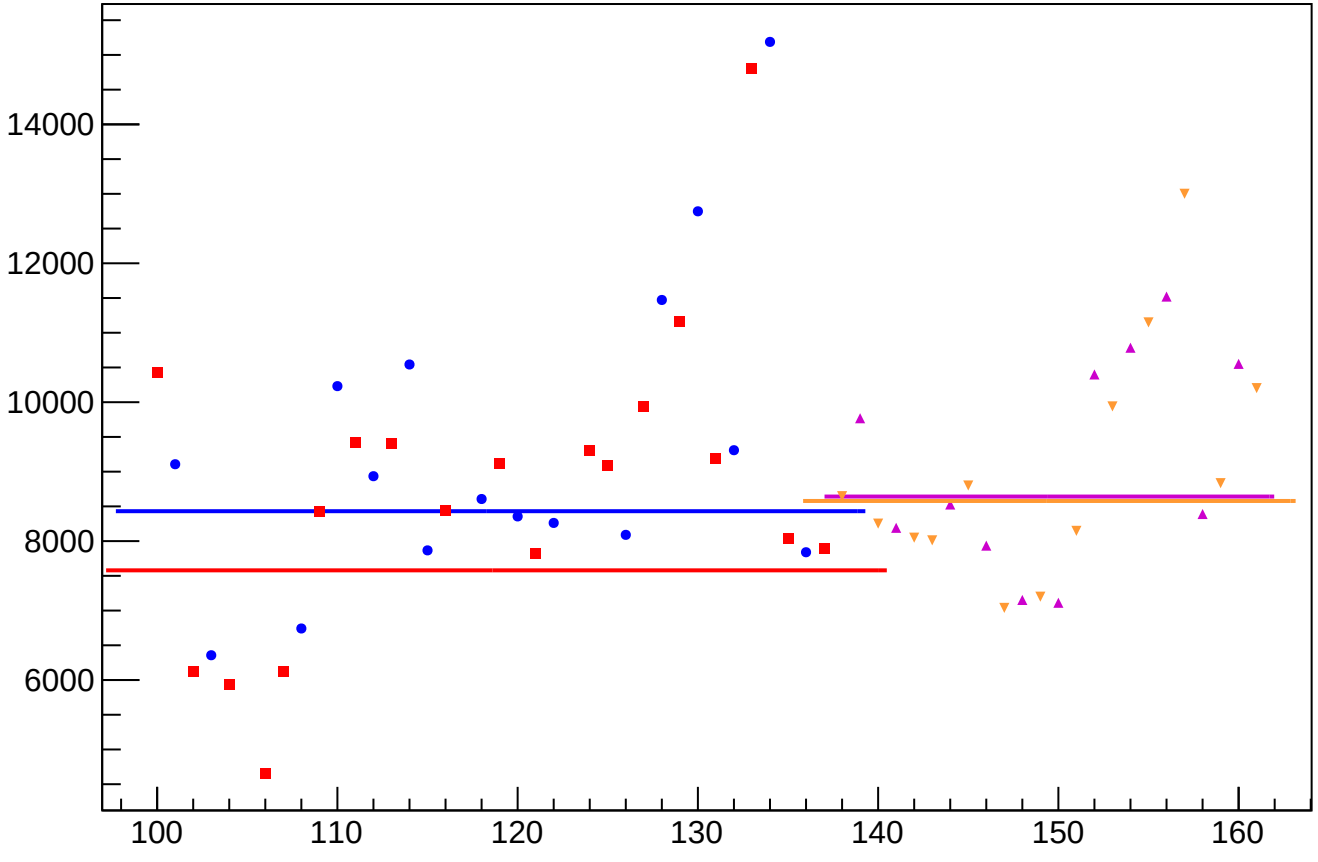
Left In: -2248.662+/-2839.674 χ^2/NDF:5.9/10

+ sign -527.785+/-2073.065 χ^2/NDF: 32.0/28

All: -637.001+/-1446.609 χ^2/NDF: 53.9/58

- sign -740.658+/-2019.609 χ^2/NDF: 21.9/29

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8577.951+/-1.919 χ^2/NDF:508190.0/12

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

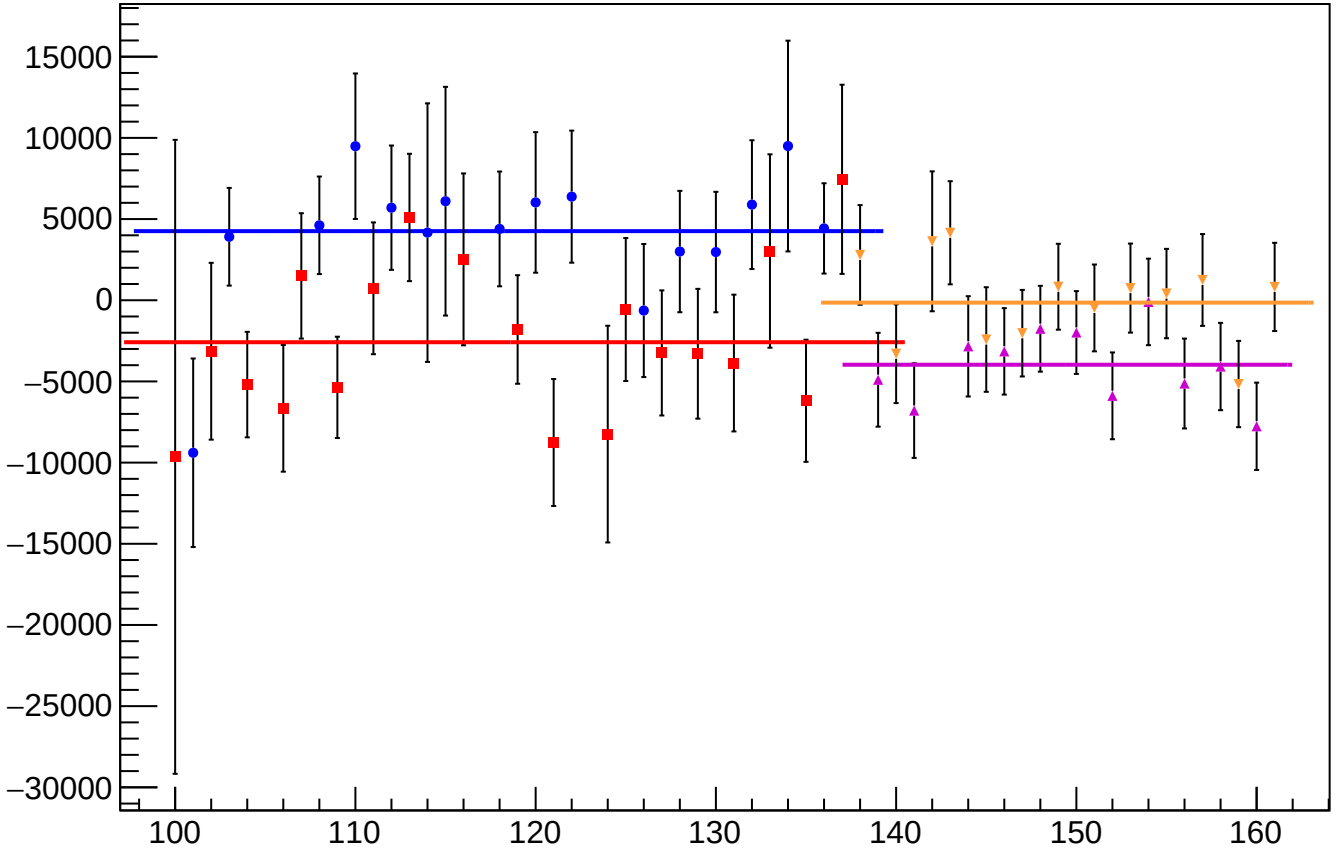
Left In: 8641.546+/-2.008 χ^2/NDF:473561.2/10

+ sign 8516.622+/-1.466 χ^2/NDF: 1090935.4/28

All: 8311.343+/-1.023 χ^2/NDF: 2715196.9/58

- sign 8116.515+/-1.428 χ^2/NDF: 1586038.4/29

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: -146.299+/-802.107 χ^2/NDF:9.8/12

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

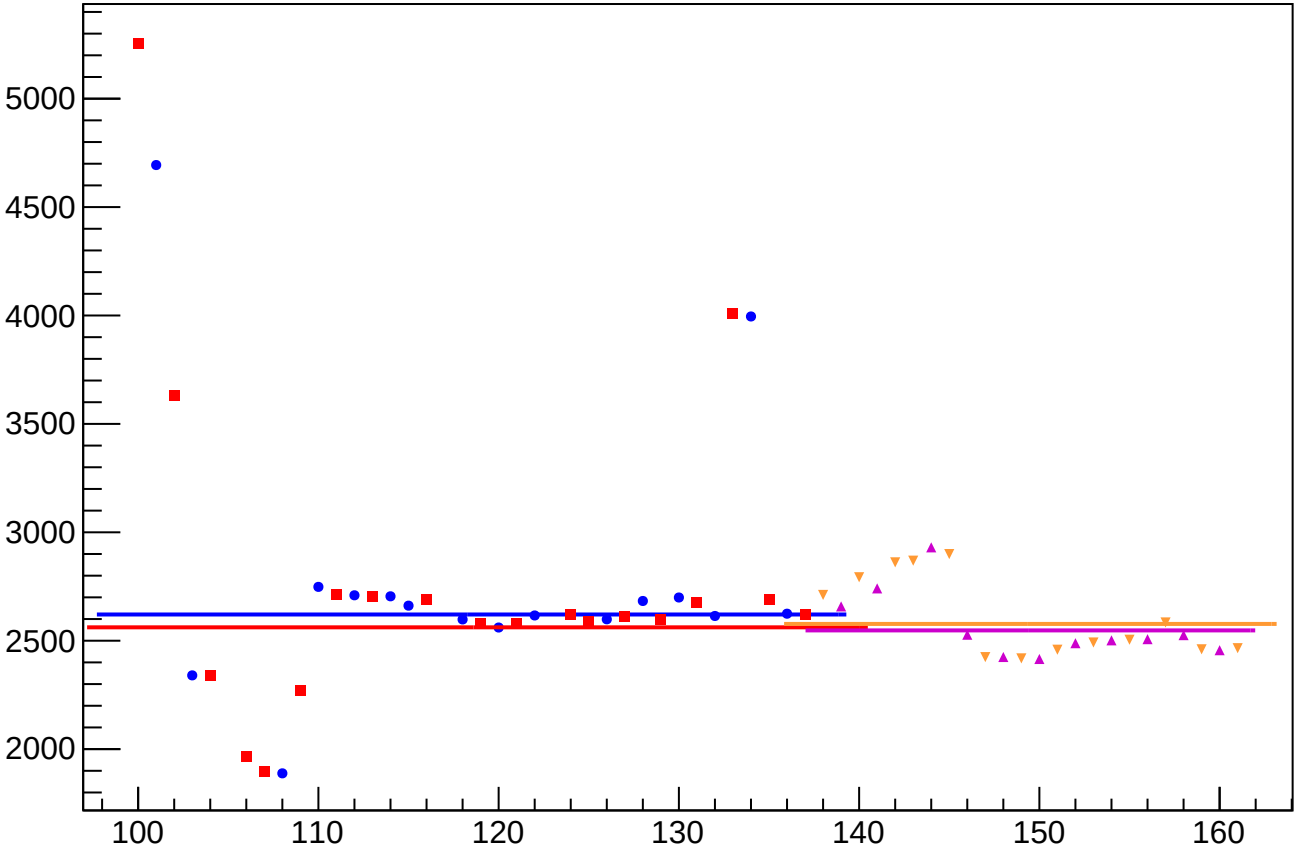
Left In: -3971.877+/-825.253 χ^2/NDF:7.4/10

+ sign 1597.549+/-623.360 χ^2/NDF: 31.8/28

All: -878.160+/-442.229 χ^2/NDF: 89.8/58

- sign -3386.650+/-627.473 χ^2/NDF: 26.2/29

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2577.427+/-0.567 χ^2/NDF:87793.1/12

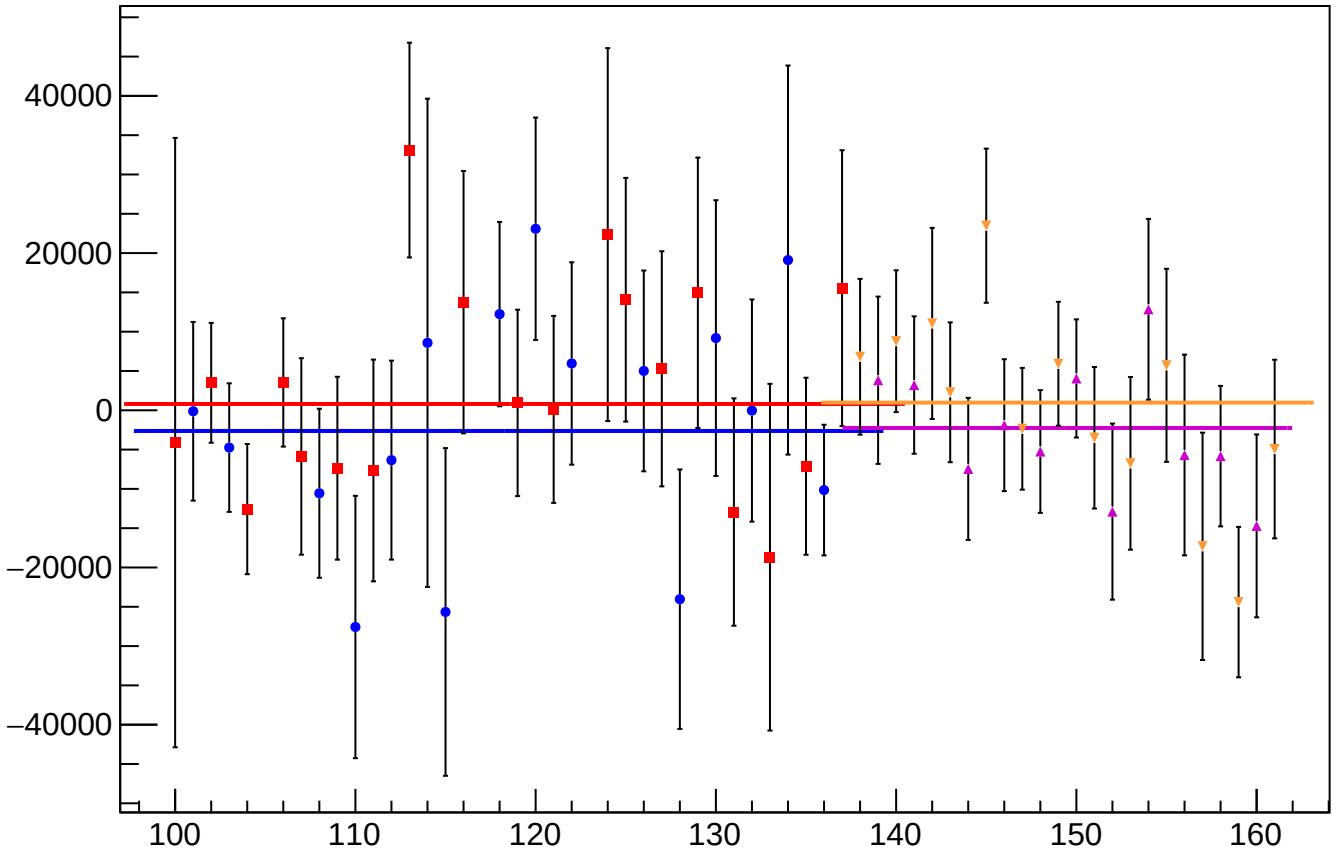
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2547.563+/-0.584 χ^2/NDF:56731.8/10

+ sign 2594.669+/-0.441 χ^2/NDF: 576040.8/28

All: 2574.234+/-0.313 χ^2/NDF: 1015605.9/58

- sign 2553.539+/-0.444 χ^2/NDF: 435239.1/29



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 975.279+/-2714.327 χ^2/NDF:17.4/12

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

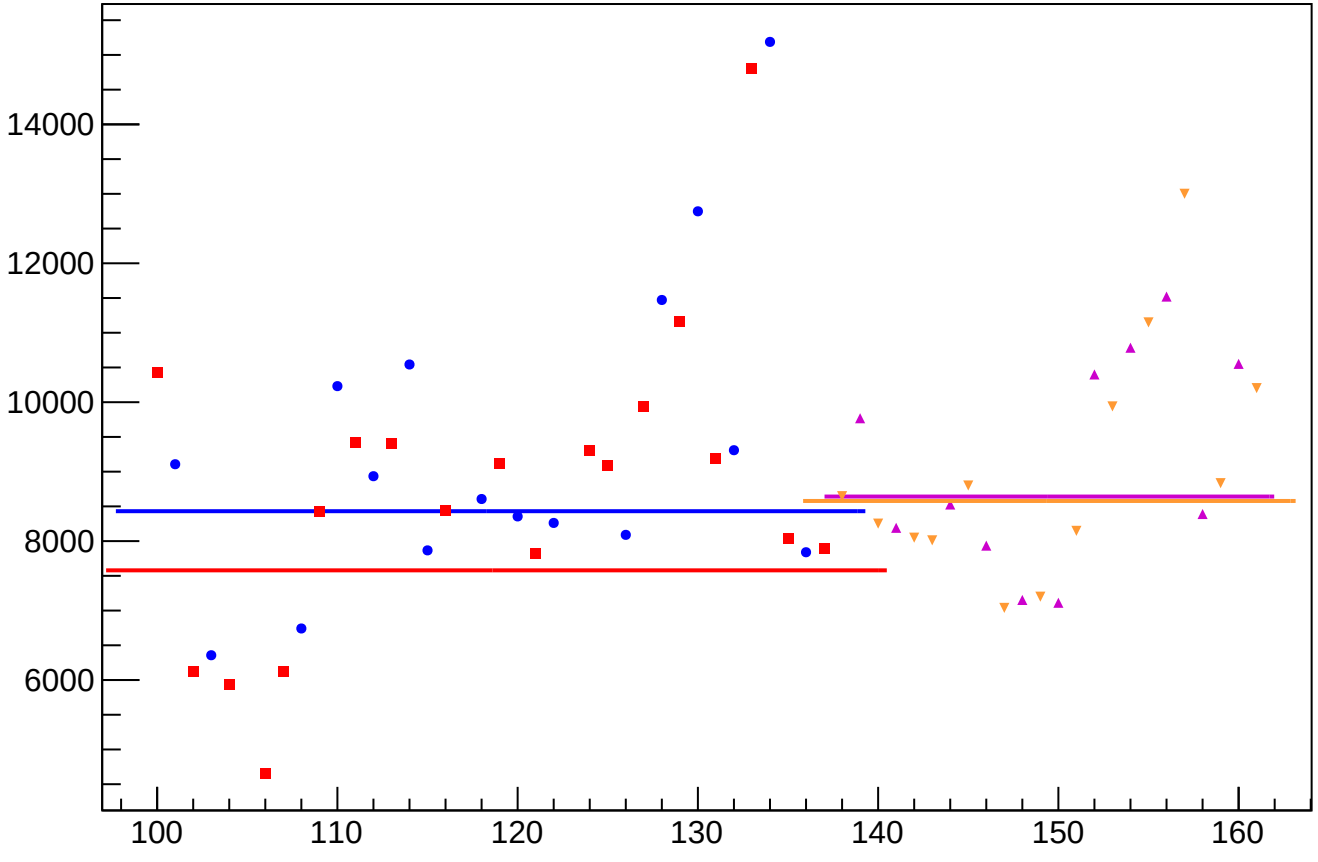
Left In: -2248.659+/-2839.677 χ^2/NDF:5.9/10

+ sign -527.779+/-2073.065 χ^2/NDF: 32.0/28

All: -636.996+/-1446.609 χ^2/NDF: 53.9/58

- sign -740.654+/-2019.609 χ^2/NDF: 21.9/29

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8577.963+/-1.919 χ^2/NDF:508188.5/12

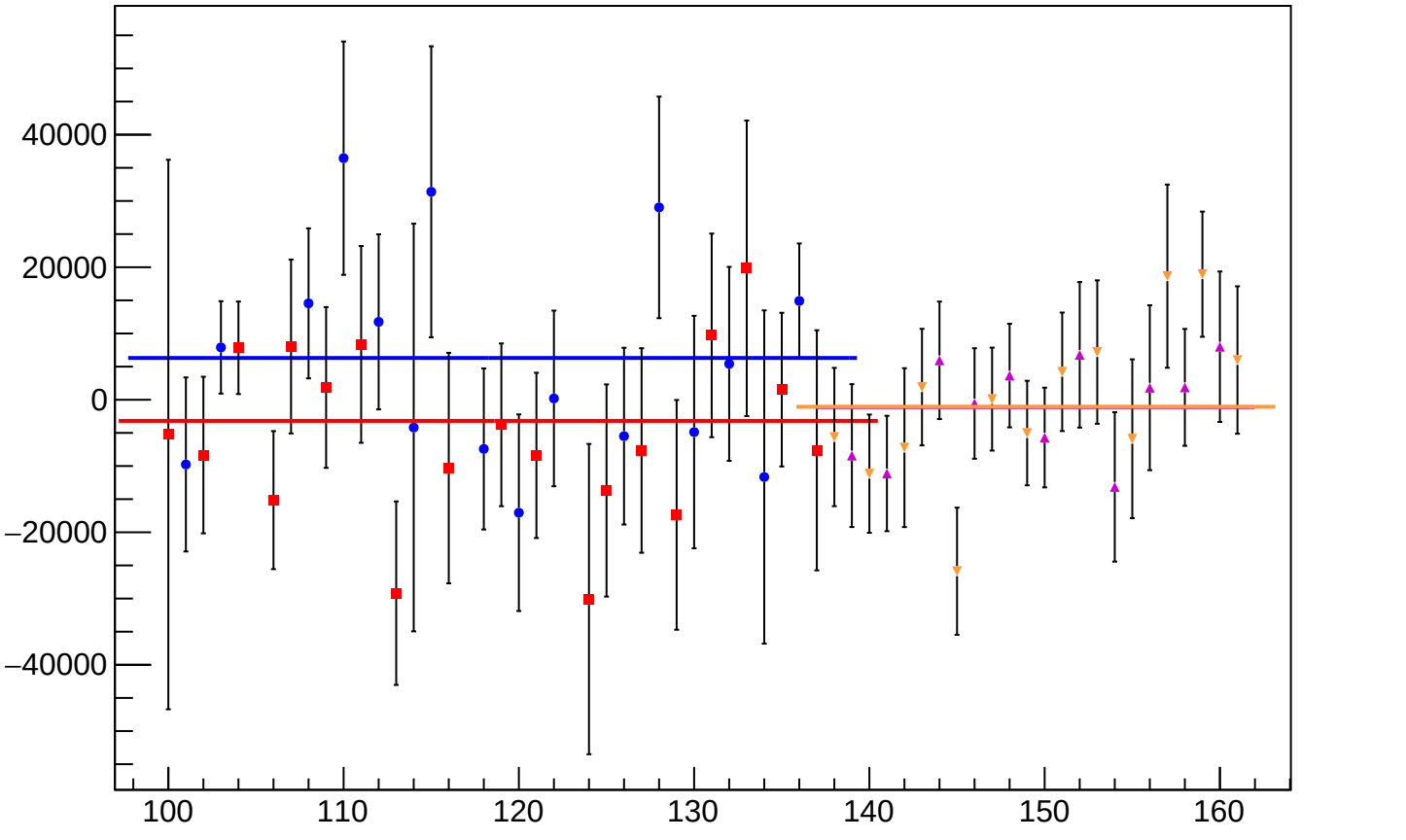
Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8641.558+/-2.008 χ^2/NDF:473558.8/10

+ sign 8516.625+/-1.466 χ^2/NDF: 1090928.9/28

All: 8311.344+/-1.023 χ^2/NDF: 2715191.2/58

- sign 8116.513+/-1.428 χ^2/NDF: 1586038.4/29



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -1061.220+/-2695.205 χ^2/NDF:16.8/12

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

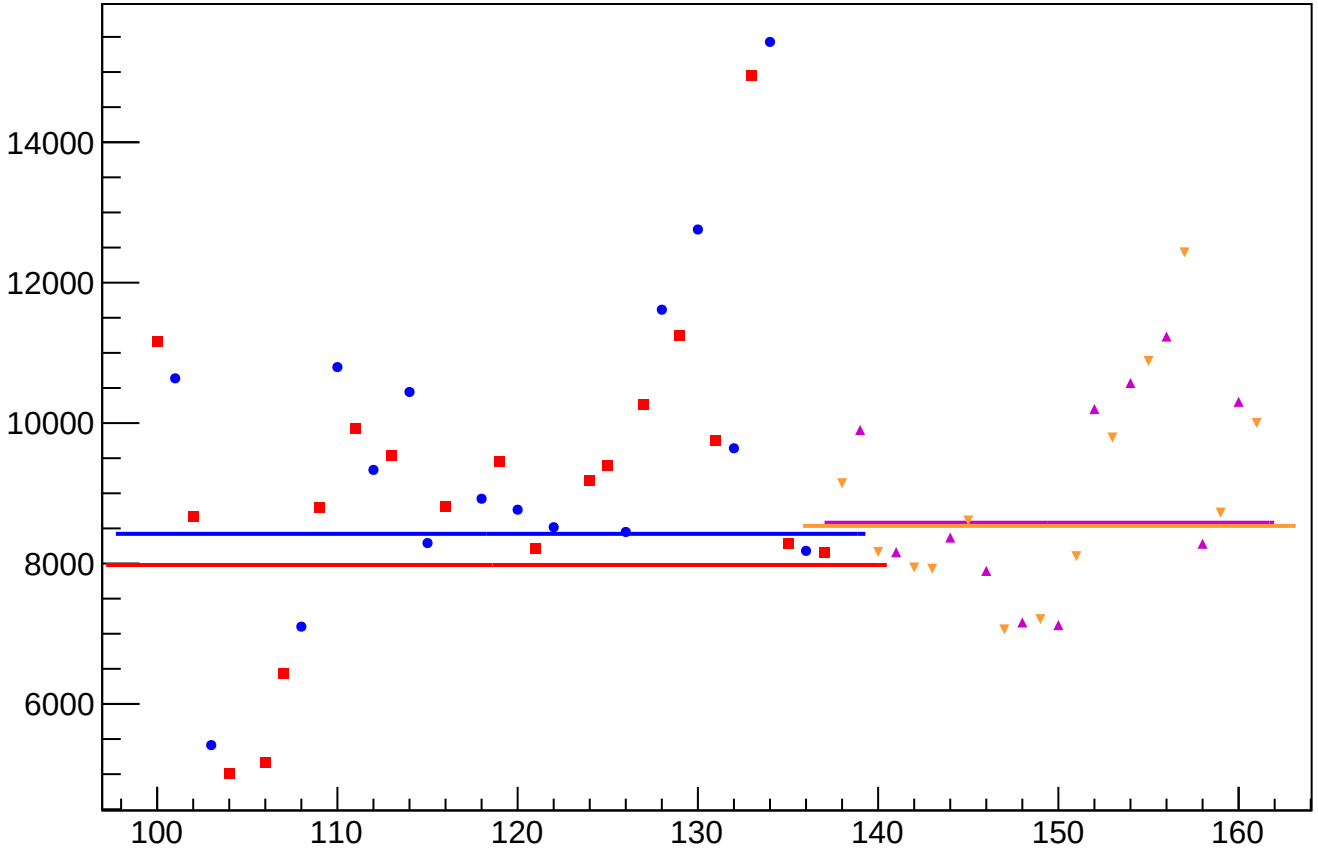
Left In: -1126.049+/-2815.316 χ^2/NDF:5.6/10

+ sign 1952.549+/-2071.943 χ^2/NDF: 35.0/28

All: -55.746+/-1465.994 χ^2/NDF: 56.6/58

- sign -2069.033+/-2074.516 χ^2/NDF: 19.8/29

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8535.635+/-1.906 χ^2/NDF:456398.3/12

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

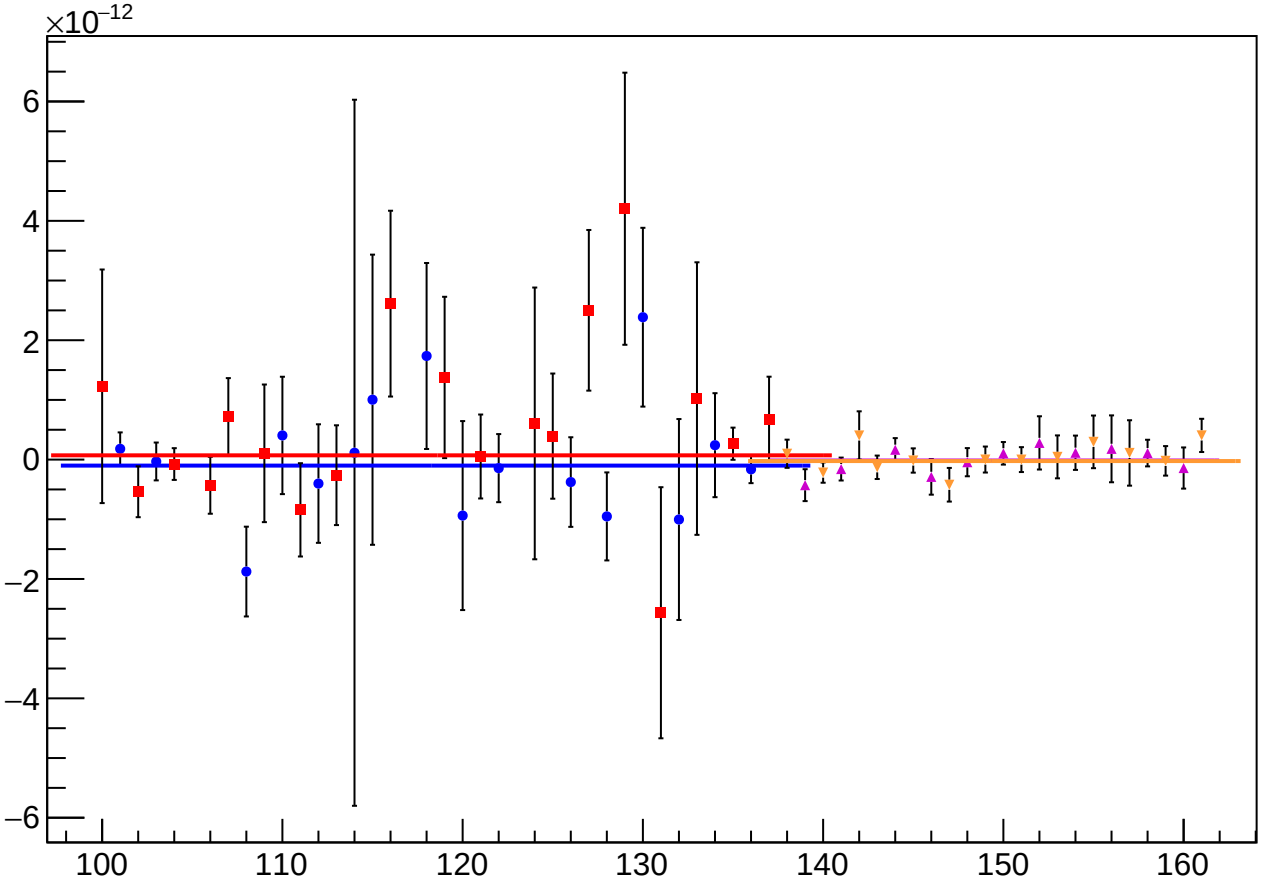
Left In: 8581.181+/-1.991 χ^2/NDF:435369.9/10

+ sign 8489.449+/-1.465 χ^2/NDF: 1339668.0/28

All: 8397.819+/-1.037 χ^2/NDF: 2840709.7/58

- sign 8305.962+/-1.467 χ^2/NDF: 1493208.9/29

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:8.0/12

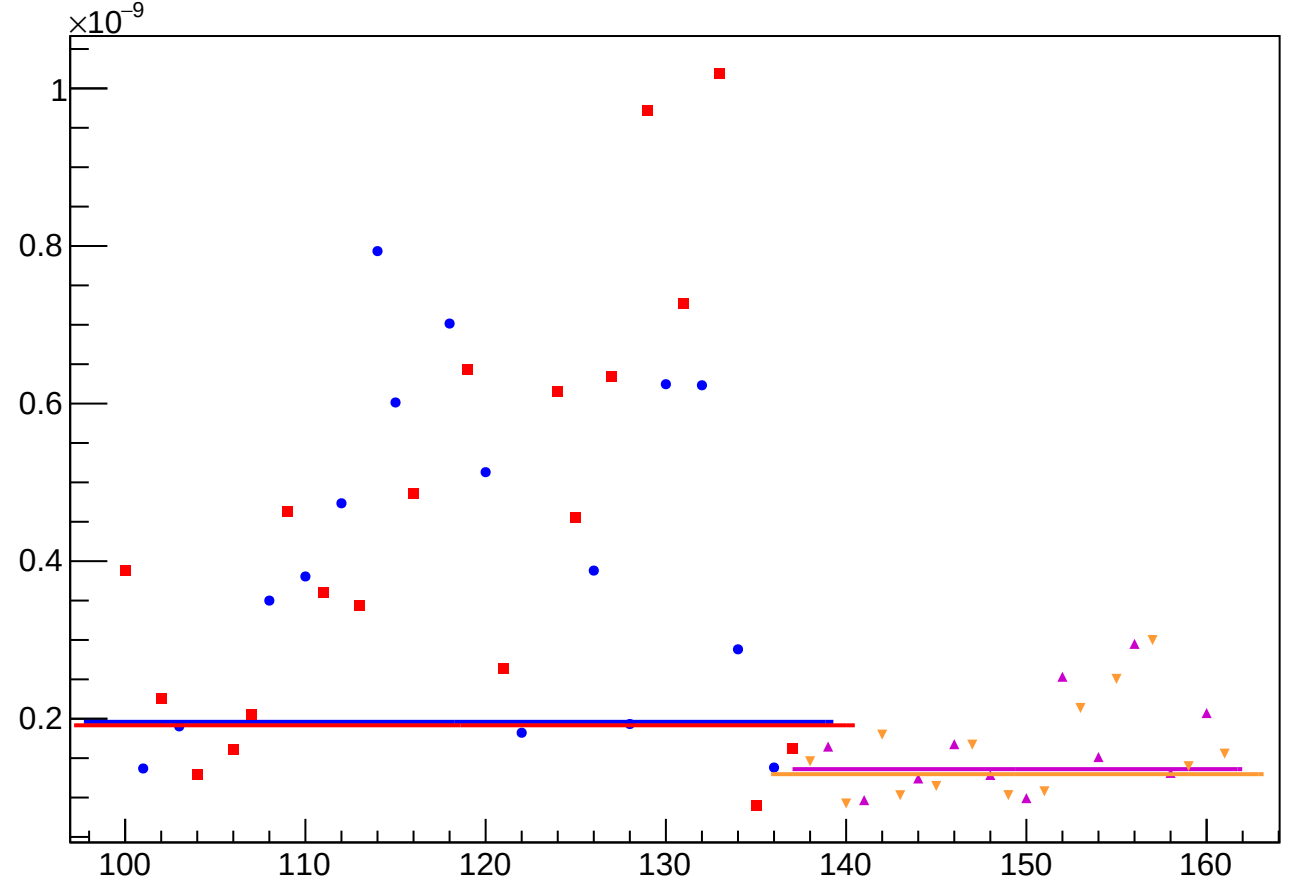
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/10

+ sign -0.000+/-0.000 χ^2/NDF: 21.9/28

All: -0.000+/-0.000 χ^2/NDF: 48.3/58

- sign 0.000+/-0.000 χ^2/NDF: 26.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:744477.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

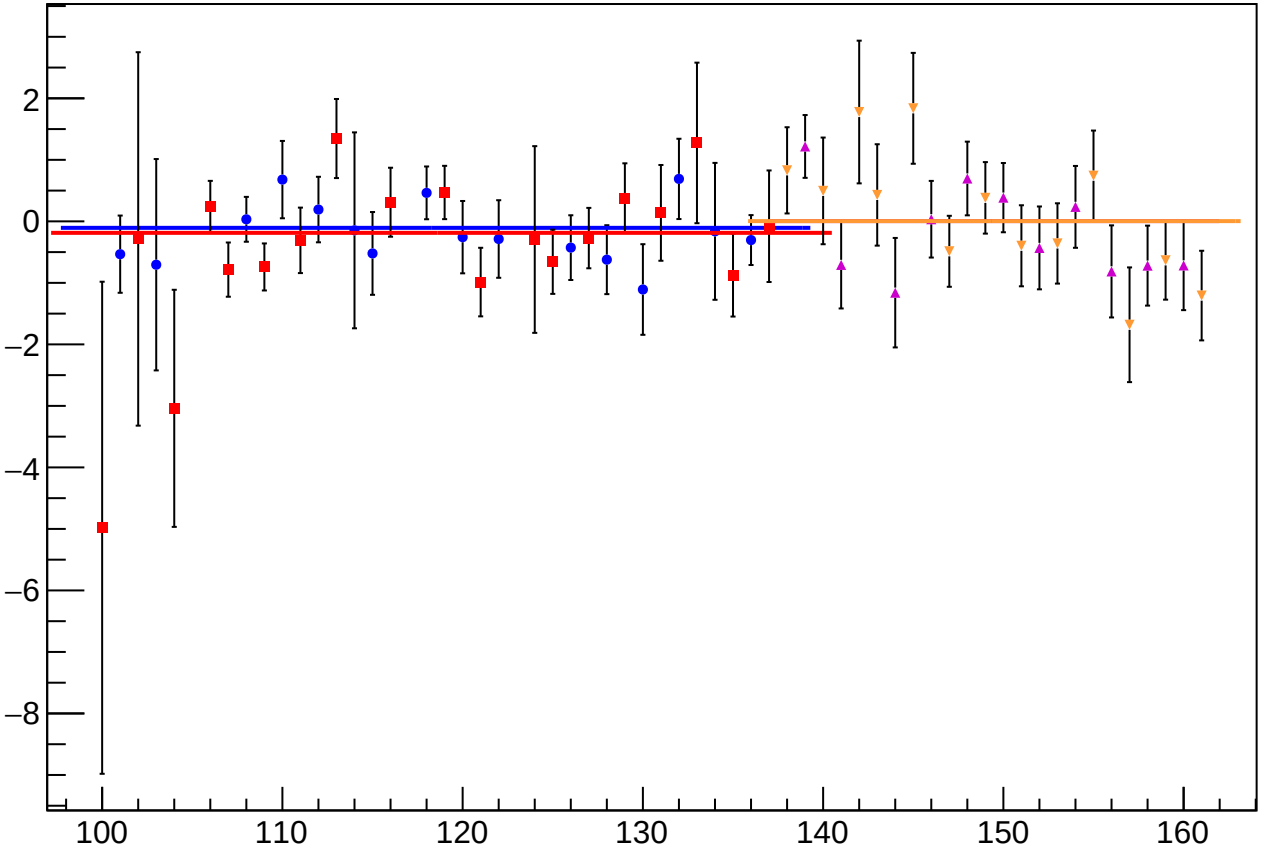
Left In: 0.000+/-0.000 χ^2/NDF:605706.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 2473984.2/28

All: 0.000+/-0.000 χ^2/NDF: 5398706.8/58

- sign 0.000+/-0.000 χ^2/NDF: 2917821.8/29

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.004+/-0.201 χ^2/NDF:18.3/12

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

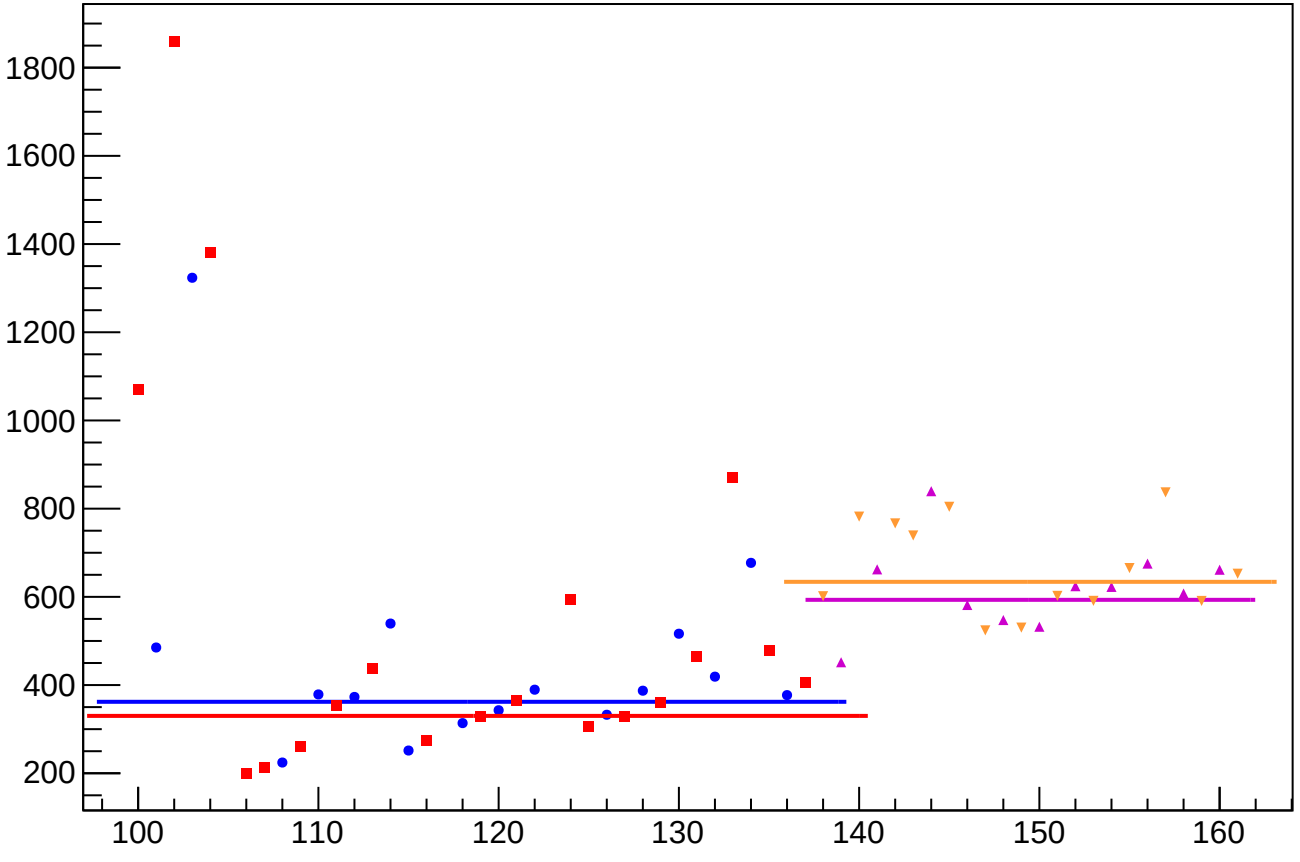
Left In: 0.004+/-0.196 χ^2/NDF:14.1/10

+ sign -0.068+/-0.117 χ^2/NDF: 28.2/28

All: -0.097+/-0.081 χ^2/NDF: 66.9/58

- sign -0.124+/-0.112 χ^2/NDF: 38.6/29

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 634.092+/-0.142 χ^2/NDF:451245.8/12

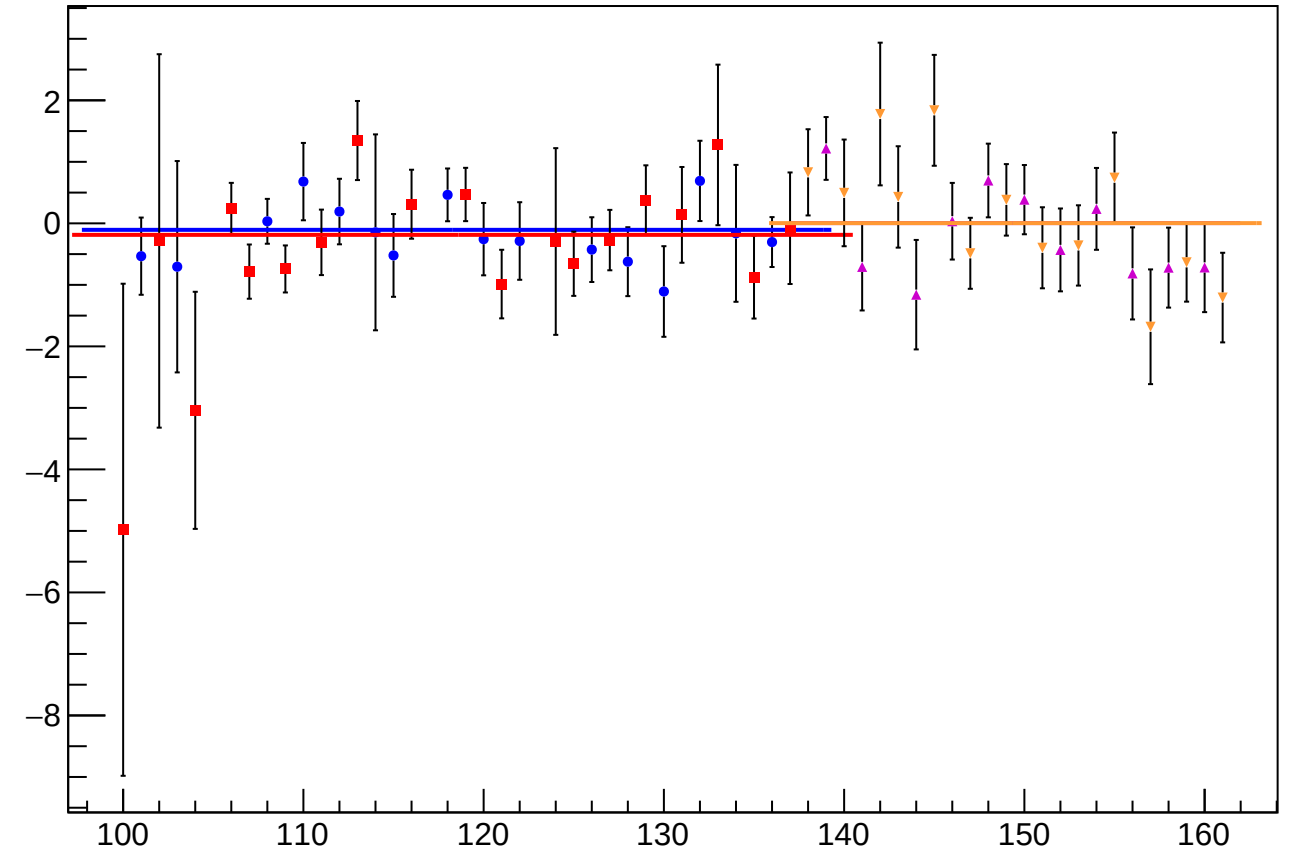
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 593.252+/-0.138 χ^2/NDF:412695.9/10

+ sign 454.928+/-0.083 χ^2/NDF: 4243007.9/28

All: 435.149+/-0.057 χ^2/NDF: 9433974.7/58

- sign 417.006+/-0.080 χ^2/NDF: 5082148.3/29



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.004+/-0.201 χ^2/NDF:18.3/12

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

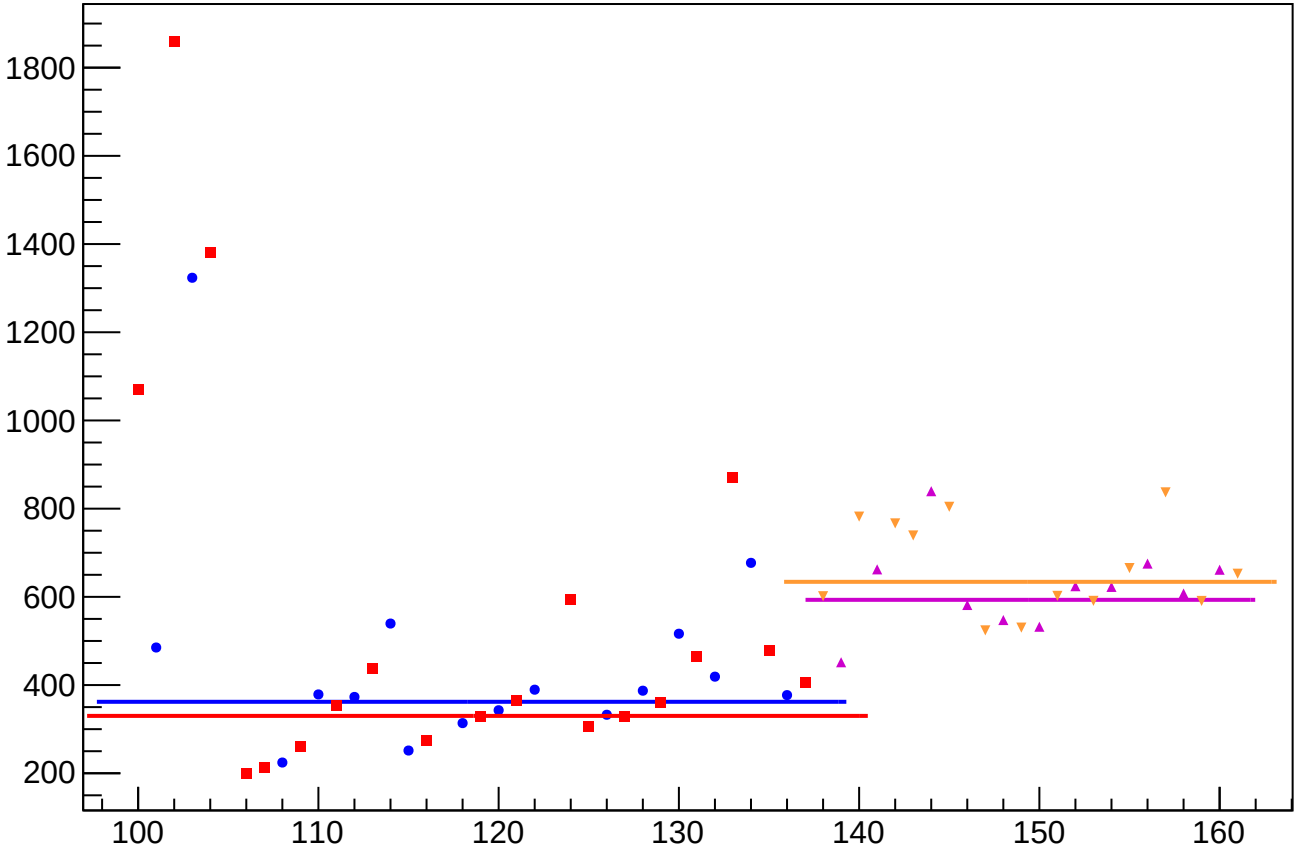
Left In: 0.004+/-0.196 χ^2/NDF:14.1/10

+ sign -0.068+/-0.117 χ^2/NDF: 28.2/28

All: -0.097+/-0.081 χ^2/NDF: 66.9/58

- sign -0.124+/-0.112 χ^2/NDF: 38.6/29

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 634.092+/-0.142 χ^2/NDF:451245.8/12

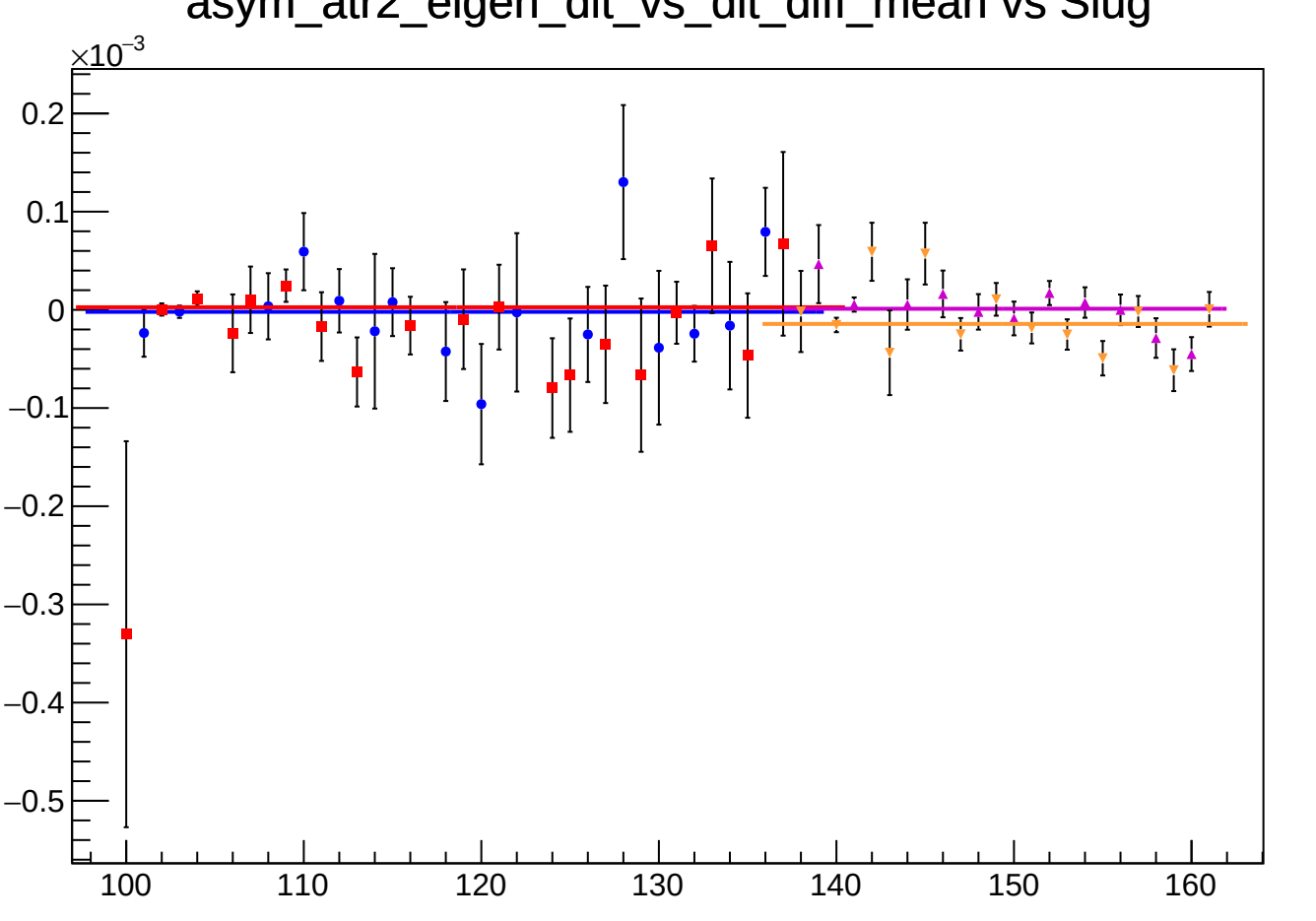
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 593.252+/-0.138 χ^2/NDF:412695.9/10

+ sign 454.928+/-0.083 χ^2/NDF: 4243007.9/28

All: 435.149+/-0.057 χ^2/NDF: 9433974.7/58

- sign 417.006+/-0.080 χ^2/NDF: 5082148.3/29



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

Left Out: -0.000+/-0.000 χ^2/NDF:25.4/12

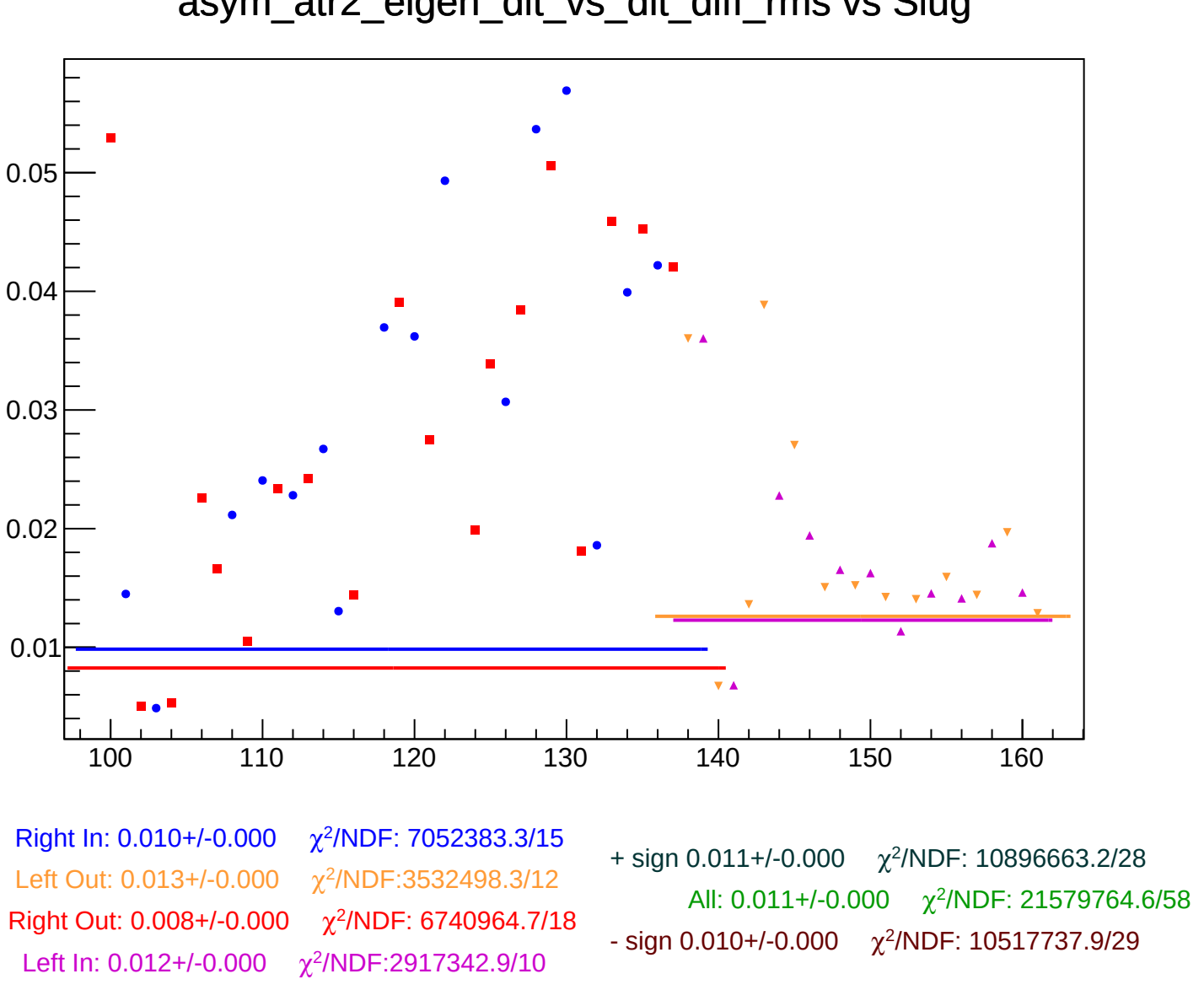
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

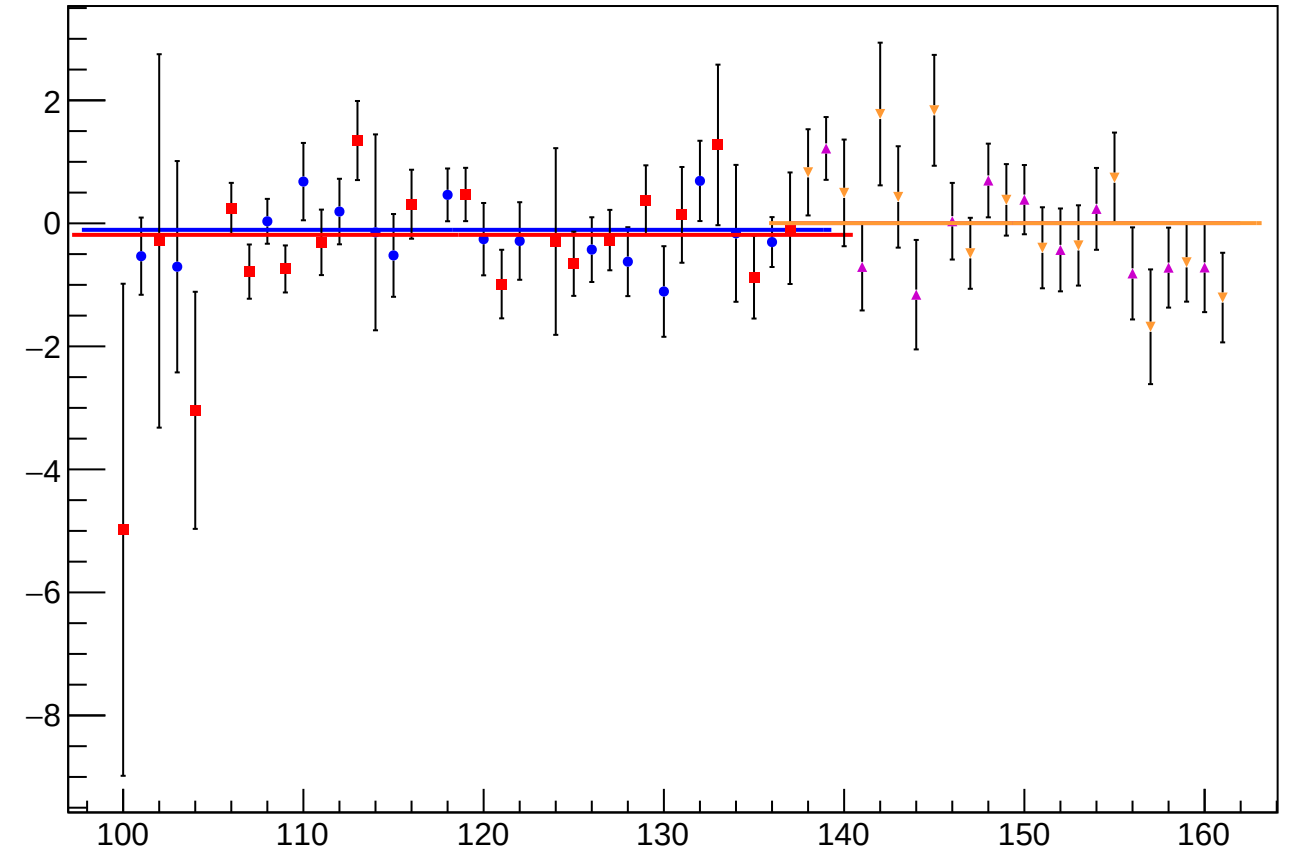
Left In: 0.000+/-0.000 χ^2/NDF:13.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 42.2/28

All: -0.000+/-0.000 χ^2/NDF: 80.1/58

- sign 0.000+/-0.000 χ^2/NDF: 32.0/29


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
Right In: 0.010+/-0.000 χ²/NDF: 7052383.3/15
Left Out: 0.013+/-0.000 χ²/NDF:3532498.3/12
Right Out: 0.008+/-0.000 χ²/NDF: 6740964.7/18
Left In: 0.012+/-0.000 χ²/NDF:2917342.9/10
+ sign 0.011+/-0.000 χ²/NDF: 10896663.2/28
All: 0.011+/-0.000 χ²/NDF: 21579764.6/58
- sign 0.010+/-0.000 χ²/NDF: 10517737.9/29



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.004+/-0.201 χ^2/NDF:18.3/12

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

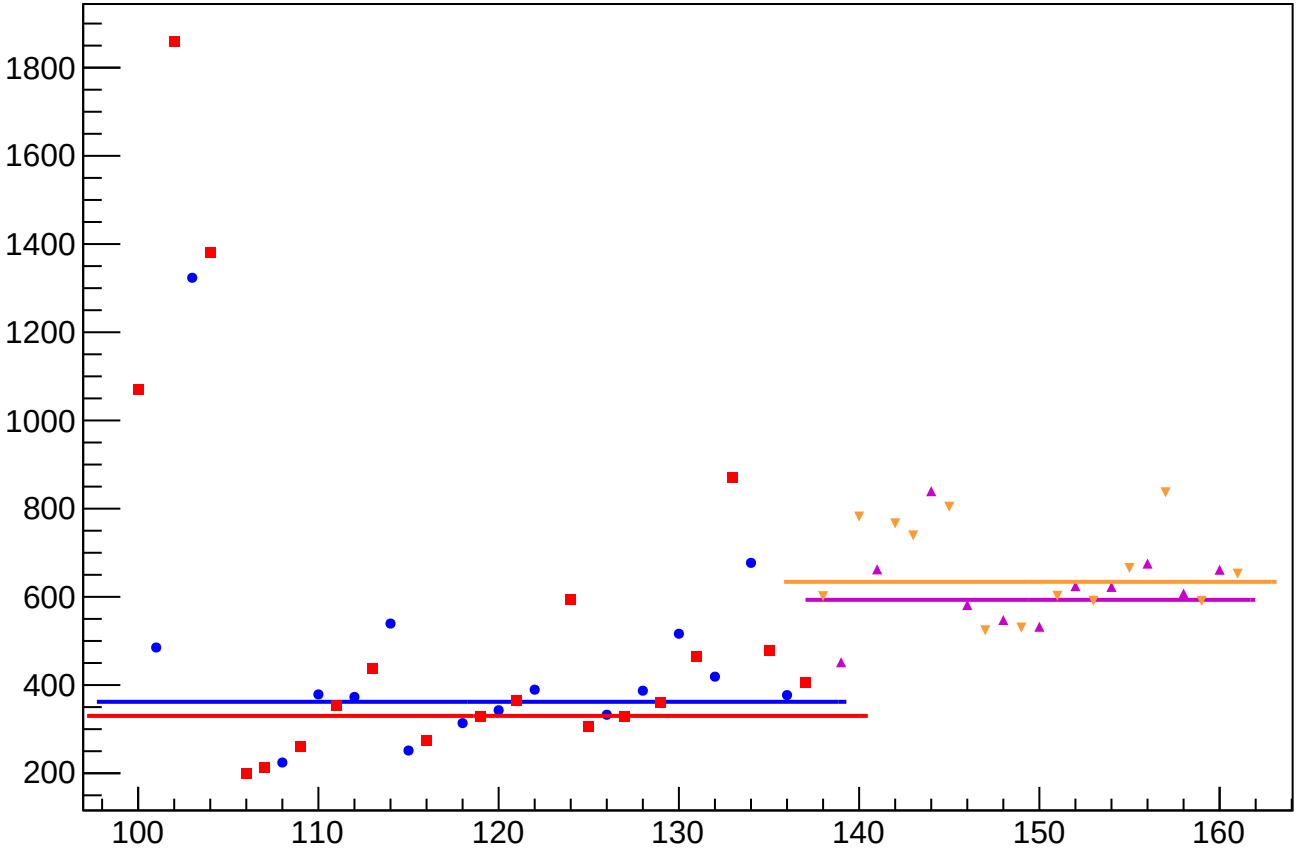
Left In: 0.004+/-0.196 χ^2/NDF:14.1/10

+ sign -0.068+/-0.117 χ^2/NDF: 28.2/28

All: -0.097+/-0.081 χ^2/NDF: 66.9/58

- sign -0.124+/-0.112 χ^2/NDF: 38.6/29

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 634.101+/-0.142 χ^2/NDF:451226.5/12

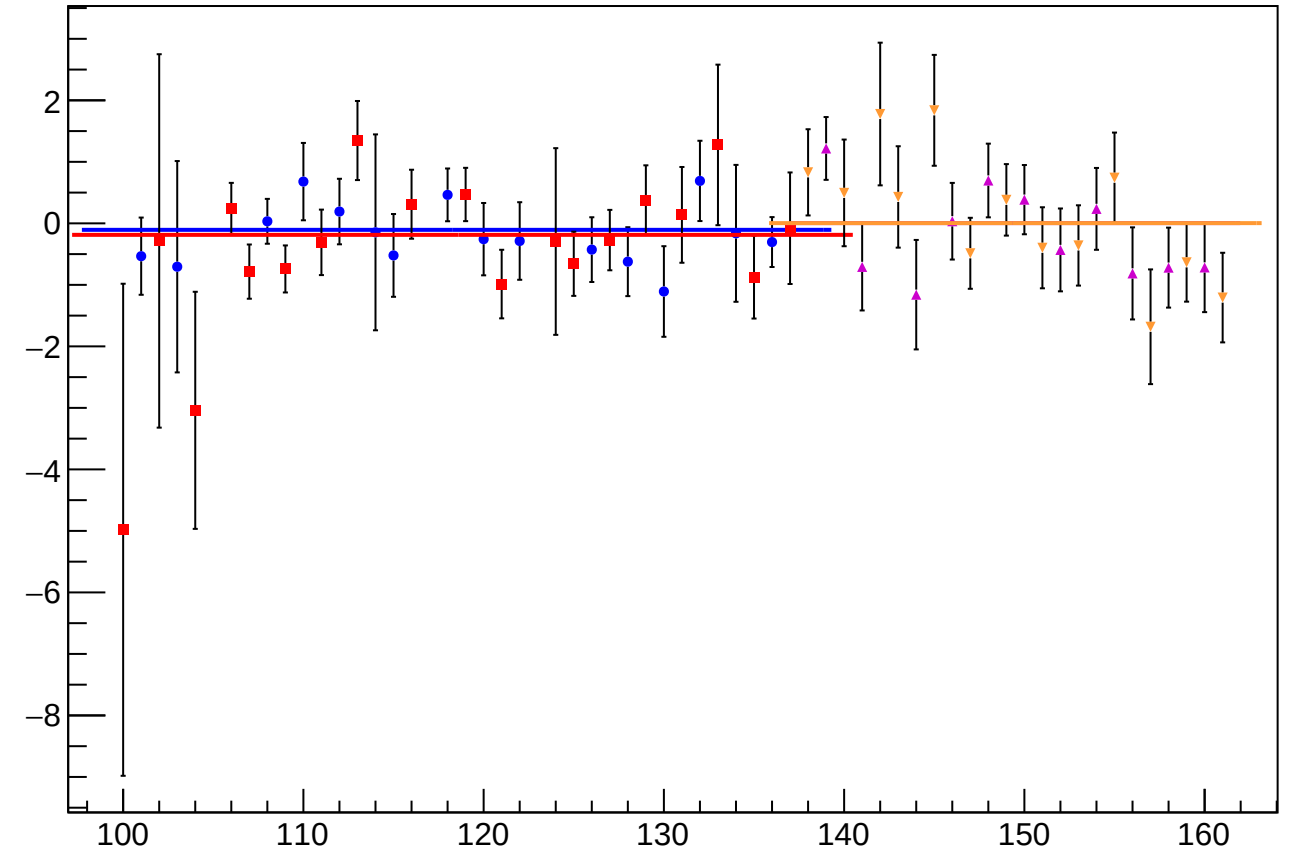
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 593.260+/-0.138 χ^2/NDF:412671.4/10

+ sign 454.927+/-0.083 χ^2/NDF: 4243161.9/28

All: 435.148+/-0.057 χ^2/NDF: 9434224.7/58

- sign 417.005+/-0.080 χ^2/NDF: 5082250.3/29



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.004+/-0.201 χ^2/NDF:18.3/12

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

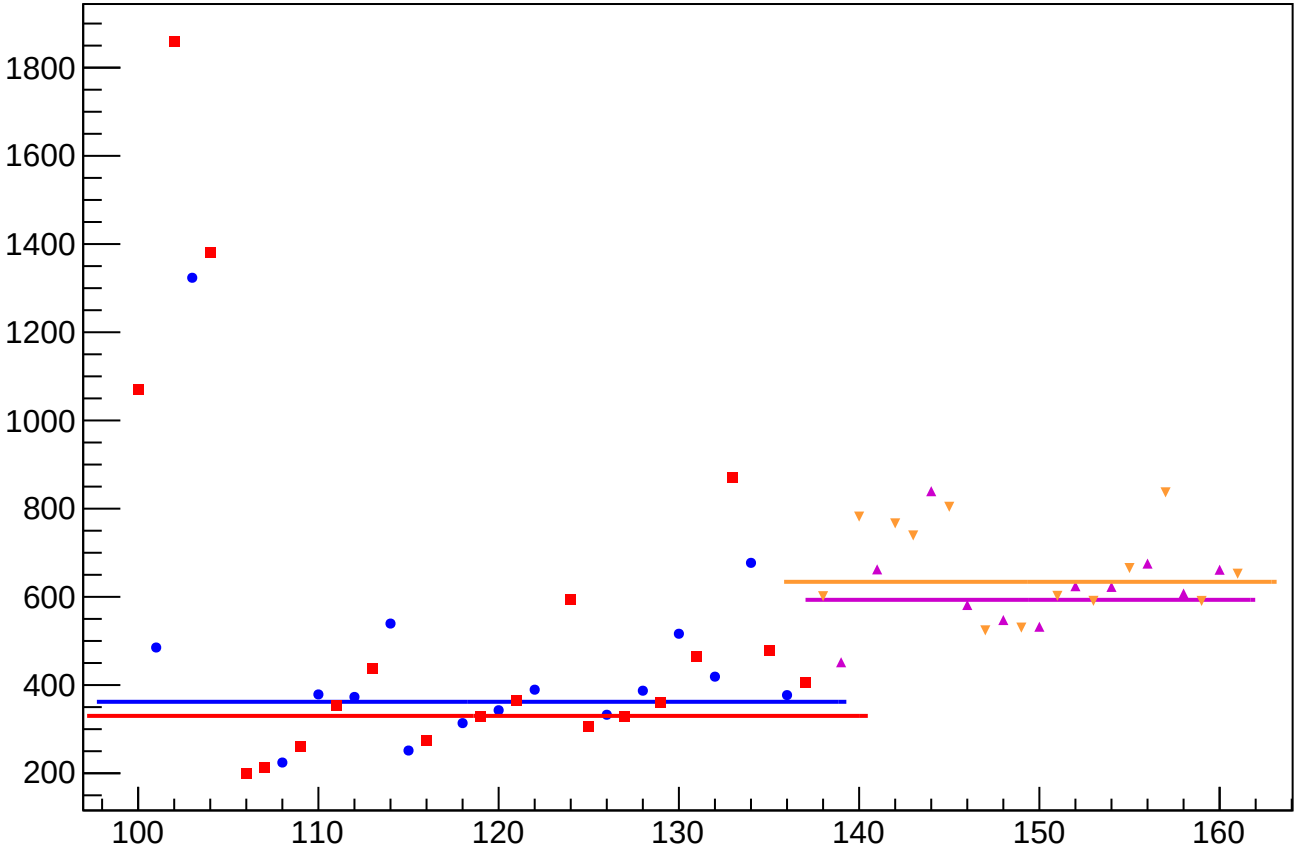
Left In: 0.004+/-0.196 χ^2/NDF:14.1/10

+ sign -0.068+/-0.117 χ^2/NDF: 28.2/28

All: -0.097+/-0.081 χ^2/NDF: 66.9/58

- sign -0.124+/-0.112 χ^2/NDF: 38.6/29

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: 634.101+/-0.142 χ^2/NDF:451226.5/12

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

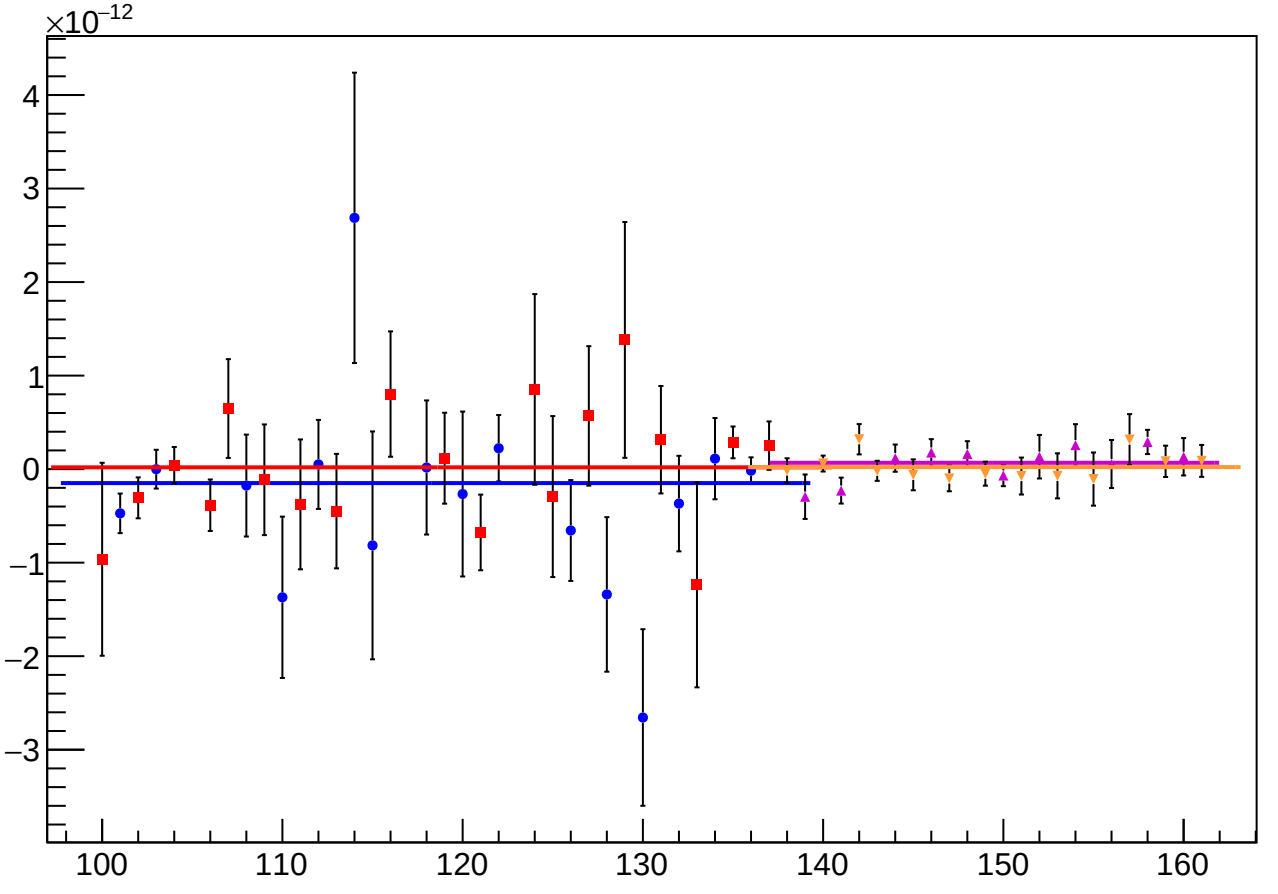
Left In: 593.260+/-0.138 χ^2/NDF:412671.4/10

+ sign 454.927+/-0.083 χ^2/NDF: 4243161.9/28

All: 435.148+/-0.057 χ^2/NDF: 9434224.7/58

- sign 417.005+/-0.080 χ^2/NDF: 5082250.3/29

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:7.2/12

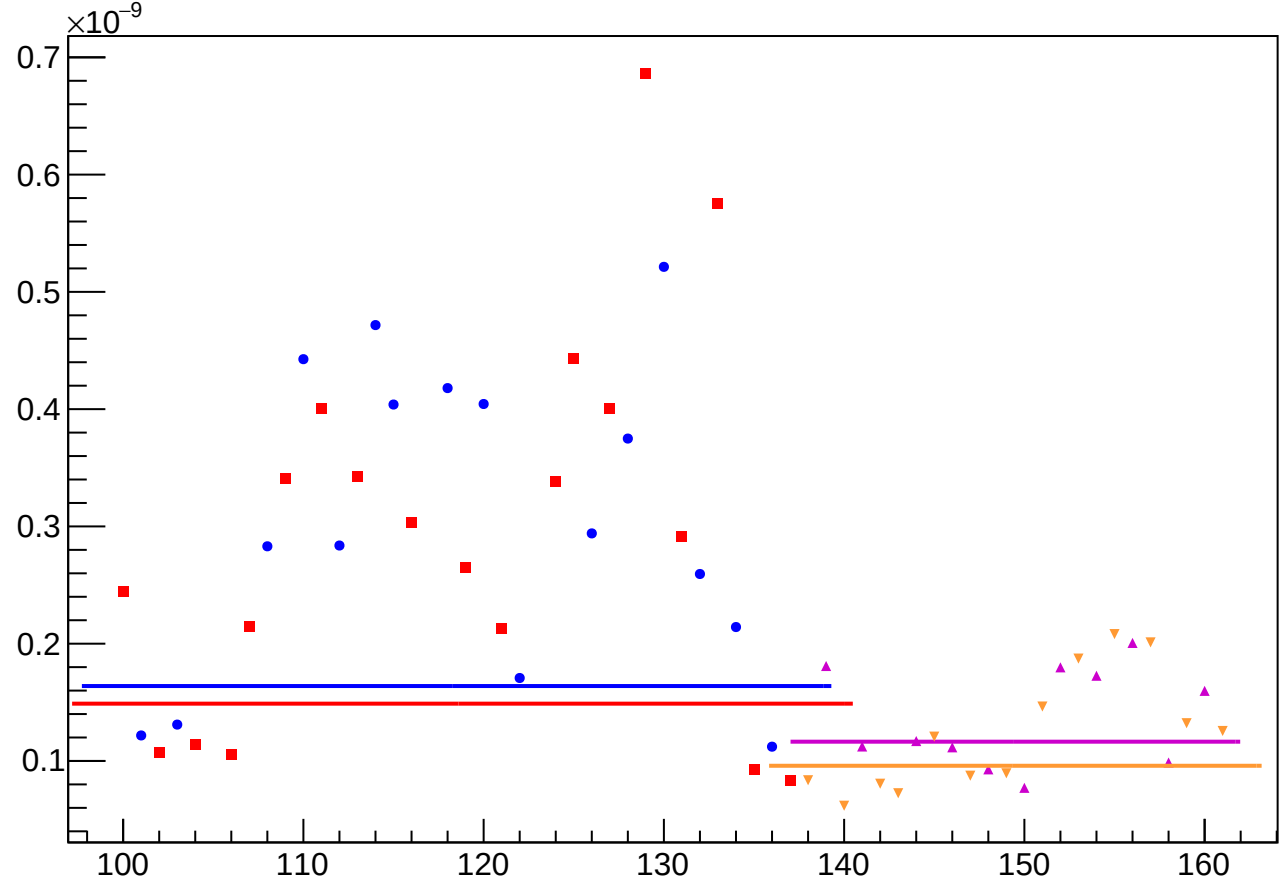
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/28

All: 0.000+/-0.000 χ^2/NDF: 66.0/58

- sign 0.000+/-0.000 χ^2/NDF: 33.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1693050.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

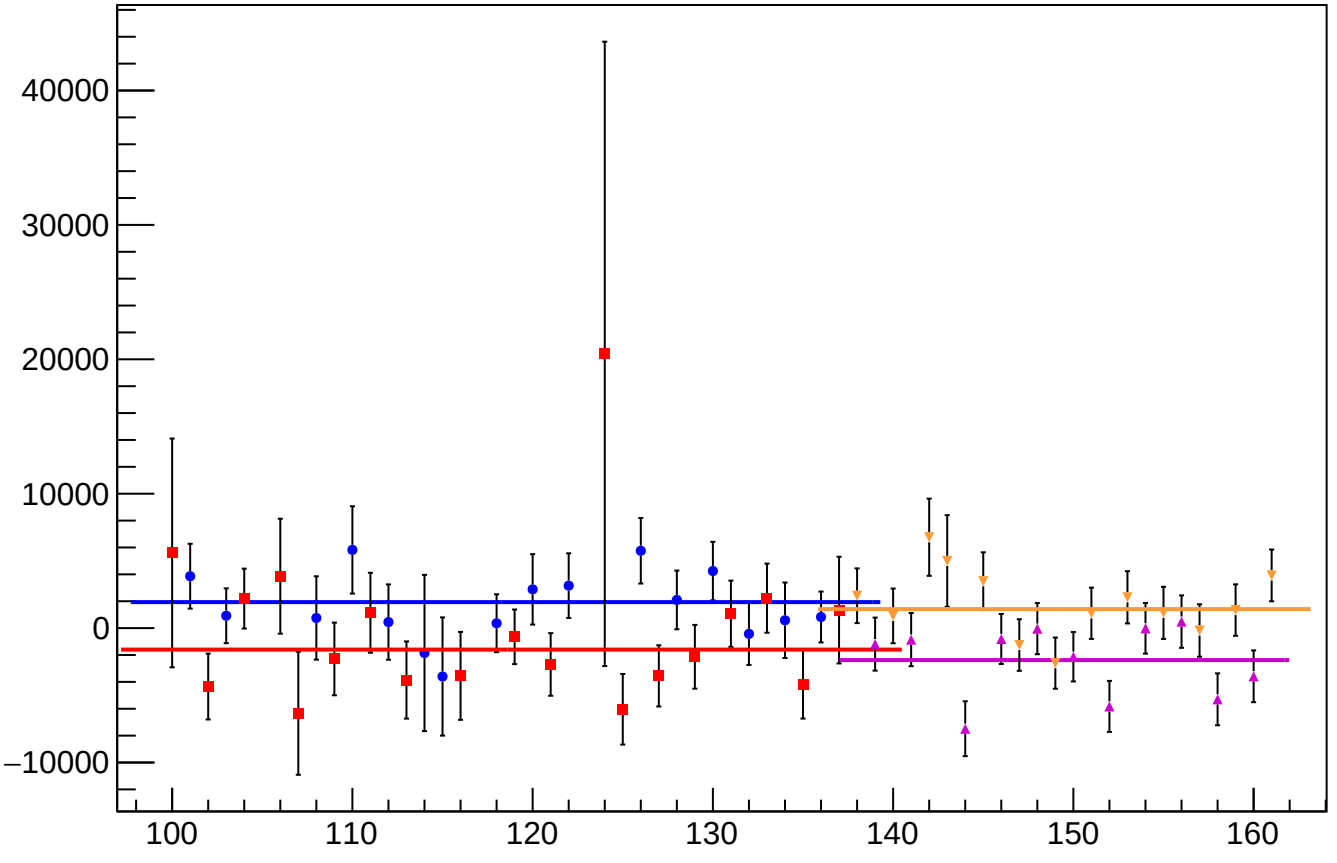
Left In: 0.000+/-0.000 χ^2/NDF:1071616.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 4703041.9/28

All: 0.000+/-0.000 χ^2/NDF: 9025806.8/58

- sign 0.000+/-0.000 χ^2/NDF: 4144596.2/29

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1414.949+/-571.238 χ^2/NDF:14.8/12

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

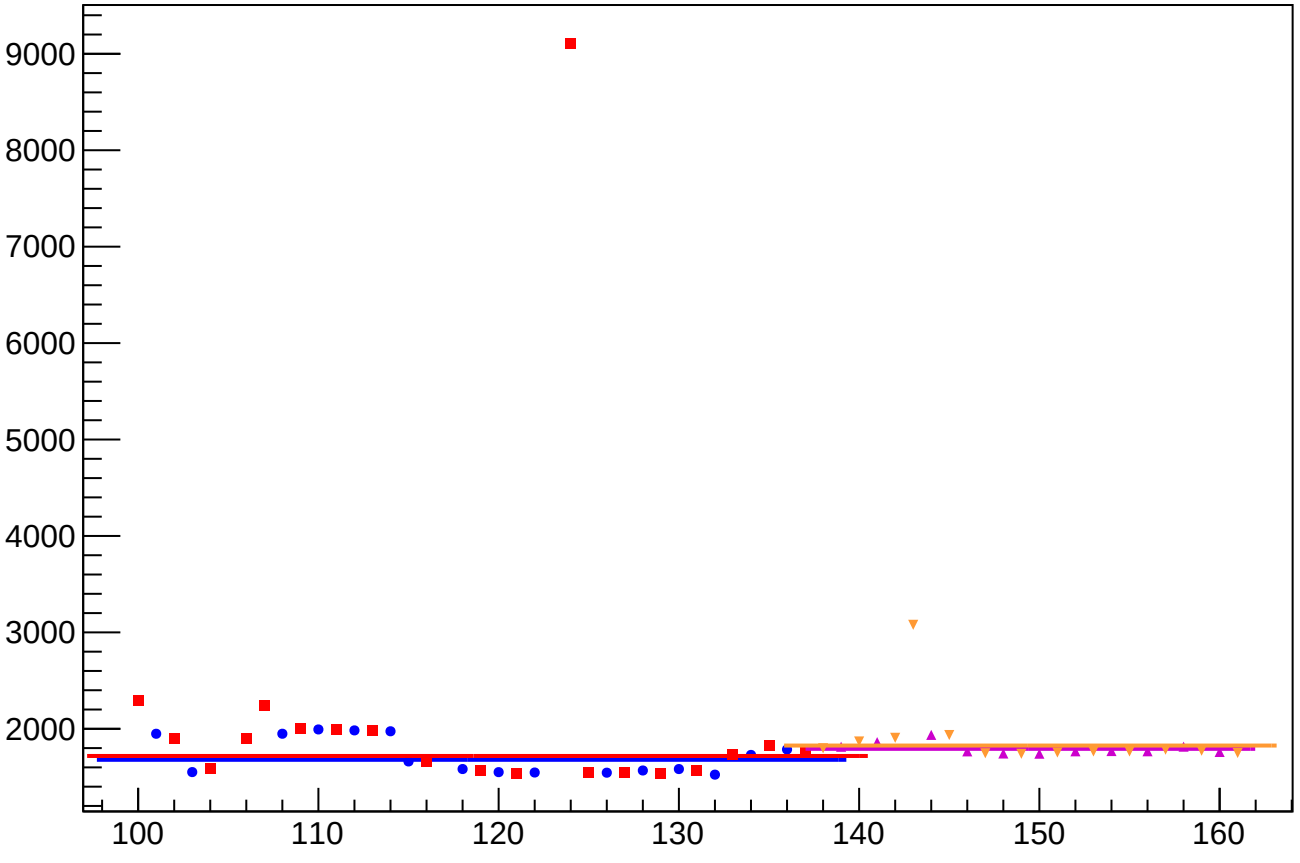
Left In: -2379.387+/-579.975 χ^2/NDF:19.2/10

+ sign 1650.356+/-422.533 χ^2/NDF: 26.1/28

All: -154.954+/-301.529 χ^2/NDF: 102.6/58

- sign -2028.359+/-430.429 χ^2/NDF: 39.4/29

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1826.400+/-0.404 χ^2/NDF:298161.0/12

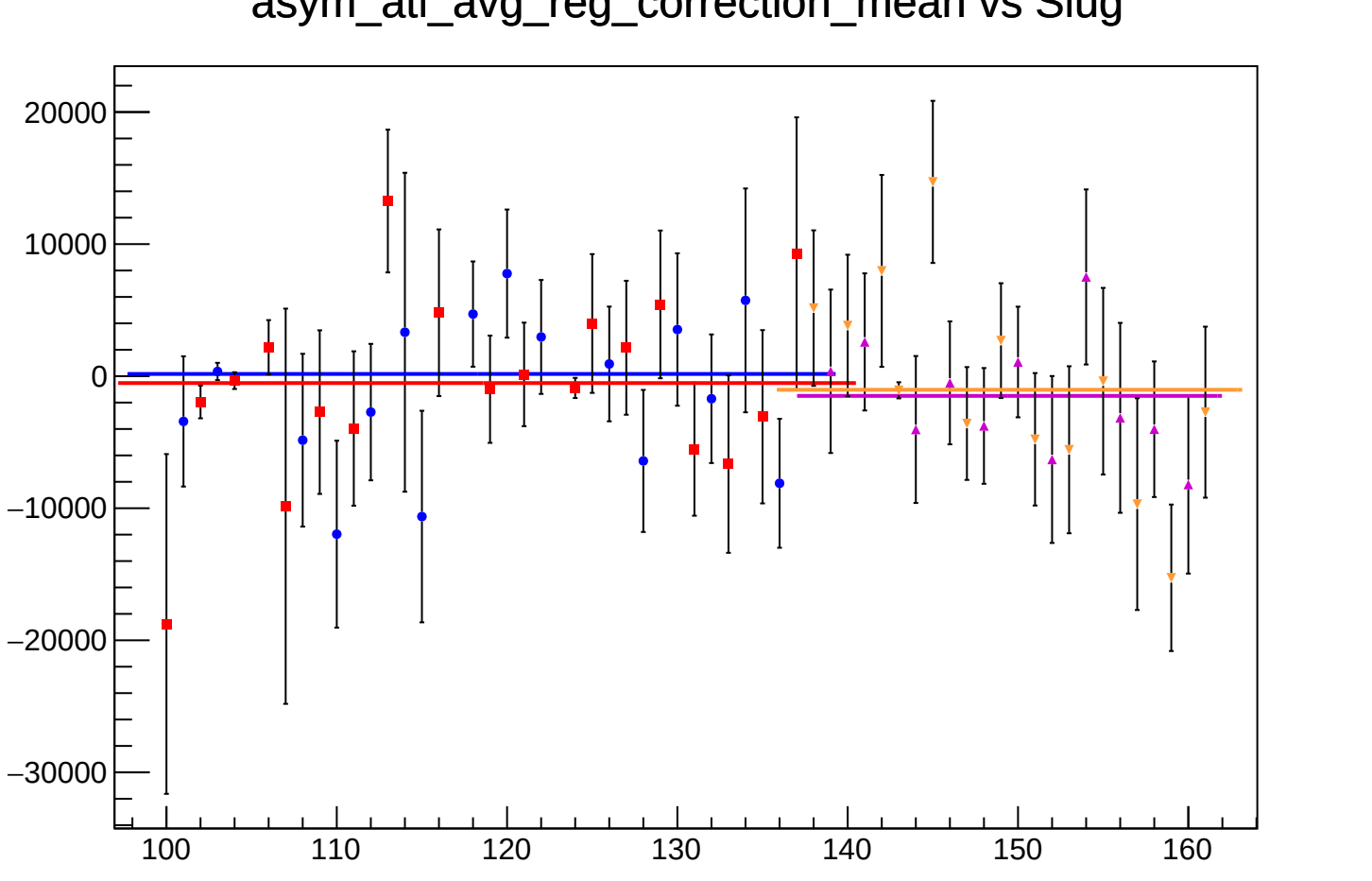
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1792.175+/-0.410 χ^2/NDF:17796.1/10

+ sign 1759.440+/-0.299 χ^2/NDF: 500325.5/28

All: 1759.136+/-0.213 χ^2/NDF: 915950.9/58

- sign 1758.822+/-0.304 χ^2/NDF: 415623.2/29



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -1030.259+/-571.888 χ^2/NDF:20.0/12

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

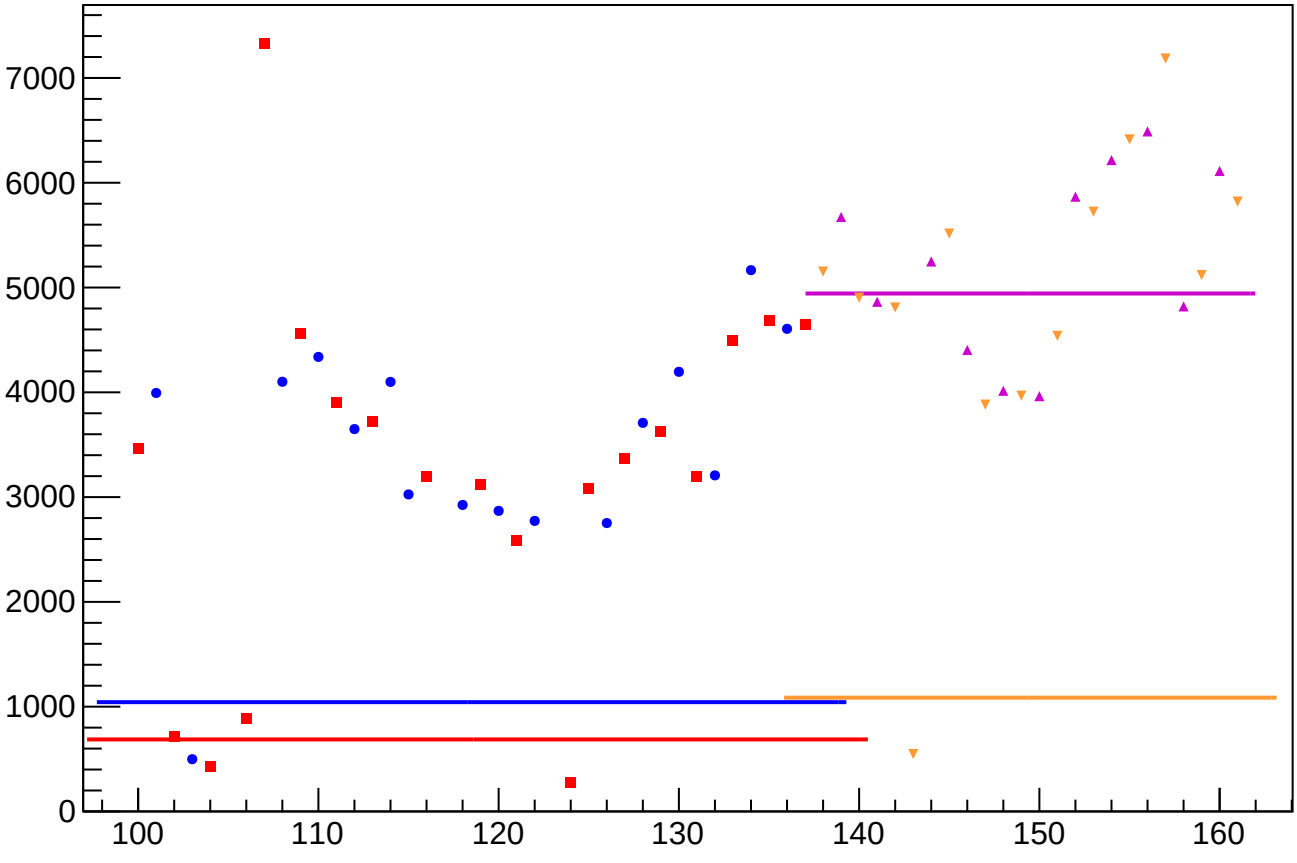
Left In: -1492.493+/-1627.053 χ^2/NDF:5.3/10

+ sign -451.296+/-411.180 χ^2/NDF: 38.0/28

All: -517.209+/-290.687 χ^2/NDF: 62.2/58

- sign -583.067+/-411.007 χ^2/NDF: 24.2/29

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1085.851+/-0.404 χ^2/NDF:13271284.4/12

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

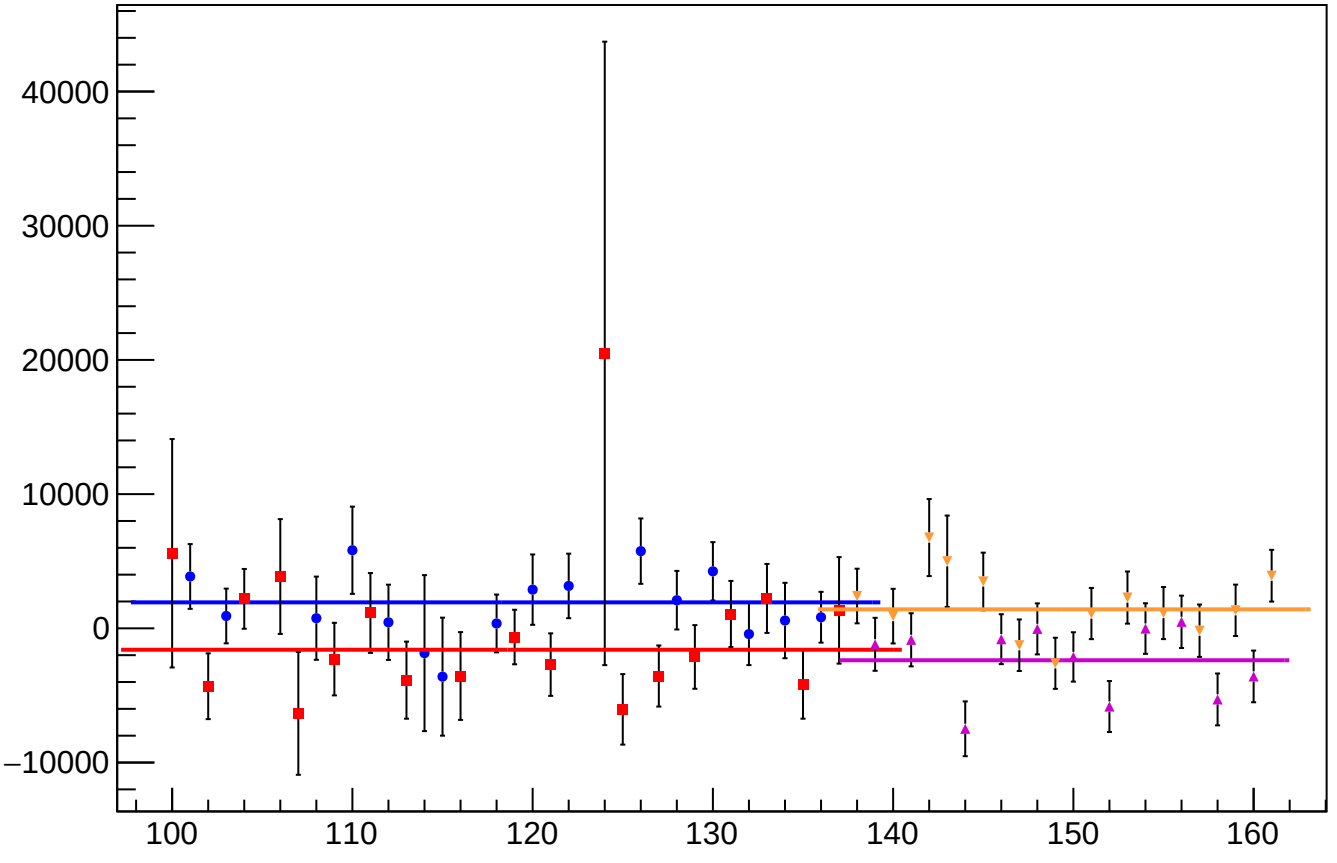
Left In: 4943.156+/-1.151 χ^2/NDF:530717.2/10

+ sign 1065.208+/-0.291 χ^2/NDF: 21388576.7/28

All: 1012.030+/-0.206 χ^2/NDF: 43427962.0/5

- sign 958.897+/-0.291 χ^2/NDF: 21972507.8/29

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1414.960+/-571.238 χ^2/NDF:14.8/12

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

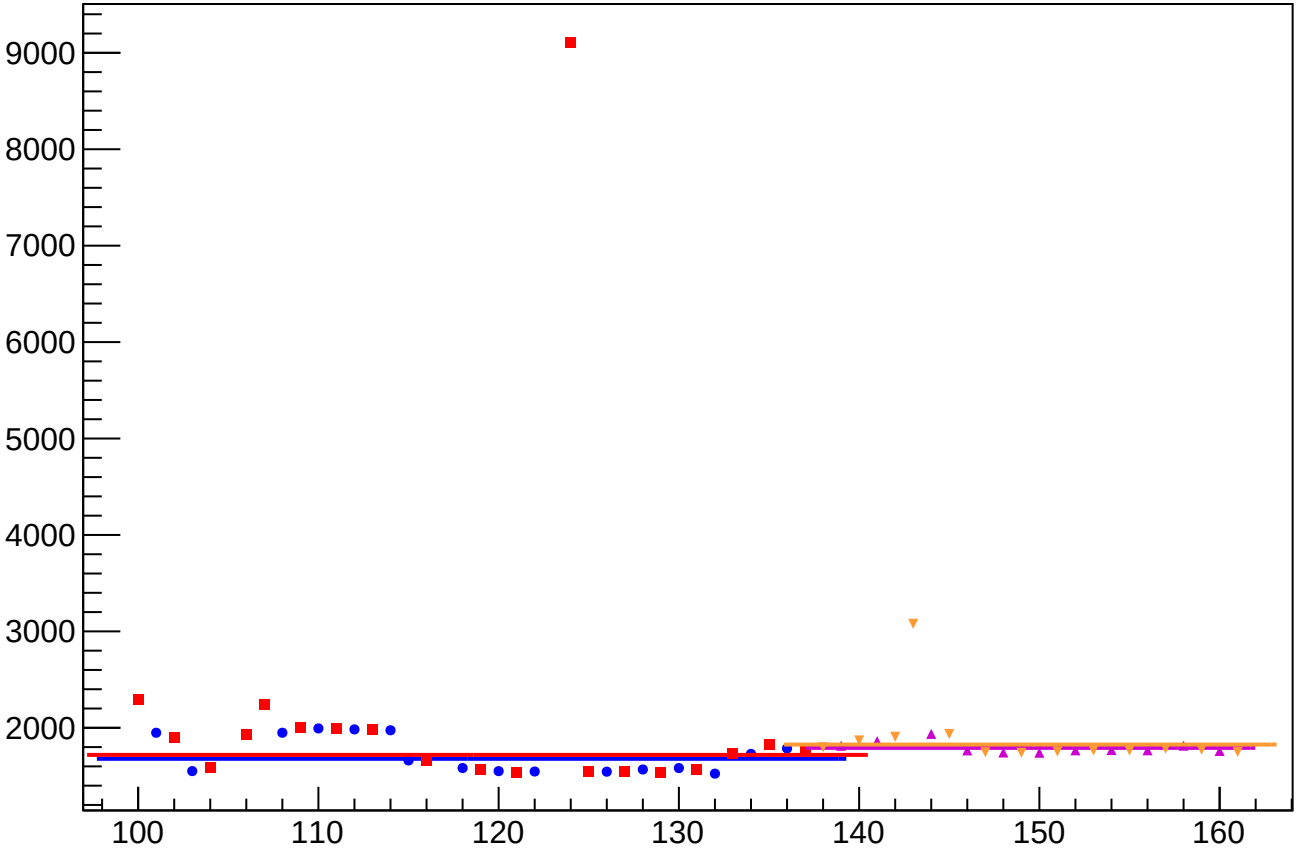
Left In: -2379.521+/-579.975 χ^2/NDF:19.2/10

+ sign 1650.414+/-422.533 χ^2/NDF: 26.1/28

All: -154.418+/-301.529 χ^2/NDF: 102.6/58

- sign -2027.341+/-430.430 χ^2/NDF: 39.4/29

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1826.400+/-0.404 χ^2/NDF:298161.0/12

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

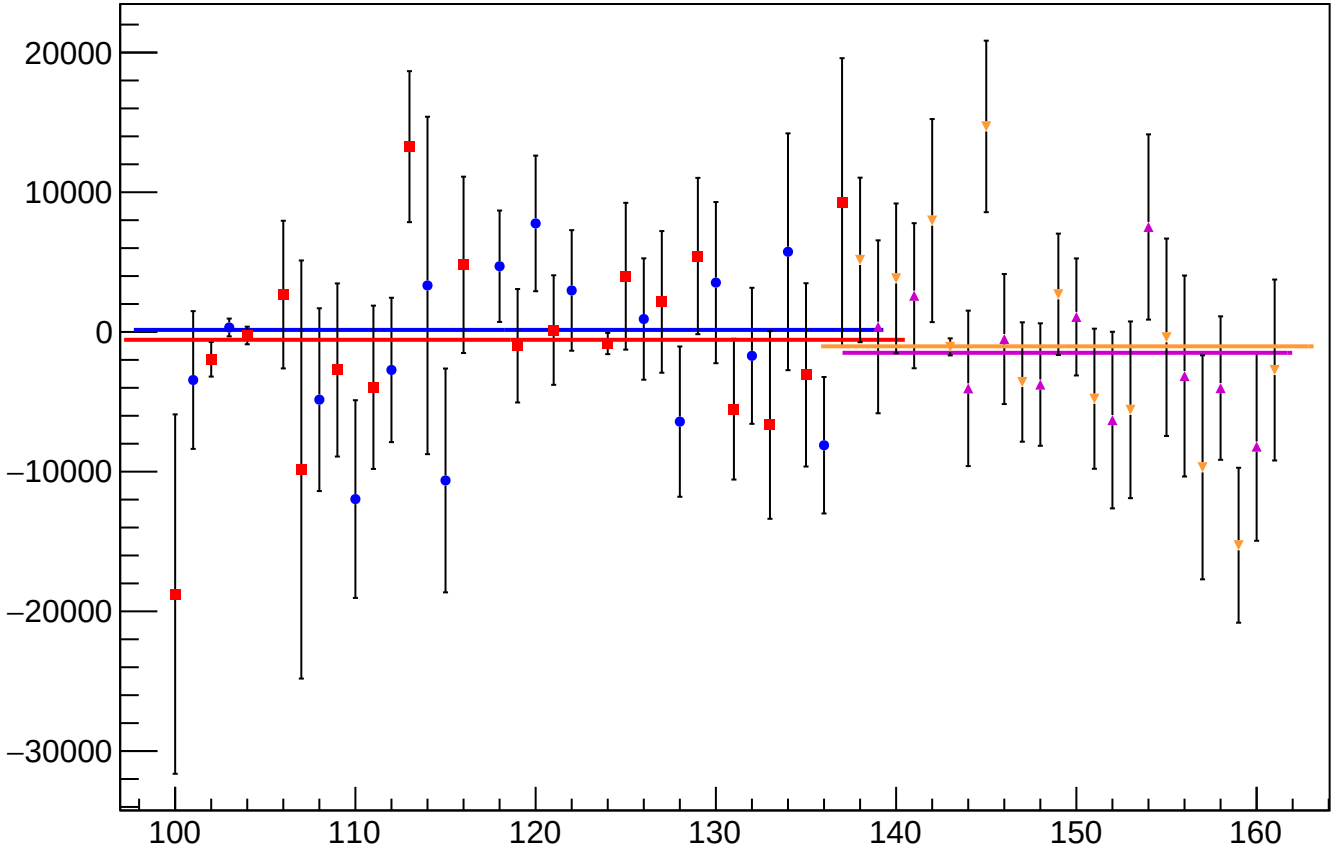
Left In: 1792.175+/-0.410 χ^2/NDF:17796.1/10

\+ sign 1759.440+/-0.299 χ^2/NDF: 500325.7/28

All: 1759.330+/-0.213 χ^2/NDF: 917355.5/58

\- sign 1759.216+/-0.304 χ^2/NDF: 417029.5/29

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1029.905+/-571.867 χ^2/NDF:20.0/12

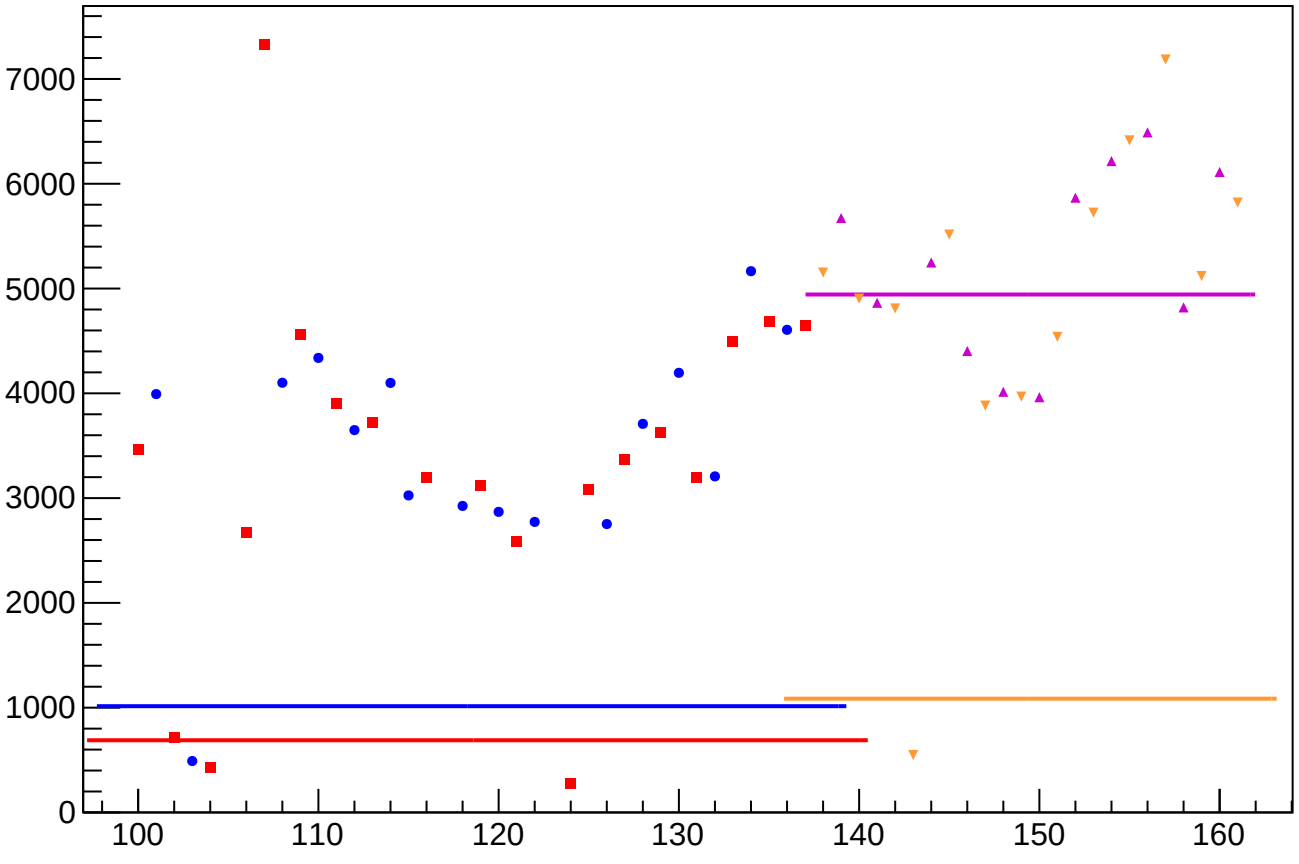
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1492.631+/-1627.052 χ^2/NDF:5.3/10

+ sign -449.332+/-406.993 χ^2/NDF: 37.9/28

All: -533.917+/-291.018 χ^2/NDF: 60.9/58

- sign -622.411+/-416.288 χ^2/NDF: 22.8/29



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1085.793+/-0.404 χ^2/NDF:13271546.4/12

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

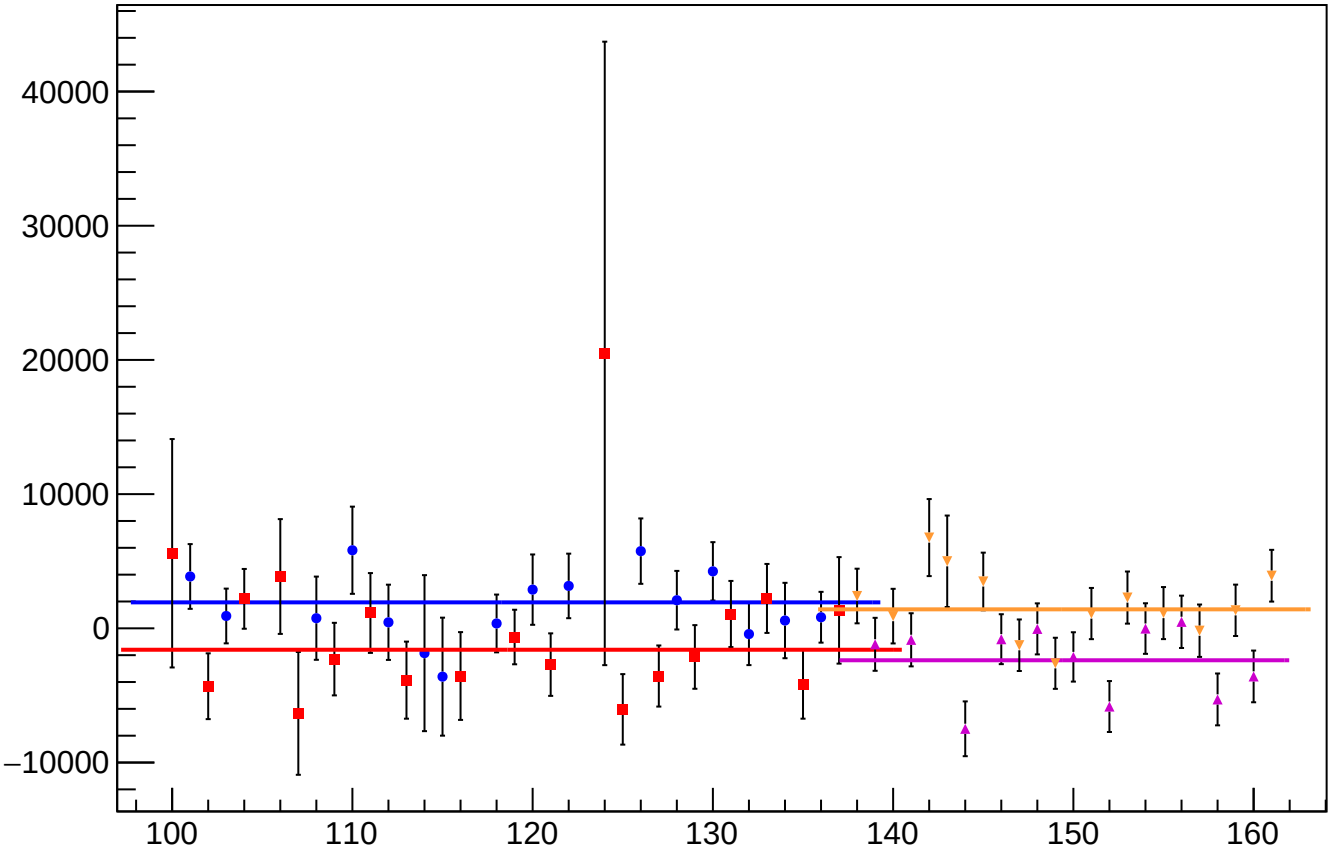
Left In: 4943.151+/-1.150 χ^2/NDF:530733.4/10

+ sign 1050.410+/-0.288 χ^2/NDF: 21510078.9/28

All: 1009.908+/-0.206 χ^2/NDF: 43769001.4/5

- sign 967.534+/-0.294 χ^2/NDF: 22218393.1/29

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1414.960+/-571.238 χ^2/NDF:14.8/12

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

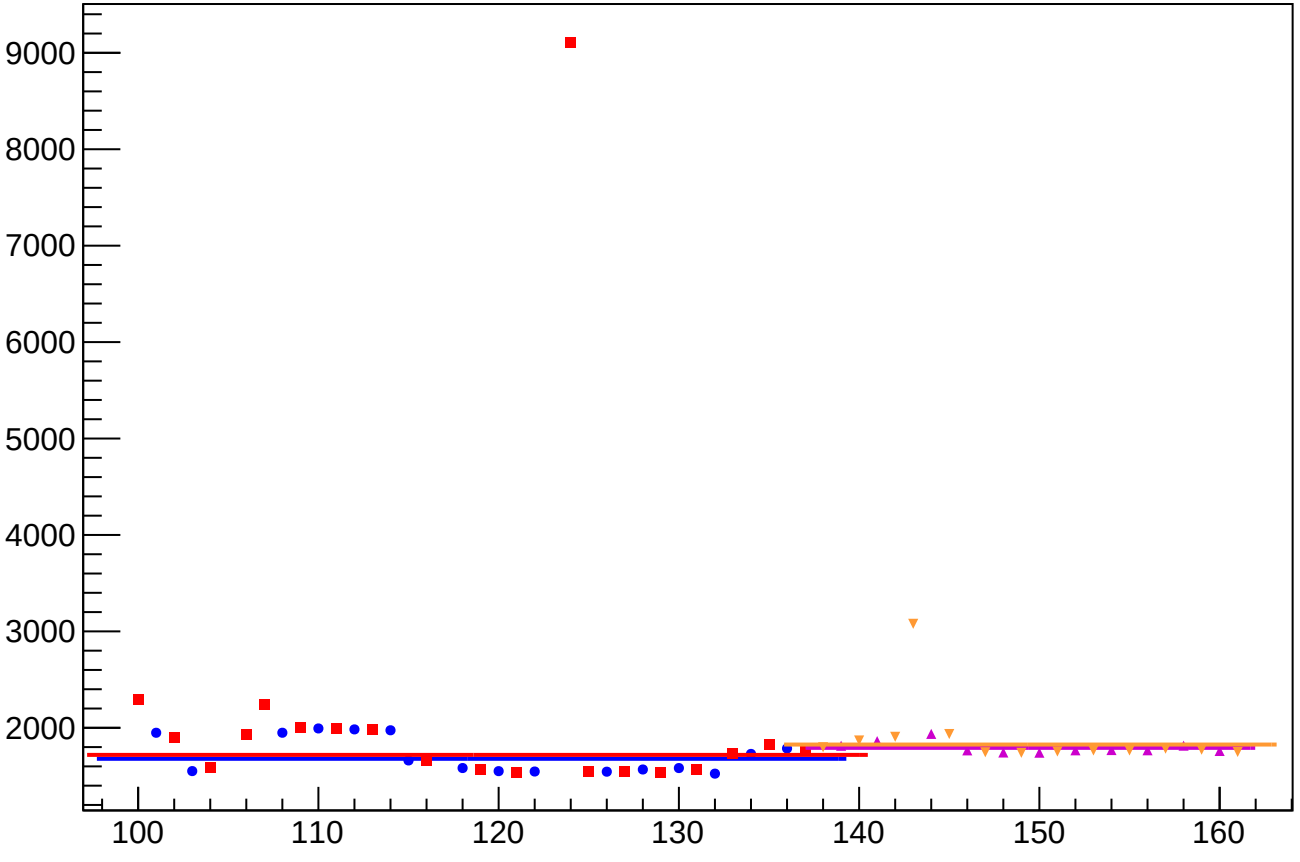
Left In: -2379.521+/-579.975 χ^2/NDF:19.2/10

+ sign 1650.414+/-422.533 χ^2/NDF: 26.1/28

All: -154.418+/-301.529 χ^2/NDF: 102.6/58

- sign -2027.341+/-430.430 χ^2/NDF: 39.4/29

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1826.400+/-0.404 χ^2/NDF:298161.0/12

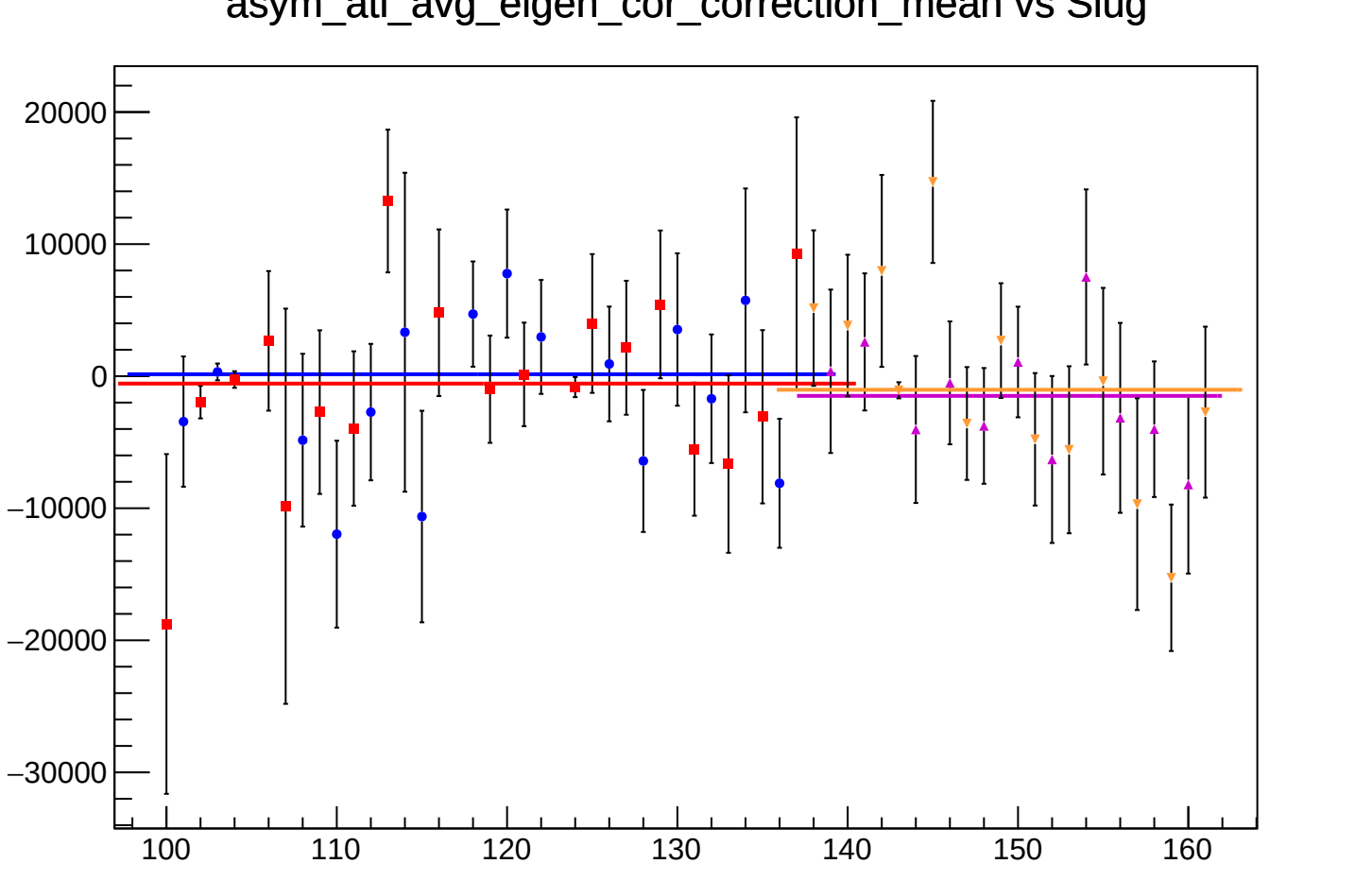
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1792.175+/-0.410 χ^2/NDF:17796.1/10

+ sign 1759.440+/-0.299 χ^2/NDF: 500325.7/28

All: 1759.330+/-0.213 χ^2/NDF: 917355.5/58

- sign 1759.216+/-0.304 χ^2/NDF: 417029.5/29



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1029.905+/-571.867 χ^2/NDF:20.0/12

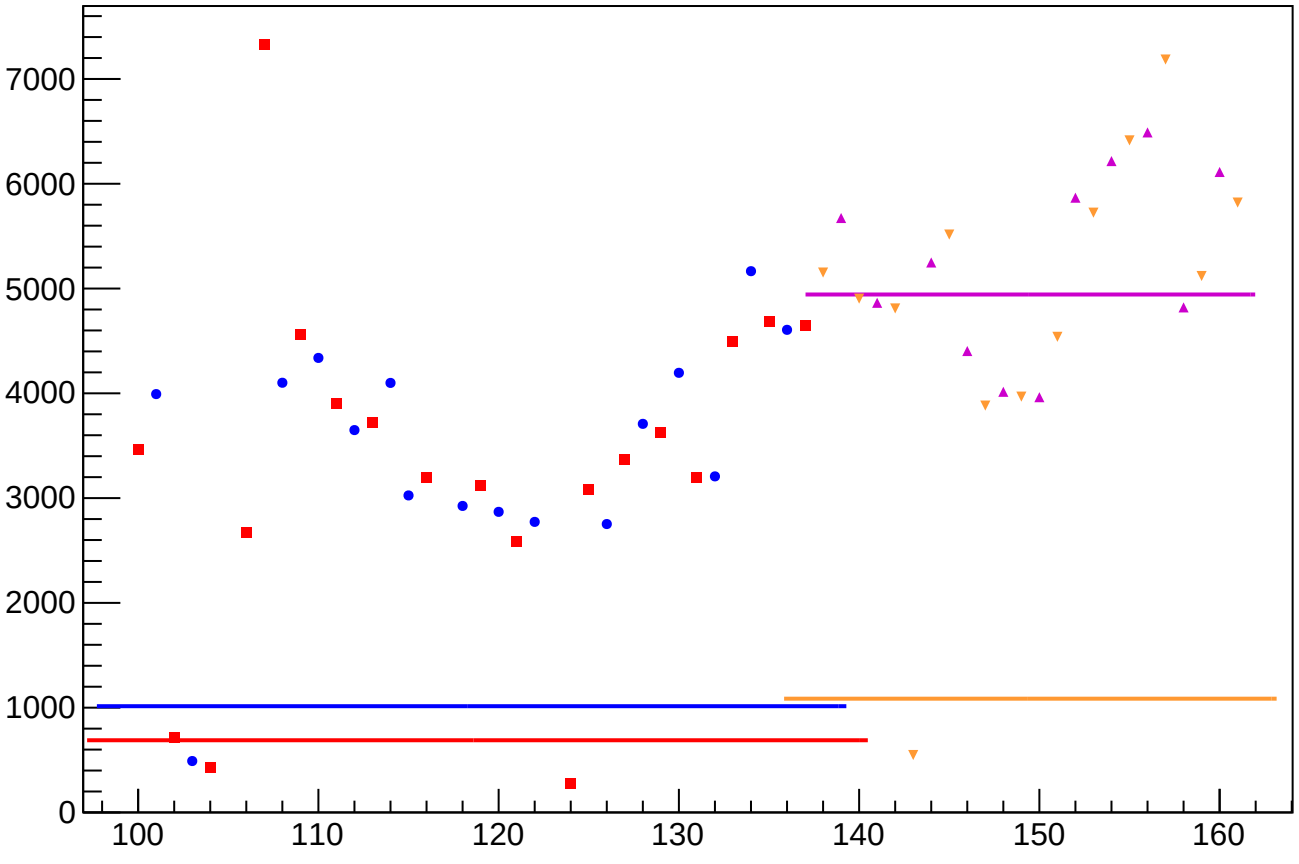
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1492.631+/-1627.052 χ^2/NDF:5.3/10

+ sign -449.332+/-406.993 χ^2/NDF: 37.9/28

All: -533.917+/-291.018 χ^2/NDF: 60.9/58

- sign -622.411+/-416.288 χ^2/NDF: 22.8/29



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1085.793+/-0.404 χ^2/NDF:13271546.4/12

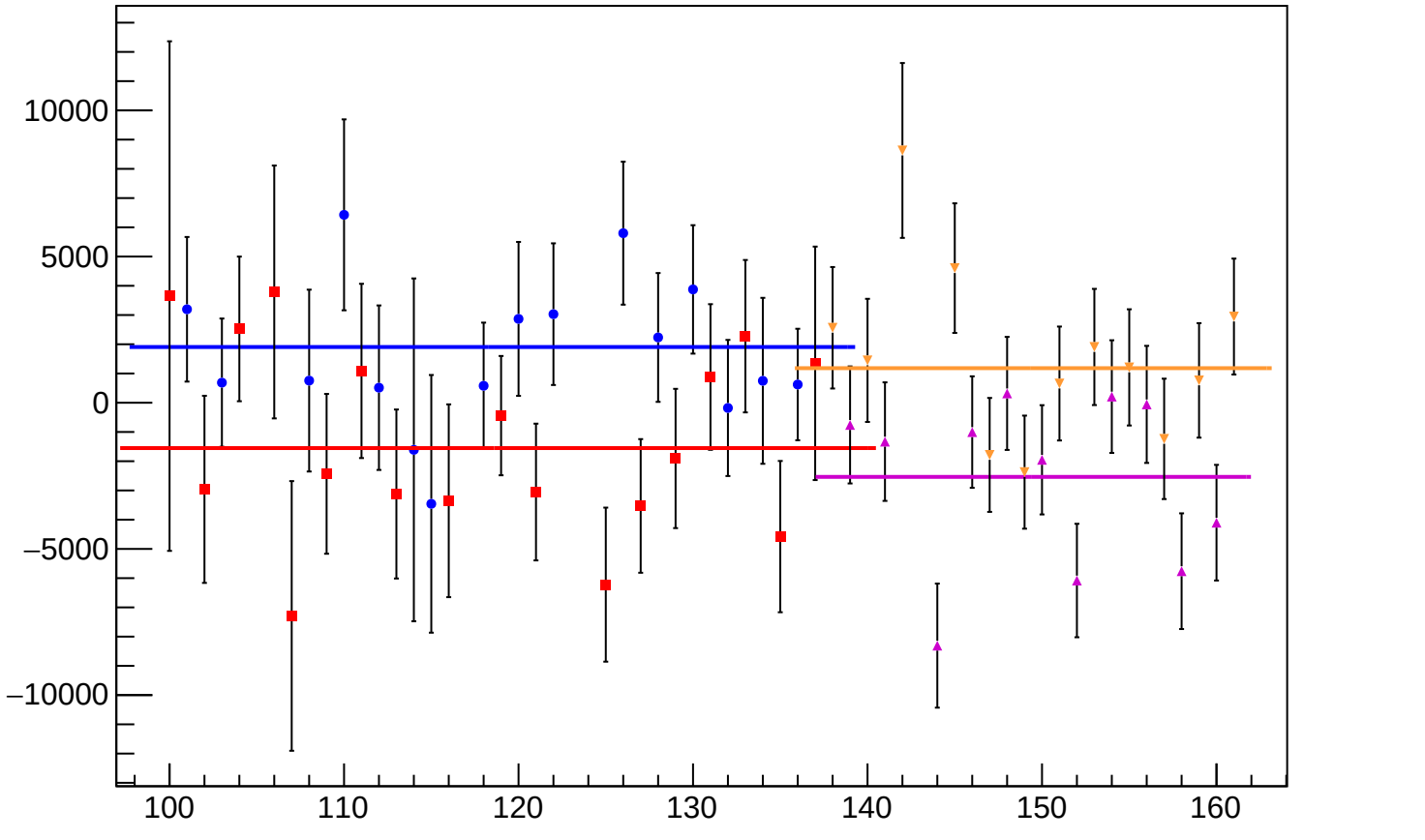
Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4943.151+/-1.150 χ^2/NDF:530733.4/10

+ sign 1050.410+/-0.288 χ^2/NDF: 21510078.9/28

All: 1009.908+/-0.206 χ^2/NDF: 43769001.4/5

- sign 967.534+/-0.294 χ^2/NDF: 22218393.1/29



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1182.109+/-595.031 χ^2/NDF:17.2/11

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

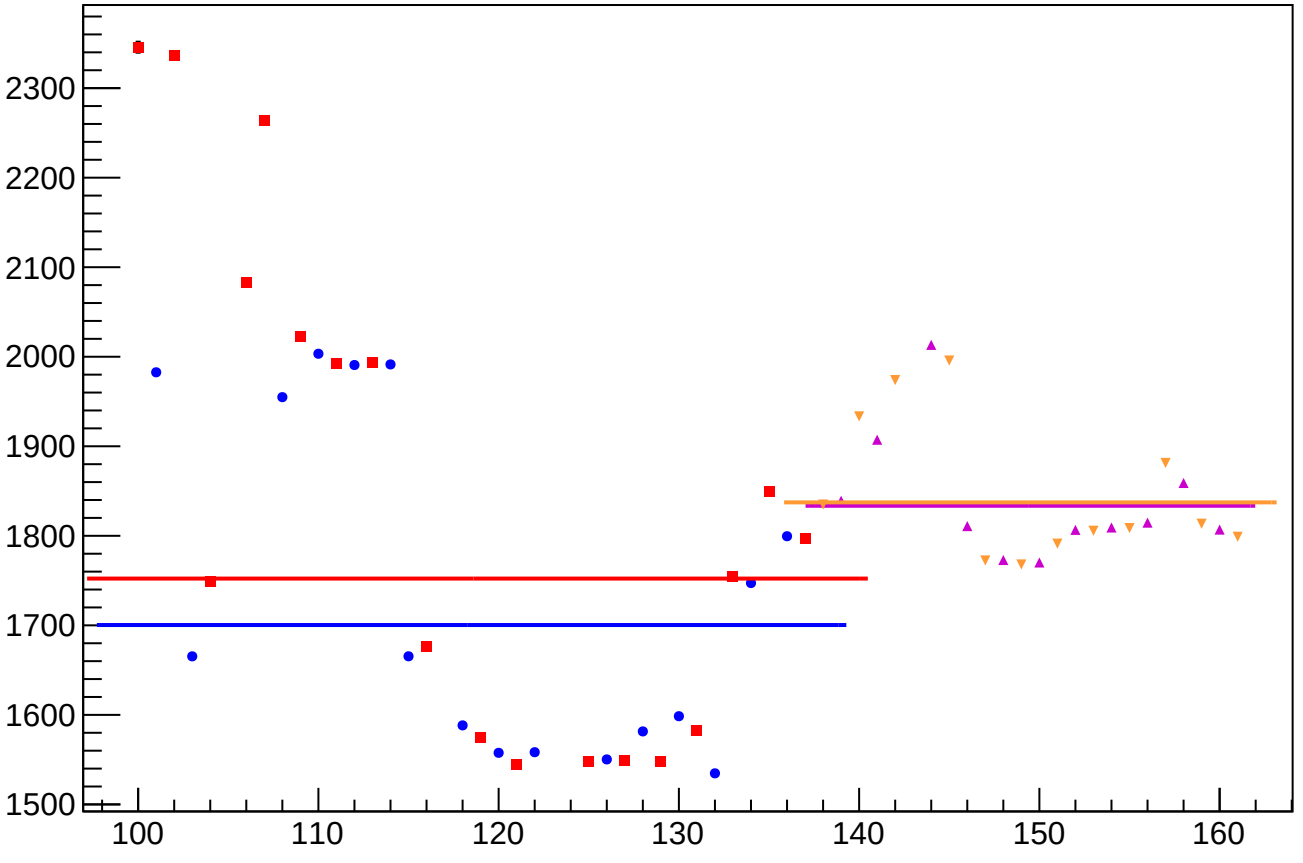
Left In: -2535.949+/-593.481 χ^2/NDF:21.7/10

+ sign 1519.840+/-434.651 χ^2/NDF: 28.1/27

All: -259.511+/-309.778 χ^2/NDF: 102.5/56

- sign -2096.367+/-441.618 χ^2/NDF: 40.3/28

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1837.335+/-0.421 χ^2/NDF:27354.2/11

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

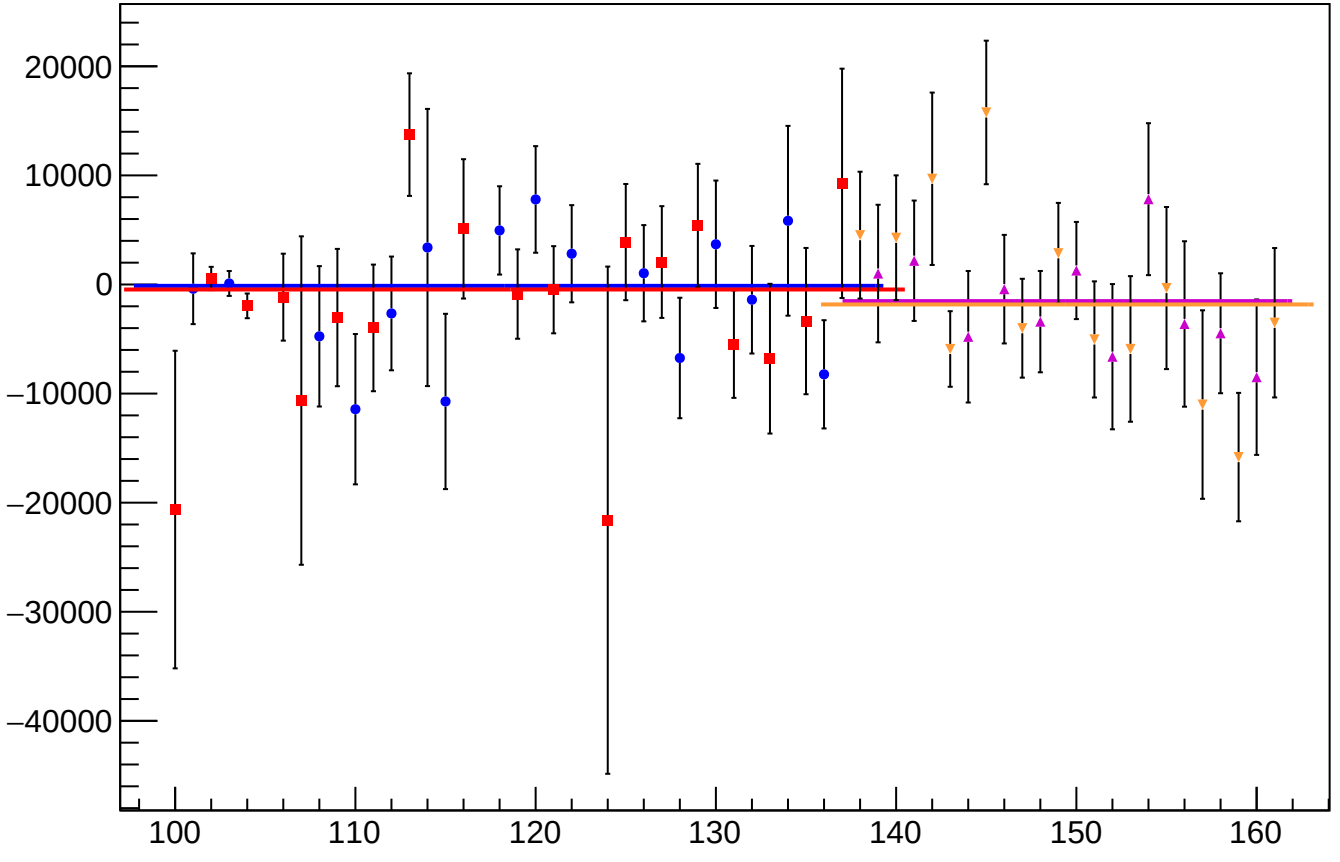
Left In: 1833.555+/-0.420 χ^2/NDF:23127.2/10

+ sign 1773.446+/-0.307 χ^2/NDF: 212207.9/27

All: 1785.133+/-0.219 χ^2/NDF: 503022.7/56

- sign 1797.173+/-0.312 χ^2/NDF: 287879.3/28

asym_atl_avg_dit_correction_mean vs Slug



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1829.972+/-1547.230 χ^2/NDF:21.9/12

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

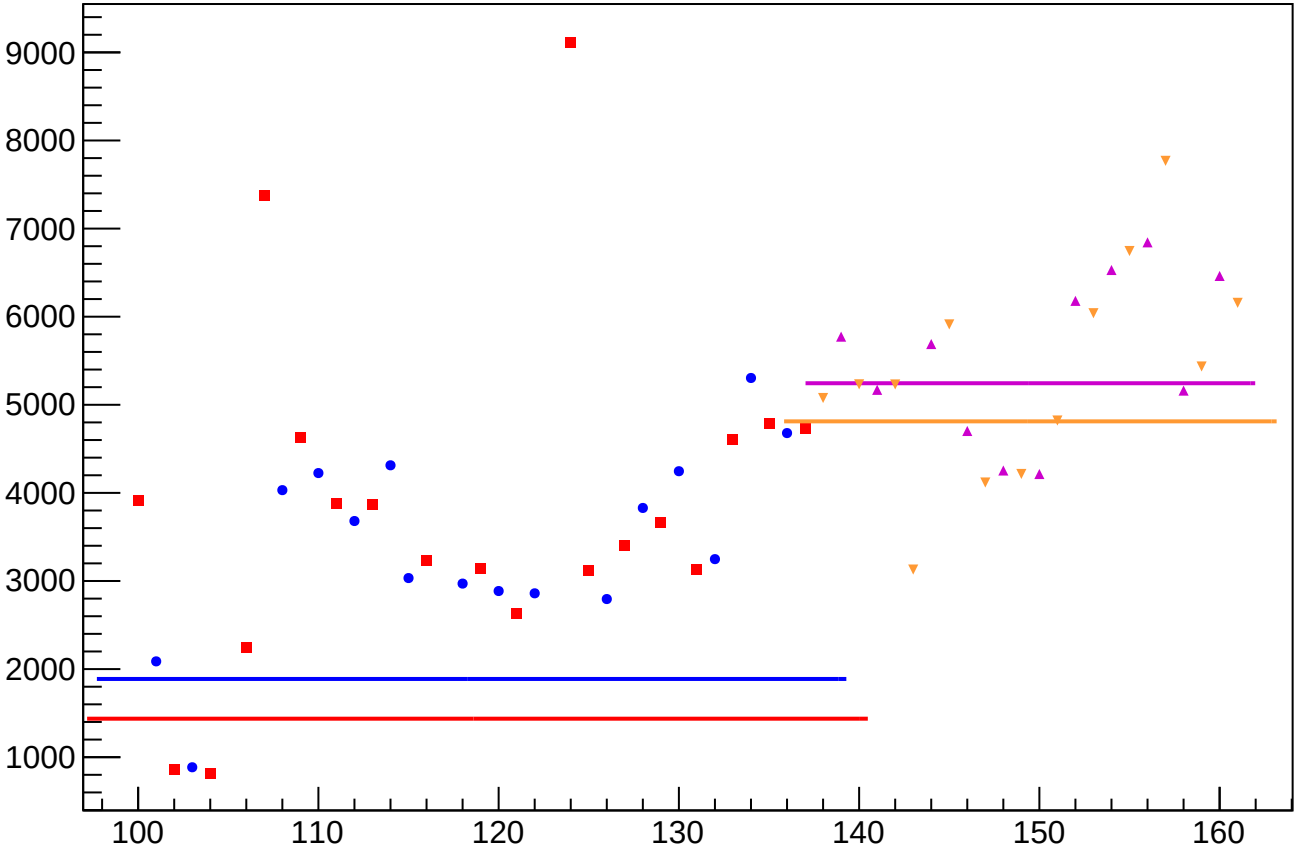
Left In: -1523.969+/-1725.073 χ^2/NDF:5.2/10

+ sign -533.245+/-756.776 χ^2/NDF: 37.9/28

All: -573.924+/-485.064 χ^2/NDF: 61.9/58

- sign -602.289+/-631.945 χ^2/NDF: 24.0/29

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4812.001+/-1.094 χ^2/NDF:1165590.7/12

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

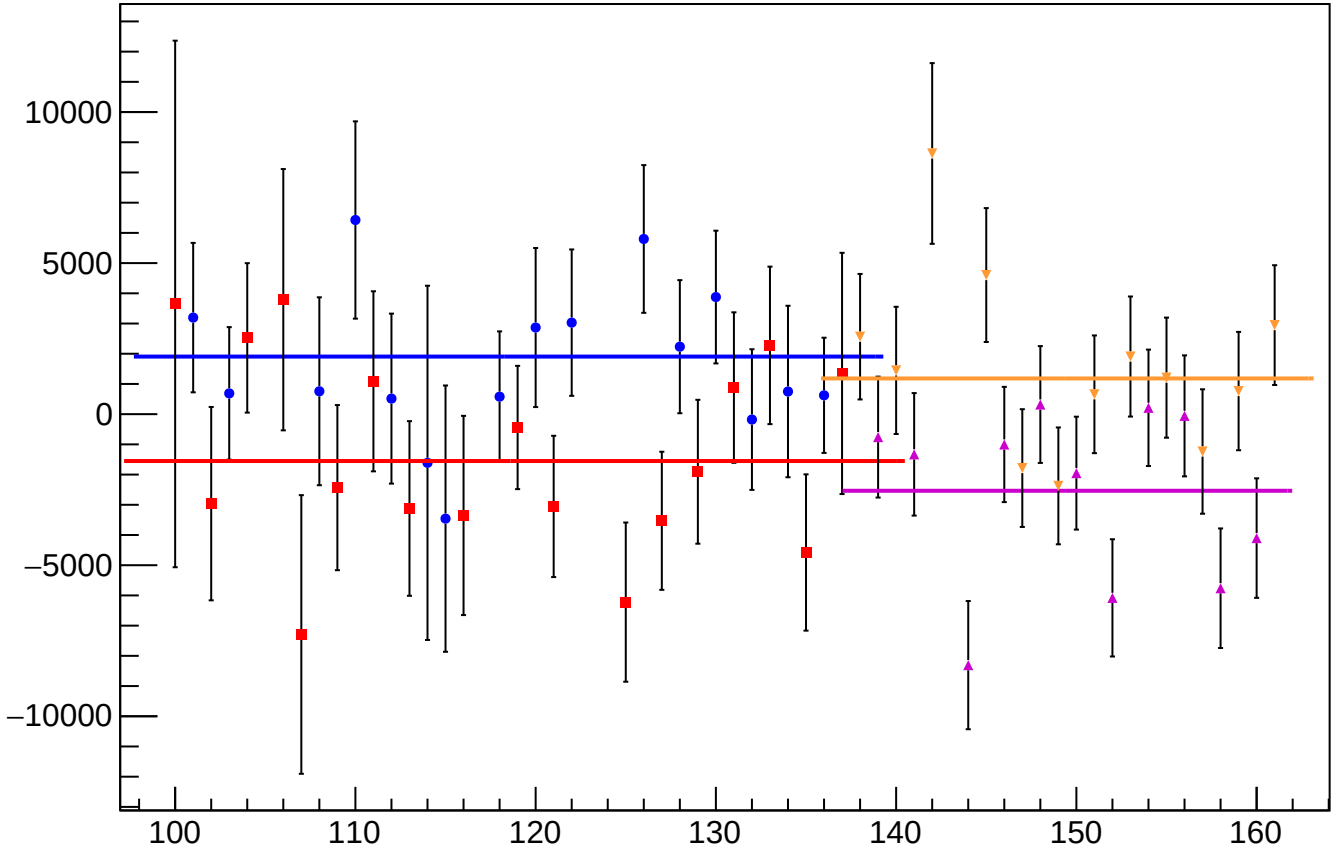
Left In: 5244.666+/-1.220 χ^2/NDF:502481.3/10

+ sign 2587.522+/-0.535 χ^2/NDF: 11025359.6/28

All: 2210.779+/-0.343 χ^2/NDF: 26769145.6/5

- sign 1948.073+/-0.447 χ^2/NDF: 14902492.4/29

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1182.107+/-595.031 χ^2/NDF:17.2/11

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

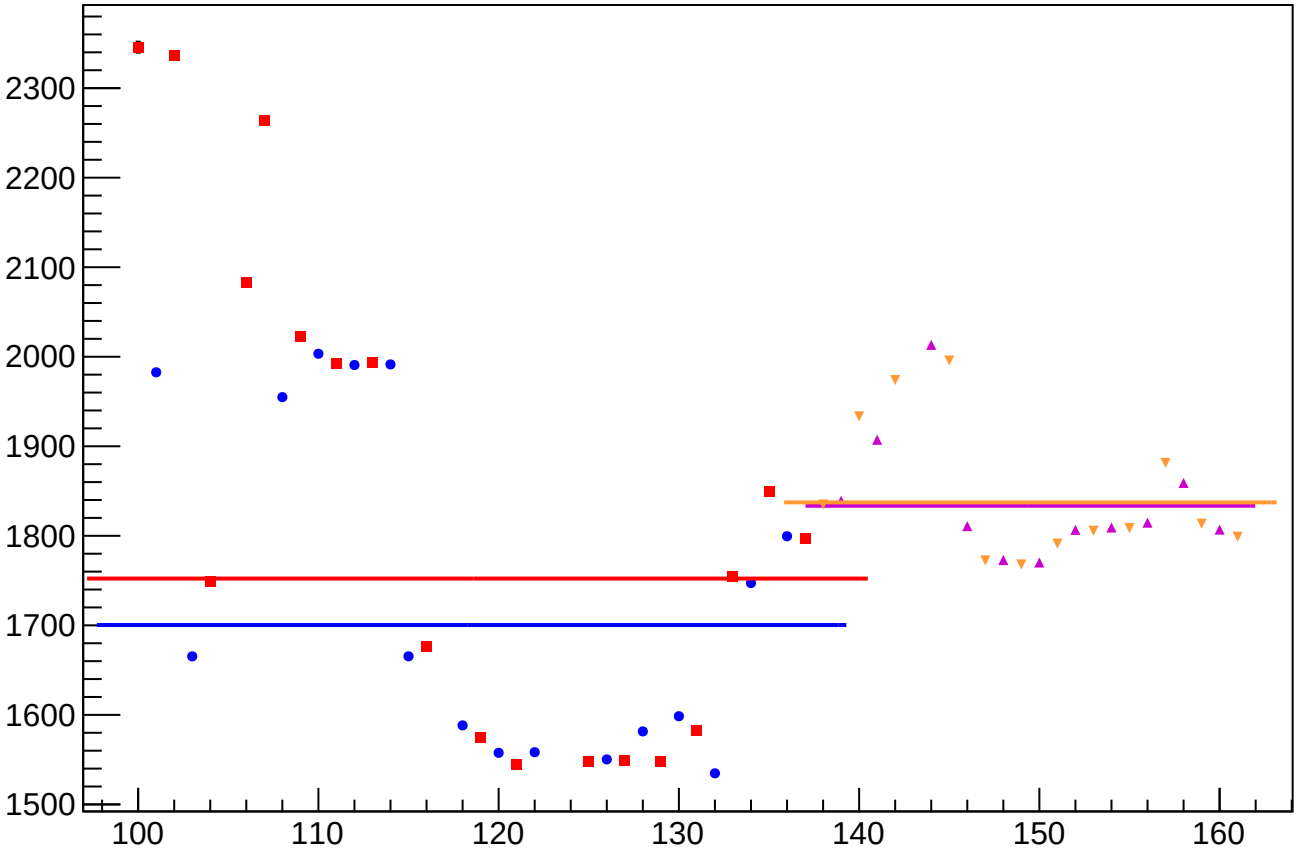
Left In: -2535.949+/-593.482 χ^2/NDF:21.7/10

+ sign 1519.838+/-434.651 χ^2/NDF: 28.1/27

All: -259.511+/-309.779 χ^2/NDF: 102.5/56

- sign -2096.365+/-441.618 χ^2/NDF: 40.3/28

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1837.337+/-0.421 χ^2/NDF:27354.8/11

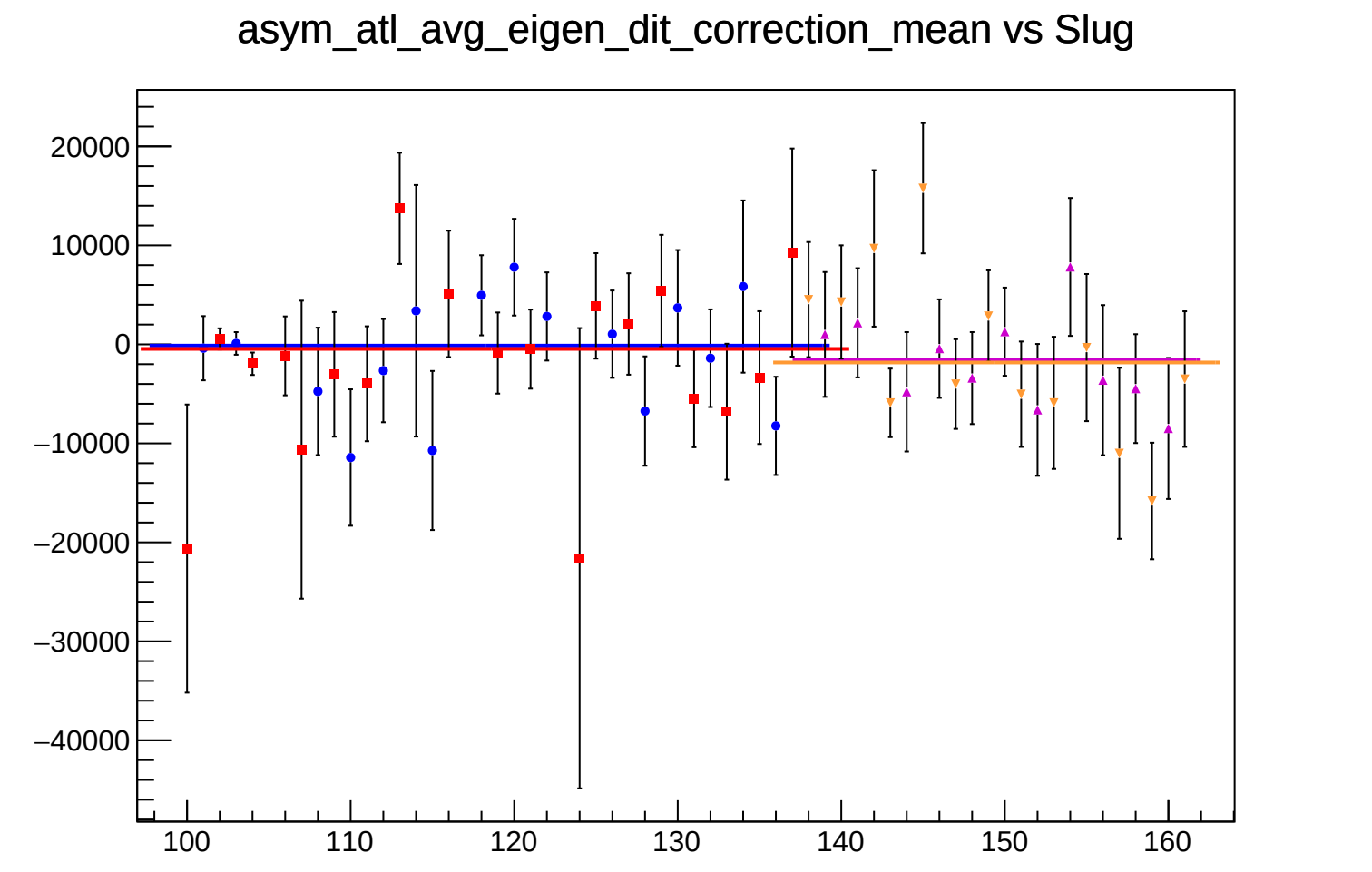
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1833.557+/-0.420 χ^2/NDF:23127.5/10

+ sign 1773.447+/-0.307 χ^2/NDF: 212209.8/27

All: 1785.133+/-0.219 χ^2/NDF: 503025.1/56

- sign 1797.173+/-0.312 χ^2/NDF: 287879.9/28



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1829.977+/-1547.232 χ^2/NDF:21.9/12

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

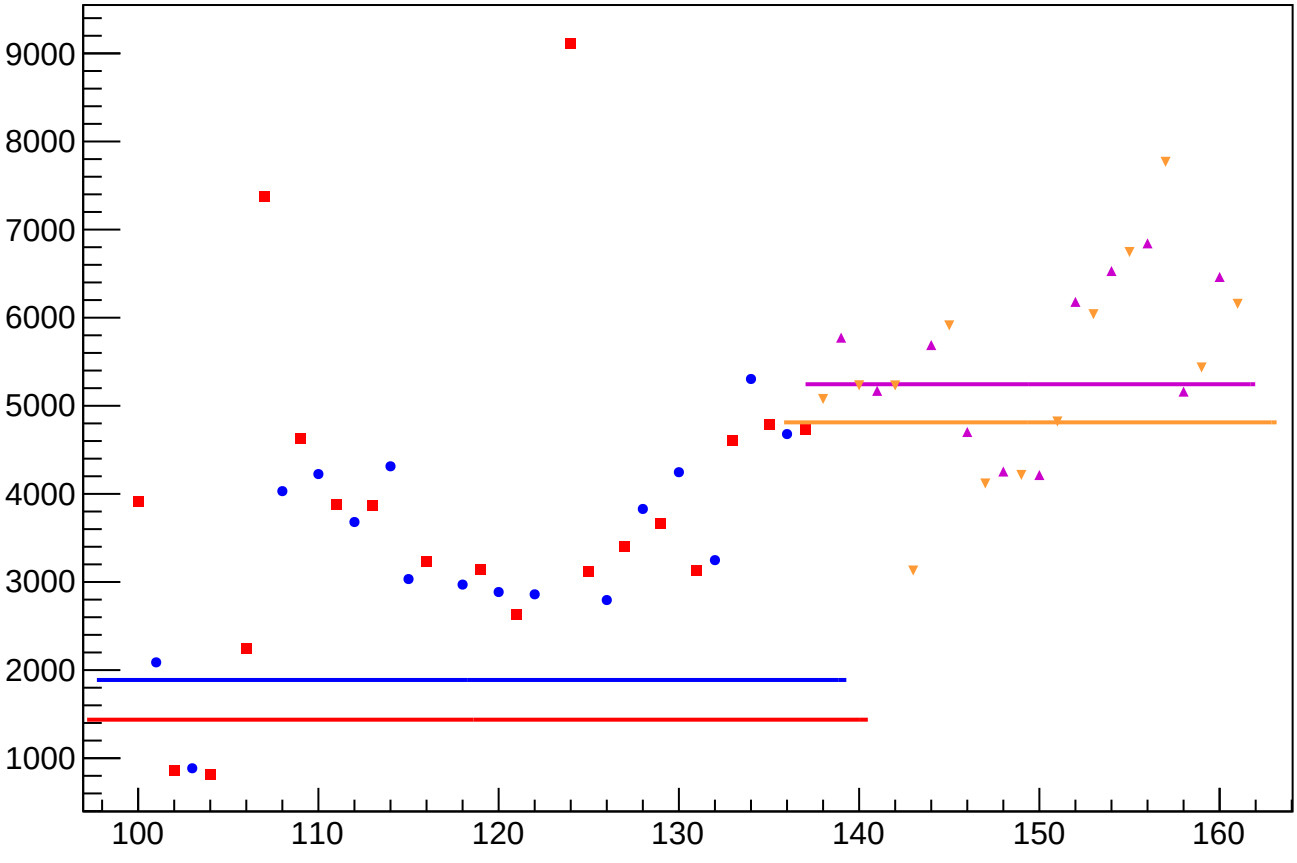
Left In: -1523.970+/-1725.075 χ^2/NDF:5.2/10

+ sign -533.238+/-756.772 χ^2/NDF: 37.9/28

All: -573.919+/-485.061 χ^2/NDF: 61.9/58

- sign -602.286+/-631.941 χ^2/NDF: 24.0/29

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4812.005+/-1.094 χ^2/NDF:1165597.2/12

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

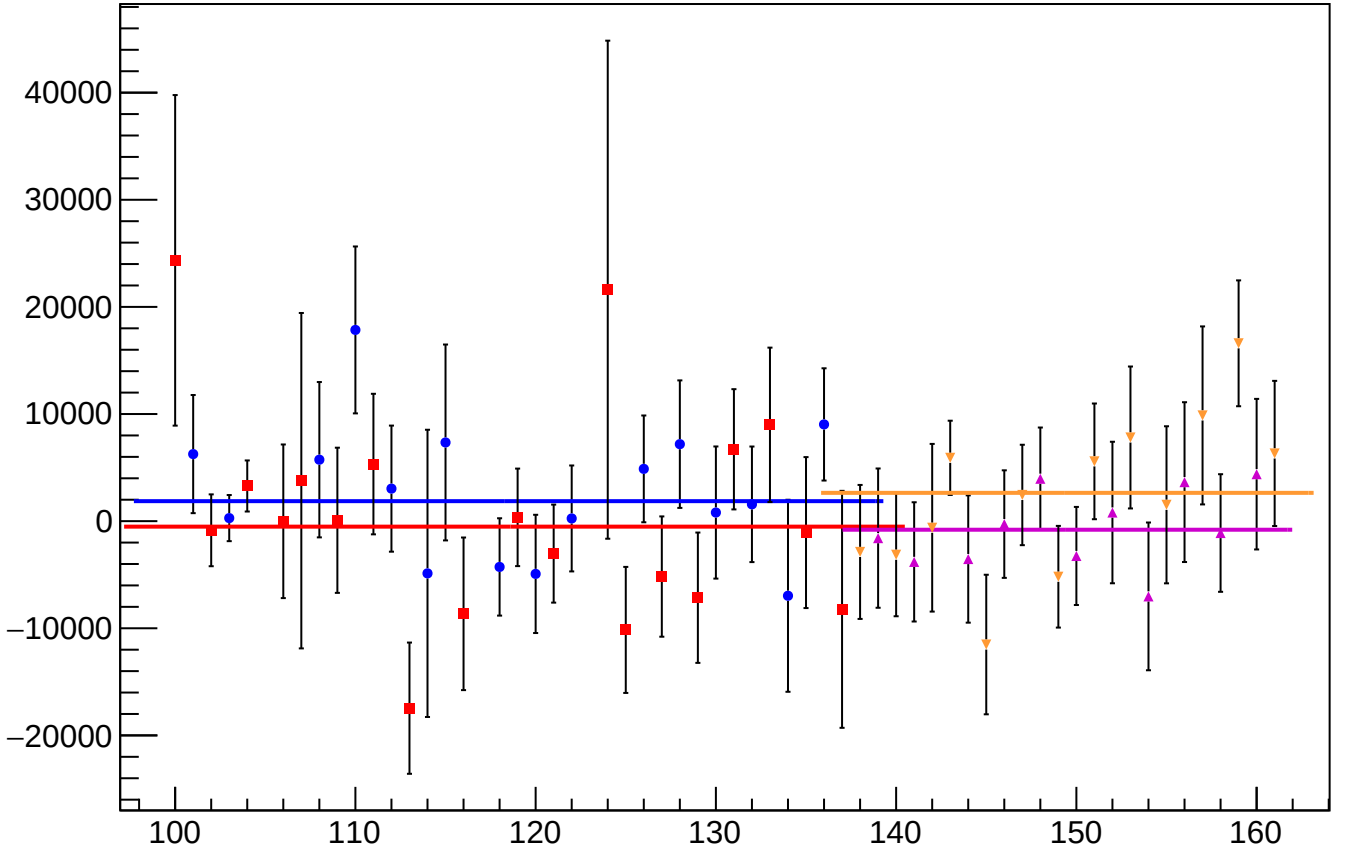
Left In: 5244.673+/-1.220 χ^2/NDF:502484.4/10

+ sign 2587.503+/-0.535 χ^2/NDF: 11025488.5/28

All: 2210.759+/-0.343 χ^2/NDF: 26769404.9/5

- sign 1948.054+/-0.447 χ^2/NDF: 14902616.3/29

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 2641.639+/-1561.845 χ^2/NDF:17.9/12

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

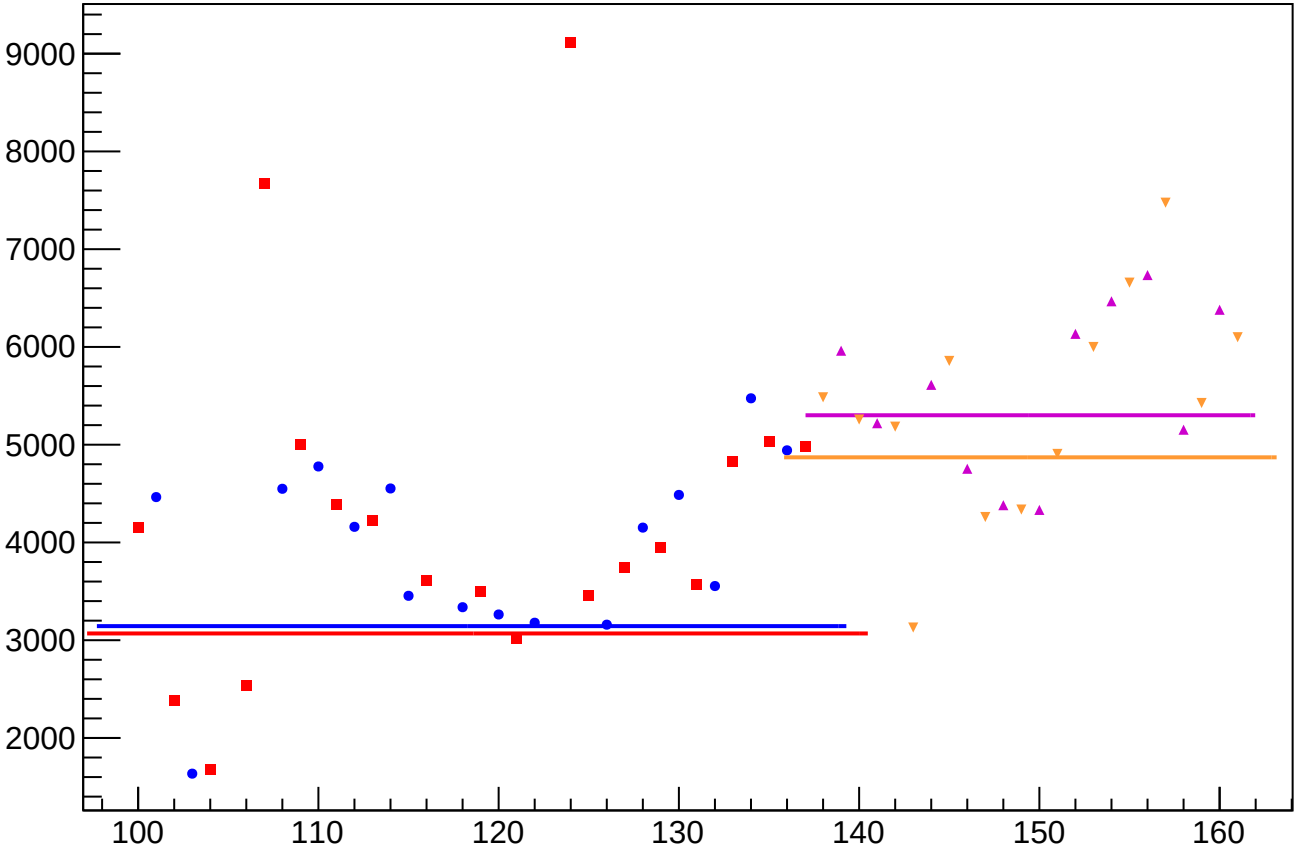
Left In: -800.907+/-1738.781 χ^2/NDF:3.6/10

+ sign 2171.926+/-980.280 χ^2/NDF: 31.9/28

All: 823.080+/-703.567 χ^2/NDF: 64.1/58

- sign -609.904+/-1010.391 χ^2/NDF: 28.3/29

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4870.729+/-1.104 χ^2/NDF:1099074.1/12

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

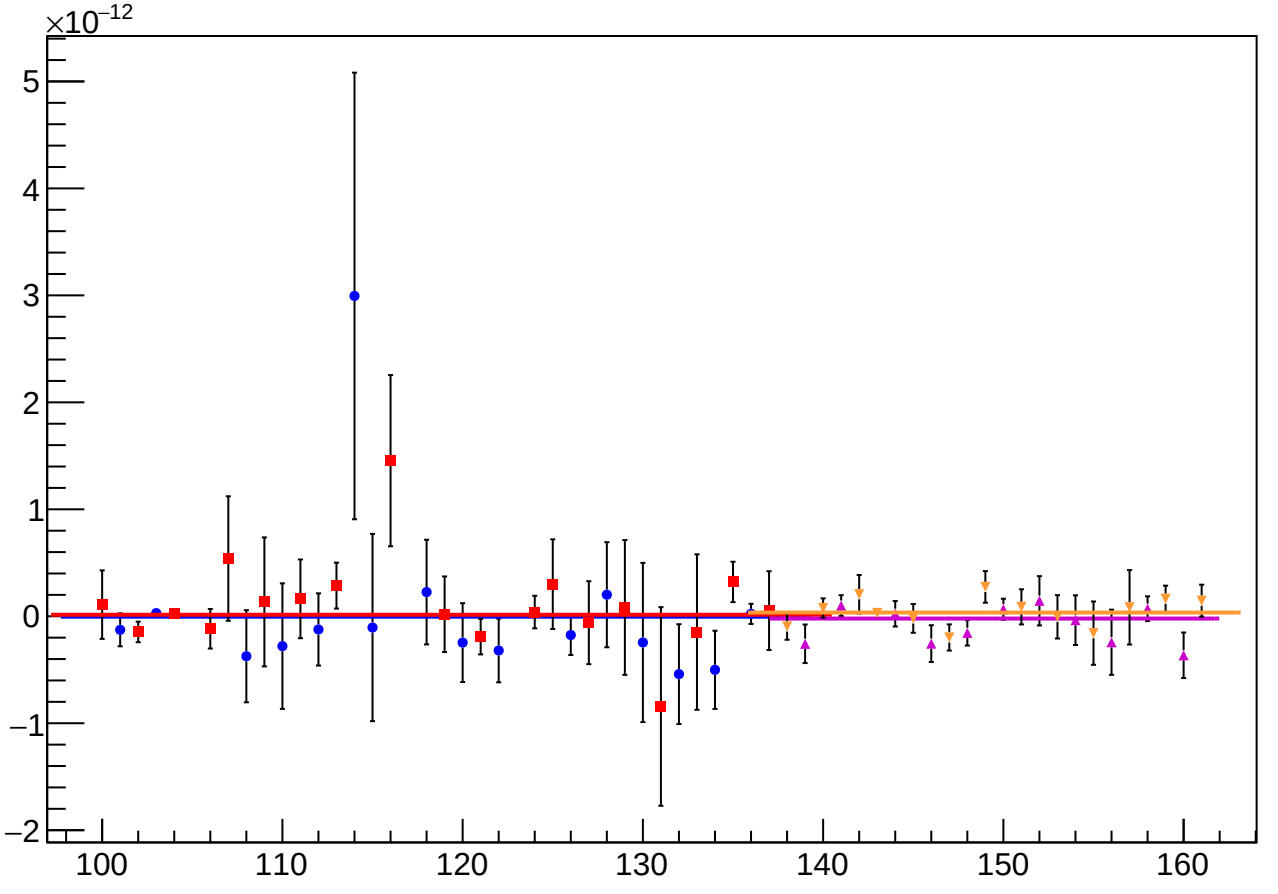
Left In: 5301.195+/-1.230 χ^2/NDF:425278.2/10

+ sign 3824.299+/-0.693 χ^2/NDF: 4463550.7/28

All: 3815.922+/-0.495 χ^2/NDF: 8976747.0/58

- sign 3807.206+/-0.707 χ^2/NDF: 4512898.3/29

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:10.9/12

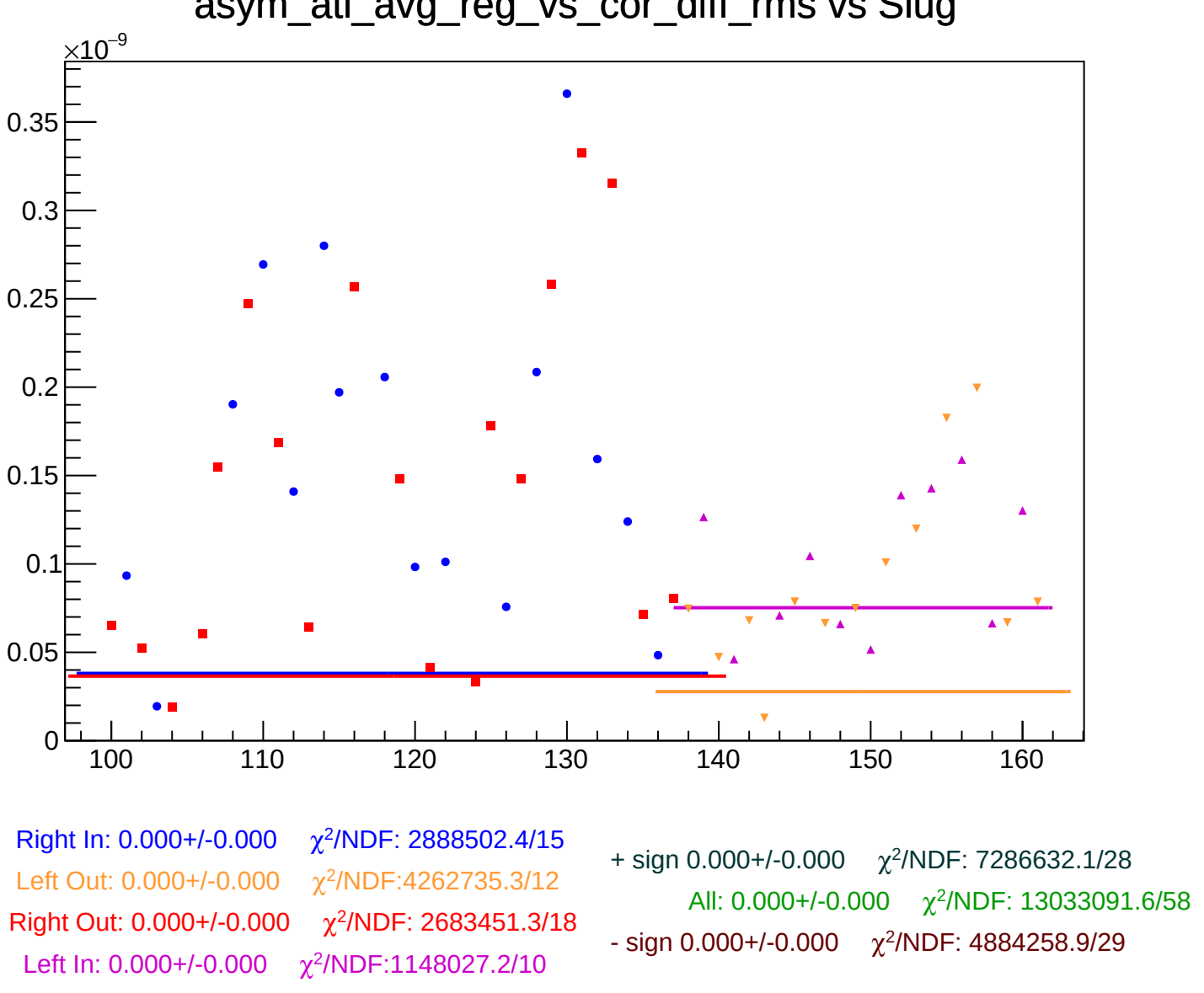
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:11.6/10

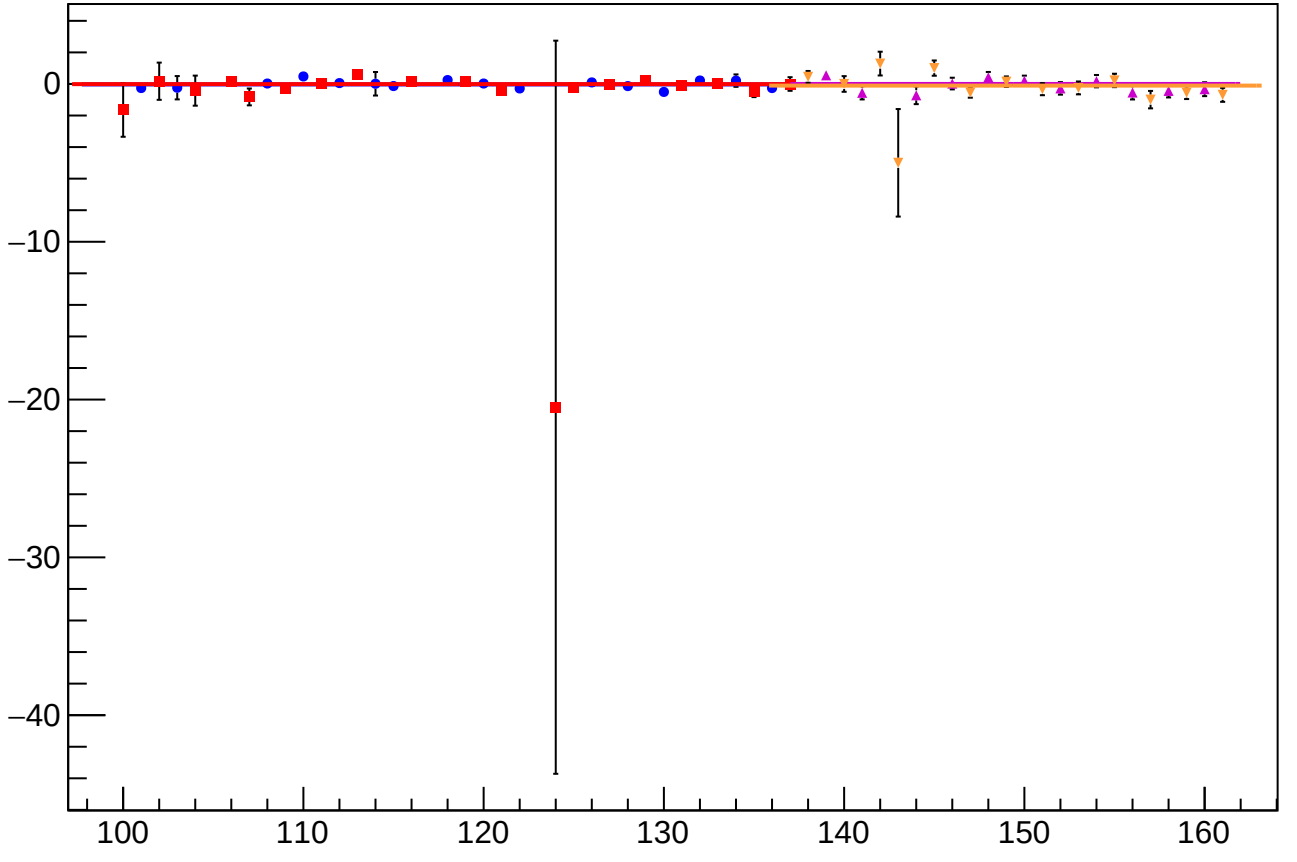
+ sign 0.000+/-0.000 χ^2/NDF: 22.5/28

All: 0.000+/-0.000 χ^2/NDF: 50.1/58

- sign 0.000+/-0.000 χ^2/NDF: 27.0/29


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
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:4262735.3/12
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:1148027.2/10
+ sign 0.000+/-0.000 χ²/NDF: 7286632.1/28
All: 0.000+/-0.000 χ²/NDF: 13033091.6/58
- sign 0.000+/-0.000 χ²/NDF: 4884258.9/29

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.104+/-0.121 χ^2/NDF:22.0/12

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

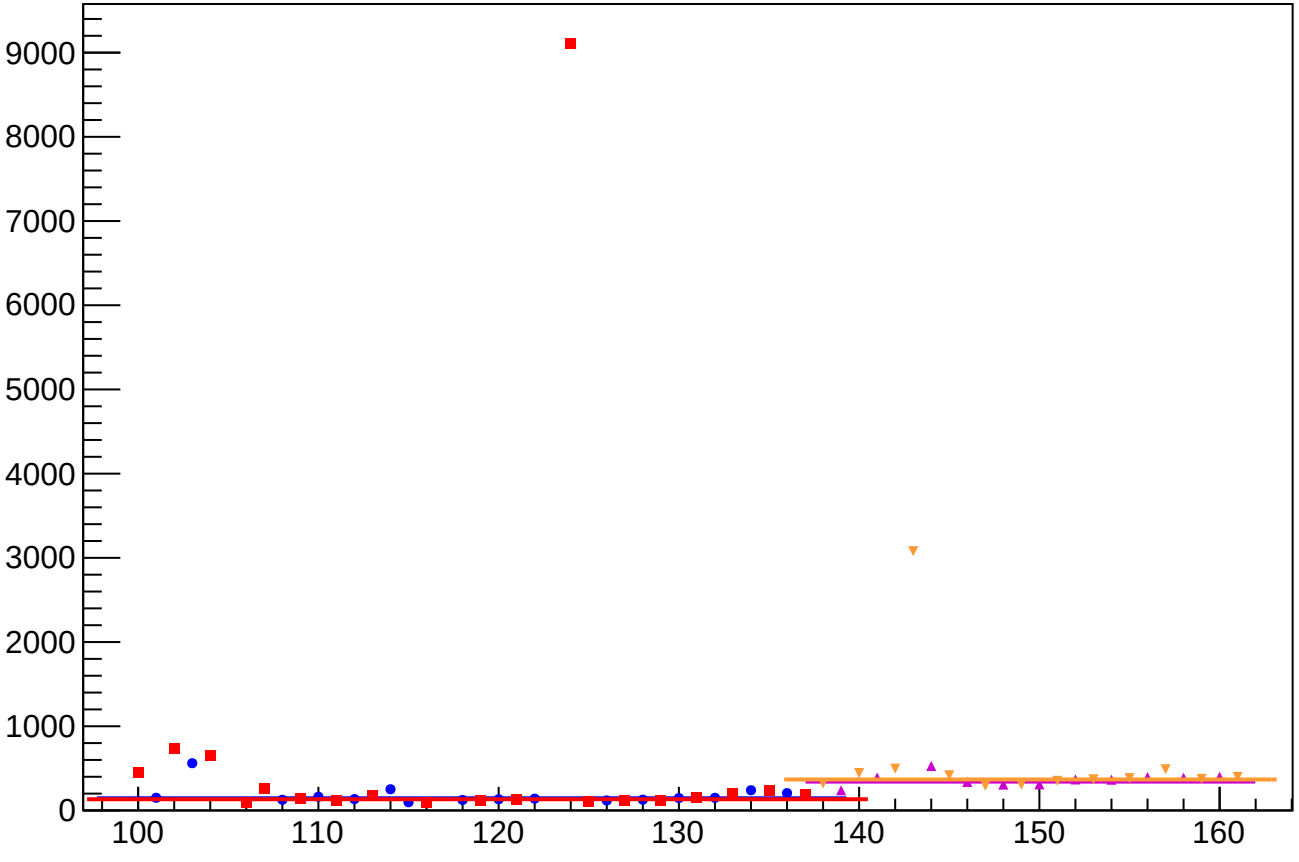
Left In: 0.000+/-0.114 χ^2/NDF:13.3/10

+ sign -0.043+/-0.052 χ^2/NDF: 39.5/28

All: -0.025+/-0.036 χ^2/NDF: 74.8/58

- sign -0.008+/-0.051 χ^2/NDF: 35.1/29

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 367.648+/-0.086 χ^2/NDF:1701482.0/12

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

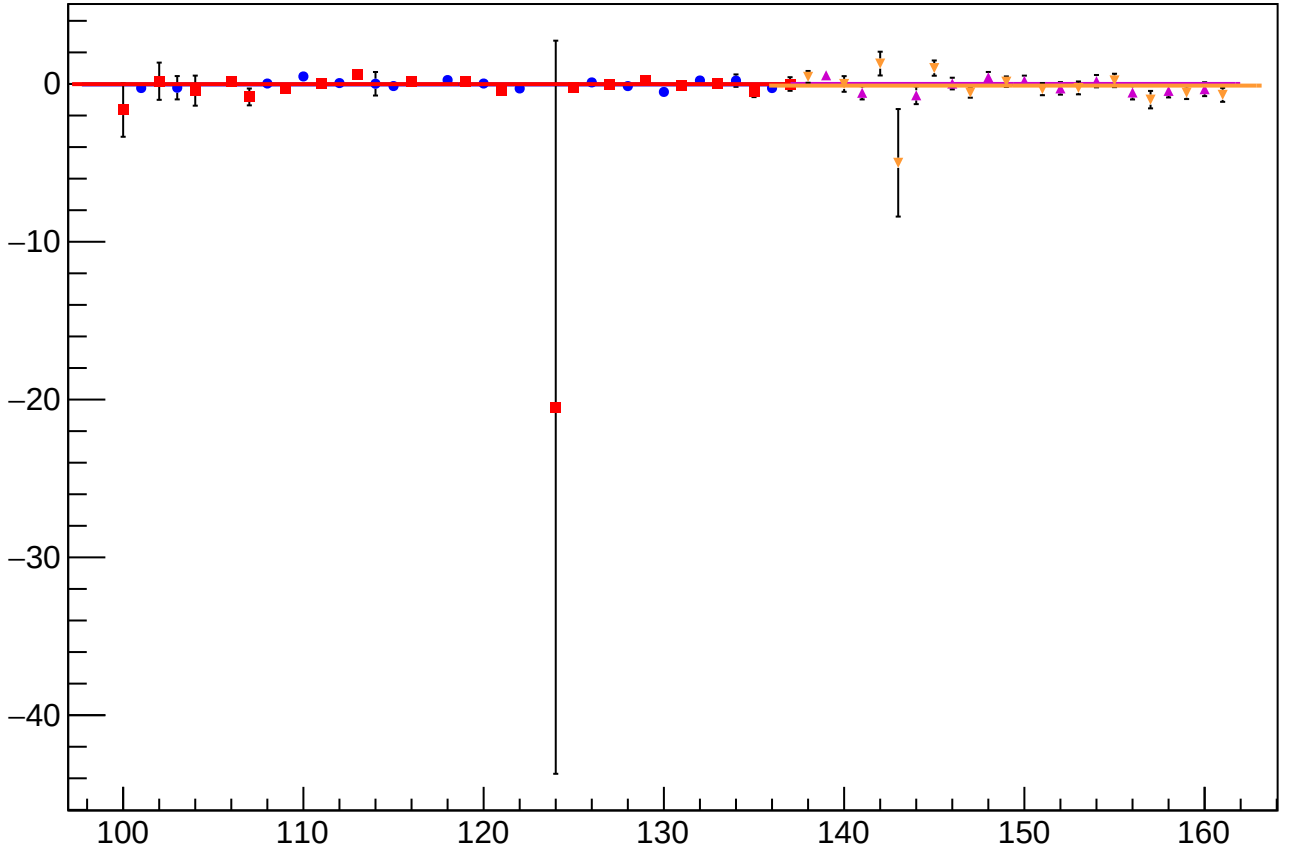
Left In: 342.719+/-0.081 χ^2/NDF:675473.7/10

+ sign 185.840+/-0.037 χ^2/NDF: 8380760.2/28

All: 179.935+/-0.026 χ^2/NDF: 16719757.2/58

- sign 174.366+/-0.036 χ^2/NDF: 8289206.1/29

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: -0.104+/-0.121 χ^2/NDF:22.0/12

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

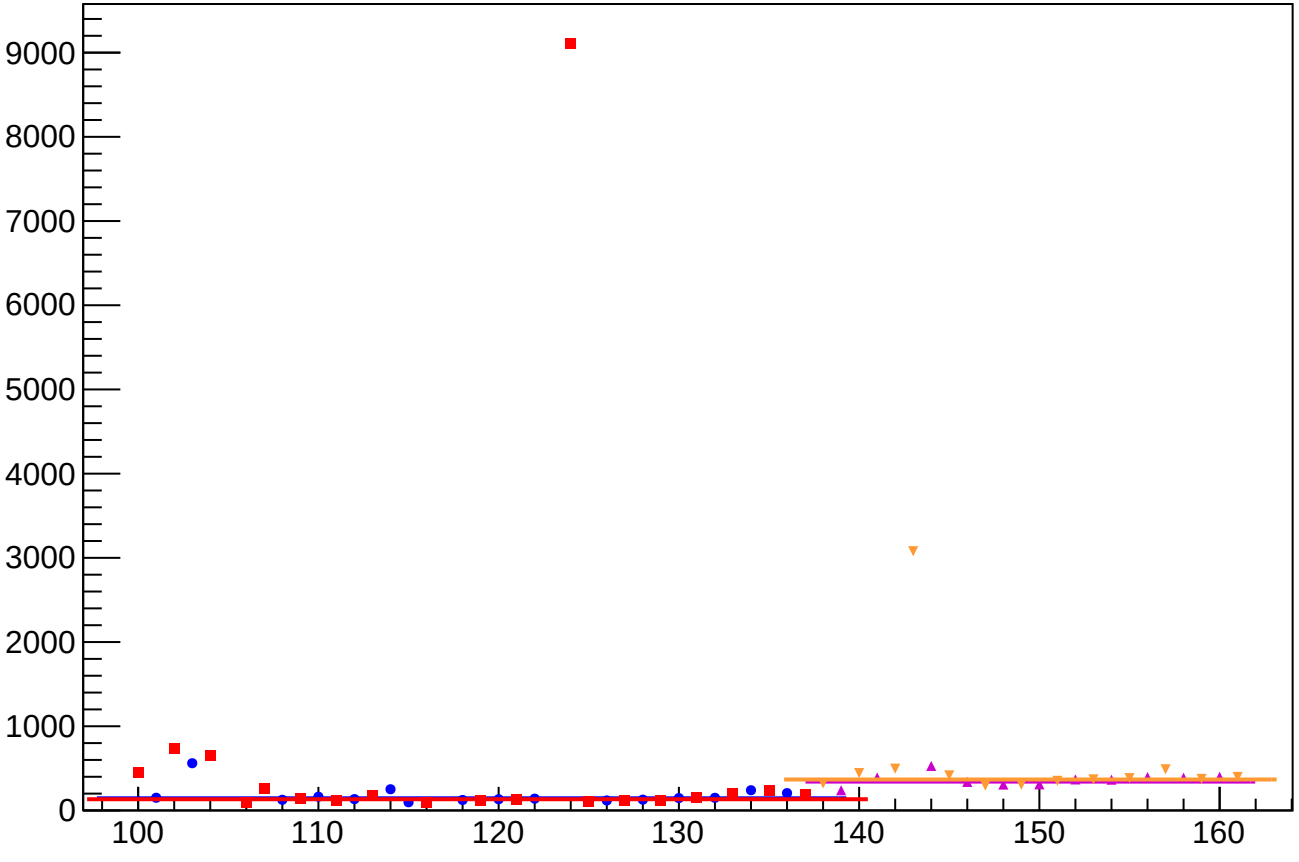
Left In: 0.000+/-0.114 χ^2/NDF:13.3/10

+ sign -0.043+/-0.052 χ^2/NDF: 39.5/28

All: -0.025+/-0.036 χ^2/NDF: 74.8/58

- sign -0.008+/-0.051 χ^2/NDF: 35.1/29

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: 367.648+/-0.086 χ^2/NDF:1701482.0/12

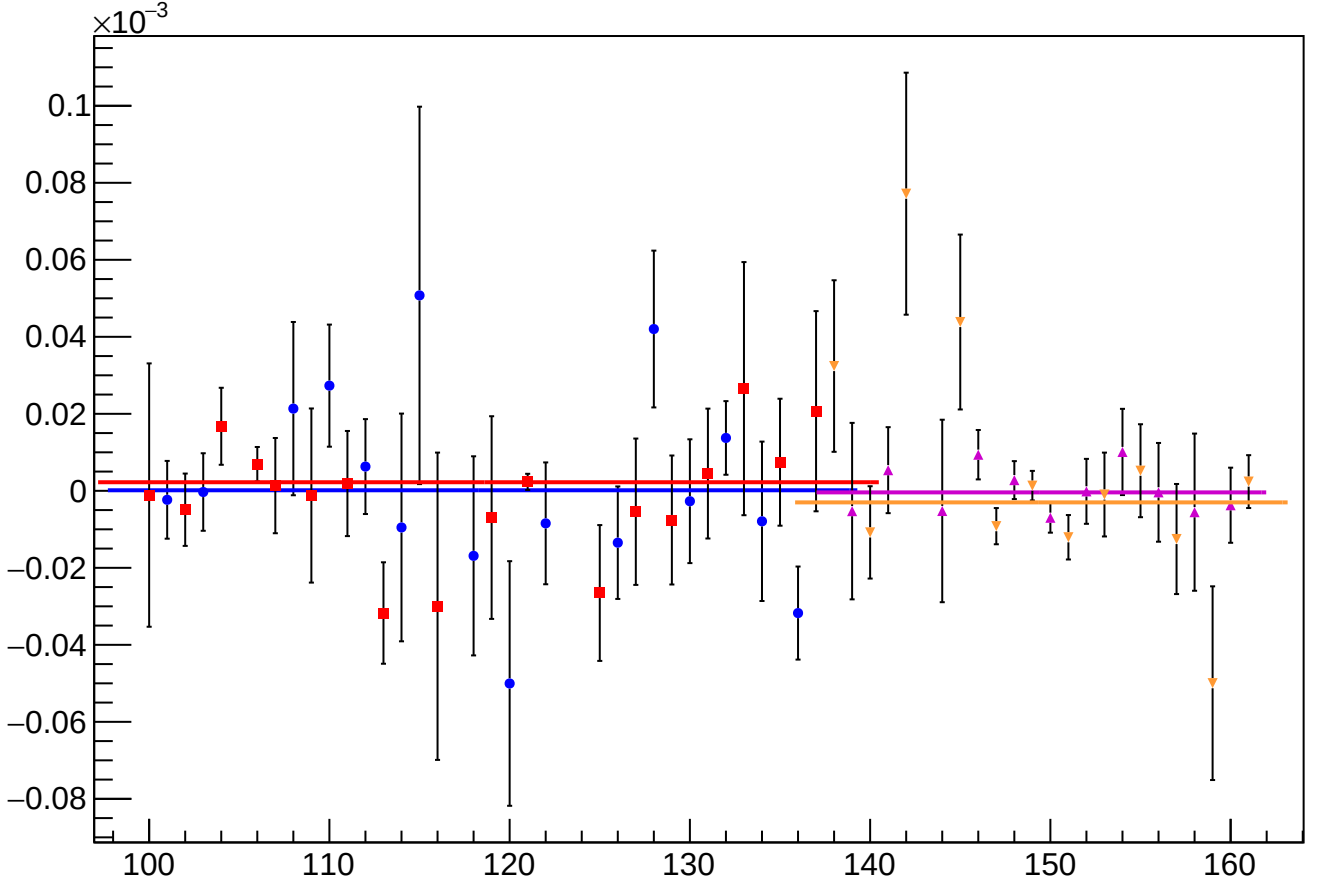
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 342.719+/-0.081 χ^2/NDF:675473.7/10

+ sign 185.840+/-0.037 χ^2/NDF: 8380760.2/28

All: 179.935+/-0.026 χ^2/NDF: 16719757.2/58

- sign 174.366+/-0.036 χ^2/NDF: 8289206.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

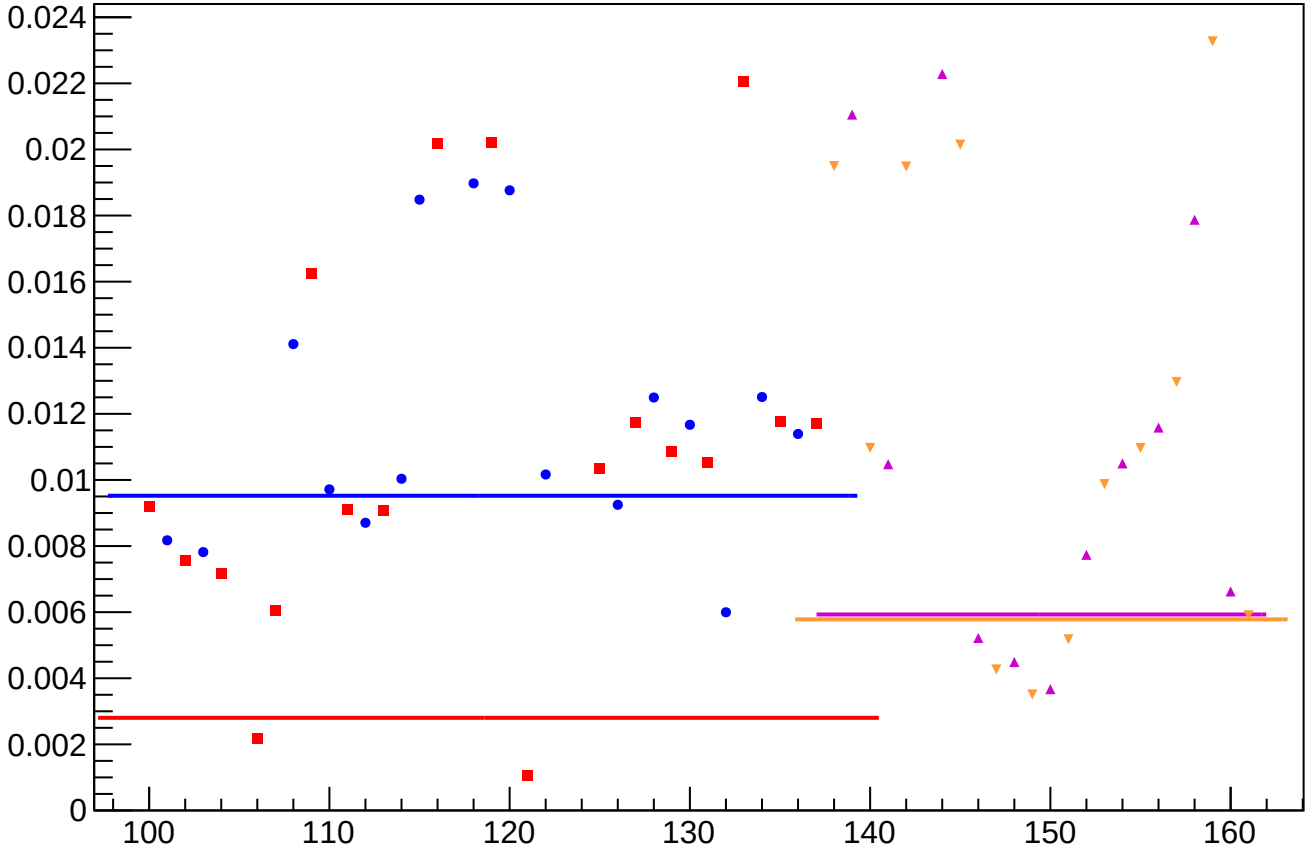
Left In: -0.000+/-0.000 χ^2/NDF:7.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 47.5/27

All: 0.000+/-0.000 χ^2/NDF: 73.1/56

- sign 0.000+/-0.000 χ^2/NDF: 23.5/28

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:5365388.6/11

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

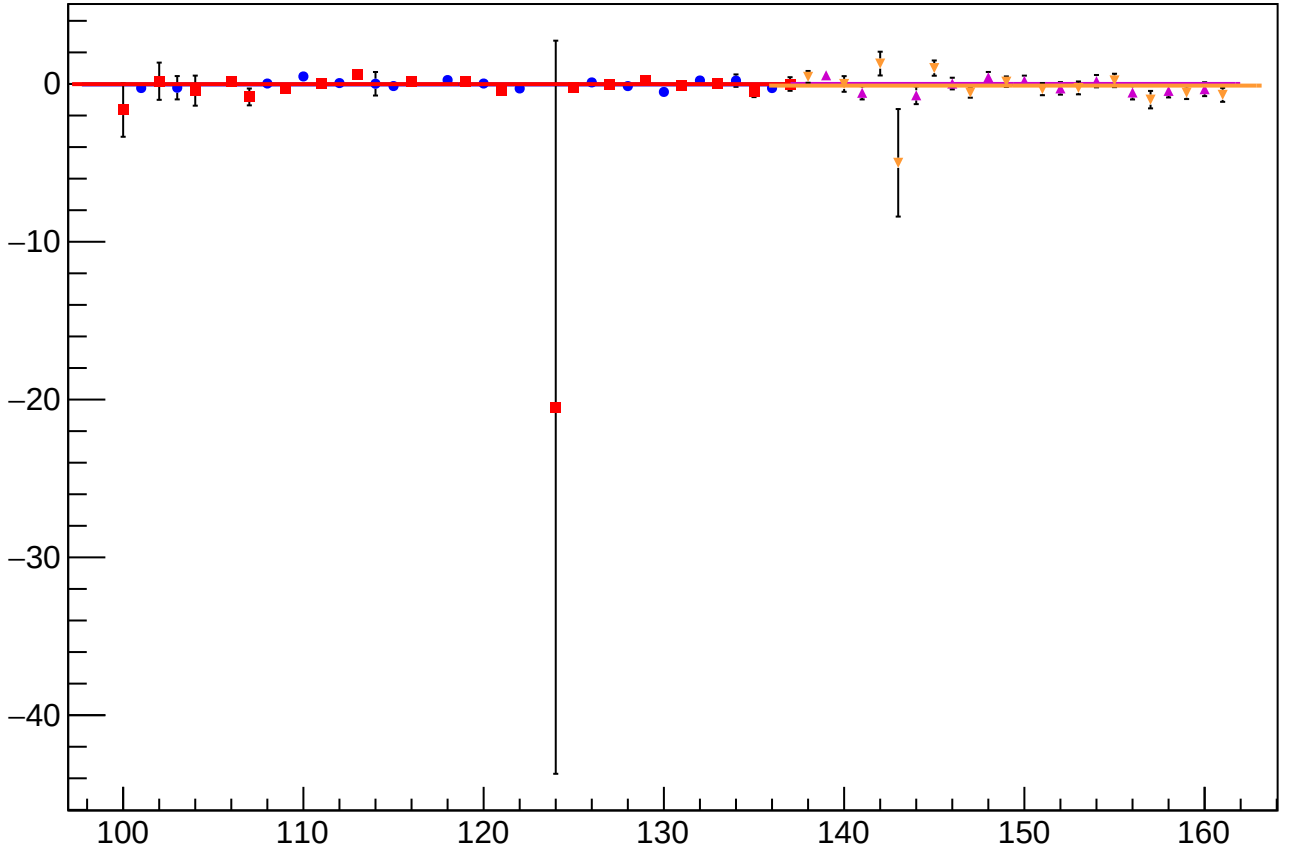
Left In: 0.006+/-0.000 χ^2/NDF:4537751.0/10

+ sign 0.007+/-0.000 χ^2/NDF: 7965396.0/27

All: 0.005+/-0.000 χ^2/NDF: 26324991.0/56

- sign 0.004+/-0.000 χ^2/NDF: 15441892.2/28

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.104+/-0.121 χ^2/NDF:22.0/12

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

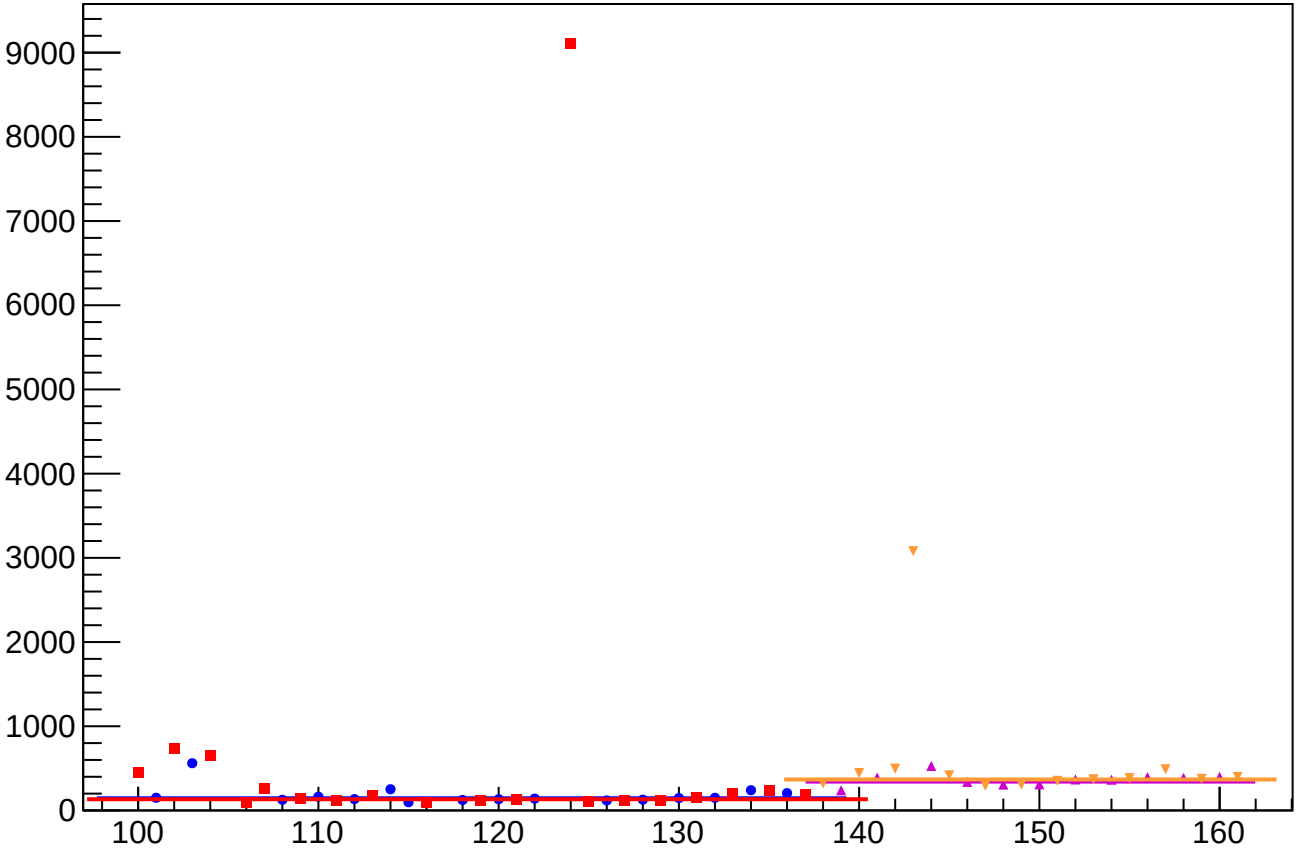
Left In: 0.000+/-0.114 χ^2/NDF:13.2/10

+ sign -0.043+/-0.052 χ^2/NDF: 39.5/28

All: -0.025+/-0.036 χ^2/NDF: 74.8/58

- sign -0.008+/-0.051 χ^2/NDF: 35.1/29

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: 367.652+/-0.086 χ^2/NDF:1701518.1/12

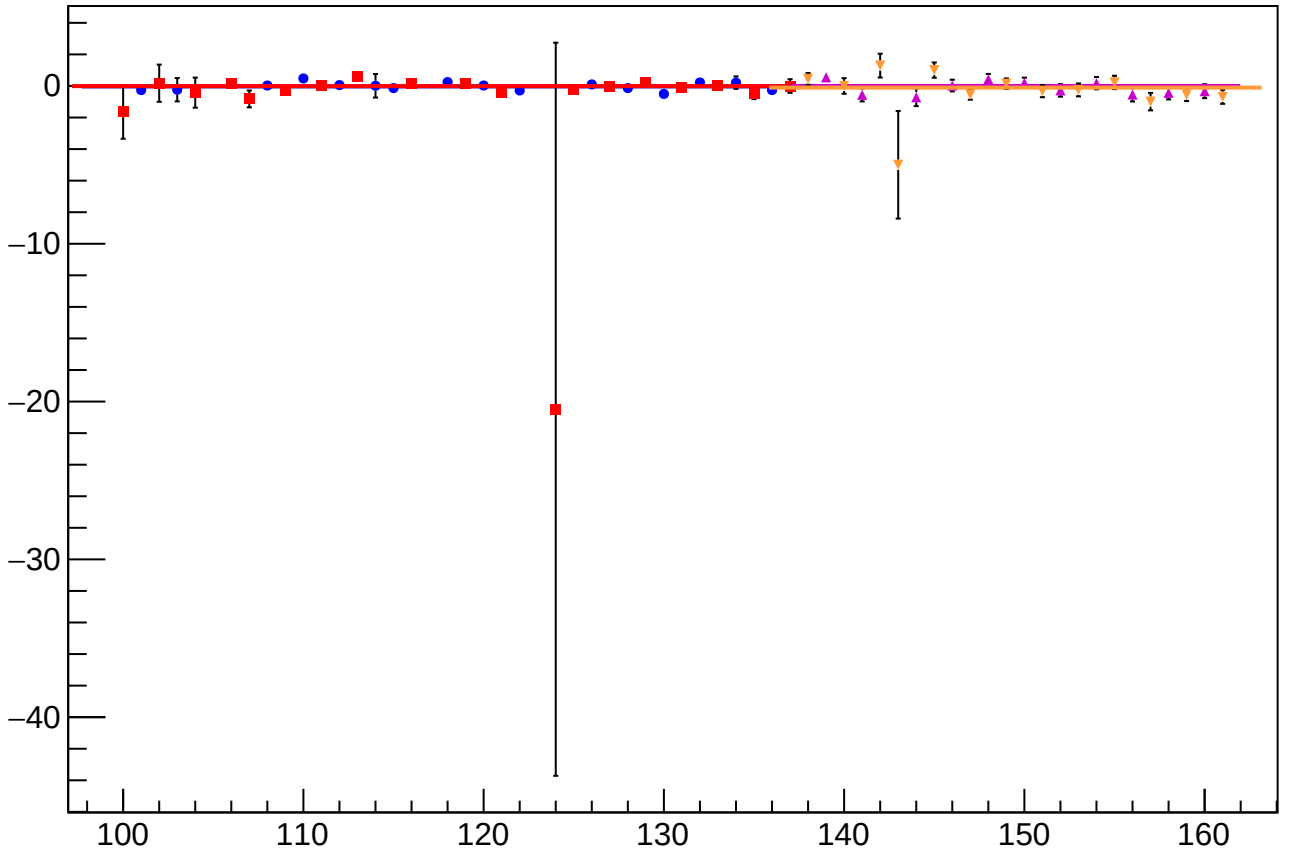
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 342.724+/-0.081 χ^2/NDF:675469.4/10

+ sign 185.838+/-0.037 χ^2/NDF: 8381013.0/28

All: 179.933+/-0.026 χ^2/NDF: 16720141.5/58

- sign 174.365+/-0.036 χ^2/NDF: 8289345.1/29



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.104+/-0.121 χ^2/NDF:22.0/12

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

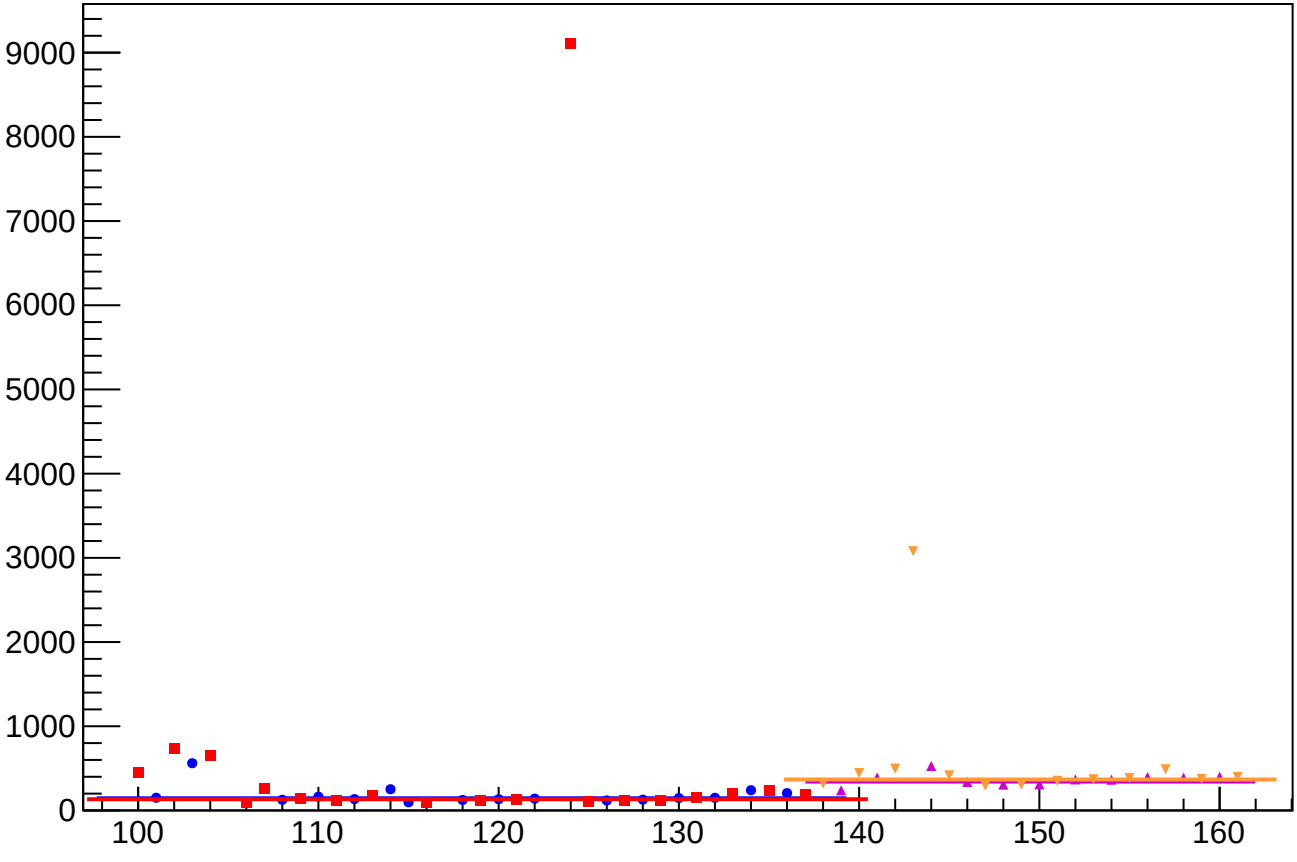
Left In: 0.000+/-0.114 χ^2/NDF:13.2/10

+ sign -0.043+/-0.052 χ^2/NDF: 39.5/28

All: -0.025+/-0.036 χ^2/NDF: 74.8/58

- sign -0.008+/-0.051 χ^2/NDF: 35.1/29

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: 367.652+/-0.086 χ^2/NDF:1701518.1/12

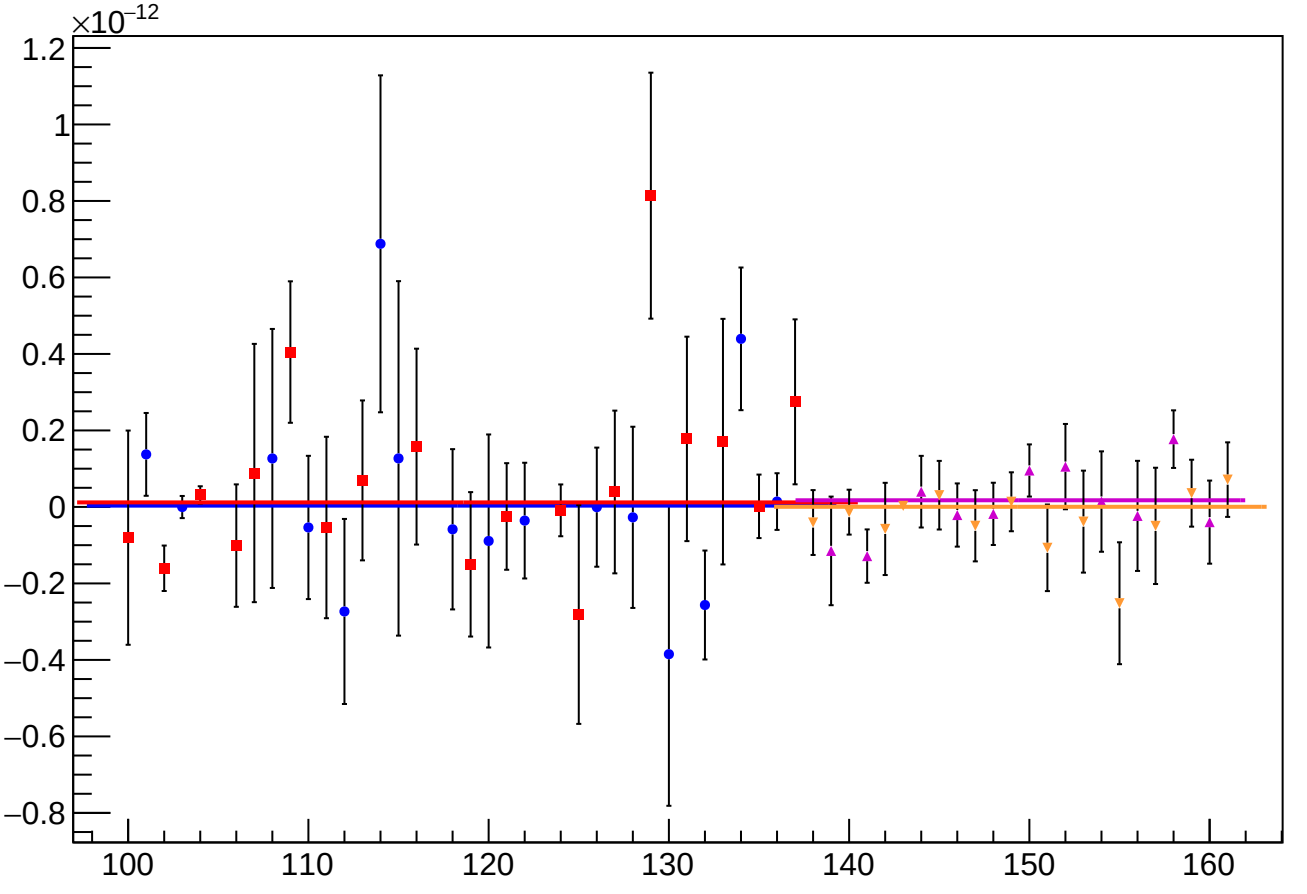
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 342.724+/-0.081 χ^2/NDF:675469.4/10

+ sign 185.838+/-0.037 χ^2/NDF: 8381013.0/28

All: 179.933+/-0.026 χ^2/NDF: 16720141.5/58

- sign 174.365+/-0.036 χ^2/NDF: 8289345.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

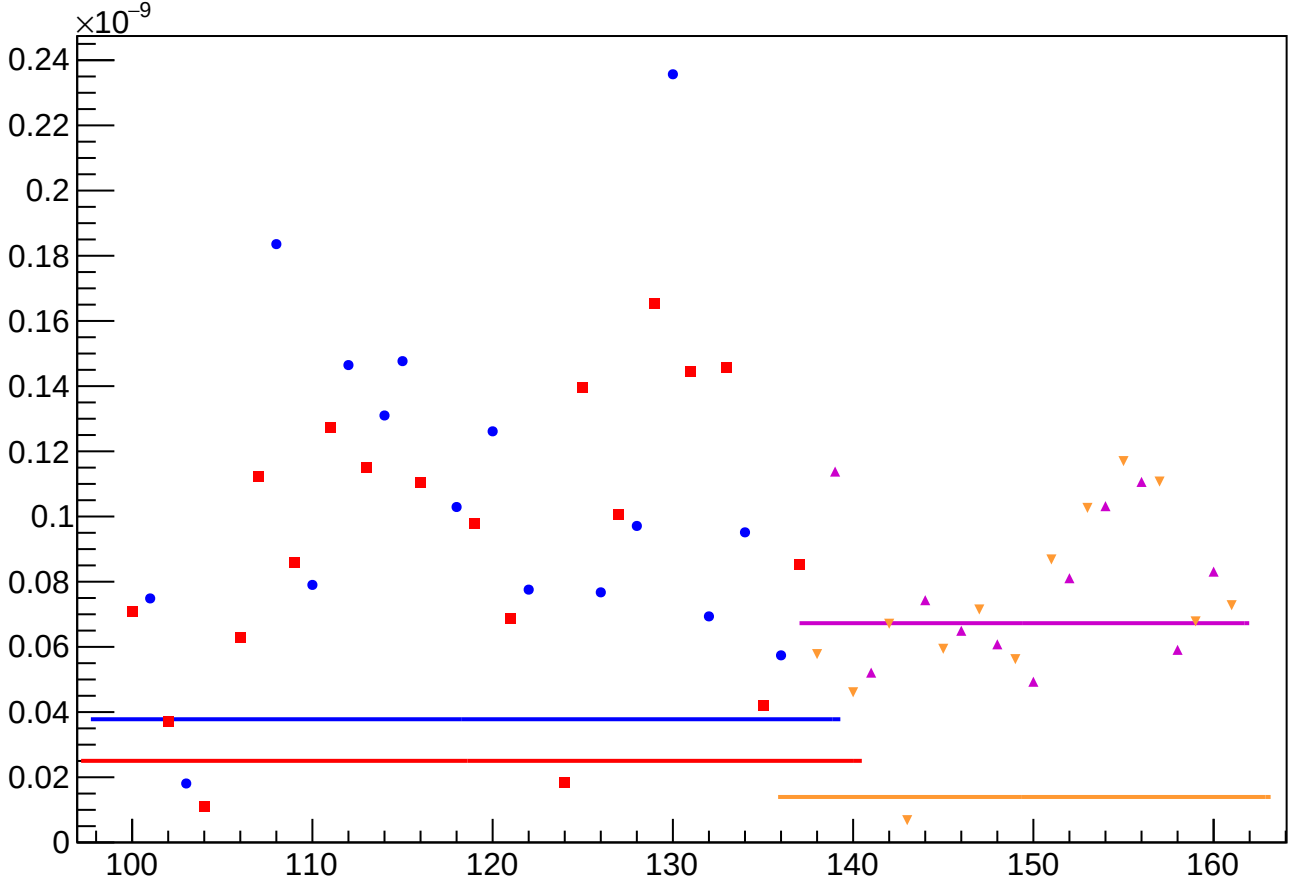
Left In: 0.000+/-0.000 χ^2/NDF:12.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 20.9/28

All: 0.000+/-0.000 χ^2/NDF: 59.1/58

- sign 0.000+/-0.000 χ^2/NDF: 37.6/29

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9255301.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

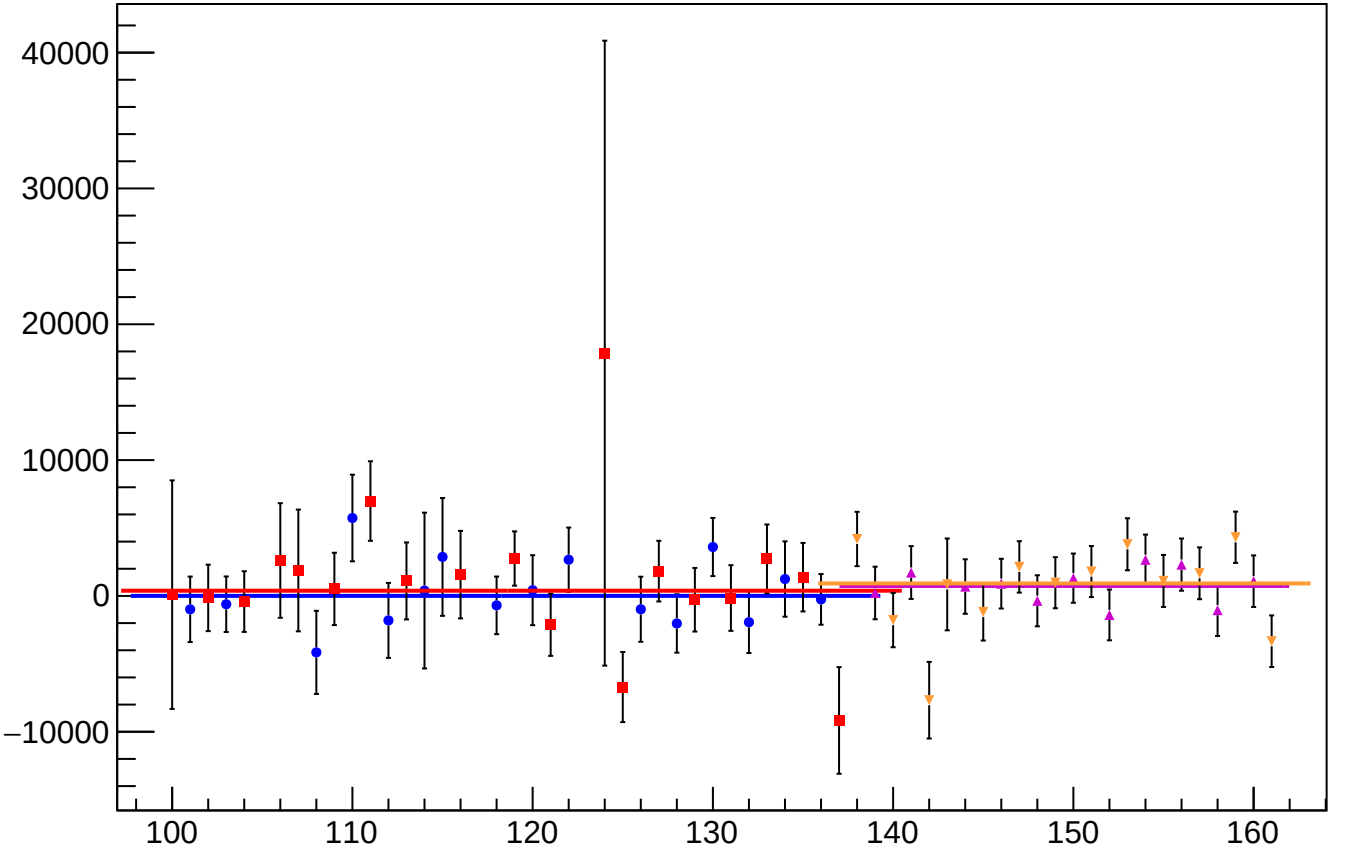
Left In: 0.000+/-0.000 χ^2/NDF:901021.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 14918531.2/28

All: 0.000+/-0.000 χ^2/NDF: 26630721.0/58

- sign 0.000+/-0.000 χ^2/NDF: 8856826.8/29

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 919.659+/-562.563 χ^2/NDF:26.1/12

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

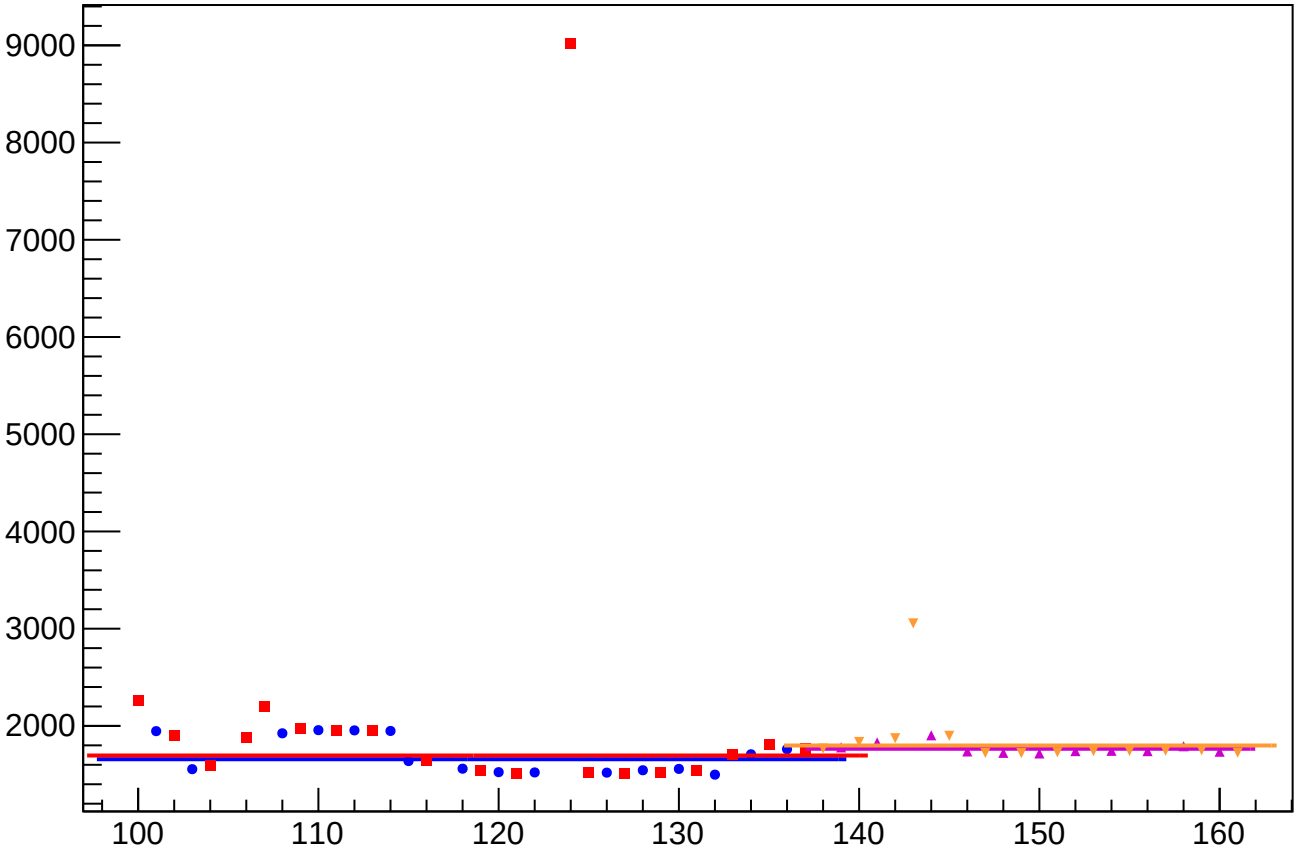
Left In: 737.692+/-571.091 χ^2/NDF:4.7/10

+ sign 506.297+/-416.593 χ^2/NDF: 39.7/28

All: 542.239+/-297.239 χ^2/NDF: 68.7/58

- sign 579.511+/-424.230 χ^2/NDF: 28.9/29

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1798.579+/-0.398 χ^2/NDF:301908.1/12

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

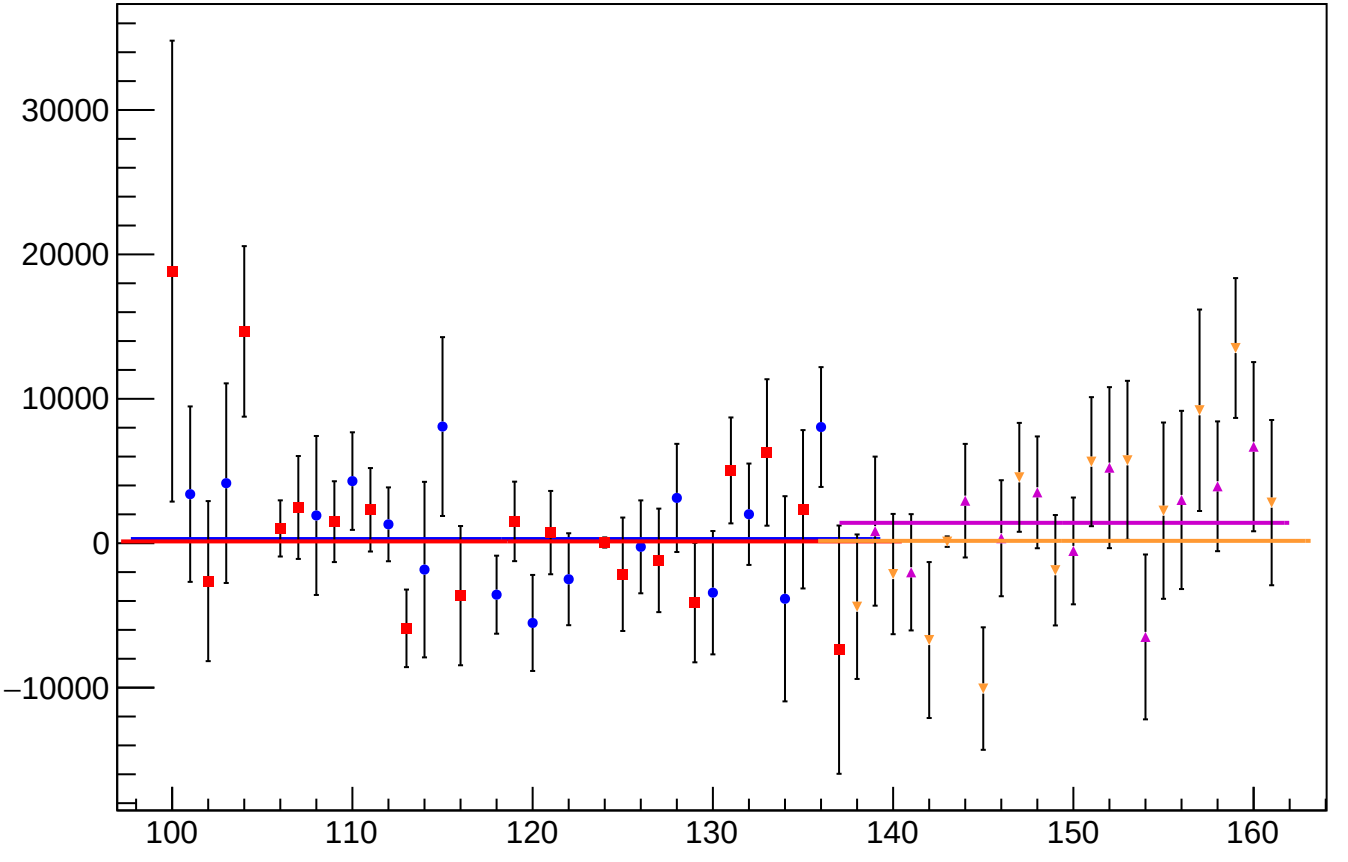
Left In: 1764.897+/-0.404 χ^2/NDF:16529.1/10

+ sign 1734.692+/-0.295 χ^2/NDF: 503002.3/28

All: 1734.206+/-0.210 χ^2/NDF: 918999.5/58

- sign 1733.703+/-0.299 χ^2/NDF: 415991.7/29

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 164.033+/-351.970 χ^2/NDF:22.4/12

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

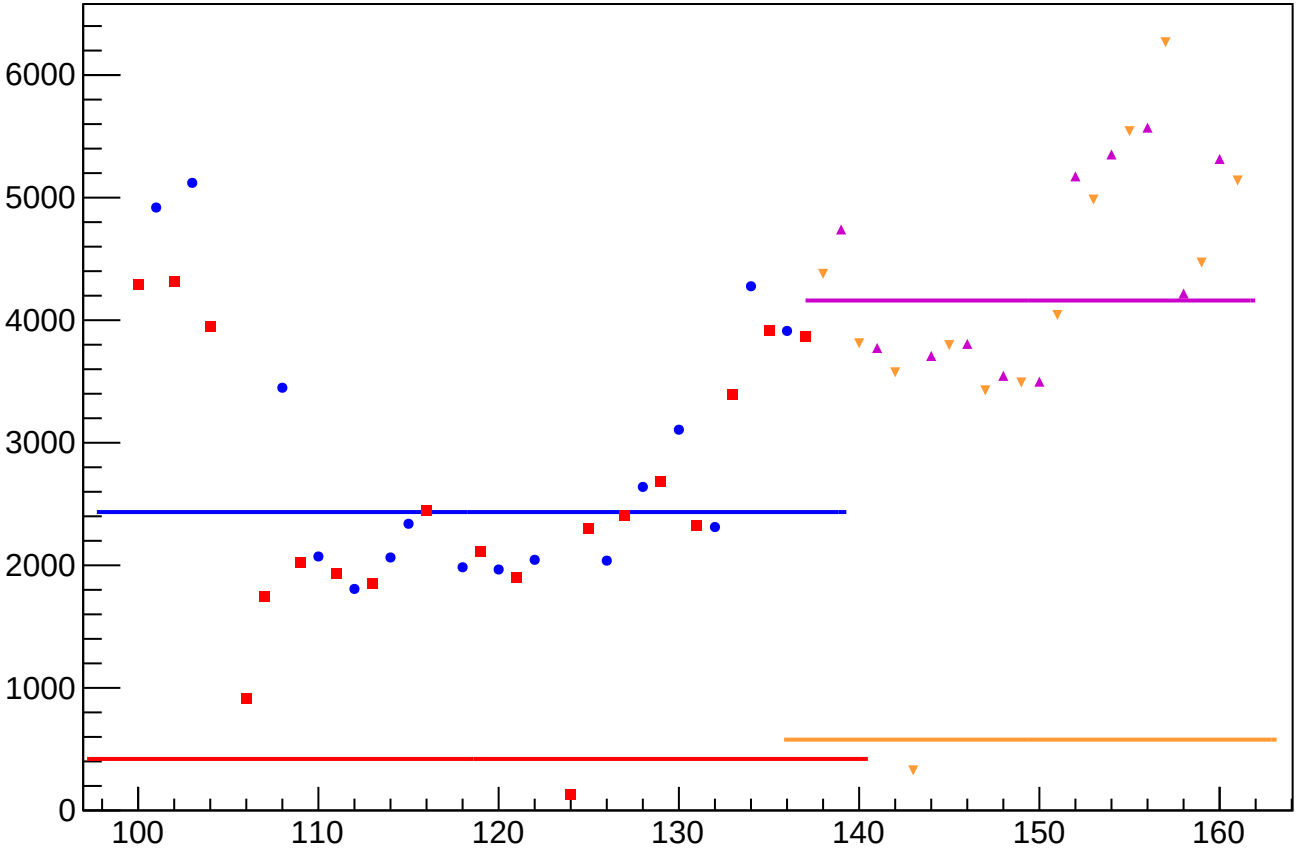
Left In: 1412.181+/-1369.084 χ^2/NDF:5.1/10

+ sign 178.843+/-330.503 χ^2/NDF: 37.6/28

All: 186.631+/-228.033 χ^2/NDF: 64.4/58

- sign 193.707+/-315.028 χ^2/NDF: 26.8/29

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 577.758+/-0.249 χ^2/NDF:15083994.6/12

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

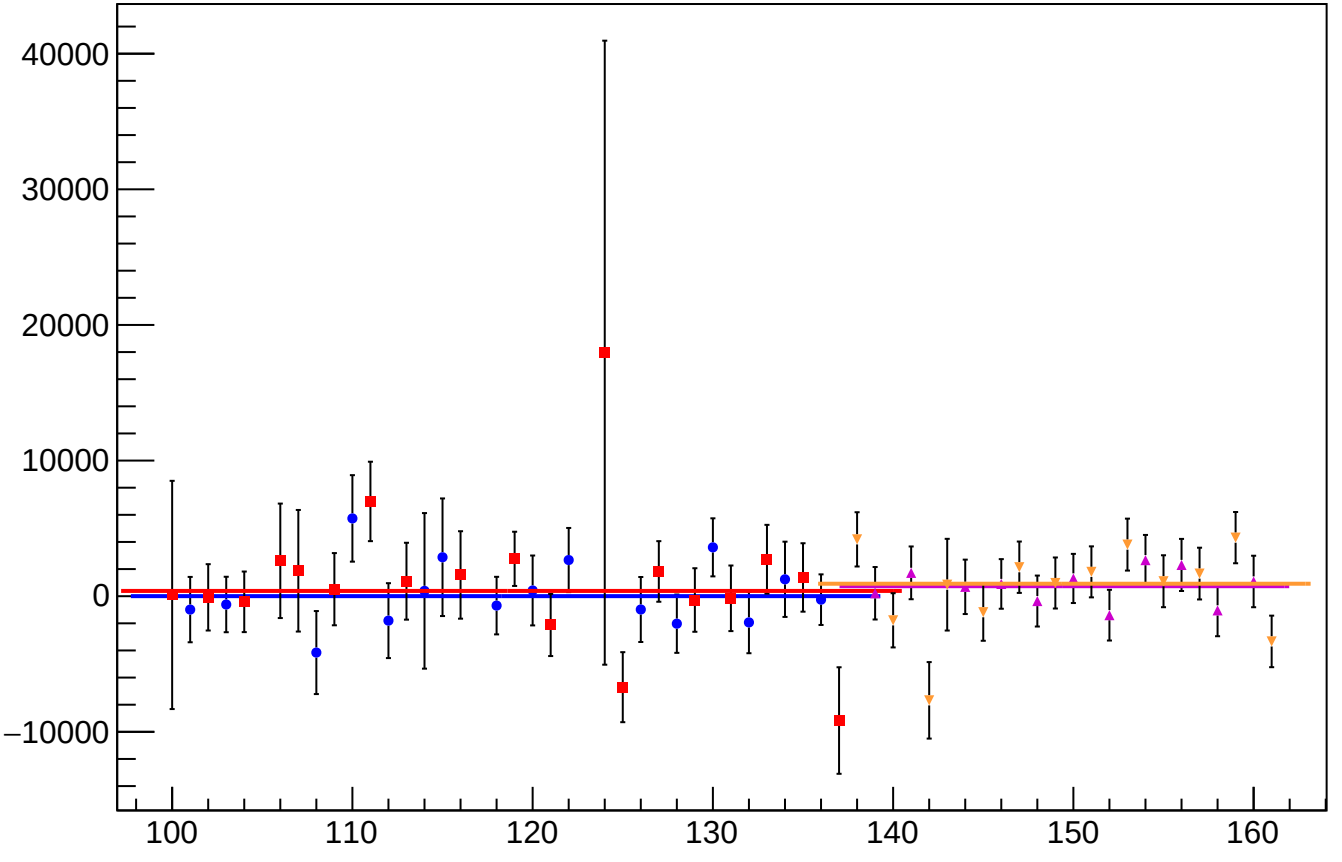
Left In: 4160.761+/-0.968 χ^2/NDF:536001.9/10

+ sign 797.348+/-0.234 χ^2/NDF: 23124451.3/28

All: 703.554+/-0.161 χ^2/NDF: 49170121.5/58

- sign 618.338+/-0.223 χ^2/NDF: 25738250.3/29

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 919.557+/-562.563 χ^2/NDF:26.1/12

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

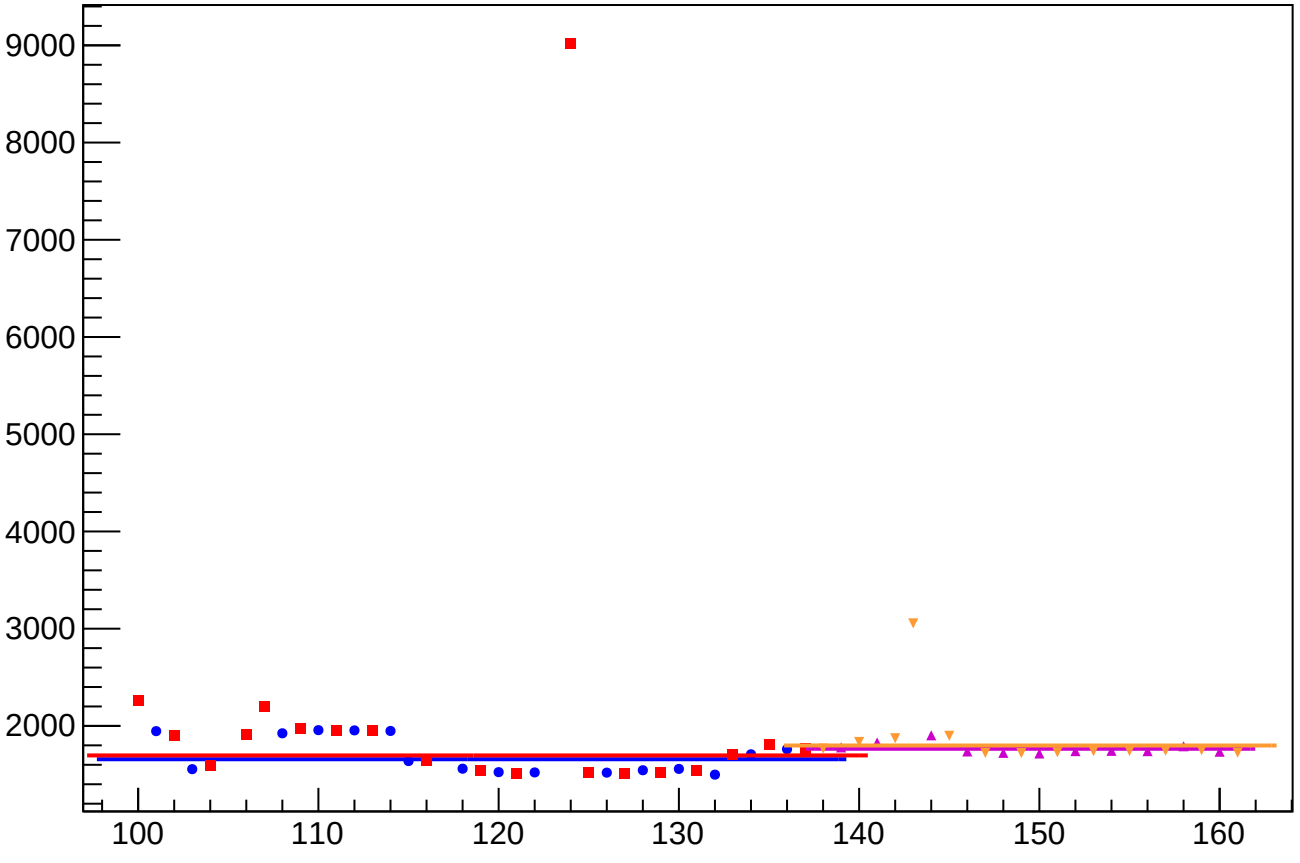
Left In: 737.660+/-571.091 χ^2/NDF:4.7/10

+ sign 506.206+/-416.593 χ^2/NDF: 39.7/28

All: 543.130+/-297.240 χ^2/NDF: 68.7/58

- sign 581.421+/-424.232 χ^2/NDF: 28.9/29

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1798.579+/-0.398 χ^2/NDF:301908.1/12

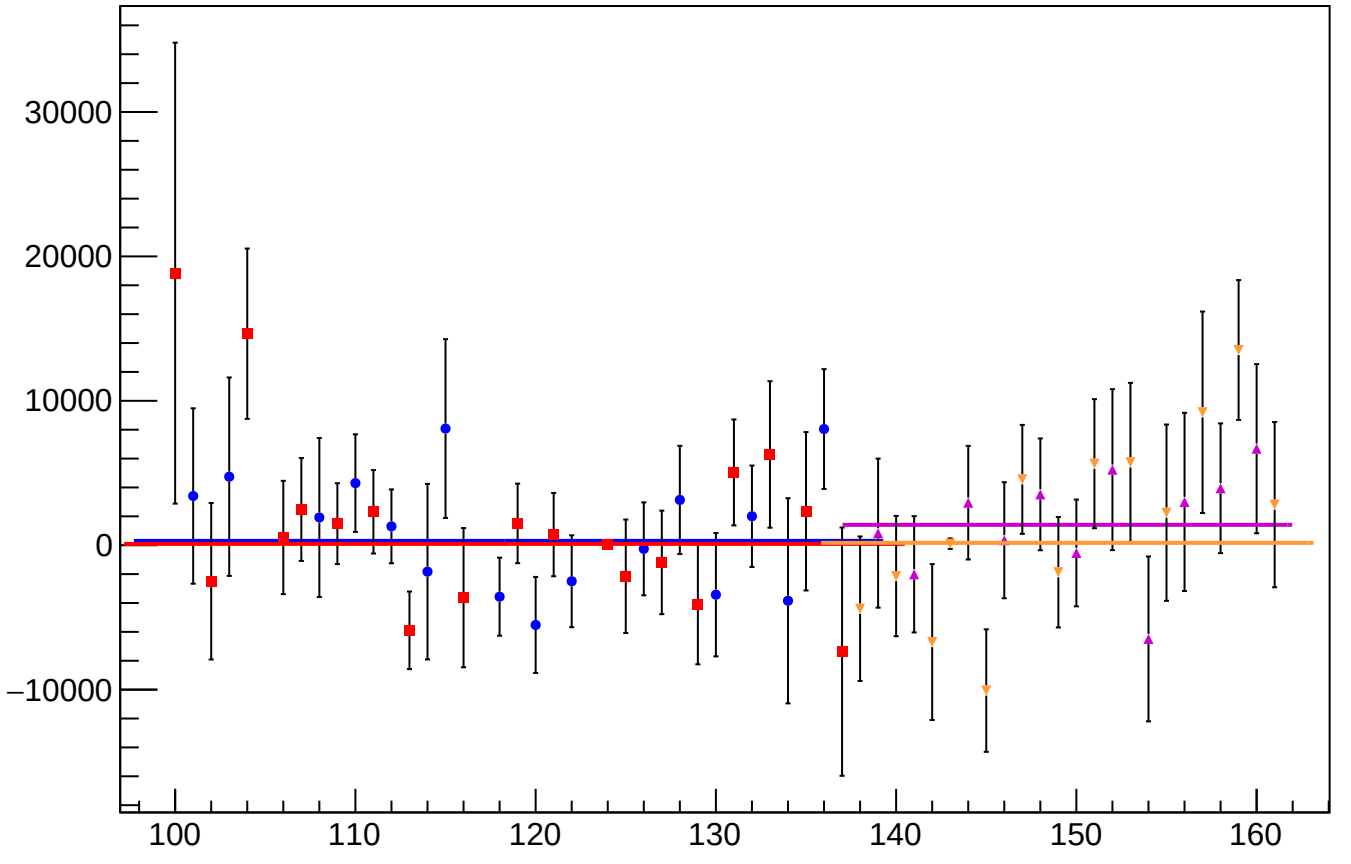
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1764.897+/-0.404 χ^2/NDF:16529.1/10

+ sign 1734.692+/-0.295 χ^2/NDF: 503002.4/28

All: 1734.389+/-0.210 χ^2/NDF: 920445.9/58

- sign 1734.076+/-0.299 χ^2/NDF: 417441.3/29



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 164.466+/-351.944 χ^2/NDF:22.4/12

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

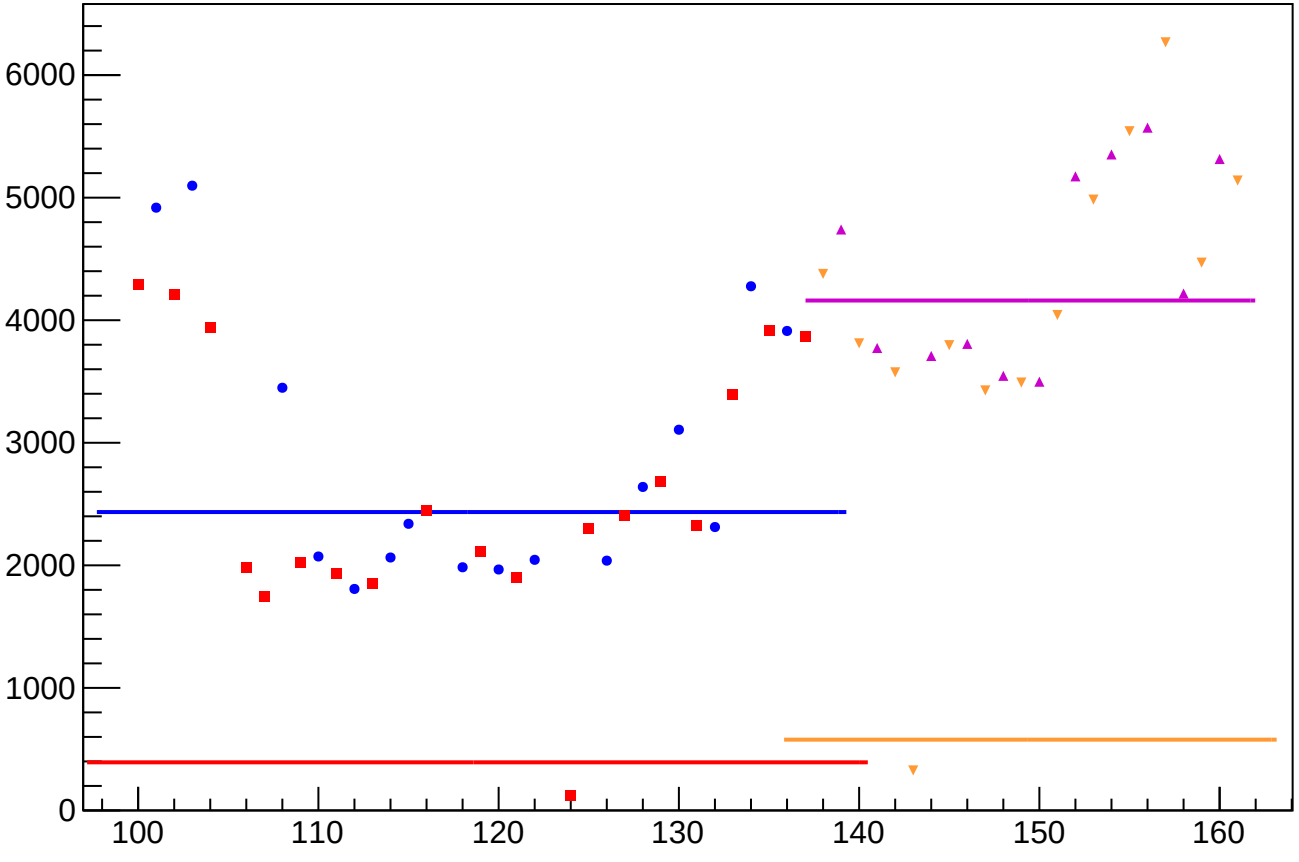
Left In: 1412.219+/-1369.082 χ^2/NDF:5.1/10

+ sign 180.714+/-330.477 χ^2/NDF: 37.7/28

All: 169.033+/-225.191 χ^2/NDF: 64.4/58

- sign 158.909+/-307.680 χ^2/NDF: 26.6/29

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 577.694+/-0.249 χ^2/NDF:15084351.5/12

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

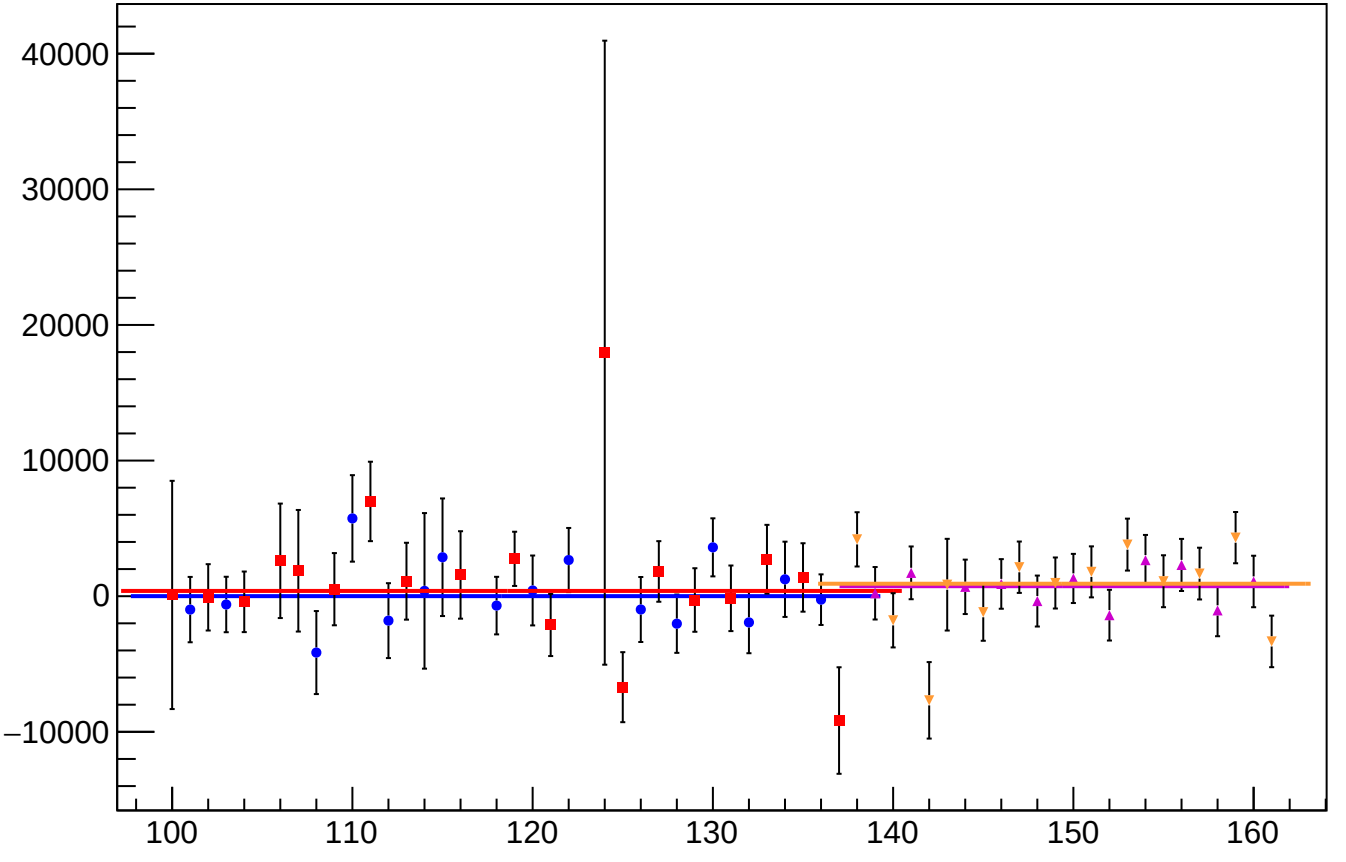
Left In: 4160.758+/-0.968 χ^2/NDF:535995.2/10

+ sign 797.330+/-0.234 χ^2/NDF: 23126286.1/28

All: 682.505+/-0.159 χ^2/NDF: 49905898.1/58

- sign 582.975+/-0.218 χ^2/NDF: 26328880.7/29

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 919.557+/-562.563 χ^2/NDF:26.1/12

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

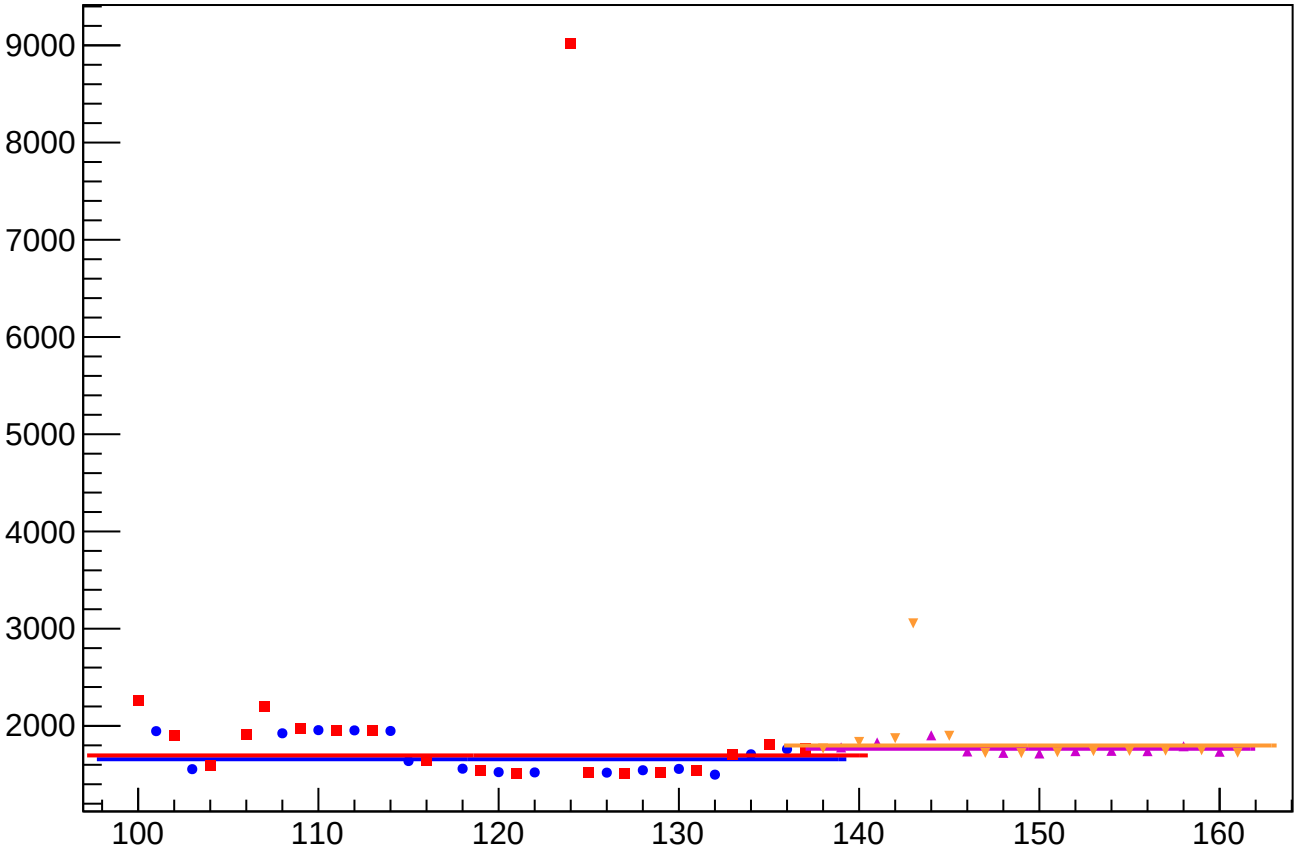
Left In: 737.660+/-571.091 χ^2/NDF:4.7/10

+ sign 506.206+/-416.593 χ^2/NDF: 39.7/28

All: 543.130+/-297.240 χ^2/NDF: 68.7/58

- sign 581.421+/-424.232 χ^2/NDF: 28.9/29

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1798.579+/-0.398 χ^2/NDF:301908.1/12

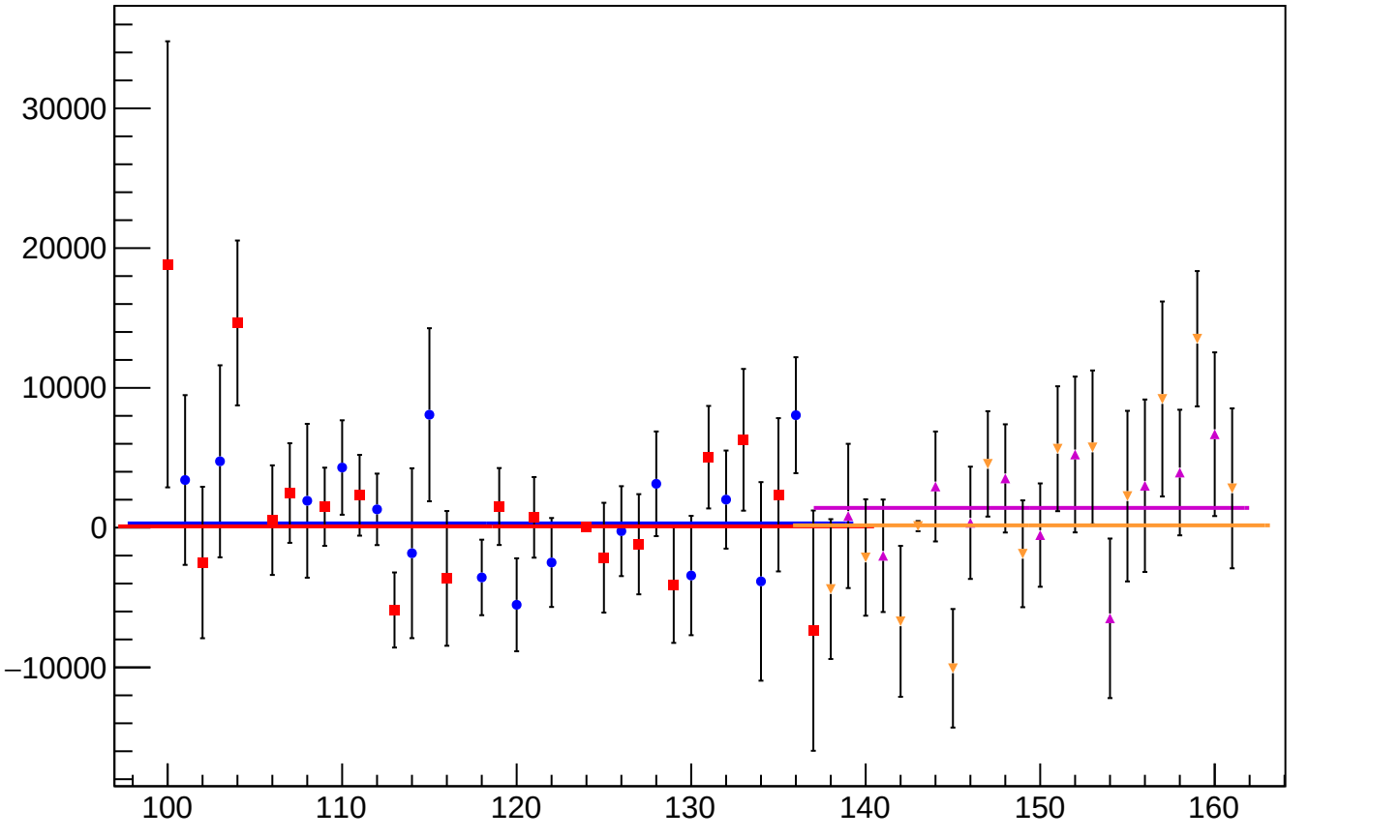
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1764.897+/-0.404 χ^2/NDF:16529.1/10

+ sign 1734.692+/-0.295 χ^2/NDF: 503002.4/28

All: 1734.389+/-0.210 χ^2/NDF: 920445.9/58

- sign 1734.076+/-0.299 χ^2/NDF: 417441.3/29



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 164.466+/-351.944 χ^2/NDF:22.4/12

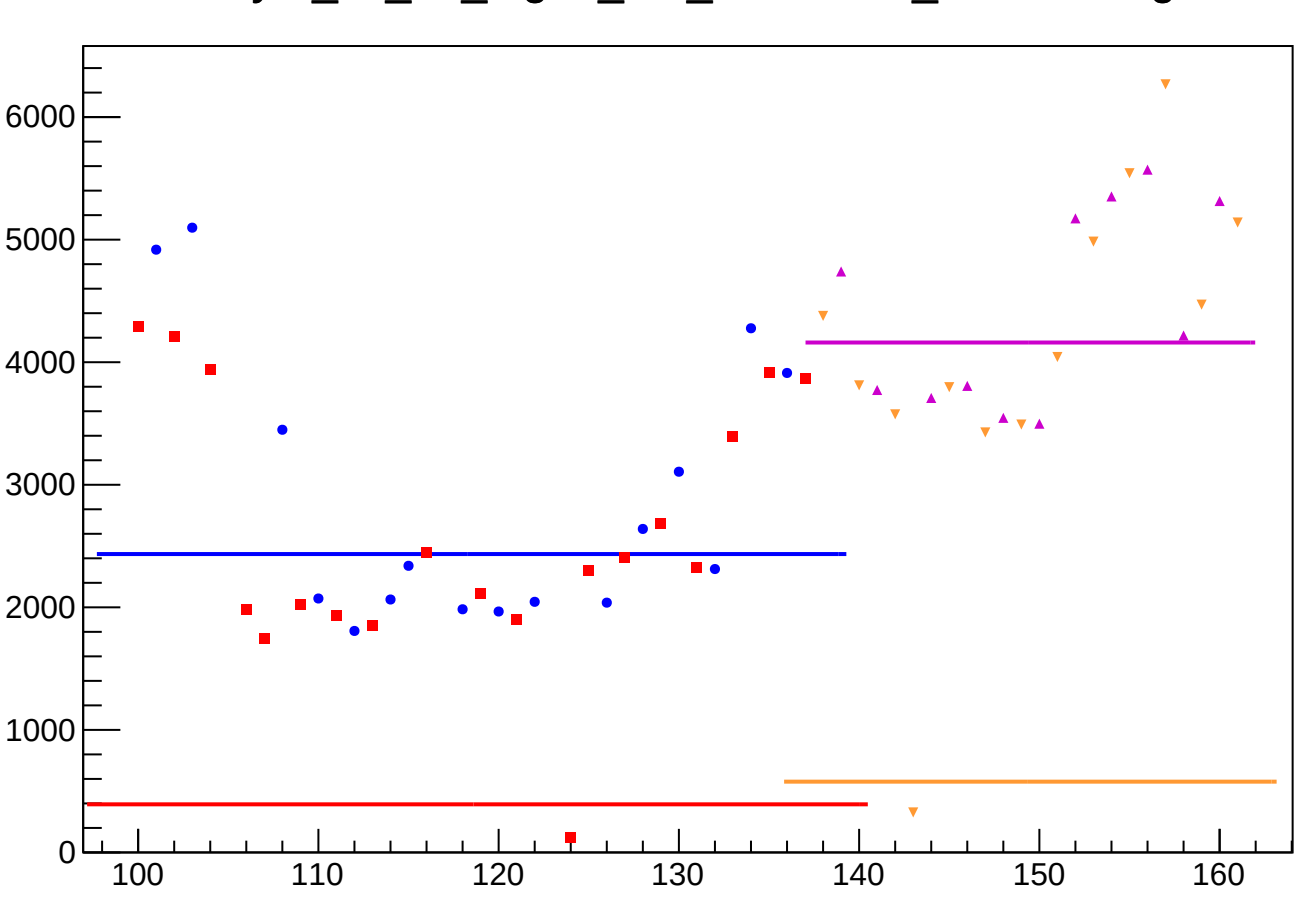
Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: 1412.219+/-1369.082 χ^2/NDF:5.1/10

\+ sign 180.714+/-330.477 χ^2/NDF: 37.7/28

All: 169.033+/-225.191 χ^2/NDF: 64.4/58

\- sign 158.909+/-307.680 χ^2/NDF: 26.6/29



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 577.694+/-0.249 χ^2/NDF:15084351.5/12

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

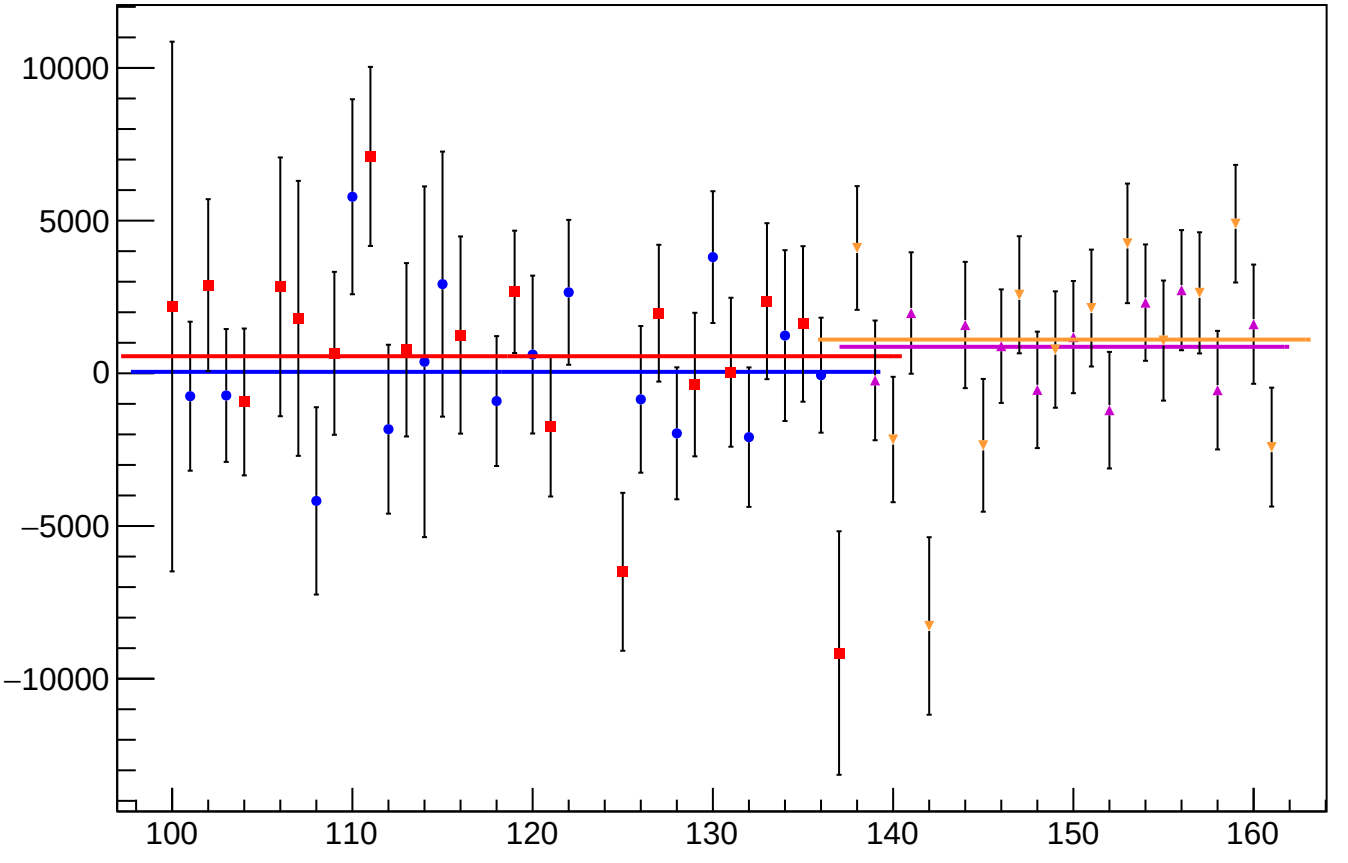
Left In: 4160.758+/-0.968 χ^2/NDF:535995.2/10

\+ sign 797.330+/-0.234 χ^2/NDF: 23126286.1/28

All: 682.505+/-0.159 χ^2/NDF: 49905898.1/58

\- sign 582.975+/-0.218 χ^2/NDF: 26328880.7/29

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1105.010+/-583.355 χ^2/NDF:28.9/11

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

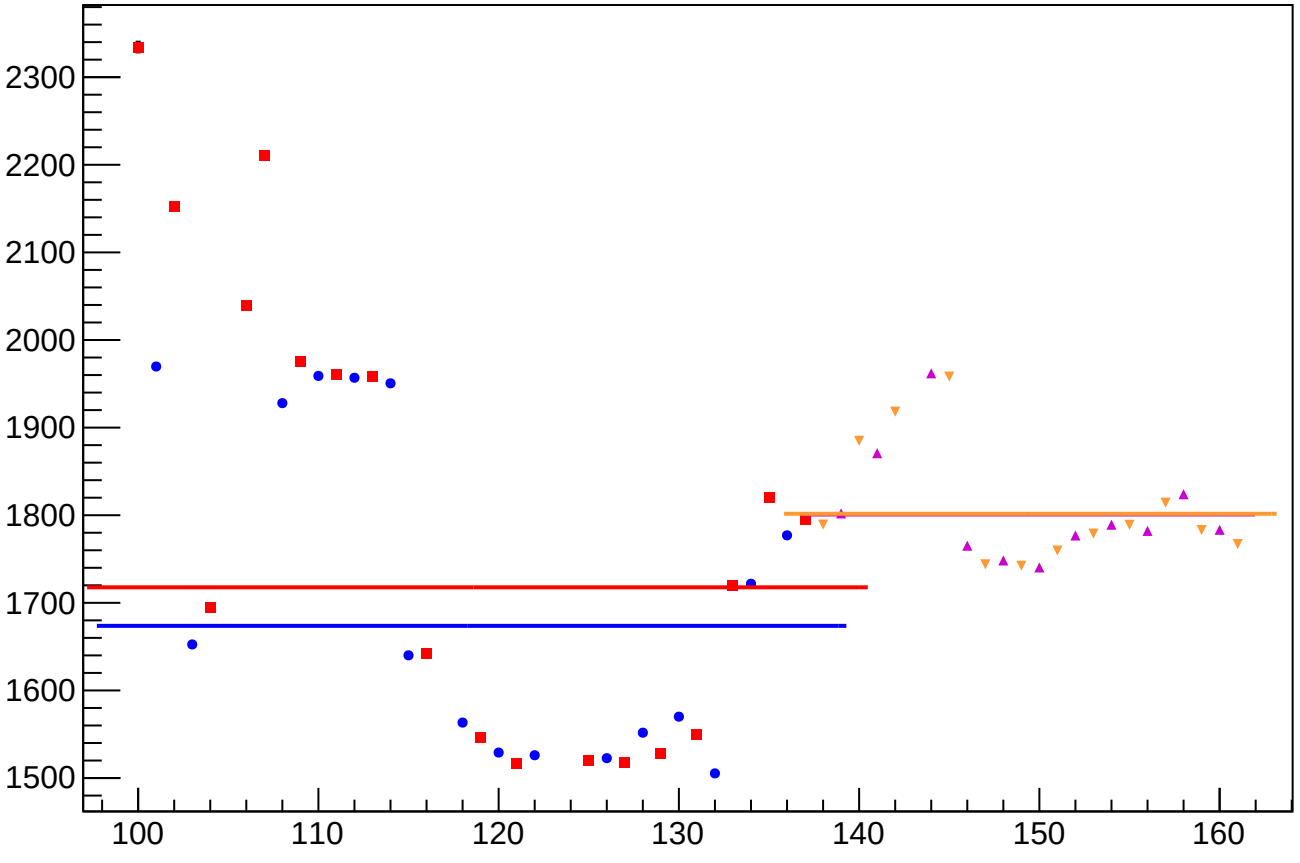
Left In: 868.224+/-582.805 χ^2/NDF:4.6/10

\+ sign 614.013+/-426.822 χ^2/NDF: 43.3/27

All: 671.028+/-303.801 χ^2/NDF: 71.4/56

\- sign 729.574+/-432.514 χ^2/NDF: 28.0/28

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1801.678+/-0.412 χ^2/NDF:22913.0/11

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

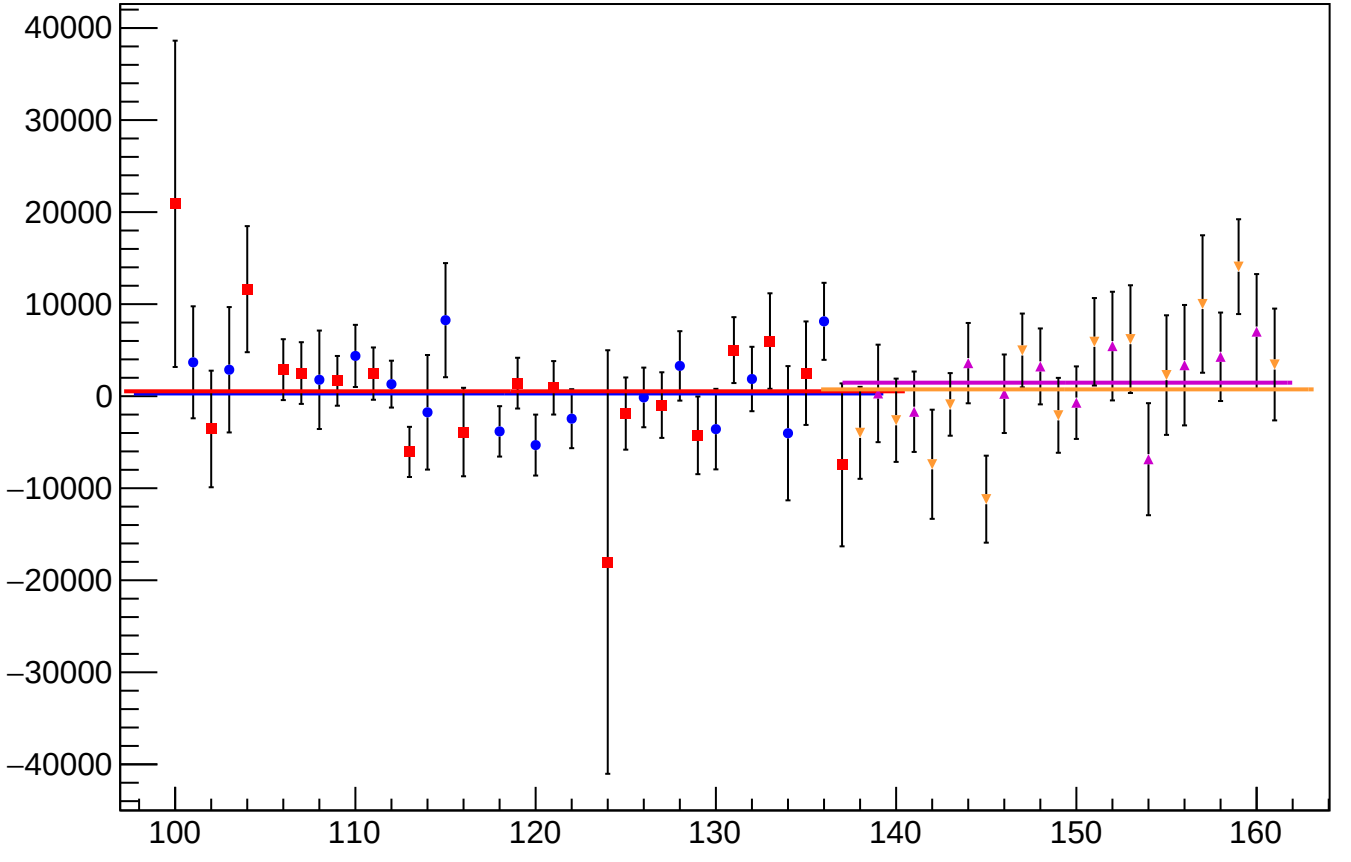
Left In: 1800.855+/-0.412 χ^2/NDF:20047.7/10

+ sign 1742.225+/-0.302 χ^2/NDF: 208493.2/27

All: 1752.687+/-0.215 χ^2/NDF: 476948.4/56

- sign 1763.408+/-0.306 χ^2/NDF: 266022.0/28

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 739.539+/-1347.219 χ^2/NDF:22.1/12

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

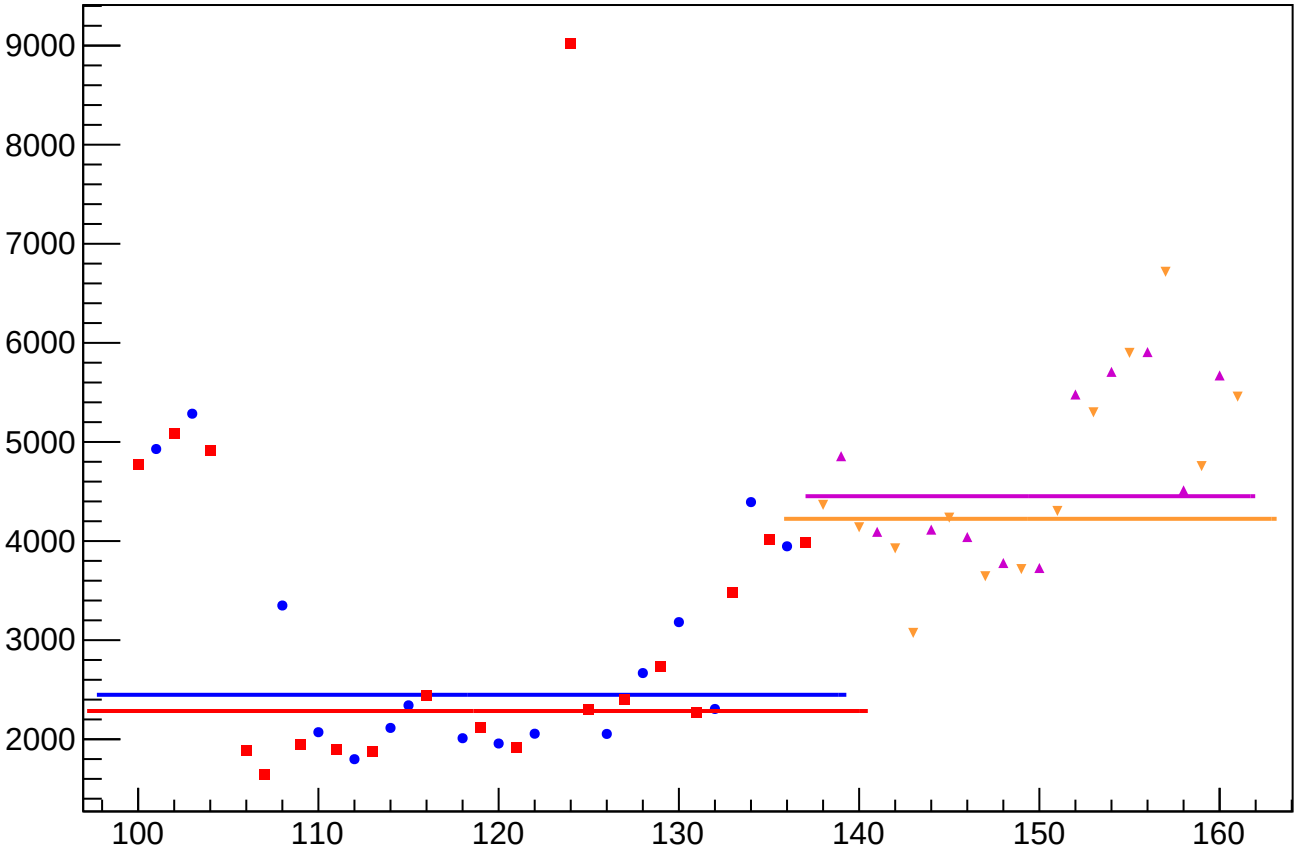
Left In: 1468.030+/-1463.936 χ^2/NDF:4.9/10

+ sign 446.676+/-784.335 χ^2/NDF: 37.4/28

All: 620.020+/-544.581 χ^2/NDF: 61.5/58

- sign 781.370+/-756.715 χ^2/NDF: 24.0/29

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4224.468+/-0.953 χ^2/NDF:836675.8/12

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

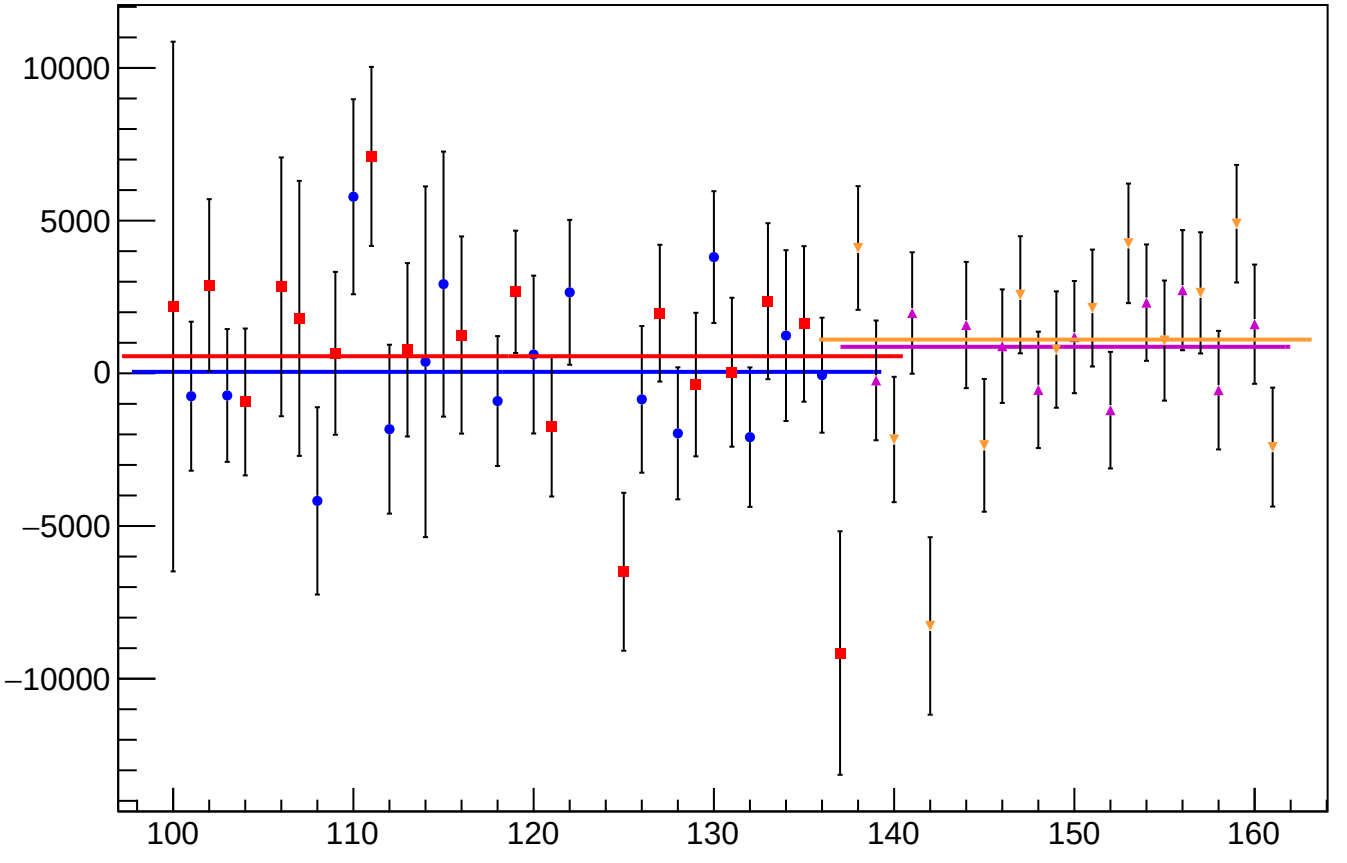
Left In: 4452.757+/-1.035 χ^2/NDF:497392.4/10

+ sign 3050.517+/-0.555 χ^2/NDF: 4651547.4/28

All: 2954.051+/-0.385 χ^2/NDF: 9969598.8/58

- sign 2864.259+/-0.535 χ^2/NDF: 5259637.3/29

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1105.012+/-583.355 χ^2/NDF:28.9/11

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

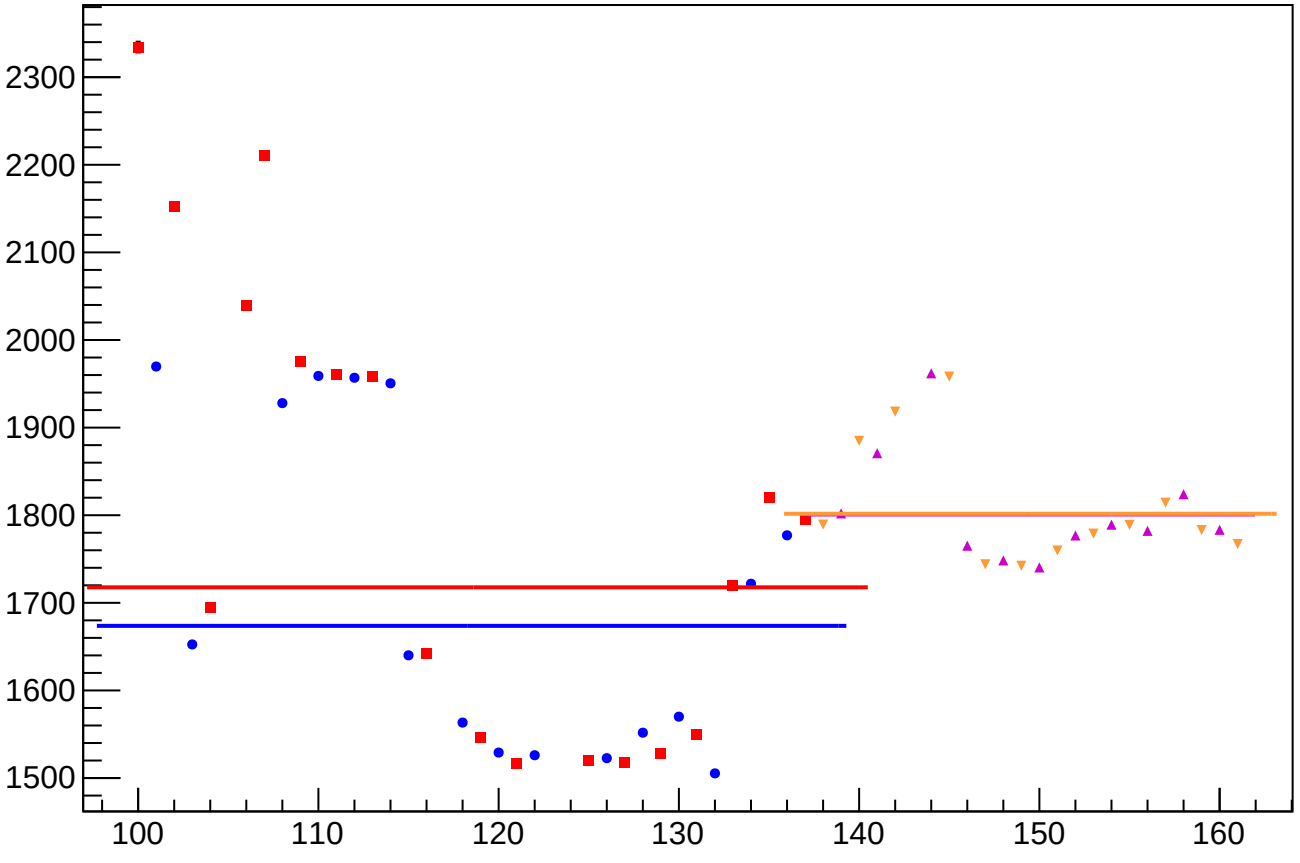
Left In: 868.225+/-582.805 χ^2/NDF:4.6/10

\+ sign 614.012+/-426.822 χ^2/NDF: 43.3/27

All: 671.028+/-303.801 χ^2/NDF: 71.4/56

\- sign 729.575+/-432.514 χ^2/NDF: 28.0/28

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1801.679+/-0.412 χ^2/NDF:22913.5/11

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

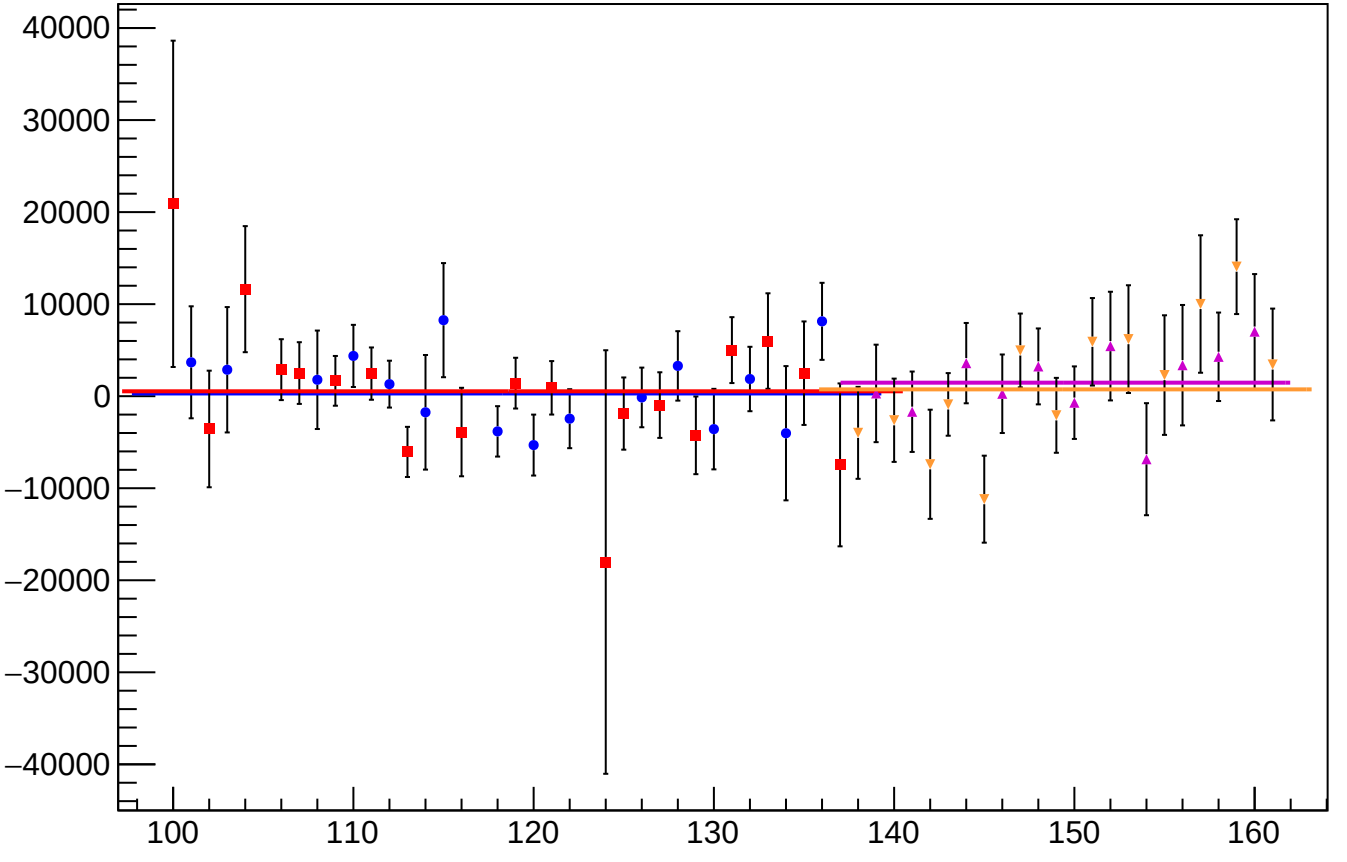
Left In: 1800.856+/-0.412 χ^2/NDF:20047.9/10

+ sign 1742.225+/-0.302 χ^2/NDF: 208494.5/27

All: 1752.688+/-0.215 χ^2/NDF: 476949.7/56

- sign 1763.409+/-0.306 χ^2/NDF: 266022.0/28

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 739.543+/-1347.221 χ^2/NDF:22.1/12

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

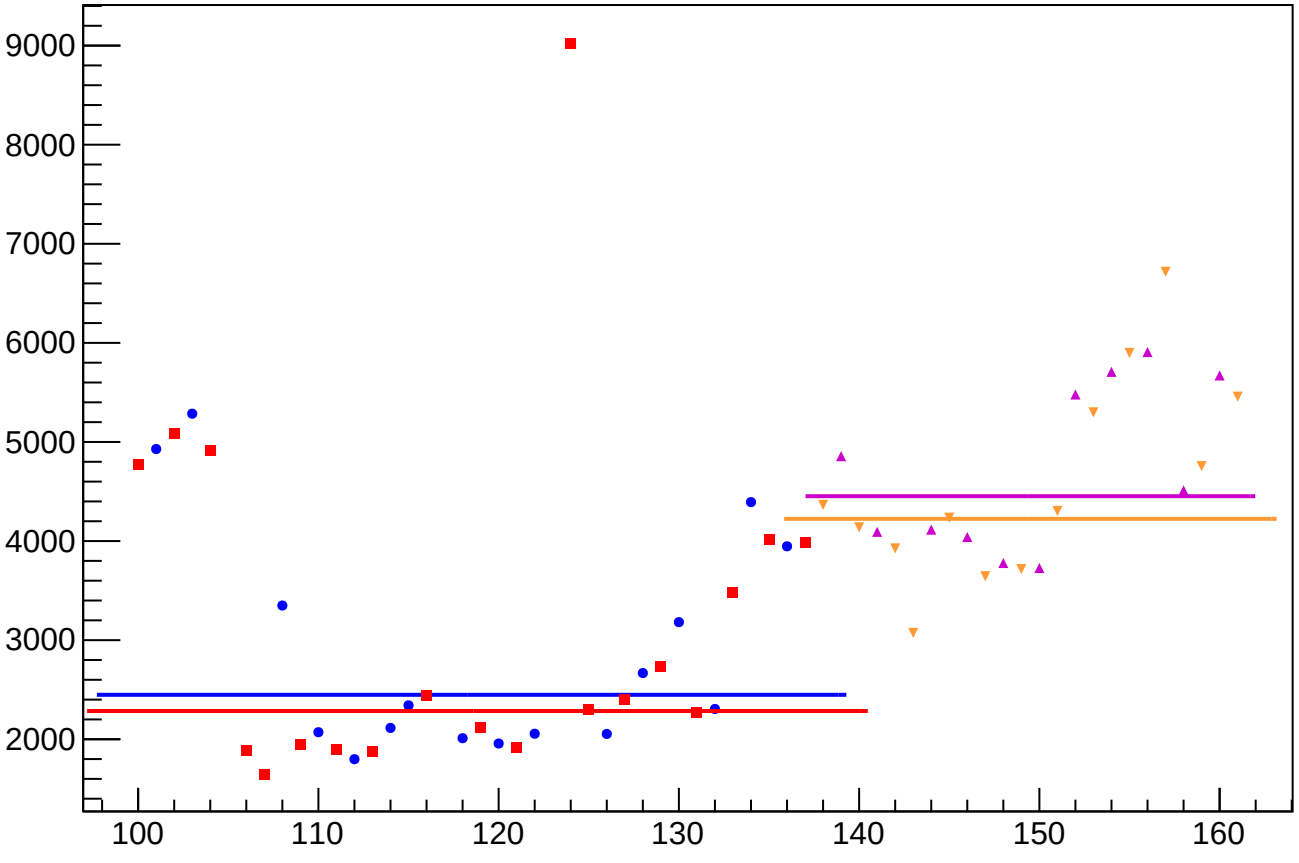
Left In: 1468.031+/-1463.938 χ^2/NDF:4.9/10

+ sign 446.673+/-784.333 χ^2/NDF: 37.4/28

All: 620.018+/-544.580 χ^2/NDF: 61.5/58

- sign 781.370+/-756.714 χ^2/NDF: 24.0/29

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4224.473+/-0.953 χ^2/NDF:836679.5/12

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

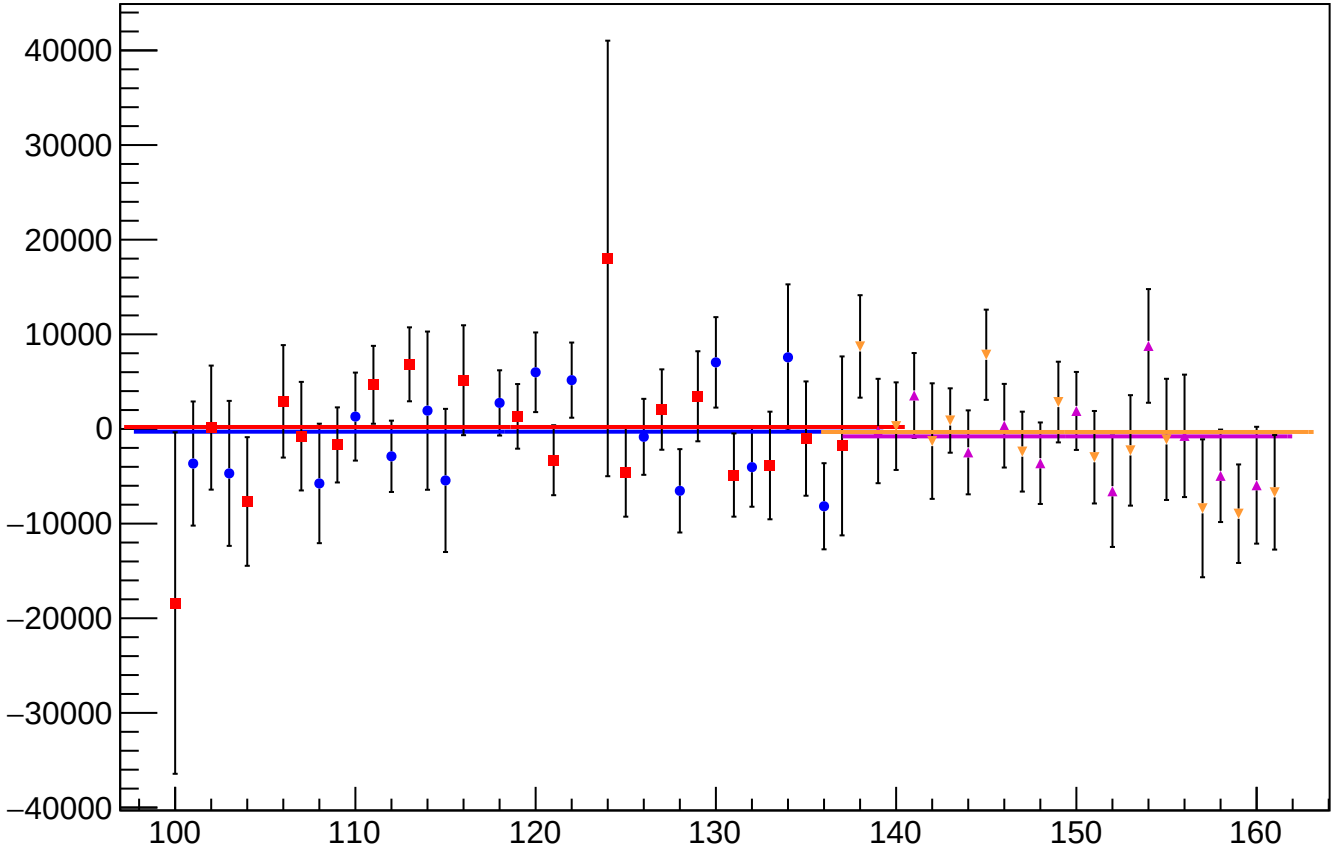
Left In: 4452.762+/-1.035 χ^2/NDF:497394.9/10

+ sign 3050.507+/-0.555 χ^2/NDF: 4651605.8/28

All: 2954.041+/-0.385 χ^2/NDF: 9969709.1/58

- sign 2864.250+/-0.535 χ^2/NDF: 5259689.3/29

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -318.236+/-1376.374 χ^2/NDF:12.2/12

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

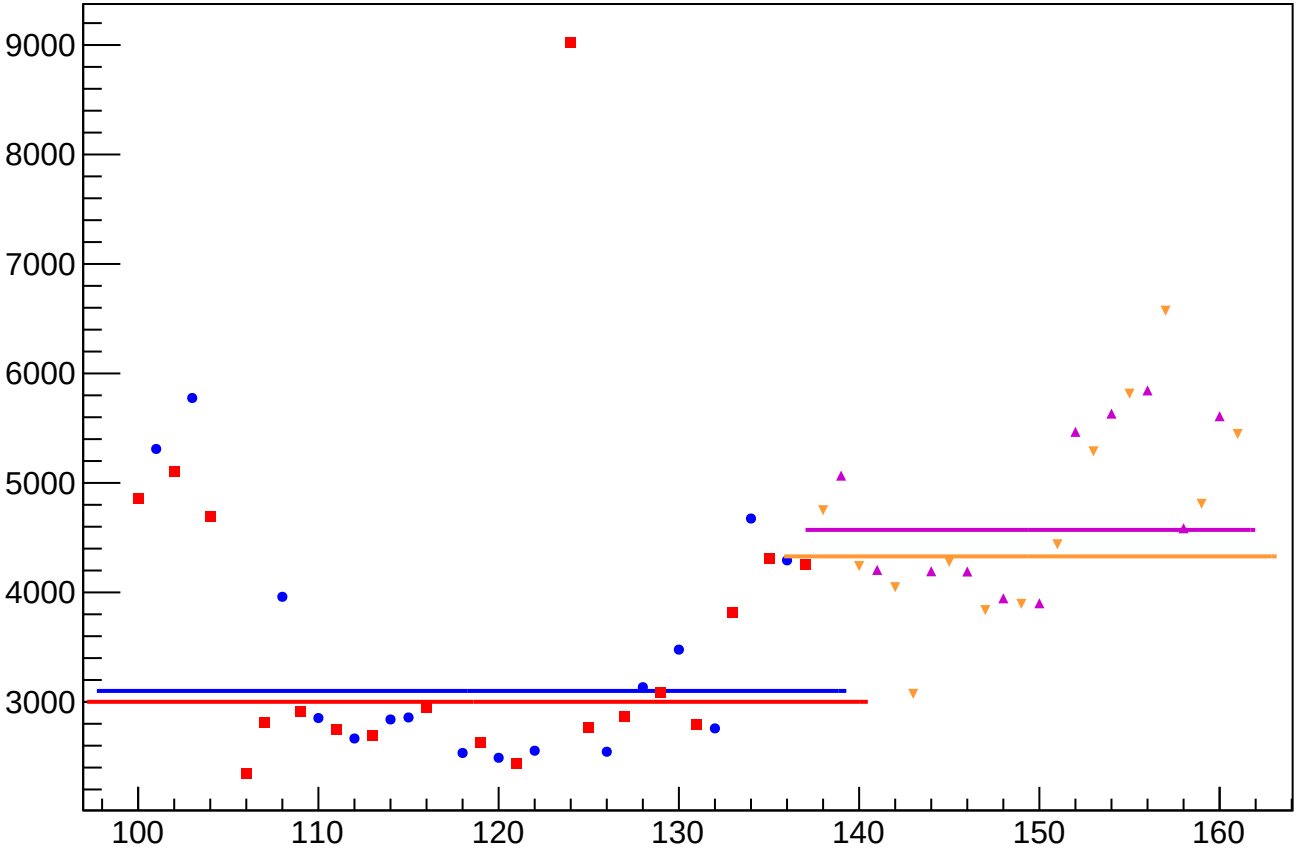
Left In: -782.200+/-1497.188 χ^2/NDF:6.9/10

+ sign -300.612+/-903.359 χ^2/NDF: 28.8/28

All: -231.123+/-642.457 χ^2/NDF: 48.8/58

- sign -160.007+/-913.876 χ^2/NDF: 20.1/29

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4329.110+/-0.973 χ^2/NDF:775503.2/12

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

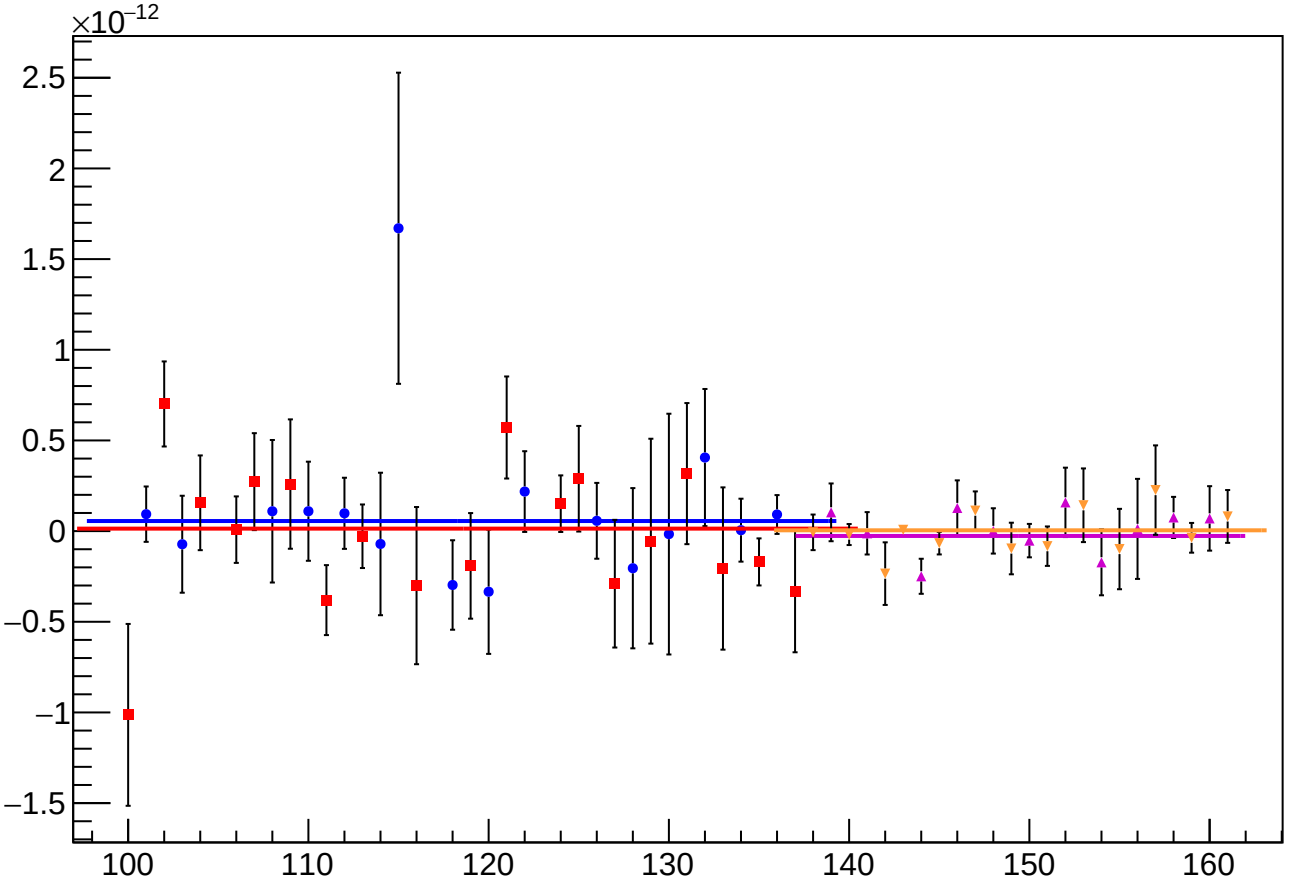
Left In: 4570.945+/-1.059 χ^2/NDF:396724.5/10

+ sign 3629.542+/-0.639 χ^2/NDF: 2646848.1/28

All: 3602.769+/-0.452 χ^2/NDF: 5247824.8/58

- sign 3575.834+/-0.641 χ^2/NDF: 2597452.5/29

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/12

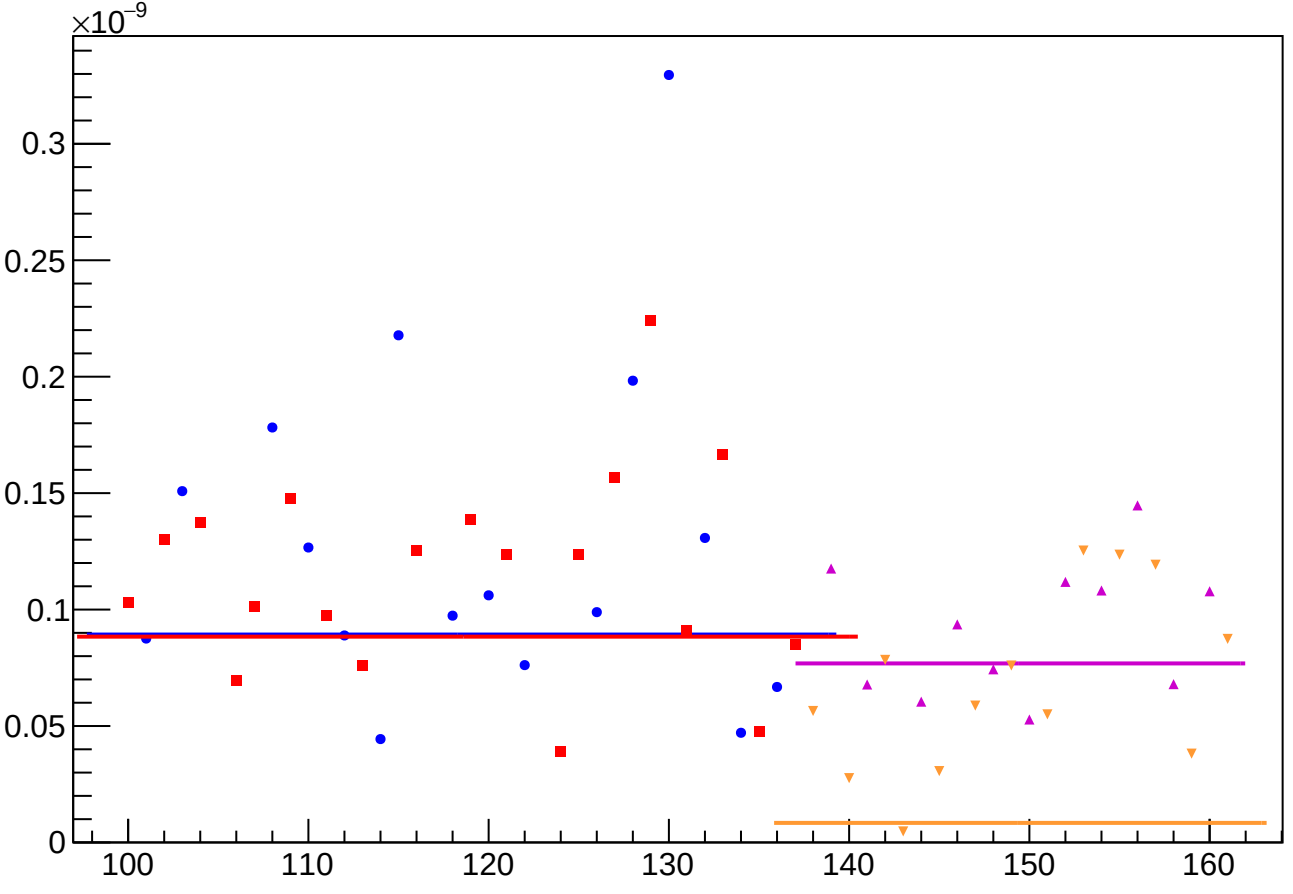
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 17.8/28

All: 0.000+/-0.000 χ^2/NDF: 58.4/58

- sign -0.000+/-0.000 χ^2/NDF: 40.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5347619.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

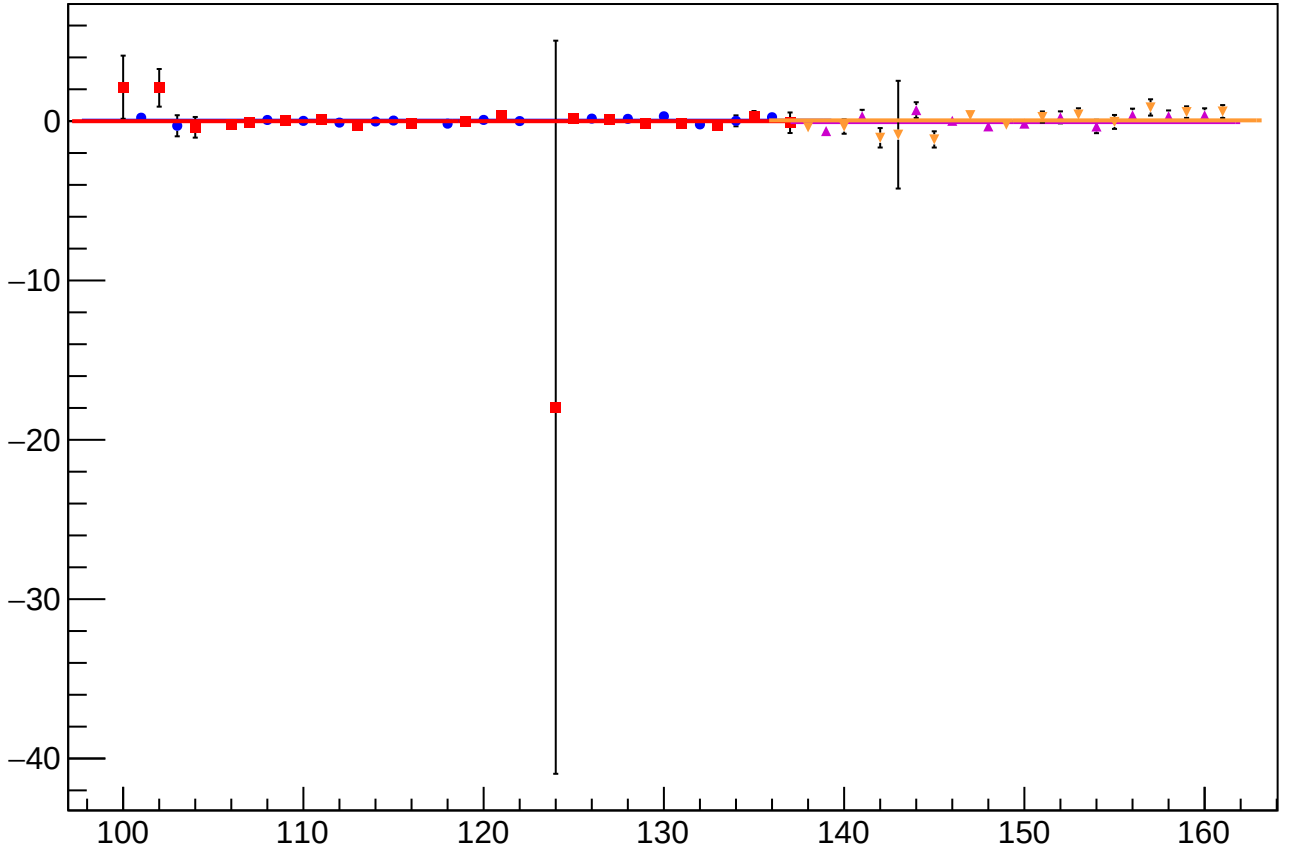
Left In: 0.000+/-0.000 χ^2/NDF:682547.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 10305124.2/28

All: 0.000+/-0.000 χ^2/NDF: 20886106.4/58

- sign 0.000+/-0.000 χ^2/NDF: 1752500.1/29

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.049+/-0.110 χ^2/NDF:21.4/12

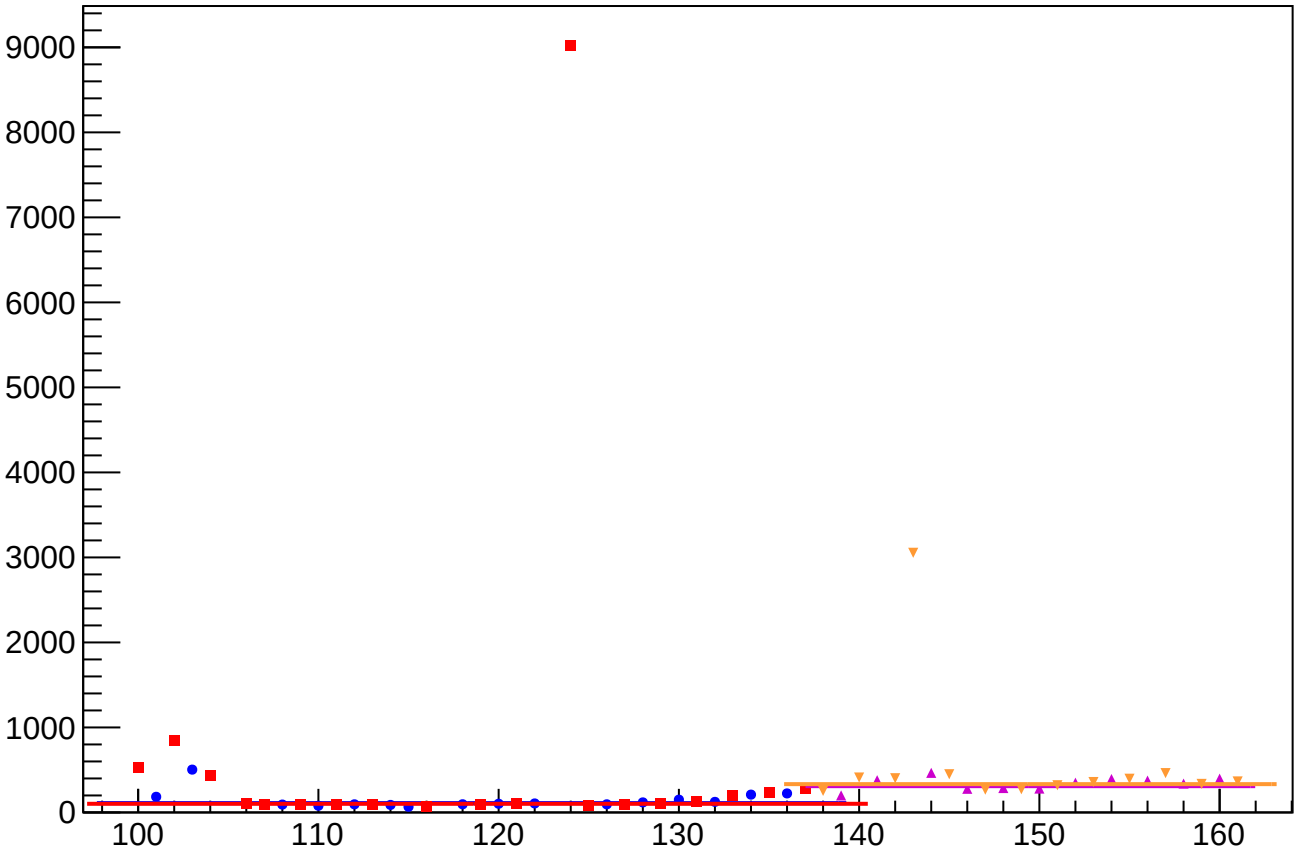
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.060+/-0.104 χ^2/NDF:14.0/10

+ sign 0.031+/-0.042 χ^2/NDF: 30.3/28

All: 0.009+/-0.029 χ^2/NDF: 67.5/58

- sign -0.012+/-0.040 χ^2/NDF: 36.6/29



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 333.145+/-0.078 χ^2/NDF:2004325.6/12

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

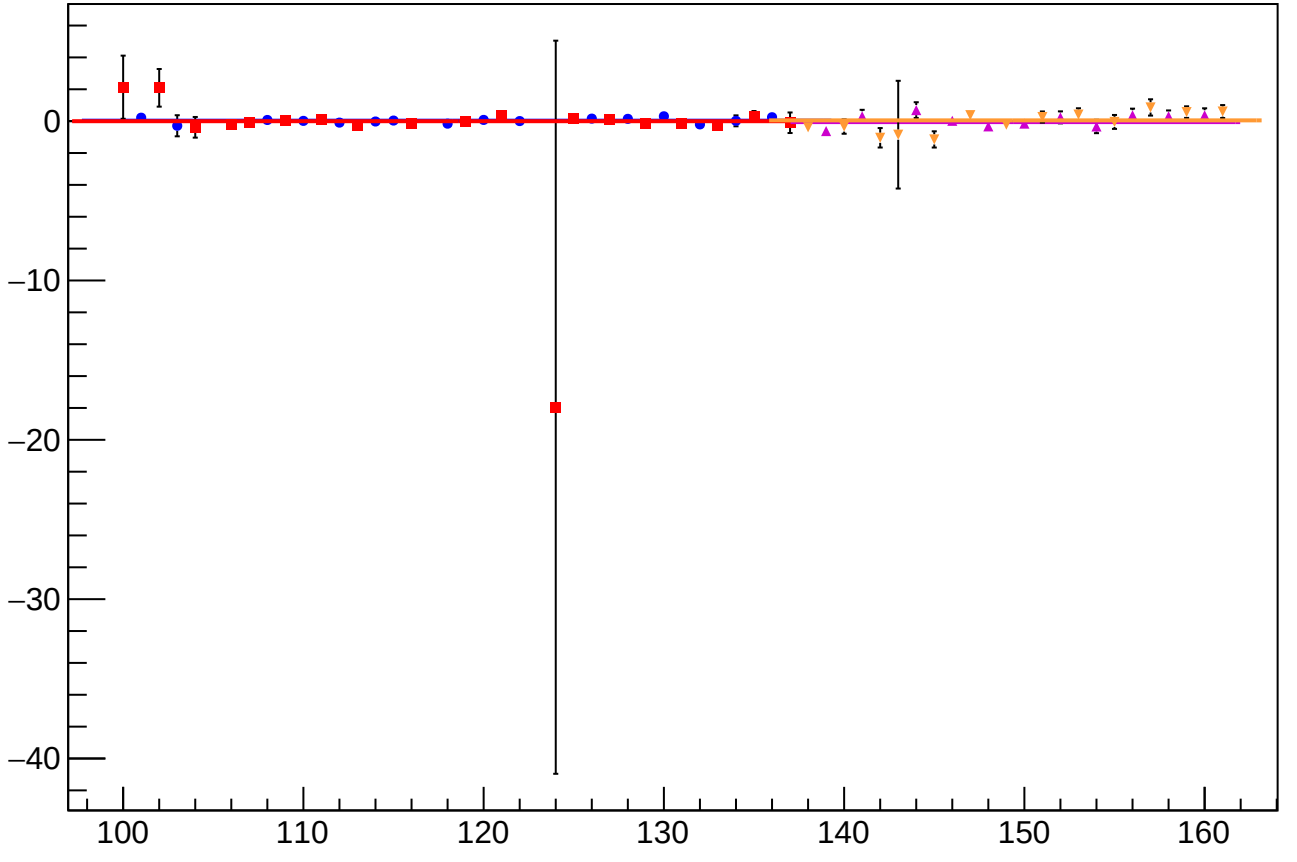
Left In: 309.276+/-0.074 χ^2/NDF:998840.1/10

+ sign 142.451+/-0.030 χ^2/NDF: 10995002.0/28

All: 137.292+/-0.020 χ^2/NDF: 21417963.8/58

- sign 132.578+/-0.028 χ^2/NDF: 10364872.5/29

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: 0.049+/-0.110 χ^2/NDF:21.4/12

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

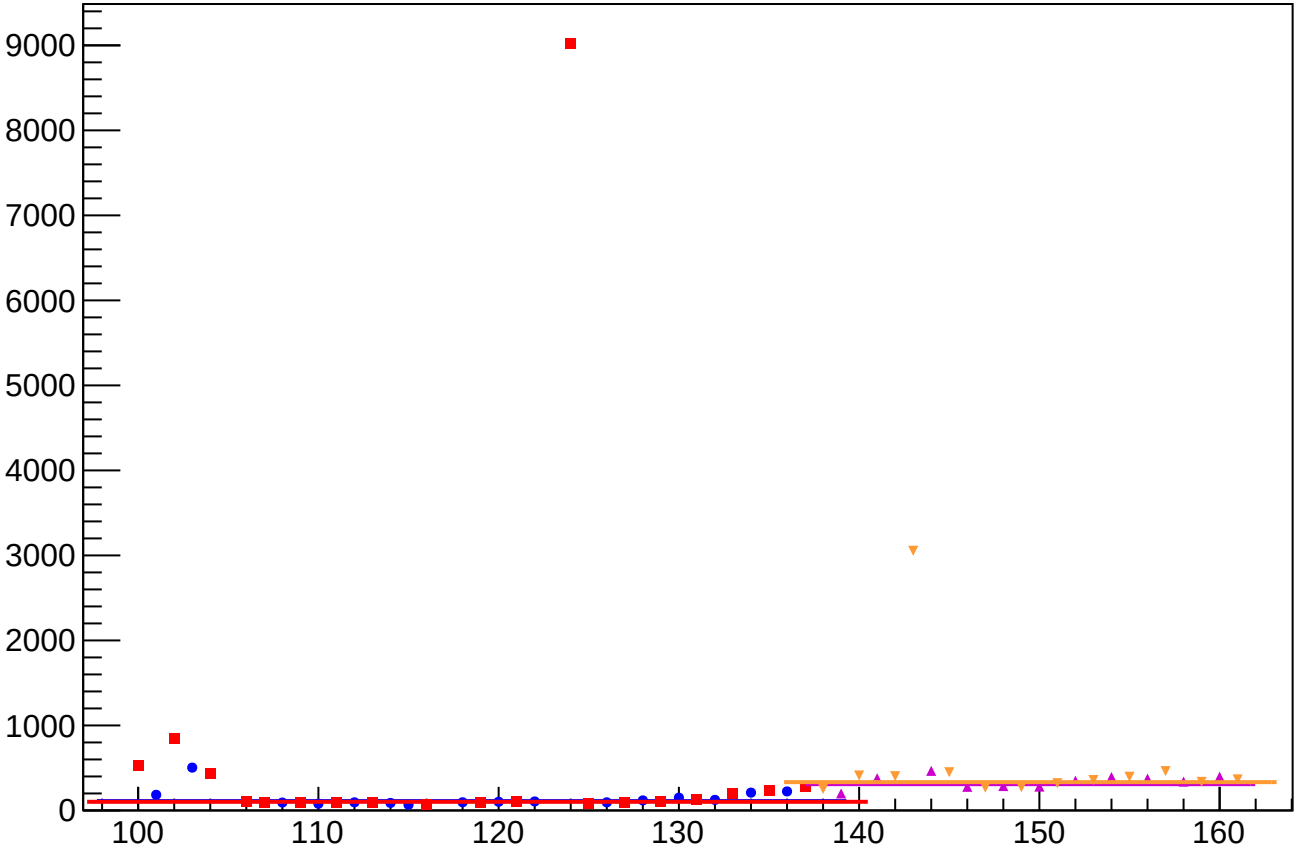
Left In: -0.060+/-0.104 χ^2/NDF:14.0/10

+ sign 0.031+/-0.042 χ^2/NDF: 30.3/28

All: 0.009+/-0.029 χ^2/NDF: 67.5/58

- sign -0.012+/-0.040 χ^2/NDF: 36.6/29

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: 333.145+/-0.078 χ^2/NDF:2004325.6/12

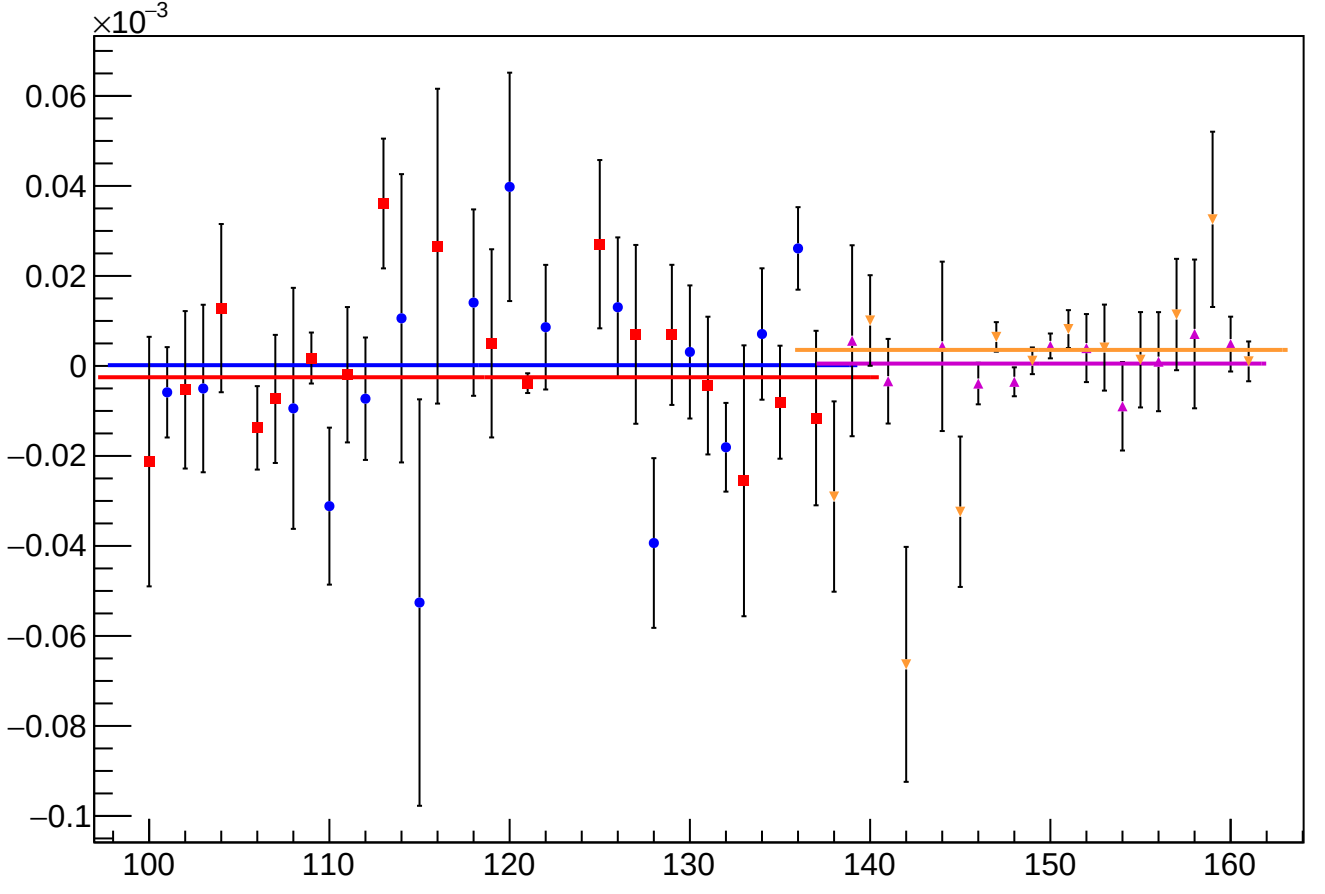
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 309.276+/-0.074 χ^2/NDF:998840.1/10

+ sign 142.451+/-0.030 χ^2/NDF: 10995002.0/28

All: 137.292+/-0.020 χ^2/NDF: 21417963.8/58

- sign 132.578+/-0.028 χ^2/NDF: 10364872.5/29



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/11

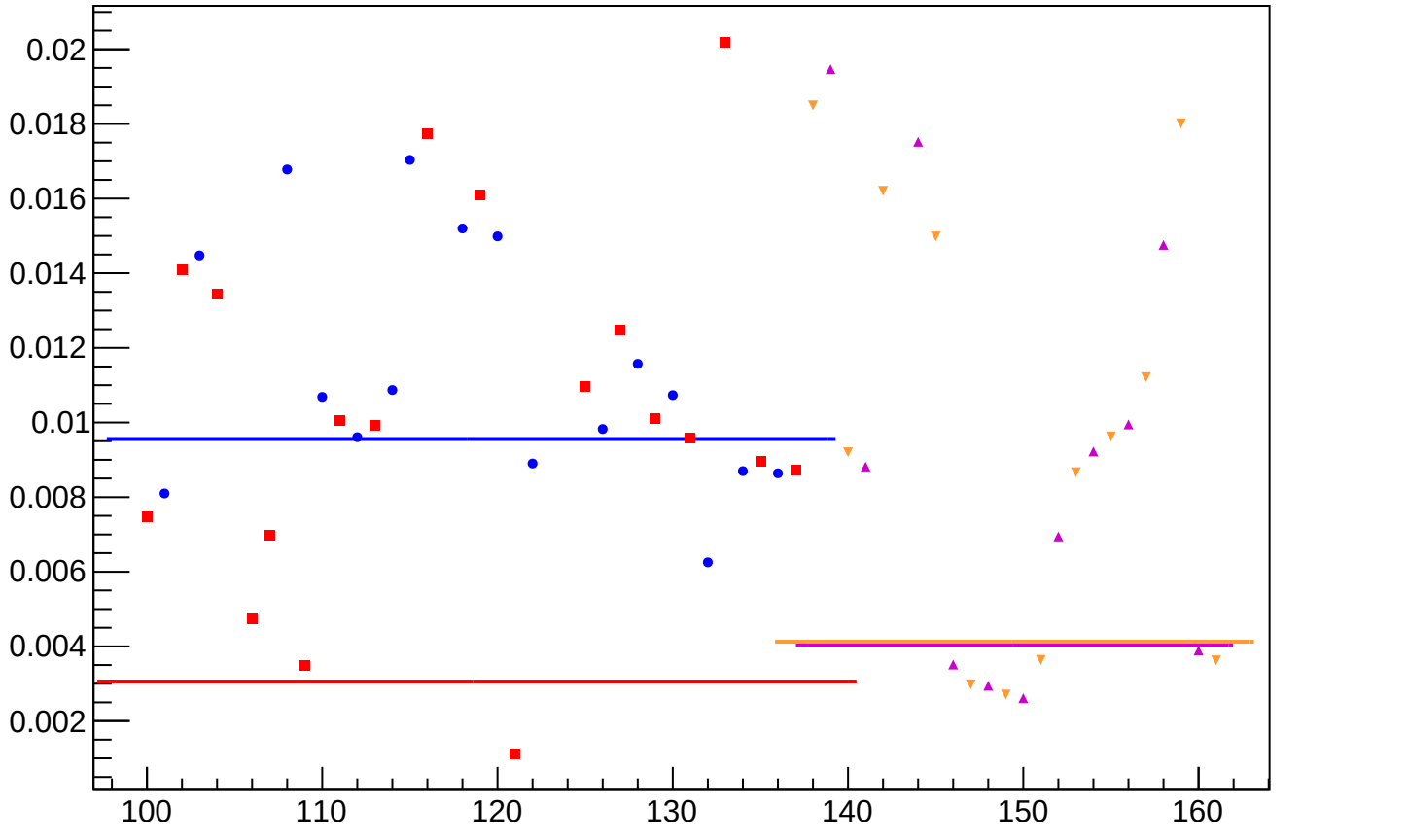
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:6.6/10

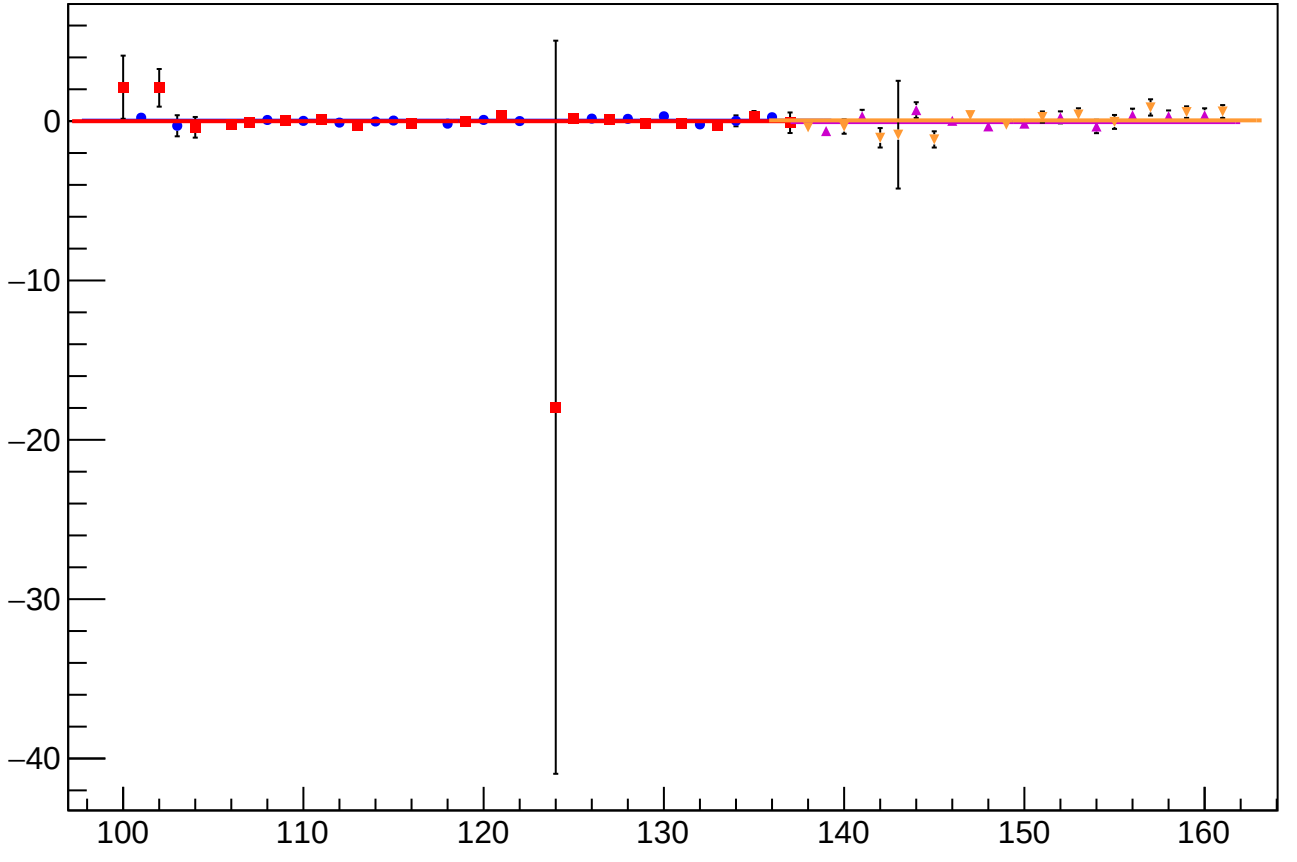
+ sign 0.000+/-0.000 χ^2/NDF: 46.5/27

All: 0.000+/-0.000 χ^2/NDF: 74.3/56

- sign -0.000+/-0.000 χ^2/NDF: 23.9/28


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
Right In: 0.010+/-0.000 χ²/NDF: 926018.8/15
Left Out: 0.004+/-0.000 χ²/NDF:6120464.1/11
Right Out: 0.003+/-0.000 χ²/NDF: 8122378.4/17
Left In: 0.004+/-0.000 χ²/NDF:5663397.3/10
+ sign 0.005+/-0.000 χ²/NDF: 10582326.0/27
All: 0.004+/-0.000 χ²/NDF: 25759772.6/56
- sign 0.004+/-0.000 χ²/NDF: 14094042.6/28

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.049+/-0.110 χ^2/NDF:21.4/12

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

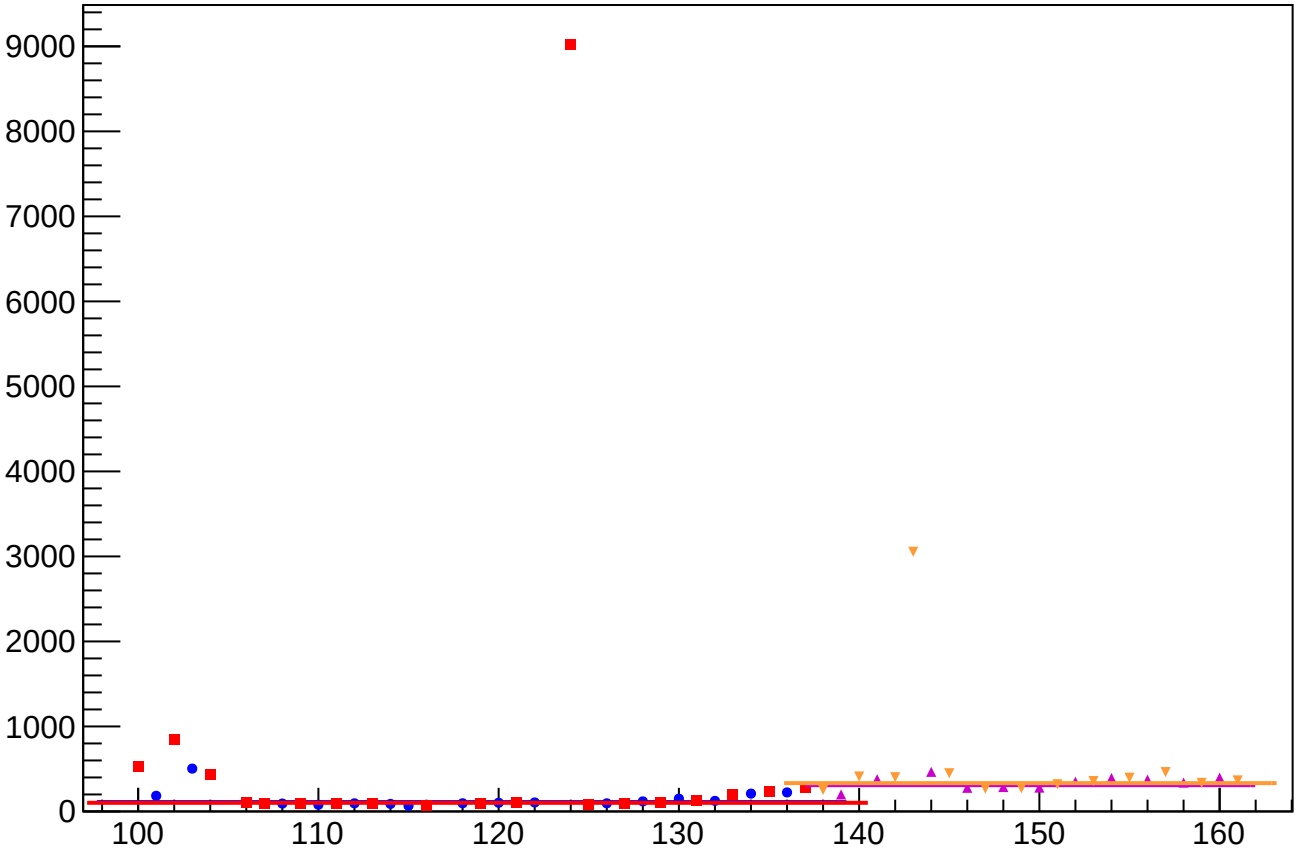
Left In: -0.060+/-0.104 χ^2/NDF:14.0/10

+ sign 0.031+/-0.042 χ^2/NDF: 30.3/28

All: 0.009+/-0.029 χ^2/NDF: 67.5/58

- sign -0.012+/-0.040 χ^2/NDF: 36.6/29

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: 333.147+/-0.078 χ^2/NDF:2004371.7/12

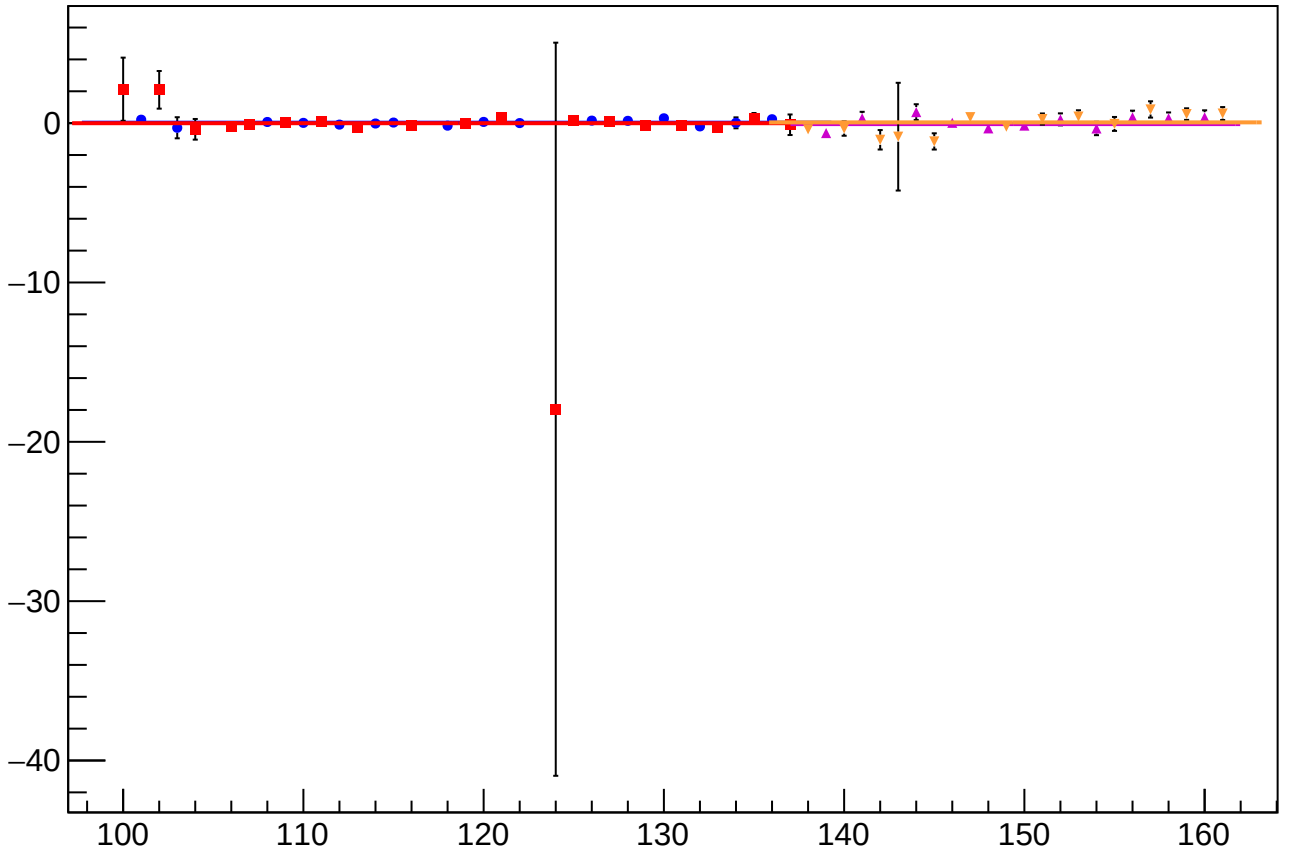
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 309.280+/-0.074 χ^2/NDF:998817.2/10

+ sign 142.452+/-0.030 χ^2/NDF: 10994978.1/28

All: 137.293+/-0.020 χ^2/NDF: 21417858.9/58

- sign 132.579+/-0.028 χ^2/NDF: 10364798.1/29



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.049+/-0.110 χ^2/NDF:21.4/12

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

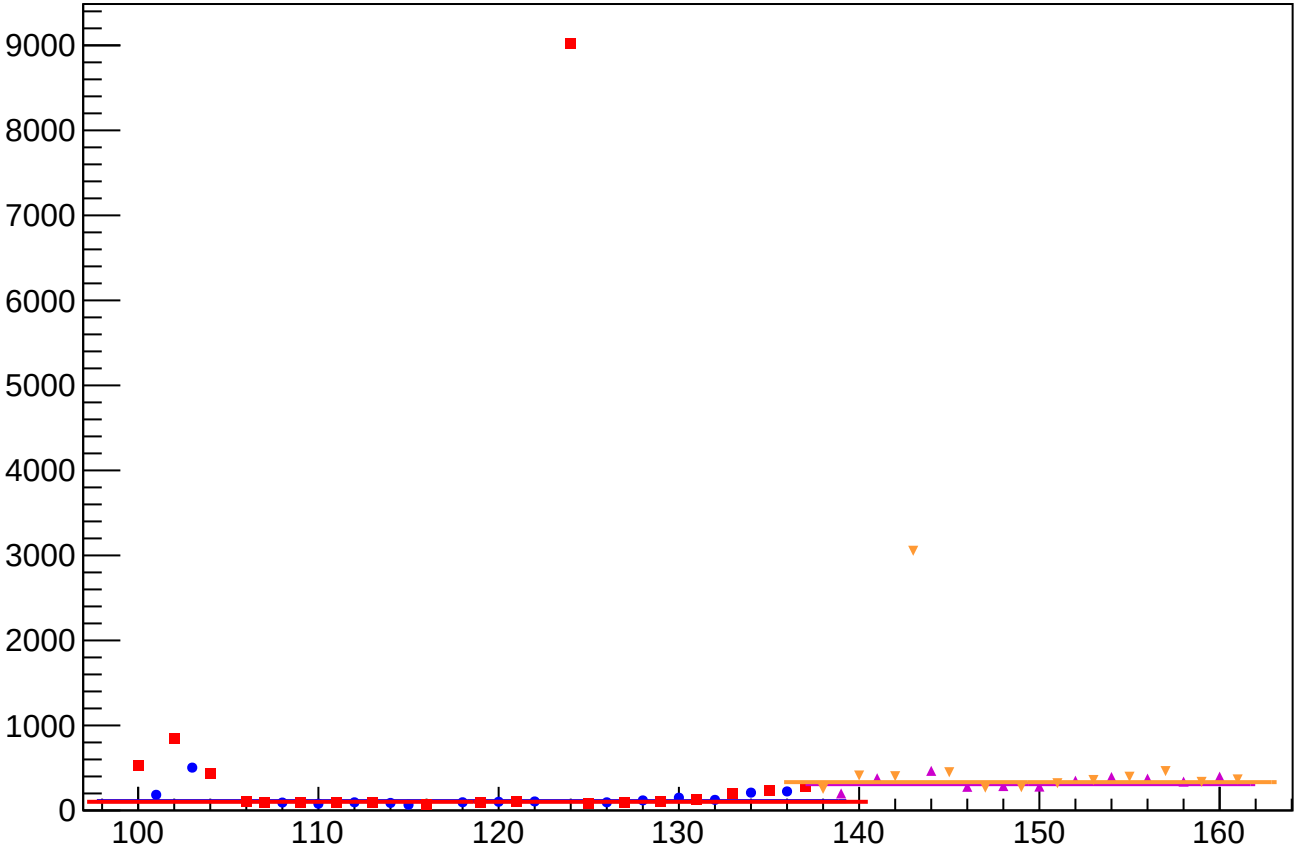
Left In: -0.060+/-0.104 χ^2/NDF:14.0/10

\+ sign 0.031+/-0.042 χ^2/NDF: 30.3/28

All: 0.009+/-0.029 χ^2/NDF: 67.5/58

\- sign -0.012+/-0.040 χ^2/NDF: 36.6/29

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 333.147+/-0.078 χ^2/NDF:2004371.7/12

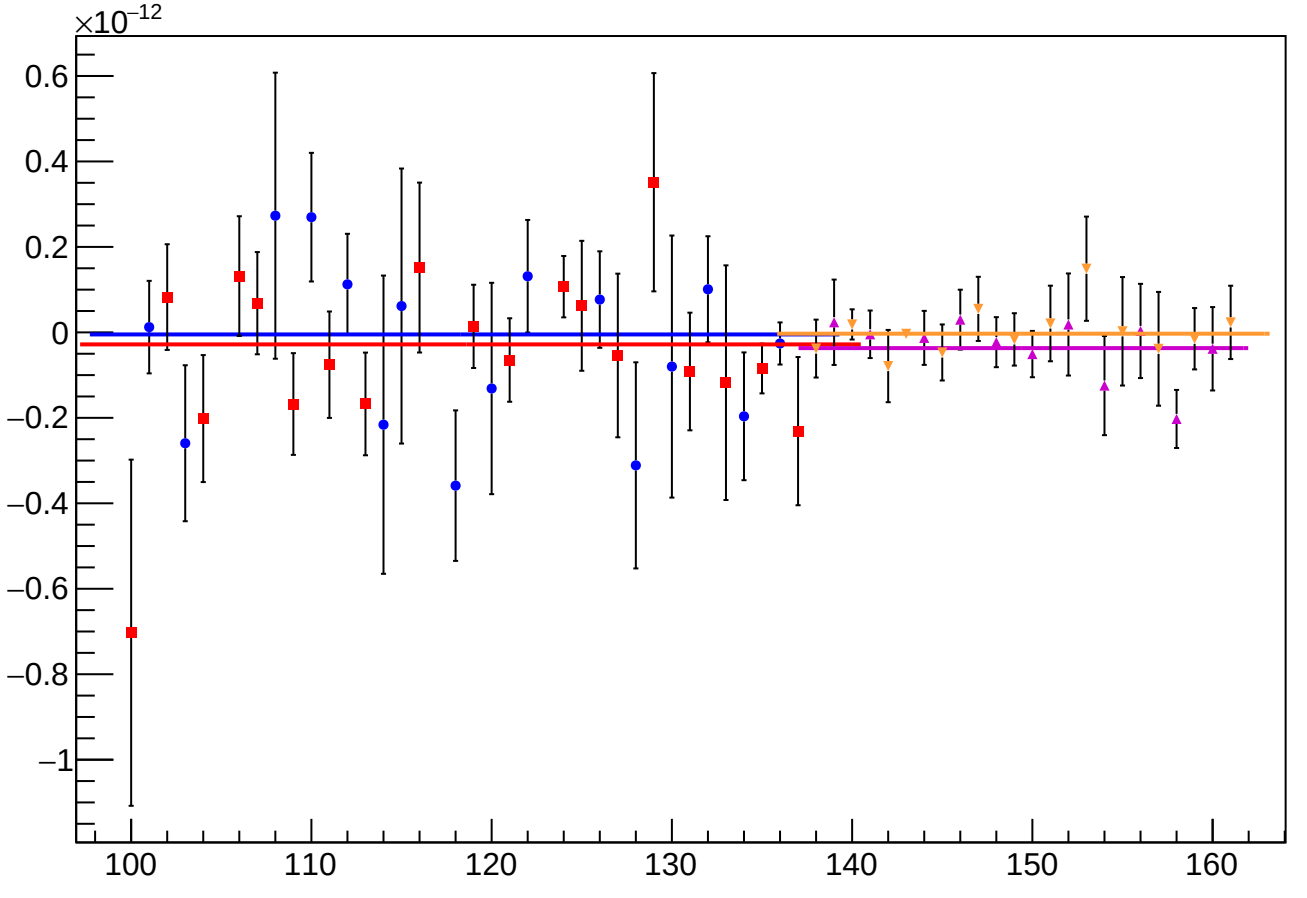
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 309.280+/-0.074 χ^2/NDF:998817.2/10

+ sign 142.452+/-0.030 χ^2/NDF: 10994978.1/28

All: 137.293+/-0.020 χ^2/NDF: 21417858.9/58

- sign 132.579+/-0.028 χ^2/NDF: 10364798.1/29



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.4/12

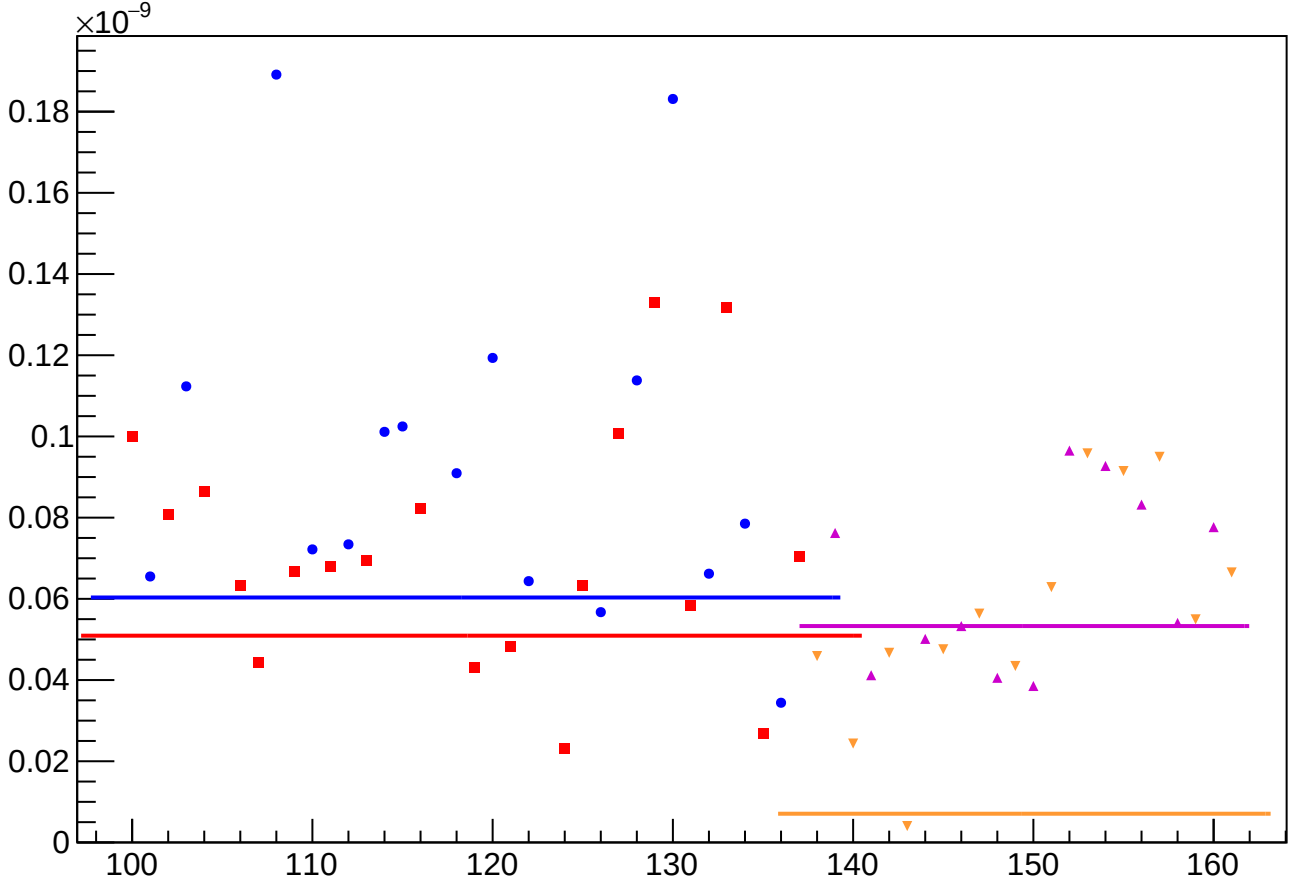
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:8.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 21.9/28

All: -0.000+/-0.000 χ^2/NDF: 53.2/58

- sign -0.000+/-0.000 χ^2/NDF: 28.5/29



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9950504.6/12

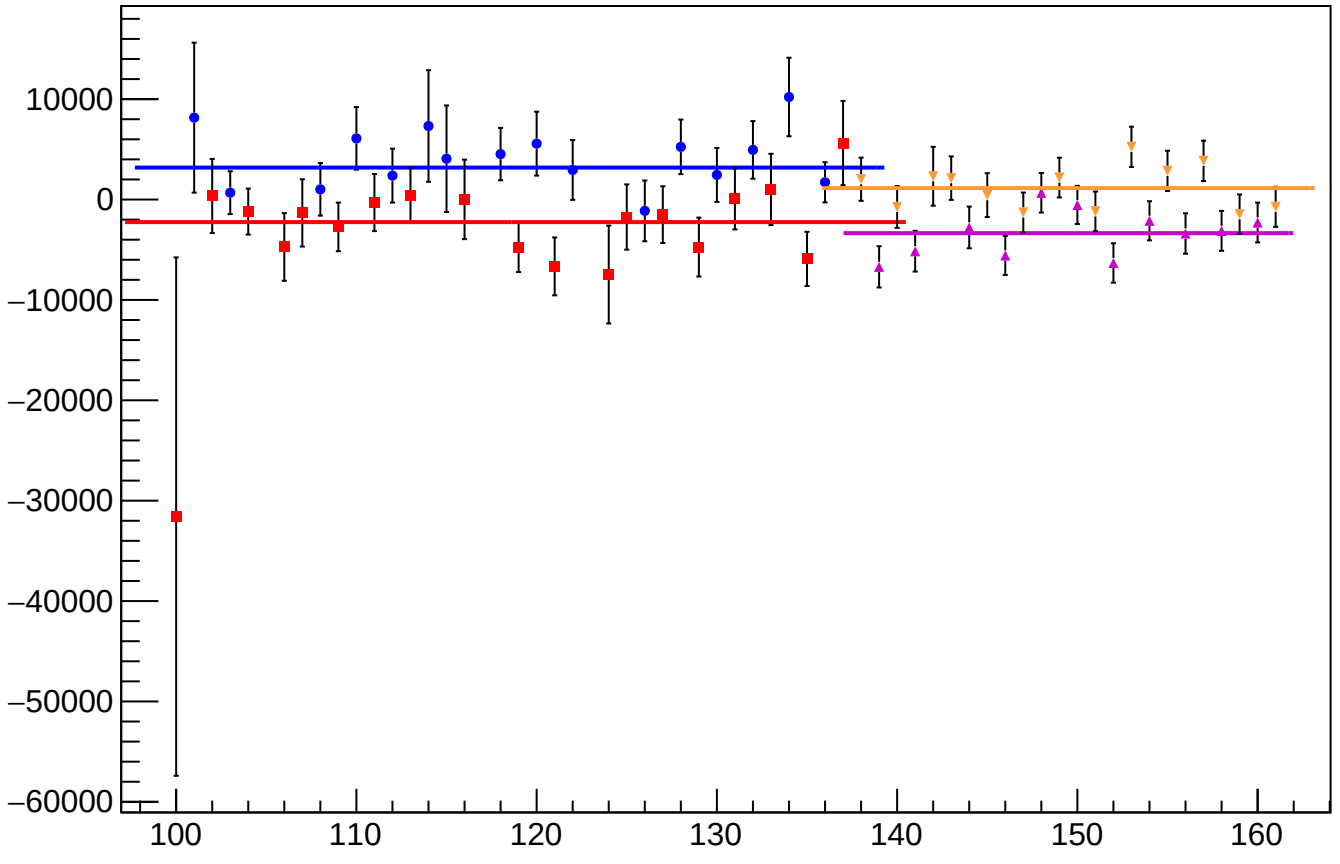
Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1213026.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 17163605.8/28

All: 0.000+/-0.000 χ^2/NDF: 31969311.8/58

- sign 0.000+/-0.000 χ^2/NDF: 2889215.1/29



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1139.399+/-577.026 χ^2/NDF:14.0/12

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

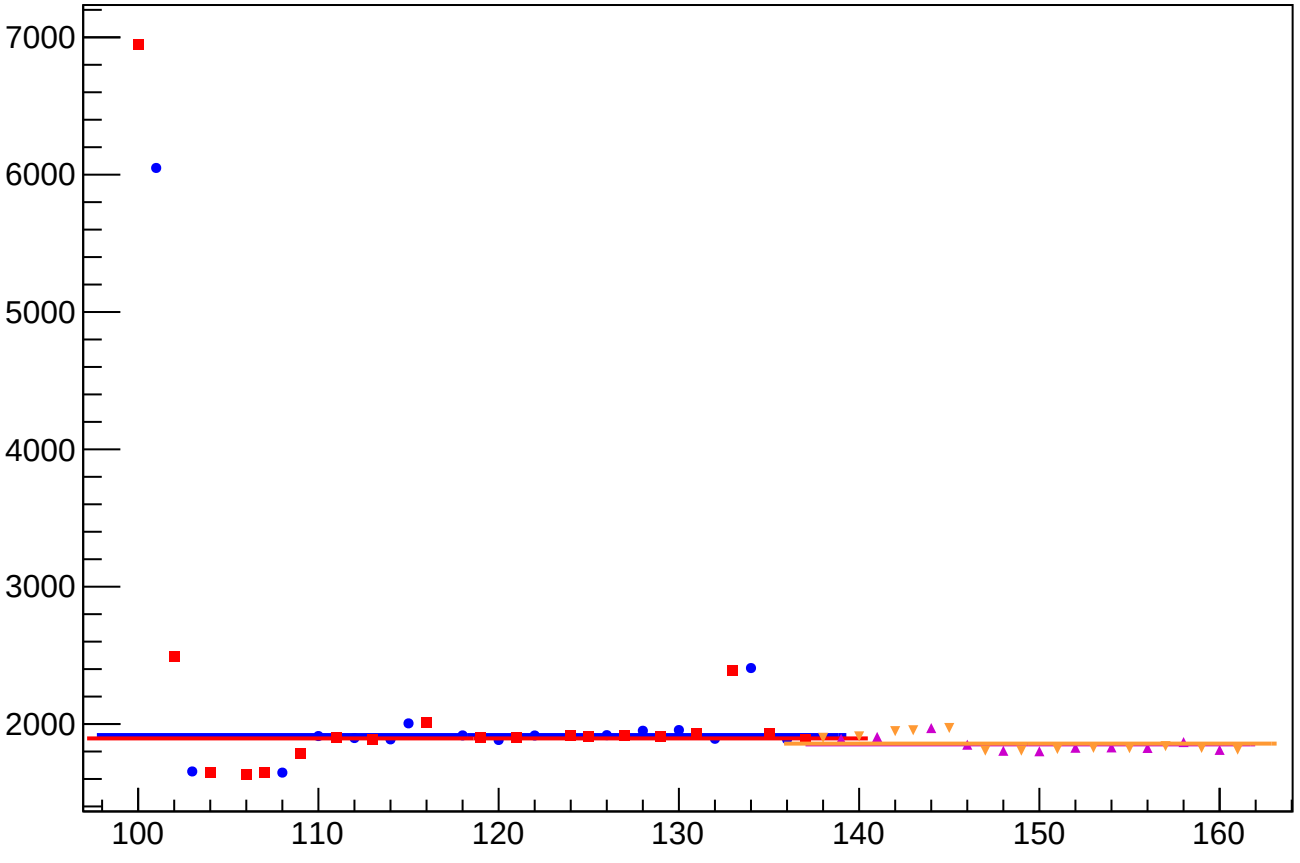
Left In: -3347.412+/-599.135 χ^2/NDF:14.2/10

+ sign 1924.021+/-452.953 χ^2/NDF: 30.5/28

All: -455.623+/-322.103 χ^2/NDF: 118.4/58

- sign -2890.026+/-458.135 χ^2/NDF: 32.1/29

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1857.511+/-0.408 χ^2/NDF:19559.5/12

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

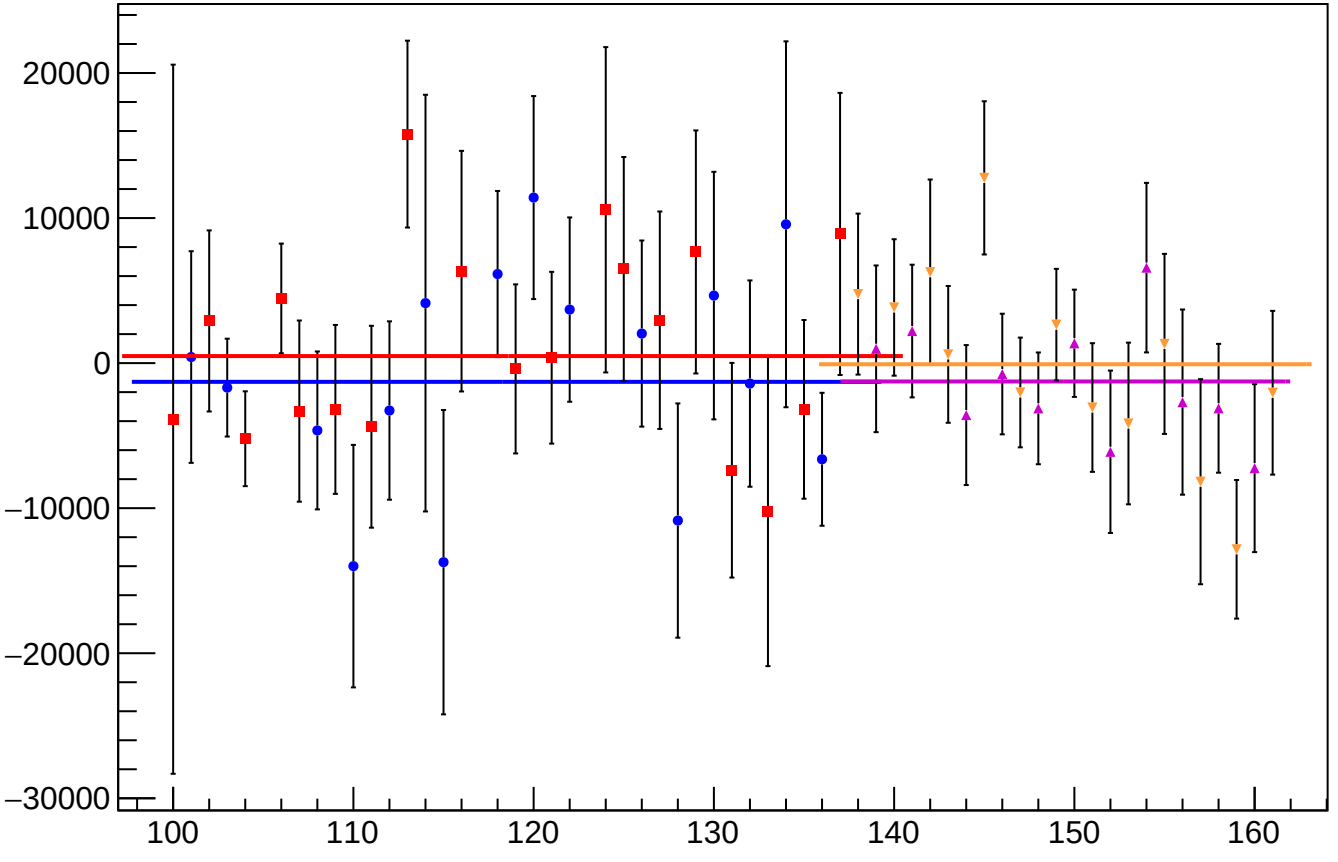
Left In: 1851.792+/-0.424 χ^2/NDF:13101.2/10

+ sign 1881.428+/-0.320 χ^2/NDF: 725843.8/28

All: 1875.751+/-0.228 χ^2/NDF: 966263.7/58

- sign 1869.960+/-0.323 χ^2/NDF: 239785.2/29

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: -78.248+/-1380.705 χ^2/NDF:18.7/12

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

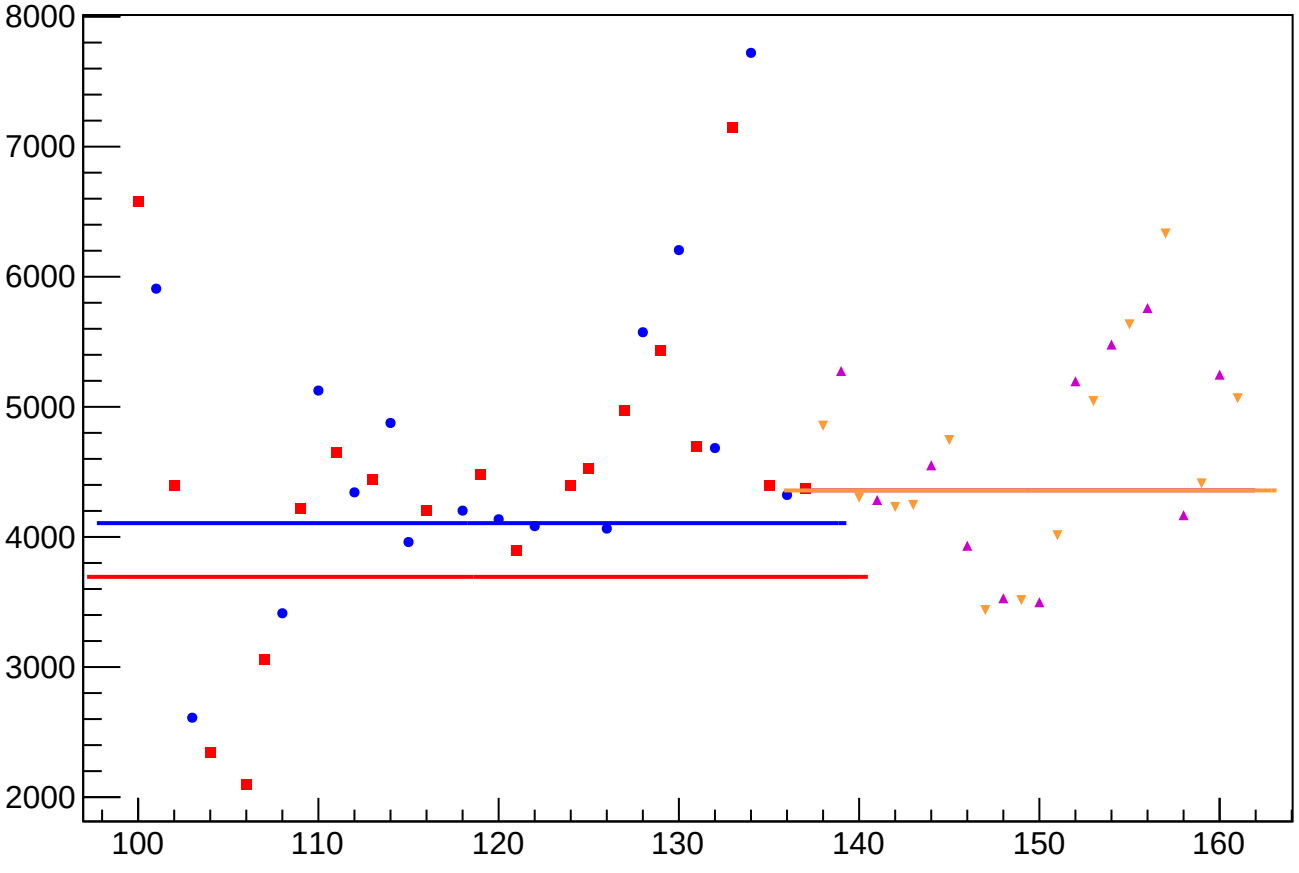
Left In: -1264.797+/-1434.849 χ^2/NDF:5.6/10

+ sign -601.097+/-1041.215 χ^2/NDF: 33.3/28

All: -493.621+/-726.994 χ^2/NDF: 56.9/58

- sign -391.385+/-1015.515 χ^2/NDF: 23.5/29

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4357.492+/-0.976 χ^2/NDF:558129.8/12

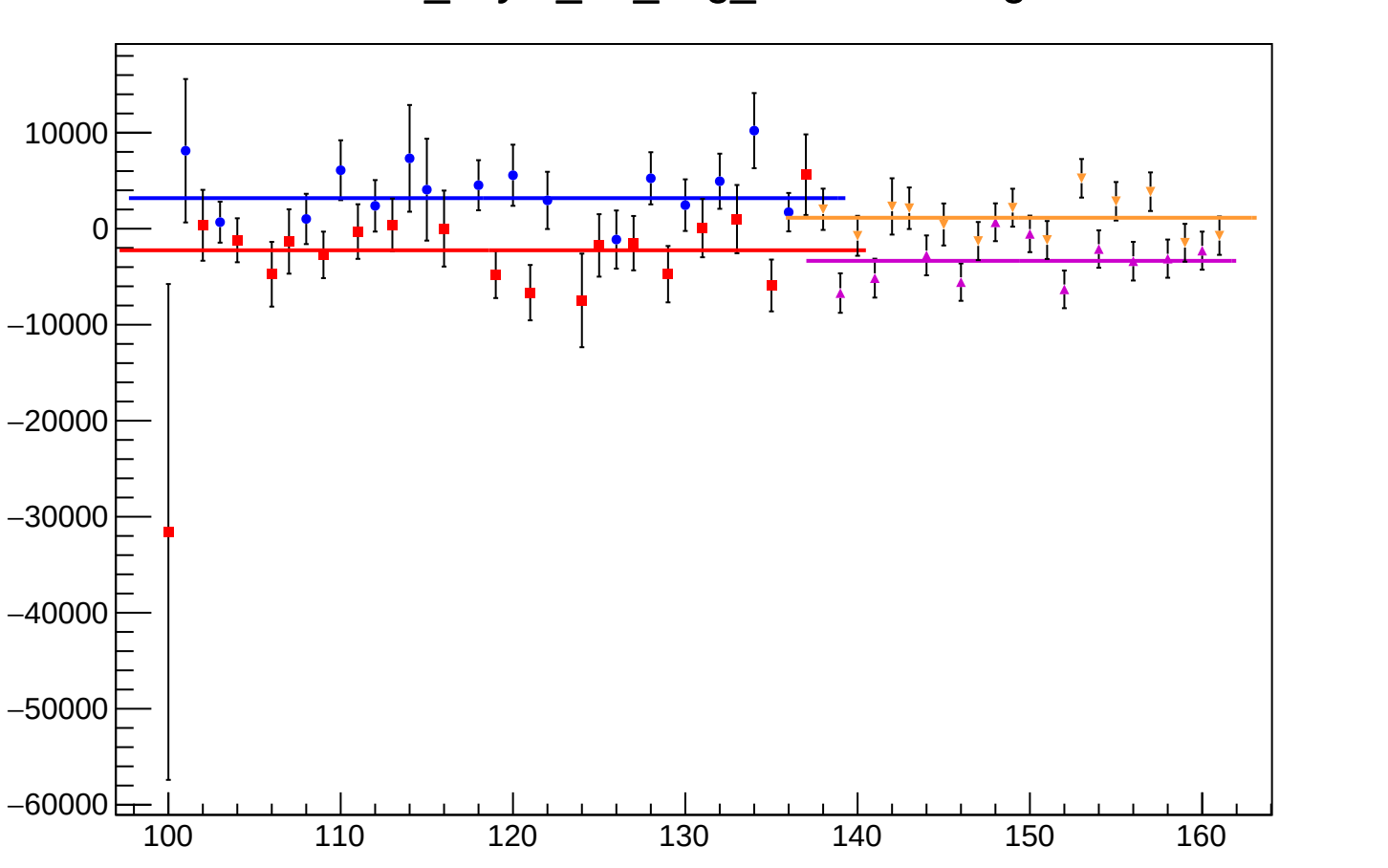
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4358.175+/-1.015 χ^2/NDF:542191.2/10

+ sign 4249.083+/-0.736 χ^2/NDF: 1542847.4/28

All: 4134.921+/-0.514 χ^2/NDF: 3702943.6/58

- sign 4026.326+/-0.718 χ^2/NDF: 2113182.6/29



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1139.301+/-577.026 χ^2/NDF:14.0/12

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

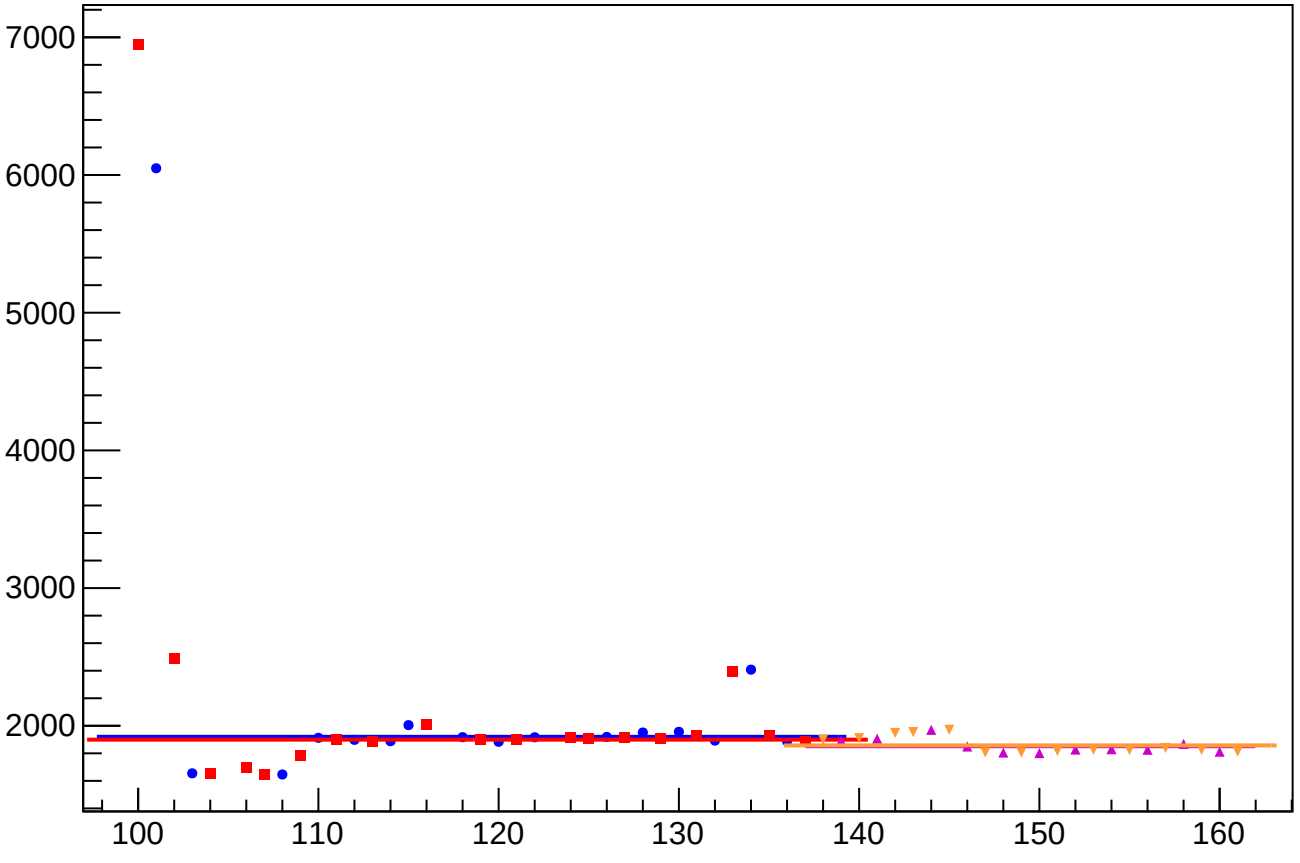
Left In: -3347.456+/-599.135 χ^2/NDF:14.2/10

+ sign 1923.679+/-452.953 χ^2/NDF: 30.5/28

All: -456.038+/-322.103 χ^2/NDF: 118.4/58

- sign -2890.526+/-458.136 χ^2/NDF: 32.1/29

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1857.511+/-0.408 χ^2/NDF:19559.5/12

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

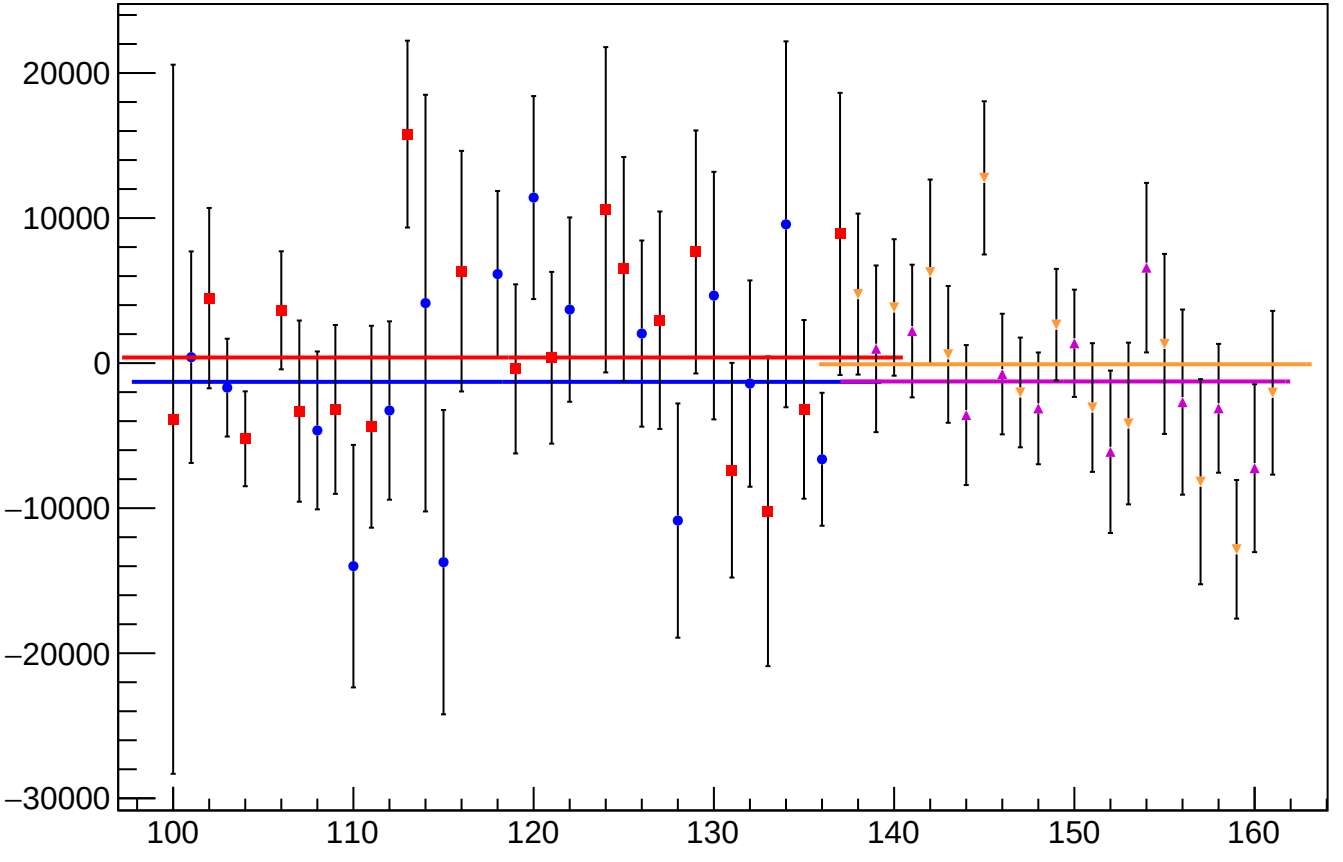
Left In: 1851.793+/-0.424 χ^2/NDF:13101.2/10

+ sign 1881.428+/-0.320 χ^2/NDF: 725843.0/28

All: 1876.559+/-0.228 χ^2/NDF: 960311.5/58

- sign 1871.585+/-0.324 χ^2/NDF: 234001.3/29

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -78.283+/-1380.702 χ^2/NDF:18.7/12

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

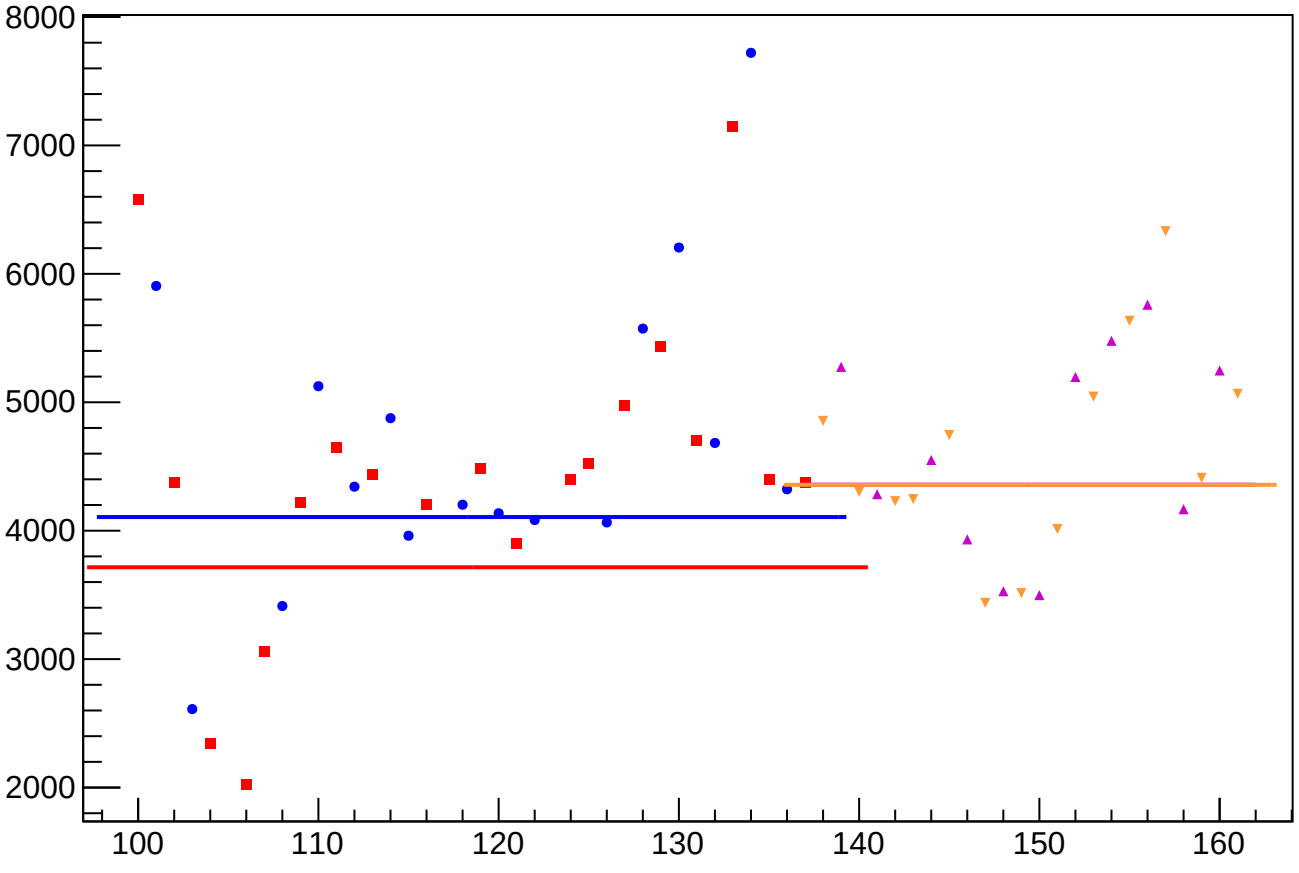
Left In: -1264.824+/-1434.851 χ^2/NDF:5.6/10

+ sign -601.273+/-1041.214 χ^2/NDF: 33.3/28

All: -523.167+/-728.793 χ^2/NDF: 56.6/58

- sign -448.147+/-1020.439 χ^2/NDF: 23.2/29

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4357.480+/-0.976 χ^2/NDF:558142.7/12

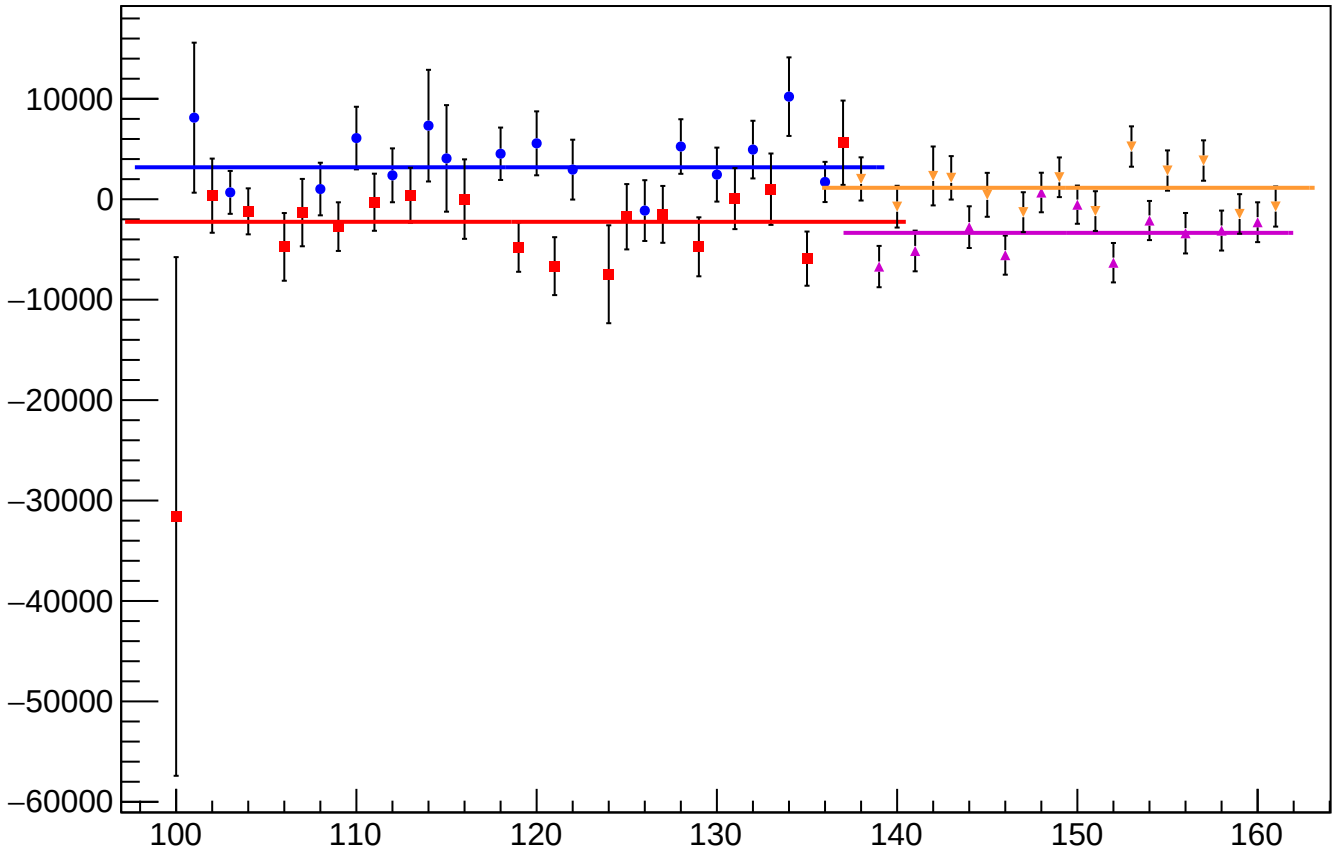
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4358.180+/-1.015 χ^2/NDF:542187.3/10

+ sign 4249.117+/-0.736 χ^2/NDF: 1542337.4/28

All: 4142.659+/-0.515 χ^2/NDF: 3659100.8/58

- sign 4040.407+/-0.722 χ^2/NDF: 2075774.0/29



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1139.301+/-577.026 χ^2/NDF:14.0/12

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

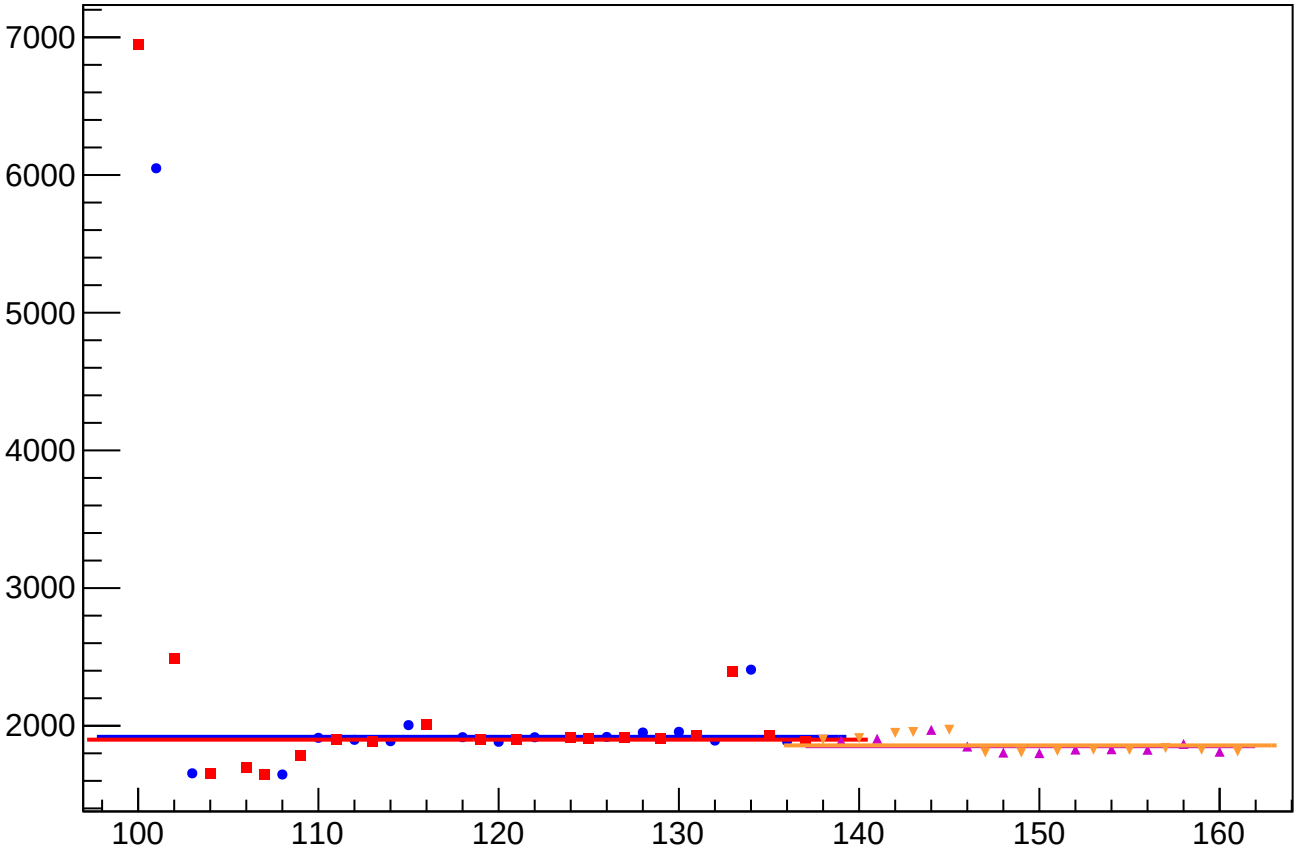
Left In: -3347.456+/-599.135 χ^2/NDF:14.2/10

+ sign 1923.679+/-452.953 χ^2/NDF: 30.5/28

All: -456.038+/-322.103 χ^2/NDF: 118.4/58

- sign -2890.526+/-458.136 χ^2/NDF: 32.1/29

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1857.511+/-0.408 χ^2/NDF:19559.5/12

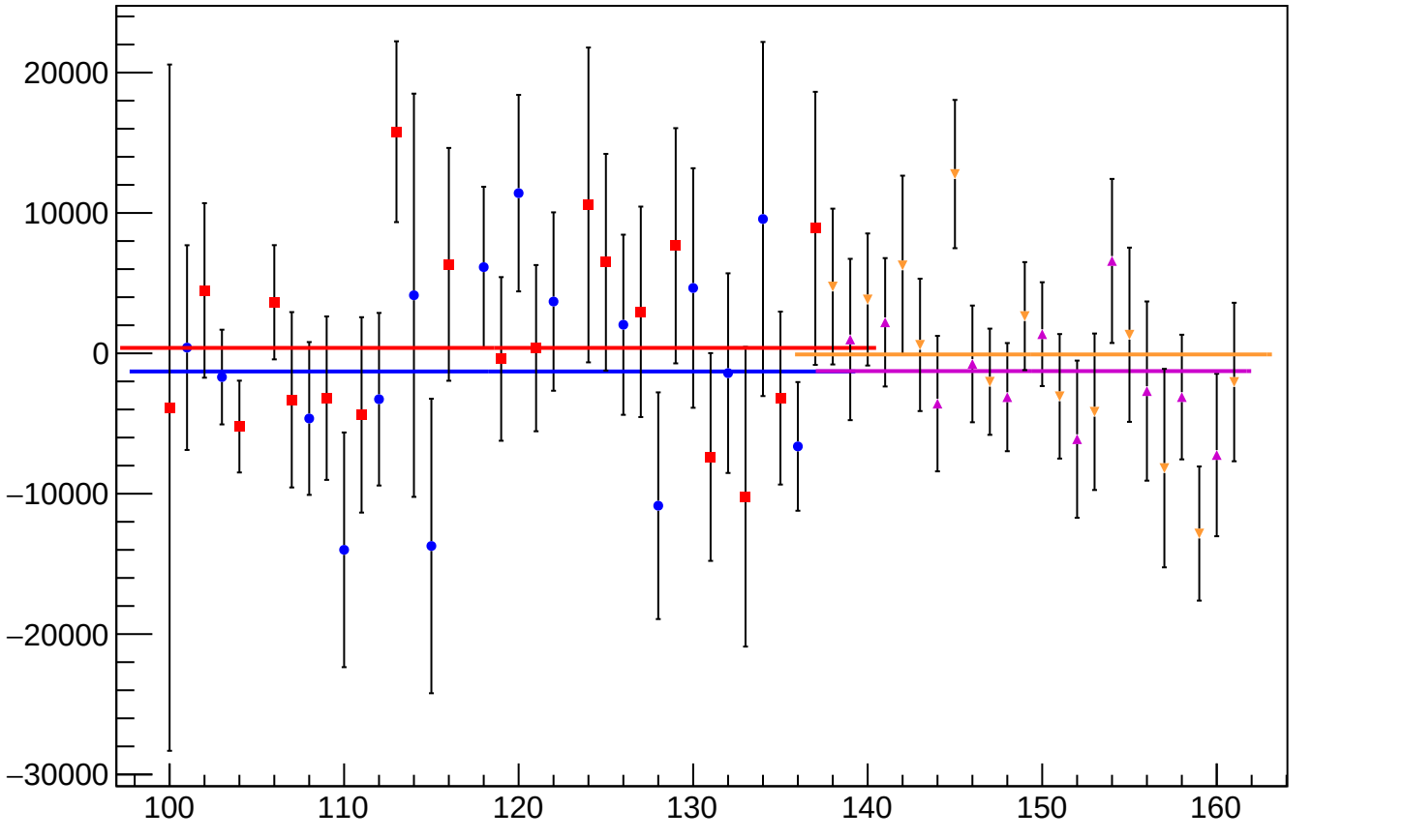
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1851.793+/-0.424 χ^2/NDF:13101.2/10

+ sign 1881.428+/-0.320 χ^2/NDF: 725843.0/28

All: 1876.559+/-0.228 χ^2/NDF: 960311.5/58

- sign 1871.585+/-0.324 χ^2/NDF: 234001.3/29



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -78.283+/-1380.702 χ^2/NDF:18.7/12

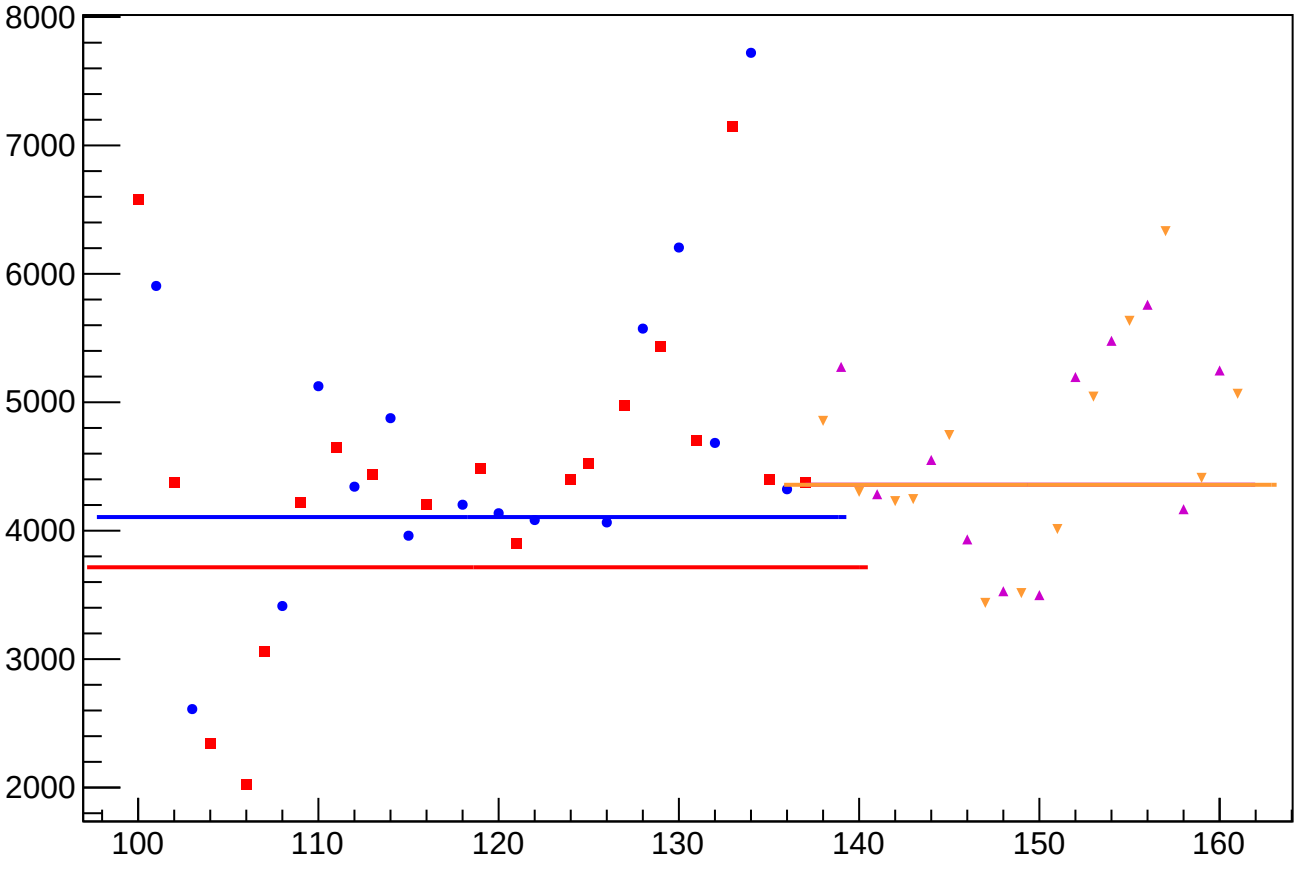
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -1264.824+/-1434.851 χ^2/NDF:5.6/10

+ sign -601.273+/-1041.214 χ^2/NDF: 33.3/28

All: -523.167+/-728.793 χ^2/NDF: 56.6/58

- sign -448.147+/-1020.439 χ^2/NDF: 23.2/29



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4357.480+/-0.976 χ^2/NDF:558142.7/12

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

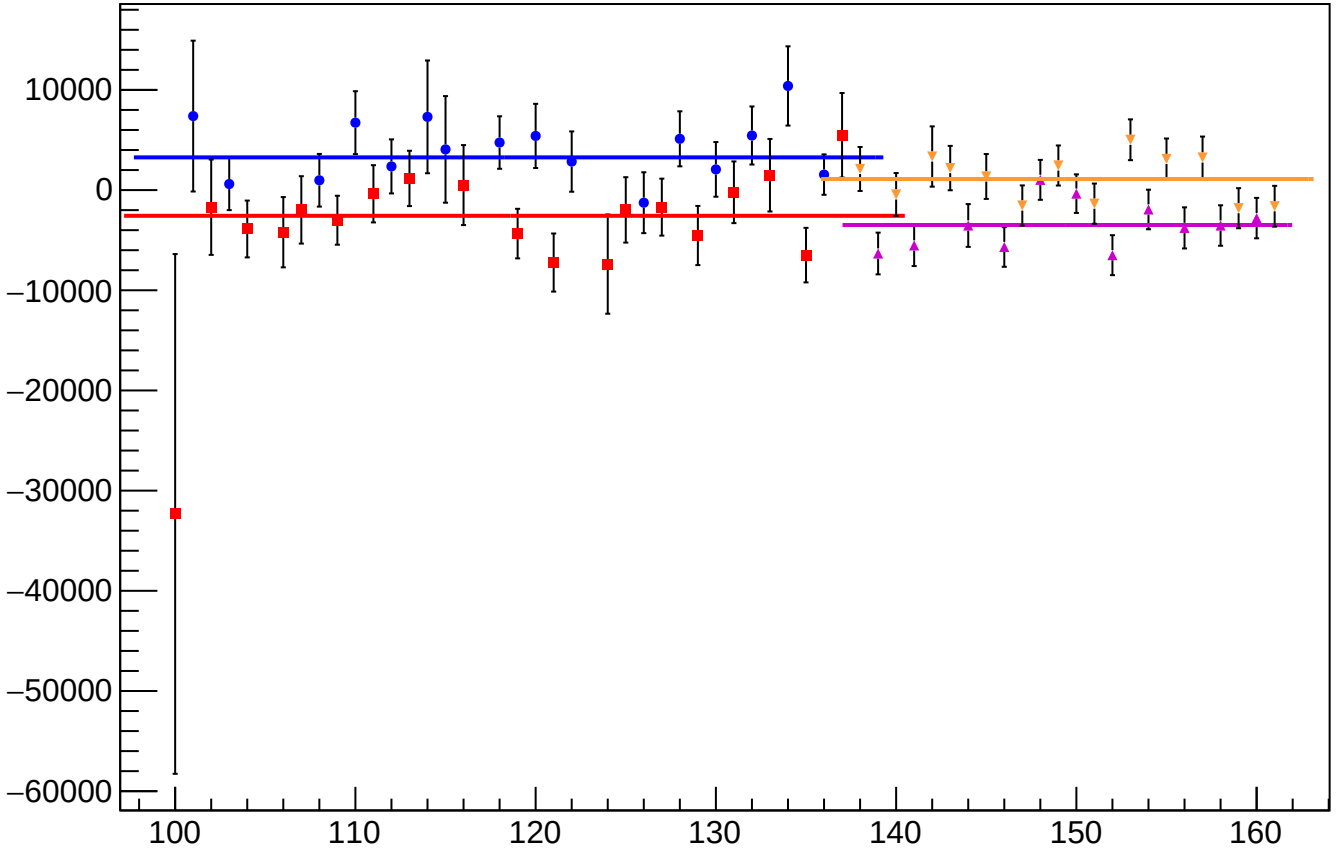
Left In: 4358.180+/-1.015 χ^2/NDF:542187.3/10

+ sign 4249.117+/-0.736 χ^2/NDF: 1542337.4/28

All: 4142.659+/-0.515 χ^2/NDF: 3659100.8/58

- sign 4040.407+/-0.722 χ^2/NDF: 2075774.0/29

dit_asym_atr_avg_mean vs Slug



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1104.819+/-588.419 χ^2/NDF:14.9/12

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

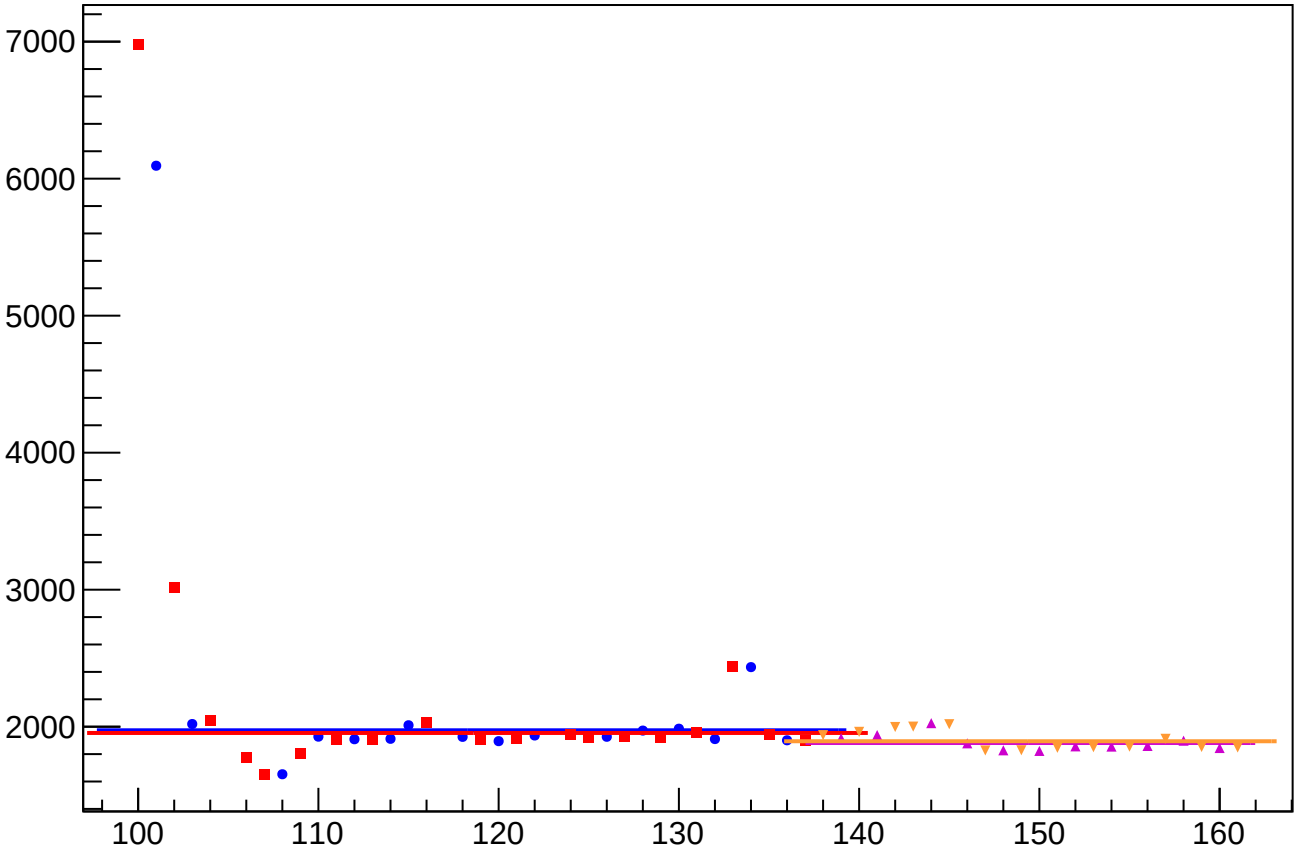
Left In: -3484.203+/-608.808 χ^2/NDF:14.9/10

+ sign 1926.556+/-463.148 χ^2/NDF: 32.1/28

All: -561.434+/-329.483 χ^2/NDF: 123.4/58

- sign -3110.776+/-468.823 χ^2/NDF: 32.8/29

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1893.838+/-0.416 χ^2/NDF:25308.8/12

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

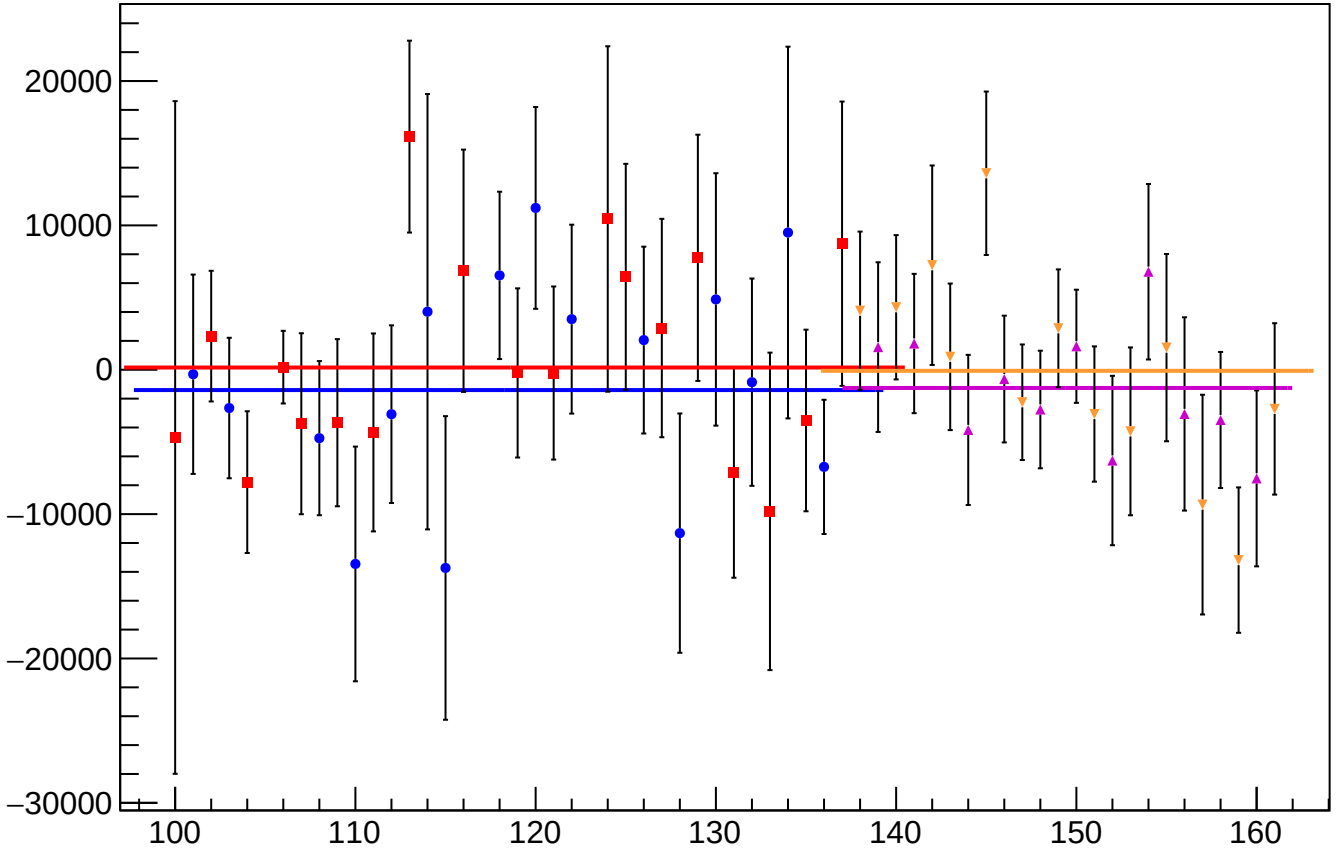
Left In: 1881.492+/-0.430 χ^2/NDF:16244.2/10

+ sign 1924.241+/-0.327 χ^2/NDF: 704466.8/28

All: 1917.784+/-0.233 χ^2/NDF: 979375.5/58

- sign 1911.172+/-0.331 χ^2/NDF: 274121.8/29

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: -74.782+/-1457.391 χ^2/NDF:18.6/12

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

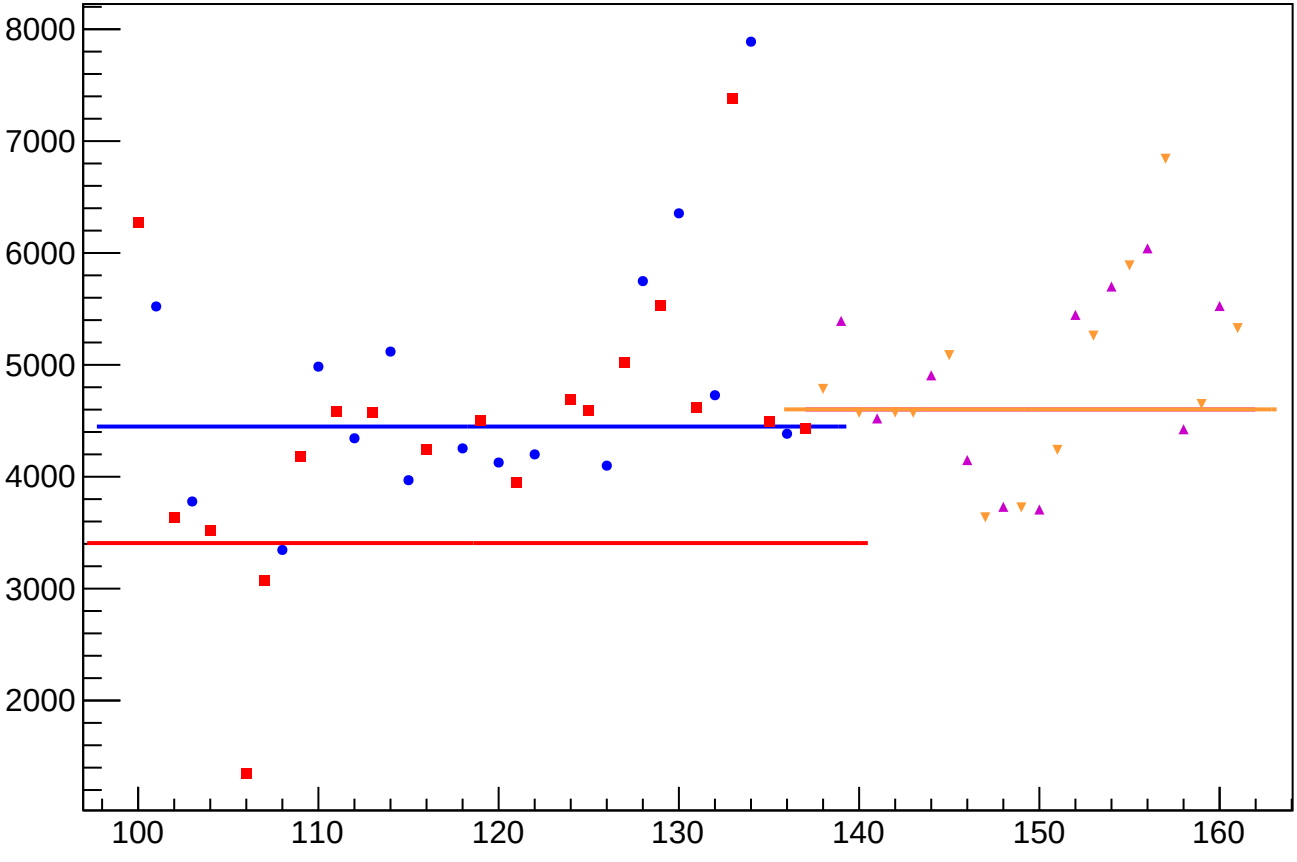
Left In: -1261.213+/-1513.539 χ^2/NDF:5.5/10

+ sign -643.135+/-1103.680 χ^2/NDF: 33.2/28

All: -554.260+/-746.342 χ^2/NDF: 55.0/58

- sign -479.374+/-1013.102 χ^2/NDF: 21.8/29

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4602.211+/-1.031 χ^2/NDF:545472.2/12

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

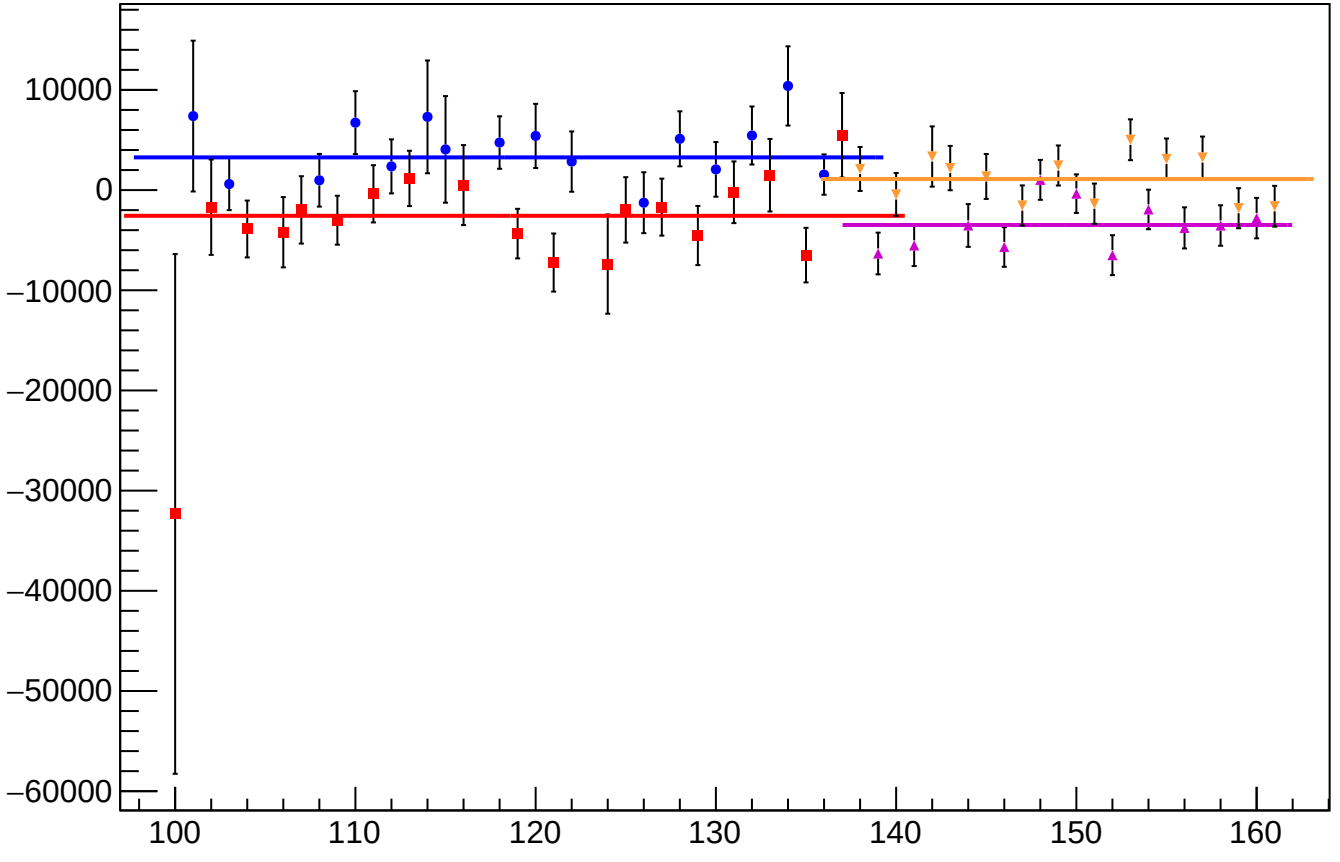
Left In: 4601.390+/-1.070 χ^2/NDF:508578.8/10

+ sign 4536.743+/-0.780 χ^2/NDF: 1049548.4/28

All: 4214.082+/-0.528 χ^2/NDF: 4886459.6/58

- sign 3942.208+/-0.716 χ^2/NDF: 3521942.1/29

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1104.811+/-588.419 χ^2/NDF:14.9/12

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

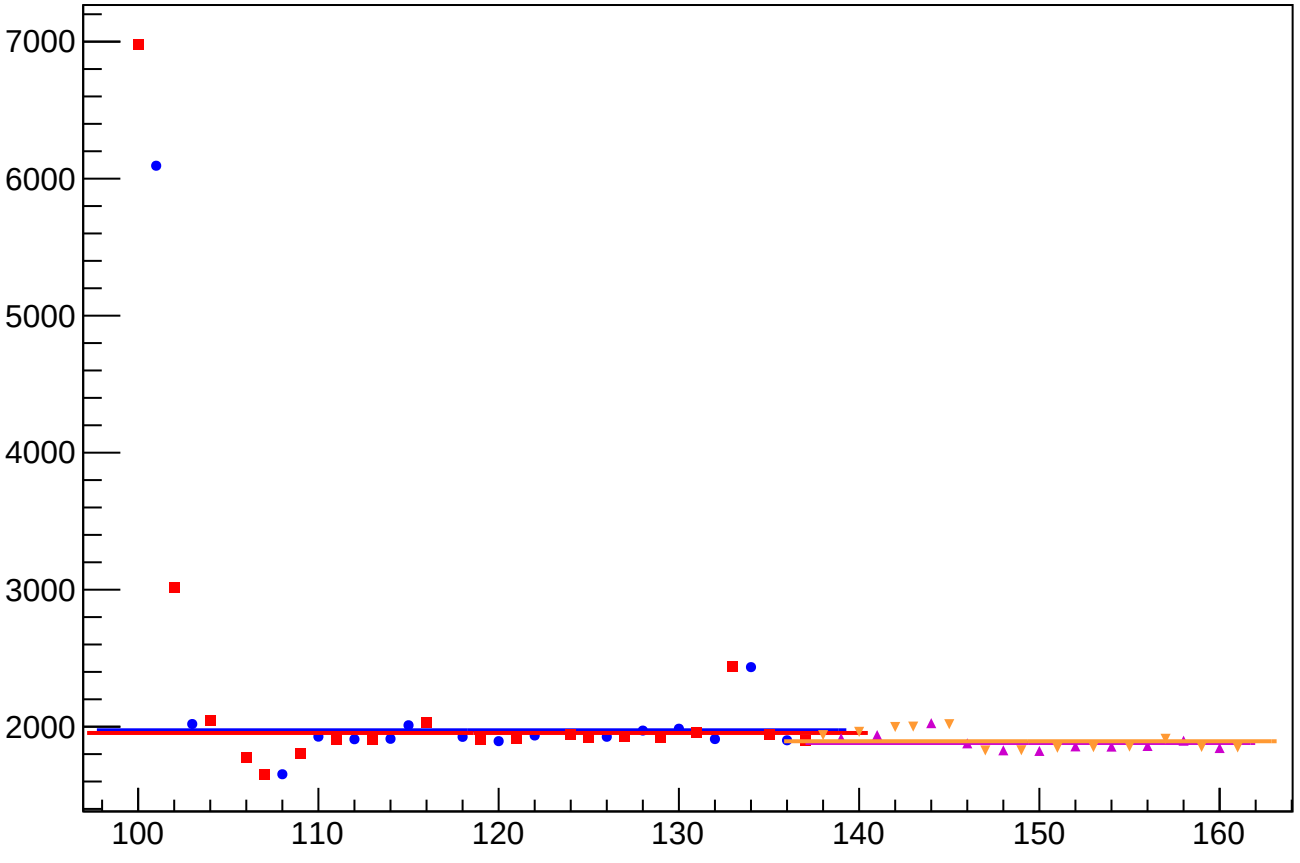
Left In: -3484.203+/-608.808 χ^2/NDF:14.9/10

+ sign 1926.553+/-463.148 χ^2/NDF: 32.1/28

All: -561.437+/-329.483 χ^2/NDF: 123.4/58

- sign -3110.778+/-468.823 χ^2/NDF: 32.8/29

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1893.839+/-0.416 χ^2/NDF:25308.9/12

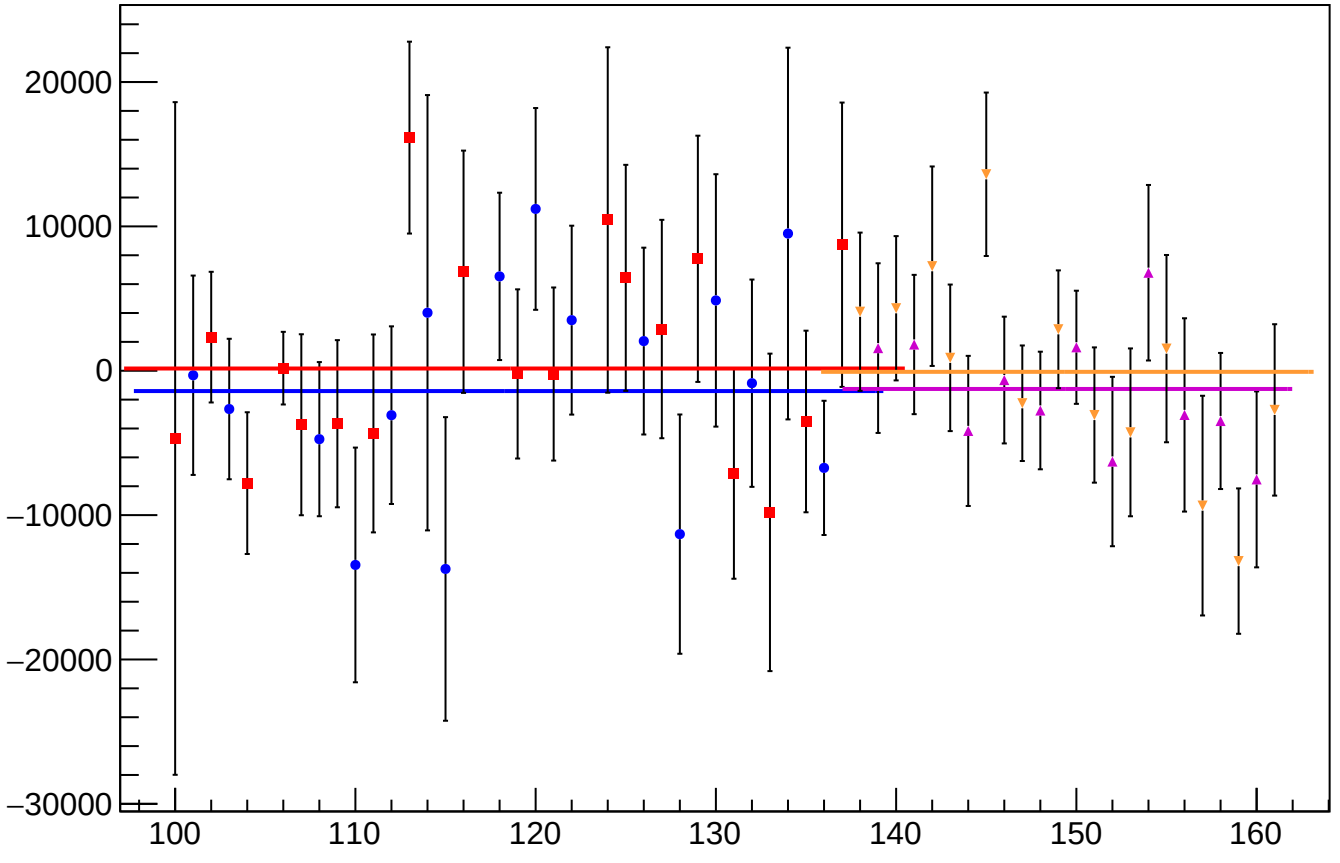
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1881.493+/-0.430 χ^2/NDF:16244.2/10

+ sign 1924.241+/-0.327 χ^2/NDF: 704466.5/28

All: 1917.784+/-0.233 χ^2/NDF: 979374.4/58

- sign 1911.172+/-0.331 χ^2/NDF: 274121.0/29



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: -74.787+/-1457.393 χ^2/NDF:18.6/12

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

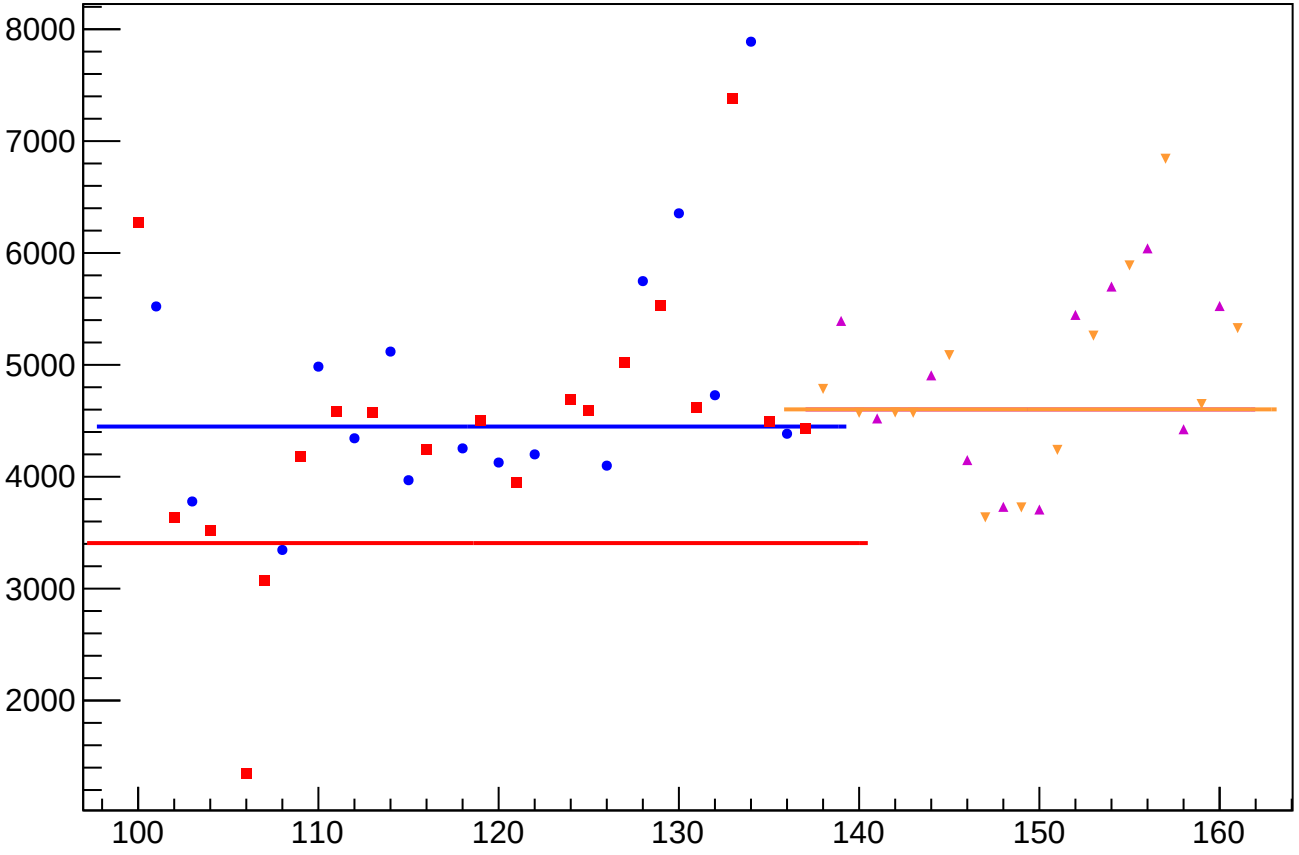
Left In: -1261.212+/-1513.541 χ^2/NDF:5.5/10

+ sign -643.132+/-1103.680 χ^2/NDF: 33.2/28

All: -554.257+/-746.342 χ^2/NDF: 55.0/58

- sign -479.371+/-1013.101 χ^2/NDF: 21.8/29

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4602.217+/-1.031 χ^2/NDF:545470.5/12

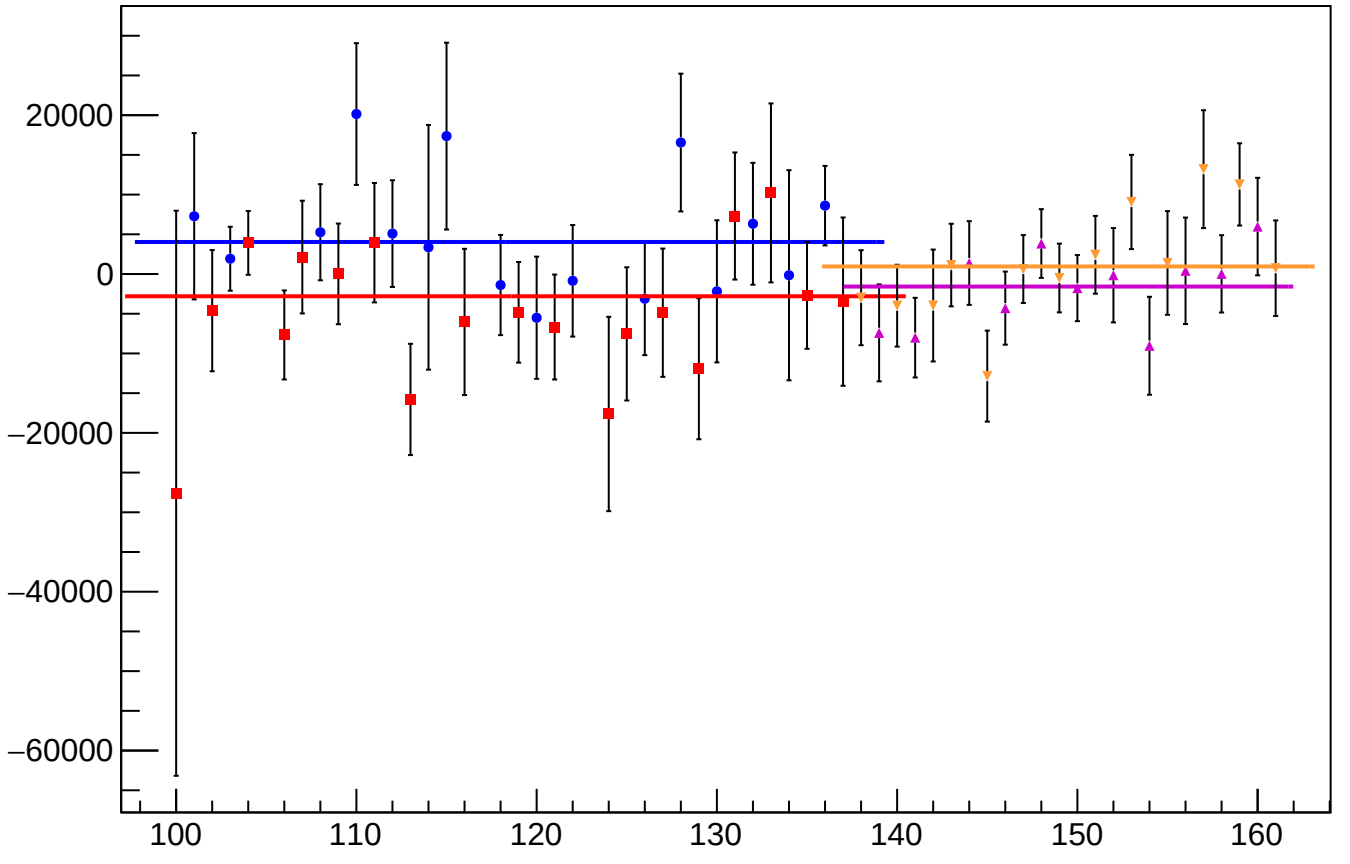
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4601.397+/-1.070 χ^2/NDF:508575.8/10

+ sign 4536.744+/-0.780 χ^2/NDF: 1049545.5/28

All: 4214.080+/-0.528 χ^2/NDF: 4886478.9/58

- sign 3942.205+/-0.716 χ^2/NDF: 3521959.9/29



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 950.462+/-1511.000 χ^2/NDF:16.4/12

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

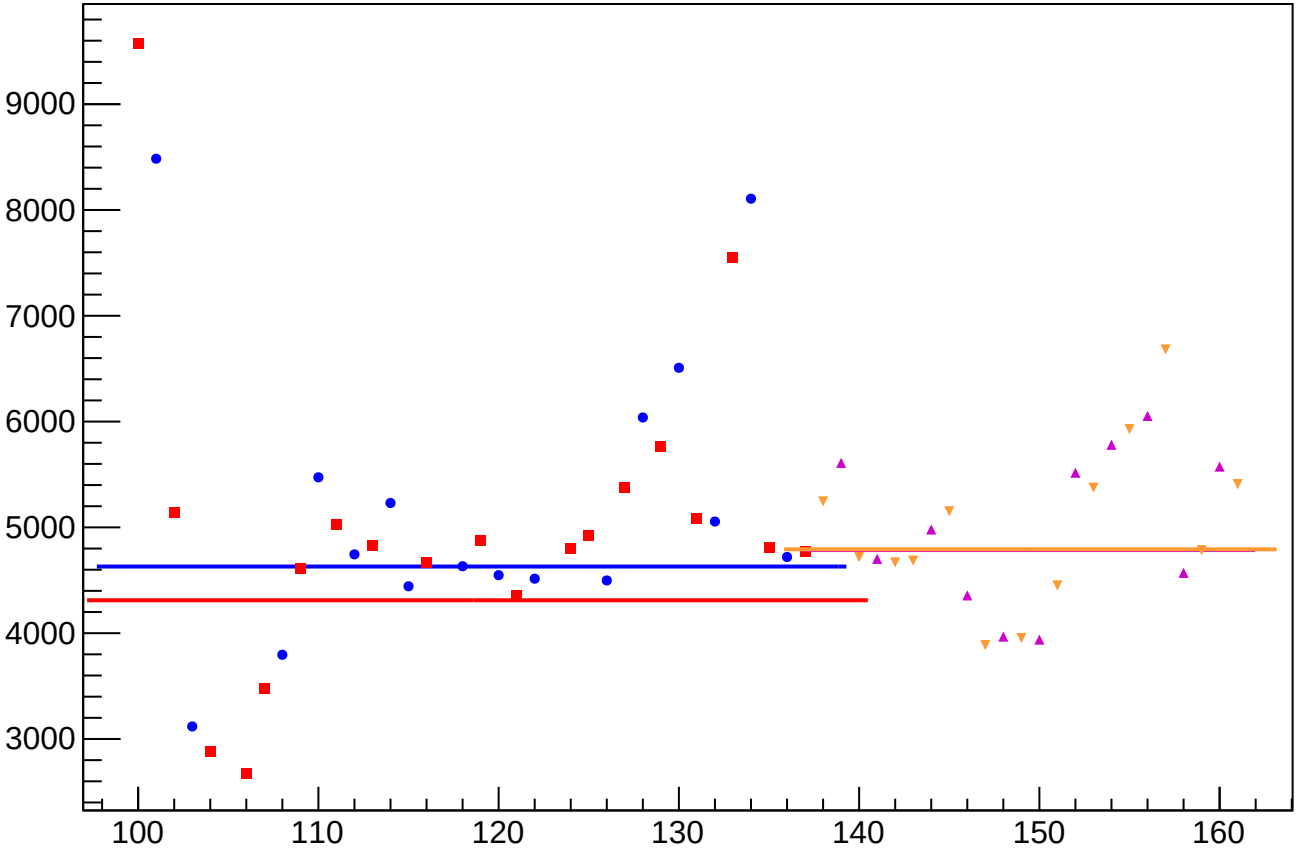
Left In: -1578.174+/-1568.323 χ^2/NDF:8.0/10

+ sign 2240.389+/-1152.478 χ^2/NDF: 30.5/28

All: 28.490+/-811.850 χ^2/NDF: 61.6/58

- sign -2150.334+/-1143.829 χ^2/NDF: 23.7/29

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4792.749+/-1.068 χ^2/NDF:426270.8/12

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

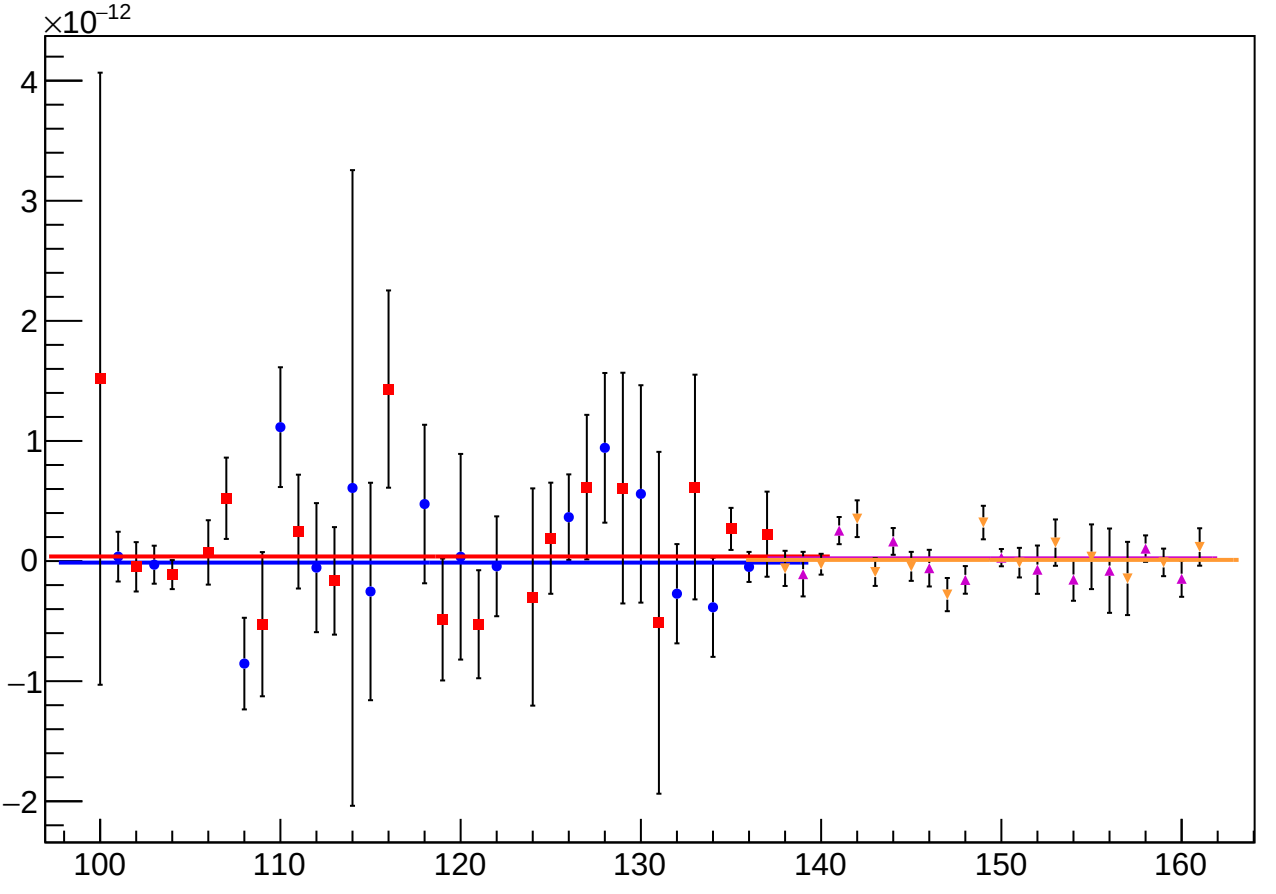
Left In: 4785.861+/-1.109 χ^2/NDF:401948.8/10

+ sign 4724.666+/-0.815 χ^2/NDF: 1336225.6/28

All: 4642.205+/-0.573 χ^2/NDF: 2749692.1/58

- sign 4561.638+/-0.806 χ^2/NDF: 1393223.6/29

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:17.1/12

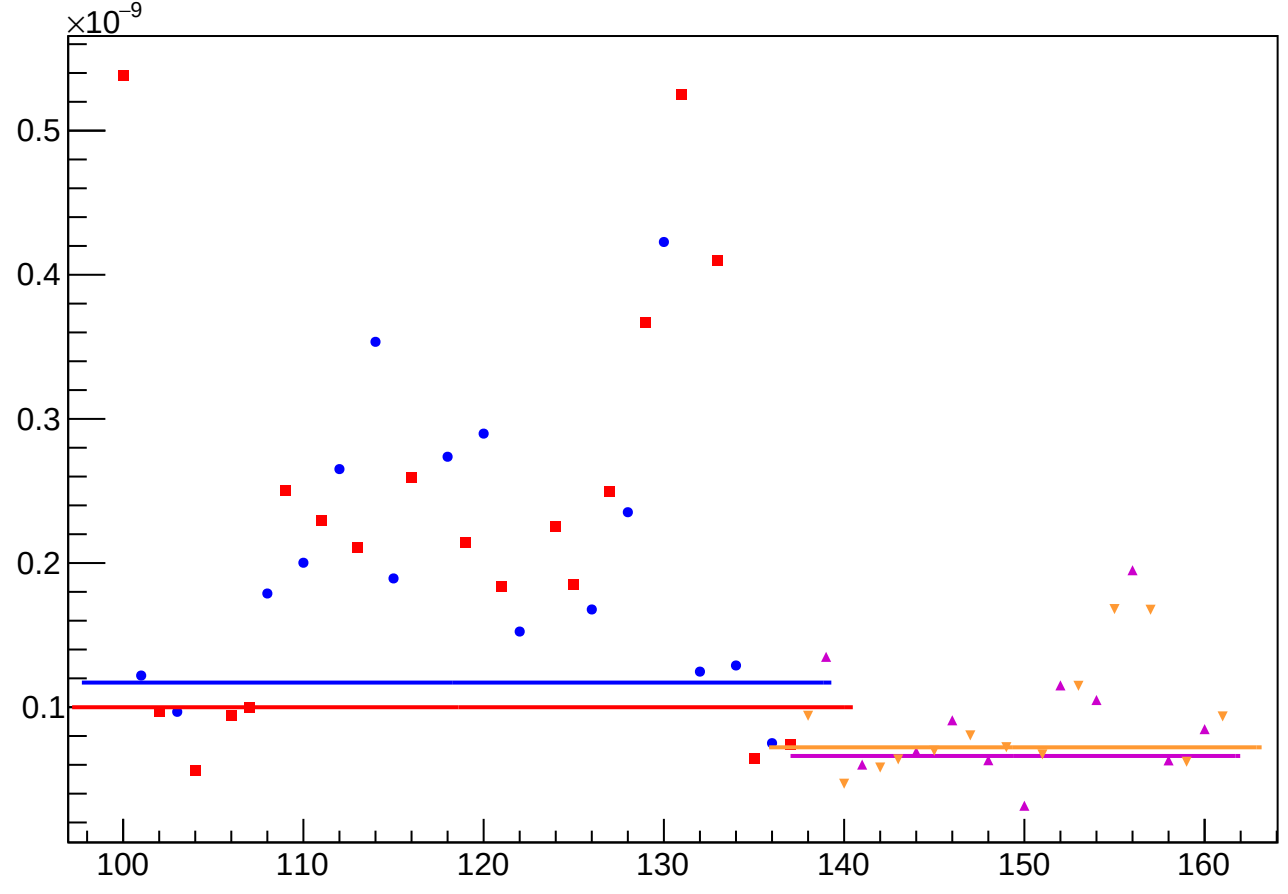
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 33.1/28

All: 0.000+/-0.000 χ^2/NDF: 60.4/58

- sign 0.000+/-0.000 χ^2/NDF: 27.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:853172.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

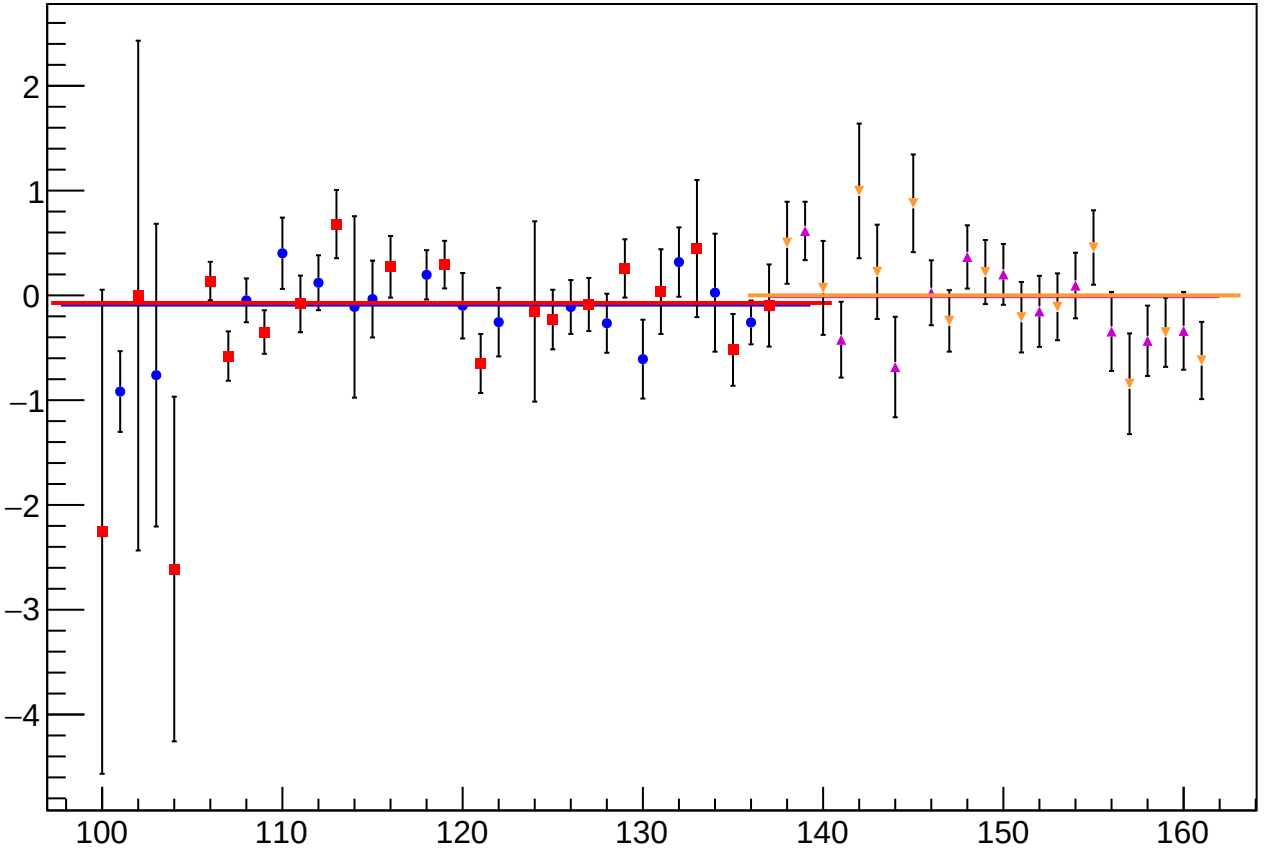
Left In: 0.000+/-0.000 χ^2/NDF:1313922.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 2521165.5/28

All: 0.000+/-0.000 χ^2/NDF: 6071311.6/58

- sign 0.000+/-0.000 χ^2/NDF: 3497869.6/29

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.104 χ^2/NDF:18.3/12

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

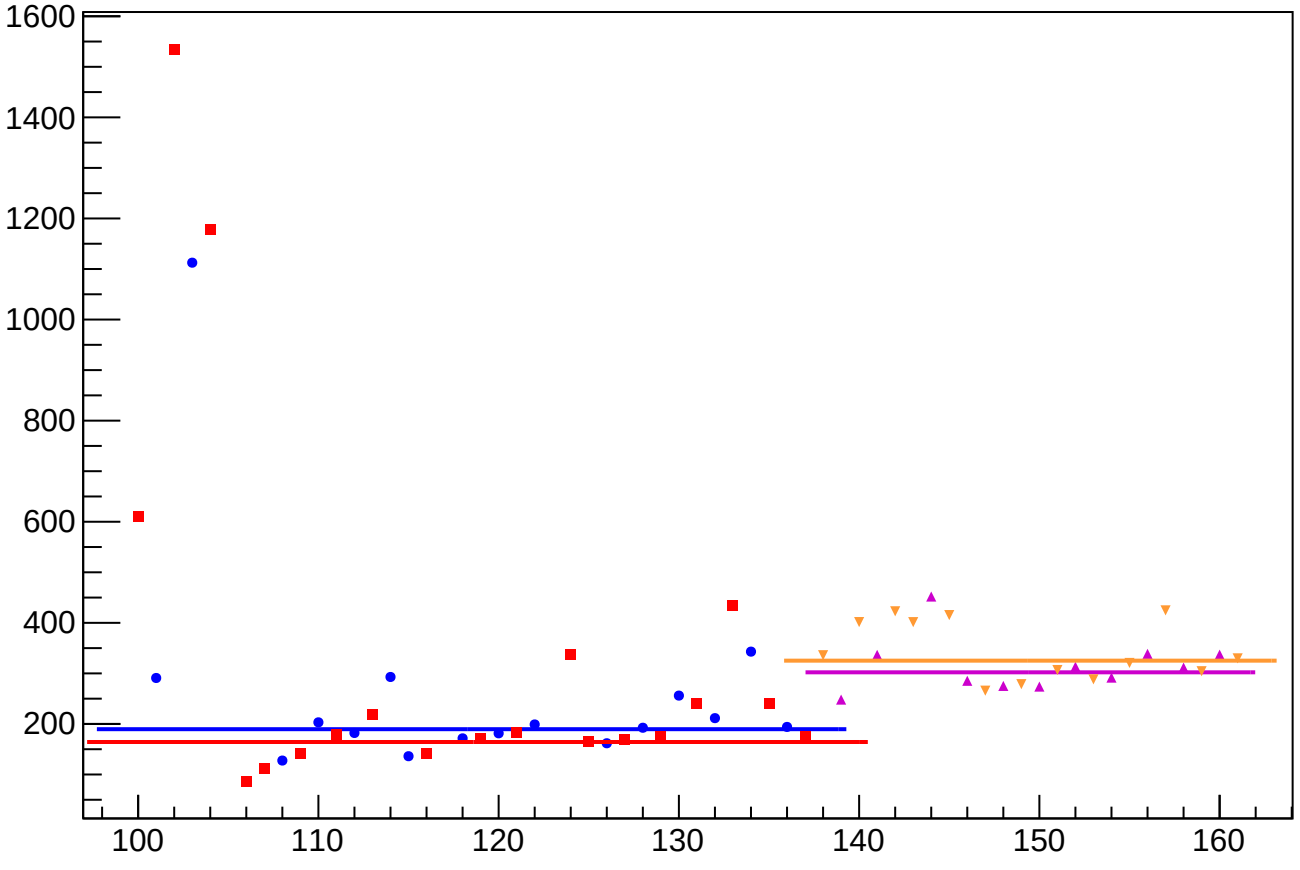
Left In: -0.007+/-0.100 χ^2/NDF:13.9/10

+ sign -0.057+/-0.062 χ^2/NDF: 32.7/28

All: -0.054+/-0.042 χ^2/NDF: 75.5/58

- sign -0.051+/-0.057 χ^2/NDF: 42.8/29

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 325.205+/-0.073 χ^2/NDF:492957.4/12

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

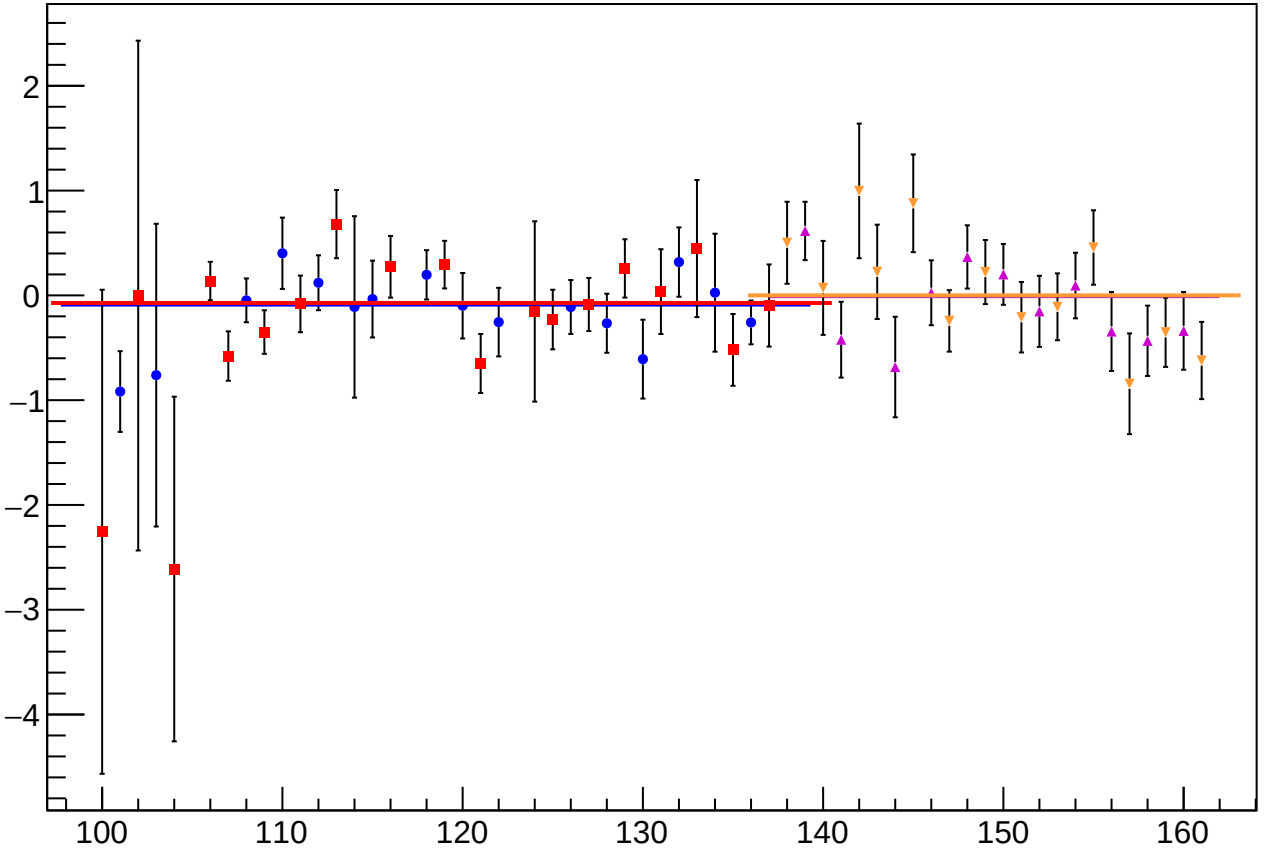
Left In: 302.125+/-0.071 χ^2/NDF:371722.1/10

+ sign 237.699+/-0.044 χ^2/NDF: 4170152.2/28

All: 222.678+/-0.030 χ^2/NDF: 9960358.9/58

- sign 209.698+/-0.041 χ^2/NDF: 5569057.5/29

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: 0.000+/-0.104 χ^2/NDF:18.3/12

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

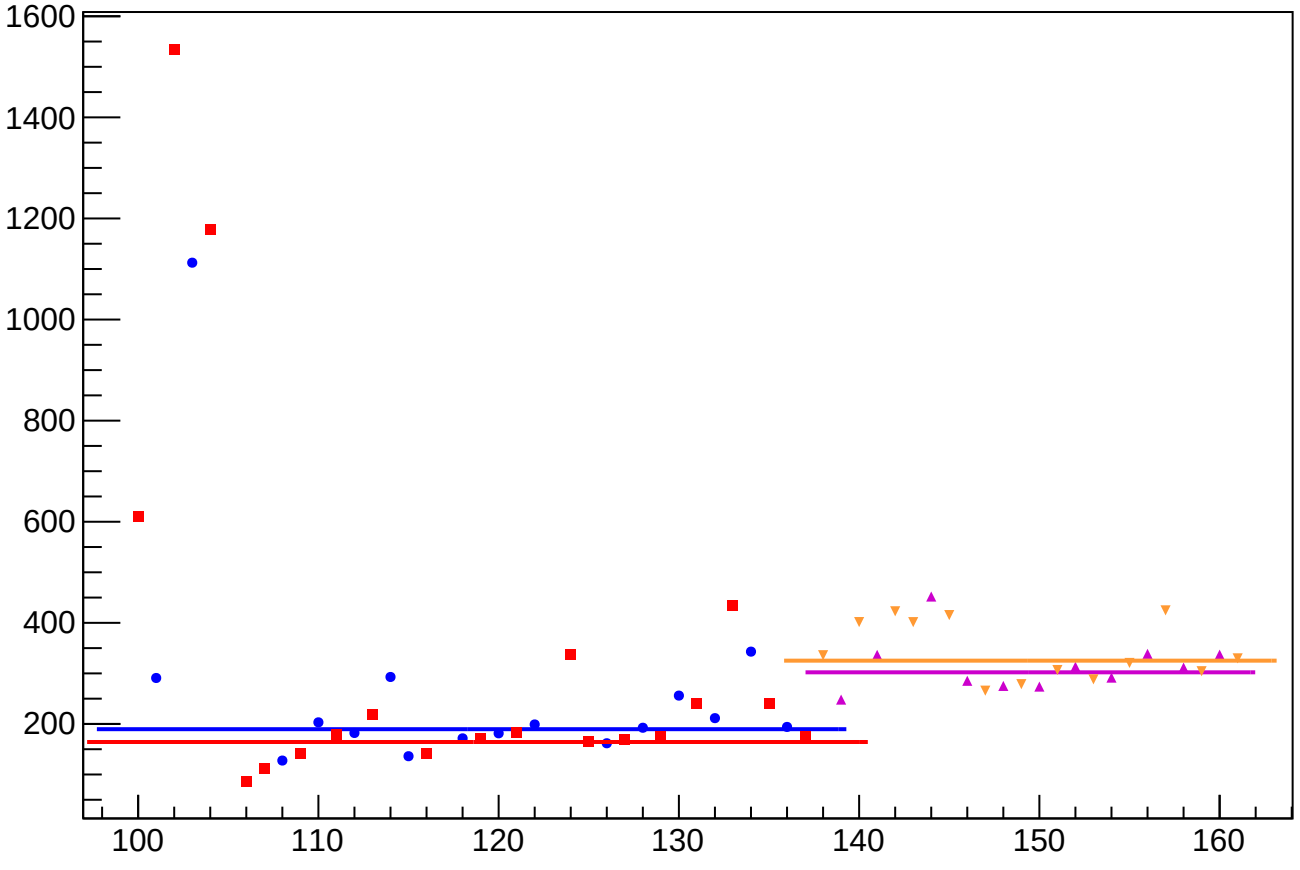
Left In: -0.007+/-0.100 χ^2/NDF:13.9/10

+ sign -0.057+/-0.062 χ^2/NDF: 32.7/28

All: -0.054+/-0.042 χ^2/NDF: 75.5/58

- sign -0.051+/-0.057 χ^2/NDF: 42.8/29

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 325.205+/-0.073 χ^2/NDF:492957.4/12

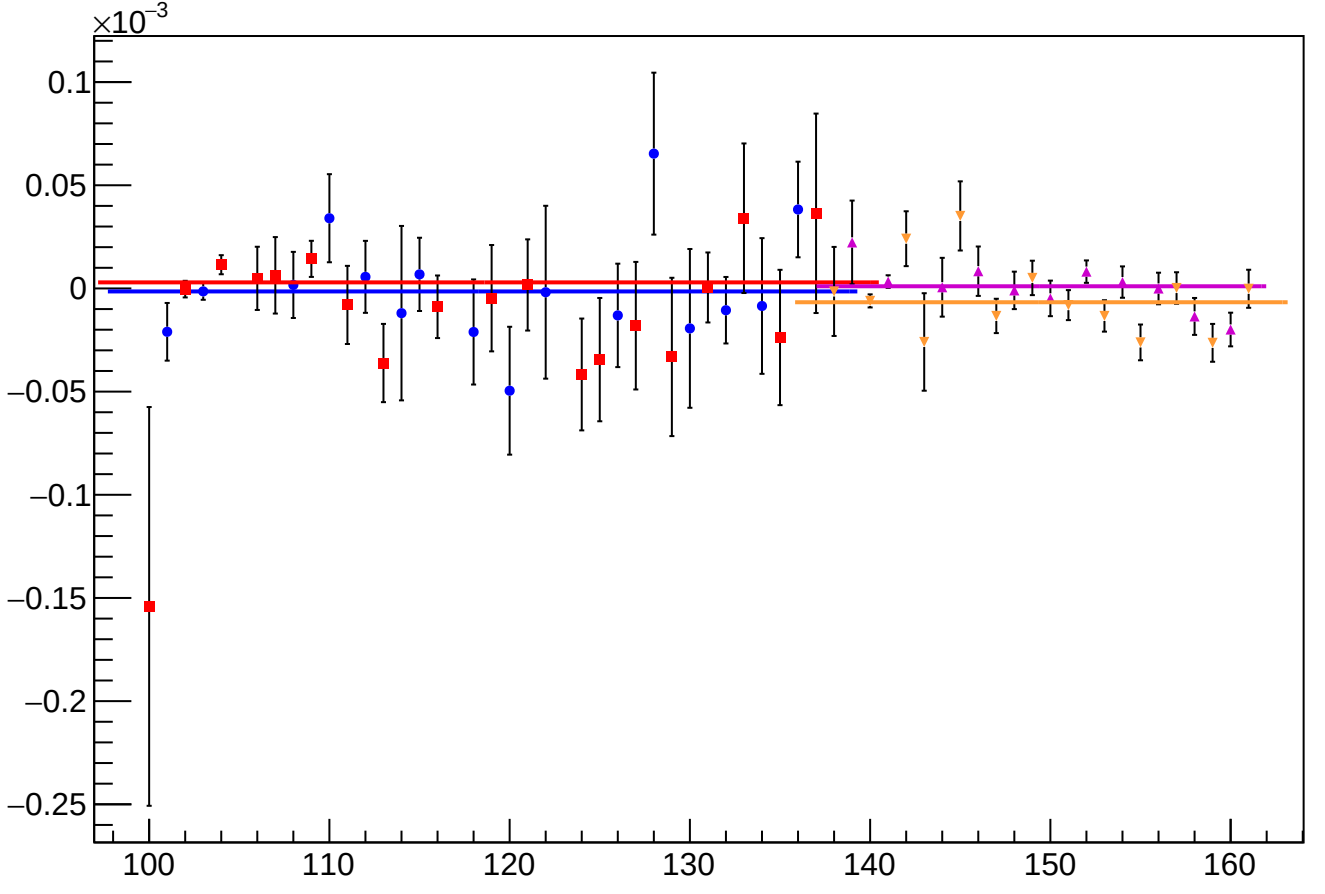
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 302.125+/-0.071 χ^2/NDF:371722.1/10

+ sign 237.699+/-0.044 χ^2/NDF: 4170152.2/28

All: 222.678+/-0.030 χ^2/NDF: 9960358.9/58

- sign 209.698+/-0.041 χ^2/NDF: 5569057.5/29



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/12

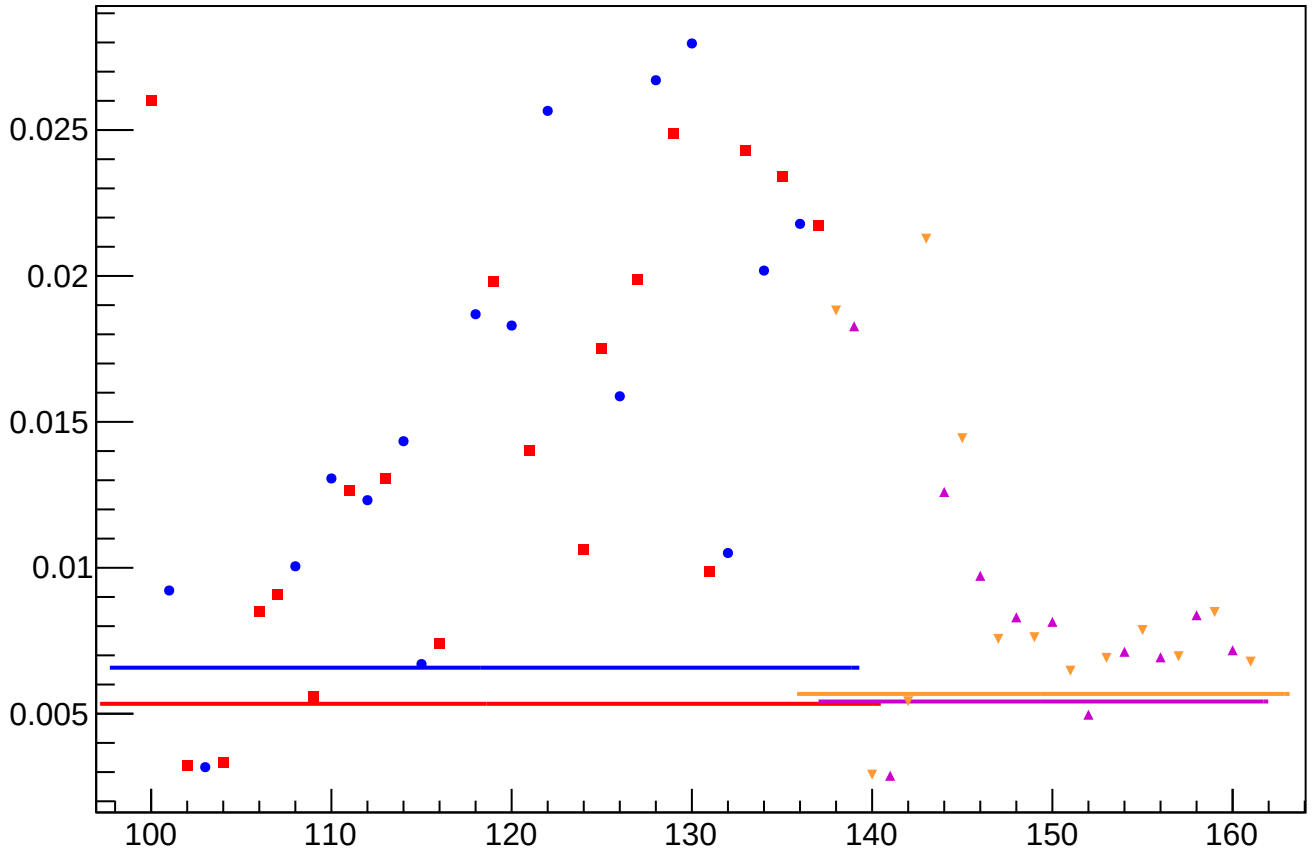
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 43.4/28

All: -0.000+/-0.000 χ^2/NDF: 87.3/58

- sign 0.000+/-0.000 χ^2/NDF: 35.2/29



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:4369943.3/12

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

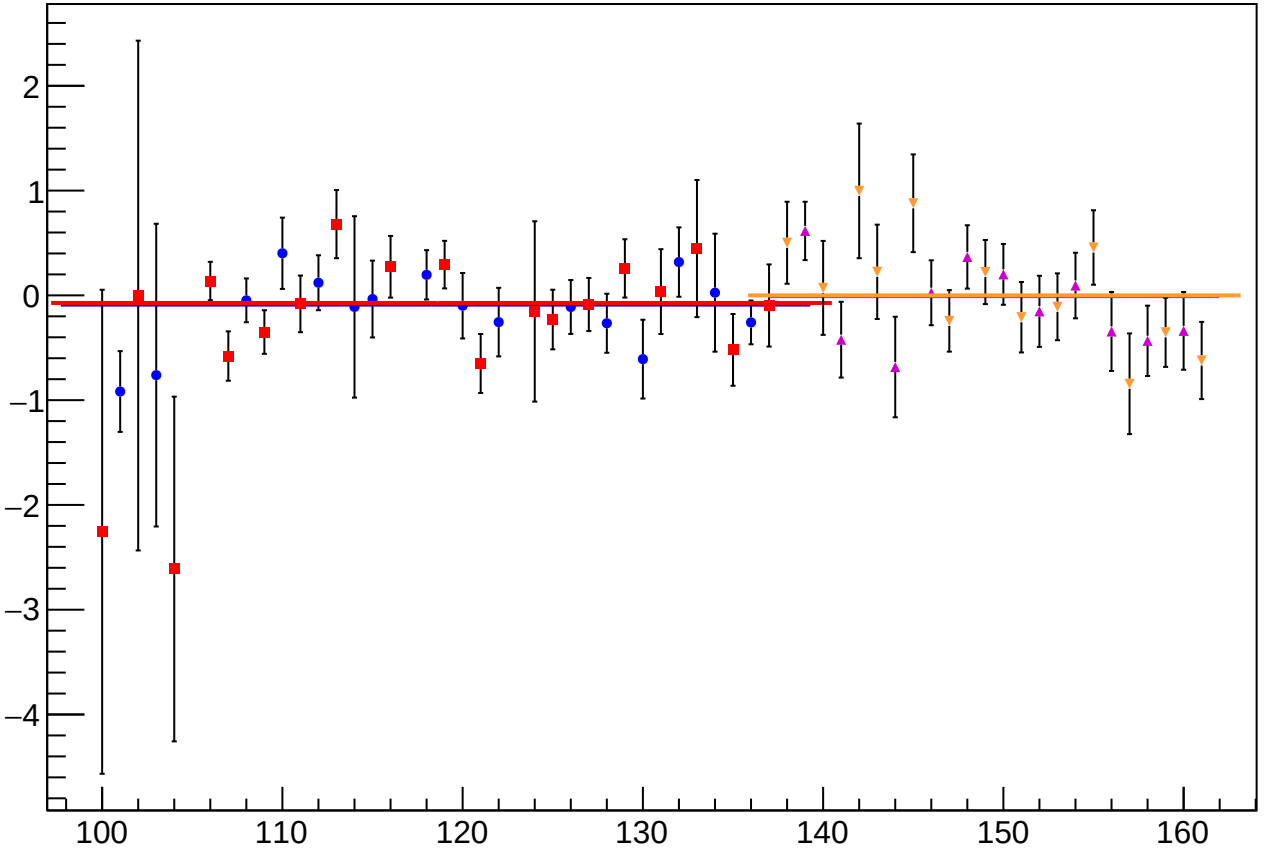
Left In: 0.005+/-0.000 χ^2/NDF:3861443.8/10

+ sign 0.006+/-0.000 χ^2/NDF: 10403615.3/28

All: 0.006+/-0.000 χ^2/NDF: 20057134.6/58

- sign 0.005+/-0.000 χ^2/NDF: 9548522.1/29

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.104 χ^2/NDF:18.3/12

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

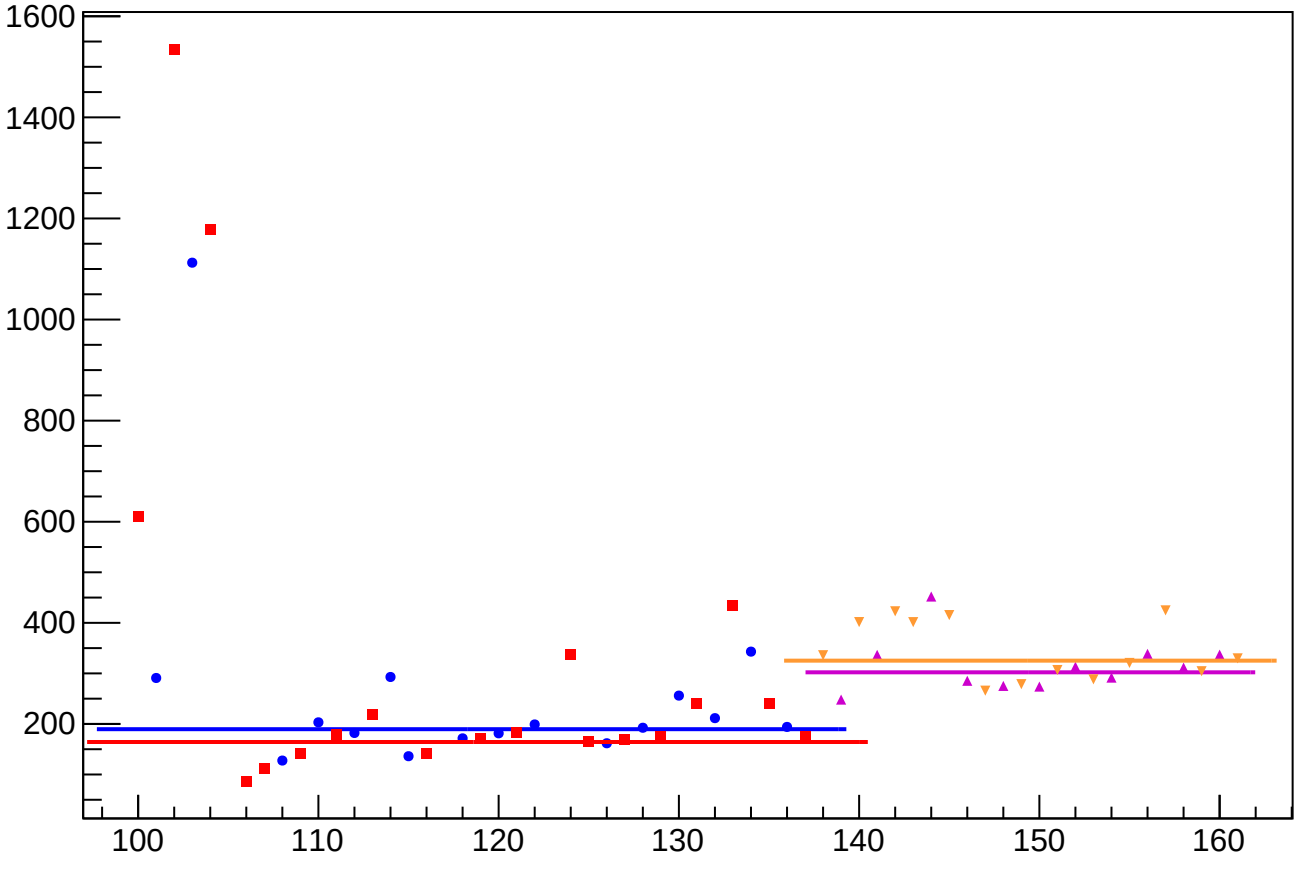
Left In: -0.007+/-0.100 χ^2/NDF:13.9/10

+ sign -0.057+/-0.062 χ^2/NDF: 32.7/28

All: -0.054+/-0.042 χ^2/NDF: 75.5/58

- sign -0.051+/-0.057 χ^2/NDF: 42.8/29

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: 325.209+/-0.073 χ^2/NDF:492942.9/12

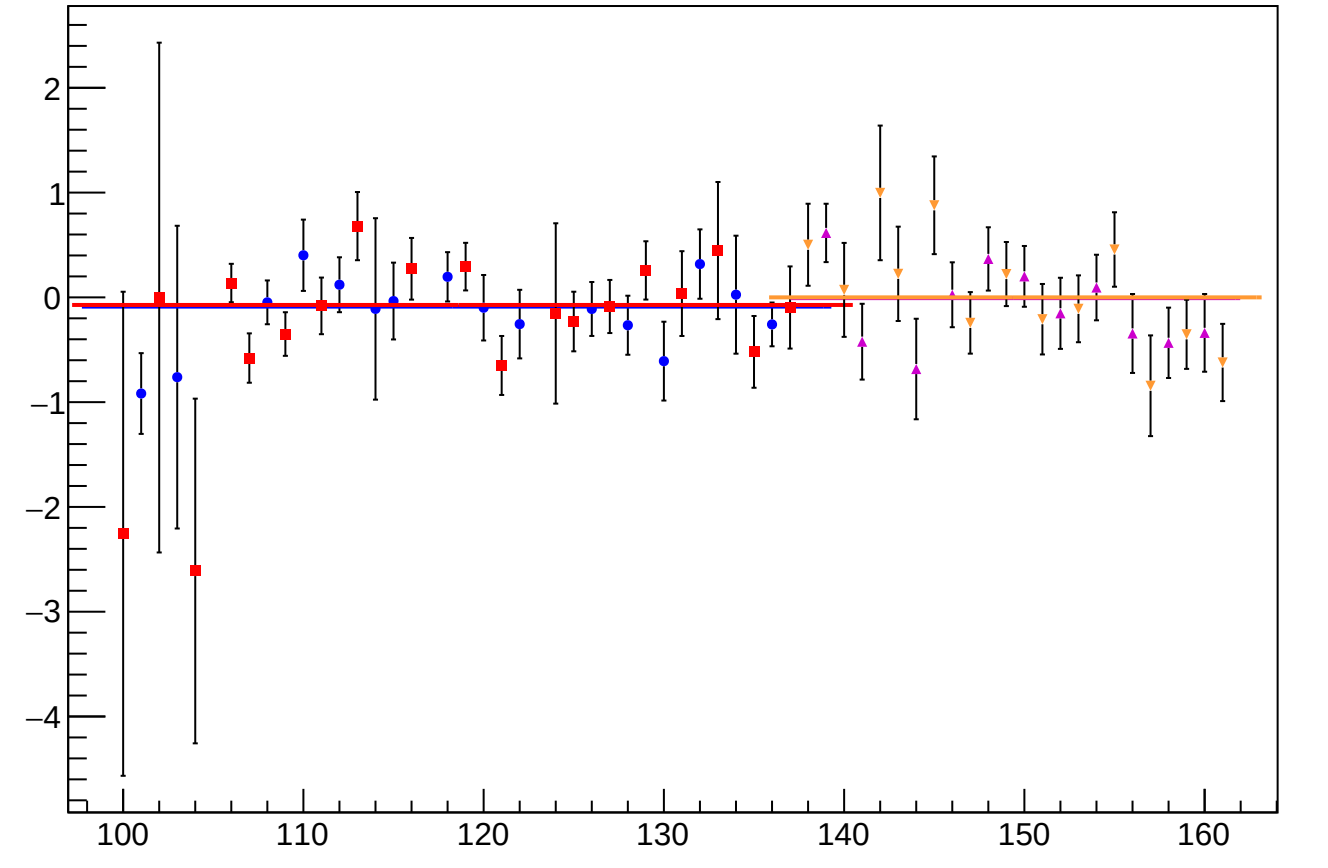
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 302.129+/-0.071 χ^2/NDF:371703.2/10

+ sign 237.699+/-0.044 χ^2/NDF: 4170254.2/28

All: 222.678+/-0.030 χ^2/NDF: 9960556.7/58

- sign 209.698+/-0.041 χ^2/NDF: 5569148.8/29



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.104 χ^2/NDF:18.3/12

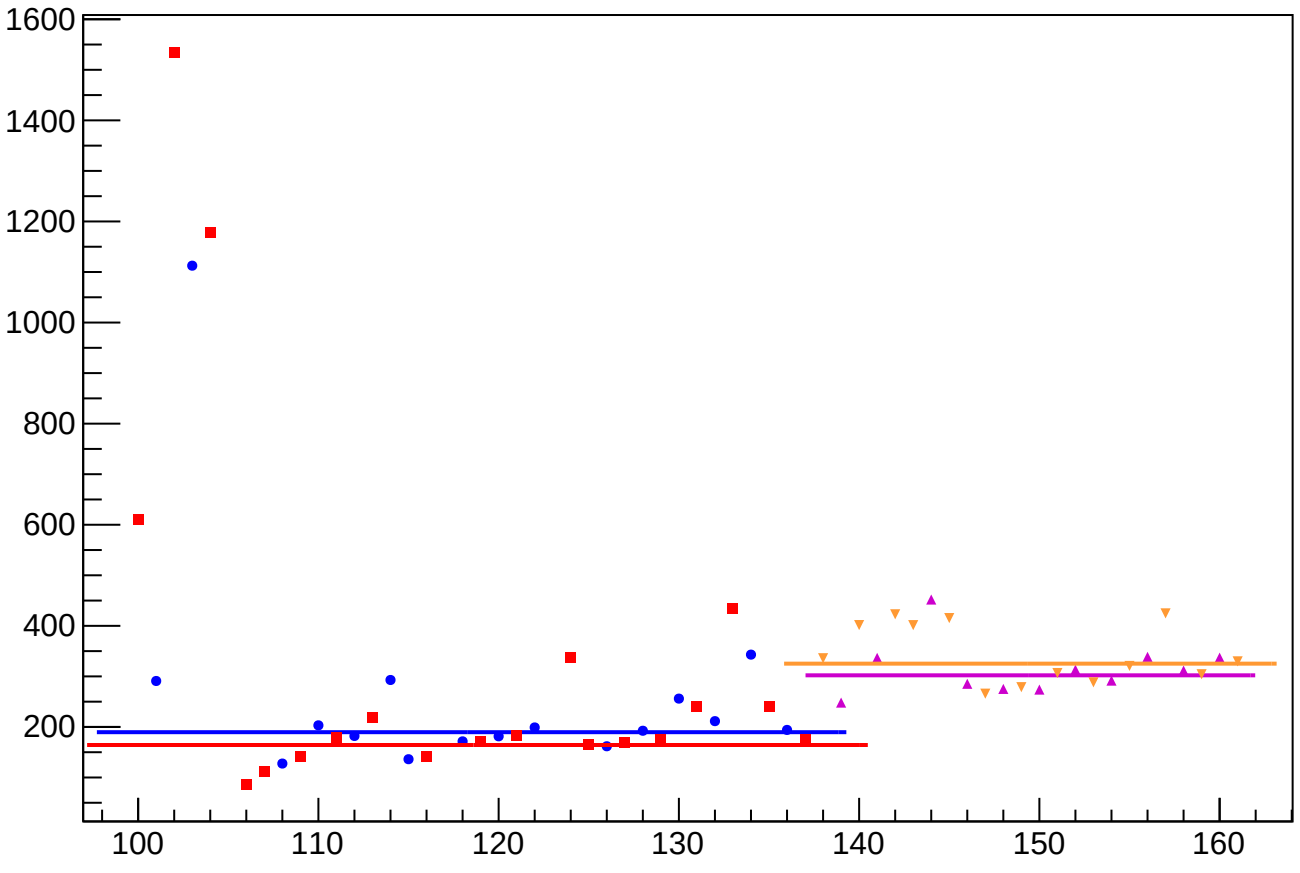
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.007+/-0.100 χ^2/NDF:13.9/10

+ sign -0.057+/-0.062 χ^2/NDF: 32.7/28

All: -0.054+/-0.042 χ^2/NDF: 75.5/58

- sign -0.051+/-0.057 χ^2/NDF: 42.8/29



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 325.209+/-0.073 χ^2/NDF:492942.9/12

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

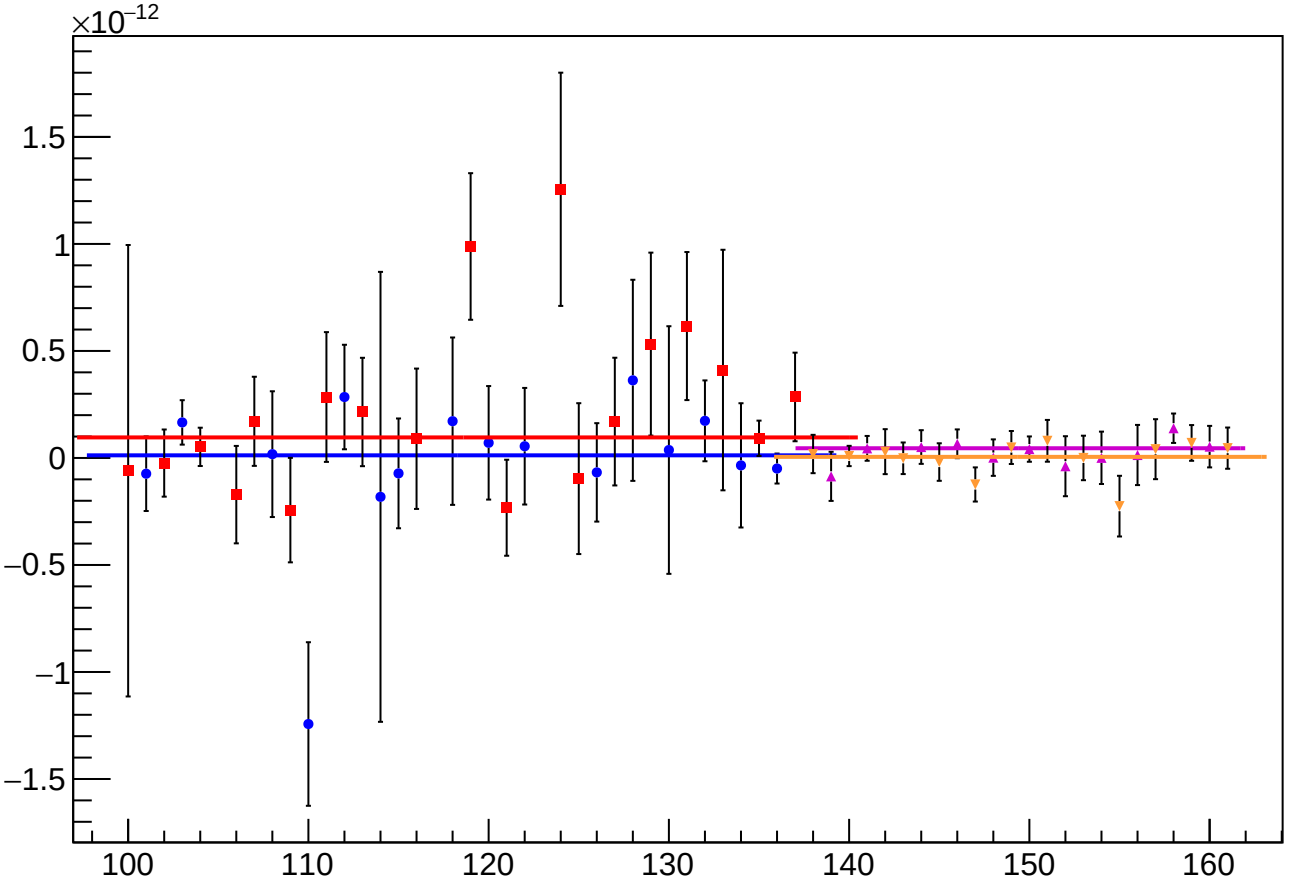
Left In: 302.129+/-0.071 χ^2/NDF:371703.2/10

+ sign 237.699+/-0.044 χ^2/NDF: 4170254.2/28

All: 222.678+/-0.030 χ^2/NDF: 9960556.7/58

- sign 209.698+/-0.041 χ^2/NDF: 5569148.8/29

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

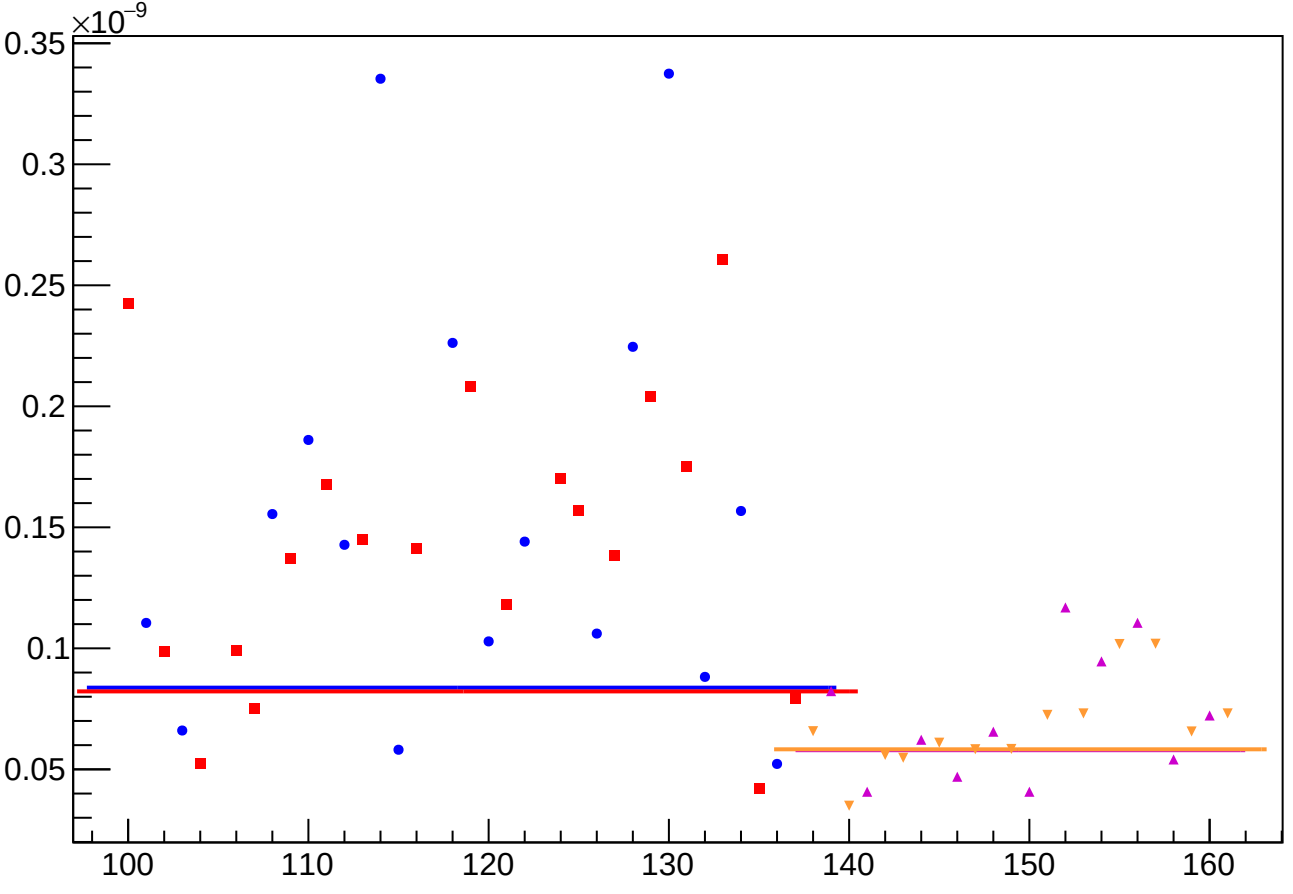
Left In: 0.000+/-0.000 χ^2/NDF:4.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 24.3/28

All: 0.000+/-0.000 χ^2/NDF: 55.4/58

- sign 0.000+/-0.000 χ^2/NDF: 28.2/29

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:1033583.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

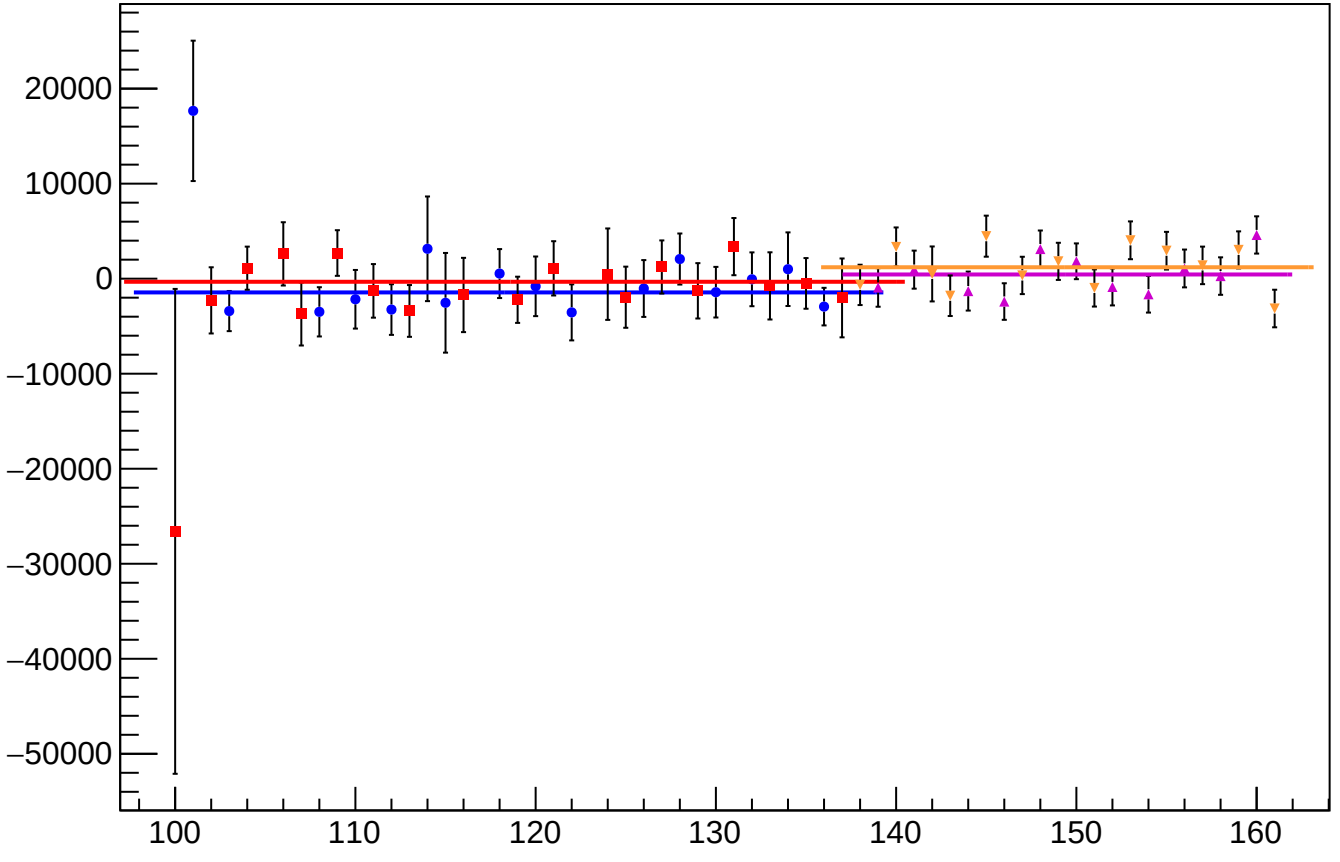
Left In: 0.000+/-0.000 χ^2/NDF:1373624.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 3638518.6/28

All: 0.000+/-0.000 χ^2/NDF: 7737441.5/58

- sign 0.000+/-0.000 χ^2/NDF: 4098921.7/29

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1202.109+/-570.163 χ^2/NDF:16.2/12

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

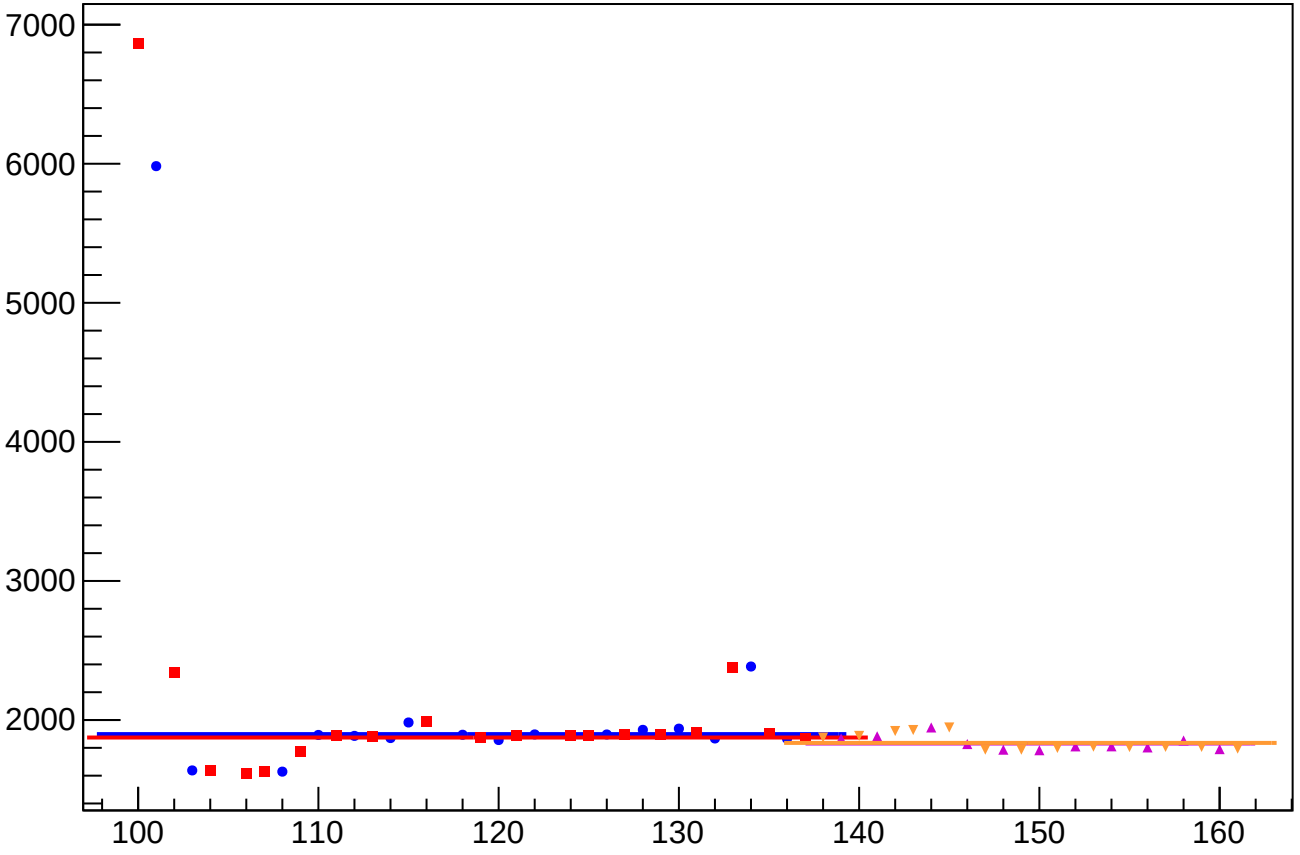
Left In: 442.258+/-592.455 χ^2/NDF:12.1/10

+ sign 186.751+/-447.733 χ^2/NDF: 38.0/28

All: 155.276+/-318.419 χ^2/NDF: 60.7/58

- sign 123.064+/-452.937 χ^2/NDF: 22.7/29

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1835.515+/-0.403 χ^2/NDF:18380.9/12

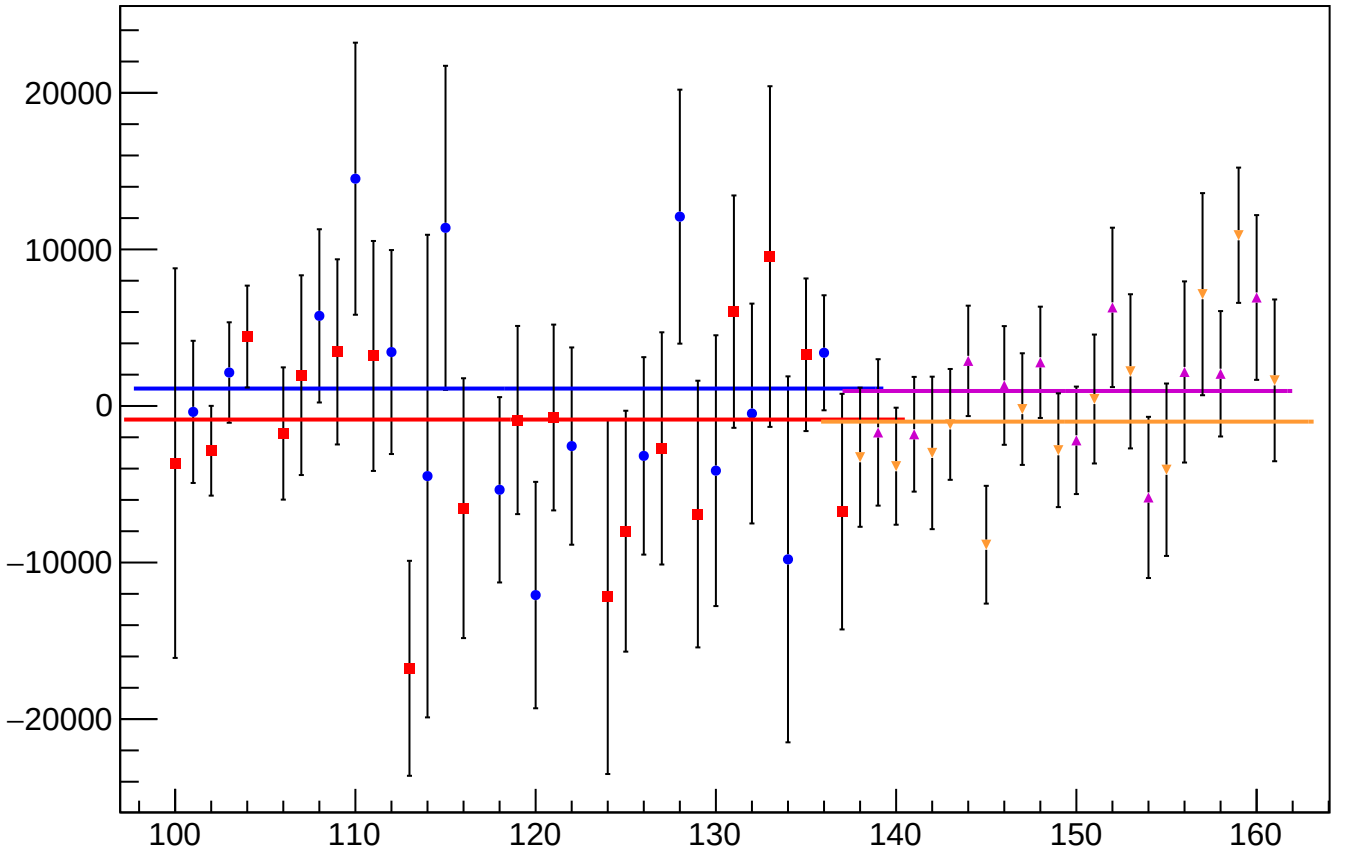
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1831.203+/-0.419 χ^2/NDF:12599.4/10

+ sign 1859.785+/-0.317 χ^2/NDF: 725348.3/28

All: 1854.527+/-0.225 χ^2/NDF: 950567.7/58

- sign 1849.161+/-0.320 χ^2/NDF: 224662.1/29



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -999.945+/-1180.517 χ^2/NDF:16.0/12

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

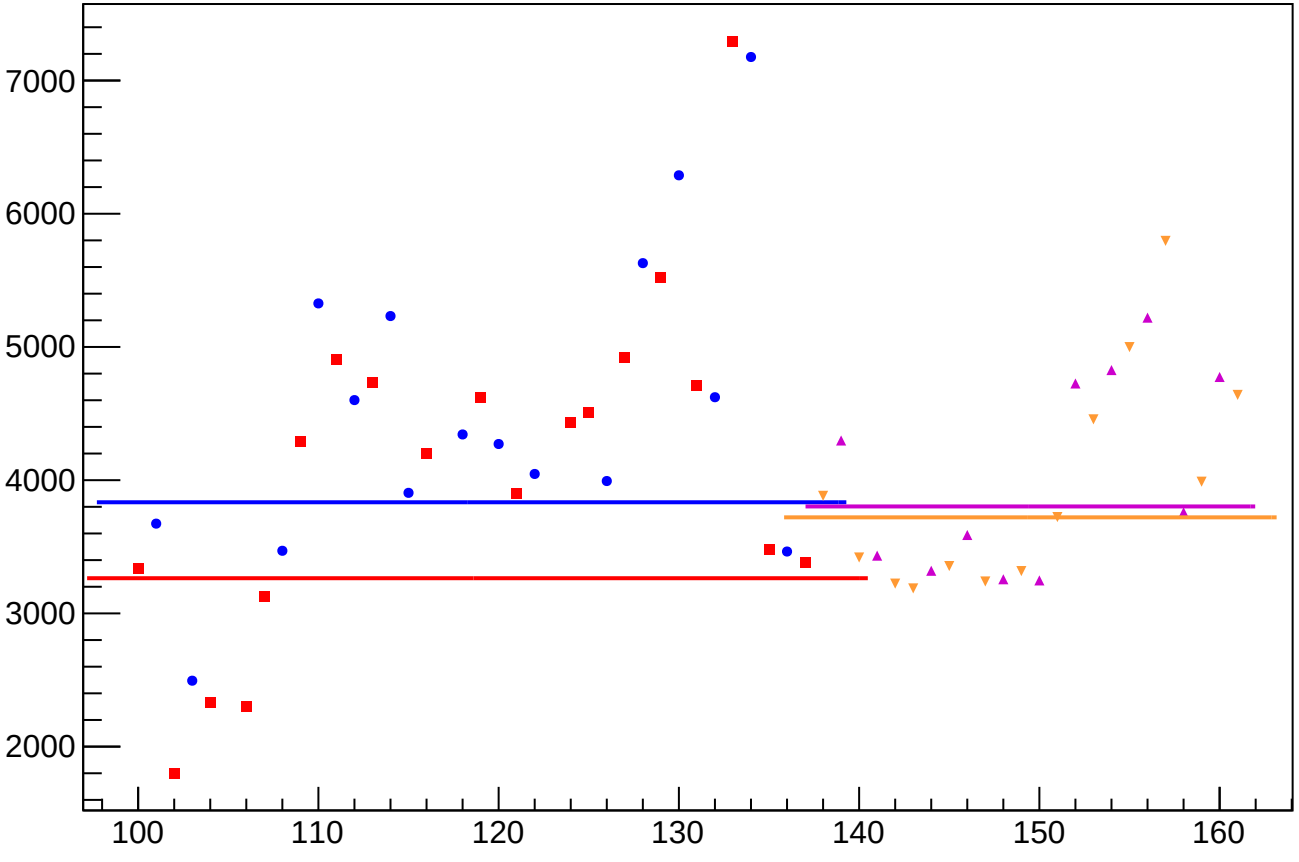
Left In: 957.321+/-1251.064 χ^2/NDF:6.6/10

+ sign -177.958+/-922.709 χ^2/NDF: 30.6/28

All: -43.660+/-645.678 χ^2/NDF: 53.8/58

- sign 85.200+/-903.838 χ^2/NDF: 23.2/29

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3720.964+/-0.835 χ^2/NDF:592021.3/12

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

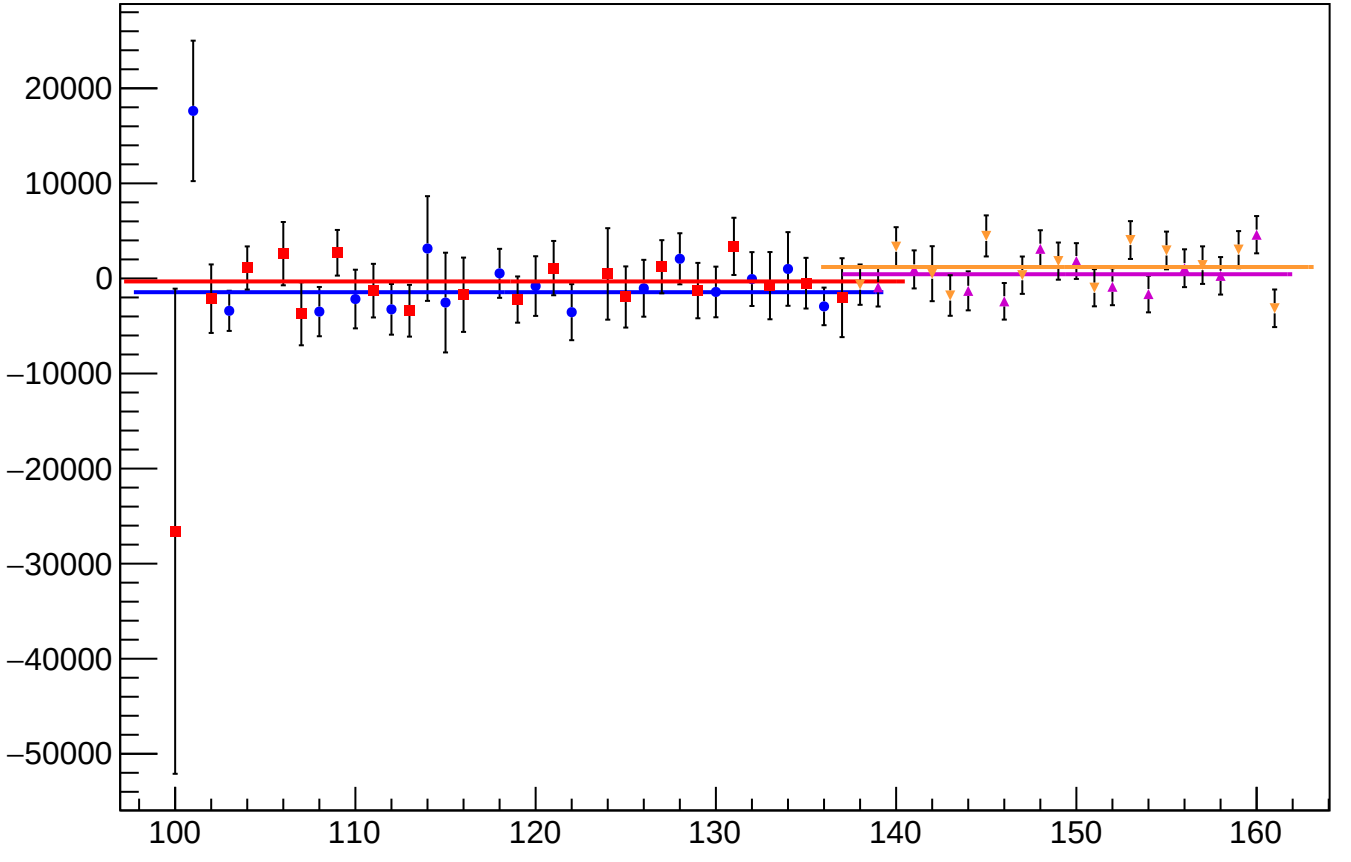
Left In: 3802.809+/-0.885 χ^2/NDF:519556.5/10

+ sign 3765.007+/-0.652 χ^2/NDF: 1555952.0/28

All: 3652.874+/-0.457 χ^2/NDF: 4174903.0/58

- sign 3545.280+/-0.639 χ^2/NDF: 2561071.8/29

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1202.251+/-570.163 χ^2/NDF:16.2/12

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

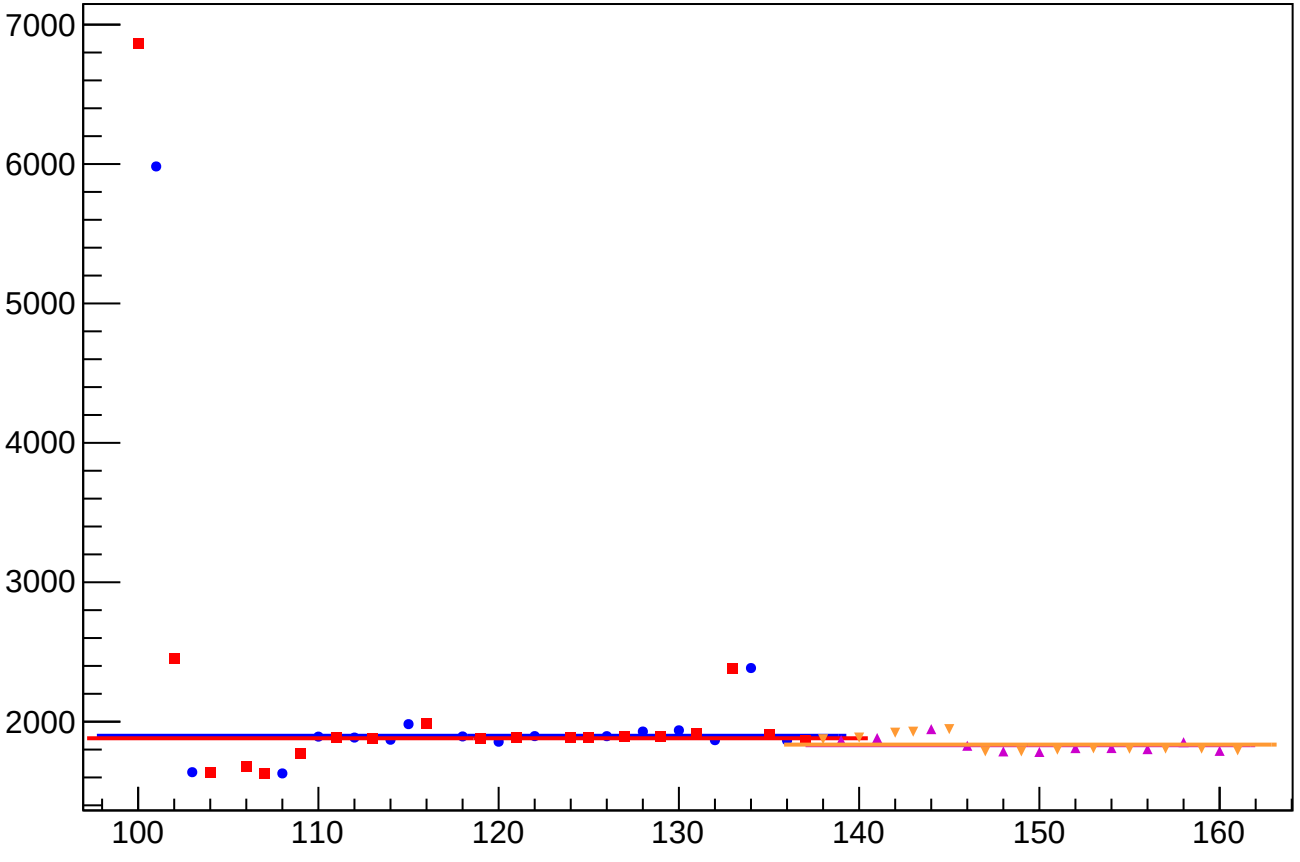
Left In: 442.285+/-592.455 χ^2/NDF:12.1/10

+ sign 186.691+/-447.733 χ^2/NDF: 38.0/28

All: 157.659+/-318.507 χ^2/NDF: 60.6/58

- sign 127.916+/-453.190 χ^2/NDF: 22.7/29

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1835.516+/-0.403 χ^2/NDF:18380.9/12

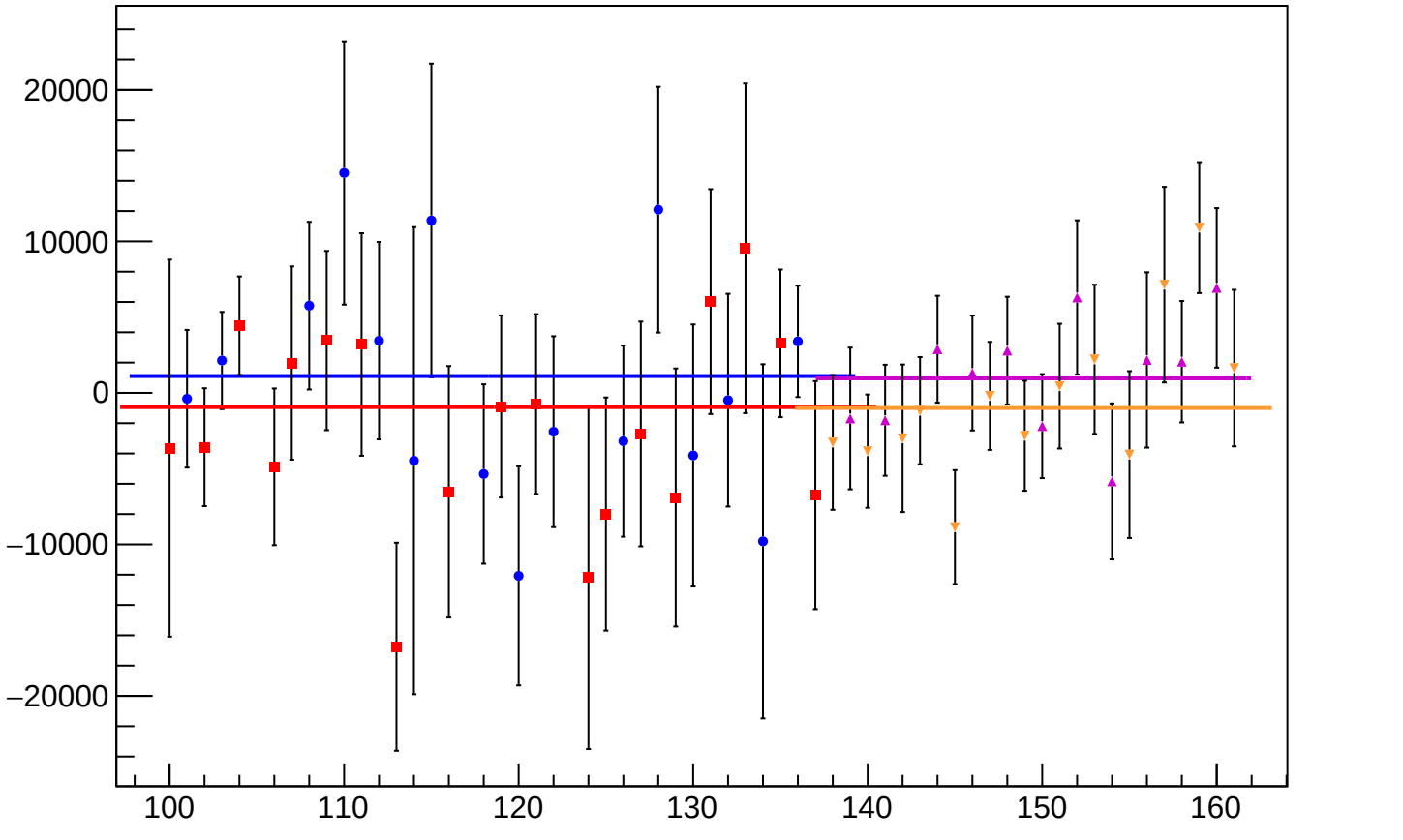
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1831.203+/-0.419 χ^2/NDF:12599.4/10

+ sign 1859.785+/-0.317 χ^2/NDF: 725348.4/28

All: 1855.889+/-0.225 χ^2/NDF: 960692.7/58

- sign 1851.903+/-0.320 χ^2/NDF: 235037.9/29



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -999.879+/-1180.516 χ^2/NDF:16.0/12

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

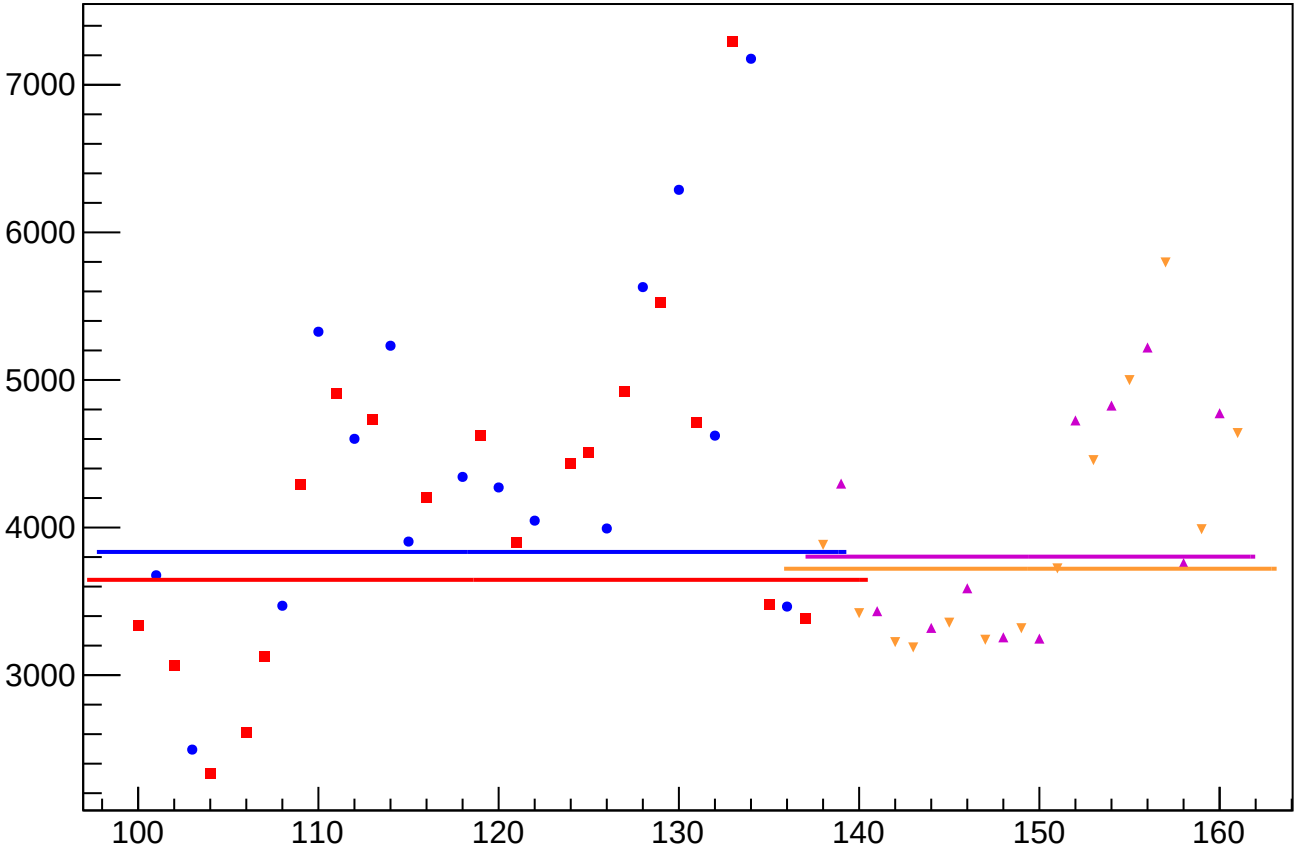
Left In: 957.439+/-1251.063 χ^2/NDF:6.6/10

+ sign -178.492+/-922.751 χ^2/NDF: 30.6/28

All: -33.797+/-655.925 χ^2/NDF: 54.4/58

- sign 113.992+/-932.565 χ^2/NDF: 23.8/29

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3720.961+/-0.835 χ^2/NDF:592020.3/12

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

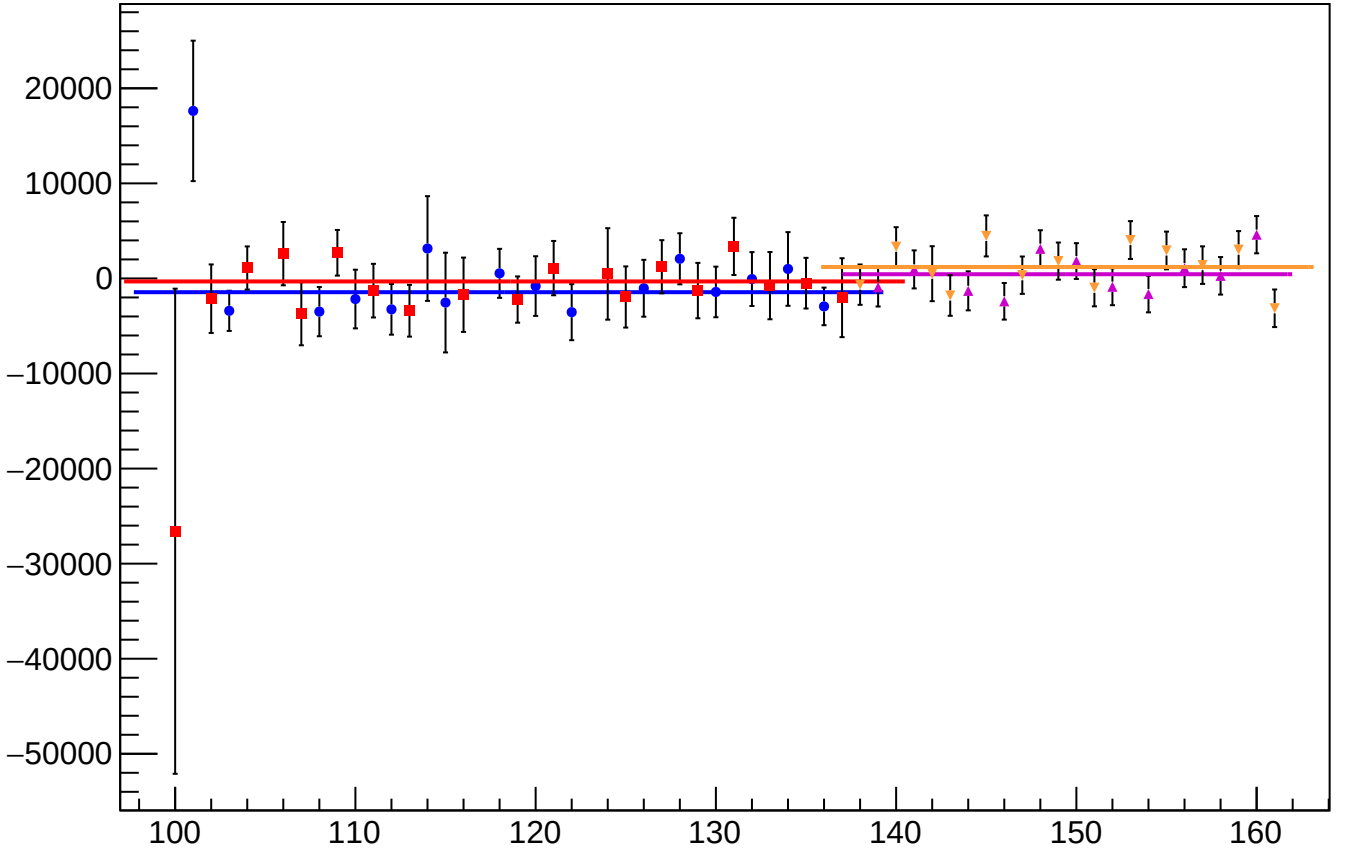
Left In: 3802.803+/-0.885 χ^2/NDF:519565.9/10

+ sign 3765.204+/-0.652 χ^2/NDF: 1555553.6/28

All: 3749.267+/-0.464 χ^2/NDF: 3215322.9/58

- sign 3732.989+/-0.659 χ^2/NDF: 1658563.4/29

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1202.251+/-570.163 χ^2/NDF:16.2/12

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

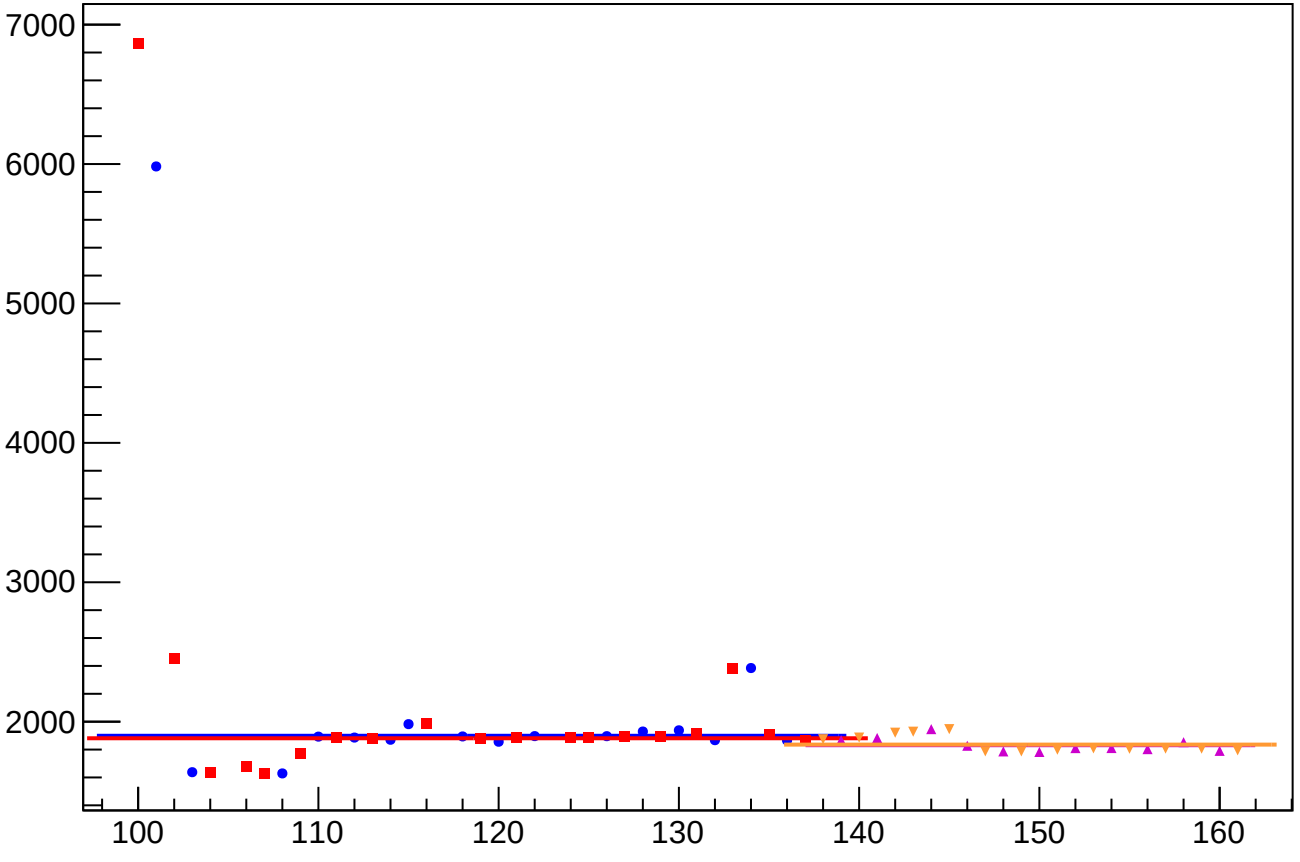
Left In: 442.285+/-592.455 χ^2/NDF:12.1/10

\+ sign 186.691+/-447.733 χ^2/NDF: 38.0/28

All: 157.659+/-318.507 χ^2/NDF: 60.6/58

\- sign 127.916+/-453.190 χ^2/NDF: 22.7/29

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1835.516+/-0.403 χ^2/NDF:18380.9/12

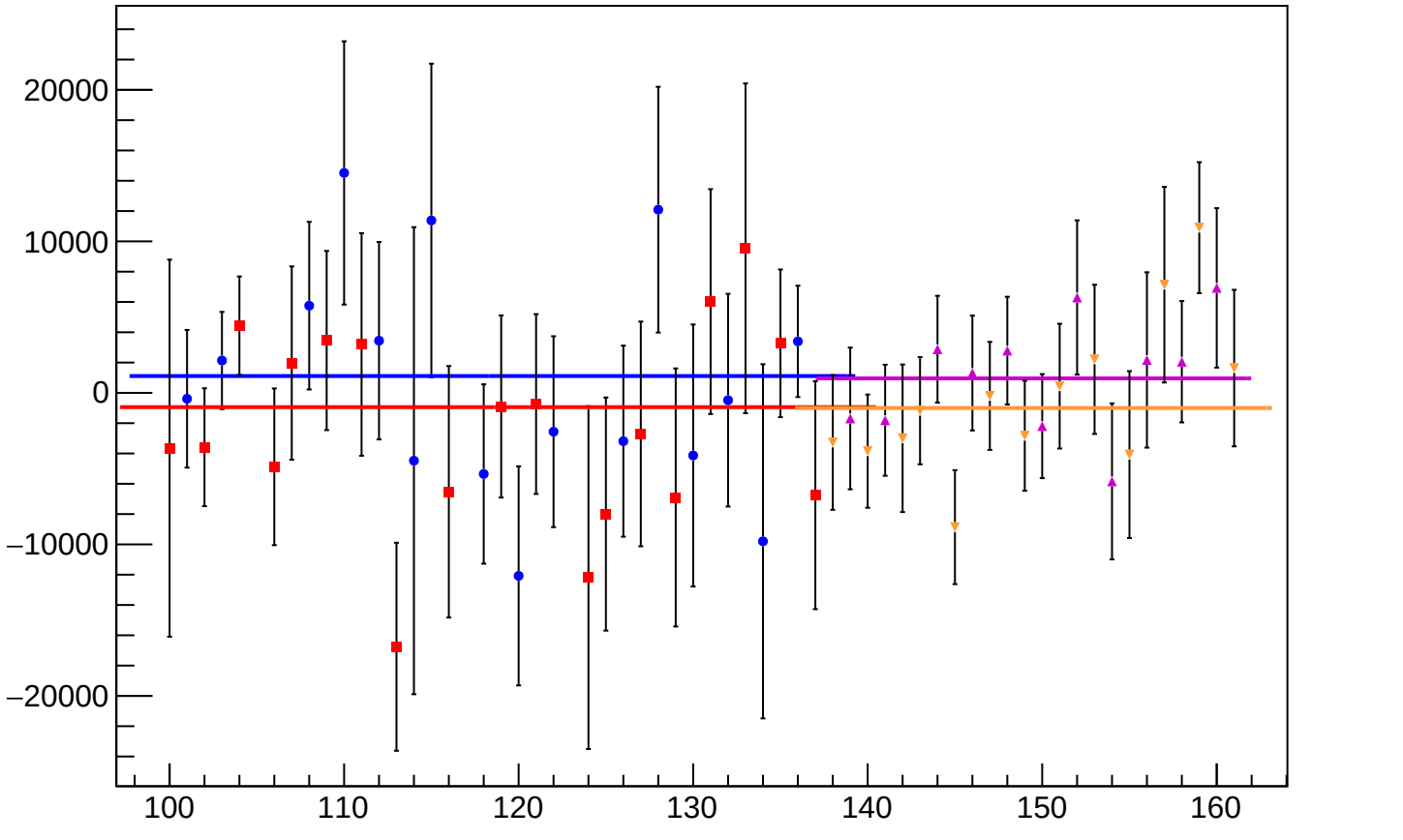
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1831.203+/-0.419 χ^2/NDF:12599.4/10

+ sign 1859.785+/-0.317 χ^2/NDF: 725348.4/28

All: 1855.889+/-0.225 χ^2/NDF: 960692.7/58

- sign 1851.903+/-0.320 χ^2/NDF: 235037.9/29



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -999.879+/-1180.516 χ^2/NDF:16.0/12

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

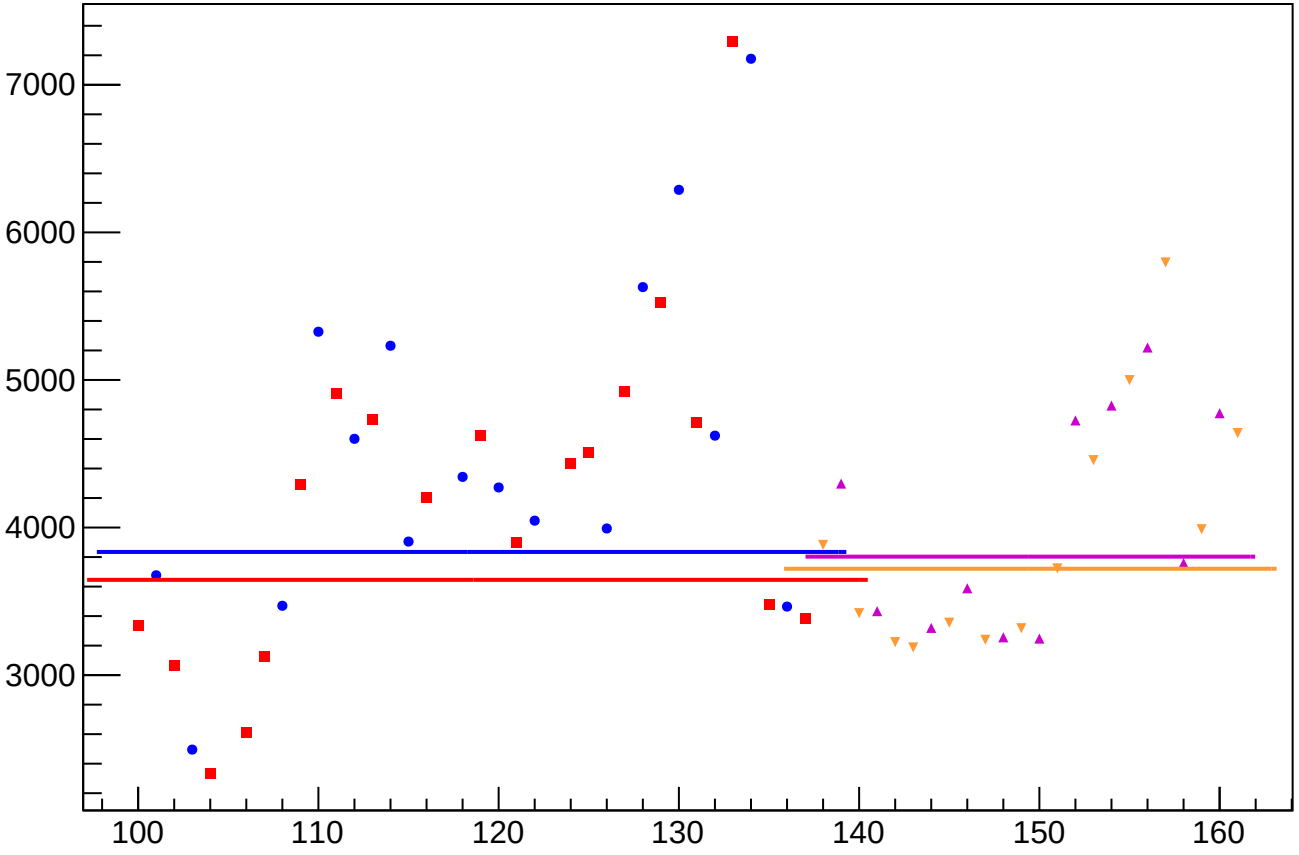
Left In: 957.439+/-1251.063 χ^2/NDF:6.6/10

\+ sign -178.492+/-922.751 χ^2/NDF: 30.6/28

All: -33.797+/-655.925 χ^2/NDF: 54.4/58

\- sign 113.992+/-932.565 χ^2/NDF: 23.8/29

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3720.961+/-0.835 χ^2/NDF:592020.3/12

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

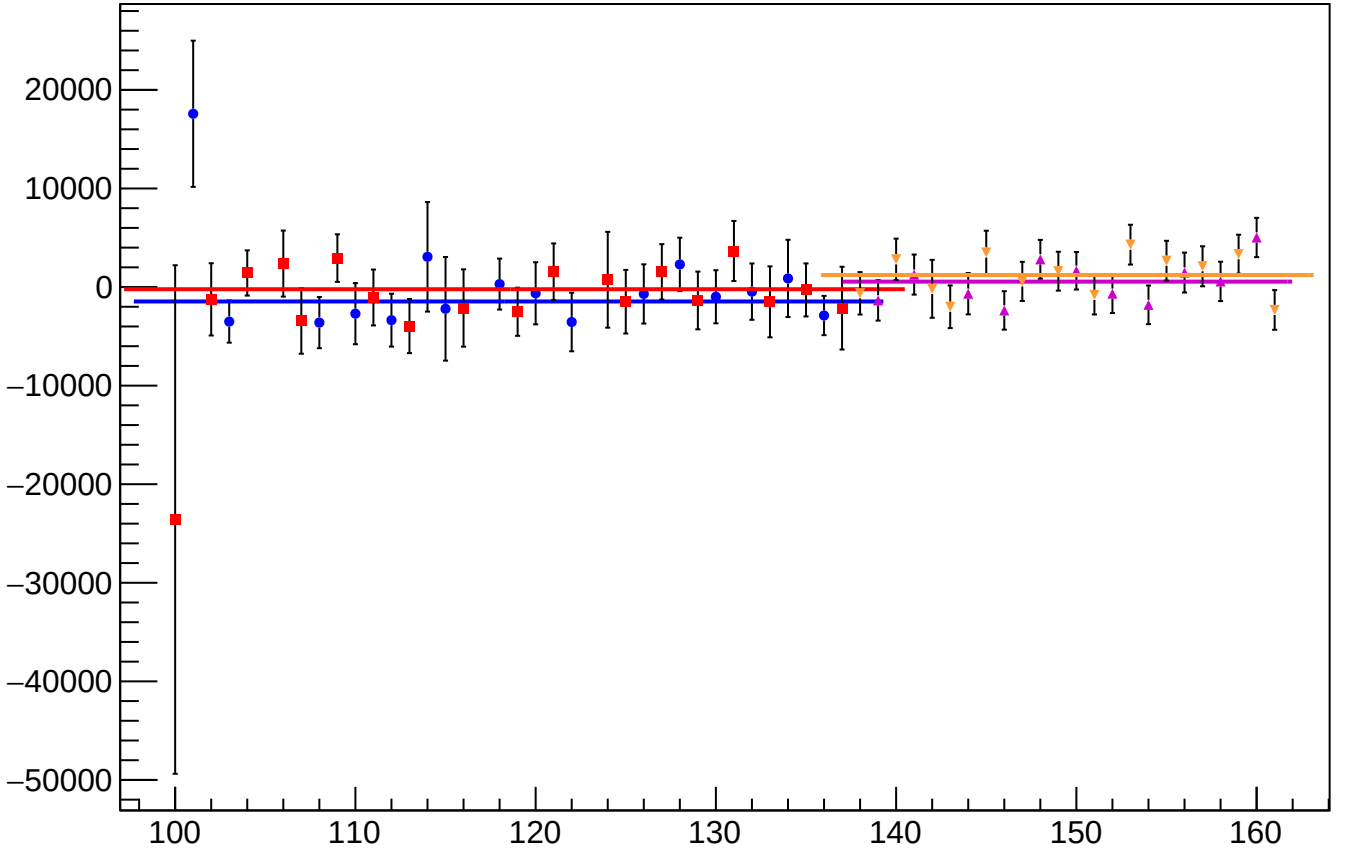
Left In: 3802.803+/-0.885 χ^2/NDF:519565.9/10

+ sign 3765.204+/-0.652 χ^2/NDF: 1555553.6/28

All: 3749.267+/-0.464 χ^2/NDF: 3215322.9/58

- sign 3732.989+/-0.659 χ^2/NDF: 1658563.4/29

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1220.559+/-579.653 χ^2/NDF:13.3/12

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

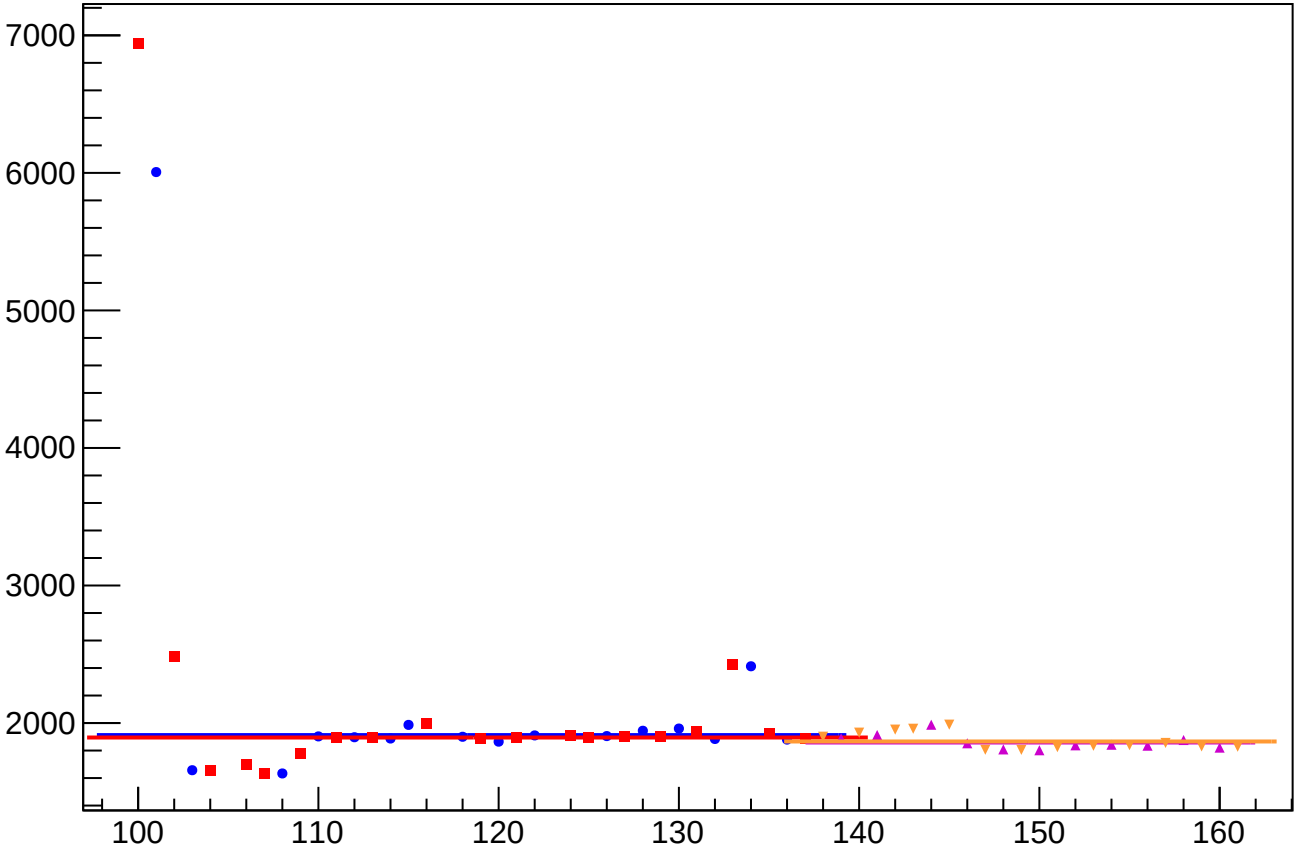
Left In: 549.454+/-601.317 χ^2/NDF:12.3/10

+ sign 179.967+/-453.533 χ^2/NDF: 35.1/28

All: 203.508+/-322.456 χ^2/NDF: 58.9/58

- sign 227.574+/-458.552 χ^2/NDF: 23.8/29

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1865.922+/-0.410 χ^2/NDF:20771.1/12

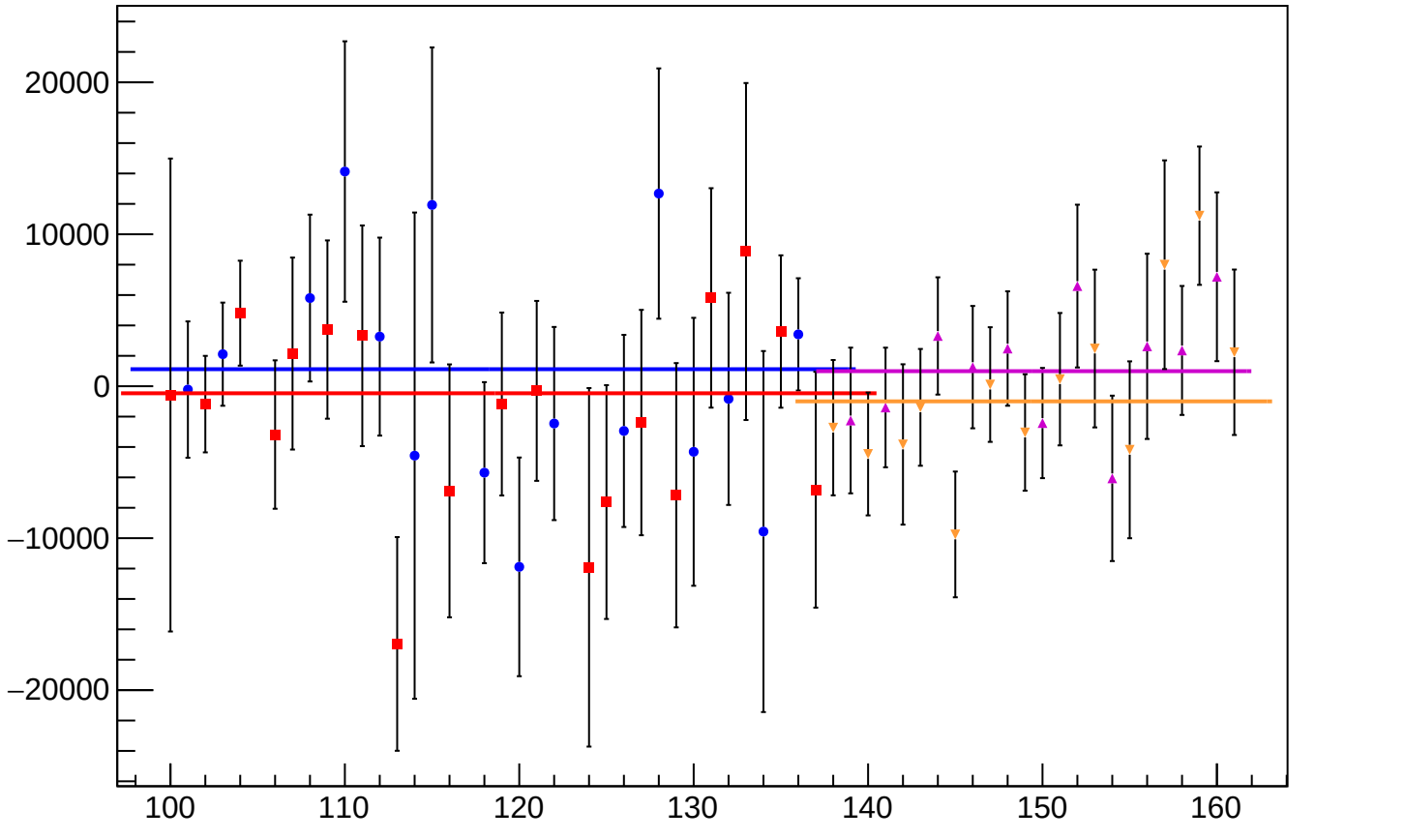
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1858.507+/-0.425 χ^2/NDF:14020.3/10

+ sign 1883.938+/-0.321 χ^2/NDF: 721973.5/28

All: 1878.872+/-0.228 χ^2/NDF: 959326.4/58

- sign 1873.698+/-0.324 χ^2/NDF: 236848.6/29



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -995.768+/-1255.380 χ^2/NDF:16.2/12

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

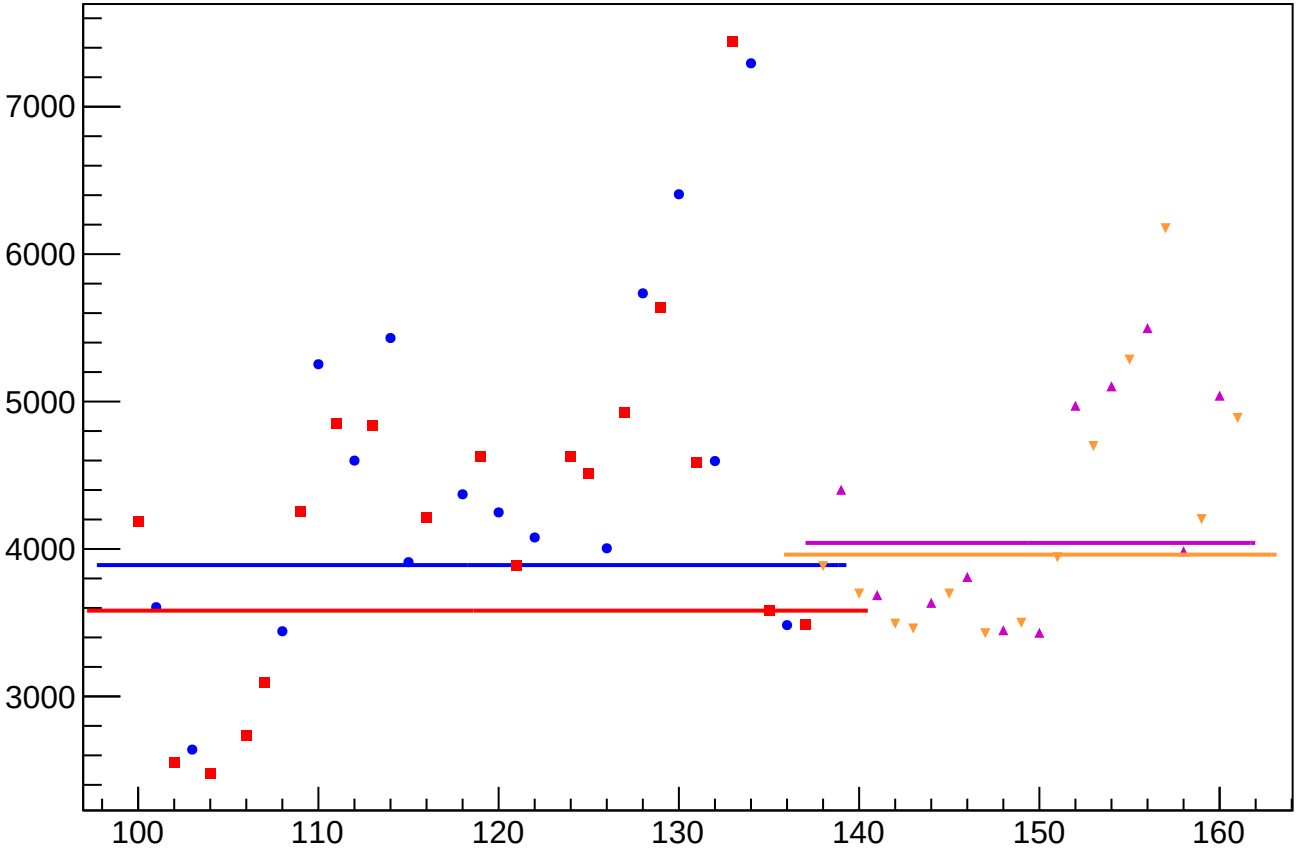
Left In: 990.999+/-1328.130 χ^2/NDF:6.4/10

+ sign -122.586+/-962.093 χ^2/NDF: 30.8/28

All: 83.628+/-677.374 χ^2/NDF: 52.9/58

- sign 286.329+/-953.864 χ^2/NDF: 22.0/29

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3961.694+/-0.888 χ^2/NDF:551129.6/12

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

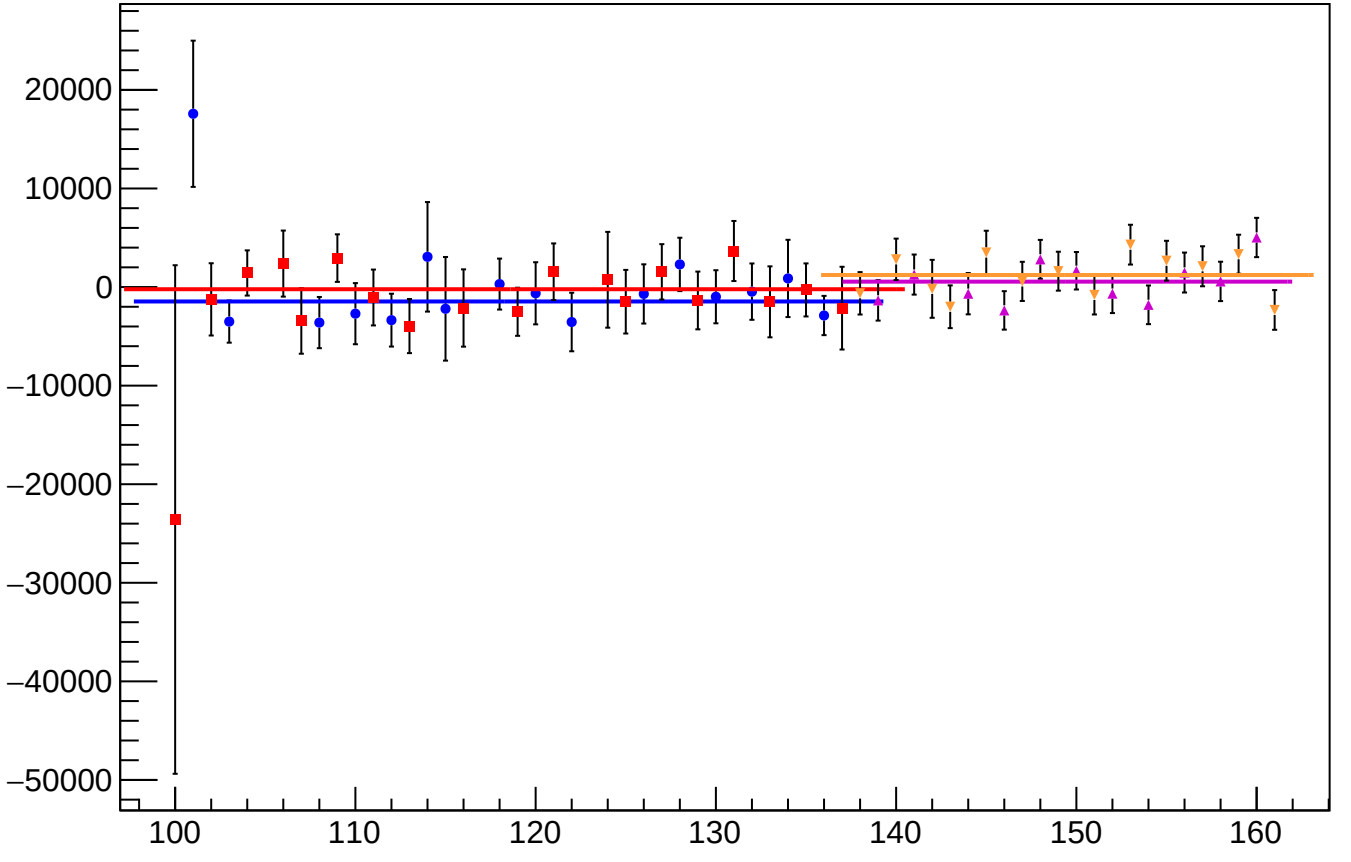
Left In: 4041.179+/-0.939 χ^2/NDF:478007.2/10

+ sign 3932.401+/-0.680 χ^2/NDF: 1432186.8/28

All: 3875.084+/-0.479 χ^2/NDF: 3261987.3/58

- sign 3818.744+/-0.674 χ^2/NDF: 1815724.8/29

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1220.568+/-579.653 χ^2/NDF:13.3/12

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

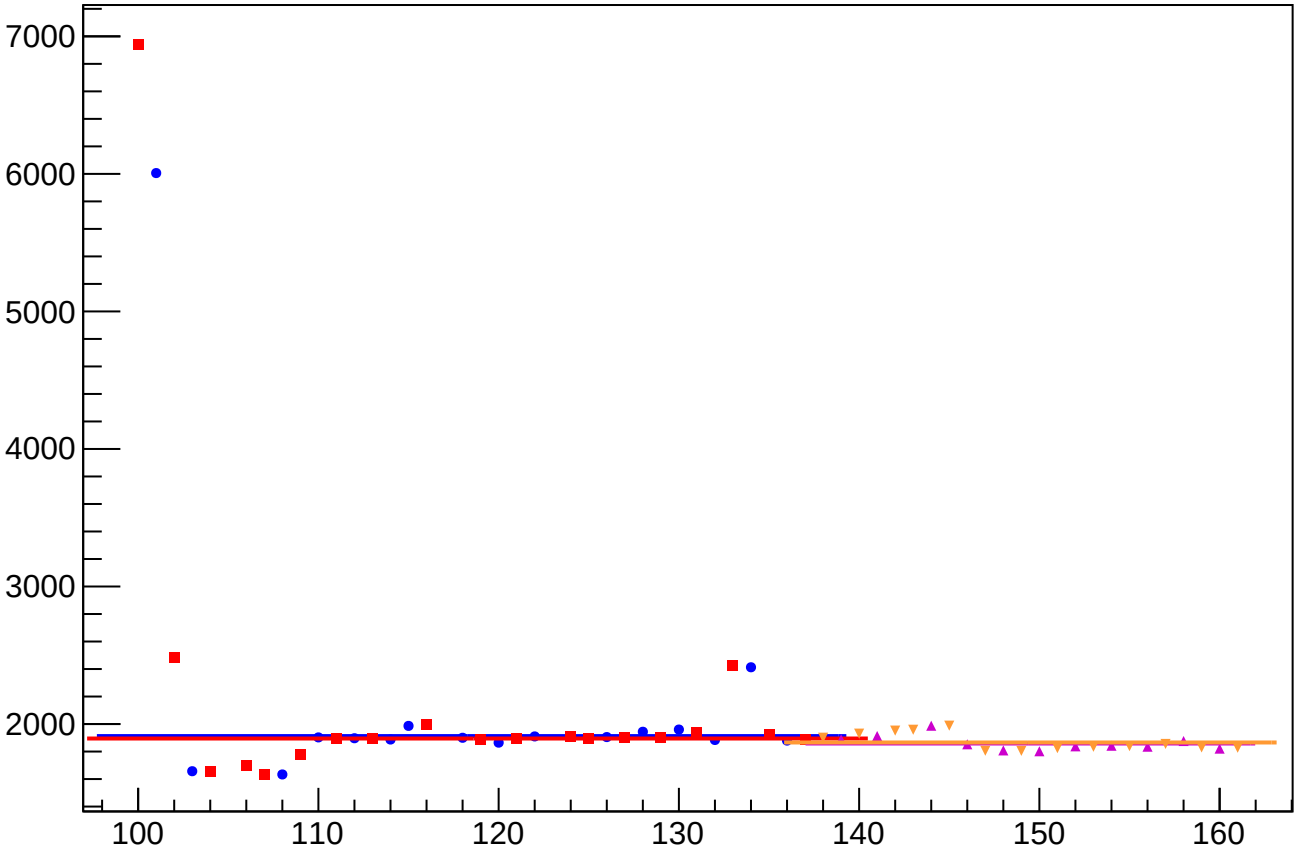
Left In: 549.454+/-601.317 χ^2/NDF:12.3/10

+ sign 179.970+/-453.533 χ^2/NDF: 35.1/28

All: 203.511+/-322.456 χ^2/NDF: 58.9/58

- sign 227.576+/-458.552 χ^2/NDF: 23.8/29

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1865.922+/-0.410 χ^2/NDF:20771.1/12

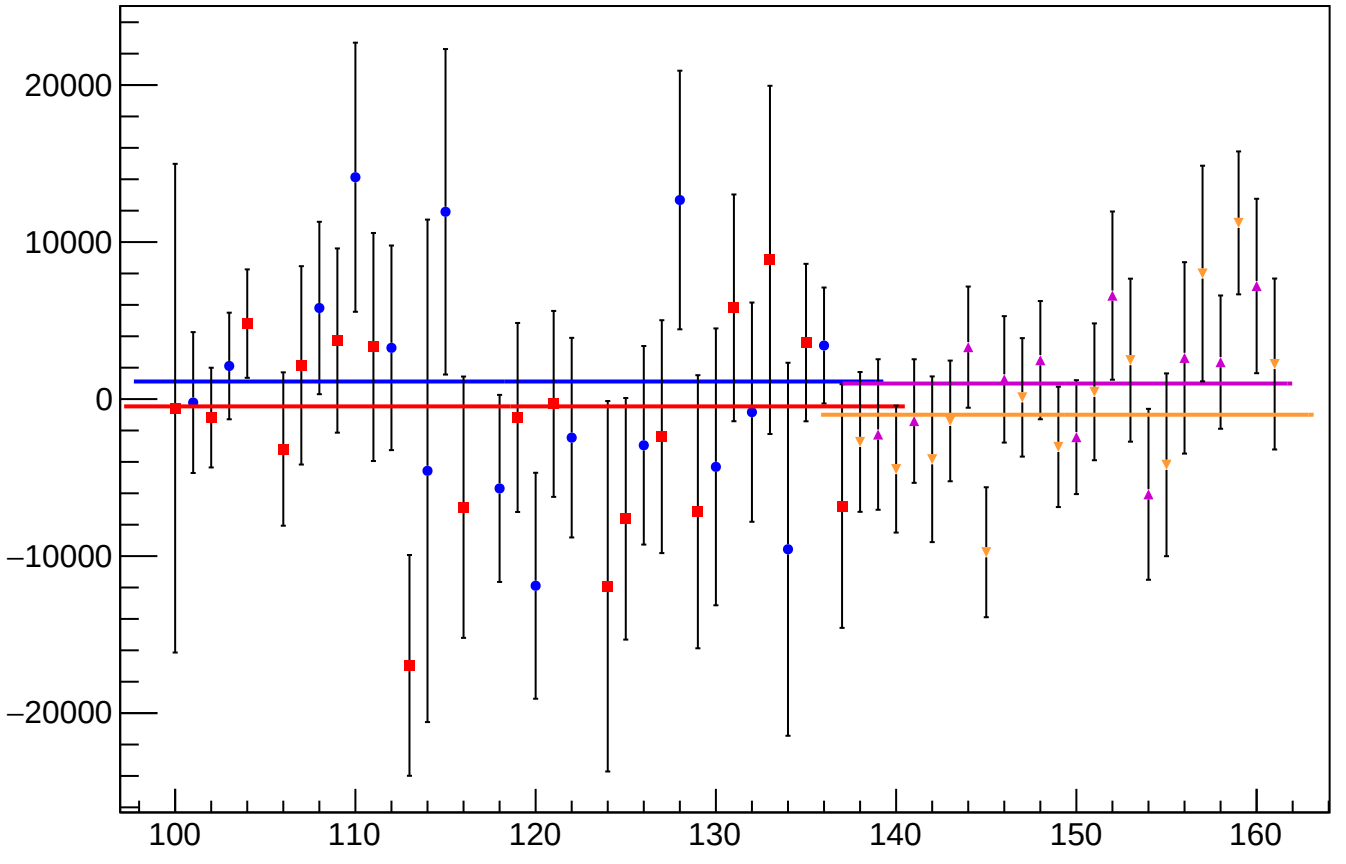
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1858.507+/-0.425 χ^2/NDF:14020.2/10

+ sign 1883.939+/-0.321 χ^2/NDF: 721973.2/28

All: 1878.873+/-0.228 χ^2/NDF: 959326.0/58

- sign 1873.699+/-0.324 χ^2/NDF: 236848.4/29



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -995.766+/-1255.382 χ^2/NDF:16.2/12

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

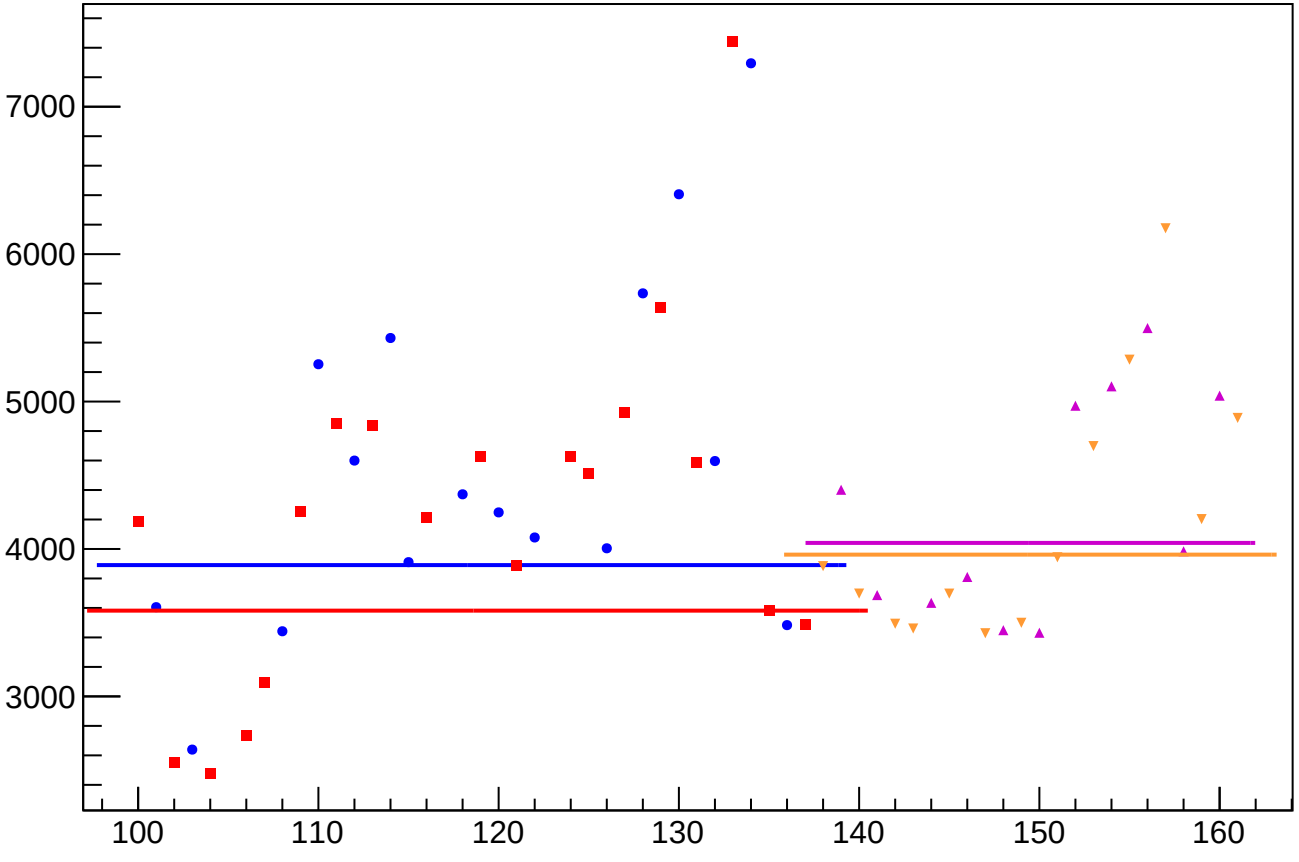
Left In: 990.997+/-1328.132 χ^2/NDF:6.4/10

+ sign -122.588+/-962.093 χ^2/NDF: 30.8/28

All: 83.625+/-677.374 χ^2/NDF: 52.9/58

- sign 286.326+/-953.864 χ^2/NDF: 22.0/29

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3961.700+/-0.888 χ^2/NDF:551128.4/12

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

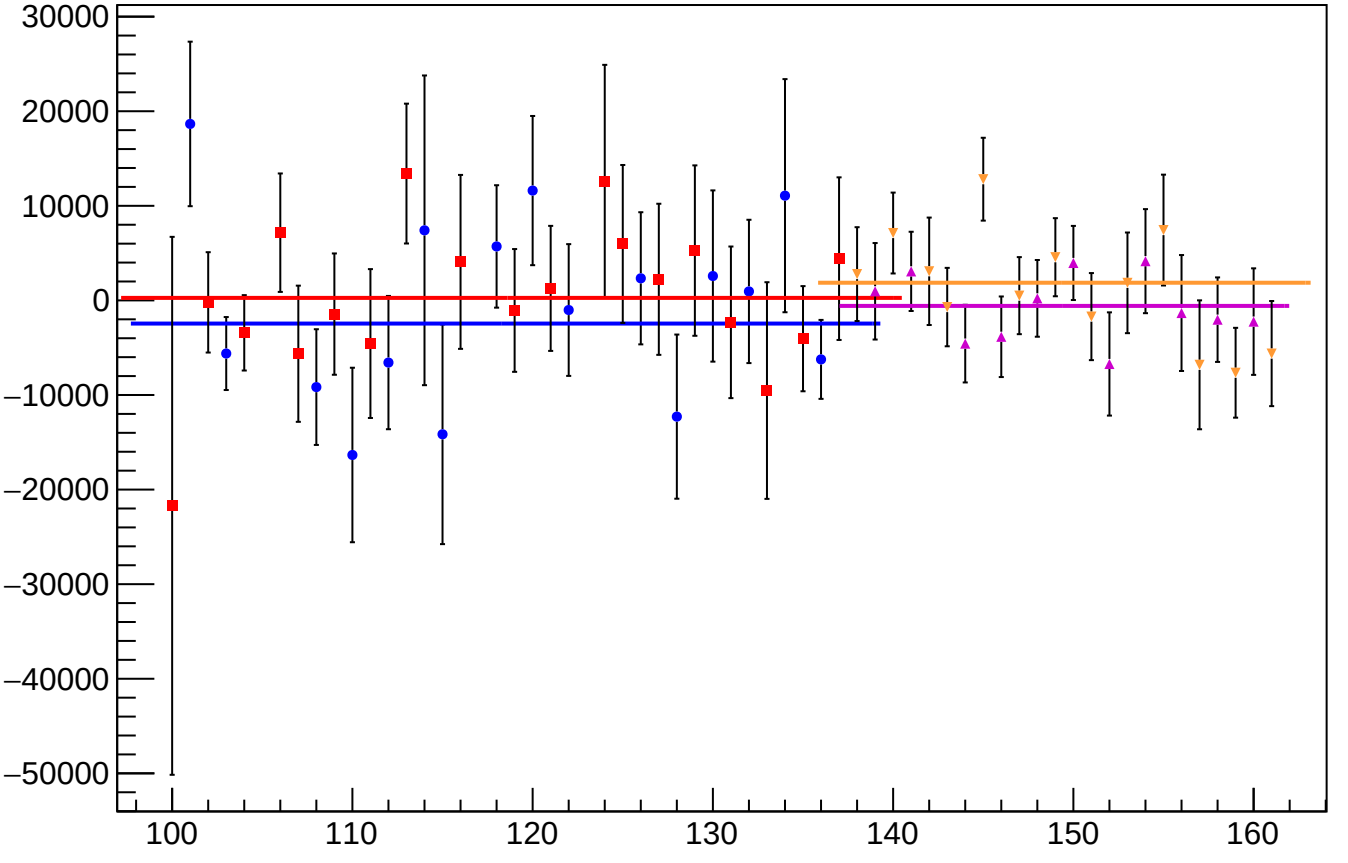
Left In: 4041.185+/-0.939 χ^2/NDF:478005.9/10

+ sign 3932.403+/-0.680 χ^2/NDF: 1432177.2/28

All: 3875.086+/-0.479 χ^2/NDF: 3261972.3/58

- sign 3818.745+/-0.674 χ^2/NDF: 1815719.1/29

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1868.964+/-1329.719 χ^2/NDF:17.7/12

Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

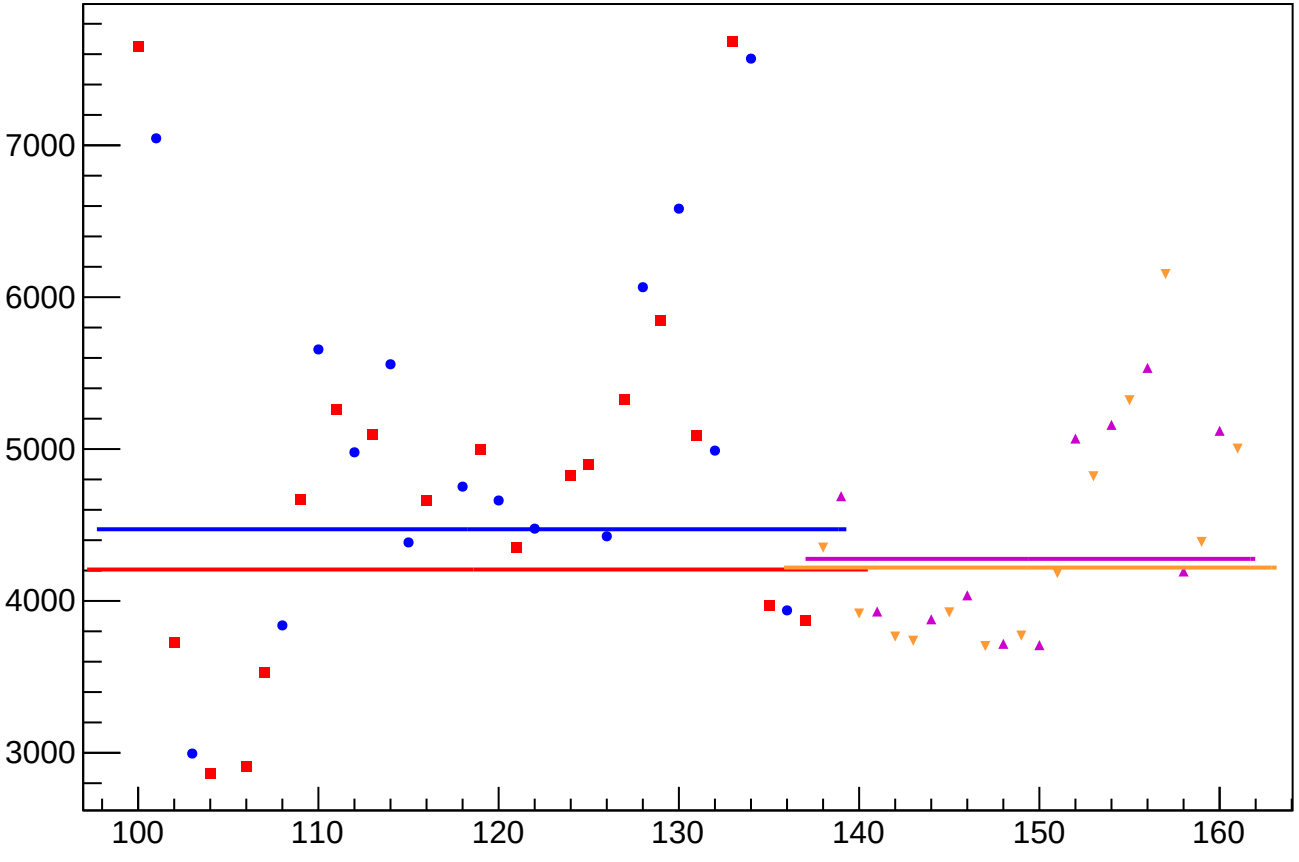
Left In: -581.061+/-1399.317 χ^2/NDF:6.0/10

+ sign 253.576+/-1051.931 χ^2/NDF: 42.5/28

All: 18.615+/-746.552 χ^2/NDF: 59.5/58

- sign -219.820+/-1059.680 χ^2/NDF: 16.8/29

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4219.591+/-0.940 χ^2/NDF:415479.9/12

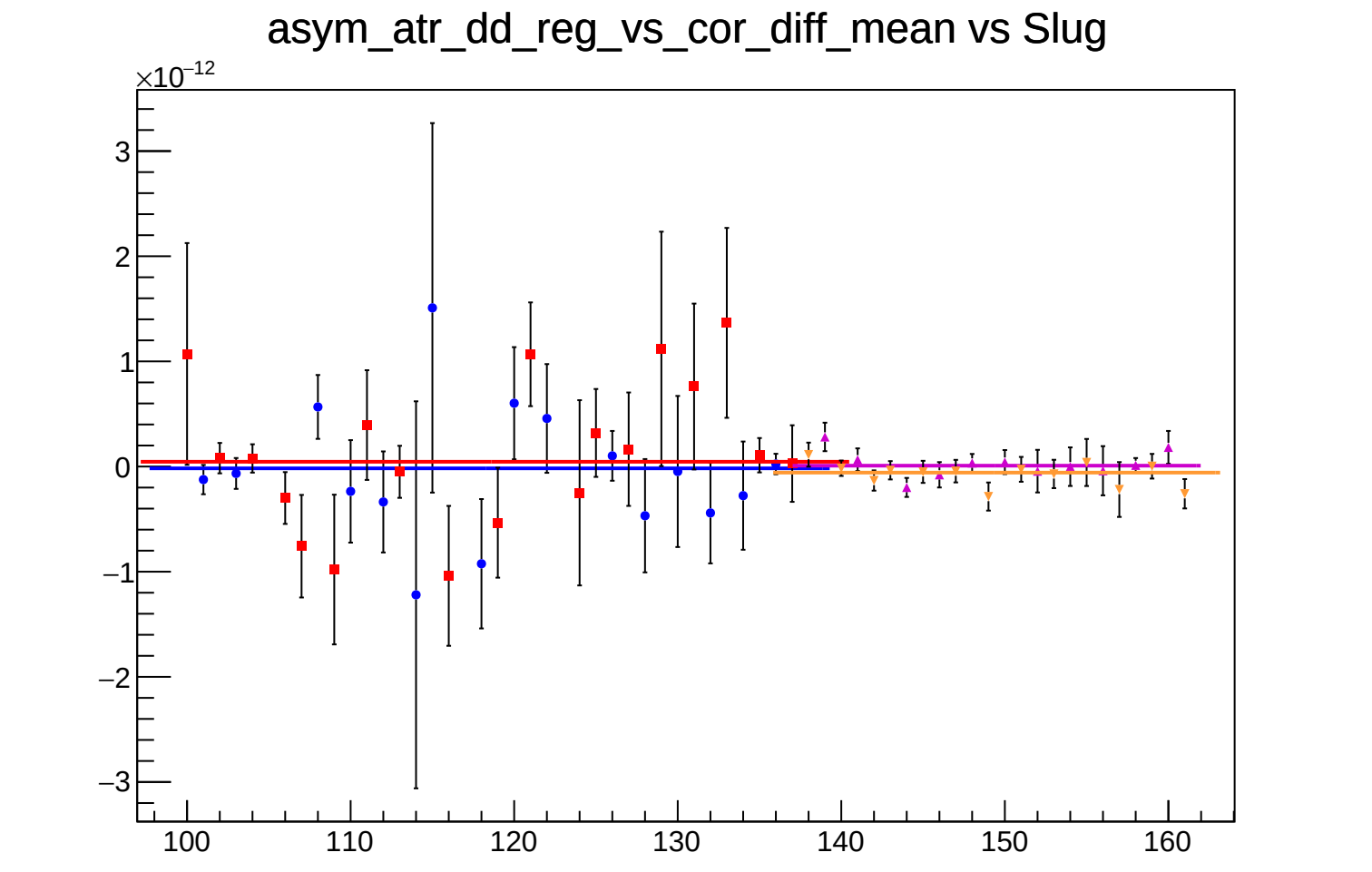
Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4276.990+/-0.989 χ^2/NDF:355299.0/10

+ sign 4314.000+/-0.744 χ^2/NDF: 1334102.4/28

All: 4280.537+/-0.527 χ^2/NDF: 2542149.8/58

- sign 4246.817+/-0.747 χ^2/NDF: 1203984.1/29



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.2/12

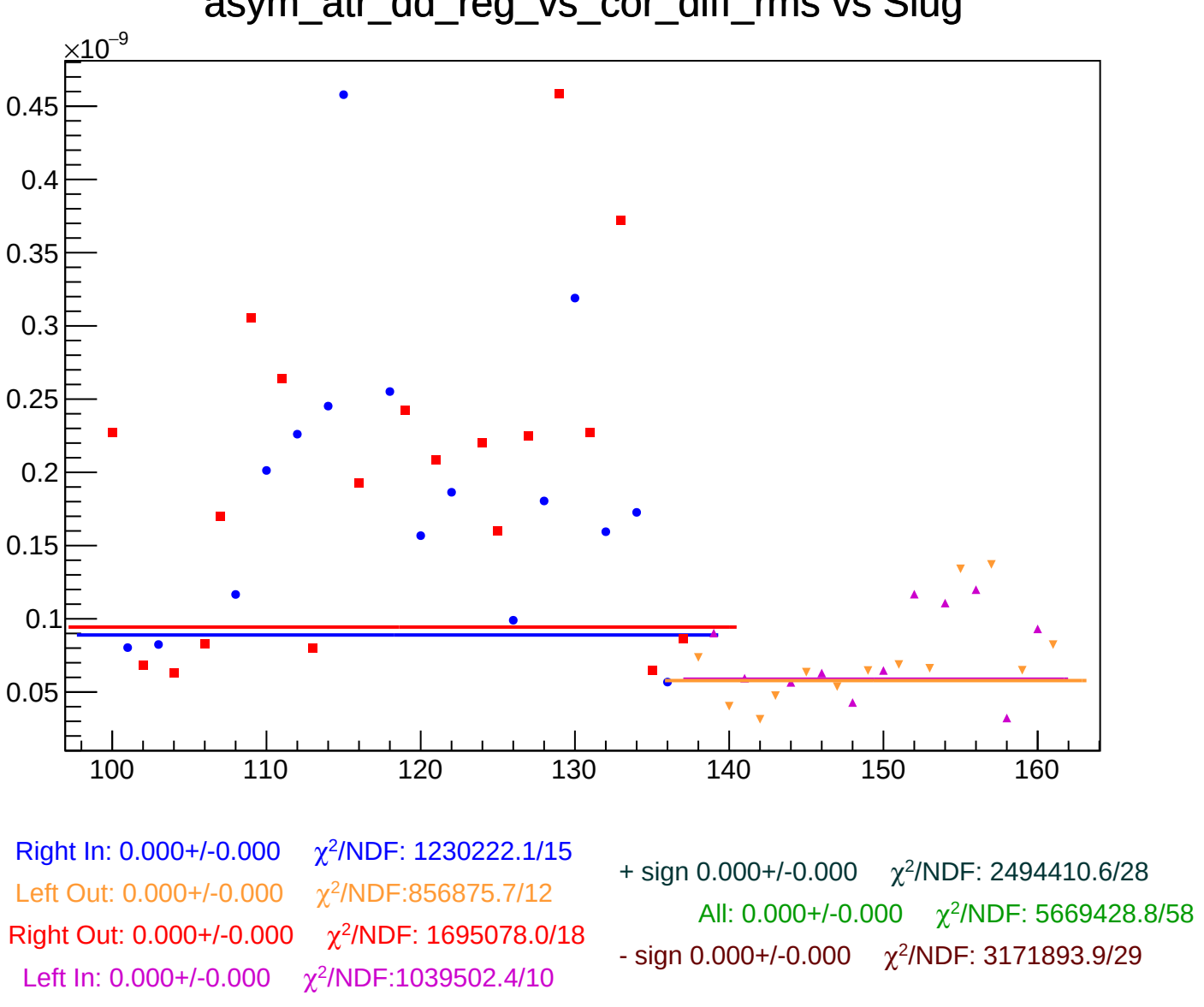
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11.6/10

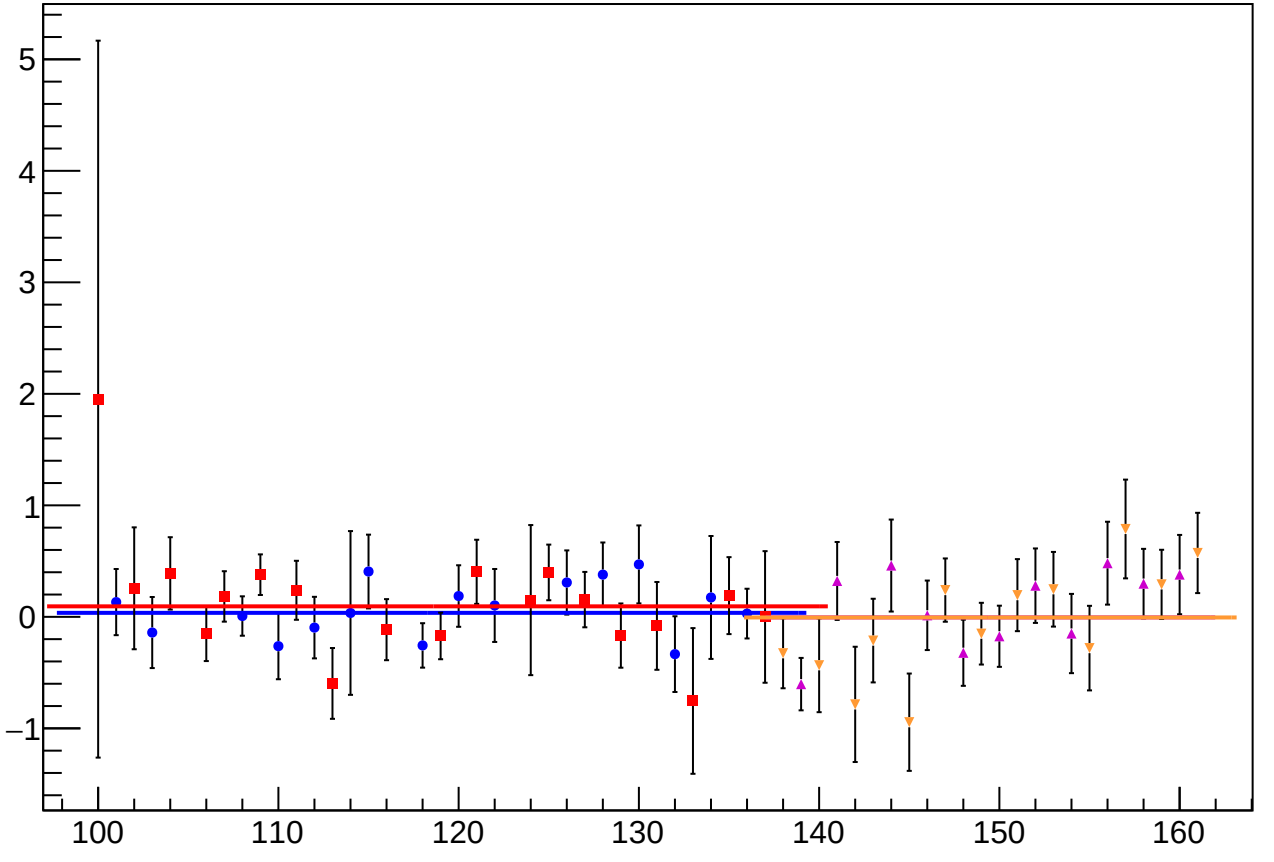
\+ sign -0.000+/-0.000 χ^2/NDF: 22.3/28

All: -0.000+/-0.000 χ^2/NDF: 57.8/58

\- sign 0.000+/-0.000 χ^2/NDF: 33.1/29


asym_atr_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1230222.1/15
Left Out: 0.000+/-0.000 χ²/NDF:856875.7/12
Right Out: 0.000+/-0.000 χ²/NDF: 1695078.0/18
Left In: 0.000+/-0.000 χ²/NDF:1039502.4/10
+ sign 0.000+/-0.000 χ²/NDF: 2494410.6/28
All: 0.000+/-0.000 χ²/NDF: 5669428.8/58
- sign 0.000+/-0.000 χ²/NDF: 3171893.9/29

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.005+/-0.097 χ^2/NDF:18.5/12

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

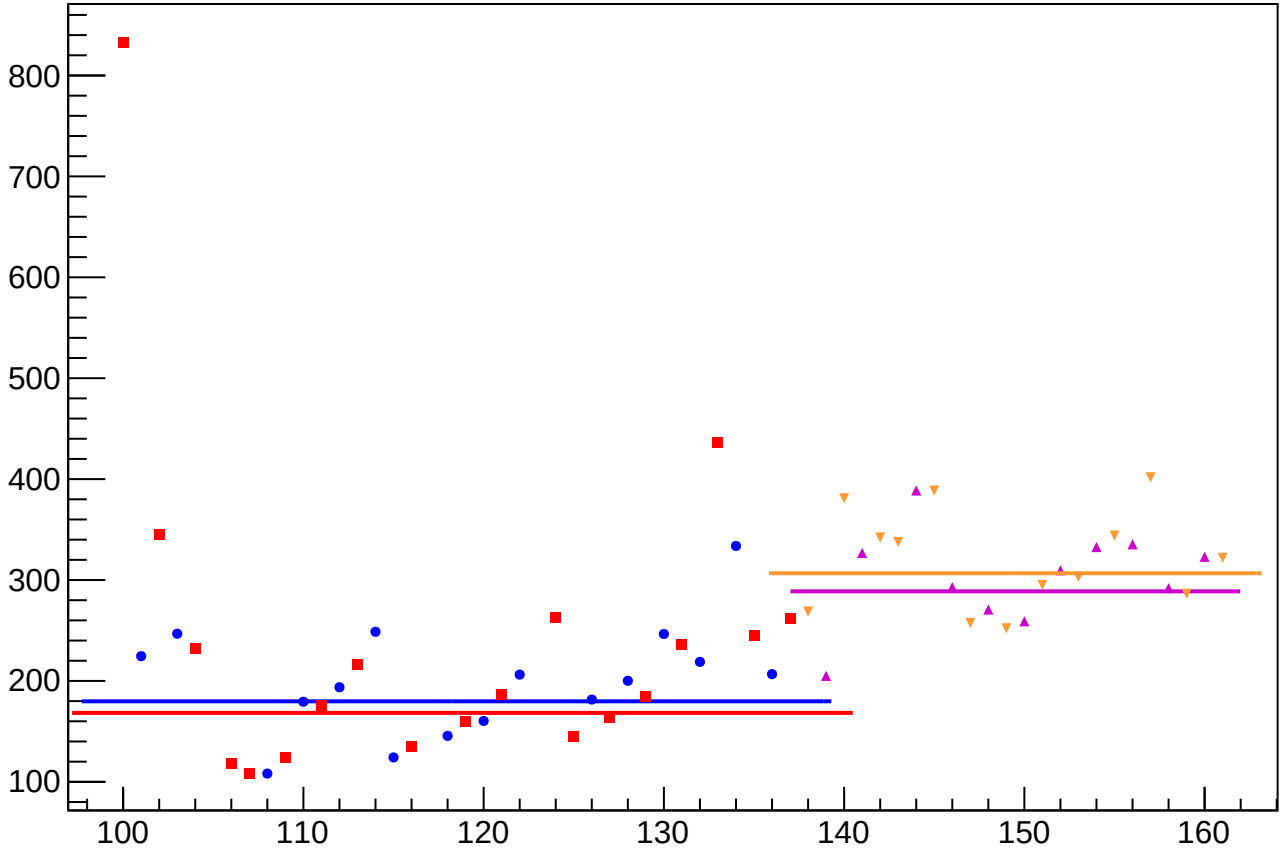
Left In: -0.005+/-0.096 χ^2/NDF:14.9/10

+ sign 0.022+/-0.057 χ^2/NDF: 29.2/28

All: 0.042+/-0.040 χ^2/NDF: 62.6/58

- sign 0.061+/-0.055 χ^2/NDF: 33.2/29

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 306.745+/-0.069 χ^2/NDF:449491.9/12

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

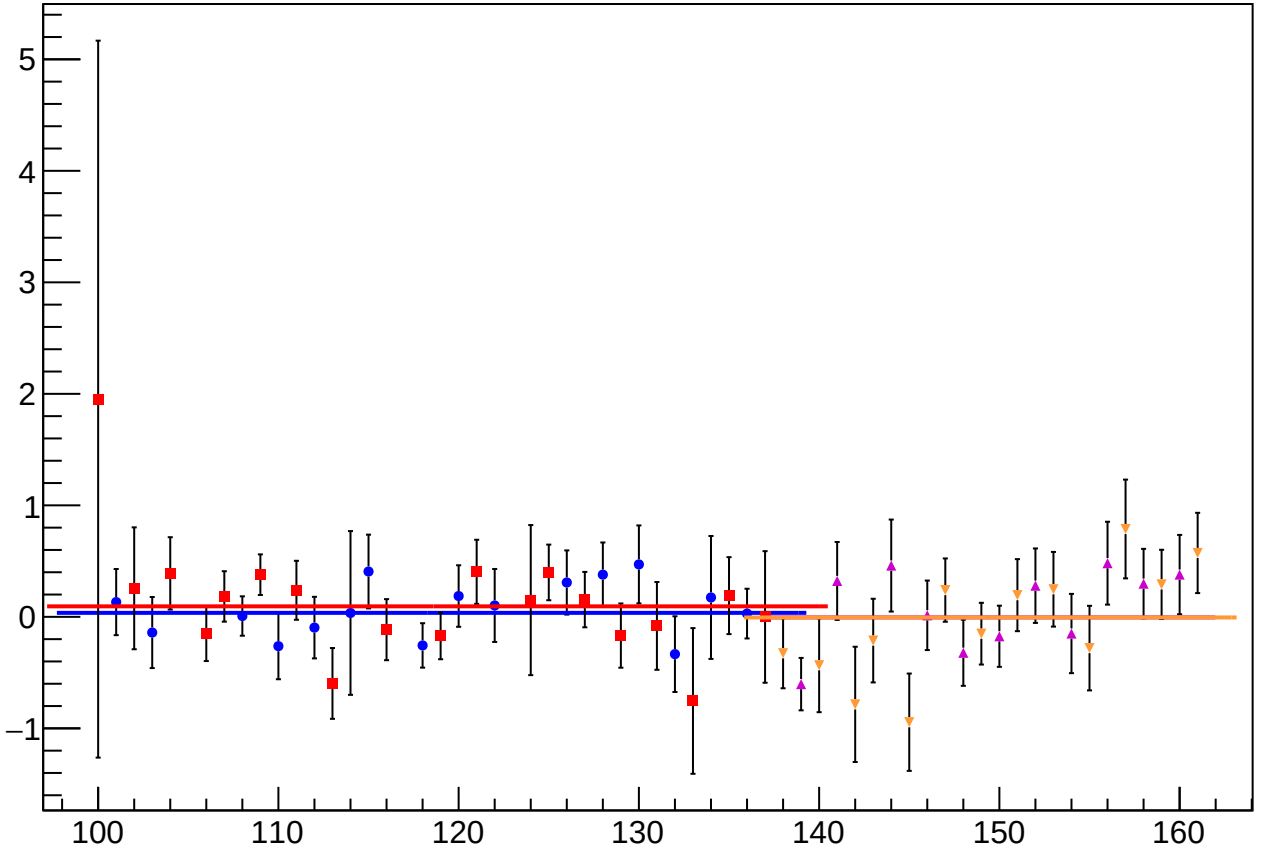
Left In: 288.798+/-0.068 χ^2/NDF:514724.1/10

+ sign 223.667+/-0.040 χ^2/NDF: 3604116.4/28

All: 215.838+/-0.028 χ^2/NDF: 7717270.1/58

- sign 208.516+/-0.039 χ^2/NDF: 4040375.1/29

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: -0.005+/-0.097 χ^2/NDF:18.5/12

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

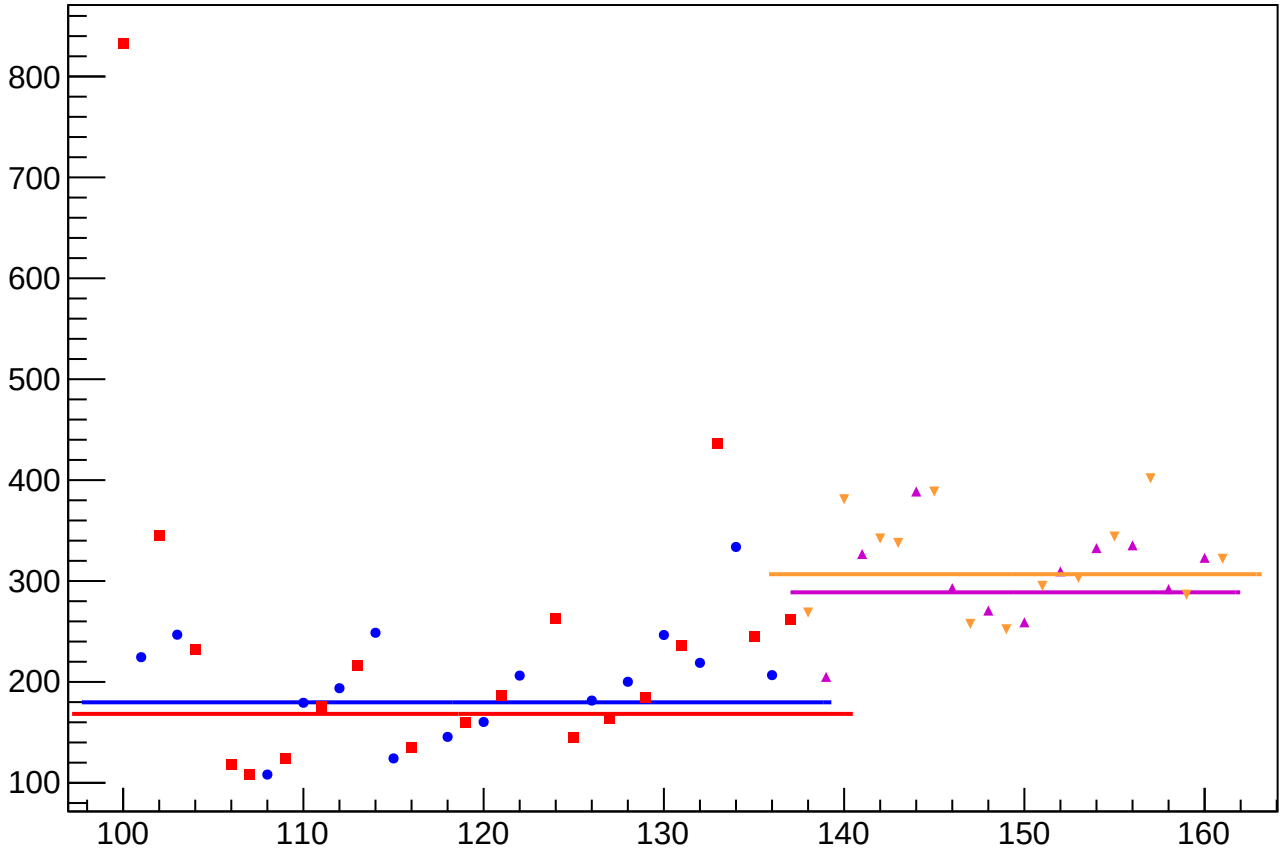
Left In: -0.005+/-0.096 χ^2/NDF:14.9/10

+ sign 0.022+/-0.057 χ^2/NDF: 29.2/28

All: 0.042+/-0.040 χ^2/NDF: 62.6/58

- sign 0.061+/-0.055 χ^2/NDF: 33.2/29

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: 306.745+/-0.069 χ^2/NDF:449491.9/12

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

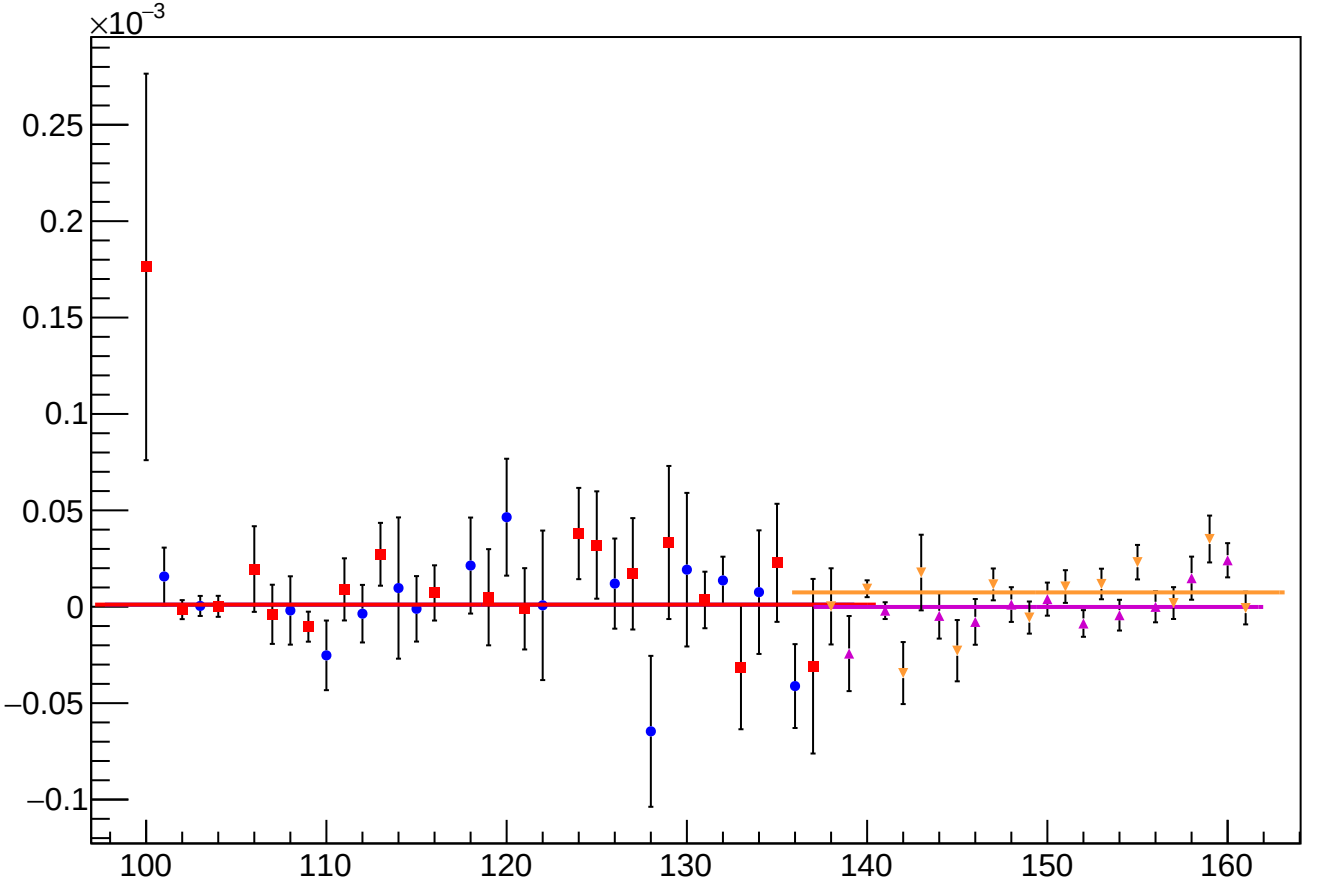
Left In: 288.798+/-0.068 χ^2/NDF:514724.1/10

+ sign 223.667+/-0.040 χ^2/NDF: 3604116.4/28

All: 215.838+/-0.028 χ^2/NDF: 7717270.1/58

- sign 208.516+/-0.039 χ^2/NDF: 4040375.1/29

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:23.8/12

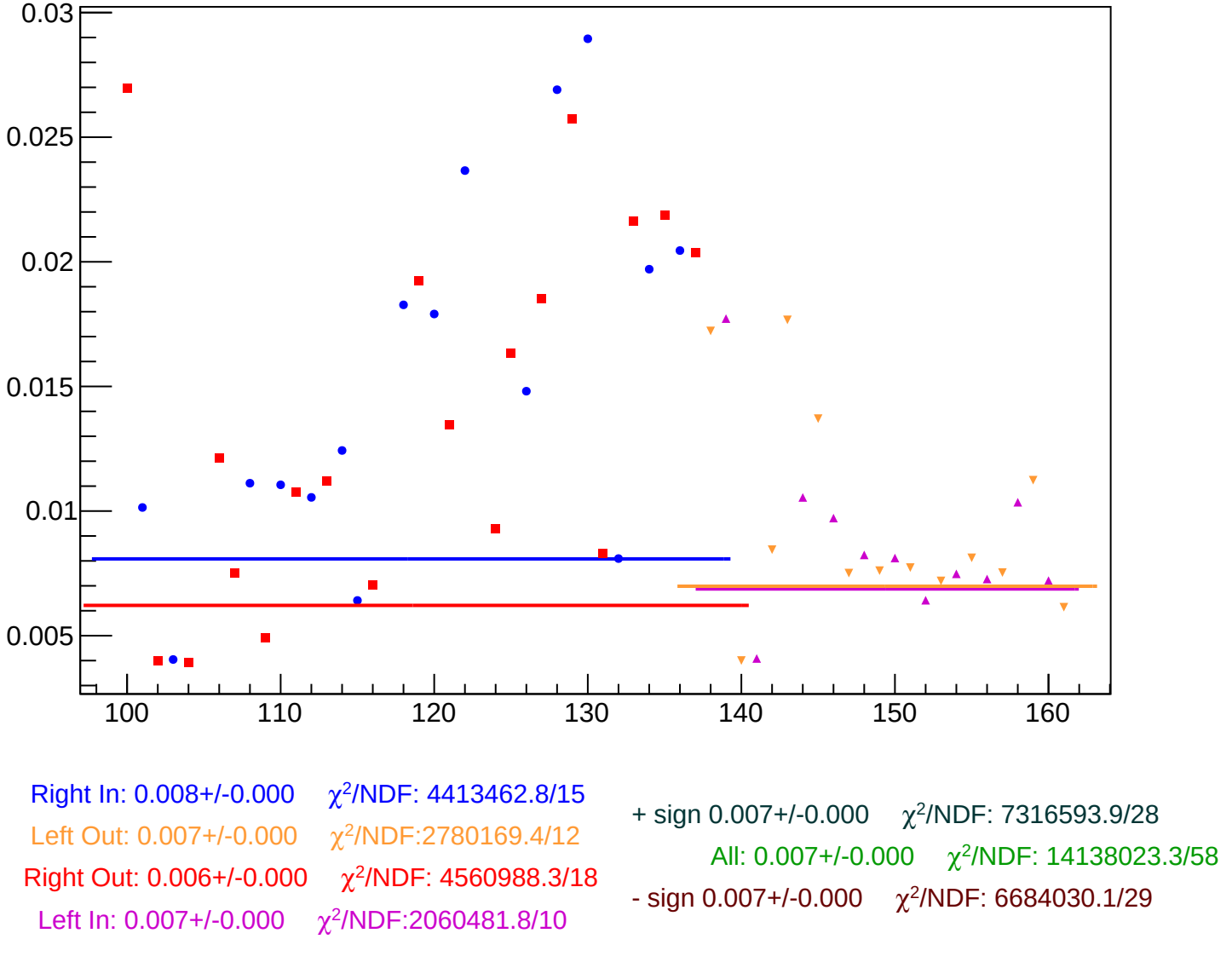
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/10

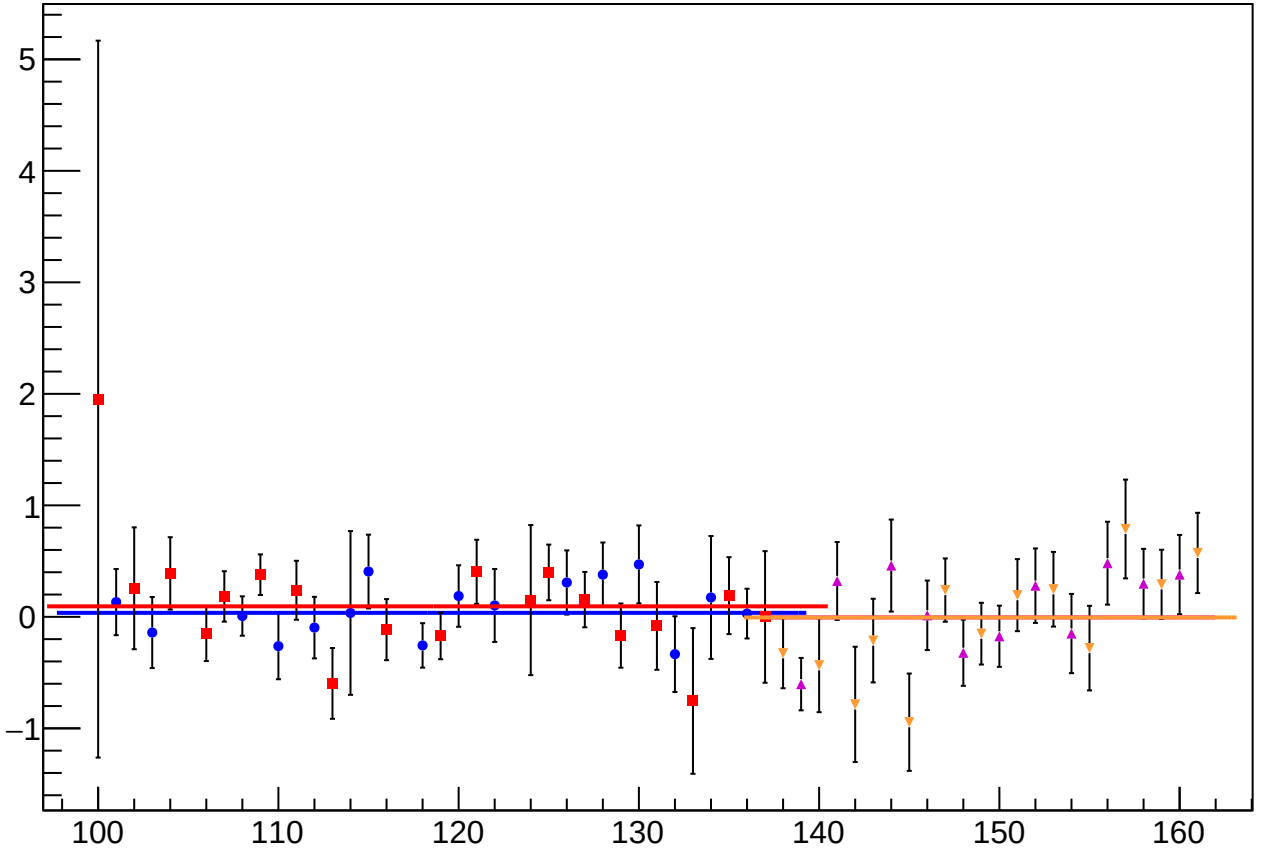
+ sign 0.000+/-0.000 χ^2/NDF: 40.1/28

All: 0.000+/-0.000 χ^2/NDF: 73.4/58

- sign 0.000+/-0.000 χ^2/NDF: 29.7/29


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
Right In: 0.008+/-0.000 χ²/NDF: 4413462.8/15
Left Out: 0.007+/-0.000 χ²/NDF:2780169.4/12
Right Out: 0.006+/-0.000 χ²/NDF: 4560988.3/18
Left In: 0.007+/-0.000 χ²/NDF:2060481.8/10
+ sign 0.007+/-0.000 χ²/NDF: 7316593.9/28
All: 0.007+/-0.000 χ²/NDF: 14138023.3/58
- sign 0.007+/-0.000 χ²/NDF: 6684030.1/29

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: -0.005+/-0.097 χ^2/NDF:18.5/12

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

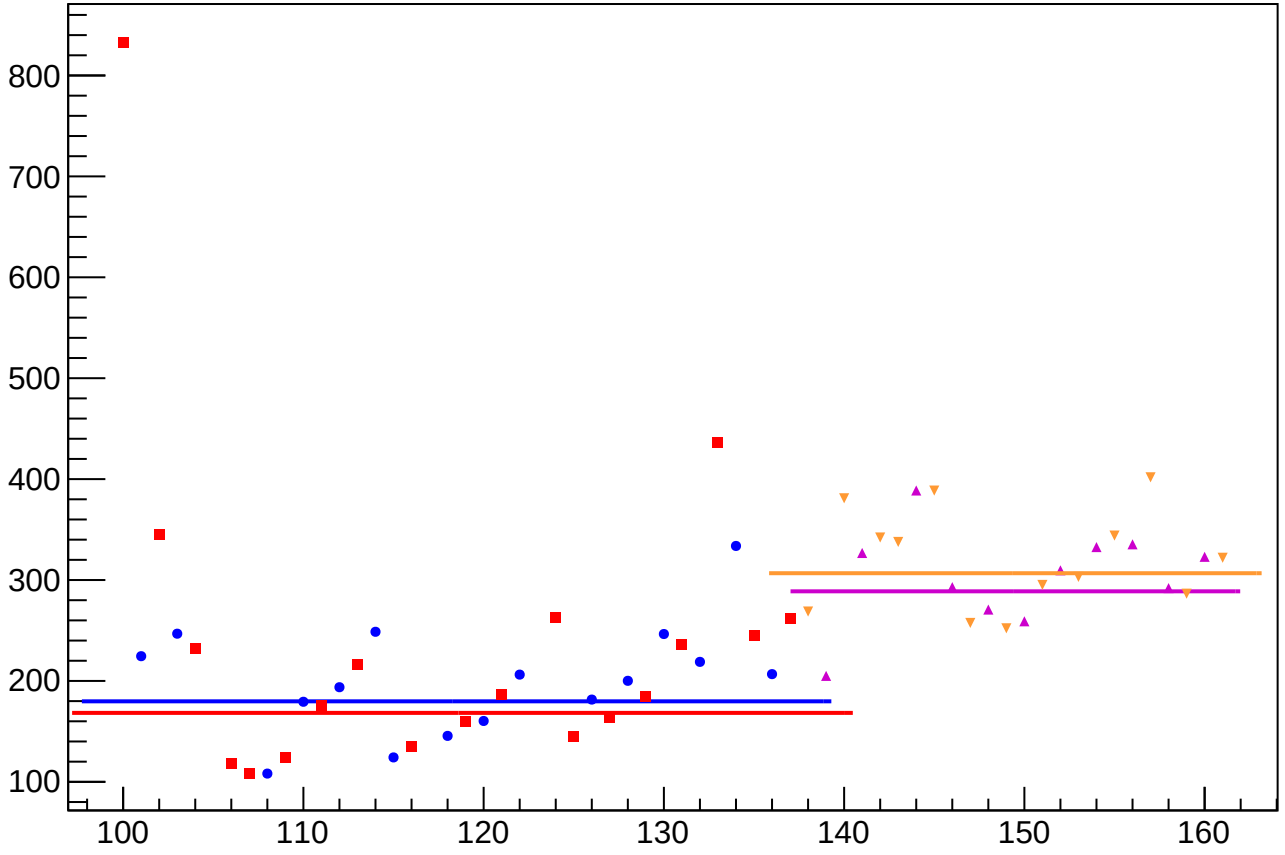
Left In: -0.005+/-0.096 χ^2/NDF:14.9/10

+ sign 0.022+/-0.057 χ^2/NDF: 29.2/28

All: 0.042+/-0.040 χ^2/NDF: 62.6/58

- sign 0.061+/-0.055 χ^2/NDF: 33.2/29

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: 306.750+/-0.069 χ^2/NDF:449467.3/12

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

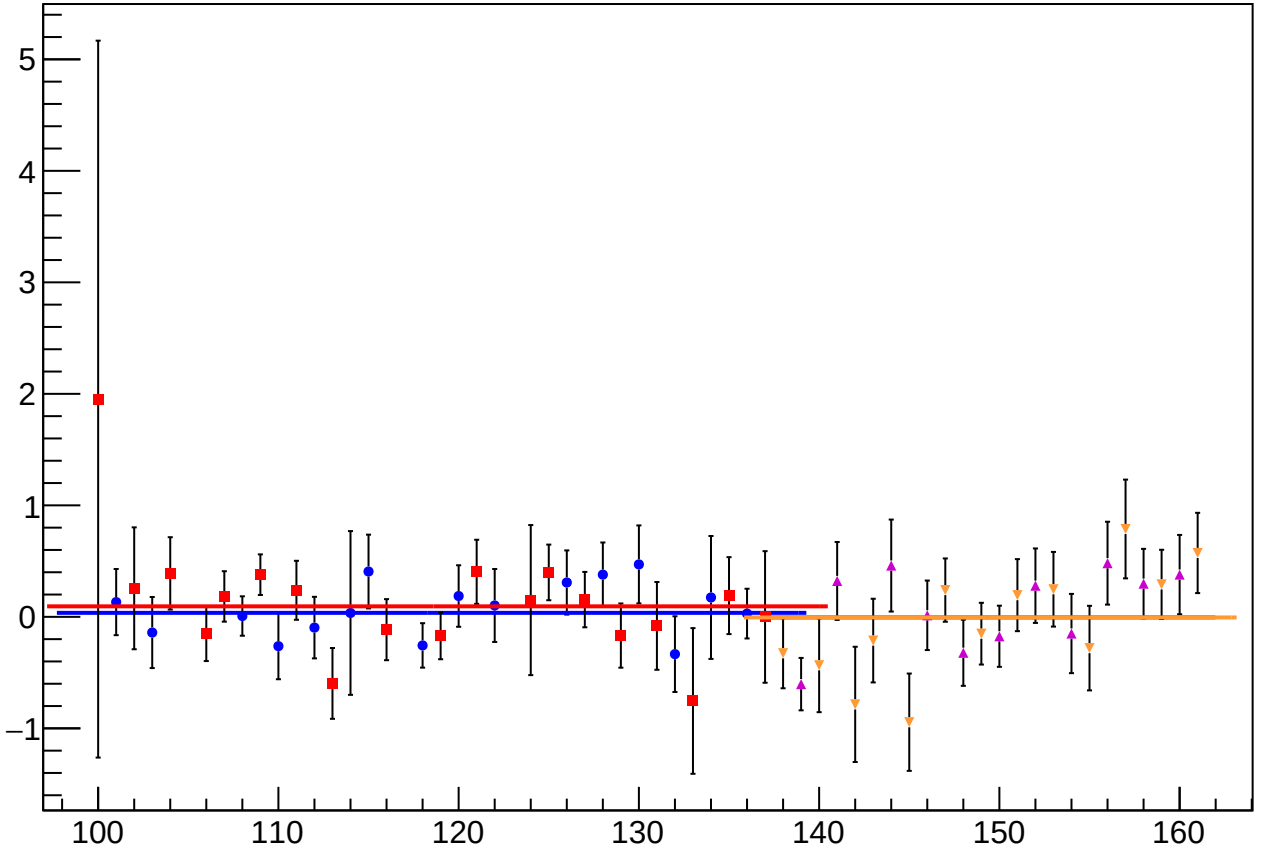
Left In: 288.802+/-0.068 χ^2/NDF:514693.9/10

\+ sign 223.666+/-0.040 χ^2/NDF: 3604363.3/28

All: 215.837+/-0.028 χ^2/NDF: 7717576.7/58

\- sign 208.517+/-0.039 χ^2/NDF: 4040455.3/29

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.005+/-0.097 χ^2/NDF:18.5/12

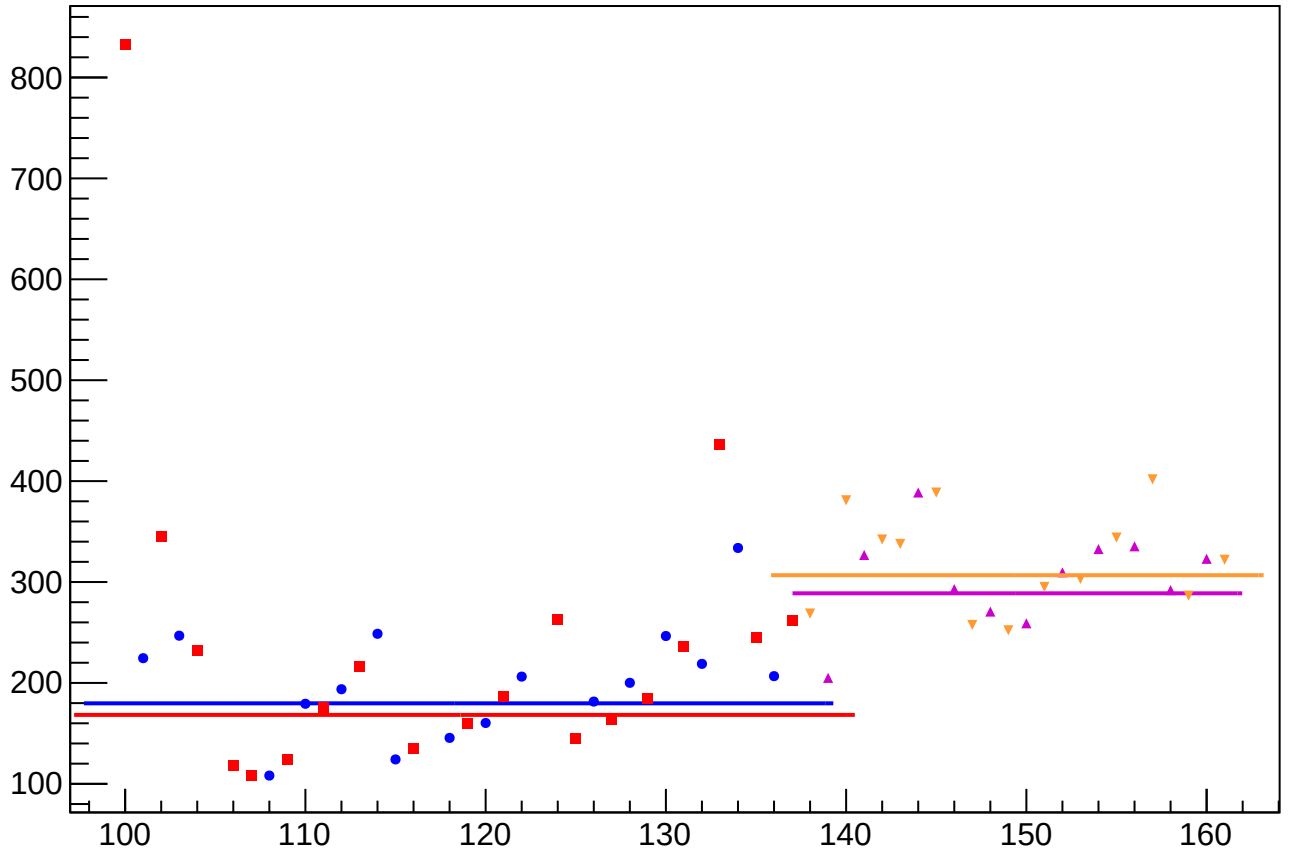
Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.005+/-0.096 χ^2/NDF:14.9/10

+ sign 0.022+/-0.057 χ^2/NDF: 29.2/28

All: 0.042+/-0.040 χ^2/NDF: 62.6/58

- sign 0.061+/-0.055 χ^2/NDF: 33.2/29



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 306.750+/-0.069 χ^2/NDF:449467.3/12

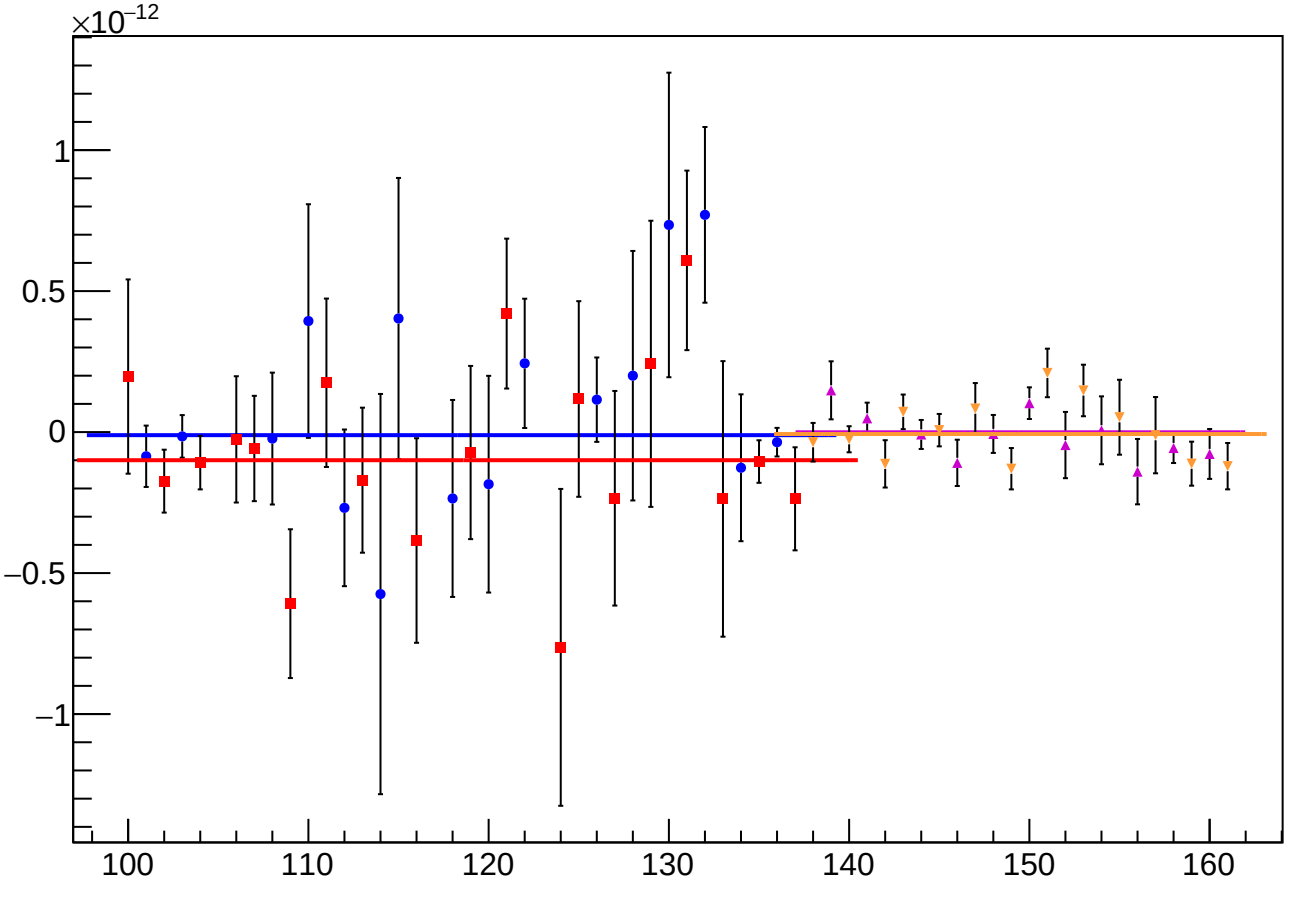
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 288.802+/-0.068 χ^2/NDF:514693.9/10

+ sign 223.666+/-0.040 χ^2/NDF: 3604363.3/28

All: 215.837+/-0.028 χ^2/NDF: 7717576.7/58

- sign 208.517+/-0.039 χ^2/NDF: 4040455.3/29



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/12

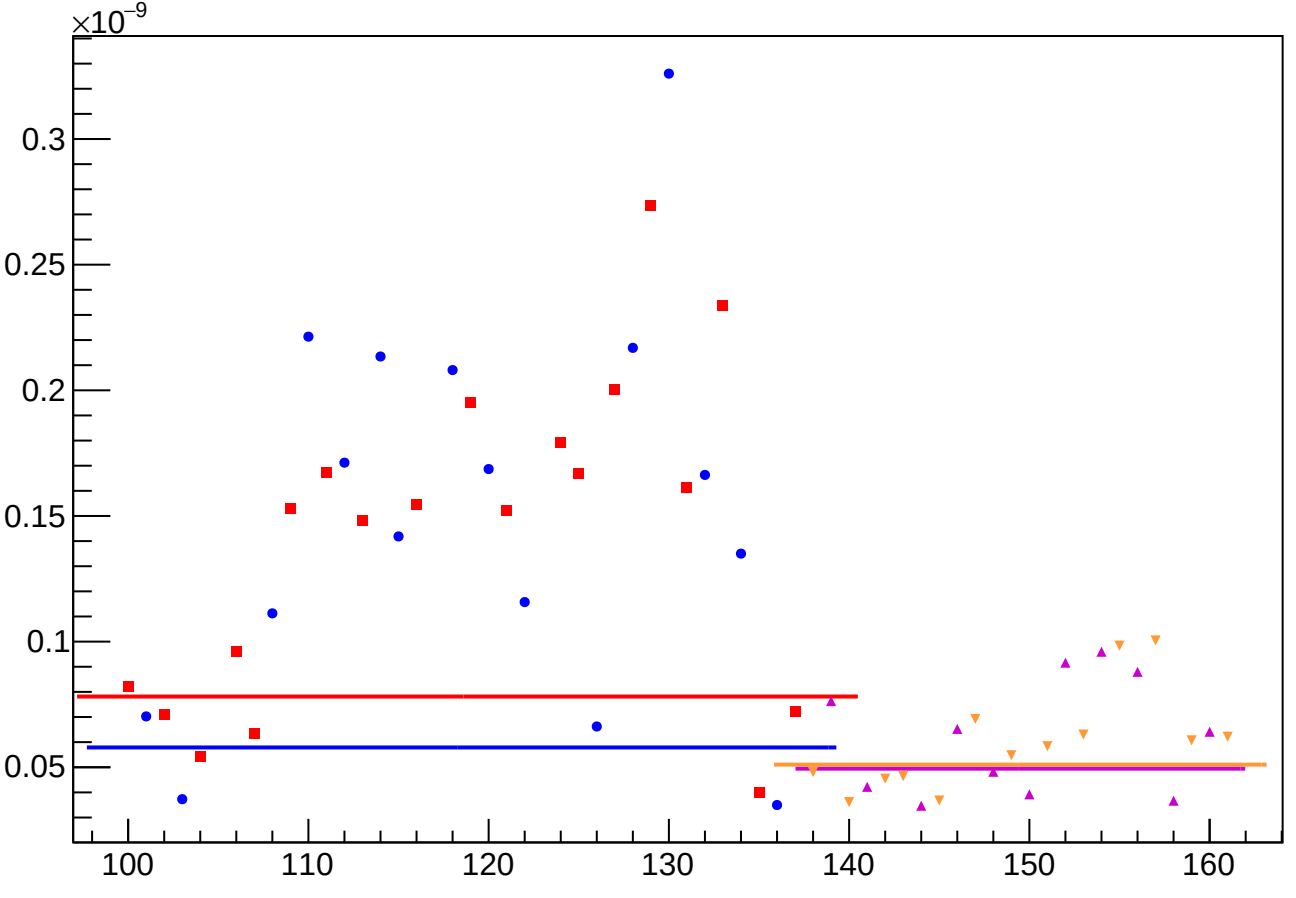
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.6/28

All: -0.000+/-0.000 χ^2/NDF: 70.1/58

- sign -0.000+/-0.000 χ^2/NDF: 34.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1077873.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

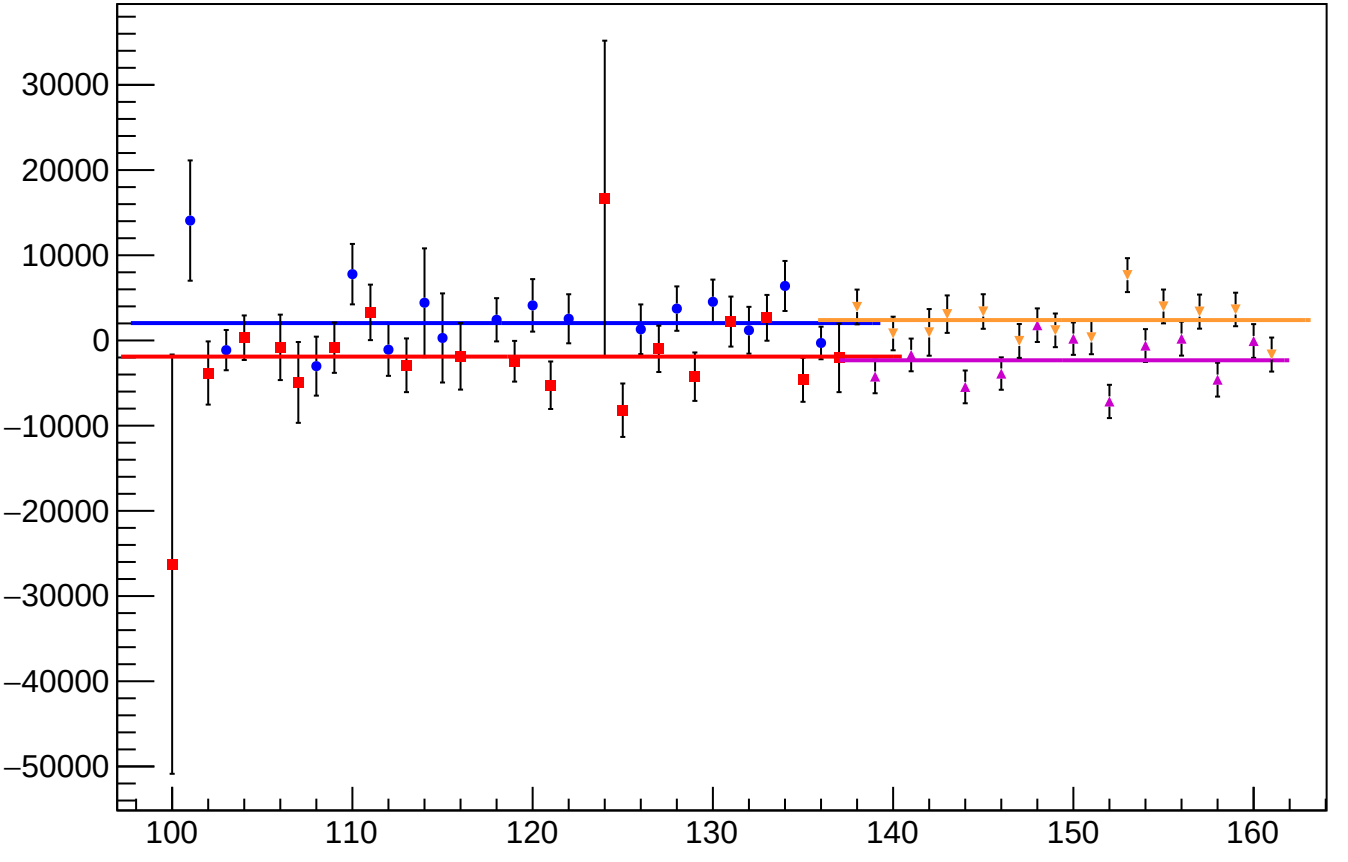
Left In: 0.000+/-0.000 χ^2/NDF:1422644.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 4457014.0/28

All: 0.000+/-0.000 χ^2/NDF: 9368778.3/58

- sign 0.000+/-0.000 χ^2/NDF: 4892304.1/29

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2393.378+/-566.877 χ^2/NDF:17.2/12

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

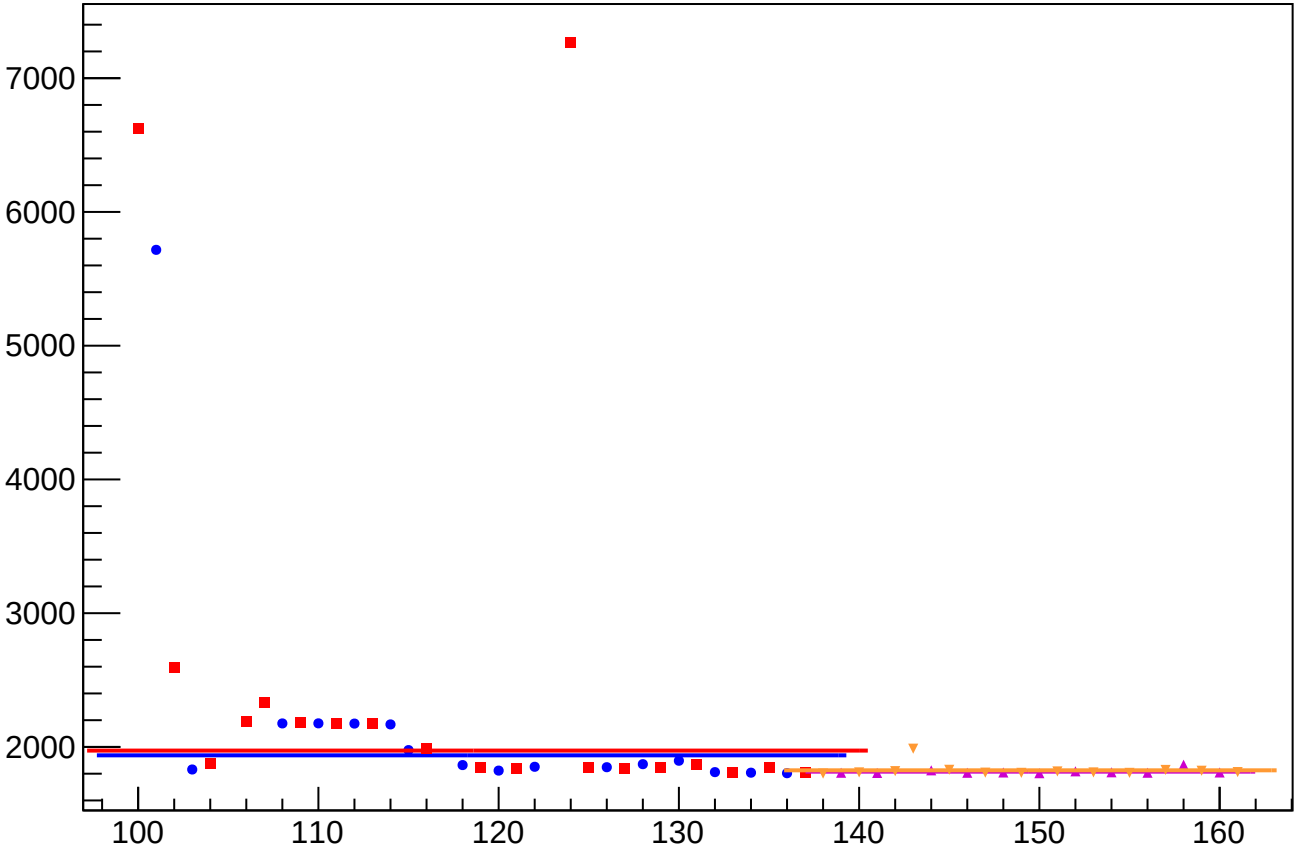
Left In: -2326.646+/-587.131 χ^2/NDF:21.7/10

+ sign 2261.554+/-449.155 χ^2/NDF: 33.8/28

All: 99.940+/-321.081 χ^2/NDF: 121.5/58

- sign -2159.088+/-459.164 χ^2/NDF: 40.4/29

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1825.210+/-0.401 χ^2/NDF:12024.1/12

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

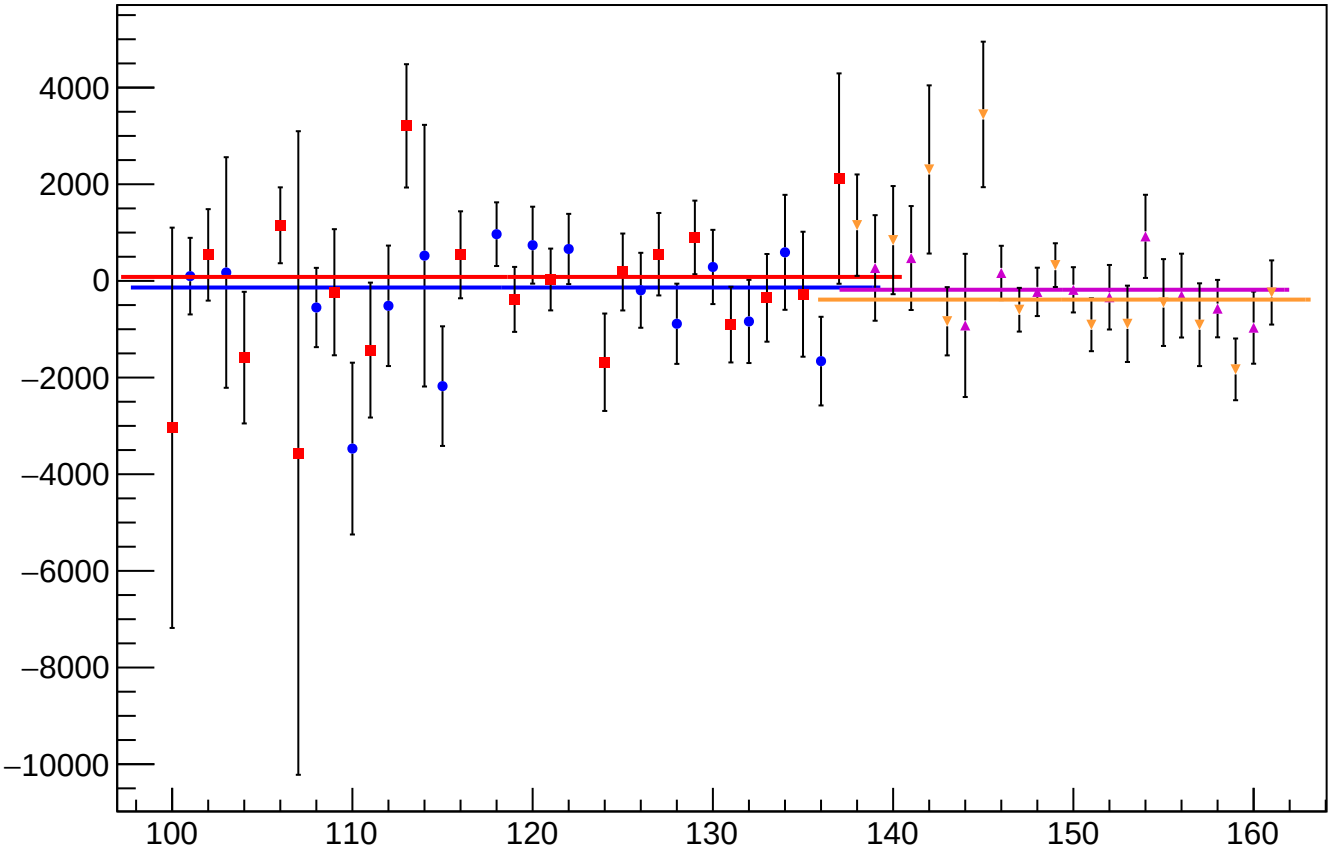
Left In: 1815.256+/-0.415 χ^2/NDF:1701.6/10

+ sign 1866.913+/-0.318 χ^2/NDF: 679196.6/28

All: 1871.567+/-0.227 χ^2/NDF: 1114776.5/58

- sign 1876.431+/-0.325 χ^2/NDF: 435140.8/29

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -386.941+/-194.197 χ^2/NDF:22.2/12

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

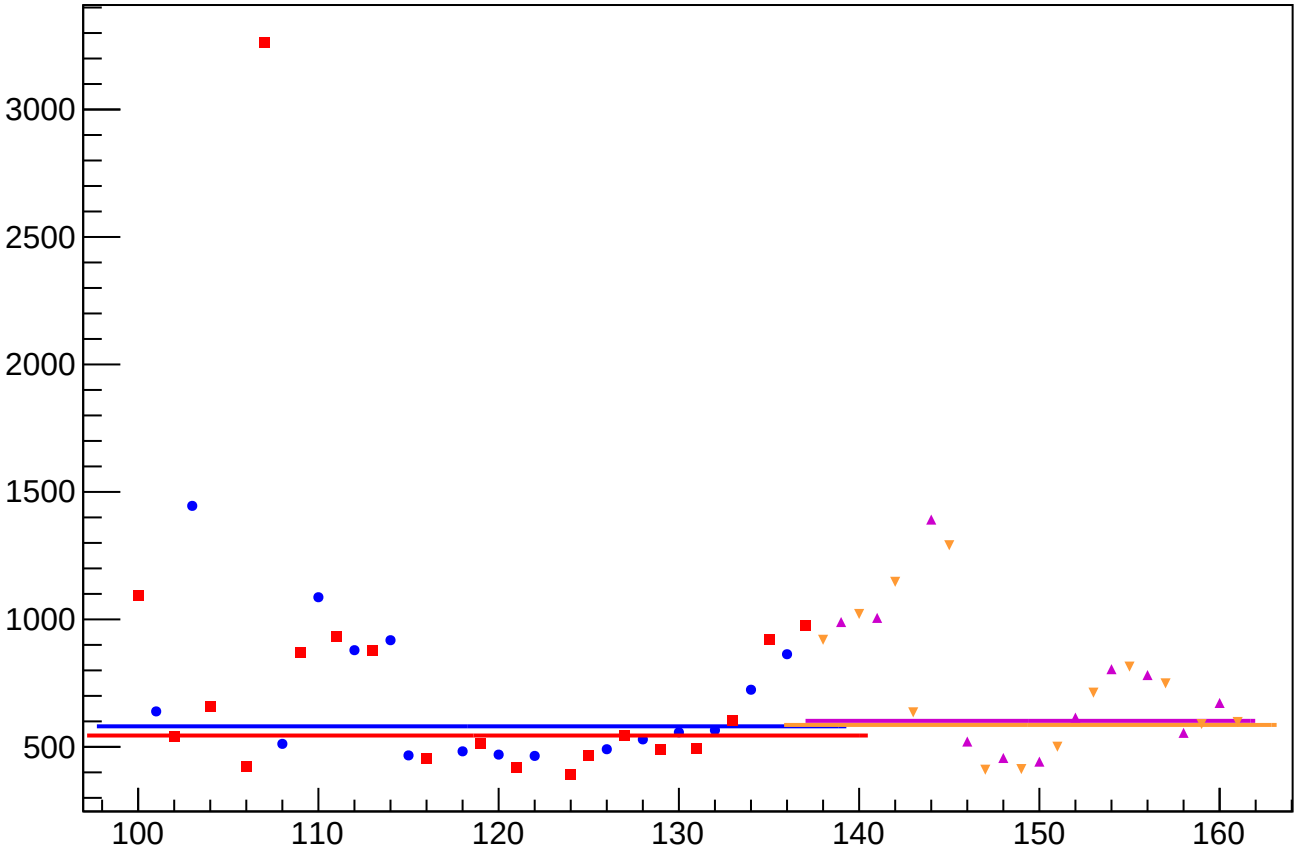
Left In: -182.882+/-206.583 χ^2/NDF:4.4/10

+ sign -282.996+/-148.496 χ^2/NDF: 39.8/28

All: -173.455+/-105.959 χ^2/NDF: 65.8/58

- sign -59.831+/-151.239 χ^2/NDF: 24.9/29

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 586.060+/-0.137 χ^2/NDF:2058553.0/12

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

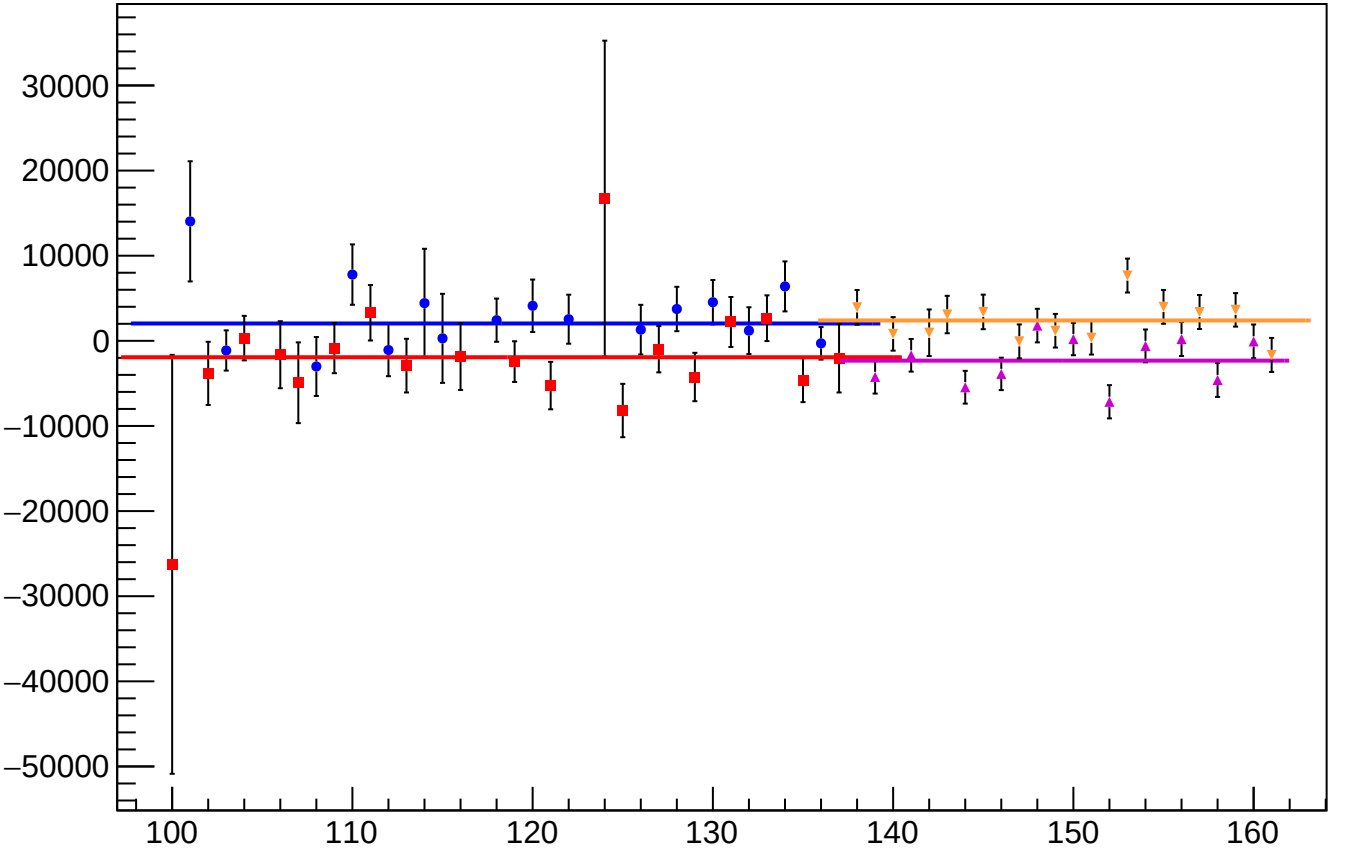
Left In: 602.101+/-0.146 χ^2/NDF:1774190.1/10

+ sign 583.797+/-0.105 χ^2/NDF: 3062617.7/28

All: 579.669+/-0.075 χ^2/NDF: 6199676.3/58

- sign 575.386+/-0.107 χ^2/NDF: 3133909.5/29

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2393.366+/-566.877 χ^2/NDF:17.2/12

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

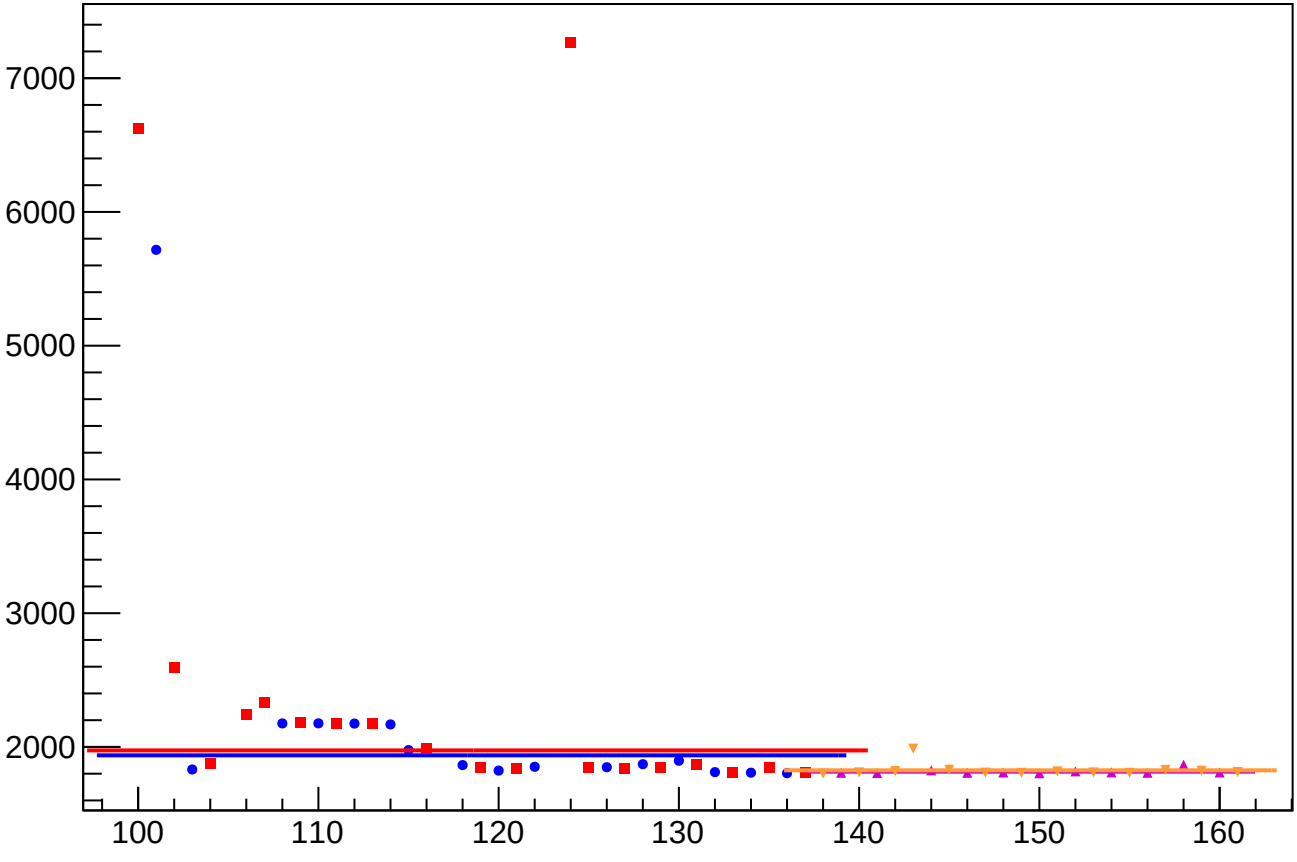
Left In: -2326.741+/-587.131 χ^2/NDF:21.7/10

+ sign 2261.409+/-449.155 χ^2/NDF: 33.8/28

All: 94.620+/-321.135 χ^2/NDF: 121.7/58

- sign -2171.362+/-459.321 χ^2/NDF: 40.3/29

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1825.210+/-0.401 χ^2/NDF:12024.1/12

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

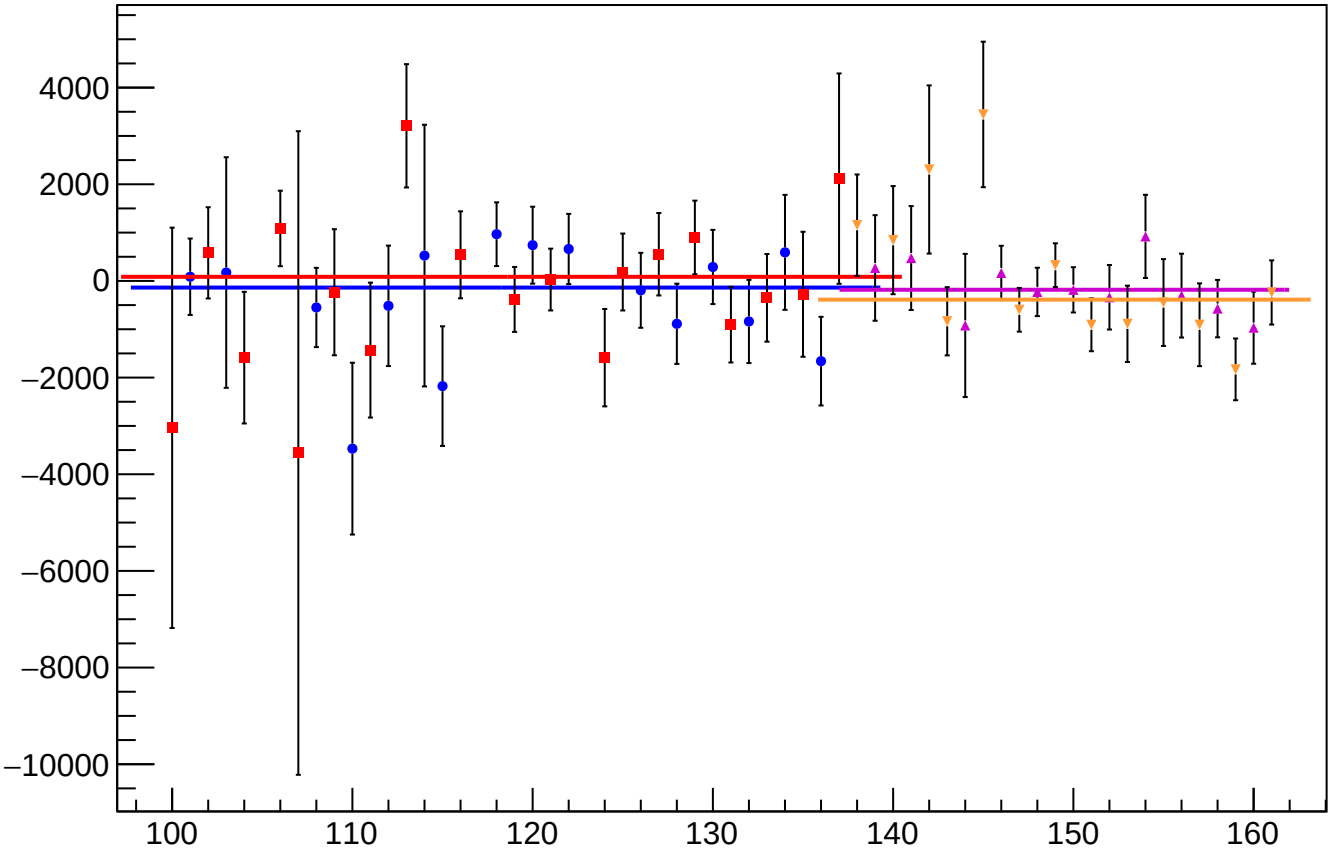
Left In: 1815.256+/-0.415 χ^2/NDF:1701.6/10

+ sign 1866.913+/-0.318 χ^2/NDF: 679196.6/28

All: 1871.798+/-0.227 χ^2/NDF: 1118648.0/58

- sign 1876.906+/-0.325 χ^2/NDF: 438967.5/29

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -387.087+/-194.198 χ^2/NDF:22.2/12

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

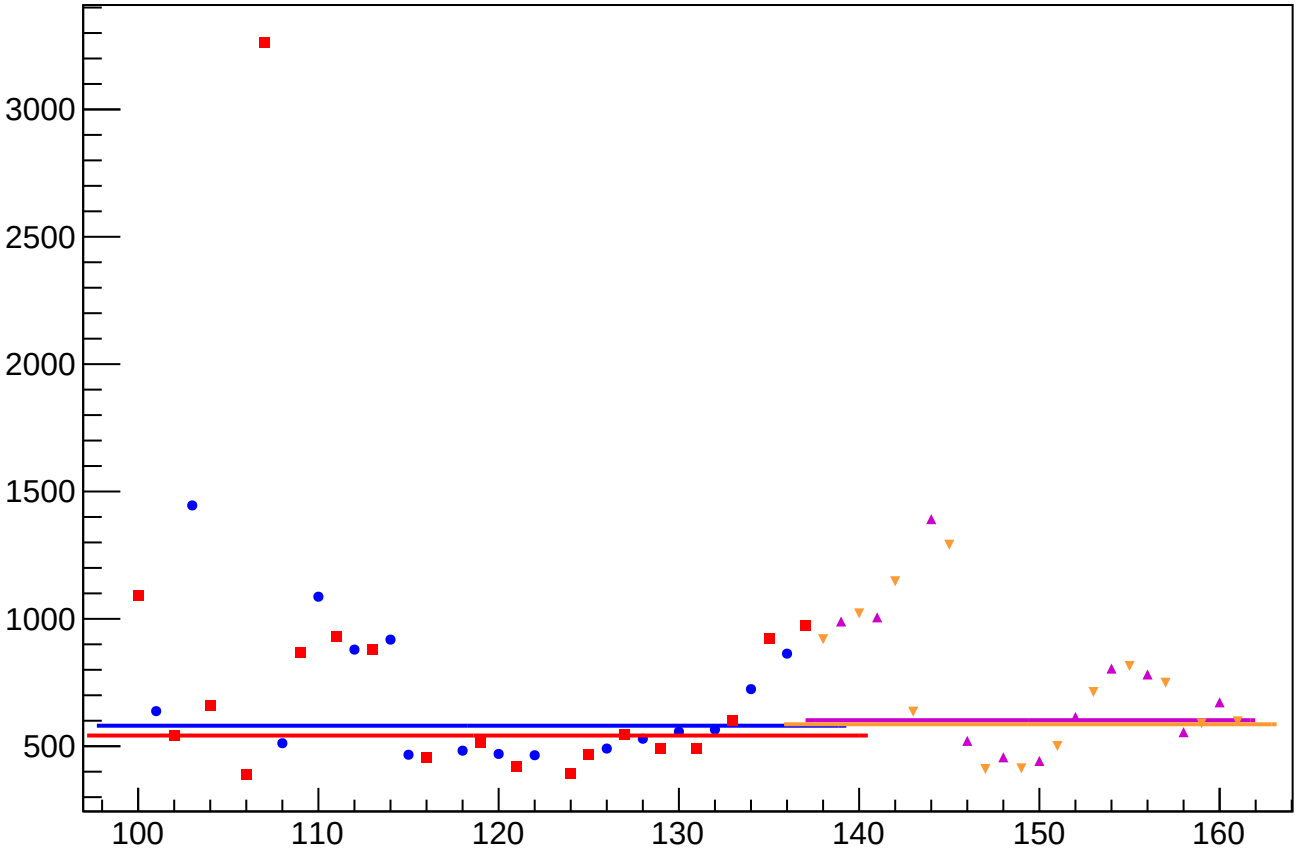
Left In: -182.870+/-206.585 χ^2/NDF:4.4/10

+ sign -283.407+/-148.483 χ^2/NDF: 39.7/28

All: -172.994+/-105.940 χ^2/NDF: 65.4/58

- sign -58.510+/-151.196 χ^2/NDF: 24.5/29

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 586.063+/-0.137 χ^2/NDF:2058636.3/12

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

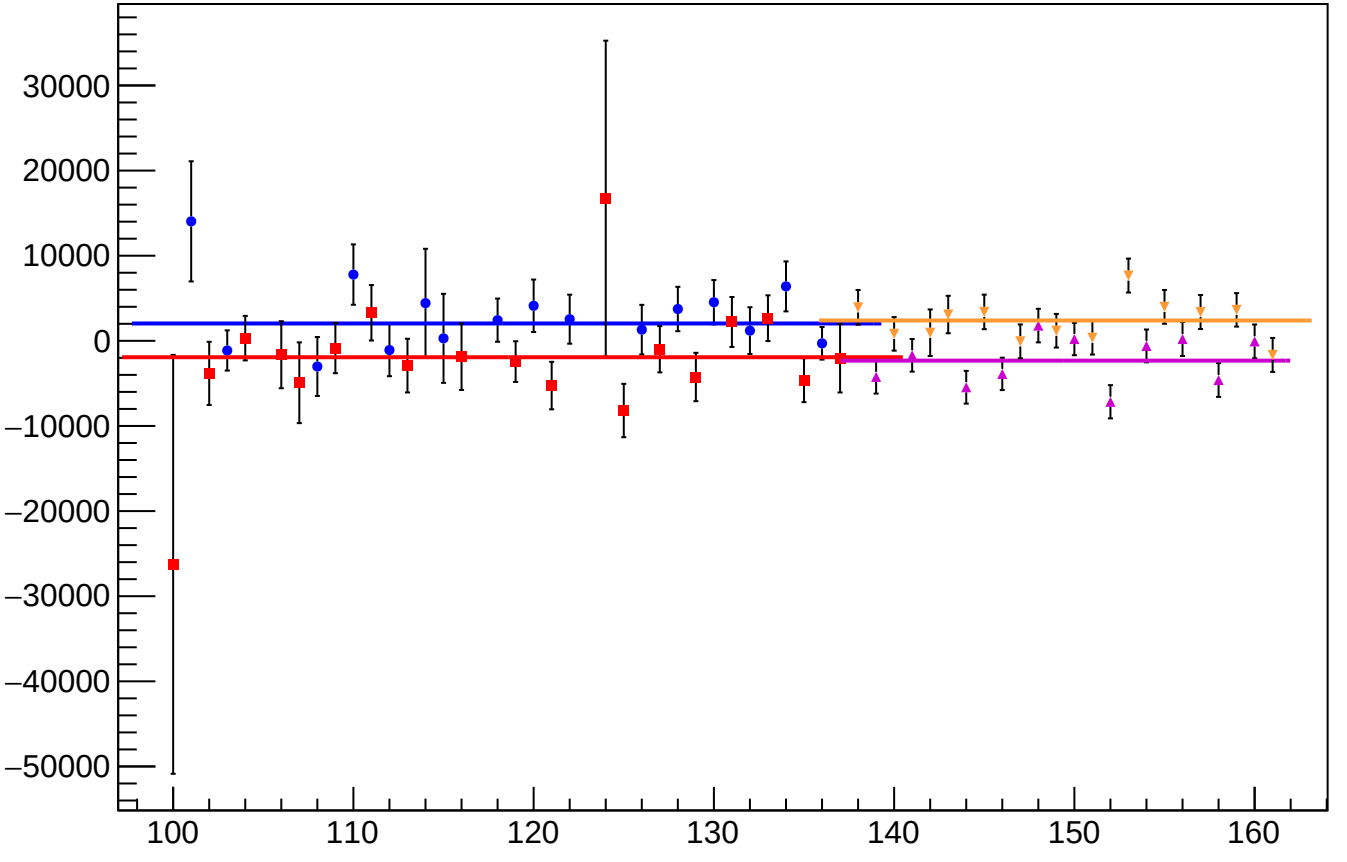
Left In: 602.105+/-0.146 χ^2/NDF:1774245.2/10

+ sign 583.760+/-0.105 χ^2/NDF: 3062213.9/28

All: 579.050+/-0.075 χ^2/NDF: 6238182.6/58

- sign 574.167+/-0.107 χ^2/NDF: 3171870.6/29

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2393.366+/-566.877 χ^2/NDF:17.2/12

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

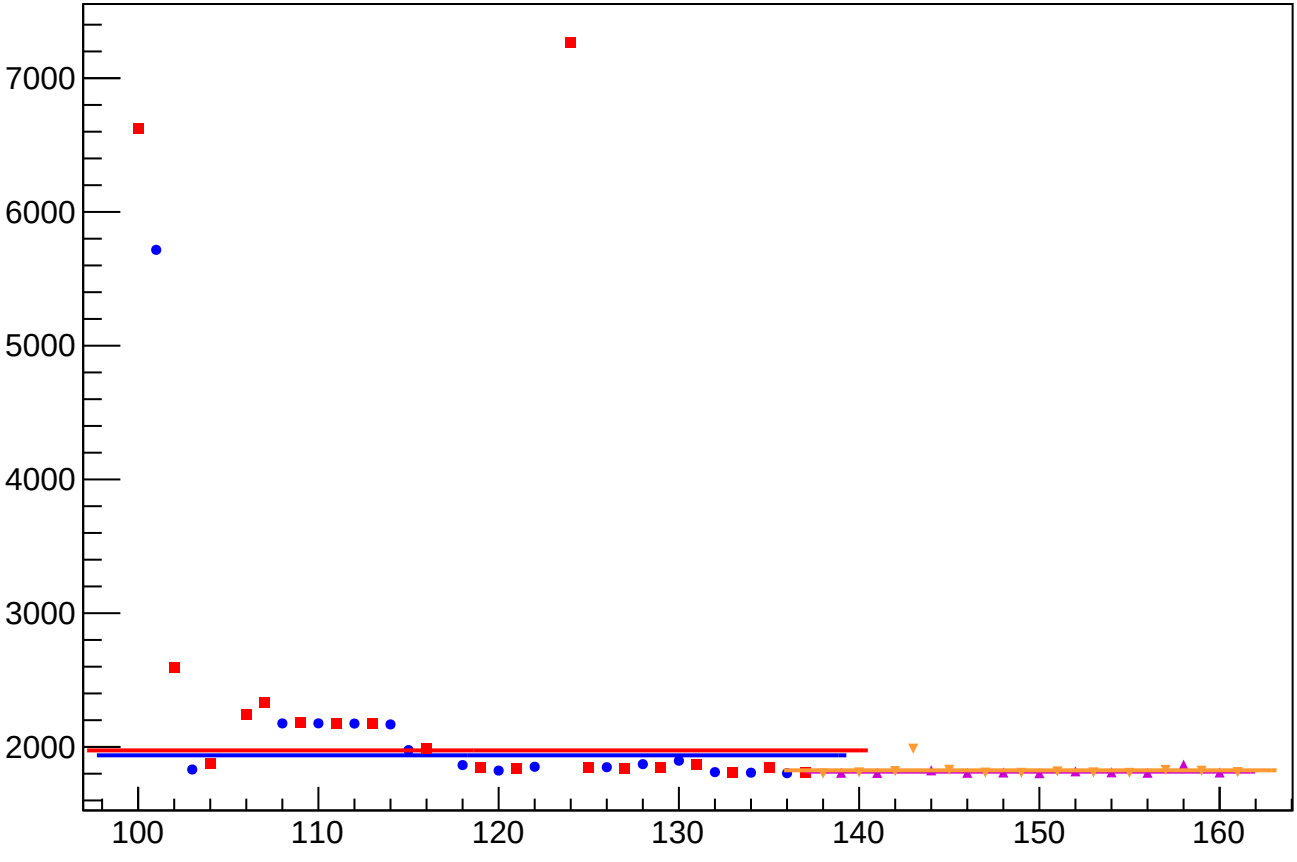
Left In: -2326.741+/-587.131 χ^2/NDF:21.7/10

+ sign 2261.409+/-449.155 χ^2/NDF: 33.8/28

All: 94.620+/-321.135 χ^2/NDF: 121.7/58

- sign -2171.362+/-459.321 χ^2/NDF: 40.3/29

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1825.210+/-0.401 χ^2/NDF:12024.1/12

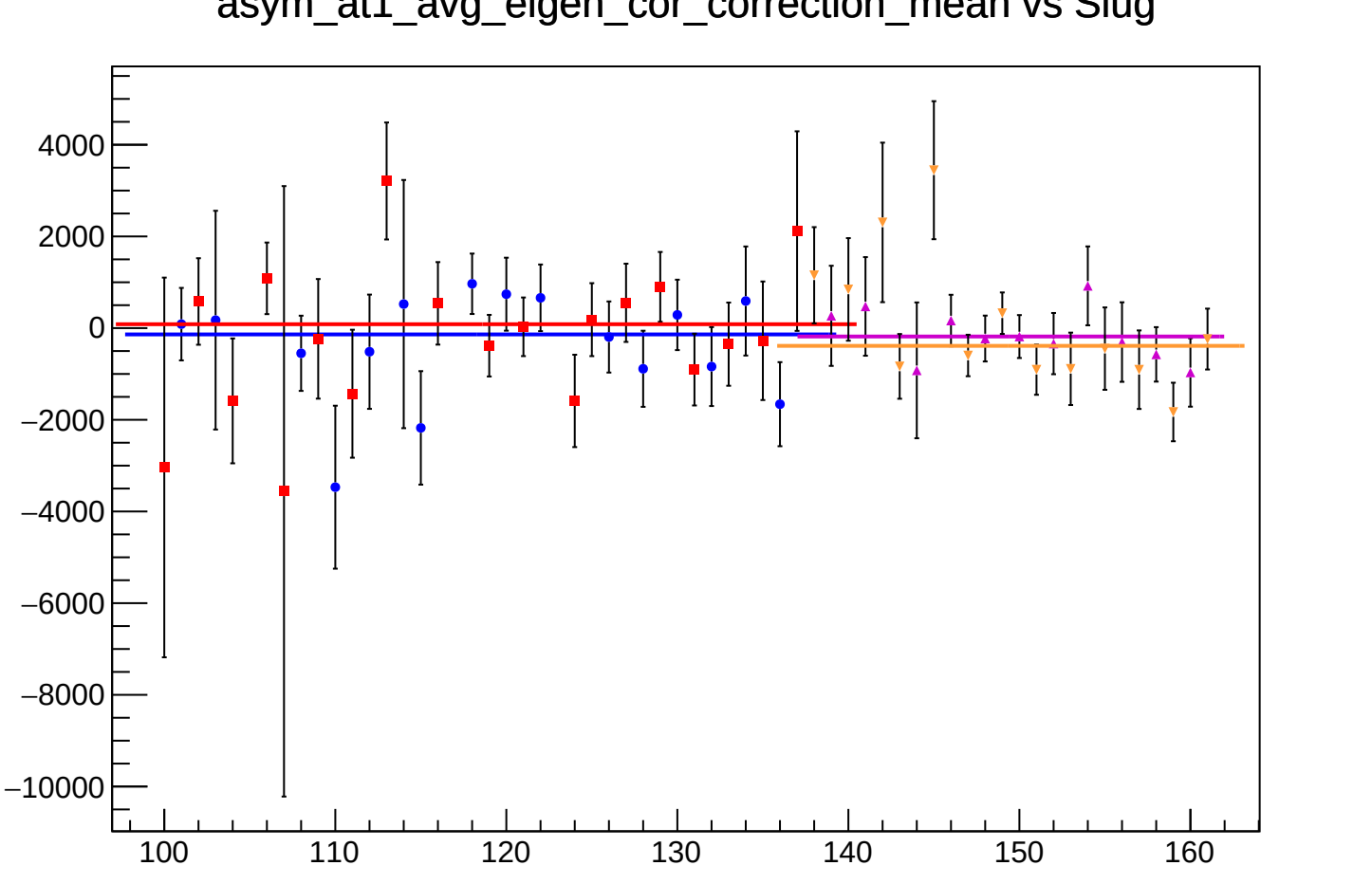
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1815.256+/-0.415 χ^2/NDF:1701.6/10

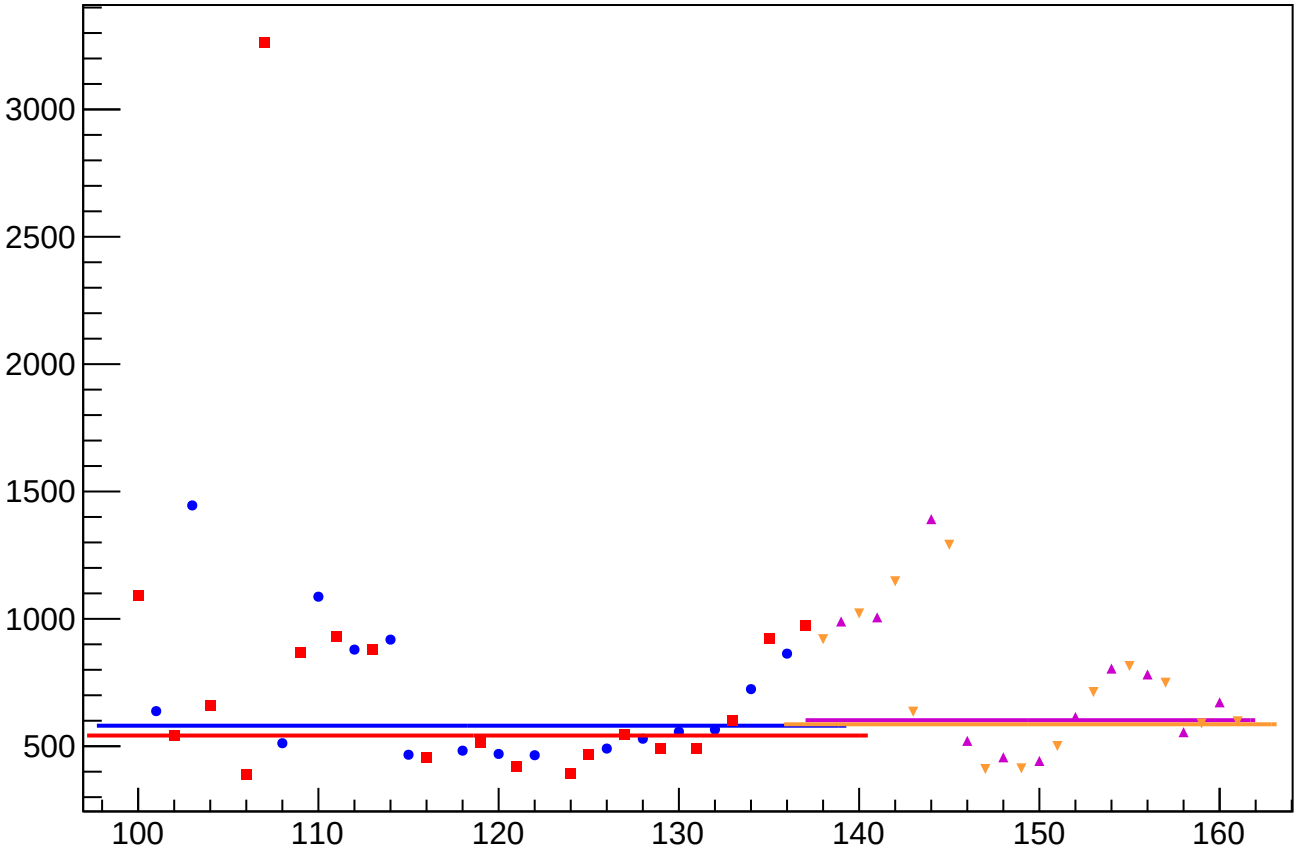
+ sign 1866.913+/-0.318 χ^2/NDF: 679196.6/28

All: 1871.798+/-0.227 χ^2/NDF: 1118648.0/58

- sign 1876.906+/-0.325 χ^2/NDF: 438967.5/29


asym_at1_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: -137.491+/-230.382 χ²/NDF: 16.9/15
Left Out: -387.087+/-194.198 χ²/NDF:22.2/12
Right Out: 84.947+/-221.881 χ²/NDF: 19.3/18
Left In: -182.870+/-206.585 χ²/NDF:4.4/10
+ sign -283.407+/-148.483 χ²/NDF: 39.7/28
All: -172.994+/-105.940 χ²/NDF: 65.4/58
- sign -58.510+/-151.196 χ²/NDF: 24.5/29

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 586.063+/-0.137 χ^2/NDF:2058636.3/12

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

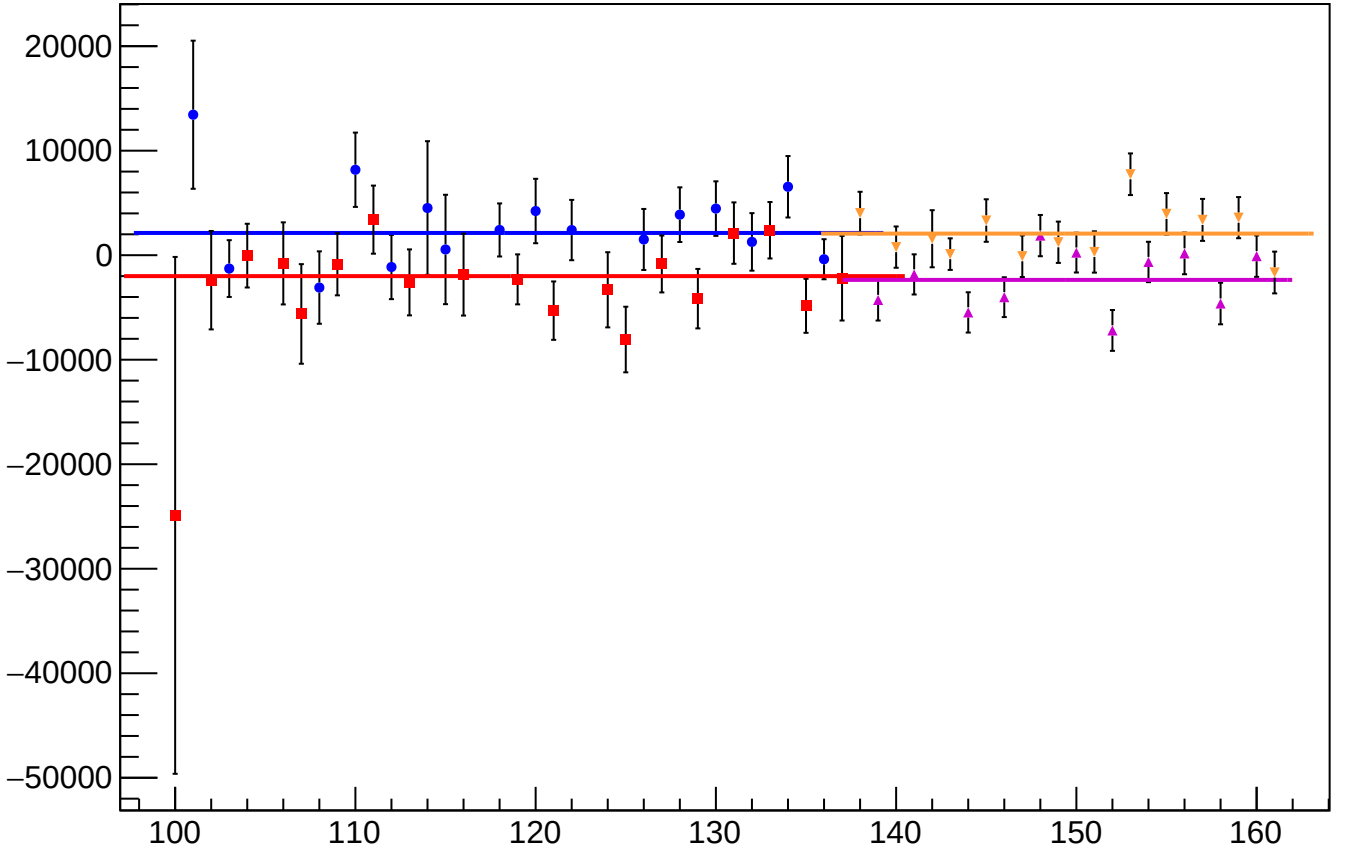
Left In: 602.105+/-0.146 χ^2/NDF:1774245.2/10

+ sign 583.760+/-0.105 χ^2/NDF: 3062213.9/28

All: 579.050+/-0.075 χ^2/NDF: 6238182.6/58

- sign 574.167+/-0.107 χ^2/NDF: 3171870.6/29

dit_asym_at1_avg_mean vs Slug



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2066.573+/-547.430 χ^2/NDF:19.1/12

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

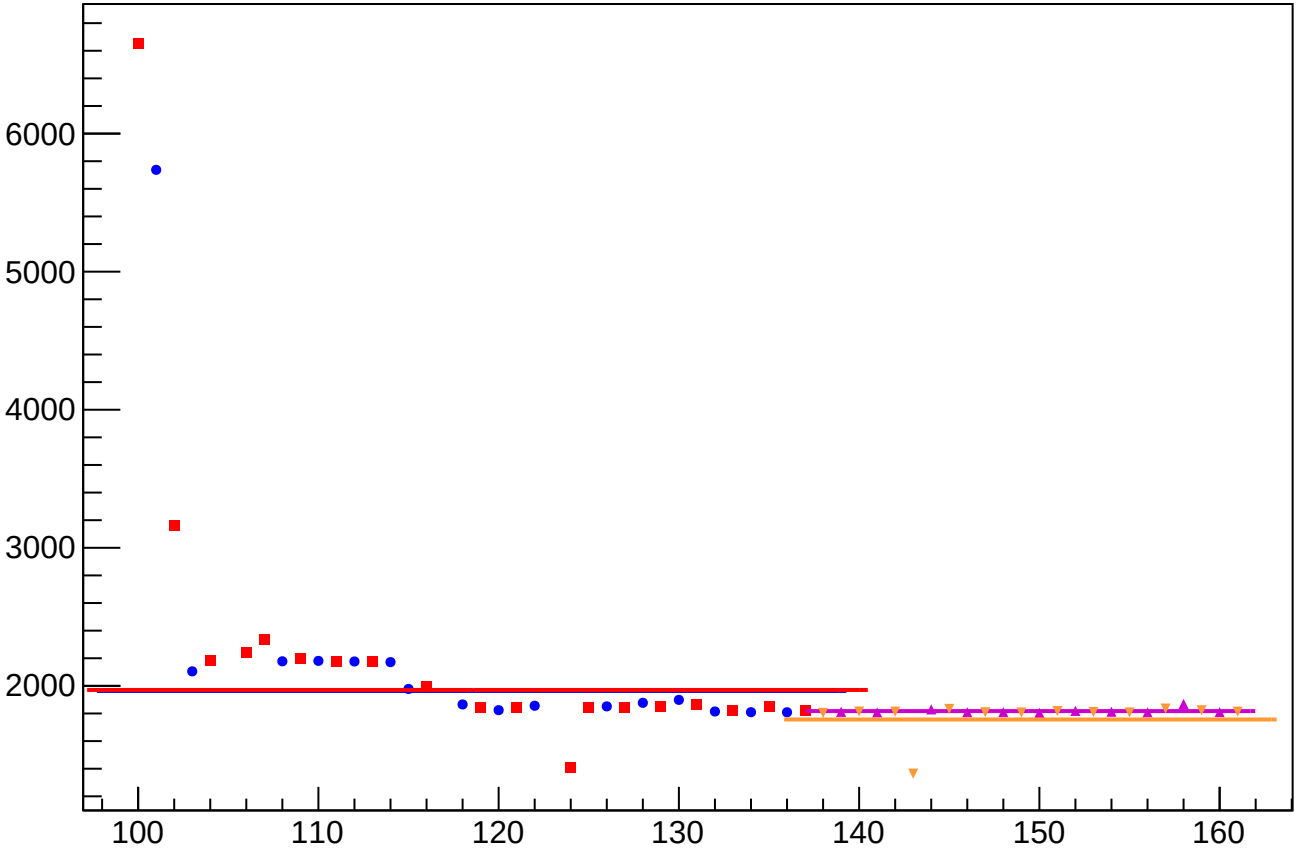
Left In: -2362.790+/-587.810 χ^2/NDF:22.0/10

+ sign 2088.326+/-441.398 χ^2/NDF: 35.6/28

All: 19.865+/-318.354 χ^2/NDF: 120.3/58

- sign -2222.646+/-459.594 χ^2/NDF: 38.9/29

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1756.409+/-0.387 χ^2/NDF:155895.1/12

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

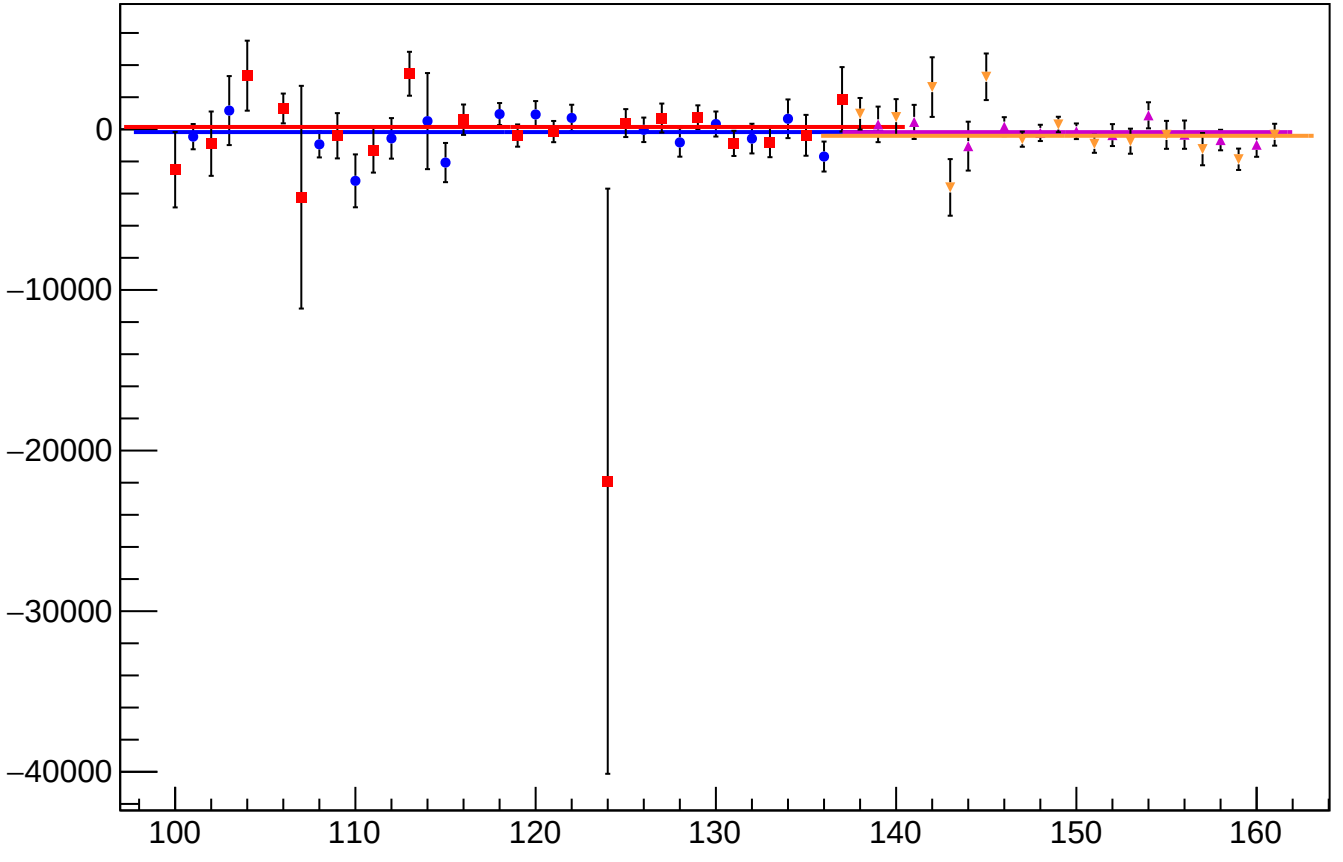
Left In: 1817.325+/-0.416 χ^2/NDF:1732.5/10

+ sign 1828.833+/-0.312 χ^2/NDF: 896204.7/28

All: 1851.869+/-0.225 χ^2/NDF: 1307181.2/58

- sign 1876.844+/-0.325 χ^2/NDF: 399623.1/29

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -402.817+/-207.213 χ^2/NDF:24.3/12

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

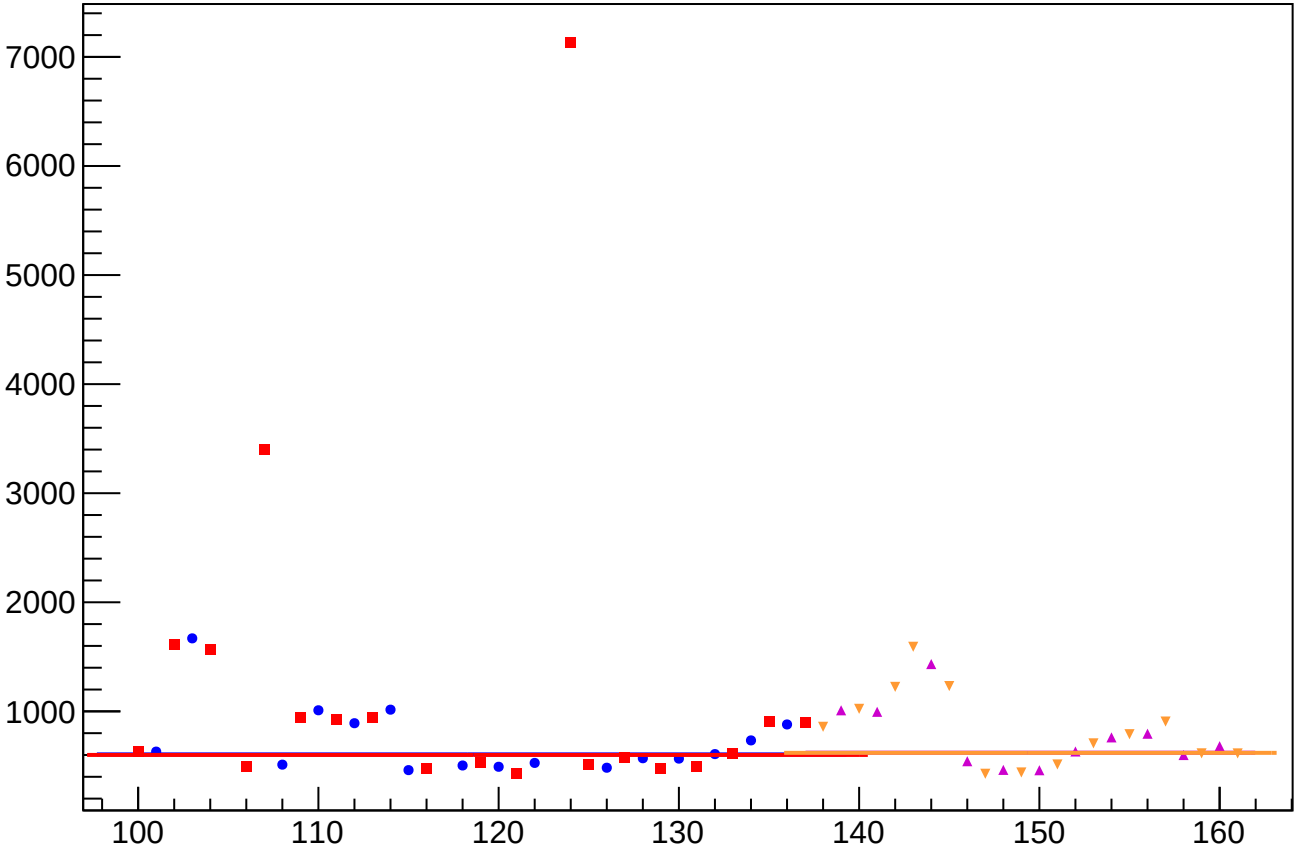
Left In: -174.299+/-211.754 χ^2/NDF:4.7/10

\+ sign -302.244+/-155.971 χ^2/NDF: 42.1/28

All: -171.848+/-111.550 χ^2/NDF: 69.3/58

\- sign -35.312+/-159.601 χ^2/NDF: 25.8/29

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 619.606+/-0.147 χ^2/NDF:2503679.0/12

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

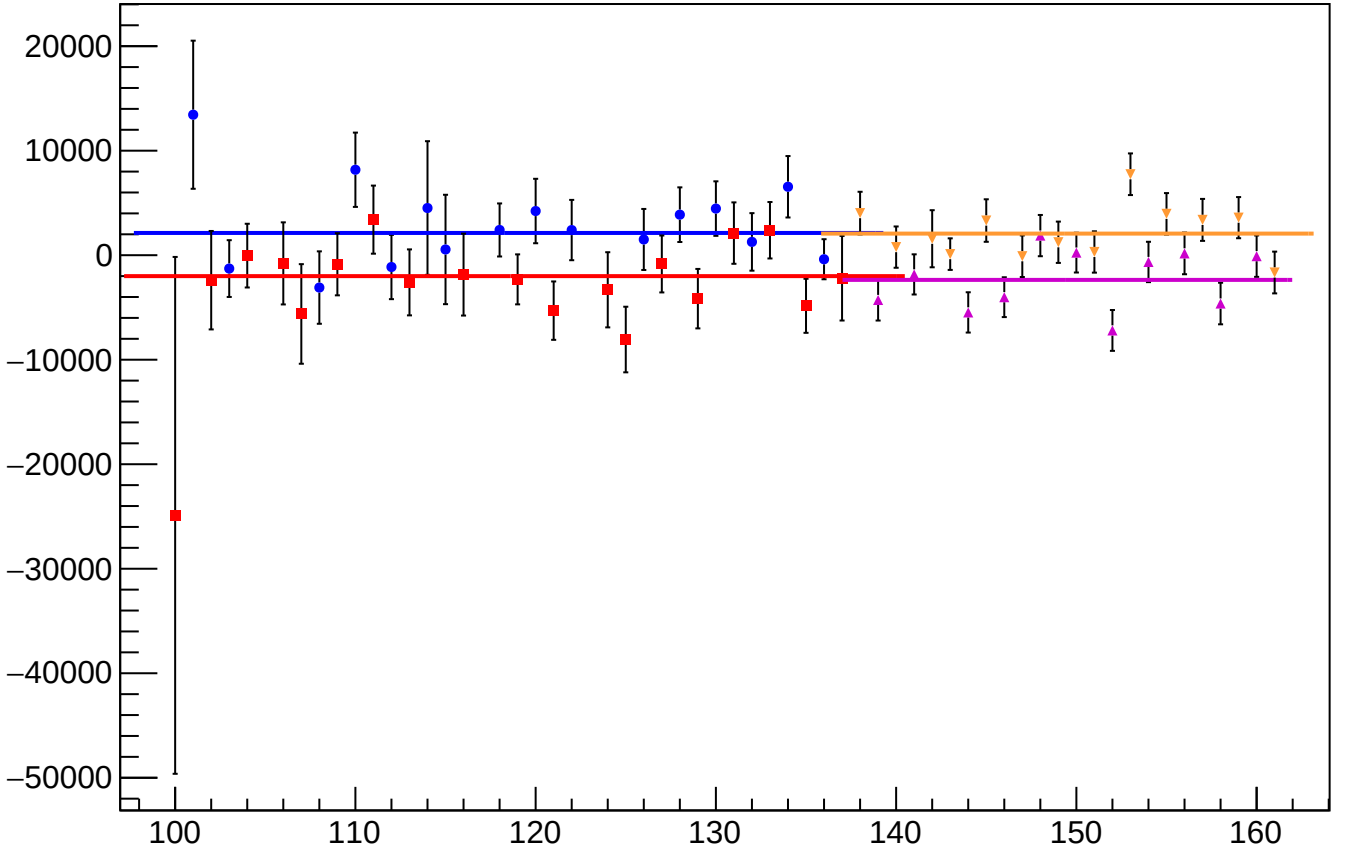
Left In: 620.867+/-0.150 χ^2/NDF:1665766.2/10

+ sign 613.462+/-0.110 χ^2/NDF: 3670191.0/28

All: 612.770+/-0.079 χ^2/NDF: 7672594.4/58

- sign 612.047+/-0.113 χ^2/NDF: 4002322.9/29

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2066.574+/-547.430 χ^2/NDF:19.1/12

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

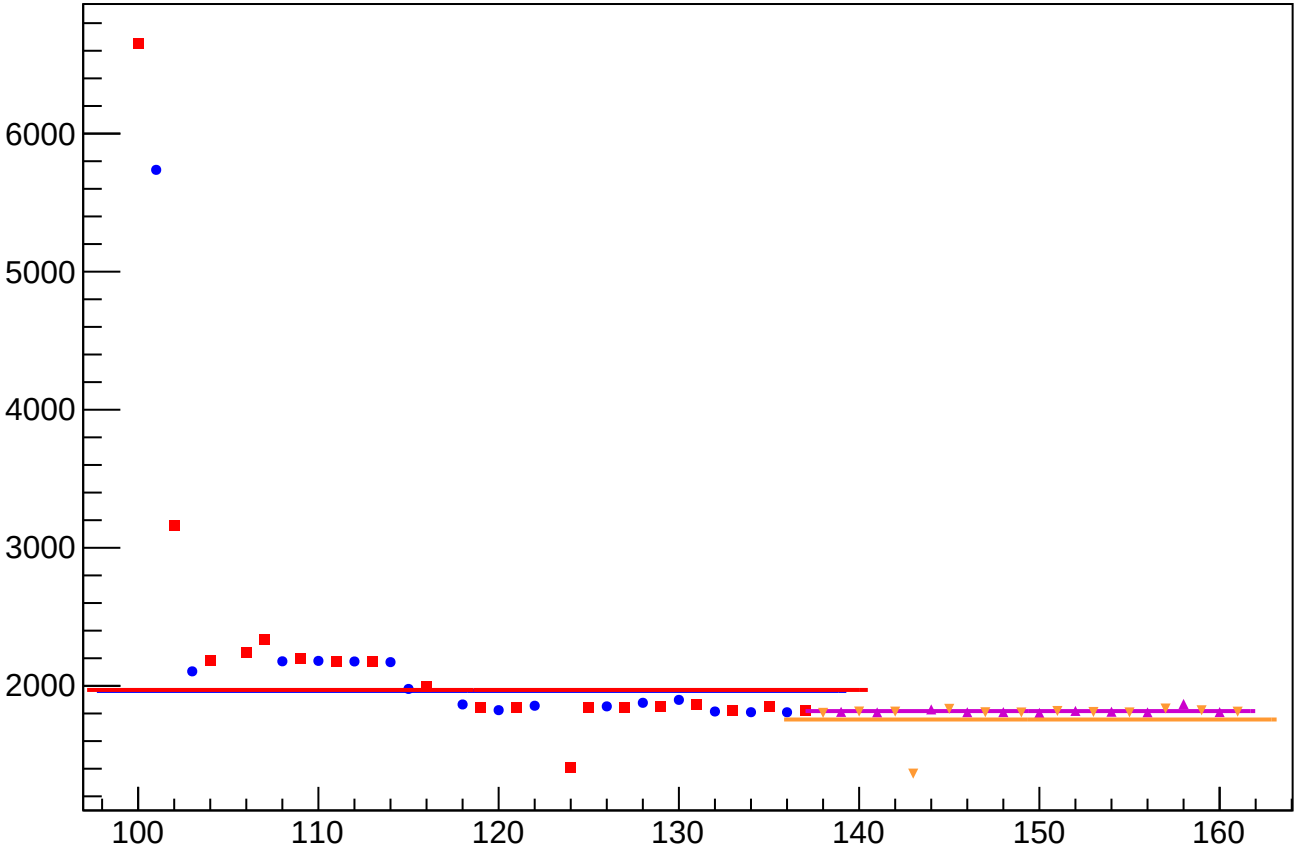
Left In: -2362.790+/-587.810 χ^2/NDF:22.0/10

+ sign 2088.326+/-441.398 χ^2/NDF: 35.6/28

All: 19.865+/-318.354 χ^2/NDF: 120.3/58

- sign -2222.645+/-459.594 χ^2/NDF: 38.9/29

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1756.409+/-0.387 χ^2/NDF:155895.1/12

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

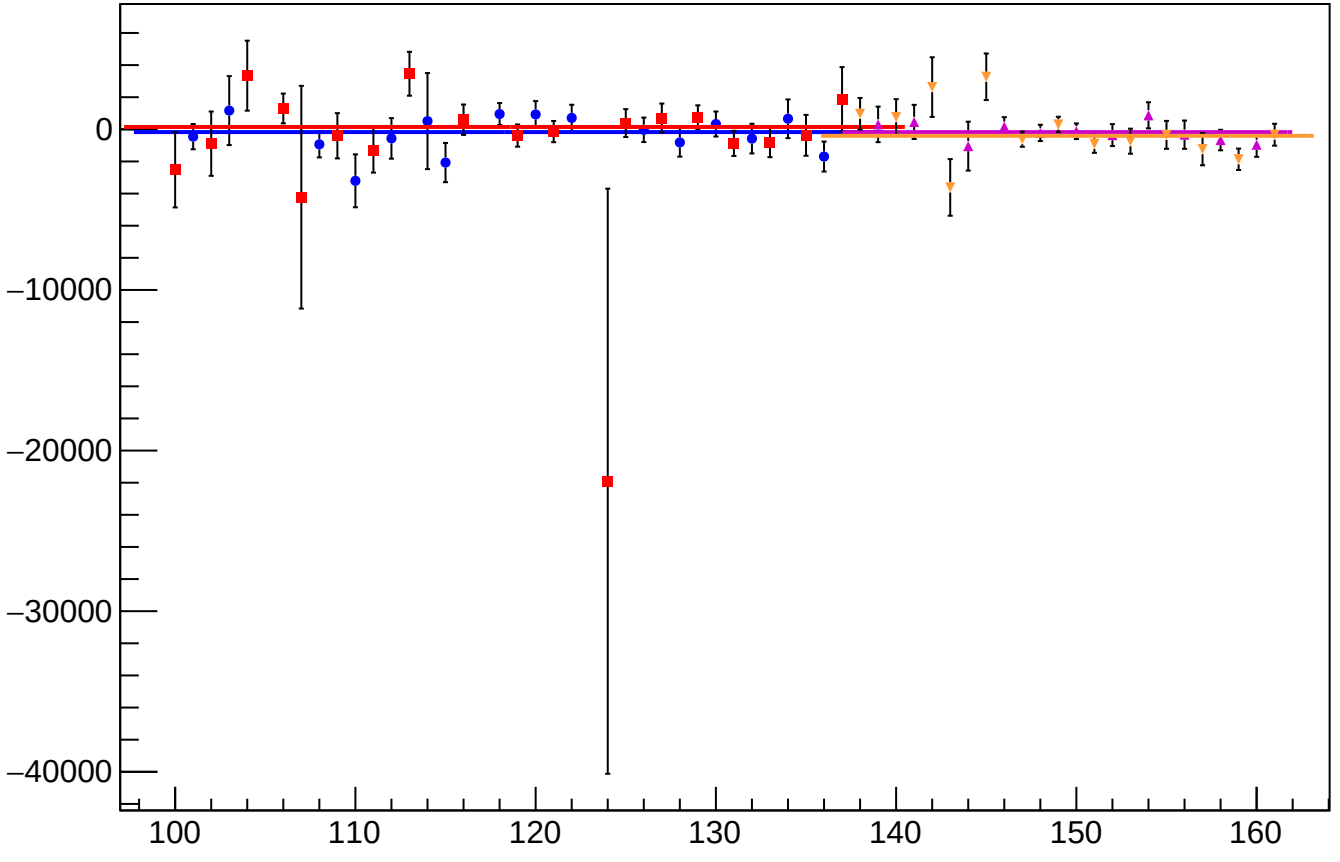
Left In: 1817.325+/-0.416 χ^2/NDF:1732.5/10

+ sign 1828.833+/-0.312 χ^2/NDF: 896204.1/28

All: 1851.869+/-0.225 χ^2/NDF: 1307179.2/58

- sign 1876.844+/-0.325 χ^2/NDF: 399621.7/29

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -402.818+/-207.213 χ^2/NDF:24.3/12

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

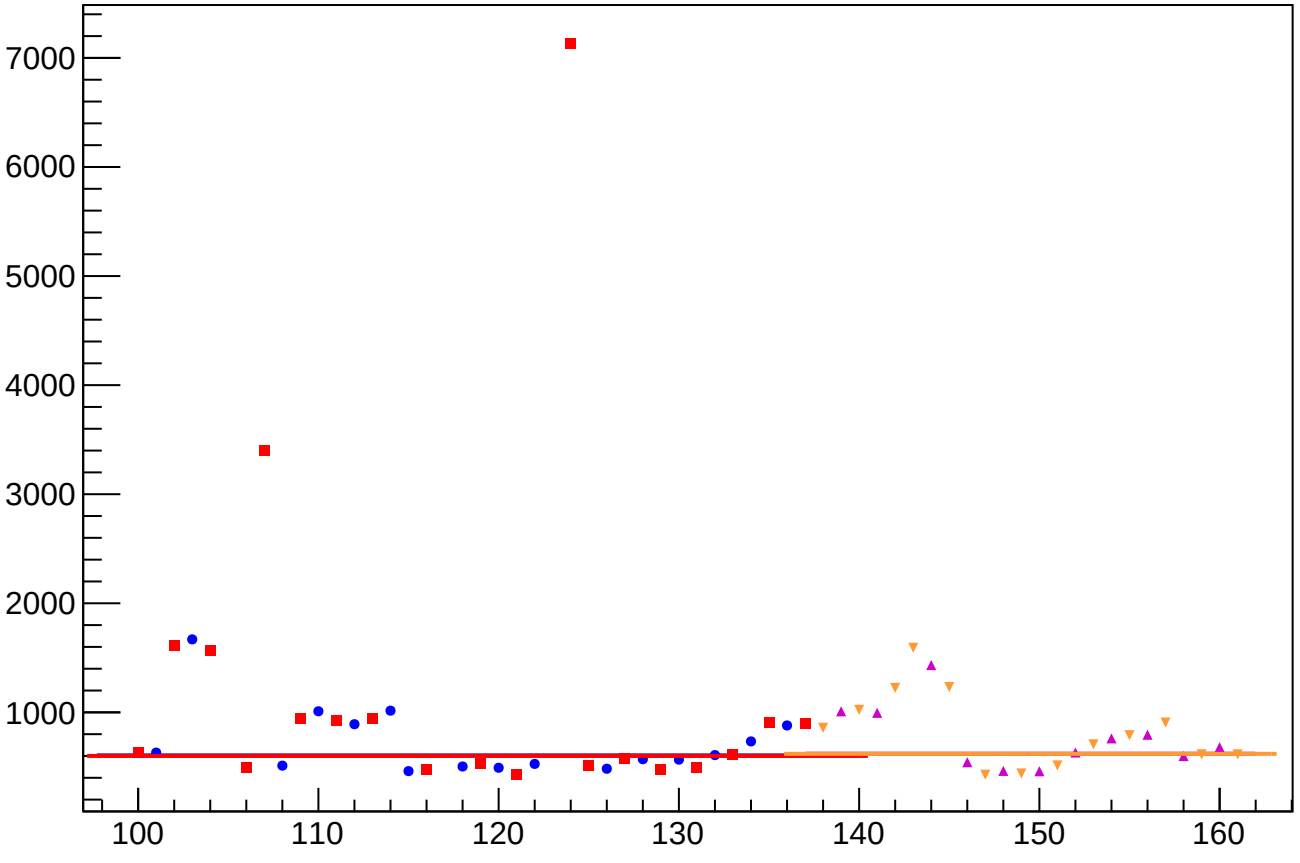
Left In: -174.299+/-211.754 χ^2/NDF:4.7/10

+ sign -302.243+/-155.971 χ^2/NDF: 42.1/28

All: -171.847+/-111.550 χ^2/NDF: 69.3/58

- sign -35.312+/-159.601 χ^2/NDF: 25.8/29

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 619.607+/-0.147 χ^2/NDF:2503670.6/12

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

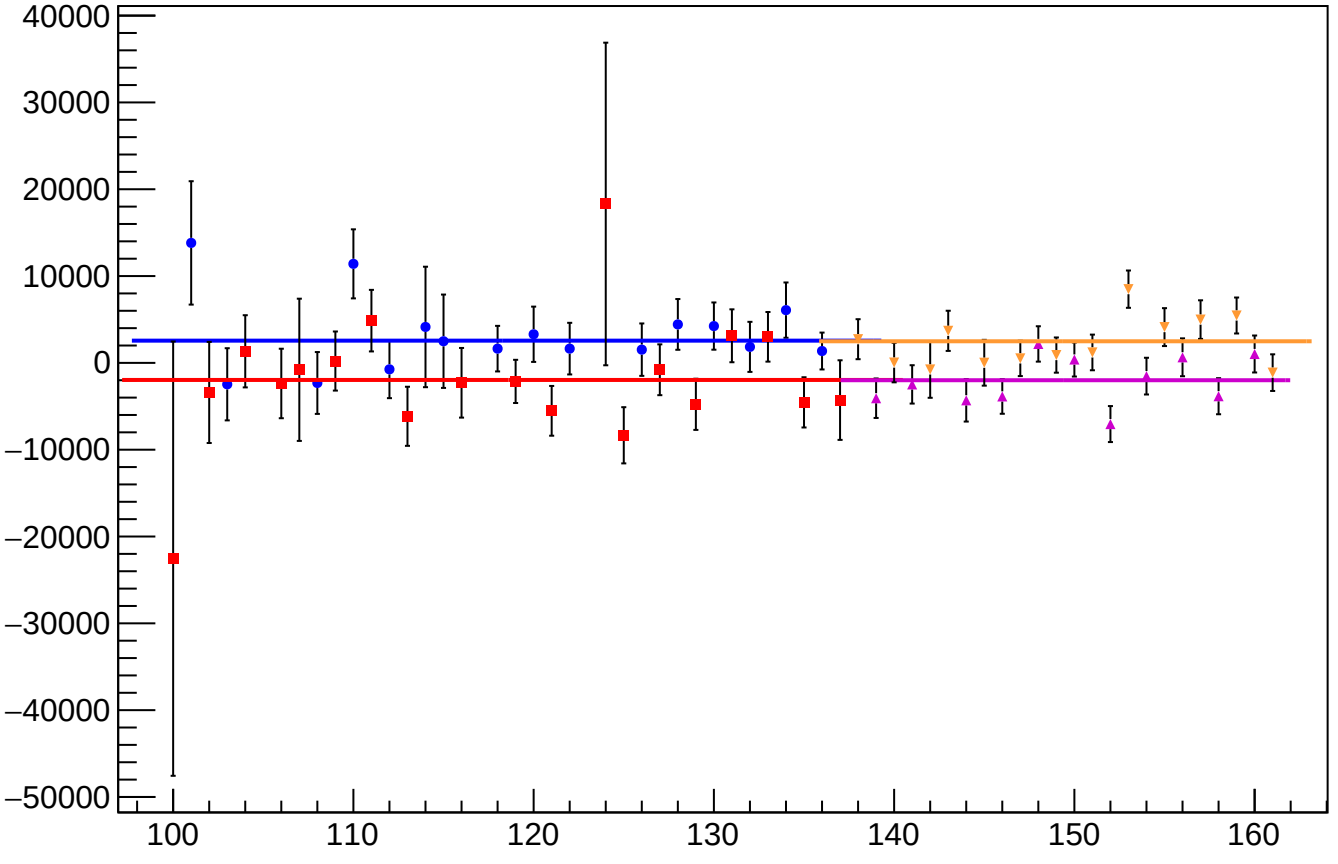
Left In: 620.868+/-0.150 χ^2/NDF:1665760.8/10

+ sign 613.462+/-0.110 χ^2/NDF: 3670191.8/28

All: 612.771+/-0.079 χ^2/NDF: 7672599.2/58

- sign 612.047+/-0.113 χ^2/NDF: 4002327.1/29

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2488.618+/-618.619 χ^2/NDF:19.9/12

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

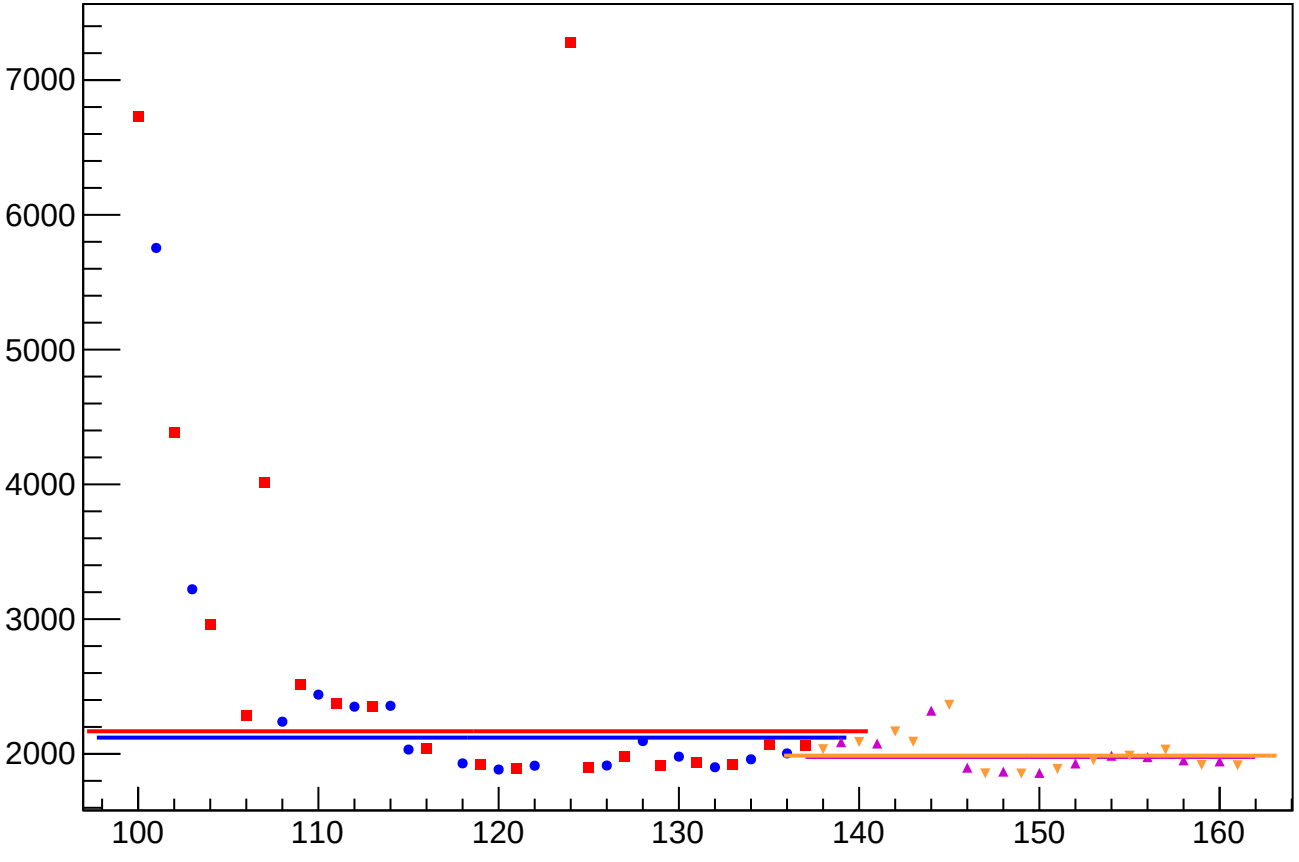
Left In: -1997.797+/-640.889 χ^2/NDF:18.6/10

+ sign 2515.287+/-491.561 χ^2/NDF: 34.5/28

All: 323.939+/-352.135 χ^2/NDF: 115.5/58

- sign -1985.996+/-504.686 χ^2/NDF: 40.2/29

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1987.111+/-0.437 χ^2/NDF:83213.5/12

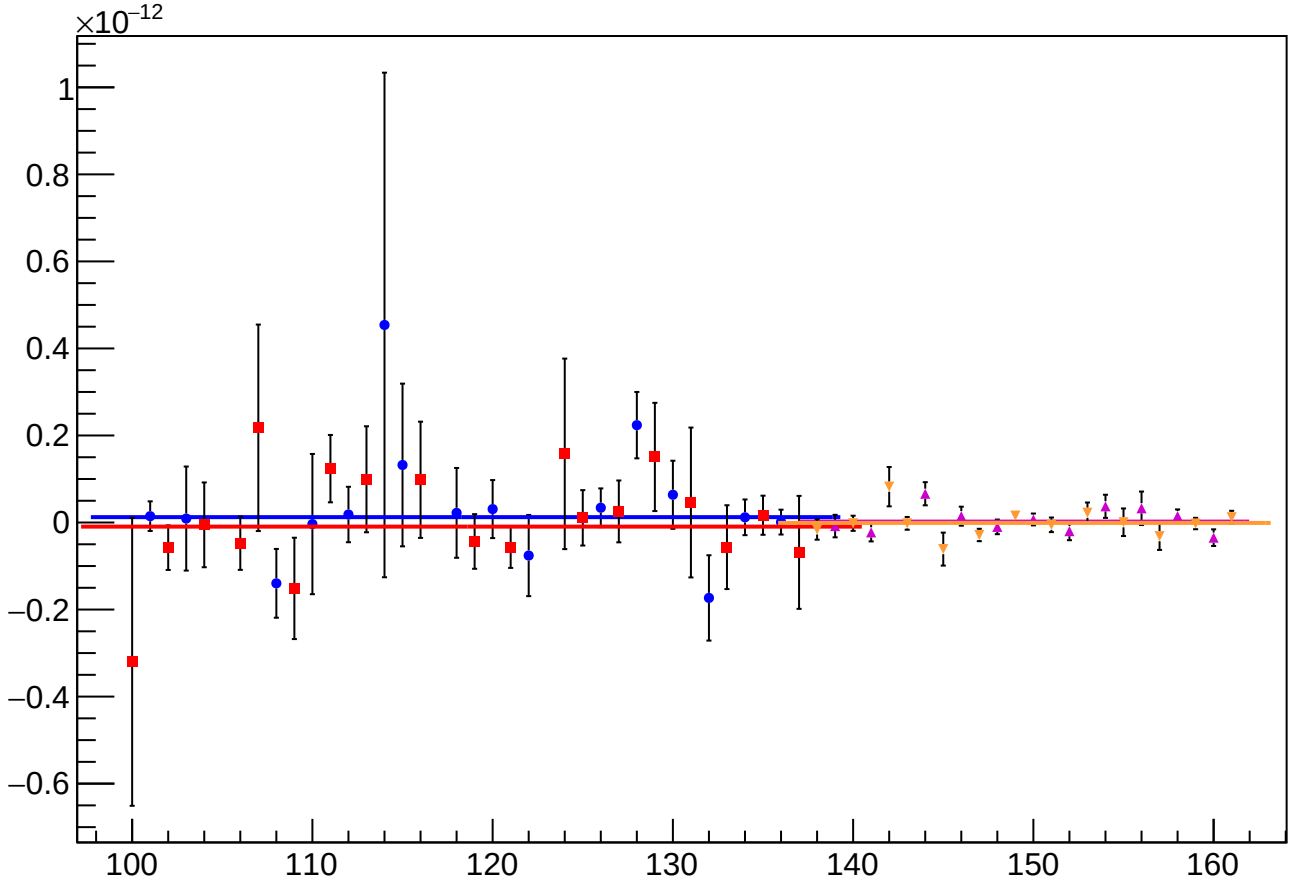
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1977.266+/-0.453 χ^2/NDF:66147.7/10

+ sign 2036.380+/-0.348 χ^2/NDF: 877600.1/28

All: 2042.846+/-0.249 χ^2/NDF: 1835563.9/58

- sign 2049.661+/-0.357 χ^2/NDF: 957253.0/29



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/12

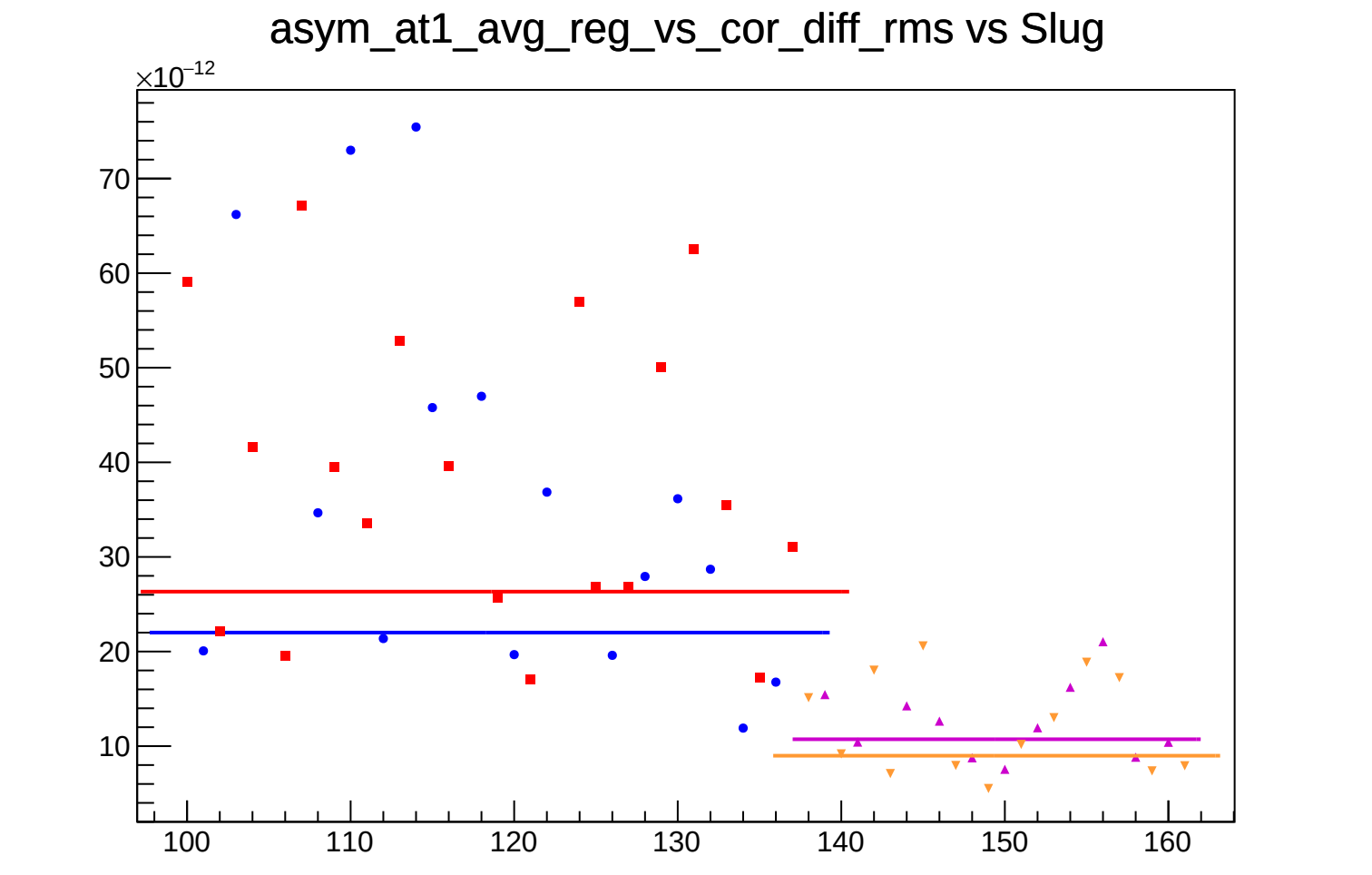
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

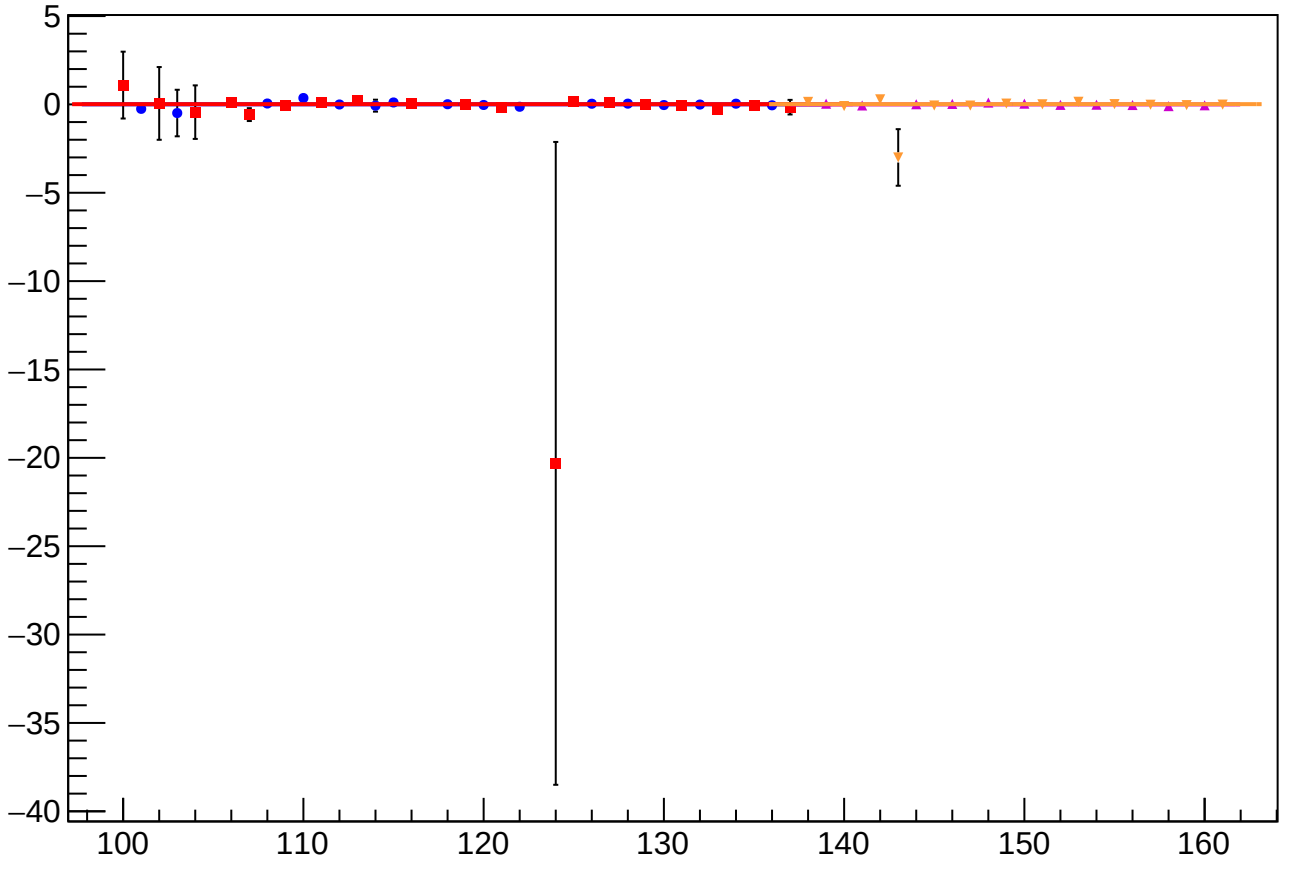
Left In: 0.000+/-0.000 χ^2/NDF:16.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 33.5/28

All: 0.000+/-0.000 χ^2/NDF: 63.9/58

- sign 0.000+/-0.000 χ^2/NDF: 30.4/29


asym_at1_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1064677.8/12
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:520712.5/10
+ sign 0.000+/-0.000 χ²/NDF: 3501331.8/28
All: 0.000+/-0.000 χ²/NDF: 6219644.3/58
- sign 0.000+/-0.000 χ²/NDF: 2573482.1/29



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.017 χ^2/NDF:22.7/12

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

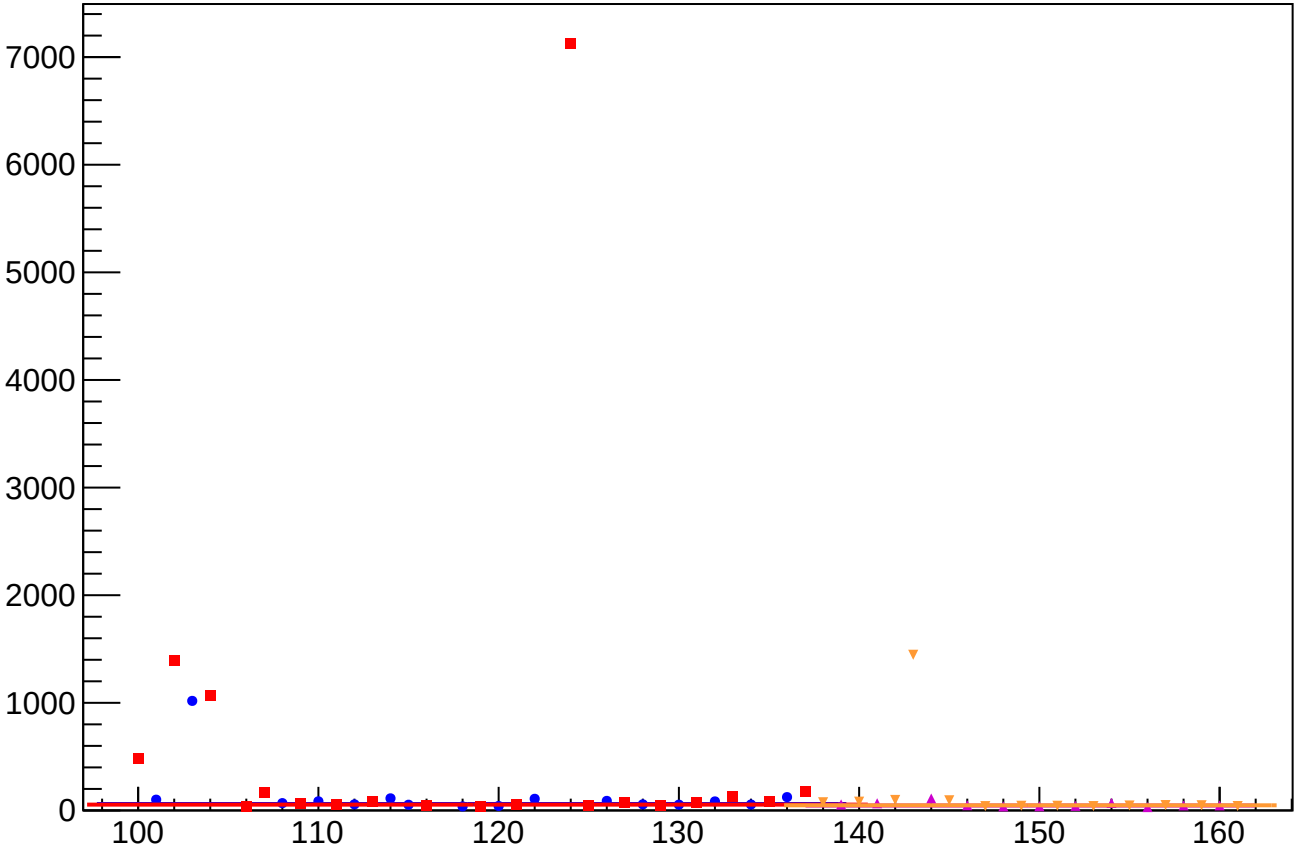
Left In: -0.001+/-0.017 χ^2/NDF:12.1/10

+ sign 0.011+/-0.015 χ^2/NDF: 34.2/28

All: 0.007+/-0.010 χ^2/NDF: 64.3/58

- sign 0.003+/-0.014 χ^2/NDF: 29.9/29

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 47.902+/-0.012 χ^2/NDF:2670885.7/12

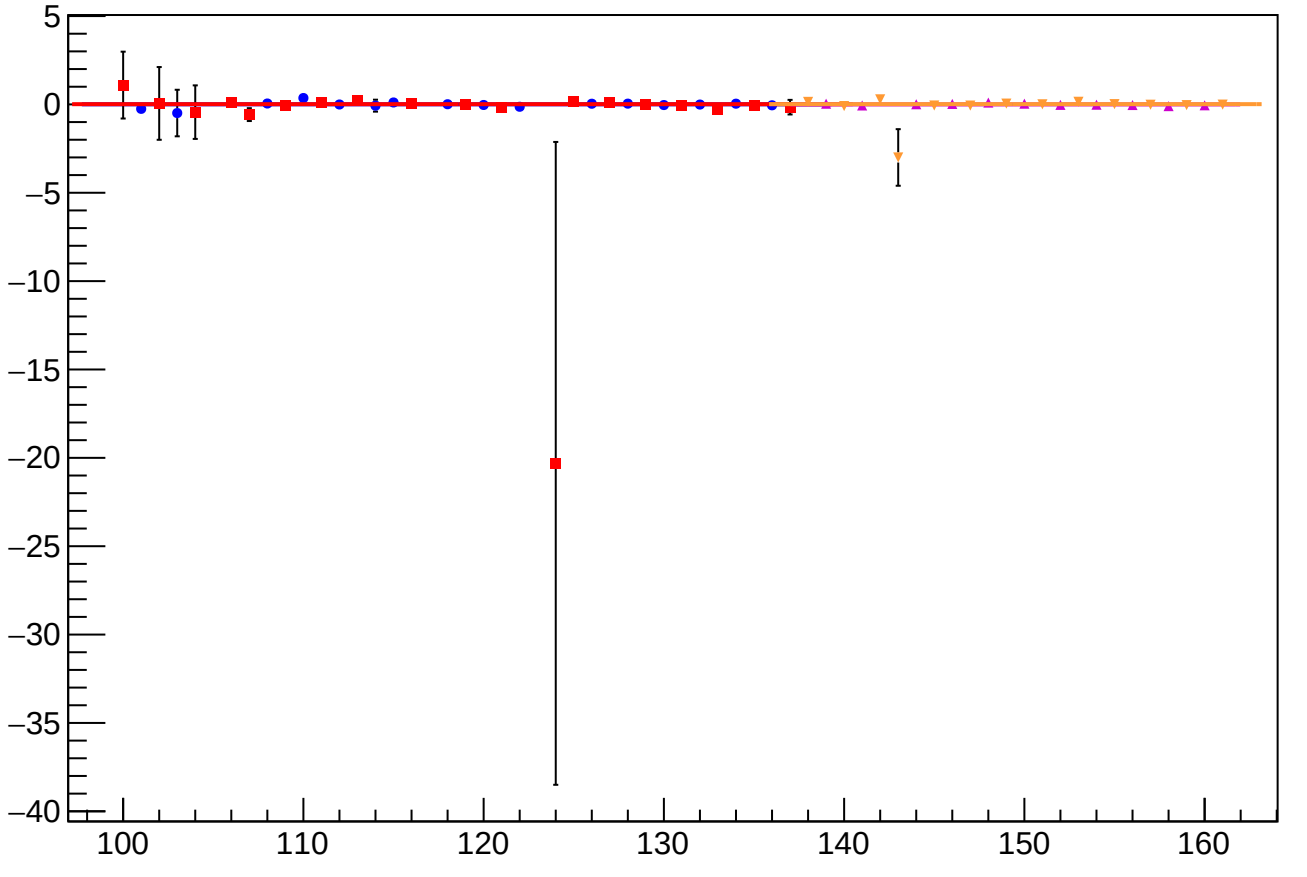
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.746+/-0.012 χ^2/NDF:1329221.1/10

+ sign 51.448+/-0.010 χ^2/NDF: 5490441.4/28

All: 49.797+/-0.007 χ^2/NDF: 10543675.8/58

- sign 48.262+/-0.010 χ^2/NDF: 5003629.8/29



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.017 χ^2/NDF:22.7/12

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

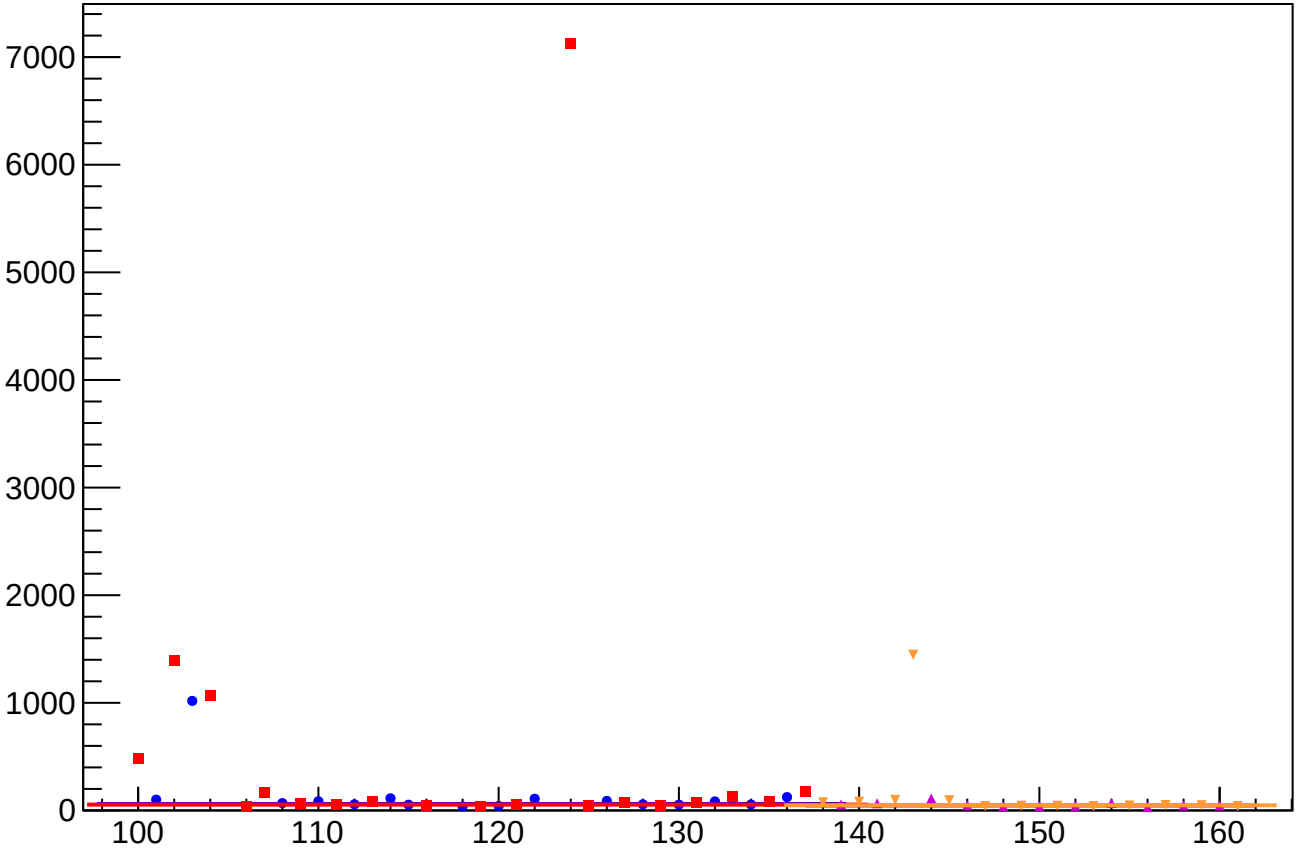
Left In: -0.001+/-0.017 χ^2/NDF:12.1/10

+ sign 0.011+/-0.015 χ^2/NDF: 34.2/28

All: 0.007+/-0.010 χ^2/NDF: 64.3/58

- sign 0.003+/-0.014 χ^2/NDF: 29.9/29

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: 47.902+/-0.012 χ^2/NDF:2670885.7/12

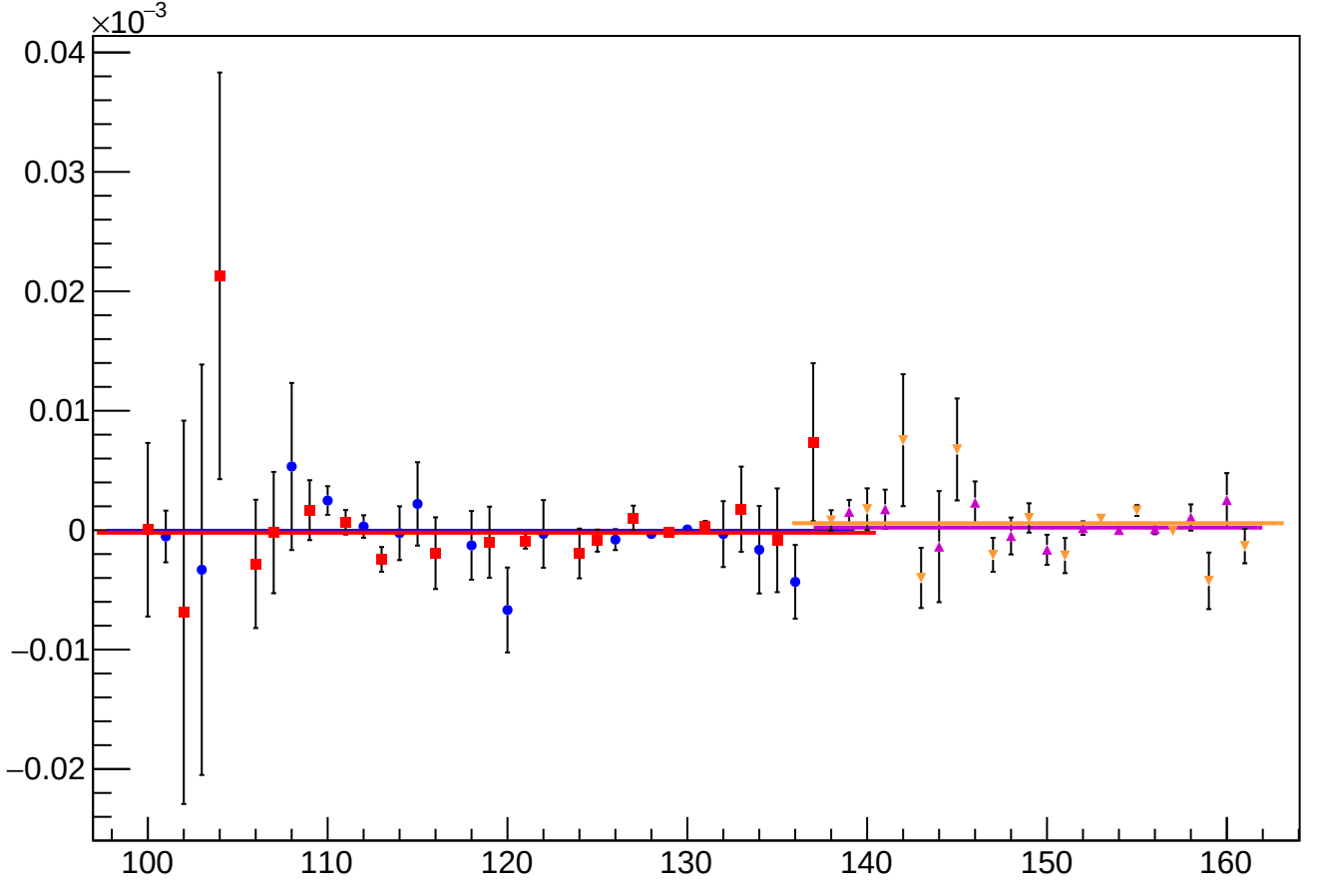
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.746+/-0.012 χ^2/NDF:1329221.1/10

+ sign 51.448+/-0.010 χ^2/NDF: 5490441.4/28

All: 49.797+/-0.007 χ^2/NDF: 10543675.8/58

- sign 48.262+/-0.010 χ^2/NDF: 5003629.8/29



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.6/12

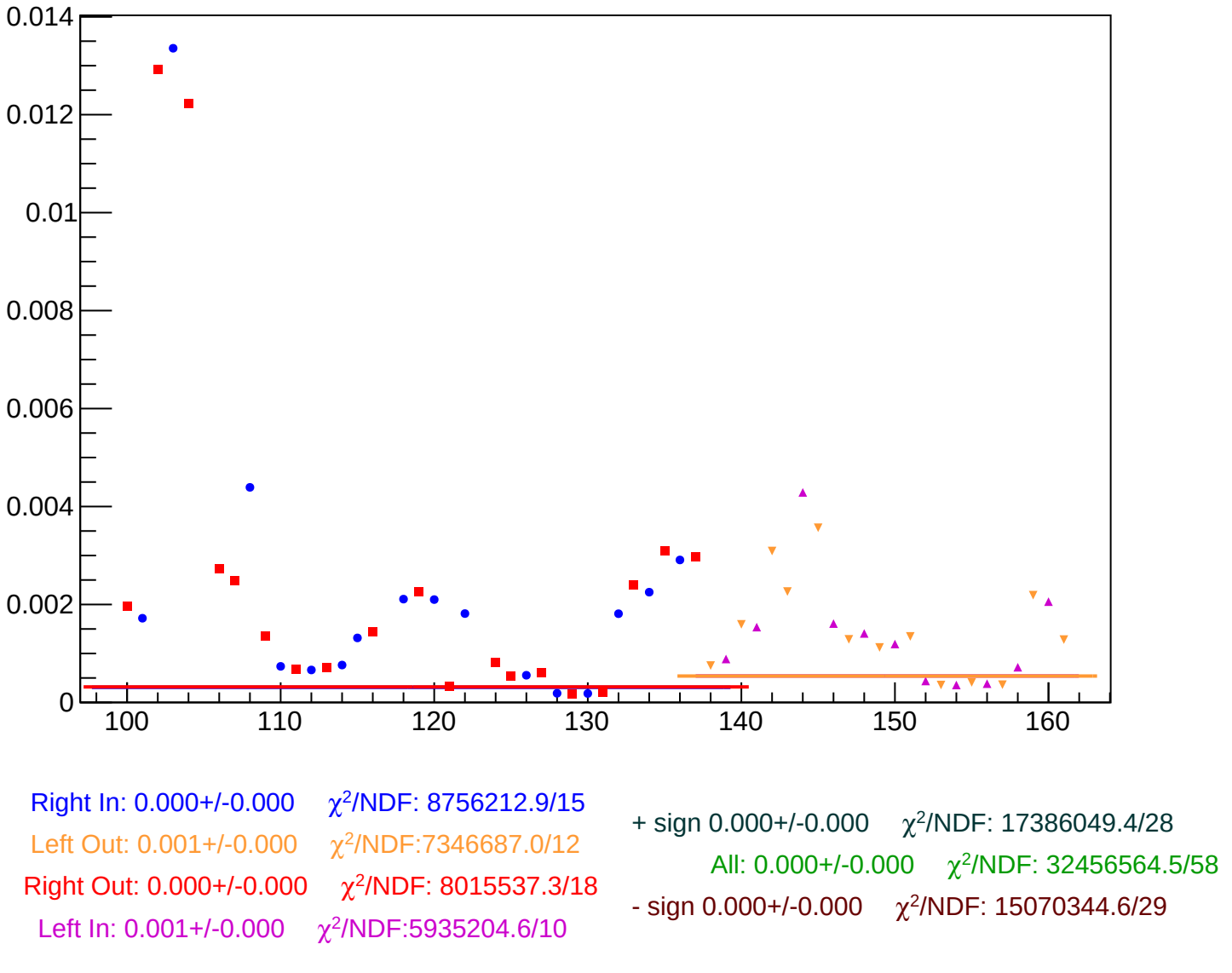
Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

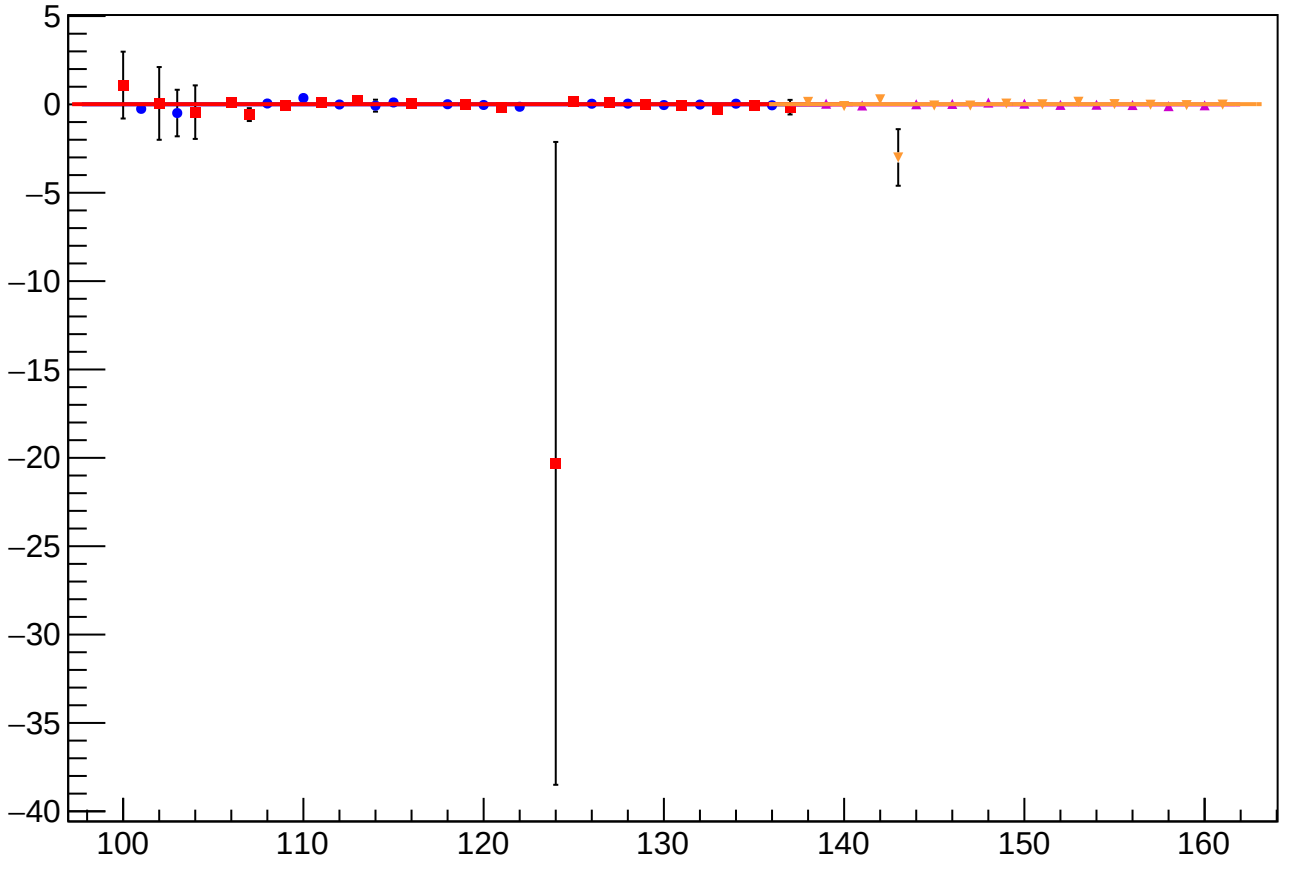
Left In: 0.000+/-0.000 χ^2/NDF:8.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 47.3/28

All: 0.000+/-0.000 χ^2/NDF: 75.2/58

- sign -0.000+/-0.000 χ^2/NDF: 26.2/29


asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 8756212.9/15
Left Out: 0.001+/-0.000 χ²/NDF:7346687.0/12
Right Out: 0.000+/-0.000 χ²/NDF: 8015537.3/18
Left In: 0.001+/-0.000 χ²/NDF:5935204.6/10
+ sign 0.000+/-0.000 χ²/NDF: 17386049.4/28
All: 0.000+/-0.000 χ²/NDF: 32456564.5/58
- sign 0.000+/-0.000 χ²/NDF: 15070344.6/29



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.017 χ^2/NDF:22.7/12

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

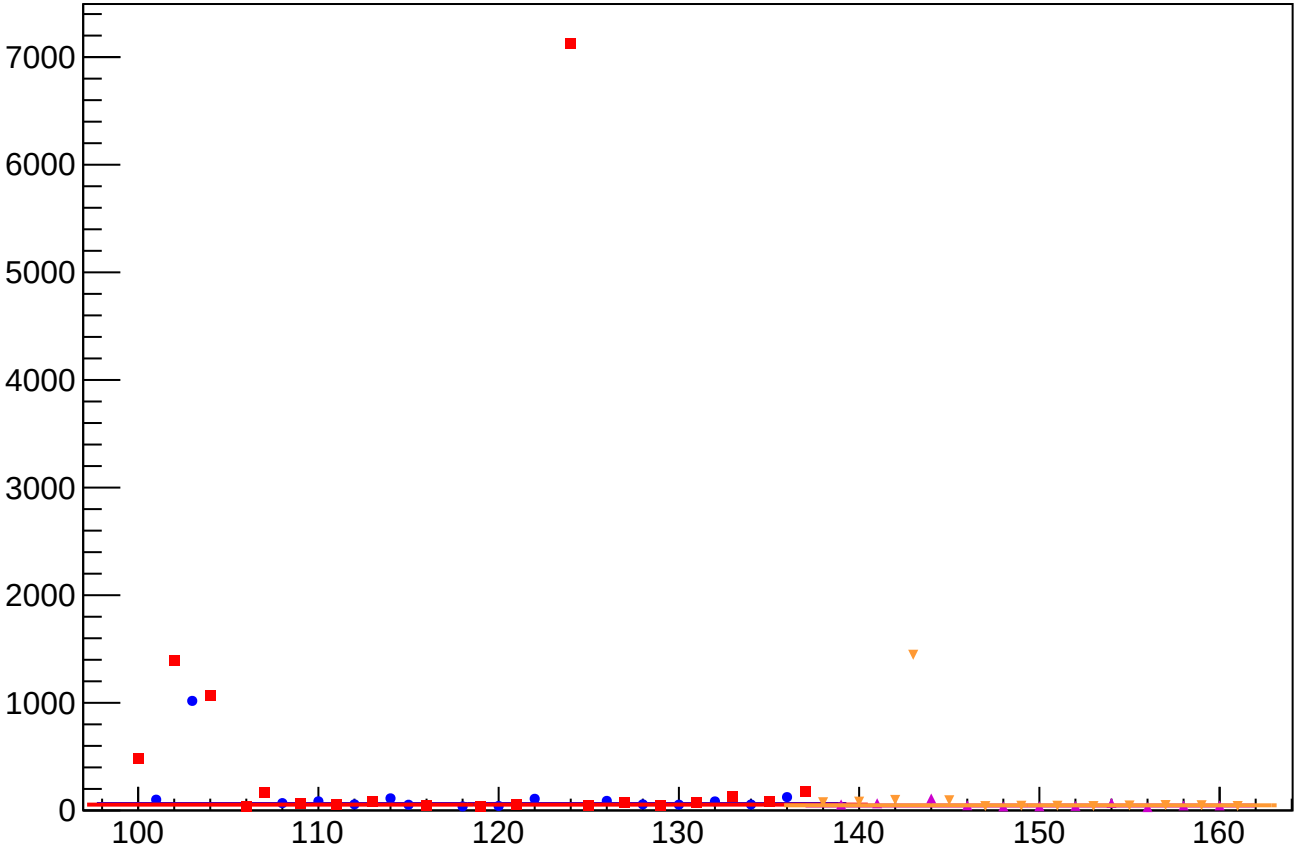
Left In: -0.001+/-0.017 χ^2/NDF:12.1/10

+ sign 0.011+/-0.015 χ^2/NDF: 34.2/28

All: 0.007+/-0.010 χ^2/NDF: 64.3/58

- sign 0.003+/-0.014 χ^2/NDF: 29.9/29

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+/-0.012 χ^2/NDF:2670866.8/12

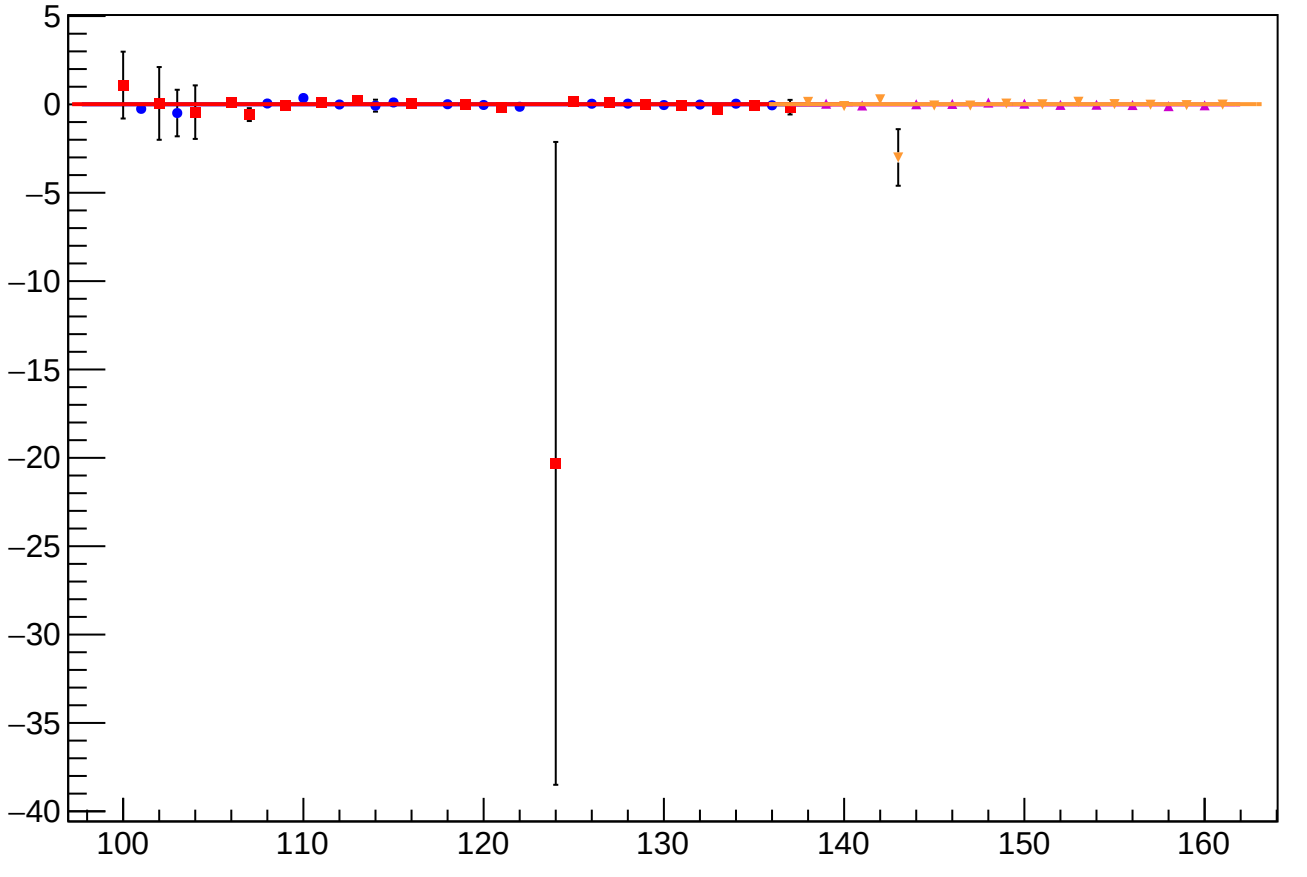
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.745+/-0.012 χ^2/NDF:1329237.2/10

+ sign 51.448+/-0.010 χ^2/NDF: 5490417.1/28

All: 49.797+/-0.007 χ^2/NDF: 10543711.6/58

- sign 48.262+/-0.010 χ^2/NDF: 5003675.2/29



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.017 χ^2/NDF:22.7/12

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

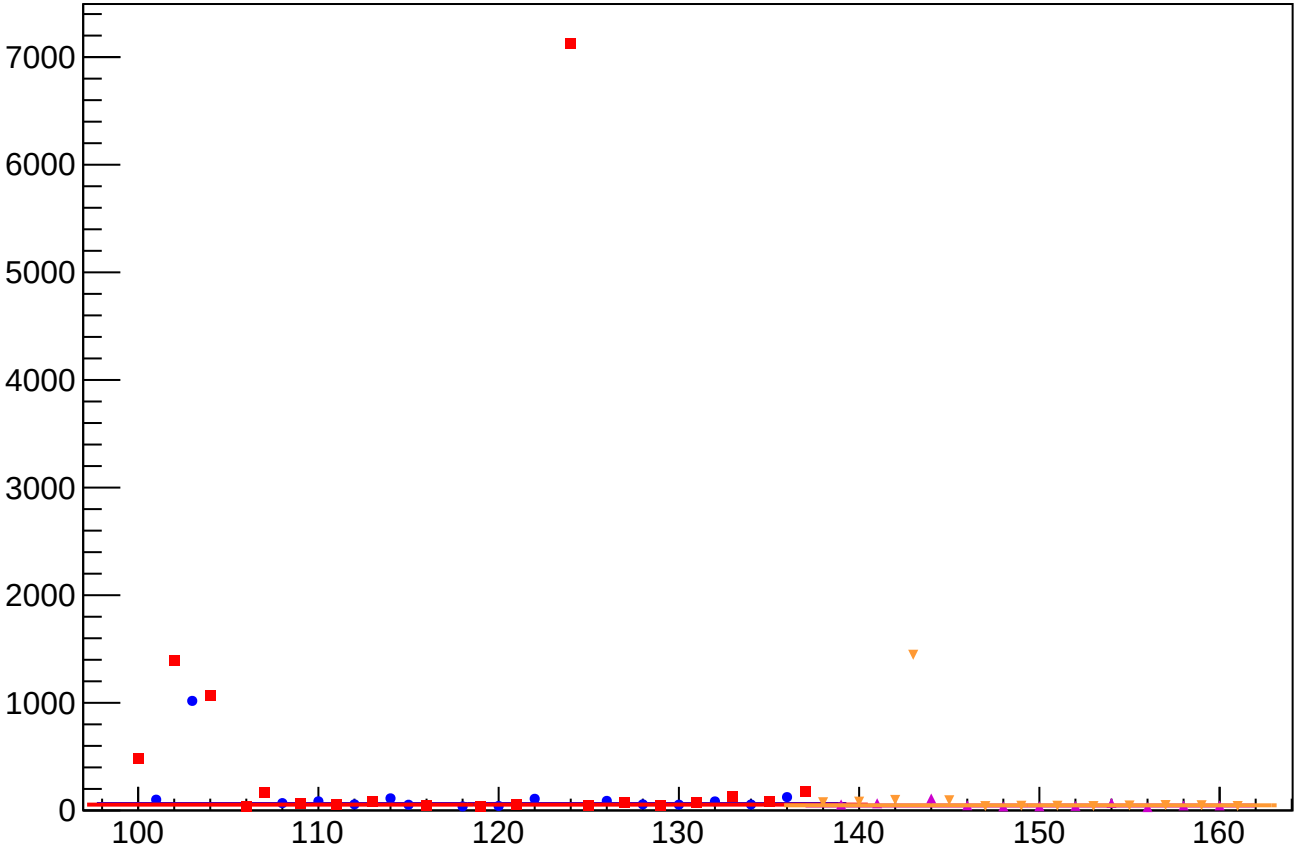
Left In: -0.001+/-0.017 χ^2/NDF:12.1/10

+ sign 0.011+/-0.015 χ^2/NDF: 34.2/28

All: 0.007+/-0.010 χ^2/NDF: 64.3/58

- sign 0.003+/-0.014 χ^2/NDF: 29.9/29

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+/-0.012 χ^2/NDF:2670866.8/12

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

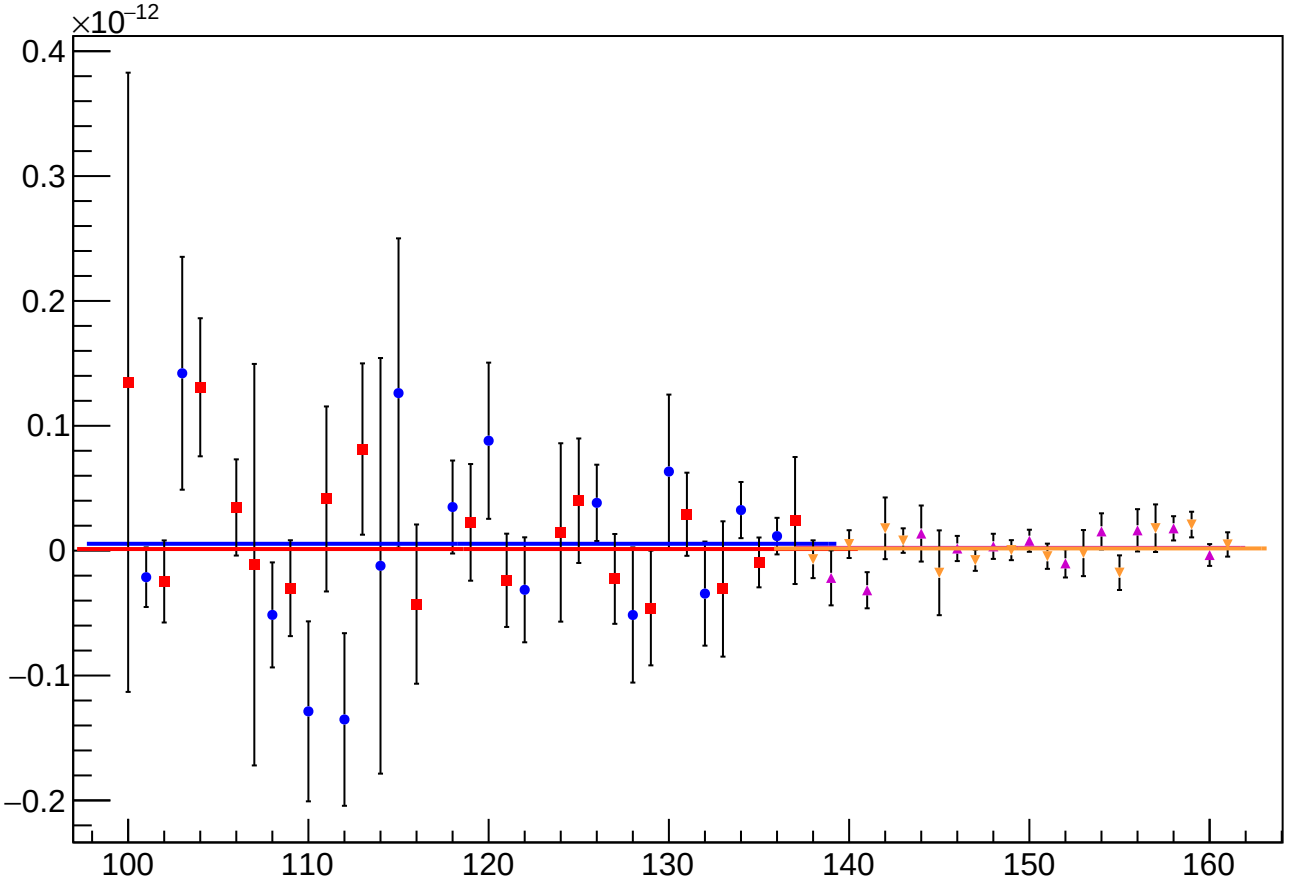
Left In: 45.745+/-0.012 χ^2/NDF:1329237.2/10

+ sign 51.448+/-0.010 χ^2/NDF: 5490417.1/28

All: 49.797+/-0.007 χ^2/NDF: 10543711.6/58

- sign 48.262+/-0.010 χ^2/NDF: 5003675.2/29

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:9.5/12

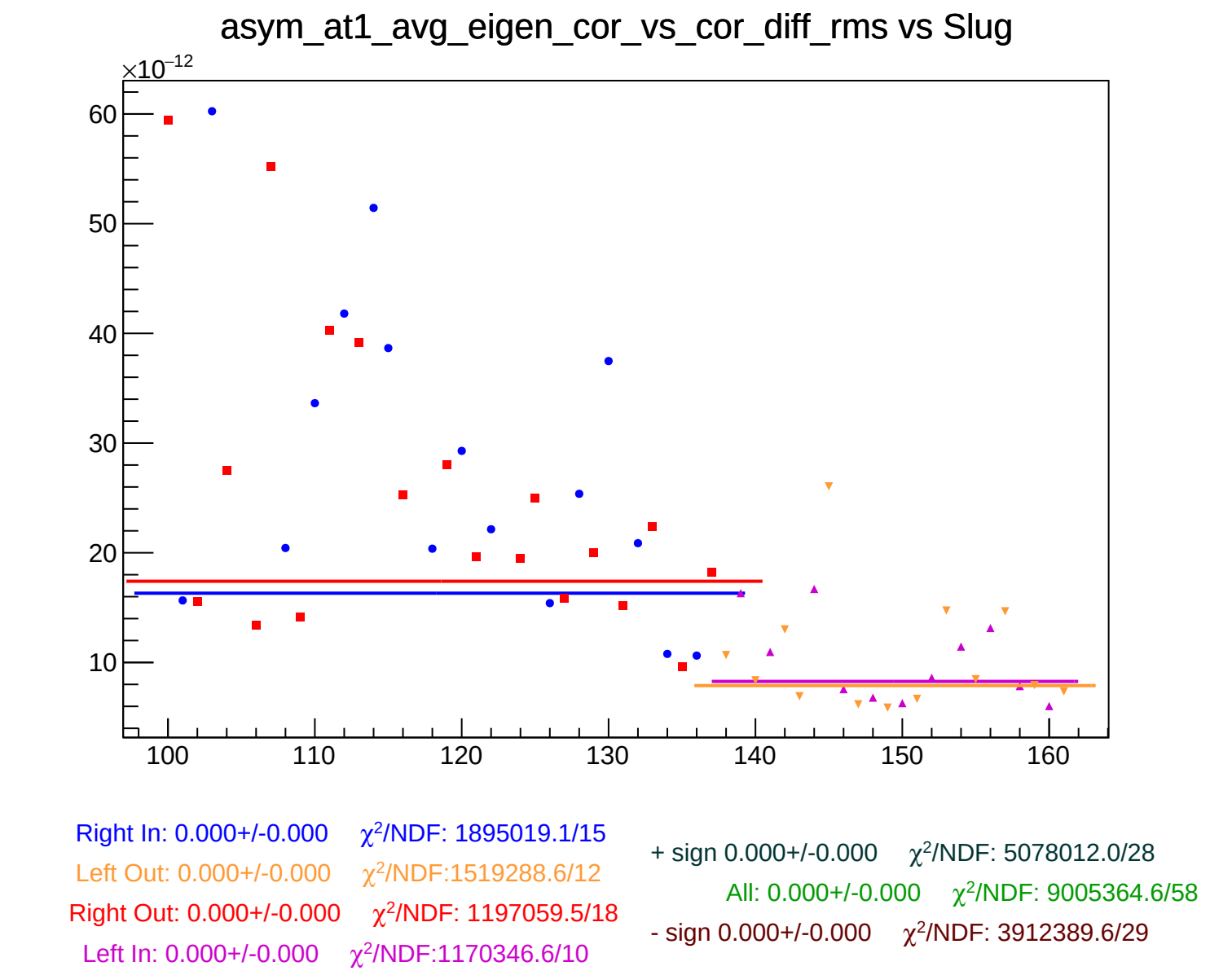
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/10

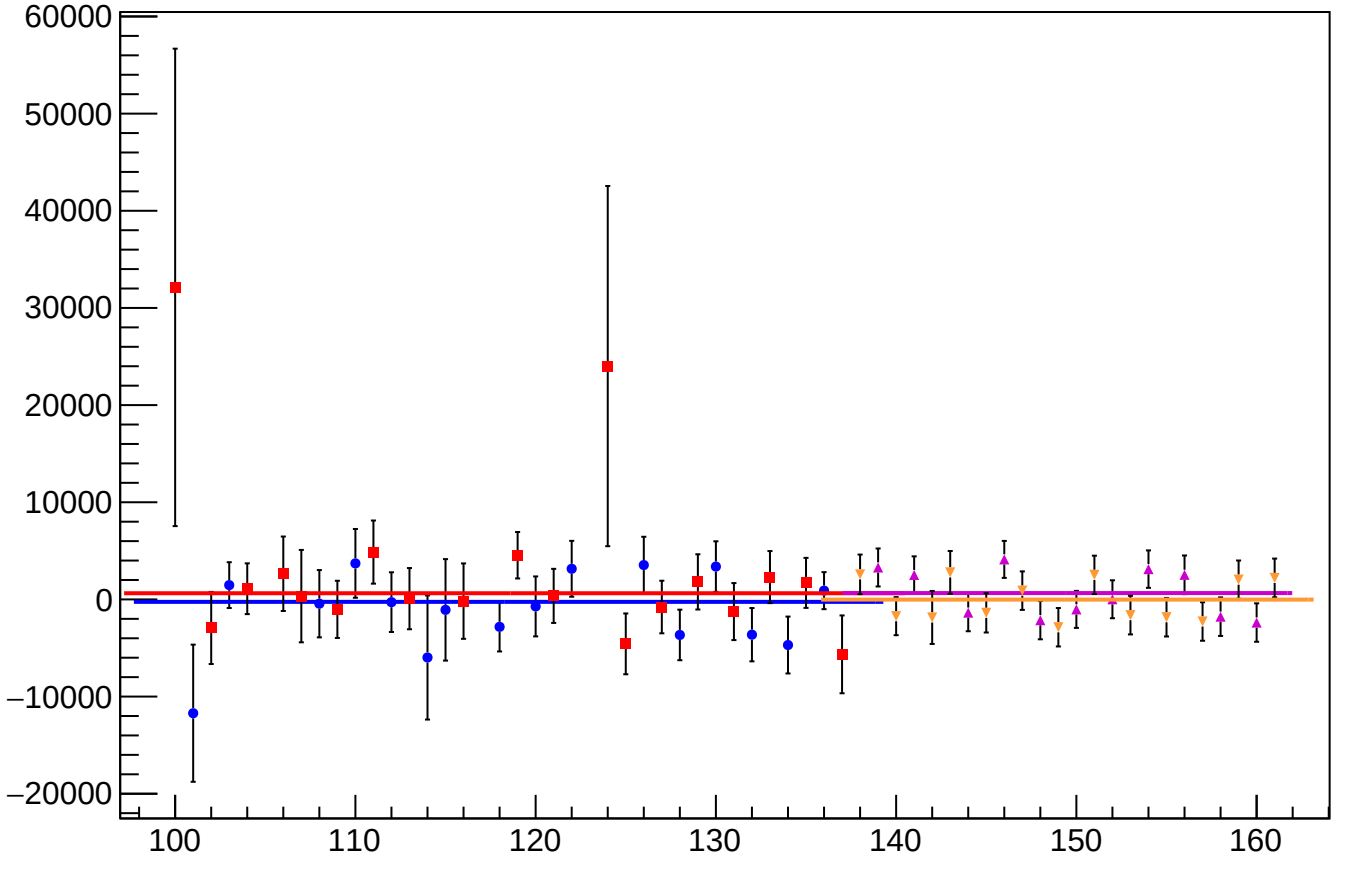
+ sign 0.000+/-0.000 χ^2/NDF: 32.3/28

All: 0.000+/-0.000 χ^2/NDF: 59.7/58

- sign 0.000+/-0.000 χ^2/NDF: 27.4/29


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1519288.6/12
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1170346.6/10
+ sign 0.000+/-0.000 χ²/NDF: 5078012.0/28
All: 0.000+/-0.000 χ²/NDF: 9005364.6/58
- sign 0.000+/-0.000 χ²/NDF: 3912389.6/29

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -18.879+/-565.550 χ^2/NDF:14.0/12

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

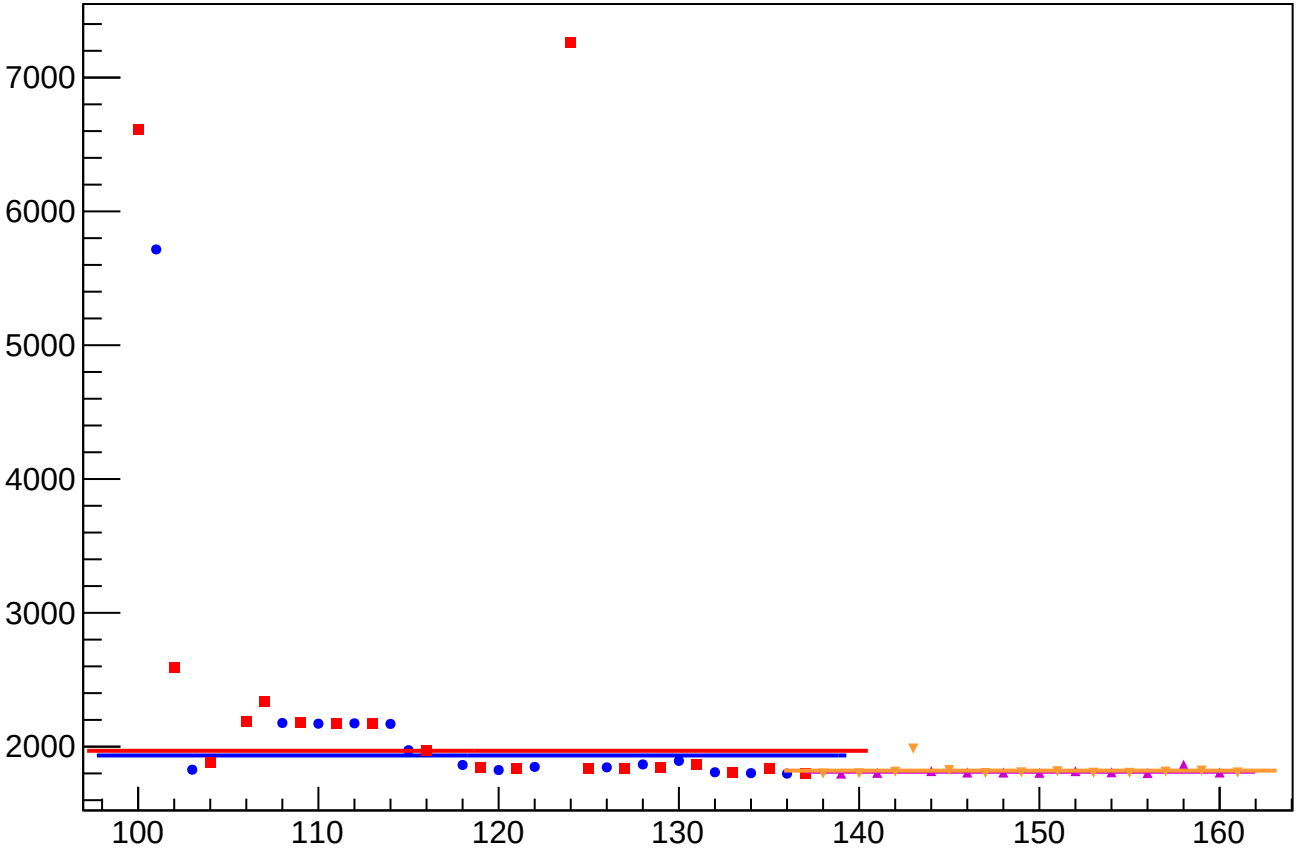
Left In: 654.706+/-586.273 χ^2/NDF:16.4/10

+ sign -105.295+/-448.245 χ^2/NDF: 31.3/28

All: 262.622+/-320.502 χ^2/NDF: 65.0/58

- sign 647.470+/-458.443 χ^2/NDF: 32.4/29

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1820.975+/-0.400 χ^2/NDF:12404.6/12

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

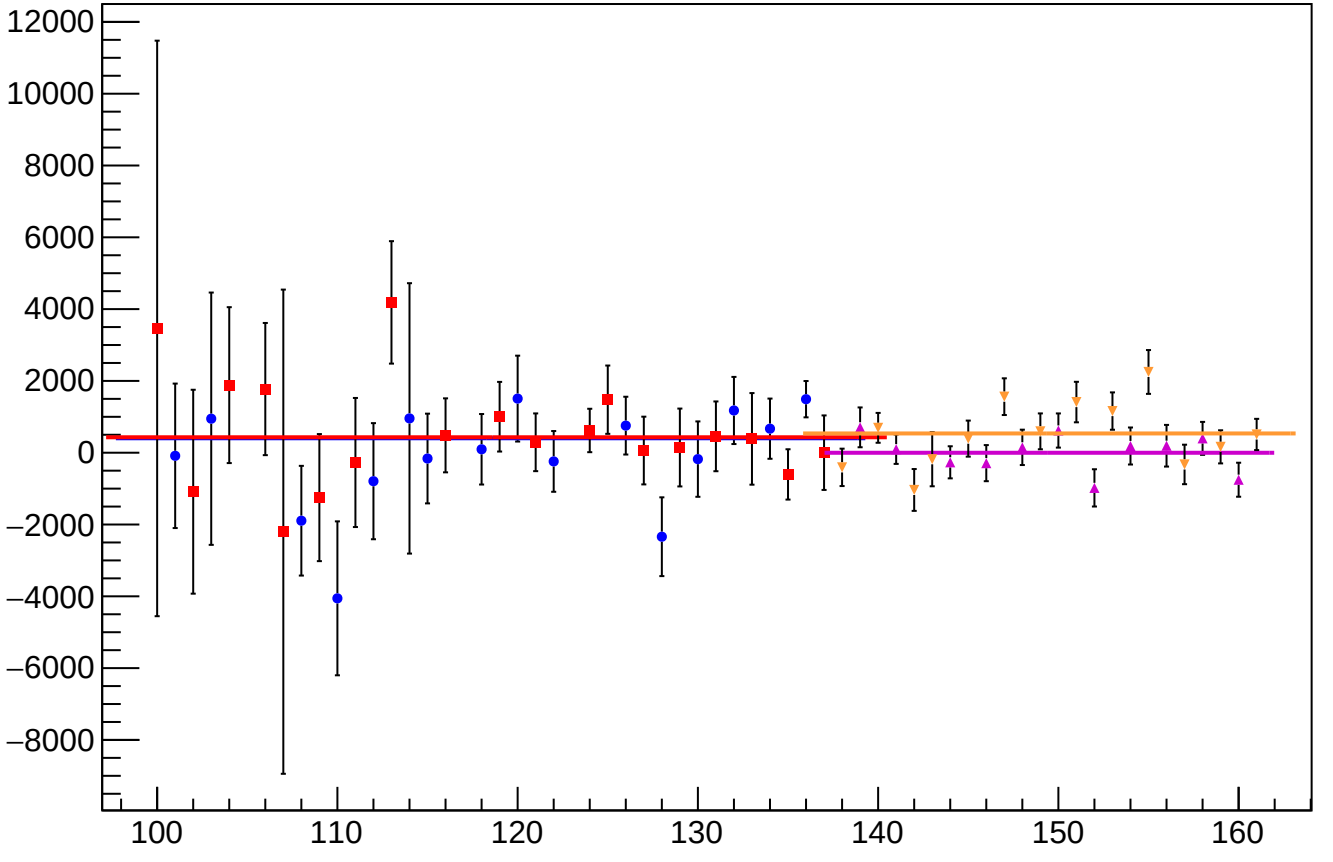
Left In: 1812.630+/-0.415 χ^2/NDF:1718.4/10

+ sign 1863.080+/-0.317 χ^2/NDF: 682138.6/28

All: 1868.156+/-0.227 χ^2/NDF: 1118184.8/58

- sign 1873.465+/-0.324 χ^2/NDF: 435521.5/29

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 536.687+/-143.177 χ^2/NDF:30.6/12

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

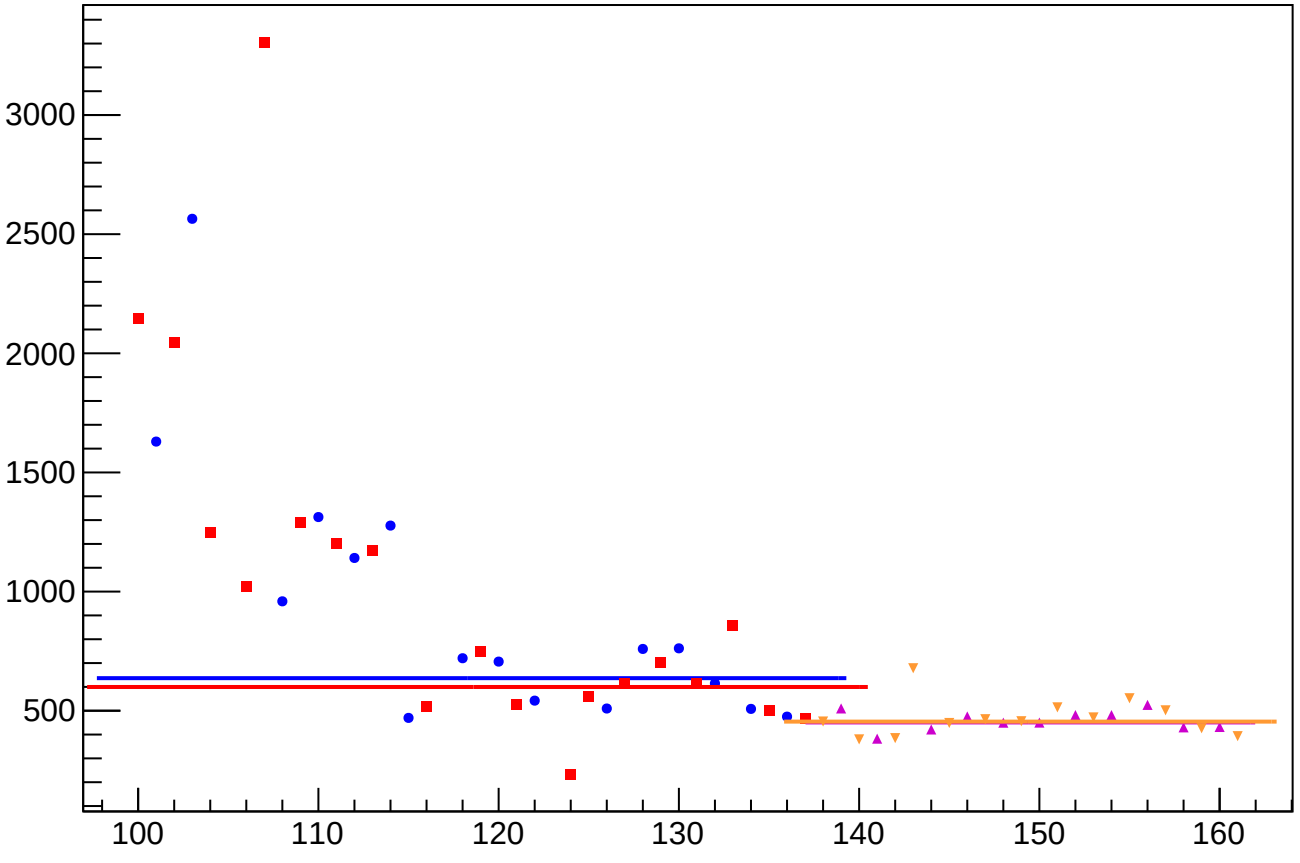
Left In: -1.542+/-146.878 χ^2/NDF:11.2/10

+ sign 505.228+/-125.257 χ^2/NDF: 51.9/28

All: 309.050+/-89.181 χ^2/NDF: 82.0/58

- sign 107.369+/-127.002 χ^2/NDF: 25.2/29

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 454.324+/-0.101 χ^2/NDF:408154.2/12

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

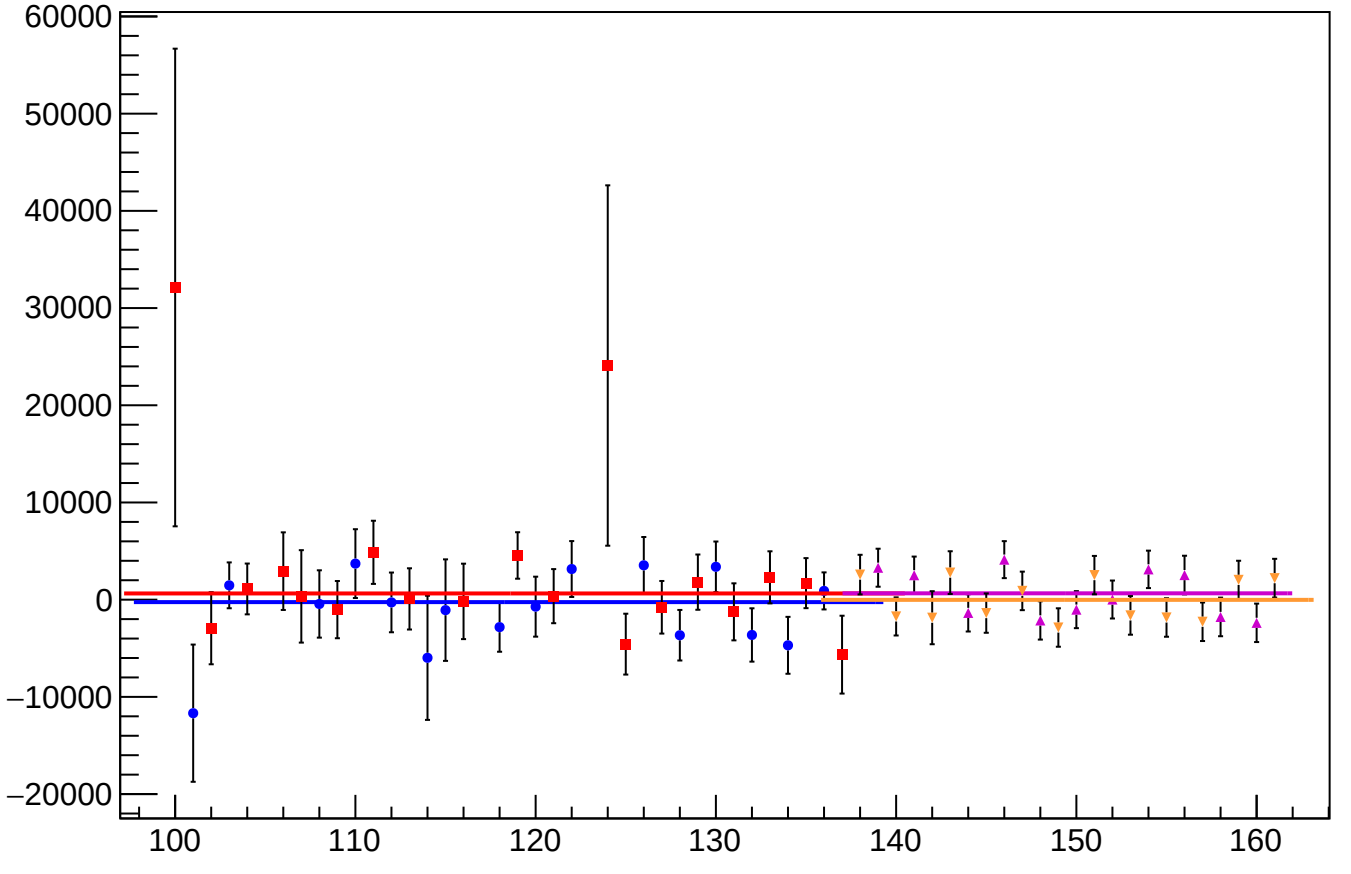
Left In: 450.823+/-0.104 χ^2/NDF:145081.8/10

+ sign 497.120+/-0.089 χ^2/NDF: 3236510.1/28

All: 492.807+/-0.063 χ^2/NDF: 6848526.8/58

- sign 488.373+/-0.090 χ^2/NDF: 3607208.0/29

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -18.941+/-565.550 χ^2/NDF:14.0/12

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

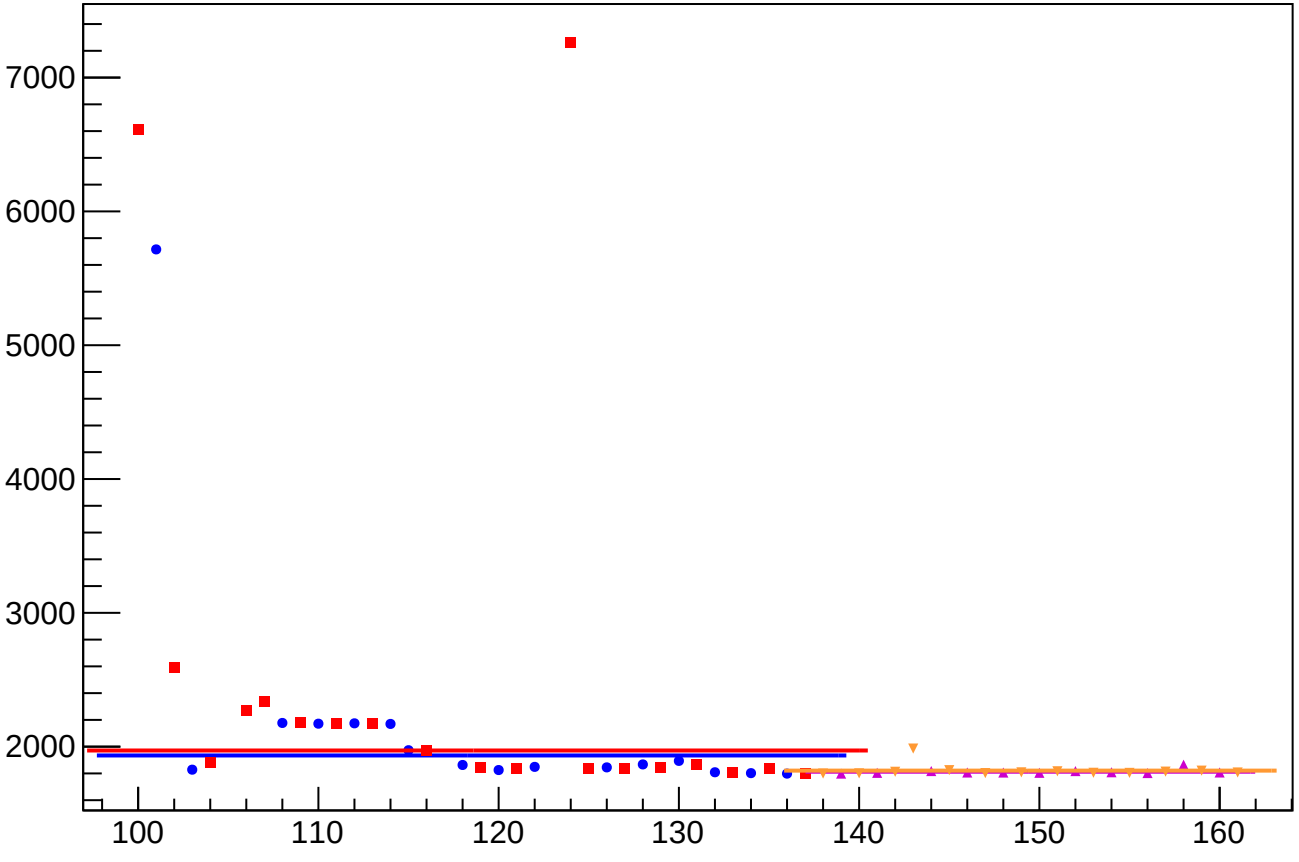
Left In: 654.638+/-586.273 χ^2/NDF:16.4/10

+ sign -105.033+/-448.245 χ^2/NDF: 31.3/28

All: 263.435+/-320.590 χ^2/NDF: 65.1/58

- sign 649.296+/-458.702 χ^2/NDF: 32.4/29

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1820.976+/-0.400 χ^2/NDF:12404.6/12

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

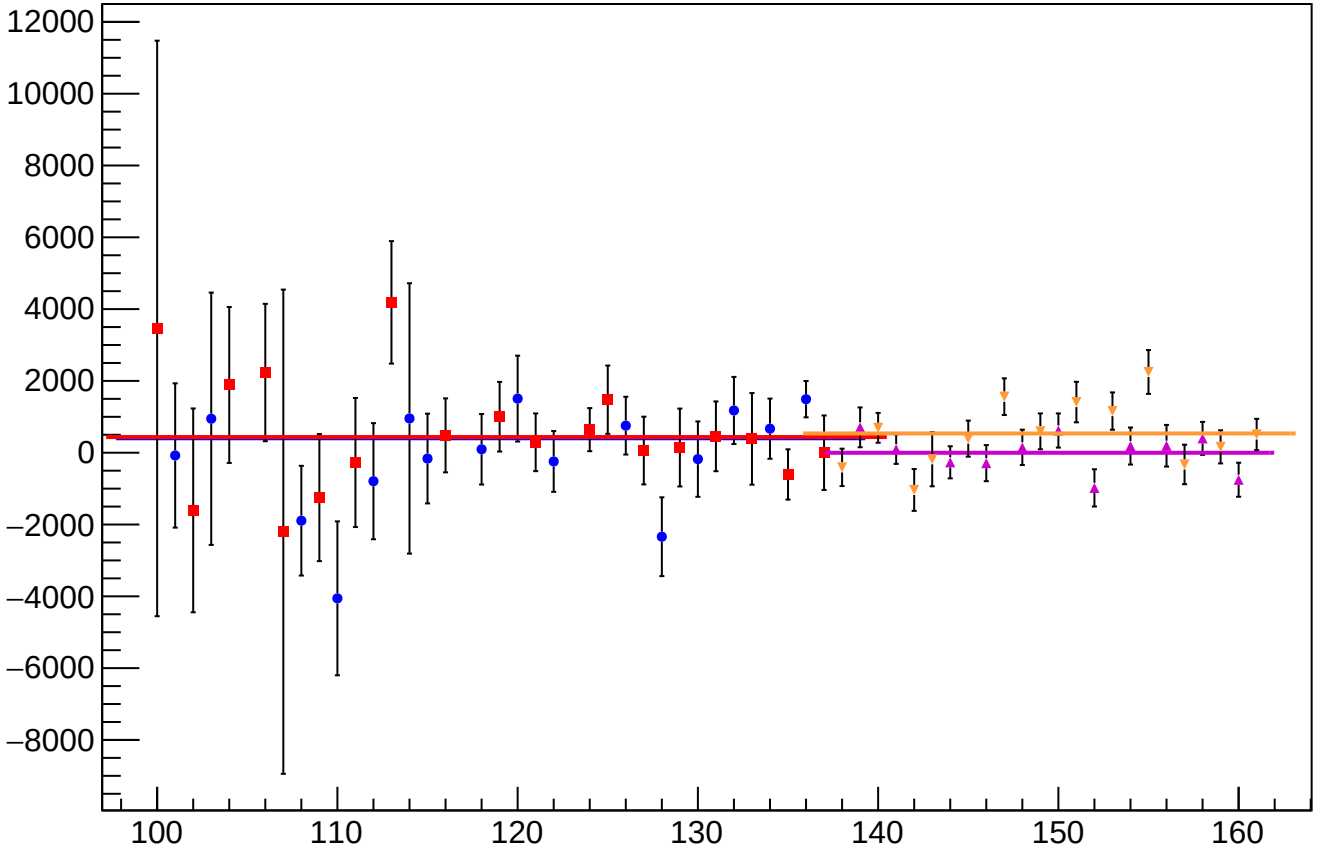
Left In: 1812.630+/-0.415 χ^2/NDF:1718.4/10

+ sign 1863.080+/-0.317 χ^2/NDF: 682138.5/28

All: 1868.508+/-0.227 χ^2/NDF: 1124491.3/58

- sign 1874.192+/-0.324 χ^2/NDF: 441752.4/29

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 536.633+/-143.177 χ^2/NDF:30.6/12

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

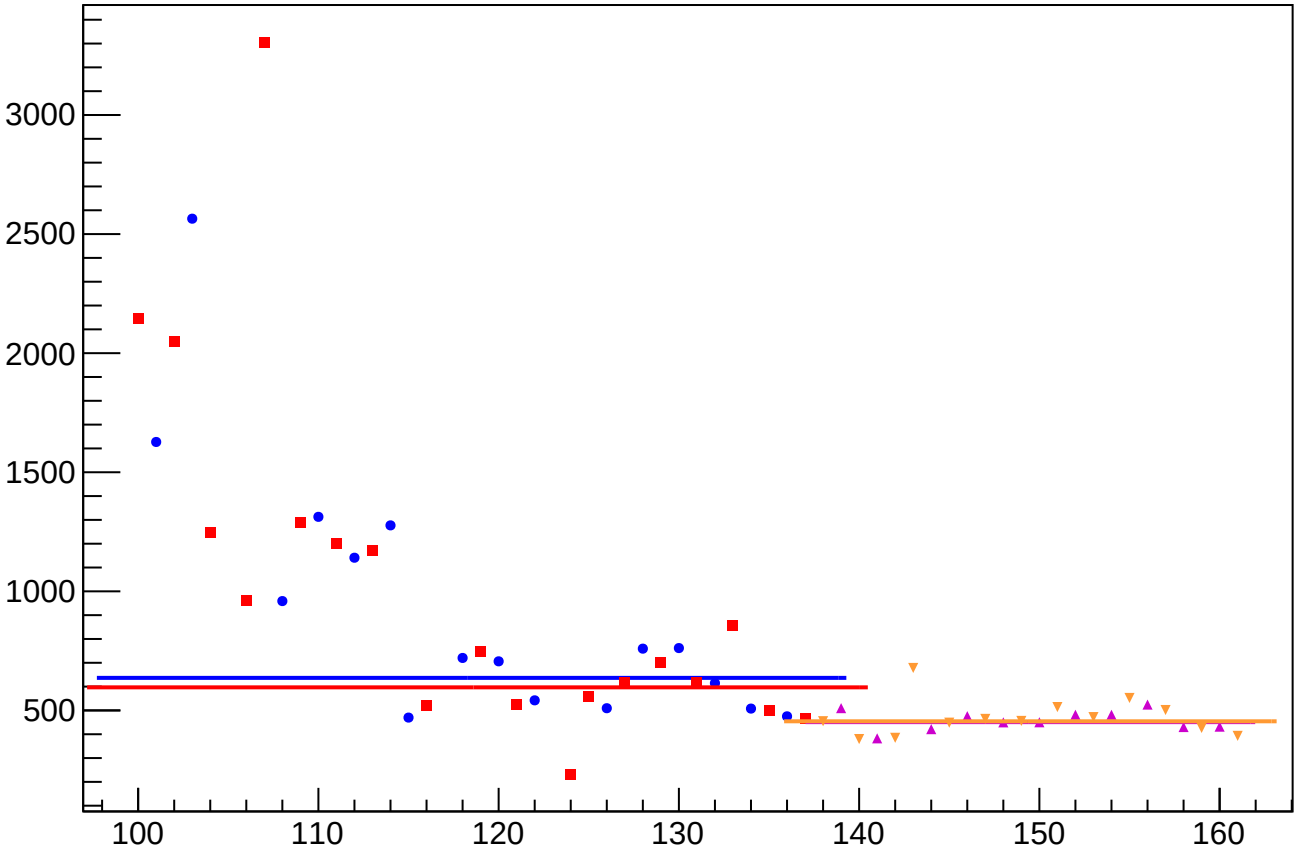
Left In: -1.571+/-146.877 χ^2/NDF:11.2/10

+ sign 505.203+/-125.256 χ^2/NDF: 51.9/28

All: 309.870+/-89.173 χ^2/NDF: 82.7/58

- sign 109.117+/-126.982 χ^2/NDF: 25.9/29

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 454.324+/-0.101 χ^2/NDF:408133.3/12

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

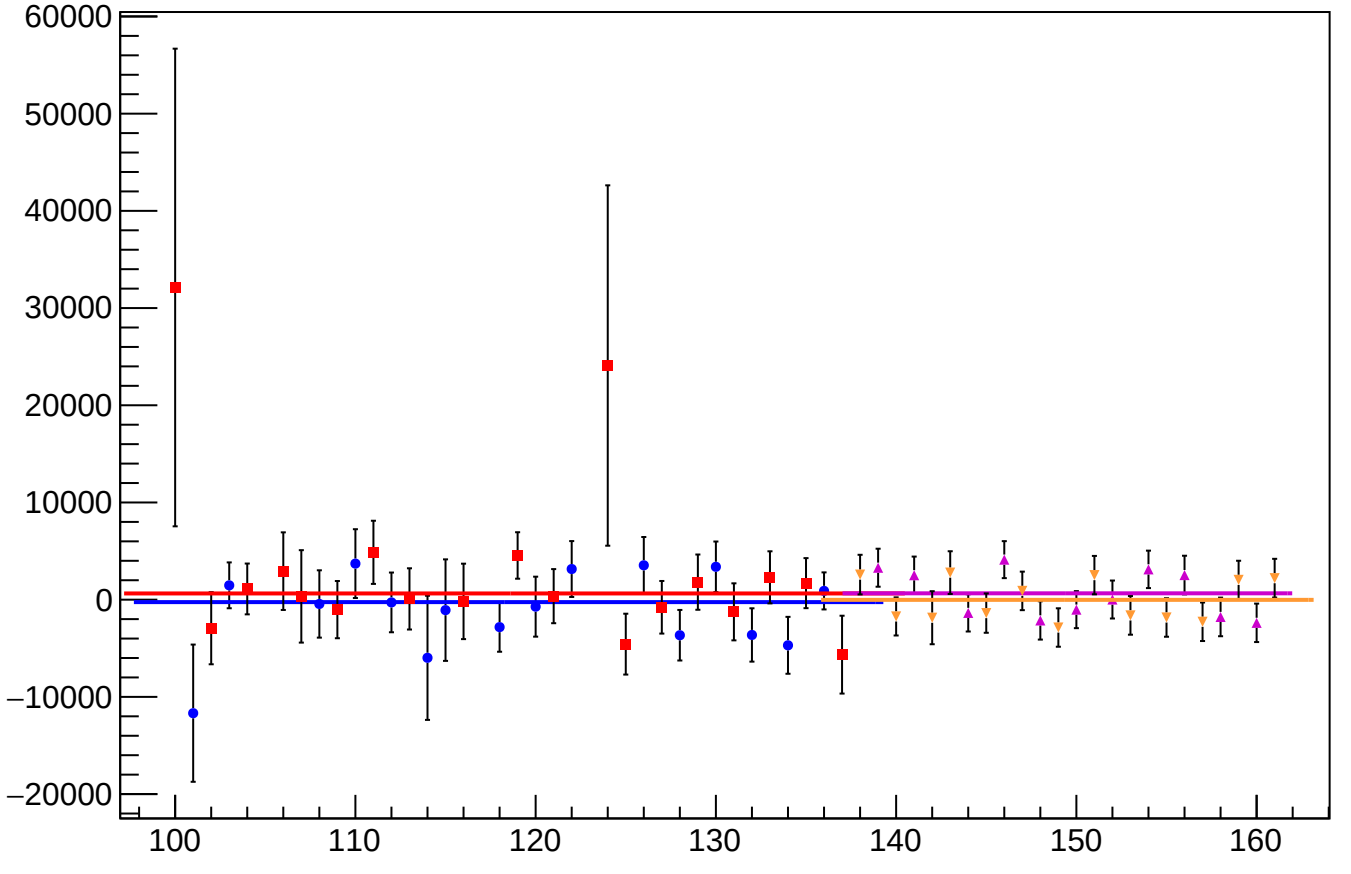
Left In: 450.819+/-0.104 χ^2/NDF:145088.6/10

+ sign 497.122+/-0.089 χ^2/NDF: 3235653.3/28

All: 492.477+/-0.063 χ^2/NDF: 6816164.3/58

- sign 487.704+/-0.090 χ^2/NDF: 3574934.3/29

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -18.941+/-565.550 χ^2/NDF:14.0/12

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

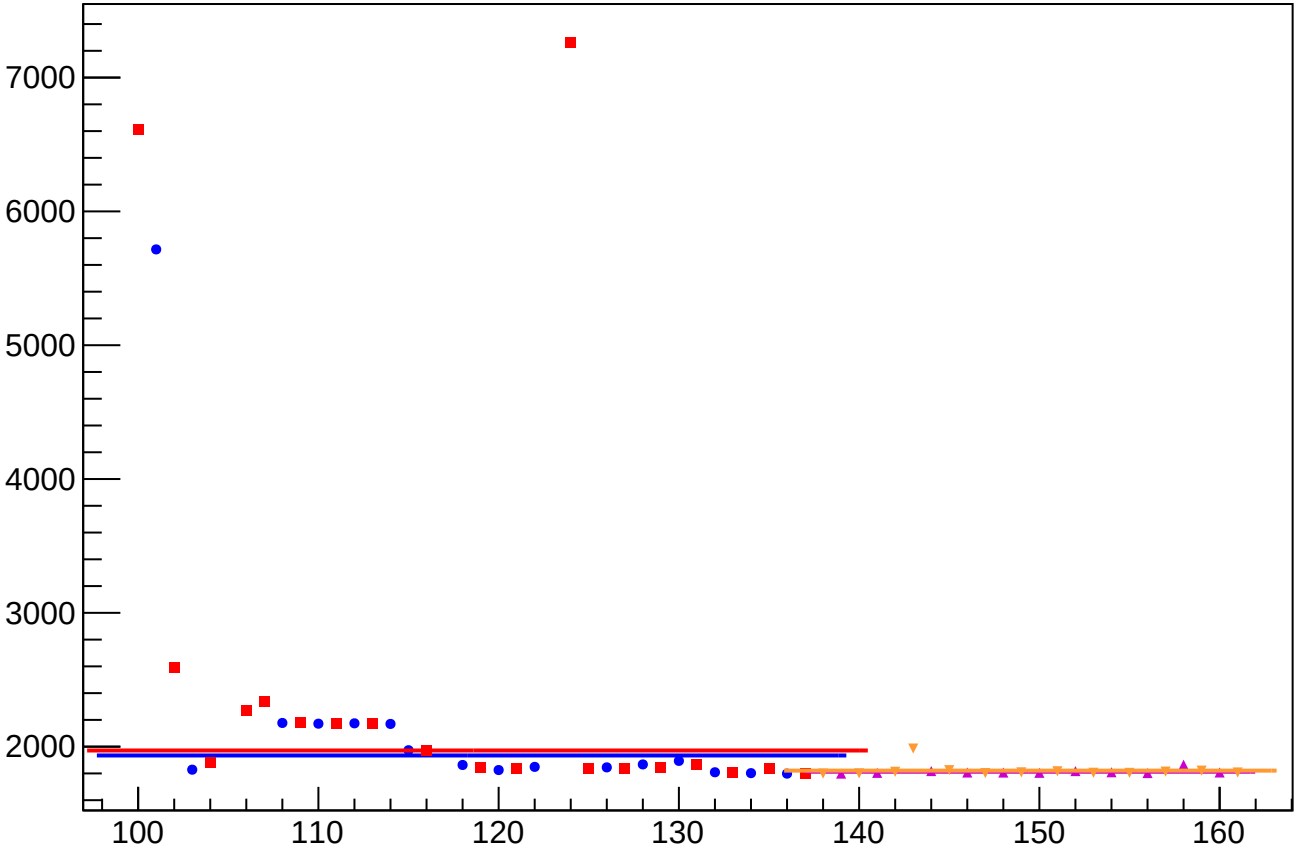
Left In: 654.638+/-586.273 χ^2/NDF:16.4/10

+ sign -105.033+/-448.245 χ^2/NDF: 31.3/28

All: 263.435+/-320.590 χ^2/NDF: 65.1/58

- sign 649.296+/-458.702 χ^2/NDF: 32.4/29

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1820.976+/-0.400 χ^2/NDF:12404.6/12

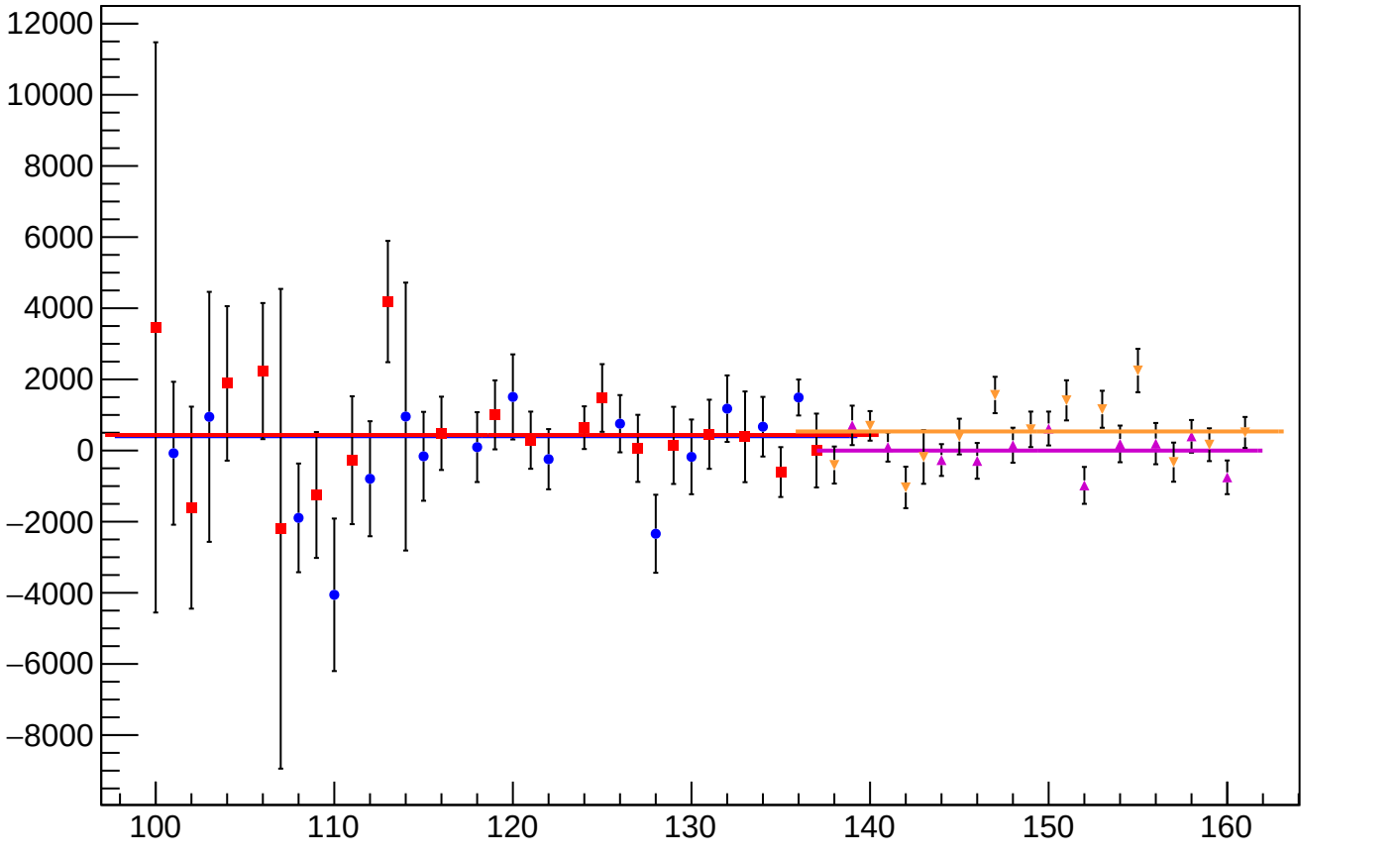
Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1812.630+/-0.415 χ^2/NDF:1718.4/10

+ sign 1863.080+/-0.317 χ^2/NDF: 682138.5/28

All: 1868.508+/-0.227 χ^2/NDF: 1124491.3/58

- sign 1874.192+/-0.324 χ^2/NDF: 441752.4/29



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 536.633+/-143.177 χ^2/NDF:30.6/12

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

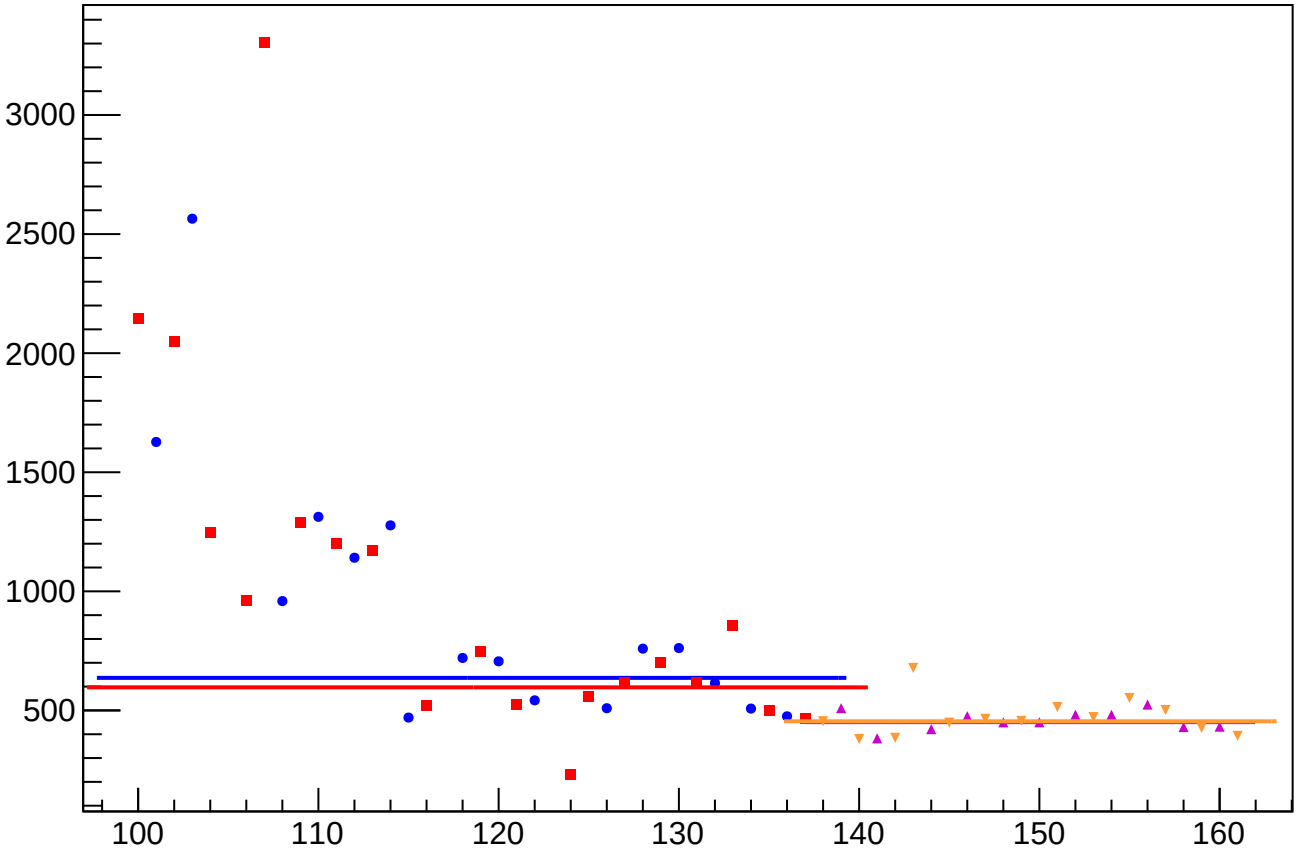
Left In: -1.571+/-146.877 χ^2/NDF:11.2/10

+ sign 505.203+/-125.256 χ^2/NDF: 51.9/28

All: 309.870+/-89.173 χ^2/NDF: 82.7/58

- sign 109.117+/-126.982 χ^2/NDF: 25.9/29

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 454.324+/-0.101 χ^2/NDF:408133.3/12

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

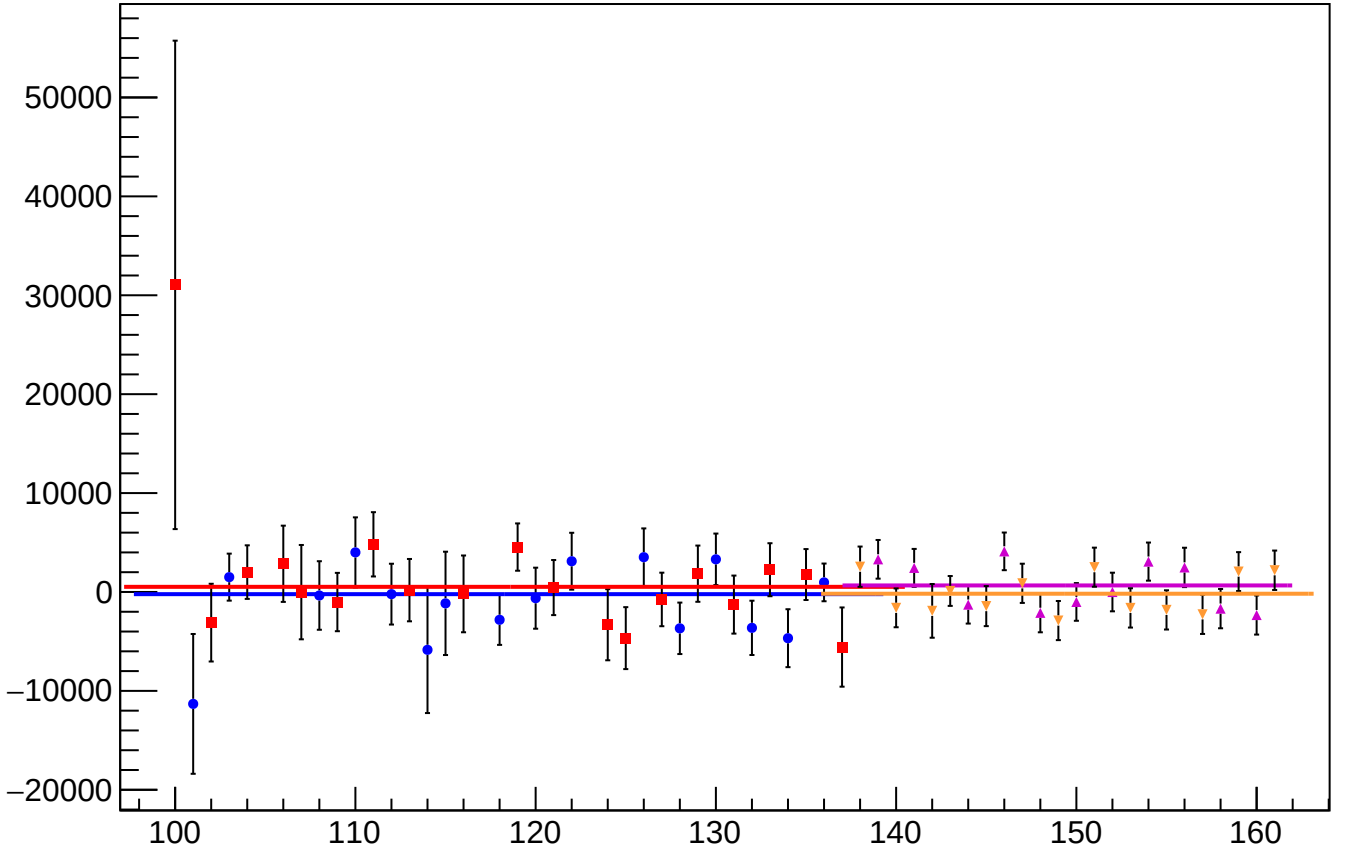
Left In: 450.819+/-0.104 χ^2/NDF:145088.6/10

+ sign 497.122+/-0.089 χ^2/NDF: 3235653.3/28

All: 492.477+/-0.063 χ^2/NDF: 6816164.3/58

- sign 487.704+/-0.090 χ^2/NDF: 3574934.3/29

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -176.847+/-545.748 χ^2/NDF:12.2/12

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

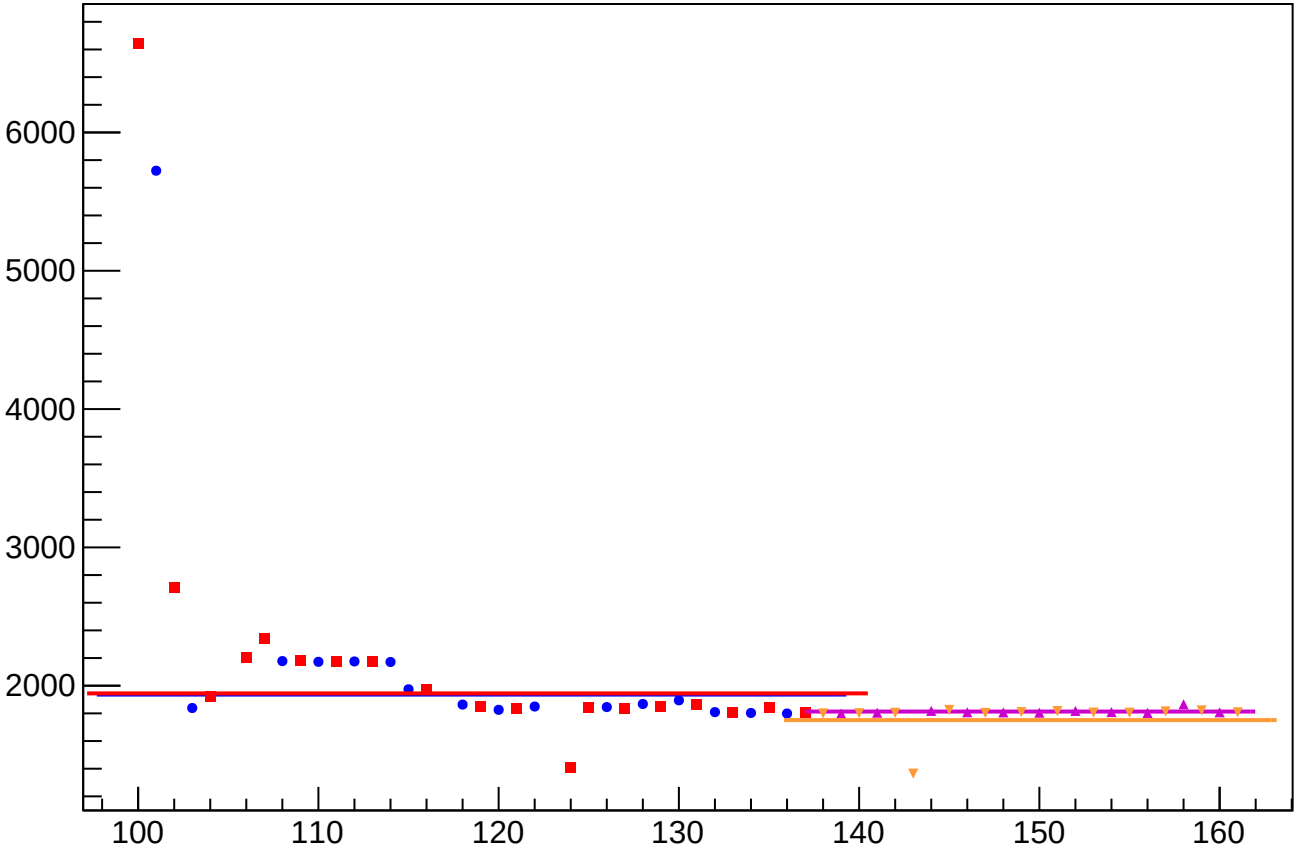
Left In: 661.483+/-586.466 χ^2/NDF:15.9/10

+ sign -192.299+/-438.356 χ^2/NDF: 29.3/28

All: 190.964+/-316.004 χ^2/NDF: 62.4/58

- sign 605.624+/-455.958 χ^2/NDF: 31.5/29

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1751.266+/-0.386 χ^2/NDF:151517.6/12

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

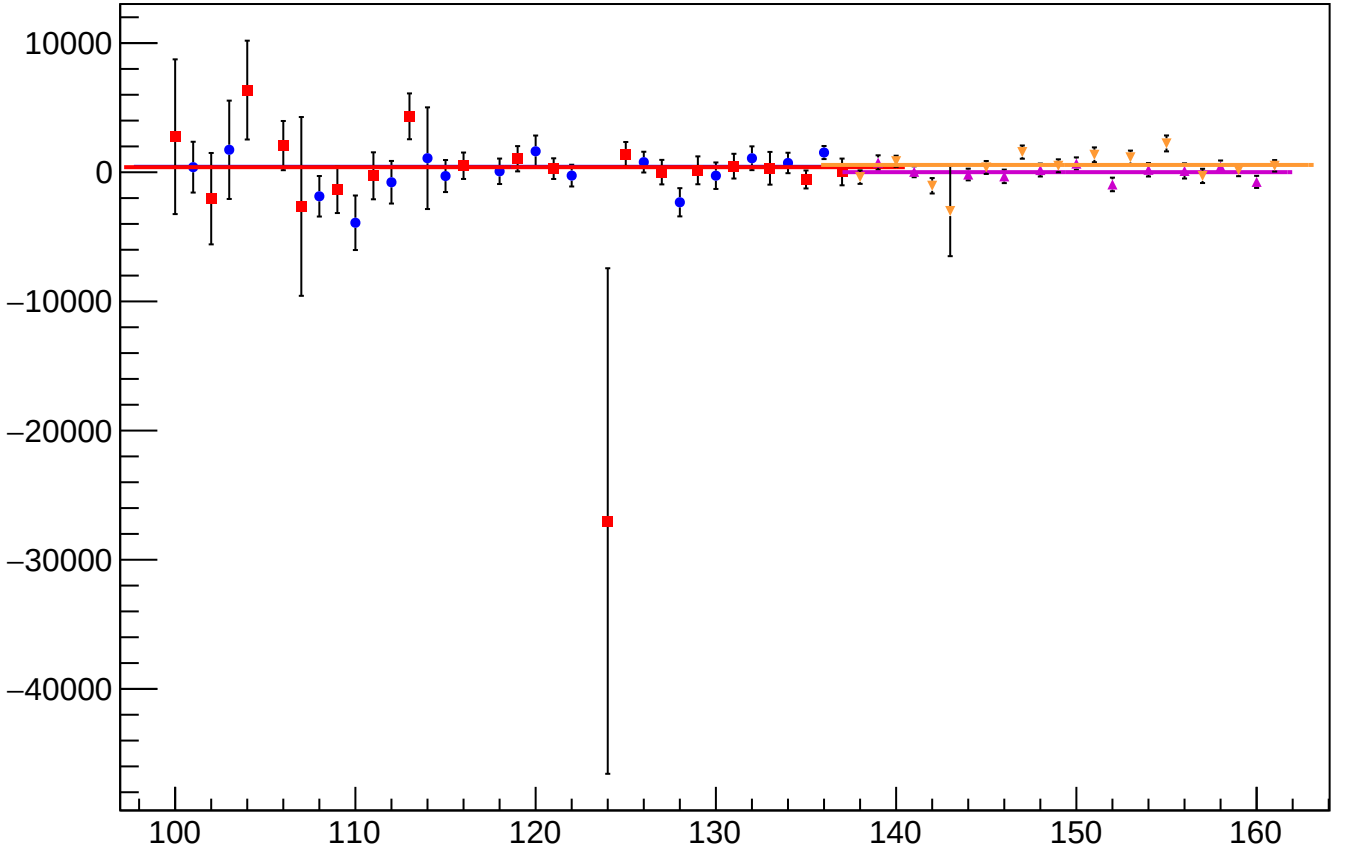
Left In: 1813.229+/-0.415 χ^2/NDF:1714.1/10

+ sign 1816.808+/-0.310 χ^2/NDF: 872617.3/28

All: 1840.028+/-0.223 χ^2/NDF: 1201870.4/58

- sign 1865.151+/-0.322 χ^2/NDF: 317569.3/29

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 566.293+/-147.658 χ^2/NDF:29.5/12

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

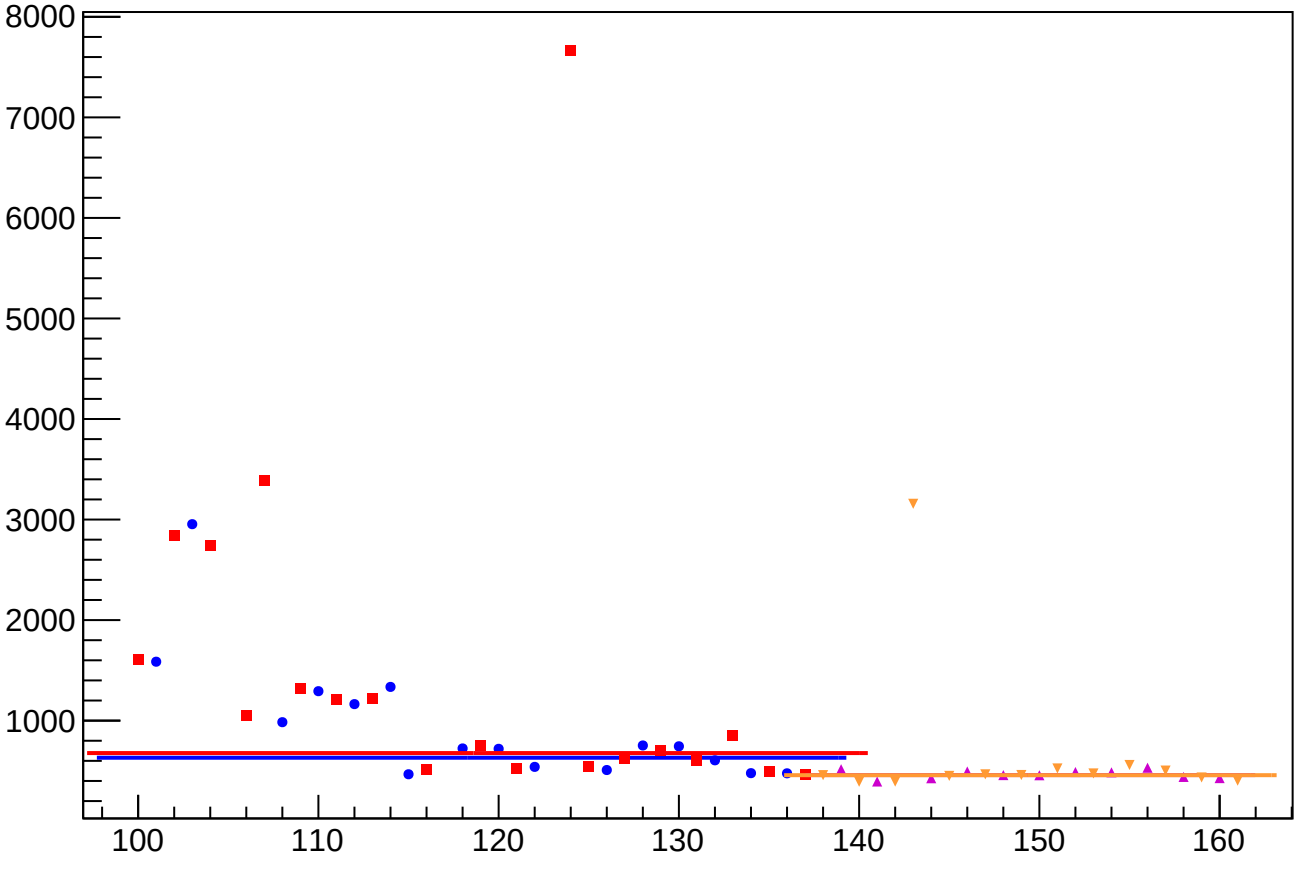
Left In: 7.789+/-149.239 χ^2/NDF:11.1/10

+ sign 530.217+/-128.000 χ^2/NDF: 51.2/28

All: 317.931+/-91.774 χ^2/NDF: 85.3/58

- sign 93.350+/-131.654 χ^2/NDF: 28.5/29

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 457.512+/-0.104 χ^2/NDF:1395795.1/12

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

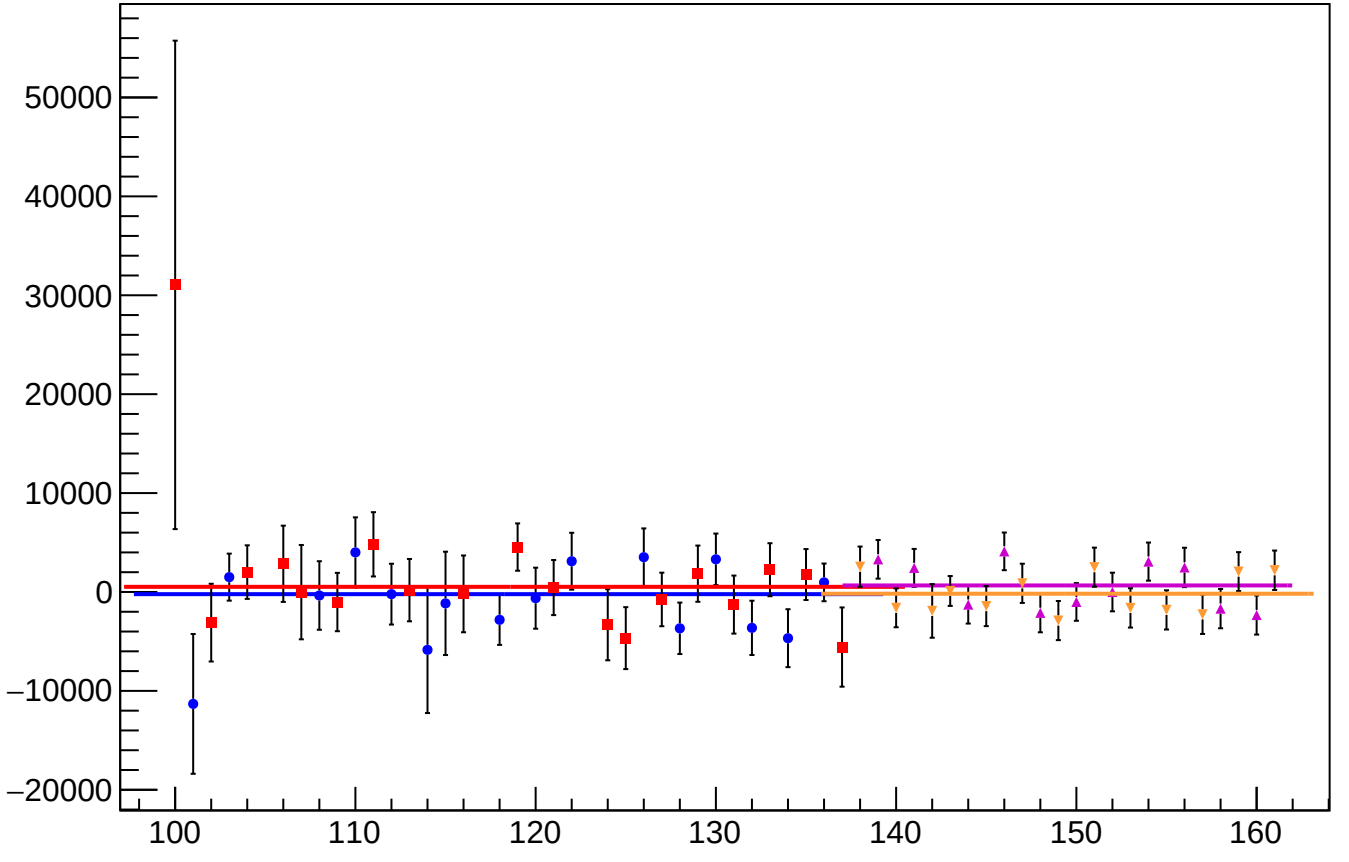
Left In: 458.567+/-0.106 χ^2/NDF:140531.6/10

+ sign 500.666+/-0.091 χ^2/NDF: 4317586.2/28

All: 503.796+/-0.065 χ^2/NDF: 8496154.5/58

- sign 507.107+/-0.093 χ^2/NDF: 4176107.1/29

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -176.848+/-545.748 χ^2/NDF:12.2/12

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

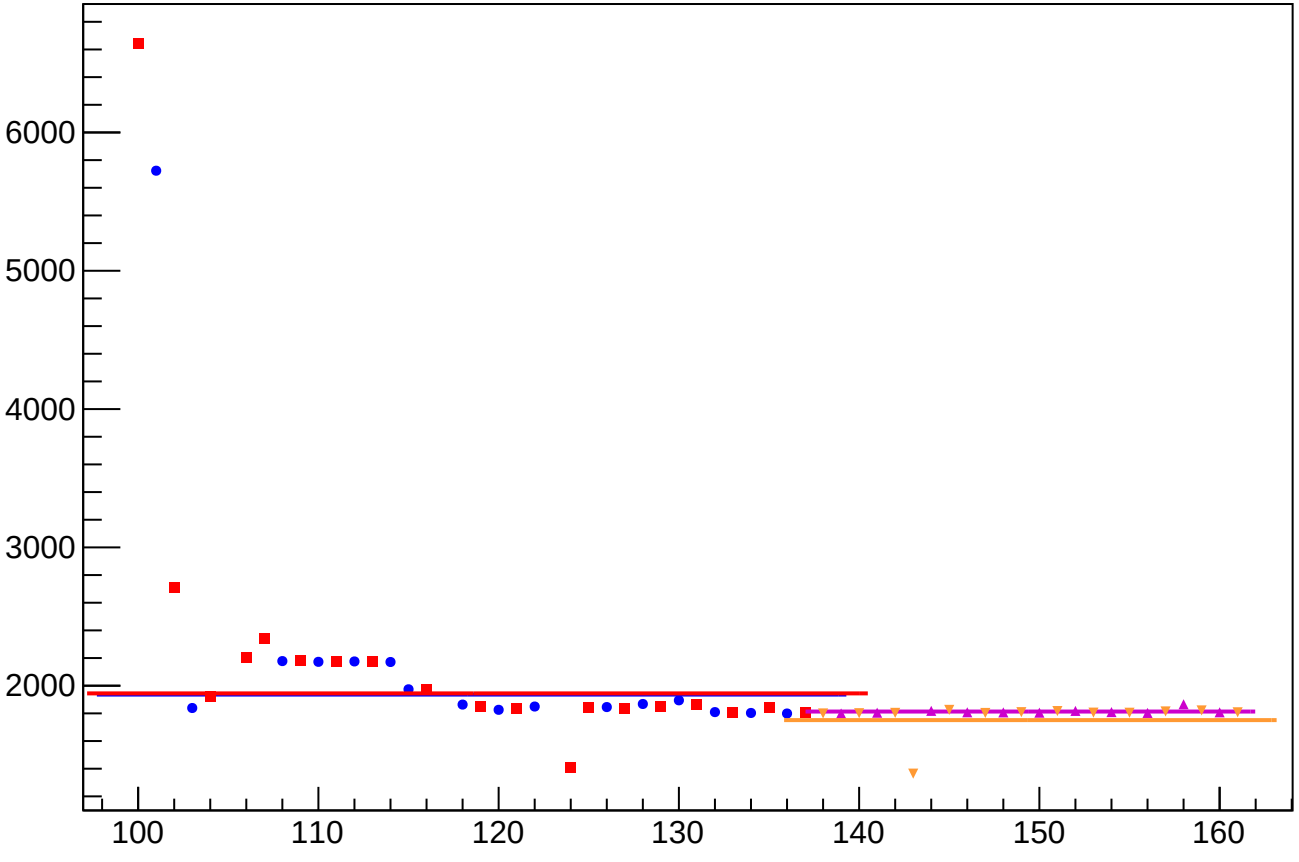
Left In: 661.482+/-586.466 χ^2/NDF:15.9/10

+ sign -192.300+/-438.356 χ^2/NDF: 29.3/28

All: 190.964+/-316.004 χ^2/NDF: 62.4/58

- sign 605.624+/-455.958 χ^2/NDF: 31.5/29

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1751.266+/-0.386 χ^2/NDF:151517.6/12

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

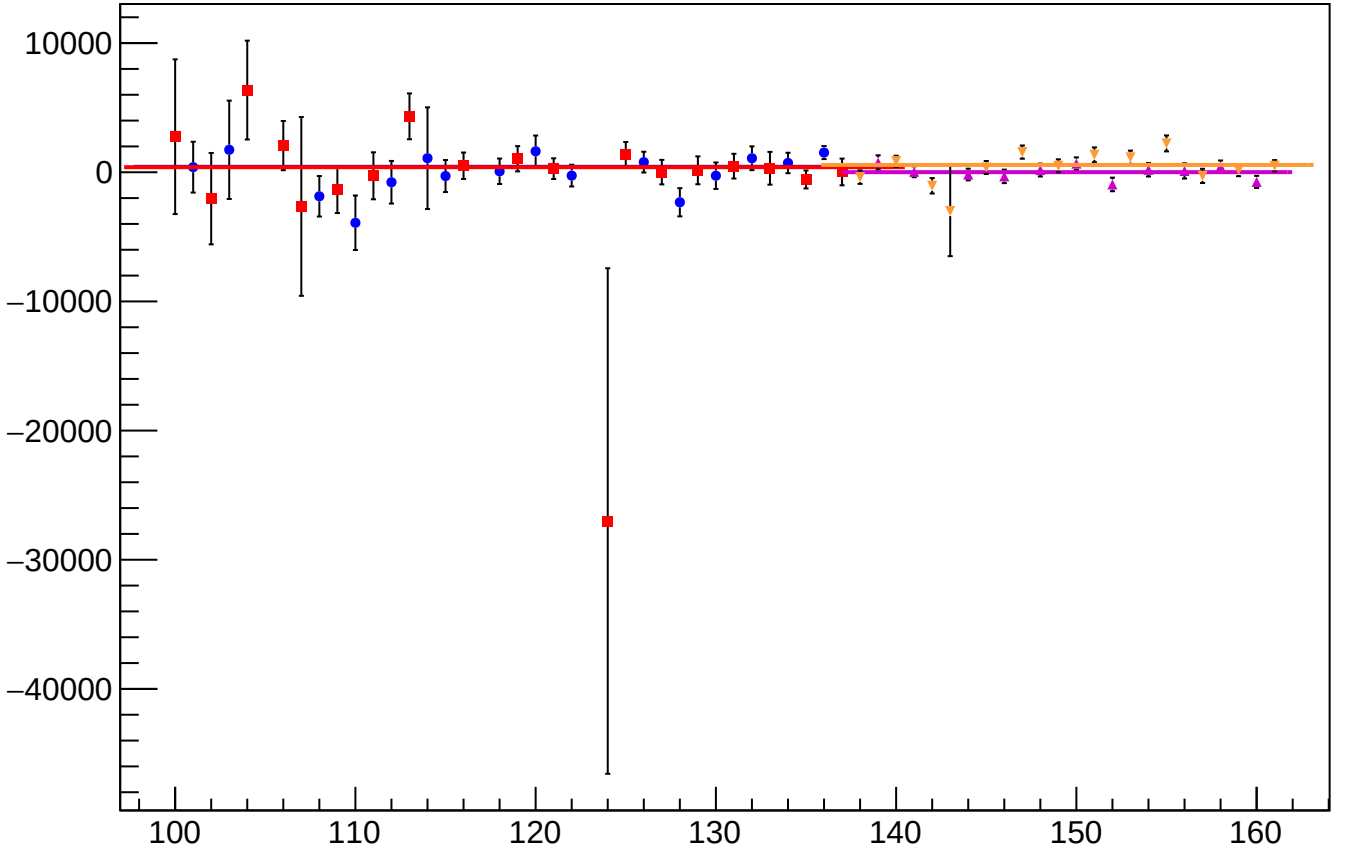
Left In: 1813.229+/-0.415 χ^2/NDF:1714.1/10

+ sign 1816.808+/-0.310 χ^2/NDF: 872617.3/28

All: 1840.028+/-0.223 χ^2/NDF: 1201870.2/58

- sign 1865.151+/-0.322 χ^2/NDF: 317569.1/29

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 566.292+/-147.658 χ^2/NDF:29.5/12

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

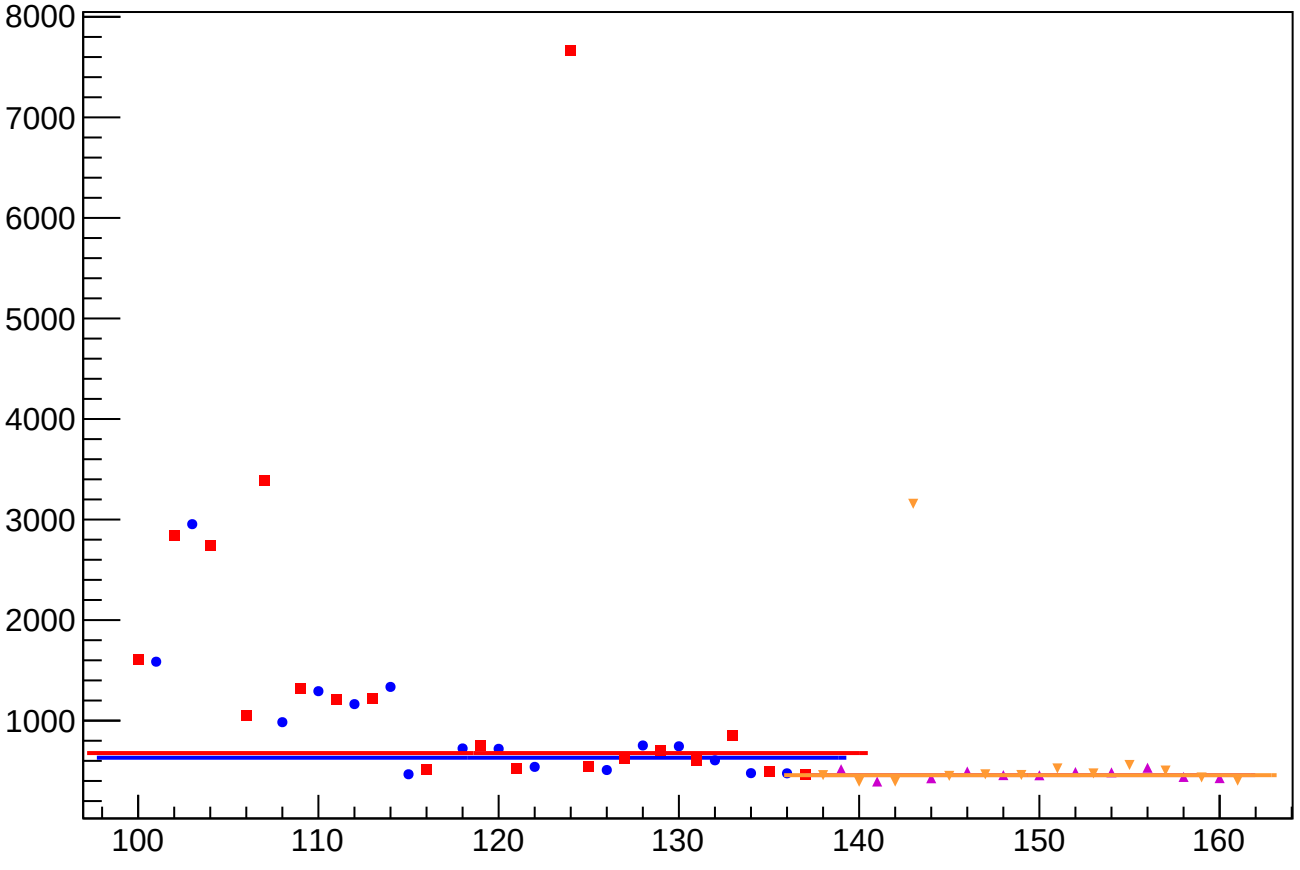
Left In: 7.788+/-149.239 χ^2/NDF:11.1/10

+ sign 530.216+/-128.000 χ^2/NDF: 51.2/28

All: 317.930+/-91.774 χ^2/NDF: 85.3/58

- sign 93.349+/-131.654 χ^2/NDF: 28.5/29

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 457.512+/-0.104 χ^2/NDF:1395797.4/12

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

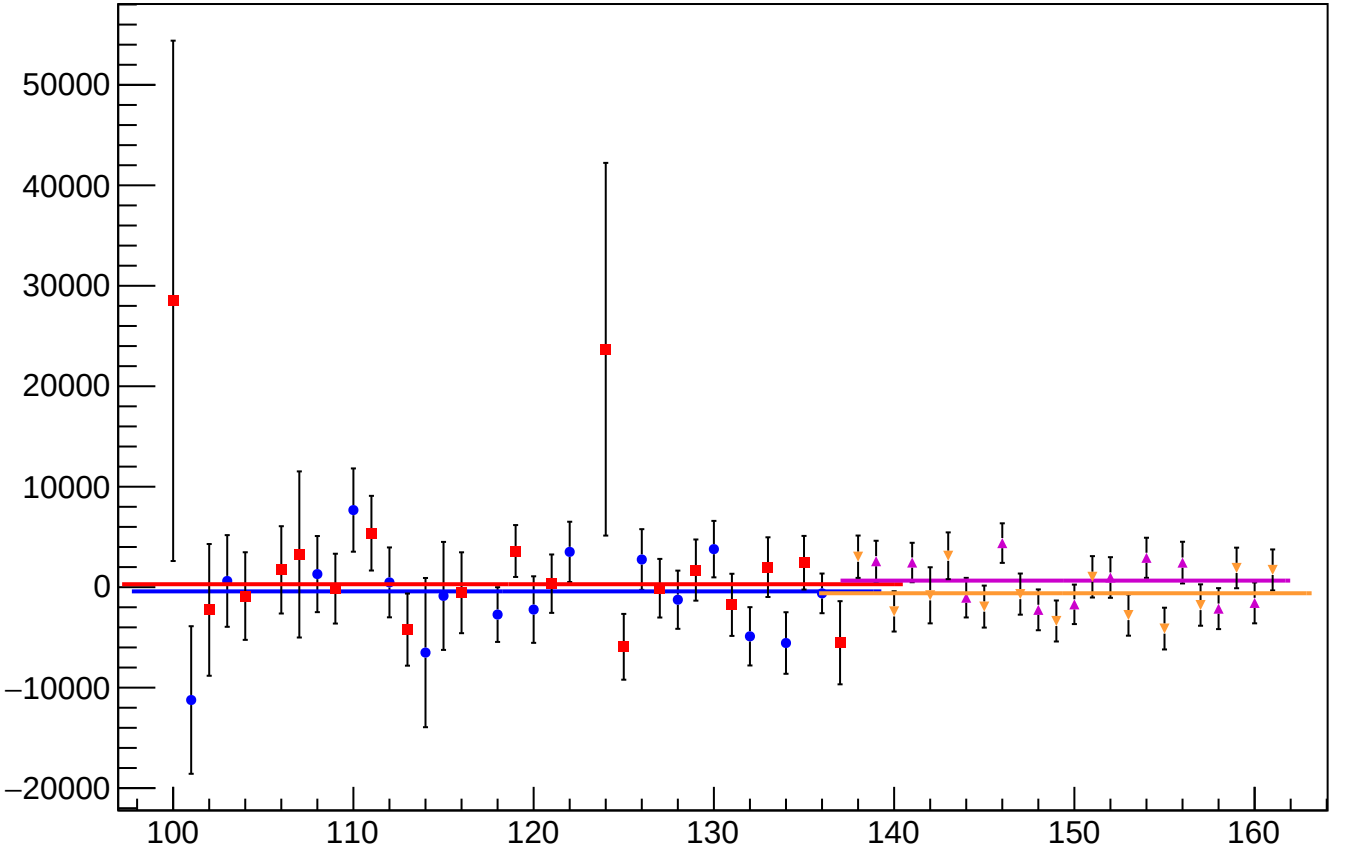
Left In: 458.567+/-0.106 χ^2/NDF:140534.4/10

+ sign 500.666+/-0.091 χ^2/NDF: 4317589.4/28

All: 503.796+/-0.065 χ^2/NDF: 8496161.8/58

- sign 507.107+/-0.093 χ^2/NDF: 4176111.1/29

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -604.448+/-585.261 χ^2/NDF:16.4/12

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

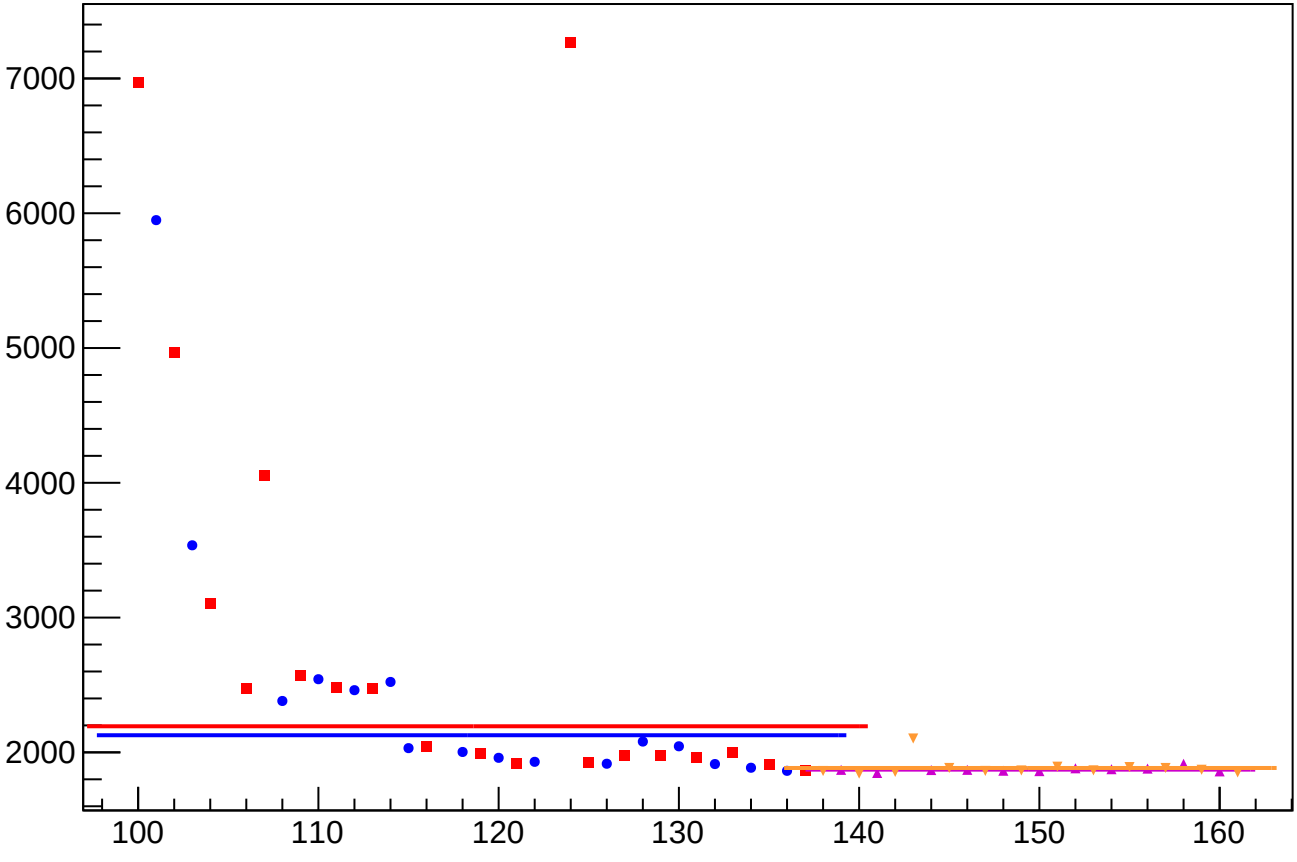
Left In: 653.829+/-605.417 χ^2/NDF:14.7/10

+ sign -540.935+/-475.458 χ^2/NDF: 34.8/28

All: -21.303+/-341.040 χ^2/NDF: 67.7/58

- sign 529.366+/-489.452 χ^2/NDF: 30.5/29

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1884.063+/-0.414 χ^2/NDF:20190.1/12

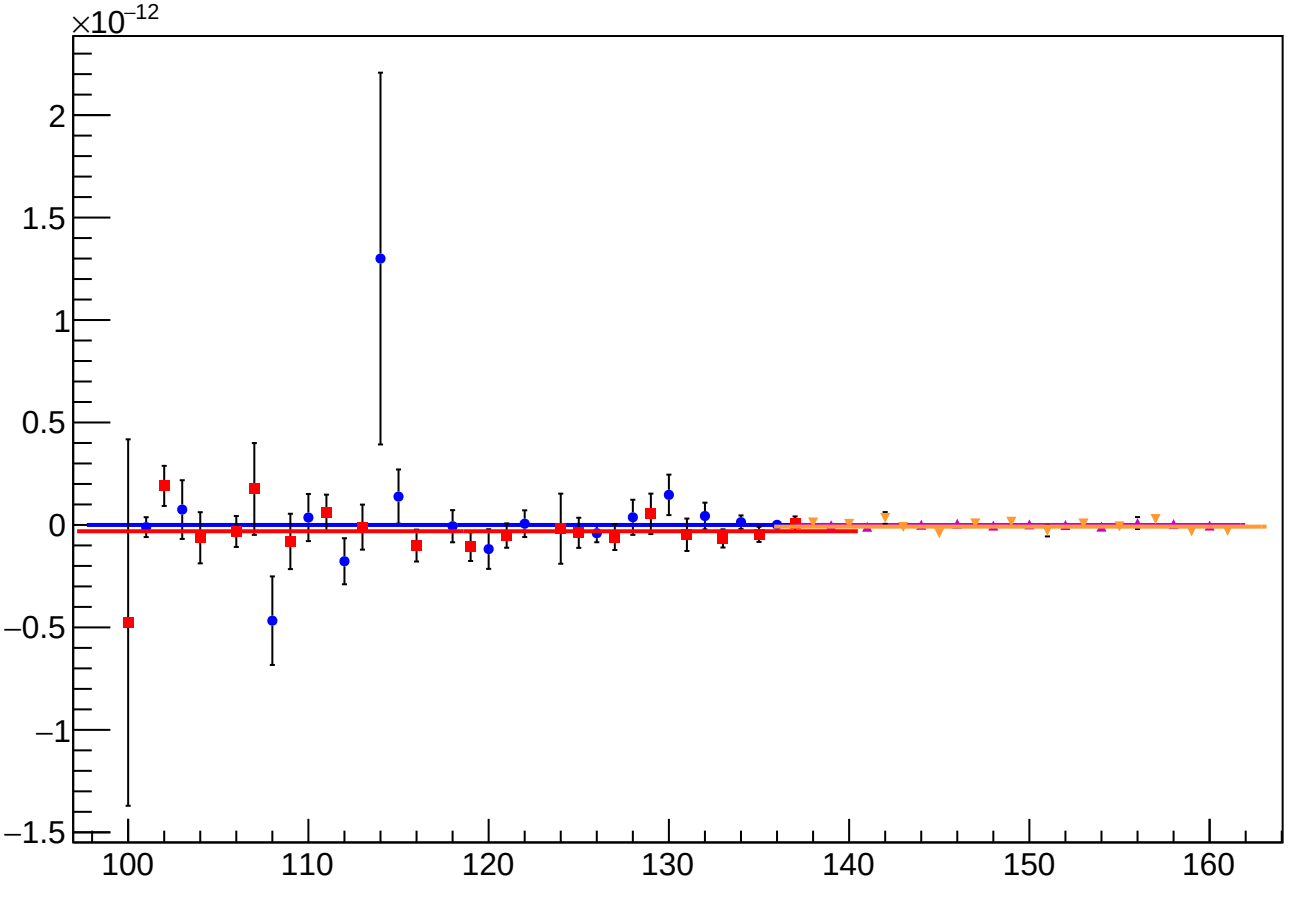
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1871.810+/-0.428 χ^2/NDF:1479.0/10

+ sign 1966.682+/-0.336 χ^2/NDF: 1012483.0/28

All: 1974.734+/-0.241 χ^2/NDF: 2153400.8/58

- sign 1983.265+/-0.346 χ^2/NDF: 1139736.6/29



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/12

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

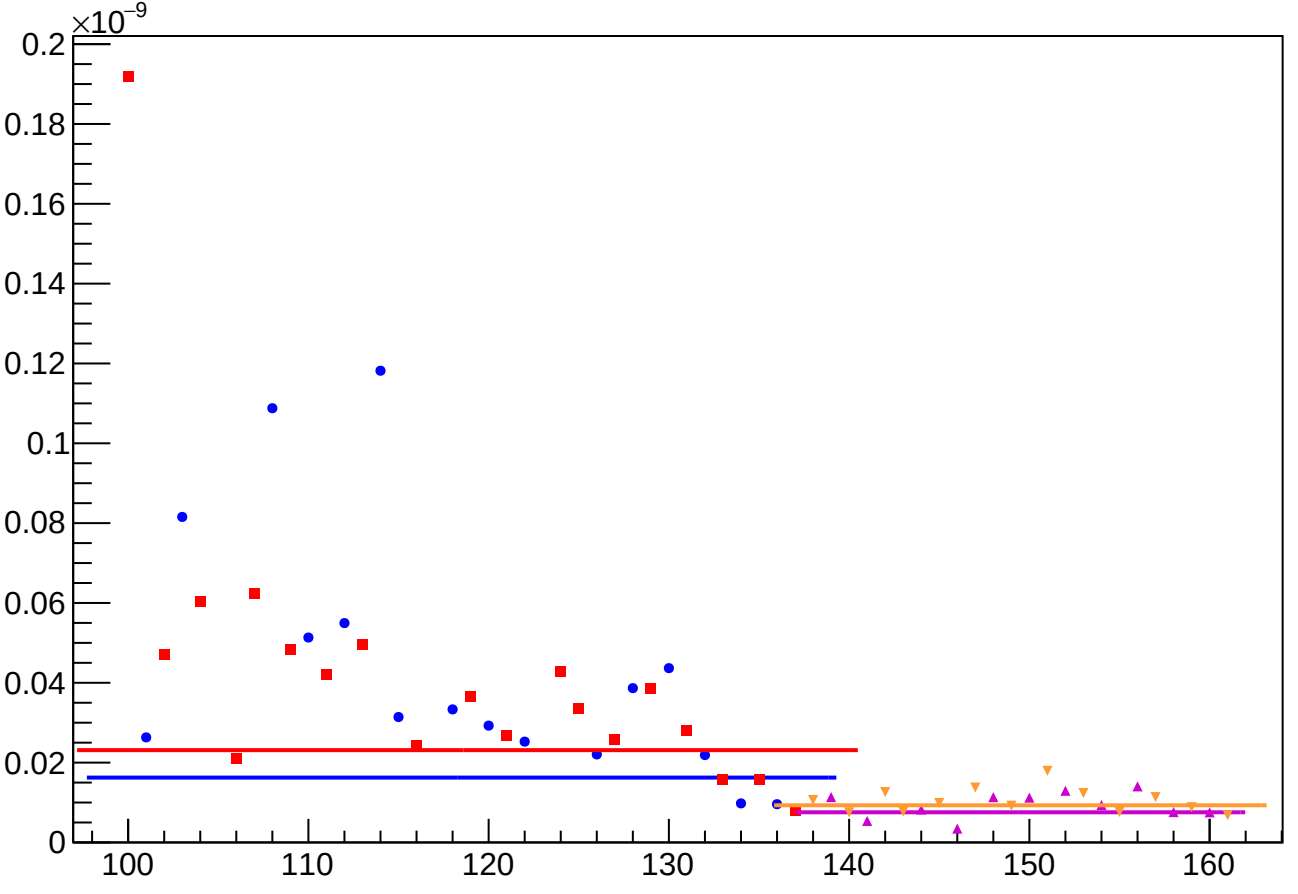
Left In: -0.000+/-0.000 χ^2/NDF:1.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/28

All: -0.000+/-0.000 χ^2/NDF: 53.3/58

- sign -0.000+/-0.000 χ^2/NDF: 17.3/29

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:523942.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

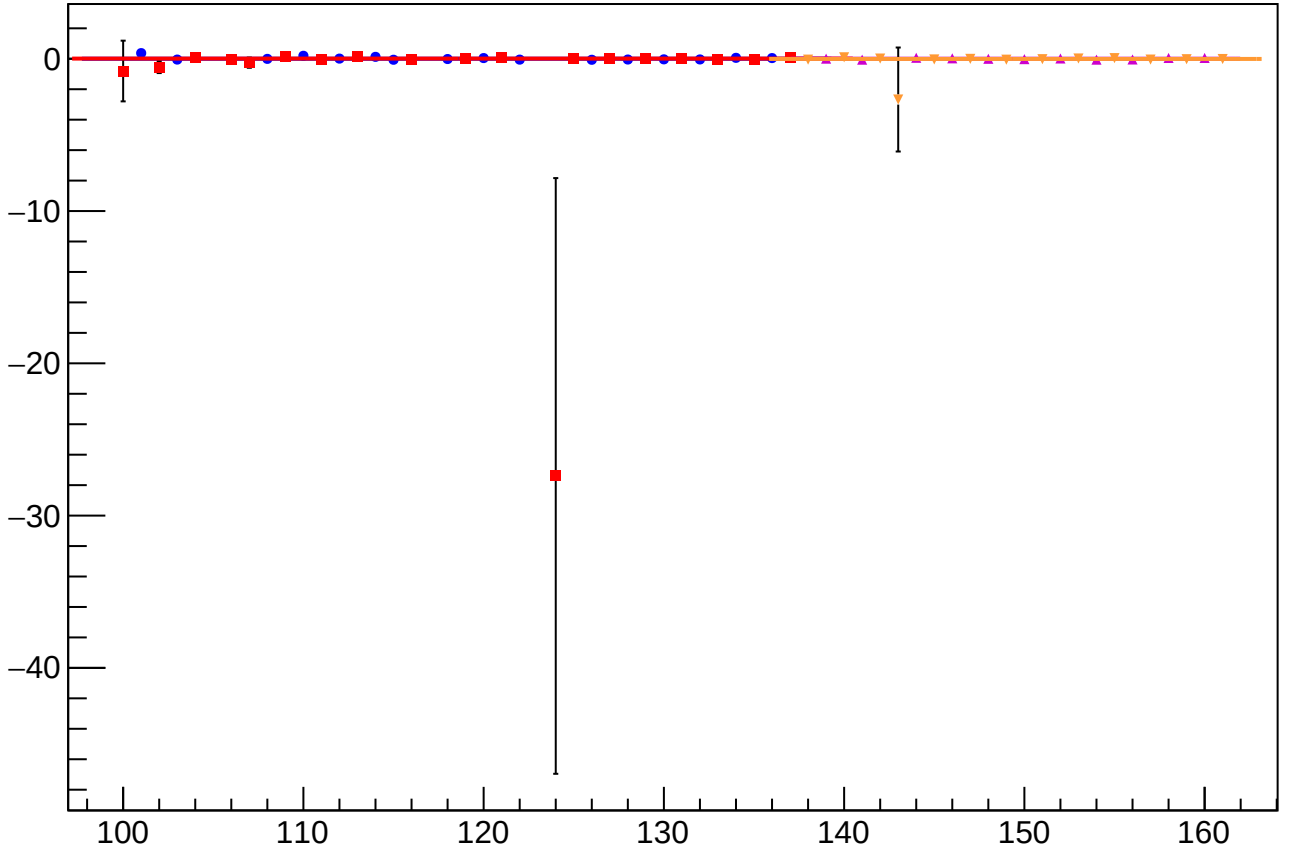
Left In: 0.000+/-0.000 χ^2/NDF:871555.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 3394718.0/28

All: 0.000+/-0.000 χ^2/NDF: 7606625.2/58

- sign 0.000+/-0.000 χ^2/NDF: 4091216.4/29

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.011+/-0.011 χ^2/NDF:16.2/12

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

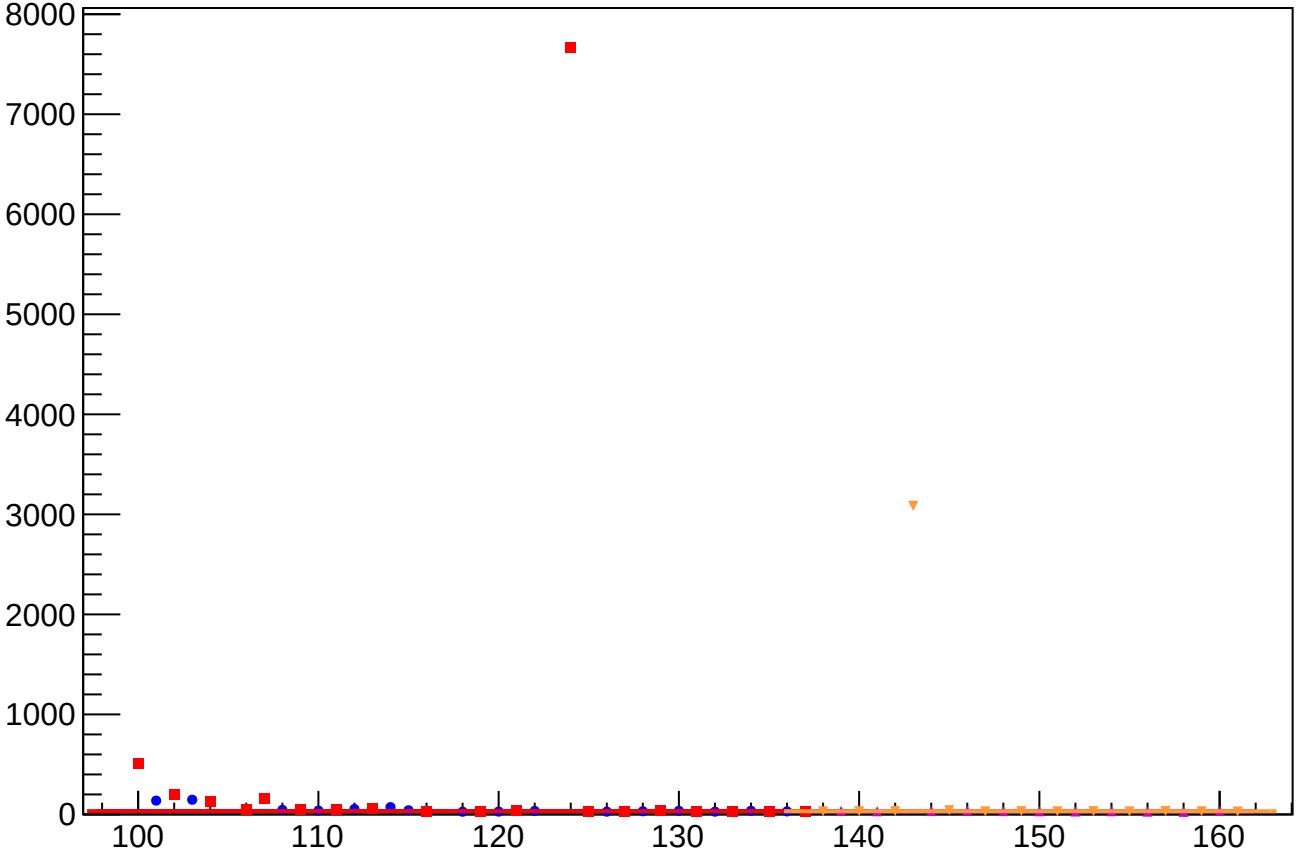
Left In: 0.003+/-0.011 χ^2/NDF:15.3/10

+ sign -0.006+/-0.009 χ^2/NDF: 37.6/28

All: -0.000+/-0.006 χ^2/NDF: 68.3/58

- sign 0.006+/-0.009 χ^2/NDF: 29.8/29

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.088+/-0.008 χ^2/NDF:1714790.0/12

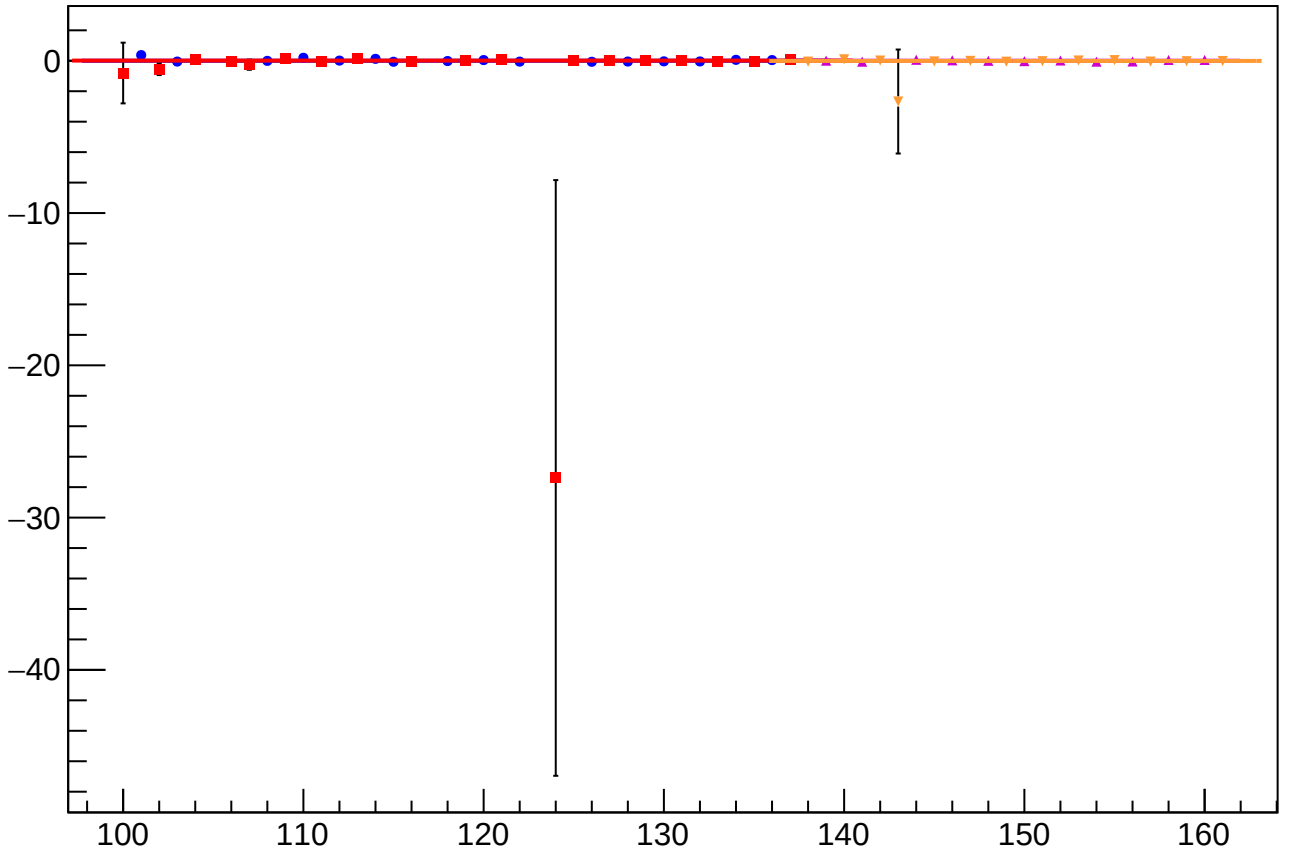
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.037+/-0.008 χ^2/NDF:170776.7/10

+ sign 32.812+/-0.006 χ^2/NDF: 3454531.8/28

All: 32.618+/-0.004 χ^2/NDF: 5708607.2/58

- sign 32.421+/-0.006 χ^2/NDF: 2252182.2/29



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.011+/-0.011 χ^2/NDF:16.2/12

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

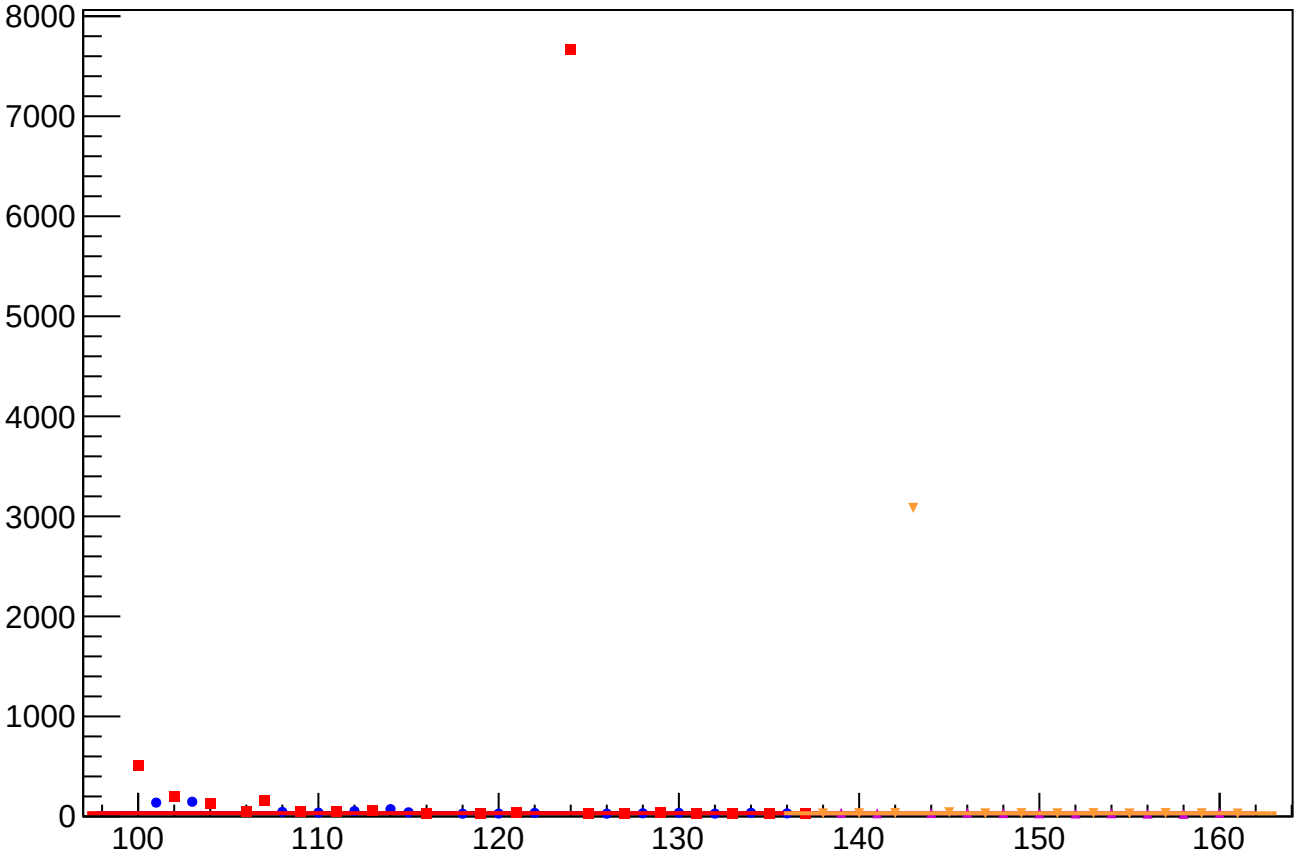
Left In: 0.003+/-0.011 χ^2/NDF:15.3/10

+ sign -0.006+/-0.009 χ^2/NDF: 37.6/28

All: -0.000+/-0.006 χ^2/NDF: 68.3/58

- sign 0.006+/-0.009 χ^2/NDF: 29.8/29

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: 32.088+/-0.008 χ^2/NDF:1714790.0/12

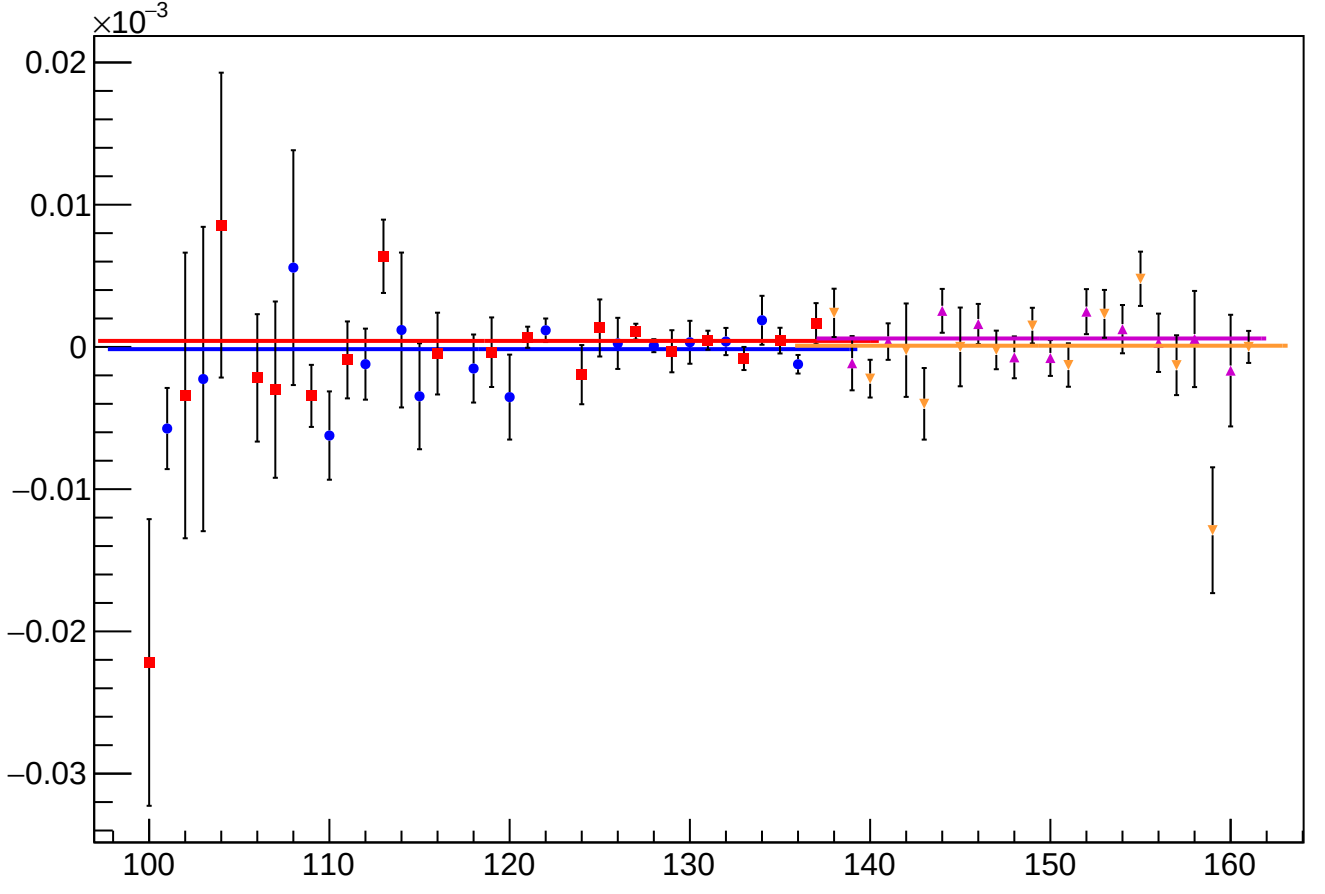
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.037+/-0.008 χ^2/NDF:170776.7/10

+ sign 32.812+/-0.006 χ^2/NDF: 3454531.8/28

All: 32.618+/-0.004 χ^2/NDF: 5708607.2/58

- sign 32.421+/-0.006 χ^2/NDF: 2252182.2/29



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/12

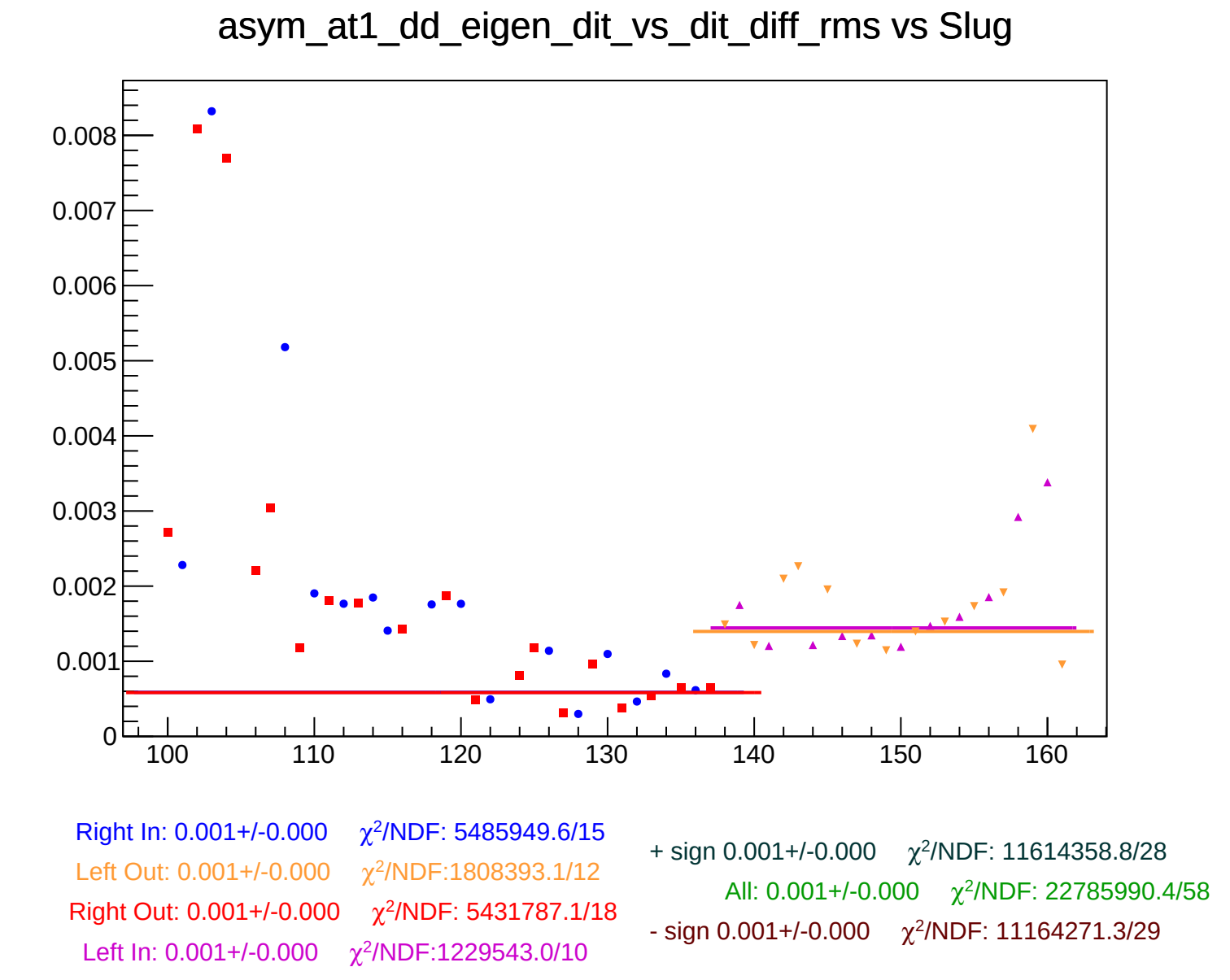
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

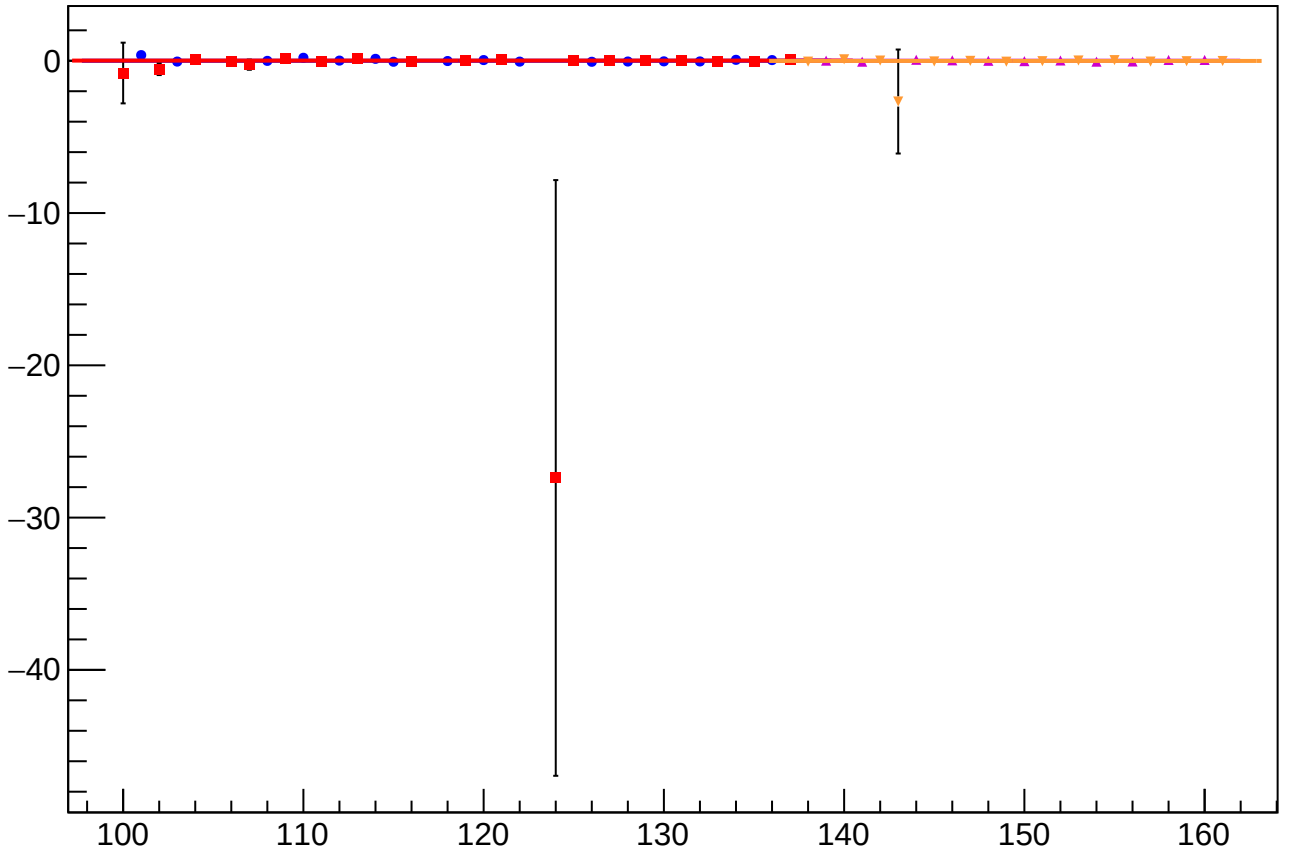
Left In: 0.000+/-0.000 χ^2/NDF:6.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 44.9/28

All: 0.000+/-0.000 χ^2/NDF: 75.9/58

- sign 0.000+/-0.000 χ^2/NDF: 28.5/29


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
Right In: 0.001+/-0.000 χ²/NDF: 5485949.6/15
Left Out: 0.001+/-0.000 χ²/NDF:1808393.1/12
Right Out: 0.001+/-0.000 χ²/NDF: 5431787.1/18
Left In: 0.001+/-0.000 χ²/NDF:1229543.0/10
+ sign 0.001+/-0.000 χ²/NDF: 11614358.8/28
All: 0.001+/-0.000 χ²/NDF: 22785990.4/58
- sign 0.001+/-0.000 χ²/NDF: 11164271.3/29



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.011+/-0.011 χ^2/NDF:16.2/12

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

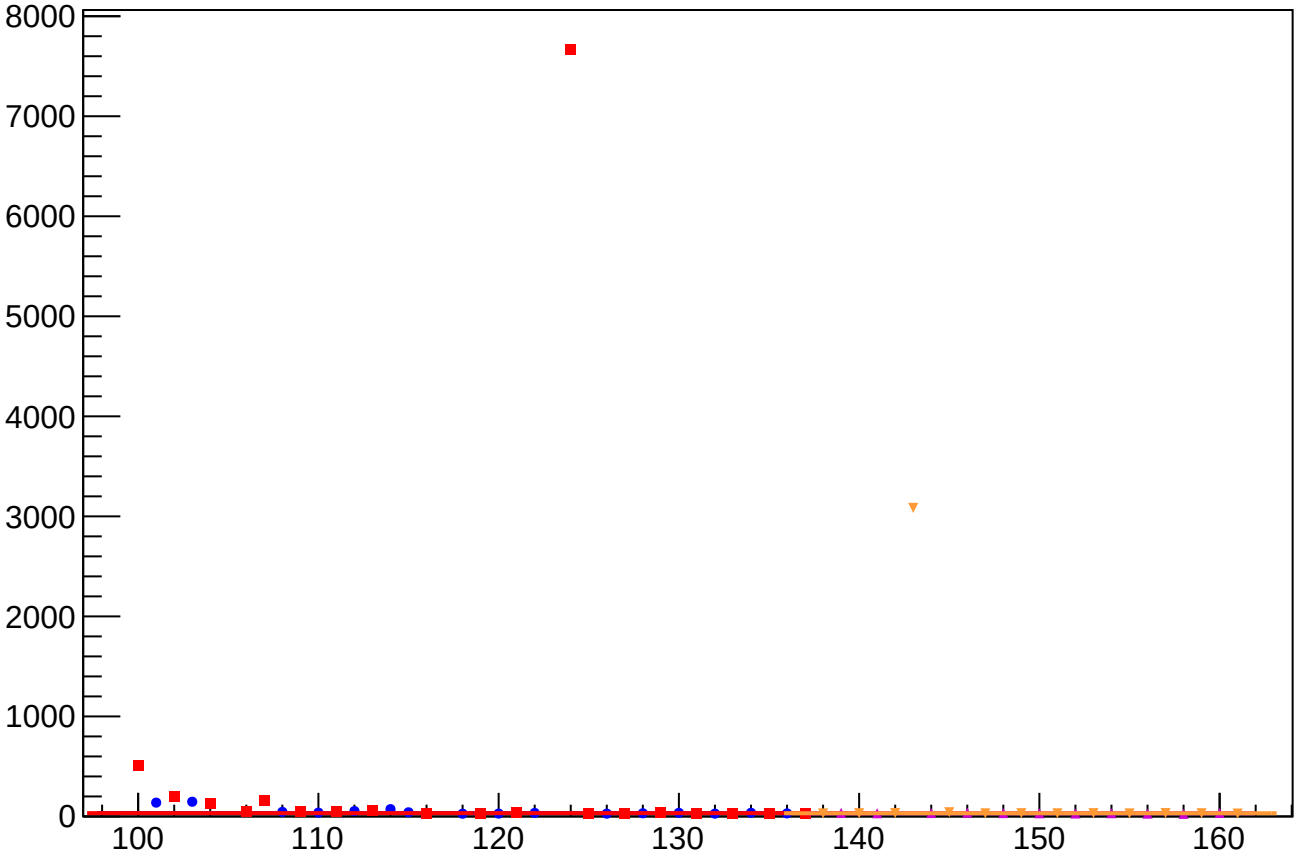
Left In: 0.003+/-0.011 χ^2/NDF:15.3/10

+ sign -0.006+/-0.009 χ^2/NDF: 37.6/28

All: -0.000+/-0.006 χ^2/NDF: 68.3/58

- sign 0.006+/-0.009 χ^2/NDF: 29.8/29

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: 32.088+/-0.008 χ^2/NDF:1714787.5/12

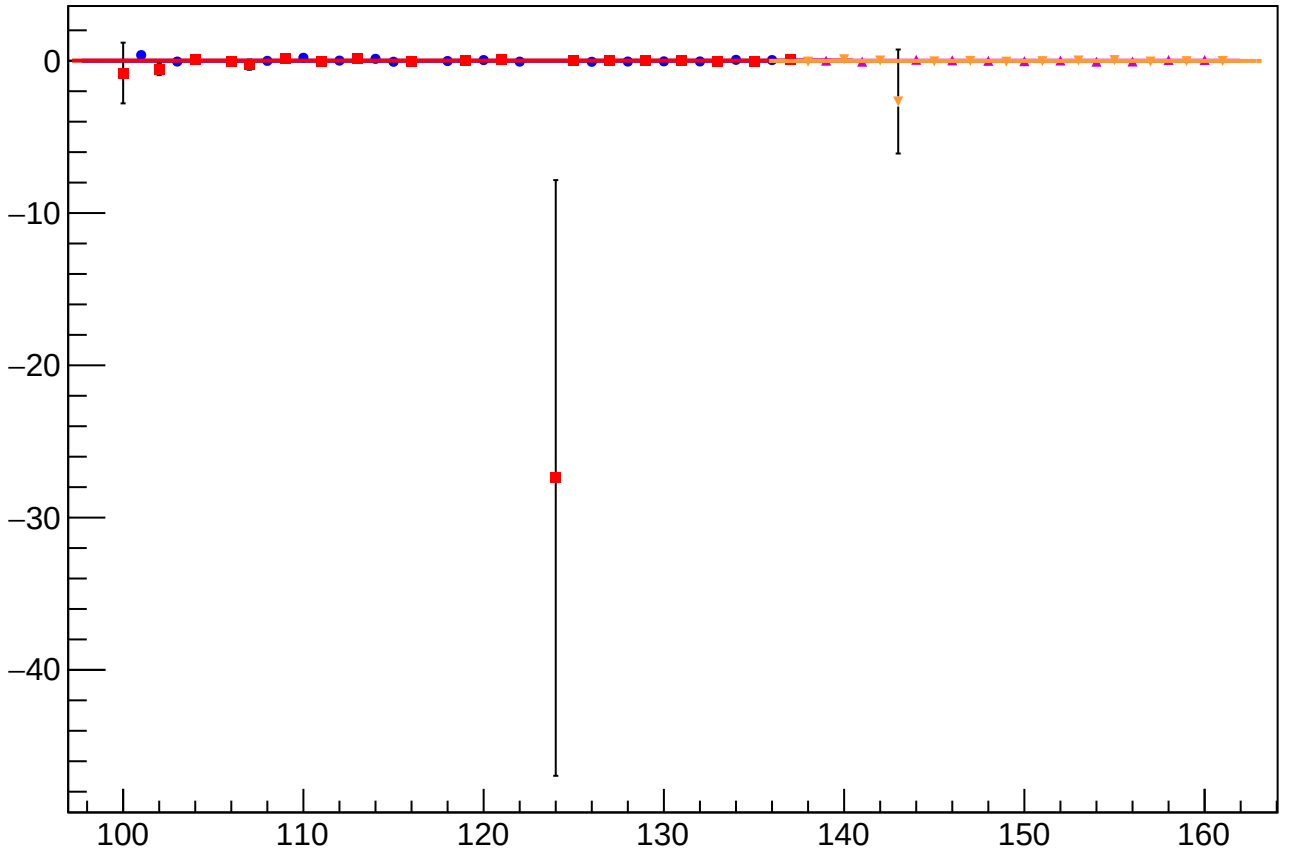
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.037+/-0.008 χ^2/NDF:170713.9/10

+ sign 32.812+/-0.006 χ^2/NDF: 3454516.6/28

All: 32.618+/-0.004 χ^2/NDF: 5708502.9/58

- sign 32.421+/-0.006 χ^2/NDF: 2252094.6/29



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.011+/-0.011 χ^2/NDF:16.2/12

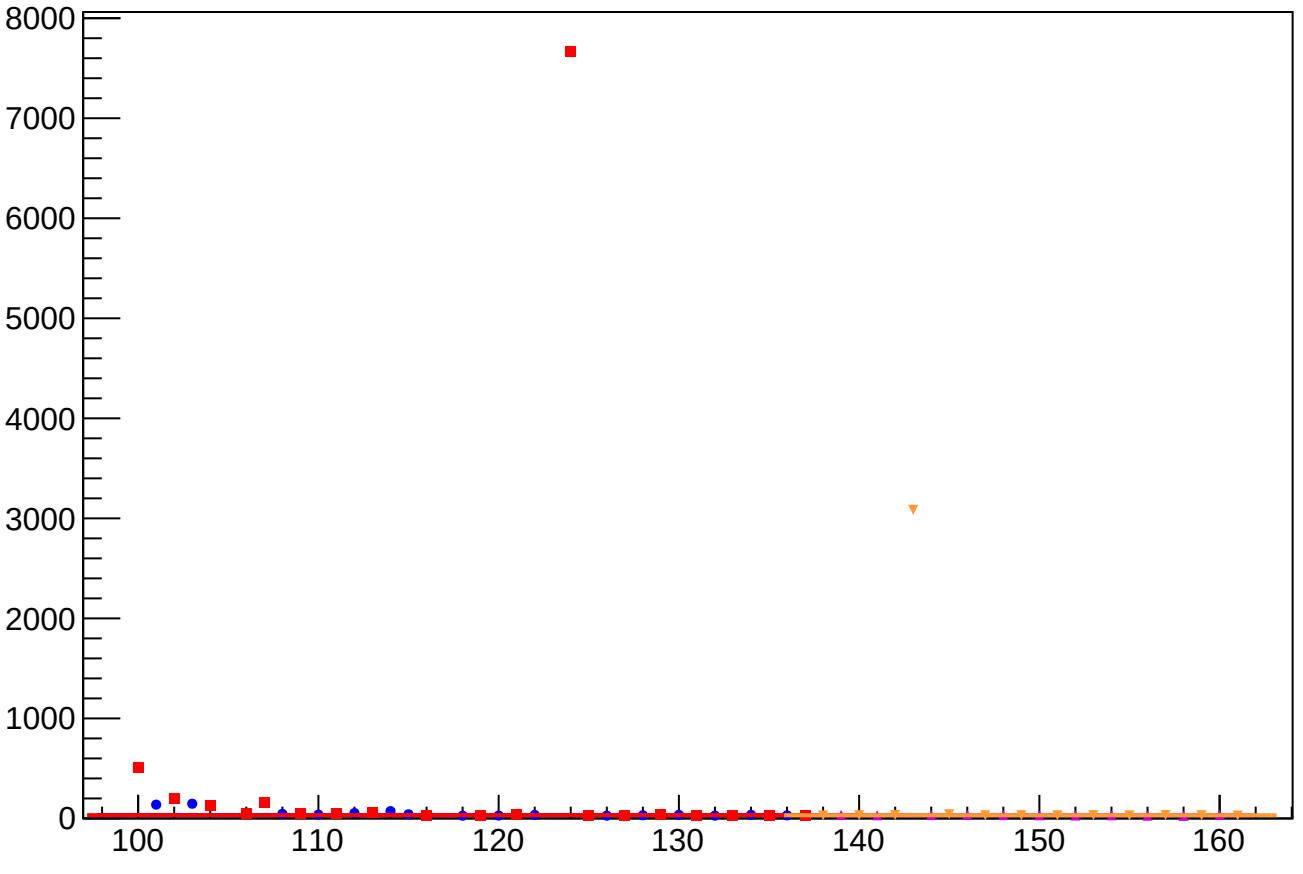
Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.003+/-0.011 χ^2/NDF:15.3/10

+ sign -0.006+/-0.009 χ^2/NDF: 37.6/28

All: -0.000+/-0.006 χ^2/NDF: 68.3/58

- sign 0.006+/-0.009 χ^2/NDF: 29.8/29



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.088+/-0.008 χ^2/NDF:1714787.5/12

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

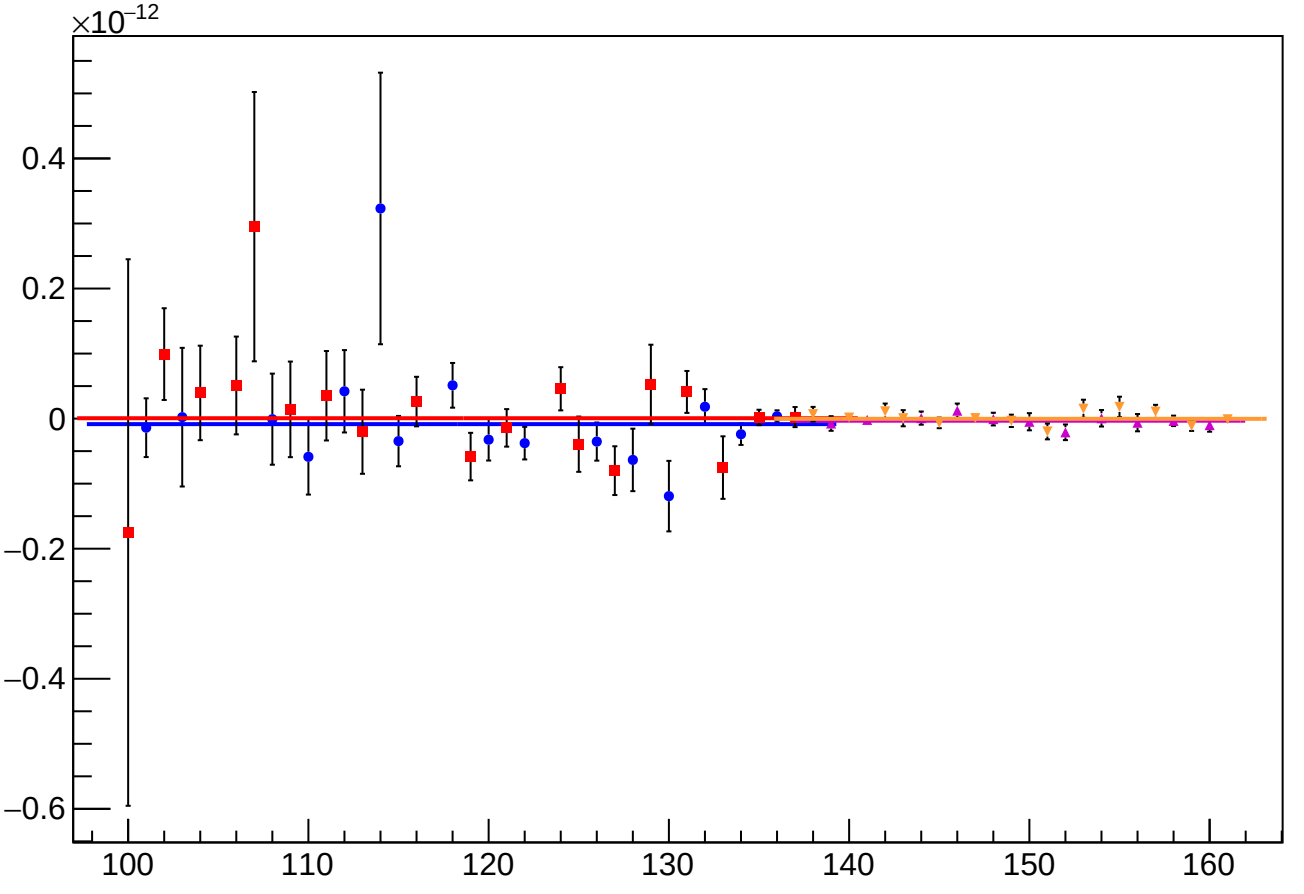
Left In: 32.037+/-0.008 χ^2/NDF:170713.9/10

+ sign 32.812+/-0.006 χ^2/NDF: 3454516.6/28

All: 32.618+/-0.004 χ^2/NDF: 5708502.9/58

- sign 32.421+/-0.006 χ^2/NDF: 2252094.6/29

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:10.2/12

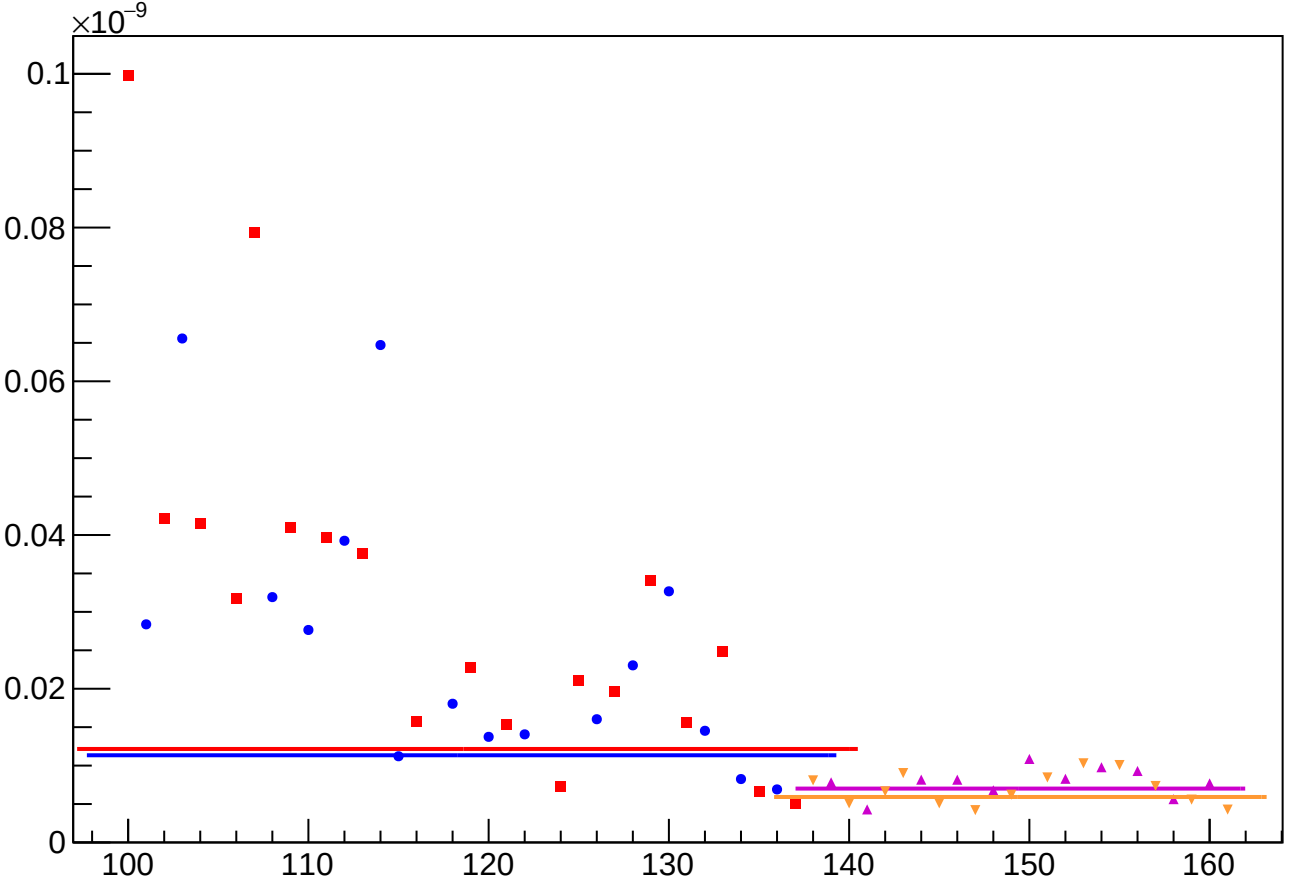
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/10

+ sign -0.000+/-0.000 χ^2/NDF: 30.9/28

All: -0.000+/-0.000 χ^2/NDF: 57.3/58

- sign -0.000+/-0.000 χ^2/NDF: 26.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:986908.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

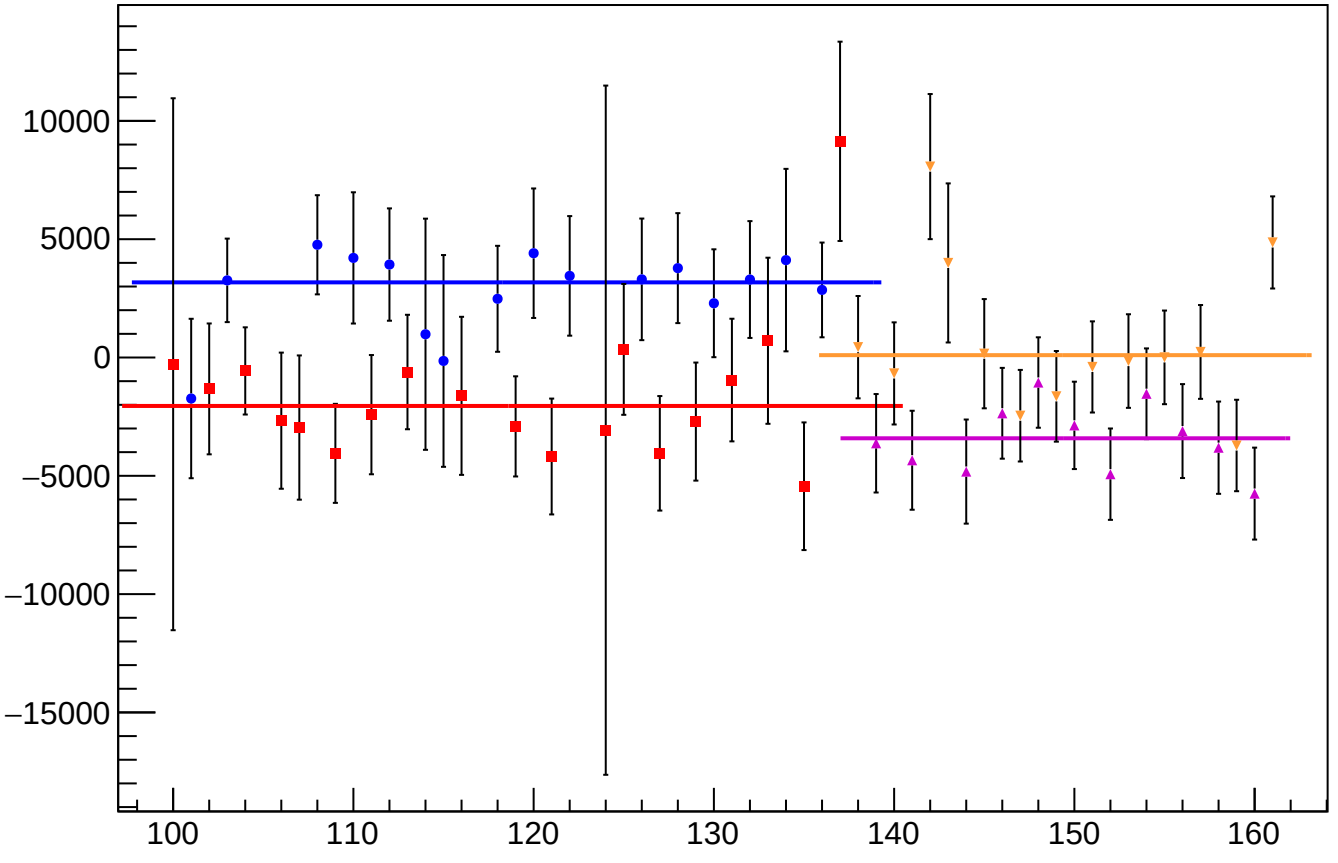
Left In: 0.000+/-0.000 χ^2/NDF:863875.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 5047104.2/28

All: 0.000+/-0.000 χ^2/NDF: 10723155.1/58

- sign 0.000+/-0.000 χ^2/NDF: 5485935.3/29

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 99.434+/-585.487 χ^2/NDF:20.8/12

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

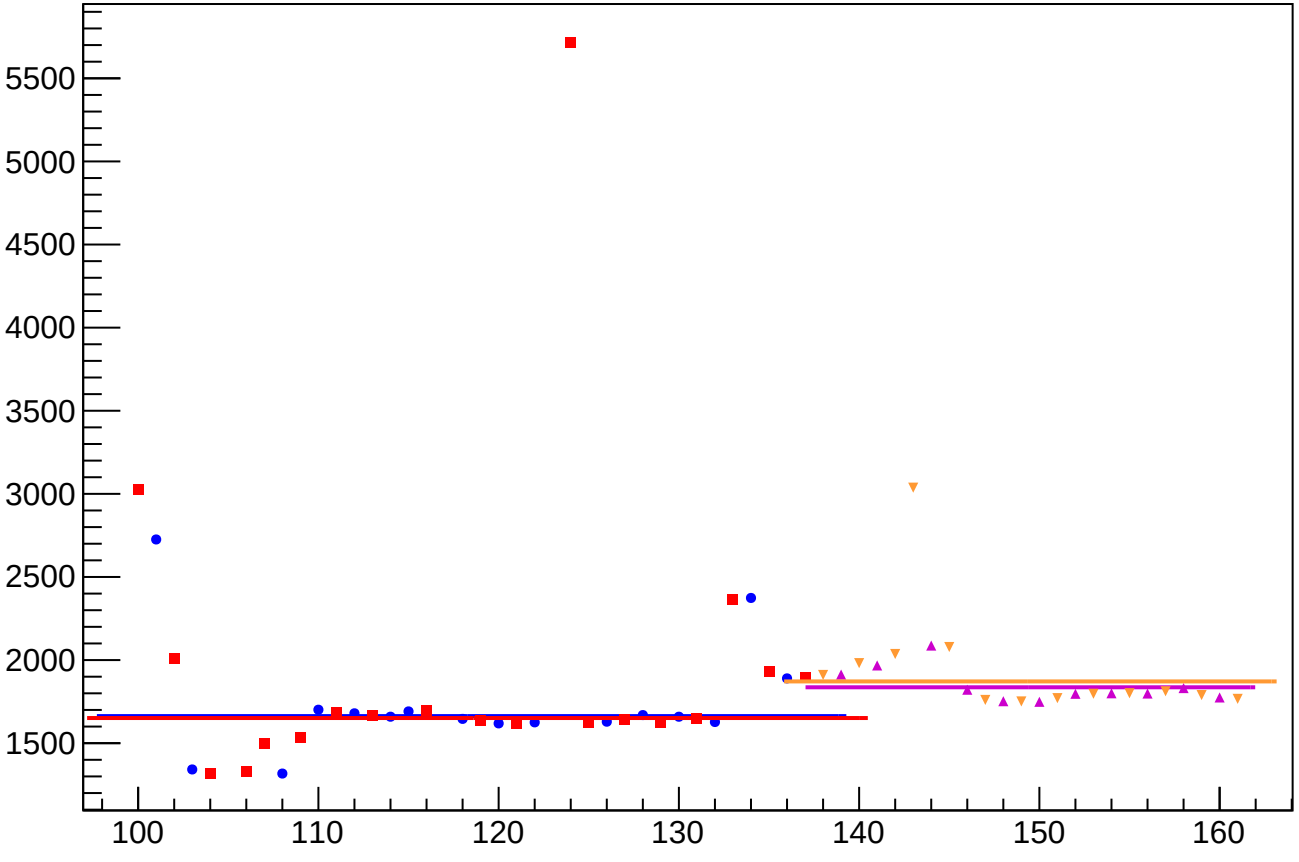
Left In: -3414.182+/-594.735 χ^2/NDF:5.6/10

+ sign 1529.898+/-428.240 χ^2/NDF: 37.9/28

All: -608.223+/-303.323 χ^2/NDF: 110.2/58

- sign -2760.854+/-429.691 χ^2/NDF: 22.2/29

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1871.556+/-0.414 χ^2/NDF:304775.1/12

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

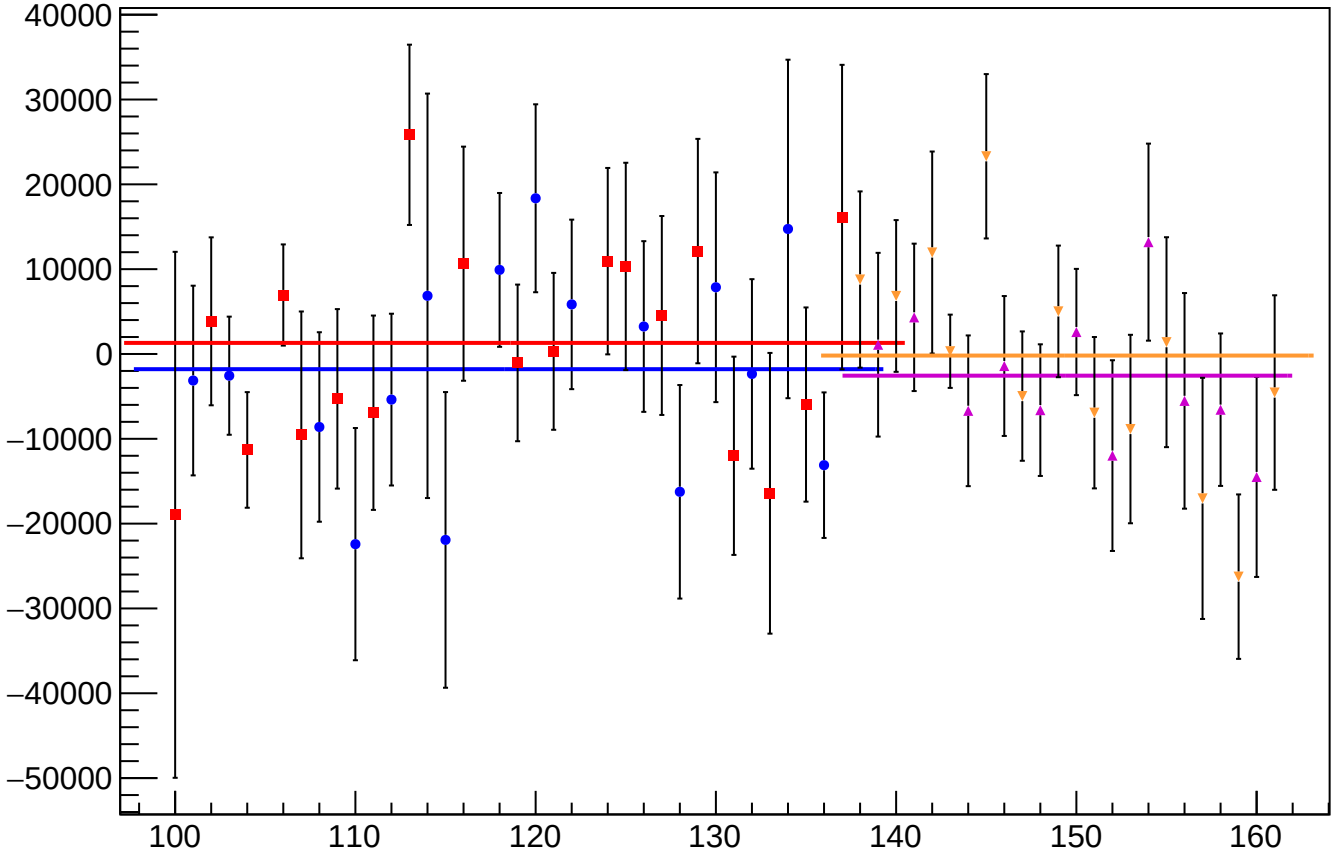
Left In: 1836.245+/-0.421 χ^2/NDF:49299.1/10

+ sign 1774.529+/-0.303 χ^2/NDF: 838525.0/28

All: 1761.235+/-0.214 χ^2/NDF: 1416084.4/58

- sign 1747.851+/-0.304 χ^2/NDF: 573691.7/29

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: -185.652+/-2375.023 χ^2/NDF:19.1/12

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

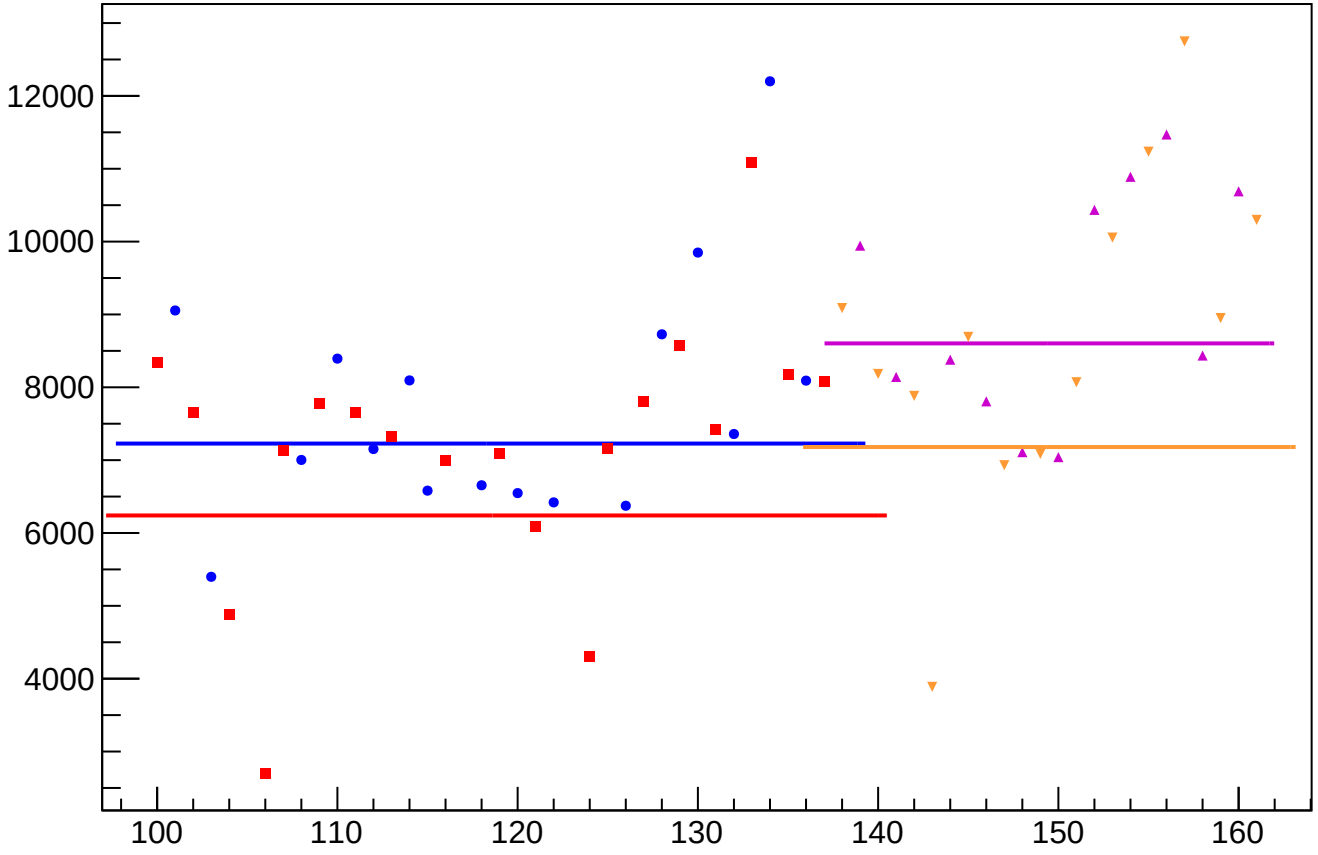
Left In: -2556.192+/-2829.732 χ^2/NDF:5.5/10

+ sign -873.334+/-1795.679 χ^2/NDF: 33.6/28

All: -610.340+/-1286.334 χ^2/NDF: 58.0/58

- sign -333.131+/-1843.567 χ^2/NDF: 24.4/29

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 7179.846+/-1.679 χ^2/NDF:2202604.0/12

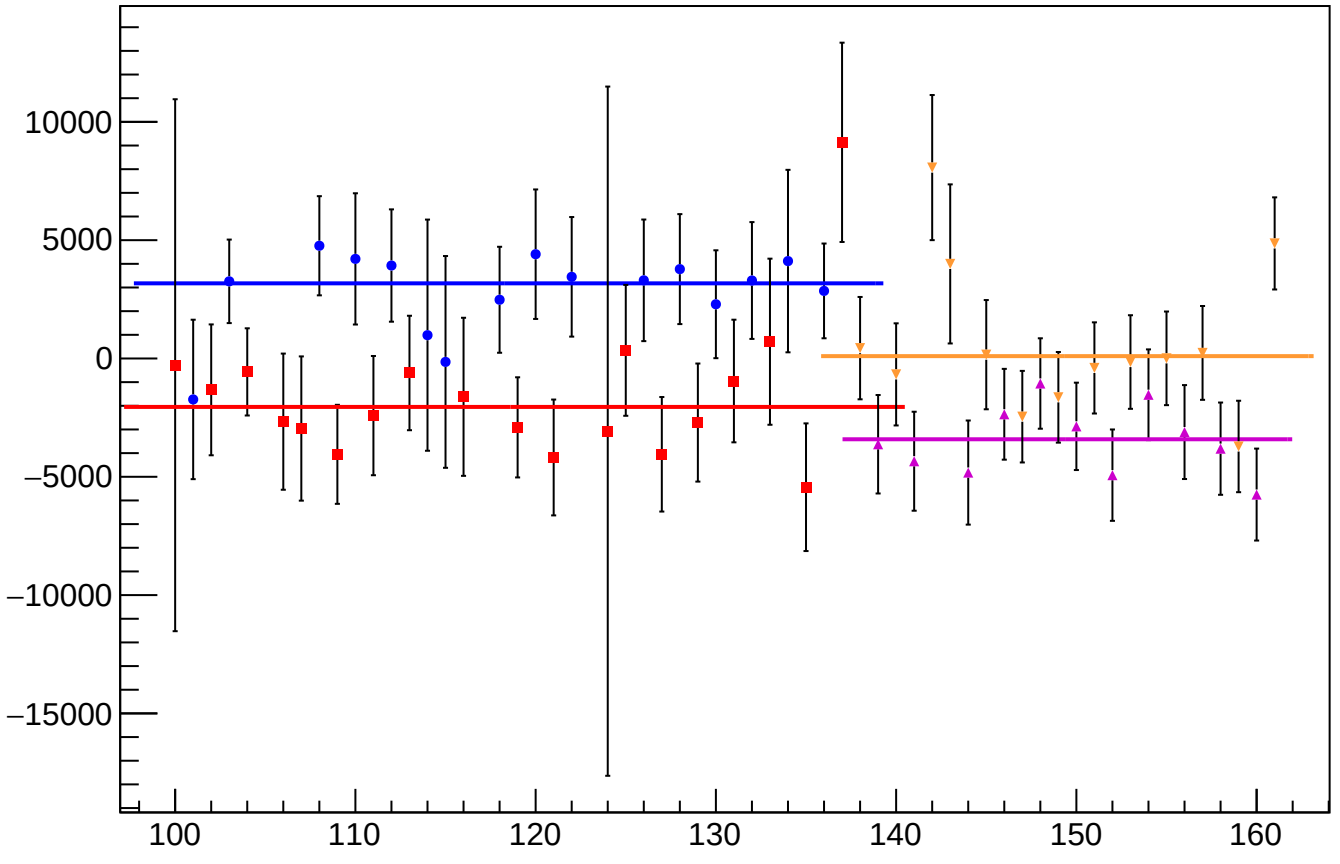
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8602.699+/-2.001 χ^2/NDF:514138.1/10

+ sign 7200.298+/-1.270 χ^2/NDF: 2706211.1/28

All: 7221.170+/-0.910 χ^2/NDF: 5422091.9/58

- sign 7243.170+/-1.304 χ^2/NDF: 2715325.8/29



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 99.358+/-585.487 χ^2/NDF:20.8/12

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

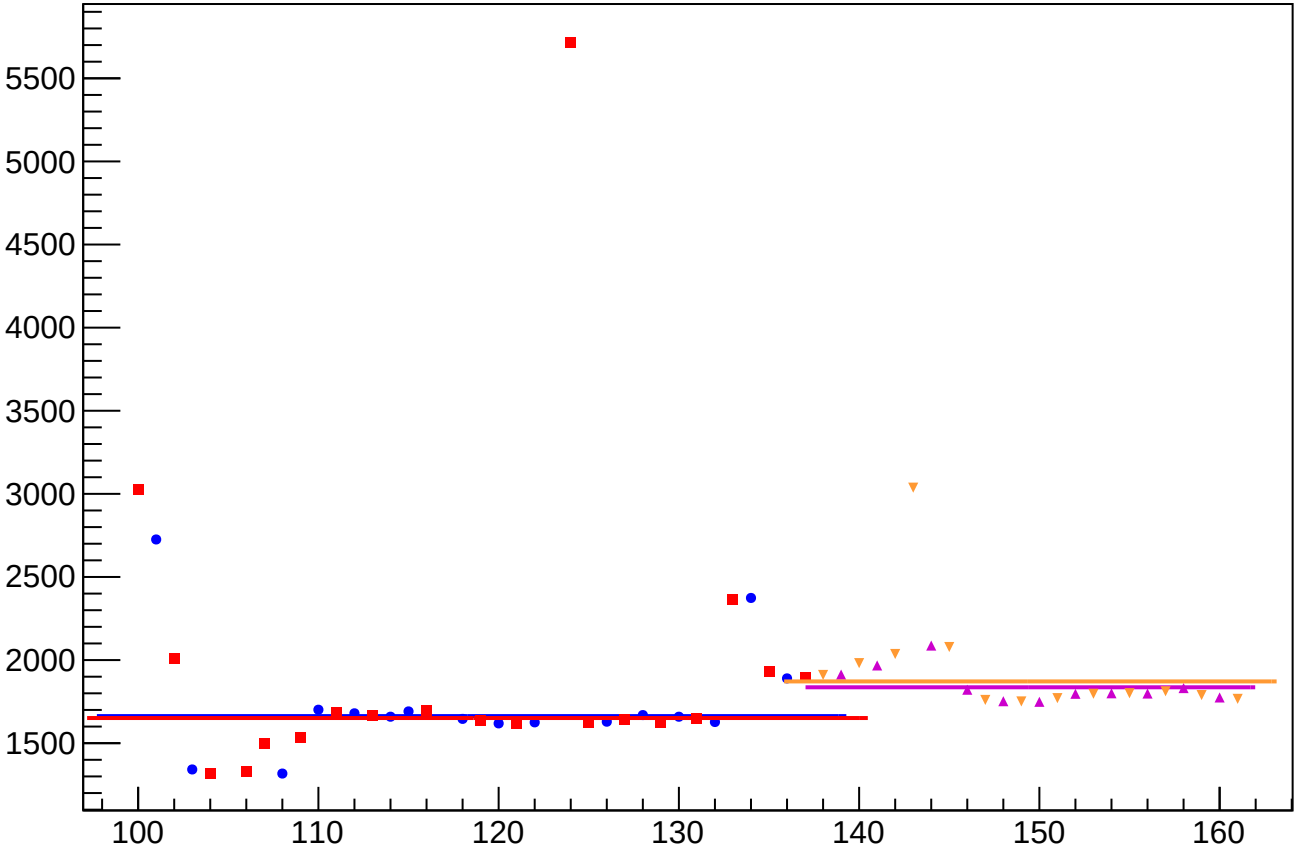
Left In: -3414.266+/-594.735 χ^2/NDF:5.6/10

+ sign 1529.899+/-428.240 χ^2/NDF: 37.9/28

All: -608.197+/-303.323 χ^2/NDF: 110.2/58

- sign -2760.804+/-429.691 χ^2/NDF: 22.2/29

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1871.556+/-0.414 χ^2/NDF:304775.1/12

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

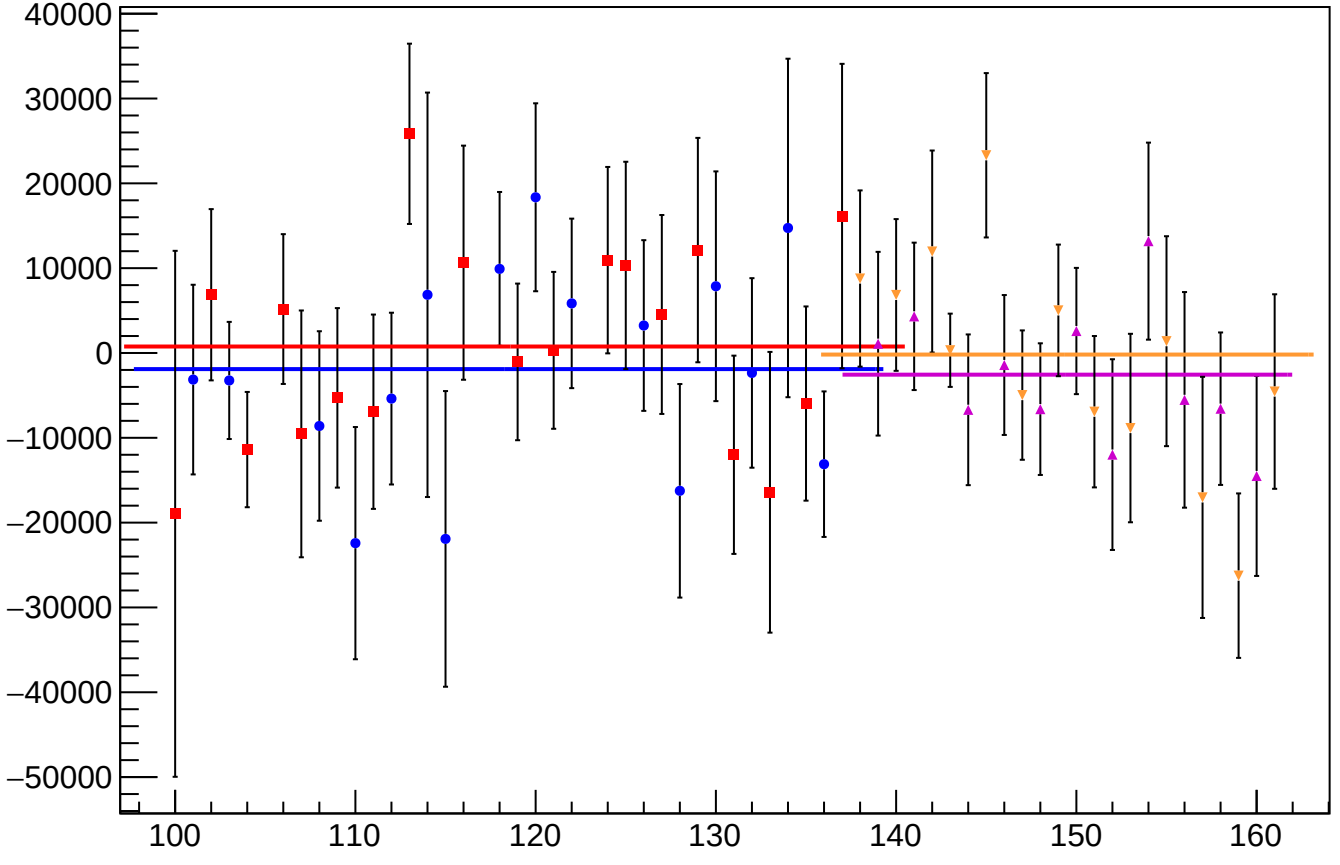
Left In: 1836.246+/-0.421 χ^2/NDF:49299.1/10

+ sign 1774.528+/-0.303 χ^2/NDF: 838525.5/28

All: 1761.235+/-0.214 χ^2/NDF: 1416085.2/58

- sign 1747.851+/-0.304 χ^2/NDF: 573692.0/29

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -185.755+/-2375.015 χ^2/NDF:19.1/12

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

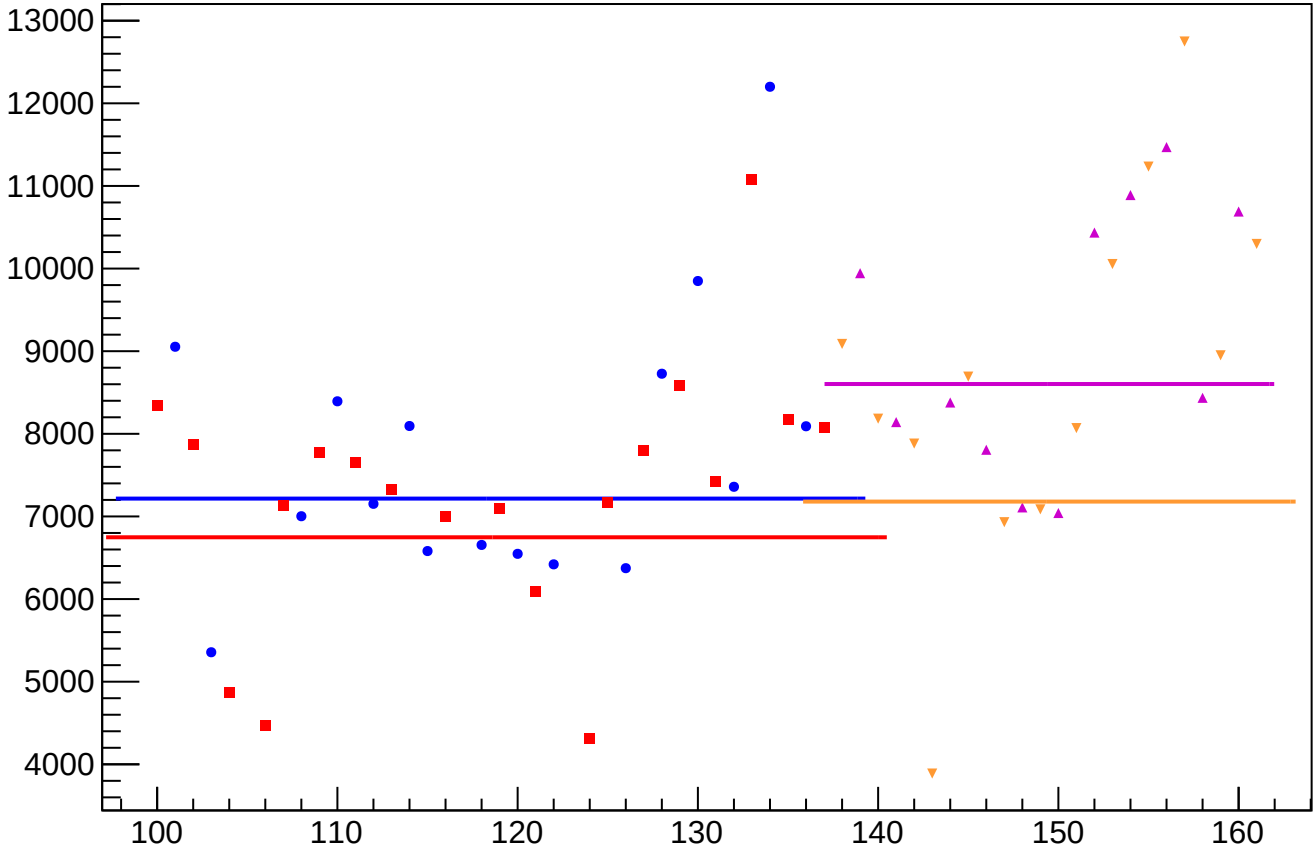
Left In: -2556.339+/-2829.731 χ^2/NDF:5.5/10

\+ sign -921.244+/-1794.647 χ^2/NDF: 33.7/28

All: -828.311+/-1302.812 χ^2/NDF: 57.3/58

\- sign -724.771+/-1894.297 χ^2/NDF: 23.6/29

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7179.810+/-1.679 χ^2/NDF:2202655.2/12

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

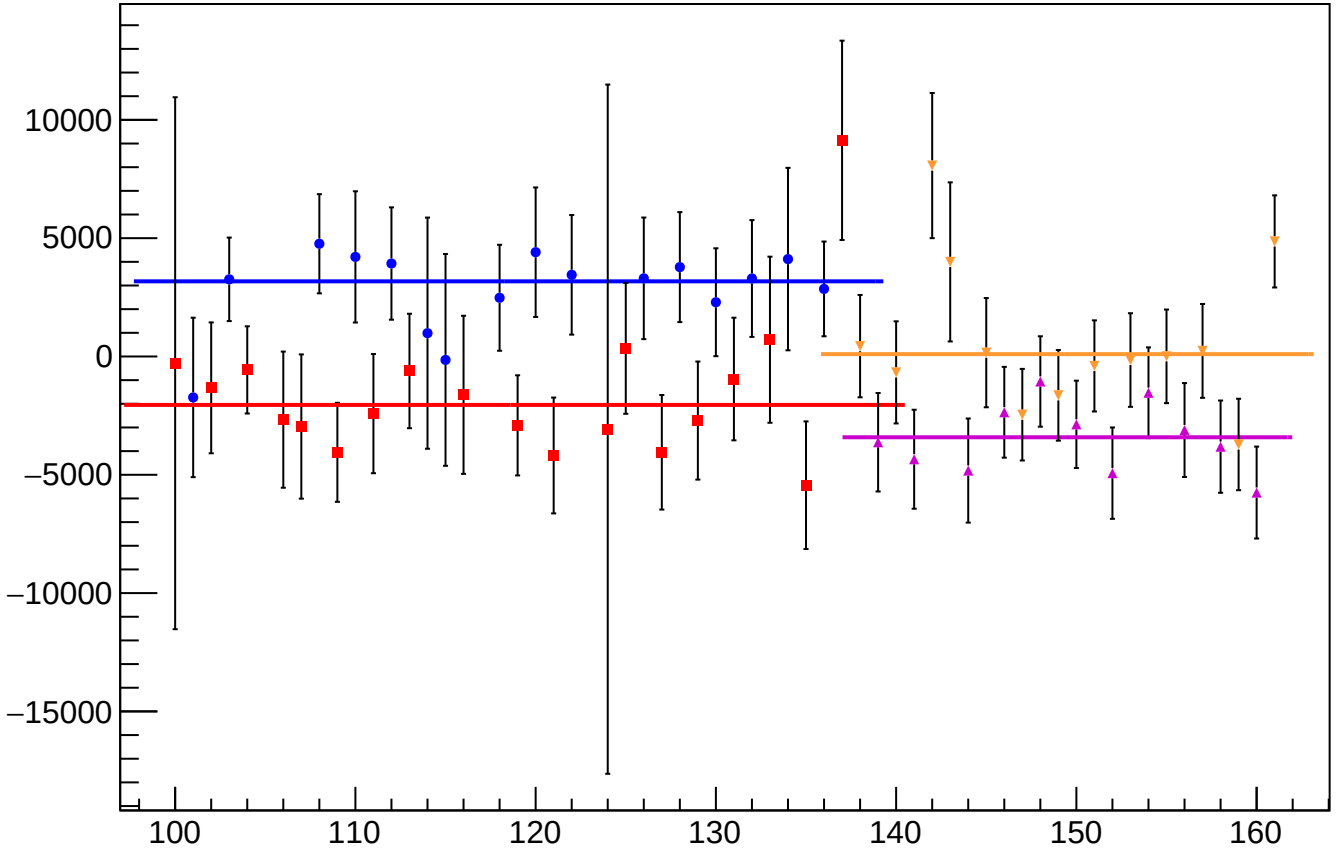
Left In: 8602.695+/-2.001 χ^2/NDF:514141.9/10

\+ sign 7195.348+/-1.269 χ^2/NDF: 2714981.1/28

All: 7376.819+/-0.921 χ^2/NDF: 4455438.9/58

\- sign 7579.003+/-1.339 χ^2/NDF: 1697224.5/29

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 99.358+/-585.487 χ^2/NDF:20.8/12

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

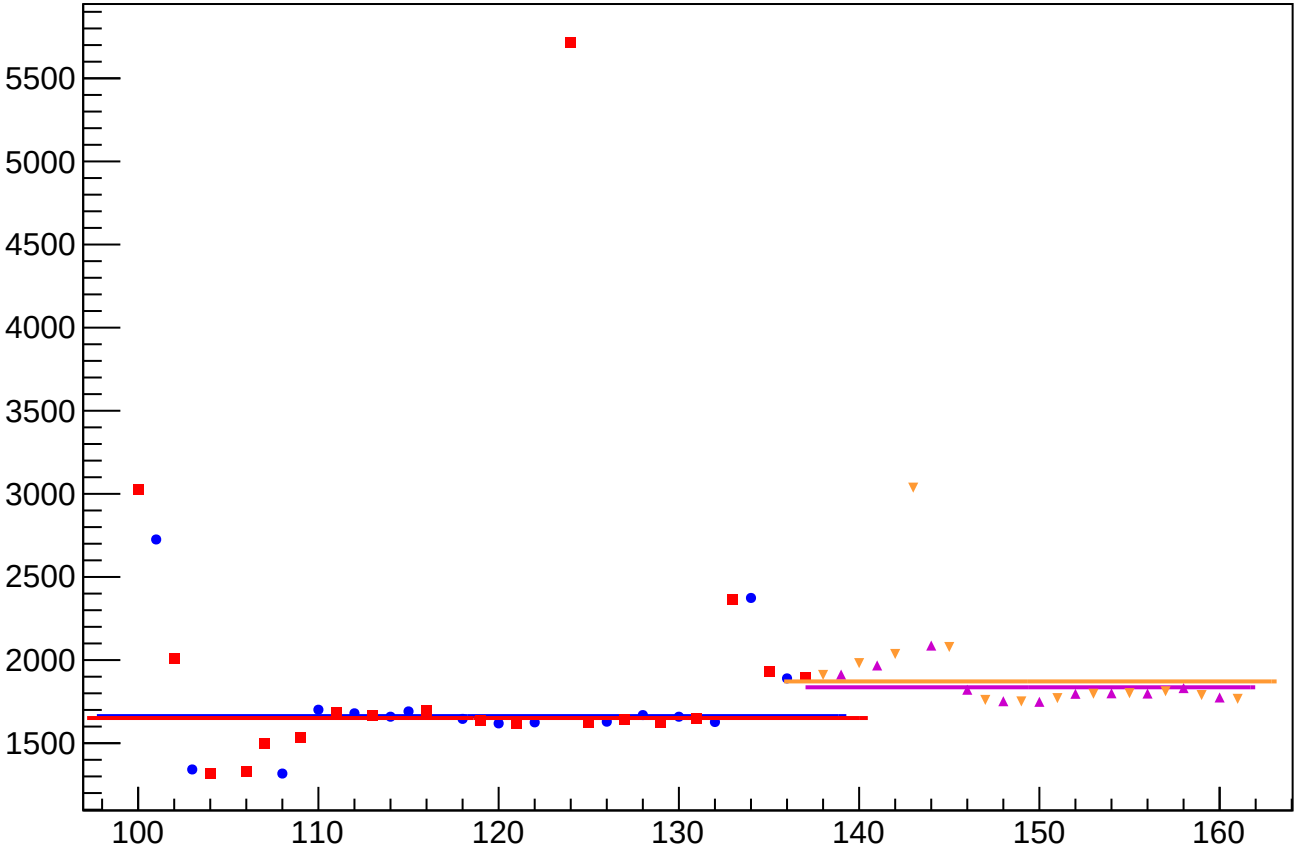
Left In: -3414.266+/-594.735 χ^2/NDF:5.6/10

+ sign 1529.899+/-428.240 χ^2/NDF: 37.9/28

All: -608.197+/-303.323 χ^2/NDF: 110.2/58

- sign -2760.804+/-429.691 χ^2/NDF: 22.2/29

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1871.556+/-0.414 χ^2/NDF:304775.1/12

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

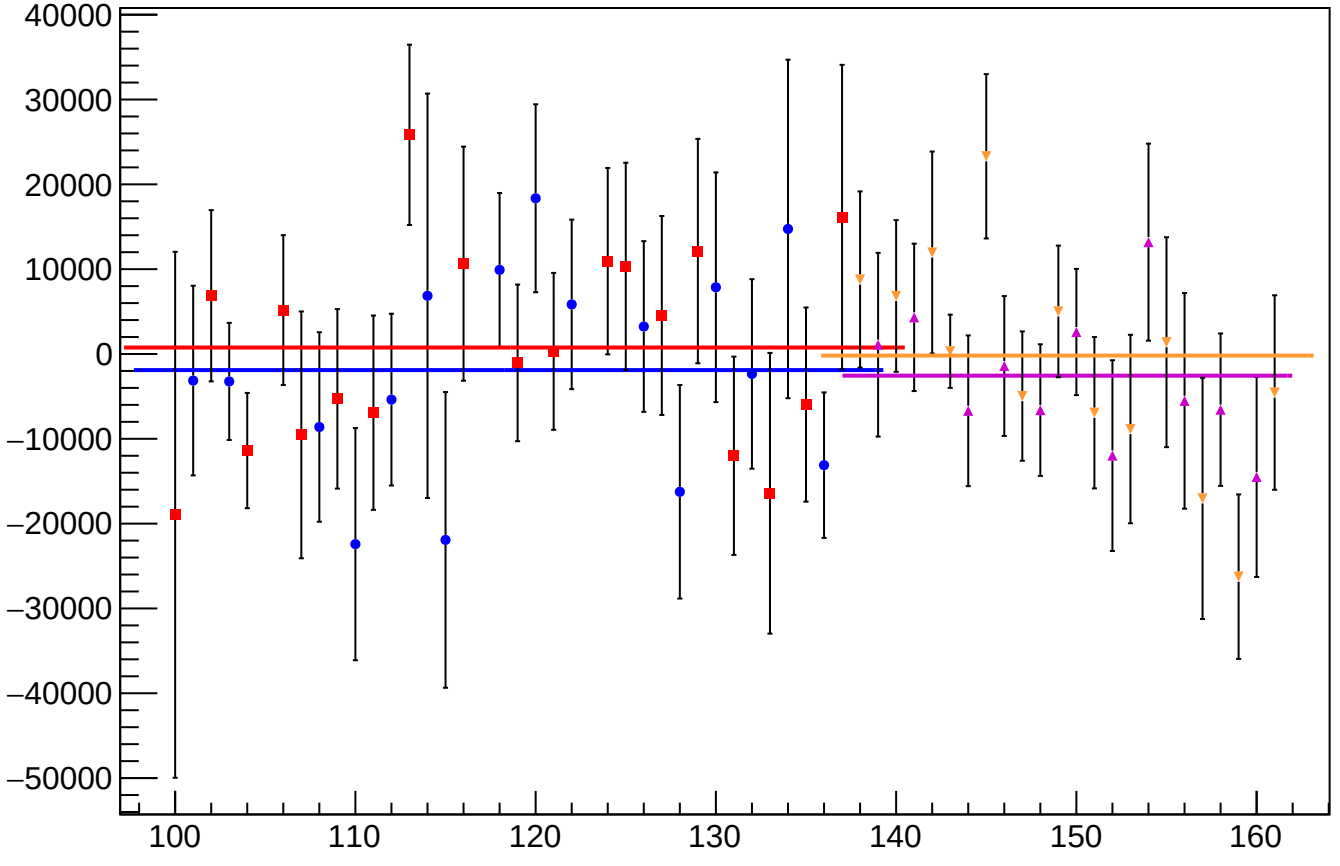
Left In: 1836.246+/-0.421 χ^2/NDF:49299.1/10

+ sign 1774.528+/-0.303 χ^2/NDF: 838525.5/28

All: 1761.235+/-0.214 χ^2/NDF: 1416085.2/58

- sign 1747.851+/-0.304 χ^2/NDF: 573692.0/29

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -185.755+/-2375.015 χ^2/NDF:19.1/12

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

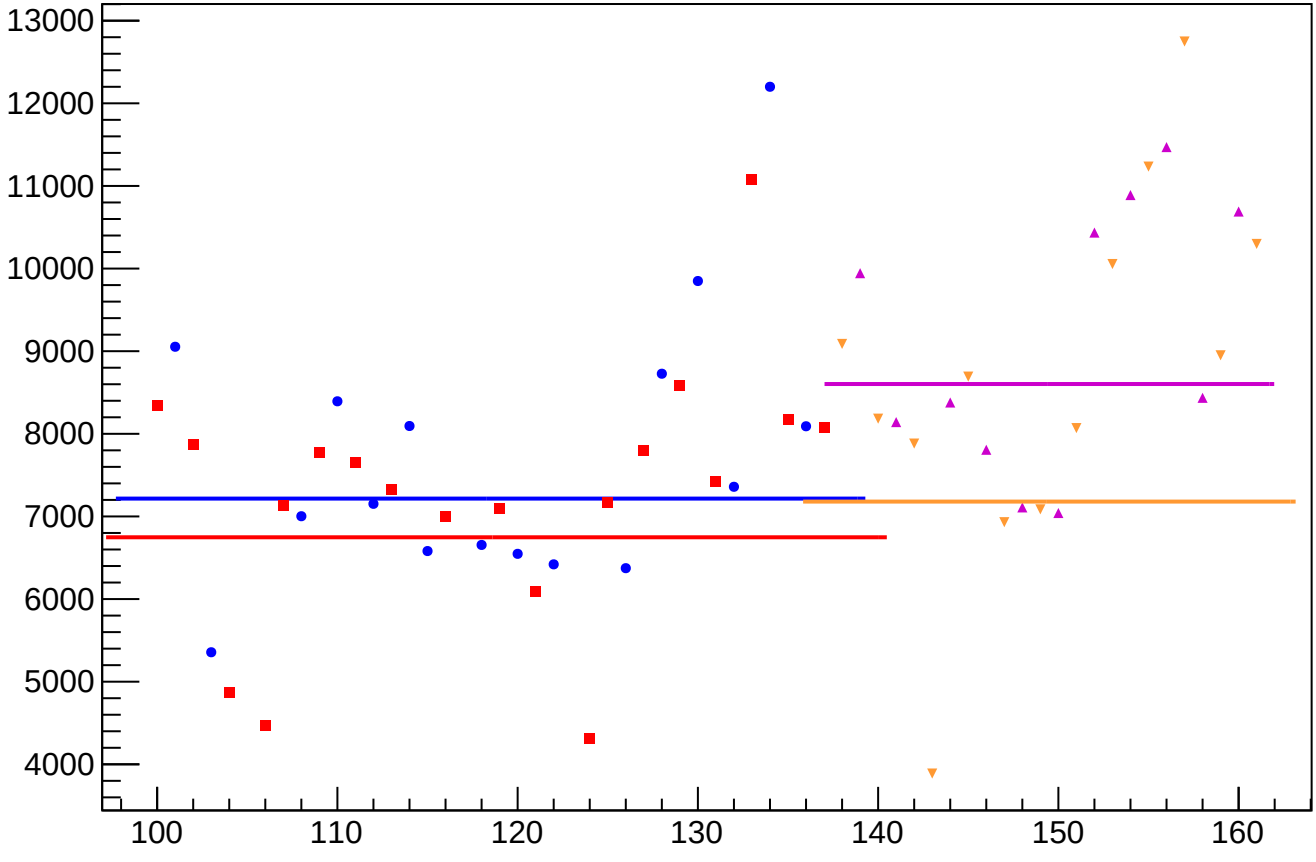
Left In: -2556.339+/-2829.731 χ^2/NDF:5.5/10

+ sign -921.244+/-1794.647 χ^2/NDF: 33.7/28

All: -828.311+/-1302.812 χ^2/NDF: 57.3/58

- sign -724.771+/-1894.297 χ^2/NDF: 23.6/29

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7179.810+/-1.679 χ^2/NDF:2202655.2/12

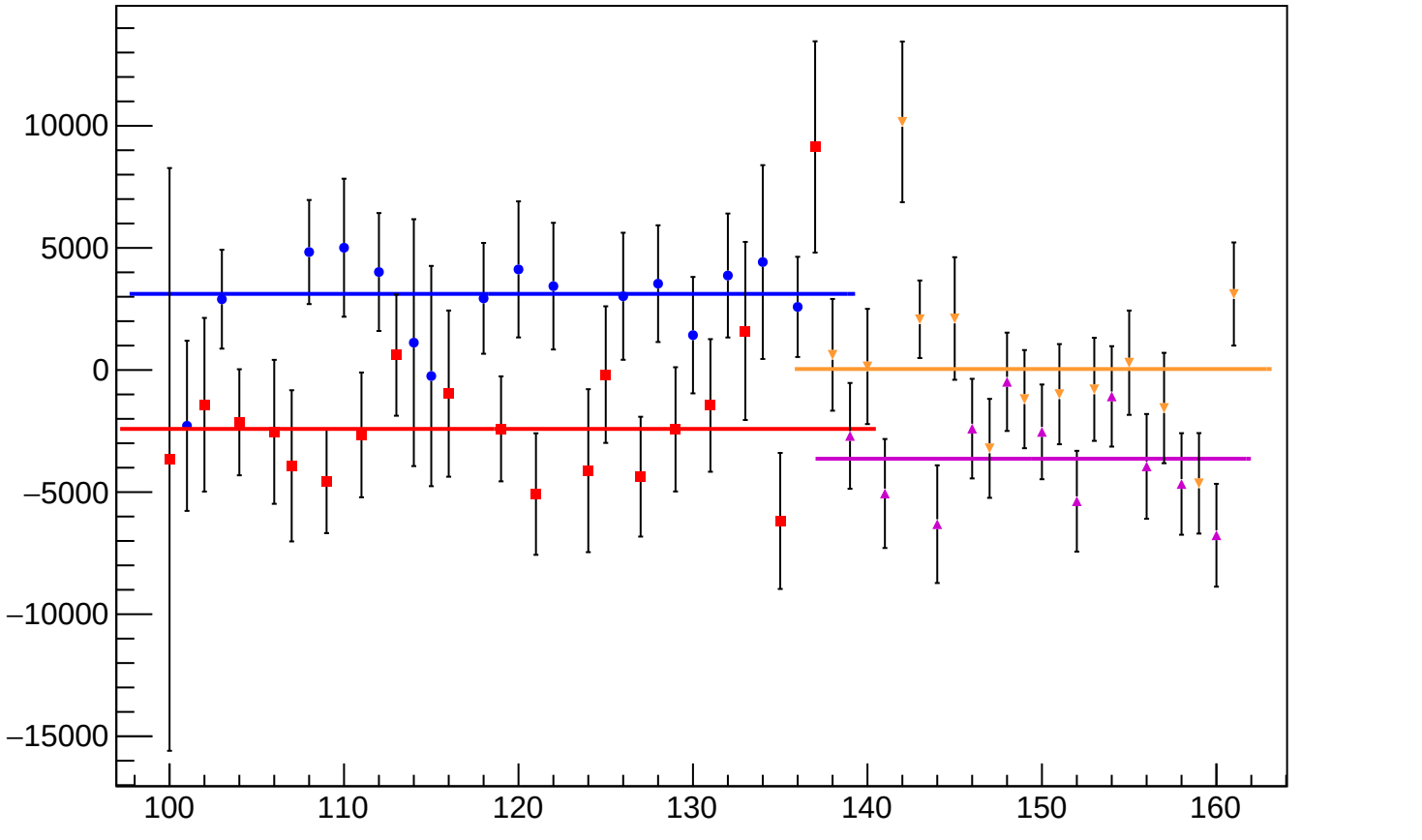
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8602.695+/-2.001 χ^2/NDF:514141.9/10

\+ sign 7195.348+/-1.269 χ^2/NDF: 2714981.1/28

All: 7376.819+/-0.921 χ^2/NDF: 4455438.9/58

\- sign 7579.003+/-1.339 χ^2/NDF: 1697224.5/29



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 40.759+/-592.611 χ^2/NDF:23.0/12

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

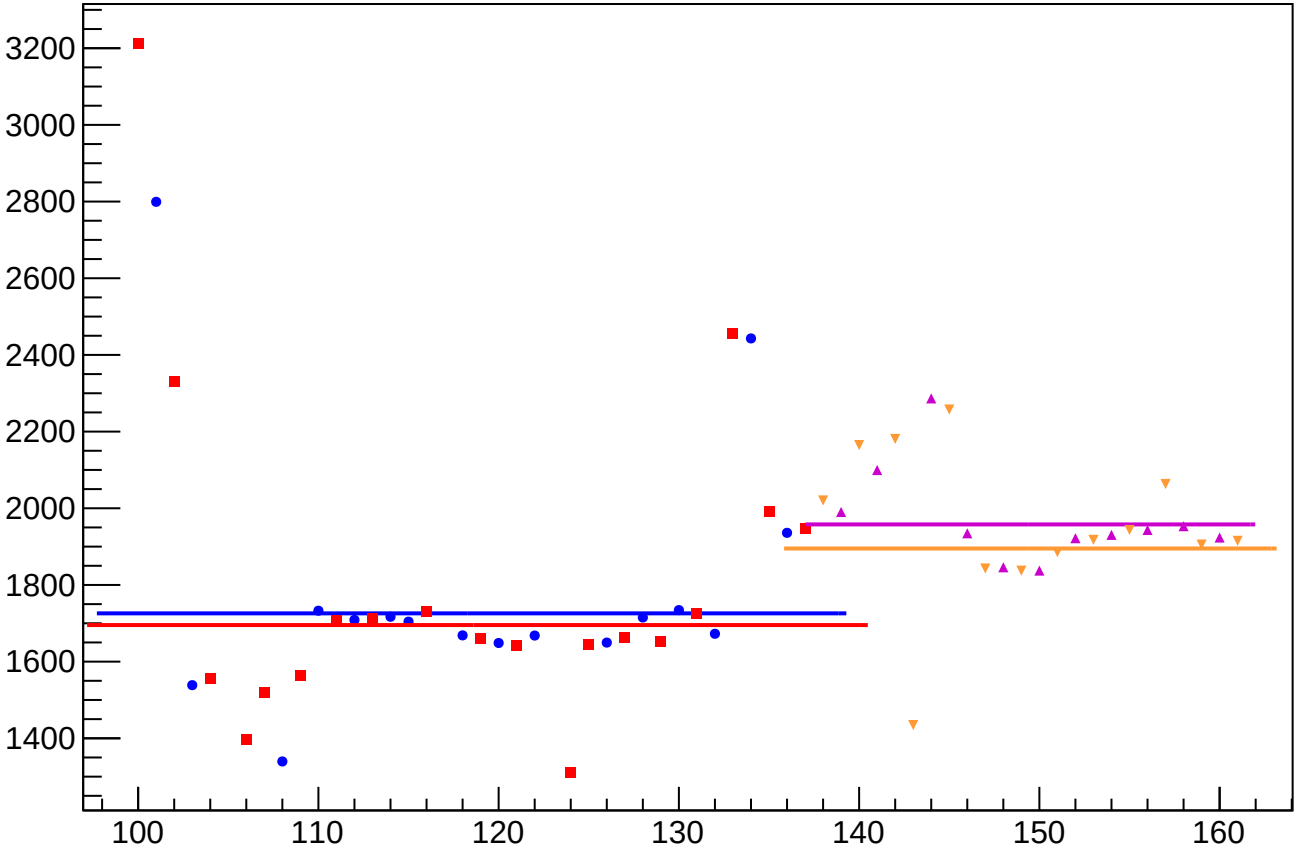
Left In: -3632.943+/-634.461 χ^2/NDF:9.7/10

+ sign 1434.885+/-438.267 χ^2/NDF: 40.5/28

All: -736.009+/-314.047 χ^2/NDF: 118.5/58

- sign -3027.075+/-450.234 χ^2/NDF: 27.5/29

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1895.079+/-0.419 χ^2/NDF:272750.4/12

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

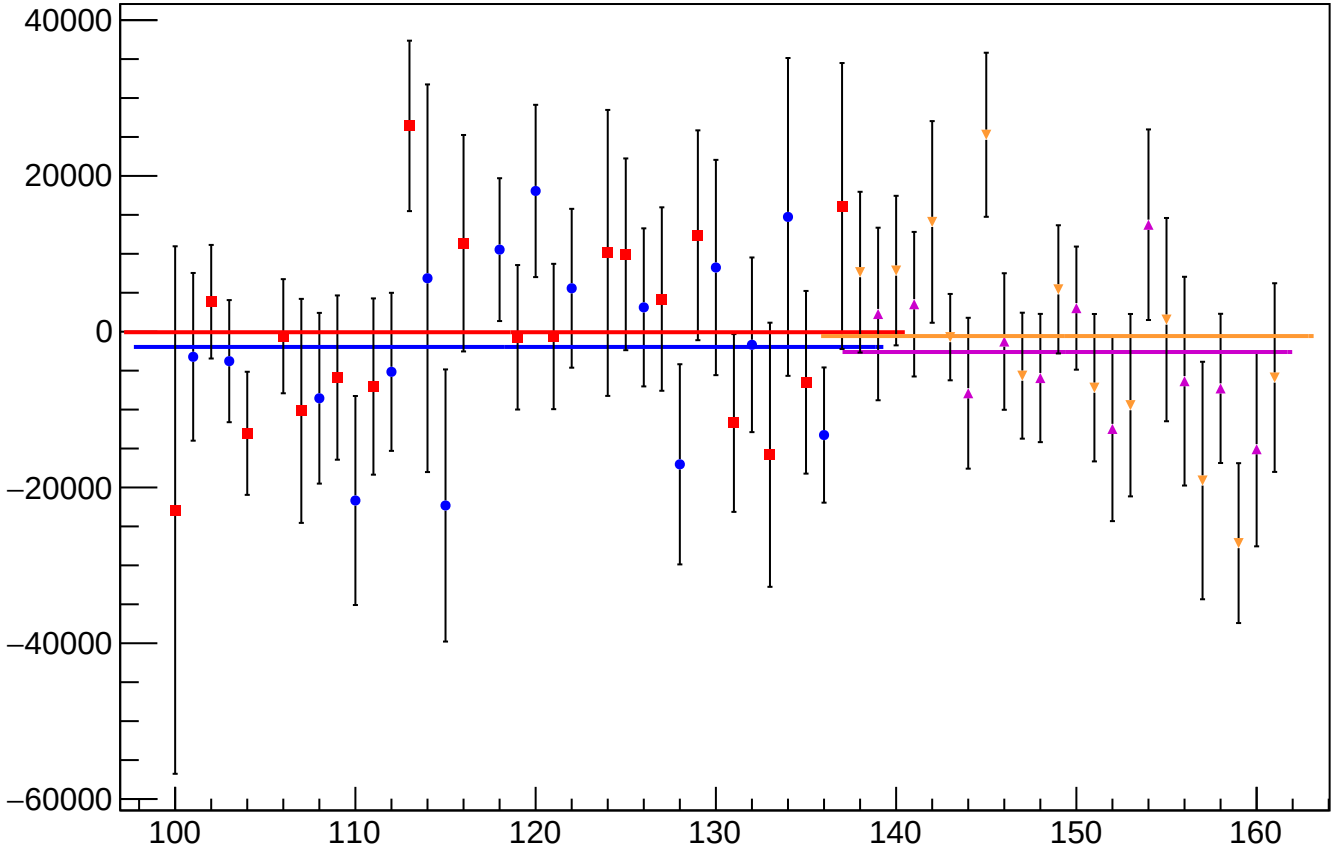
Left In: 1957.903+/-0.449 χ^2/NDF:61441.8/10

+ sign 1818.436+/-0.310 χ^2/NDF: 712228.7/28

All: 1822.864+/-0.222 χ^2/NDF: 1229749.7/58

- sign 1827.536+/-0.318 χ^2/NDF: 517101.4/29

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -560.859+/-2646.597 χ^2/NDF:19.1/12

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

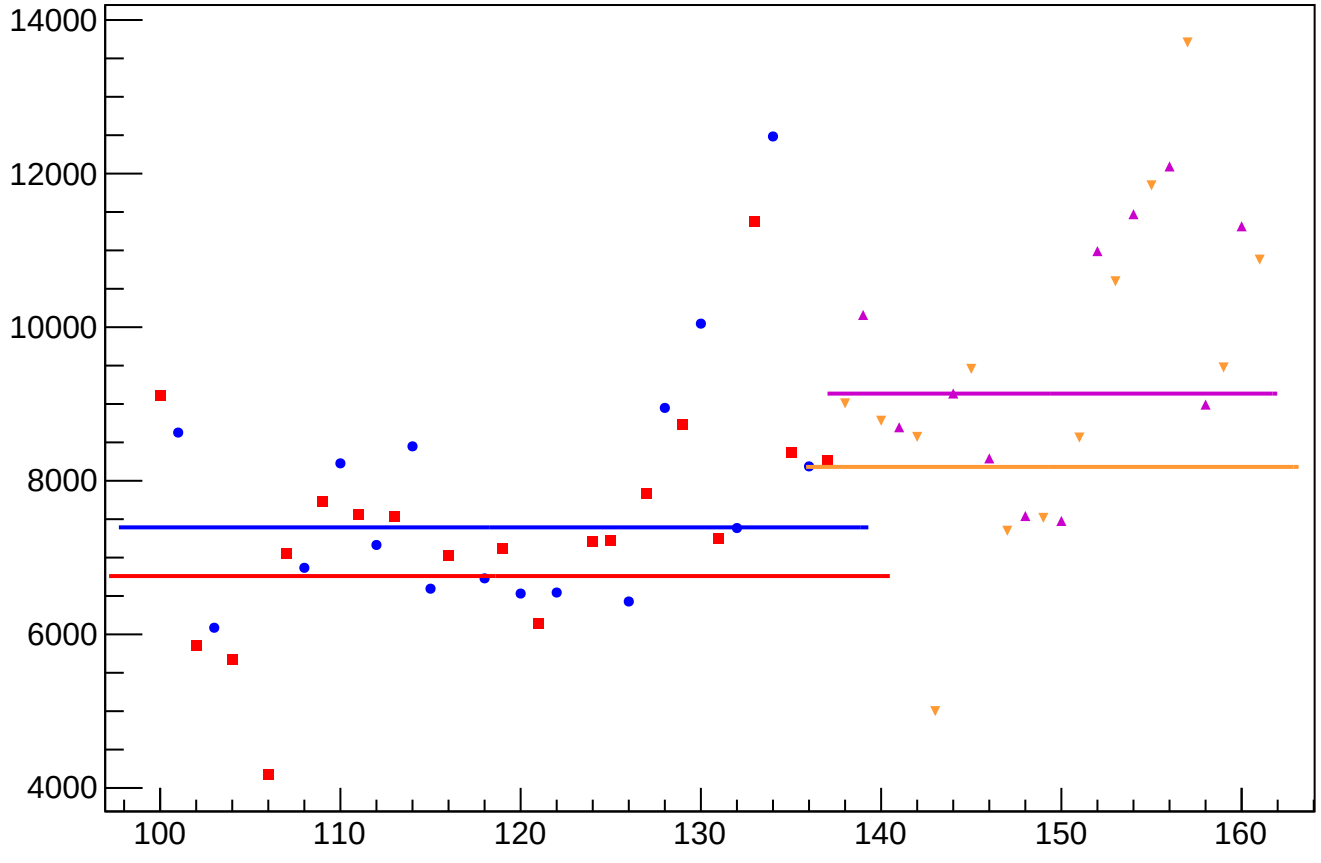
Left In: -2609.322+/-3002.783 χ^2/NDF:5.4/10

+ sign -1220.795+/-1922.824 χ^2/NDF: 33.6/28

All: -1172.164+/-1363.782 χ^2/NDF: 55.6/58

- sign -1122.937+/-1934.588 χ^2/NDF: 21.9/29

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8180.751+/-1.871 χ^2/NDF:1384497.0/12

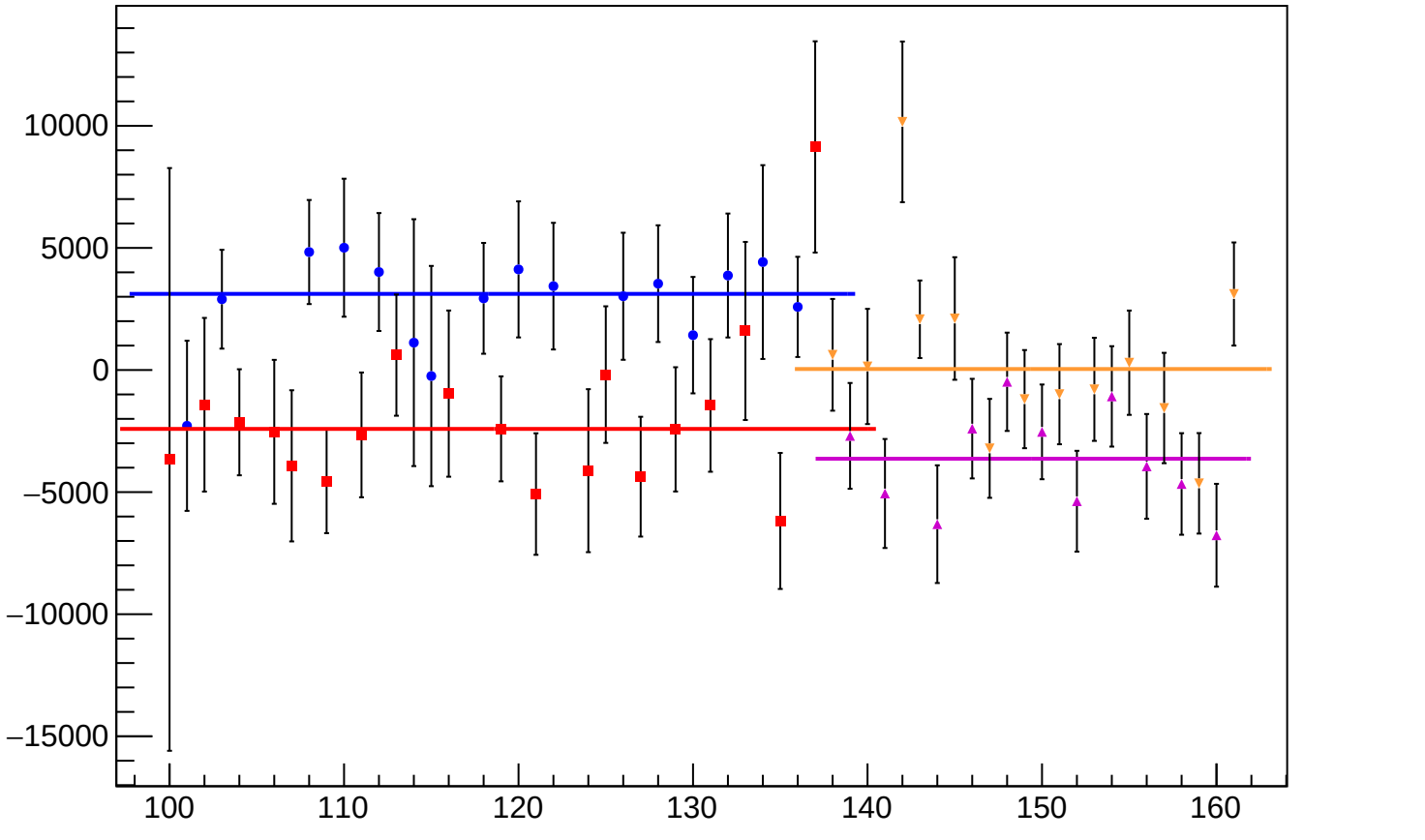
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9135.215+/-2.123 χ^2/NDF:484034.8/10

\+ sign 7809.101+/-1.360 χ^2/NDF: 1869851.9/28

All: 7777.526+/-0.964 χ^2/NDF: 3731573.8/58

\- sign 7745.563+/-1.368 χ^2/NDF: 1860636.6/29



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 40.746+/-592.612 χ^2/NDF:23.0/12

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

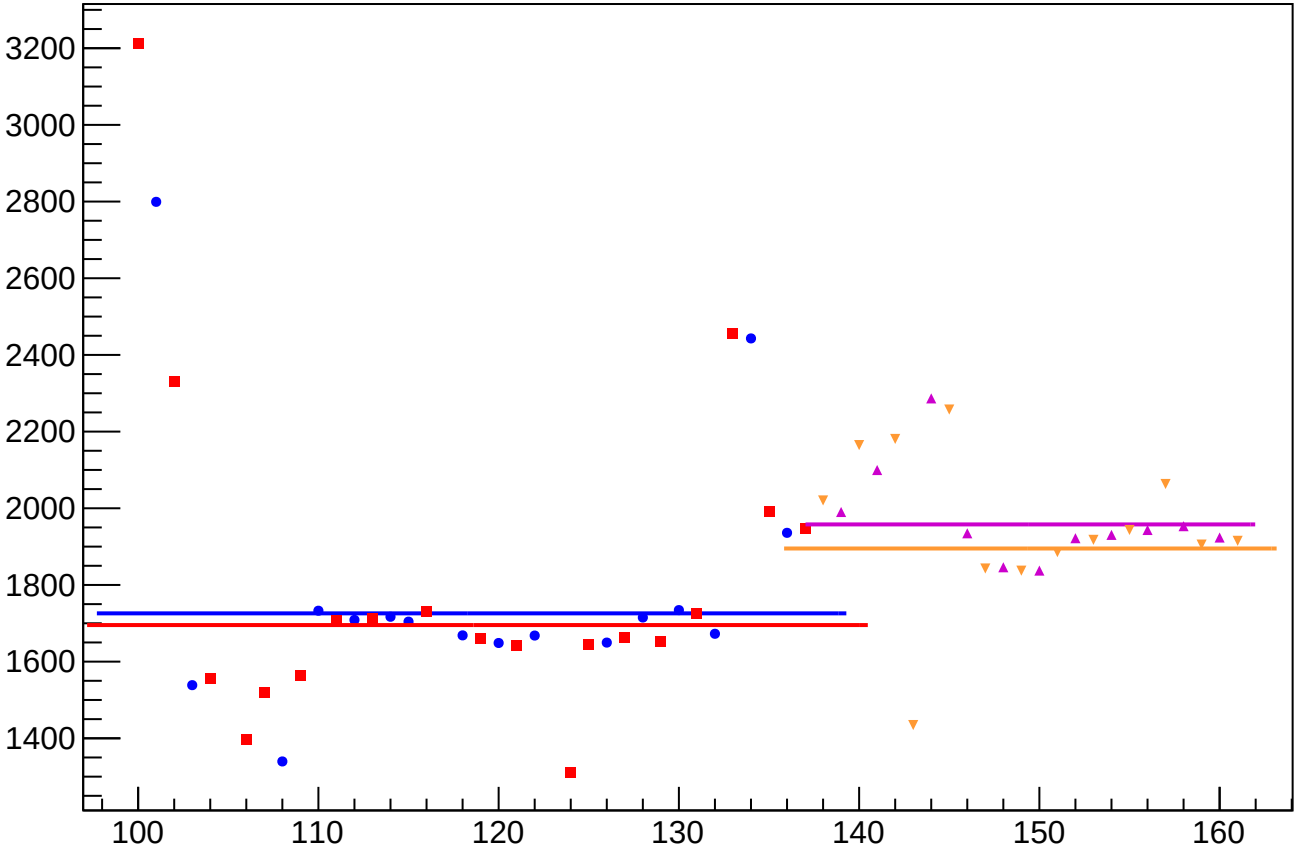
Left In: -3632.942+/-634.462 χ^2/NDF:9.7/10

+ sign 1434.883+/-438.268 χ^2/NDF: 40.5/28

All: -736.012+/-314.047 χ^2/NDF: 118.5/58

- sign -3027.078+/-450.234 χ^2/NDF: 27.5/29

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1895.083+/-0.419 χ^2/NDF:272751.4/12

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

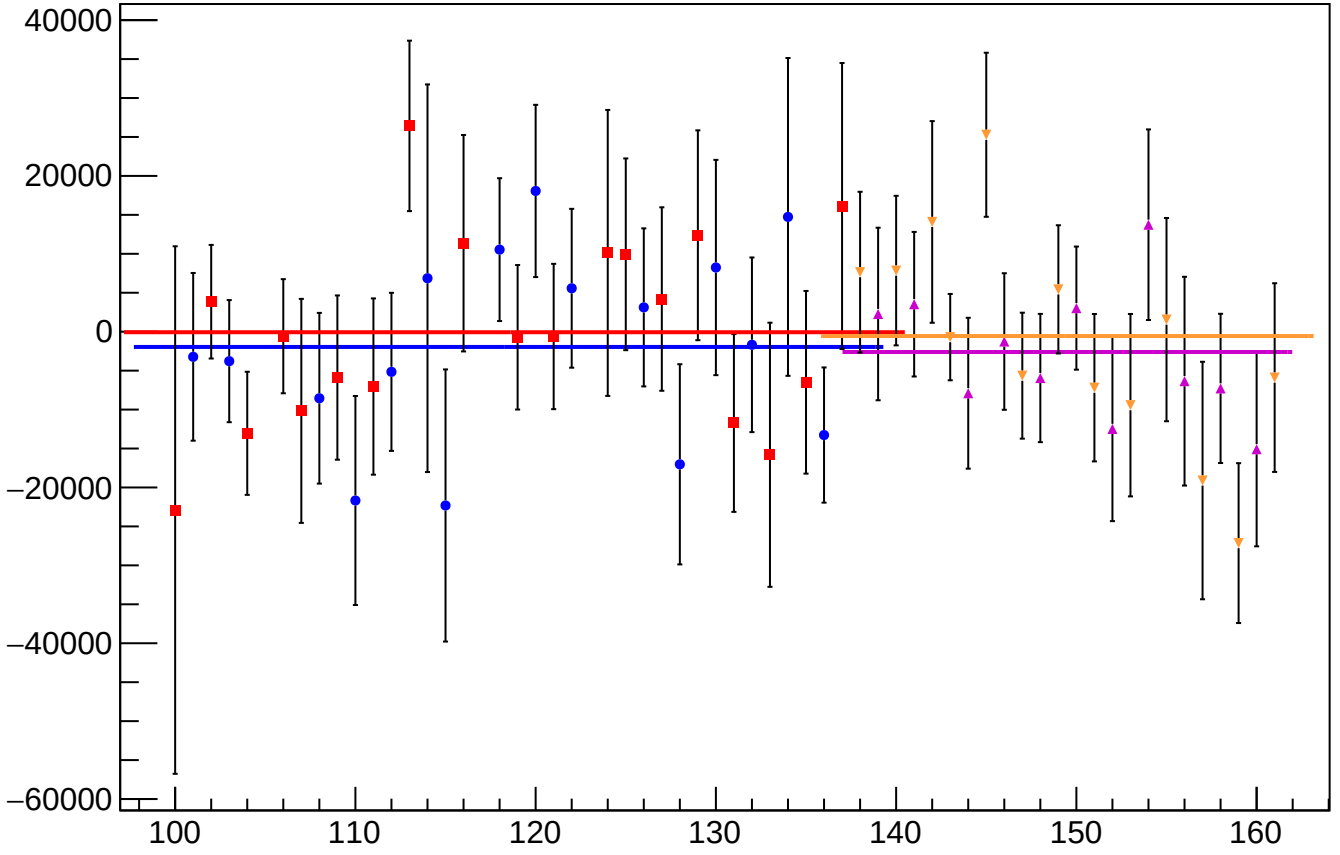
Left In: 1957.906+/-0.449 χ^2/NDF:61442.1/10

+ sign 1818.437+/-0.310 χ^2/NDF: 712232.7/28

All: 1822.865+/-0.222 χ^2/NDF: 1229758.5/58

- sign 1827.537+/-0.318 χ^2/NDF: 517106.2/29

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -560.868+/-2646.600 χ^2/NDF:19.1/12

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

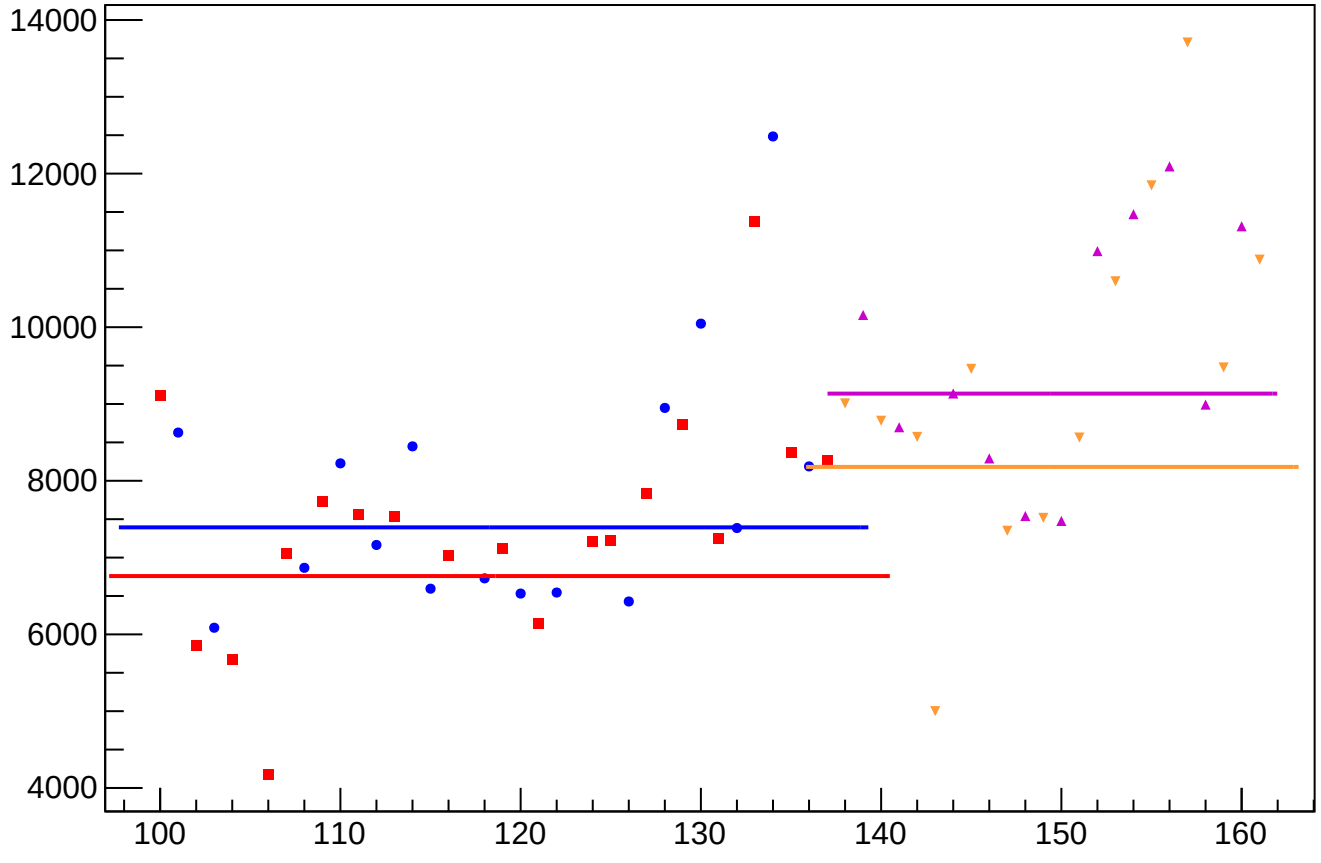
Left In: -2609.322+/-3002.787 χ^2/NDF:5.4/10

+ sign -1220.792+/-1922.823 χ^2/NDF: 33.6/28

All: -1172.163+/-1363.781 χ^2/NDF: 55.6/58

- sign -1122.936+/-1934.587 χ^2/NDF: 21.9/29

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8180.762+/-1.871 χ^2/NDF:1384495.9/12

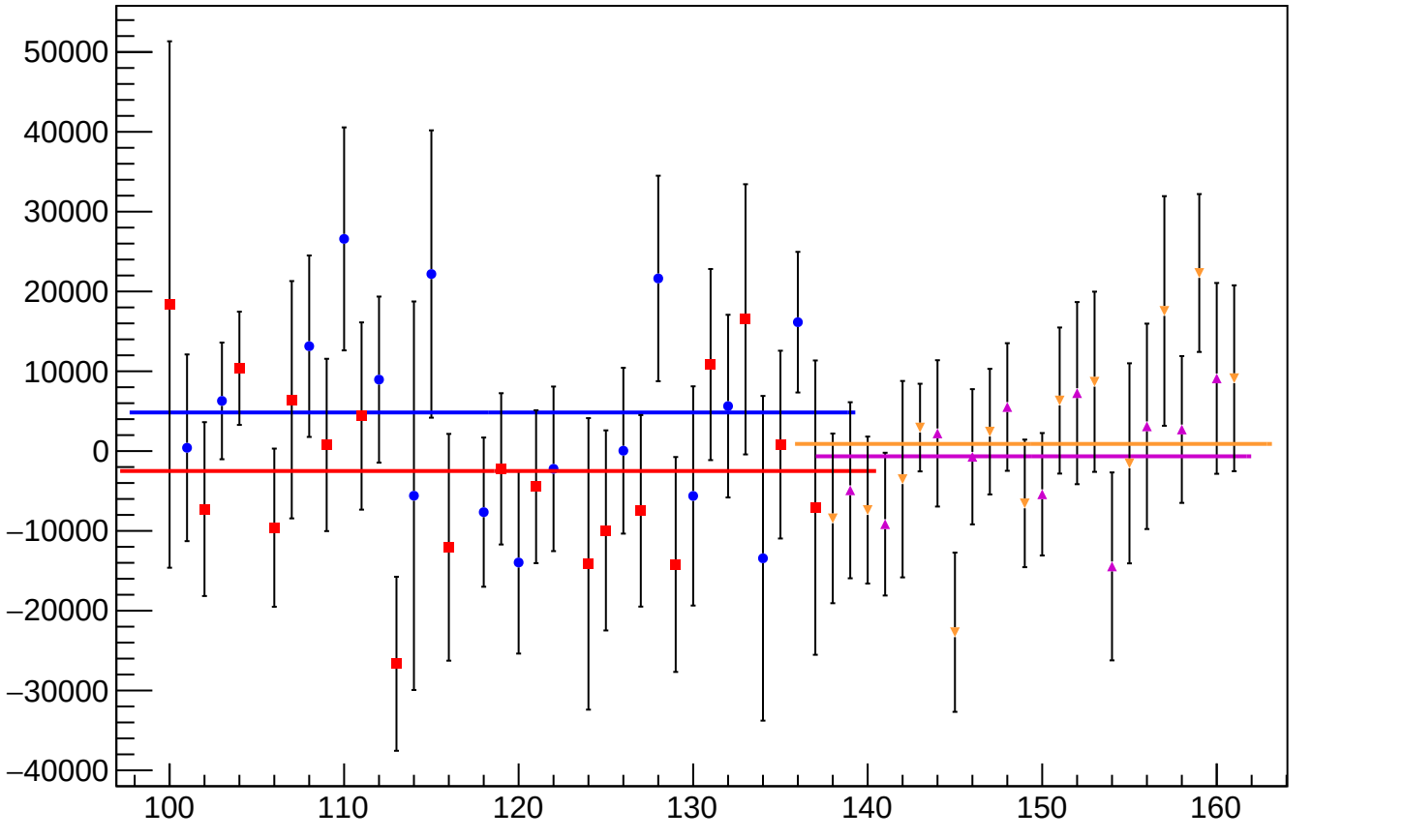
Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9135.226+/-2.123 χ^2/NDF:484035.1/10

+ sign 7809.098+/-1.360 χ^2/NDF: 1869859.5/28

All: 7777.520+/-0.964 χ^2/NDF: 3731596.9/58

- sign 7745.556+/-1.368 χ^2/NDF: 1860652.0/29



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 898.402+/-2574.743 χ^2/NDF:15.7/12

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

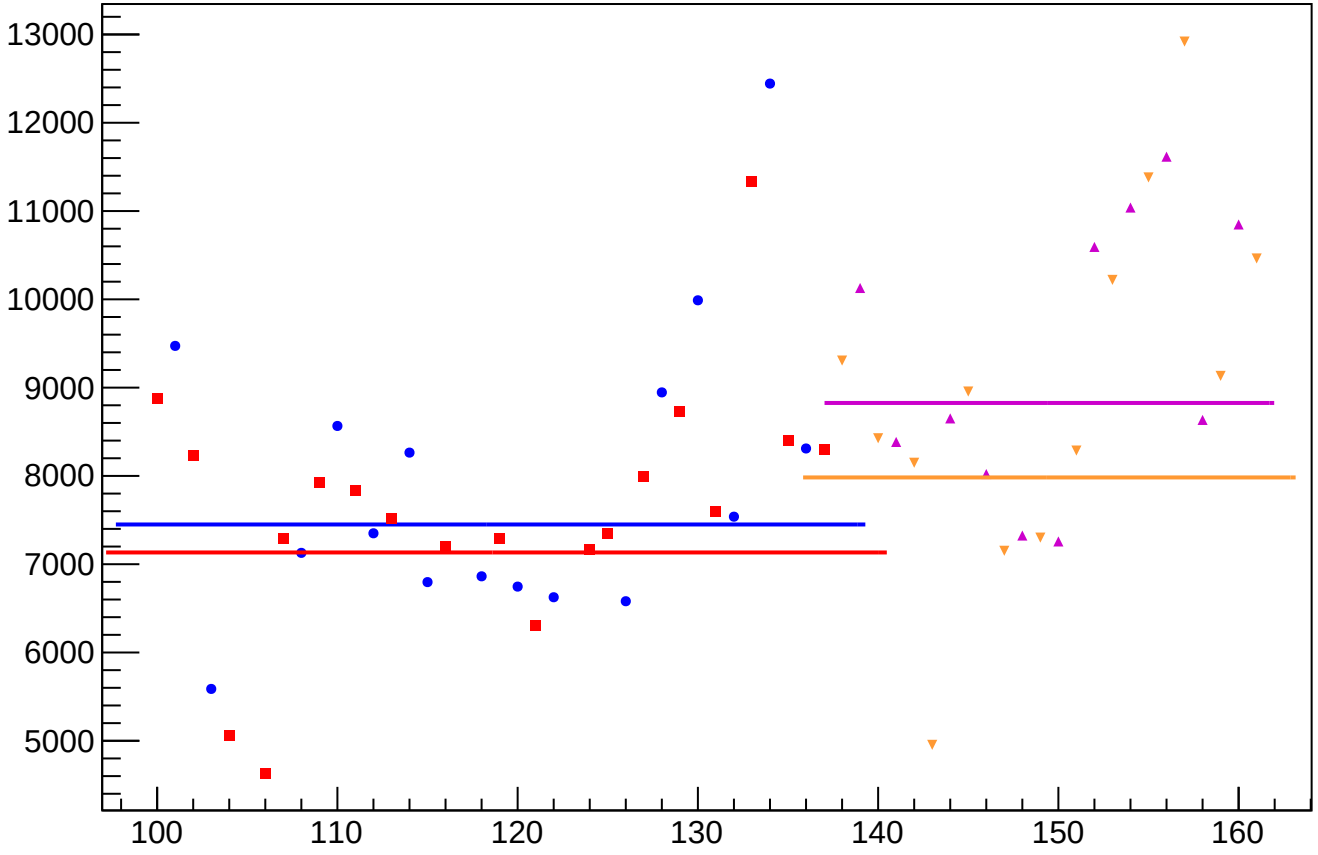
Left In: -654.575+/-2899.594 χ^2/NDF:4.9/10

+ sign 2683.220+/-1904.150 χ^2/NDF: 31.1/28

All: 598.607+/-1370.543 χ^2/NDF: 53.6/58

- sign -1642.275+/-1974.231 χ^2/NDF: 20.0/29

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 7982.810+/-1.821 χ^2/NDF:1281499.3/12

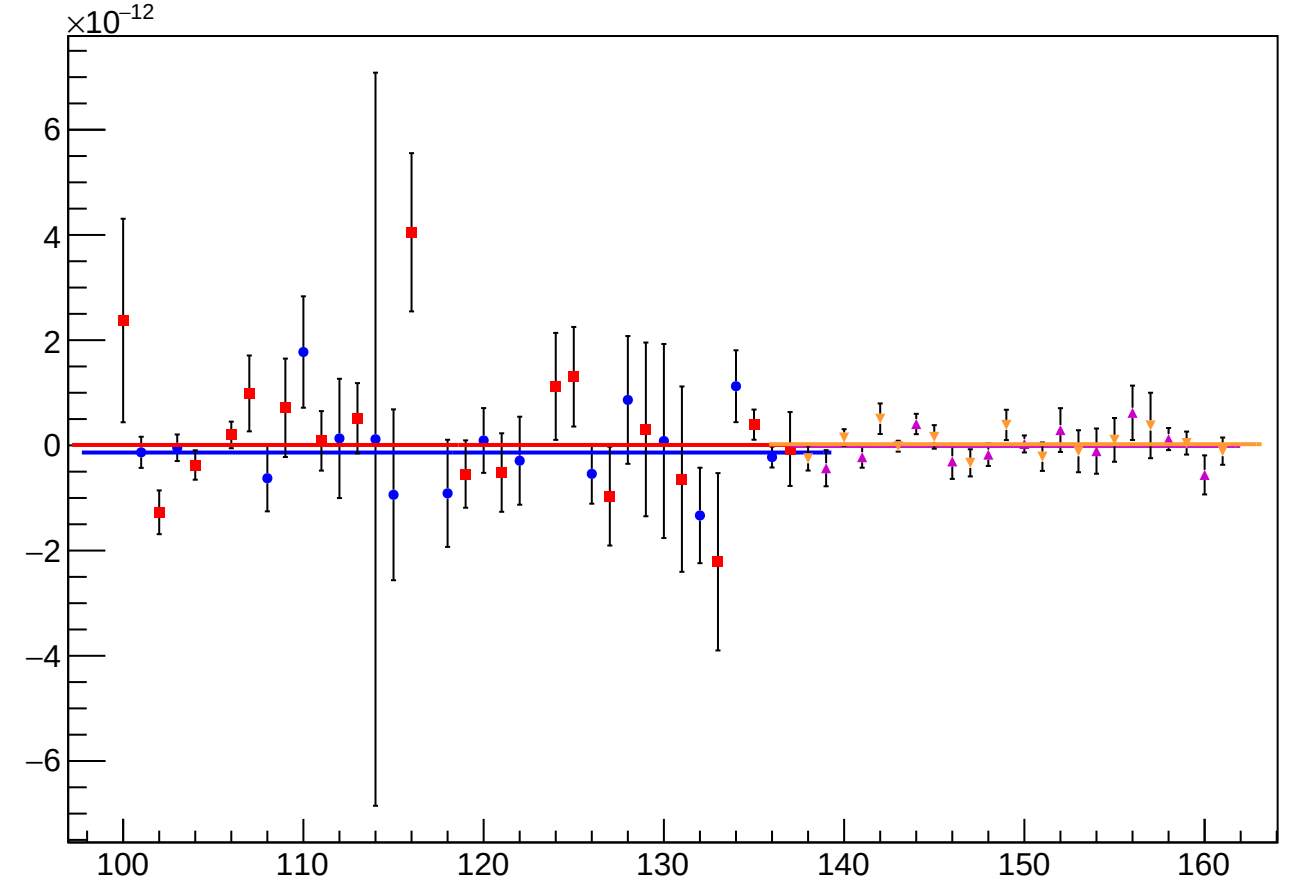
Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8826.374+/-2.050 χ^2/NDF:476385.9/10

+ sign 7741.403+/-1.346 χ^2/NDF: 1806732.8/28

All: 7826.520+/-0.969 χ^2/NDF: 3214283.4/58

- sign 7918.011+/-1.396 χ^2/NDF: 1399258.6/29



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/12

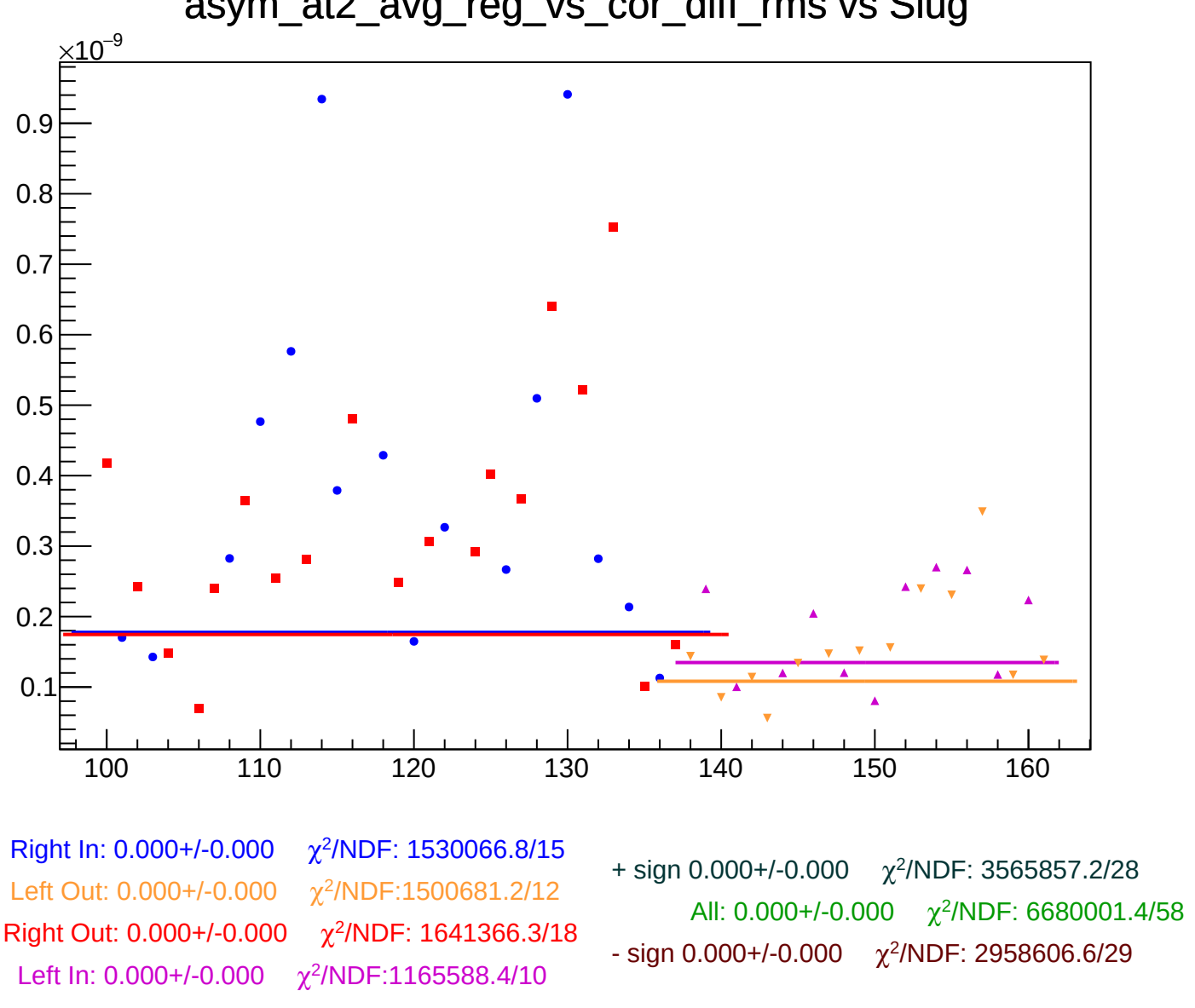
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/10

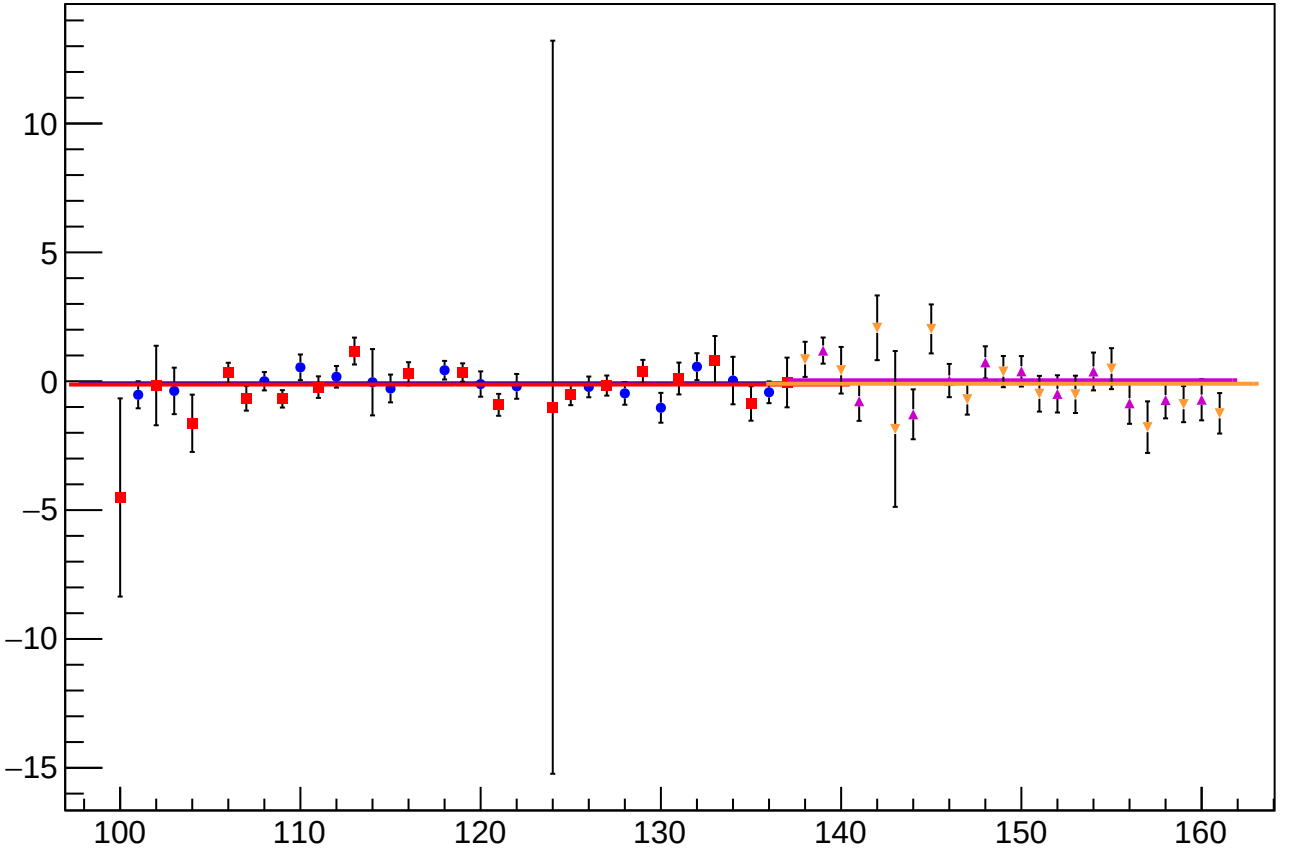
+ sign -0.000+/-0.000 χ^2/NDF: 23.2/28

All: -0.000+/-0.000 χ^2/NDF: 69.4/58

- sign -0.000+/-0.000 χ^2/NDF: 46.1/29


asym_at2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1530066.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1500681.2/12
Right Out: 0.000+/-0.000 χ²/NDF: 1641366.3/18
Left In: 0.000+/-0.000 χ²/NDF:1165588.4/10
+ sign 0.000+/-0.000 χ²/NDF: 3565857.2/28
All: 0.000+/-0.000 χ²/NDF: 6680001.4/58
- sign 0.000+/-0.000 χ²/NDF: 2958606.6/29

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.097+/-0.218 χ^2/NDF:19.6/12

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

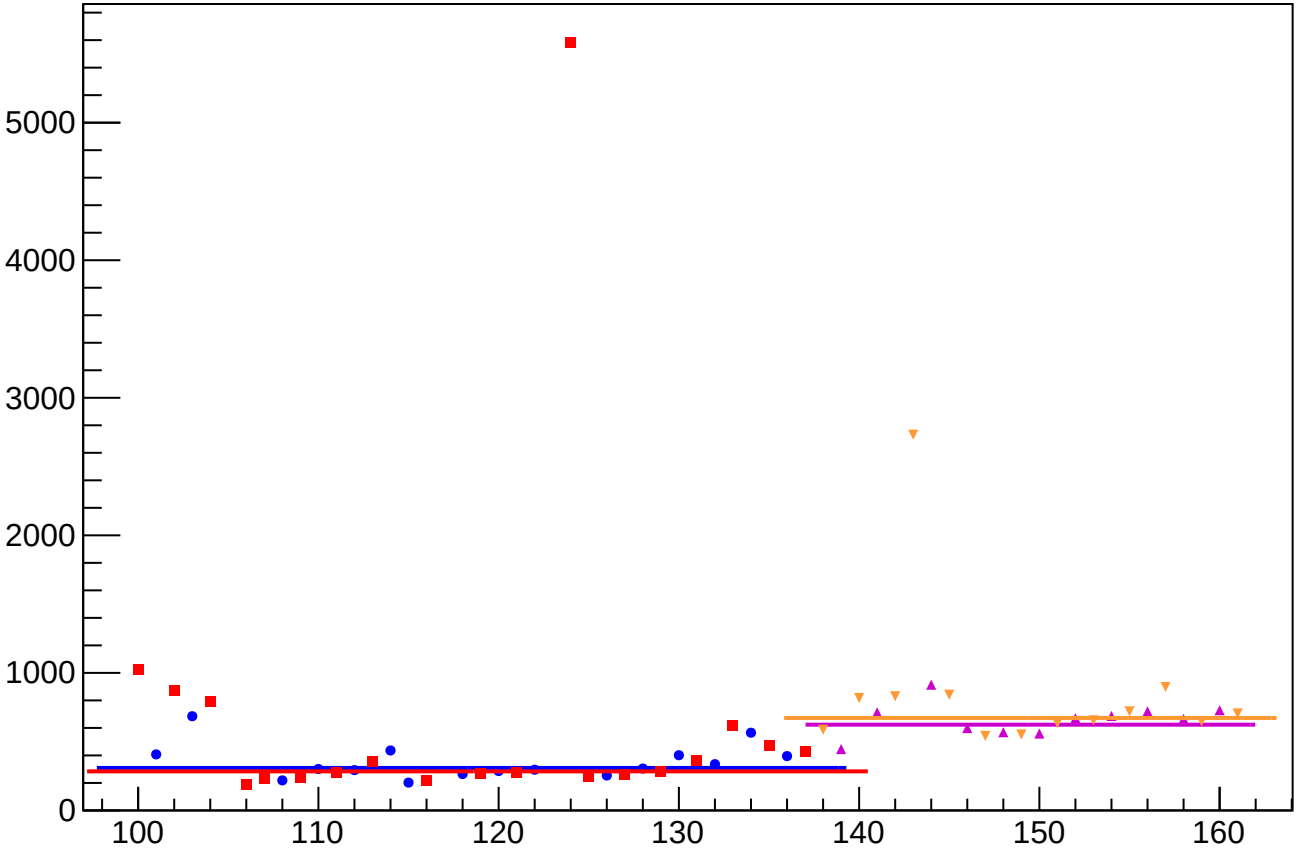
Left In: 0.037+/-0.207 χ^2/NDF:13.8/10

+ sign -0.084+/-0.106 χ^2/NDF: 30.4/28

All: -0.086+/-0.074 χ^2/NDF: 70.0/58

- sign -0.088+/-0.102 χ^2/NDF: 39.5/29

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 672.464+/-0.154 χ^2/NDF:1402846.3/12

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

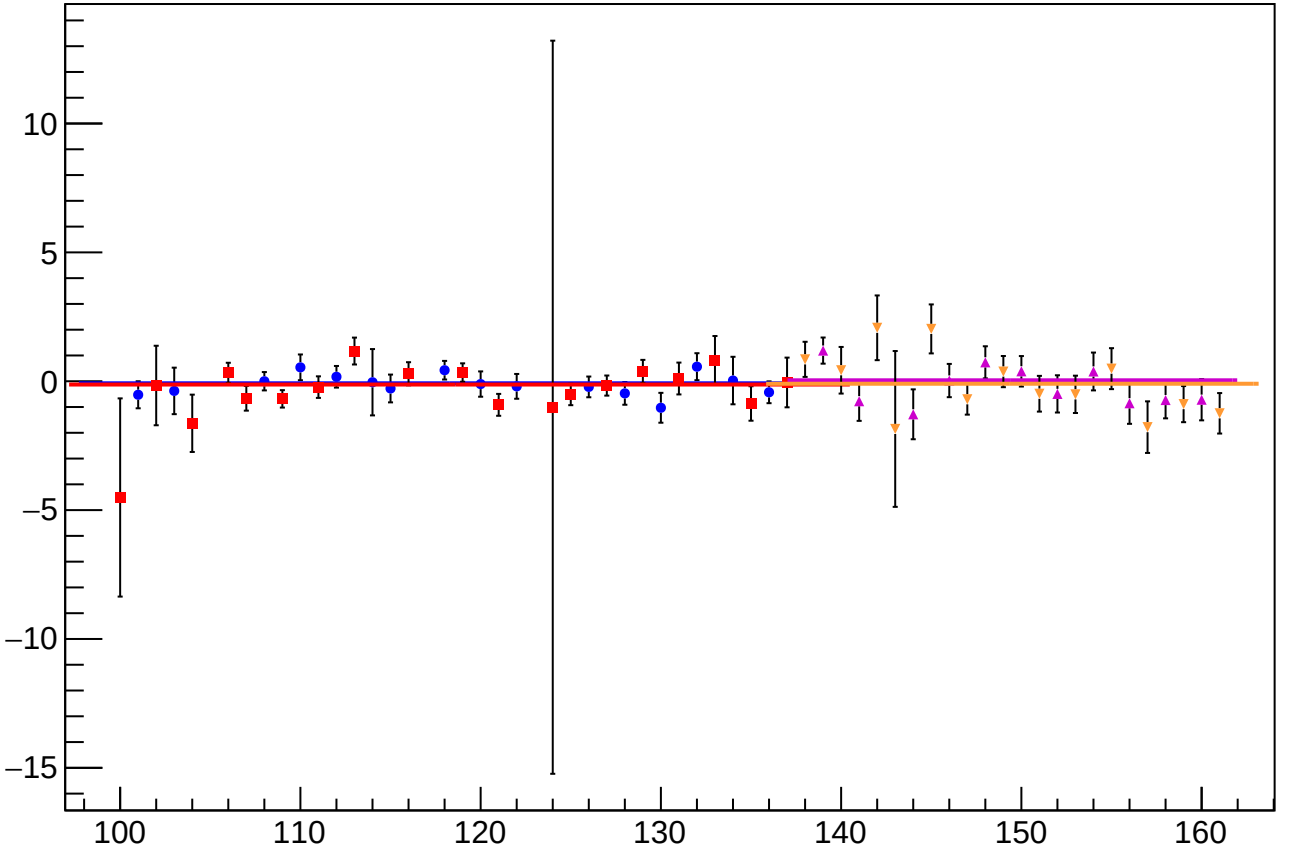
Left In: 623.494+/-0.146 χ^2/NDF:588585.2/10

+ sign 395.475+/-0.075 χ^2/NDF: 6644485.1/28

All: 380.284+/-0.052 χ^2/NDF: 13248619.4/58

- sign 366.386+/-0.072 χ^2/NDF: 6526065.9/29

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.097+/-0.218 χ^2/NDF:19.6/12

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

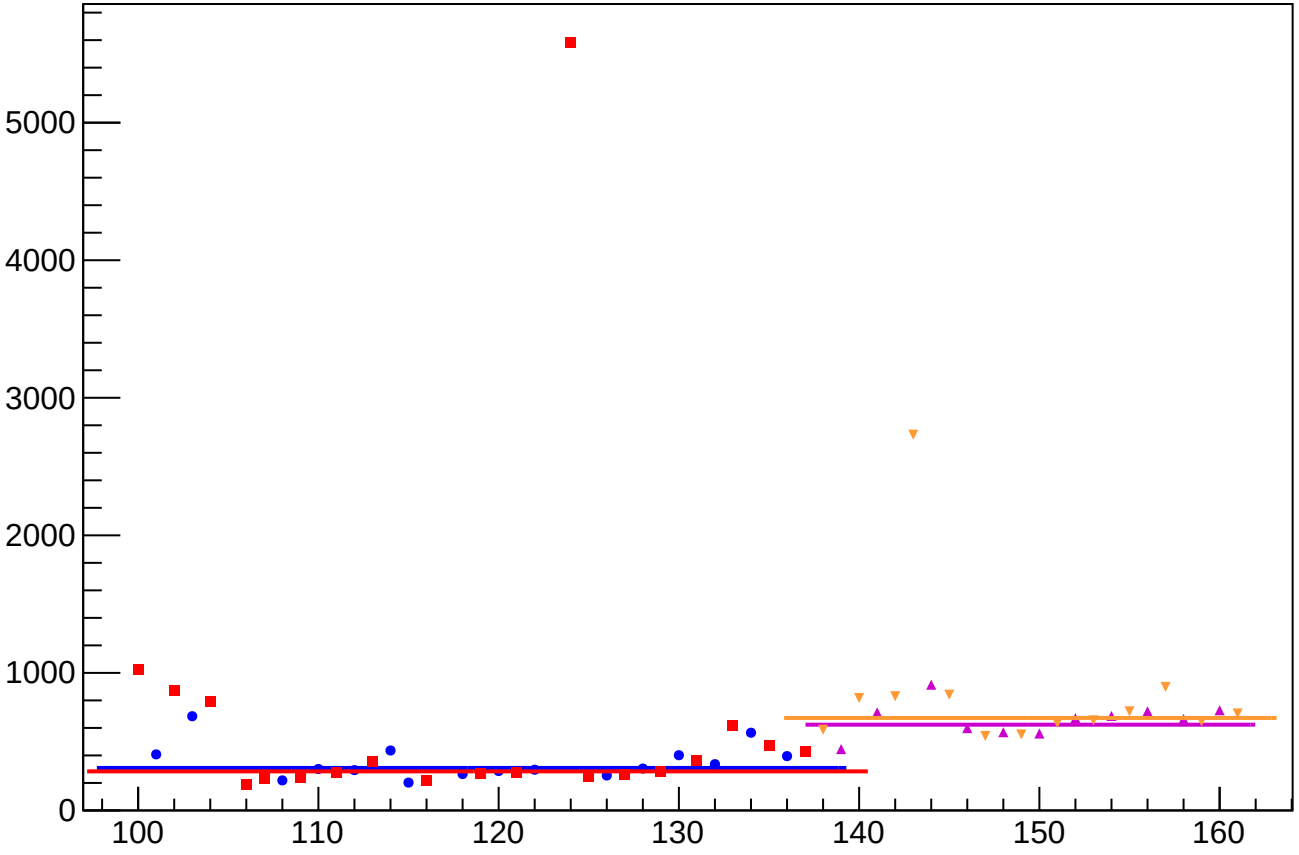
Left In: 0.037+/-0.207 χ^2/NDF:13.8/10

+ sign -0.084+/-0.106 χ^2/NDF: 30.4/28

All: -0.086+/-0.074 χ^2/NDF: 70.0/58

- sign -0.088+/-0.102 χ^2/NDF: 39.5/29

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: 672.464+/-0.154 χ^2/NDF:1402846.3/12

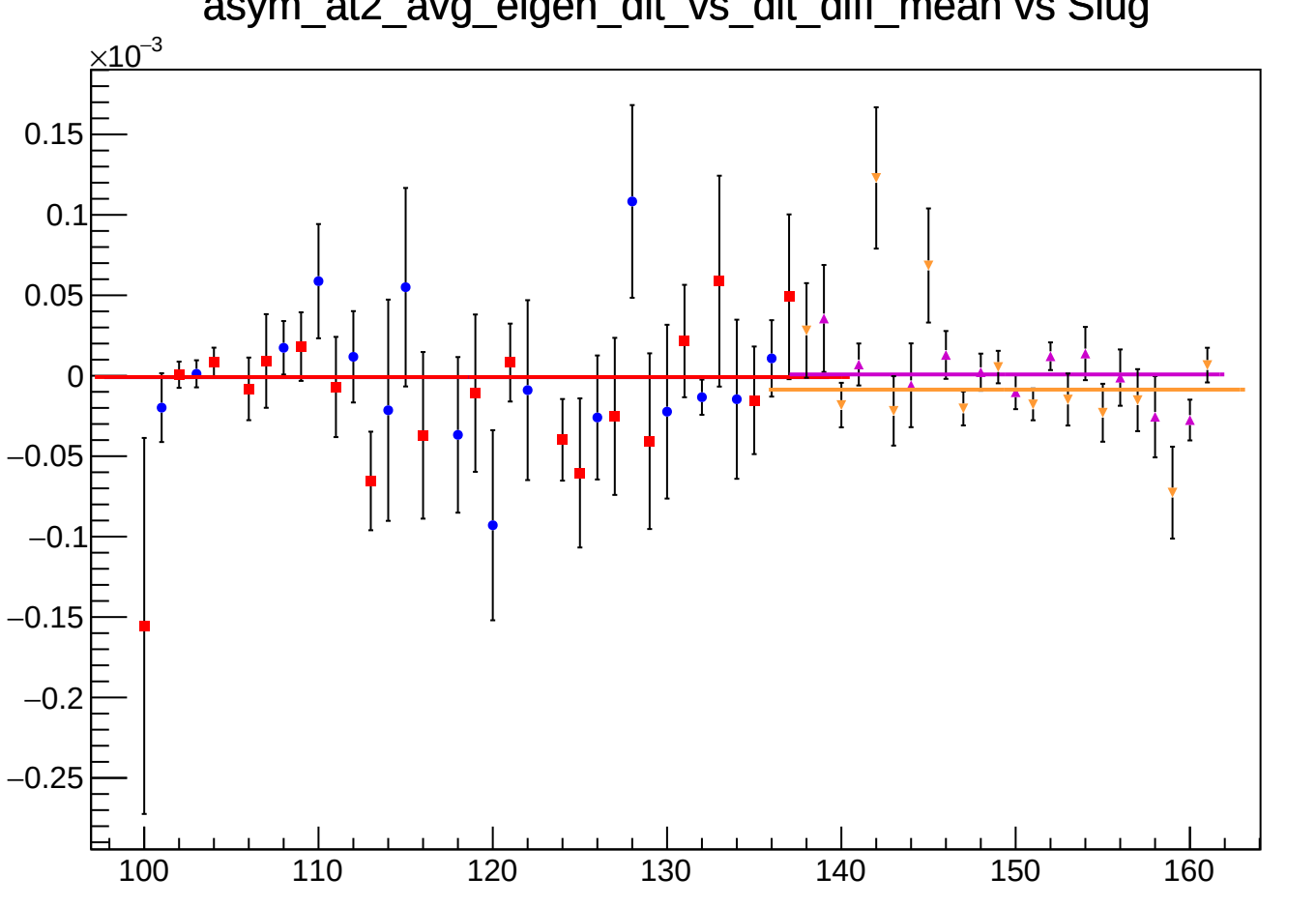
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 623.494+/-0.146 χ^2/NDF:588585.2/10

+ sign 395.475+/-0.075 χ^2/NDF: 6644485.1/28

All: 380.284+/-0.052 χ^2/NDF: 13248619.4/58

- sign 366.386+/-0.072 χ^2/NDF: 6526065.9/29



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.1/12

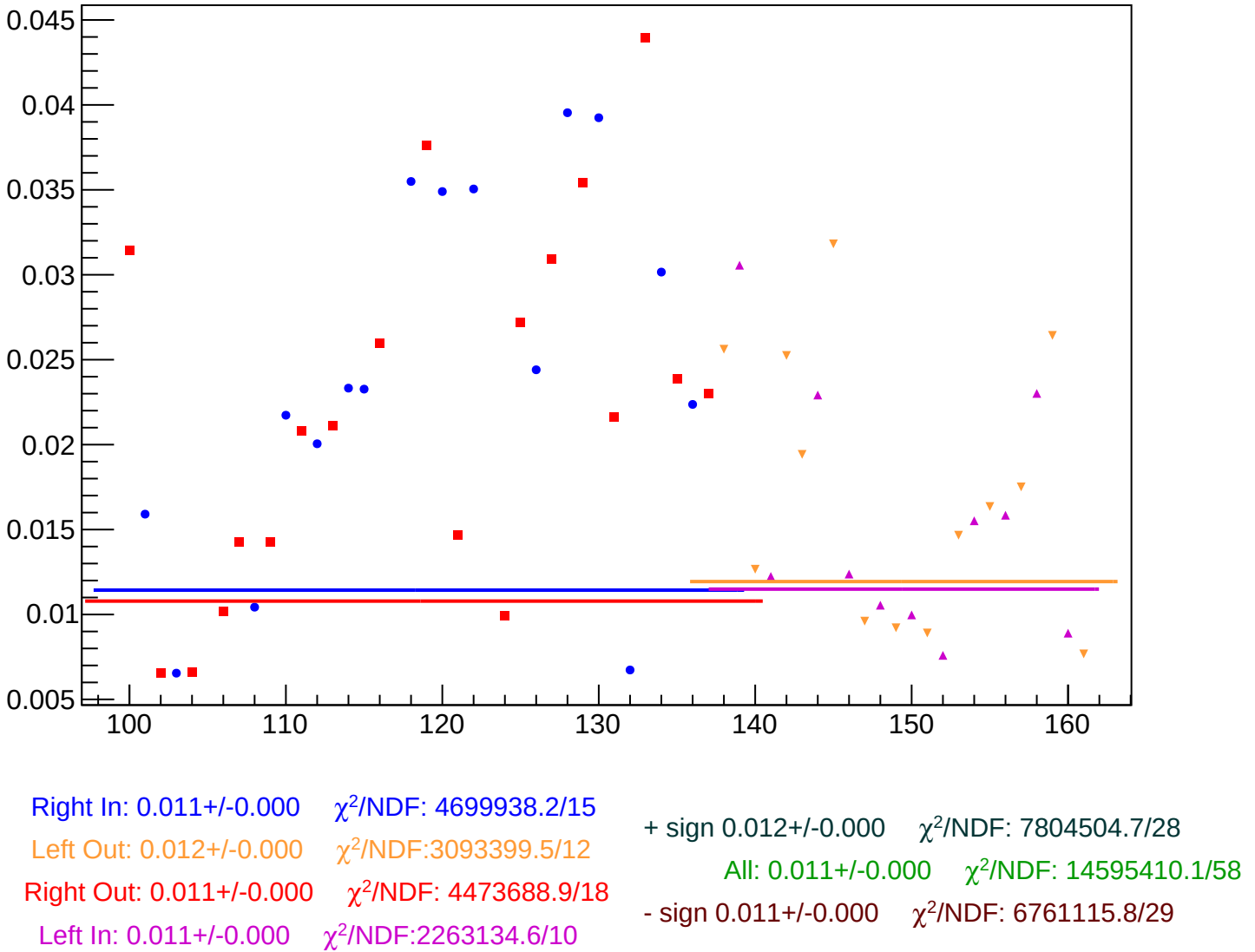
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:11.6/10

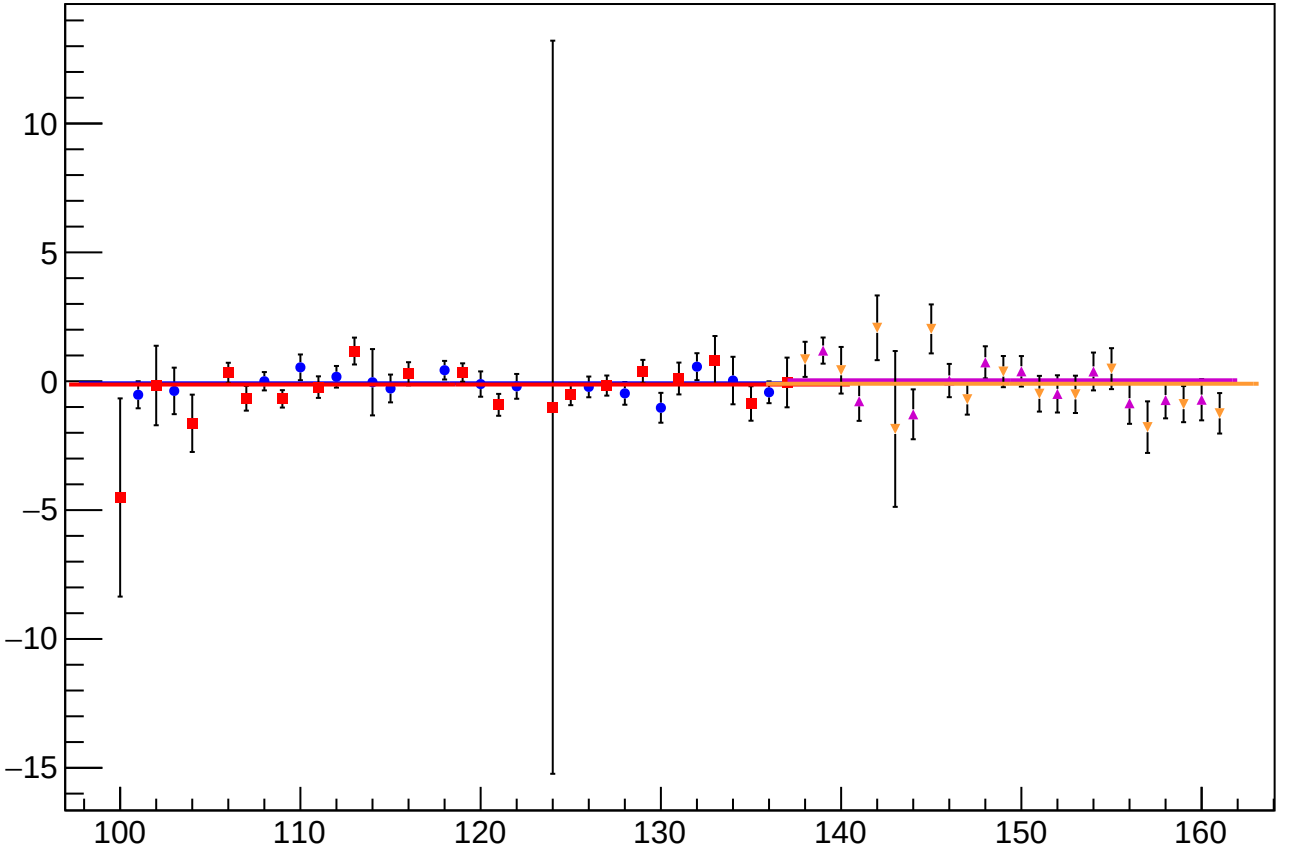
+ sign -0.000+/-0.000 χ^2/NDF: 43.9/28

All: -0.000+/-0.000 χ^2/NDF: 73.3/58

- sign 0.000+/-0.000 χ^2/NDF: 27.8/29


asym_at2_avg_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
Right In: 0.011+/-0.000 χ²/NDF: 4699938.2/15
Left Out: 0.012+/-0.000 χ²/NDF:3093399.5/12
Right Out: 0.011+/-0.000 χ²/NDF: 4473688.9/18
Left In: 0.011+/-0.000 χ²/NDF:2263134.6/10
+ sign 0.012+/-0.000 χ²/NDF: 7804504.7/28
All: 0.011+/-0.000 χ²/NDF: 14595410.1/58
- sign 0.011+/-0.000 χ²/NDF: 6761115.8/29

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: -0.097+/-0.218 χ^2/NDF:19.6/12

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

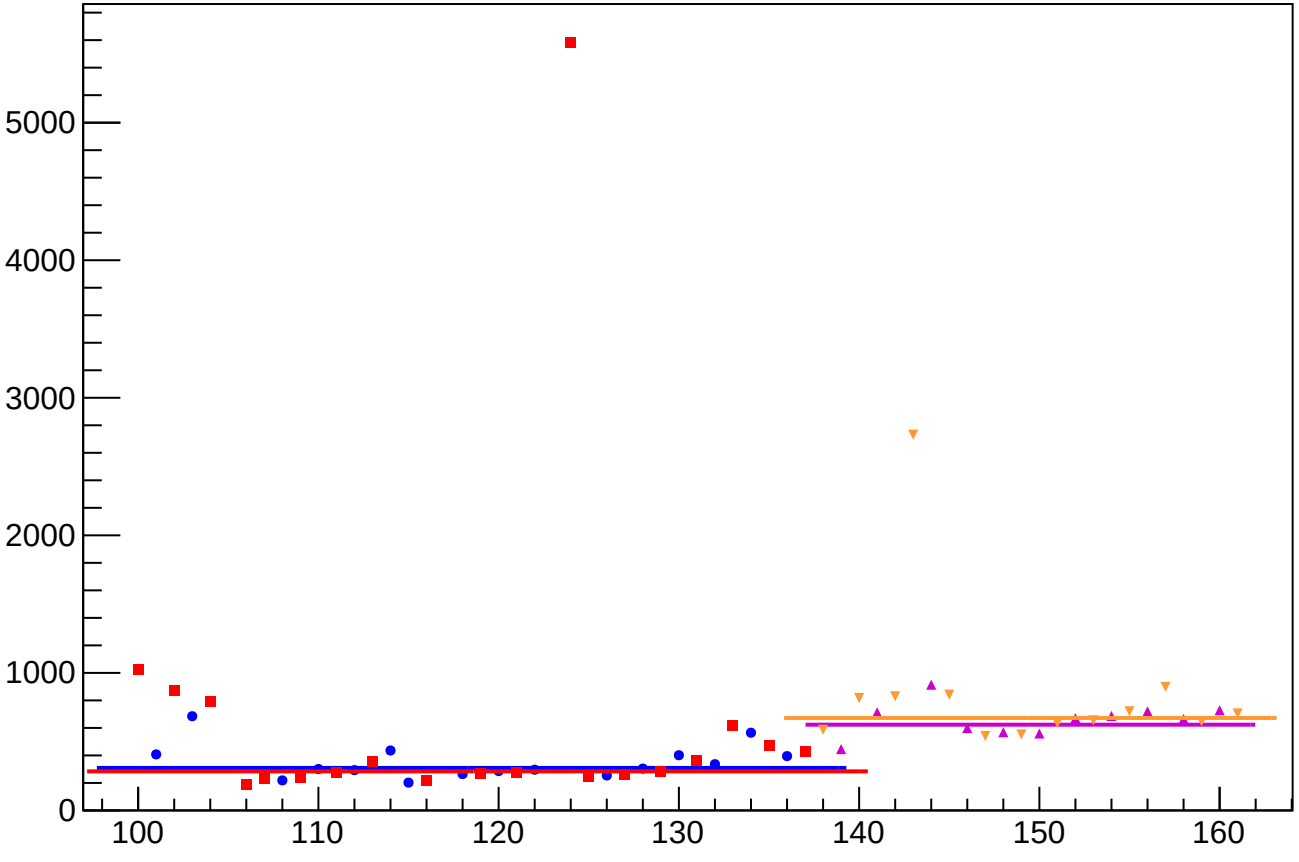
Left In: 0.037+/-0.207 χ^2/NDF:13.8/10

+ sign -0.084+/-0.106 χ^2/NDF: 30.4/28

All: -0.086+/-0.074 χ^2/NDF: 70.0/58

- sign -0.088+/-0.102 χ^2/NDF: 39.5/29

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: 672.472+/-0.154 χ^2/NDF:1402849.1/12

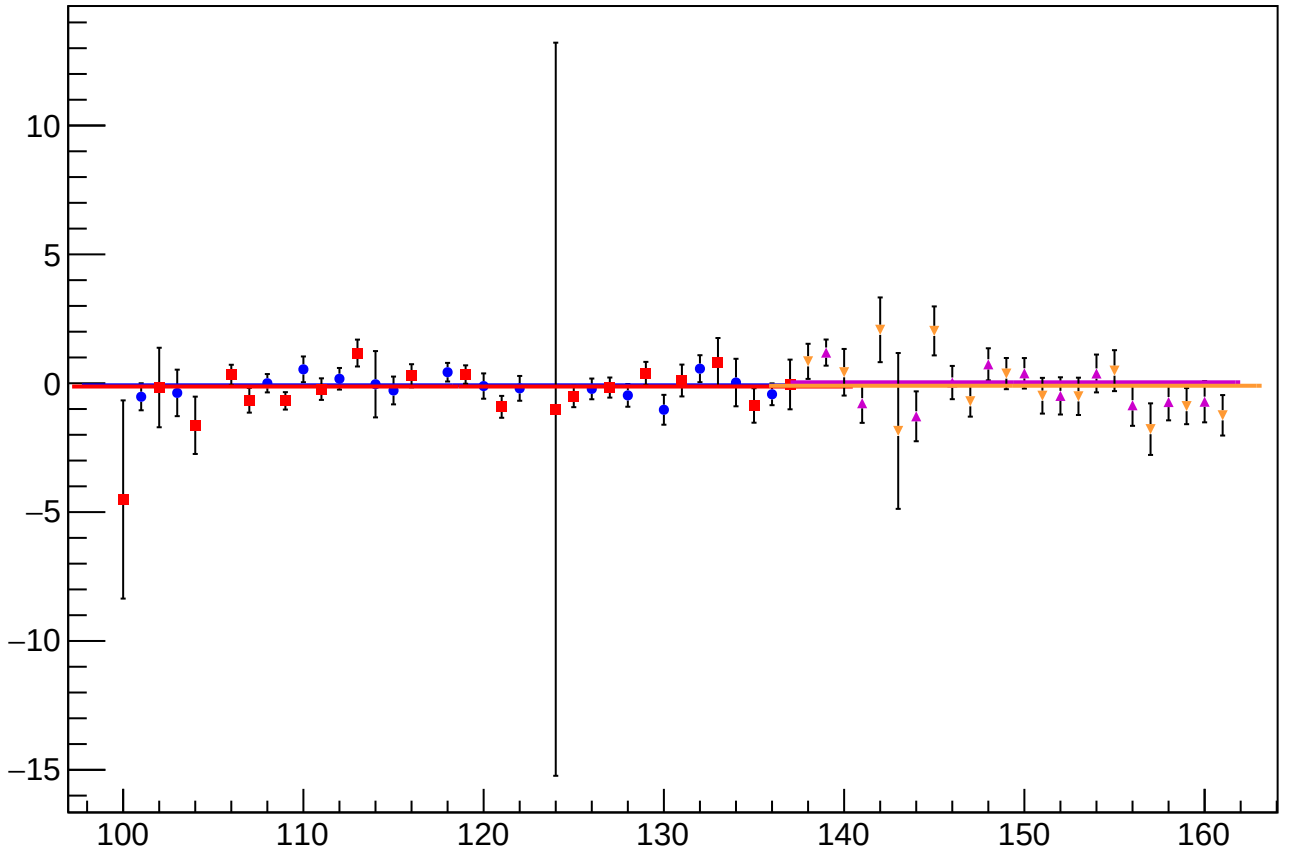
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 623.503+/-0.146 χ^2/NDF:588567.9/10

+ sign 395.474+/-0.075 χ^2/NDF: 6644590.7/28

All: 380.283+/-0.052 χ^2/NDF: 13248837.2/58

- sign 366.386+/-0.072 χ^2/NDF: 6526179.5/29



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.097+/-0.218 χ^2/NDF:19.6/12

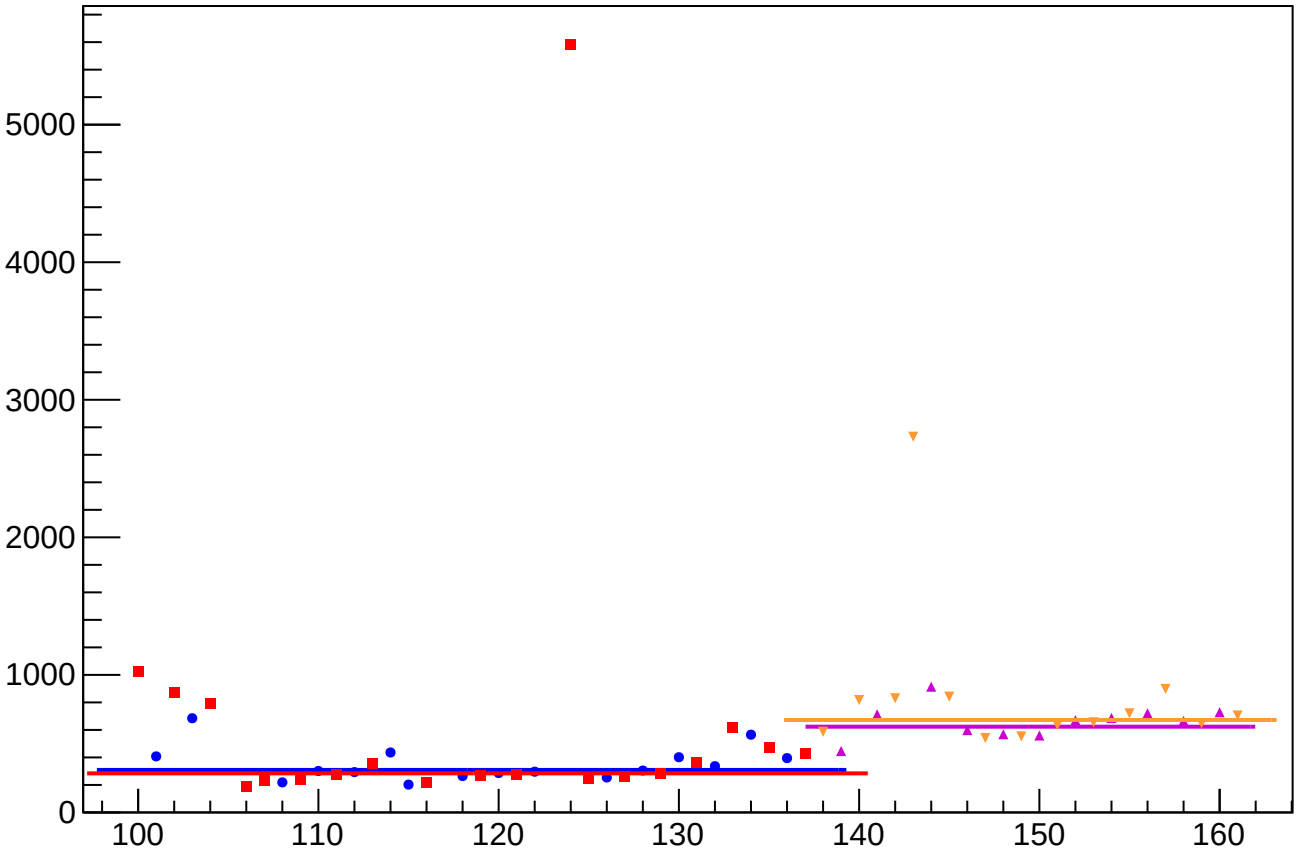
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.037+/-0.207 χ^2/NDF:13.8/10

+ sign -0.084+/-0.106 χ^2/NDF: 30.4/28

All: -0.086+/-0.074 χ^2/NDF: 70.0/58

- sign -0.088+/-0.102 χ^2/NDF: 39.5/29



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 672.472+/-0.154 χ^2/NDF:1402849.1/12

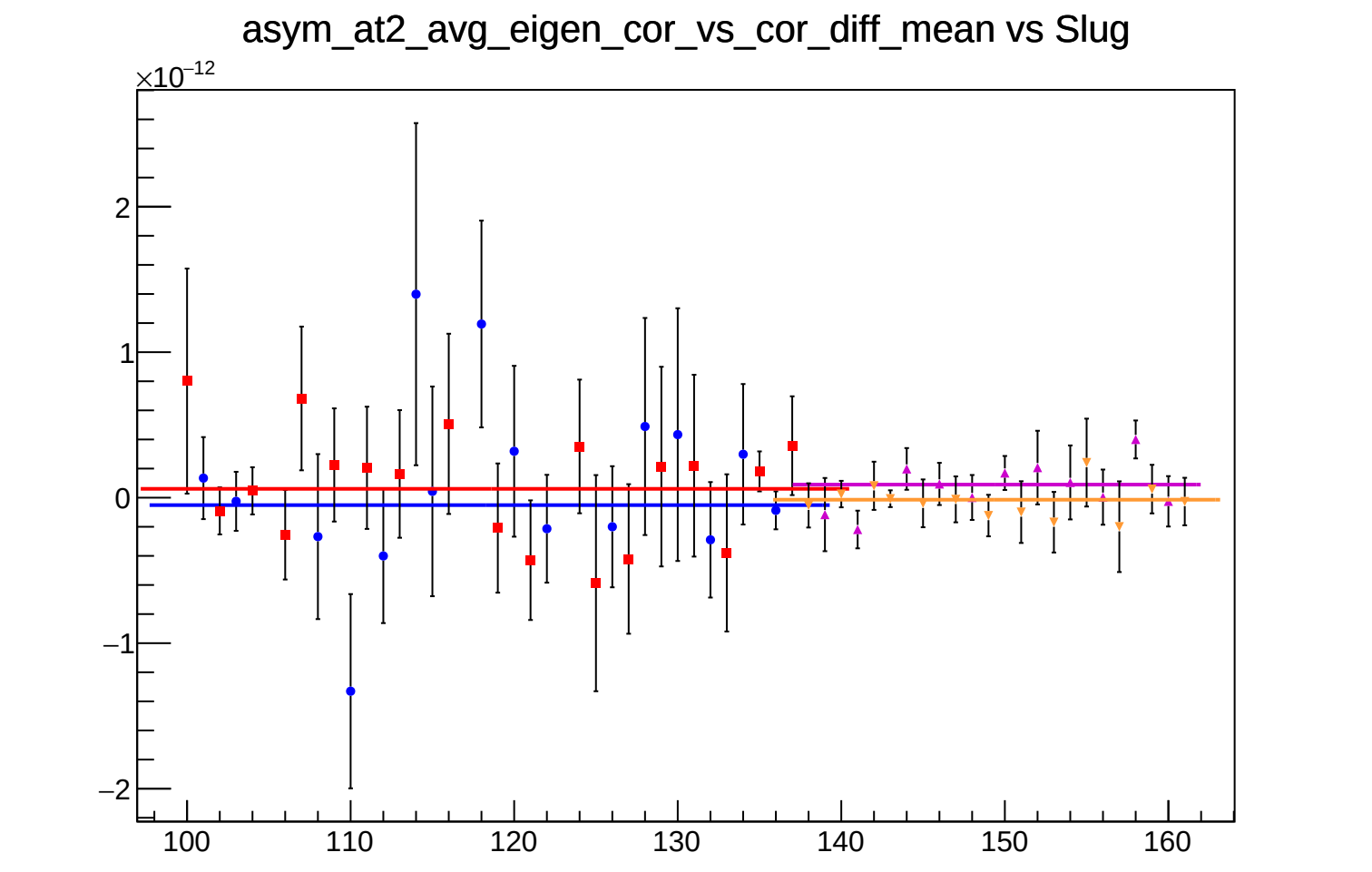
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 623.503+/-0.146 χ^2/NDF:588567.9/10

+ sign 395.474+/-0.075 χ^2/NDF: 6644590.7/28

All: 380.283+/-0.052 χ^2/NDF: 13248837.2/58

- sign 366.386+/-0.072 χ^2/NDF: 6526179.5/29



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/12

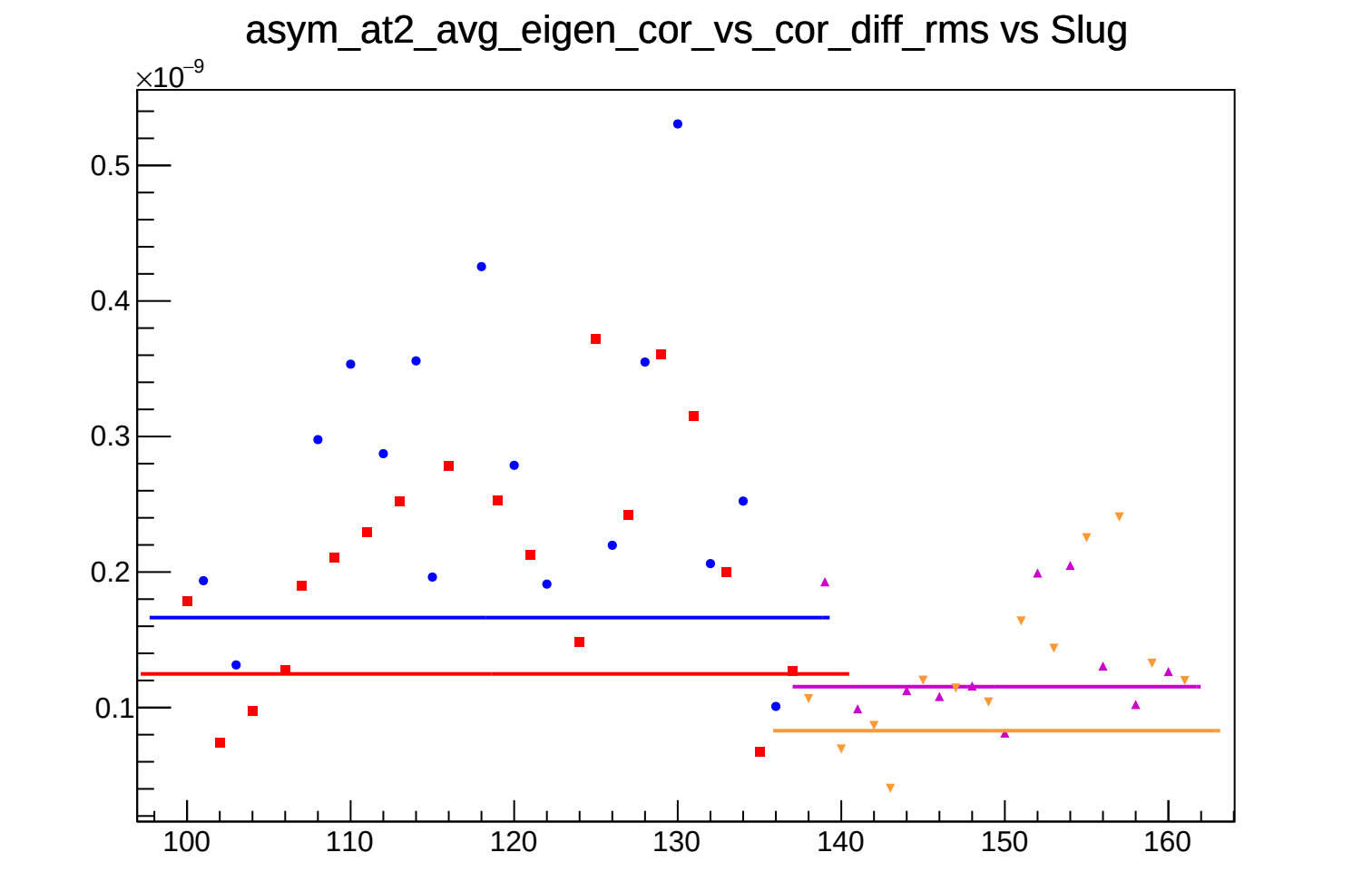
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/10

+ sign -0.000+/-0.000 χ^2/NDF: 15.3/28

All: 0.000+/-0.000 χ^2/NDF: 44.9/58

- sign 0.000+/-0.000 χ^2/NDF: 25.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3104457.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

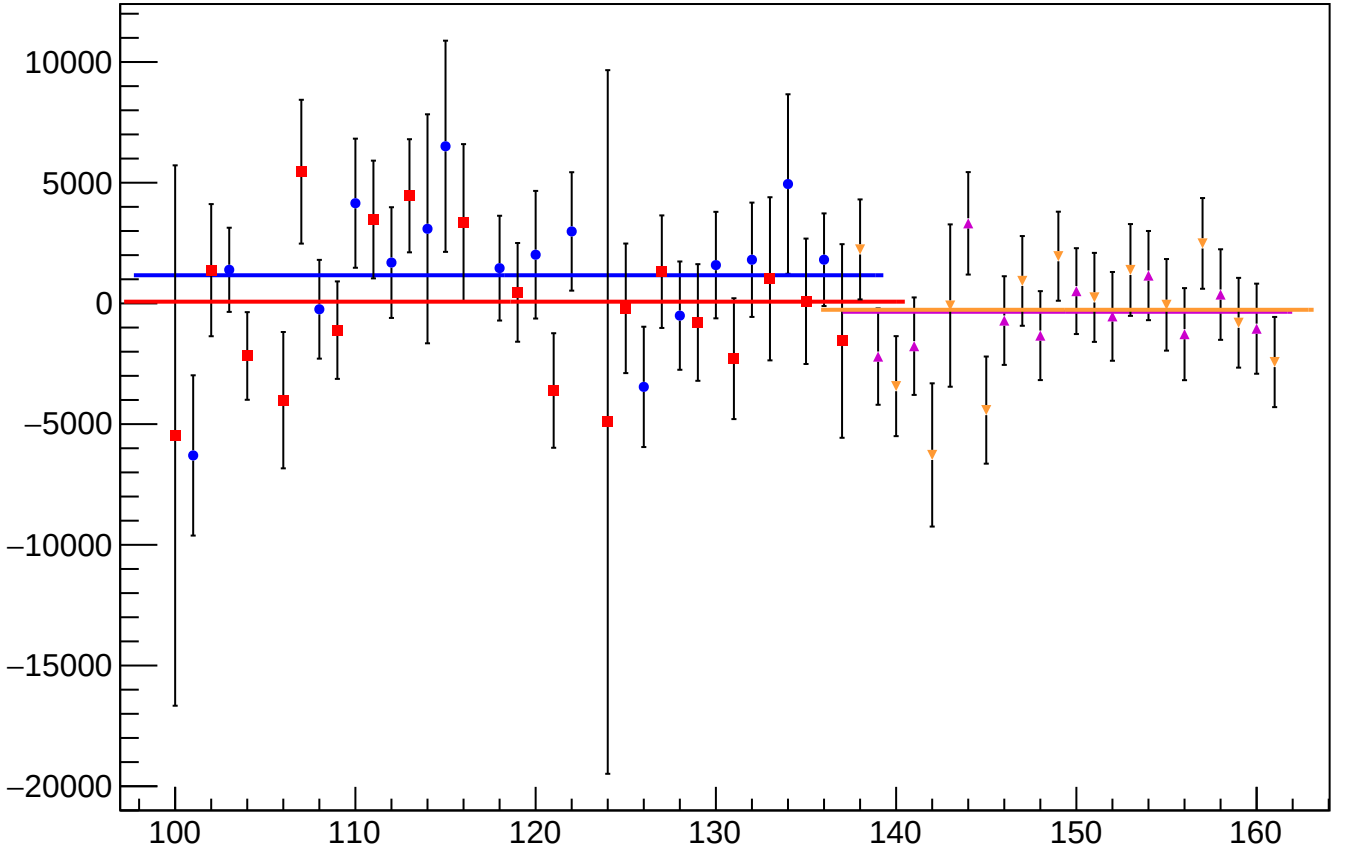
Left In: 0.000+/-0.000 χ^2/NDF:907415.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 6739155.5/28

All: 0.000+/-0.000 χ^2/NDF: 10264342.4/58

- sign 0.000+/-0.000 χ^2/NDF: 3141675.0/29

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -263.728+/-562.315 χ^2/NDF:17.7/12

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

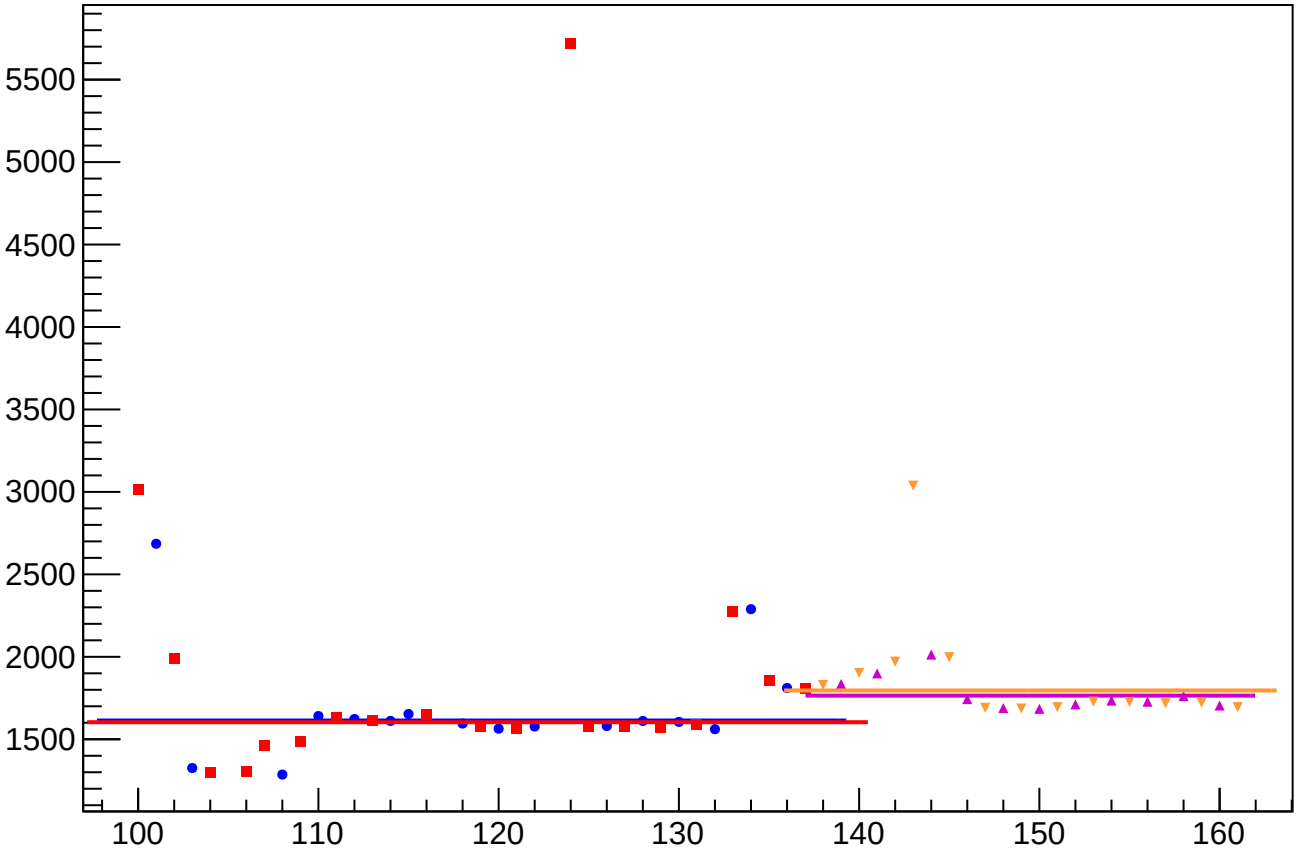
Left In: -346.427+/-571.580 χ^2/NDF:6.1/10

+ sign 394.439+/-413.190 χ^2/NDF: 35.1/28

All: 124.153+/-292.789 χ^2/NDF: 60.6/58

- sign -148.438+/-414.949 χ^2/NDF: 24.6/29

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1795.994+/-0.398 χ^2/NDF:339167.8/12

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

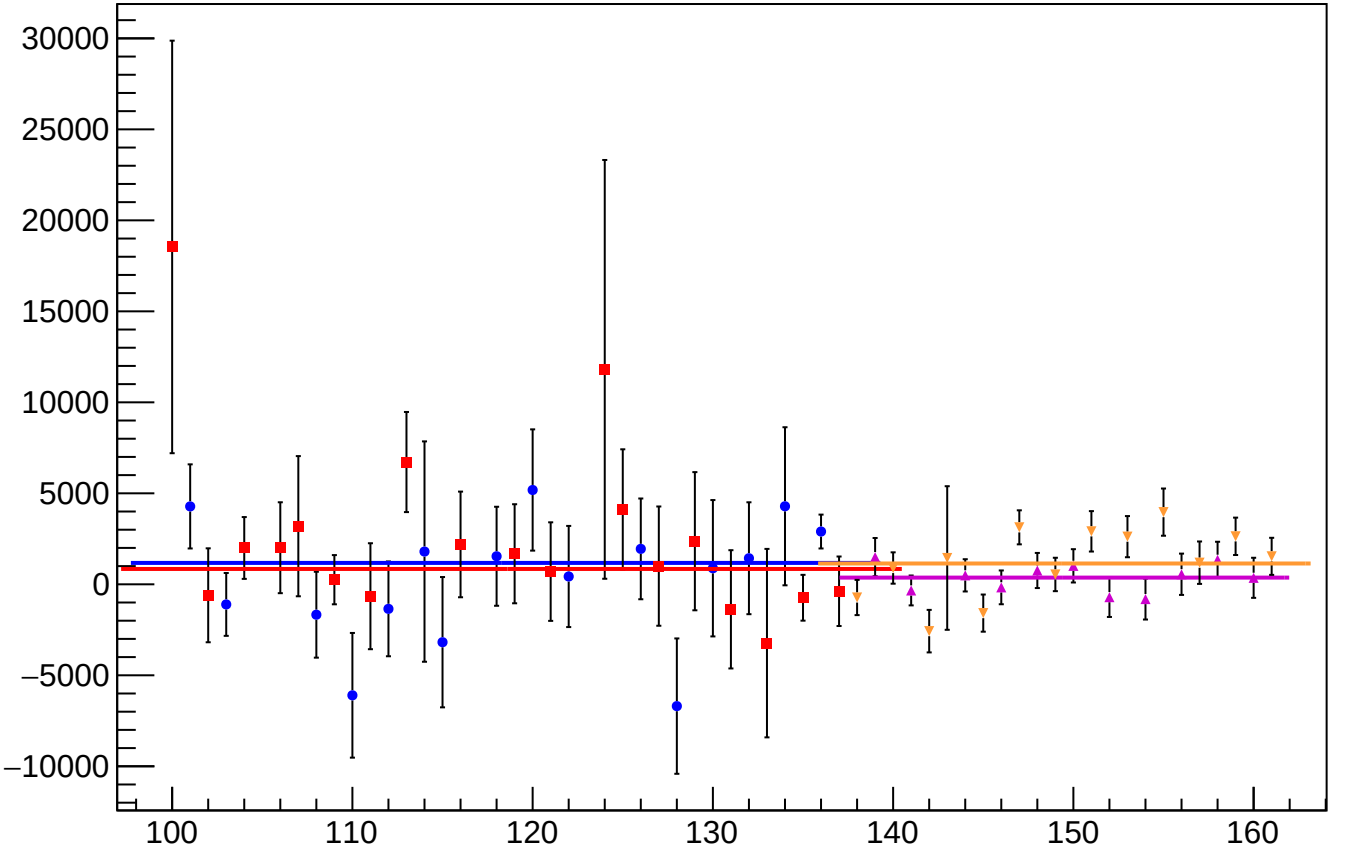
Left In: 1764.716+/-0.404 χ^2/NDF:51601.7/10

+ sign 1712.114+/-0.292 χ^2/NDF: 840585.9/28

All: 1700.332+/-0.207 χ^2/NDF: 1396534.3/58

- sign 1688.448+/-0.293 χ^2/NDF: 552681.7/29

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 1143.626+/-296.976 χ^2/NDF:37.3/12

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

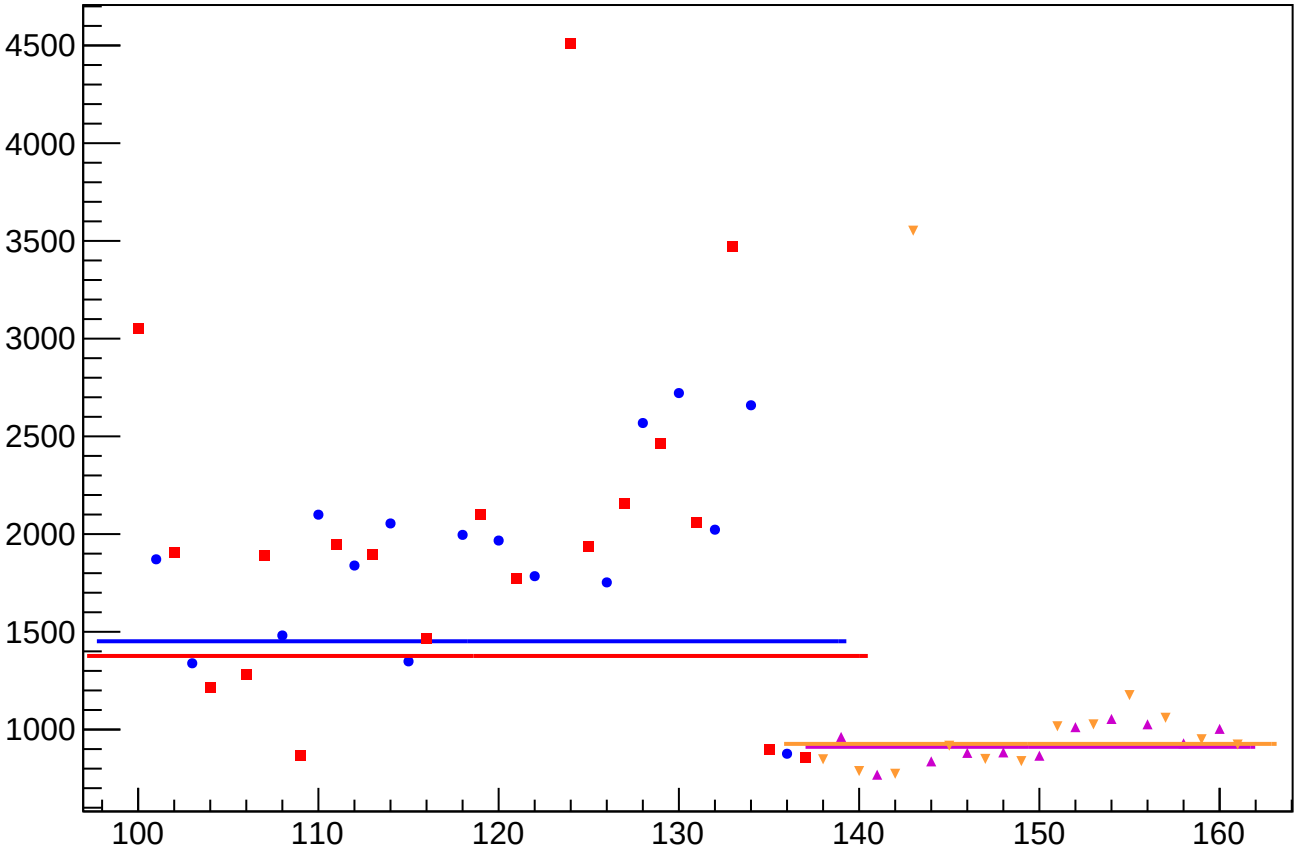
Left In: 368.138+/-296.914 χ^2/NDF:6.0/10

+ sign 1150.259+/-264.251 χ^2/NDF: 59.3/28

All: 808.947+/-186.073 χ^2/NDF: 83.4/58

- sign 473.274+/-262.058 χ^2/NDF: 20.8/29

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 926.594+/-0.210 χ^2/NDF:1147845.2/12

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

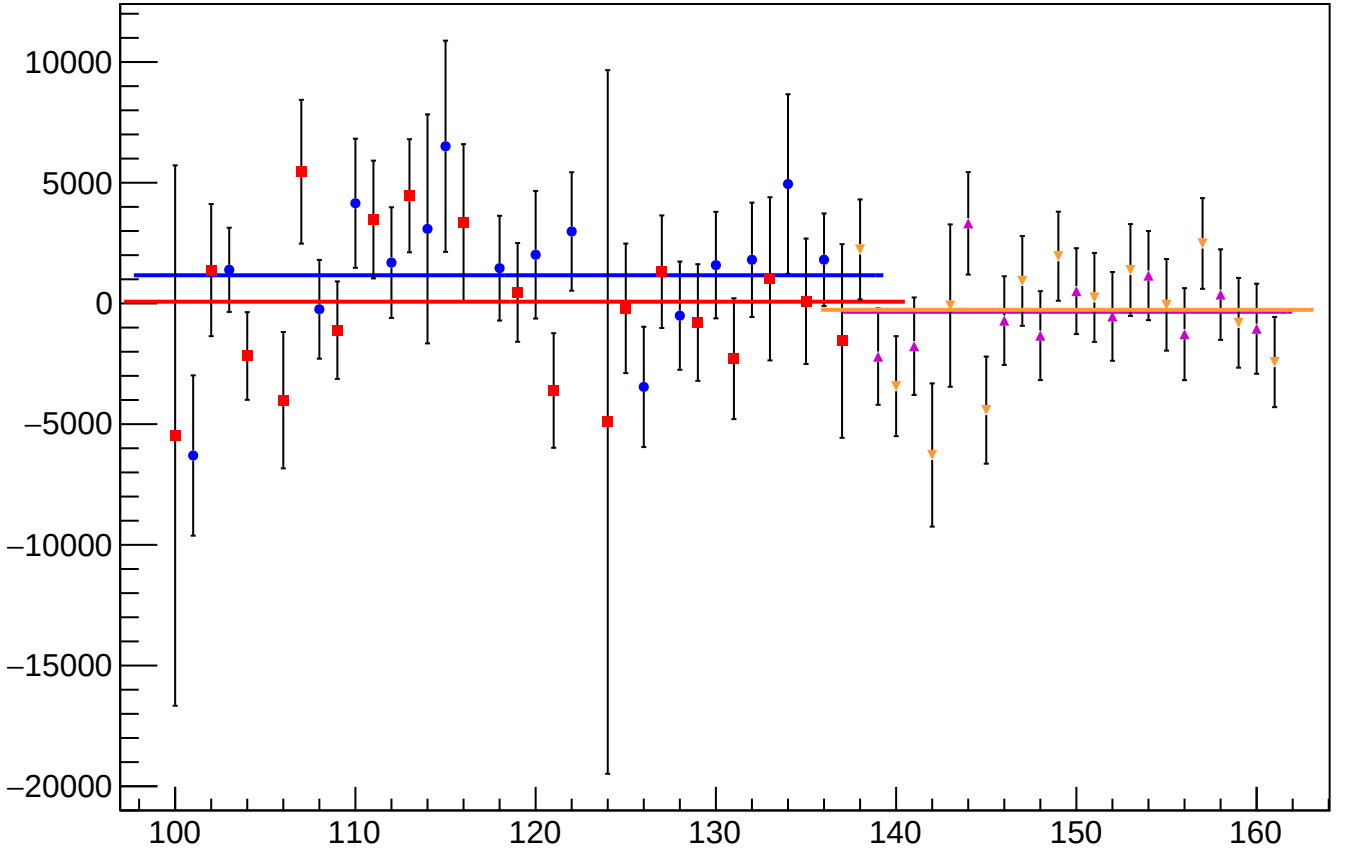
Left In: 911.603+/-0.210 χ^2/NDF:172478.7/10

+ sign 1035.932+/-0.187 χ^2/NDF: 4240497.1/28

All: 1025.047+/-0.132 χ^2/NDF: 7635257.8/58

- sign 1014.341+/-0.185 χ^2/NDF: 3388028.8/29

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -263.911+/-562.315 χ^2/NDF:17.7/12

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

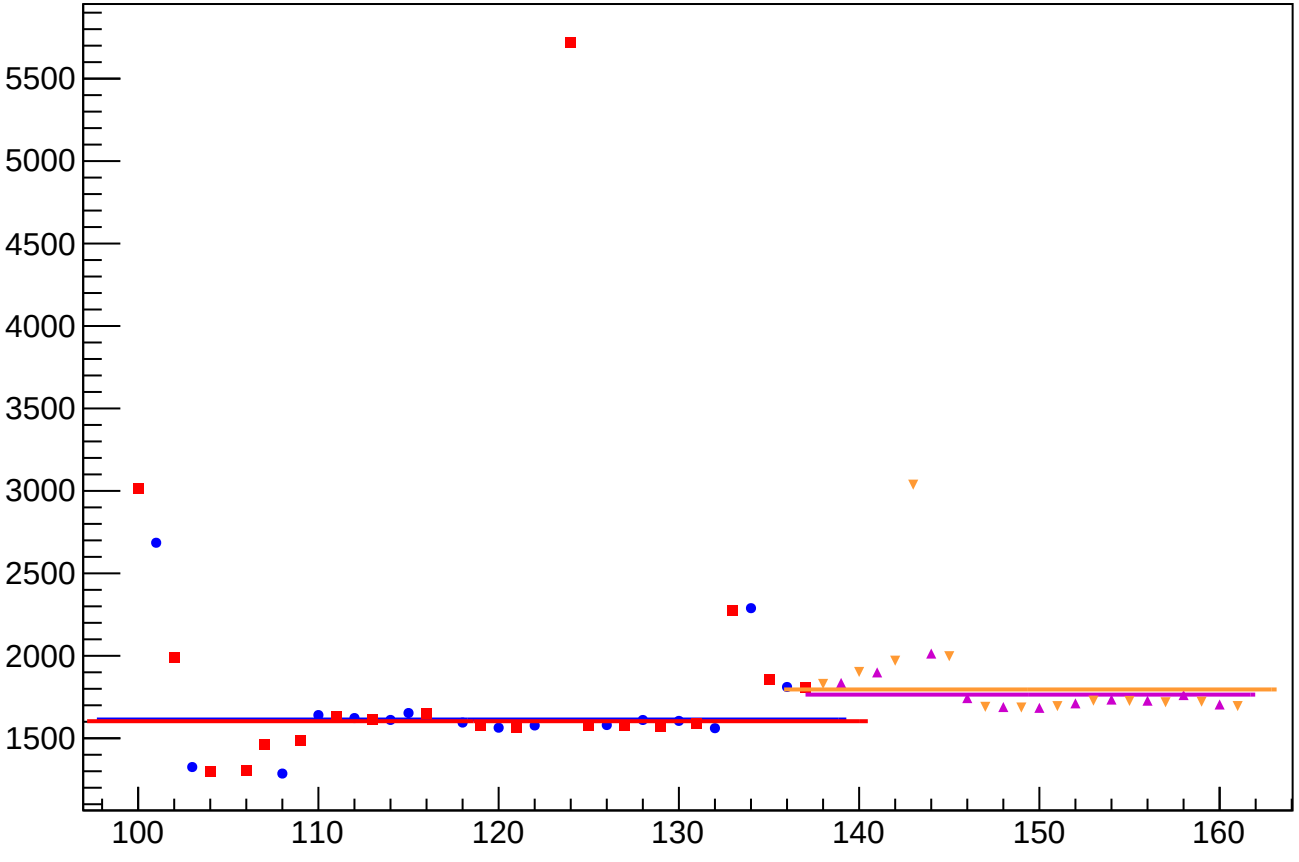
Left In: -346.409+/-571.580 χ^2/NDF:6.1/10

+ sign 394.297+/-413.190 χ^2/NDF: 35.1/28

All: 124.162+/-292.789 χ^2/NDF: 60.6/58

- sign -148.278+/-414.949 χ^2/NDF: 24.6/29

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1795.994+/-0.398 χ^2/NDF:339167.8/12

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

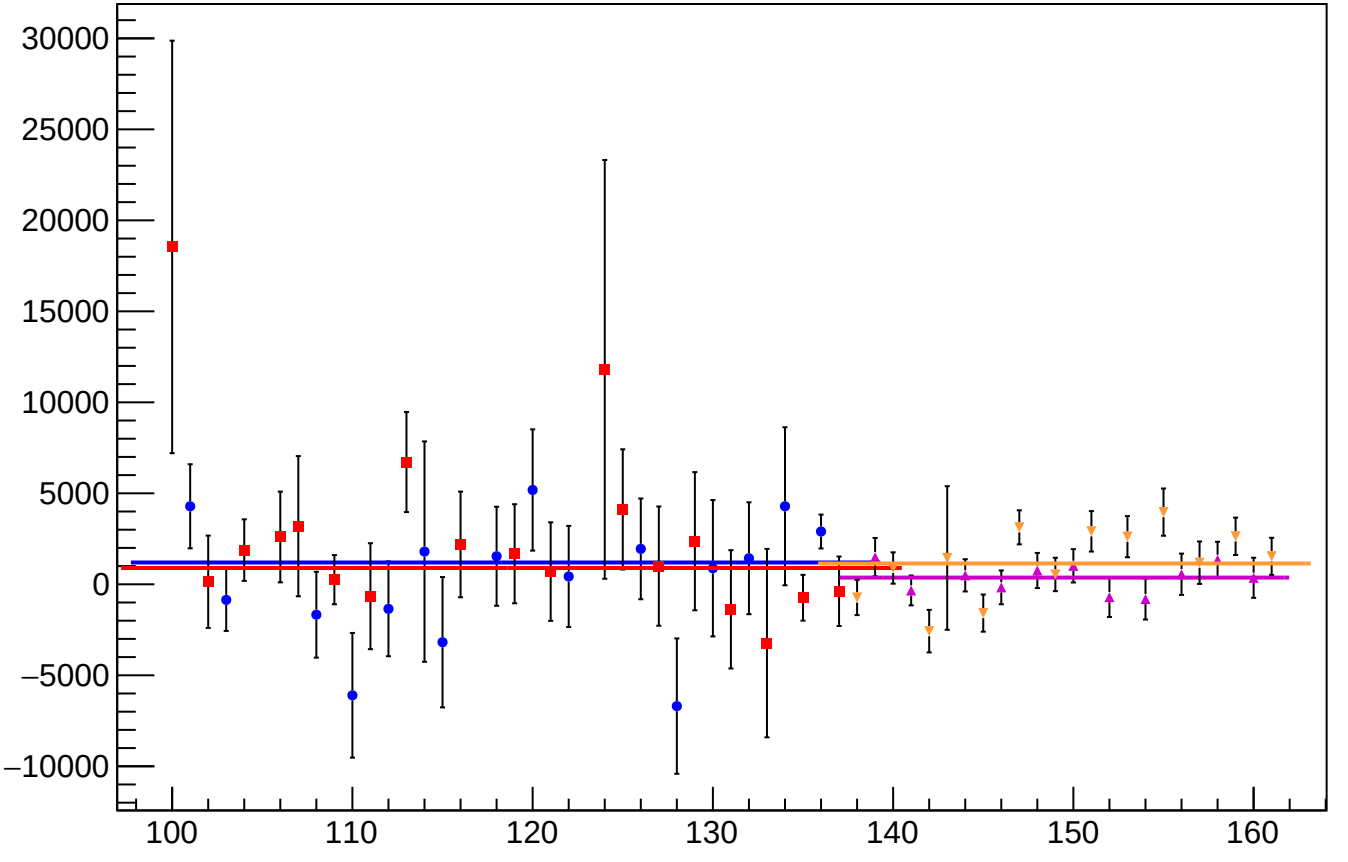
Left In: 1764.716+/-0.404 χ^2/NDF:51601.7/10

+ sign 1712.114+/-0.292 χ^2/NDF: 840586.3/28

All: 1700.331+/-0.207 χ^2/NDF: 1396534.8/58

- sign 1688.448+/-0.293 χ^2/NDF: 552681.9/29

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1143.618+/-296.979 χ^2/NDF:37.3/12

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

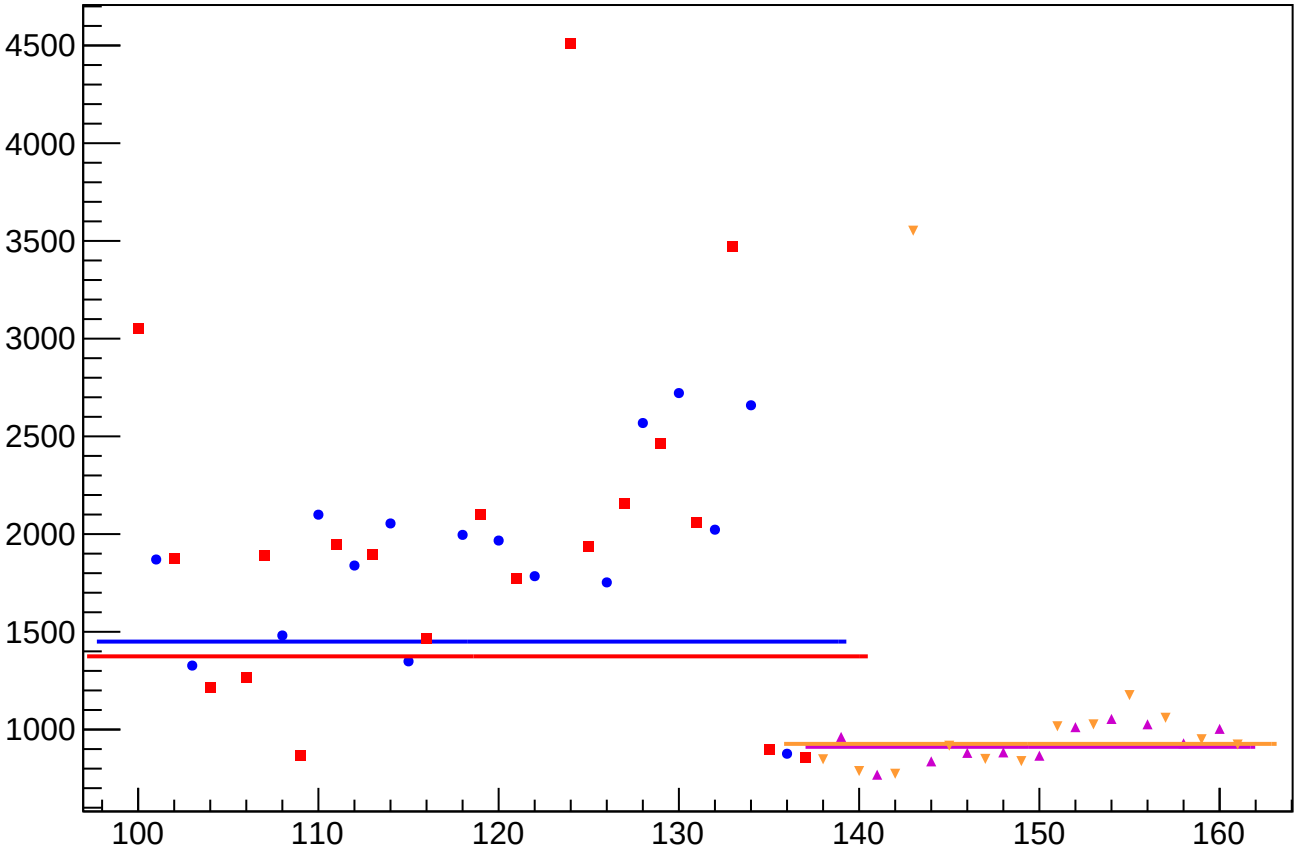
Left In: 368.087+/-296.913 χ^2/NDF:6.0/10

+ sign 1155.039+/-264.175 χ^2/NDF: 58.9/28

All: 817.167+/-186.018 χ^2/NDF: 83.1/58

- sign 484.891+/-261.978 χ^2/NDF: 20.9/29

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 926.606+/-0.210 χ^2/NDF:1147758.2/12

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

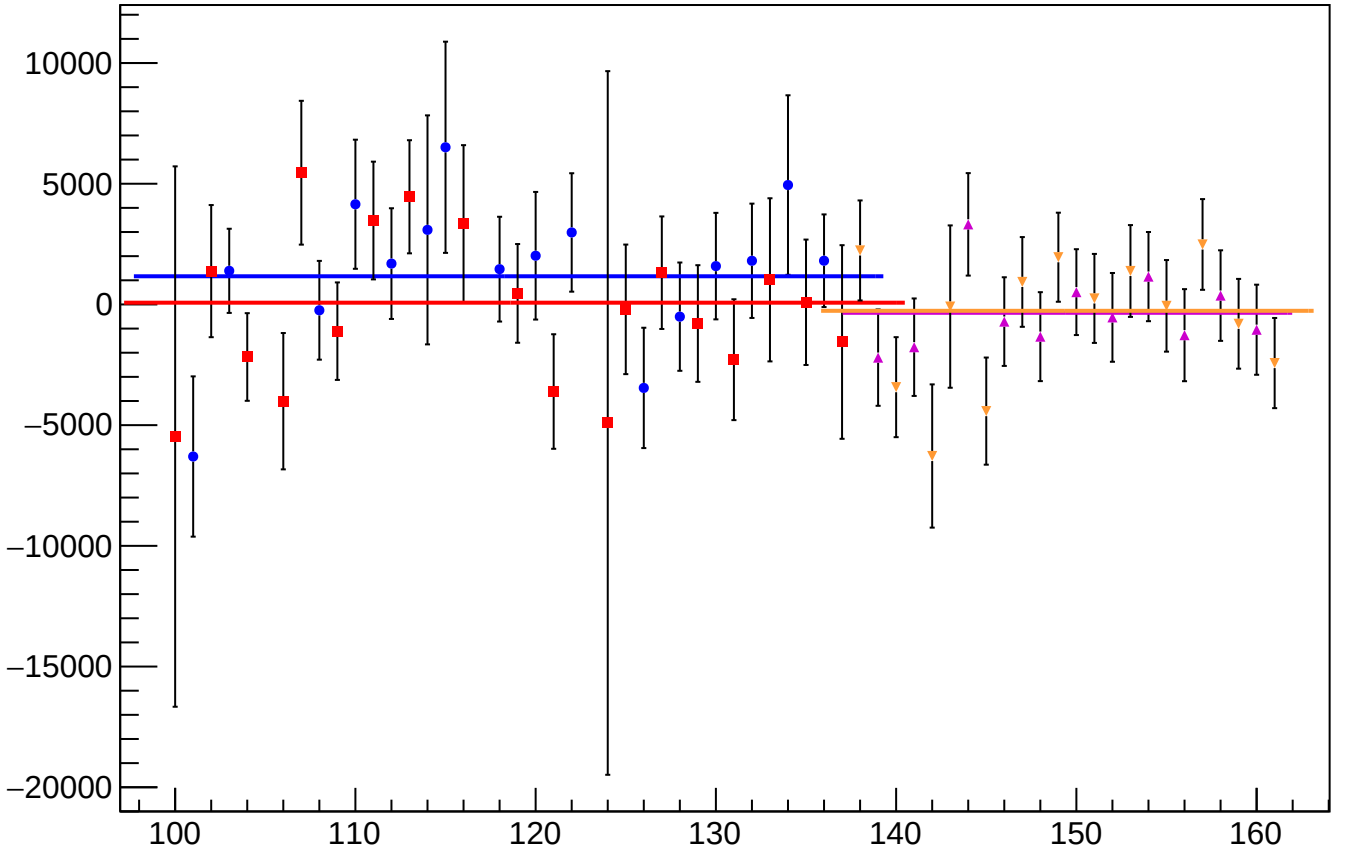
Left In: 911.600+/-0.210 χ^2/NDF:172516.2/10

+ sign 1035.836+/-0.187 χ^2/NDF: 4236709.9/28

All: 1024.883+/-0.132 χ^2/NDF: 7620121.0/58

- sign 1014.110+/-0.185 χ^2/NDF: 3376591.1/29

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -263.911+/-562.315 χ^2/NDF:17.7/12

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

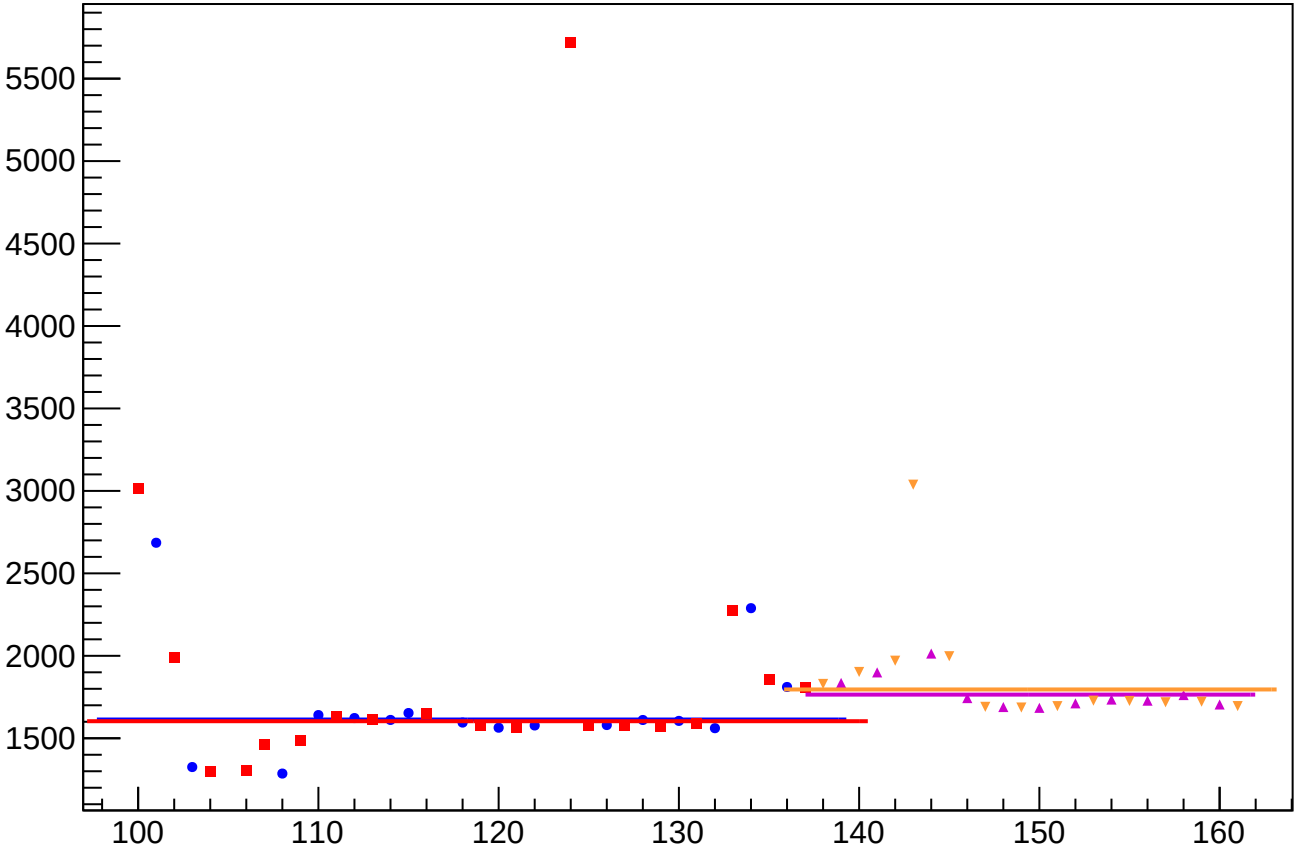
Left In: -346.409+/-571.580 χ^2/NDF:6.1/10

+ sign 394.297+/-413.190 χ^2/NDF: 35.1/28

All: 124.162+/-292.789 χ^2/NDF: 60.6/58

- sign -148.278+/-414.949 χ^2/NDF: 24.6/29

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1795.994+/-0.398 χ^2/NDF:339167.8/12

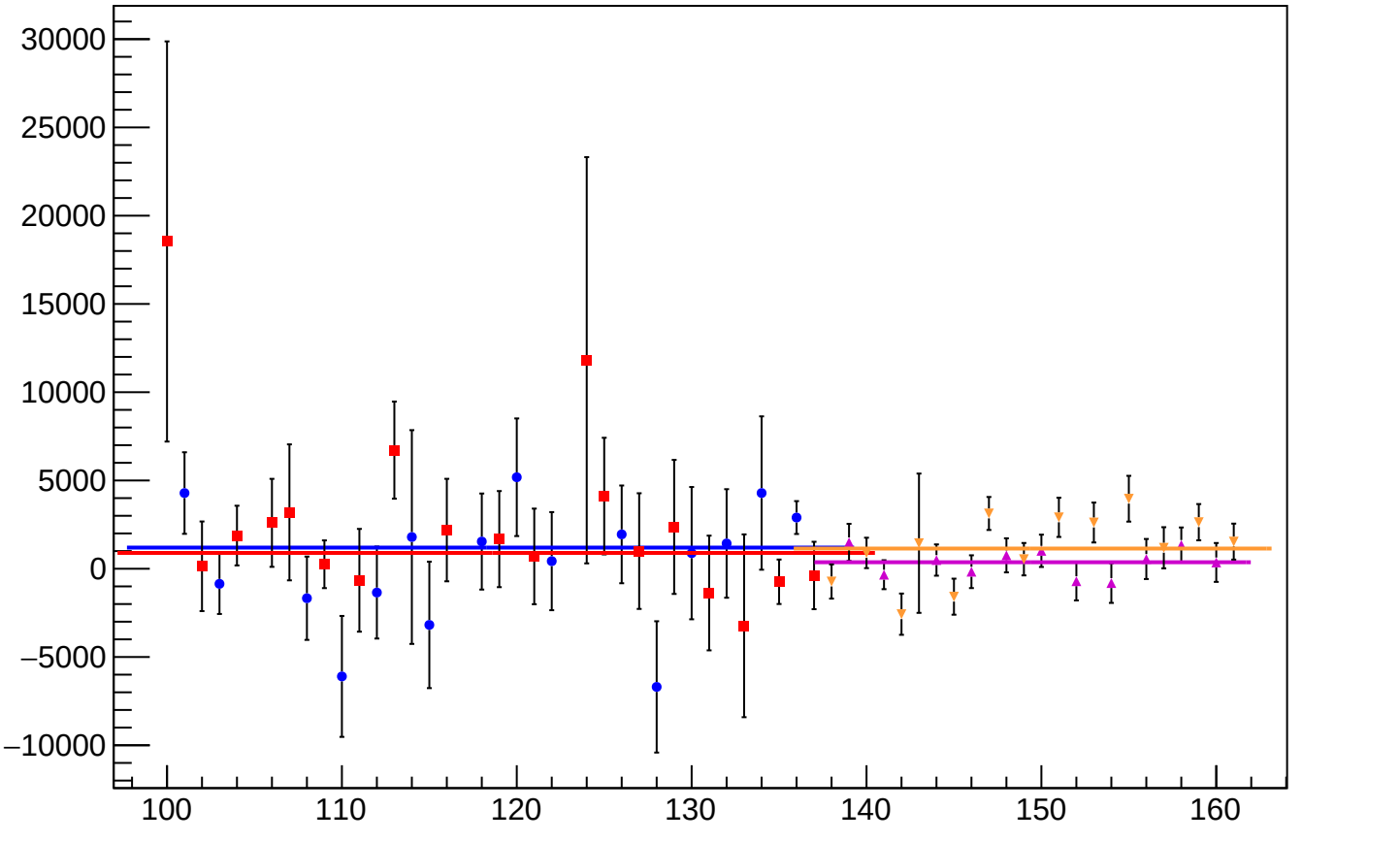
Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1764.716+/-0.404 χ^2/NDF:51601.7/10

+ sign 1712.114+/-0.292 χ^2/NDF: 840586.3/28

All: 1700.331+/-0.207 χ^2/NDF: 1396534.8/58

- sign 1688.448+/-0.293 χ^2/NDF: 552681.9/29



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1143.618+/-296.979 χ^2/NDF:37.3/12

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

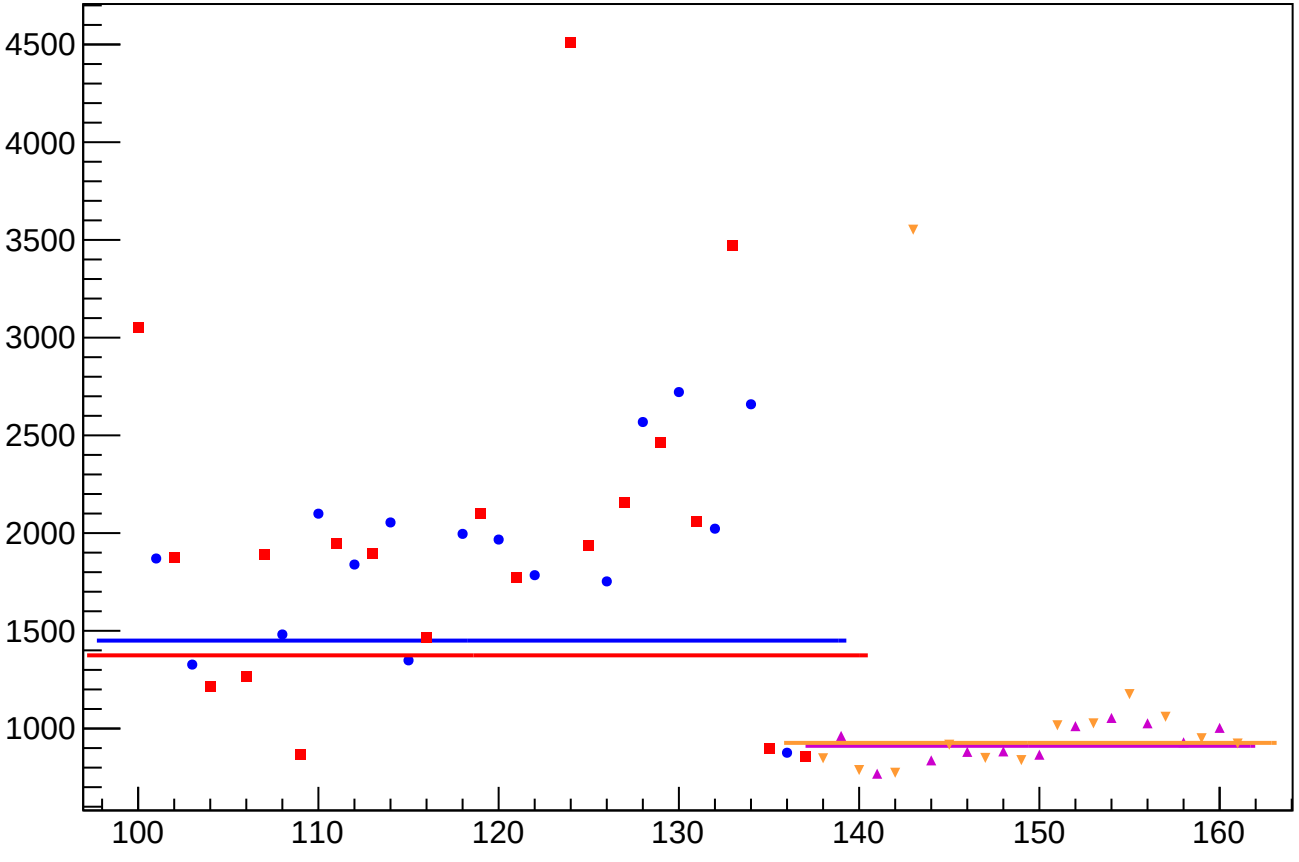
Left In: 368.087+/-296.913 χ^2/NDF:6.0/10

+ sign 1155.039+/-264.175 χ^2/NDF: 58.9/28

All: 817.167+/-186.018 χ^2/NDF: 83.1/58

- sign 484.891+/-261.978 χ^2/NDF: 20.9/29

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 926.606+/-0.210 χ^2/NDF:1147758.2/12

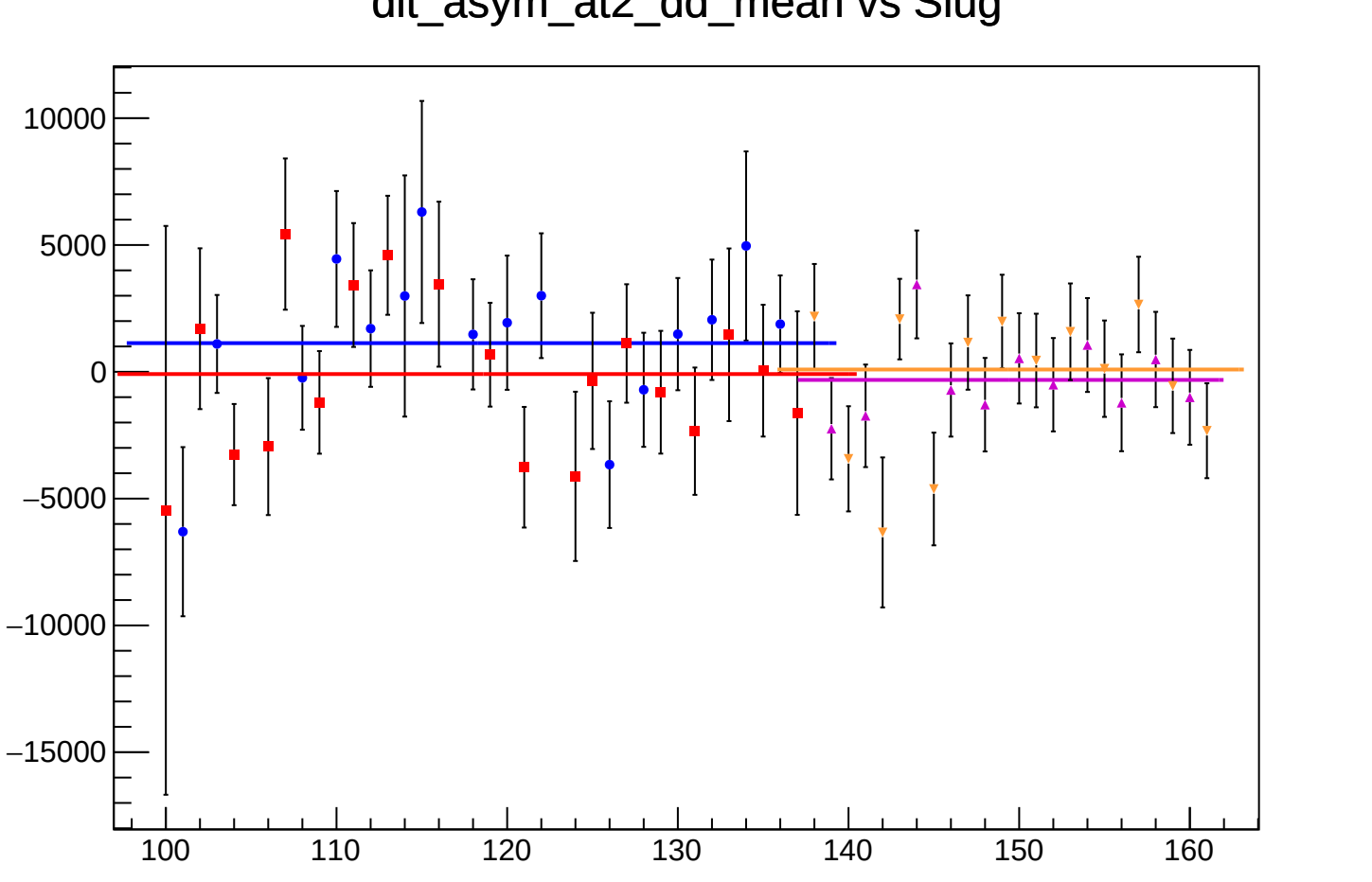
Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 911.600+/-0.210 χ^2/NDF:172516.2/10

+ sign 1035.836+/-0.187 χ^2/NDF: 4236709.9/28

All: 1024.883+/-0.132 χ^2/NDF: 7620121.0/58

- sign 1014.110+/-0.185 χ^2/NDF: 3376591.1/29



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 90.442+/-537.346 χ^2/NDF:20.3/12

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

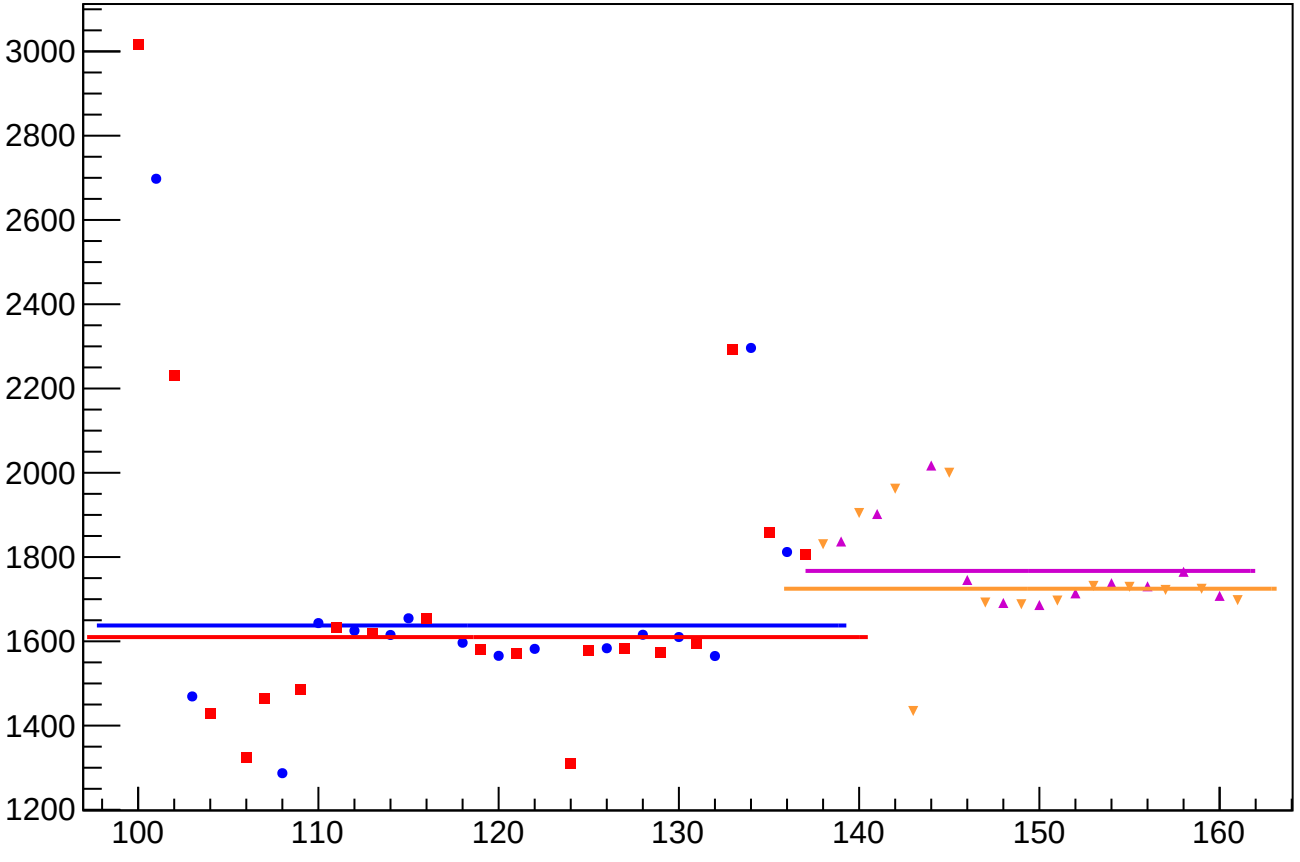
Left In: -320.526+/-572.355 χ^2/NDF:6.2/10

+ sign 538.946+/-405.283 χ^2/NDF: 37.0/28

All: 173.034+/-290.004 χ^2/NDF: 65.6/58

- sign -210.914+/-415.151 χ^2/NDF: 27.0/29

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1724.832+/-0.380 χ^2/NDF:132925.5/12

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

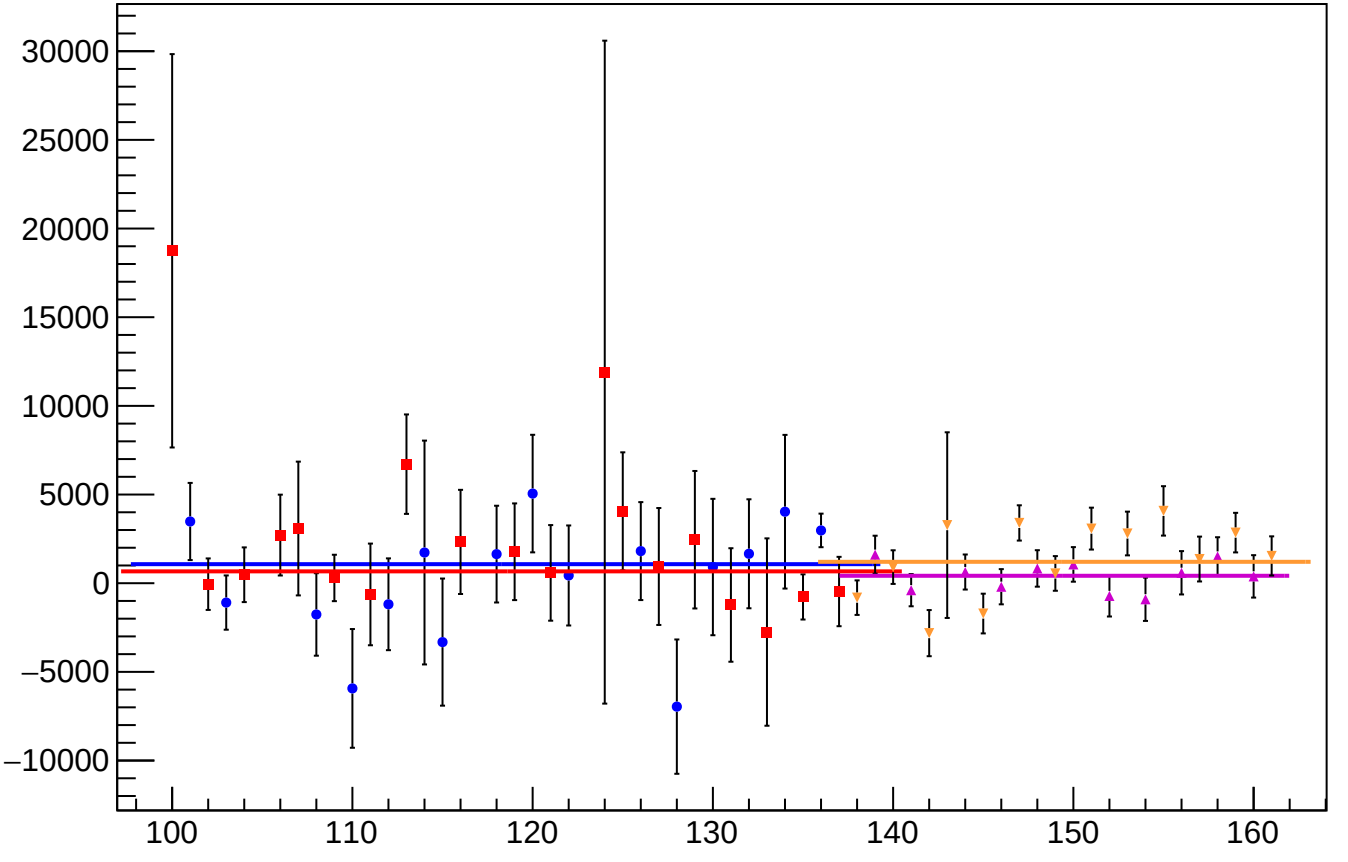
Left In: 1767.090+/-0.405 χ^2/NDF:51765.0/10

+ sign 1687.212+/-0.287 χ^2/NDF: 517080.0/28

All: 1689.874+/-0.205 χ^2/NDF: 921190.9/58

- sign 1692.668+/-0.294 χ^2/NDF: 403934.0/29

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1206.471+/-319.680 χ^2/NDF:36.9/12

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

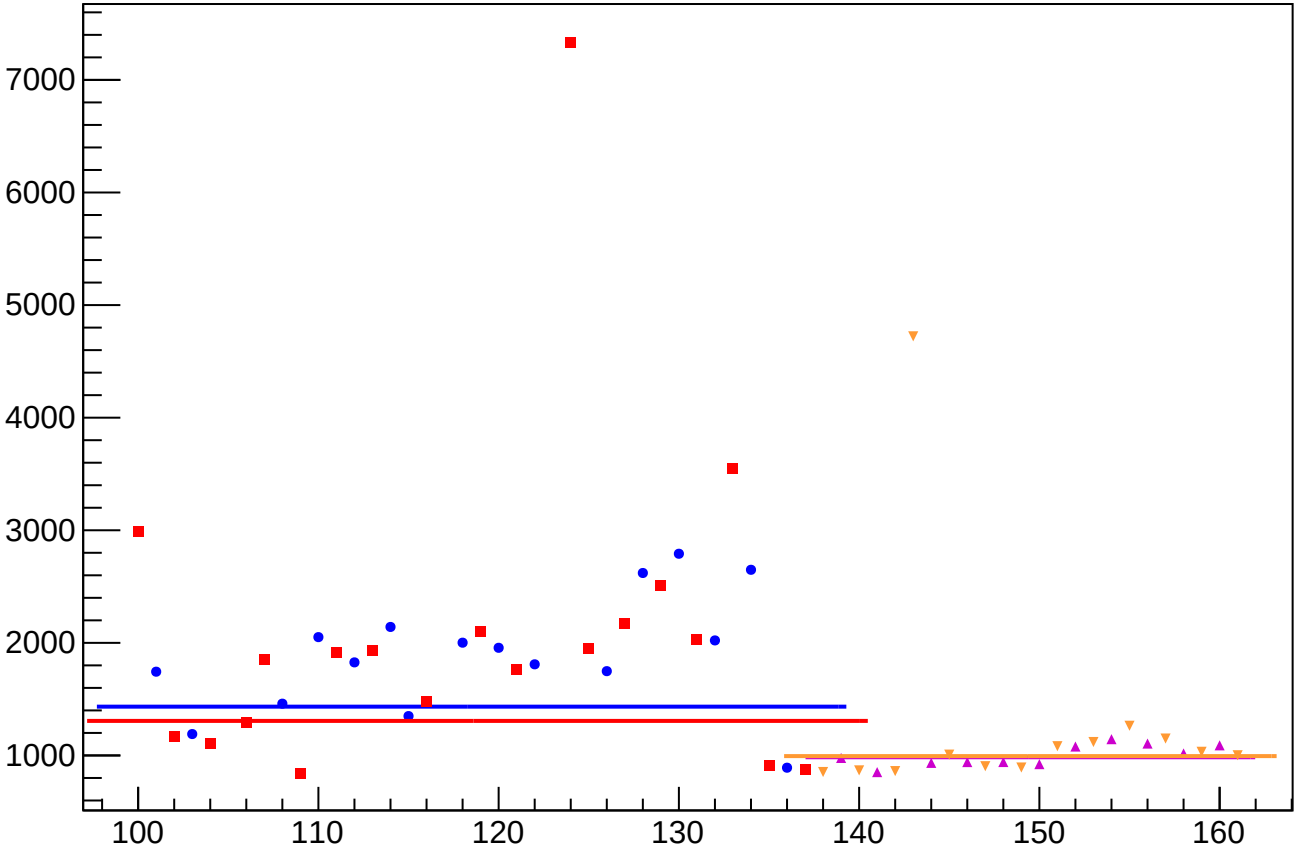
Left In: 418.896+/-320.237 χ^2/NDF:6.2/10

+ sign 1174.814+/-279.010 χ^2/NDF: 59.0/28

All: 823.471+/-195.194 χ^2/NDF: 82.0/58

- sign 486.672+/-273.175 χ^2/NDF: 19.9/29

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 994.186+/-0.226 χ^2/NDF:1290564.6/12

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

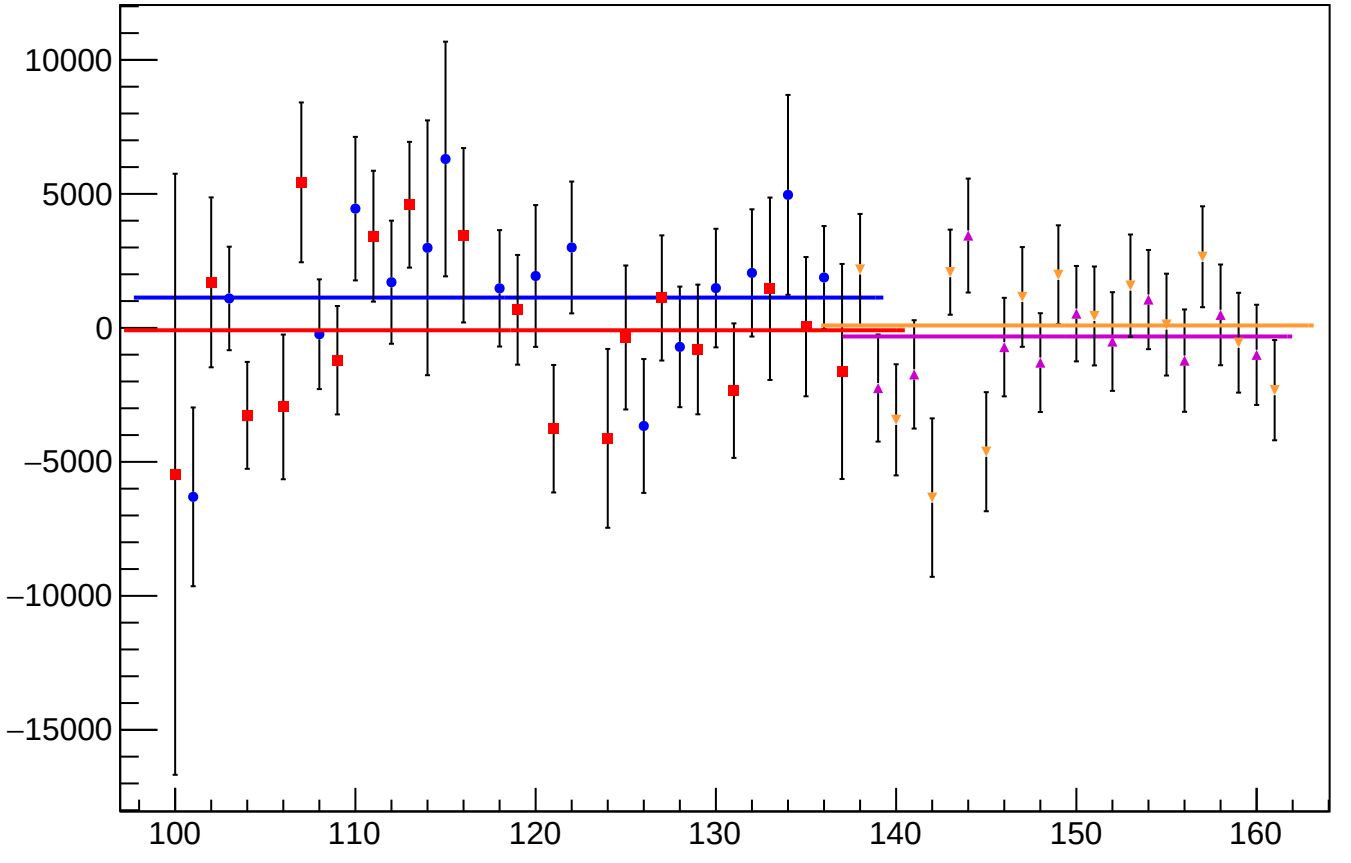
Left In: 983.936+/-0.226 χ^2/NDF:147738.3/10

+ sign 1098.849+/-0.197 χ^2/NDF: 3953856.7/28

All: 1085.079+/-0.138 χ^2/NDF: 6848889.7/58

- sign 1071.878+/-0.193 χ^2/NDF: 2885490.9/29

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 90.433+/-537.347 χ^2/NDF:20.3/12

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

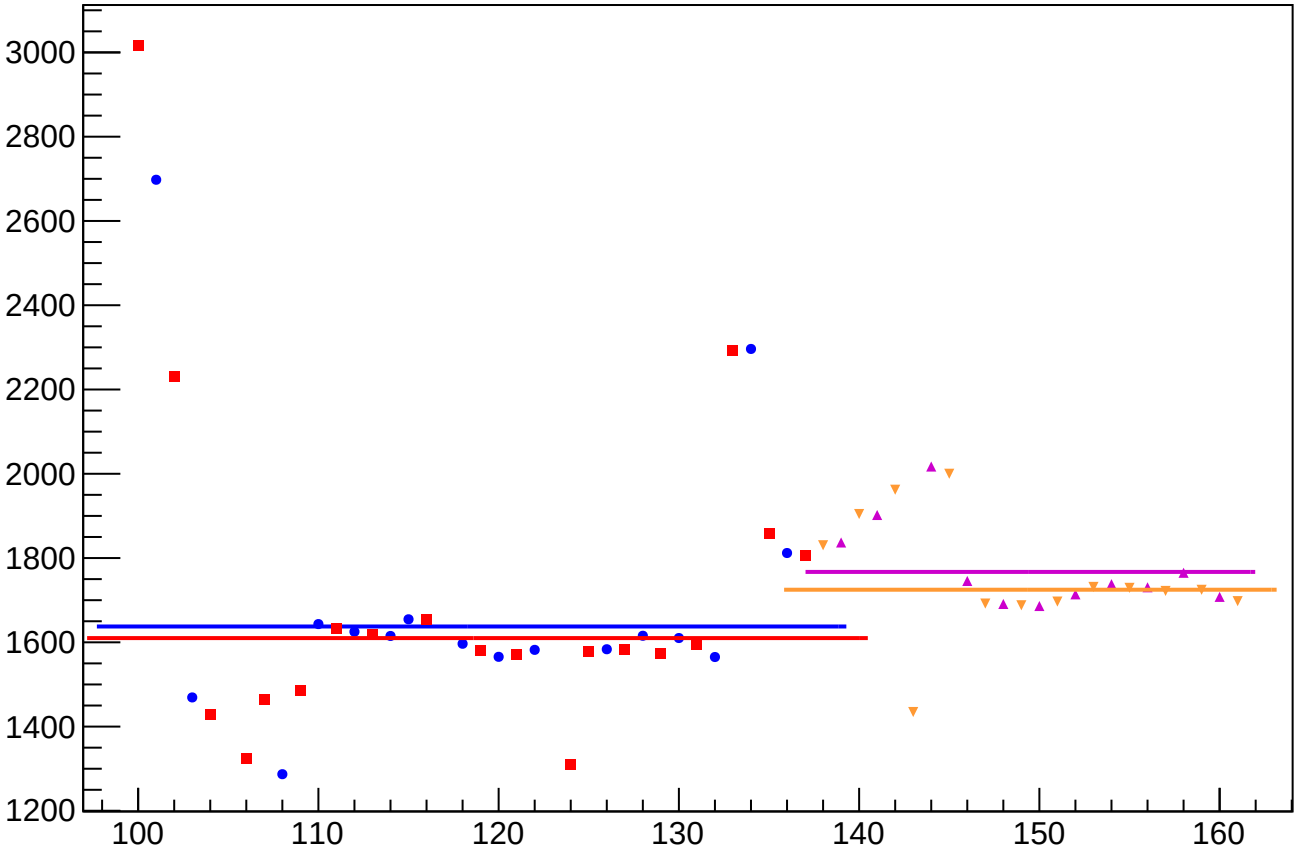
Left In: -320.525+/-572.355 χ^2/NDF:6.2/10

+ sign 538.942+/-405.283 χ^2/NDF: 37.0/28

All: 173.030+/-290.004 χ^2/NDF: 65.6/58

- sign -210.916+/-415.151 χ^2/NDF: 27.0/29

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1724.832+/-0.380 χ^2/NDF:132924.4/12

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

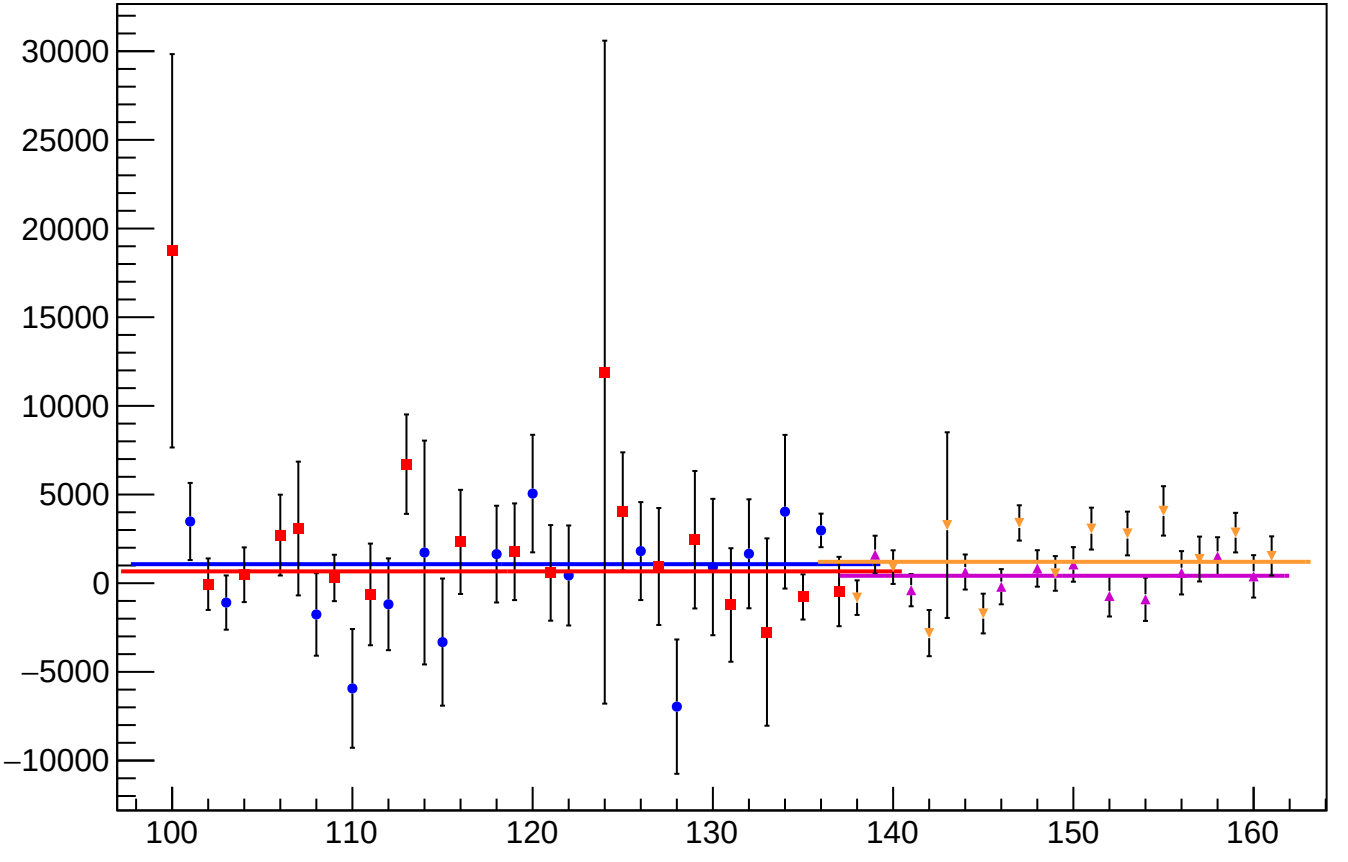
Left In: 1767.090+/-0.405 χ^2/NDF:51765.1/10

+ sign 1687.212+/-0.287 χ^2/NDF: 517079.0/28

All: 1689.874+/-0.205 χ^2/NDF: 921190.3/58

- sign 1692.668+/-0.294 χ^2/NDF: 403934.4/29

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1206.484+/-319.681 χ^2/NDF:36.9/12

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

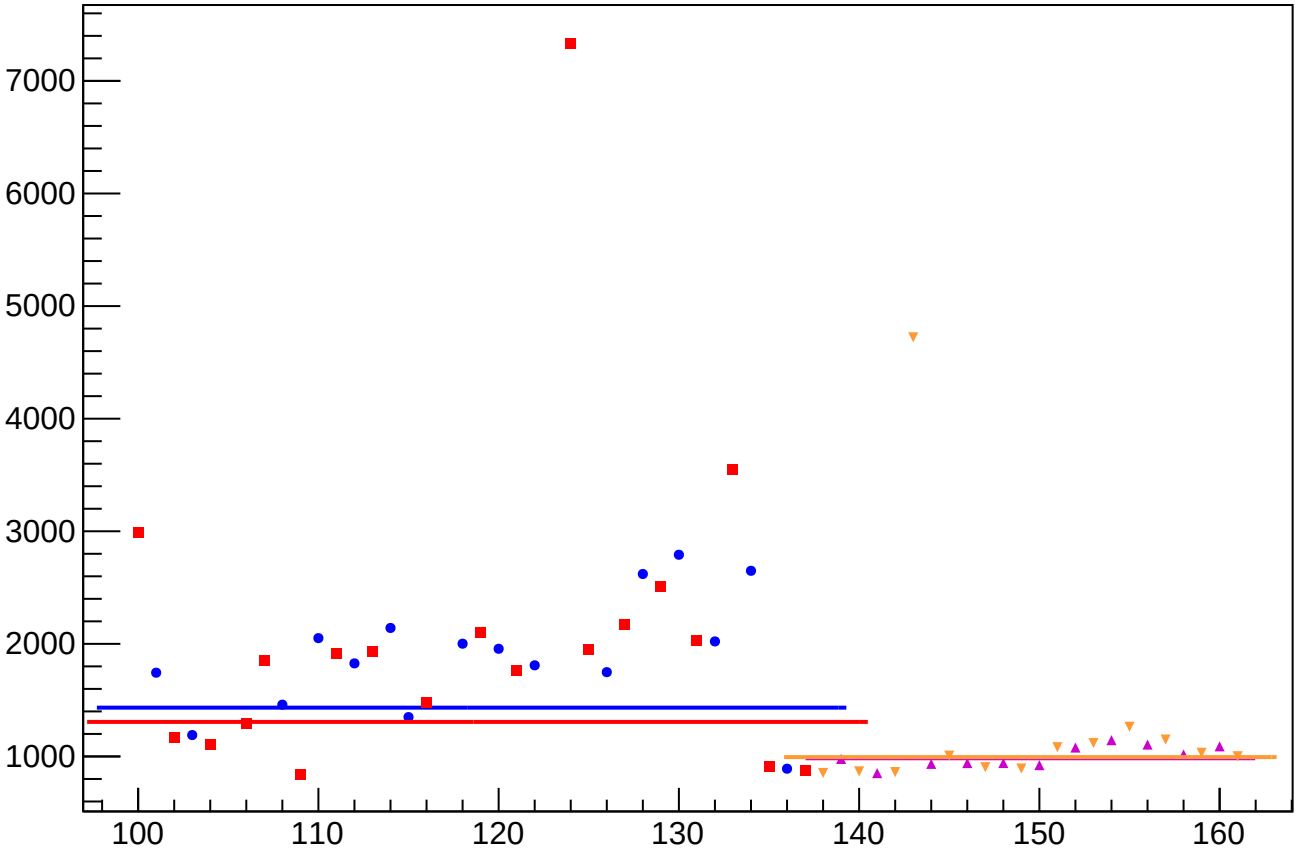
Left In: 418.894+/-320.238 χ^2/NDF:6.2/10

+ sign 1174.821+/-279.012 χ^2/NDF: 59.0/28

All: 823.475+/-195.195 χ^2/NDF: 82.0/58

- sign 486.674+/-273.176 χ^2/NDF: 19.9/29

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 994.190+/-0.226 χ^2/NDF:1290543.4/12

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

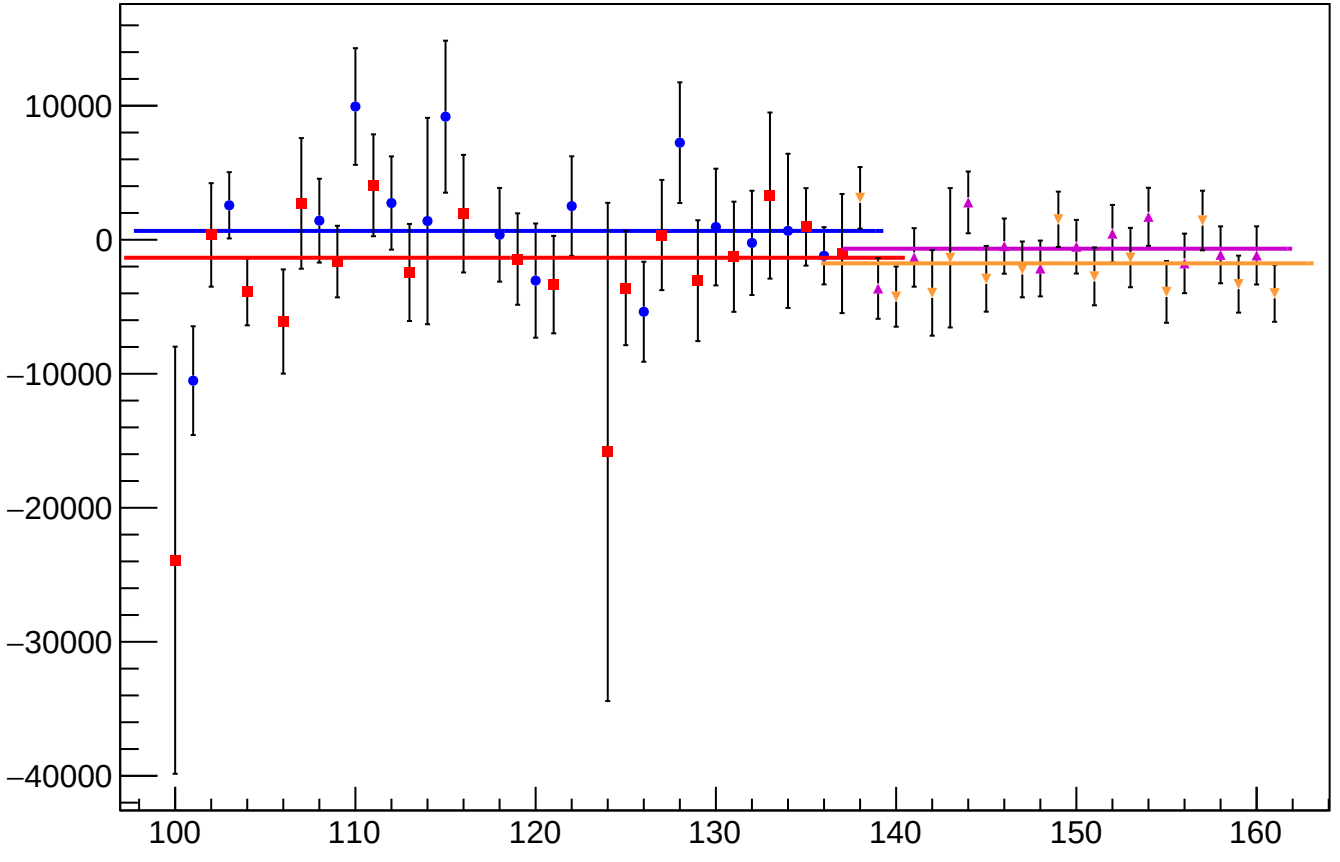
Left In: 983.939+/-0.226 χ^2/NDF:147740.2/10

+ sign 1098.856+/-0.197 χ^2/NDF: 3953774.9/28

All: 1085.084+/-0.138 χ^2/NDF: 6848771.5/58

- sign 1071.883+/-0.193 χ^2/NDF: 2885453.2/29

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1759.798+/-644.810 χ^2/NDF:13.8/12

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

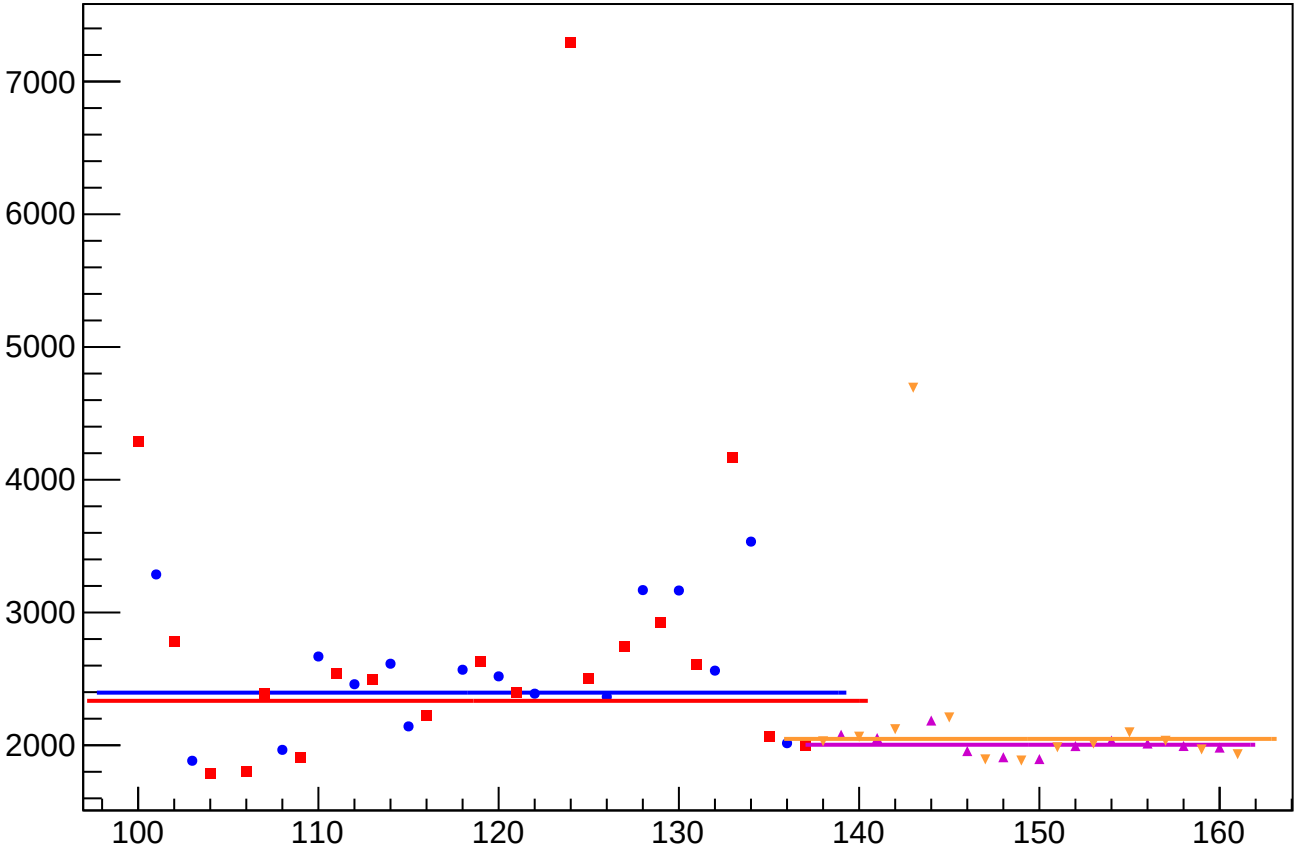
Left In: -668.494+/-648.653 χ^2/NDF:6.4/10

+ sign -950.627+/-526.036 χ^2/NDF: 40.5/28

All: -926.205+/-371.355 χ^2/NDF: 58.1/58

- sign -901.942+/-524.320 χ^2/NDF: 17.6/29

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2047.855+/-0.456 χ^2/NDF:562795.9/12

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

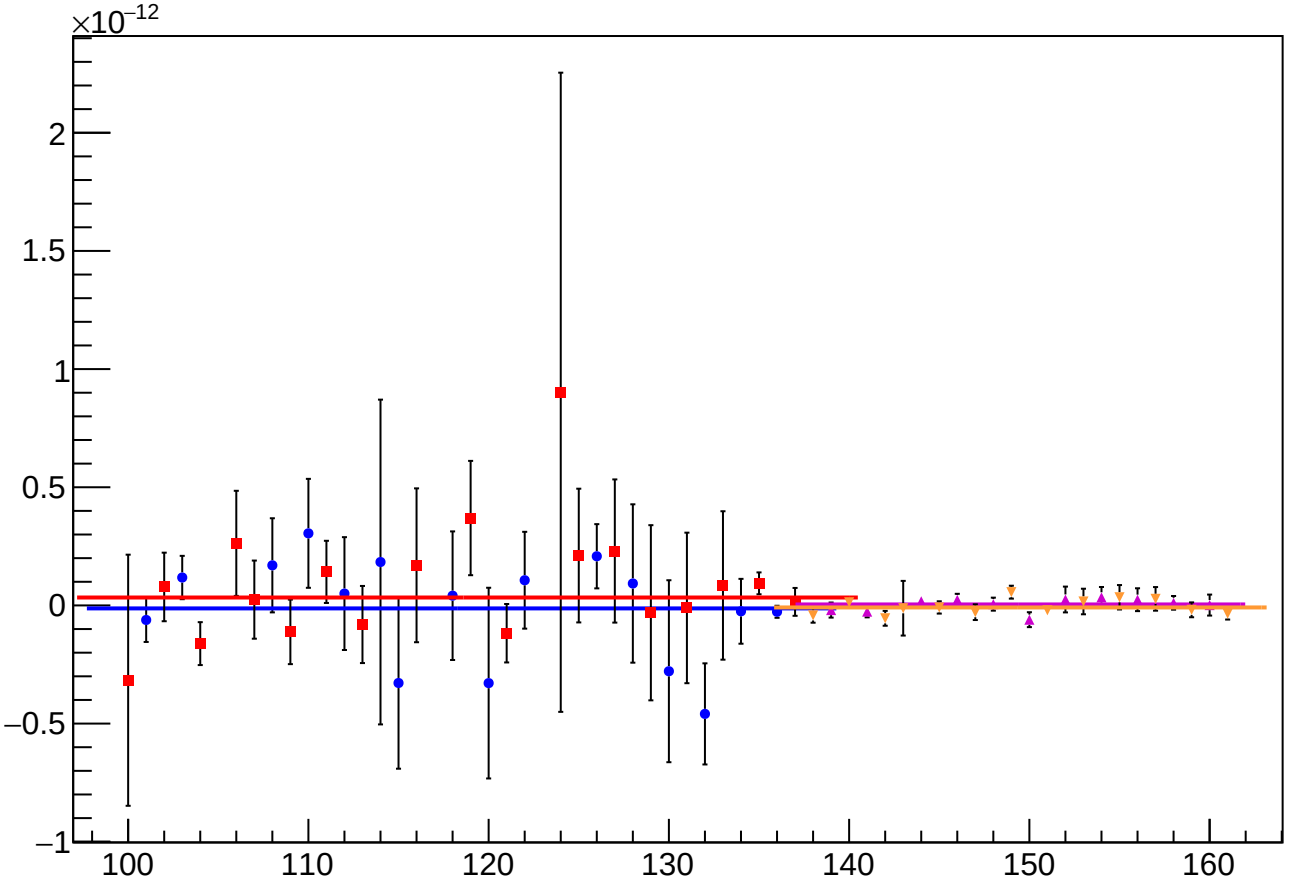
Left In: 2003.750+/-0.459 χ^2/NDF:27496.9/10

+ sign 2164.392+/-0.372 χ^2/NDF: 1266007.4/28

All: 2141.334+/-0.263 χ^2/NDF: 2163077.5/58

- sign 2118.427+/-0.371 χ^2/NDF: 889409.9/29

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:13.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

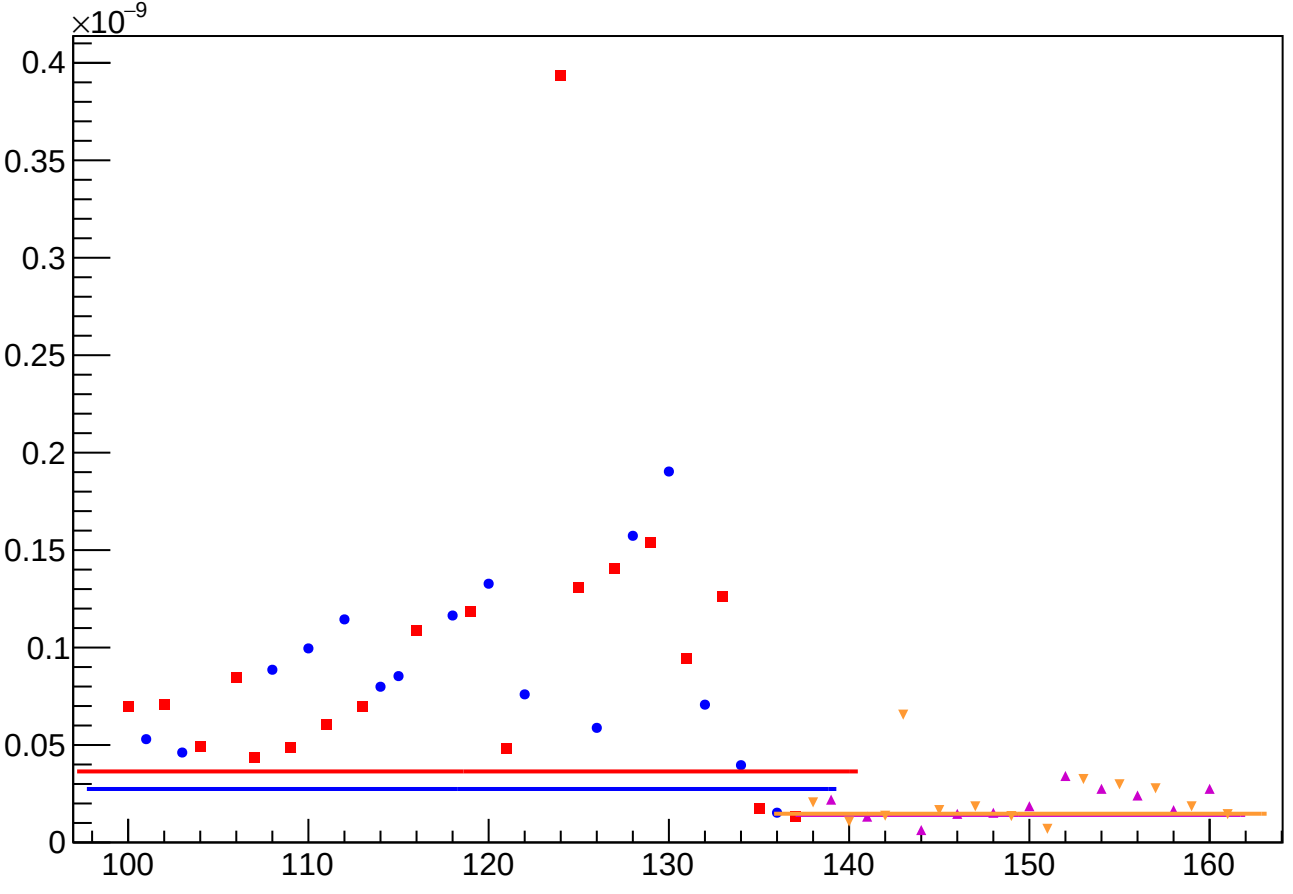
Left In: 0.000+/-0.000 χ^2/NDF:8.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 28.5/28

All: -0.000+/-0.000 χ^2/NDF: 55.3/58

- sign 0.000+/-0.000 χ^2/NDF: 24.8/29

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1491944.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

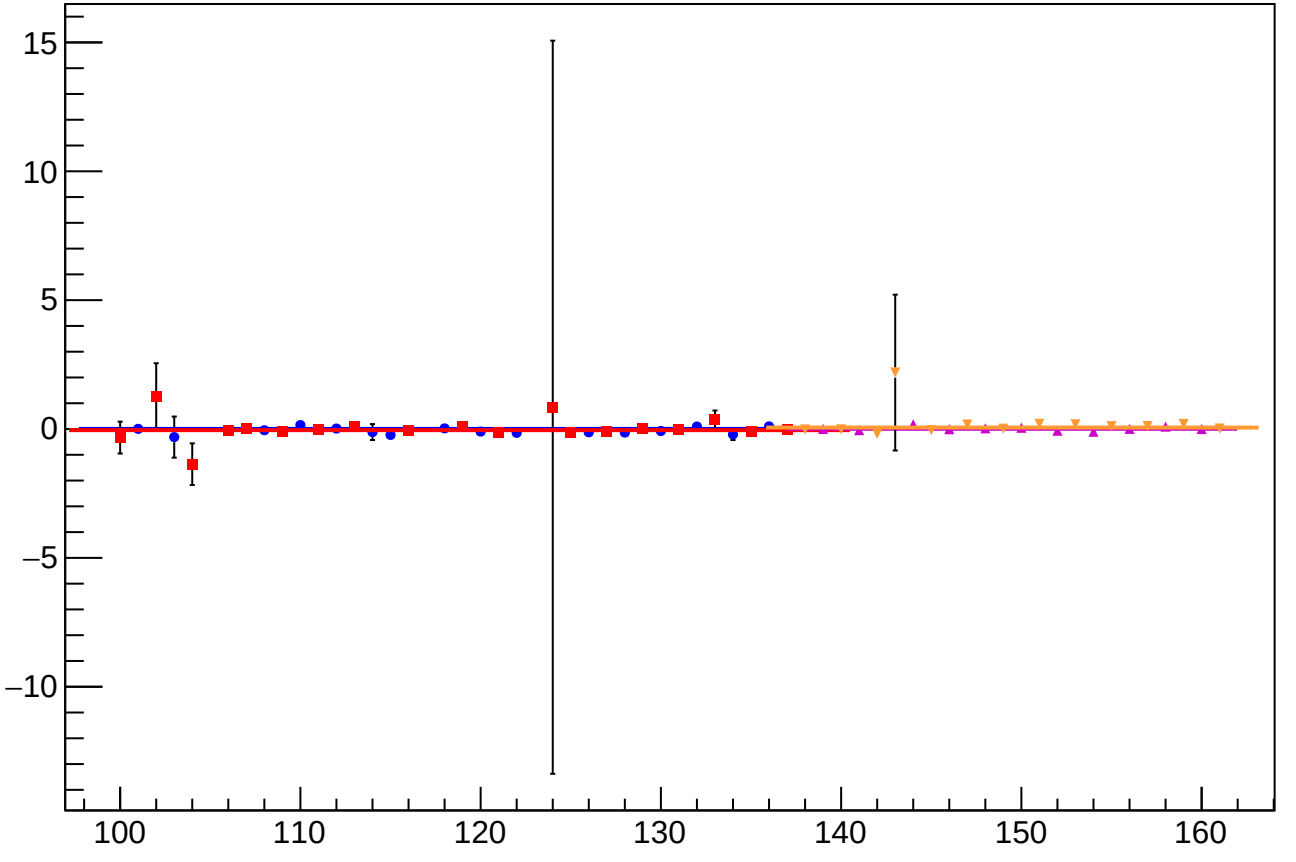
Left In: 0.000+/-0.000 χ^2/NDF:1536316.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 4798096.5/28

All: 0.000+/-0.000 χ^2/NDF: 9948640.2/58

- sign 0.000+/-0.000 χ^2/NDF: 5148737.2/29

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.057+/-0.023 χ^2/NDF:19.2/12

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

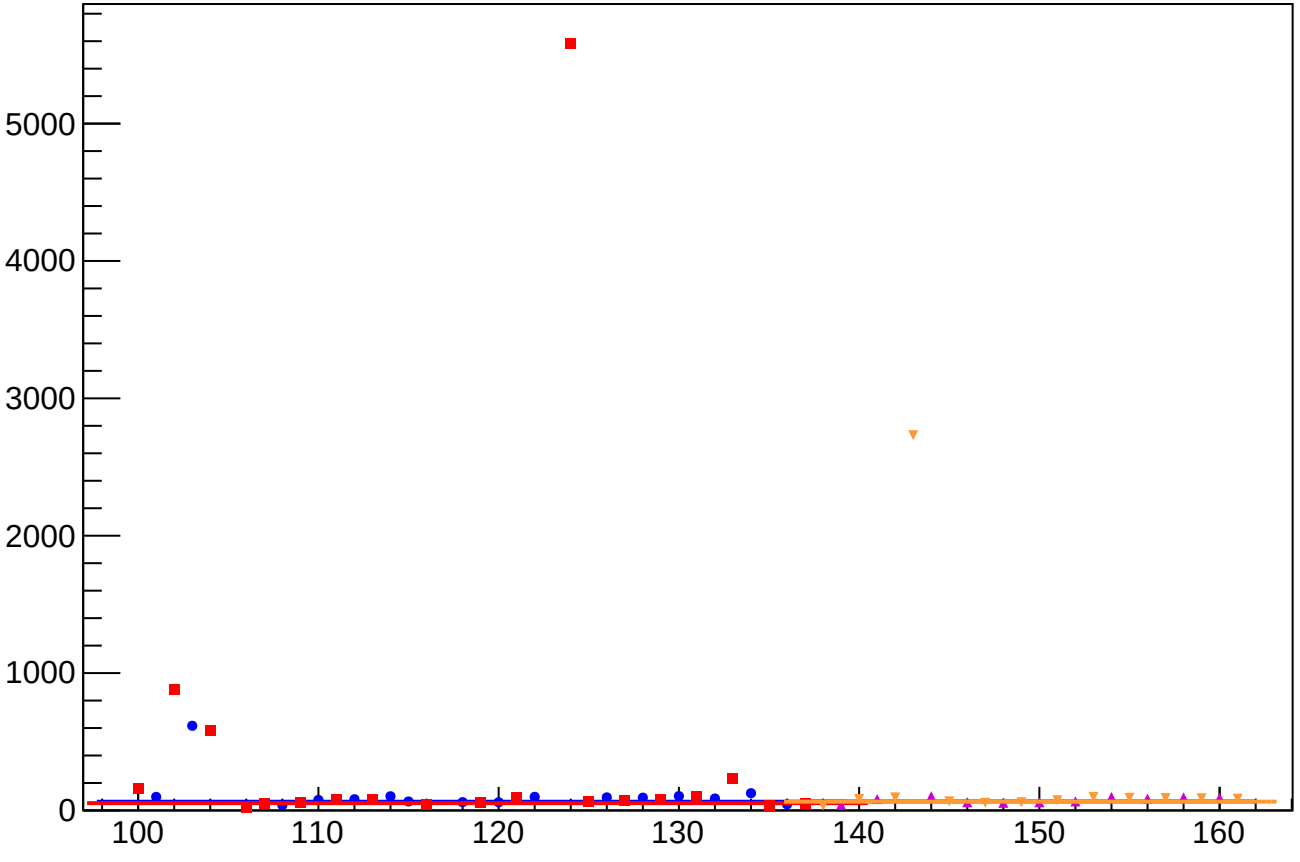
Left In: 0.008+/-0.023 χ^2/NDF:6.0/10

+ sign 0.035+/-0.017 χ^2/NDF: 34.8/28

All: 0.009+/-0.012 χ^2/NDF: 60.1/58

- sign -0.016+/-0.017 χ^2/NDF: 21.0/29

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 64.117+/-0.016 χ^2/NDF:3367706.6/12

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

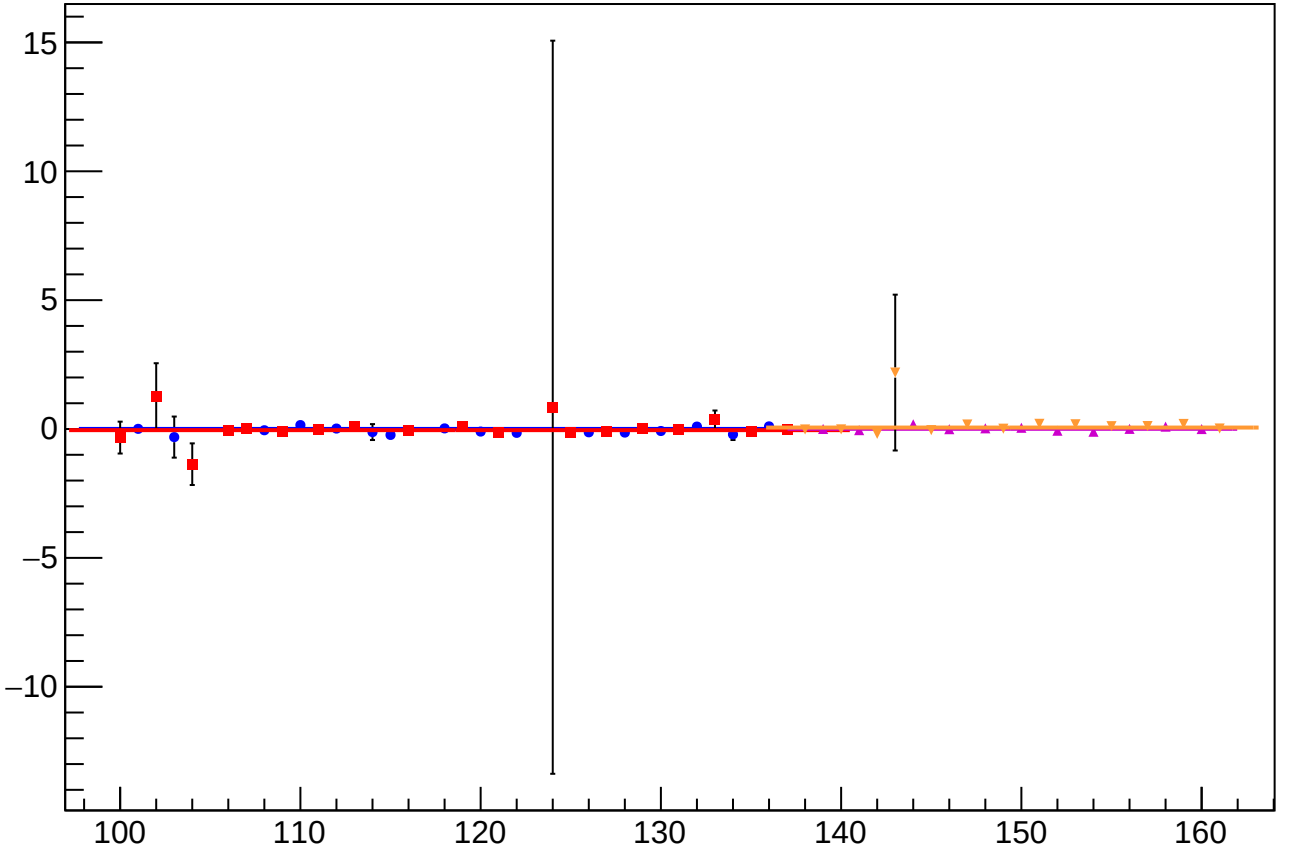
Left In: 65.814+/-0.016 χ^2/NDF:1469512.6/10

+ sign 63.843+/-0.012 χ^2/NDF: 5813658.9/28

All: 61.823+/-0.009 χ^2/NDF: 11555124.2/58

- sign 59.916+/-0.012 χ^2/NDF: 5689548.6/29

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: 0.057+/-0.023 χ^2/NDF:19.2/12

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

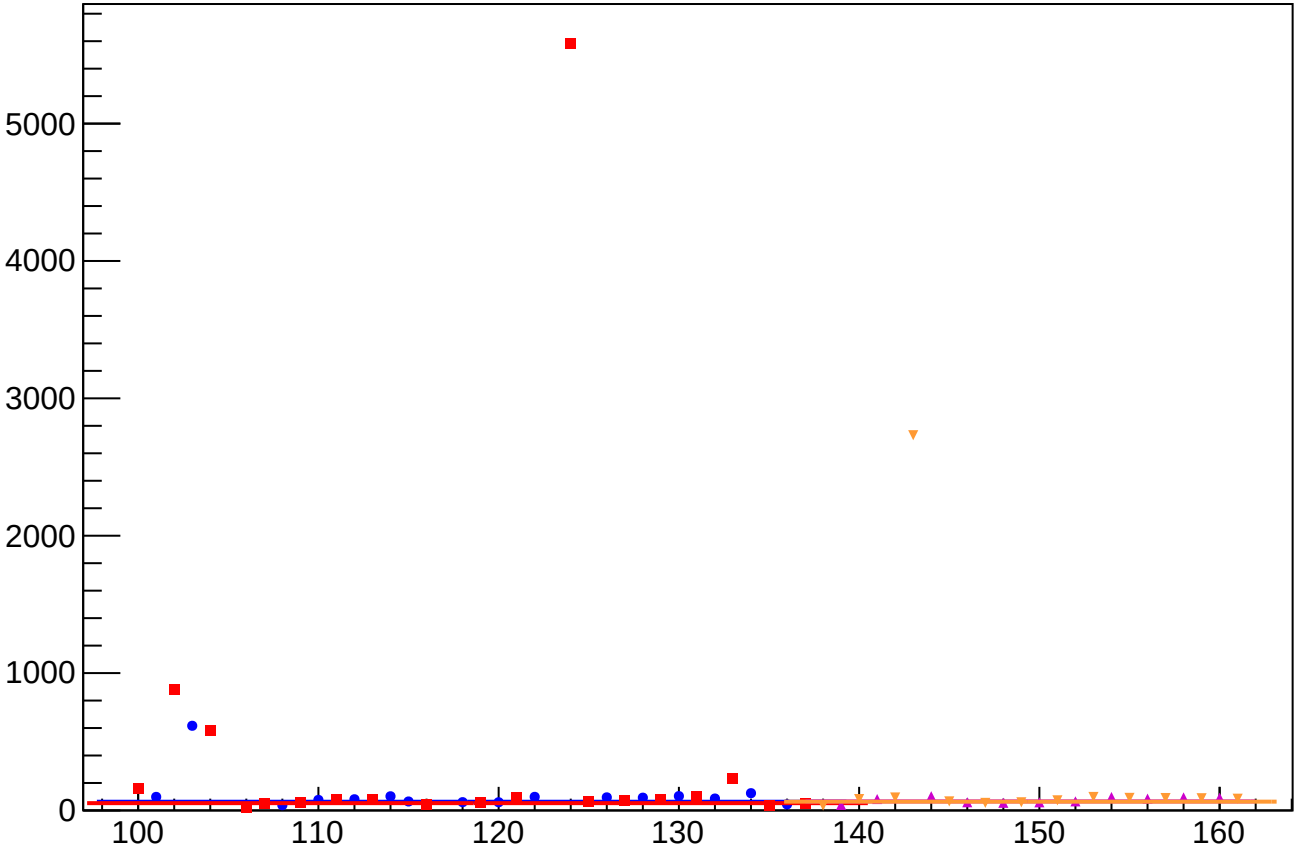
Left In: 0.008+/-0.023 χ^2/NDF:6.0/10

+ sign 0.035+/-0.017 χ^2/NDF: 34.8/28

All: 0.009+/-0.012 χ^2/NDF: 60.1/58

- sign -0.016+/-0.017 χ^2/NDF: 21.0/29

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: 64.117+/-0.016 χ^2/NDF:3367706.6/12

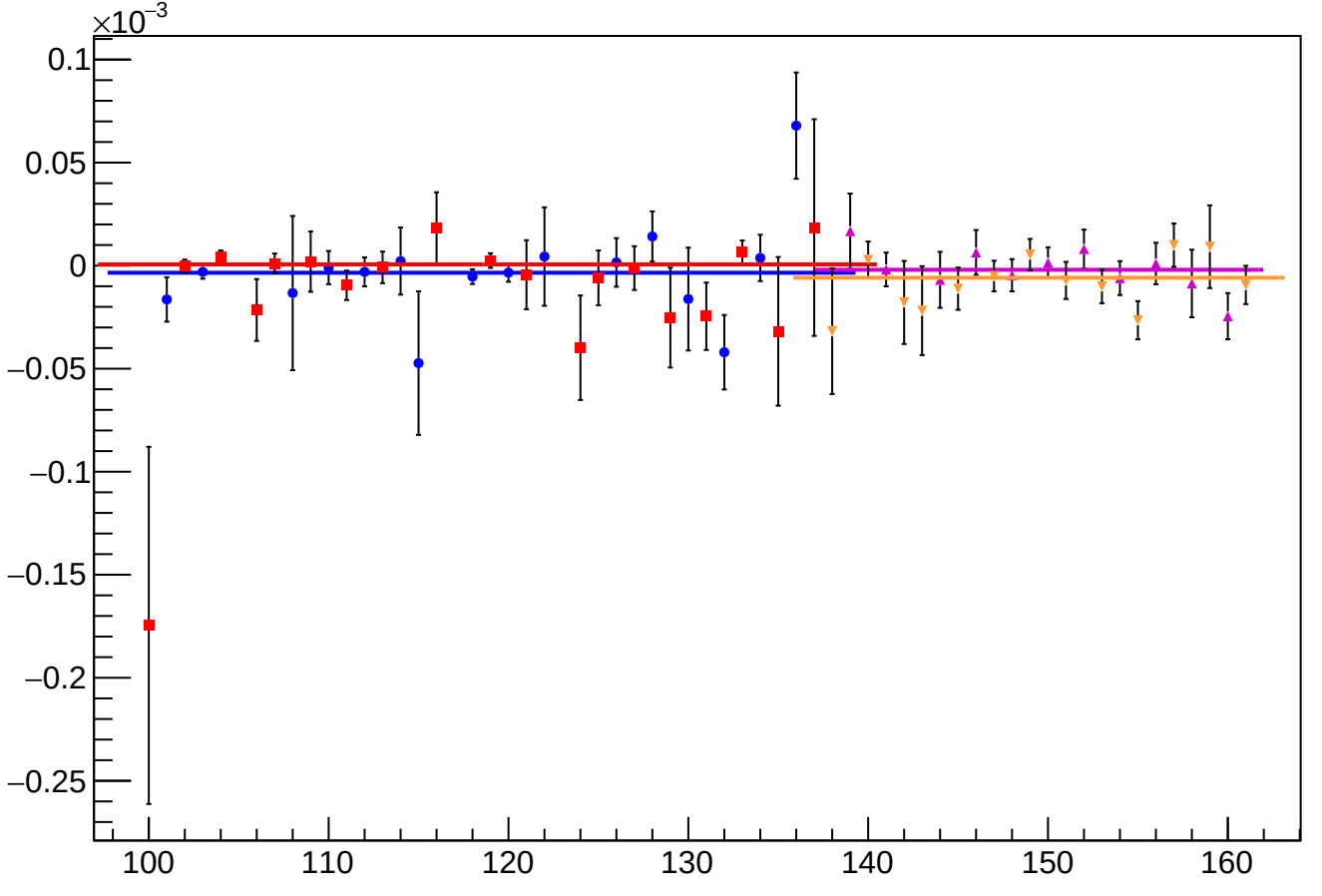
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 65.814+/-0.016 χ^2/NDF:1469512.6/10

+ sign 63.843+/-0.012 χ^2/NDF: 5813658.9/28

All: 61.823+/-0.009 χ^2/NDF: 11555124.2/58

- sign 59.916+/-0.012 χ^2/NDF: 5689548.6/29



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

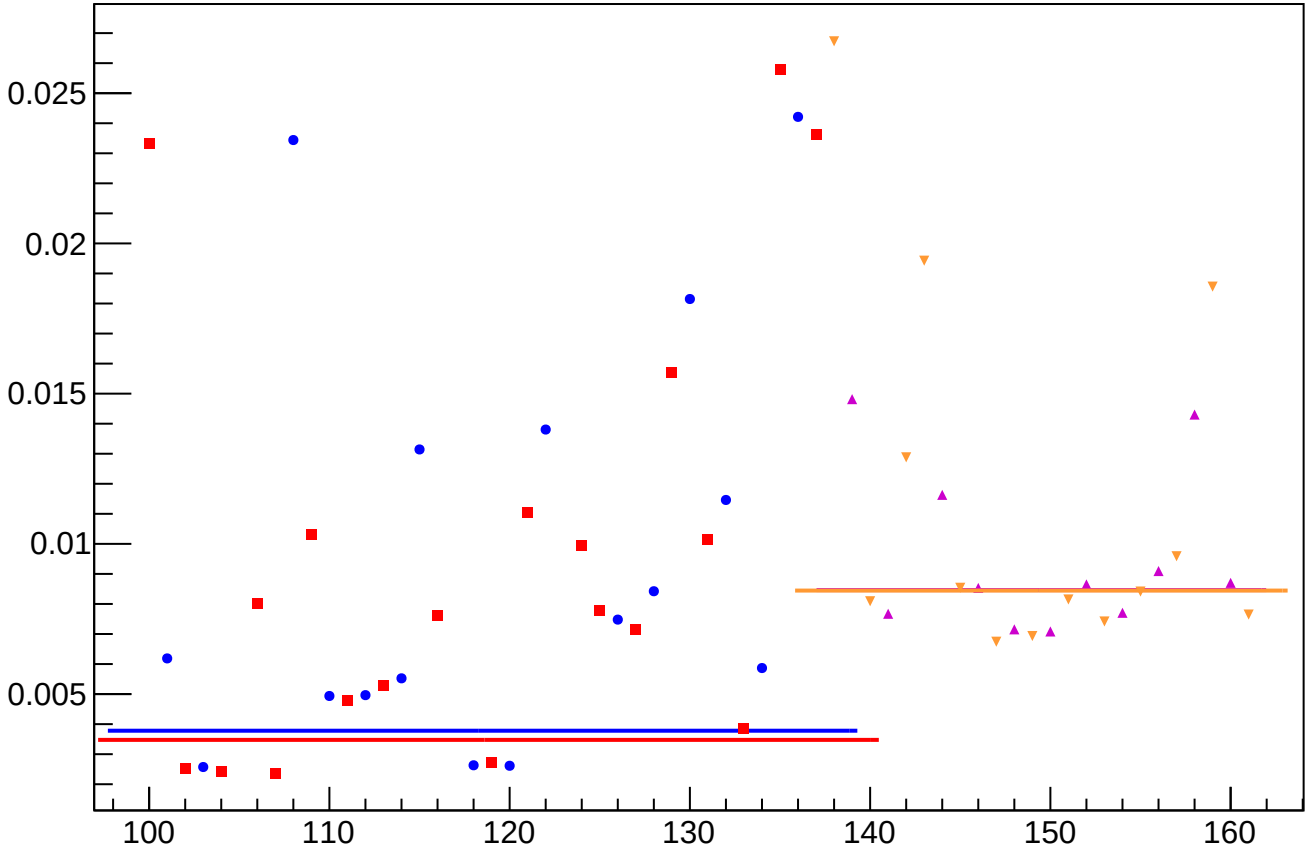
Left In: -0.000+/-0.000 χ^2/NDF:7.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/28

All: -0.000+/-0.000 χ^2/NDF: 64.4/58

- sign 0.000+/-0.000 χ^2/NDF: 27.6/29

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2101191.1/12

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

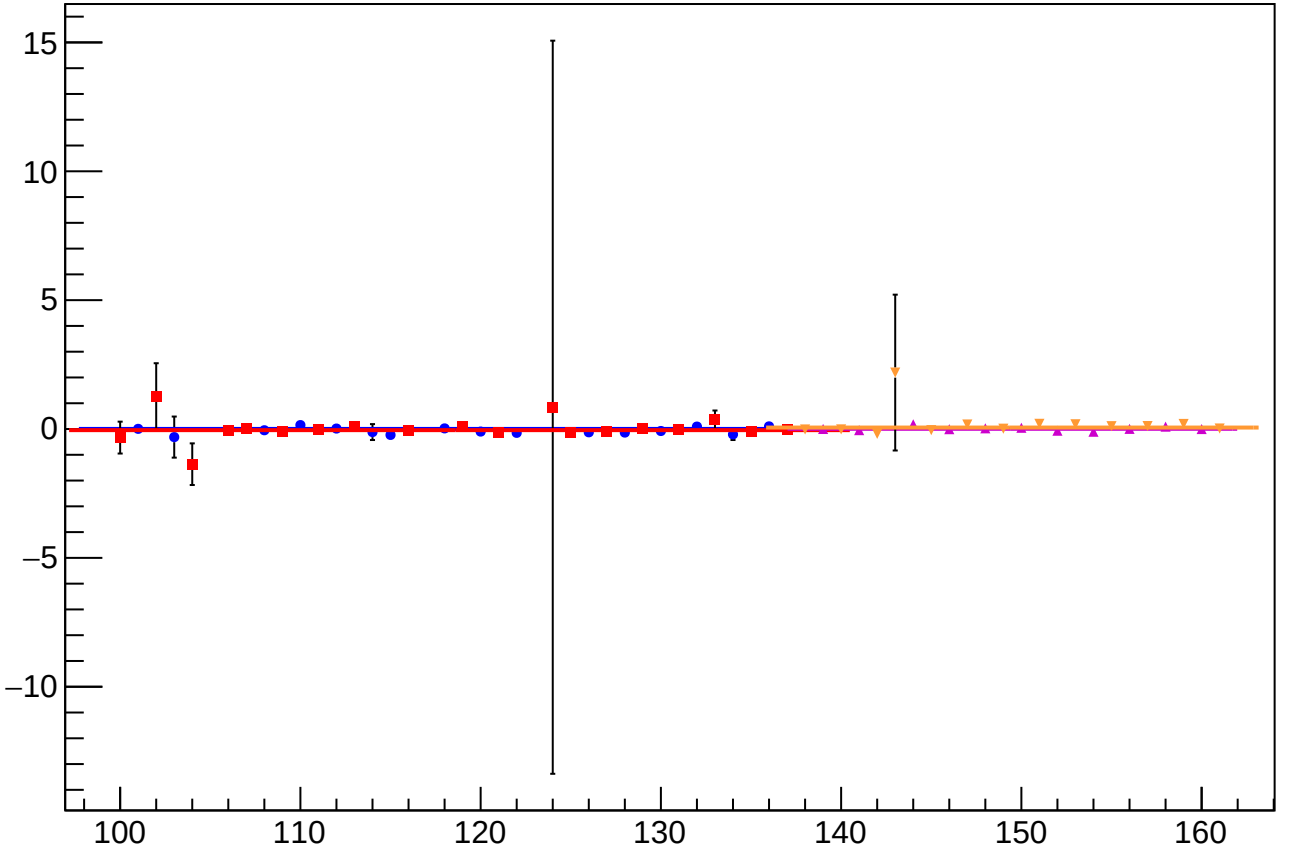
Left In: 0.008+/-0.000 χ^2/NDF:773929.5/10

+ sign 0.005+/-0.000 χ^2/NDF: 10671913.6/28

All: 0.005+/-0.000 χ^2/NDF: 20568075.5/58

- sign 0.005+/-0.000 χ^2/NDF: 9715645.4/29

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: 0.057+/-0.023 χ^2/NDF:19.2/12

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

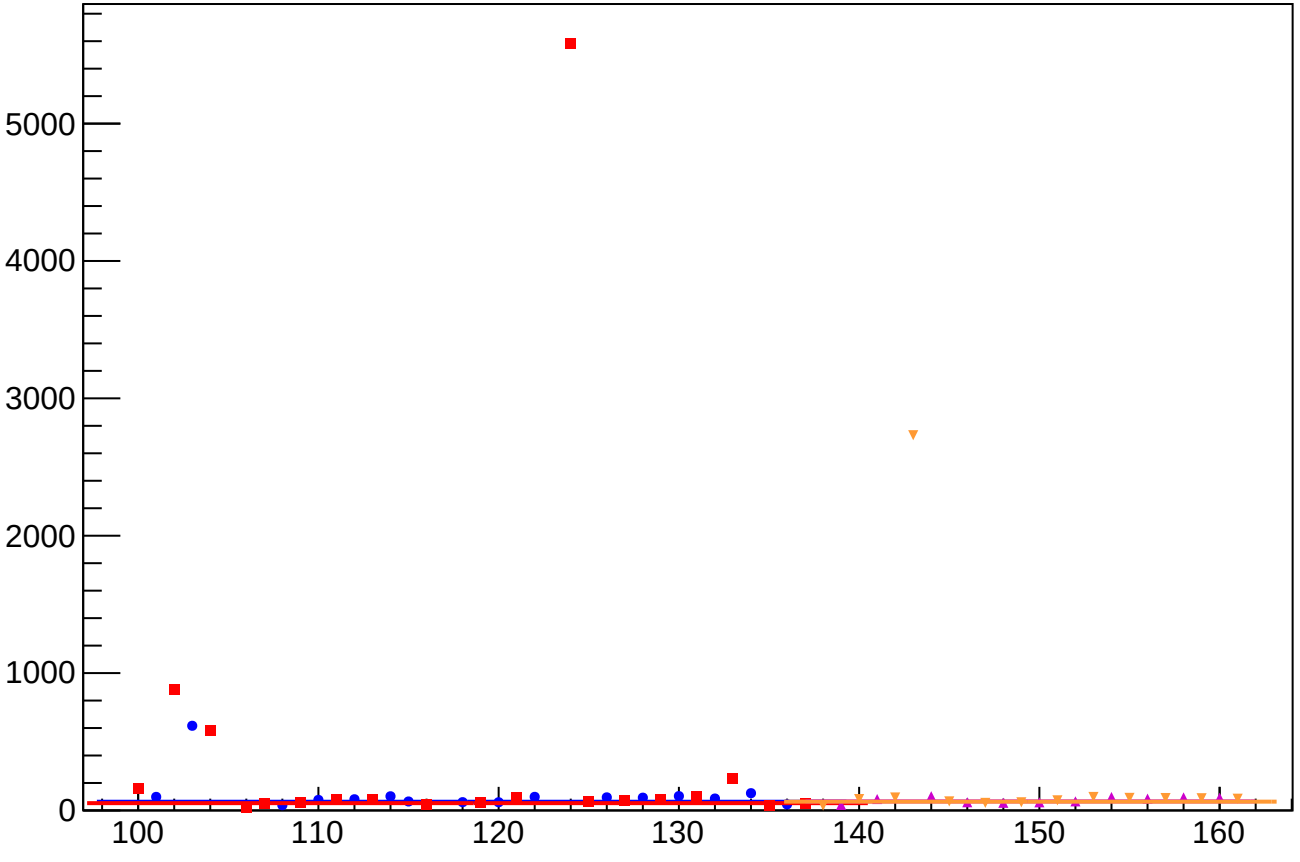
Left In: 0.008+/-0.023 χ^2/NDF:6.0/10

+ sign 0.035+/-0.017 χ^2/NDF: 34.8/28

All: 0.009+/-0.012 χ^2/NDF: 60.1/58

- sign -0.016+/-0.017 χ^2/NDF: 21.0/29

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: 64.115+/-0.016 χ^2/NDF:3367790.6/12

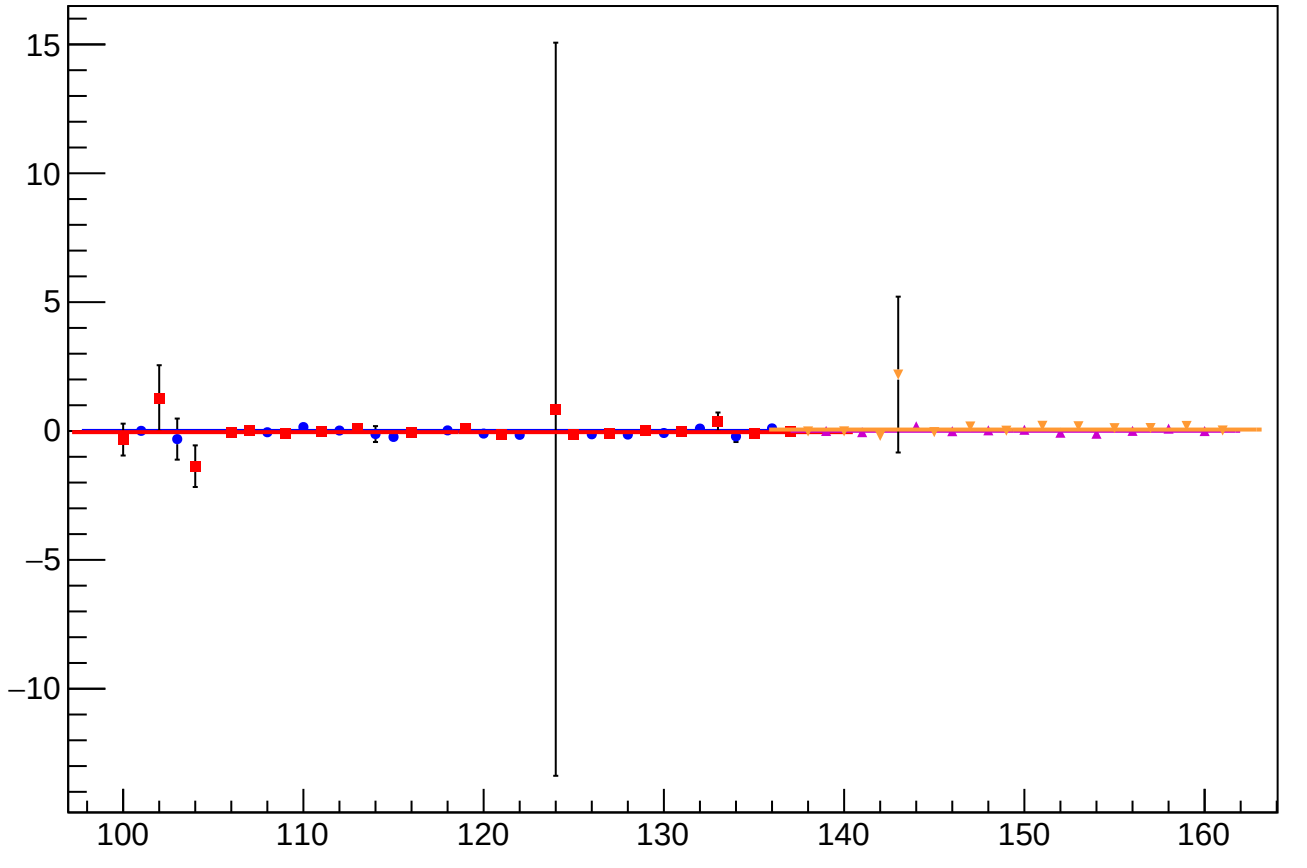
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 65.817+/-0.016 χ^2/NDF:1469122.0/10

+ sign 63.846+/-0.012 χ^2/NDF: 5812822.3/28

All: 61.823+/-0.009 χ^2/NDF: 11554922.3/58

- sign 59.915+/-0.012 χ^2/NDF: 5690088.9/29



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.057+/-0.023 χ^2/NDF:19.2/12

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

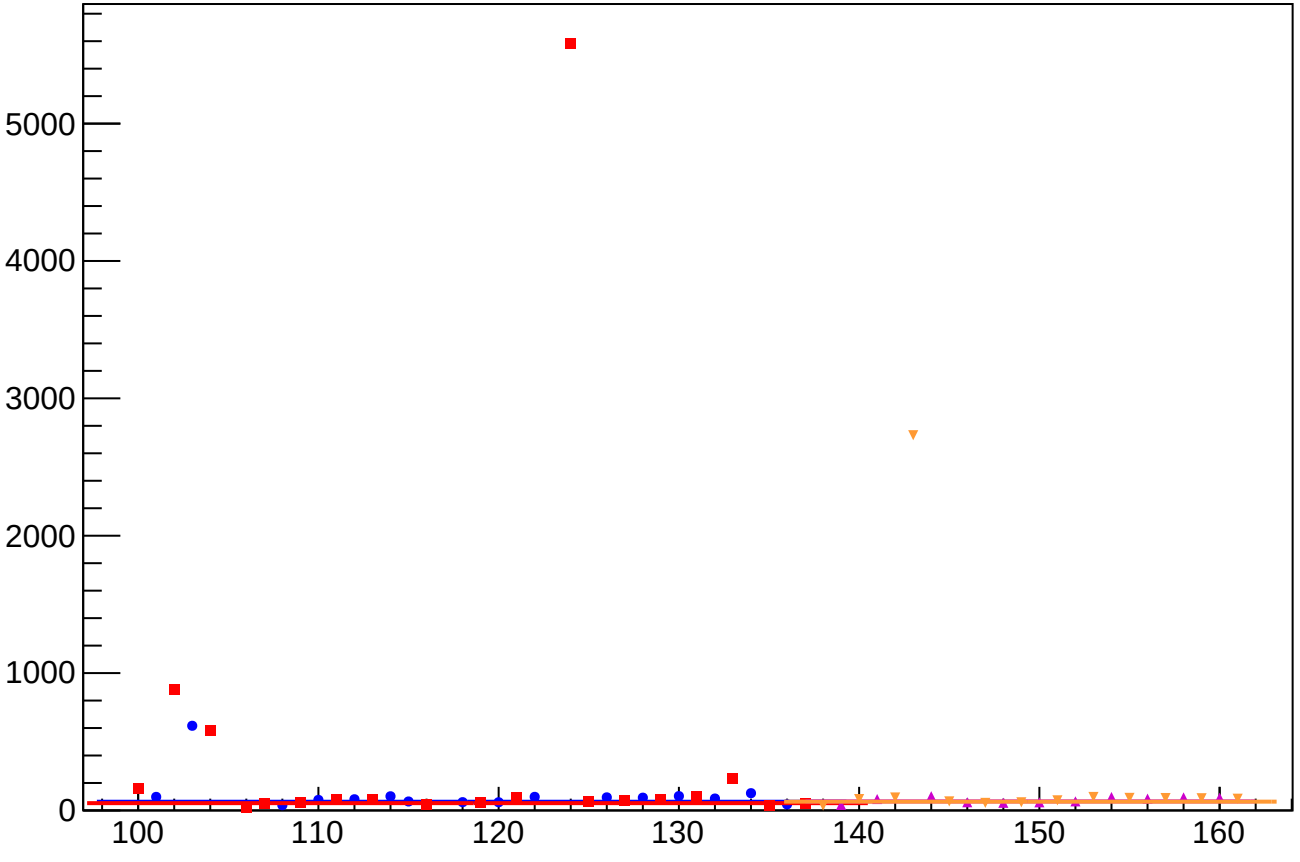
Left In: 0.008+/-0.023 χ^2/NDF:6.0/10

+ sign 0.035+/-0.017 χ^2/NDF: 34.8/28

All: 0.009+/-0.012 χ^2/NDF: 60.1/58

- sign -0.016+/-0.017 χ^2/NDF: 21.0/29

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: 64.115+/-0.016 χ^2/NDF:3367790.6/12

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

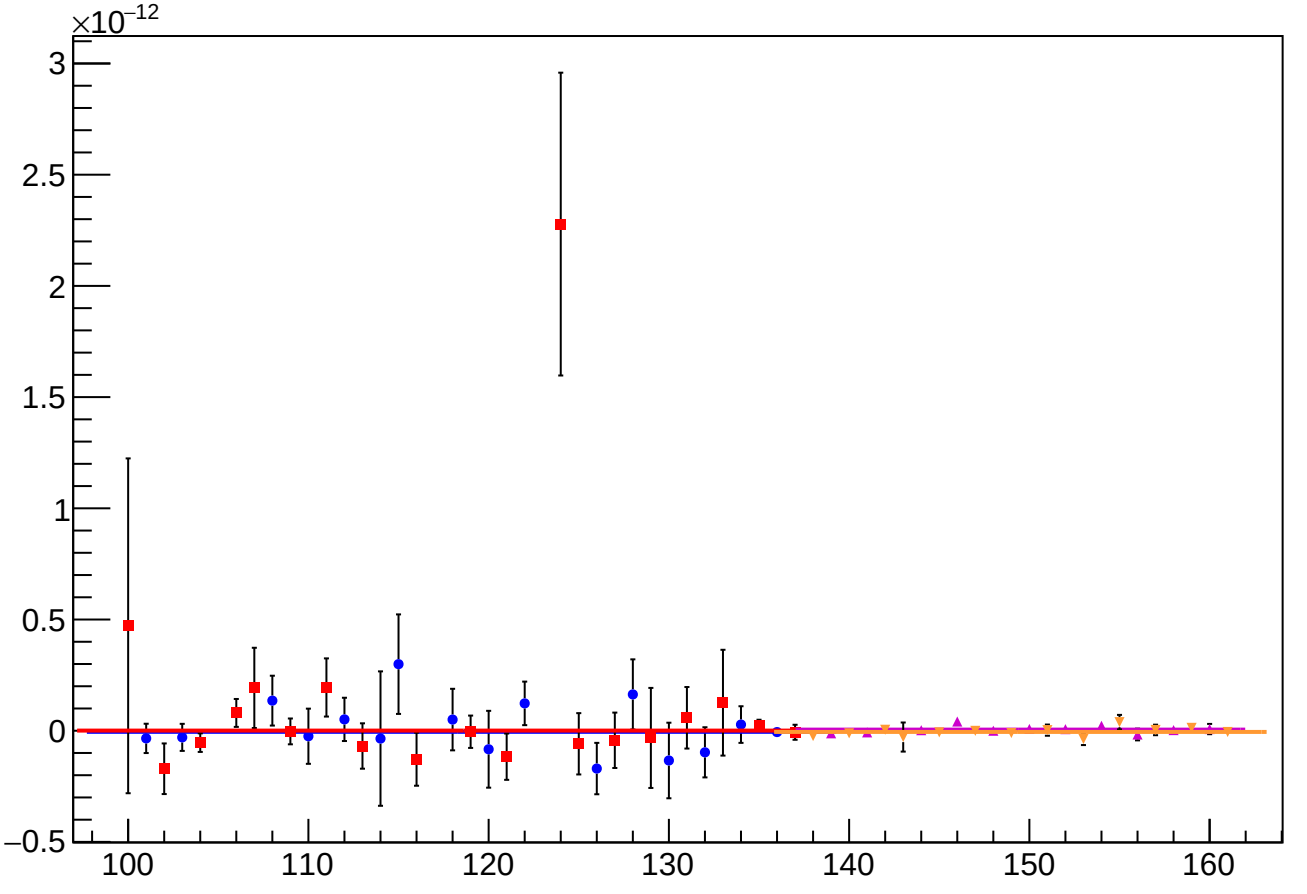
Left In: 65.817+/-0.016 χ^2/NDF:1469122.0/10

+ sign 63.846+/-0.012 χ^2/NDF: 5812822.3/28

All: 61.823+/-0.009 χ^2/NDF: 11554922.3/58

- sign 59.915+/-0.012 χ^2/NDF: 5690088.9/29

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:7.4/12

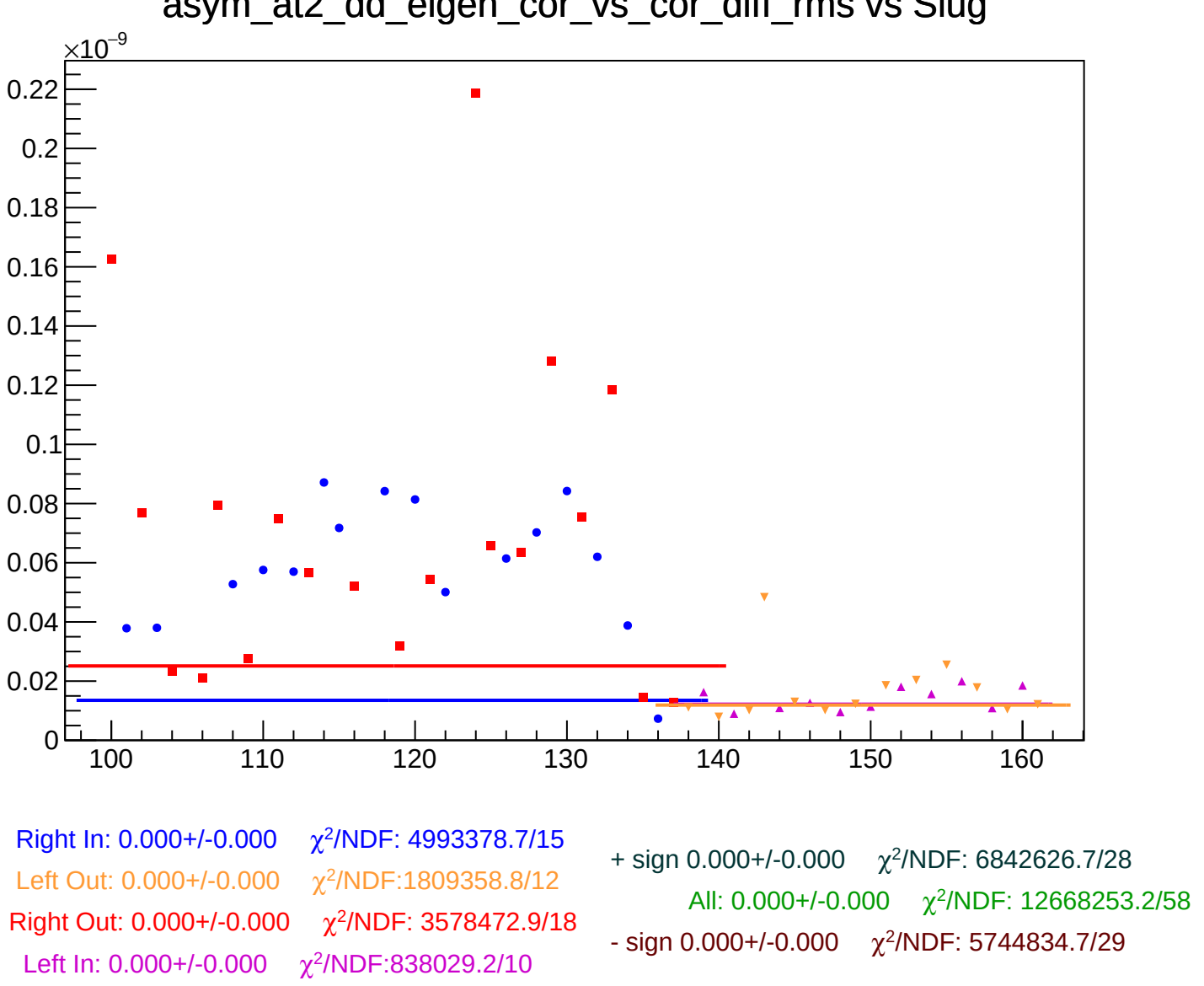
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/10

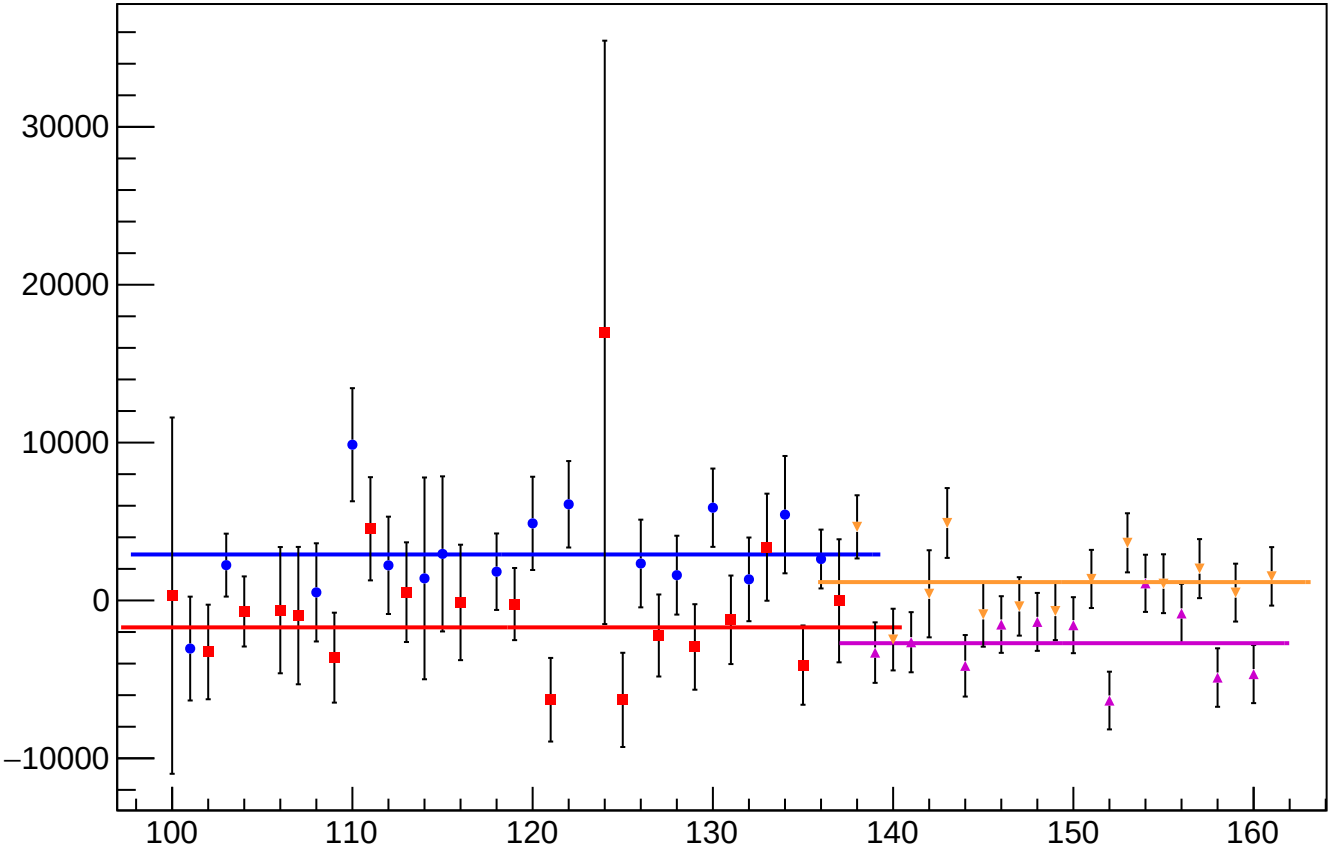
+ sign -0.000+/-0.000 χ^2/NDF: 18.2/28

All: -0.000+/-0.000 χ^2/NDF: 54.0/58

- sign 0.000+/-0.000 χ^2/NDF: 33.5/29


asym_at2_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
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 4993378.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1809358.8/12
Right Out: 0.000+/-0.000 χ²/NDF: 3578472.9/18
Left In: 0.000+/-0.000 χ²/NDF:838029.2/10
+ sign 0.000+/-0.000 χ²/NDF: 6842626.7/28
All: 0.000+/-0.000 χ²/NDF: 12668253.2/58
- sign 0.000+/-0.000 χ²/NDF: 5744834.7/29

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1162.562+/-541.105 χ^2/NDF:14.3/12

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

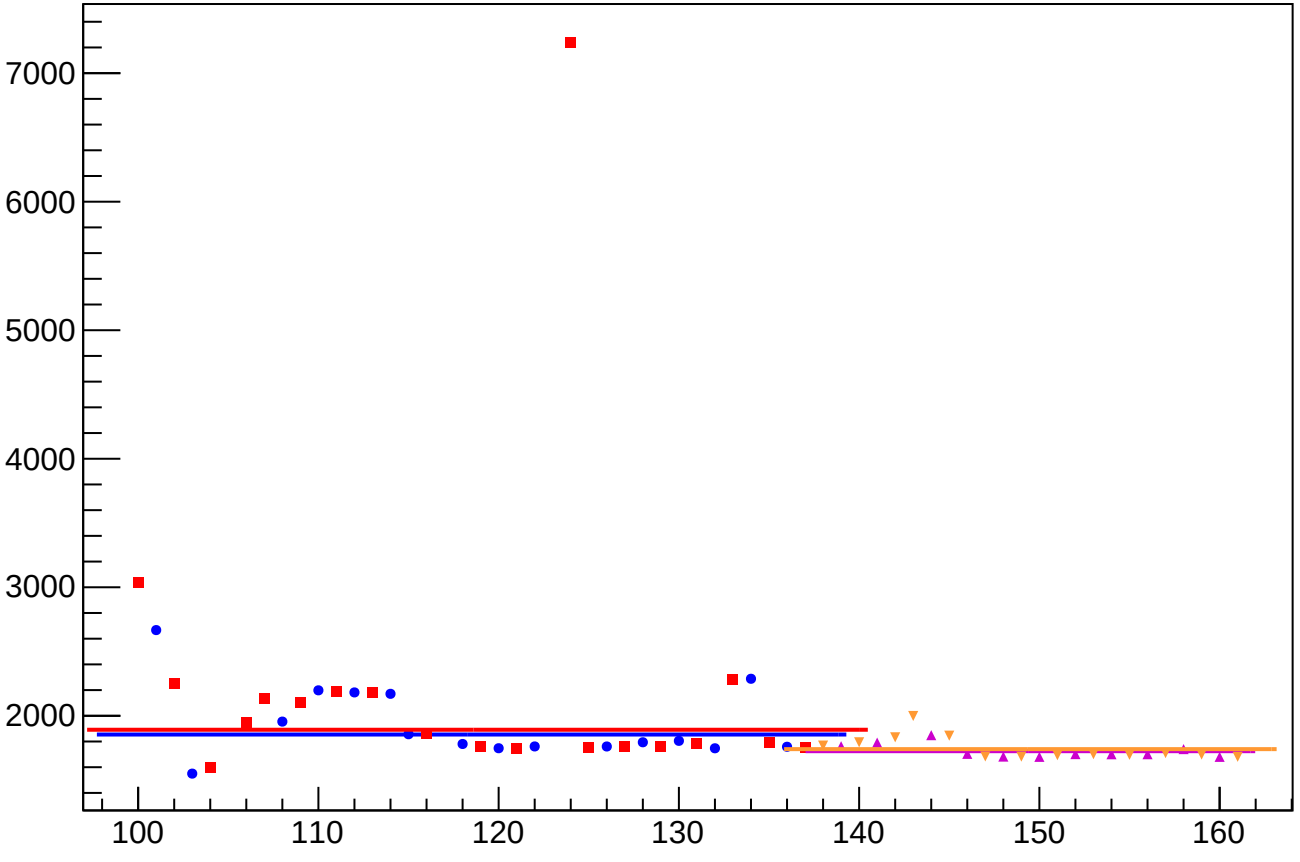
Left In: -2707.423+/-558.064 χ^2/NDF:13.9/10

+ sign 1823.101+/-426.973 χ^2/NDF: 30.7/28

All: -196.816+/-305.742 χ^2/NDF: 107.6/58

- sign -2322.473+/-438.006 χ^2/NDF: 30.9/29

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1740.673+/-0.383 χ^2/NDF:47405.9/12

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

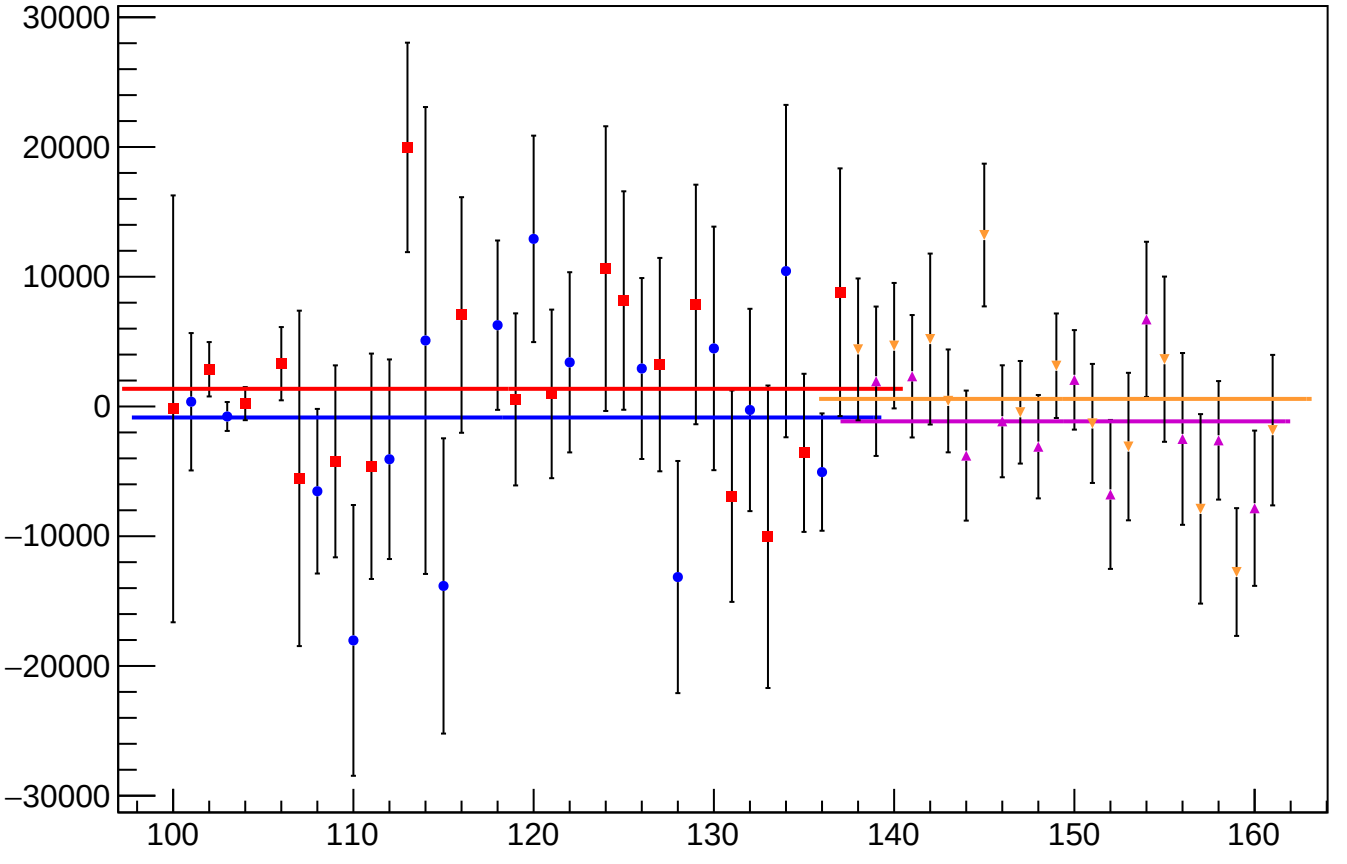
Left In: 1724.702+/-0.395 χ^2/NDF:16260.2/10

+ sign 1783.556+/-0.302 χ^2/NDF: 344016.4/28

All: 1786.173+/-0.216 χ^2/NDF: 793256.6/58

- sign 1788.921+/-0.309 χ^2/NDF: 449086.2/29

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 584.336+/-1394.312 χ^2/NDF:17.1/12

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

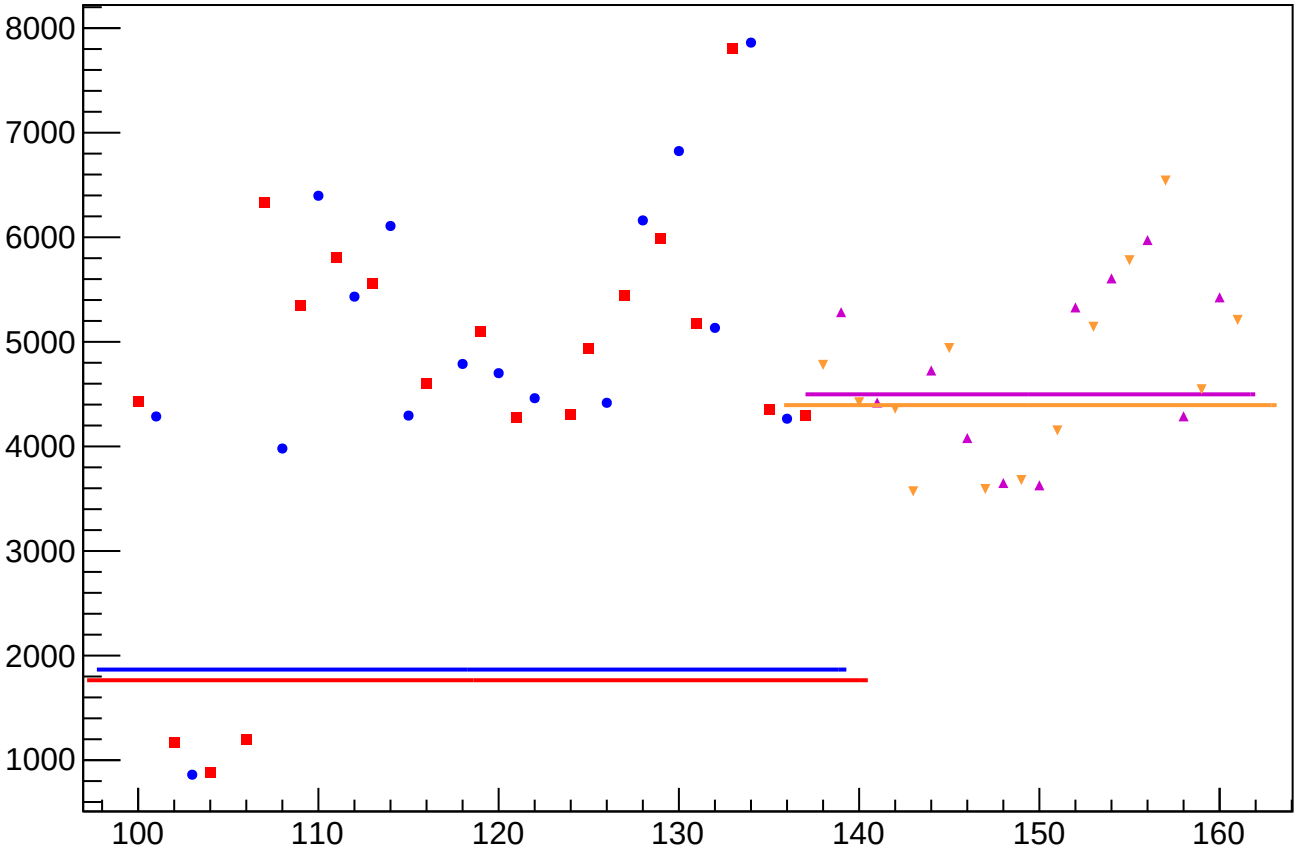
Left In: -1146.139+/-1480.062 χ^2/NDF:6.1/10

+ sign -385.451+/-792.336 χ^2/NDF: 31.7/28

All: 149.863+/-555.437 χ^2/NDF: 54.8/58

- sign 667.111+/-778.850 χ^2/NDF: 22.2/29

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4394.897+/-0.986 χ^2/NDF:610948.5/12

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

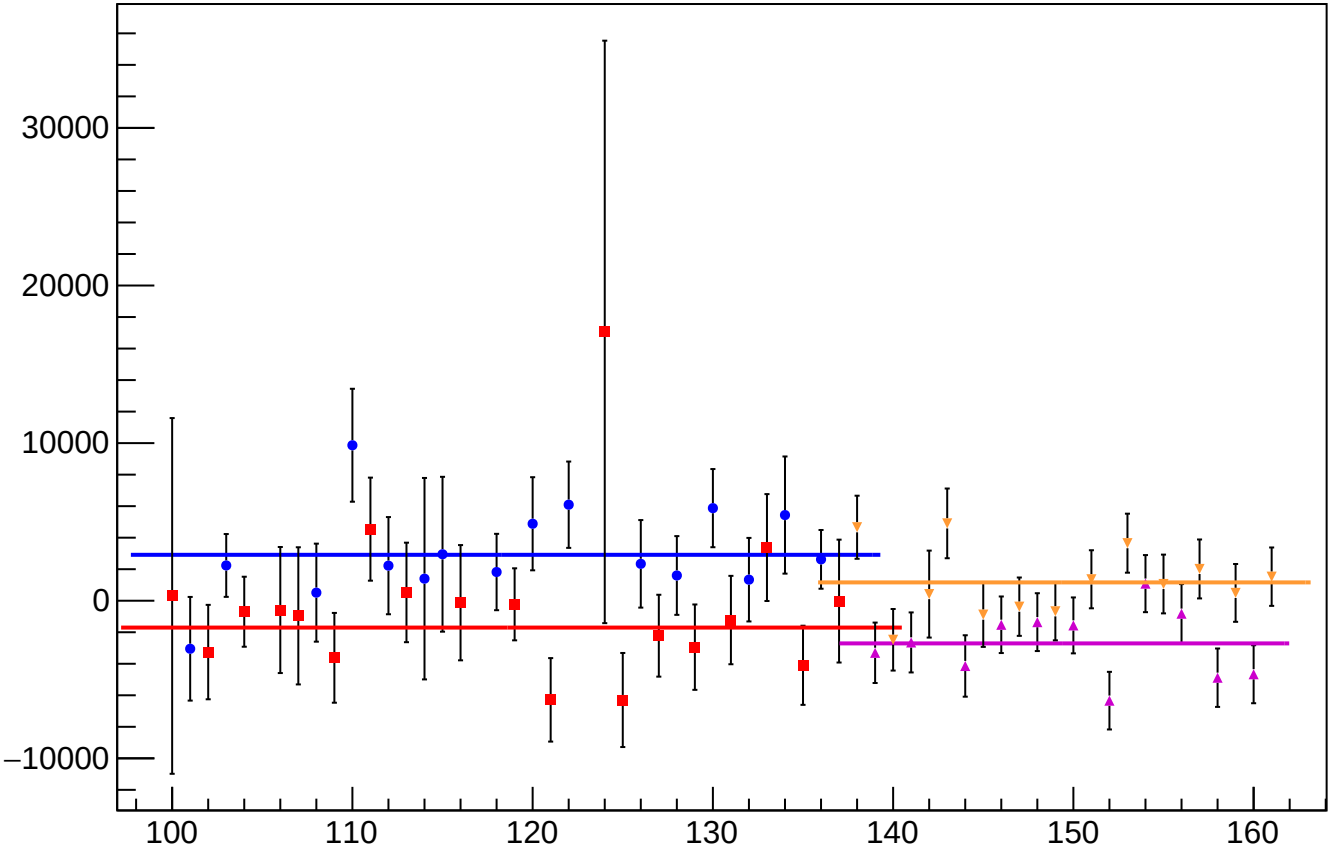
Left In: 4498.236+/-1.047 χ^2/NDF:516304.3/10

+ sign 2682.912+/-0.560 χ^2/NDF: 11913780.0/28

All: 2600.748+/-0.393 χ^2/NDF: 23841660.2/5

- sign 2521.358+/-0.551 χ^2/NDF: 11885592.9/29

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1162.401+/-541.105 χ^2/NDF:14.3/12

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

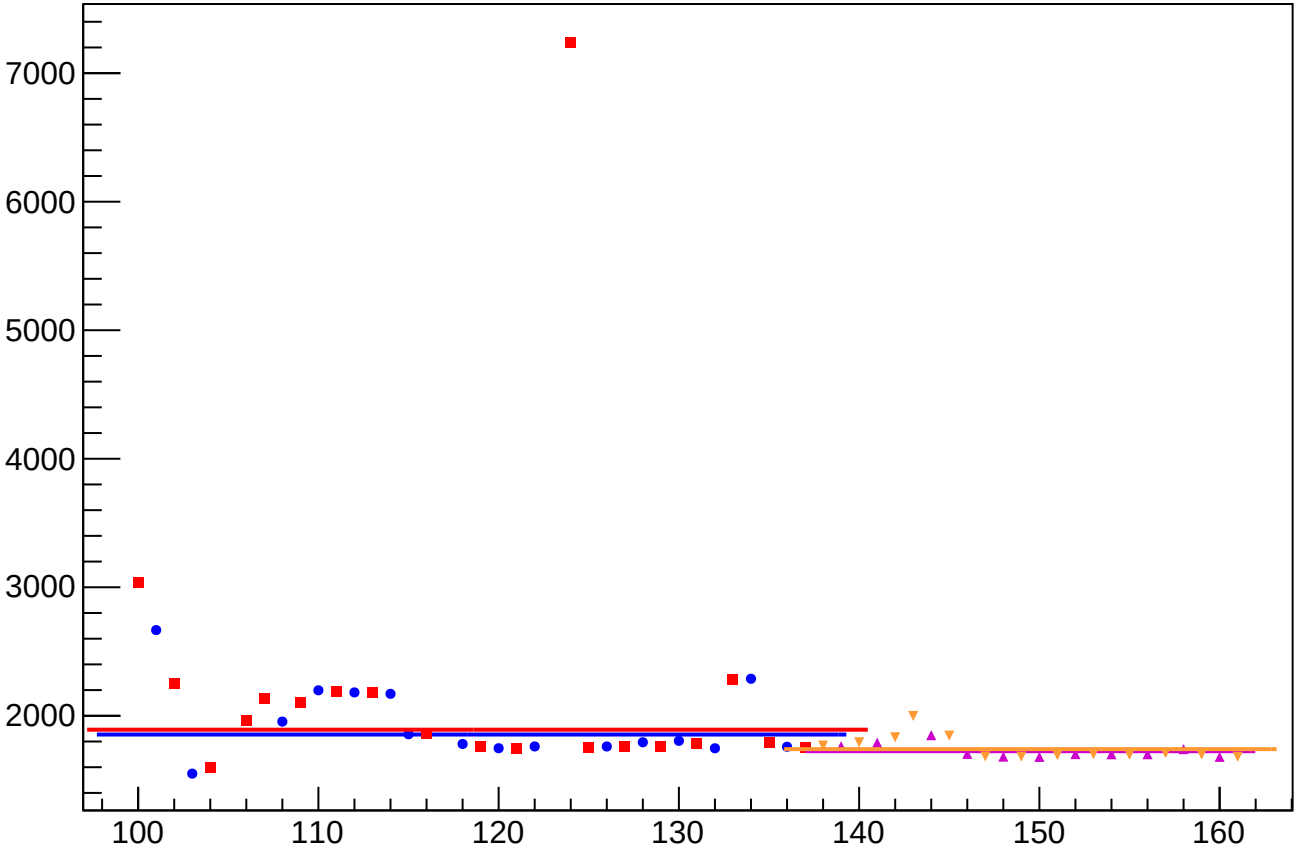
Left In: -2707.540+/-558.064 χ^2/NDF:13.9/10

+ sign 1823.039+/-426.973 χ^2/NDF: 30.7/28

All: -196.624+/-305.742 χ^2/NDF: 107.6/58

- sign -2322.016+/-438.007 χ^2/NDF: 31.0/29

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1740.673+/-0.383 χ^2/NDF:47405.9/12

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

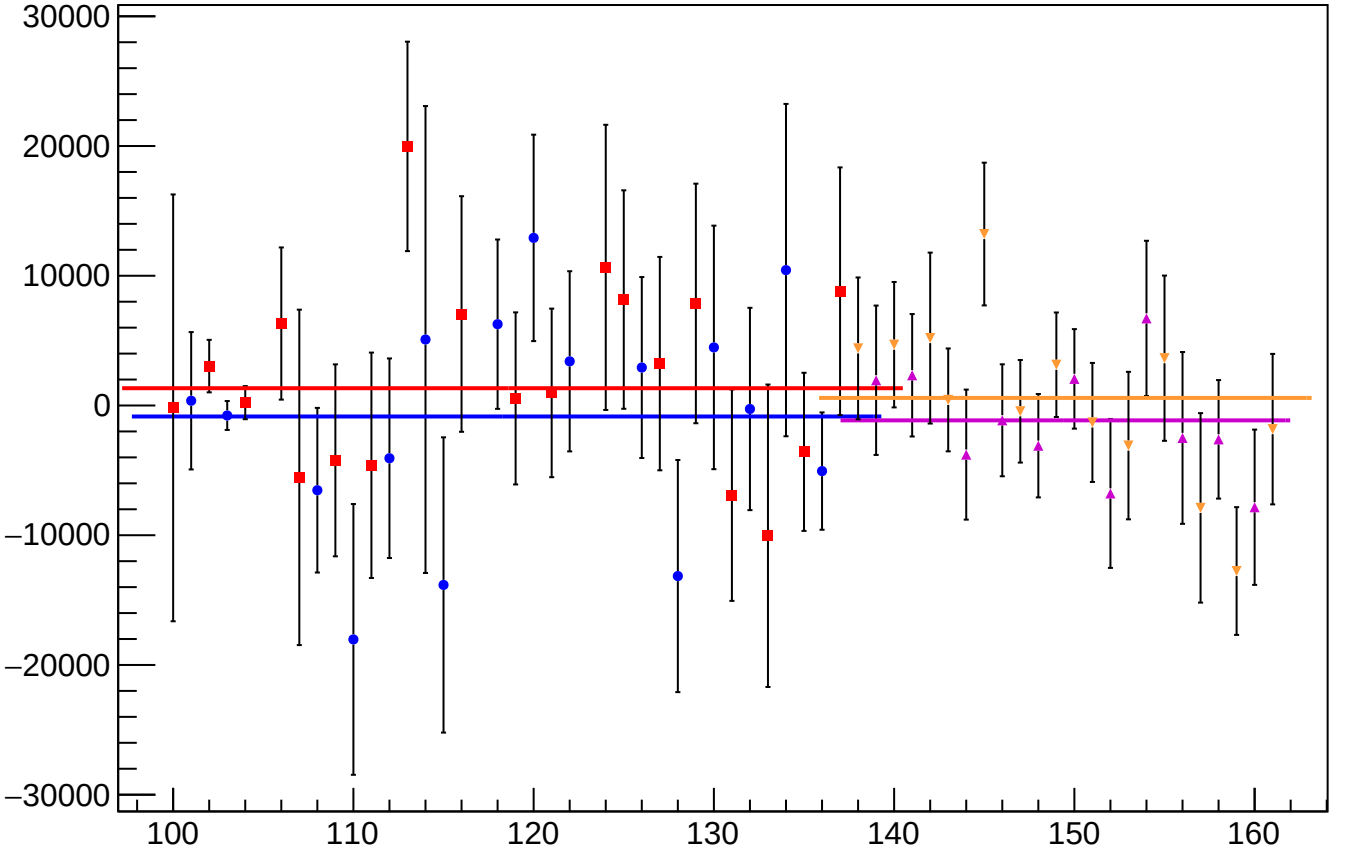
Left In: 1724.702+/-0.395 χ^2/NDF:16260.2/10

+ sign 1783.557+/-0.302 χ^2/NDF: 344016.3/28

All: 1786.250+/-0.216 χ^2/NDF: 793866.5/58

- sign 1789.079+/-0.309 χ^2/NDF: 449687.0/29

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 584.271+/-1394.311 χ^2/NDF:17.1/12

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

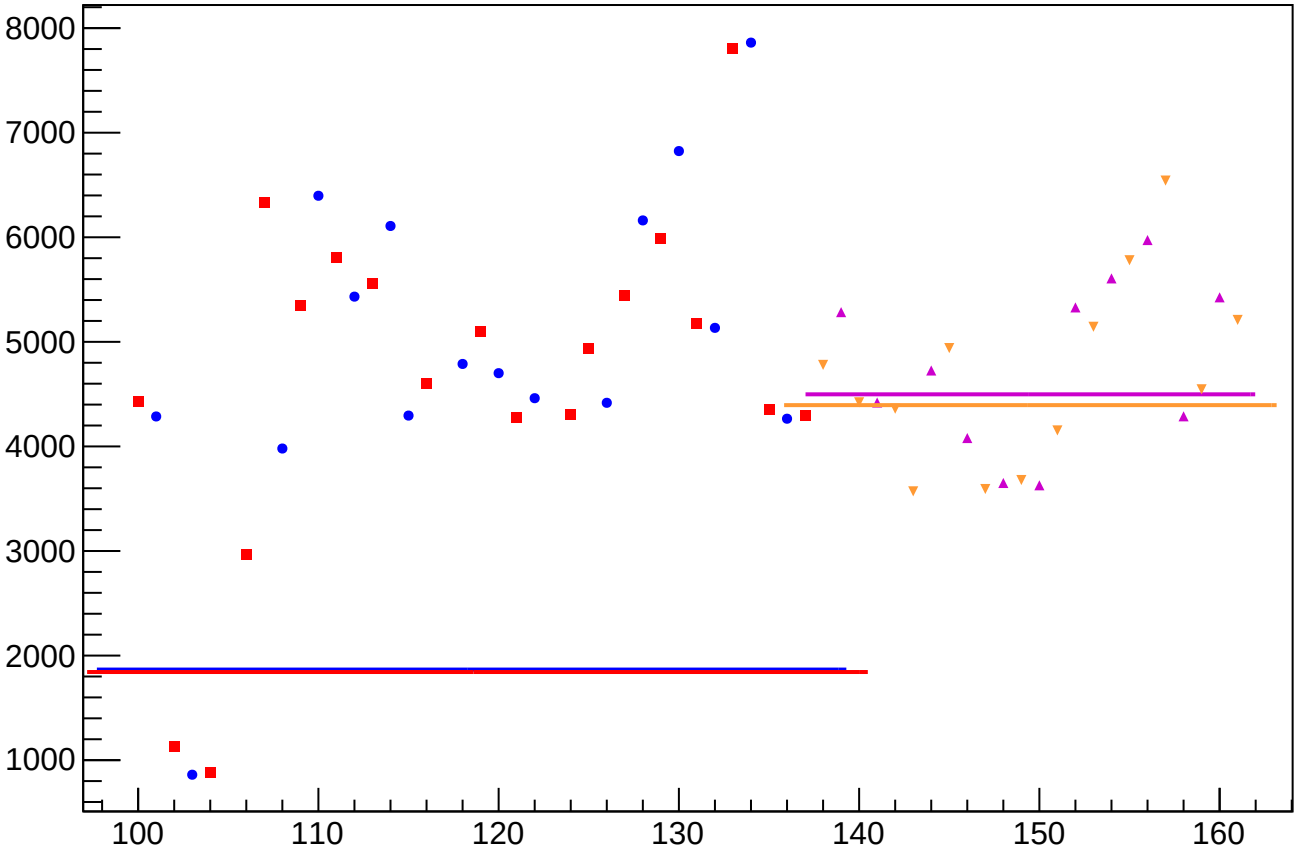
Left In: -1146.262+/-1480.062 χ^2/NDF:6.1/10

+ sign -385.185+/-792.306 χ^2/NDF: 31.7/28

All: 108.817+/-562.382 χ^2/NDF: 55.0/58

- sign 610.428+/-798.384 χ^2/NDF: 22.5/29

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4394.892+/-0.986 χ^2/NDF:610960.8/12

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

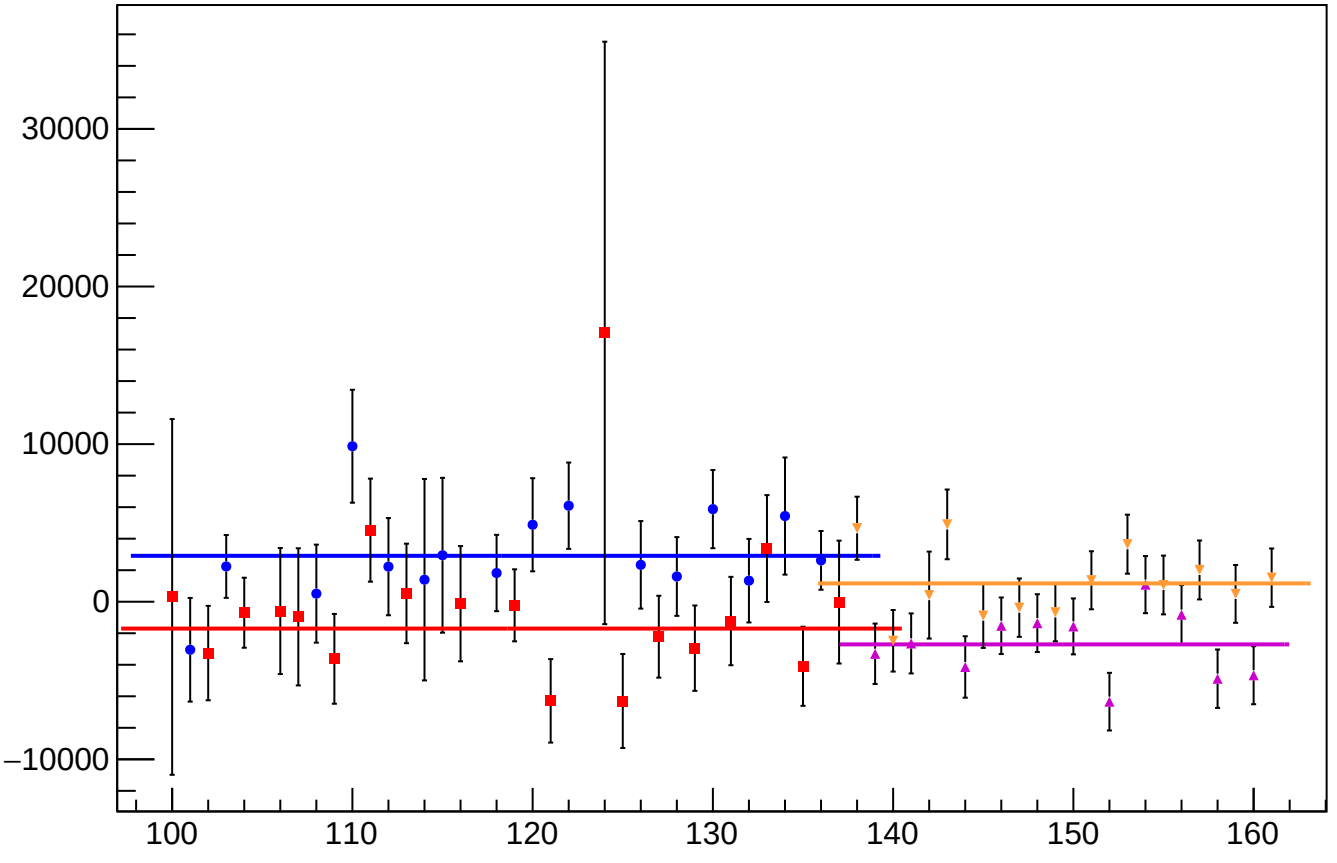
Left In: 4498.235+/-1.047 χ^2/NDF:516315.8/10

+ sign 2682.746+/-0.560 χ^2/NDF: 11914904.1/28

All: 2649.399+/-0.398 χ^2/NDF: 23461102.3/5

- sign 2615.538+/-0.565 χ^2/NDF: 11539057.8/29

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1162.401+/-541.105 χ^2/NDF:14.3/12

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

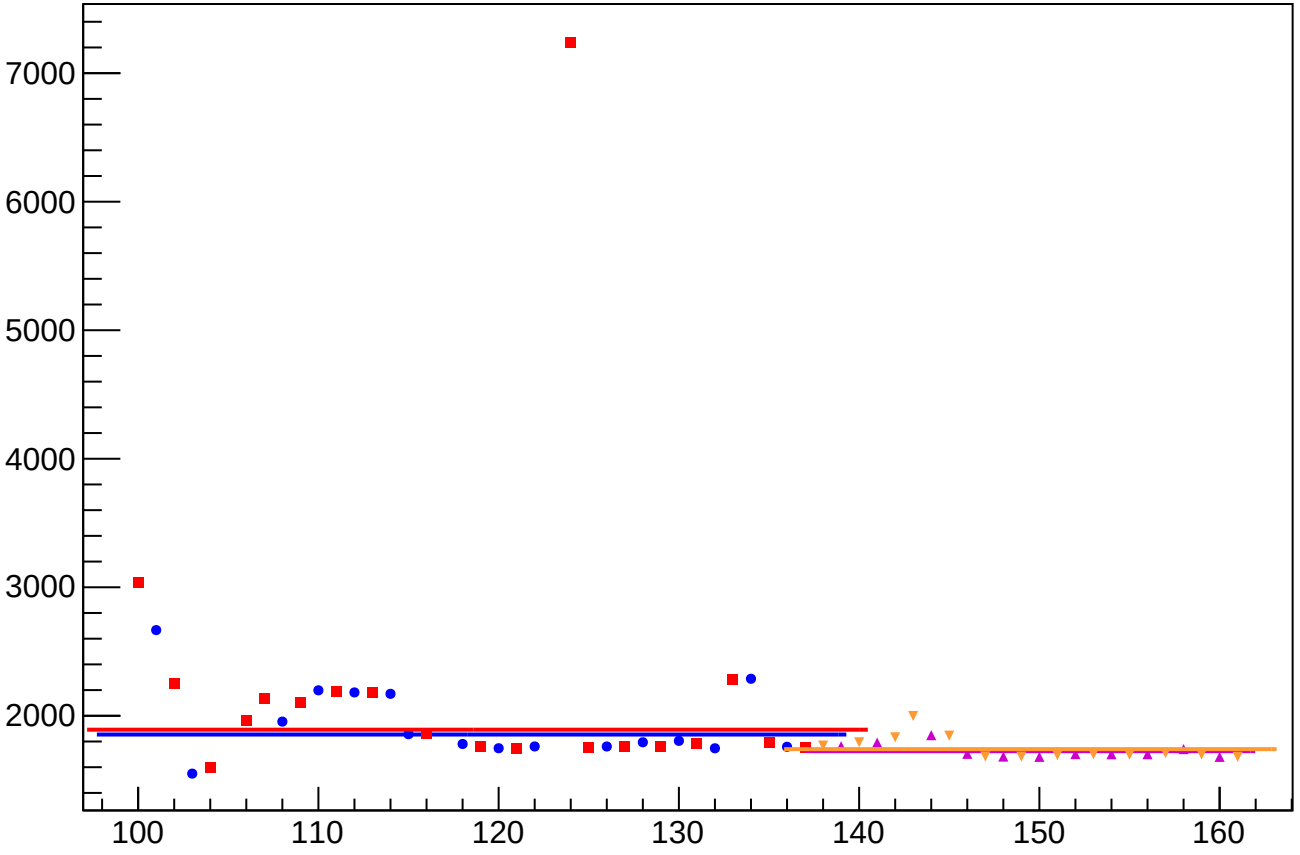
Left In: -2707.540+/-558.064 χ^2/NDF:13.9/10

+ sign 1823.039+/-426.973 χ^2/NDF: 30.7/28

All: -196.624+/-305.742 χ^2/NDF: 107.6/58

- sign -2322.016+/-438.007 χ^2/NDF: 31.0/29

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1740.673+/-0.383 χ^2/NDF:47405.9/12

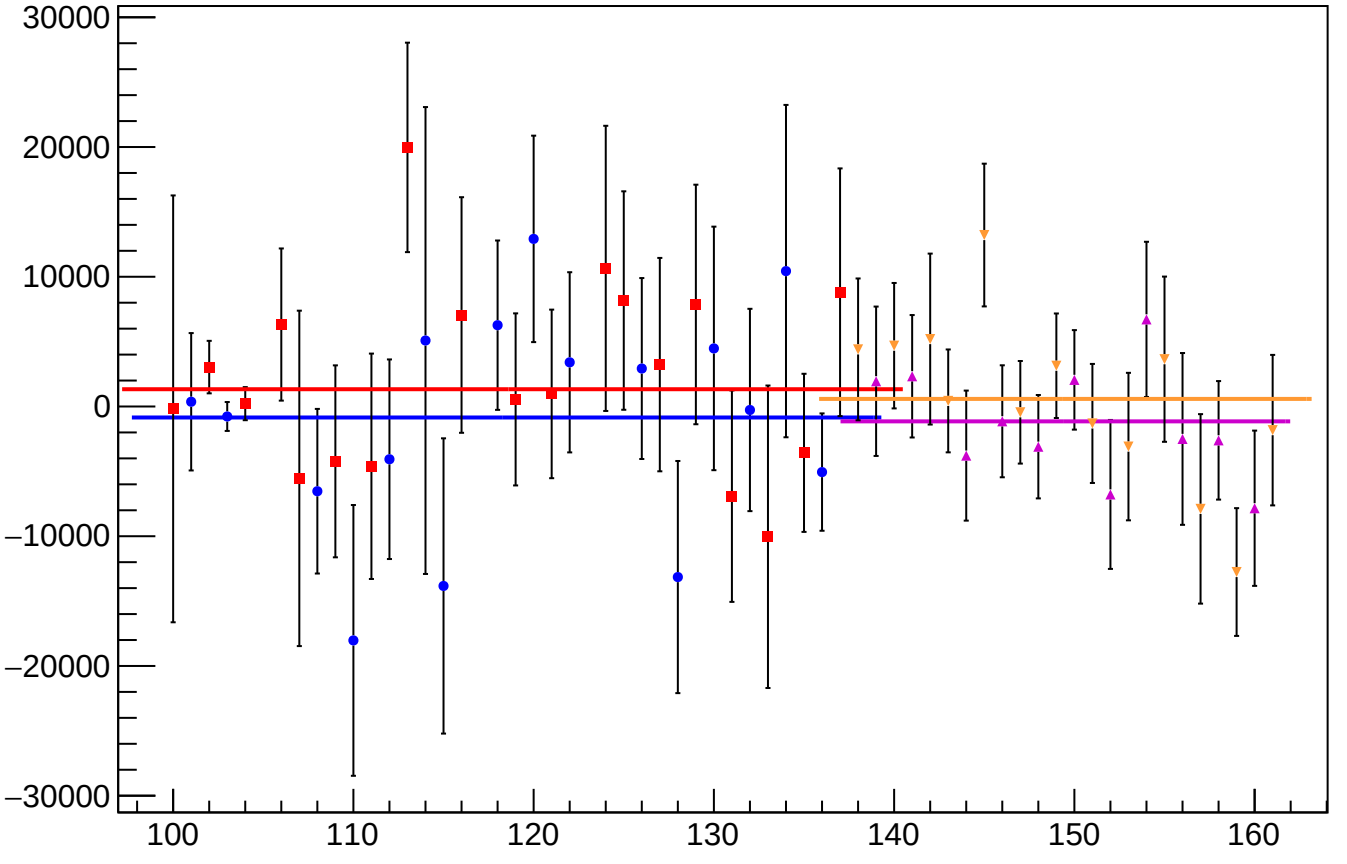
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1724.702+/-0.395 χ^2/NDF:16260.2/10

+ sign 1783.557+/-0.302 χ^2/NDF: 344016.3/28

All: 1786.250+/-0.216 χ^2/NDF: 793866.5/58

- sign 1789.079+/-0.309 χ^2/NDF: 449687.0/29



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 584.271+/-1394.311 χ^2/NDF:17.1/12

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

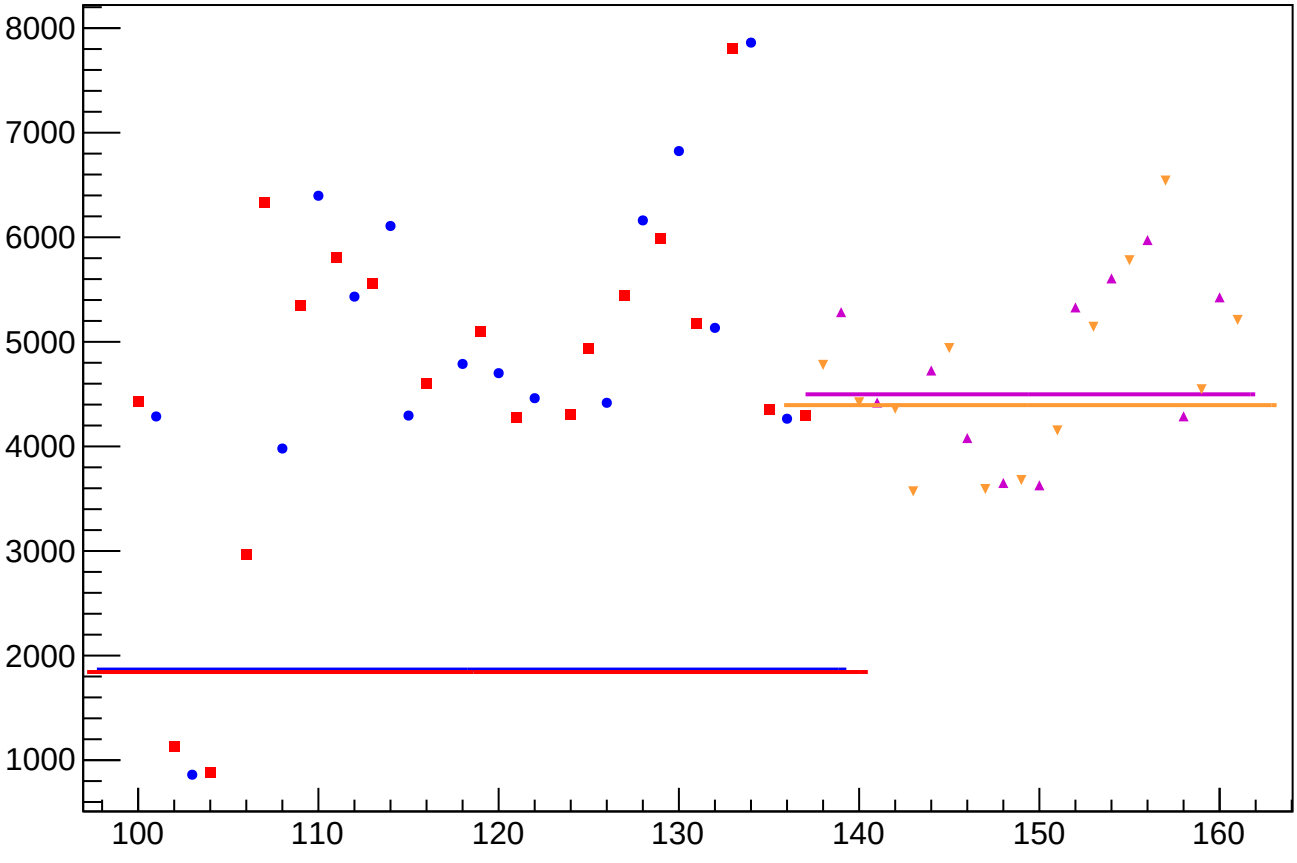
Left In: -1146.262+/-1480.062 χ^2/NDF:6.1/10

+ sign -385.185+/-792.306 χ^2/NDF: 31.7/28

All: 108.817+/-562.382 χ^2/NDF: 55.0/58

- sign 610.428+/-798.384 χ^2/NDF: 22.5/29

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4394.892+/-0.986 χ^2/NDF:610960.8/12

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

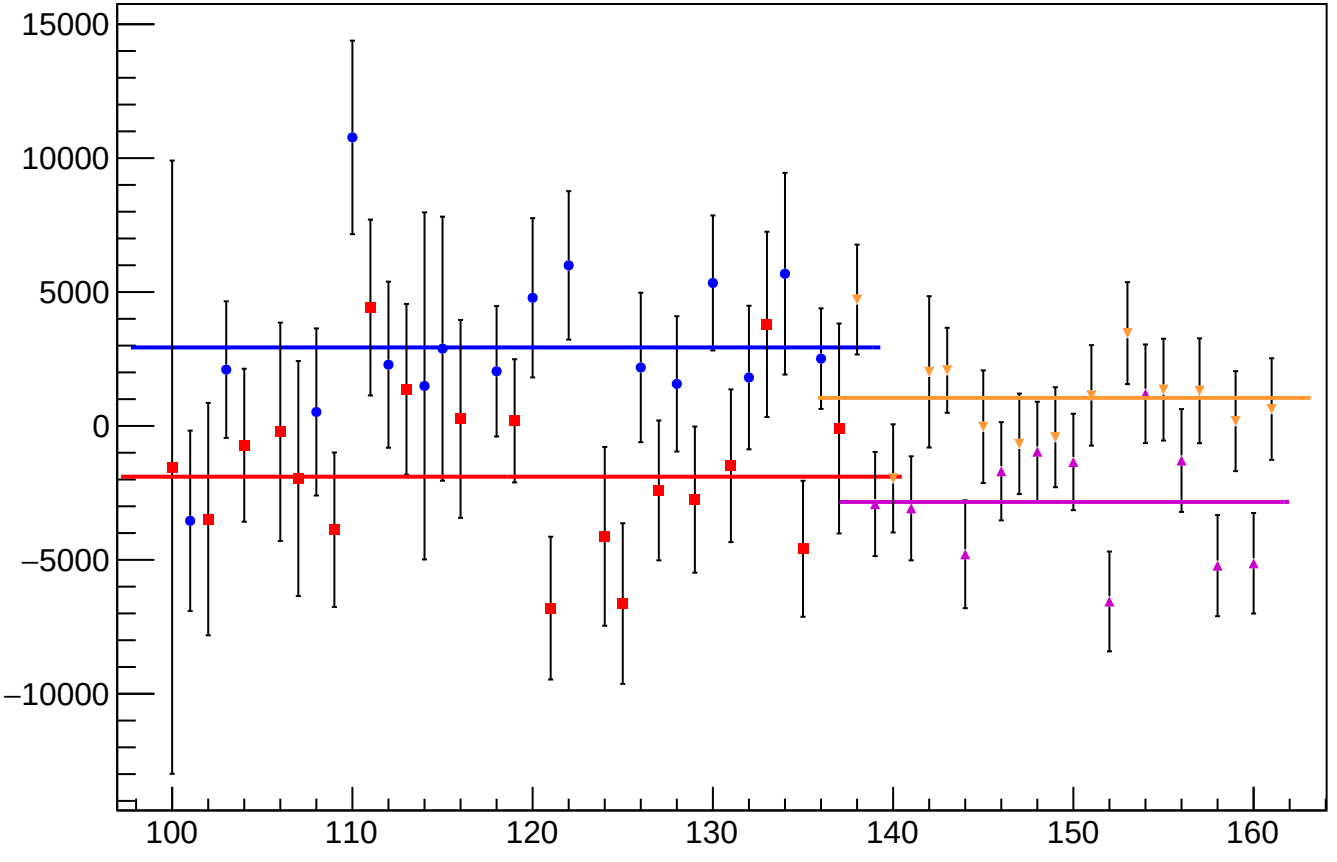
Left In: 4498.235+/-1.047 χ^2/NDF:516315.8/10

+ sign 2682.746+/-0.560 χ^2/NDF: 11914904.1/28

All: 2649.399+/-0.398 χ^2/NDF: 23461102.3/5

- sign 2615.538+/-0.565 χ^2/NDF: 11539057.8/29

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1047.309+/-537.268 χ^2/NDF:9.6/12

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

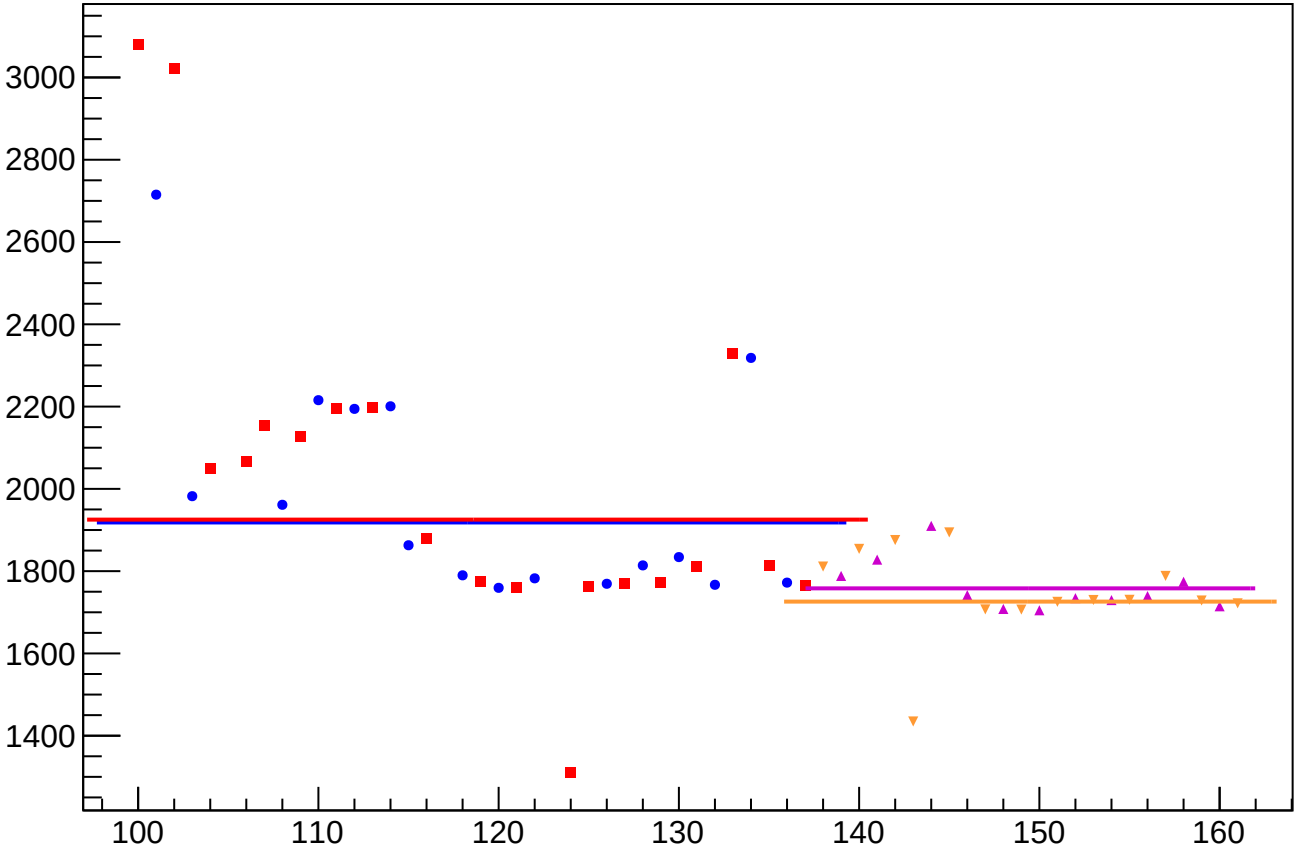
Left In: -2837.315+/-568.969 χ^2/NDF:15.6/10

+ sign 1723.330+/-430.234 χ^2/NDF: 27.0/28

All: -296.929+/-309.937 χ^2/NDF: 106.8/58

- sign -2476.475+/-446.873 χ^2/NDF: 34.0/29

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1725.987+/-0.380 χ^2/NDF:99748.9/12

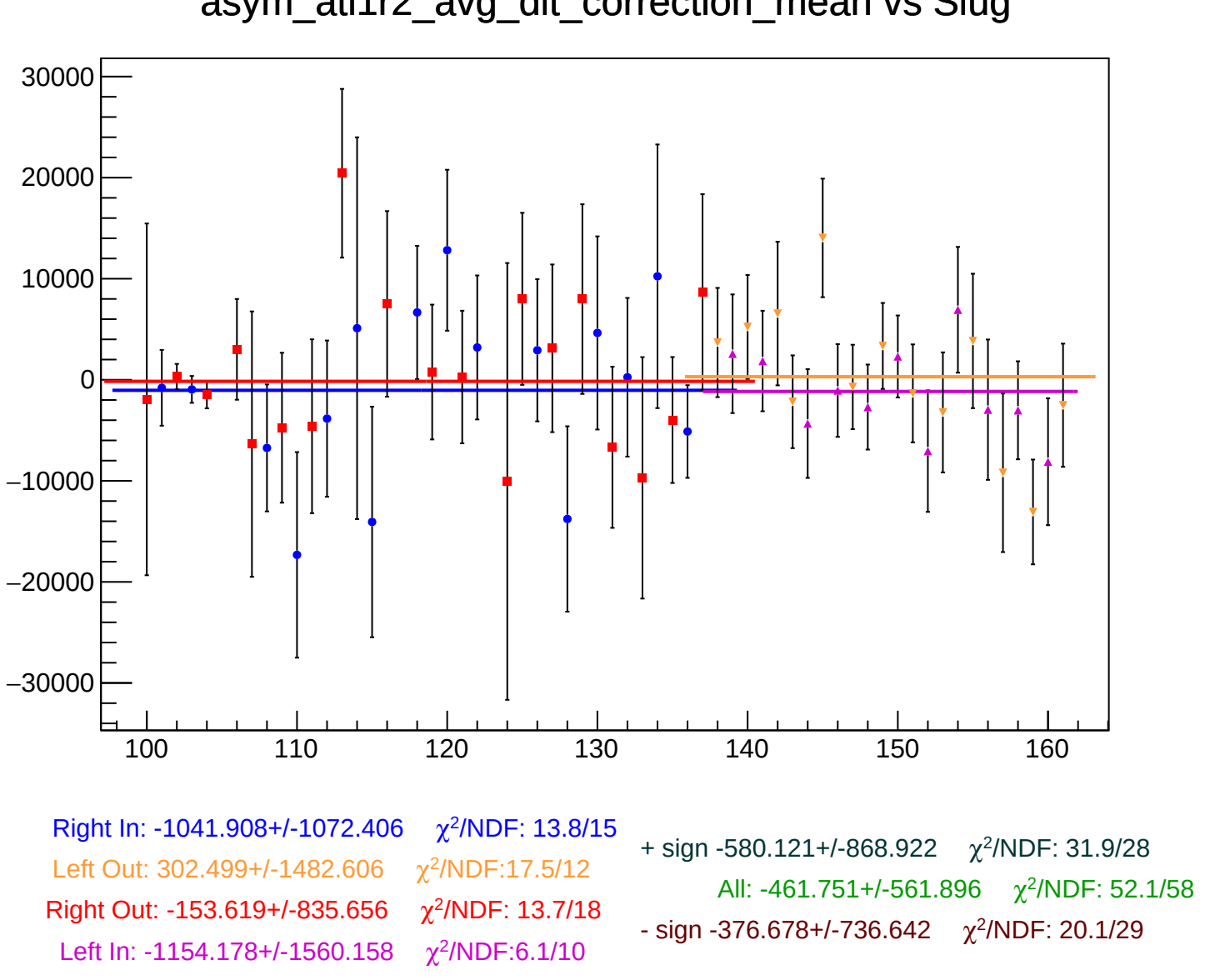
Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1758.168+/-0.402 χ^2/NDF:20029.4/10

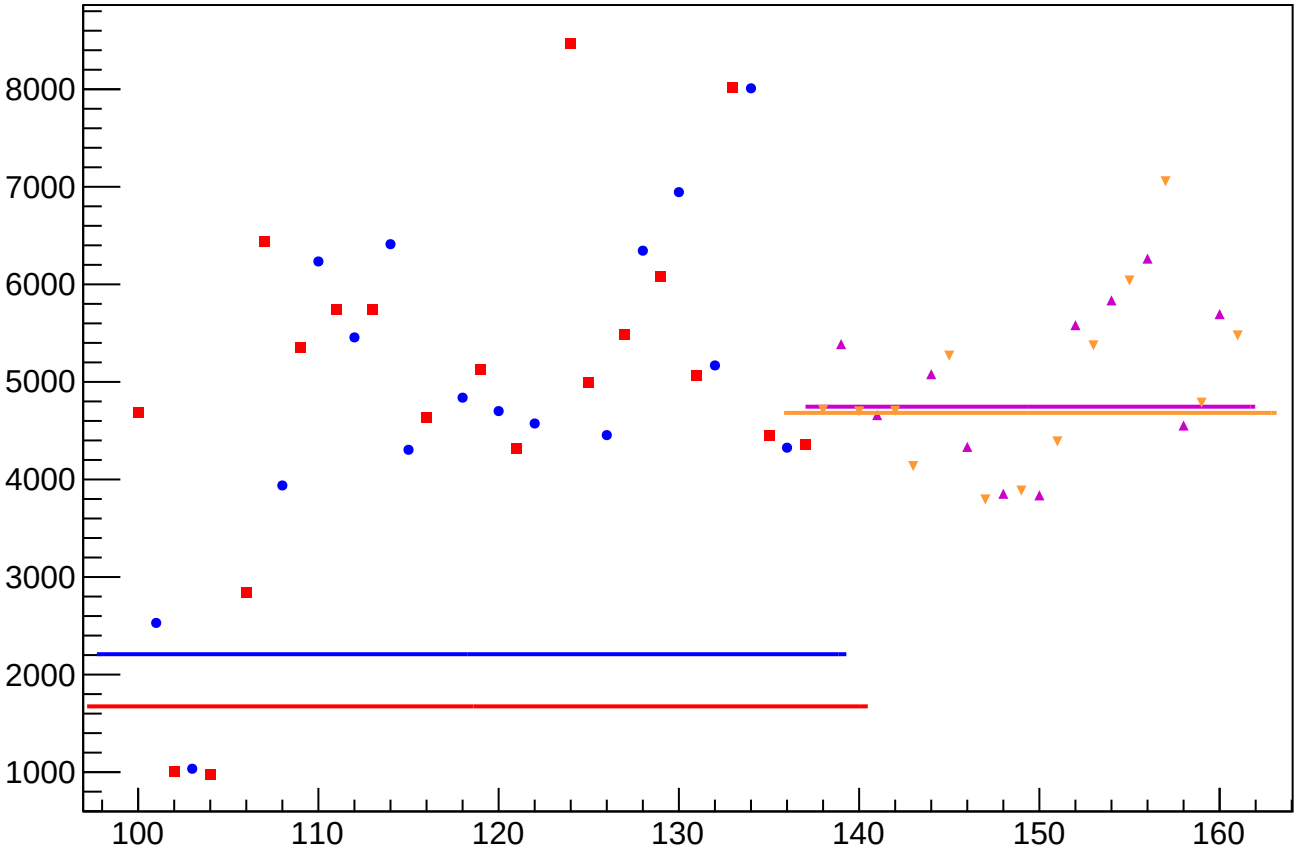
+ sign 1795.003+/-0.304 χ^2/NDF: 407335.8/28

All: 1808.115+/-0.219 χ^2/NDF: 836474.0/58

- sign 1822.251+/-0.316 χ^2/NDF: 425277.9/29


asym_atl1r2_avg_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1041.908+/-1072.406 χ²/NDF: 13.8/15
Left Out: 302.499+/-1482.606 χ²/NDF:17.5/12
Right Out: -153.619+/-835.656 χ²/NDF: 13.7/18
Left In: -1154.178+/-1560.158 χ²/NDF:6.1/10
+ sign -580.121+/-868.922 χ²/NDF: 31.9/28
All: -461.751+/-561.896 χ²/NDF: 52.1/58
- sign -376.678+/-736.642 χ²/NDF: 20.1/29

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4682.654+/-1.048 χ^2/NDF:544253.2/12

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

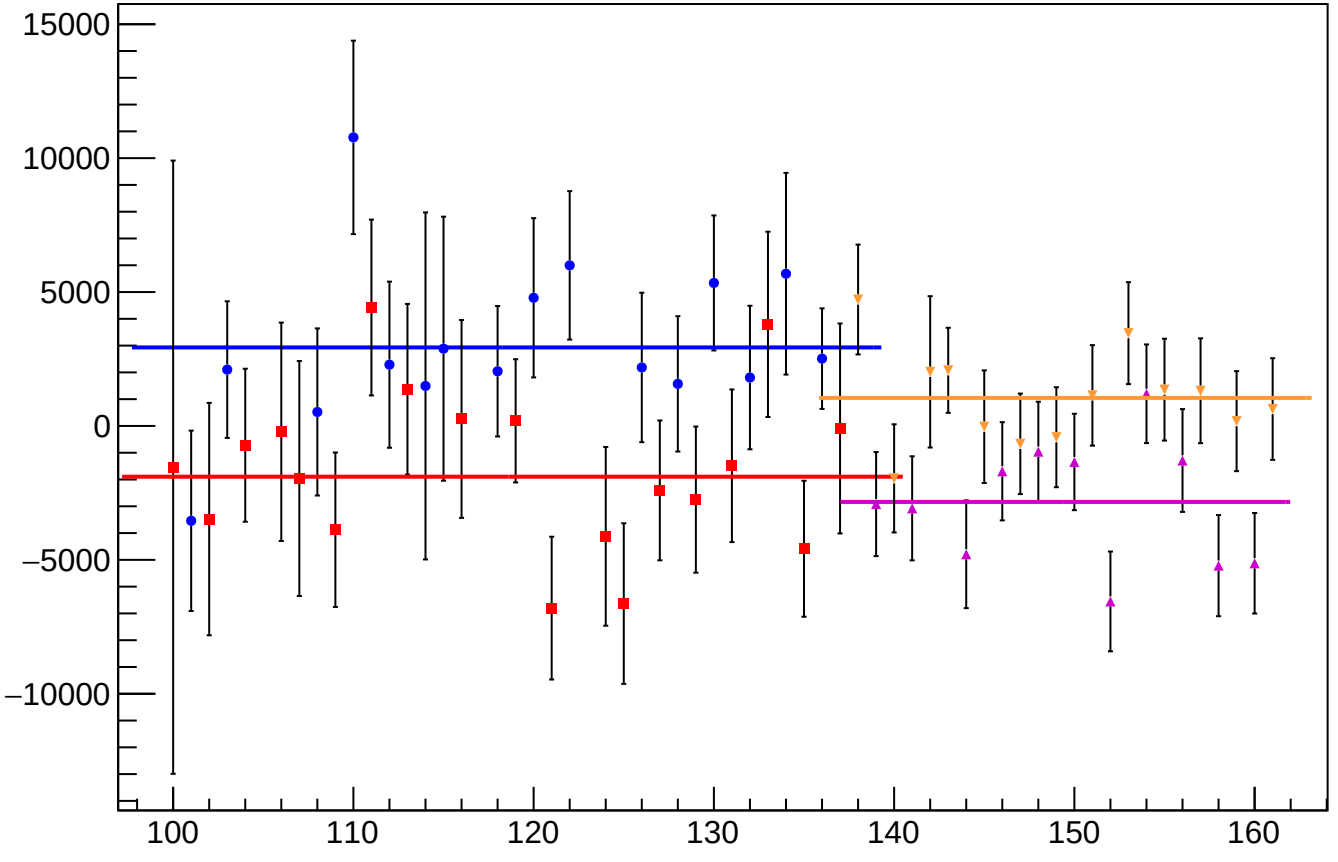
Left In: 4746.013+/-1.103 χ^2/NDF:483169.0/10

+ sign 3058.610+/-0.614 χ^2/NDF: 9698629.0/28

All: 2651.542+/-0.397 χ^2/NDF: 23814331.7/5

- sign 2358.981+/-0.521 χ^2/NDF: 13361300.0/29

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1047.300+/-537.268 χ^2/NDF:9.6/12

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

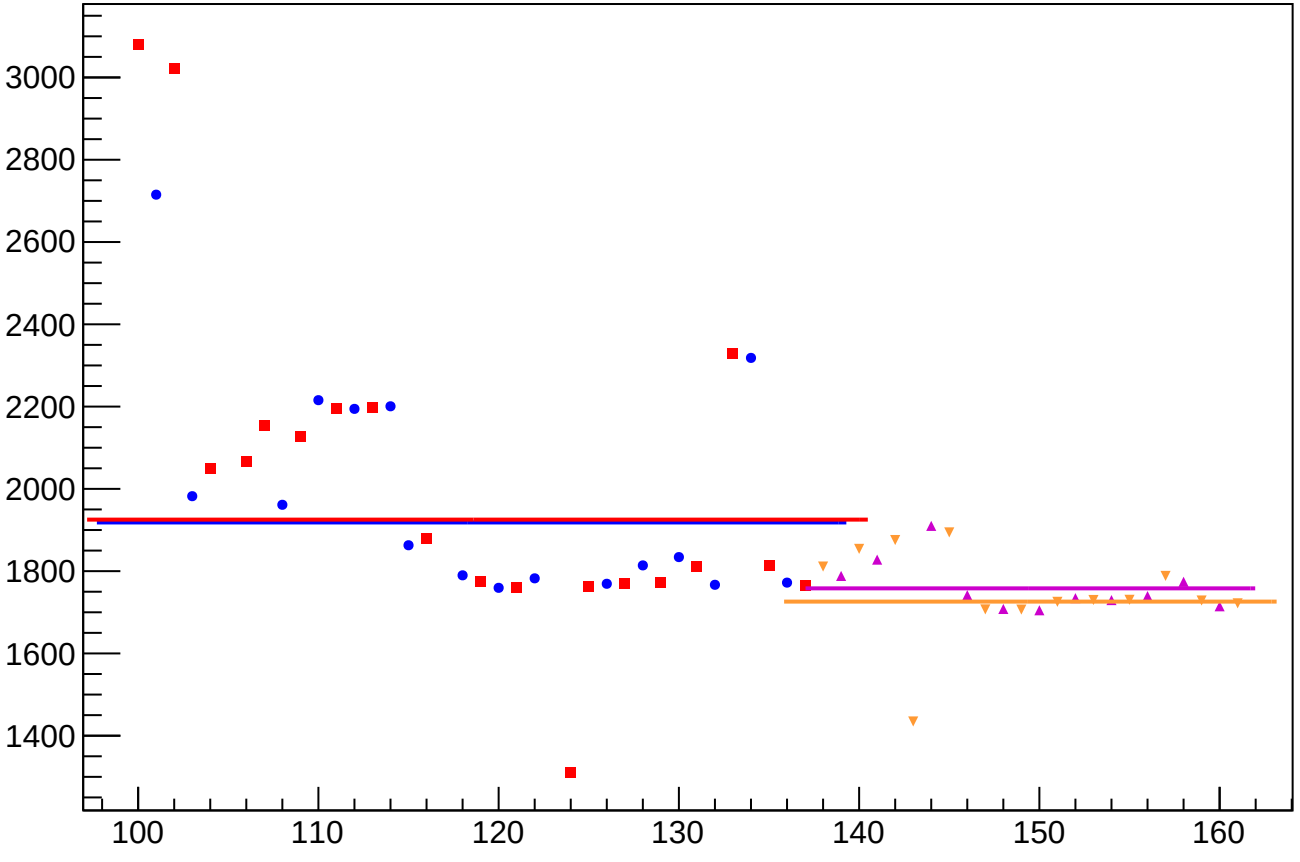
Left In: -2837.315+/-568.969 χ^2/NDF:15.6/10

+ sign 1723.326+/-430.234 χ^2/NDF: 27.0/28

All: -296.933+/-309.937 χ^2/NDF: 106.8/58

- sign -2476.477+/-446.873 χ^2/NDF: 34.0/29

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1725.988+/-0.380 χ^2/NDF:99748.0/12

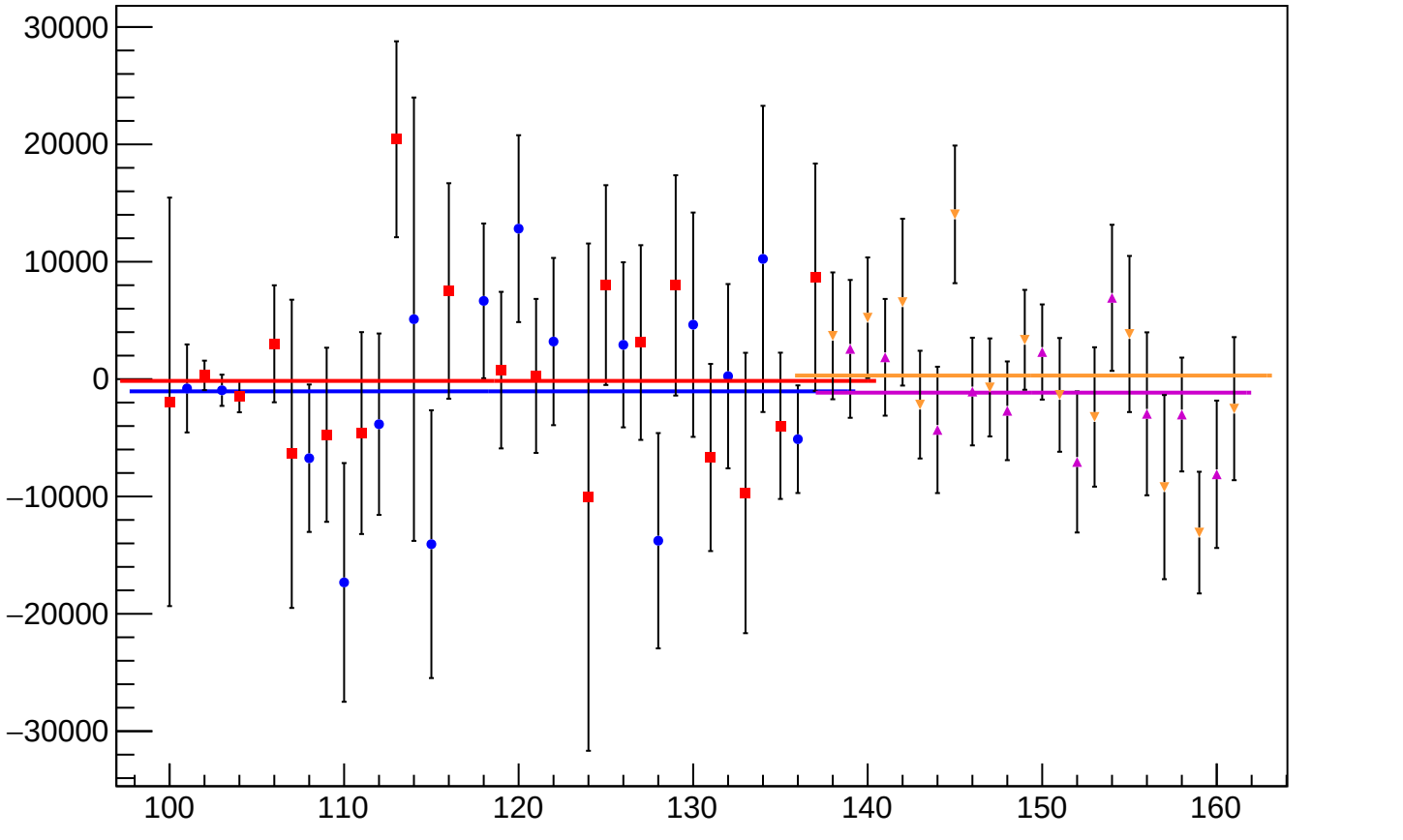
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1758.169+/-0.402 χ^2/NDF:20029.4/10

+ sign 1795.004+/-0.304 χ^2/NDF: 407333.3/28

All: 1808.115+/-0.219 χ^2/NDF: 836469.3/58

- sign 1822.252+/-0.316 χ^2/NDF: 425275.8/29



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 302.496+/-1482.608 χ^2/NDF:17.5/12

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

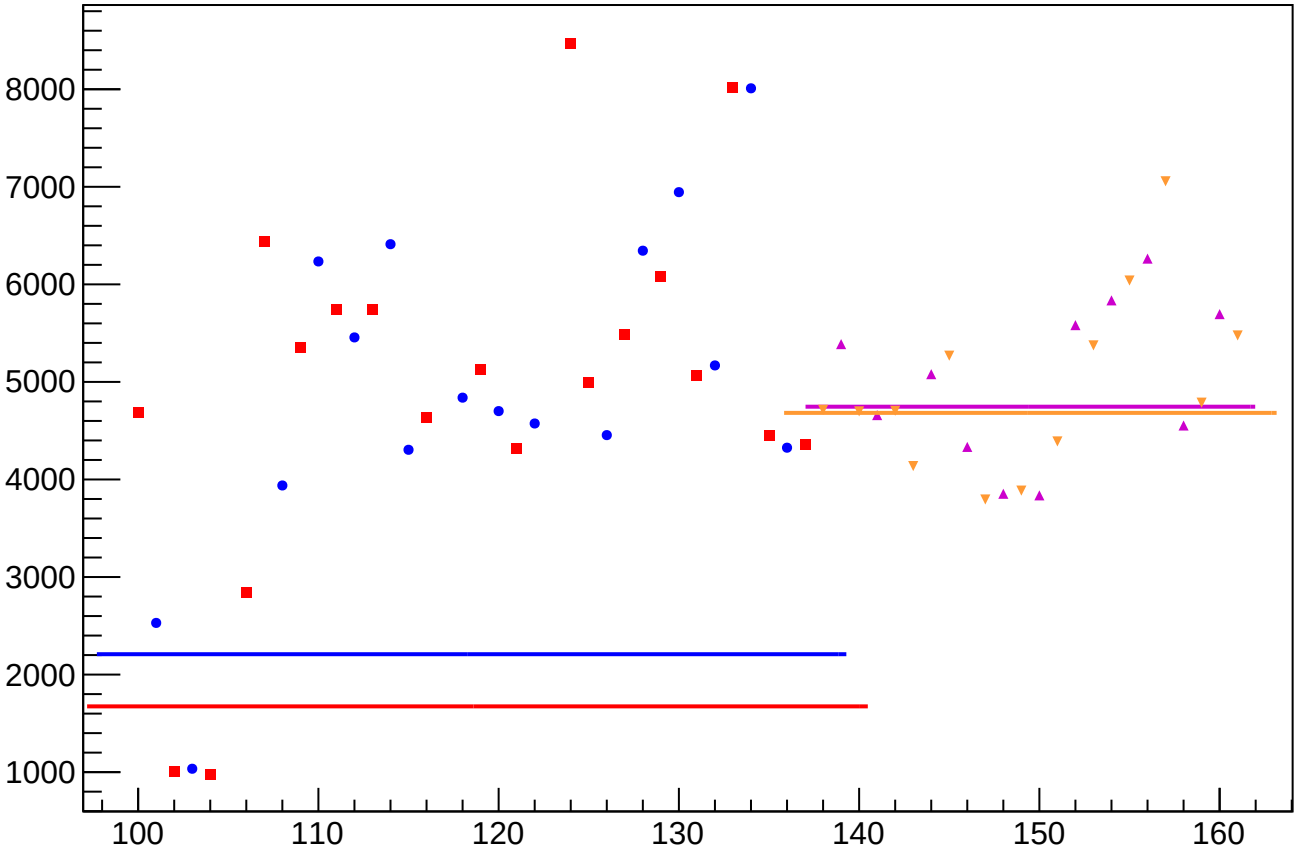
Left In: -1154.176+/-1560.160 χ^2/NDF:6.1/10

+ sign -580.122+/-868.922 χ^2/NDF: 31.9/28

All: -461.748+/-561.896 χ^2/NDF: 52.1/58

- sign -376.672+/-736.642 χ^2/NDF: 20.1/29

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4682.661+/-1.048 χ^2/NDF:544251.3/12

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

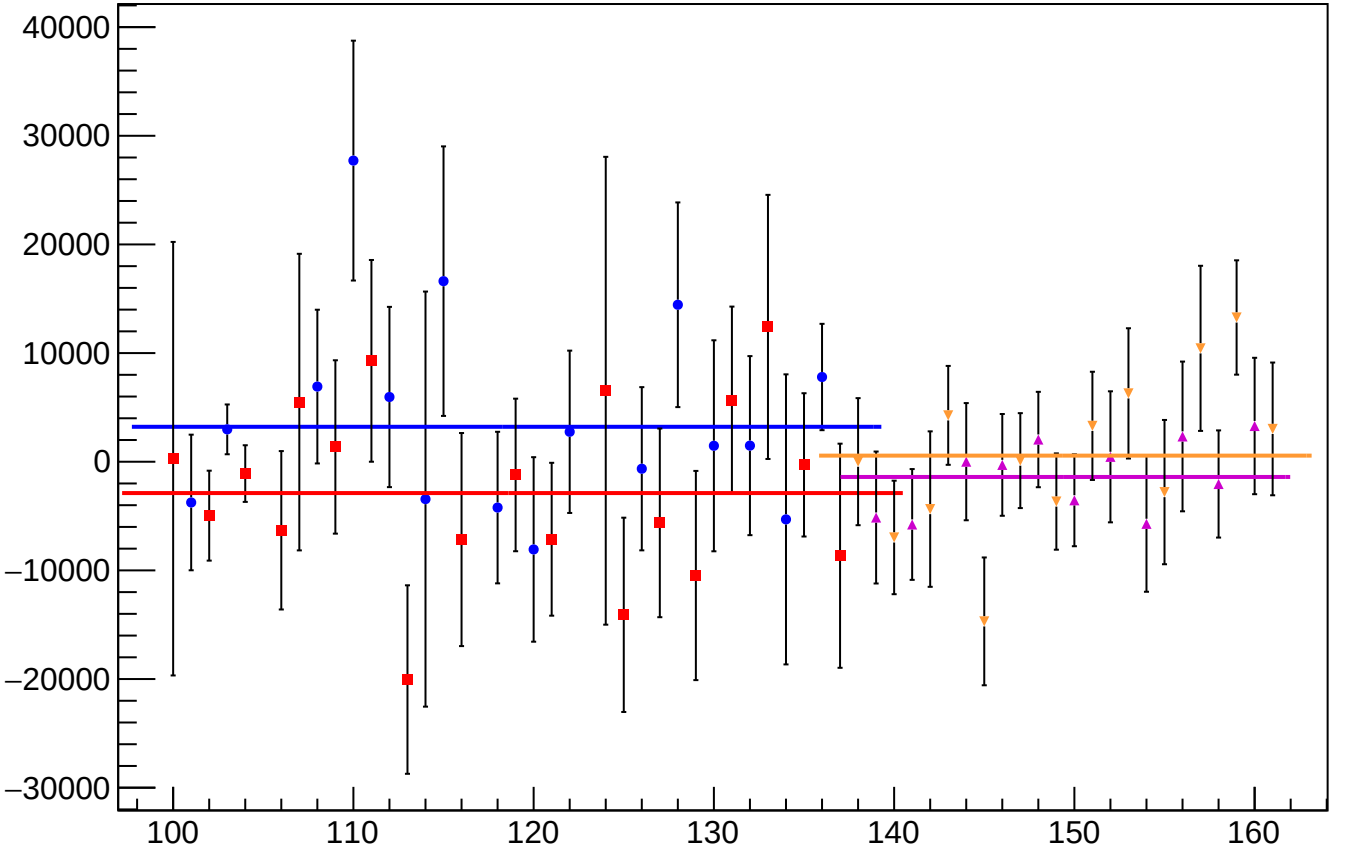
Left In: 4746.020+/-1.103 χ^2/NDF:483166.4/10

+ sign 3058.610+/-0.614 χ^2/NDF: 9698637.8/28

All: 2651.542+/-0.397 χ^2/NDF: 23814346.7/5

- sign 2358.980+/-0.521 χ^2/NDF: 13361305.6/29

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 562.785+/-1512.716 χ^2/NDF:20.0/12

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

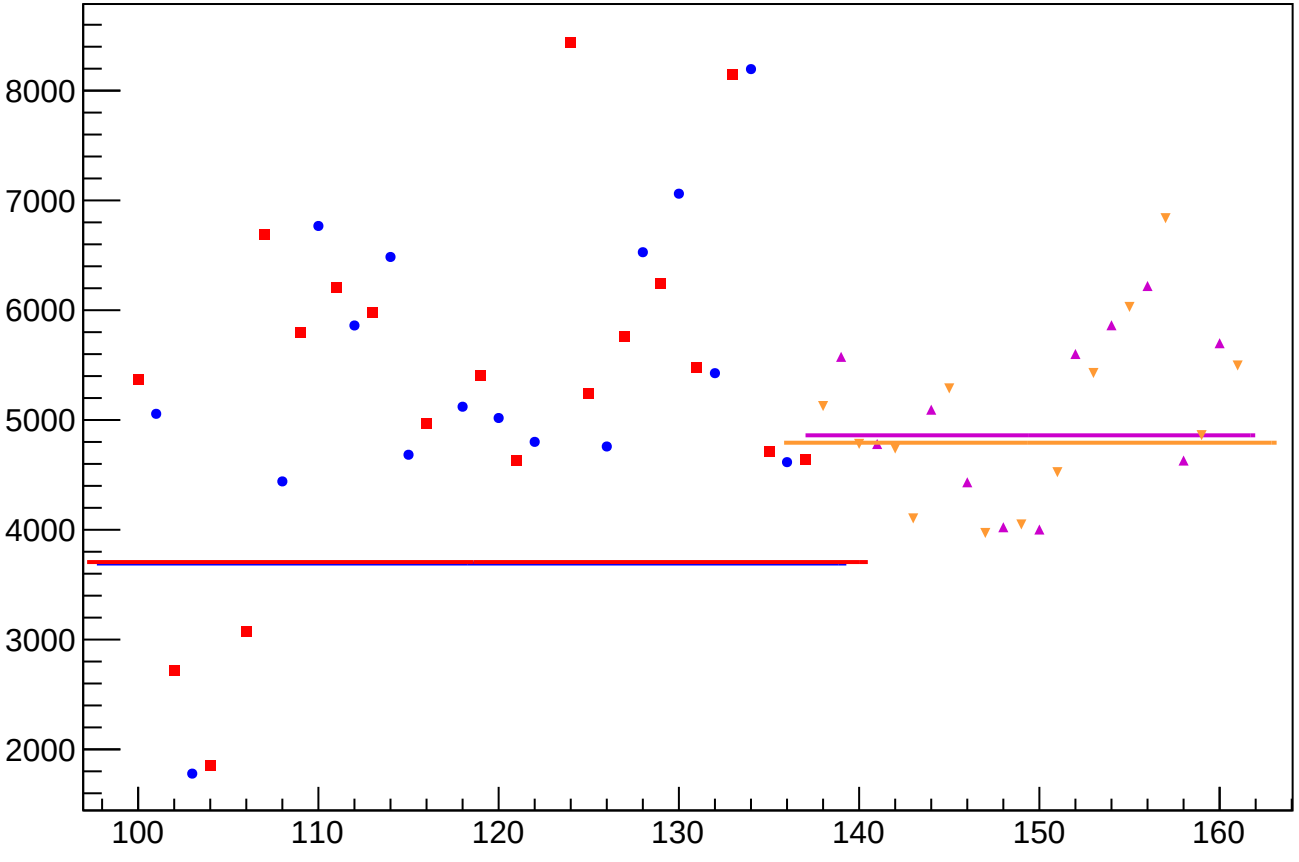
Left In: -1401.311+/-1593.154 χ^2/NDF:3.5/10

+ sign 1866.167+/-1078.915 χ^2/NDF: 35.4/28

All: -87.425+/-774.252 χ^2/NDF: 59.5/58

- sign -2161.693+/-1111.738 χ^2/NDF: 17.4/29

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4793.074+/-1.070 χ^2/NDF:463320.6/12

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

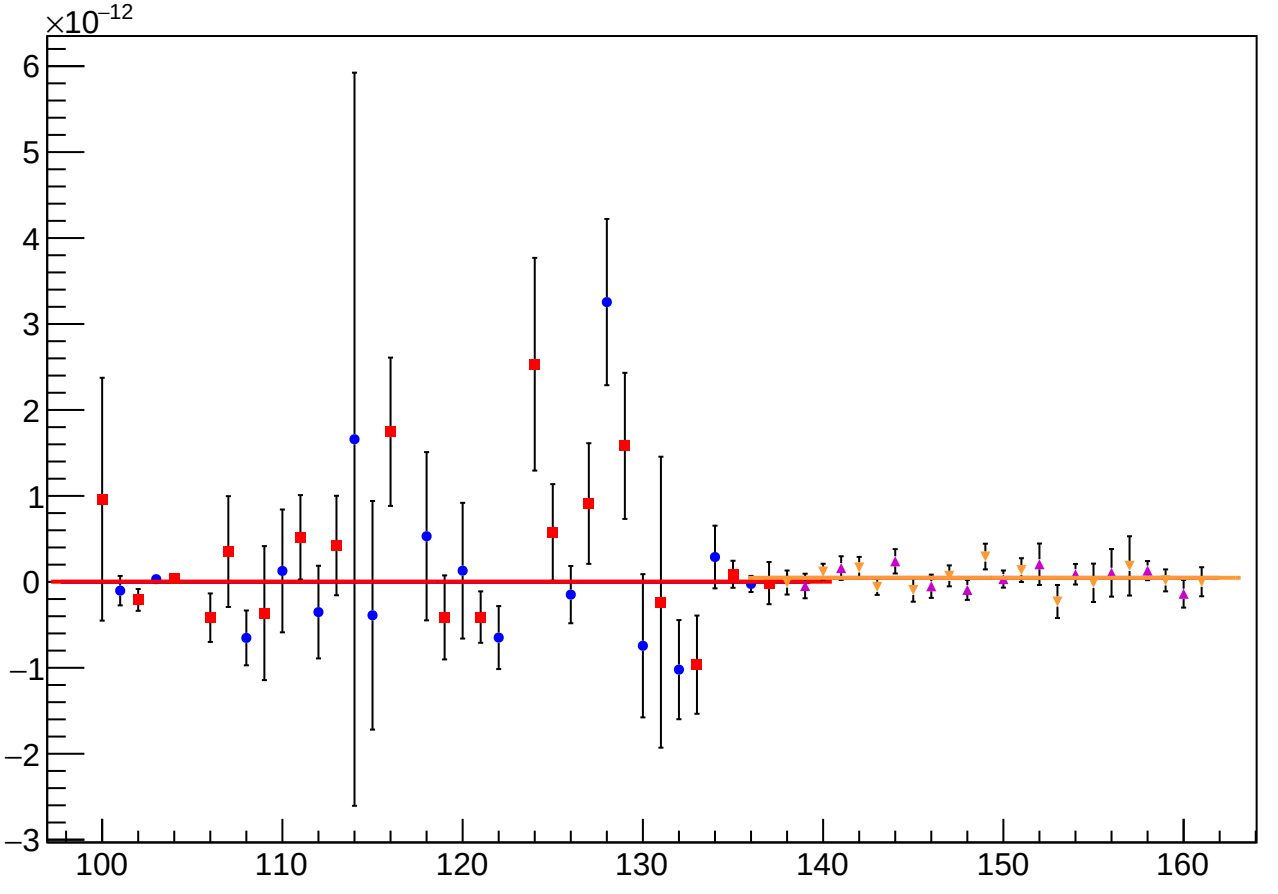
Left In: 4860.445+/-1.127 χ^2/NDF:403217.0/10

+ sign 4252.514+/-0.763 χ^2/NDF: 3868799.5/28

All: 4257.344+/-0.546 χ^2/NDF: 7500597.8/58

- sign 4262.421+/-0.782 χ^2/NDF: 3631716.0/29

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:9.7/12

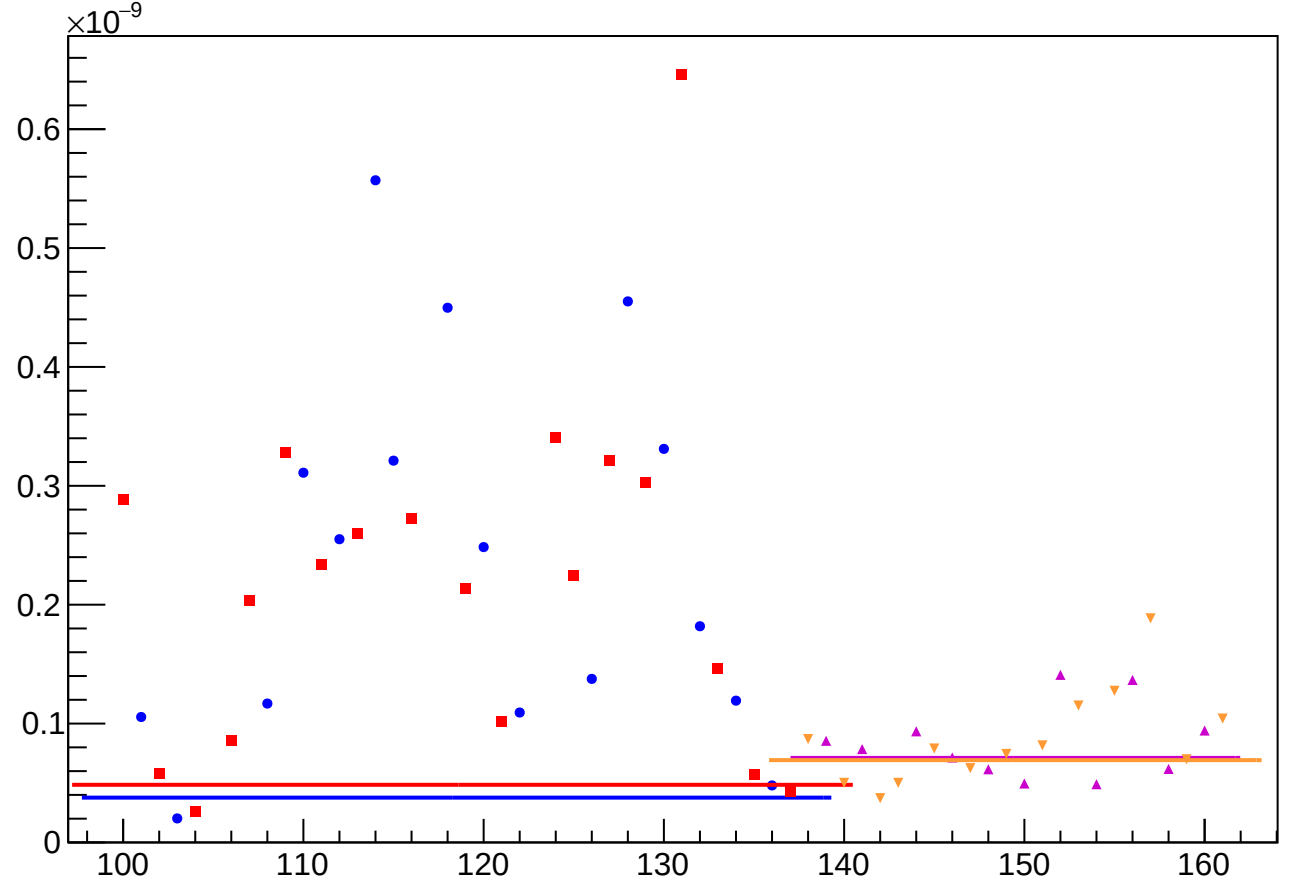
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 35.9/28

All: 0.000+/-0.000 χ^2/NDF: 72.1/58

- sign 0.000+/-0.000 χ^2/NDF: 36.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:946280.9/12

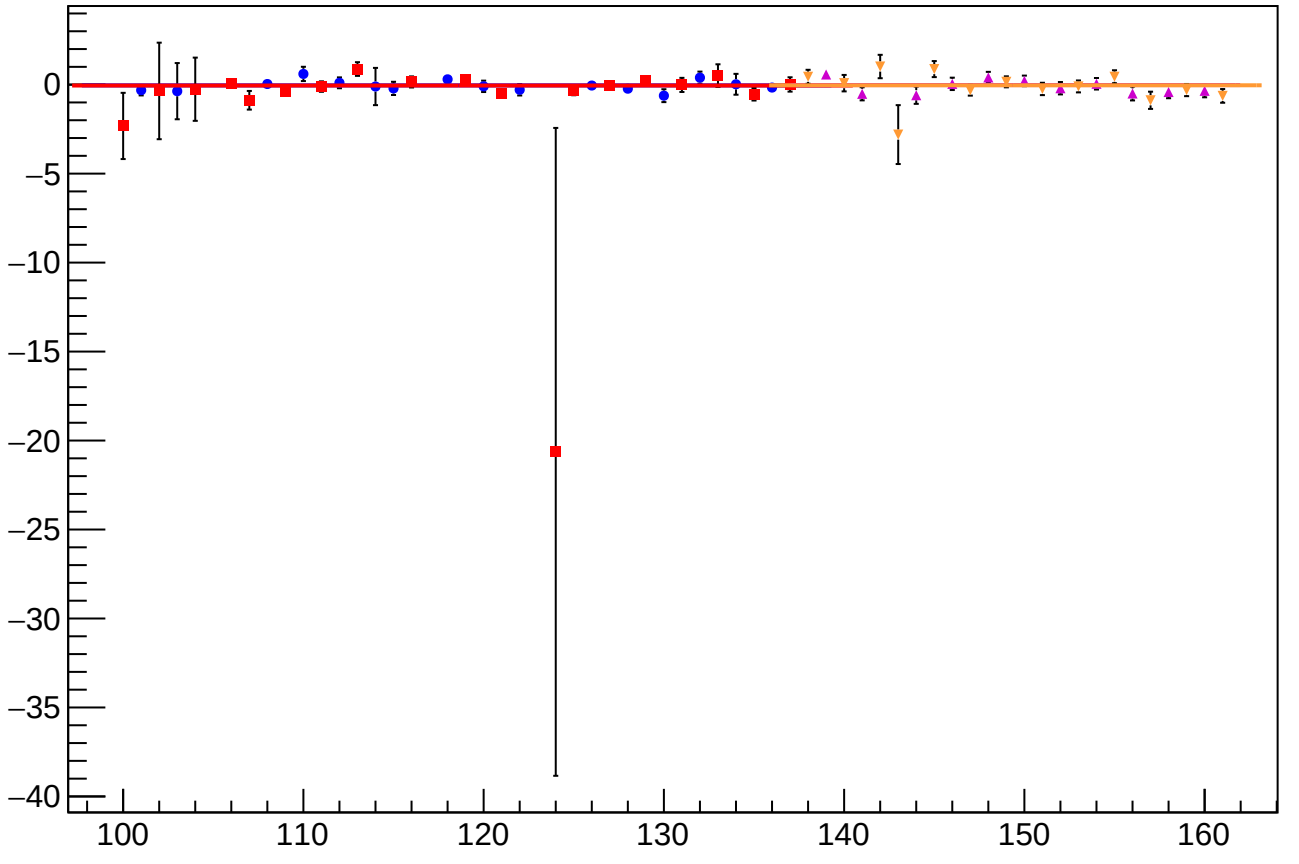
Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:585870.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 4820869.9/28

All: 0.000+/-0.000 χ^2/NDF: 8658463.5/58

- sign 0.000+/-0.000 χ^2/NDF: 3760448.7/29



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.036+/-0.109 χ^2/NDF:20.4/12

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

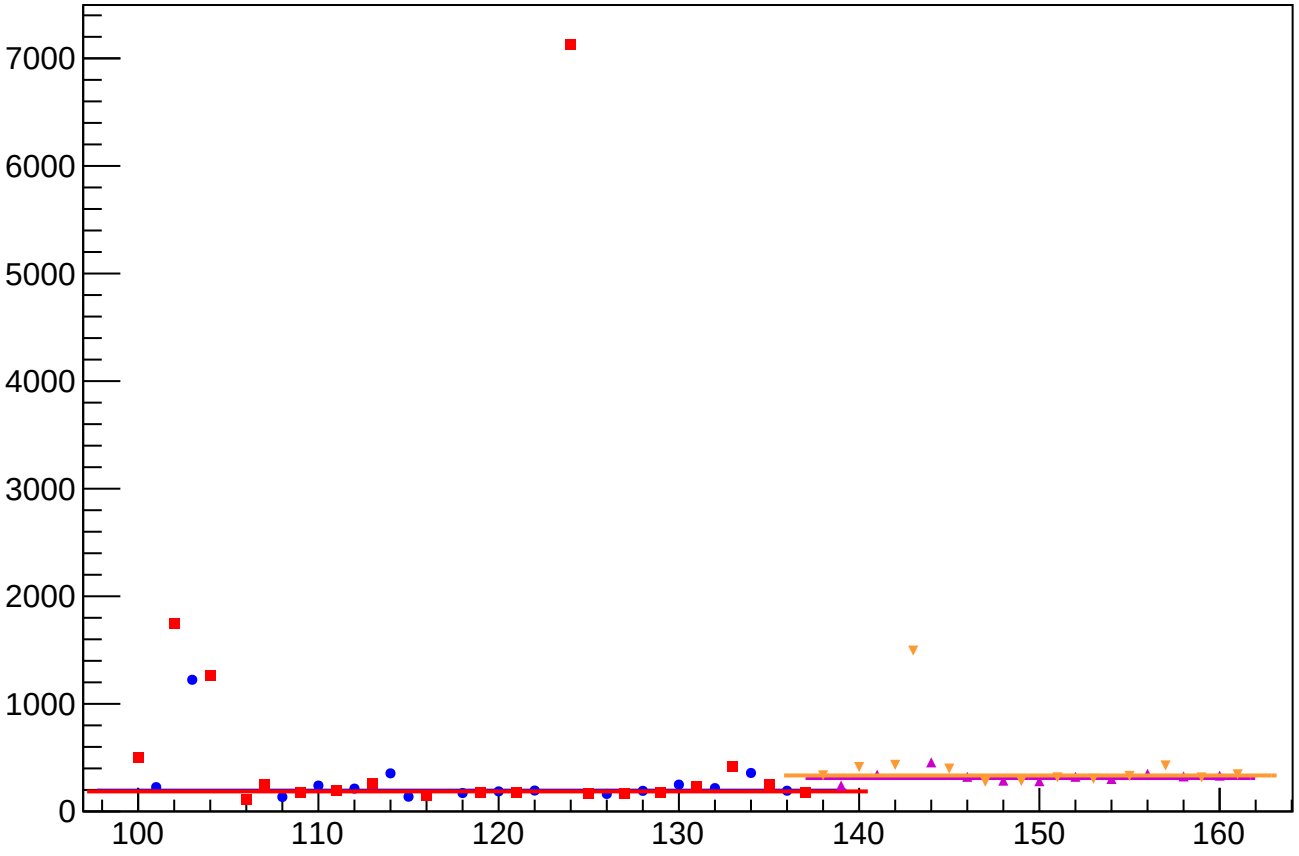
Left In: -0.023+/-0.103 χ^2/NDF:14.3/10

+ sign -0.039+/-0.063 χ^2/NDF: 32.1/28

All: -0.039+/-0.044 χ^2/NDF: 69.4/58

- sign -0.040+/-0.063 χ^2/NDF: 37.3/29

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 334.545+/-0.077 χ^2/NDF:1362074.9/12

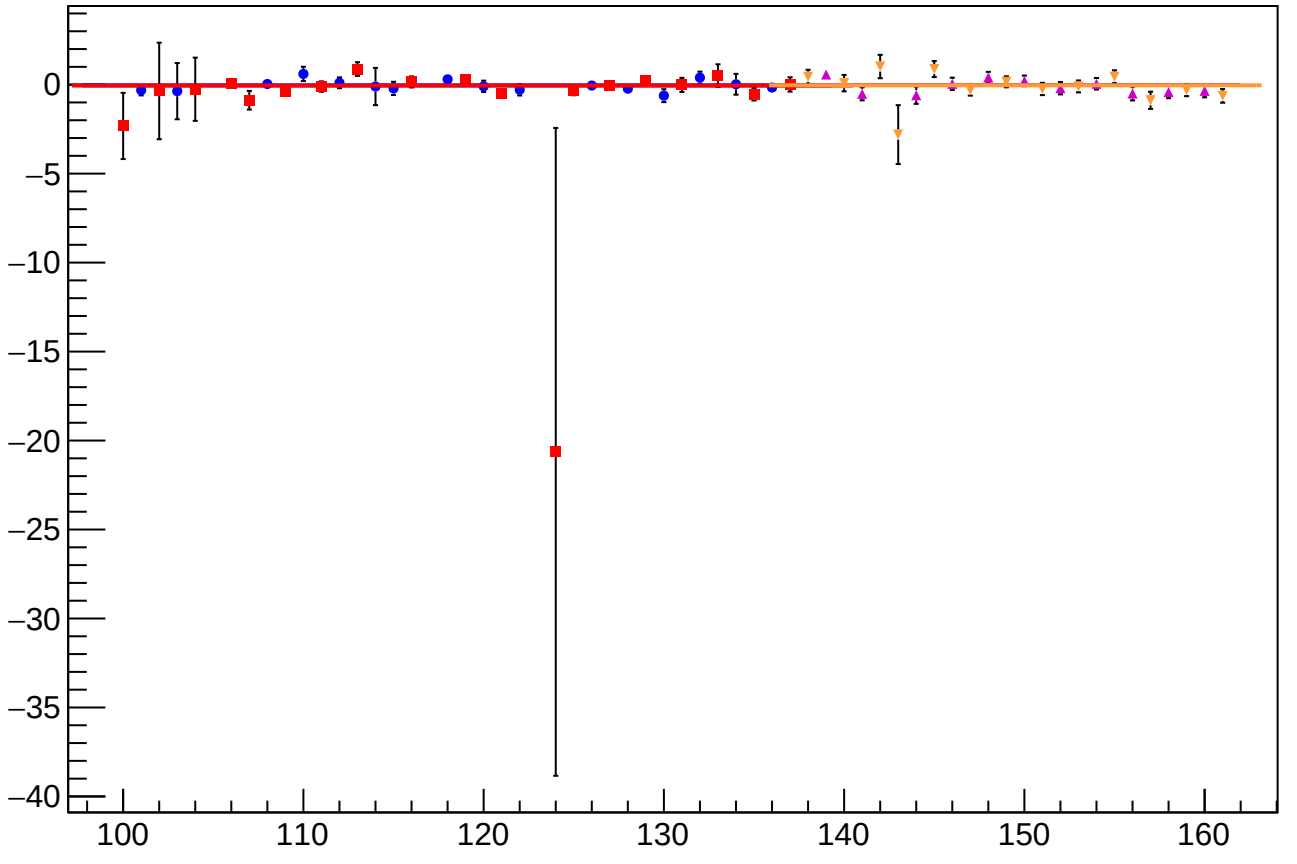
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 310.748+/-0.073 χ^2/NDF:395615.0/10

+ sign 240.923+/-0.045 χ^2/NDF: 4998917.5/28

All: 236.632+/-0.031 χ^2/NDF: 9737503.9/58

- sign 232.444+/-0.044 χ^2/NDF: 4720415.9/29



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.036+/-0.109 χ^2/NDF:20.4/12

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

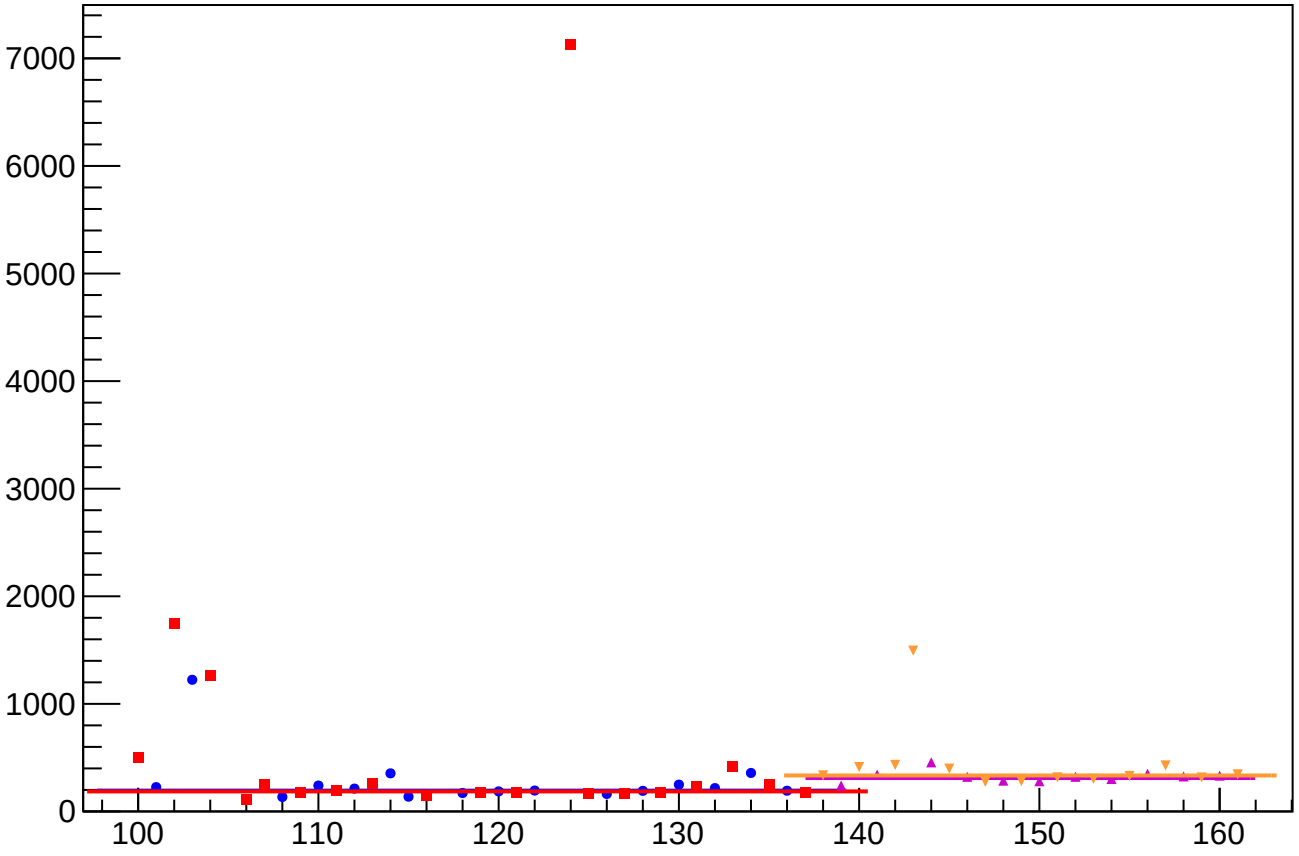
Left In: -0.023+/-0.103 χ^2/NDF:14.3/10

+ sign -0.039+/-0.063 χ^2/NDF: 32.1/28

All: -0.039+/-0.044 χ^2/NDF: 69.4/58

- sign -0.040+/-0.063 χ^2/NDF: 37.3/29

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: 334.545+/-0.077 χ^2/NDF:1362074.9/12

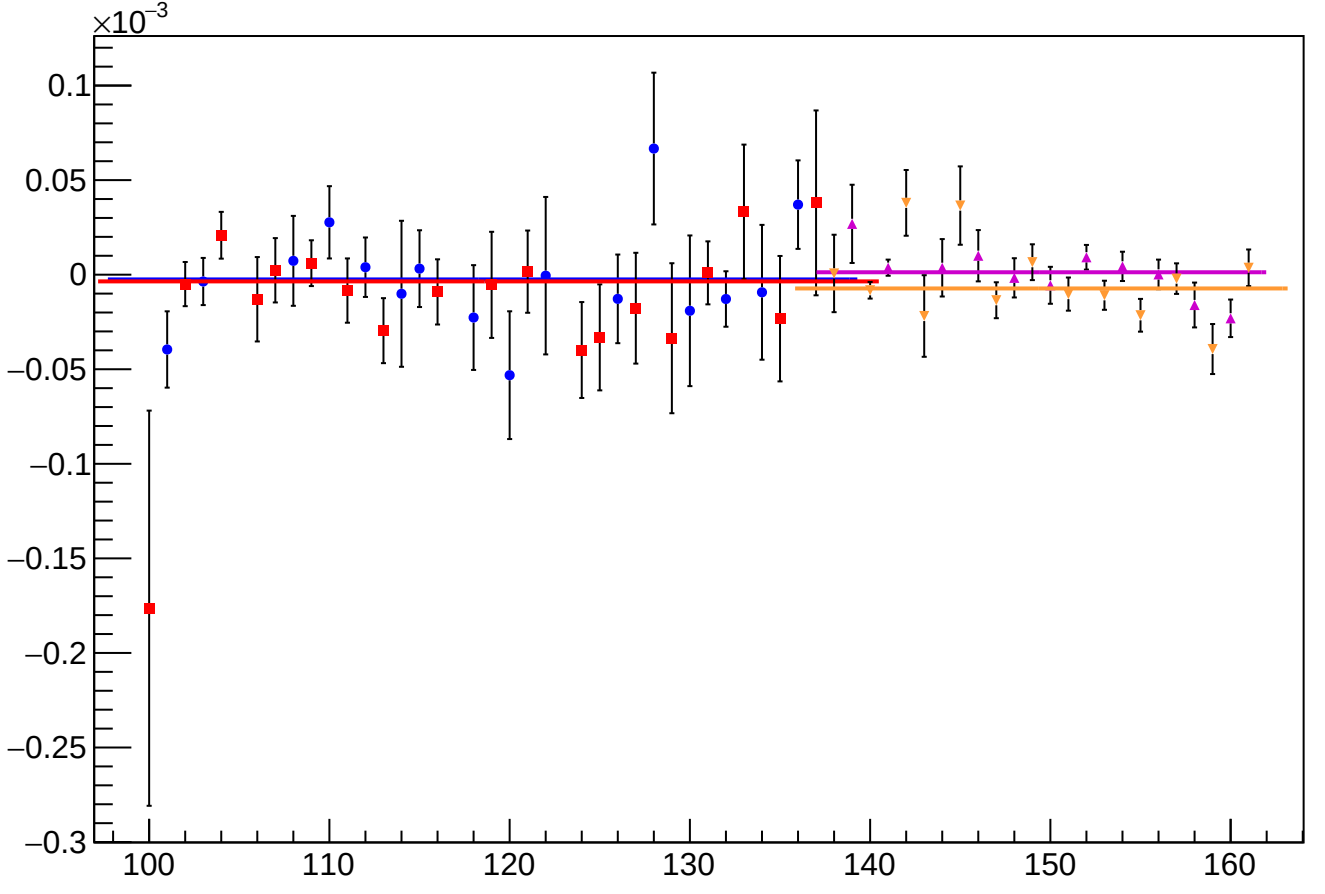
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 310.748+/-0.073 χ^2/NDF:395615.0/10

+ sign 240.923+/-0.045 χ^2/NDF: 4998917.5/28

All: 236.632+/-0.031 χ^2/NDF: 9737503.9/58

- sign 232.444+/-0.044 χ^2/NDF: 4720415.9/29



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/12

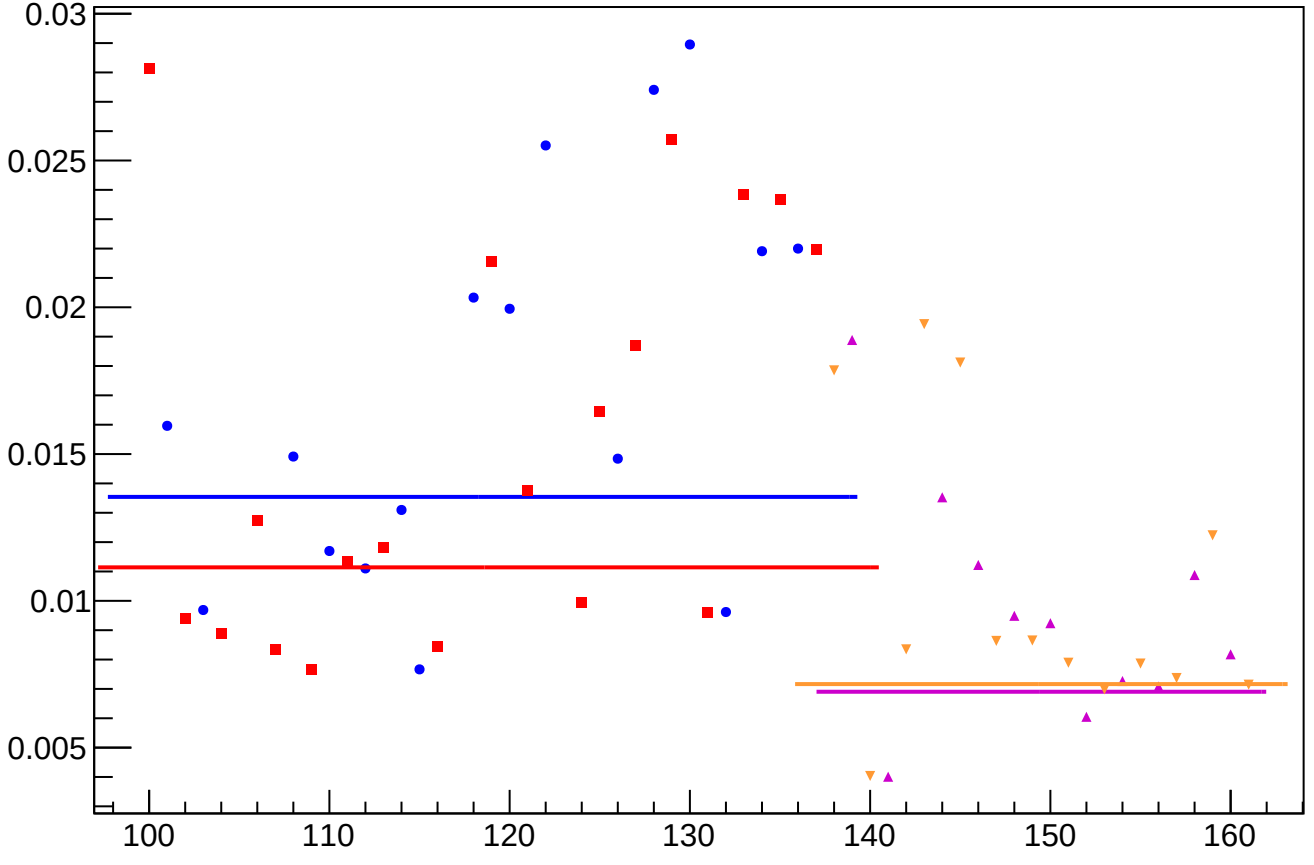
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 41.5/28

All: -0.000+/-0.000 χ^2/NDF: 75.8/58

- sign 0.000+/-0.000 χ^2/NDF: 29.9/29



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:3192968.7/12

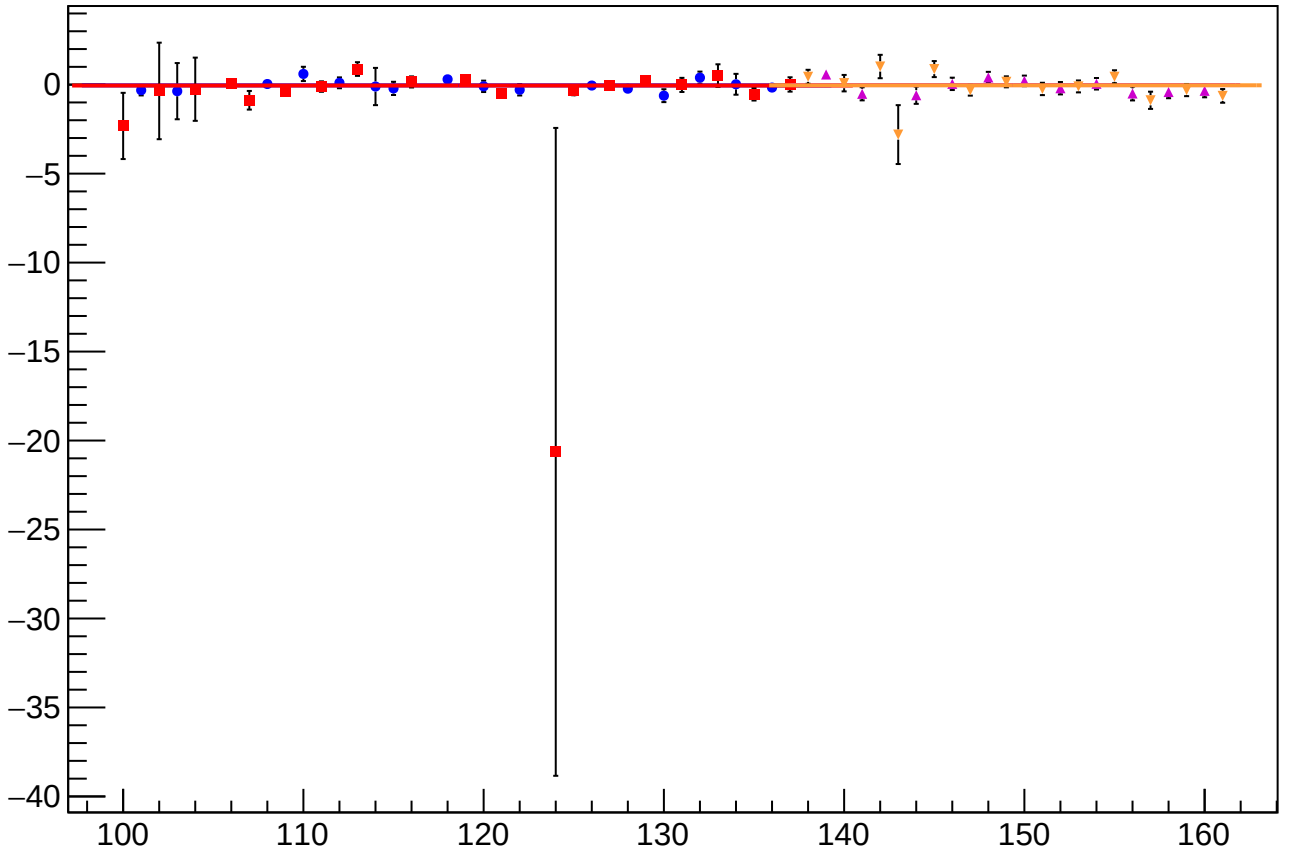
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:2712165.3/10

+ sign 0.008+/-0.000 χ^2/NDF: 7328401.1/28

All: 0.008+/-0.000 χ^2/NDF: 13328441.5/58

- sign 0.008+/-0.000 χ^2/NDF: 5973226.8/29



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.036+/-0.109 χ^2/NDF:20.4/12

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

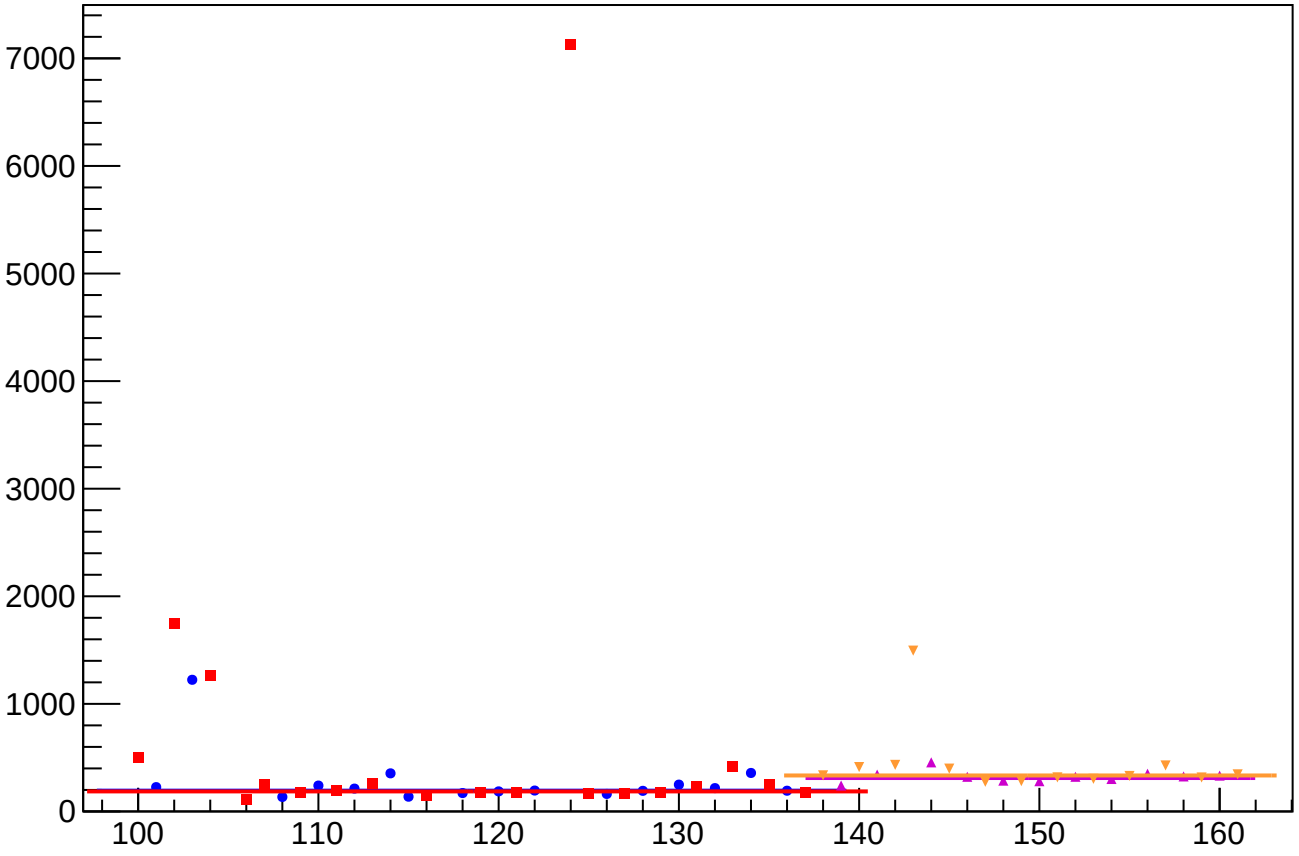
Left In: -0.023+/-0.103 χ^2/NDF:14.3/10

+ sign -0.039+/-0.063 χ^2/NDF: 32.1/28

All: -0.039+/-0.044 χ^2/NDF: 69.4/58

- sign -0.040+/-0.063 χ^2/NDF: 37.3/29

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: 334.549+/-0.077 χ^2/NDF:1362045.0/12

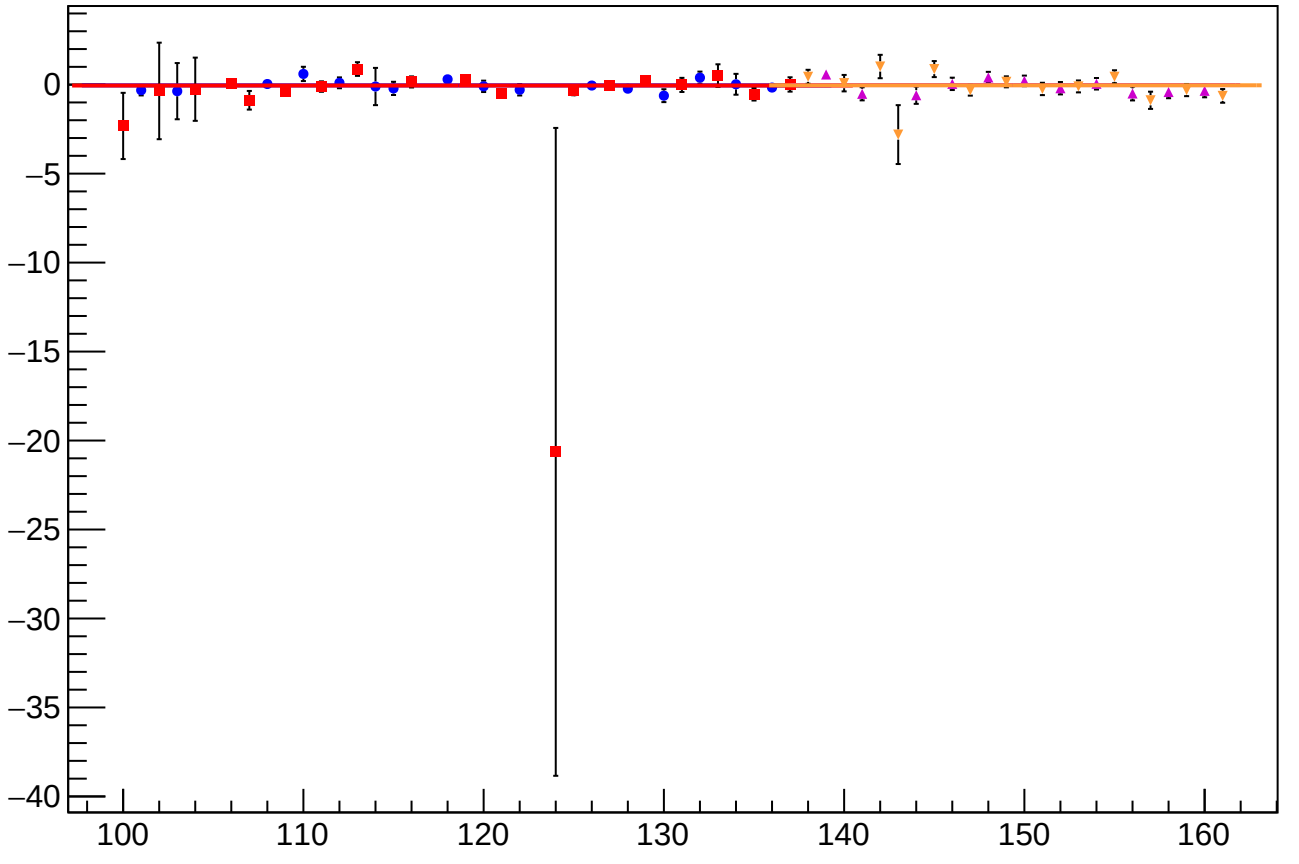
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 310.753+/-0.073 χ^2/NDF:395594.5/10

+ sign 240.923+/-0.045 χ^2/NDF: 4999039.4/28

All: 236.631+/-0.031 χ^2/NDF: 9737815.2/58

- sign 232.443+/-0.044 χ^2/NDF: 4720603.6/29



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.036+/-0.109 χ^2/NDF:20.4/12

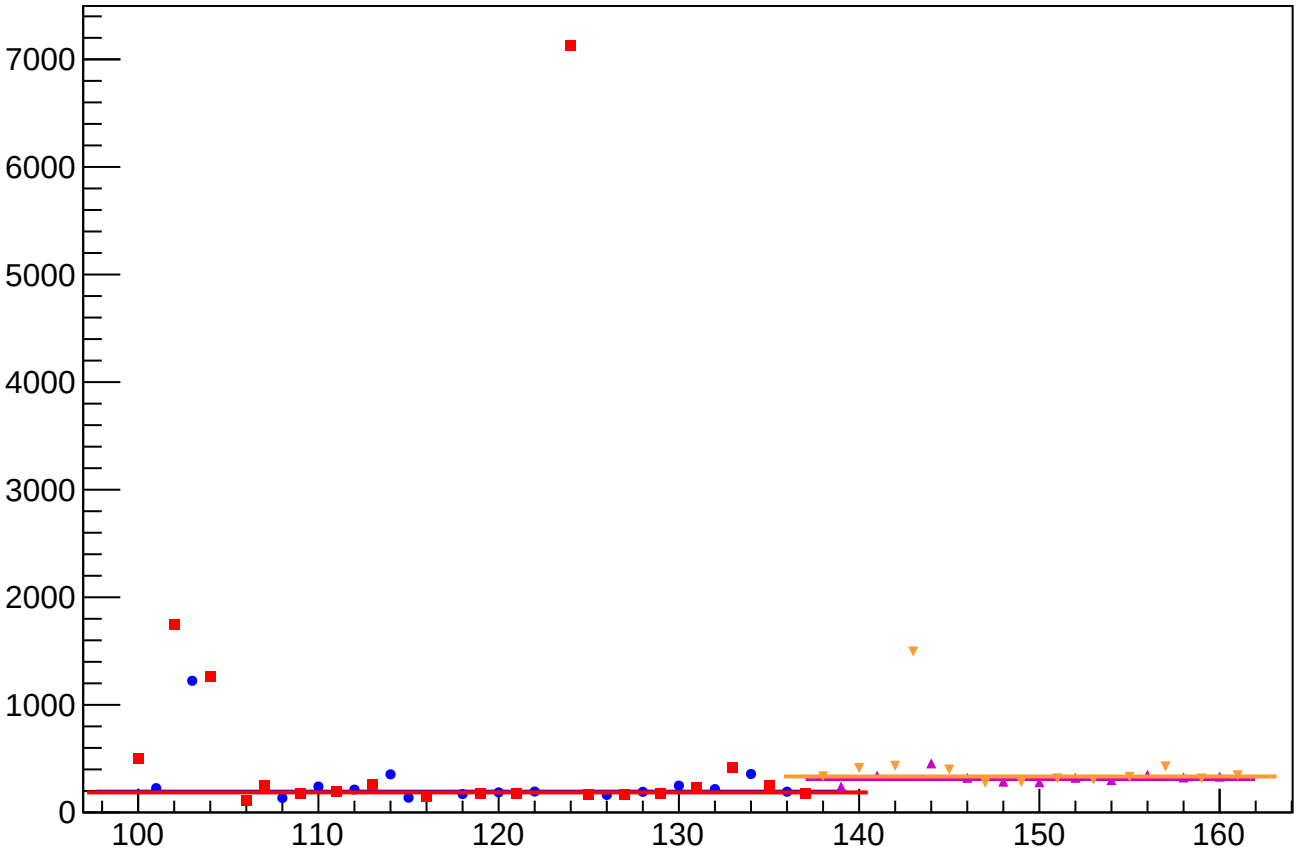
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.023+/-0.103 χ^2/NDF:14.3/10

+ sign -0.039+/-0.063 χ^2/NDF: 32.1/28

All: -0.039+/-0.044 χ^2/NDF: 69.4/58

- sign -0.040+/-0.063 χ^2/NDF: 37.3/29



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 334.549+/-0.077 χ^2/NDF:1362045.0/12

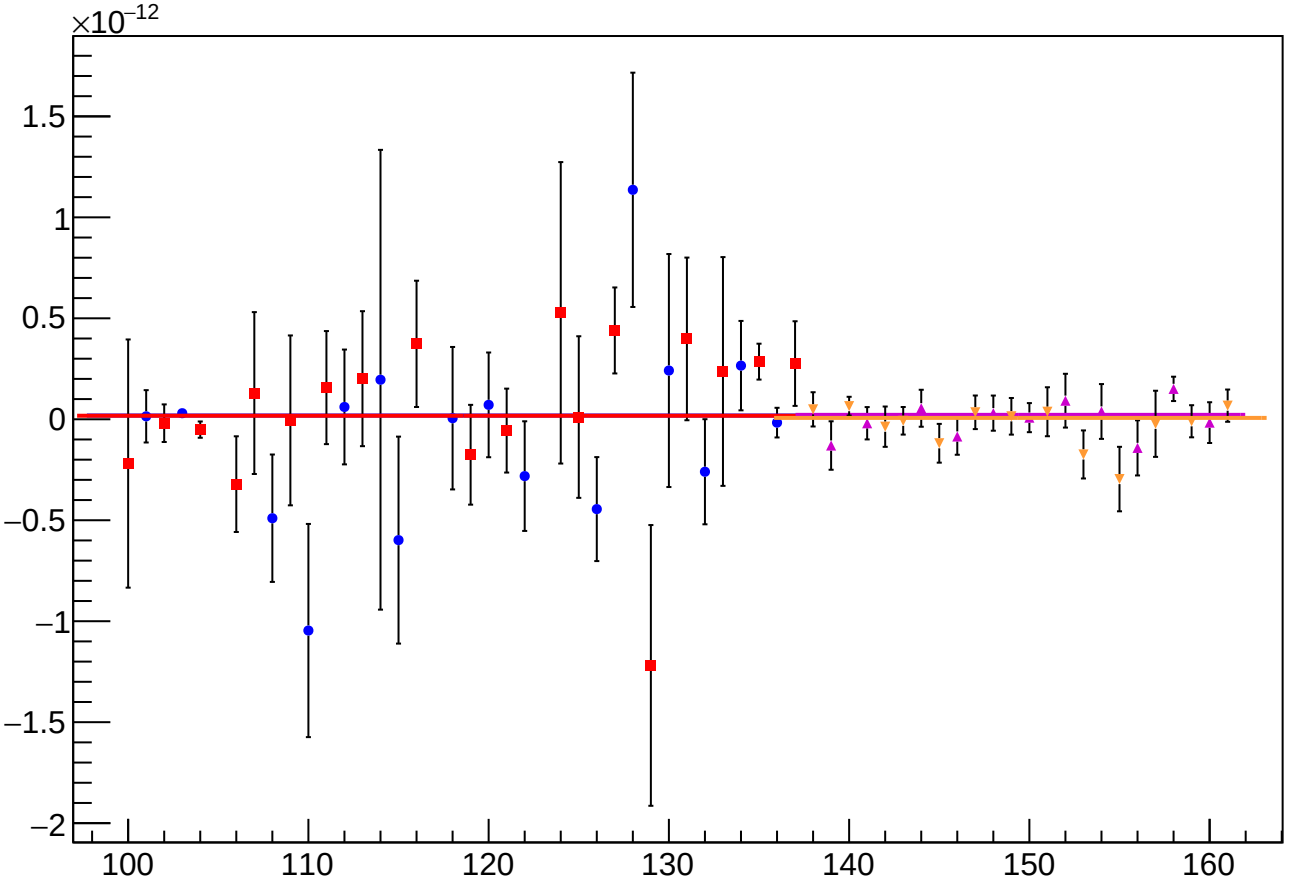
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 310.753+/-0.073 χ^2/NDF:395594.5/10

+ sign 240.923+/-0.045 χ^2/NDF: 4999039.4/28

All: 236.631+/-0.031 χ^2/NDF: 9737815.2/58

- sign 232.443+/-0.044 χ^2/NDF: 4720603.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/12

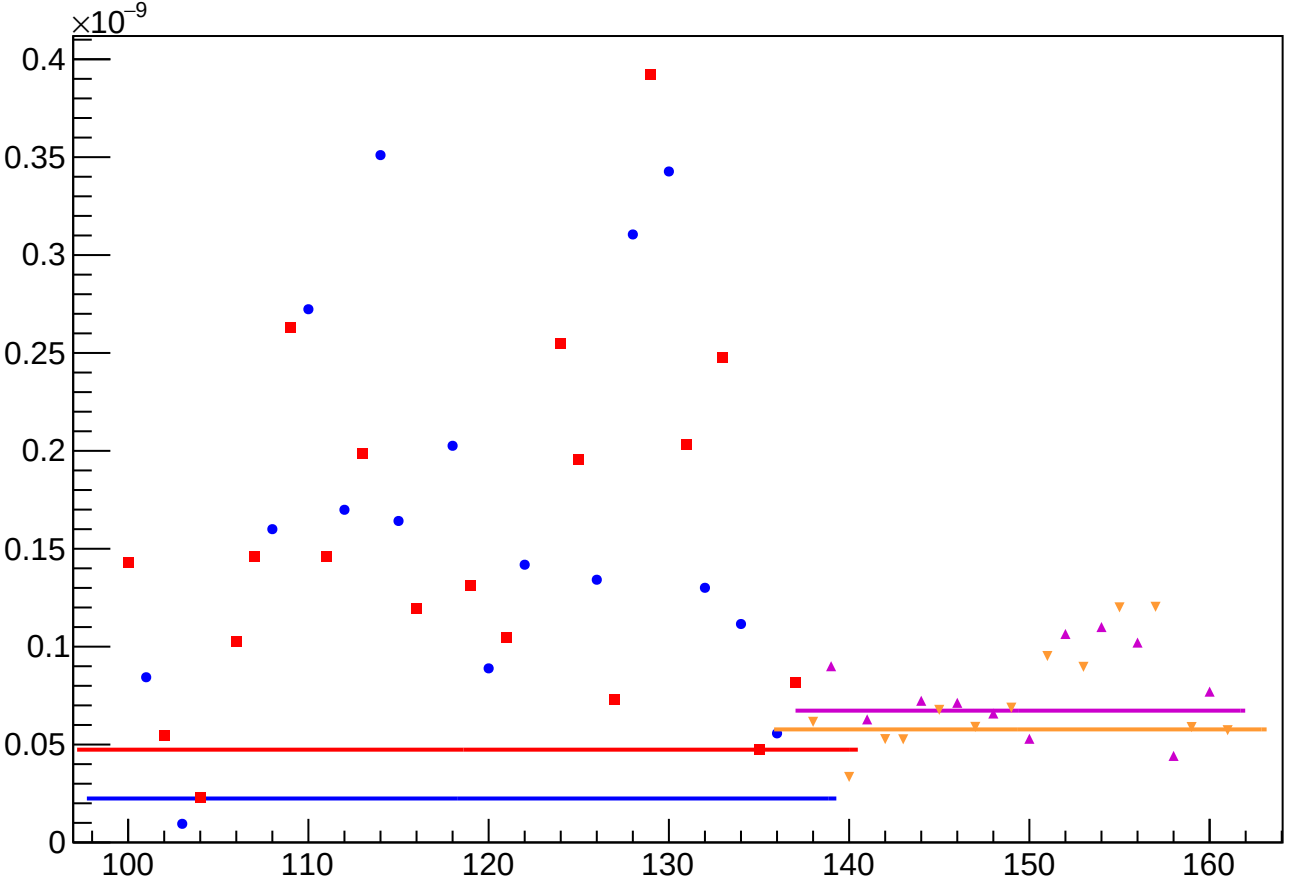
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 30.1/28

All: 0.000+/-0.000 χ^2/NDF: 67.1/58

- sign 0.000+/-0.000 χ^2/NDF: 37.0/29



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1552591.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

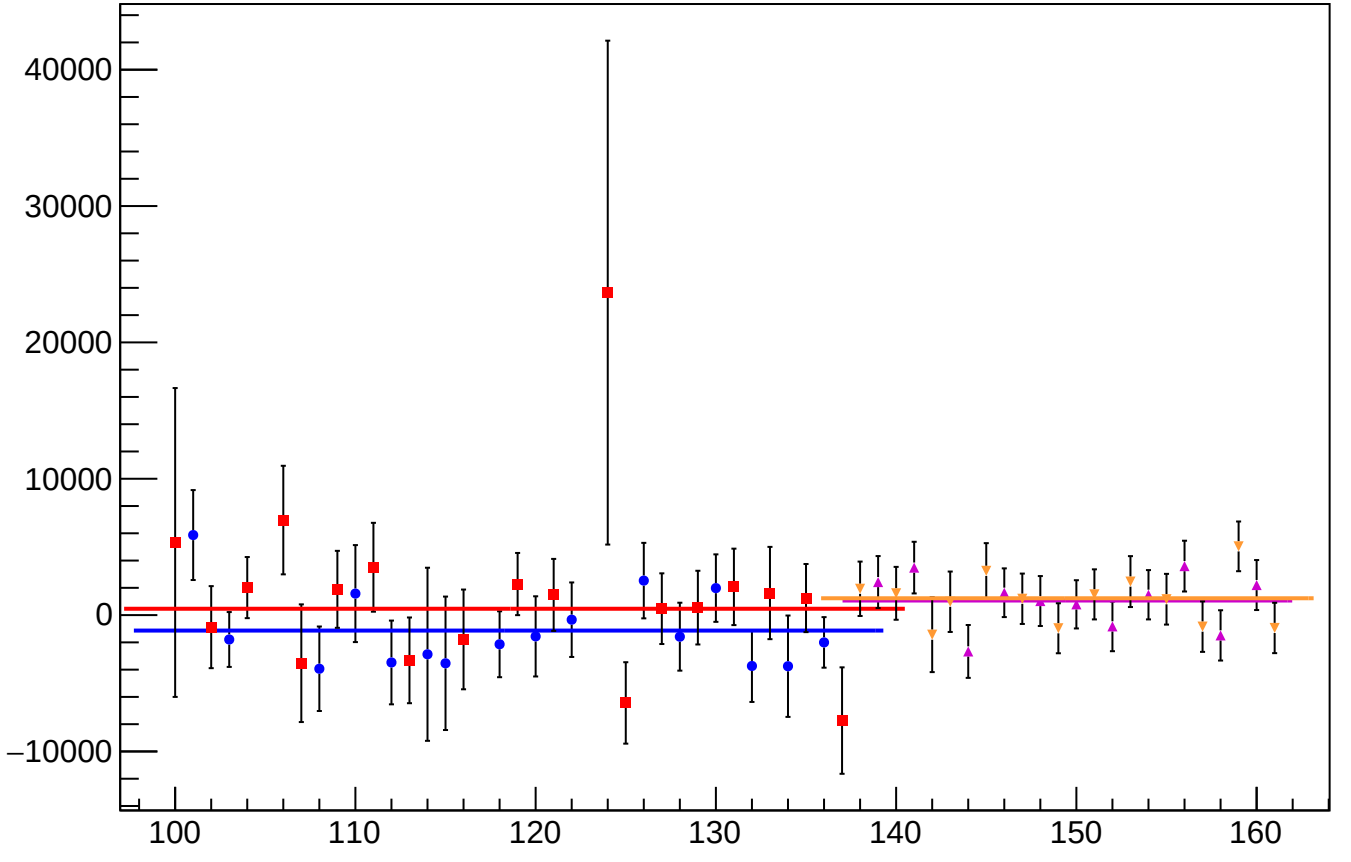
Left In: 0.000+/-0.000 χ^2/NDF:980557.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 10522653.4/28

All: 0.000+/-0.000 χ^2/NDF: 17501853.7/58

- sign 0.000+/-0.000 χ^2/NDF: 5676379.5/29

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1235.087+/-538.828 χ^2/NDF:11.0/12

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

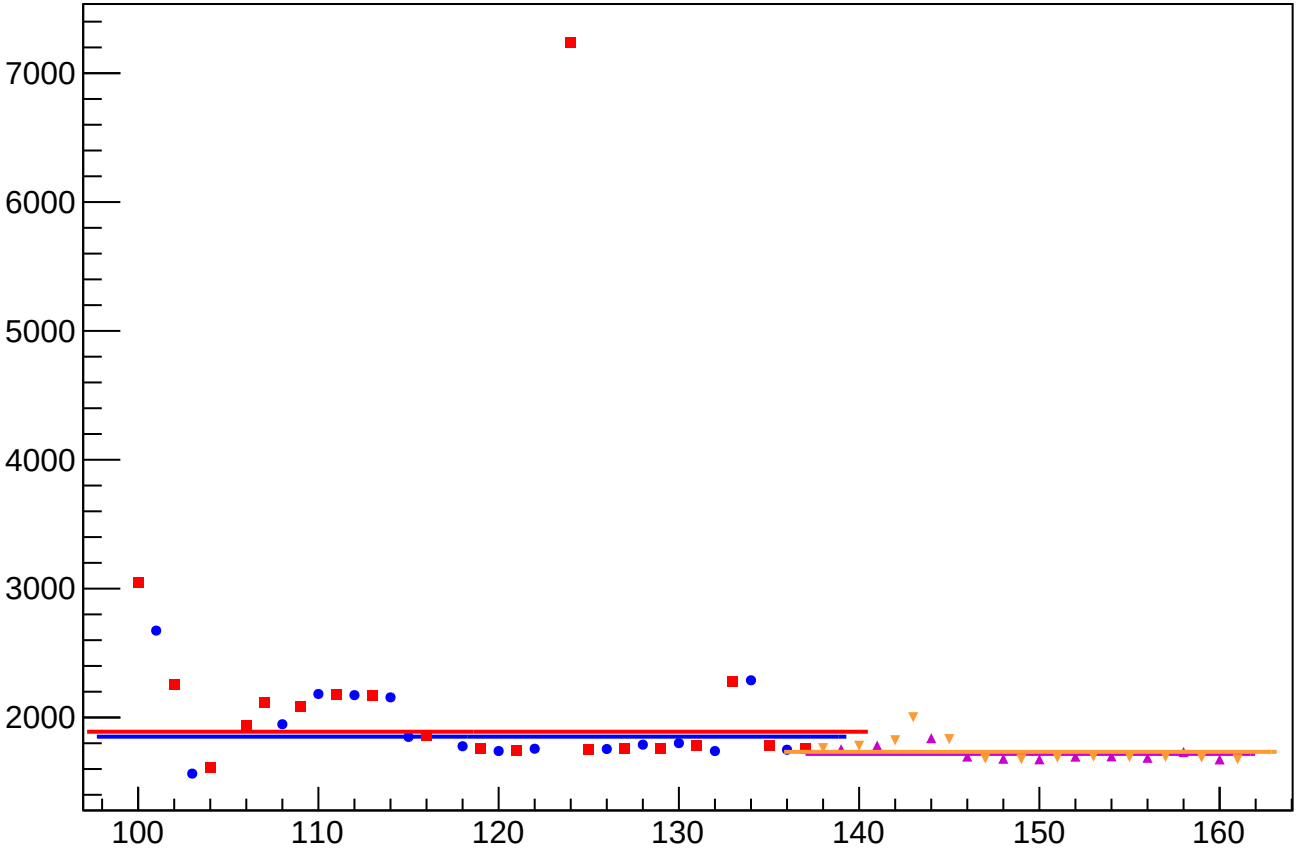
Left In: 1070.137+/-555.706 χ^2/NDF:11.3/10

\+ sign 343.495+/-425.557 χ^2/NDF: 30.5/28

All: 584.784+/-304.759 χ^2/NDF: 62.9/58

\- sign 838.812+/-436.646 χ^2/NDF: 31.7/29

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1733.363+/-0.381 χ^2/NDF:48363.9/12

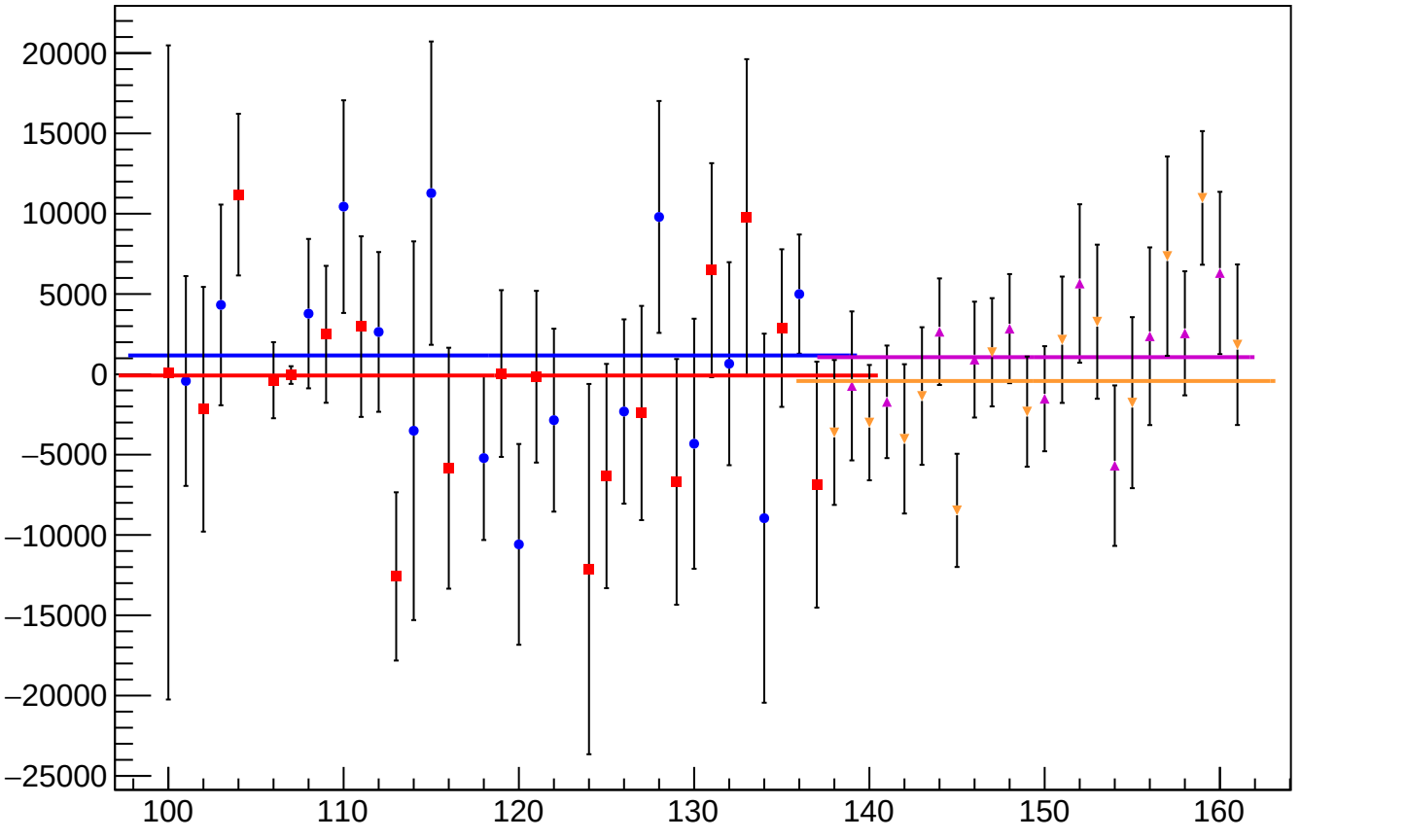
Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1717.484+/-0.393 χ^2/NDF:15407.3/10

+ sign 1777.672+/-0.301 χ^2/NDF: 344291.3/28

All: 1780.512+/-0.215 χ^2/NDF: 792337.0/58

- sign 1783.496+/-0.308 χ^2/NDF: 447863.1/29



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -414.743+/-1156.059 χ^2/NDF:17.9/12

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

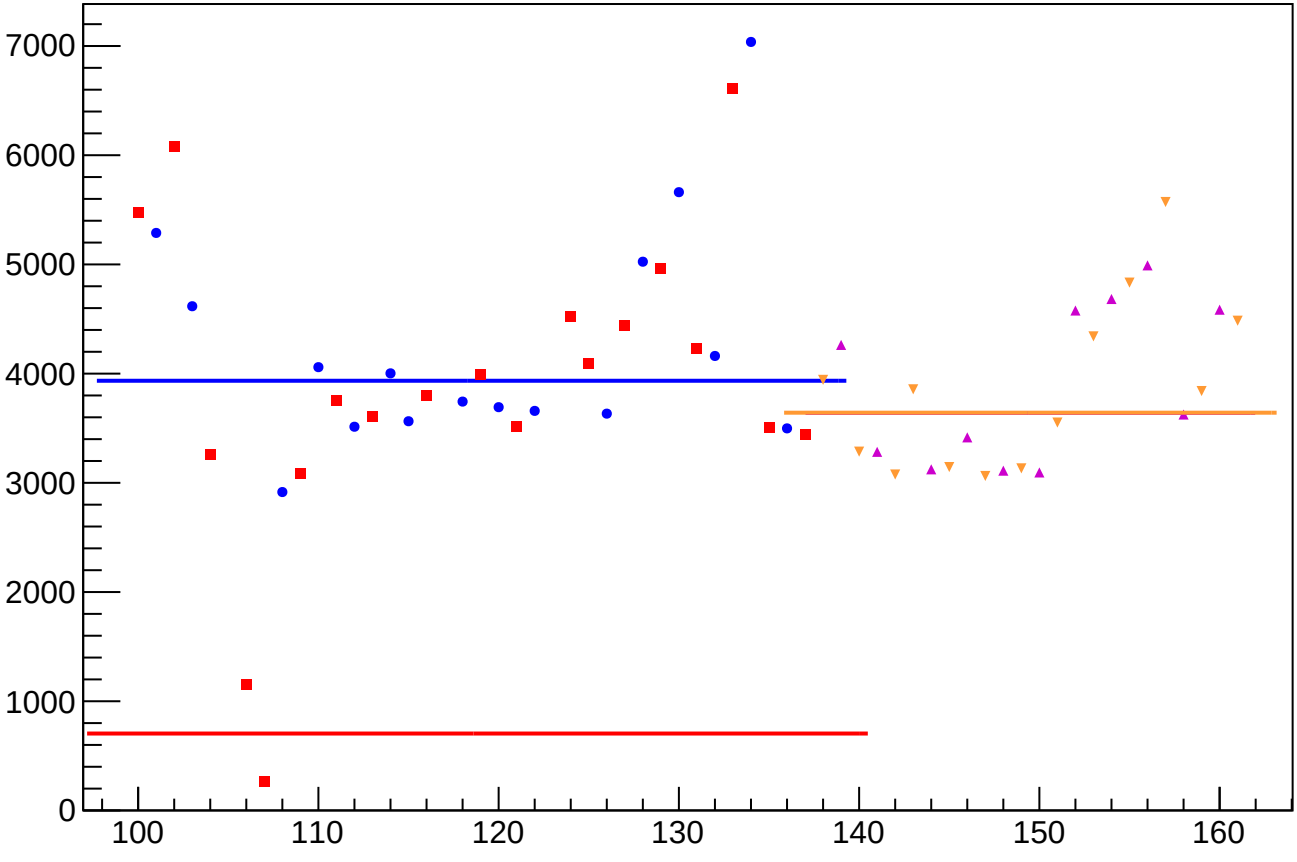
Left In: 1068.801+/-1198.852 χ^2/NDF:5.9/10

+ sign 176.769+/-916.150 χ^2/NDF: 32.3/28

All: 115.571+/-415.312 χ^2/NDF: 56.9/58

- sign 99.741+/-465.938 χ^2/NDF: 24.6/29

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3642.277+/-0.817 χ^2/NDF:604651.4/12

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

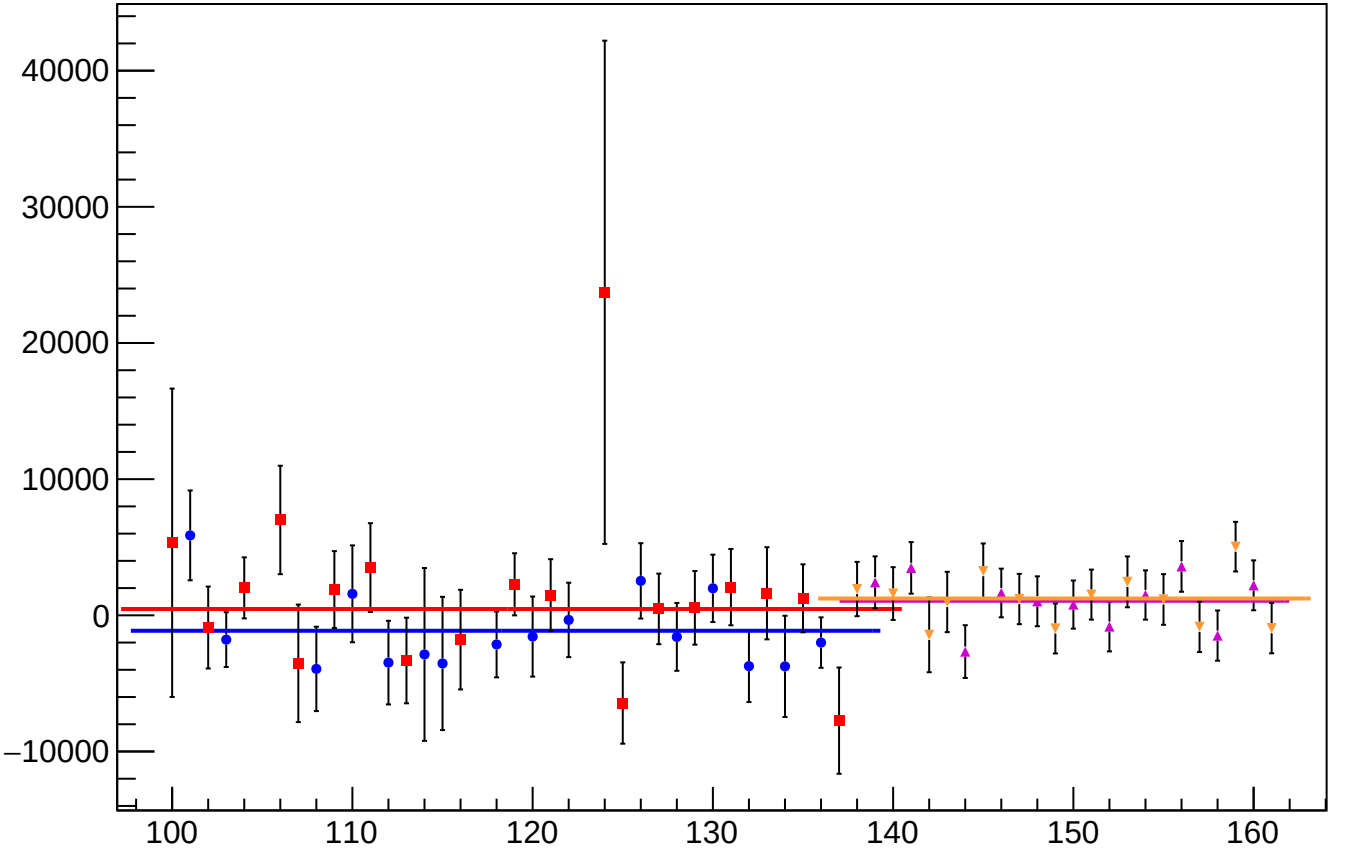
Left In: 3639.651+/-0.848 χ^2/NDF:565757.2/10

+ sign 3751.059+/-0.648 χ^2/NDF: 1212383.7/28

All: 1682.743+/-0.294 χ^2/NDF: 35405400.3/5

- sign 1147.761+/-0.329 χ^2/NDF: 21362698.2/29

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1235.169+/-538.828 χ^2/NDF:11.0/12

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

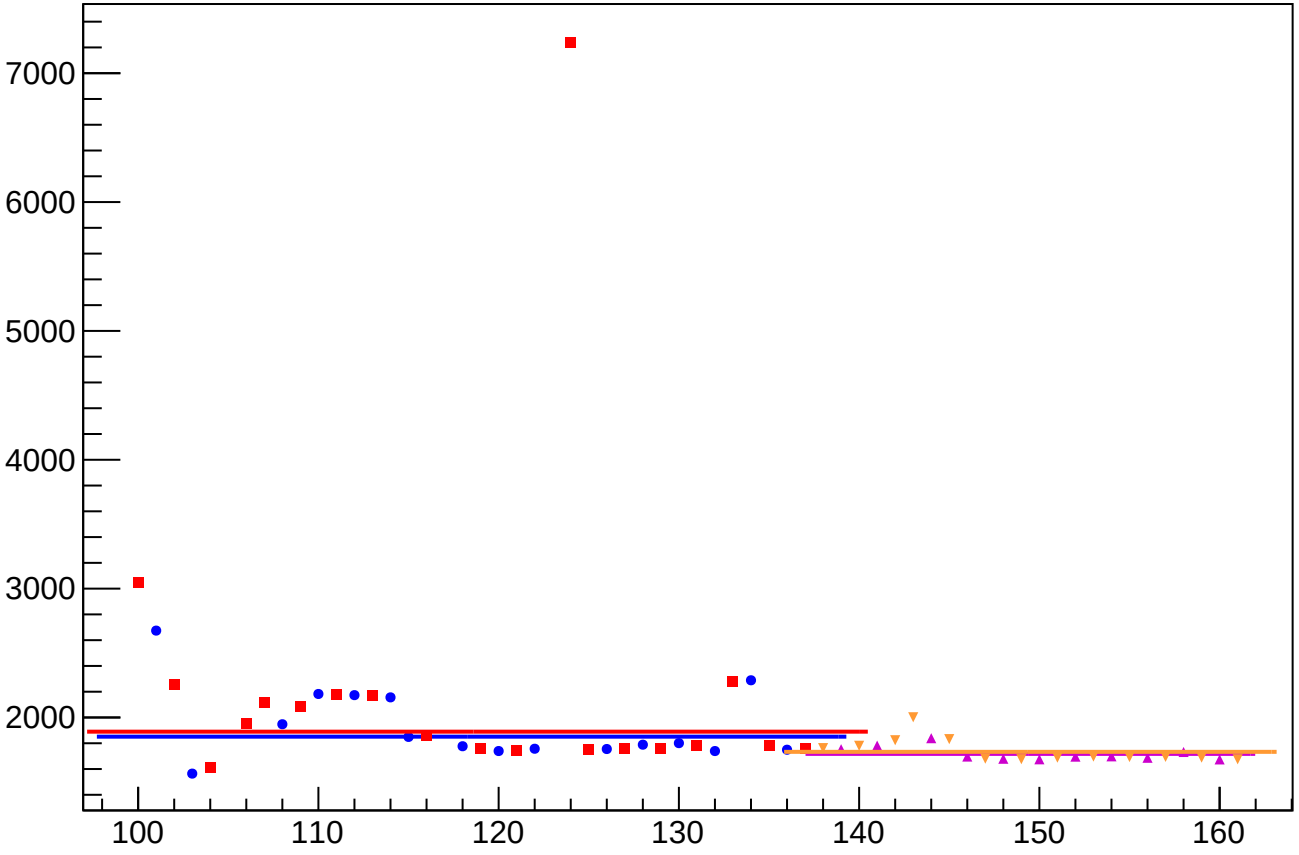
Left In: 1070.091+/-555.706 χ^2/NDF:11.3/10

\+ sign 343.707+/-425.557 χ^2/NDF: 30.5/28

All: 584.950+/-304.759 χ^2/NDF: 62.9/58

\- sign 838.929+/-436.647 χ^2/NDF: 31.7/29

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1733.363+/-0.381 χ^2/NDF:48363.9/12

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

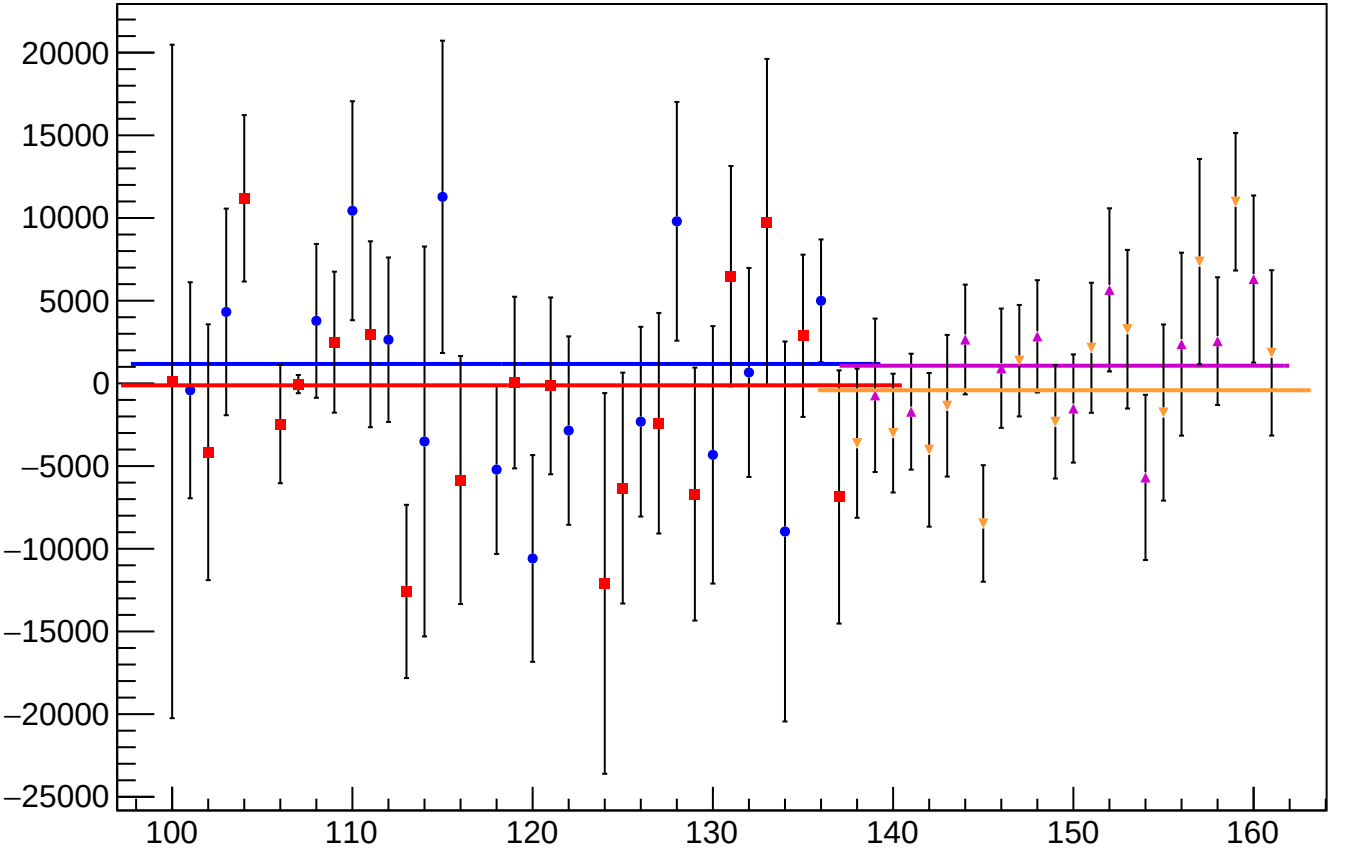
Left In: 1717.484+/-0.393 χ^2/NDF:15407.3/10

+ sign 1777.672+/-0.301 χ^2/NDF: 344290.7/28

All: 1780.588+/-0.215 χ^2/NDF: 792937.8/58

- sign 1783.653+/-0.309 χ^2/NDF: 448454.5/29

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -414.741+/-1156.055 χ^2/NDF:17.9/12

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

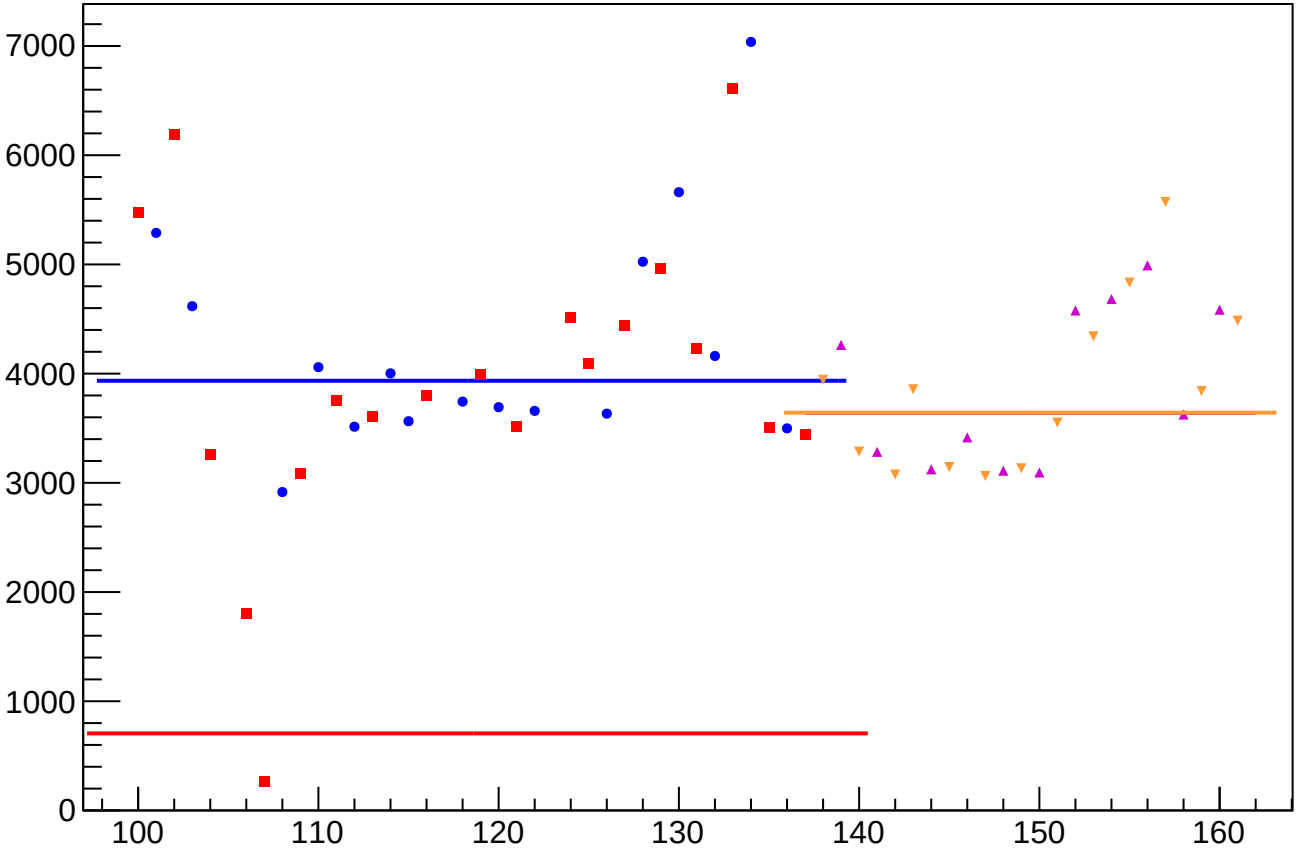
Left In: 1068.815+/-1198.852 χ^2/NDF:5.9/10

\+ sign 176.757+/-916.150 χ^2/NDF: 32.3/28

All: 89.961+/-418.942 χ^2/NDF: 57.6/58

\- sign 67.012+/-471.082 χ^2/NDF: 25.3/29

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3642.265+/-0.817 χ^2/NDF:604657.2/12

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

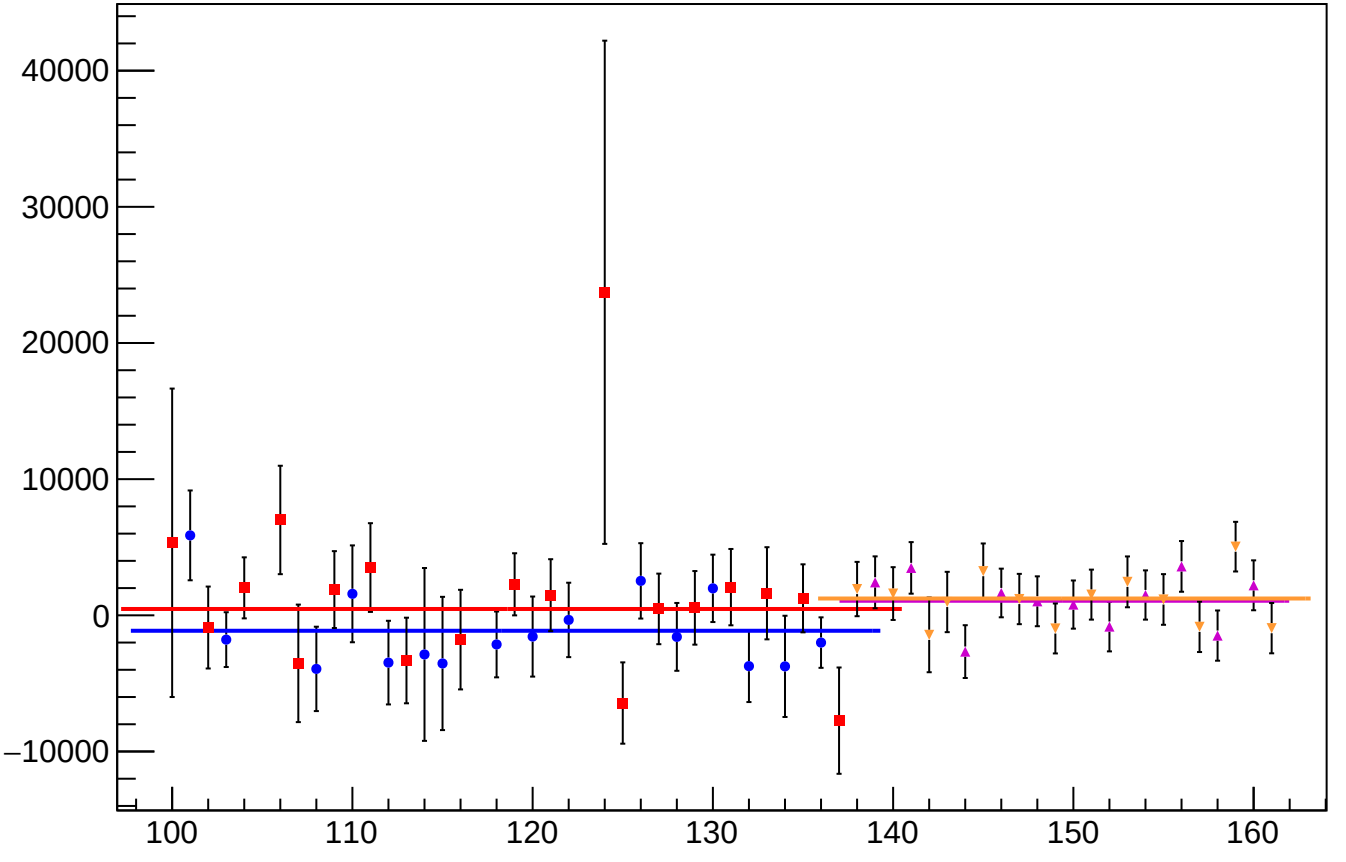
Left In: 3639.652+/-0.848 χ^2/NDF:565746.7/10

+ sign 3751.054+/-0.648 χ^2/NDF: 1212420.1/28

All: 1700.748+/-0.296 χ^2/NDF: 35320330.6/5

- sign 1158.649+/-0.333 χ^2/NDF: 21442522.0/29

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1235.169+/-538.828 χ^2/NDF:11.0/12

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

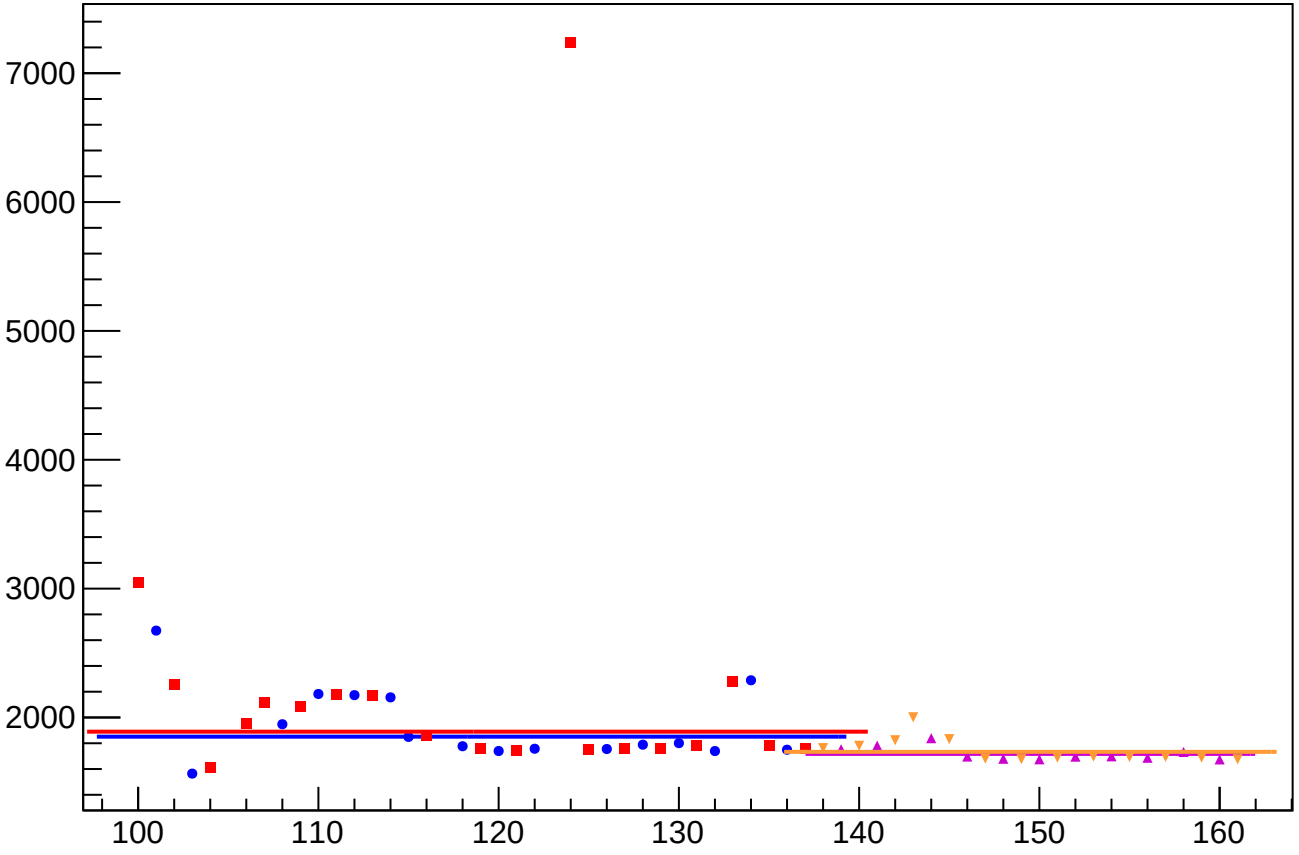
Left In: 1070.091+/-555.706 χ^2/NDF:11.3/10

\+ sign 343.707+/-425.557 χ^2/NDF: 30.5/28

All: 584.950+/-304.759 χ^2/NDF: 62.9/58

\- sign 838.929+/-436.647 χ^2/NDF: 31.7/29

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1733.363+/-0.381 χ^2/NDF:48363.9/12

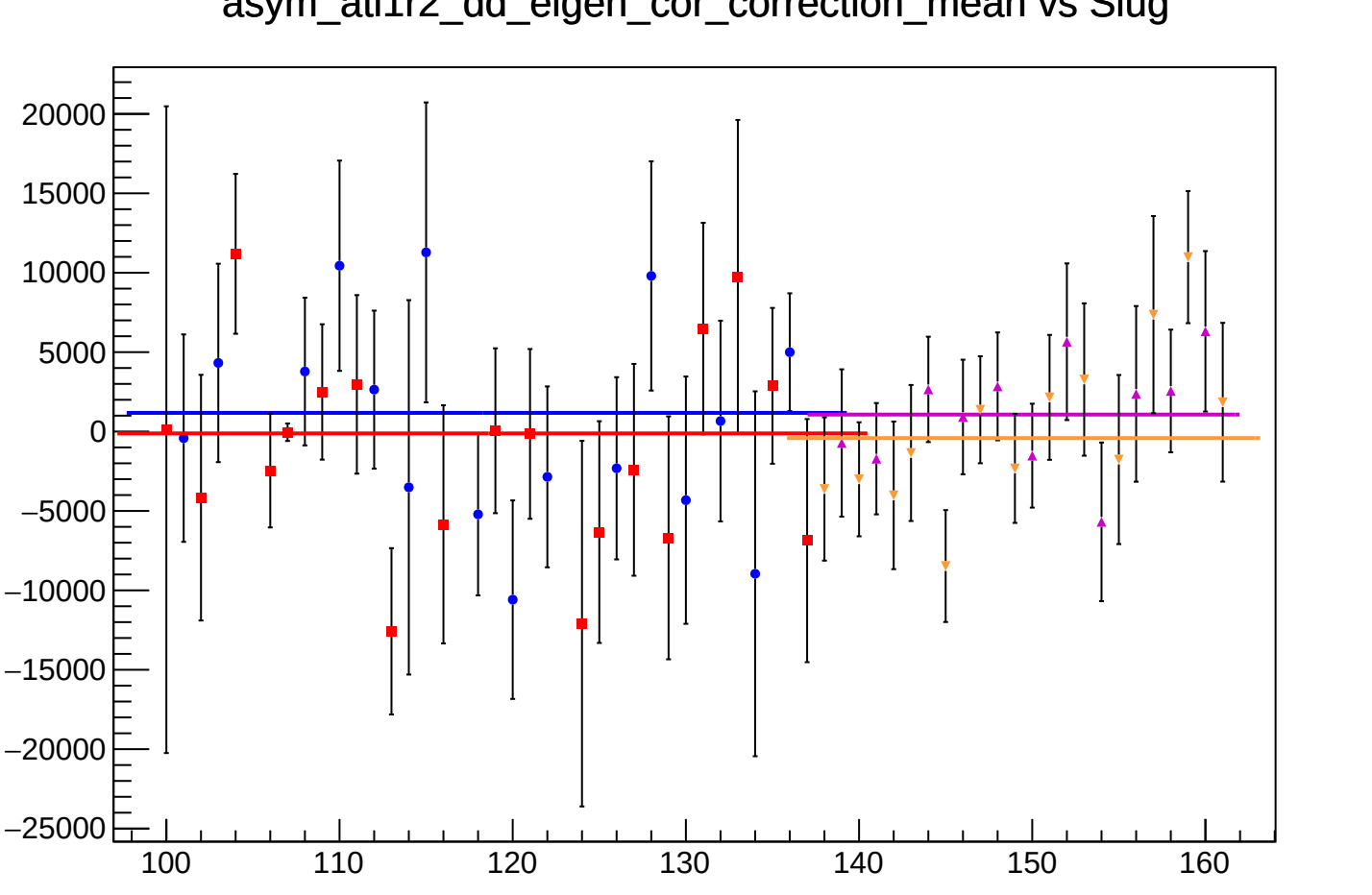
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1717.484+/-0.393 χ^2/NDF:15407.3/10

+ sign 1777.672+/-0.301 χ^2/NDF: 344290.7/28

All: 1780.588+/-0.215 χ^2/NDF: 792937.8/58

- sign 1783.653+/-0.309 χ^2/NDF: 448454.5/29



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -414.741+/-1156.055 χ^2/NDF:17.9/12

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

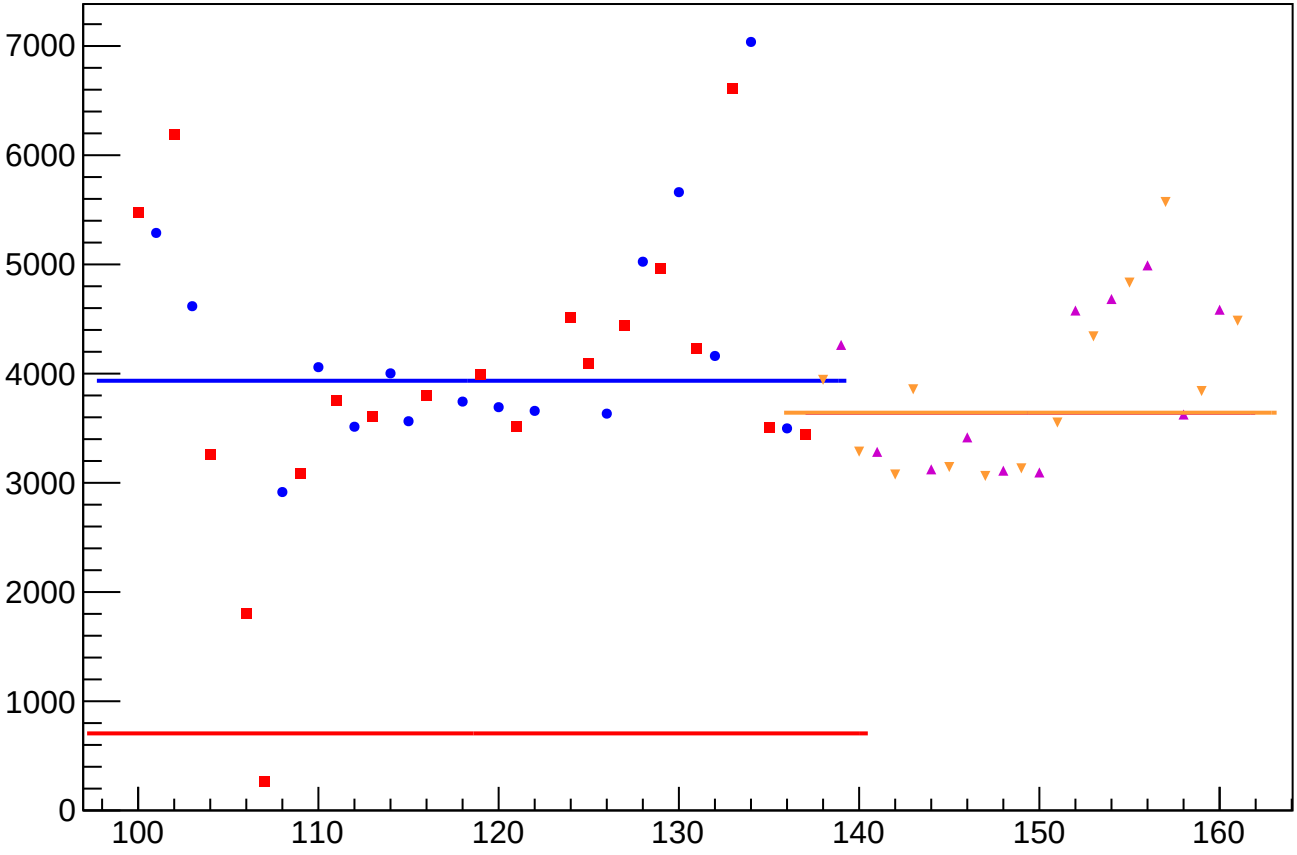
Left In: 1068.815+/-1198.852 χ^2/NDF:5.9/10

+ sign 176.757+/-916.150 χ^2/NDF: 32.3/28

All: 89.961+/-418.942 χ^2/NDF: 57.6/58

- sign 67.012+/-471.082 χ^2/NDF: 25.3/29

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3642.265+/-0.817 χ^2/NDF:604657.2/12

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

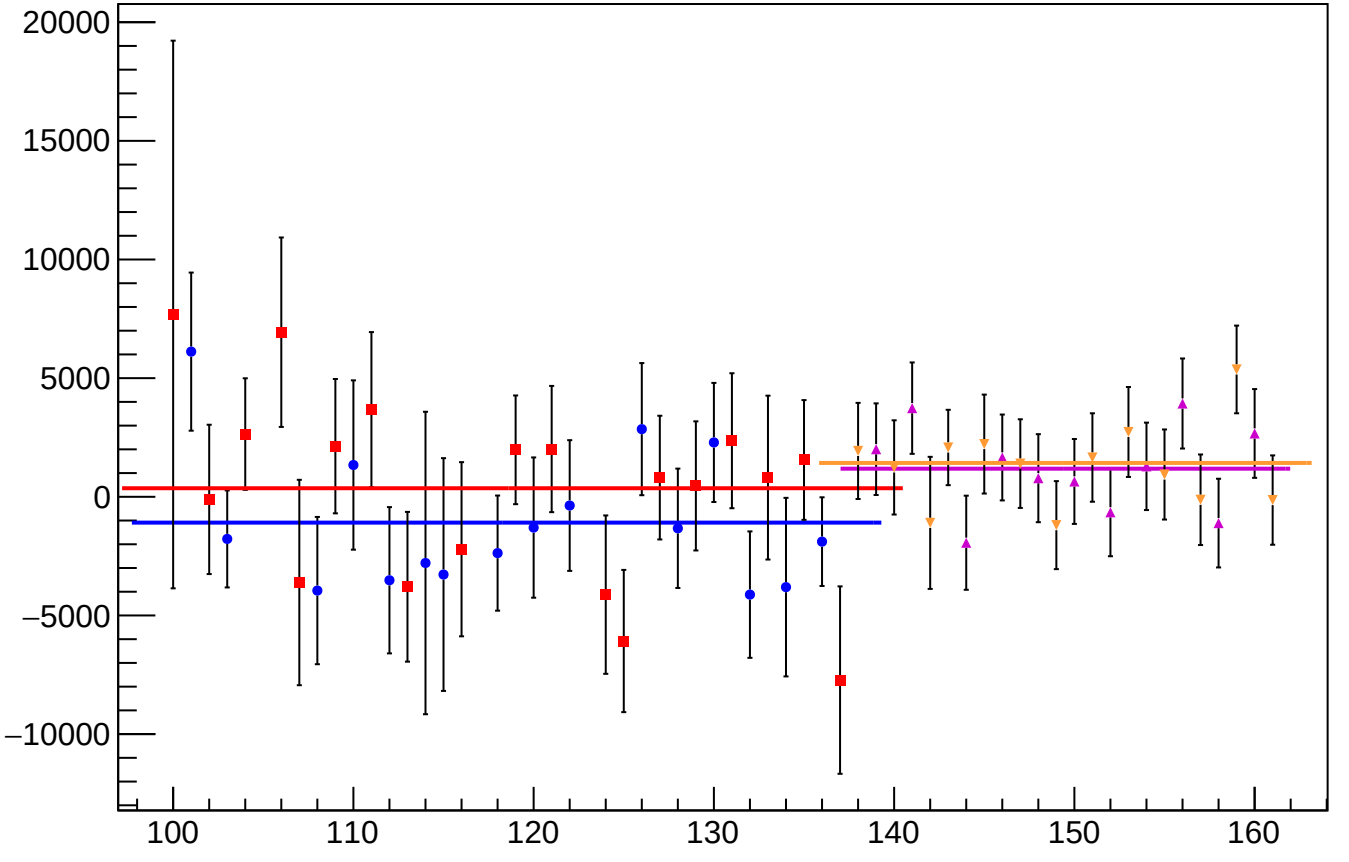
Left In: 3639.652+/-0.848 χ^2/NDF:565746.7/10

+ sign 3751.054+/-0.648 χ^2/NDF: 1212420.1/28

All: 1700.748+/-0.296 χ^2/NDF: 35320330.6/5

- sign 1158.649+/-0.333 χ^2/NDF: 21442522.0/29

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1427.271+/-532.651 χ^2/NDF:9.7/12

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

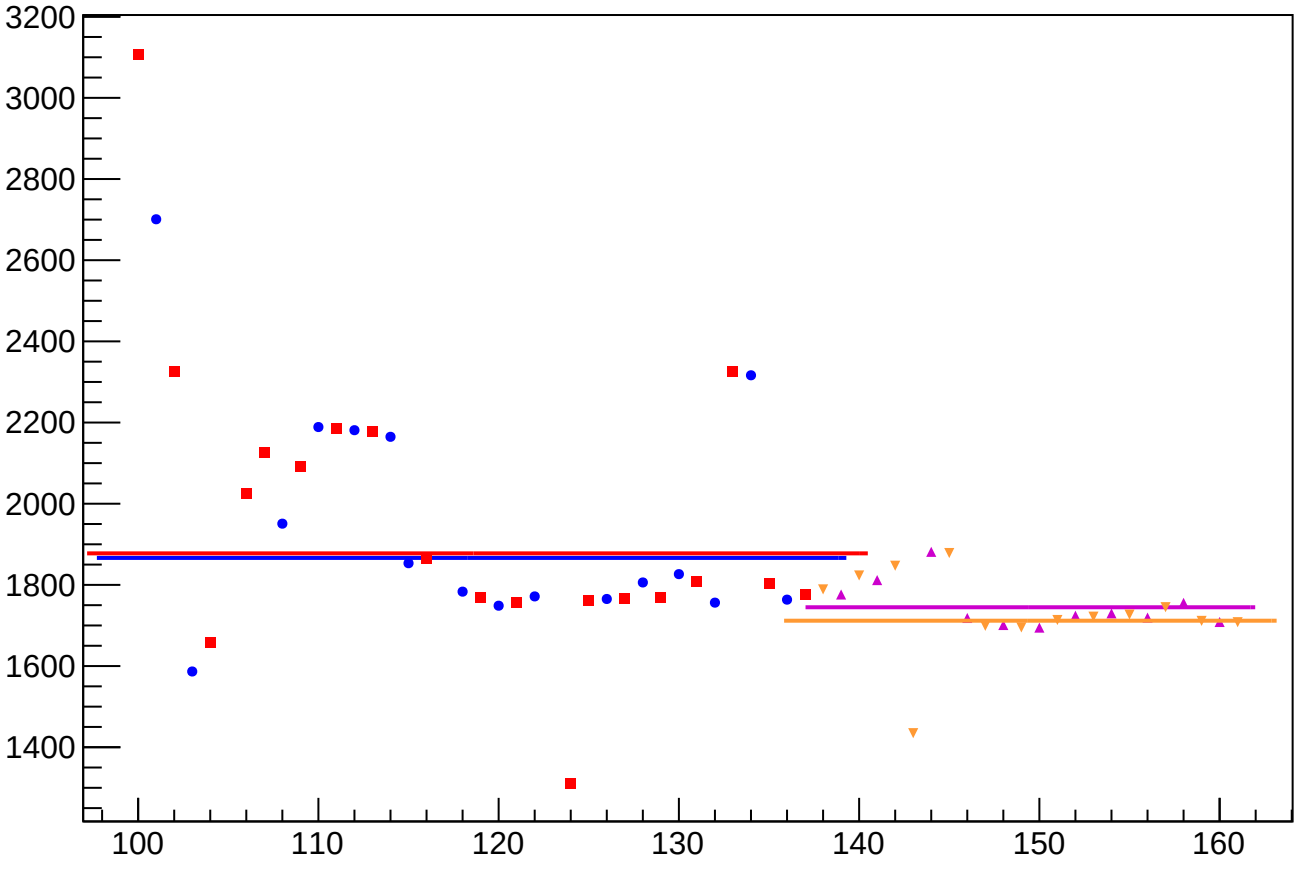
Left In: 1184.594+/-564.598 χ^2/NDF:9.8/10

\+ sign 504.334+/-423.793 χ^2/NDF: 31.0/28

All: 675.686+/-305.029 χ^2/NDF: 62.9/58

\- sign 859.878+/-439.382 χ^2/NDF: 31.5/29

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1711.752+/-0.377 χ^2/NDF:88719.5/12

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

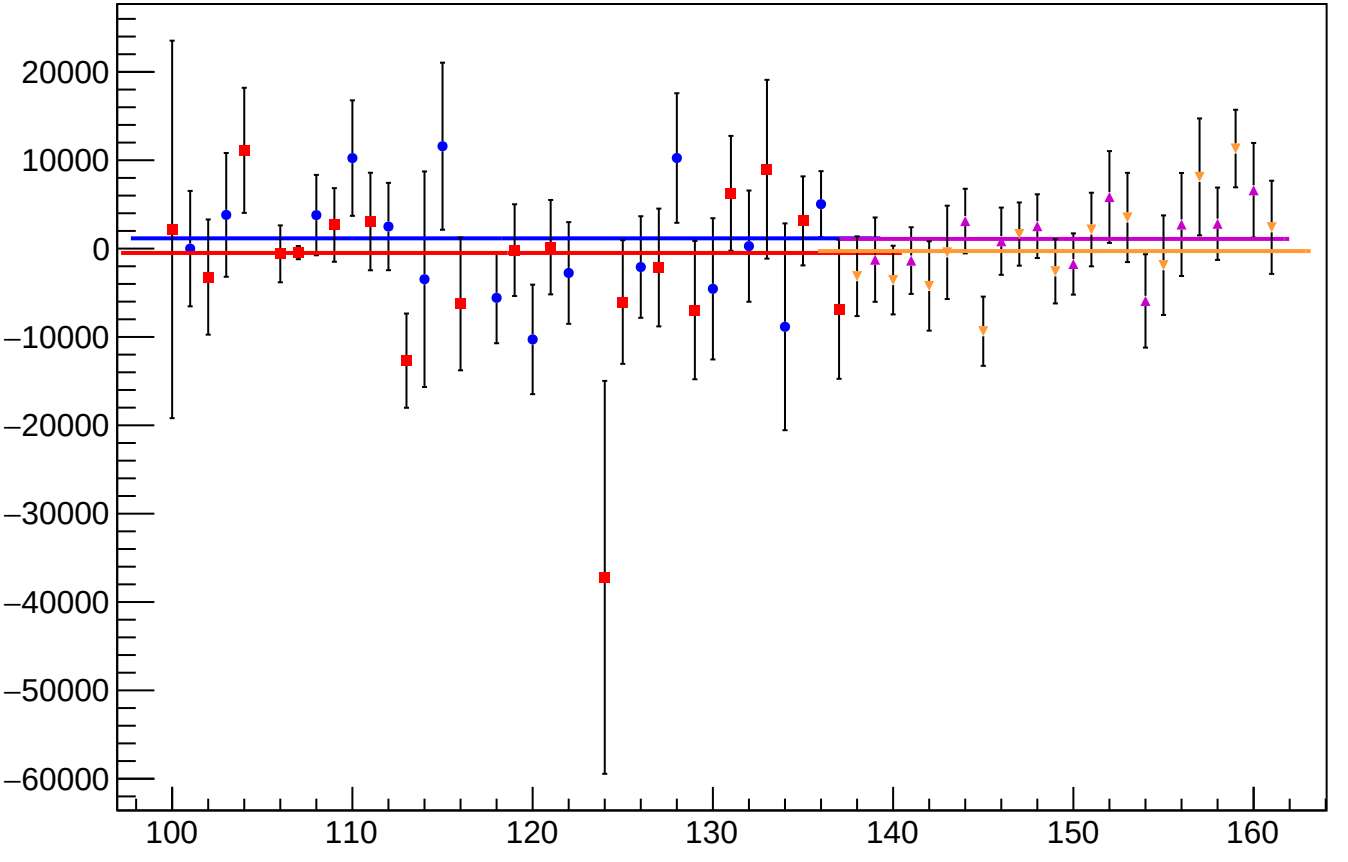
Left In: 1744.865+/-0.399 χ^2/NDF:17113.7/10

+ sign 1768.524+/-0.300 χ^2/NDF: 406894.4/28

All: 1782.391+/-0.216 χ^2/NDF: 723976.8/58

- sign 1797.287+/-0.311 χ^2/NDF: 312640.9/29

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -279.358+/-1241.927 χ^2/NDF:17.6/12

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

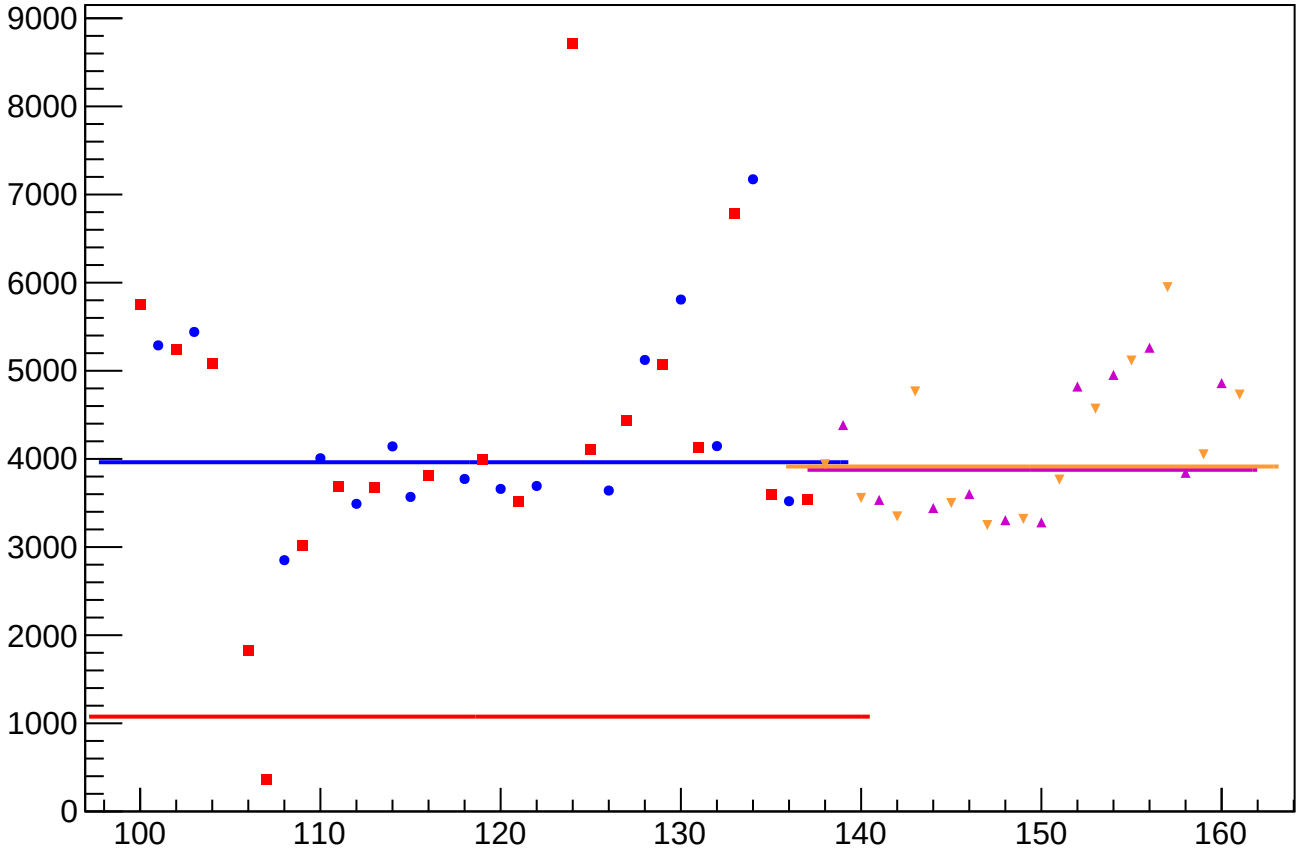
Left In: 1095.892+/-1275.318 χ^2/NDF:5.7/10

+ sign 300.860+/-959.750 χ^2/NDF: 31.8/28

All: -34.009+/-499.591 χ^2/NDF: 55.9/58

- sign -158.472+/-585.113 χ^2/NDF: 23.9/29

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3913.891+/-0.878 χ^2/NDF:605366.7/12

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

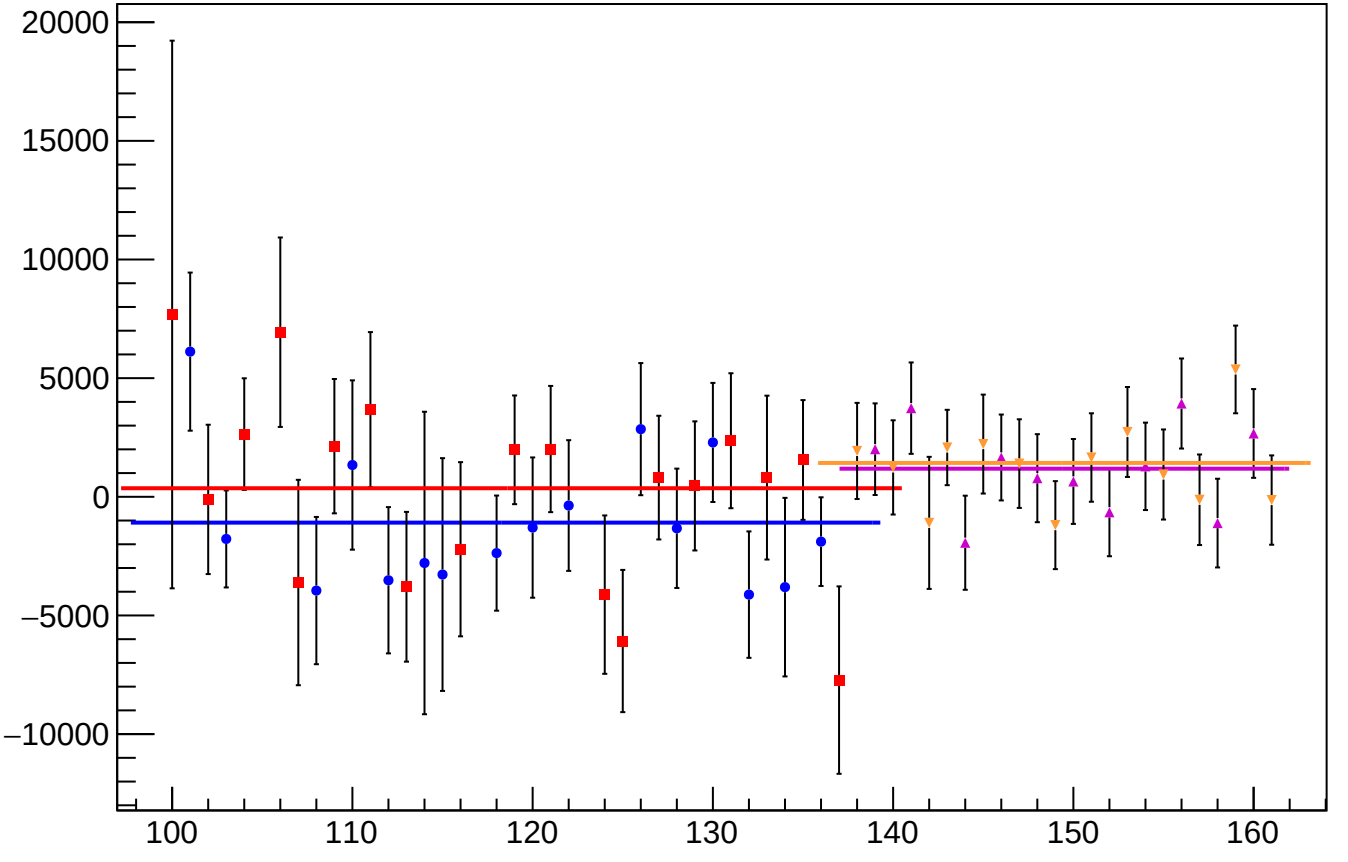
Left In: 3876.578+/-0.902 χ^2/NDF:516514.2/10

+ sign 3933.417+/-0.679 χ^2/NDF: 1274933.6/28

All: 2280.007+/-0.353 χ^2/NDF: 27106489.9/5

- sign 1665.475+/-0.414 χ^2/NDF: 17689643.5/29

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1427.276+/-532.651 χ^2/NDF:9.7/12

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

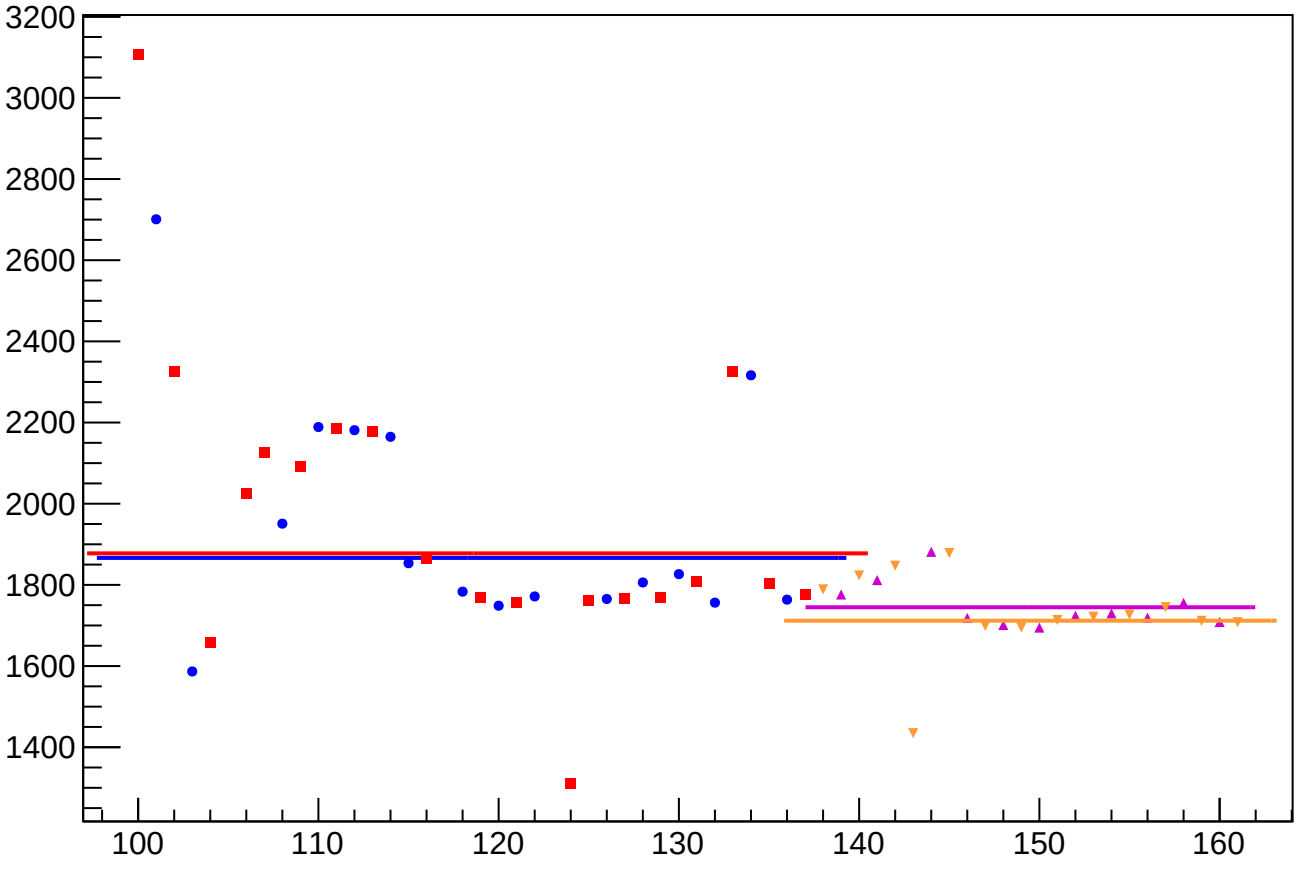
Left In: 1184.594+/-564.598 χ^2/NDF:9.8/10

+ sign 504.335+/-423.793 χ^2/NDF: 31.0/28

All: 675.688+/-305.029 χ^2/NDF: 62.9/58

- sign 859.880+/-439.383 χ^2/NDF: 31.5/29

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1711.753+/-0.377 χ^2/NDF:88718.6/12

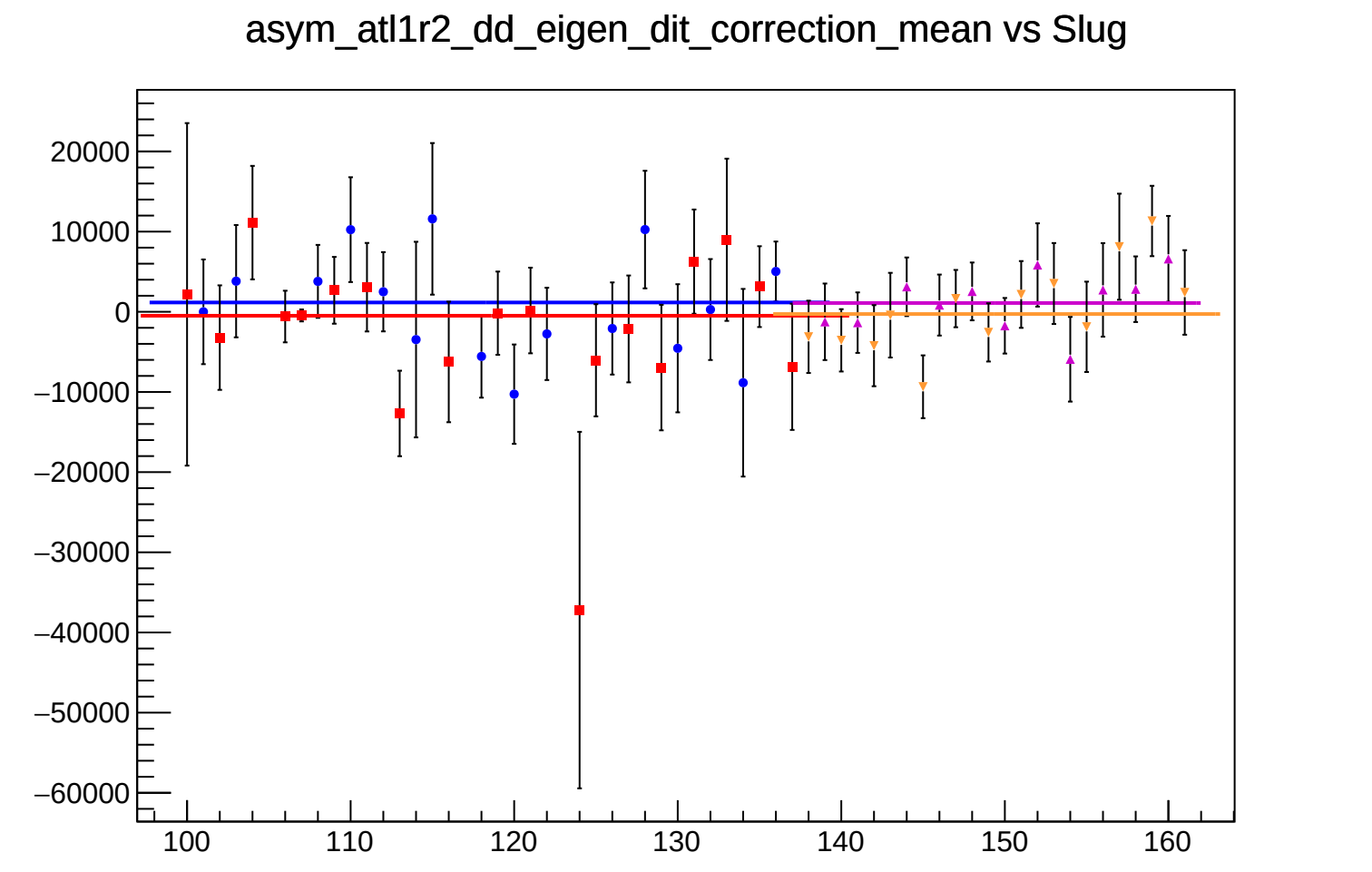
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1744.865+/-0.399 χ^2/NDF:17113.6/10

+ sign 1768.525+/-0.300 χ^2/NDF: 406892.5/28

All: 1782.392+/-0.216 χ^2/NDF: 723974.7/58

- sign 1797.288+/-0.311 χ^2/NDF: 312640.7/29



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -279.358+/-1241.929 χ^2/NDF:17.6/12

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

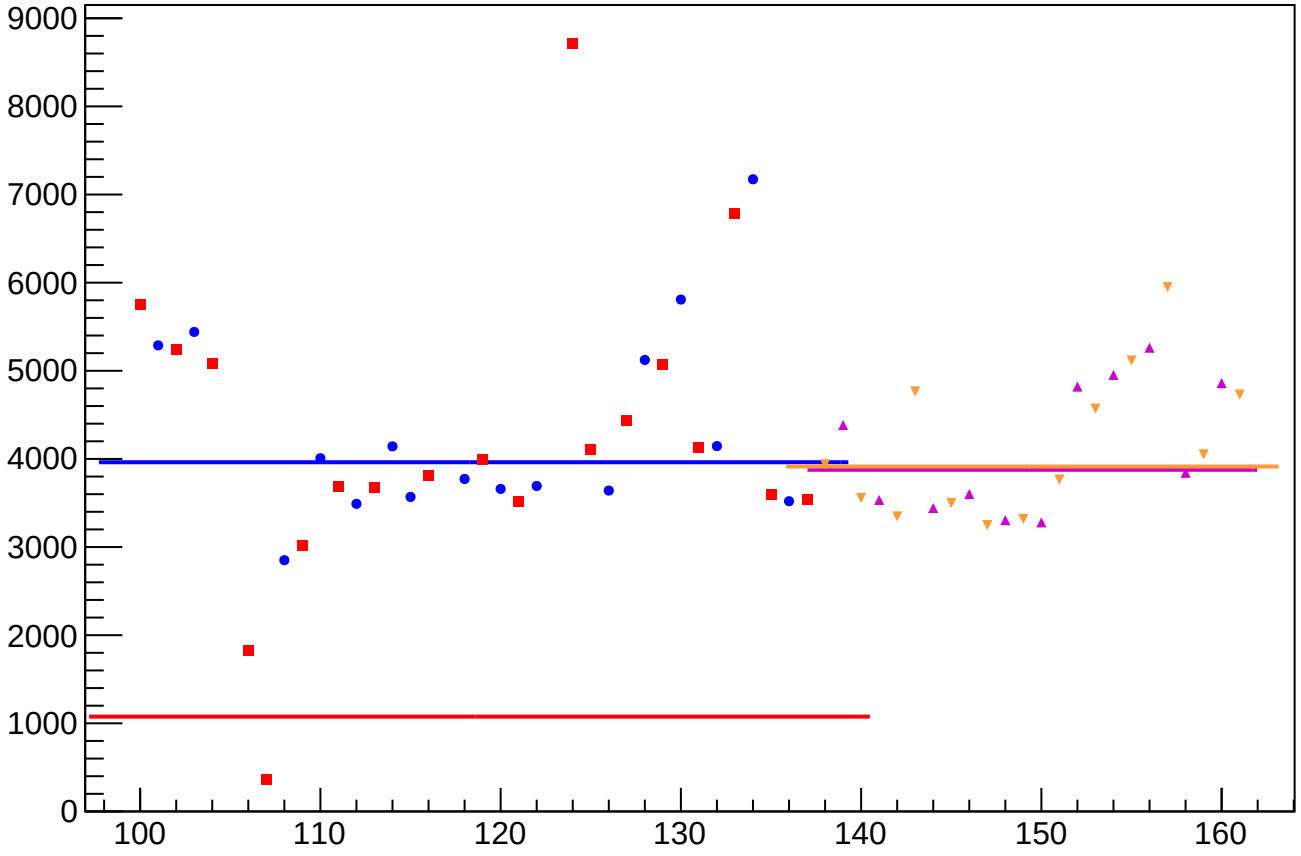
Left In: 1095.890+/-1275.320 χ^2/NDF:5.7/10

+ sign 300.854+/-959.750 χ^2/NDF: 31.8/28

All: -34.007+/-499.595 χ^2/NDF: 55.9/58

- sign -158.470+/-585.121 χ^2/NDF: 23.9/29

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3913.896+/-0.878 χ^2/NDF:605364.3/12

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

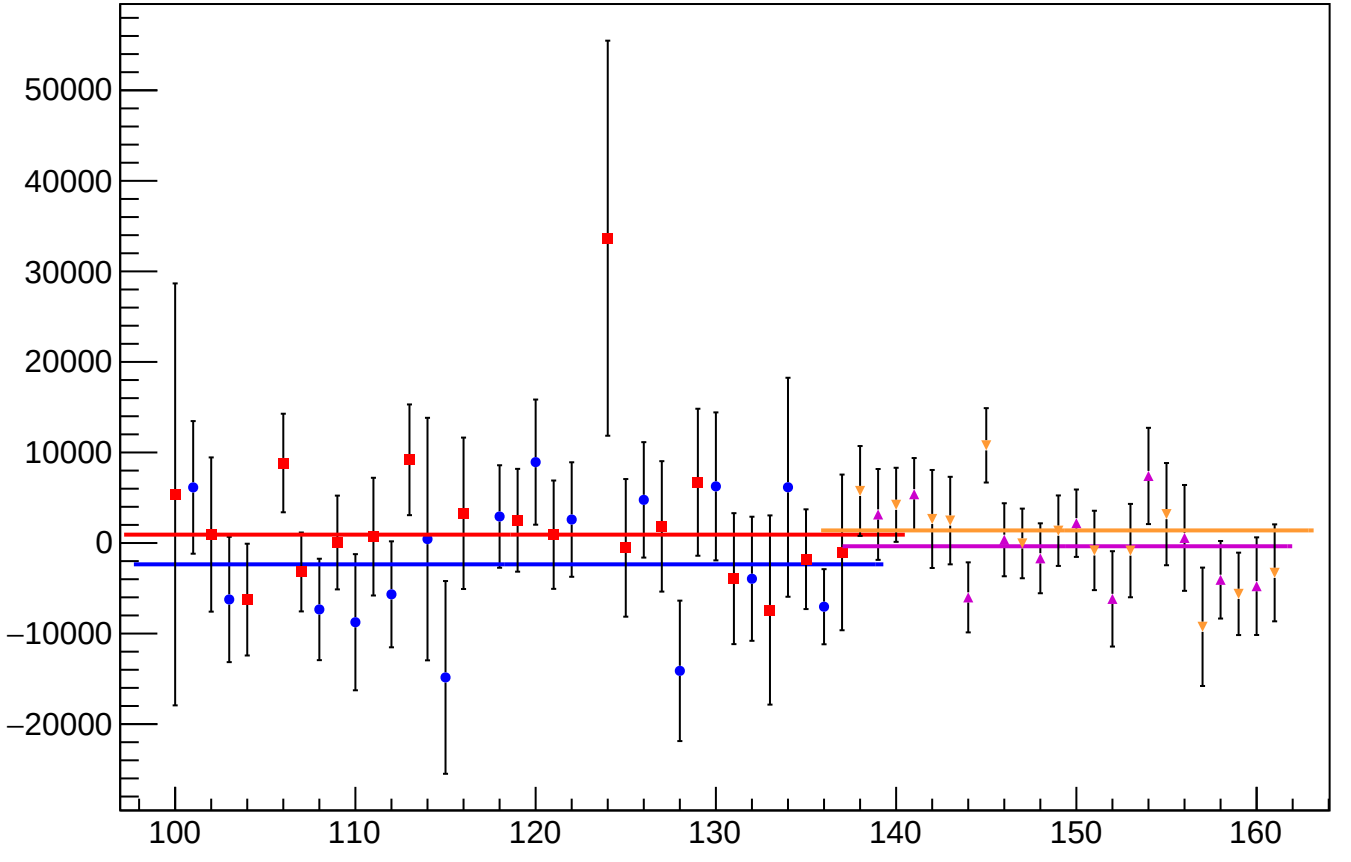
Left In: 3876.582+/-0.902 χ^2/NDF:516512.2/10

+ sign 3933.417+/-0.679 χ^2/NDF: 1274927.1/28

All: 2280.048+/-0.353 χ^2/NDF: 27105803.8/5

- sign 1665.515+/-0.414 χ^2/NDF: 17689304.1/29

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1391.260+/-1293.376 χ^2/NDF:13.1/12

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

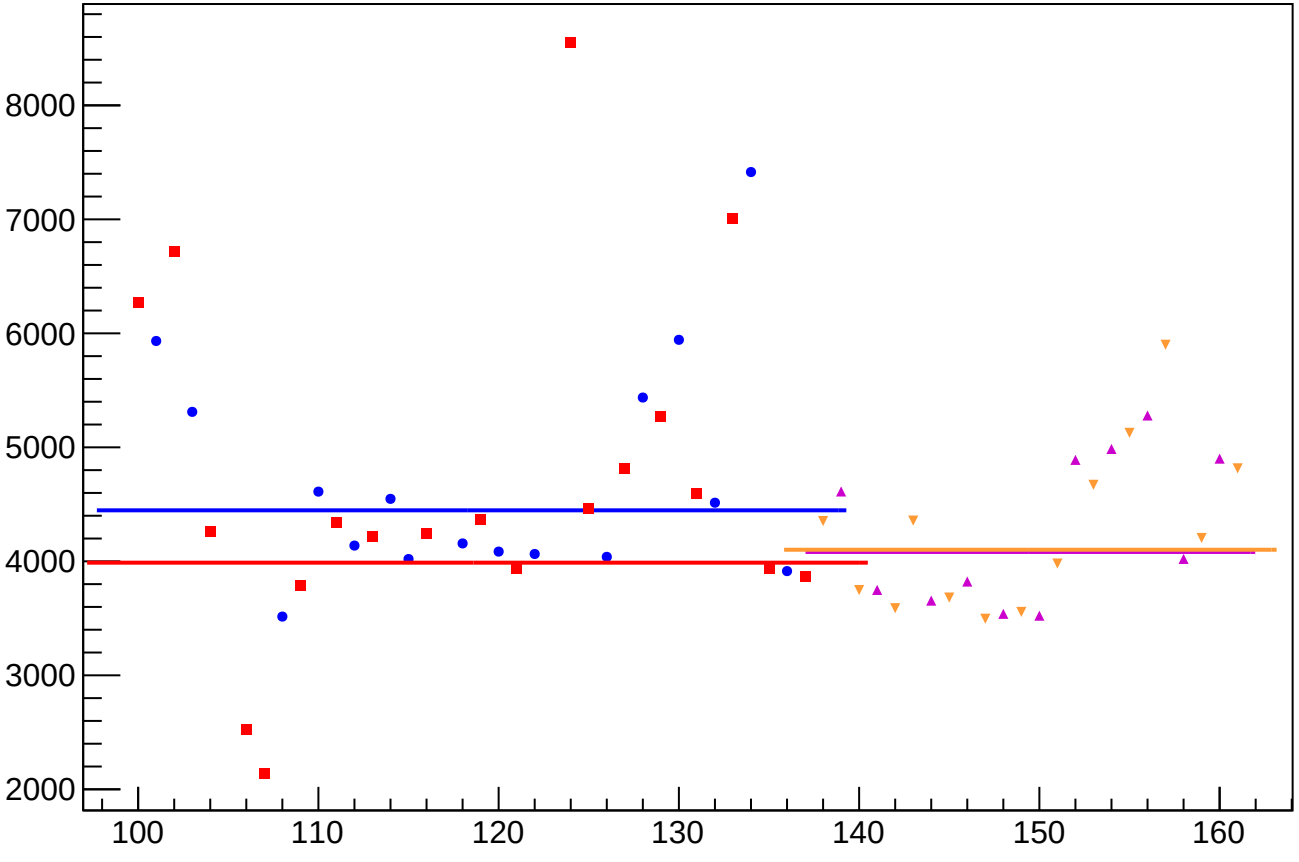
Left In: -357.767+/-1336.798 χ^2/NDF:10.1/10

+ sign 2.183+/-1025.929 χ^2/NDF: 31.7/28

All: 97.736+/-720.266 χ^2/NDF: 52.8/58

- sign 190.610+/-1011.445 χ^2/NDF: 21.1/29

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4101.639+/-0.915 χ^2/NDF:433142.7/12

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

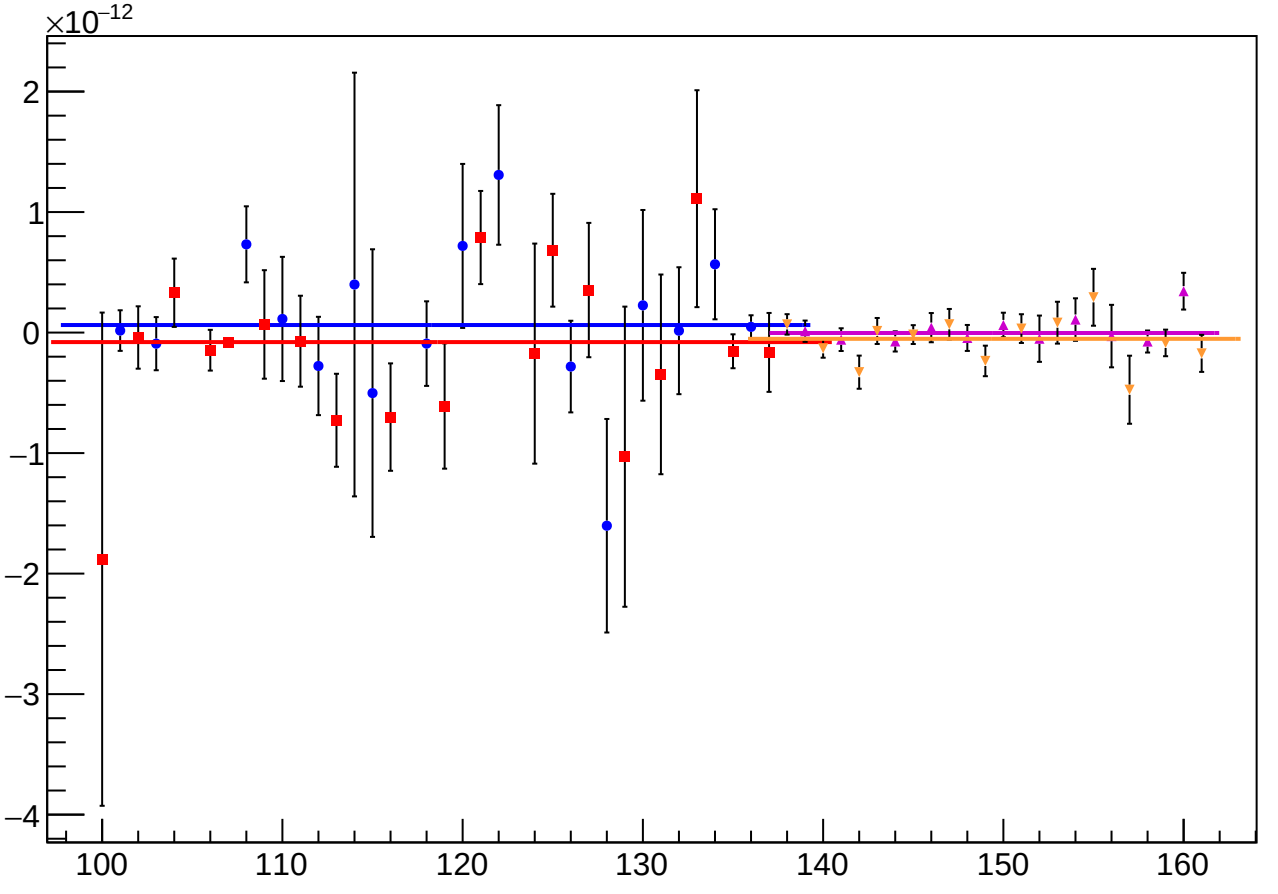
Left In: 4082.243+/-0.945 χ^2/NDF:388820.0/10

+ sign 4229.858+/-0.725 χ^2/NDF: 944401.4/28

All: 4133.987+/-0.508 χ^2/NDF: 2515725.2/58

- sign 4041.598+/-0.712 χ^2/NDF: 1537028.0/29

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:16.8/12

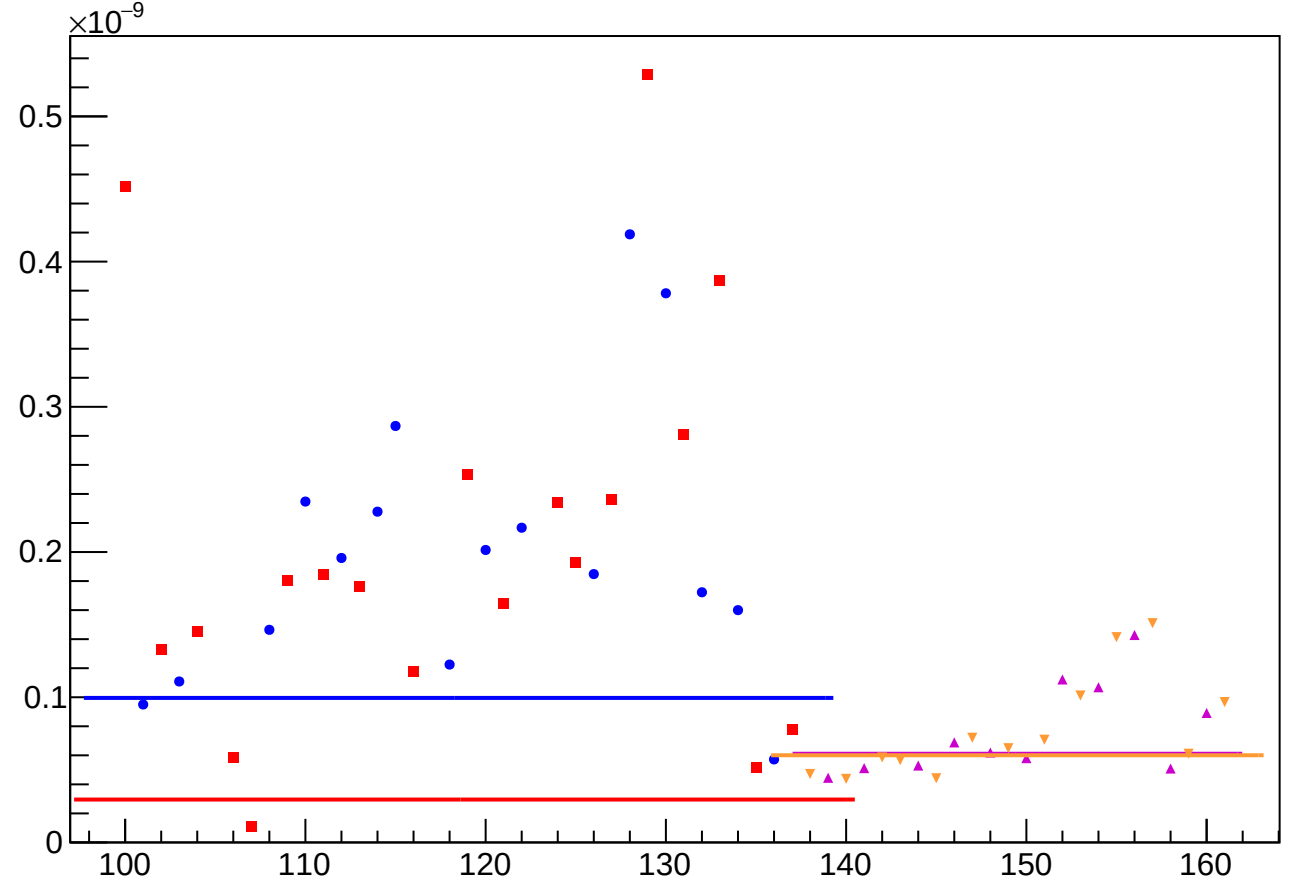
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 36.6/28

All: -0.000+/-0.000 χ^2/NDF: 67.2/58

- sign -0.000+/-0.000 χ^2/NDF: 30.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:925211.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

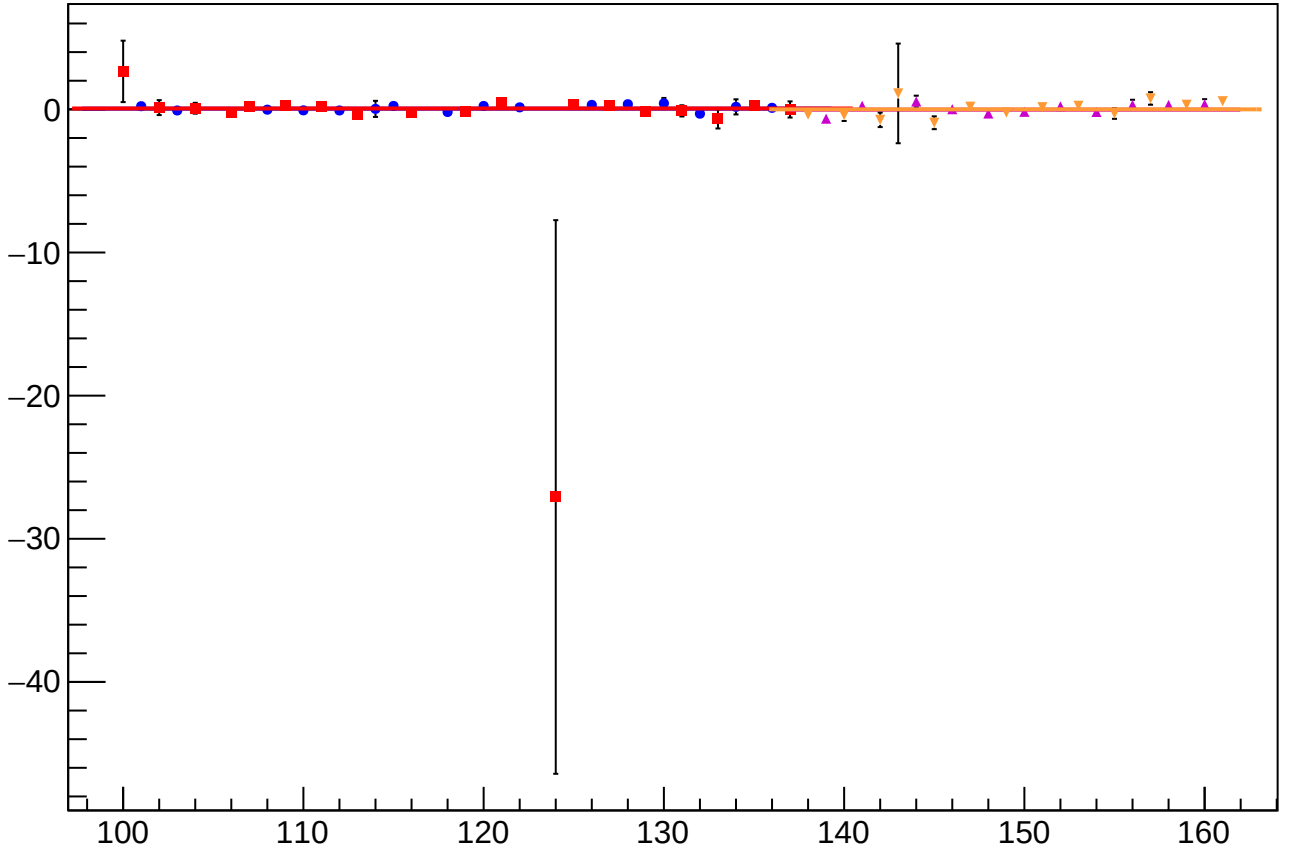
Left In: 0.000+/-0.000 χ^2/NDF:689547.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 3040181.4/28

All: 0.000+/-0.000 χ^2/NDF: 9674499.4/58

- sign 0.000+/-0.000 χ^2/NDF: 5934002.3/29

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: 0.001+/-0.098 χ^2/NDF:18.5/12

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

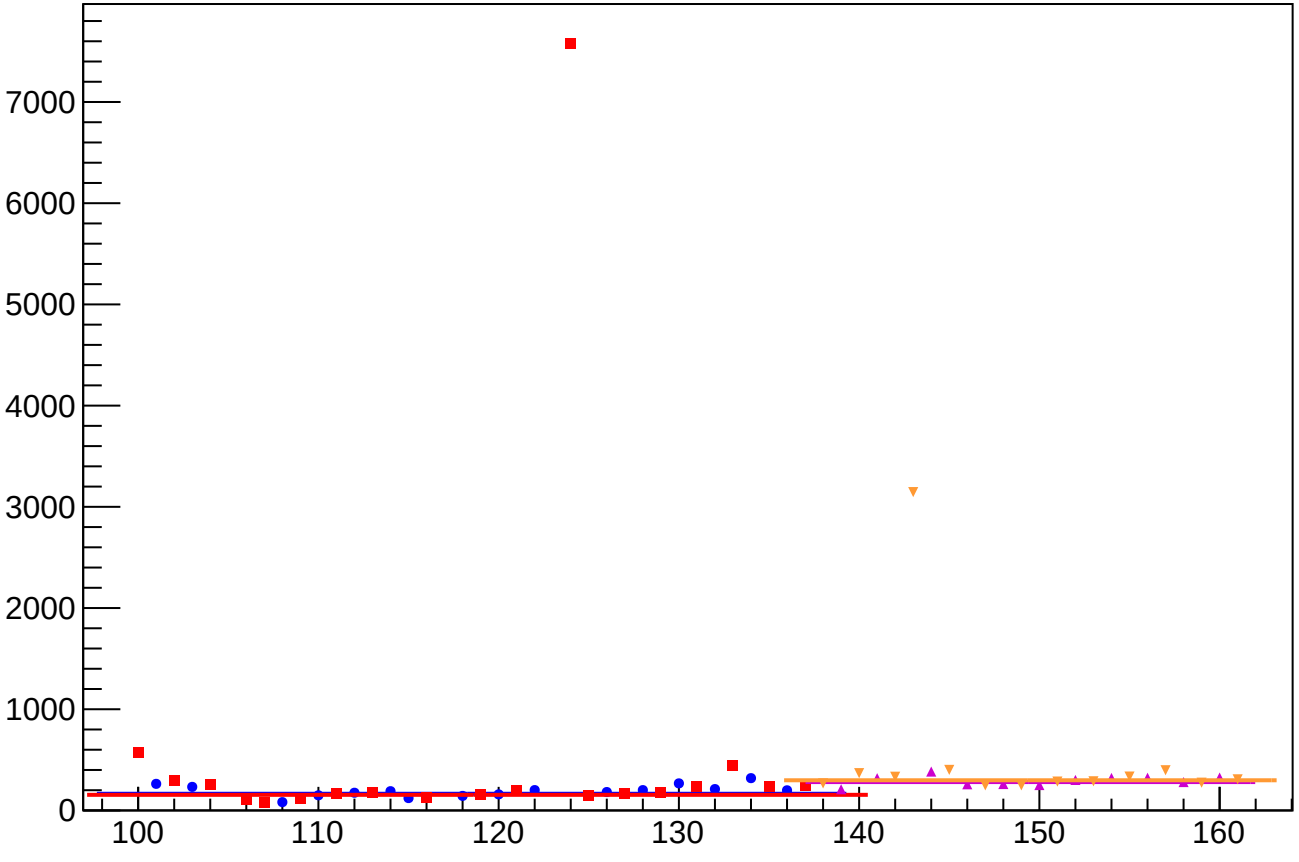
Left In: -0.022+/-0.093 χ^2/NDF:14.6/10

+ sign 0.033+/-0.055 χ^2/NDF: 26.2/28

All: 0.034+/-0.038 χ^2/NDF: 59.8/58

- sign 0.034+/-0.053 χ^2/NDF: 33.6/29

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 298.208+/-0.069 χ^2/NDF:1809294.7/12

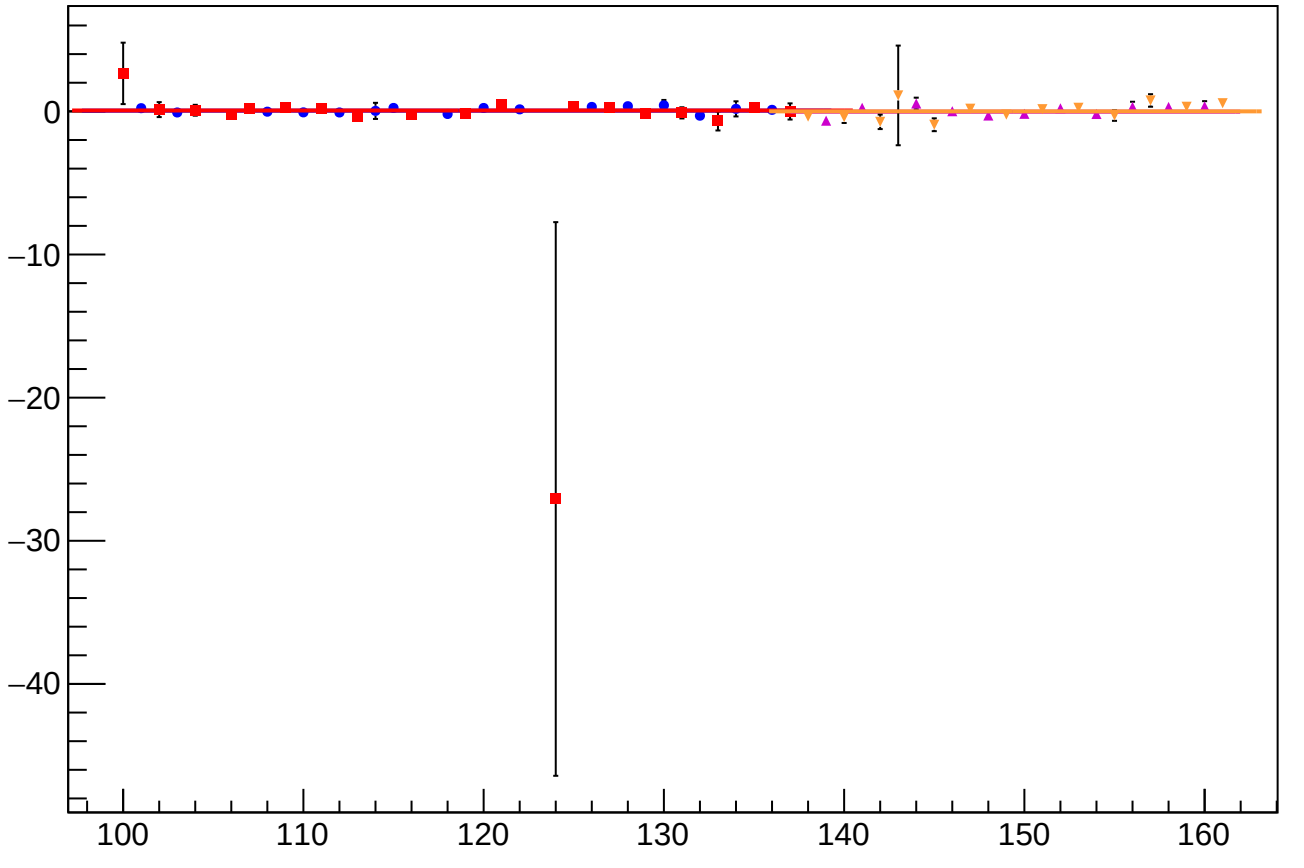
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 280.500+/-0.066 χ^2/NDF:474899.1/10

+ sign 206.973+/-0.039 χ^2/NDF: 5830727.1/28

All: 200.968+/-0.027 χ^2/NDF: 10766793.7/58

- sign 195.398+/-0.037 χ^2/NDF: 4889994.2/29



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: 0.001+/-0.098 χ^2/NDF:18.5/12

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

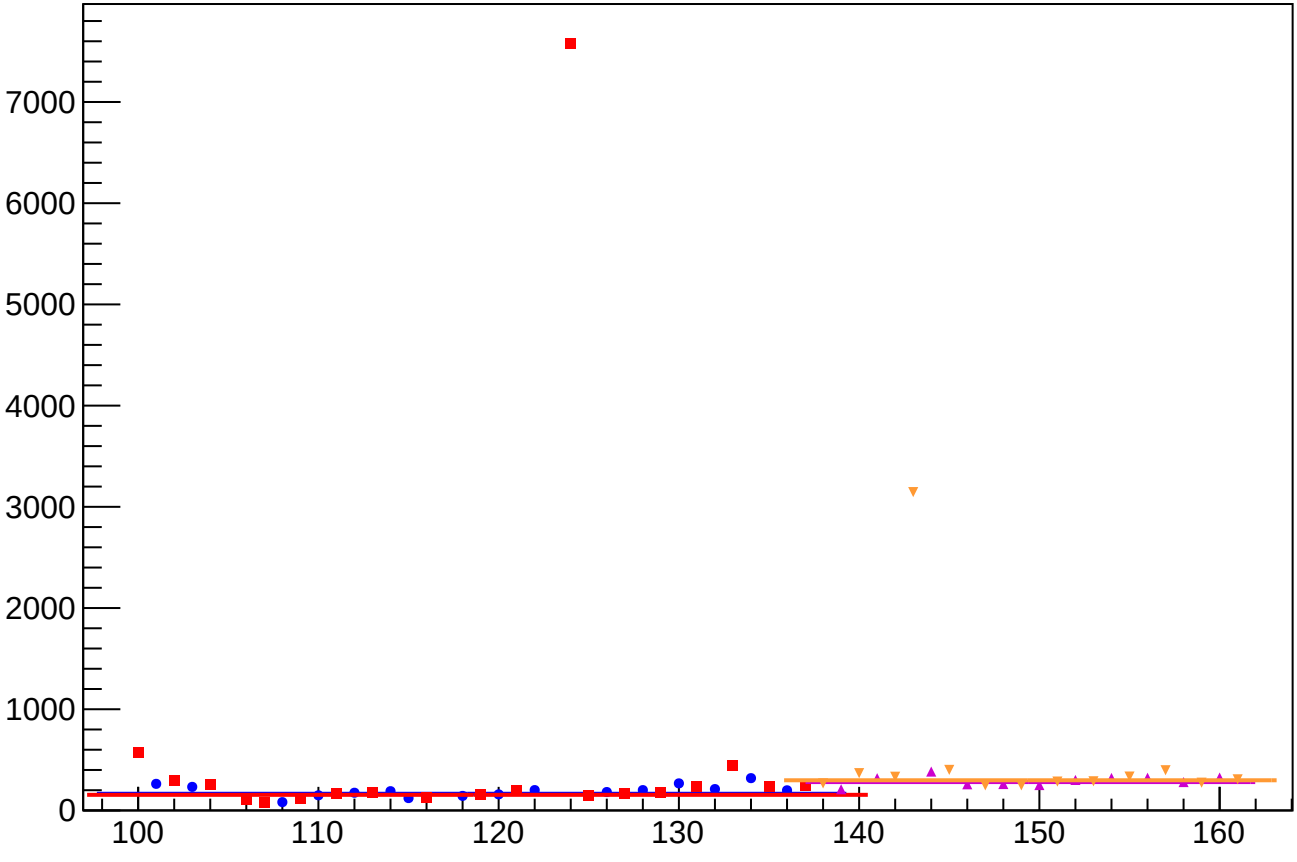
Left In: -0.022+/-0.093 χ^2/NDF:14.6/10

+ sign 0.033+/-0.055 χ^2/NDF: 26.2/28

All: 0.034+/-0.038 χ^2/NDF: 59.8/58

- sign 0.034+/-0.053 χ^2/NDF: 33.6/29

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: 298.208+/-0.069 χ^2/NDF:1809294.7/12

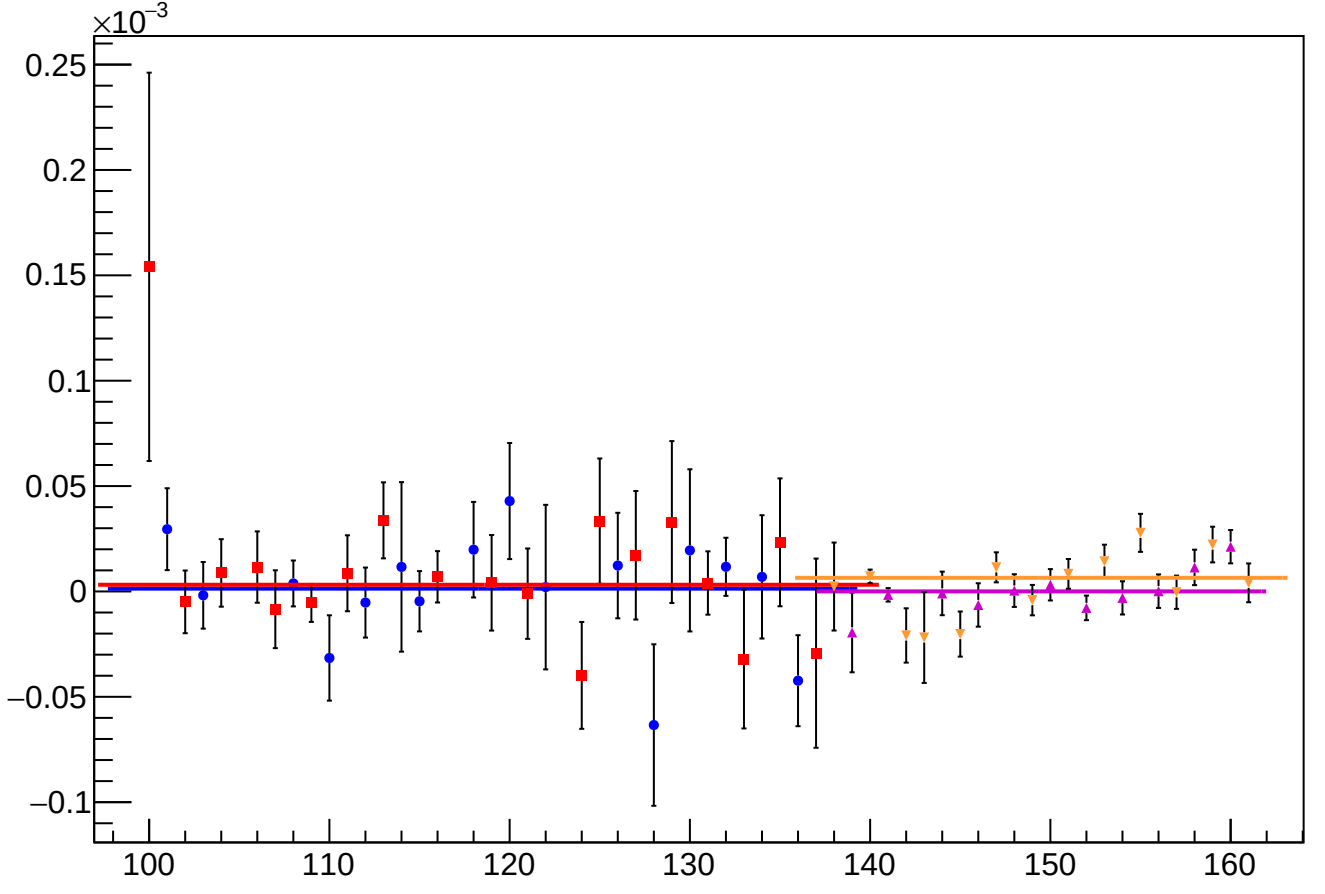
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 280.500+/-0.066 χ^2/NDF:474899.1/10

+ sign 206.973+/-0.039 χ^2/NDF: 5830727.1/28

All: 200.968+/-0.027 χ^2/NDF: 10766793.7/58

- sign 195.398+/-0.037 χ^2/NDF: 4889994.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.1/12

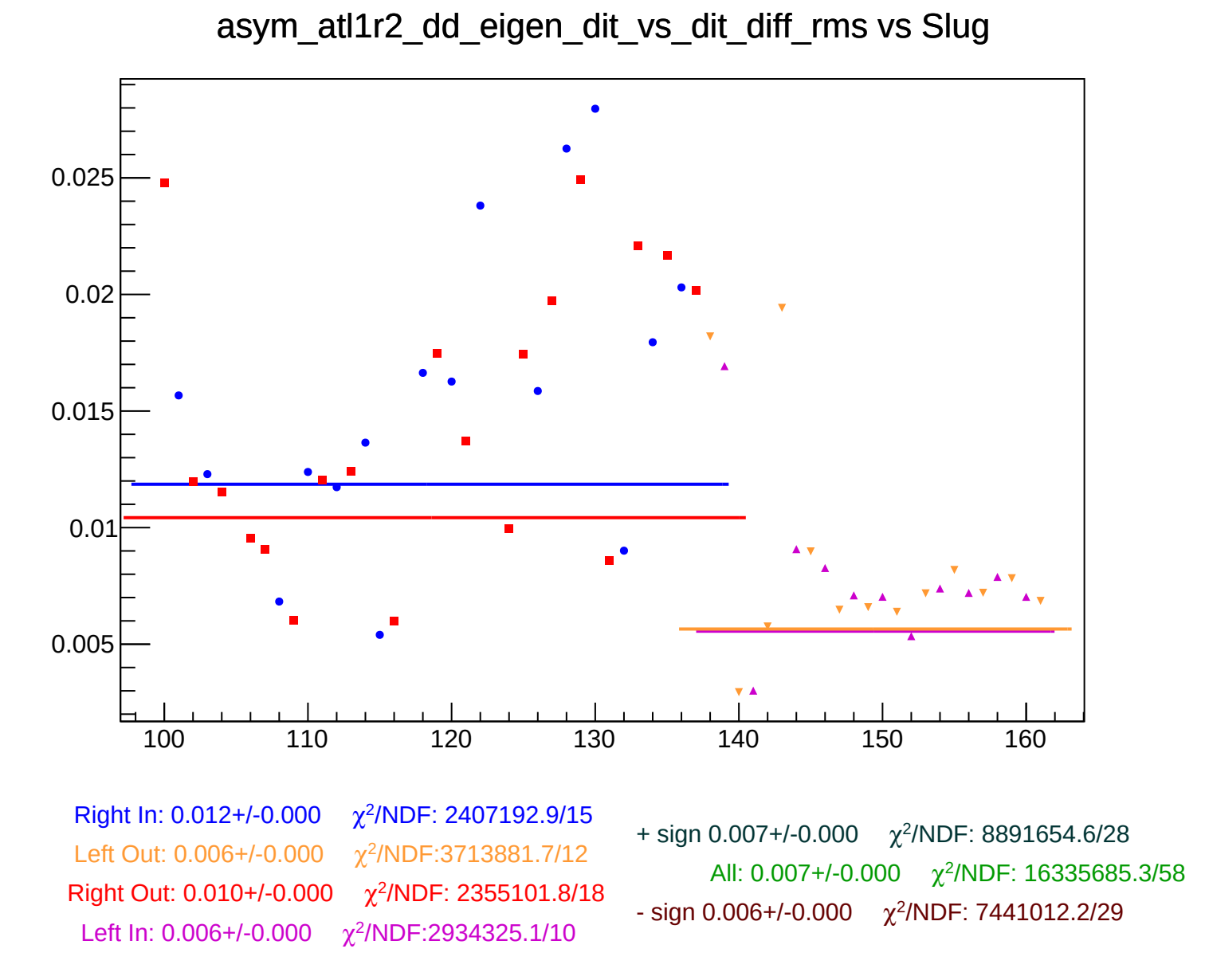
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/10

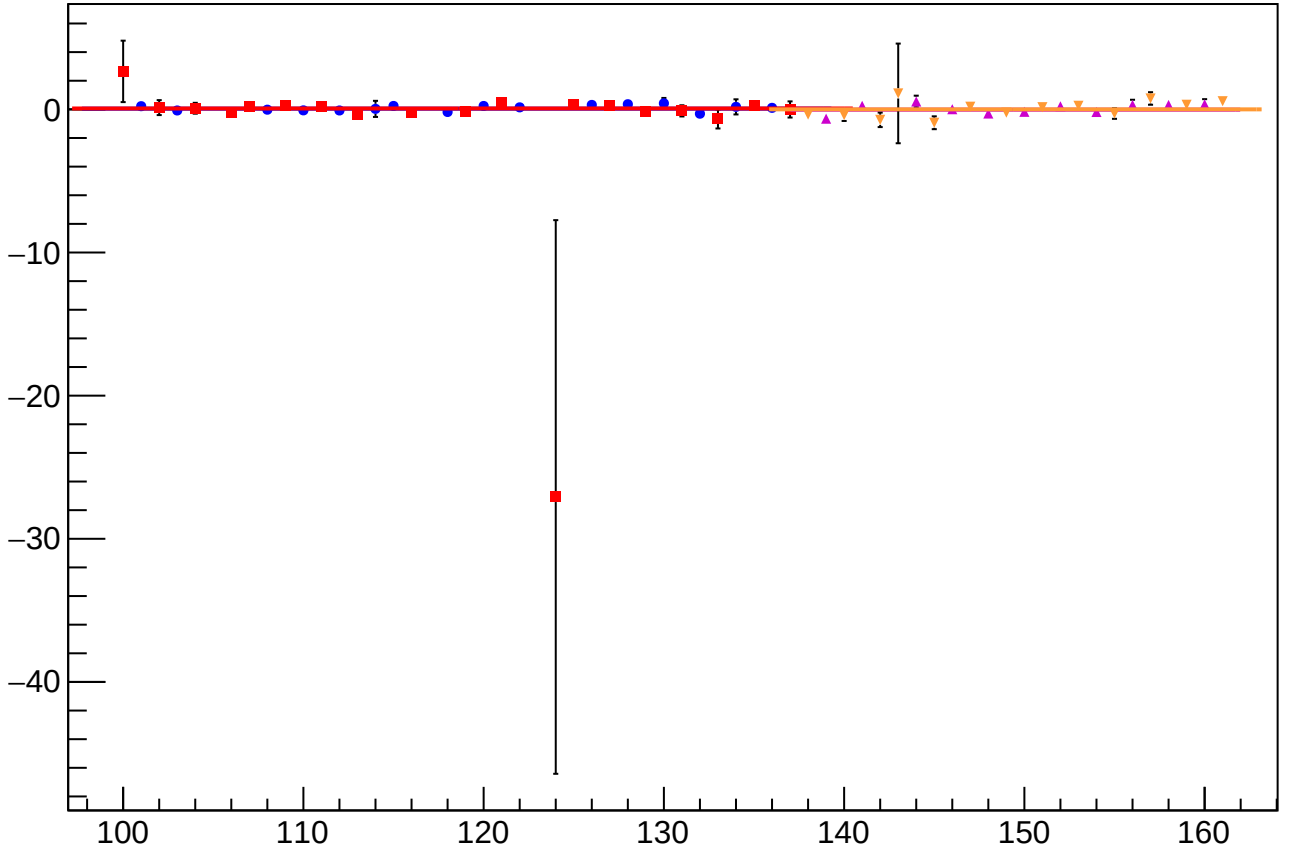
+ sign 0.000+/-0.000 χ^2/NDF: 43.2/28

All: 0.000+/-0.000 χ^2/NDF: 75.0/58

- sign 0.000+/-0.000 χ^2/NDF: 27.9/29


asym_atl1r2_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
Right In: 0.012+/-0.000 χ²/NDF: 2407192.9/15
Left Out: 0.006+/-0.000 χ²/NDF:3713881.7/12
Right Out: 0.010+/-0.000 χ²/NDF: 2355101.8/18
Left In: 0.006+/-0.000 χ²/NDF:2934325.1/10
+ sign 0.007+/-0.000 χ²/NDF: 8891654.6/28
All: 0.007+/-0.000 χ²/NDF: 16335685.3/58
- sign 0.006+/-0.000 χ²/NDF: 7441012.2/29

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: 0.001+/-0.098 χ^2/NDF:18.5/12

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

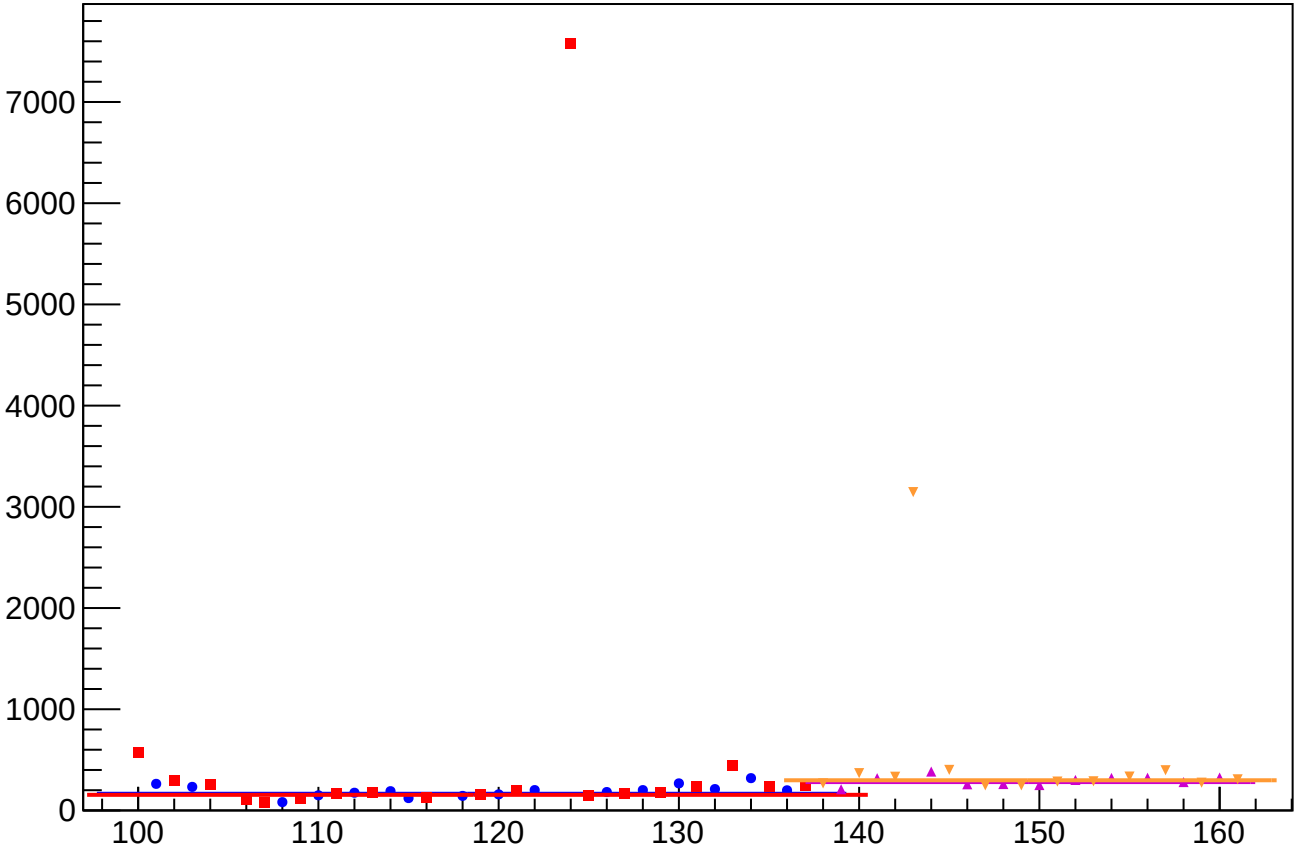
Left In: -0.022+/-0.093 χ^2/NDF:14.6/10

+ sign 0.033+/-0.055 χ^2/NDF: 26.2/28

All: 0.034+/-0.038 χ^2/NDF: 59.8/58

- sign 0.034+/-0.053 χ^2/NDF: 33.6/29

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: 298.212+/-0.069 χ^2/NDF:1809265.6/12

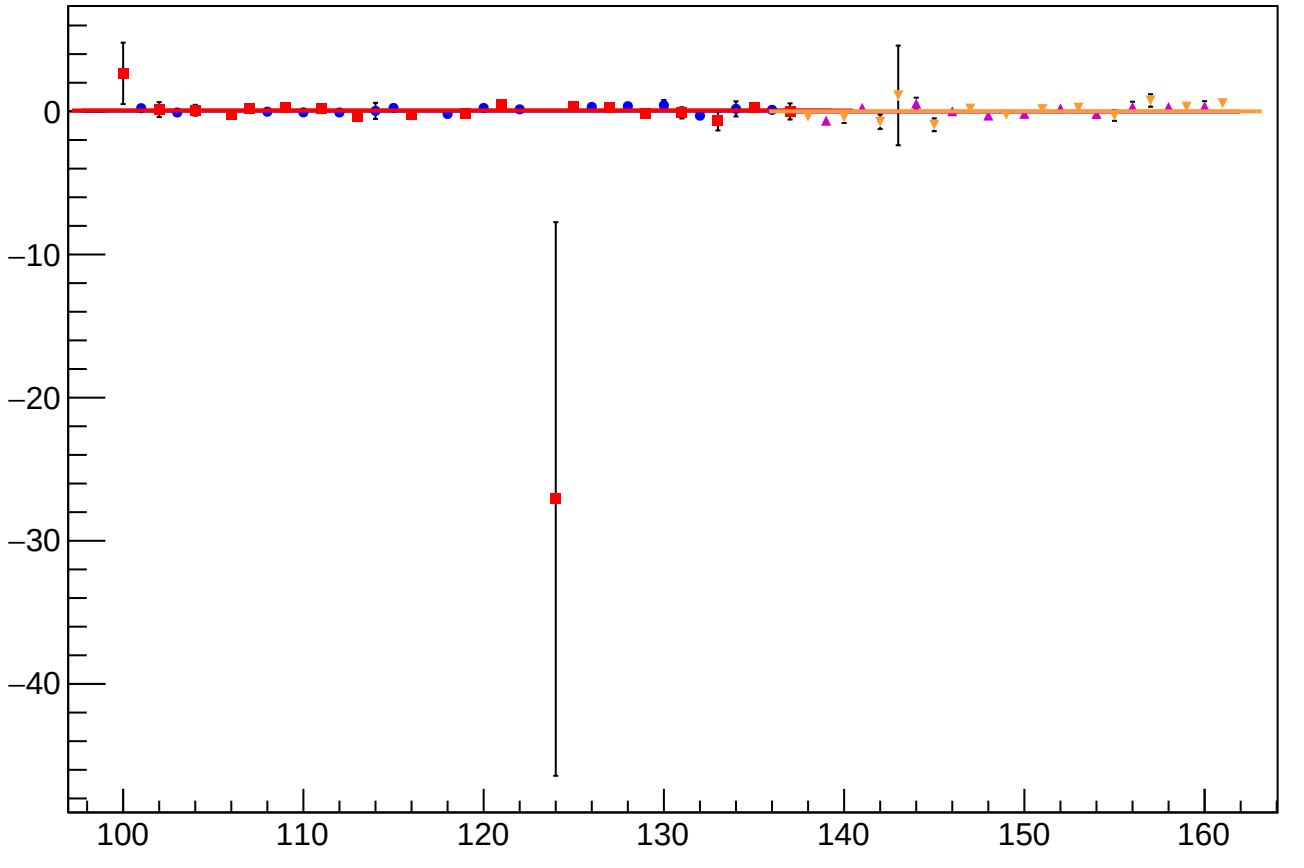
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 280.503+/-0.066 χ^2/NDF:474868.4/10

+ sign 206.973+/-0.039 χ^2/NDF: 5830789.6/28

All: 200.968+/-0.027 χ^2/NDF: 10766958.2/58

- sign 195.398+/-0.037 χ^2/NDF: 4890096.5/29



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: 0.001+/-0.098 χ^2/NDF:18.5/12

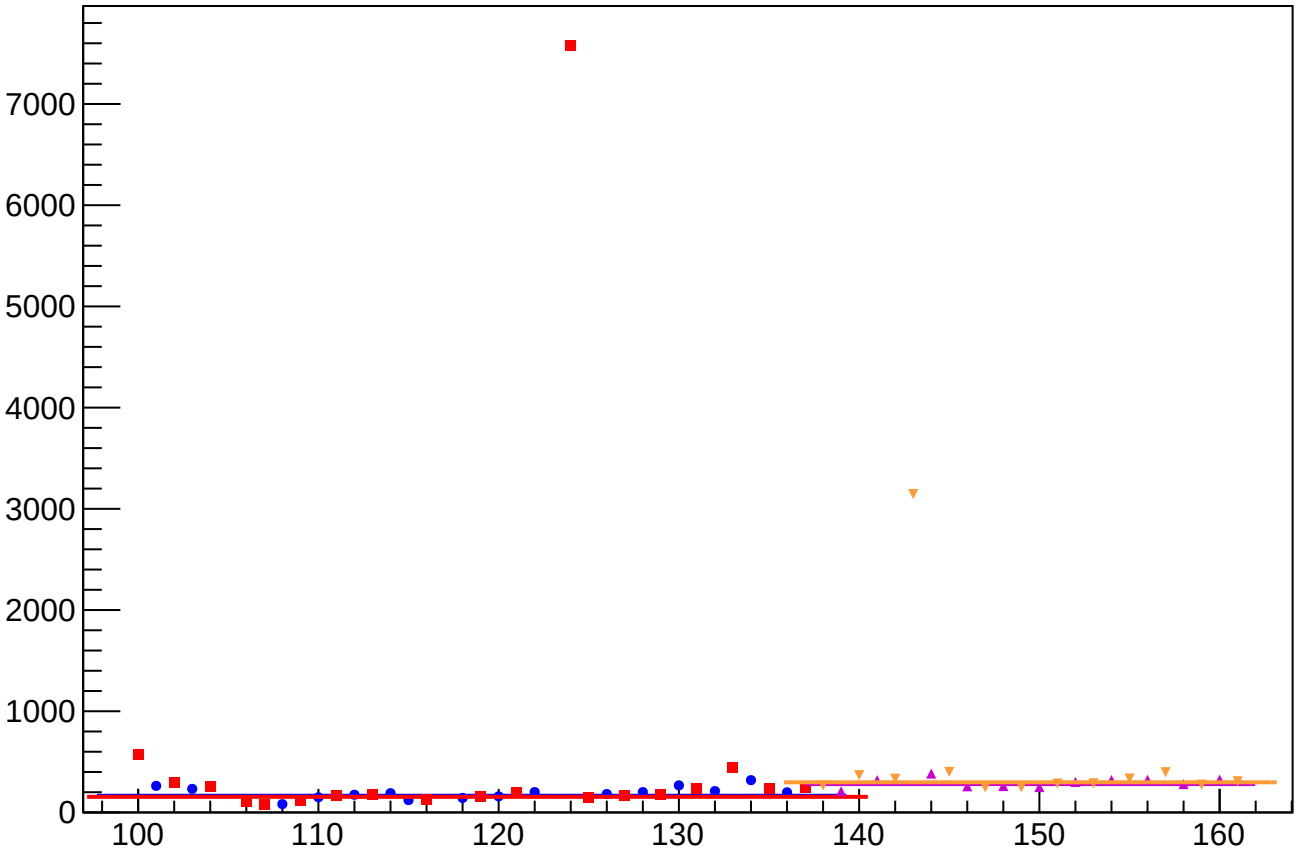
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.022+/-0.093 χ^2/NDF:14.6/10

+ sign 0.033+/-0.055 χ^2/NDF: 26.2/28

All: 0.034+/-0.038 χ^2/NDF: 59.8/58

- sign 0.034+/-0.053 χ^2/NDF: 33.6/29



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 298.212+/-0.069 χ^2/NDF:1809265.6/12

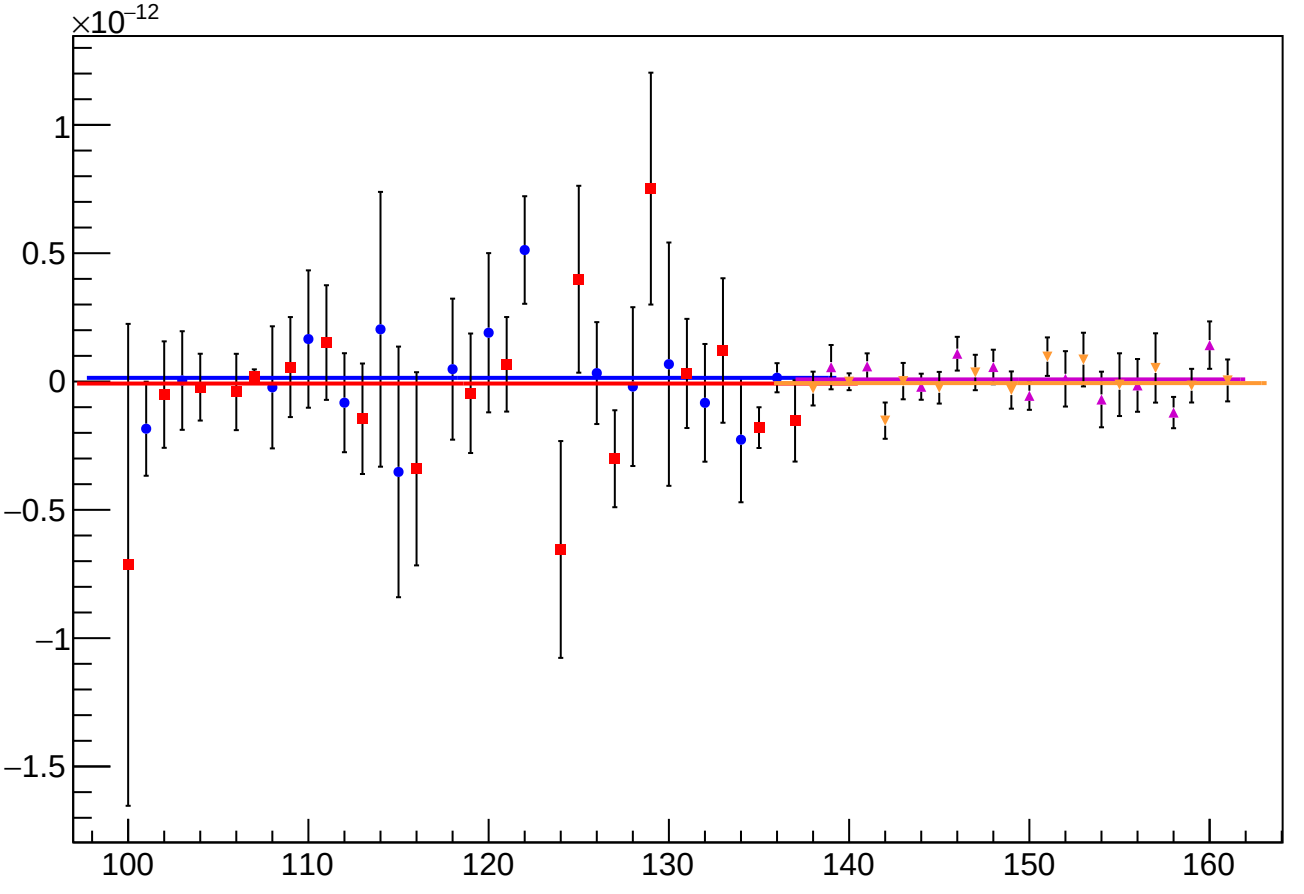
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 280.503+/-0.066 χ^2/NDF:474868.4/10

+ sign 206.973+/-0.039 χ^2/NDF: 5830789.6/28

All: 200.968+/-0.027 χ^2/NDF: 10766958.2/58

- sign 195.398+/-0.037 χ^2/NDF: 4890096.5/29



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/12

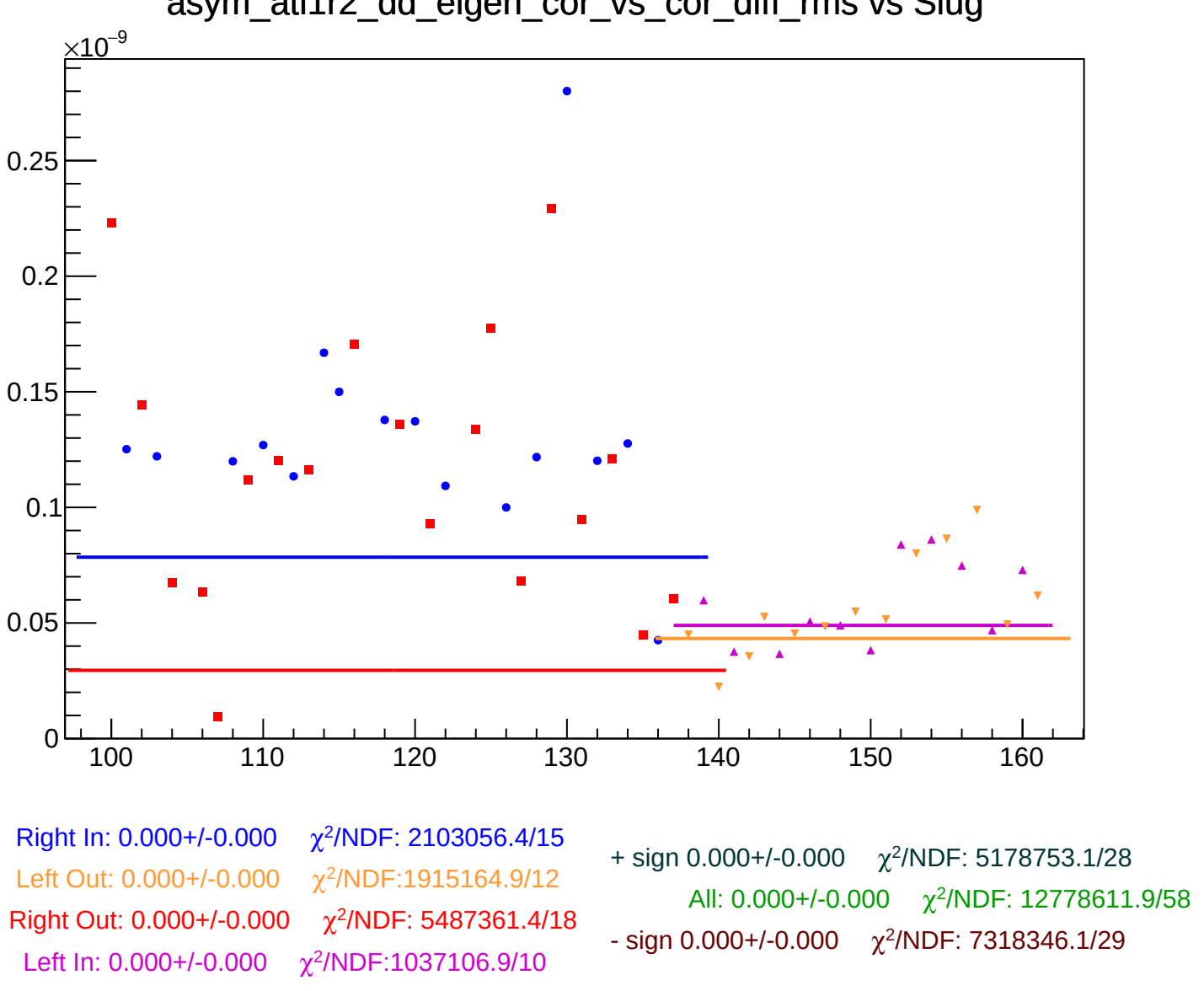
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/10

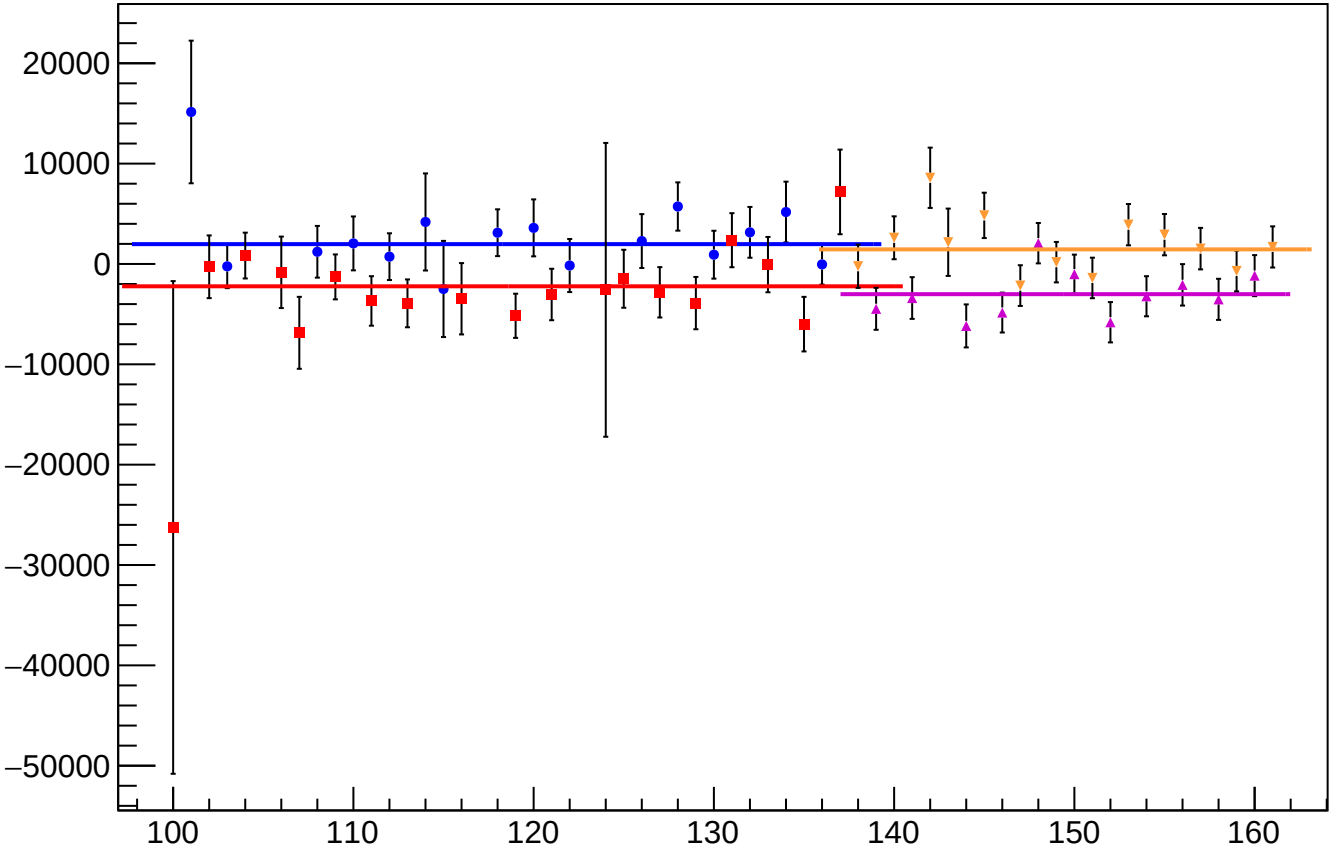
+ sign -0.000+/-0.000 χ^2/NDF: 17.7/28

All: -0.000+/-0.000 χ^2/NDF: 49.4/58

- sign 0.000+/-0.000 χ^2/NDF: 31.6/29


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2103056.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1915164.9/12
Right Out: 0.000+/-0.000 χ²/NDF: 5487361.4/18
Left In: 0.000+/-0.000 χ²/NDF:1037106.9/10
+ sign 0.000+/-0.000 χ²/NDF: 5178753.1/28
All: 0.000+/-0.000 χ²/NDF: 12778611.9/58
- sign 0.000+/-0.000 χ²/NDF: 7318346.1/29

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1454.228+/-603.060 χ^2/NDF:17.5/12

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

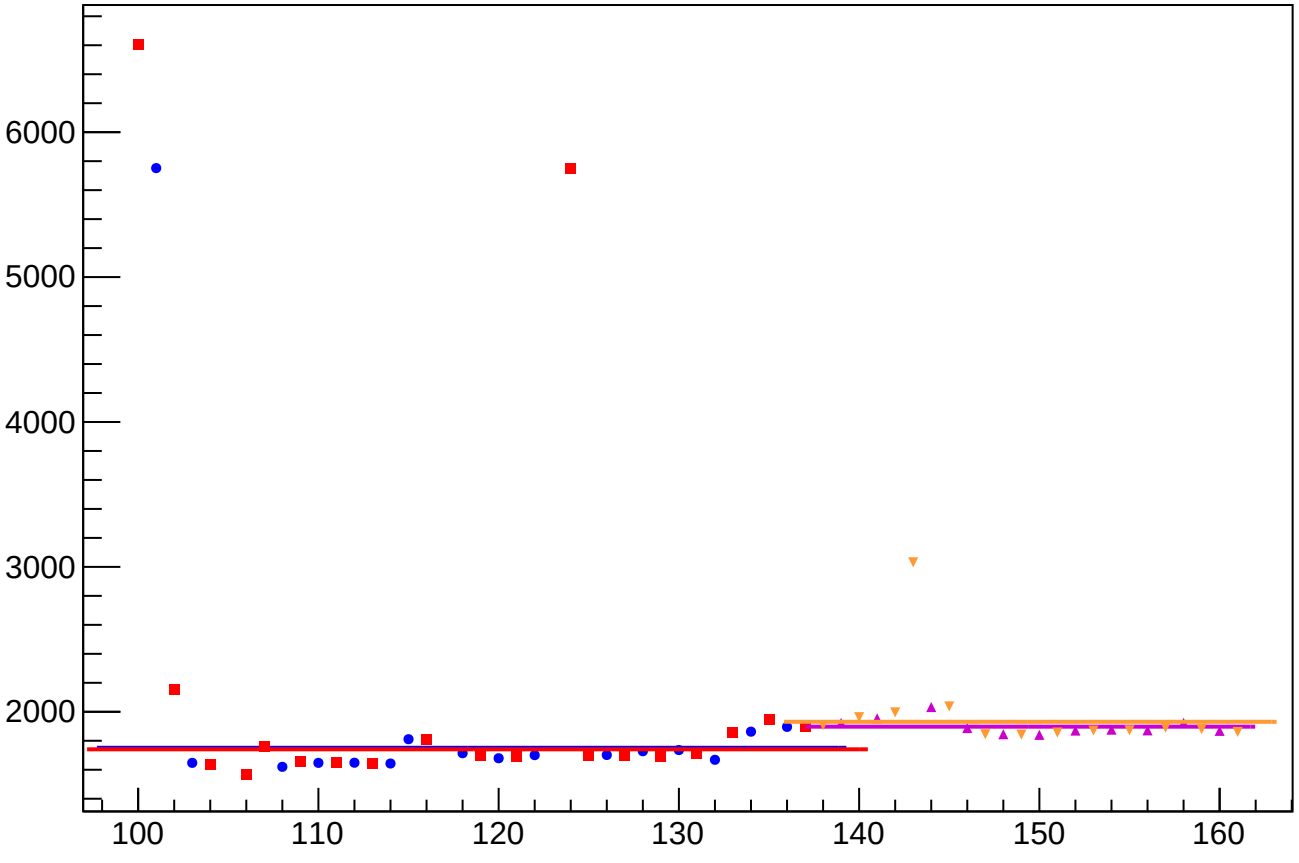
Left In: -3009.861+/-613.934 χ^2/NDF:14.0/10

+ sign 1688.772+/-447.543 χ^2/NDF: 29.9/28

All: -473.809+/-316.743 χ^2/NDF: 110.4/58

- sign -2644.117+/-448.342 χ^2/NDF: 33.7/29

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1930.978+/-0.426 χ^2/NDF:238985.8/12

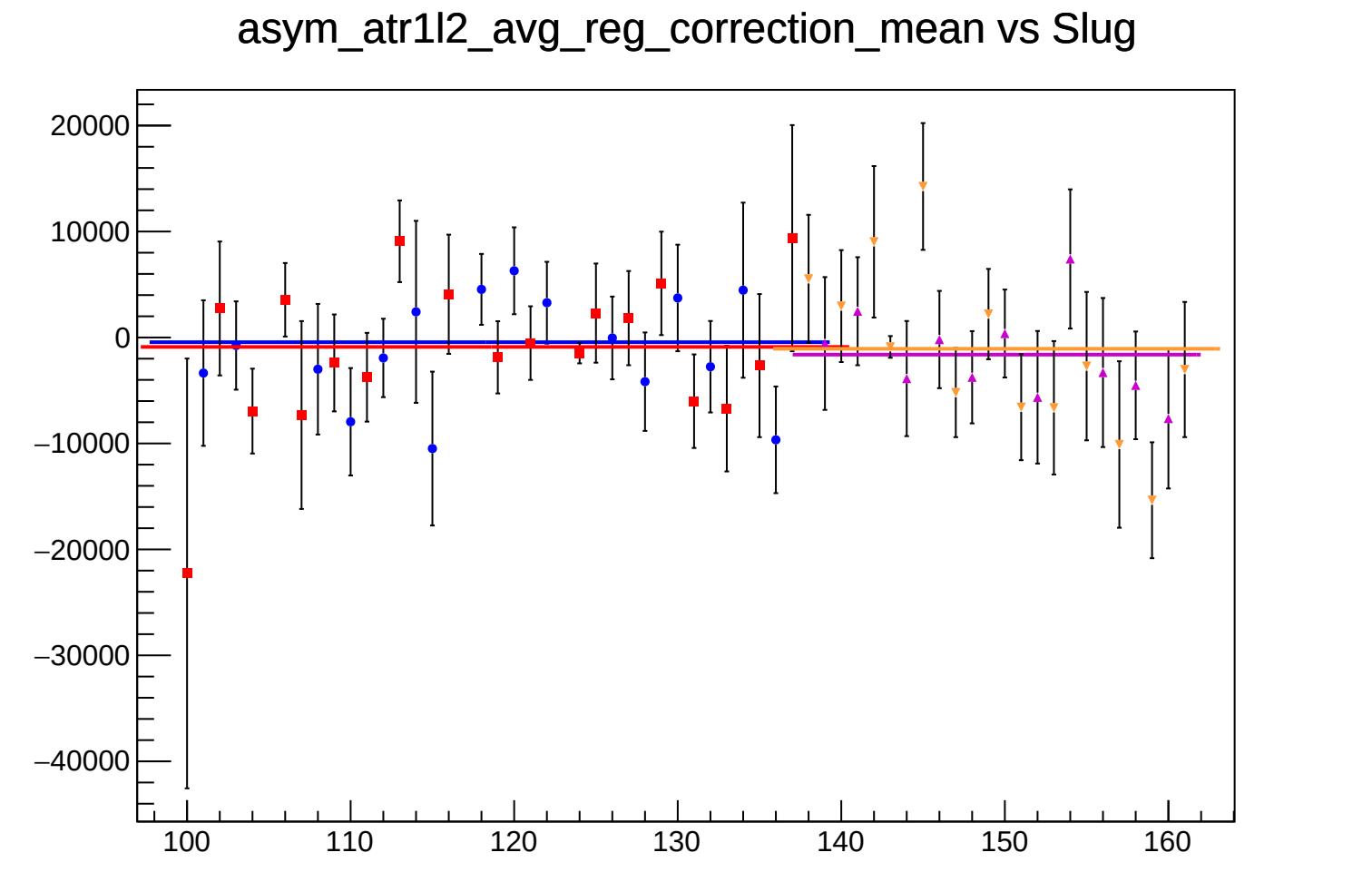
Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1897.351+/-0.434 χ^2/NDF:14482.1/10

+ sign 1850.394+/-0.316 χ^2/NDF: 989127.1/28

All: 1837.091+/-0.224 χ^2/NDF: 1372766.0/58

- sign 1823.833+/-0.316 χ^2/NDF: 380110.5/29



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -1065.937+/-864.280 χ^2/NDF:22.2/12

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

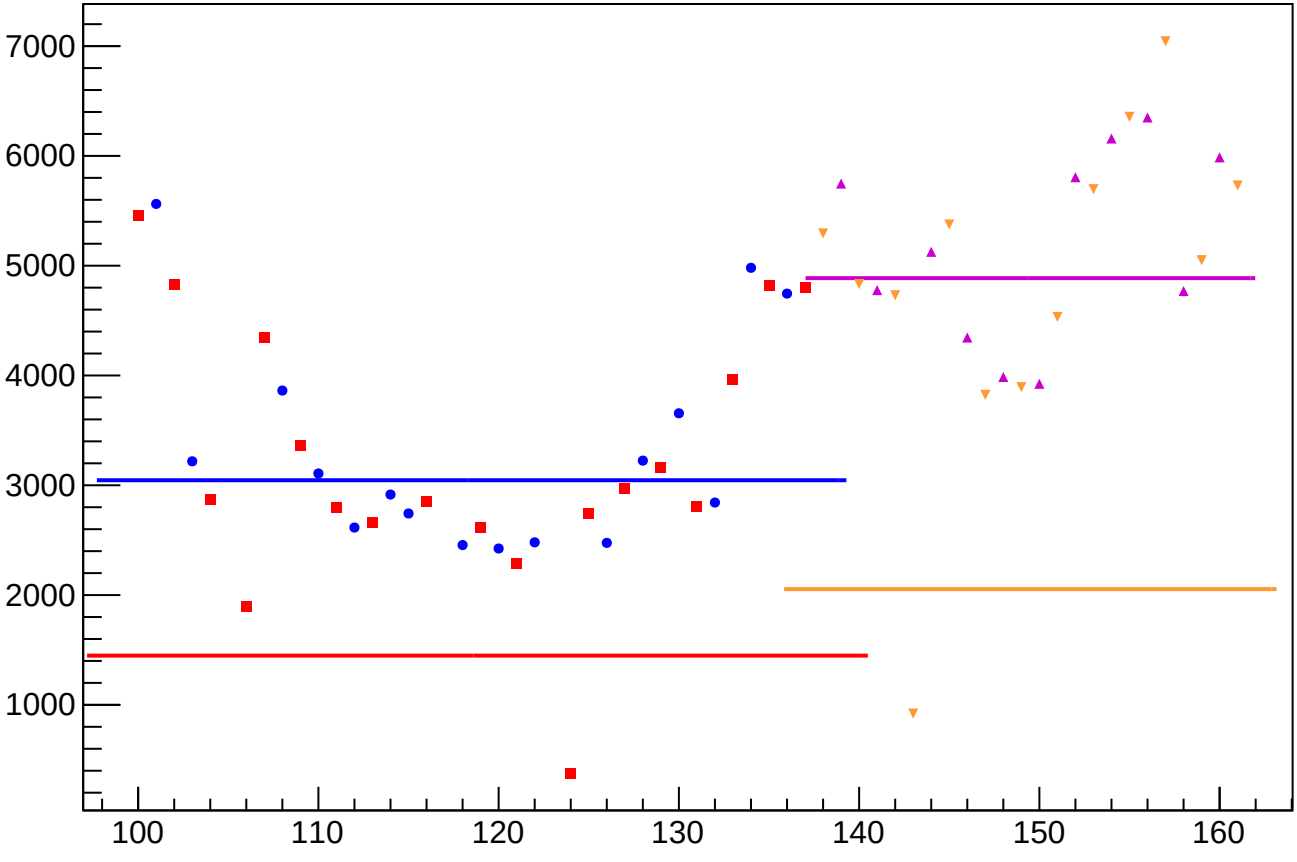
Left In: -1618.257+/-1607.918 χ^2/NDF:4.9/10

+ sign -847.544+/-696.106 χ^2/NDF: 38.3/28

All: -935.598+/-479.511 χ^2/NDF: 63.5/58

- sign -1015.109+/-661.480 χ^2/NDF: 25.2/29

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2054.255+/-0.611 χ^2/NDF:9198435.5/12

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

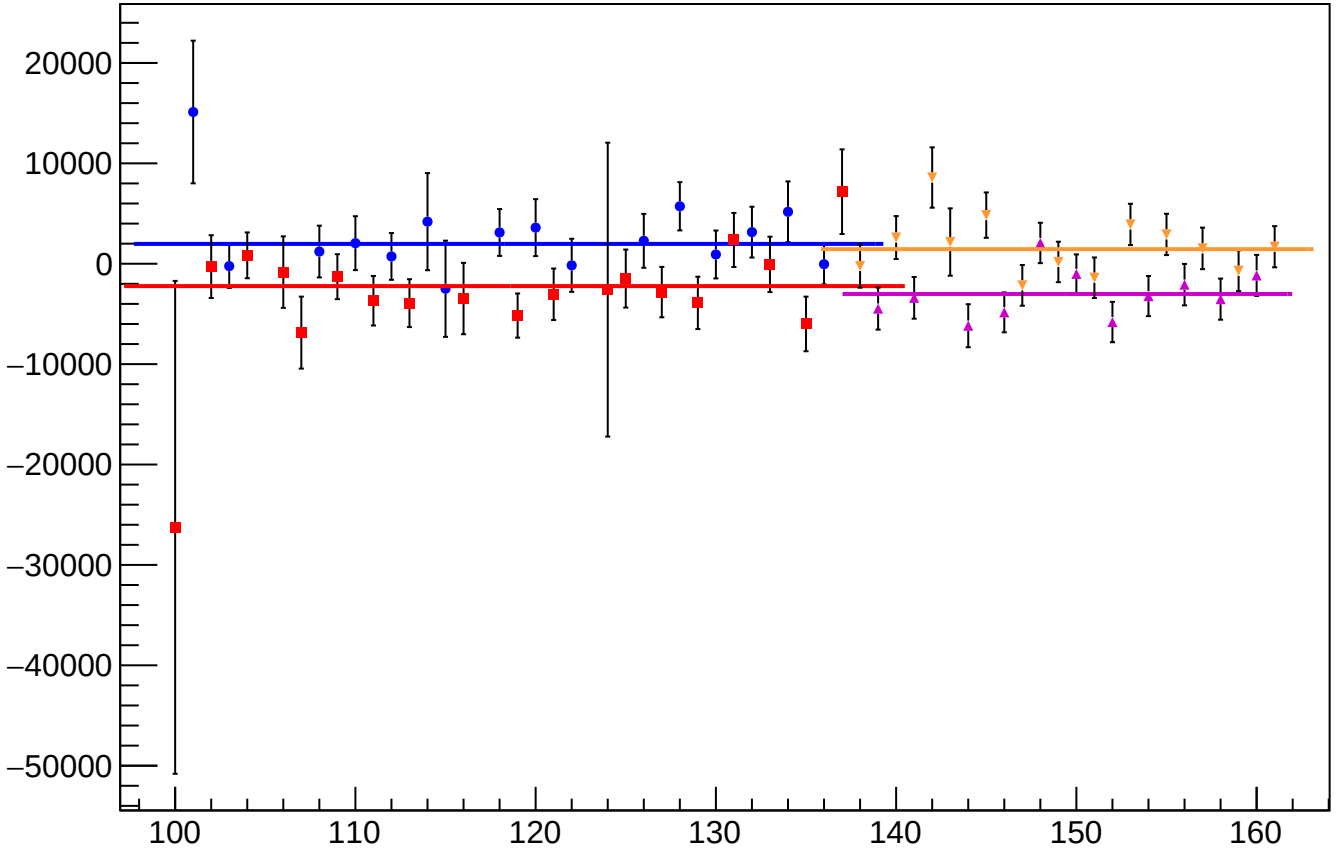
Left In: 4886.736+/-1.137 χ^2/NDF:524890.9/10

+ sign 2402.630+/-0.492 χ^2/NDF: 11030798.9/28

All: 2207.030+/-0.339 χ^2/NDF: 26240144.1/5

- sign 2030.406+/-0.468 χ^2/NDF: 14908841.2/29

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1454.290+/-603.060 χ^2/NDF:17.5/12

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

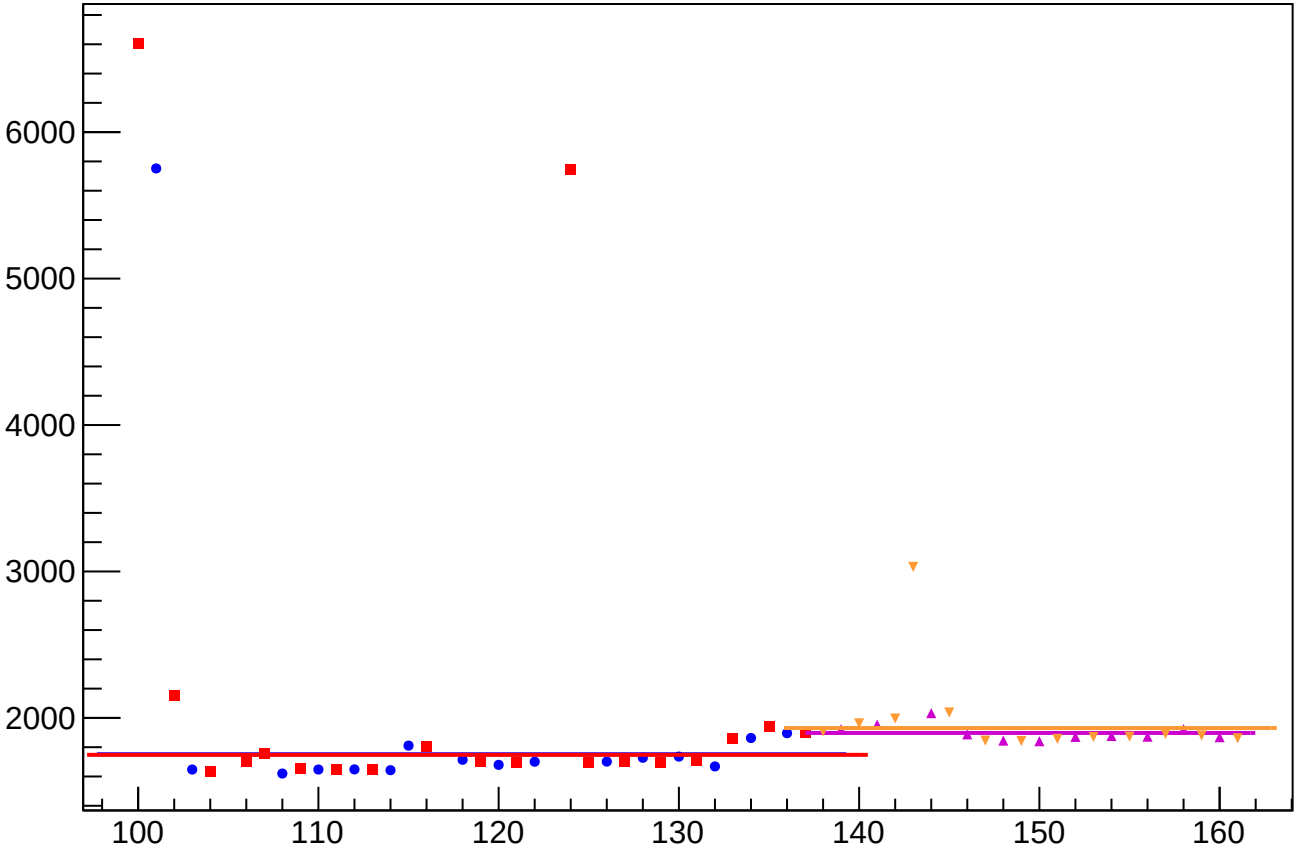
Left In: -3009.921+/-613.934 χ^2/NDF:14.0/10

+ sign 1688.648+/-447.543 χ^2/NDF: 29.9/28

All: -473.910+/-316.743 χ^2/NDF: 110.4/58

- sign -2644.194+/-448.342 χ^2/NDF: 33.7/29

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1930.979+/-0.426 χ^2/NDF:238985.8/12

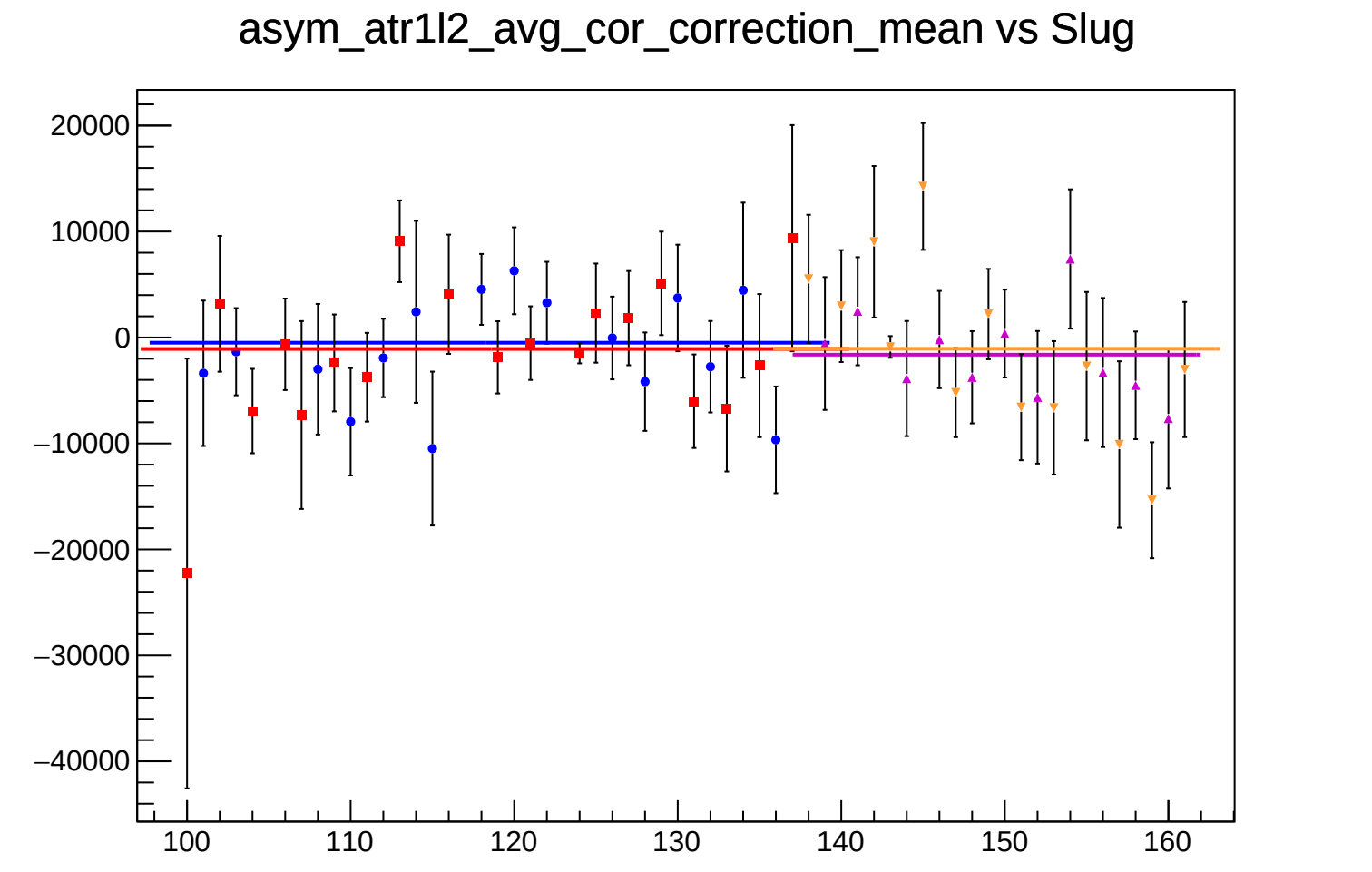
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1897.351+/-0.434 χ^2/NDF:14482.1/10

+ sign 1850.394+/-0.316 χ^2/NDF: 989127.6/28

All: 1838.833+/-0.224 χ^2/NDF: 1359814.7/58

- sign 1827.271+/-0.316 χ^2/NDF: 368017.5/29



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1065.736+/-864.255 χ^2/NDF:22.2/12

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

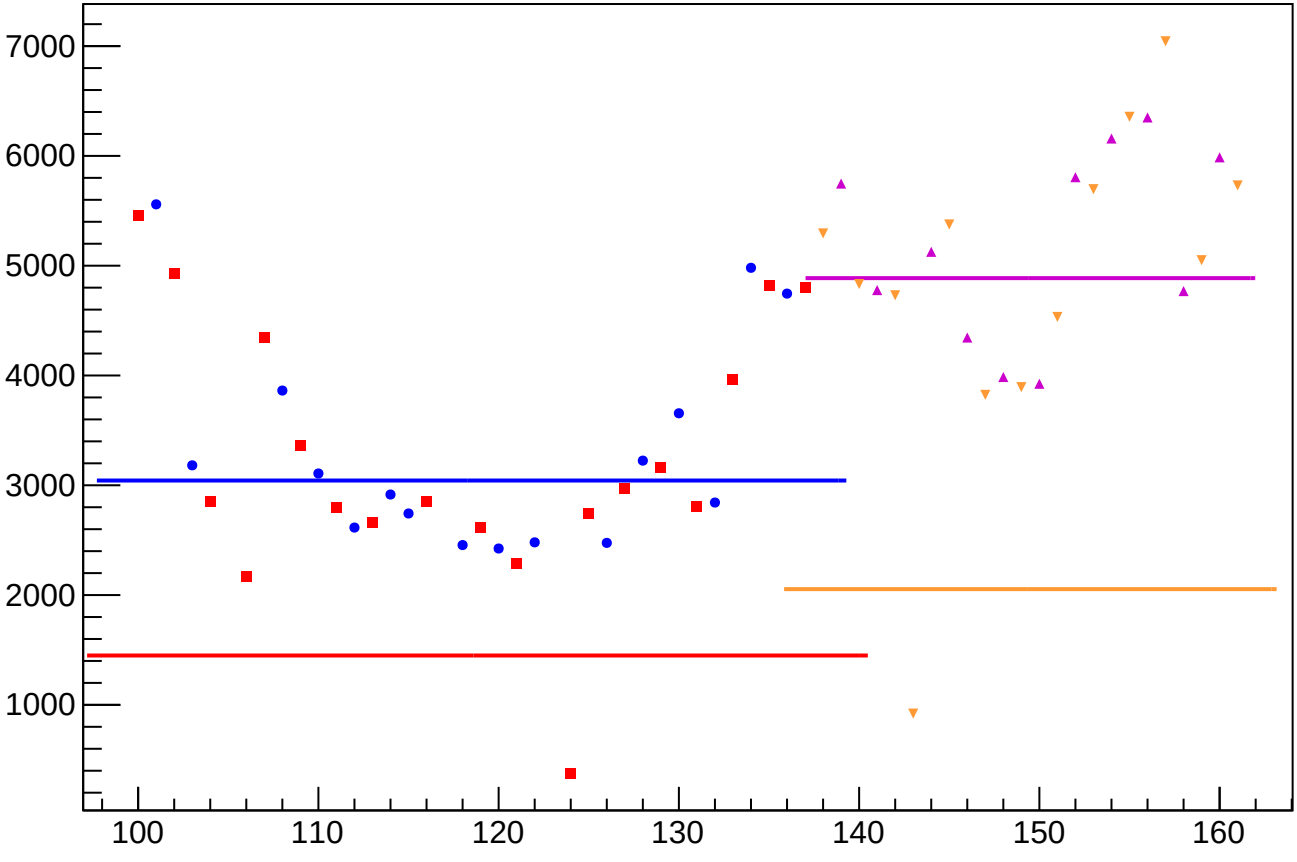
Left In: -1618.320+/-1607.918 χ^2/NDF:4.9/10

+ sign -864.241+/-695.841 χ^2/NDF: 38.3/28

All: -1025.463+/-481.063 χ^2/NDF: 61.9/58

- sign -1173.066+/-665.803 χ^2/NDF: 23.5/29

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2054.161+/-0.611 χ^2/NDF:9198793.8/12

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

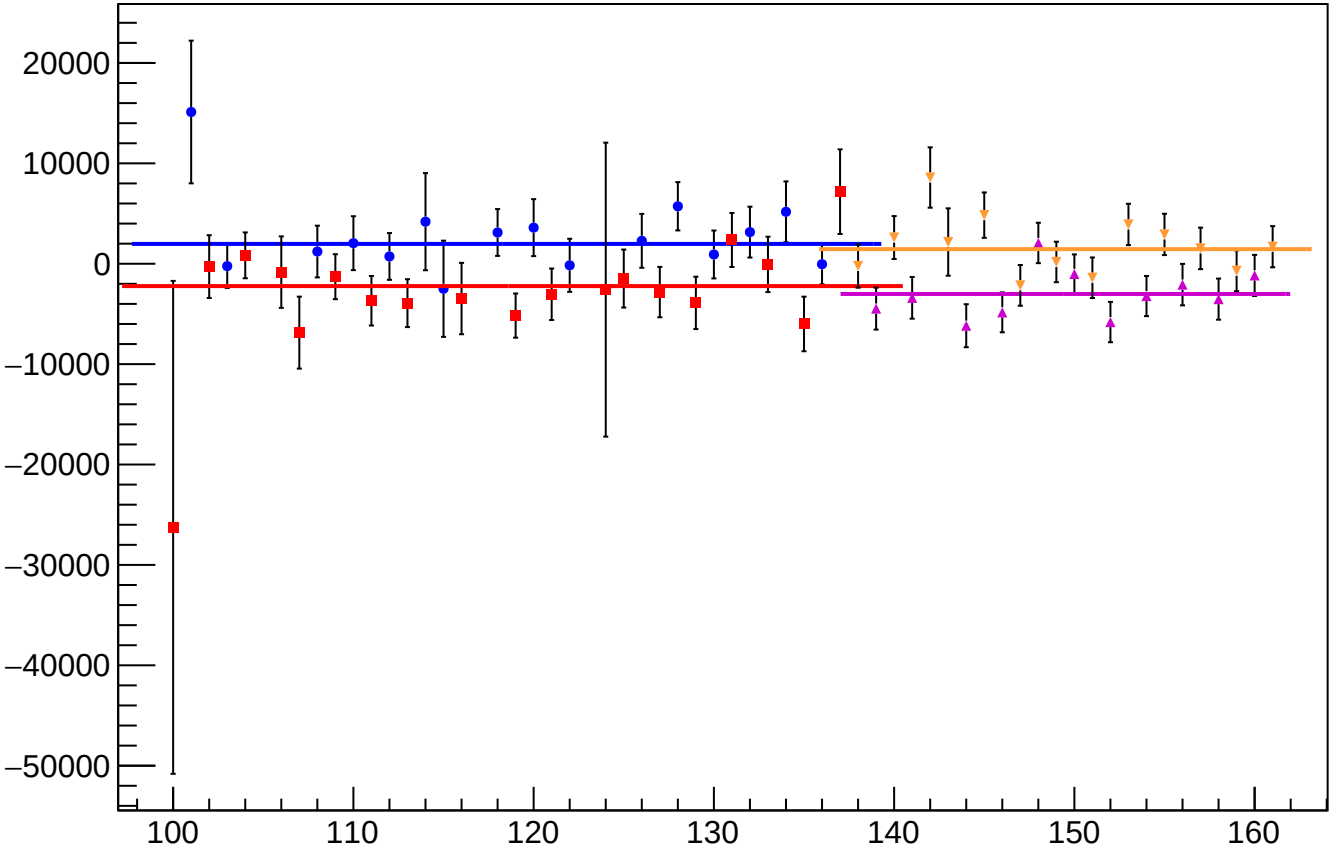
Left In: 4886.735+/-1.137 χ^2/NDF:524892.6/10

+ sign 2402.090+/-0.492 χ^2/NDF: 11025922.4/28

All: 2212.468+/-0.340 χ^2/NDF: 26233363.6/5

- sign 2038.863+/-0.471 χ^2/NDF: 14922944.0/29

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1454.290+/-603.060 χ^2/NDF:17.5/12

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

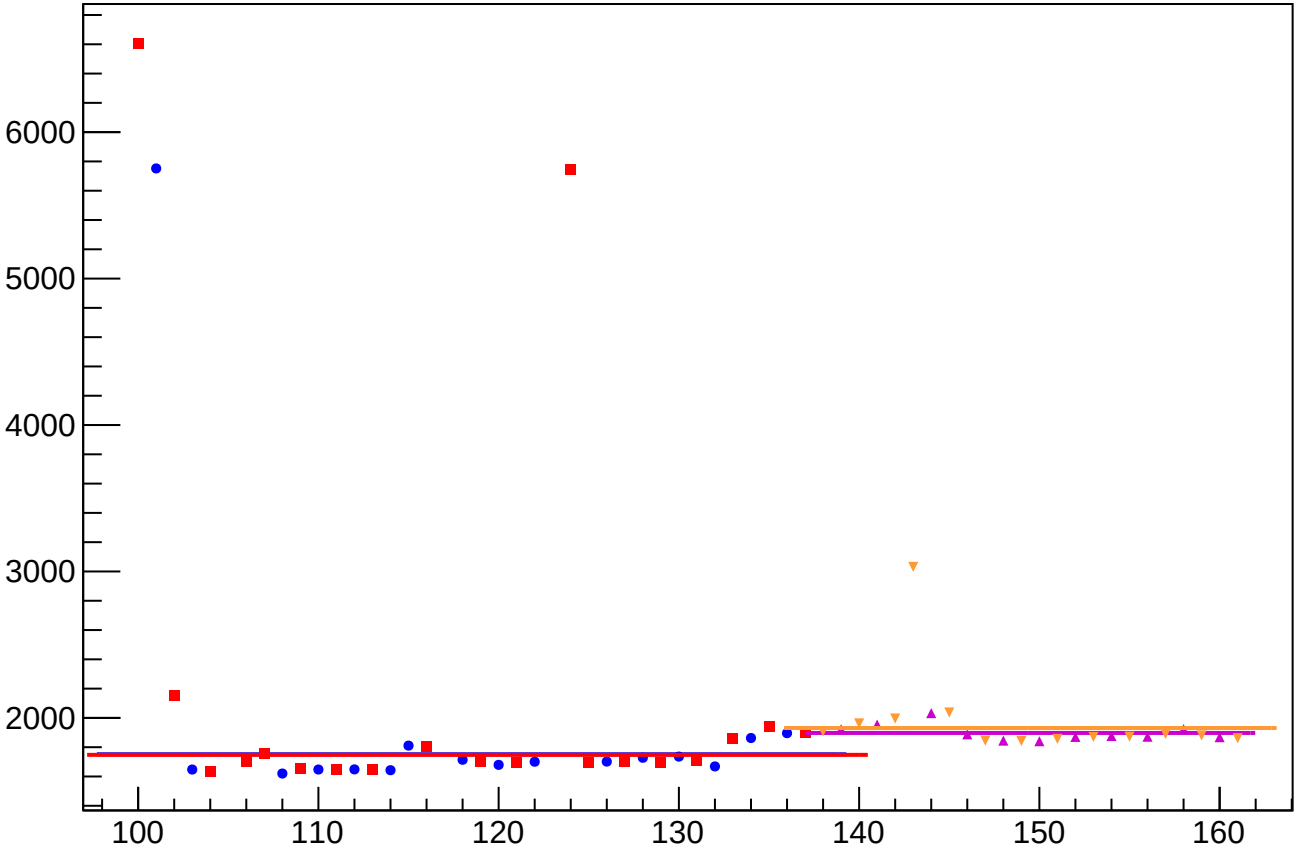
Left In: -3009.921+/-613.934 χ^2/NDF:14.0/10

+ sign 1688.648+/-447.543 χ^2/NDF: 29.9/28

All: -473.910+/-316.743 χ^2/NDF: 110.4/58

- sign -2644.194+/-448.342 χ^2/NDF: 33.7/29

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1930.979+/-0.426 χ^2/NDF:238985.8/12

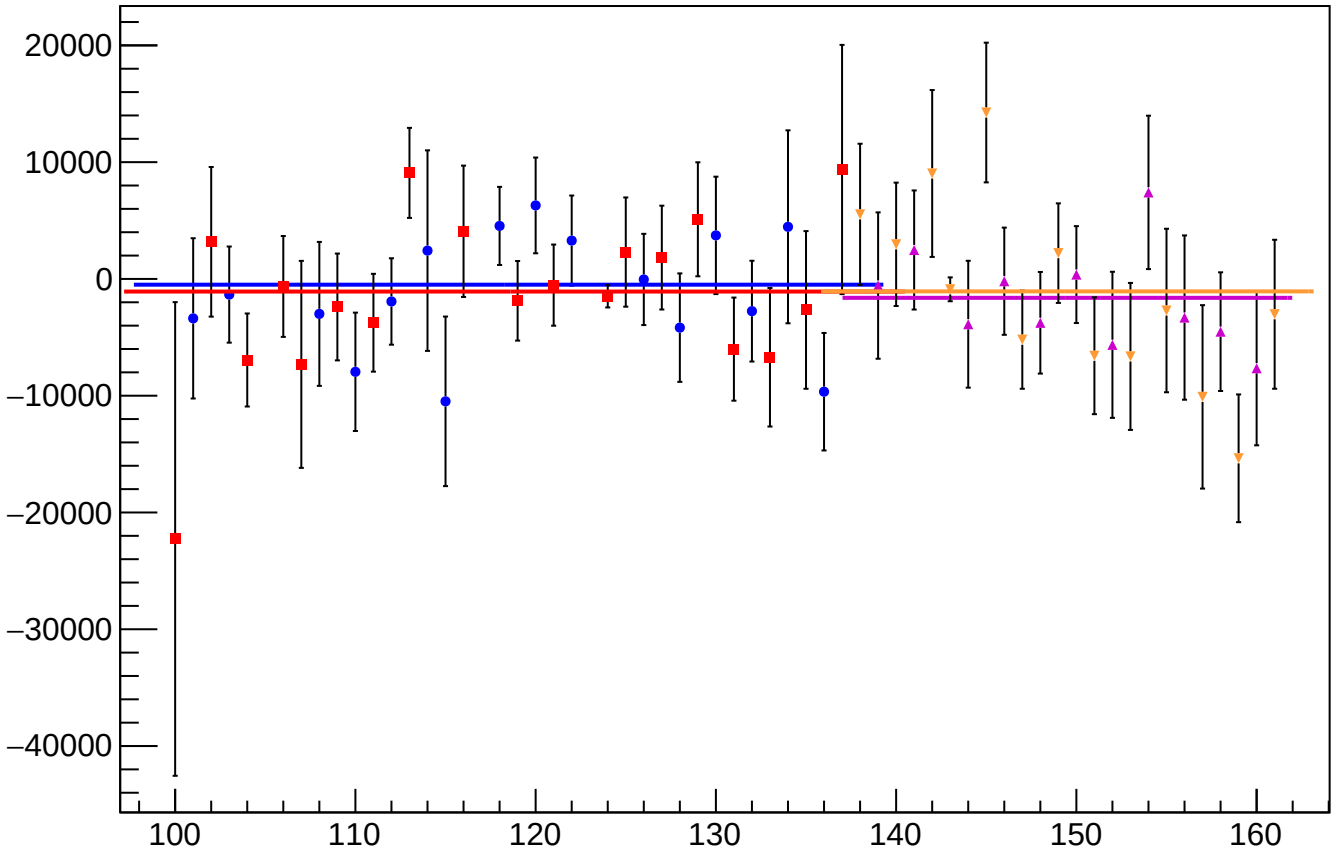
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1897.351+/-0.434 χ^2/NDF:14482.1/10

+ sign 1850.394+/-0.316 χ^2/NDF: 989127.6/28

All: 1838.833+/-0.224 χ^2/NDF: 1359814.7/58

- sign 1827.271+/-0.316 χ^2/NDF: 368017.5/29



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1065.736+/-864.255 χ^2/NDF:22.2/12

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

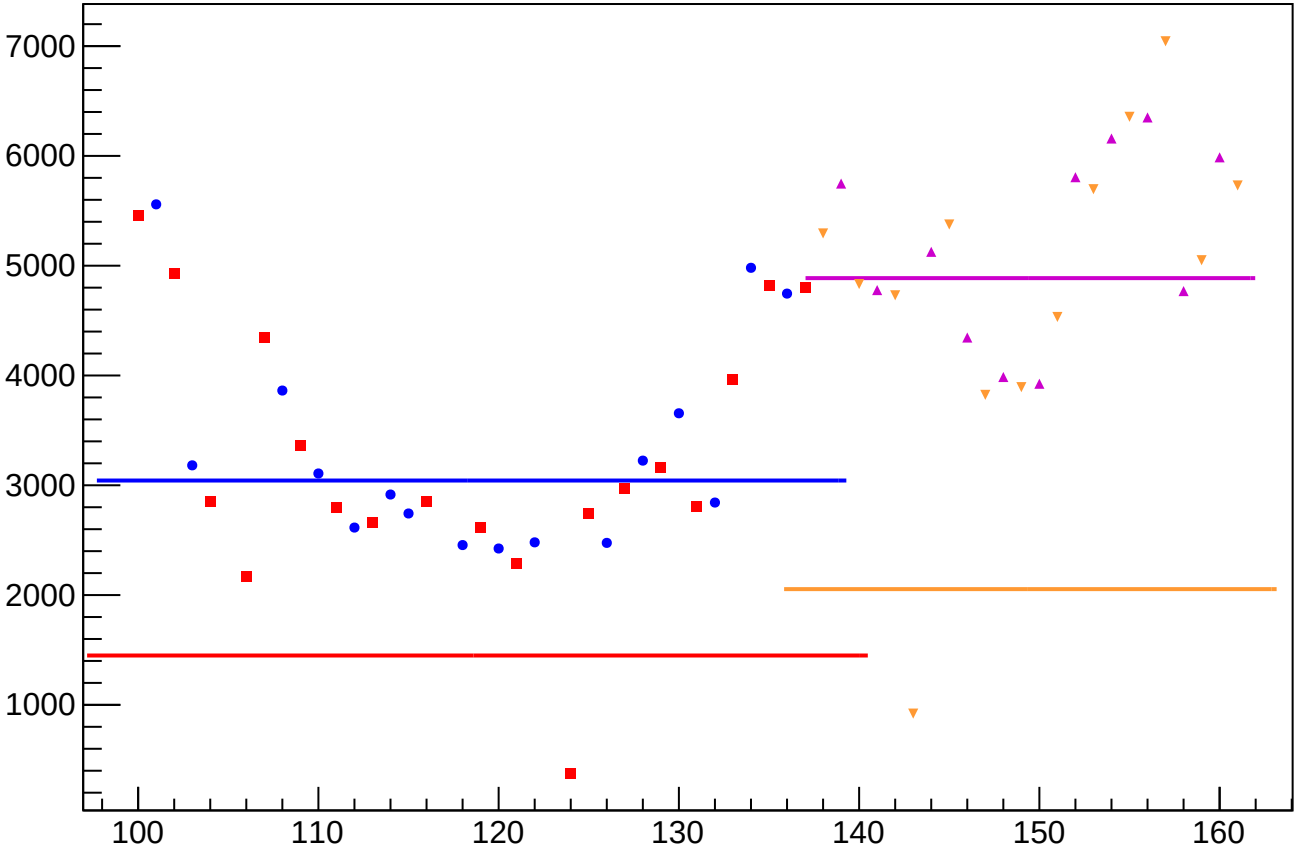
Left In: -1618.320+/-1607.918 χ^2/NDF:4.9/10

+ sign -864.241+/-695.841 χ^2/NDF: 38.3/28

All: -1025.463+/-481.063 χ^2/NDF: 61.9/58

- sign -1173.066+/-665.803 χ^2/NDF: 23.5/29

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2054.161+/-0.611 χ^2/NDF:9198793.8/12

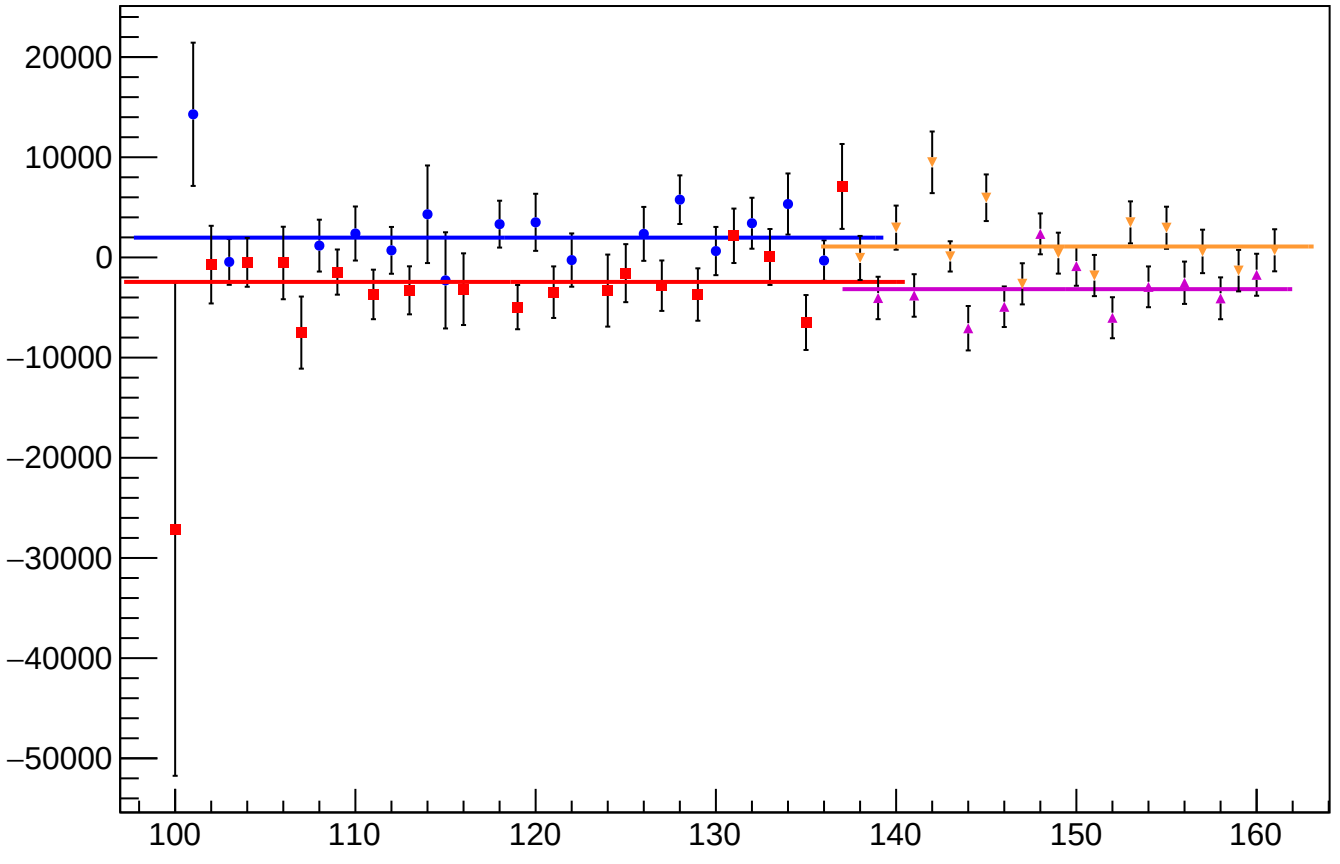
Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4886.735+/-1.137 χ^2/NDF:524892.6/10

+ sign 2402.090+/-0.492 χ^2/NDF: 11025922.4/28

All: 2212.468+/-0.340 χ^2/NDF: 26233363.6/5

- sign 2038.863+/-0.471 χ^2/NDF: 14922944.0/29



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1090.184+/-579.076 χ^2/NDF:22.2/12

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

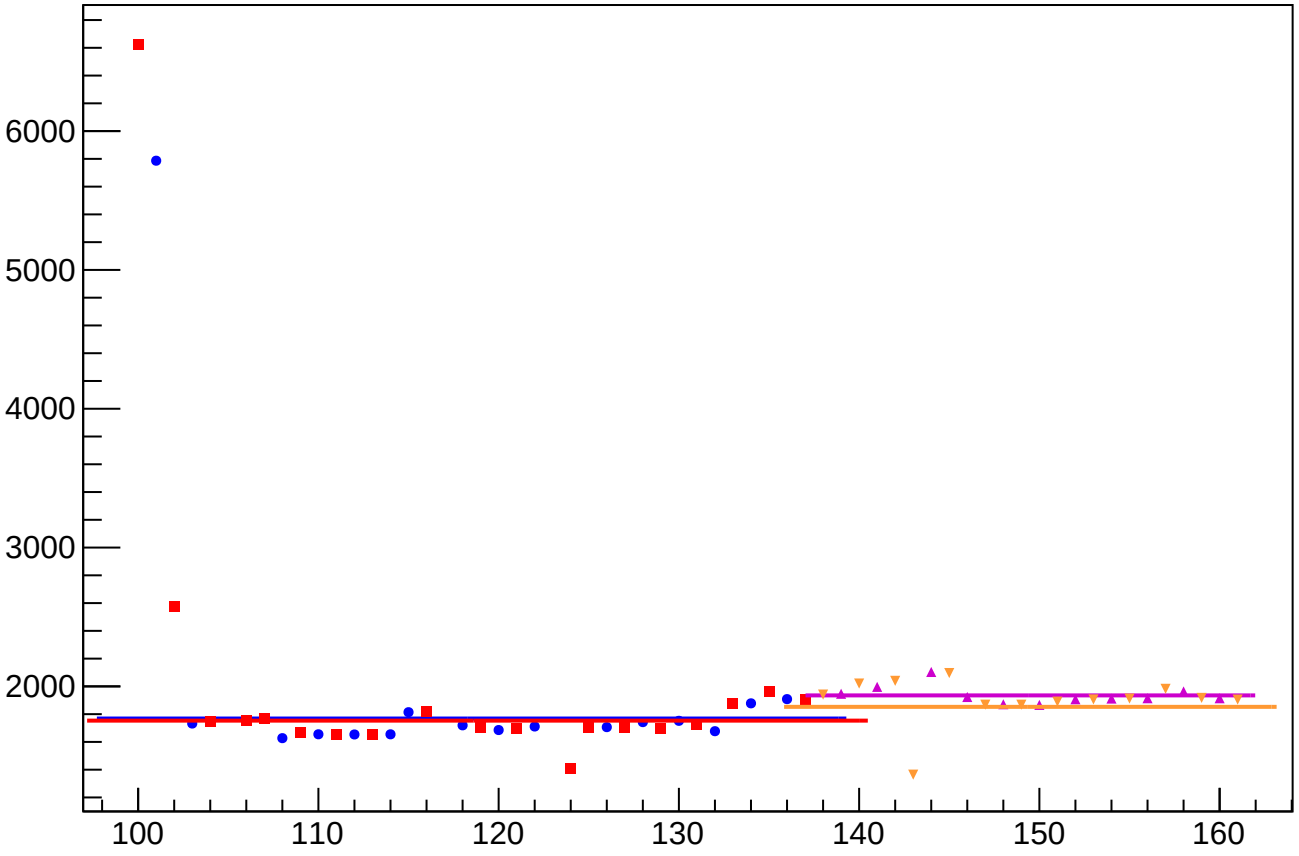
Left In: -3166.386+/-626.258 χ^2/NDF:15.5/10

+ sign 1466.233+/-439.253 χ^2/NDF: 35.6/28

All: -609.768+/-315.527 χ^2/NDF: 115.4/58

- sign -2822.957+/-453.534 χ^2/NDF: 33.6/29

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1852.644+/-0.409 χ^2/NDF:267606.1/12

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

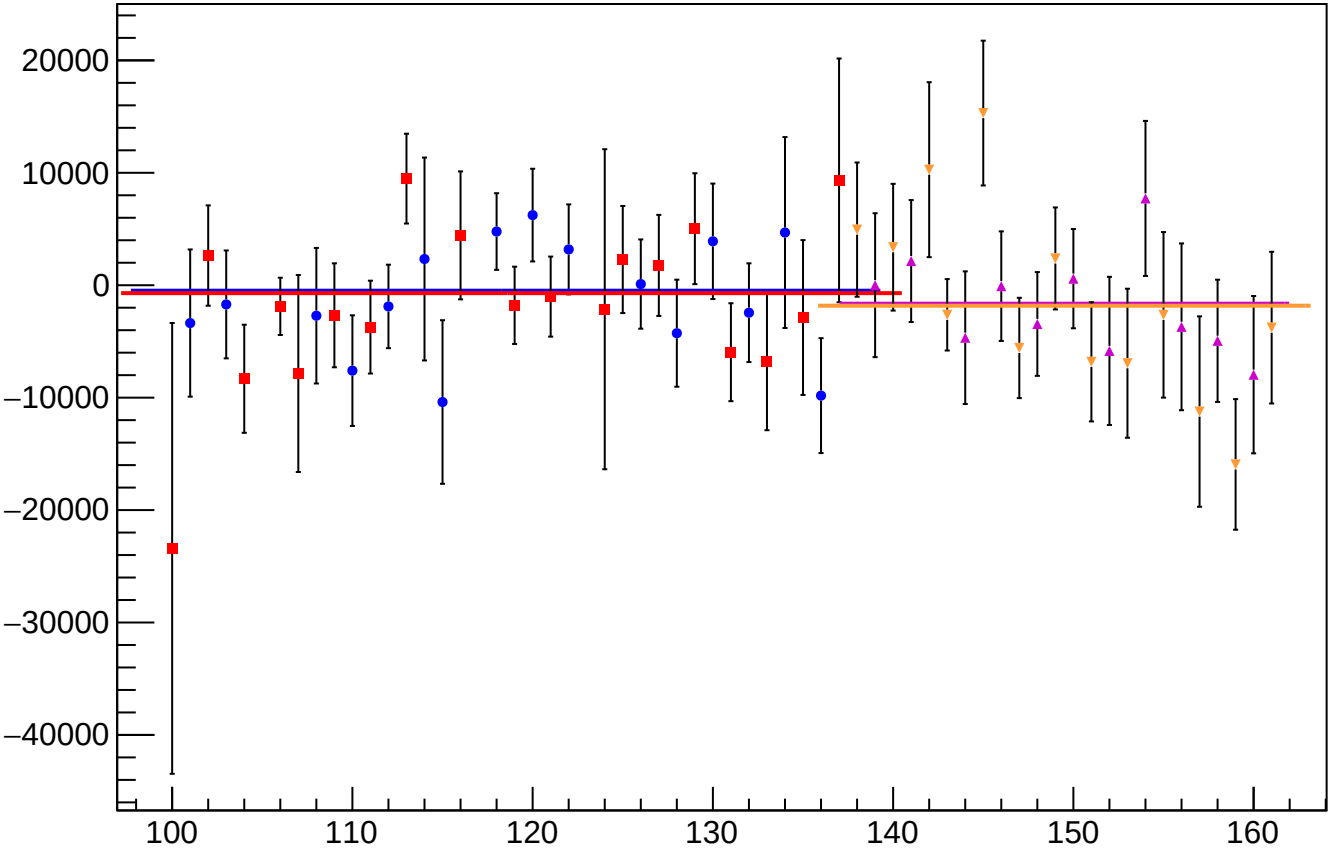
Left In: 1935.135+/-0.443 χ^2/NDF:19131.4/10

+ sign 1816.907+/-0.311 χ^2/NDF: 952913.0/28

All: 1832.200+/-0.223 χ^2/NDF: 1276242.2/58

- sign 1848.464+/-0.320 χ^2/NDF: 318326.4/29

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1821.042+/-1506.918 χ^2/NDF:22.0/12

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

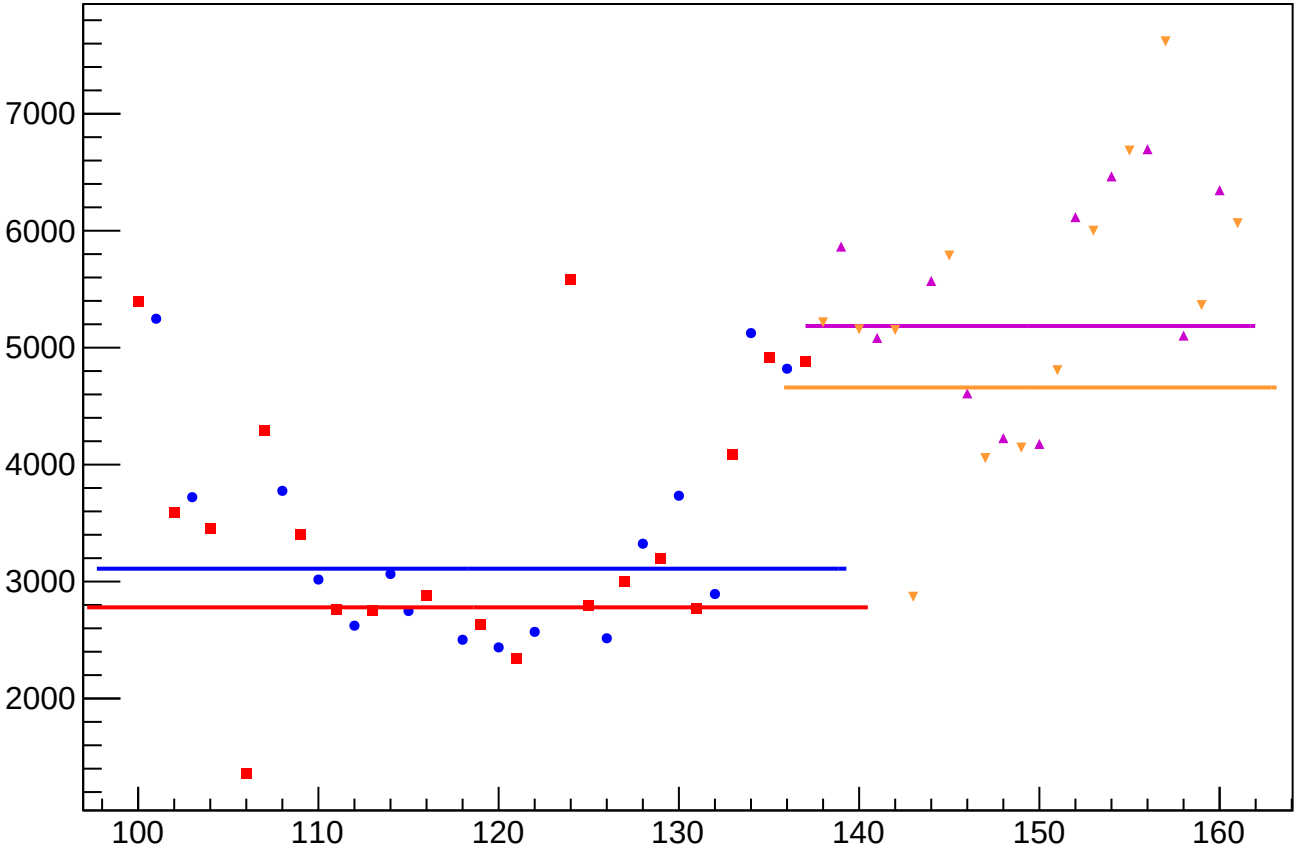
Left In: -1643.614+/-1704.990 χ^2/NDF:4.8/10

+ sign -1004.571+/-938.006 χ^2/NDF: 38.2/28

All: -986.076+/-651.655 χ^2/NDF: 62.1/58

- sign -968.822+/-905.986 χ^2/NDF: 23.9/29

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4659.538+/-1.066 χ^2/NDF:1394642.1/12

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

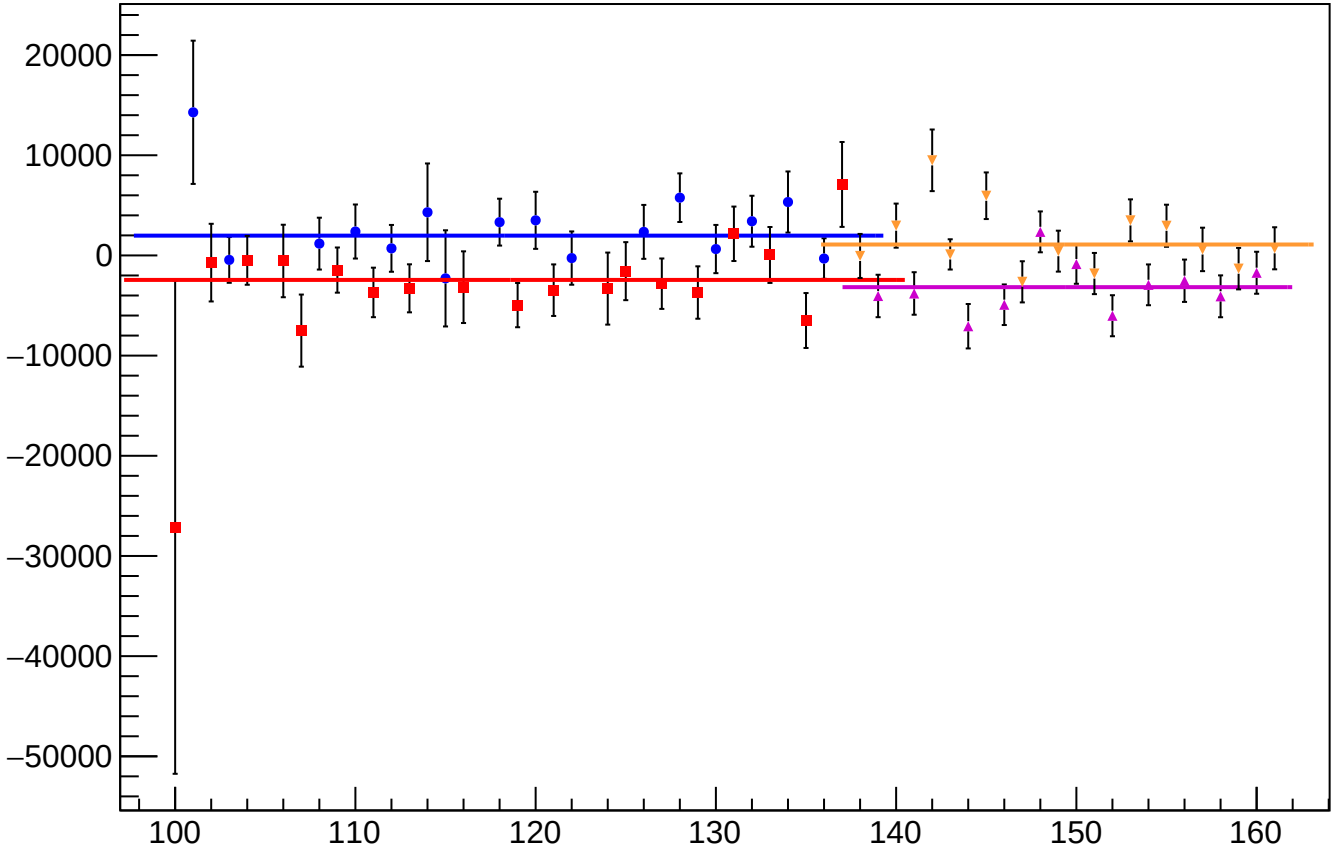
Left In: 5185.209+/-1.206 χ^2/NDF:497775.5/10

+ sign 3710.473+/-0.663 χ^2/NDF: 3573031.3/28

All: 3580.300+/-0.461 χ^2/NDF: 8350552.1/58

- sign 3458.863+/-0.641 χ^2/NDF: 4703071.0/29

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1090.181+/-579.076 χ^2/NDF:22.2/12

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

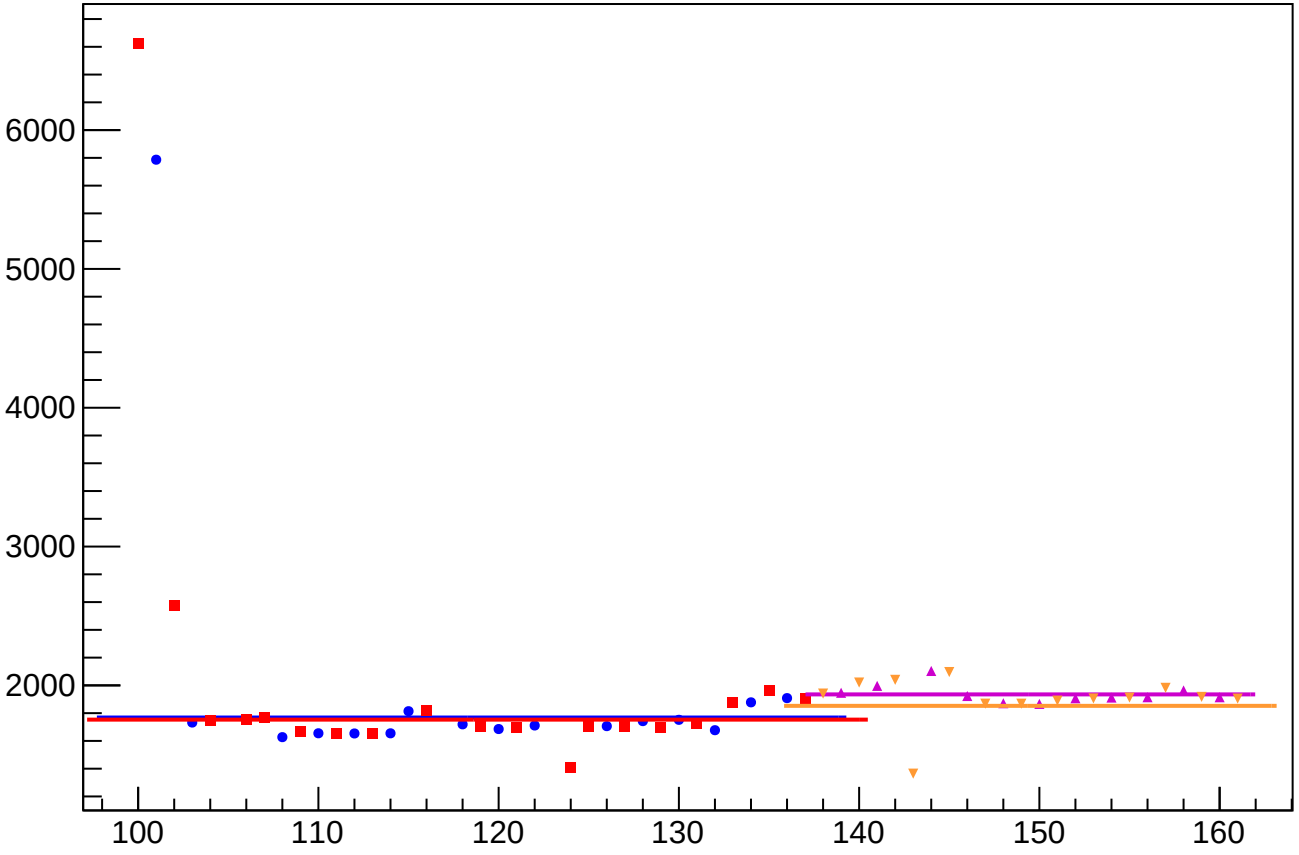
Left In: -3166.386+/-626.259 χ^2/NDF:15.5/10

+ sign 1466.232+/-439.253 χ^2/NDF: 35.6/28

All: -609.768+/-315.527 χ^2/NDF: 115.4/58

- sign -2822.957+/-453.534 χ^2/NDF: 33.6/29

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1852.645+/-0.409 χ^2/NDF:267607.5/12

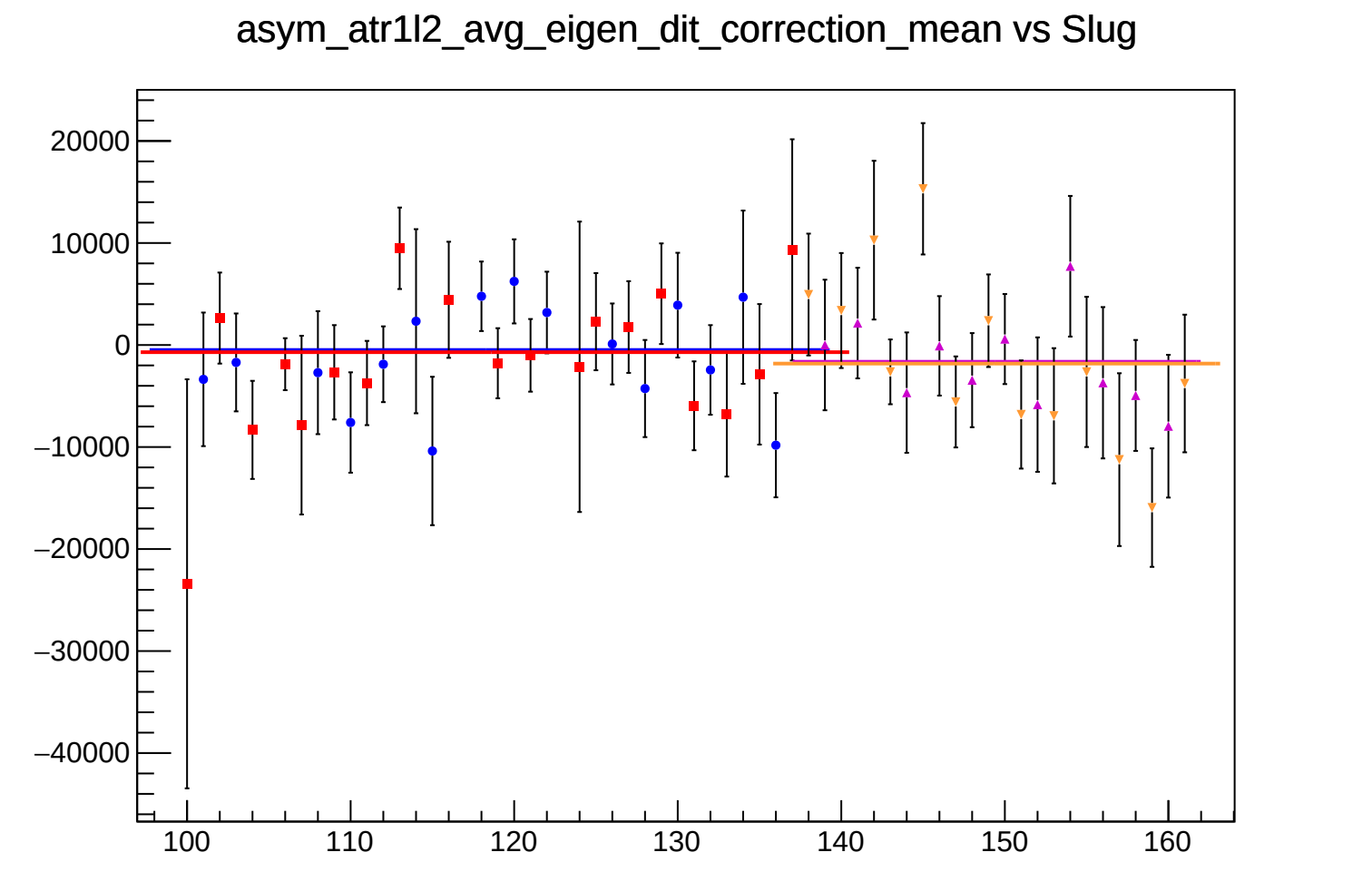
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1935.136+/-0.443 χ^2/NDF:19131.7/10

+ sign 1816.907+/-0.311 χ^2/NDF: 952914.8/28

All: 1832.201+/-0.223 χ^2/NDF: 1276245.2/58

- sign 1848.464+/-0.320 χ^2/NDF: 318327.7/29



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1821.048+/-1506.919 χ^2/NDF:22.0/12

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

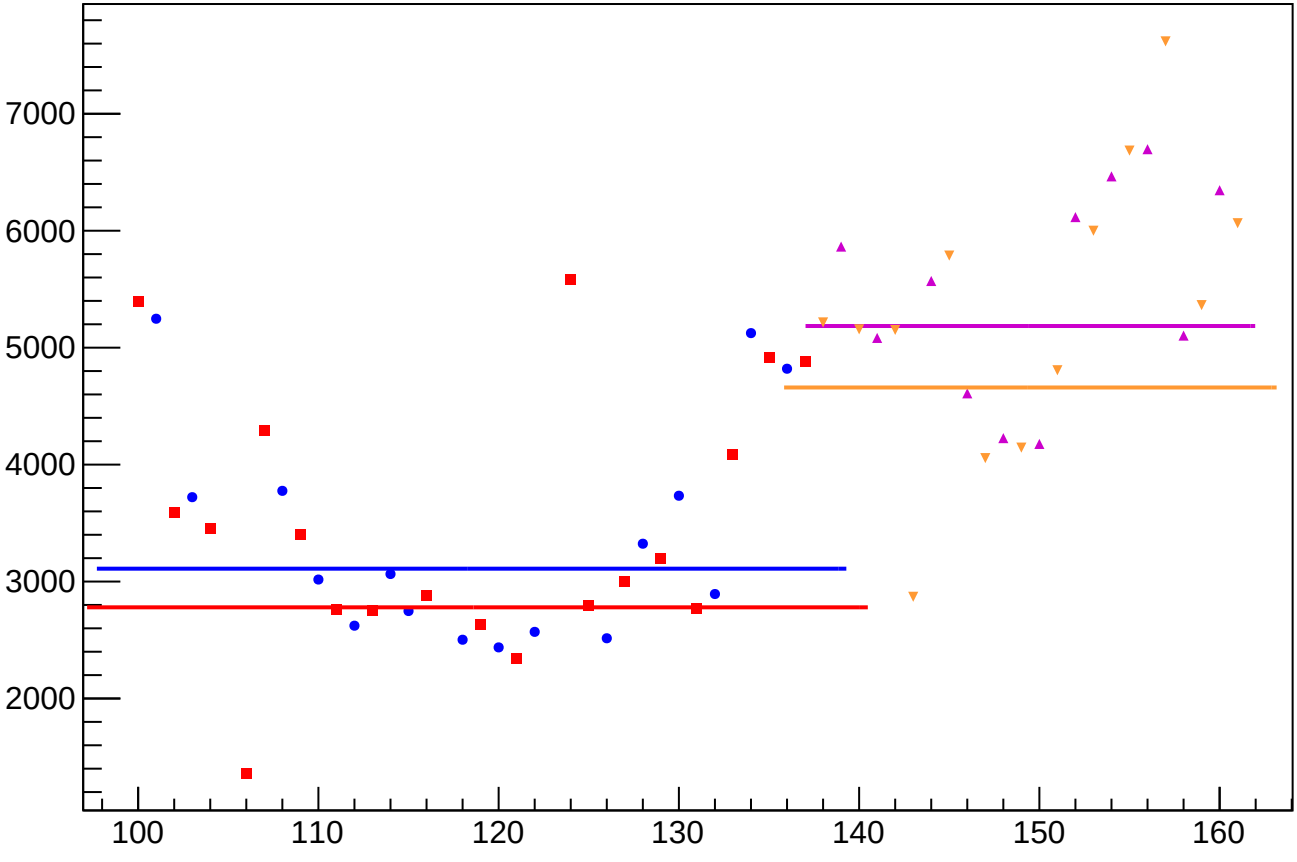
Left In: -1643.615+/-1704.992 χ^2/NDF:4.8/10

+ sign -1004.567+/-938.004 χ^2/NDF: 38.2/28

All: -986.073+/-651.653 χ^2/NDF: 62.1/58

- sign -968.822+/-905.984 χ^2/NDF: 23.9/29

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4659.542+/-1.066 χ^2/NDF:1394648.7/12

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

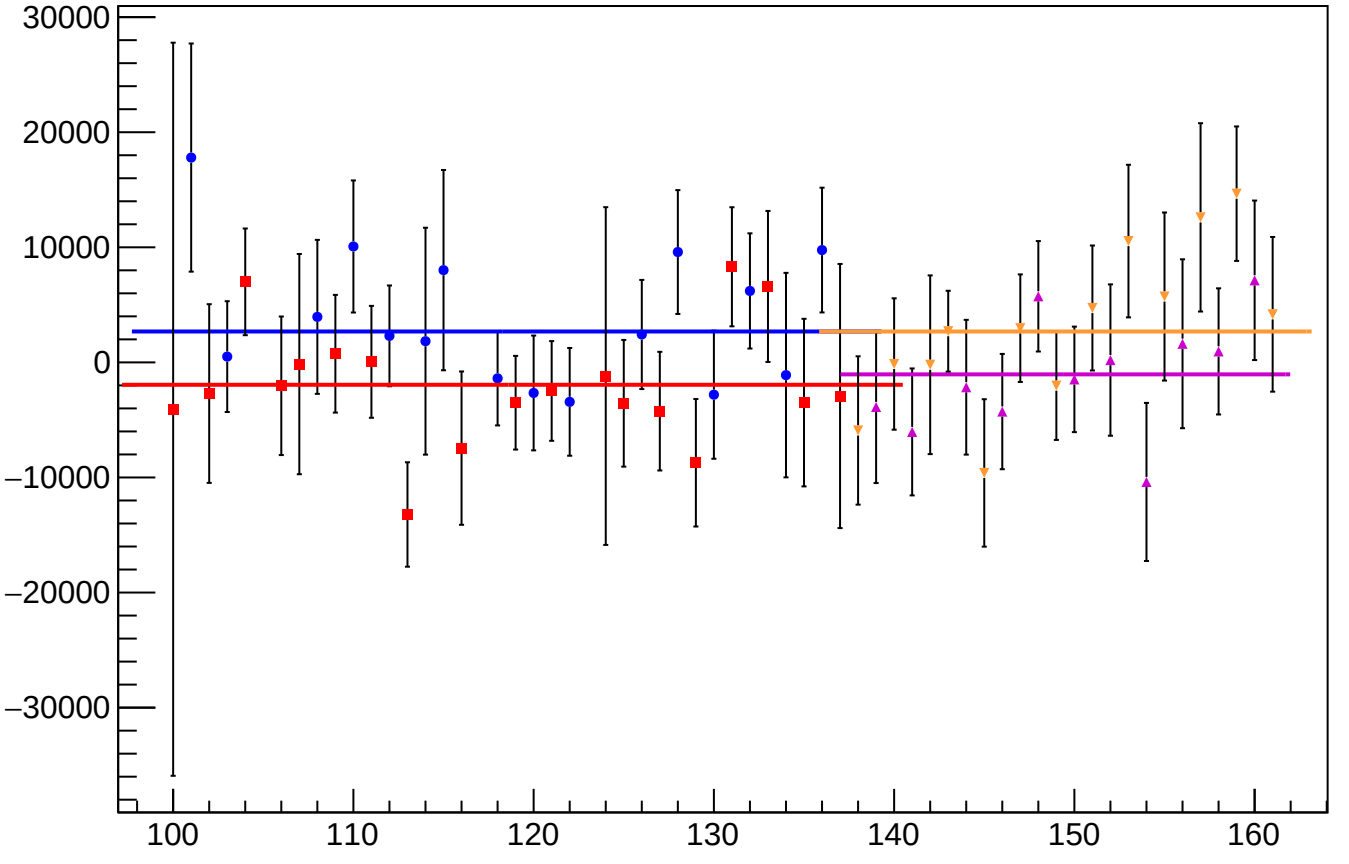
Left In: 5185.214+/-1.206 χ^2/NDF:497778.7/10

+ sign 3710.464+/-0.663 χ^2/NDF: 3573074.1/28

All: 3580.290+/-0.461 χ^2/NDF: 8350665.3/58

- sign 3458.851+/-0.641 χ^2/NDF: 4703138.6/29

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2684.042+/-1563.096 χ^2/NDF:14.3/12

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

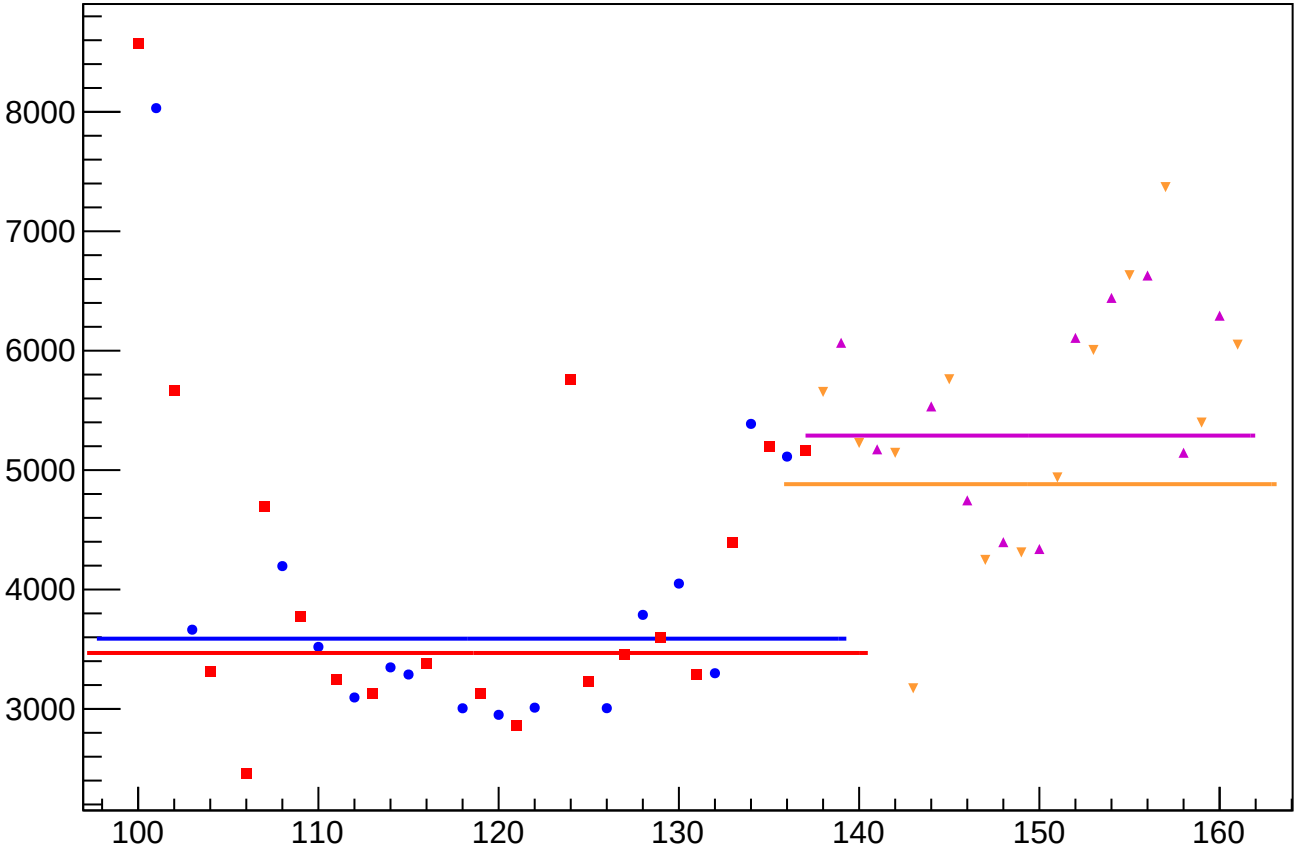
Left In: -1040.910+/-1733.567 χ^2/NDF:7.0/10

+ sign 2684.813+/-1034.475 χ^2/NDF: 27.7/28

All: 583.313+/-739.221 χ^2/NDF: 62.0/58

- sign -1609.505+/-1056.712 χ^2/NDF: 25.9/29

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4882.259+/-1.105 χ^2/NDF:1049349.9/12

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

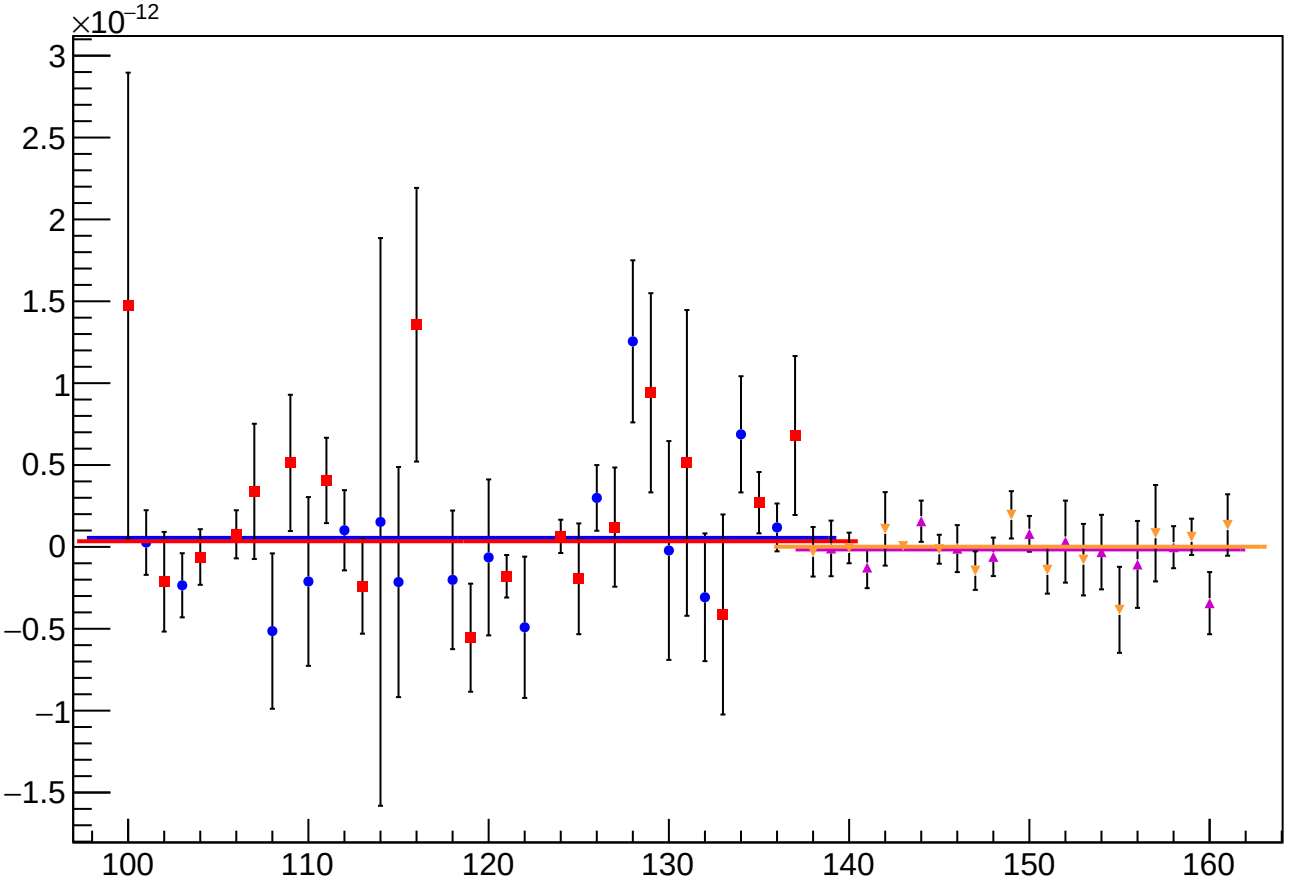
Left In: 5289.053+/-1.226 χ^2/NDF:407800.3/10

+ sign 4155.119+/-0.731 χ^2/NDF: 2664679.4/28

All: 4143.728+/-0.520 χ^2/NDF: 5141194.5/58

- sign 4132.070+/-0.740 χ^2/NDF: 2476024.4/29

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:7.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

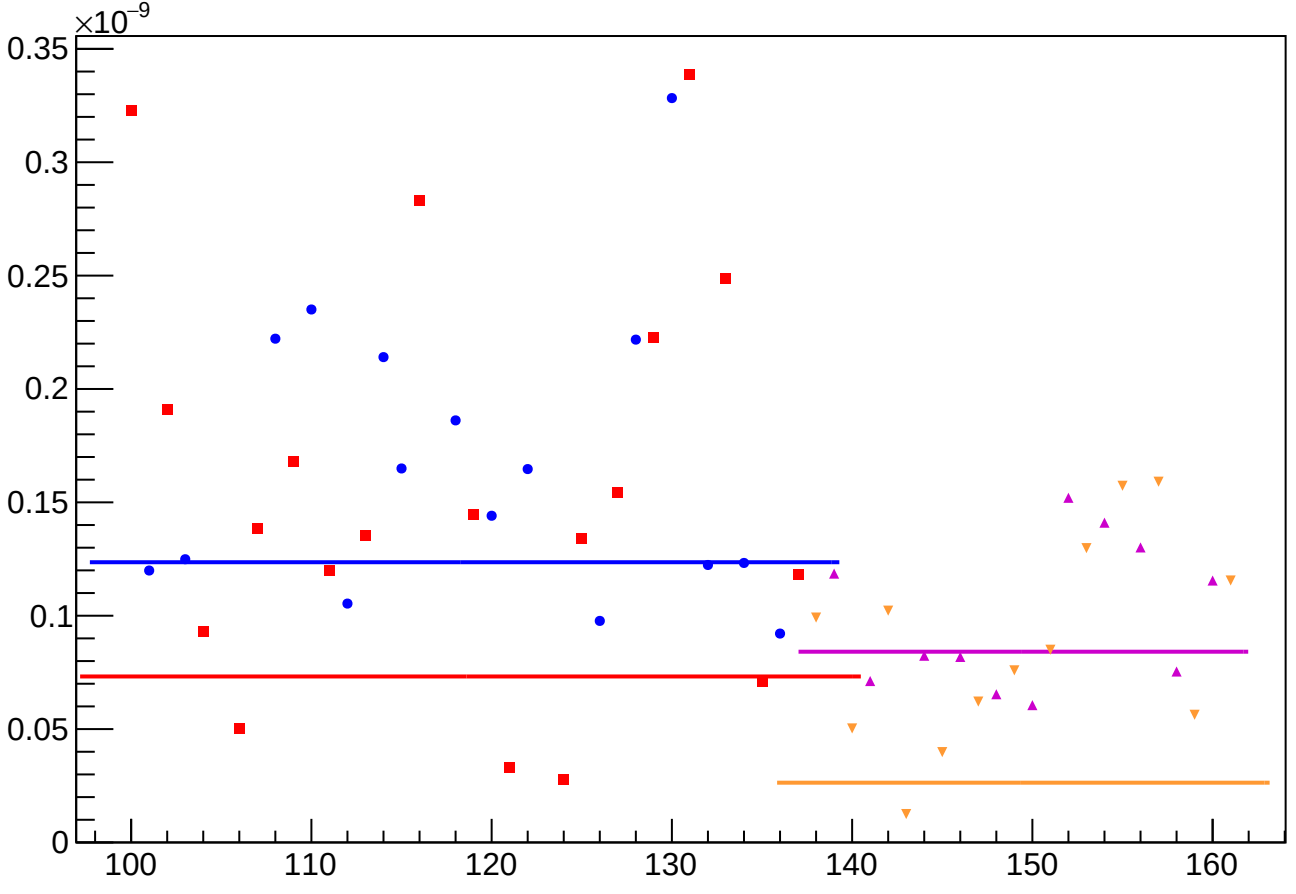
Left In: -0.000+/-0.000 χ^2/NDF:6.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 26.0/28

All: 0.000+/-0.000 χ^2/NDF: 55.5/58

- sign 0.000+/-0.000 χ^2/NDF: 29.5/29

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4325624.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

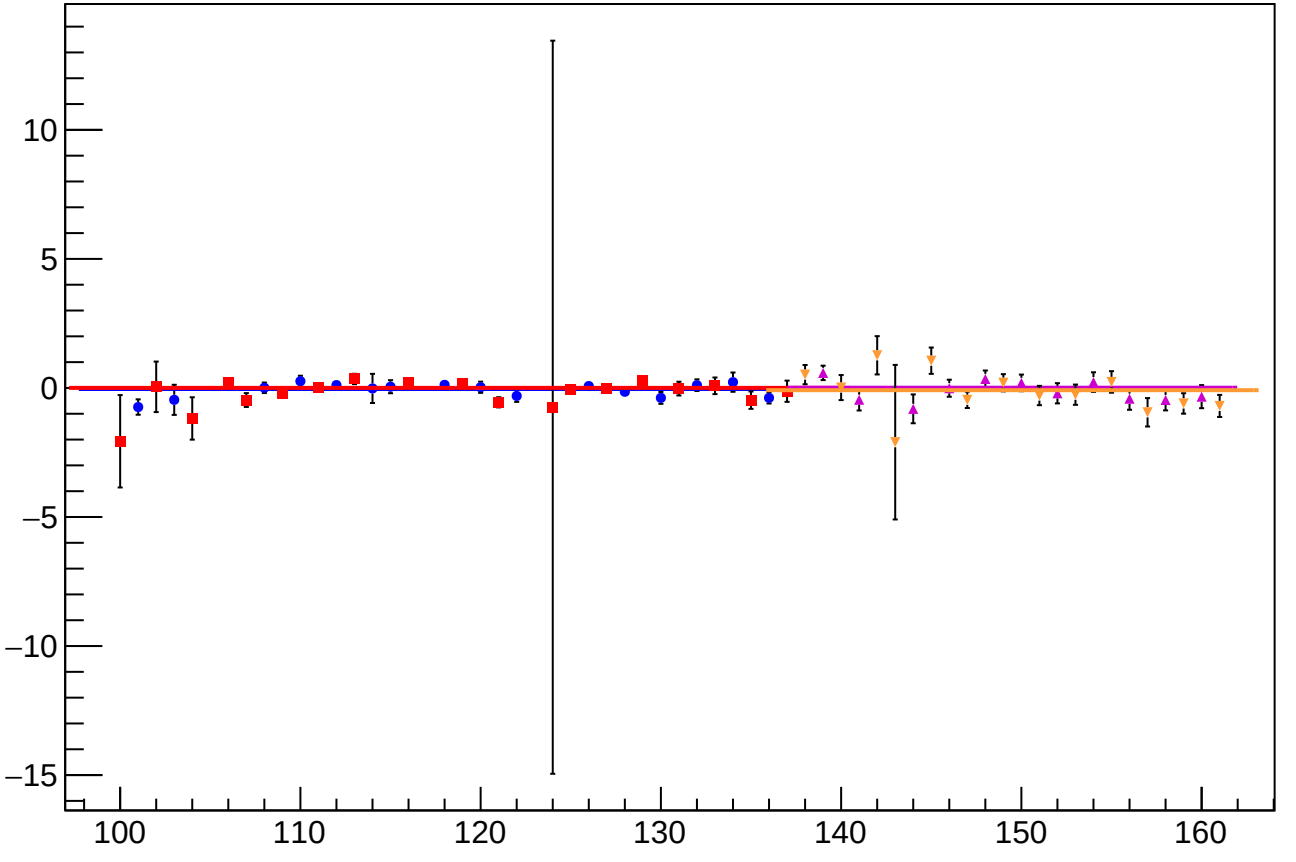
Left In: 0.000+/-0.000 χ^2/NDF:644204.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 8285532.7/28

All: 0.000+/-0.000 χ^2/NDF: 14037446.5/58

- sign 0.000+/-0.000 χ^2/NDF: 2882515.1/29

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.086+/-0.119 χ^2/NDF:20.8/12

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

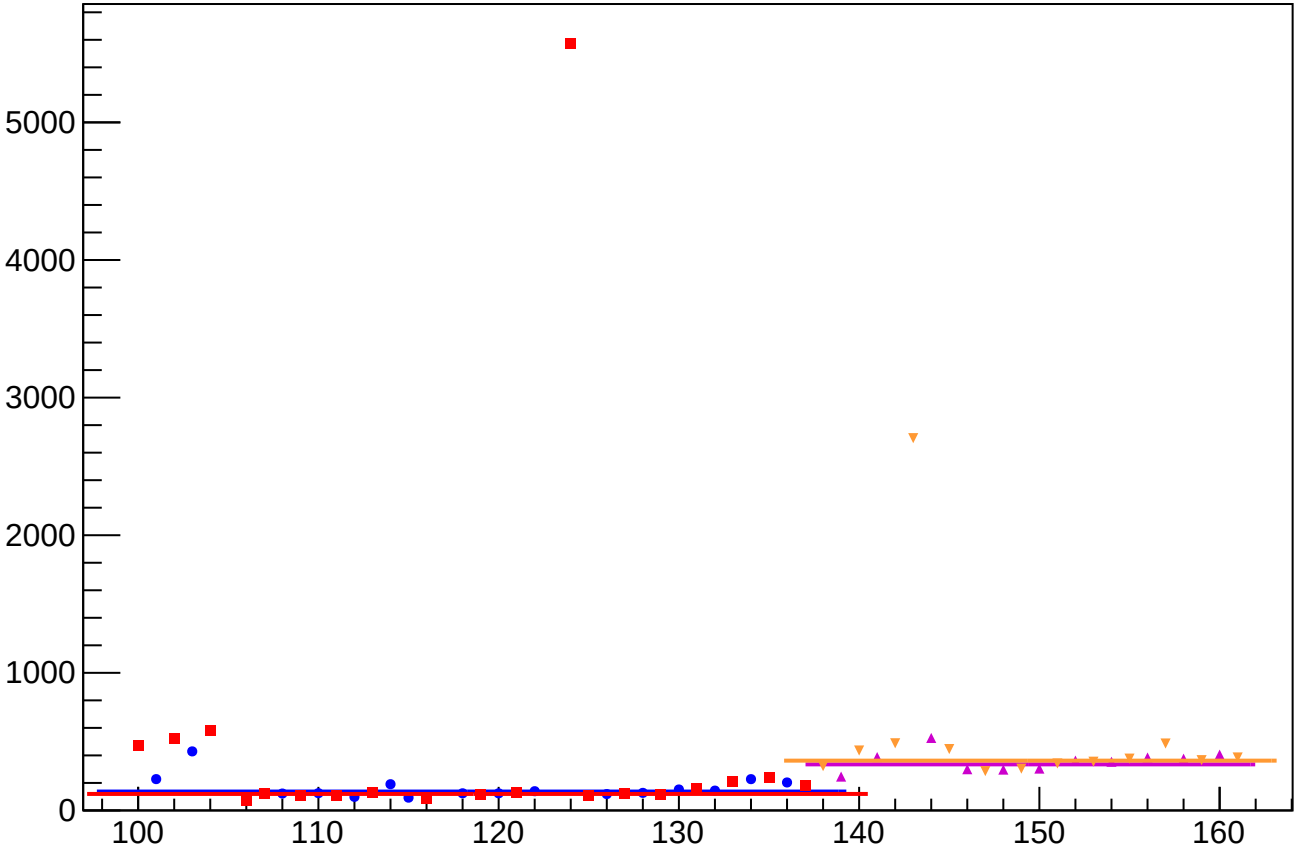
Left In: 0.009+/-0.112 χ^2/NDF:12.7/10

+ sign -0.048+/-0.051 χ^2/NDF: 38.9/28

All: -0.020+/-0.034 χ^2/NDF: 80.8/58

- sign 0.004+/-0.046 χ^2/NDF: 41.4/29

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 361.982+/-0.084 χ^2/NDF:1700426.8/12

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

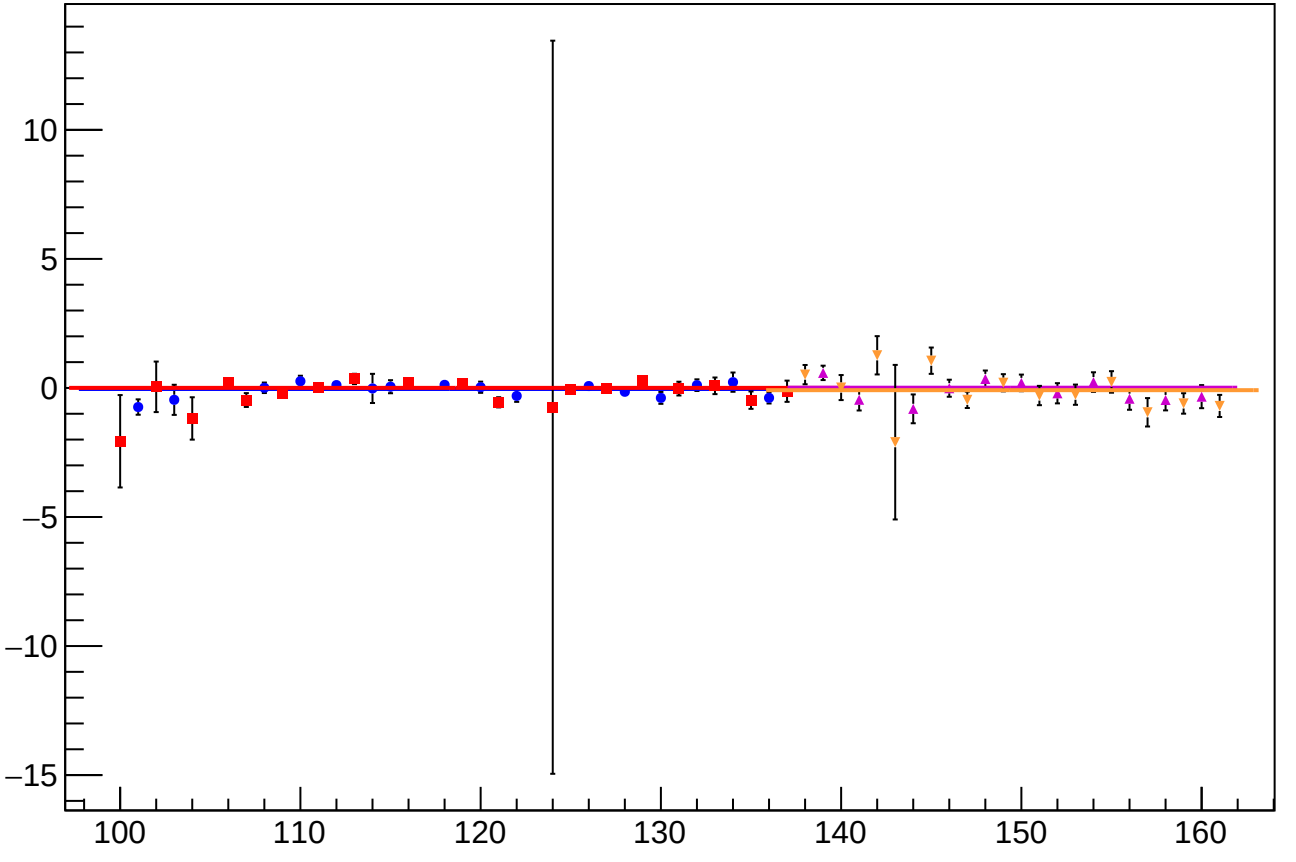
Left In: 334.934+/-0.079 χ^2/NDF:653385.5/10

+ sign 177.949+/-0.036 χ^2/NDF: 8813947.7/28

All: 166.534+/-0.024 χ^2/NDF: 17915468.3/58

- sign 156.932+/-0.033 χ^2/NDF: 8913603.4/29

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.086+/-0.119 χ^2/NDF:20.8/12

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

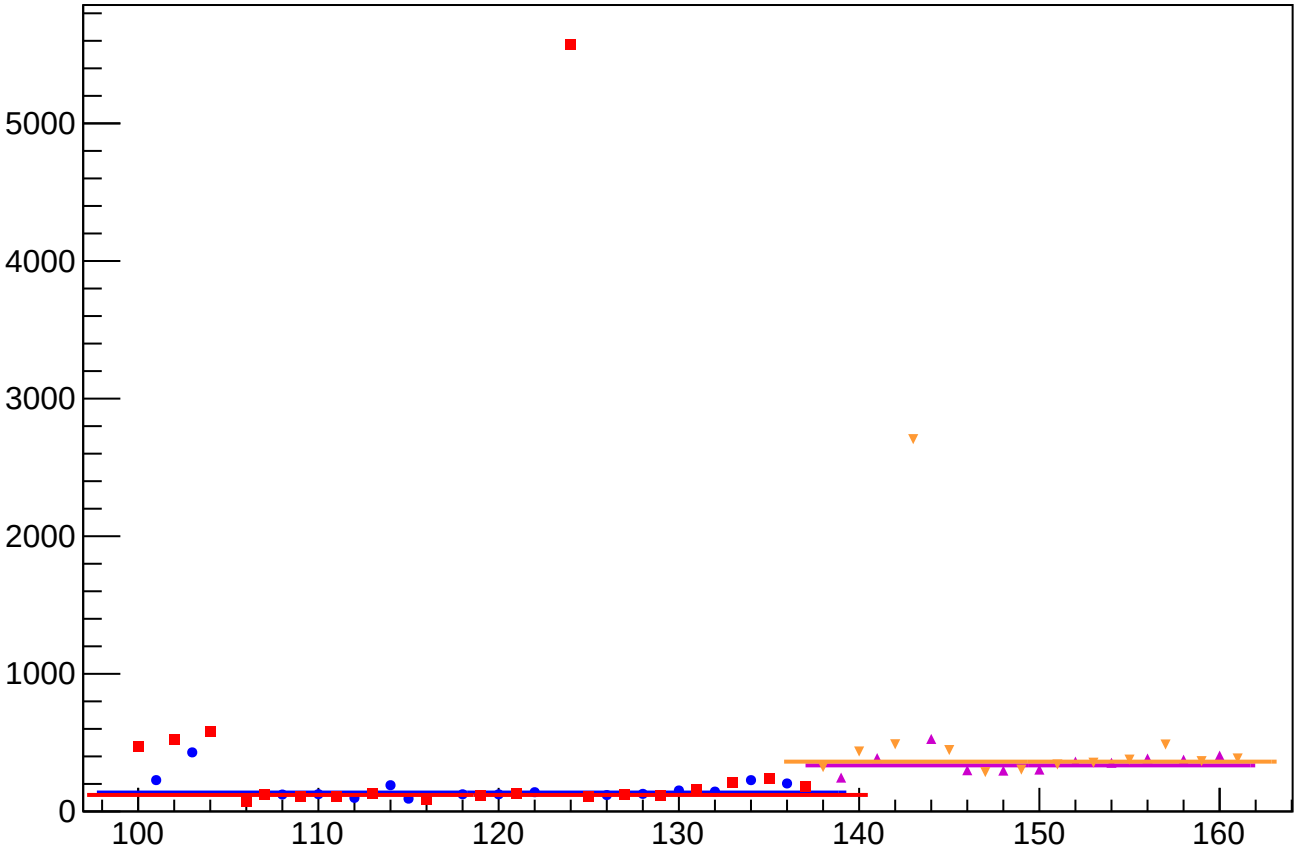
Left In: 0.009+/-0.112 χ^2/NDF:12.7/10

+ sign -0.048+/-0.051 χ^2/NDF: 38.9/28

All: -0.020+/-0.034 χ^2/NDF: 80.8/58

- sign 0.004+/-0.046 χ^2/NDF: 41.4/29

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: 361.982+/-0.084 χ^2/NDF:1700426.8/12

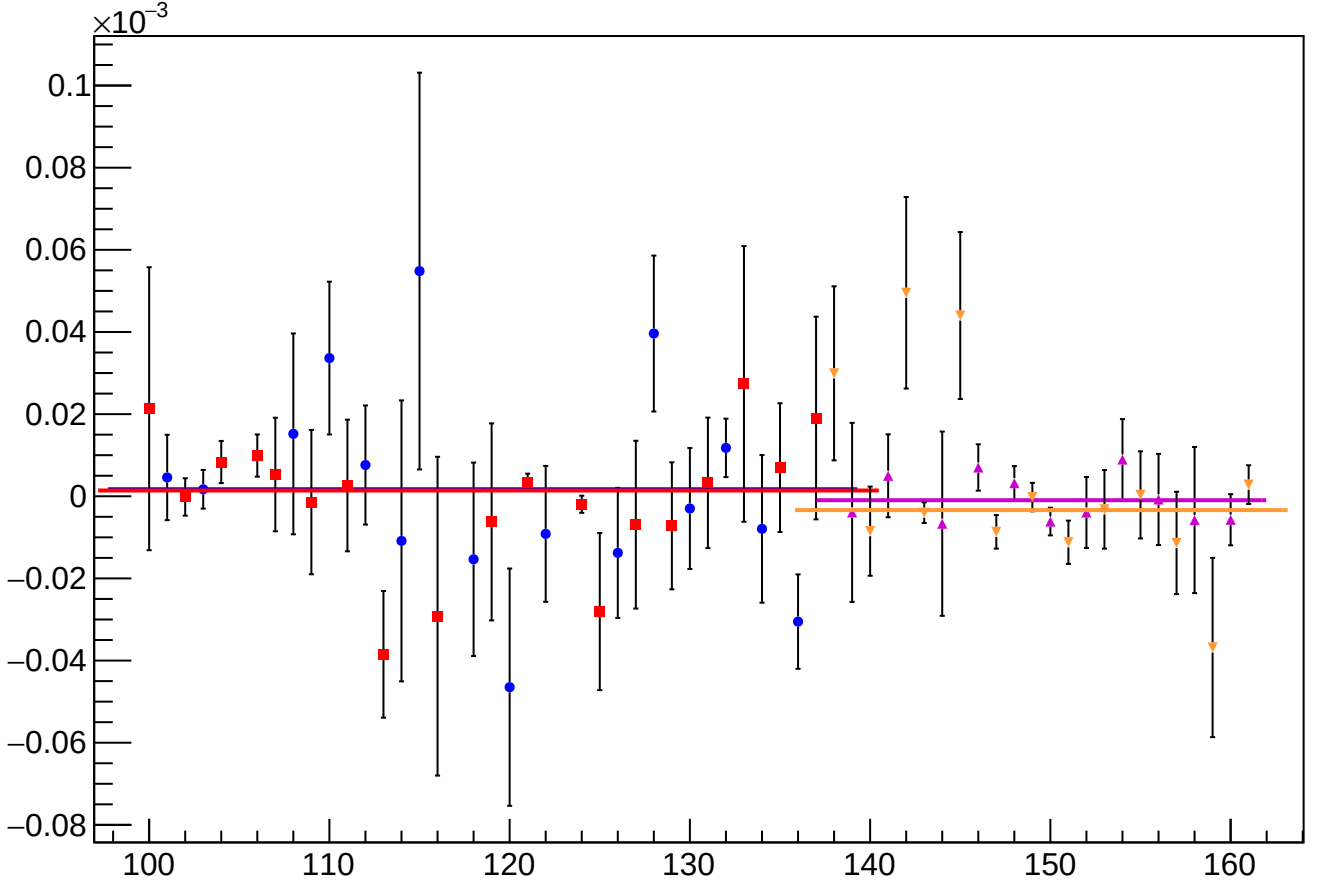
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 334.934+/-0.079 χ^2/NDF:653385.5/10

+ sign 177.949+/-0.036 χ^2/NDF: 8813947.7/28

All: 166.534+/-0.024 χ^2/NDF: 17915468.3/58

- sign 156.932+/-0.033 χ^2/NDF: 8913603.4/29



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/12

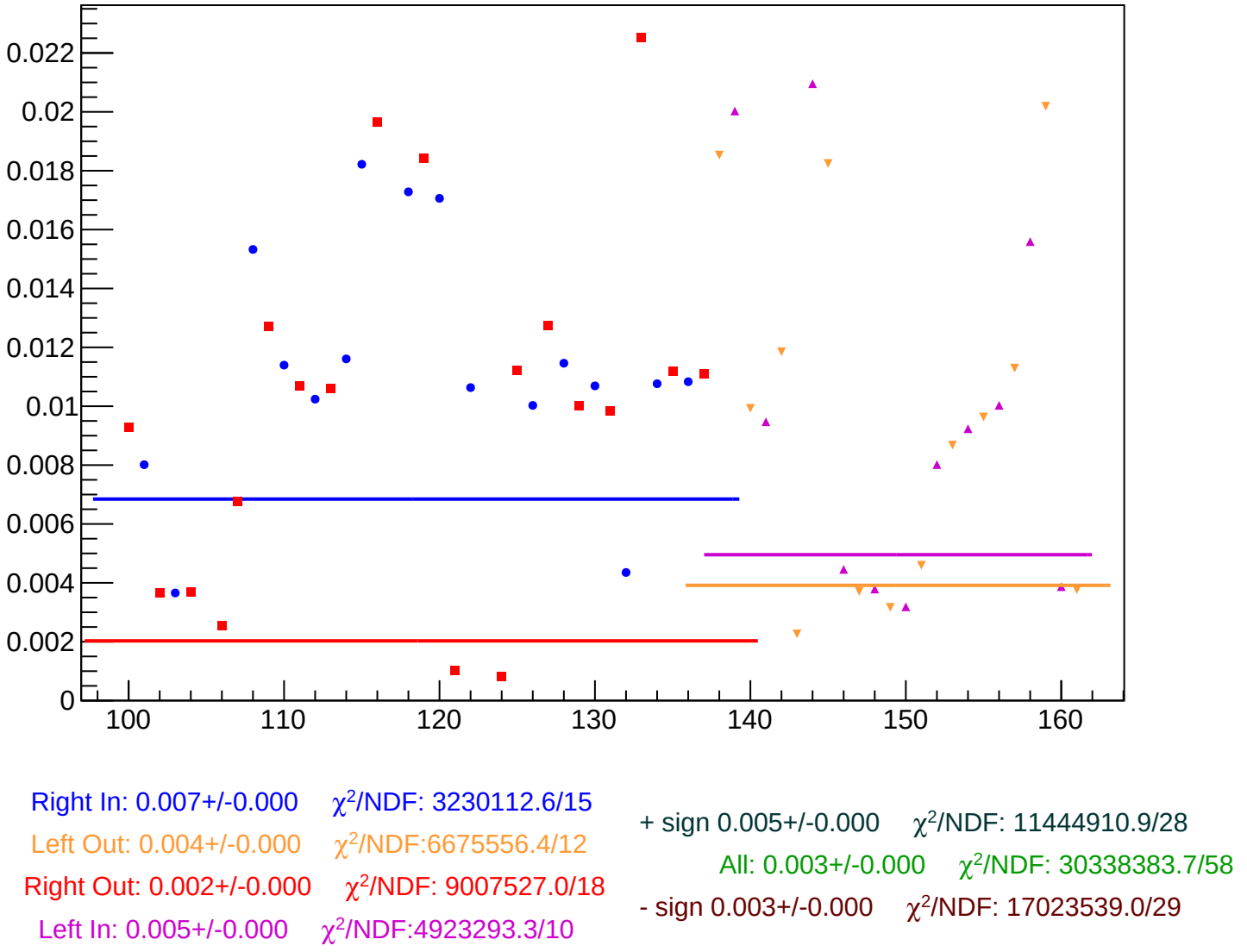
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/10

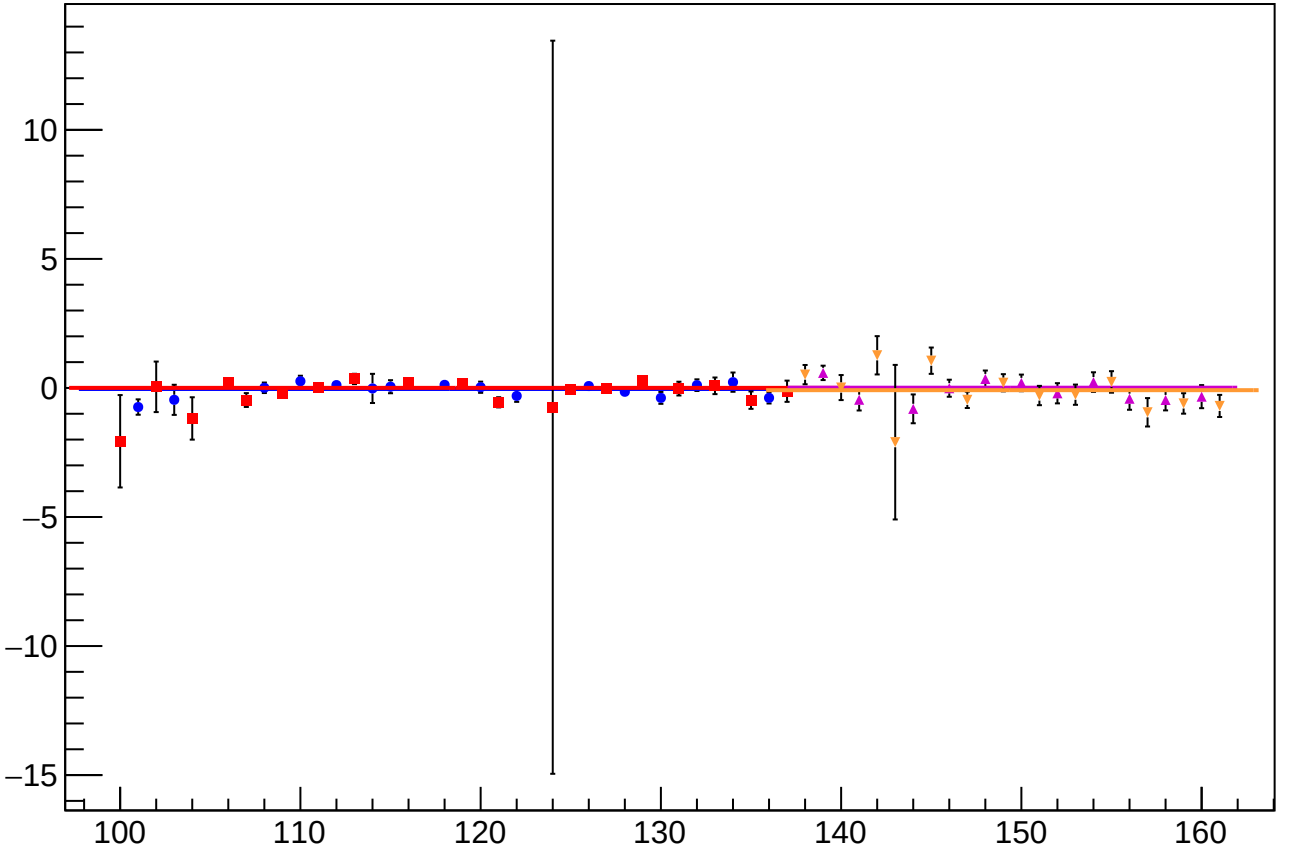
+ sign -0.000+/-0.000 χ^2/NDF: 48.8/28

All: -0.000+/-0.000 χ^2/NDF: 80.7/58

- sign 0.000+/-0.000 χ^2/NDF: 28.9/29


asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
Right In: 0.007+/-0.000 χ²/NDF: 3230112.6/15
Left Out: 0.004+/-0.000 χ²/NDF:6675556.4/12
Right Out: 0.002+/-0.000 χ²/NDF: 9007527.0/18
Left In: 0.005+/-0.000 χ²/NDF:4923293.3/10
+ sign 0.005+/-0.000 χ²/NDF: 11444910.9/28
All: 0.003+/-0.000 χ²/NDF: 30338383.7/58
- sign 0.003+/-0.000 χ²/NDF: 17023539.0/29

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.086+/-0.119 χ^2/NDF:20.8/12

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

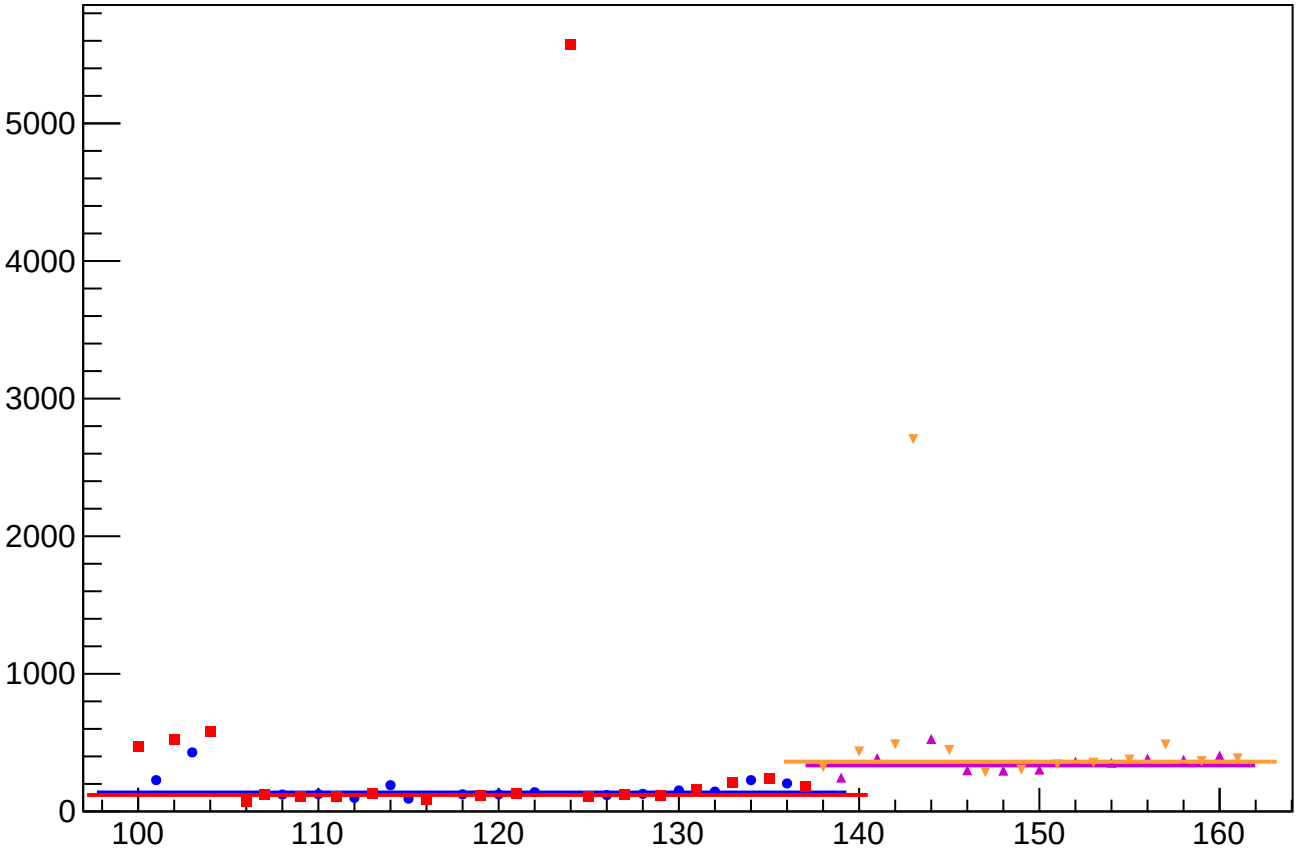
Left In: 0.009+/-0.112 χ^2/NDF:12.7/10

\+ sign -0.048+/-0.051 χ^2/NDF: 38.9/28

All: -0.020+/-0.034 χ^2/NDF: 80.8/58

\- sign 0.004+/-0.046 χ^2/NDF: 41.4/29

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 361.985+/-0.084 χ^2/NDF:1700466.1/12

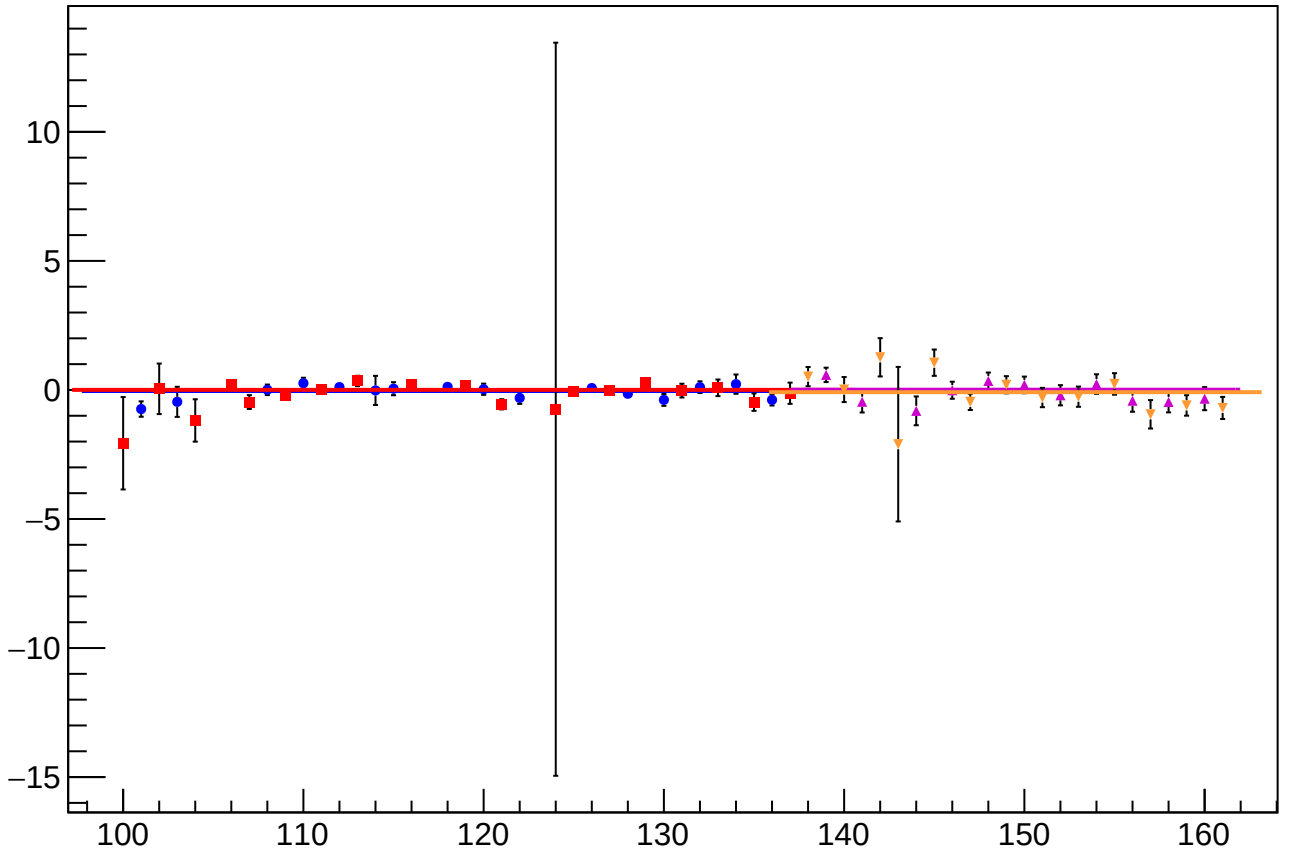
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 334.939+/-0.079 χ^2/NDF:653379.4/10

+ sign 177.950+/-0.036 χ^2/NDF: 8813952.2/28

All: 166.535+/-0.024 χ^2/NDF: 17915539.2/58

- sign 156.932+/-0.033 χ^2/NDF: 8913650.4/29



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.086+/-0.119 χ^2/NDF:20.8/12

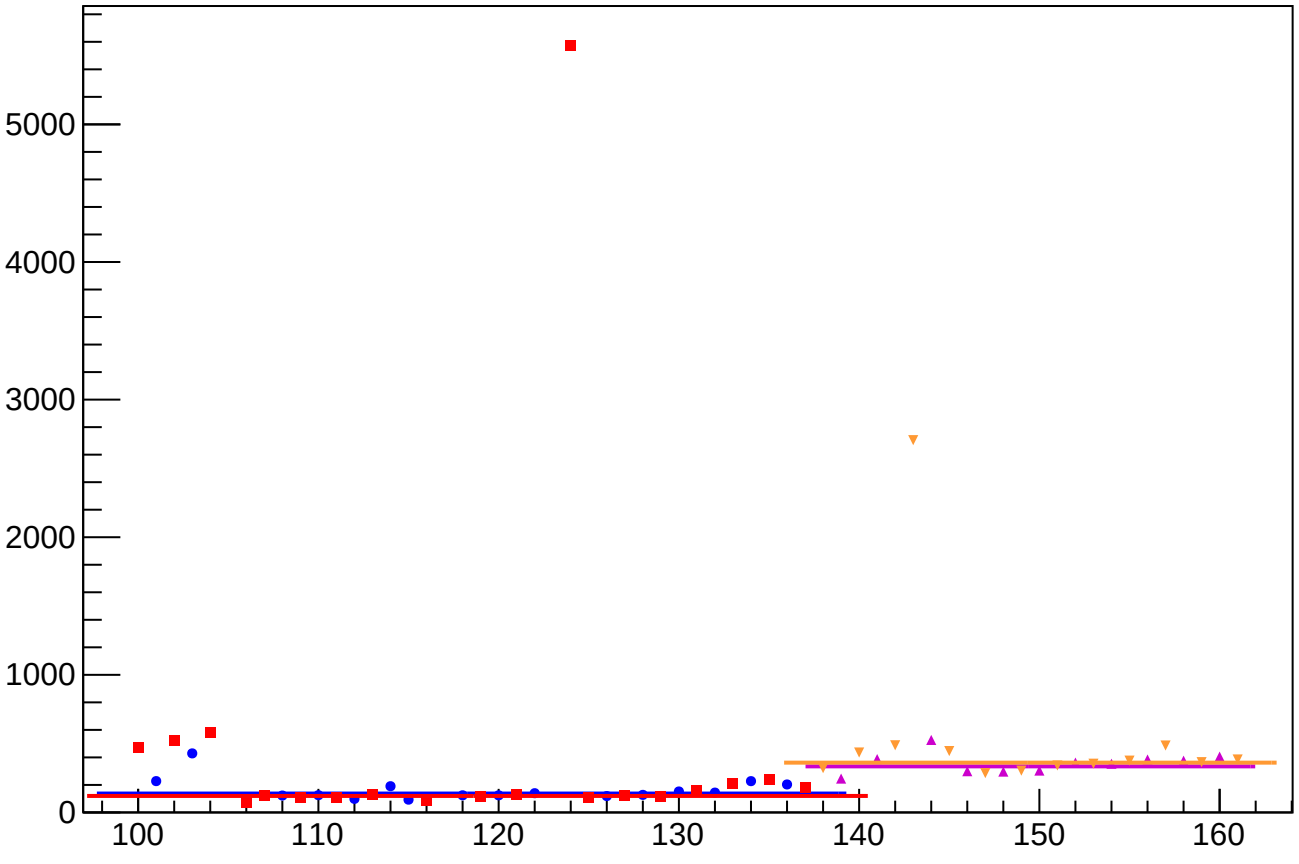
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.009+/-0.112 χ^2/NDF:12.7/10

\+ sign -0.048+/-0.051 χ^2/NDF: 38.9/28

All: -0.020+/-0.034 χ^2/NDF: 80.8/58

\- sign 0.004+/-0.046 χ^2/NDF: 41.4/29



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 361.985+/-0.084 χ^2/NDF:1700466.1/12

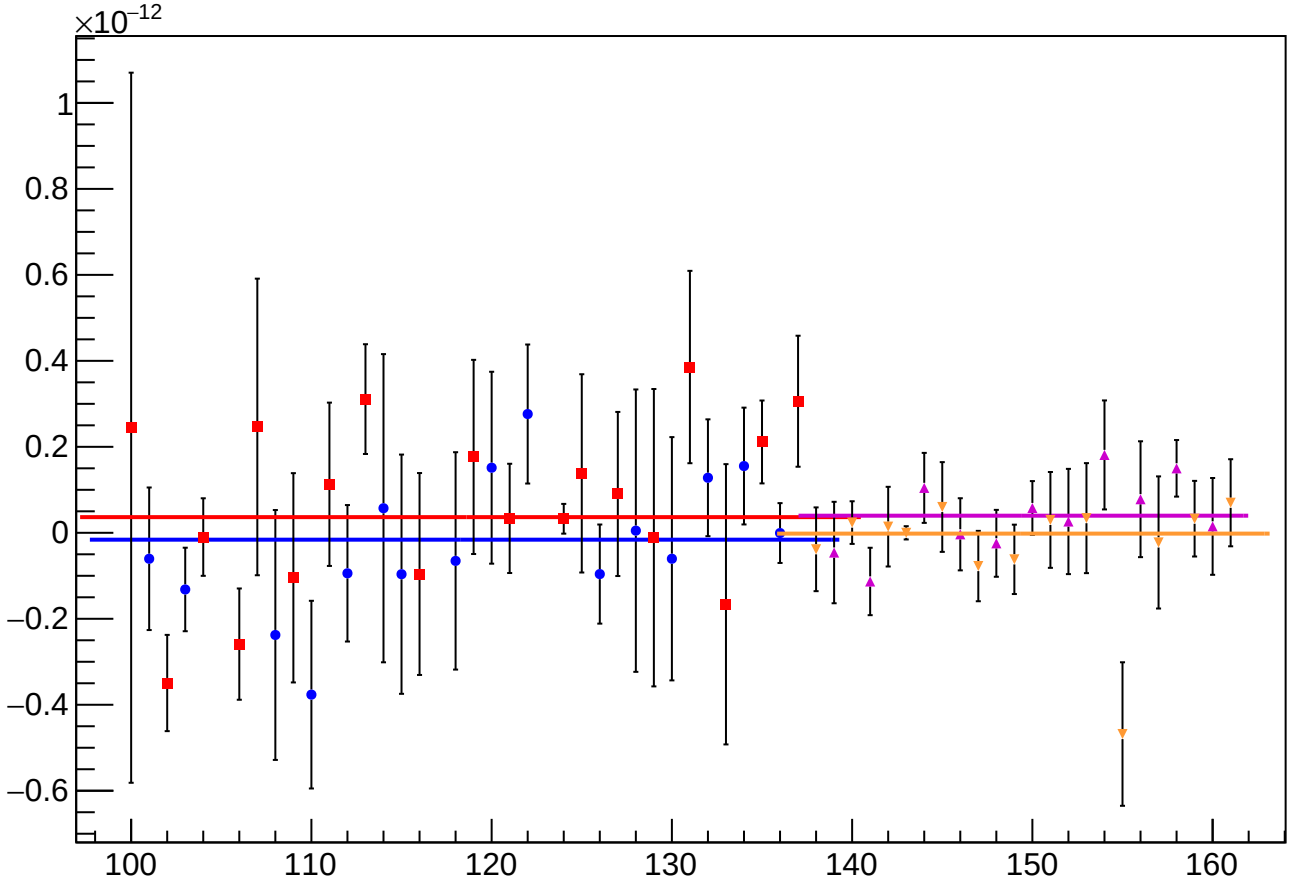
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 334.939+/-0.079 χ^2/NDF:653379.4/10

+ sign 177.950+/-0.036 χ^2/NDF: 8813952.2/28

All: 166.535+/-0.024 χ^2/NDF: 17915539.2/58

- sign 156.932+/-0.033 χ^2/NDF: 8913650.4/29



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.8/12

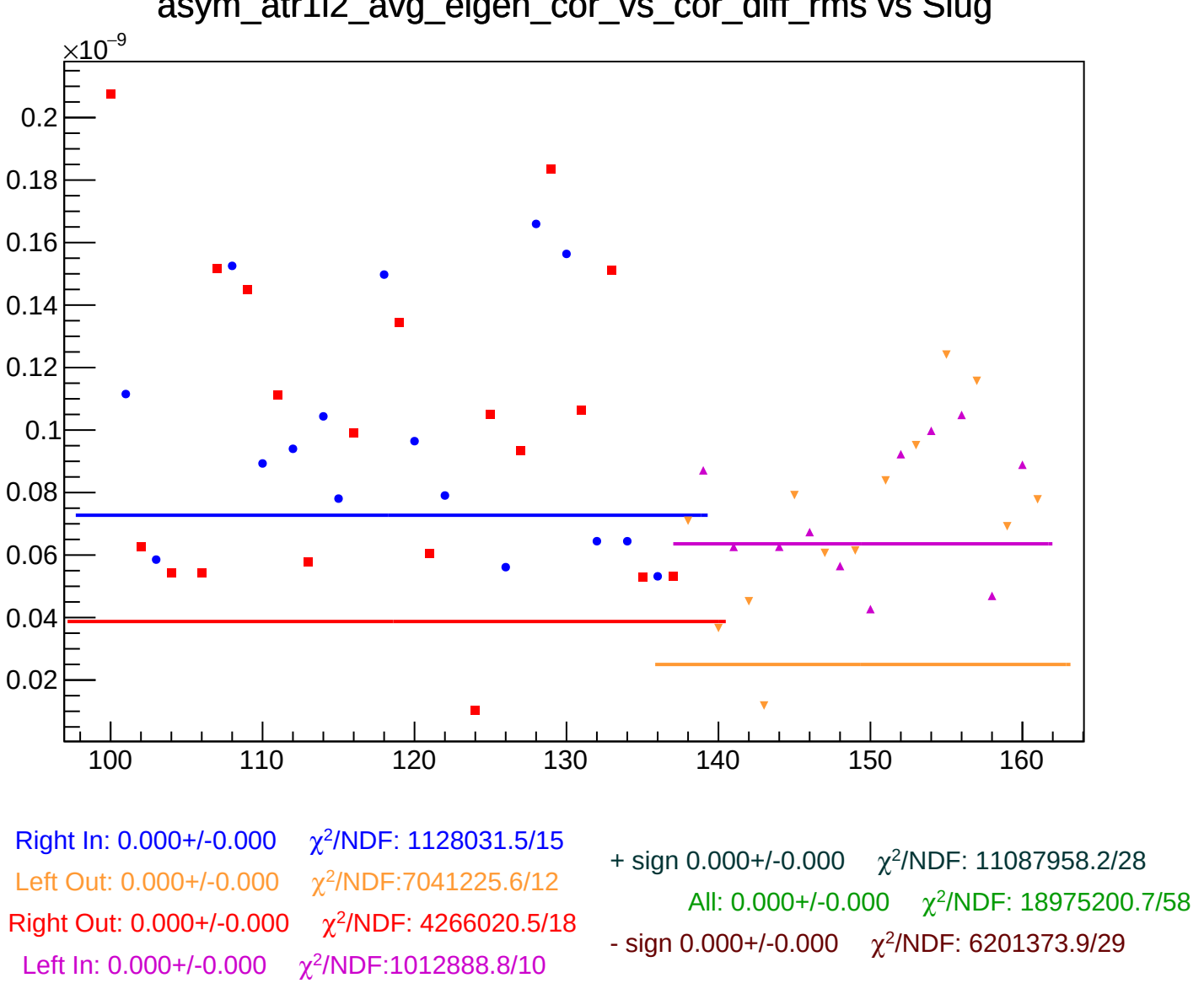
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.2/10

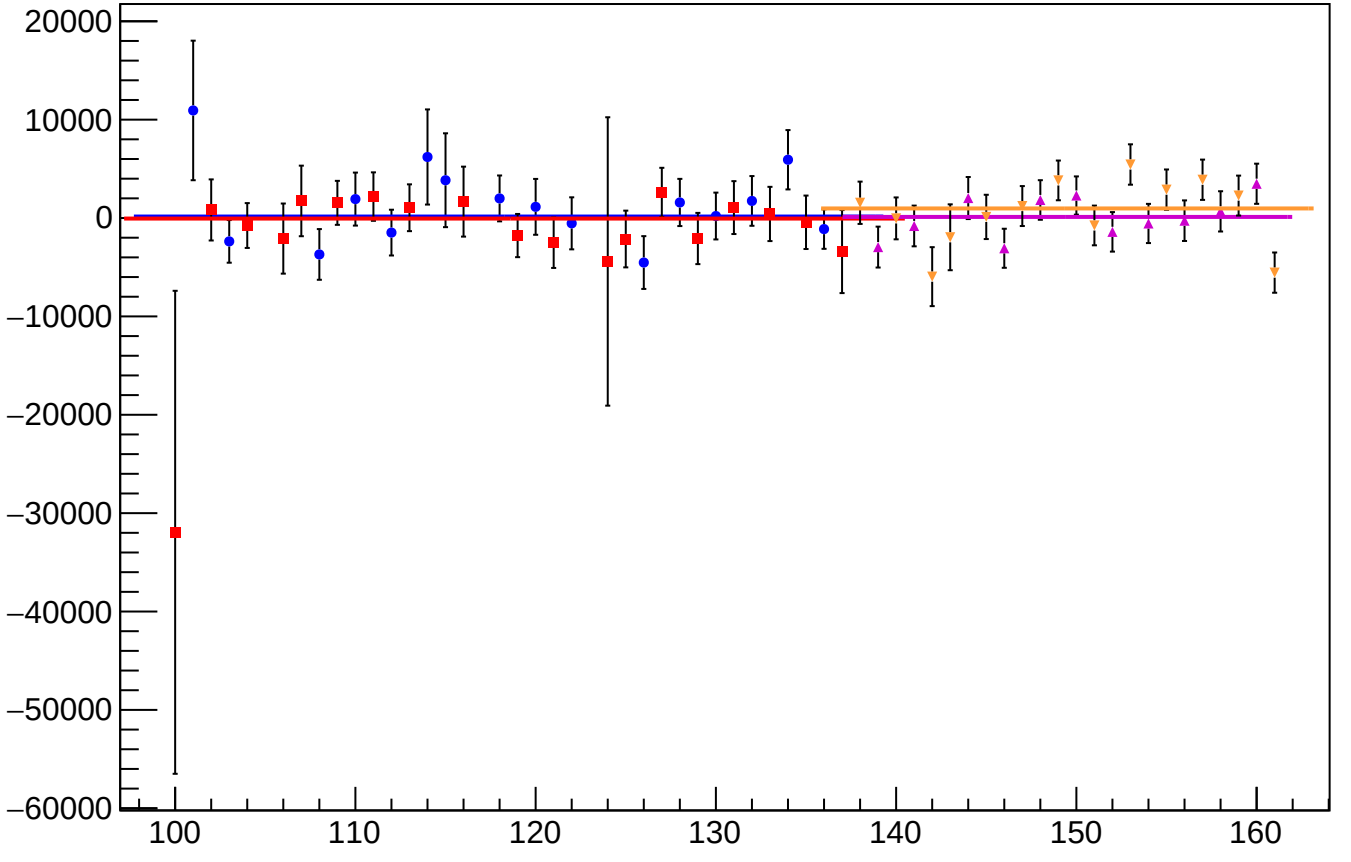
+ sign -0.000+/-0.000 χ^2/NDF: 23.3/28

All: 0.000+/-0.000 χ^2/NDF: 70.2/58

- sign 0.000+/-0.000 χ^2/NDF: 43.4/29


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
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:7041225.6/12
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:1012888.8/10
+ sign 0.000+/-0.000 χ²/NDF: 11087958.2/28
All: 0.000+/-0.000 χ²/NDF: 18975200.7/58
- sign 0.000+/-0.000 χ²/NDF: 6201373.9/29

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 974.029+/-601.587 χ^2/NDF:27.5/12

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

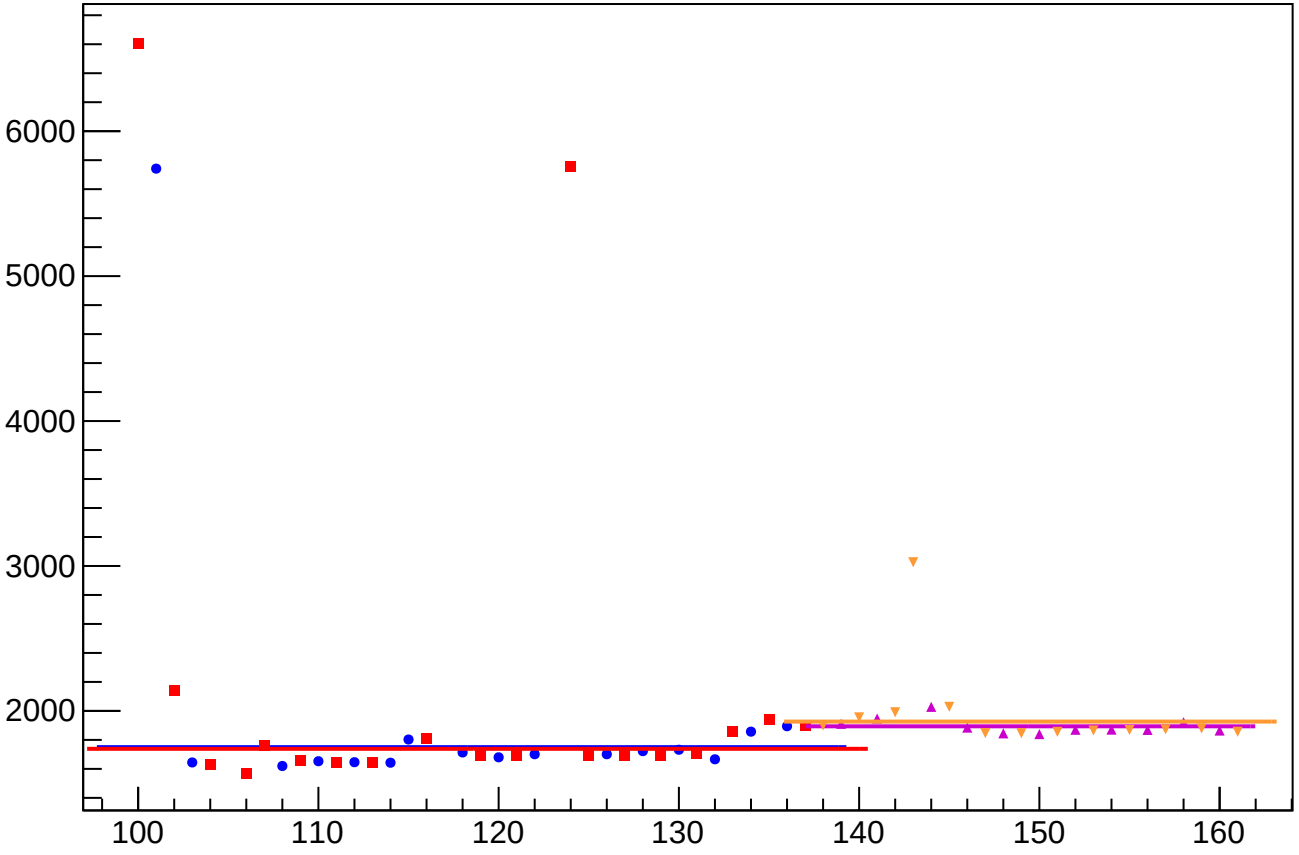
Left In: 112.058+/-612.730 χ^2/NDF:11.3/10

+ sign 604.733+/-446.736 χ^2/NDF: 46.0/28

All: 320.156+/-316.177 χ^2/NDF: 67.1/58

- sign 34.544+/-447.548 χ^2/NDF: 20.3/29

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1926.367+/-0.425 χ^2/NDF:238102.8/12

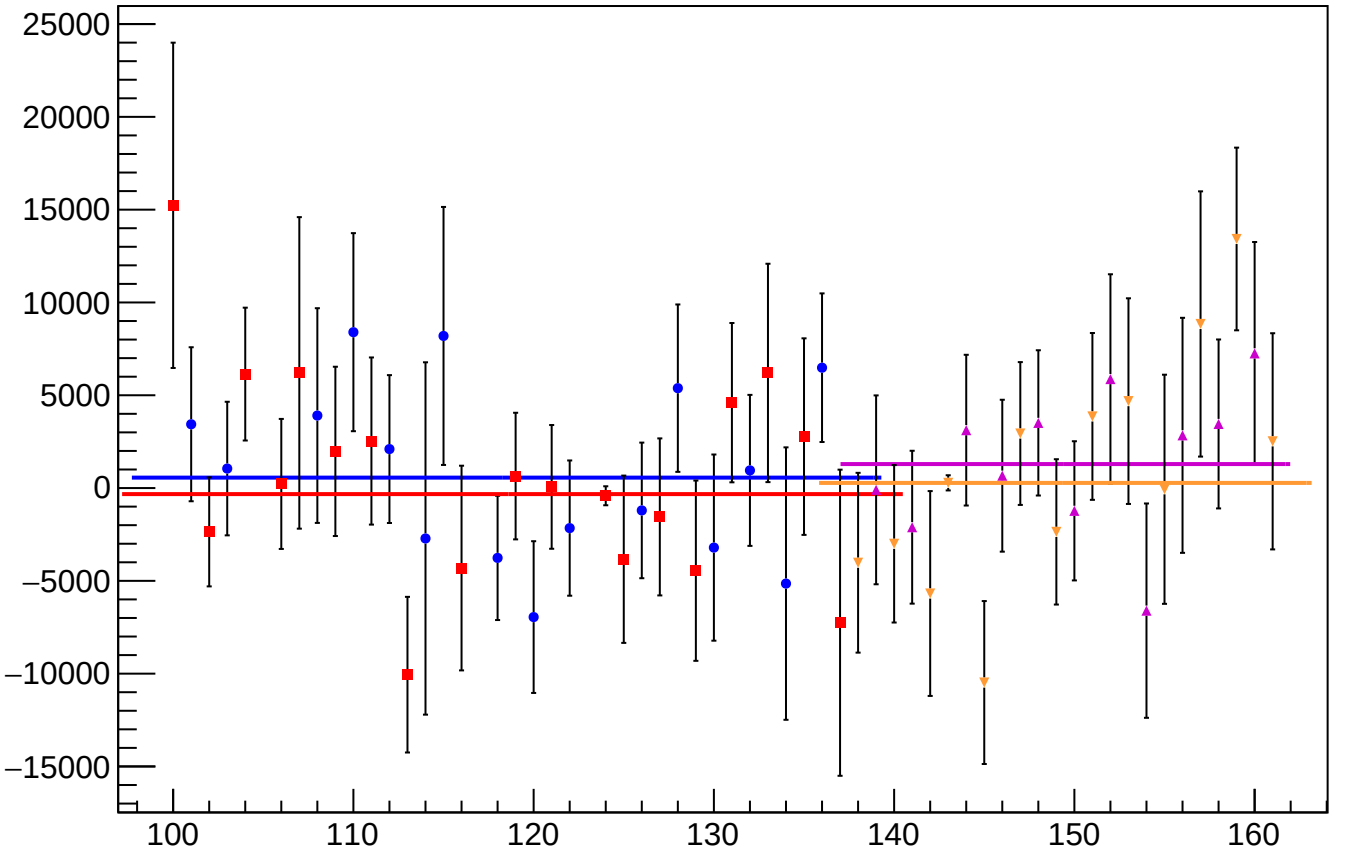
Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1893.718+/-0.433 χ^2/NDF:13719.5/10

+ sign 1847.196+/-0.316 χ^2/NDF: 984901.6/28

All: 1833.946+/-0.223 χ^2/NDF: 1366975.0/58

- sign 1820.738+/-0.315 χ^2/NDF: 378559.9/29



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 277.197+/-392.548 χ^2/NDF:19.5/12

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

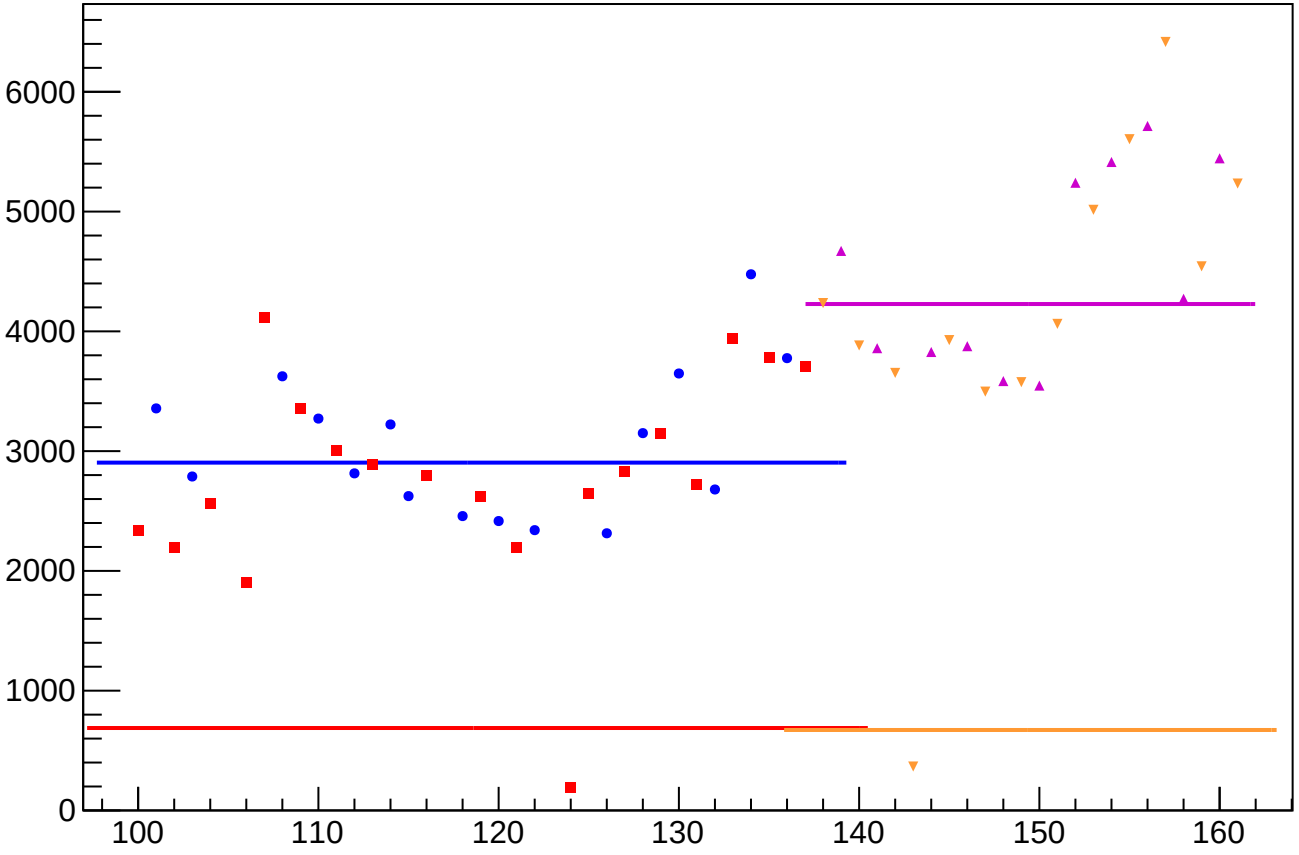
Left In: 1292.788+/-1391.170 χ^2/NDF:5.6/10

+ sign 309.348+/-369.756 χ^2/NDF: 34.3/28

All: 109.388+/-281.726 χ^2/NDF: 61.0/58

- sign -167.345+/-434.986 χ^2/NDF: 26.0/29

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 671.862+/-0.278 χ^2/NDF:14603610.3/12

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

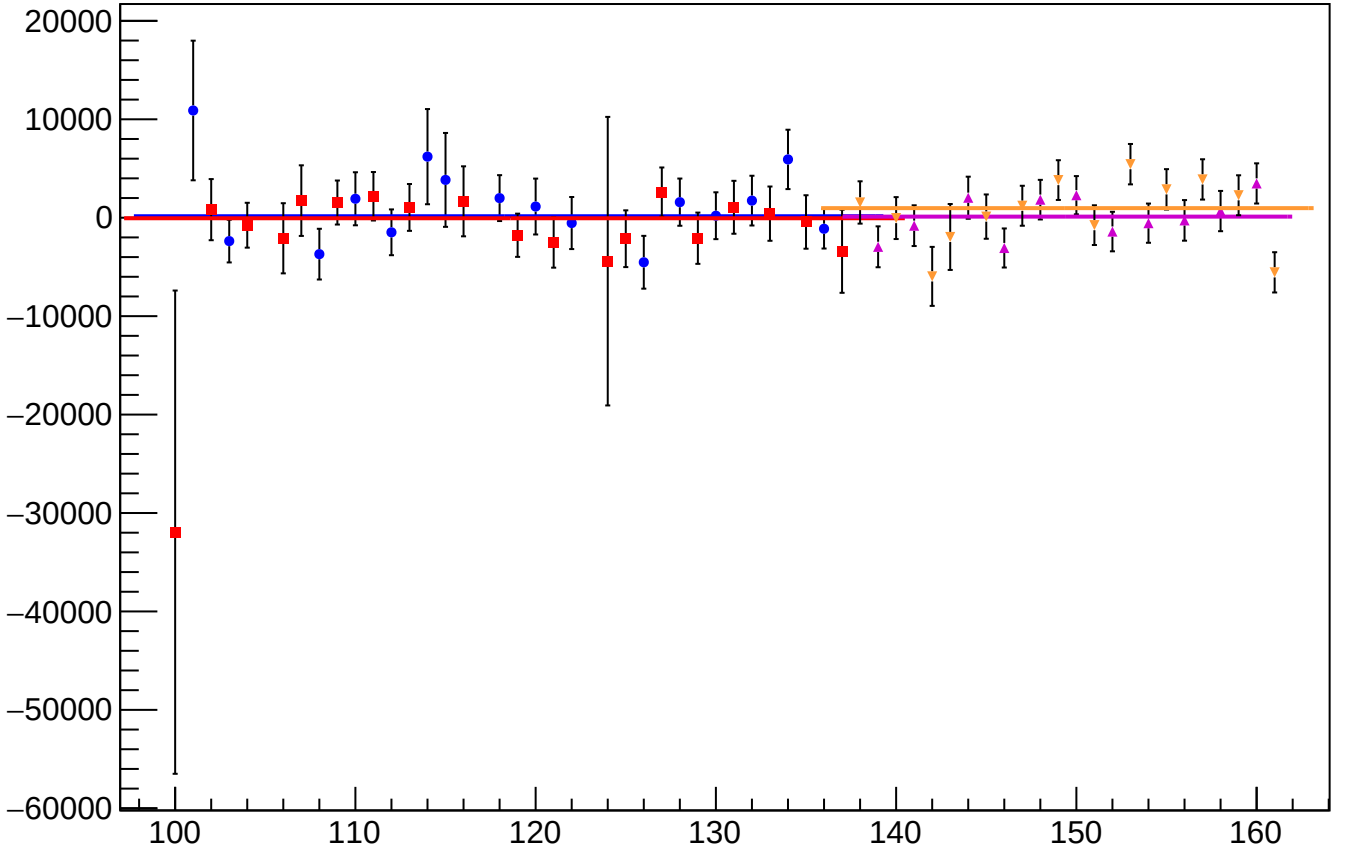
Left In: 4228.172+/-0.984 χ^2/NDF:526737.6/10

\+ sign 923.548+/-0.261 χ^2/NDF: 22375221.3/28

All: 970.047+/-0.199 χ^2/NDF: 44809398.5/58

\- sign 1034.399+/-0.308 χ^2/NDF: 22358776.3/29

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 973.983+/-601.587 χ^2/NDF:27.5/12

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

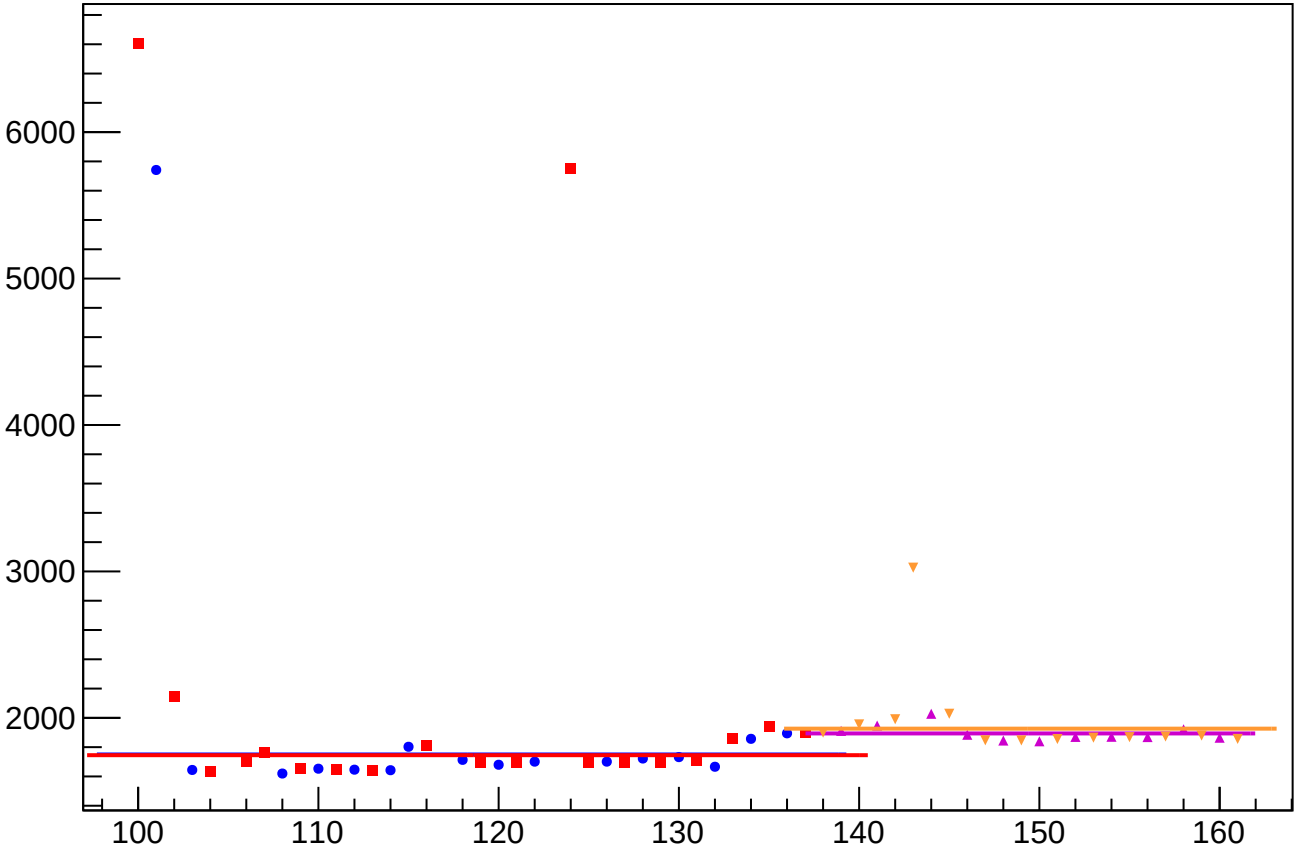
Left In: 112.098+/-612.730 χ^2/NDF:11.3/10

+ sign 604.498+/-446.736 χ^2/NDF: 46.0/28

All: 320.037+/-316.177 χ^2/NDF: 67.1/58

- sign 34.541+/-447.548 χ^2/NDF: 20.3/29

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1926.367+/-0.425 χ^2/NDF:238102.8/12

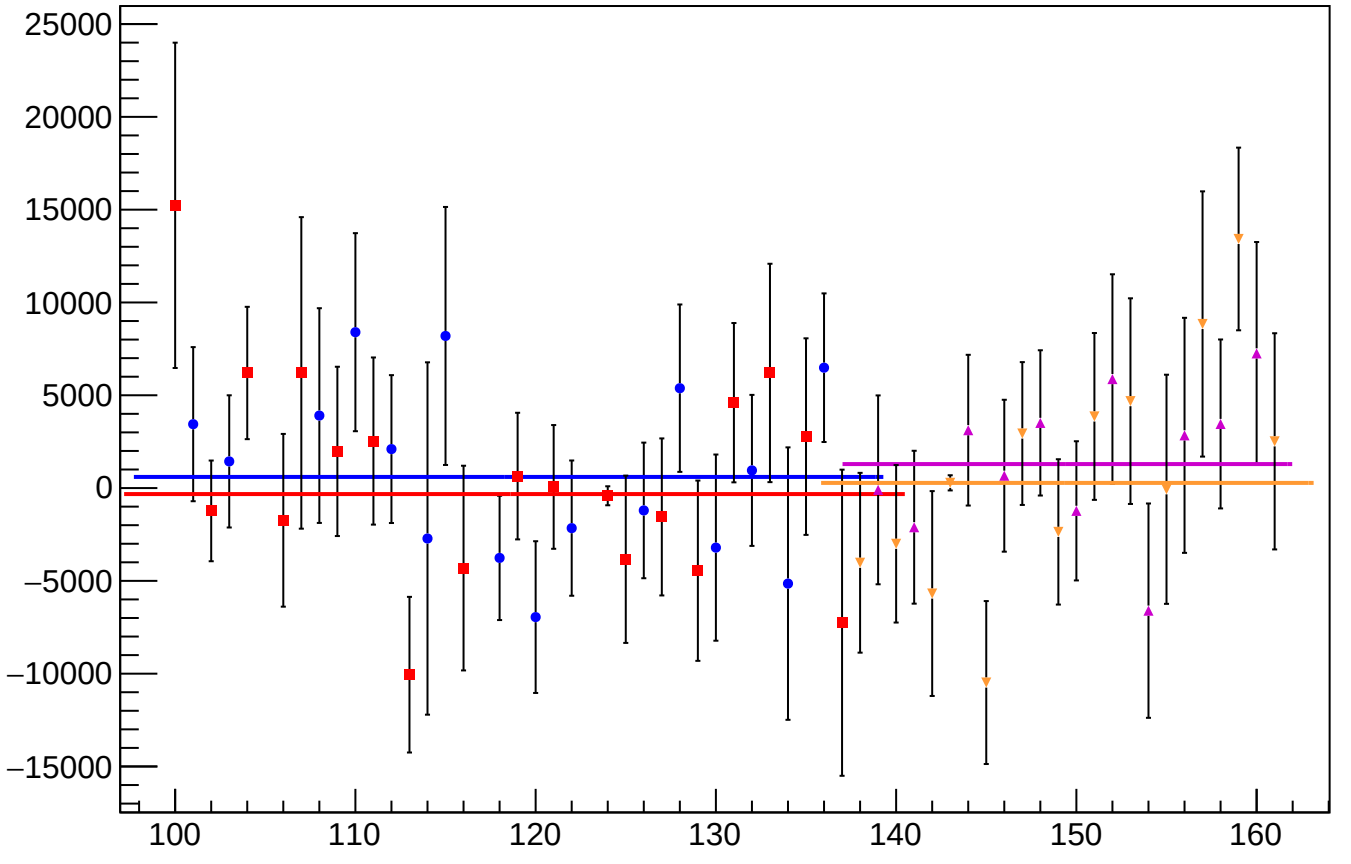
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1893.718+/-0.433 χ^2/NDF:13719.5/10

+ sign 1847.196+/-0.316 χ^2/NDF: 984902.1/28

All: 1835.675+/-0.223 χ^2/NDF: 1354303.0/58

- sign 1824.153+/-0.316 χ^2/NDF: 366740.5/29



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 278.164+/-392.580 χ^2/NDF:19.5/12

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

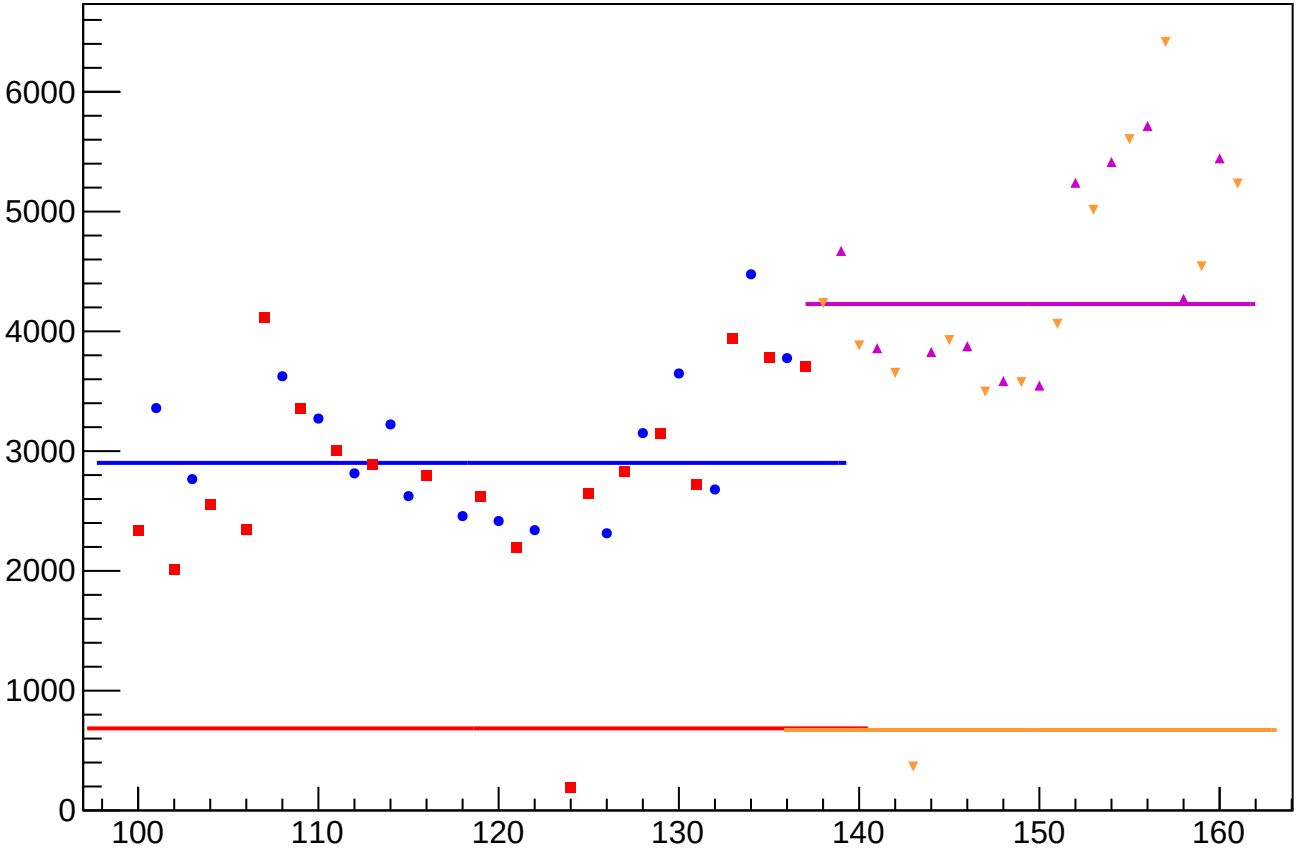
Left In: 1292.900+/-1391.167 χ^2/NDF:5.6/10

+ sign 314.540+/-369.744 χ^2/NDF: 34.4/28

All: 113.984+/-281.933 χ^2/NDF: 60.9/58

- sign -164.597+/-435.770 χ^2/NDF: 25.8/29

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 671.949+/-0.278 χ^2/NDF:14603114.5/12

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

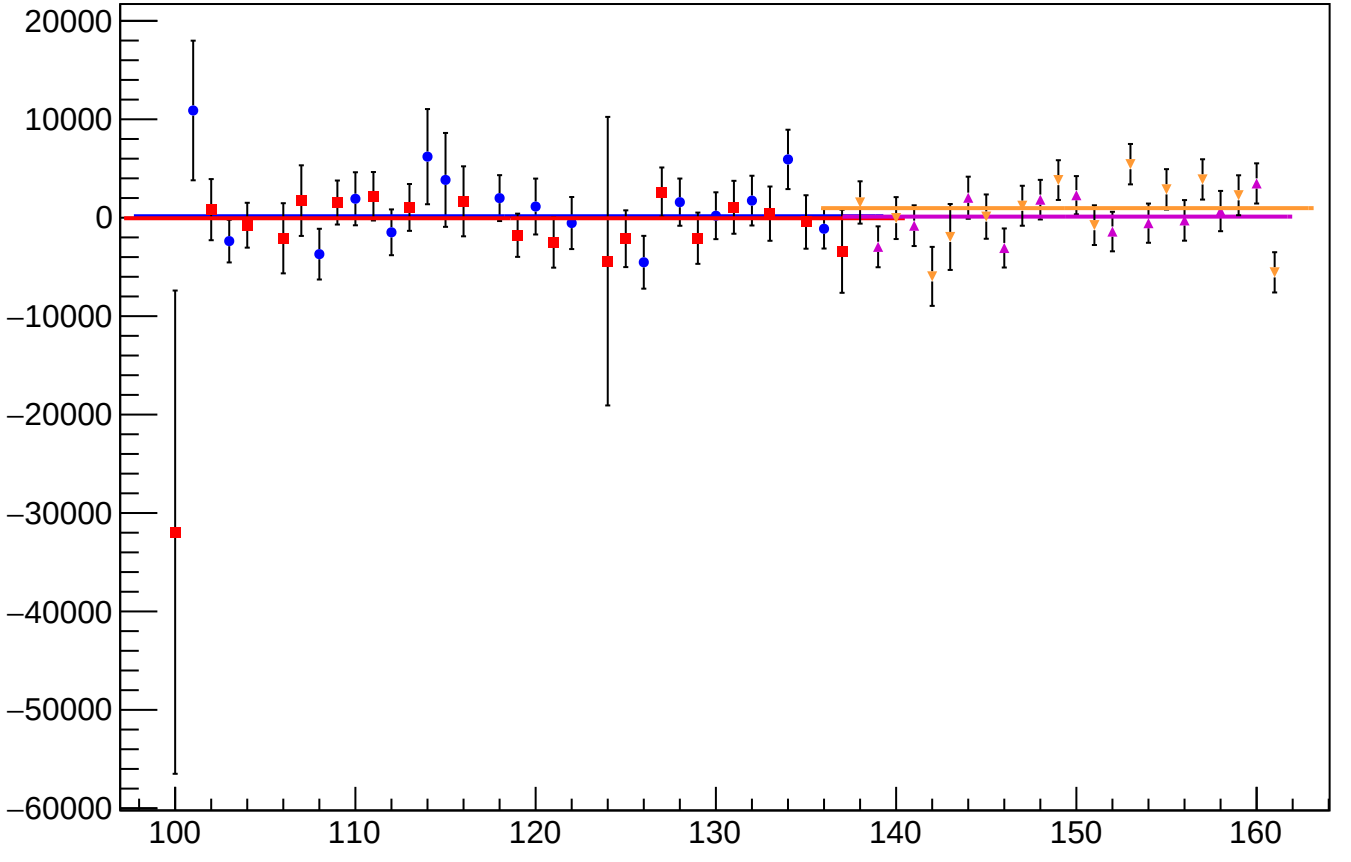
Left In: 4228.163+/-0.984 χ^2/NDF:526748.5/10

\+ sign 923.836+/-0.261 χ^2/NDF: 22373003.3/28

All: 969.481+/-0.199 χ^2/NDF: 44777125.8/58

\- sign 1032.885+/-0.308 χ^2/NDF: 22331302.4/29

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 973.983+/-601.587 χ^2/NDF:27.5/12

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

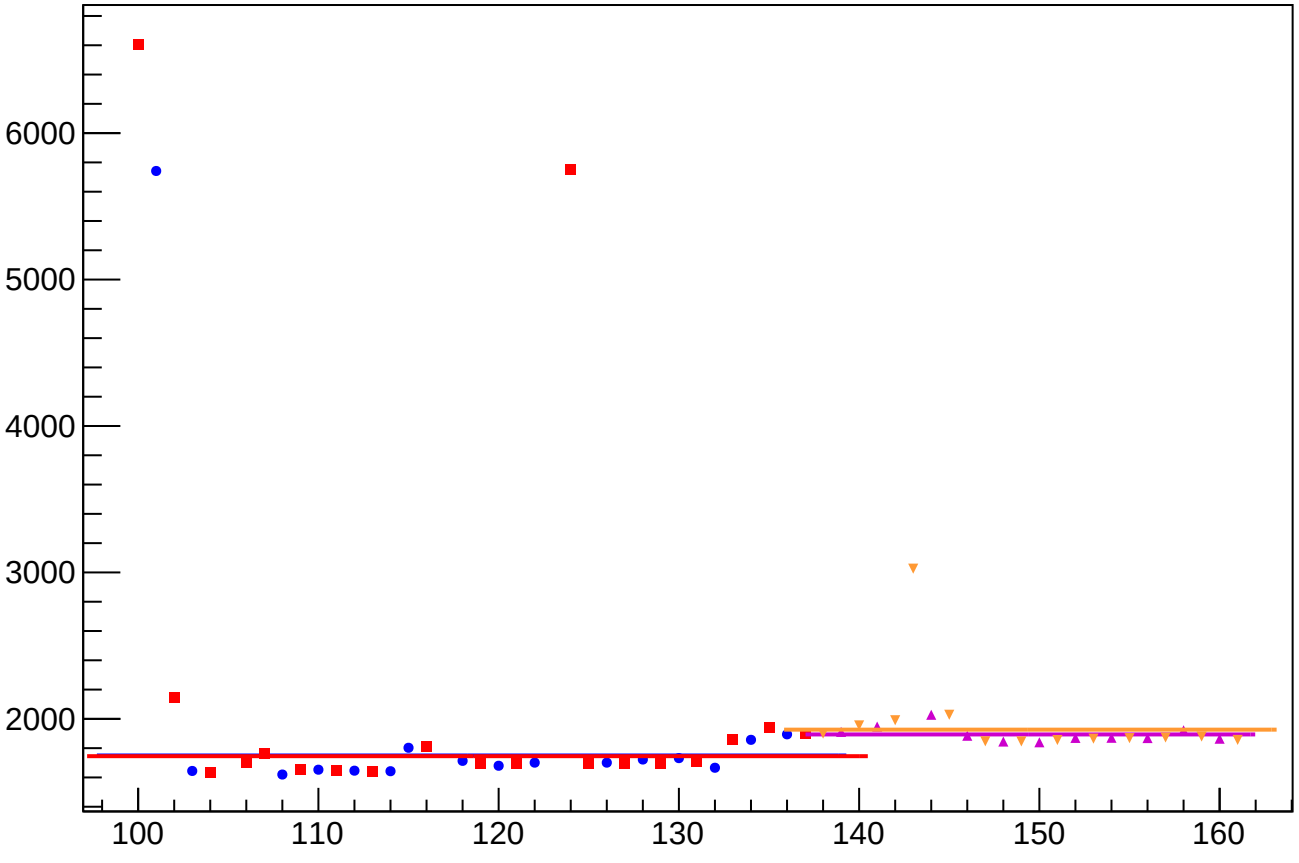
Left In: 112.098+/-612.730 χ^2/NDF:11.3/10

+ sign 604.498+/-446.736 χ^2/NDF: 46.0/28

All: 320.037+/-316.177 χ^2/NDF: 67.1/58

- sign 34.541+/-447.548 χ^2/NDF: 20.3/29

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1926.367+/-0.425 χ^2/NDF:238102.8/12

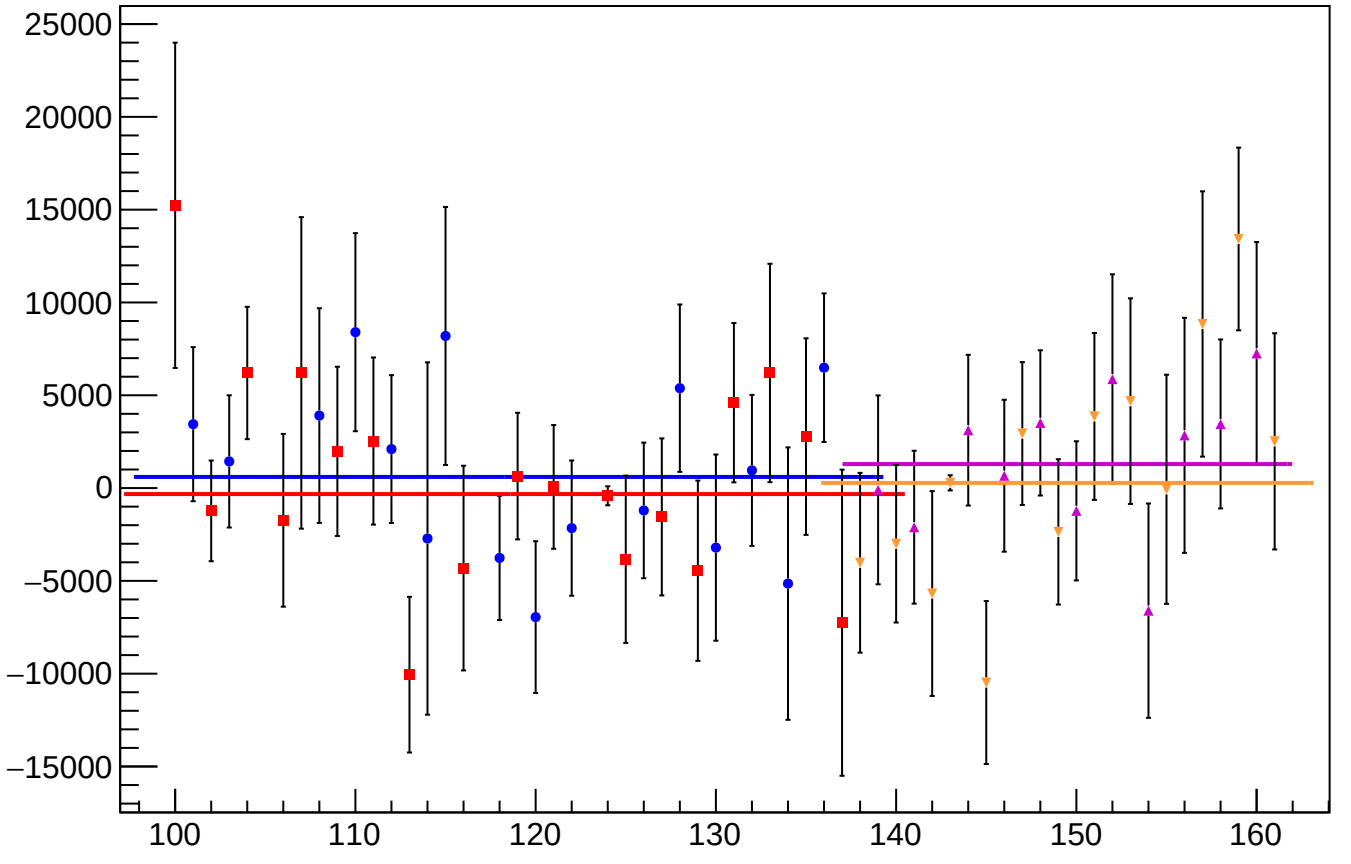
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1893.718+/-0.433 χ^2/NDF:13719.5/10

+ sign 1847.196+/-0.316 χ^2/NDF: 984902.1/28

All: 1835.675+/-0.223 χ^2/NDF: 1354303.0/58

- sign 1824.153+/-0.316 χ^2/NDF: 366740.5/29



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 278.164+/-392.580 χ^2/NDF:19.5/12

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

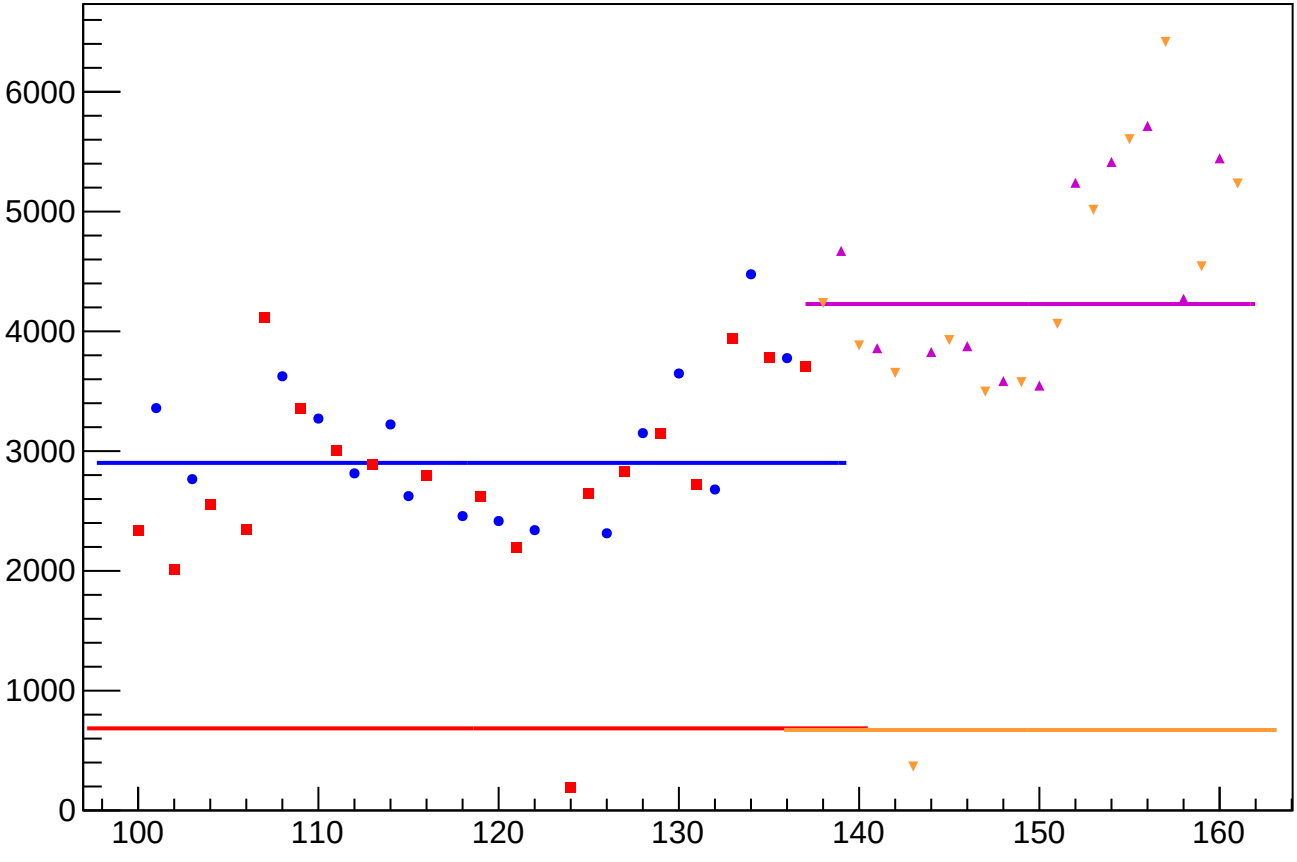
Left In: 1292.900+/-1391.167 χ^2/NDF:5.6/10

+ sign 314.540+/-369.744 χ^2/NDF: 34.4/28

All: 113.984+/-281.933 χ^2/NDF: 60.9/58

- sign -164.597+/-435.770 χ^2/NDF: 25.8/29

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 671.949+/-0.278 χ^2/NDF:14603114.5/12

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

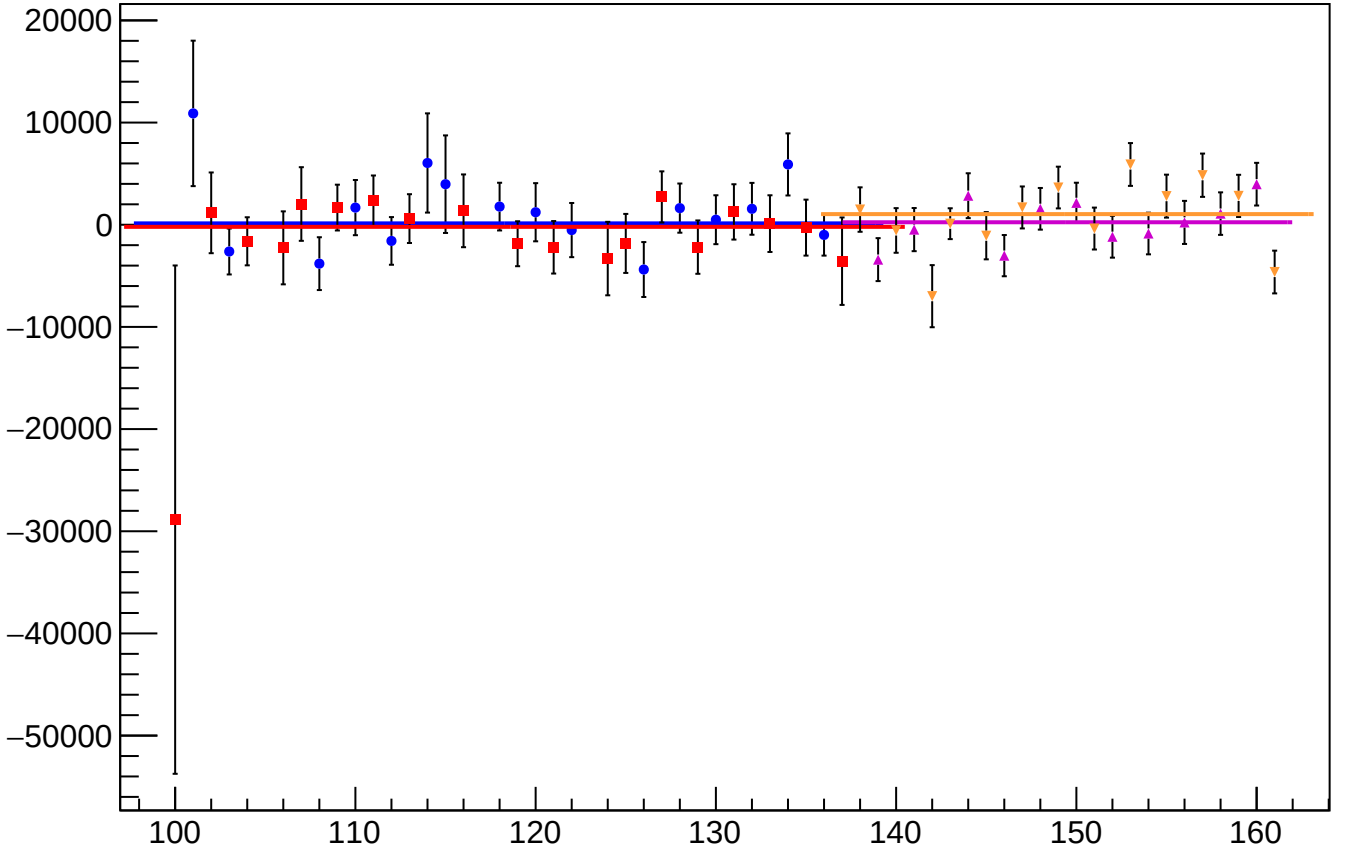
Left In: 4228.163+/-0.984 χ^2/NDF:526748.5/10

+ sign 923.836+/-0.261 χ^2/NDF: 22373003.3/28

All: 969.481+/-0.199 χ^2/NDF: 44777125.8/58

- sign 1032.885+/-0.308 χ^2/NDF: 22331302.4/29

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1040.752+/-576.425 χ^2/NDF:28.4/12

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

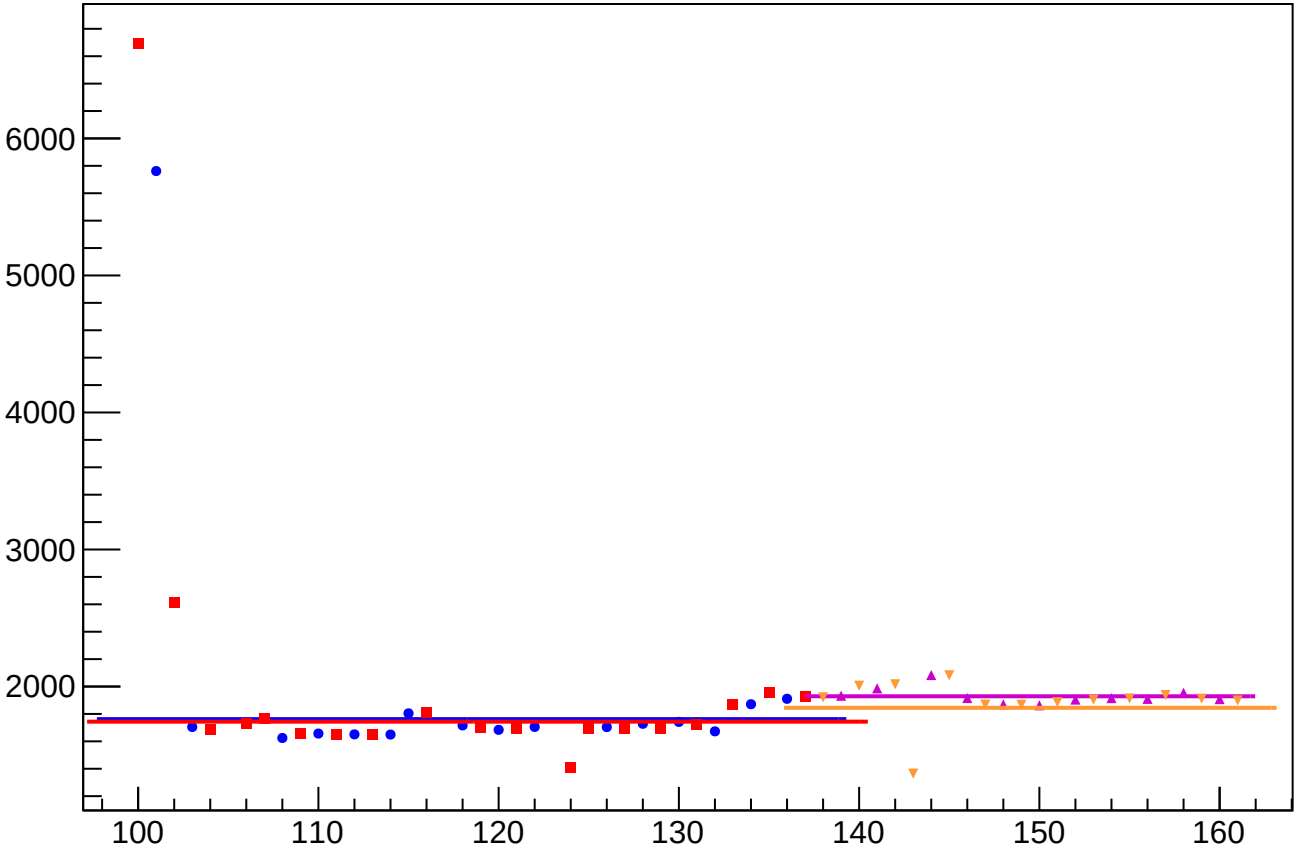
Left In: 243.059+/-624.159 χ^2/NDF:12.6/10

+ sign 656.070+/-437.413 χ^2/NDF: 46.7/28

All: 352.801+/-314.219 χ^2/NDF: 70.3/58

- sign 29.434+/-451.674 χ^2/NDF: 22.6/29

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1844.845+/-0.408 χ^2/NDF:255576.9/12

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

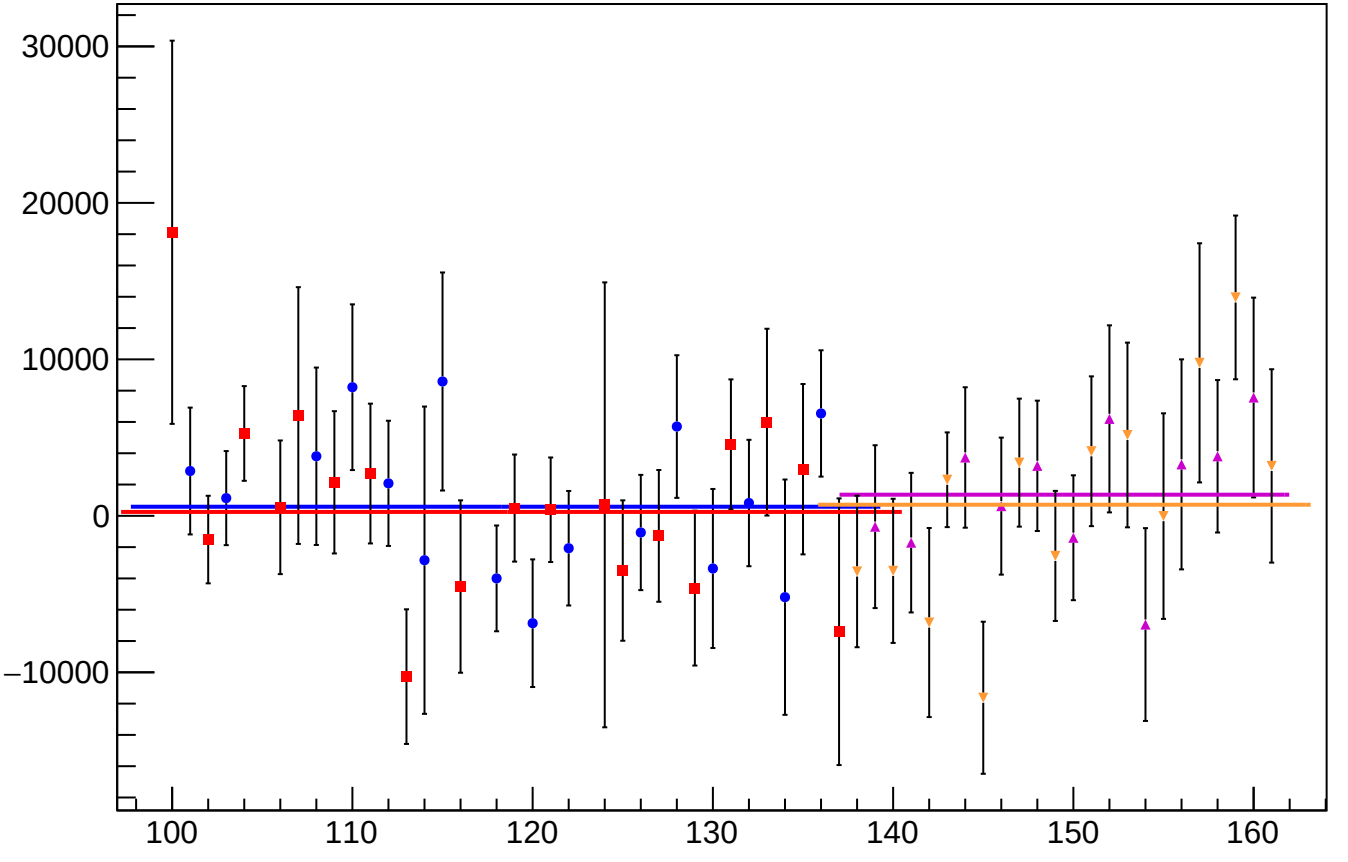
Left In: 1928.837+/-0.441 χ^2/NDF:16479.0/10

+ sign 1809.727+/-0.309 χ^2/NDF: 940774.8/28

All: 1824.591+/-0.222 χ^2/NDF: 1273829.4/58

- sign 1840.396+/-0.319 χ^2/NDF: 328289.6/29

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 710.421+/-1334.223 χ^2/NDF:20.0/12

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

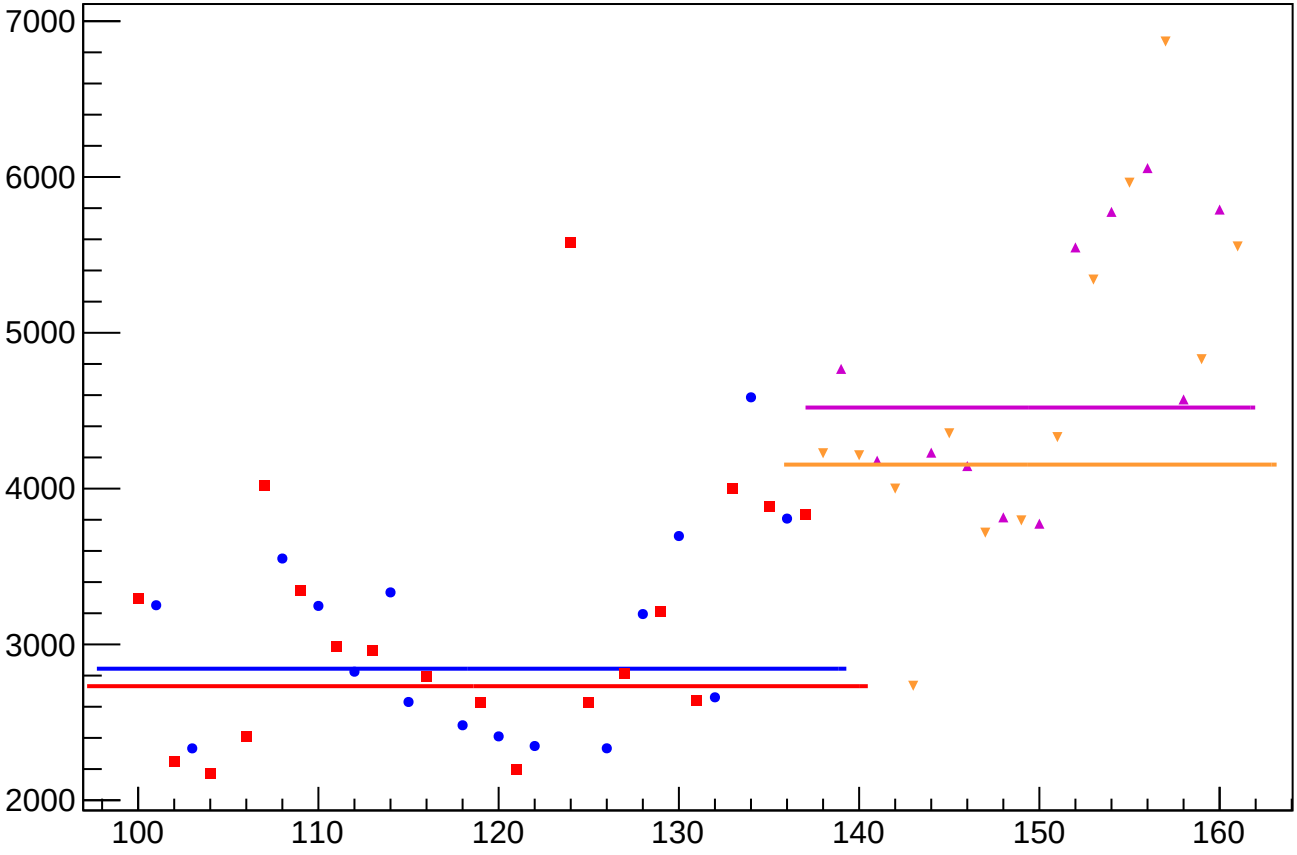
Left In: 1351.038+/-1486.246 χ^2/NDF:5.4/10

+ sign 633.055+/-840.146 χ^2/NDF: 34.9/28

All: 618.137+/-594.573 χ^2/NDF: 58.5/58

- sign 603.169+/-841.564 χ^2/NDF: 23.7/29

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4154.130+/-0.943 χ^2/NDF:1107083.9/12

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

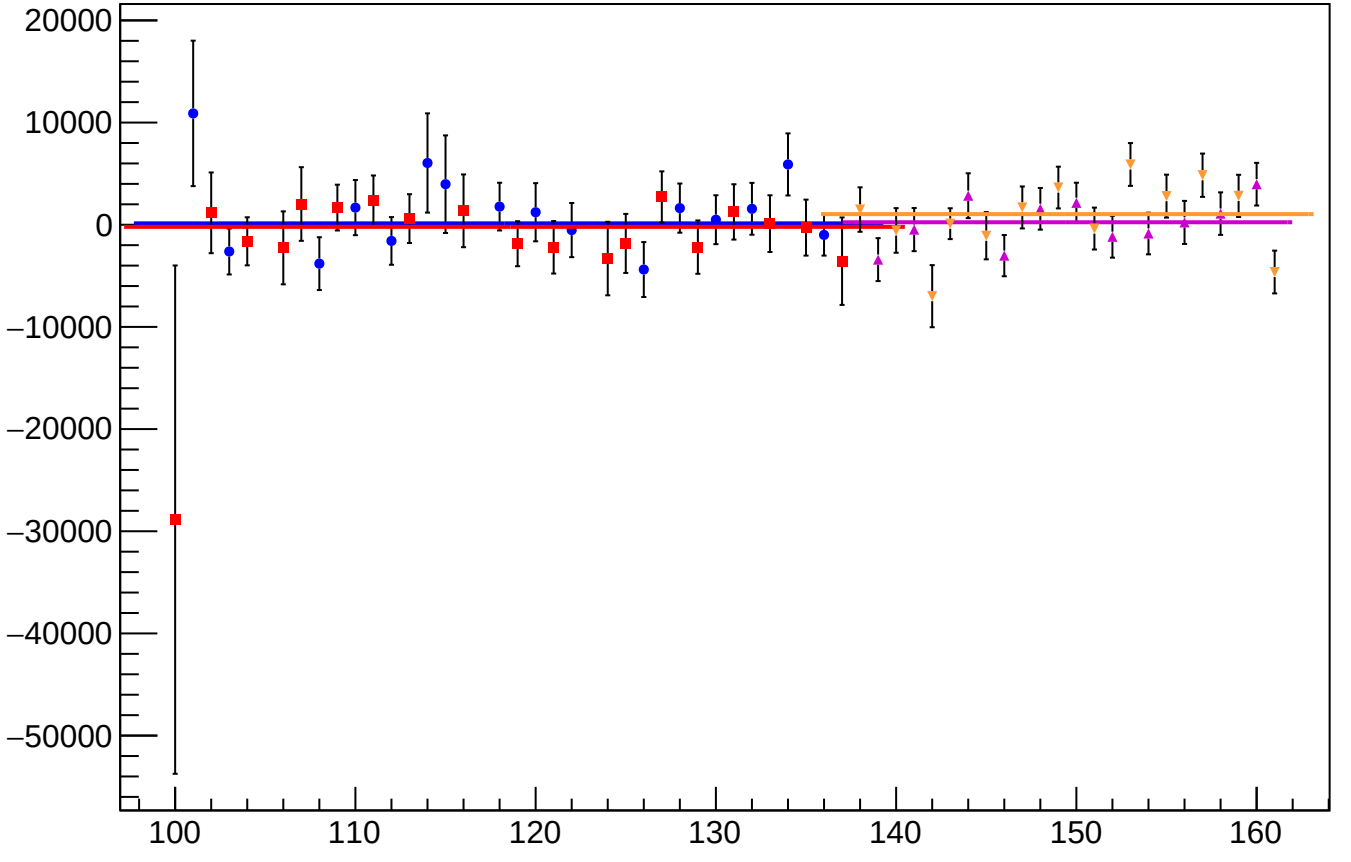
Left In: 4520.320+/-1.051 χ^2/NDF:492946.0/10

\+ sign 3363.569+/-0.594 χ^2/NDF: 2812630.7/28

All: 3334.513+/-0.420 χ^2/NDF: 5888905.7/58

\- sign 3305.359+/-0.595 χ^2/NDF: 3071482.5/29

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1040.753+/-576.426 χ^2/NDF:28.4/12

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

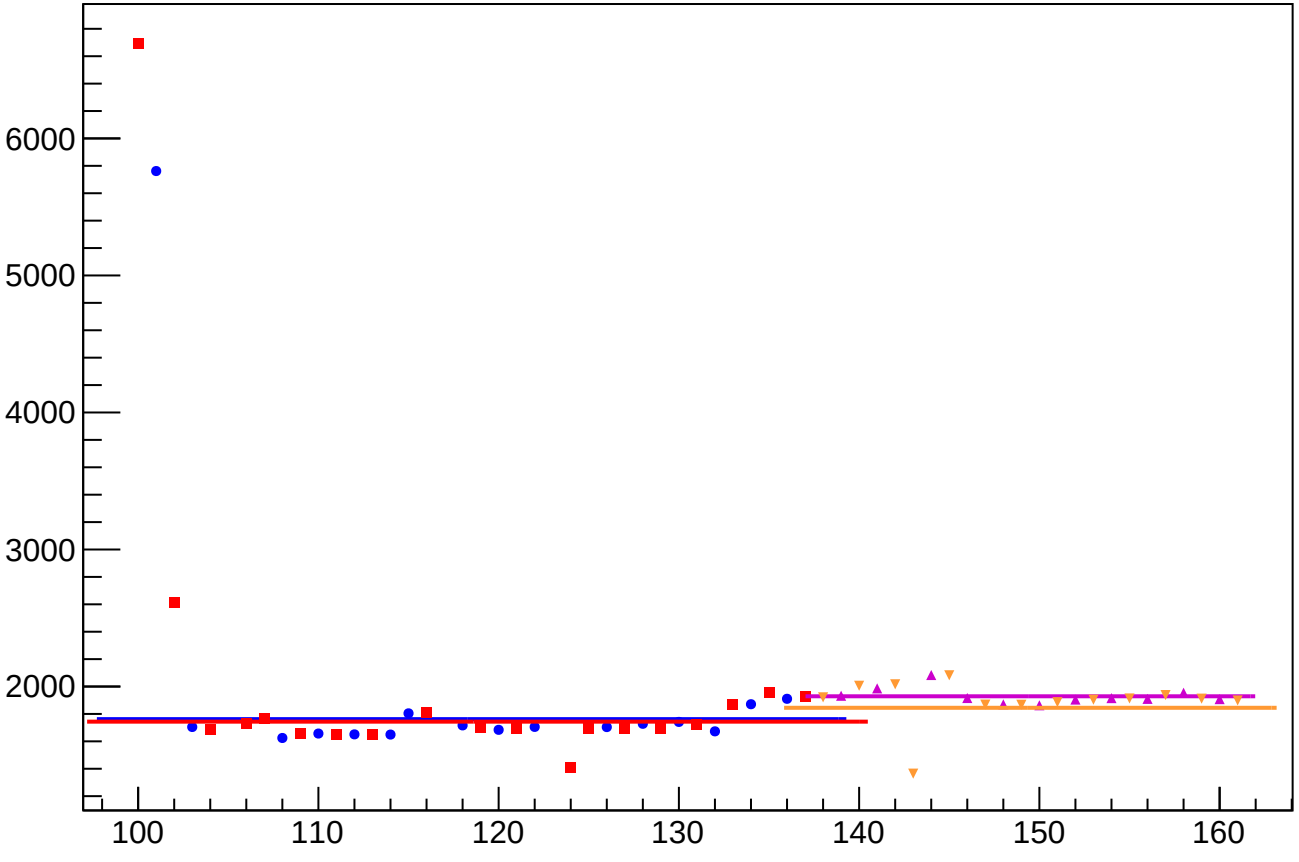
Left In: 243.062+/-624.160 χ^2/NDF:12.6/10

+ sign 656.070+/-437.413 χ^2/NDF: 46.7/28

All: 352.802+/-314.219 χ^2/NDF: 70.3/58

- sign 29.436+/-451.674 χ^2/NDF: 22.6/29

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1844.846+/-0.408 χ^2/NDF:255578.1/12

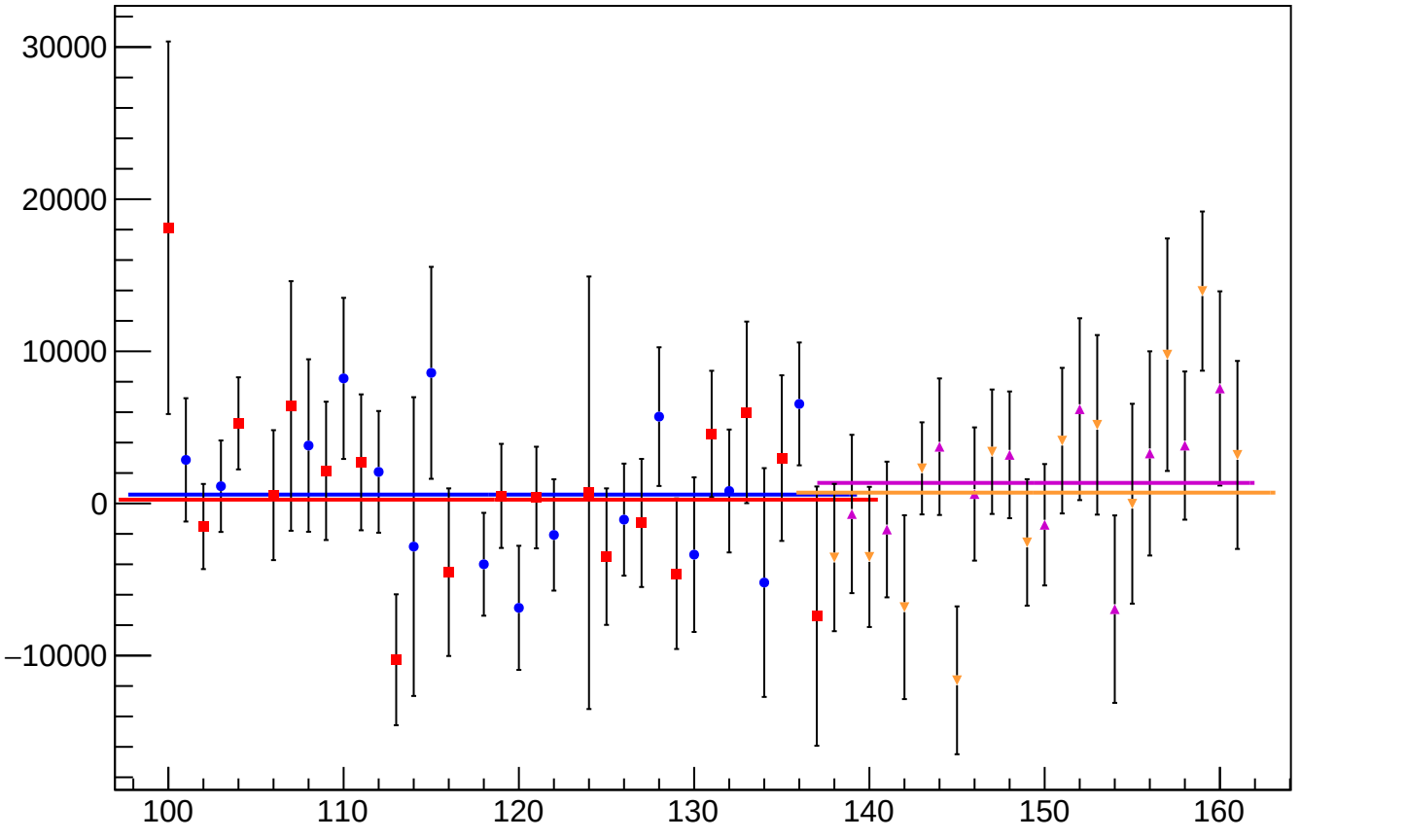
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1928.838+/-0.441 χ^2/NDF:16479.2/10

+ sign 1809.728+/-0.309 χ^2/NDF: 940776.4/28

All: 1824.591+/-0.222 χ^2/NDF: 1273832.2/58

- sign 1840.396+/-0.319 χ^2/NDF: 328290.8/29



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 710.425+/-1334.225 χ^2/NDF:20.0/12

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

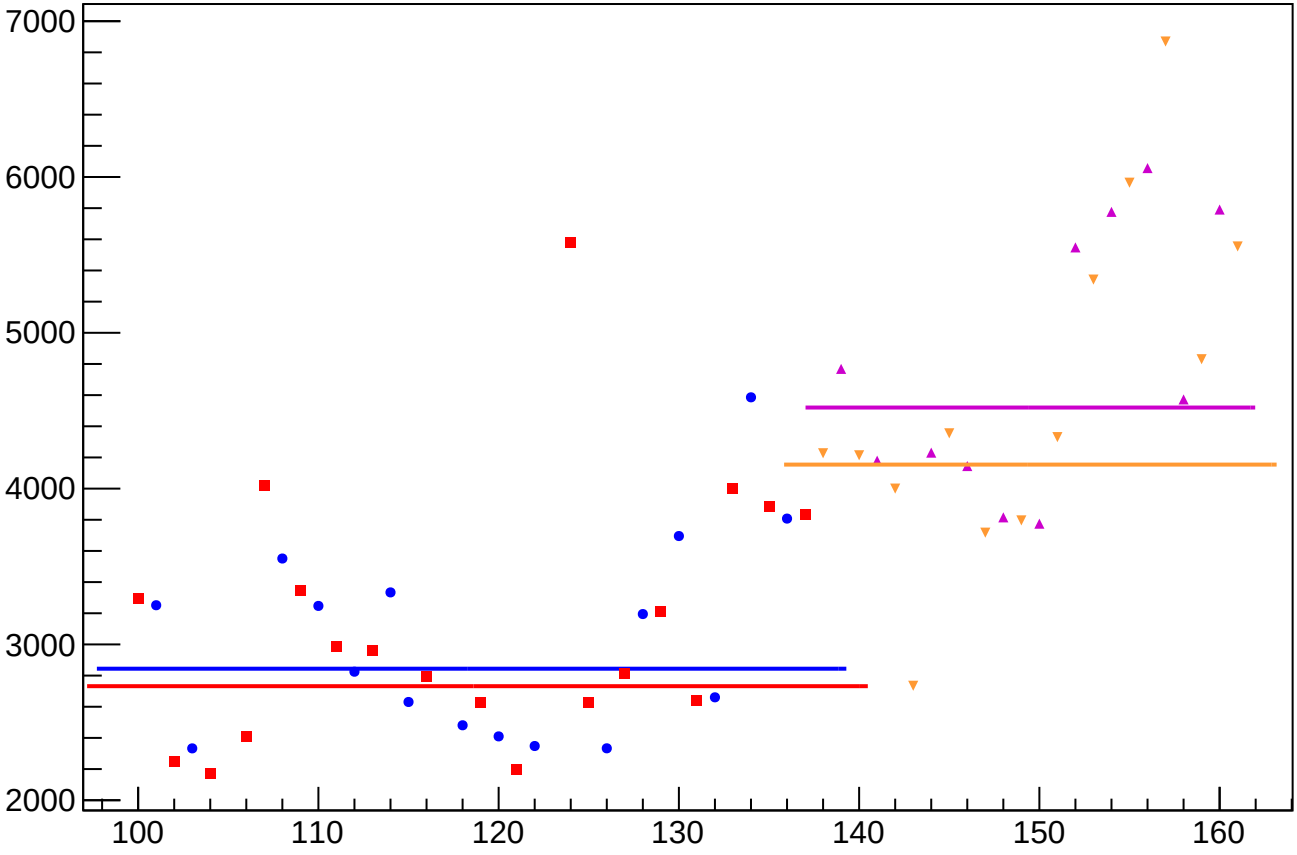
Left In: 1351.040+/-1486.248 χ^2/NDF:5.4/10

+ sign 633.053+/-840.145 χ^2/NDF: 34.9/28

All: 618.136+/-594.573 χ^2/NDF: 58.5/58

- sign 603.168+/-841.563 χ^2/NDF: 23.7/29

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4154.134+/-0.943 χ^2/NDF:1107089.1/12

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

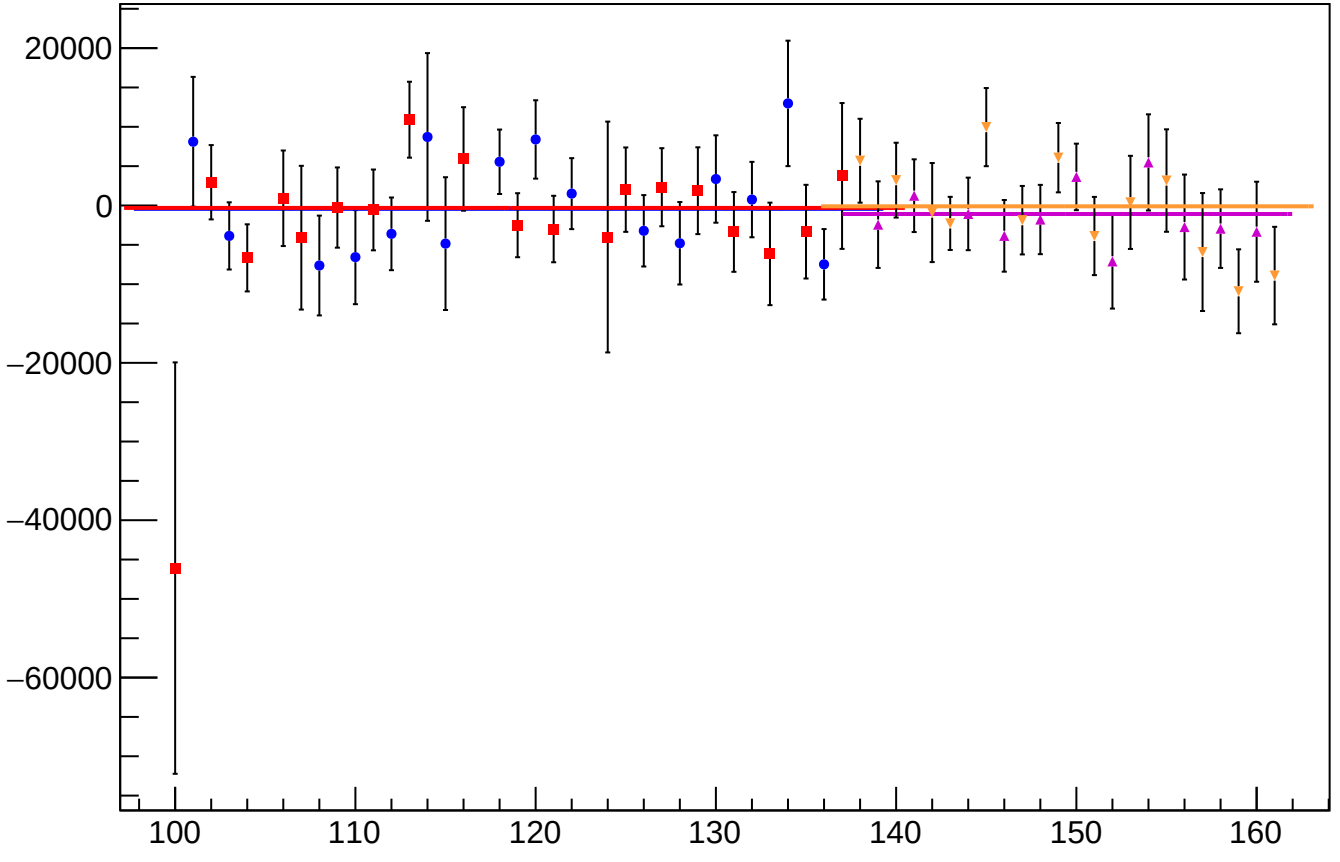
Left In: 4520.326+/-1.051 χ^2/NDF:492948.5/10

+ sign 3363.564+/-0.594 χ^2/NDF: 2812661.6/28

All: 3334.508+/-0.420 χ^2/NDF: 5888960.9/58

- sign 3305.354+/-0.595 χ^2/NDF: 3071506.8/29

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: -105.529+/-1402.012 χ^2/NDF:15.9/12

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

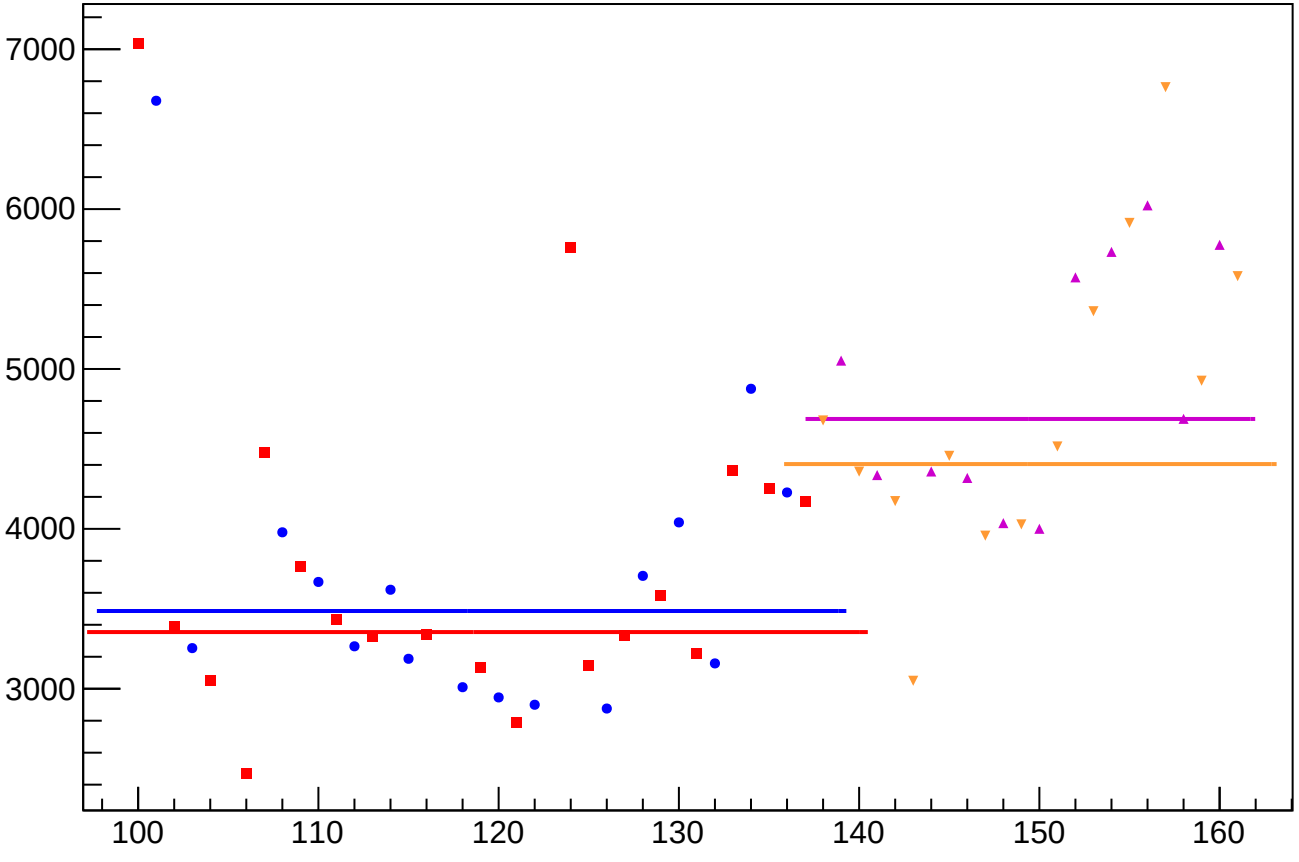
Left In: -1083.131+/-1534.791 χ^2/NDF:4.4/10

+ sign -273.023+/-963.857 χ^2/NDF: 33.8/28

All: -445.707+/-687.552 χ^2/NDF: 53.7/58

- sign -624.611+/-981.062 χ^2/NDF: 19.9/29

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4405.210+/-0.991 χ^2/NDF:816016.6/12

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

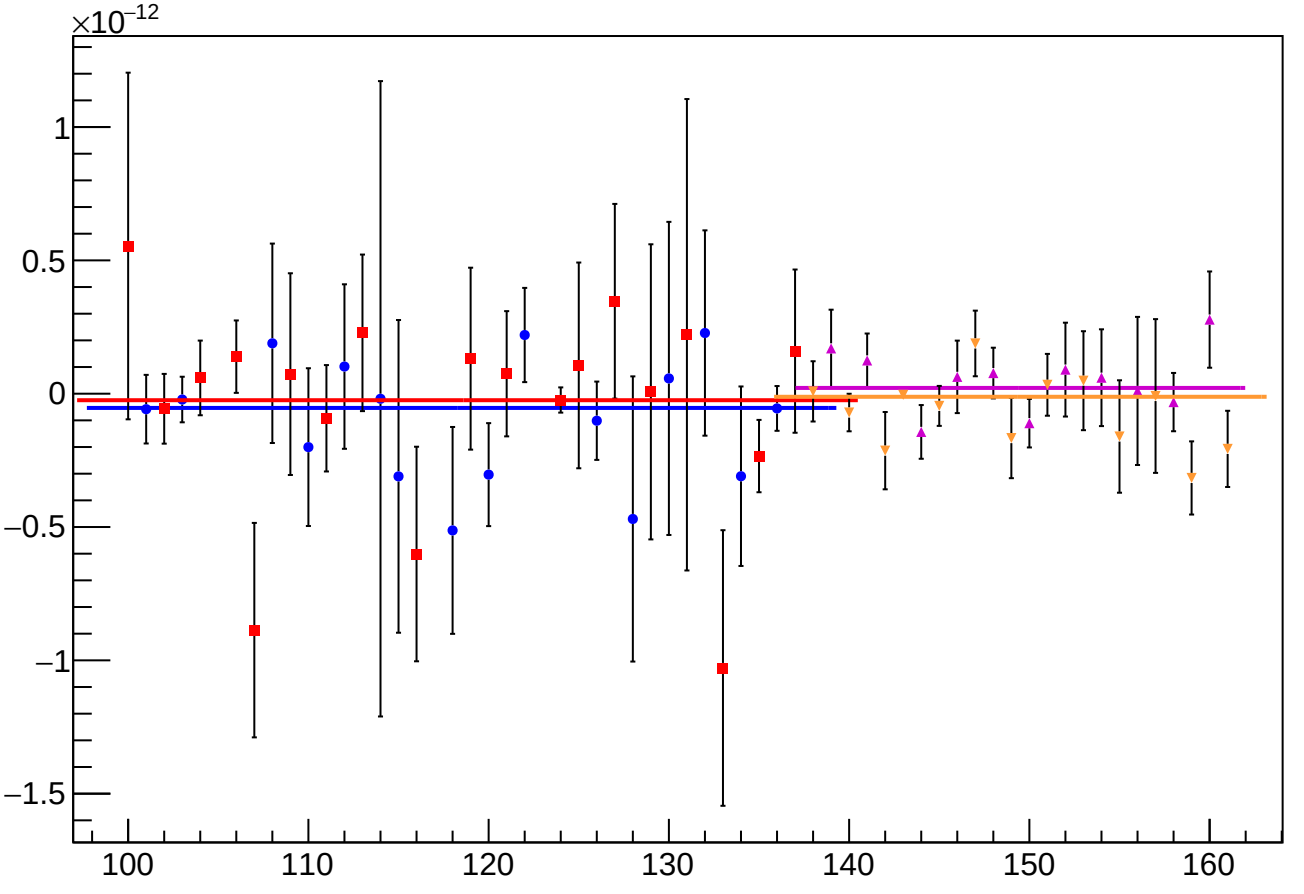
Left In: 4687.354+/-1.085 χ^2/NDF:381231.0/10

+ sign 3920.534+/-0.682 χ^2/NDF: 1865032.4/28

All: 3905.428+/-0.484 χ^2/NDF: 3526020.3/58

- sign 3890.036+/-0.688 χ^2/NDF: 1659996.1/29

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

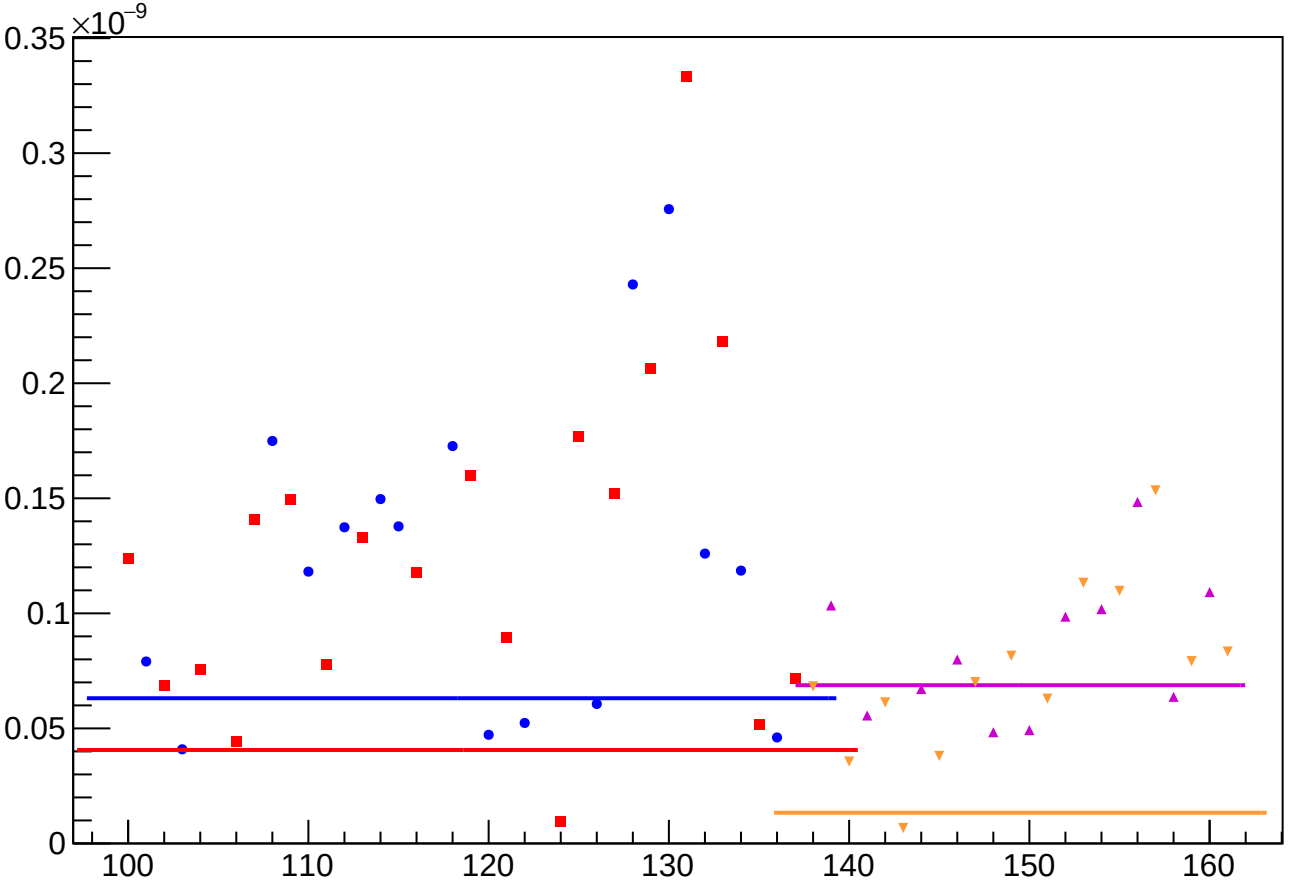
Left In: 0.000+/-0.000 χ^2/NDF:9.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 23.9/28

All: -0.000+/-0.000 χ^2/NDF: 53.0/58

- sign -0.000+/-0.000 χ^2/NDF: 28.9/29

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:5249616.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

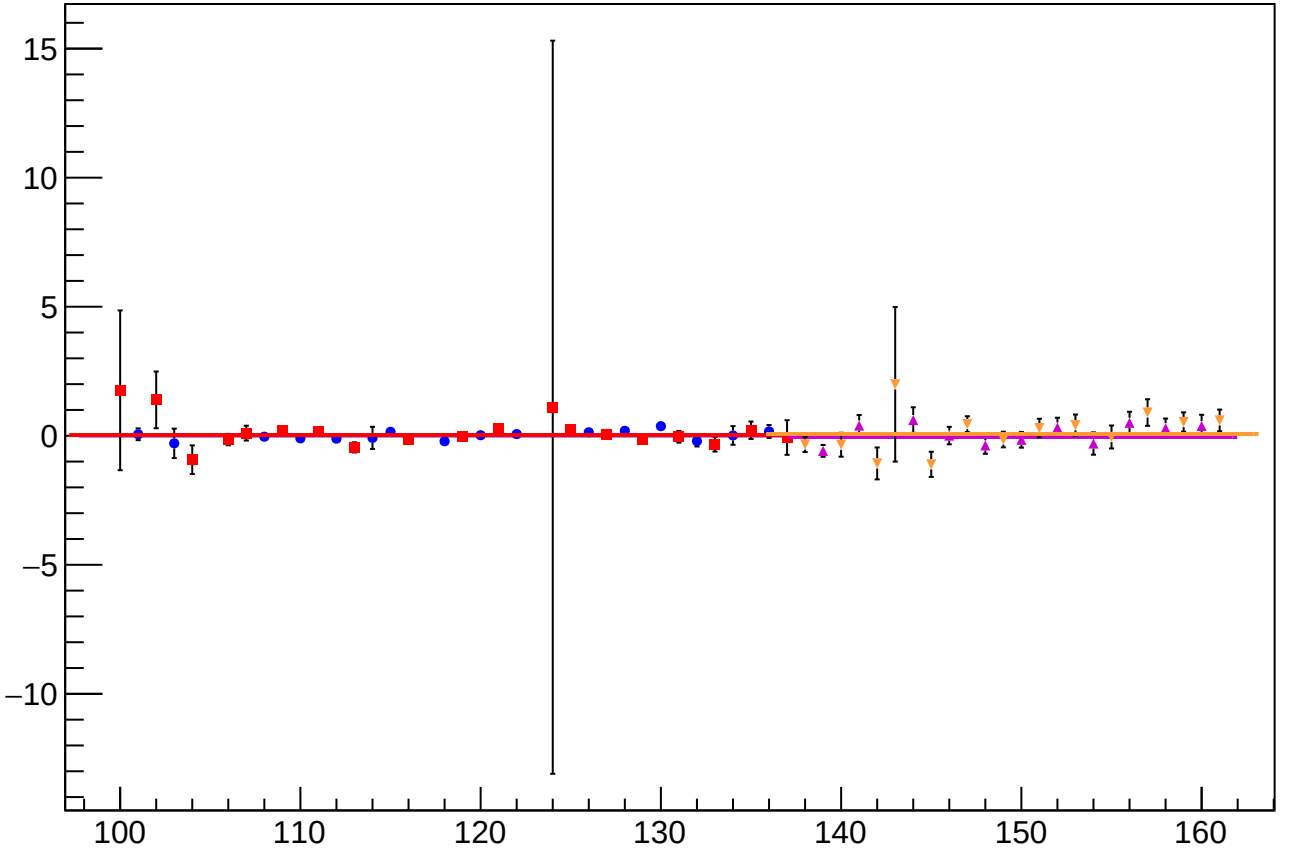
Left In: 0.000+/-0.000 χ^2/NDF:739349.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 9013916.7/28

All: 0.000+/-0.000 χ^2/NDF: 16999110.0/58

- sign 0.000+/-0.000 χ^2/NDF: 4506128.6/29

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.069+/-0.112 χ^2/NDF:21.2/12

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

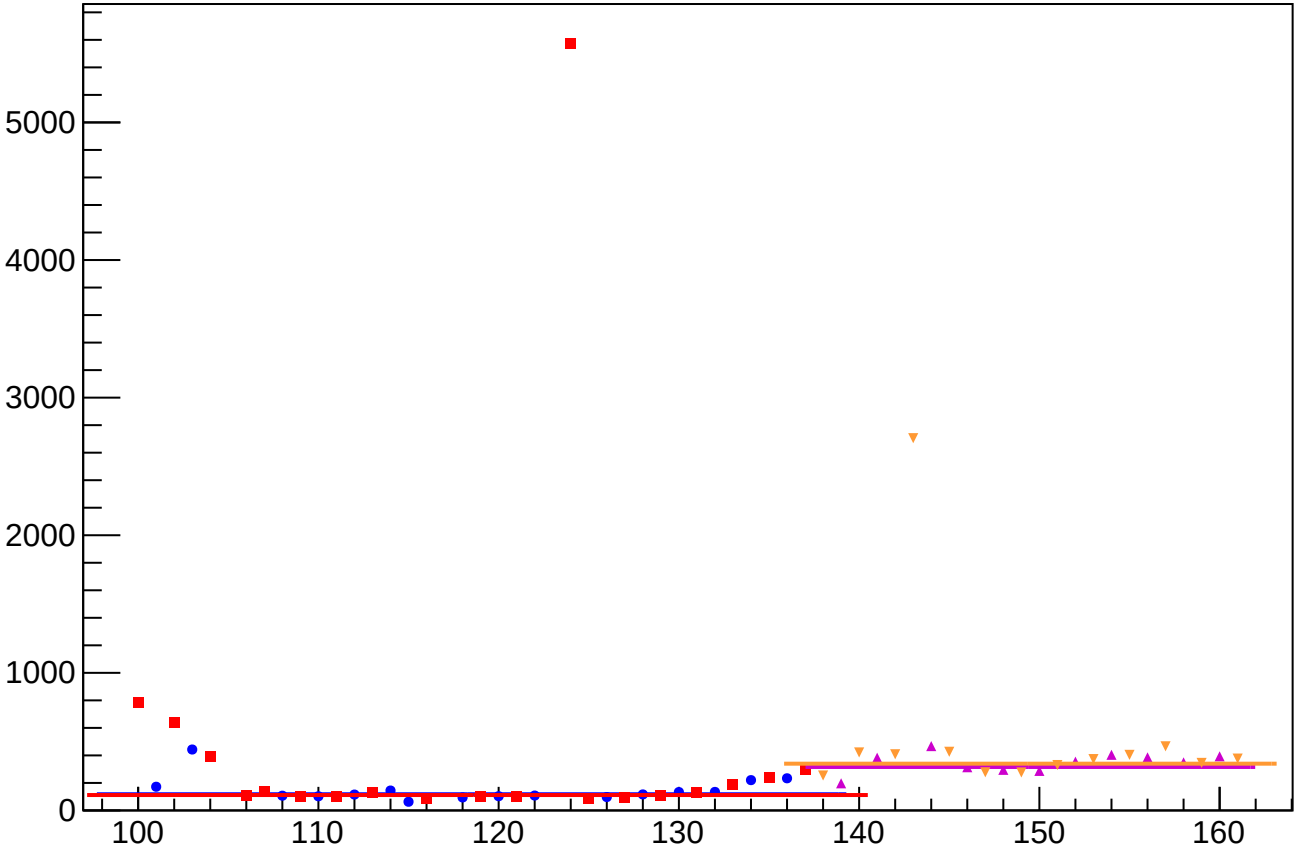
Left In: -0.047+/-0.106 χ^2/NDF:14.3/10

+ sign 0.024+/-0.044 χ^2/NDF: 33.2/28

All: 0.019+/-0.031 χ^2/NDF: 70.1/58

- sign 0.014+/-0.043 χ^2/NDF: 36.8/29

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 339.934+/-0.079 χ^2/NDF:1931008.6/12

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

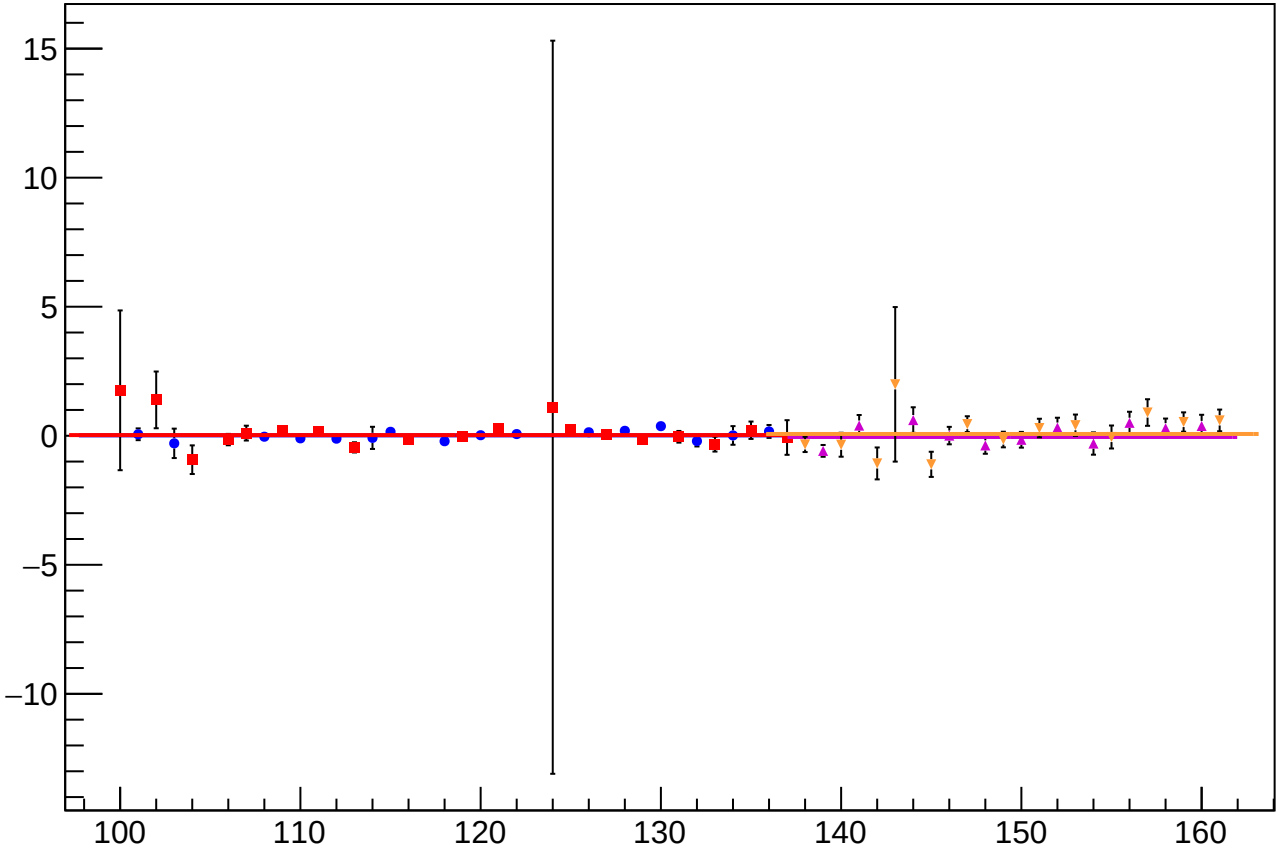
Left In: 316.079+/-0.075 χ^2/NDF:1042796.0/10

+ sign 152.062+/-0.031 χ^2/NDF: 10323174.9/28

All: 148.560+/-0.022 χ^2/NDF: 19733343.0/58

- sign 145.240+/-0.030 χ^2/NDF: 9385520.7/29

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.069+/-0.112 χ^2/NDF:21.2/12

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

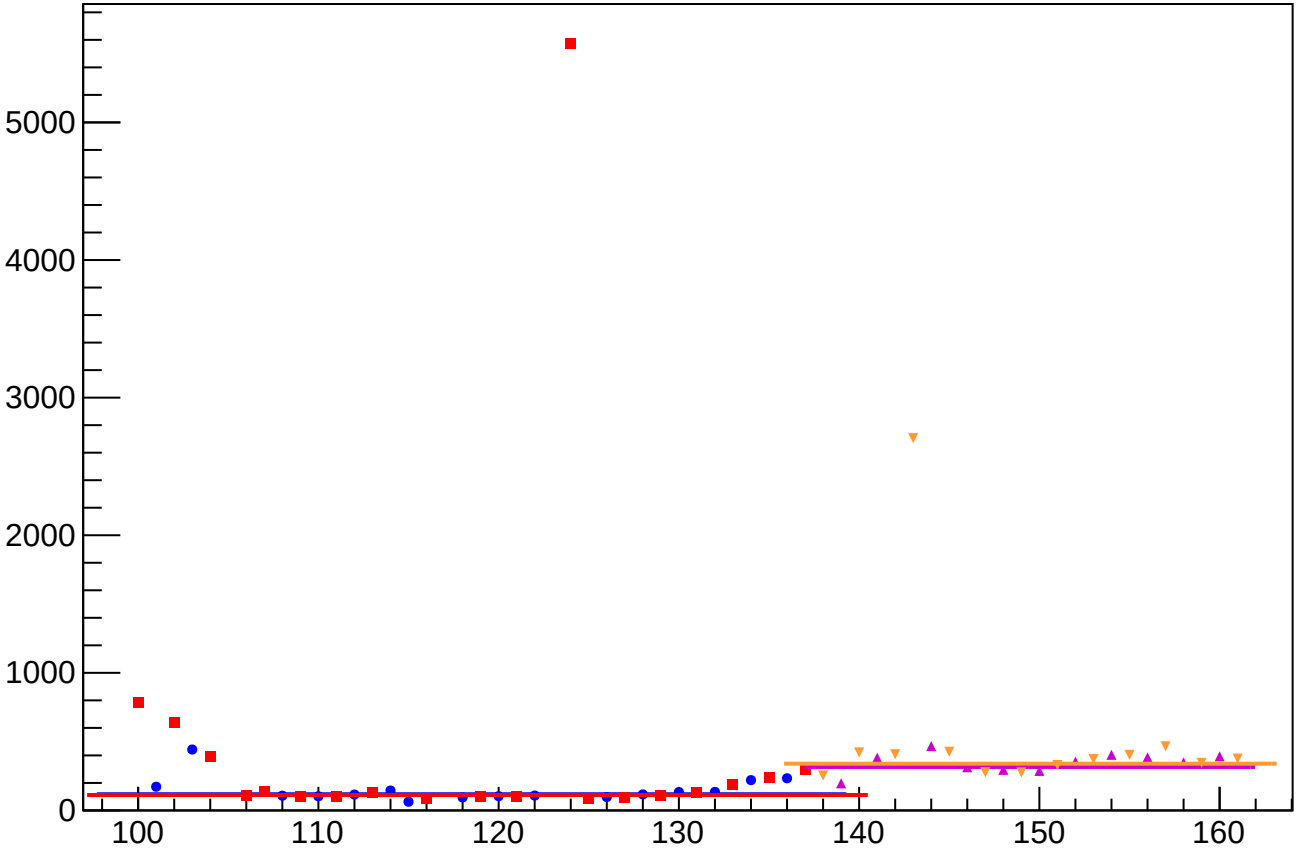
Left In: -0.047+/-0.106 χ^2/NDF:14.3/10

\+ sign 0.024+/-0.044 χ^2/NDF: 33.2/28

All: 0.019+/-0.031 χ^2/NDF: 70.1/58

\- sign 0.014+/-0.043 χ^2/NDF: 36.8/29

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 339.934+/-0.079 χ^2/NDF:1931008.6/12

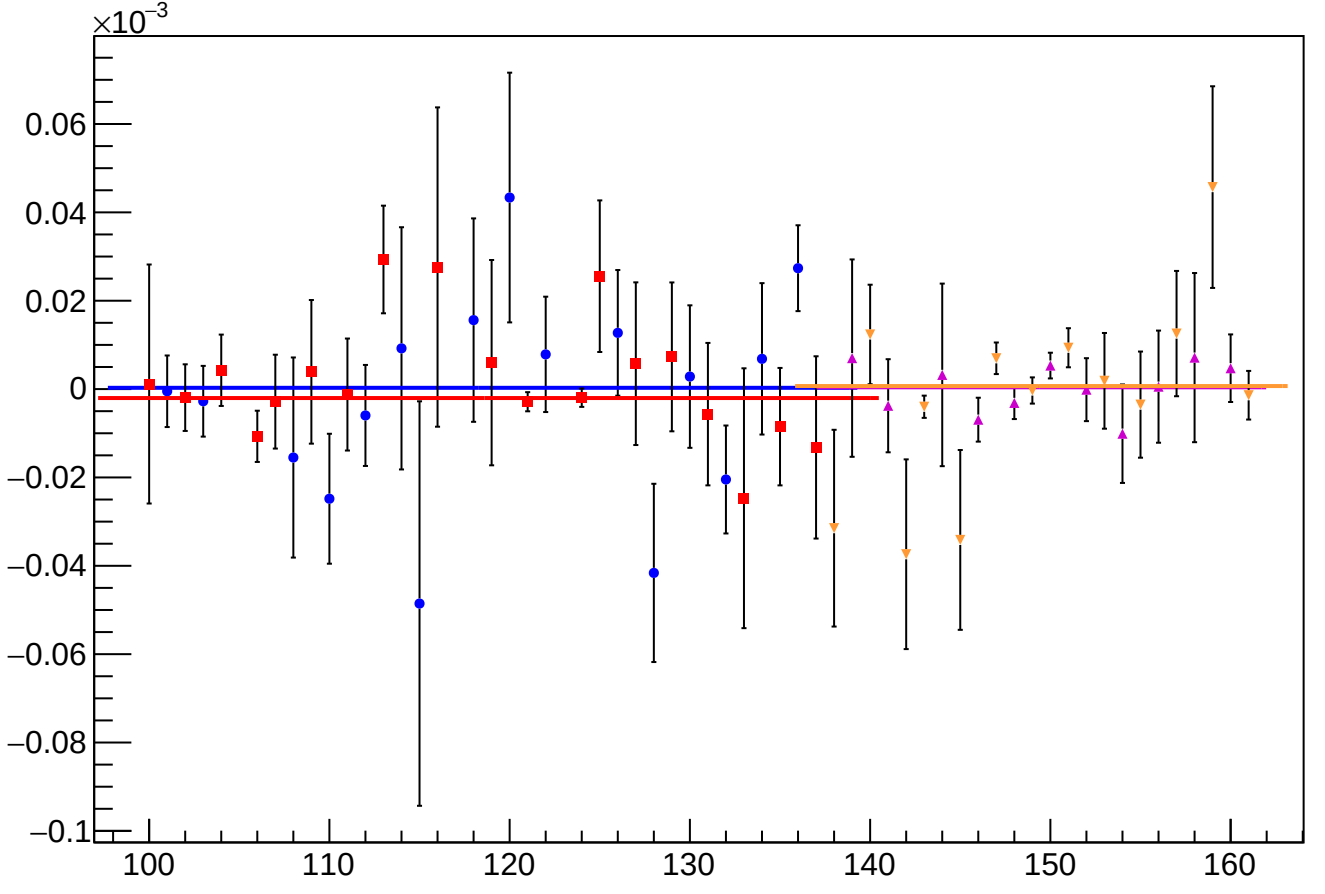
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 316.079+/-0.075 χ^2/NDF:1042796.0/10

+ sign 152.062+/-0.031 χ^2/NDF: 10323174.9/28

All: 148.560+/-0.022 χ^2/NDF: 19733343.0/58

- sign 145.240+/-0.030 χ^2/NDF: 9385520.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/12

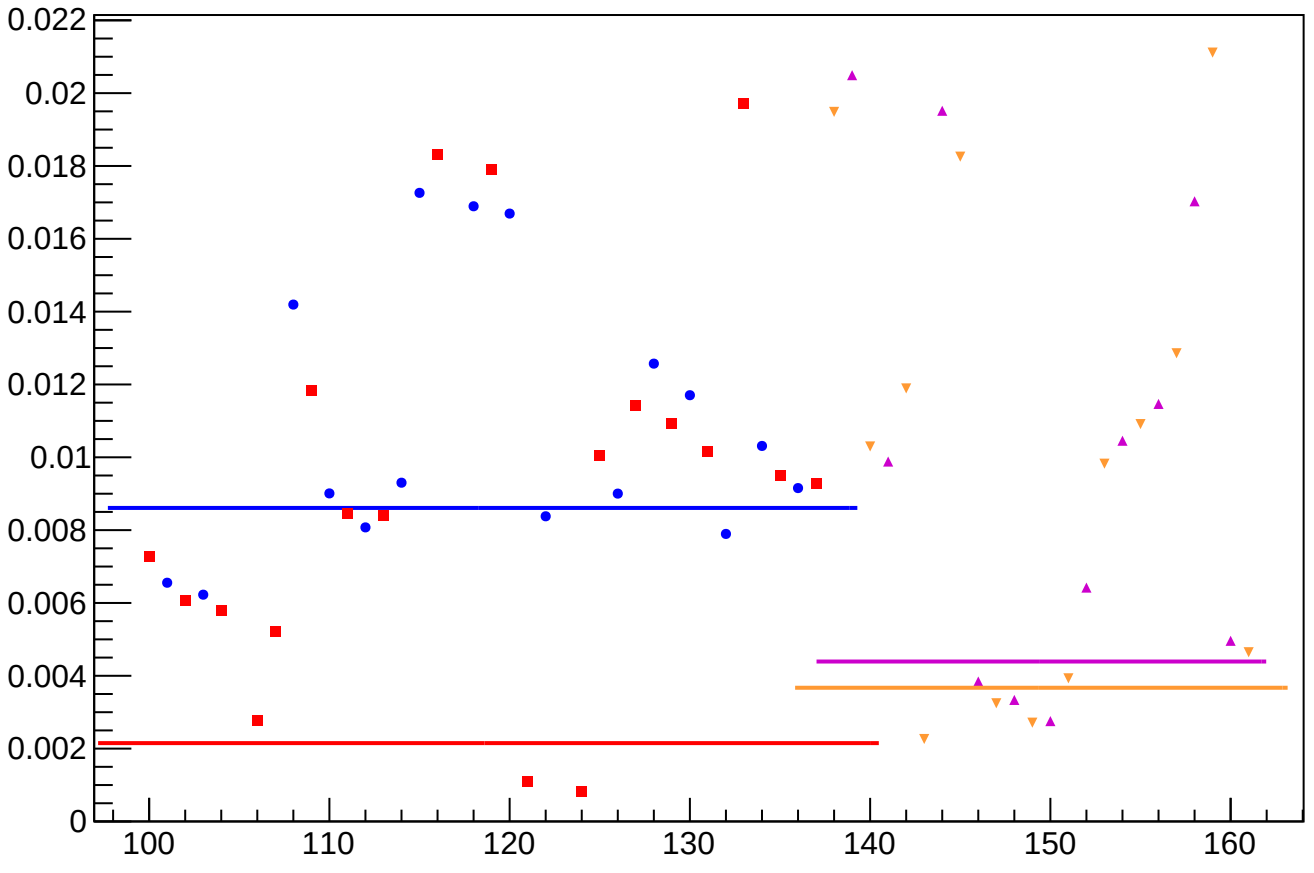
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 48.7/28

All: -0.000+/-0.000 χ^2/NDF: 73.3/58

- sign -0.000+/-0.000 χ^2/NDF: 23.5/29



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:7332353.7/12

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

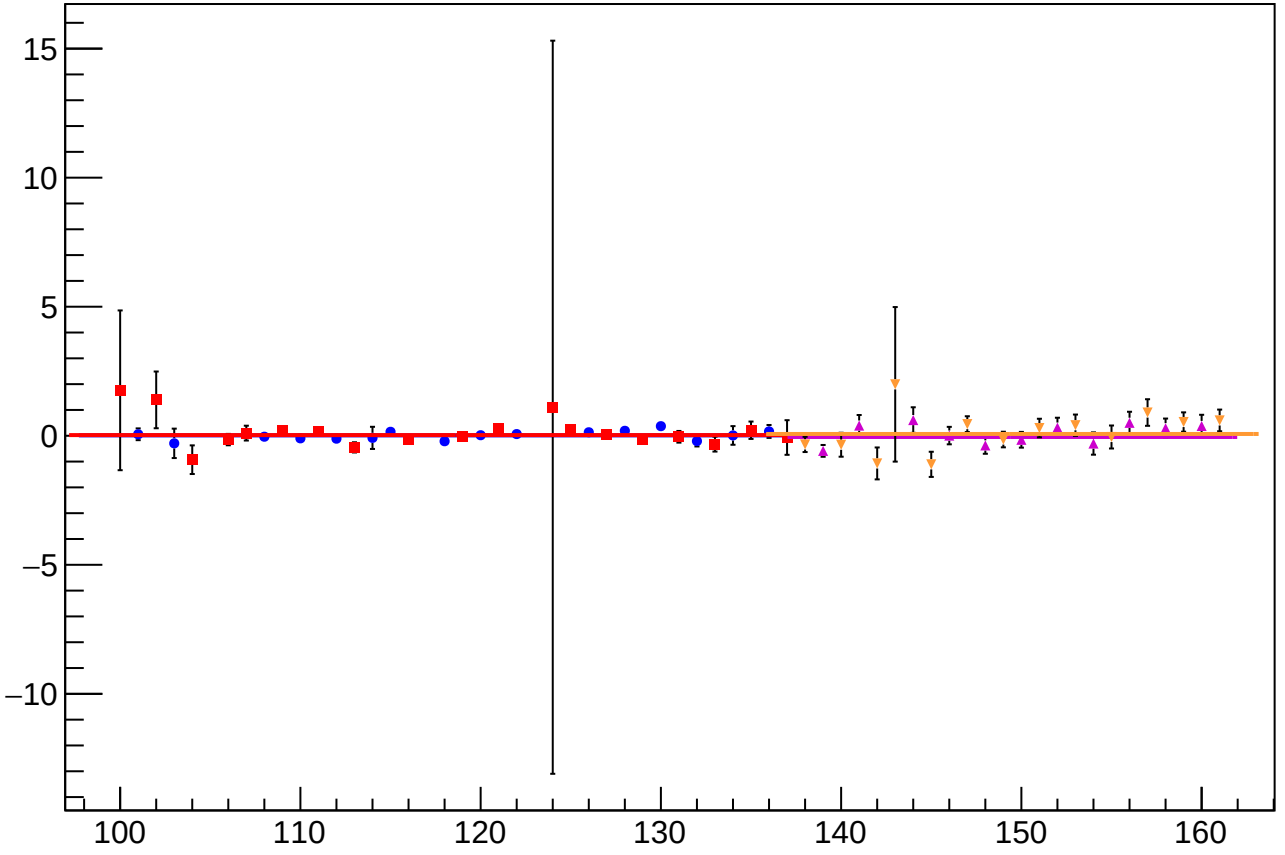
Left In: 0.004+/-0.000 χ^2/NDF:5734702.3/10

+ sign 0.004+/-0.000 χ^2/NDF: 12056034.8/28

All: 0.004+/-0.000 χ^2/NDF: 30391650.7/58

- sign 0.003+/-0.000 χ^2/NDF: 16783864.0/29

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: 0.069+/-0.112 χ^2/NDF:21.2/12

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

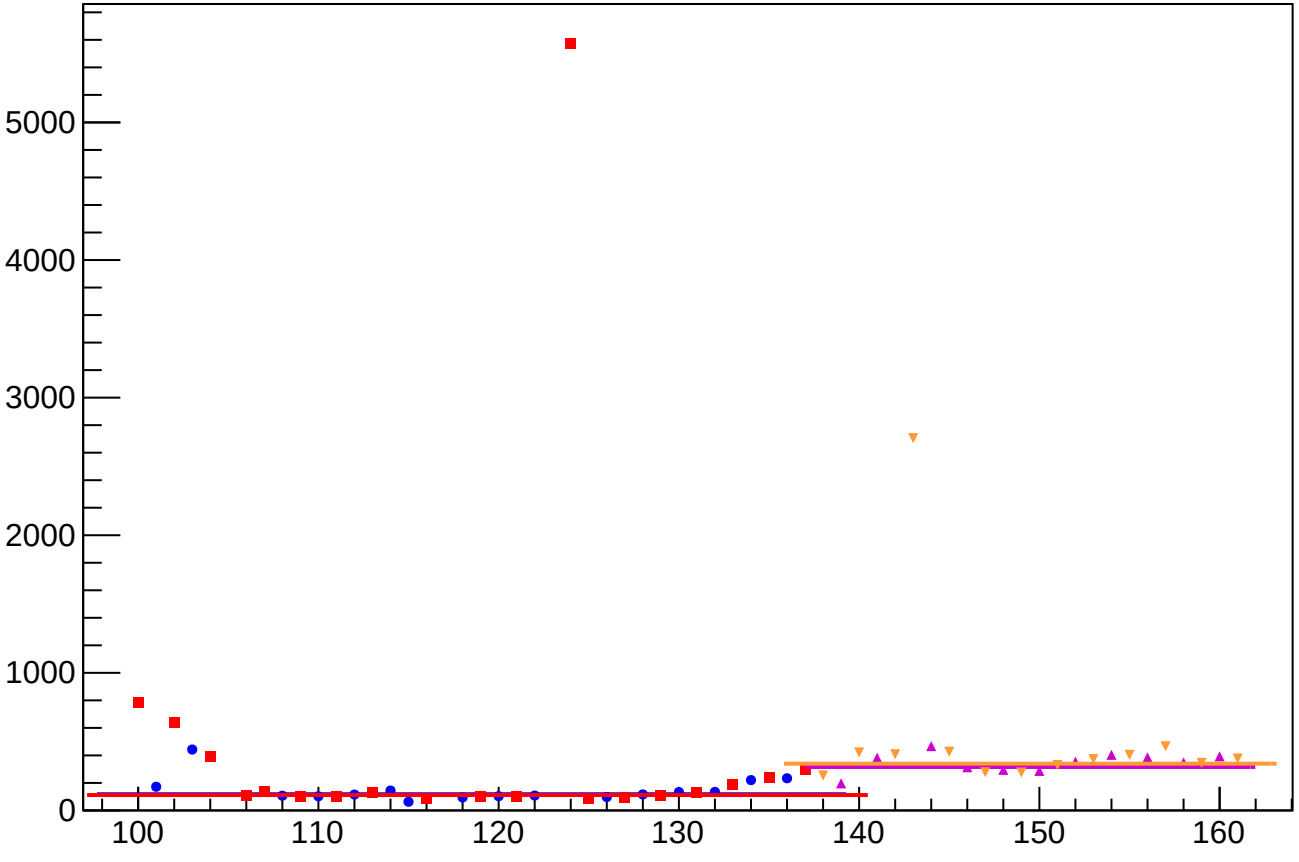
Left In: -0.047+/-0.106 χ^2/NDF:14.3/10

+ sign 0.024+/-0.044 χ^2/NDF: 33.2/28

All: 0.019+/-0.031 χ^2/NDF: 70.1/58

- sign 0.014+/-0.043 χ^2/NDF: 36.8/29

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 339.938+/-0.079 χ^2/NDF:1931052.4/12

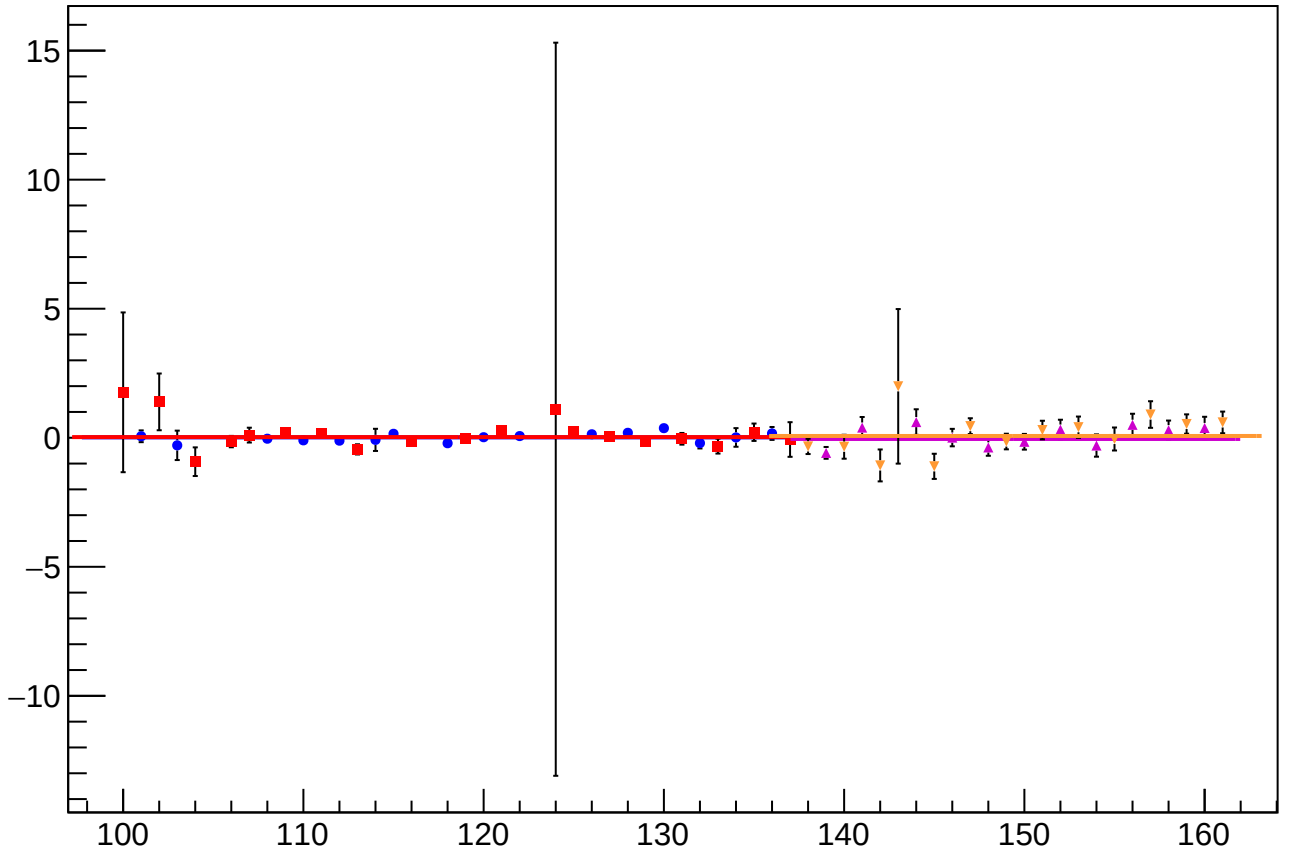
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 316.084+/-0.075 χ^2/NDF:1042797.2/10

+ sign 152.062+/-0.031 χ^2/NDF: 10323266.7/28

All: 148.561+/-0.022 χ^2/NDF: 19733347.3/58

- sign 145.242+/-0.030 χ^2/NDF: 9385447.9/29



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.069+/-0.112 χ^2/NDF:21.2/12

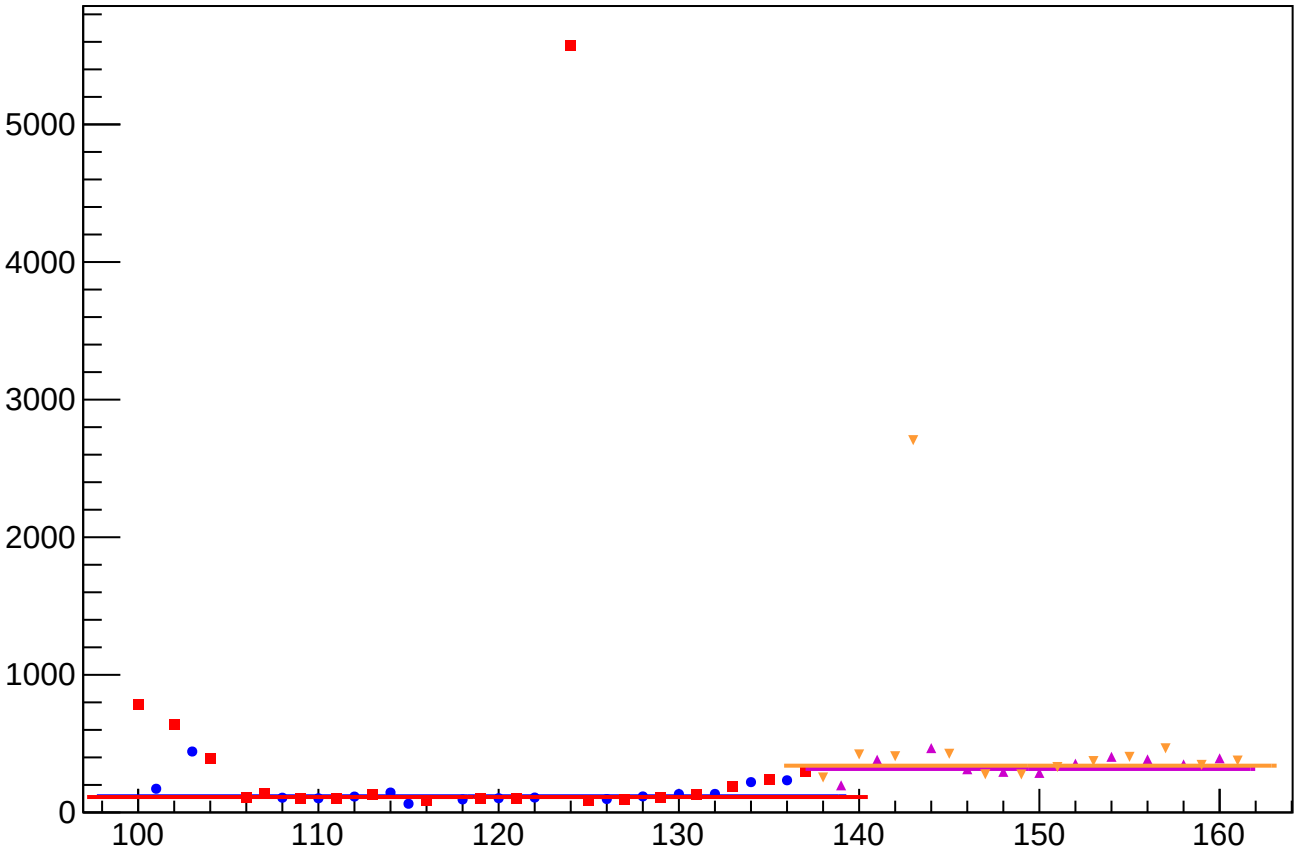
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.047+/-0.106 χ^2/NDF:14.3/10

+ sign 0.024+/-0.044 χ^2/NDF: 33.2/28

All: 0.019+/-0.031 χ^2/NDF: 70.1/58

- sign 0.014+/-0.043 χ^2/NDF: 36.8/29



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 339.938+/-0.079 χ^2/NDF:1931052.4/12

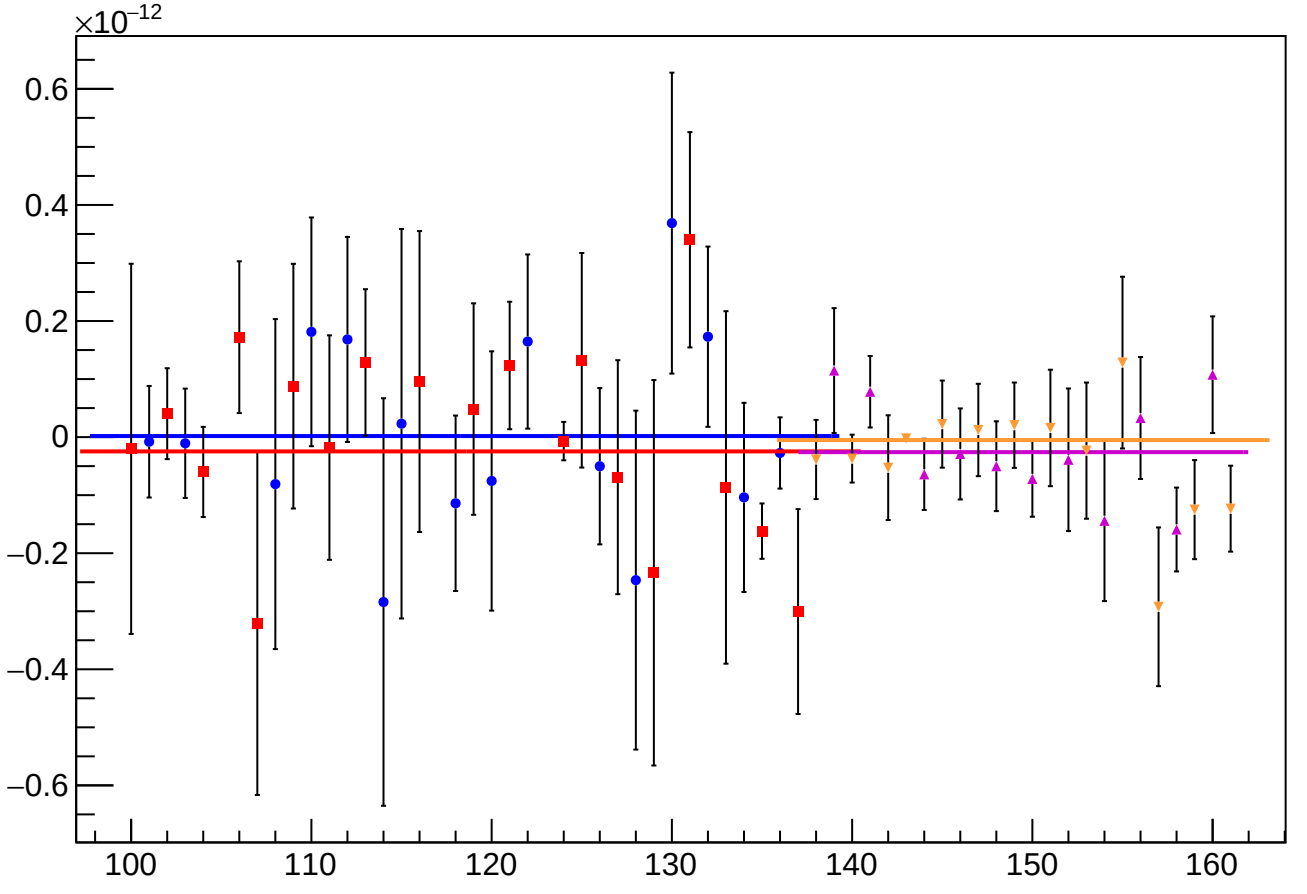
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

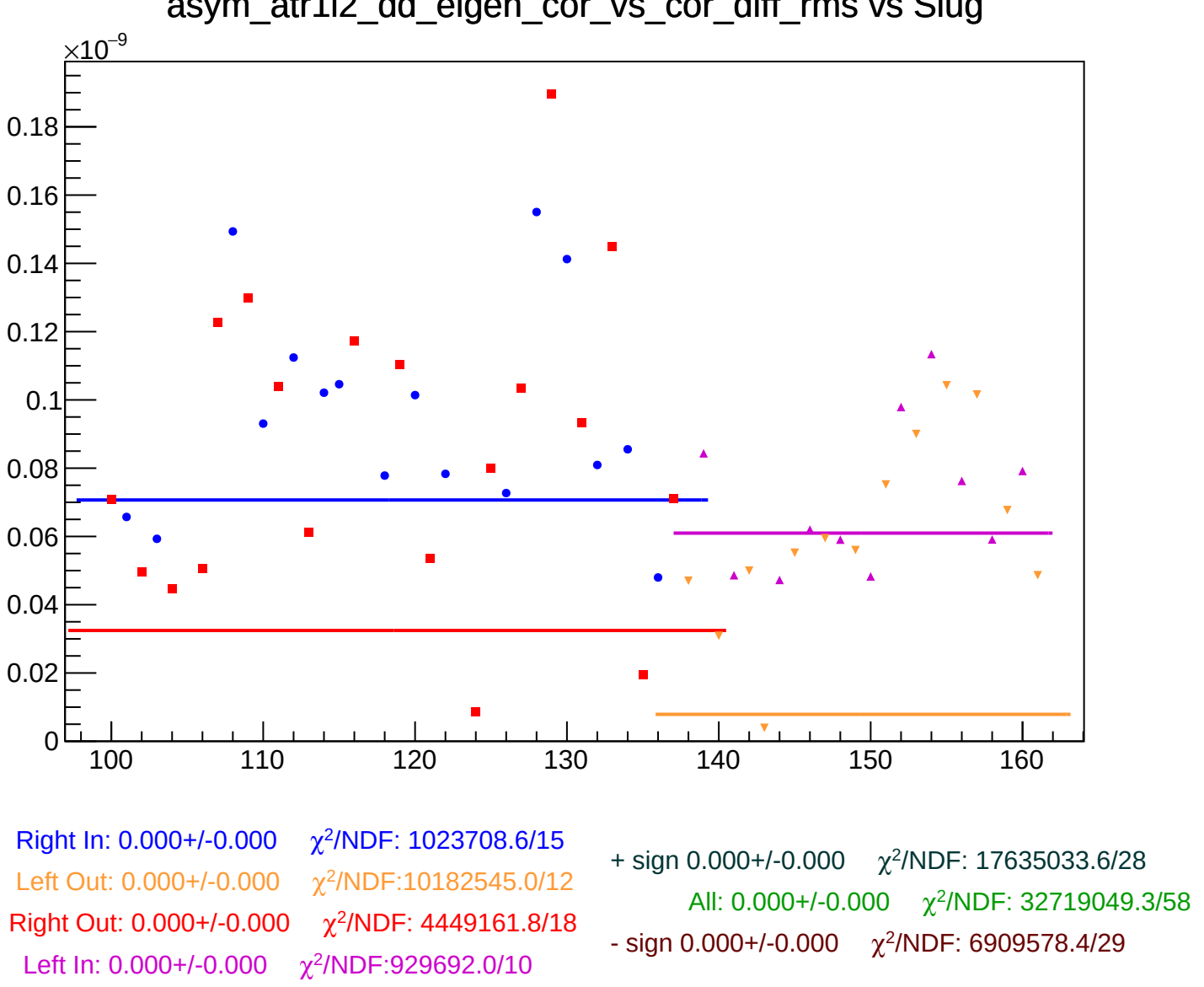
Left In: 316.084+/-0.075 χ^2/NDF:1042797.2/10

+ sign 152.062+/-0.031 χ^2/NDF: 10323266.7/28

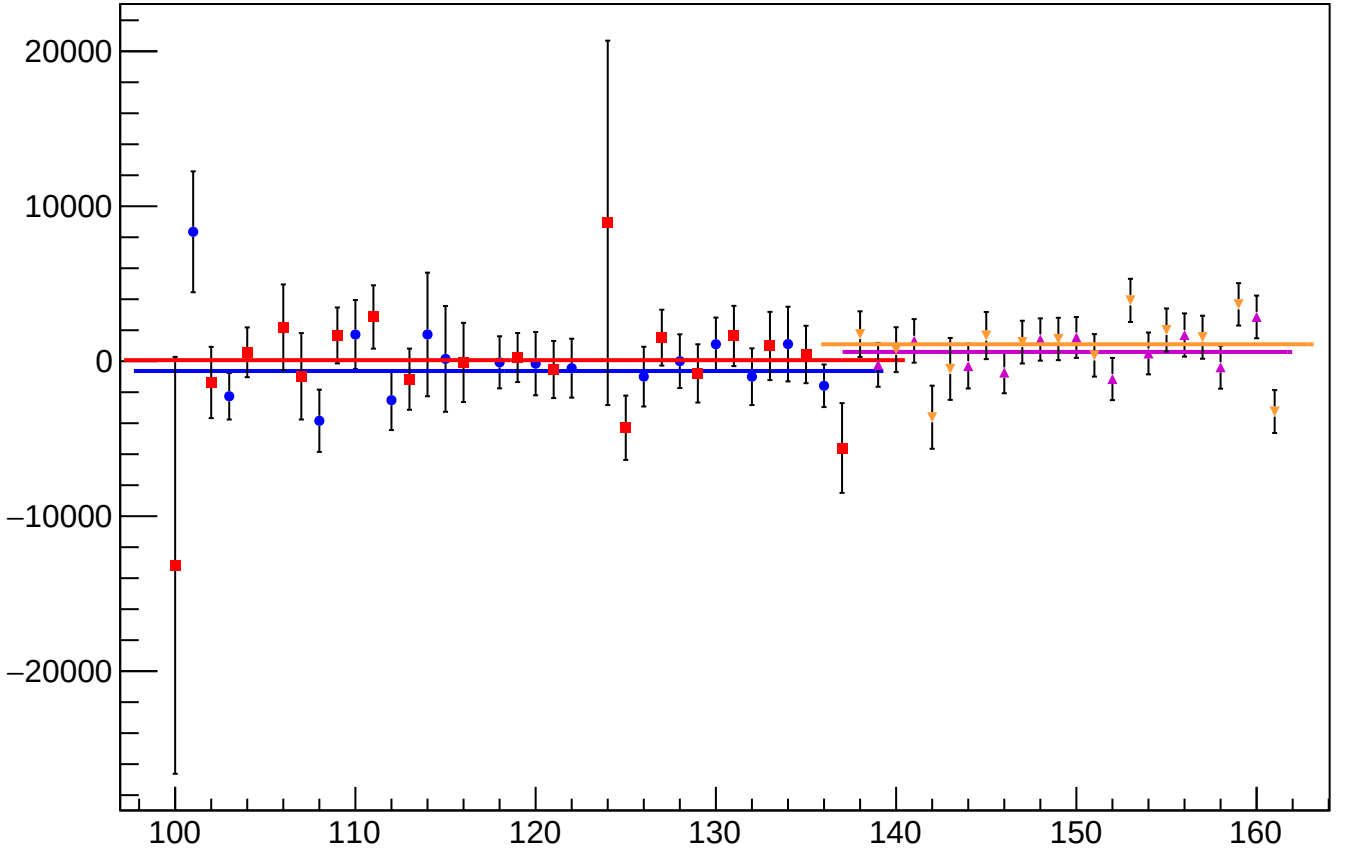
All: 148.561+/-0.022 χ^2/NDF: 19733347.3/58

- sign 145.242+/-0.030 χ^2/NDF: 9385447.9/29


asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 9.1/15
Left Out: -0.000+/-0.000 χ²/NDF:11.4/12
Right Out: -0.000+/-0.000 χ²/NDF: 24.2/18
Left In: -0.000+/-0.000 χ²/NDF:11.8/10
+ sign -0.000+/-0.000 χ²/NDF: 20.6/28
All: -0.000+/-0.000 χ²/NDF: 57.9/58
- sign -0.000+/-0.000 χ²/NDF: 36.0/29


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
Right In: 0.000+/-0.000 χ²/NDF: 1023708.6/15
Left Out: 0.000+/-0.000 χ²/NDF:10182545.0/12
Right Out: 0.000+/-0.000 χ²/NDF: 4449161.8/18
Left In: 0.000+/-0.000 χ²/NDF:929692.0/10
+ sign 0.000+/-0.000 χ²/NDF: 17635033.6/28
All: 0.000+/-0.000 χ²/NDF: 32719049.3/58
- sign 0.000+/-0.000 χ²/NDF: 6909578.4/29

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.716+/-406.127 χ^2/NDF:24.8/12

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

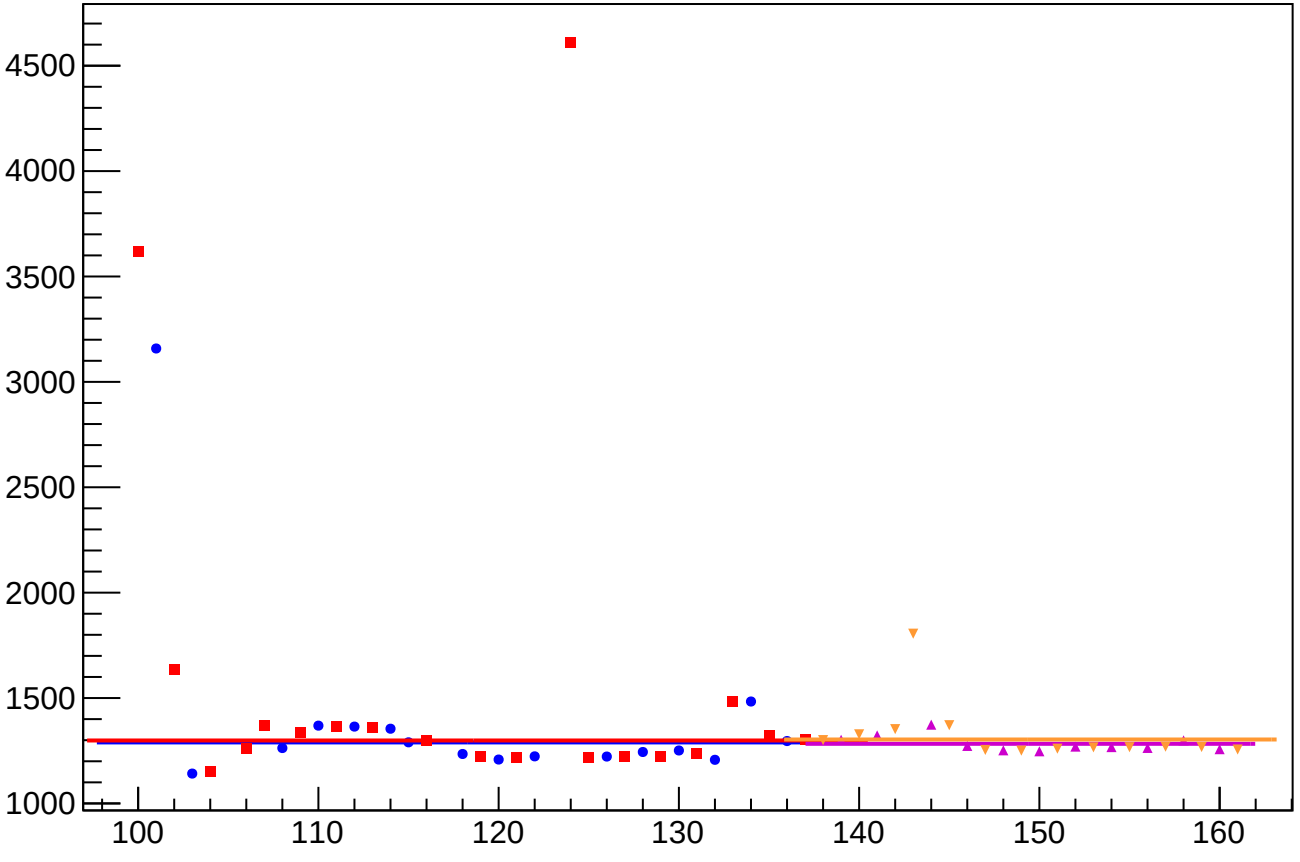
Left In: 597.367+/-415.077 χ^2/NDF:8.3/10

+ sign 389.088+/-312.338 χ^2/NDF: 46.0/28

All: 382.067+/-222.178 χ^2/NDF: 70.9/58

- sign 374.876+/-316.110 χ^2/NDF: 24.8/29

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

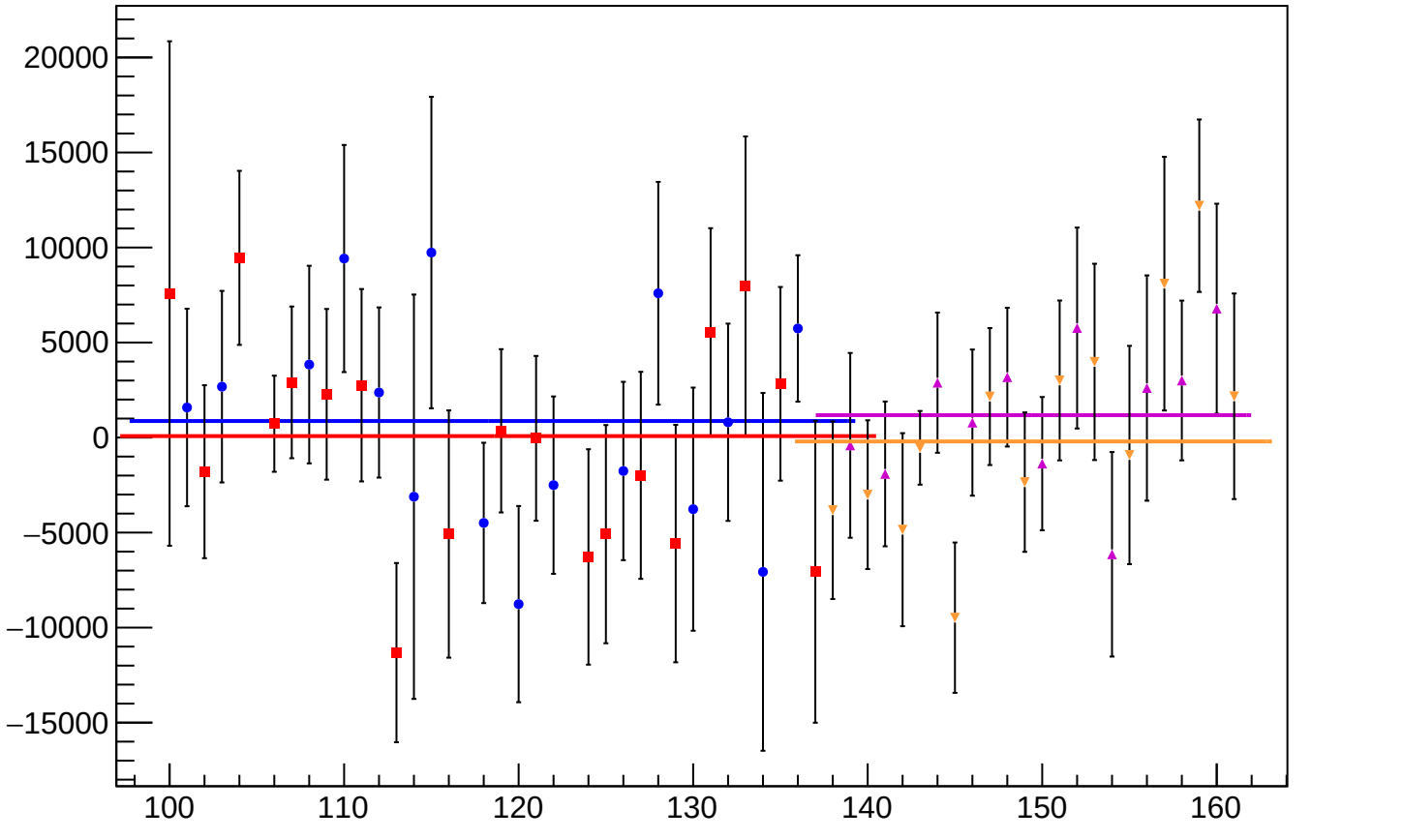
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1297.678+/-0.221 χ^2/NDF: 662874.2/28

All: 1293.643+/-0.157 χ^2/NDF: 998364.9/58

- sign 1289.520+/-0.223 χ^2/NDF: 334815.9/29



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -205.395+/-1078.069 χ^2/NDF:18.7/12

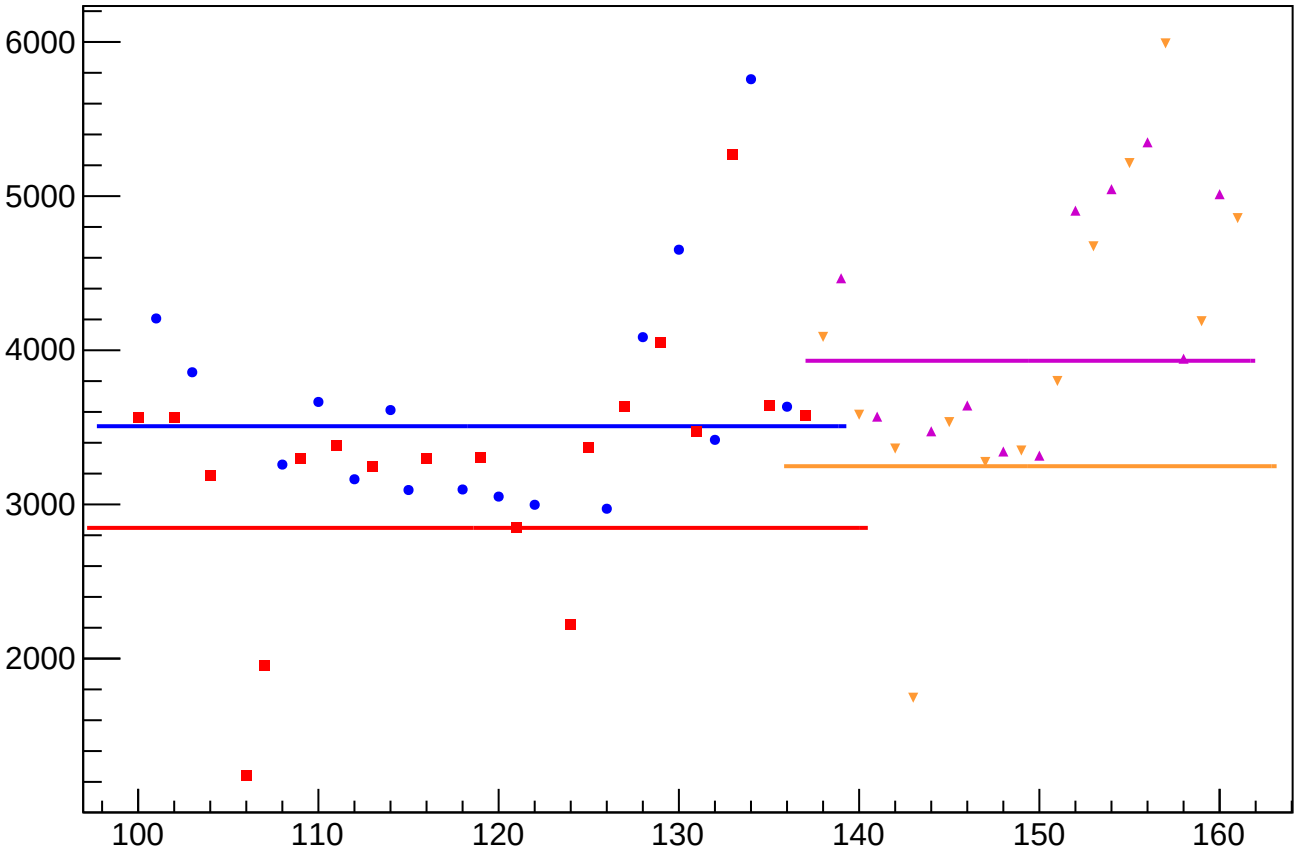
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1178.736+/-1294.234 χ^2/NDF:5.7/10

+ sign 222.963+/-836.309 χ^2/NDF: 33.1/28

All: 382.514+/-593.723 χ^2/NDF: 57.7/58

- sign 544.643+/-843.033 χ^2/NDF: 24.5/29



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3247.932+/-0.762 χ^2/NDF:2313741.7/12

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

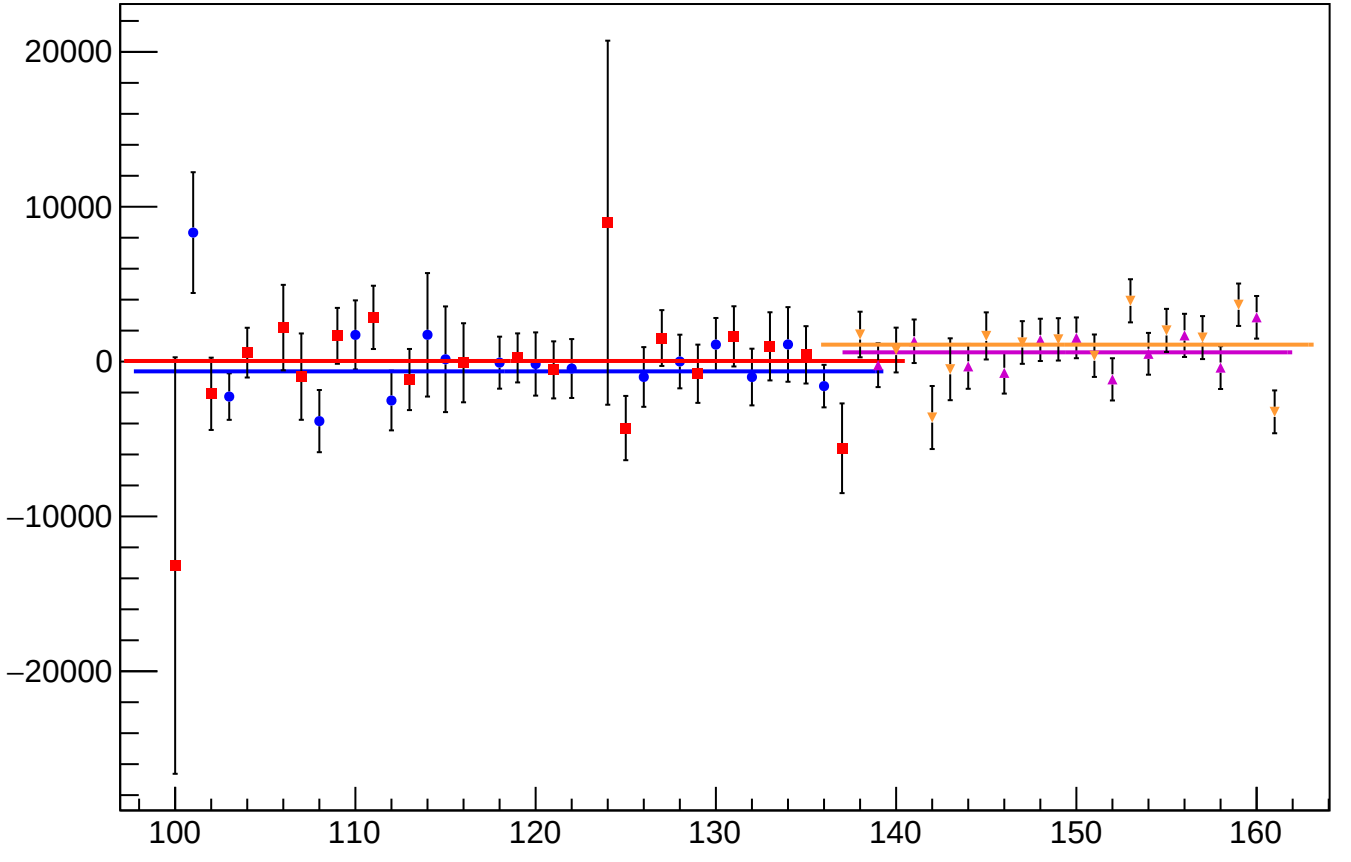
Left In: 3931.901+/-0.915 χ^2/NDF:542555.0/10

+ sign 3351.255+/-0.591 χ^2/NDF: 2713854.0/28

All: 3329.698+/-0.420 χ^2/NDF: 5566292.7/58

- sign 3307.793+/-0.596 χ^2/NDF: 2849759.4/29

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.736+/-406.127 χ^2/NDF:24.8/12

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

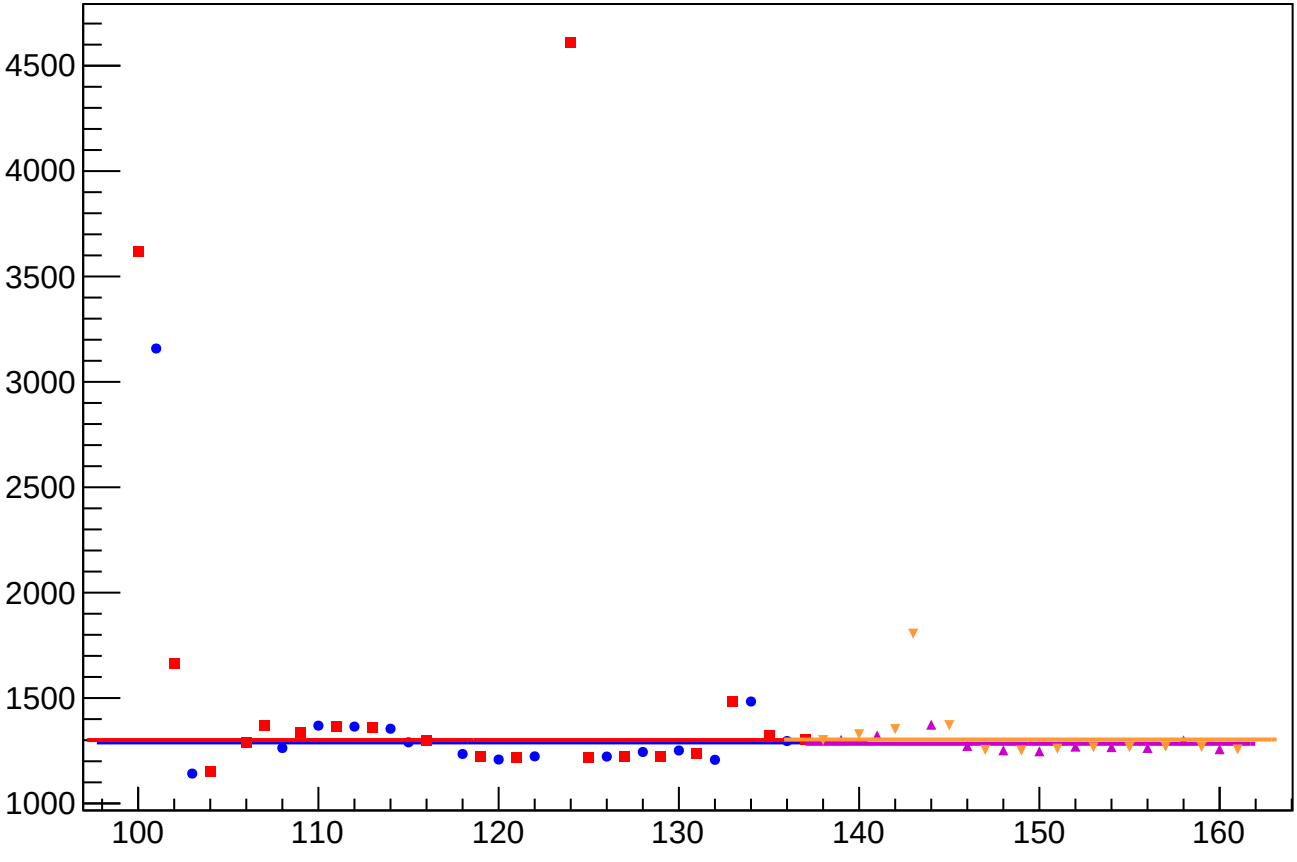
Left In: 597.365+/-415.077 χ^2/NDF:8.3/10

\+ sign 388.943+/-312.338 χ^2/NDF: 46.0/28

All: 376.065+/-222.209 χ^2/NDF: 71.4/58

\- sign 362.867+/-316.198 χ^2/NDF: 25.4/29

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

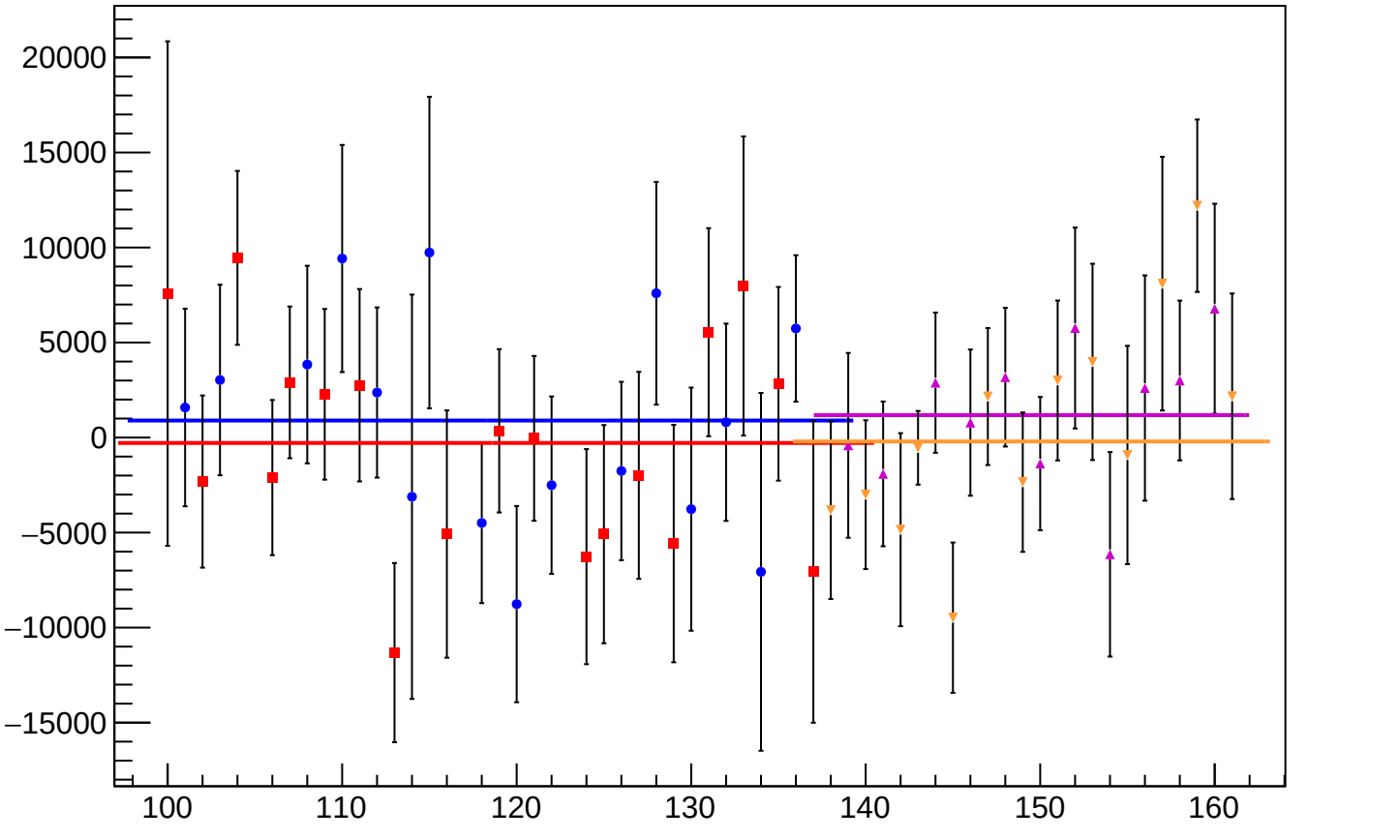
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1297.678+/-0.221 χ^2/NDF: 662875.7/28

All: 1294.062+/-0.157 χ^2/NDF: 1005097.5/58

- sign 1290.362+/-0.223 χ^2/NDF: 341679.5/29



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -205.293+/-1078.066 χ^2/NDF:18.7/12

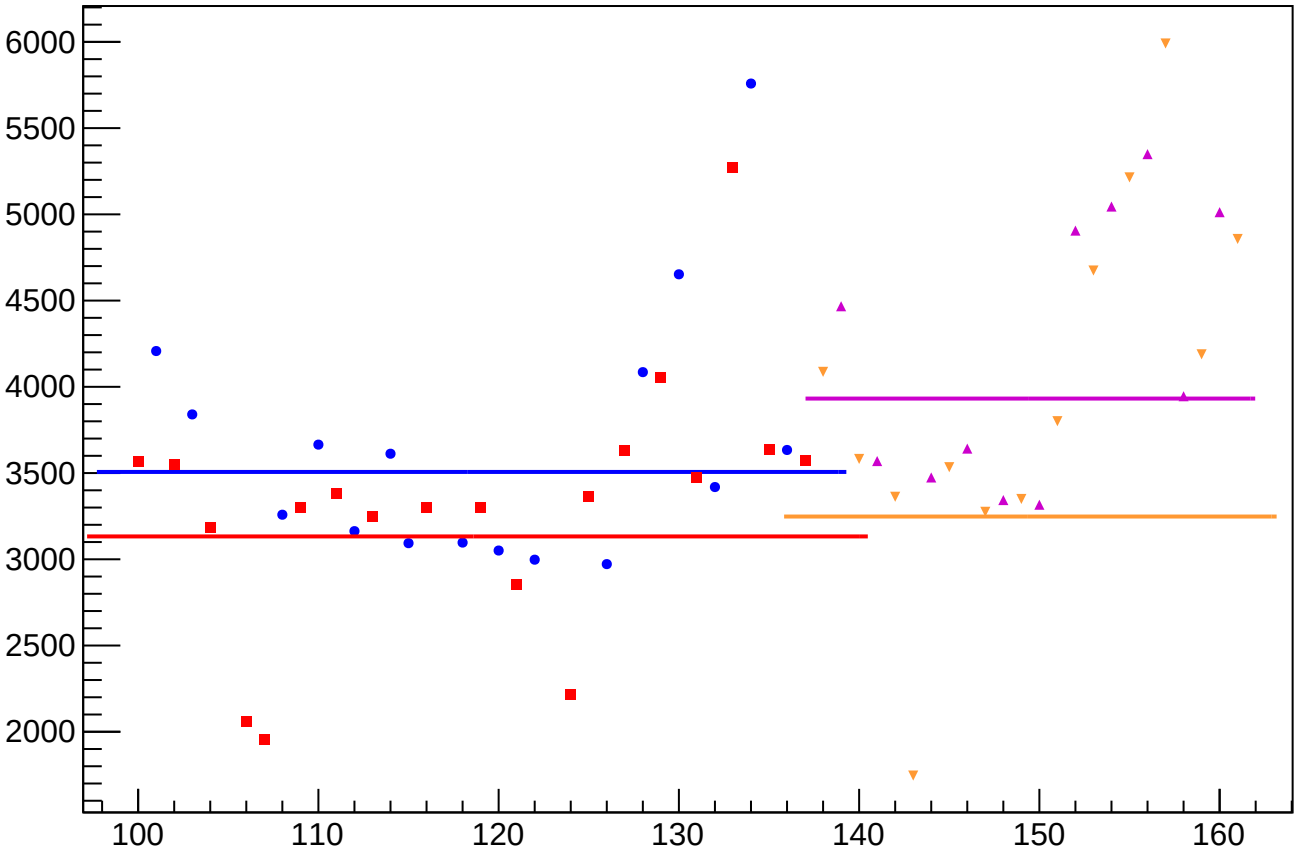
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1178.797+/-1294.233 χ^2/NDF:5.7/10

+ sign 233.446+/-836.193 χ^2/NDF: 33.2/28

All: 304.491+/-603.956 χ^2/NDF: 58.2/58

- sign 381.974+/-873.257 χ^2/NDF: 25.0/29



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3247.922+/-0.762 χ^2/NDF:2313764.6/12

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

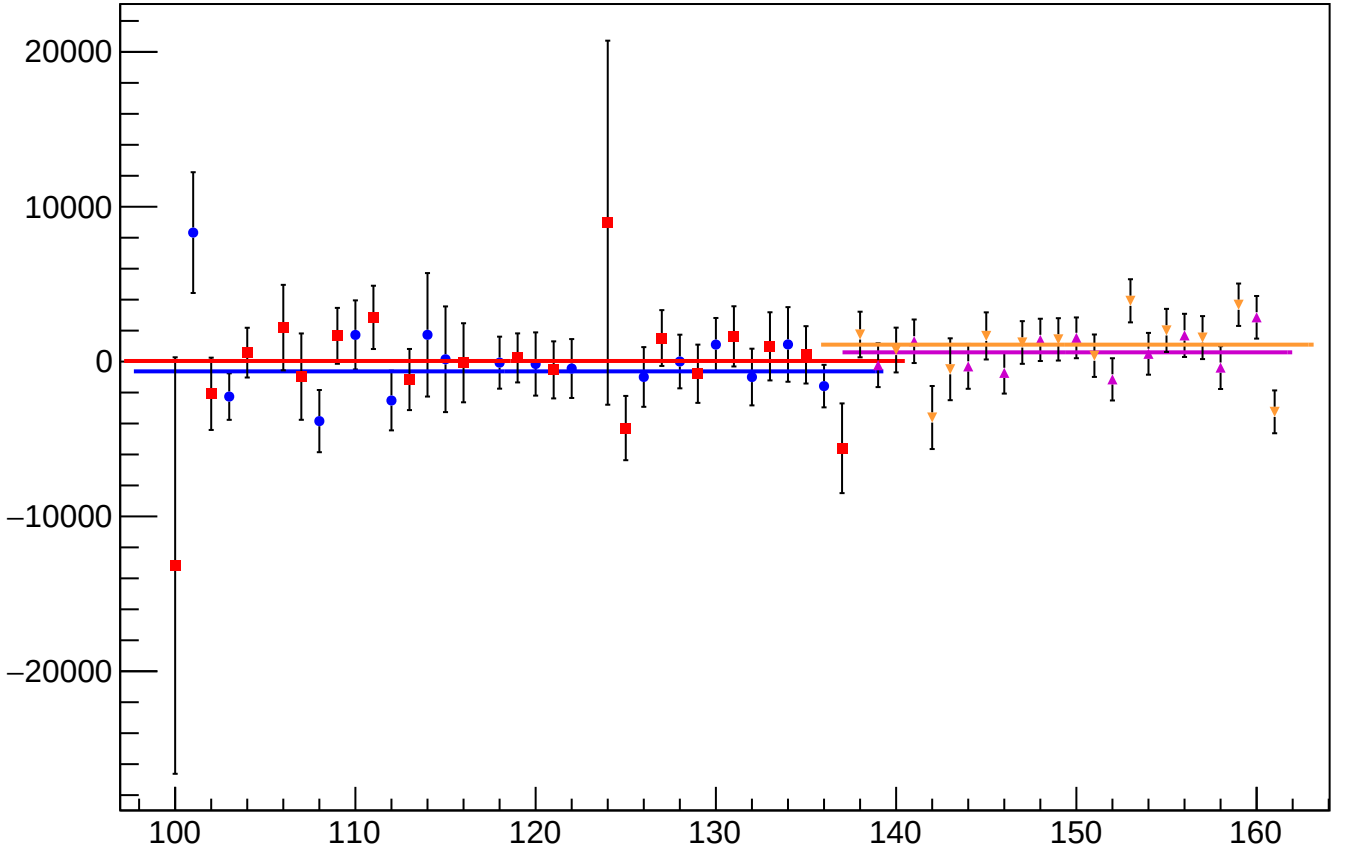
Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

+ sign 3350.928+/-0.591 χ^2/NDF: 2712834.1/28

All: 3420.550+/-0.427 χ^2/NDF: 4349538.0/58

- sign 3496.481+/-0.617 χ^2/NDF: 1607718.3/29

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: 1093.736+/-406.127 χ^2/NDF:24.8/12

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

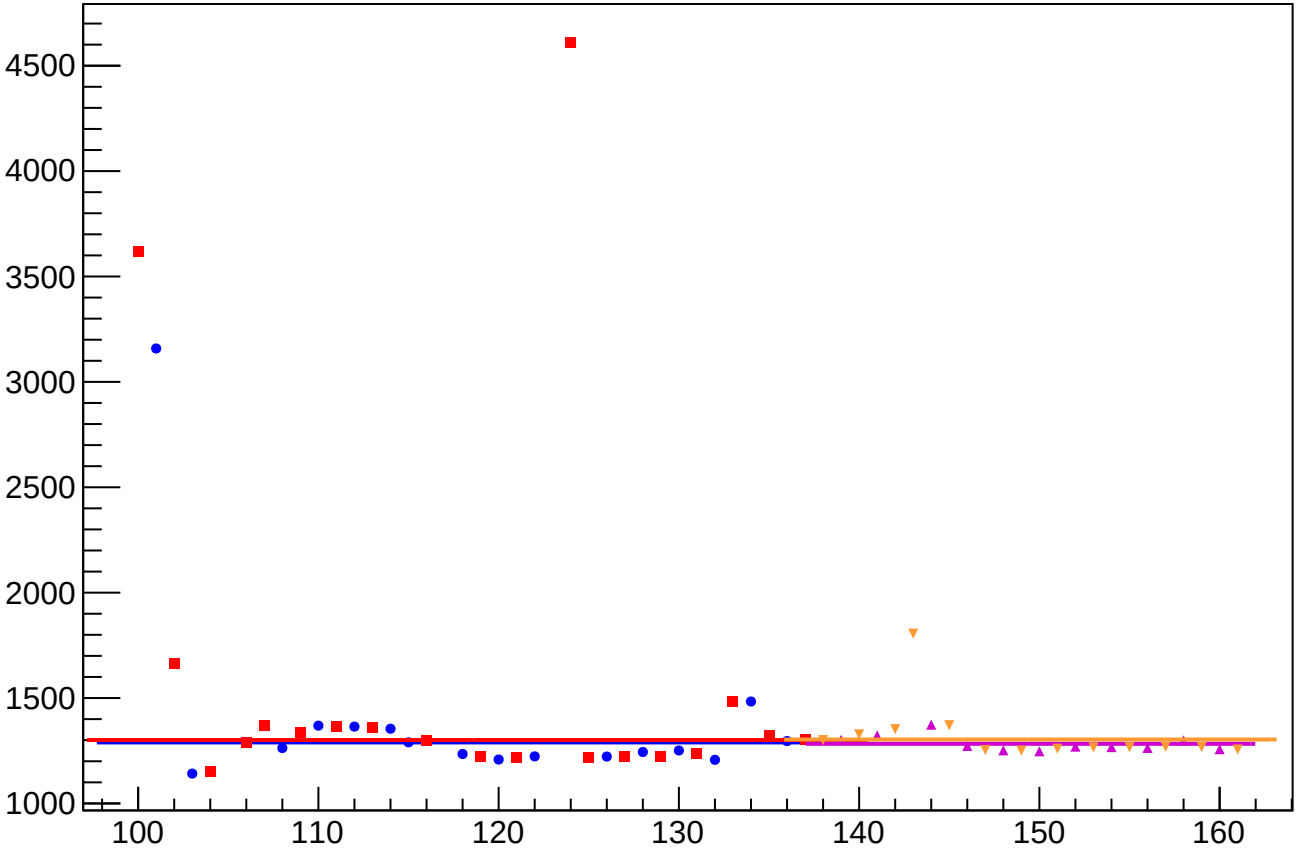
Left In: 597.365+/-415.077 χ^2/NDF:8.3/10

\+ sign 388.943+/-312.338 χ^2/NDF: 46.0/28

All: 376.065+/-222.209 χ^2/NDF: 71.4/58

\- sign 362.867+/-316.198 χ^2/NDF: 25.4/29

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: 1303.350+/-0.287 χ^2/NDF:147244.2/12

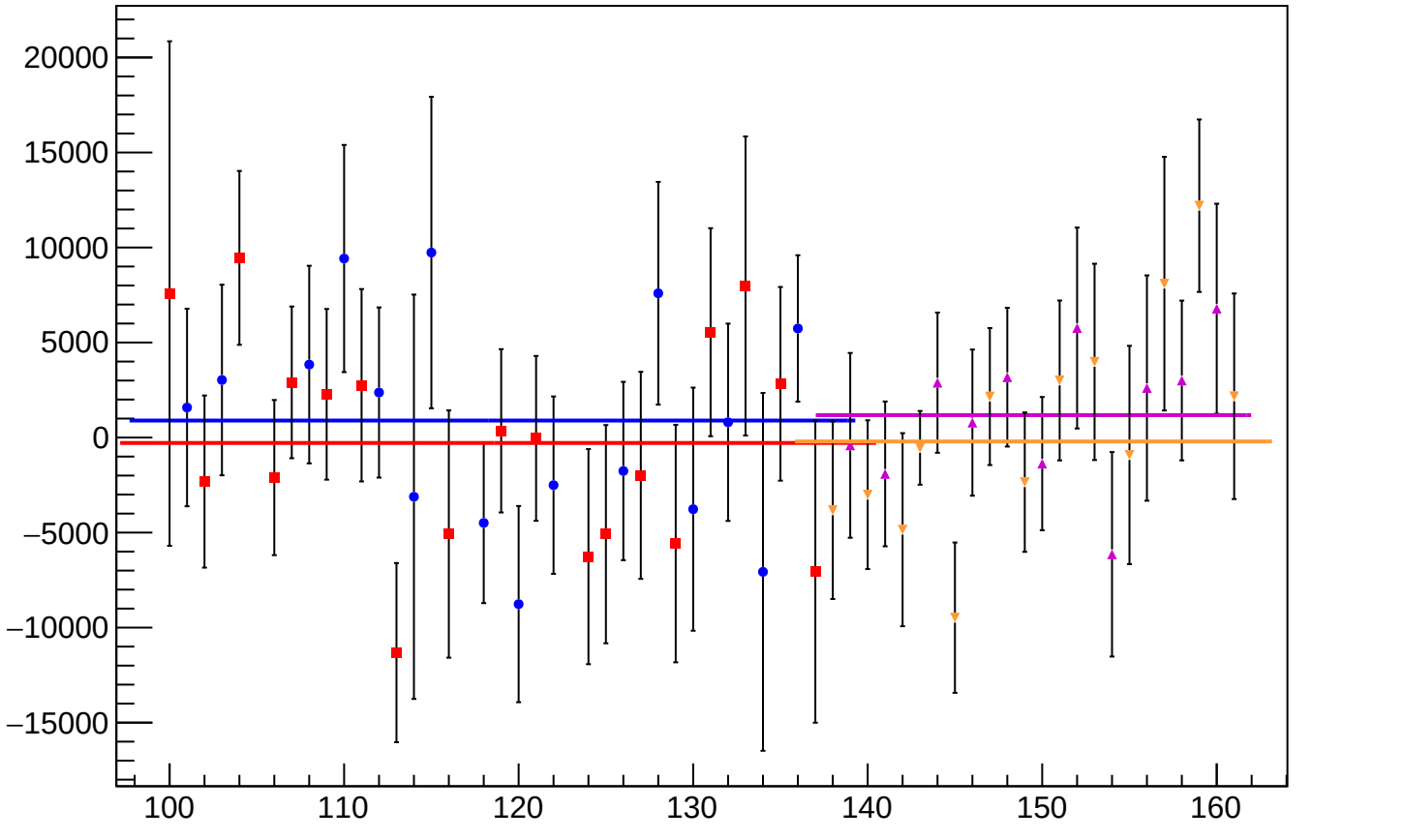
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1297.678+/-0.221 χ^2/NDF: 662875.7/28

All: 1294.062+/-0.157 χ^2/NDF: 1005097.5/58

- sign 1290.362+/-0.223 χ^2/NDF: 341679.5/29



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -205.293+/-1078.066 χ^2/NDF:18.7/12

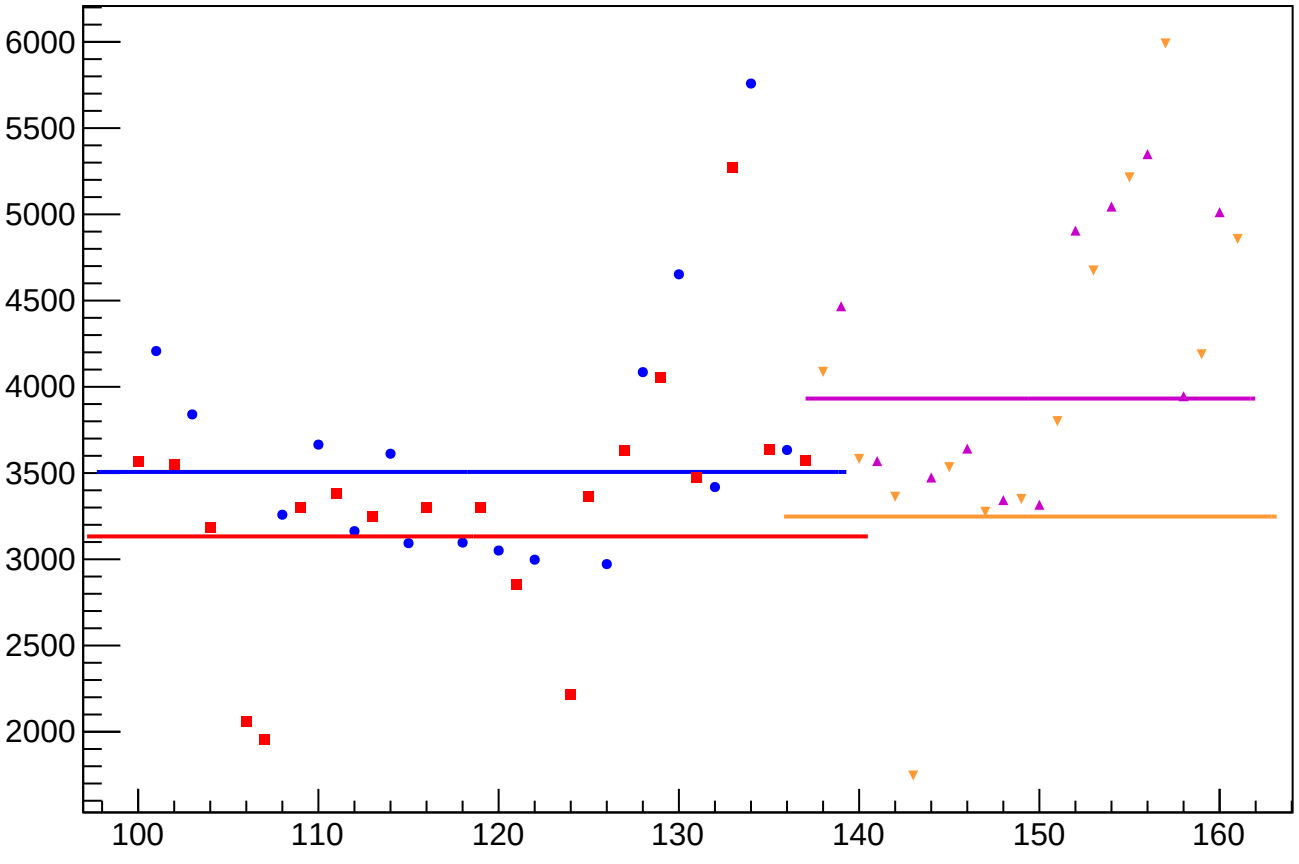
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1178.797+/-1294.233 χ^2/NDF:5.7/10

+ sign 233.446+/-836.193 χ^2/NDF: 33.2/28

All: 304.491+/-603.956 χ^2/NDF: 58.2/58

- sign 381.974+/-873.257 χ^2/NDF: 25.0/29



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3247.922+/-0.762 χ^2/NDF:2313764.6/12

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

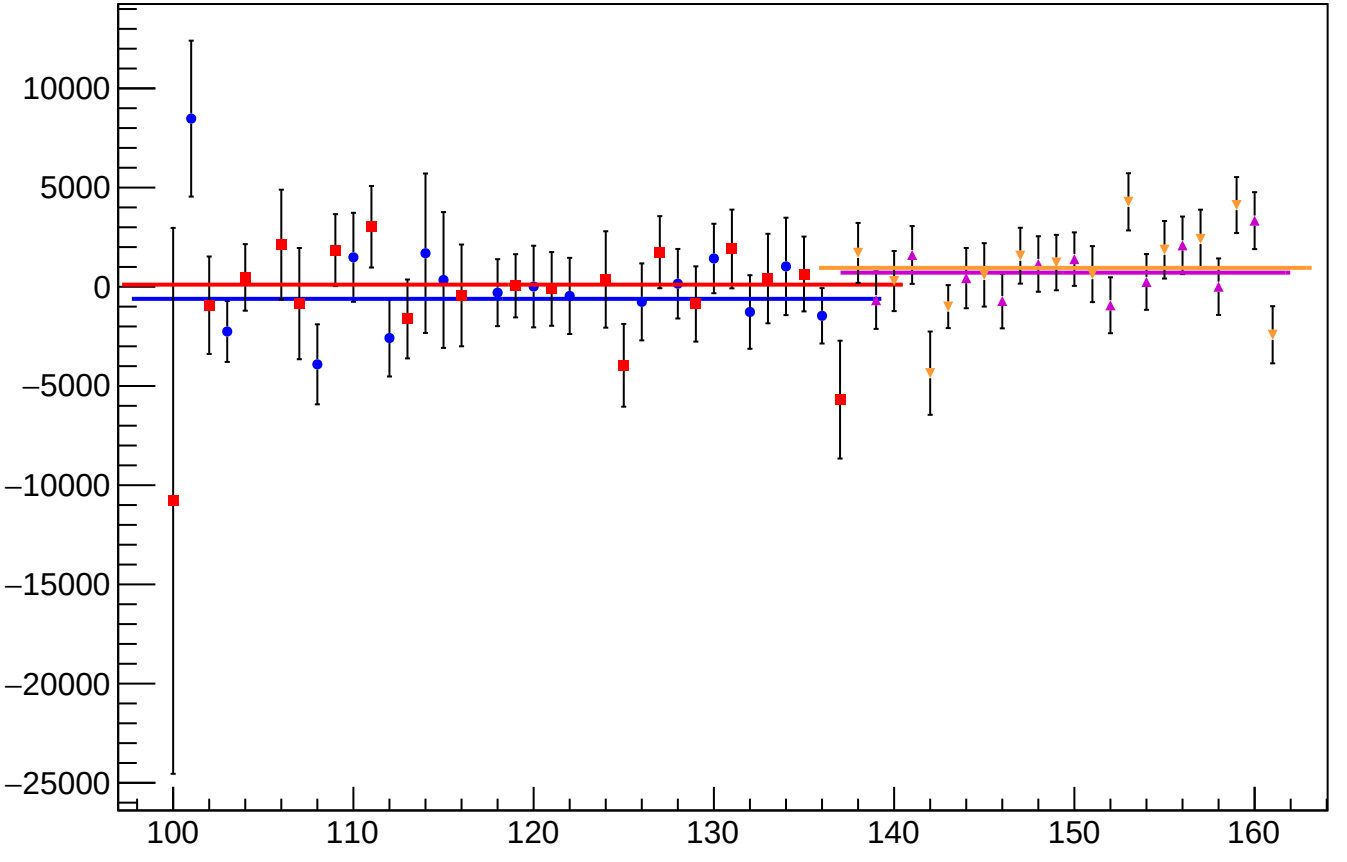
Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

+ sign 3350.928+/-0.591 χ^2/NDF: 2712834.1/28

All: 3420.550+/-0.427 χ^2/NDF: 4349538.0/58

- sign 3496.481+/-0.617 χ^2/NDF: 1607718.3/29

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 953.074+/-399.584 χ^2/NDF:27.6/12

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

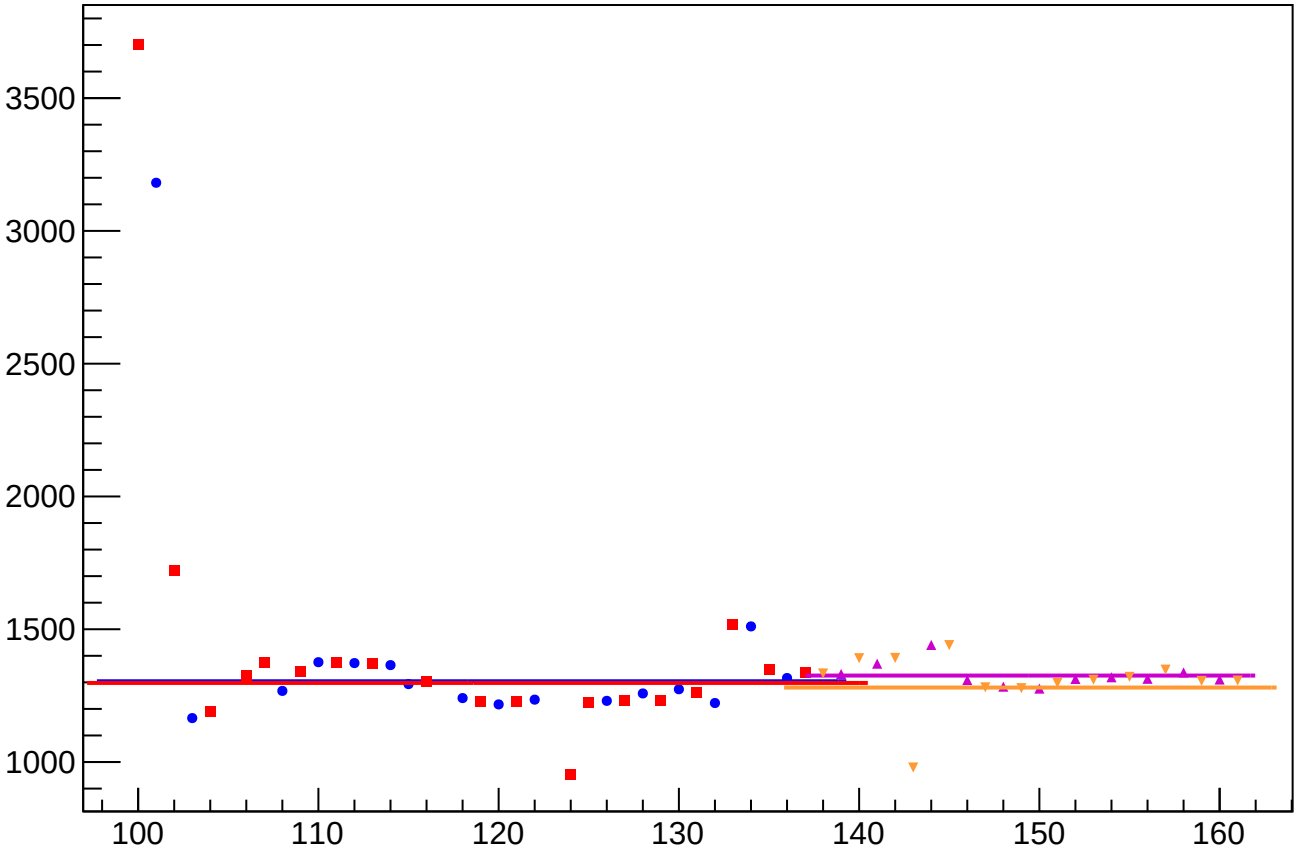
Left In: 712.705+/-428.982 χ^2/NDF:8.7/10

+ sign 336.001+/-310.718 χ^2/NDF: 47.8/28

All: 390.038+/-223.420 χ^2/NDF: 72.3/58

- sign 447.885+/-321.485 χ^2/NDF: 24.5/29

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.498+/-0.283 χ^2/NDF:201311.2/12

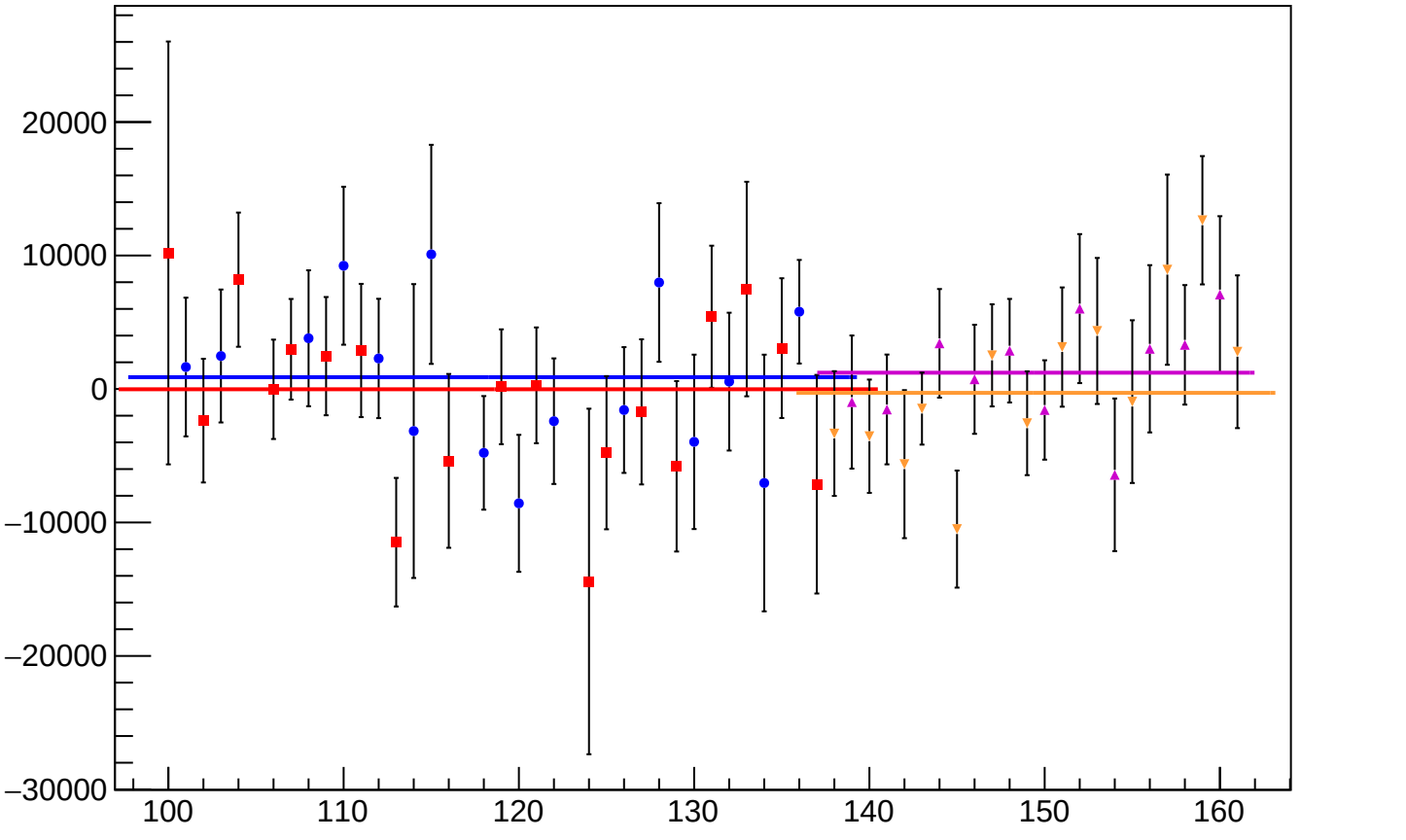
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.597+/-0.303 χ^2/NDF:18904.0/10

+ sign 1289.829+/-0.220 χ^2/NDF: 714659.7/28

All: 1301.217+/-0.158 χ^2/NDF: 955906.4/58

- sign 1313.400+/-0.227 χ^2/NDF: 235686.4/29



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -289.939+/-1229.495 χ^2/NDF:19.0/12

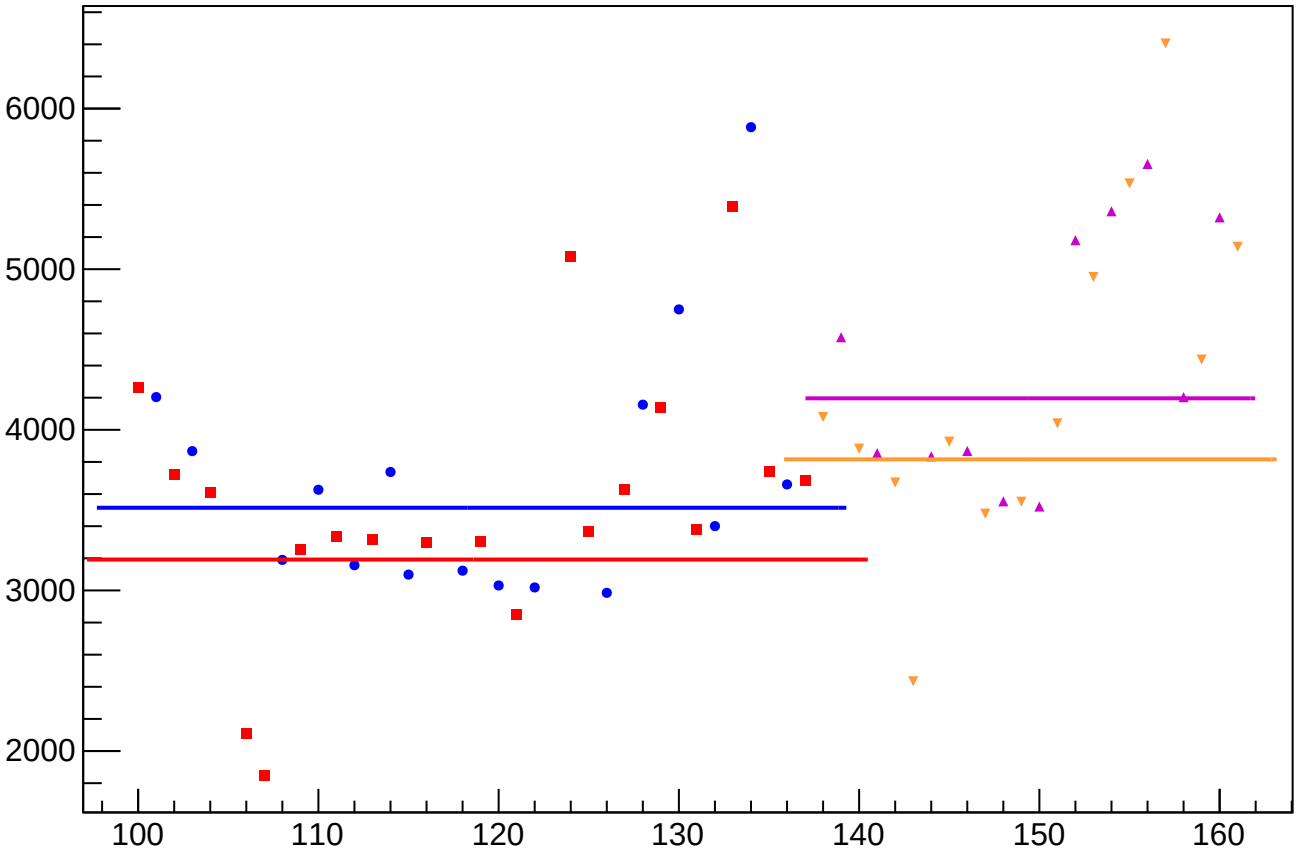
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1220.374+/-1379.867 χ^2/NDF:5.5/10

+ sign 252.173+/-902.012 χ^2/NDF: 33.5/28

All: 382.456+/-639.047 χ^2/NDF: 56.3/58

- sign 513.747+/-905.495 χ^2/NDF: 22.8/29



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3816.062+/-0.869 χ^2/NDF:1213868.5/12

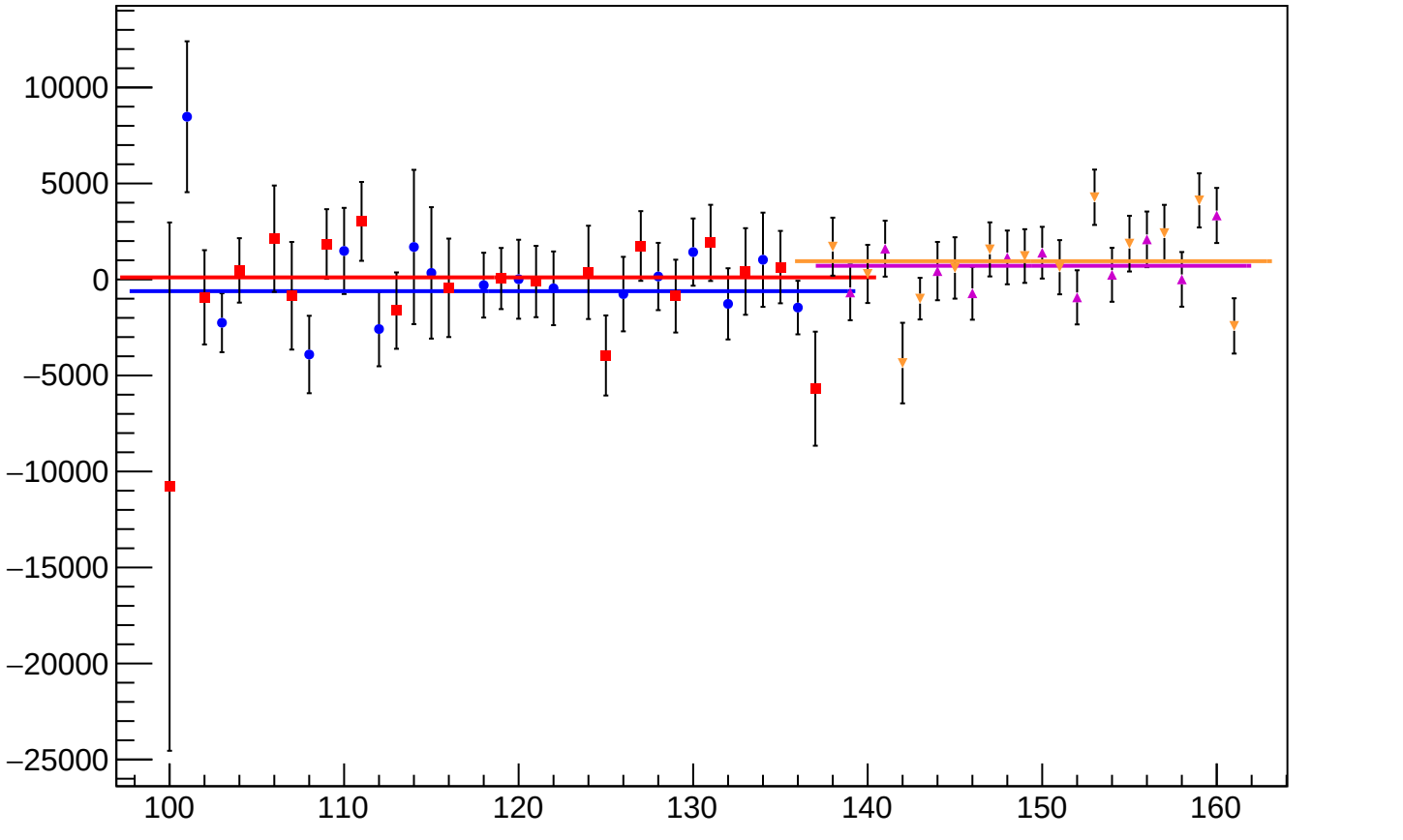
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4196.018+/-0.976 χ^2/NDF:501534.5/10

+ sign 3676.924+/-0.638 χ^2/NDF: 1644415.2/28

All: 3650.798+/-0.452 χ^2/NDF: 3524459.9/58

- sign 3624.470+/-0.640 χ^2/NDF: 1876676.0/29



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 953.079+/-399.584 χ^2/NDF:27.6/12

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

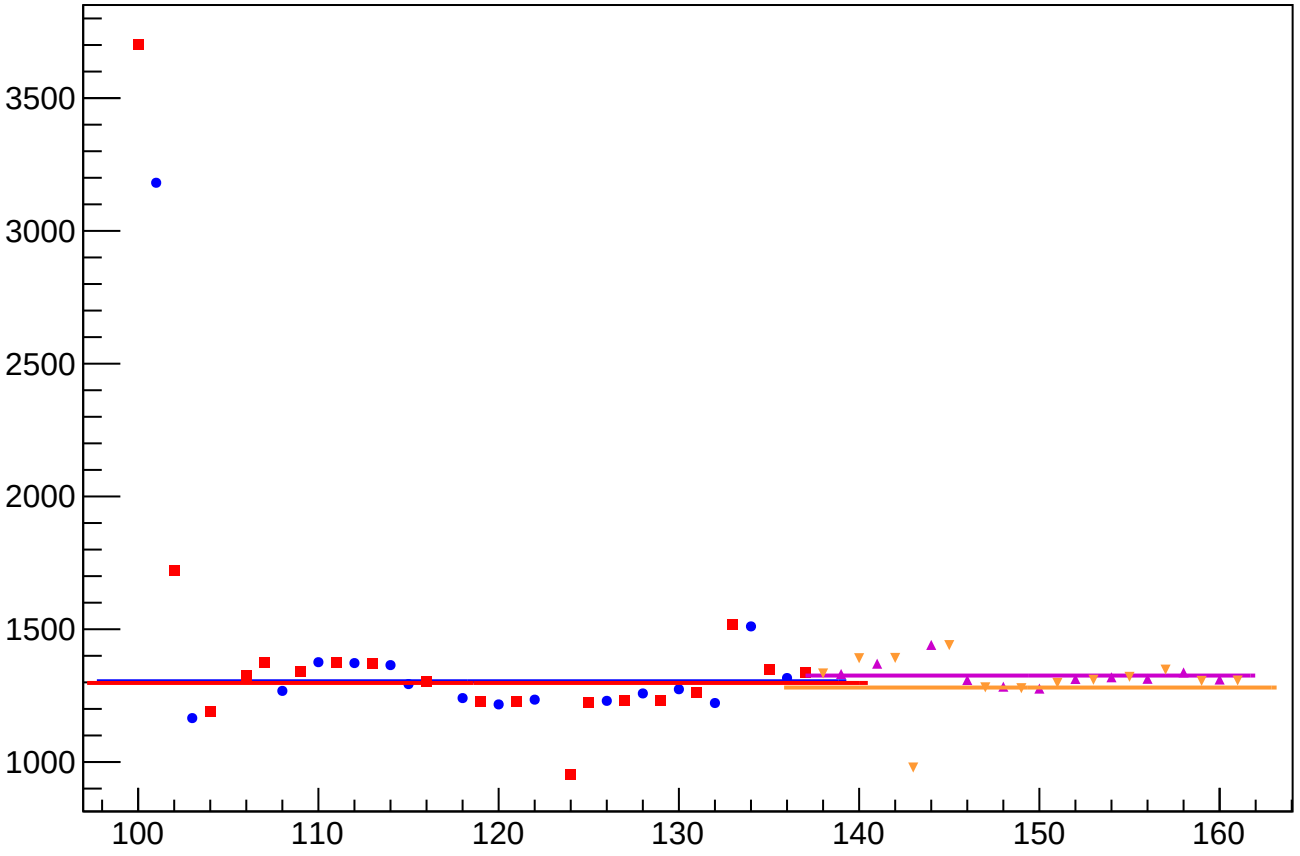
Left In: 712.706+/-428.982 χ^2/NDF:8.7/10

+ sign 336.002+/-310.718 χ^2/NDF: 47.8/28

All: 390.040+/-223.421 χ^2/NDF: 72.3/58

- sign 447.887+/-321.485 χ^2/NDF: 24.5/29

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: 1280.499+/-0.283 χ^2/NDF:201311.8/12

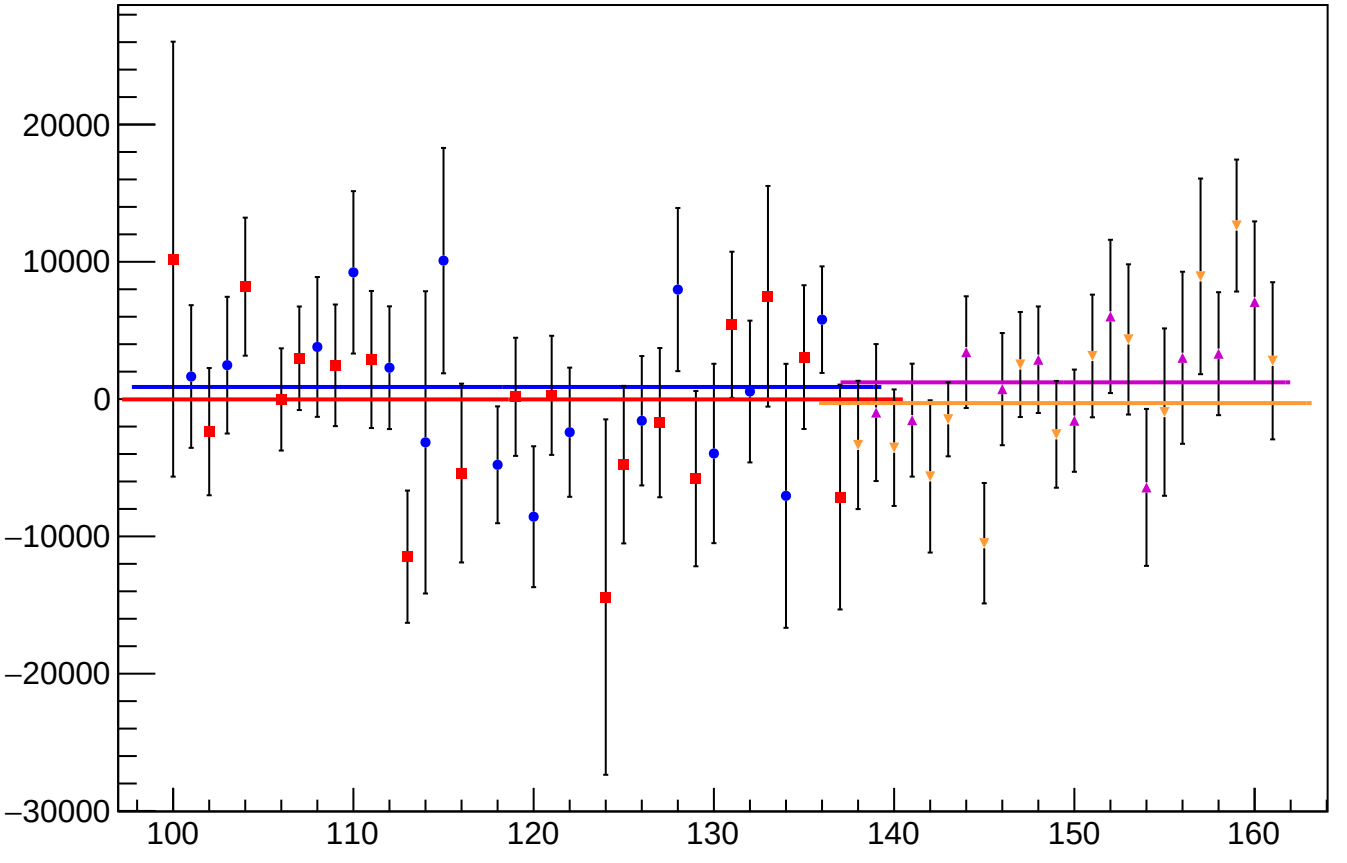
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.598+/-0.303 χ^2/NDF:18904.1/10

+ sign 1289.830+/-0.220 χ^2/NDF: 714660.1/28

All: 1301.218+/-0.158 χ^2/NDF: 955907.2/58

- sign 1313.400+/-0.227 χ^2/NDF: 235686.9/29



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -289.936+/-1229.497 χ^2/NDF:19.0/12

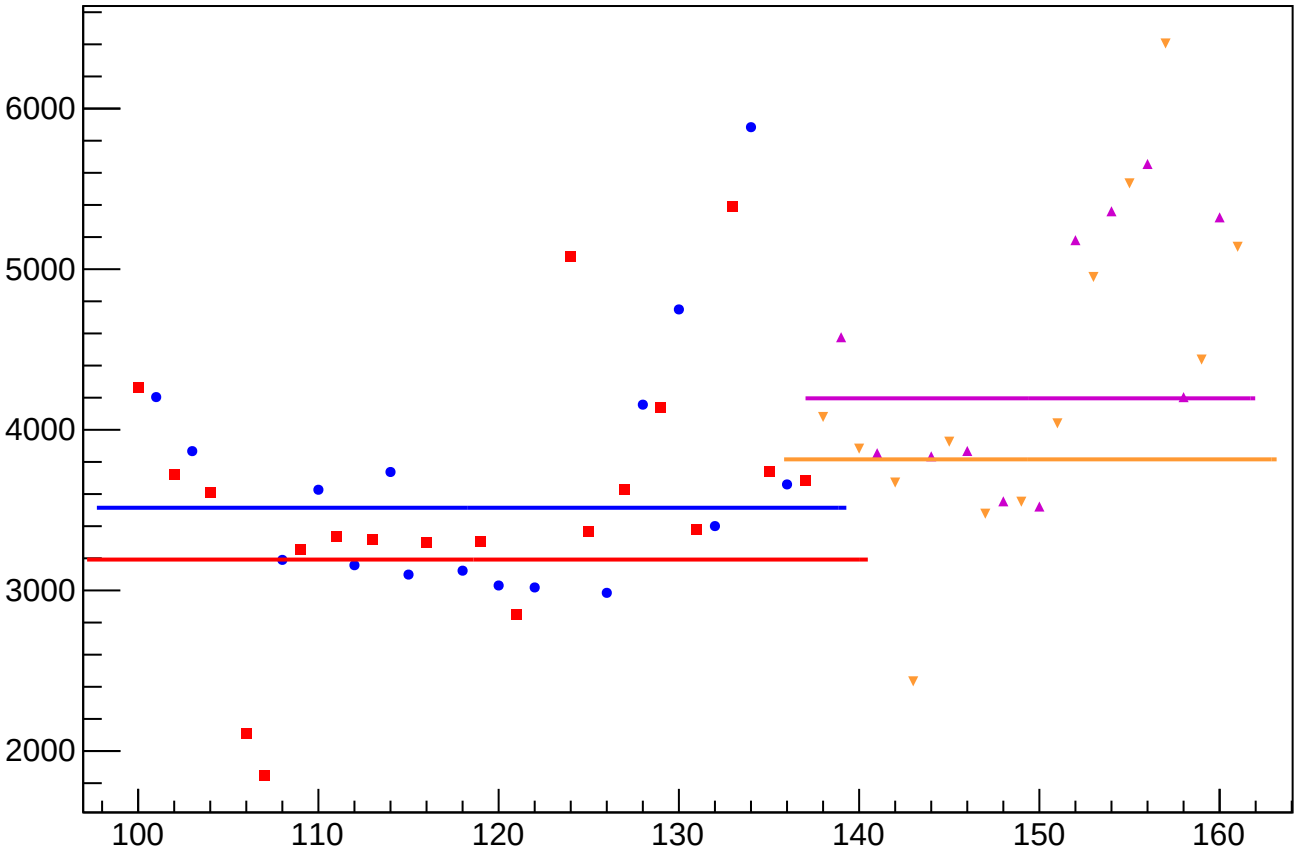
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1220.374+/-1379.869 χ^2/NDF:5.5/10

\+ sign 252.172+/-902.012 χ^2/NDF: 33.5/28

All: 382.455+/-639.046 χ^2/NDF: 56.3/58

\- sign 513.747+/-905.495 χ^2/NDF: 22.8/29



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3816.067+/-0.869 χ^2/NDF:1213868.3/12

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

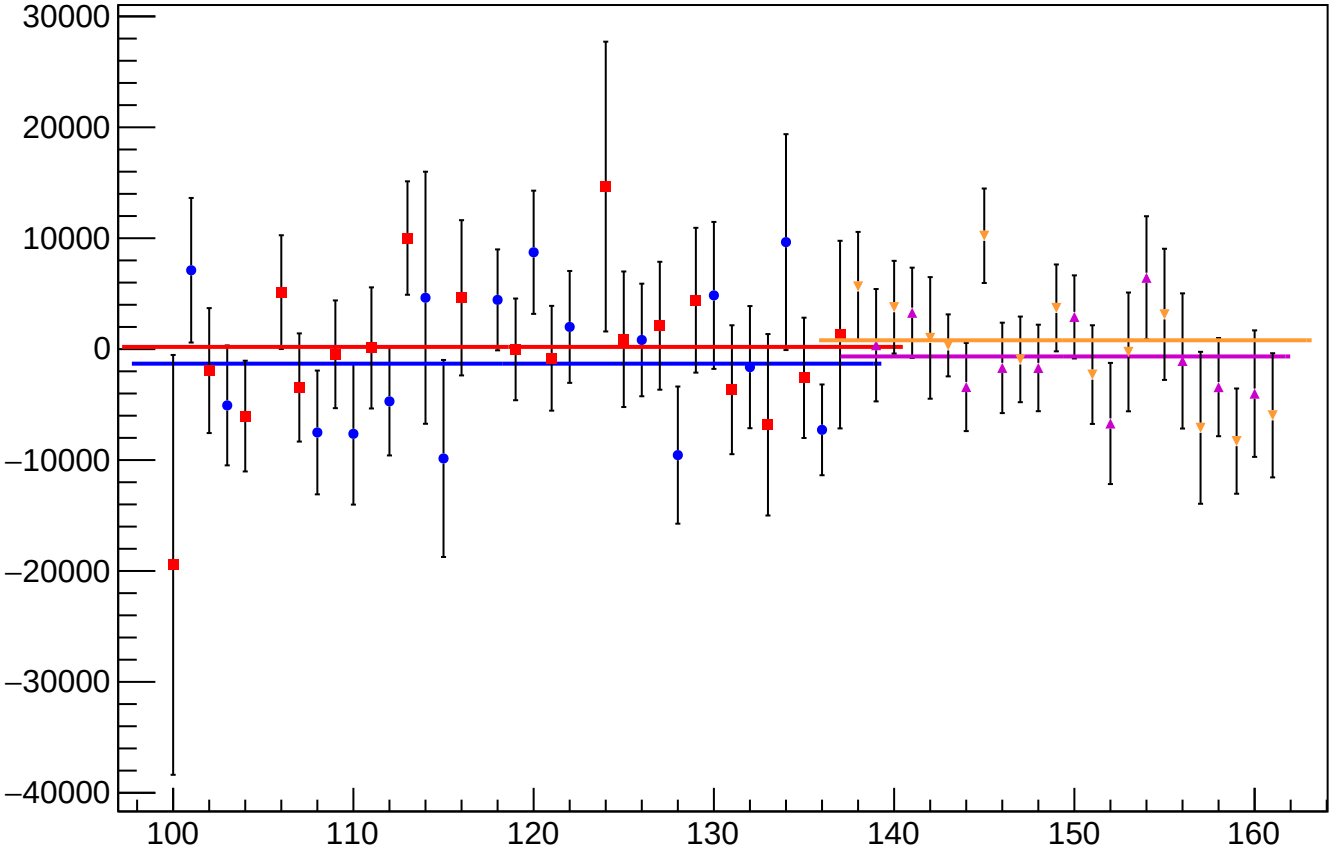
Left In: 4196.024+/-0.976 χ^2/NDF:501534.8/10

+ sign 3676.922+/-0.638 χ^2/NDF: 1644424.6/28

All: 3650.795+/-0.452 χ^2/NDF: 3524488.4/58

- sign 3624.466+/-0.640 χ^2/NDF: 1876694.8/29

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 799.201+/-1231.815 χ^2/NDF:14.3/12

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

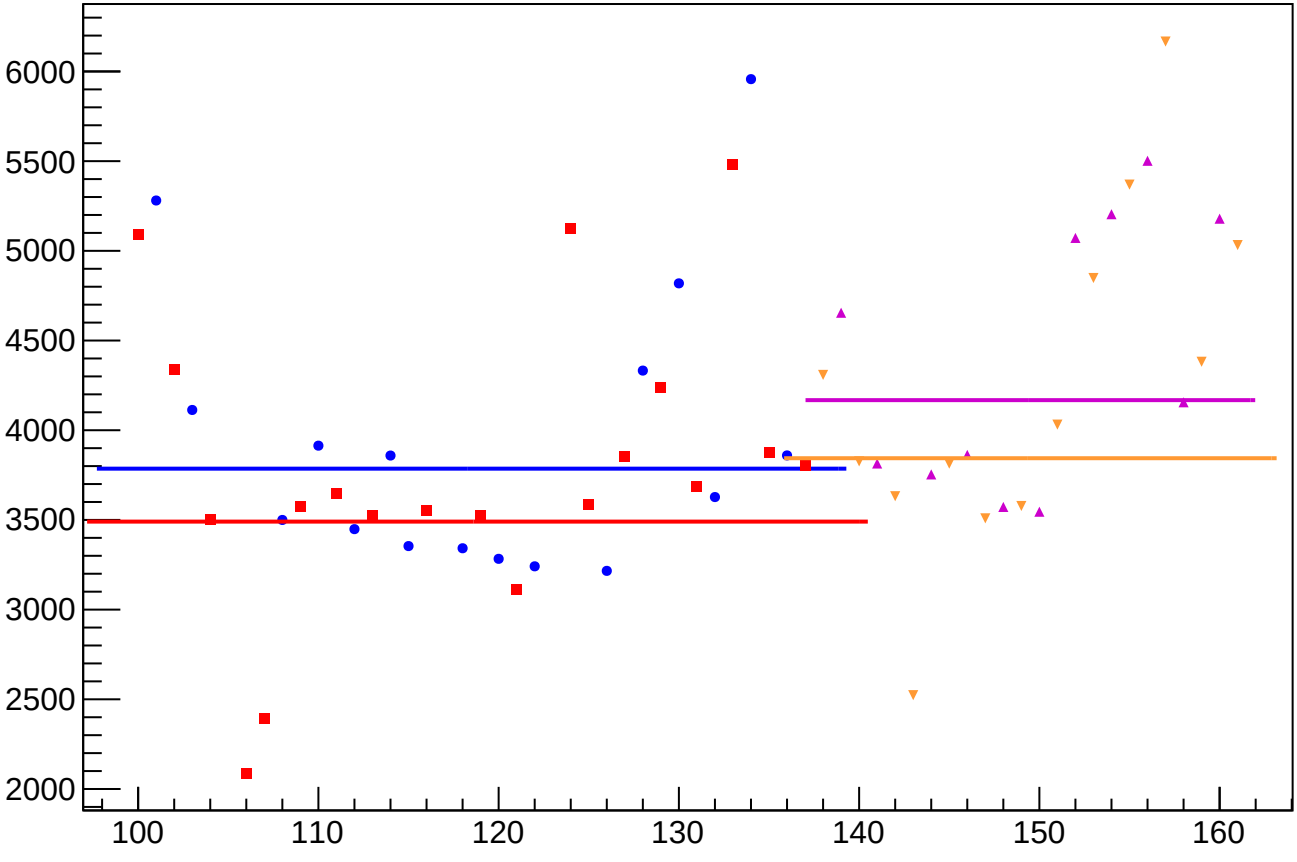
Left In: -659.186+/-1367.707 χ^2/NDF:6.1/10

+ sign -97.778+/-933.744 χ^2/NDF: 33.1/28

All: -156.843+/-667.895 χ^2/NDF: 51.1/58

- sign -218.723+/-955.730 χ^2/NDF: 17.9/29

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3843.968+/-0.871 χ^2/NDF:1044847.1/12

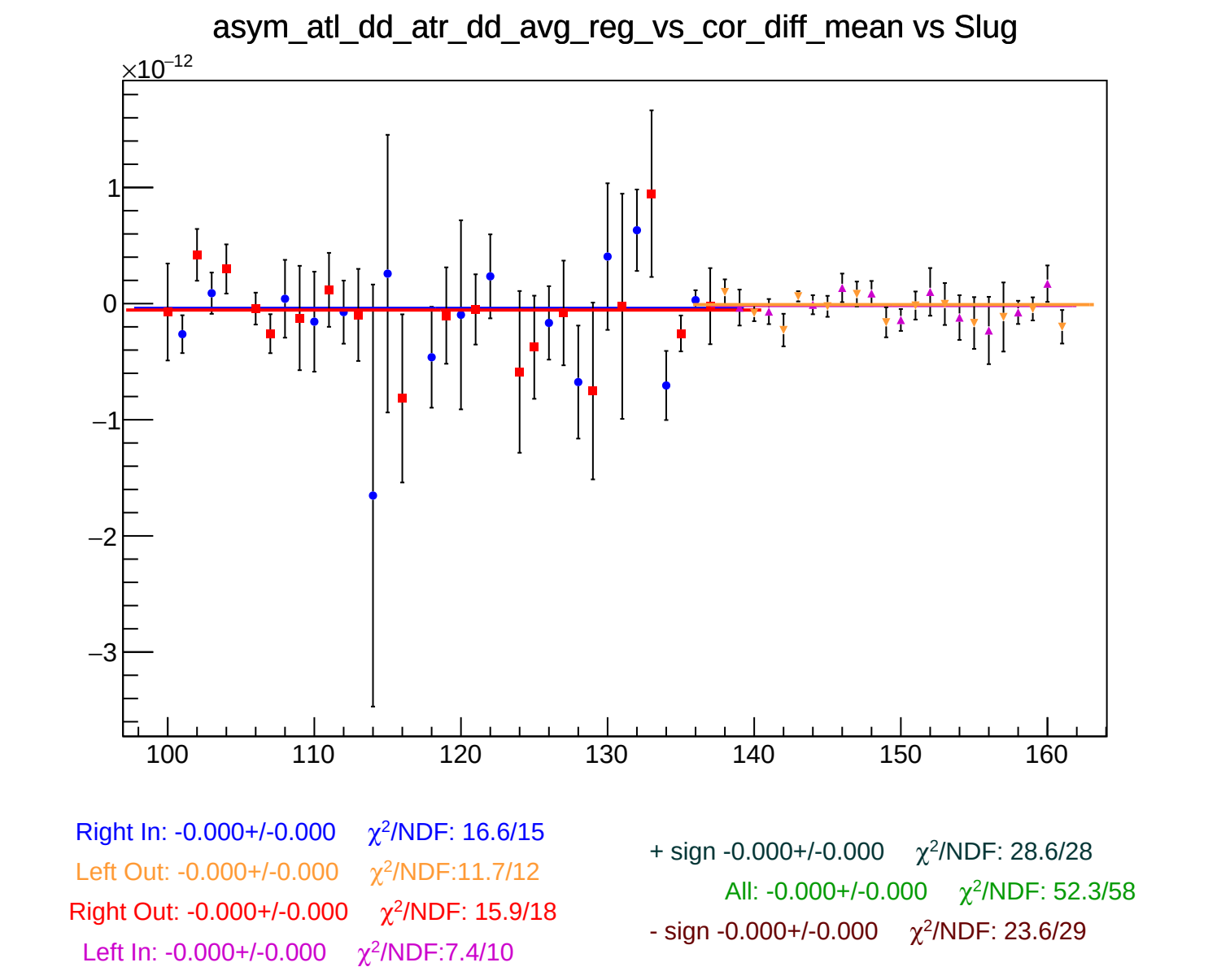
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

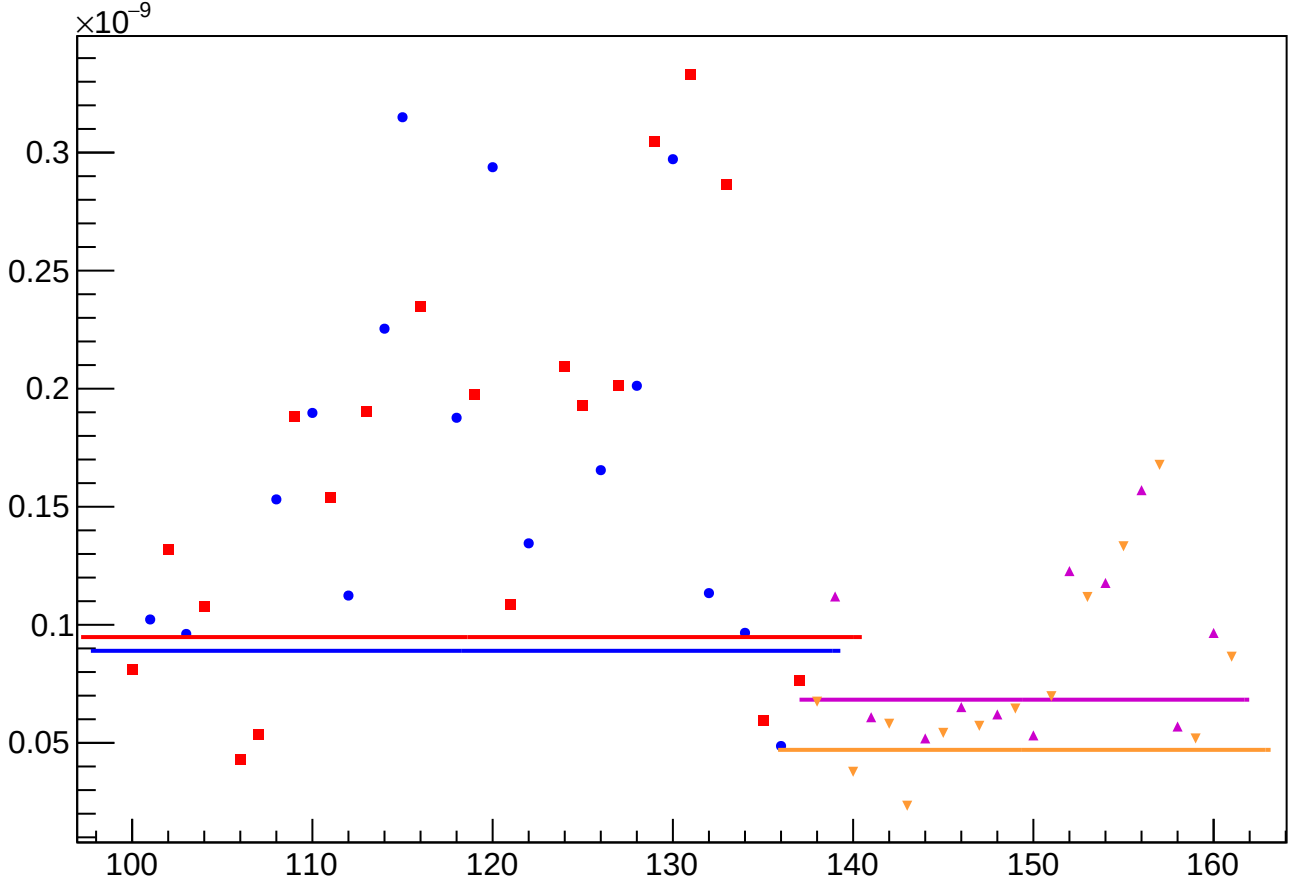
Left In: 4167.729+/-0.967 χ^2/NDF:451630.3/10

\+ sign 3819.212+/-0.660 χ^2/NDF: 1429738.8/28

All: 3817.929+/-0.471 χ^2/NDF: 2722287.6/58

\- sign 3816.605+/-0.671 χ^2/NDF: 1292541.1/29


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:11.7/12
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:7.4/10
+ sign -0.000+/-0.000 χ²/NDF: 28.6/28
All: -0.000+/-0.000 χ²/NDF: 52.3/58
- sign -0.000+/-0.000 χ²/NDF: 23.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1873666.5/12

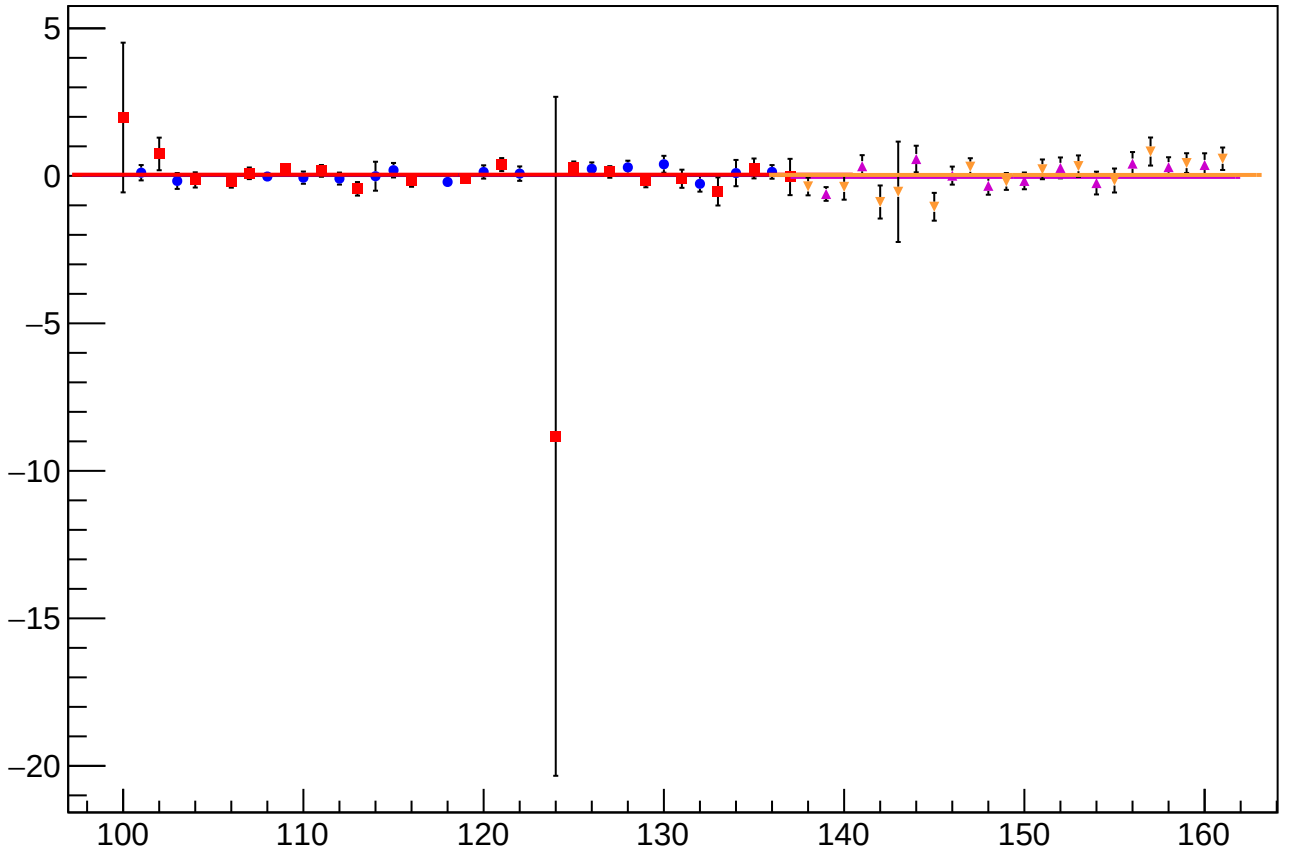
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:859505.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 4173240.7/28

All: 0.000+/-0.000 χ^2/NDF: 7558372.6/58

- sign 0.000+/-0.000 χ^2/NDF: 2852886.1/29



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

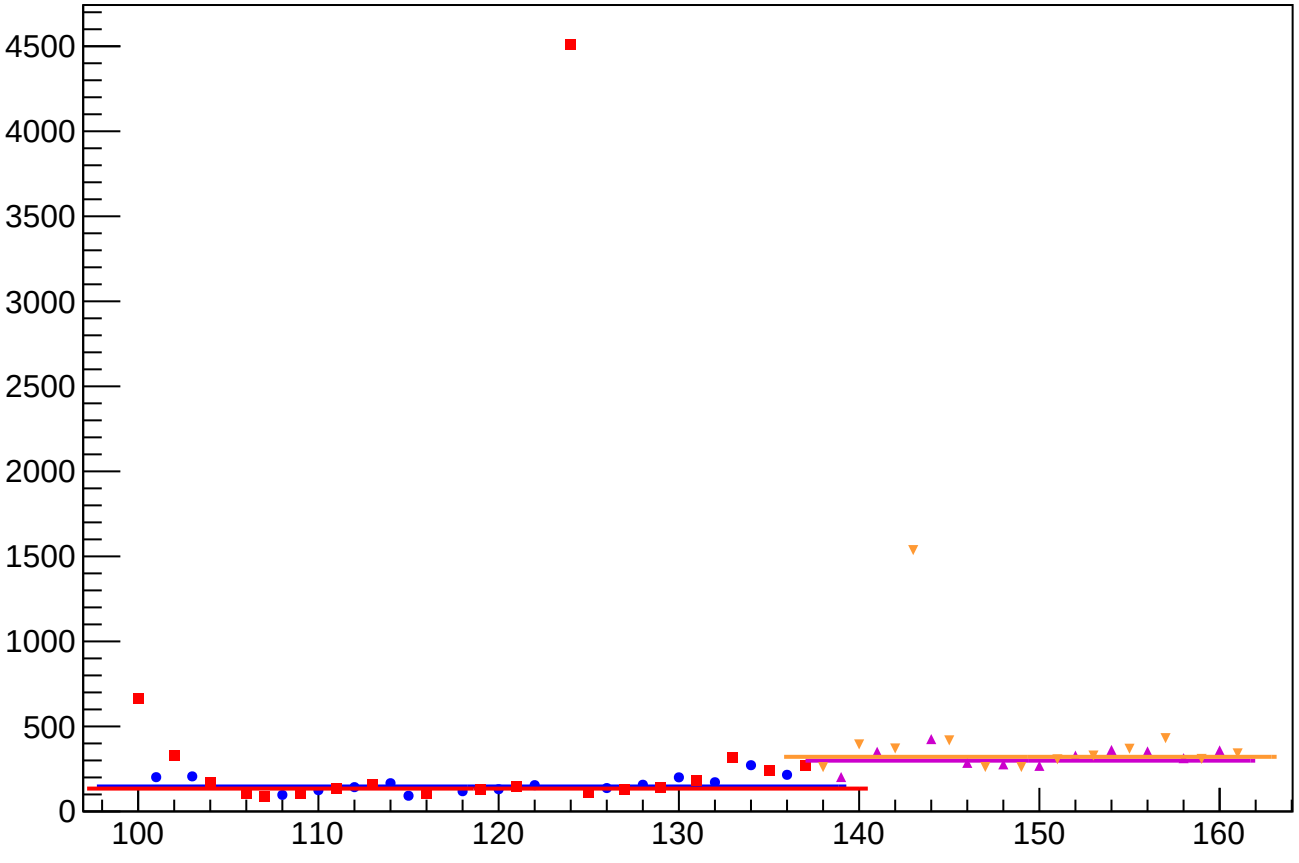
Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.029+/-0.051 χ^2/NDF: 29.1/28

All: 0.025+/-0.035 χ^2/NDF: 64.0/58

- sign 0.022+/-0.048 χ^2/NDF: 35.0/29

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: 321.299+/-0.074 χ^2/NDF:1579950.4/12

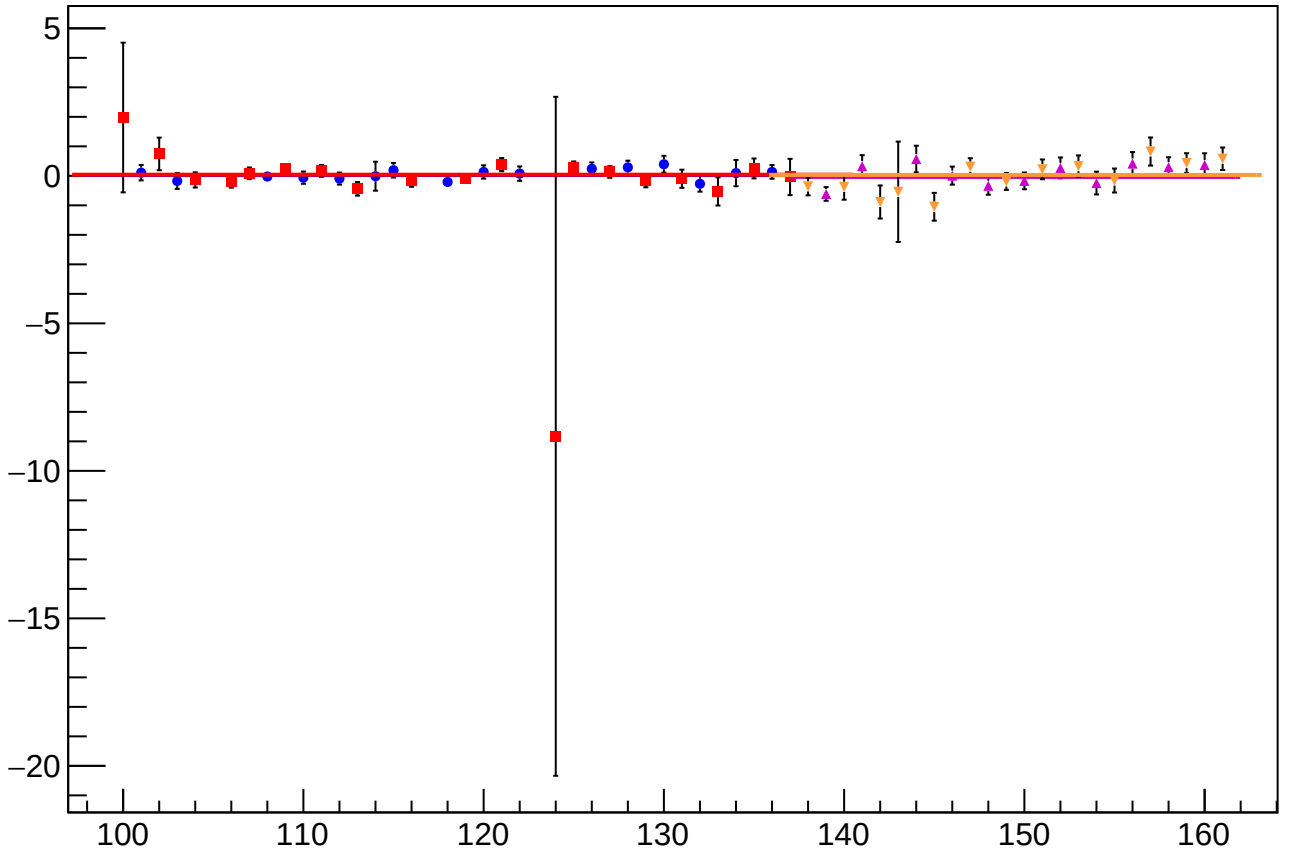
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

+ sign 187.530+/-0.036 χ^2/NDF: 6844121.9/28

All: 179.740+/-0.025 χ^2/NDF: 13456311.0/58

- sign 172.714+/-0.034 χ^2/NDF: 6521770.3/29



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.031+/-0.105 χ^2/NDF:19.6/12

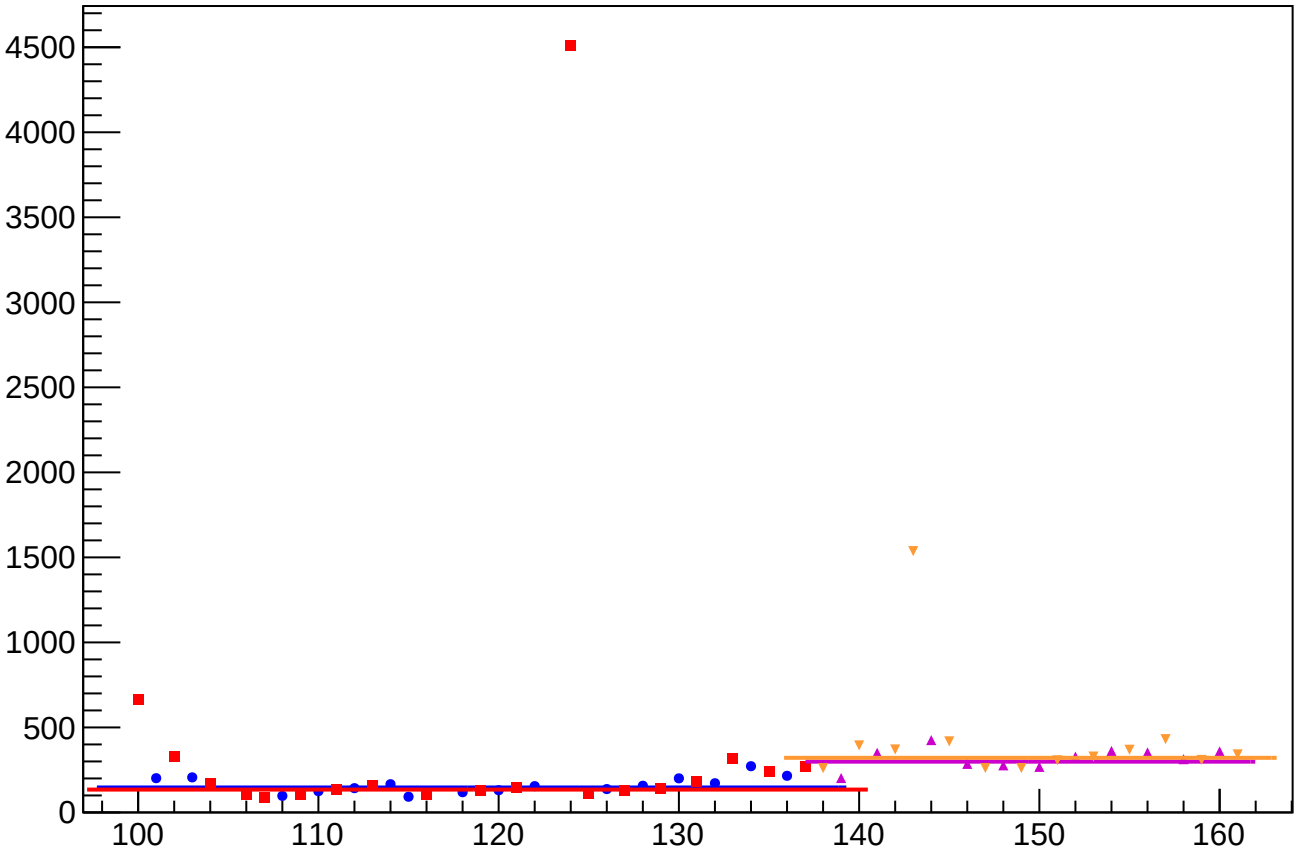
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.029+/-0.051 χ^2/NDF: 29.1/28

All: 0.025+/-0.035 χ^2/NDF: 64.0/58

- sign 0.022+/-0.048 χ^2/NDF: 35.0/29



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.299+/-0.074 χ^2/NDF:1579950.4/12

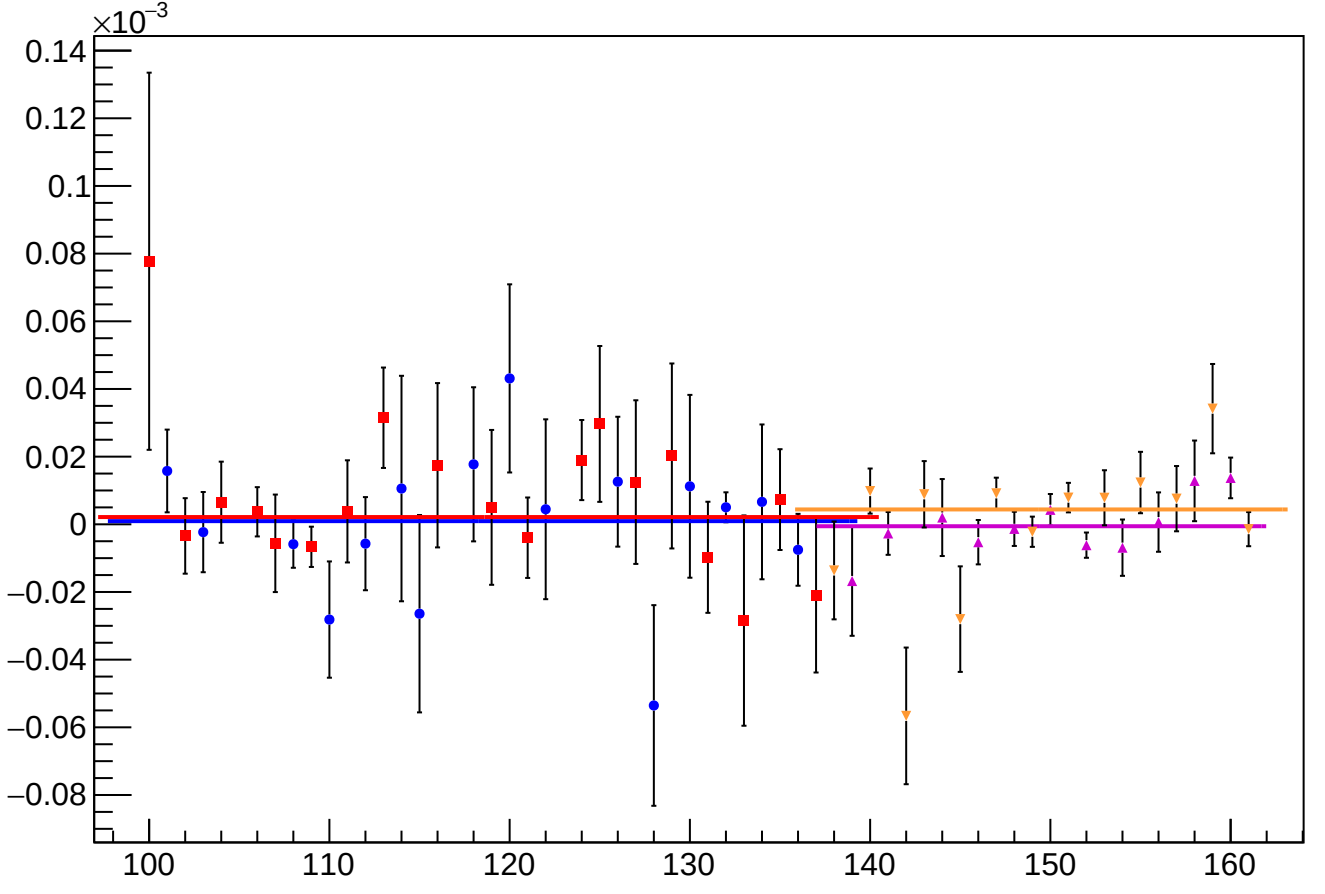
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

+ sign 187.530+/-0.036 χ^2/NDF: 6844121.9/28

All: 179.740+/-0.025 χ^2/NDF: 13456311.0/58

- sign 172.714+/-0.034 χ^2/NDF: 6521770.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/12

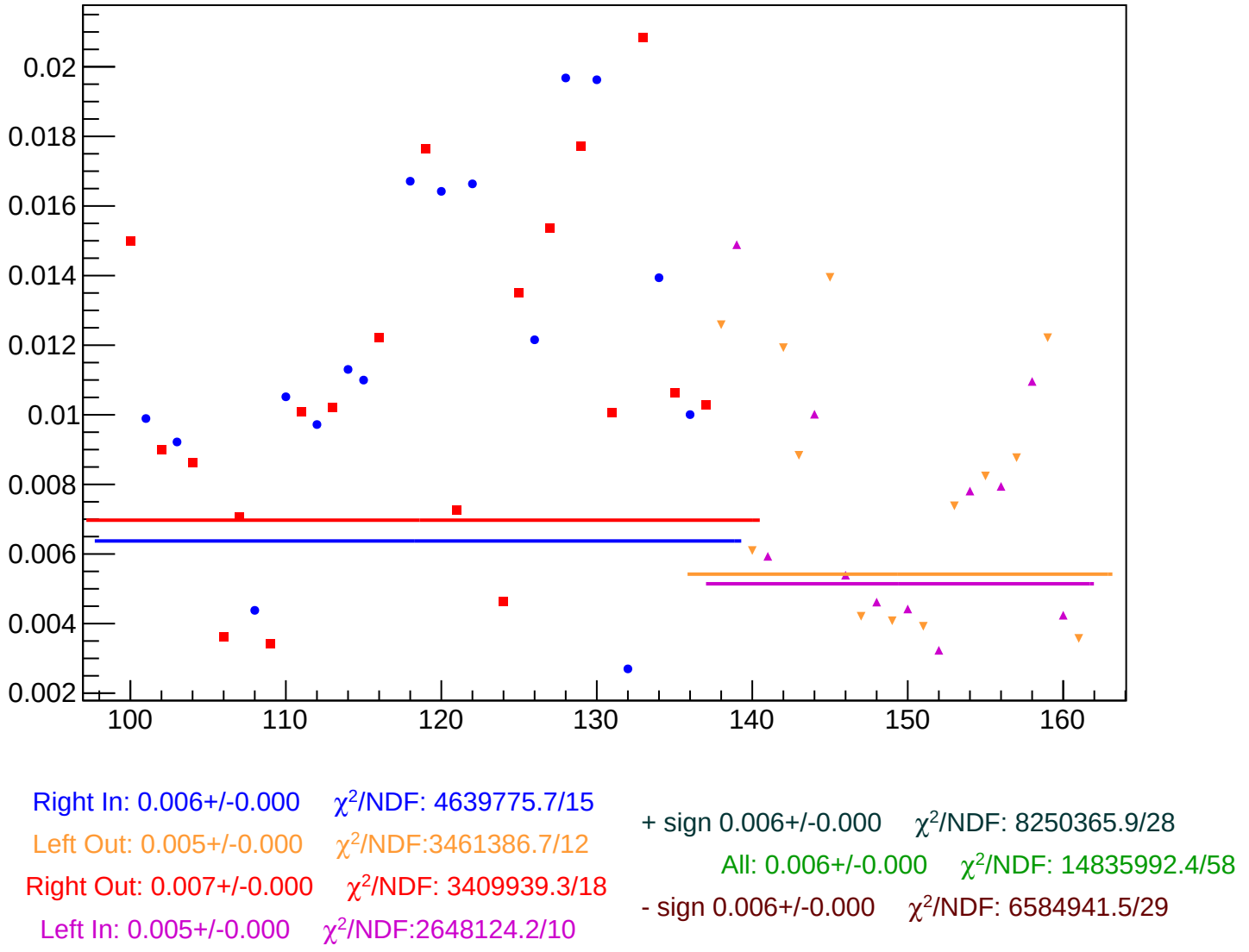
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

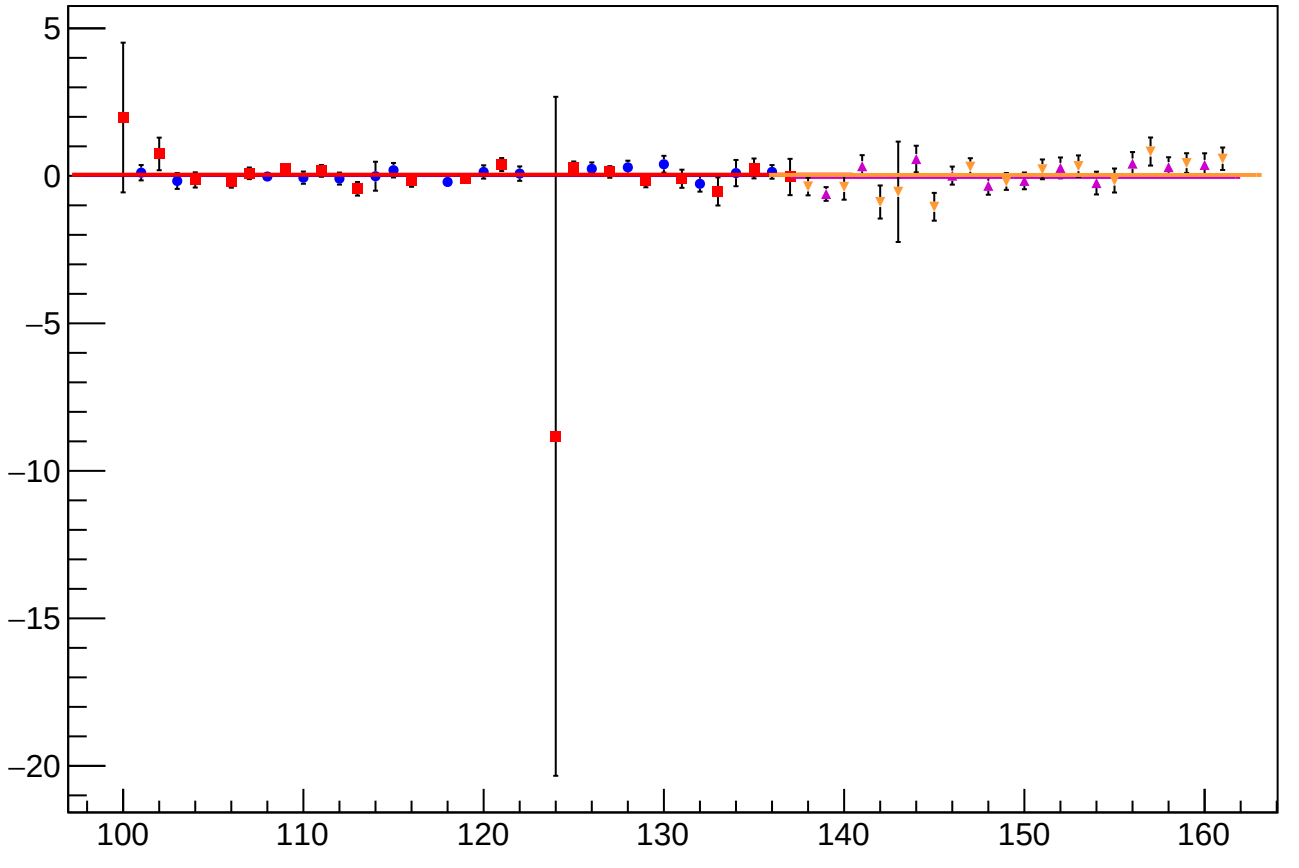
Left In: -0.000+/-0.000 χ^2/NDF:12.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 43.1/28

All: 0.000+/-0.000 χ^2/NDF: 74.2/58

- sign 0.000+/-0.000 χ^2/NDF: 29.2/29


asym_atl_dd_atr_dd_avg_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
Right In: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.005+/-0.000 χ²/NDF:3461386.7/12
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.005+/-0.000 χ²/NDF:2648124.2/10
+ sign 0.006+/-0.000 χ²/NDF: 8250365.9/28
All: 0.006+/-0.000 χ²/NDF: 14835992.4/58
- sign 0.006+/-0.000 χ²/NDF: 6584941.5/29



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

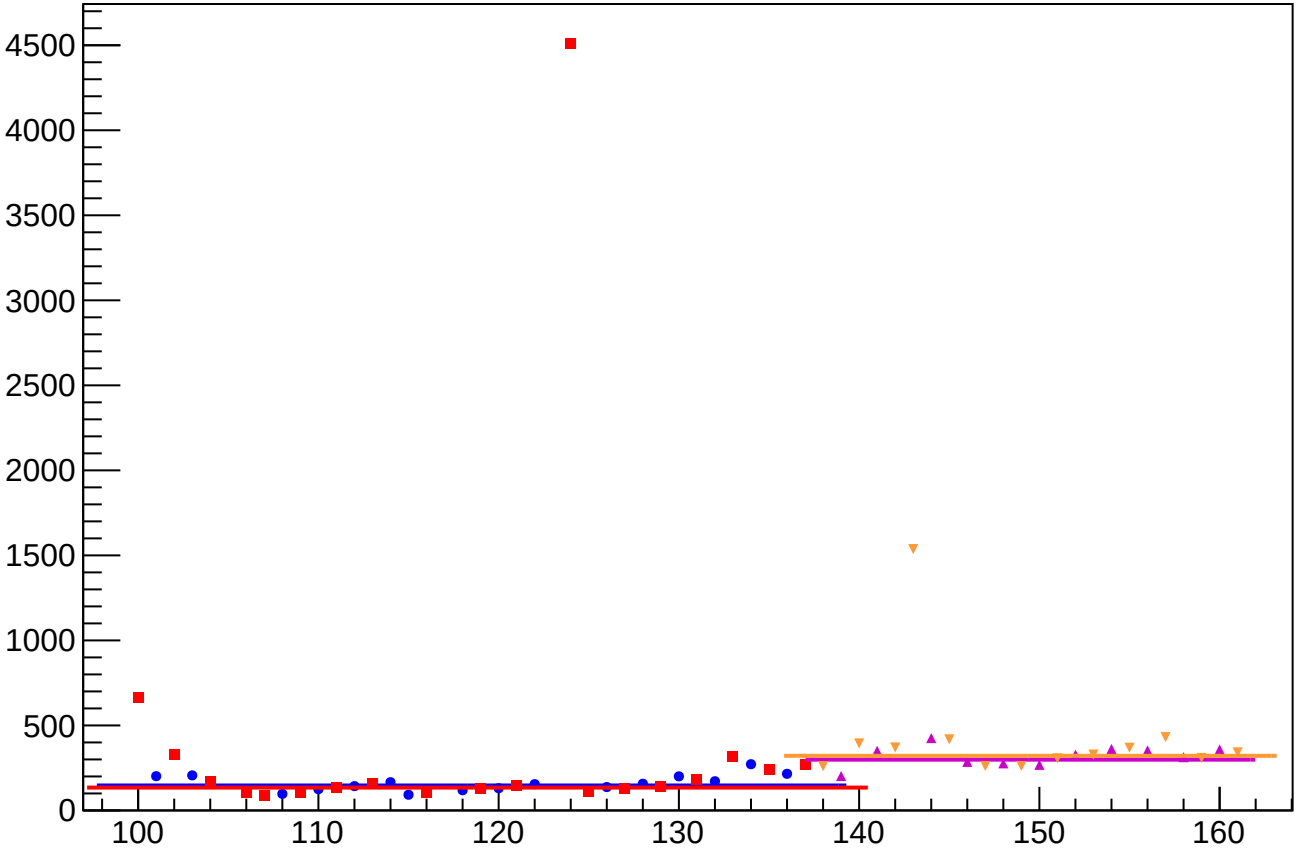
Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.029+/-0.051 χ^2/NDF: 29.1/28

All: 0.025+/-0.035 χ^2/NDF: 64.0/58

- sign 0.022+/-0.048 χ^2/NDF: 35.0/29

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.303+/-0.074 χ^2/NDF:1579953.2/12

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

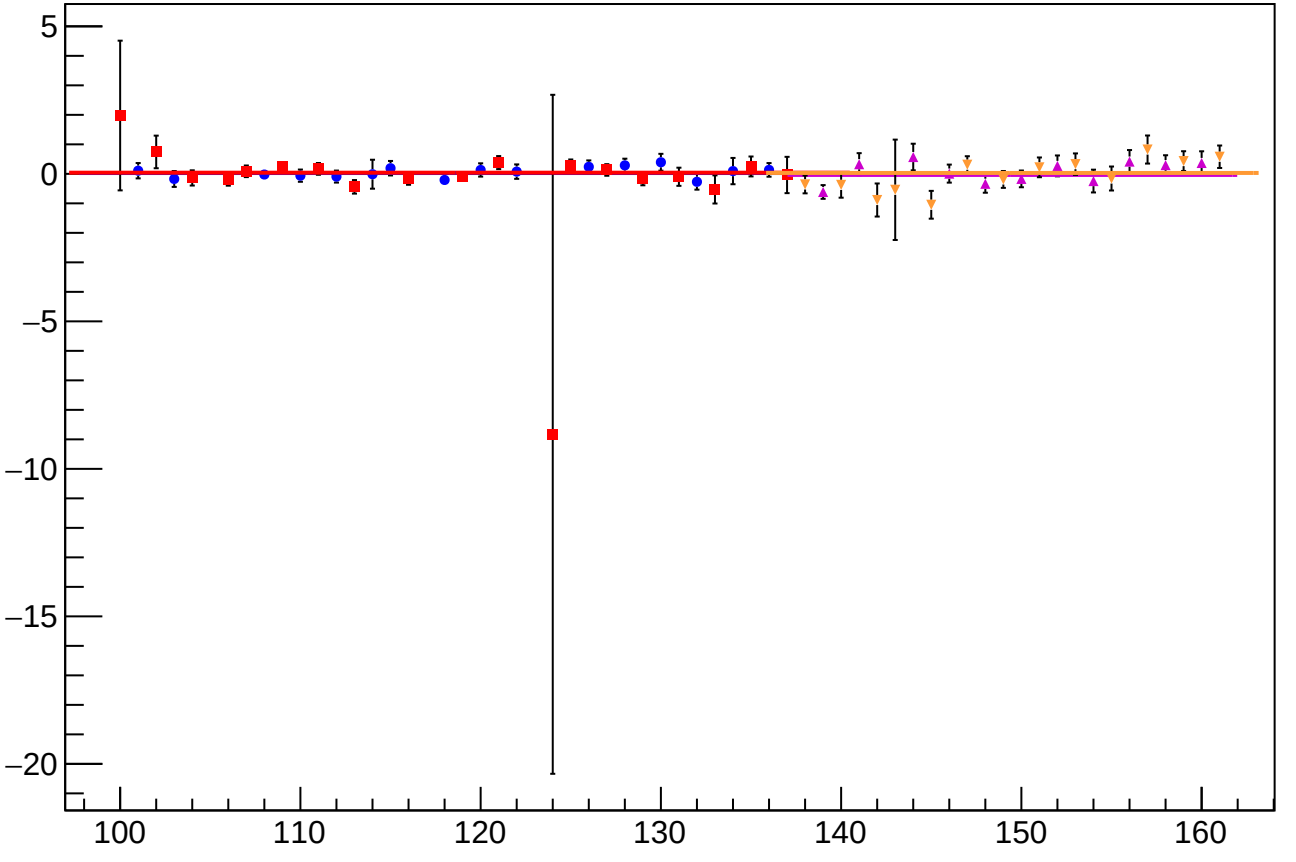
Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

+ sign 187.530+/-0.036 χ^2/NDF: 6844182.6/28

All: 179.741+/-0.025 χ^2/NDF: 13456304.9/58

- sign 172.715+/-0.034 χ^2/NDF: 6521723.3/29

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: 0.031+/-0.105 χ^2/NDF:19.6/12

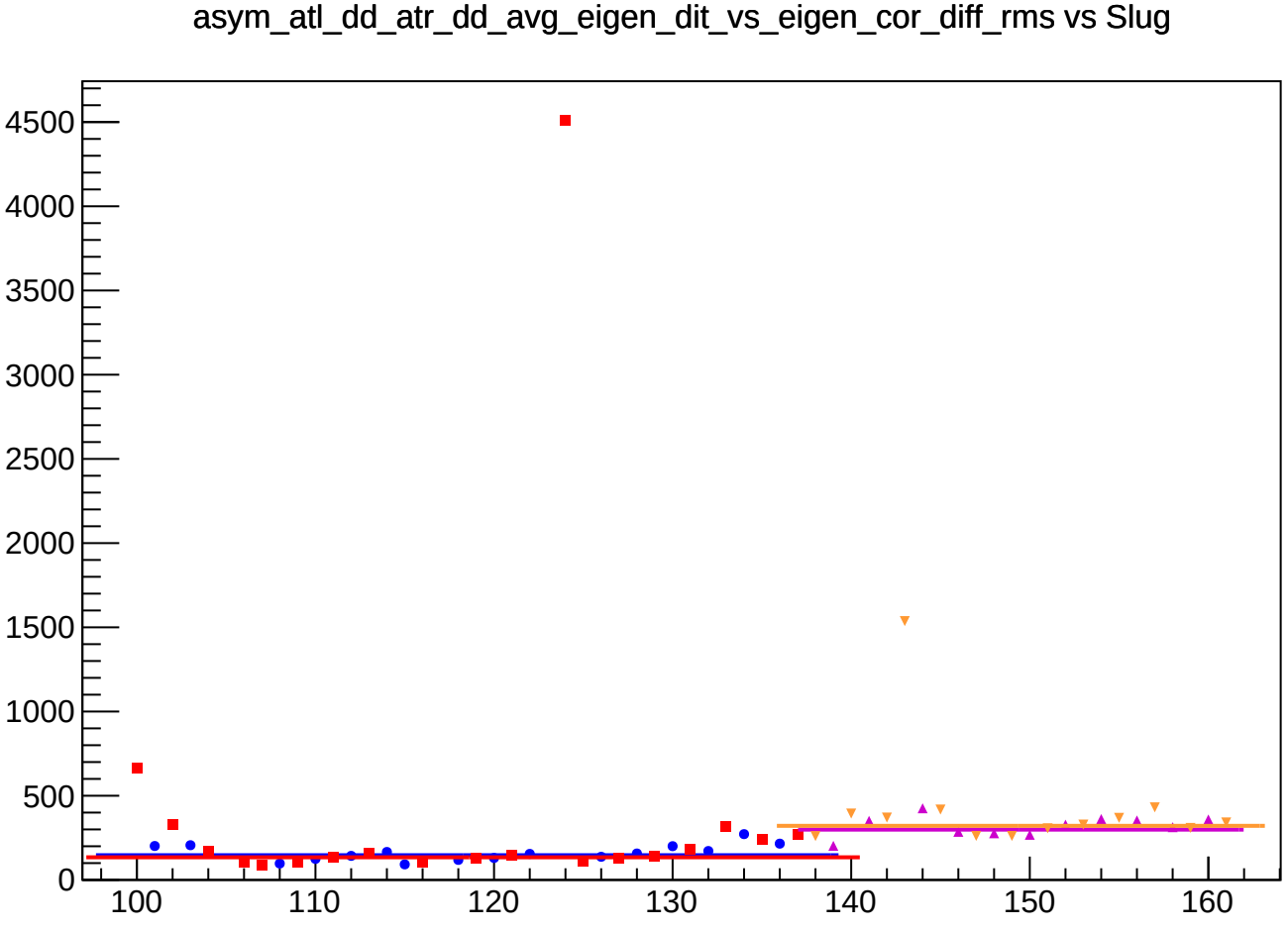
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

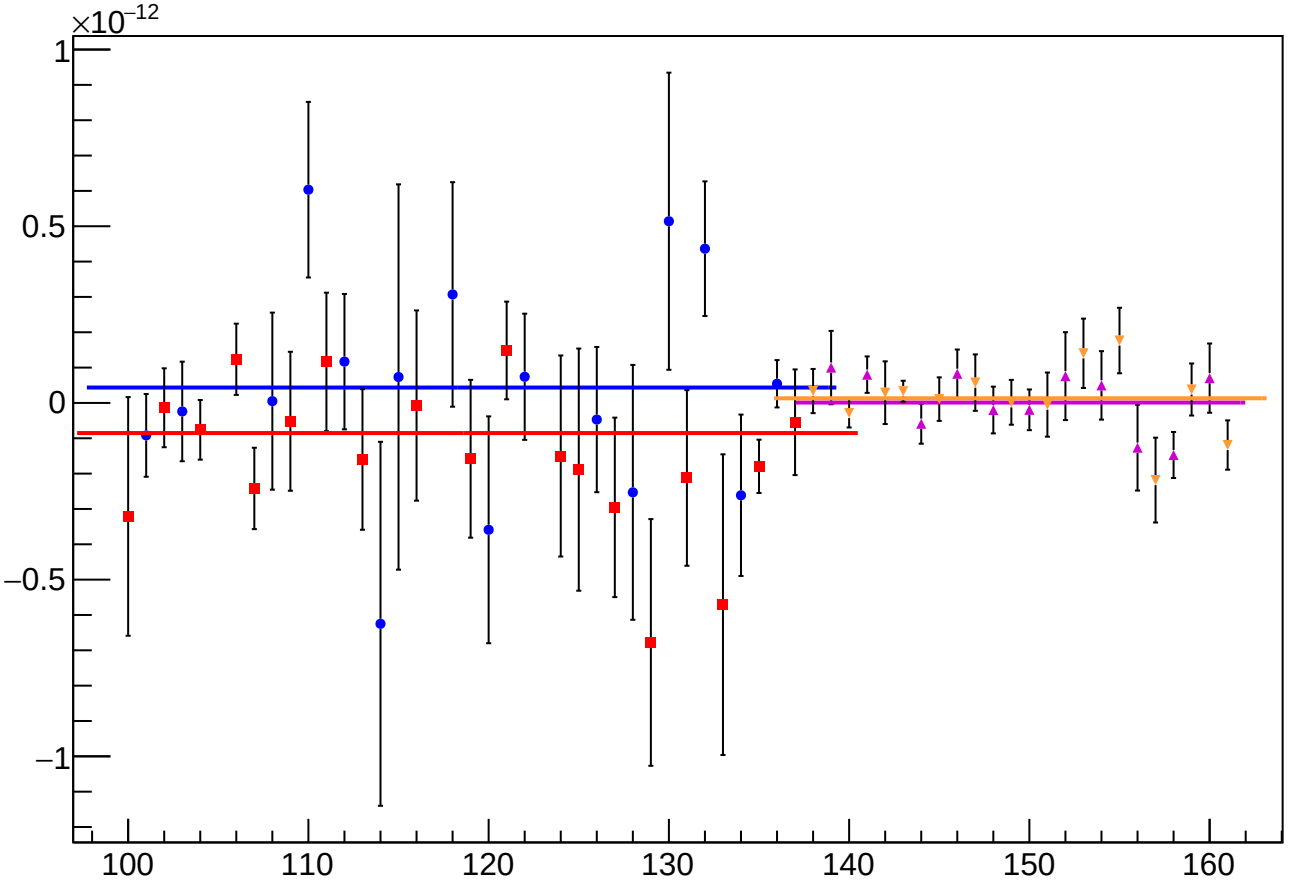
Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.029+/-0.051 χ^2/NDF: 29.1/28

All: 0.025+/-0.035 χ^2/NDF: 64.0/58

- sign 0.022+/-0.048 χ^2/NDF: 35.0/29


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
Right In: 146.829+/-0.041 χ²/NDF: 998646.8/15
Left Out: 321.303+/-0.074 χ²/NDF:1579953.2/12
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 298.748+/-0.070 χ²/NDF:732753.4/10
+ sign 187.530+/-0.036 χ²/NDF: 6844182.6/28
All: 179.741+/-0.025 χ²/NDF: 13456304.9/58
- sign 172.715+/-0.034 χ²/NDF: 6521723.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/12

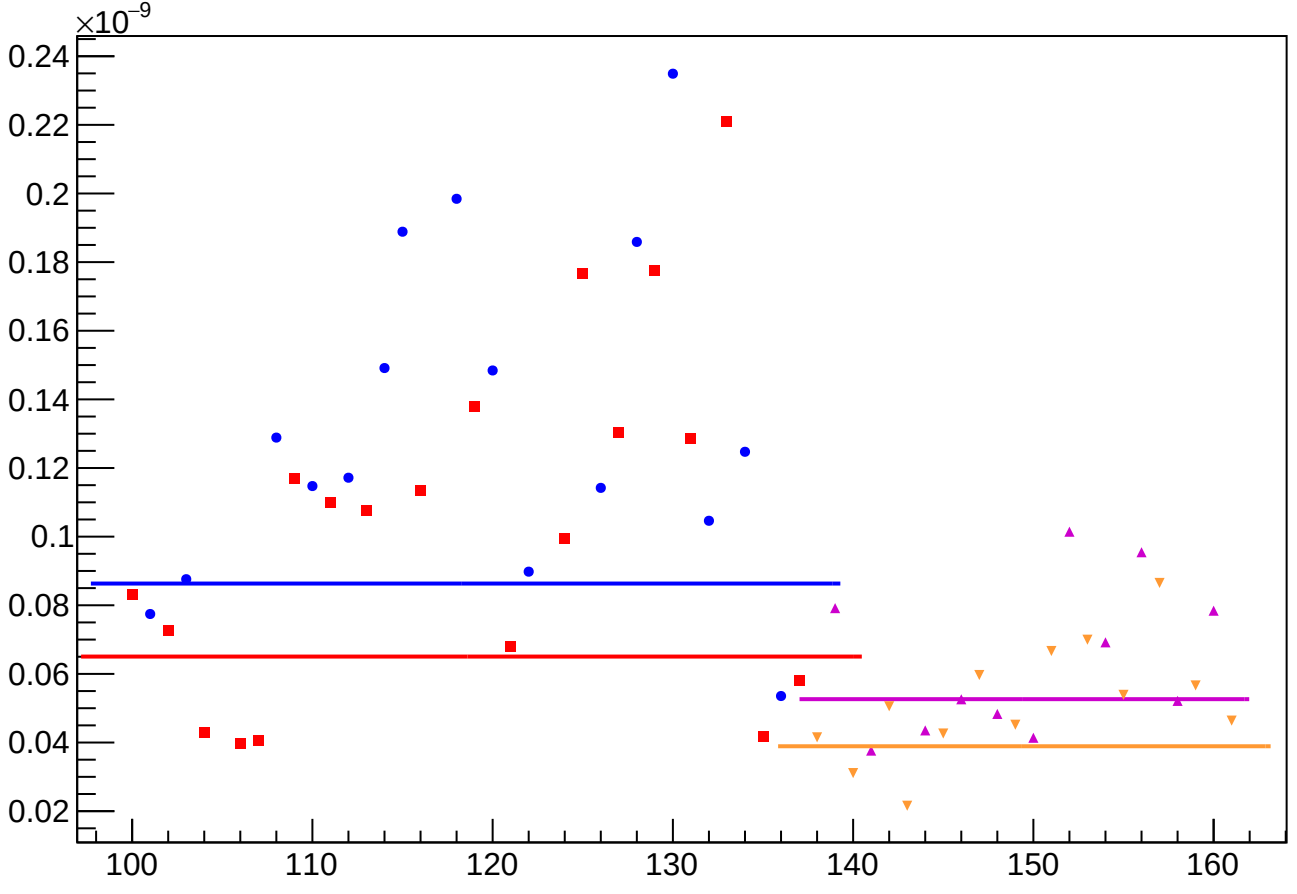
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 33.6/28

All: 0.000+/-0.000 χ^2/NDF: 72.7/58

- sign -0.000+/-0.000 χ^2/NDF: 36.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1849570.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

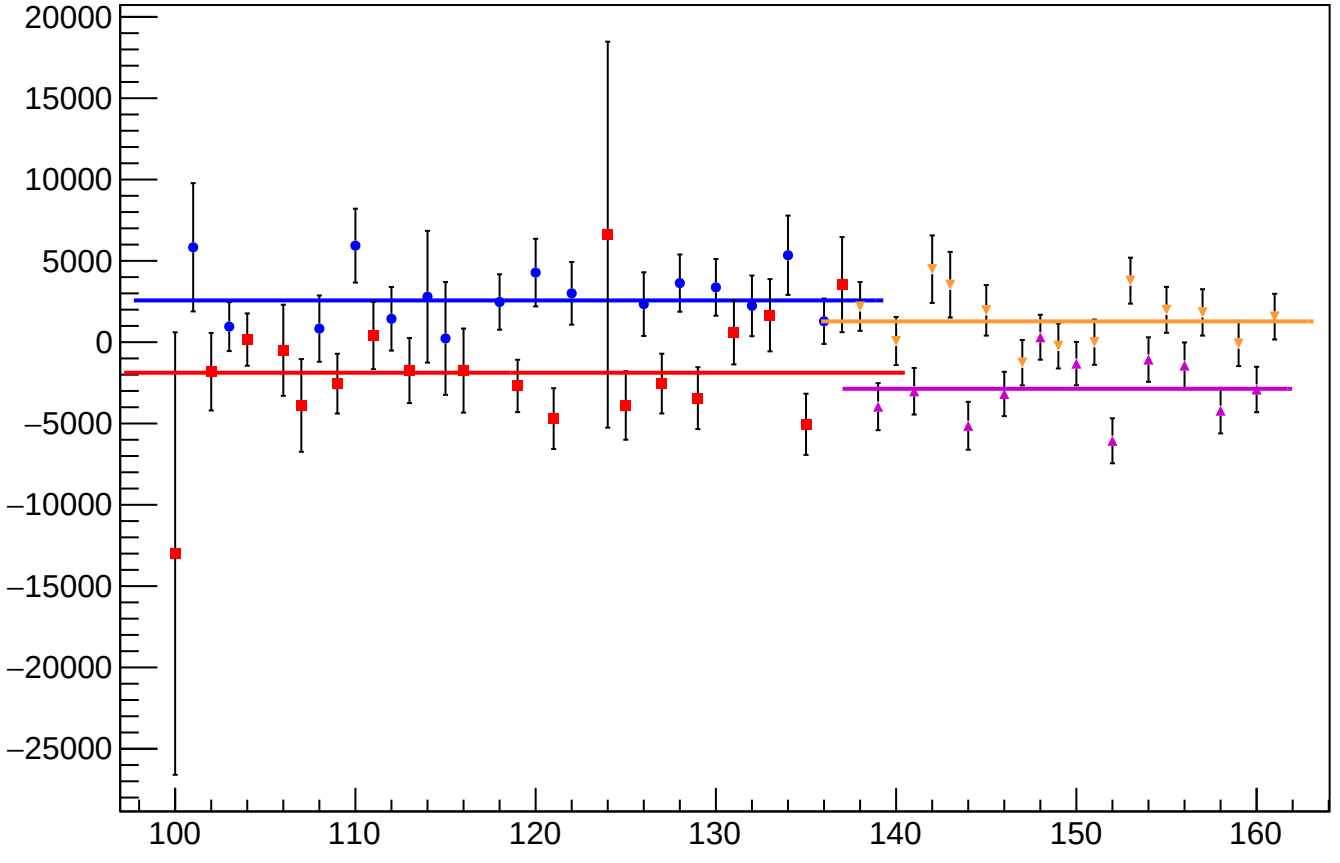
Left In: 0.000+/-0.000 χ^2/NDF:1189787.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 5551204.7/28

All: 0.000+/-0.000 χ^2/NDF: 9506359.0/58

- sign 0.000+/-0.000 χ^2/NDF: 3535713.4/29

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1279.357+/-412.783 χ^2/NDF:14.8/12

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

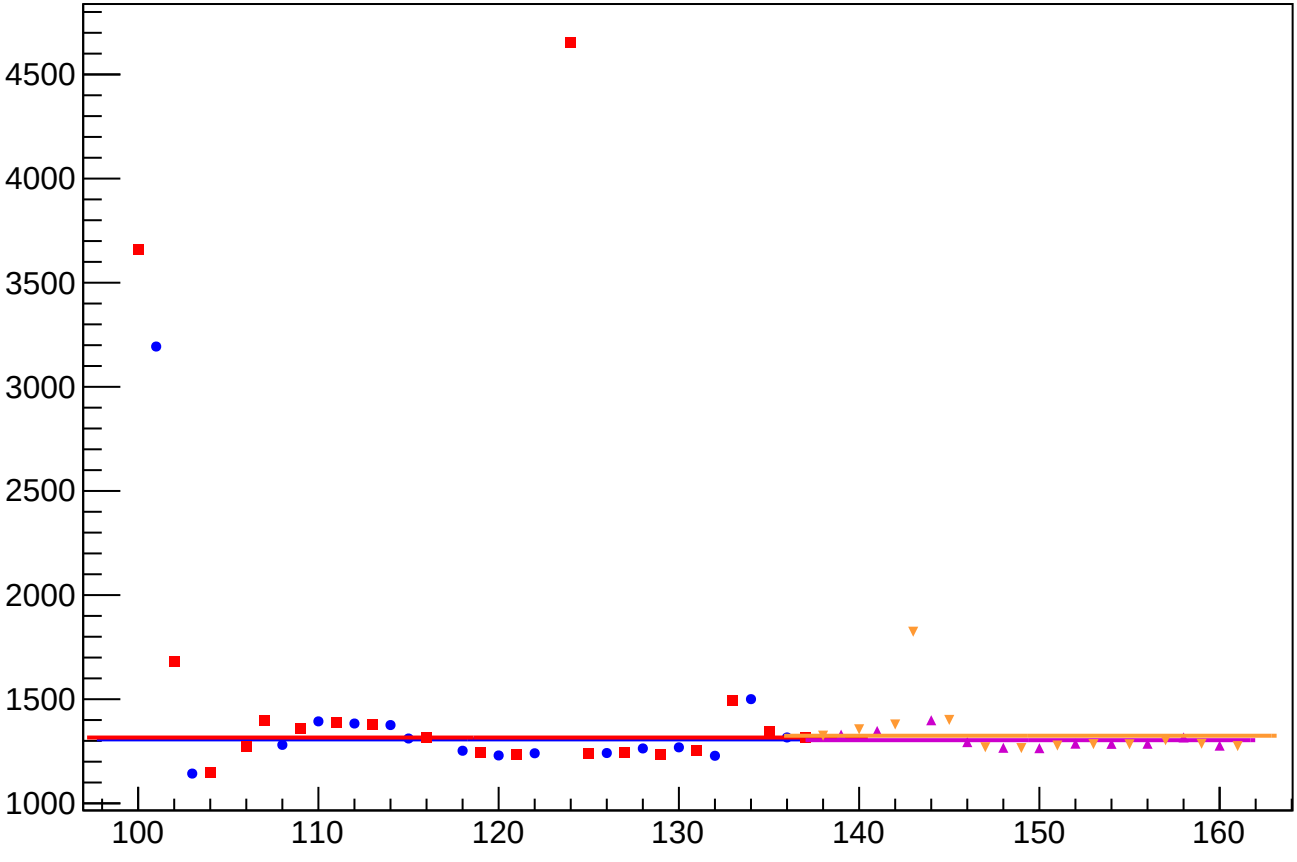
Left In: -2866.009+/-421.720 χ^2/NDF:18.6/10

+ sign 1807.238+/-317.115 χ^2/NDF: 27.8/28

All: -295.985+/-225.574 χ^2/NDF: 157.4/58

- sign -2450.220+/-320.938 χ^2/NDF: 40.5/29

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1324.640+/-0.292 χ^2/NDF:146355.4/12

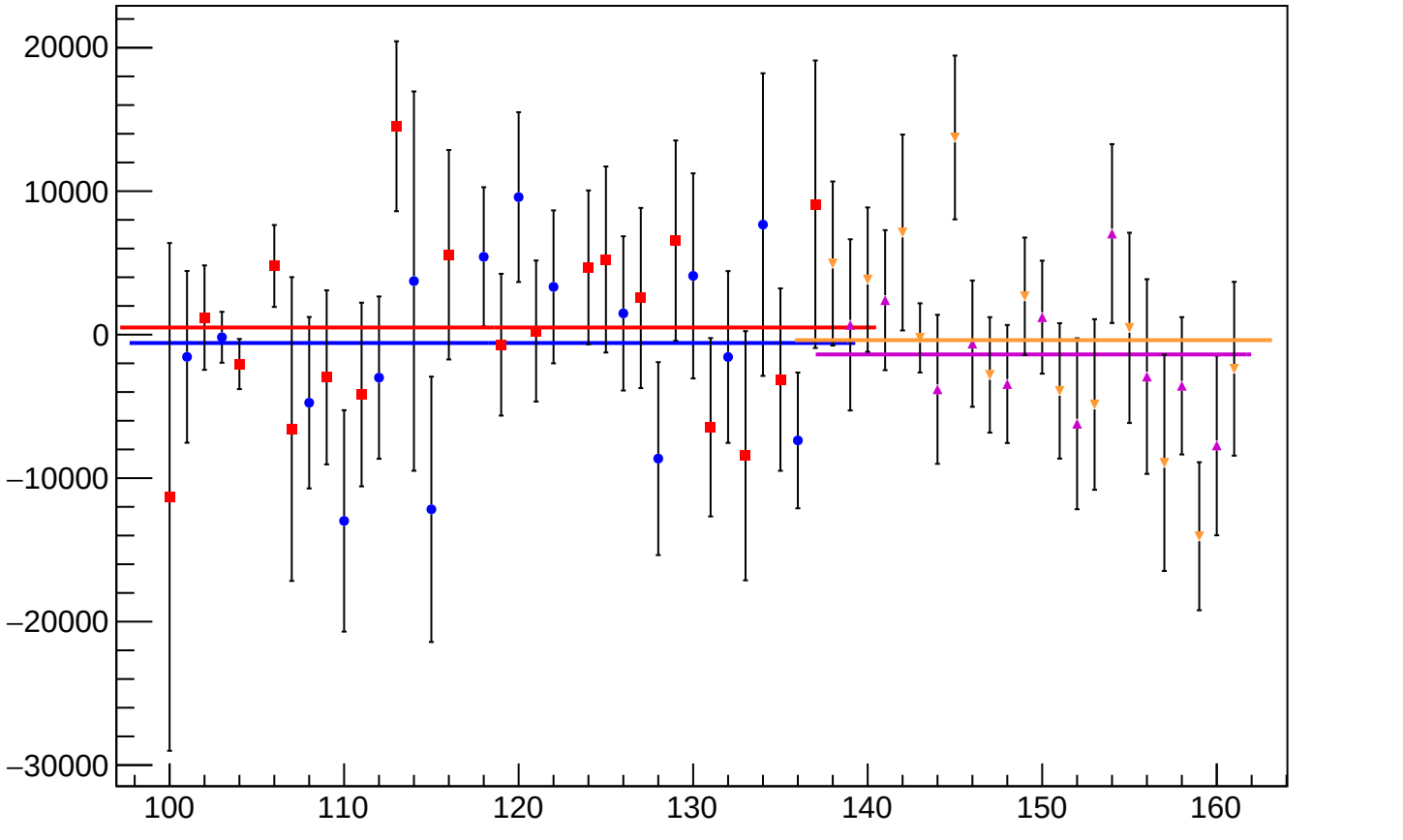
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1303.251+/-0.298 χ^2/NDF:15935.5/10

+ sign 1317.439+/-0.224 χ^2/NDF: 664089.7/28

All: 1313.084+/-0.159 χ^2/NDF: 1007979.4/58

- sign 1308.633+/-0.227 χ^2/NDF: 343126.9/29



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -382.662+/-1297.342 χ^2/NDF:19.4/12

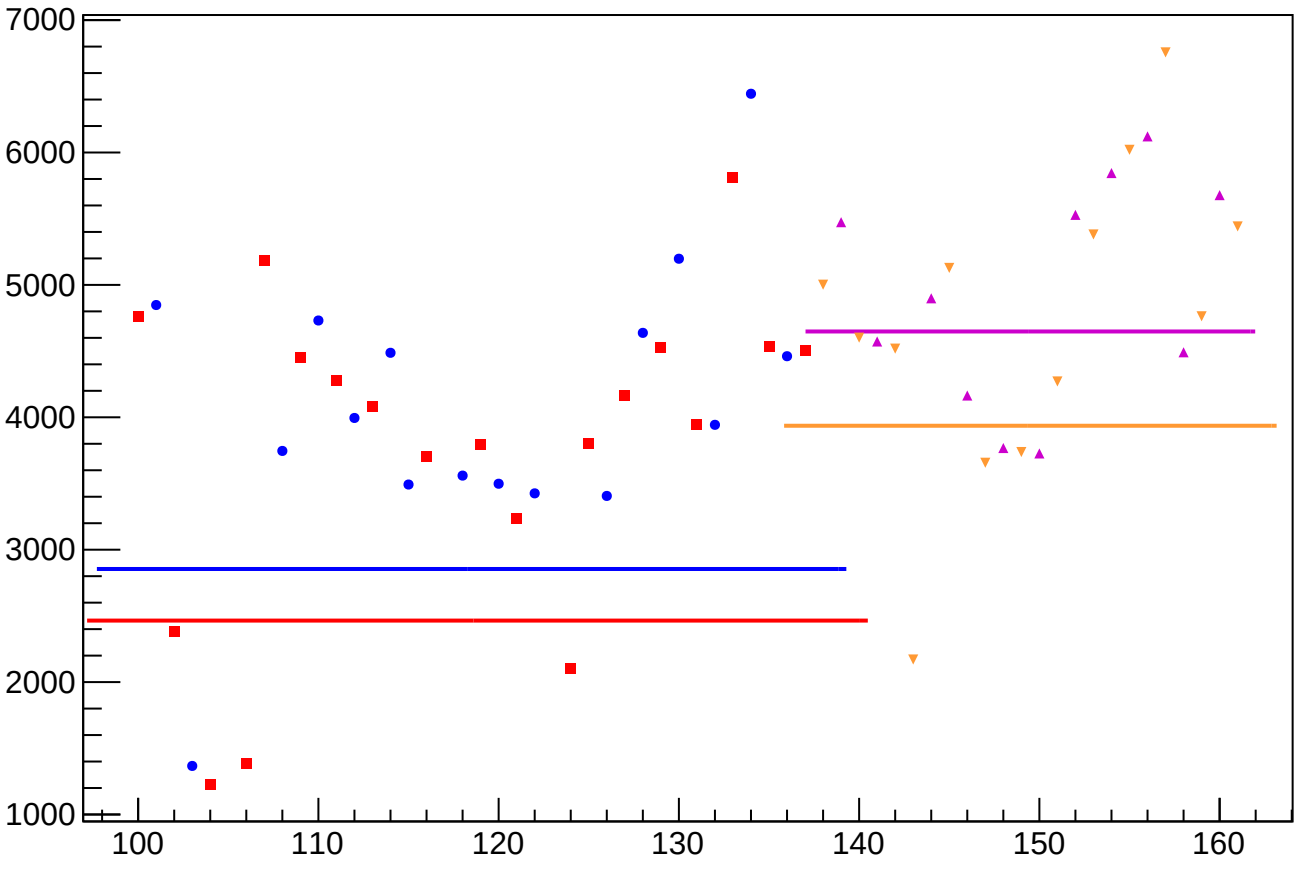
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -1377.065+/-1530.143 χ^2/NDF:5.4/10

+ sign -490.566+/-878.098 χ^2/NDF: 34.1/28

All: -295.771+/-617.597 χ^2/NDF: 58.4/58

- sign -105.077+/-868.803 χ^2/NDF: 24.1/29



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3936.205+/-0.917 χ^2/NDF:2073622.5/12

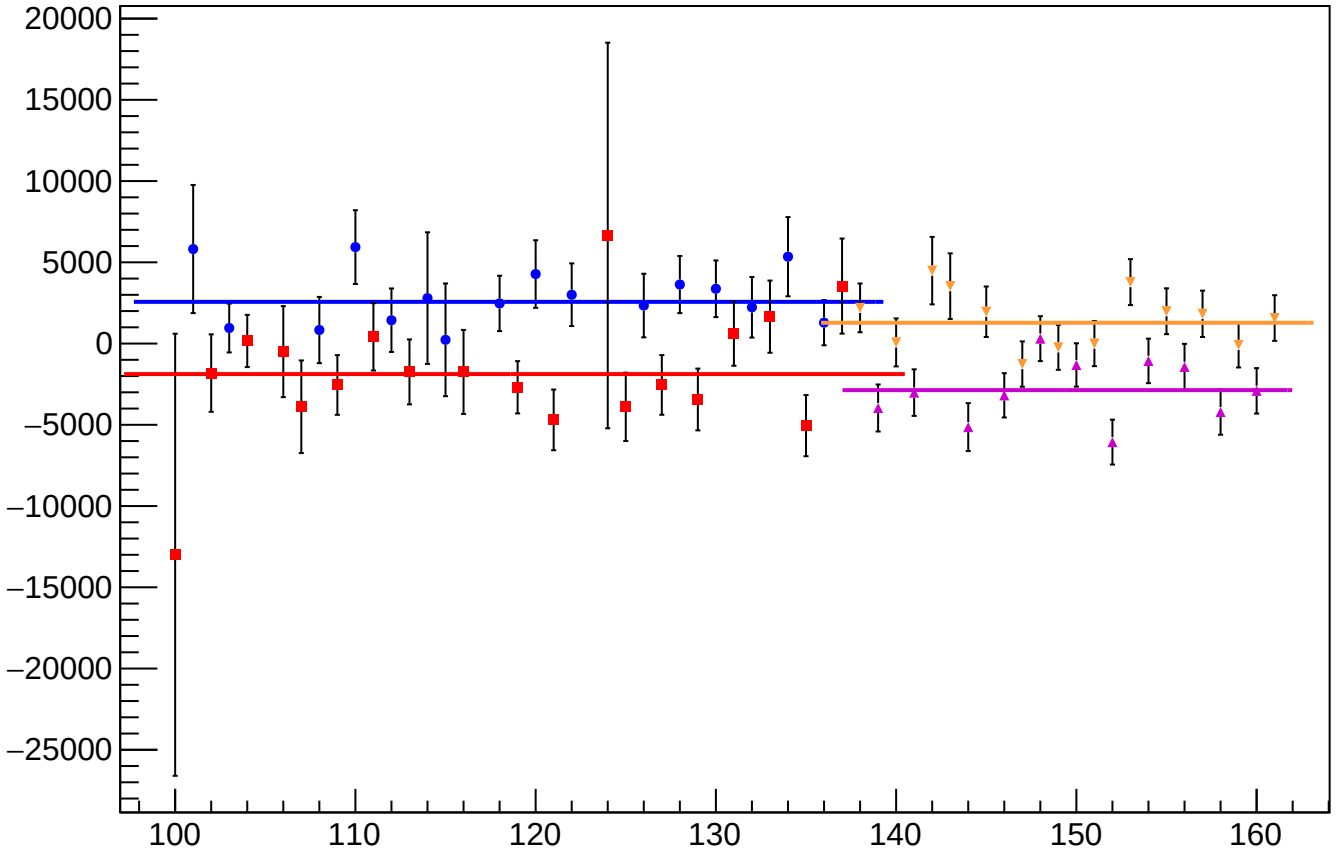
Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4648.208+/-1.082 χ^2/NDF:536519.9/10

+ sign 3349.939+/-0.621 χ^2/NDF: 5732155.7/28

All: 3258.287+/-0.437 χ^2/NDF: 12427678.3/5

- sign 3168.565+/-0.614 χ^2/NDF: 6652404.1/29



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1279.305+/-412.783 χ^2/NDF:14.8/12

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

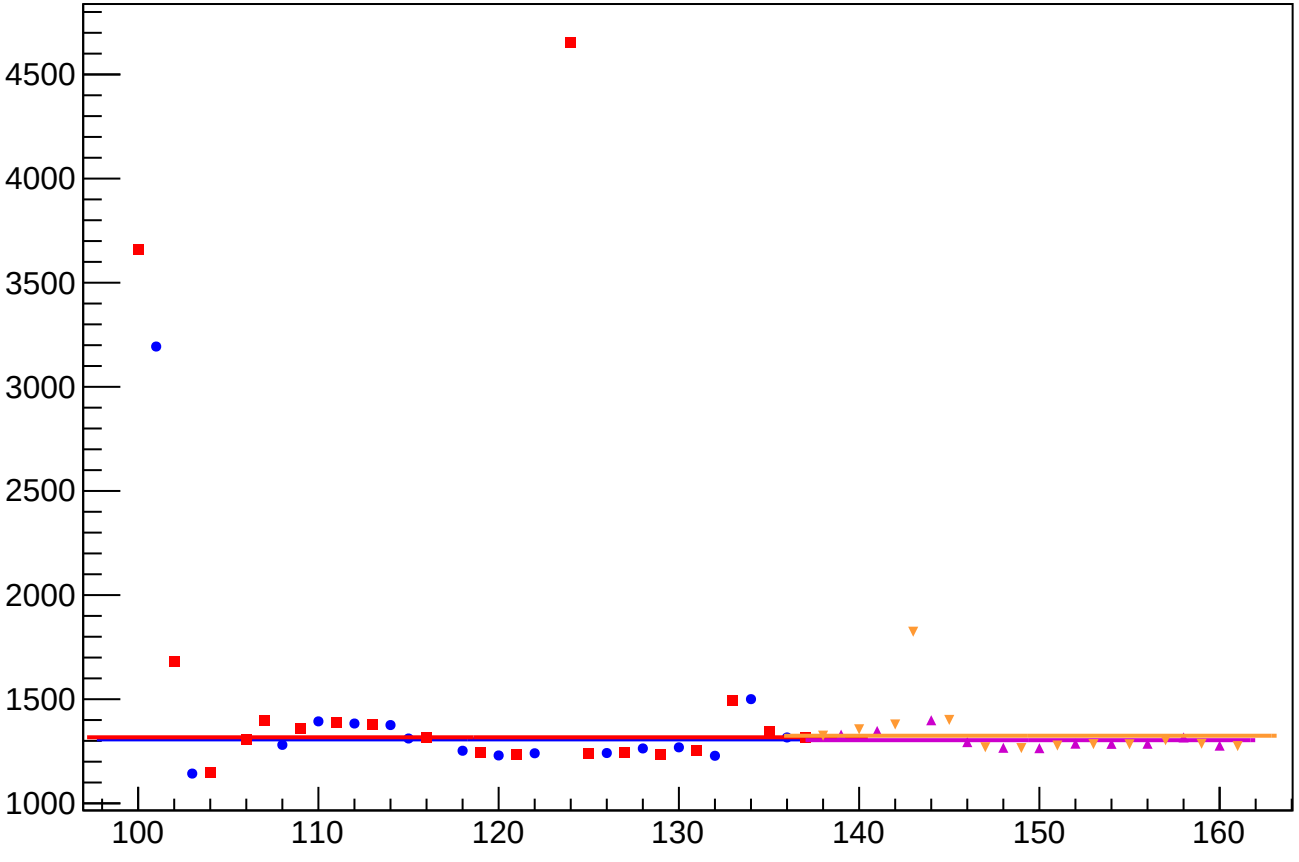
Left In: -2866.098+/-421.720 χ^2/NDF:18.6/10

+ sign 1807.092+/-317.115 χ^2/NDF: 27.8/28

All: -296.031+/-225.574 χ^2/NDF: 157.3/58

- sign -2450.165+/-320.938 χ^2/NDF: 40.5/29

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1324.640+/-0.292 χ^2/NDF:146355.4/12

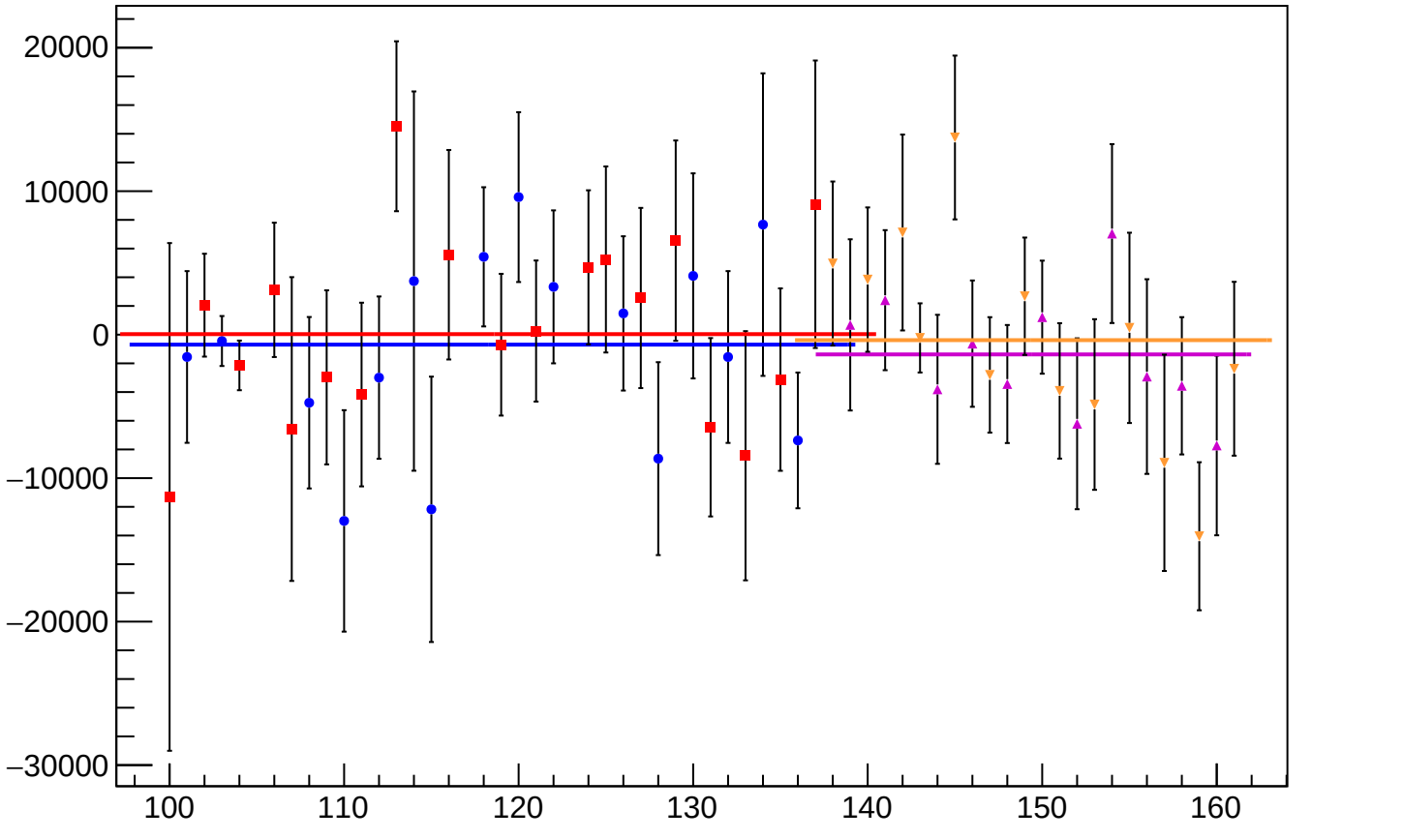
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1303.251+/-0.298 χ^2/NDF:15935.5/10

+ sign 1317.439+/-0.224 χ^2/NDF: 664091.3/28

All: 1313.318+/-0.159 χ^2/NDF: 1007549.9/58

- sign 1309.104+/-0.227 χ^2/NDF: 342775.6/29



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -382.685+/-1297.336 χ^2/NDF:19.4/12

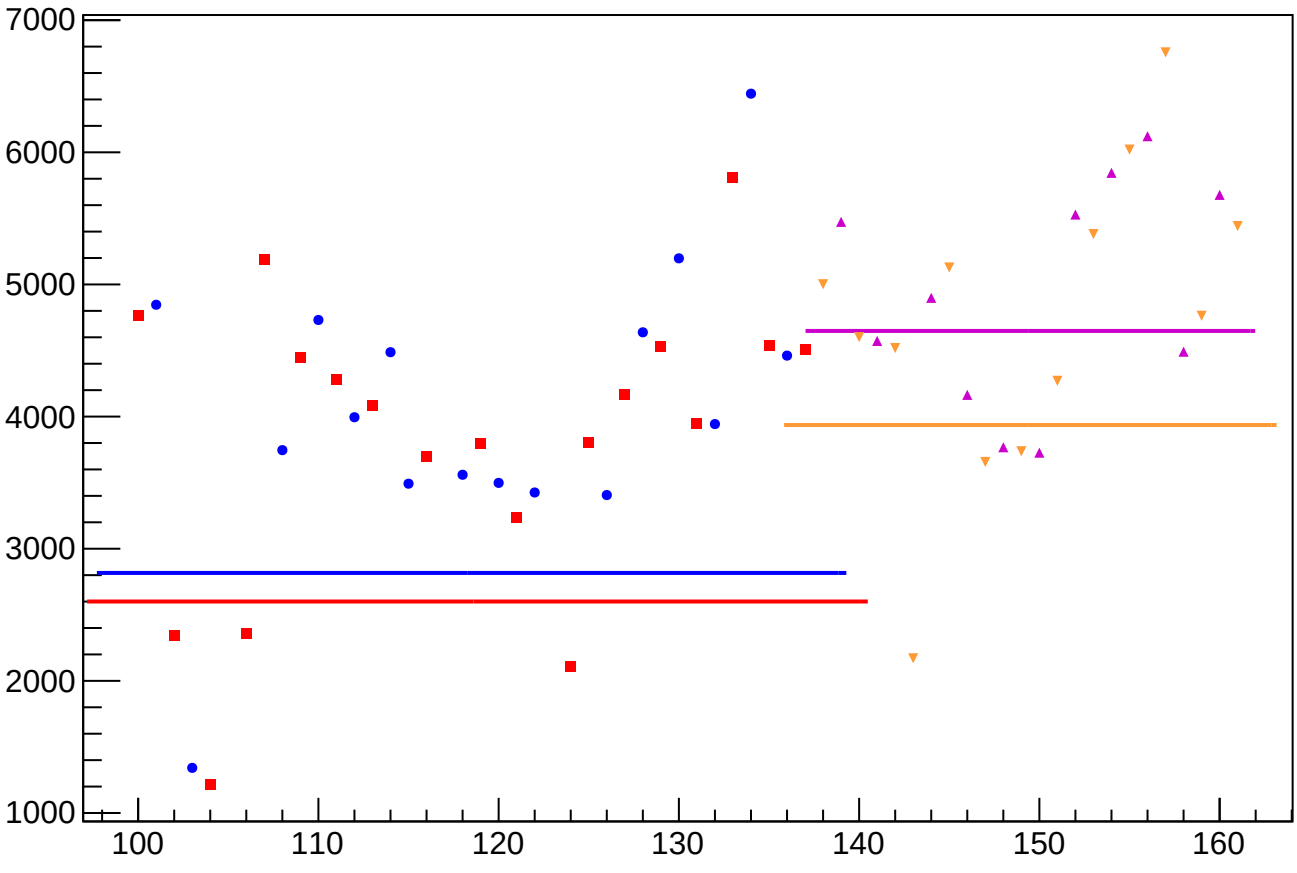
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1377.147+/-1530.143 χ^2/NDF:5.4/10

+ sign -553.419+/-873.911 χ^2/NDF: 34.1/28

All: -500.025+/-624.313 χ^2/NDF: 56.0/58

- sign -444.372+/-892.198 χ^2/NDF: 21.9/29



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3936.182+/-0.917 χ^2/NDF:2073688.2/12

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

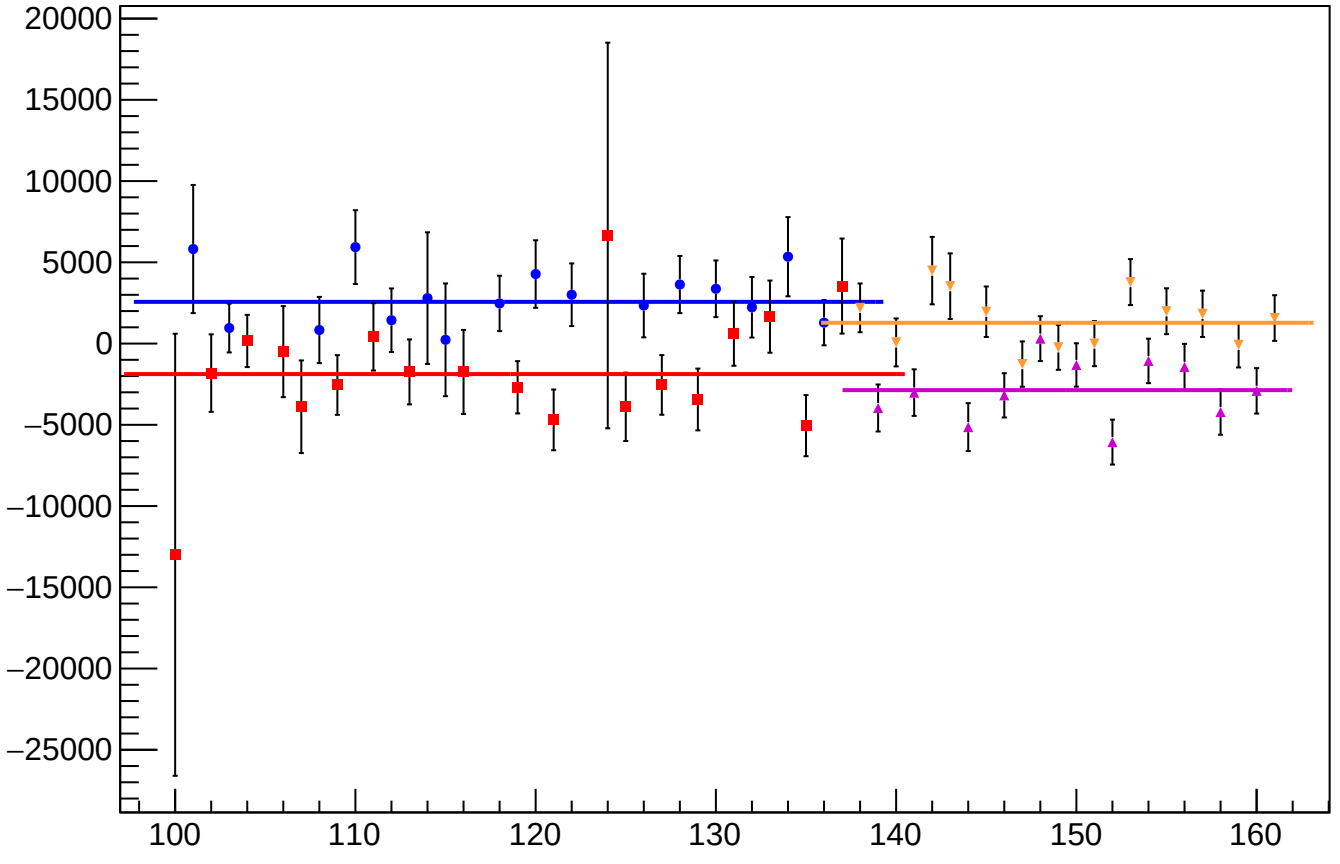
Left In: 4648.207+/-1.082 χ^2/NDF:536526.4/10

\+ sign 3324.725+/-0.618 χ^2/NDF: 5894603.6/28

All: 3311.005+/-0.441 χ^2/NDF: 11876900.8/5

\- sign 3296.704+/-0.631 χ^2/NDF: 5981290.4/29

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1279.305+/-412.783 χ^2/NDF:14.8/12

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

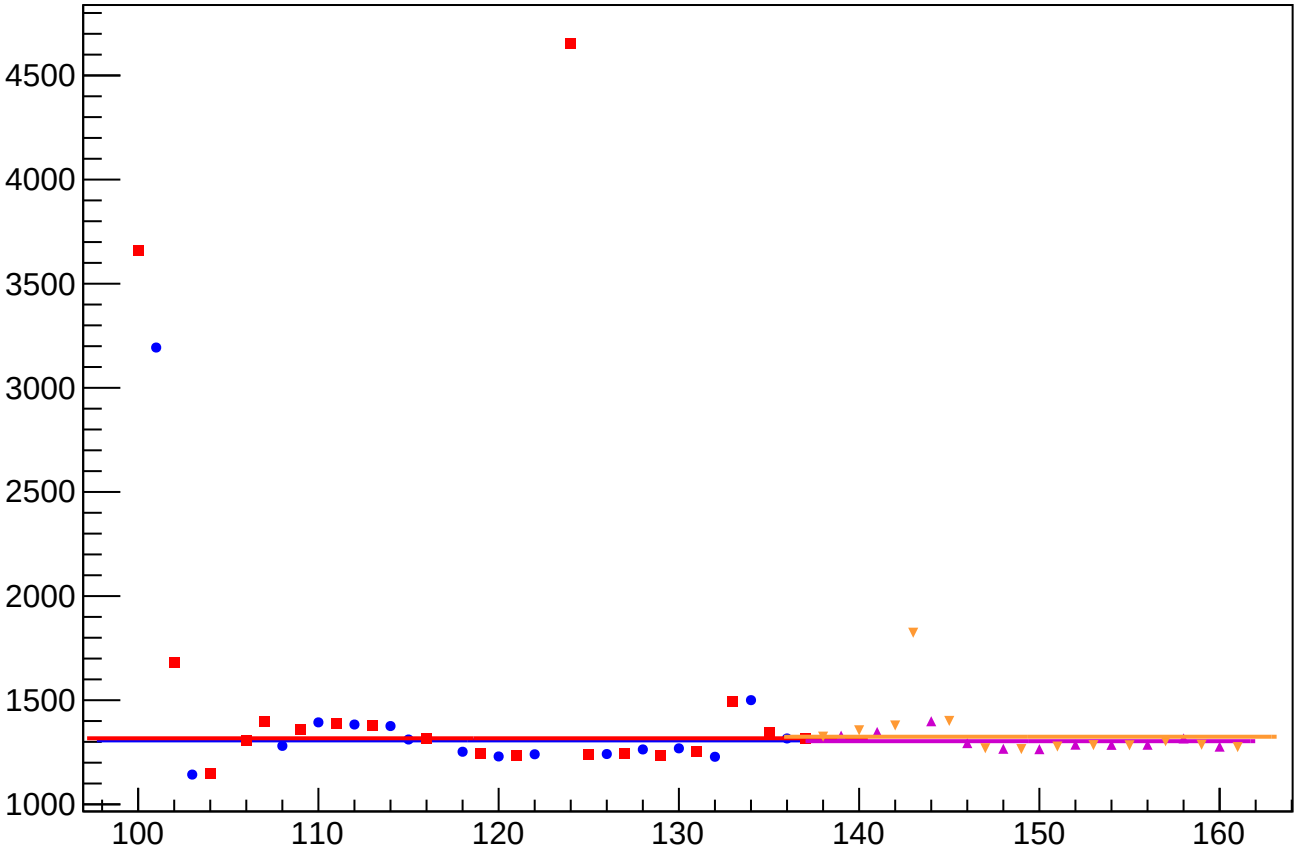
Left In: -2866.098+/-421.720 χ^2/NDF:18.6/10

+ sign 1807.092+/-317.115 χ^2/NDF: 27.8/28

All: -296.031+/-225.574 χ^2/NDF: 157.3/58

- sign -2450.165+/-320.938 χ^2/NDF: 40.5/29

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: 1324.640+/-0.292 χ^2/NDF:146355.4/12

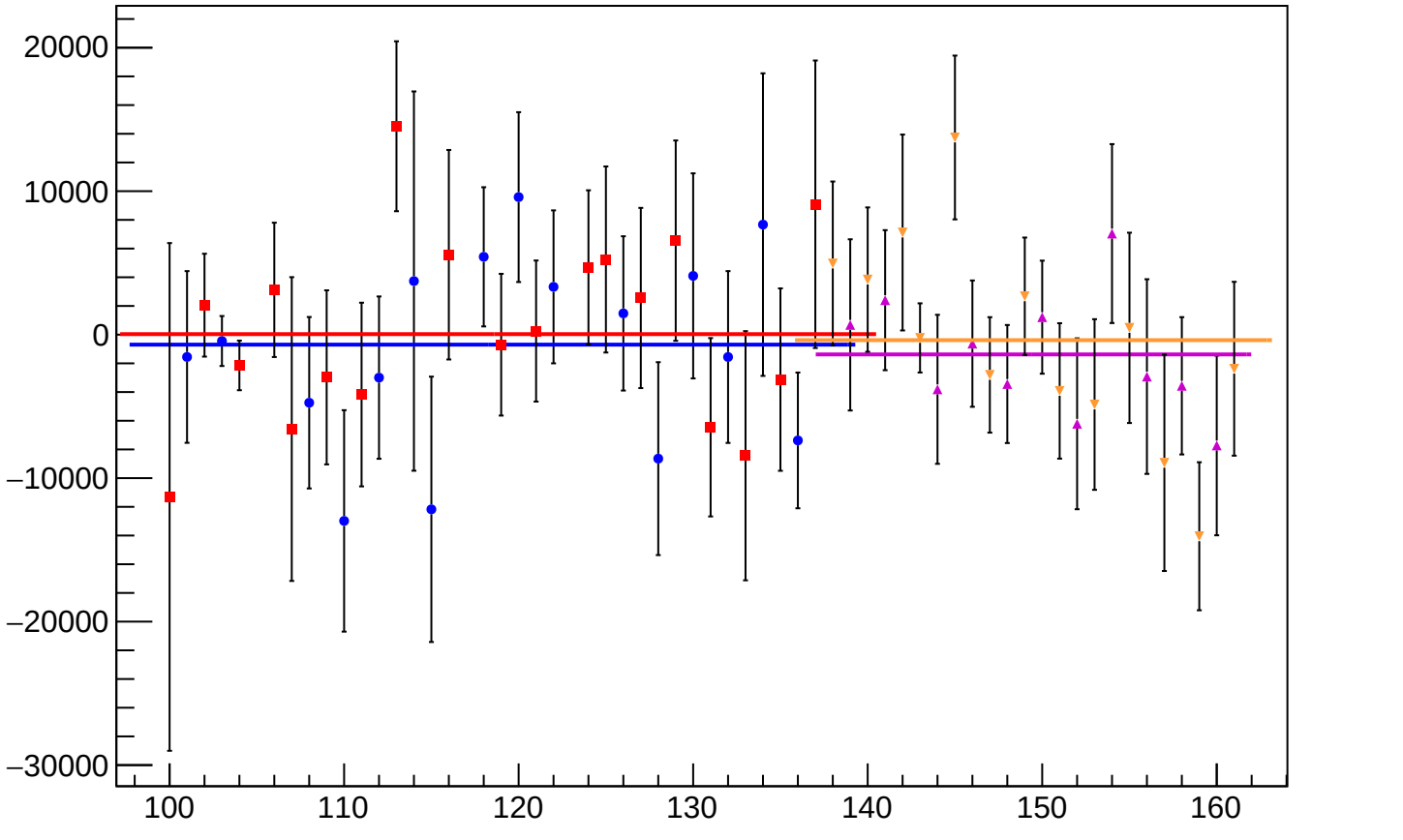
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1303.251+/-0.298 χ^2/NDF:15935.5/10

+ sign 1317.439+/-0.224 χ^2/NDF: 664091.3/28

All: 1313.318+/-0.159 χ^2/NDF: 1007549.9/58

- sign 1309.104+/-0.227 χ^2/NDF: 342775.6/29



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -382.685+/-1297.336 χ^2/NDF:19.4/12

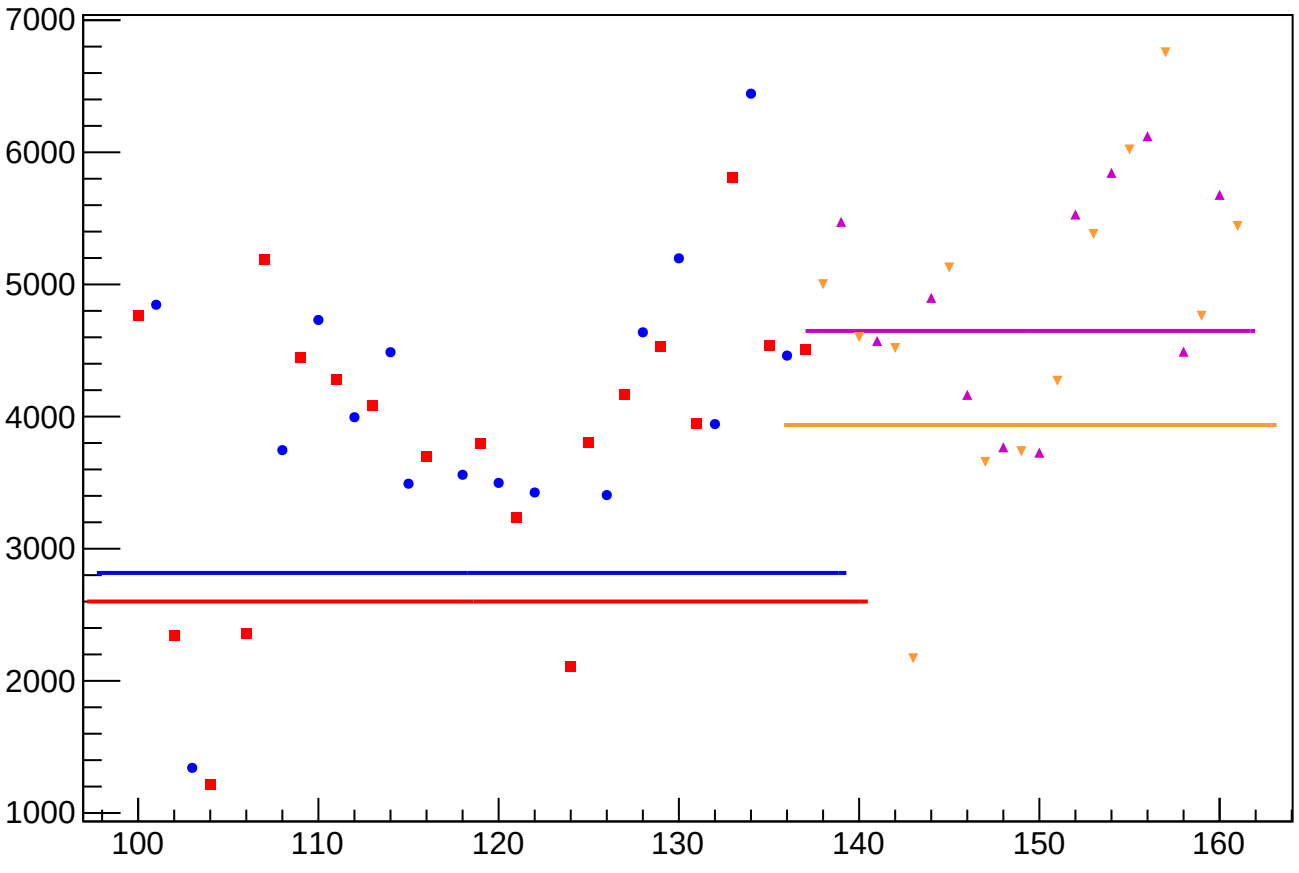
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1377.147+/-1530.143 χ^2/NDF:5.4/10

+ sign -553.419+/-873.911 χ^2/NDF: 34.1/28

All: -500.025+/-624.313 χ^2/NDF: 56.0/58

- sign -444.372+/-892.198 χ^2/NDF: 21.9/29



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3936.182+/-0.917 χ^2/NDF:2073688.2/12

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

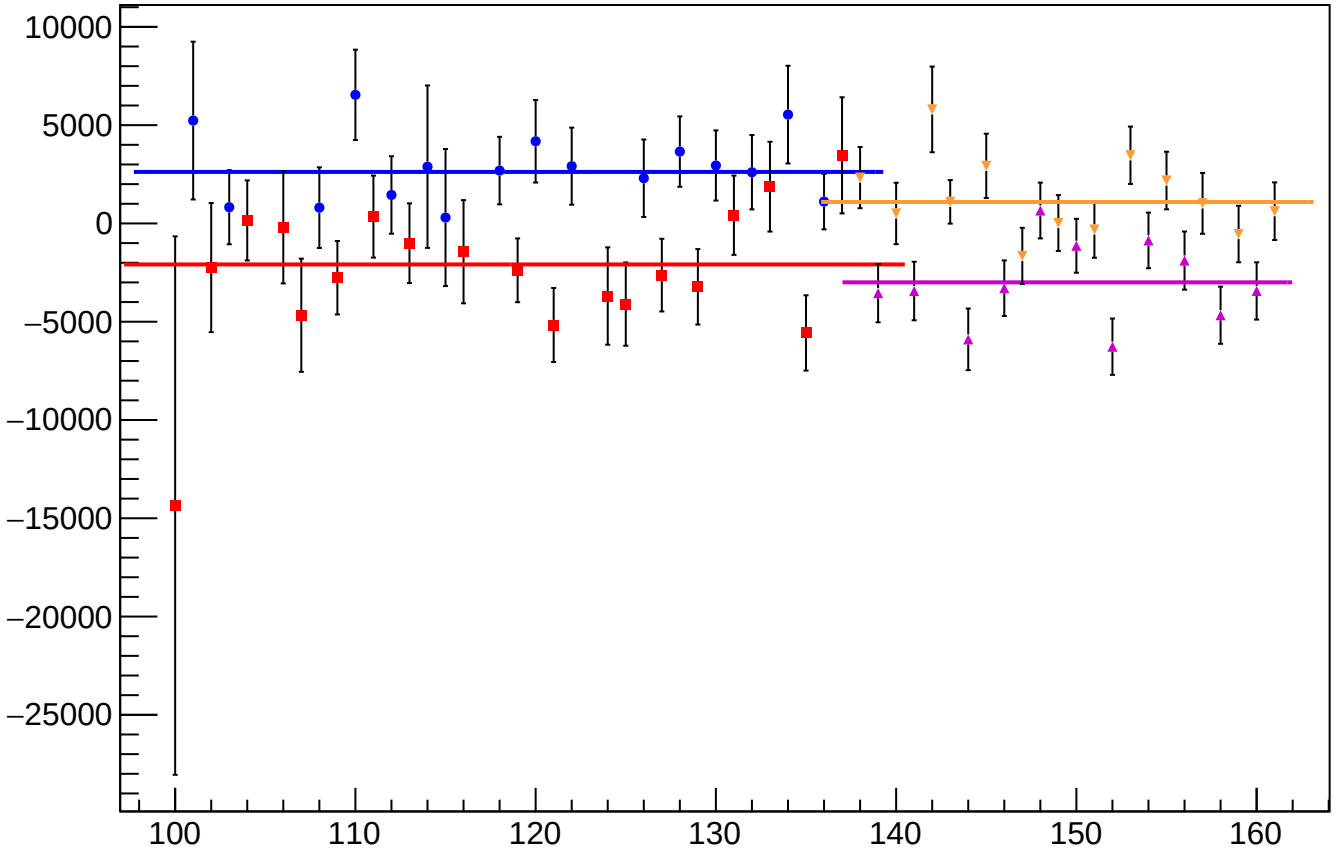
Left In: 4648.207+/-1.082 χ^2/NDF:536526.4/10

+ sign 3324.725+/-0.618 χ^2/NDF: 5894603.6/28

All: 3311.005+/-0.441 χ^2/NDF: 11876900.8/5

- sign 3296.704+/-0.631 χ^2/NDF: 5981290.4/29

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1090.099+/-408.611 χ^2/NDF:16.5/12

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

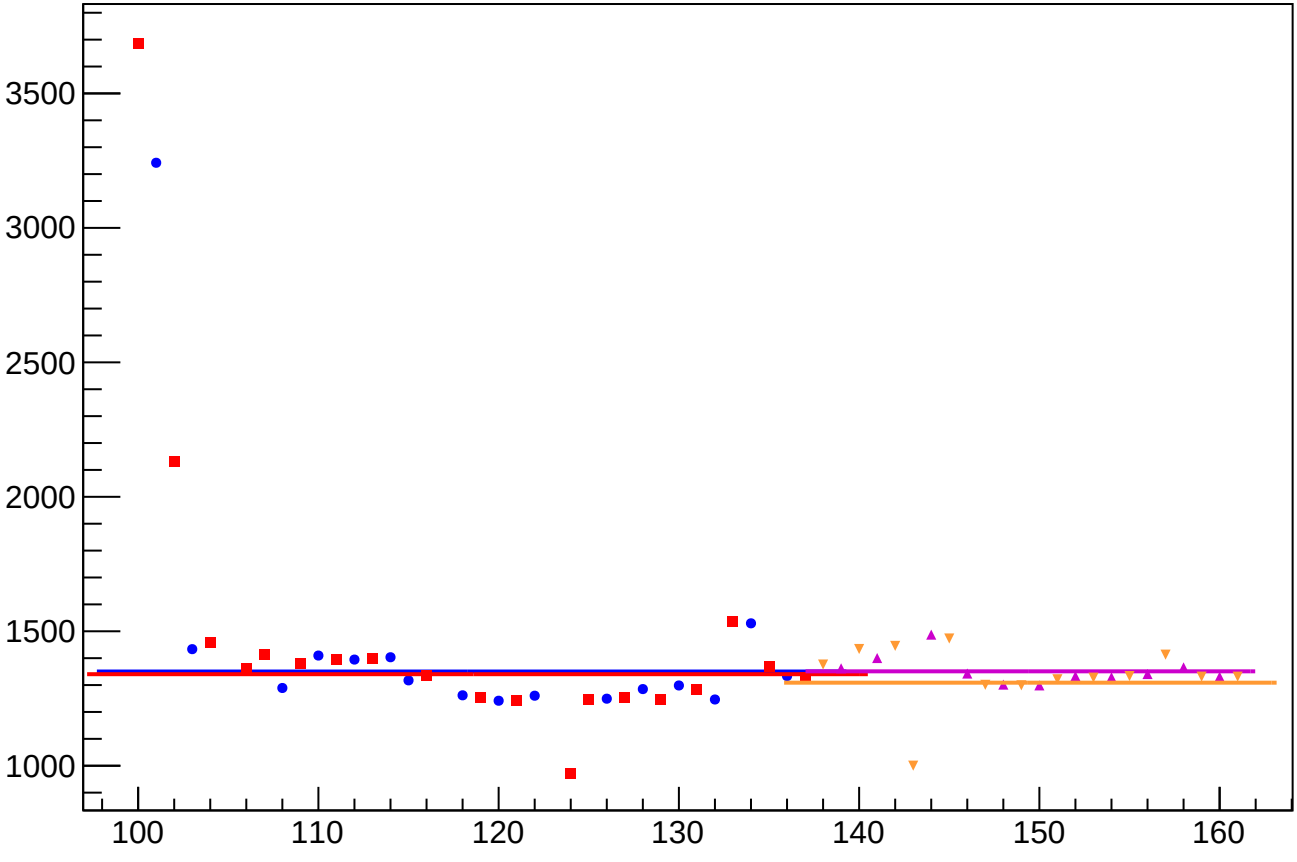
Left In: -2996.309+/-437.333 χ^2/NDF:21.6/10

+ sign 1686.279+/-319.253 χ^2/NDF: 31.3/28

All: -385.149+/-229.640 χ^2/NDF: 163.0/58

- sign -2605.905+/-330.560 χ^2/NDF: 44.4/29

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1308.868+/-0.289 χ^2/NDF:211239.3/12

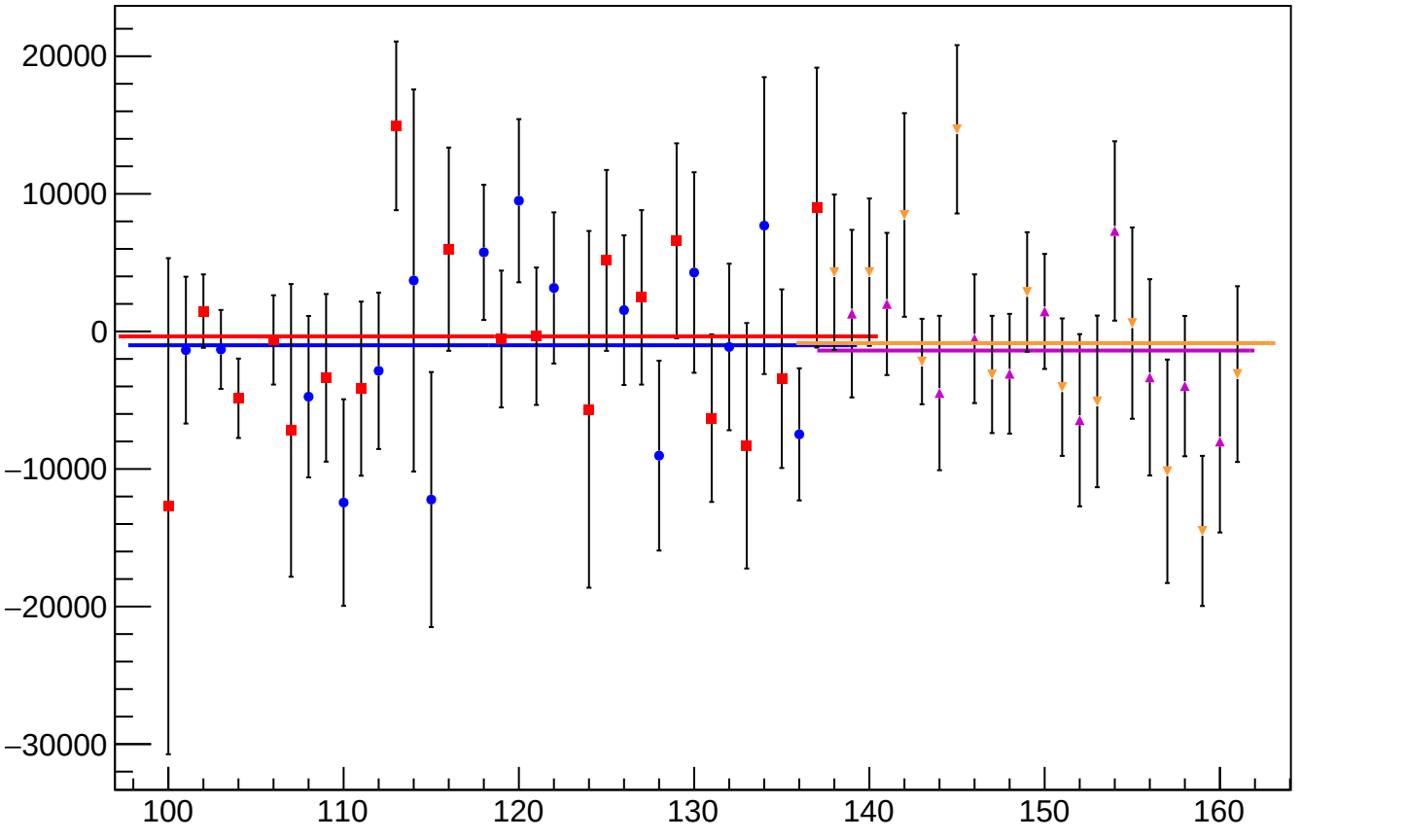
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1351.067+/-0.309 χ^2/NDF:24336.4/10

+ sign 1325.035+/-0.226 χ^2/NDF: 713327.4/28

All: 1335.398+/-0.162 χ^2/NDF: 1014720.9/58

- sign 1346.503+/-0.234 χ^2/NDF: 297027.6/29



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: -853.995+/-1439.580 χ^2/NDF:19.6/12

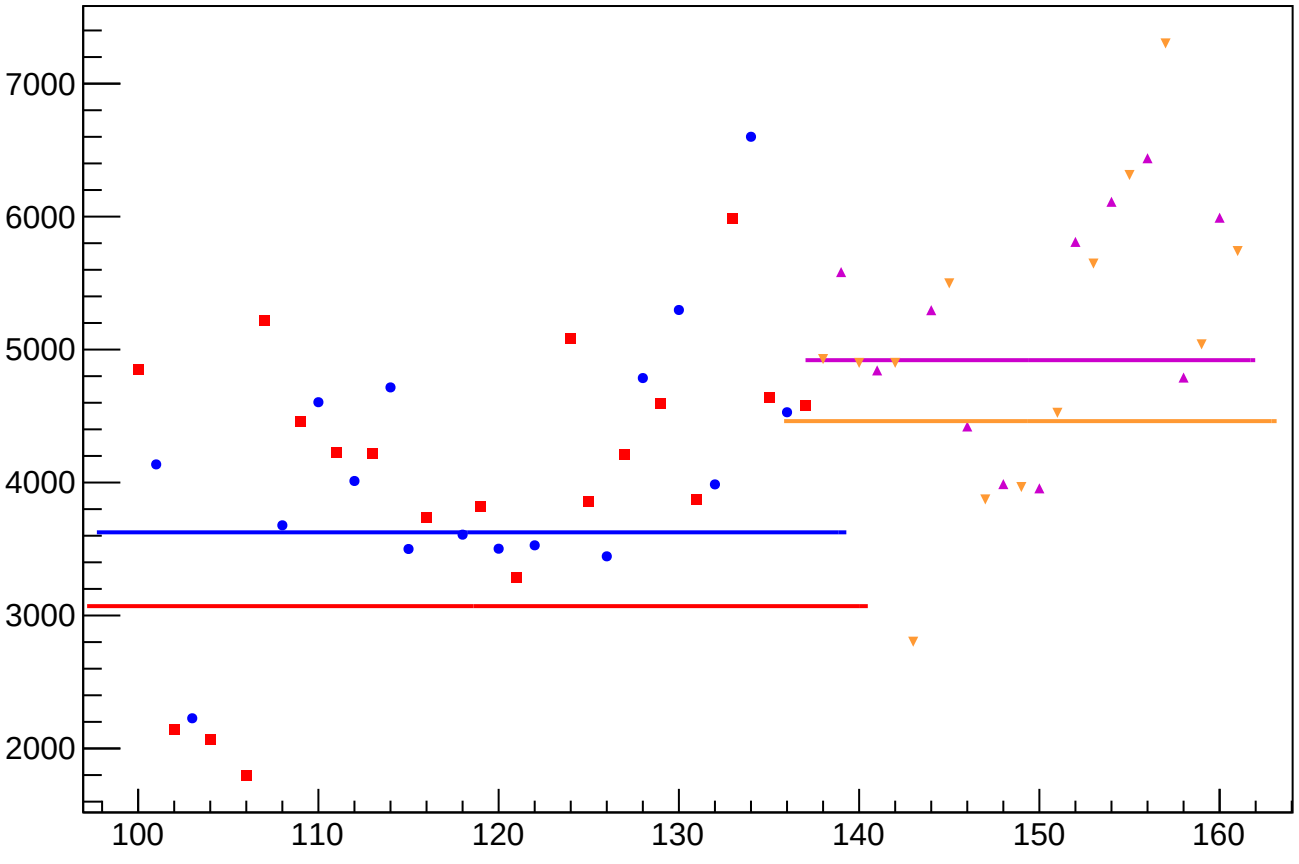
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -1390.441+/-1618.399 χ^2/NDF:5.3/10

+ sign -932.259+/-1005.289 χ^2/NDF: 34.2/28

All: -826.719+/-696.250 χ^2/NDF: 56.1/58

- sign -729.424+/-965.224 χ^2/NDF: 21.8/29



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4461.882+/-1.018 χ^2/NDF:1287249.5/12

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

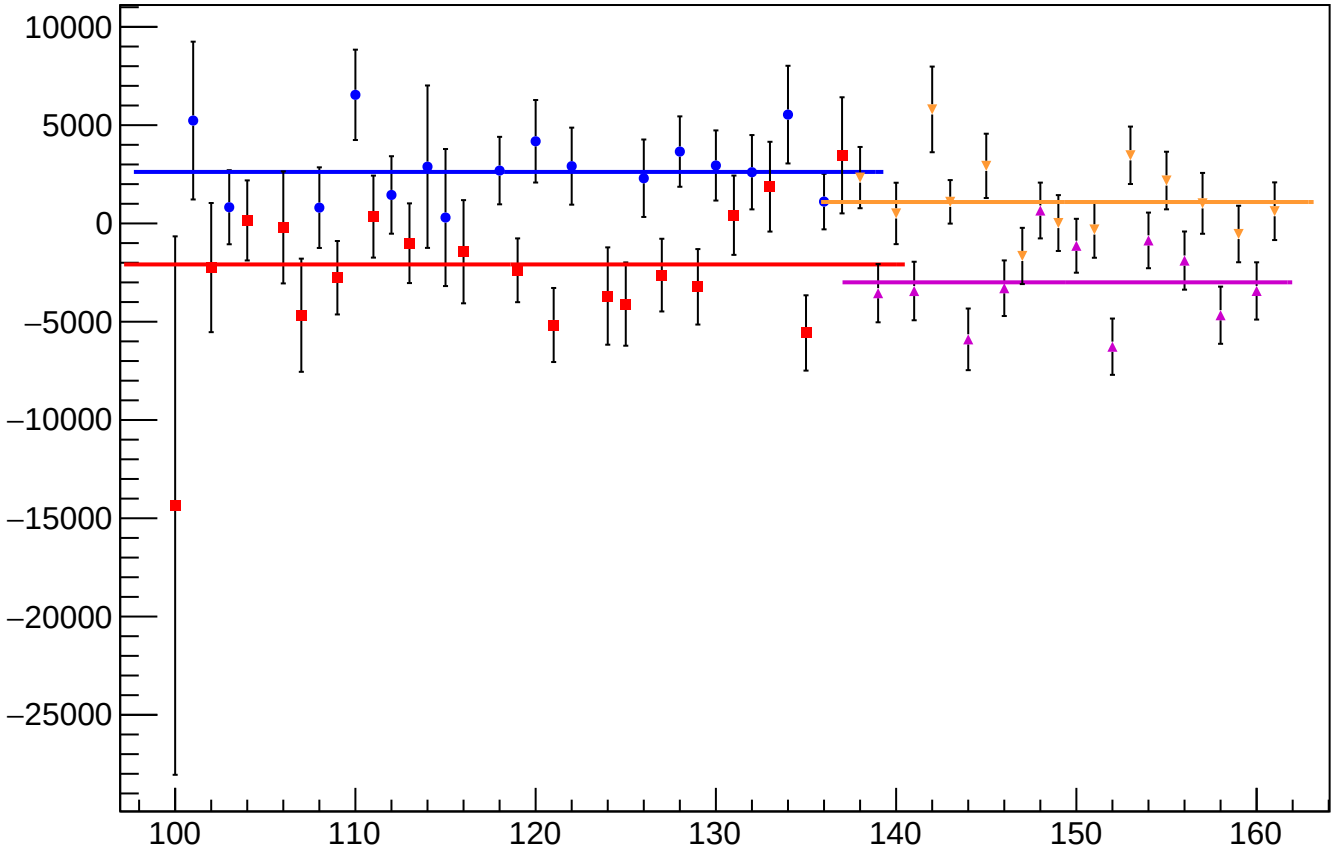
Left In: 4920.300+/-1.144 χ^2/NDF:505472.5/10

\+ sign 4033.370+/-0.711 χ^2/NDF: 2578030.8/28

All: 3874.707+/-0.492 χ^2/NDF: 6701447.8/58

\- sign 3728.439+/-0.683 χ^2/NDF: 4027669.9/29

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1090.094+/-408.611 χ^2/NDF:16.5/12

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

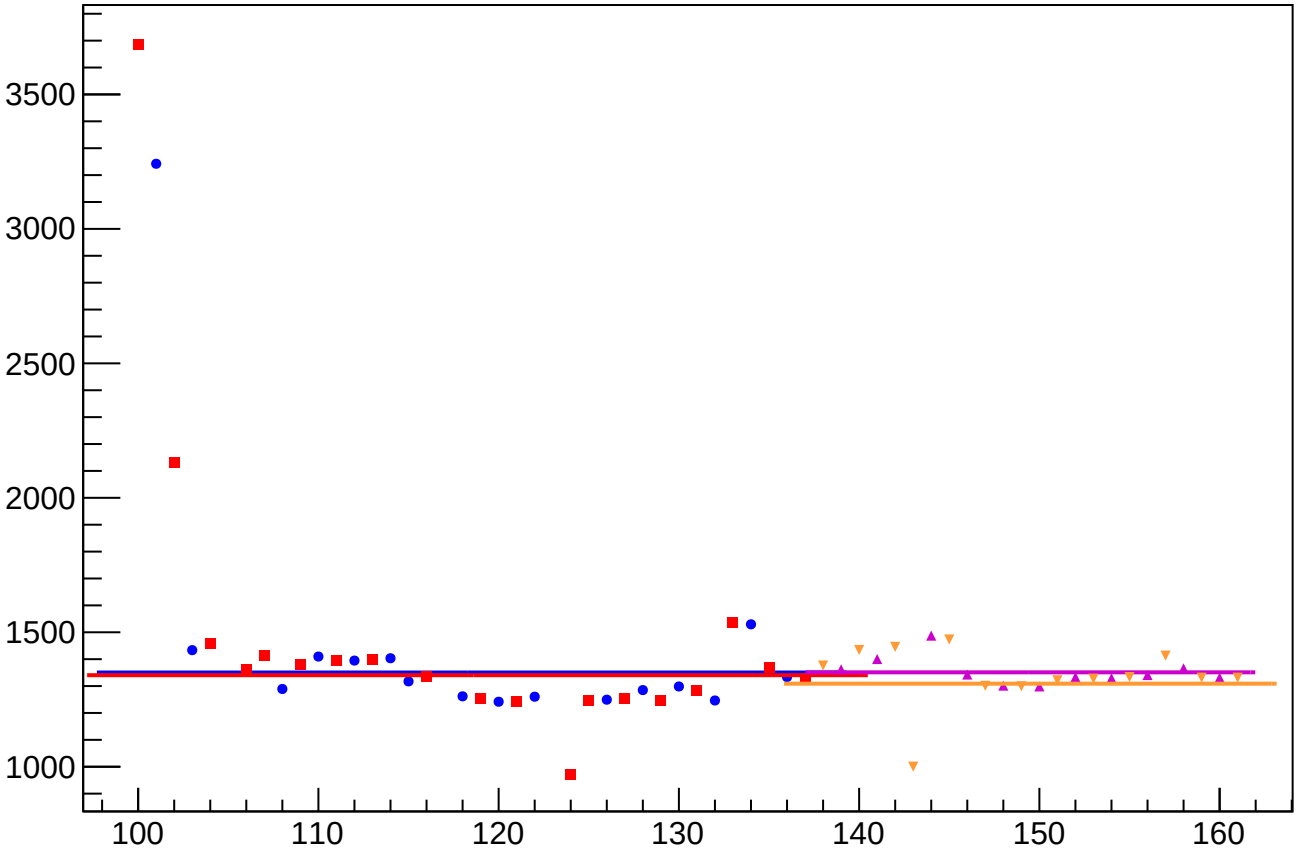
Left In: -2996.308+/-437.334 χ^2/NDF:21.6/10

+ sign 1686.277+/-319.253 χ^2/NDF: 31.3/28

All: -385.151+/-229.640 χ^2/NDF: 163.0/58

- sign -2605.905+/-330.561 χ^2/NDF: 44.4/29

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: 1308.869+/-0.289 χ^2/NDF:211239.8/12

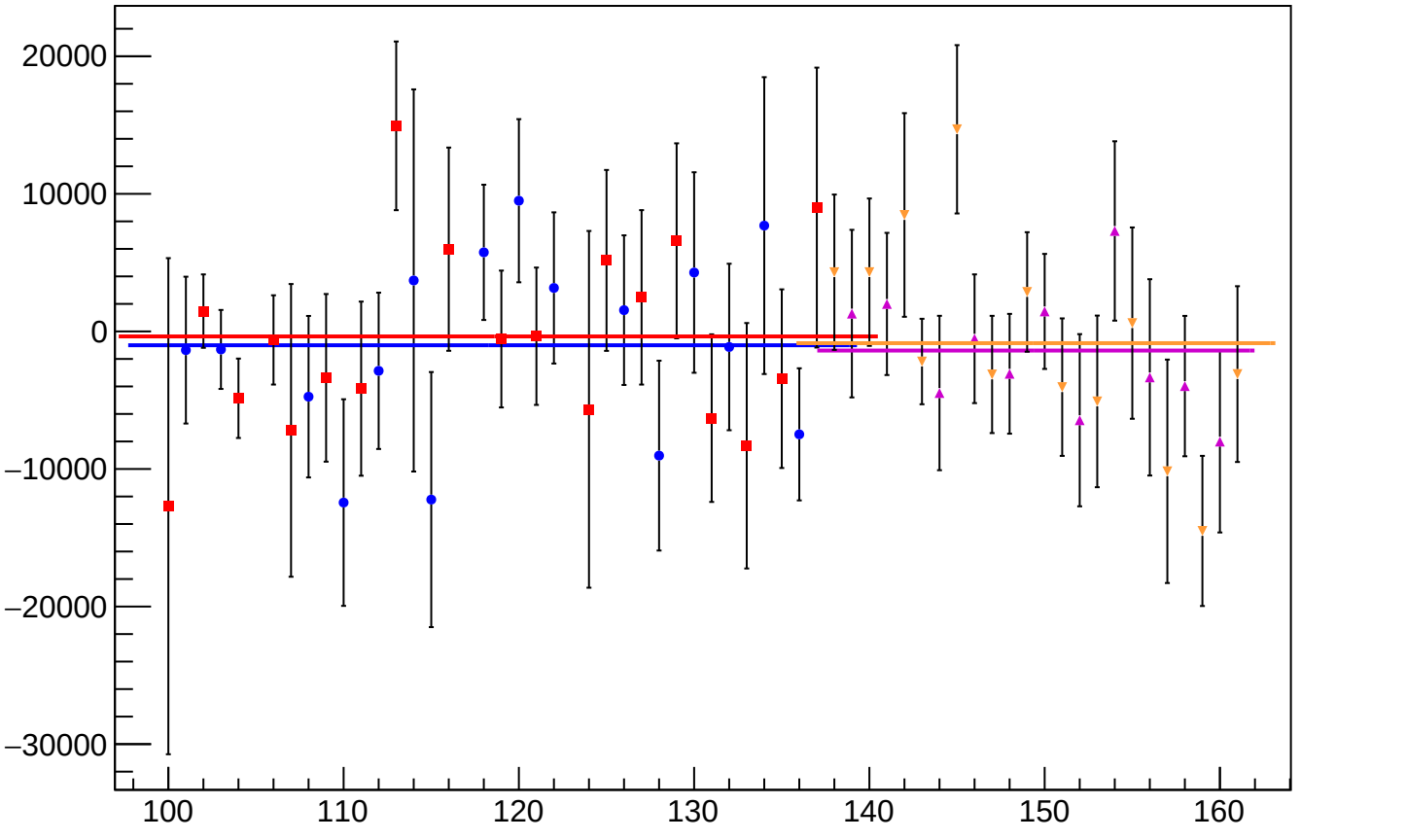
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1351.068+/-0.309 χ^2/NDF:24336.6/10

\+ sign 1325.035+/-0.226 χ^2/NDF: 713327.4/28

All: 1335.399+/-0.162 χ^2/NDF: 1014720.3/58

\- sign 1346.504+/-0.234 χ^2/NDF: 297027.0/29



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -854.000+/-1439.582 χ^2/NDF:19.6/12

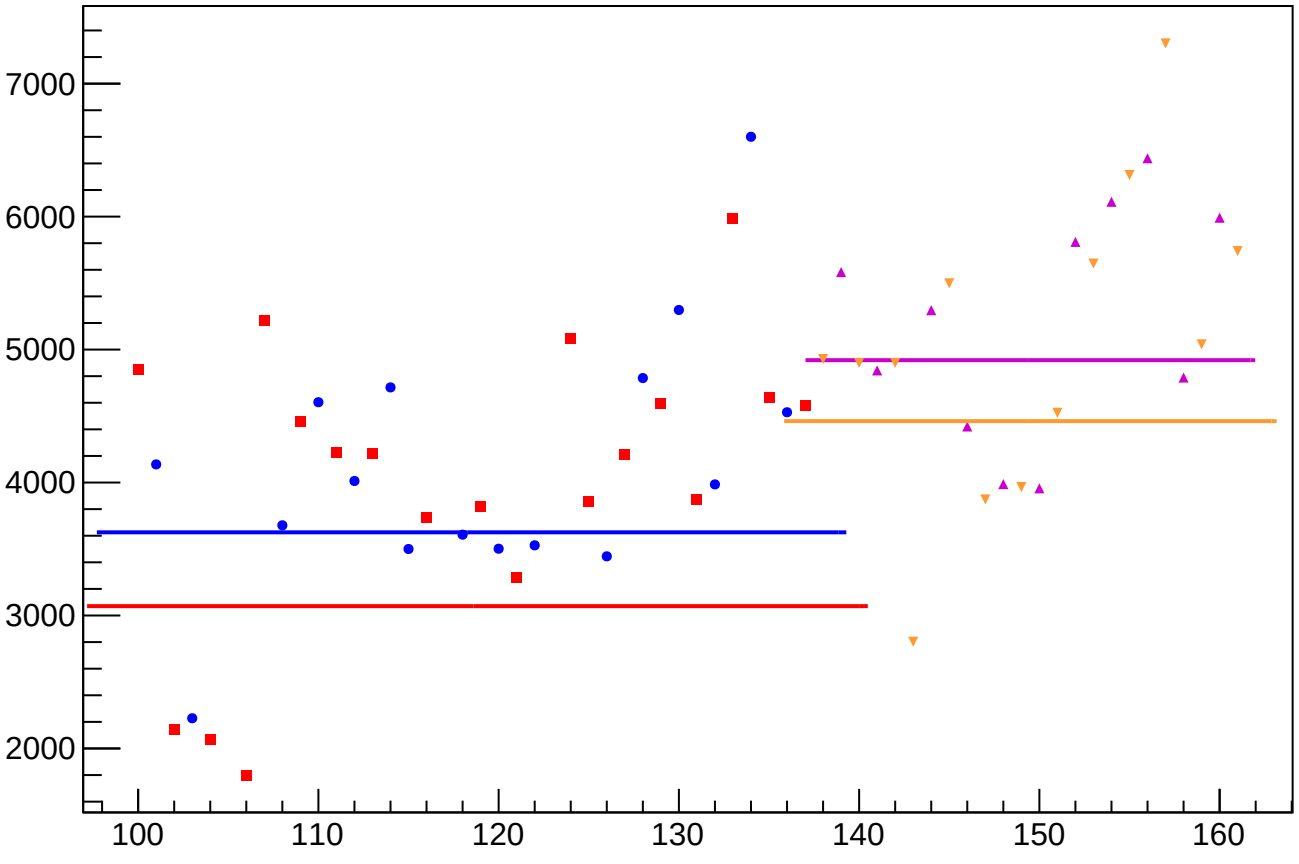
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -1390.440+/-1618.401 χ^2/NDF:5.3/10

+ sign -932.258+/-1005.289 χ^2/NDF: 34.2/28

All: -826.718+/-696.249 χ^2/NDF: 56.1/58

- sign -729.423+/-965.223 χ^2/NDF: 21.8/29



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4461.889+/-1.018 χ^2/NDF:1287248.6/12

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

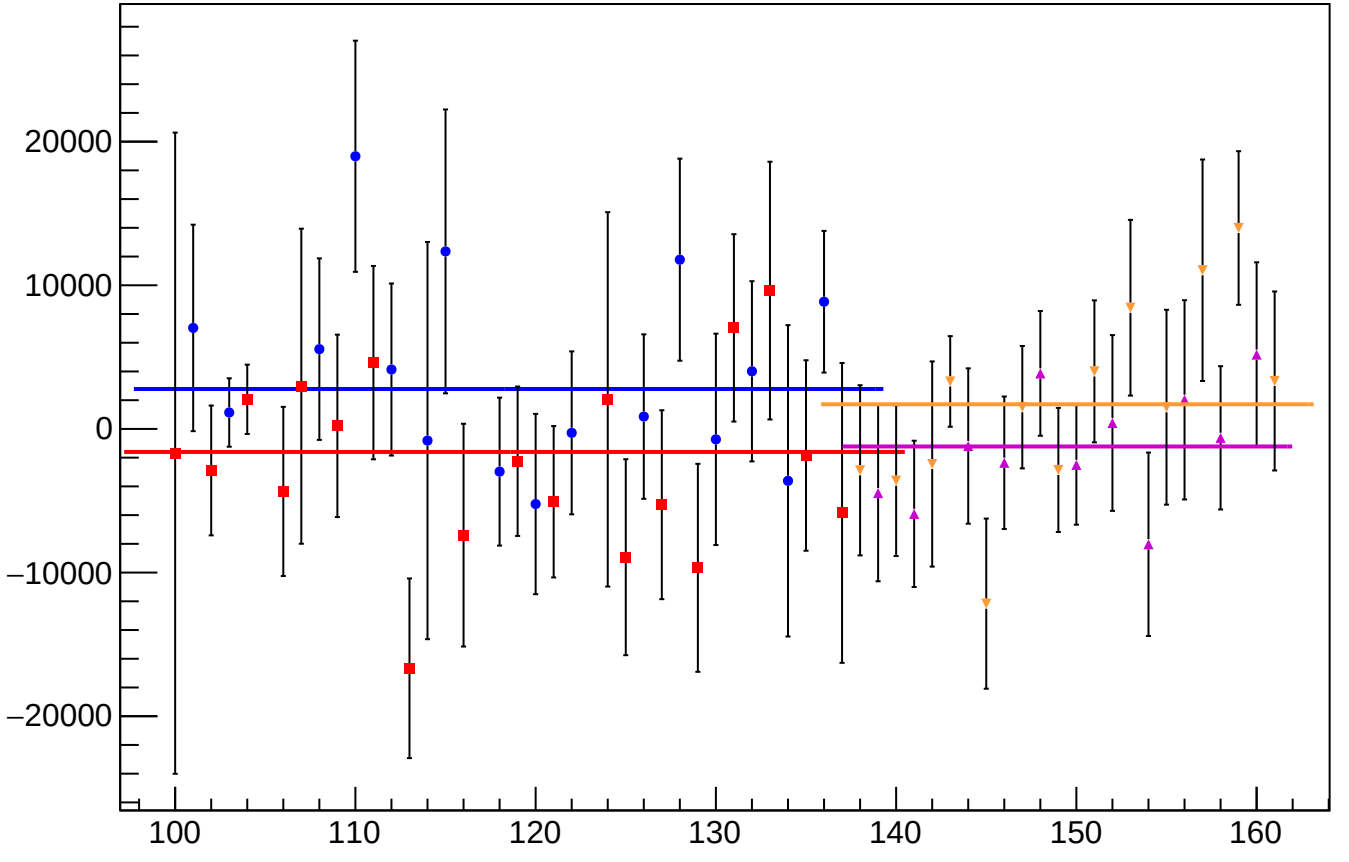
Left In: 4920.306+/-1.144 χ^2/NDF:505472.8/10

+ sign 4033.367+/-0.711 χ^2/NDF: 2578045.1/28

All: 3874.702+/-0.492 χ^2/NDF: 6701495.1/58

- sign 3728.432+/-0.683 χ^2/NDF: 4027700.4/29

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1714.971+/-1430.031 χ^2/NDF:17.1/12

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

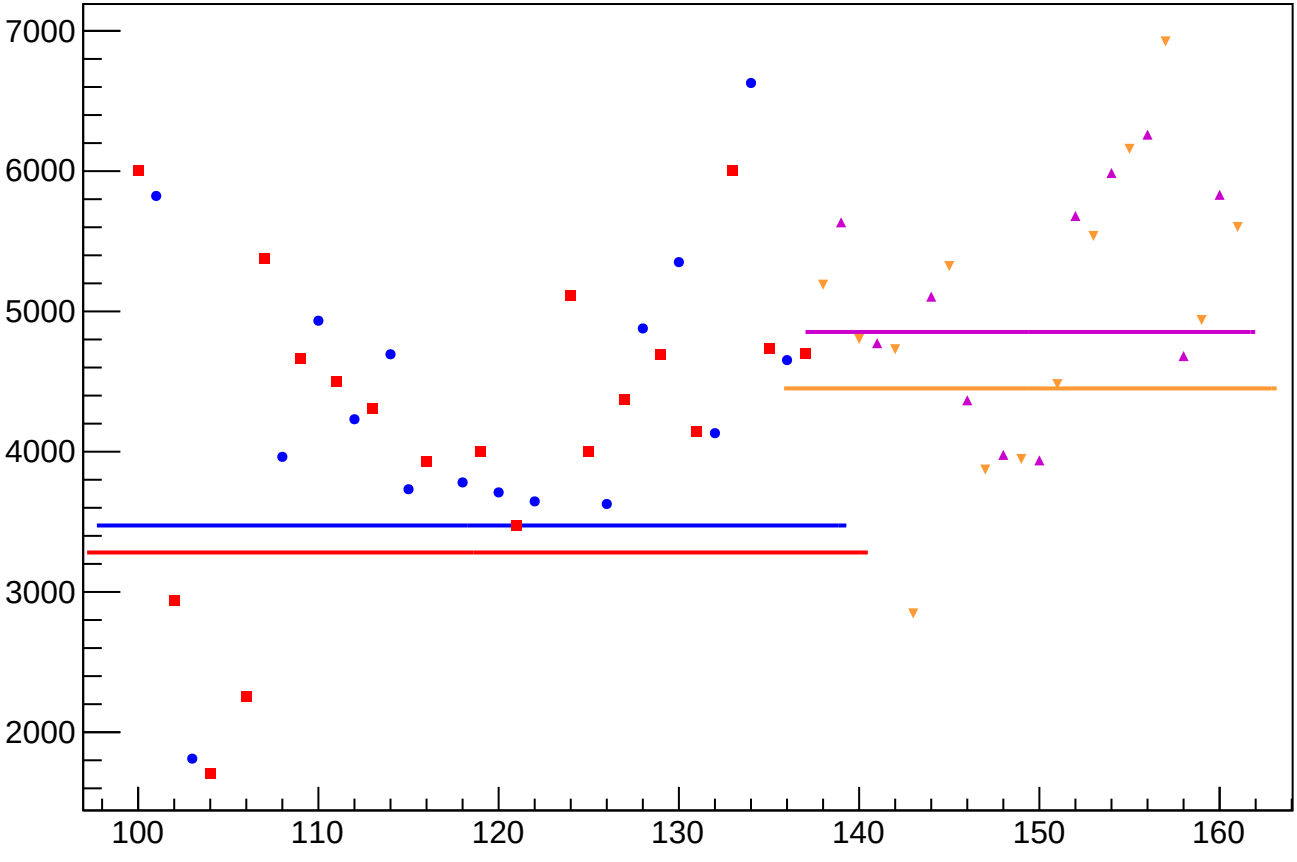
Left In: -1221.959+/-1594.106 χ^2/NDF:5.1/10

+ sign 2263.267+/-996.524 χ^2/NDF: 30.5/28

All: 460.075+/-714.302 χ^2/NDF: 59.2/58

- sign -1445.426+/-1024.404 χ^2/NDF: 21.9/29

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4450.921+/-1.011 χ^2/NDF:1148508.4/12

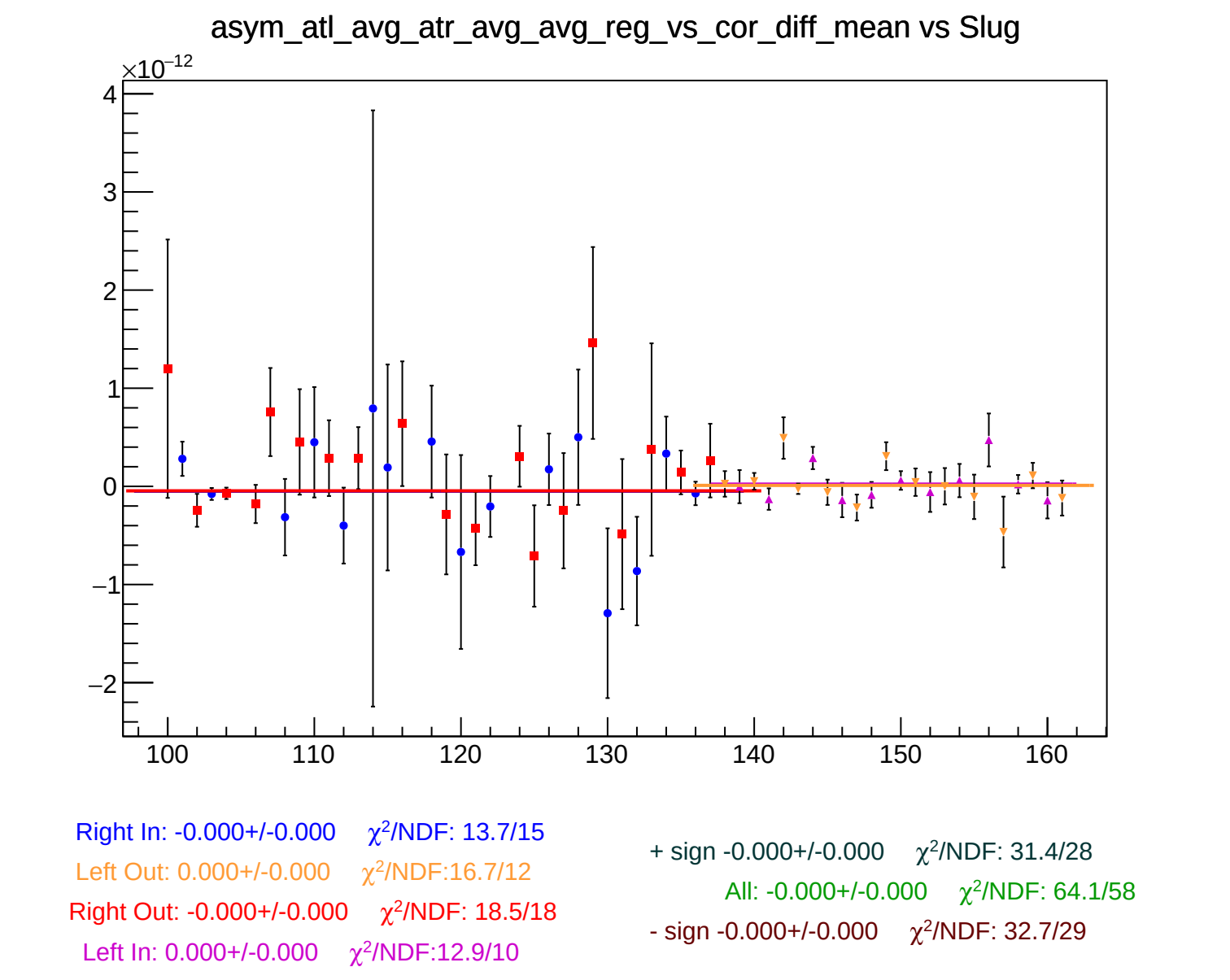
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

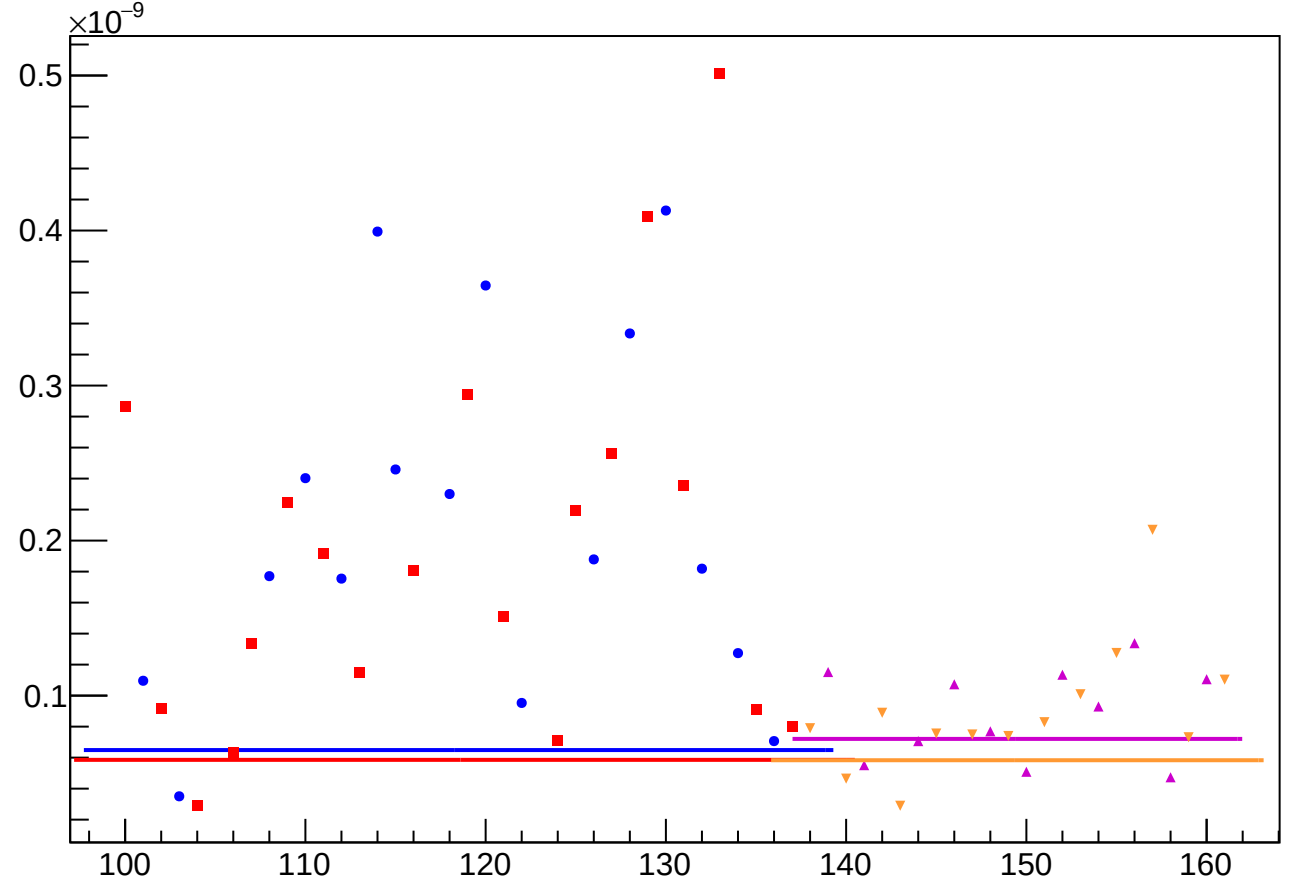
Left In: 4853.523+/-1.127 χ^2/NDF:468277.9/10

\+ sign 3948.342+/-0.705 χ^2/NDF: 3472701.1/28

All: 3934.548+/-0.503 χ^2/NDF: 6972007.9/58

\- sign 3920.207+/-0.719 χ^2/NDF: 3498525.2/29


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:16.7/12
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:12.9/10
+ sign -0.000+/-0.000 χ²/NDF: 31.4/28
All: -0.000+/-0.000 χ²/NDF: 64.1/58
- sign -0.000+/-0.000 χ²/NDF: 32.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1728293.0/12

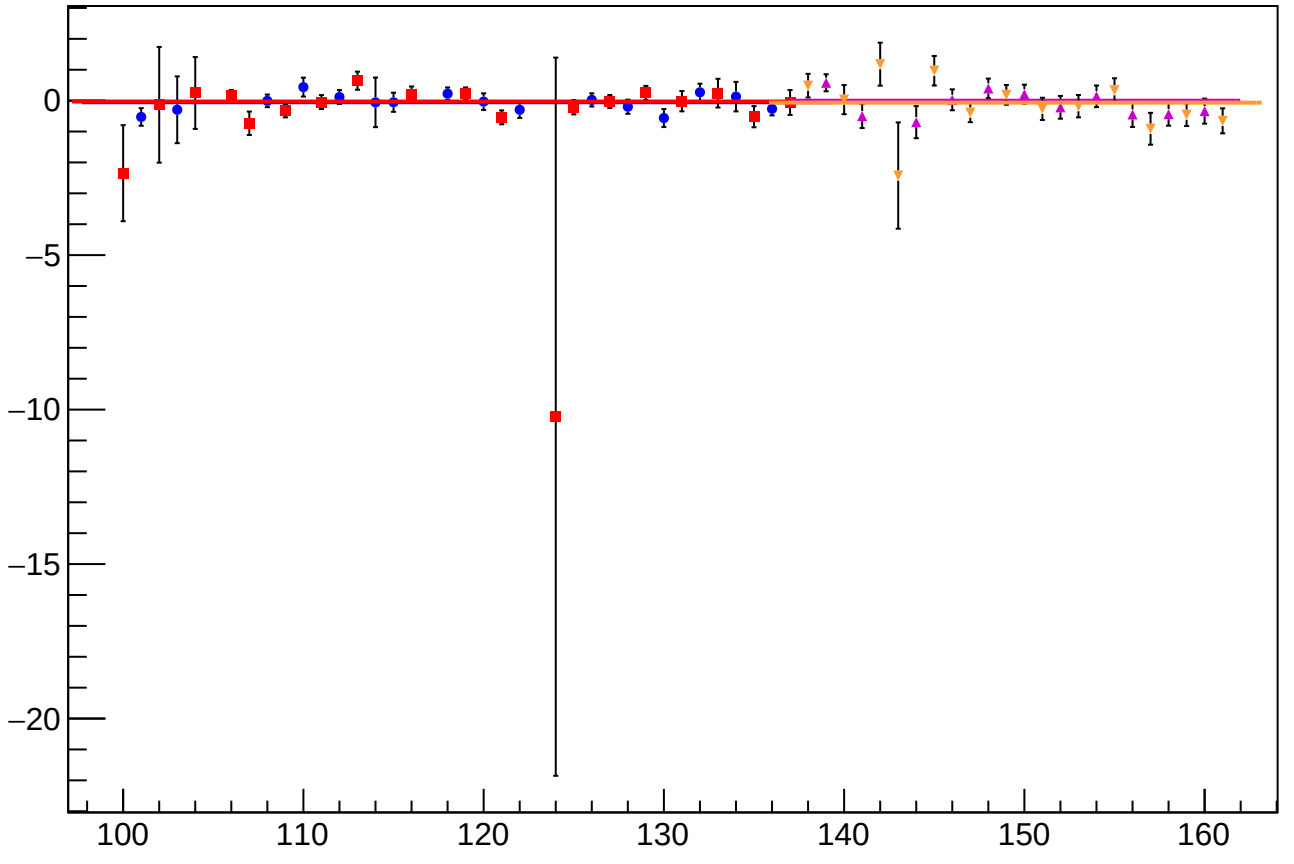
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:805034.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 4346419.9/28

All: 0.000+/-0.000 χ^2/NDF: 8143855.5/58

- sign 0.000+/-0.000 χ^2/NDF: 3753873.2/29



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.064+/-0.113 χ^2/NDF:21.0/12

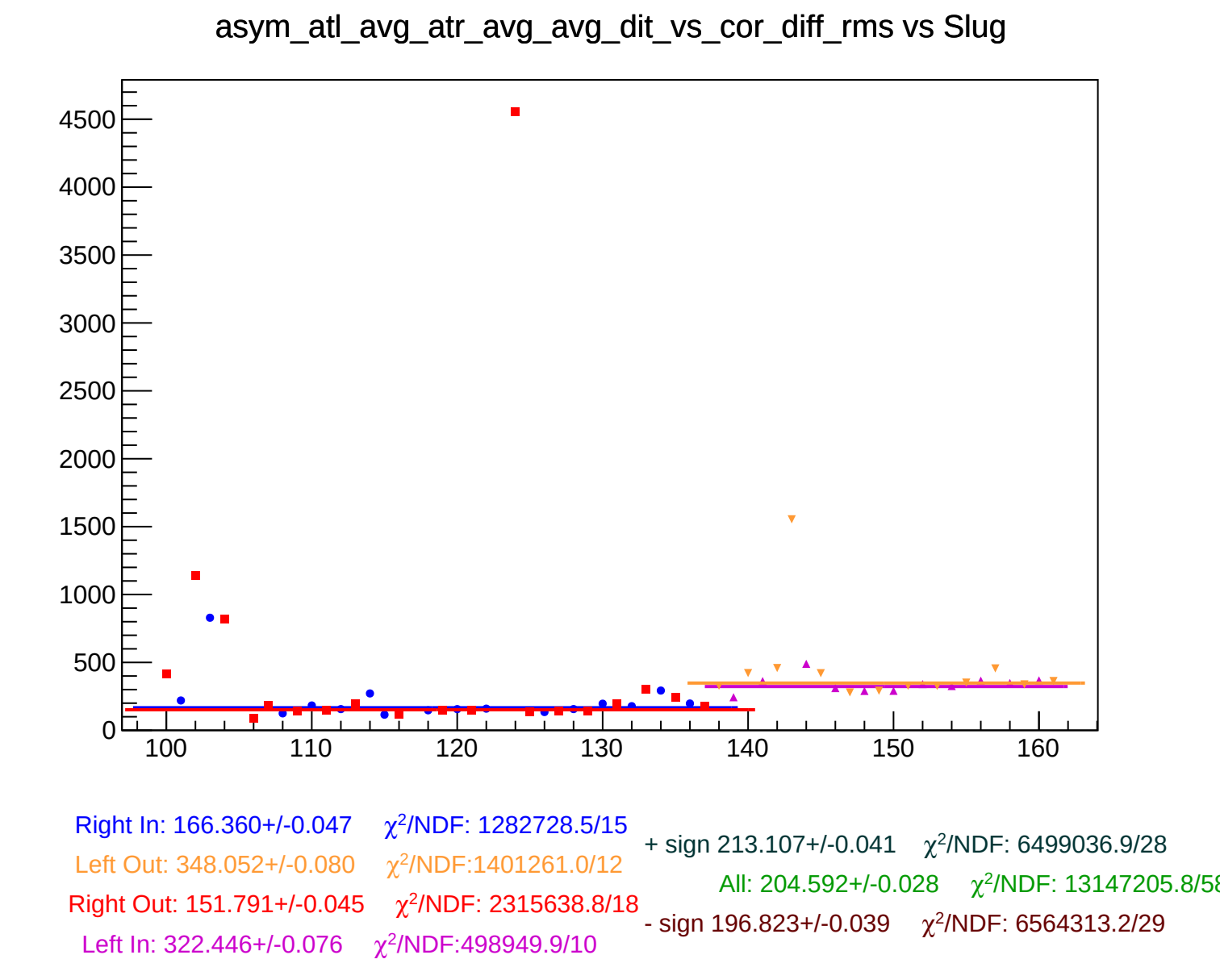
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

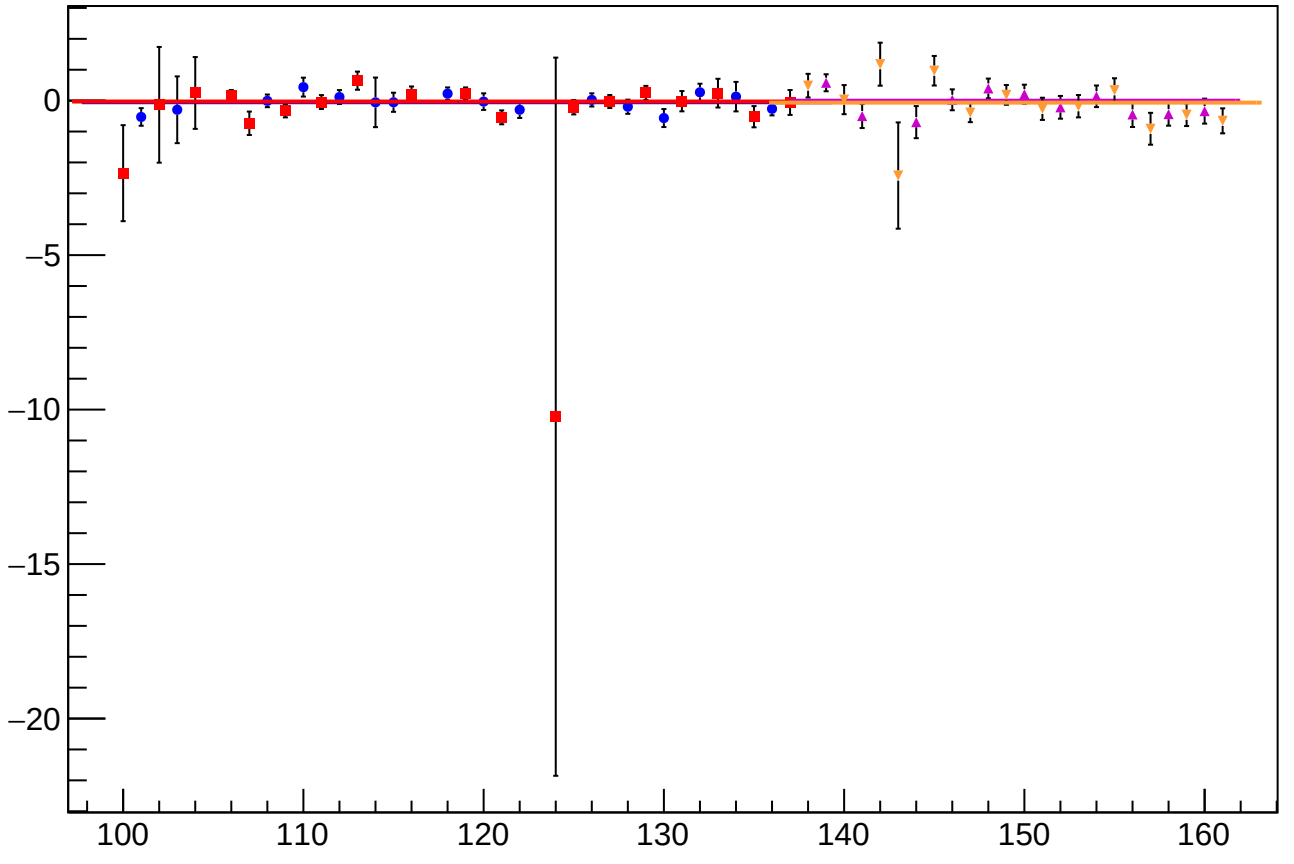
Left In: -0.003+/-0.107 χ^2/NDF:13.6/10

+ sign -0.055+/-0.058 χ^2/NDF: 35.9/28

All: -0.038+/-0.040 χ^2/NDF: 77.2/58

- sign -0.022+/-0.055 χ^2/NDF: 41.2/29


asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
Right In: 166.360+/-0.047 χ²/NDF: 1282728.5/15
Left Out: 348.052+/-0.080 χ²/NDF:1401261.0/12
Right Out: 151.791+/-0.045 χ²/NDF: 2315638.8/18
Left In: 322.446+/-0.076 χ²/NDF:498949.9/10
+ sign 213.107+/-0.041 χ²/NDF: 6499036.9/28
All: 204.592+/-0.028 χ²/NDF: 13147205.8/58
- sign 196.823+/-0.039 χ²/NDF: 6564313.2/29



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.064+/-0.113 χ^2/NDF:21.0/12

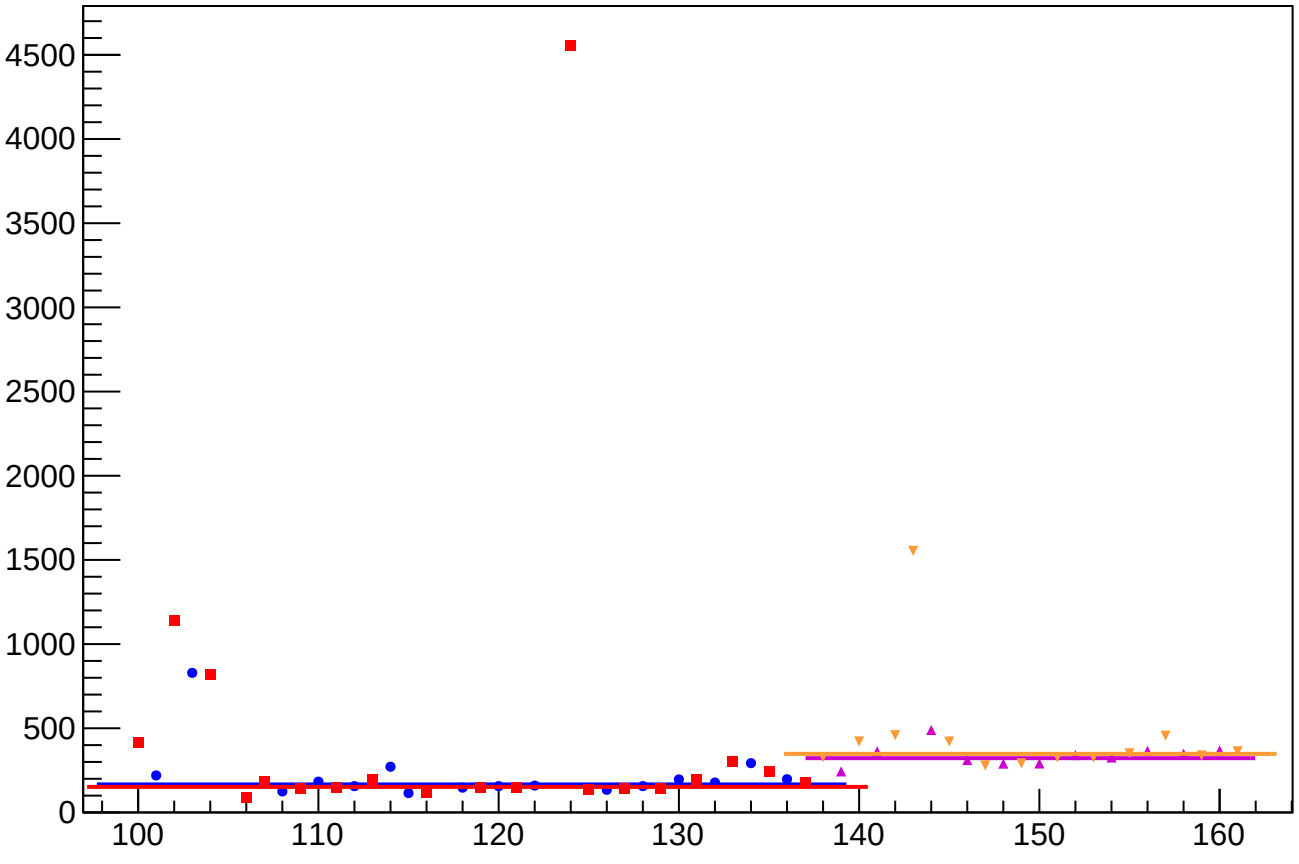
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.003+/-0.107 χ^2/NDF:13.6/10

+ sign -0.055+/-0.058 χ^2/NDF: 35.9/28

All: -0.038+/-0.040 χ^2/NDF: 77.2/58

- sign -0.022+/-0.055 χ^2/NDF: 41.2/29



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 348.052+/-0.080 χ^2/NDF:1401261.0/12

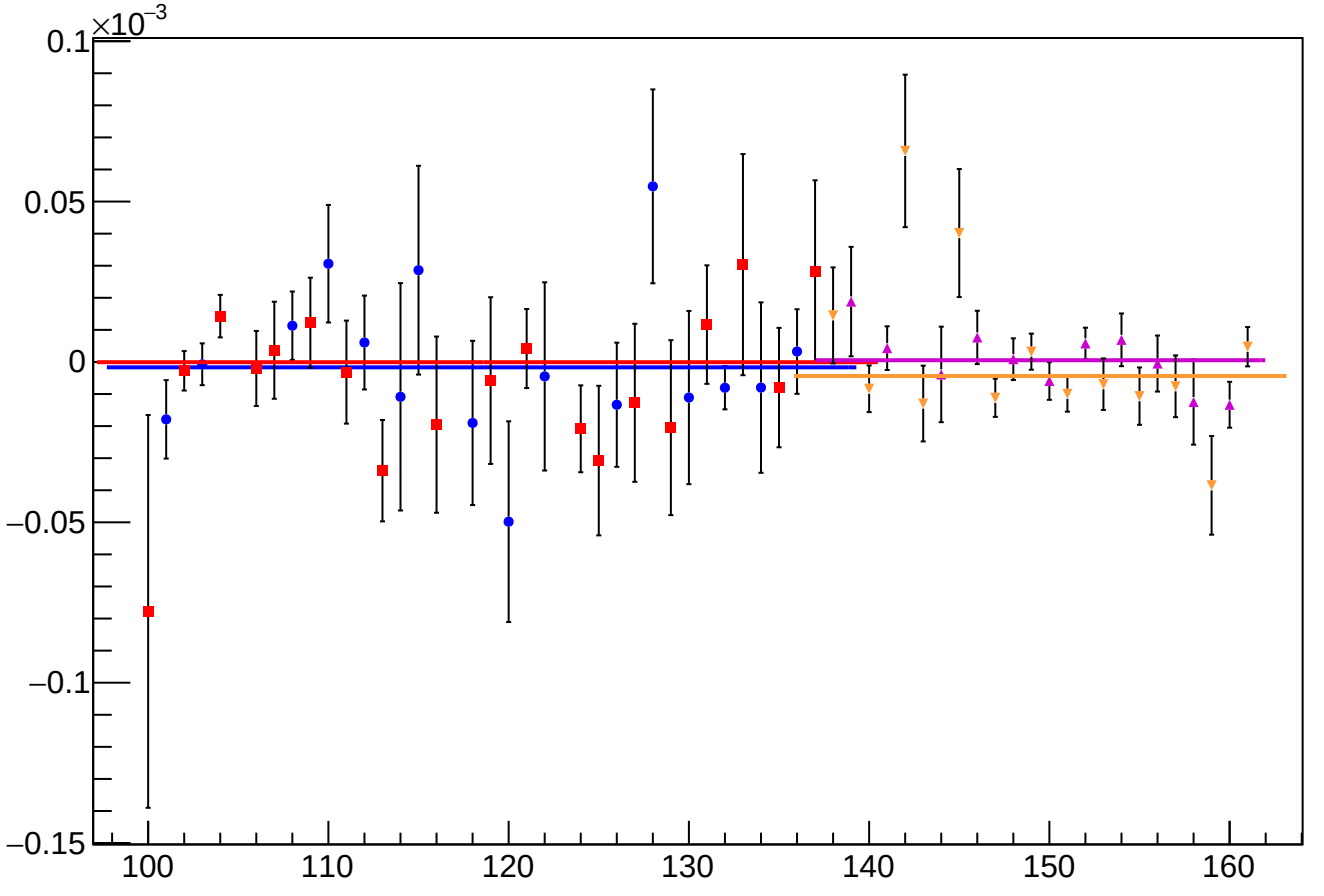
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 322.446+/-0.076 χ^2/NDF:498949.9/10

+ sign 213.107+/-0.041 χ^2/NDF: 6499036.9/28

All: 204.592+/-0.028 χ^2/NDF: 13147205.8/58

- sign 196.823+/-0.039 χ^2/NDF: 6564313.2/29



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.1/12

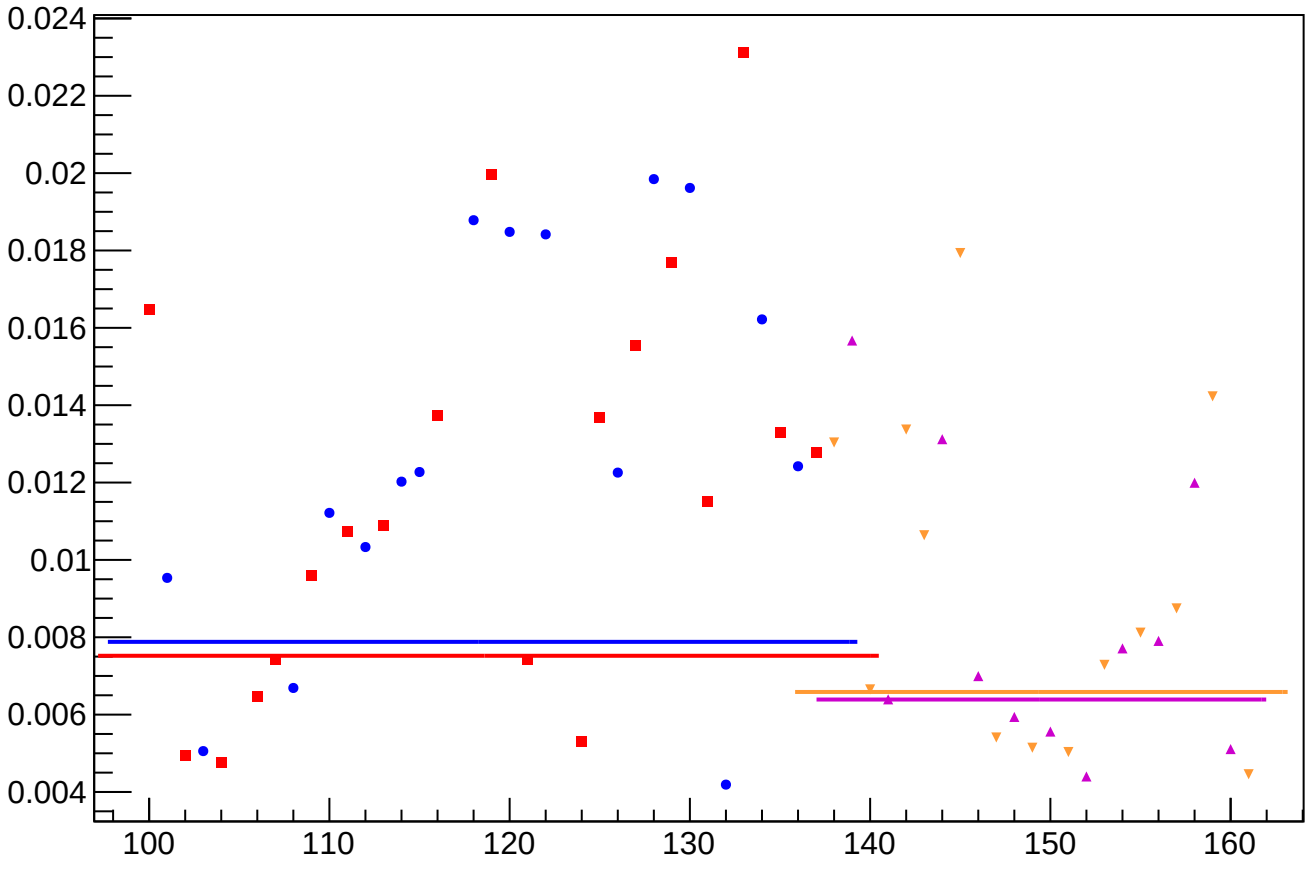
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 44.0/28

All: -0.000+/-0.000 χ^2/NDF: 76.1/58

- sign 0.000+/-0.000 χ^2/NDF: 29.9/29



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:2691139.1/12

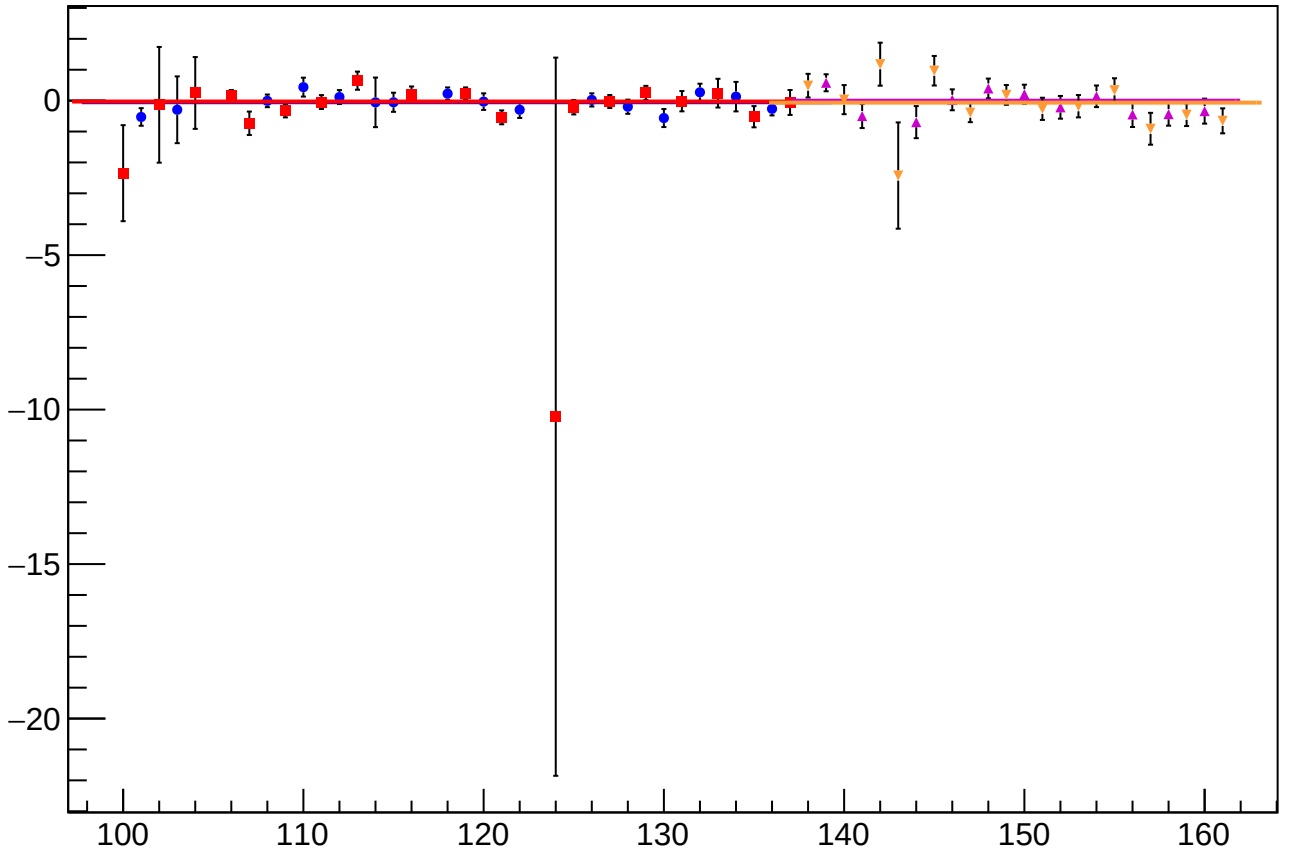
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.006+/-0.000 χ^2/NDF:1921860.1/10

+ sign 0.007+/-0.000 χ^2/NDF: 6194440.5/28

All: 0.007+/-0.000 χ^2/NDF: 11272905.0/58

- sign 0.007+/-0.000 χ^2/NDF: 5067063.0/29



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.064+/-0.113 χ^2/NDF:21.0/12

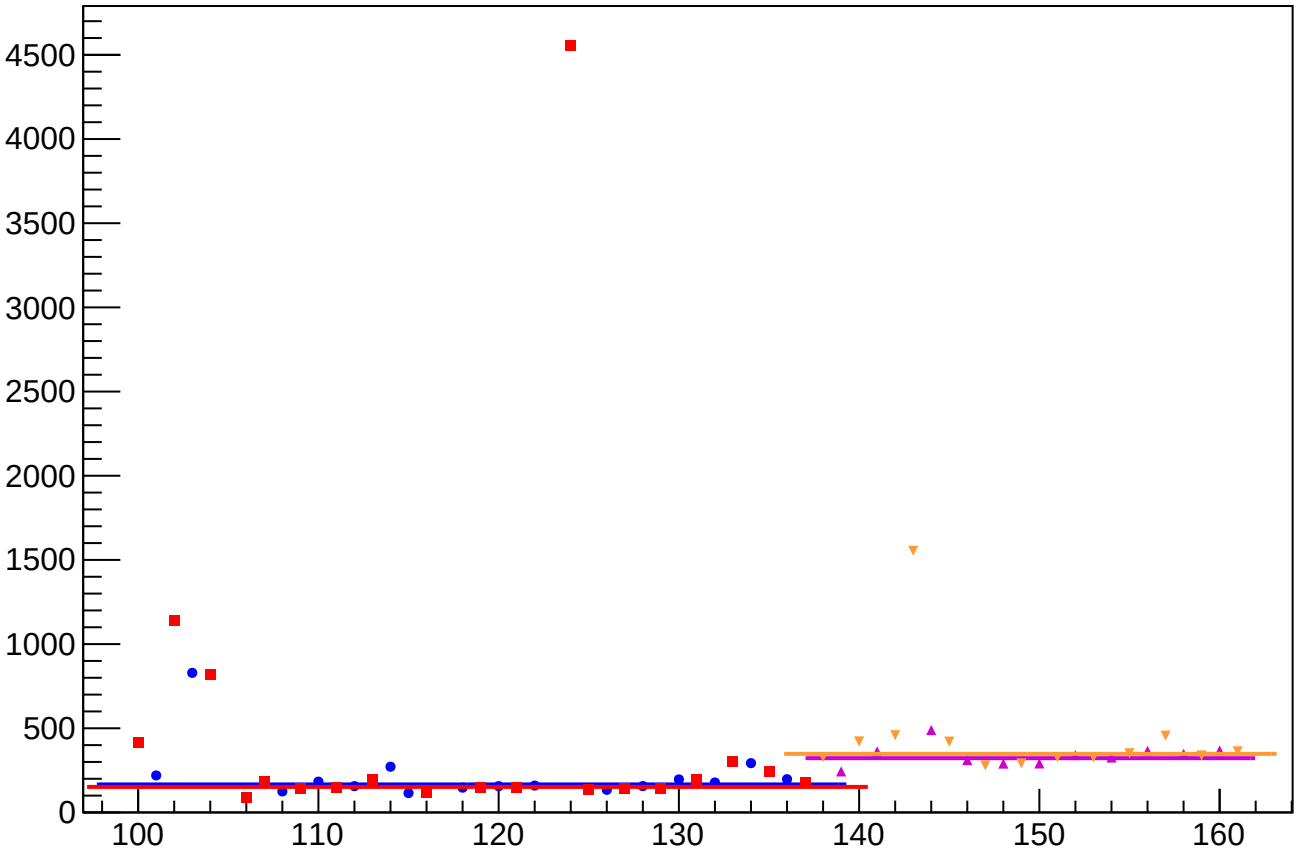
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.003+/-0.107 χ^2/NDF:13.6/10

+ sign -0.055+/-0.058 χ^2/NDF: 35.9/28

All: -0.038+/-0.040 χ^2/NDF: 77.3/58

- sign -0.022+/-0.055 χ^2/NDF: 41.2/29



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 348.056+/-0.080 χ^2/NDF:1401261.2/12

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

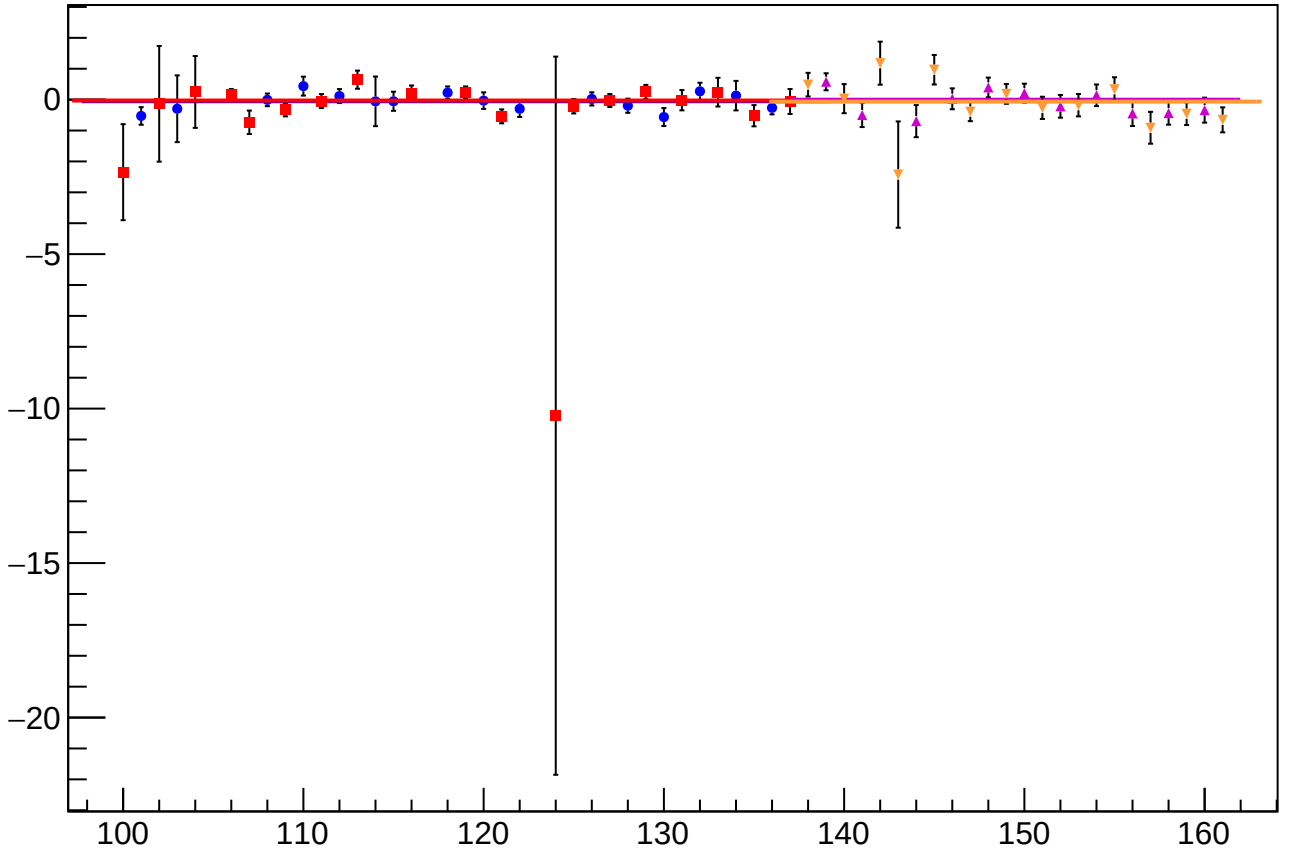
Left In: 322.450+/-0.076 χ^2/NDF:498936.6/10

+ sign 213.106+/-0.041 χ^2/NDF: 6499184.0/28

All: 204.591+/-0.028 χ^2/NDF: 13147548.4/58

- sign 196.821+/-0.039 χ^2/NDF: 6564502.2/29

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.064+/-0.113 χ^2/NDF:21.0/12

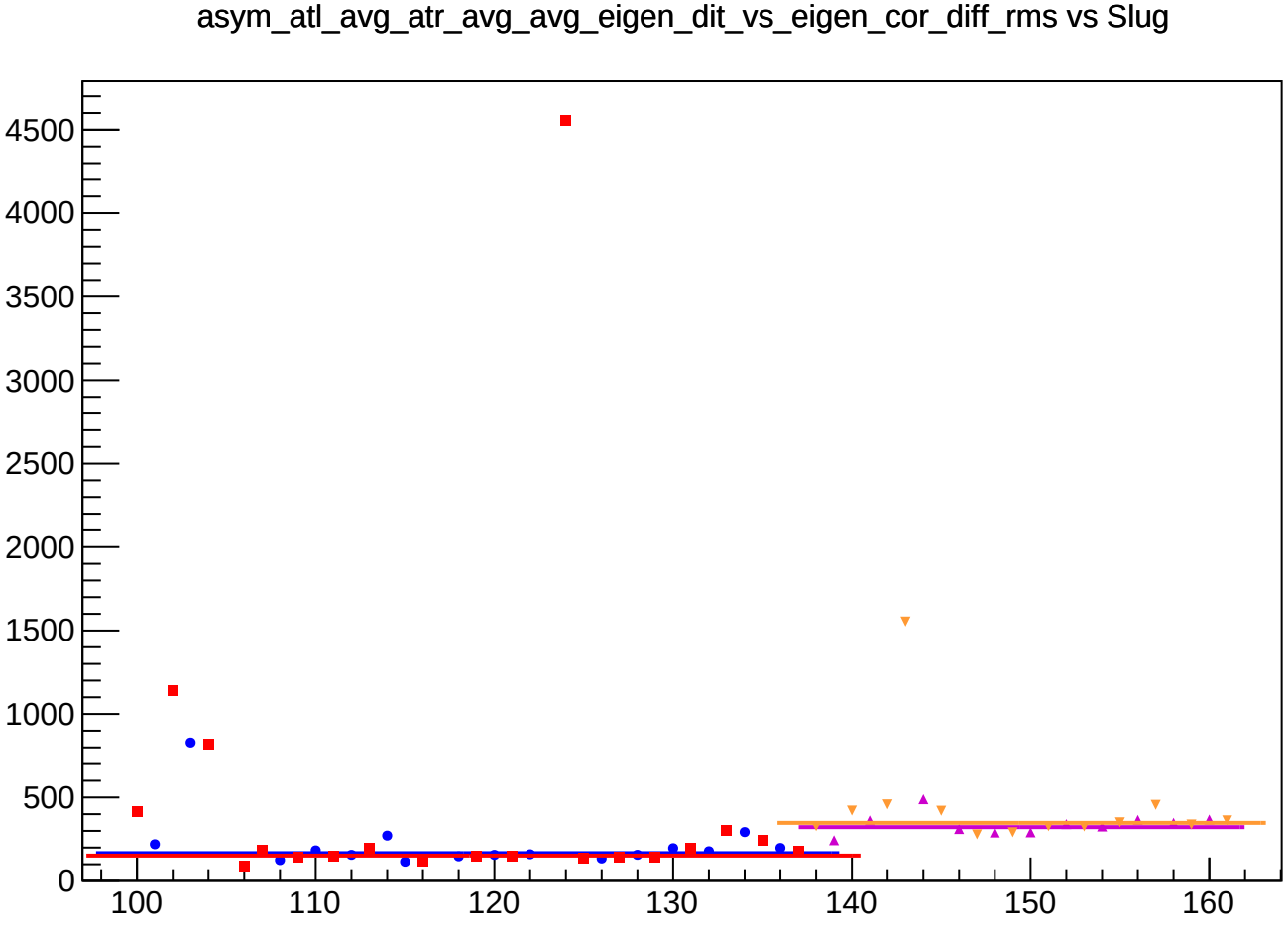
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.003+/-0.107 χ^2/NDF:13.6/10

+ sign -0.055+/-0.058 χ^2/NDF: 35.9/28

All: -0.038+/-0.040 χ^2/NDF: 77.3/58

- sign -0.022+/-0.055 χ^2/NDF: 41.2/29



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 348.056+/-0.080 χ^2/NDF:1401261.2/12

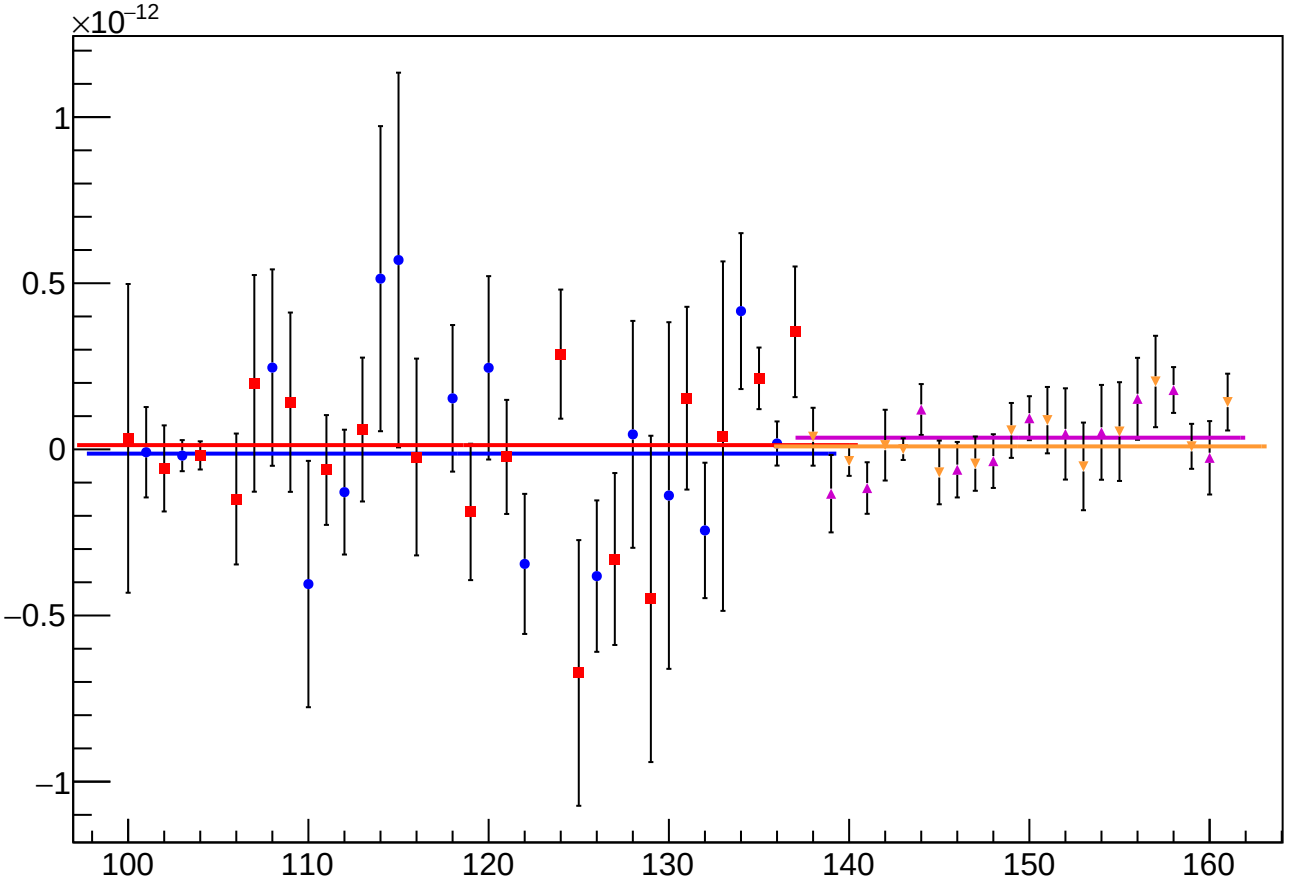
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 322.450+/-0.076 χ^2/NDF:498936.6/10

+ sign 213.106+/-0.041 χ^2/NDF: 6499184.0/28

All: 204.591+/-0.028 χ^2/NDF: 13147548.4/58

- sign 196.821+/-0.039 χ^2/NDF: 6564502.2/29



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/12

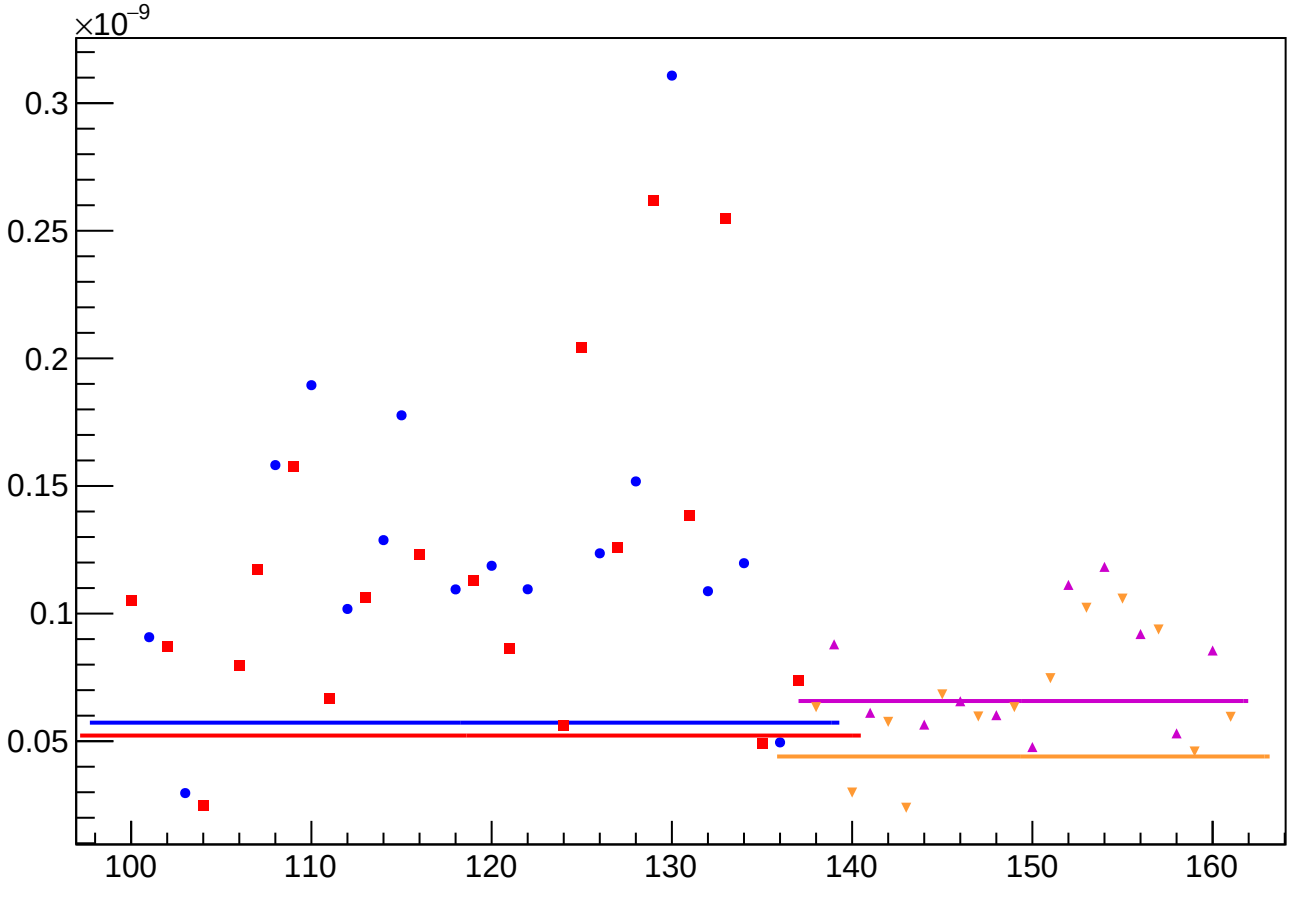
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:15.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 24.4/28

All: 0.000+/-0.000 χ^2/NDF: 59.9/58

- sign 0.000+/-0.000 χ^2/NDF: 34.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2656933.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

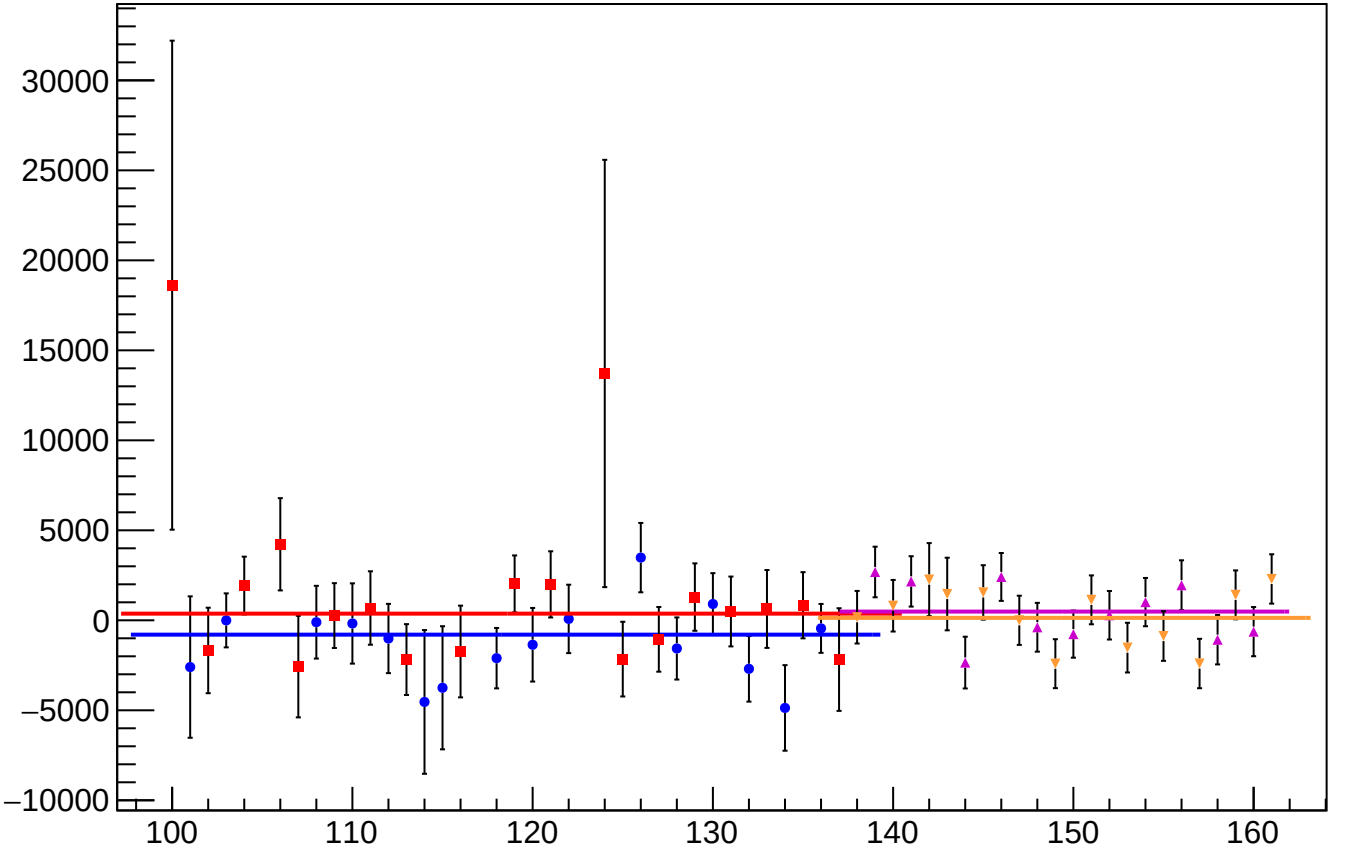
Left In: 0.000+/-0.000 χ^2/NDF:980172.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 5881205.7/28

All: 0.000+/-0.000 χ^2/NDF: 10826048.8/58

- sign 0.000+/-0.000 χ^2/NDF: 4482224.5/29

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 134.971+/-403.098 χ^2/NDF:15.4/12

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

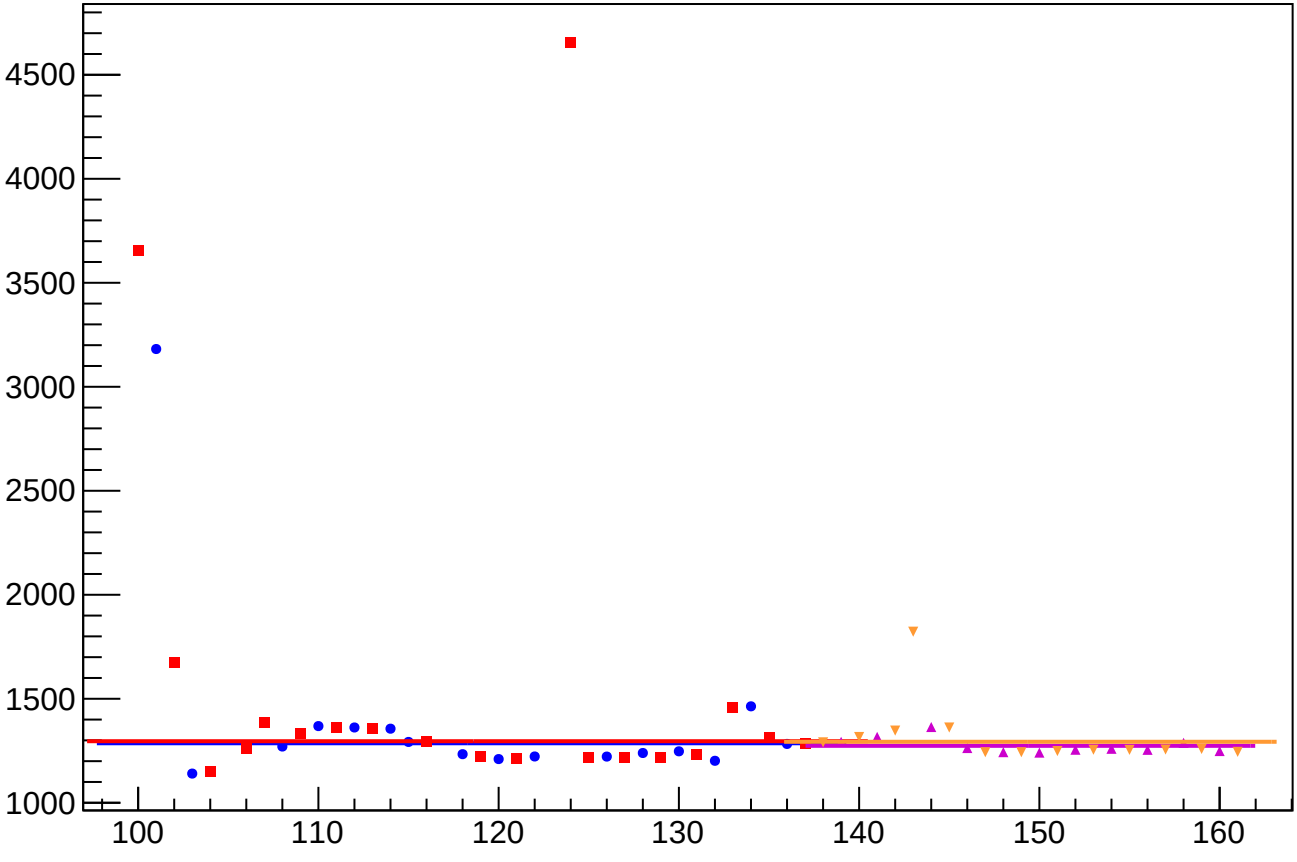
Left In: 484.590+/-412.146 χ^2/NDF:14.4/10

+ sign -243.637+/-310.642 χ^2/NDF: 31.0/28

All: 92.533+/-220.935 χ^2/NDF: 63.5/58

- sign 436.639+/-314.287 χ^2/NDF: 30.1/29

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1293.237+/-0.285 χ^2/NDF:159687.5/12

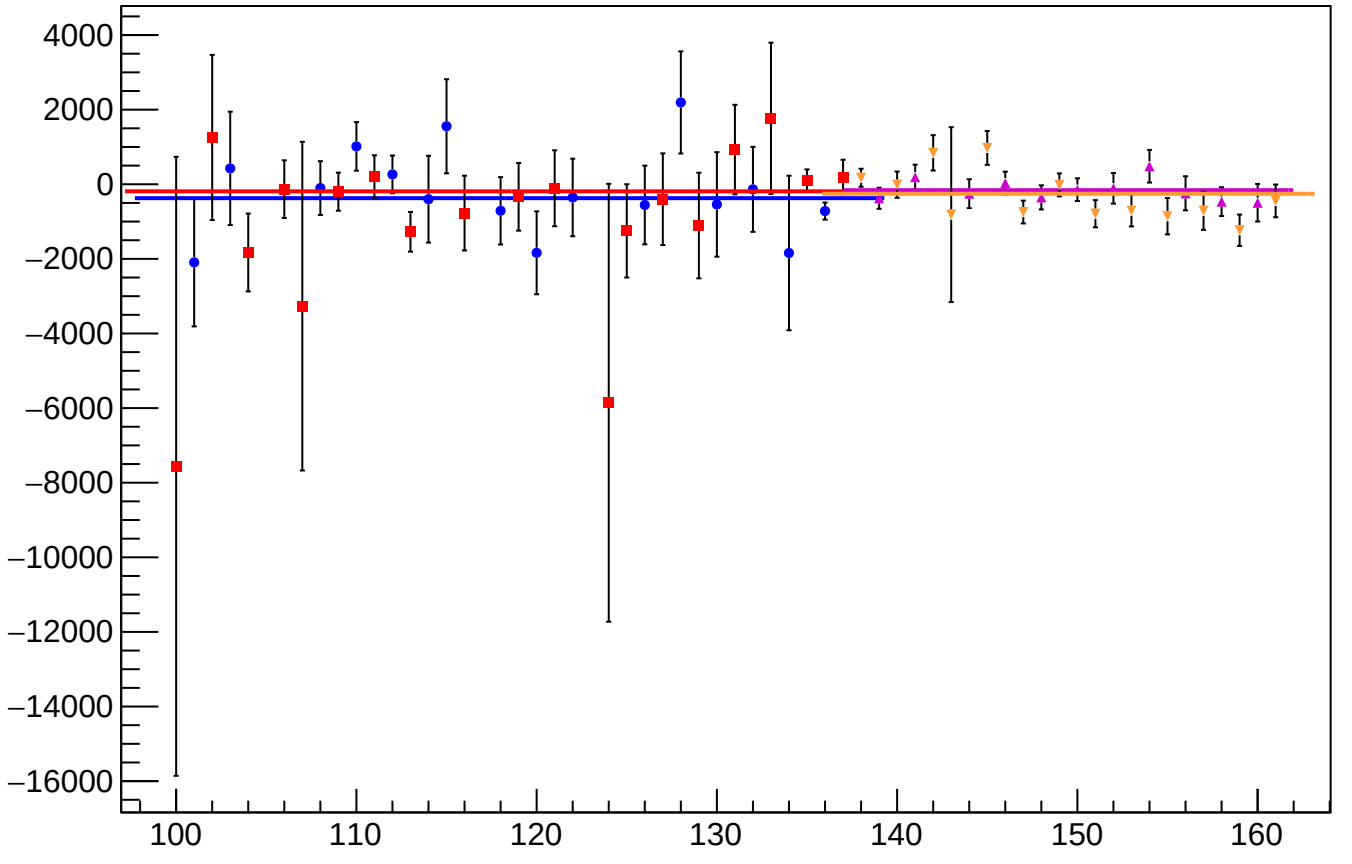
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

+ sign 1290.337+/-0.220 χ^2/NDF: 678069.2/28

All: 1286.742+/-0.156 χ^2/NDF: 1023535.7/58

- sign 1283.062+/-0.222 χ^2/NDF: 344924.5/29



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -254.920+/-106.603 χ^2/NDF:30.8/12

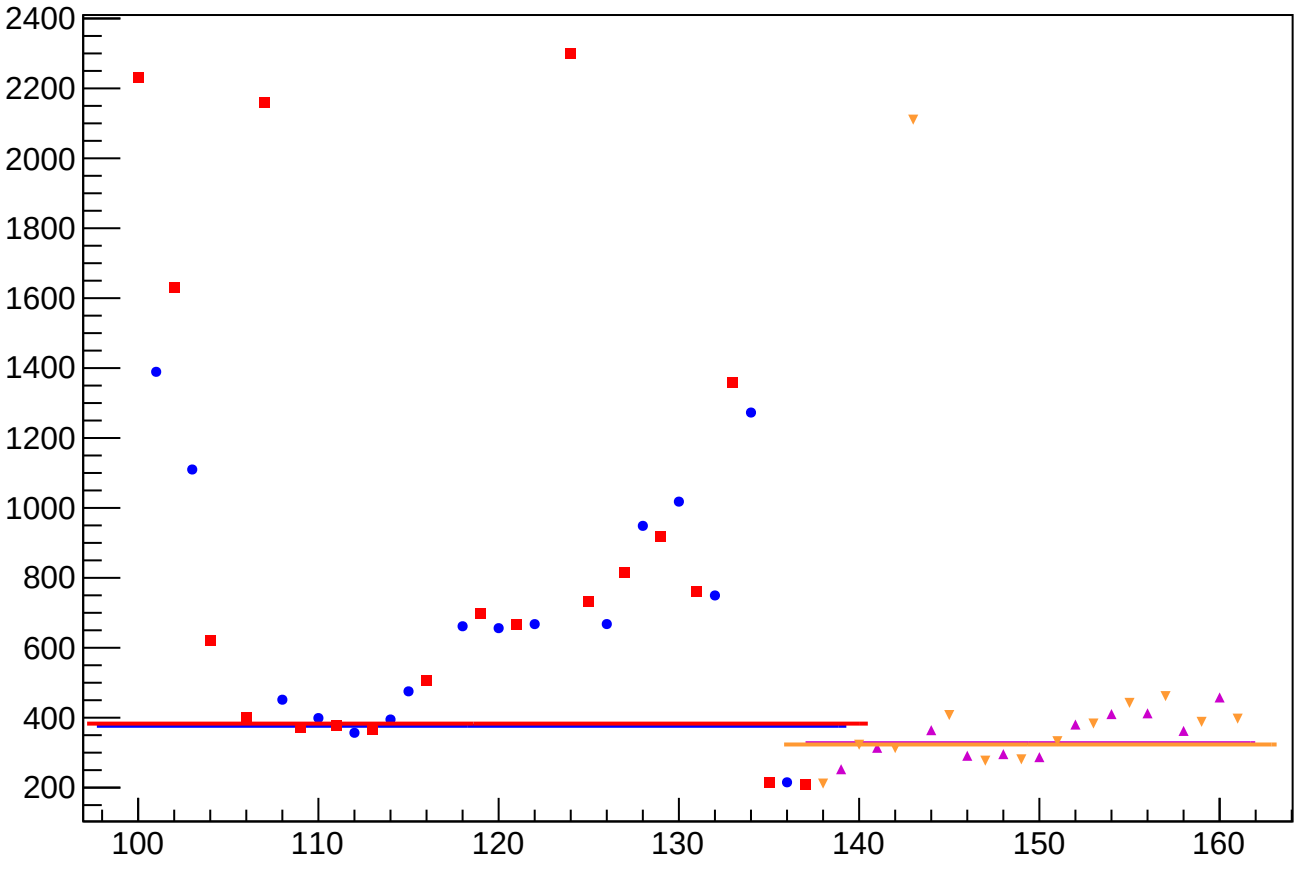
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -159.231+/-108.014 χ^2/NDF:5.7/10

+ sign -288.565+/-90.043 χ^2/NDF: 49.3/28

All: -228.893+/-64.041 χ^2/NDF: 70.6/58

- sign -167.808+/-91.102 χ^2/NDF: 20.4/29



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 323.380+/-0.075 χ^2/NDF:2156412.8/12

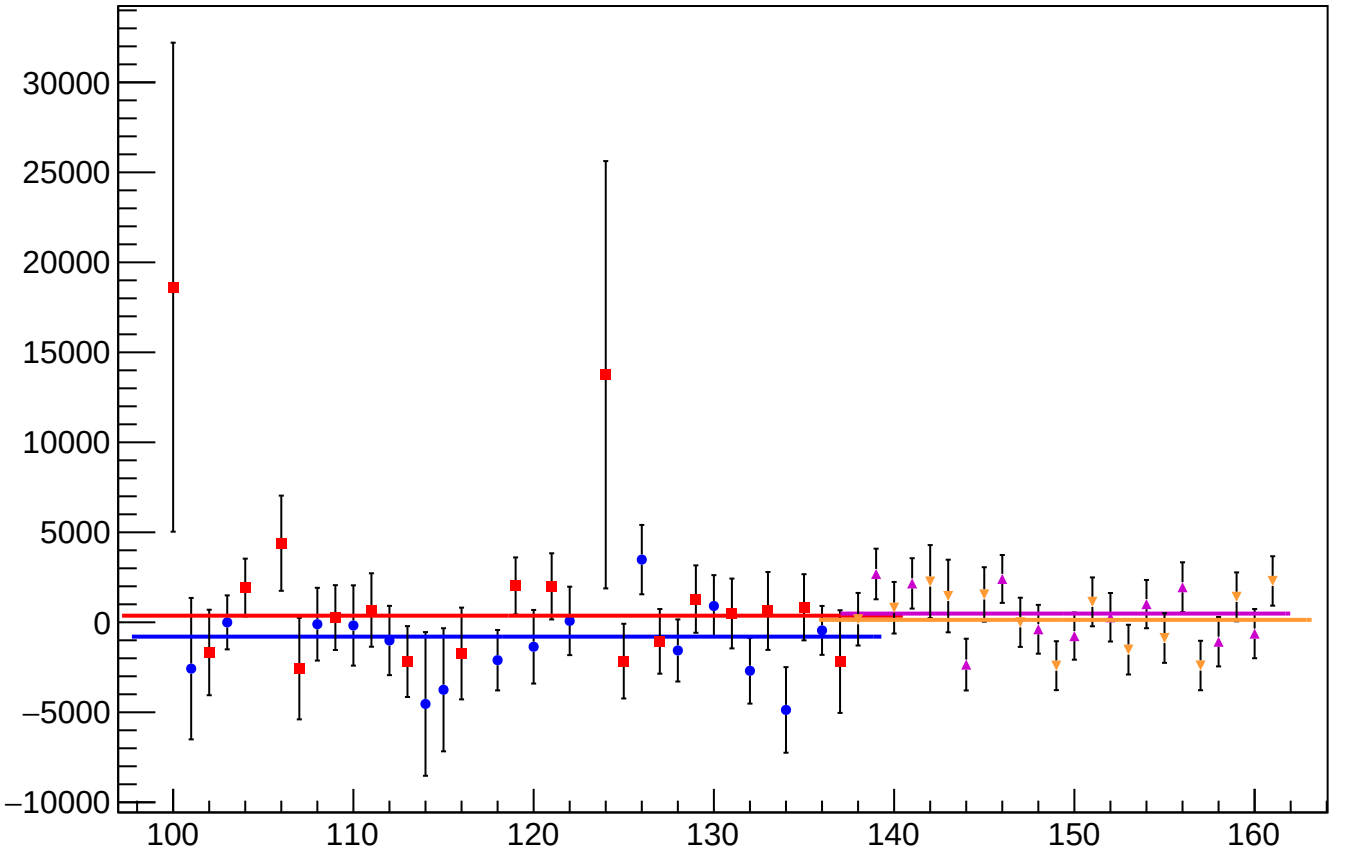
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 327.083+/-0.076 χ^2/NDF:568812.3/10

+ sign 338.715+/-0.064 χ^2/NDF: 6491026.2/28

All: 340.953+/-0.045 χ^2/NDF: 11271568.8/58

- sign 343.243+/-0.064 χ^2/NDF: 4778042.9/29



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 135.033+/-403.098 χ^2/NDF:15.4/12

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

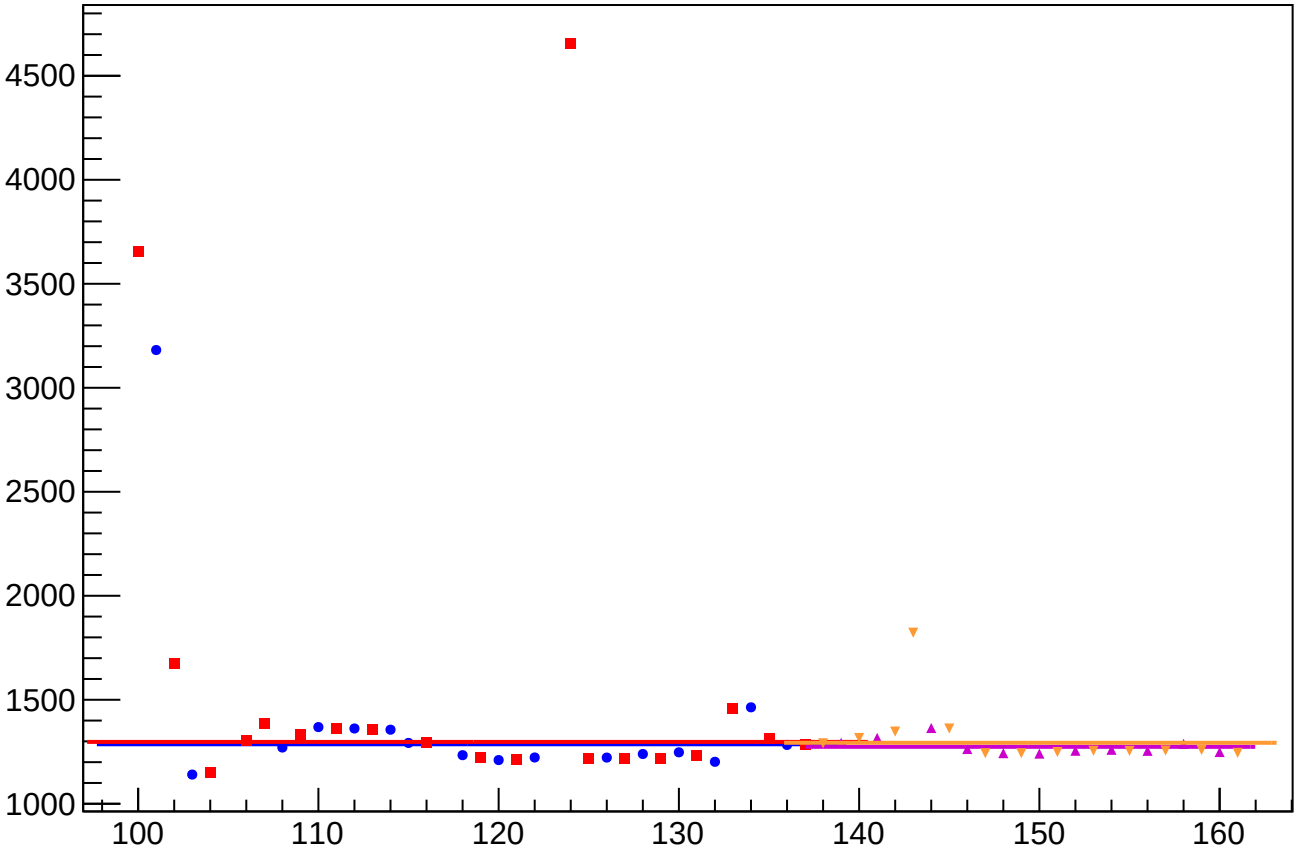
Left In: 484.545+/-412.146 χ^2/NDF:14.5/10

+ sign -243.437+/-310.642 χ^2/NDF: 31.0/28

All: 91.975+/-220.984 χ^2/NDF: 63.5/58

- sign 435.613+/-314.429 χ^2/NDF: 30.2/29

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1293.237+/-0.285 χ^2/NDF:159687.5/12

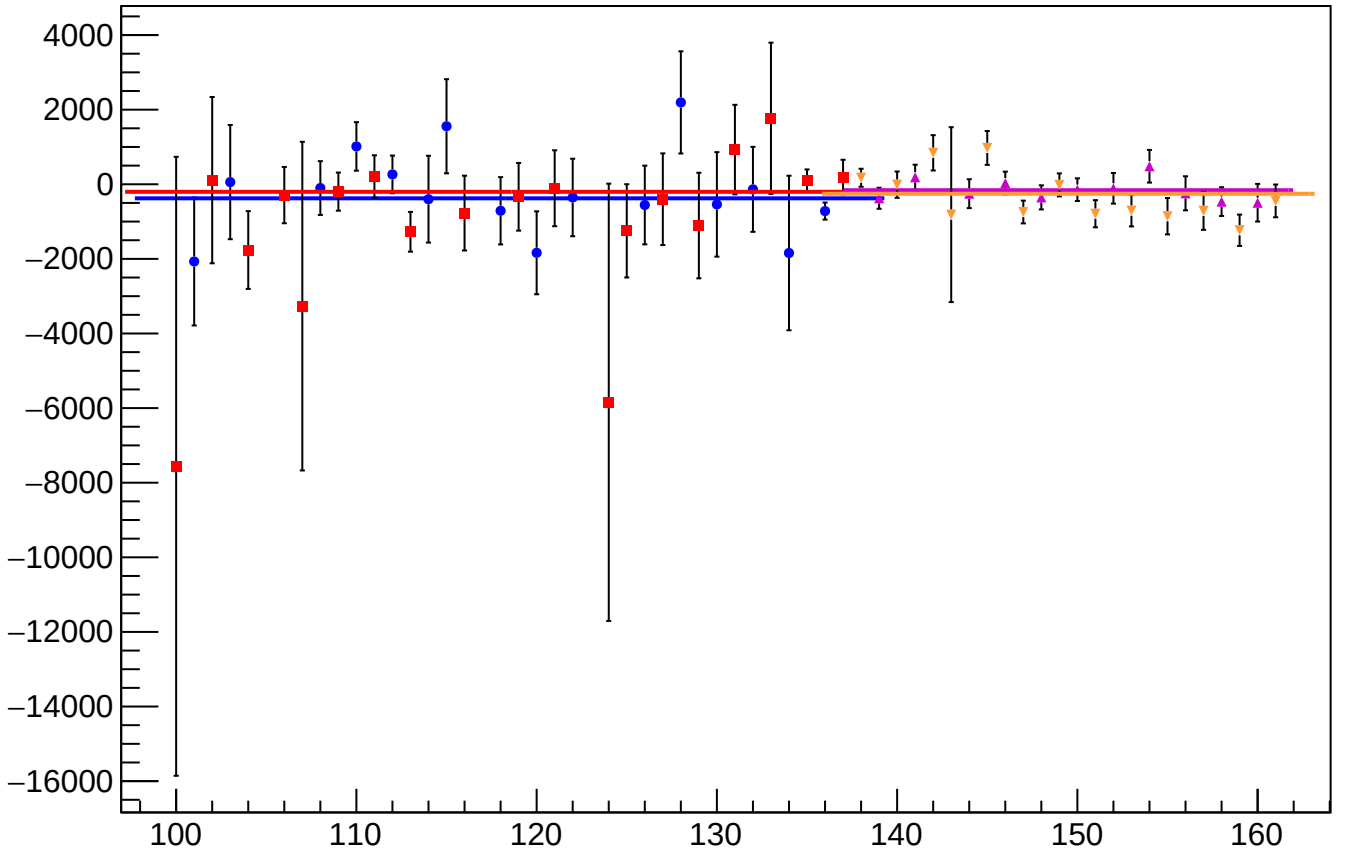
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

+ sign 1290.337+/-0.220 χ^2/NDF: 678070.7/28

All: 1287.038+/-0.156 χ^2/NDF: 1023447.4/58

- sign 1283.657+/-0.222 χ^2/NDF: 344920.0/29



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -254.928+/-106.606 χ^2/NDF:30.8/12

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

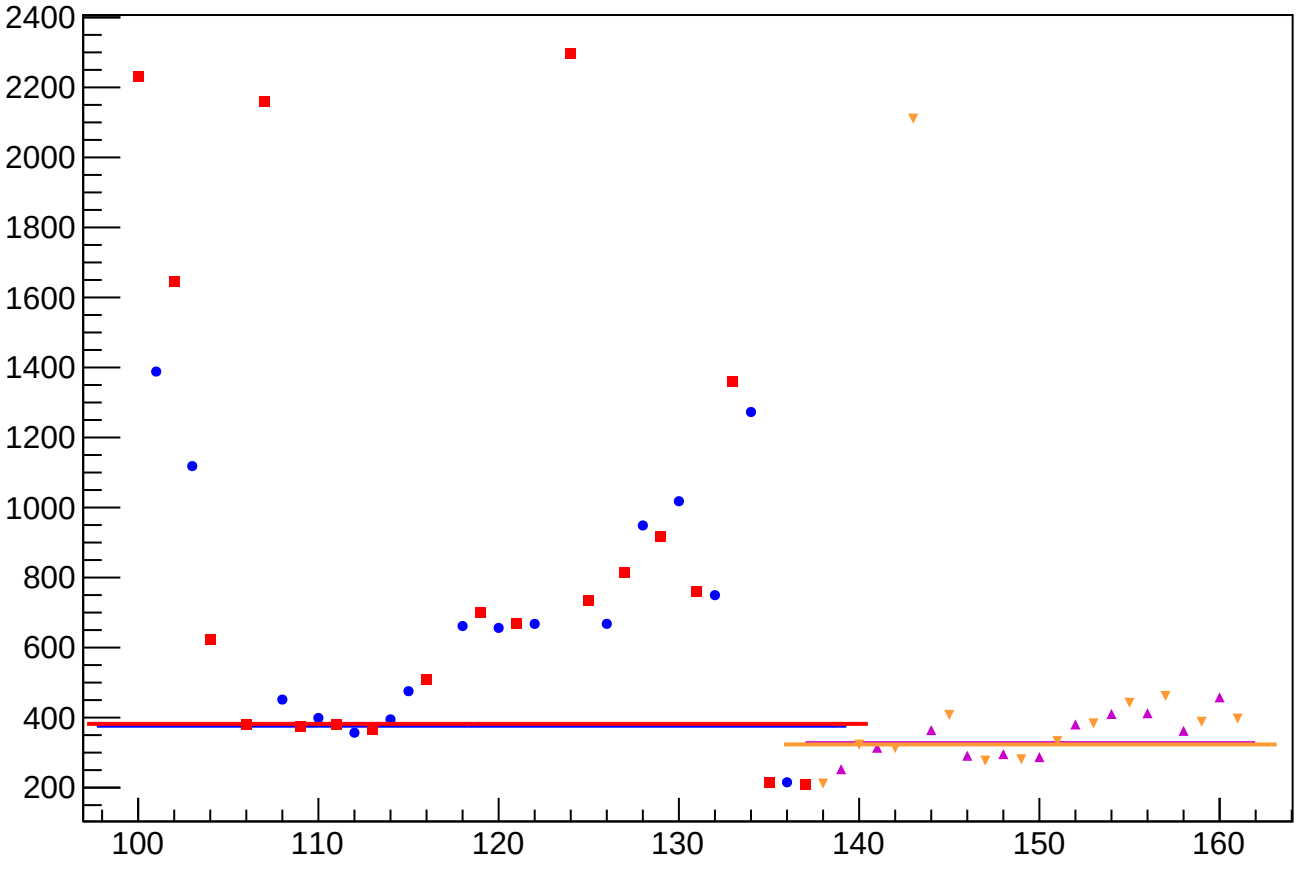
Left In: -159.258+/-108.014 χ^2/NDF:5.7/10

+ sign -289.839+/-90.047 χ^2/NDF: 49.1/28

All: -231.416+/-64.032 χ^2/NDF: 69.8/58

- sign -171.657+/-91.072 χ^2/NDF: 19.8/29

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: 323.389+/-0.075 χ^2/NDF:2156304.9/12

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

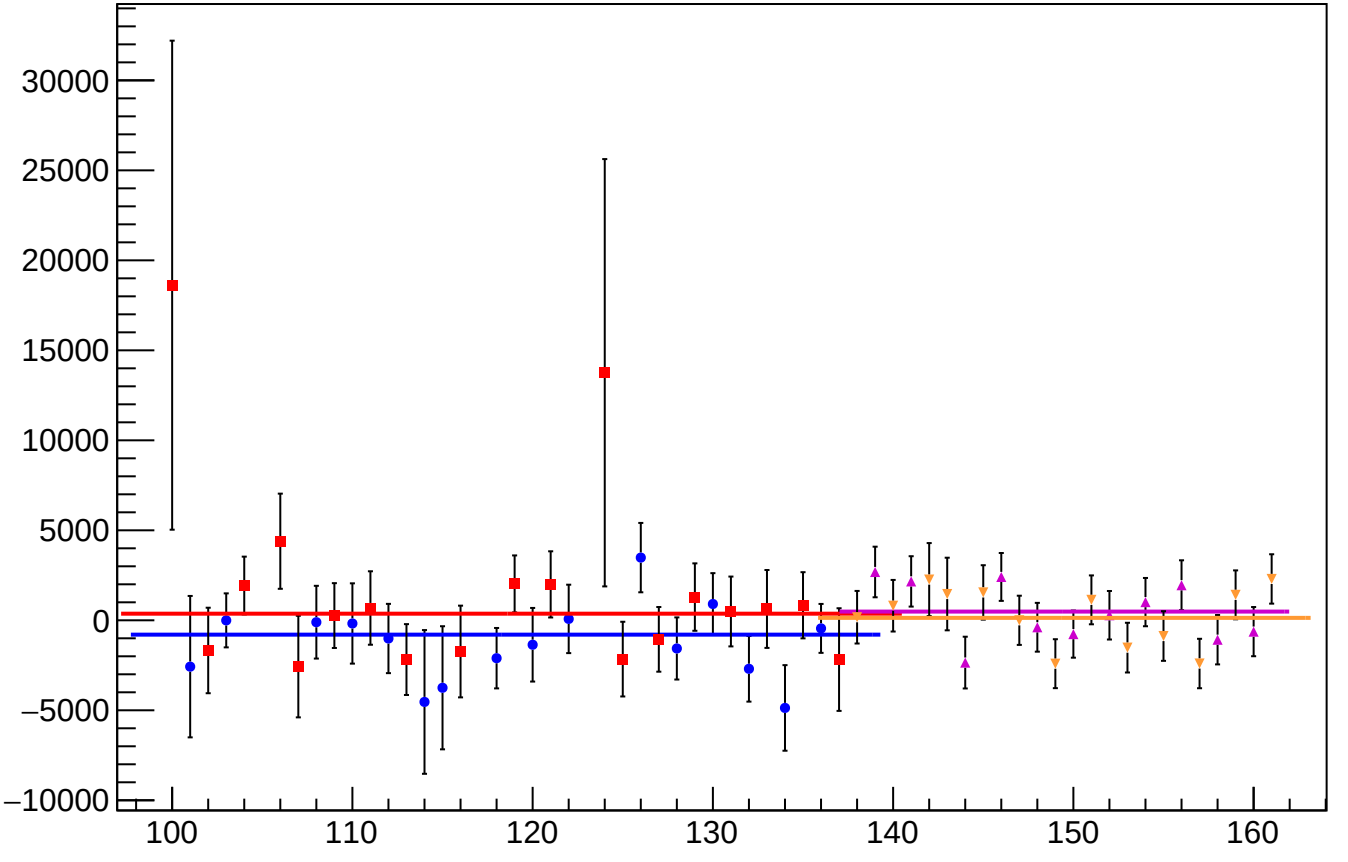
Left In: 327.082+/-0.076 χ^2/NDF:568907.4/10

+ sign 338.717+/-0.064 χ^2/NDF: 6493929.9/28

All: 340.833+/-0.045 χ^2/NDF: 11274883.8/58

- sign 342.998+/-0.064 χ^2/NDF: 4778718.8/29

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 135.033+/-403.098 χ^2/NDF:15.4/12

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

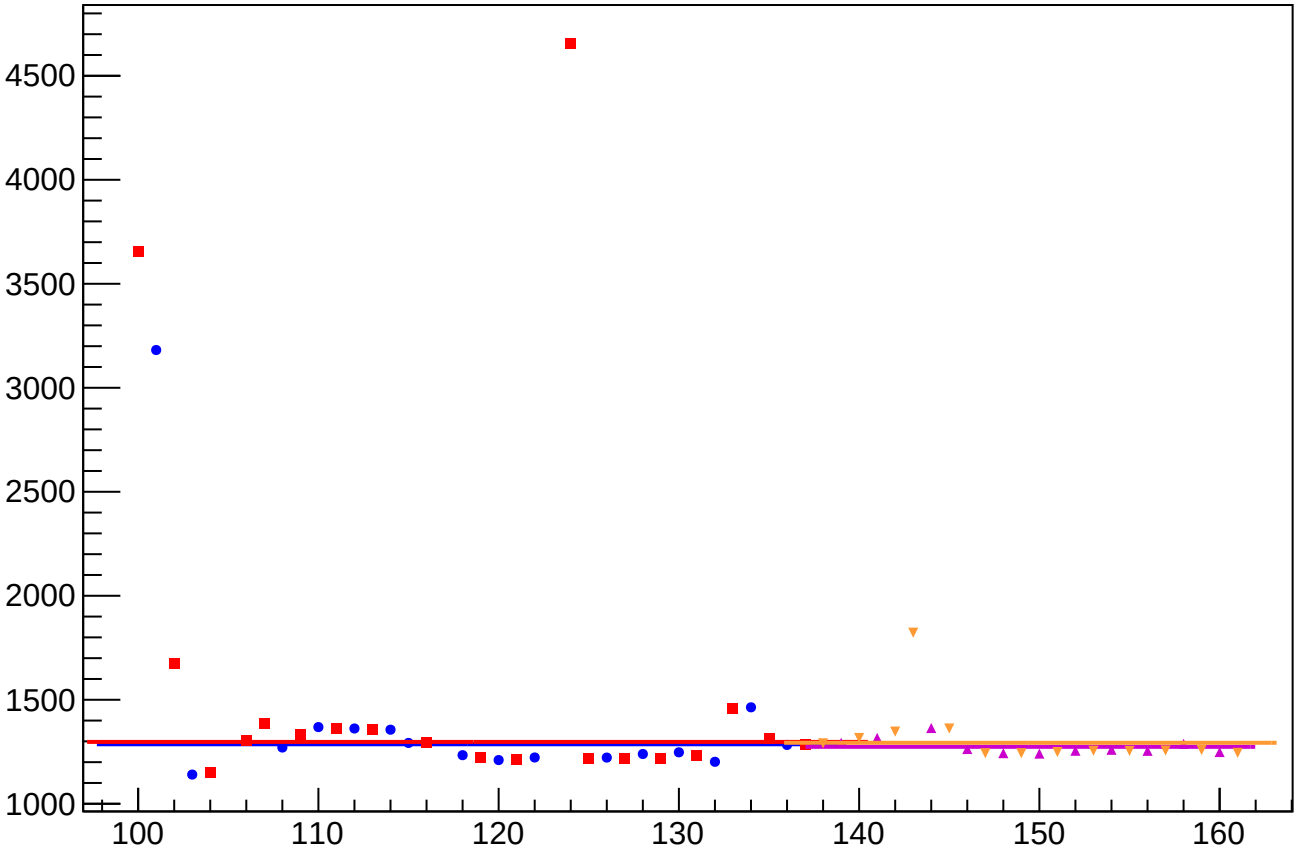
Left In: 484.545+/-412.146 χ^2/NDF:14.5/10

+ sign -243.437+/-310.642 χ^2/NDF: 31.0/28

All: 91.975+/-220.984 χ^2/NDF: 63.5/58

- sign 435.613+/-314.429 χ^2/NDF: 30.2/29

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: 1293.237+/-0.285 χ^2/NDF:159687.5/12

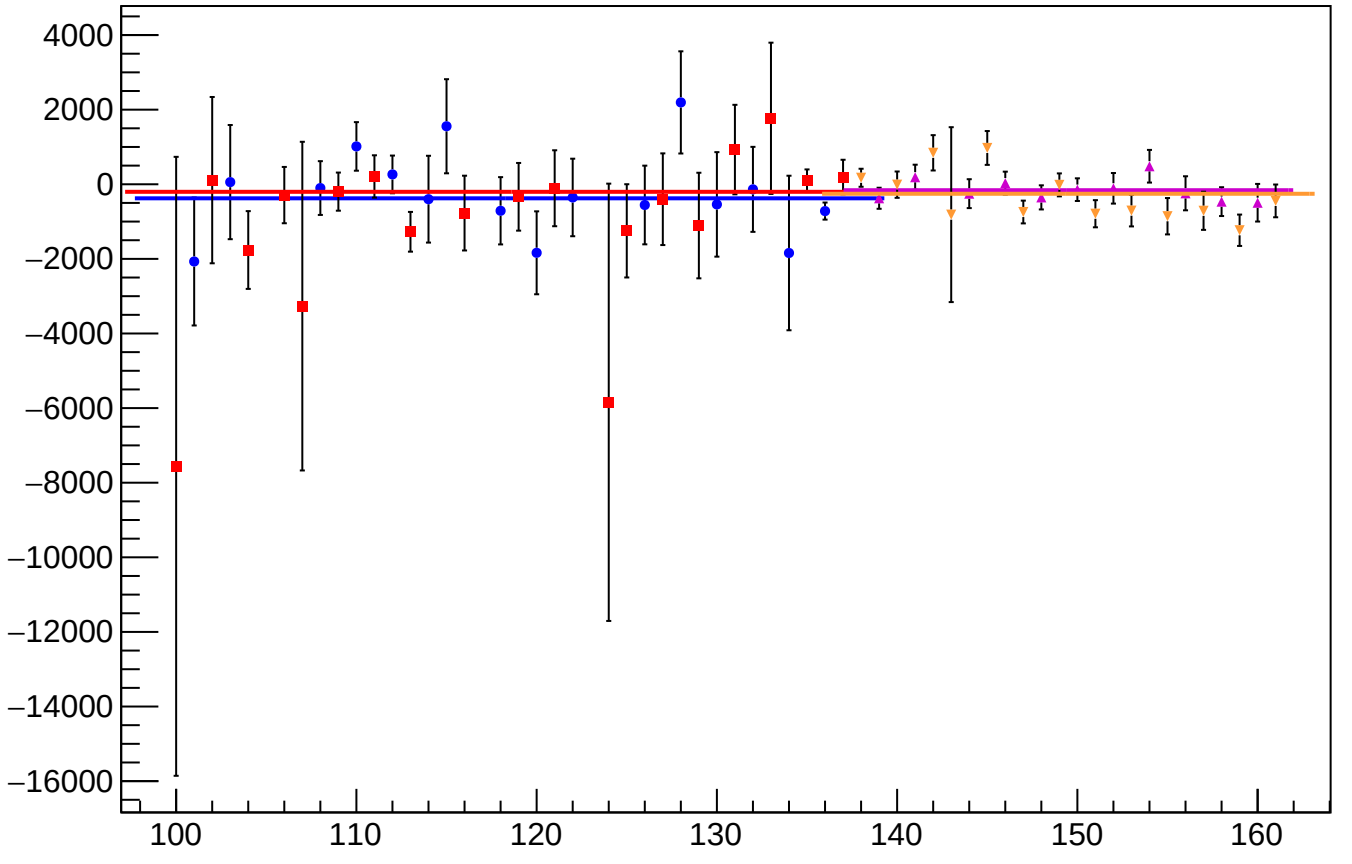
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

+ sign 1290.337+/-0.220 χ^2/NDF: 678070.7/28

All: 1287.038+/-0.156 χ^2/NDF: 1023447.4/58

- sign 1283.657+/-0.222 χ^2/NDF: 344920.0/29



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -254.928+/-106.606 χ^2/NDF:30.8/12

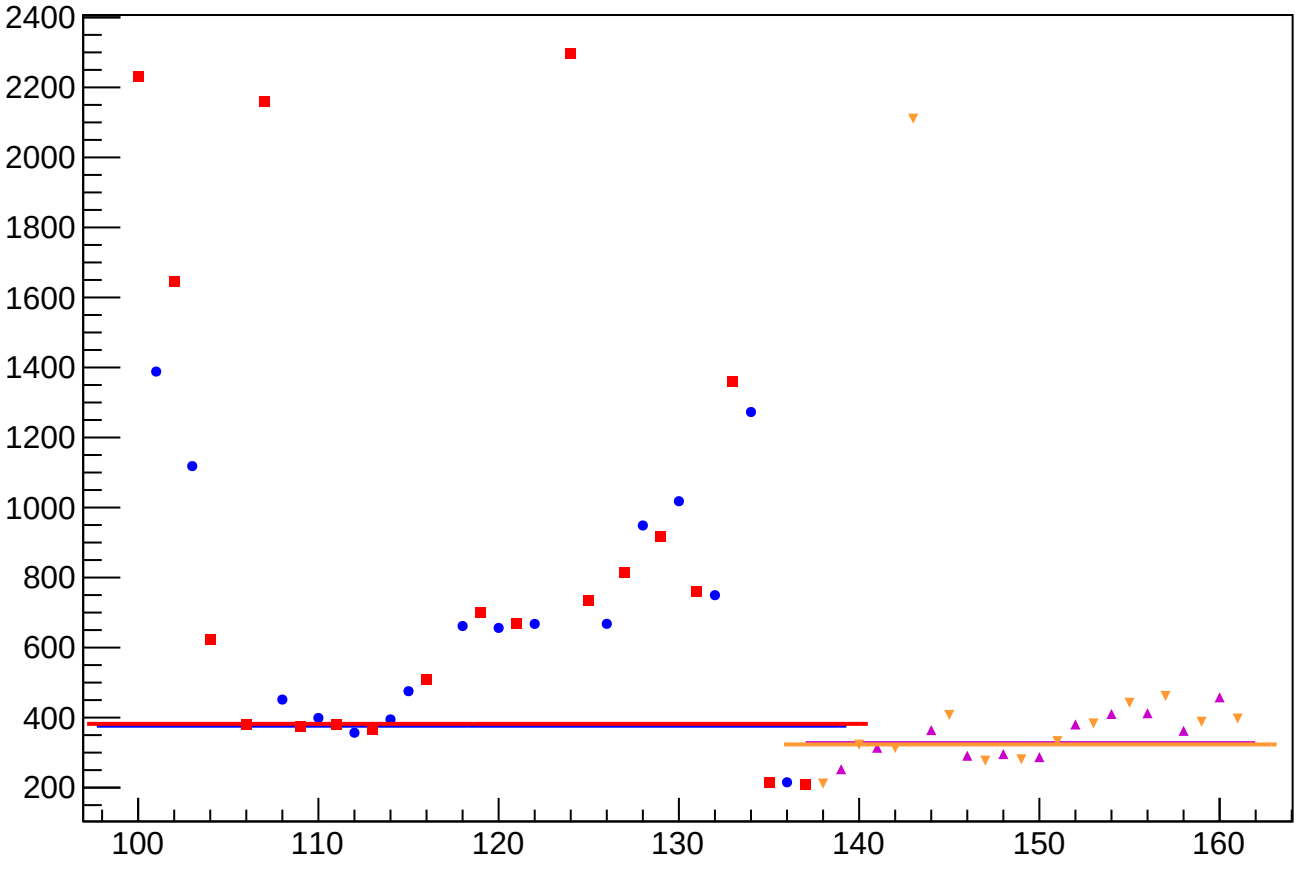
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -159.258+/-108.014 χ^2/NDF:5.7/10

+ sign -289.839+/-90.047 χ^2/NDF: 49.1/28

All: -231.416+/-64.032 χ^2/NDF: 69.8/58

- sign -171.657+/-91.072 χ^2/NDF: 19.8/29



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 323.389+/-0.075 χ^2/NDF:2156304.9/12

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

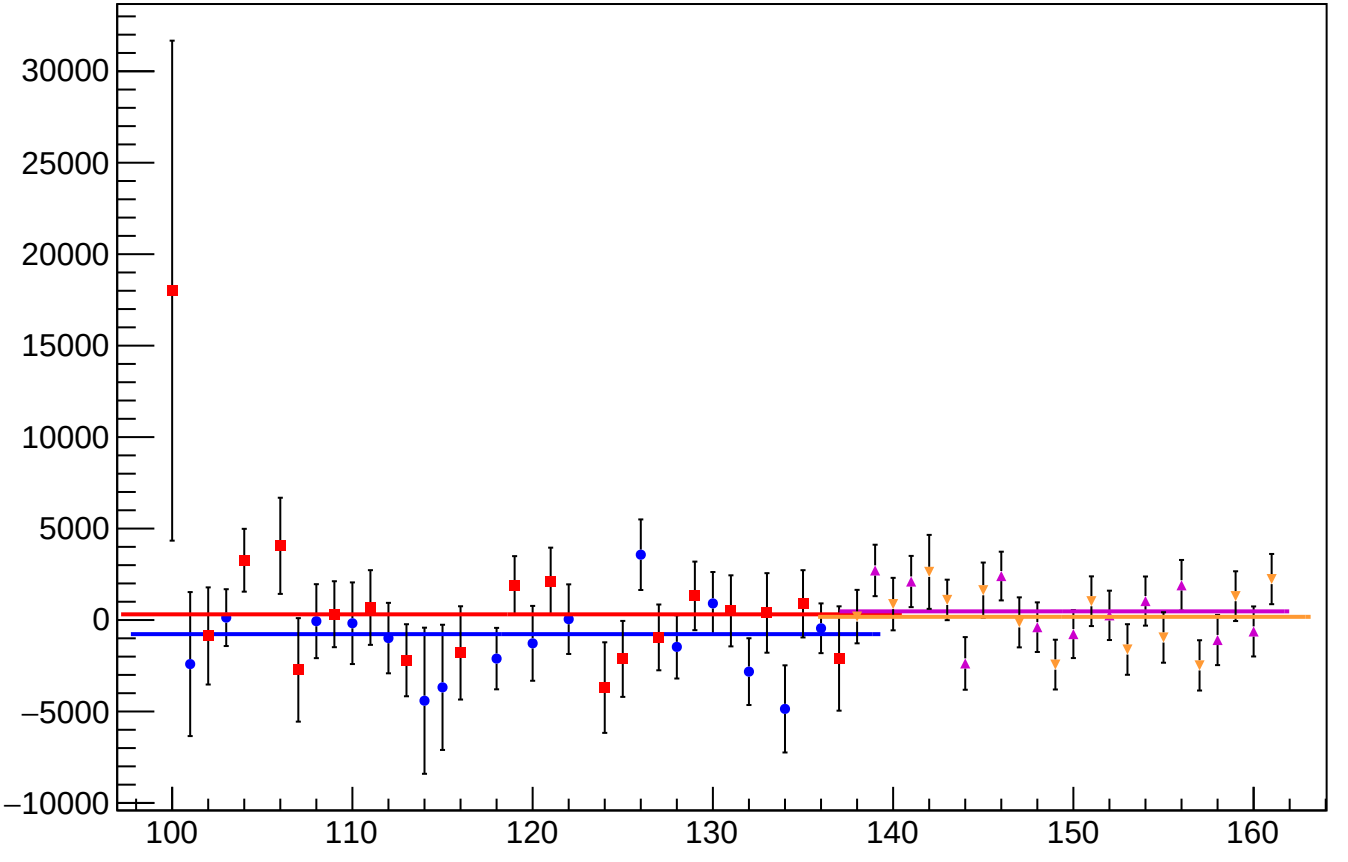
Left In: 327.082+/-0.076 χ^2/NDF:568907.4/10

+ sign 338.717+/-0.064 χ^2/NDF: 6493929.9/28

All: 340.833+/-0.045 χ^2/NDF: 11274883.8/58

- sign 342.998+/-0.064 χ^2/NDF: 4778718.8/29

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 174.633+/-385.846 χ^2/NDF:16.5/12

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

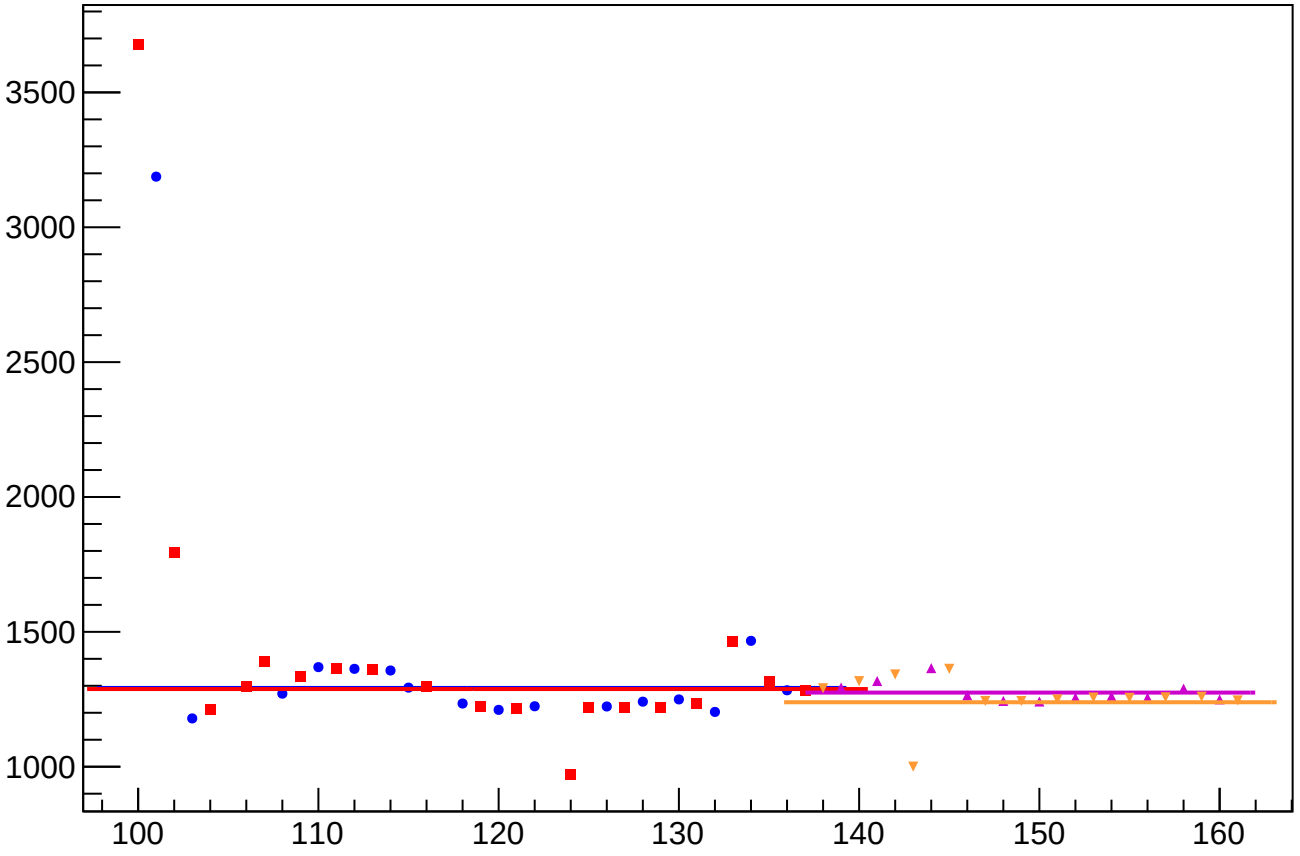
Left In: 473.817+/-412.482 χ^2/NDF:14.4/10

+ sign -187.853+/-303.049 χ^2/NDF: 32.4/28

All: 98.593+/-217.912 χ^2/NDF: 66.6/58

- sign 405.269+/-313.568 χ^2/NDF: 32.4/29

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1238.998+/-0.273 χ^2/NDF:121701.5/12

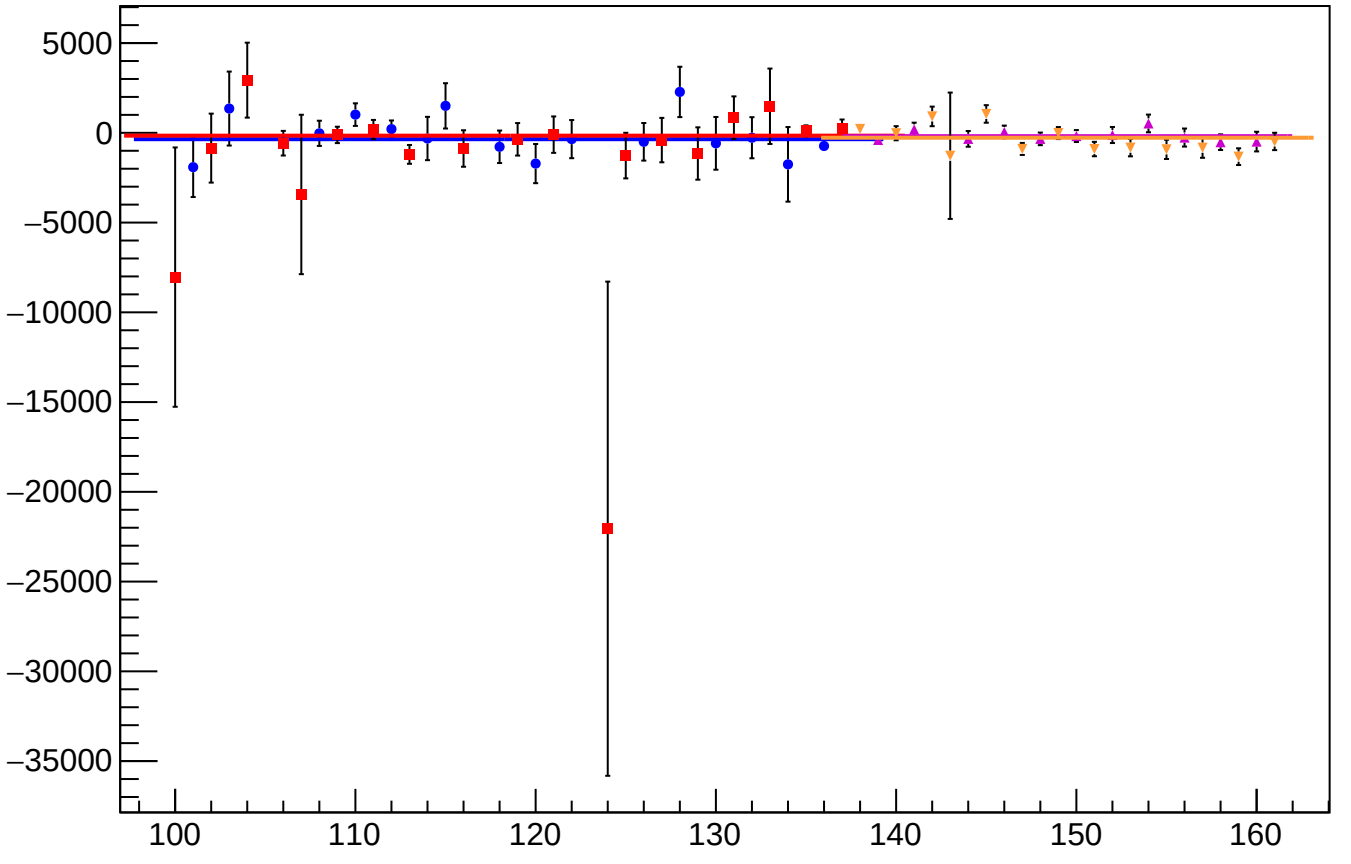
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1274.825+/-0.292 χ^2/NDF:14503.7/10

+ sign 1259.319+/-0.214 χ^2/NDF: 645586.9/28

All: 1269.491+/-0.154 χ^2/NDF: 874824.7/58

- sign 1280.381+/-0.222 χ^2/NDF: 224572.2/29



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -272.414+/-115.649 χ^2/NDF:32.2/12

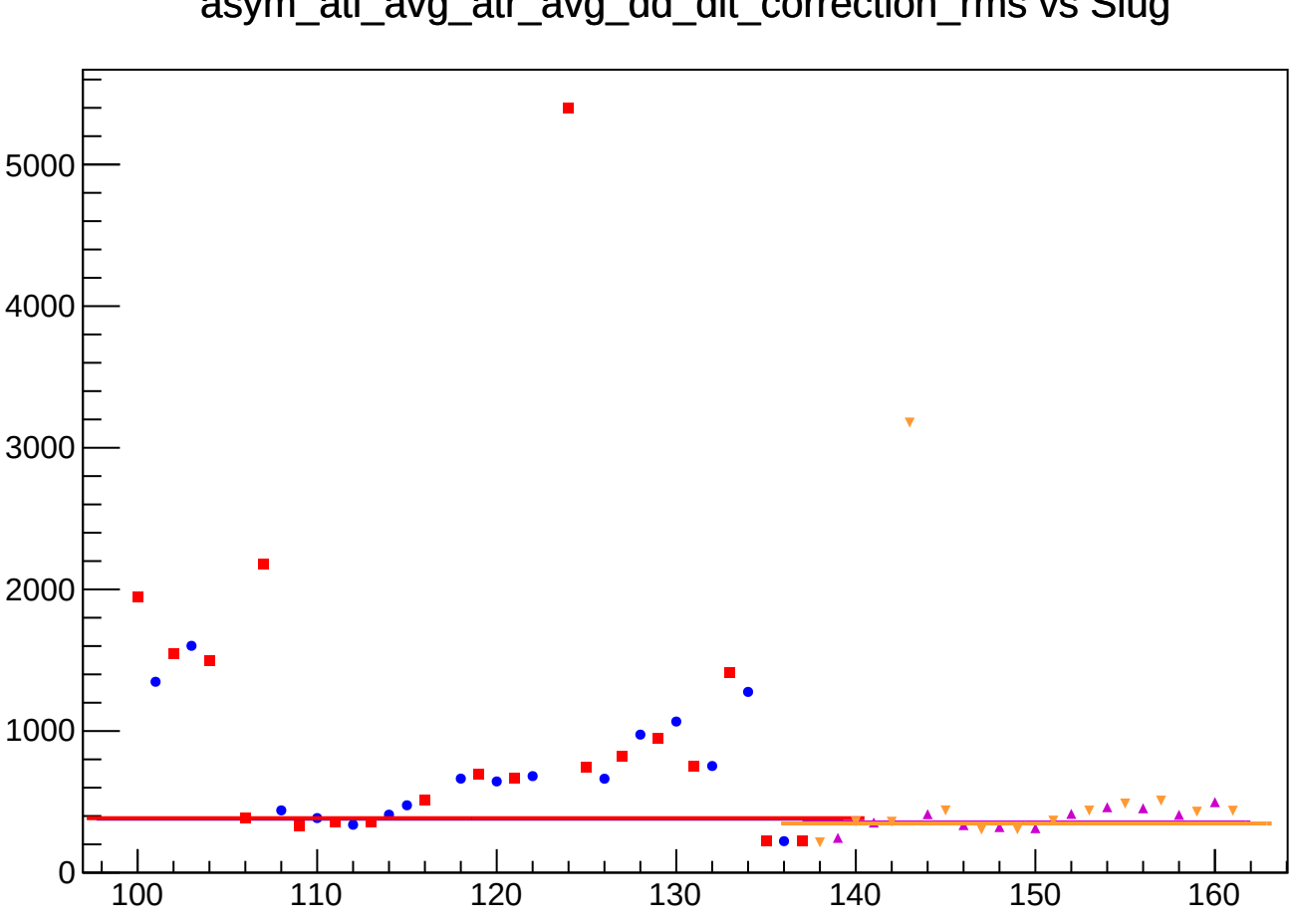
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -186.432+/-117.842 χ^2/NDF:5.3/10

\+ sign -298.620+/-95.615 χ^2/NDF: 50.8/28

All: -238.627+/-68.021 χ^2/NDF: 72.8/58

\- sign -177.155+/-96.787 χ^2/NDF: 21.2/29



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 347.482+/-0.082 χ^2/NDF:2542790.6/12

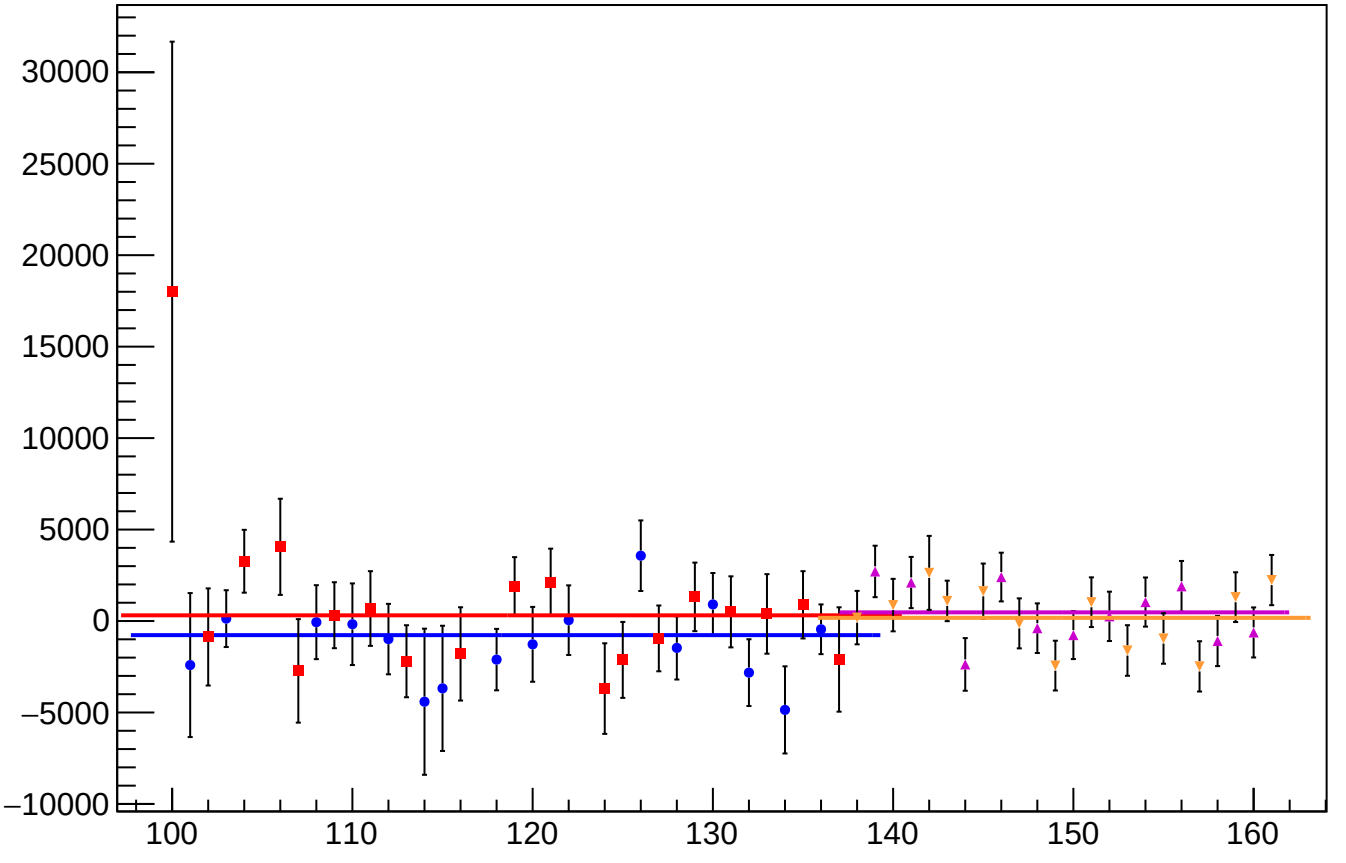
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 354.877+/-0.083 χ^2/NDF:775905.4/10

+ sign 358.199+/-0.068 χ^2/NDF: 6914989.1/28

All: 361.344+/-0.048 χ^2/NDF: 12297030.5/58

- sign 364.566+/-0.068 χ^2/NDF: 5377661.5/29



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 174.634+/-385.846 χ^2/NDF:16.5/12

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

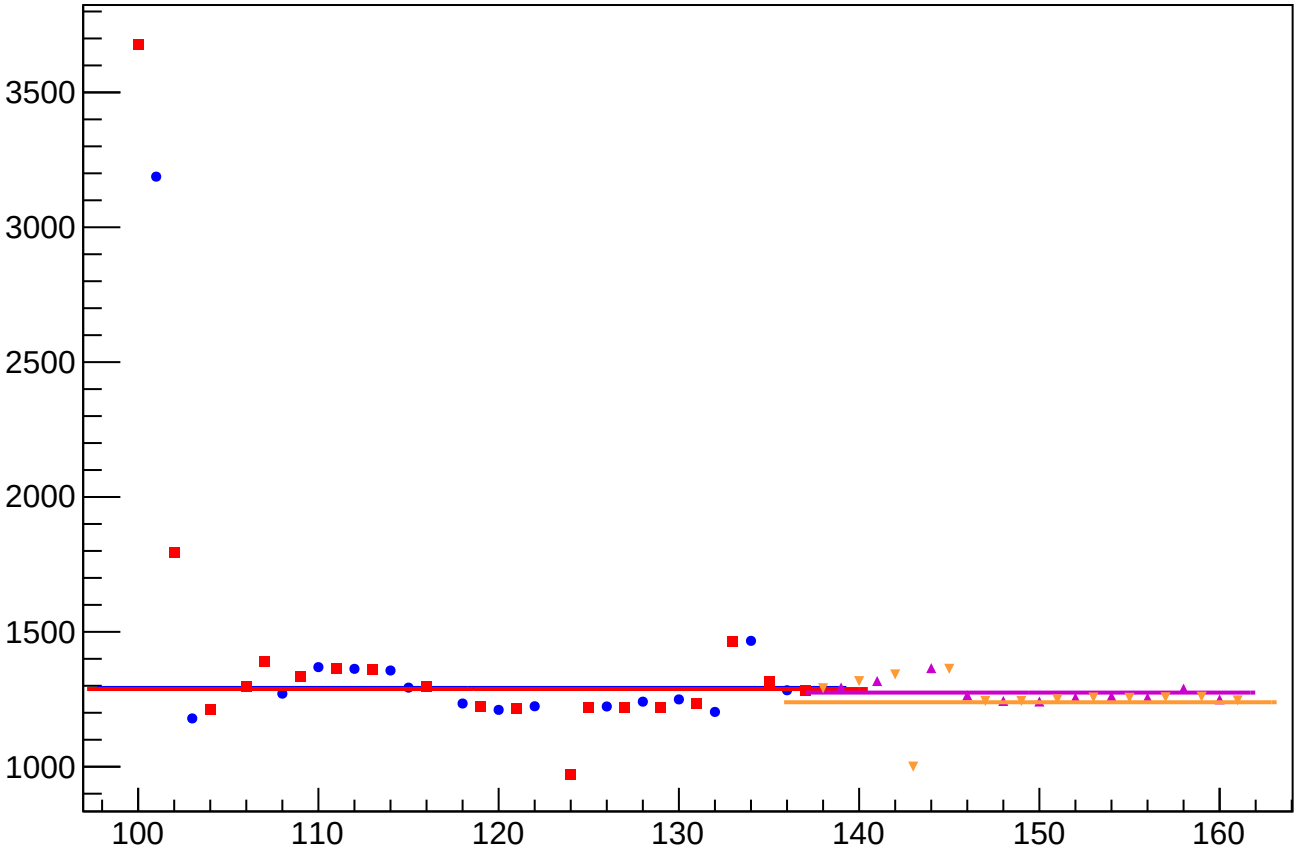
Left In: 473.816+/-412.482 χ^2/NDF:14.4/10

+ sign -187.853+/-303.049 χ^2/NDF: 32.4/28

All: 98.593+/-217.912 χ^2/NDF: 66.6/58

- sign 405.269+/-313.568 χ^2/NDF: 32.4/29

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: 1238.998+/-0.273 χ^2/NDF:121700.7/12

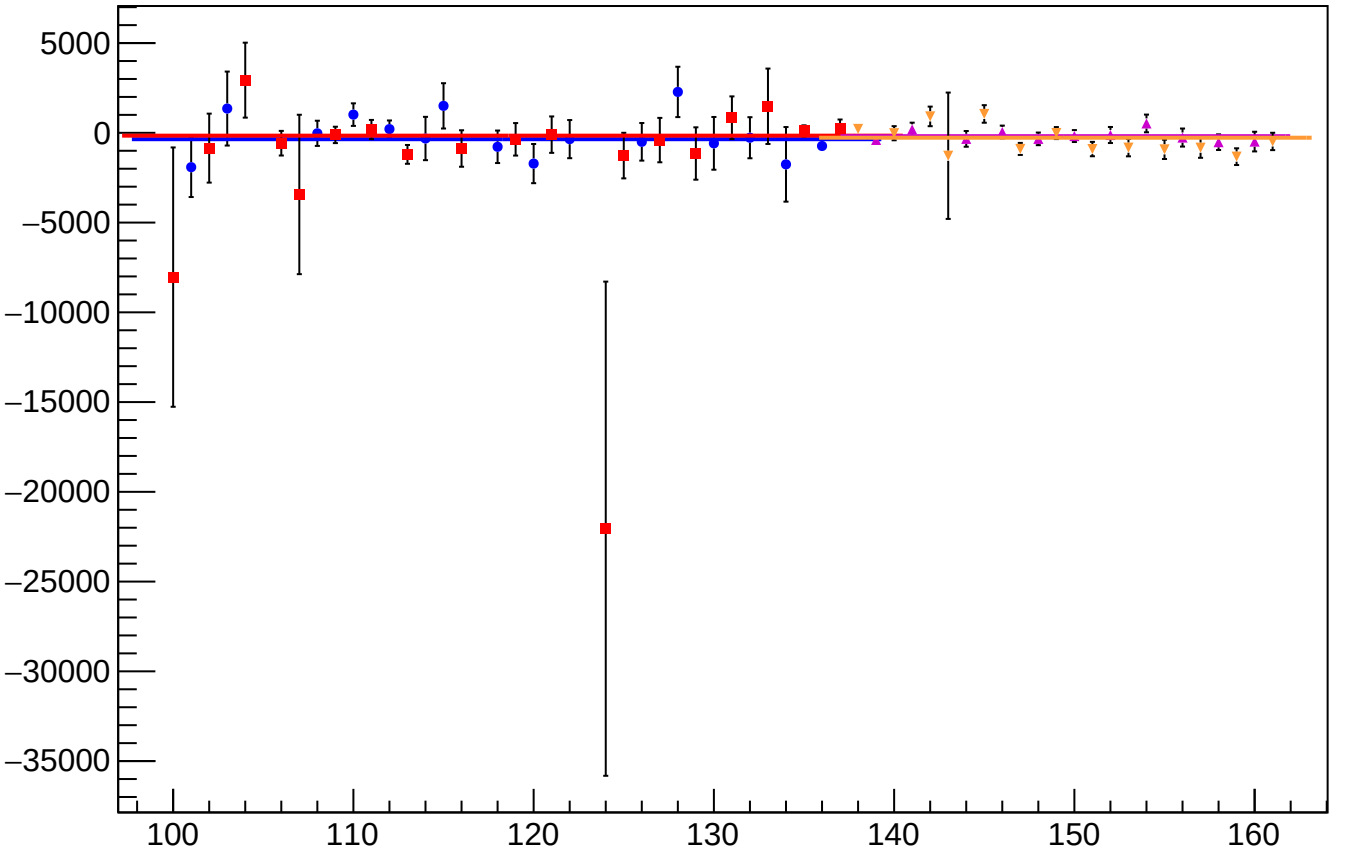
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1274.825+/-0.292 χ^2/NDF:14503.7/10

\+ sign 1259.319+/-0.214 χ^2/NDF: 645586.0/28

All: 1269.491+/-0.154 χ^2/NDF: 874824.1/58

\- sign 1280.381+/-0.222 χ^2/NDF: 224572.5/29



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -272.426+/-115.650 χ^2/NDF:32.2/12

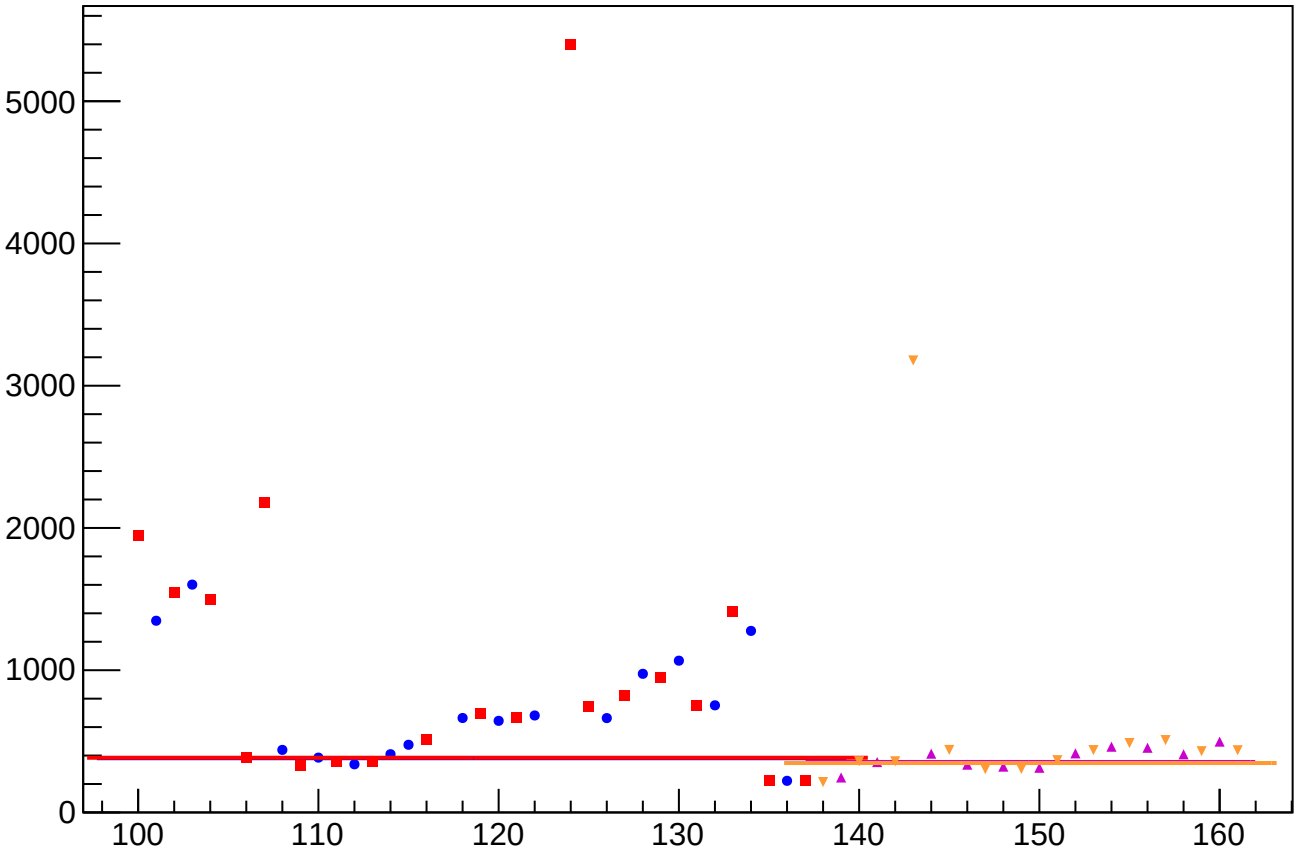
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -186.432+/-117.844 χ^2/NDF:5.3/10

+ sign -298.628+/-95.616 χ^2/NDF: 50.8/28

All: -238.632+/-68.021 χ^2/NDF: 72.8/58

- sign -177.157+/-96.788 χ^2/NDF: 21.2/29



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 347.489+/-0.082 χ^2/NDF:2542614.1/12

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

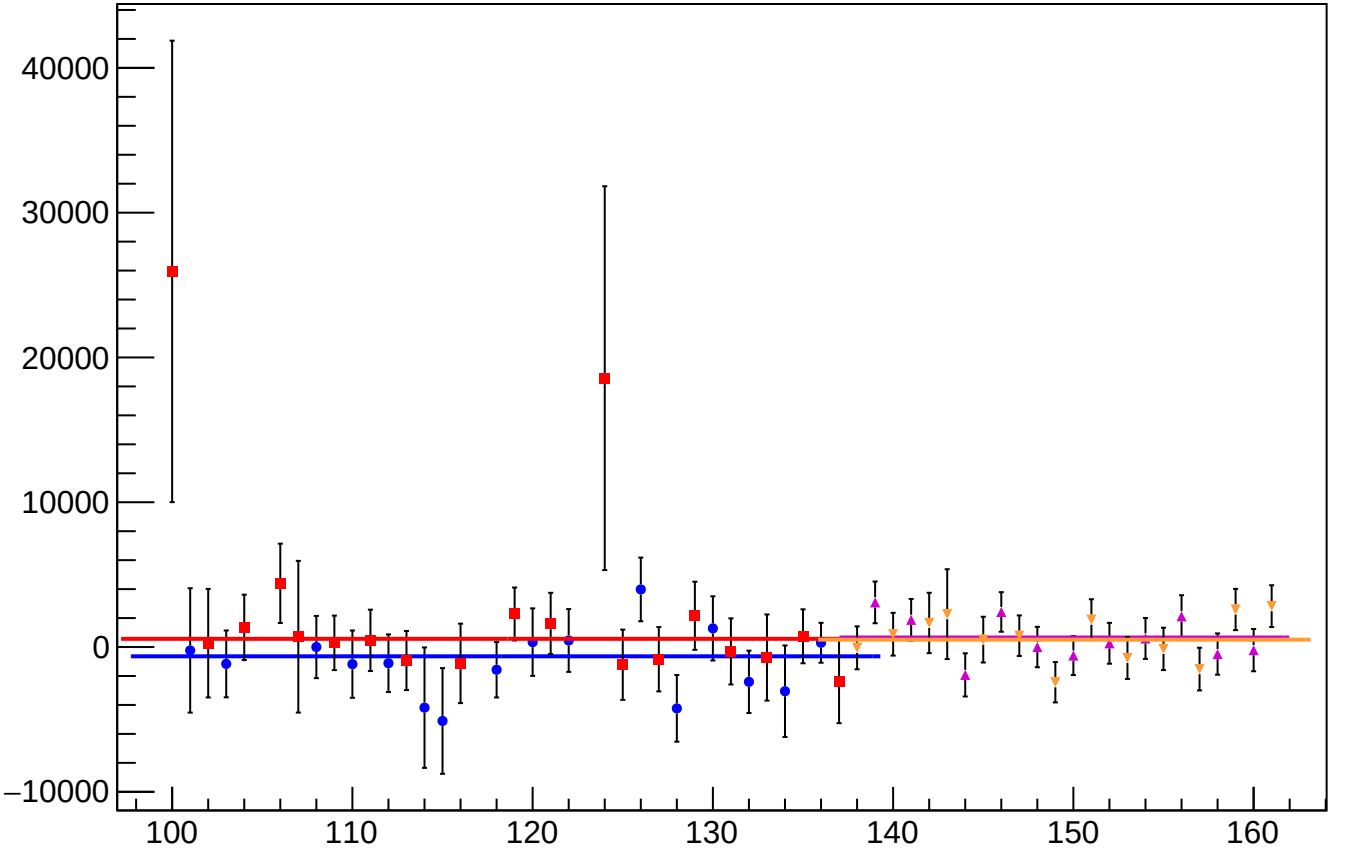
Left In: 354.882+/-0.083 χ^2/NDF:775808.4/10

+ sign 358.207+/-0.068 χ^2/NDF: 6914636.7/28

All: 361.351+/-0.048 χ^2/NDF: 12296445.4/58

- sign 364.572+/-0.068 χ^2/NDF: 5377431.5/29

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 507.914+/-424.273 χ^2/NDF:13.9/12

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

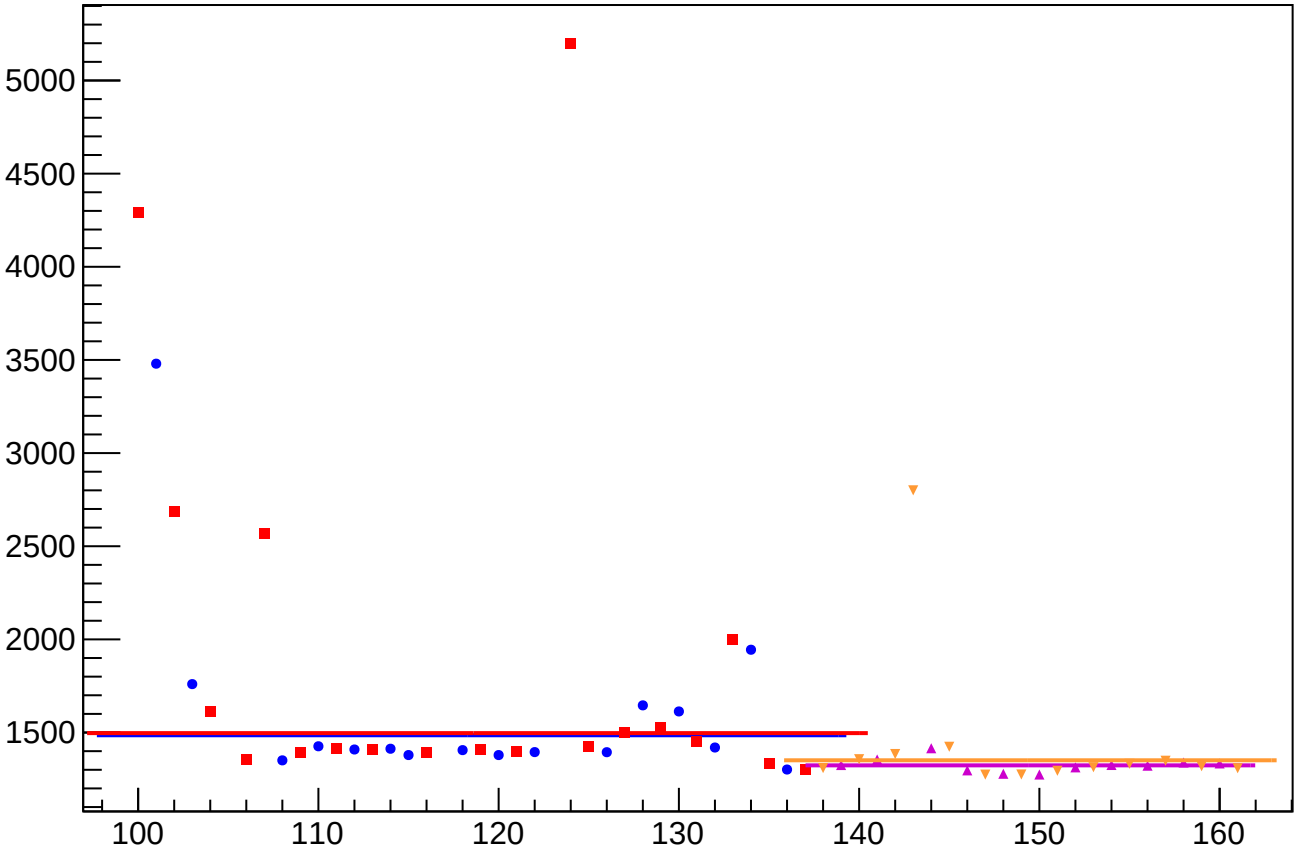
Left In: 657.388+/-428.345 χ^2/NDF:11.4/10

+ sign 93.120+/-339.130 χ^2/NDF: 29.0/28

All: 356.842+/-240.715 χ^2/NDF: 52.9/58

- sign 624.621+/-341.729 χ^2/NDF: 22.7/29

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1350.998+/-0.300 χ^2/NDF:462116.1/12

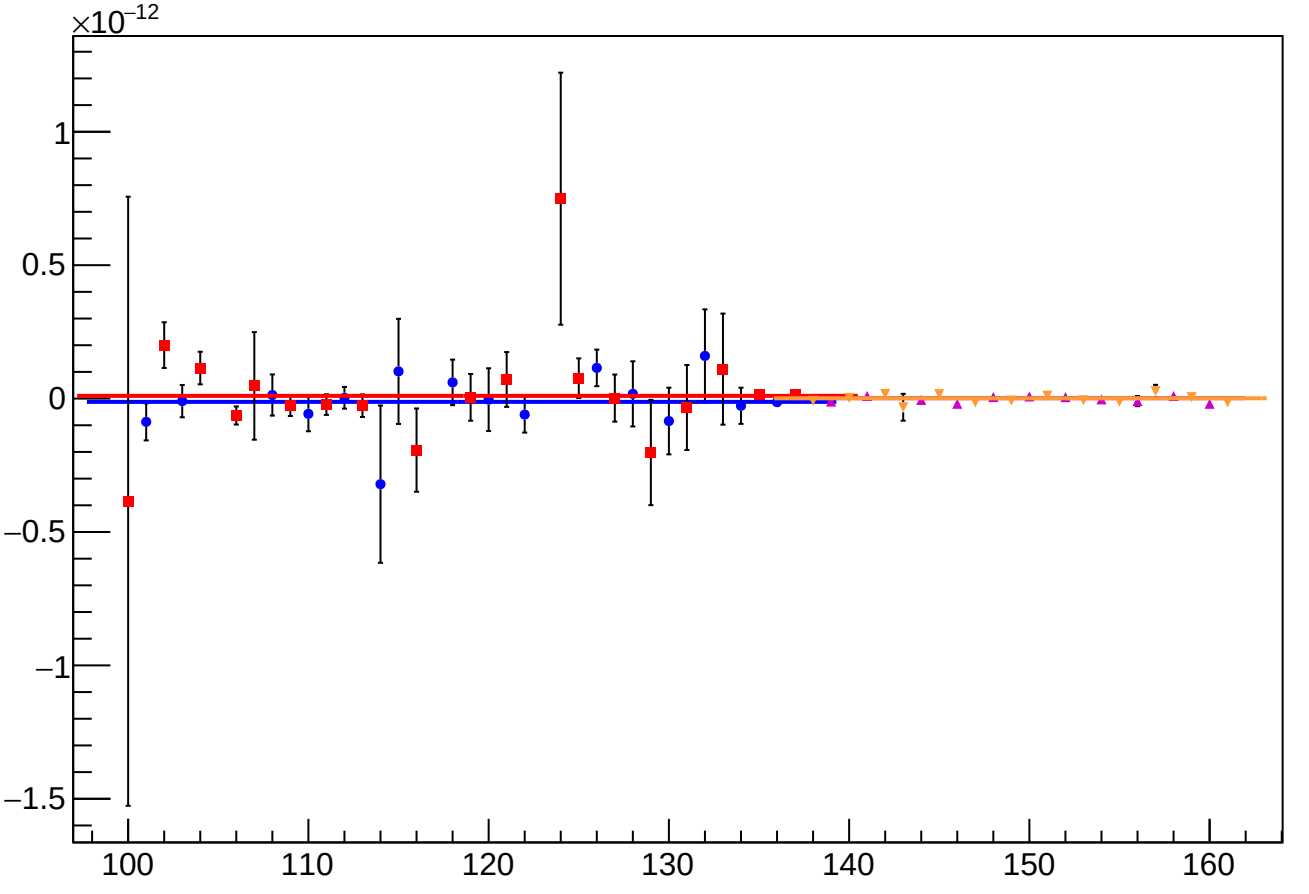
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1323.807+/-0.303 χ^2/NDF:14526.0/10

\+ sign 1399.518+/-0.240 χ^2/NDF: 1119024.4/28

All: 1393.168+/-0.170 χ^2/NDF: 1876935.6/58

\- sign 1386.720+/-0.242 χ^2/NDF: 756497.7/29



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/12

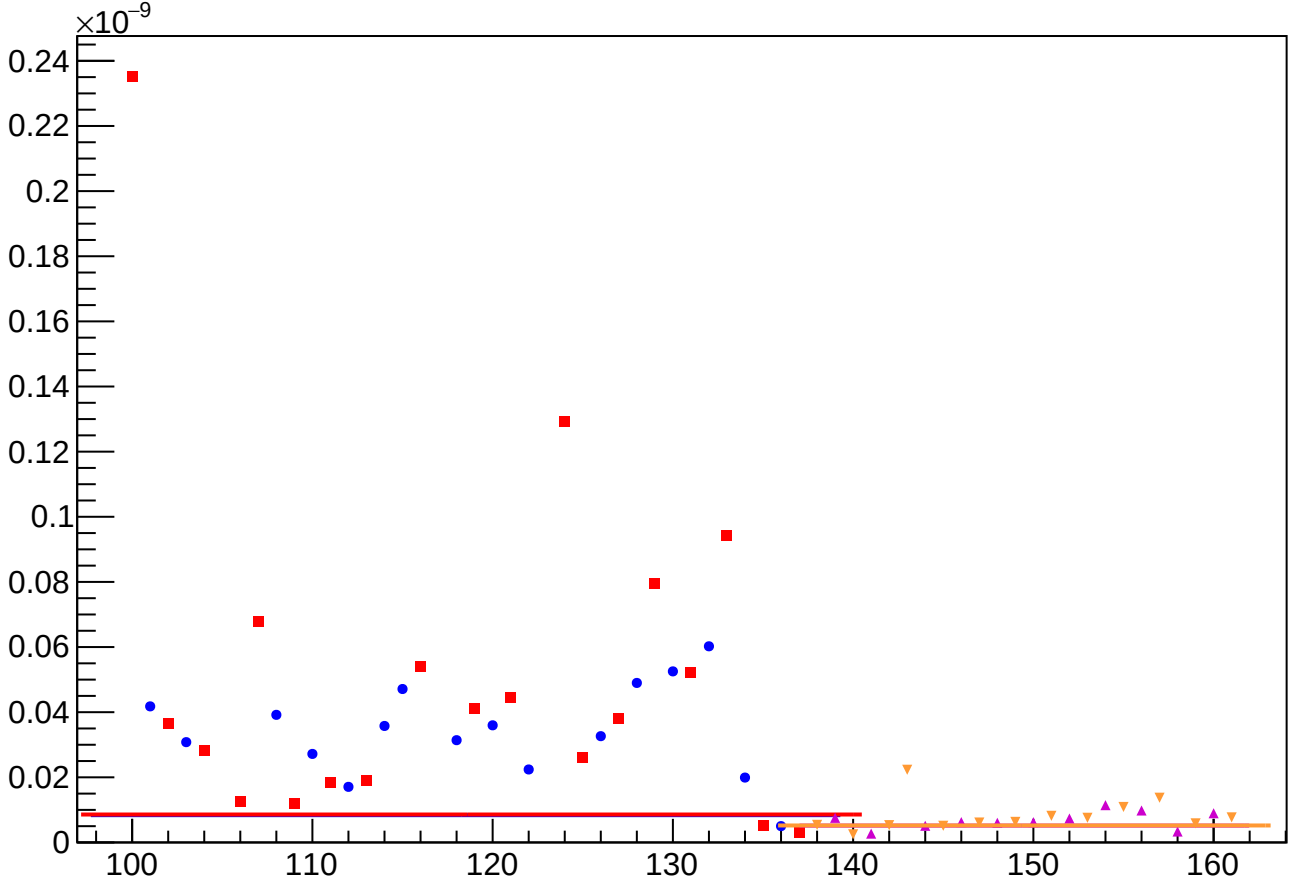
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 26.0/28

All: 0.000+/-0.000 χ^2/NDF: 62.9/58

- sign 0.000+/-0.000 χ^2/NDF: 36.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1617555.7/12

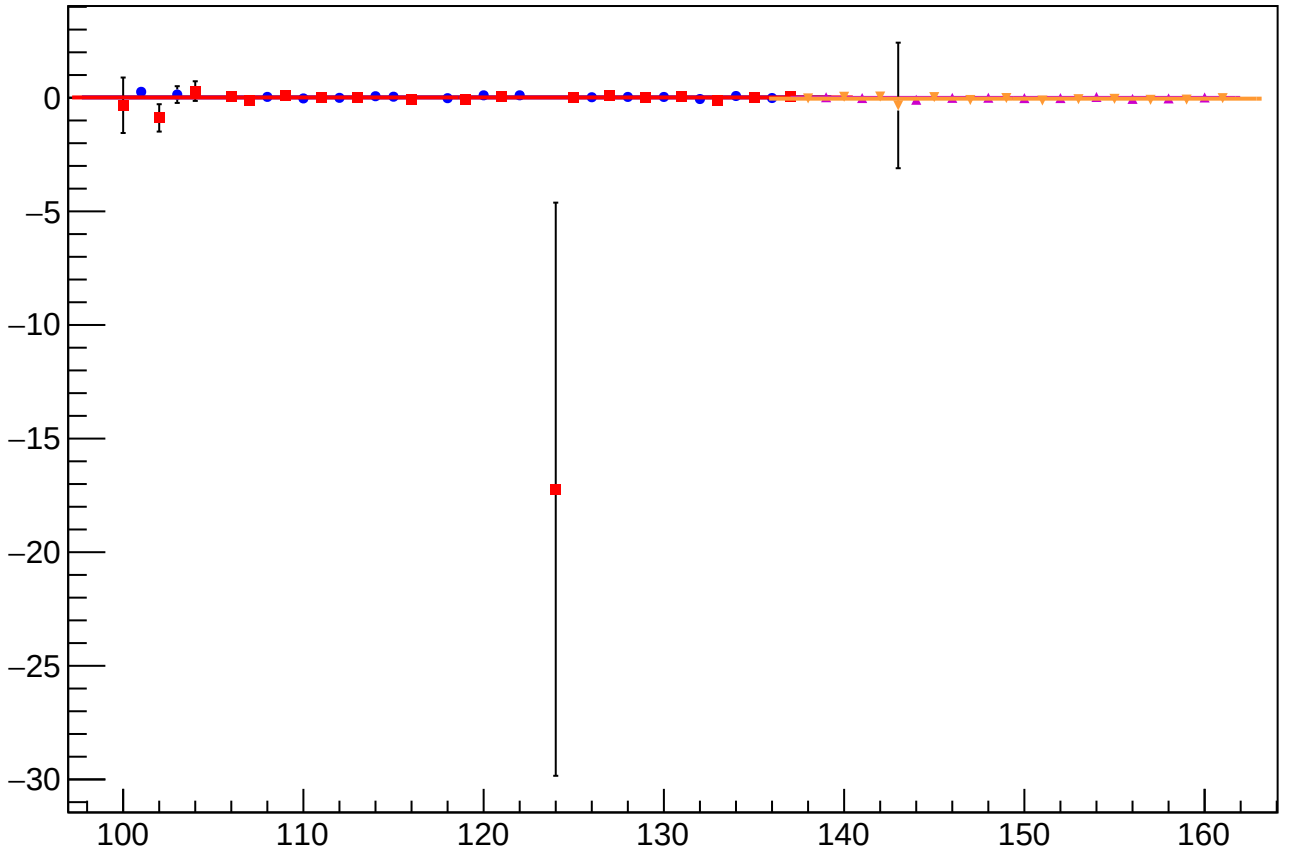
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1207527.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 4994554.6/28

All: 0.000+/-0.000 χ^2/NDF: 9871181.6/58

- sign 0.000+/-0.000 χ^2/NDF: 4876245.9/29



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.012 χ^2/NDF:17.5/12

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

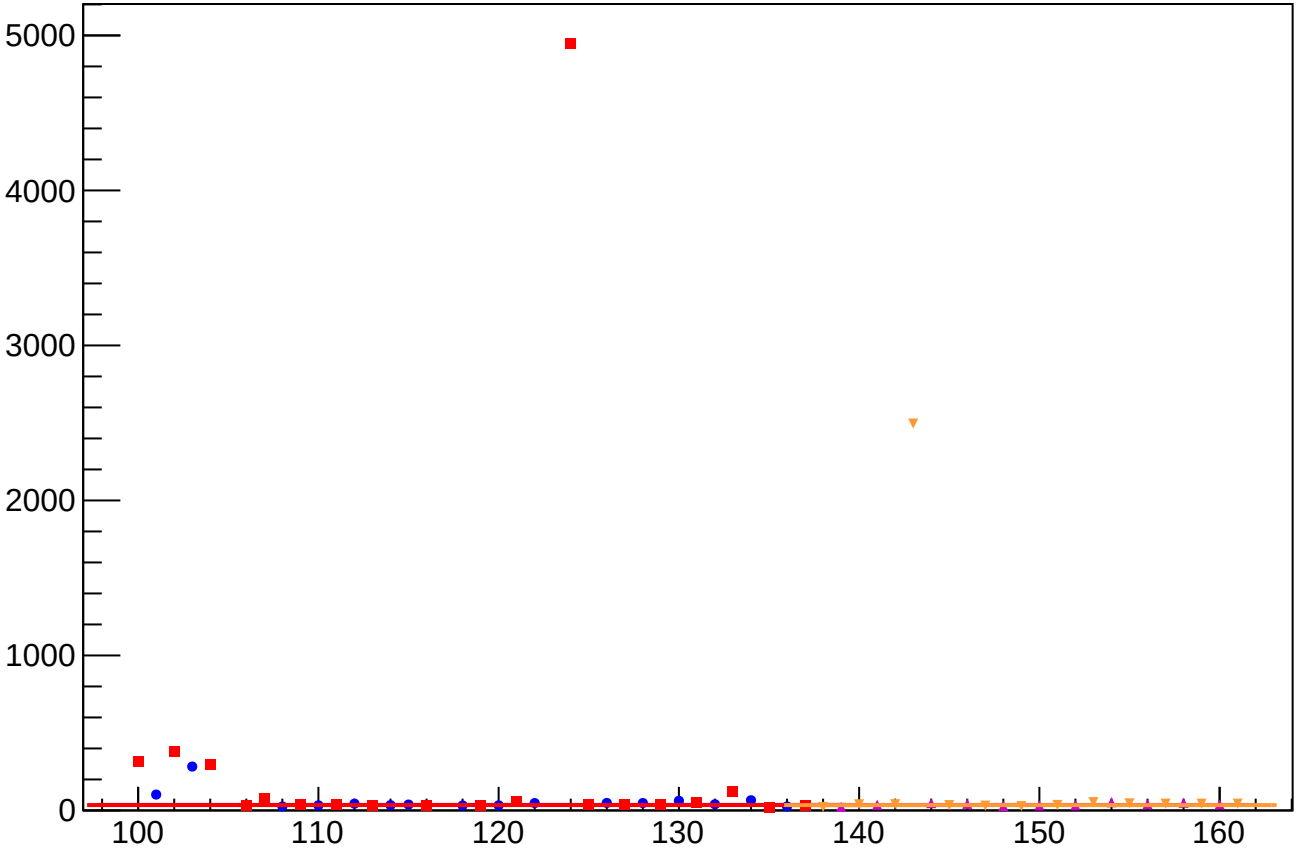
Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/28

All: -0.009+/-0.007 χ^2/NDF: 61.6/58

- sign 0.001+/-0.010 χ^2/NDF: 22.3/29

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: 34.531+/-0.009 χ^2/NDF:2600715.8/12

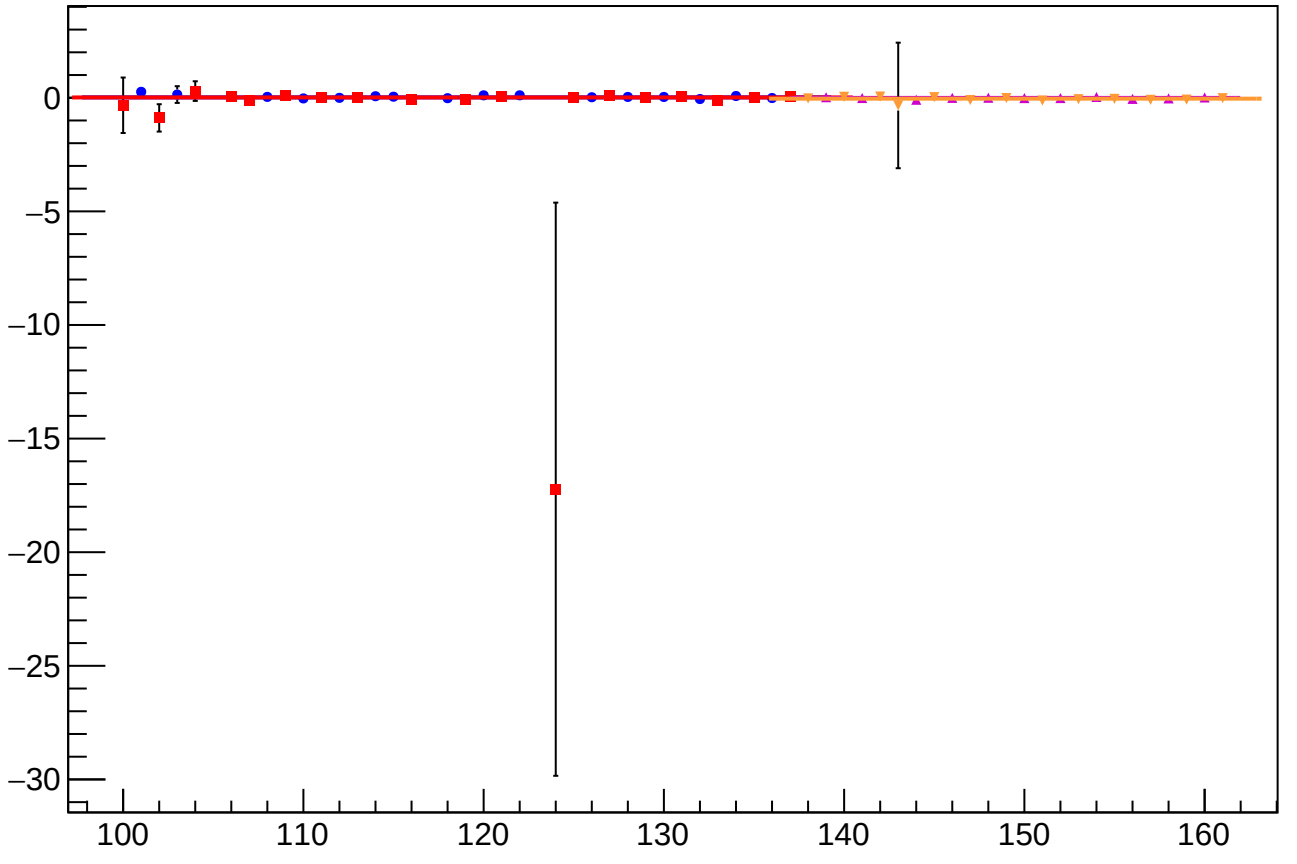
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.469+/-0.009 χ^2/NDF:922702.9/10

\+ sign 34.998+/-0.007 χ^2/NDF: 4873056.5/28

All: 35.098+/-0.005 χ^2/NDF: 8712592.1/58

\- sign 35.204+/-0.007 χ^2/NDF: 3839084.1/29



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.012 χ^2/NDF:17.5/12

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

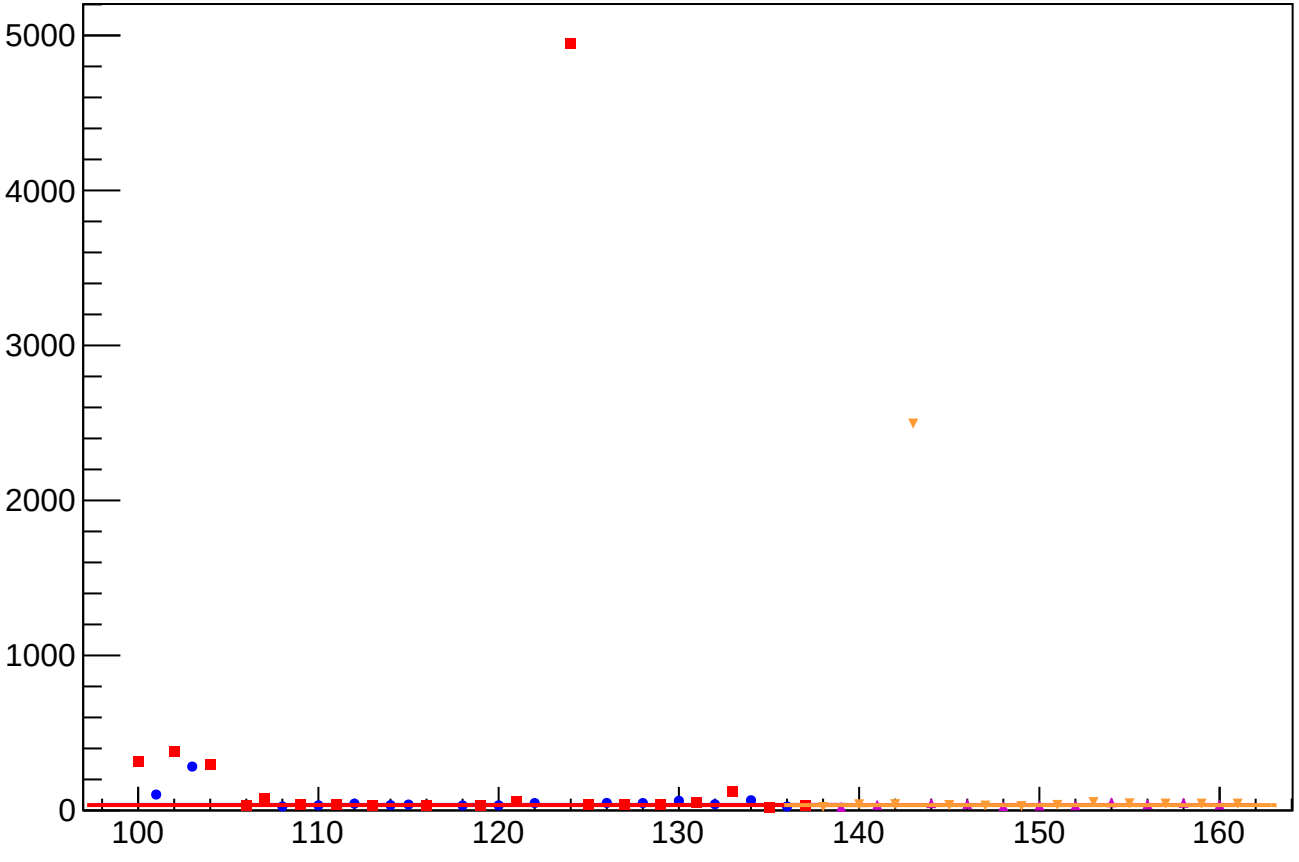
Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/28

All: -0.009+/-0.007 χ^2/NDF: 61.6/58

- sign 0.001+/-0.010 χ^2/NDF: 22.3/29

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 34.531+/-0.009 χ^2/NDF:2600715.8/12

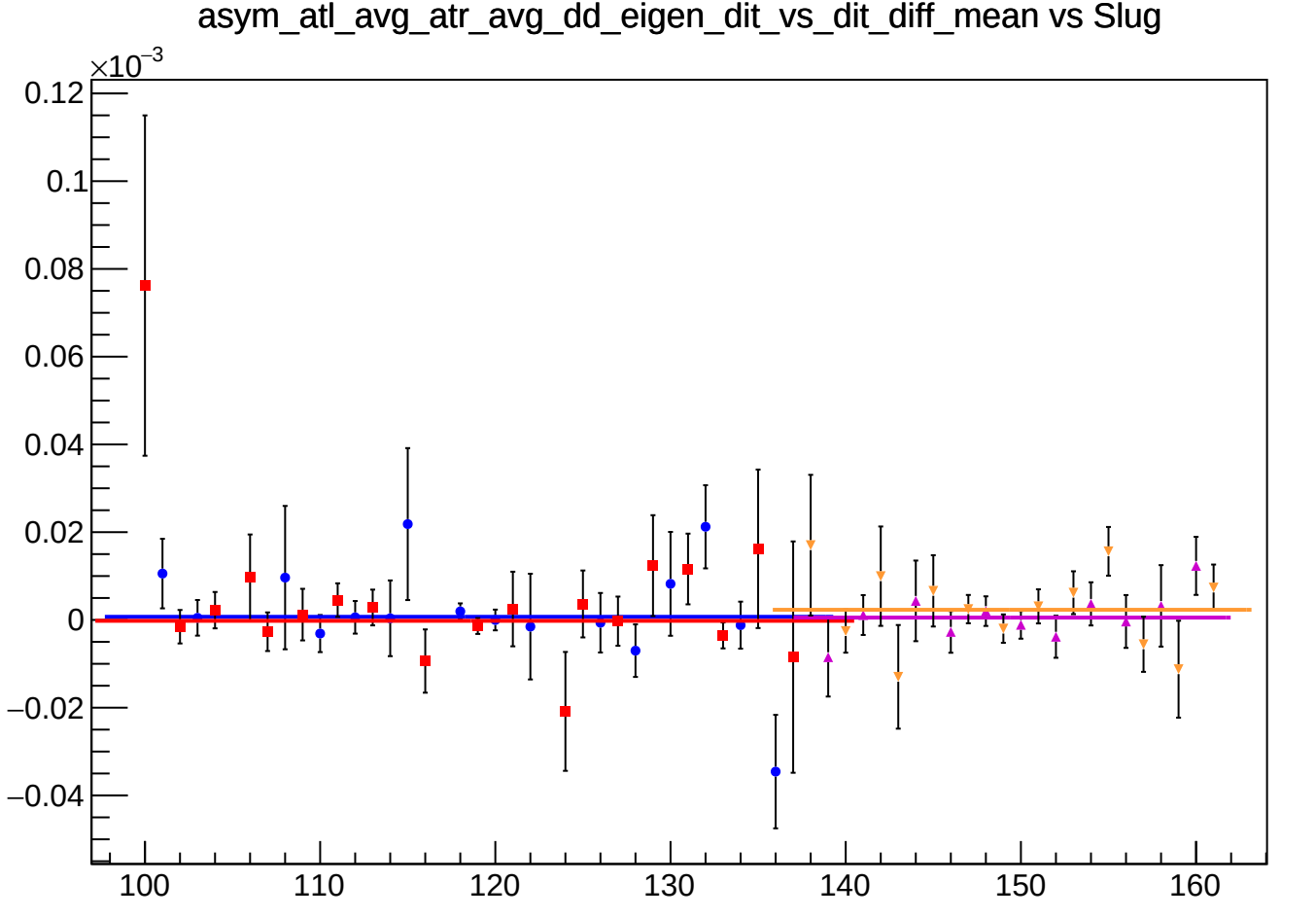
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.469+/-0.009 χ^2/NDF:922702.9/10

+ sign 34.998+/-0.007 χ^2/NDF: 4873056.5/28

All: 35.098+/-0.005 χ^2/NDF: 8712592.1/58

- sign 35.204+/-0.007 χ^2/NDF: 3839084.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.4/12

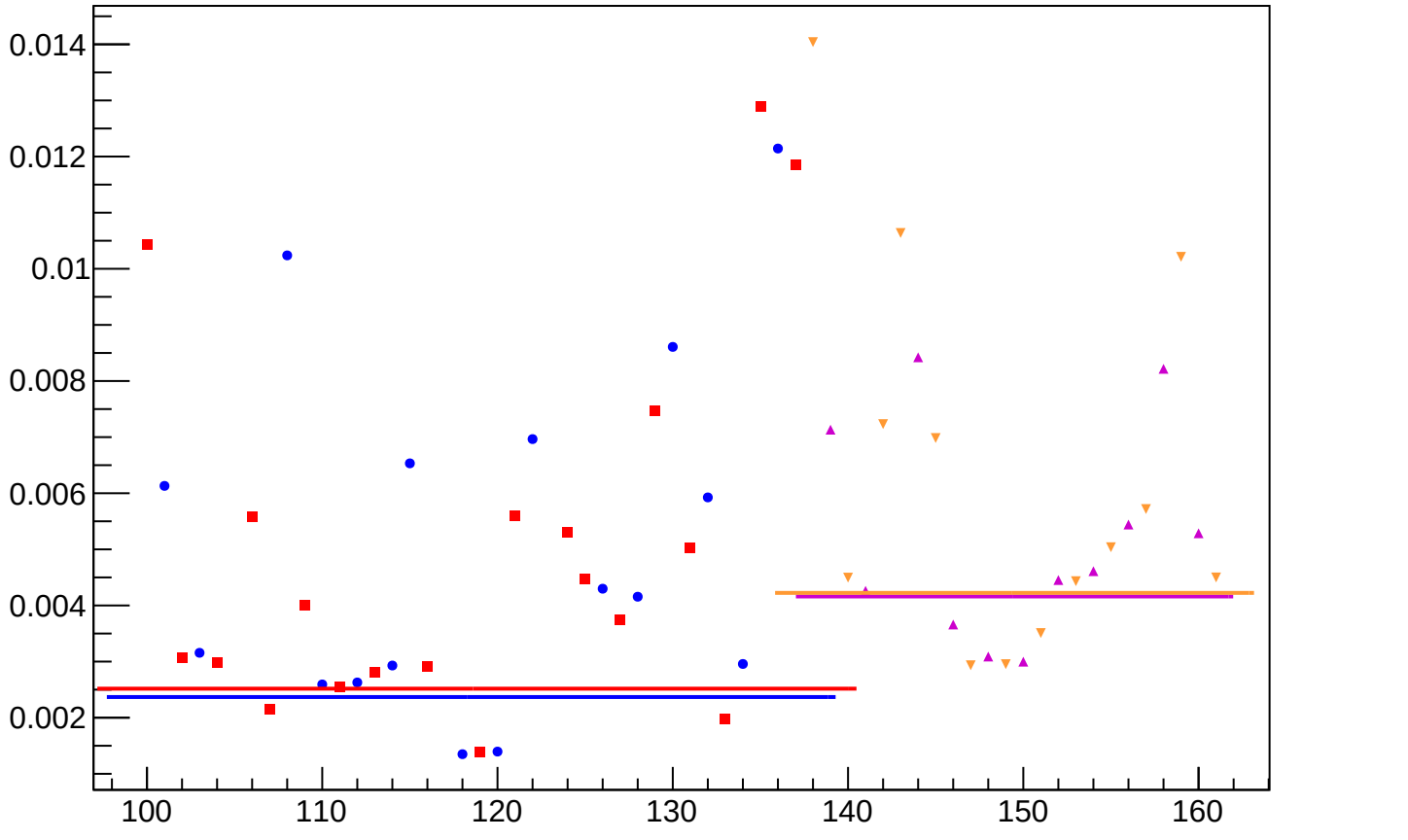
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 36.3/28

All: 0.000+/-0.000 χ^2/NDF: 62.2/58

- sign 0.000+/-0.000 χ^2/NDF: 24.9/29



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3166235.6/12

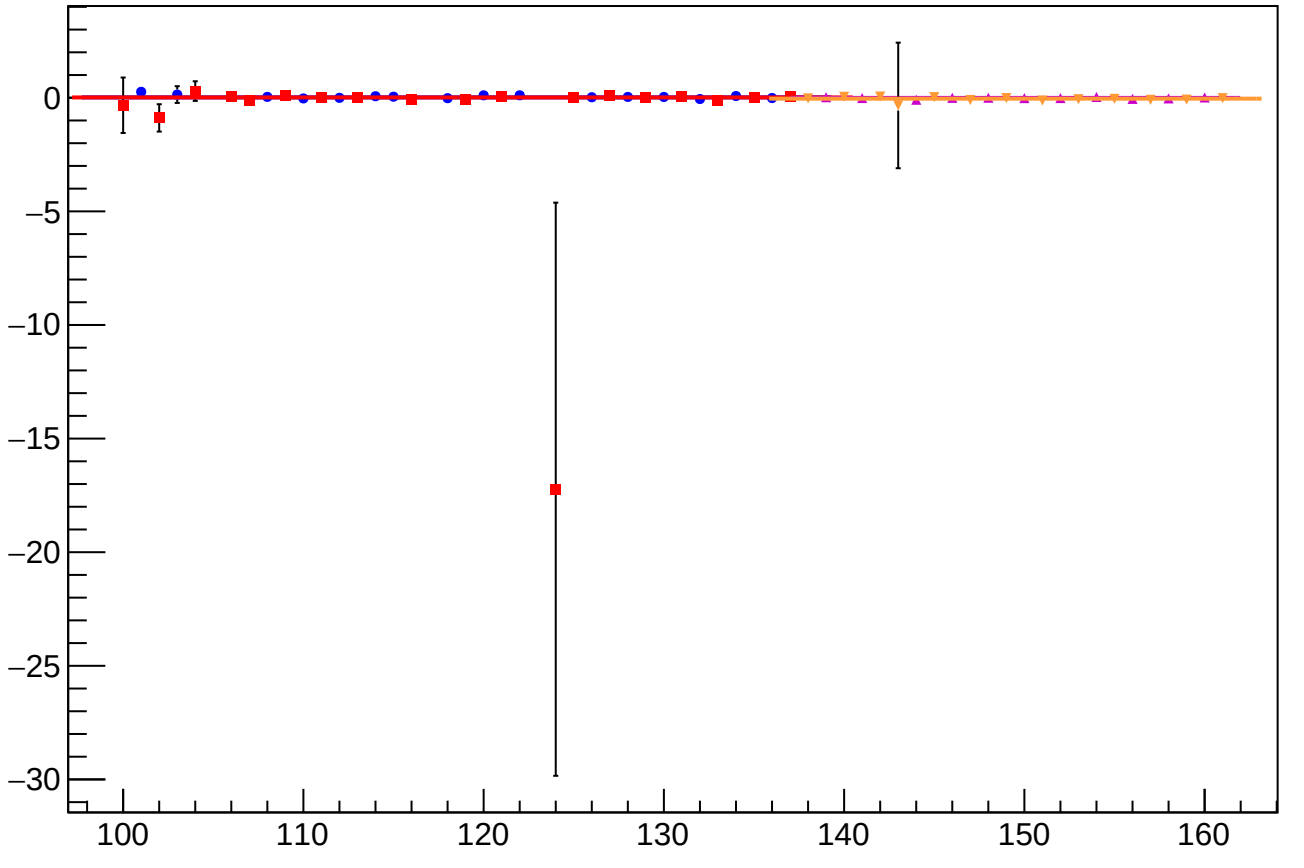
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1697642.3/10

\+ sign 0.003+/-0.000 χ^2/NDF: 9964529.8/28

All: 0.003+/-0.000 χ^2/NDF: 16672382.7/58

\- sign 0.003+/-0.000 χ^2/NDF: 6707320.5/29



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.012 χ^2/NDF:17.5/12

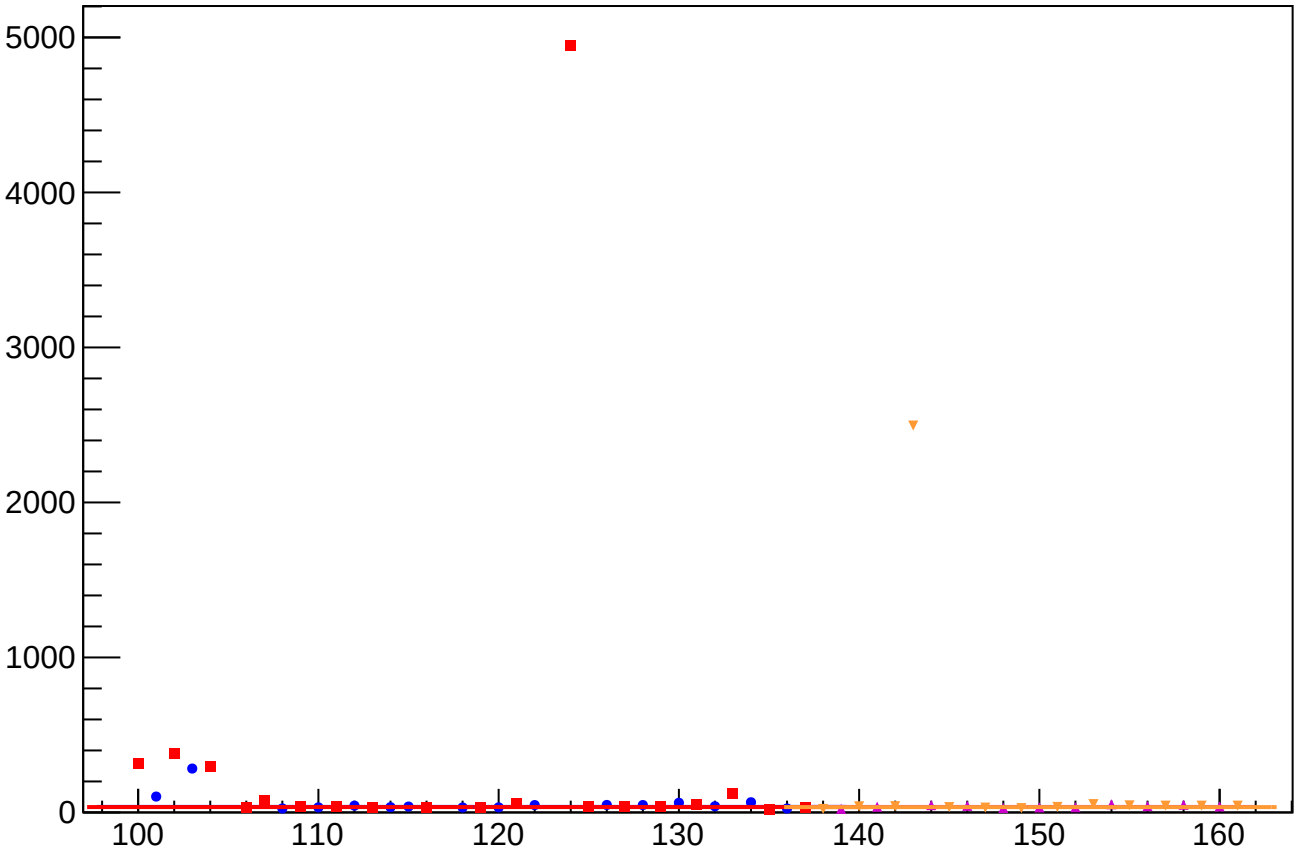
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/28

All: -0.009+/-0.007 χ^2/NDF: 61.6/58

- sign 0.001+/-0.010 χ^2/NDF: 22.3/29



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 34.531+/-0.009 χ^2/NDF:2601000.5/12

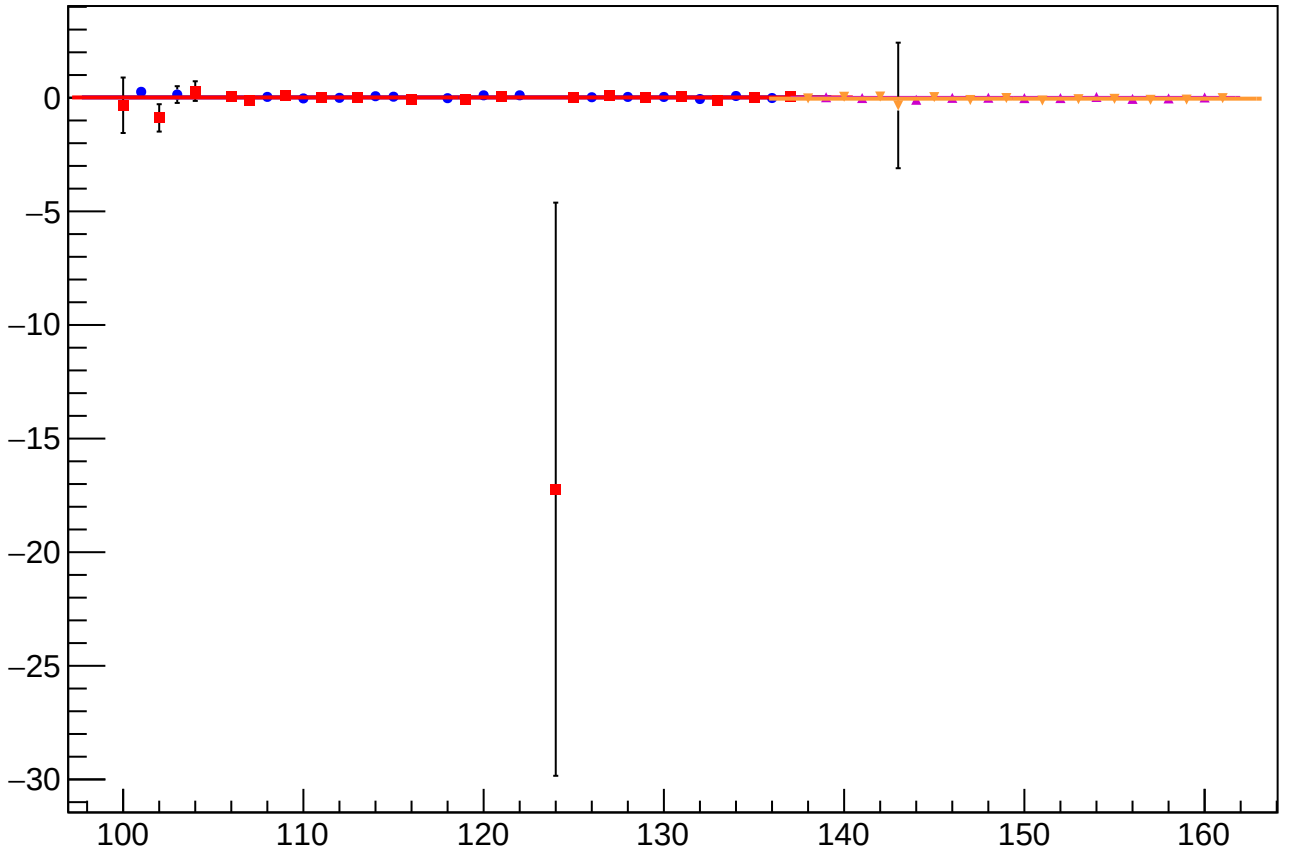
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.468+/-0.009 χ^2/NDF:923295.6/10

\+ sign 34.998+/-0.007 χ^2/NDF: 4873083.8/28

All: 35.098+/-0.005 χ^2/NDF: 8713020.2/58

\- sign 35.203+/-0.007 χ^2/NDF: 3839488.5/29



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.012 χ^2/NDF:17.5/12

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

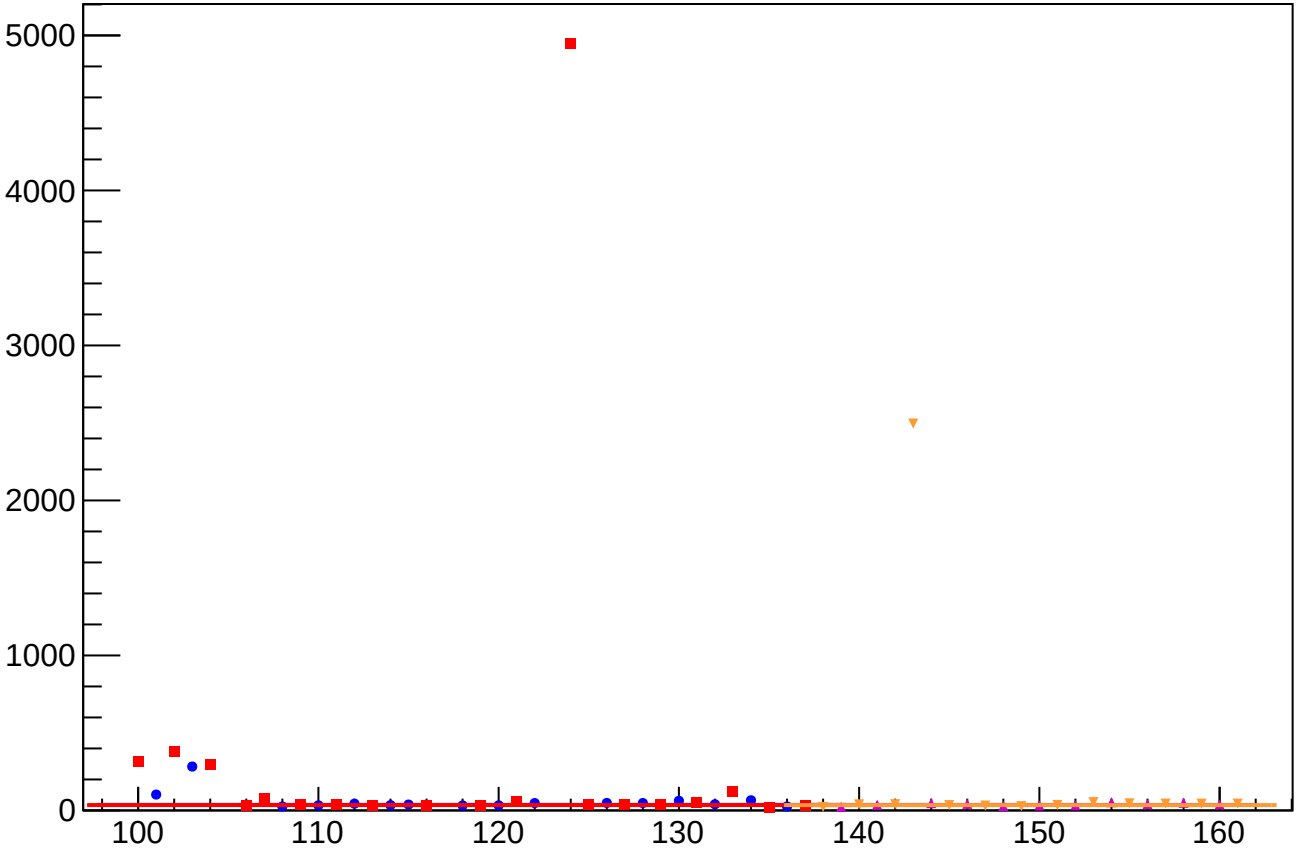
Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/28

All: -0.009+/-0.007 χ^2/NDF: 61.6/58

- sign 0.001+/-0.010 χ^2/NDF: 22.3/29

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 34.531+/-0.009 χ^2/NDF:2601000.5/12

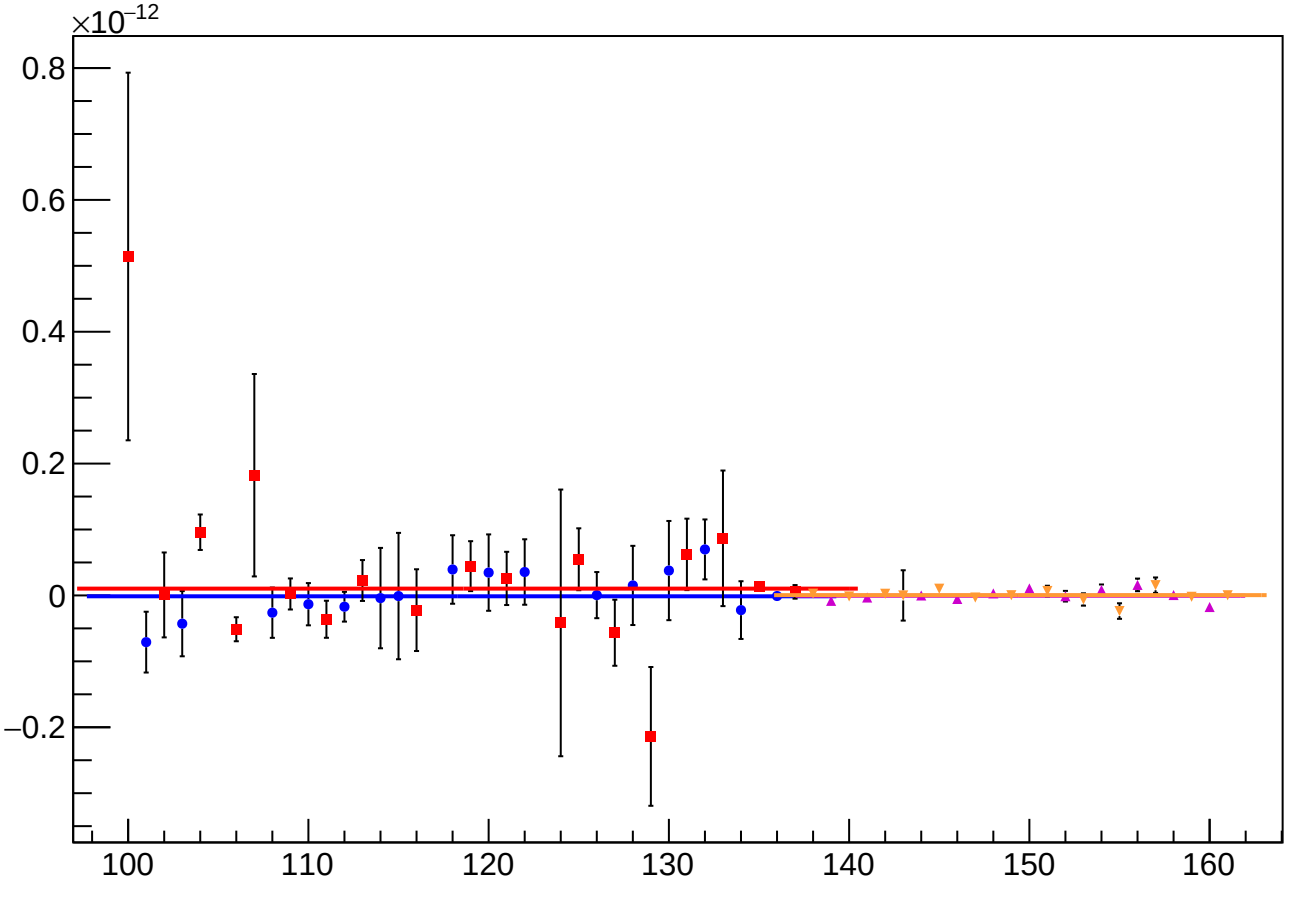
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.468+/-0.009 χ^2/NDF:923295.6/10

+ sign 34.998+/-0.007 χ^2/NDF: 4873083.8/28

All: 35.098+/-0.005 χ^2/NDF: 8713020.2/58

- sign 35.203+/-0.007 χ^2/NDF: 3839488.5/29



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/12

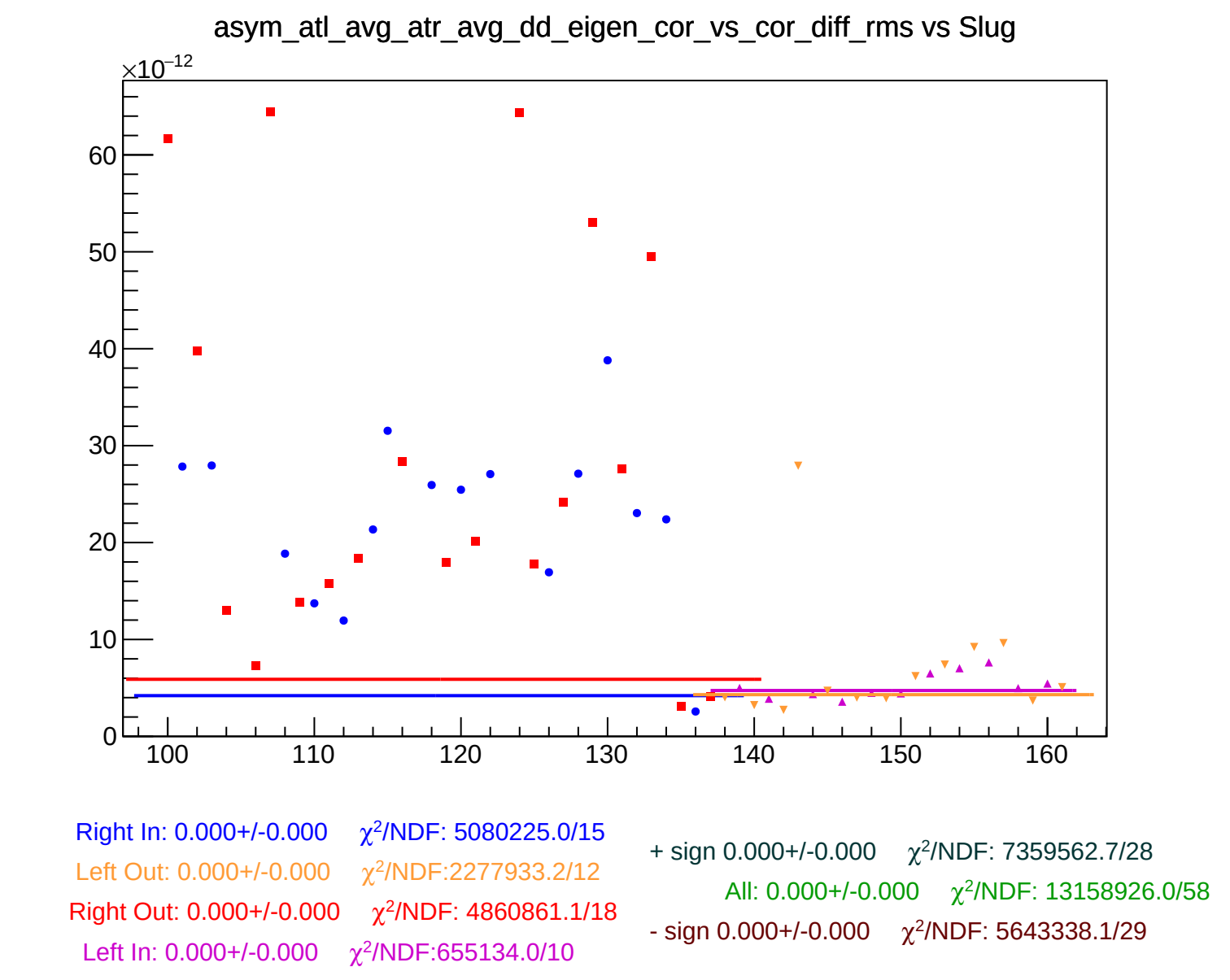
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.8/10

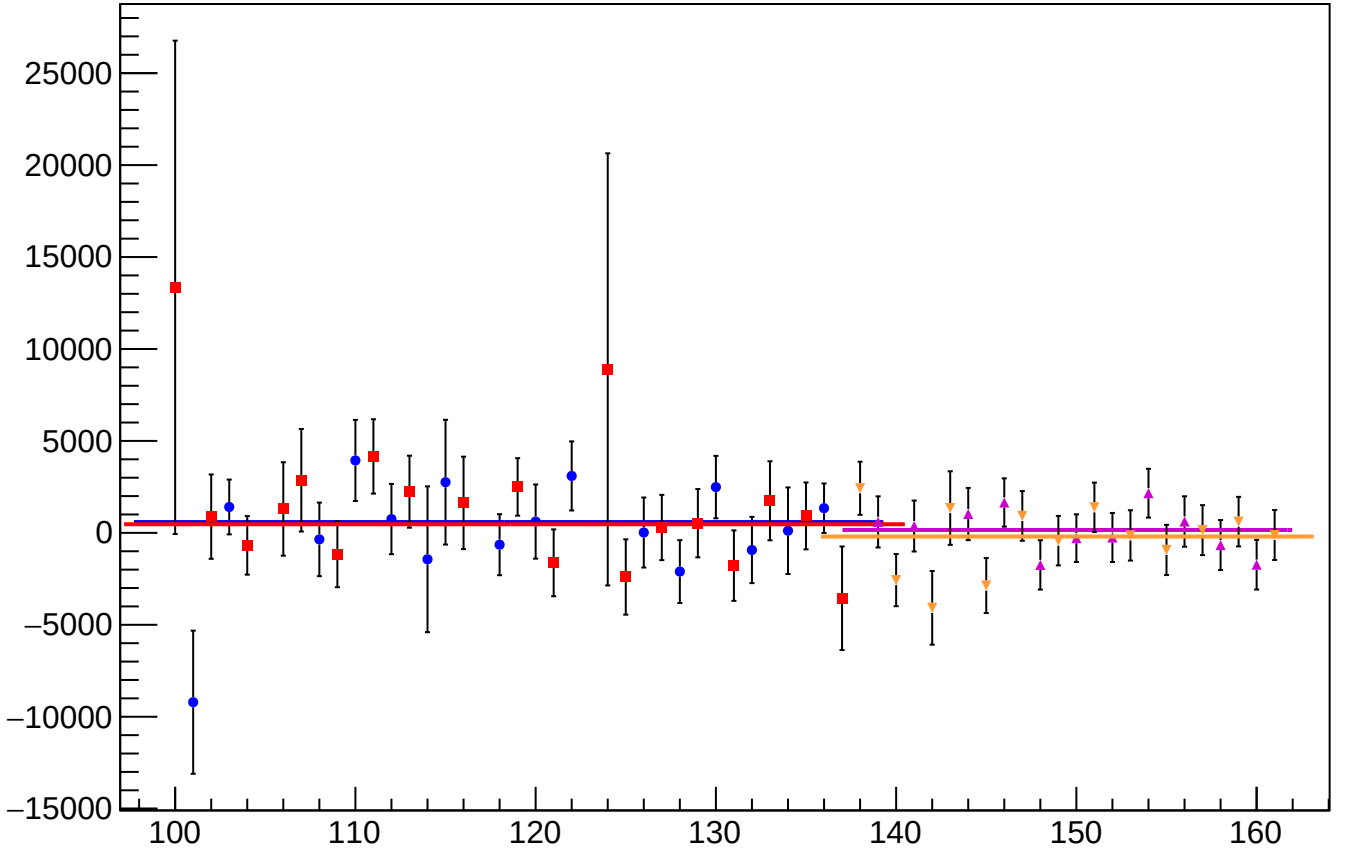
+ sign 0.000+/-0.000 χ^2/NDF: 19.4/28

All: 0.000+/-0.000 χ^2/NDF: 82.0/58

- sign 0.000+/-0.000 χ^2/NDF: 62.3/29


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2277933.2/12
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:655134.0/10
+ sign 0.000+/-0.000 χ²/NDF: 7359562.7/28
All: 0.000+/-0.000 χ²/NDF: 13158926.0/58
- sign 0.000+/-0.000 χ²/NDF: 5643338.1/29

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -198.571+/-398.942 χ^2/NDF:16.5/12

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

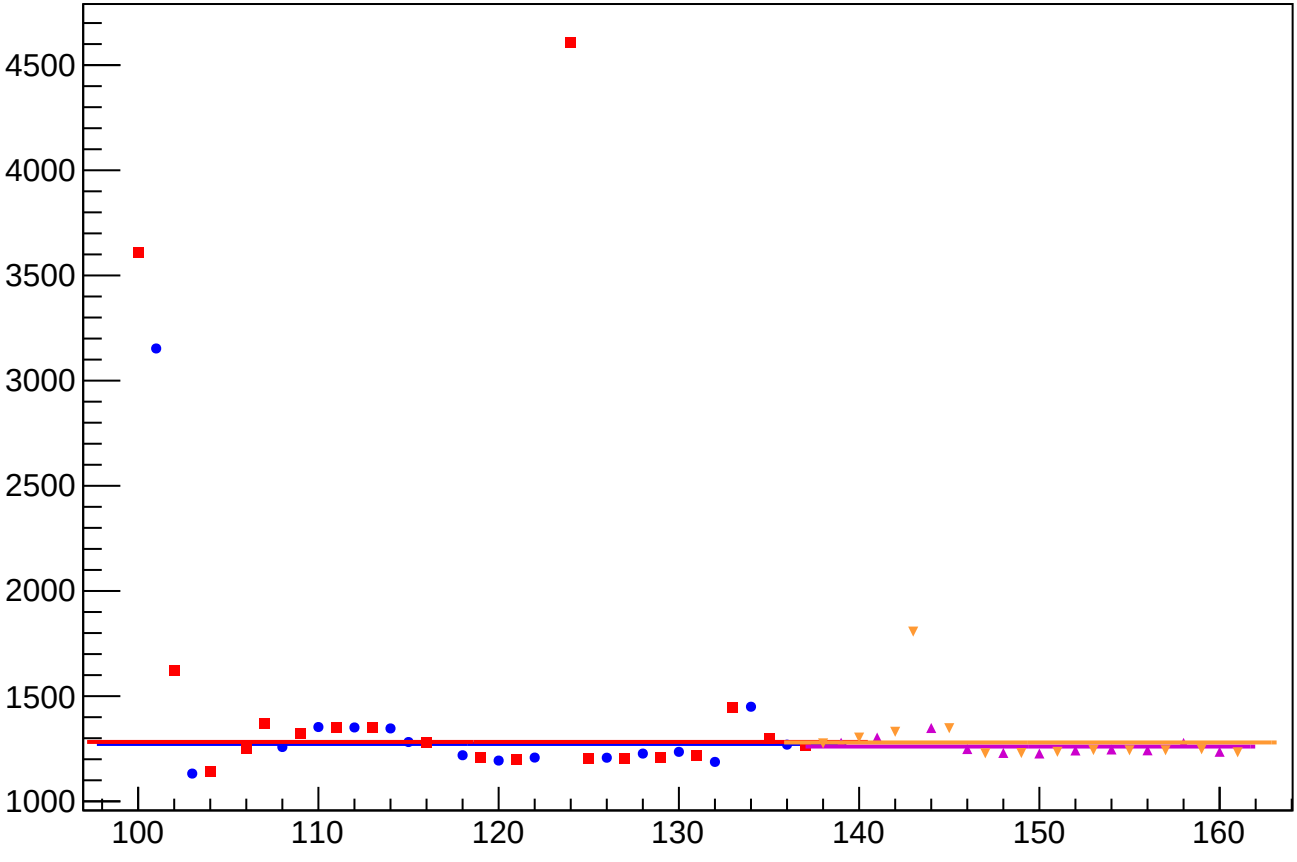
Left In: 155.093+/-407.833 χ^2/NDF:8.7/10

+ sign 120.434+/-307.441 χ^2/NDF: 35.1/28

All: 202.547+/-218.619 χ^2/NDF: 61.1/58

- sign 286.539+/-310.937 χ^2/NDF: 25.8/29

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1279.871+/-0.282 χ^2/NDF:160664.7/12

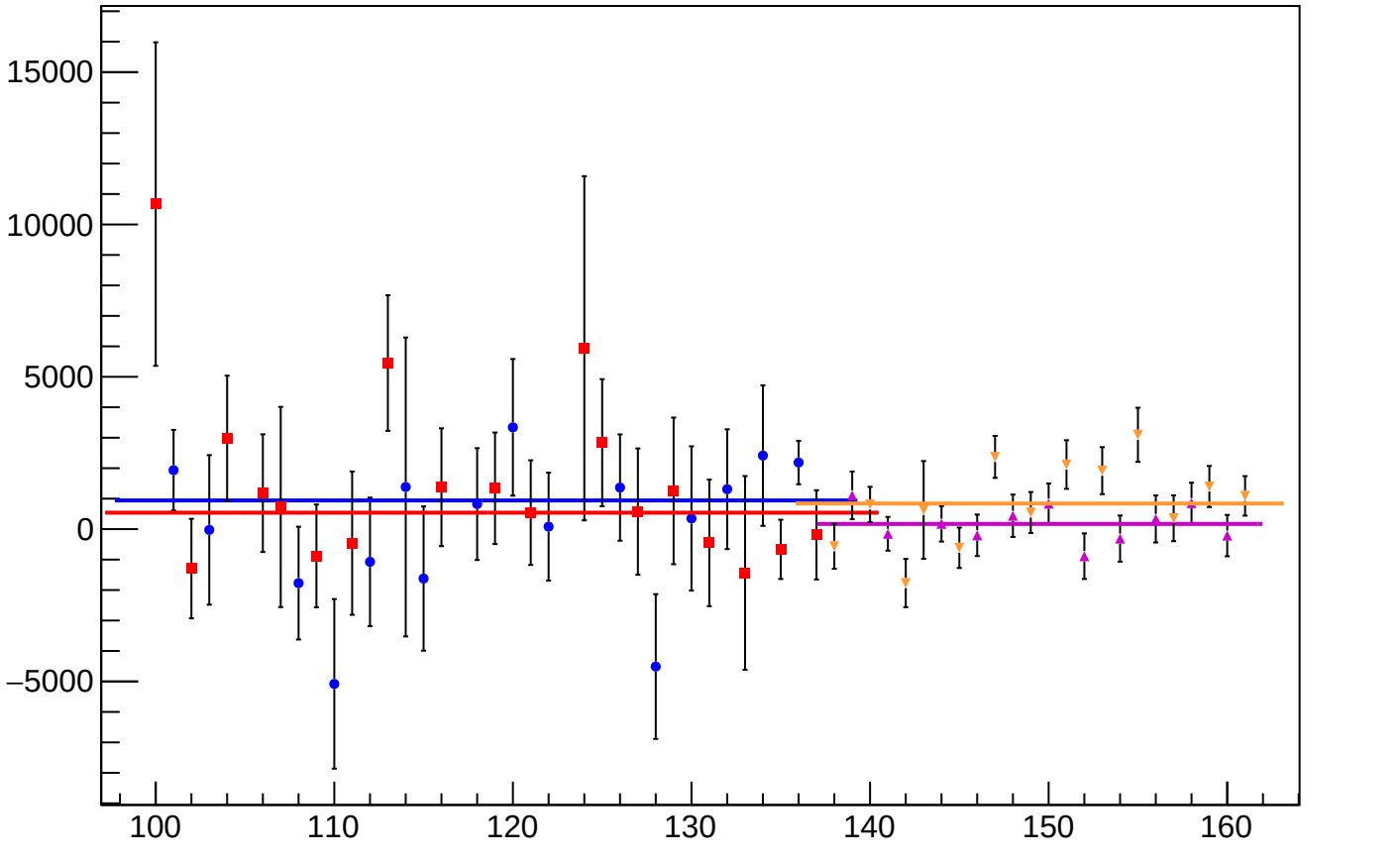
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

+ sign 1277.001+/-0.217 χ^2/NDF: 680217.8/28

All: 1273.365+/-0.155 χ^2/NDF: 1019629.7/58

- sign 1269.646+/-0.220 χ^2/NDF: 338846.1/29



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 841.226+/-202.894 χ^2/NDF:36.7/12

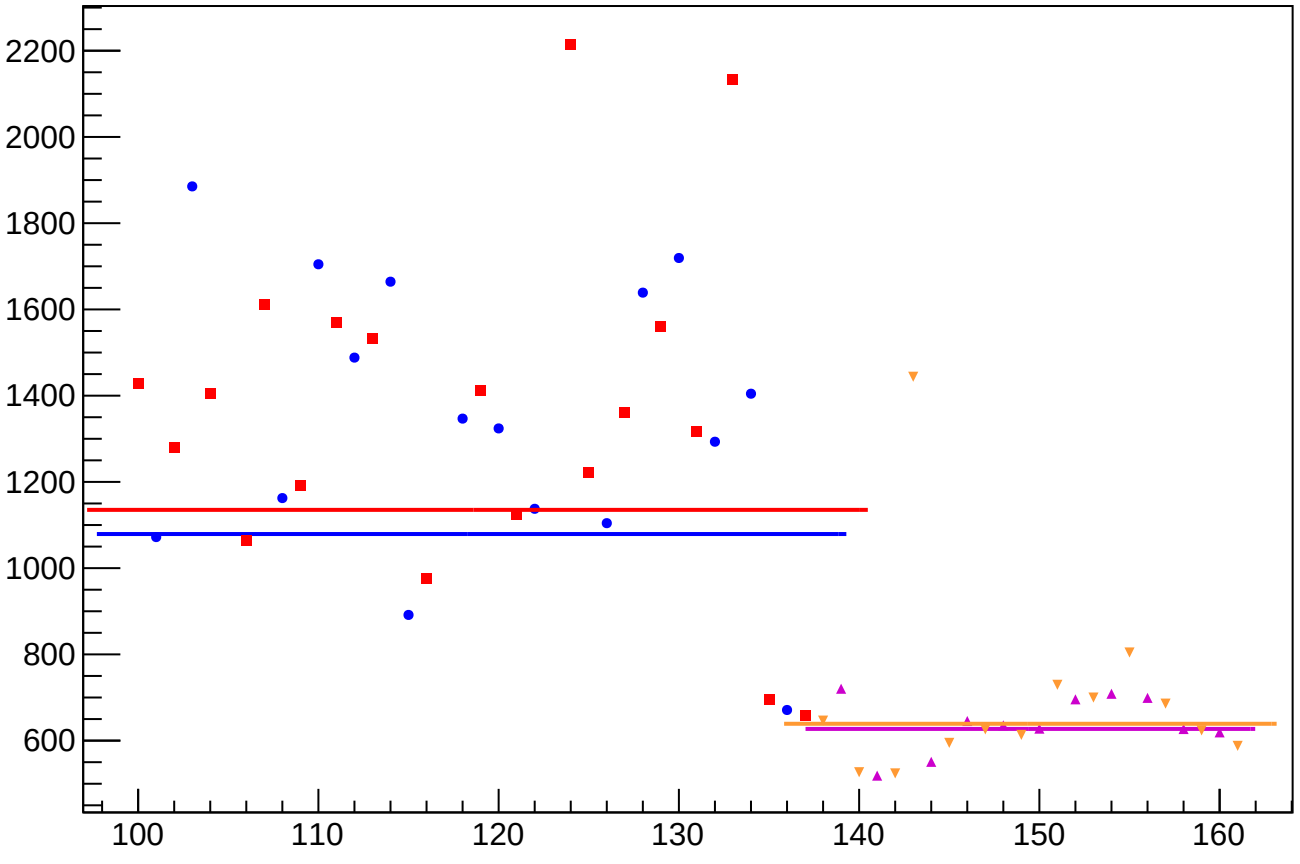
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 170.401+/-204.394 χ^2/NDF:7.0/10

\+ sign 859.826+/-183.166 χ^2/NDF: 56.6/28

All: 551.698+/-130.288 χ^2/NDF: 87.1/58

\- sign 236.135+/-185.363 χ^2/NDF: 24.8/29



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 639.086+/-0.143 χ^2/NDF:763491.9/12

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

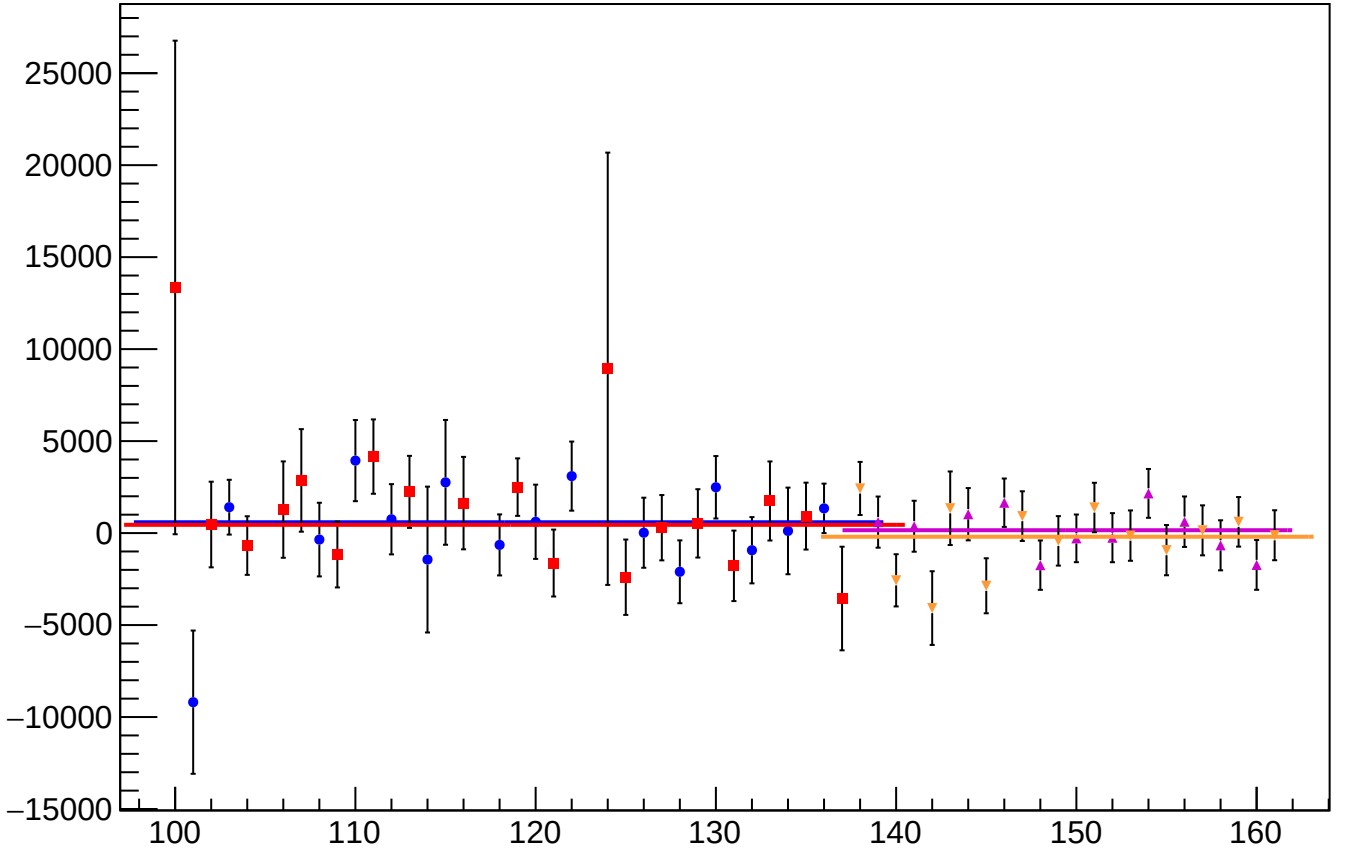
Left In: 627.151+/-0.145 χ^2/NDF:198310.9/10

+ sign 720.498+/-0.130 χ^2/NDF: 3986190.0/28

All: 718.943+/-0.092 χ^2/NDF: 7671515.6/58

- sign 717.349+/-0.131 χ^2/NDF: 3685033.5/29

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -198.688+/-398.942 χ^2/NDF:16.5/12

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

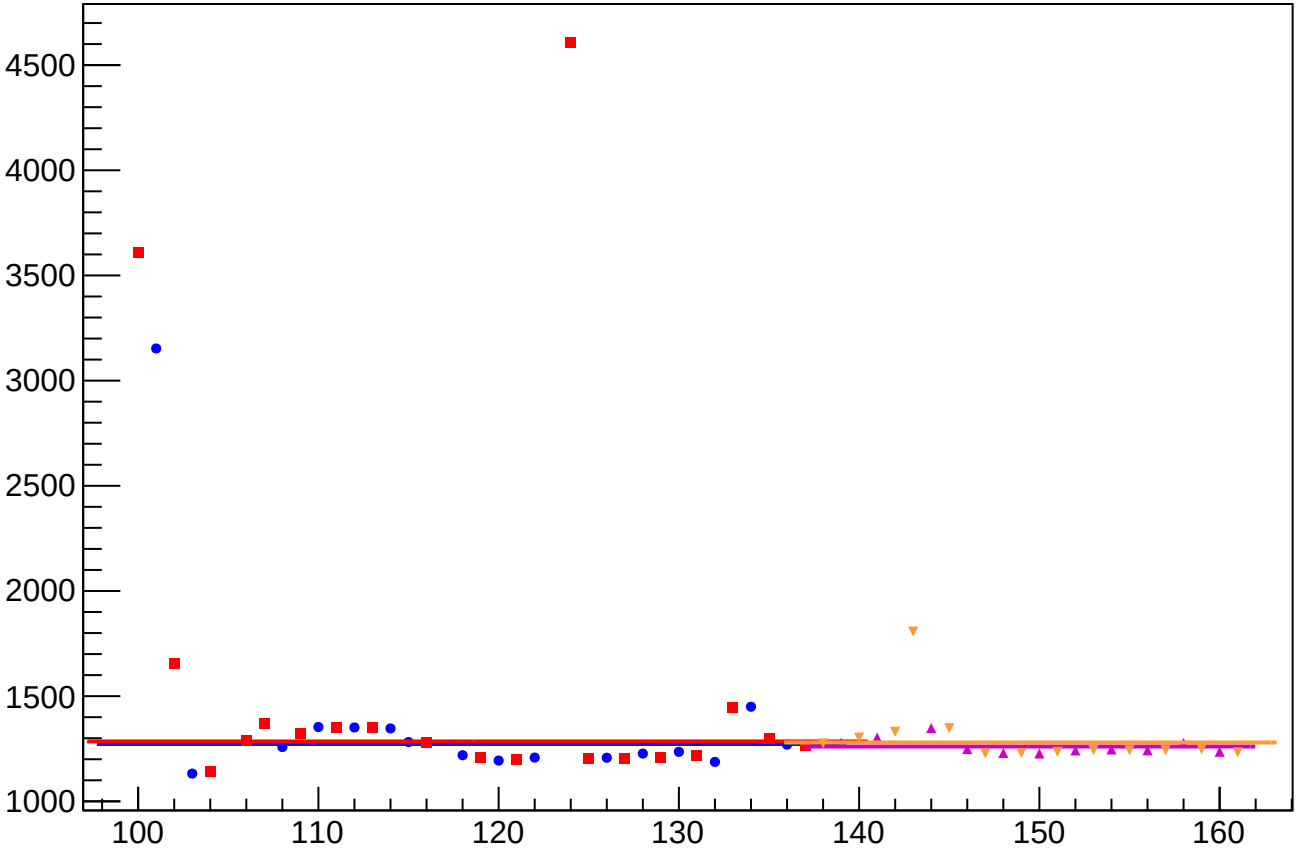
Left In: 155.064+/-407.833 χ^2/NDF:8.7/10

\+ sign 120.494+/-307.441 χ^2/NDF: 35.1/28

All: 198.129+/-218.696 χ^2/NDF: 60.9/58

\- sign 277.654+/-311.158 χ^2/NDF: 25.7/29

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1279.871+/-0.282 χ^2/NDF:160664.7/12

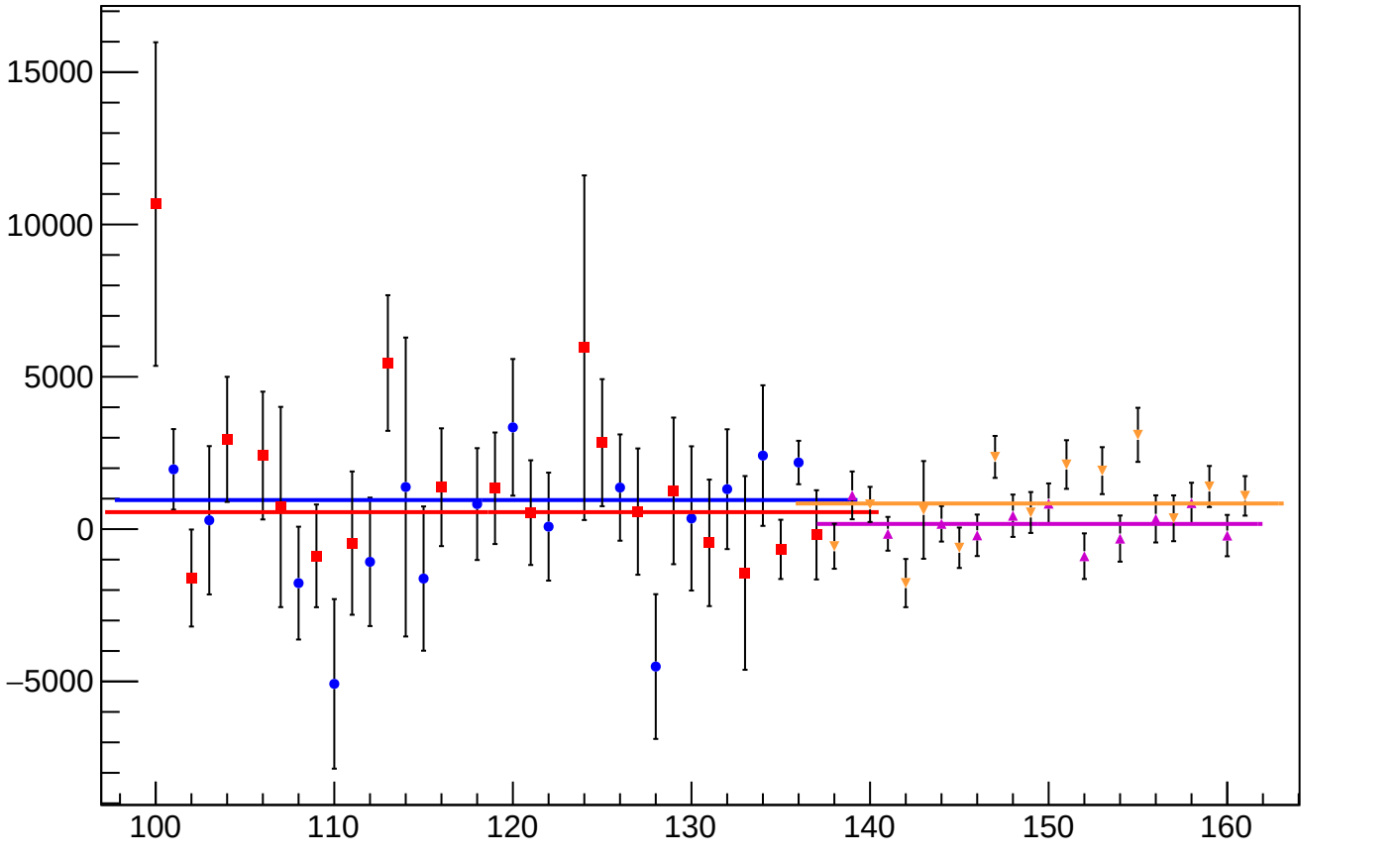
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

+ sign 1277.001+/-0.217 χ^2/NDF: 680219.2/28

All: 1273.832+/-0.155 χ^2/NDF: 1026676.9/58

- sign 1270.585+/-0.220 χ^2/NDF: 346027.4/29



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 841.185+/-202.896 χ^2/NDF:36.7/12

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

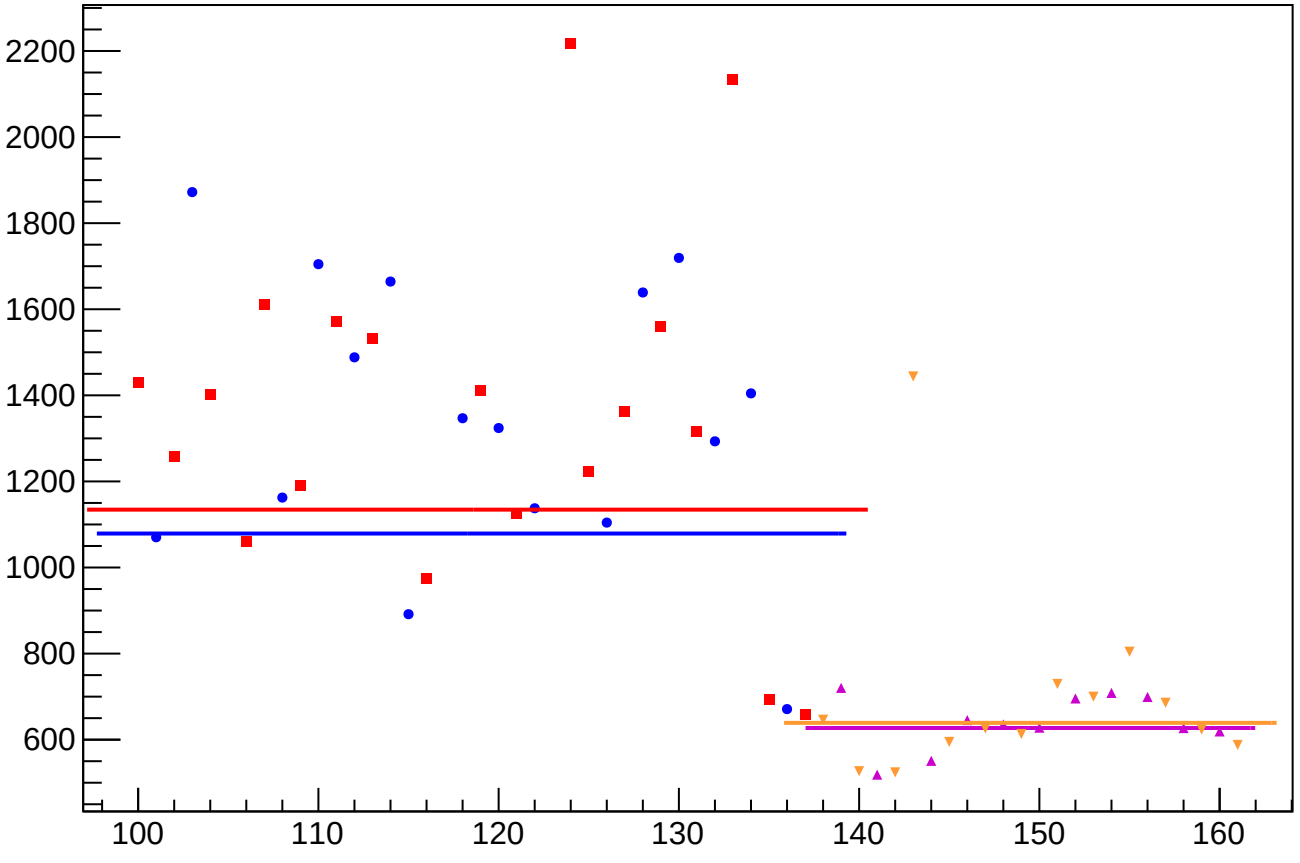
Left In: 170.370+/-204.393 χ^2/NDF:7.0/10

+ sign 862.099+/-183.153 χ^2/NDF: 56.6/28

All: 554.373+/-130.305 χ^2/NDF: 88.4/58

- sign 238.964+/-185.426 χ^2/NDF: 26.1/29

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: 639.091+/-0.143 χ^2/NDF:763406.4/12

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

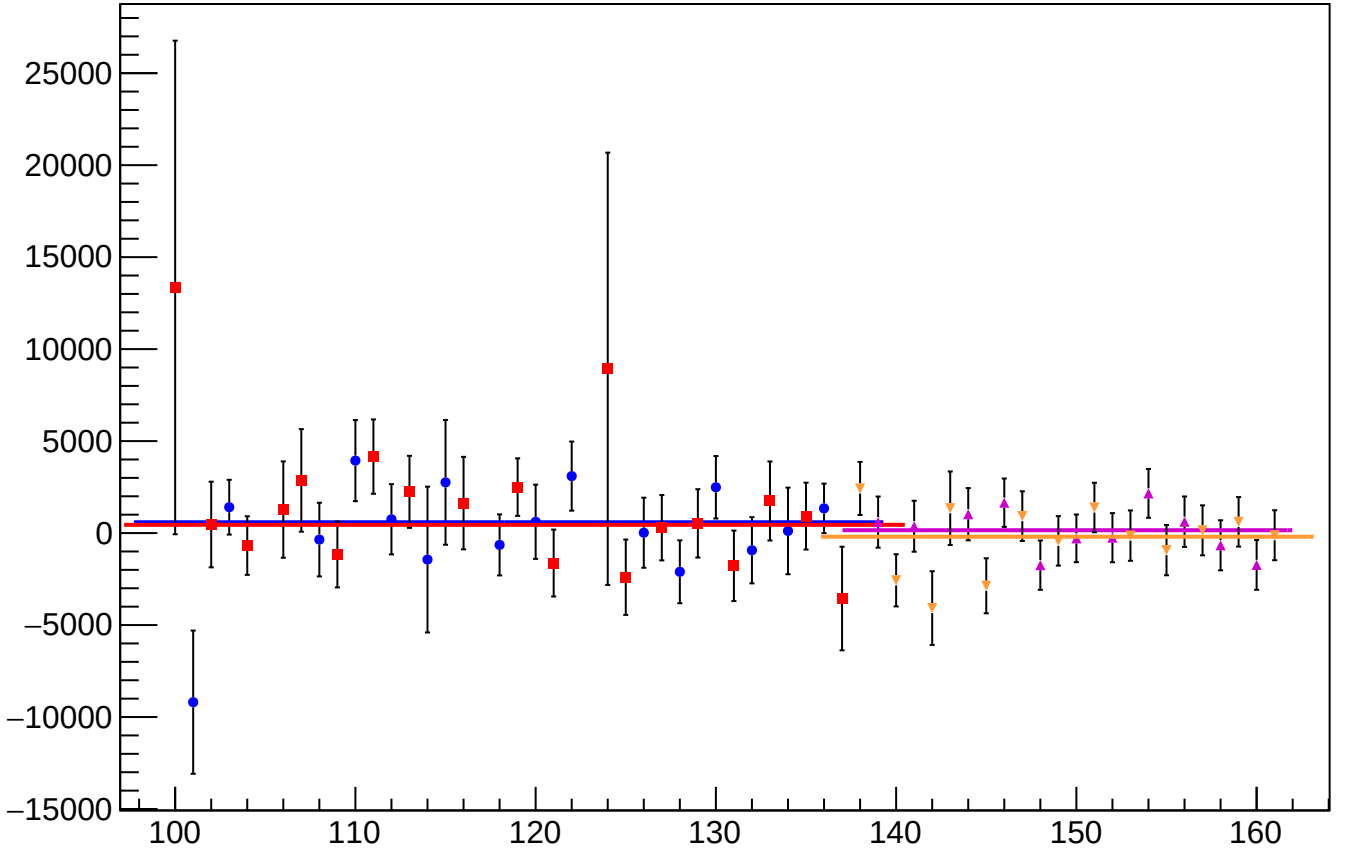
Left In: 627.147+/-0.145 χ^2/NDF:198335.7/10

+ sign 720.523+/-0.130 χ^2/NDF: 3982240.8/28

All: 718.748+/-0.092 χ^2/NDF: 7650241.5/58

- sign 716.929+/-0.131 χ^2/NDF: 3667620.4/29

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -198.688+/-398.942 χ^2/NDF:16.5/12

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

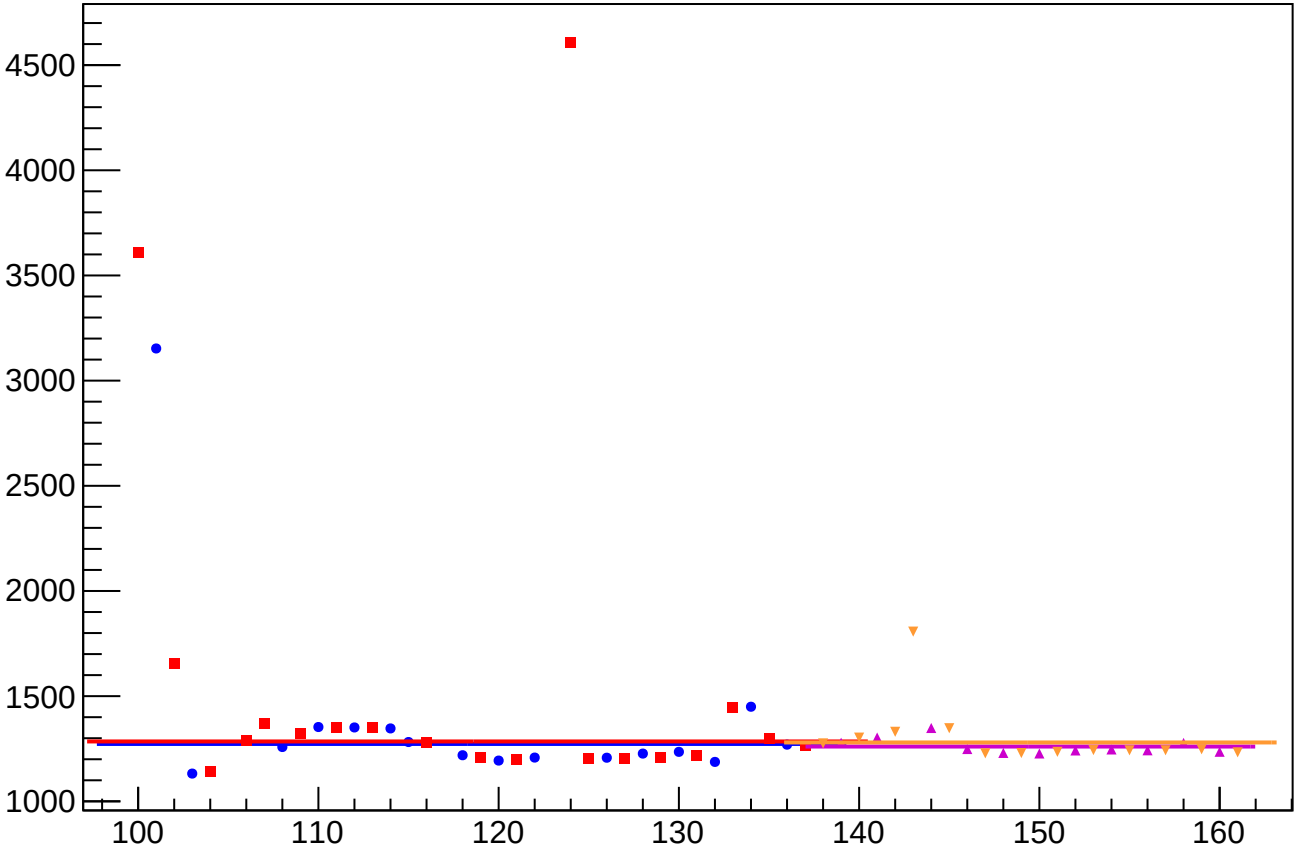
Left In: 155.064+/-407.833 χ^2/NDF:8.7/10

\+ sign 120.494+/-307.441 χ^2/NDF: 35.1/28

All: 198.129+/-218.696 χ^2/NDF: 60.9/58

\- sign 277.654+/-311.158 χ^2/NDF: 25.7/29

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: 1279.871+/-0.282 χ^2/NDF:160664.7/12

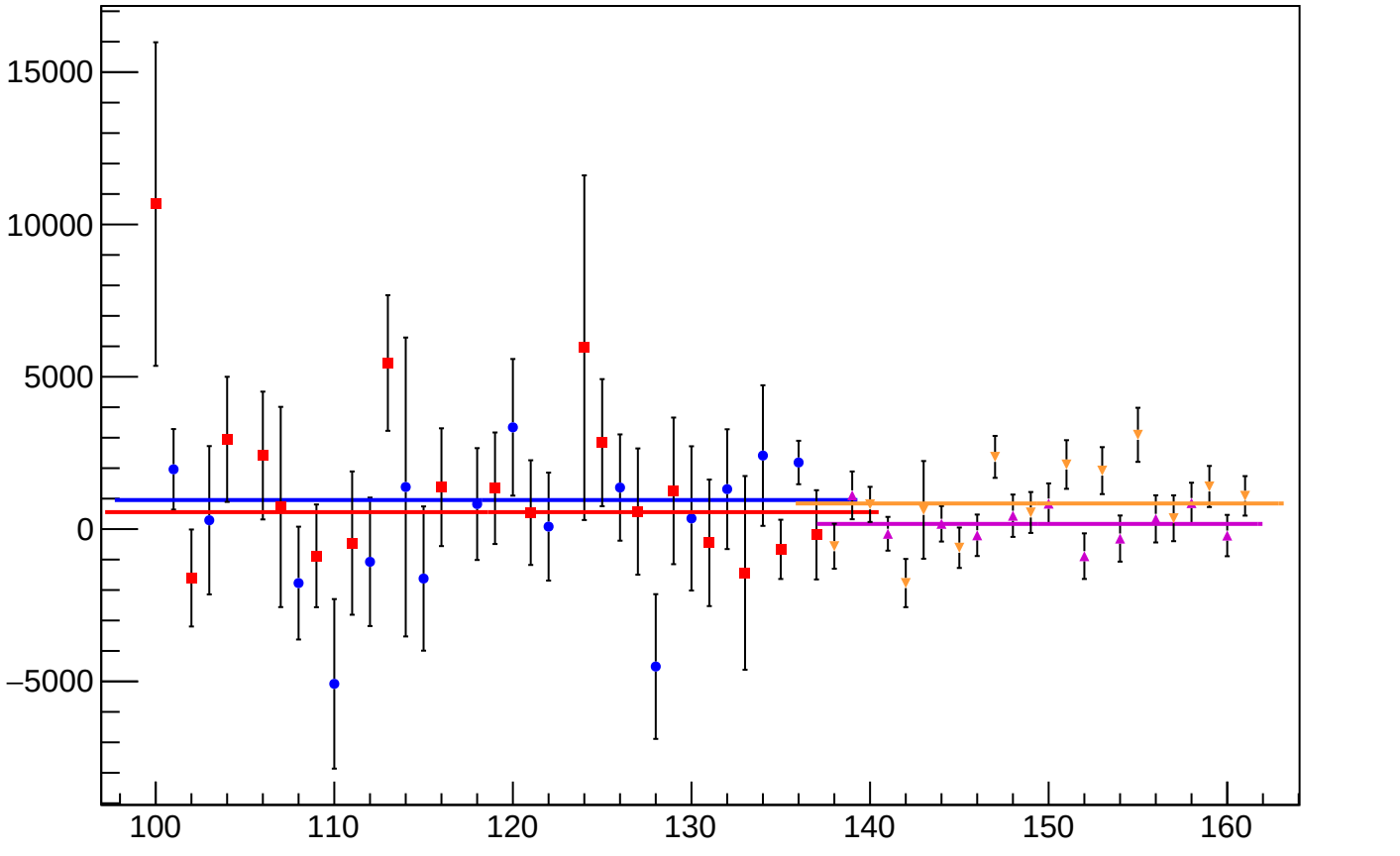
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

+ sign 1277.001+/-0.217 χ^2/NDF: 680219.2/28

All: 1273.832+/-0.155 χ^2/NDF: 1026676.9/58

- sign 1270.585+/-0.220 χ^2/NDF: 346027.4/29



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 841.185+/-202.896 χ^2/NDF:36.7/12

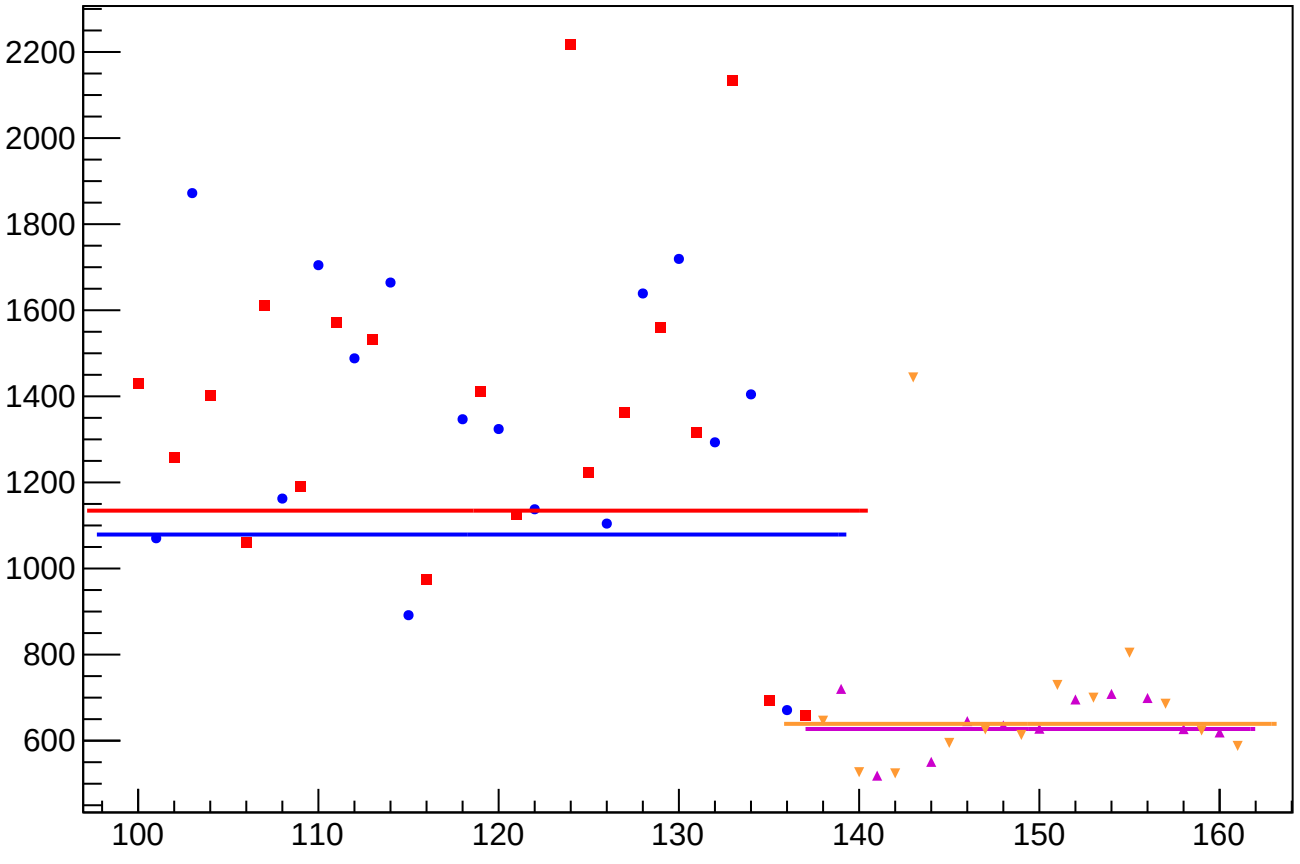
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 170.370+/-204.393 χ^2/NDF:7.0/10

+ sign 862.099+/-183.153 χ^2/NDF: 56.6/28

All: 554.373+/-130.305 χ^2/NDF: 88.4/58

- sign 238.964+/-185.426 χ^2/NDF: 26.1/29



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 639.091+/-0.143 χ^2/NDF:763406.4/12

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

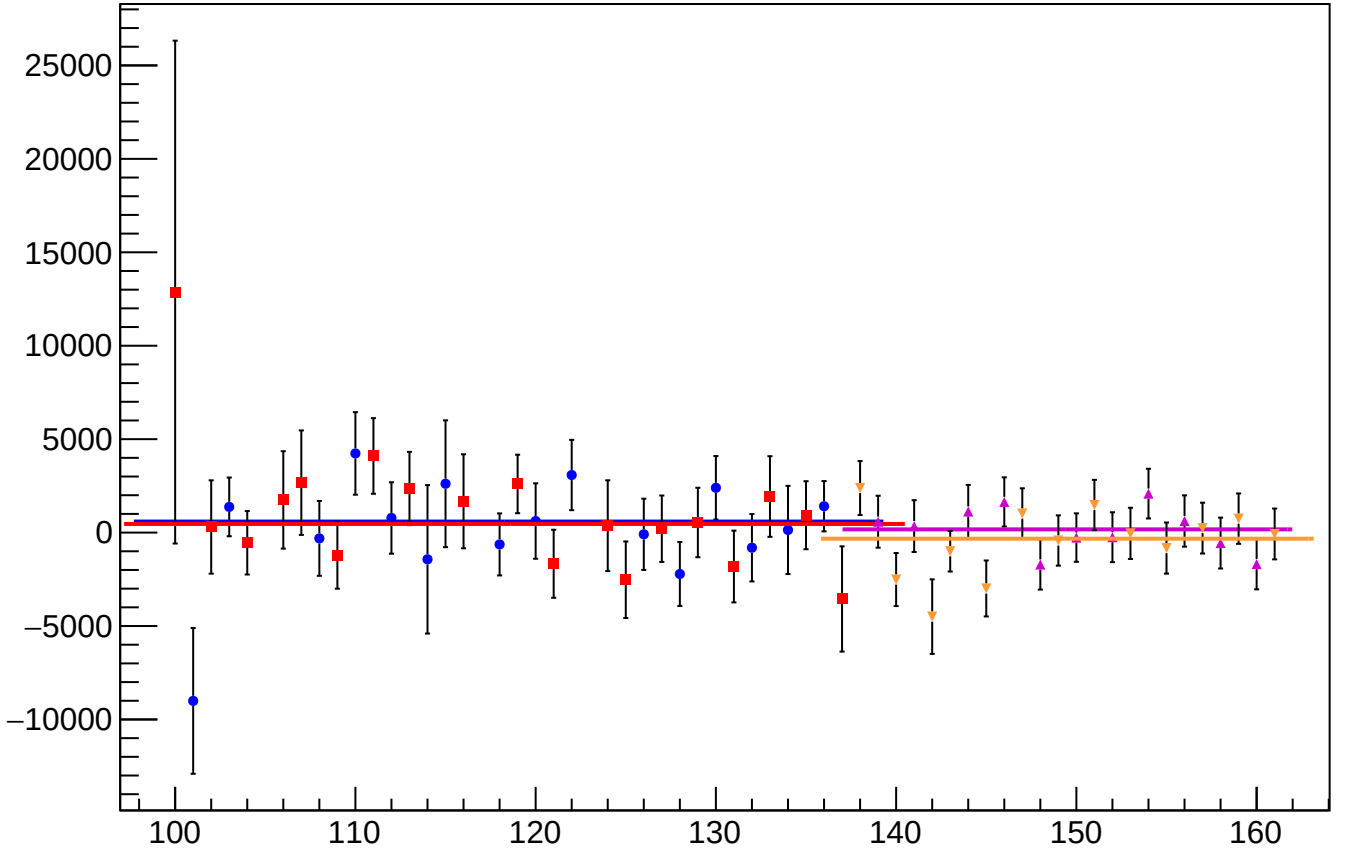
Left In: 627.147+/-0.145 χ^2/NDF:198335.7/10

+ sign 720.523+/-0.130 χ^2/NDF: 3982240.8/28

All: 718.748+/-0.092 χ^2/NDF: 7650241.5/58

- sign 716.929+/-0.131 χ^2/NDF: 3667620.4/29

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -325.689+/-381.343 χ^2/NDF:17.6/12

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

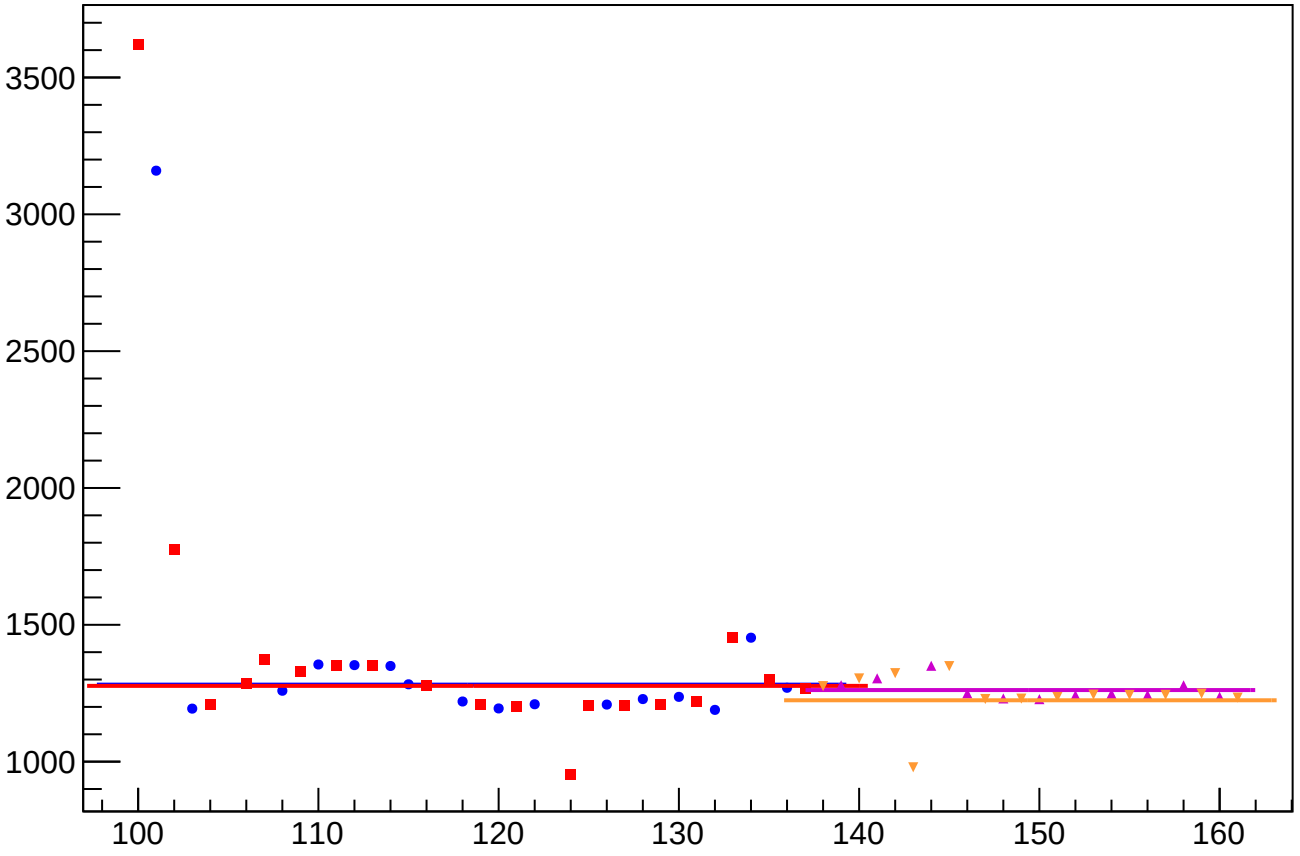
Left In: 172.339+/-408.184 χ^2/NDF:8.3/10

+ sign 23.834+/-299.890 χ^2/NDF: 36.9/28

All: 154.939+/-215.565 χ^2/NDF: 62.6/58

- sign 295.103+/-310.076 χ^2/NDF: 25.2/29

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1224.209+/-0.270 χ^2/NDF:132136.8/12

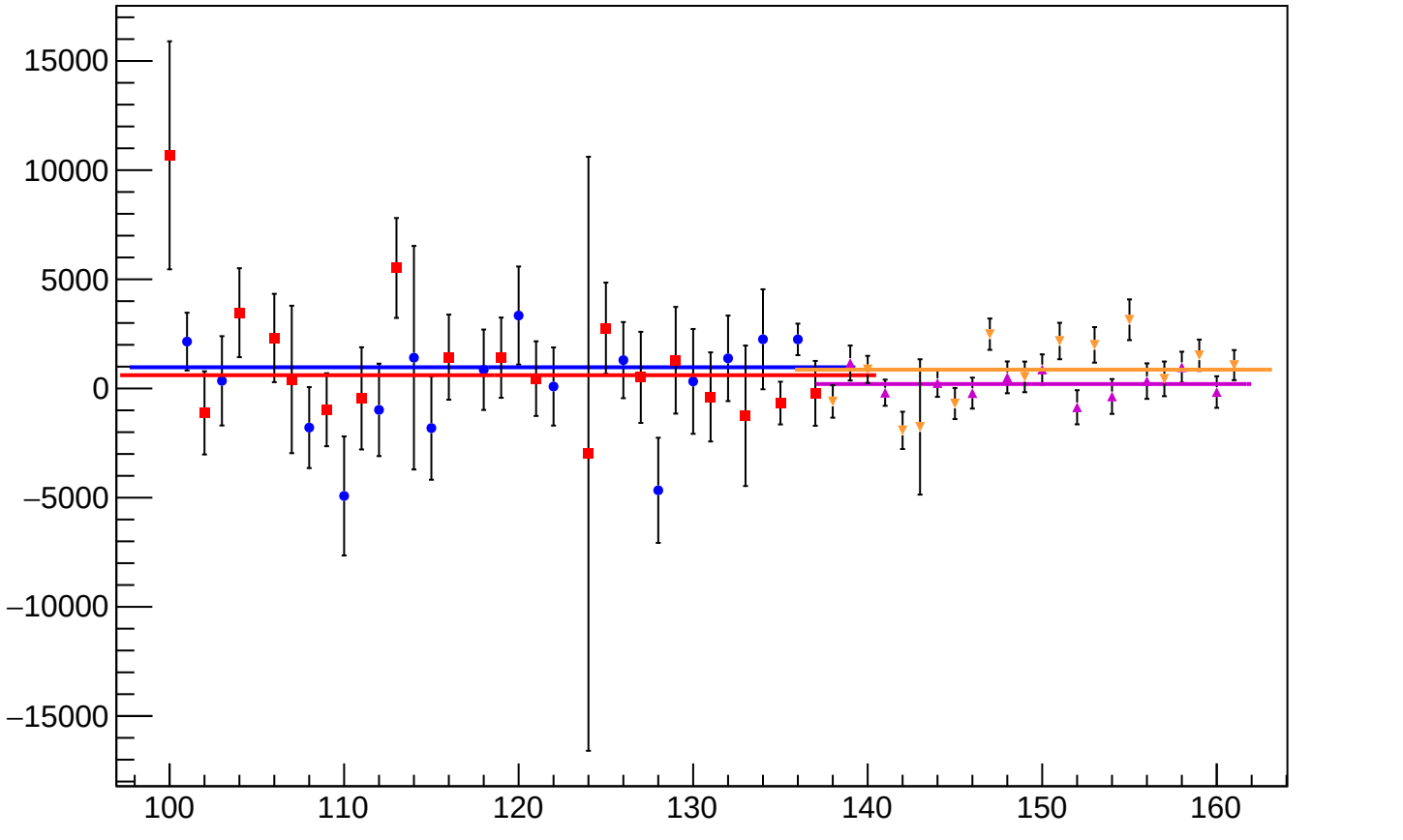
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1261.566+/-0.289 χ^2/NDF:14458.7/10

+ sign 1246.020+/-0.212 χ^2/NDF: 656360.7/28

All: 1256.659+/-0.152 χ^2/NDF: 897729.5/58

- sign 1268.034+/-0.219 χ^2/NDF: 236159.9/29



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 863.015+/-215.426 χ^2/NDF:36.9/12

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

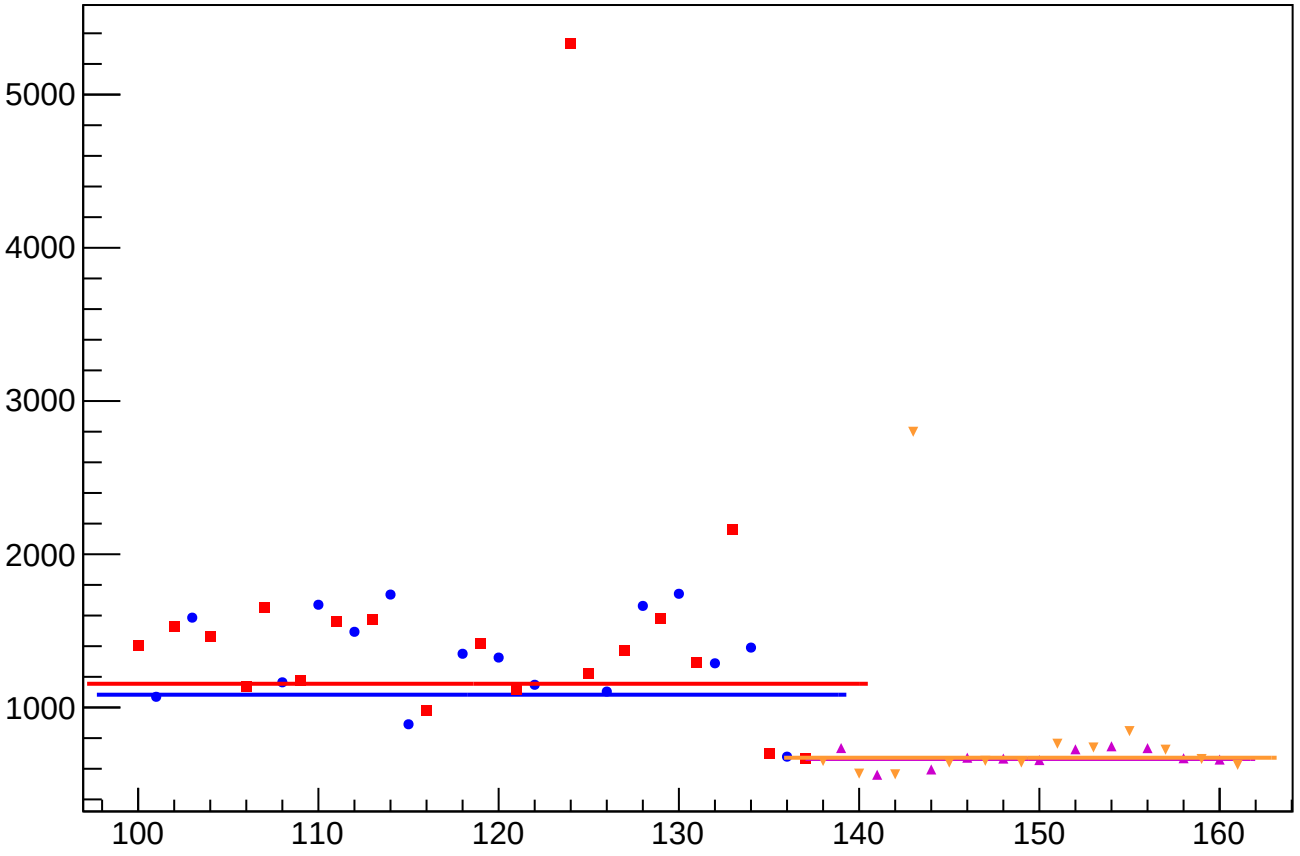
Left In: 204.796+/-216.071 χ^2/NDF:7.1/10

+ sign 885.333+/-192.171 χ^2/NDF: 57.4/28

All: 586.976+/-136.735 χ^2/NDF: 87.2/58

- sign 281.042+/-194.596 χ^2/NDF: 24.9/29

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: 671.977+/-0.152 χ^2/NDF:1166412.2/12

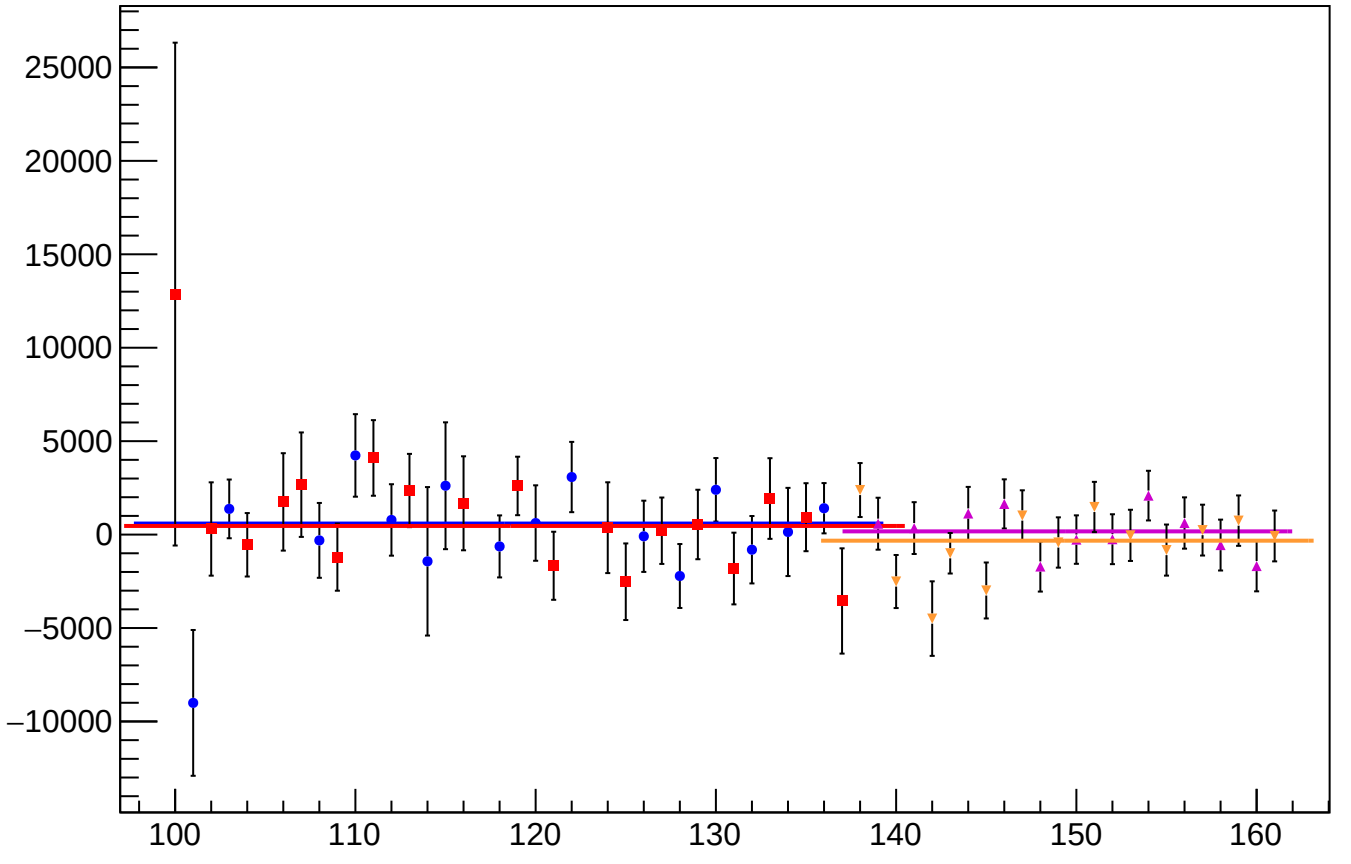
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 664.022+/-0.153 χ^2/NDF:149027.4/10

+ sign 755.995+/-0.136 χ^2/NDF: 4016008.3/28

All: 756.350+/-0.097 χ^2/NDF: 7601859.2/58

- sign 756.715+/-0.138 χ^2/NDF: 3585837.1/29



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -325.692+/-381.343 χ^2/NDF:17.6/12

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

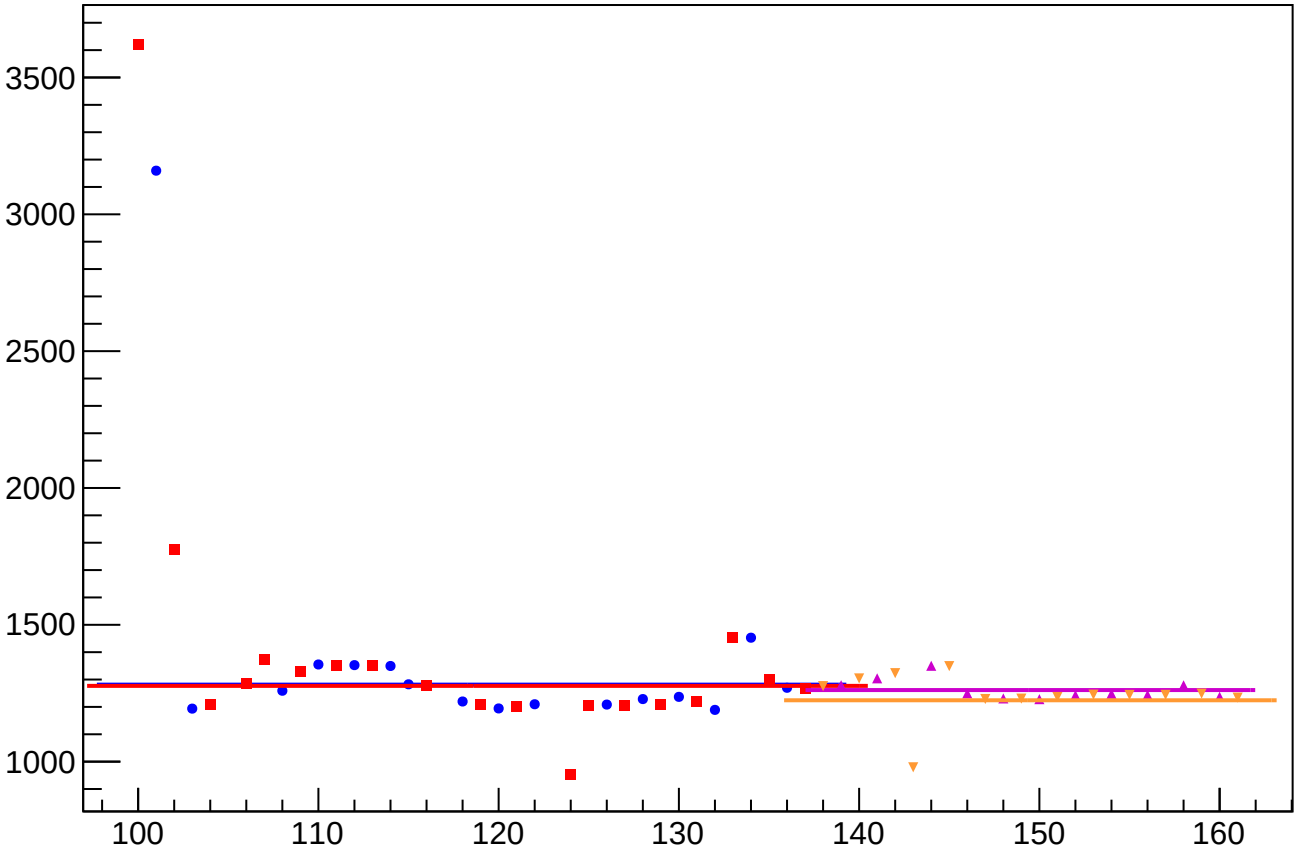
Left In: 172.339+/-408.184 χ^2/NDF:8.3/10

+ sign 23.833+/-299.890 χ^2/NDF: 36.9/28

All: 154.939+/-215.565 χ^2/NDF: 62.6/58

- sign 295.103+/-310.076 χ^2/NDF: 25.2/29

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: 1224.210+/-0.270 χ^2/NDF:132136.1/12

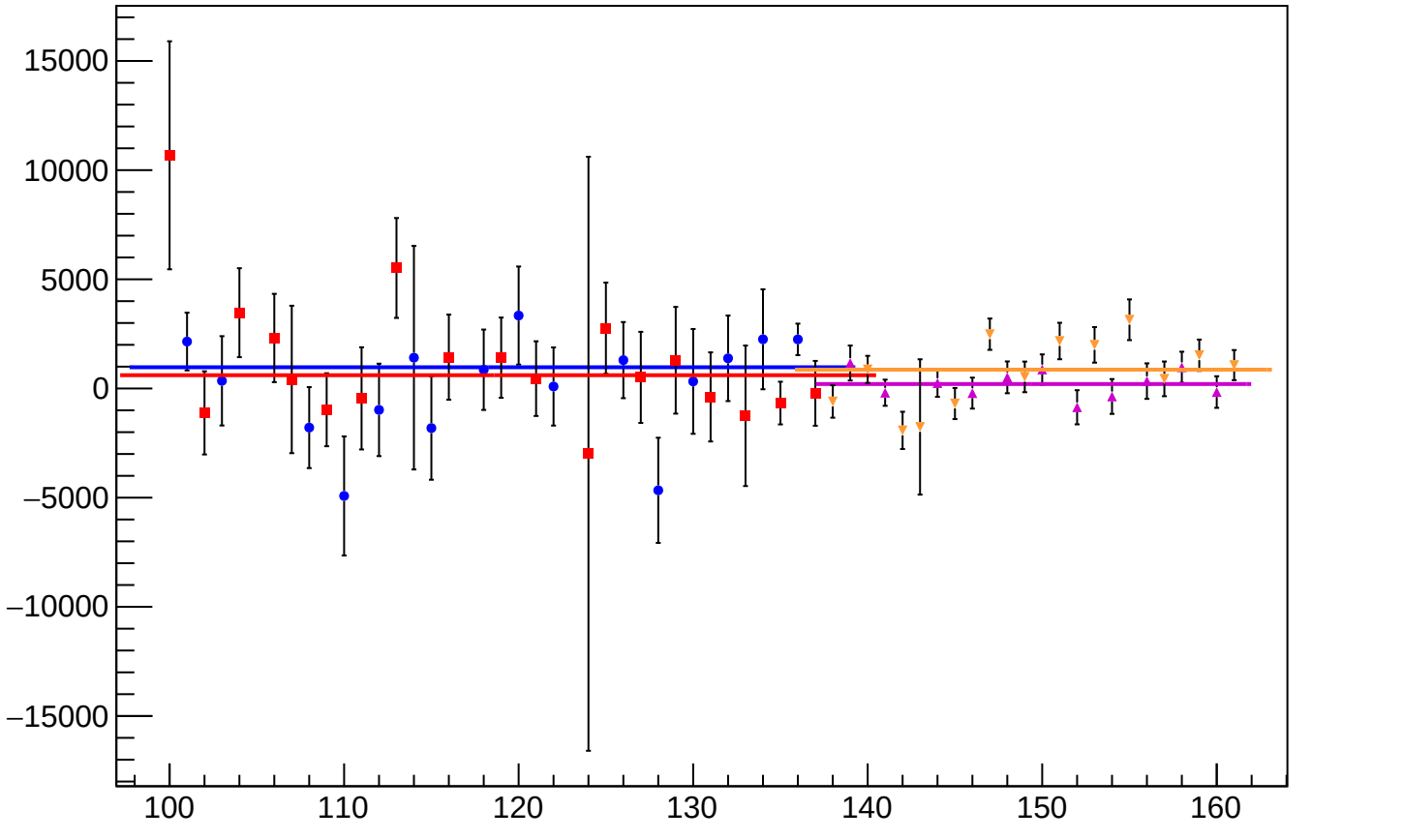
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1261.566+/-0.289 χ^2/NDF:14458.7/10

+ sign 1246.020+/-0.212 χ^2/NDF: 656360.0/28

All: 1256.659+/-0.152 χ^2/NDF: 897728.6/58

- sign 1268.034+/-0.219 χ^2/NDF: 236159.8/29



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 863.018+/-215.426 χ^2/NDF:36.9/12

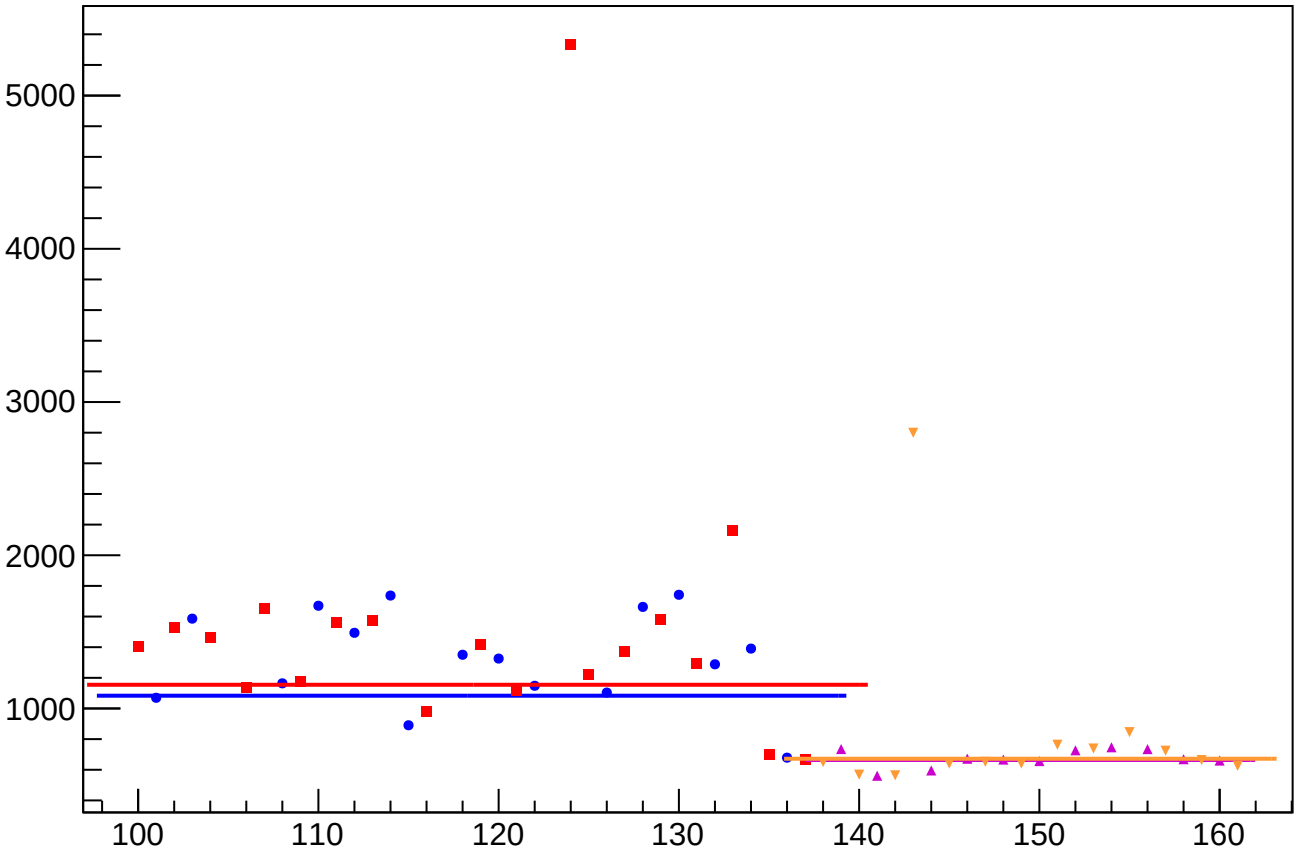
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 204.795+/-216.071 χ^2/NDF:7.1/10

+ sign 885.334+/-192.171 χ^2/NDF: 57.4/28

All: 586.977+/-136.735 χ^2/NDF: 87.2/58

- sign 281.042+/-194.596 χ^2/NDF: 24.9/29



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 671.978+/-0.152 χ^2/NDF:1166406.3/12

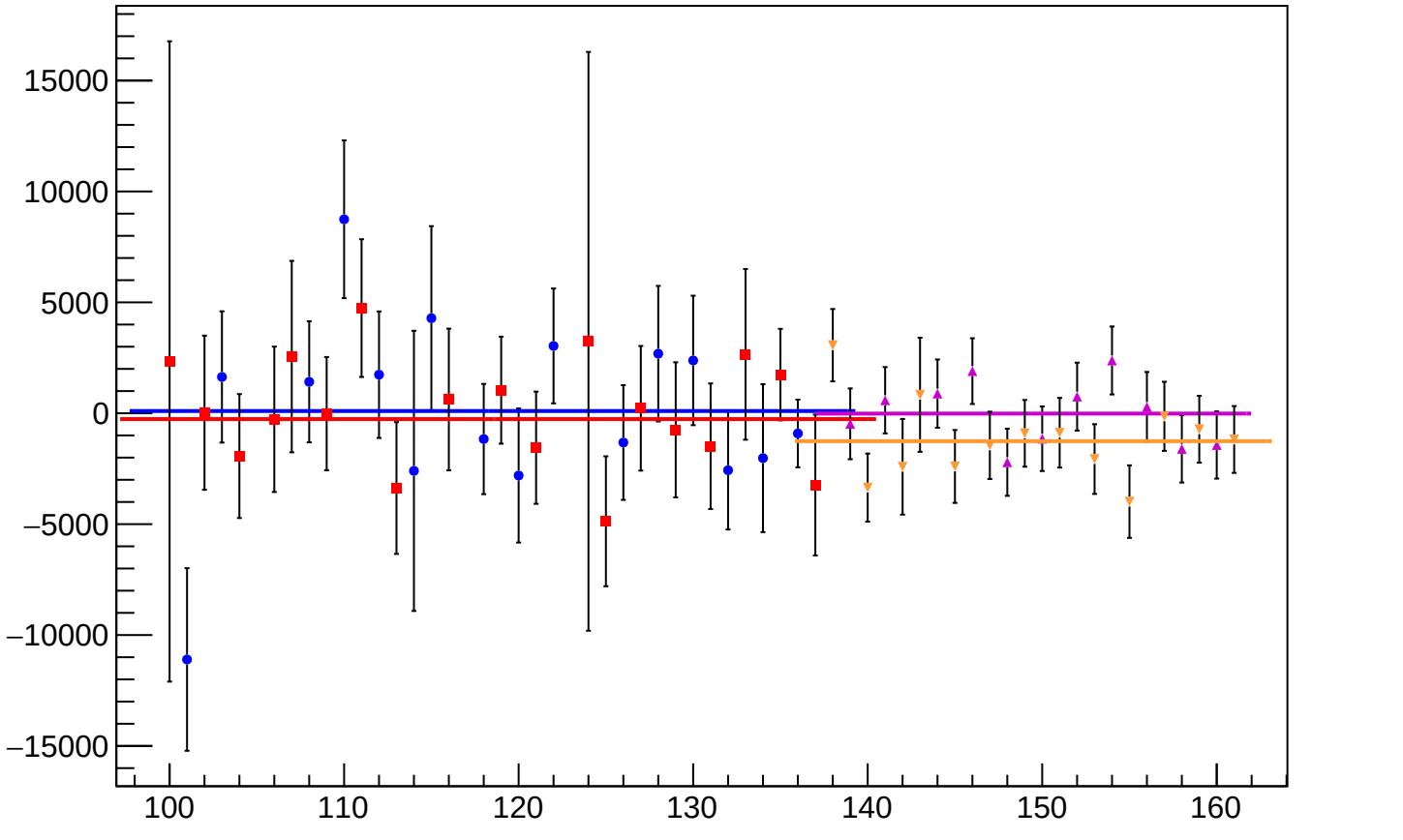
Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 664.022+/-0.153 χ^2/NDF:149029.5/10

+ sign 755.996+/-0.136 χ^2/NDF: 4015973.3/28

All: 756.352+/-0.097 χ^2/NDF: 7601814.3/58

- sign 756.716+/-0.138 χ^2/NDF: 3585827.1/29



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1258.789+/-452.202 χ^2/NDF:14.1/12

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

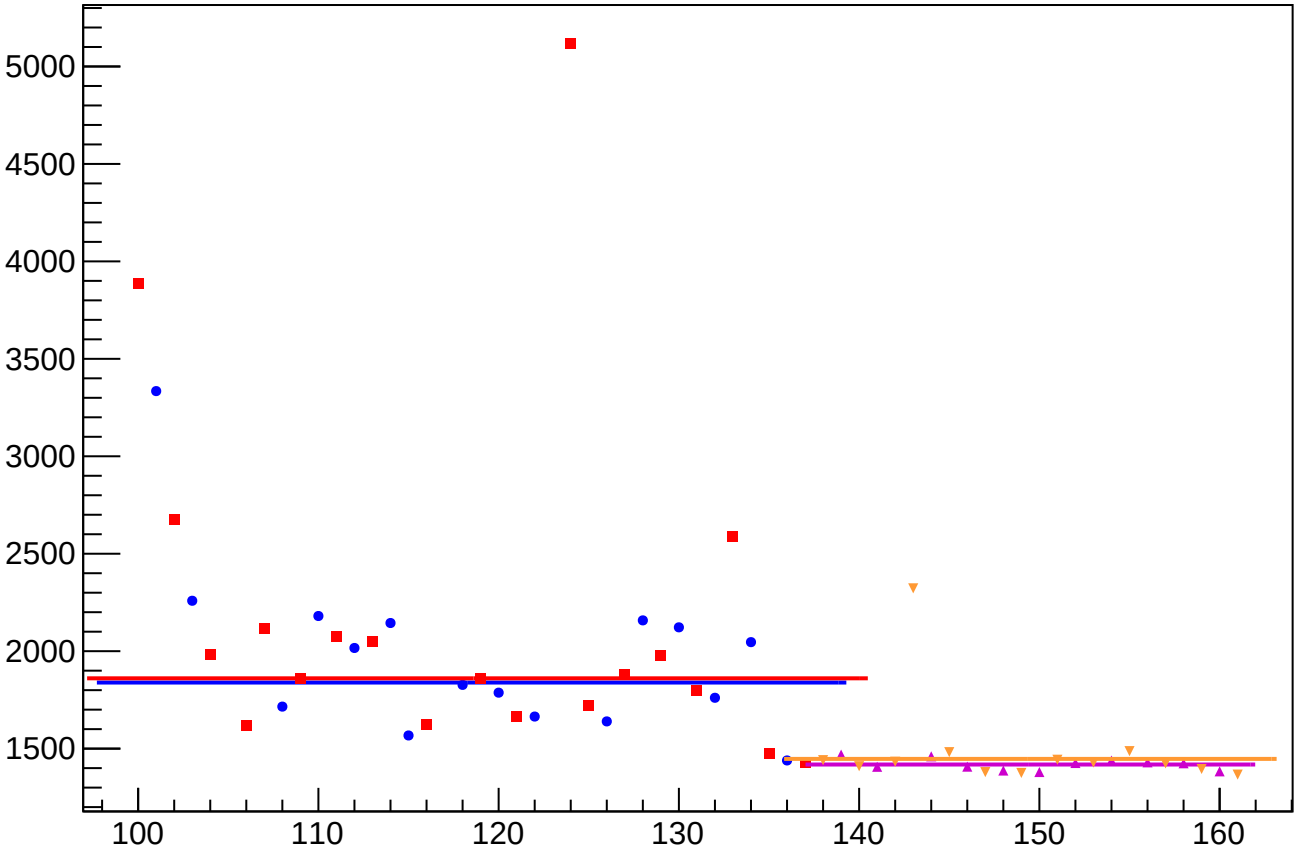
Left In: -14.145+/-458.917 χ^2/NDF:9.7/10

\+ sign -857.749+/-379.675 χ^2/NDF: 38.1/28

All: -477.430+/-269.899 χ^2/NDF: 60.2/58

\- sign -88.912+/-383.746 χ^2/NDF: 20.1/29

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1447.305+/-0.320 χ^2/NDF:252295.0/12

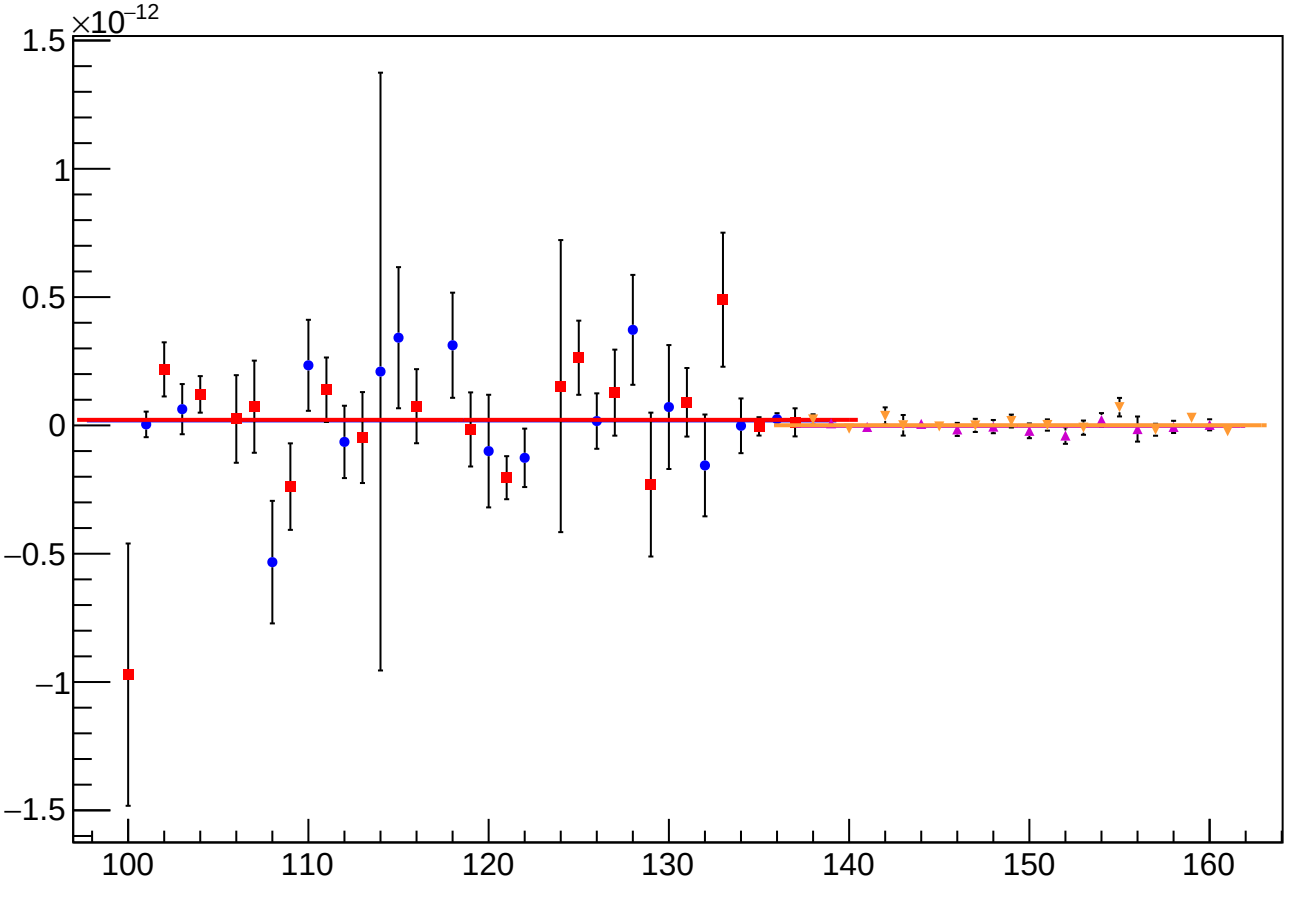
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1418.484+/-0.325 χ^2/NDF:7579.7/10

\+ sign 1562.907+/-0.268 χ^2/NDF: 1252022.0/28

All: 1557.268+/-0.191 χ^2/NDF: 2341306.2/58

\- sign 1551.508+/-0.271 χ^2/NDF: 1088392.4/29



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/12

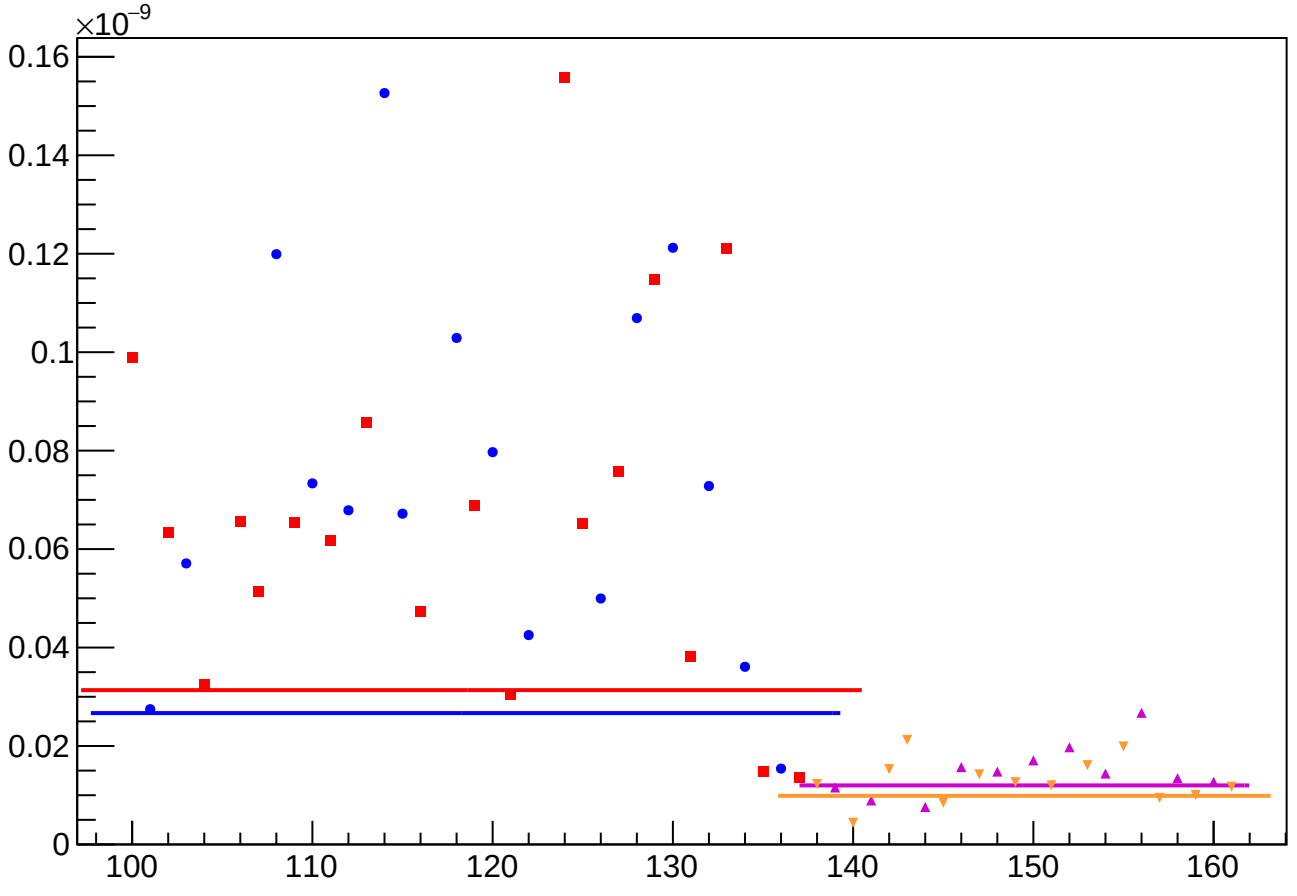
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 30.2/28

All: 0.000+/-0.000 χ^2/NDF: 63.1/58

- sign 0.000+/-0.000 χ^2/NDF: 32.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1157845.7/12

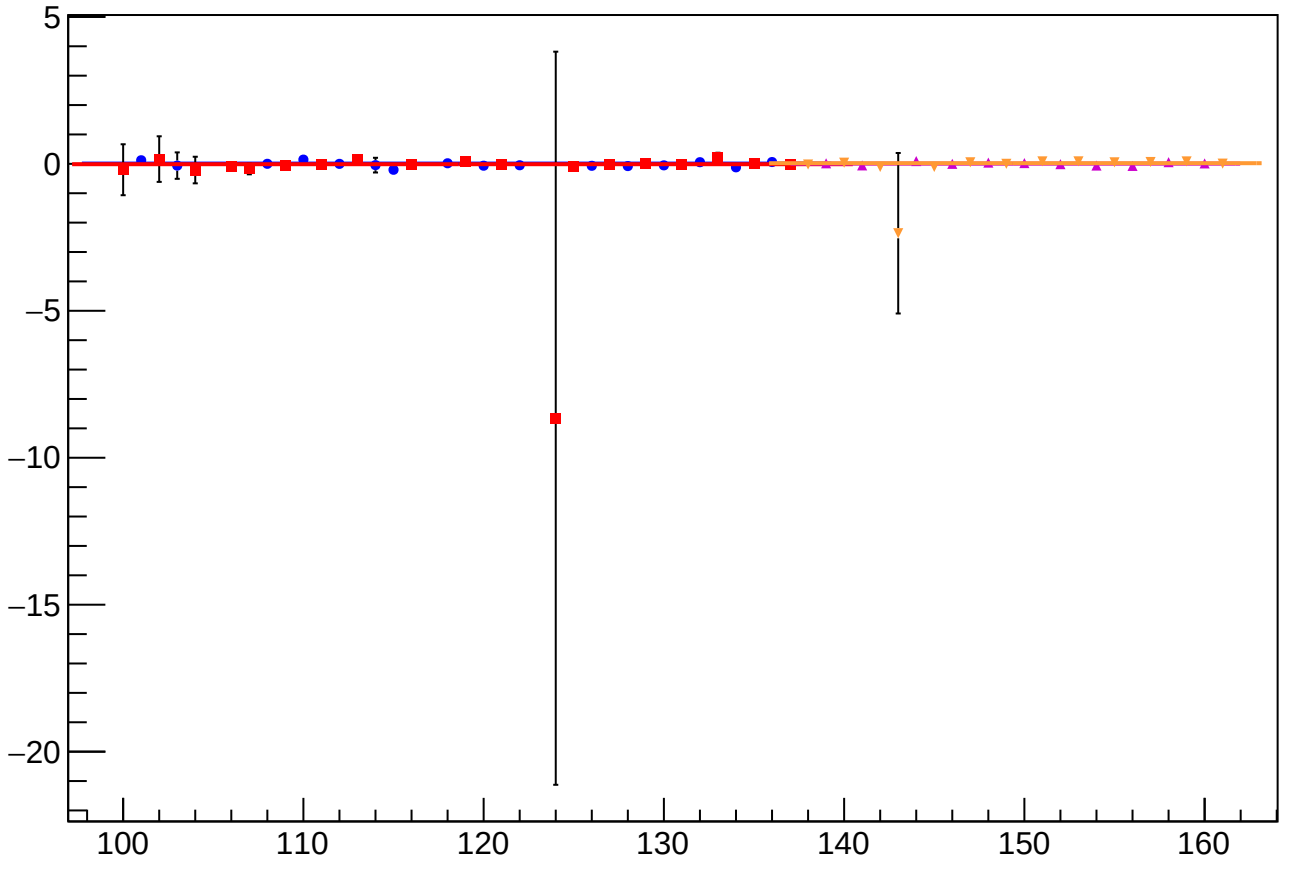
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:740193.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 5205098.8/28

All: 0.000+/-0.000 χ^2/NDF: 9758628.3/58

- sign 0.000+/-0.000 χ^2/NDF: 4401946.3/29



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/12

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

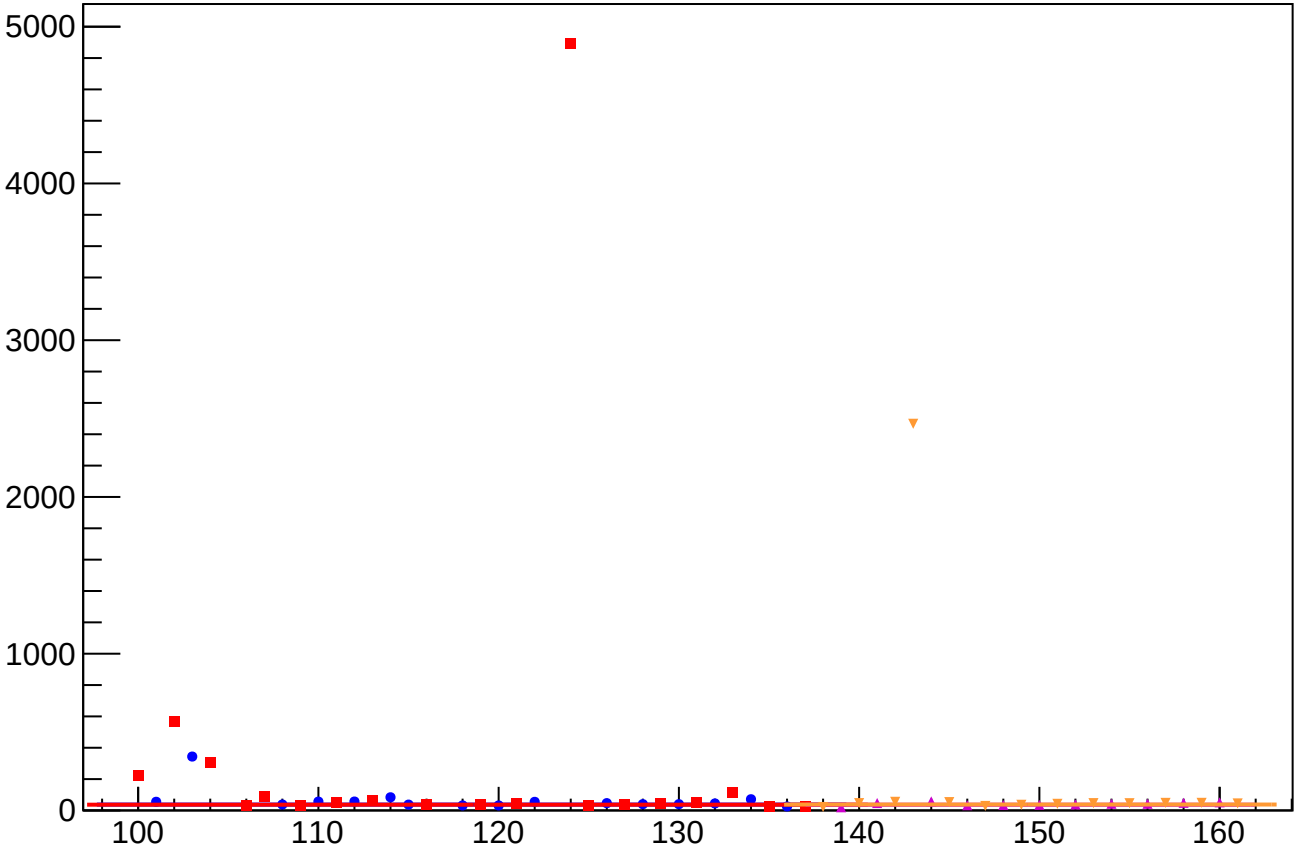
Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.016+/-0.010 χ^2/NDF: 36.0/28

All: 0.008+/-0.007 χ^2/NDF: 60.4/58

- sign -0.001+/-0.010 χ^2/NDF: 23.0/29

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: 37.787+/-0.009 χ^2/NDF:2910135.9/12

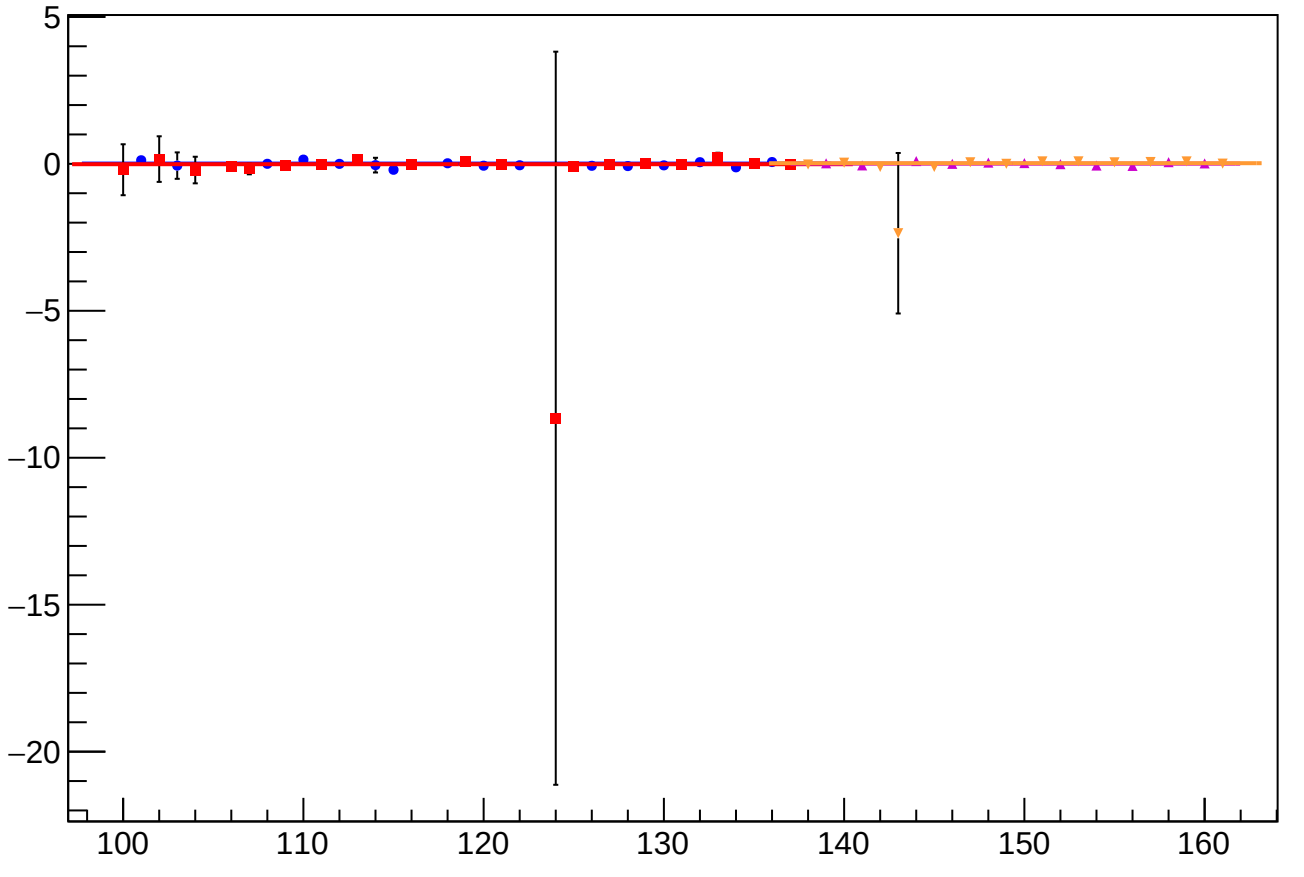
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.387+/-0.009 χ^2/NDF:1340802.6/10

+ sign 37.667+/-0.007 χ^2/NDF: 4893802.9/28

All: 37.098+/-0.005 χ^2/NDF: 9438192.3/58

- sign 36.531+/-0.007 χ^2/NDF: 4532152.2/29



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/12

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

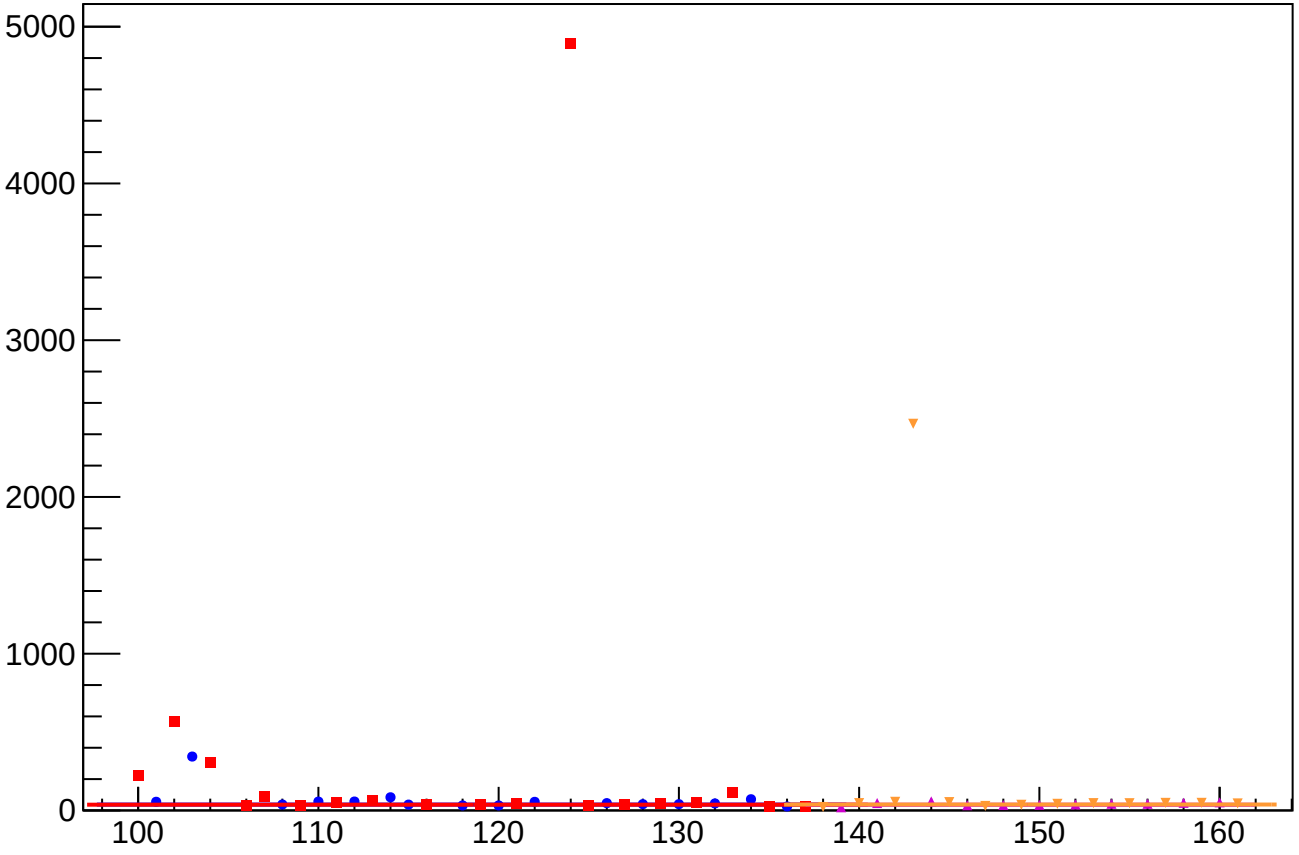
Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.016+/-0.010 χ^2/NDF: 36.0/28

All: 0.008+/-0.007 χ^2/NDF: 60.4/58

- sign -0.001+/-0.010 χ^2/NDF: 23.0/29

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: 37.787+/-0.009 χ^2/NDF:2910135.9/12

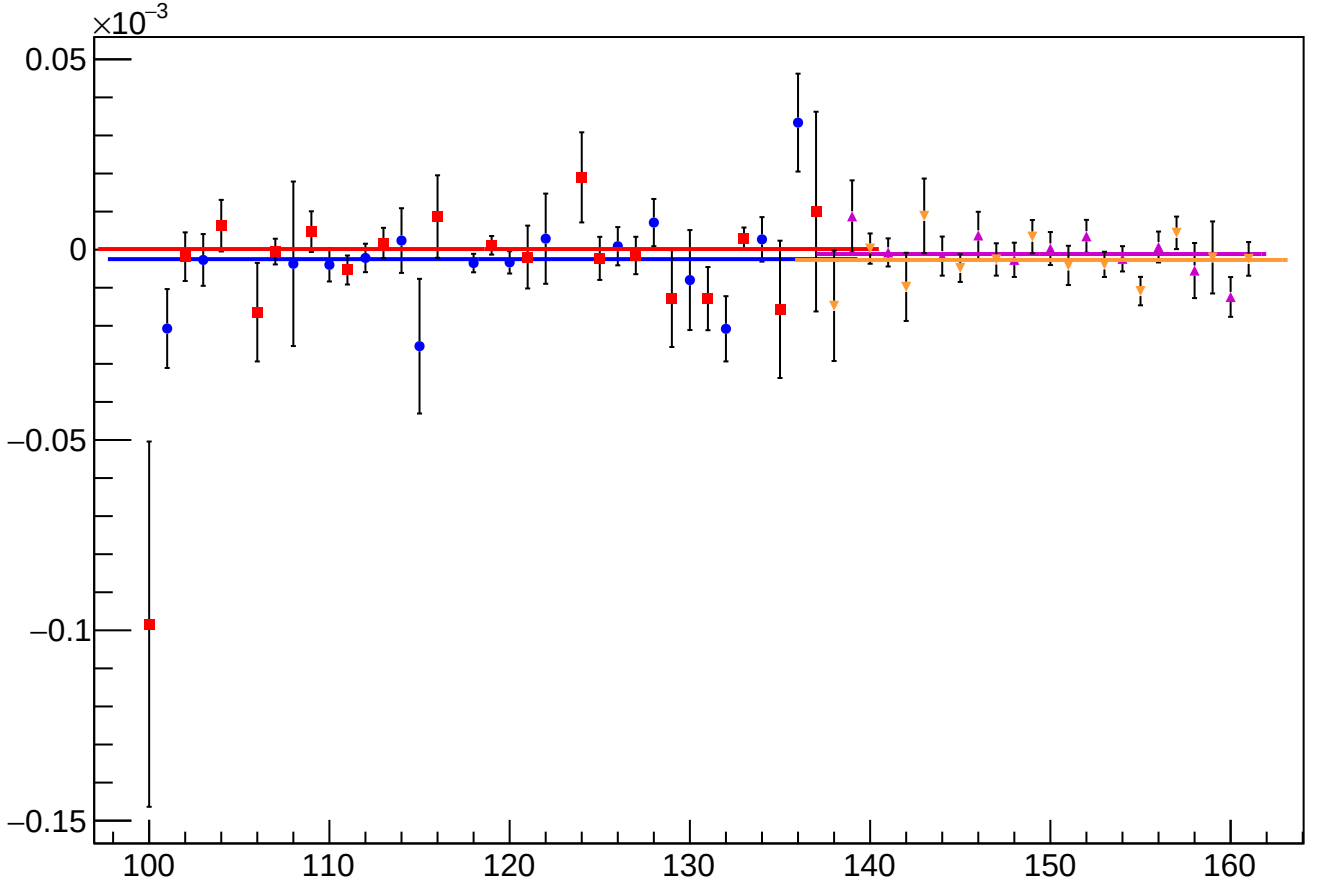
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.387+/-0.009 χ^2/NDF:1340802.6/10

+ sign 37.667+/-0.007 χ^2/NDF: 4893802.9/28

All: 37.098+/-0.005 χ^2/NDF: 9438192.3/58

- sign 36.531+/-0.007 χ^2/NDF: 4532152.2/29



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

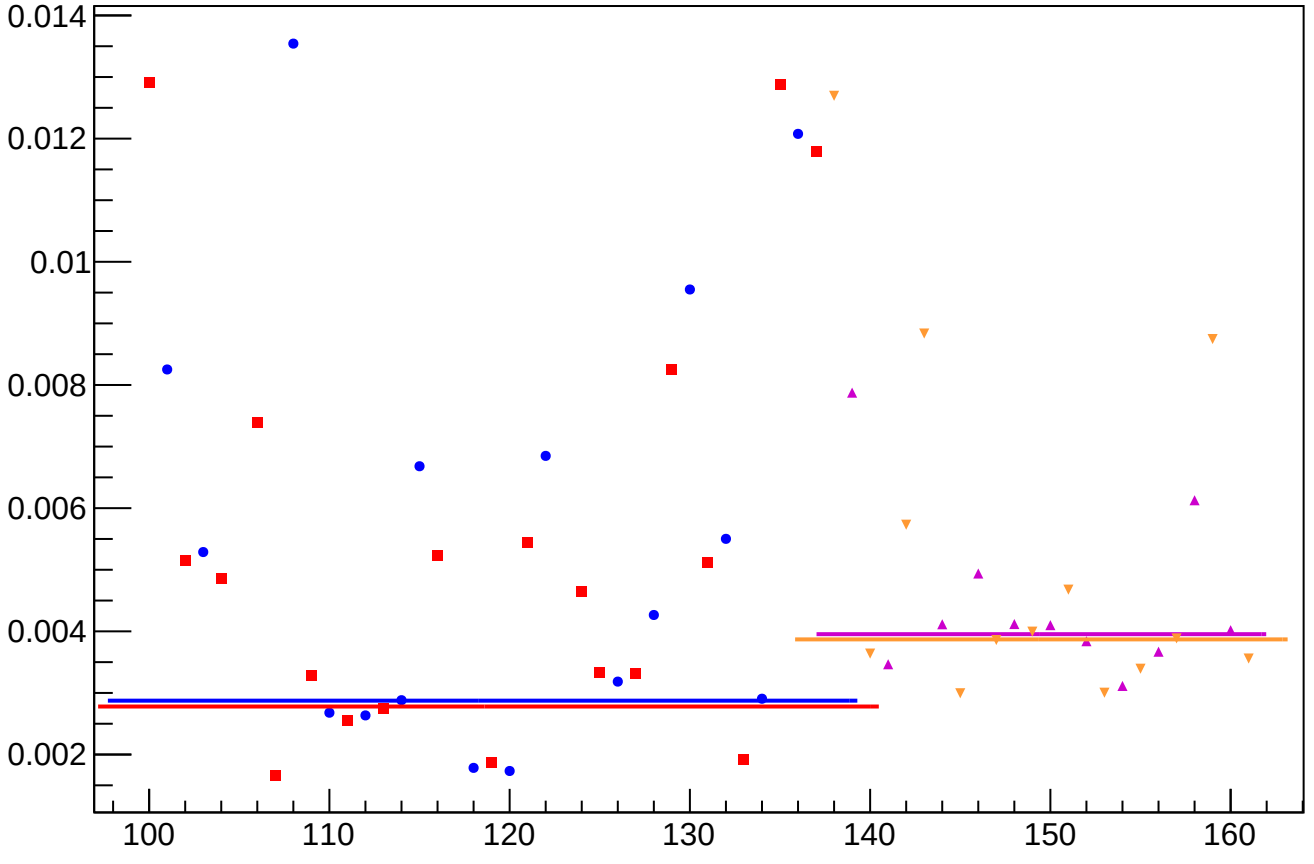
Left In: -0.000+/-0.000 χ^2/NDF:8.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/28

All: -0.000+/-0.000 χ^2/NDF: 66.0/58

- sign -0.000+/-0.000 χ^2/NDF: 27.9/29

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: 0.004+/-0.000 χ^2/NDF:2222743.2/12

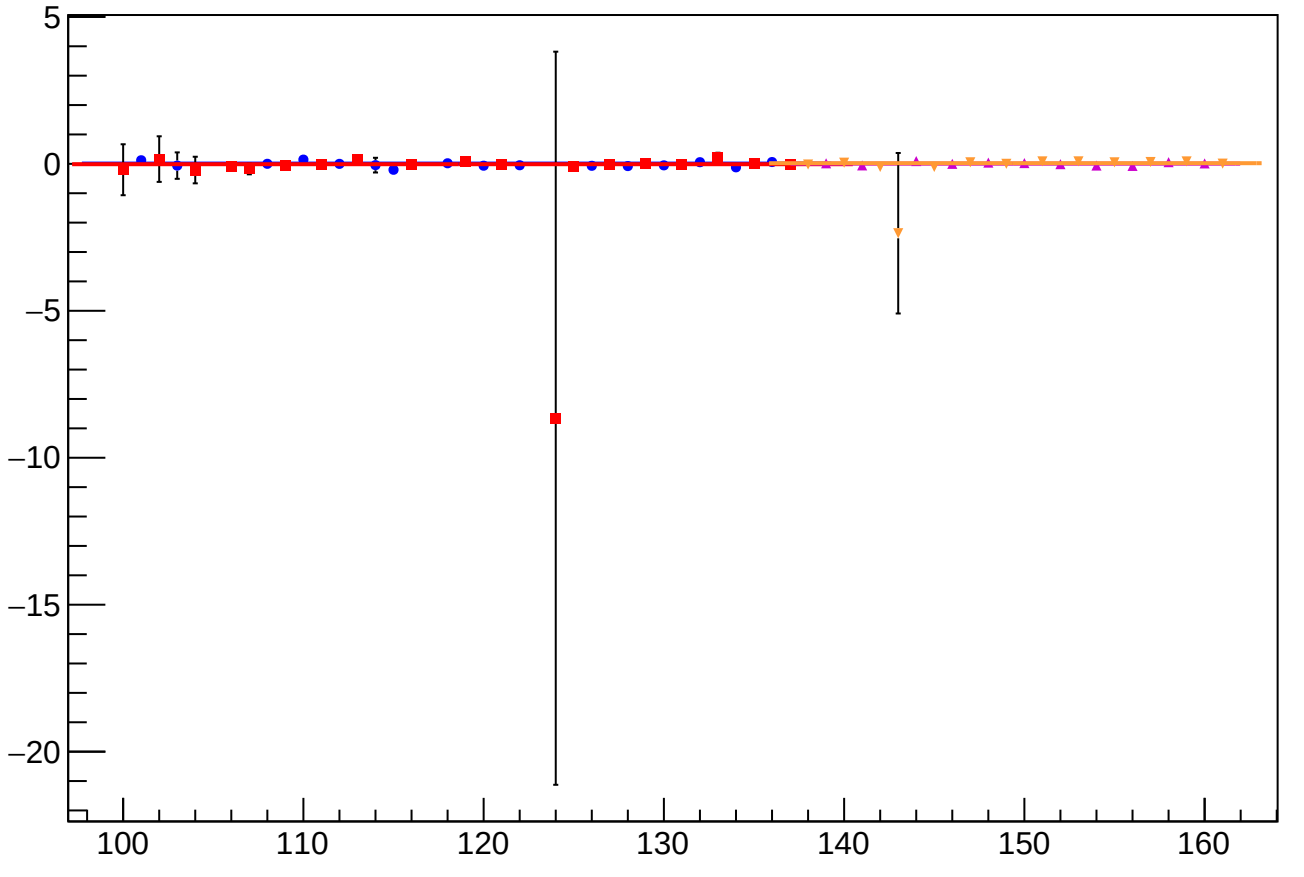
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:756069.8/10

+ sign 0.003+/-0.000 χ^2/NDF: 6957592.2/28

All: 0.003+/-0.000 χ^2/NDF: 11867442.0/58

- sign 0.003+/-0.000 χ^2/NDF: 4895659.1/29



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/12

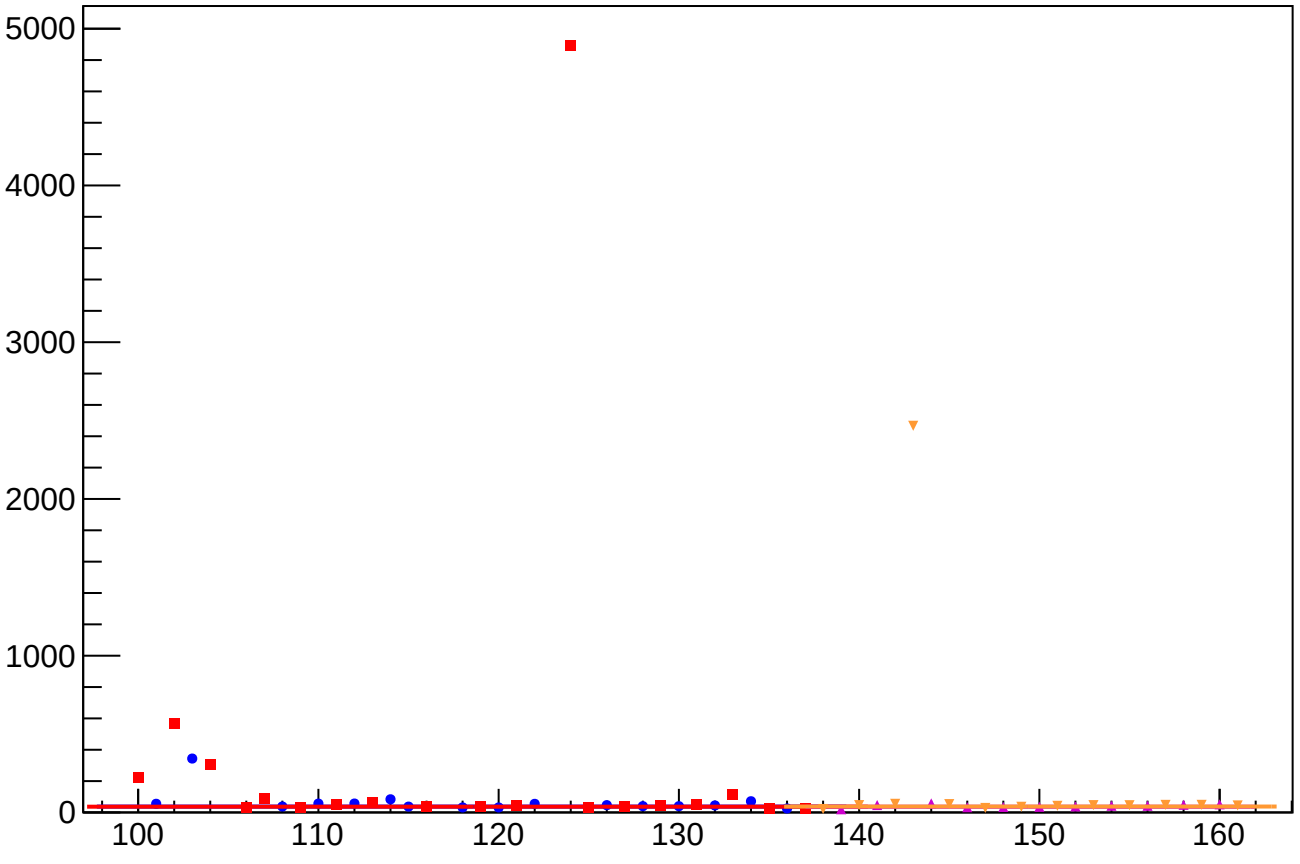
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.016+/-0.010 χ^2/NDF: 36.0/28

All: 0.008+/-0.007 χ^2/NDF: 60.4/58

- sign -0.001+/-0.010 χ^2/NDF: 23.0/29



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.784+/-0.009 χ^2/NDF:2910725.0/12

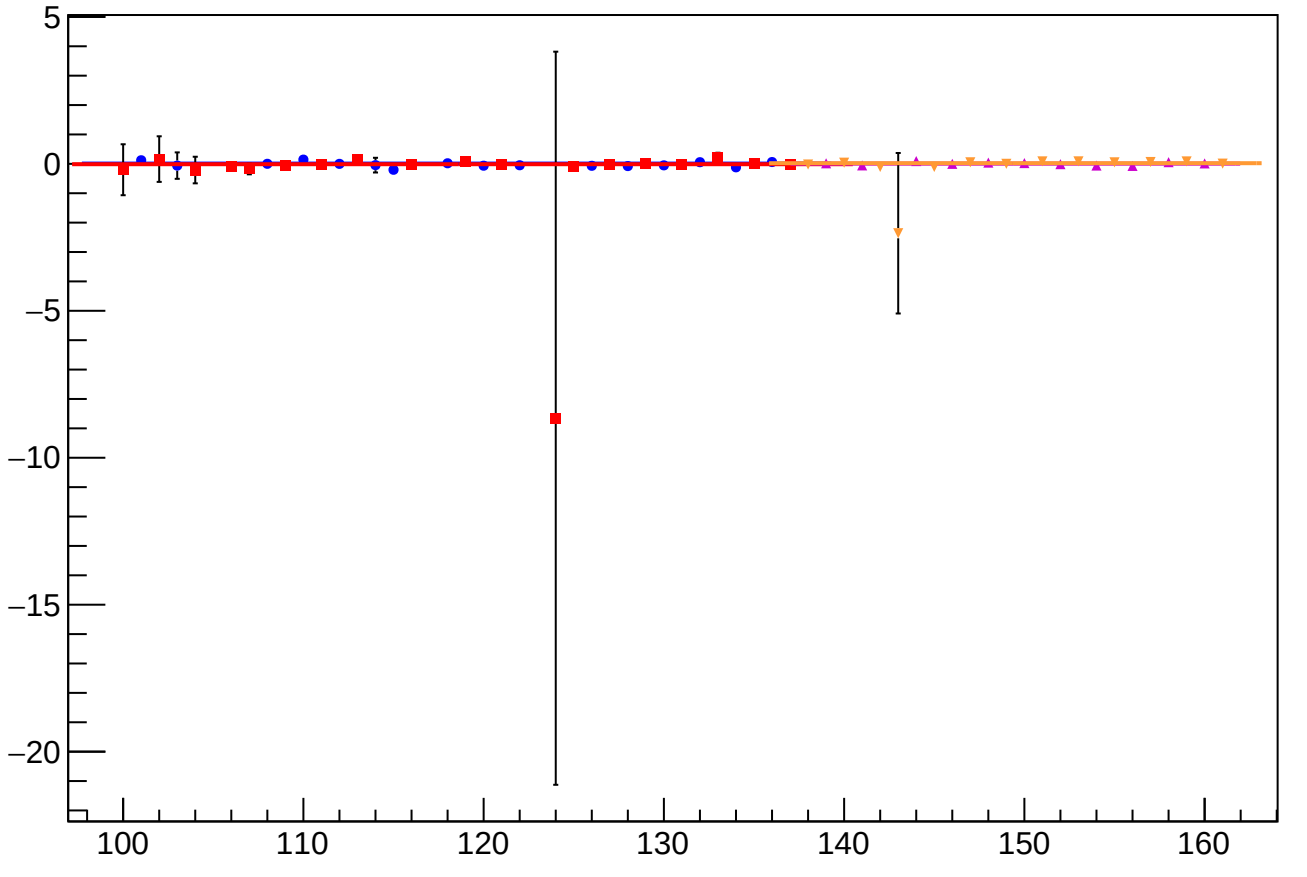
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.390+/-0.009 χ^2/NDF:1339766.7/10

+ sign 37.666+/-0.007 χ^2/NDF: 4894314.7/28

All: 37.099+/-0.005 χ^2/NDF: 9437278.1/58

- sign 36.534+/-0.007 χ^2/NDF: 4530811.0/29



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/12

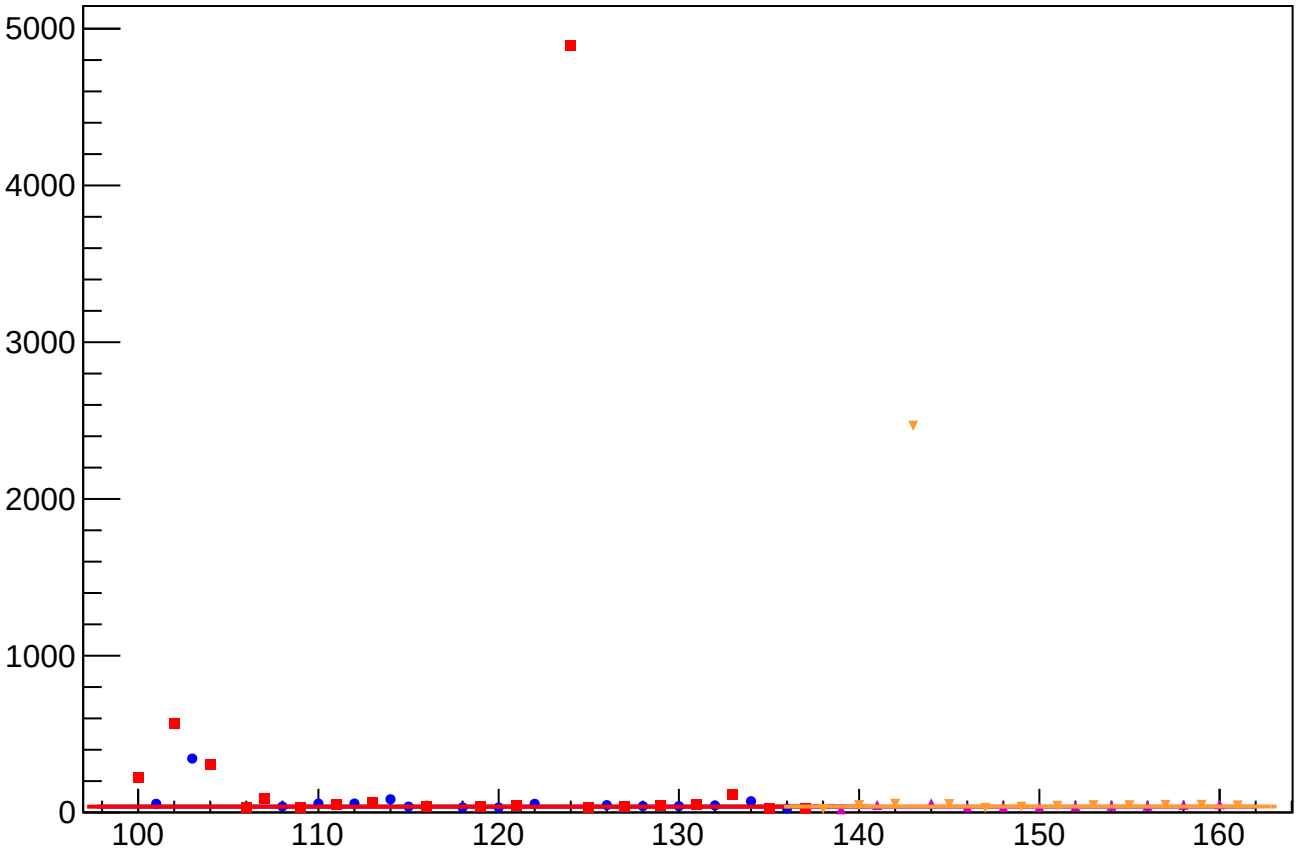
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.016+/-0.010 χ^2/NDF: 36.0/28

All: 0.008+/-0.007 χ^2/NDF: 60.4/58

- sign -0.001+/-0.010 χ^2/NDF: 23.0/29



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.784+/-0.009 χ^2/NDF:2910725.0/12

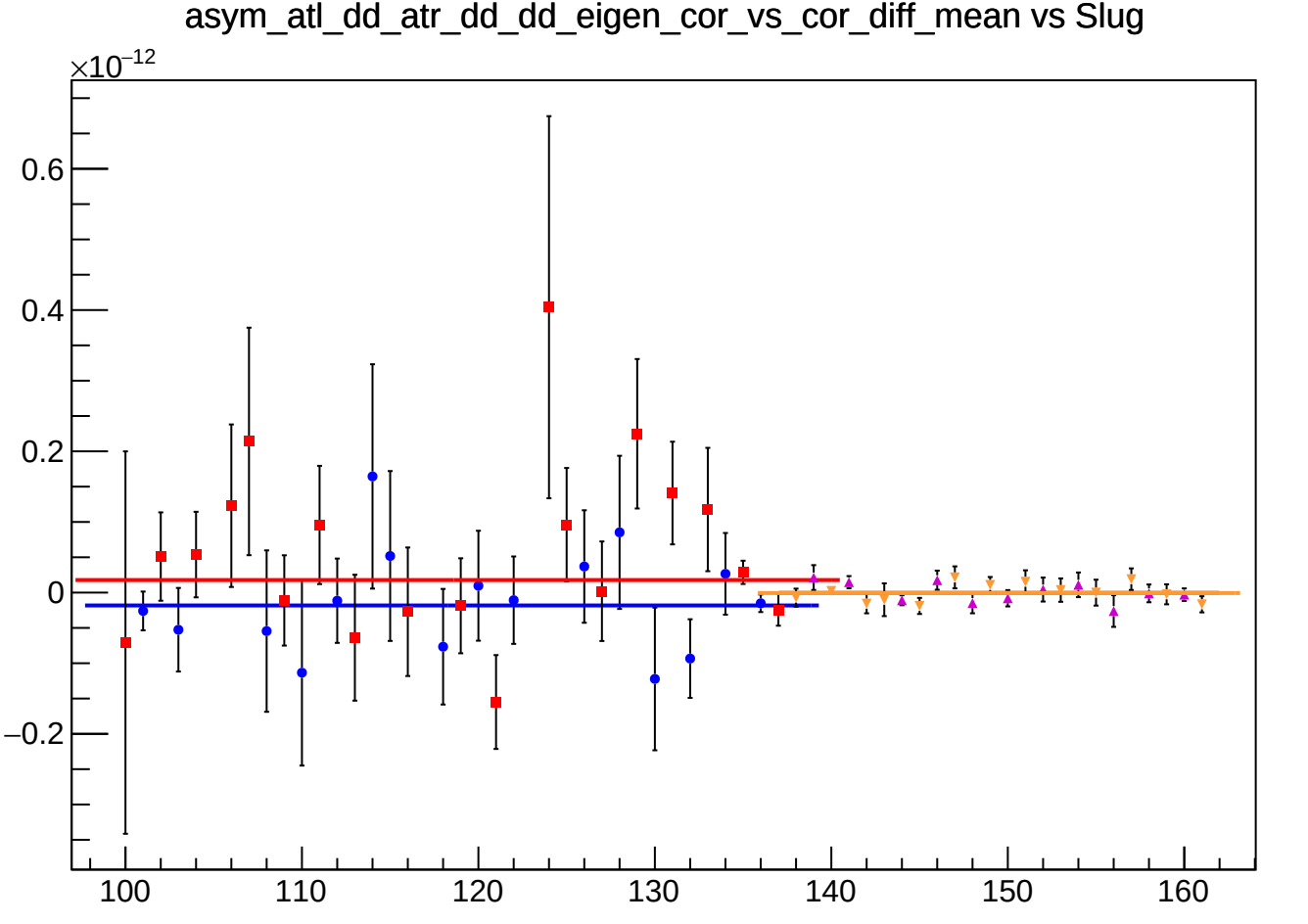
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.390+/-0.009 χ^2/NDF:1339766.7/10

+ sign 37.666+/-0.007 χ^2/NDF: 4894314.7/28

All: 37.099+/-0.005 χ^2/NDF: 9437278.1/58

- sign 36.534+/-0.007 χ^2/NDF: 4530811.0/29



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/12

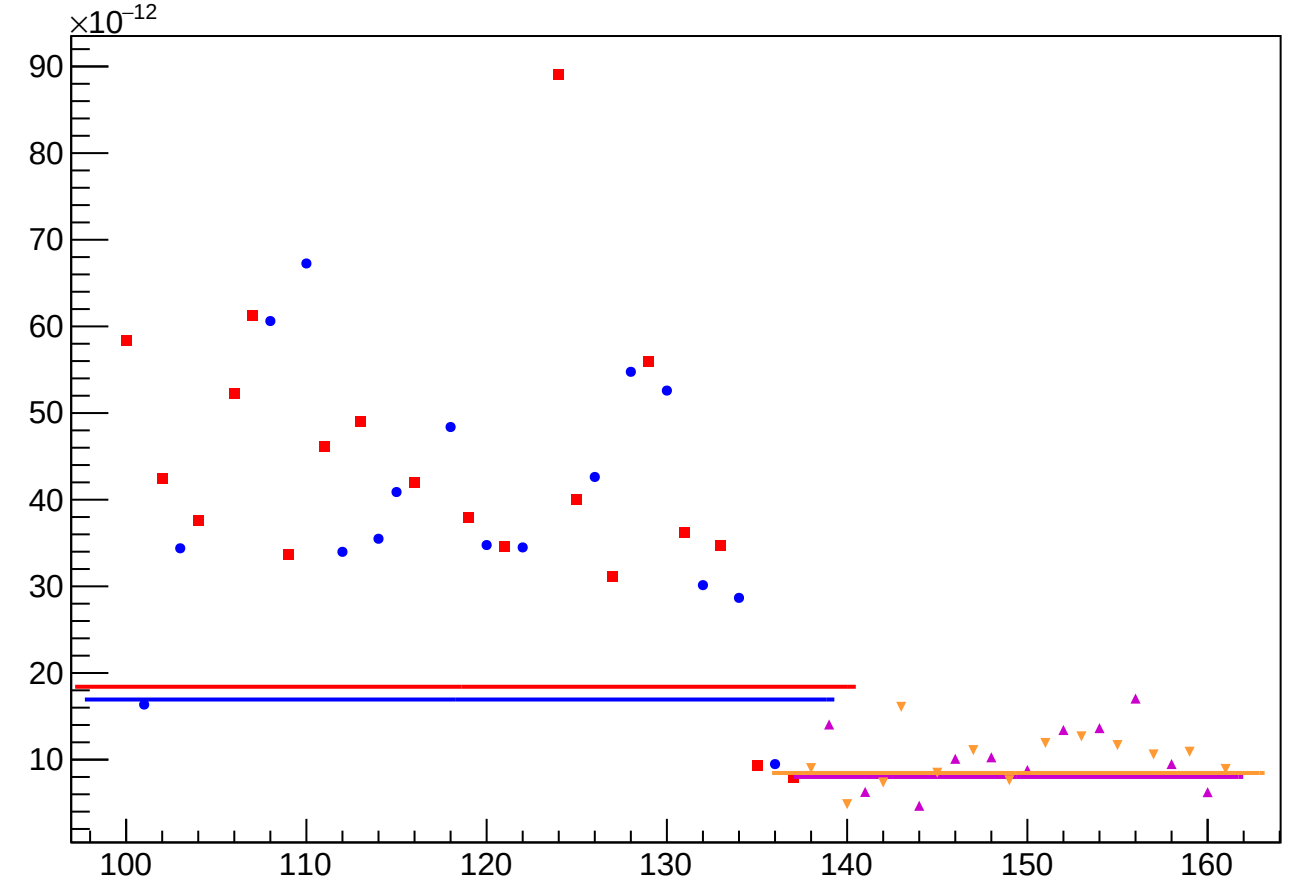
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 23.2/28

All: -0.000+/-0.000 χ^2/NDF: 65.5/58

- sign 0.000+/-0.000 χ^2/NDF: 41.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1255865.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

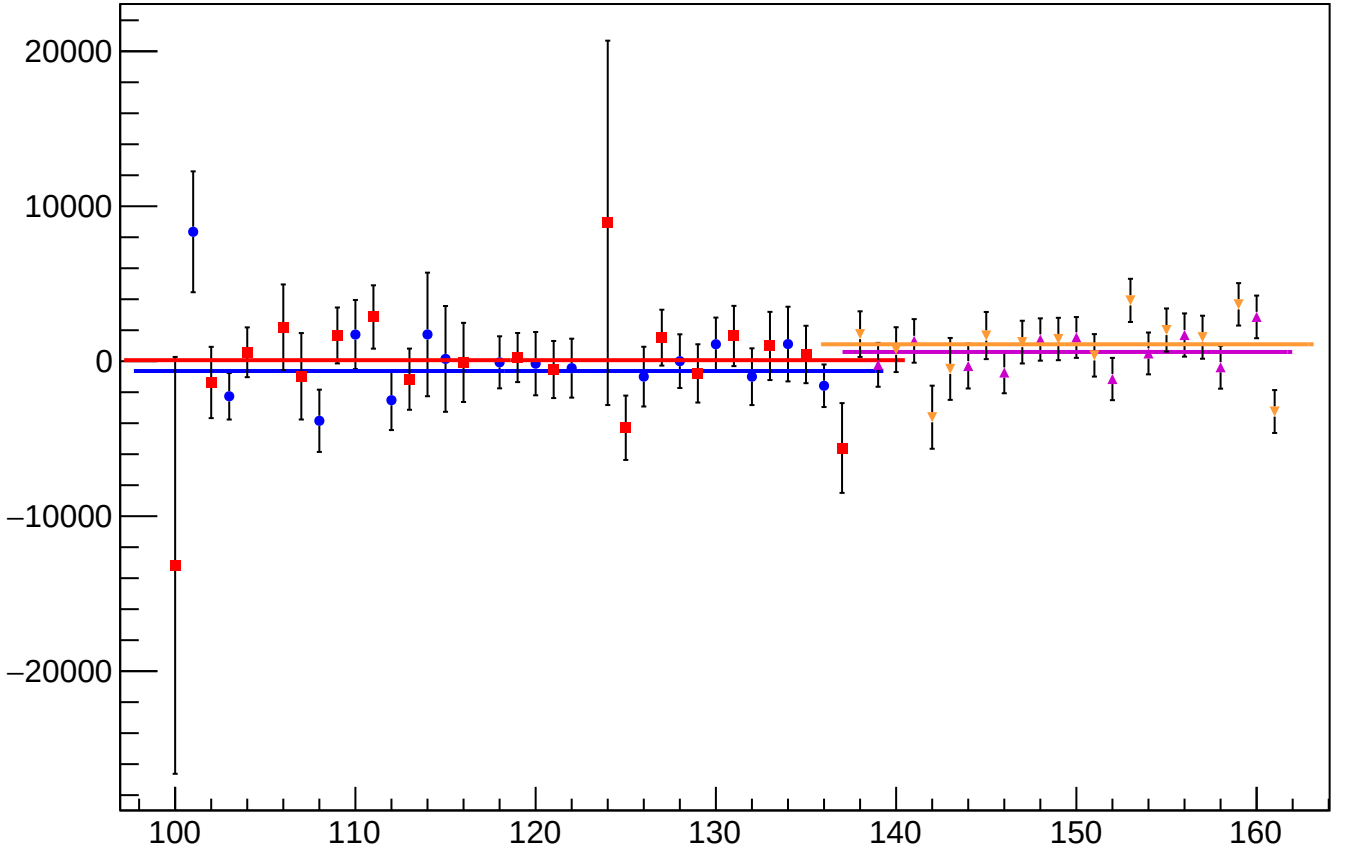
Left In: 0.000+/-0.000 χ^2/NDF:1716875.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 5764840.4/28

All: 0.000+/-0.000 χ^2/NDF: 12788715.5/58

- sign 0.000+/-0.000 χ^2/NDF: 7005228.5/29

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.716+/-406.127 χ^2/NDF:24.8/12

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

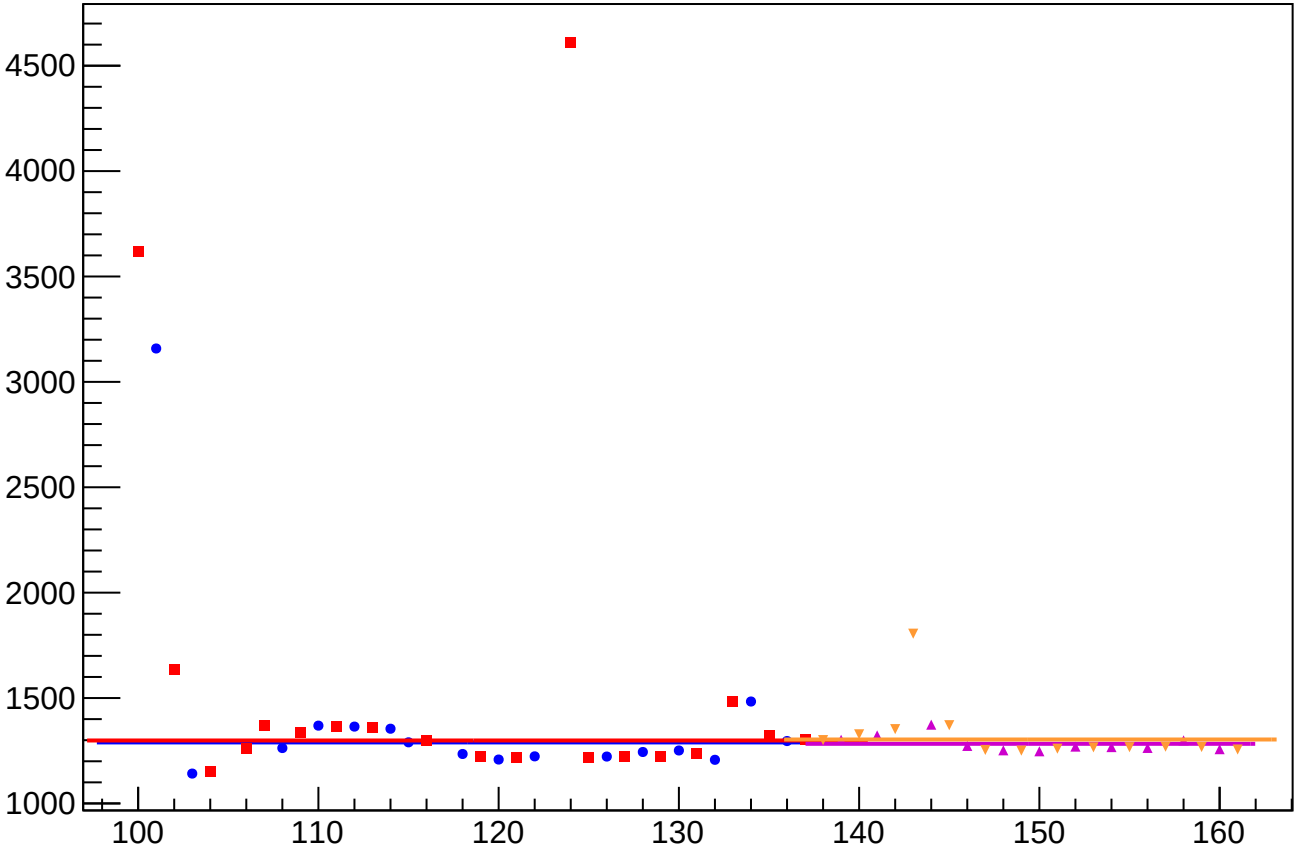
Left In: 597.367+/-415.077 χ^2/NDF:8.3/10

\+ sign 389.088+/-312.338 χ^2/NDF: 46.0/28

All: 382.067+/-222.178 χ^2/NDF: 70.9/58

\- sign 374.876+/-316.110 χ^2/NDF: 24.8/29

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

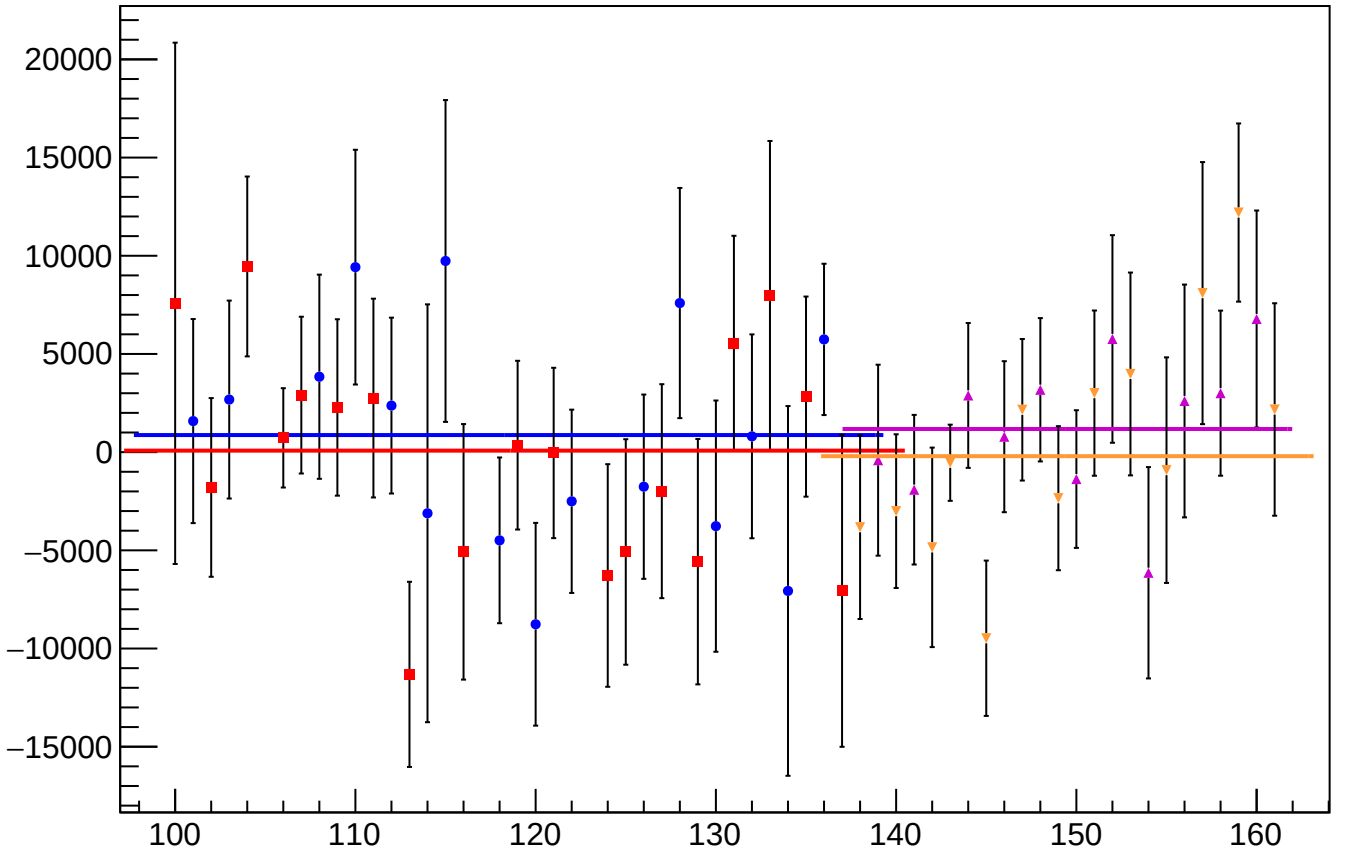
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1297.678+/-0.221 χ^2/NDF: 662874.2/28

All: 1293.643+/-0.157 χ^2/NDF: 998364.9/58

- sign 1289.520+/-0.223 χ^2/NDF: 334815.9/29



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -205.395+/-1078.069 χ^2/NDF:18.7/12

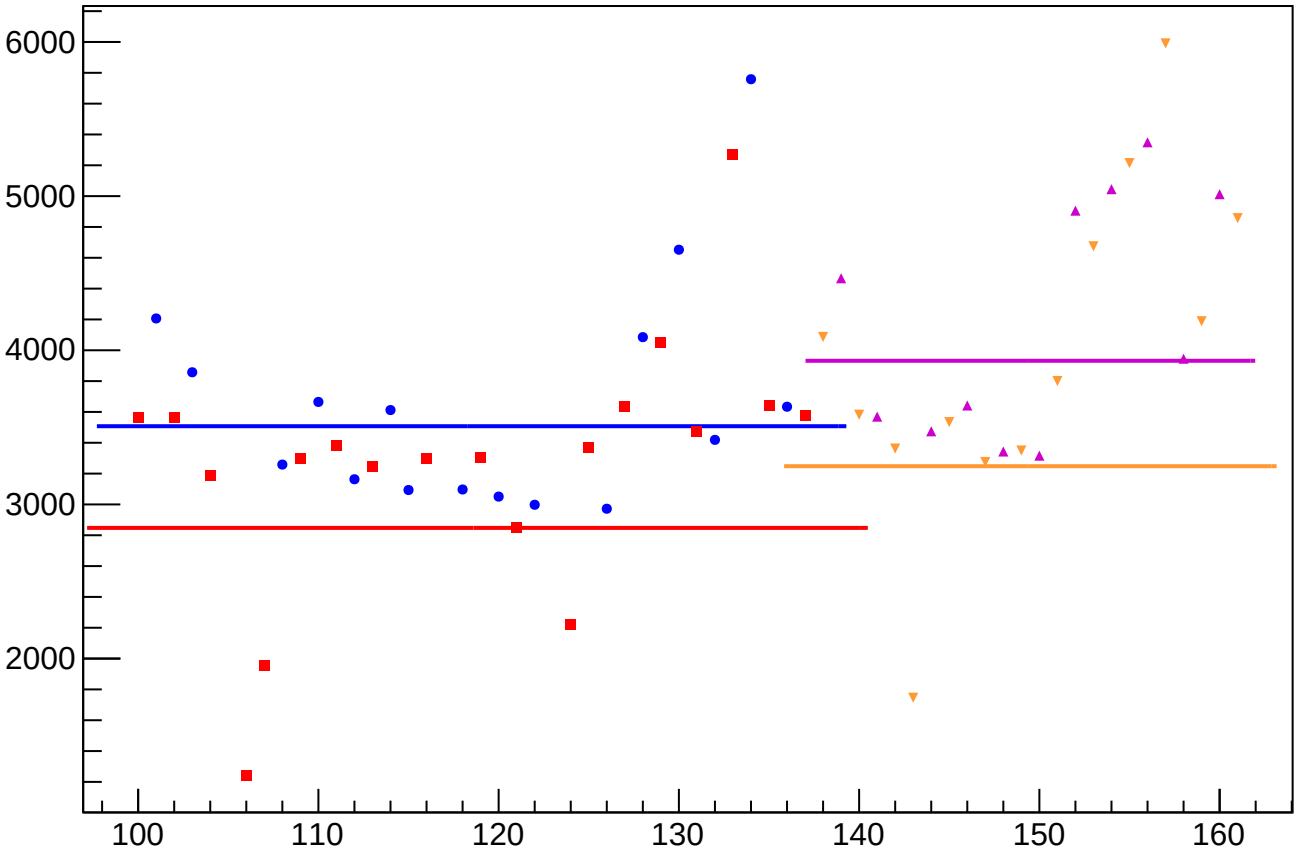
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1178.736+/-1294.234 χ^2/NDF:5.7/10

+ sign 222.963+/-836.309 χ^2/NDF: 33.1/28

All: 382.514+/-593.723 χ^2/NDF: 57.7/58

- sign 544.643+/-843.033 χ^2/NDF: 24.5/29



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3247.932+/-0.762 χ^2/NDF:2313741.7/12

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

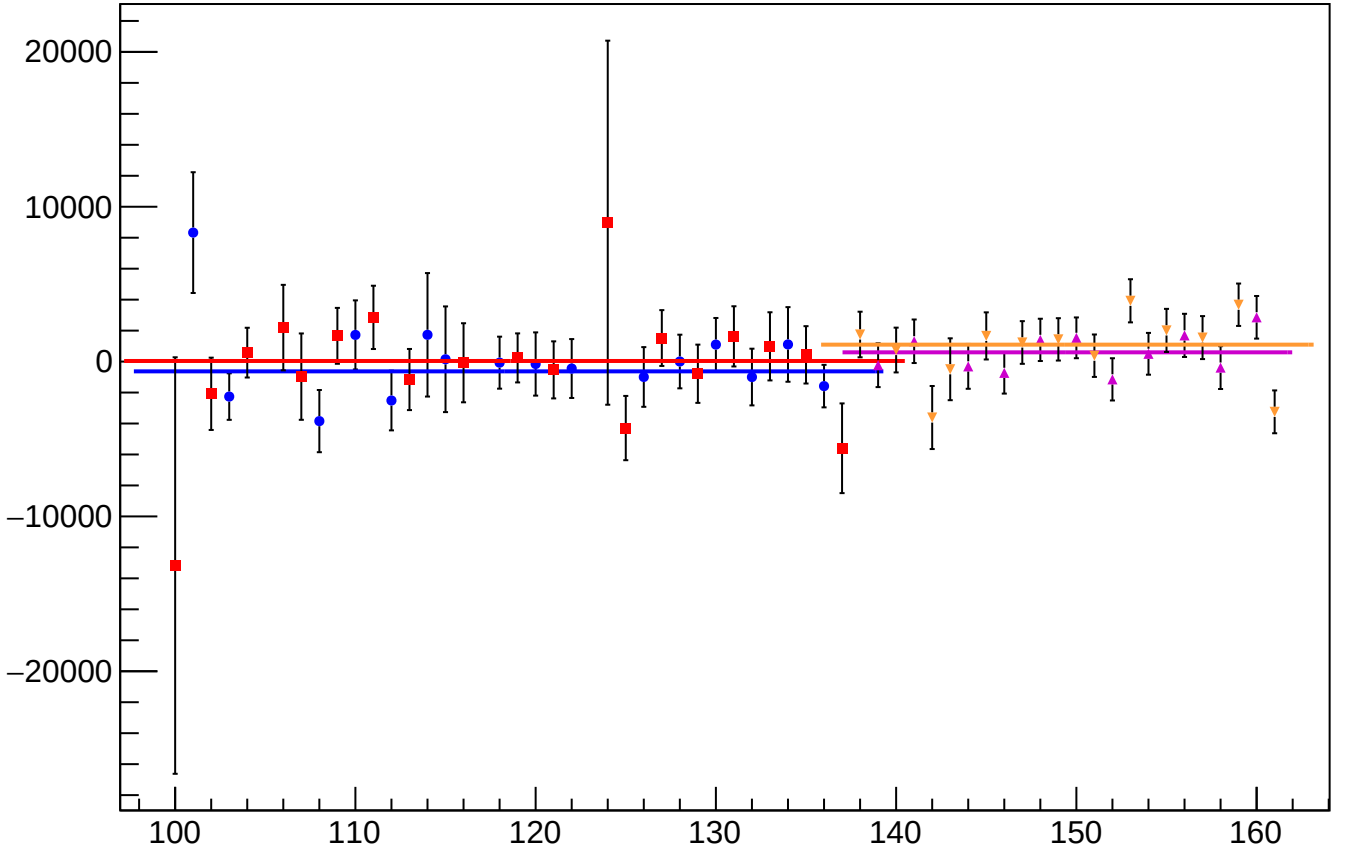
Left In: 3931.901+/-0.915 χ^2/NDF:542555.0/10

+ sign 3351.255+/-0.591 χ^2/NDF: 2713854.0/28

All: 3329.698+/-0.420 χ^2/NDF: 5566292.7/58

- sign 3307.793+/-0.596 χ^2/NDF: 2849759.4/29

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.736+/-406.127 χ^2/NDF:24.8/12

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

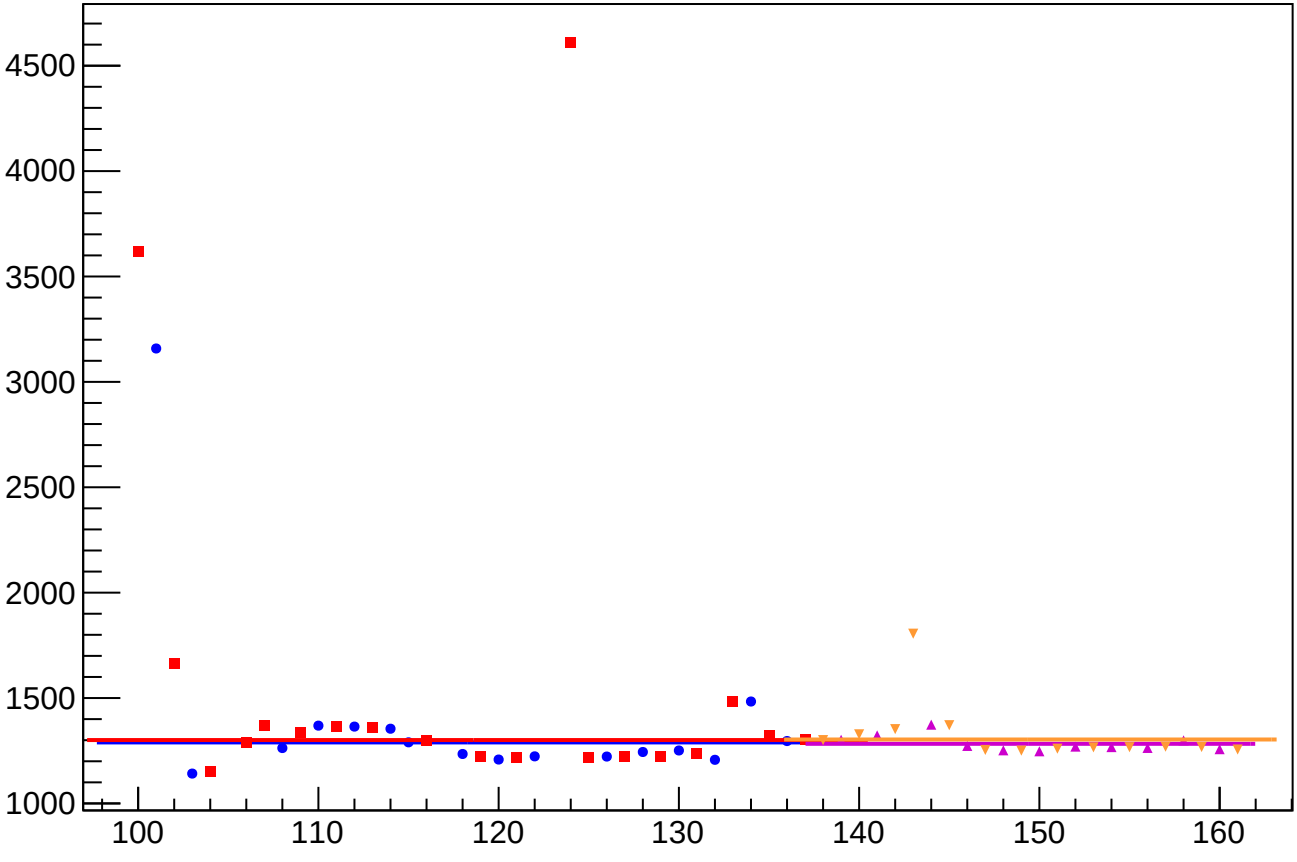
Left In: 597.365+/-415.077 χ^2/NDF:8.3/10

\+ sign 388.943+/-312.338 χ^2/NDF: 46.0/28

All: 376.065+/-222.209 χ^2/NDF: 71.4/58

\- sign 362.867+/-316.198 χ^2/NDF: 25.4/29

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

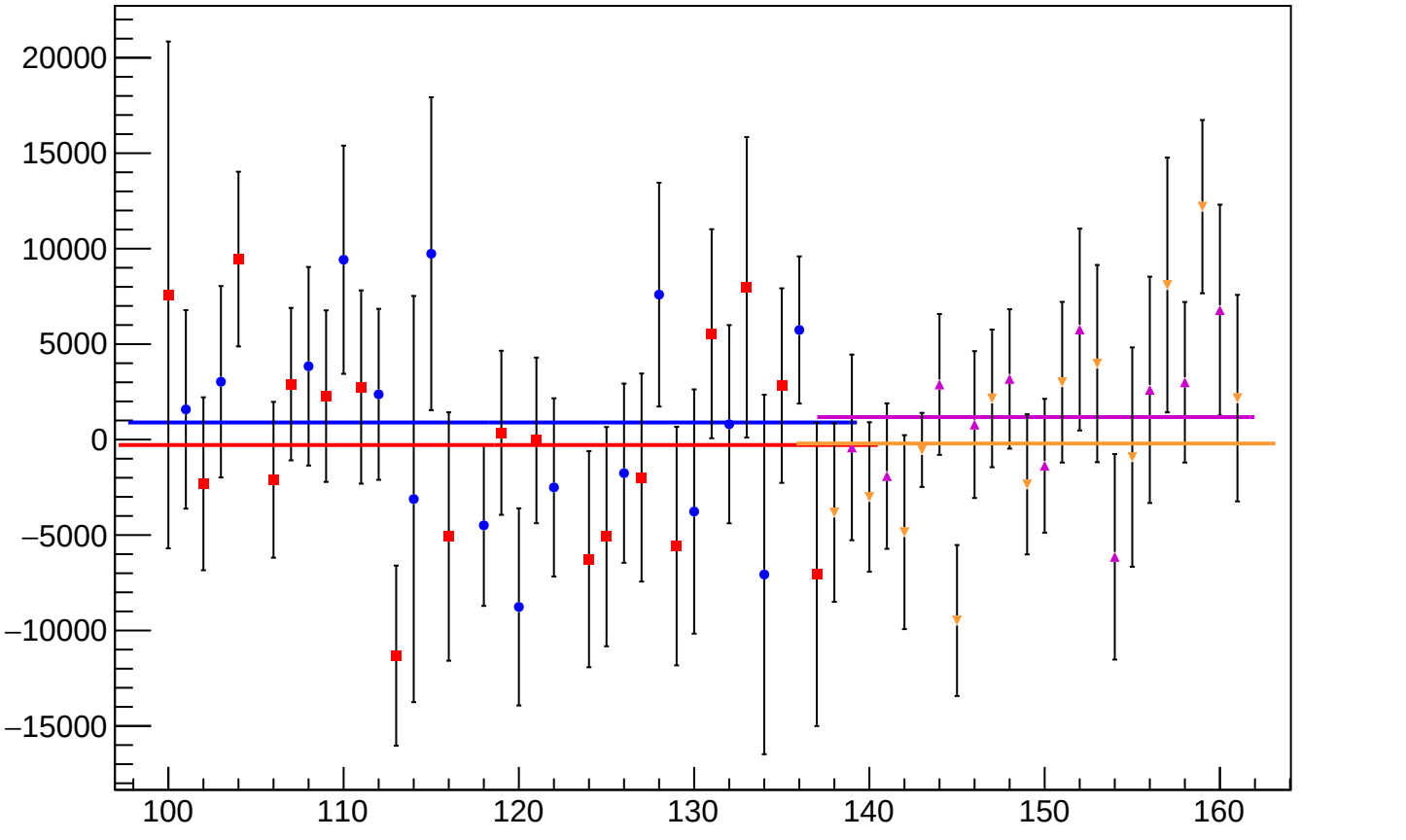
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1297.678+/-0.221 χ^2/NDF: 662875.7/28

All: 1294.062+/-0.157 χ^2/NDF: 1005097.5/58

- sign 1290.362+/-0.223 χ^2/NDF: 341679.5/29



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -205.293+/-1078.066 χ^2/NDF:18.7/12

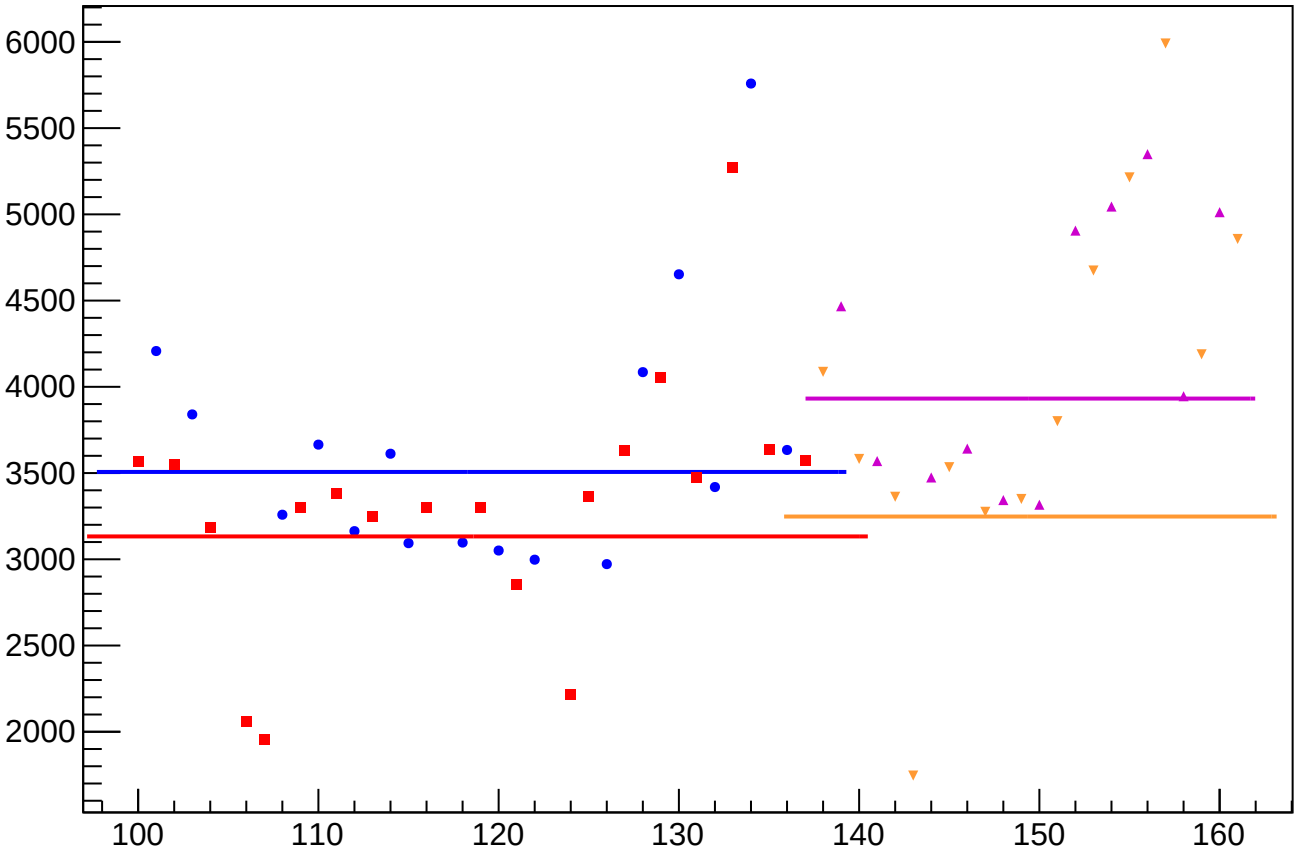
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1178.797+/-1294.233 χ^2/NDF:5.7/10

+ sign 233.446+/-836.193 χ^2/NDF: 33.2/28

All: 304.491+/-603.956 χ^2/NDF: 58.2/58

- sign 381.974+/-873.257 χ^2/NDF: 25.0/29



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3247.922+/-0.762 χ^2/NDF:2313764.6/12

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

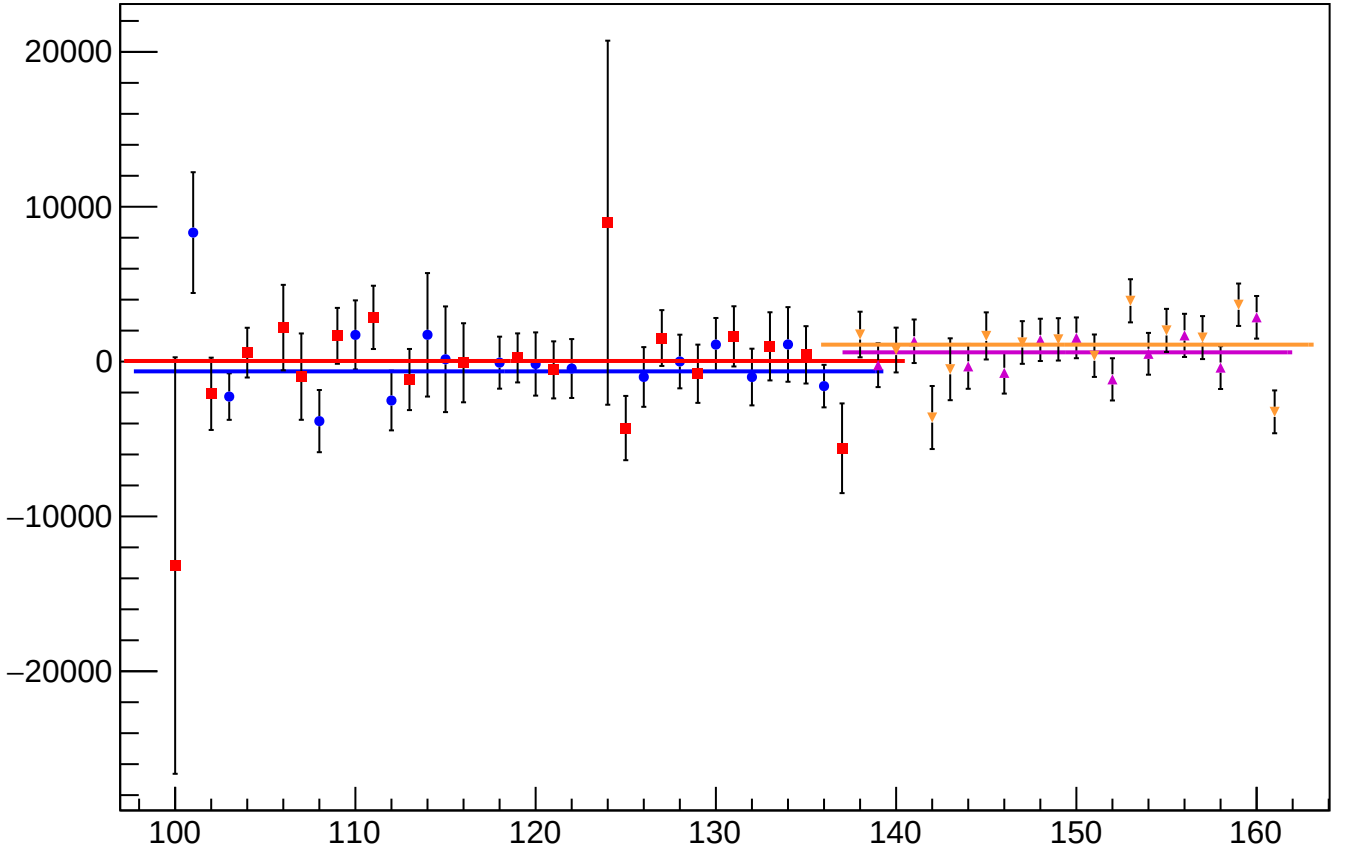
Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

\+ sign 3350.928+/-0.591 χ^2/NDF: 2712834.1/28

All: 3420.550+/-0.427 χ^2/NDF: 4349538.0/58

\- sign 3496.481+/-0.617 χ^2/NDF: 1607718.3/29

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.736+/-406.127 χ^2/NDF:24.8/12

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

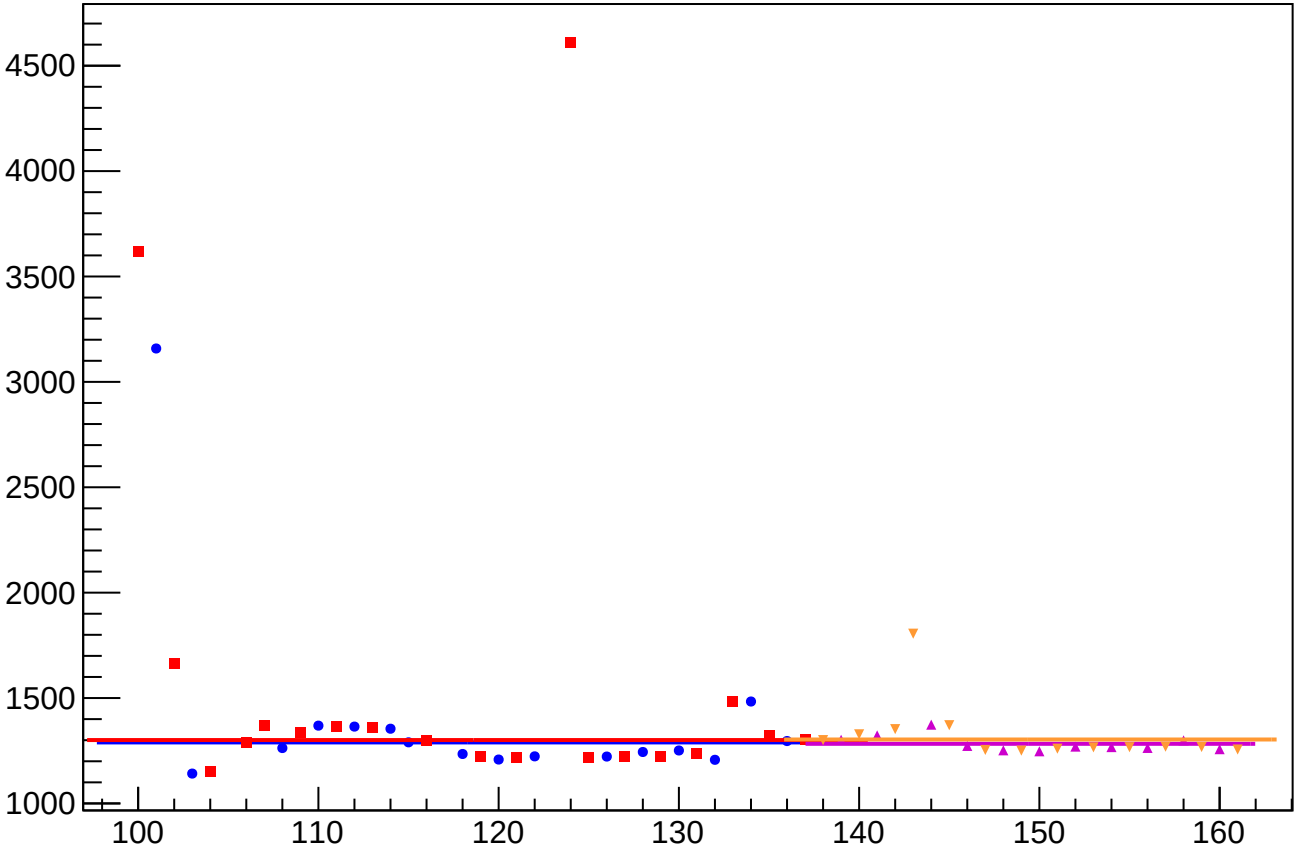
Left In: 597.365+/-415.077 χ^2/NDF:8.3/10

\+ sign 388.943+/-312.338 χ^2/NDF: 46.0/28

All: 376.065+/-222.209 χ^2/NDF: 71.4/58

\- sign 362.867+/-316.198 χ^2/NDF: 25.4/29

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: 1303.350+/-0.287 χ^2/NDF:147244.2/12

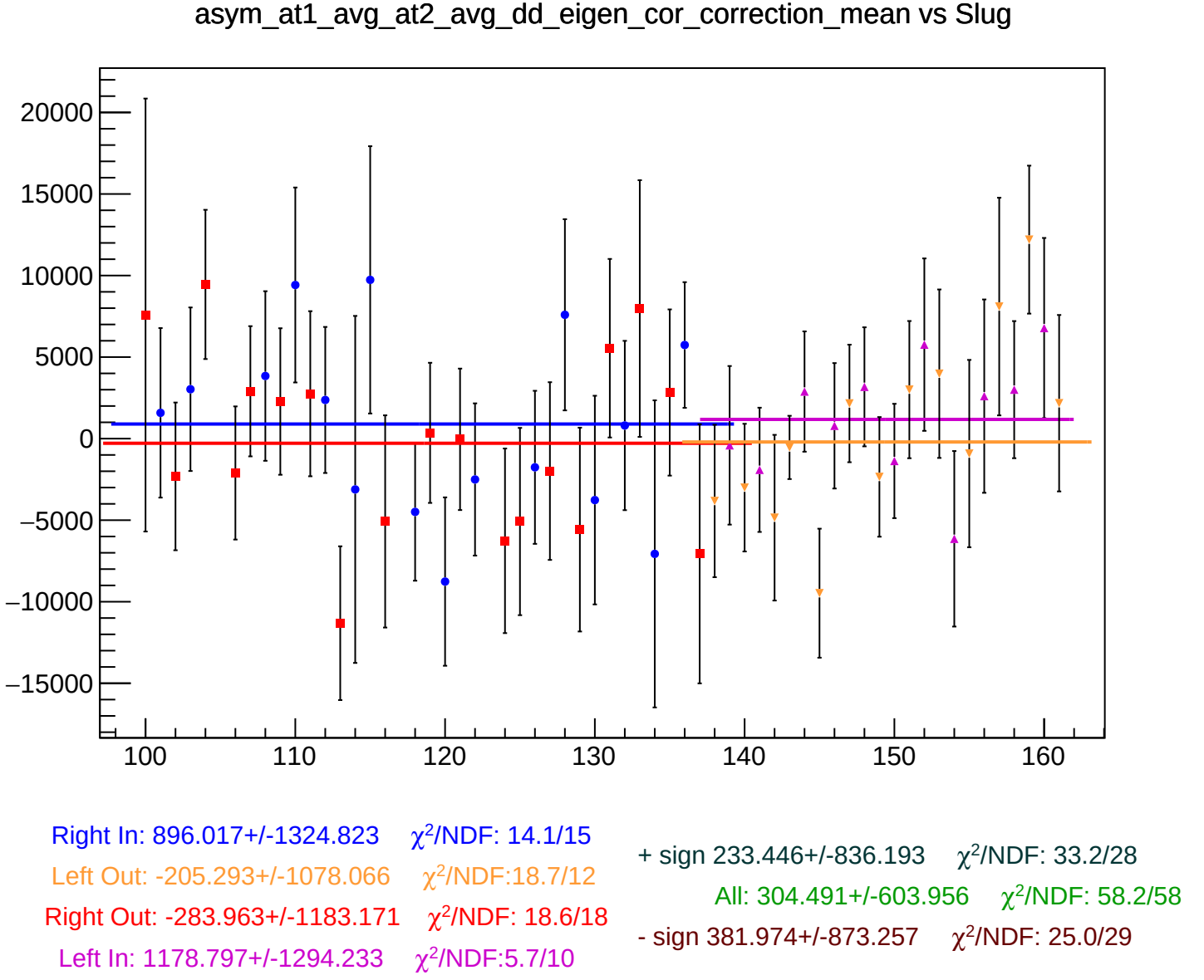
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

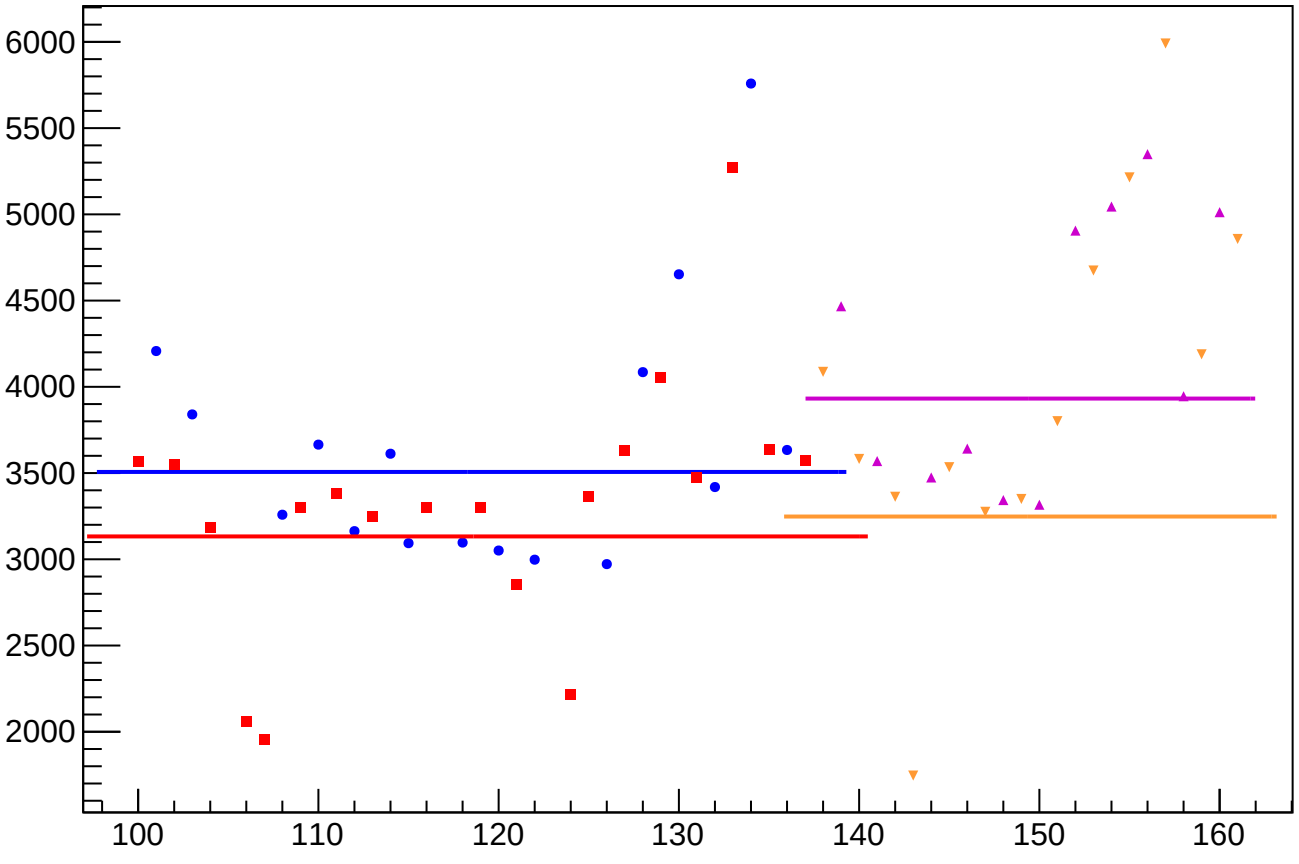
Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1297.678+/-0.221 χ^2/NDF: 662875.7/28

All: 1294.062+/-0.157 χ^2/NDF: 1005097.5/58

- sign 1290.362+/-0.223 χ^2/NDF: 341679.5/29


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -205.293+/-1078.066 χ²/NDF:18.7/12
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1178.797+/-1294.233 χ²/NDF:5.7/10
+ sign 233.446+/-836.193 χ²/NDF: 33.2/28
All: 304.491+/-603.956 χ²/NDF: 58.2/58
- sign 381.974+/-873.257 χ²/NDF: 25.0/29



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3247.922+/-0.762 χ^2/NDF:2313764.6/12

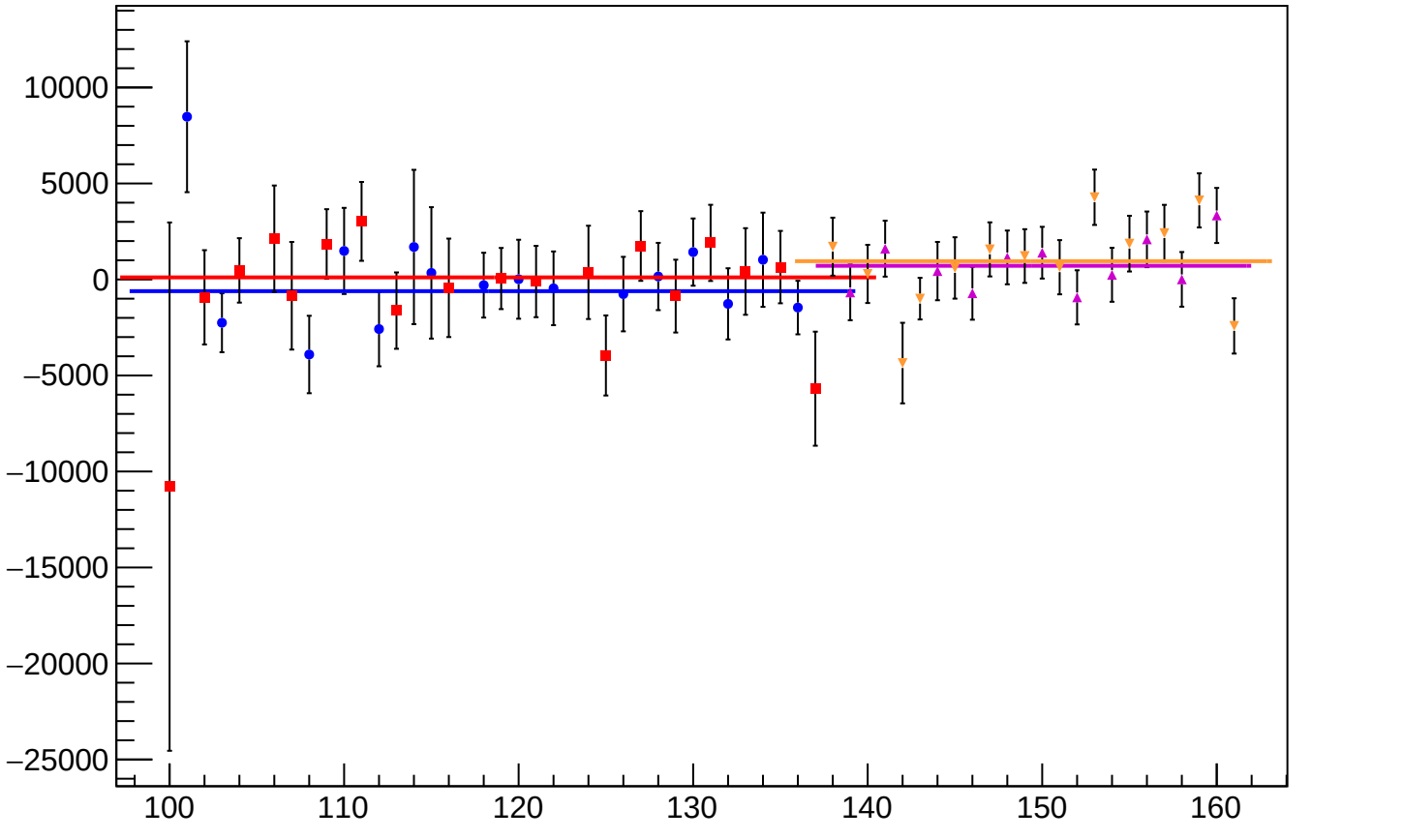
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

\+ sign 3350.928+/-0.591 χ^2/NDF: 2712834.1/28

All: 3420.550+/-0.427 χ^2/NDF: 4349538.0/58

\- sign 3496.481+/-0.617 χ^2/NDF: 1607718.3/29



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 953.074+/-399.584 χ^2/NDF:27.6/12

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

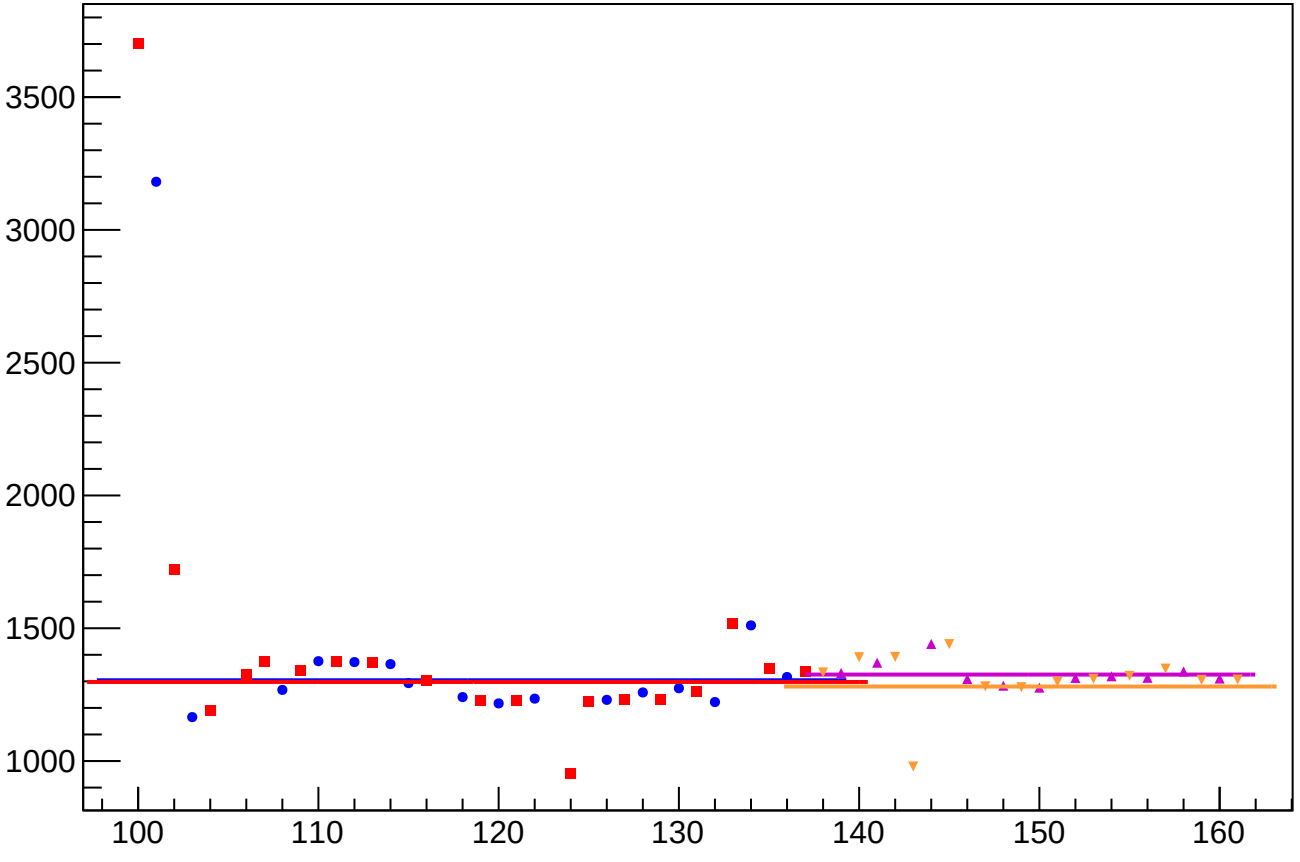
Left In: 712.705+/-428.982 χ^2/NDF:8.7/10

\+ sign 336.001+/-310.718 χ^2/NDF: 47.8/28

All: 390.038+/-223.420 χ^2/NDF: 72.3/58

\- sign 447.885+/-321.485 χ^2/NDF: 24.5/29

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.498+/-0.283 χ^2/NDF:201311.2/12

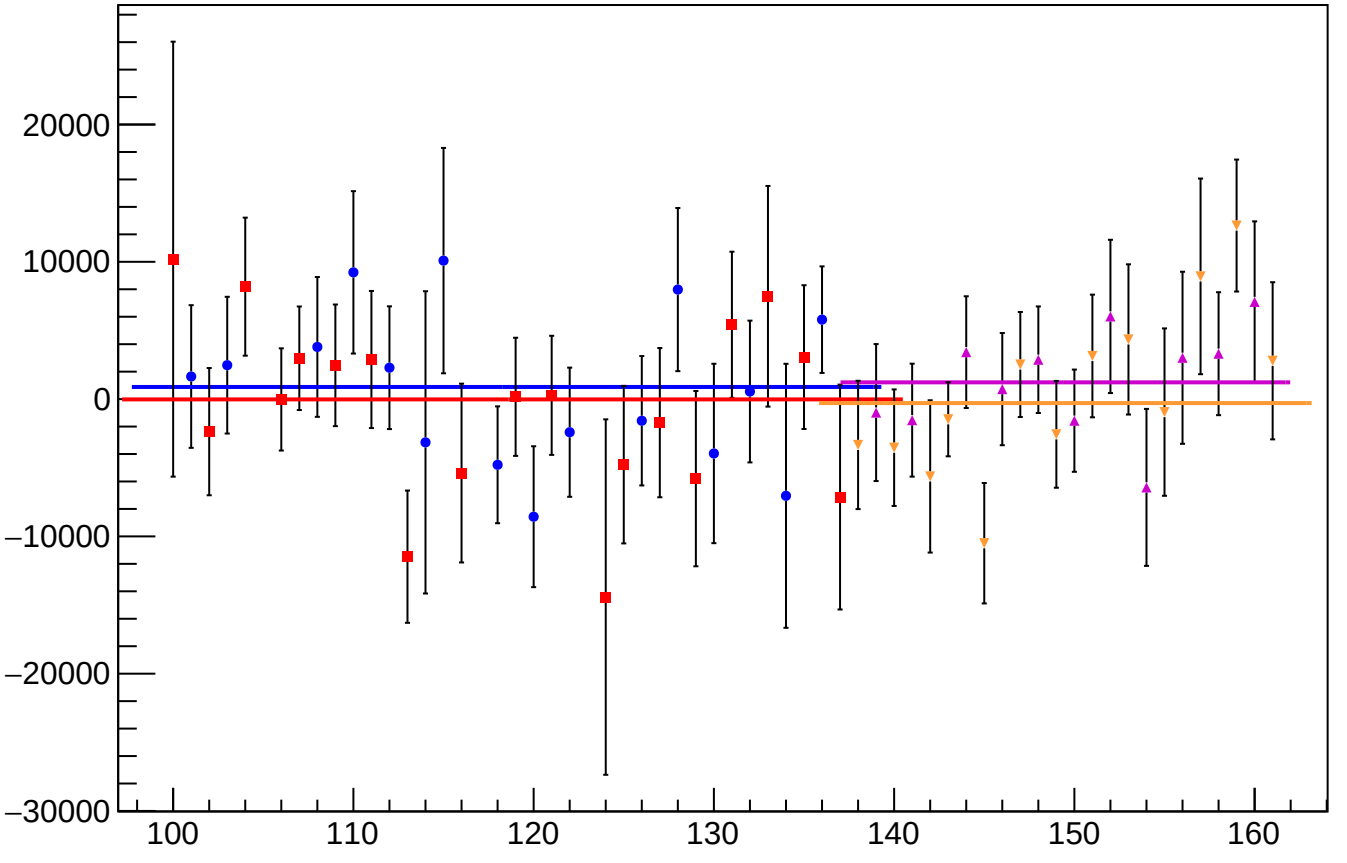
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.597+/-0.303 χ^2/NDF:18904.0/10

+ sign 1289.829+/-0.220 χ^2/NDF: 714659.7/28

All: 1301.217+/-0.158 χ^2/NDF: 955906.4/58

- sign 1313.400+/-0.227 χ^2/NDF: 235686.4/29



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -289.939+/-1229.495 χ^2/NDF:19.0/12

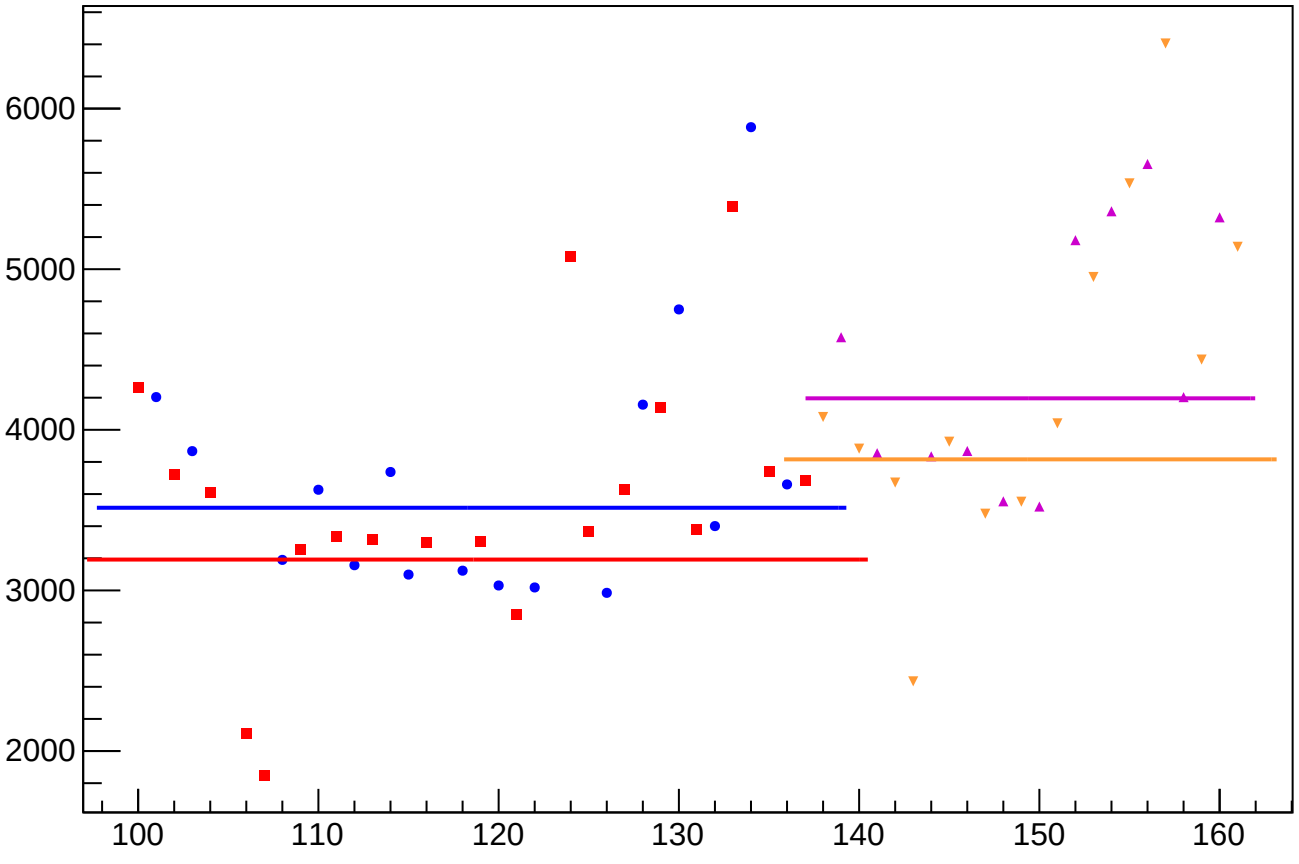
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1220.374+/-1379.867 χ^2/NDF:5.5/10

\+ sign 252.173+/-902.012 χ^2/NDF: 33.5/28

All: 382.456+/-639.047 χ^2/NDF: 56.3/58

\- sign 513.747+/-905.495 χ^2/NDF: 22.8/29



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3816.062+/-0.869 χ^2/NDF:1213868.5/12

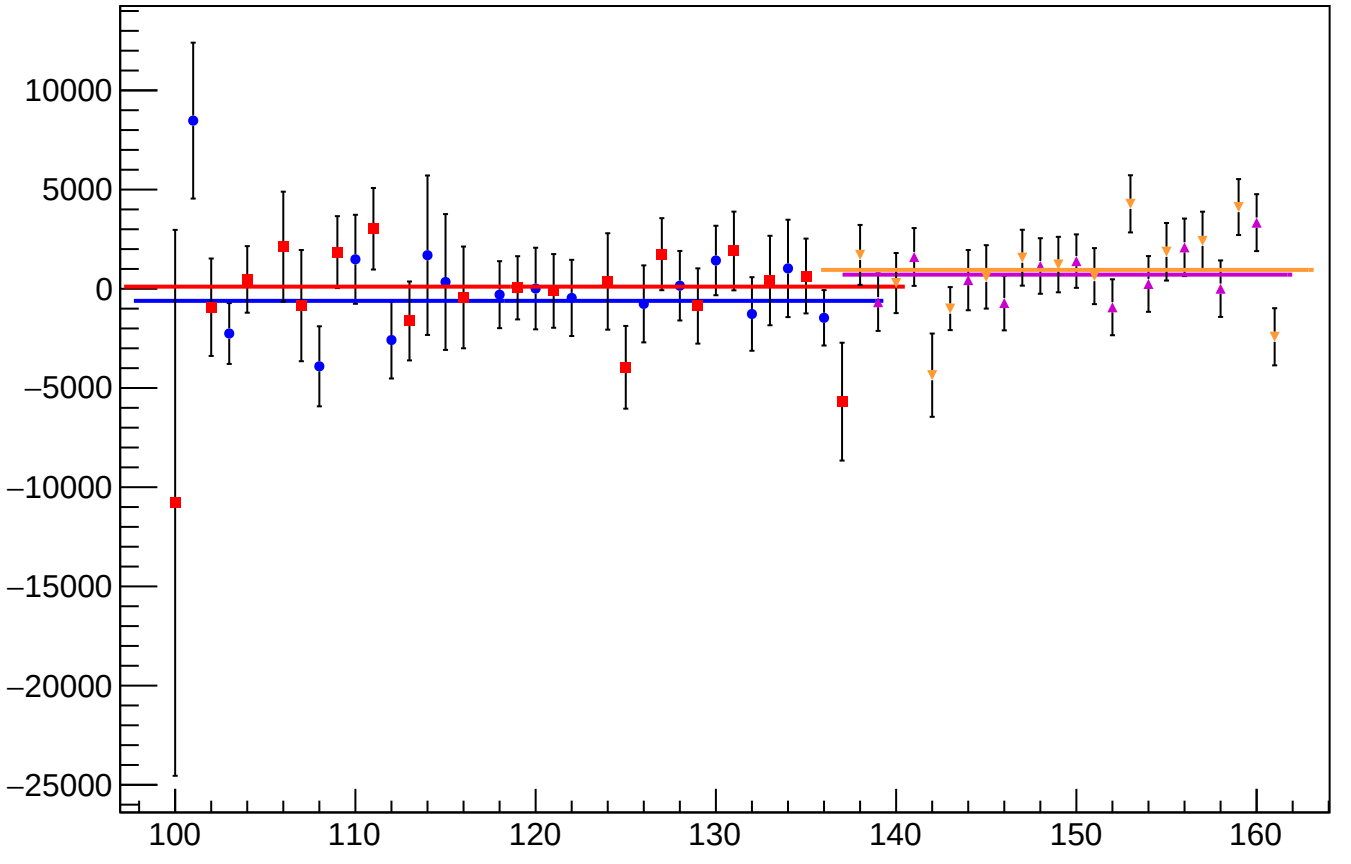
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4196.018+/-0.976 χ^2/NDF:501534.5/10

+ sign 3676.924+/-0.638 χ^2/NDF: 1644415.2/28

All: 3650.798+/-0.452 χ^2/NDF: 3524459.9/58

- sign 3624.470+/-0.640 χ^2/NDF: 1876676.0/29



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 953.079+/-399.584 χ^2/NDF:27.6/12

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

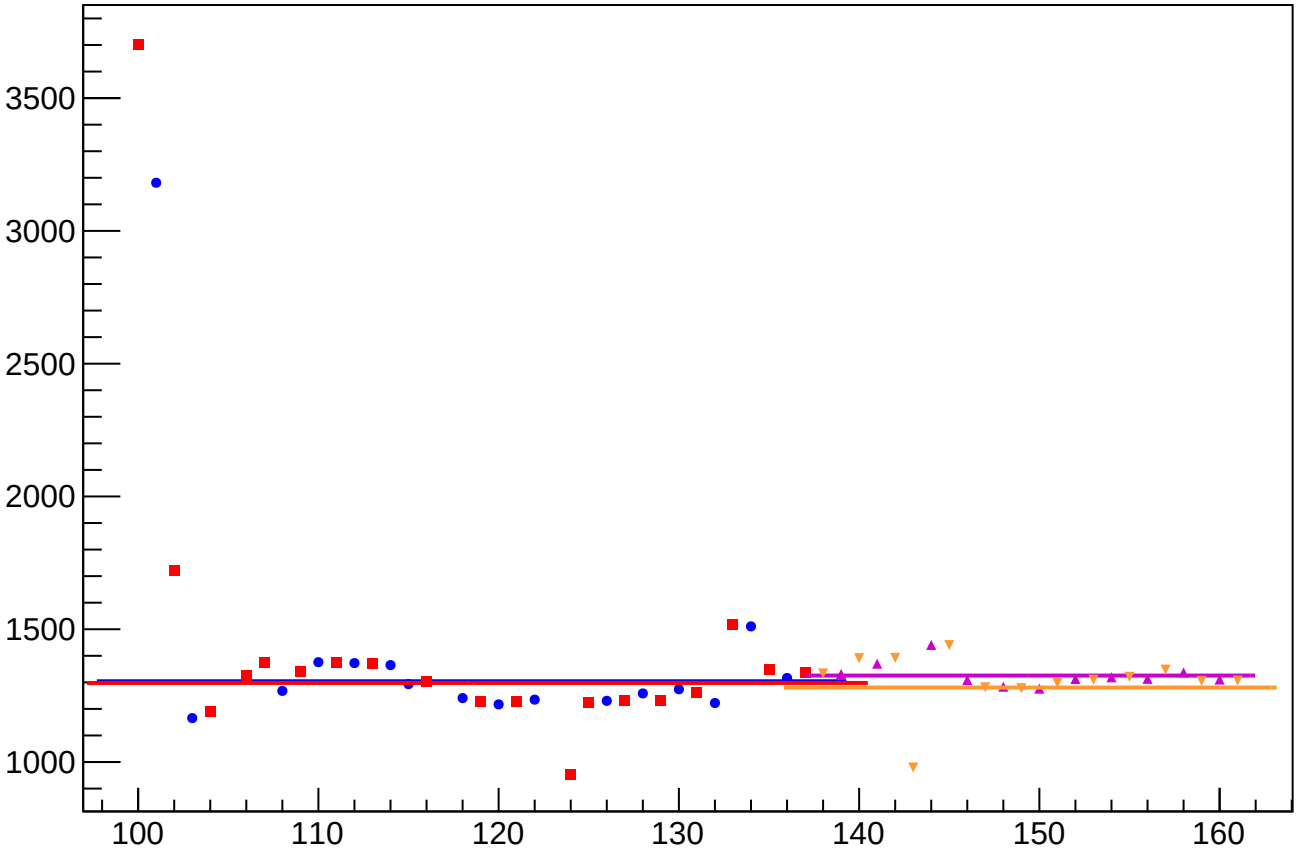
Left In: 712.706+/-428.982 χ^2/NDF:8.7/10

+ sign 336.002+/-310.718 χ^2/NDF: 47.8/28

All: 390.040+/-223.421 χ^2/NDF: 72.3/58

- sign 447.887+/-321.485 χ^2/NDF: 24.5/29

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: 1280.499+/-0.283 χ^2/NDF:201311.8/12

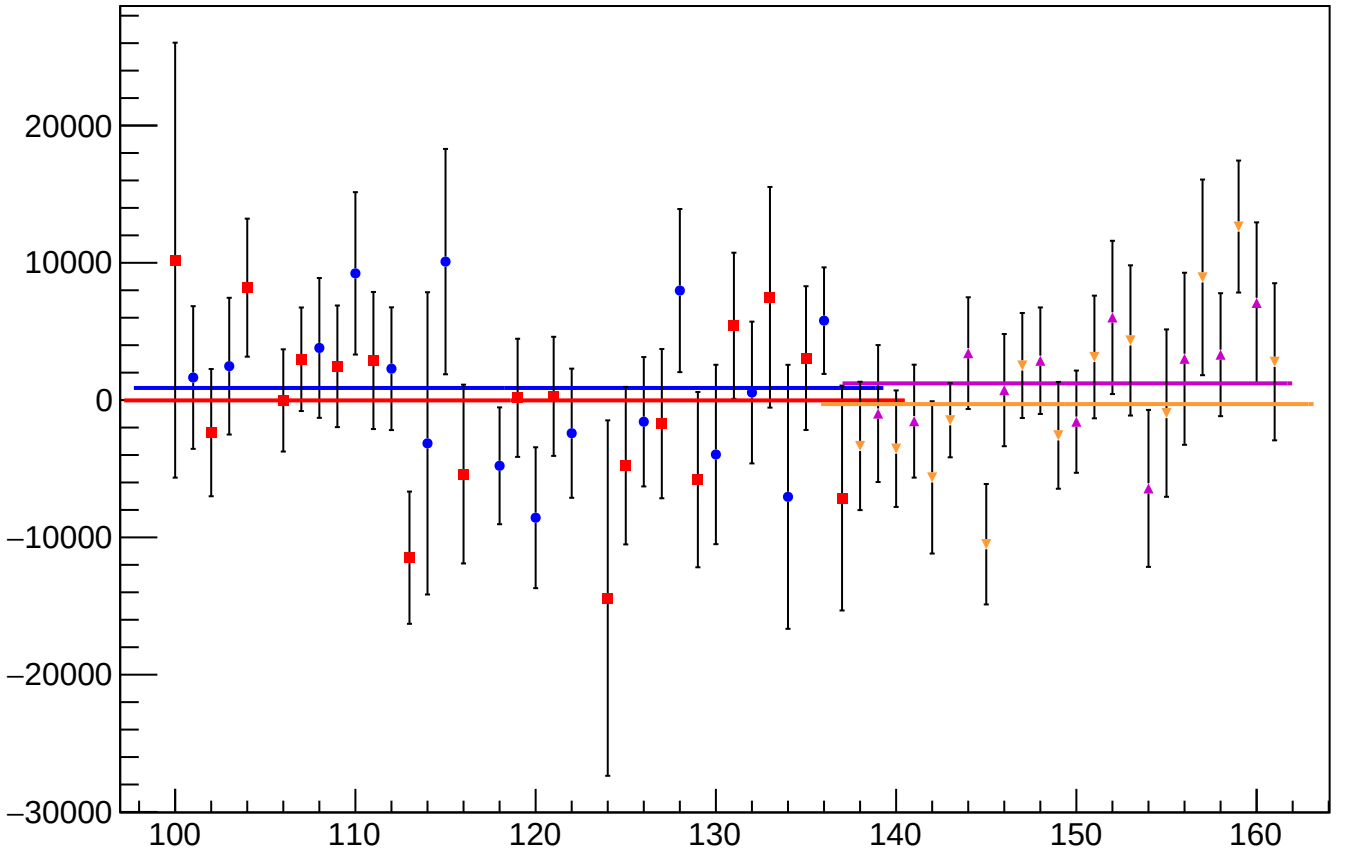
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.598+/-0.303 χ^2/NDF:18904.1/10

+ sign 1289.830+/-0.220 χ^2/NDF: 714660.1/28

All: 1301.218+/-0.158 χ^2/NDF: 955907.2/58

- sign 1313.400+/-0.227 χ^2/NDF: 235686.9/29



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -289.936+/-1229.497 χ^2/NDF:19.0/12

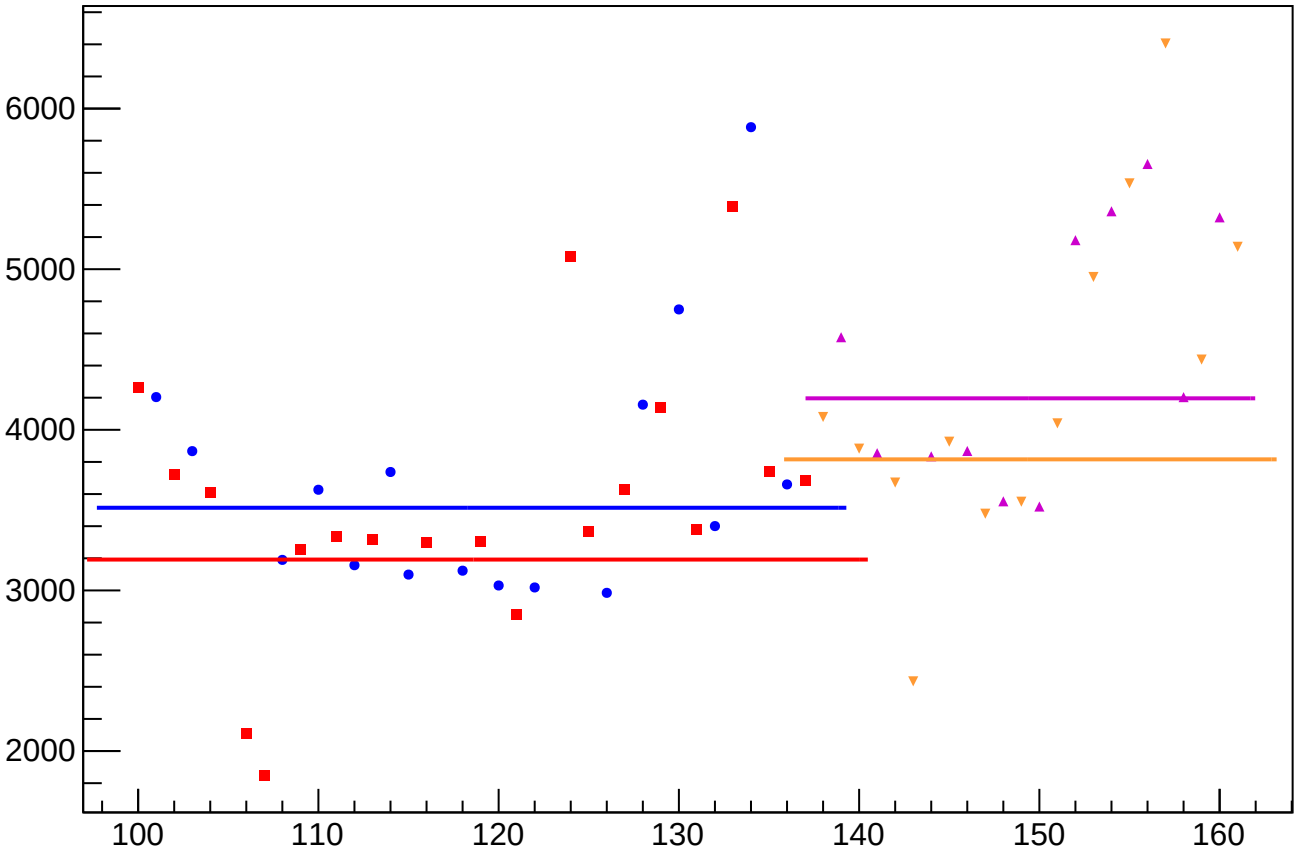
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1220.374+/-1379.869 χ^2/NDF:5.5/10

\+ sign 252.172+/-902.012 χ^2/NDF: 33.5/28

All: 382.455+/-639.046 χ^2/NDF: 56.3/58

\- sign 513.747+/-905.495 χ^2/NDF: 22.8/29



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3816.067+/-0.869 χ^2/NDF:1213868.3/12

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

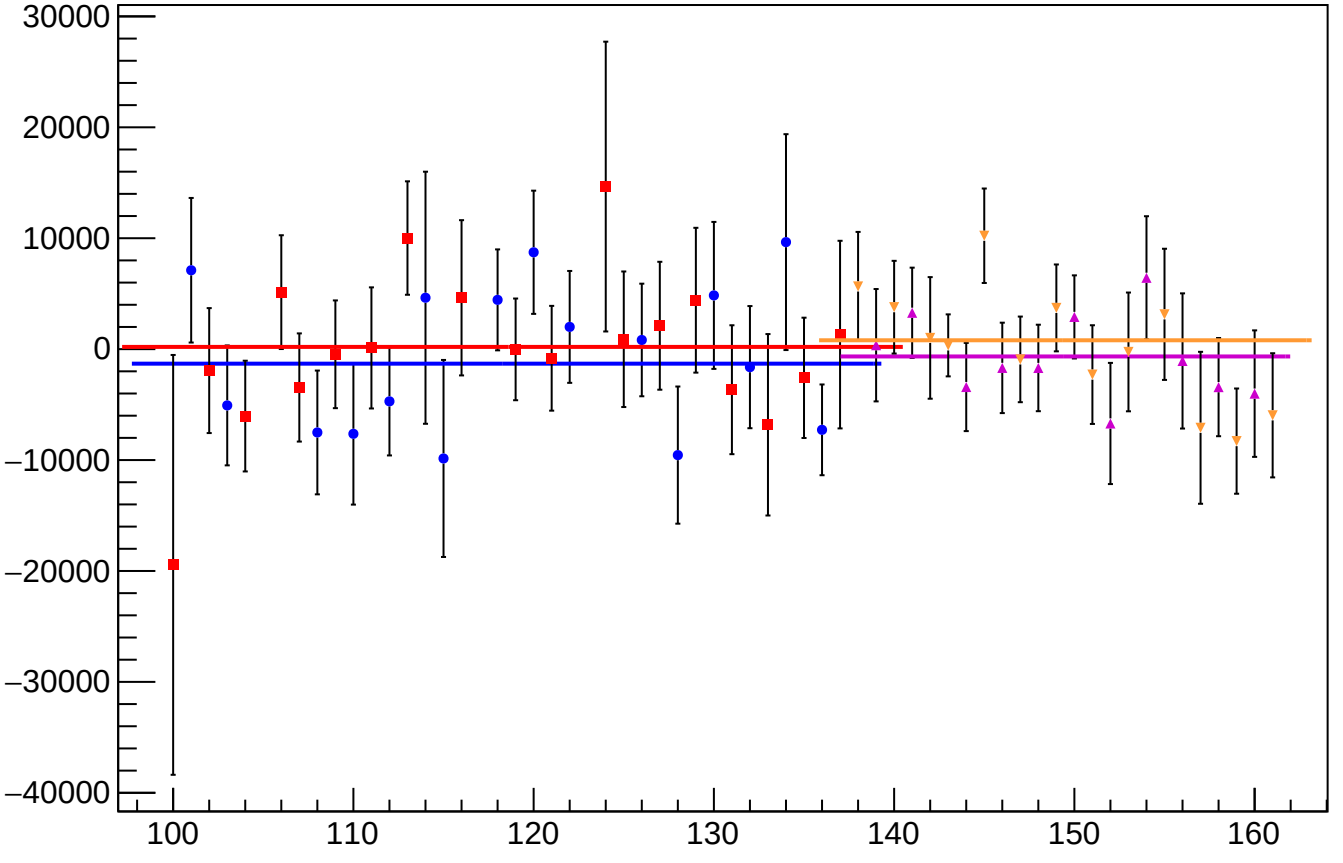
Left In: 4196.024+/-0.976 χ^2/NDF:501534.8/10

+ sign 3676.922+/-0.638 χ^2/NDF: 1644424.6/28

All: 3650.795+/-0.452 χ^2/NDF: 3524488.4/58

- sign 3624.466+/-0.640 χ^2/NDF: 1876694.8/29

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 799.201+/-1231.815 χ^2/NDF:14.3/12

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

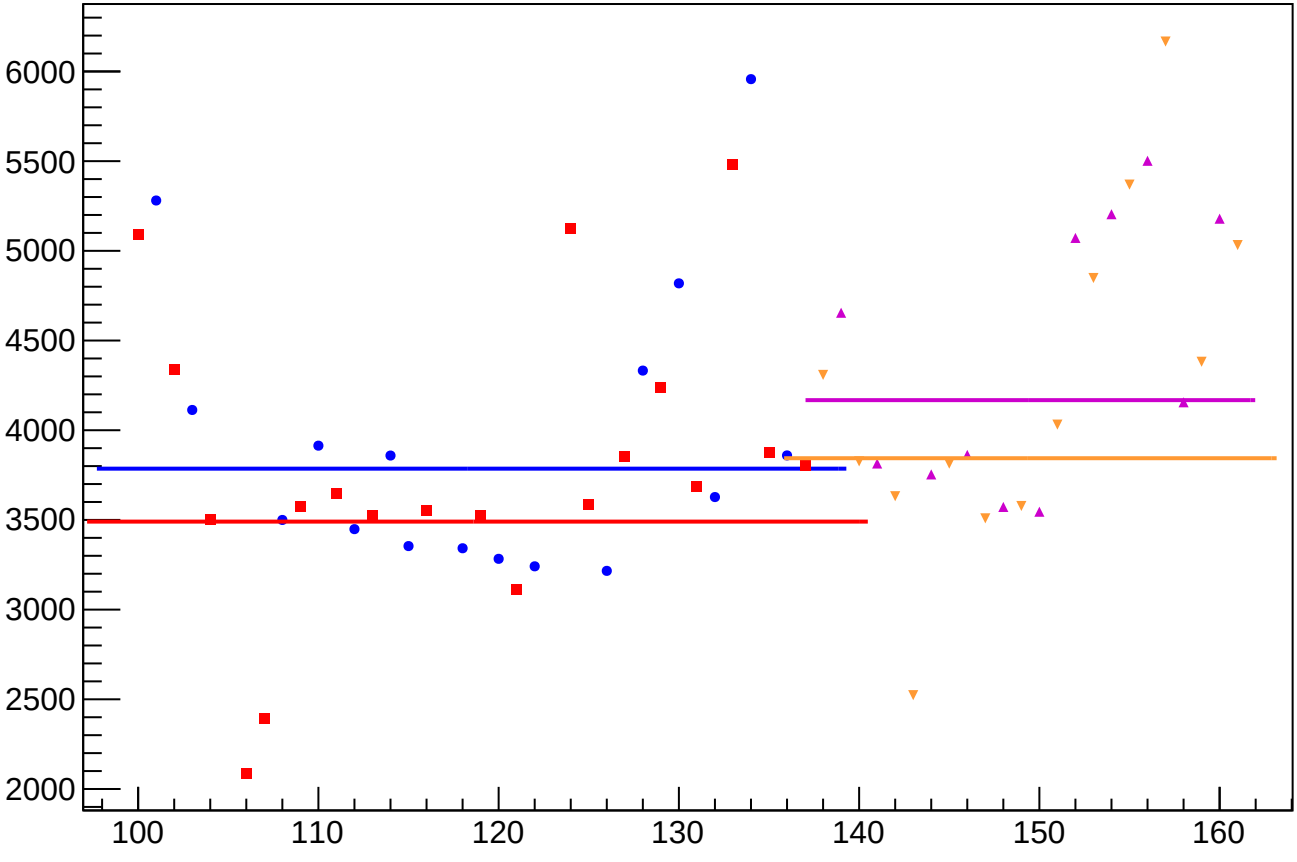
Left In: -659.186+/-1367.707 χ^2/NDF:6.1/10

+ sign -97.778+/-933.744 χ^2/NDF: 33.1/28

All: -156.843+/-667.895 χ^2/NDF: 51.1/58

- sign -218.723+/-955.730 χ^2/NDF: 17.9/29

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3843.968+/-0.871 χ^2/NDF:1044847.1/12

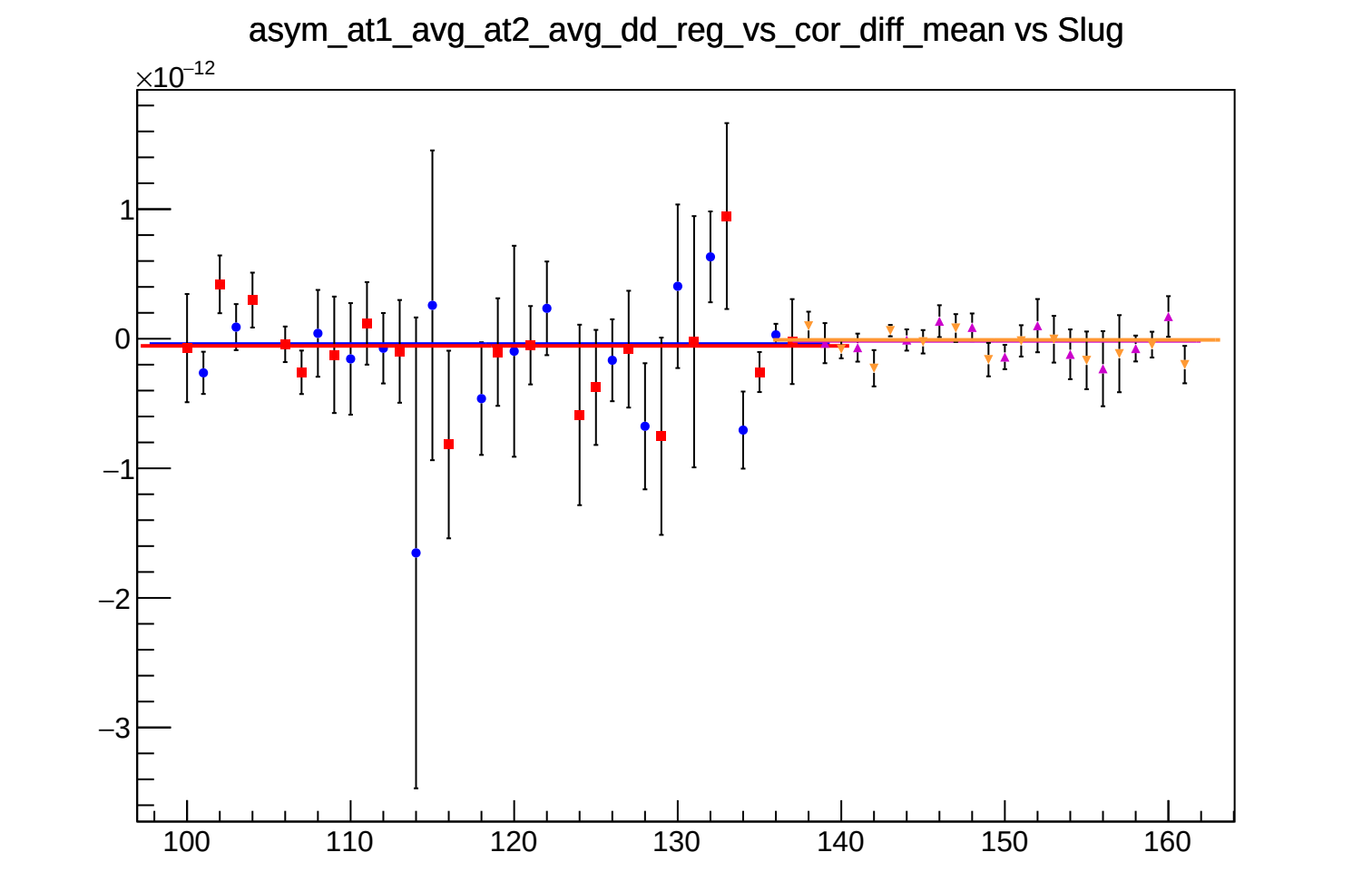
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4167.729+/-0.967 χ^2/NDF:451630.3/10

\+ sign 3819.212+/-0.660 χ^2/NDF: 1429738.8/28

All: 3817.929+/-0.471 χ^2/NDF: 2722287.6/58

\- sign 3816.605+/-0.671 χ^2/NDF: 1292541.1/29



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/12

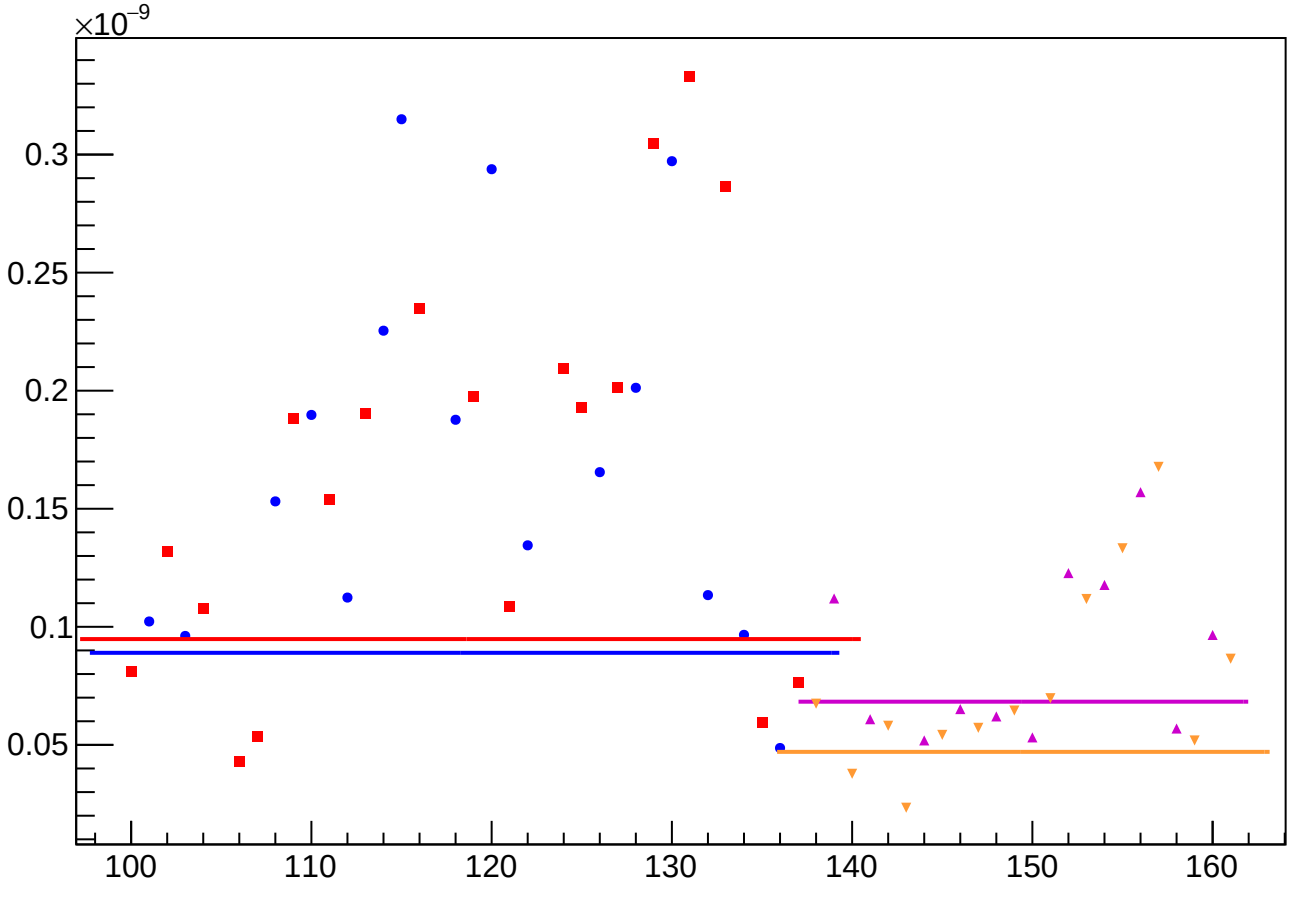
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 28.6/28

All: -0.000+/-0.000 χ^2/NDF: 52.3/58

- sign -0.000+/-0.000 χ^2/NDF: 23.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1873666.5/12

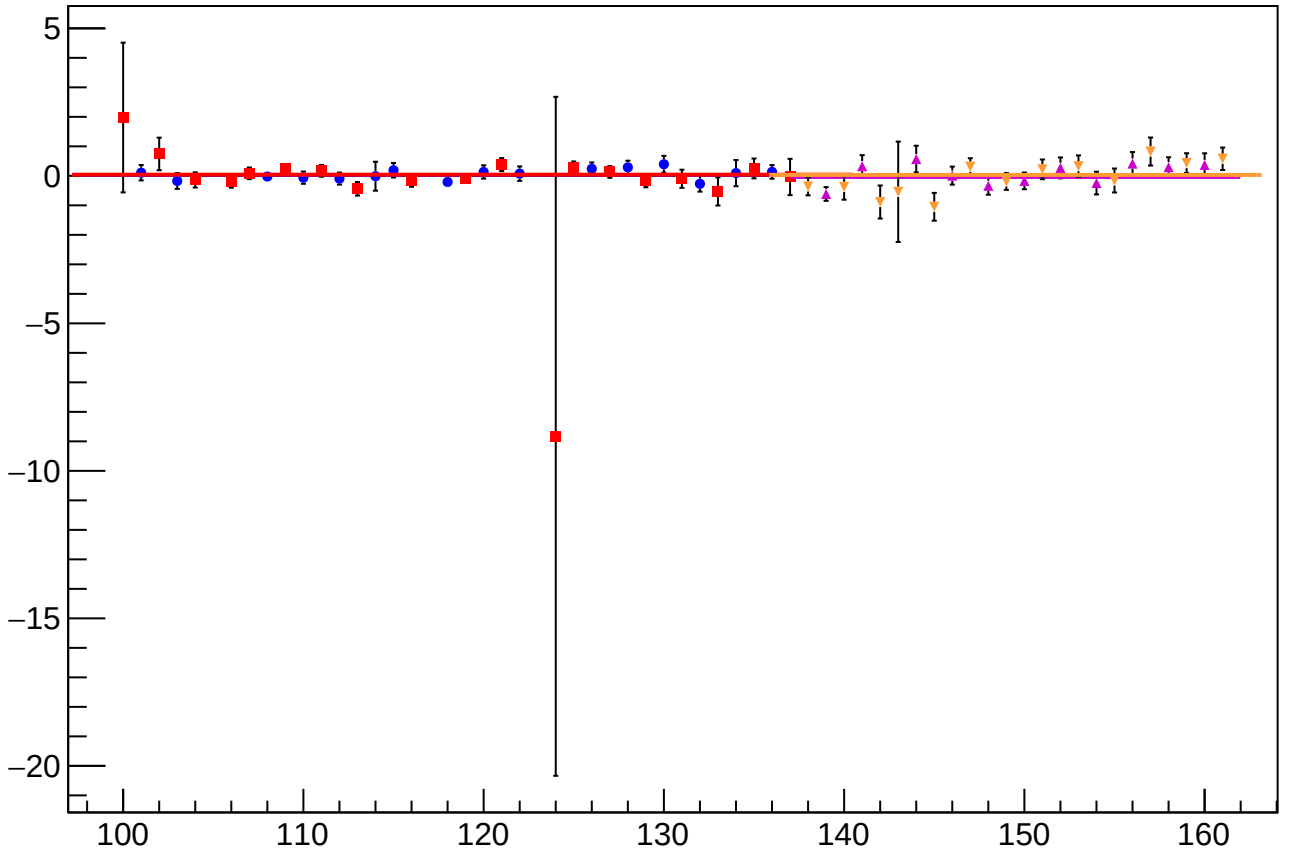
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:859505.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 4173240.7/28

All: 0.000+/-0.000 χ^2/NDF: 7558372.6/58

- sign 0.000+/-0.000 χ^2/NDF: 2852886.1/29



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.031+/-0.105 χ^2/NDF:19.6/12

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

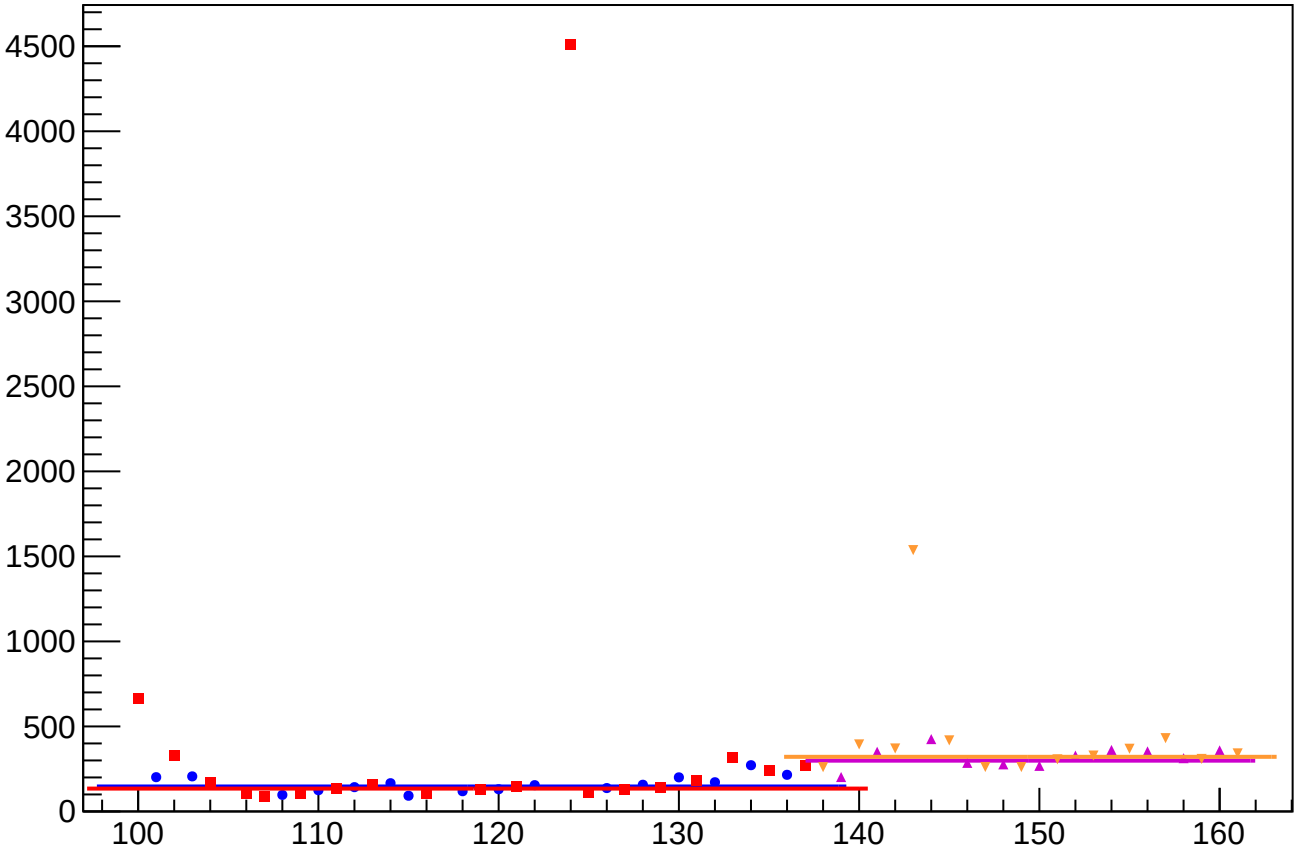
Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.029+/-0.051 χ^2/NDF: 29.1/28

All: 0.025+/-0.035 χ^2/NDF: 64.0/58

- sign 0.022+/-0.048 χ^2/NDF: 35.0/29

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.299+/-0.074 χ^2/NDF:1579950.4/12

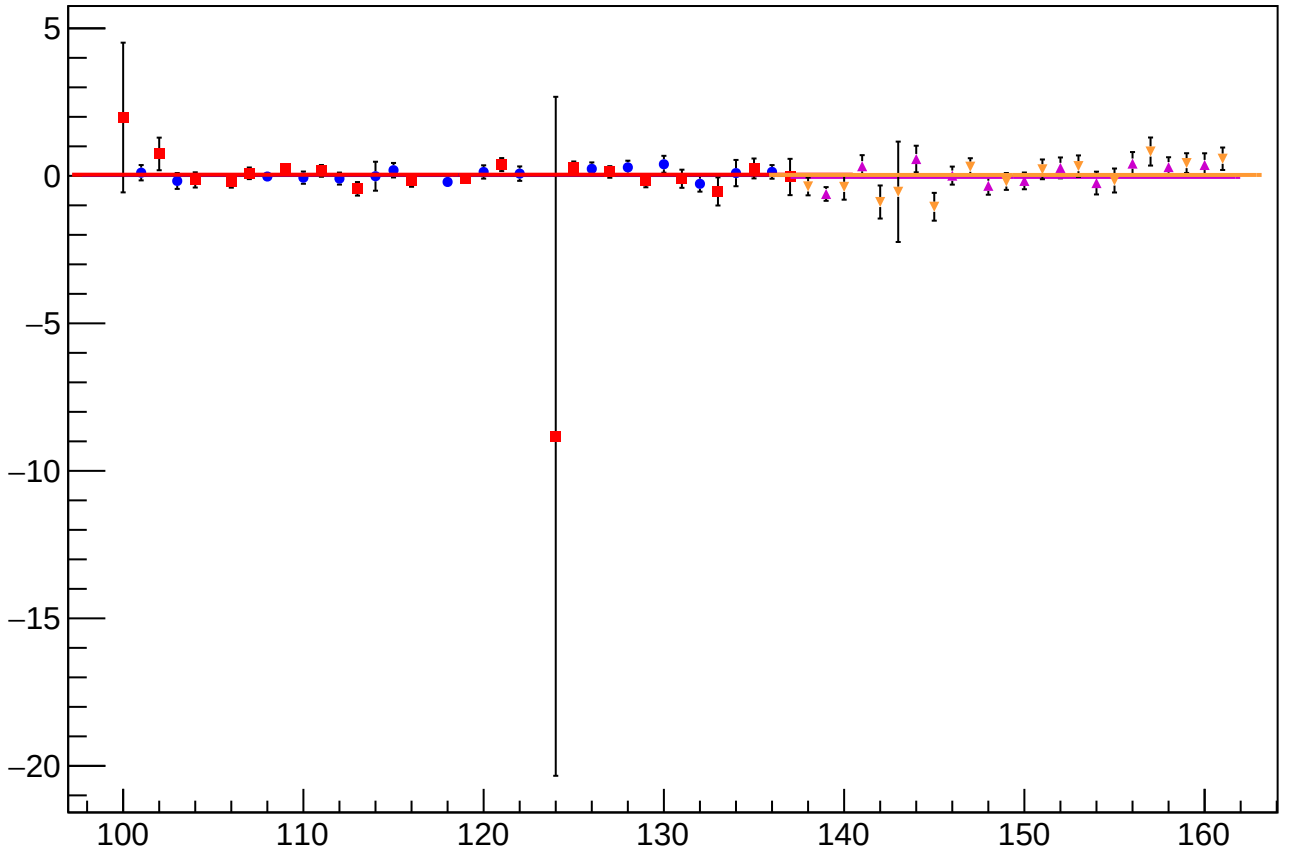
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

+ sign 187.530+/-0.036 χ^2/NDF: 6844121.9/28

All: 179.740+/-0.025 χ^2/NDF: 13456311.0/58

- sign 172.714+/-0.034 χ^2/NDF: 6521770.3/29



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.031+/-0.105 χ^2/NDF:19.6/12

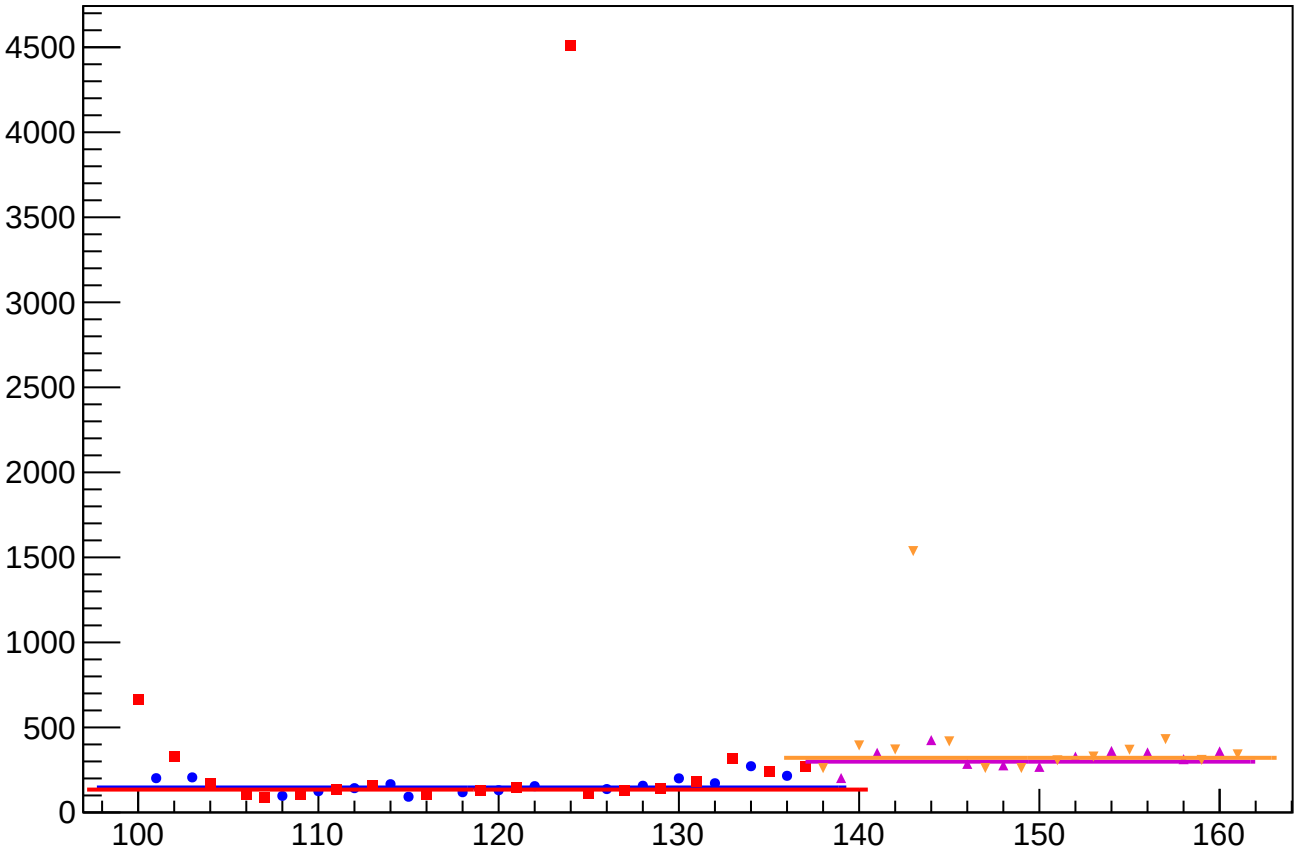
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.029+/-0.051 χ^2/NDF: 29.1/28

All: 0.025+/-0.035 χ^2/NDF: 64.0/58

- sign 0.022+/-0.048 χ^2/NDF: 35.0/29



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.299+/-0.074 χ^2/NDF:1579950.4/12

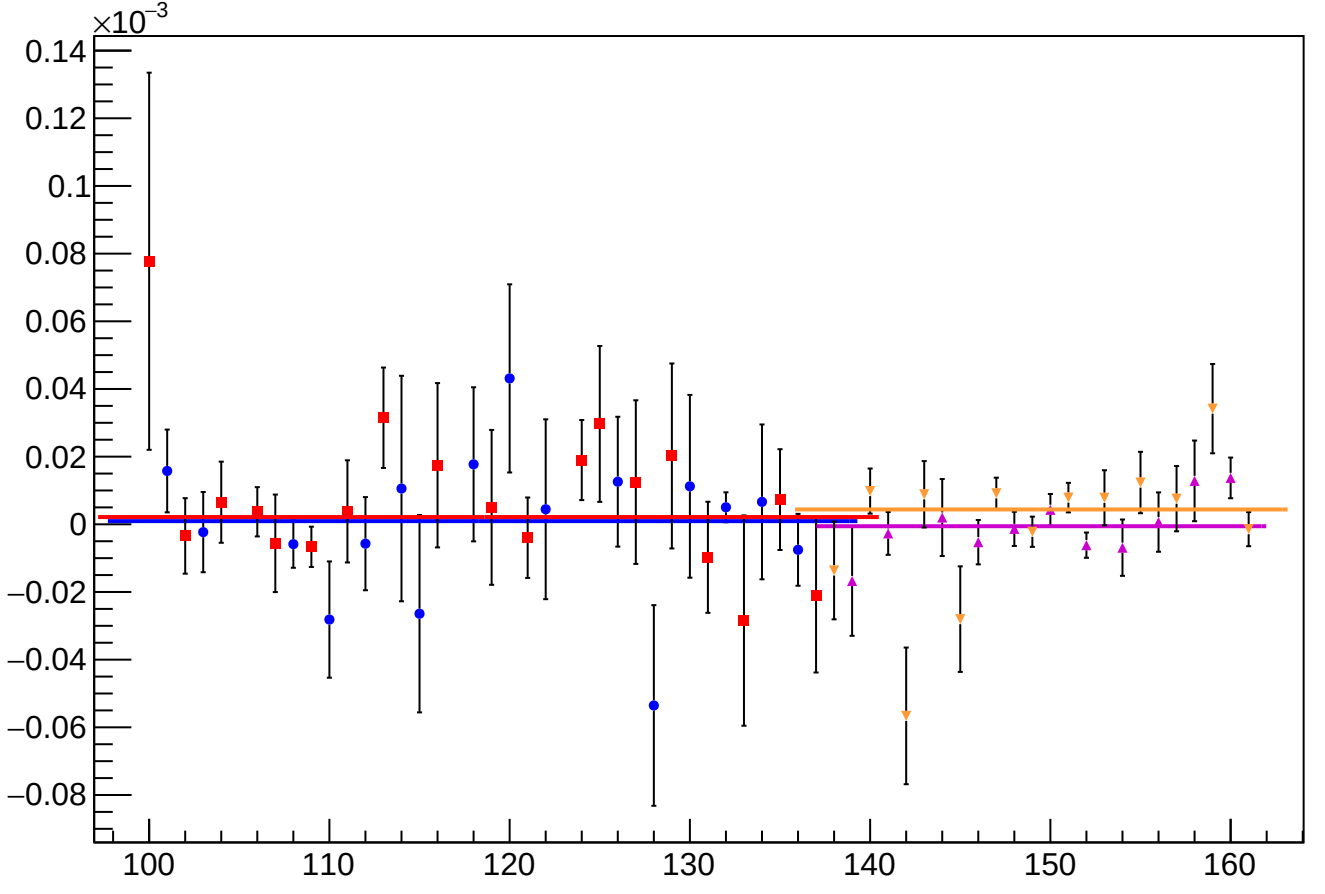
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

+ sign 187.530+/-0.036 χ^2/NDF: 6844121.9/28

All: 179.740+/-0.025 χ^2/NDF: 13456311.0/58

- sign 172.714+/-0.034 χ^2/NDF: 6521770.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/12

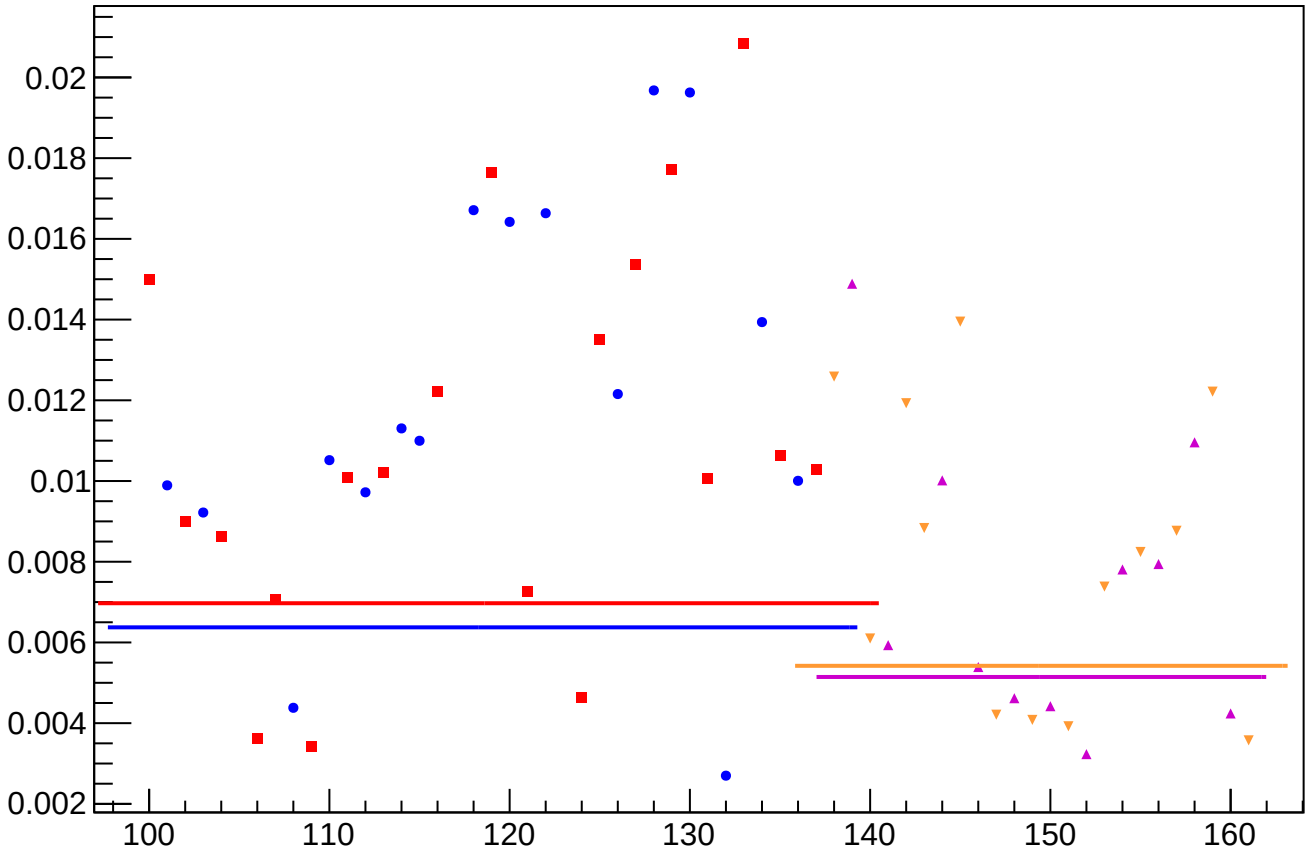
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 43.1/28

All: 0.000+/-0.000 χ^2/NDF: 74.2/58

- sign 0.000+/-0.000 χ^2/NDF: 29.2/29



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:3461386.7/12

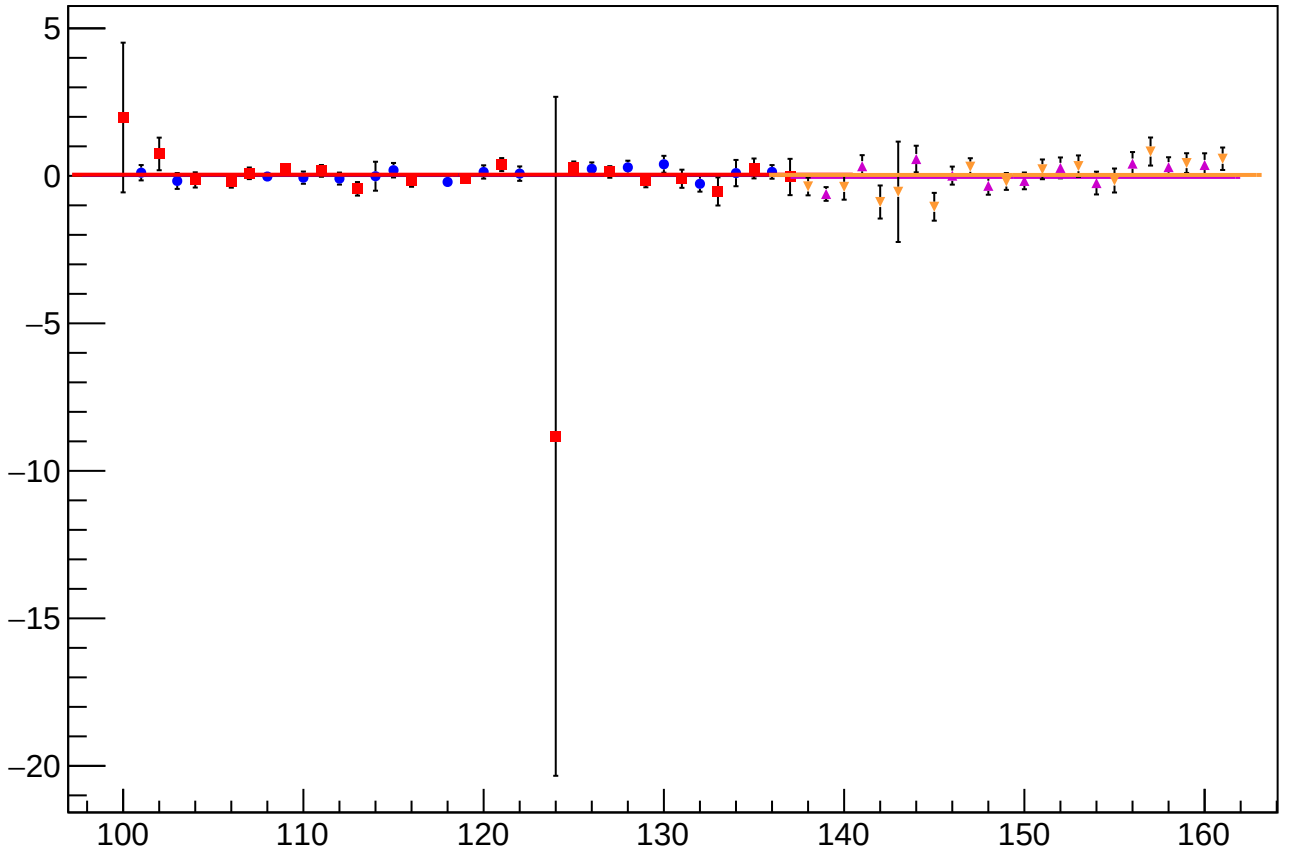
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2648124.2/10

+ sign 0.006+/-0.000 χ^2/NDF: 8250365.9/28

All: 0.006+/-0.000 χ^2/NDF: 14835992.4/58

- sign 0.006+/-0.000 χ^2/NDF: 6584941.5/29



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.031+/-0.105 χ^2/NDF:19.6/12

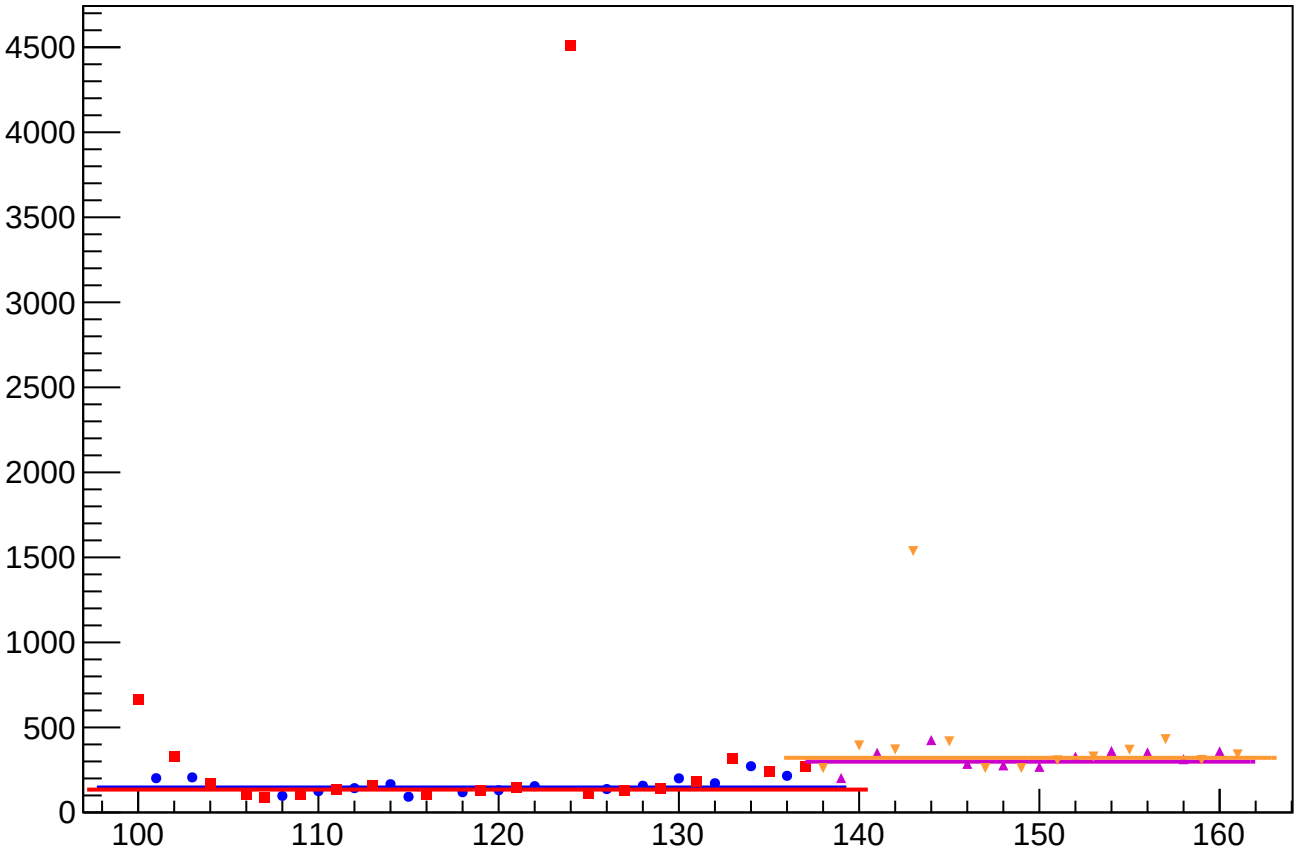
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.029+/-0.051 χ^2/NDF: 29.1/28

All: 0.025+/-0.035 χ^2/NDF: 64.0/58

- sign 0.022+/-0.048 χ^2/NDF: 35.0/29



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.303+/-0.074 χ^2/NDF:1579953.2/12

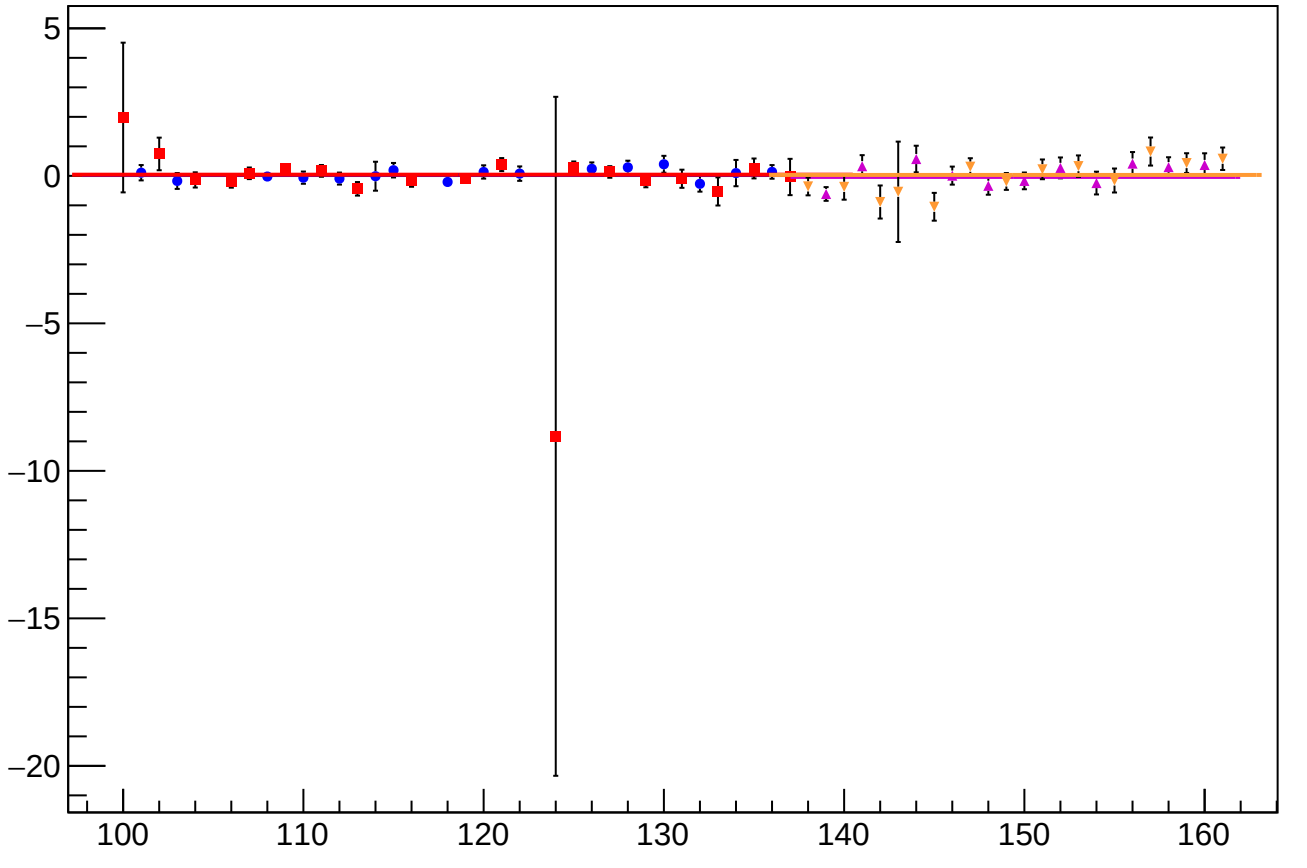
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

+ sign 187.530+/-0.036 χ^2/NDF: 6844182.6/28

All: 179.741+/-0.025 χ^2/NDF: 13456304.9/58

- sign 172.715+/-0.034 χ^2/NDF: 6521723.3/29



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.031+/-0.105 χ^2/NDF:19.6/12

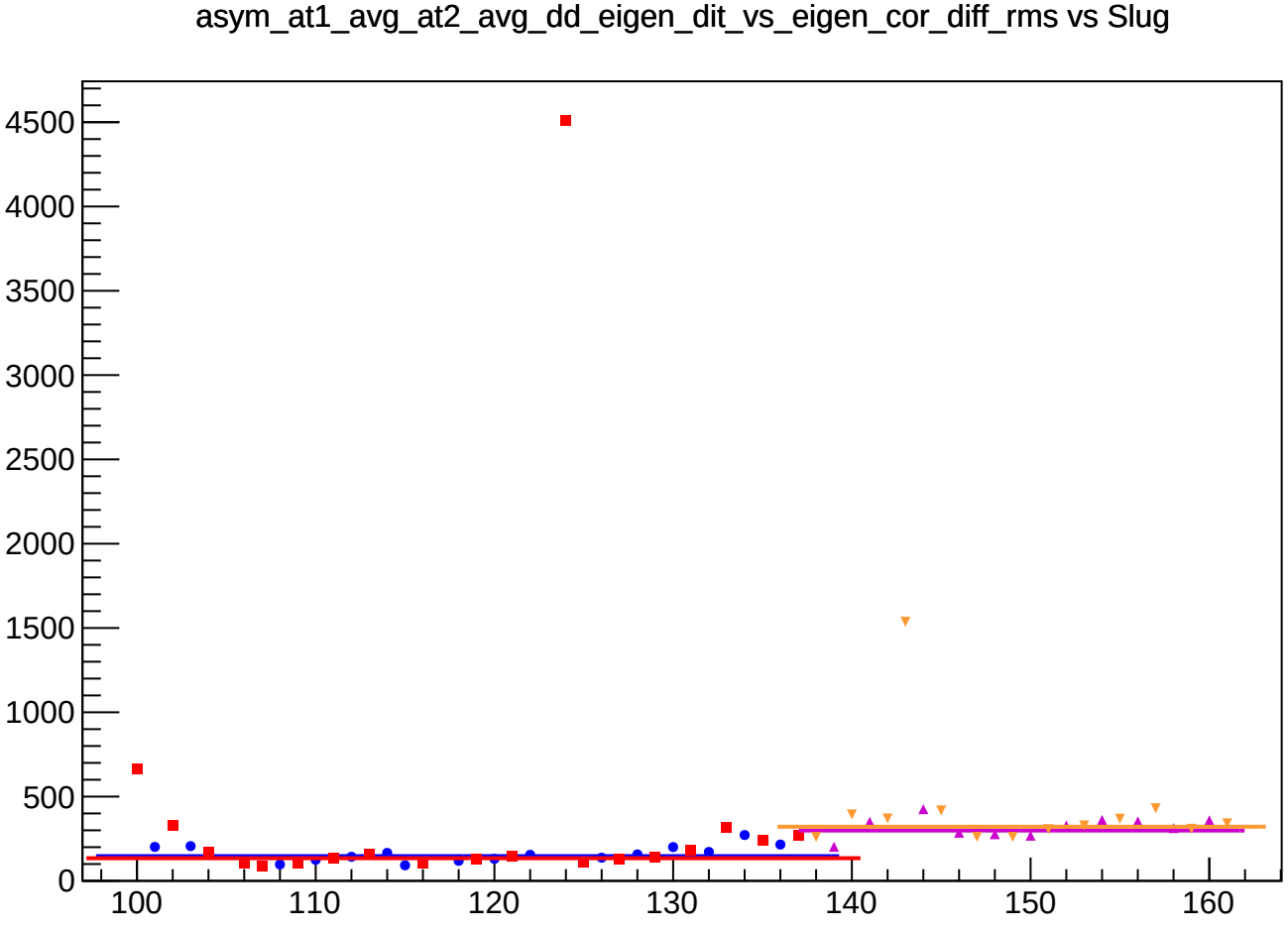
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

\+ sign 0.029+/-0.051 χ^2/NDF: 29.1/28

All: 0.025+/-0.035 χ^2/NDF: 64.0/58

\- sign 0.022+/-0.048 χ^2/NDF: 35.0/29



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.303+/-0.074 χ^2/NDF:1579953.2/12

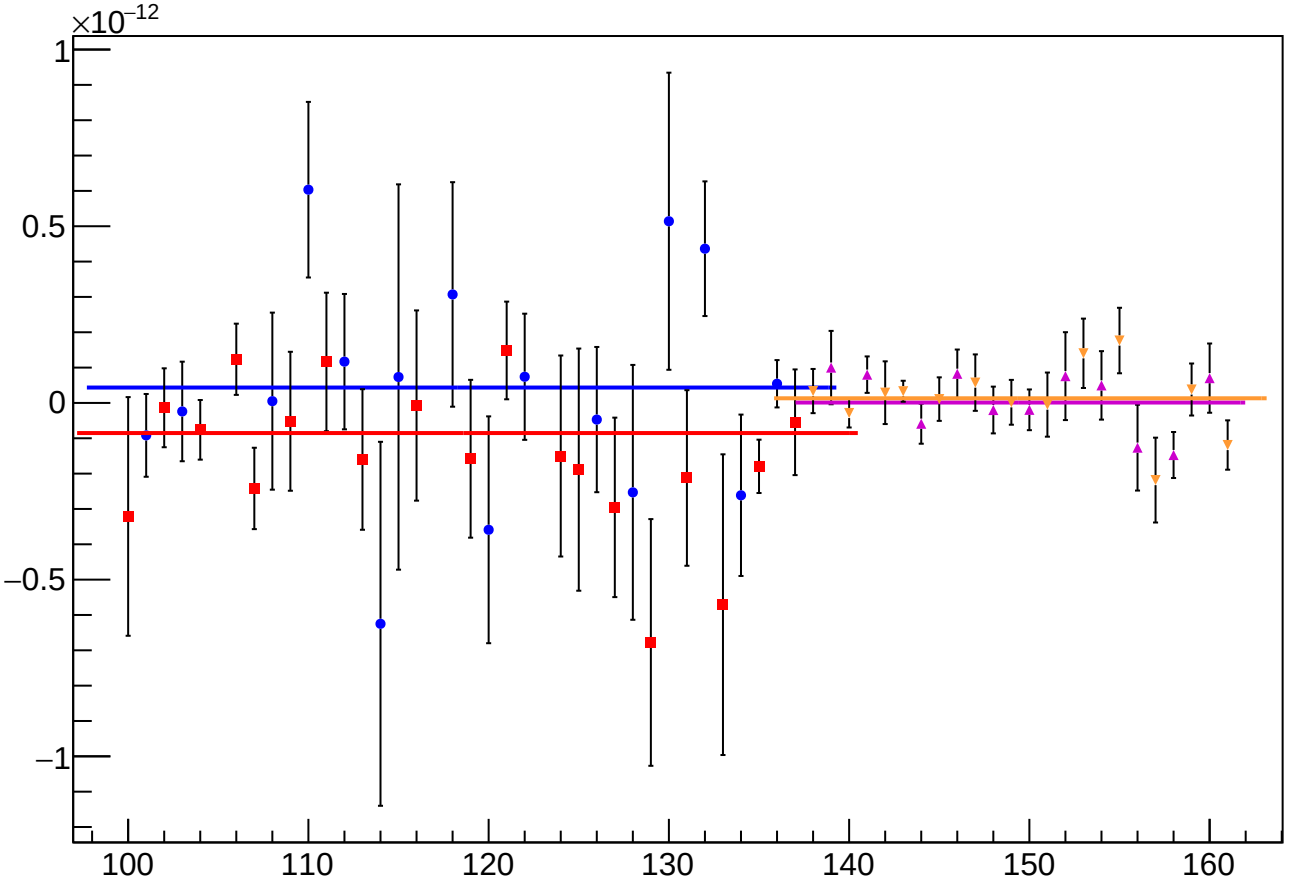
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

+ sign 187.530+/-0.036 χ^2/NDF: 6844182.6/28

All: 179.741+/-0.025 χ^2/NDF: 13456304.9/58

- sign 172.715+/-0.034 χ^2/NDF: 6521723.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/12

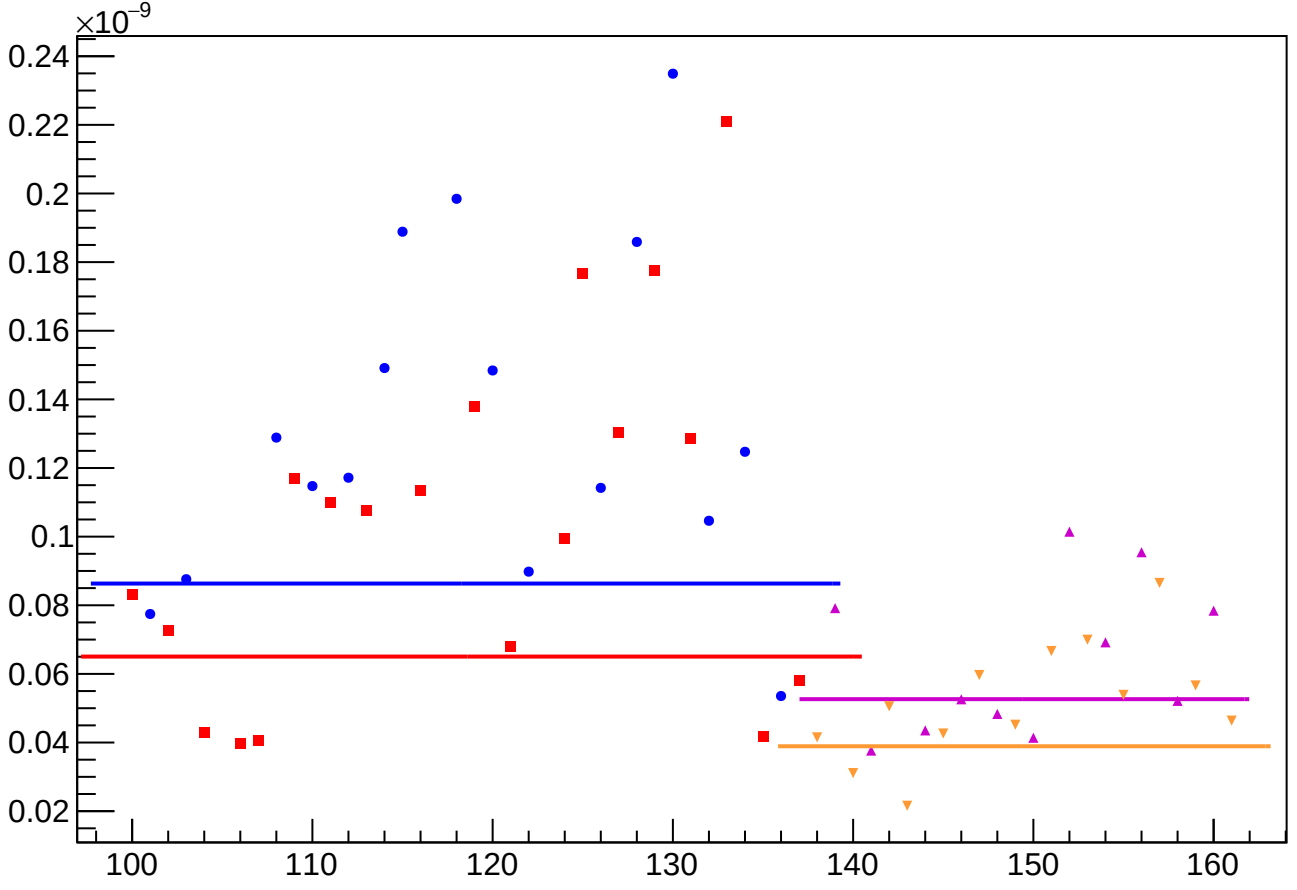
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 33.6/28

All: 0.000+/-0.000 χ^2/NDF: 72.7/58

- sign -0.000+/-0.000 χ^2/NDF: 36.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1849570.2/12

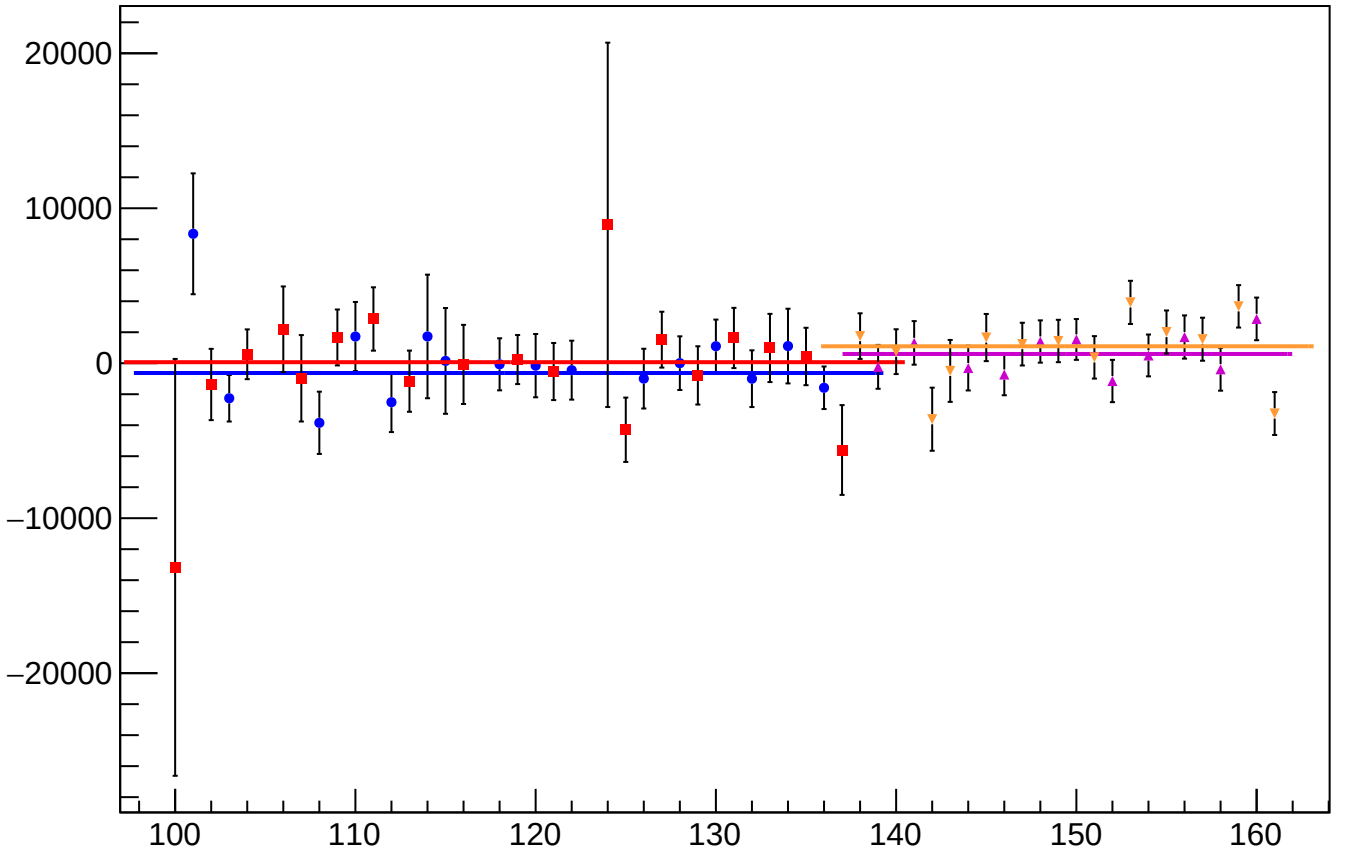
Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1189787.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 5551204.7/28

All: 0.000+/-0.000 χ^2/NDF: 9506359.0/58

- sign 0.000+/-0.000 χ^2/NDF: 3535713.4/29



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.716+/-406.127 χ^2/NDF:24.8/12

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

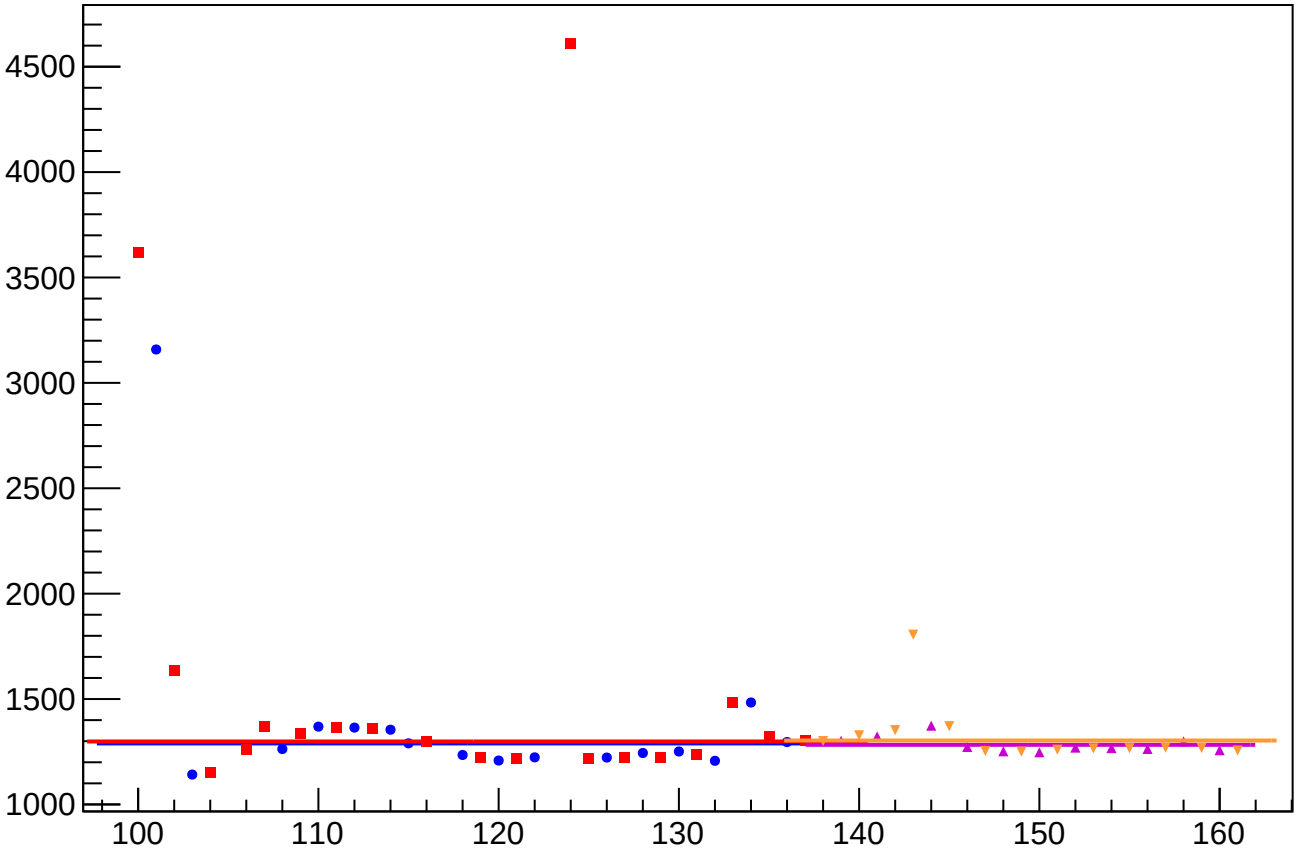
Left In: 597.367+/-415.077 χ^2/NDF:8.3/10

+ sign 389.088+/-312.338 χ^2/NDF: 46.0/28

All: 382.067+/-222.178 χ^2/NDF: 70.9/58

- sign 374.876+/-316.110 χ^2/NDF: 24.8/29

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

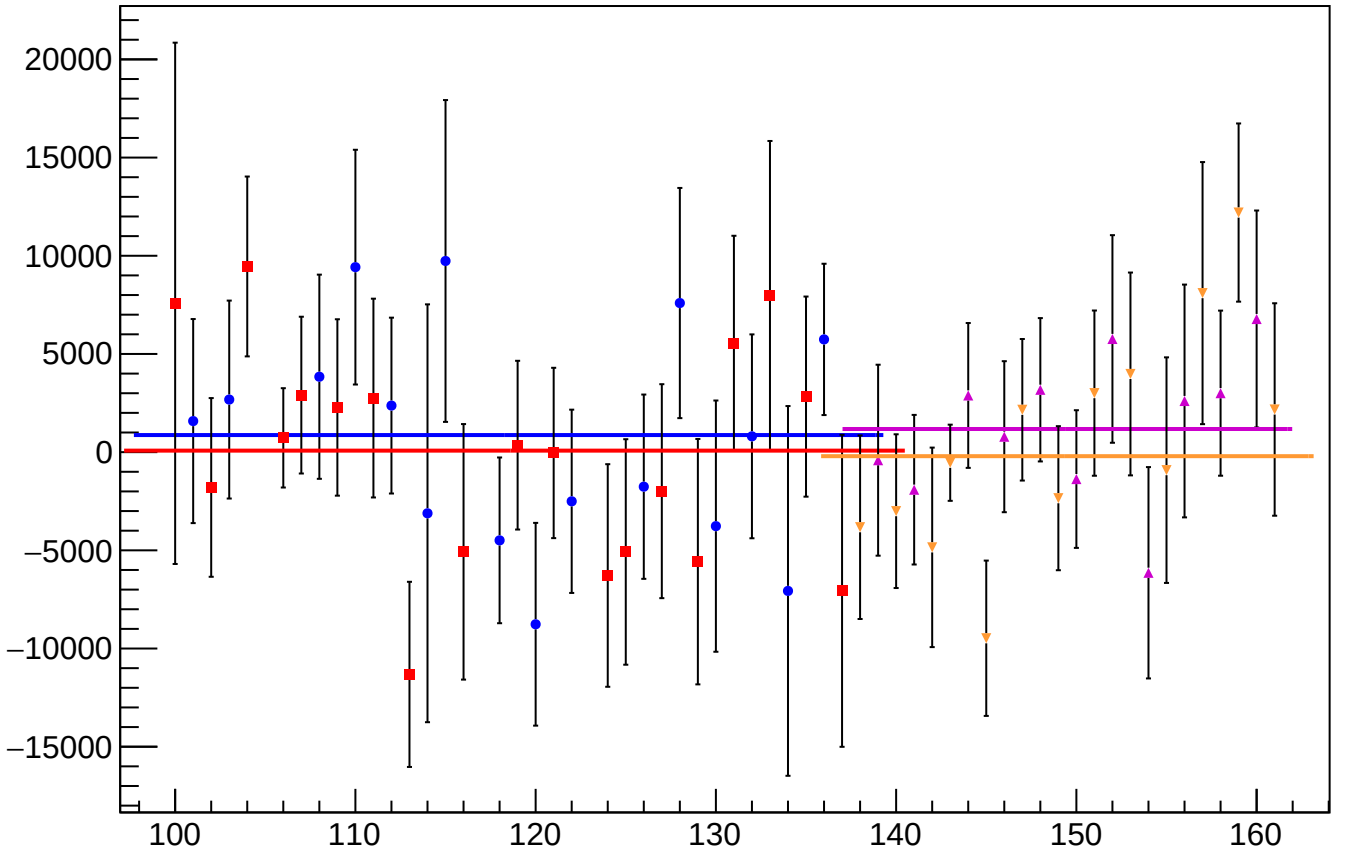
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1297.678+/-0.221 χ^2/NDF: 662874.2/28

All: 1293.643+/-0.157 χ^2/NDF: 998364.9/58

- sign 1289.520+/-0.223 χ^2/NDF: 334815.9/29



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -205.395+/-1078.069 χ^2/NDF:18.7/12

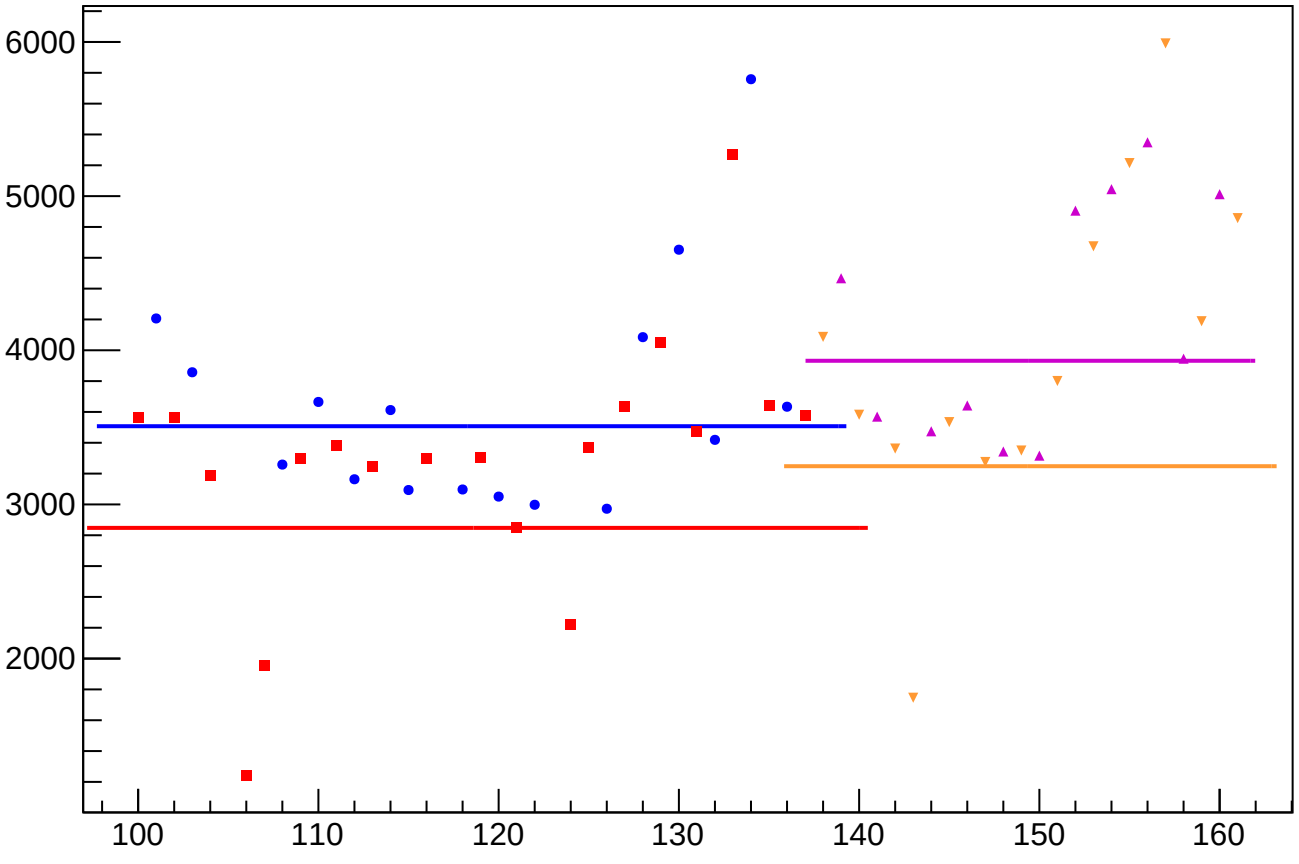
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1178.736+/-1294.234 χ^2/NDF:5.7/10

+ sign 222.963+/-836.309 χ^2/NDF: 33.1/28

All: 382.514+/-593.723 χ^2/NDF: 57.7/58

- sign 544.643+/-843.033 χ^2/NDF: 24.5/29



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3247.932+/-0.762 χ^2/NDF:2313741.7/12

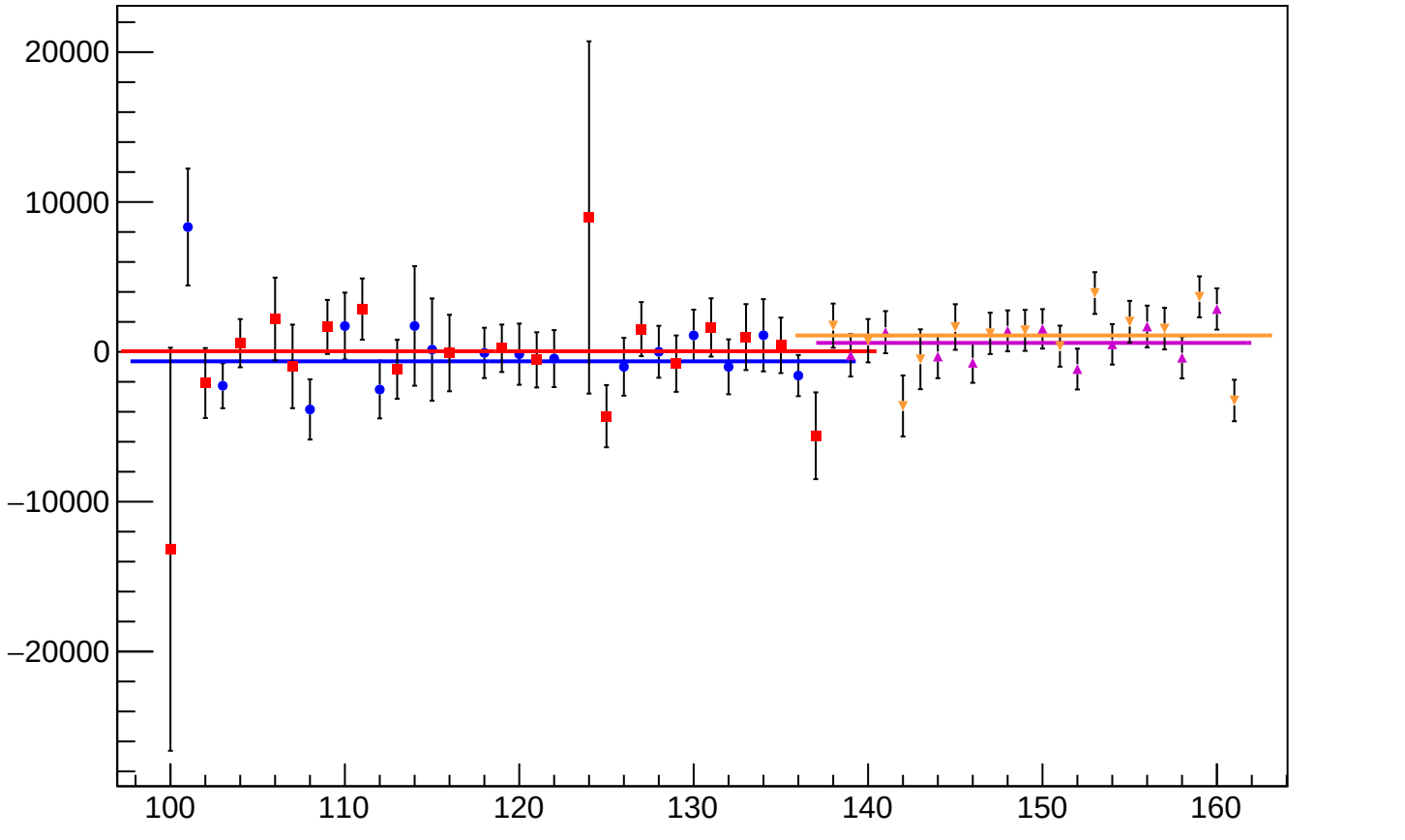
Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3931.901+/-0.915 χ^2/NDF:542555.0/10

+ sign 3351.255+/-0.591 χ^2/NDF: 2713854.0/28

All: 3329.698+/-0.420 χ^2/NDF: 5566292.7/58

- sign 3307.793+/-0.596 χ^2/NDF: 2849759.4/29



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.736+/-406.127 χ^2/NDF:24.8/12

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

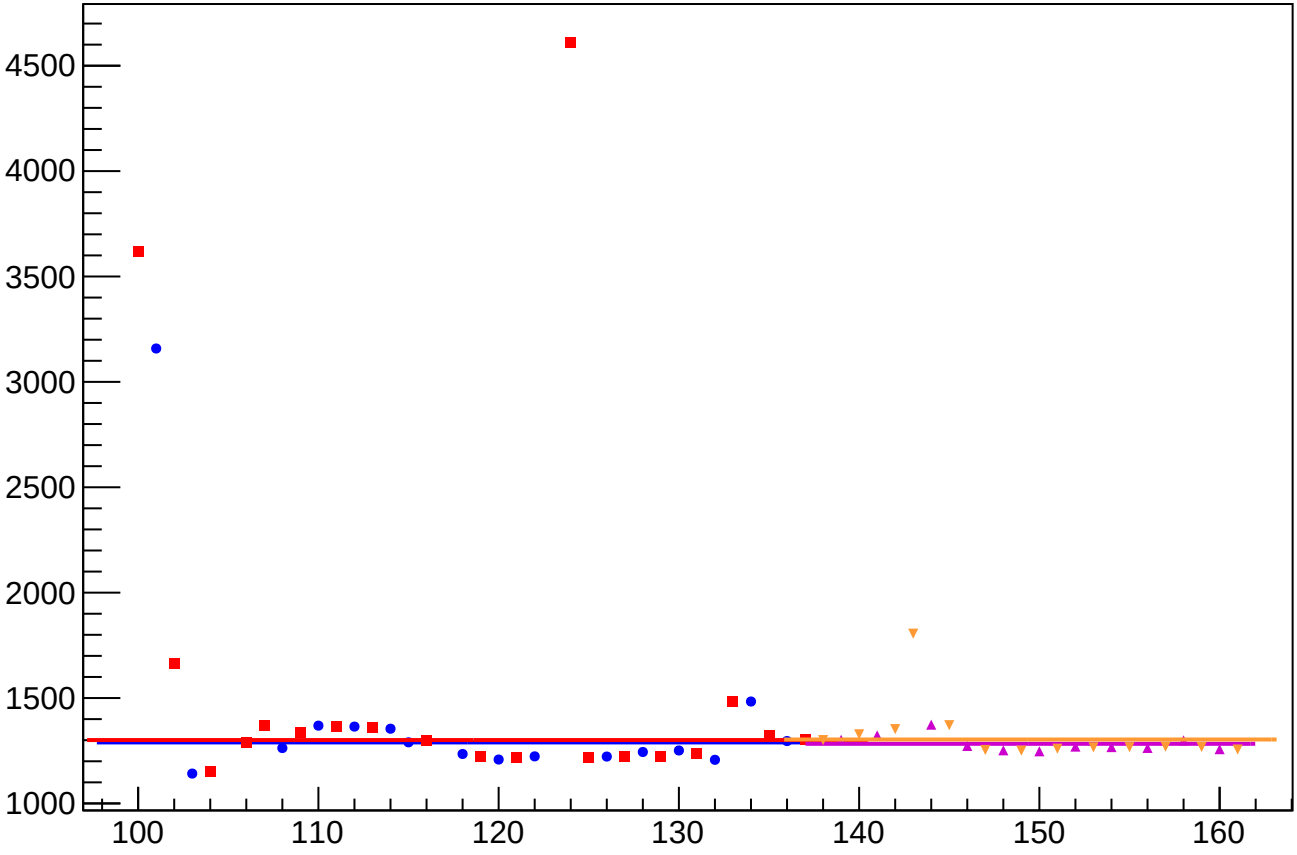
Left In: 597.365+/-415.077 χ^2/NDF:8.3/10

\+ sign 388.943+/-312.338 χ^2/NDF: 46.0/28

All: 376.065+/-222.209 χ^2/NDF: 71.4/58

\- sign 362.867+/-316.198 χ^2/NDF: 25.4/29

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1303.350+/-0.287 χ^2/NDF:147244.2/12

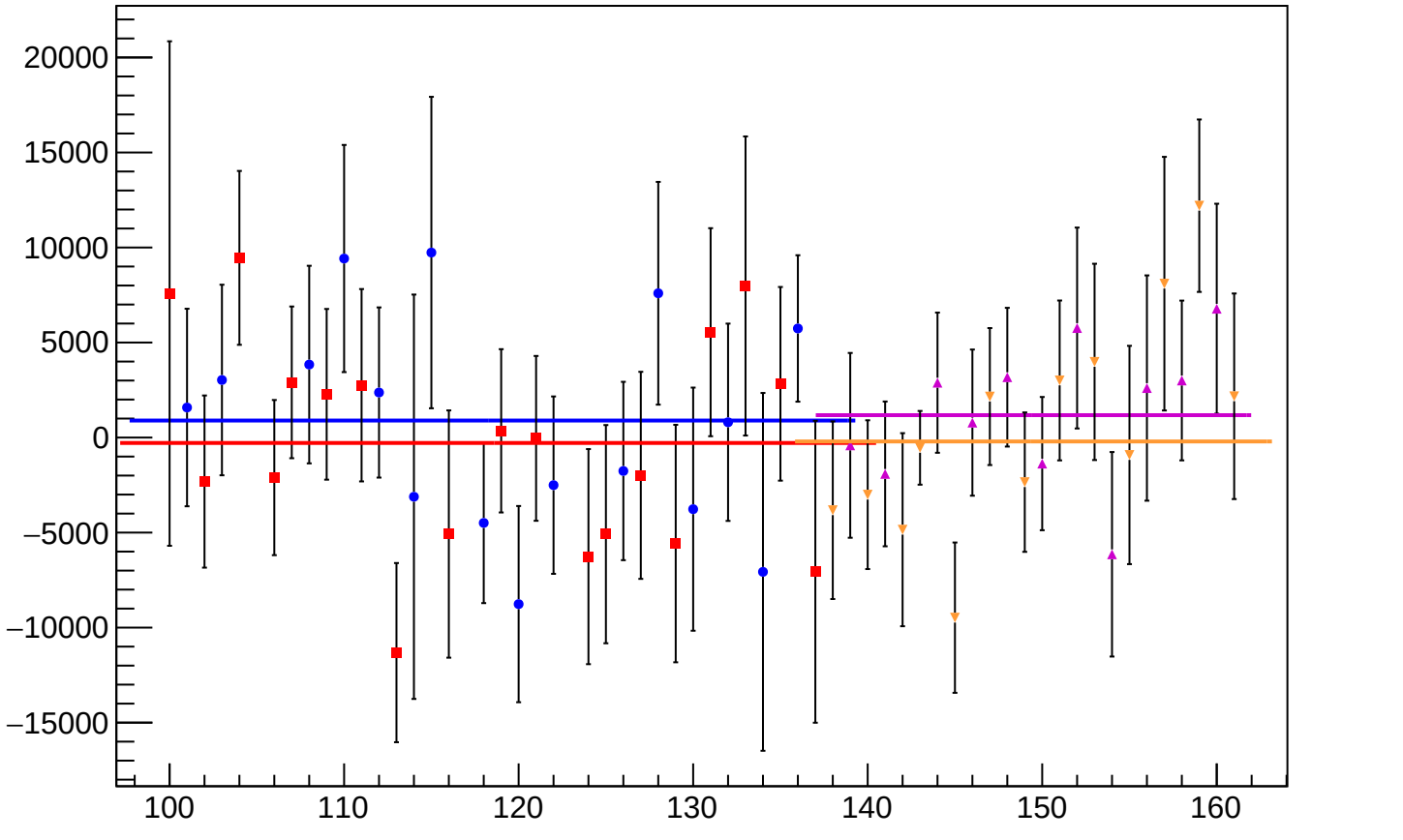
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1297.678+/-0.221 χ^2/NDF: 662875.7/28

All: 1294.062+/-0.157 χ^2/NDF: 1005097.5/58

- sign 1290.362+/-0.223 χ^2/NDF: 341679.5/29



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -205.293+/-1078.066 χ^2/NDF:18.7/12

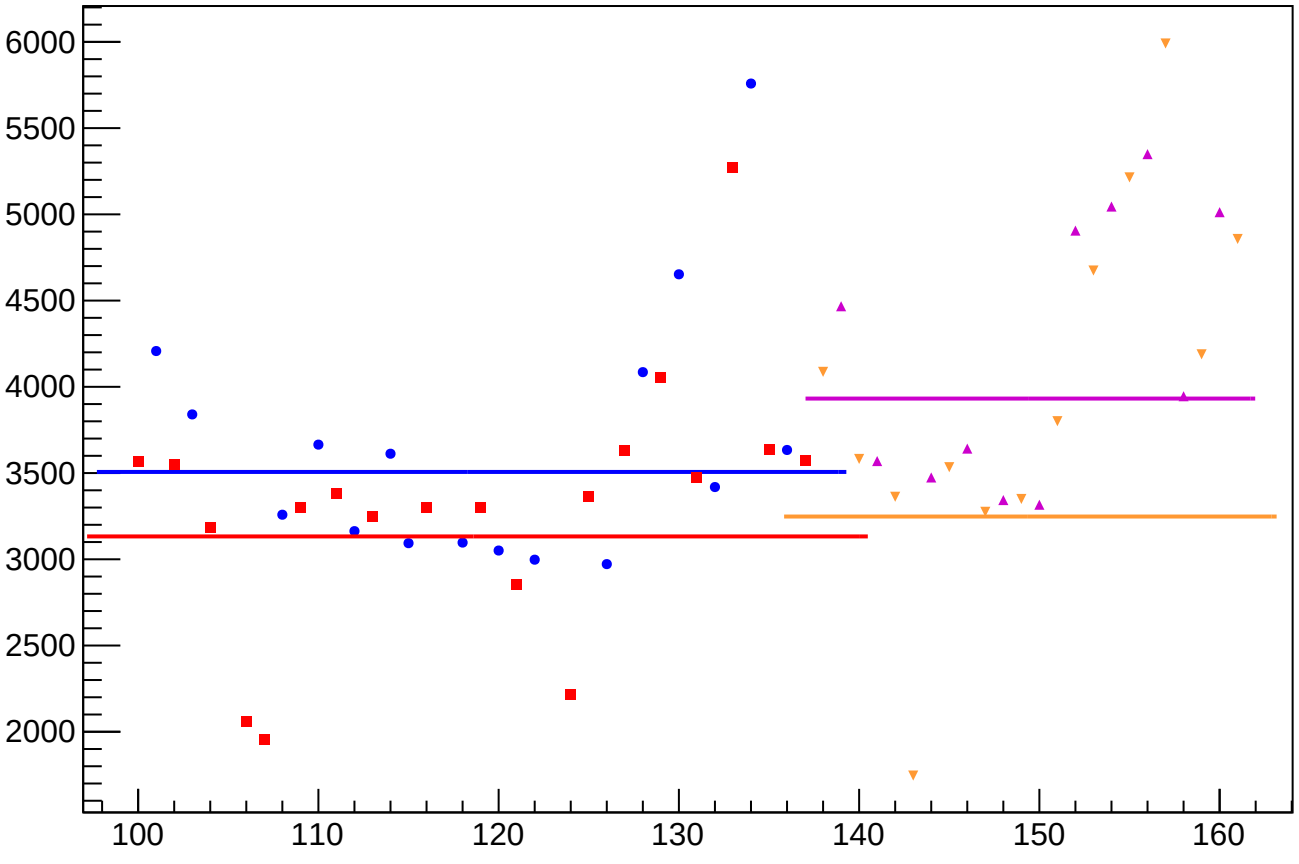
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1178.797+/-1294.233 χ^2/NDF:5.7/10

+ sign 233.446+/-836.193 χ^2/NDF: 33.2/28

All: 304.491+/-603.956 χ^2/NDF: 58.2/58

- sign 381.974+/-873.257 χ^2/NDF: 25.0/29



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3247.922+/-0.762 χ^2/NDF:2313764.6/12

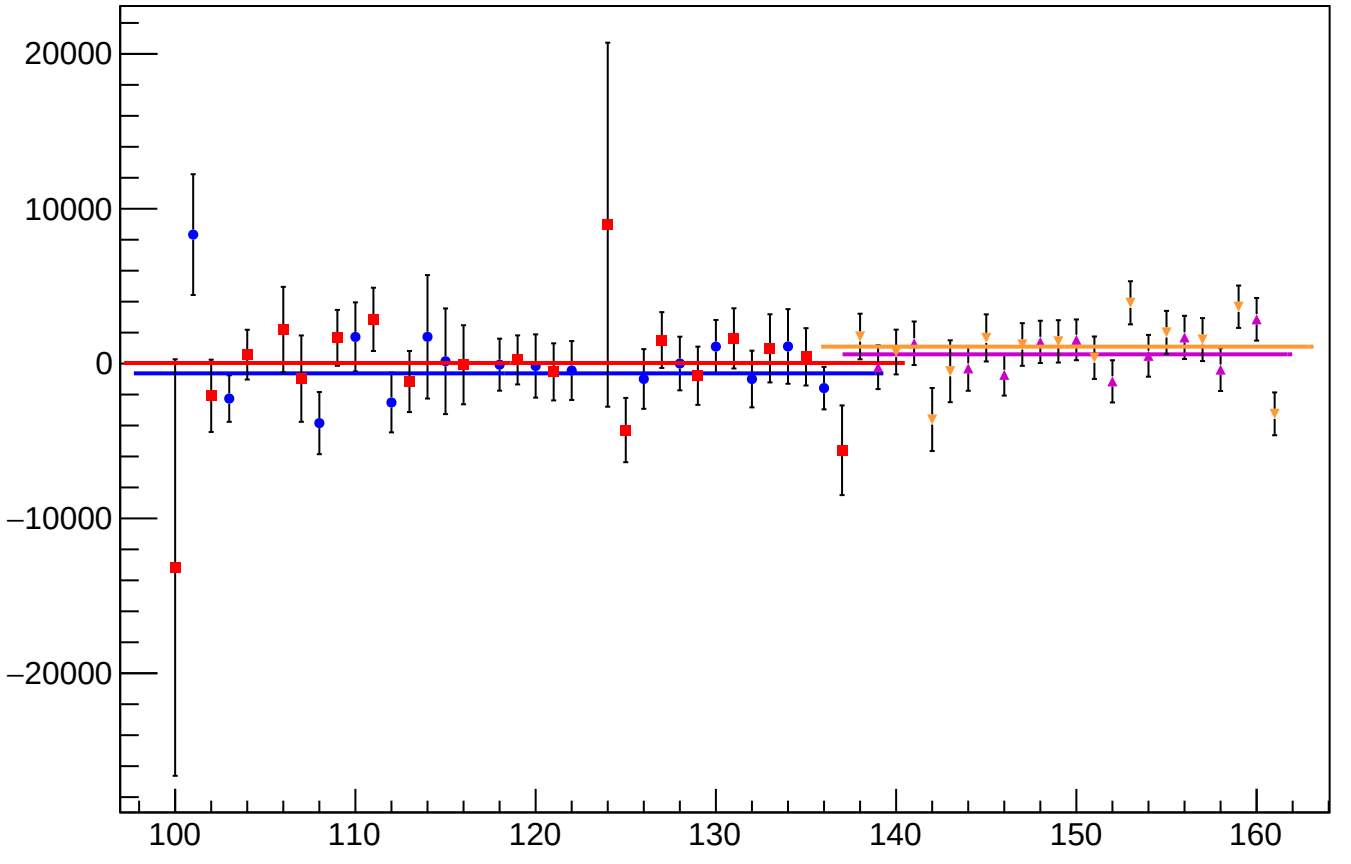
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

+ sign 3350.928+/-0.591 χ^2/NDF: 2712834.1/28

All: 3420.550+/-0.427 χ^2/NDF: 4349538.0/58

- sign 3496.481+/-0.617 χ^2/NDF: 1607718.3/29



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1093.736+/-406.127 χ^2/NDF:24.8/12

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

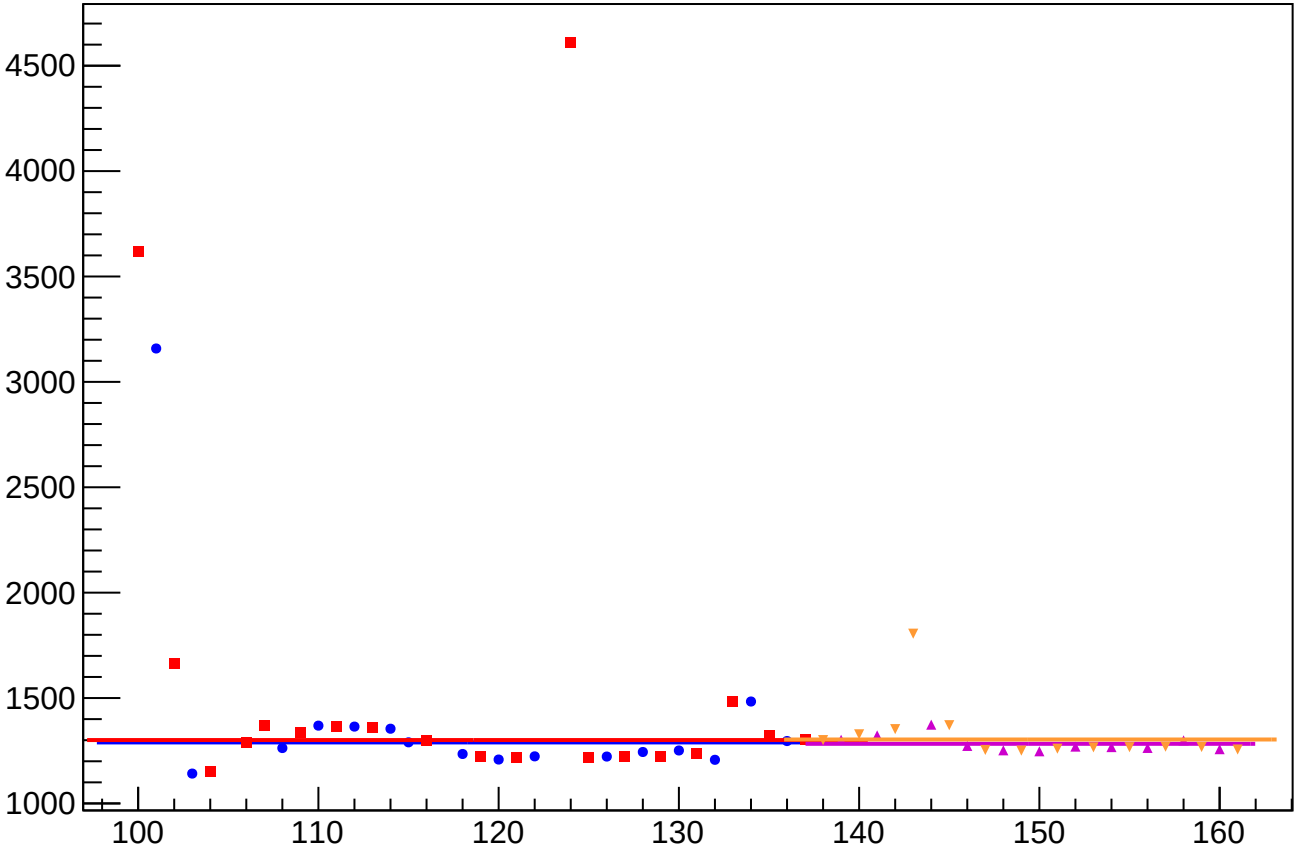
Left In: 597.365+/-415.077 χ^2/NDF:8.3/10

\+ sign 388.943+/-312.338 χ^2/NDF: 46.0/28

All: 376.065+/-222.209 χ^2/NDF: 71.4/58

\- sign 362.867+/-316.198 χ^2/NDF: 25.4/29

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: 1303.350+/-0.287 χ^2/NDF:147244.2/12

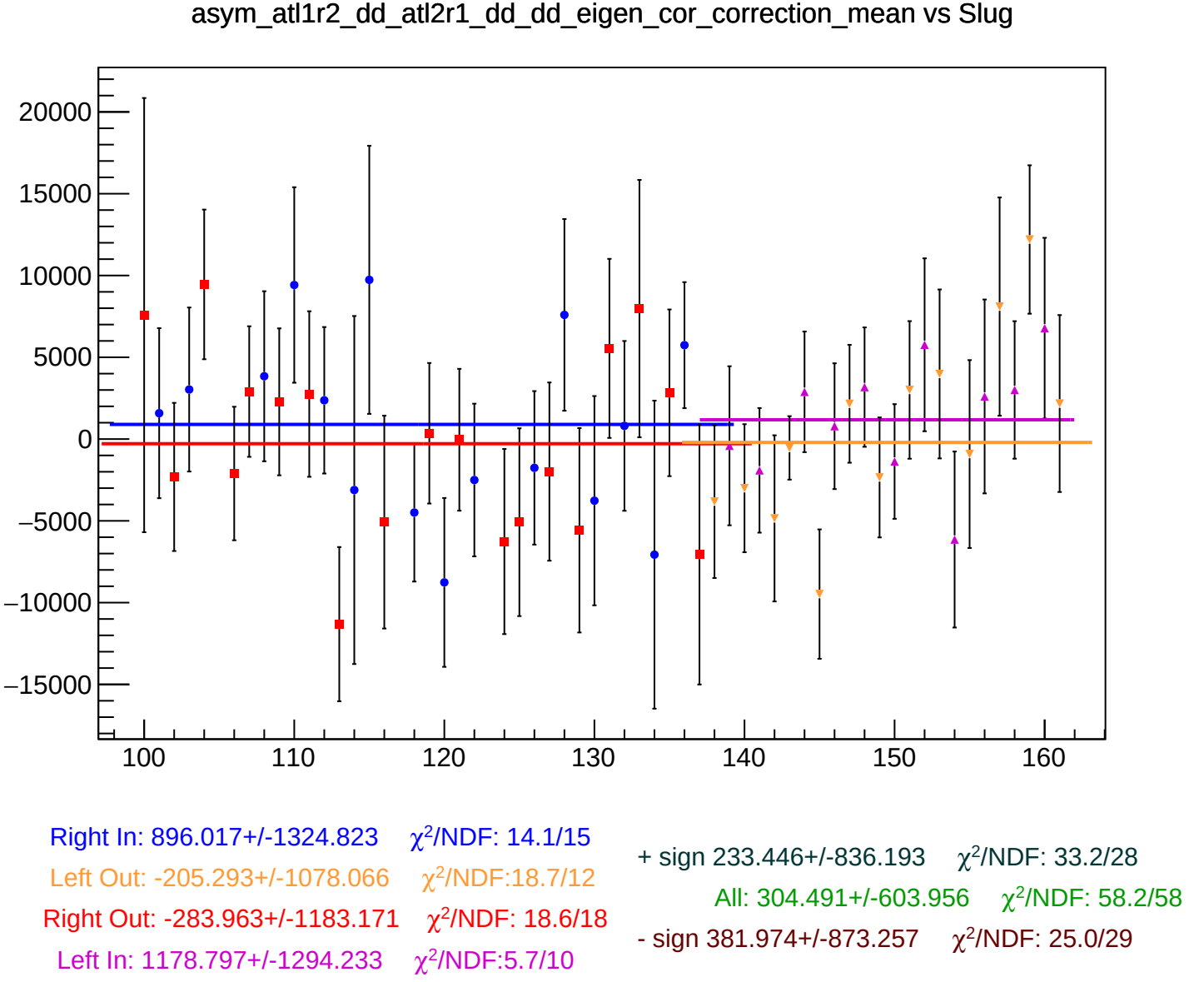
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

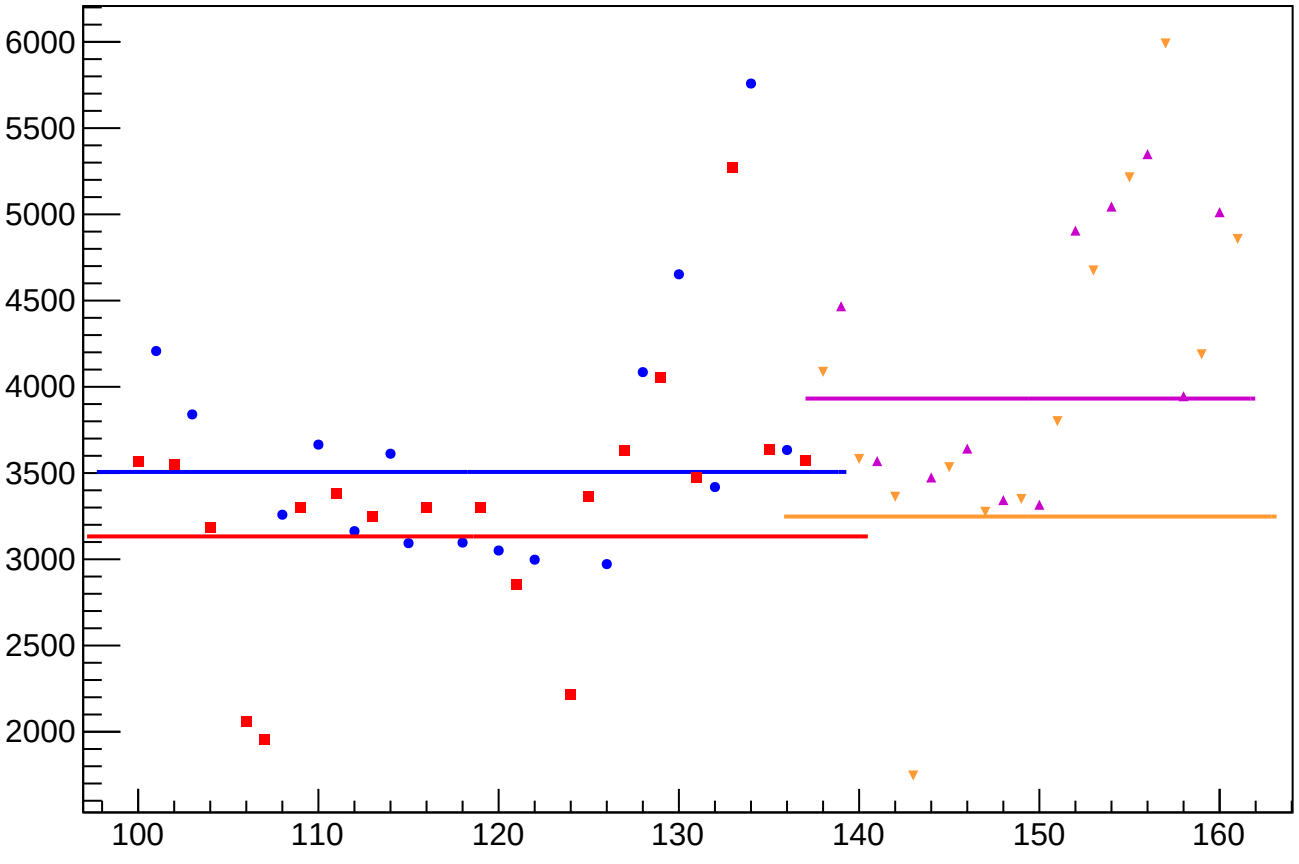
Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1297.678+/-0.221 χ^2/NDF: 662875.7/28

All: 1294.062+/-0.157 χ^2/NDF: 1005097.5/58

- sign 1290.362+/-0.223 χ^2/NDF: 341679.5/29


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
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -205.293+/-1078.066 χ²/NDF:18.7/12
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1178.797+/-1294.233 χ²/NDF:5.7/10
+ sign 233.446+/-836.193 χ²/NDF: 33.2/28
All: 304.491+/-603.956 χ²/NDF: 58.2/58
- sign 381.974+/-873.257 χ²/NDF: 25.0/29



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3247.922+/-0.762 χ^2/NDF:2313764.6/12

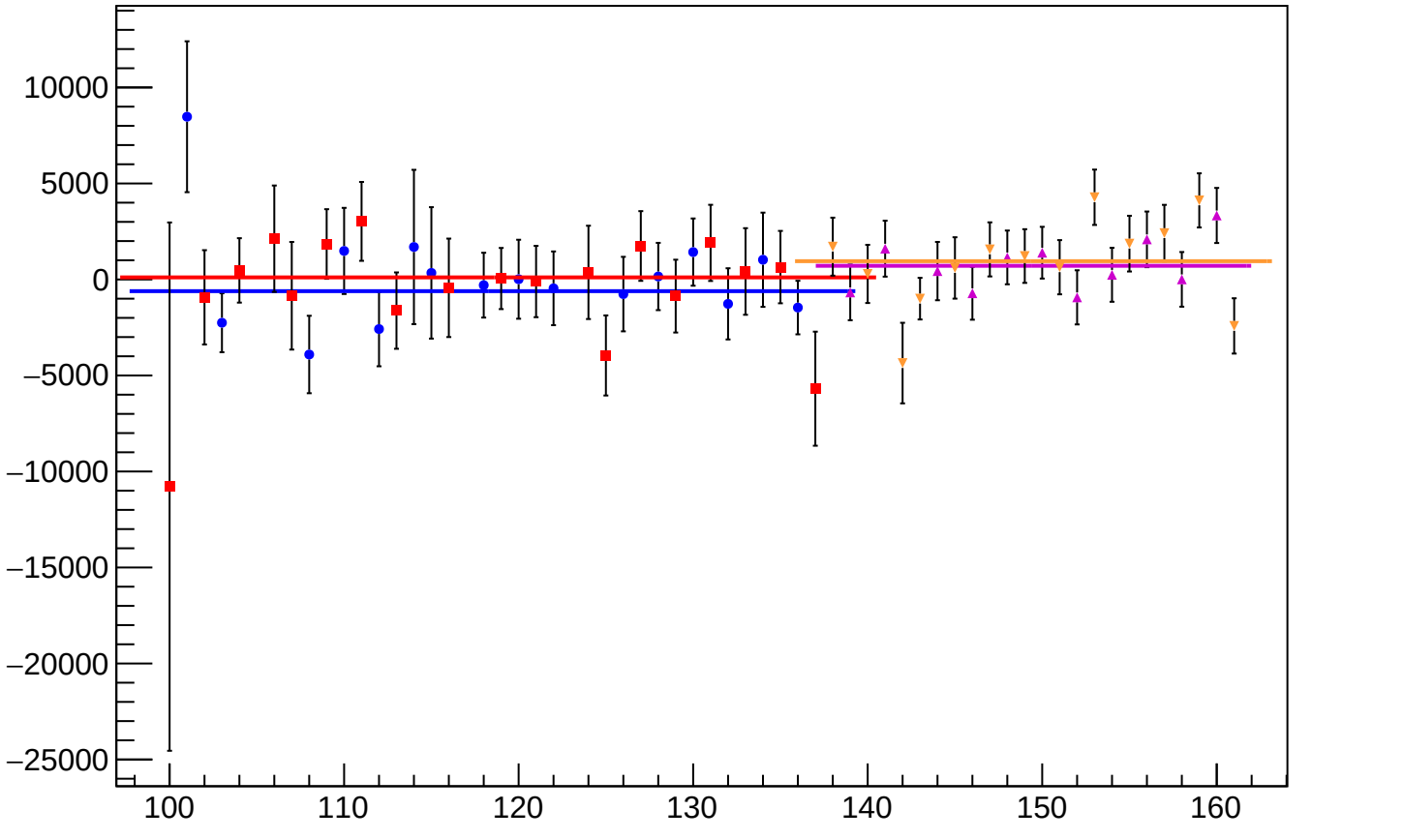
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

+ sign 3350.928+/-0.591 χ^2/NDF: 2712834.1/28

All: 3420.550+/-0.427 χ^2/NDF: 4349538.0/58

- sign 3496.481+/-0.617 χ^2/NDF: 1607718.3/29



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 953.074+/-399.584 χ^2/NDF:27.6/12

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

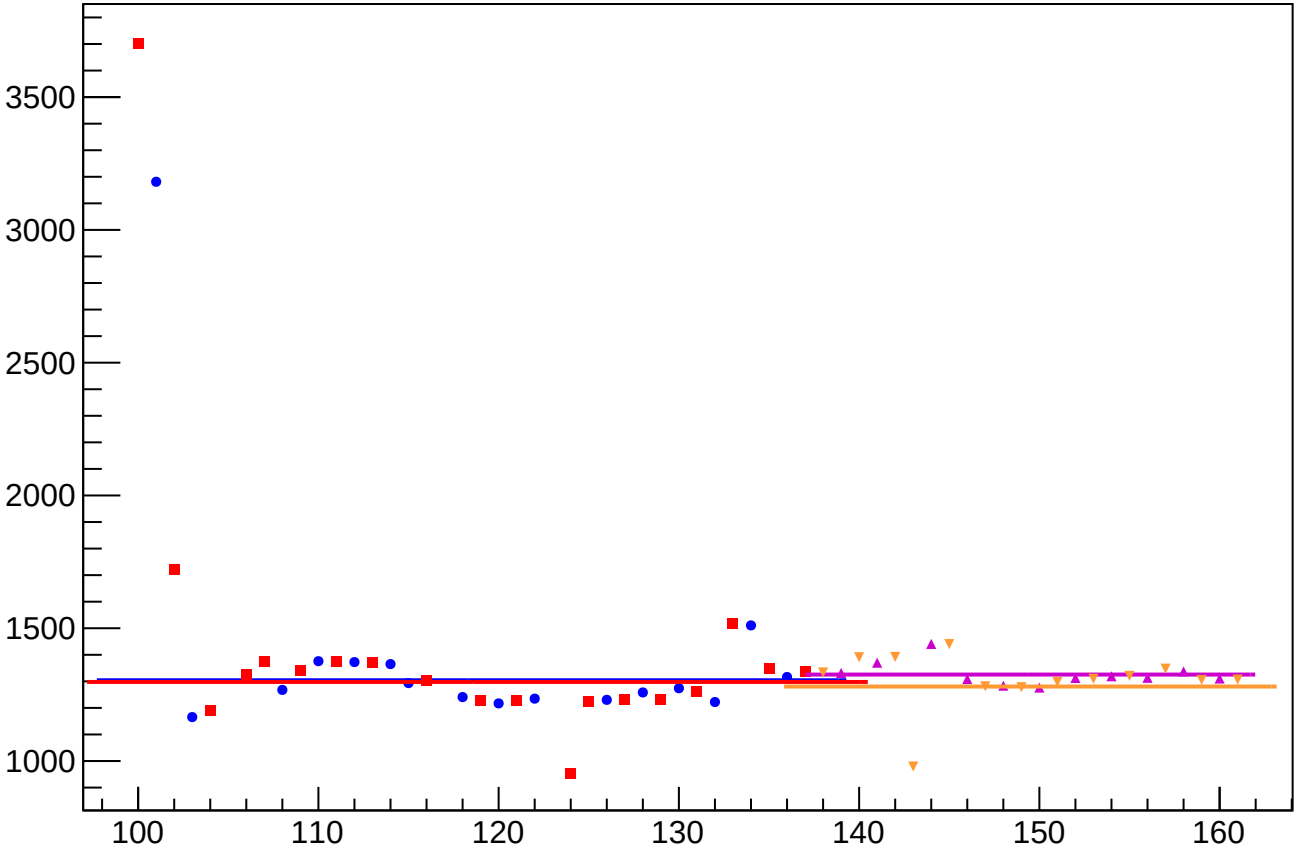
Left In: 712.705+/-428.982 χ^2/NDF:8.7/10

\+ sign 336.001+/-310.718 χ^2/NDF: 47.8/28

All: 390.038+/-223.420 χ^2/NDF: 72.3/58

\- sign 447.885+/-321.485 χ^2/NDF: 24.5/29

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1280.498+/-0.283 χ^2/NDF:201311.2/12

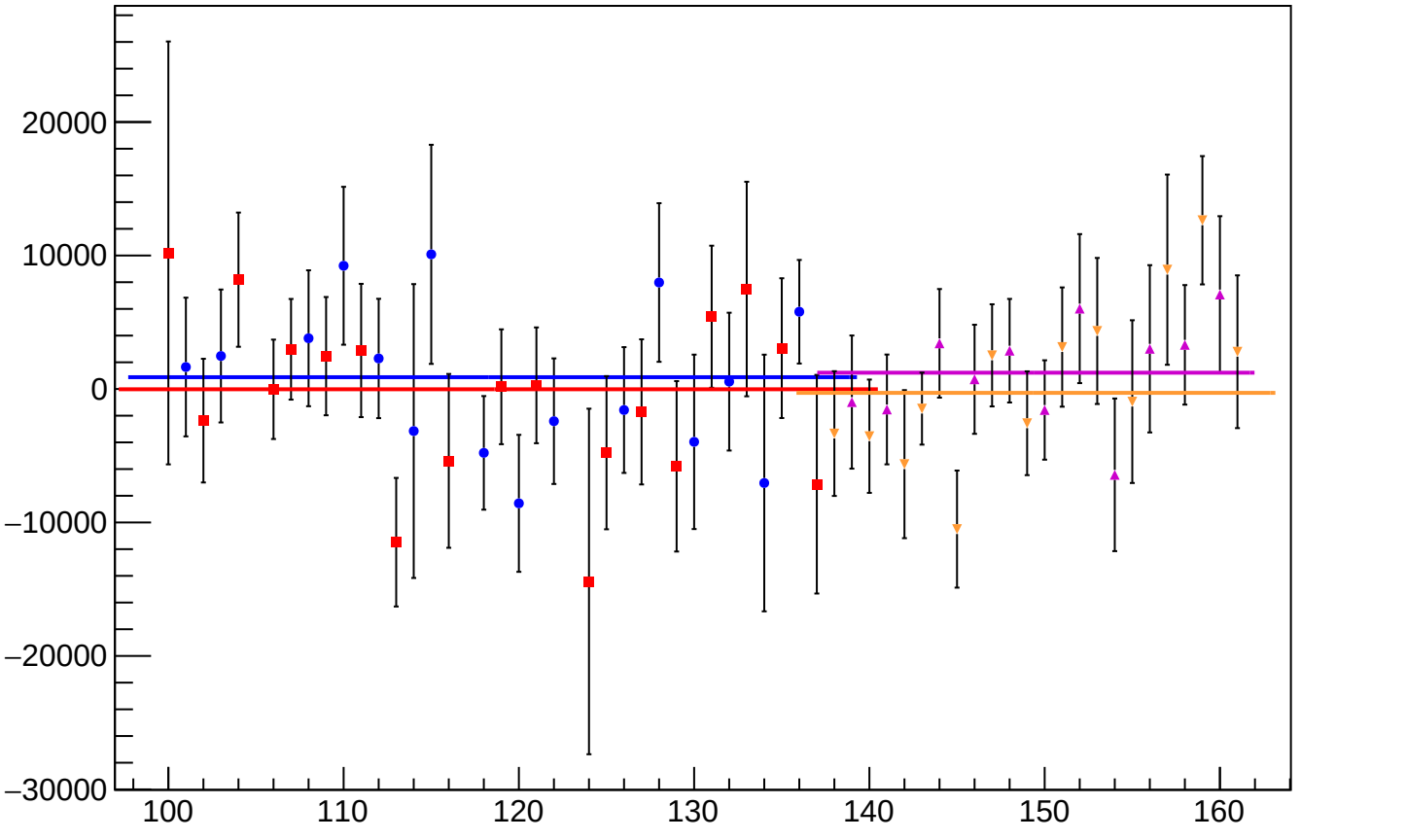
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.597+/-0.303 χ^2/NDF:18904.0/10

\+ sign 1289.829+/-0.220 χ^2/NDF: 714659.7/28

All: 1301.217+/-0.158 χ^2/NDF: 955906.4/58

\- sign 1313.400+/-0.227 χ^2/NDF: 235686.4/29



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -289.939+/-1229.495 χ^2/NDF:19.0/12

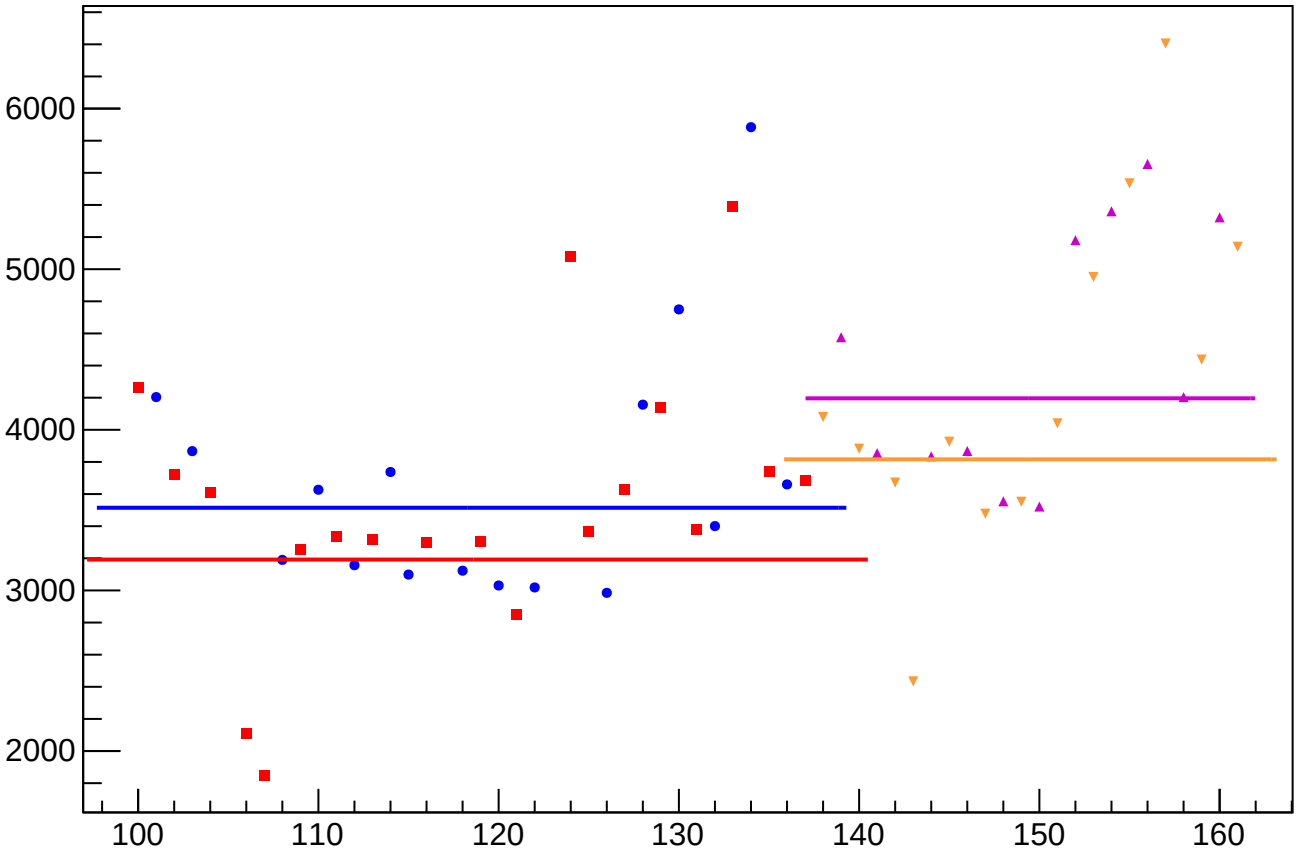
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1220.374+/-1379.867 χ^2/NDF:5.5/10

+ sign 252.173+/-902.012 χ^2/NDF: 33.5/28

All: 382.456+/-639.047 χ^2/NDF: 56.3/58

- sign 513.747+/-905.495 χ^2/NDF: 22.8/29



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3816.062+/-0.869 χ^2/NDF:1213868.5/12

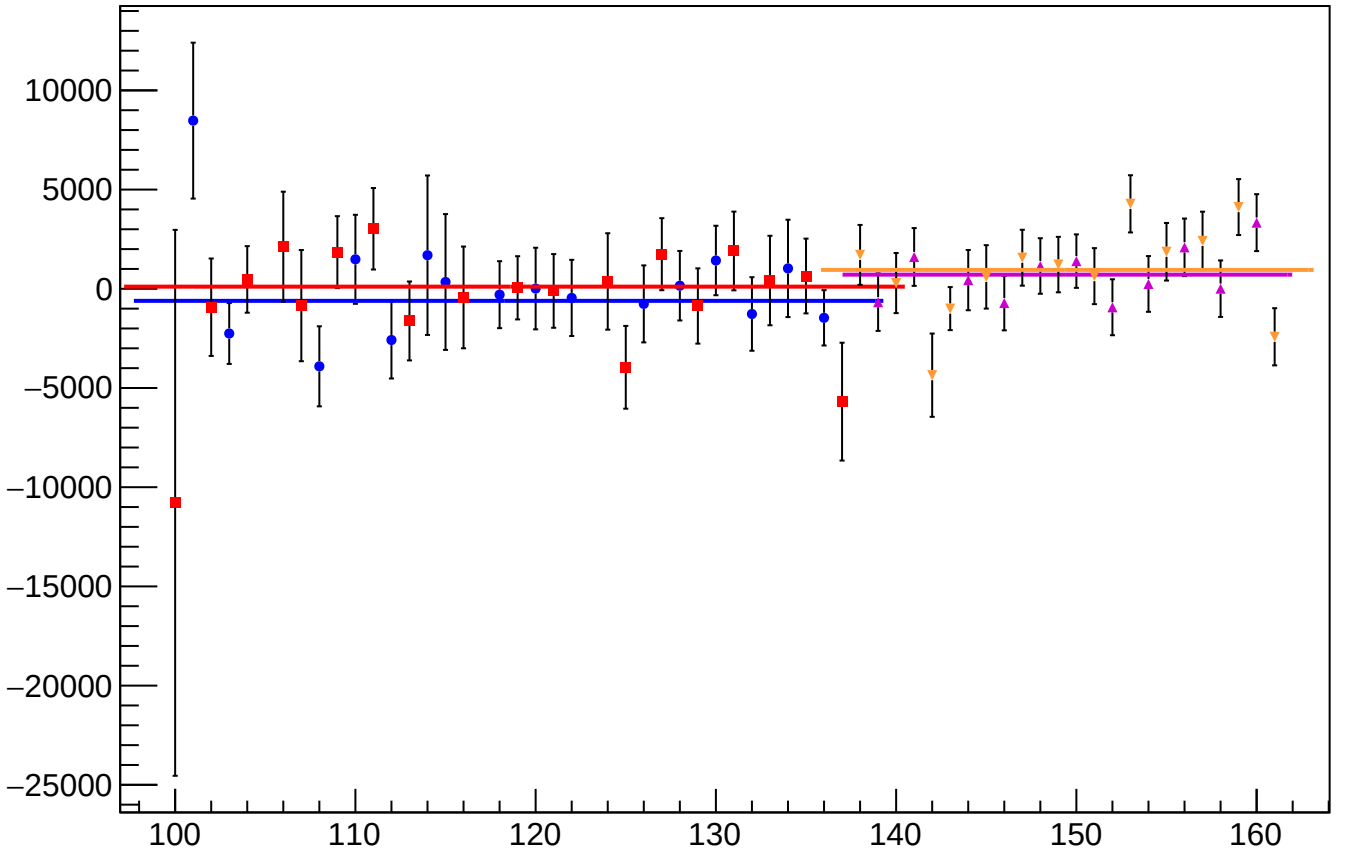
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4196.018+/-0.976 χ^2/NDF:501534.5/10

+ sign 3676.924+/-0.638 χ^2/NDF: 1644415.2/28

All: 3650.798+/-0.452 χ^2/NDF: 3524459.9/58

- sign 3624.470+/-0.640 χ^2/NDF: 1876676.0/29



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 953.079+/-399.584 χ^2/NDF:27.6/12

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

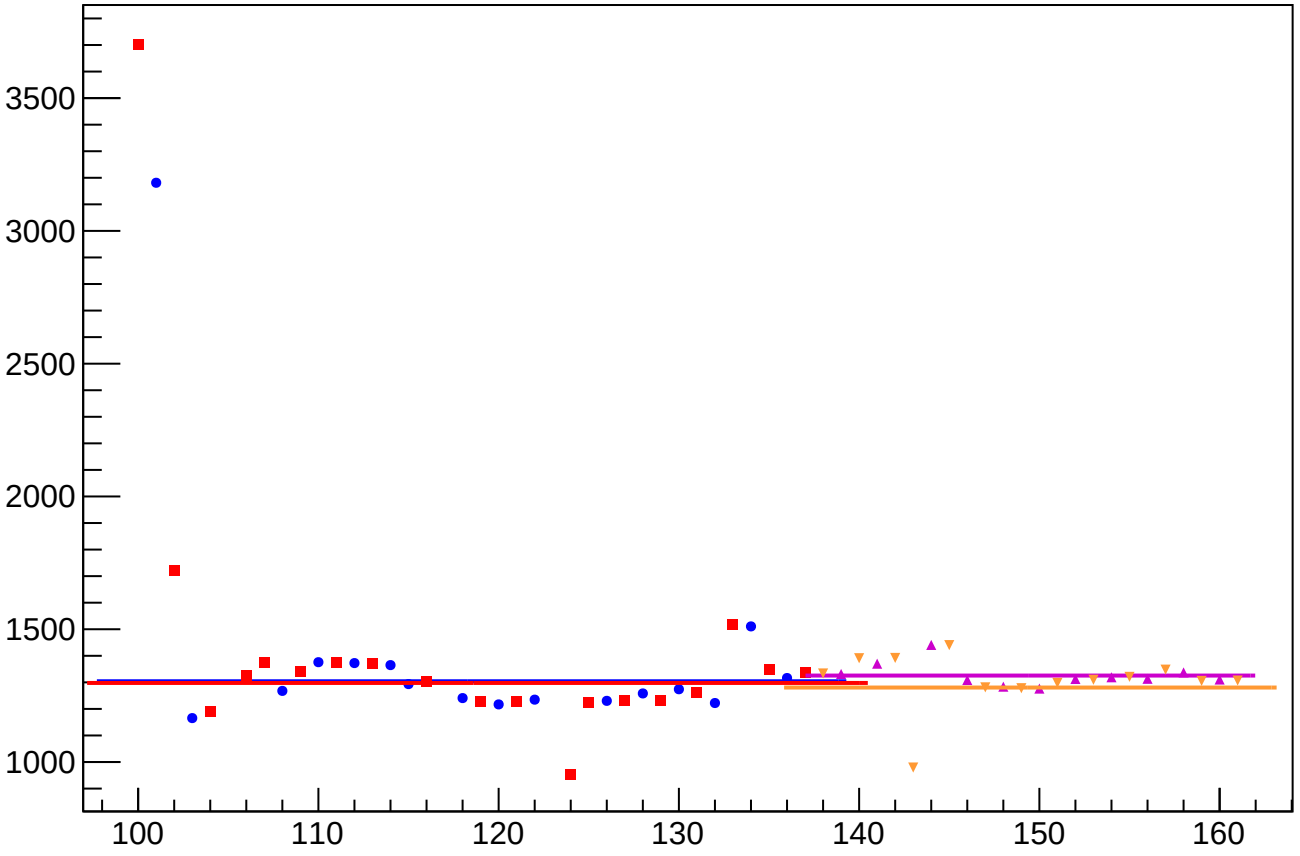
Left In: 712.706+/-428.982 χ^2/NDF:8.7/10

+ sign 336.002+/-310.718 χ^2/NDF: 47.8/28

All: 390.040+/-223.421 χ^2/NDF: 72.3/58

- sign 447.887+/-321.485 χ^2/NDF: 24.5/29

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: 1280.499+/-0.283 χ^2/NDF:201311.8/12

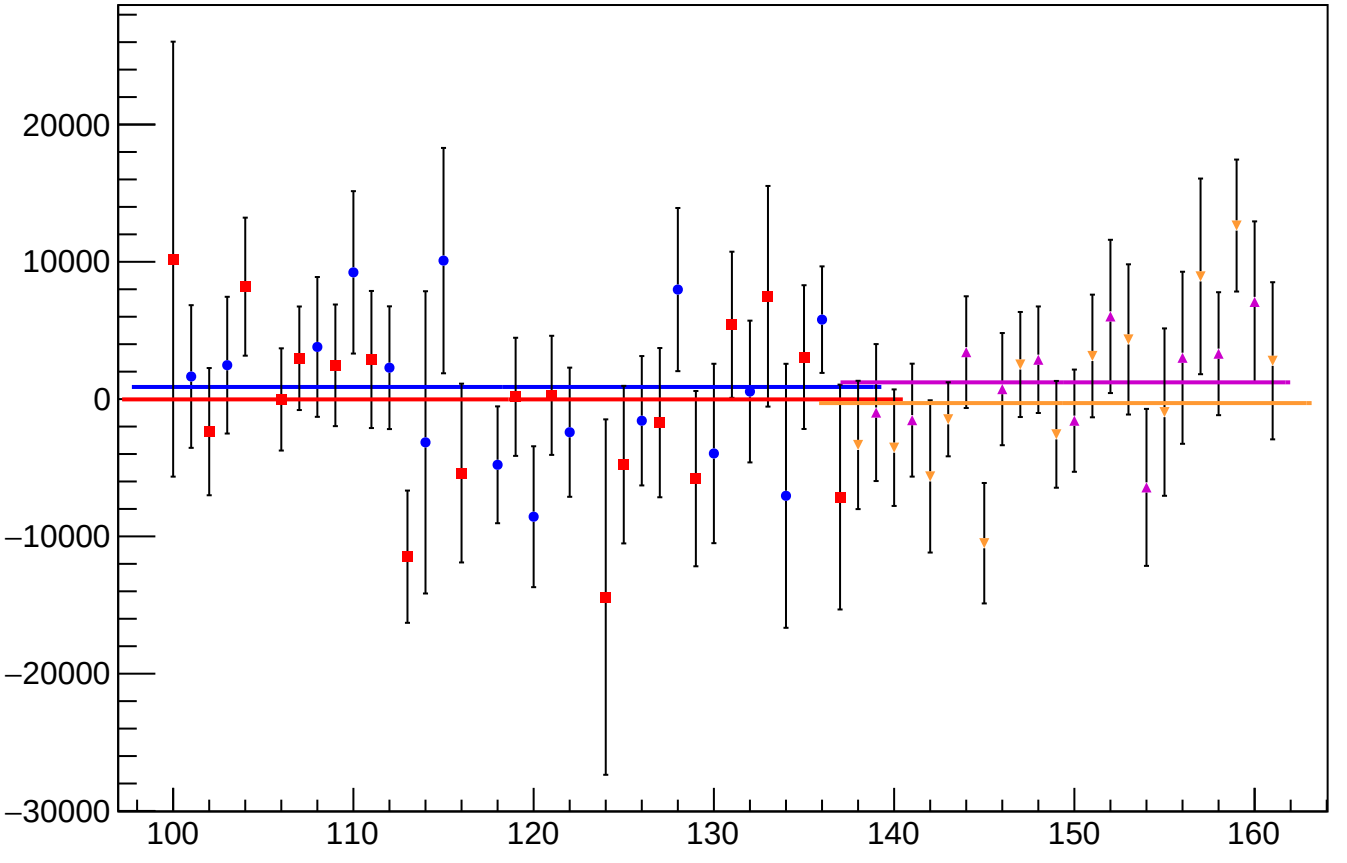
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.598+/-0.303 χ^2/NDF:18904.1/10

+ sign 1289.830+/-0.220 χ^2/NDF: 714660.1/28

All: 1301.218+/-0.158 χ^2/NDF: 955907.2/58

- sign 1313.400+/-0.227 χ^2/NDF: 235686.9/29



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -289.936+/-1229.497 χ^2/NDF:19.0/12

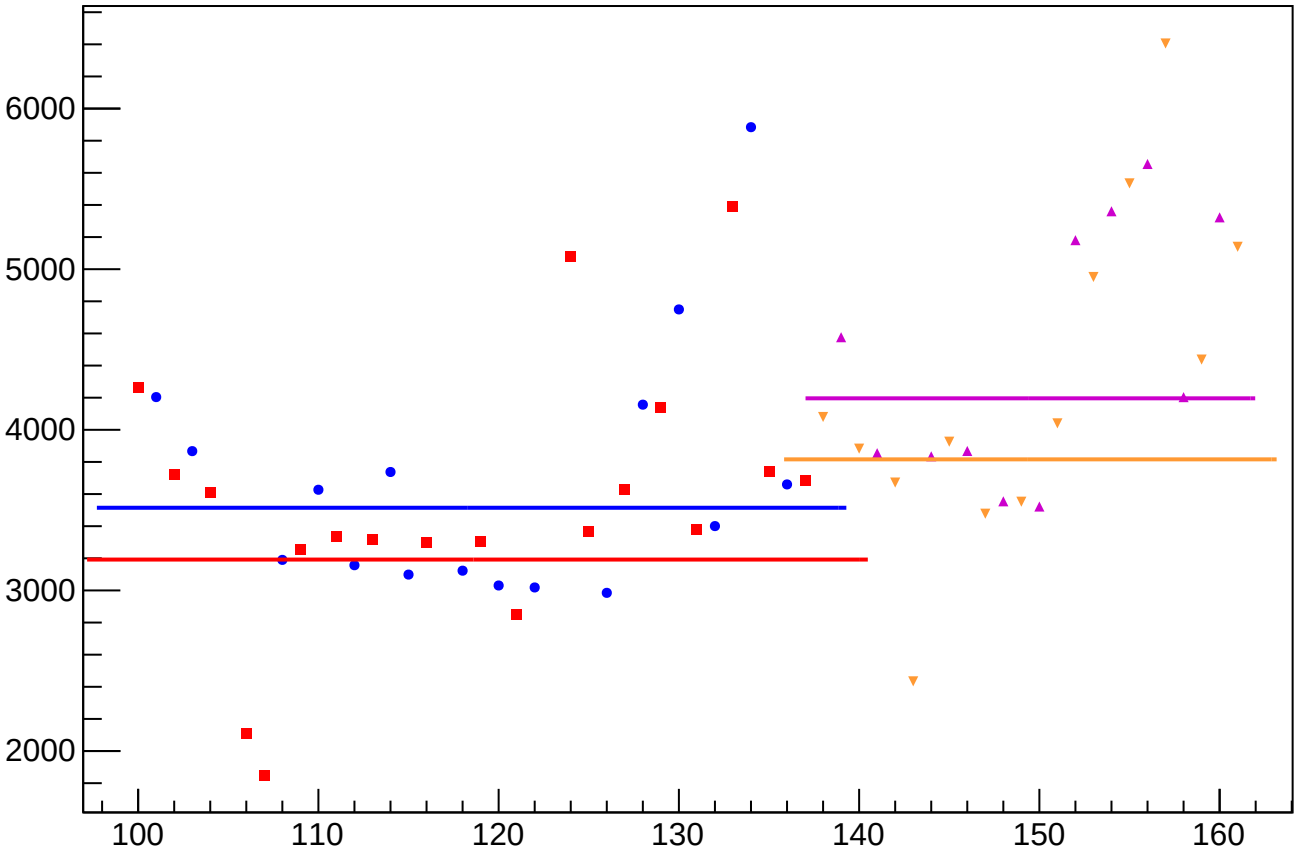
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1220.374+/-1379.869 χ^2/NDF:5.5/10

\+ sign 252.172+/-902.012 χ^2/NDF: 33.5/28

All: 382.455+/-639.046 χ^2/NDF: 56.3/58

\- sign 513.747+/-905.495 χ^2/NDF: 22.8/29



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3816.067+/-0.869 χ^2/NDF:1213868.3/12

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

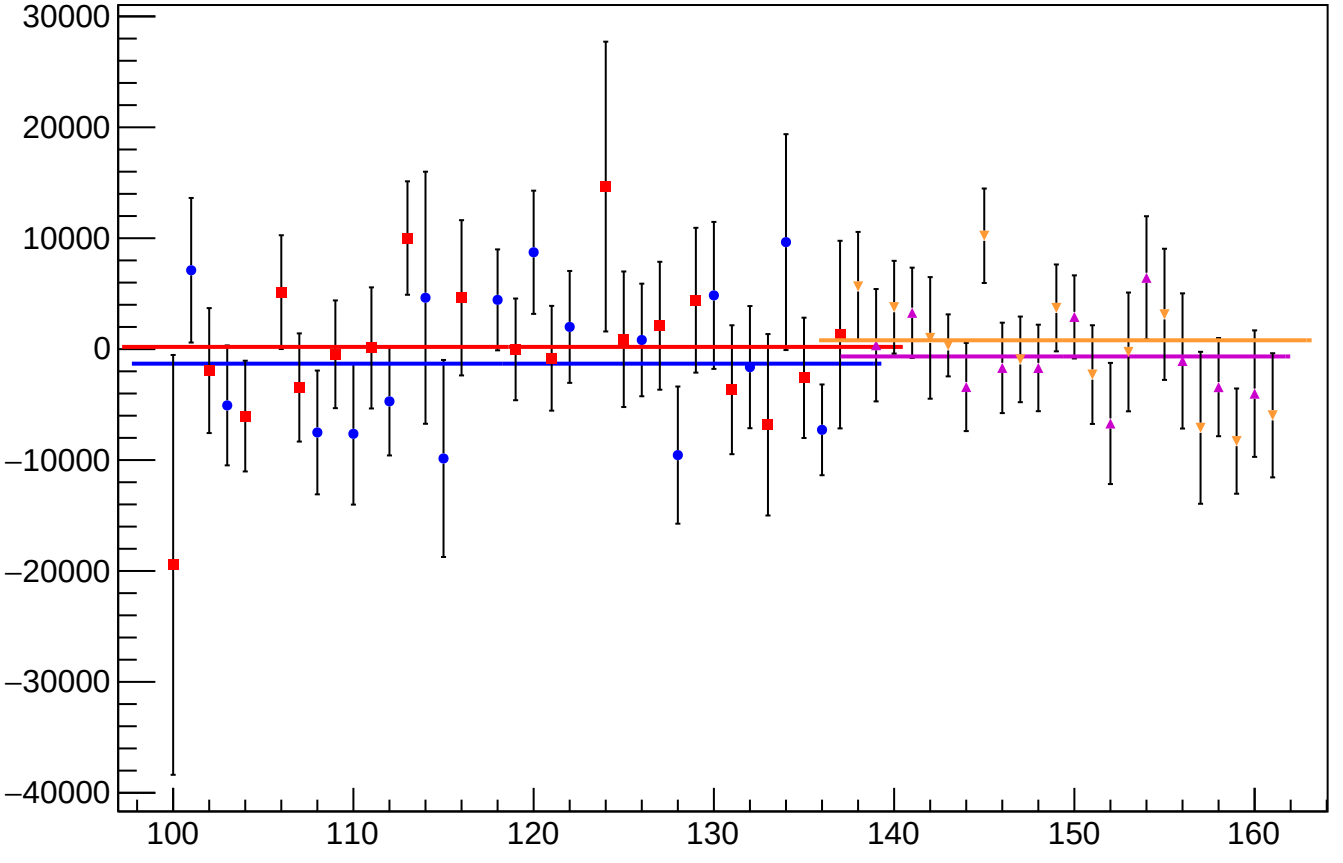
Left In: 4196.024+/-0.976 χ^2/NDF:501534.8/10

+ sign 3676.922+/-0.638 χ^2/NDF: 1644424.6/28

All: 3650.795+/-0.452 χ^2/NDF: 3524488.4/58

- sign 3624.466+/-0.640 χ^2/NDF: 1876694.8/29

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 799.201+/-1231.815 χ^2/NDF:14.3/12

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

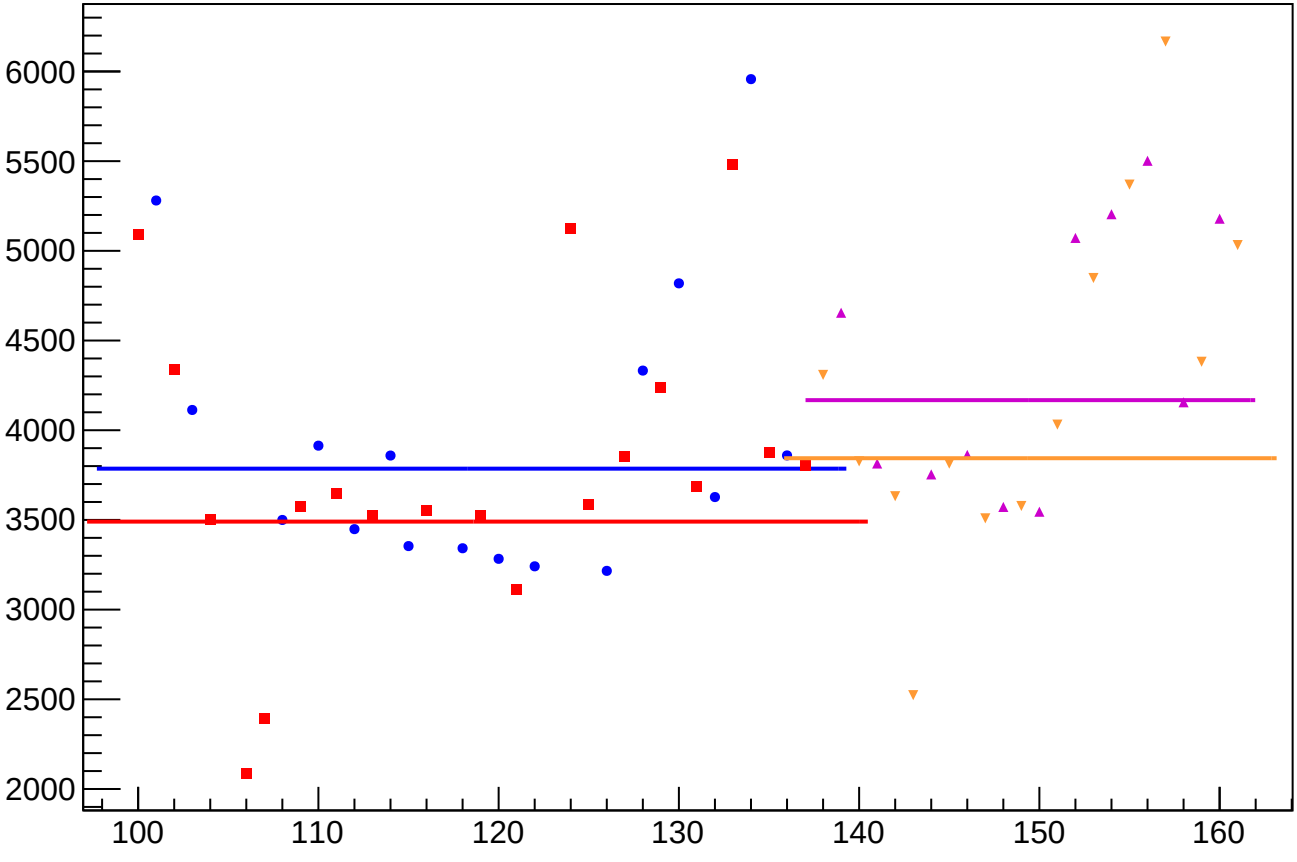
Left In: -659.186+/-1367.707 χ^2/NDF:6.1/10

+ sign -97.778+/-933.744 χ^2/NDF: 33.1/28

All: -156.843+/-667.895 χ^2/NDF: 51.1/58

- sign -218.723+/-955.730 χ^2/NDF: 17.9/29

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3843.968+/-0.871 χ^2/NDF:1044847.1/12

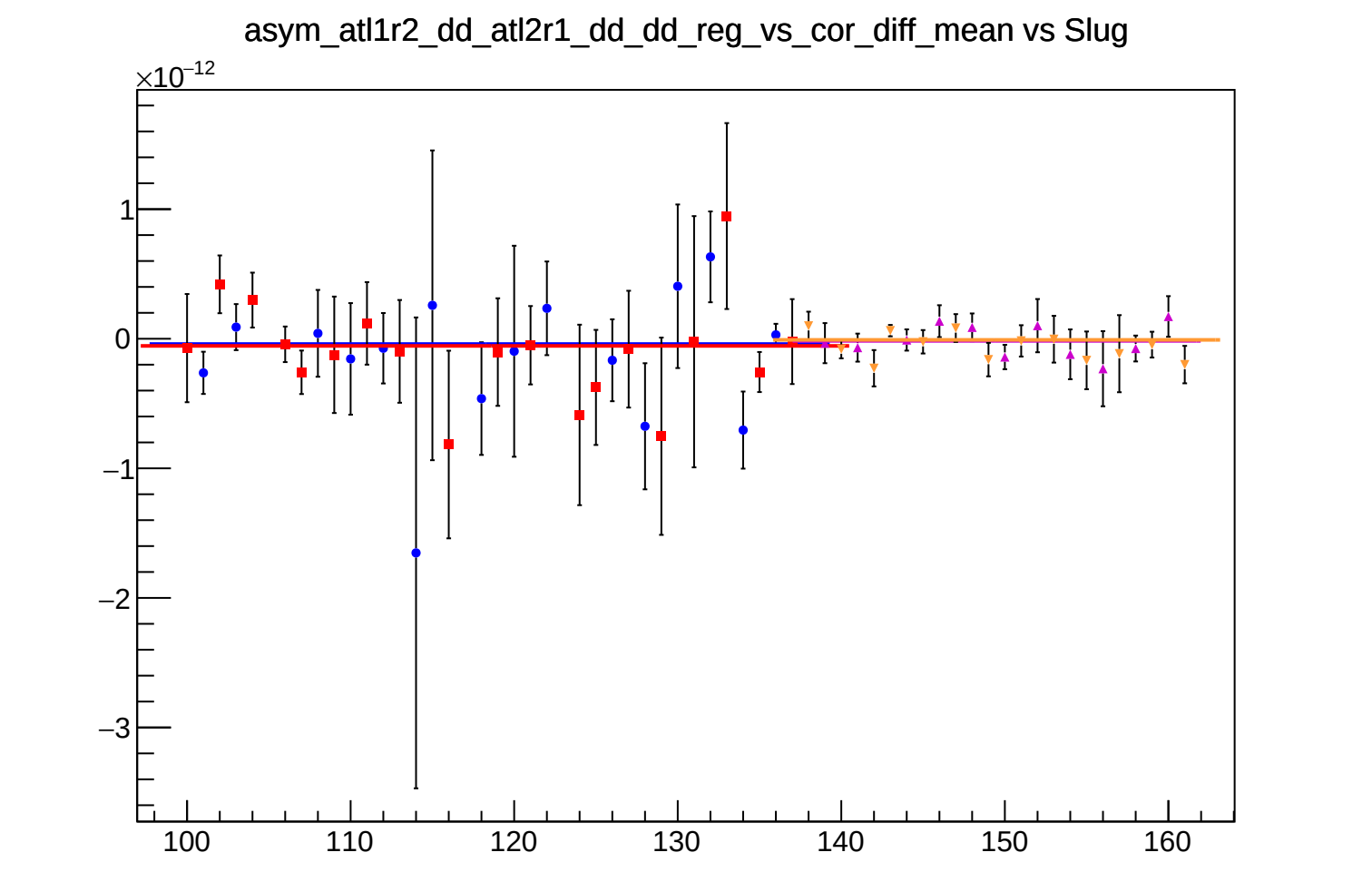
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4167.729+/-0.967 χ^2/NDF:451630.3/10

\+ sign 3819.212+/-0.660 χ^2/NDF: 1429738.8/28

All: 3817.929+/-0.471 χ^2/NDF: 2722287.6/58

\- sign 3816.605+/-0.671 χ^2/NDF: 1292541.1/29



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/12

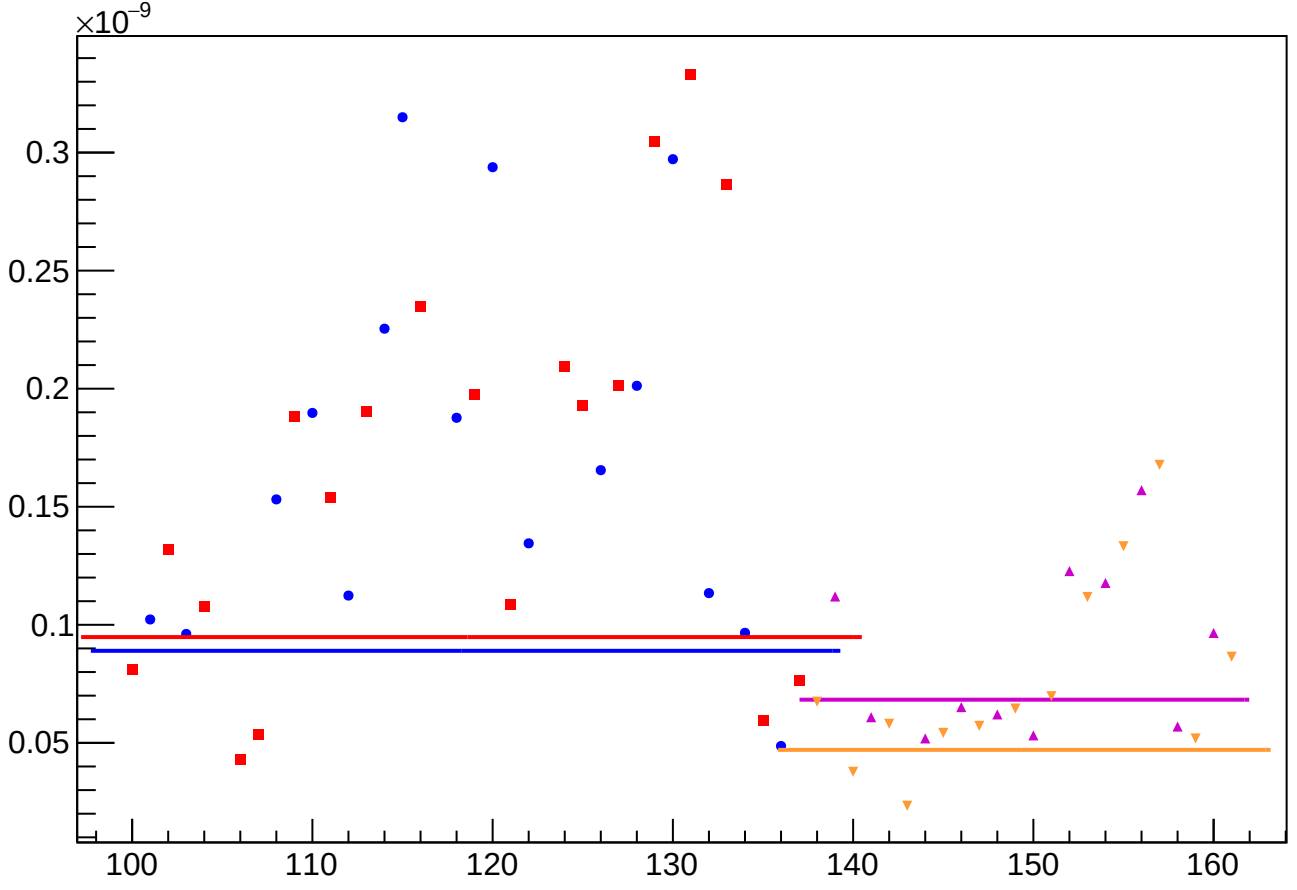
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 28.6/28

All: -0.000+/-0.000 χ^2/NDF: 52.3/58

- sign -0.000+/-0.000 χ^2/NDF: 23.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1873666.5/12

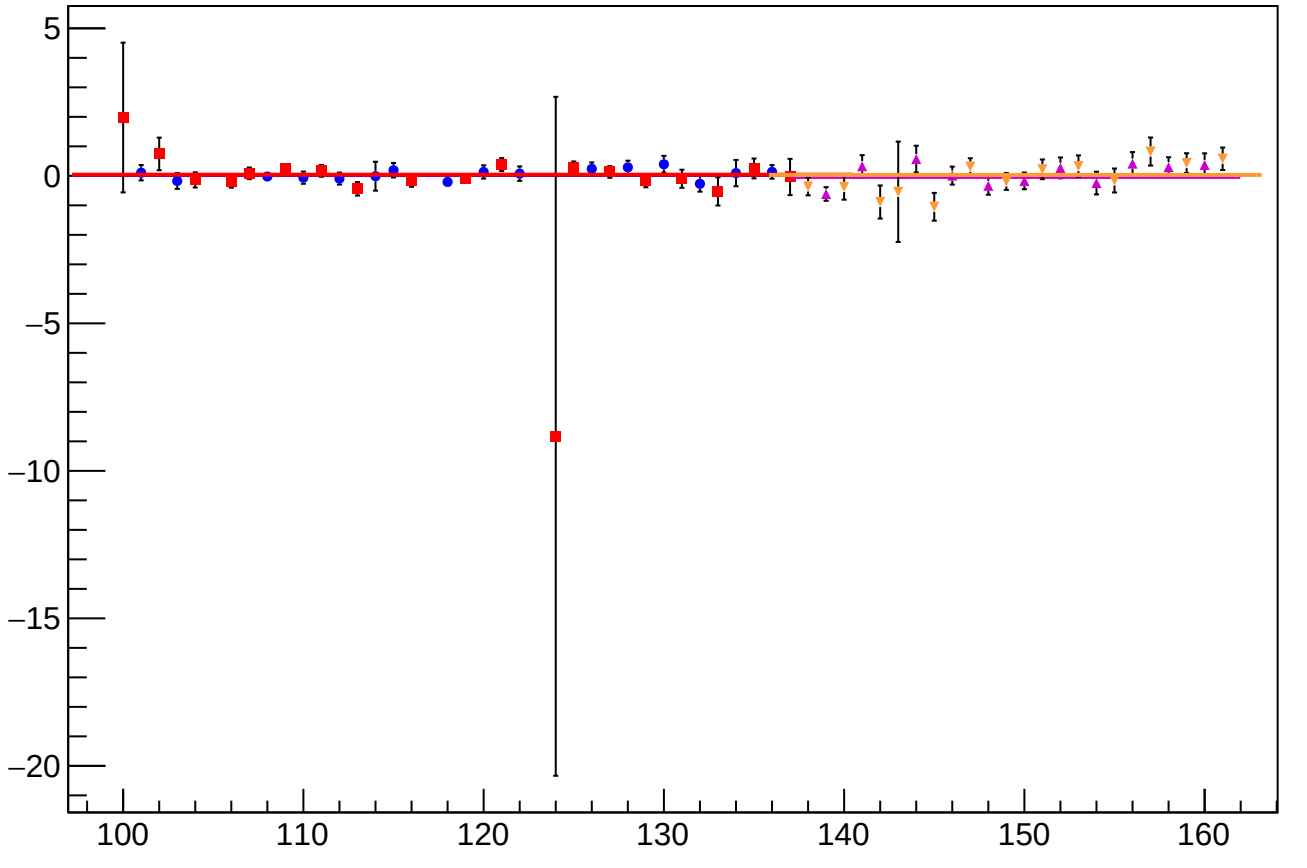
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:859505.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 4173240.7/28

All: 0.000+/-0.000 χ^2/NDF: 7558372.6/58

- sign 0.000+/-0.000 χ^2/NDF: 2852886.1/29



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.031+/-0.105 χ^2/NDF:19.6/12

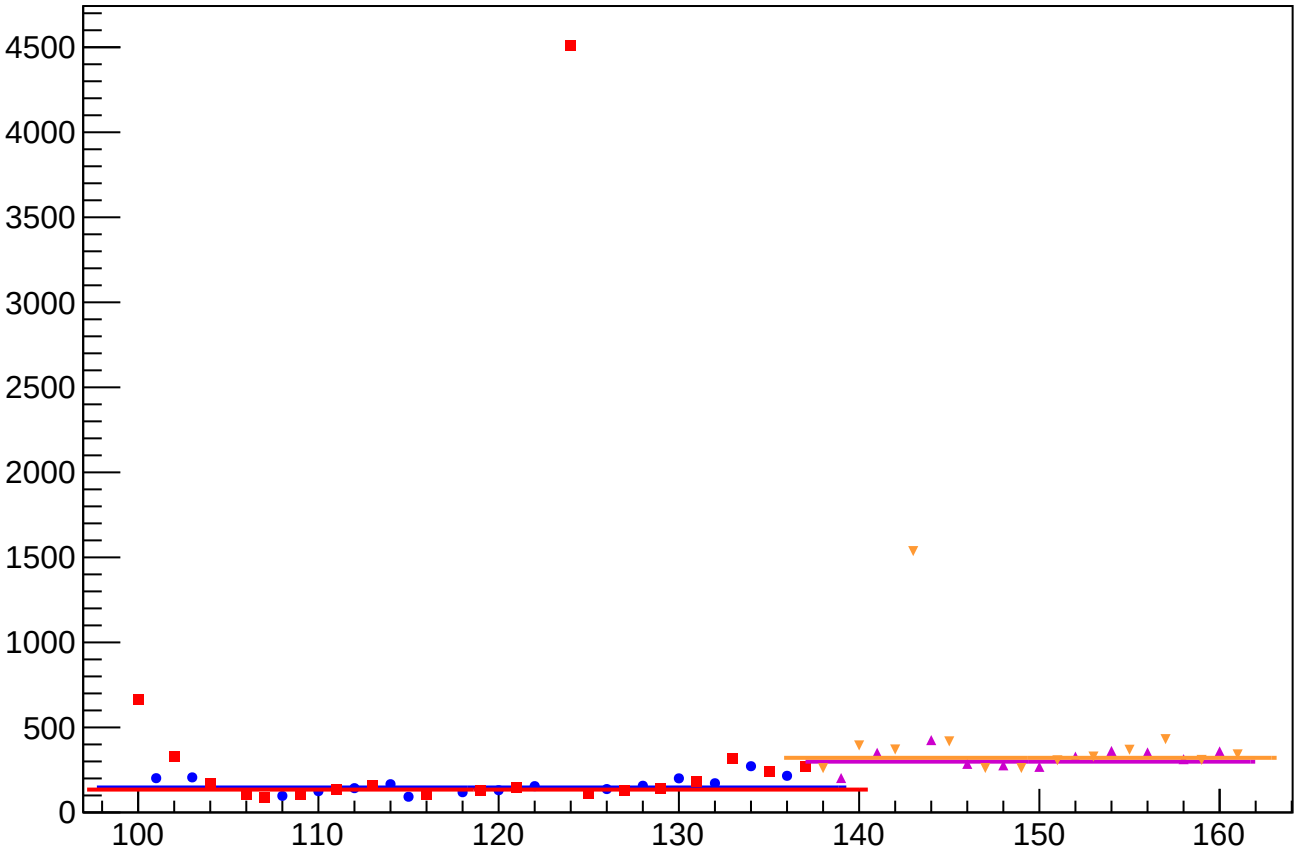
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.029+/-0.051 χ^2/NDF: 29.1/28

All: 0.025+/-0.035 χ^2/NDF: 64.0/58

- sign 0.022+/-0.048 χ^2/NDF: 35.0/29



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.299+/-0.074 χ^2/NDF:1579950.4/12

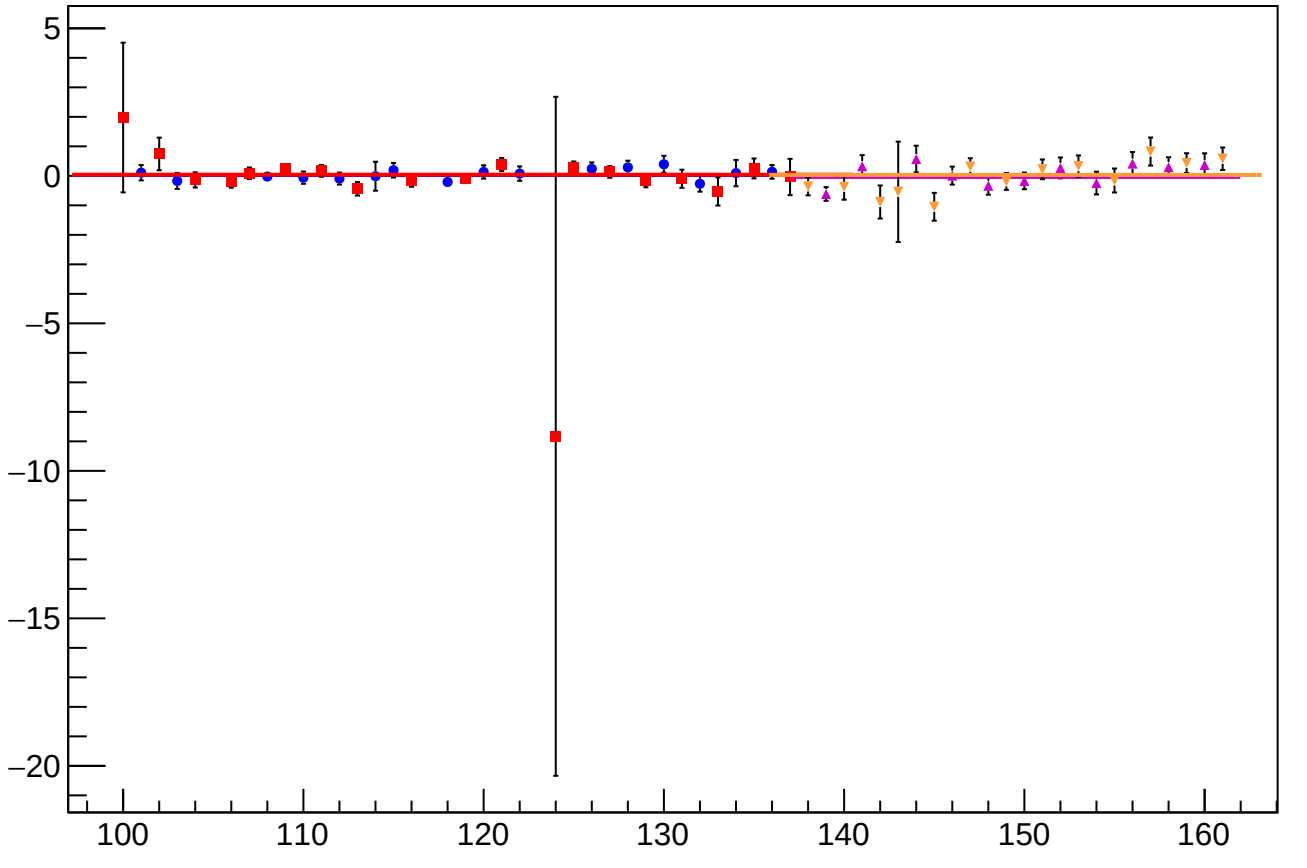
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

+ sign 187.530+/-0.036 χ^2/NDF: 6844121.9/28

All: 179.740+/-0.025 χ^2/NDF: 13456311.0/58

- sign 172.714+/-0.034 χ^2/NDF: 6521770.3/29



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.031+/-0.105 χ^2/NDF:19.6/12

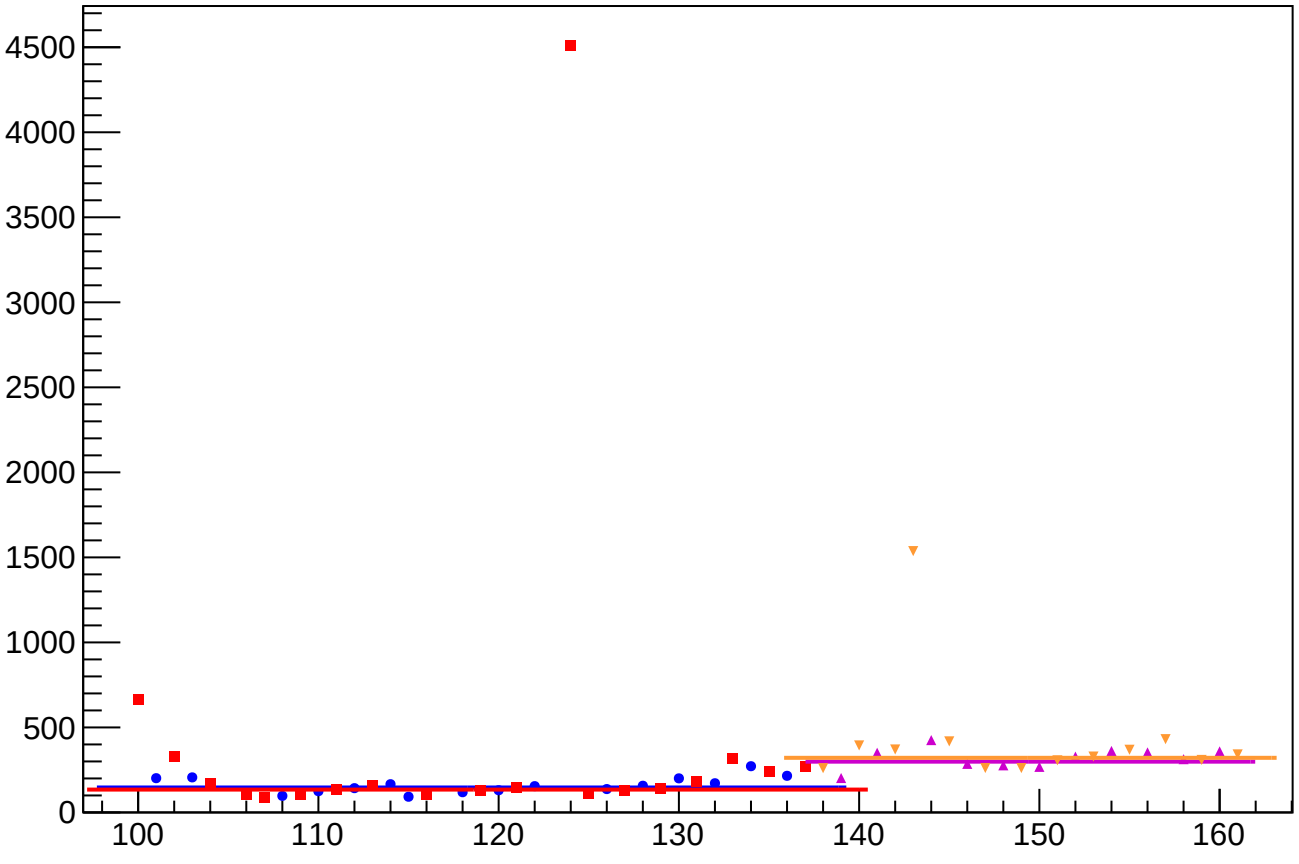
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.029+/-0.051 χ^2/NDF: 29.1/28

All: 0.025+/-0.035 χ^2/NDF: 64.0/58

- sign 0.022+/-0.048 χ^2/NDF: 35.0/29



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.299+/-0.074 χ^2/NDF:1579950.4/12

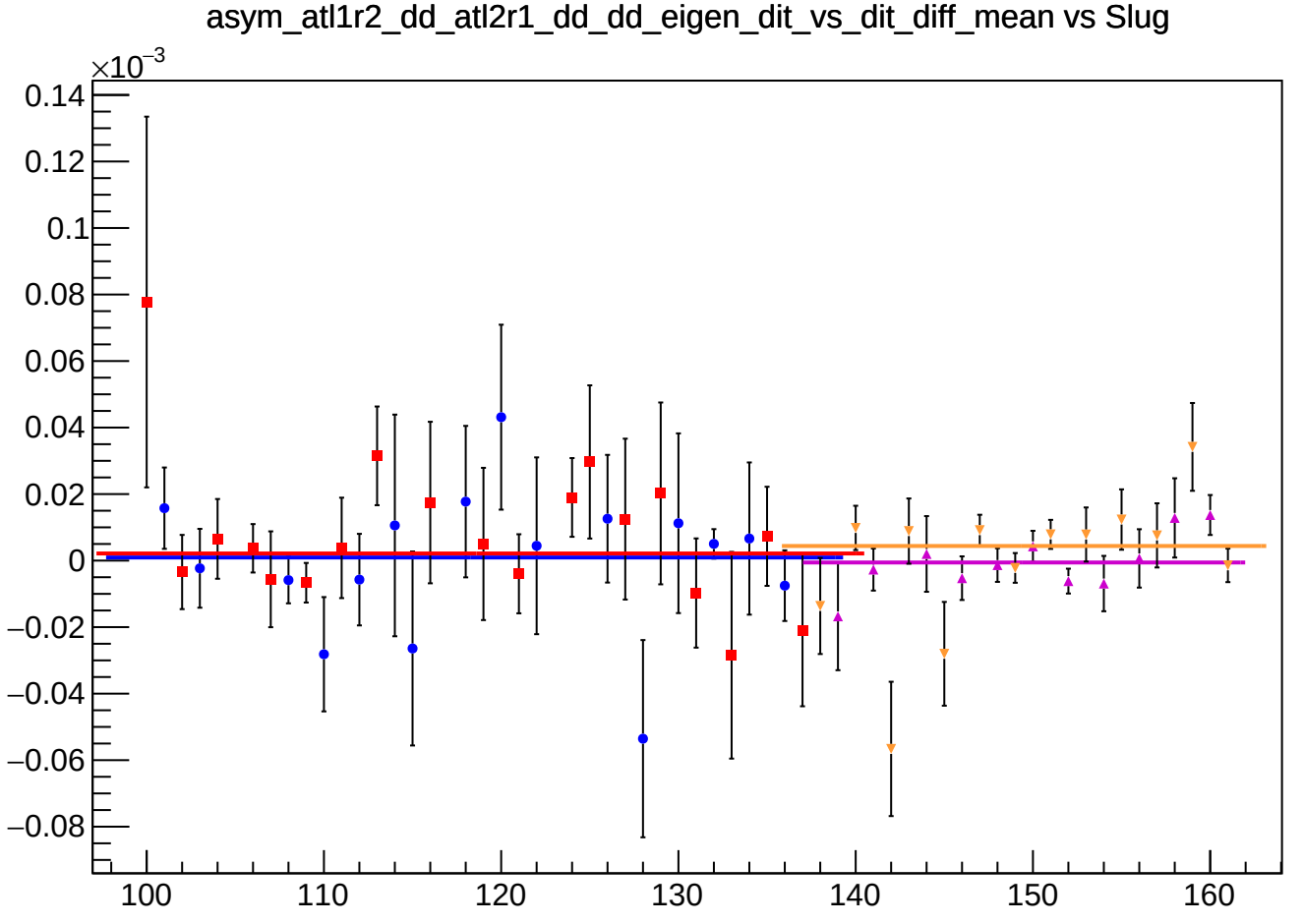
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

+ sign 187.530+/-0.036 χ^2/NDF: 6844121.9/28

All: 179.740+/-0.025 χ^2/NDF: 13456311.0/58

- sign 172.714+/-0.034 χ^2/NDF: 6521770.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/12

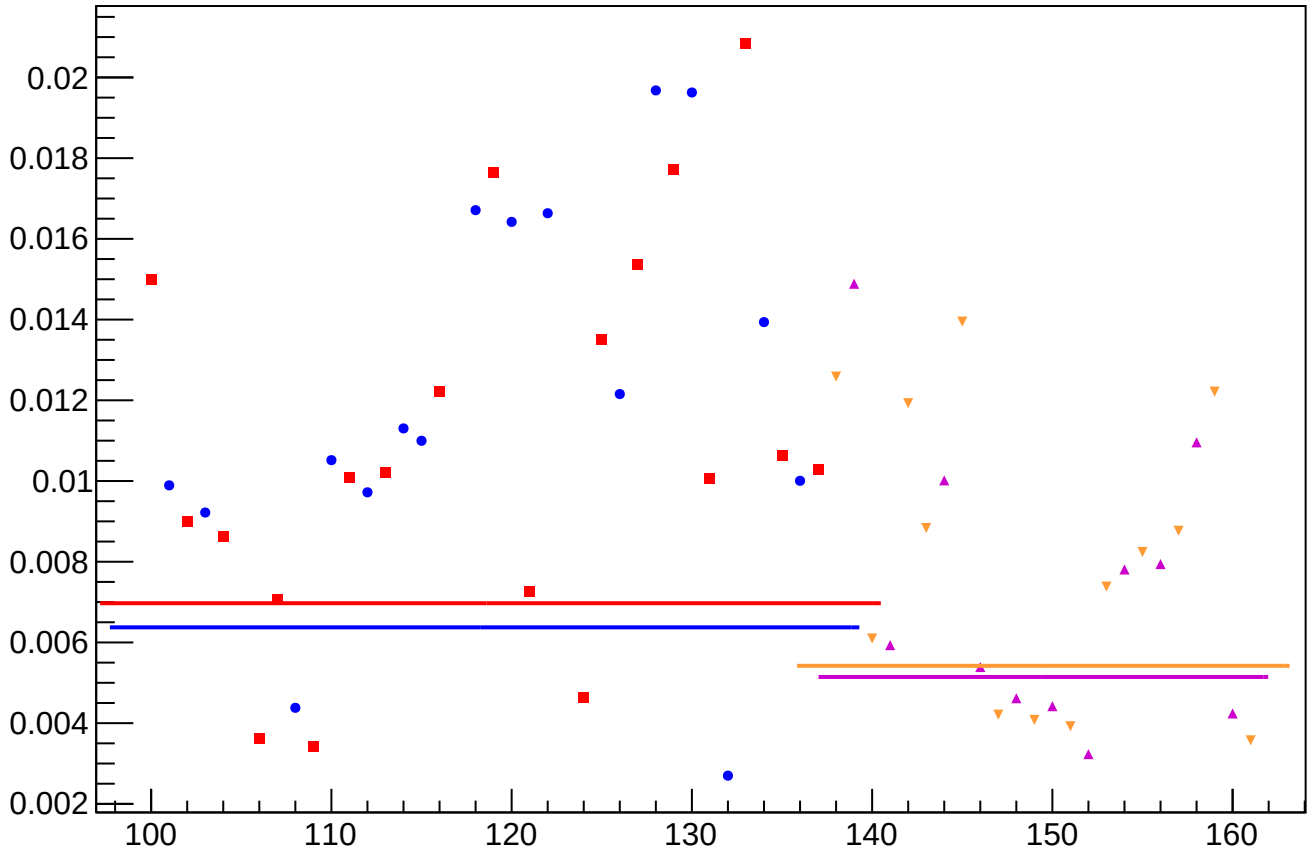
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 43.1/28

All: 0.000+/-0.000 χ^2/NDF: 74.2/58

- sign 0.000+/-0.000 χ^2/NDF: 29.2/29



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:3461386.7/12

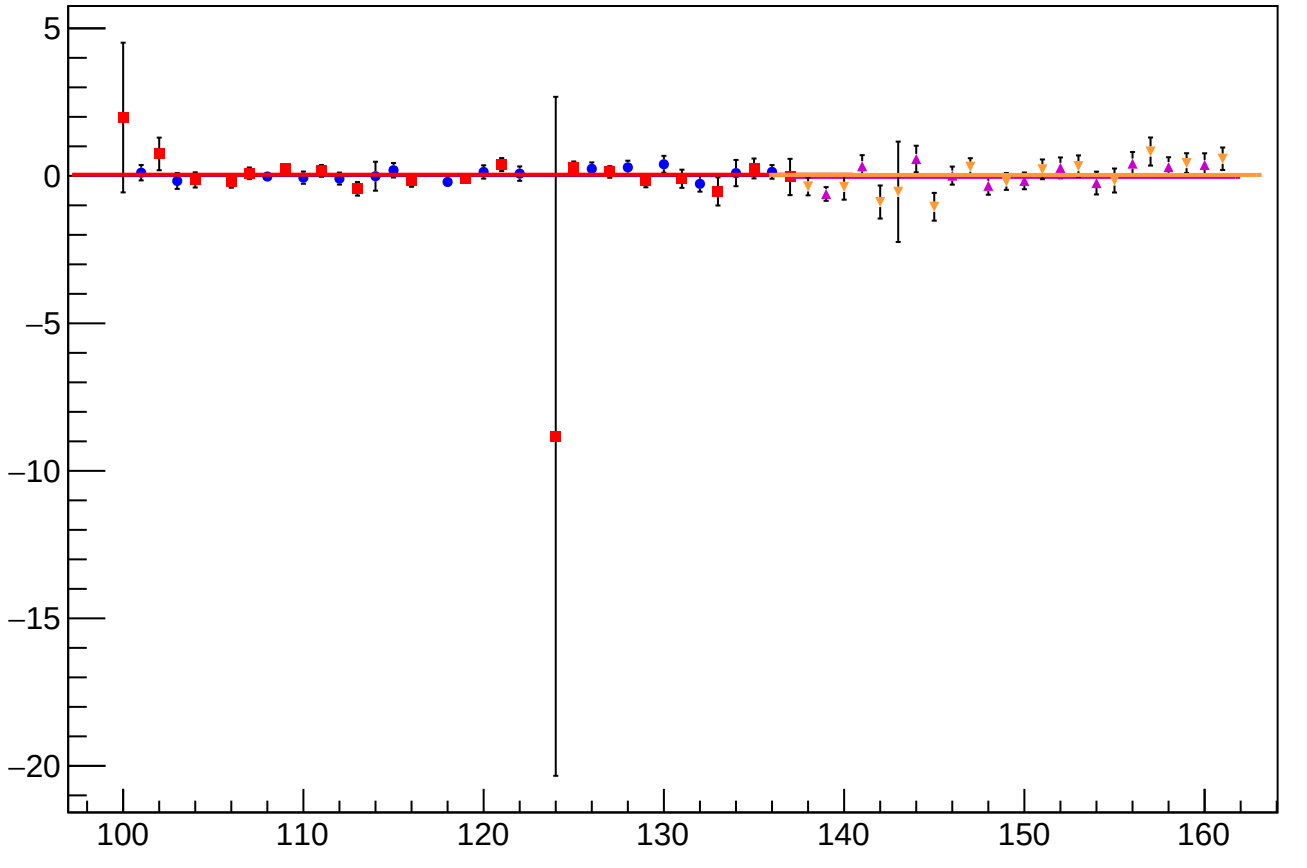
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2648124.2/10

+ sign 0.006+/-0.000 χ^2/NDF: 8250365.9/28

All: 0.006+/-0.000 χ^2/NDF: 14835992.4/58

- sign 0.006+/-0.000 χ^2/NDF: 6584941.5/29



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.031+/-0.105 χ^2/NDF:19.6/12

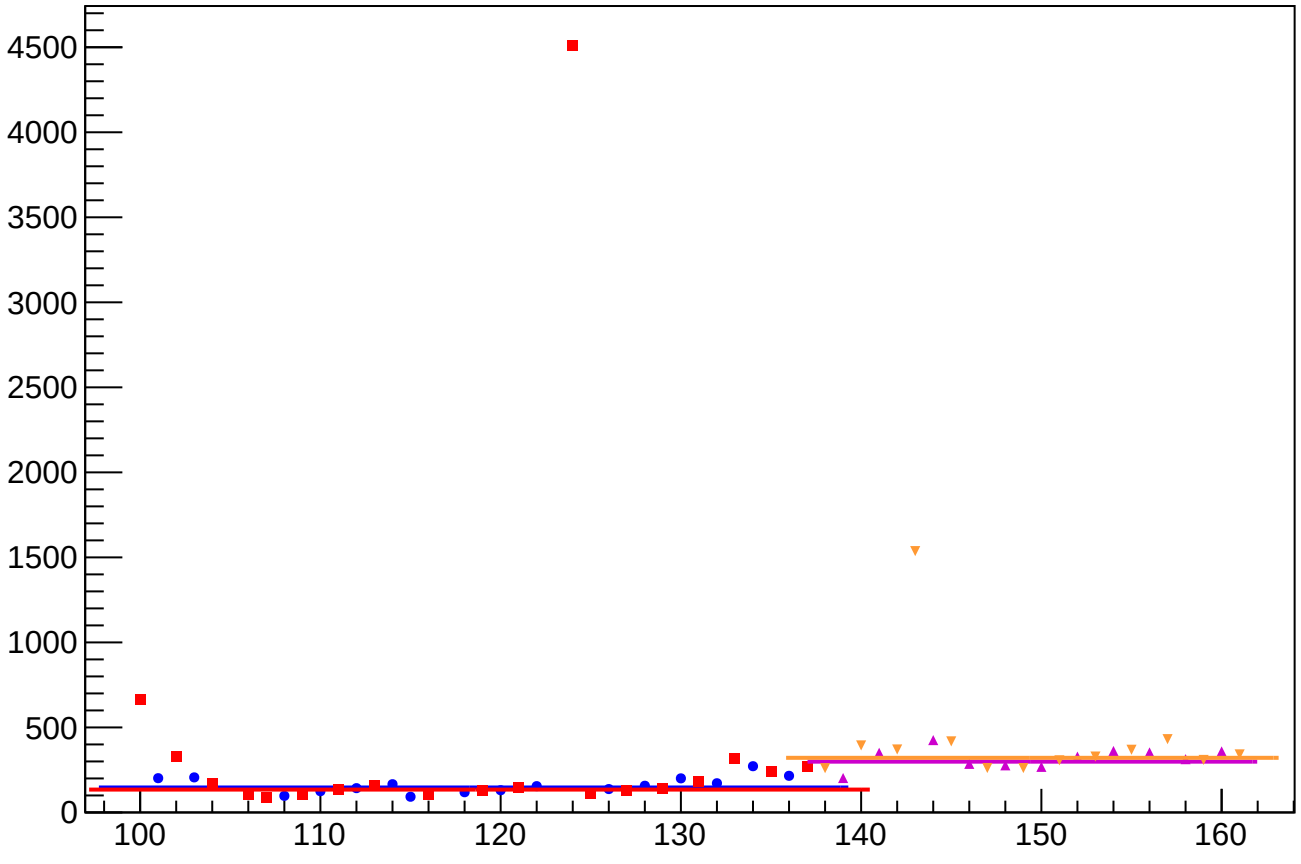
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.029+/-0.051 χ^2/NDF: 29.1/28

All: 0.025+/-0.035 χ^2/NDF: 64.0/58

- sign 0.022+/-0.048 χ^2/NDF: 35.0/29



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.303+/-0.074 χ^2/NDF:1579953.2/12

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

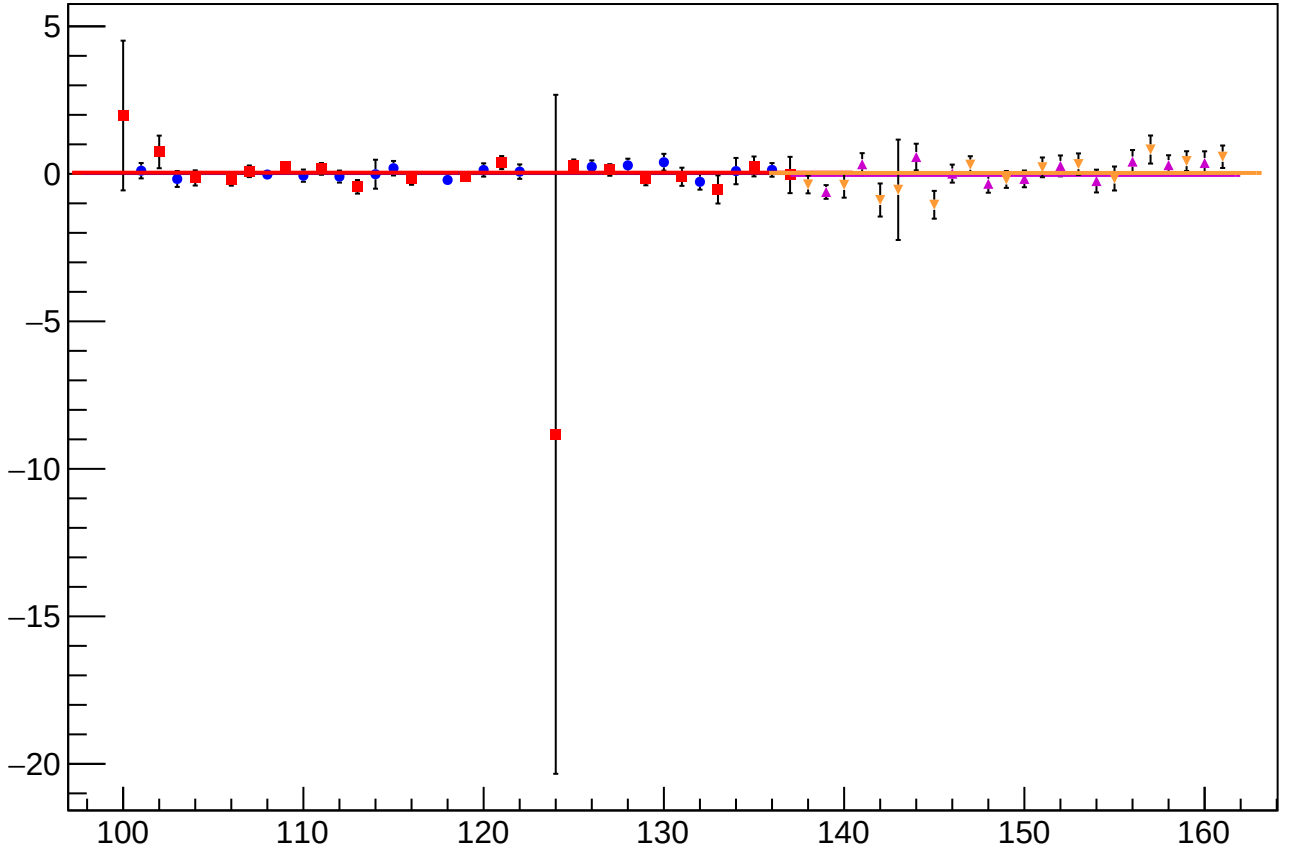
Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

+ sign 187.530+/-0.036 χ^2/NDF: 6844182.6/28

All: 179.741+/-0.025 χ^2/NDF: 13456304.9/58

- sign 172.715+/-0.034 χ^2/NDF: 6521723.3/29

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.031+/-0.105 χ^2/NDF:19.6/12

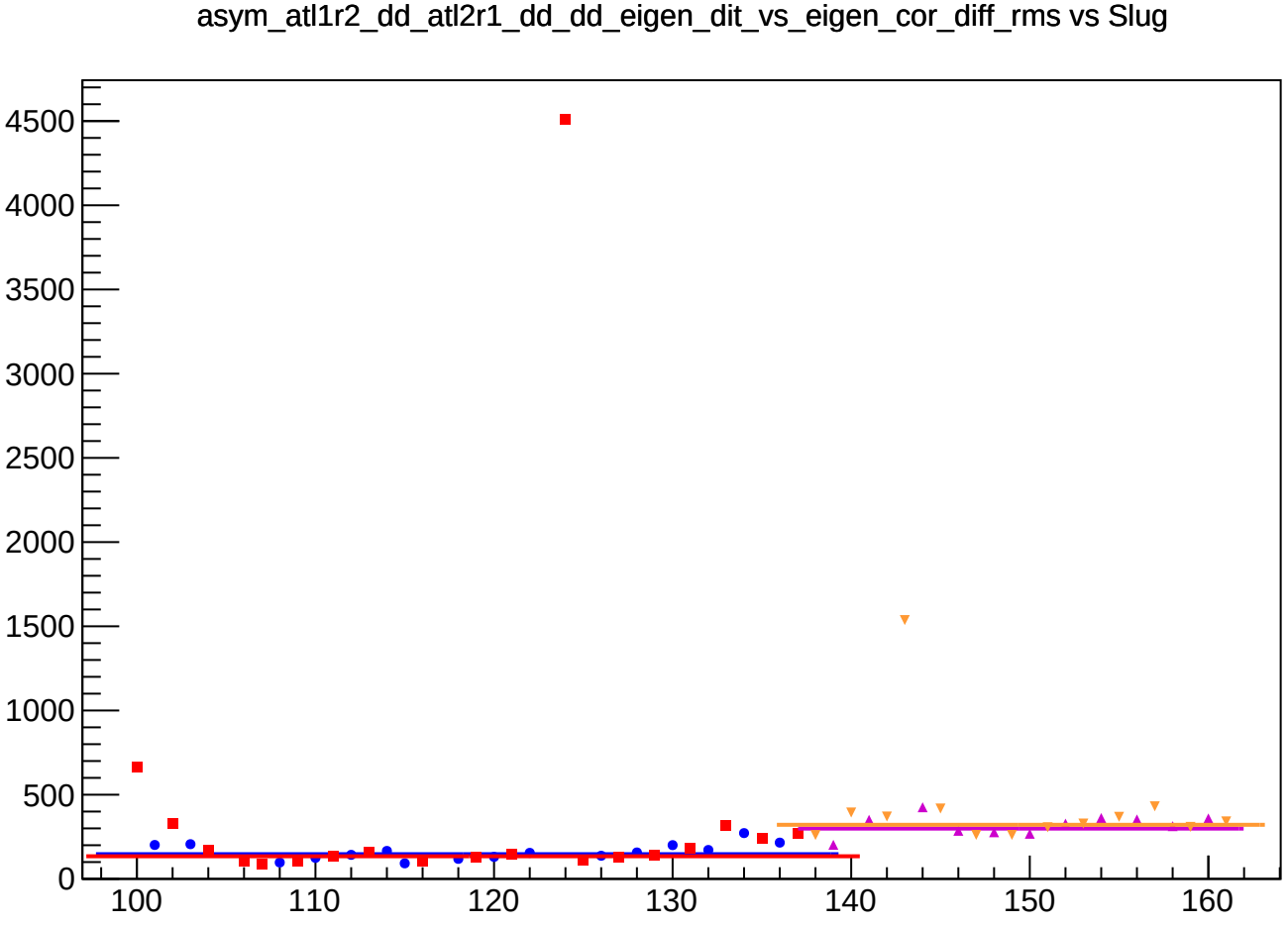
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.029+/-0.051 χ^2/NDF: 29.1/28

All: 0.025+/-0.035 χ^2/NDF: 64.0/58

- sign 0.022+/-0.048 χ^2/NDF: 35.0/29



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 321.303+/-0.074 χ^2/NDF:1579953.2/12

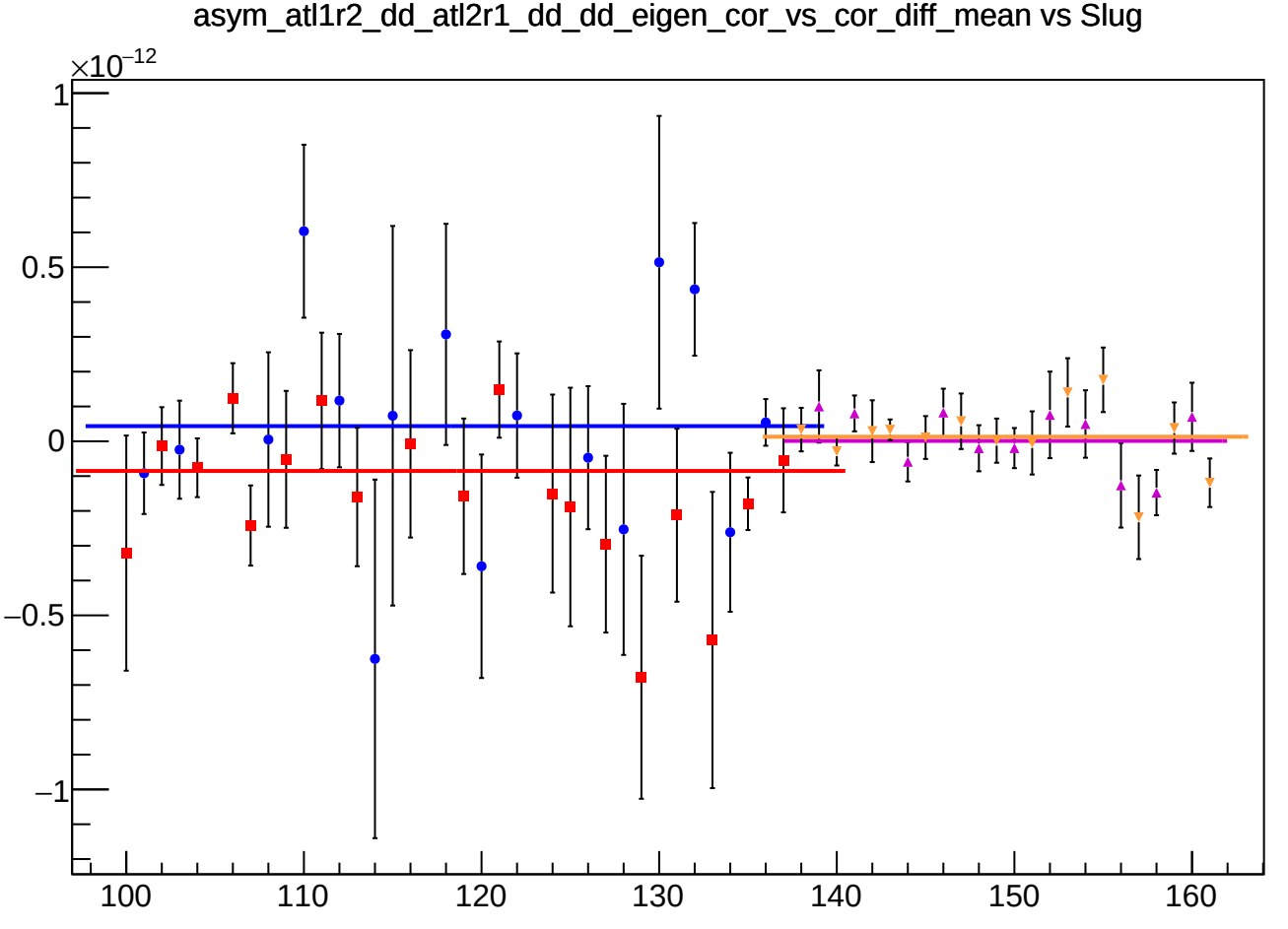
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

+ sign 187.530+/-0.036 χ^2/NDF: 6844182.6/28

All: 179.741+/-0.025 χ^2/NDF: 13456304.9/58

- sign 172.715+/-0.034 χ^2/NDF: 6521723.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/12

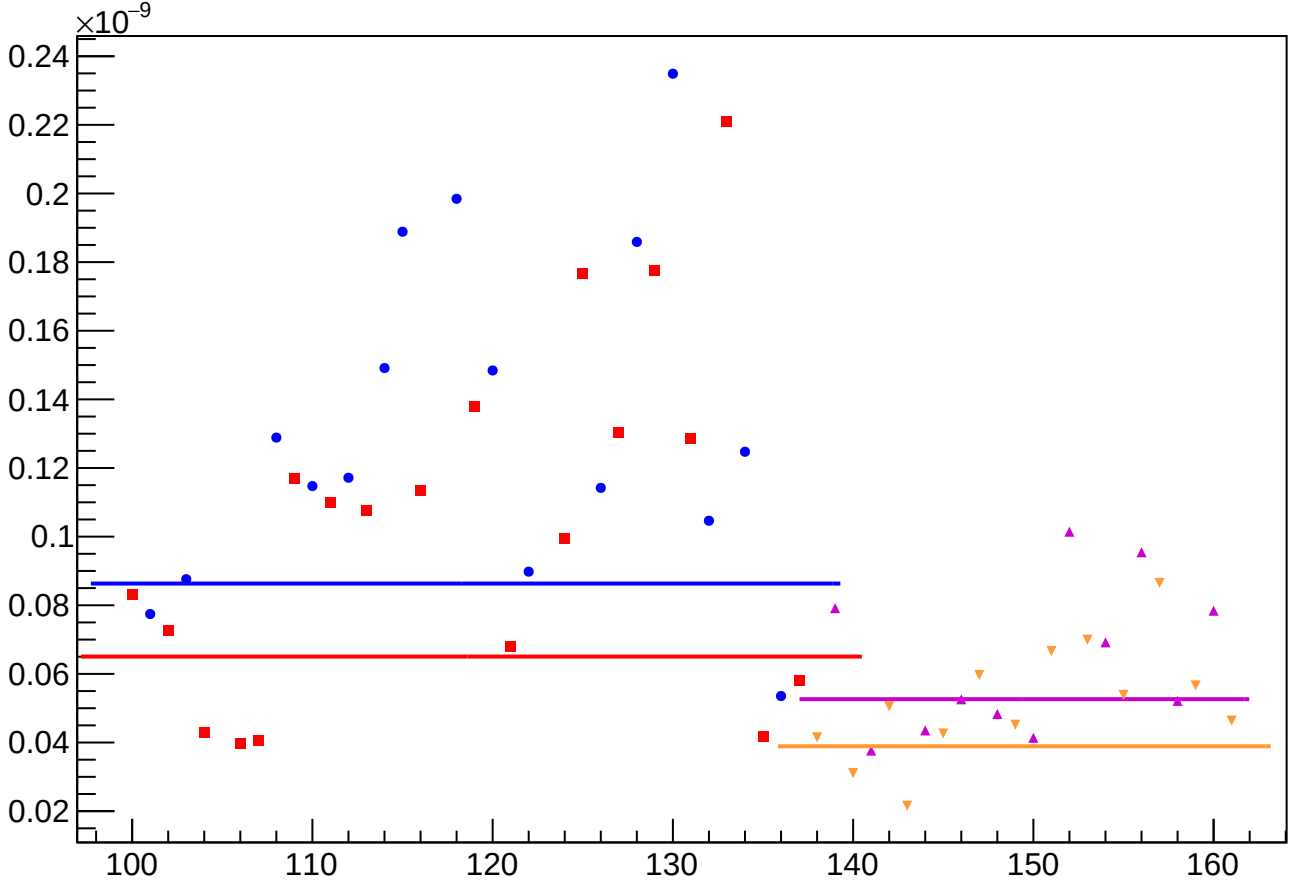
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 33.6/28

All: 0.000+/-0.000 χ^2/NDF: 72.7/58

- sign -0.000+/-0.000 χ^2/NDF: 36.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1849570.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

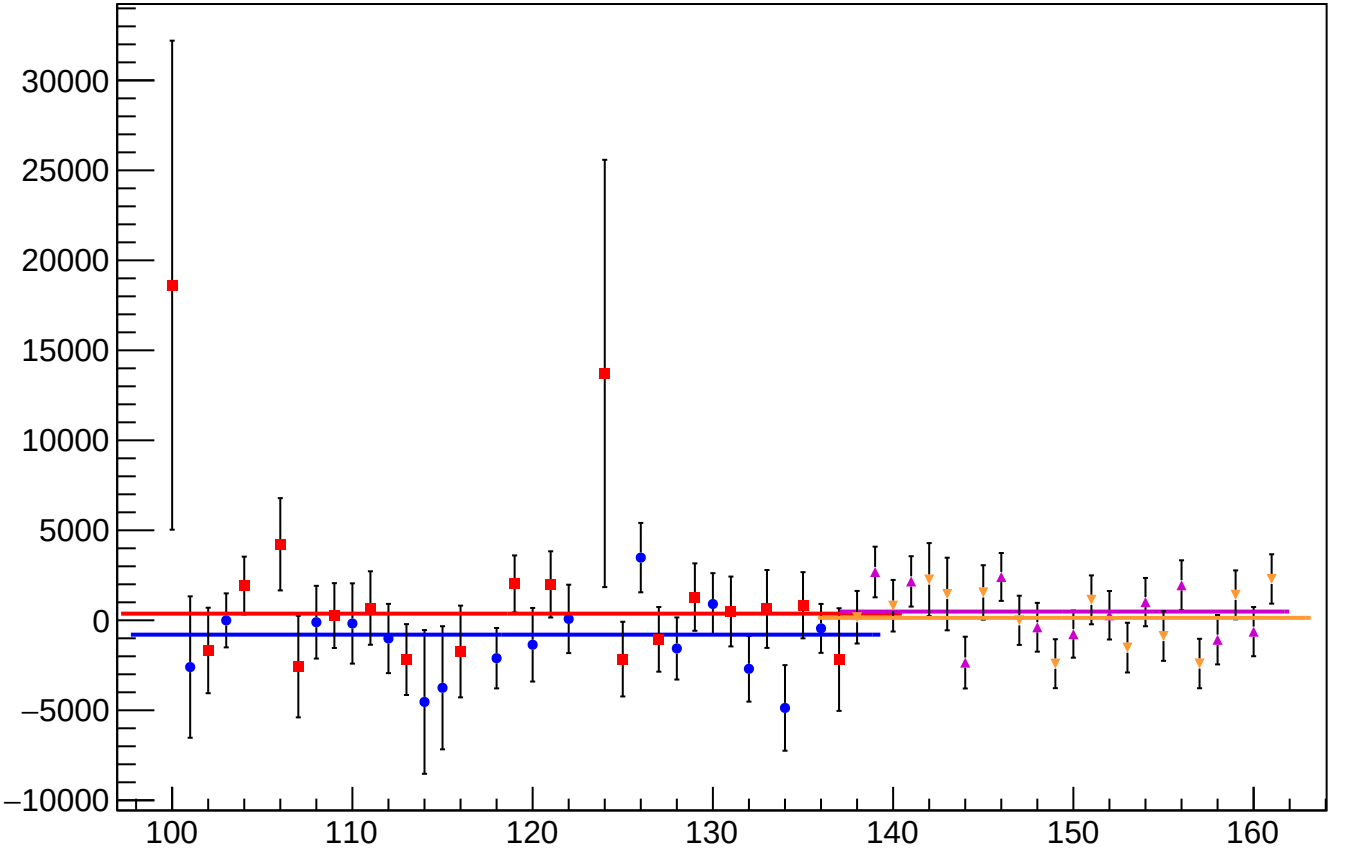
Left In: 0.000+/-0.000 χ^2/NDF:1189787.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 5551204.7/28

All: 0.000+/-0.000 χ^2/NDF: 9506359.0/58

- sign 0.000+/-0.000 χ^2/NDF: 3535713.4/29

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 134.971+/-403.098 χ^2/NDF:15.4/12

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

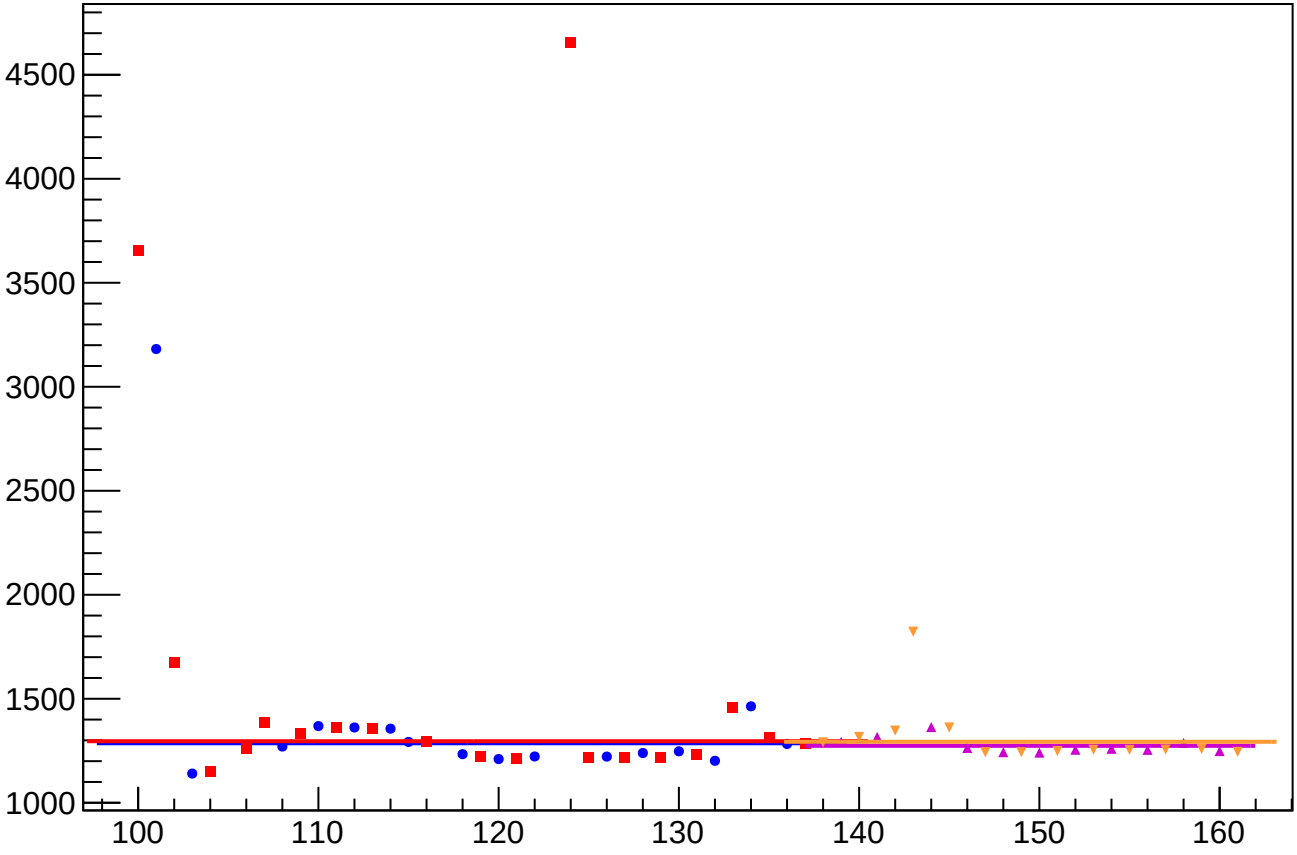
Left In: 484.590+/-412.146 χ^2/NDF:14.4/10

+ sign -243.637+/-310.642 χ^2/NDF: 31.0/28

All: 92.533+/-220.935 χ^2/NDF: 63.5/58

- sign 436.639+/-314.287 χ^2/NDF: 30.1/29

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1293.237+/-0.285 χ^2/NDF:159687.5/12

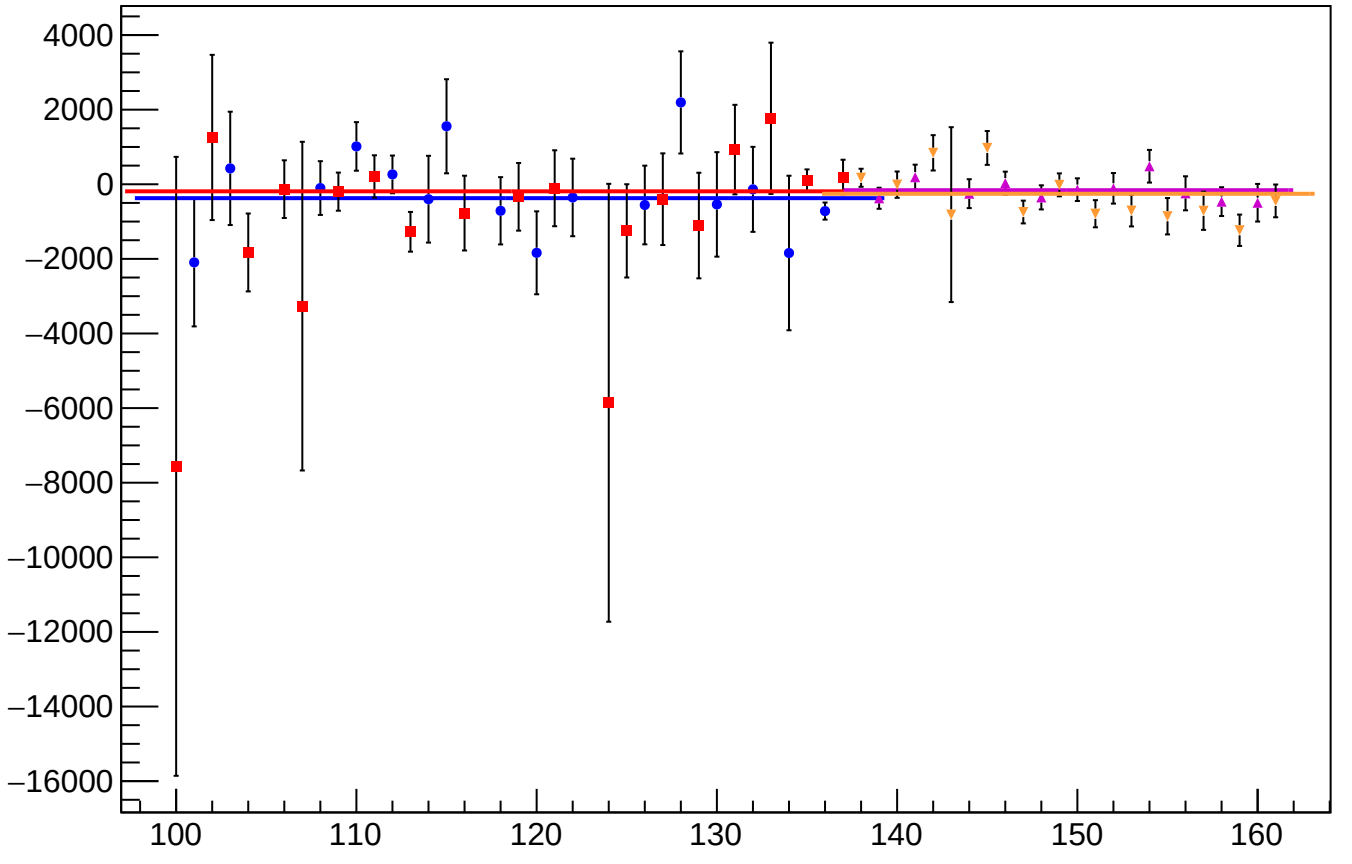
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

+ sign 1290.337+/-0.220 χ^2/NDF: 678069.2/28

All: 1286.742+/-0.156 χ^2/NDF: 1023535.7/58

- sign 1283.062+/-0.222 χ^2/NDF: 344924.5/29



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -254.920+/-106.603 χ^2/NDF:30.8/12

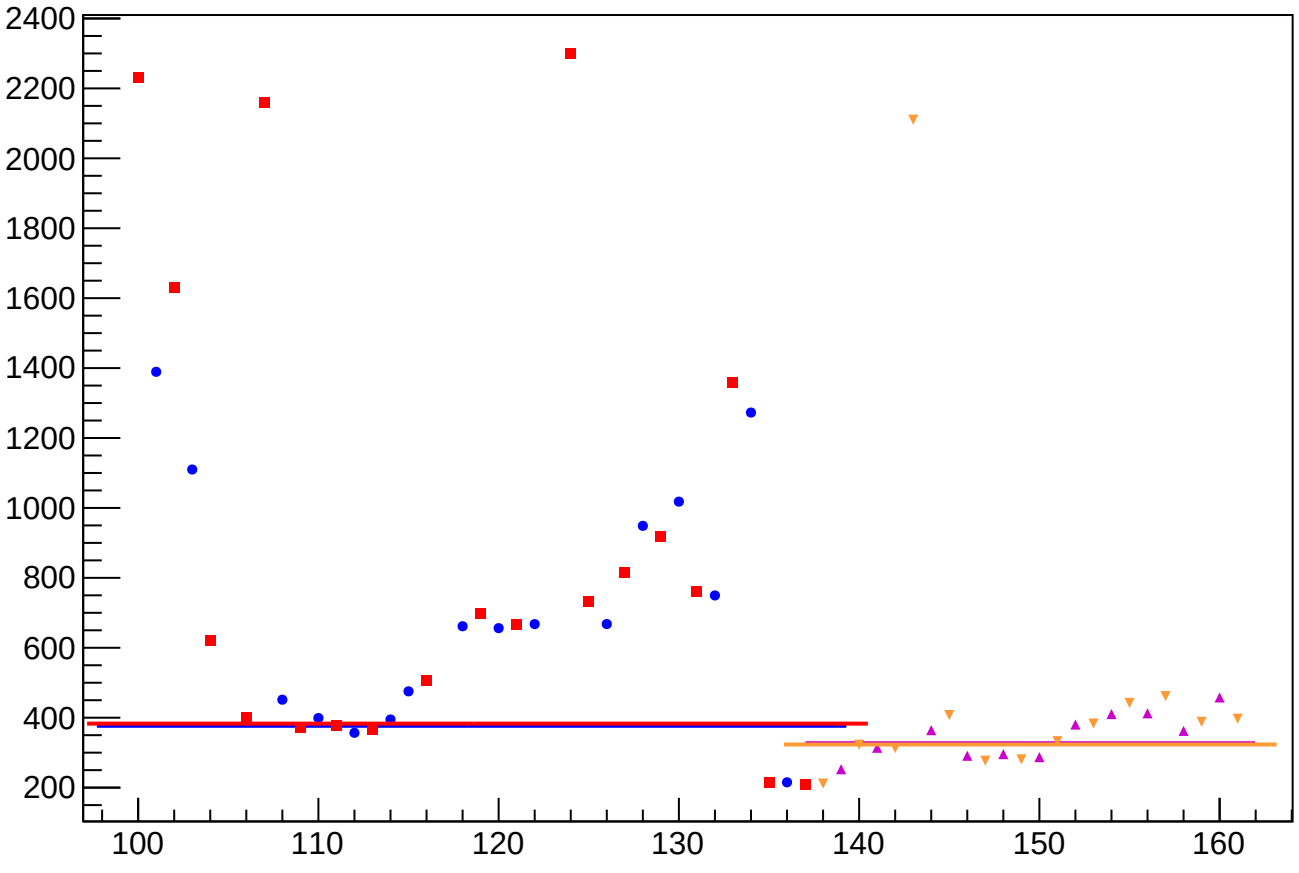
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -159.231+/-108.014 χ^2/NDF:5.7/10

+ sign -288.565+/-90.043 χ^2/NDF: 49.3/28

All: -228.893+/-64.041 χ^2/NDF: 70.6/58

- sign -167.808+/-91.102 χ^2/NDF: 20.4/29



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 323.380+/-0.075 χ^2/NDF:2156412.8/12

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

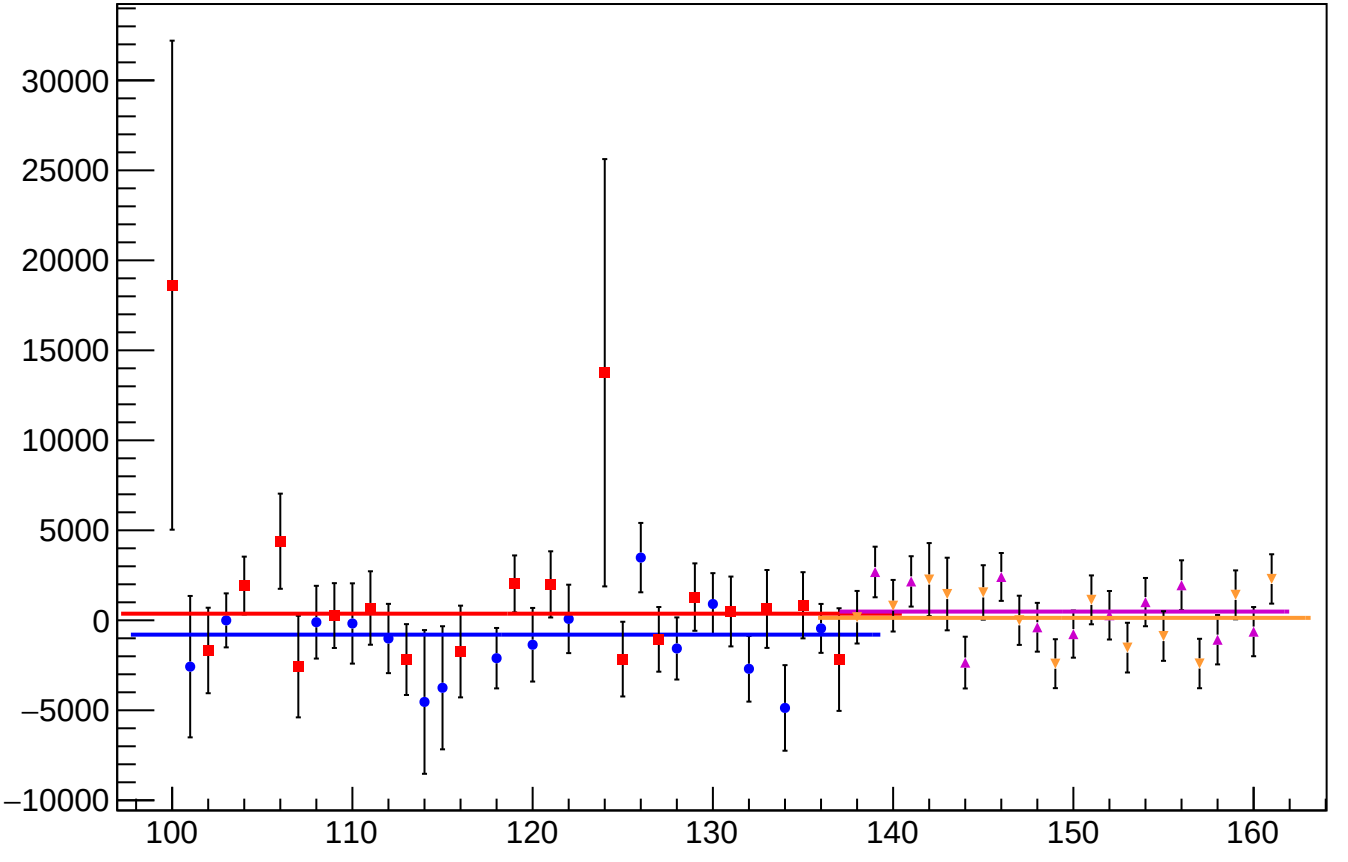
Left In: 327.083+/-0.076 χ^2/NDF:568812.3/10

+ sign 338.715+/-0.064 χ^2/NDF: 6491026.2/28

All: 340.953+/-0.045 χ^2/NDF: 11271568.8/58

- sign 343.243+/-0.064 χ^2/NDF: 4778042.9/29

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 135.033+/-403.098 χ^2/NDF:15.4/12

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

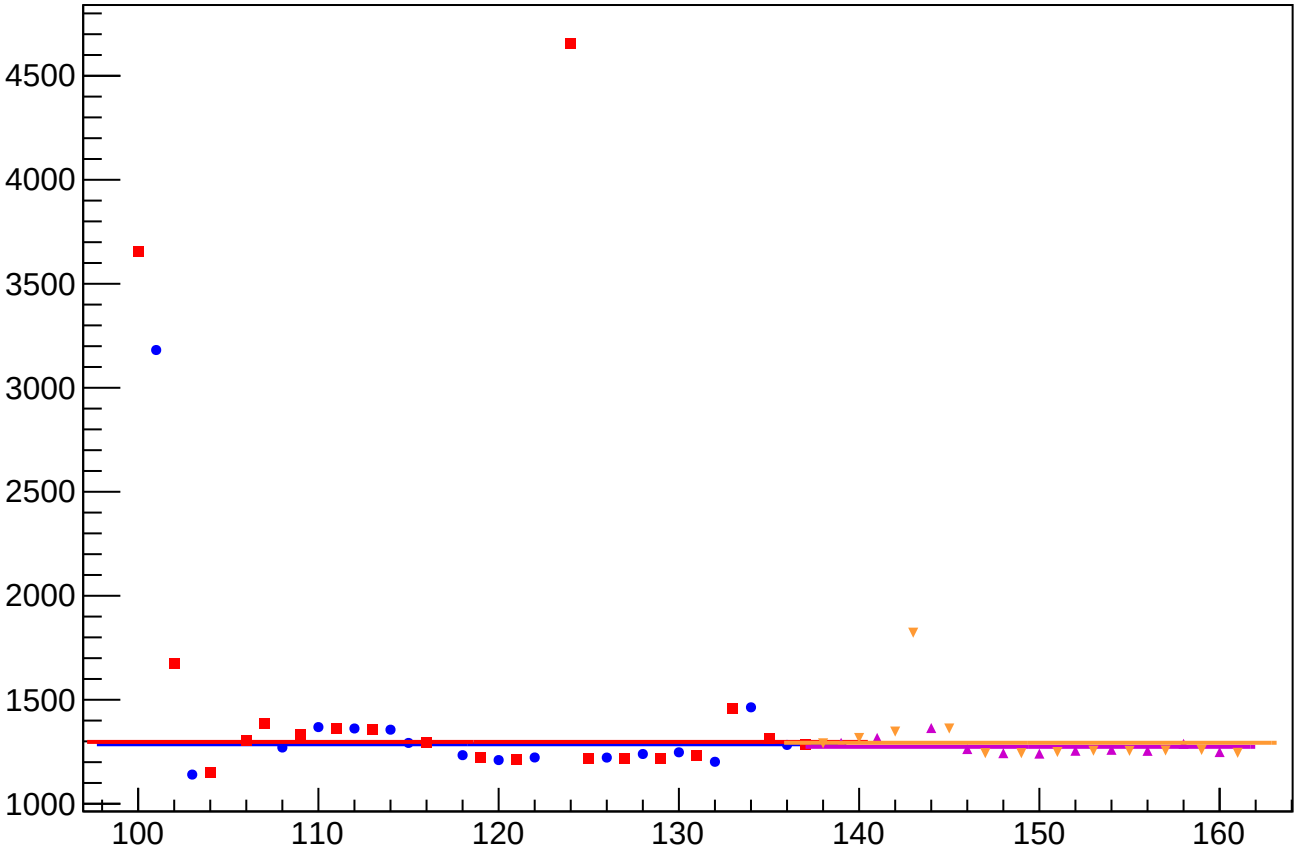
Left In: 484.545+/-412.146 χ^2/NDF:14.5/10

+ sign -243.437+/-310.642 χ^2/NDF: 31.0/28

All: 91.975+/-220.984 χ^2/NDF: 63.5/58

- sign 435.613+/-314.429 χ^2/NDF: 30.2/29

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1293.237+/-0.285 χ^2/NDF:159687.5/12

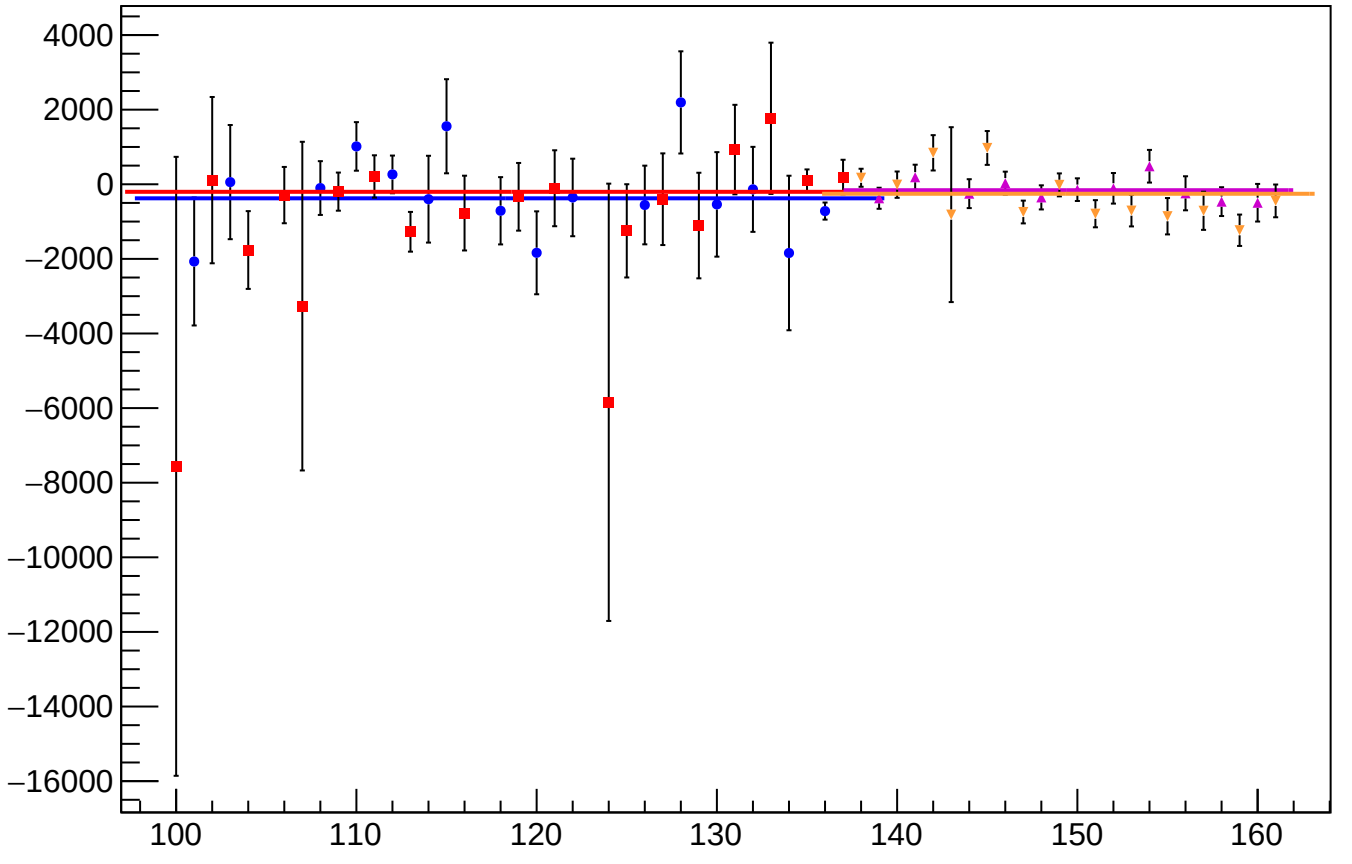
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

+ sign 1290.337+/-0.220 χ^2/NDF: 678070.7/28

All: 1287.038+/-0.156 χ^2/NDF: 1023447.4/58

- sign 1283.657+/-0.222 χ^2/NDF: 344920.0/29



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -254.928+/-106.606 χ^2/NDF:30.8/12

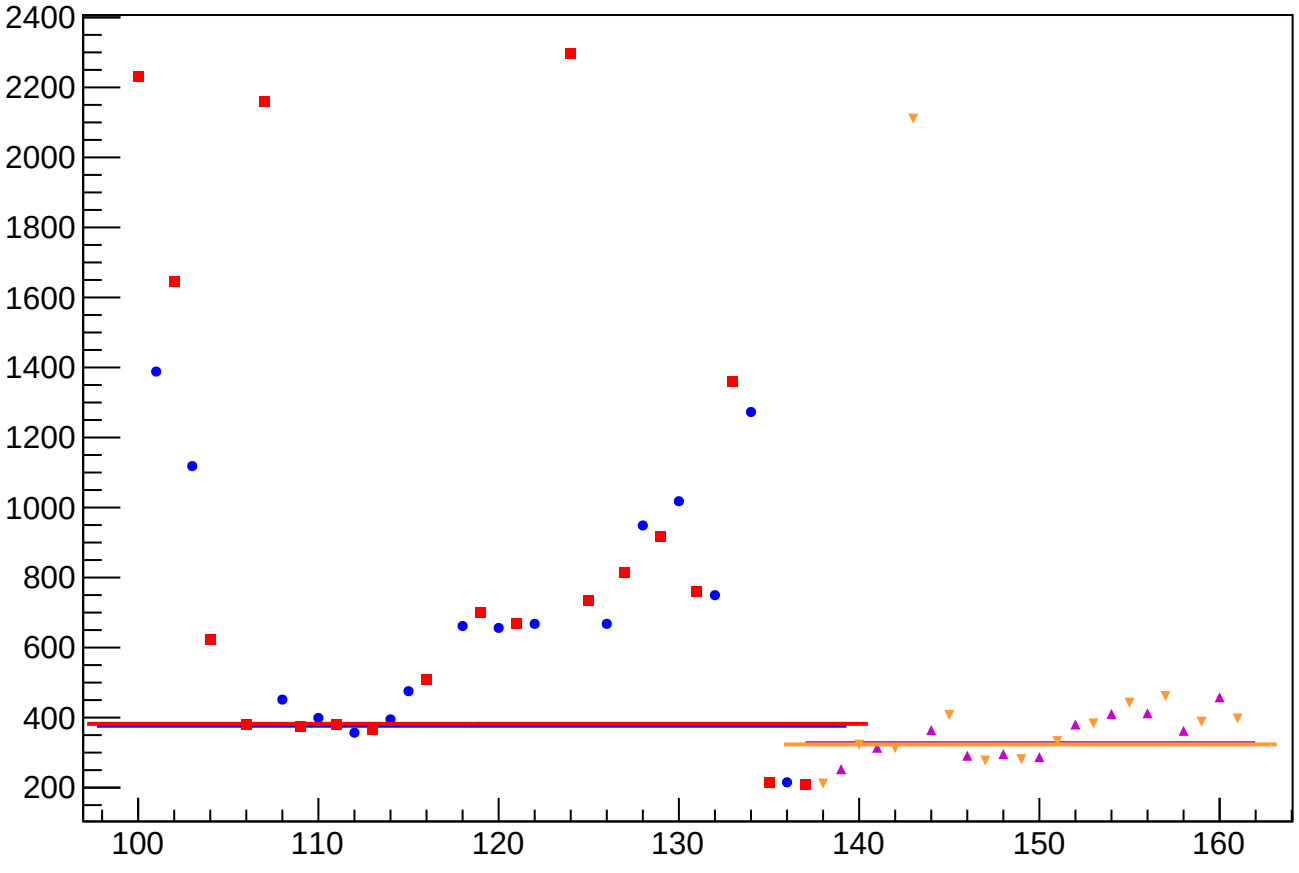
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -159.258+/-108.014 χ^2/NDF:5.7/10

+ sign -289.839+/-90.047 χ^2/NDF: 49.1/28

All: -231.416+/-64.032 χ^2/NDF: 69.8/58

- sign -171.657+/-91.072 χ^2/NDF: 19.8/29



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 323.389+/-0.075 χ^2/NDF:2156304.9/12

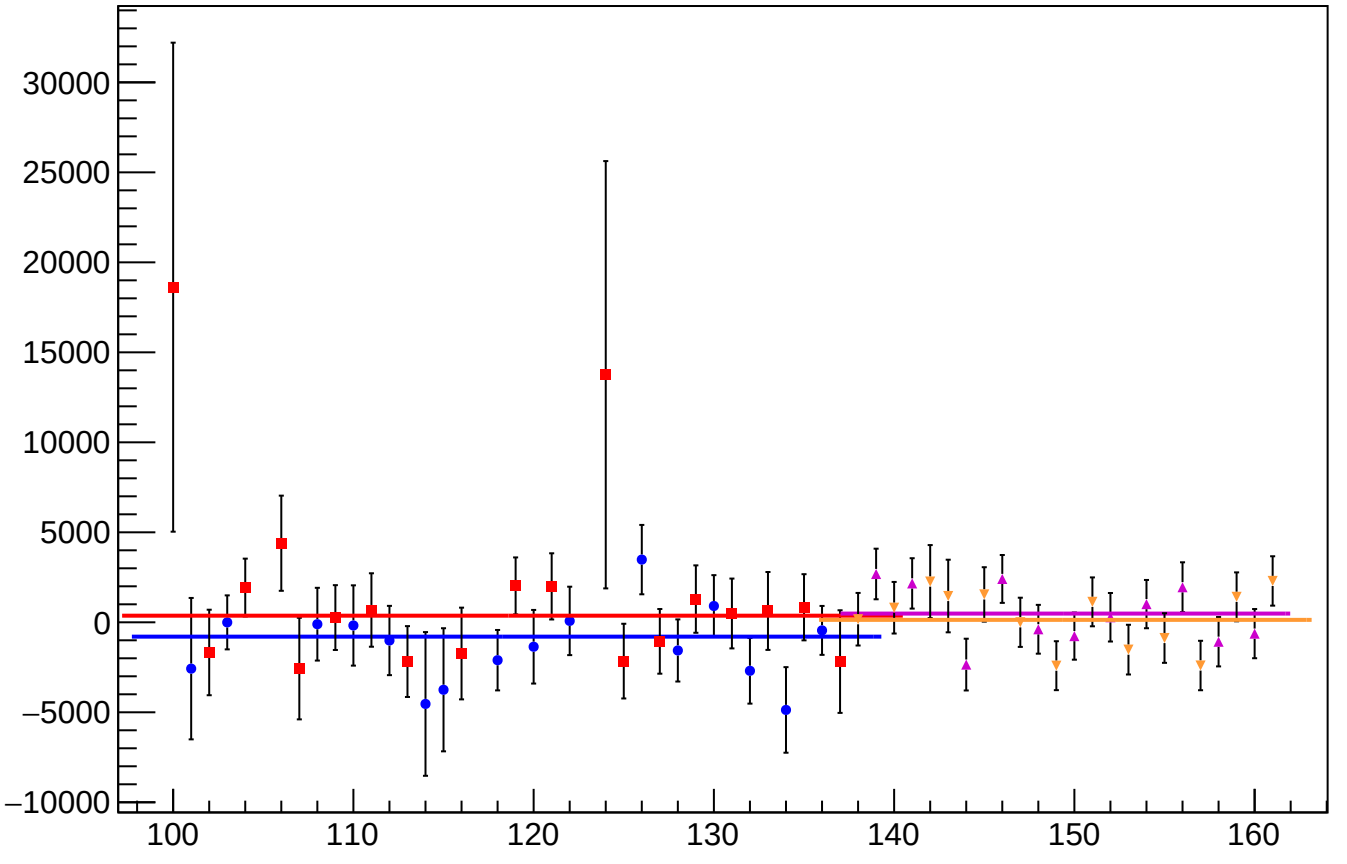
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 327.082+/-0.076 χ^2/NDF:568907.4/10

+ sign 338.717+/-0.064 χ^2/NDF: 6493929.9/28

All: 340.833+/-0.045 χ^2/NDF: 11274883.8/58

- sign 342.998+/-0.064 χ^2/NDF: 4778718.8/29



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 135.033+/-403.098 χ^2/NDF:15.4/12

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

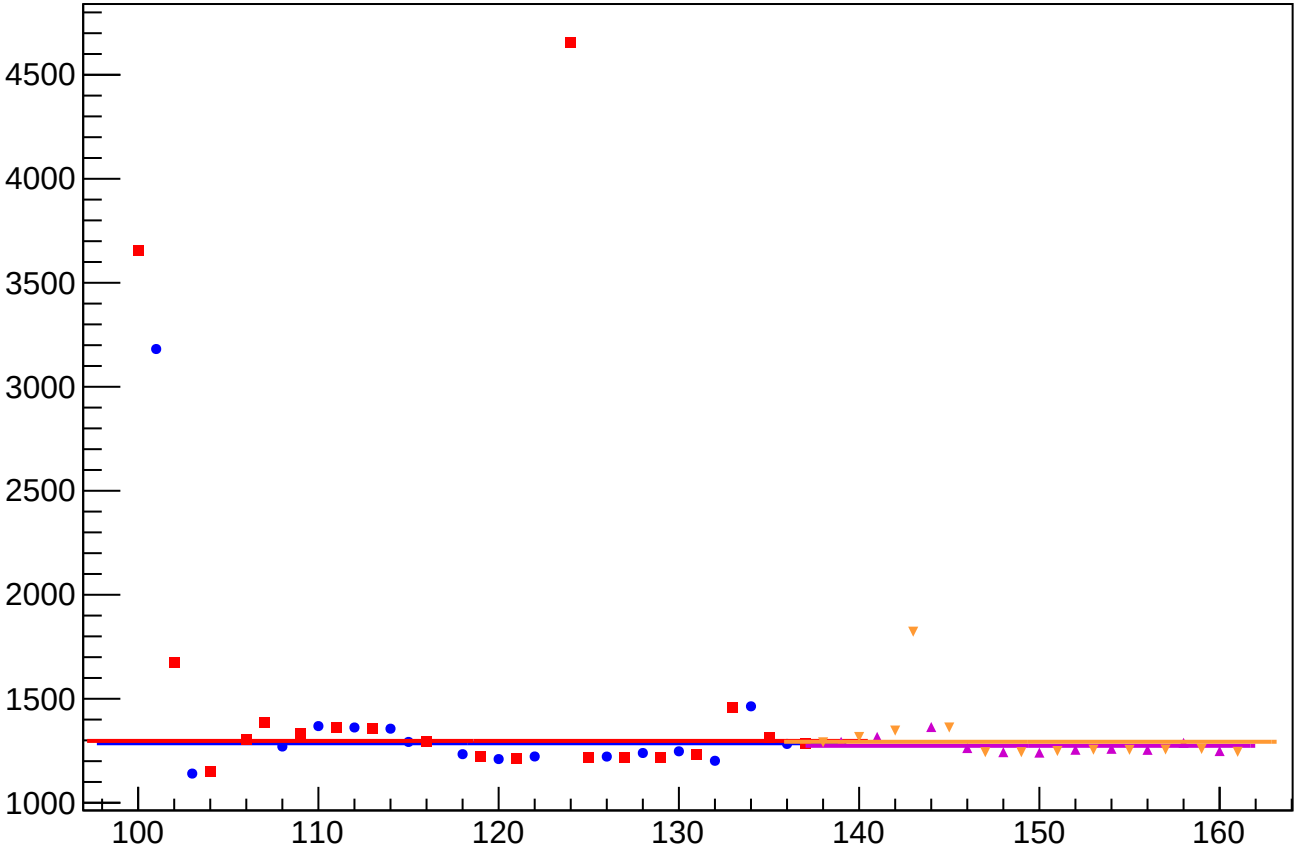
Left In: 484.545+/-412.146 χ^2/NDF:14.5/10

+ sign -243.437+/-310.642 χ^2/NDF: 31.0/28

All: 91.975+/-220.984 χ^2/NDF: 63.5/58

- sign 435.613+/-314.429 χ^2/NDF: 30.2/29

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: 1293.237+/-0.285 χ^2/NDF:159687.5/12

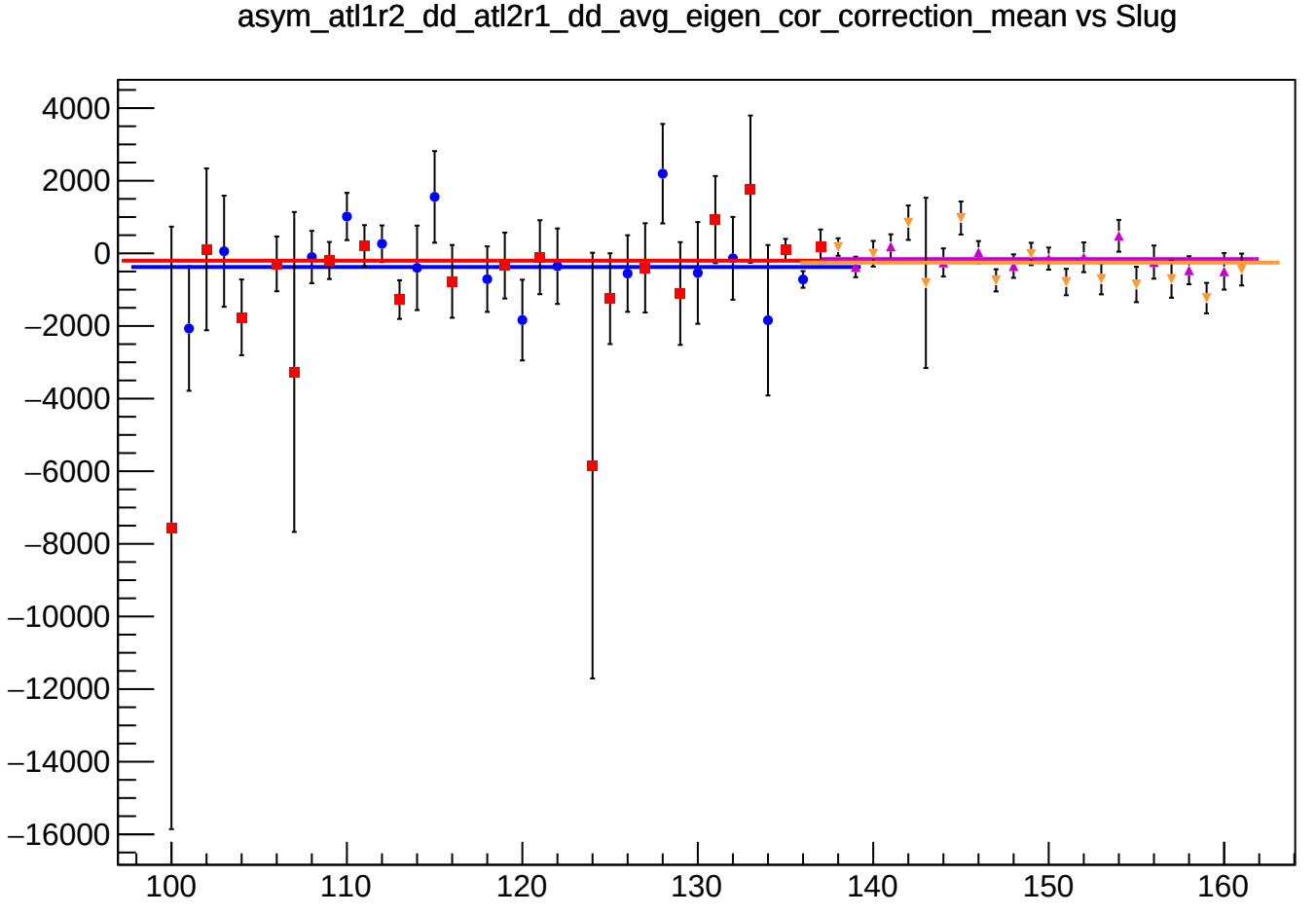
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

+ sign 1290.337+/-0.220 χ^2/NDF: 678070.7/28

All: 1287.038+/-0.156 χ^2/NDF: 1023447.4/58

- sign 1283.657+/-0.222 χ^2/NDF: 344920.0/29



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -254.928+/-106.606 χ^2/NDF:30.8/12

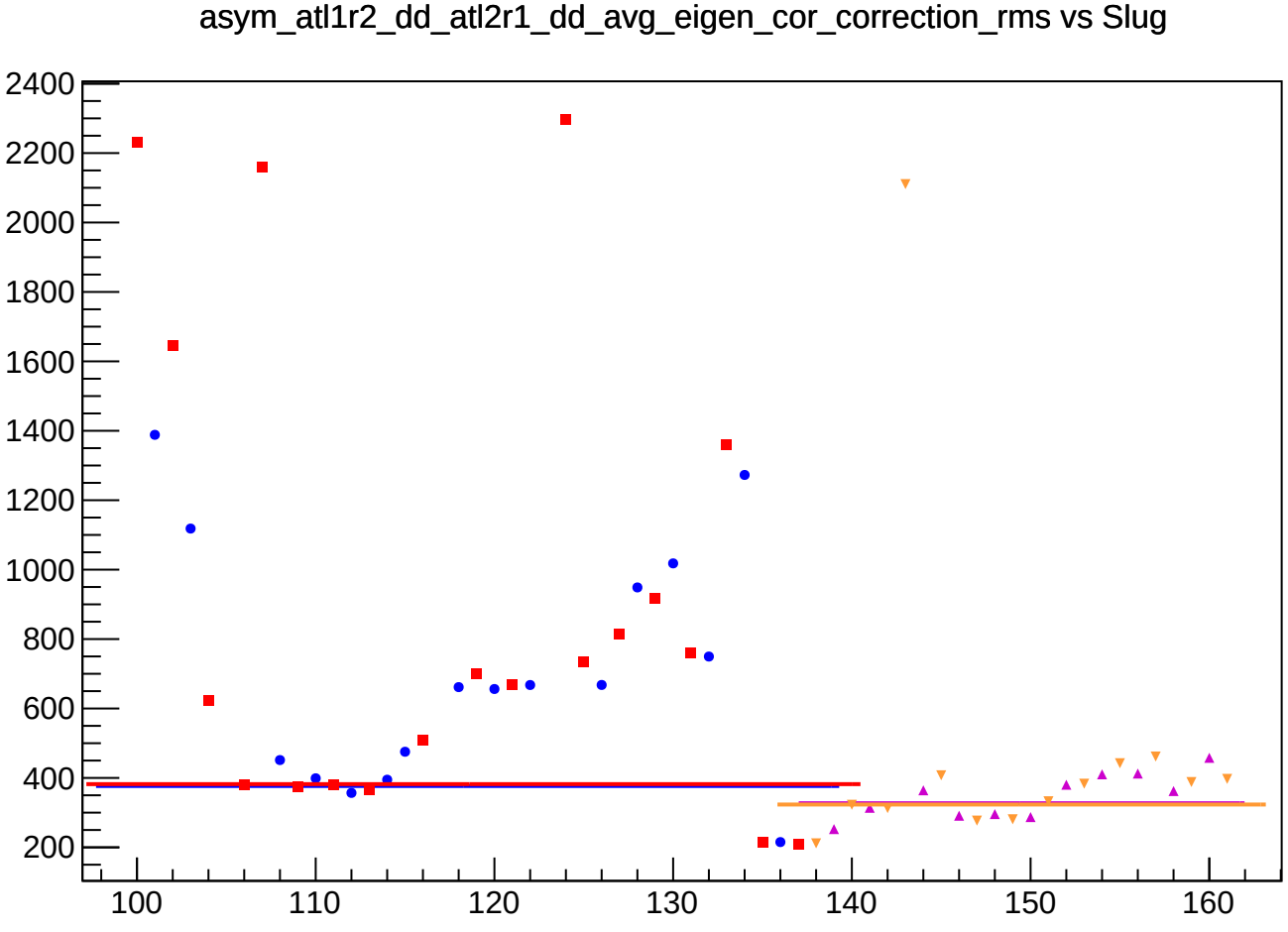
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -159.258+/-108.014 χ^2/NDF:5.7/10

+ sign -289.839+/-90.047 χ^2/NDF: 49.1/28

All: -231.416+/-64.032 χ^2/NDF: 69.8/58

- sign -171.657+/-91.072 χ^2/NDF: 19.8/29



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 323.389+/-0.075 χ^2/NDF:2156304.9/12

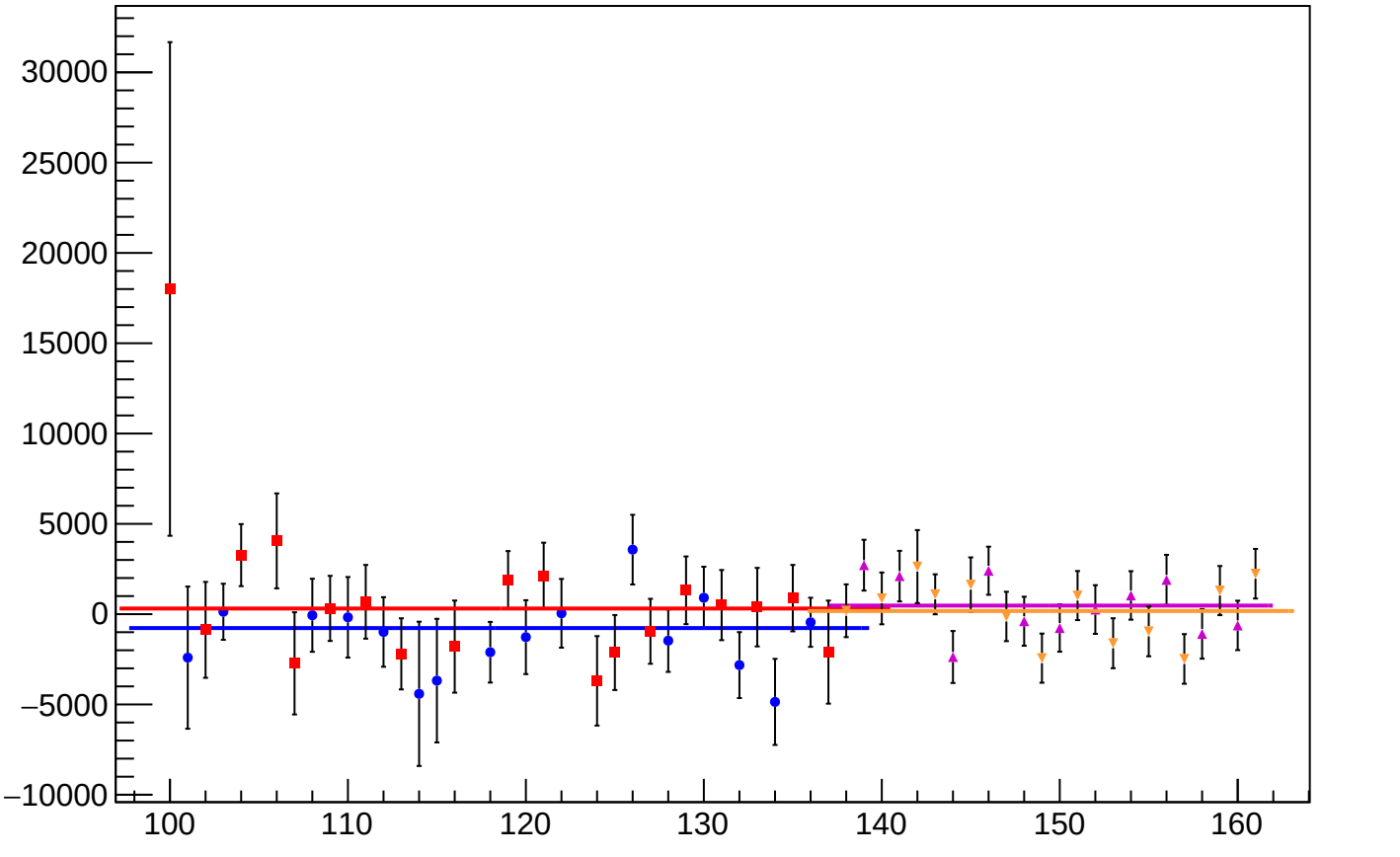
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 327.082+/-0.076 χ^2/NDF:568907.4/10

+ sign 338.717+/-0.064 χ^2/NDF: 6493929.9/28

All: 340.833+/-0.045 χ^2/NDF: 11274883.8/58

- sign 342.998+/-0.064 χ^2/NDF: 4778718.8/29



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 174.633+/-385.846 χ^2/NDF:16.5/12

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

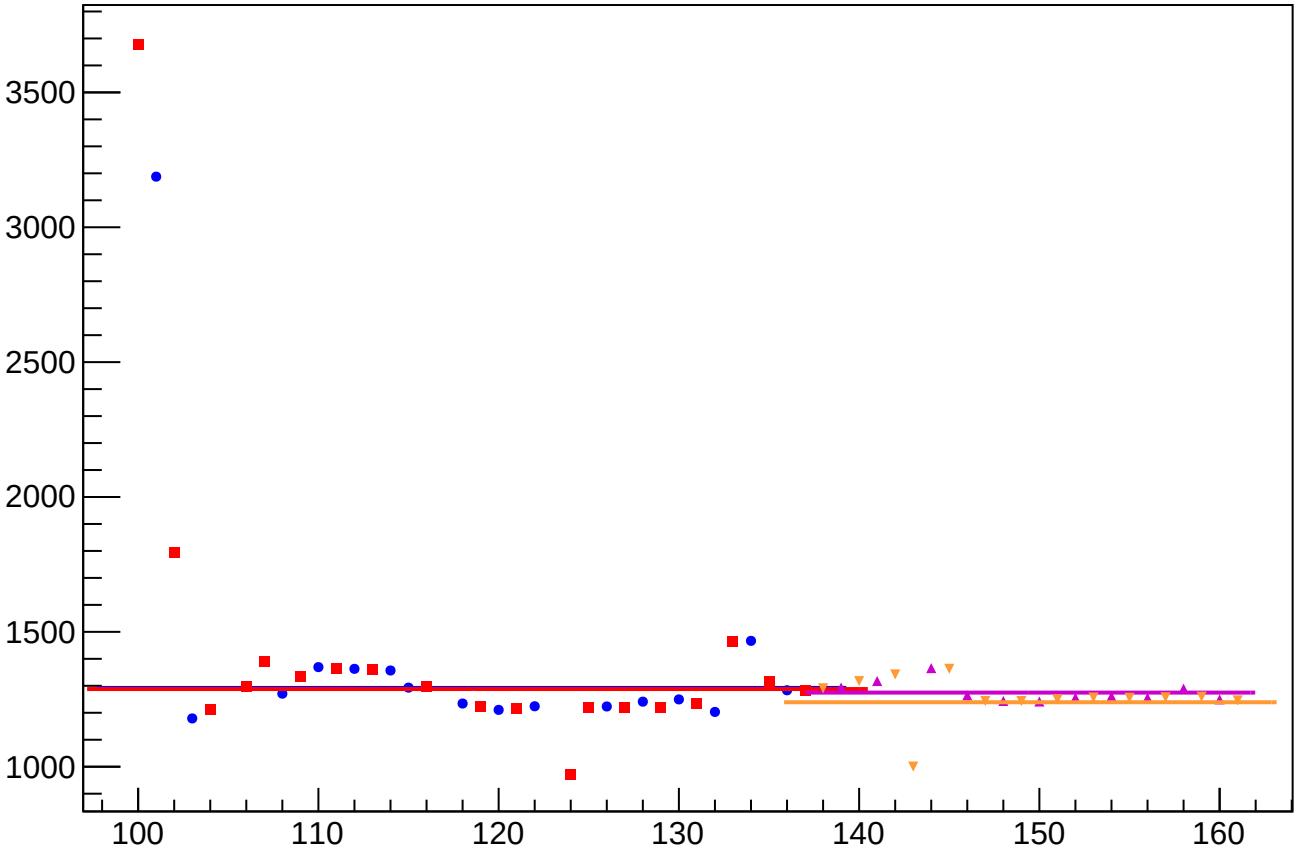
Left In: 473.817+/-412.482 χ^2/NDF:14.4/10

+ sign -187.853+/-303.049 χ^2/NDF: 32.4/28

All: 98.593+/-217.912 χ^2/NDF: 66.6/58

- sign 405.269+/-313.568 χ^2/NDF: 32.4/29

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1238.998+/-0.273 χ^2/NDF:121701.5/12

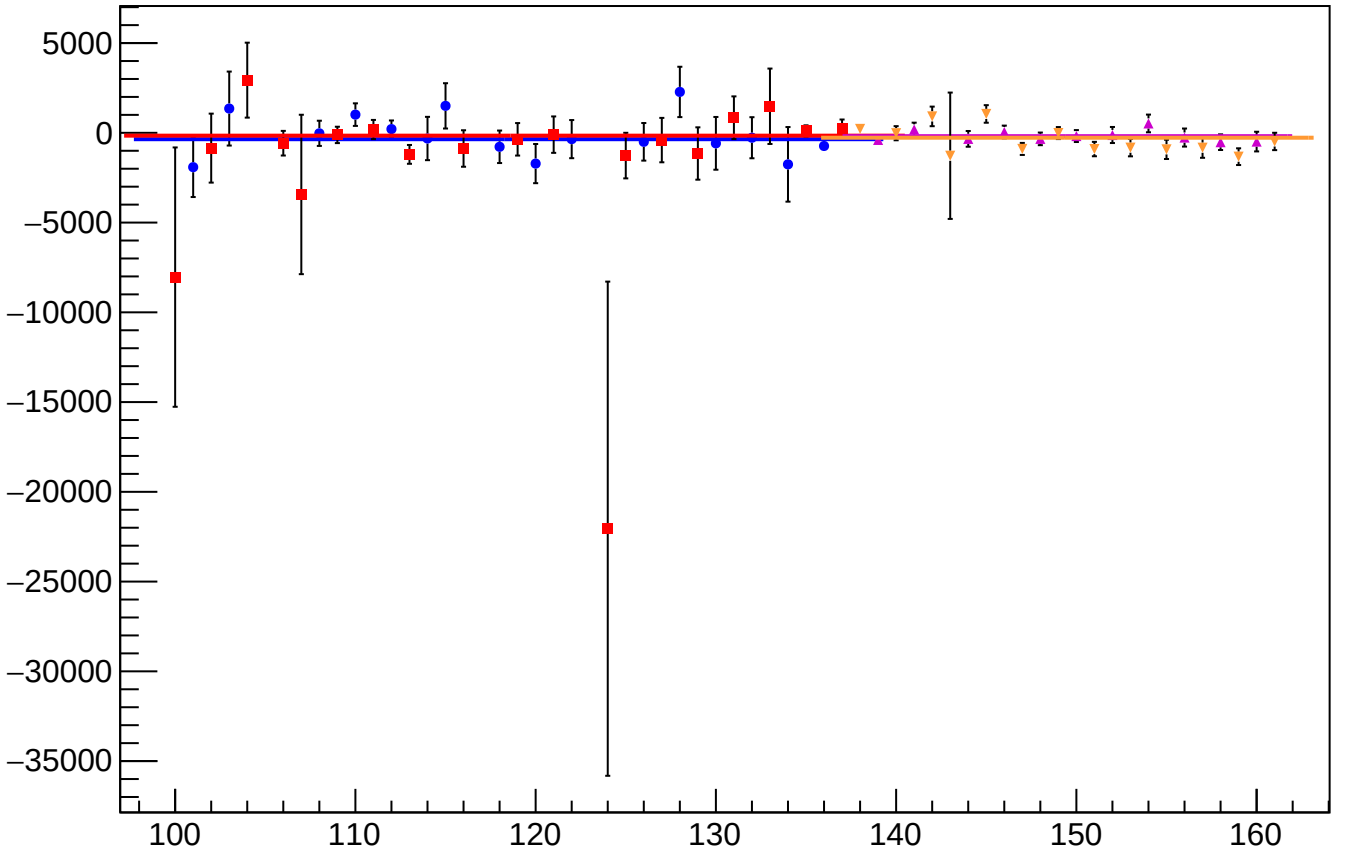
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1274.825+/-0.292 χ^2/NDF:14503.7/10

+ sign 1259.319+/-0.214 χ^2/NDF: 645586.9/28

All: 1269.491+/-0.154 χ^2/NDF: 874824.7/58

- sign 1280.381+/-0.222 χ^2/NDF: 224572.2/29



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -272.414+/-115.649 χ^2/NDF:32.2/12

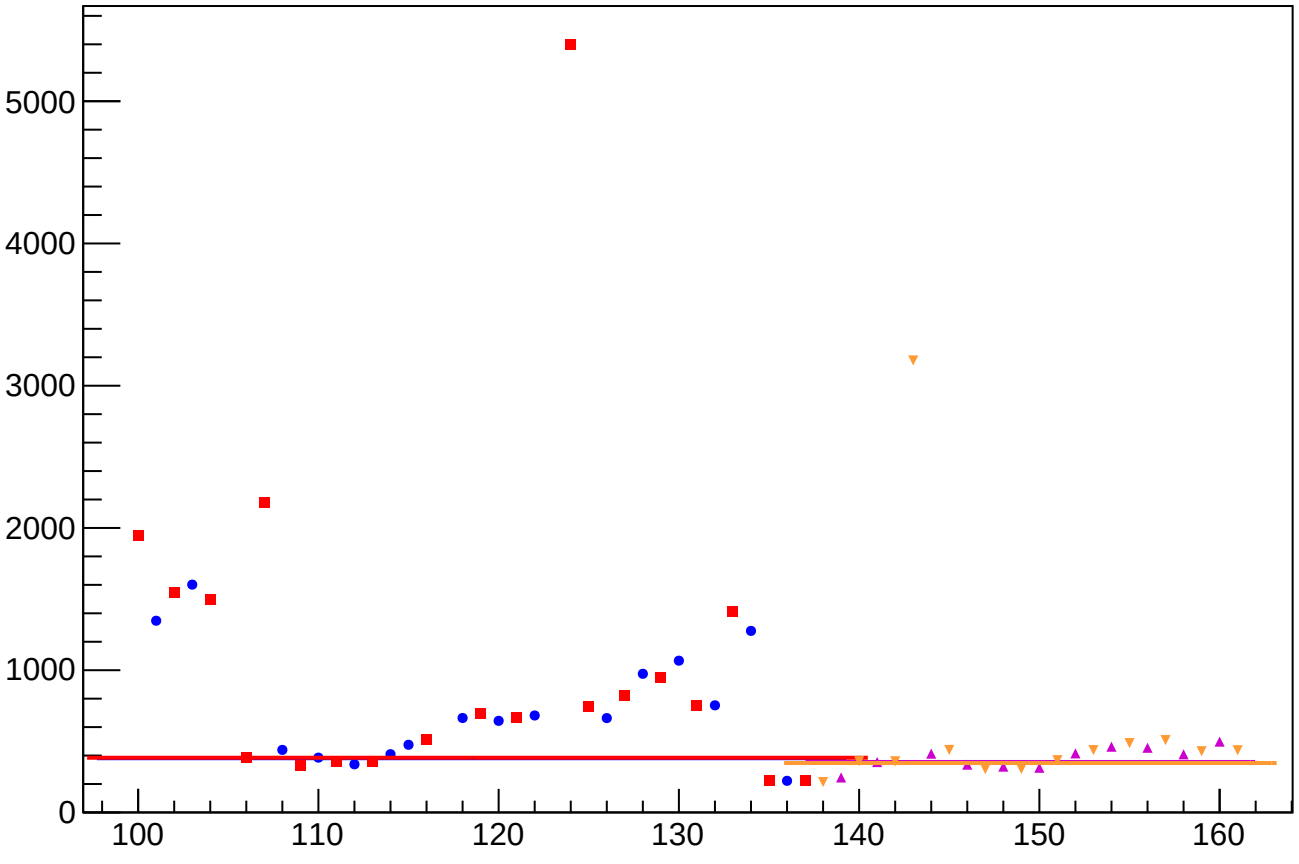
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -186.432+/-117.842 χ^2/NDF:5.3/10

+ sign -298.620+/-95.615 χ^2/NDF: 50.8/28

All: -238.627+/-68.021 χ^2/NDF: 72.8/58

- sign -177.155+/-96.787 χ^2/NDF: 21.2/29



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 347.482+/-0.082 χ^2/NDF:2542790.6/12

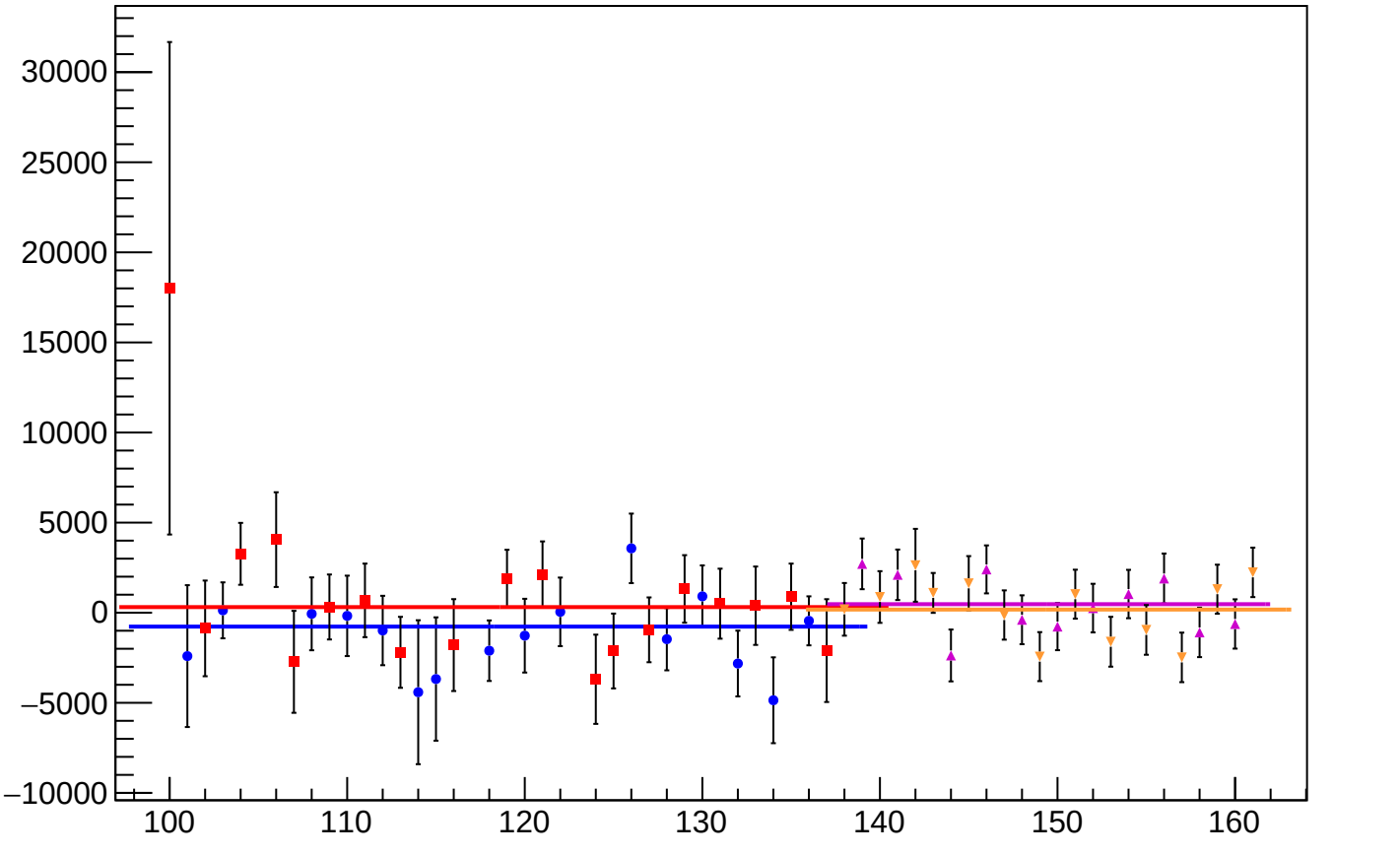
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 354.877+/-0.083 χ^2/NDF:775905.4/10

+ sign 358.199+/-0.068 χ^2/NDF: 6914989.1/28

All: 361.344+/-0.048 χ^2/NDF: 12297030.5/58

- sign 364.566+/-0.068 χ^2/NDF: 5377661.5/29



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 174.634+/-385.846 χ^2/NDF:16.5/12

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

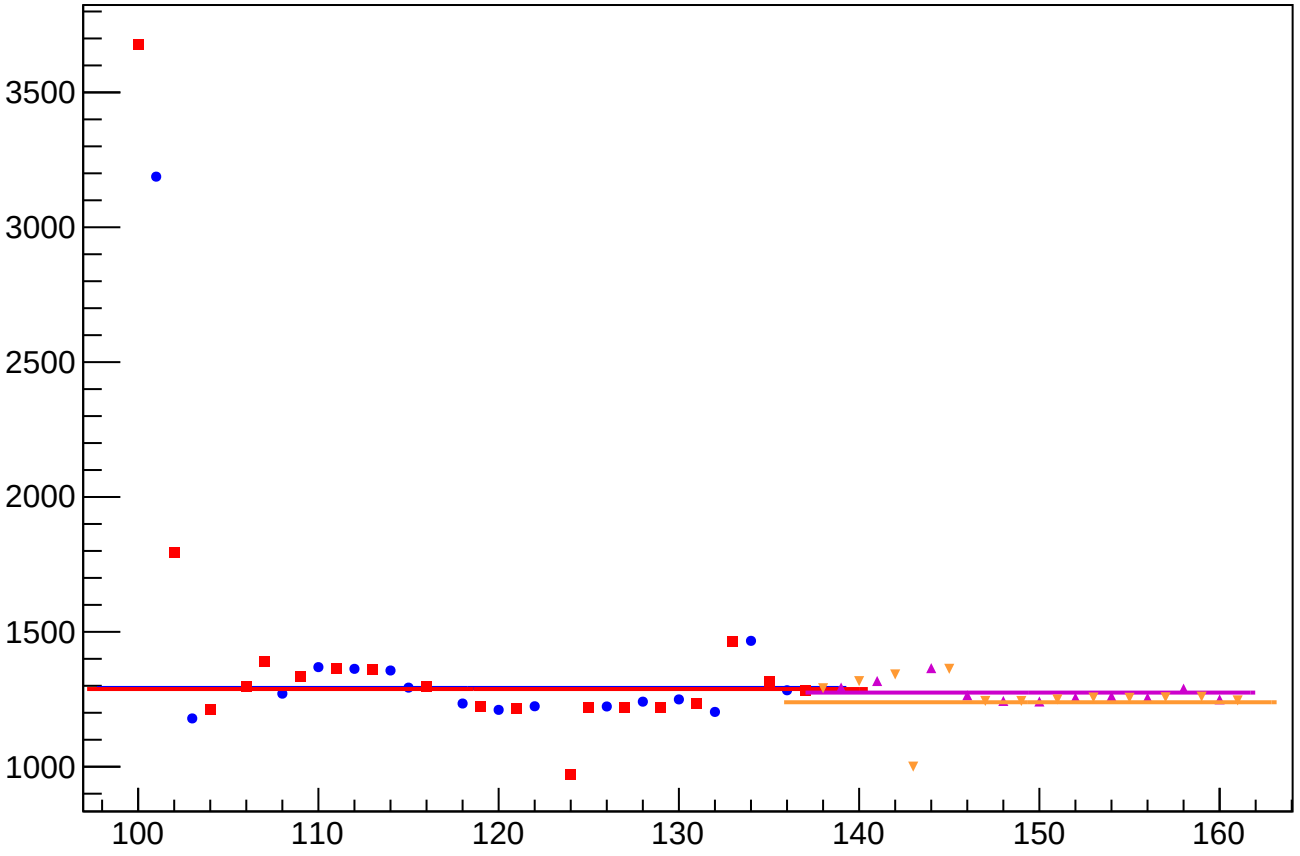
Left In: 473.816+/-412.482 χ^2/NDF:14.4/10

+ sign -187.853+/-303.049 χ^2/NDF: 32.4/28

All: 98.593+/-217.912 χ^2/NDF: 66.6/58

- sign 405.269+/-313.568 χ^2/NDF: 32.4/29

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: 1238.998+/-0.273 χ^2/NDF:121700.7/12

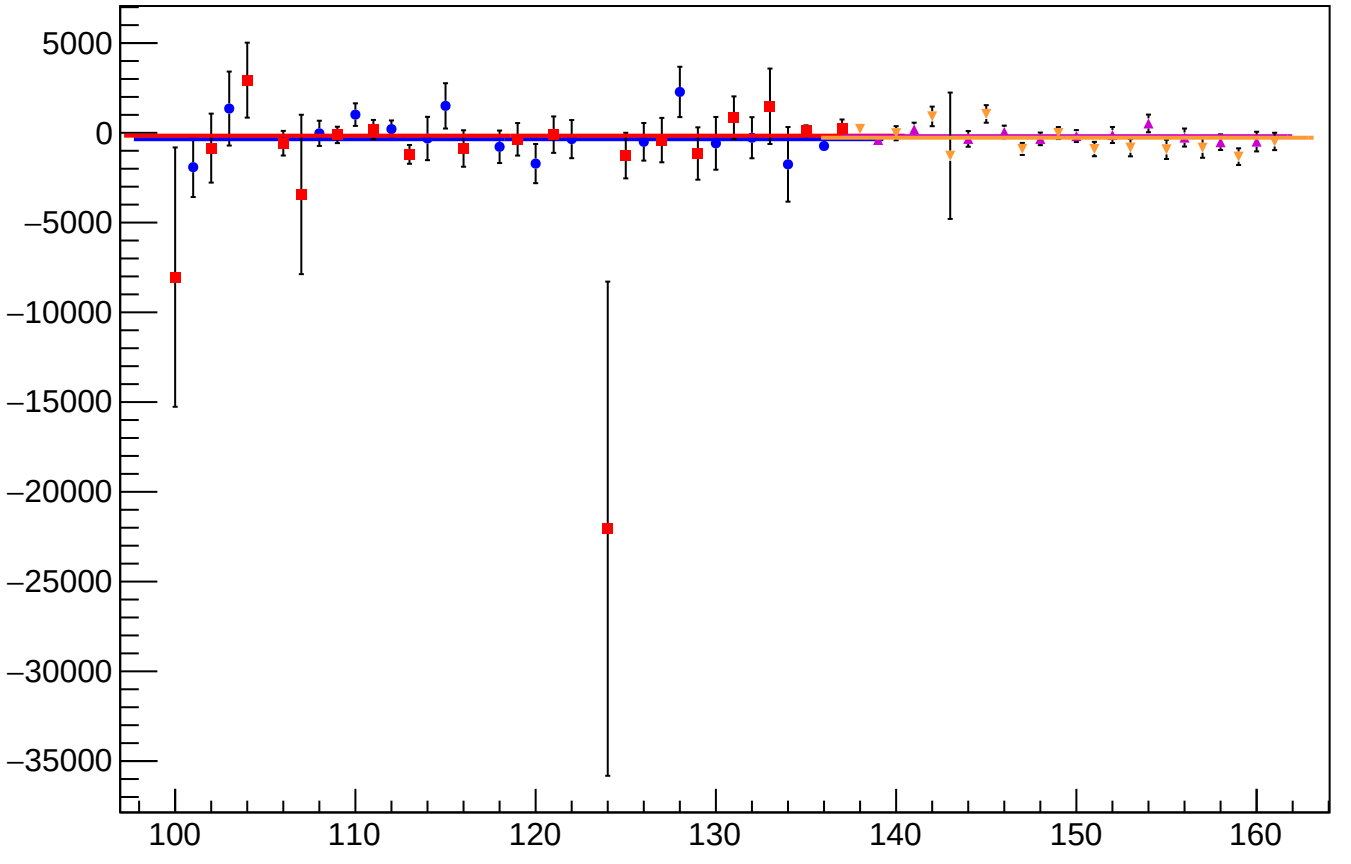
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1274.825+/-0.292 χ^2/NDF:14503.7/10

\+ sign 1259.319+/-0.214 χ^2/NDF: 645586.0/28

All: 1269.491+/-0.154 χ^2/NDF: 874824.1/58

\- sign 1280.381+/-0.222 χ^2/NDF: 224572.5/29



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -272.426+/-115.650 χ^2/NDF:32.2/12

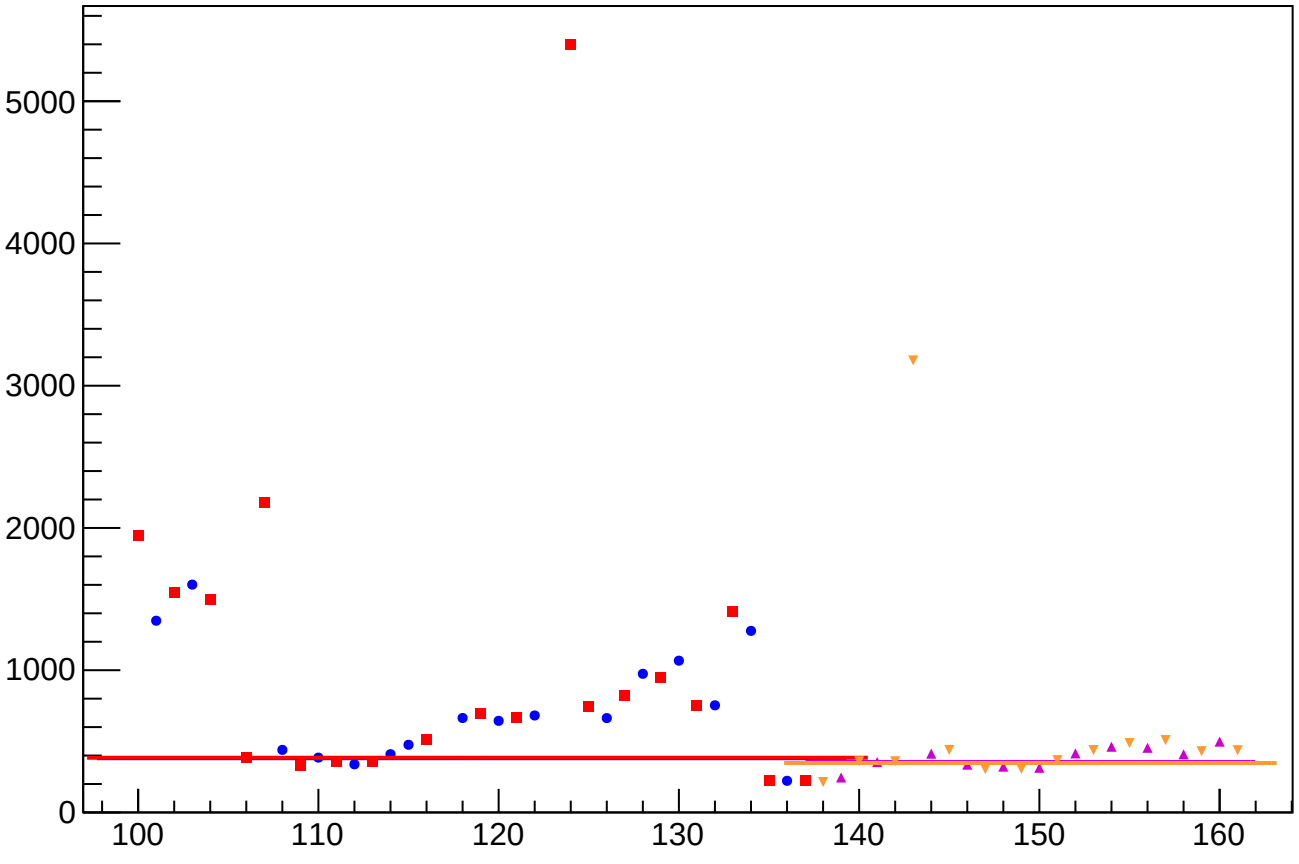
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -186.432+/-117.844 χ^2/NDF:5.3/10

+ sign -298.628+/-95.616 χ^2/NDF: 50.8/28

All: -238.632+/-68.021 χ^2/NDF: 72.8/58

- sign -177.157+/-96.788 χ^2/NDF: 21.2/29



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 347.489+/-0.082 χ^2/NDF:2542614.1/12

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

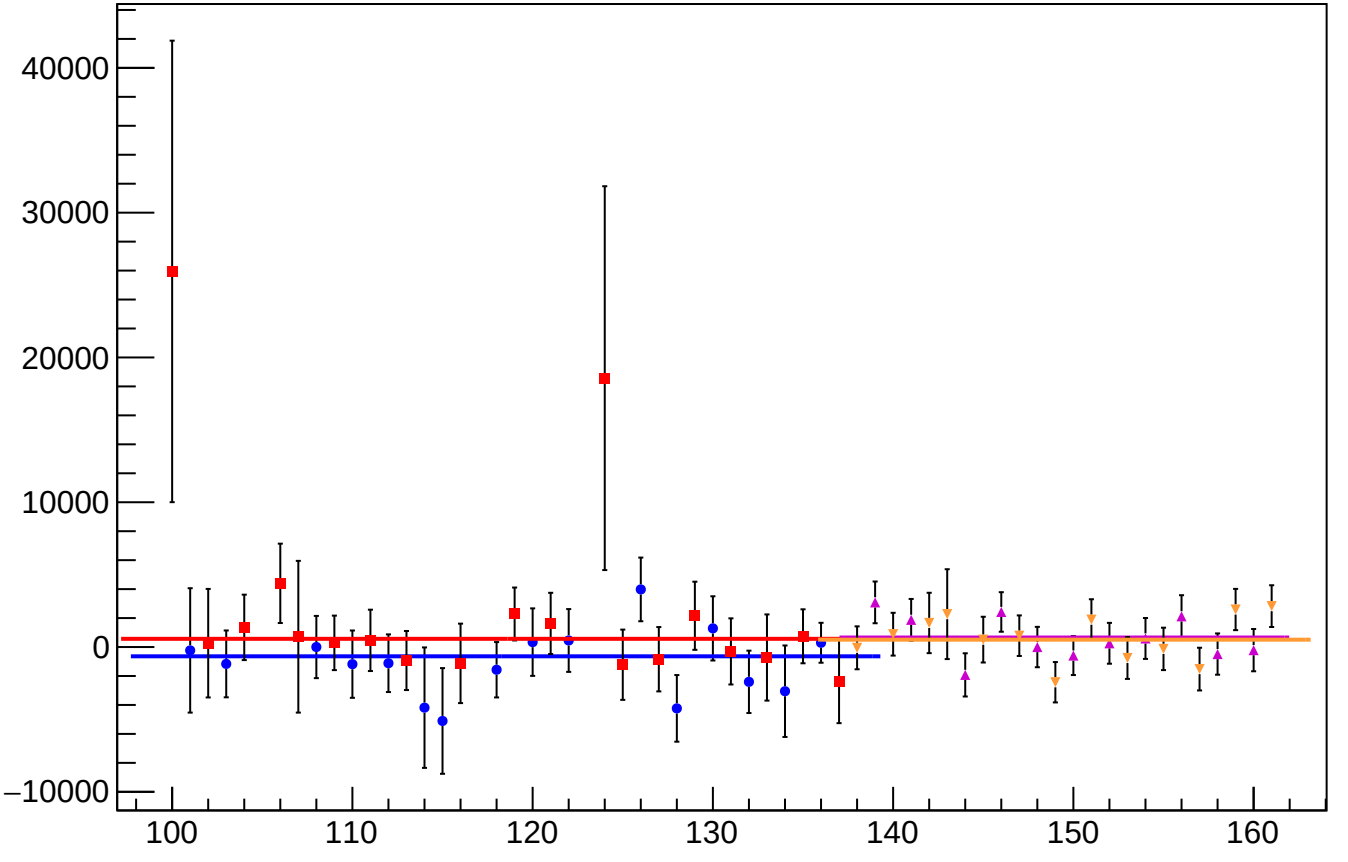
Left In: 354.882+/-0.083 χ^2/NDF:775808.4/10

+ sign 358.207+/-0.068 χ^2/NDF: 6914636.7/28

All: 361.351+/-0.048 χ^2/NDF: 12296445.4/58

- sign 364.572+/-0.068 χ^2/NDF: 5377431.5/29

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 507.914+/-424.273 χ^2/NDF:13.9/12

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

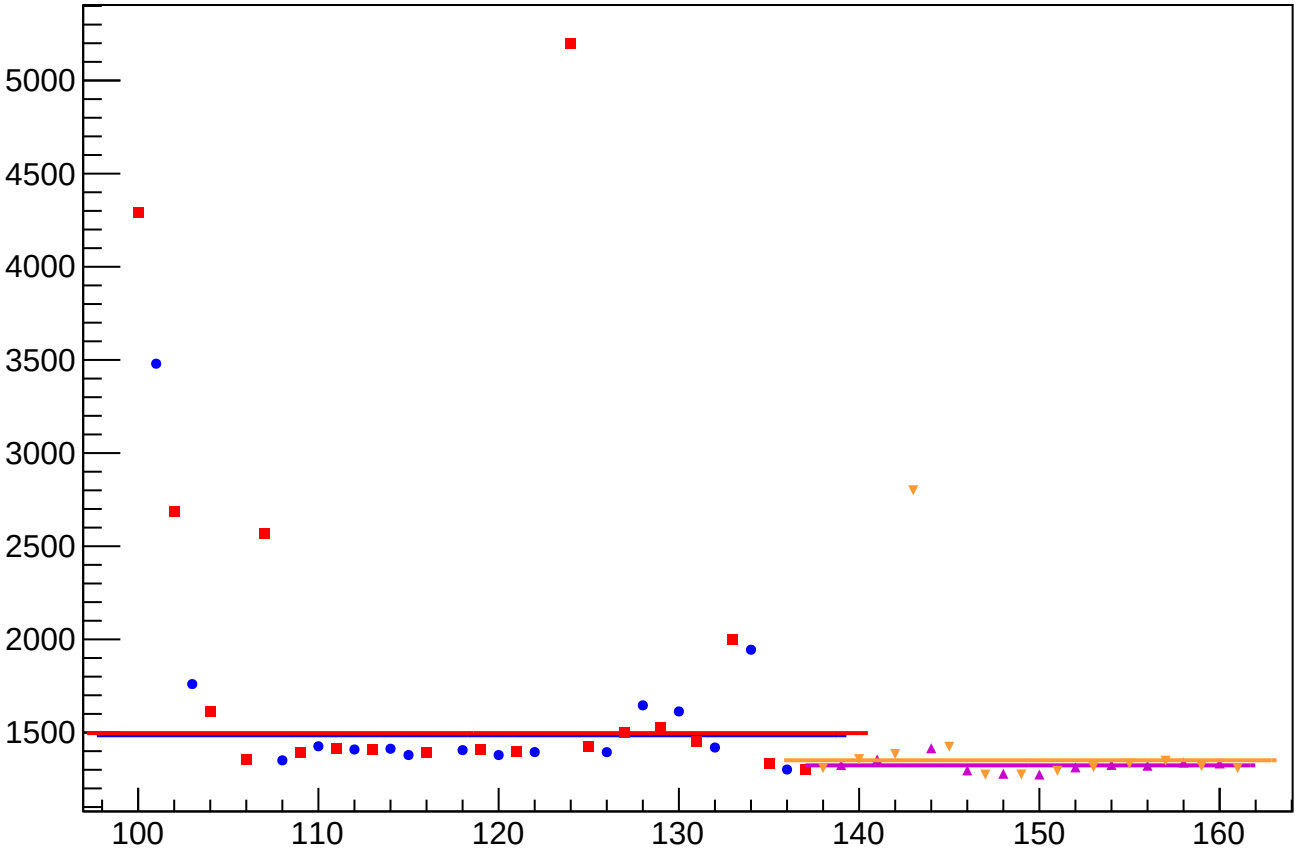
Left In: 657.388+/-428.345 χ^2/NDF:11.4/10

+ sign 93.120+/-339.130 χ^2/NDF: 29.0/28

All: 356.842+/-240.715 χ^2/NDF: 52.9/58

- sign 624.621+/-341.729 χ^2/NDF: 22.7/29

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1350.998+/-0.300 χ^2/NDF:462116.1/12

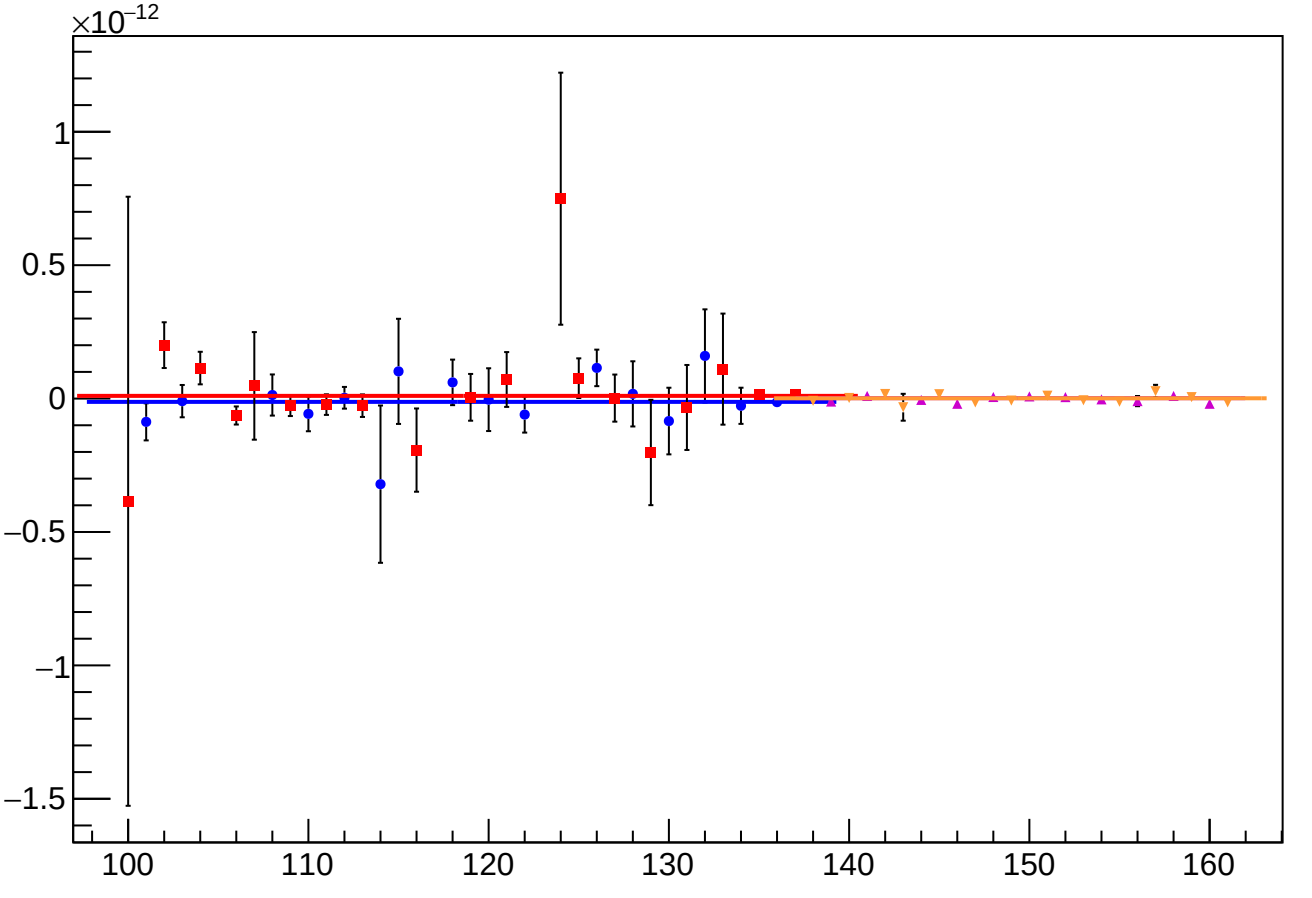
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1323.807+/-0.303 χ^2/NDF:14526.0/10

+ sign 1399.518+/-0.240 χ^2/NDF: 1119024.4/28

All: 1393.168+/-0.170 χ^2/NDF: 1876935.6/58

- sign 1386.720+/-0.242 χ^2/NDF: 756497.7/29



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/12

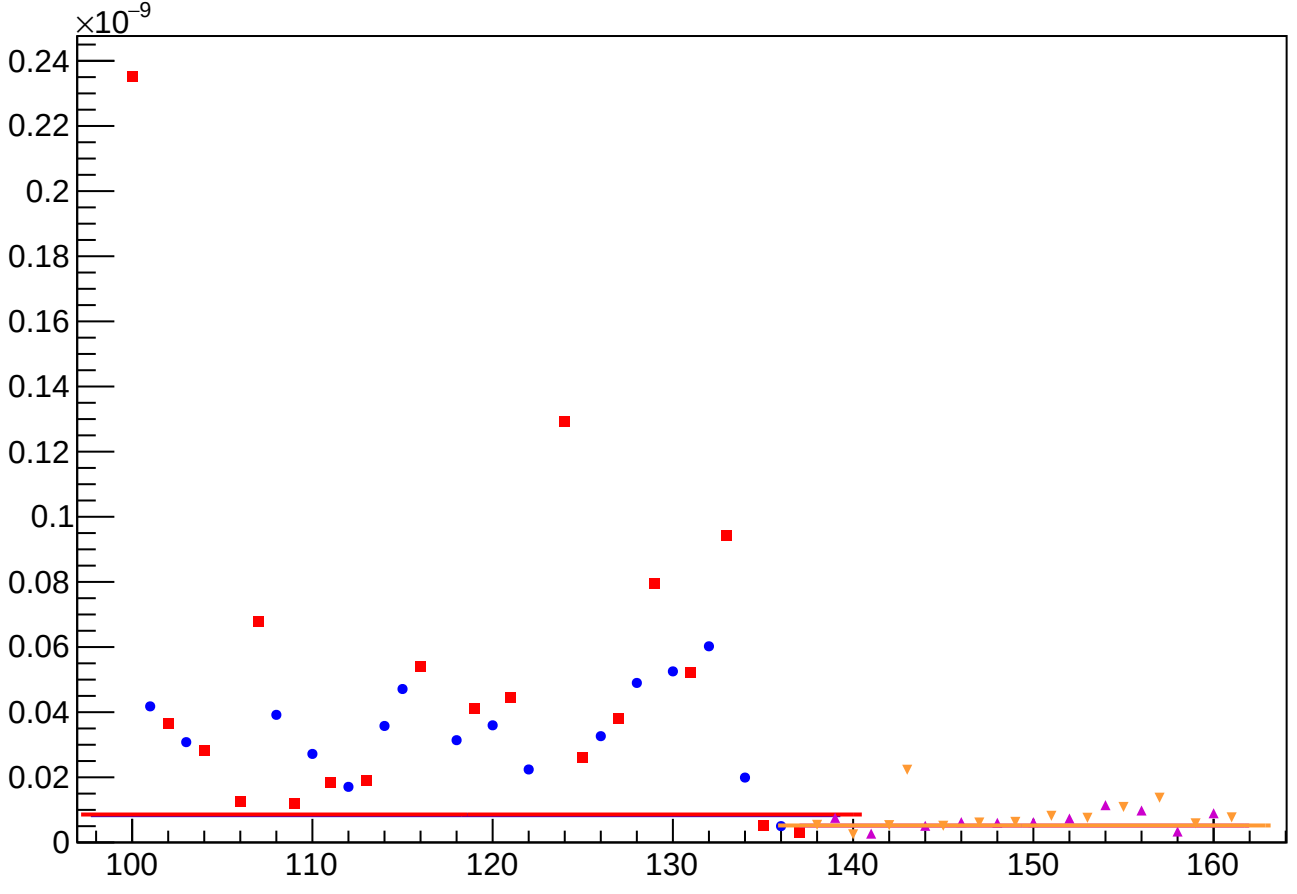
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 26.0/28

All: 0.000+/-0.000 χ^2/NDF: 62.9/58

- sign 0.000+/-0.000 χ^2/NDF: 36.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1617555.7/12

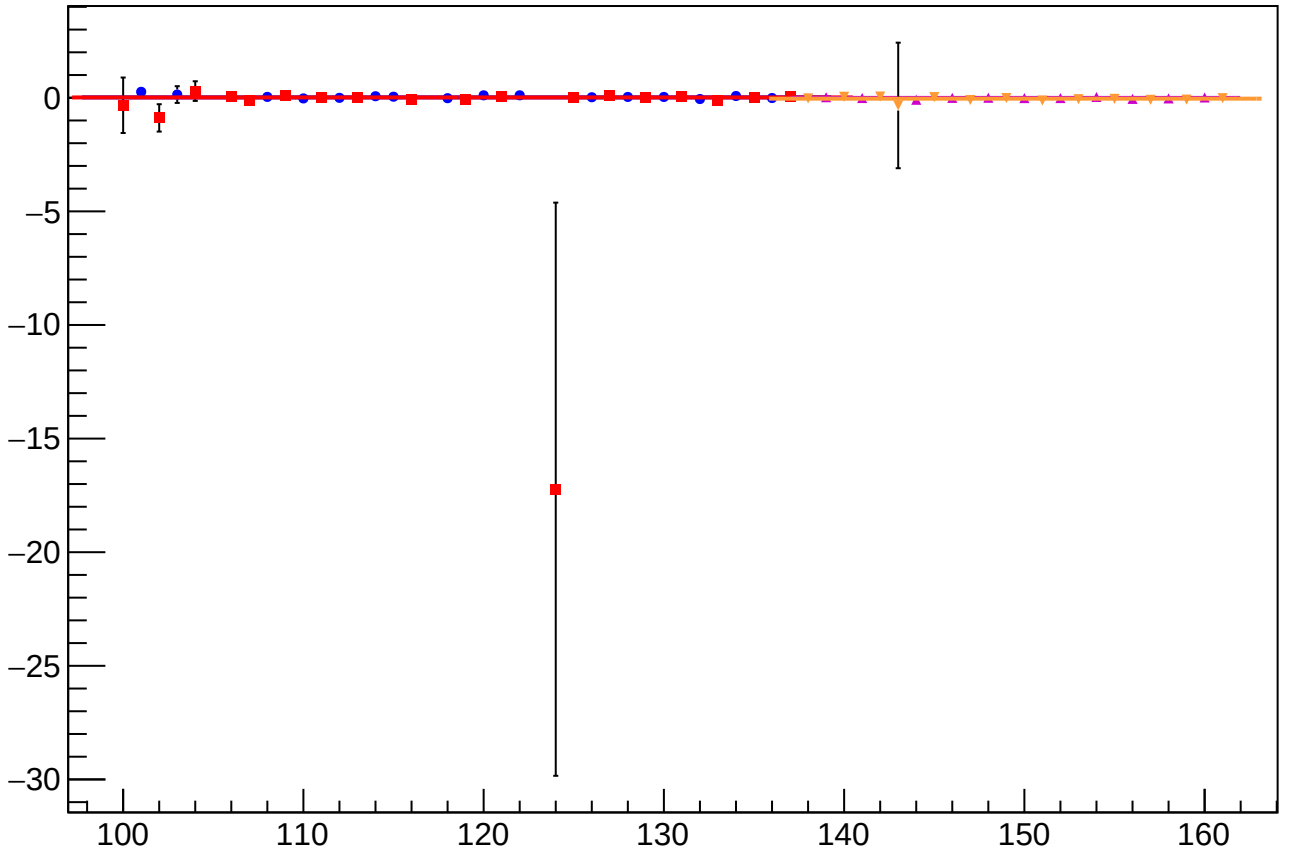
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1207527.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 4994554.6/28

All: 0.000+/-0.000 χ^2/NDF: 9871181.6/58

- sign 0.000+/-0.000 χ^2/NDF: 4876245.9/29



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.012 χ^2/NDF:17.5/12

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

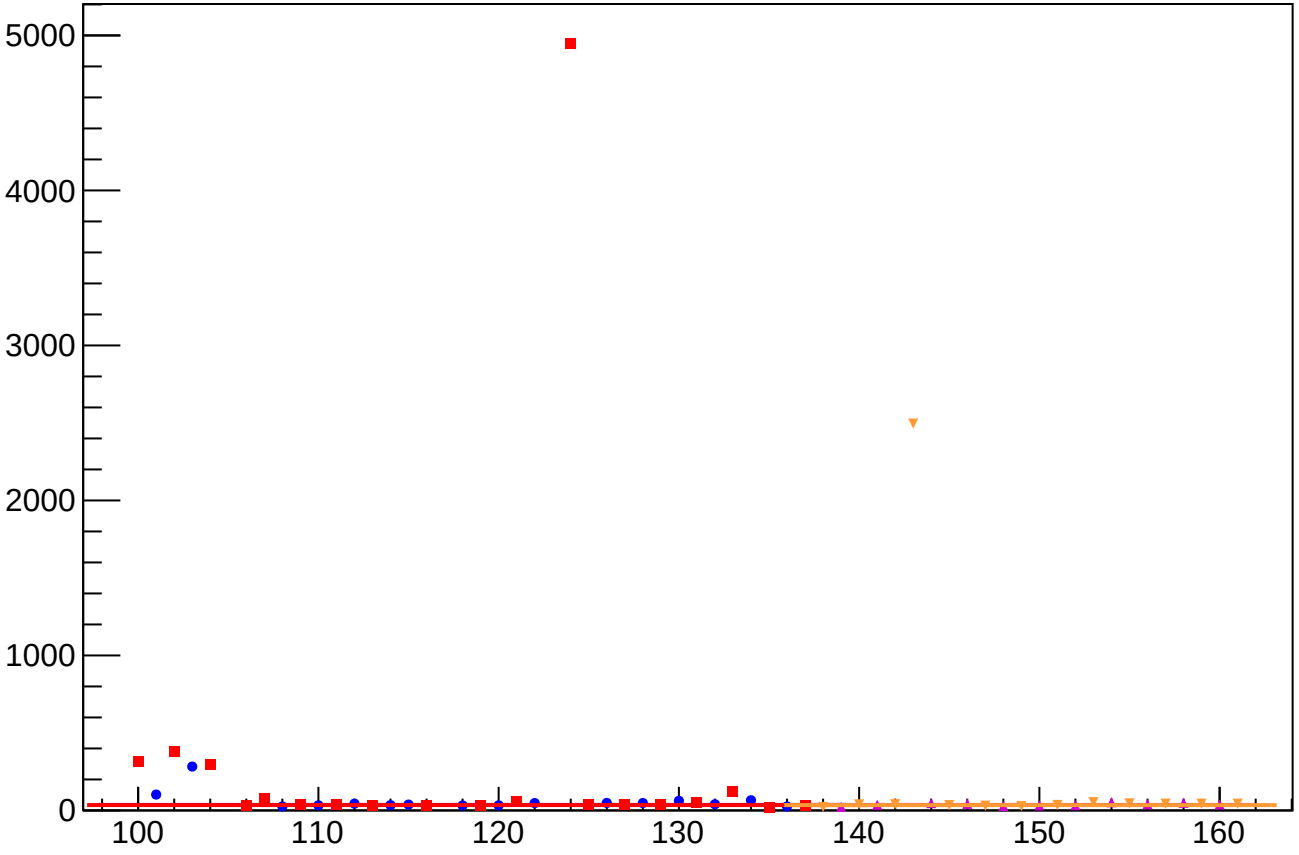
Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/28

All: -0.009+/-0.007 χ^2/NDF: 61.6/58

- sign 0.001+/-0.010 χ^2/NDF: 22.3/29

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 34.531+/-0.009 χ^2/NDF:2600715.8/12

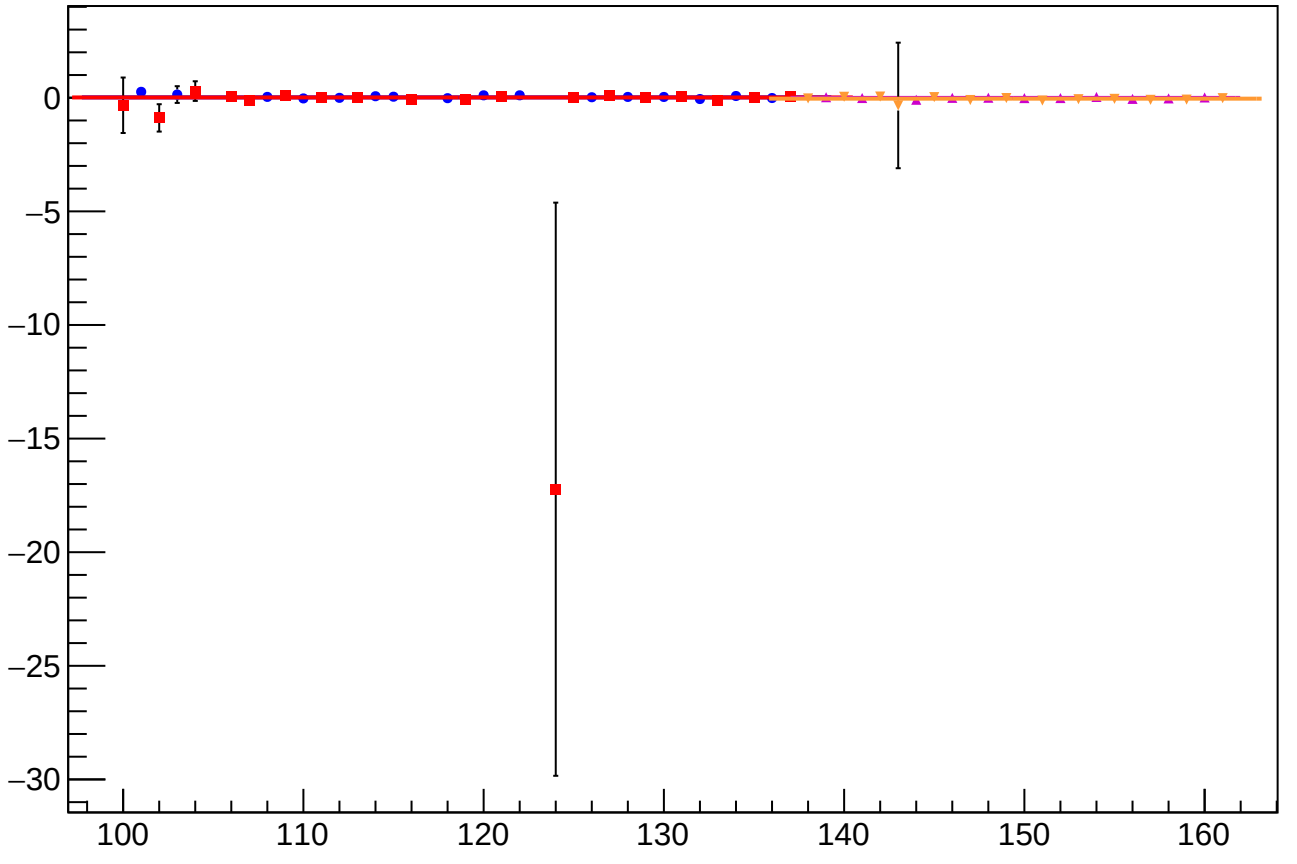
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.469+/-0.009 χ^2/NDF:922702.9/10

+ sign 34.998+/-0.007 χ^2/NDF: 4873056.5/28

All: 35.098+/-0.005 χ^2/NDF: 8712592.1/58

- sign 35.204+/-0.007 χ^2/NDF: 3839084.1/29



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.012 χ^2/NDF:17.5/12

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

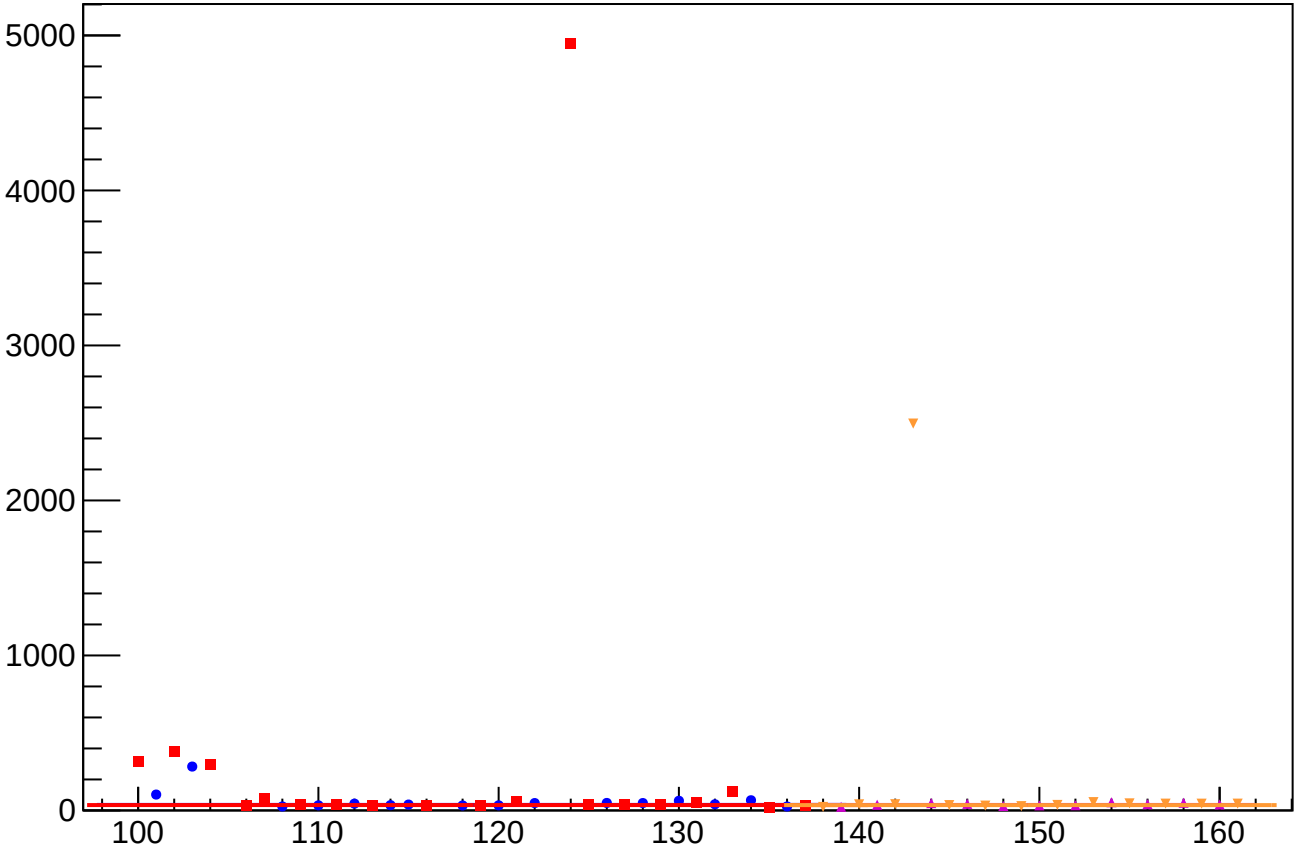
Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/28

All: -0.009+/-0.007 χ^2/NDF: 61.6/58

- sign 0.001+/-0.010 χ^2/NDF: 22.3/29

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 34.531+/-0.009 χ^2/NDF:2600715.8/12

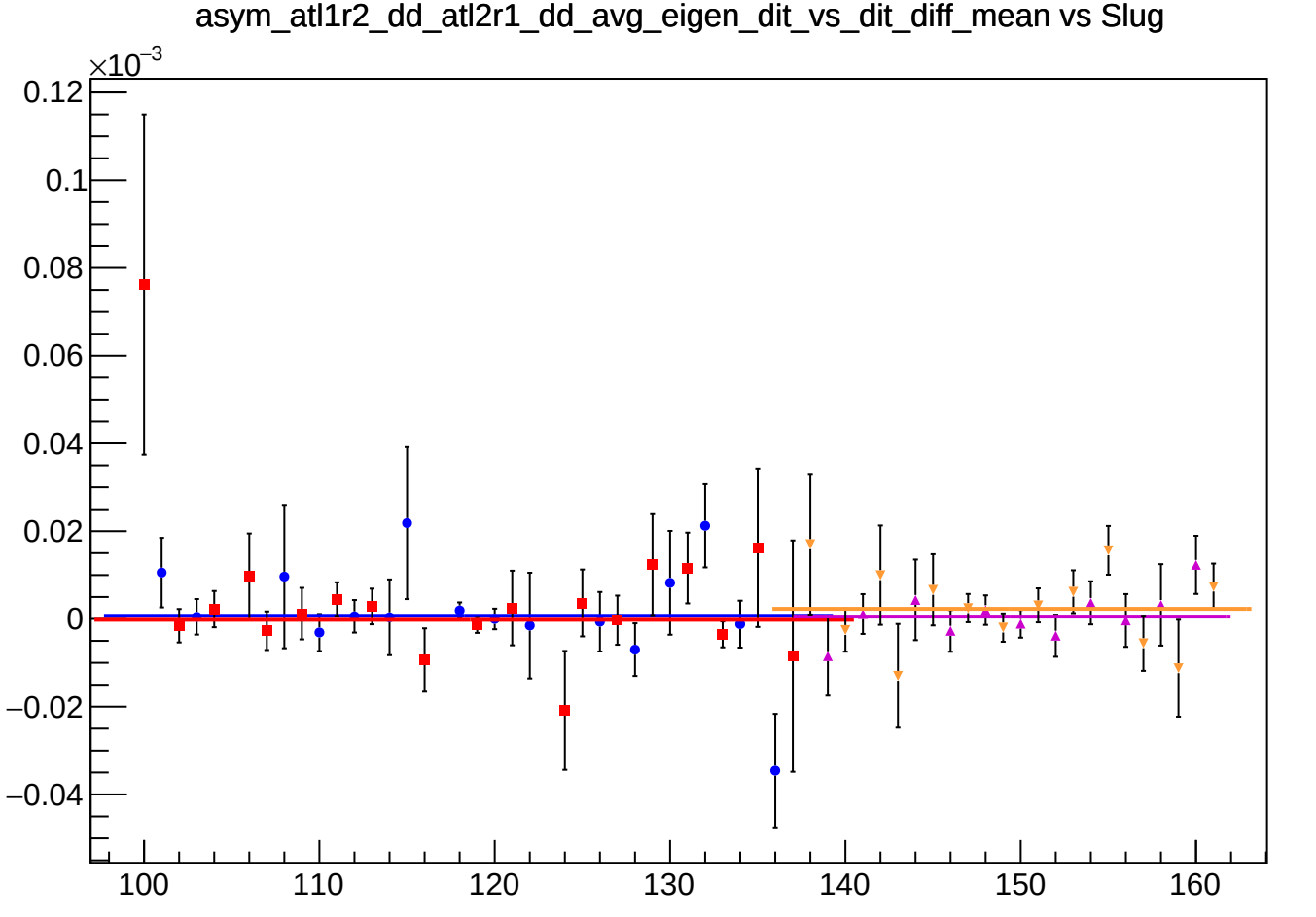
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

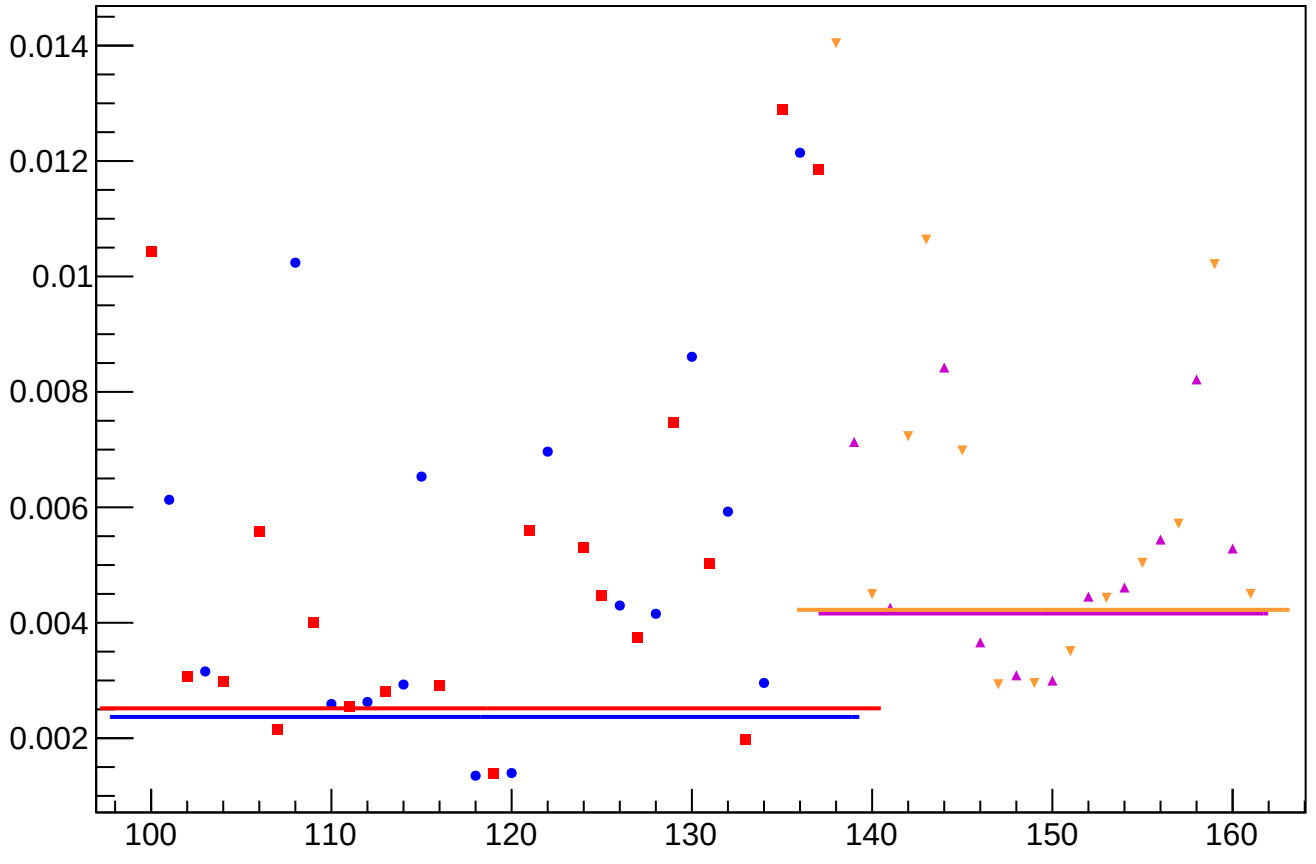
Left In: 35.469+/-0.009 χ^2/NDF:922702.9/10

+ sign 34.998+/-0.007 χ^2/NDF: 4873056.5/28

All: 35.098+/-0.005 χ^2/NDF: 8712592.1/58

- sign 35.204+/-0.007 χ^2/NDF: 3839084.1/29


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 19.1/15
Left Out: 0.000+/-0.000 χ²/NDF:16.4/12
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: 0.000+/-0.000 χ²/NDF:6.6/10
+ sign 0.000+/-0.000 χ²/NDF: 36.3/28
All: 0.000+/-0.000 χ²/NDF: 62.2/58
- sign 0.000+/-0.000 χ²/NDF: 24.9/29



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3166235.6/12

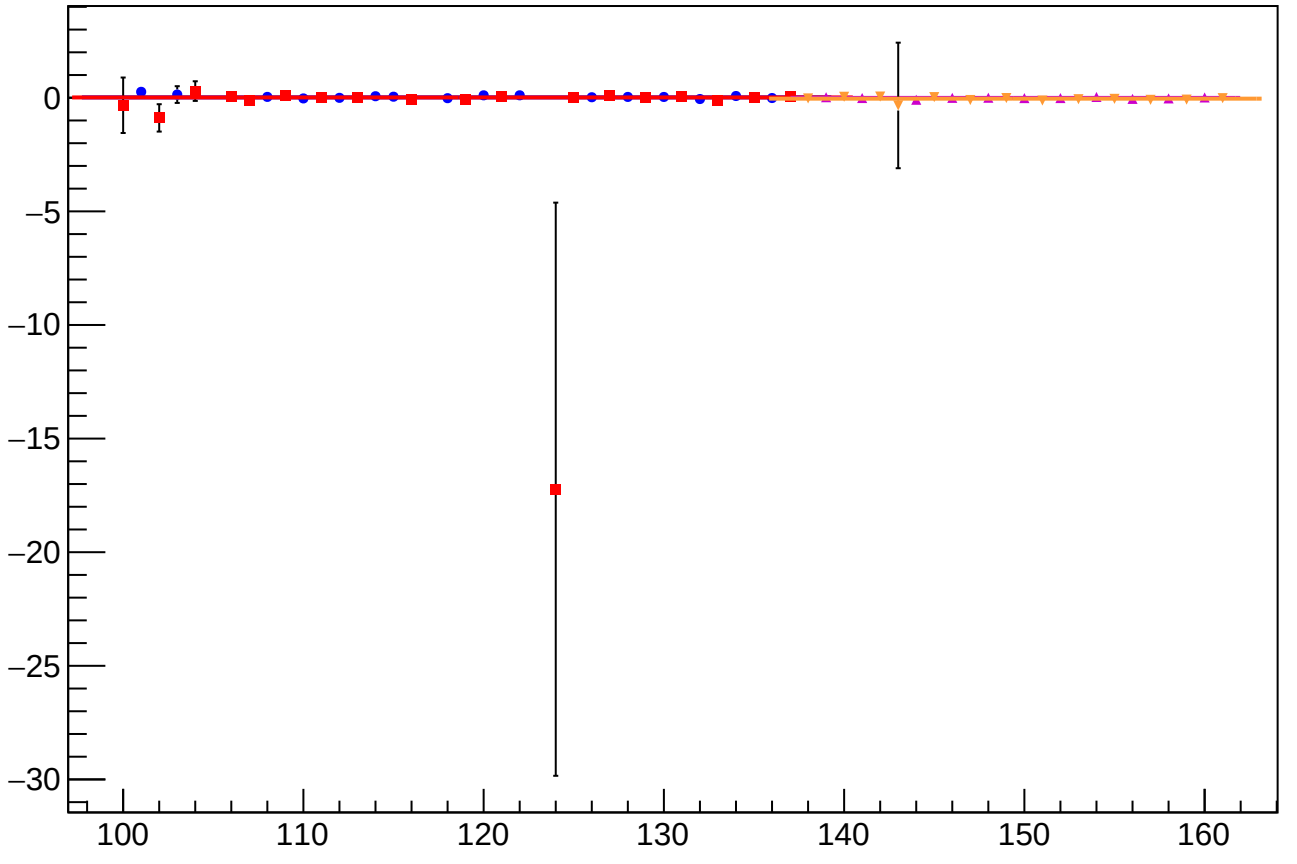
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1697642.3/10

+ sign 0.003+/-0.000 χ^2/NDF: 9964529.8/28

All: 0.003+/-0.000 χ^2/NDF: 16672382.7/58

- sign 0.003+/-0.000 χ^2/NDF: 6707320.5/29



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.012 χ^2/NDF:17.5/12

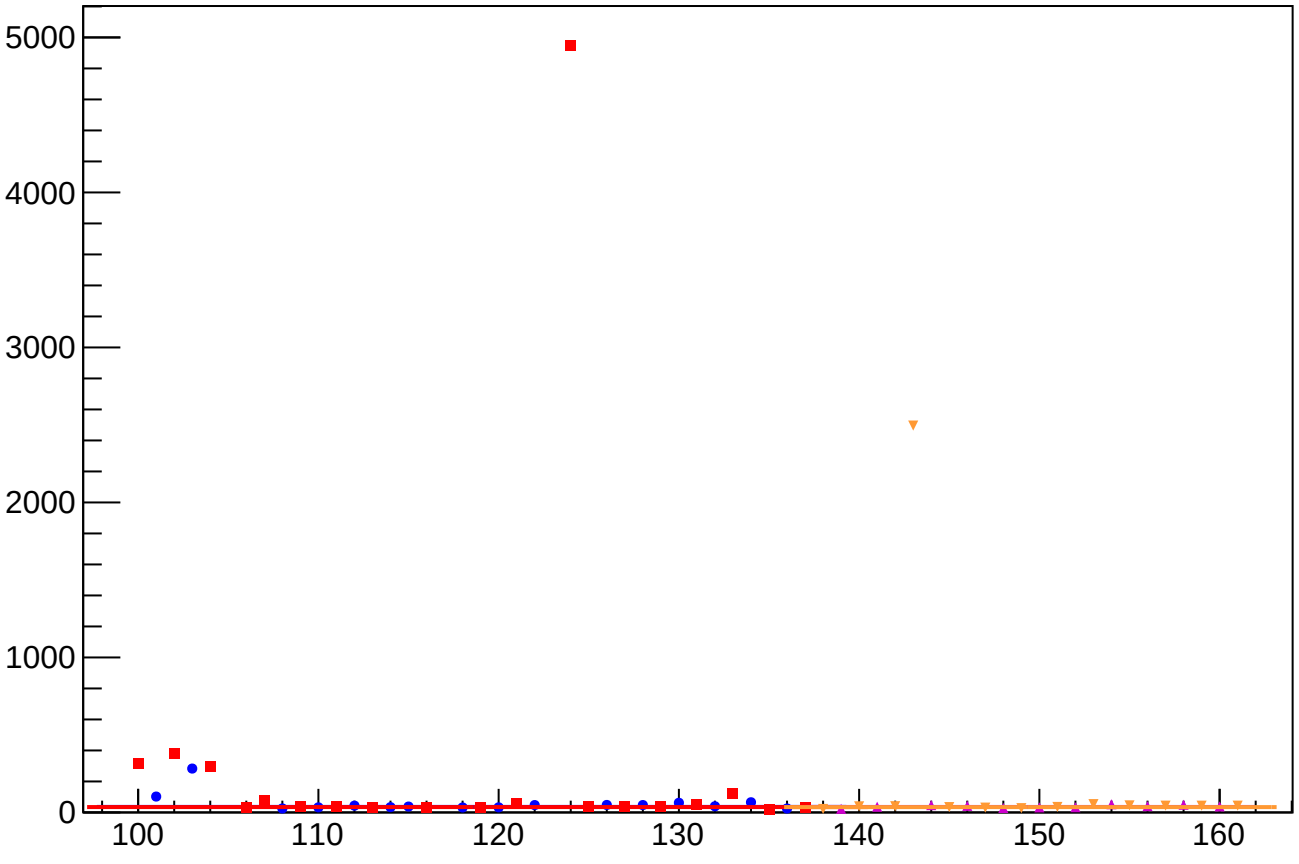
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/28

All: -0.009+/-0.007 χ^2/NDF: 61.6/58

- sign 0.001+/-0.010 χ^2/NDF: 22.3/29



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 34.531+/-0.009 χ^2/NDF:2601000.5/12

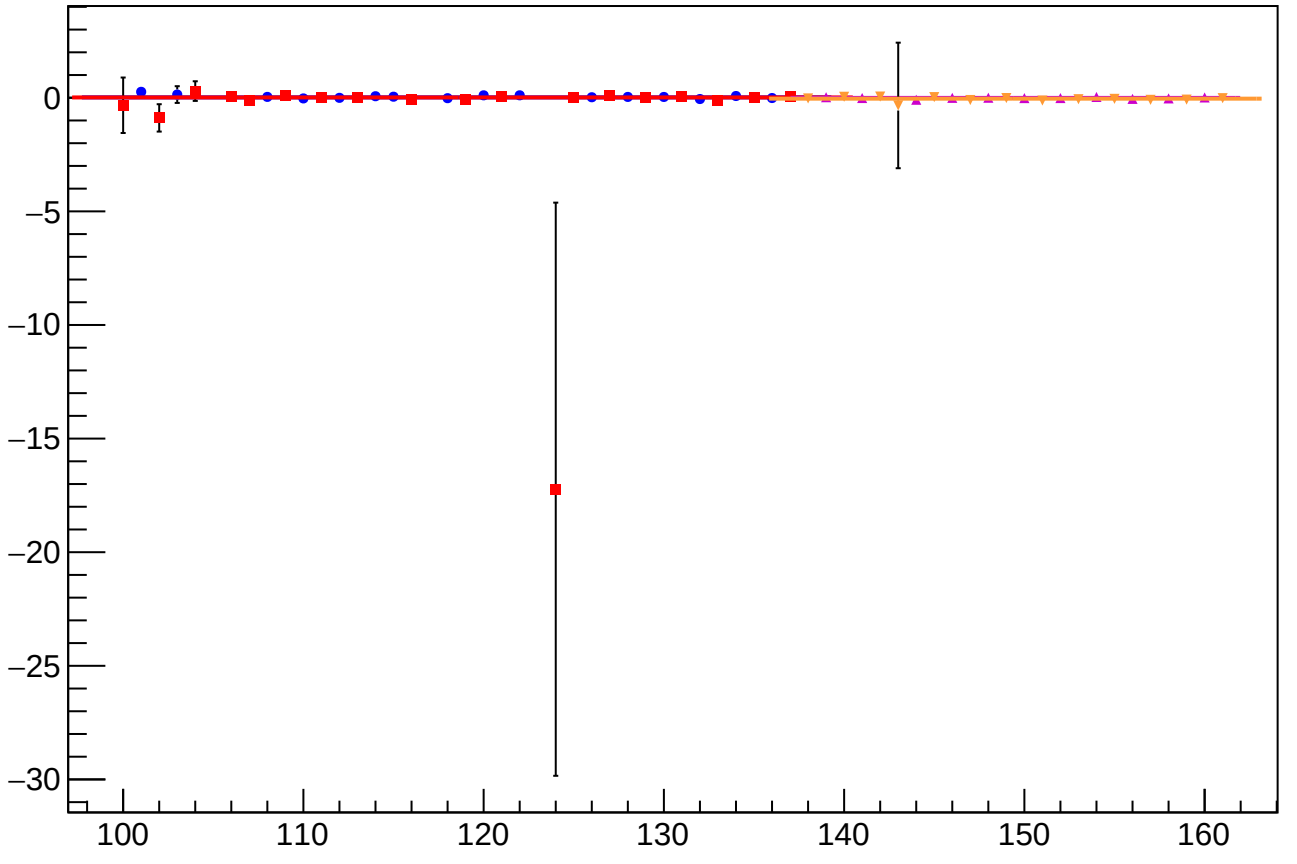
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.468+/-0.009 χ^2/NDF:923295.6/10

\+ sign 34.998+/-0.007 χ^2/NDF: 4873083.8/28

All: 35.098+/-0.005 χ^2/NDF: 8713020.2/58

\- sign 35.203+/-0.007 χ^2/NDF: 3839488.5/29



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.040+/-0.012 χ^2/NDF:17.5/12

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

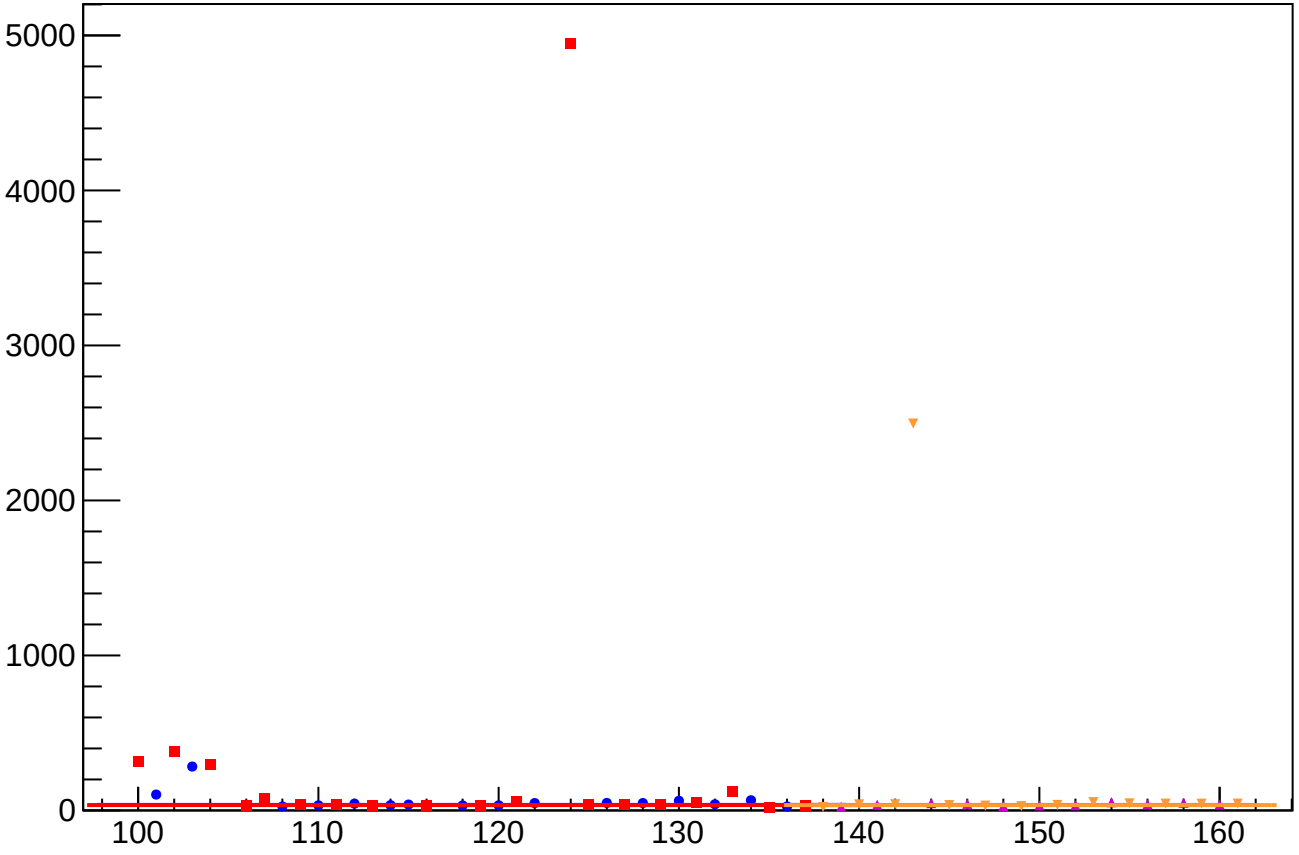
Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/28

All: -0.009+/-0.007 χ^2/NDF: 61.6/58

- sign 0.001+/-0.010 χ^2/NDF: 22.3/29

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 34.531+/-0.009 χ^2/NDF:2601000.5/12

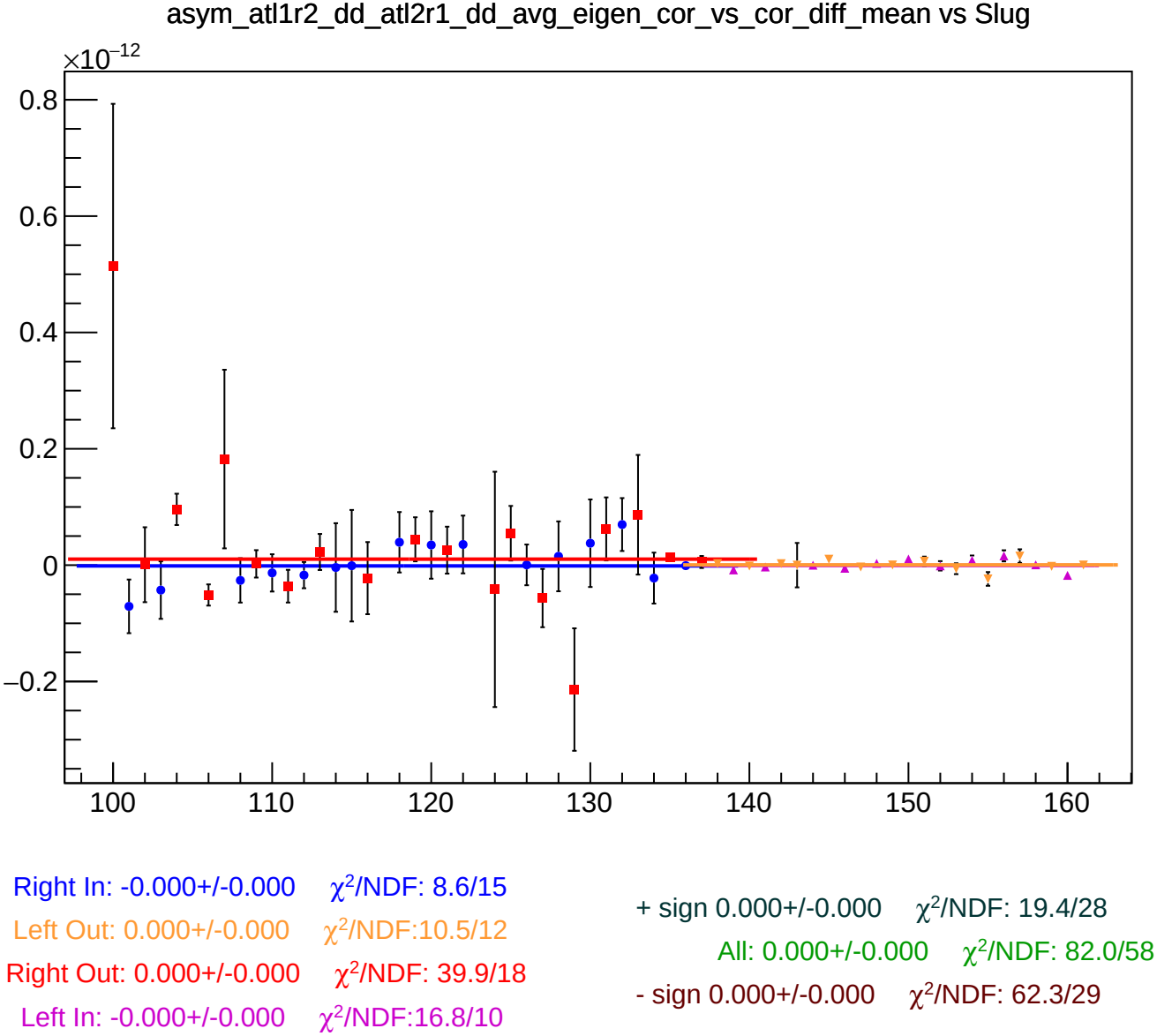
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

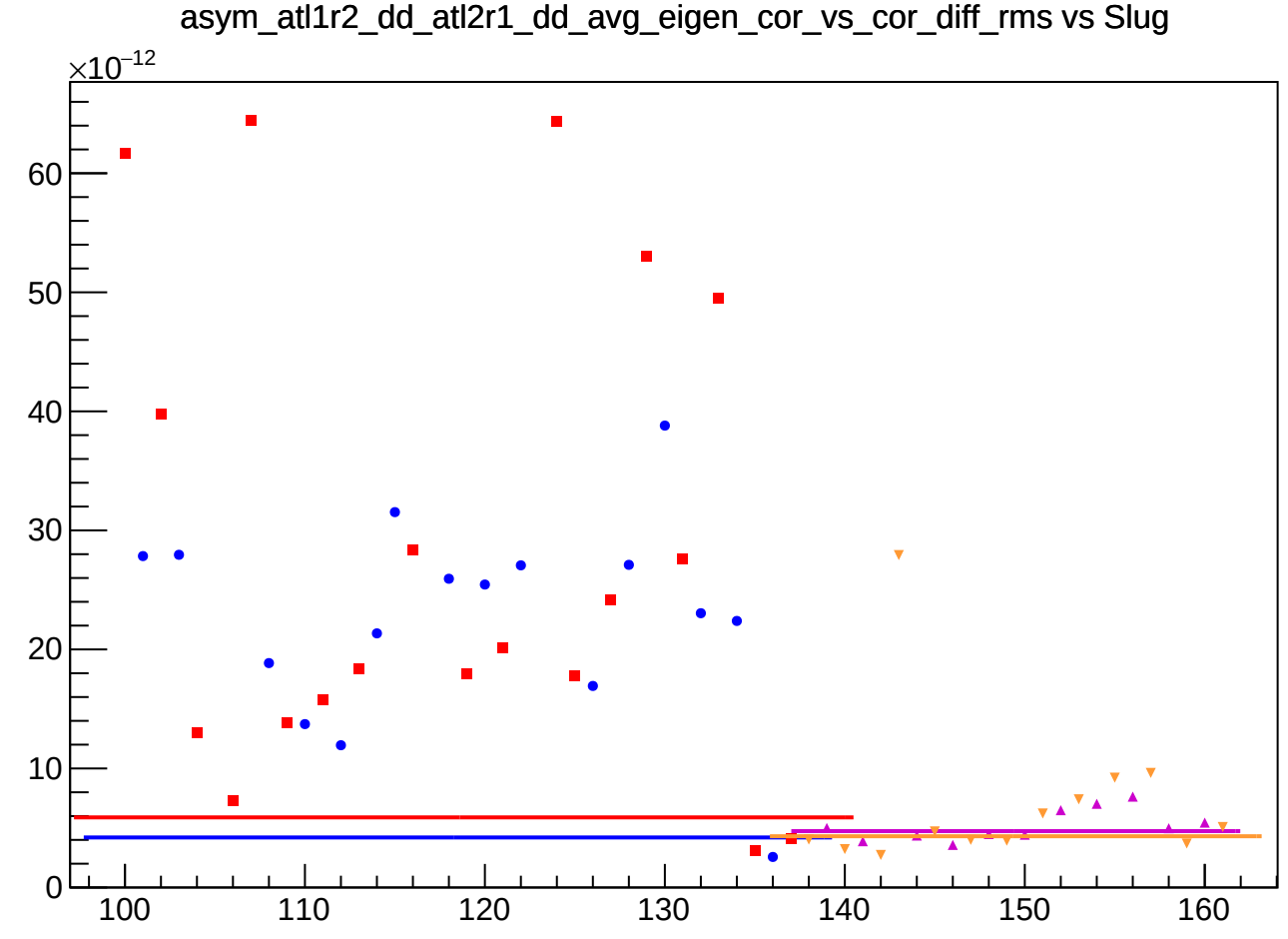
Left In: 35.468+/-0.009 χ^2/NDF:923295.6/10

+ sign 34.998+/-0.007 χ^2/NDF: 4873083.8/28

All: 35.098+/-0.005 χ^2/NDF: 8713020.2/58

- sign 35.203+/-0.007 χ^2/NDF: 3839488.5/29


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
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:10.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 39.9/18
Left In: -0.000+/-0.000 χ²/NDF:16.8/10
+ sign 0.000+/-0.000 χ²/NDF: 19.4/28
All: 0.000+/-0.000 χ²/NDF: 82.0/58
- sign 0.000+/-0.000 χ²/NDF: 62.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2277933.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

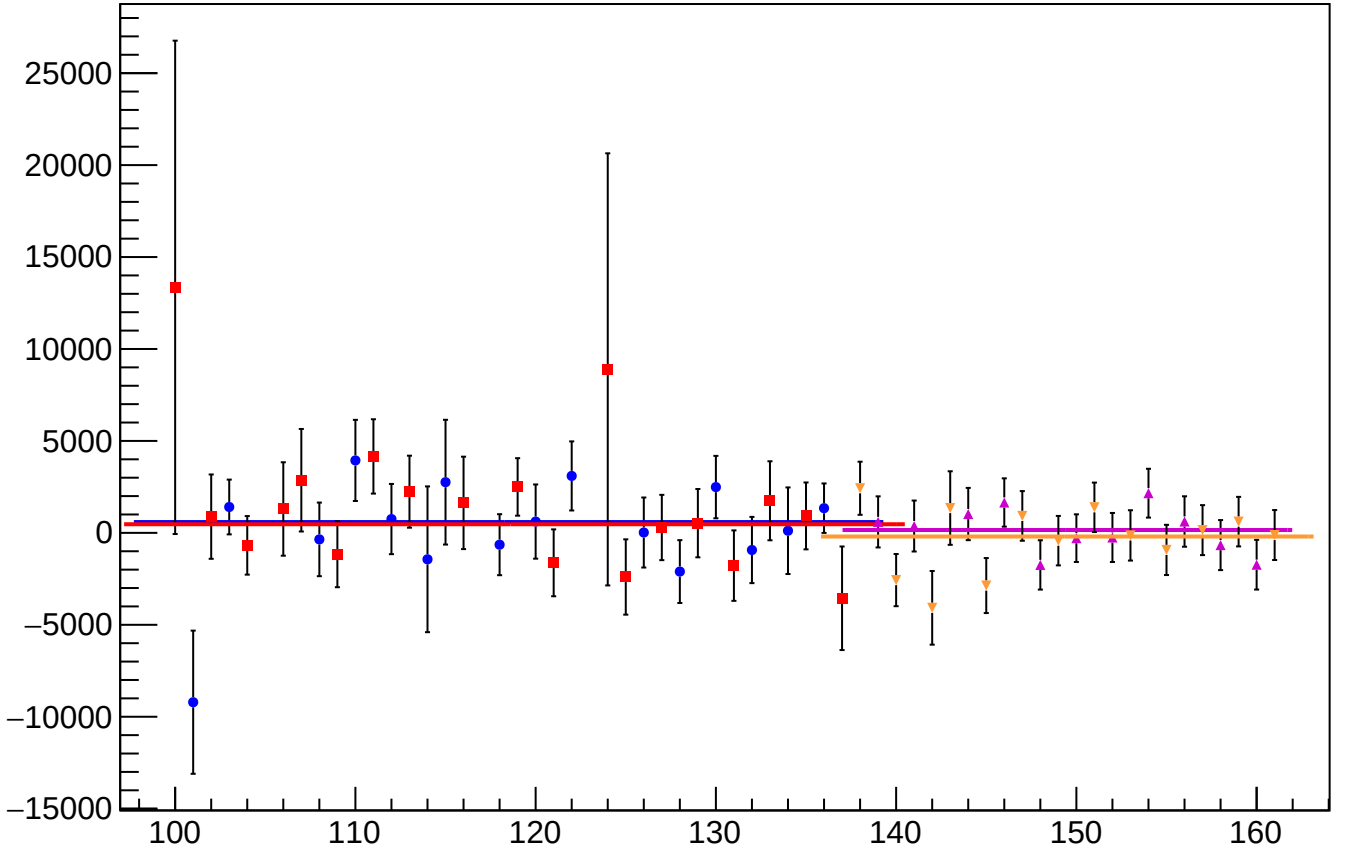
Left In: 0.000+/-0.000 χ^2/NDF:655134.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 7359562.7/28

All: 0.000+/-0.000 χ^2/NDF: 13158926.0/58

- sign 0.000+/-0.000 χ^2/NDF: 5643338.1/29

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -198.571+/-398.942 χ^2/NDF:16.5/12

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

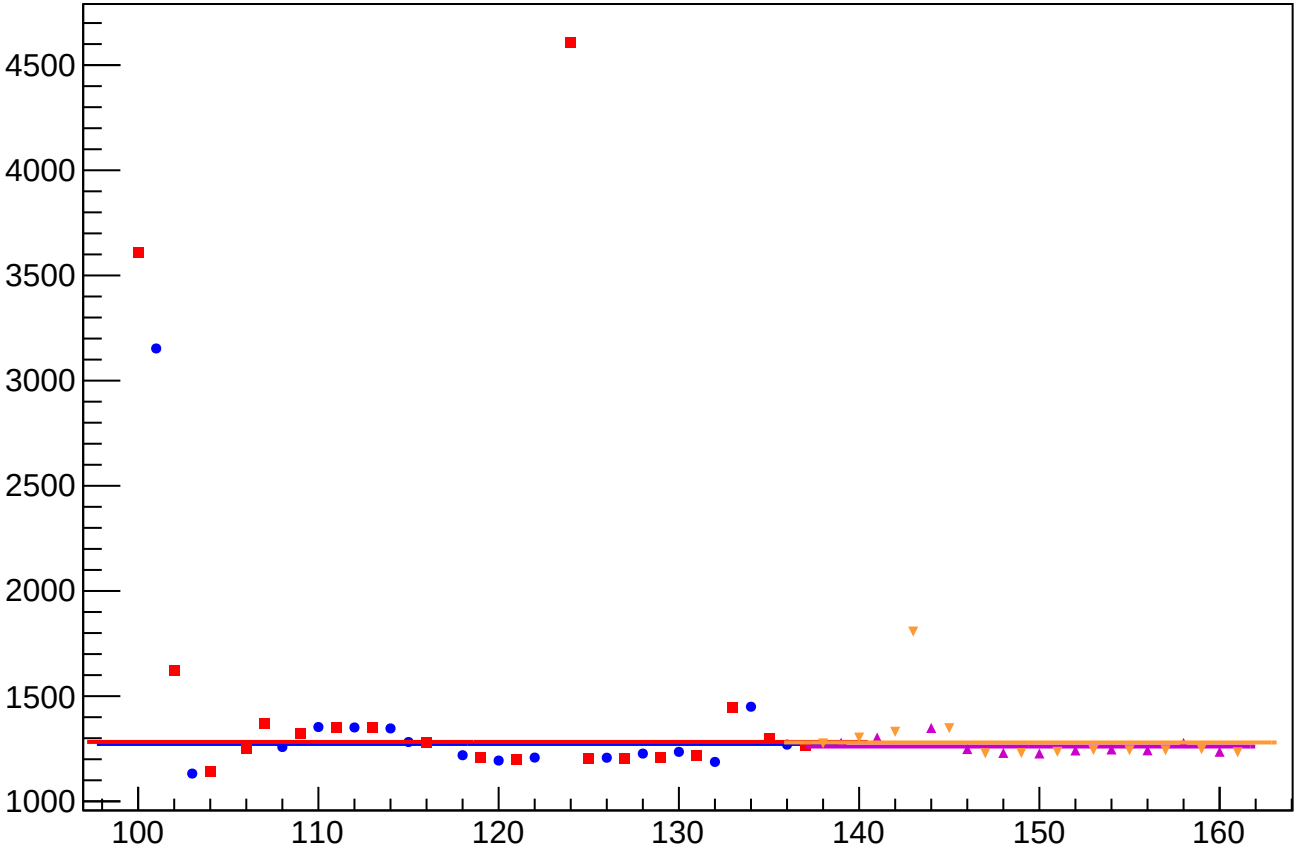
Left In: 155.093+/-407.833 χ^2/NDF:8.7/10

\+ sign 120.434+/-307.441 χ^2/NDF: 35.1/28

All: 202.547+/-218.619 χ^2/NDF: 61.1/58

\- sign 286.539+/-310.937 χ^2/NDF: 25.8/29

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1279.871+/-0.282 χ^2/NDF:160664.7/12

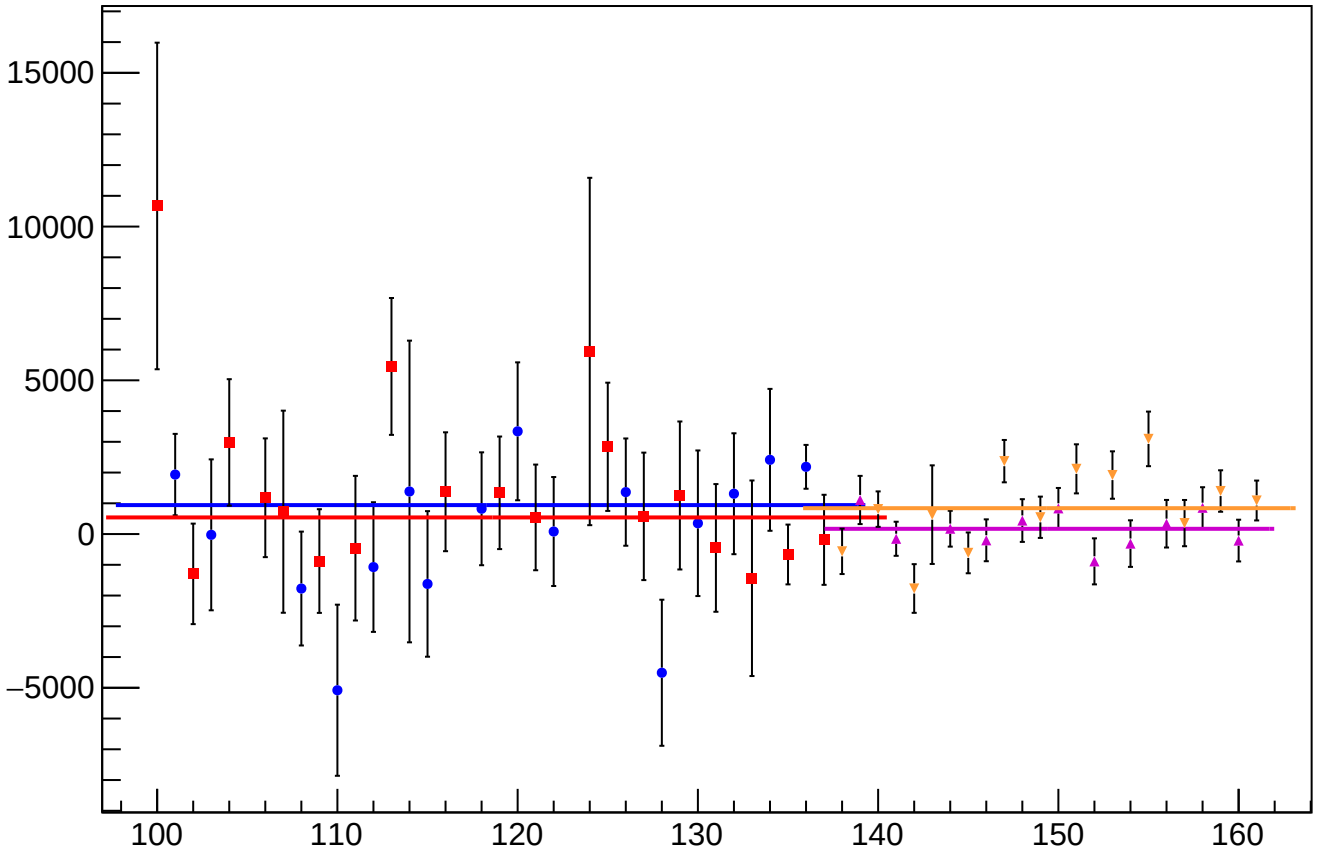
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

+ sign 1277.001+/-0.217 χ^2/NDF: 680217.8/28

All: 1273.365+/-0.155 χ^2/NDF: 1019629.7/58

- sign 1269.646+/-0.220 χ^2/NDF: 338846.1/29



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 841.226+/-202.894 χ^2/NDF:36.7/12

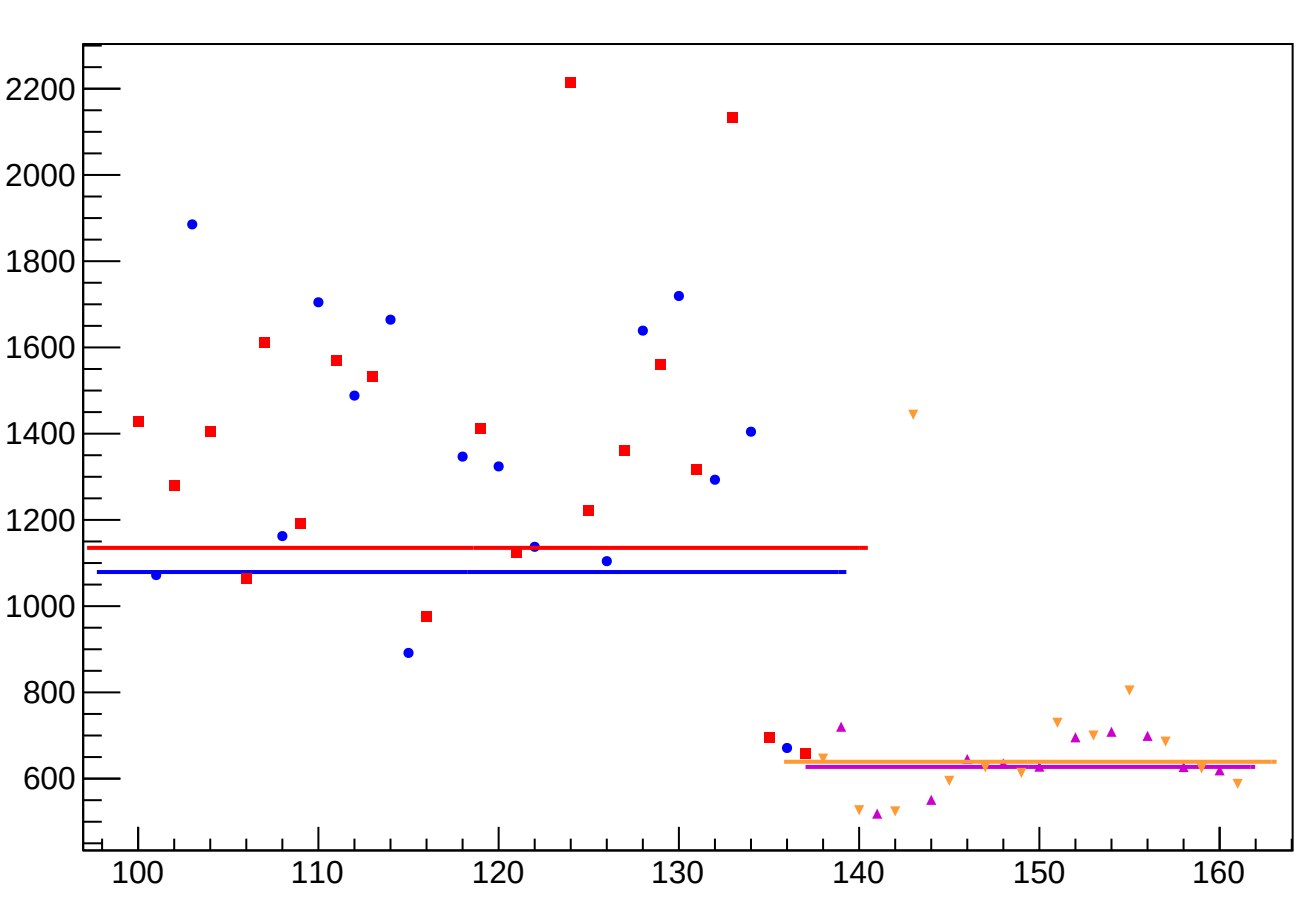
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 170.401+/-204.394 χ^2/NDF:7.0/10

\+ sign 859.826+/-183.166 χ^2/NDF: 56.6/28

All: 551.698+/-130.288 χ^2/NDF: 87.1/58

\- sign 236.135+/-185.363 χ^2/NDF: 24.8/29



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 639.086+/-0.143 χ^2/NDF:763491.9/12

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

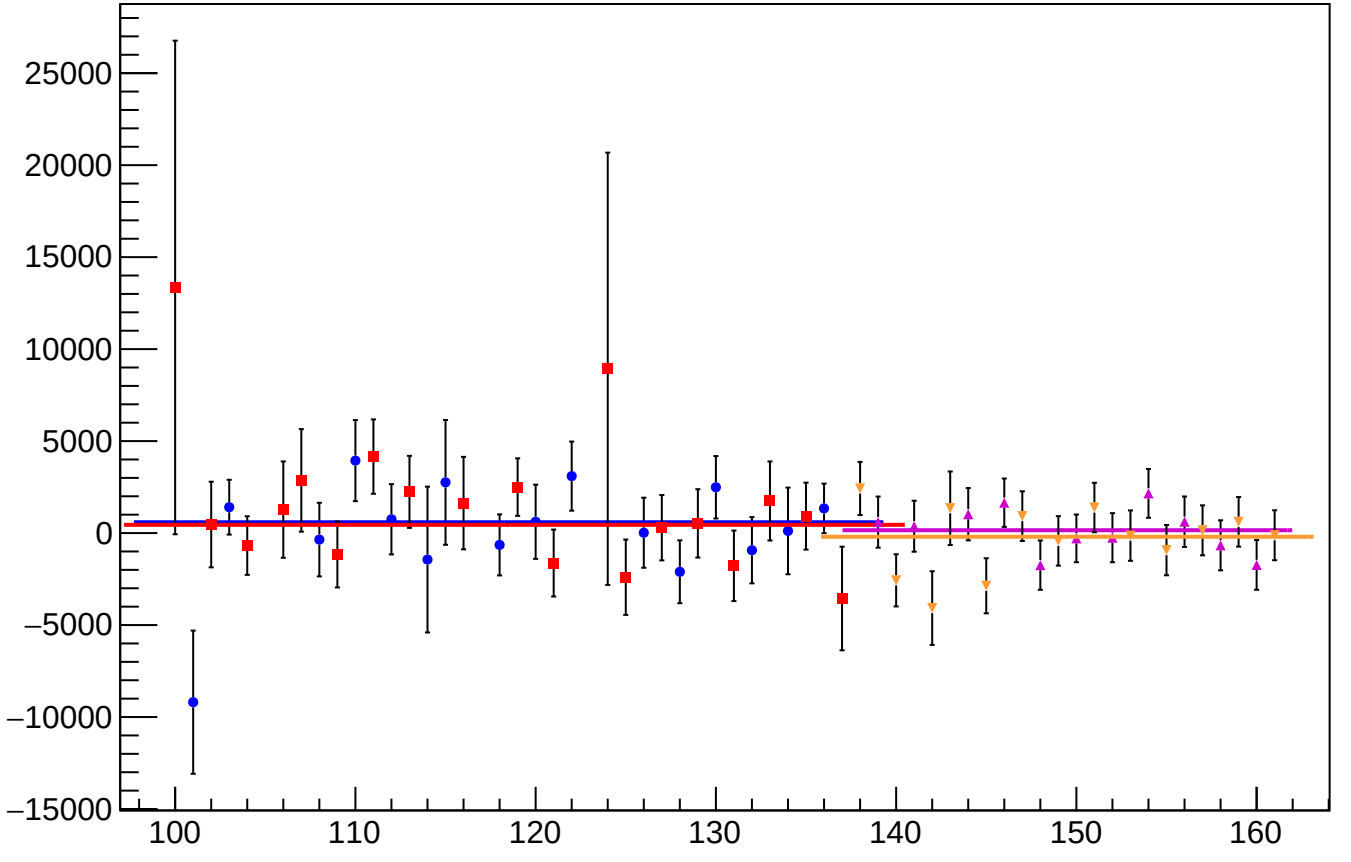
Left In: 627.151+/-0.145 χ^2/NDF:198310.9/10

+ sign 720.498+/-0.130 χ^2/NDF: 3986190.0/28

All: 718.943+/-0.092 χ^2/NDF: 7671515.6/58

- sign 717.349+/-0.131 χ^2/NDF: 3685033.5/29

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -198.688+/-398.942 χ^2/NDF:16.5/12

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

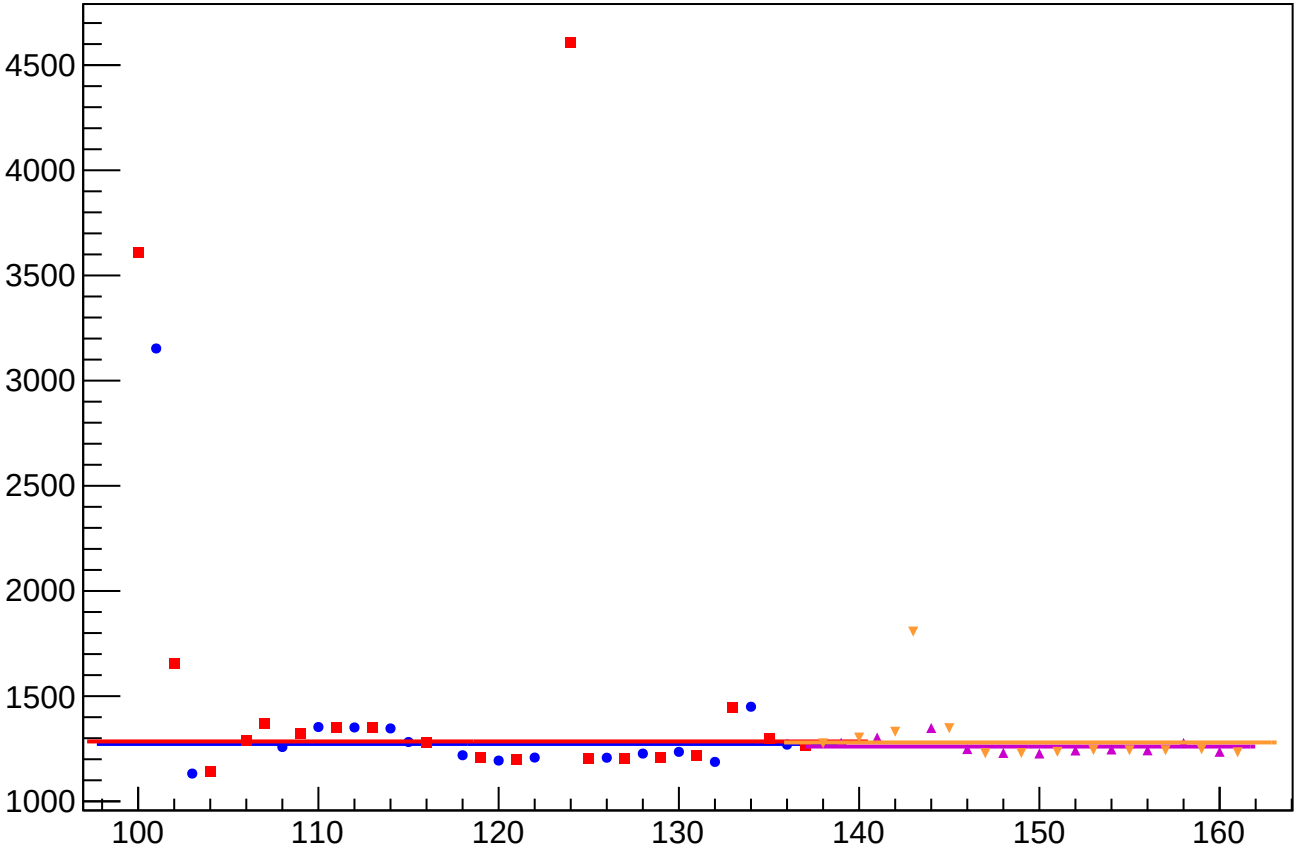
Left In: 155.064+/-407.833 χ^2/NDF:8.7/10

\+ sign 120.494+/-307.441 χ^2/NDF: 35.1/28

All: 198.129+/-218.696 χ^2/NDF: 60.9/58

\- sign 277.654+/-311.158 χ^2/NDF: 25.7/29

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1279.871+/-0.282 χ^2/NDF:160664.7/12

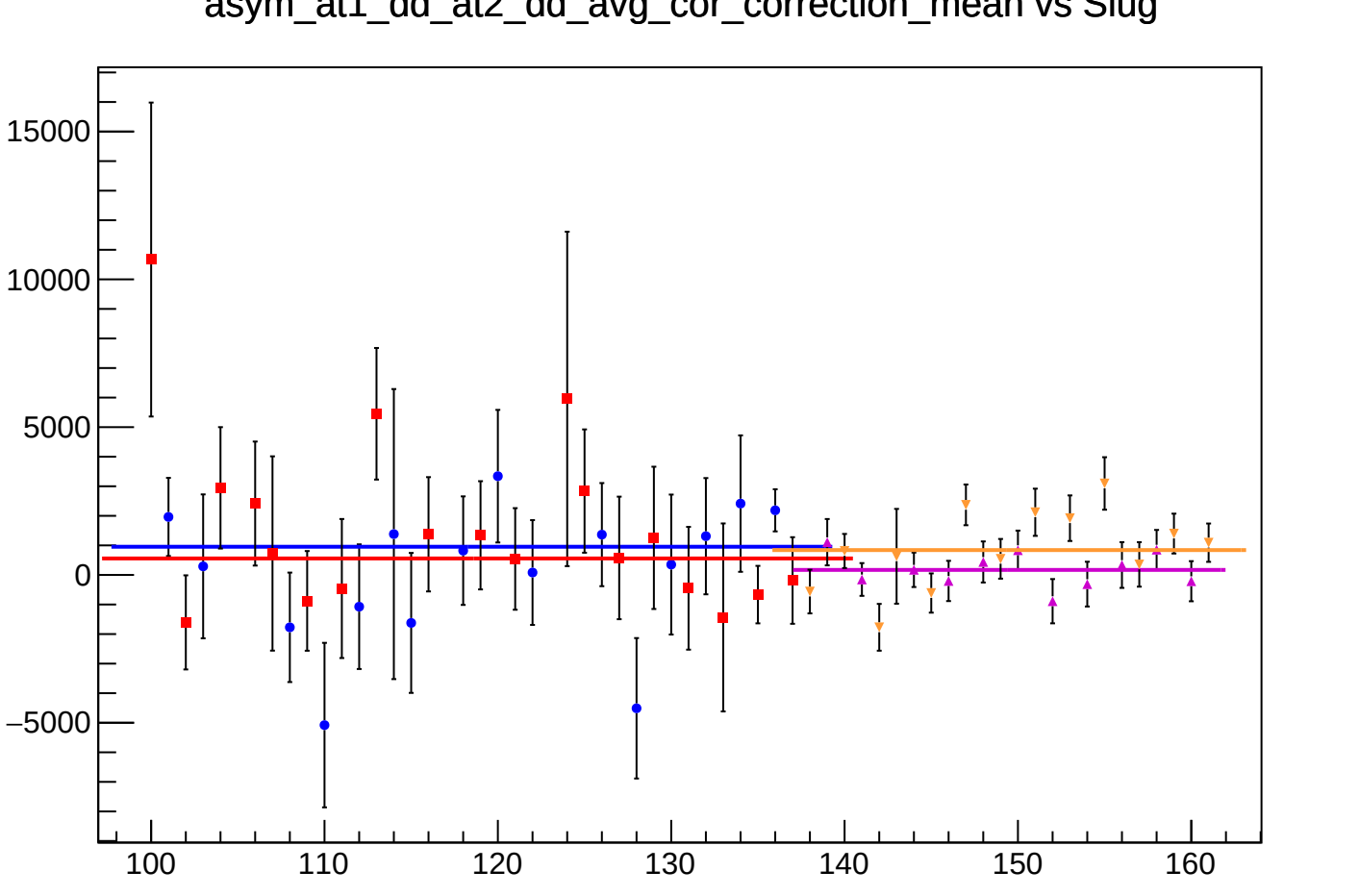
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

+ sign 1277.001+/-0.217 χ^2/NDF: 680219.2/28

All: 1273.832+/-0.155 χ^2/NDF: 1026676.9/58

- sign 1270.585+/-0.220 χ^2/NDF: 346027.4/29



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 841.185+/-202.896 χ^2/NDF:36.7/12

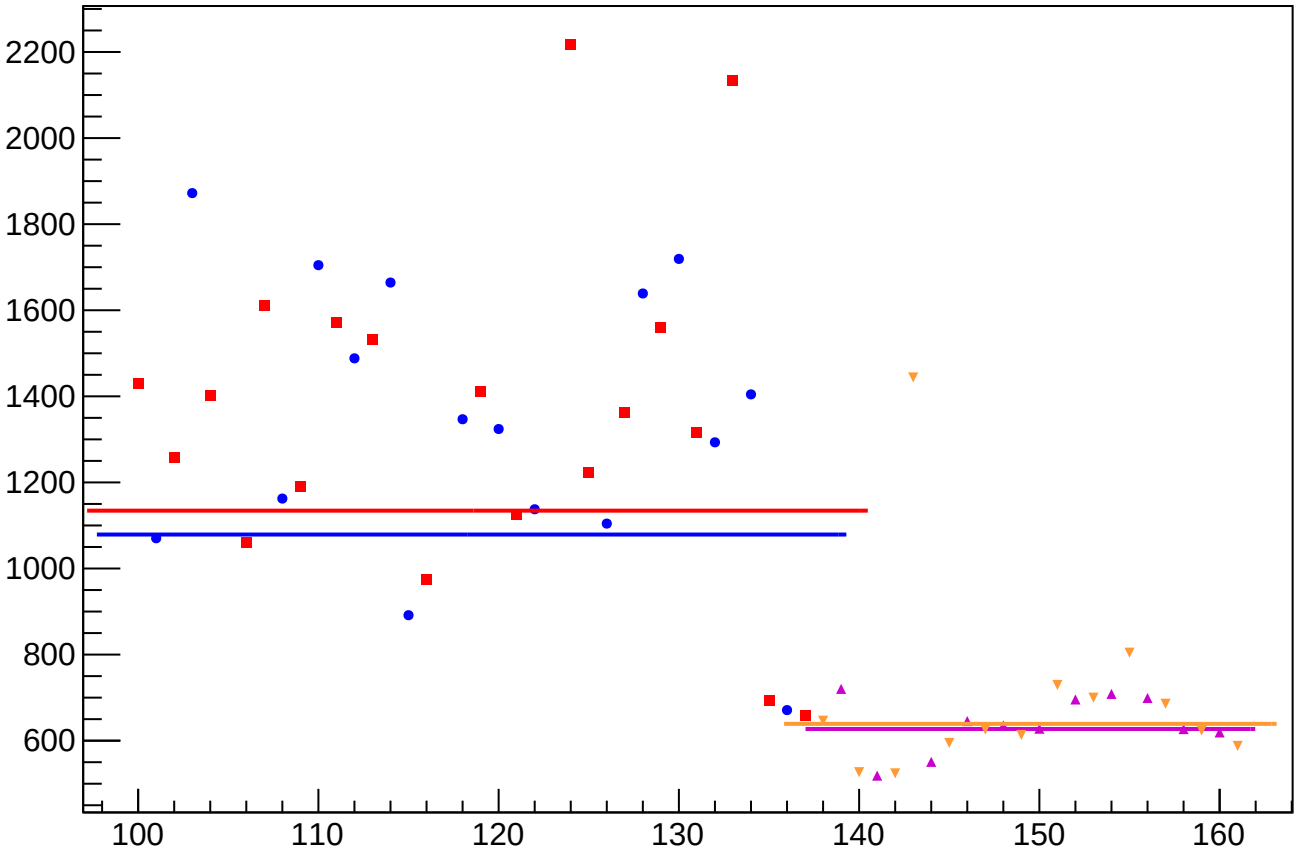
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 170.370+/-204.393 χ^2/NDF:7.0/10

+ sign 862.099+/-183.153 χ^2/NDF: 56.6/28

All: 554.373+/-130.305 χ^2/NDF: 88.4/58

- sign 238.964+/-185.426 χ^2/NDF: 26.1/29



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 639.091+/-0.143 χ^2/NDF:763406.4/12

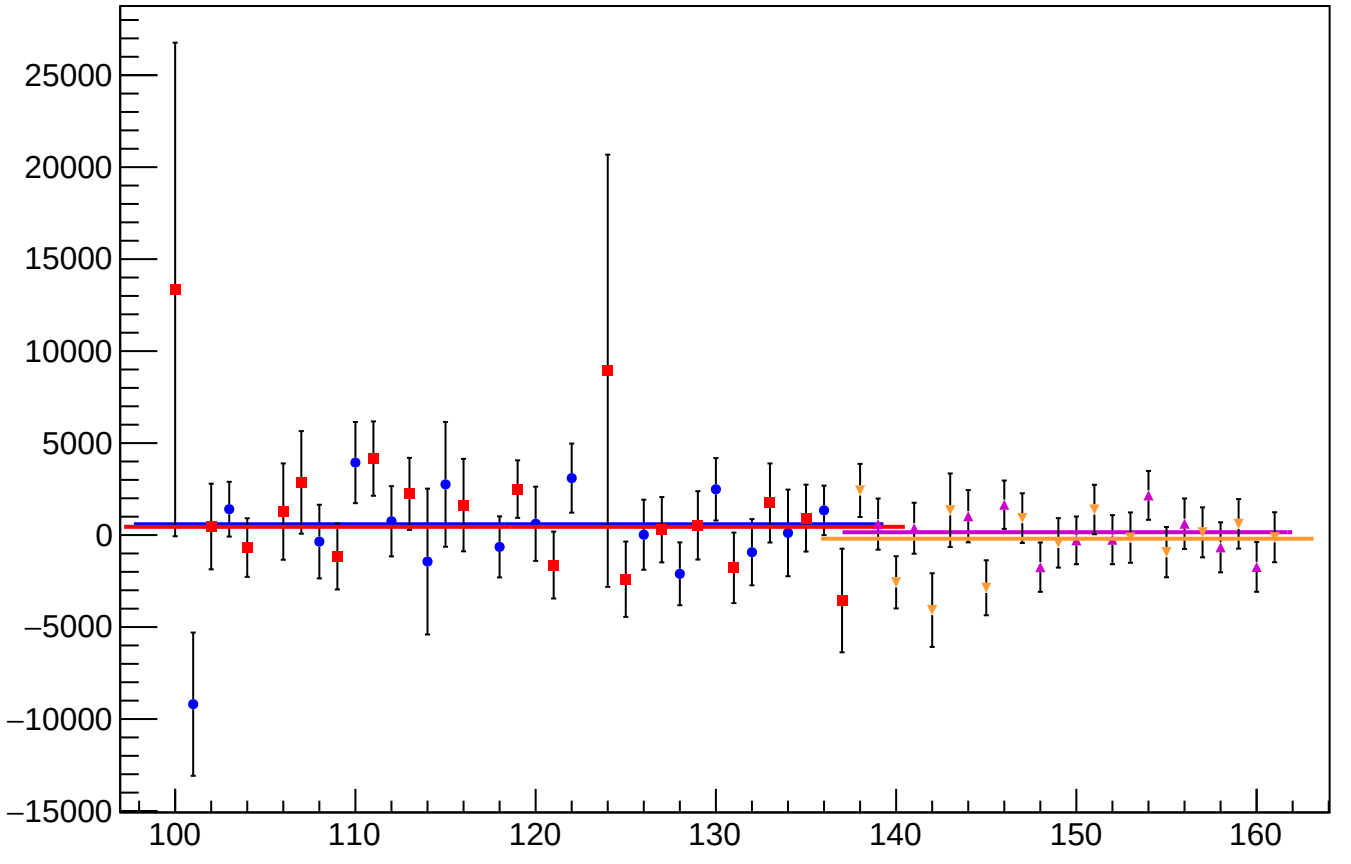
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 627.147+/-0.145 χ^2/NDF:198335.7/10

+ sign 720.523+/-0.130 χ^2/NDF: 3982240.8/28

All: 718.748+/-0.092 χ^2/NDF: 7650241.5/58

- sign 716.929+/-0.131 χ^2/NDF: 3667620.4/29



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -198.688+/-398.942 χ^2/NDF:16.5/12

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

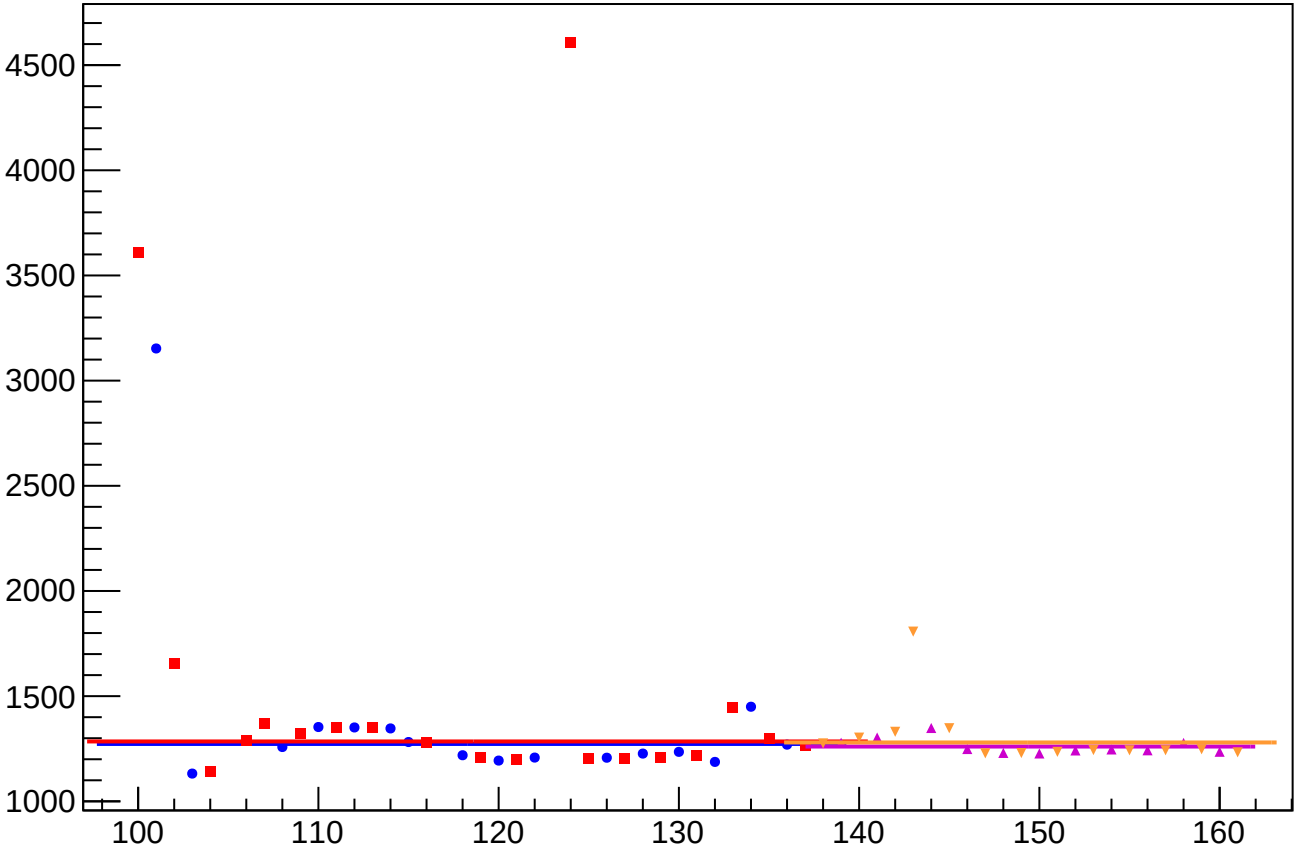
Left In: 155.064+/-407.833 χ^2/NDF:8.7/10

\+ sign 120.494+/-307.441 χ^2/NDF: 35.1/28

All: 198.129+/-218.696 χ^2/NDF: 60.9/58

\- sign 277.654+/-311.158 χ^2/NDF: 25.7/29

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: 1279.871+/-0.282 χ^2/NDF:160664.7/12

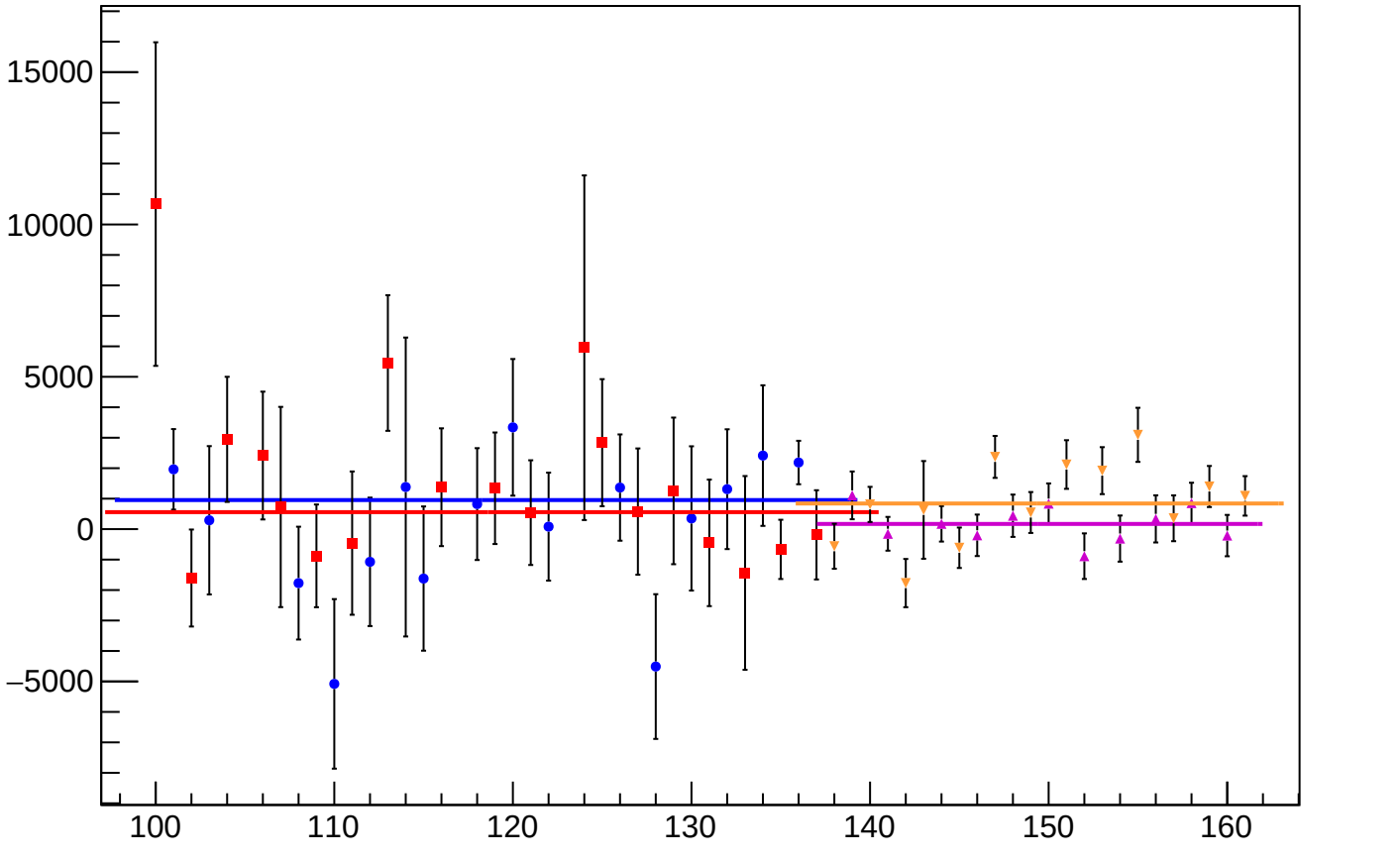
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

+ sign 1277.001+/-0.217 χ^2/NDF: 680219.2/28

All: 1273.832+/-0.155 χ^2/NDF: 1026676.9/58

- sign 1270.585+/-0.220 χ^2/NDF: 346027.4/29



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 841.185+/-202.896 χ^2/NDF:36.7/12

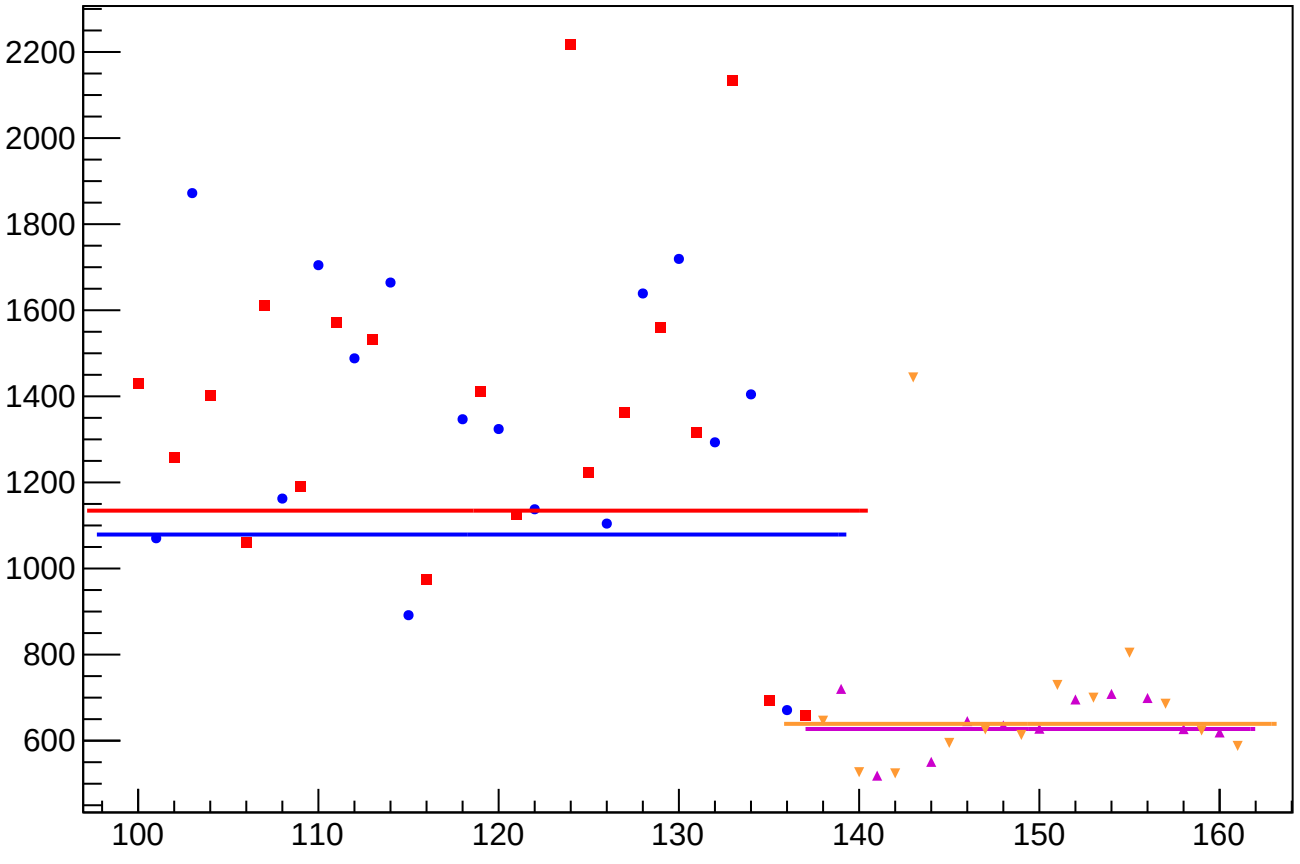
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 170.370+/-204.393 χ^2/NDF:7.0/10

\+ sign 862.099+/-183.153 χ^2/NDF: 56.6/28

All: 554.373+/-130.305 χ^2/NDF: 88.4/58

\- sign 238.964+/-185.426 χ^2/NDF: 26.1/29



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 639.091+/-0.143 χ^2/NDF:763406.4/12

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

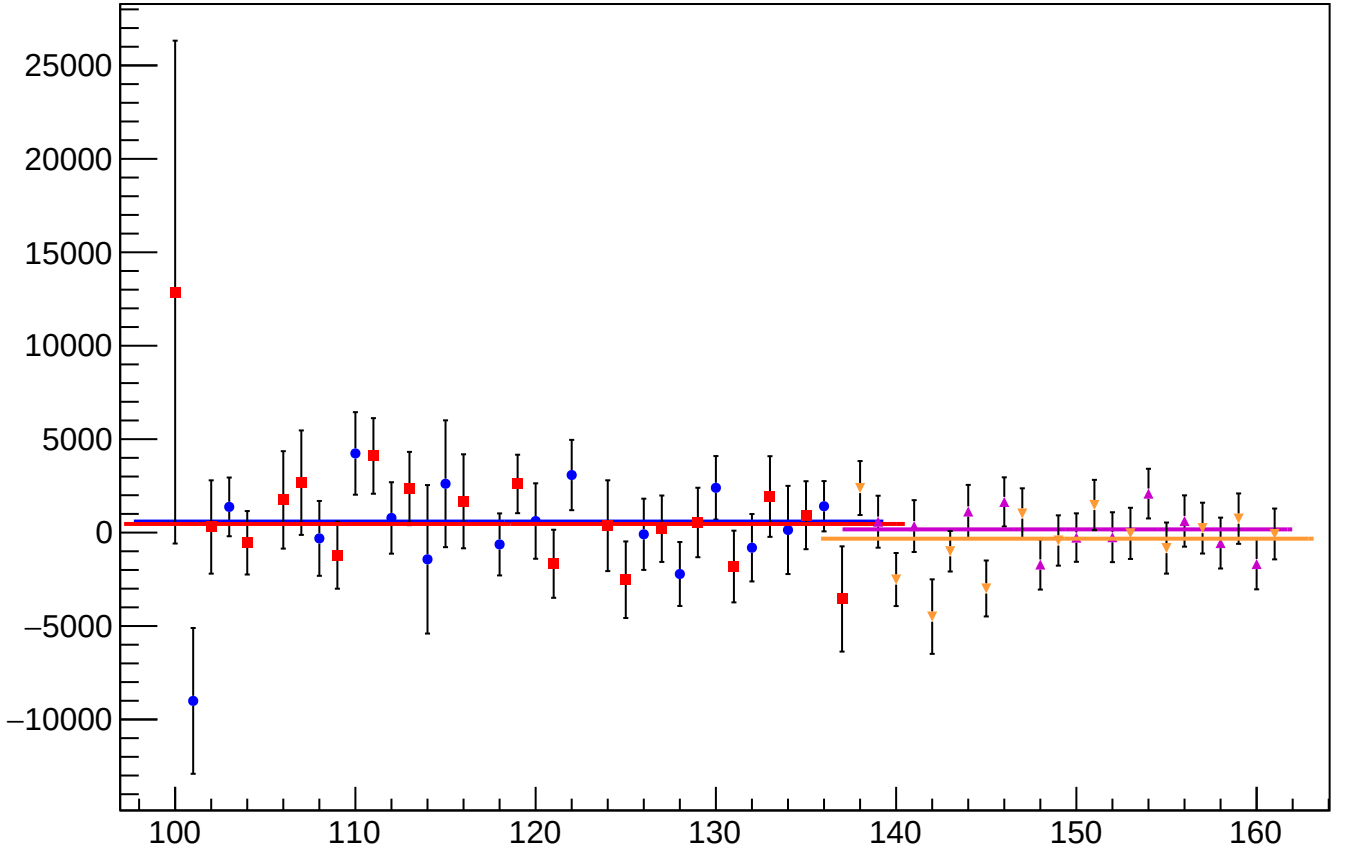
Left In: 627.147+/-0.145 χ^2/NDF:198335.7/10

+ sign 720.523+/-0.130 χ^2/NDF: 3982240.8/28

All: 718.748+/-0.092 χ^2/NDF: 7650241.5/58

- sign 716.929+/-0.131 χ^2/NDF: 3667620.4/29

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -325.689+/-381.343 χ^2/NDF:17.6/12

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

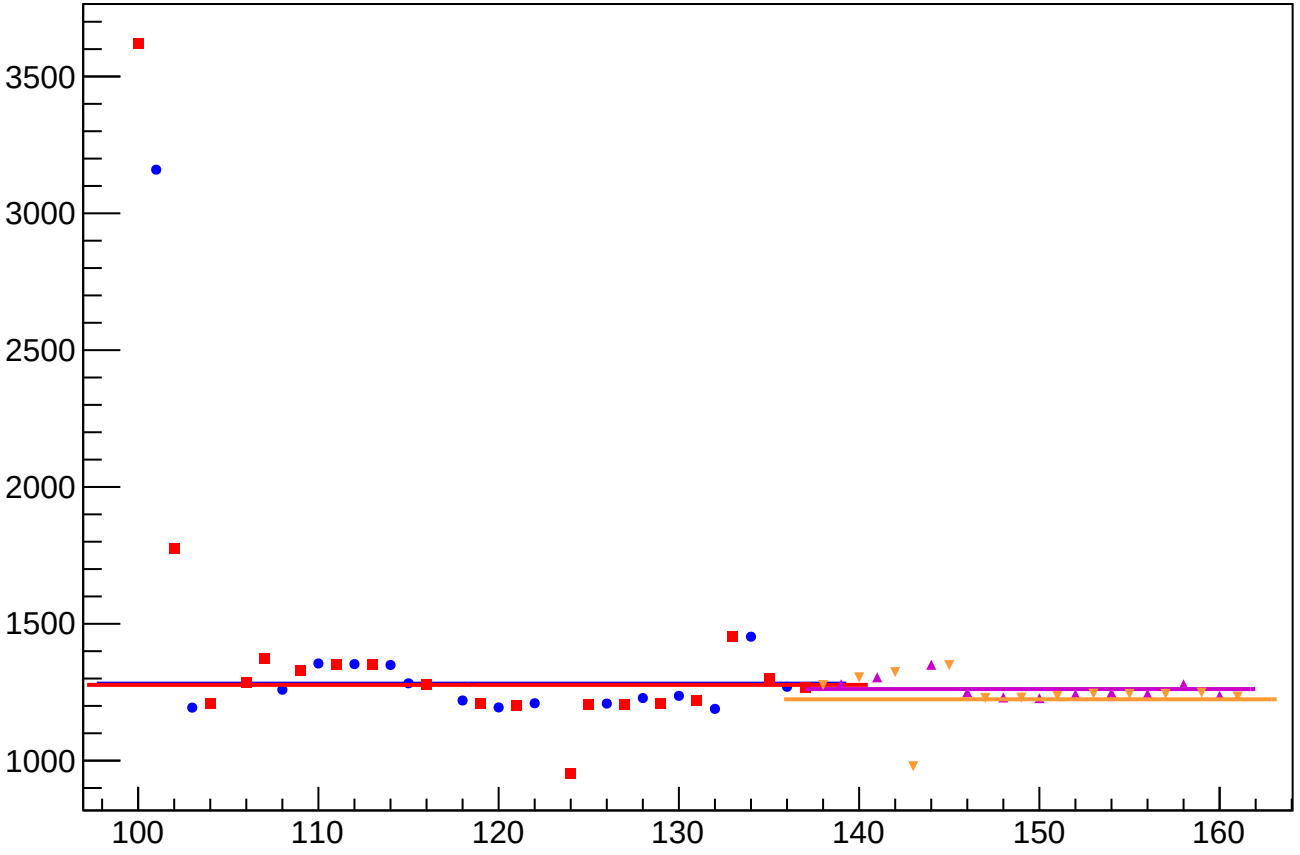
Left In: 172.339+/-408.184 χ^2/NDF:8.3/10

+ sign 23.834+/-299.890 χ^2/NDF: 36.9/28

All: 154.939+/-215.565 χ^2/NDF: 62.6/58

- sign 295.103+/-310.076 χ^2/NDF: 25.2/29

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1224.209+/-0.270 χ^2/NDF:132136.8/12

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

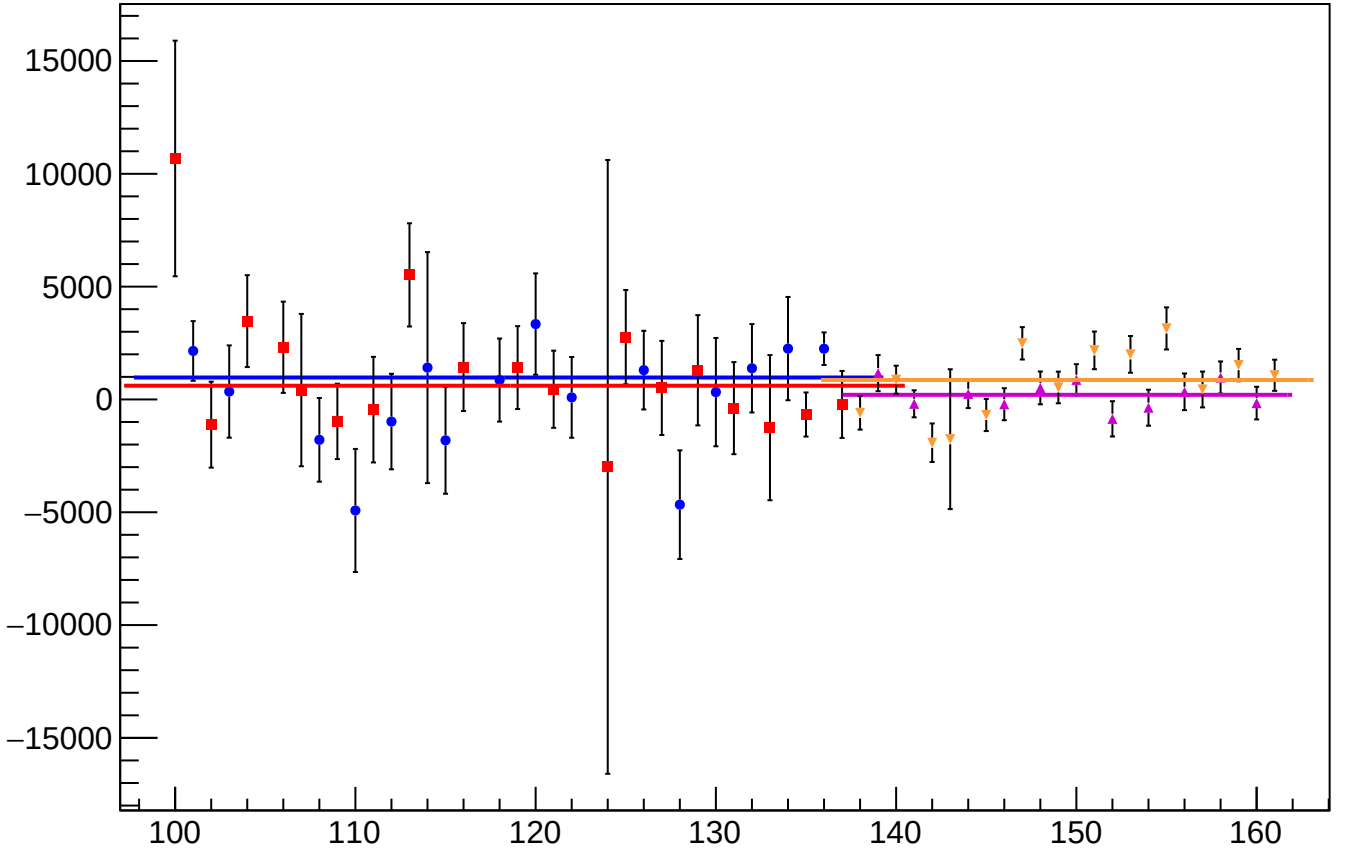
Left In: 1261.566+/-0.289 χ^2/NDF:14458.7/10

+ sign 1246.020+/-0.212 χ^2/NDF: 656360.7/28

All: 1256.659+/-0.152 χ^2/NDF: 897729.5/58

- sign 1268.034+/-0.219 χ^2/NDF: 236159.9/29

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 863.015+/-215.426 χ^2/NDF:36.9/12

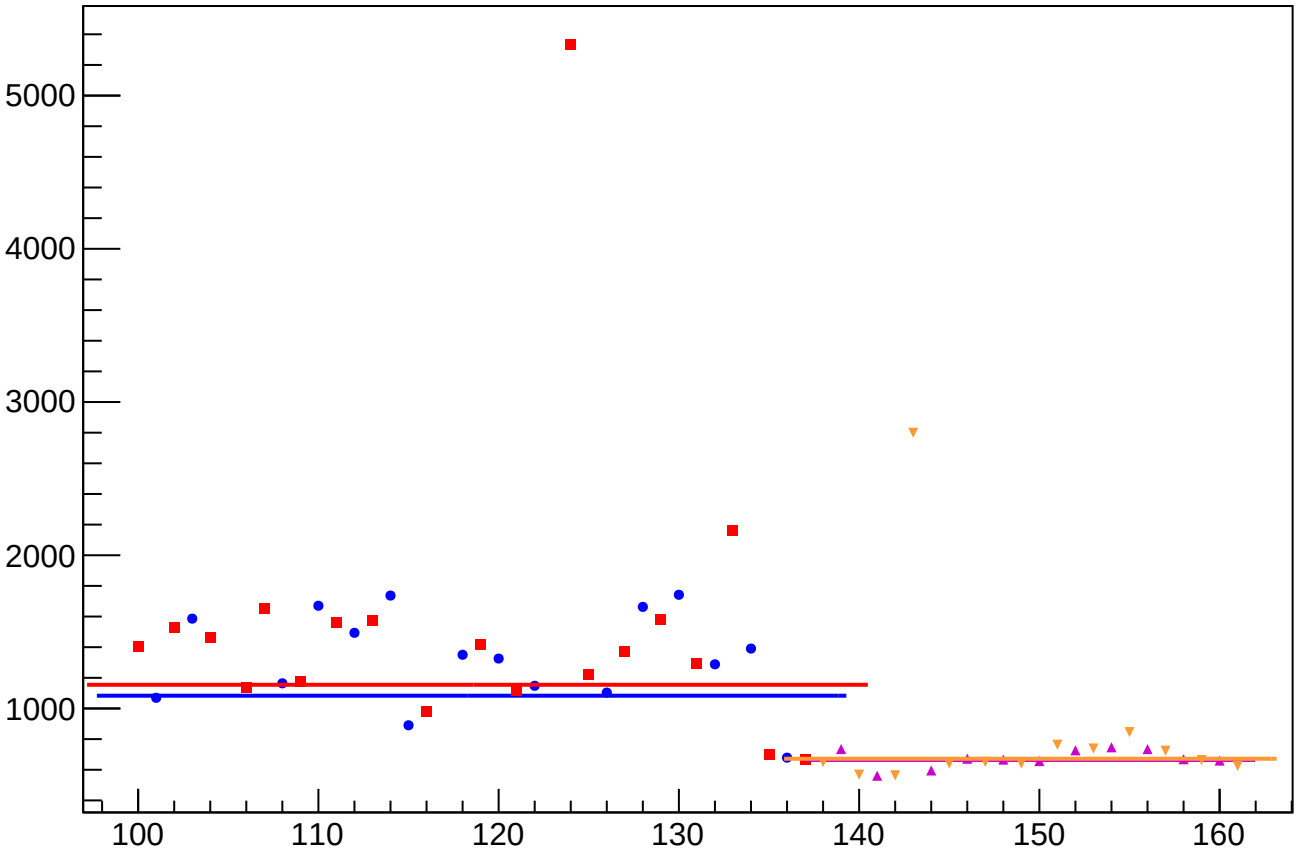
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 204.796+/-216.071 χ^2/NDF:7.1/10

\+ sign 885.333+/-192.171 χ^2/NDF: 57.4/28

All: 586.976+/-136.735 χ^2/NDF: 87.2/58

\- sign 281.042+/-194.596 χ^2/NDF: 24.9/29



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 671.977+/-0.152 χ^2/NDF:1166412.2/12

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

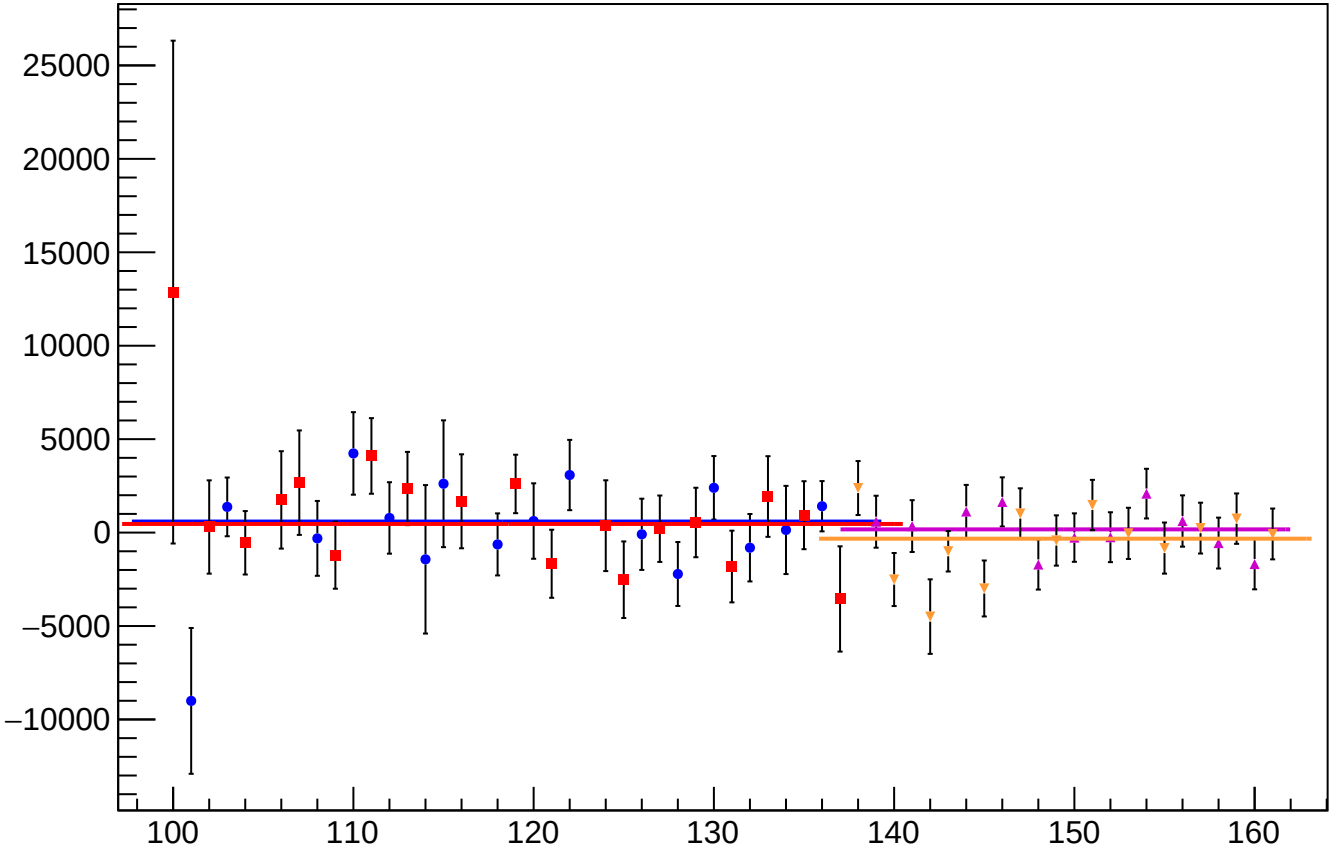
Left In: 664.022+/-0.153 χ^2/NDF:149027.4/10

+ sign 755.995+/-0.136 χ^2/NDF: 4016008.3/28

All: 756.350+/-0.097 χ^2/NDF: 7601859.2/58

- sign 756.715+/-0.138 χ^2/NDF: 3585837.1/29

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -325.692+/-381.343 χ^2/NDF:17.6/12

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

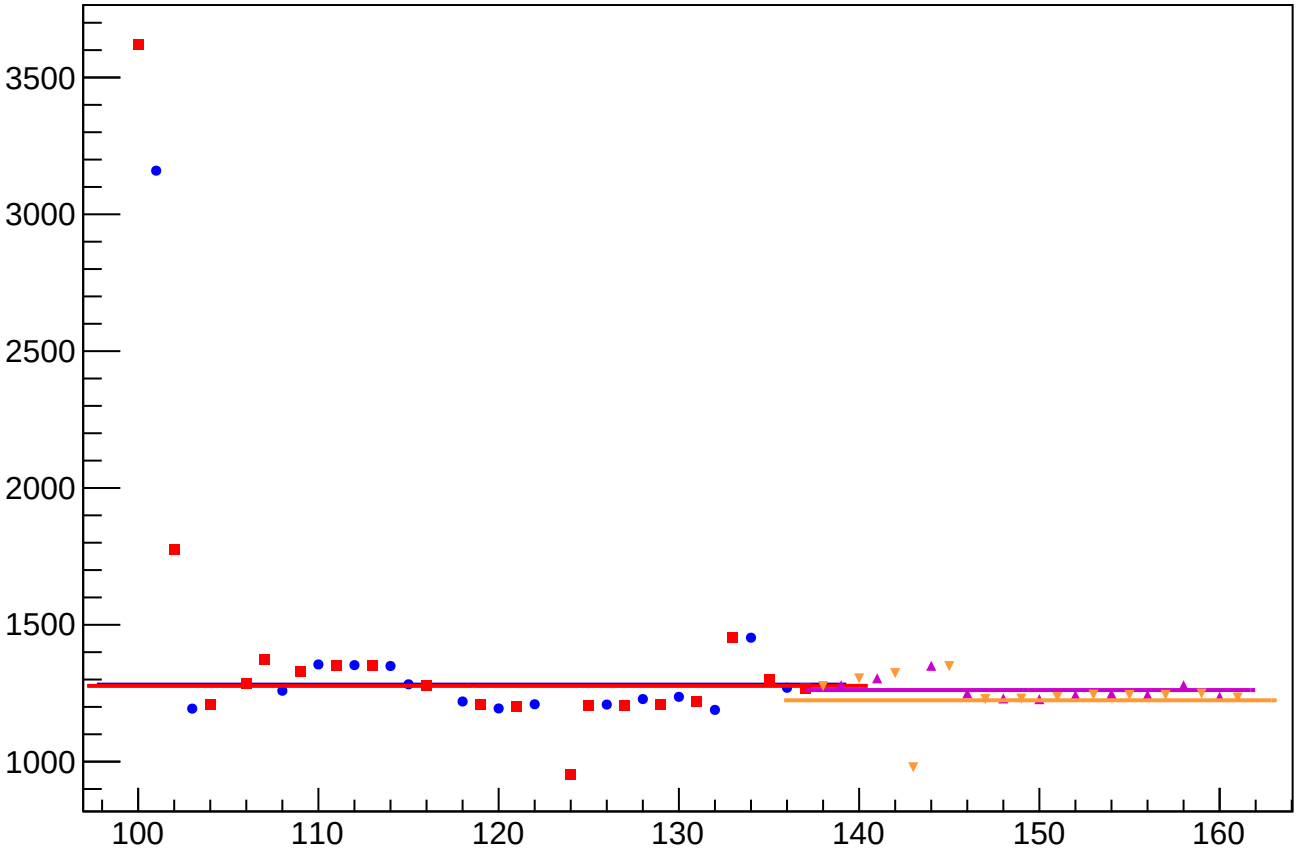
Left In: 172.339+/-408.184 χ^2/NDF:8.3/10

\+ sign 23.833+/-299.890 χ^2/NDF: 36.9/28

All: 154.939+/-215.565 χ^2/NDF: 62.6/58

\- sign 295.103+/-310.076 χ^2/NDF: 25.2/29

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: 1224.210+/-0.270 χ^2/NDF:132136.1/12

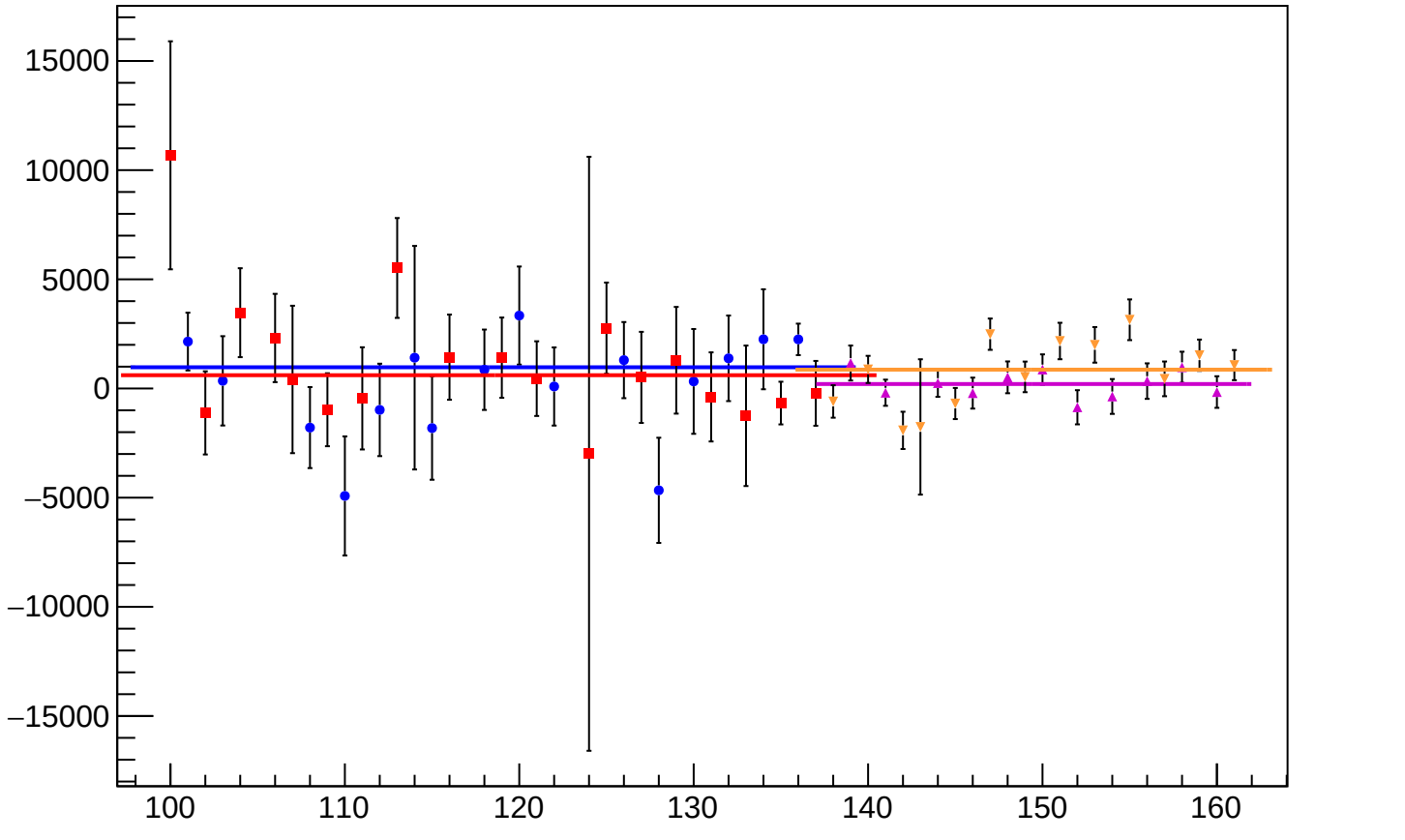
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1261.566+/-0.289 χ^2/NDF:14458.7/10

+ sign 1246.020+/-0.212 χ^2/NDF: 656360.0/28

All: 1256.659+/-0.152 χ^2/NDF: 897728.6/58

- sign 1268.034+/-0.219 χ^2/NDF: 236159.8/29



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 863.018+/-215.426 χ^2/NDF:36.9/12

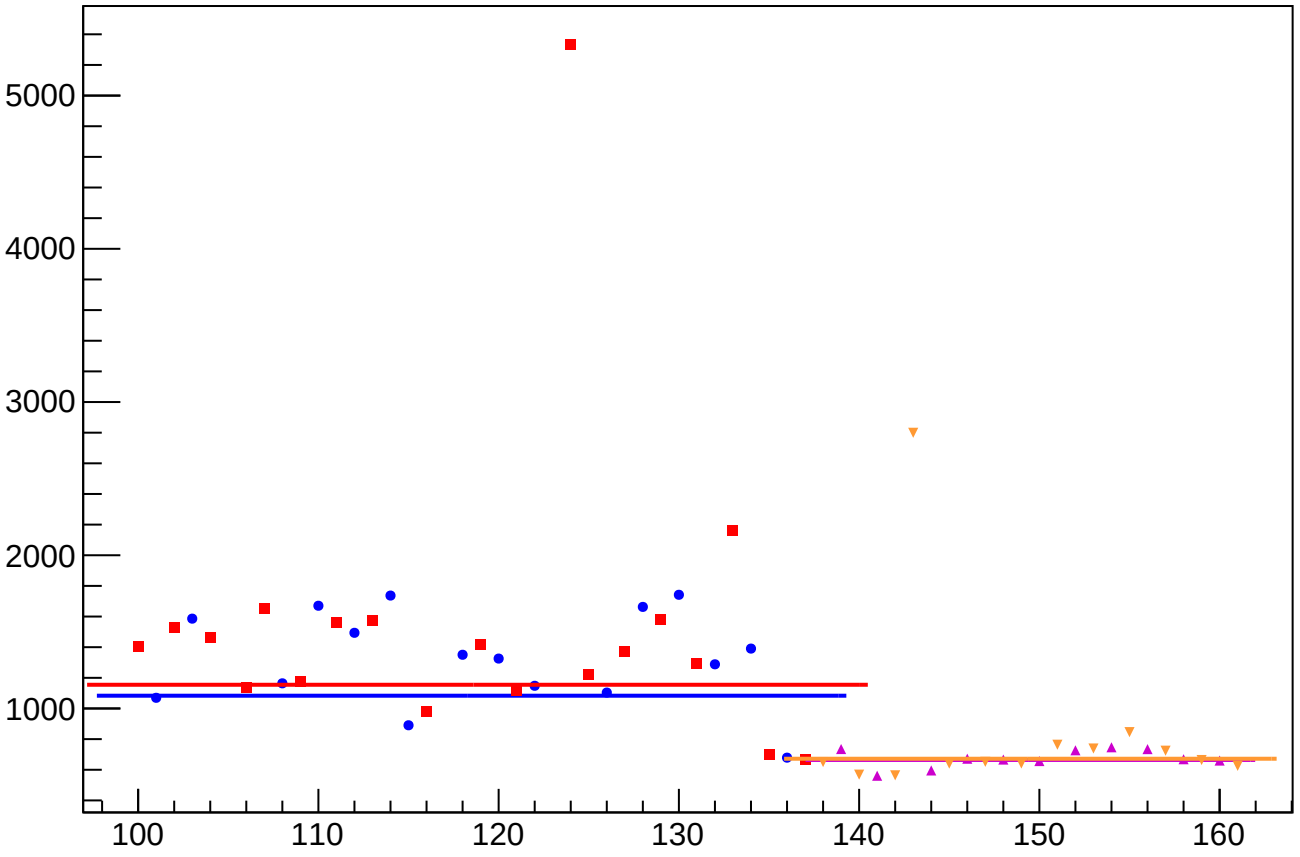
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 204.795+/-216.071 χ^2/NDF:7.1/10

+ sign 885.334+/-192.171 χ^2/NDF: 57.4/28

All: 586.977+/-136.735 χ^2/NDF: 87.2/58

- sign 281.042+/-194.596 χ^2/NDF: 24.9/29



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 671.978+/-0.152 χ^2/NDF:1166406.3/12

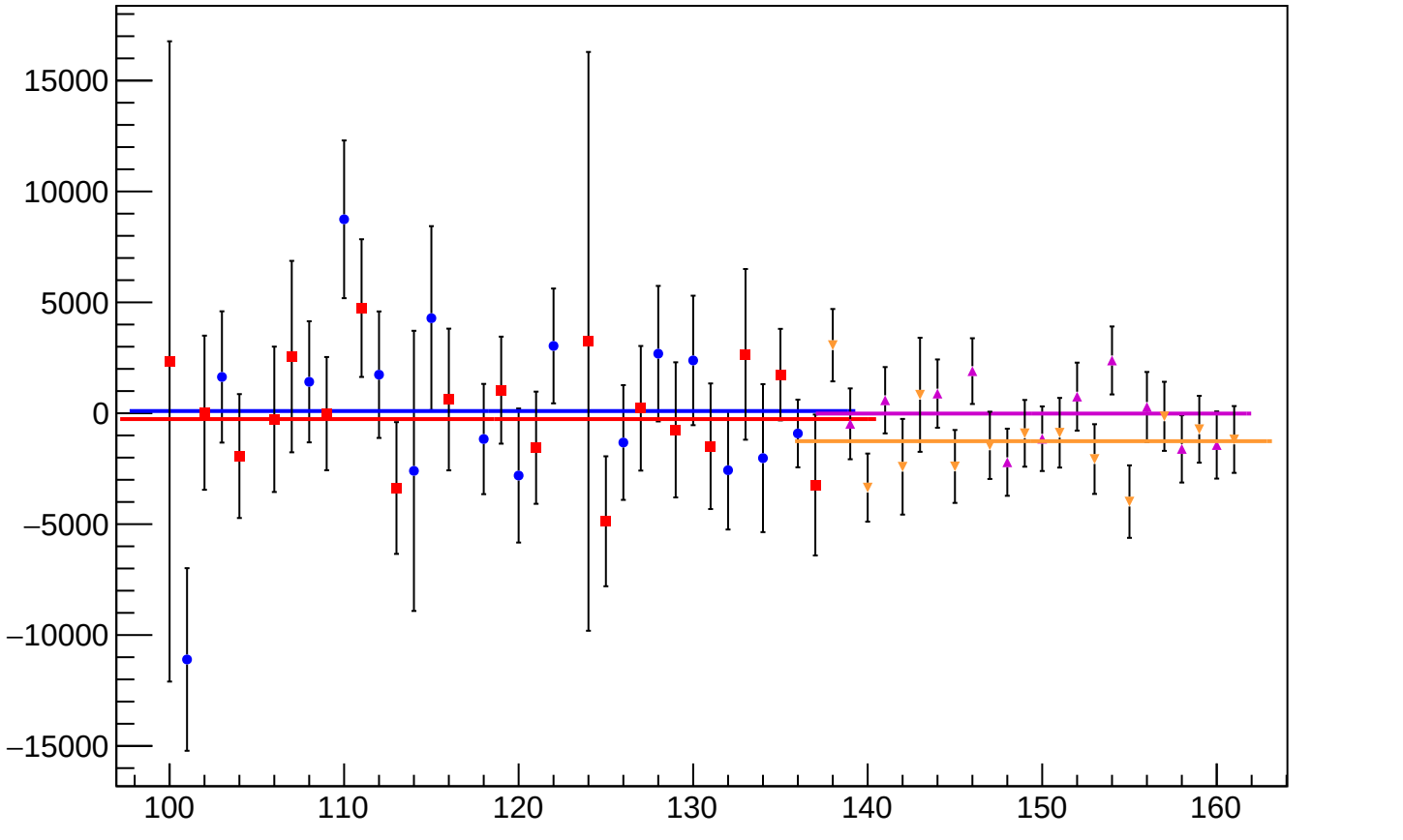
Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 664.022+/-0.153 χ^2/NDF:149029.5/10

+ sign 755.996+/-0.136 χ^2/NDF: 4015973.3/28

All: 756.352+/-0.097 χ^2/NDF: 7601814.3/58

- sign 756.716+/-0.138 χ^2/NDF: 3585827.1/29



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1258.789+/-452.202 χ^2/NDF:14.1/12

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

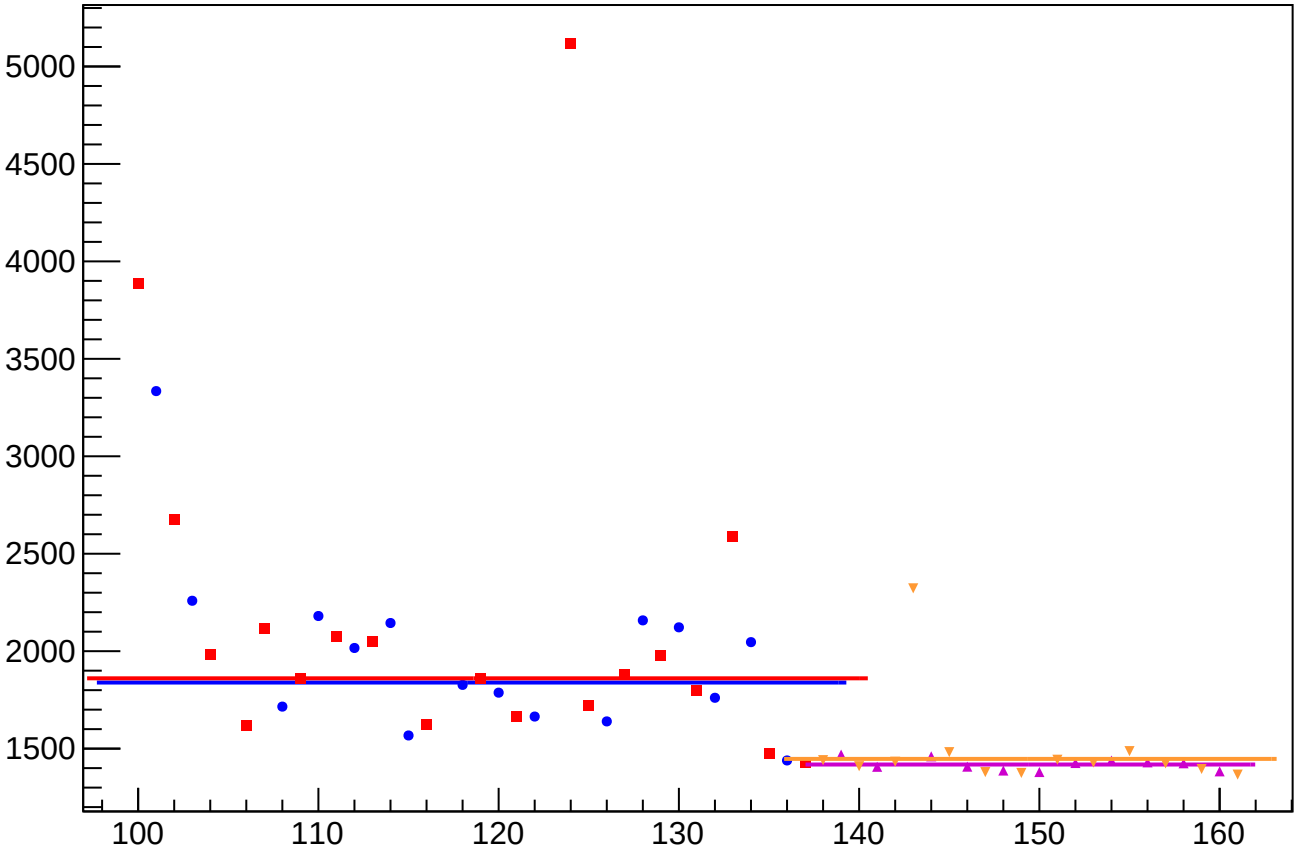
Left In: -14.145+/-458.917 χ^2/NDF:9.7/10

\+ sign -857.749+/-379.675 χ^2/NDF: 38.1/28

All: -477.430+/-269.899 χ^2/NDF: 60.2/58

\- sign -88.912+/-383.746 χ^2/NDF: 20.1/29

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1447.305+/-0.320 χ^2/NDF:252295.0/12

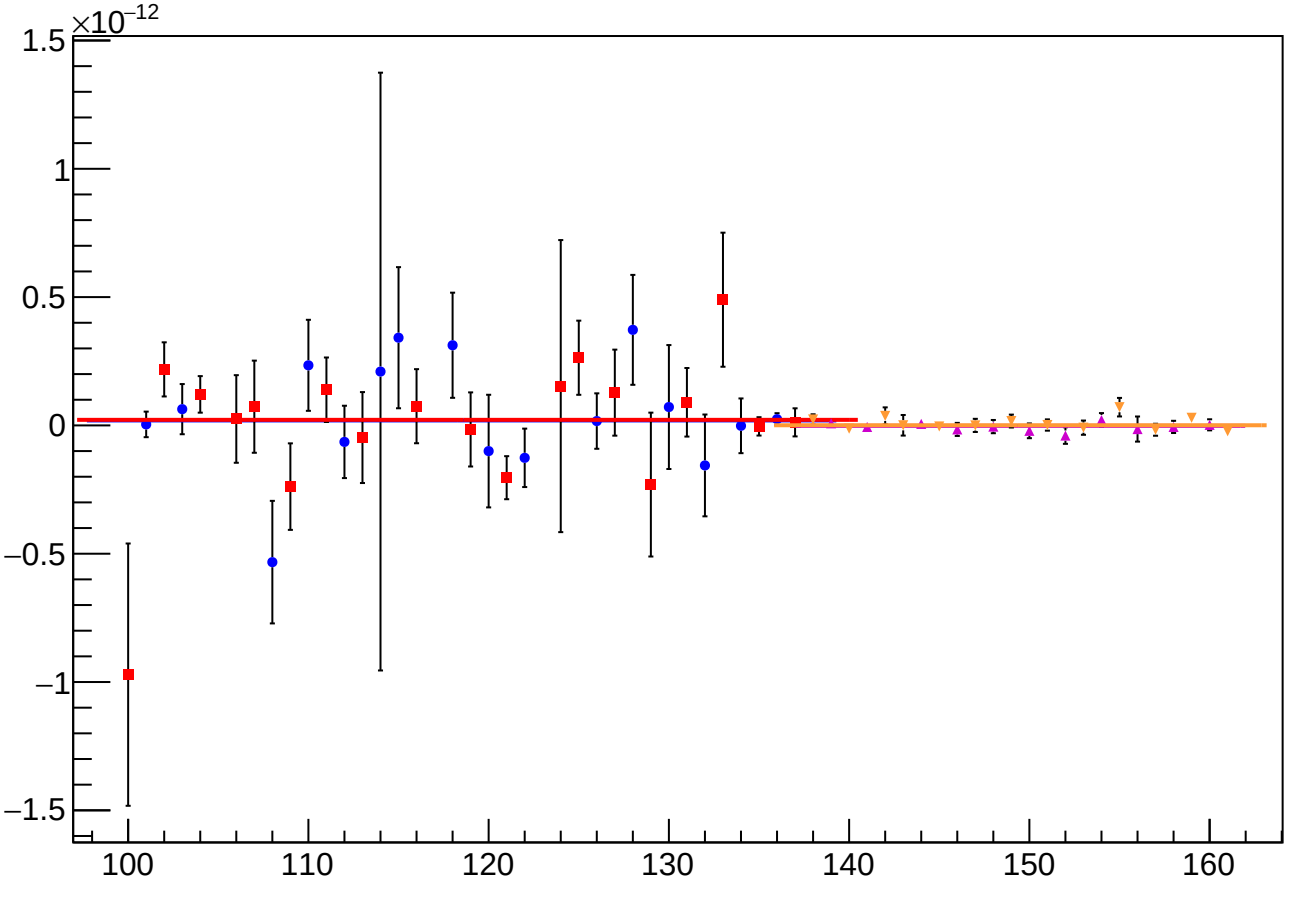
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1418.484+/-0.325 χ^2/NDF:7579.7/10

\+ sign 1562.907+/-0.268 χ^2/NDF: 1252022.0/28

All: 1557.268+/-0.191 χ^2/NDF: 2341306.2/58

\- sign 1551.508+/-0.271 χ^2/NDF: 1088392.4/29



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/12

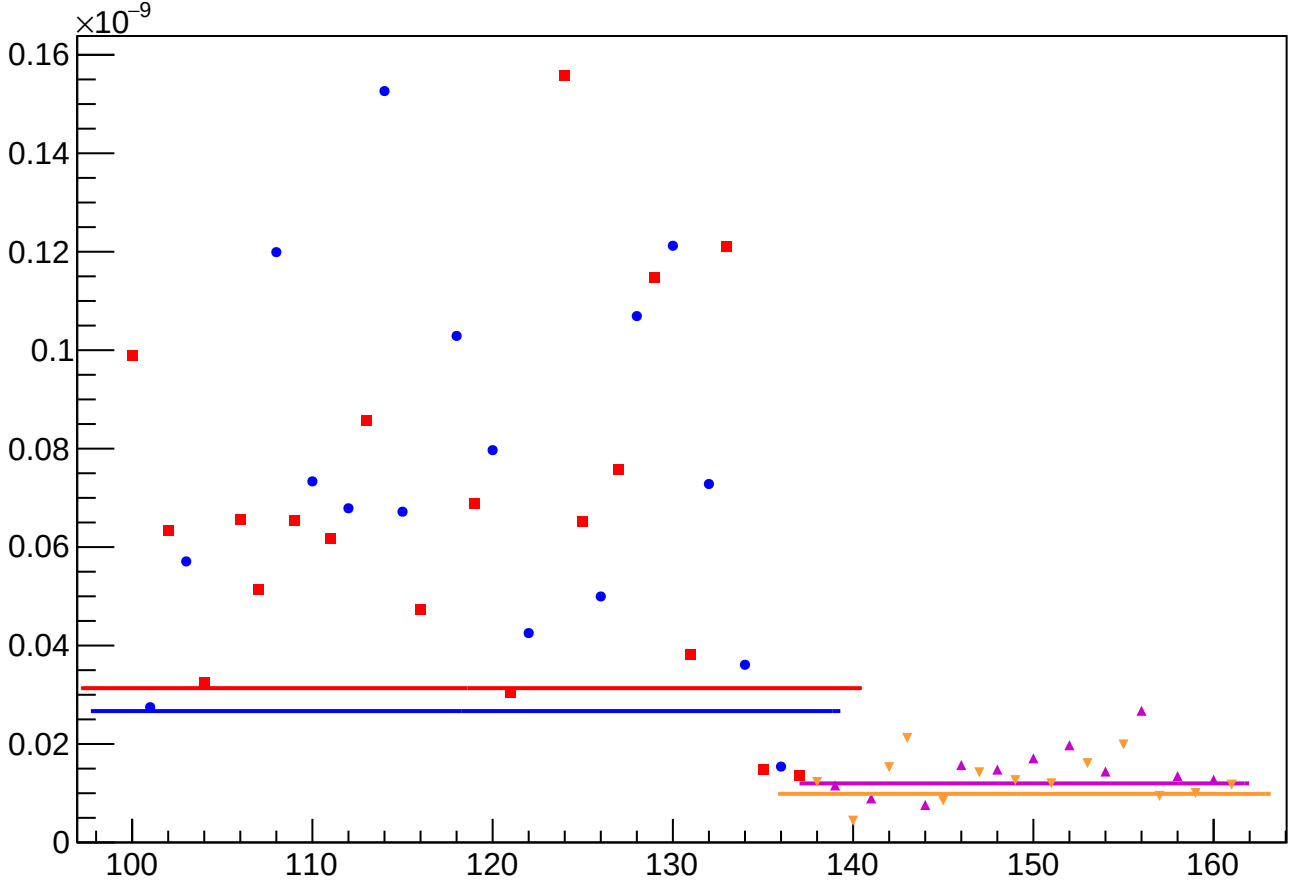
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 30.2/28

All: 0.000+/-0.000 χ^2/NDF: 63.1/58

- sign 0.000+/-0.000 χ^2/NDF: 32.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1157845.7/12

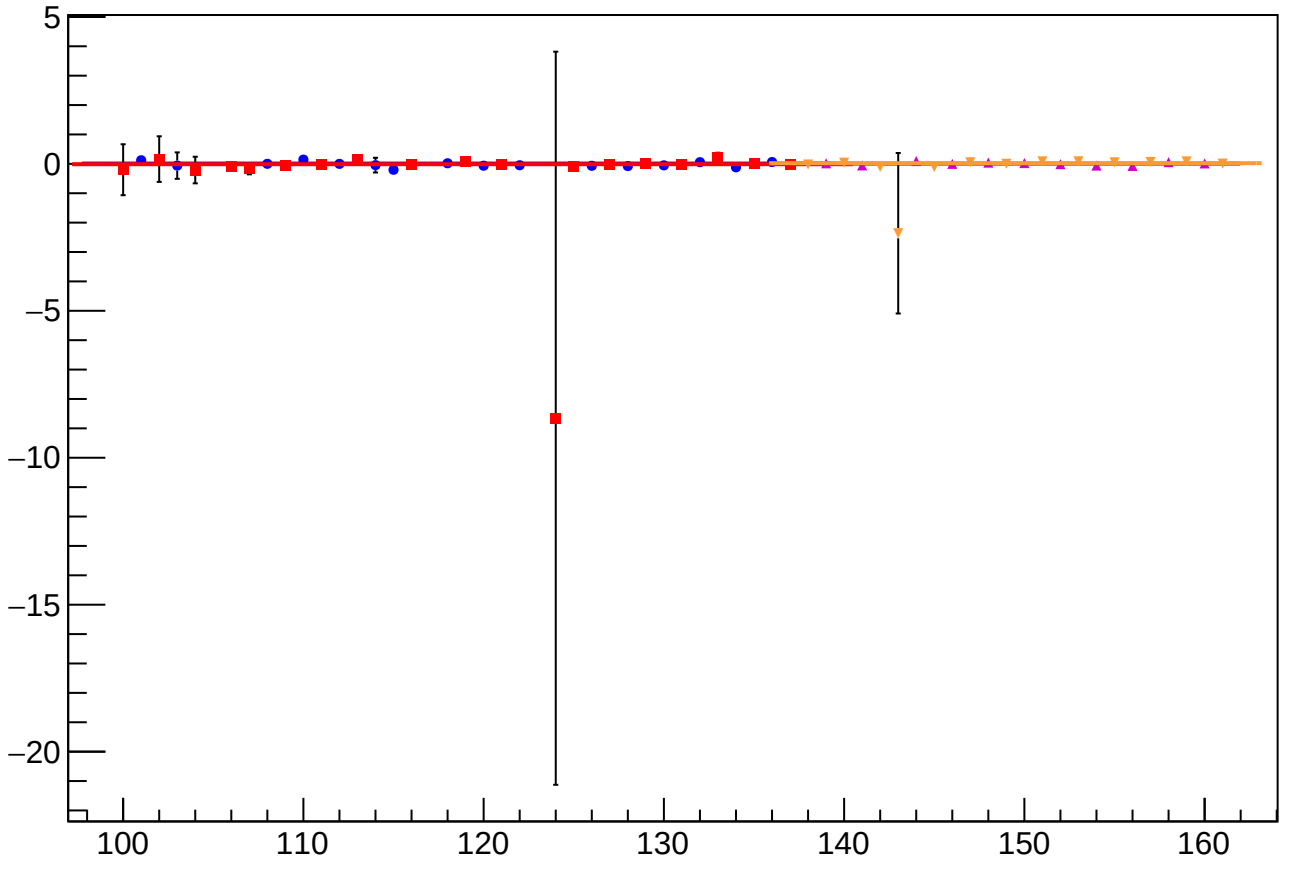
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:740193.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 5205098.8/28

All: 0.000+/-0.000 χ^2/NDF: 9758628.3/58

- sign 0.000+/-0.000 χ^2/NDF: 4401946.3/29



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/12

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

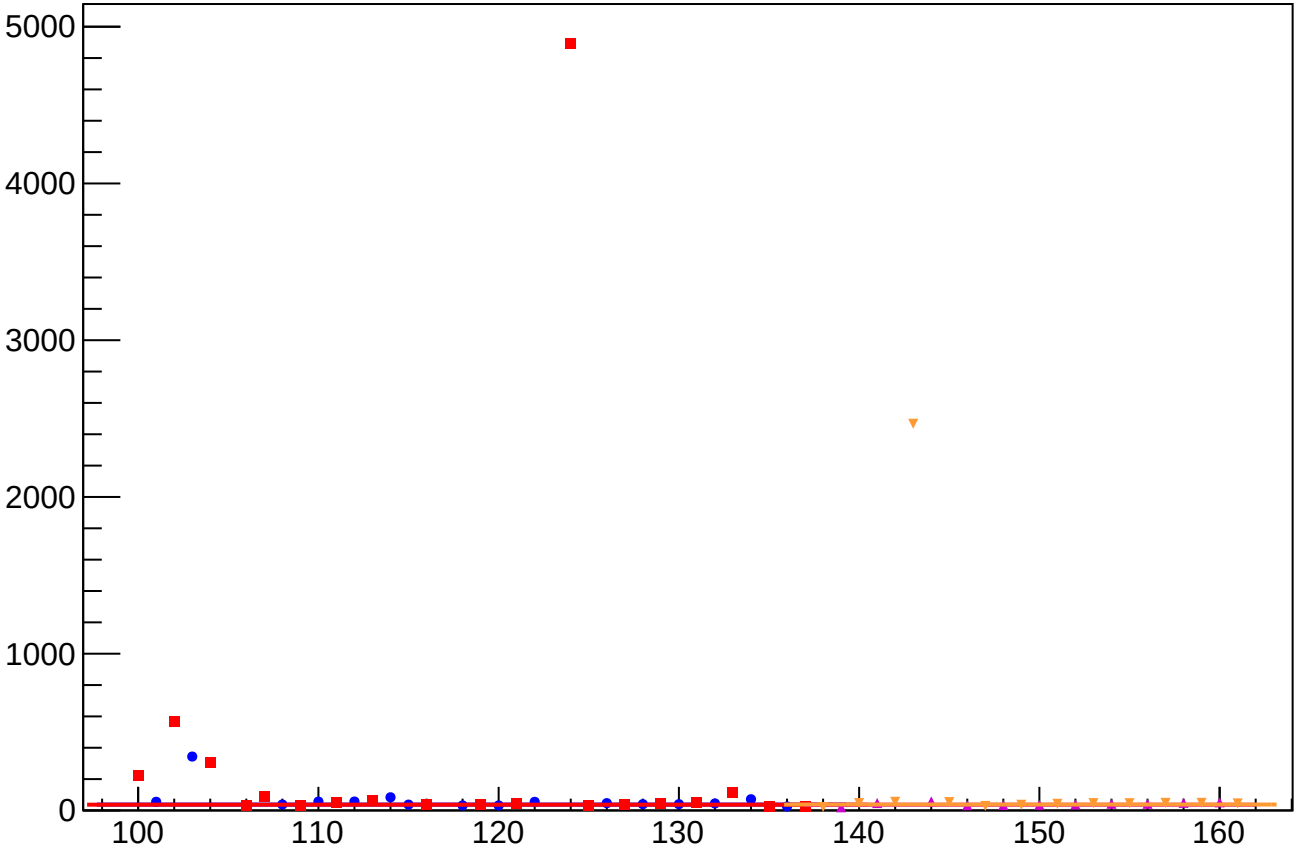
Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.016+/-0.010 χ^2/NDF: 36.0/28

All: 0.008+/-0.007 χ^2/NDF: 60.4/58

- sign -0.001+/-0.010 χ^2/NDF: 23.0/29

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: 37.787+/-0.009 χ^2/NDF:2910135.9/12

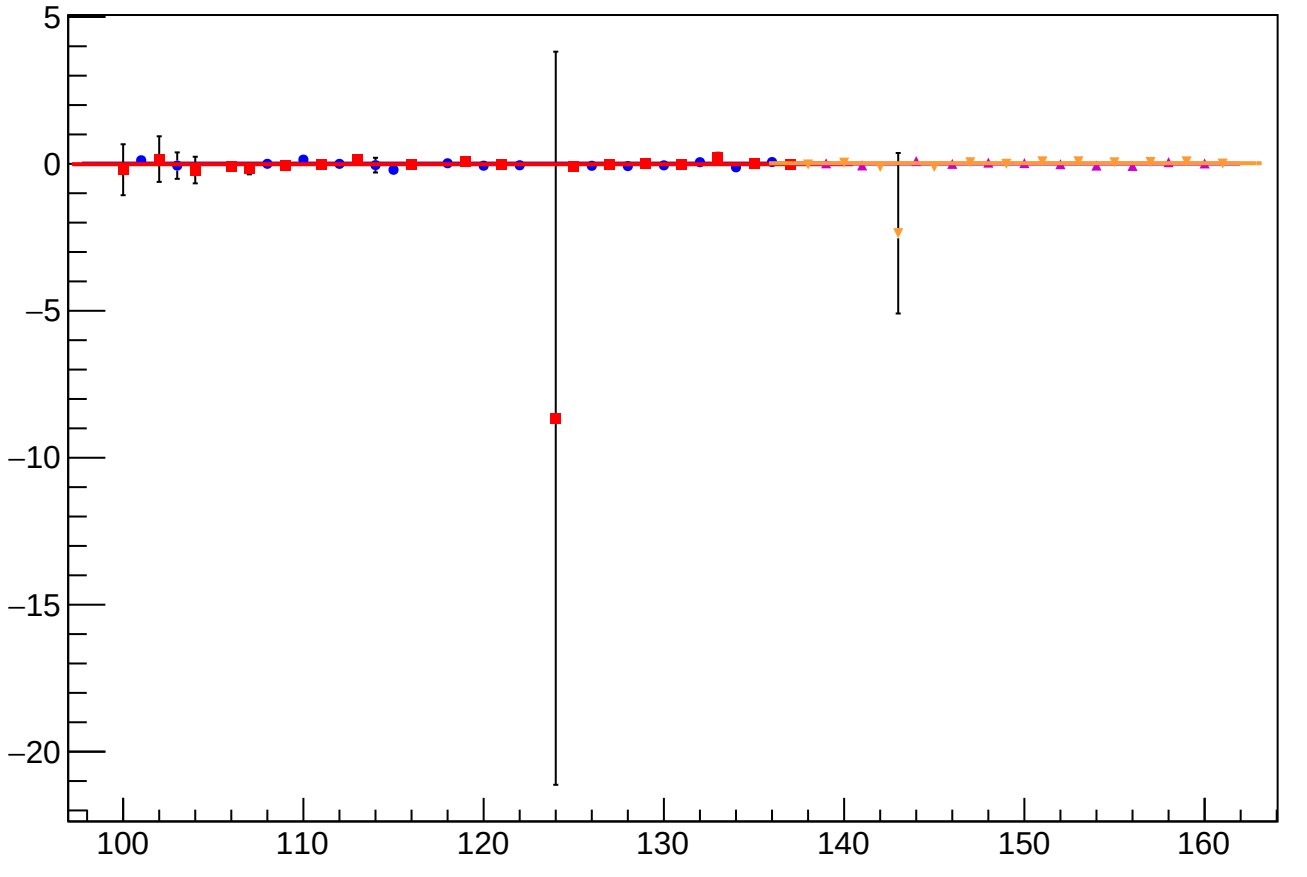
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.387+/-0.009 χ^2/NDF:1340802.6/10

+ sign 37.667+/-0.007 χ^2/NDF: 4893802.9/28

All: 37.098+/-0.005 χ^2/NDF: 9438192.3/58

- sign 36.531+/-0.007 χ^2/NDF: 4532152.2/29



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/12

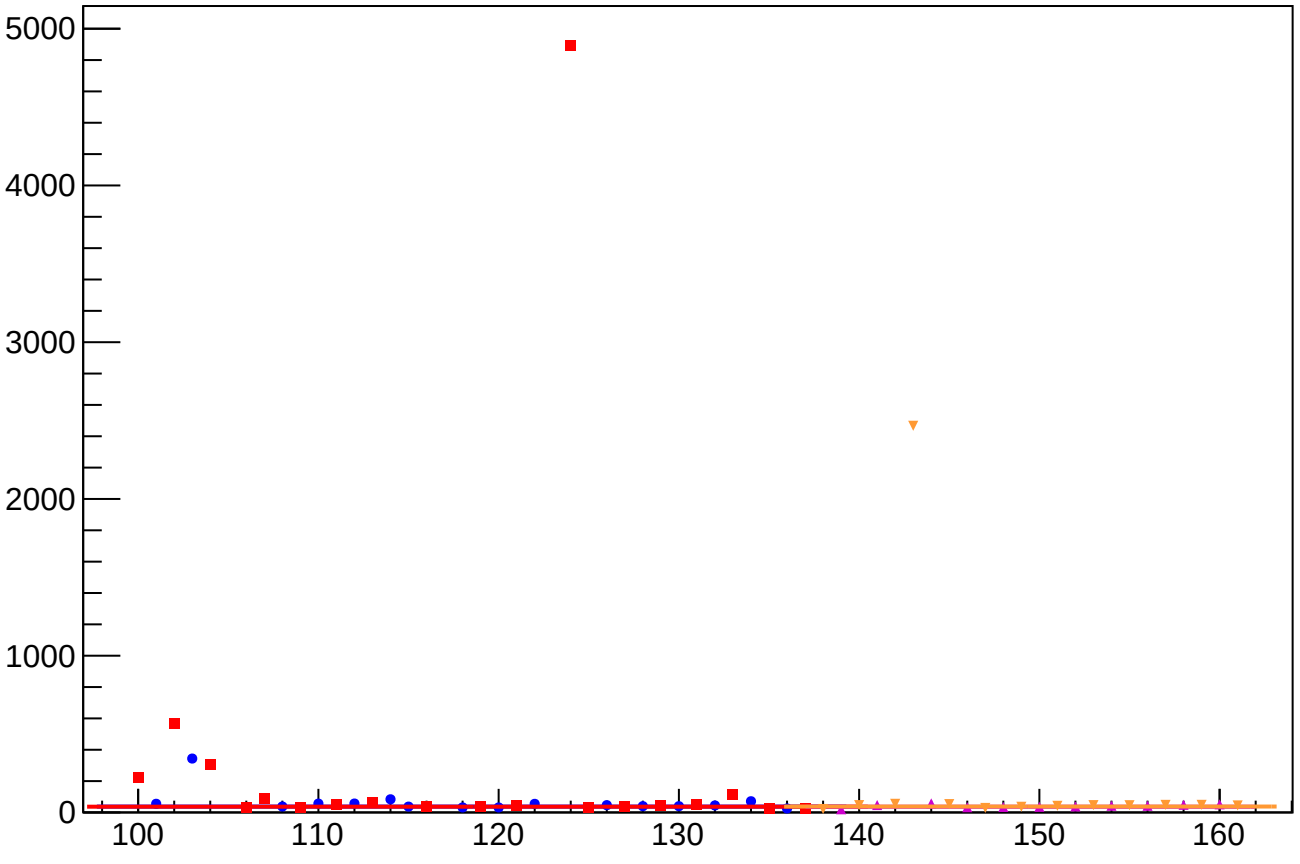
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.016+/-0.010 χ^2/NDF: 36.0/28

All: 0.008+/-0.007 χ^2/NDF: 60.4/58

- sign -0.001+/-0.010 χ^2/NDF: 23.0/29



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 37.787+/-0.009 χ^2/NDF:2910135.9/12

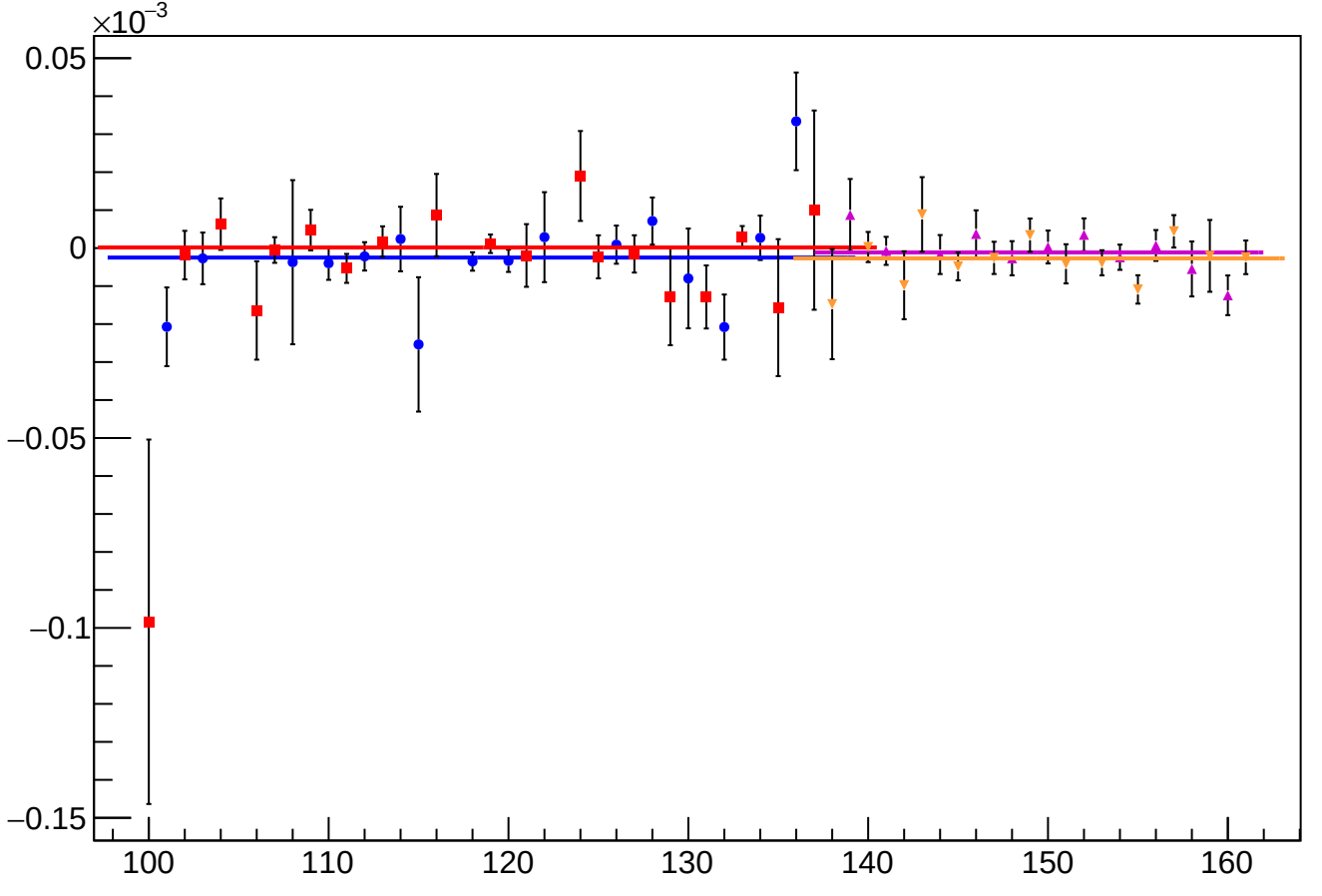
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.387+/-0.009 χ^2/NDF:1340802.6/10

+ sign 37.667+/-0.007 χ^2/NDF: 4893802.9/28

All: 37.098+/-0.005 χ^2/NDF: 9438192.3/58

- sign 36.531+/-0.007 χ^2/NDF: 4532152.2/29



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/12

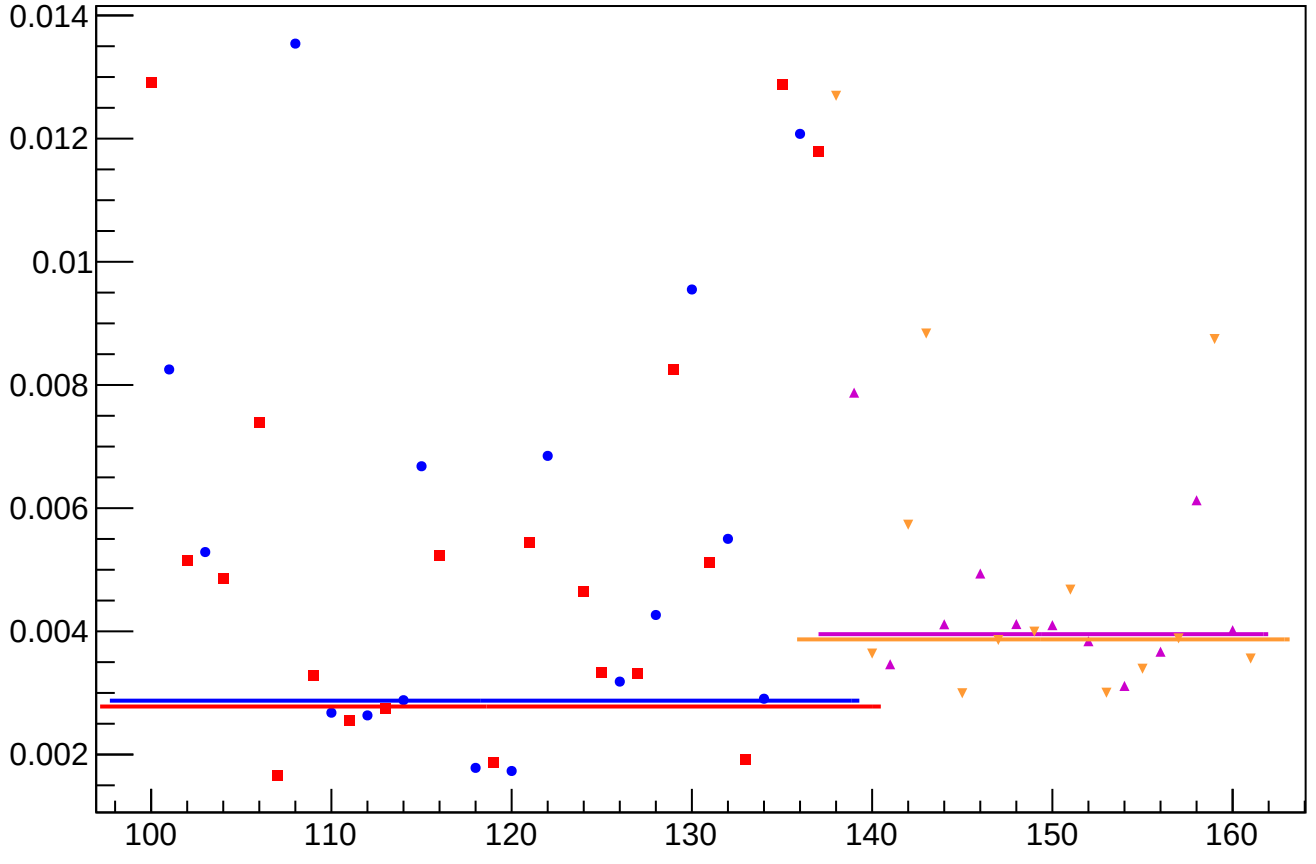
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/28

All: -0.000+/-0.000 χ^2/NDF: 66.0/58

- sign -0.000+/-0.000 χ^2/NDF: 27.9/29



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2222743.2/12

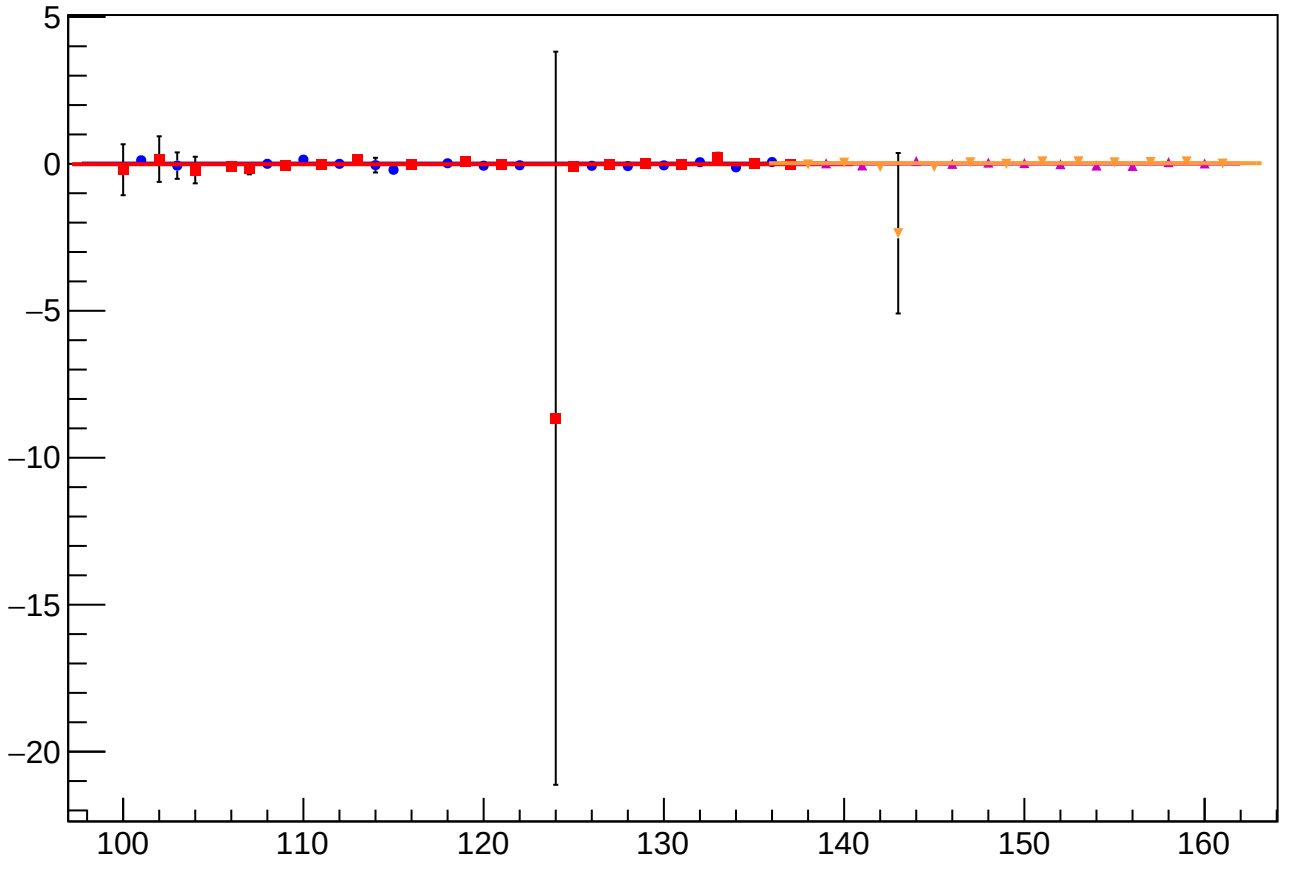
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:756069.8/10

+ sign 0.003+/-0.000 χ^2/NDF: 6957592.2/28

All: 0.003+/-0.000 χ^2/NDF: 11867442.0/58

- sign 0.003+/-0.000 χ^2/NDF: 4895659.1/29



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/12

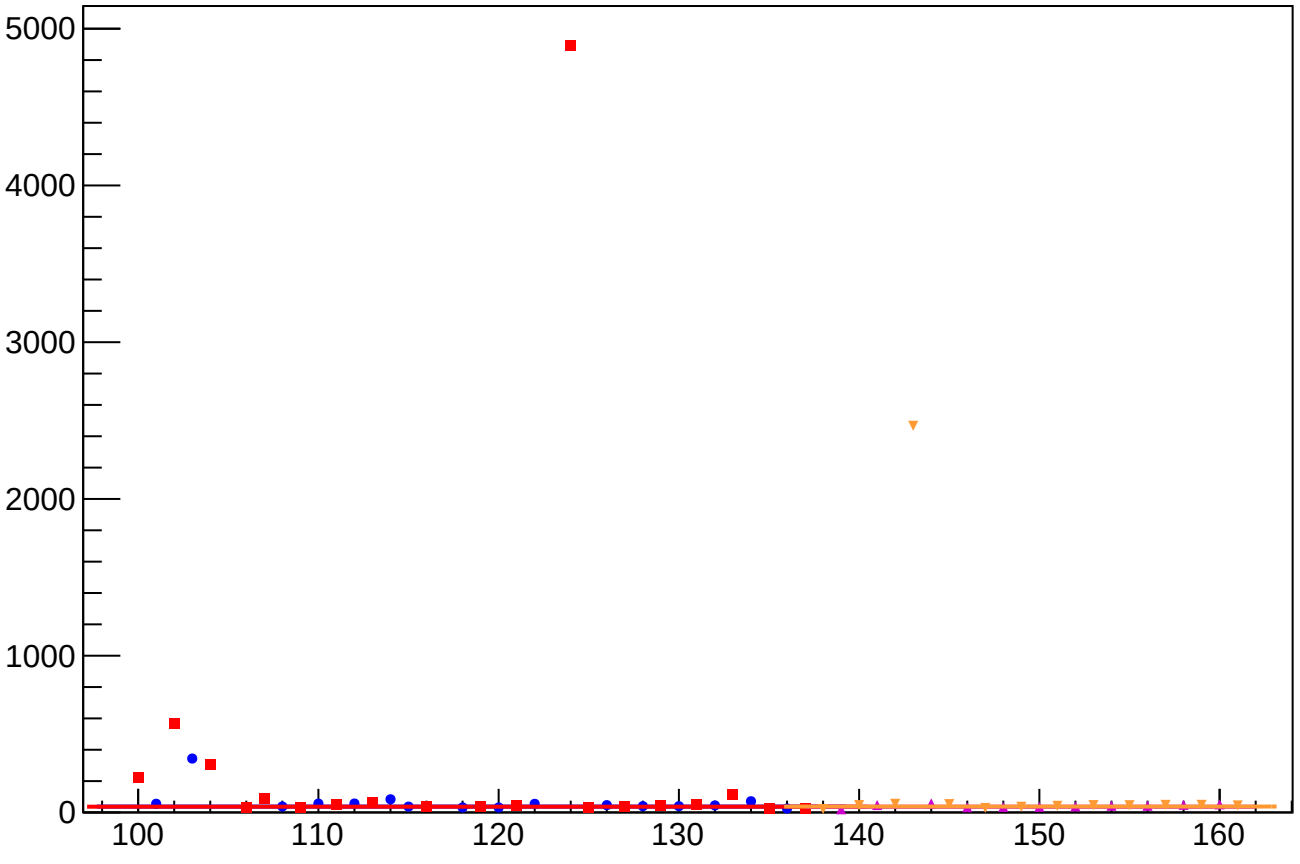
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.016+/-0.010 χ^2/NDF: 36.0/28

All: 0.008+/-0.007 χ^2/NDF: 60.4/58

- sign -0.001+/-0.010 χ^2/NDF: 23.0/29



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.784+/-0.009 χ^2/NDF:2910725.0/12

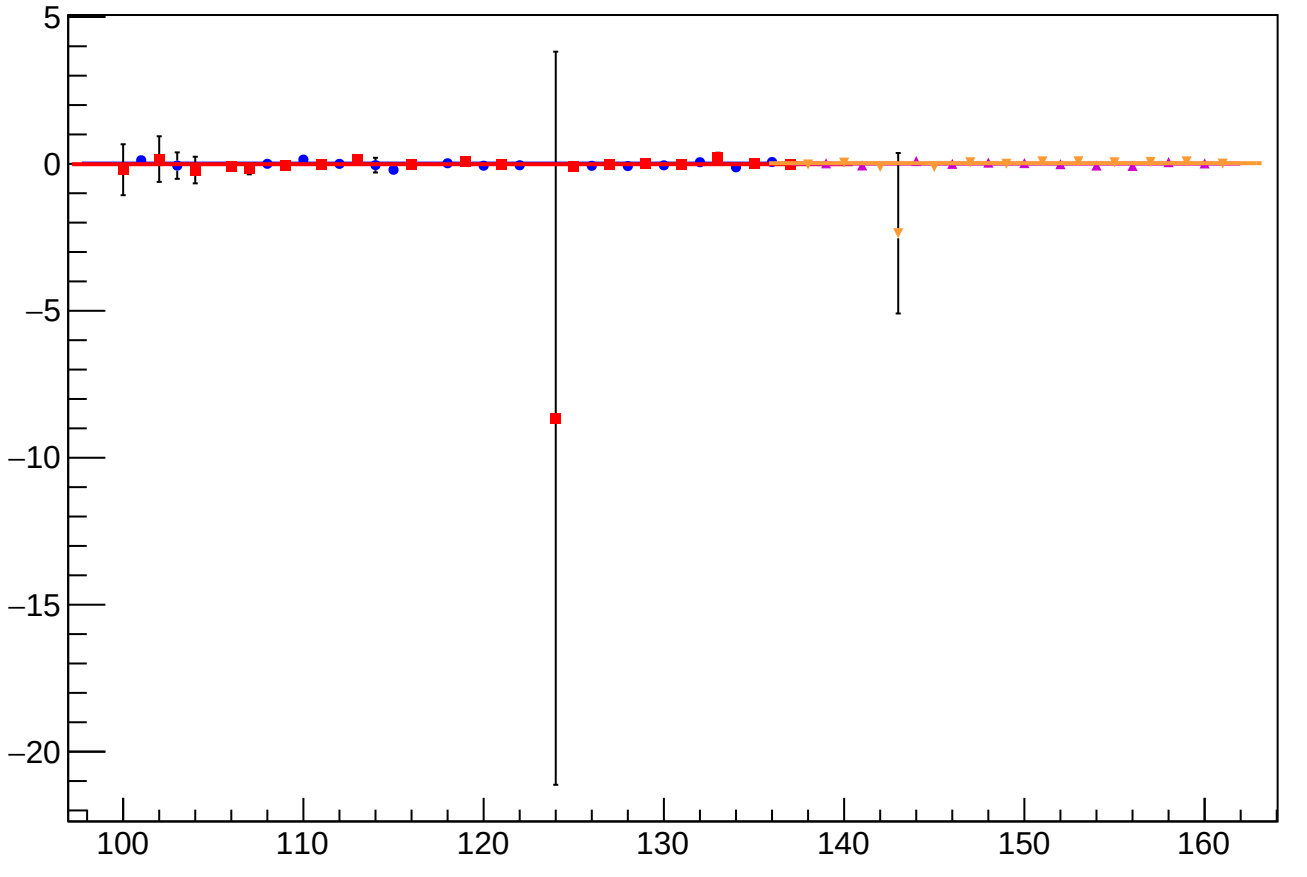
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.390+/-0.009 χ^2/NDF:1339766.7/10

+ sign 37.666+/-0.007 χ^2/NDF: 4894314.7/28

All: 37.099+/-0.005 χ^2/NDF: 9437278.1/58

- sign 36.534+/-0.007 χ^2/NDF: 4530811.0/29



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/12

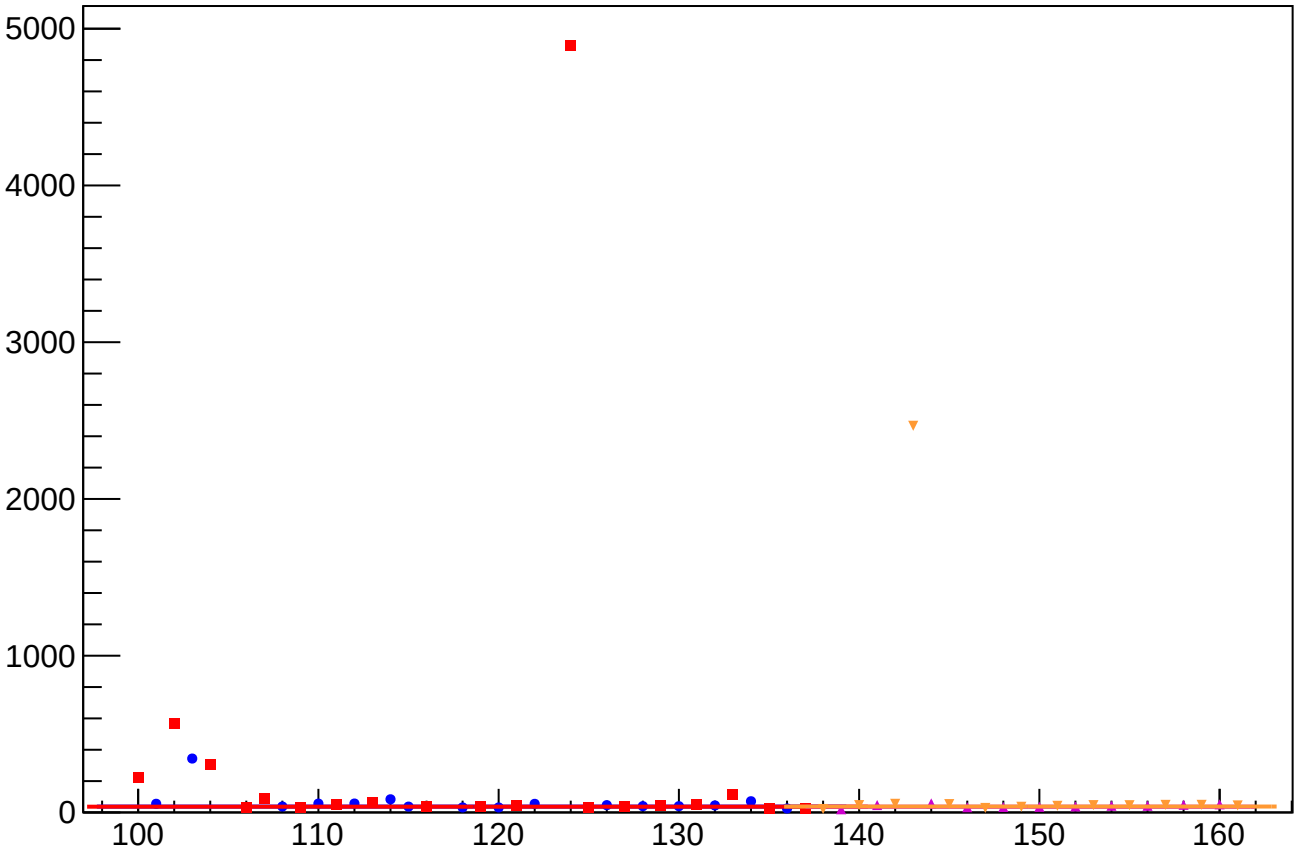
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.016+/-0.010 χ^2/NDF: 36.0/28

All: 0.008+/-0.007 χ^2/NDF: 60.4/58

- sign -0.001+/-0.010 χ^2/NDF: 23.0/29



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.784+/-0.009 χ^2/NDF:2910725.0/12

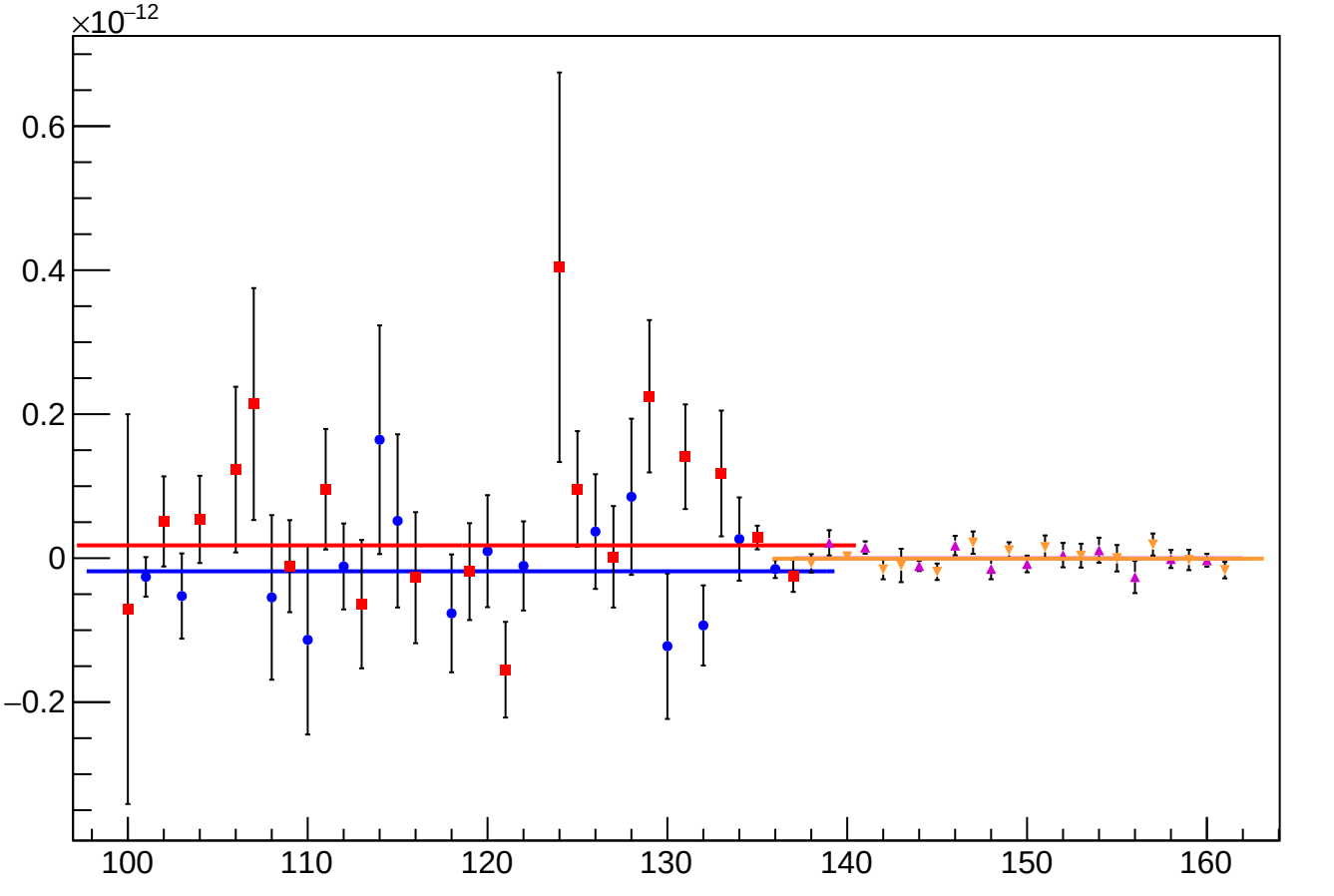
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.390+/-0.009 χ^2/NDF:1339766.7/10

+ sign 37.666+/-0.007 χ^2/NDF: 4894314.7/28

All: 37.099+/-0.005 χ^2/NDF: 9437278.1/58

- sign 36.534+/-0.007 χ^2/NDF: 4530811.0/29



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/12

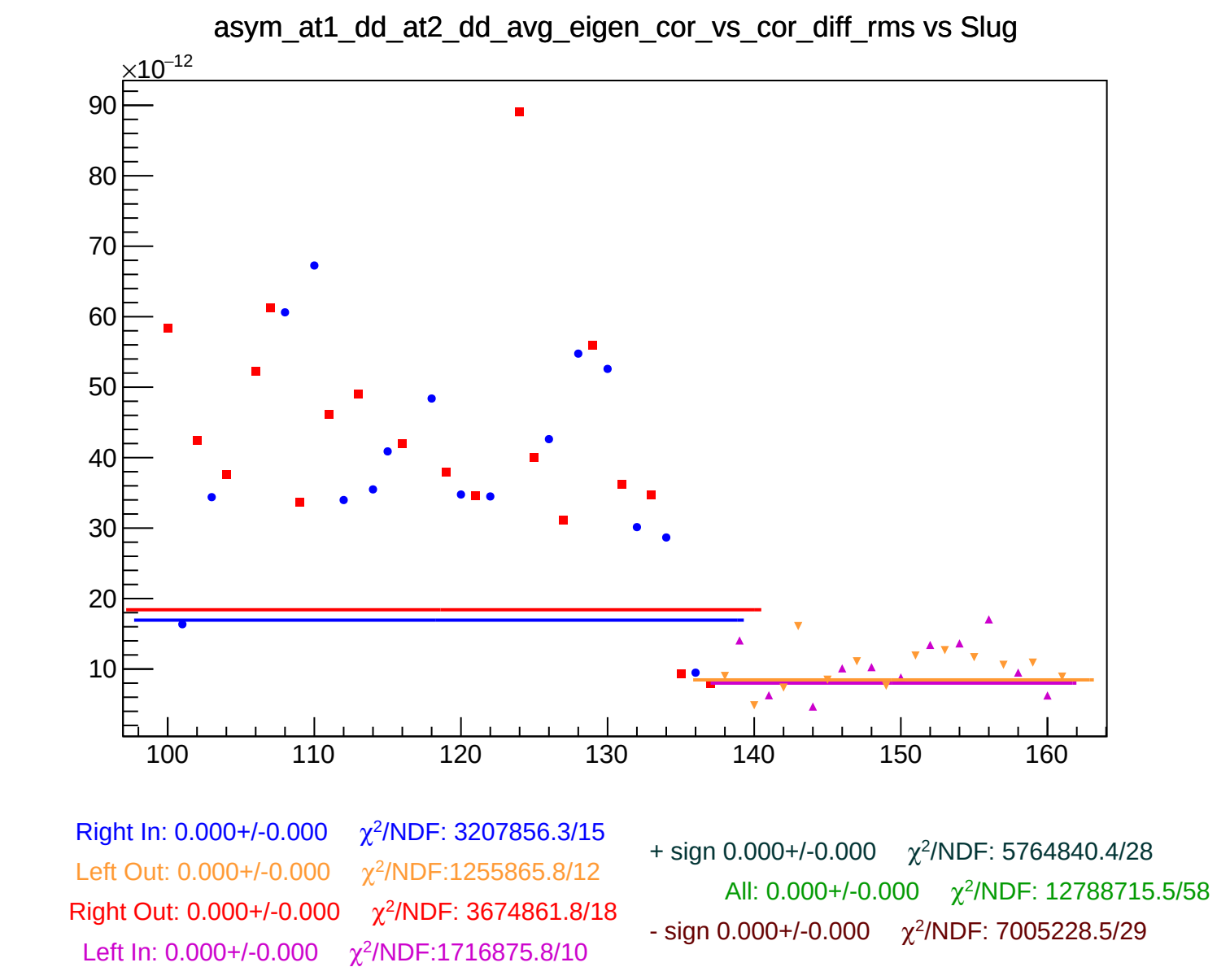
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 23.2/28

All: -0.000+/-0.000 χ^2/NDF: 65.5/58

- sign 0.000+/-0.000 χ^2/NDF: 41.6/29


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
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50
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30
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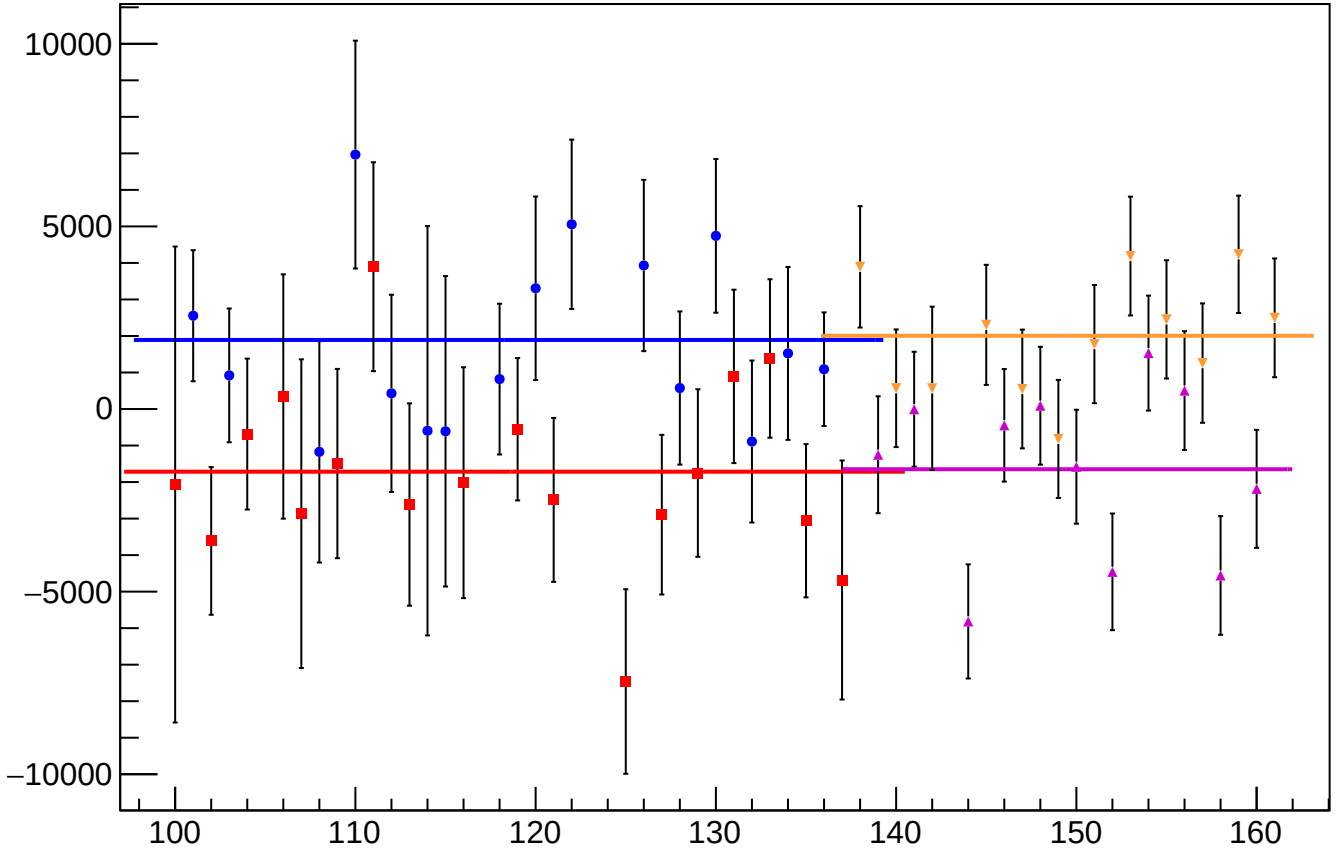
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1255865.8/12
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1716875.8/10
+ sign 0.000+/-0.000 χ²/NDF: 5764840.4/28
All: 0.000+/-0.000 χ²/NDF: 12788715.5/58
- sign 0.000+/-0.000 χ²/NDF: 7005228.5/29

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2005.304+/-478.909 χ^2/NDF:10.5/11

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

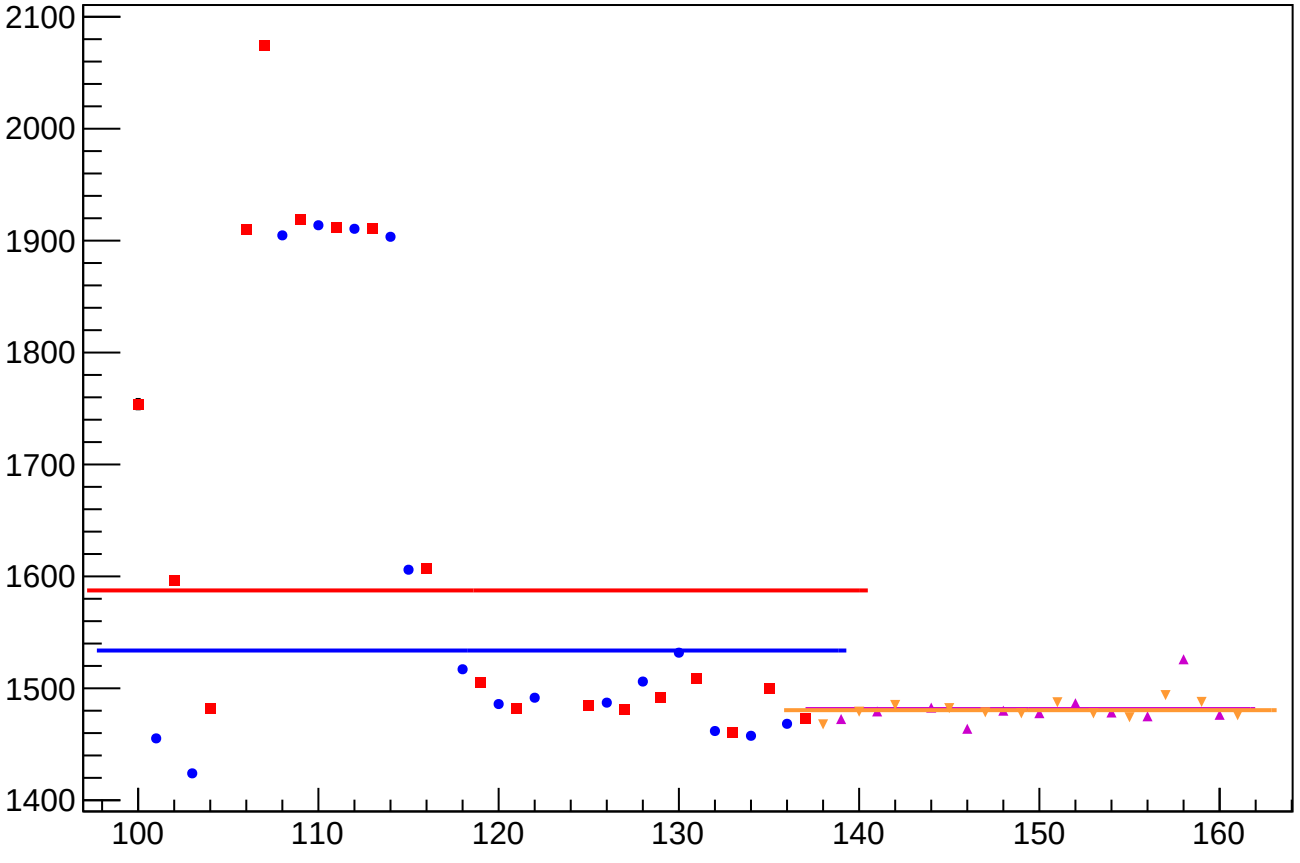
Left In: -1648.318+/-479.178 χ^2/NDF:22.3/10

+ sign 1958.410+/-367.264 χ^2/NDF: 22.8/27

All: 164.083+/-261.296 χ^2/NDF: 109.4/56

- sign -1675.209+/-371.837 χ^2/NDF: 38.3/28

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1480.471+/-0.339 χ^2/NDF:406.3/11

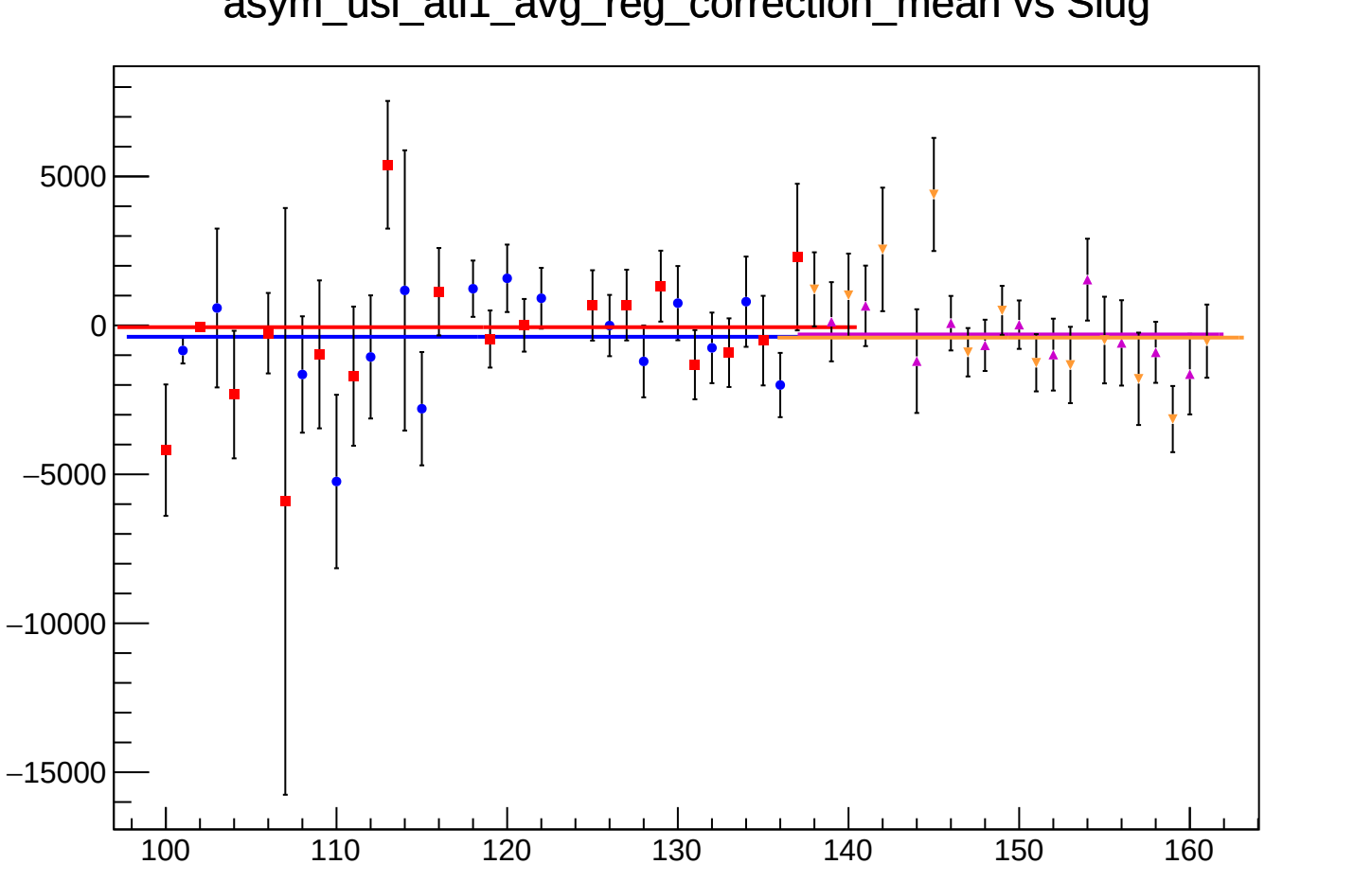
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1481.484+/-0.339 χ^2/NDF:1920.3/10

+ sign 1502.425+/-0.260 χ^2/NDF: 139882.0/27

All: 1512.904+/-0.185 χ^2/NDF: 356007.9/56

- sign 1523.646+/-0.263 χ^2/NDF: 212828.4/28



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -409.514+/-339.021 χ^2/NDF:20.9/11

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

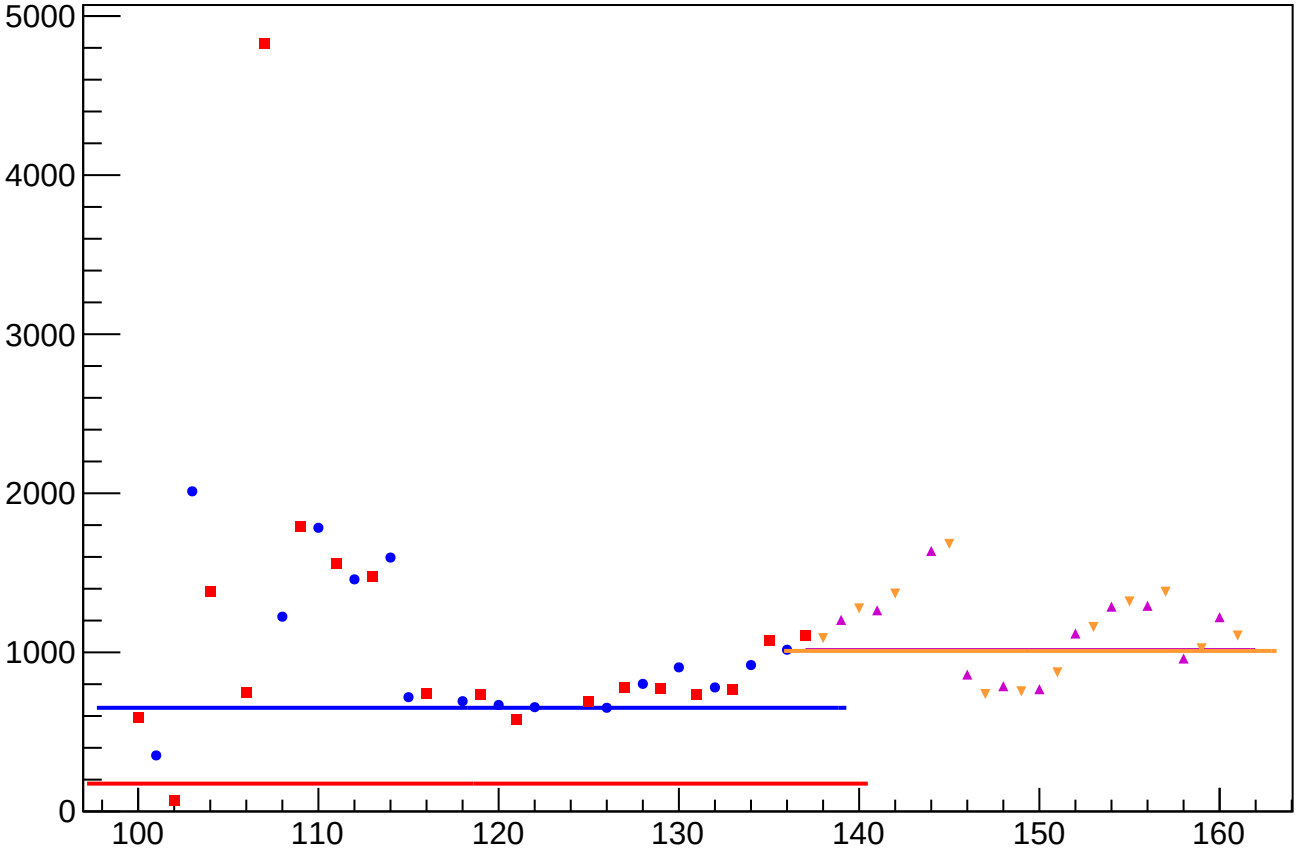
Left In: -304.538+/-338.963 χ^2/NDF:4.8/10

+ sign -393.264+/-212.256 χ^2/NDF: 39.1/27

All: -163.270+/-104.132 χ^2/NDF: 63.7/56

- sign -90.368+/-119.501 χ^2/NDF: 23.1/28

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1009.180+/-0.240 χ^2/NDF:1091057.2/11

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

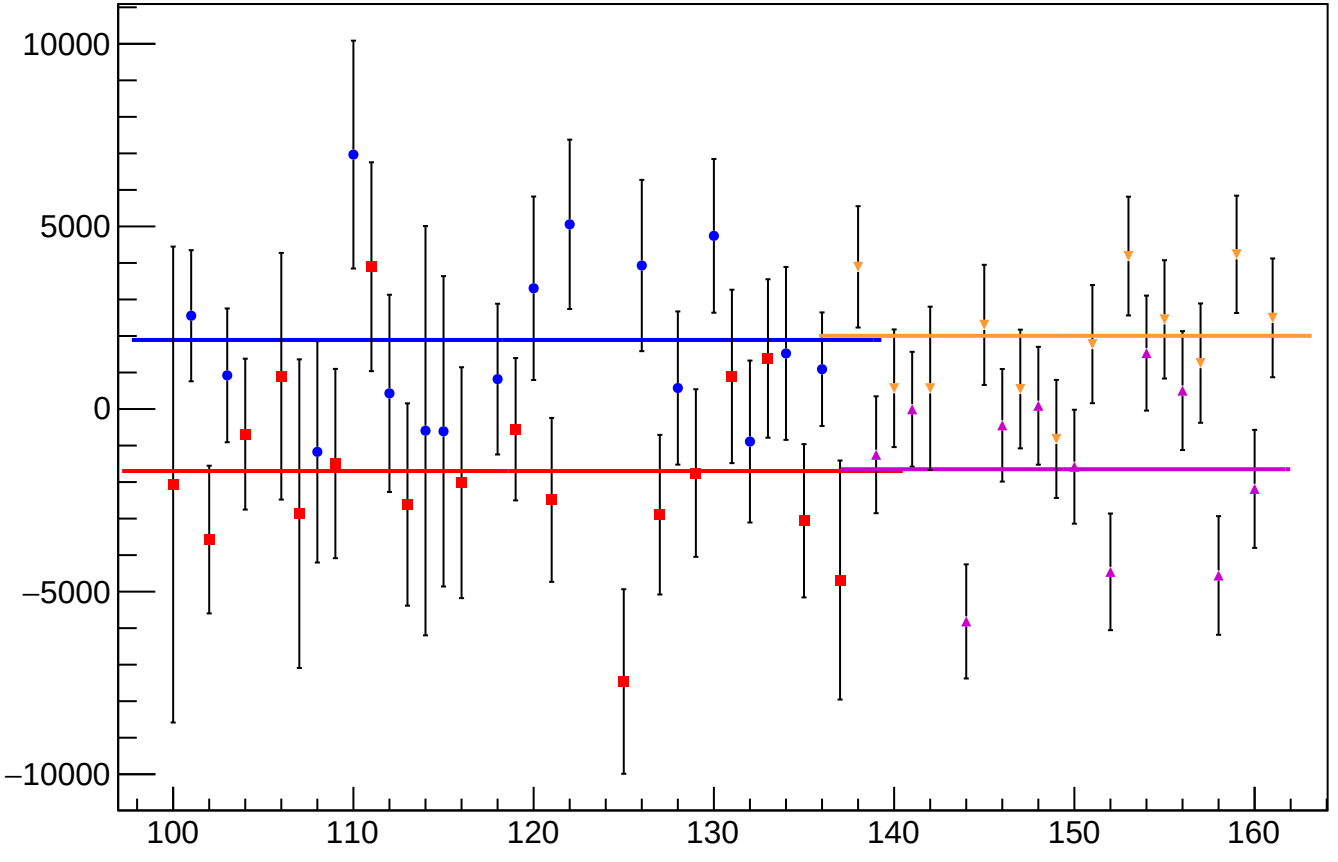
Left In: 1014.729+/-0.240 χ^2/NDF:965428.5/10

+ sign 791.718+/-0.150 χ^2/NDF: 5207109.6/27

All: 402.617+/-0.074 χ^2/NDF: 35536644.3/56

- sign 279.282+/-0.085 χ^2/NDF: 21478139.4/28

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2005.274+/-478.909 χ^2/NDF:10.5/11

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

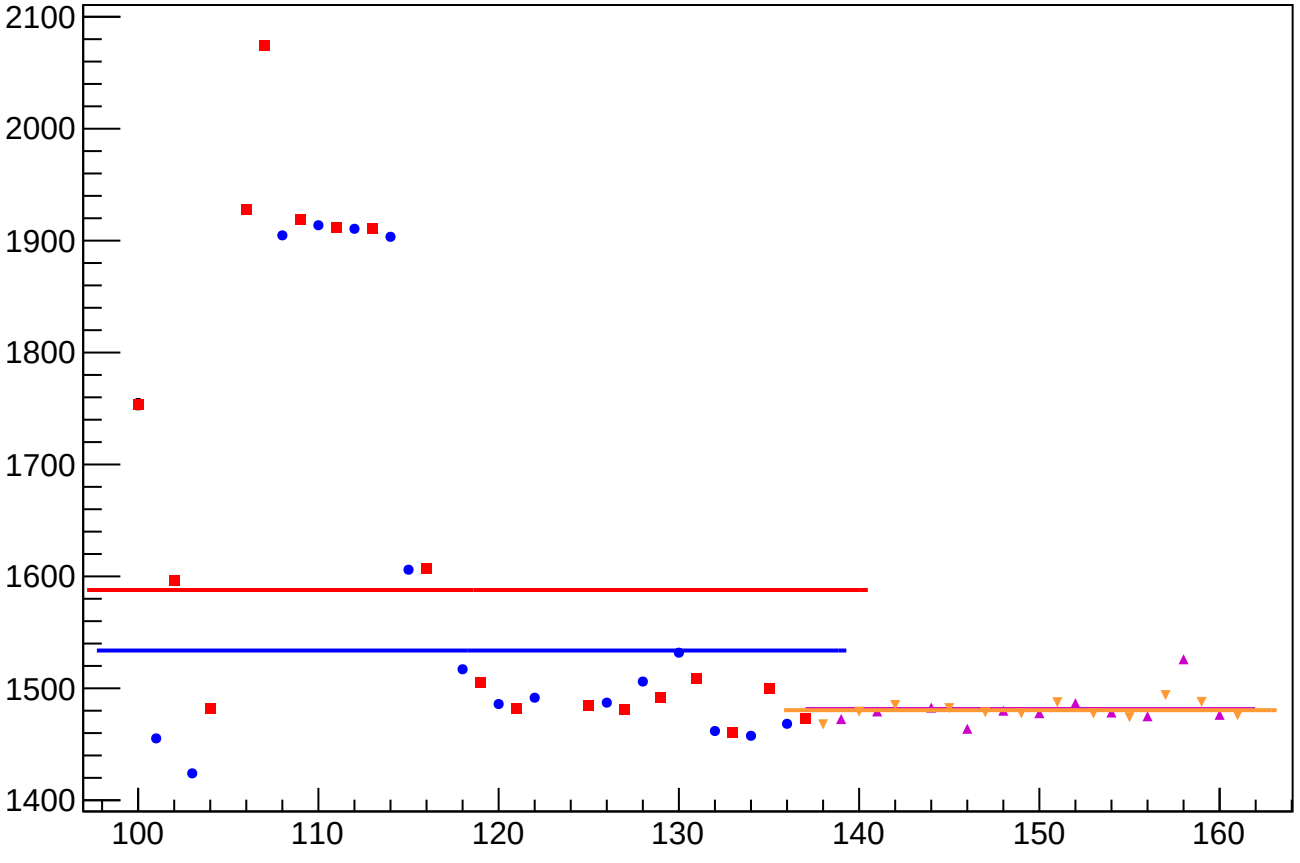
Left In: -1648.449+/-479.178 χ^2/NDF:22.3/10

+ sign 1958.436+/-367.264 χ^2/NDF: 22.8/27

All: 168.000+/-261.312 χ^2/NDF: 109.3/56

- sign -1667.752+/-371.882 χ^2/NDF: 38.4/28

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1480.471+/-0.339 χ^2/NDF:406.3/11

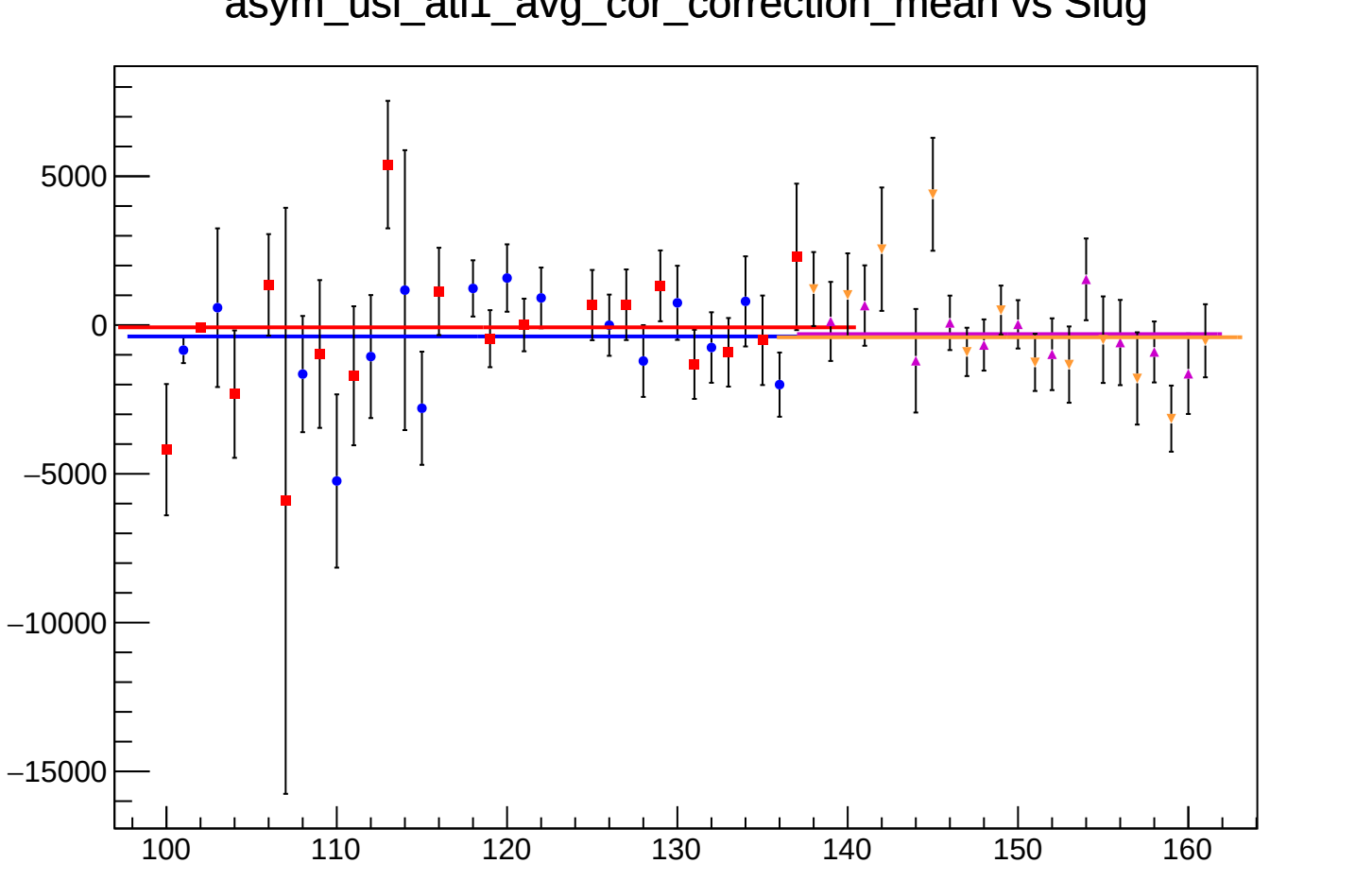
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.484+/-0.339 χ^2/NDF:1920.3/10

+ sign 1502.425+/-0.260 χ^2/NDF: 139881.9/27

All: 1512.971+/-0.185 χ^2/NDF: 358097.7/56

- sign 1523.784+/-0.263 χ^2/NDF: 214875.8/28



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -409.597+/-339.024 χ^2/NDF:20.9/11

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

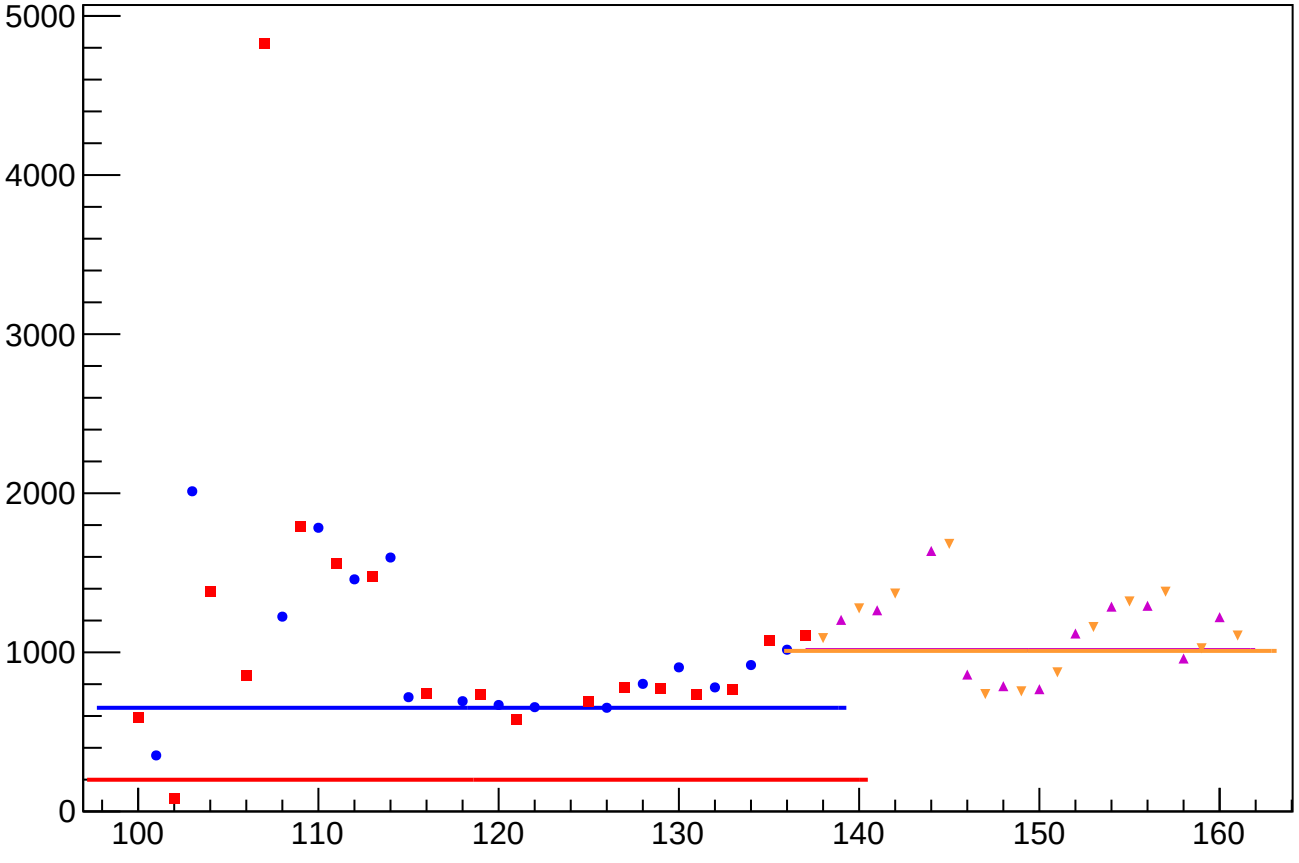
Left In: -304.615+/-338.963 χ^2/NDF:4.8/10

+ sign -393.280+/-212.257 χ^2/NDF: 39.1/27

All: -184.896+/-109.563 χ^2/NDF: 64.1/56

- sign -109.207+/-127.922 χ^2/NDF: 23.7/28

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1009.190+/-0.240 χ^2/NDF:1091050.8/11

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

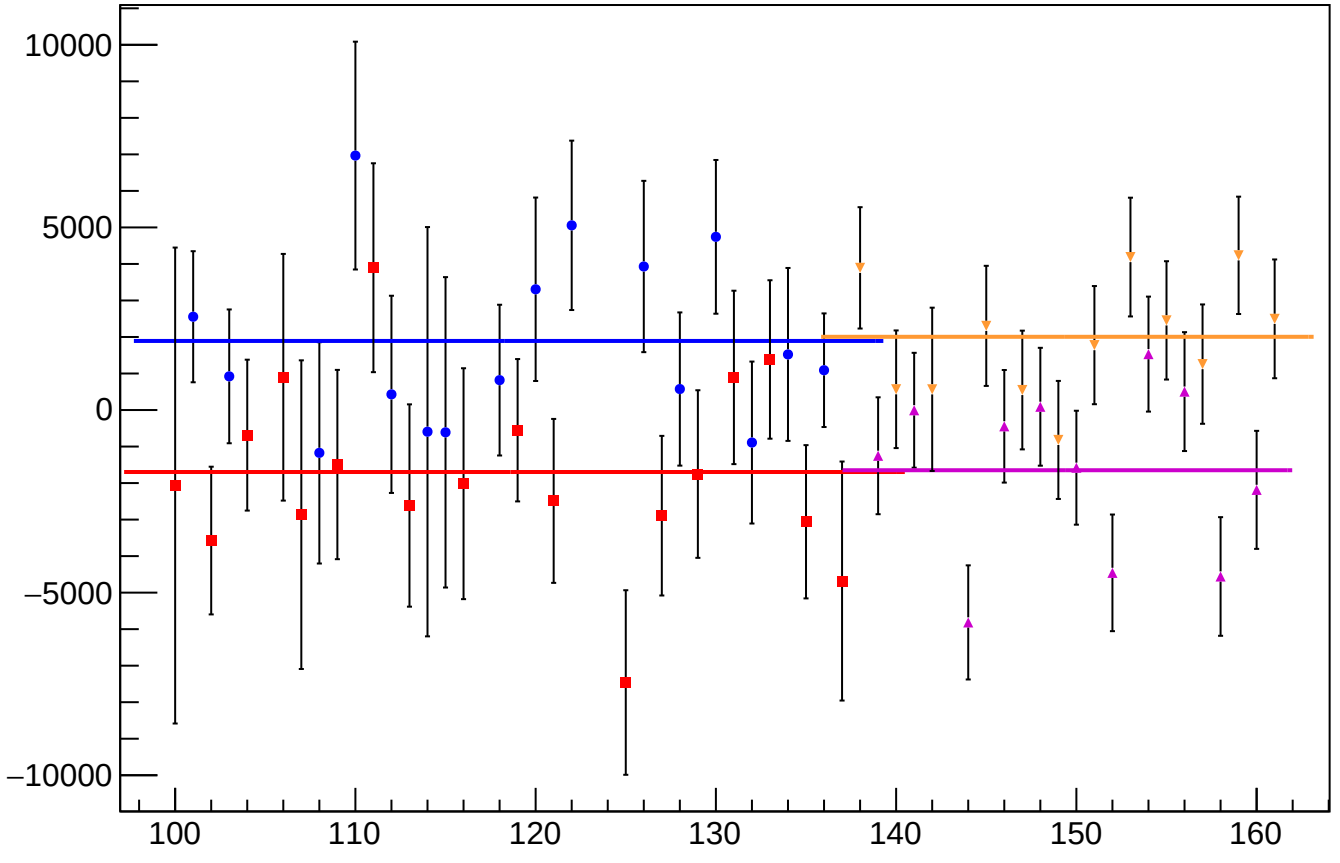
Left In: 1014.728+/-0.240 χ^2/NDF:965504.6/10

+ sign 791.720+/-0.150 χ^2/NDF: 5207204.9/27

All: 442.367+/-0.077 χ^2/NDF: 32768146.7/56

- sign 315.475+/-0.090 χ^2/NDF: 20175093.3/28

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2005.274+/-478.909 χ^2/NDF:10.5/11

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

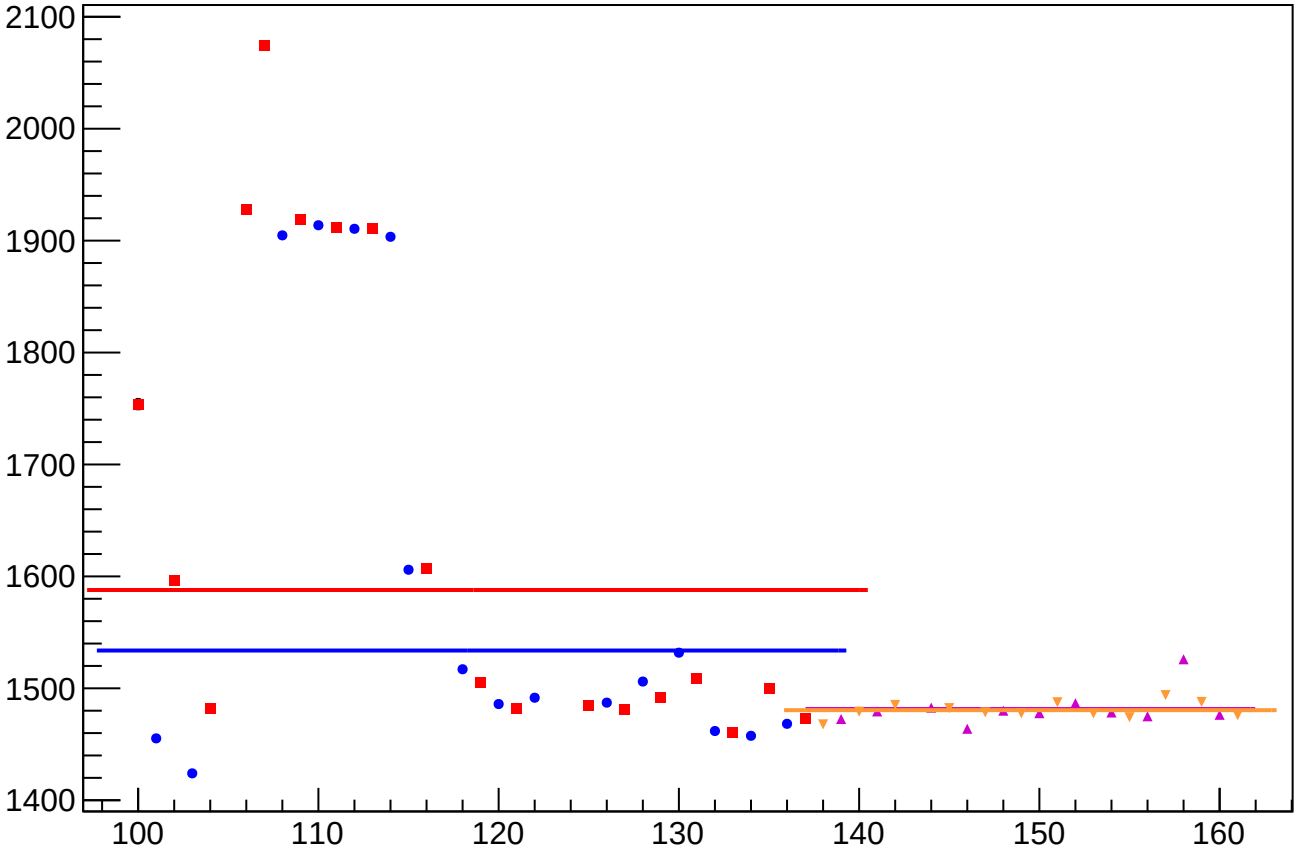
Left In: -1648.449+/-479.178 χ^2/NDF:22.3/10

+ sign 1958.436+/-367.264 χ^2/NDF: 22.8/27

All: 168.000+/-261.312 χ^2/NDF: 109.3/56

- sign -1667.752+/-371.882 χ^2/NDF: 38.4/28

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1480.471+/-0.339 χ^2/NDF:406.3/11

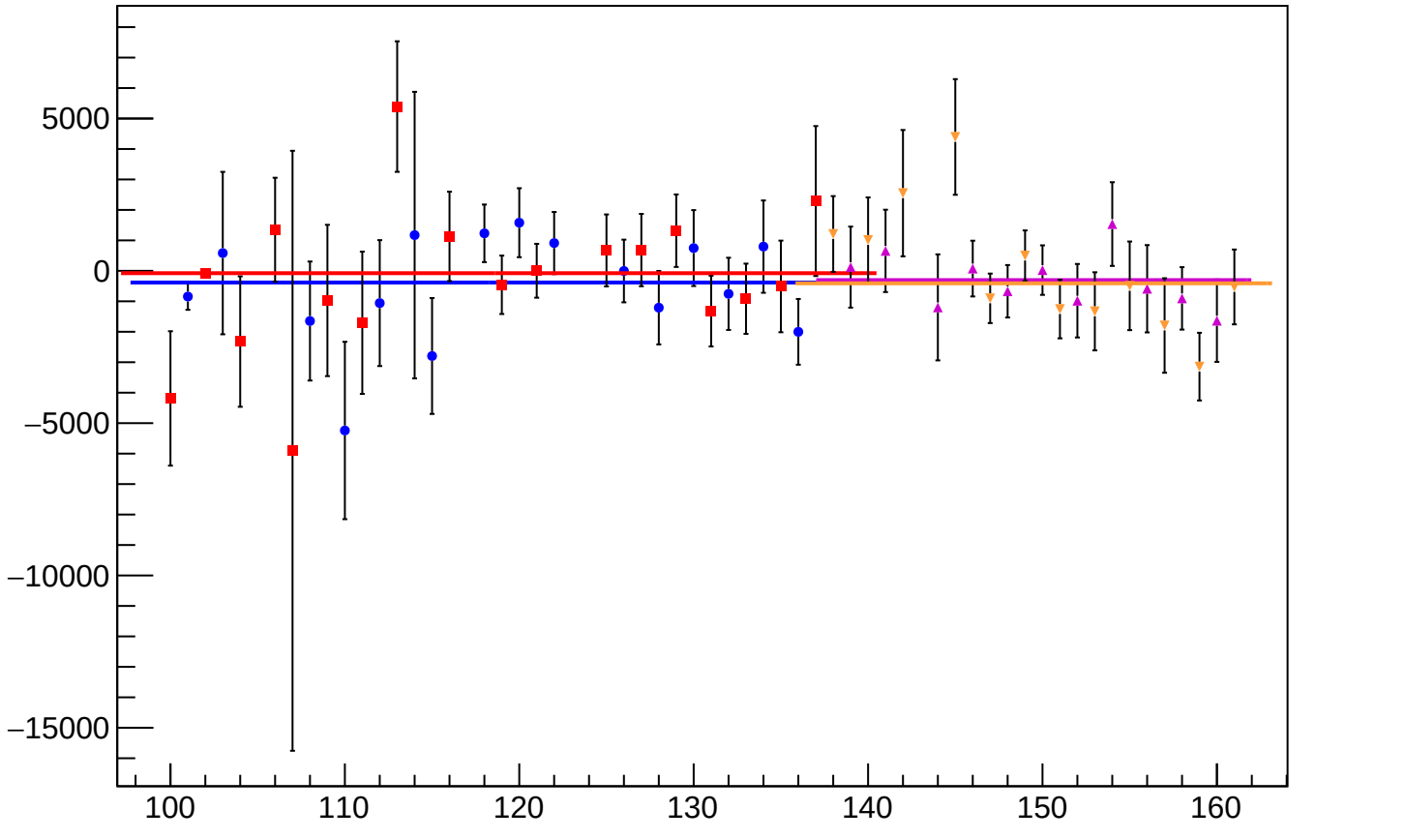
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.484+/-0.339 χ^2/NDF:1920.3/10

+ sign 1502.425+/-0.260 χ^2/NDF: 139881.9/27

All: 1512.971+/-0.185 χ^2/NDF: 358097.7/56

- sign 1523.784+/-0.263 χ^2/NDF: 214875.8/28



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -409.597+/-339.024 χ^2/NDF:20.9/11

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

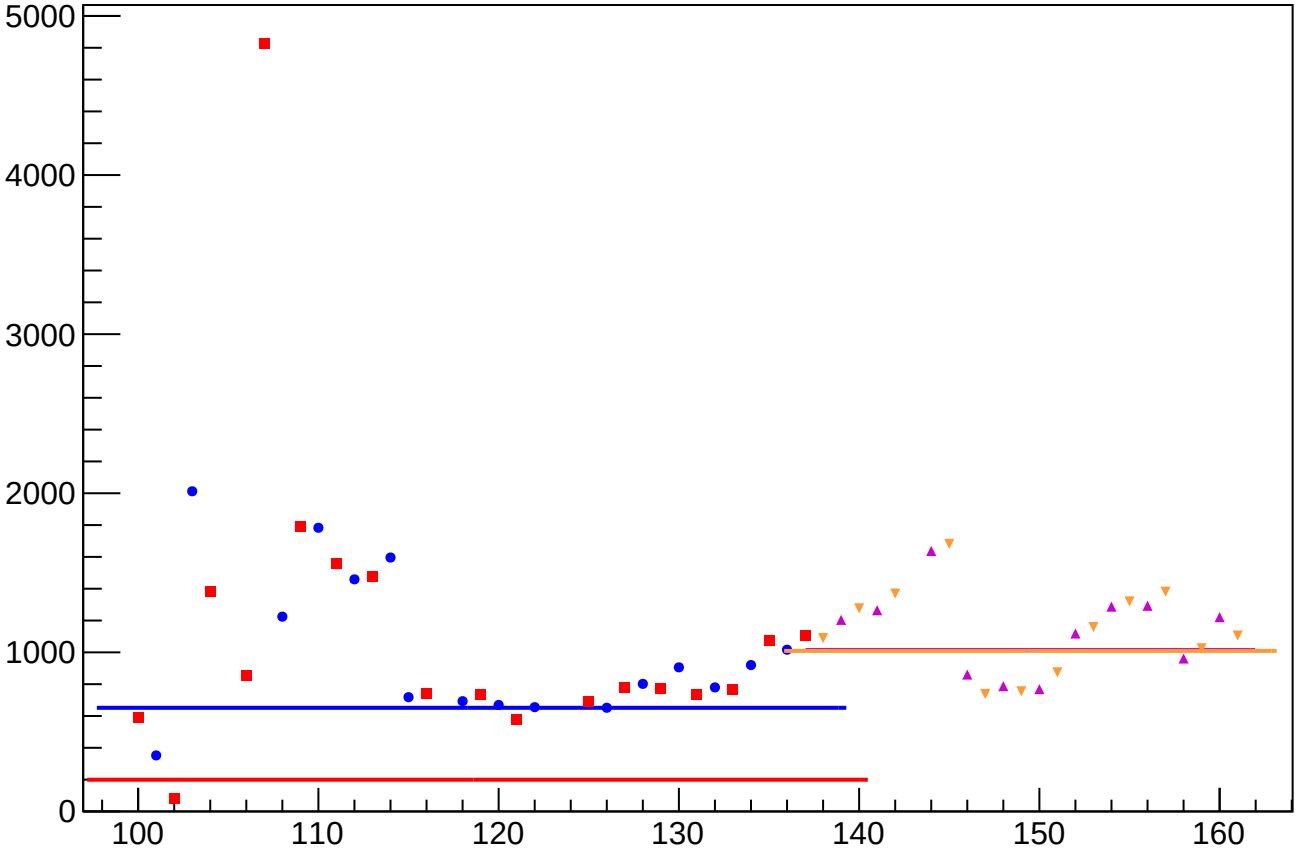
Left In: -304.615+/-338.963 χ^2/NDF:4.8/10

+ sign -393.280+/-212.257 χ^2/NDF: 39.1/27

All: -184.896+/-109.563 χ^2/NDF: 64.1/56

- sign -109.207+/-127.922 χ^2/NDF: 23.7/28

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1009.190+/-0.240 χ^2/NDF:1091050.8/11

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

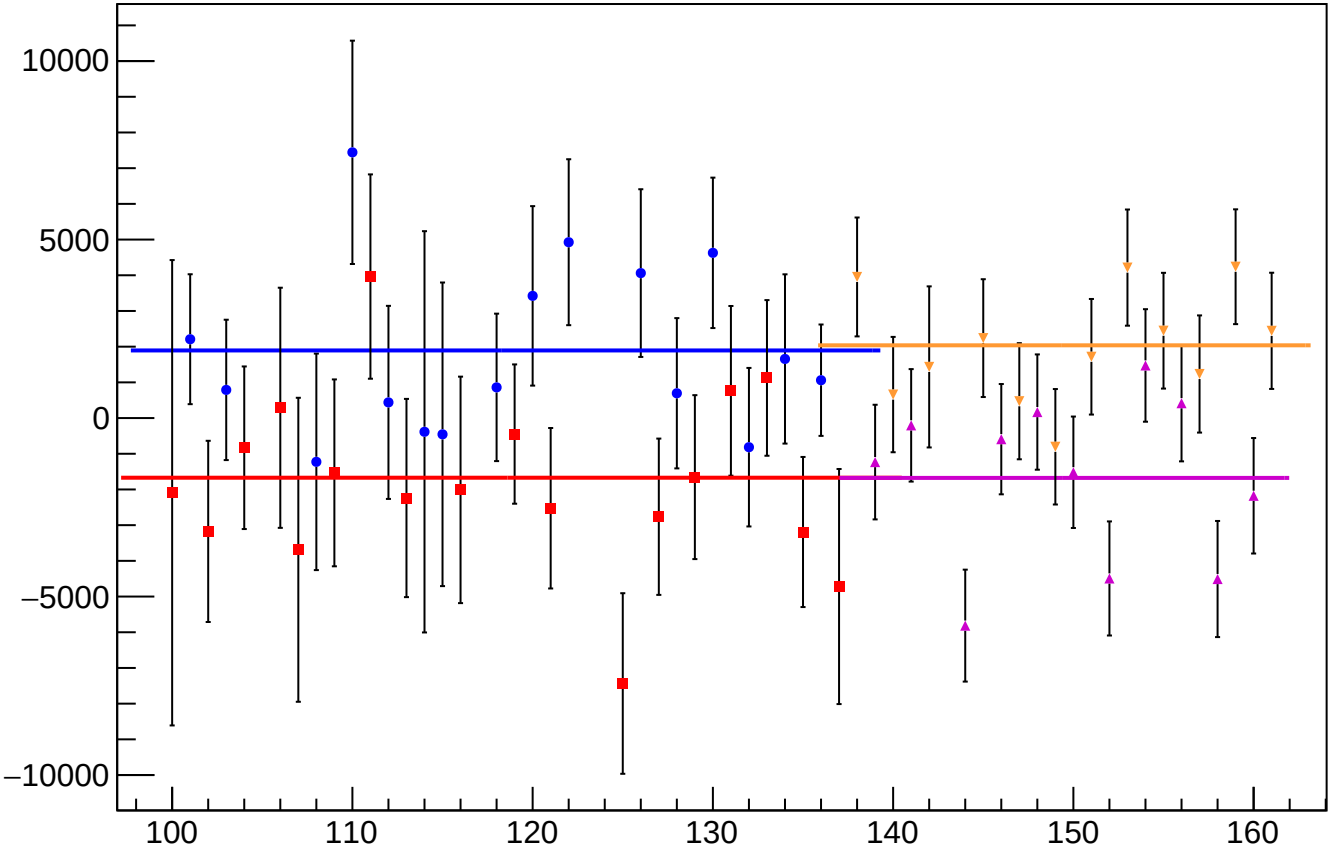
Left In: 1014.728+/-0.240 χ^2/NDF:965504.6/10

+ sign 791.720+/-0.150 χ^2/NDF: 5207204.9/27

All: 442.367+/-0.077 χ^2/NDF: 32768146.7/56

- sign 315.475+/-0.090 χ^2/NDF: 20175093.3/28

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 2037.872+/-479.862 χ^2/NDF:10.2/11

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

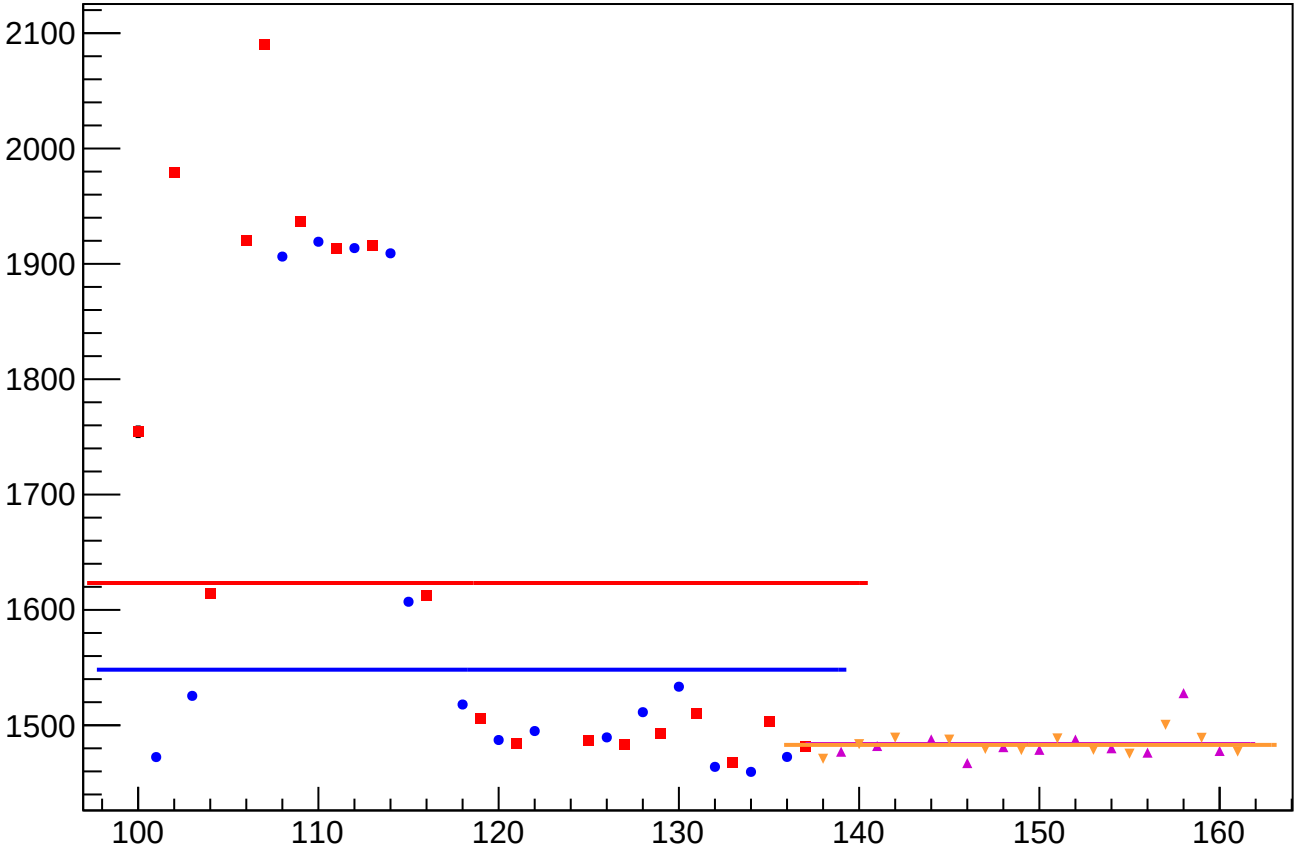
Left In: -1676.350+/-479.911 χ^2/NDF:21.6/10

+ sign 1979.194+/-369.110 χ^2/NDF: 22.5/27

All: 185.981+/-263.383 χ^2/NDF: 107.3/56

- sign -1674.257+/-375.945 χ^2/NDF: 36.6/28

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1482.979+/-0.339 χ^2/NDF:521.6/11

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

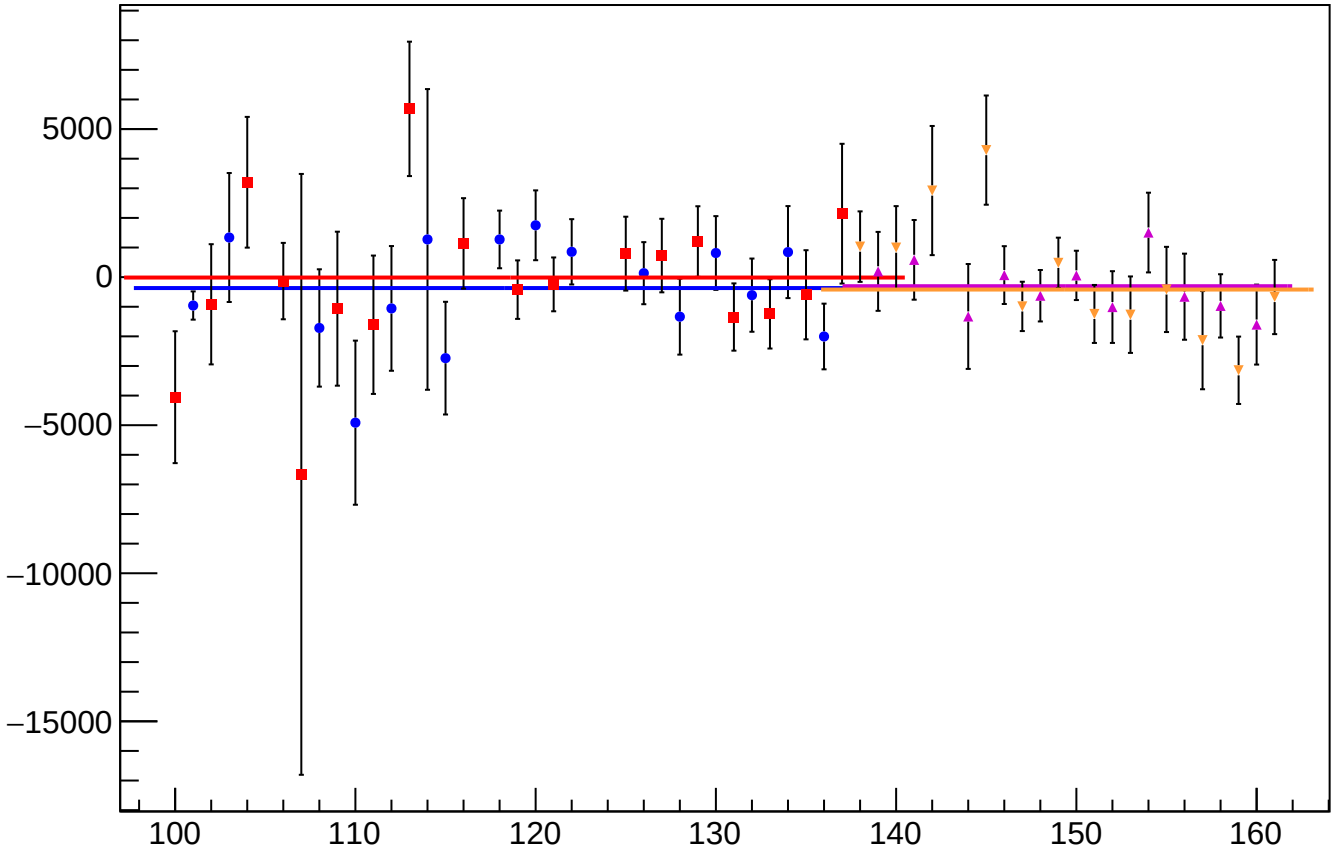
Left In: 1483.725+/-0.339 χ^2/NDF:1868.5/10

+ sign 1509.600+/-0.261 χ^2/NDF: 135501.4/27

All: 1523.373+/-0.186 χ^2/NDF: 419963.4/56

- sign 1537.660+/-0.266 χ^2/NDF: 278788.8/28

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -419.184+/-344.218 χ^2/NDF:20.9/11

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

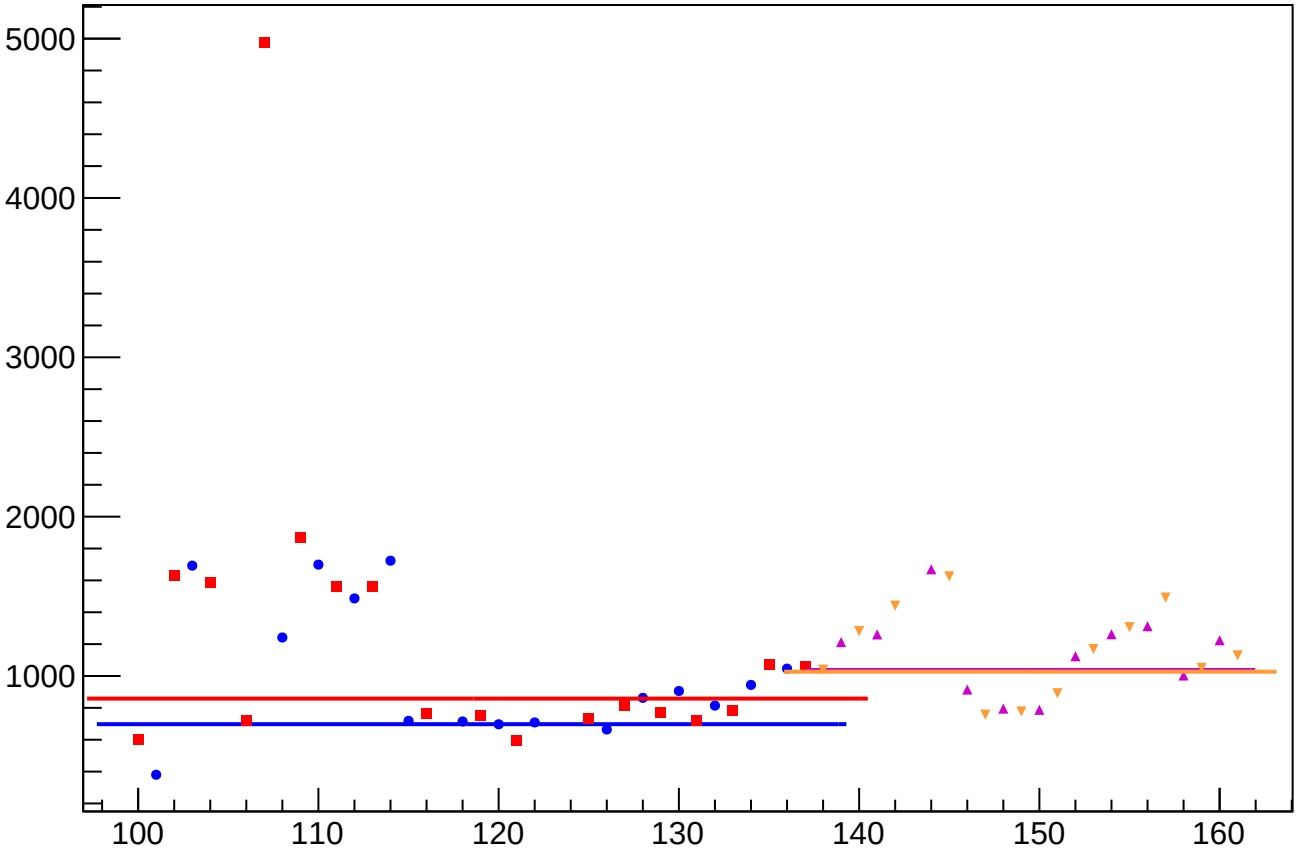
Left In: -306.021+/-345.424 χ^2/NDF:4.9/10

+ sign -389.372+/-220.240 χ^2/NDF: 39.9/27

All: -285.075+/-163.151 χ^2/NDF: 64.7/56

- sign -158.235+/-242.877 χ^2/NDF: 24.3/28

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1026.951+/-0.243 χ^2/NDF:1040161.4/11

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

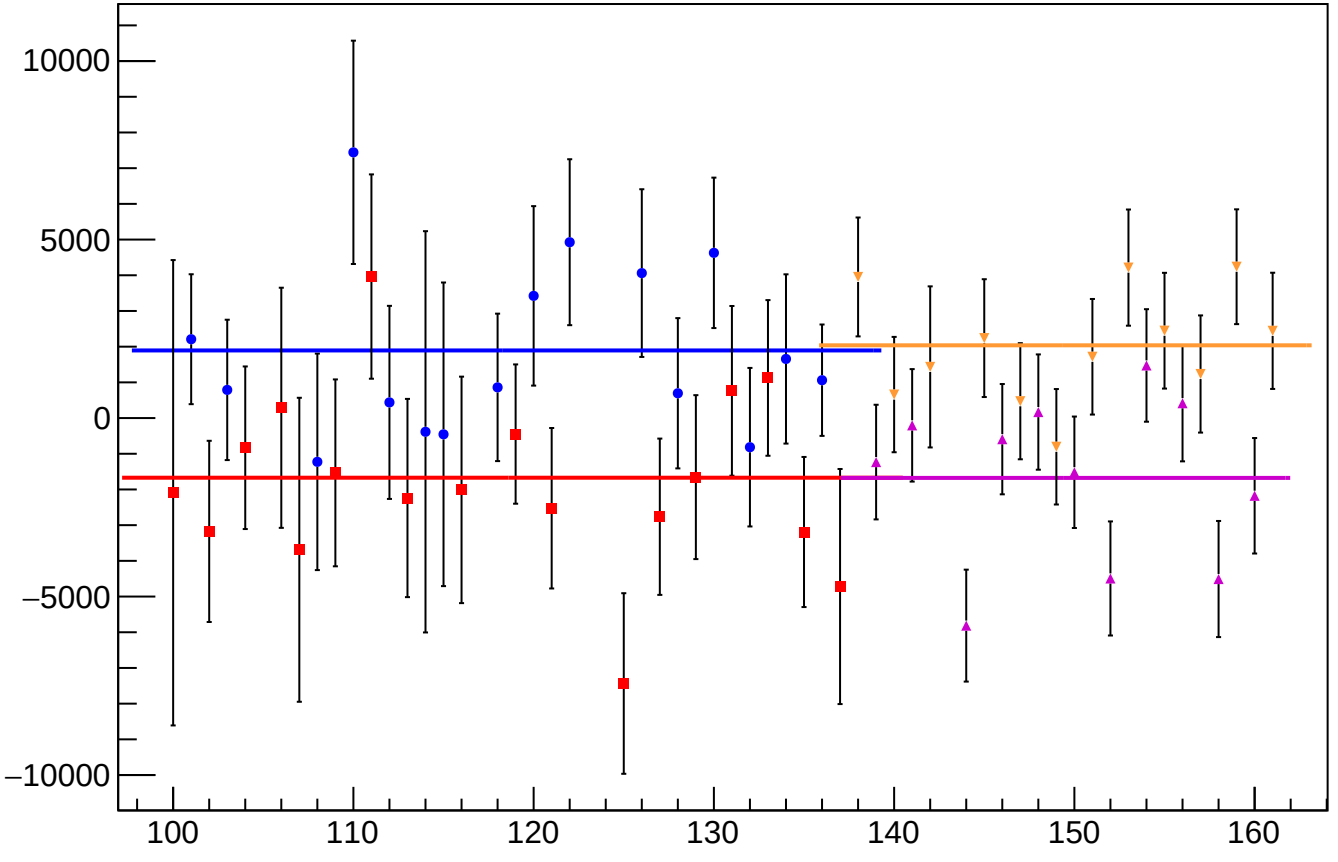
Left In: 1037.476+/-0.244 χ^2/NDF:888699.2/10

+ sign 832.379+/-0.156 χ^2/NDF: 4557718.0/27

All: 884.001+/-0.115 χ^2/NDF: 7844781.2/56

- sign 946.779+/-0.172 χ^2/NDF: 3043567.4/28

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 2037.869+/-479.862 χ^2/NDF:10.2/11

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

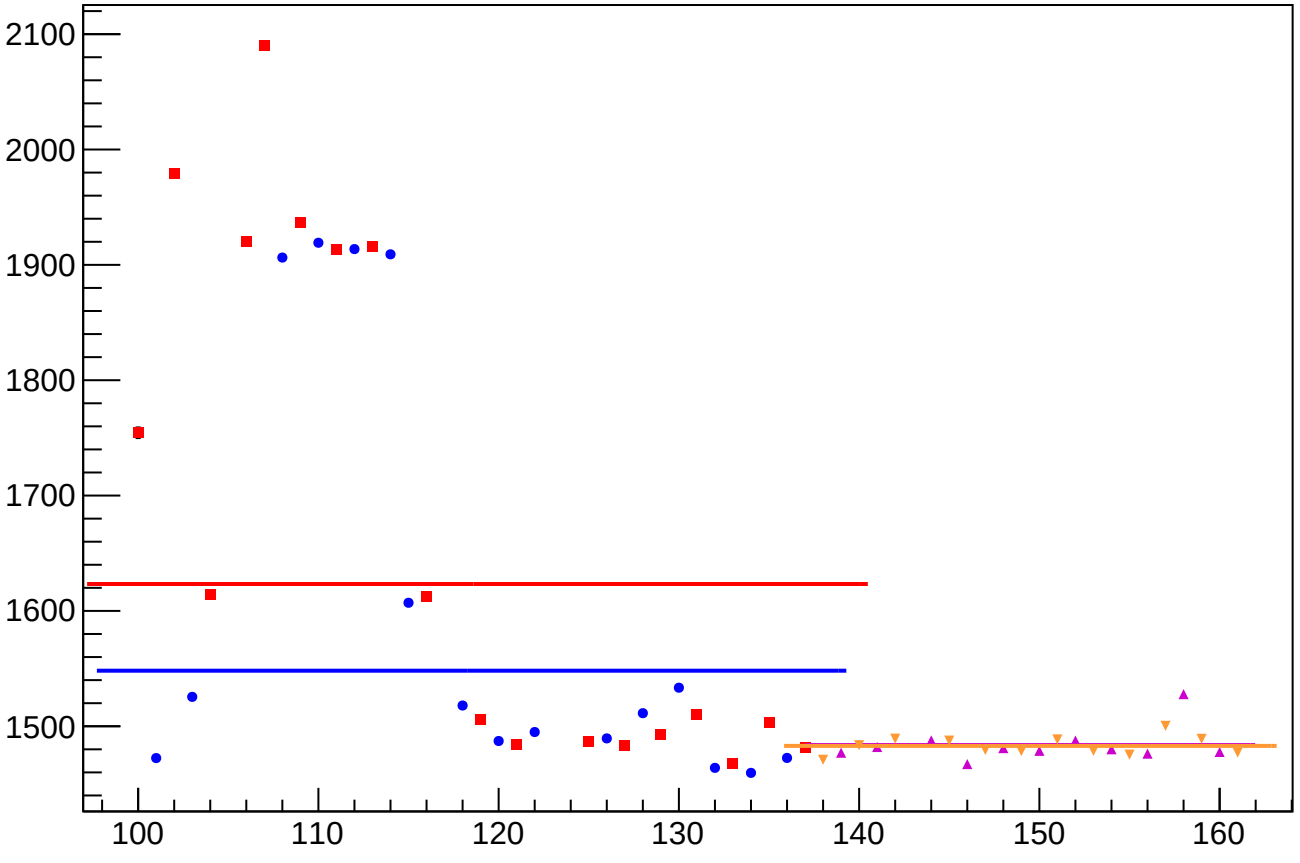
Left In: -1676.352+/-479.911 χ^2/NDF:21.6/10

+ sign 1979.192+/-369.110 χ^2/NDF: 22.5/27

All: 185.980+/-263.383 χ^2/NDF: 107.3/56

- sign -1674.257+/-375.945 χ^2/NDF: 36.6/28

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1482.979+/-0.339 χ^2/NDF:521.6/11

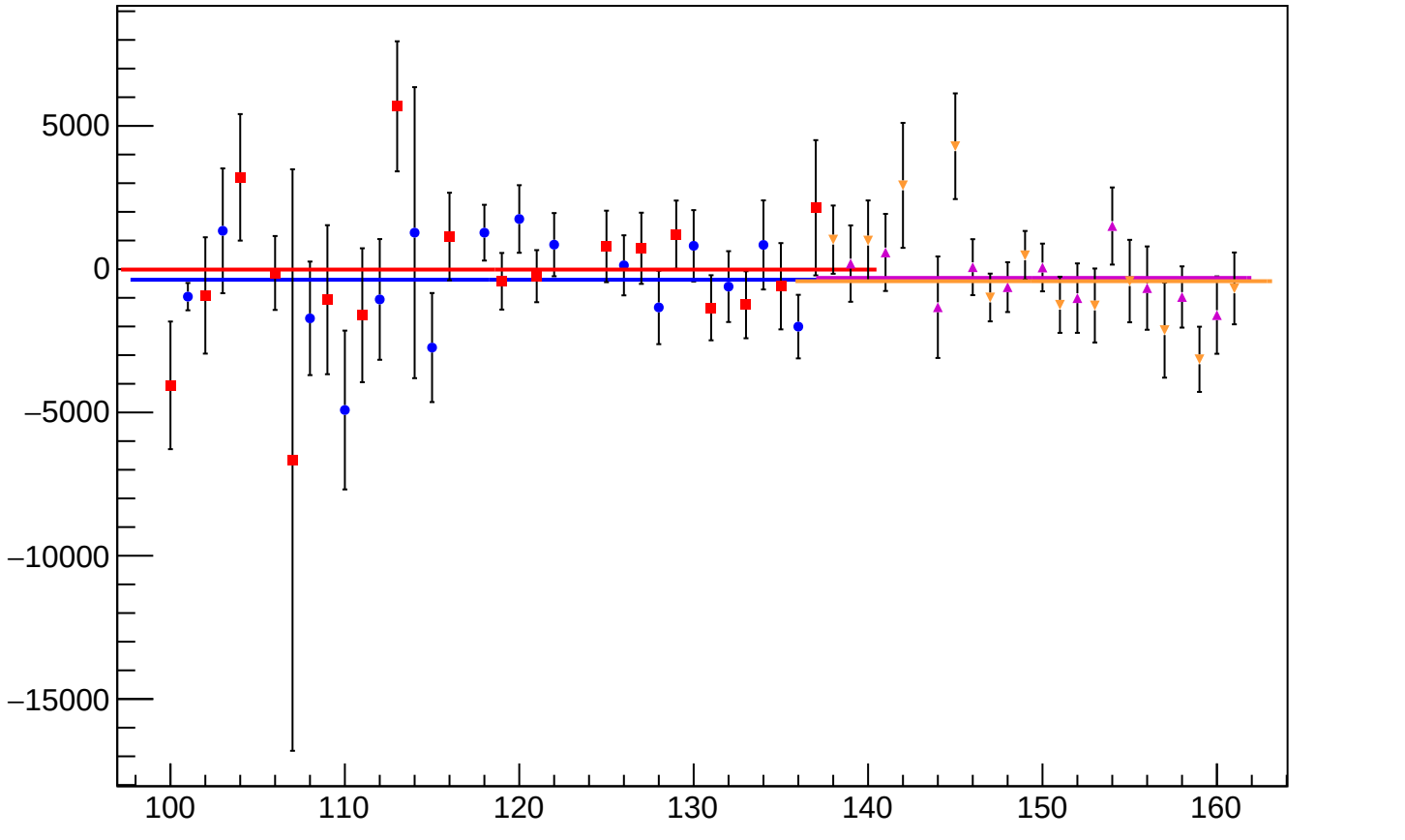
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1483.725+/-0.339 χ^2/NDF:1868.5/10

+ sign 1509.600+/-0.261 χ^2/NDF: 135501.3/27

All: 1523.373+/-0.186 χ^2/NDF: 419962.9/56

- sign 1537.660+/-0.266 χ^2/NDF: 278788.4/28



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -419.187+/-344.219 χ^2/NDF:20.9/11

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

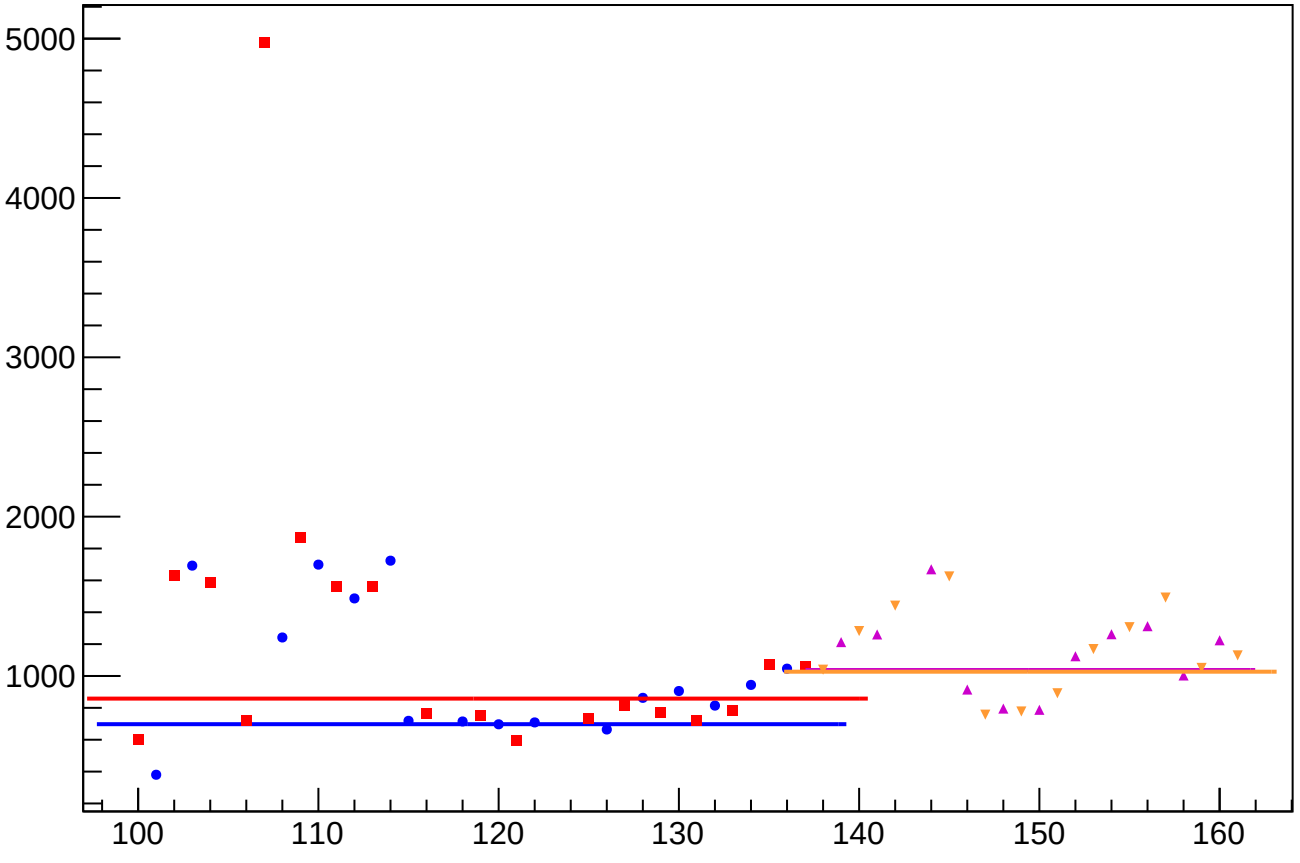
Left In: -306.022+/-345.424 χ^2/NDF:4.9/10

+ sign -389.372+/-220.240 χ^2/NDF: 39.9/27

All: -285.075+/-163.151 χ^2/NDF: 64.7/56

- sign -158.236+/-242.877 χ^2/NDF: 24.3/28

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1026.952+/-0.243 χ^2/NDF:1040159.1/11

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

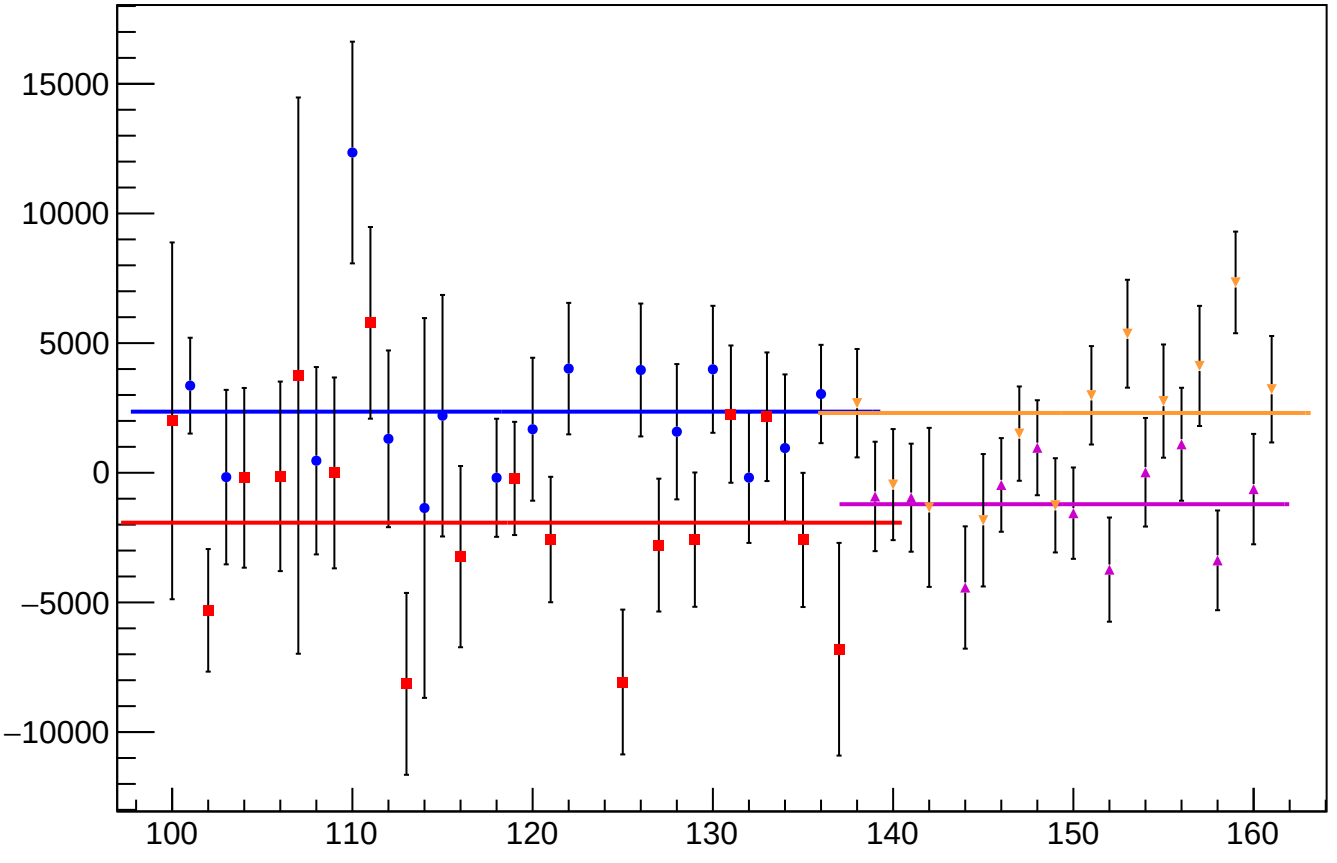
Left In: 1037.477+/-0.244 χ^2/NDF:888696.0/10

+ sign 832.380+/-0.156 χ^2/NDF: 4557717.7/27

All: 884.001+/-0.115 χ^2/NDF: 7844794.8/56

- sign 946.779+/-0.172 χ^2/NDF: 3043584.2/28

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 2306.255+/-607.003 χ^2/NDF:19.5/11

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

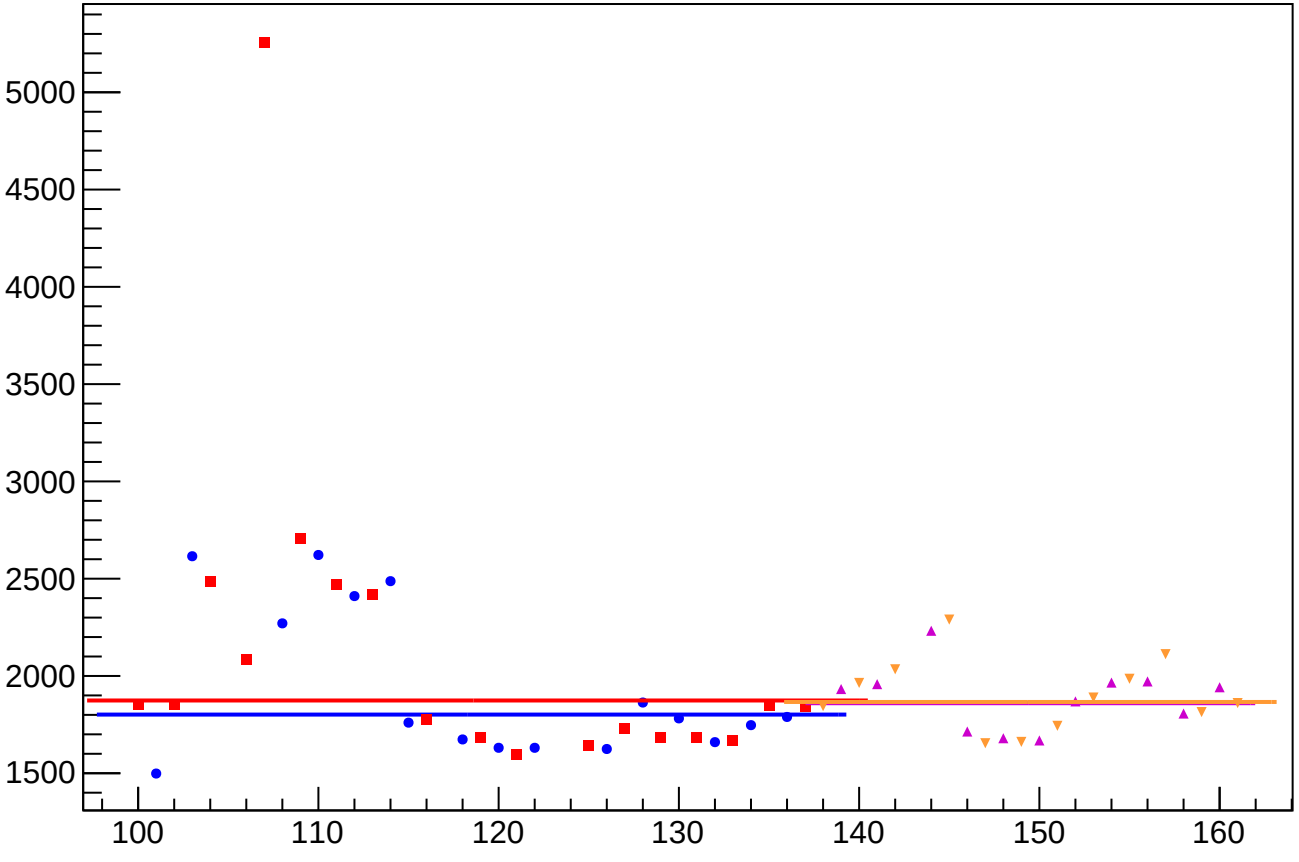
Left In: -1212.379+/-604.245 χ^2/NDF:7.9/10

+ sign 2328.797+/-452.520 χ^2/NDF: 30.5/27

All: 436.308+/-322.346 χ^2/NDF: 98.0/56

- sign -1513.206+/-459.287 χ^2/NDF: 31.9/28

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1866.366+/-0.429 χ^2/NDF:156574.9/11

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

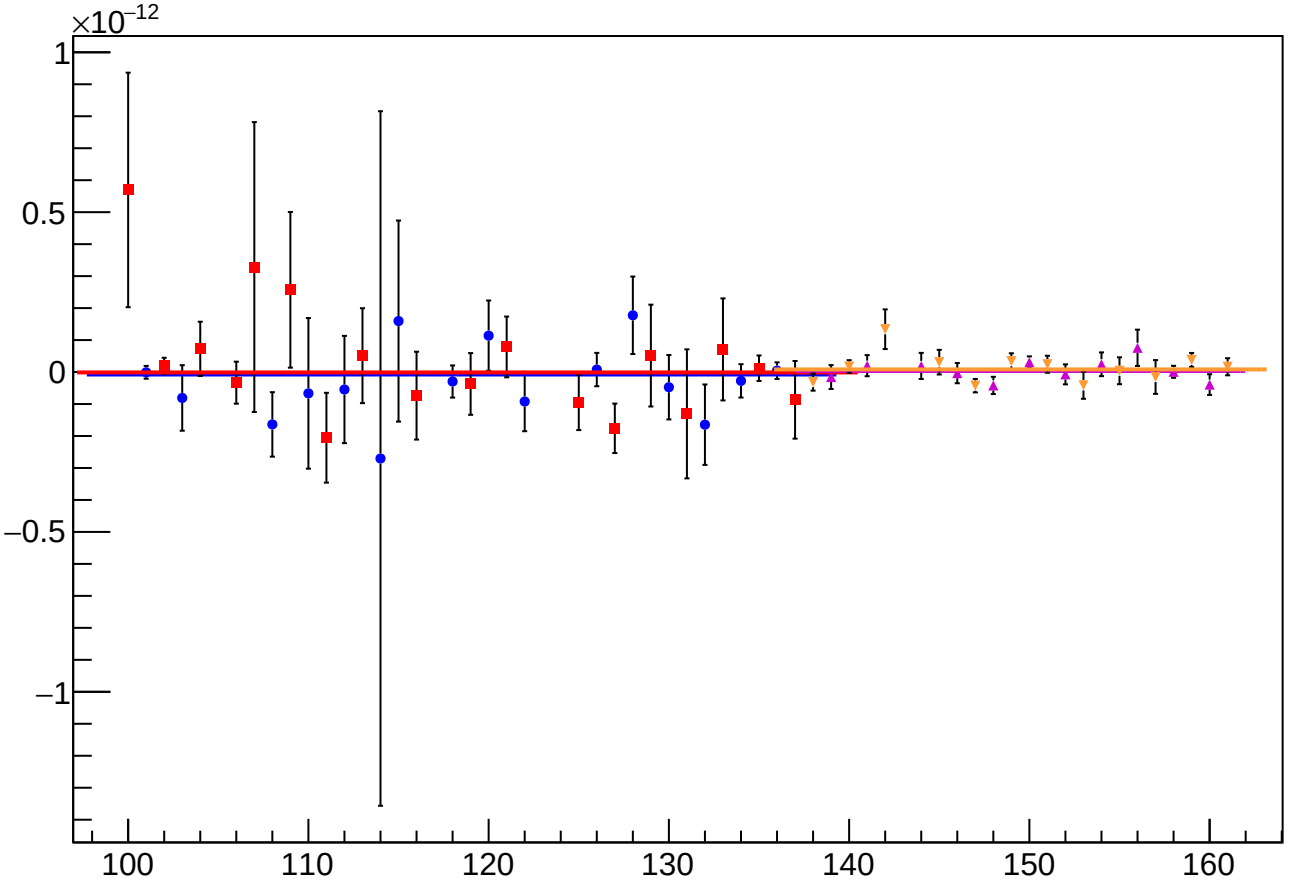
Left In: 1859.922+/-0.427 χ^2/NDF:127511.4/10

+ sign 1837.563+/-0.320 χ^2/NDF: 567414.2/27

All: 1851.500+/-0.228 χ^2/NDF: 1269142.7/56

- sign 1865.856+/-0.325 χ^2/NDF: 697877.3/28

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/11

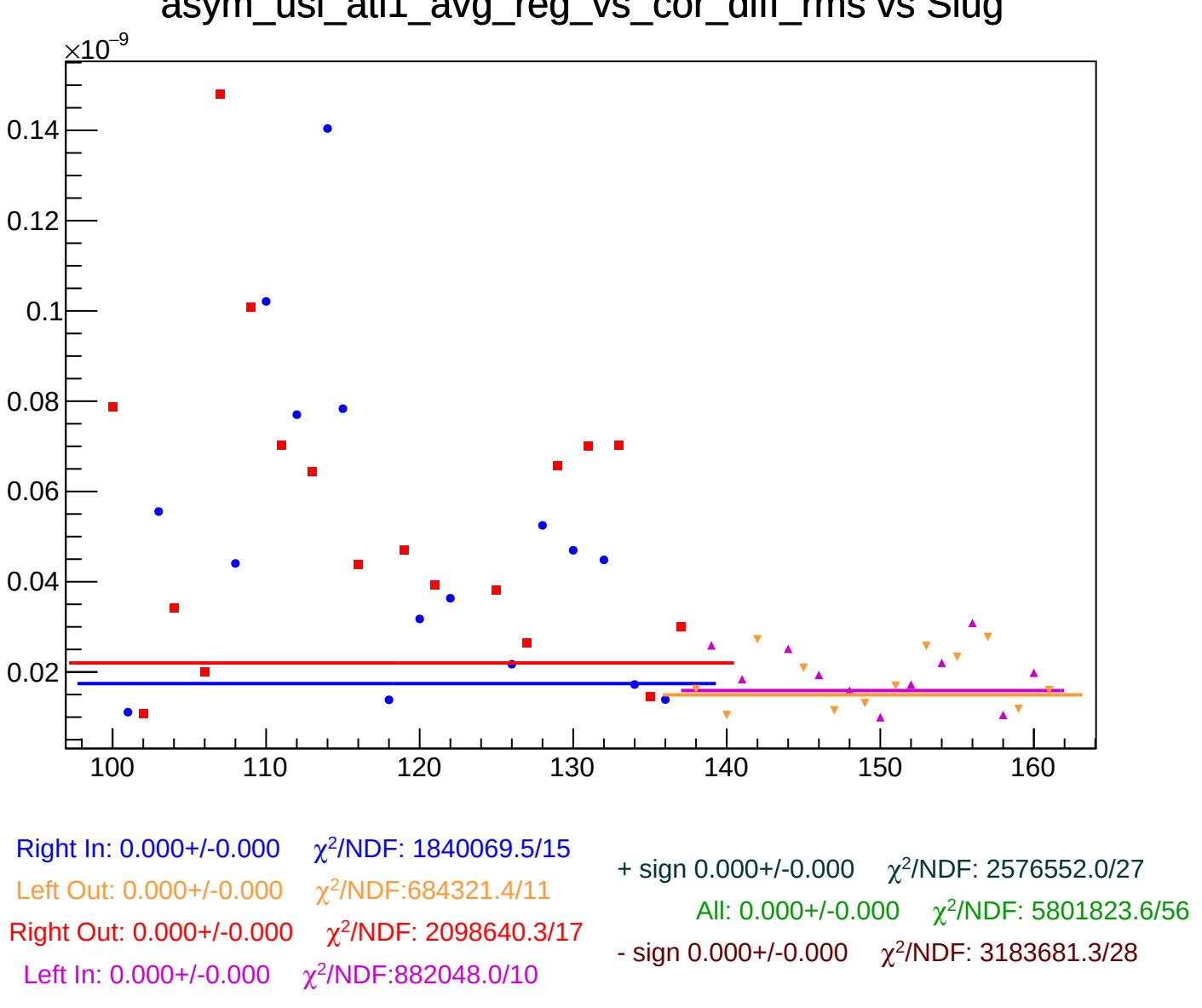
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

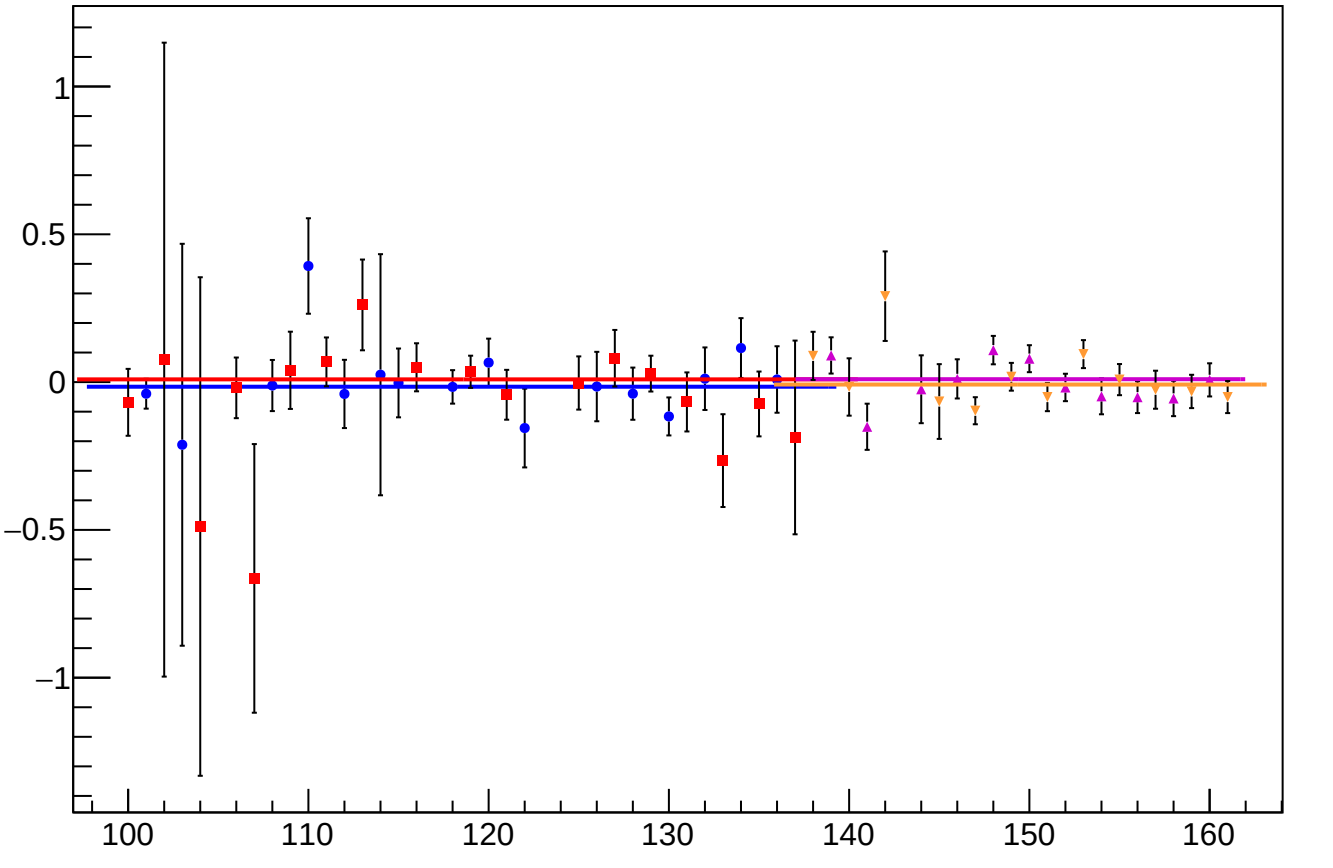
Left In: 0.000+/-0.000 χ^2/NDF:9.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 29.0/27

All: 0.000+/-0.000 χ^2/NDF: 55.3/56

- sign 0.000+/-0.000 χ^2/NDF: 26.2/28


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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:684321.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:882048.0/10
+ sign 0.000+/-0.000 χ²/NDF: 2576552.0/27
All: 0.000+/-0.000 χ²/NDF: 5801823.6/56
- sign 0.000+/-0.000 χ²/NDF: 3183681.3/28



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.008+/-0.017 χ^2/NDF:16.1/11

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

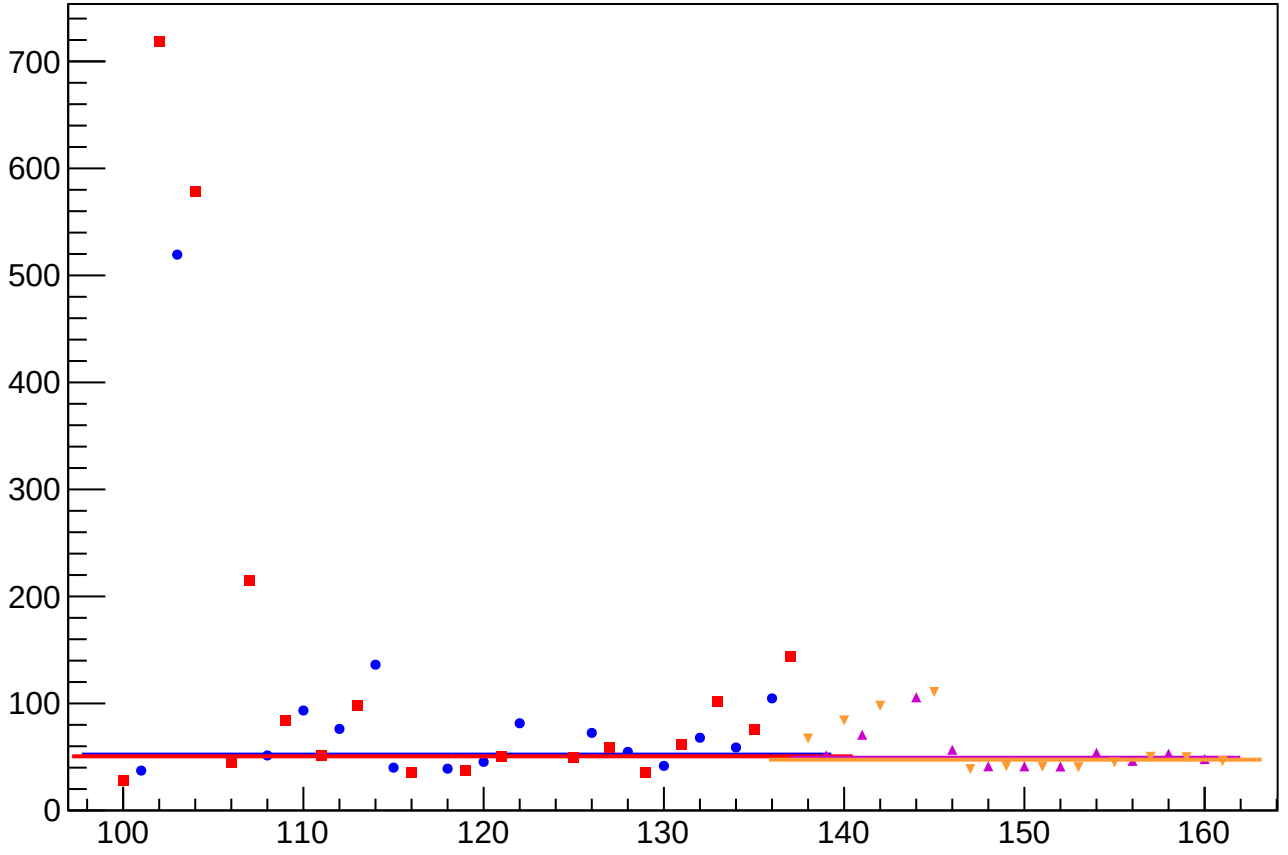
Left In: 0.010+/-0.017 χ^2/NDF:16.3/10

+ sign -0.011+/-0.014 χ^2/NDF: 29.3/27

All: -0.001+/-0.010 χ^2/NDF: 59.2/56

- sign 0.010+/-0.014 χ^2/NDF: 28.8/28

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: 47.446+/-0.012 χ^2/NDF:1328064.9/11

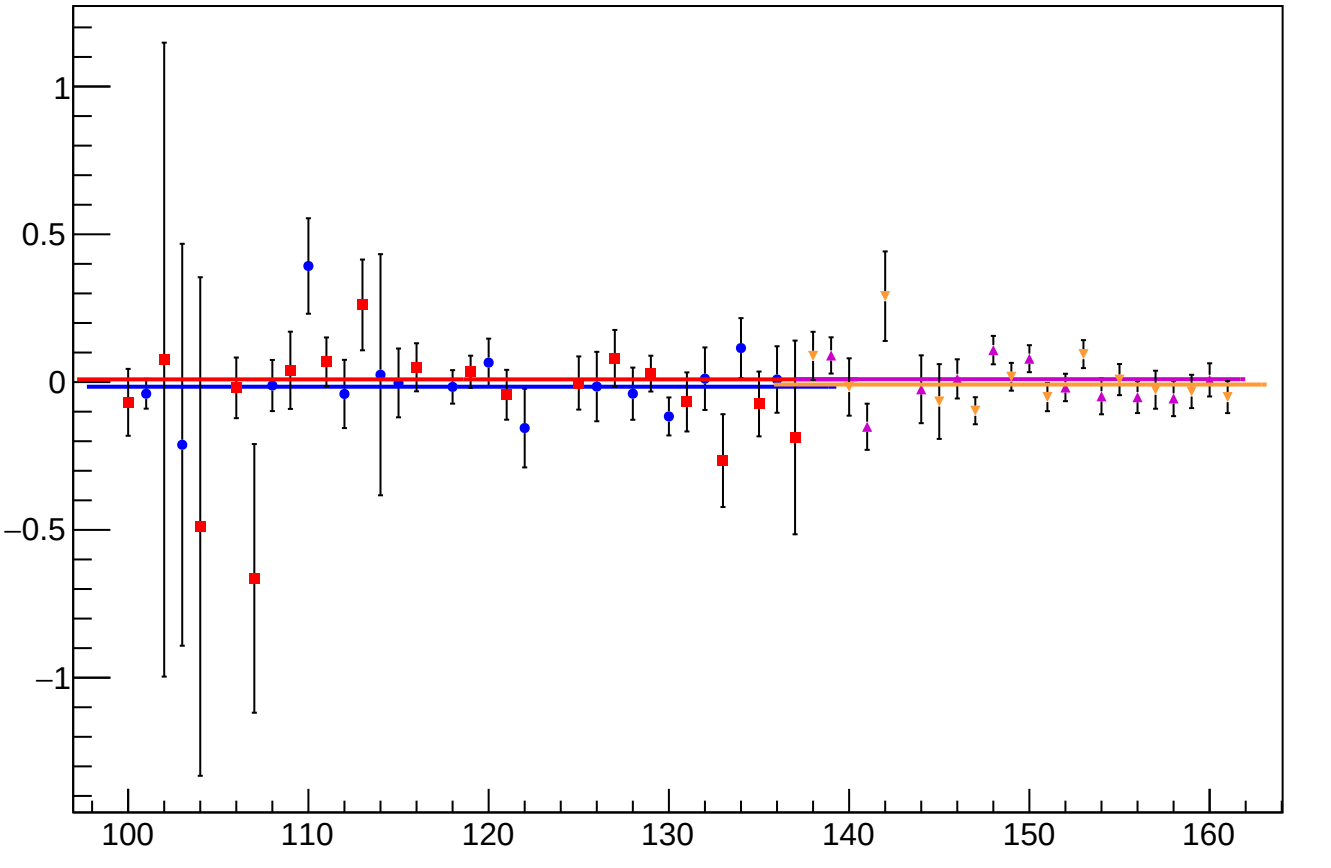
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.270+/-0.012 χ^2/NDF:869943.0/10

\+ sign 49.165+/-0.010 χ^2/NDF: 3650995.6/27

All: 49.440+/-0.007 χ^2/NDF: 7578011.1/56

\- sign 49.731+/-0.010 χ^2/NDF: 3925334.1/28



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.008+/-0.017 χ^2/NDF:16.1/11

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

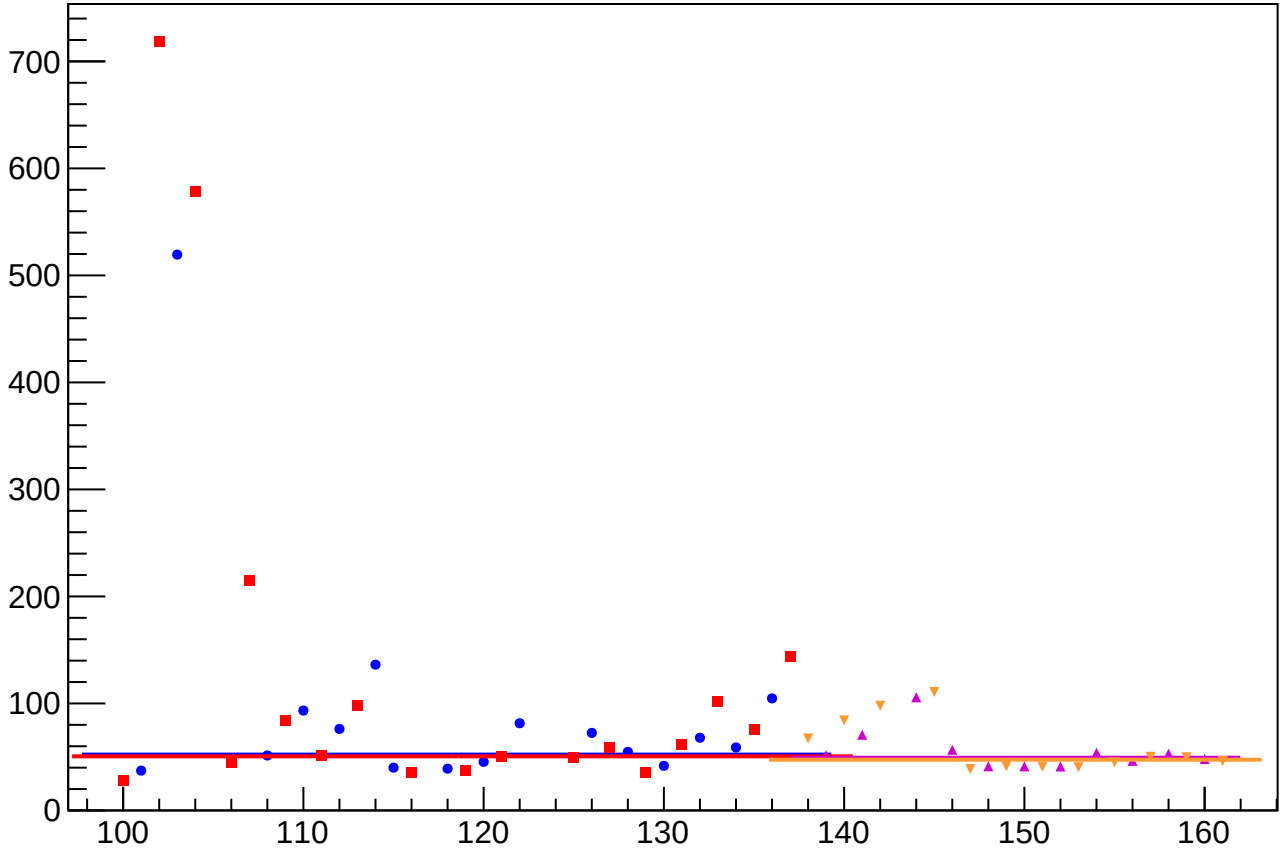
Left In: 0.010+/-0.017 χ^2/NDF:16.3/10

+ sign -0.011+/-0.014 χ^2/NDF: 29.3/27

All: -0.001+/-0.010 χ^2/NDF: 59.2/56

- sign 0.010+/-0.014 χ^2/NDF: 28.8/28

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.446+/-0.012 χ^2/NDF:1328064.9/11

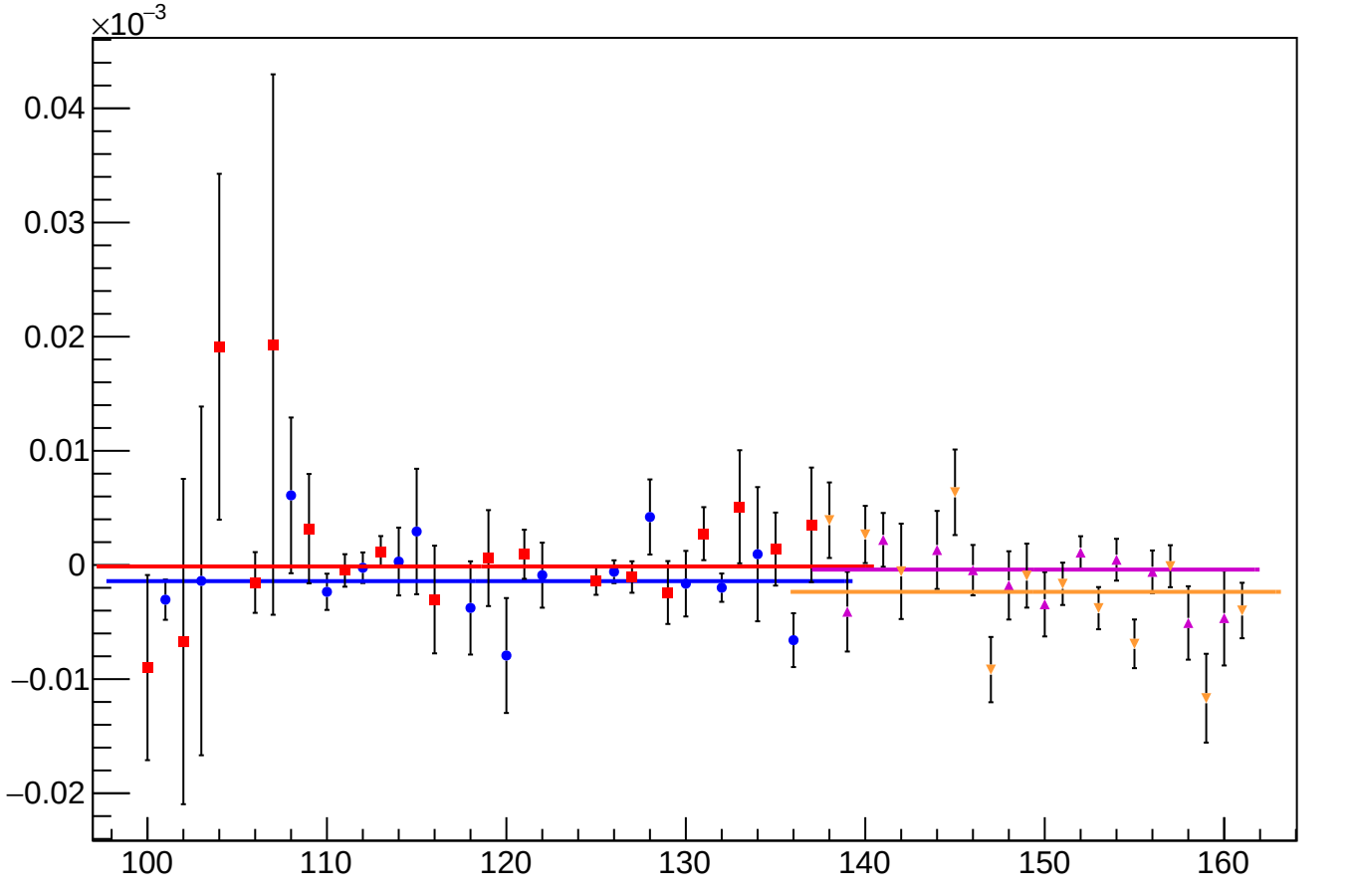
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.270+/-0.012 χ^2/NDF:869943.0/10

\+ sign 49.165+/-0.010 χ^2/NDF: 3650995.6/27

All: 49.440+/-0.007 χ^2/NDF: 7578011.1/56

\- sign 49.731+/-0.010 χ^2/NDF: 3925334.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.1/11

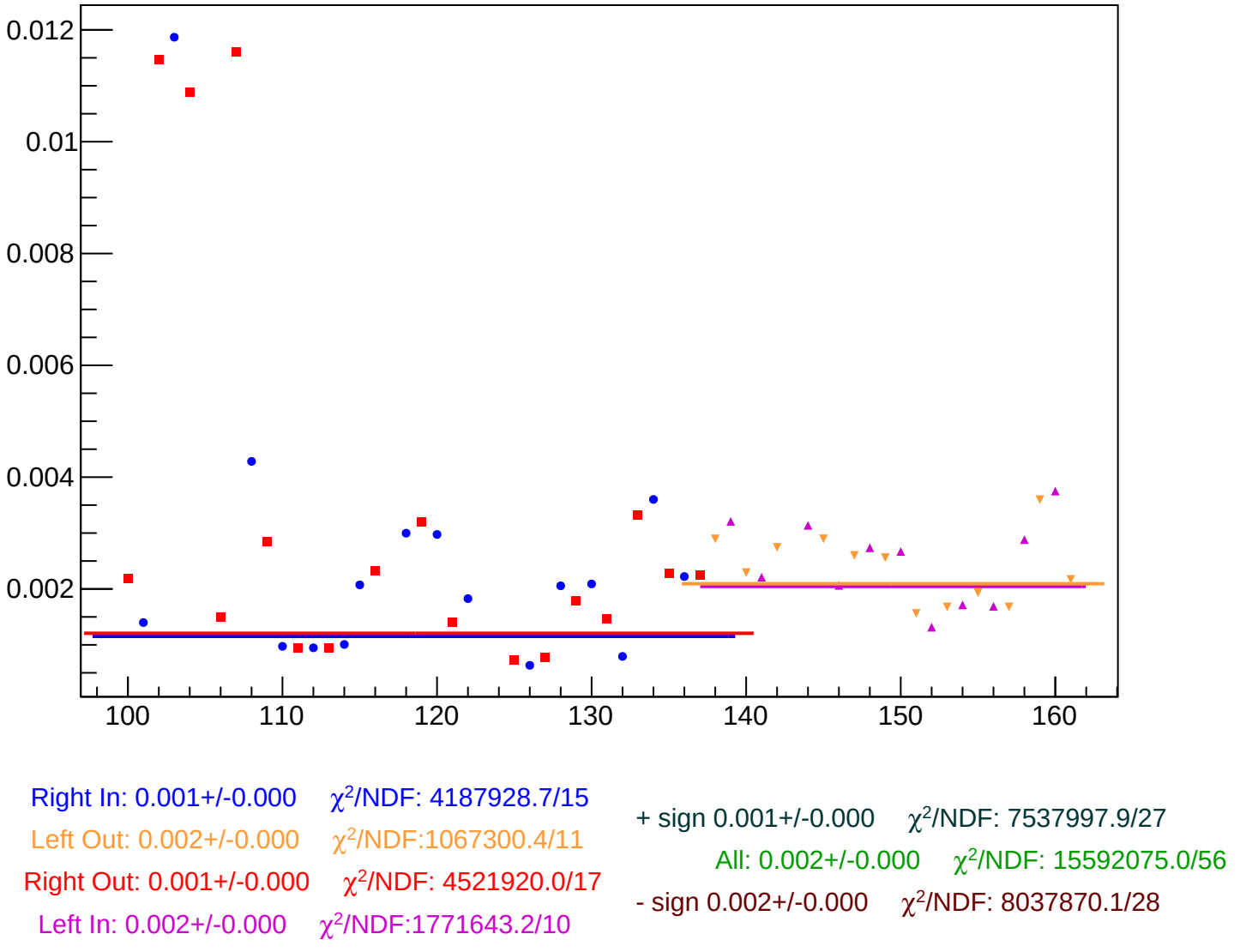
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

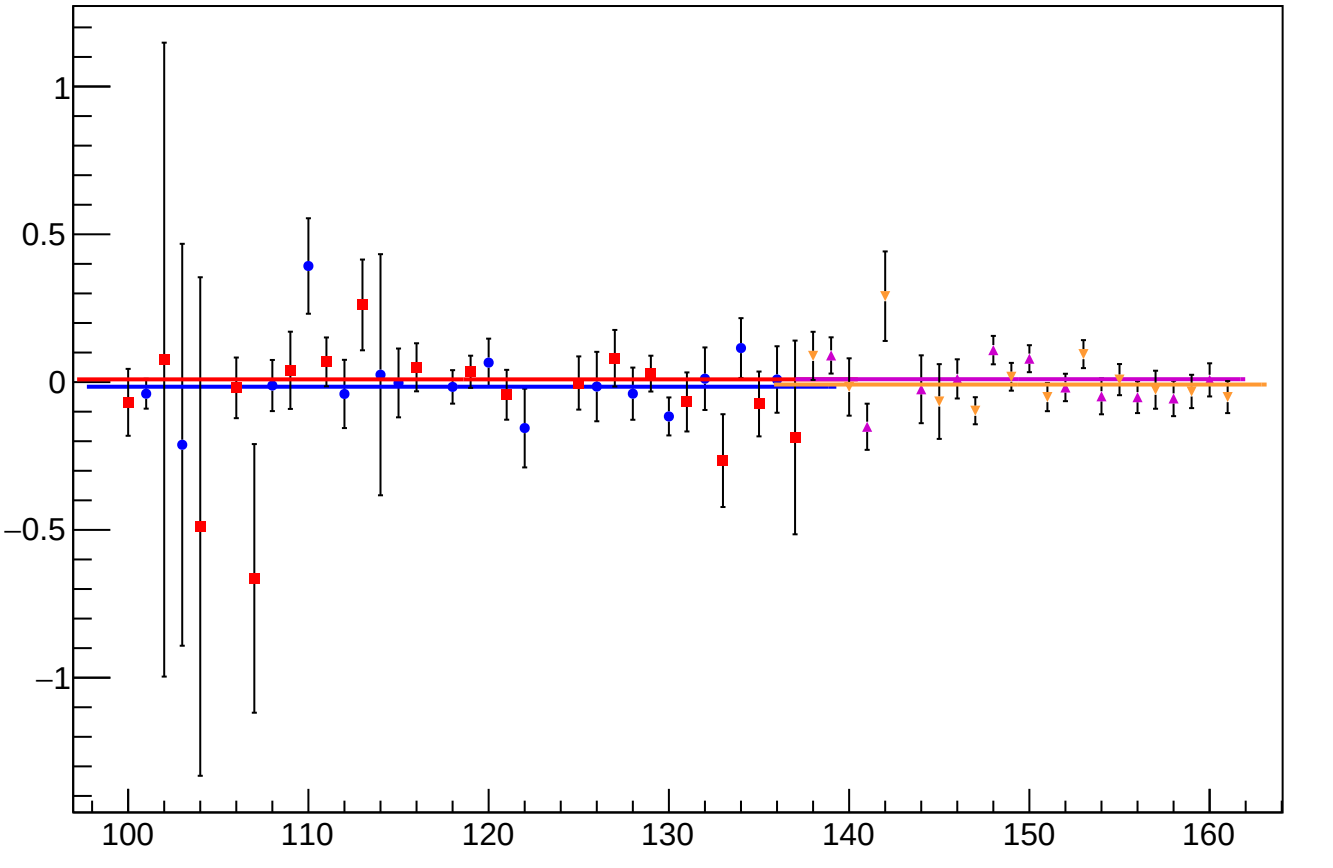
Left In: -0.000+/-0.000 χ^2/NDF:8.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 48.2/27

All: -0.000+/-0.000 χ^2/NDF: 74.5/56

- sign -0.000+/-0.000 χ^2/NDF: 20.1/28


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 4187928.7/15
Left Out: 0.002+/-0.000 χ²/NDF:1067300.4/11
Right Out: 0.001+/-0.000 χ²/NDF: 4521920.0/17
Left In: 0.002+/-0.000 χ²/NDF:1771643.2/10
+ sign 0.001+/-0.000 χ²/NDF: 7537997.9/27
All: 0.002+/-0.000 χ²/NDF: 15592075.0/56
- sign 0.002+/-0.000 χ²/NDF: 8037870.1/28



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.008+/-0.017 χ^2/NDF:16.1/11

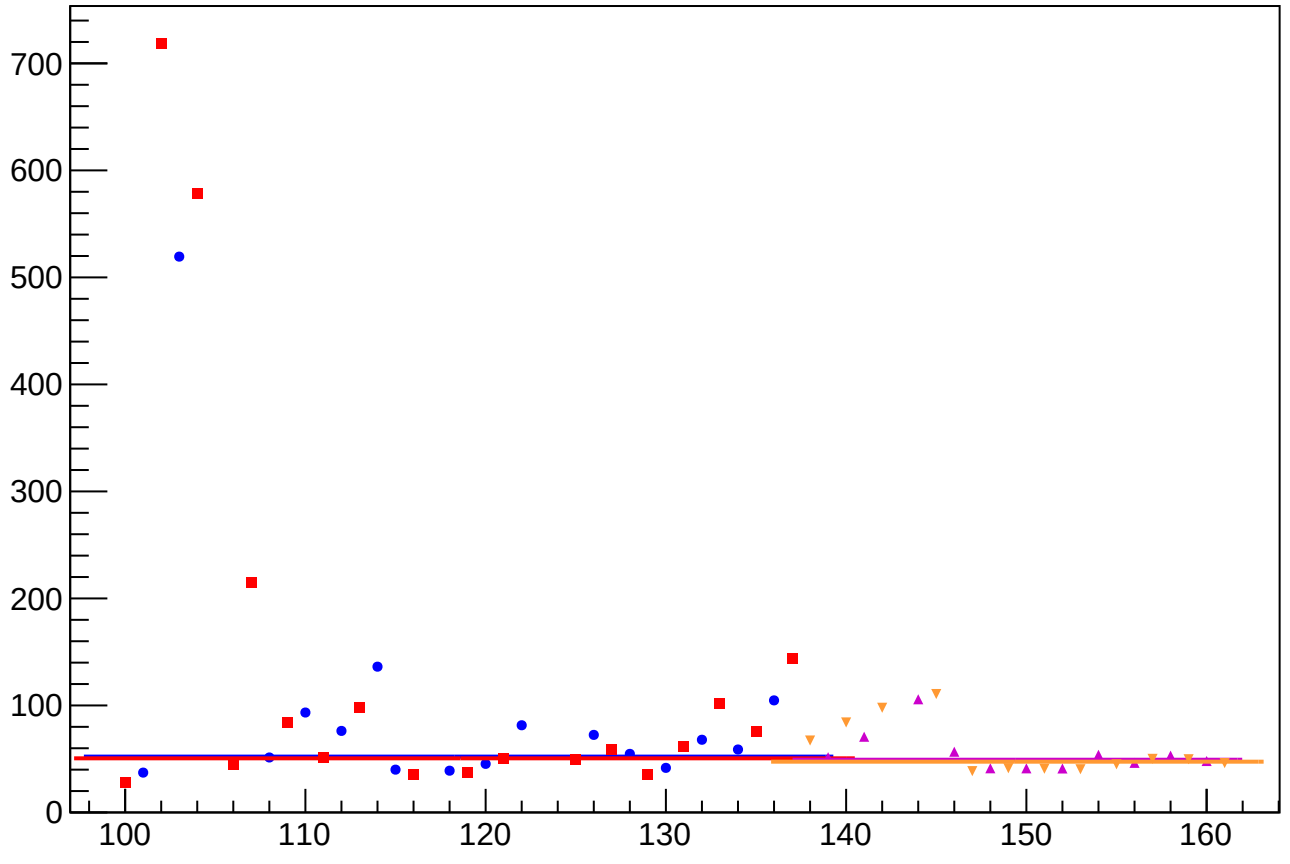
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.010+/-0.017 χ^2/NDF:16.3/10

+ sign -0.011+/-0.014 χ^2/NDF: 29.3/27

All: -0.001+/-0.010 χ^2/NDF: 59.2/56

- sign 0.010+/-0.014 χ^2/NDF: 28.8/28



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.447+/-0.012 χ^2/NDF:1328043.9/11

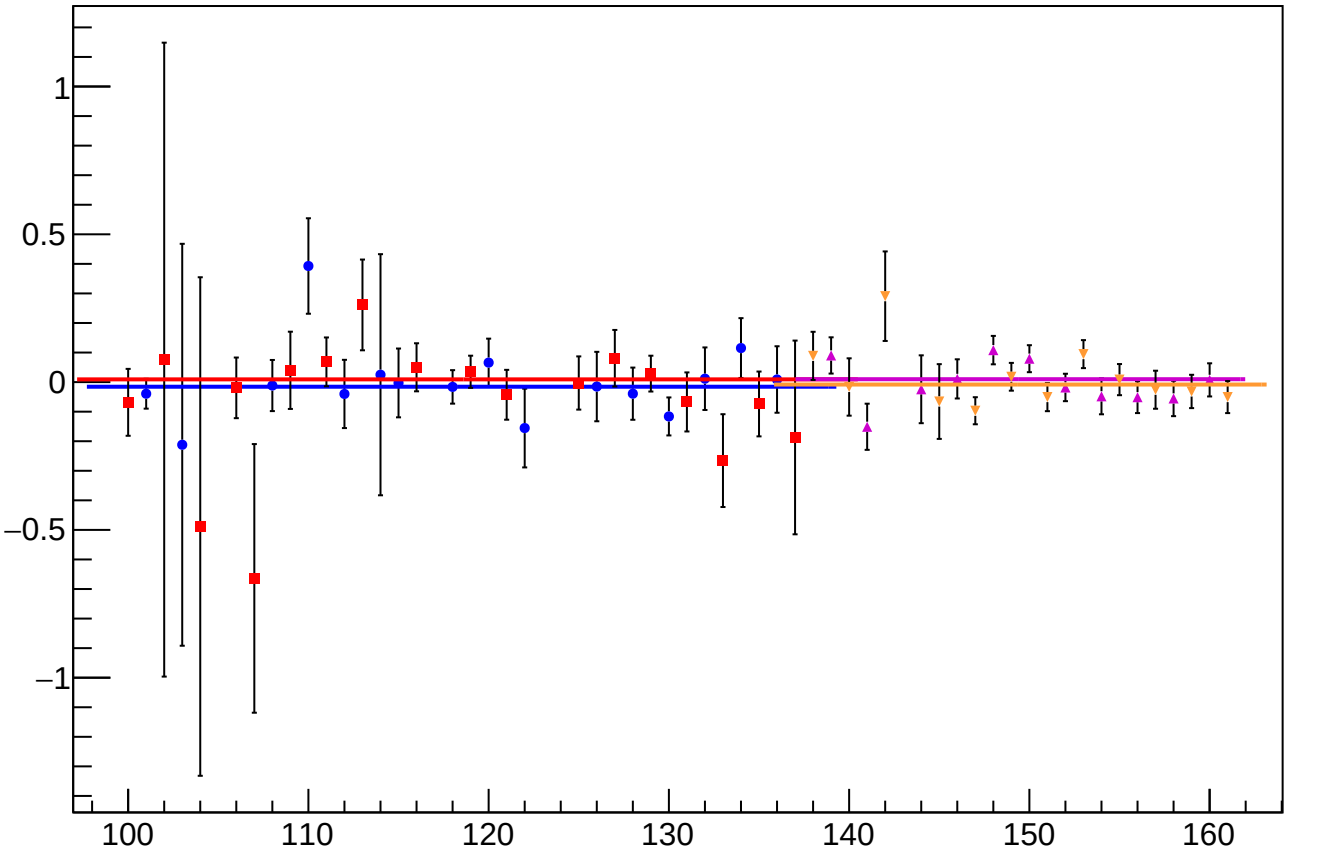
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.271+/-0.012 χ^2/NDF:869934.2/10

+ sign 49.165+/-0.010 χ^2/NDF: 3650961.7/27

All: 49.440+/-0.007 χ^2/NDF: 7577950.1/56

- sign 49.731+/-0.010 χ^2/NDF: 3925306.9/28



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.008+/-0.017 χ^2/NDF:16.1/11

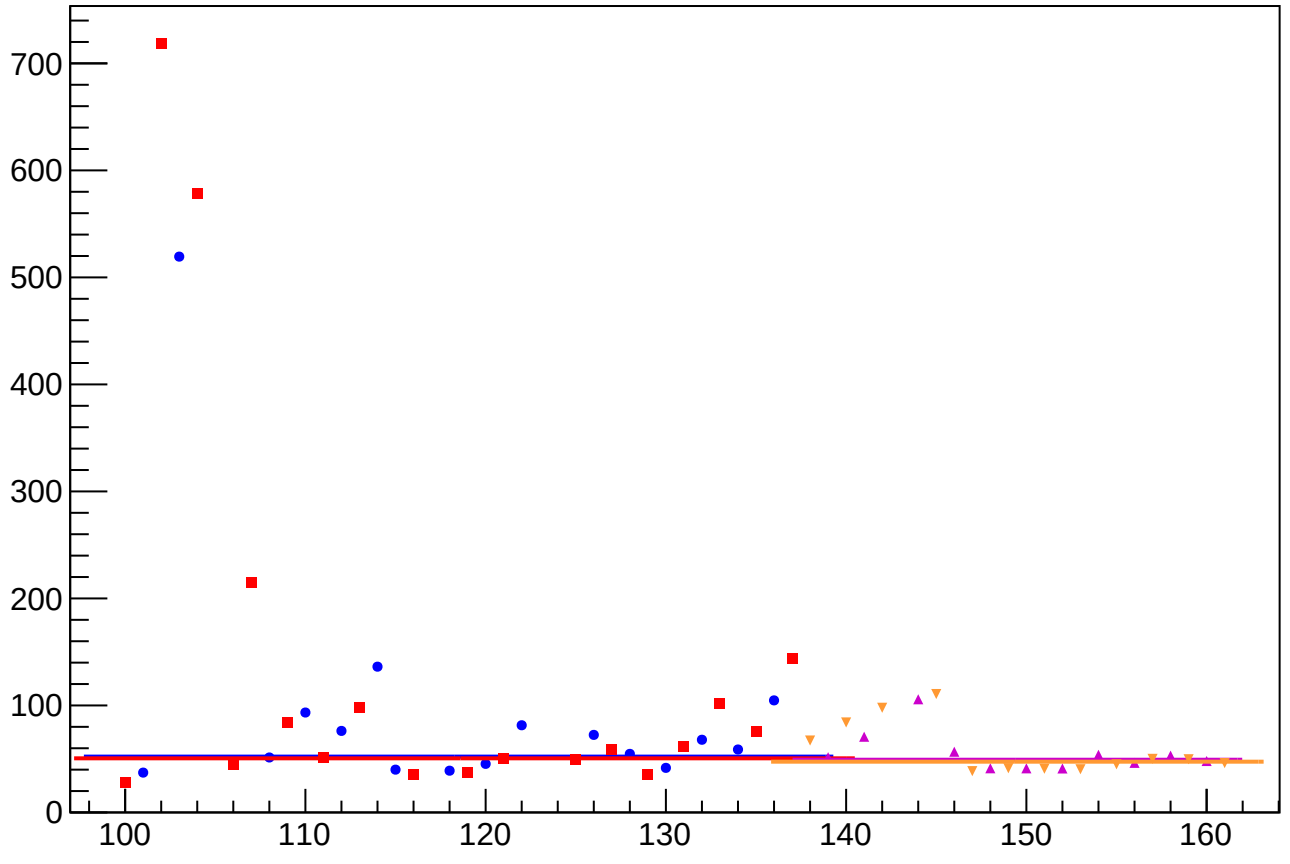
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.010+/-0.017 χ^2/NDF:16.3/10

+ sign -0.011+/-0.014 χ^2/NDF: 29.3/27

All: -0.001+/-0.010 χ^2/NDF: 59.2/56

- sign 0.010+/-0.014 χ^2/NDF: 28.8/28



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.447+/-0.012 χ^2/NDF:1328043.9/11

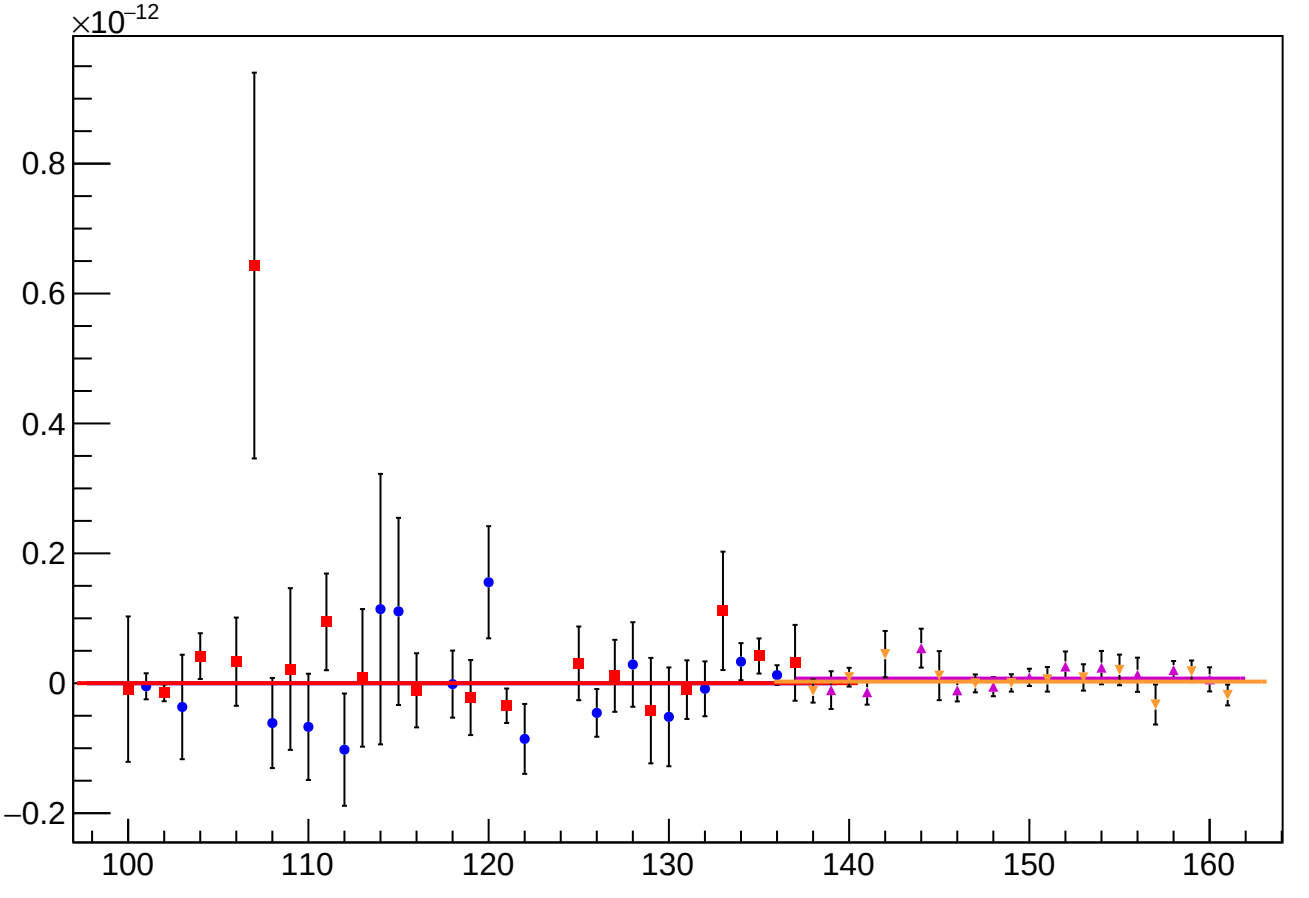
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.271+/-0.012 χ^2/NDF:869934.2/10

+ sign 49.165+/-0.010 χ^2/NDF: 3650961.7/27

All: 49.440+/-0.007 χ^2/NDF: 7577950.1/56

- sign 49.731+/-0.010 χ^2/NDF: 3925306.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/11

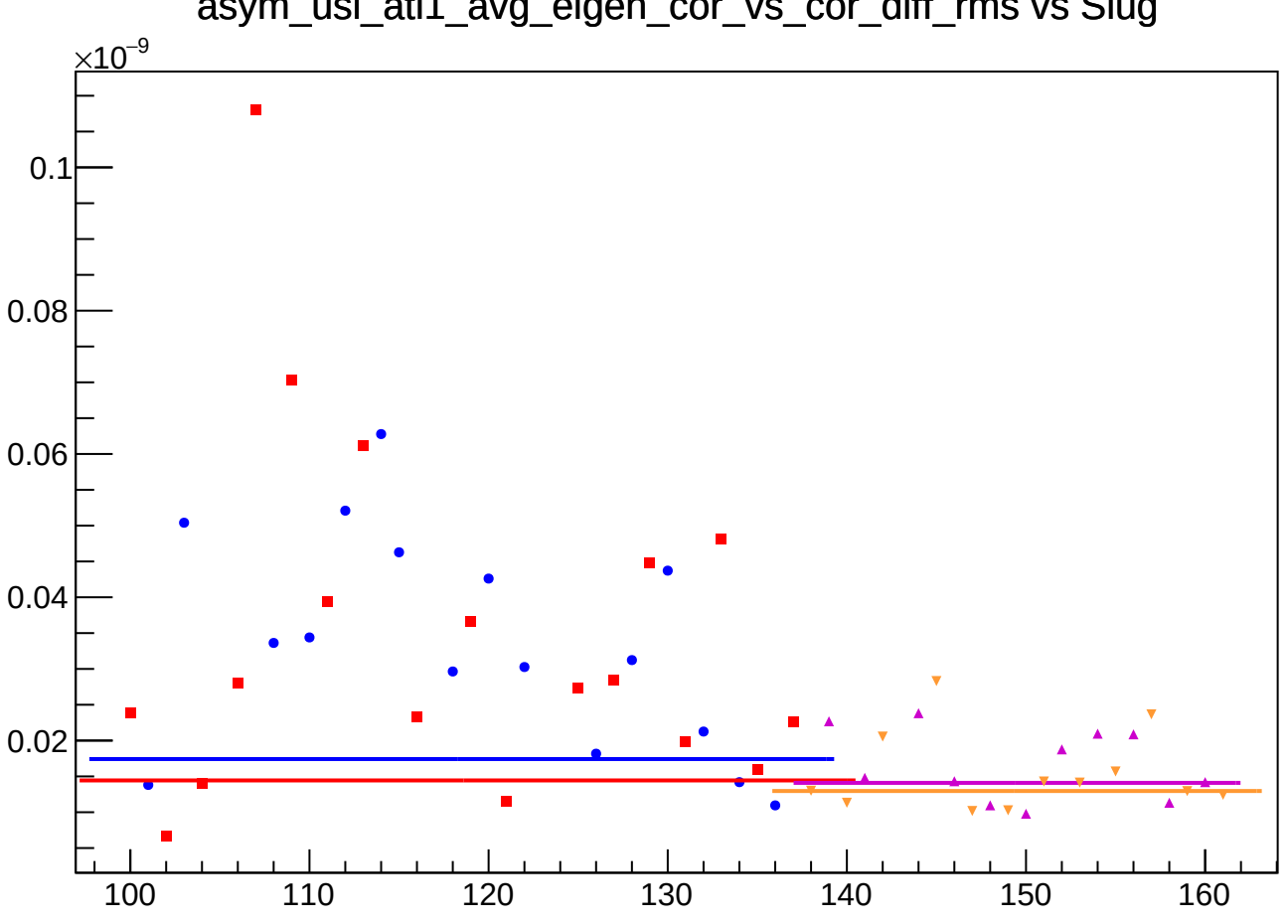
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:7.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 21.1/27

All: 0.000+/-0.000 χ^2/NDF: 45.6/56

- sign 0.000+/-0.000 χ^2/NDF: 24.3/28



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:895480.5/11

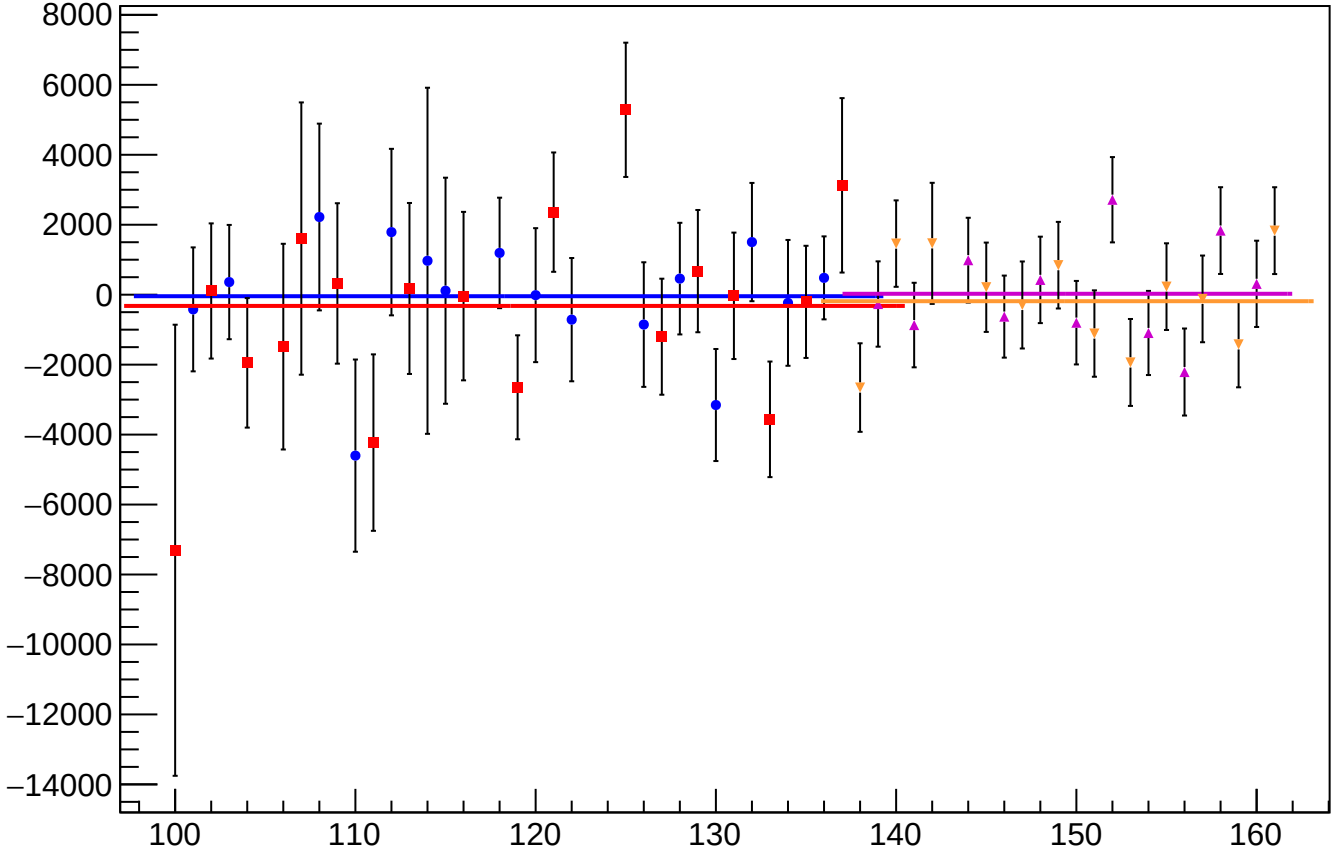
Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1125118.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 3462863.6/27

All: 0.000+/-0.000 χ^2/NDF: 7852312.3/56

- sign 0.000+/-0.000 χ^2/NDF: 4388295.0/28



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -186.106+/-366.546 χ^2/NDF:13.6/11

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

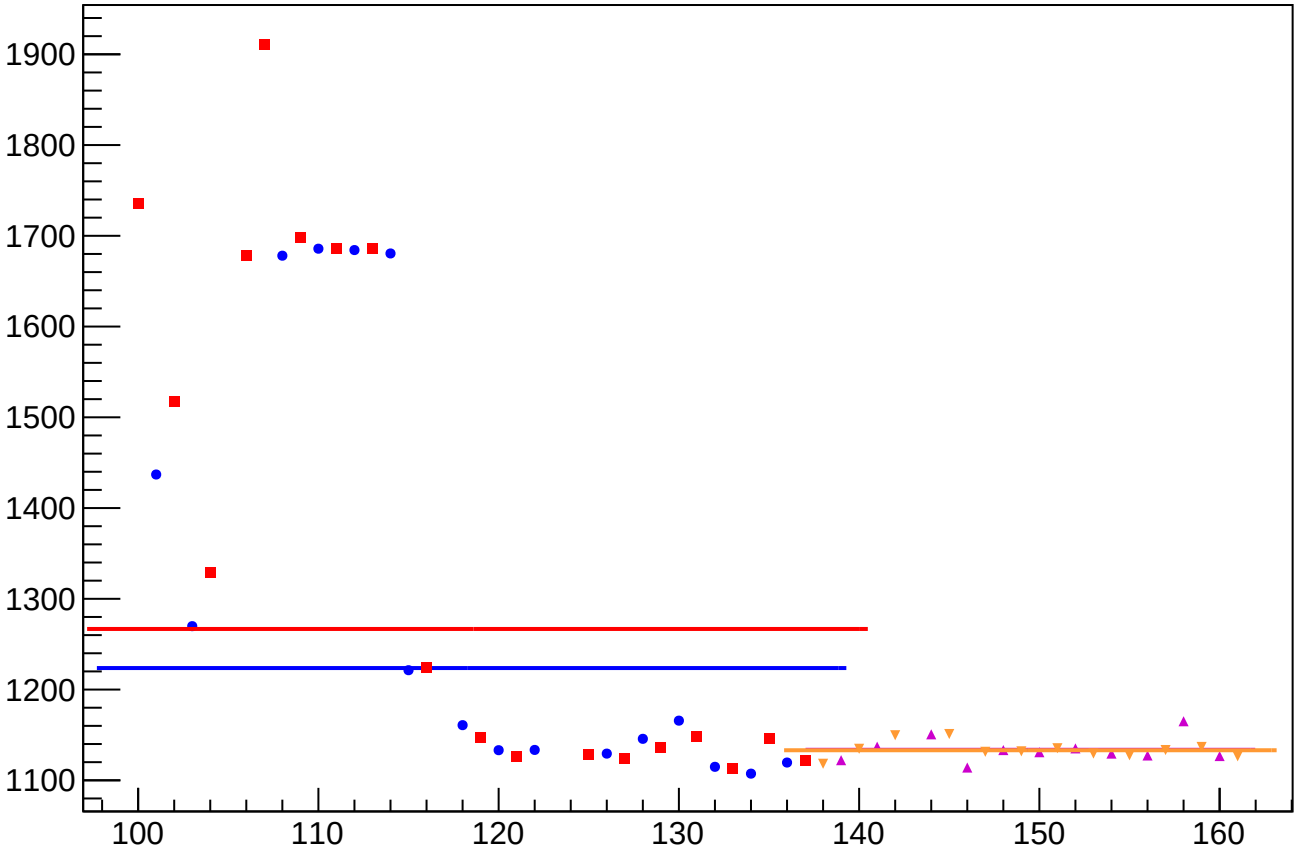
Left In: 26.005+/-366.675 χ^2/NDF:13.3/10

+ sign -130.679+/-286.477 χ^2/NDF: 23.8/27

All: -117.358+/-203.887 χ^2/NDF: 62.1/56

- sign -103.685+/-290.240 χ^2/NDF: 38.4/28

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.131+/-0.259 χ^2/NDF:1000.6/11

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

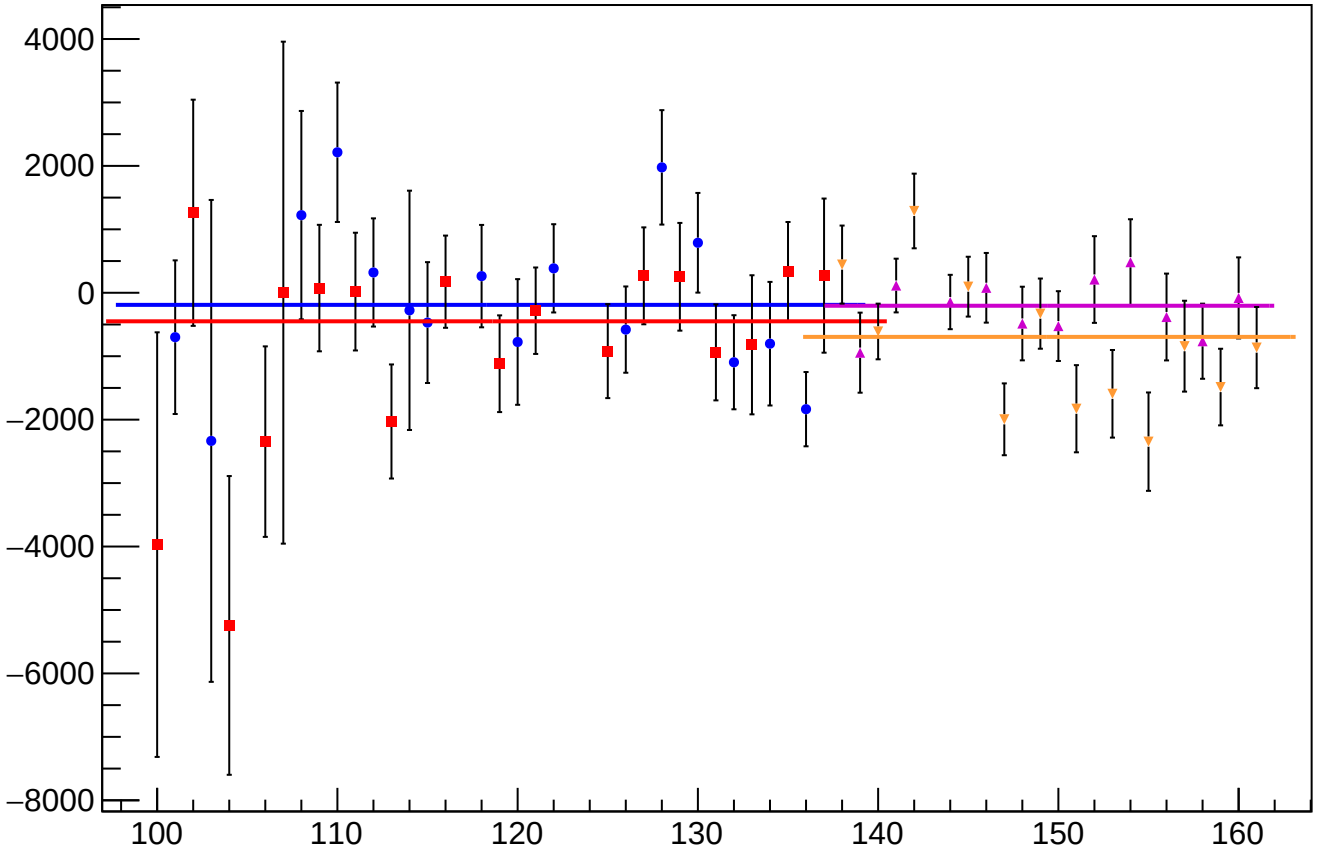
Left In: 1133.640+/-0.259 χ^2/NDF:2580.6/10

+ sign 1168.380+/-0.203 χ^2/NDF: 343490.7/27

All: 1175.773+/-0.144 χ^2/NDF: 880090.4/56

- sign 1183.361+/-0.205 χ^2/NDF: 533900.5/28

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -695.467+/-169.945 χ^2/NDF:34.1/11

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

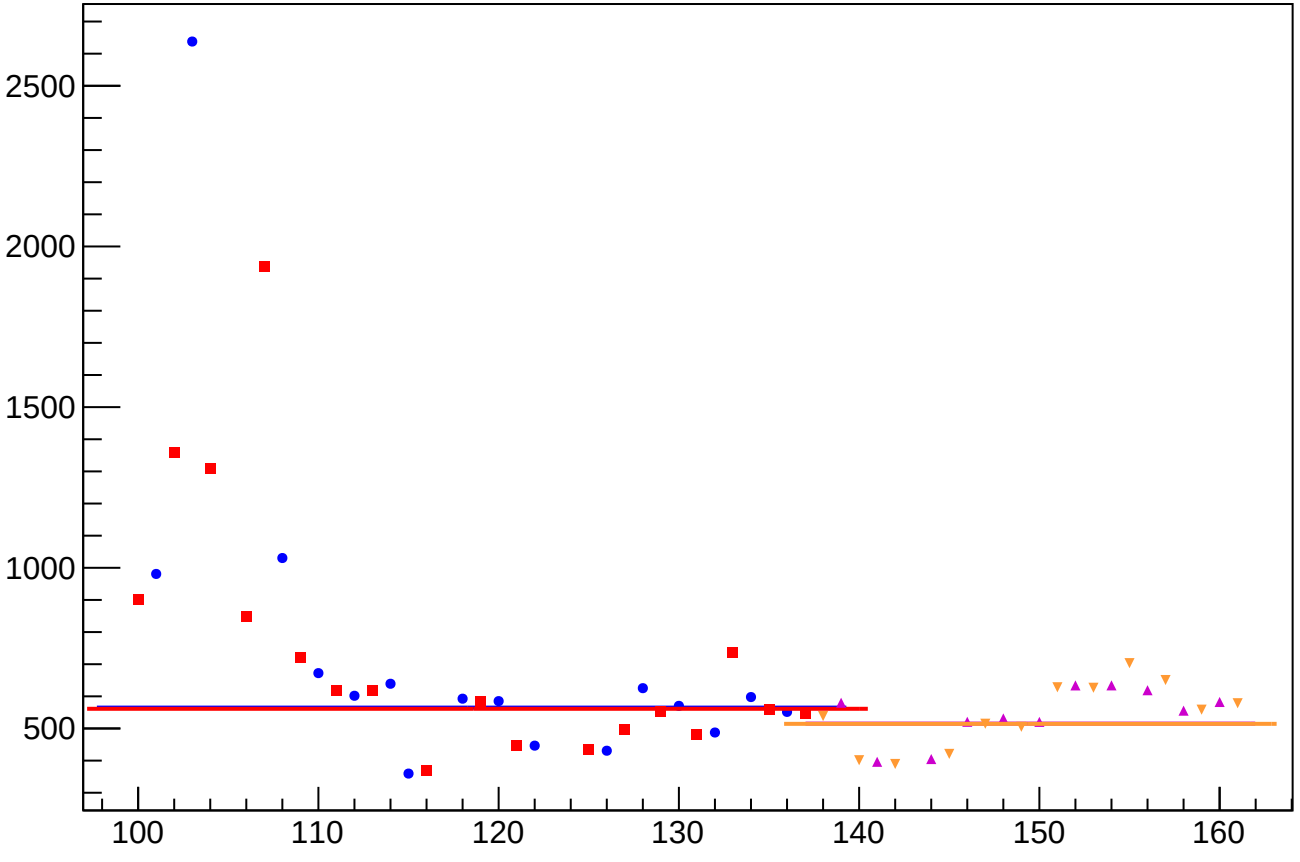
Left In: -204.575+/-169.295 χ^2/NDF:5.2/10

+ sign -509.854+/-135.139 χ^2/NDF: 62.6/27

All: -401.799+/-95.468 χ^2/NDF: 86.7/56

- sign -294.148+/-134.885 χ^2/NDF: 22.8/28

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 514.396+/-0.120 χ^2/NDF:635074.7/11

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

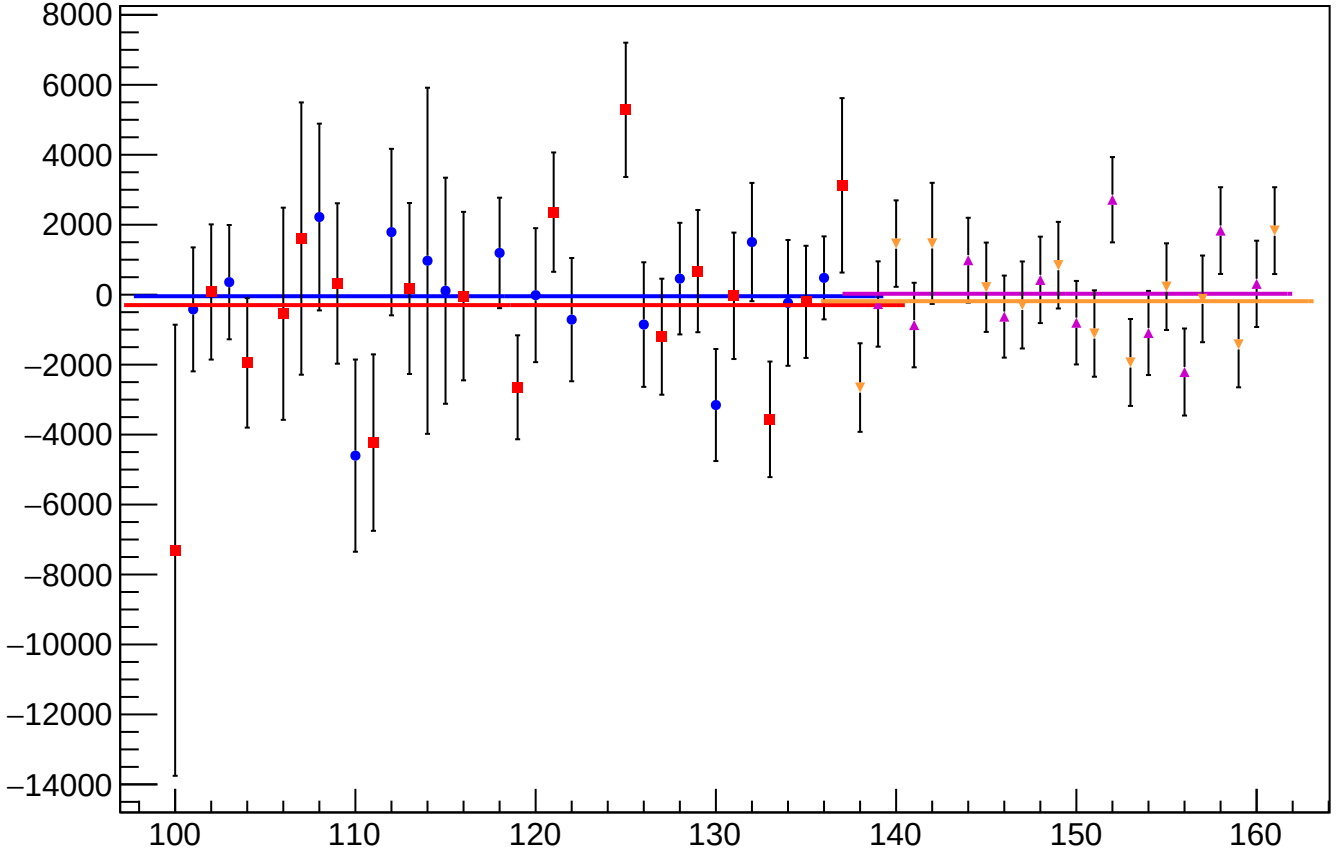
Left In: 515.149+/-0.120 χ^2/NDF:513056.9/10

+ sign 532.986+/-0.096 χ^2/NDF: 1984647.0/27

All: 532.484+/-0.068 χ^2/NDF: 3904143.4/56

- sign 531.983+/-0.095 χ^2/NDF: 1919441.2/28

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -186.045+/-366.546 χ^2/NDF:13.6/11

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

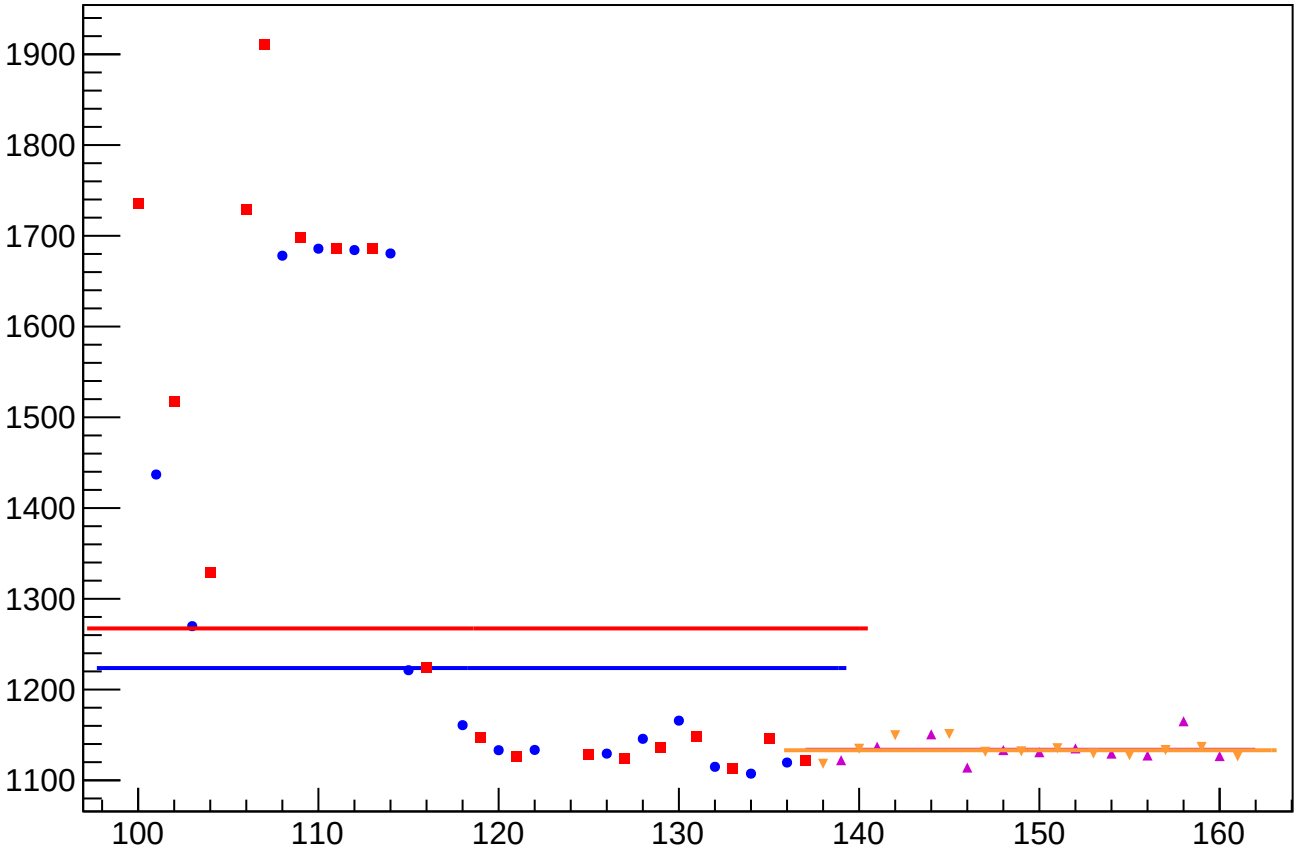
Left In: 26.040+/-366.675 χ^2/NDF:13.3/10

+ sign -130.736+/-286.477 χ^2/NDF: 23.8/27

All: -113.073+/-203.917 χ^2/NDF: 61.9/56

- sign -94.932+/-290.326 χ^2/NDF: 38.2/28

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.131+/-0.259 χ^2/NDF:1000.6/11

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

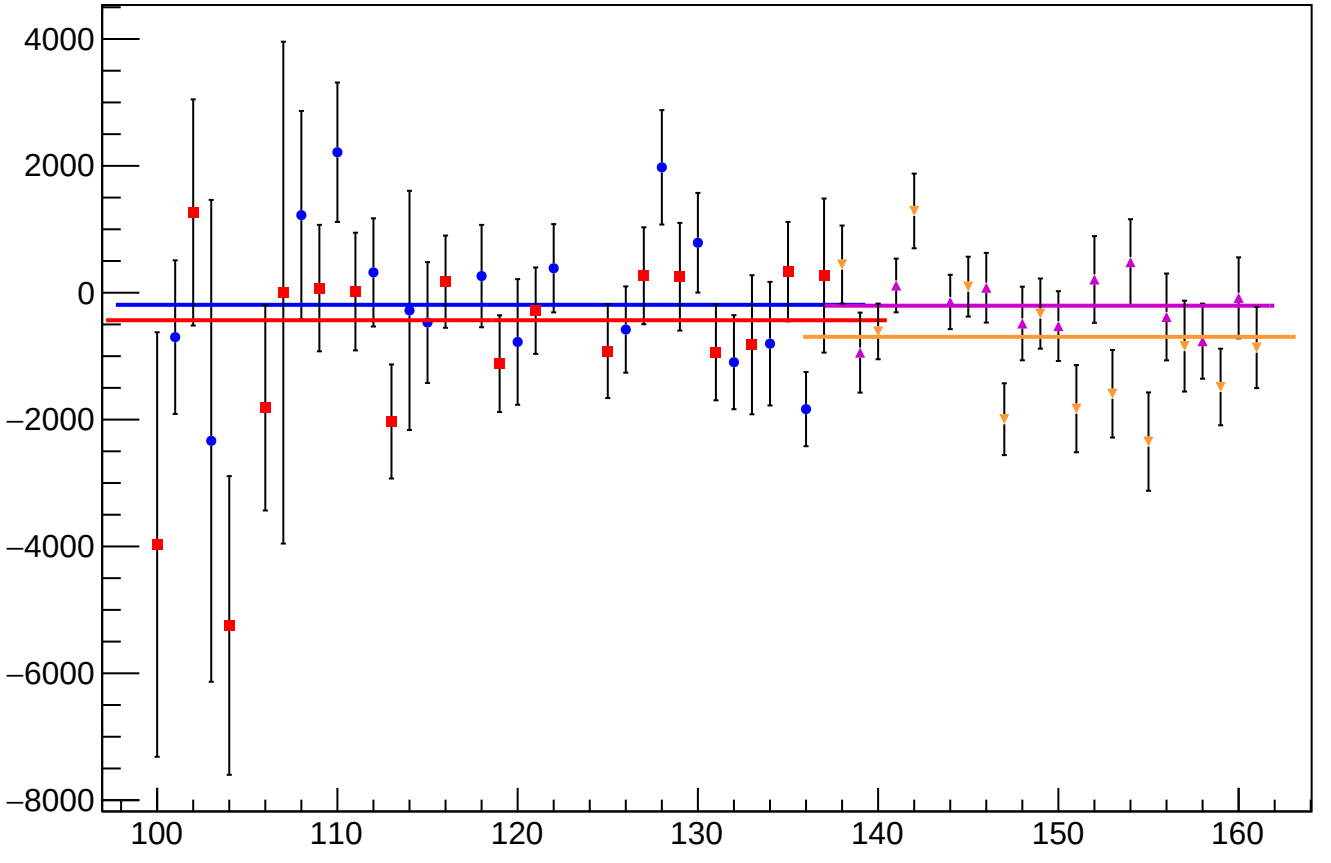
Left In: 1133.640+/-0.259 χ^2/NDF:2580.6/10

+ sign 1168.380+/-0.203 χ^2/NDF: 343490.8/27

All: 1175.854+/-0.144 χ^2/NDF: 888054.3/56

- sign 1183.530+/-0.205 χ^2/NDF: 541804.0/28

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -695.467+/-169.944 χ^2/NDF:34.1/11

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

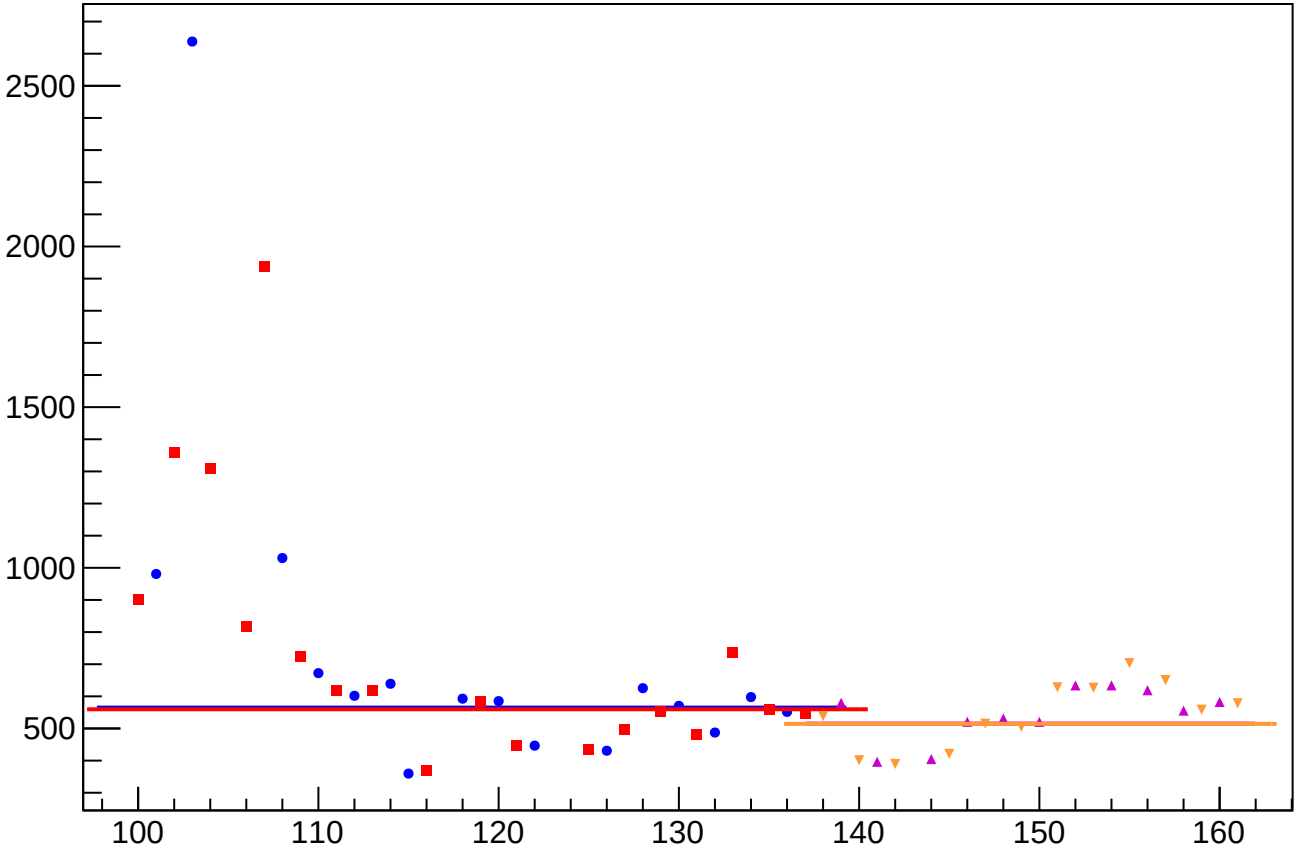
Left In: -204.567+/-169.296 χ^2/NDF:5.2/10

+ sign -509.857+/-135.138 χ^2/NDF: 62.6/27

All: -398.857+/-95.494 χ^2/NDF: 85.8/56

- sign -288.147+/-134.961 χ^2/NDF: 21.8/28

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 514.394+/-0.120 χ^2/NDF:635052.2/11

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

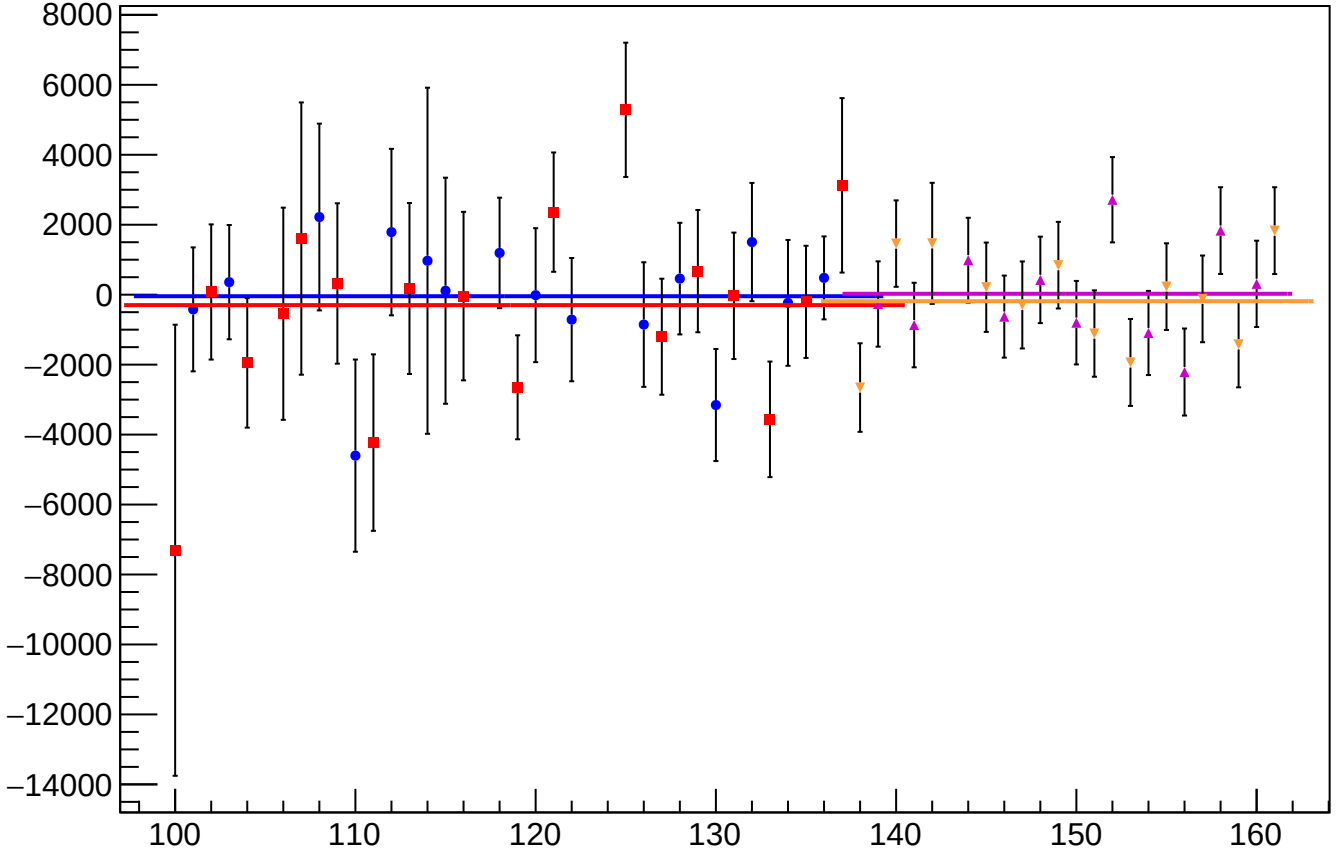
Left In: 515.151+/-0.120 χ^2/NDF:513025.6/10

+ sign 532.984+/-0.096 χ^2/NDF: 1984595.5/27

All: 532.195+/-0.068 χ^2/NDF: 3877722.4/56

- sign 531.409+/-0.095 χ^2/NDF: 1892991.0/28

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -186.045+/-366.546 χ^2/NDF:13.6/11

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

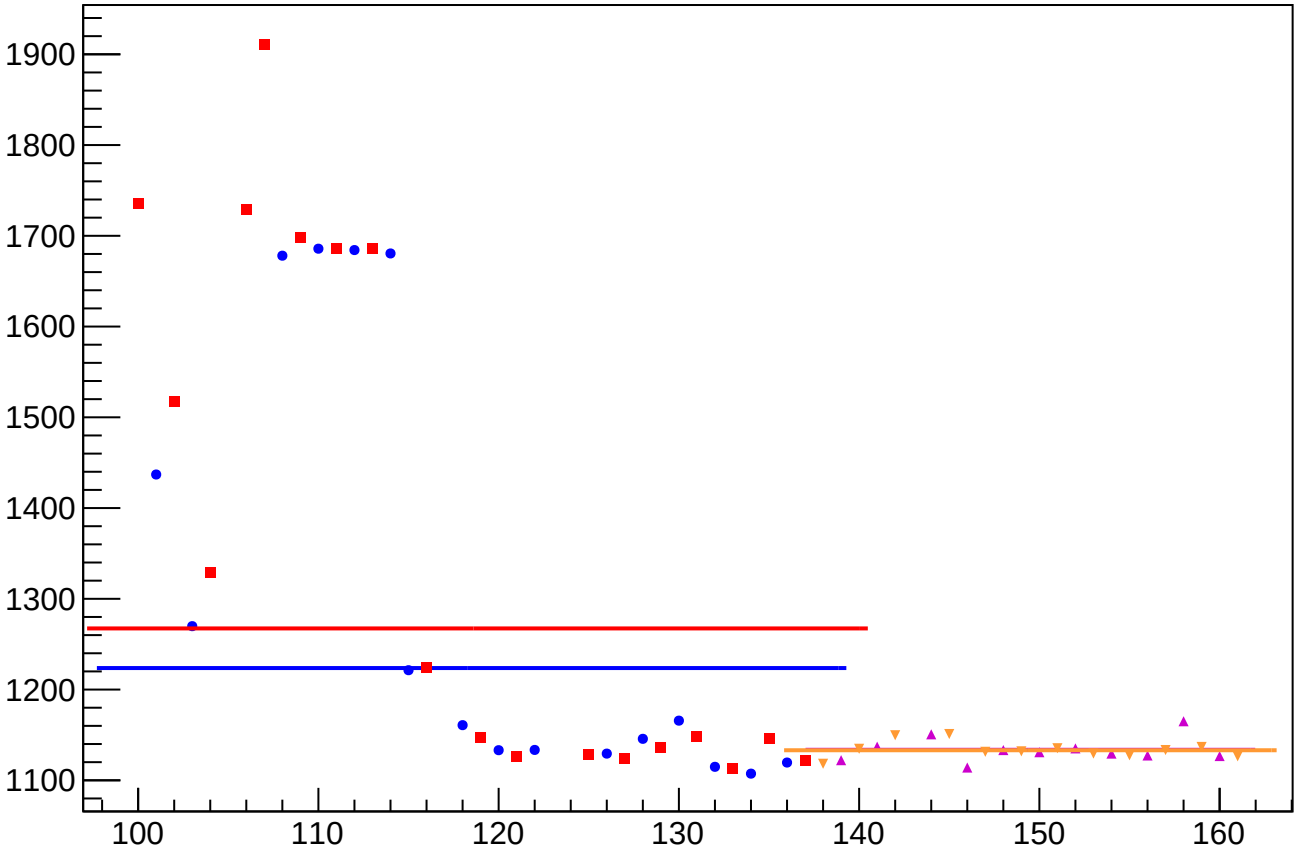
Left In: 26.040+/-366.675 χ^2/NDF:13.3/10

+ sign -130.736+/-286.477 χ^2/NDF: 23.8/27

All: -113.073+/-203.917 χ^2/NDF: 61.9/56

- sign -94.932+/-290.326 χ^2/NDF: 38.2/28

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.131+/-0.259 χ^2/NDF:1000.6/11

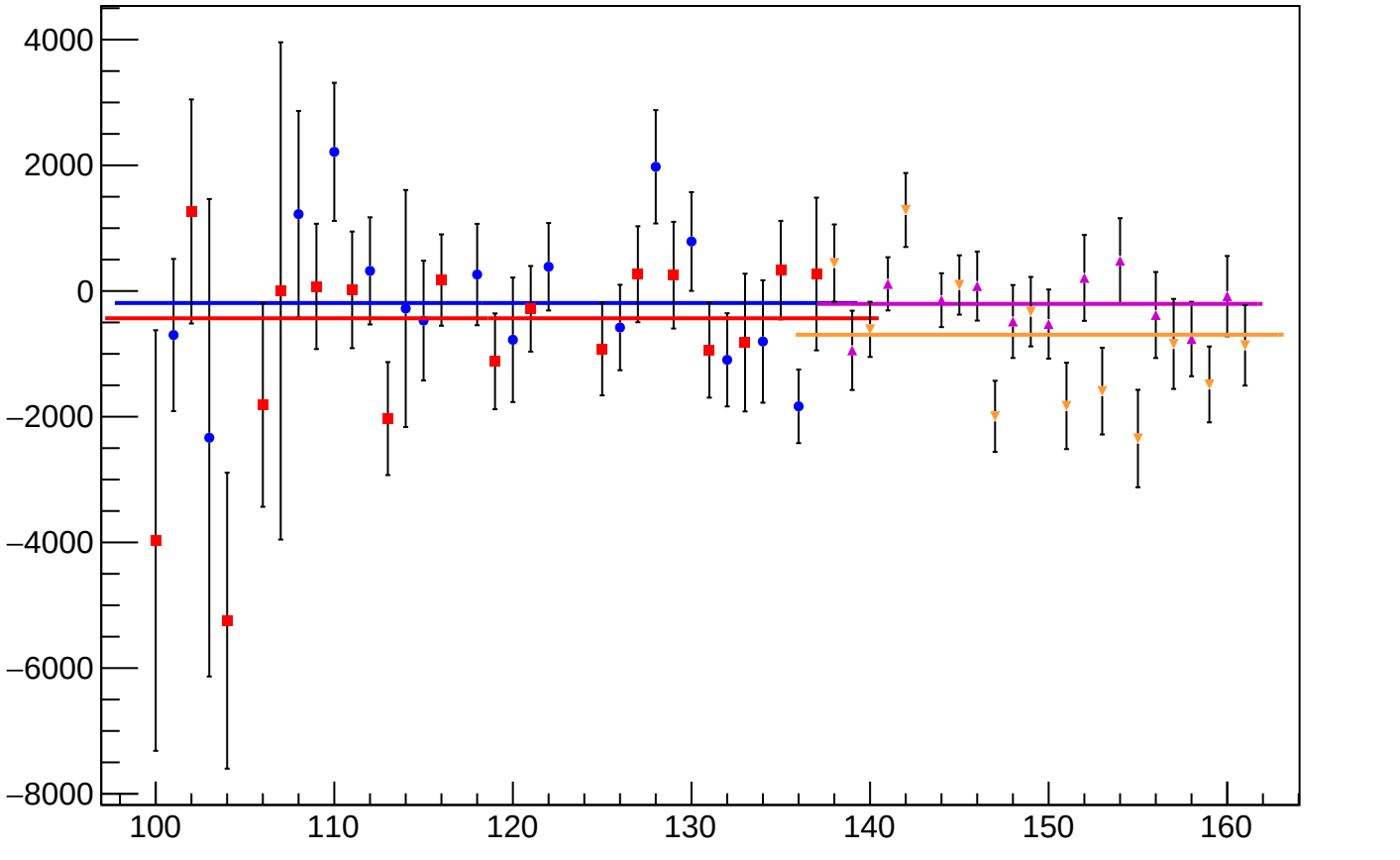
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1133.640+/-0.259 χ^2/NDF:2580.6/10

+ sign 1168.380+/-0.203 χ^2/NDF: 343490.8/27

All: 1175.854+/-0.144 χ^2/NDF: 888054.3/56

- sign 1183.530+/-0.205 χ^2/NDF: 541804.0/28



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -695.467+/-169.944 χ^2/NDF:34.1/11

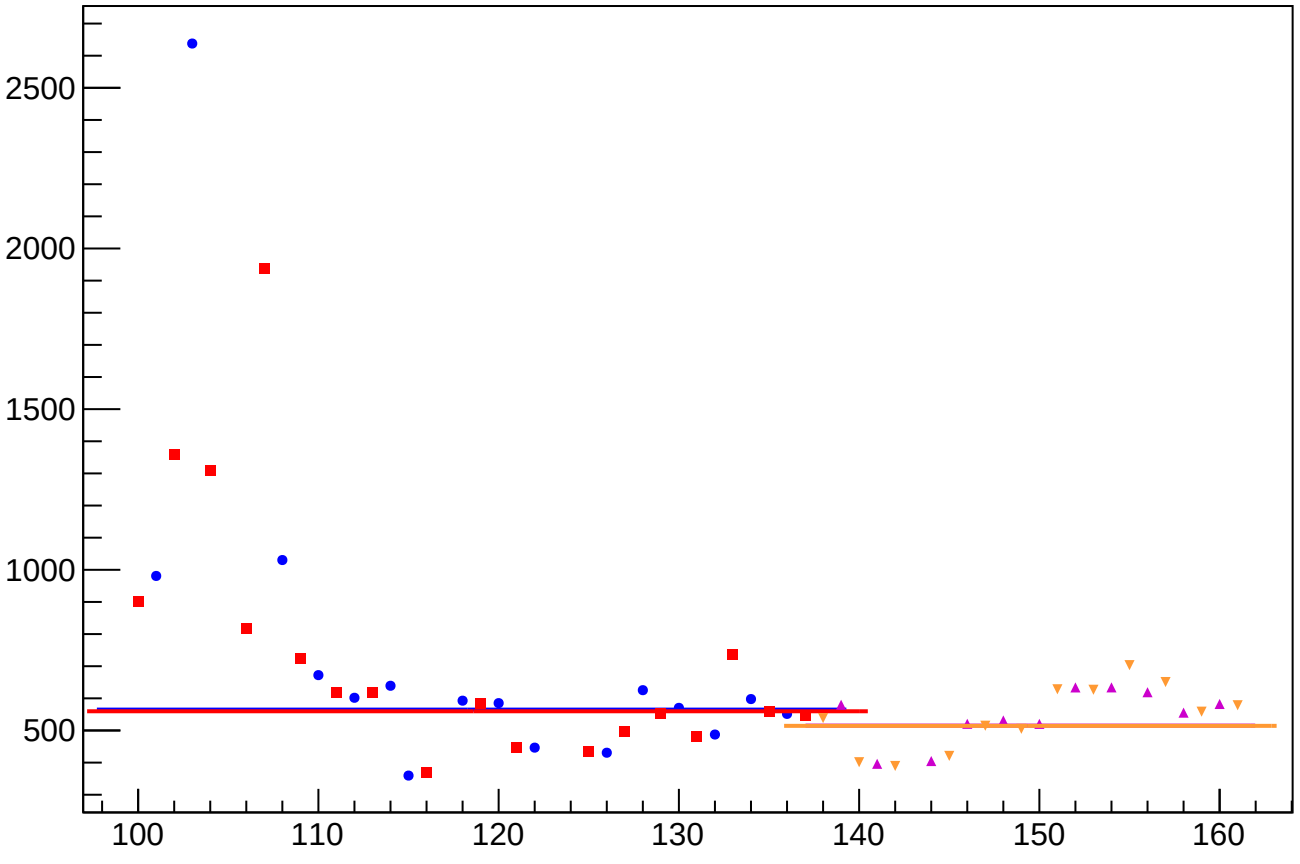
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -204.567+/-169.296 χ^2/NDF:5.2/10

\+ sign -509.857+/-135.138 χ^2/NDF: 62.6/27

All: -398.857+/-95.494 χ^2/NDF: 85.8/56

\- sign -288.147+/-134.961 χ^2/NDF: 21.8/28



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 514.394+/-0.120 χ^2/NDF:635052.2/11

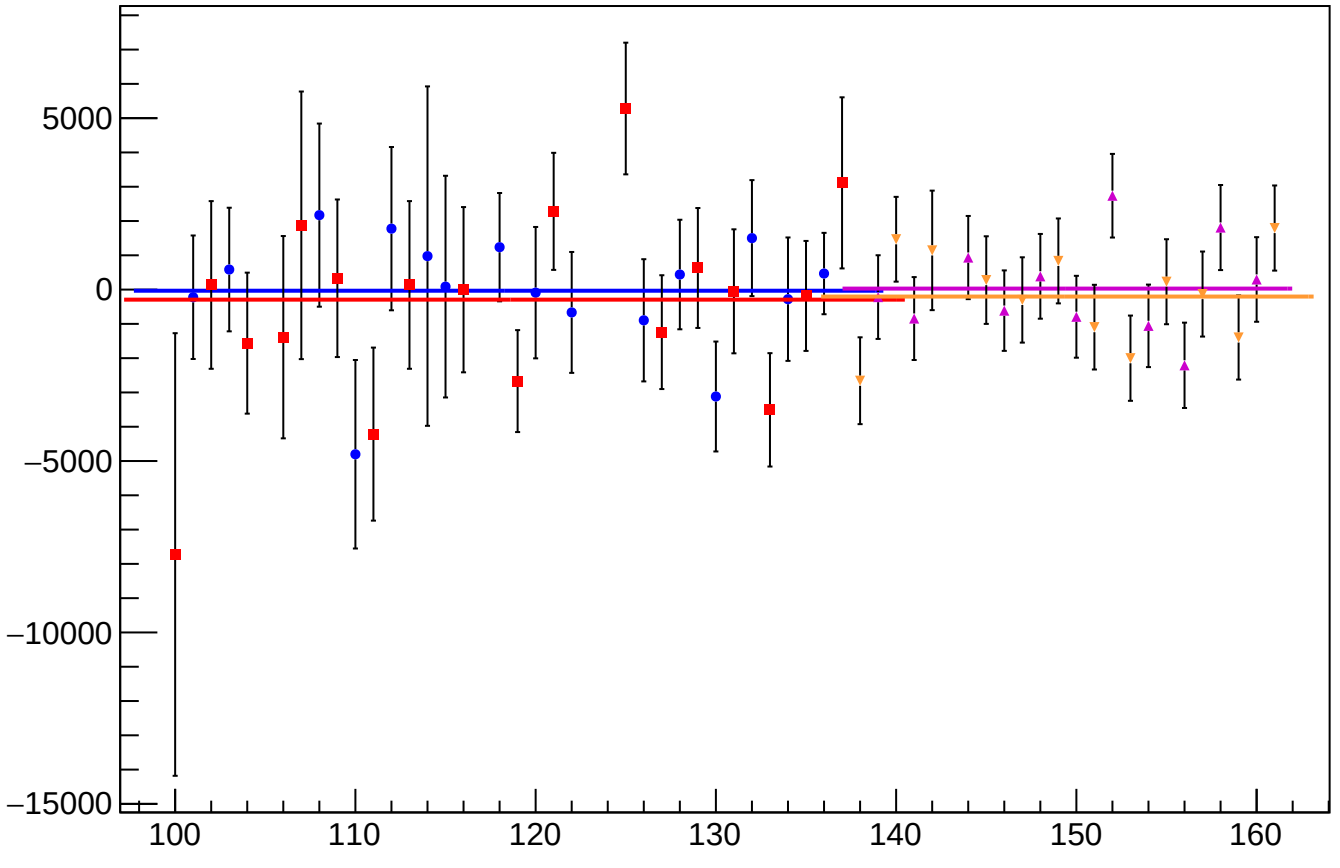
Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 515.151+/-0.120 χ^2/NDF:513025.6/10

+ sign 532.984+/-0.096 χ^2/NDF: 1984595.5/27

All: 532.195+/-0.068 χ^2/NDF: 3877722.4/56

- sign 531.409+/-0.095 χ^2/NDF: 1892991.0/28



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -203.235+/-366.802 χ^2/NDF:13.3/11

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

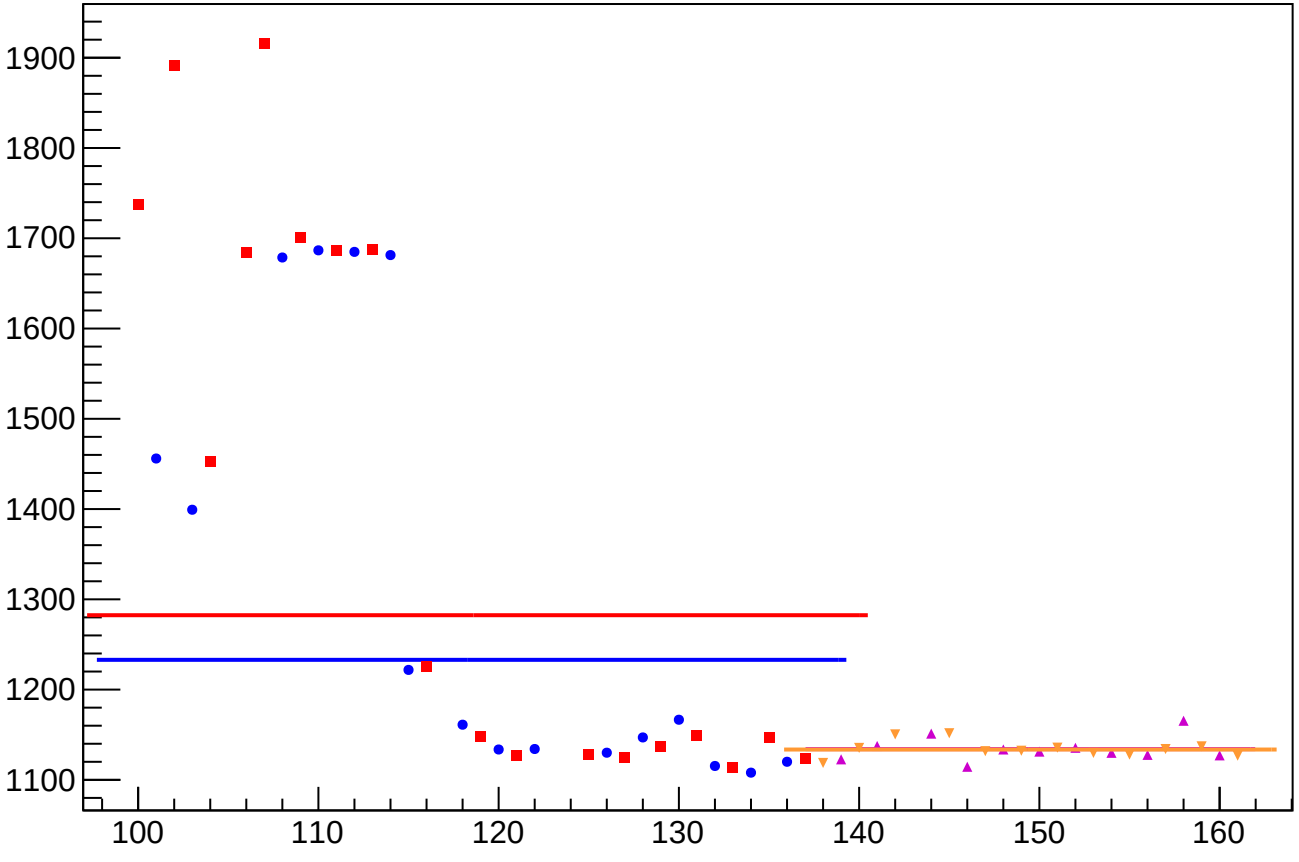
Left In: 28.954+/-366.811 χ^2/NDF:13.1/10

\+ sign -137.652+/-287.563 χ^2/NDF: 23.7/27

All: -113.573+/-204.993 χ^2/NDF: 61.3/56

\- sign -88.694+/-292.305 χ^2/NDF: 37.6/28

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1133.592+/-0.259 χ^2/NDF:1011.6/11

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

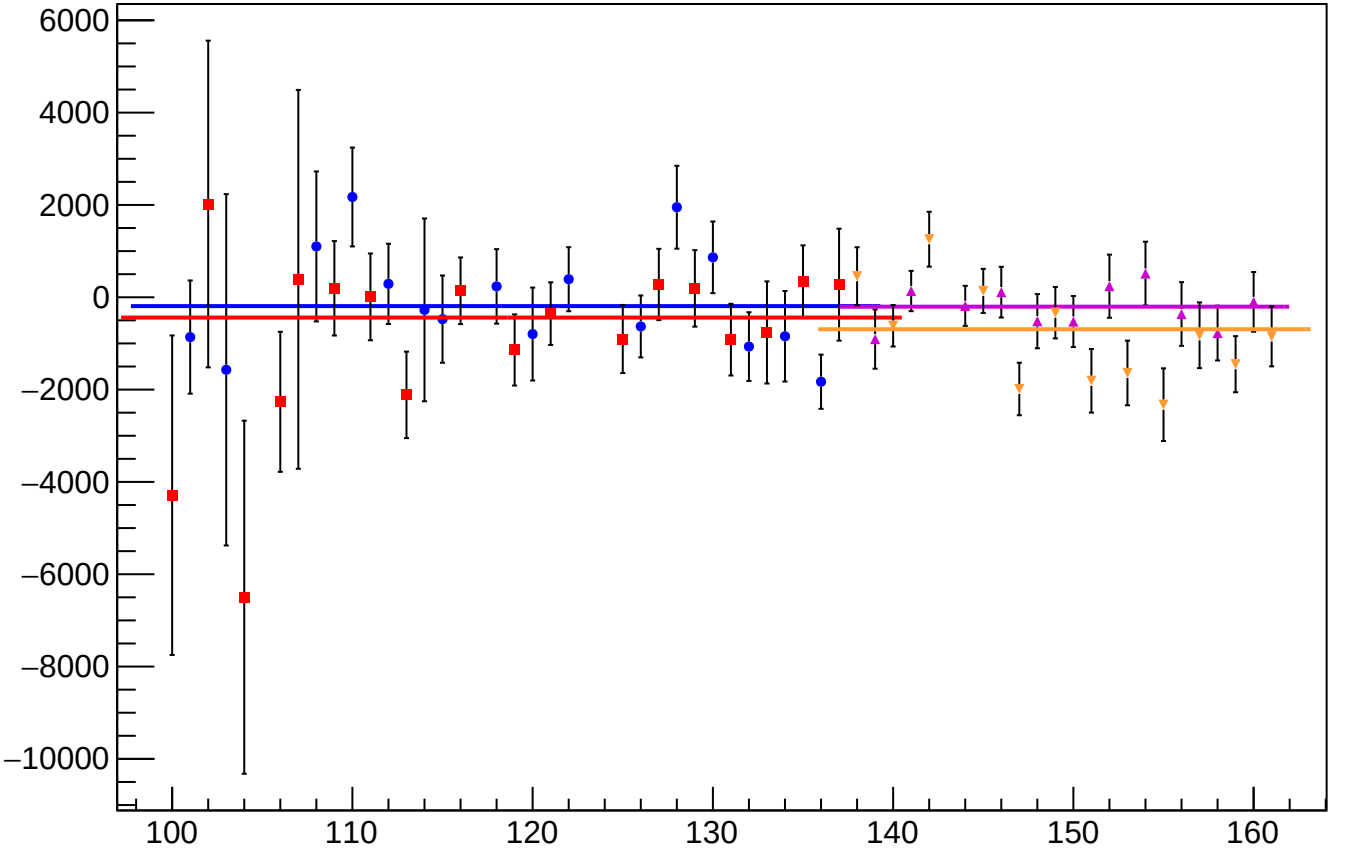
Left In: 1134.062+/-0.259 χ^2/NDF:2579.0/10

+ sign 1171.889+/-0.203 χ^2/NDF: 373053.6/27

All: 1179.914+/-0.145 χ^2/NDF: 1041591.6/56

- sign 1188.205+/-0.207 χ^2/NDF: 665371.4/28

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -692.489+/-171.960 χ^2/NDF:33.2/11

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

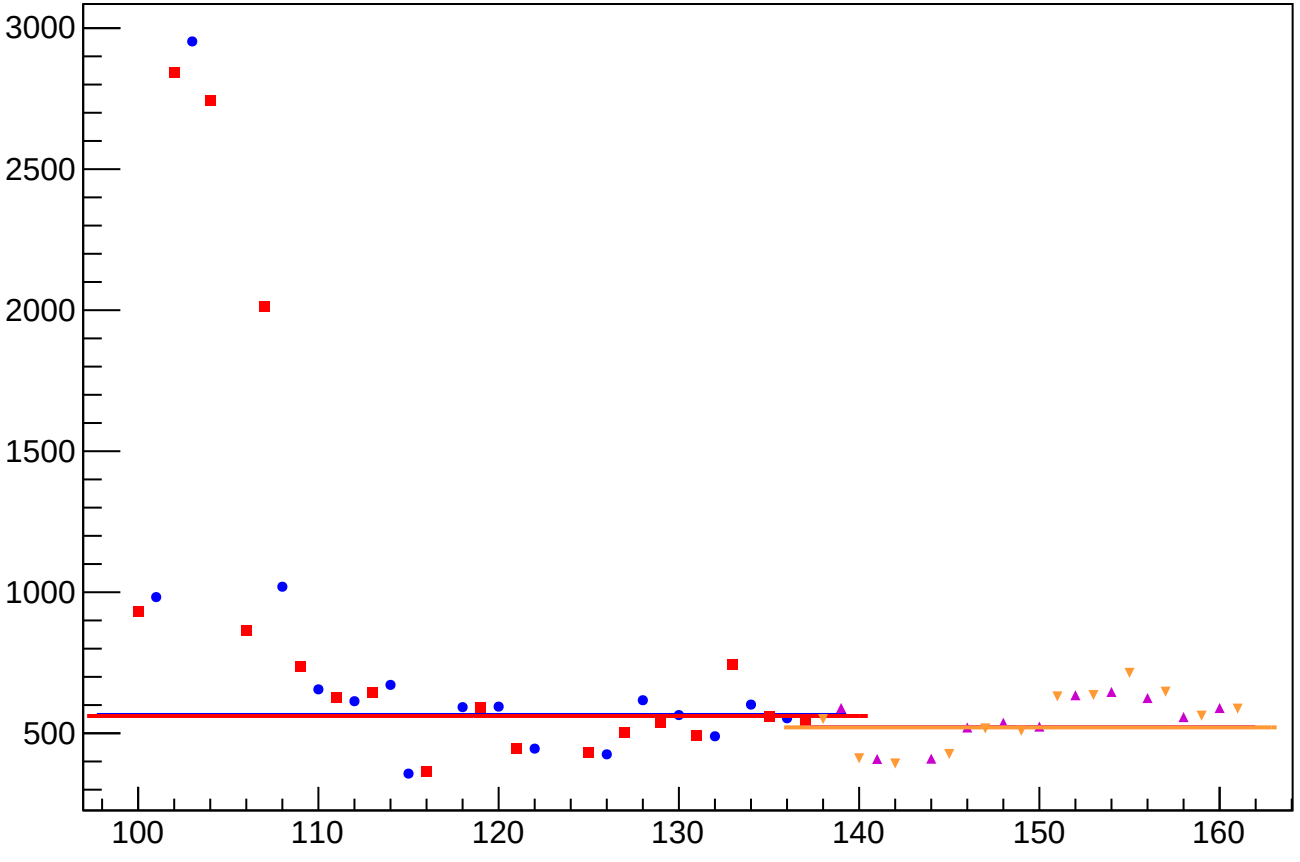
Left In: -203.640+/-171.371 χ^2/NDF:5.3/10

+ sign -505.435+/-136.121 χ^2/NDF: 61.6/27

All: -397.912+/-96.451 χ^2/NDF: 83.5/56

- sign -289.496+/-136.684 χ^2/NDF: 20.6/28

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 520.958+/-0.122 χ^2/NDF:613660.9/11

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

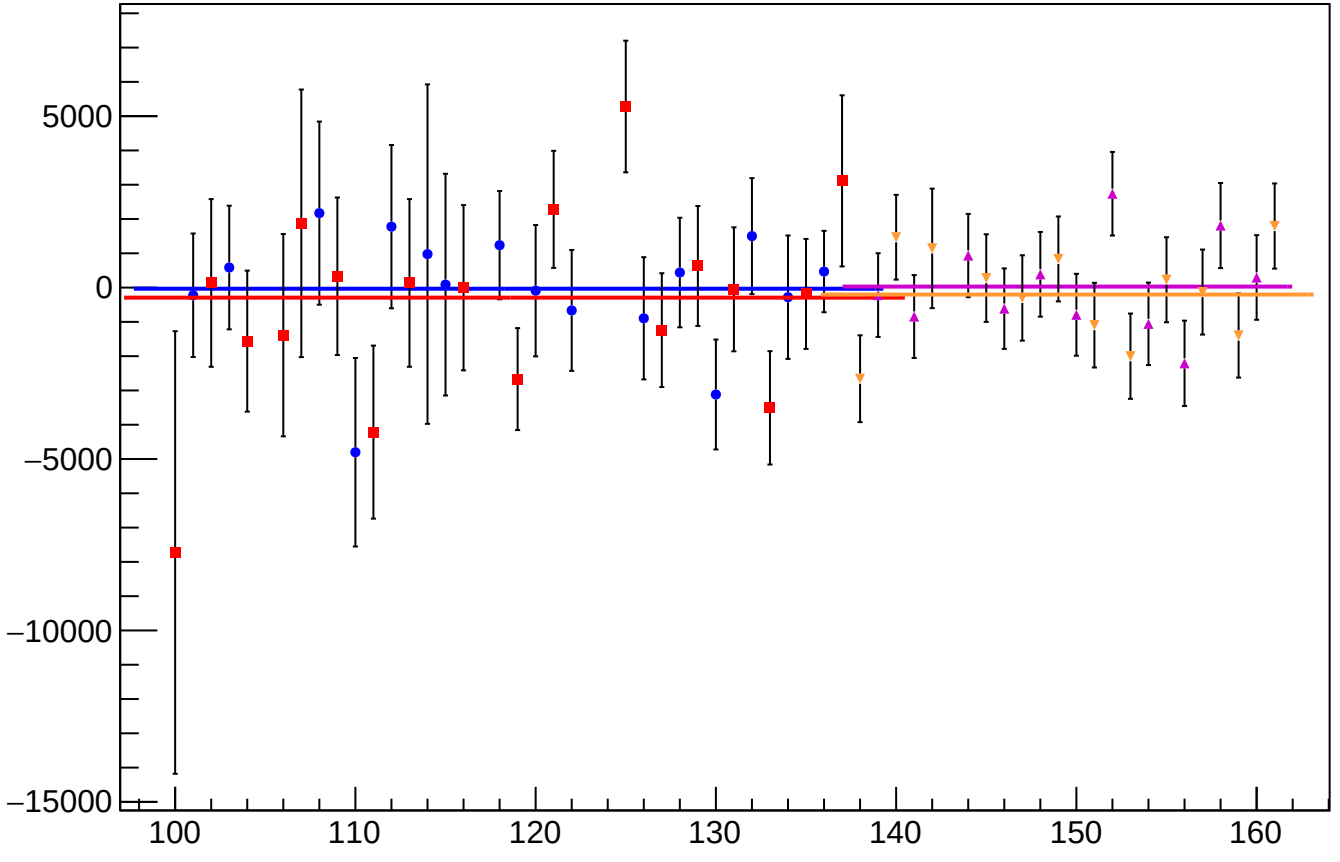
Left In: 522.050+/-0.121 χ^2/NDF:484309.9/10

+ sign 537.355+/-0.096 χ^2/NDF: 2142735.2/27

All: 536.840+/-0.068 χ^2/NDF: 4938595.2/56

- sign 536.321+/-0.097 χ^2/NDF: 2795802.5/28

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -203.237+/-366.802 χ^2/NDF:13.3/11

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

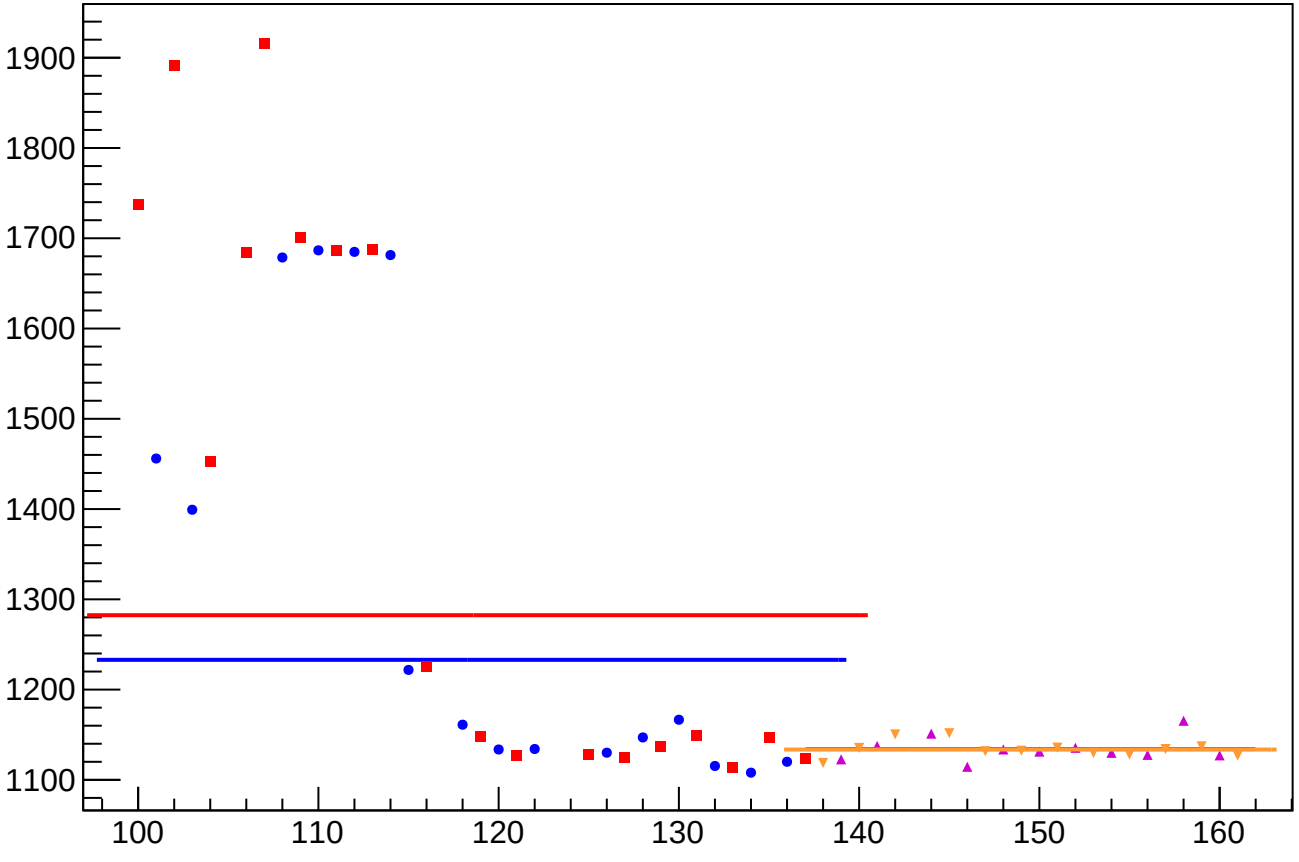
Left In: 28.953+/-366.811 χ^2/NDF:13.1/10

+ sign -137.654+/-287.563 χ^2/NDF: 23.7/27

All: -113.574+/-204.993 χ^2/NDF: 61.3/56

- sign -88.694+/-292.305 χ^2/NDF: 37.6/28

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1133.592+/-0.259 χ^2/NDF:1011.6/11

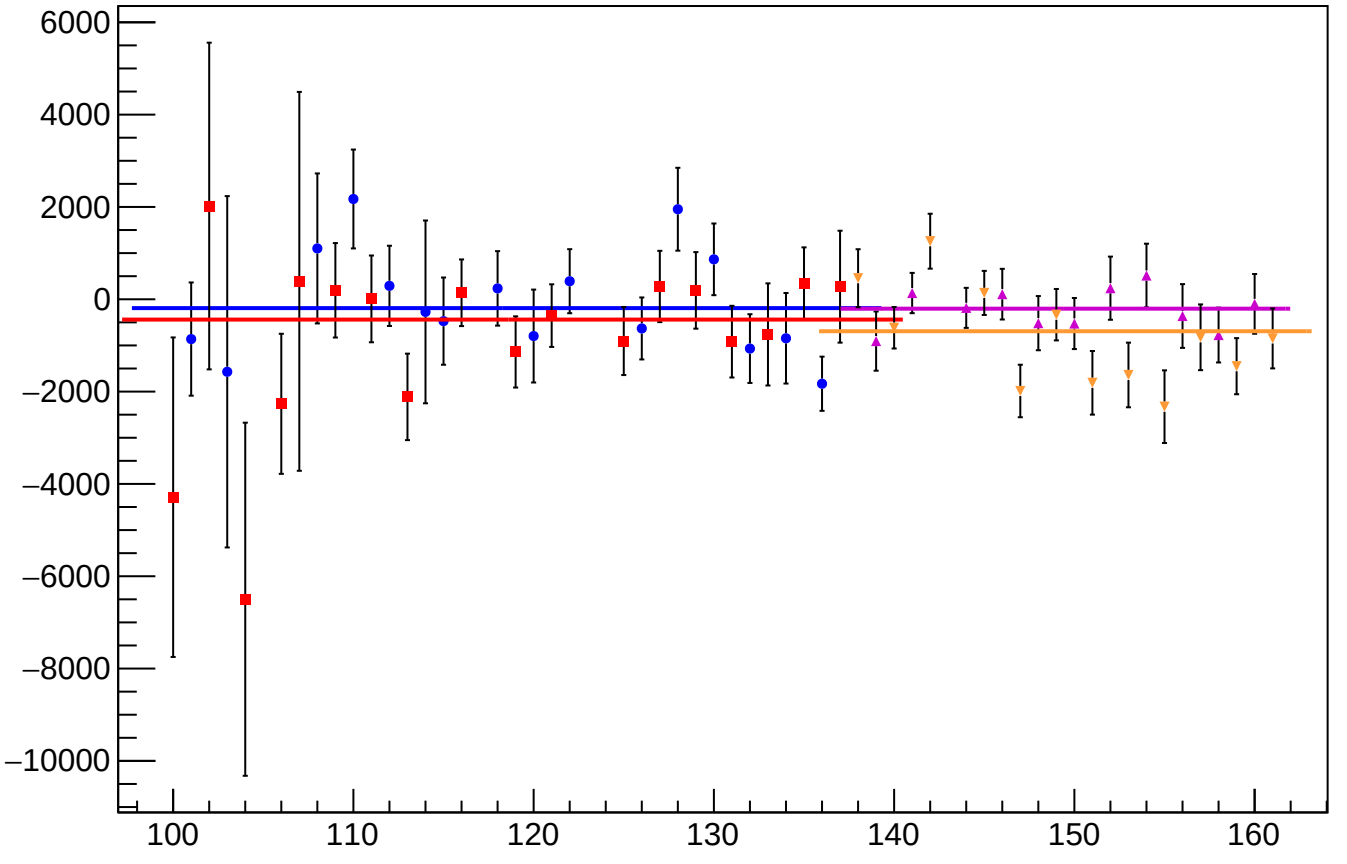
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1134.062+/-0.259 χ^2/NDF:2579.0/10

+ sign 1171.889+/-0.203 χ^2/NDF: 373053.1/27

All: 1179.914+/-0.145 χ^2/NDF: 1041590.4/56

- sign 1188.205+/-0.207 χ^2/NDF: 665370.7/28



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -692.487+/-171.960 χ^2/NDF:33.2/11

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

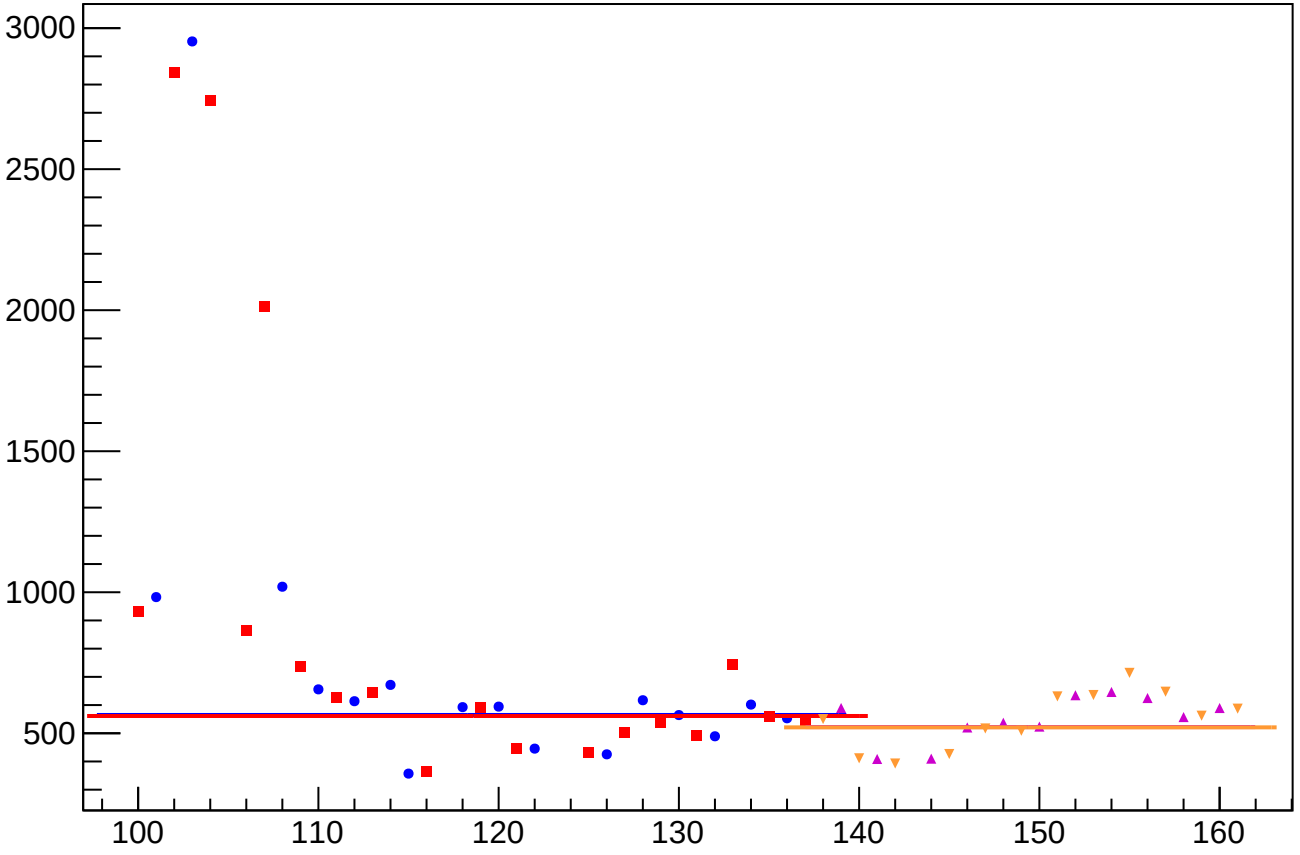
Left In: -203.640+/-171.371 χ^2/NDF:5.3/10

+ sign -505.434+/-136.121 χ^2/NDF: 61.6/27

All: -397.911+/-96.451 χ^2/NDF: 83.5/56

- sign -289.497+/-136.684 χ^2/NDF: 20.6/28

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 520.957+/-0.122 χ^2/NDF:613679.8/11

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

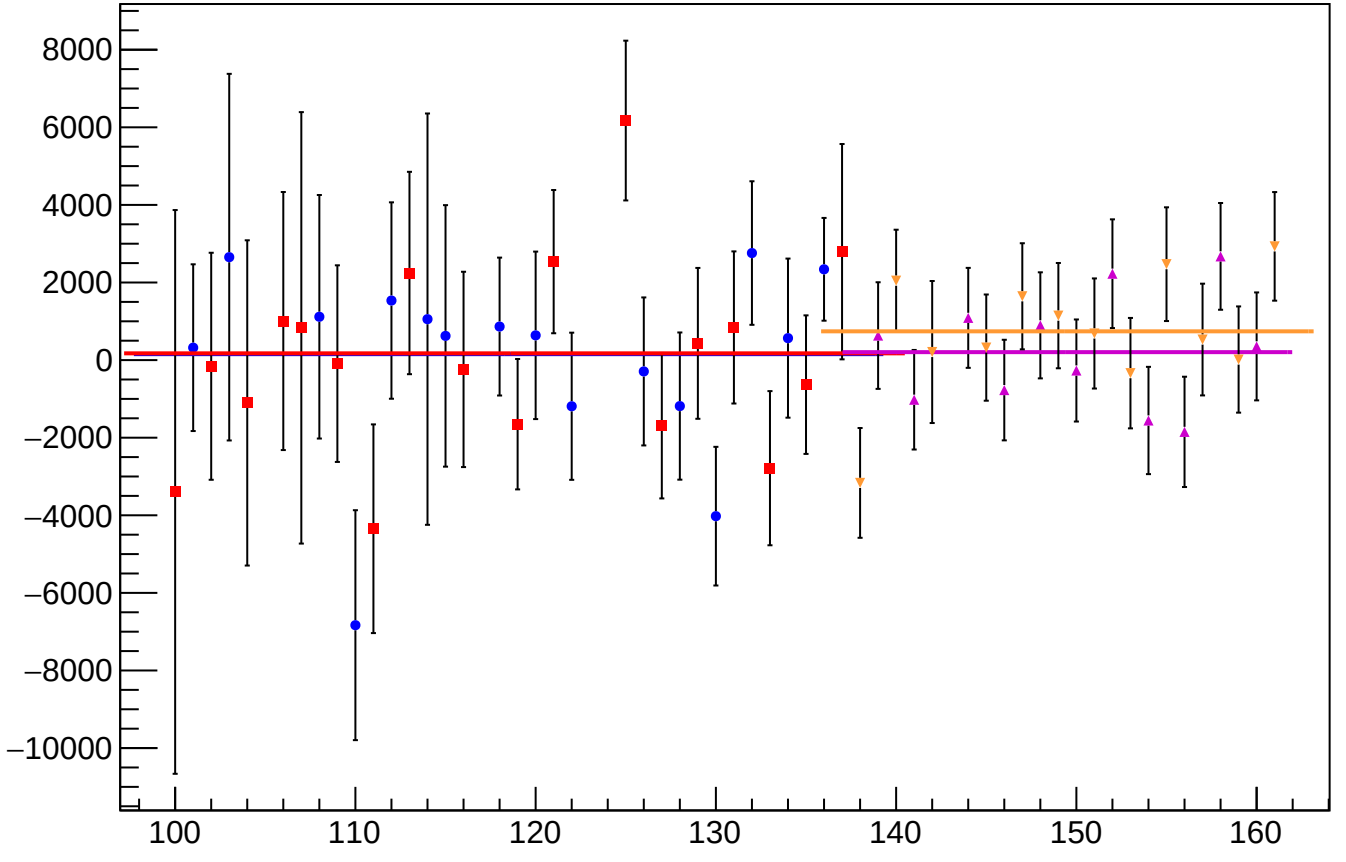
Left In: 522.049+/-0.121 χ^2/NDF:484321.8/10

+ sign 537.354+/-0.096 χ^2/NDF: 2142753.2/27

All: 536.839+/-0.068 χ^2/NDF: 4938626.7/56

- sign 536.320+/-0.097 χ^2/NDF: 2795816.1/28

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 741.450+/-409.221 χ^2/NDF:14.0/11

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

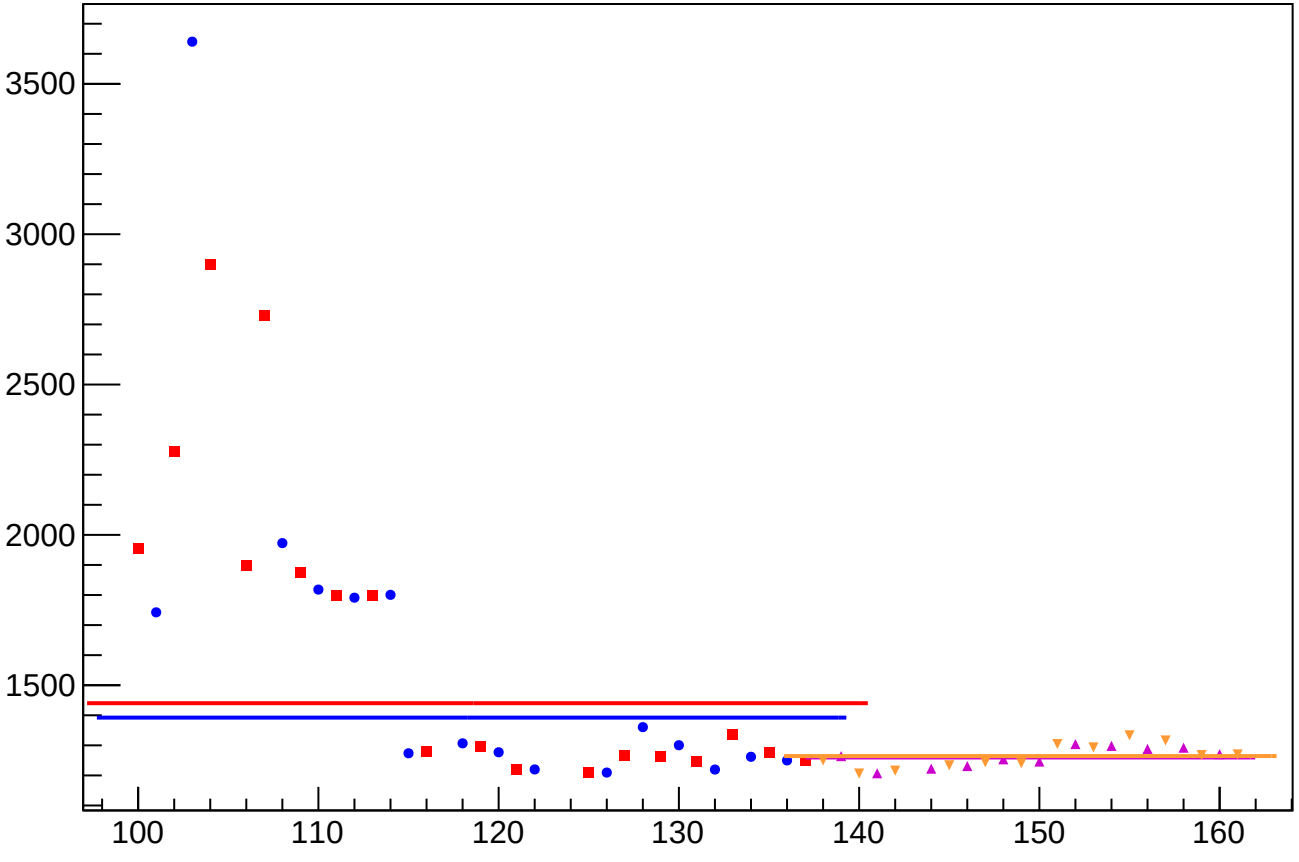
Left In: 205.151+/-407.569 χ^2/NDF:11.5/10

+ sign 522.891+/-324.383 χ^2/NDF: 32.6/27

All: 360.125+/-230.465 χ^2/NDF: 64.2/56

- sign 194.226+/-327.491 χ^2/NDF: 31.1/28

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1264.358+/-0.289 χ^2/NDF:17096.4/11

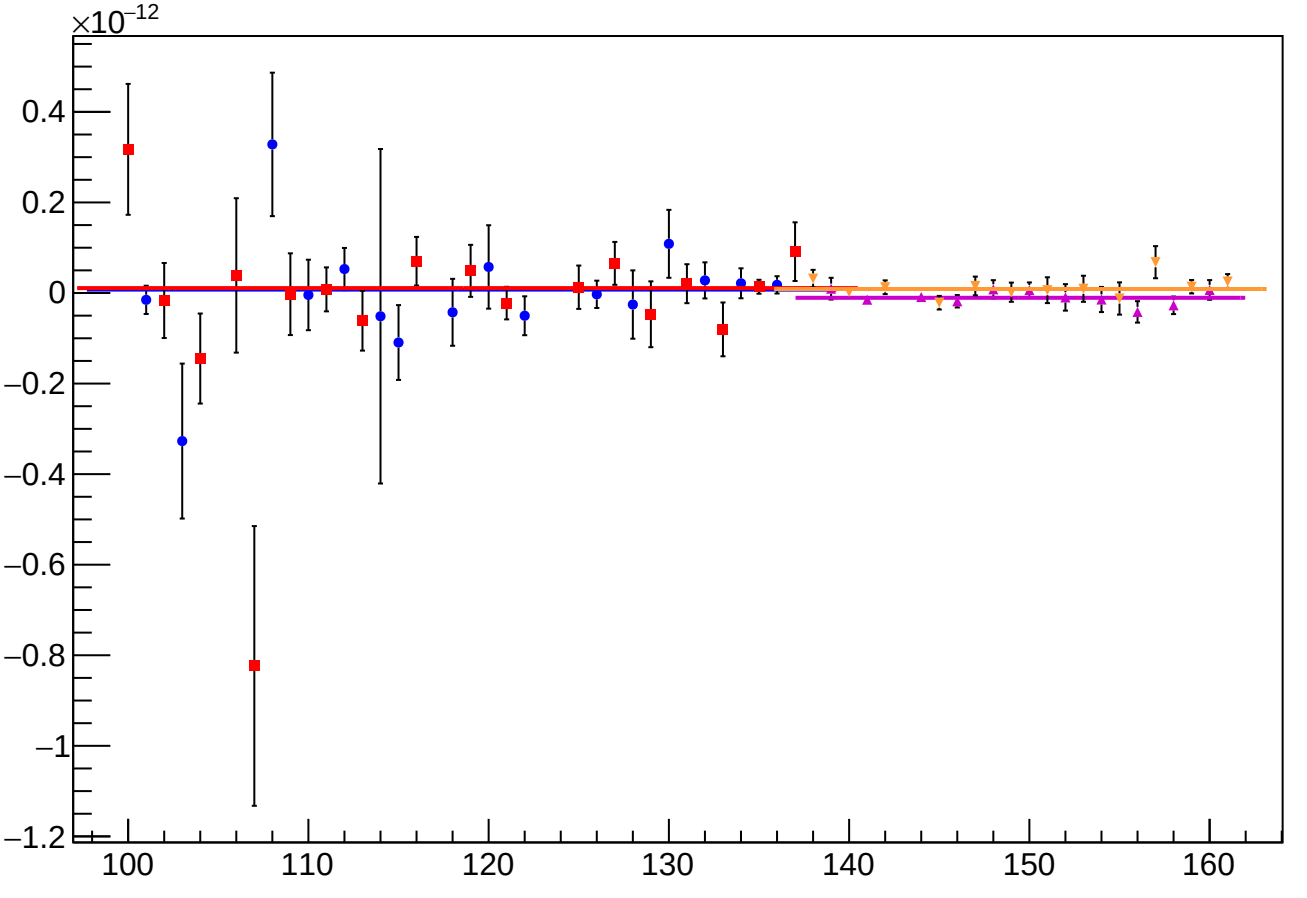
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1259.684+/-0.288 χ^2/NDF:11897.7/10

+ sign 1311.907+/-0.229 χ^2/NDF: 868992.6/27

All: 1317.727+/-0.163 χ^2/NDF: 1876134.0/56

- sign 1323.658+/-0.232 χ^2/NDF: 1005841.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/11

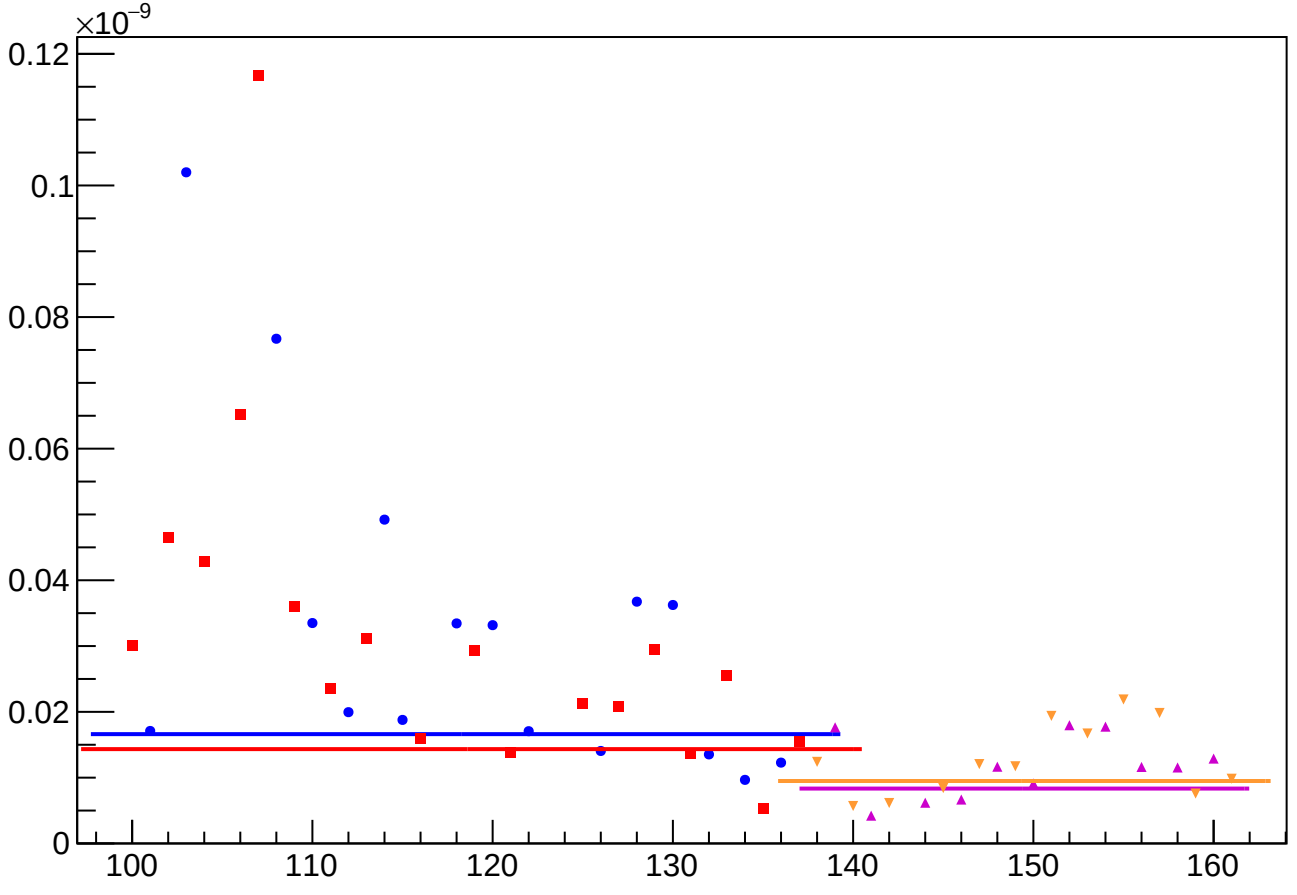
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:6.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 27.2/27

All: 0.000+/-0.000 χ^2/NDF: 66.6/56

- sign -0.000+/-0.000 χ^2/NDF: 33.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1252446.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

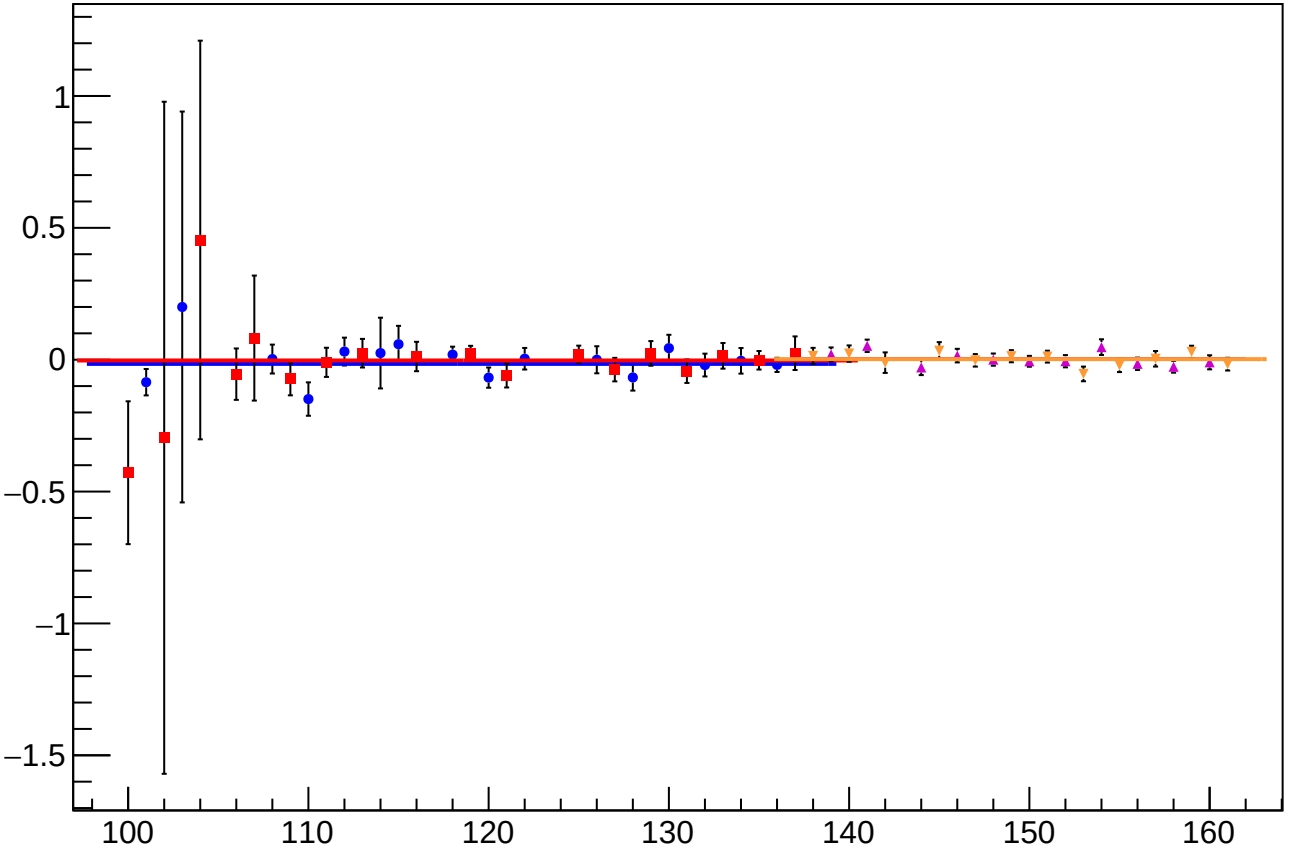
Left In: 0.000+/-0.000 χ^2/NDF:1484345.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 3522232.4/27

All: 0.000+/-0.000 χ^2/NDF: 7893343.6/56

- sign 0.000+/-0.000 χ^2/NDF: 4270809.8/28

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: 0.002+/-0.008 χ^2/NDF:9.1/11

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

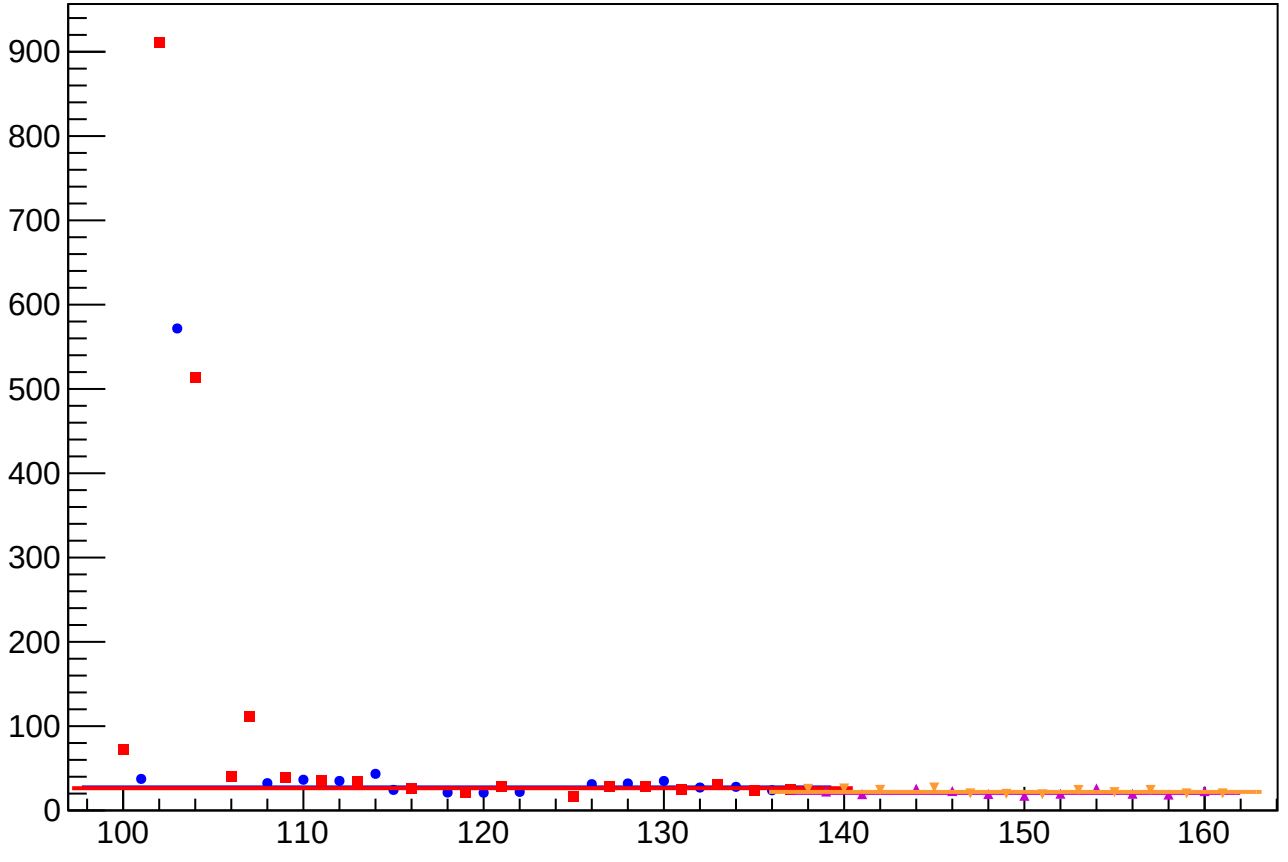
Left In: 0.003+/-0.007 χ^2/NDF:11.6/10

+ sign -0.003+/-0.006 χ^2/NDF: 25.4/27

All: -0.001+/-0.004 χ^2/NDF: 47.2/56

- sign 0.001+/-0.006 χ^2/NDF: 21.6/28

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: 21.988+/-0.005 χ^2/NDF:233447.4/11

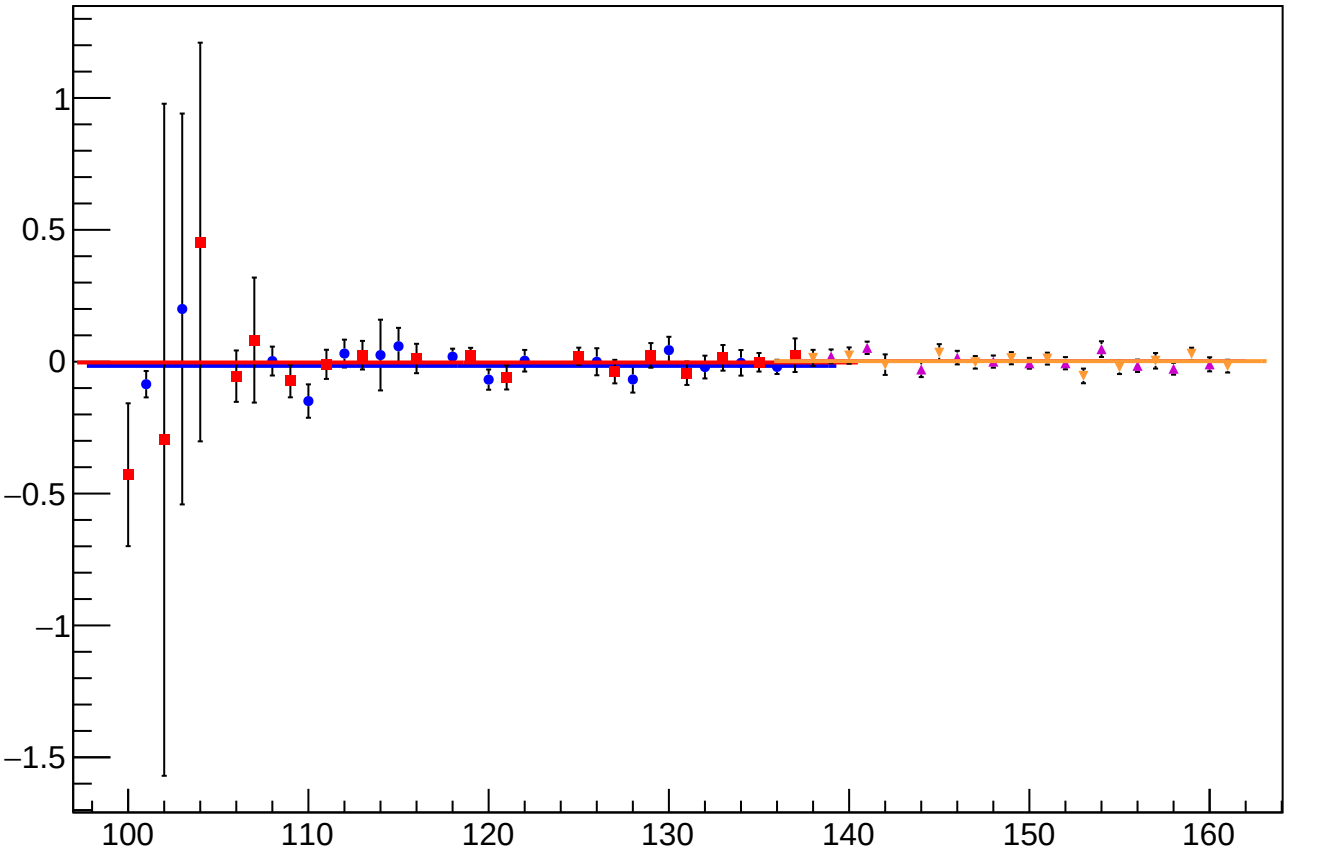
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.852+/-0.005 χ^2/NDF:246567.8/10

+ sign 23.624+/-0.005 χ^2/NDF: 2094688.4/27

All: 22.987+/-0.003 χ^2/NDF: 5303974.8/56

- sign 22.372+/-0.004 χ^2/NDF: 3170453.6/28



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.008 χ^2/NDF:9.1/11

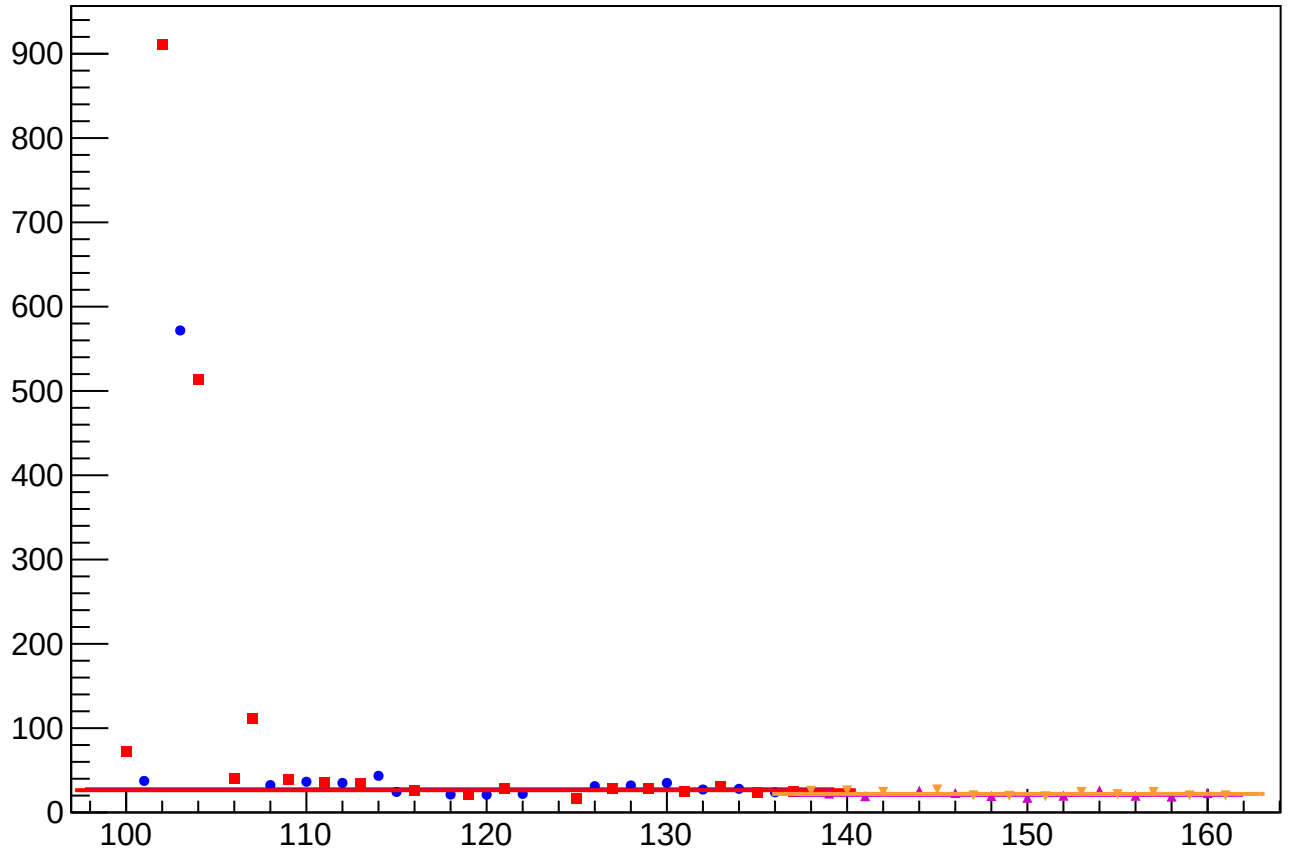
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.003+/-0.007 χ^2/NDF:11.6/10

+ sign -0.003+/-0.006 χ^2/NDF: 25.4/27

All: -0.001+/-0.004 χ^2/NDF: 47.2/56

- sign 0.001+/-0.006 χ^2/NDF: 21.6/28



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.988+/-0.005 χ^2/NDF:233447.4/11

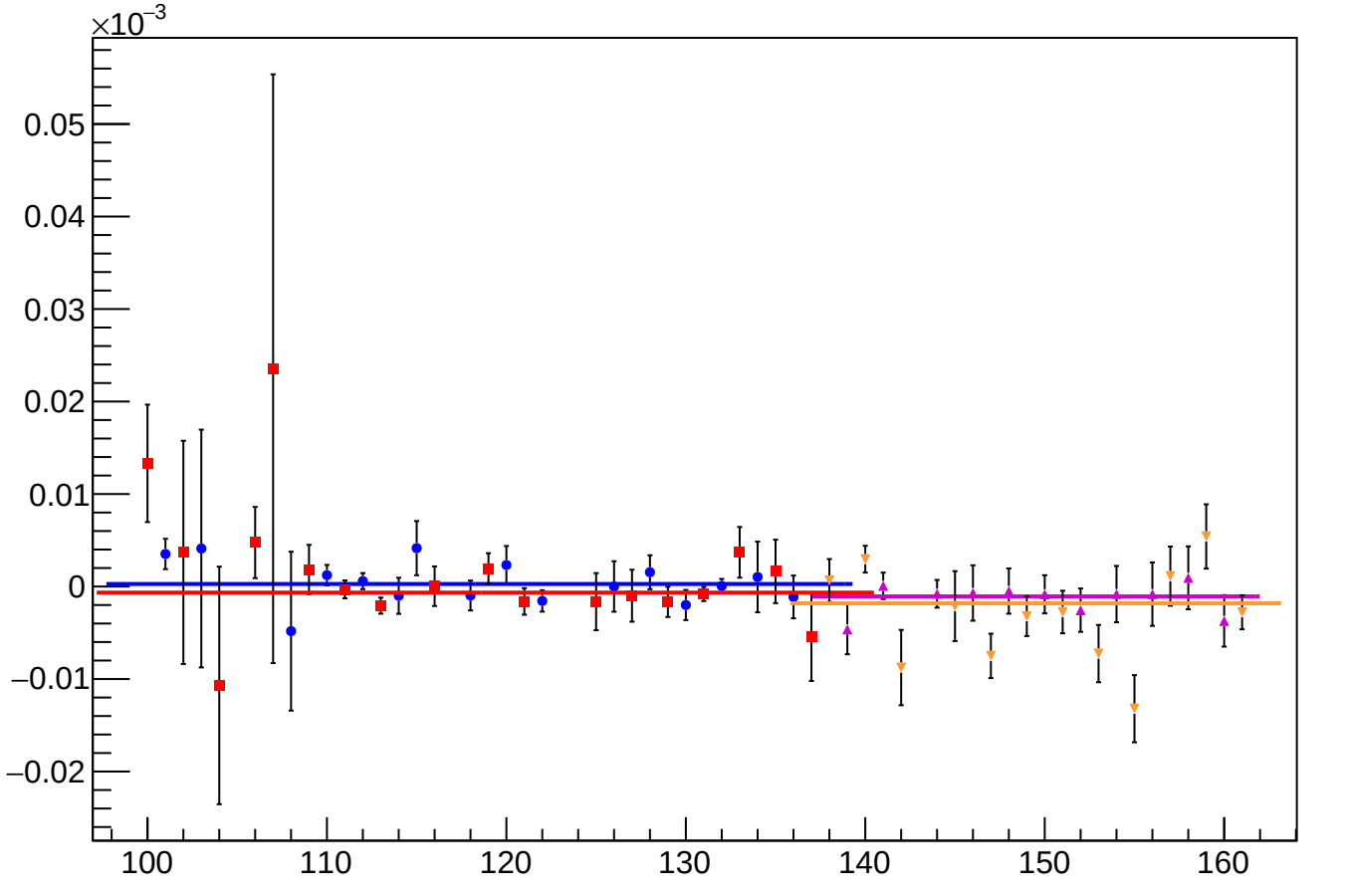
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.852+/-0.005 χ^2/NDF:246567.8/10

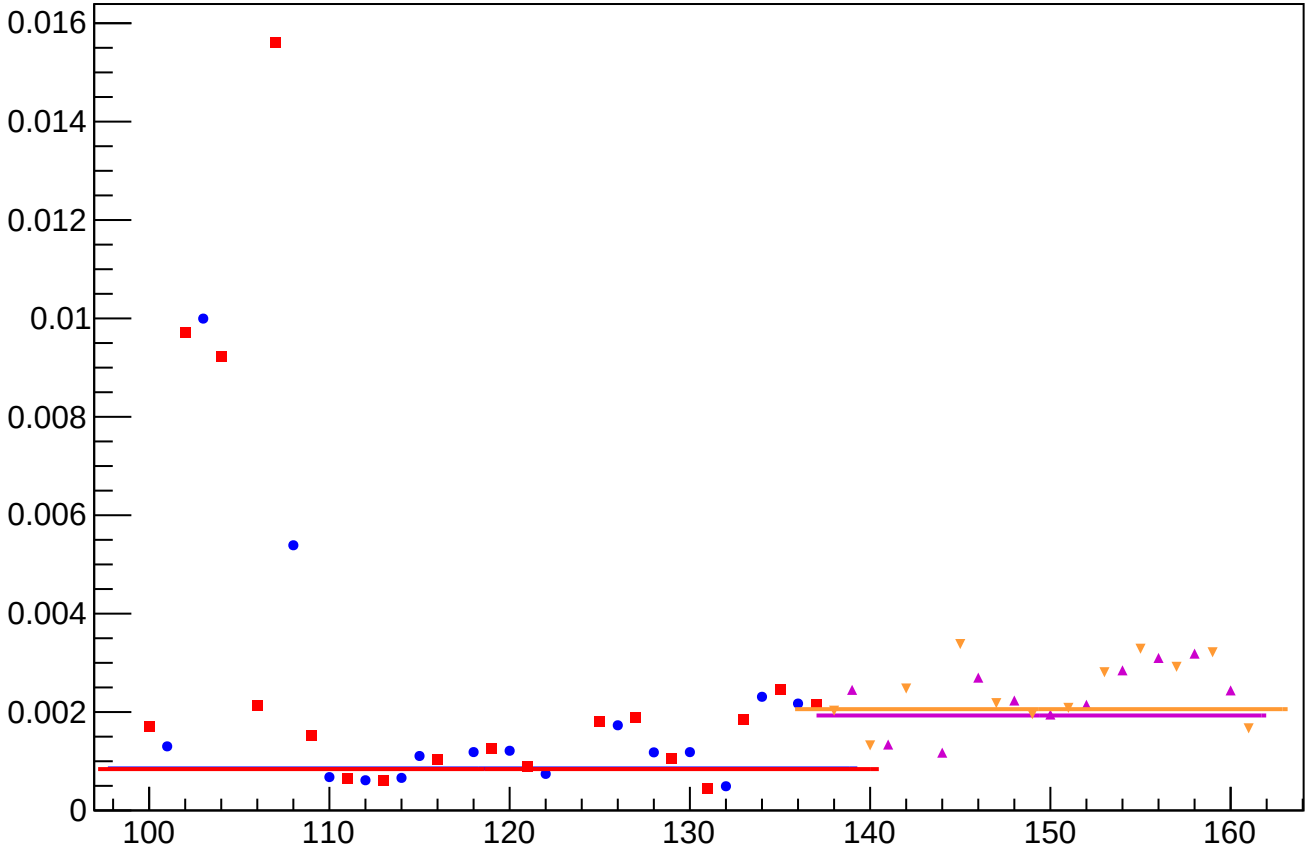
+ sign 23.624+/-0.005 χ^2/NDF: 2094688.4/27

All: 22.987+/-0.003 χ^2/NDF: 5303974.8/56

- sign 22.372+/-0.004 χ^2/NDF: 3170453.6/28


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: -0.000+/-0.000 χ²/NDF:39.5/11
Right Out: -0.000+/-0.000 χ²/NDF: 19.3/17
Left In: -0.000+/-0.000 χ²/NDF:4.2/10
+ sign -0.000+/-0.000 χ²/NDF: 60.9/27
All: -0.000+/-0.000 χ²/NDF: 86.0/56
- sign -0.000+/-0.000 χ²/NDF: 23.7/28

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: 0.002+/-0.000 χ^2/NDF:1597798.6/11

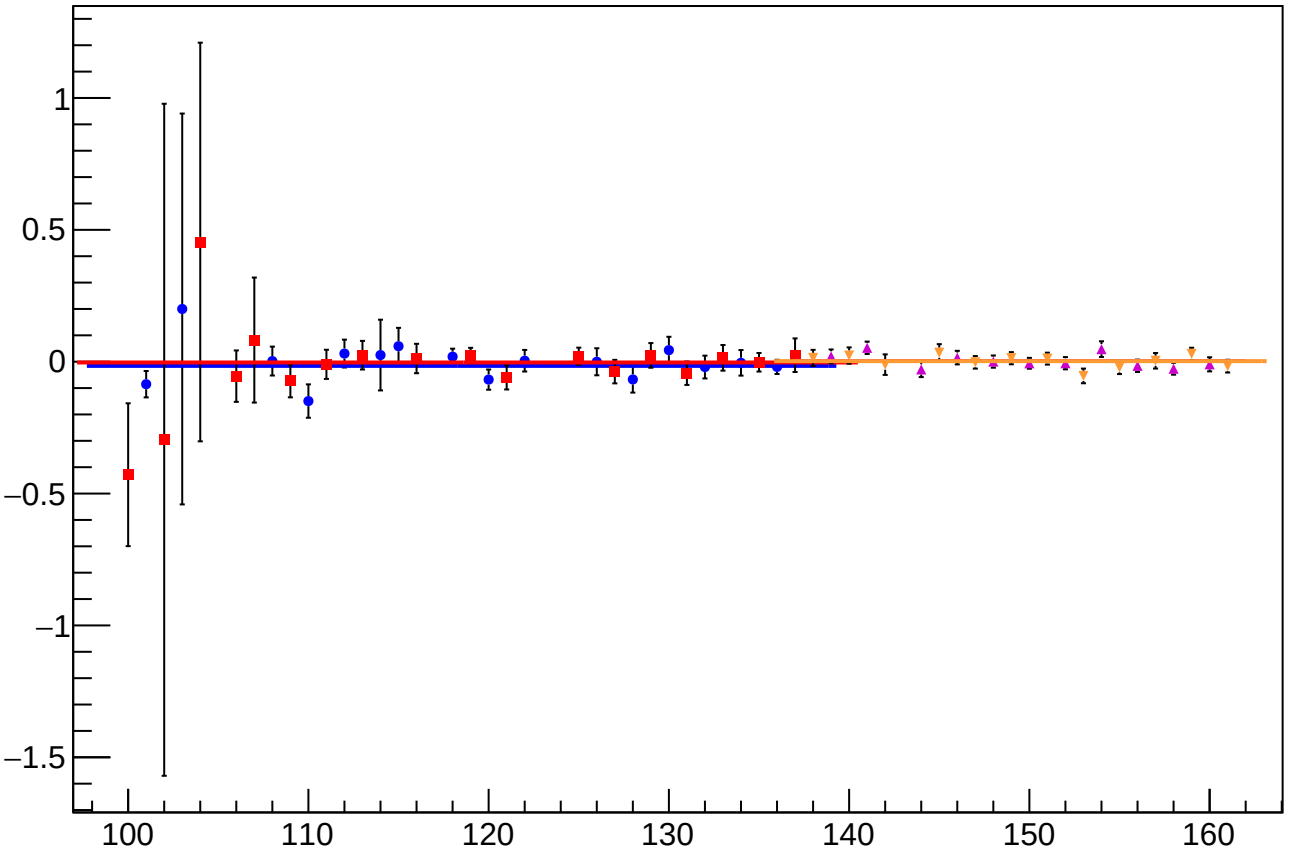
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1860226.1/10

+ sign 0.001+/-0.000 χ^2/NDF: 10046692.0/27

All: 0.001+/-0.000 χ^2/NDF: 20786075.2/56

- sign 0.001+/-0.000 χ^2/NDF: 10739364.8/28



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.008 χ^2/NDF:9.1/11

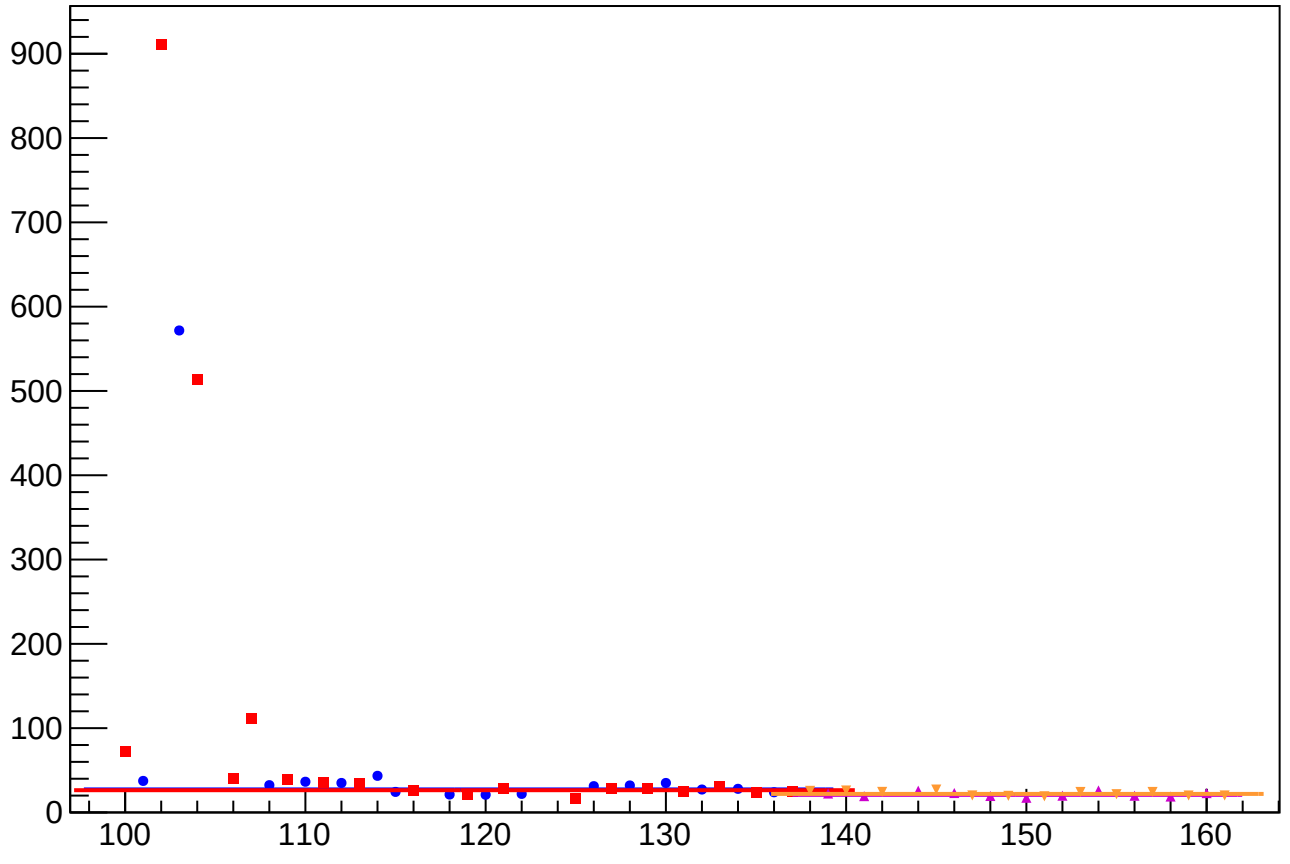
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.003+/-0.007 χ^2/NDF:11.6/10

\+ sign -0.003+/-0.006 χ^2/NDF: 25.4/27

All: -0.001+/-0.004 χ^2/NDF: 47.2/56

\- sign 0.001+/-0.006 χ^2/NDF: 21.6/28



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.988+/-0.005 χ^2/NDF:233418.2/11

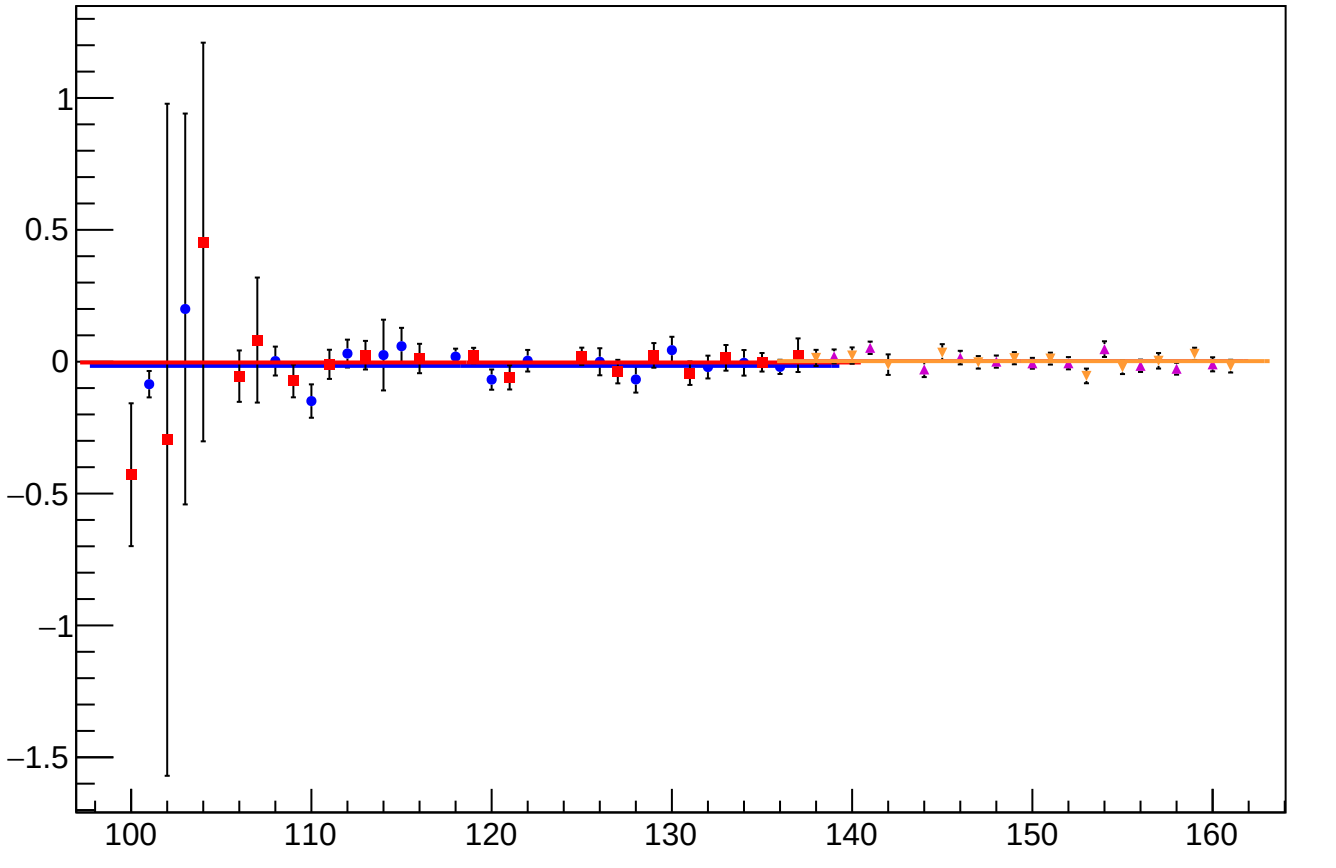
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.852+/-0.005 χ^2/NDF:246583.5/10

+ sign 23.624+/-0.005 χ^2/NDF: 2094657.8/27

All: 22.987+/-0.003 χ^2/NDF: 5303981.8/56

- sign 22.372+/-0.004 χ^2/NDF: 3170490.9/28



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.008 χ^2/NDF:9.1/11

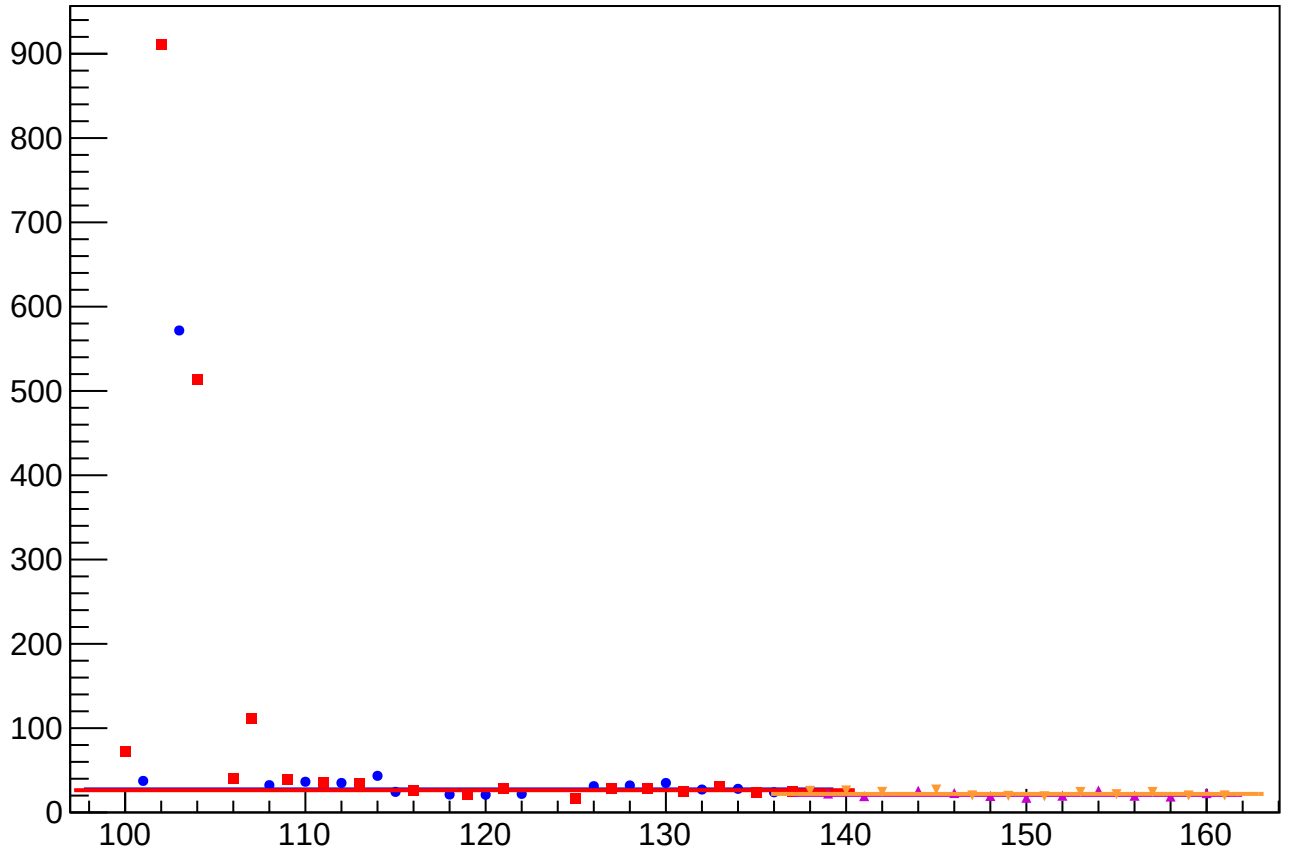
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.003+/-0.007 χ^2/NDF:11.6/10

+ sign -0.003+/-0.006 χ^2/NDF: 25.4/27

All: -0.001+/-0.004 χ^2/NDF: 47.2/56

- sign 0.001+/-0.006 χ^2/NDF: 21.6/28



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.988+/-0.005 χ^2/NDF:233418.2/11

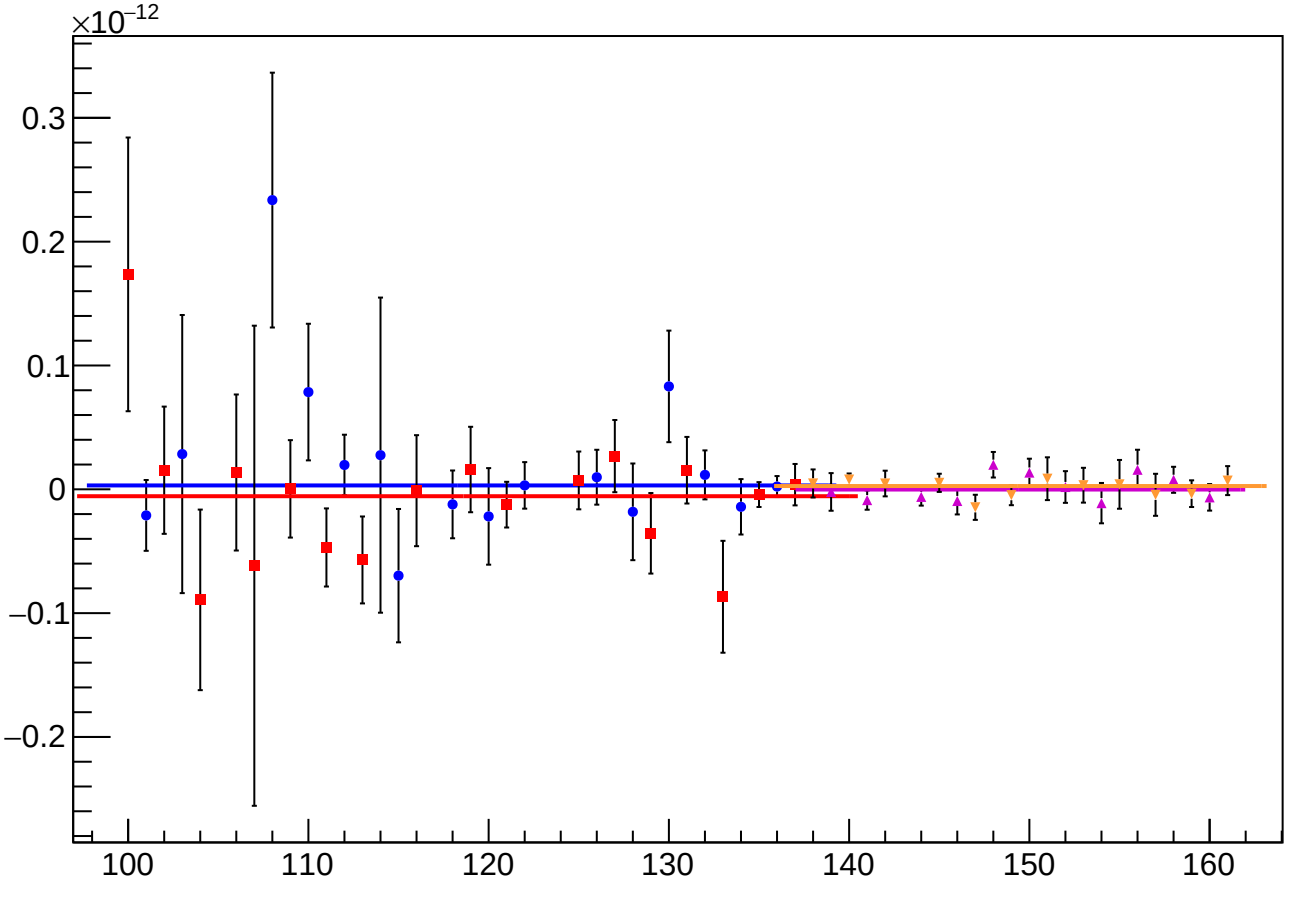
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.852+/-0.005 χ^2/NDF:246583.5/10

+ sign 23.624+/-0.005 χ^2/NDF: 2094657.8/27

All: 22.987+/-0.003 χ^2/NDF: 5303981.8/56

- sign 22.372+/-0.004 χ^2/NDF: 3170490.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.8/11

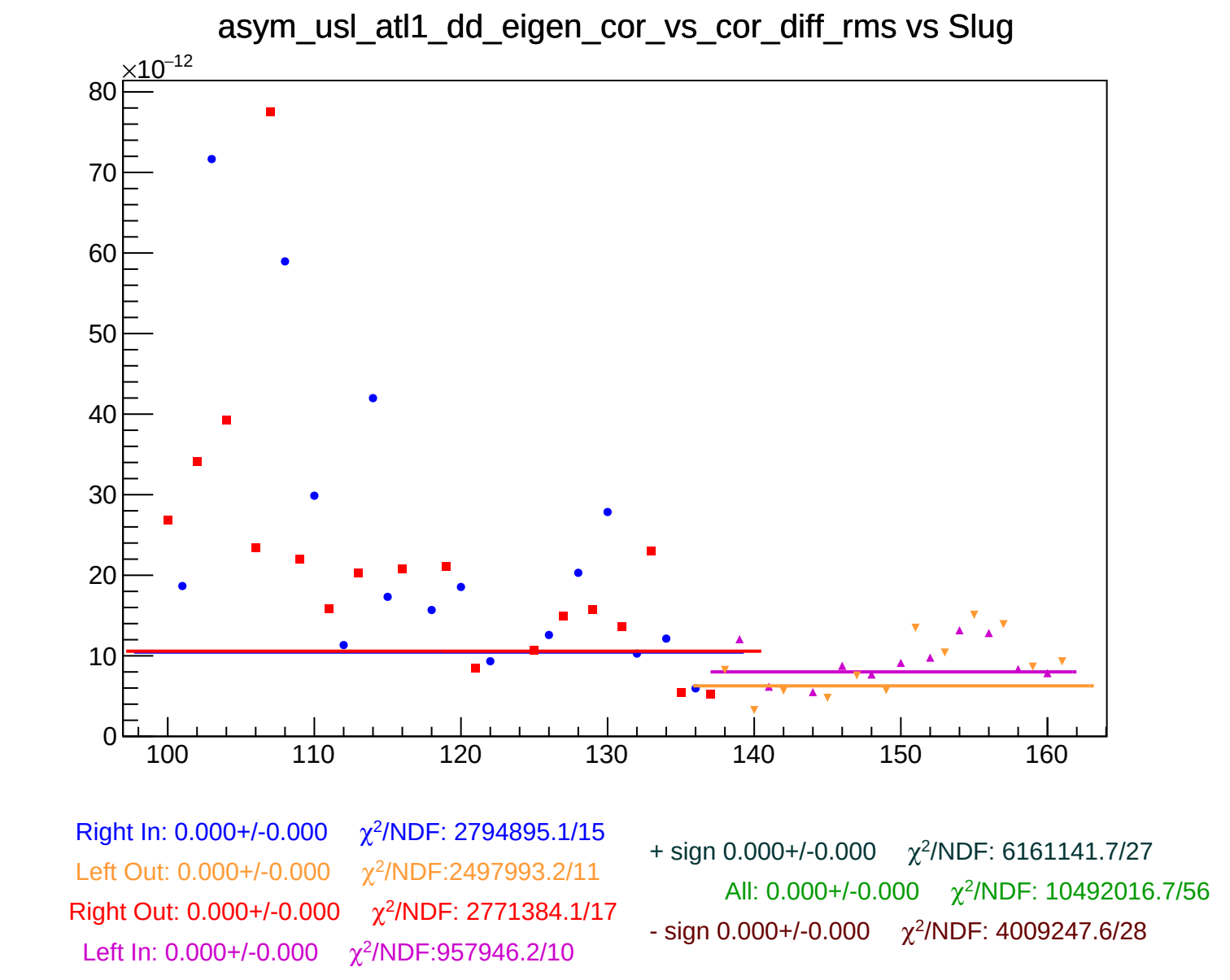
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:10.3/10

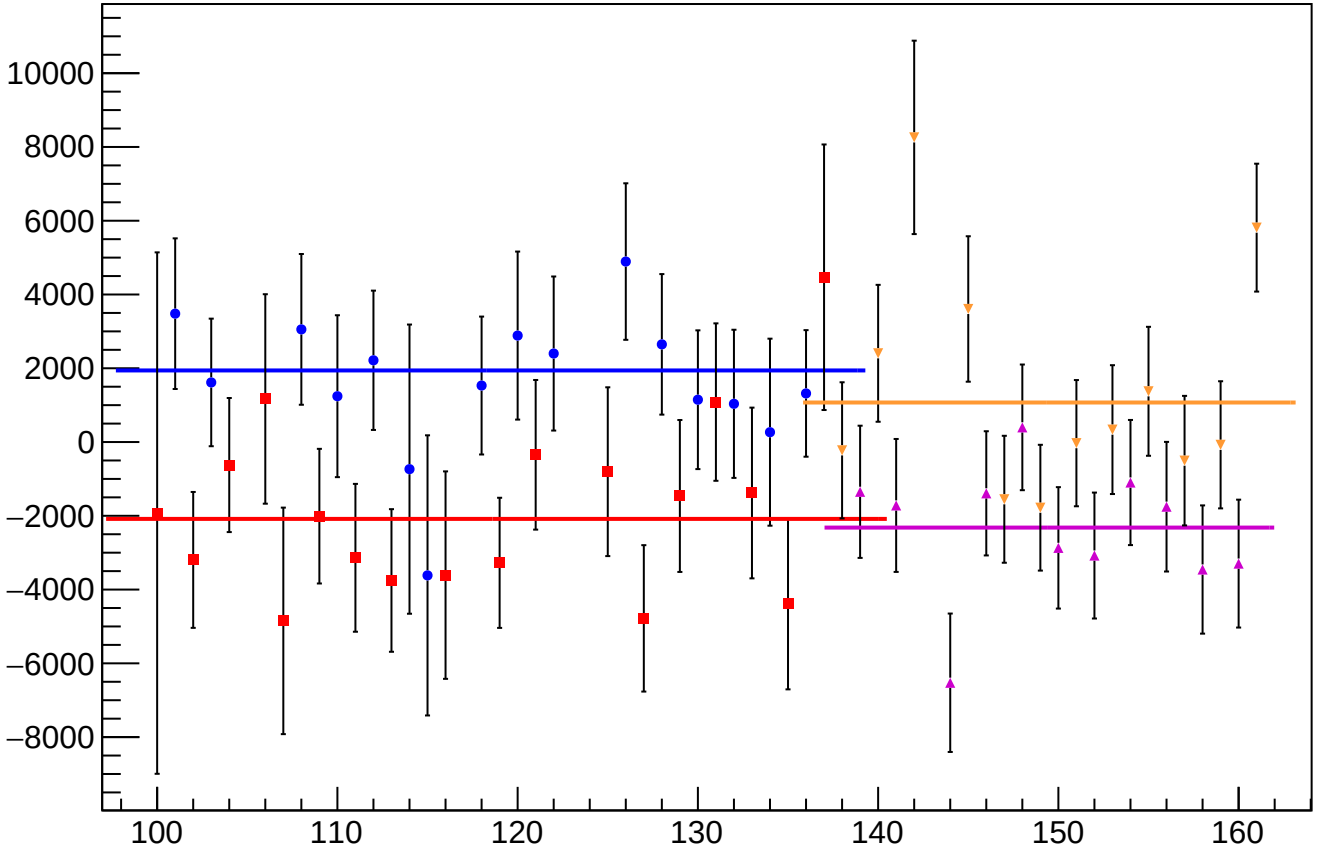
+ sign 0.000+/-0.000 χ^2/NDF: 20.8/27

All: 0.000+/-0.000 χ^2/NDF: 48.2/56

- sign -0.000+/-0.000 χ^2/NDF: 26.2/28


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
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2497993.2/11
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:957946.2/10
+ sign 0.000+/-0.000 χ²/NDF: 6161141.7/27
All: 0.000+/-0.000 χ²/NDF: 10492016.7/56
- sign 0.000+/-0.000 χ²/NDF: 4009247.6/28

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1071.696+/-522.830 χ^2/NDF:24.7/11

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

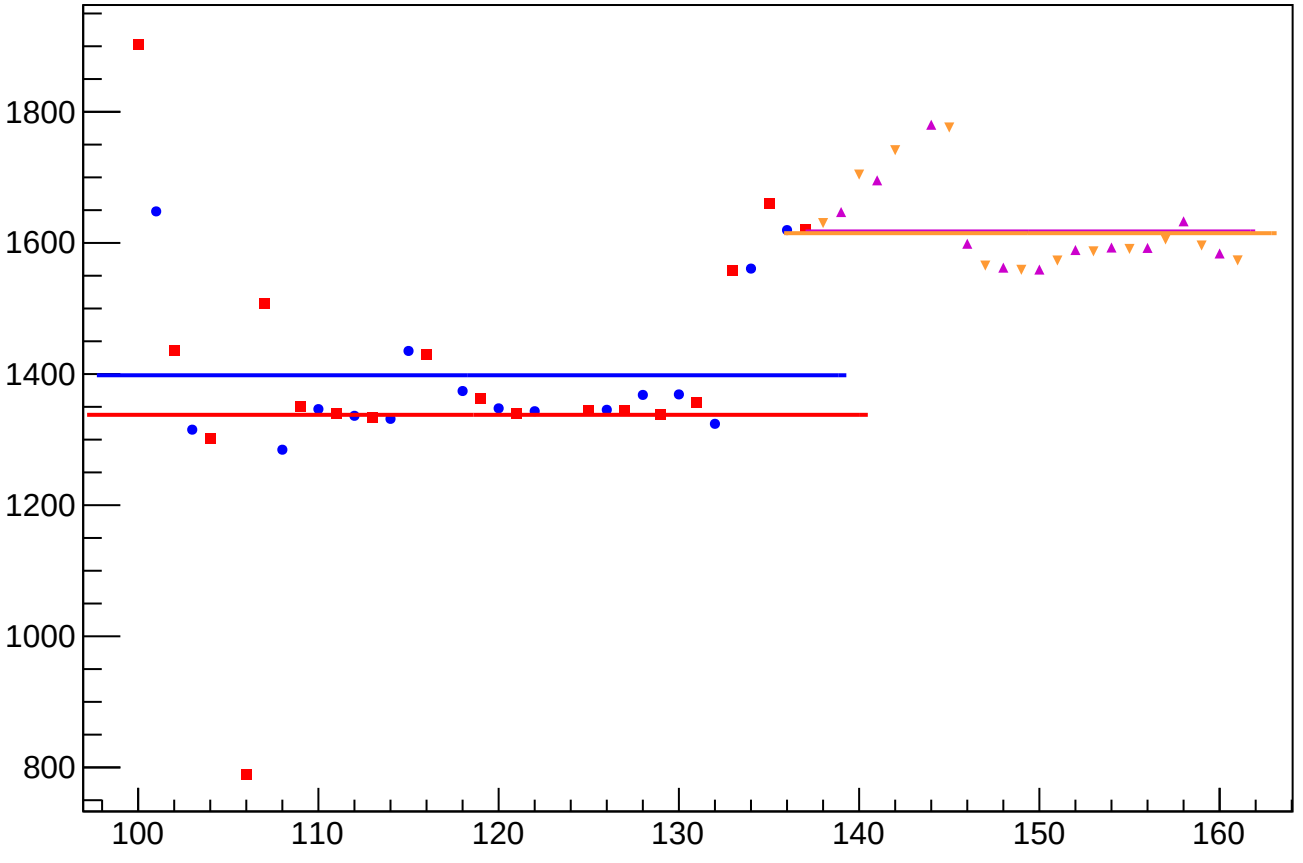
Left In: -2319.543+/-523.582 χ^2/NDF:10.0/10

+ sign 1506.881+/-369.464 χ^2/NDF: 33.0/27

All: -350.285+/-261.018 χ^2/NDF: 107.9/56

- sign -2200.844+/-368.807 χ^2/NDF: 24.5/28

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1614.871+/-0.370 χ^2/NDF:30120.3/11

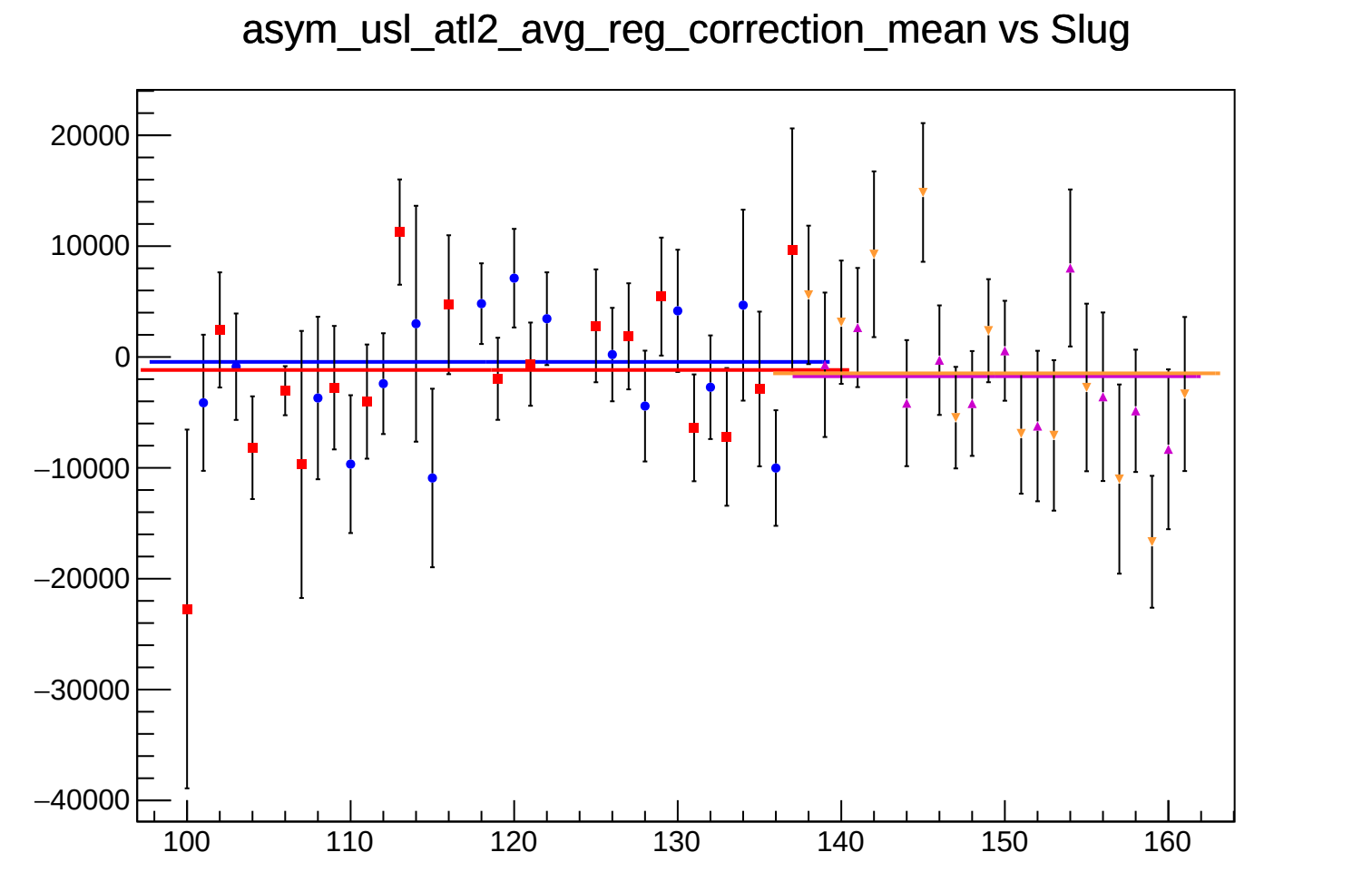
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1617.535+/-0.370 χ^2/NDF:26461.8/10

+ sign 1506.380+/-0.261 χ^2/NDF: 296065.5/27

All: 1488.962+/-0.183 χ^2/NDF: 945683.4/56

- sign 1472.162+/-0.257 χ^2/NDF: 640885.6/28



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1473.312+/-1737.686 χ^2/NDF:21.8/11

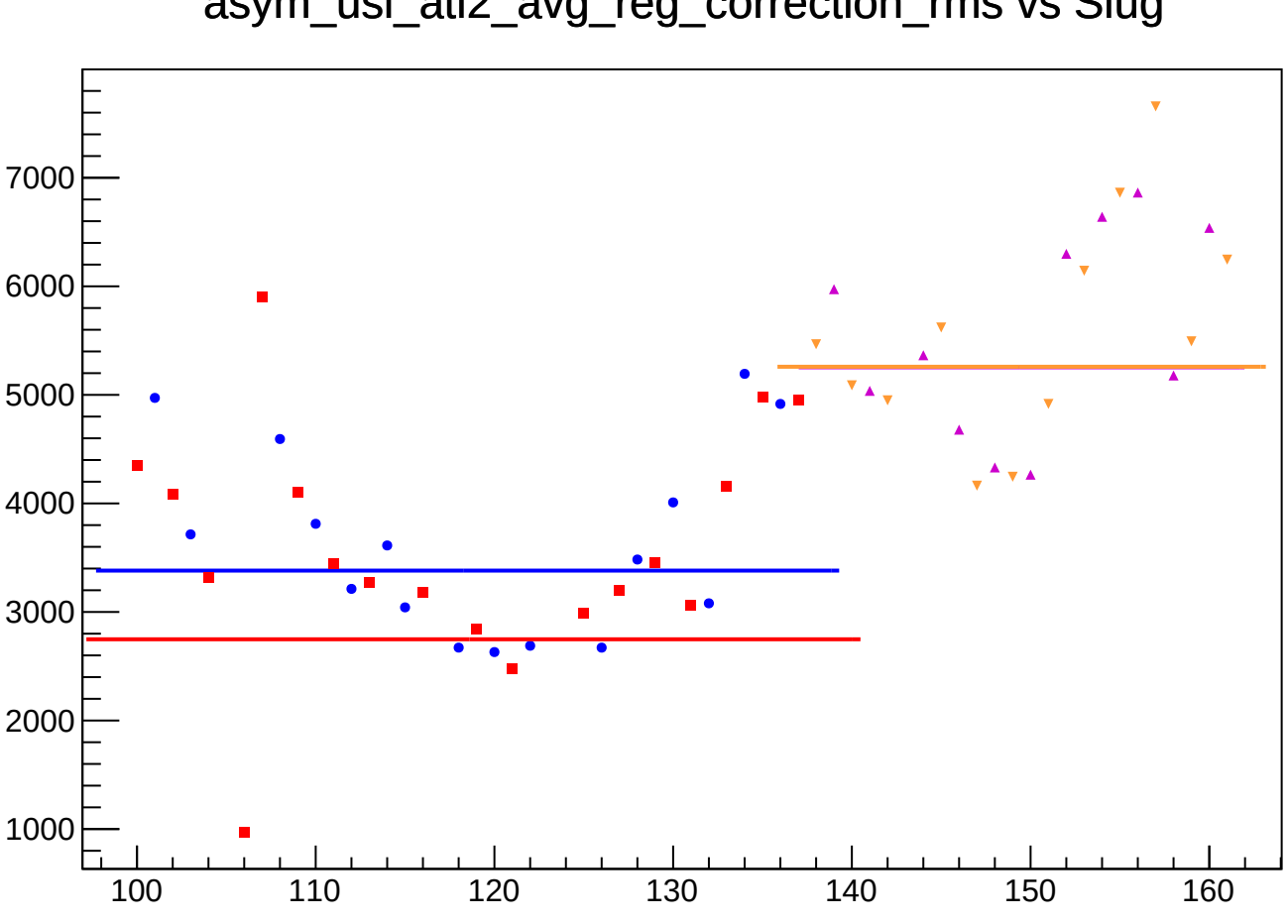
Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: -1736.265+/-1727.747 χ^2/NDF:5.0/10

+ sign -810.035+/-1038.838 χ^2/NDF: 38.0/27

All: -1100.732+/-696.907 χ^2/NDF: 62.9/56

- sign -1338.615+/-939.745 χ^2/NDF: 24.8/28



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5259.104+/-1.229 χ^2/NDF:556896.5/11

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

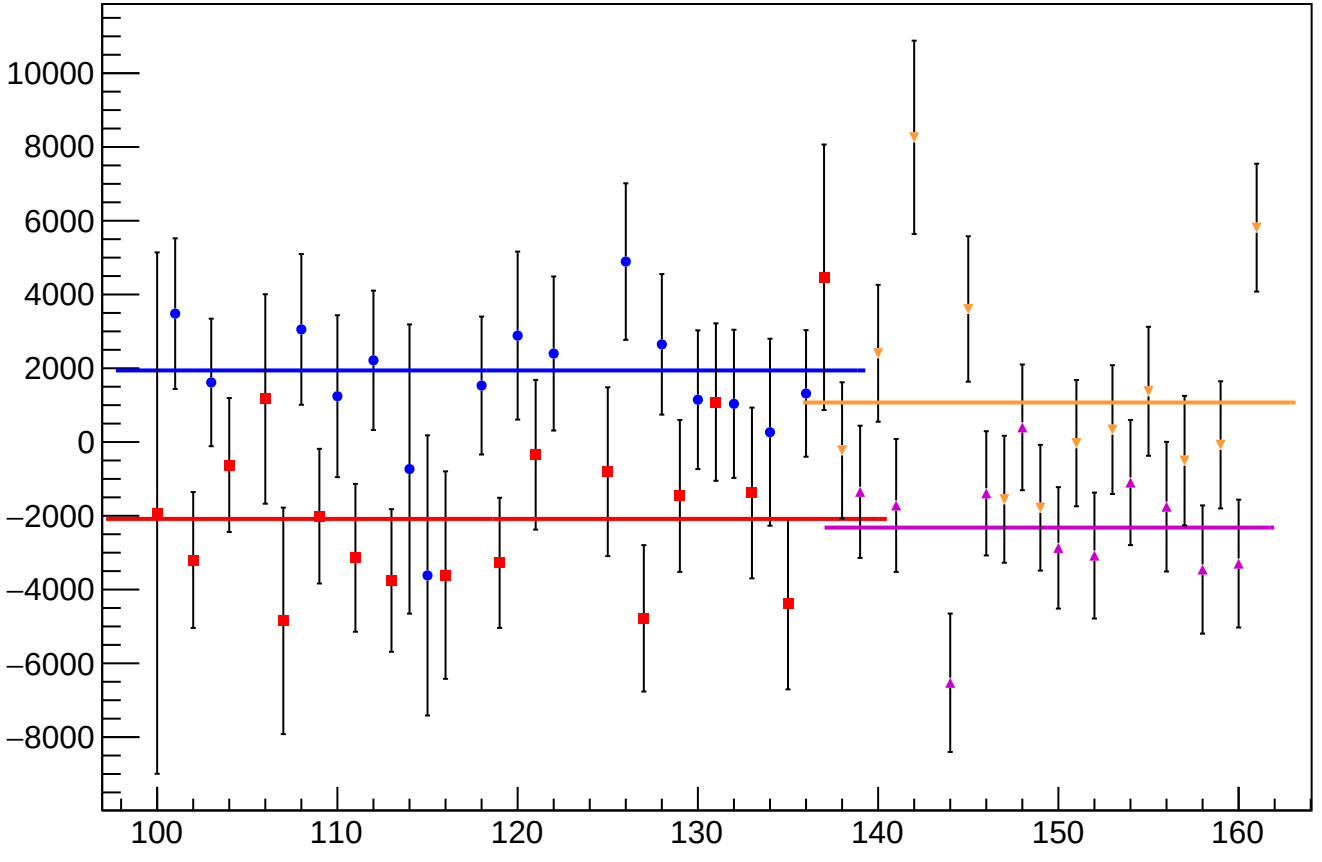
Left In: 5253.635+/-1.222 χ^2/NDF:505468.2/10

+ sign 4052.307+/-0.735 χ^2/NDF: 2815158.7/27

All: 3742.806+/-0.493 χ^2/NDF: 8869041.6/56

- sign 3489.535+/-0.665 χ^2/NDF: 5731086.2/28

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1071.765+/-522.830 χ^2/NDF:24.7/11

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

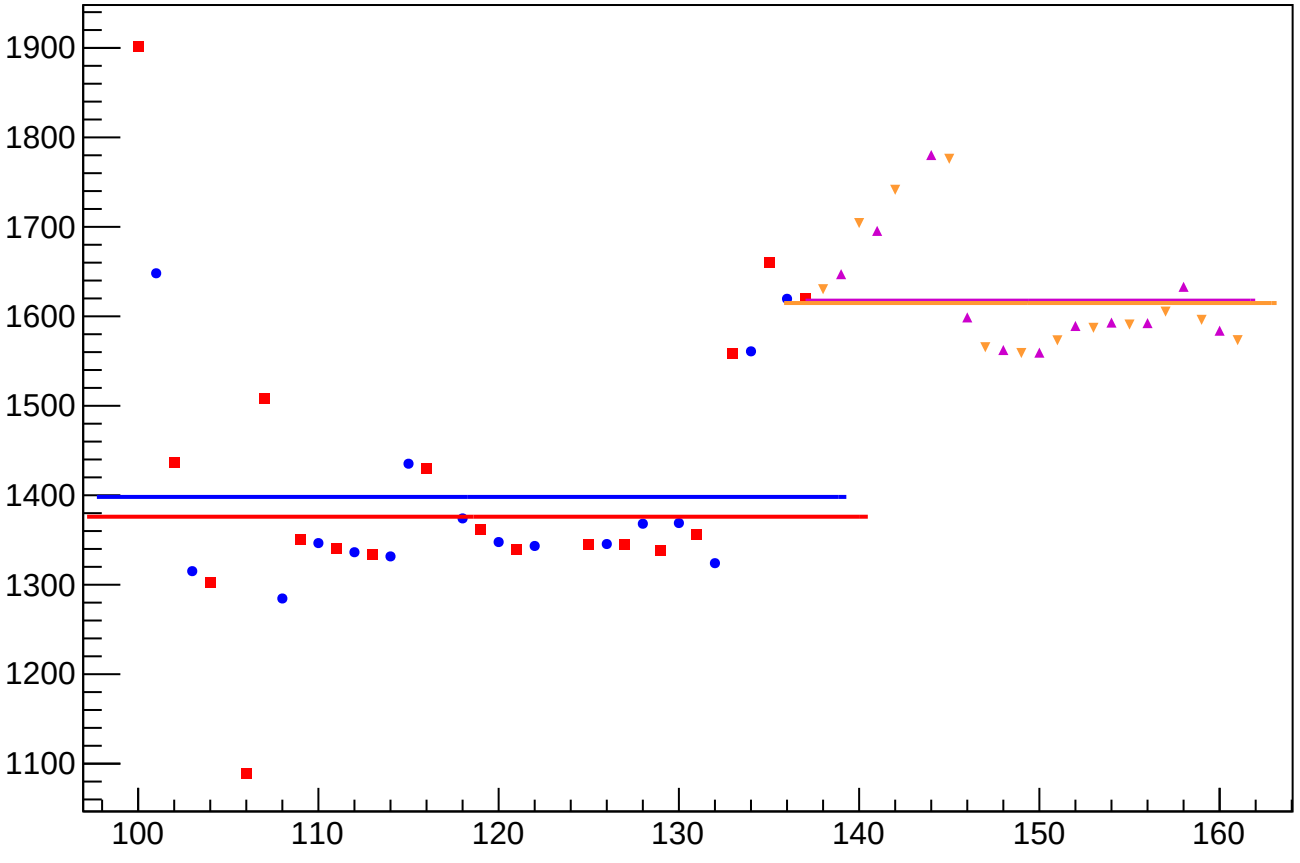
Left In: -2319.642+/-523.582 χ^2/NDF:10.0/10

+ sign 1506.943+/-369.464 χ^2/NDF: 33.0/27

All: -350.327+/-261.018 χ^2/NDF: 107.9/56

- sign -2201.002+/-368.808 χ^2/NDF: 24.5/28

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1614.871+/-0.370 χ^2/NDF:30120.3/11

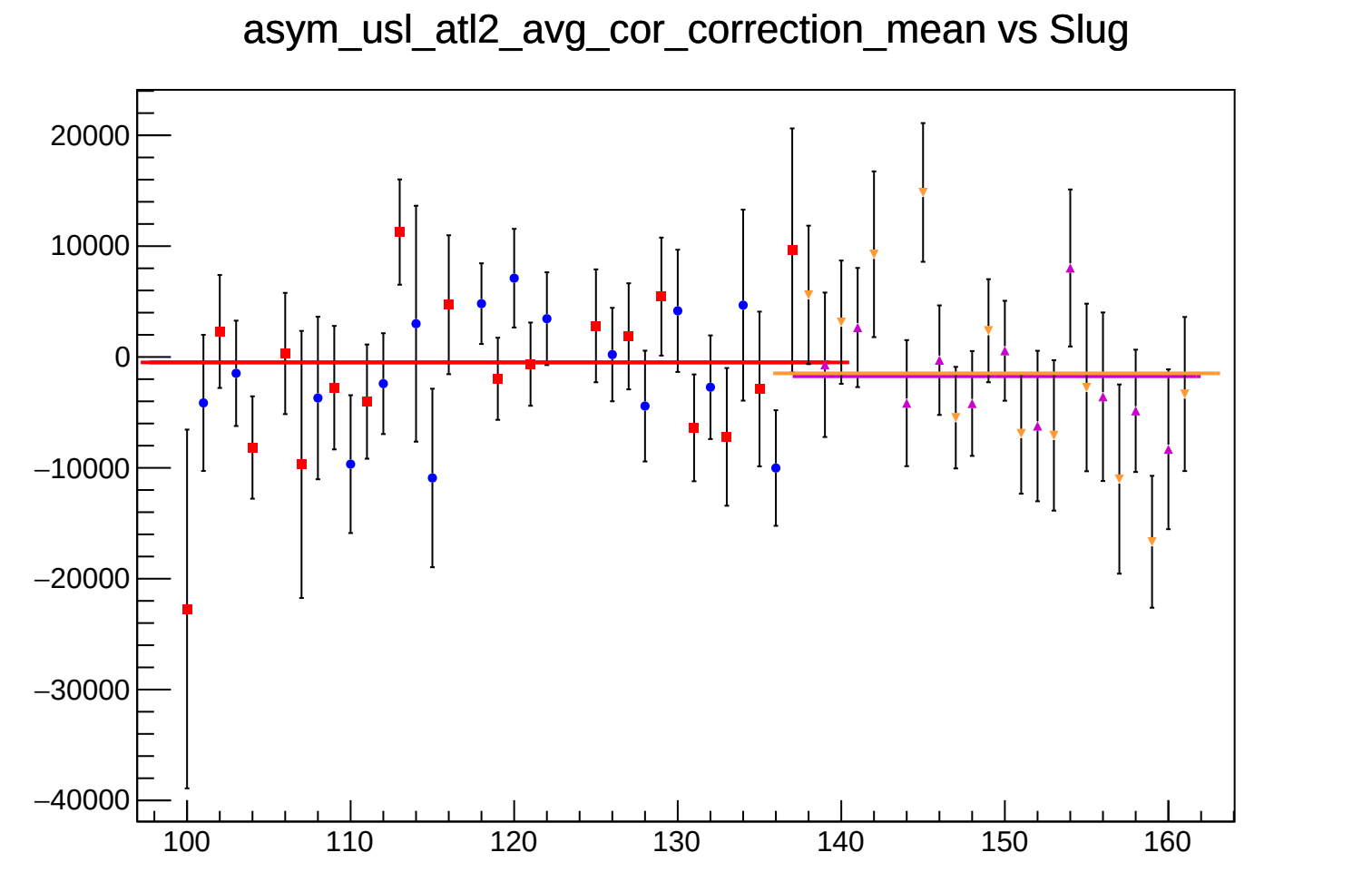
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1617.535+/-0.370 χ^2/NDF:26461.8/10

+ sign 1506.380+/-0.261 χ^2/NDF: 296065.7/27

All: 1500.257+/-0.184 χ^2/NDF: 654898.4/56

- sign 1494.238+/-0.259 χ^2/NDF: 357743.3/28



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1473.345+/-1737.687 χ^2/NDF:21.8/11

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

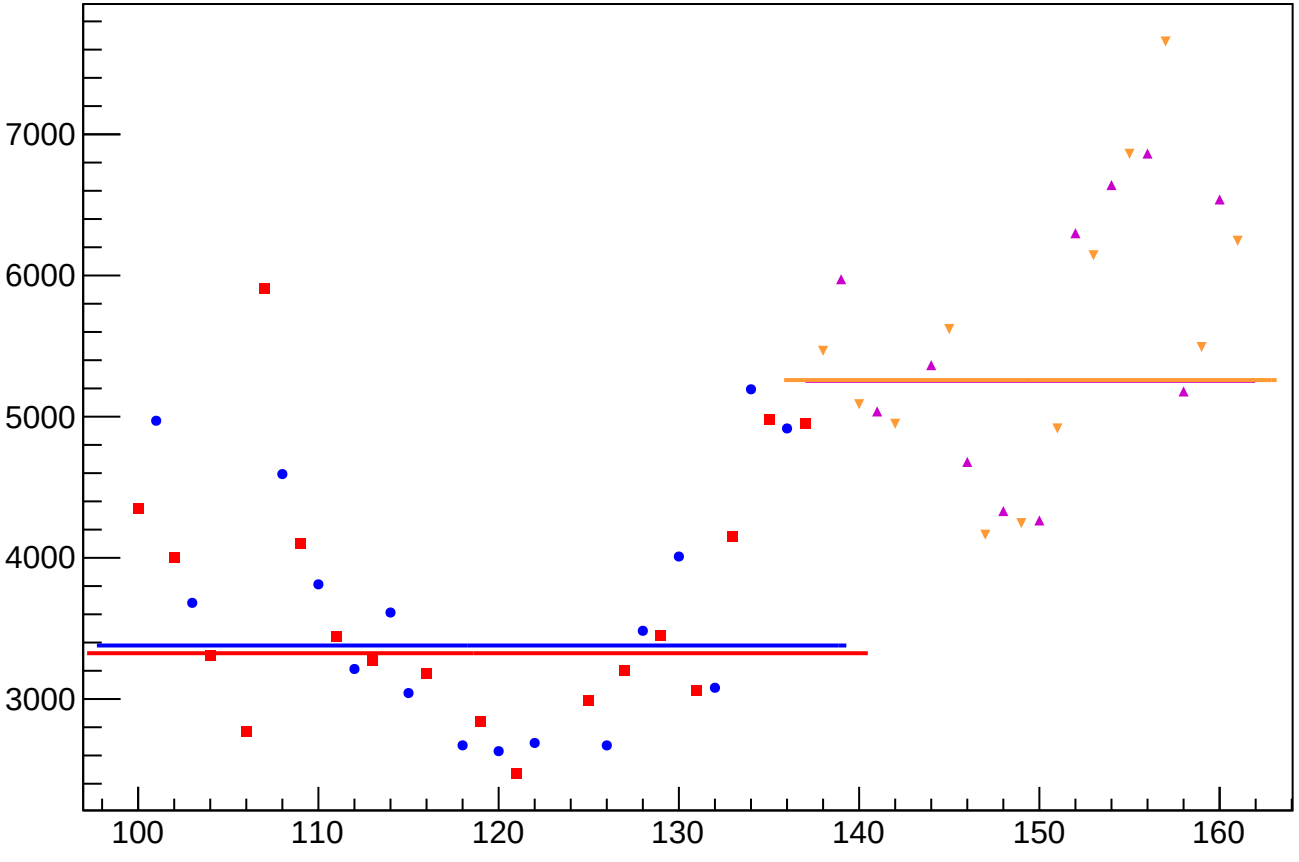
Left In: -1736.389+/-1727.745 χ^2/NDF:5.0/10

+ sign -838.892+/-1038.330 χ^2/NDF: 38.0/27

All: -881.445+/-727.182 χ^2/NDF: 62.1/56

- sign -922.407+/-1018.731 χ^2/NDF: 24.1/28

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5259.106+/-1.229 χ^2/NDF:556894.0/11

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

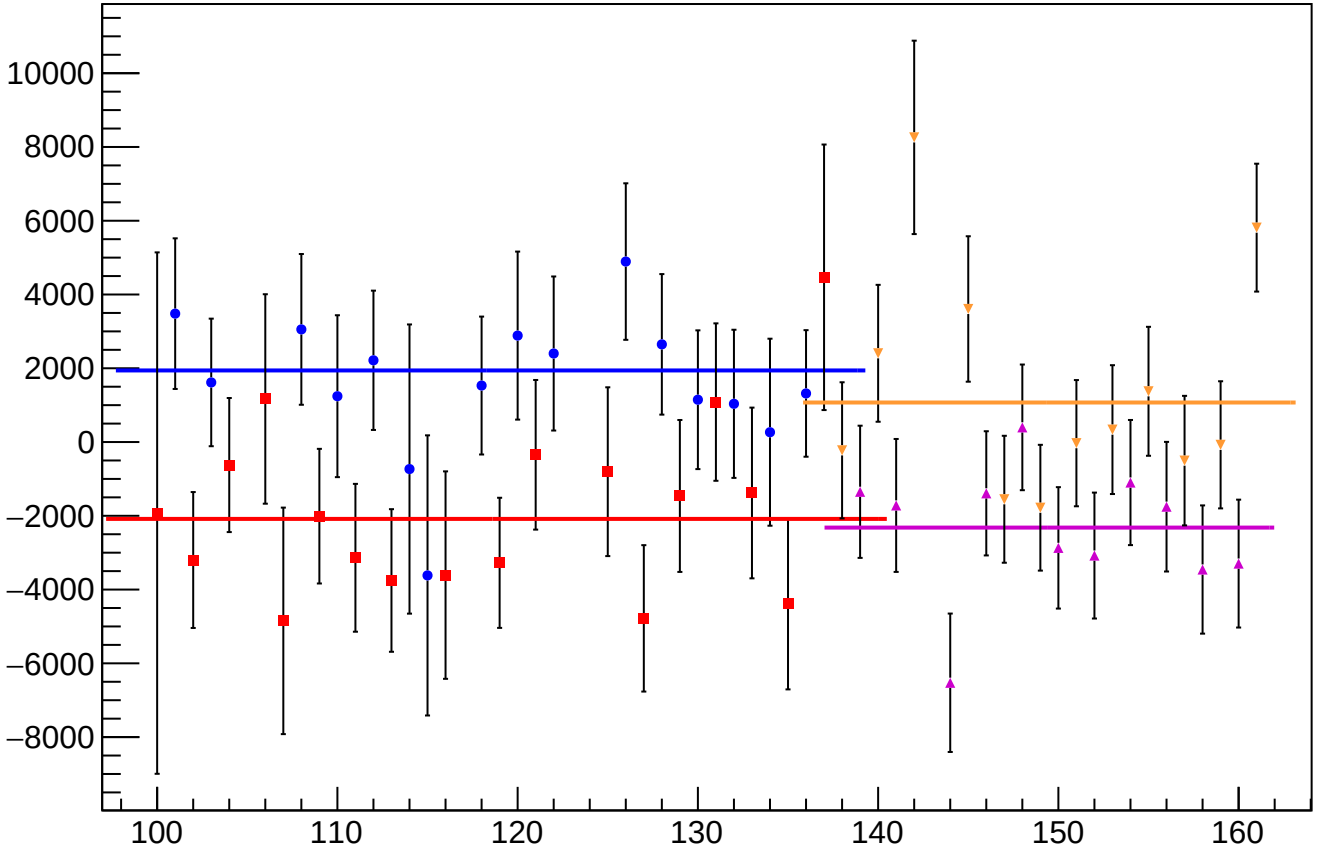
Left In: 5253.631+/-1.222 χ^2/NDF:505476.2/10

+ sign 4050.361+/-0.734 χ^2/NDF: 2817380.4/27

All: 4022.232+/-0.514 χ^2/NDF: 5496178.1/56

- sign 3995.156+/-0.720 χ^2/NDF: 2675917.0/28

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1071.765+/-522.830 χ^2/NDF:24.7/11

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

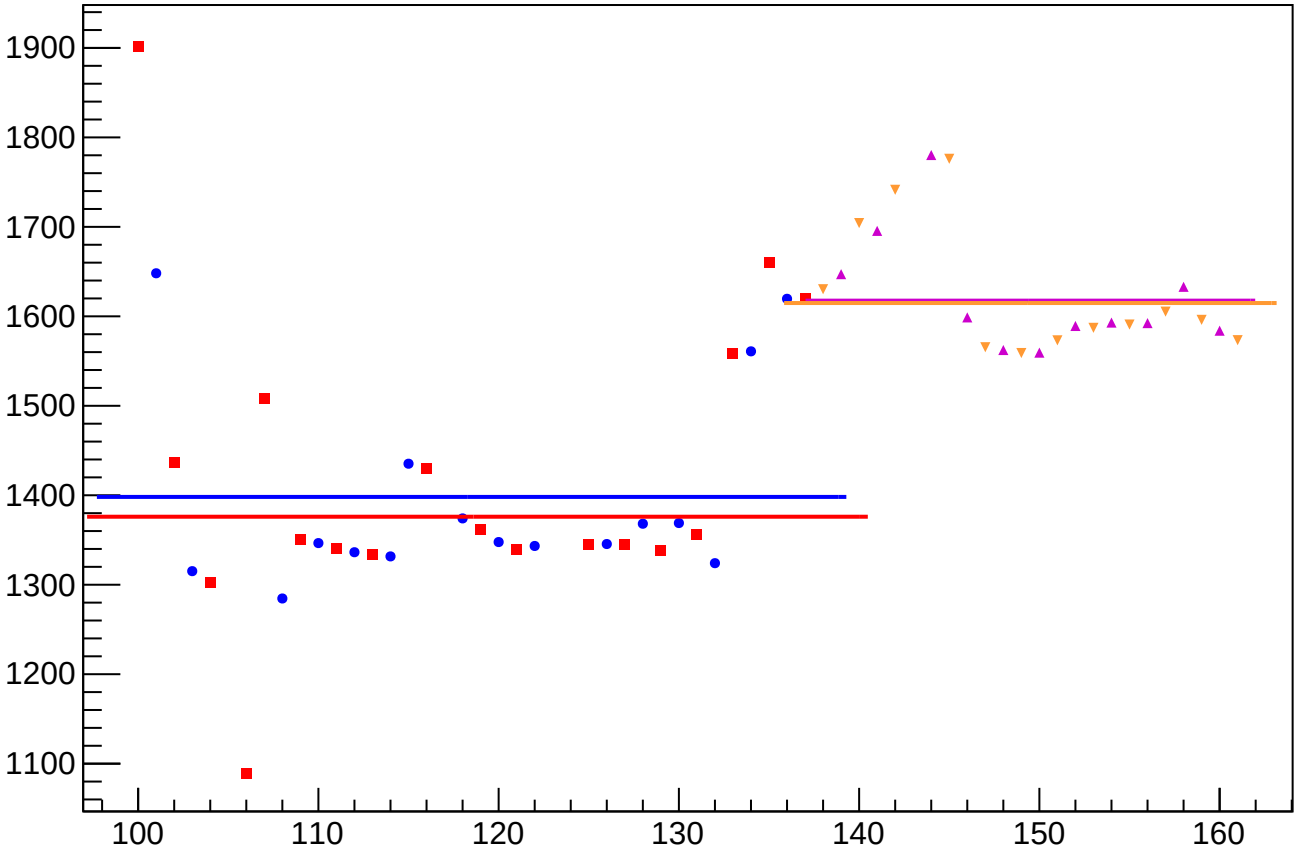
Left In: -2319.642+/-523.582 χ^2/NDF:10.0/10

+ sign 1506.943+/-369.464 χ^2/NDF: 33.0/27

All: -350.327+/-261.018 χ^2/NDF: 107.9/56

- sign -2201.002+/-368.808 χ^2/NDF: 24.5/28

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1614.871+/-0.370 χ^2/NDF:30120.3/11

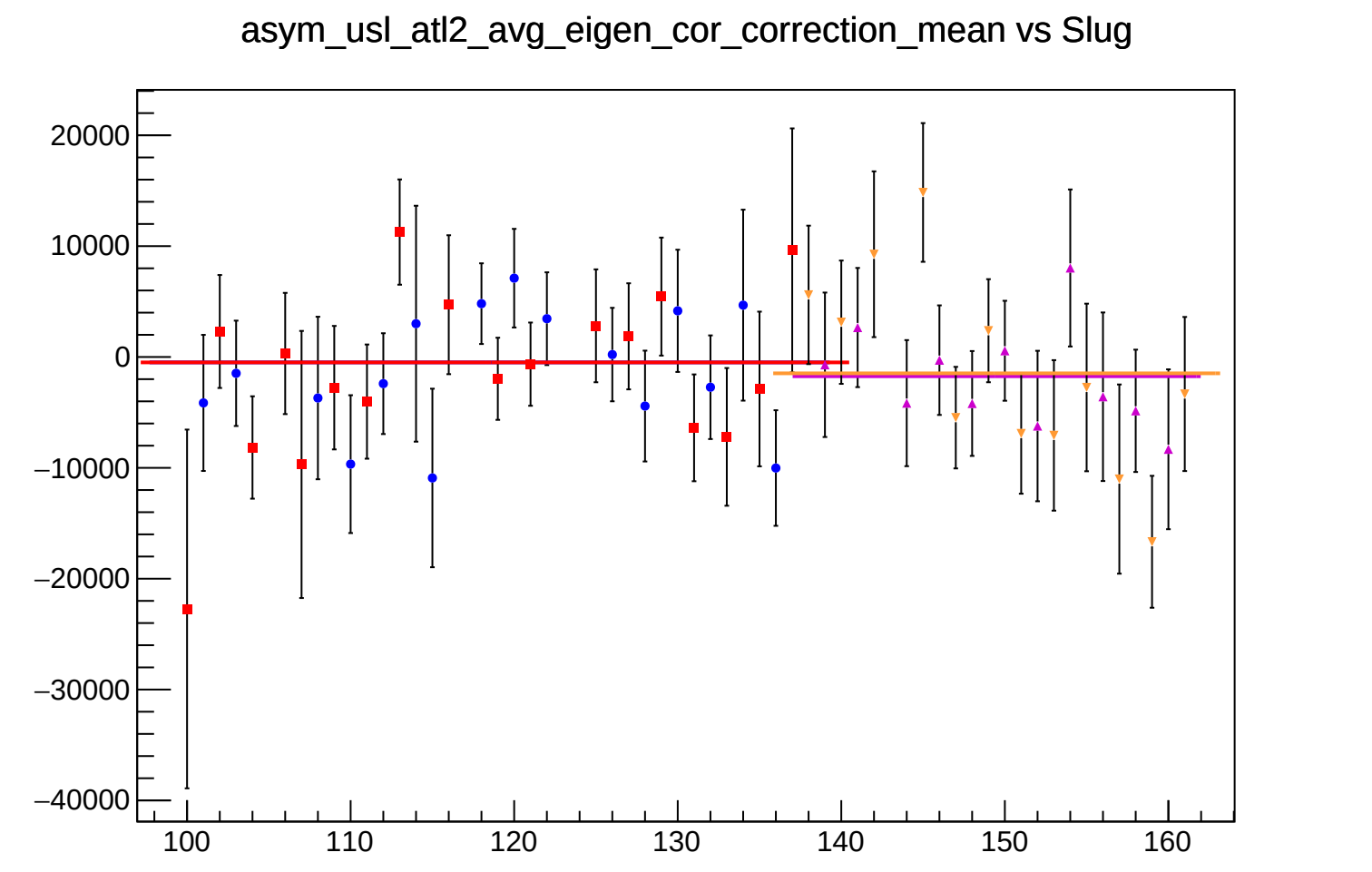
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1617.535+/-0.370 χ^2/NDF:26461.8/10

+ sign 1506.380+/-0.261 χ^2/NDF: 296065.7/27

All: 1500.257+/-0.184 χ^2/NDF: 654898.4/56

- sign 1494.238+/-0.259 χ^2/NDF: 357743.3/28



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1473.345+/-1737.687 χ^2/NDF:21.8/11

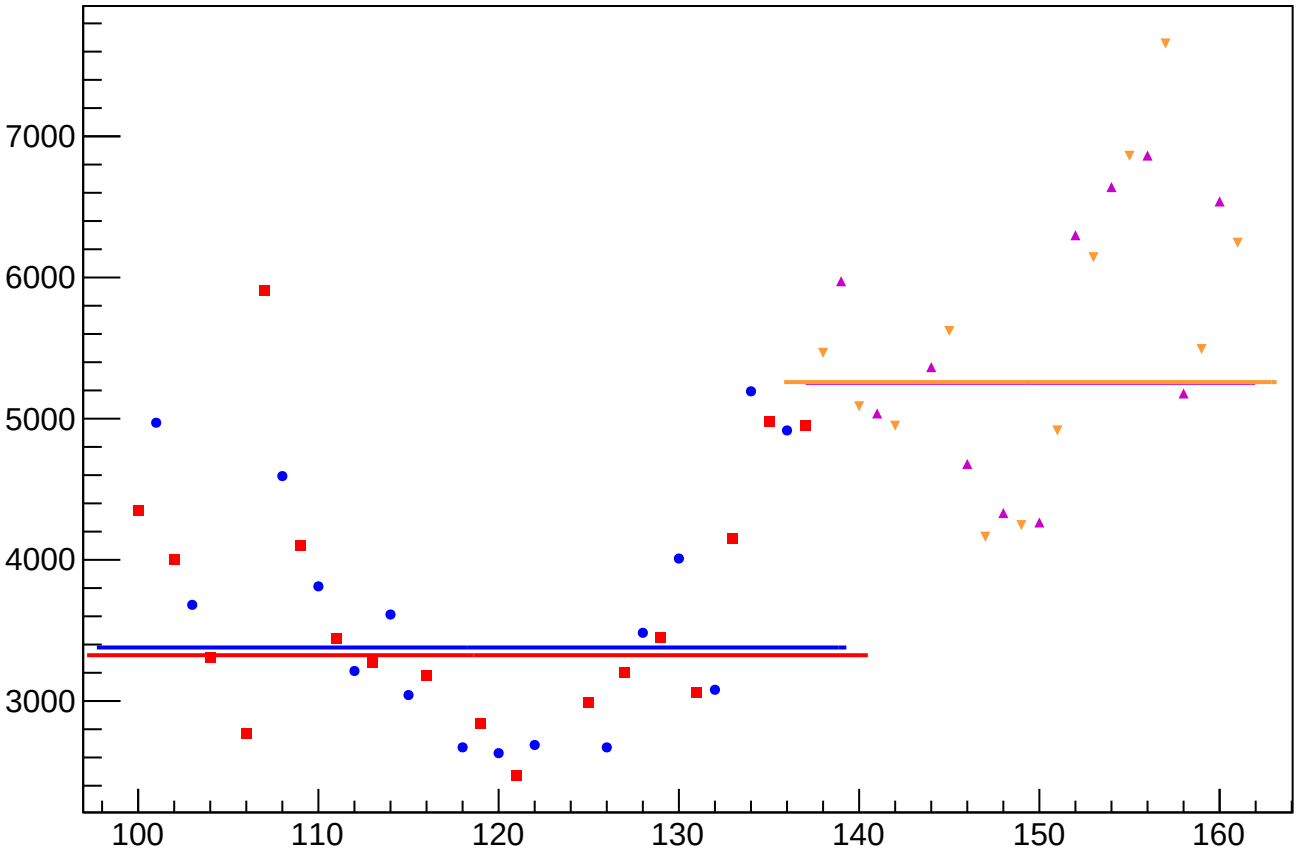
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1736.389+/-1727.745 χ^2/NDF:5.0/10

+ sign -838.892+/-1038.330 χ^2/NDF: 38.0/27

All: -881.445+/-727.182 χ^2/NDF: 62.1/56

- sign -922.407+/-1018.731 χ^2/NDF: 24.1/28



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5259.106+/-1.229 χ^2/NDF:556894.0/11

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

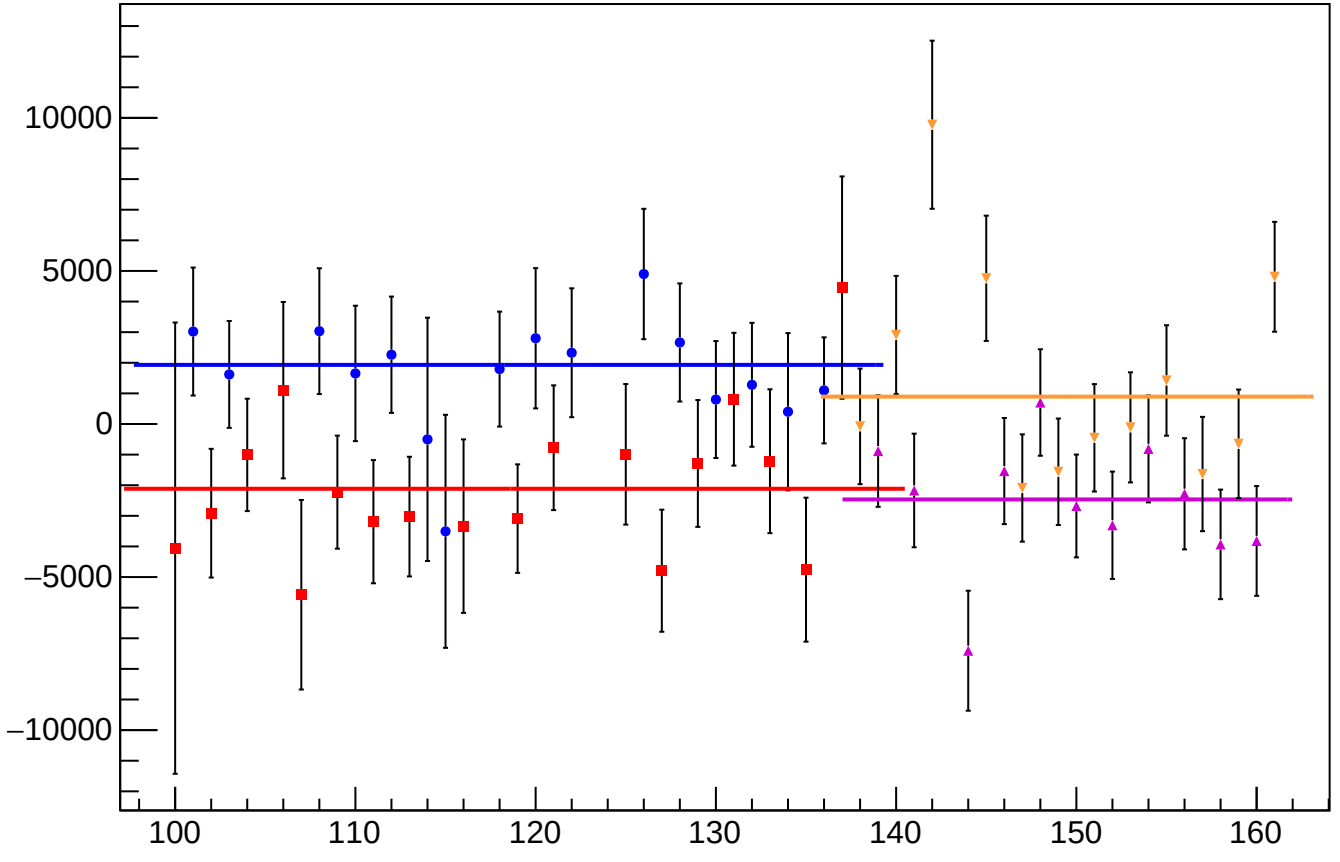
Left In: 5253.631+/-1.222 χ^2/NDF:505476.2/10

+ sign 4050.361+/-0.734 χ^2/NDF: 2817380.4/27

All: 4022.232+/-0.514 χ^2/NDF: 5496178.1/56

- sign 3995.156+/-0.720 χ^2/NDF: 2675917.0/28

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 894.472+/-539.690 χ^2/NDF:28.6/11

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

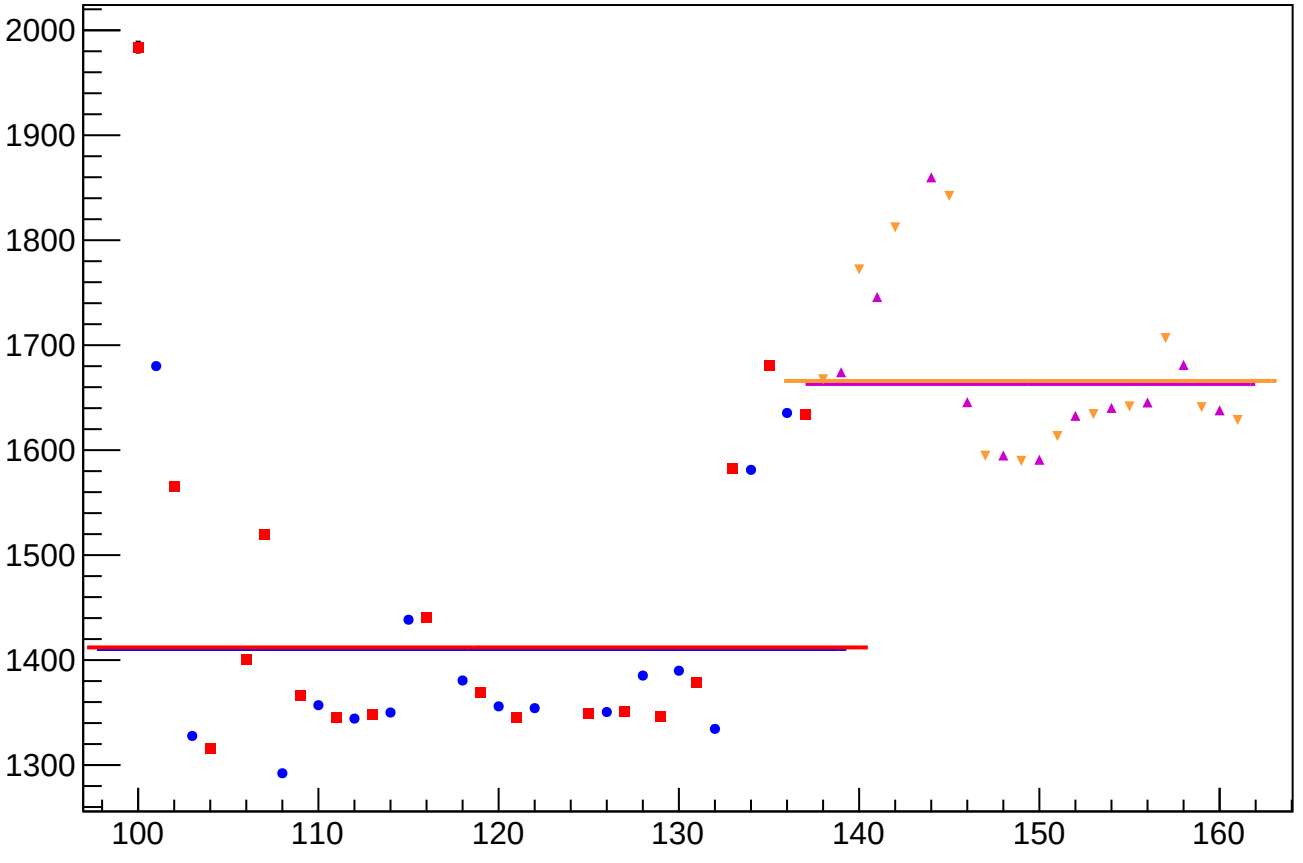
Left In: -2465.129+/-538.435 χ^2/NDF:13.1/10

+ sign 1425.206+/-377.101 χ^2/NDF: 36.9/27

All: -430.023+/-266.714 χ^2/NDF: 111.9/56

- sign -2287.004+/-377.279 χ^2/NDF: 26.6/28

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1665.932+/-0.382 χ^2/NDF:38712.0/11

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

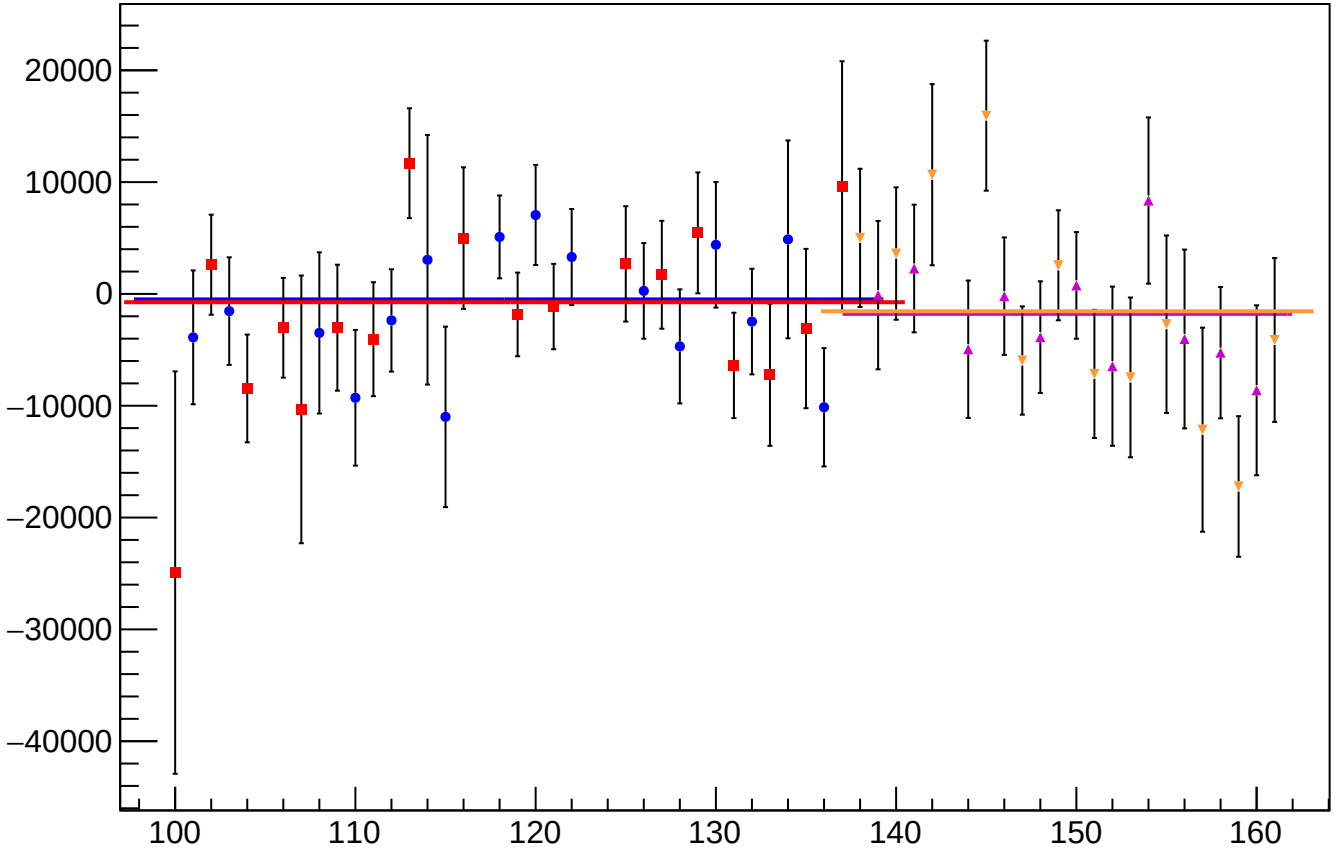
Left In: 1663.042+/-0.381 χ^2/NDF:32916.7/10

+ sign 1535.259+/-0.267 χ^2/NDF: 366968.9/27

All: 1535.102+/-0.188 χ^2/NDF: 711392.8/56

- sign 1534.944+/-0.266 χ^2/NDF: 344423.2/28

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -1551.734+/-1831.910 χ^2/NDF:21.8/11

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

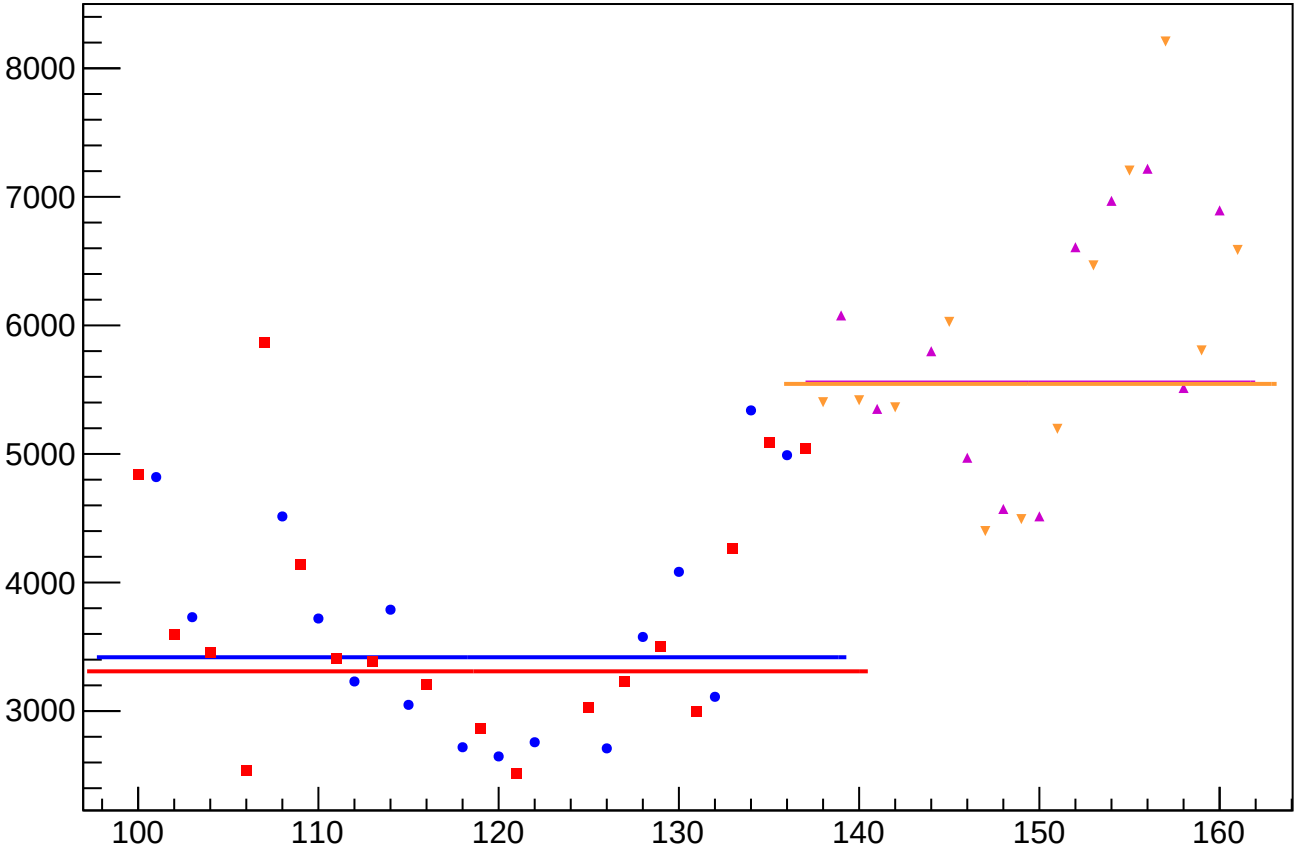
Left In: -1777.805+/-1825.957 χ^2/NDF:4.9/10

+ sign -848.365+/-1064.875 χ^2/NDF: 37.9/27

All: -963.264+/-740.456 χ^2/NDF: 62.2/56

- sign -1070.824+/-1030.306 χ^2/NDF: 24.3/28

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5545.051+/-1.295 χ^2/NDF:559111.6/11

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

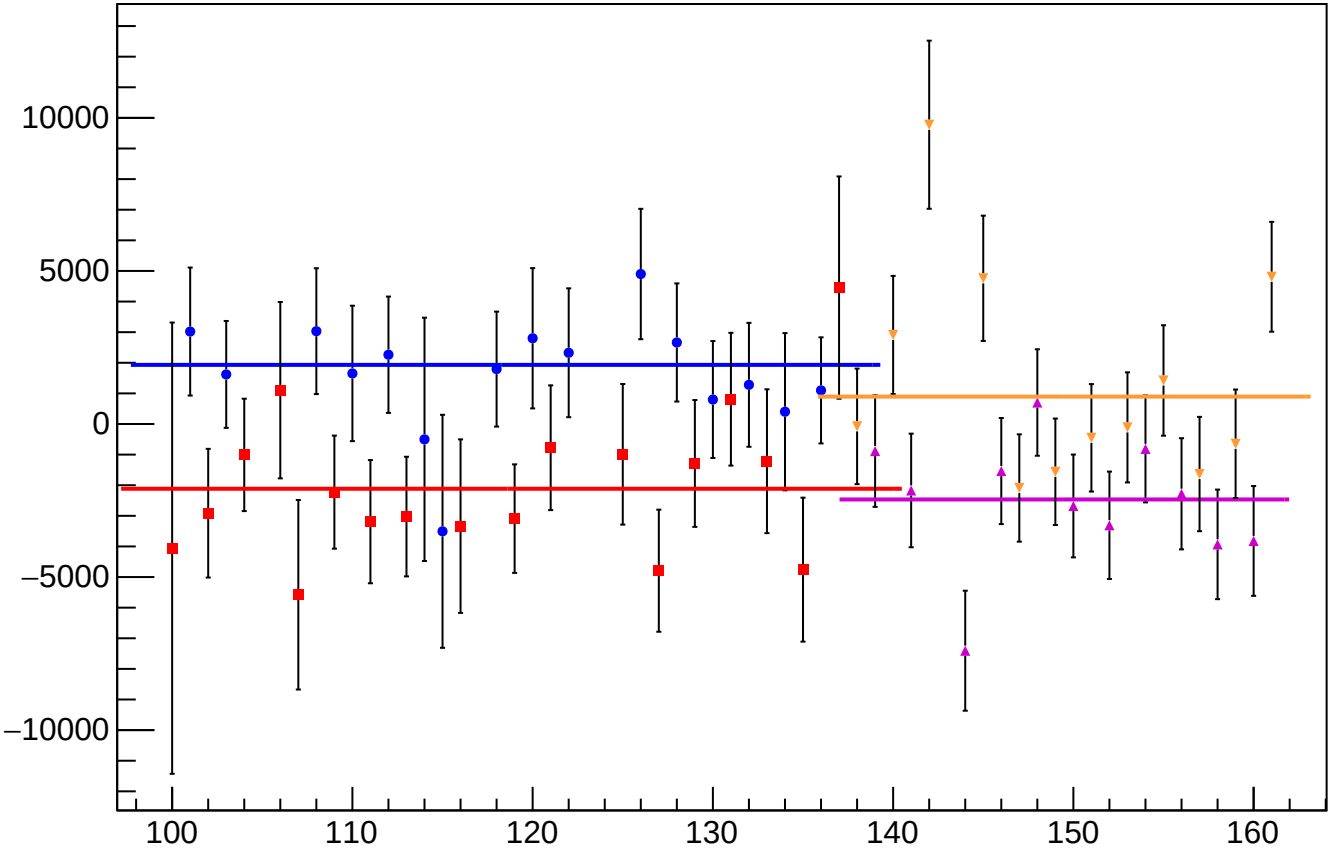
Left In: 5555.618+/-1.291 χ^2/NDF:480448.8/10

+ sign 4137.197+/-0.753 χ^2/NDF: 3064407.5/27

All: 4078.919+/-0.524 χ^2/NDF: 6191890.5/56

- sign 4024.364+/-0.729 χ^2/NDF: 3115885.4/28

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 894.466+/-539.690 χ^2/NDF:28.6/11

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

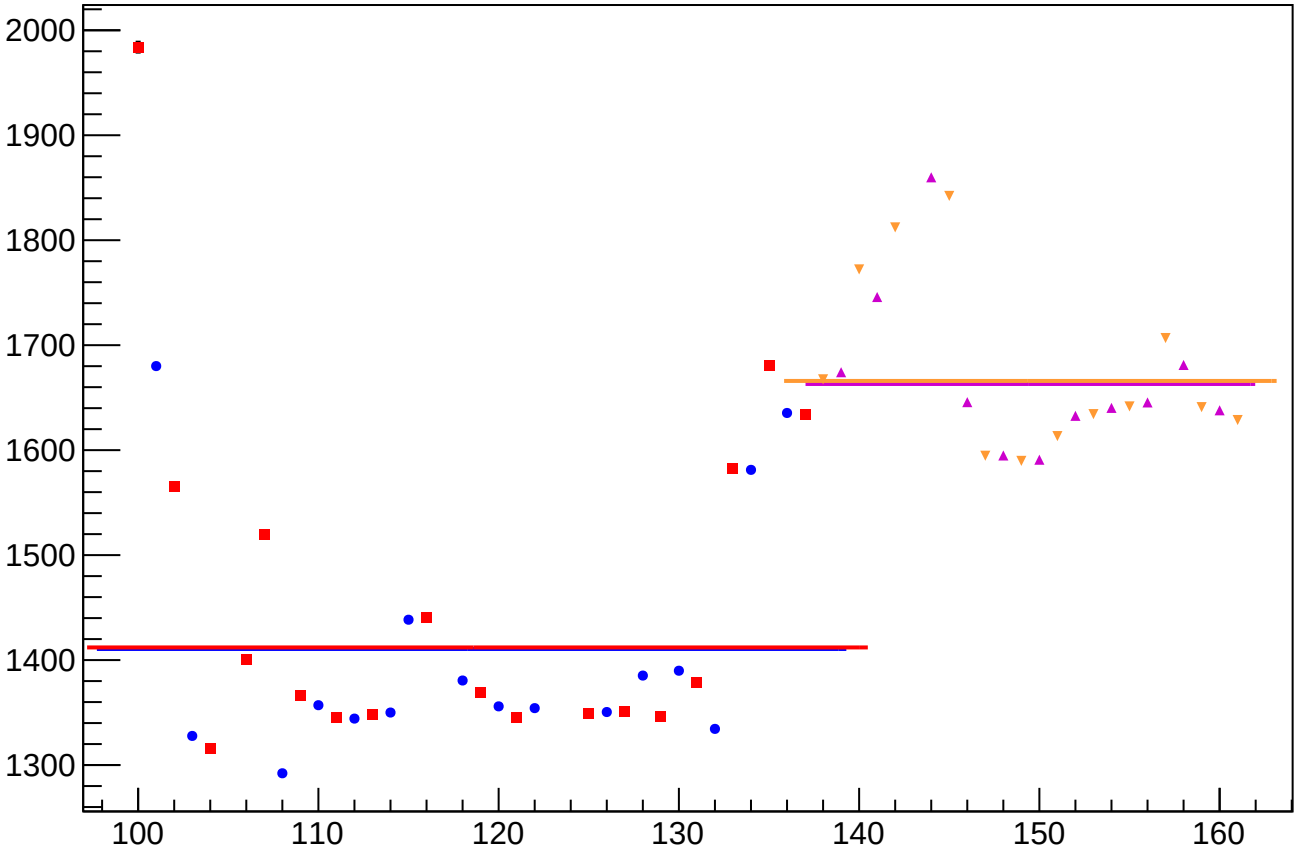
Left In: -2465.131+/-538.436 χ^2/NDF:13.1/10

+ sign 1425.205+/-377.101 χ^2/NDF: 36.9/27

All: -430.024+/-266.714 χ^2/NDF: 111.9/56

- sign -2287.005+/-377.279 χ^2/NDF: 26.6/28

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1665.933+/-0.382 χ^2/NDF:38712.8/11

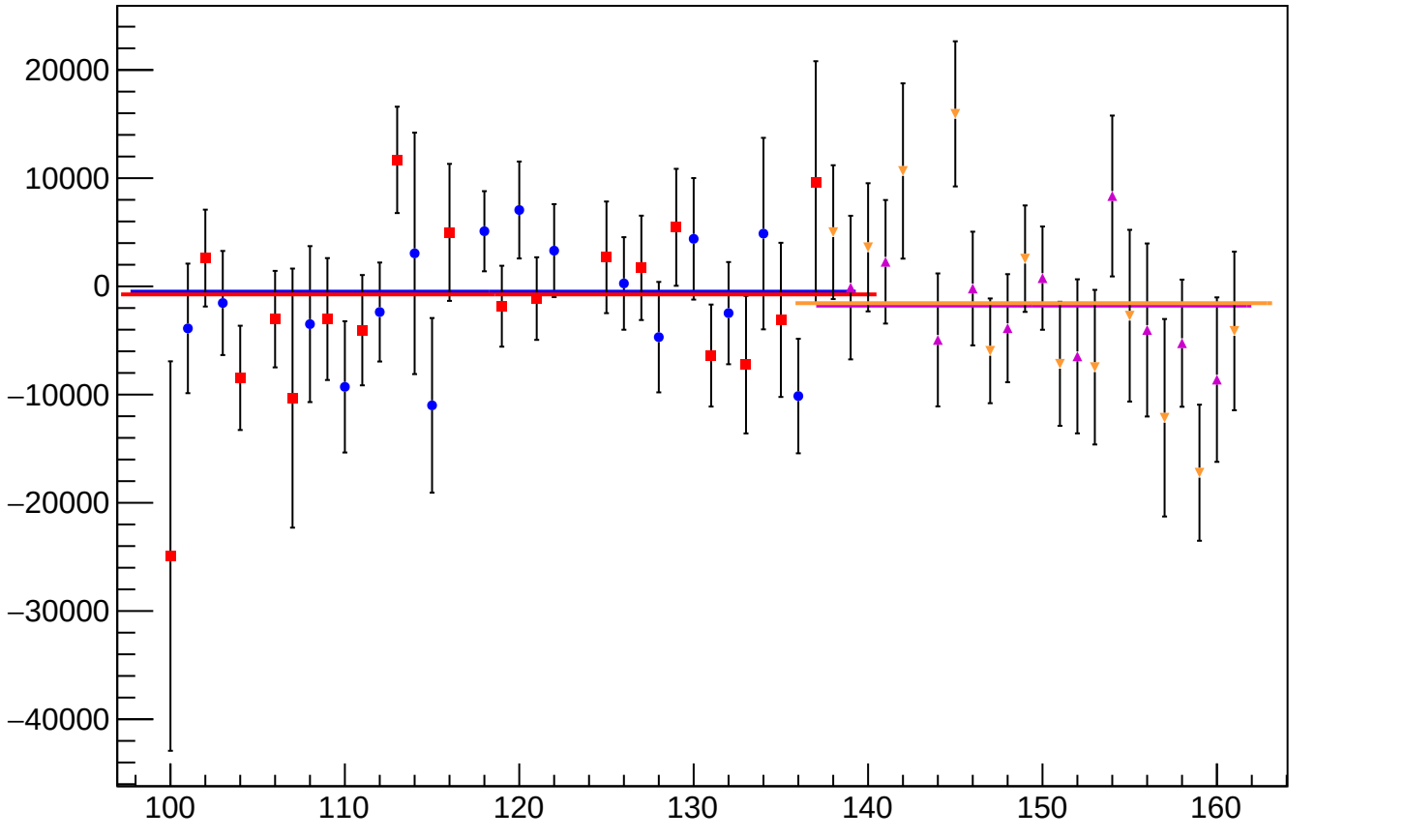
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1663.043+/-0.381 χ^2/NDF:32917.1/10

+ sign 1535.260+/-0.267 χ^2/NDF: 366971.8/27

All: 1535.102+/-0.188 χ^2/NDF: 711398.8/56

- sign 1534.945+/-0.266 χ^2/NDF: 344426.3/28



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -1551.743+/-1831.912 χ^2/NDF:21.8/11

Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

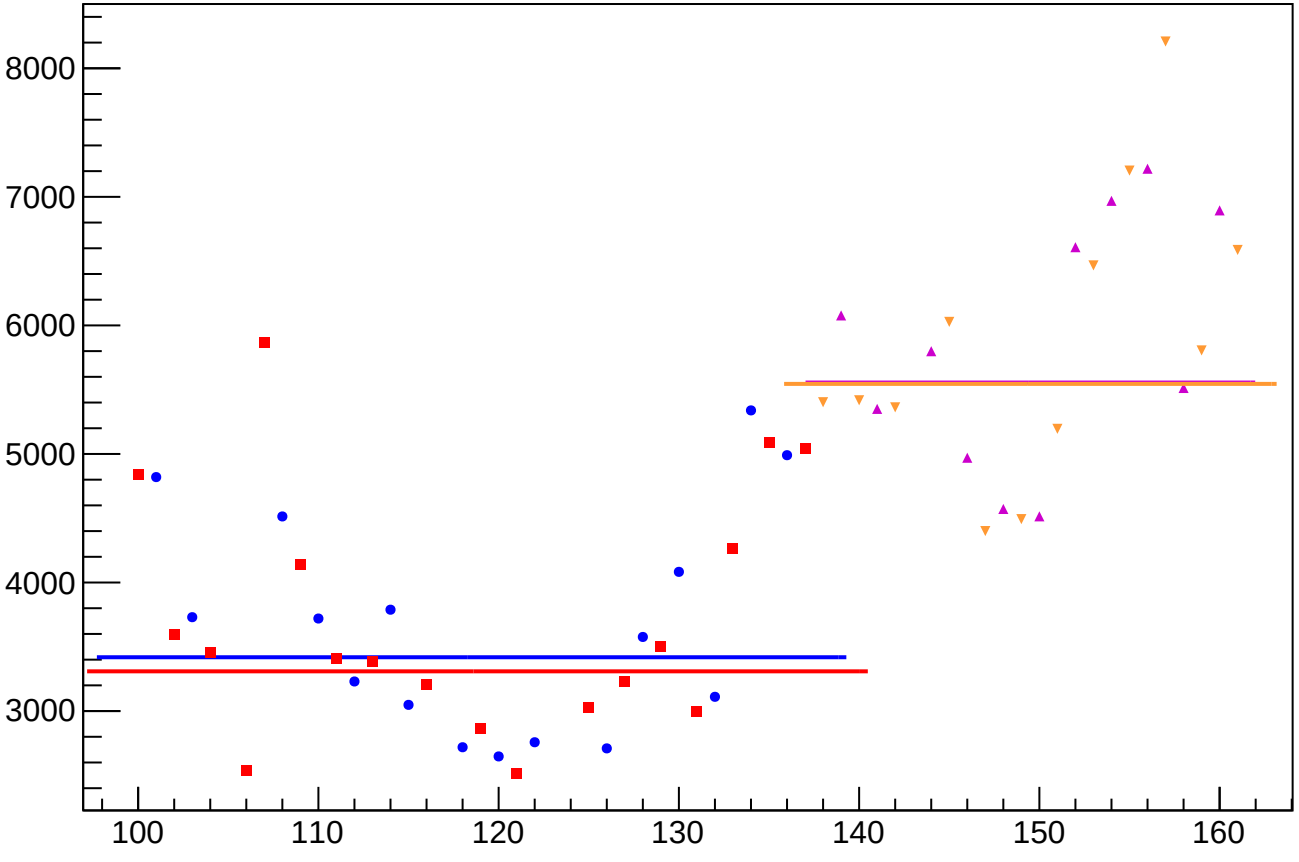
Left In: -1777.807+/-1825.959 χ^2/NDF:4.9/10

+ sign -848.361+/-1064.874 χ^2/NDF: 37.9/27

All: -963.262+/-740.455 χ^2/NDF: 62.2/56

- sign -1070.824+/-1030.304 χ^2/NDF: 24.3/28

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5545.058+/-1.295 χ^2/NDF:559114.1/11

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

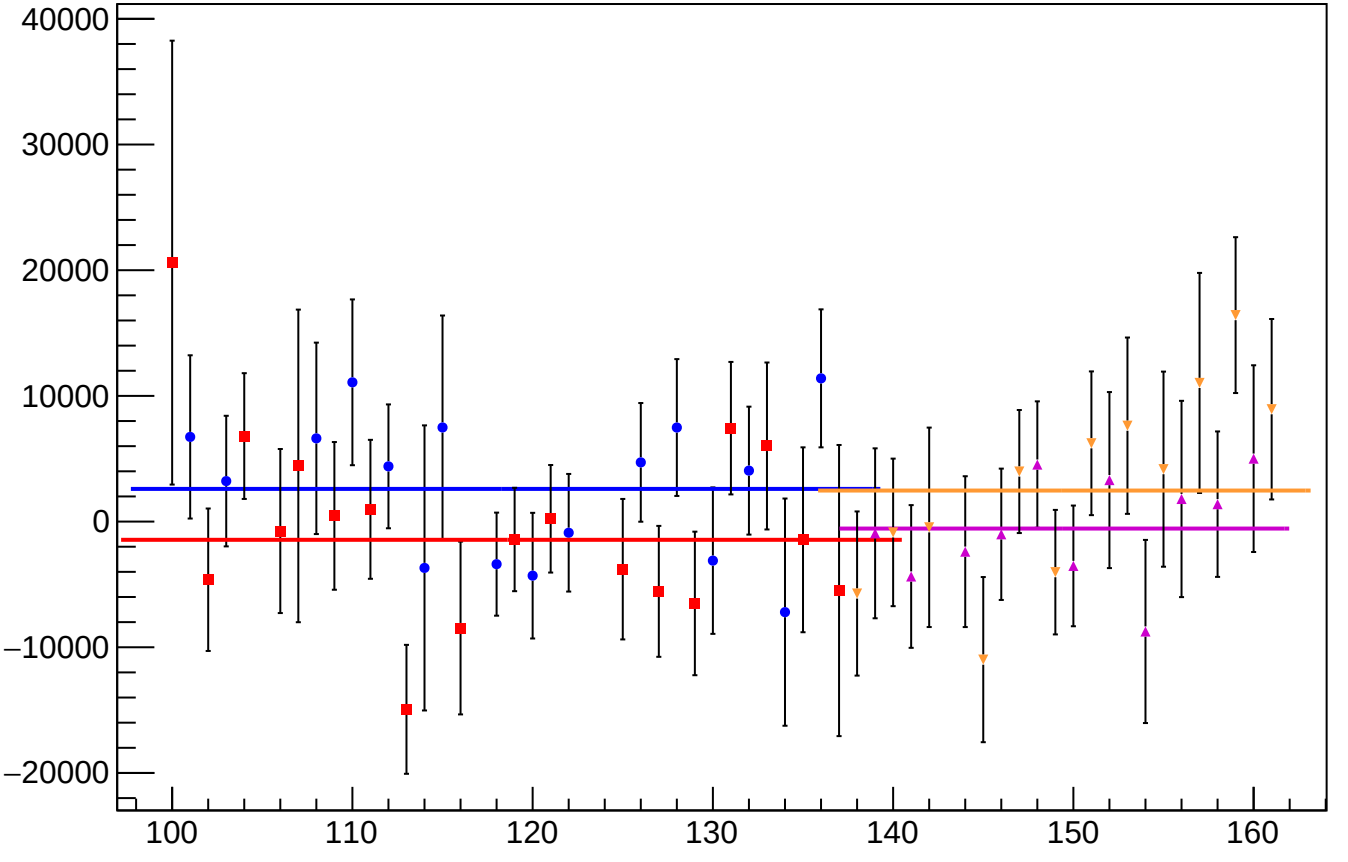
Left In: 5555.624+/-1.291 χ^2/NDF:480451.3/10

+ sign 4137.187+/-0.753 χ^2/NDF: 3064449.4/27

All: 4078.910+/-0.524 χ^2/NDF: 6191969.5/56

- sign 4024.355+/-0.729 χ^2/NDF: 3115922.5/28

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2469.681+/-1825.815 χ^2/NDF:15.9/11

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

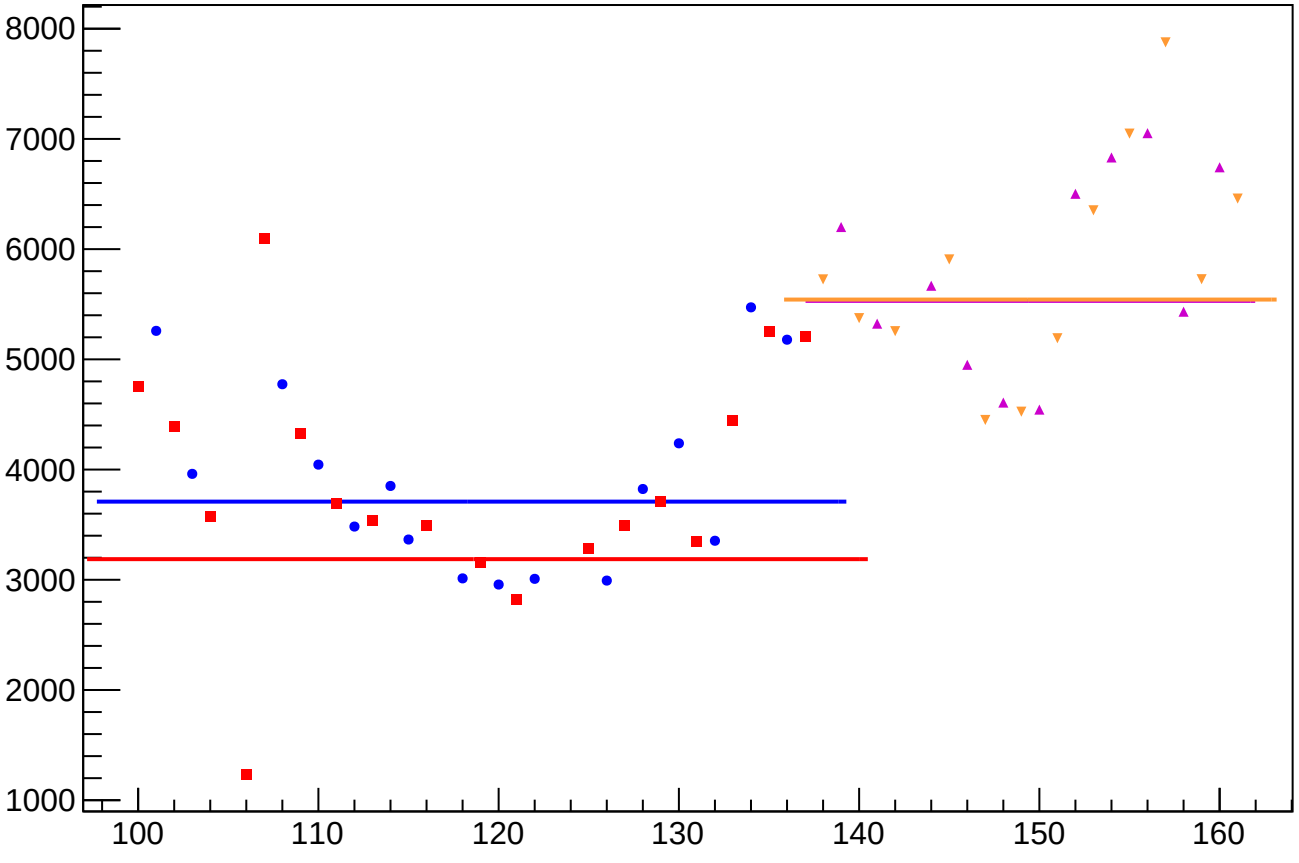
Left In: -555.468+/-1814.222 χ^2/NDF:4.3/10

+ sign 2550.884+/-1118.192 χ^2/NDF: 29.4/27

All: 684.178+/-784.089 χ^2/NDF: 58.3/56

- sign -1121.547+/-1099.776 χ^2/NDF: 23.5/28

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5542.475+/-1.291 χ^2/NDF:481906.6/11

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

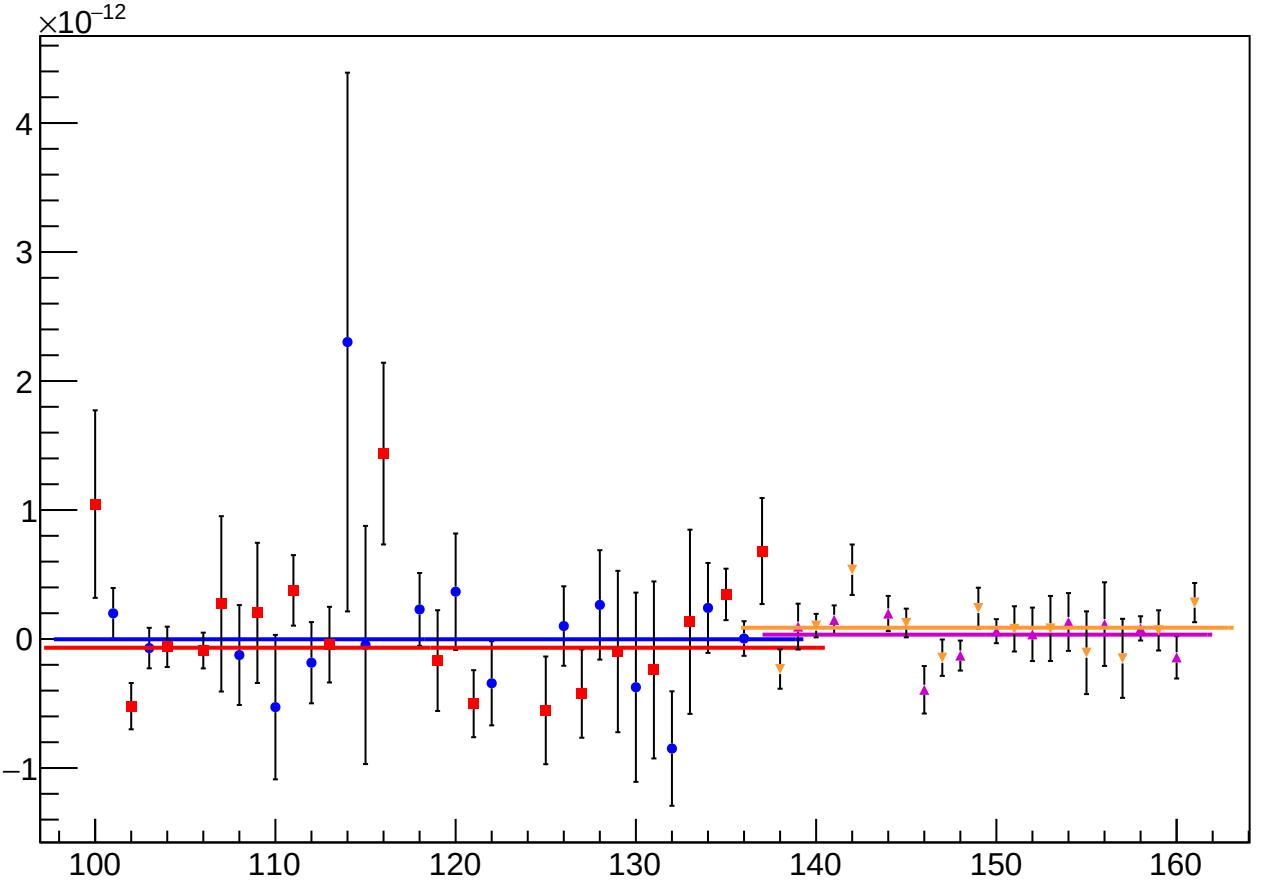
Left In: 5530.247+/-1.283 χ^2/NDF:431799.7/10

+ sign 4396.787+/-0.791 χ^2/NDF: 2352691.3/27

All: 4159.553+/-0.538 χ^2/NDF: 6805828.9/56

- sign 3954.929+/-0.734 χ^2/NDF: 4285466.8/28

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:16.1/11

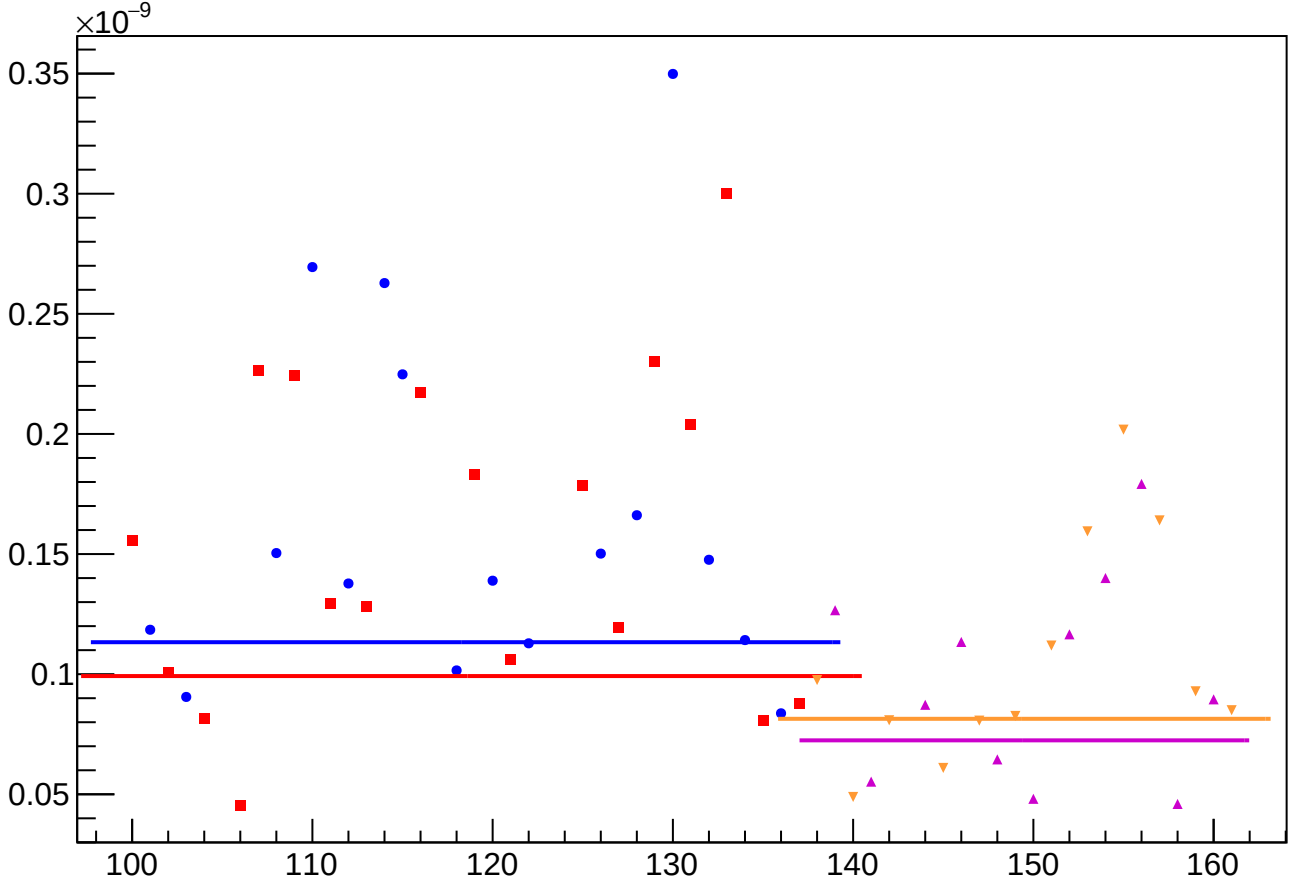
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:11.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 28.4/27

All: 0.000+/-0.000 χ^2/NDF: 72.5/56

- sign 0.000+/-0.000 χ^2/NDF: 42.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1036556.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

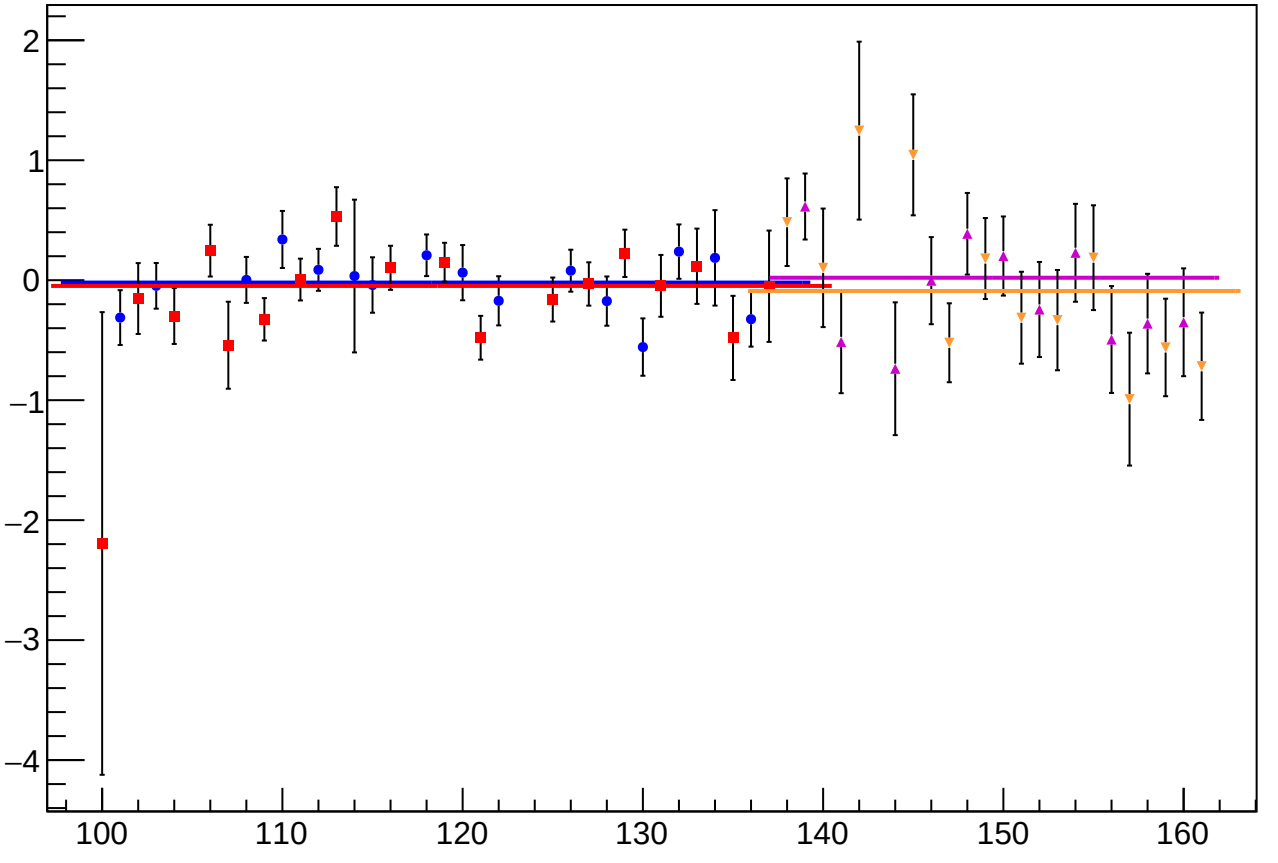
Left In: 0.000+/-0.000 χ^2/NDF:1170347.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 1986810.6/27

All: 0.000+/-0.000 χ^2/NDF: 4578026.7/56

- sign 0.000+/-0.000 χ^2/NDF: 2509192.8/28

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: -0.090+/-0.122 χ^2/NDF:20.3/11

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

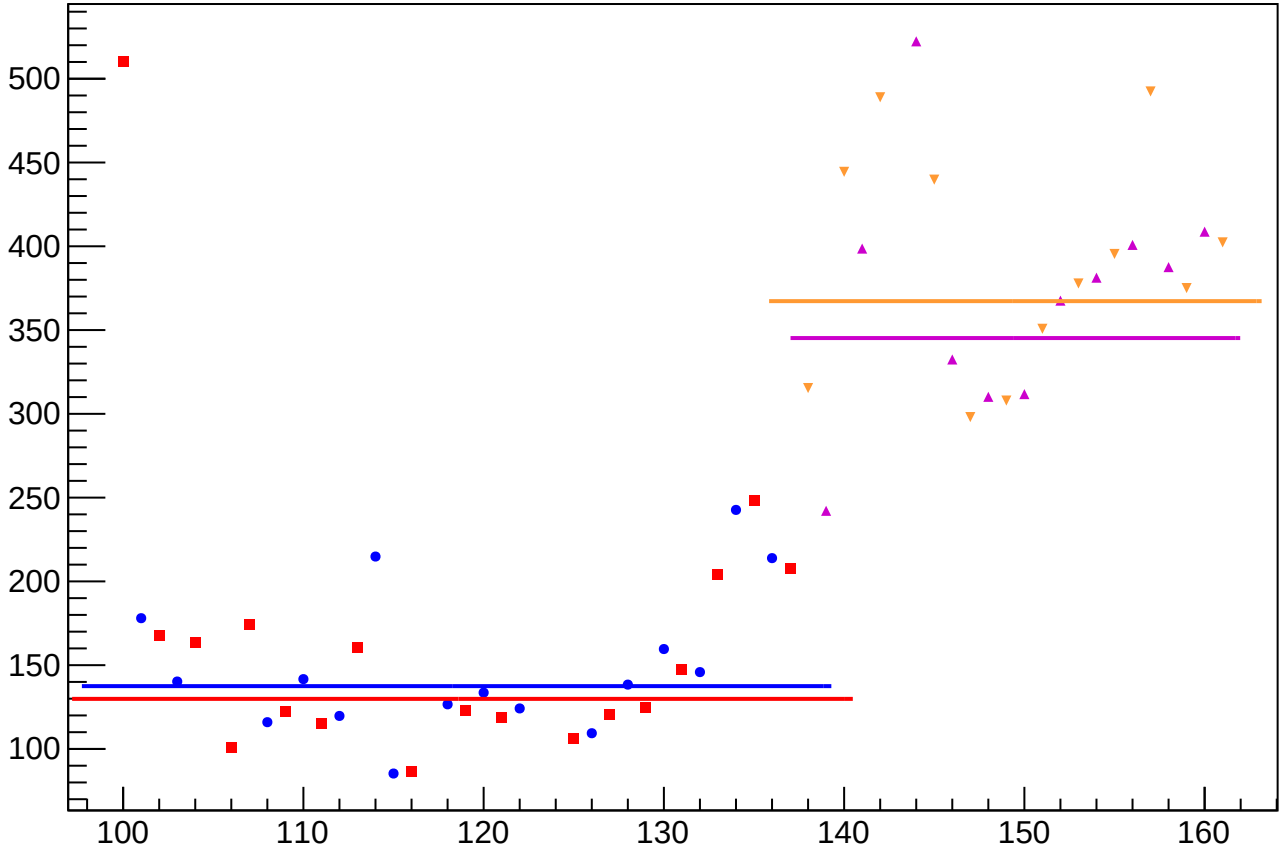
Left In: 0.021+/-0.115 χ^2/NDF:13.1/10

+ sign -0.031+/-0.050 χ^2/NDF: 36.6/27

All: -0.034+/-0.034 χ^2/NDF: 76.4/56

- sign -0.036+/-0.048 χ^2/NDF: 39.7/28

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: 367.262+/-0.086 χ^2/NDF:463137.5/11

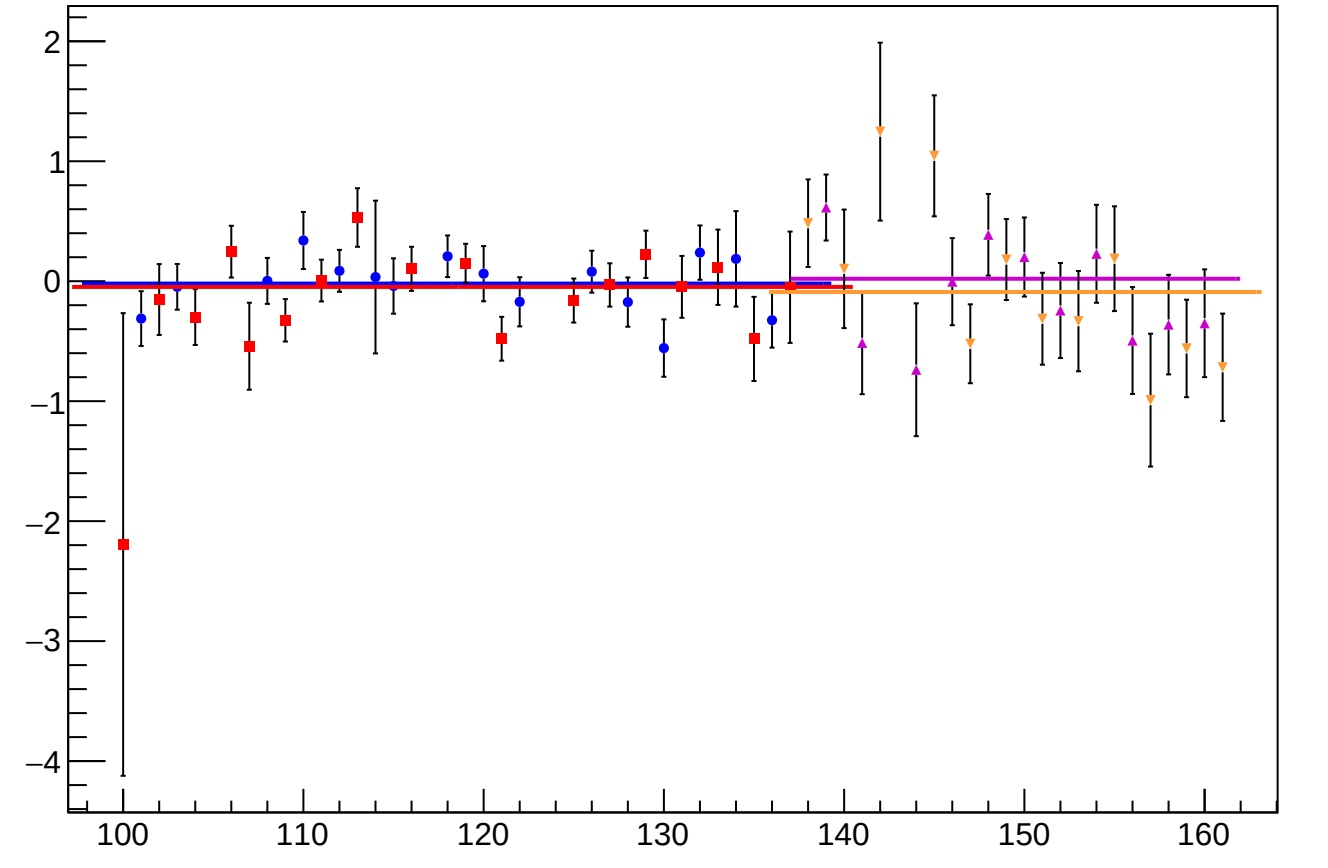
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 345.230+/-0.081 χ^2/NDF:674999.8/10

+ sign 175.500+/-0.035 χ^2/NDF: 7100415.1/27

All: 171.090+/-0.024 χ^2/NDF: 14438589.6/56

- sign 166.988+/-0.034 χ^2/NDF: 7307559.6/28



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.090+/-0.122 χ^2/NDF:20.3/11

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

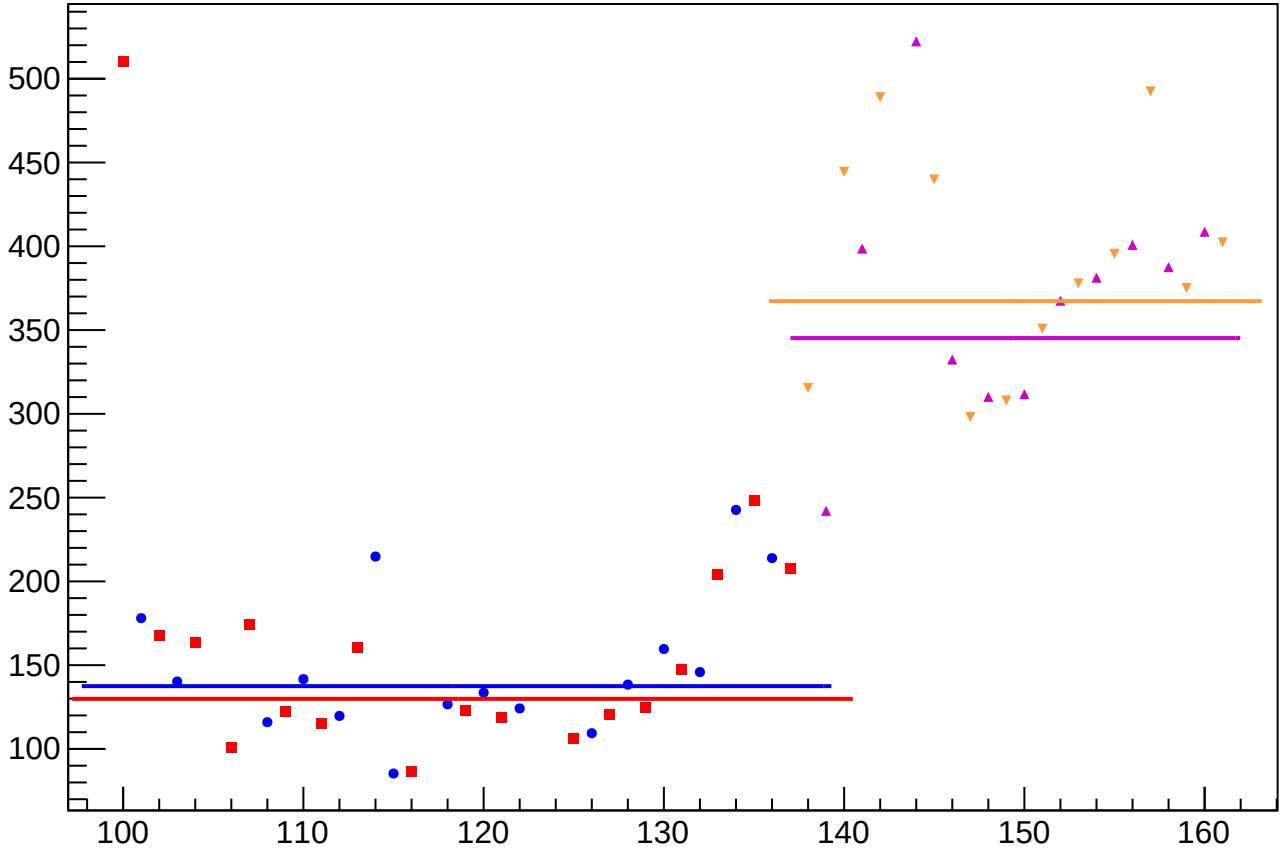
Left In: 0.021+/-0.115 χ^2/NDF:13.1/10

+ sign -0.031+/-0.050 χ^2/NDF: 36.6/27

All: -0.034+/-0.034 χ^2/NDF: 76.4/56

- sign -0.036+/-0.048 χ^2/NDF: 39.7/28

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 367.262+/-0.086 χ^2/NDF:463137.5/11

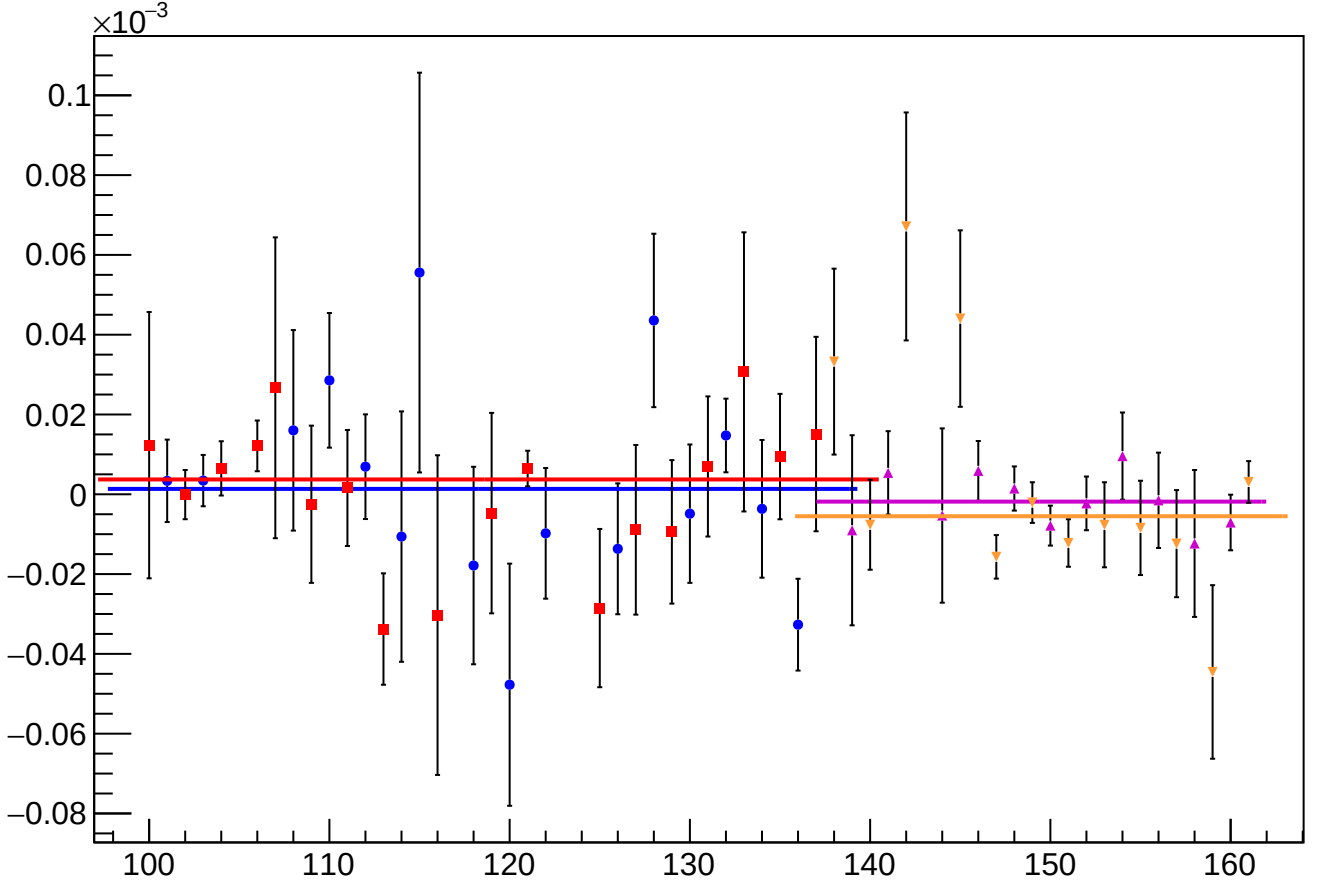
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 345.230+/-0.081 χ^2/NDF:674999.8/10

+ sign 175.500+/-0.035 χ^2/NDF: 7100415.1/27

All: 171.090+/-0.024 χ^2/NDF: 14438589.6/56

- sign 166.988+/-0.034 χ^2/NDF: 7307559.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/11

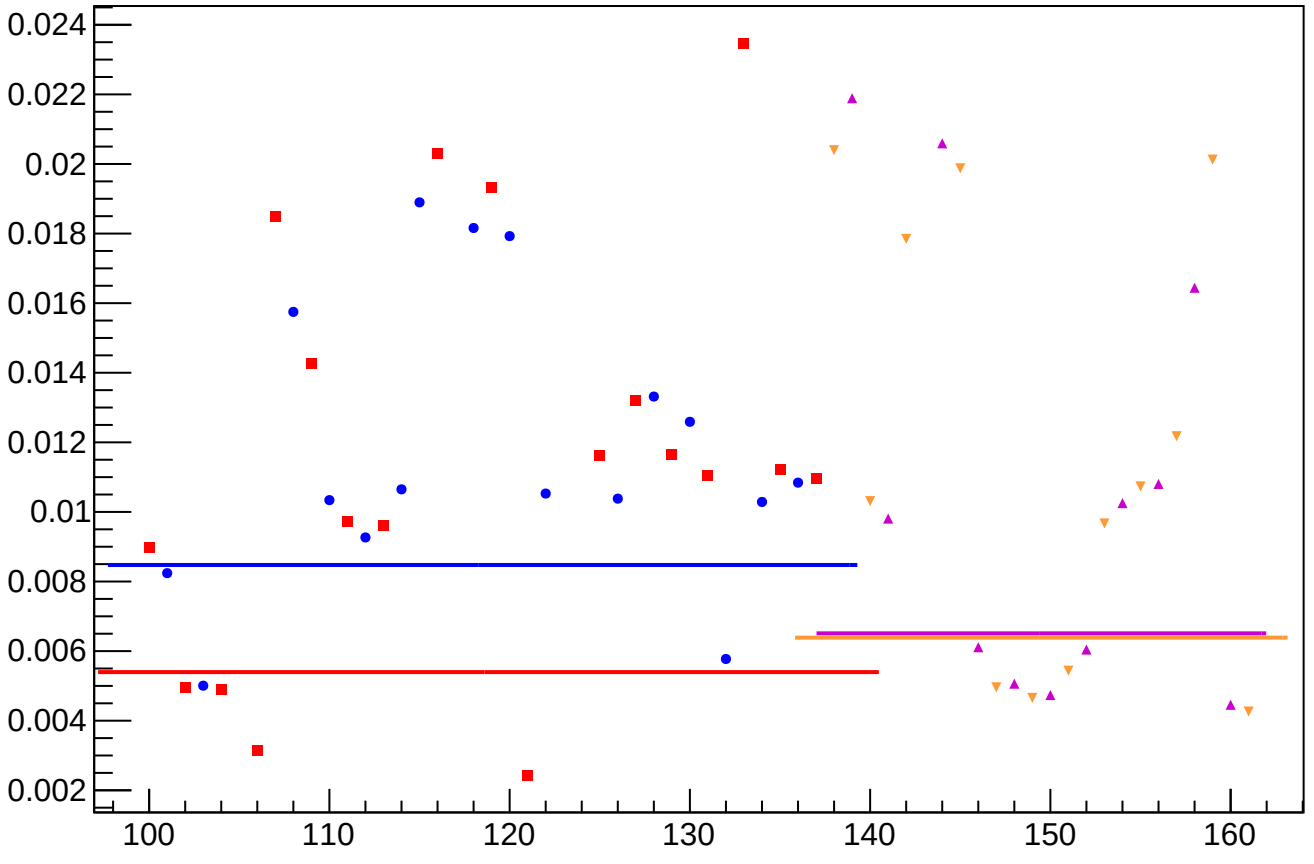
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:5.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 52.4/27

All: -0.000+/-0.000 χ^2/NDF: 78.5/56

- sign 0.000+/-0.000 χ^2/NDF: 23.7/28



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:4410100.5/11

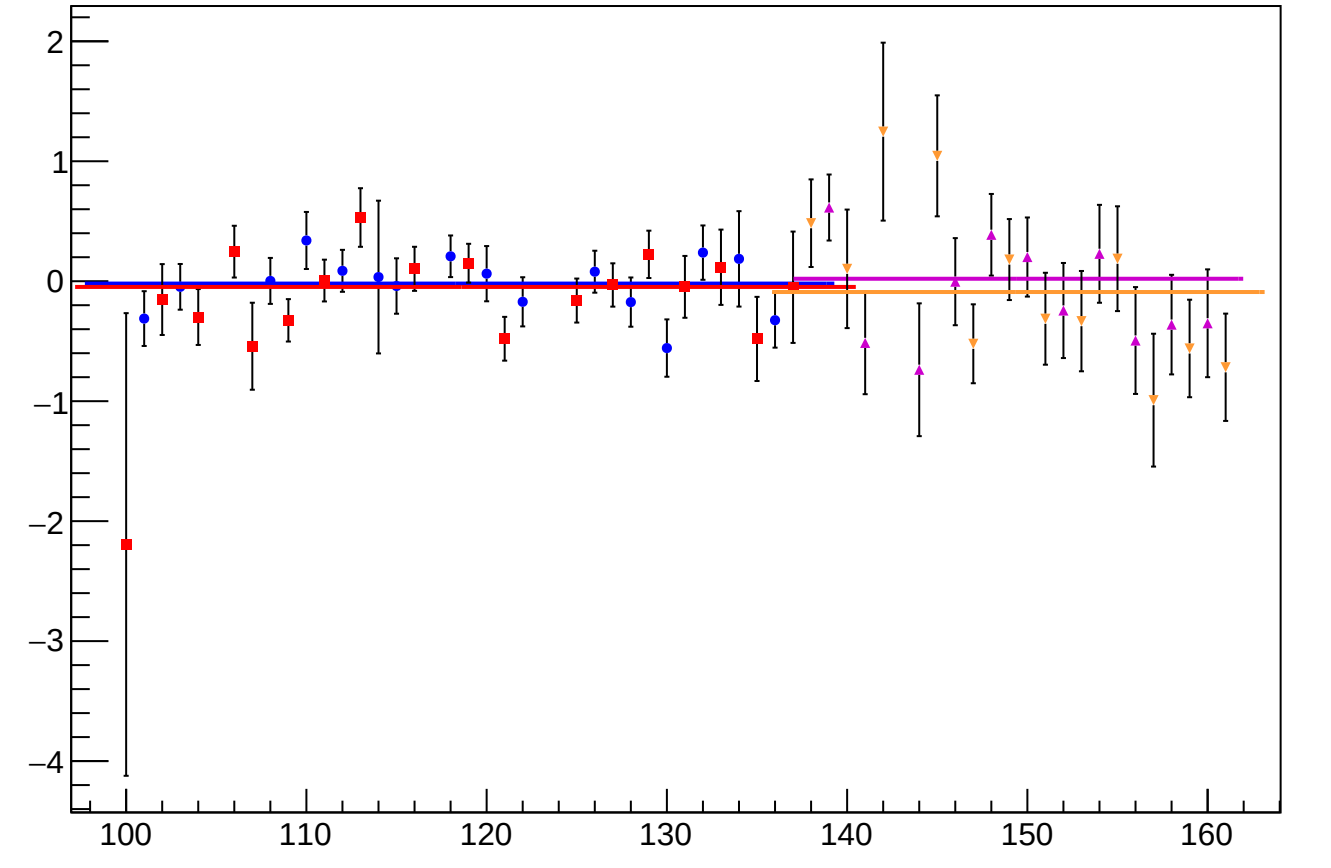
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:3514822.7/10

+ sign 0.007+/-0.000 χ^2/NDF: 6830264.6/27

All: 0.006+/-0.000 χ^2/NDF: 15800274.9/56

- sign 0.006+/-0.000 χ^2/NDF: 8622858.9/28



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.090+/-0.122 χ^2/NDF:20.3/11

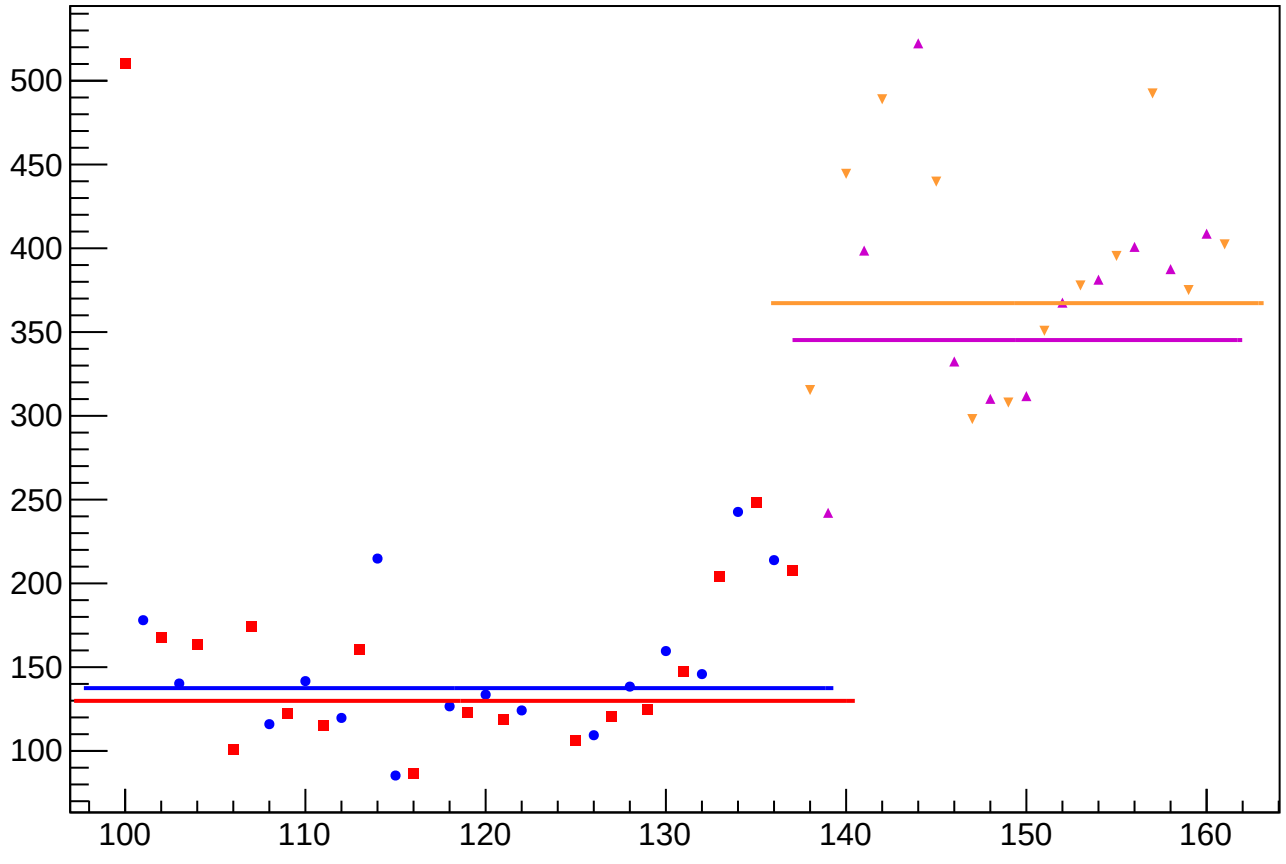
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.021+/-0.115 χ^2/NDF:13.1/10

+ sign -0.031+/-0.050 χ^2/NDF: 36.6/27

All: -0.034+/-0.034 χ^2/NDF: 76.4/56

- sign -0.036+/-0.048 χ^2/NDF: 39.7/28



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 367.266+/-0.086 χ^2/NDF:463179.5/11

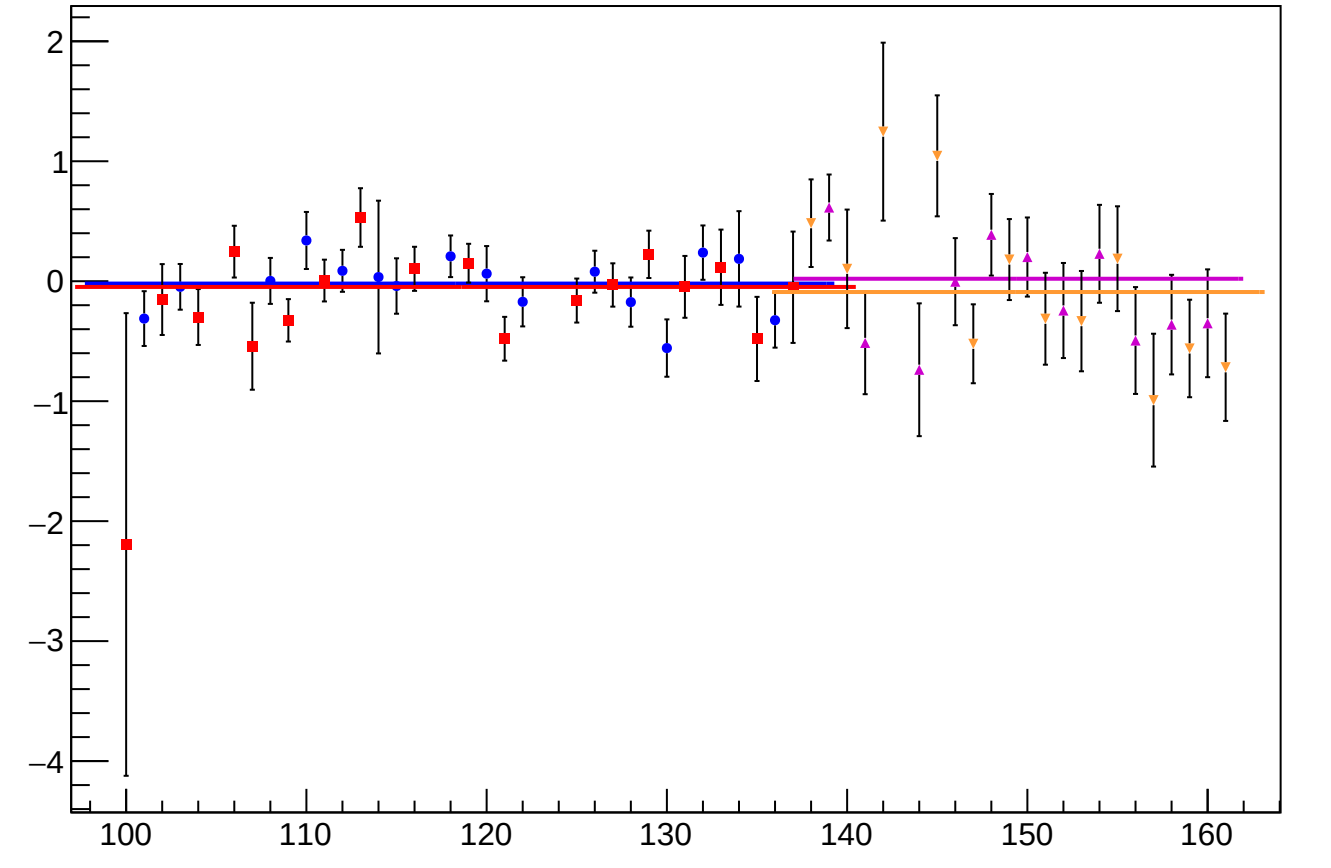
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 345.235+/-0.081 χ^2/NDF:674989.9/10

+ sign 175.500+/-0.035 χ^2/NDF: 7100534.0/27

All: 171.090+/-0.024 χ^2/NDF: 14438791.9/56

- sign 166.988+/-0.034 χ^2/NDF: 7307644.2/28



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.090+/-0.122 χ^2/NDF:20.3/11

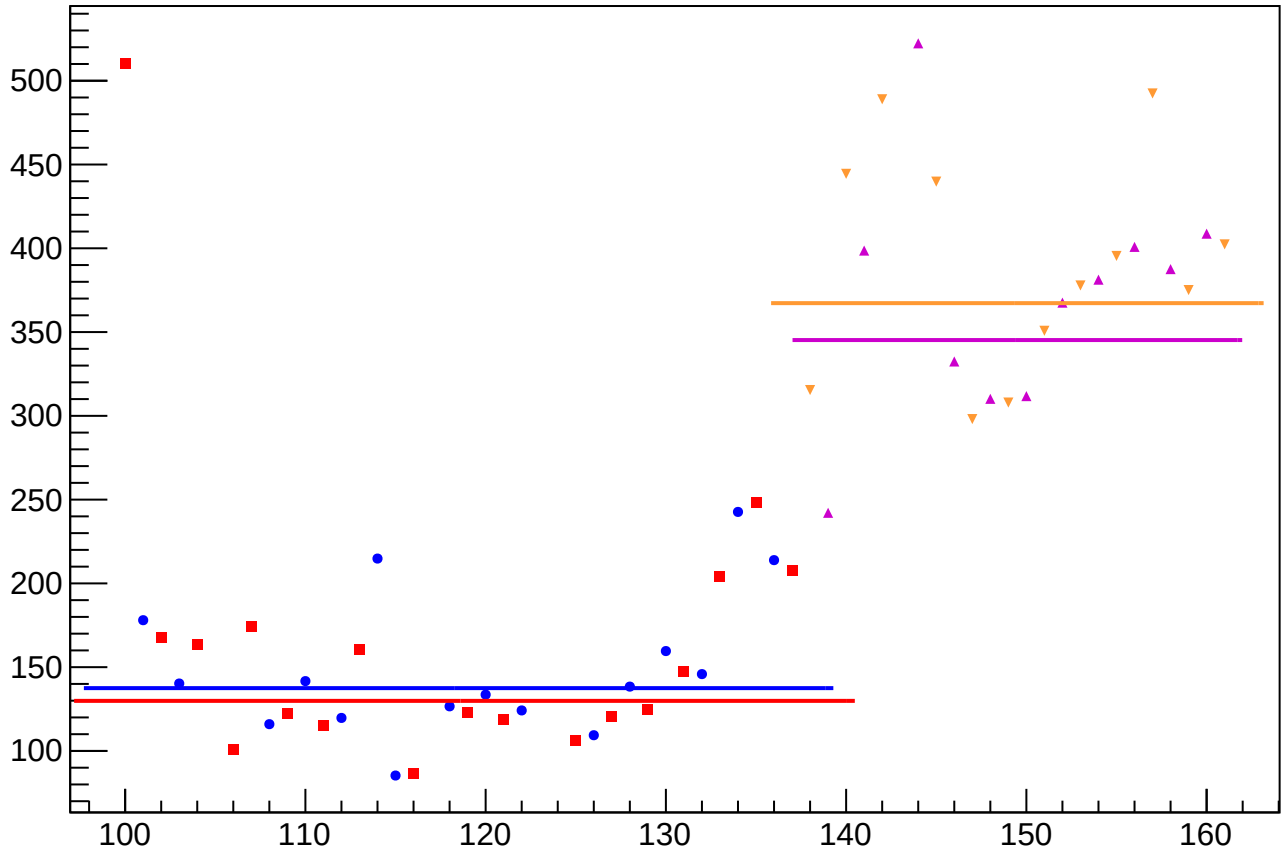
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.021+/-0.115 χ^2/NDF:13.1/10

+ sign -0.031+/-0.050 χ^2/NDF: 36.6/27

All: -0.034+/-0.034 χ^2/NDF: 76.4/56

- sign -0.036+/-0.048 χ^2/NDF: 39.7/28



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 367.266+/-0.086 χ^2/NDF:463179.5/11

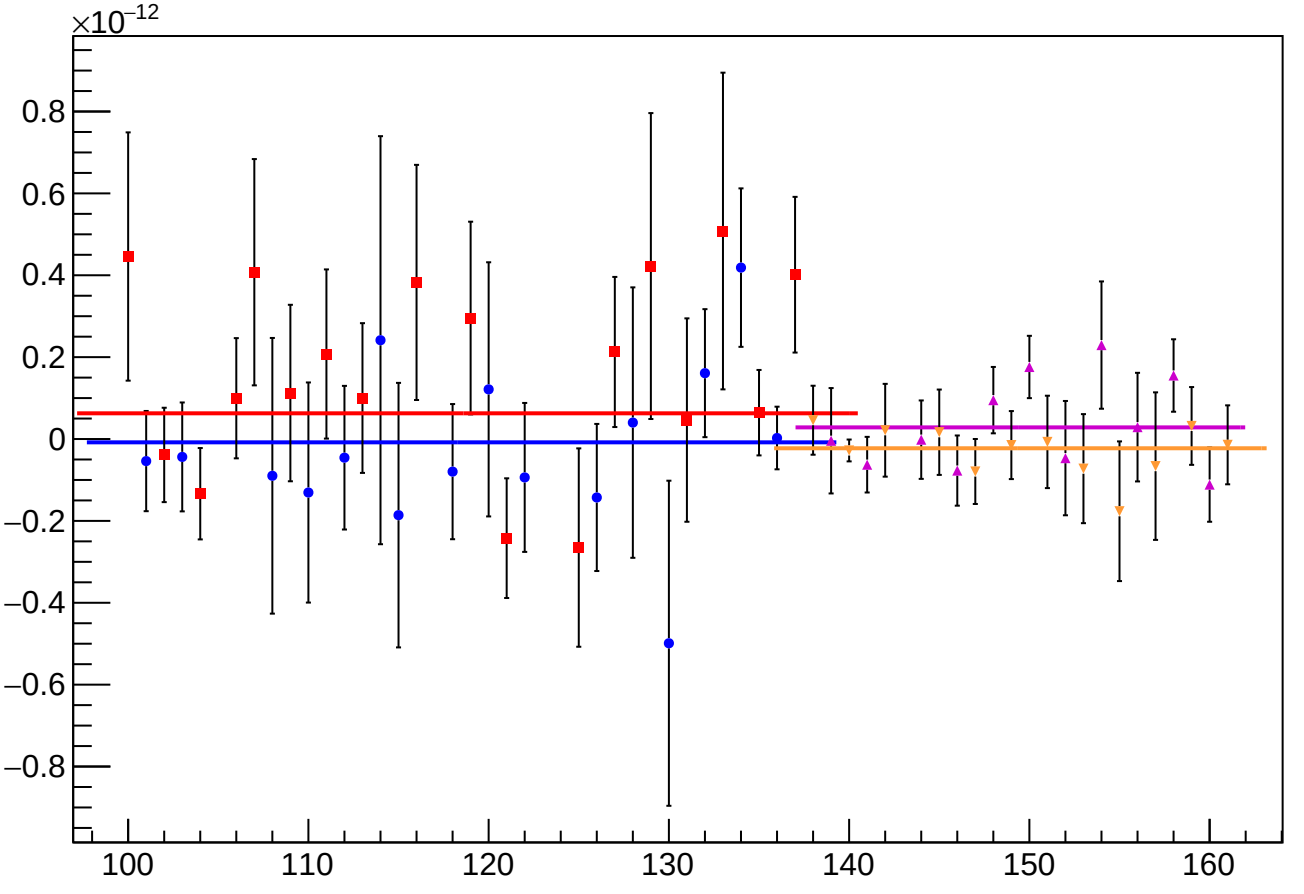
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 345.235+/-0.081 χ^2/NDF:674989.9/10

+ sign 175.500+/-0.035 χ^2/NDF: 7100534.0/27

All: 171.090+/-0.024 χ^2/NDF: 14438791.9/56

- sign 166.988+/-0.034 χ^2/NDF: 7307644.2/28



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/11

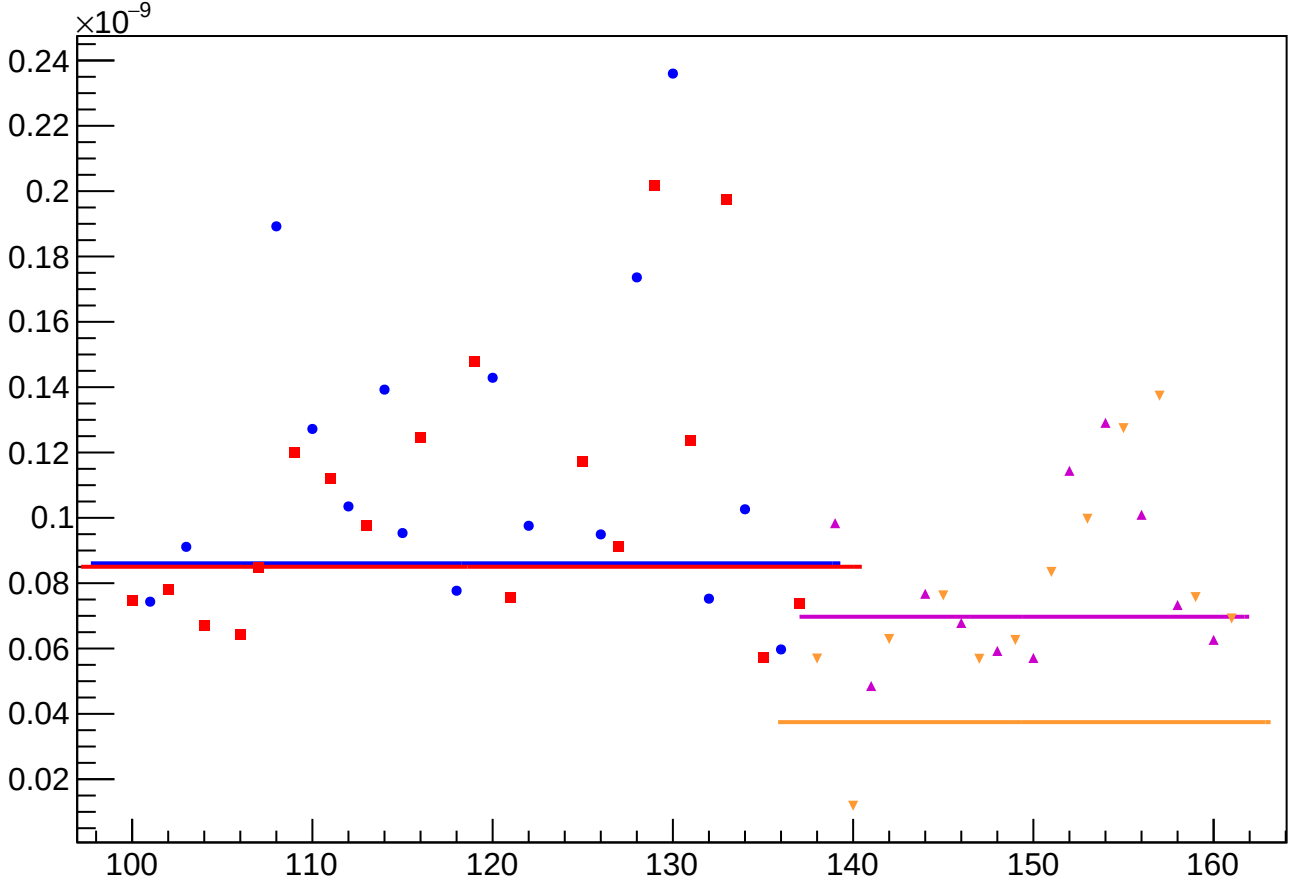
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:14.3/10

+ sign -0.000+/-0.000 χ^2/NDF: 12.8/27

All: 0.000+/-0.000 χ^2/NDF: 53.7/56

- sign 0.000+/-0.000 χ^2/NDF: 36.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5108185.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

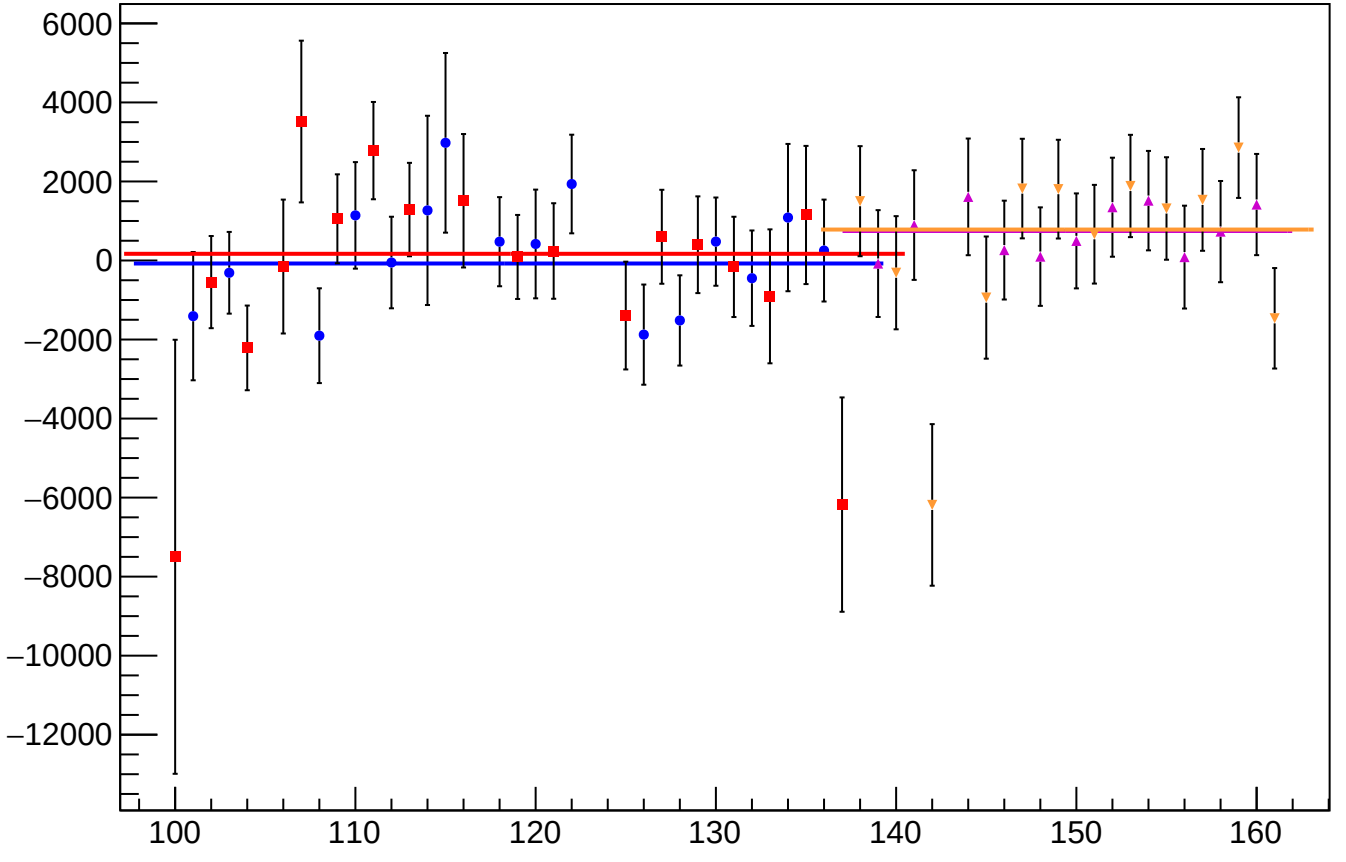
Left In: 0.000+/-0.000 χ^2/NDF:1016140.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 8314424.5/27

All: 0.000+/-0.000 χ^2/NDF: 12281964.0/56

- sign 0.000+/-0.000 χ^2/NDF: 2183326.5/28

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 783.060+/-389.200 χ^2/NDF:22.1/11

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

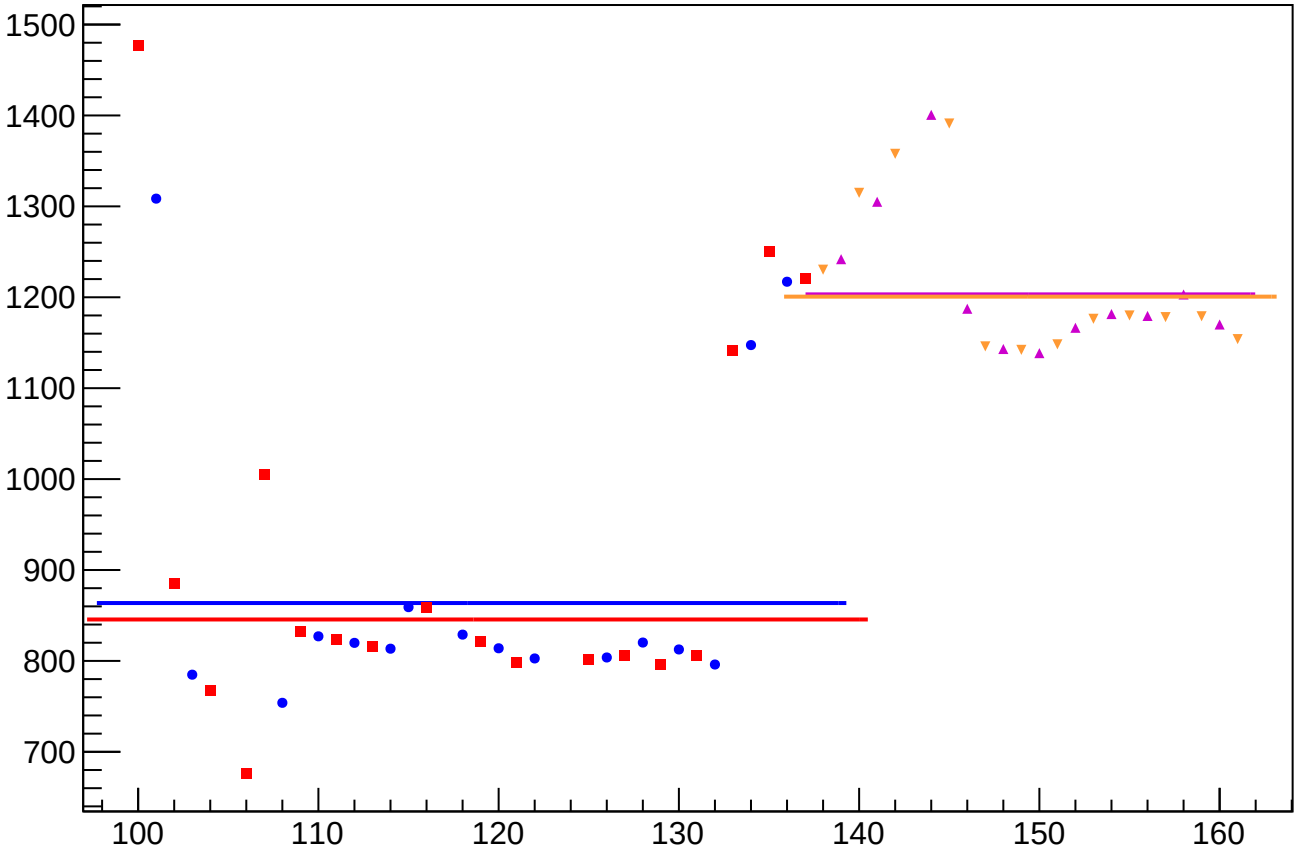
Left In: 746.686+/-389.871 χ^2/NDF:2.3/10

+ sign 278.527+/-250.015 χ^2/NDF: 38.3/27

All: 341.379+/-176.139 χ^2/NDF: 66.4/56

- sign 403.317+/-248.192 χ^2/NDF: 28.0/28

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1200.698+/-0.275 χ^2/NDF:72588.7/11

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

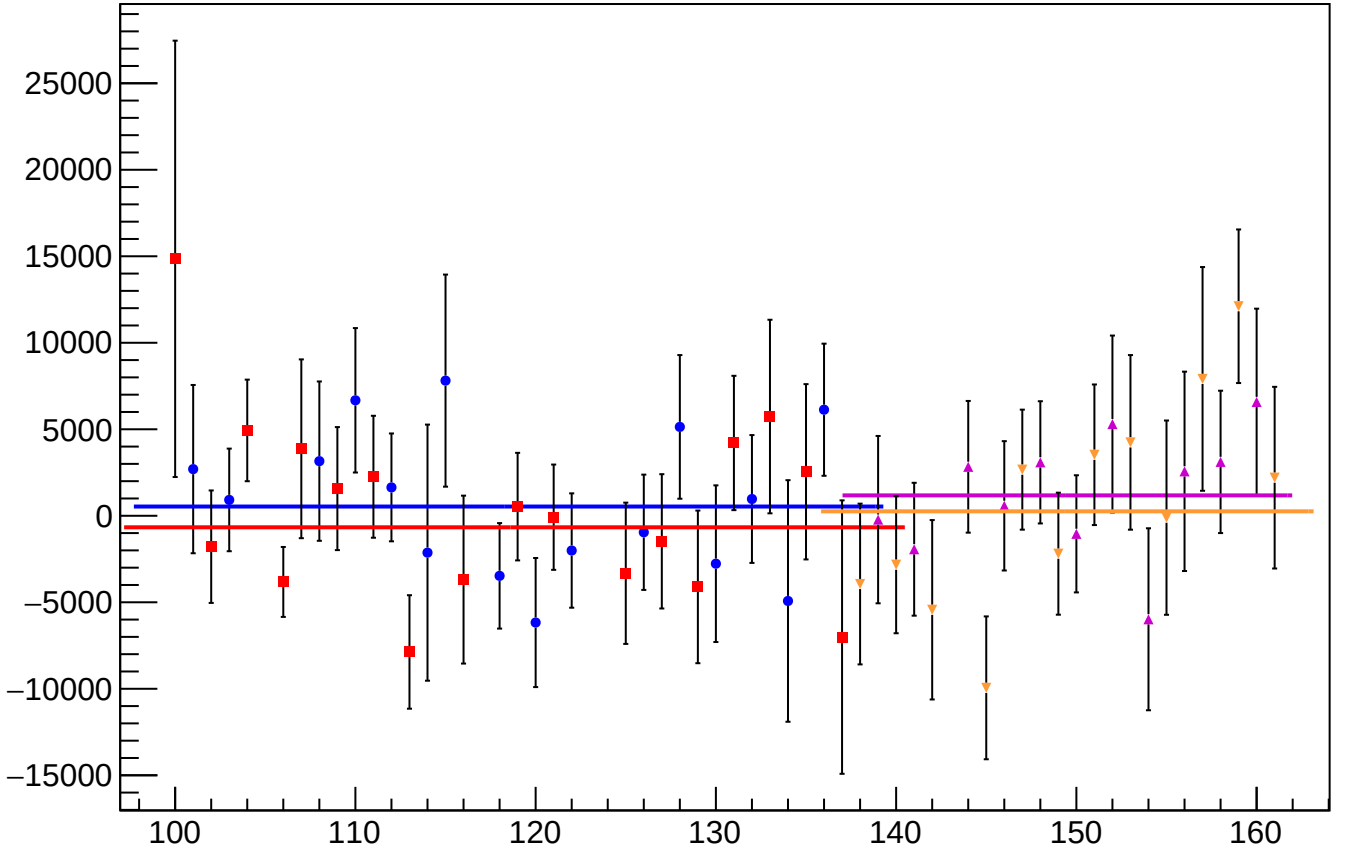
Left In: 1203.181+/-0.276 χ^2/NDF:63274.8/10

+ sign 1002.741+/-0.177 χ^2/NDF: 1360996.8/27

All: 995.445+/-0.124 χ^2/NDF: 2746193.5/56

- sign 988.361+/-0.174 χ^2/NDF: 1381840.1/28

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 257.100+/-1278.334 χ^2/NDF:19.6/11

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

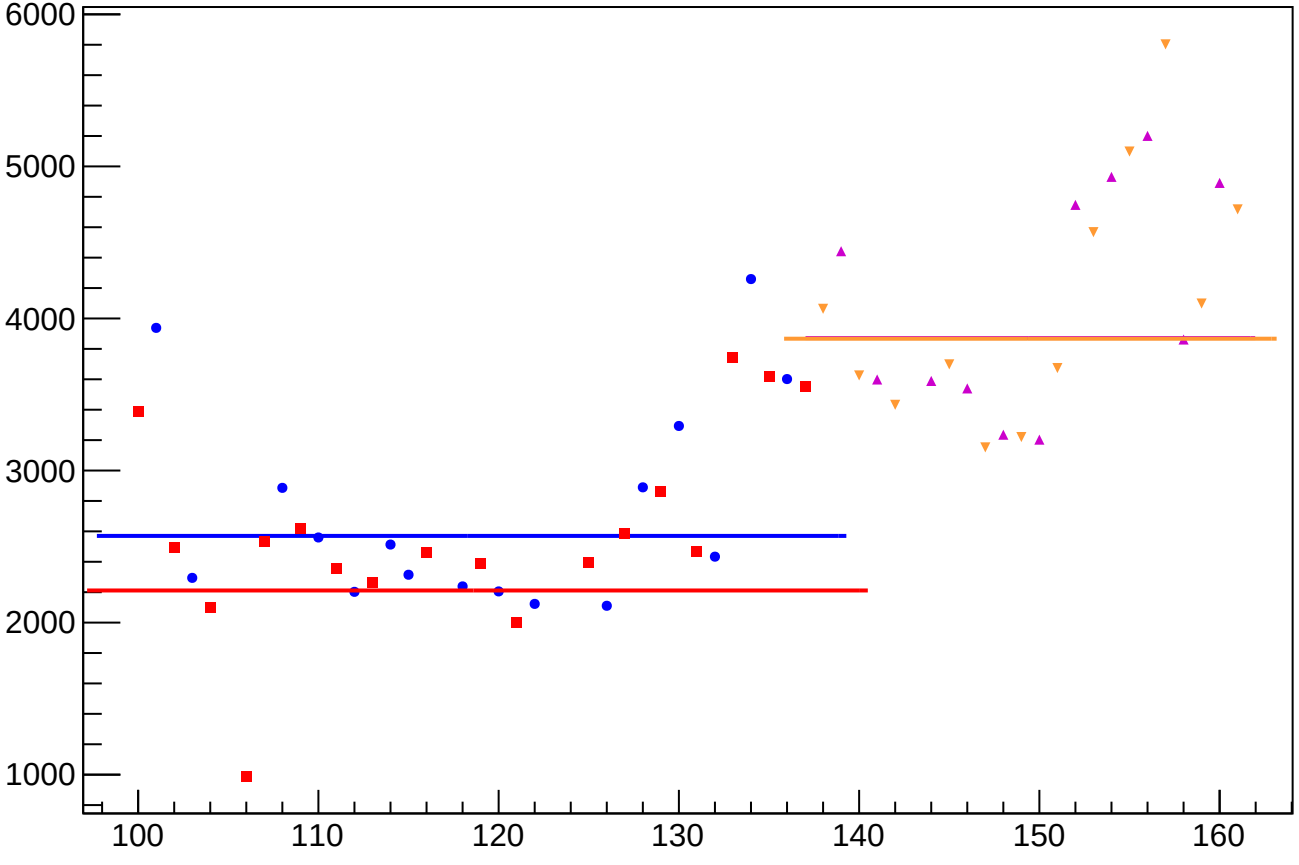
Left In: 1178.825+/-1273.580 χ^2/NDF:5.5/10

+ sign 431.651+/-778.395 χ^2/NDF: 34.3/27

All: 152.399+/-526.787 χ^2/NDF: 61.4/56

- sign -83.577+/-715.545 χ^2/NDF: 26.9/28

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3866.948+/-0.904 χ^2/NDF:556930.1/11

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

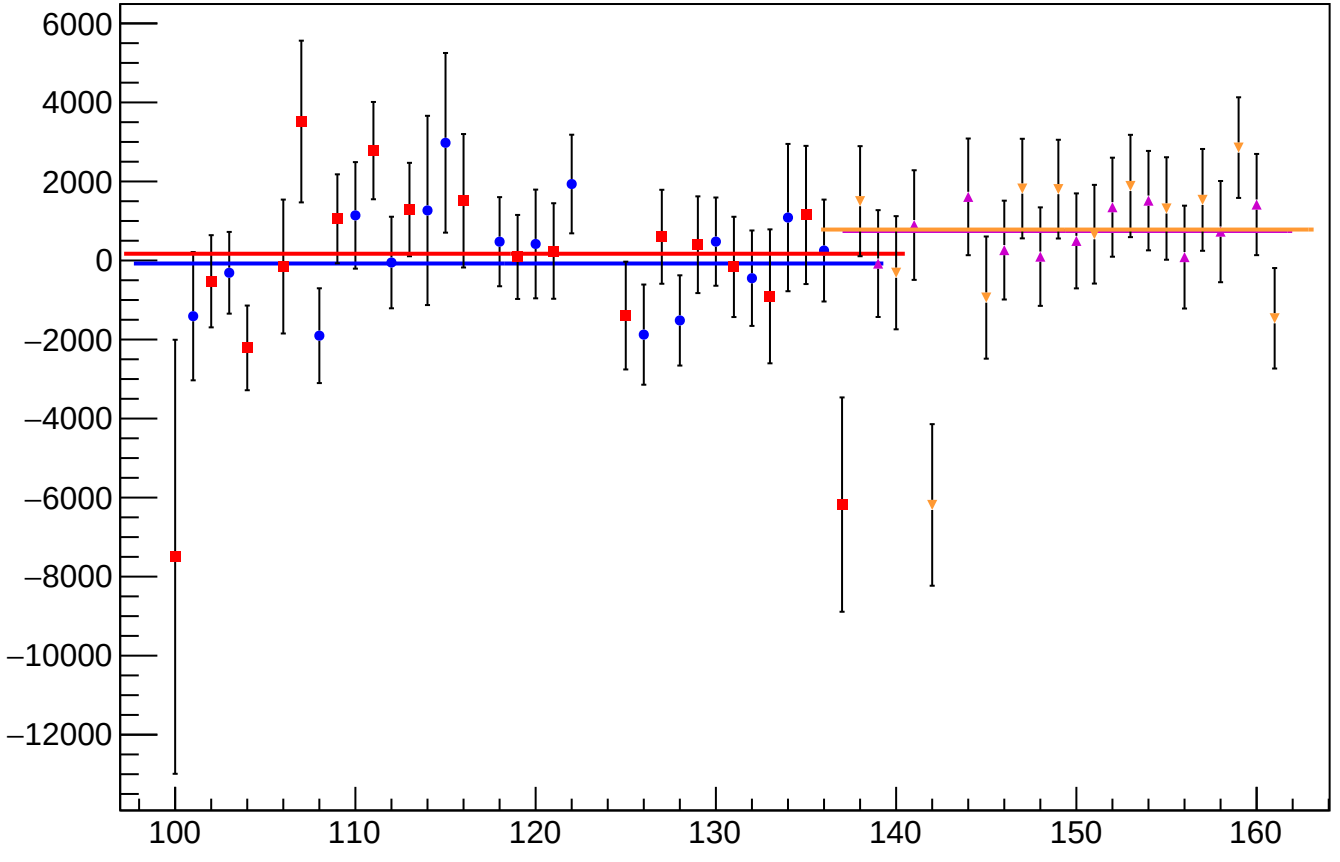
Left In: 3871.158+/-0.901 χ^2/NDF:525241.5/10

+ sign 3050.962+/-0.550 χ^2/NDF: 2514501.1/27

All: 2879.837+/-0.372 χ^2/NDF: 6807088.3/56

- sign 2735.232+/-0.506 χ^2/NDF: 4114243.5/28

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 783.018+/-389.200 χ^2/NDF:22.1/11

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

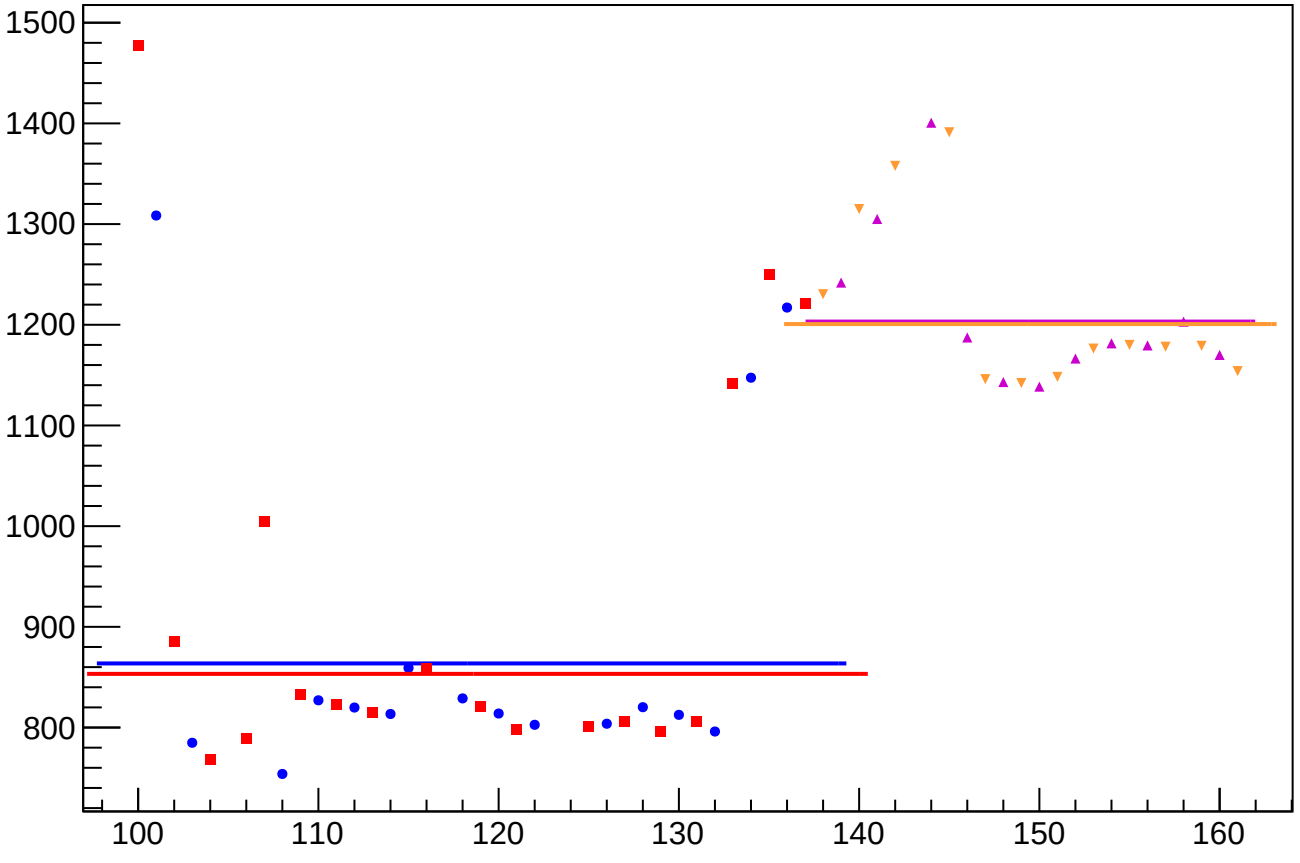
Left In: 746.684+/-389.871 χ^2/NDF:2.3/10

\+ sign 278.464+/-250.015 χ^2/NDF: 38.3/27

All: 341.839+/-176.140 χ^2/NDF: 66.4/56

\- sign 404.294+/-248.194 χ^2/NDF: 28.0/28

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1200.698+/-0.275 χ^2/NDF:72588.7/11

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

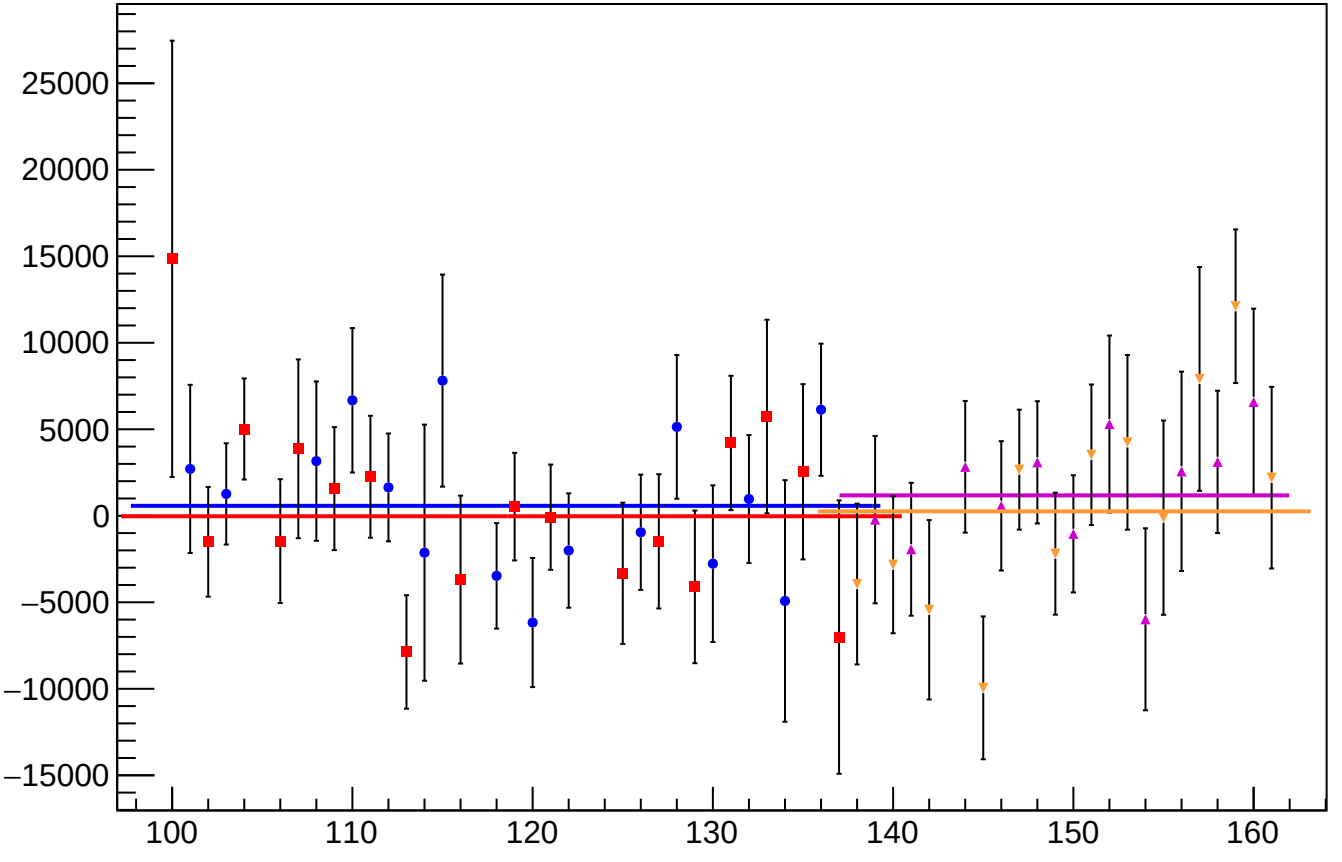
Left In: 1203.181+/-0.276 χ^2/NDF:63274.8/10

+ sign 1002.741+/-0.177 χ^2/NDF: 1360996.9/27

All: 998.434+/-0.124 χ^2/NDF: 2662846.0/56

- sign 994.216+/-0.175 χ^2/NDF: 1300674.4/28

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 257.096+/-1278.334 χ^2/NDF:19.6/11

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

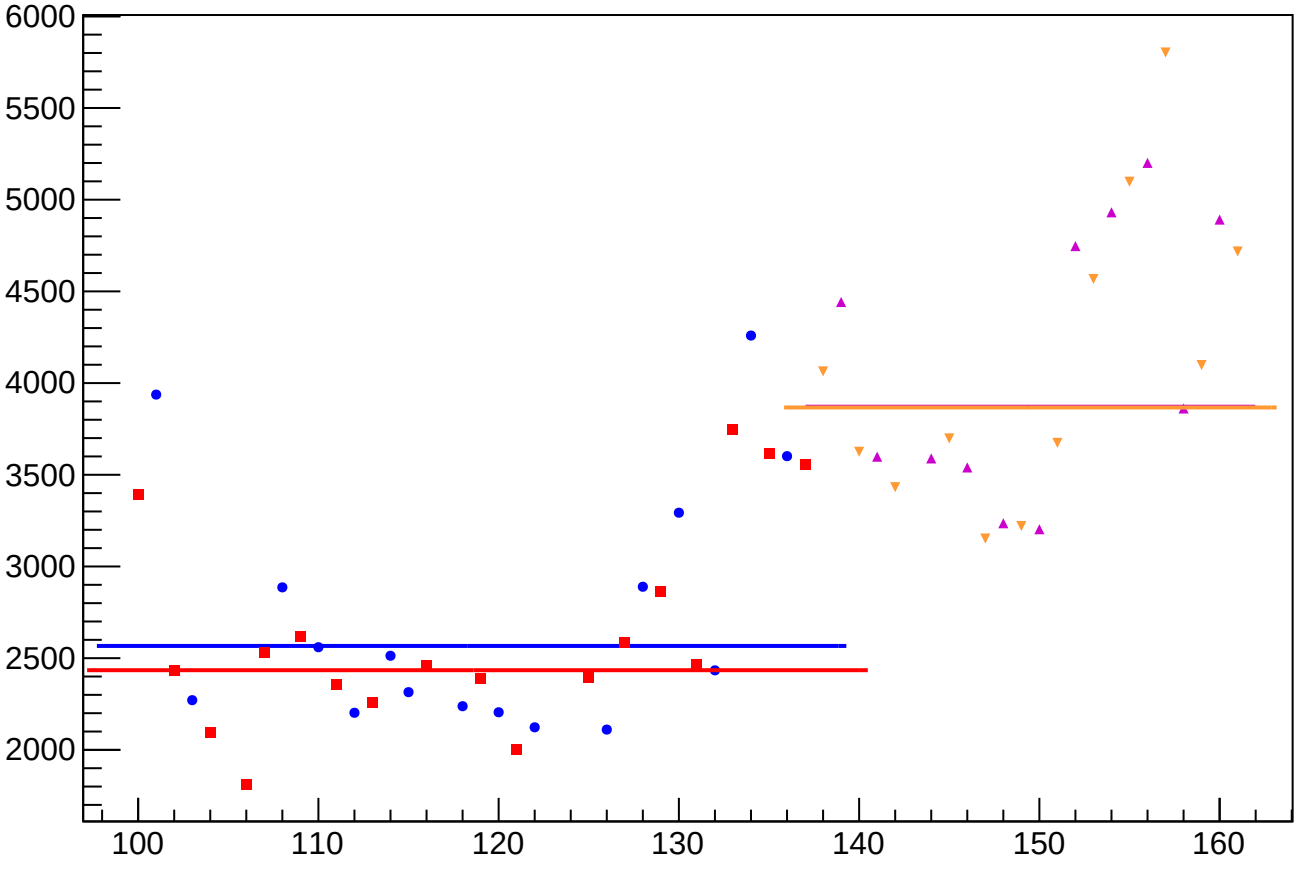
Left In: 1178.874+/-1273.579 χ^2/NDF:5.5/10

\+ sign 457.323+/-777.679 χ^2/NDF: 34.4/27

All: 420.577+/-538.689 χ^2/NDF: 57.6/56

\- sign 386.683+/-746.896 χ^2/NDF: 23.3/28

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3866.946+/-0.904 χ^2/NDF:556926.3/11

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

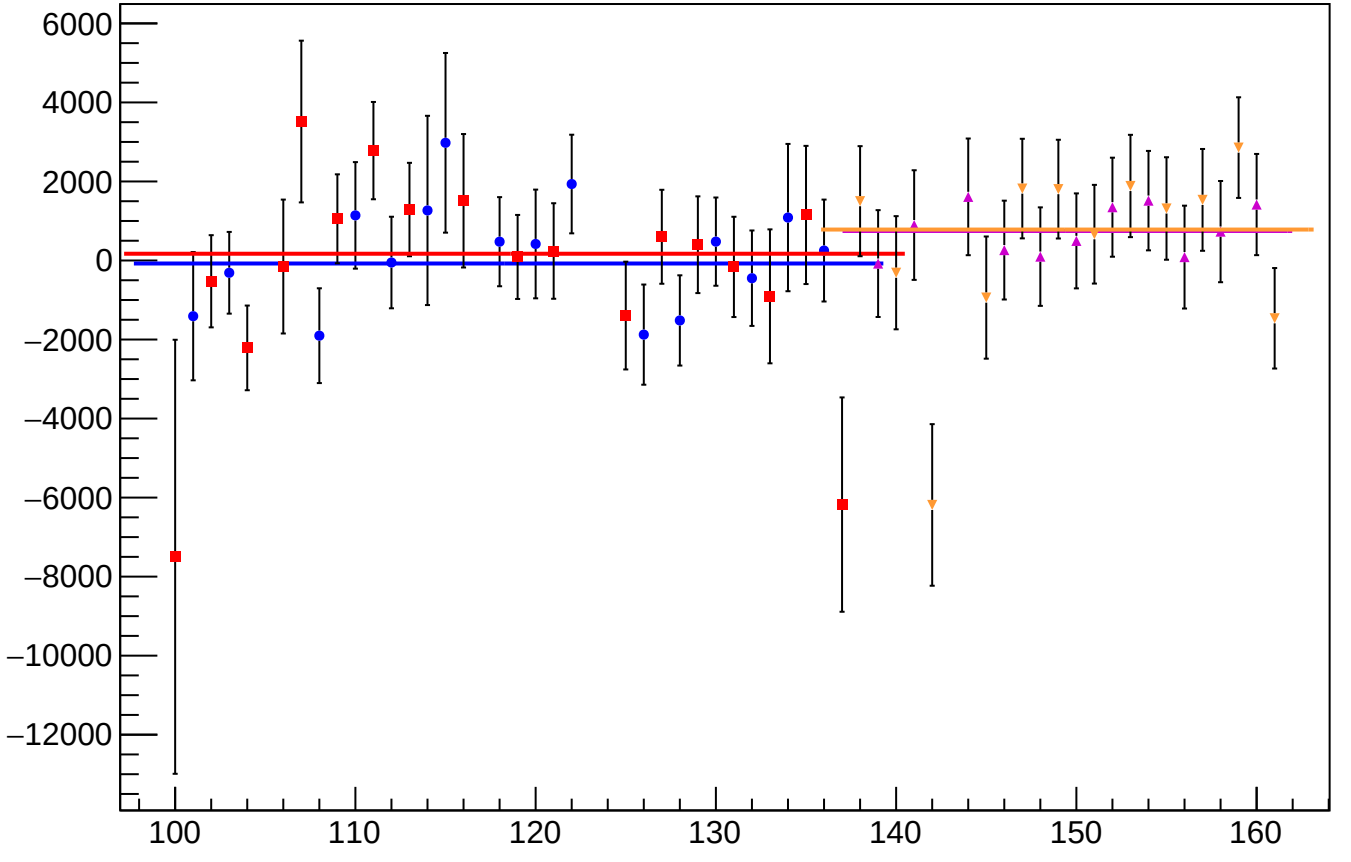
Left In: 3871.154+/-0.901 χ^2/NDF:525244.3/10

+ sign 3047.933+/-0.550 χ^2/NDF: 2526104.7/27

All: 2985.838+/-0.381 χ^2/NDF: 5179783.1/56

- sign 2928.562+/-0.528 χ^2/NDF: 2629165.8/28

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 783.018+/-389.200 χ^2/NDF:22.1/11

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

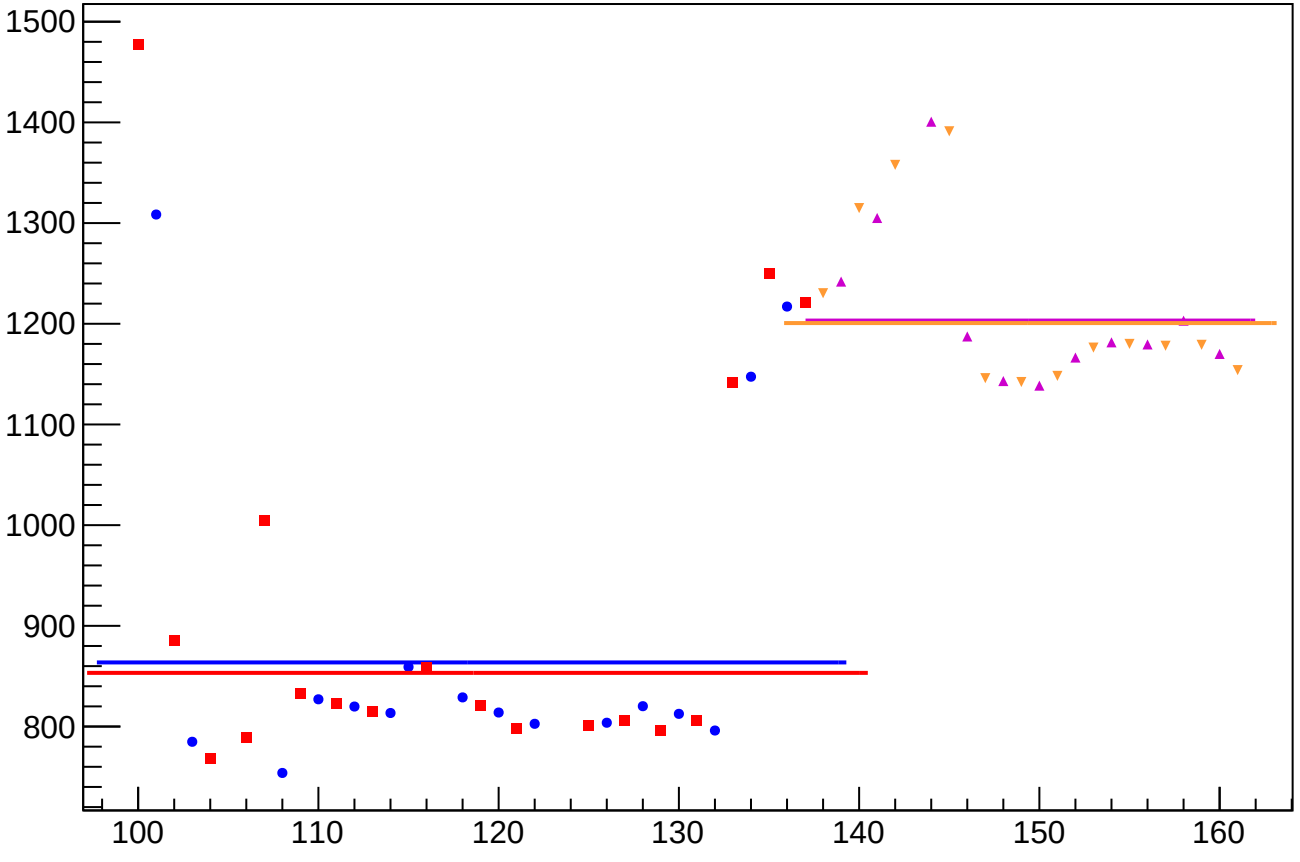
Left In: 746.684+/-389.871 χ^2/NDF:2.3/10

+ sign 278.464+/-250.015 χ^2/NDF: 38.3/27

All: 341.839+/-176.140 χ^2/NDF: 66.4/56

- sign 404.294+/-248.194 χ^2/NDF: 28.0/28

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1200.698+/-0.275 χ^2/NDF:72588.7/11

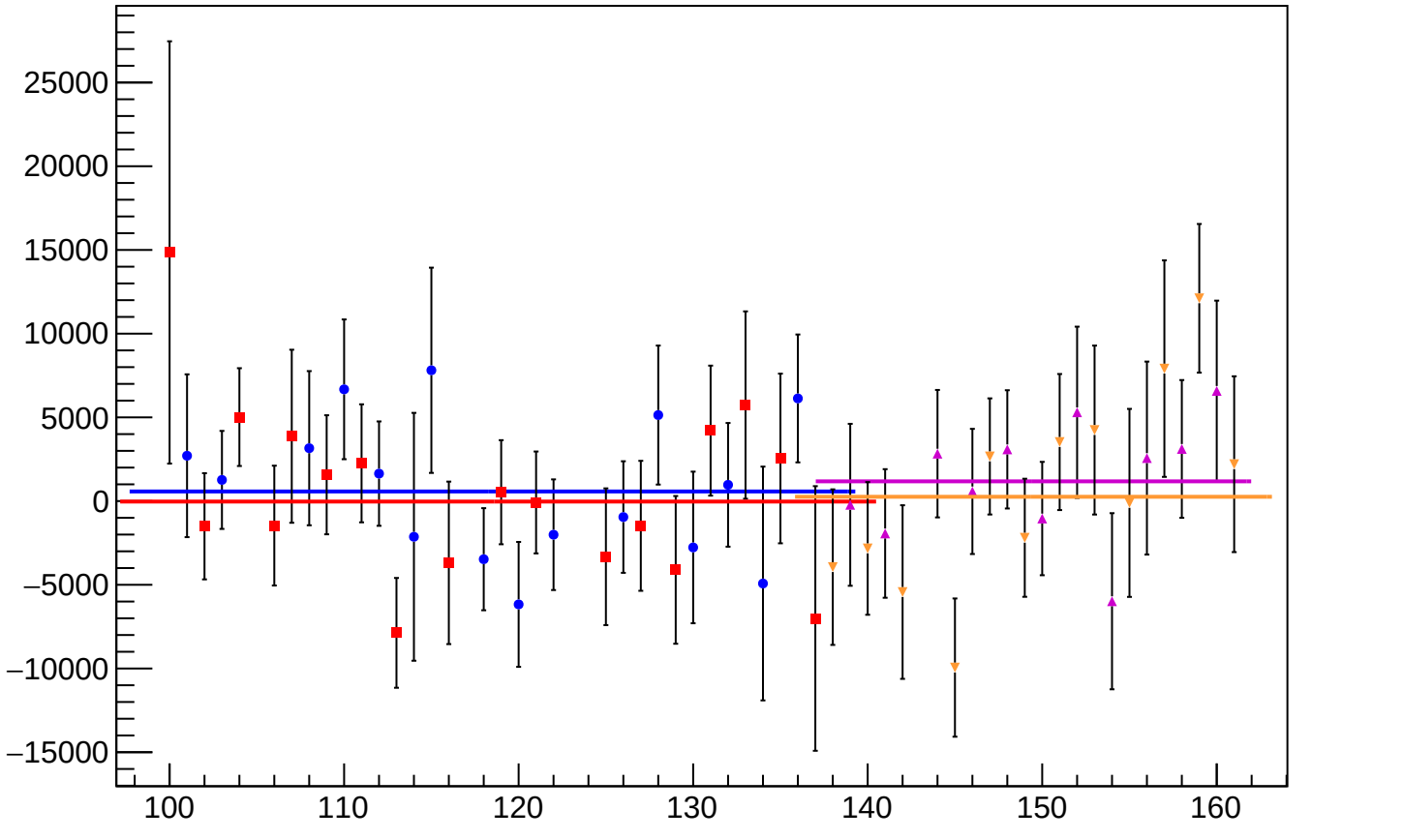
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1203.181+/-0.276 χ^2/NDF:63274.8/10

+ sign 1002.741+/-0.177 χ^2/NDF: 1360996.9/27

All: 998.434+/-0.124 χ^2/NDF: 2662846.0/56

- sign 994.216+/-0.175 χ^2/NDF: 1300674.4/28



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 257.096+/-1278.334 χ^2/NDF:19.6/11

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

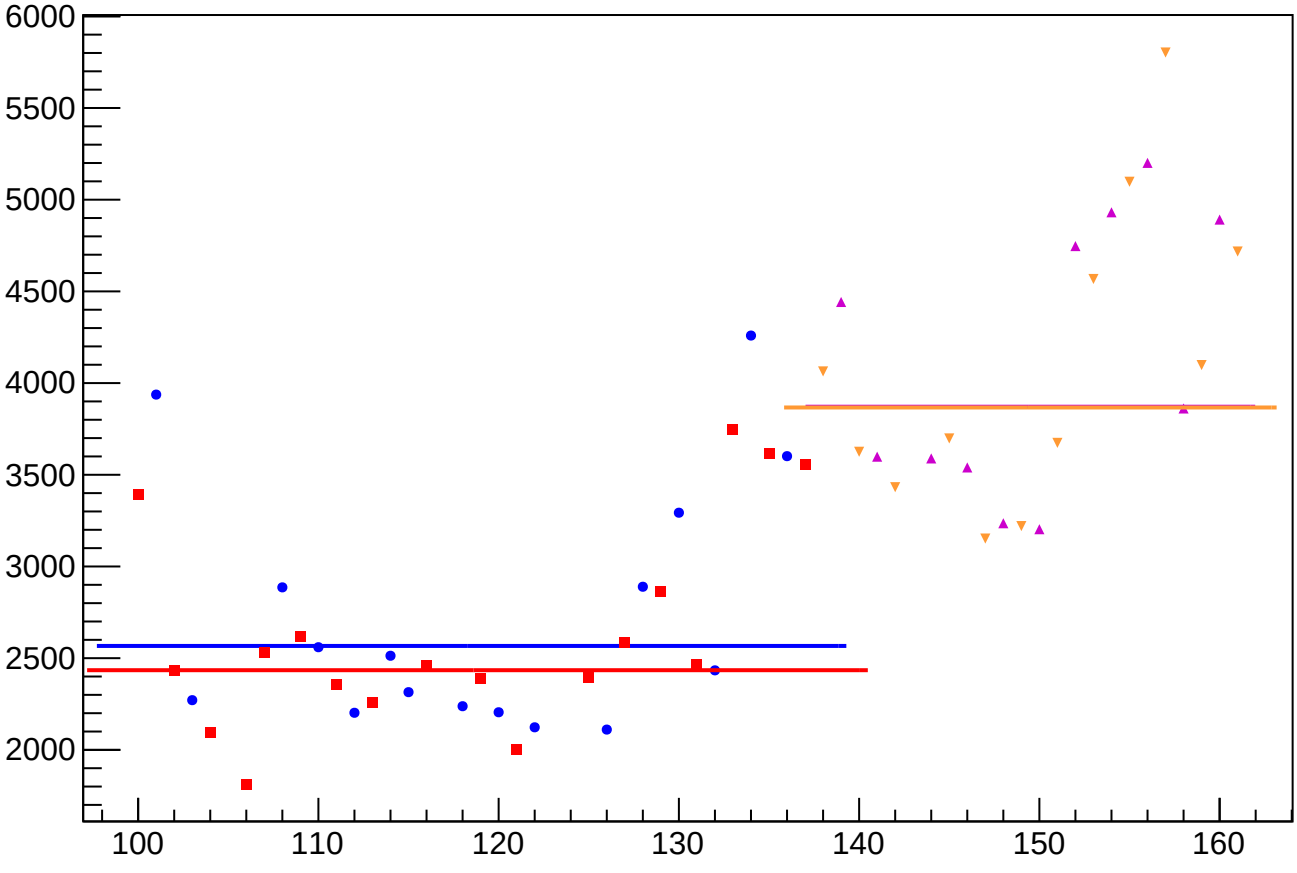
Left In: 1178.874+/-1273.579 χ^2/NDF:5.5/10

\+ sign 457.323+/-777.679 χ^2/NDF: 34.4/27

All: 420.577+/-538.689 χ^2/NDF: 57.6/56

\- sign 386.683+/-746.896 χ^2/NDF: 23.3/28

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3866.946+/-0.904 χ^2/NDF:556926.3/11

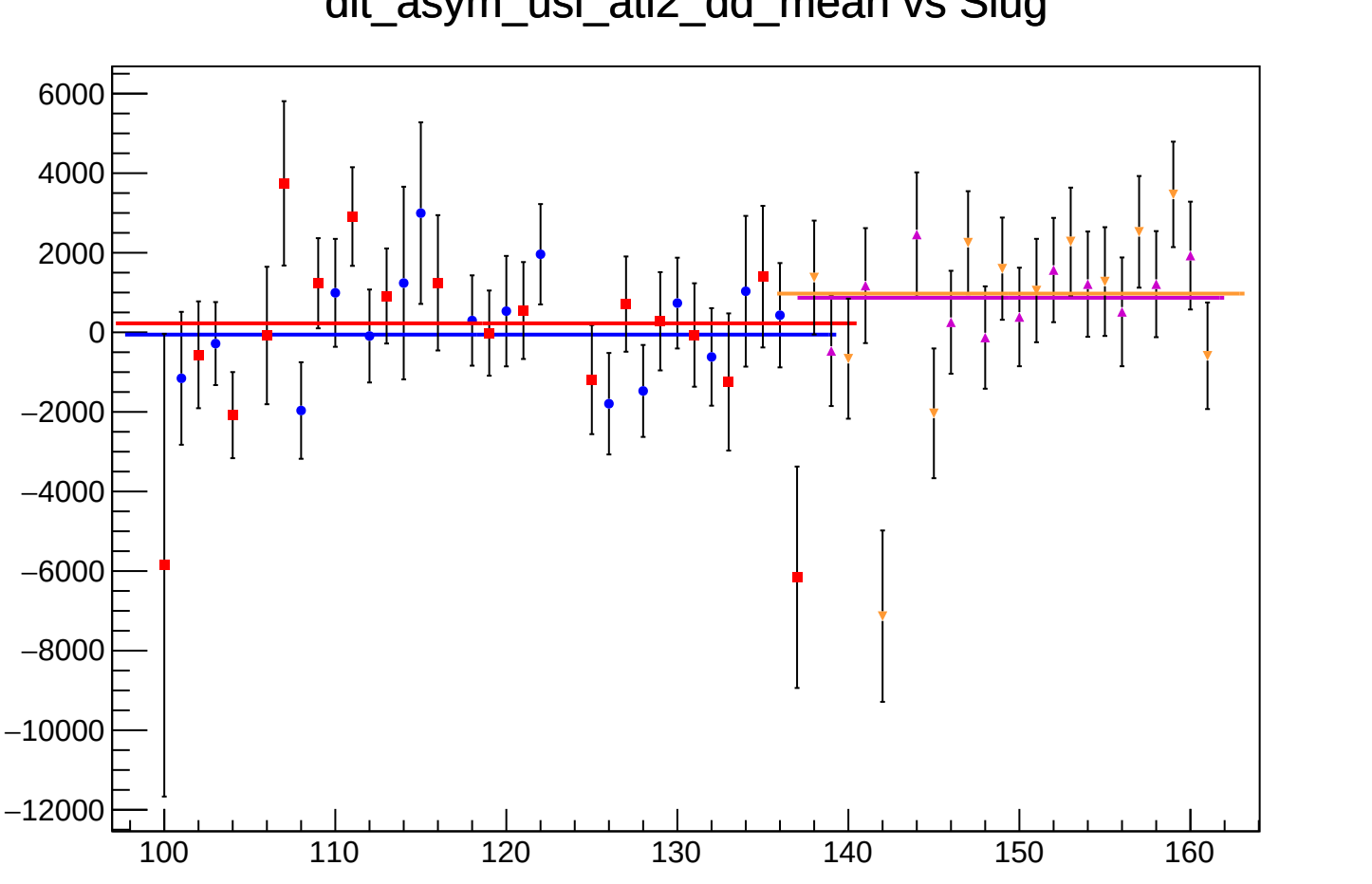
Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3871.154+/-0.901 χ^2/NDF:525244.3/10

+ sign 3047.933+/-0.550 χ^2/NDF: 2526104.7/27

All: 2985.838+/-0.381 χ^2/NDF: 5179783.1/56

- sign 2928.562+/-0.528 χ^2/NDF: 2629165.8/28



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 973.456+/-407.170 χ^2/NDF:27.2/11

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

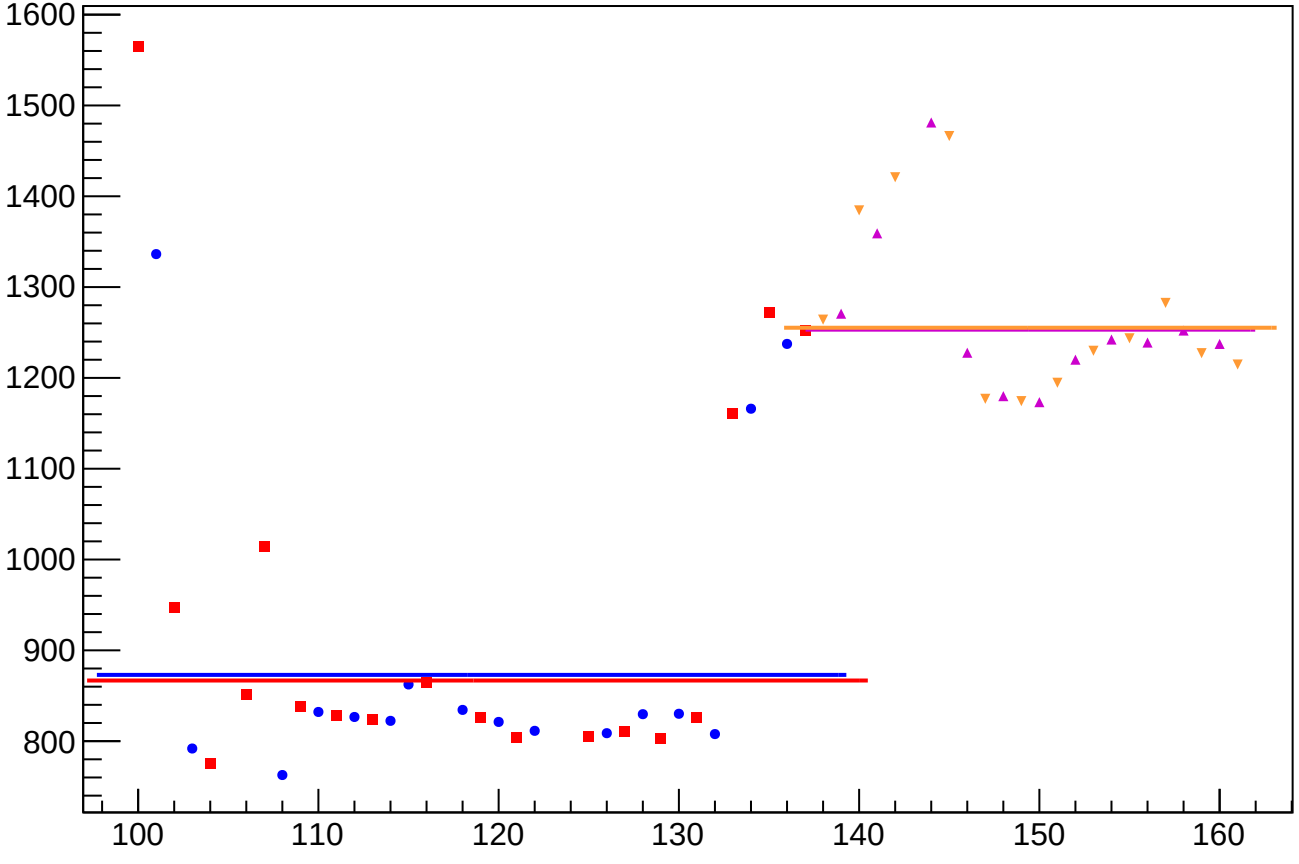
Left In: 868.202+/-406.187 χ^2/NDF:4.1/10

+ sign 351.531+/-256.413 χ^2/NDF: 44.0/27

All: 415.857+/-180.888 χ^2/NDF: 72.7/56

- sign 479.587+/-255.220 χ^2/NDF: 28.5/28

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1255.235+/-0.288 χ^2/NDF:84041.3/11

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

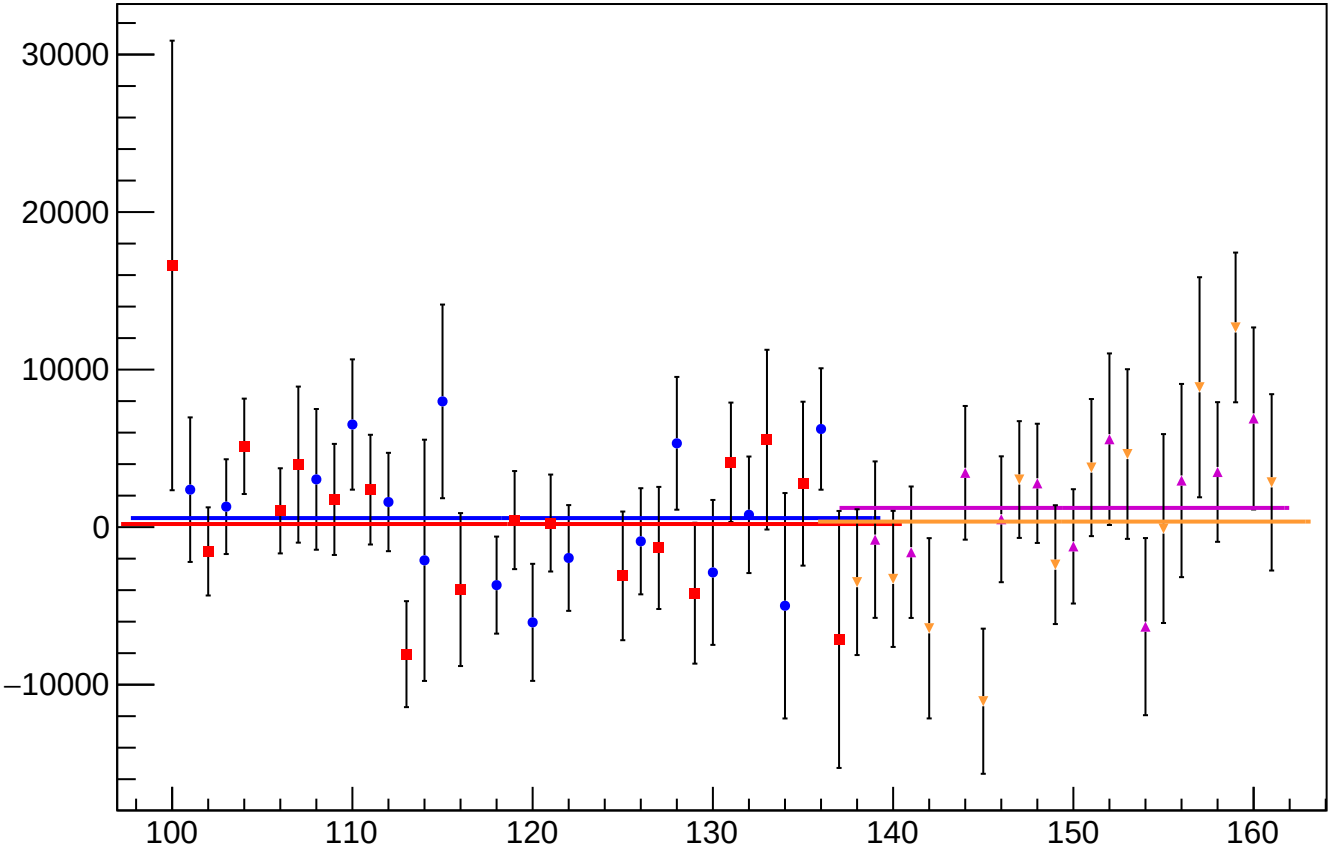
Left In: 1253.123+/-0.287 χ^2/NDF:71252.8/10

+ sign 1024.569+/-0.181 χ^2/NDF: 1564855.3/27

All: 1021.830+/-0.128 χ^2/NDF: 3022870.4/56

- sign 1019.121+/-0.180 χ^2/NDF: 1457561.2/28

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 352.442+/-1369.849 χ^2/NDF:19.6/11

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

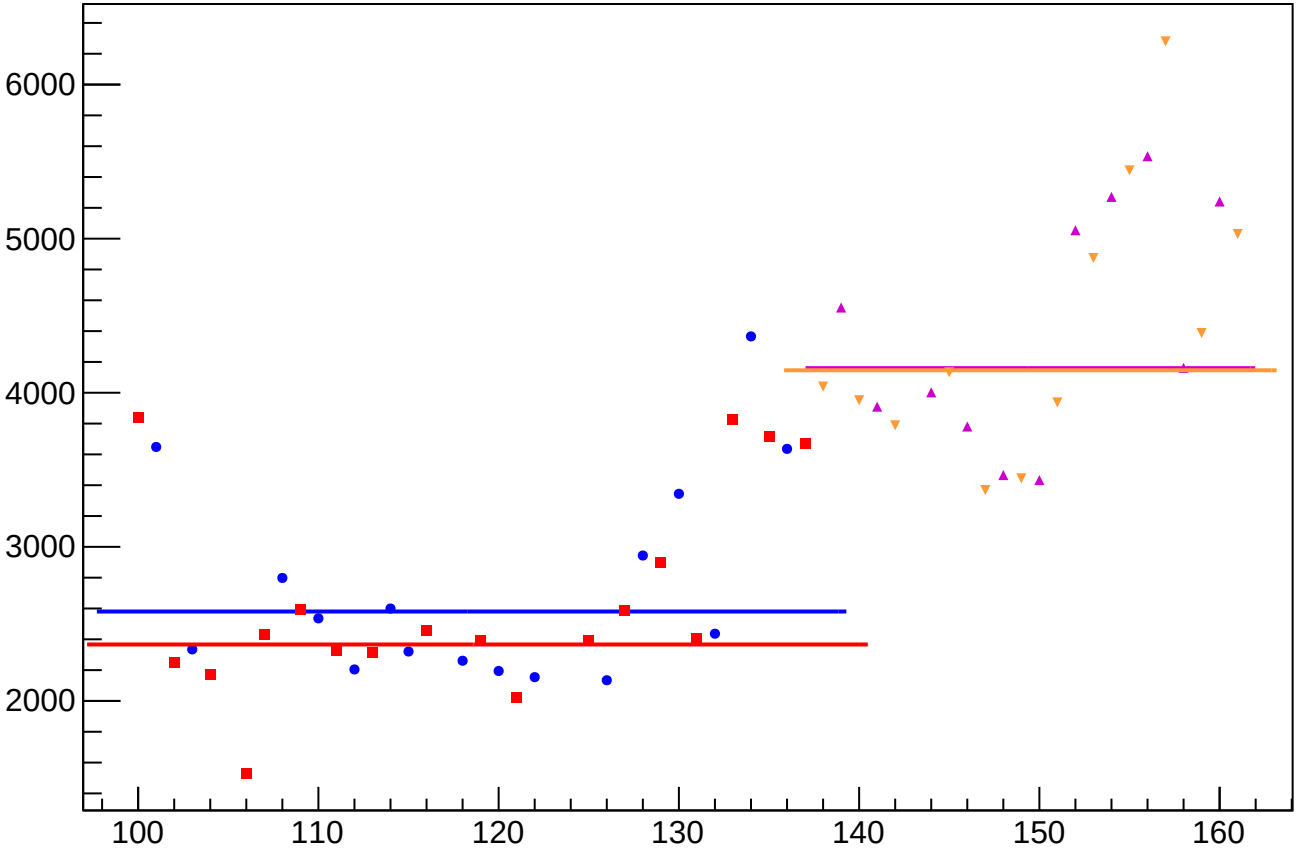
Left In: 1220.215+/-1367.499 χ^2/NDF:5.3/10

+ sign 499.337+/-799.659 χ^2/NDF: 34.4/27

All: 501.874+/-546.405 χ^2/NDF: 57.2/56

- sign 504.096+/-748.355 χ^2/NDF: 22.9/28

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4145.776+/-0.969 χ^2/NDF:546713.1/11

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

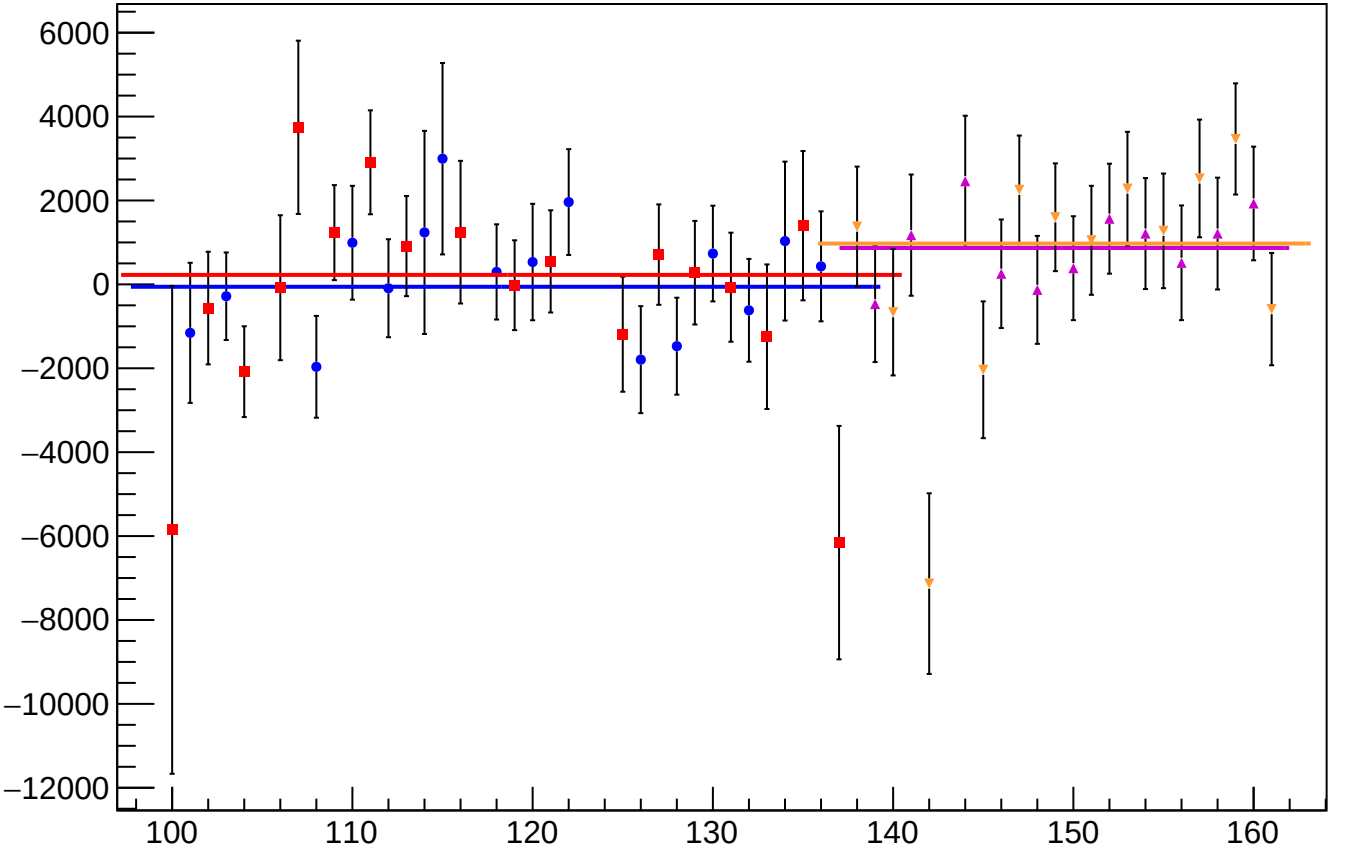
Left In: 4159.612+/-0.967 χ^2/NDF:490652.9/10

+ sign 3113.821+/-0.565 χ^2/NDF: 2885620.3/27

All: 3001.662+/-0.386 χ^2/NDF: 6470880.9/56

- sign 2903.432+/-0.529 χ^2/NDF: 3511456.9/28

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 973.456+/-407.171 χ^2/NDF:27.2/11

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

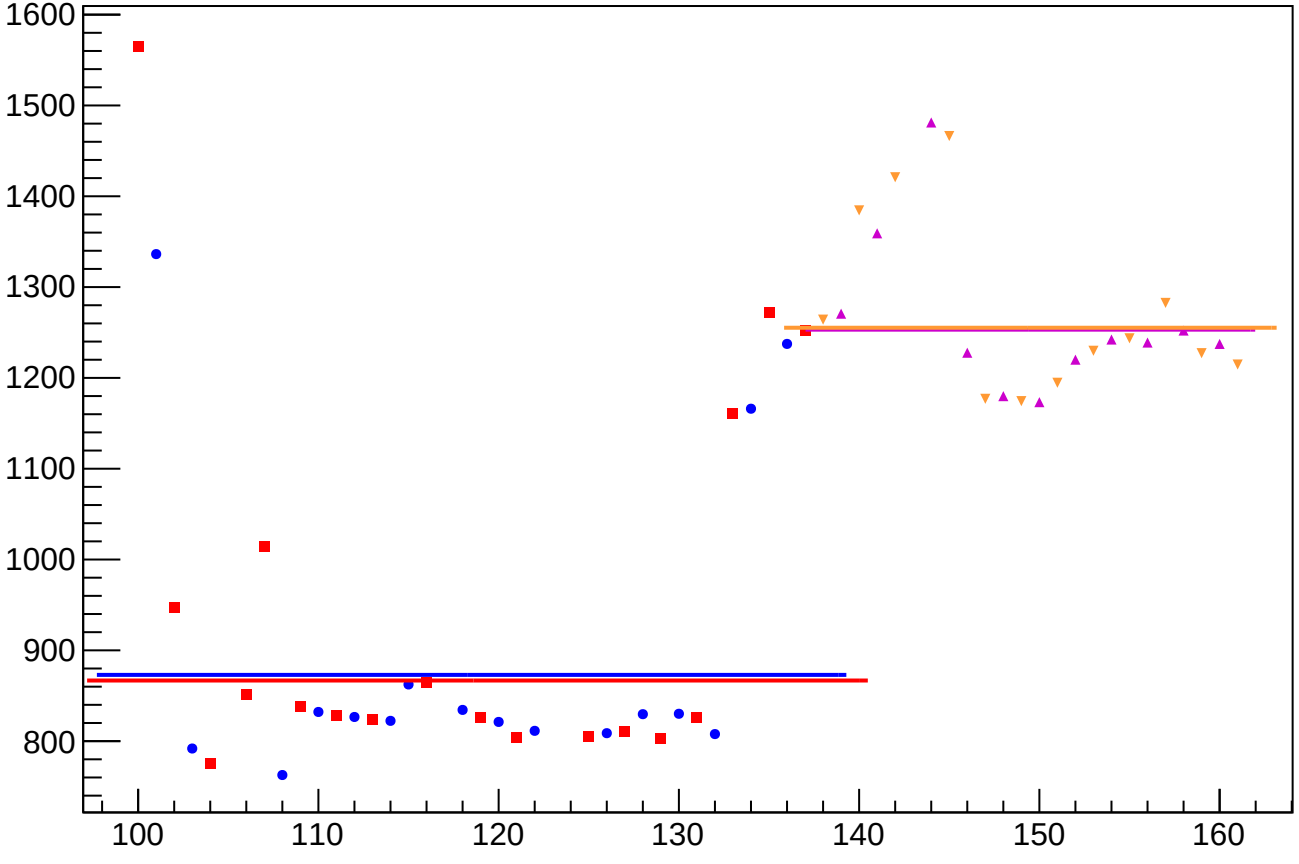
Left In: 868.202+/-406.187 χ^2/NDF:4.1/10

+ sign 351.529+/-256.413 χ^2/NDF: 44.0/27

All: 415.857+/-180.888 χ^2/NDF: 72.7/56

- sign 479.588+/-255.220 χ^2/NDF: 28.5/28

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1255.236+/-0.288 χ^2/NDF:84042.7/11

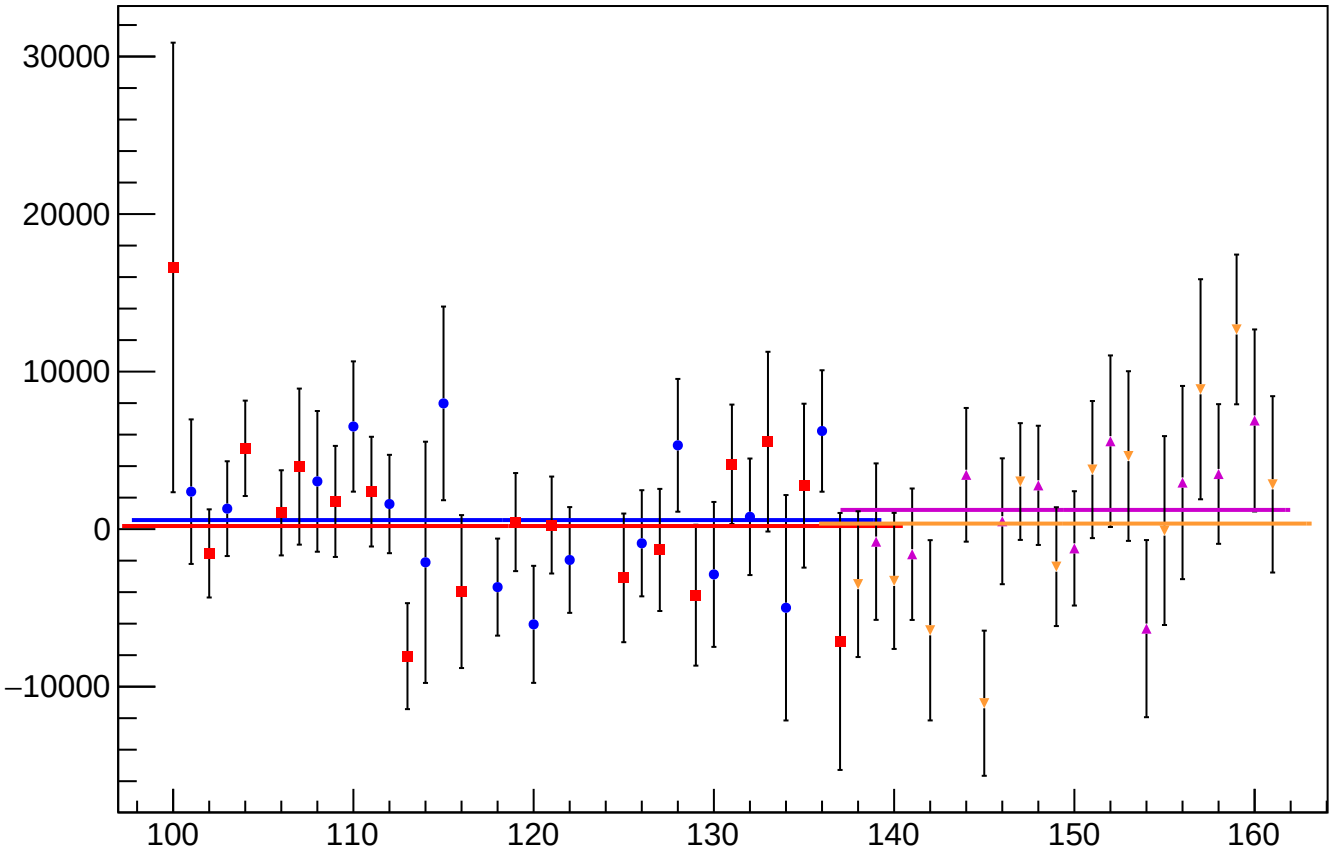
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1253.124+/-0.287 χ^2/NDF:71253.5/10

+ sign 1024.569+/-0.181 χ^2/NDF: 1564862.3/27

All: 1021.831+/-0.128 χ^2/NDF: 3022884.1/56

- sign 1019.121+/-0.180 χ^2/NDF: 1457567.9/28



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 352.444+/-1369.850 χ^2/NDF:19.6/11

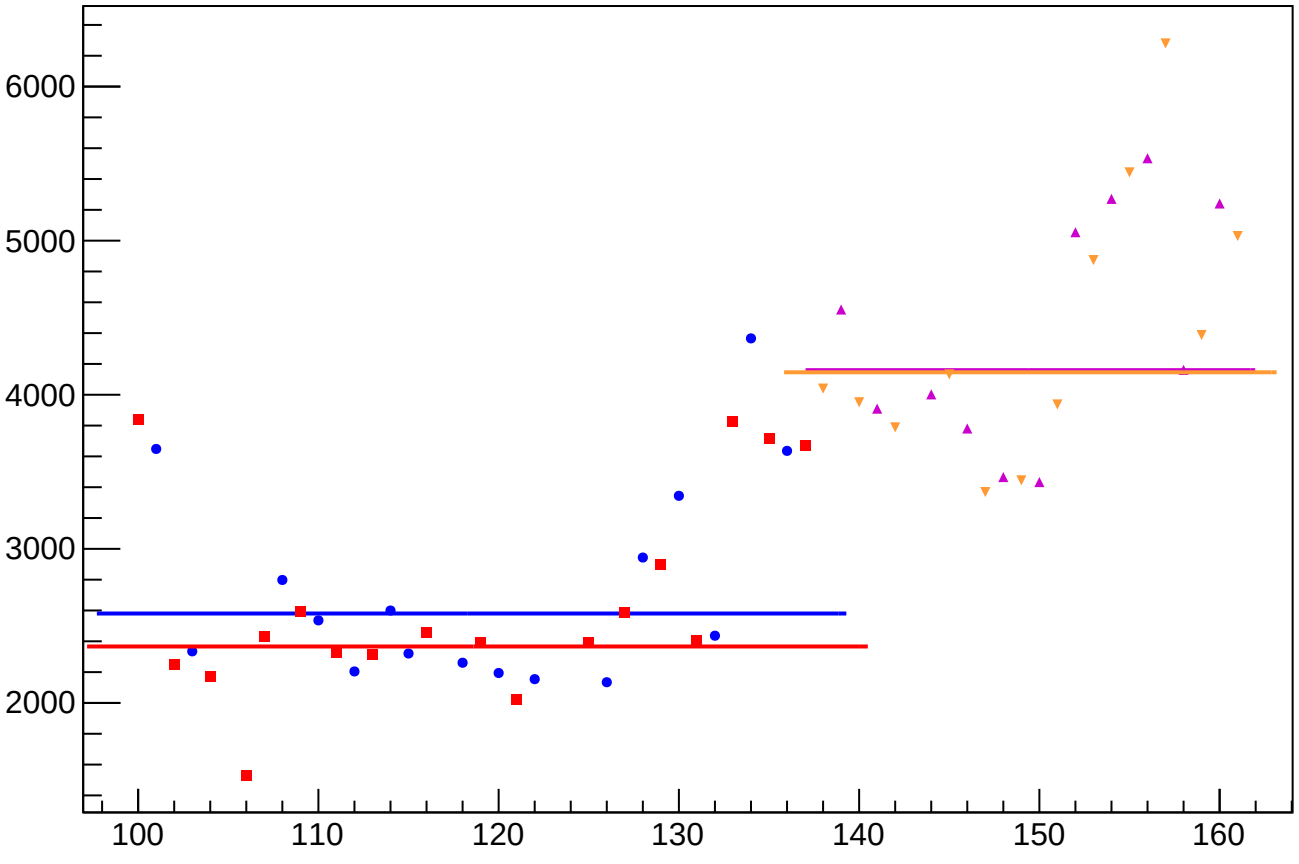
Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 1220.216+/-1367.500 χ^2/NDF:5.3/10

\+ sign 499.335+/-799.657 χ^2/NDF: 34.4/27

All: 501.873+/-546.404 χ^2/NDF: 57.2/56

\- sign 504.096+/-748.354 χ^2/NDF: 22.9/28



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4145.781+/-0.969 χ^2/NDF:546715.6/11

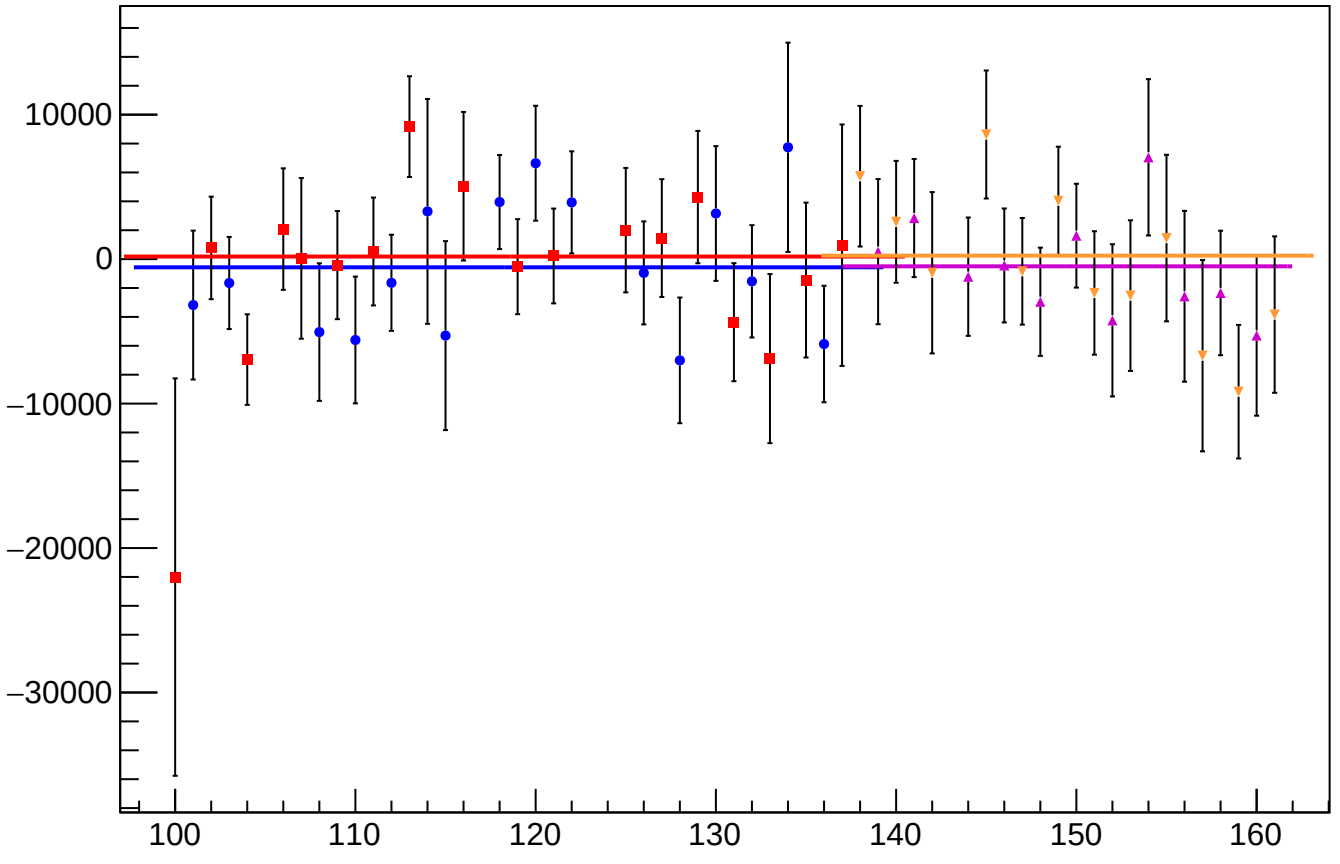
Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4159.617+/-0.967 χ^2/NDF:490656.2/10

+ sign 3113.814+/-0.565 χ^2/NDF: 2885660.9/27

All: 3001.655+/-0.386 χ^2/NDF: 6470959.9/56

- sign 2903.426+/-0.529 χ^2/NDF: 3511495.3/28



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 240.364+/-1346.465 χ^2/NDF:12.8/11

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

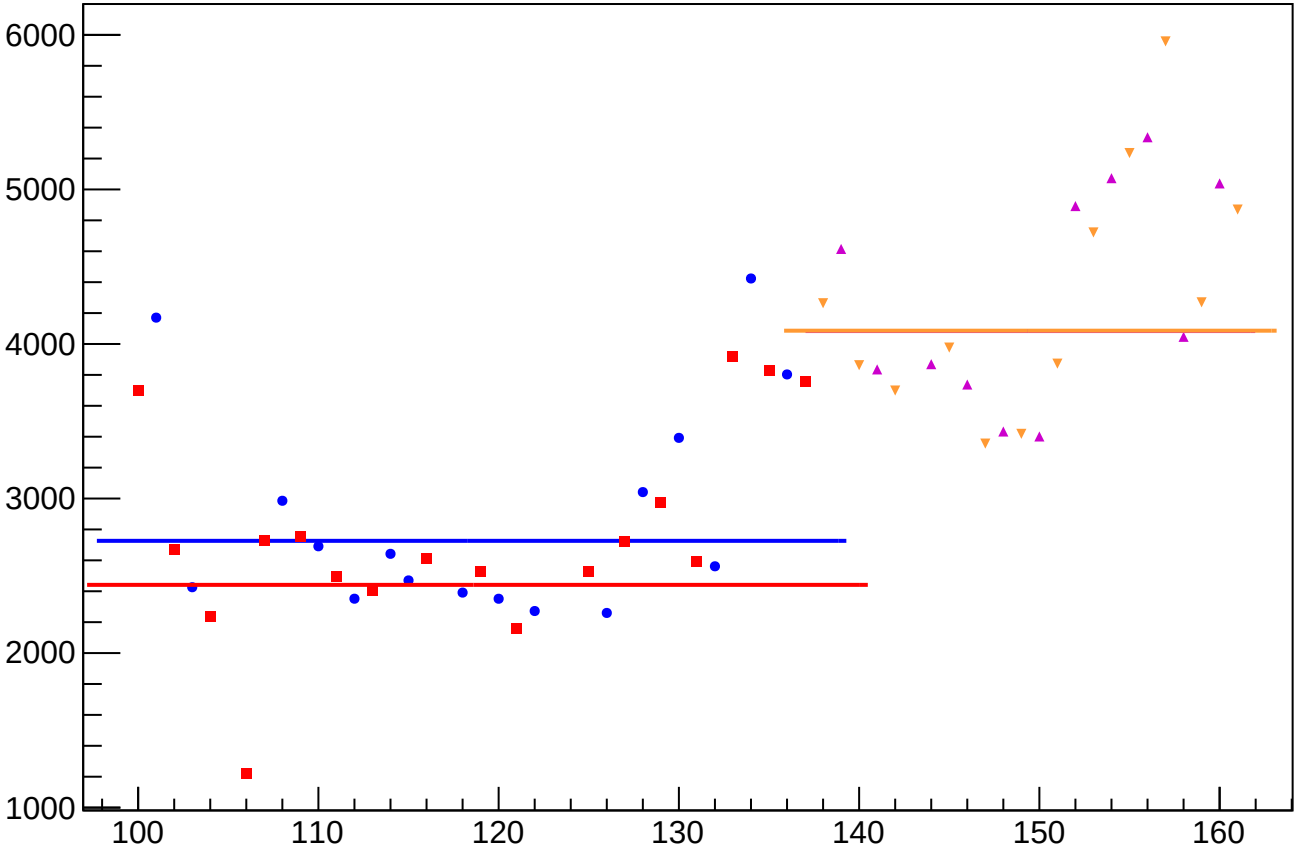
Left In: -499.157+/-1339.955 χ^2/NDF:5.0/10

+ sign -264.636+/-823.225 χ^2/NDF: 29.3/27

All: -158.923+/-572.021 χ^2/NDF: 54.0/56

- sign -60.232+/-795.411 χ^2/NDF: 24.7/28

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4086.049+/-0.952 χ^2/NDF:480159.3/11

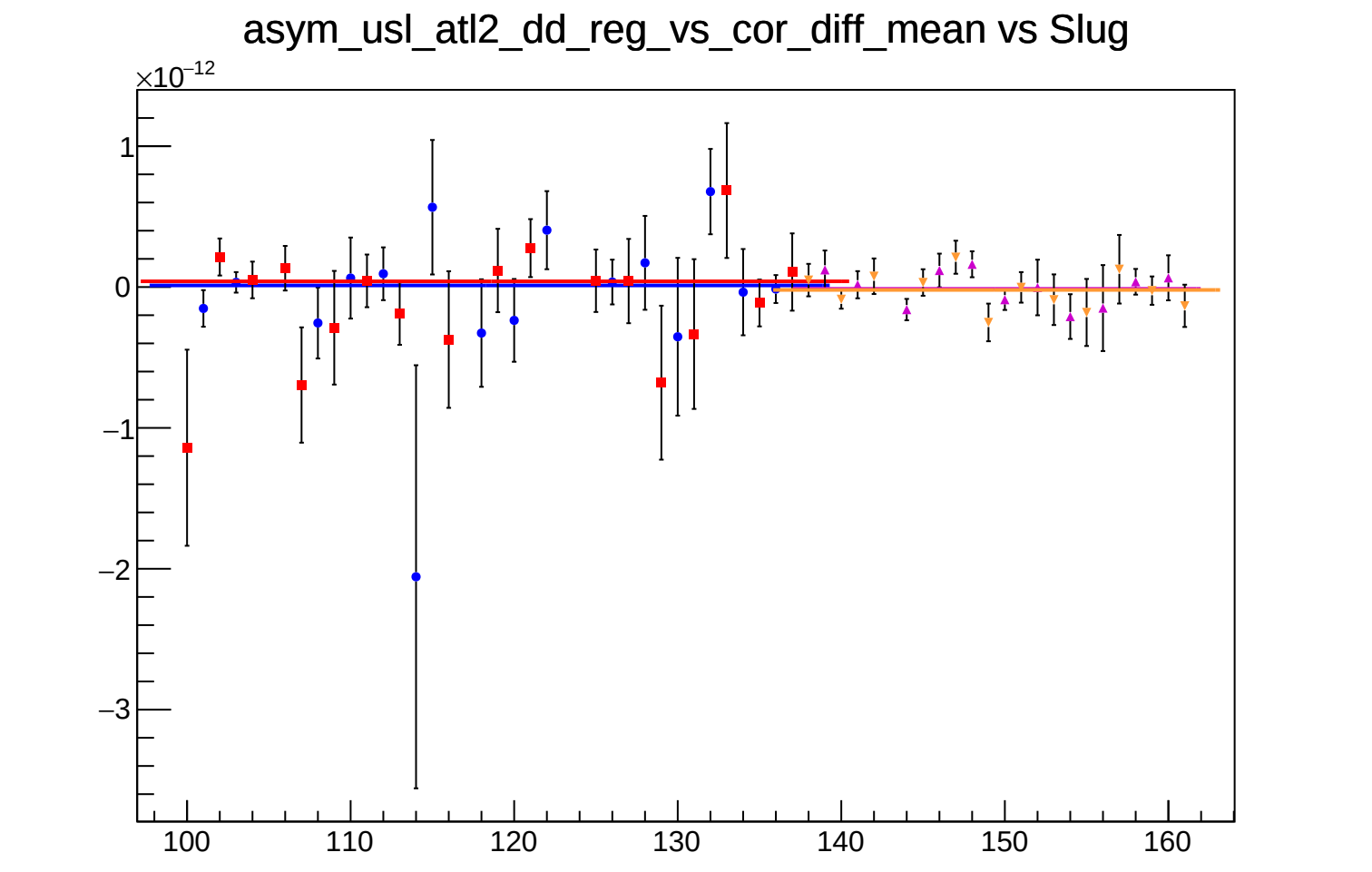
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4083.703+/-0.947 χ^2/NDF:446157.1/10

+ sign 3234.539+/-0.582 χ^2/NDF: 2380589.6/27

All: 3101.915+/-0.398 χ^2/NDF: 5824424.0/56

- sign 2985.499+/-0.545 χ^2/NDF: 3346360.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.7/11

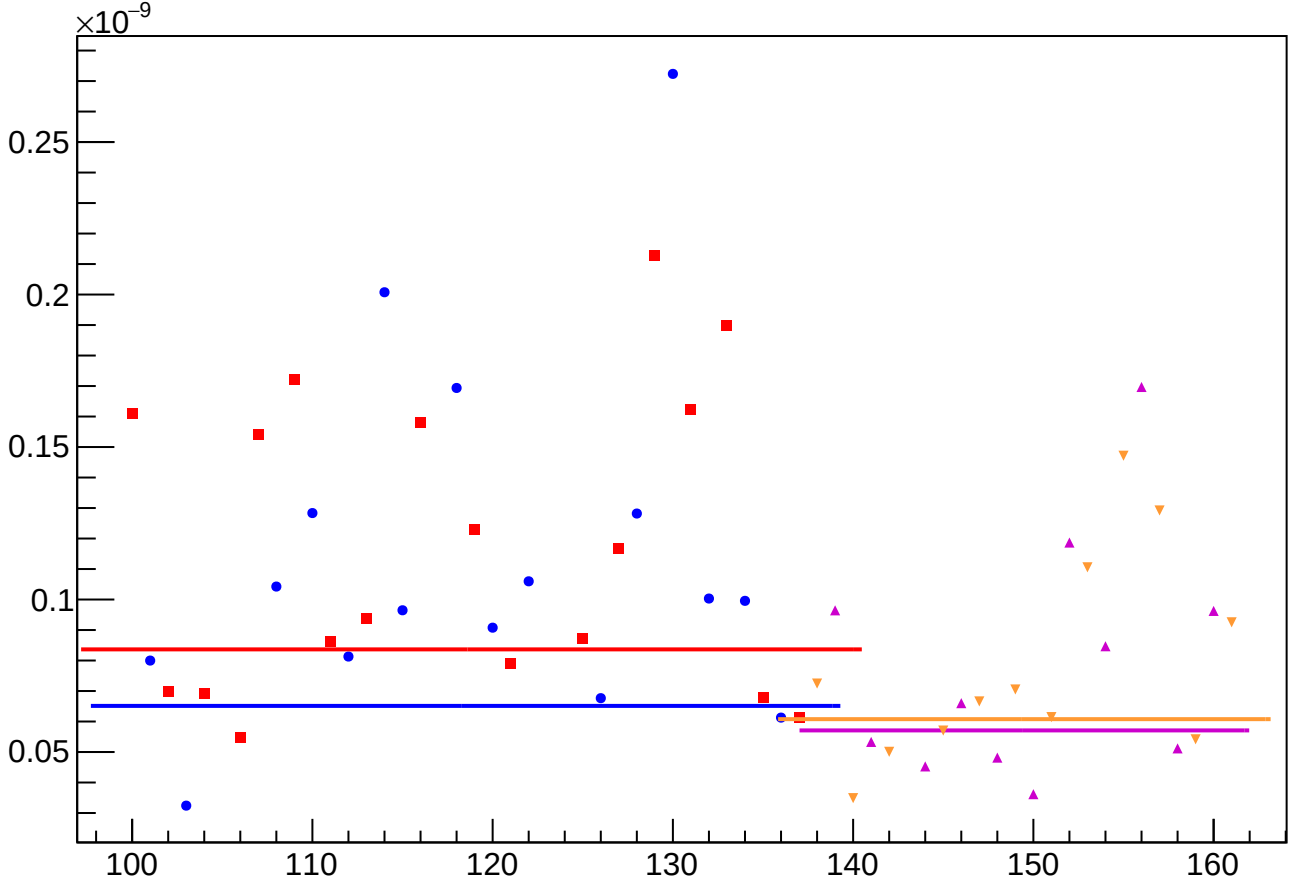
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 26.4/27

All: -0.000+/-0.000 χ^2/NDF: 57.2/56

- sign 0.000+/-0.000 χ^2/NDF: 30.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1026453.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

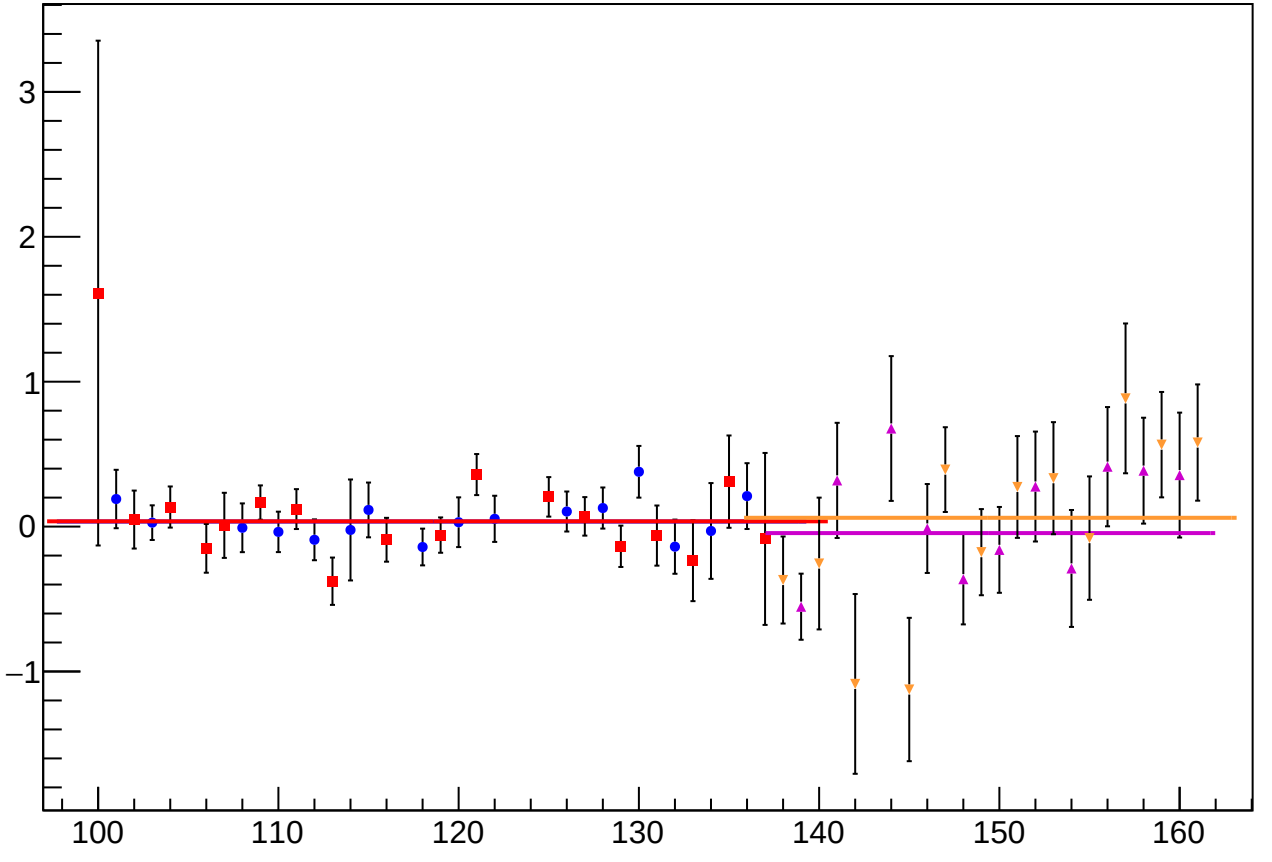
Left In: 0.000+/-0.000 χ^2/NDF:1064967.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 2261433.6/27

All: 0.000+/-0.000 χ^2/NDF: 4384659.4/56

- sign 0.000+/-0.000 χ^2/NDF: 2118191.4/28

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: 0.061+/-0.109 χ^2/NDF:20.7/11

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

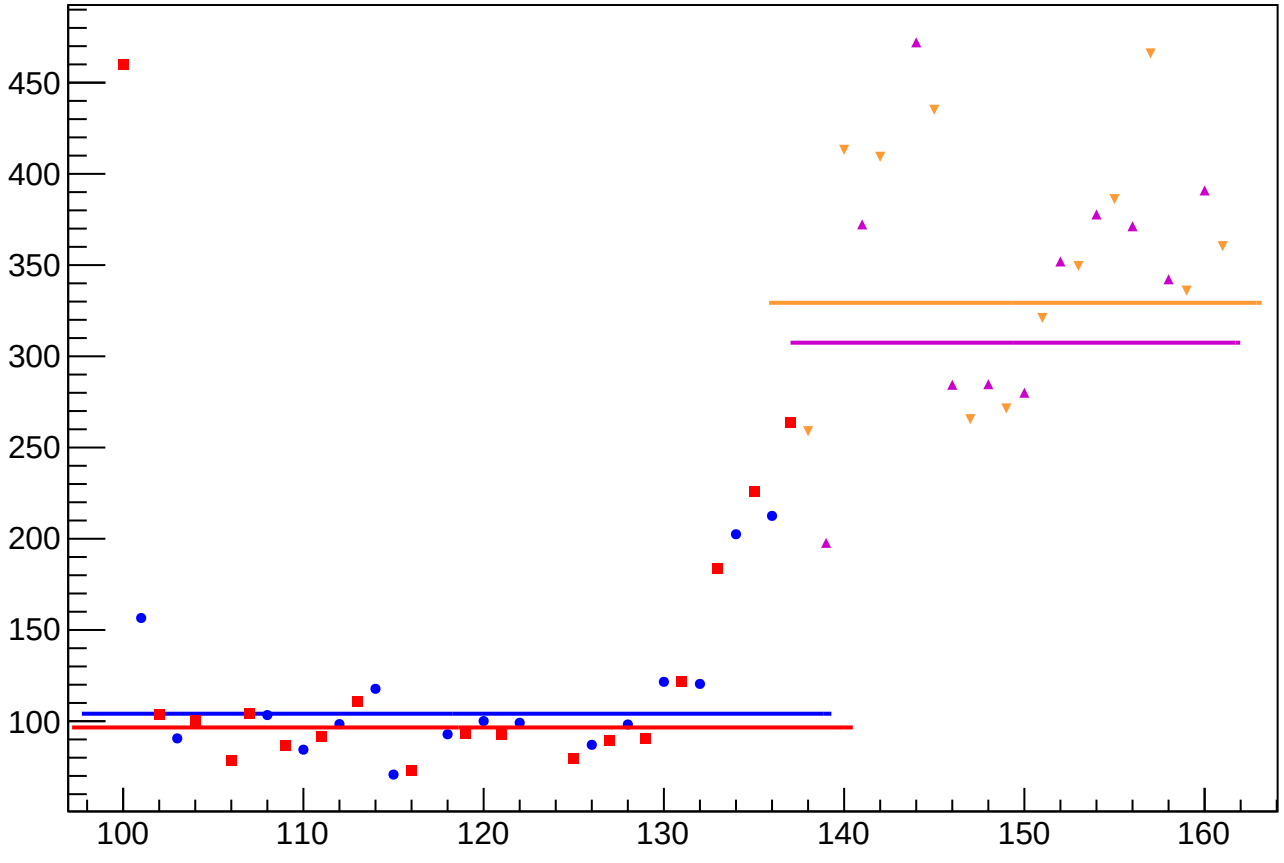
Left In: -0.045+/-0.103 χ^2/NDF:13.7/10

+ sign 0.038+/-0.038 χ^2/NDF: 30.5/27

All: 0.032+/-0.026 χ^2/NDF: 66.8/56

- sign 0.026+/-0.036 χ^2/NDF: 36.3/28

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 329.329+/-0.077 χ^2/NDF:668197.8/11

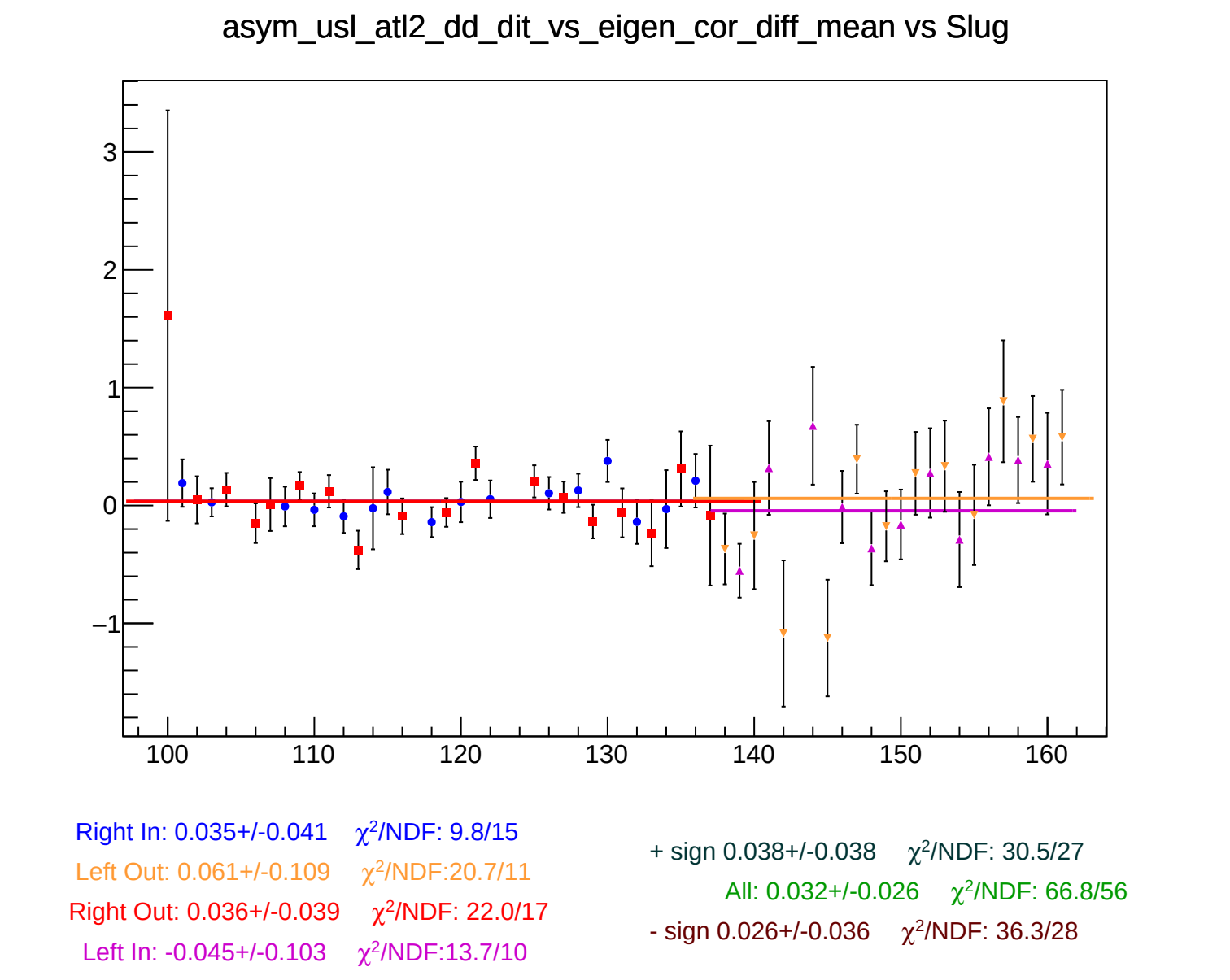
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 307.461+/-0.073 χ^2/NDF:1001380.5/10

+ sign 131.837+/-0.027 χ^2/NDF: 9079919.1/27

All: 127.054+/-0.019 χ^2/NDF: 18395861.9/56

- sign 122.759+/-0.026 χ^2/NDF: 9257108.4/28


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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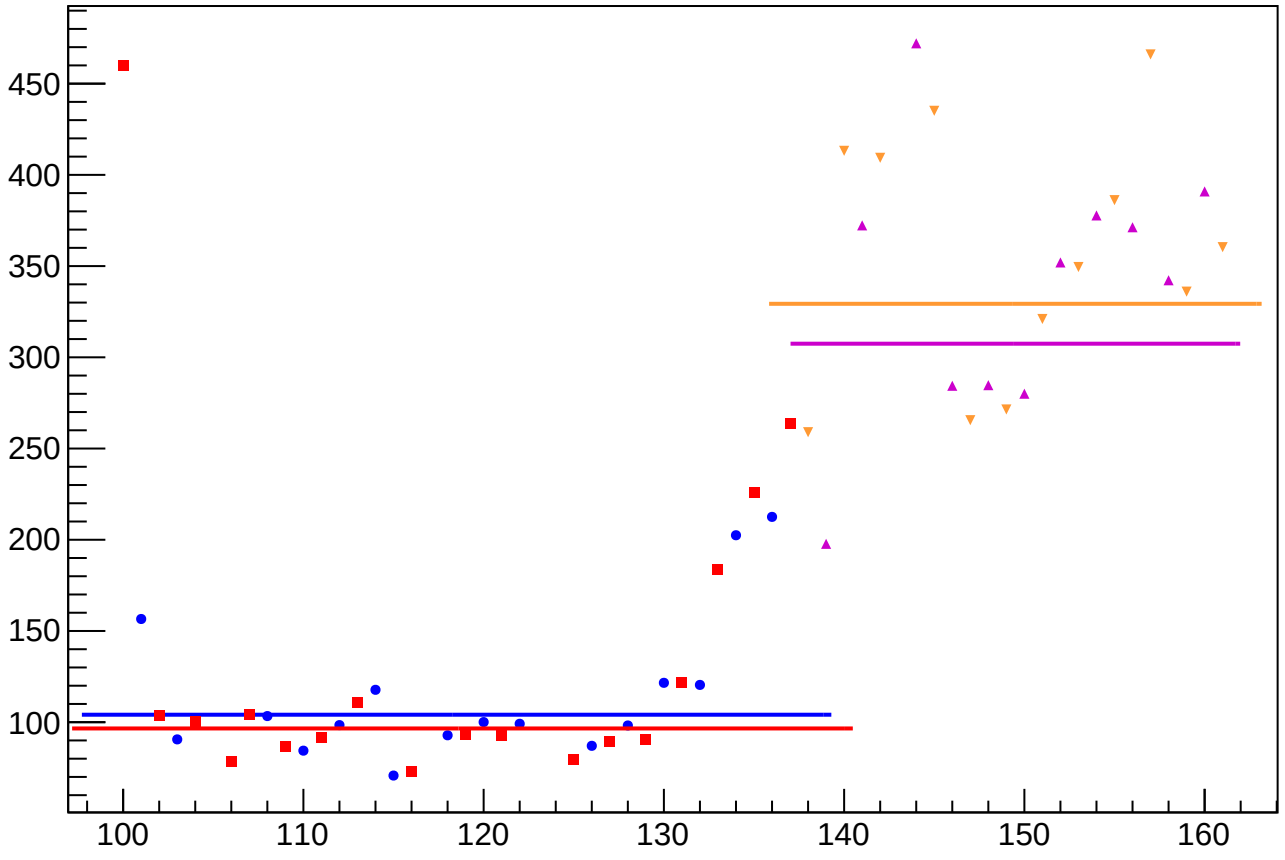
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.061+/-0.109 χ²/NDF:20.7/11
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.045+/-0.103 χ²/NDF:13.7/10
+ sign 0.038+/-0.038 χ²/NDF: 30.5/27
All: 0.032+/-0.026 χ²/NDF: 66.8/56
- sign 0.026+/-0.036 χ²/NDF: 36.3/28



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 329.329+/-0.077 χ^2/NDF:668197.8/11

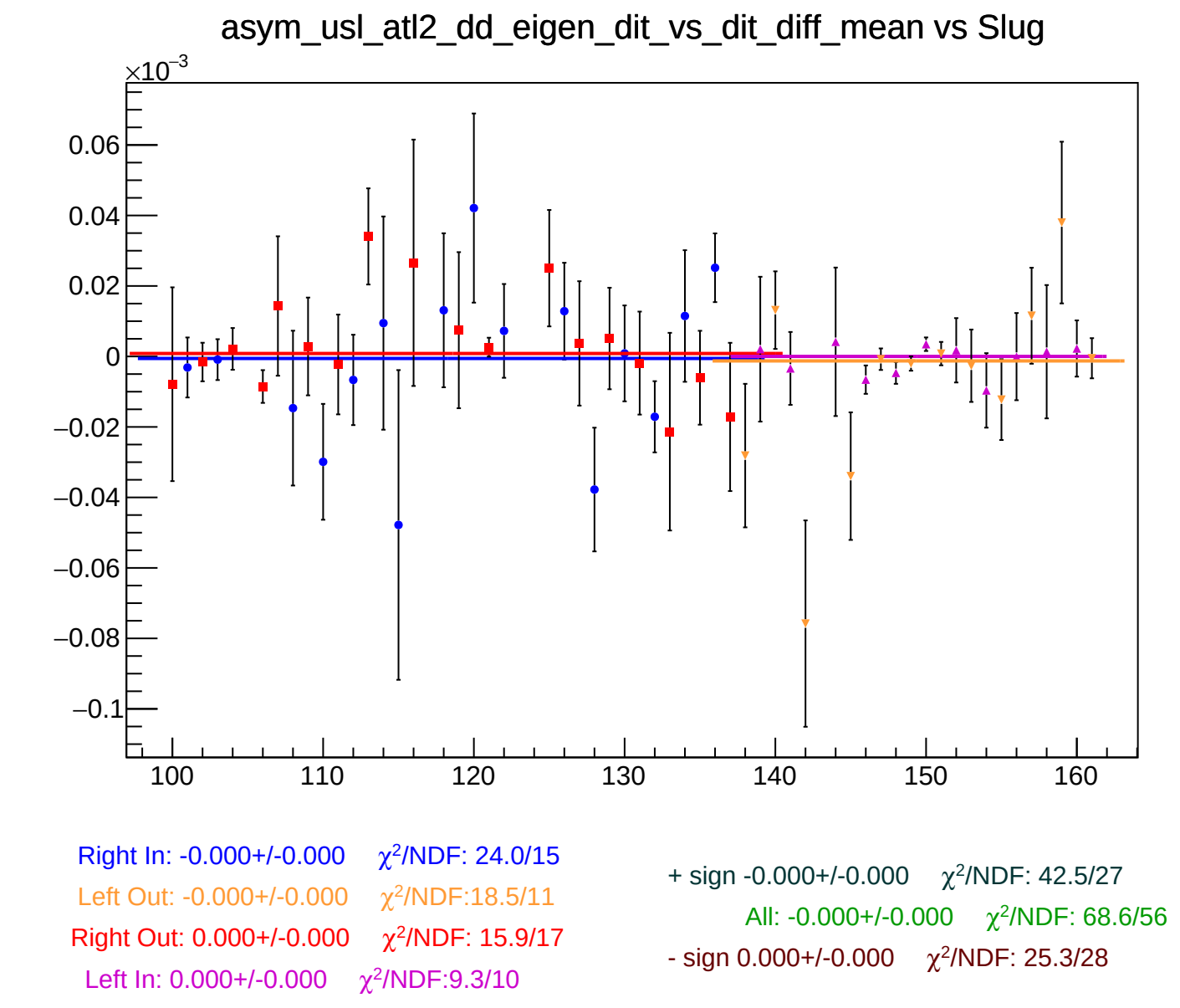
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 307.461+/-0.073 χ^2/NDF:1001380.5/10

+ sign 131.837+/-0.027 χ^2/NDF: 9079919.1/27

All: 127.054+/-0.019 χ^2/NDF: 18395861.9/56

- sign 122.759+/-0.026 χ^2/NDF: 9257108.4/28


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
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−0.02
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−0.08
−0.1
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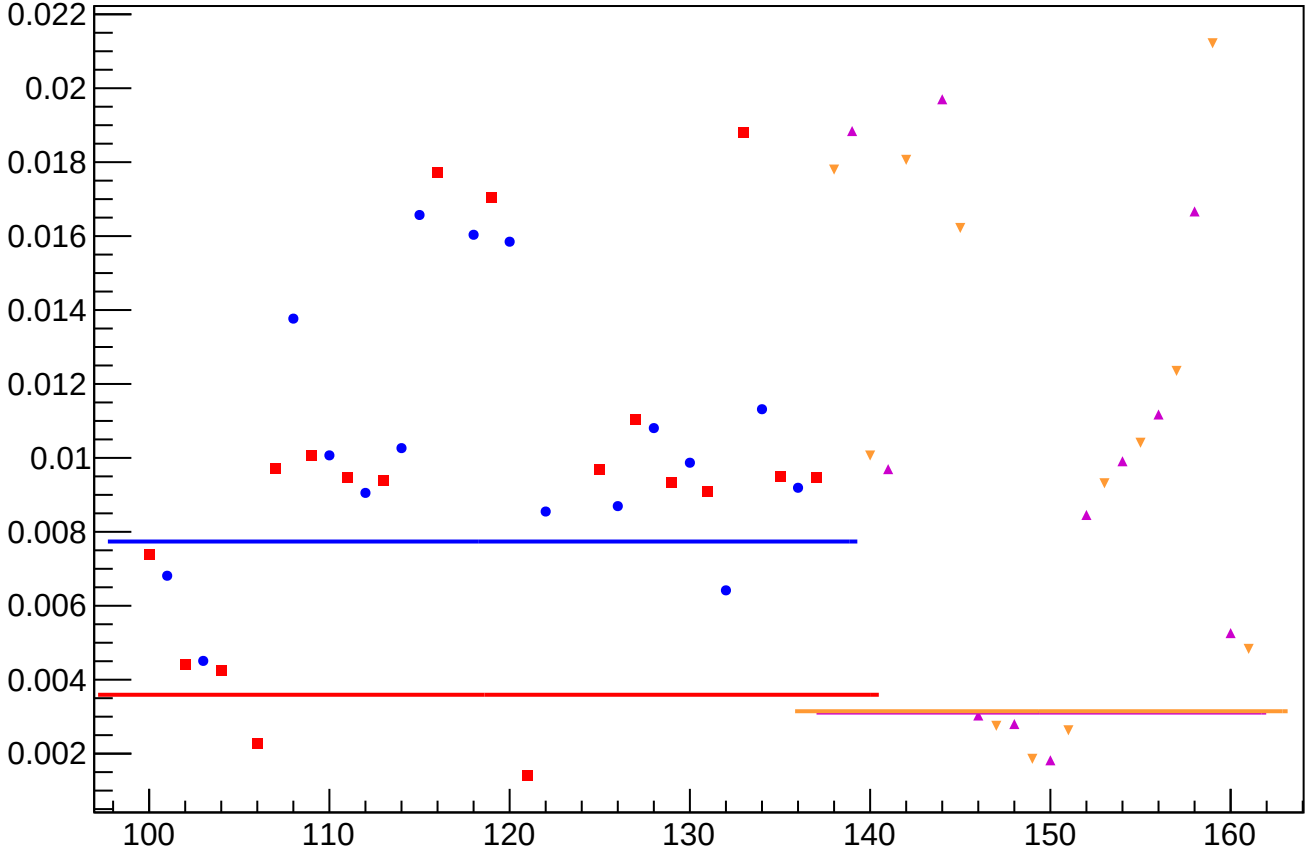
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:18.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:9.3/10
+ sign -0.000+/-0.000 χ²/NDF: 42.5/27
All: -0.000+/-0.000 χ²/NDF: 68.6/56
- sign 0.000+/-0.000 χ²/NDF: 25.3/28

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:8122958.0/11

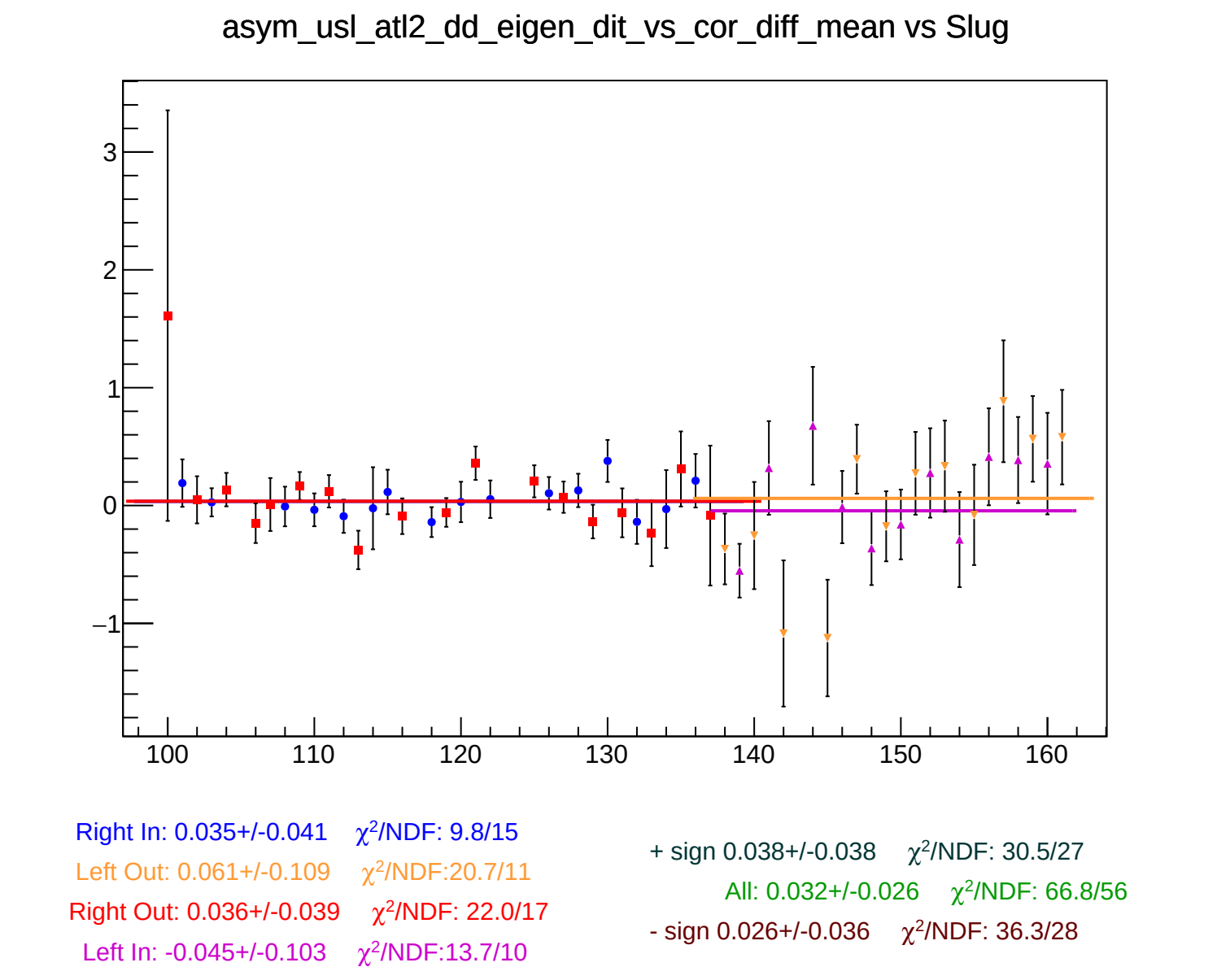
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:7681712.3/10

+ sign 0.004+/-0.000 χ^2/NDF: 13444274.8/27

All: 0.004+/-0.000 χ^2/NDF: 27851516.4/56

- sign 0.003+/-0.000 χ^2/NDF: 14132486.2/28


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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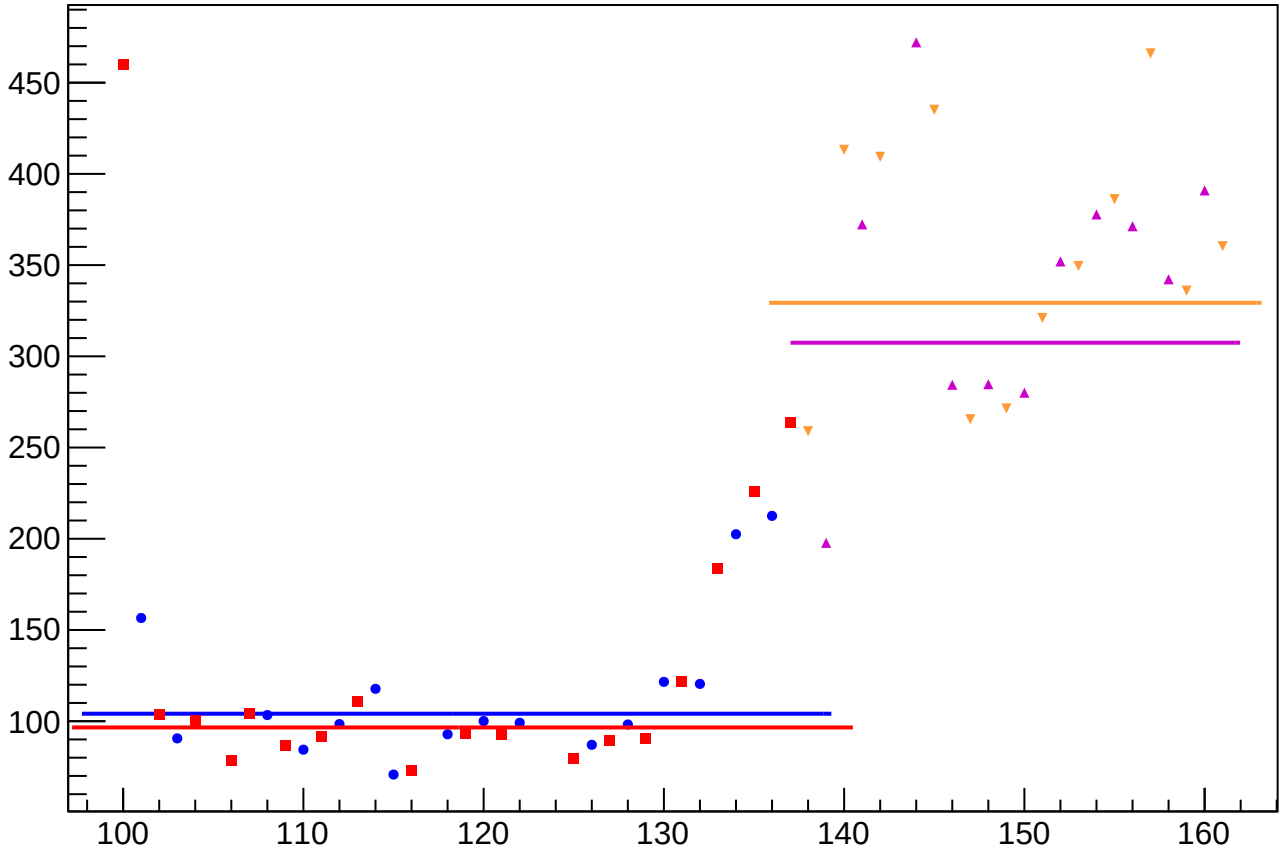
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.061+/-0.109 χ²/NDF:20.7/11
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.045+/-0.103 χ²/NDF:13.7/10
+ sign 0.038+/-0.038 χ²/NDF: 30.5/27
All: 0.032+/-0.026 χ²/NDF: 66.8/56
- sign 0.026+/-0.036 χ²/NDF: 36.3/28

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 329.331+/-0.077 χ^2/NDF:668251.2/11

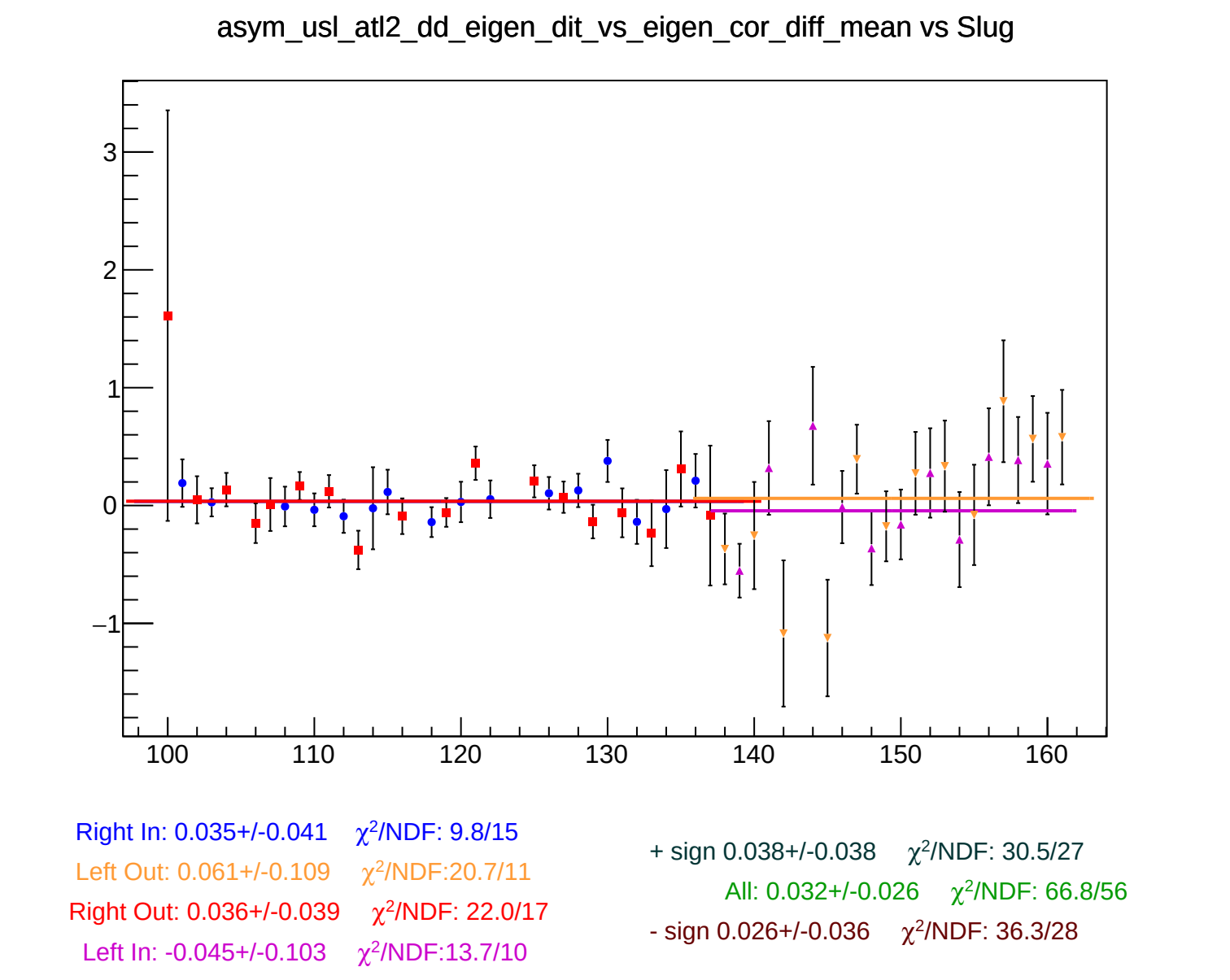
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 307.466+/-0.073 χ^2/NDF:1001366.8/10

+ sign 131.838+/-0.027 χ^2/NDF: 9079917.5/27

All: 127.055+/-0.019 χ^2/NDF: 18395786.6/56

- sign 122.761+/-0.026 χ^2/NDF: 9257042.7/28


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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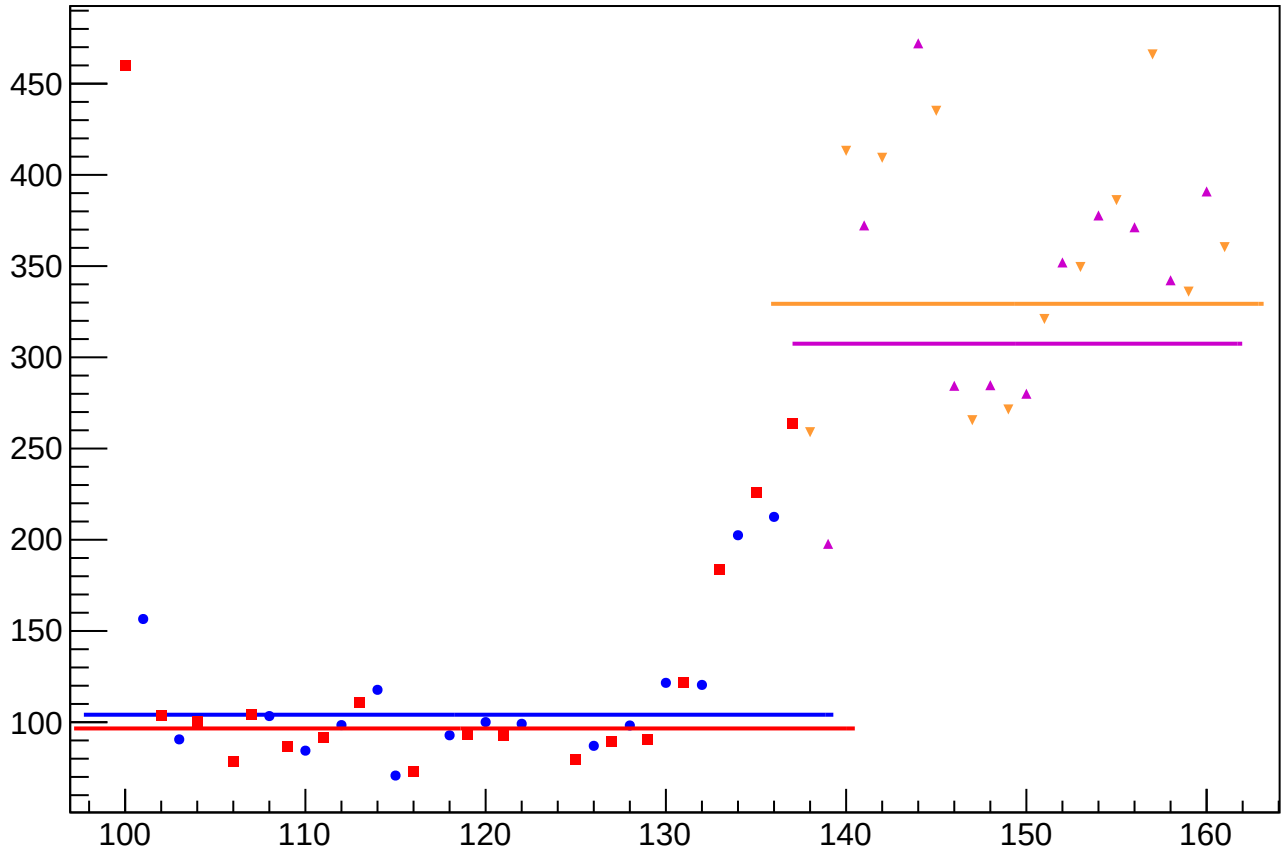
130
140
150
160
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.061+/-0.109 χ²/NDF:20.7/11
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.045+/-0.103 χ²/NDF:13.7/10
+ sign 0.038+/-0.038 χ²/NDF: 30.5/27
All: 0.032+/-0.026 χ²/NDF: 66.8/56
- sign 0.026+/-0.036 χ²/NDF: 36.3/28



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 329.331+/-0.077 χ^2/NDF:668251.2/11

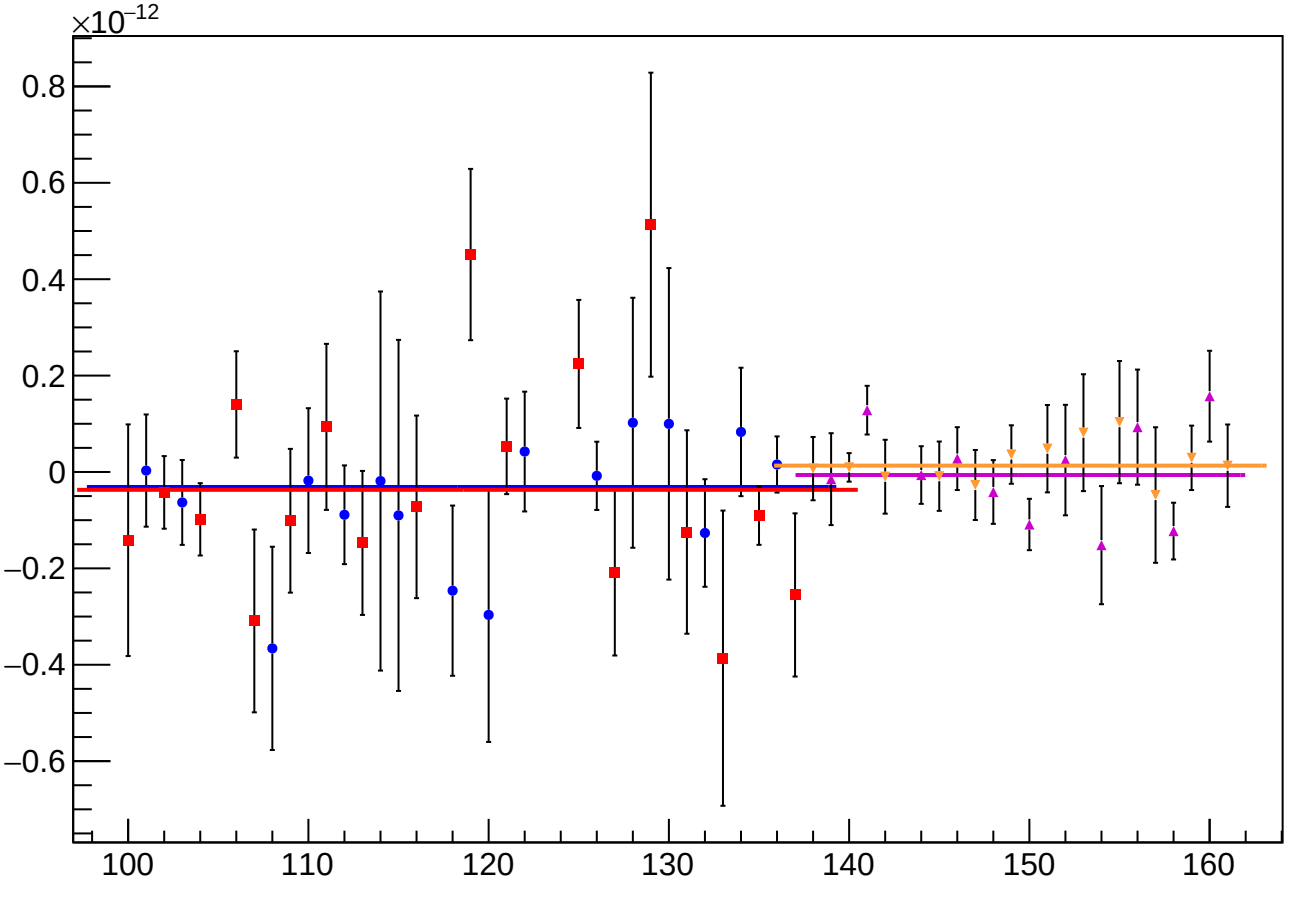
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 307.466+/-0.073 χ^2/NDF:1001366.8/10

+ sign 131.838+/-0.027 χ^2/NDF: 9079917.5/27

All: 127.055+/-0.019 χ^2/NDF: 18395786.6/56

- sign 122.761+/-0.026 χ^2/NDF: 9257042.7/28



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/11

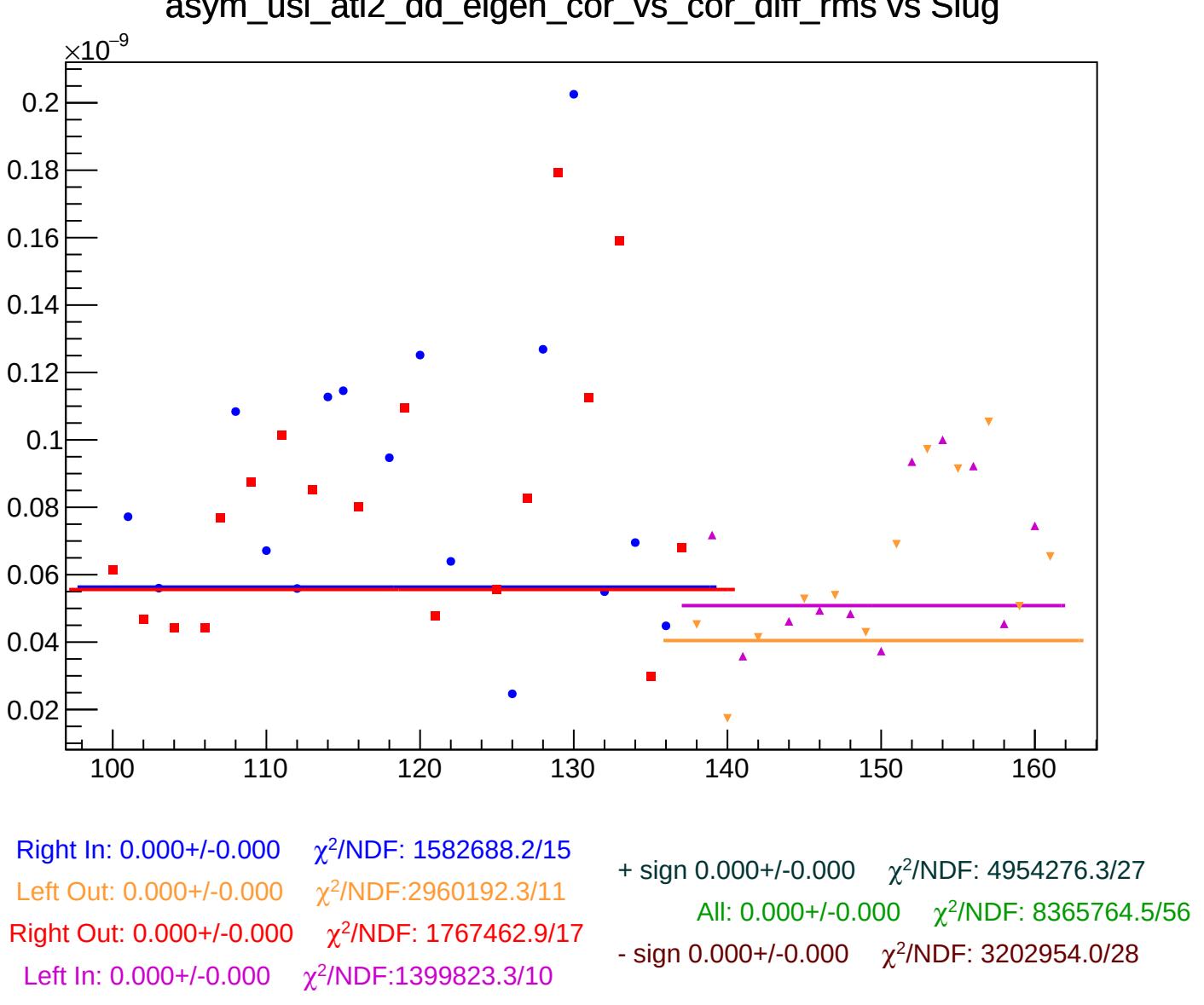
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:20.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 12.1/27

All: -0.000+/-0.000 χ^2/NDF: 60.9/56

- sign -0.000+/-0.000 χ^2/NDF: 48.2/28


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
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0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
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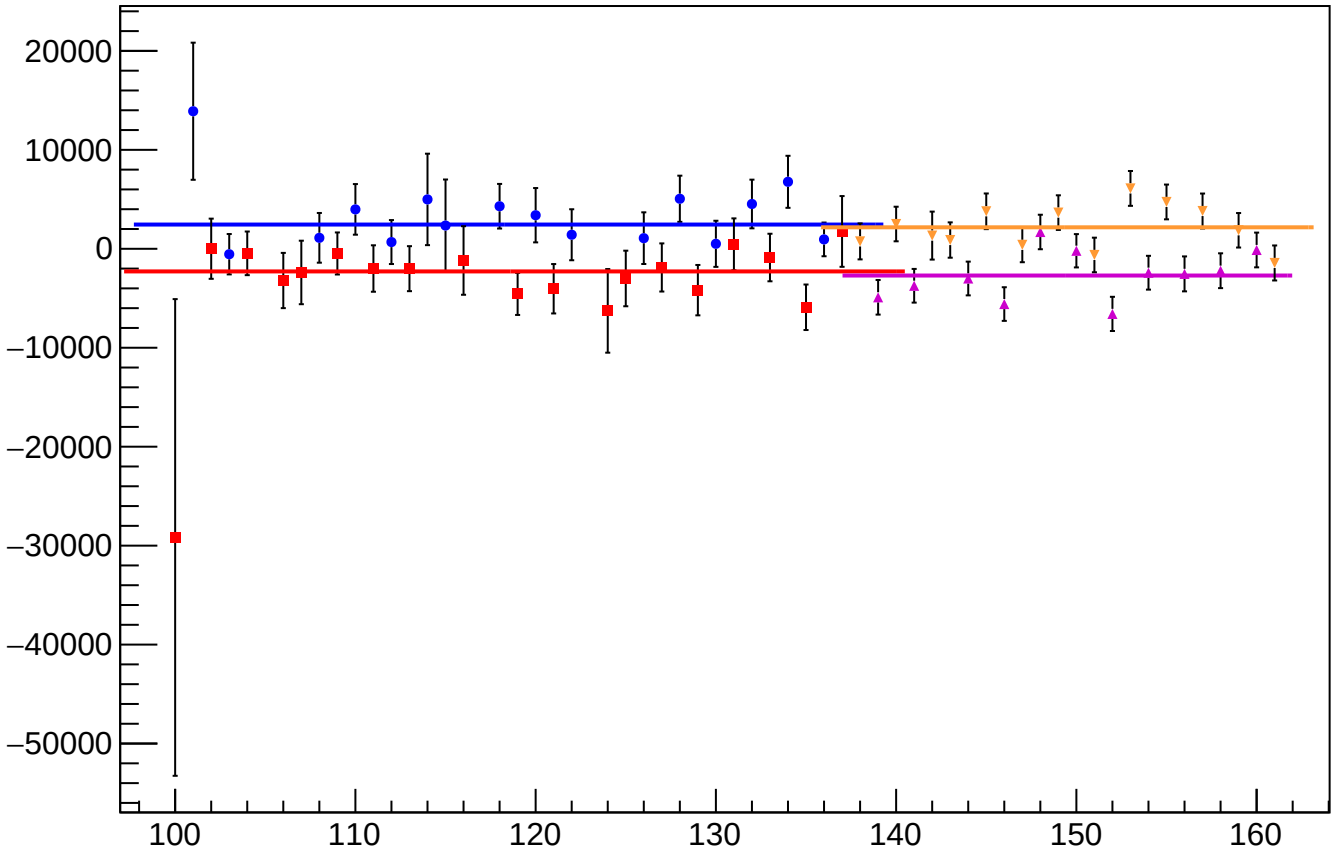
160
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2960192.3/11
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:1399823.3/10
+ sign 0.000+/-0.000 χ²/NDF: 4954276.3/27
All: 0.000+/-0.000 χ²/NDF: 8365764.5/56
- sign 0.000+/-0.000 χ²/NDF: 3202954.0/28



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2171.136+/-499.011 χ^2/NDF:18.5/12

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

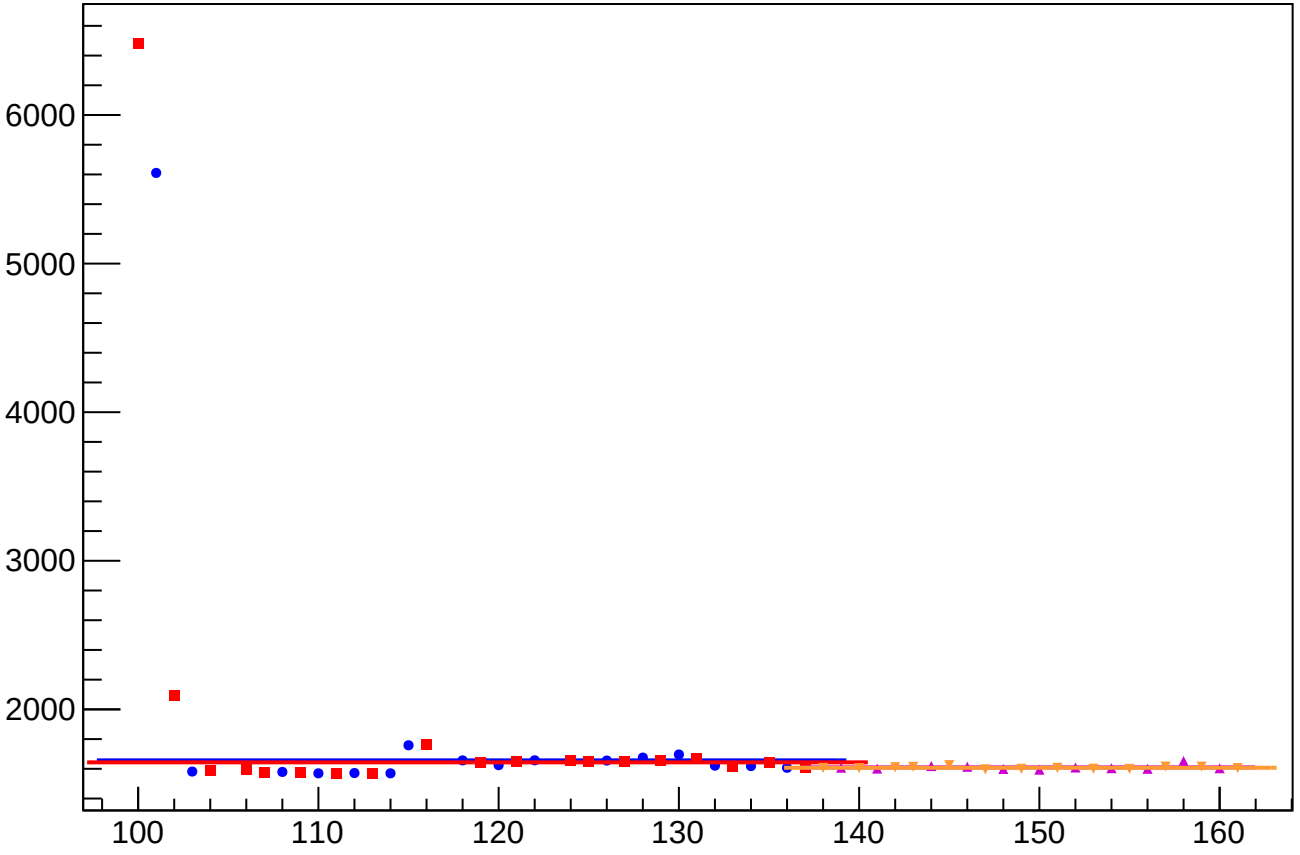
Left In: -2701.842+/-520.593 χ^2/NDF:20.8/10

+ sign 2278.578+/-391.225 χ^2/NDF: 32.5/28

All: -96.313+/-278.227 χ^2/NDF: 139.9/58

- sign -2526.563+/-395.758 χ^2/NDF: 32.9/29

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1607.170+/-0.353 χ^2/NDF:467.1/12

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

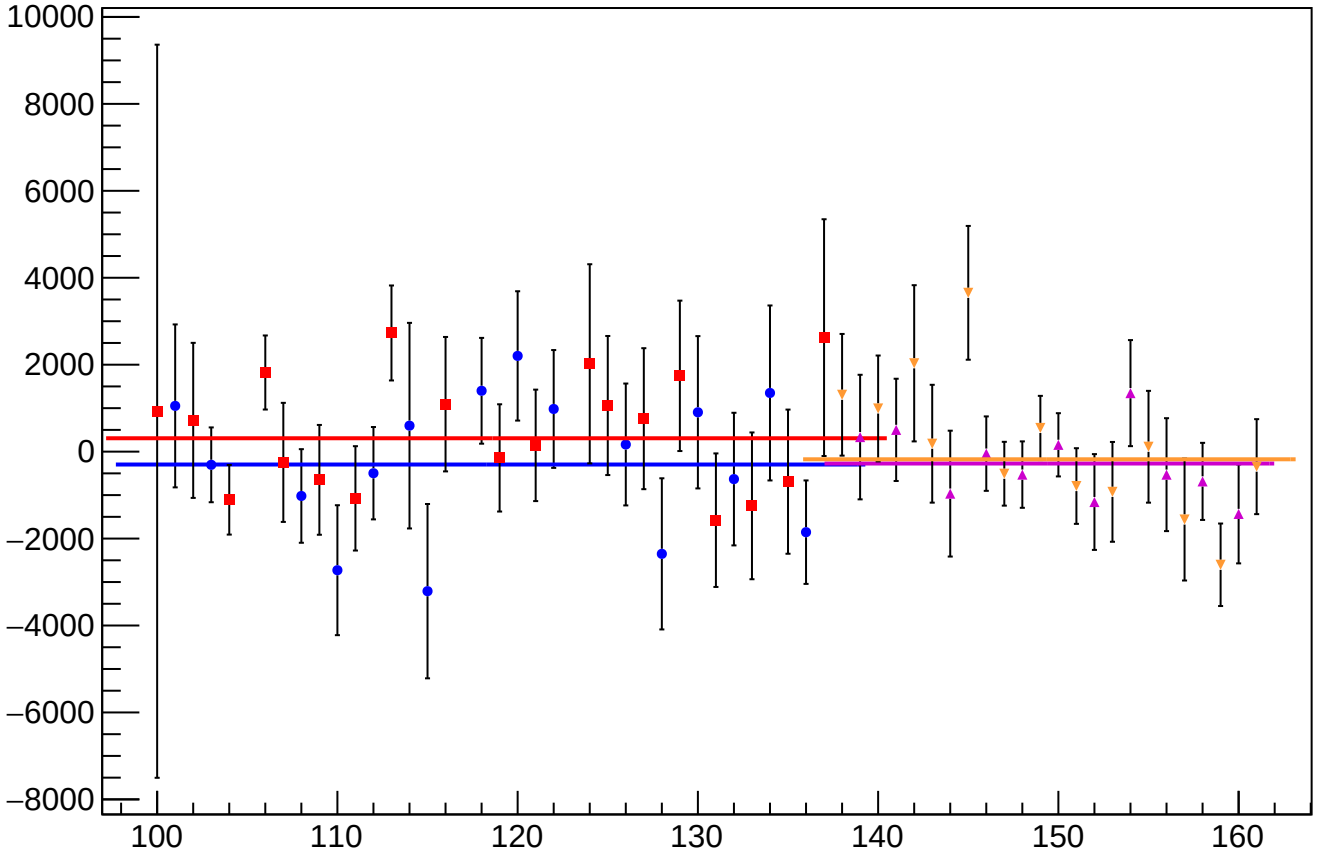
Left In: 1609.551+/-0.368 χ^2/NDF:1647.6/10

+ sign 1626.250+/-0.277 χ^2/NDF: 674280.9/28

All: 1625.064+/-0.197 χ^2/NDF: 816538.8/58

- sign 1623.851+/-0.280 χ^2/NDF: 142220.7/29

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -176.185+/-297.598 χ^2/NDF:19.5/12

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

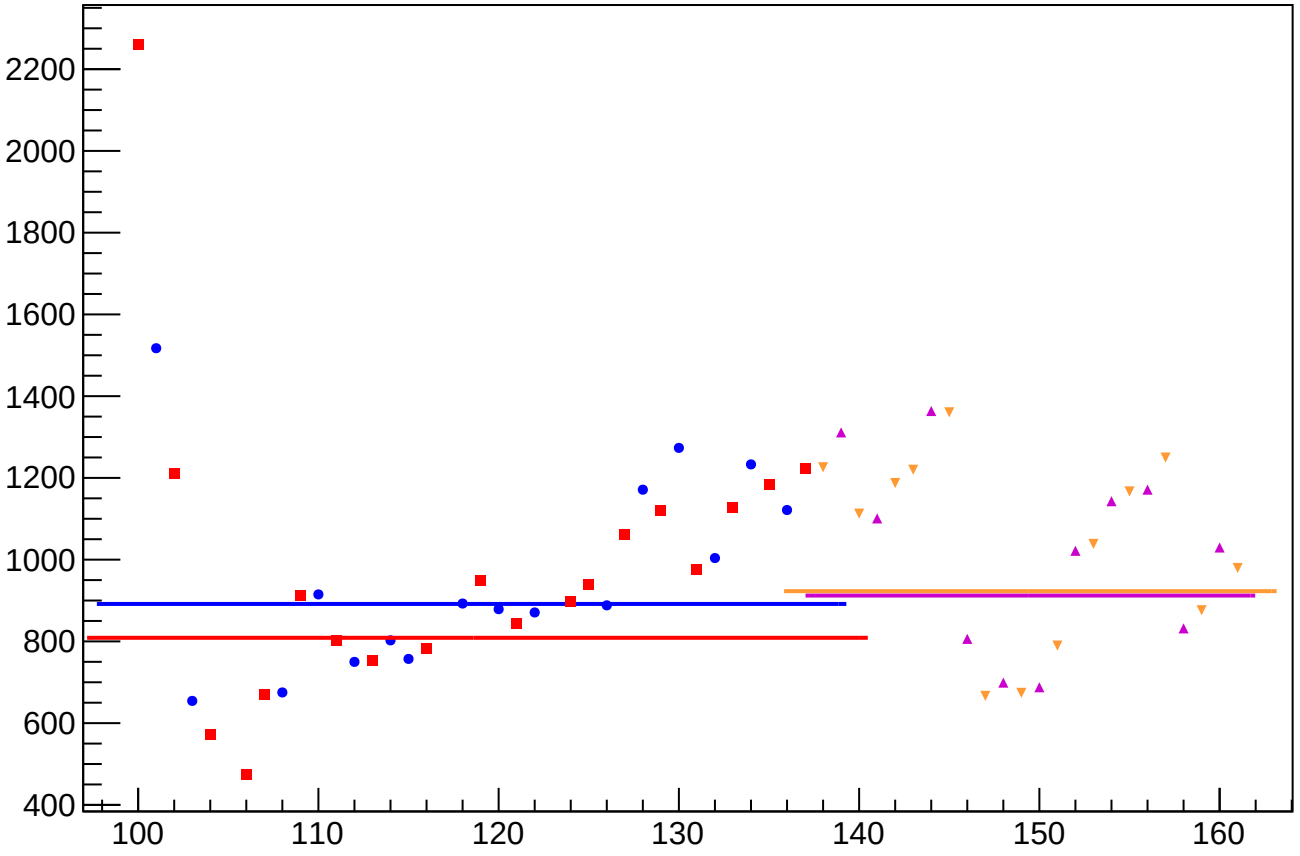
Left In: -273.239+/-304.478 χ^2/NDF:5.1/10

+ sign -227.761+/-224.907 χ^2/NDF: 35.5/28

All: -105.706+/-156.623 χ^2/NDF: 61.6/58

- sign 9.222+/-218.241 χ^2/NDF: 25.5/29

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 922.895+/-0.210 χ^2/NDF:1172044.6/12

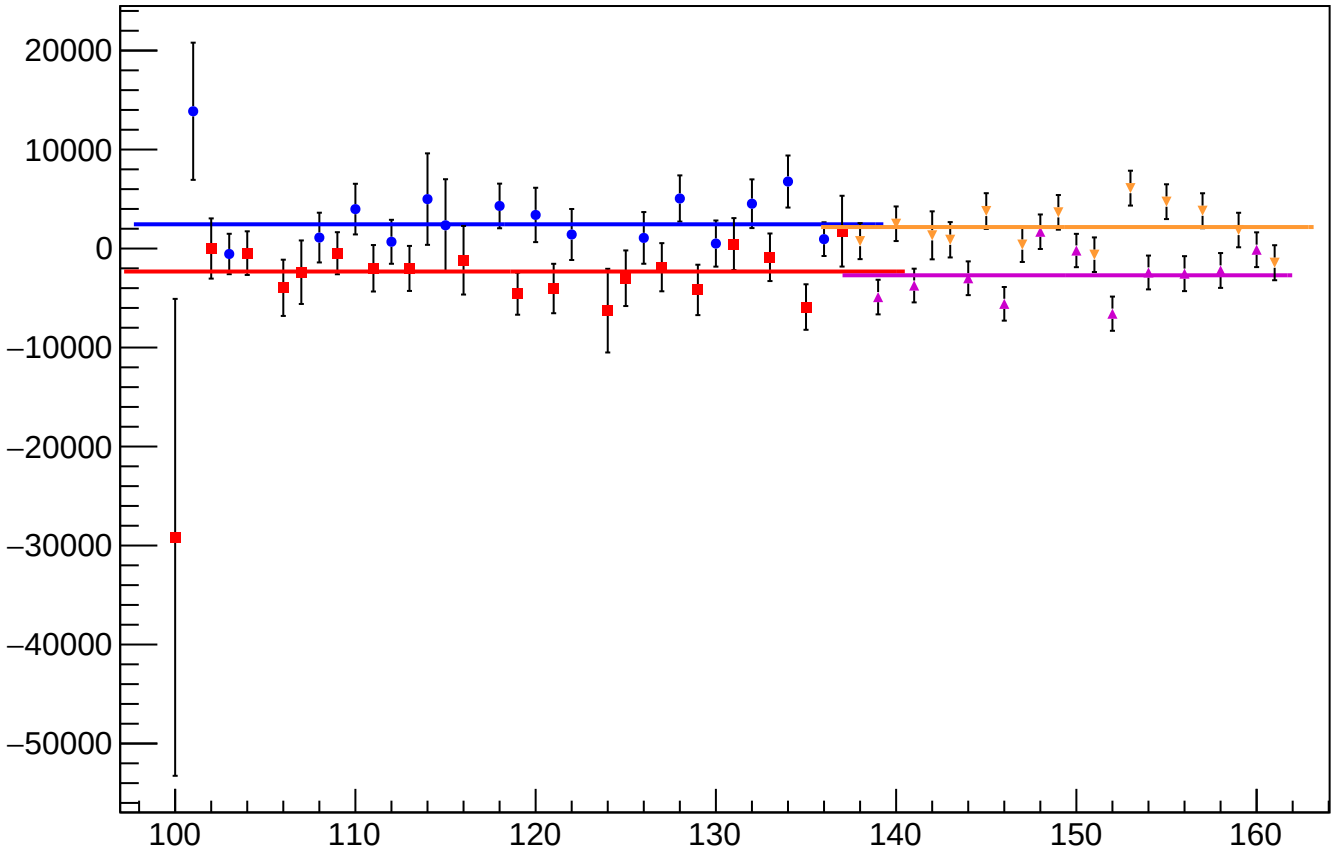
Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 912.200+/-0.215 χ^2/NDF:986250.6/10

+ sign 909.488+/-0.159 χ^2/NDF: 1975406.5/28

All: 884.992+/-0.111 χ^2/NDF: 4203694.3/58

- sign 861.927+/-0.154 χ^2/NDF: 2182223.9/29



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2171.122+/-499.011 χ^2/NDF:18.5/12

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

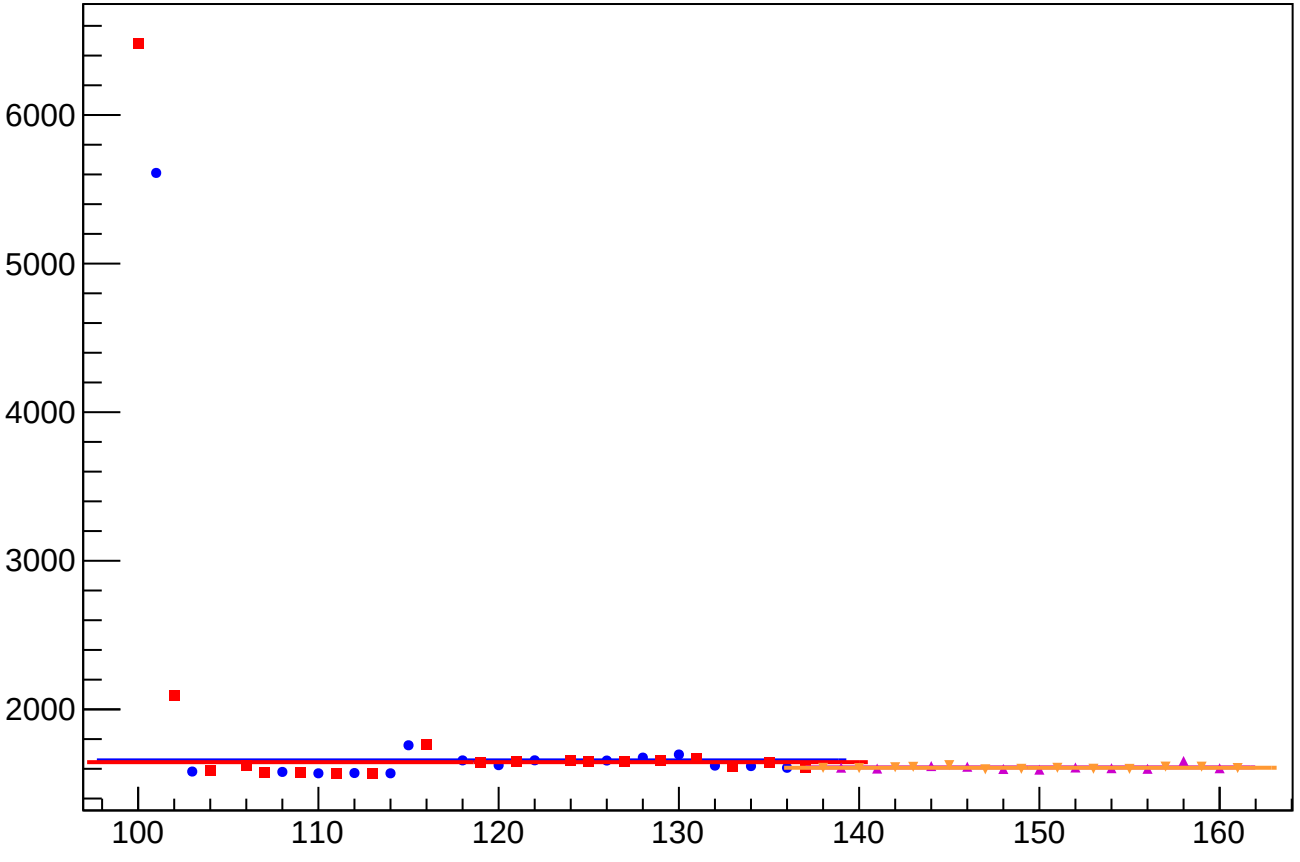
Left In: -2701.858+/-520.593 χ^2/NDF:20.8/10

+ sign 2278.353+/-391.225 χ^2/NDF: 32.5/28

All: -102.766+/-278.274 χ^2/NDF: 140.5/58

- sign -2541.076+/-395.895 χ^2/NDF: 33.1/29

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.170+/-0.353 χ^2/NDF:467.1/12

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

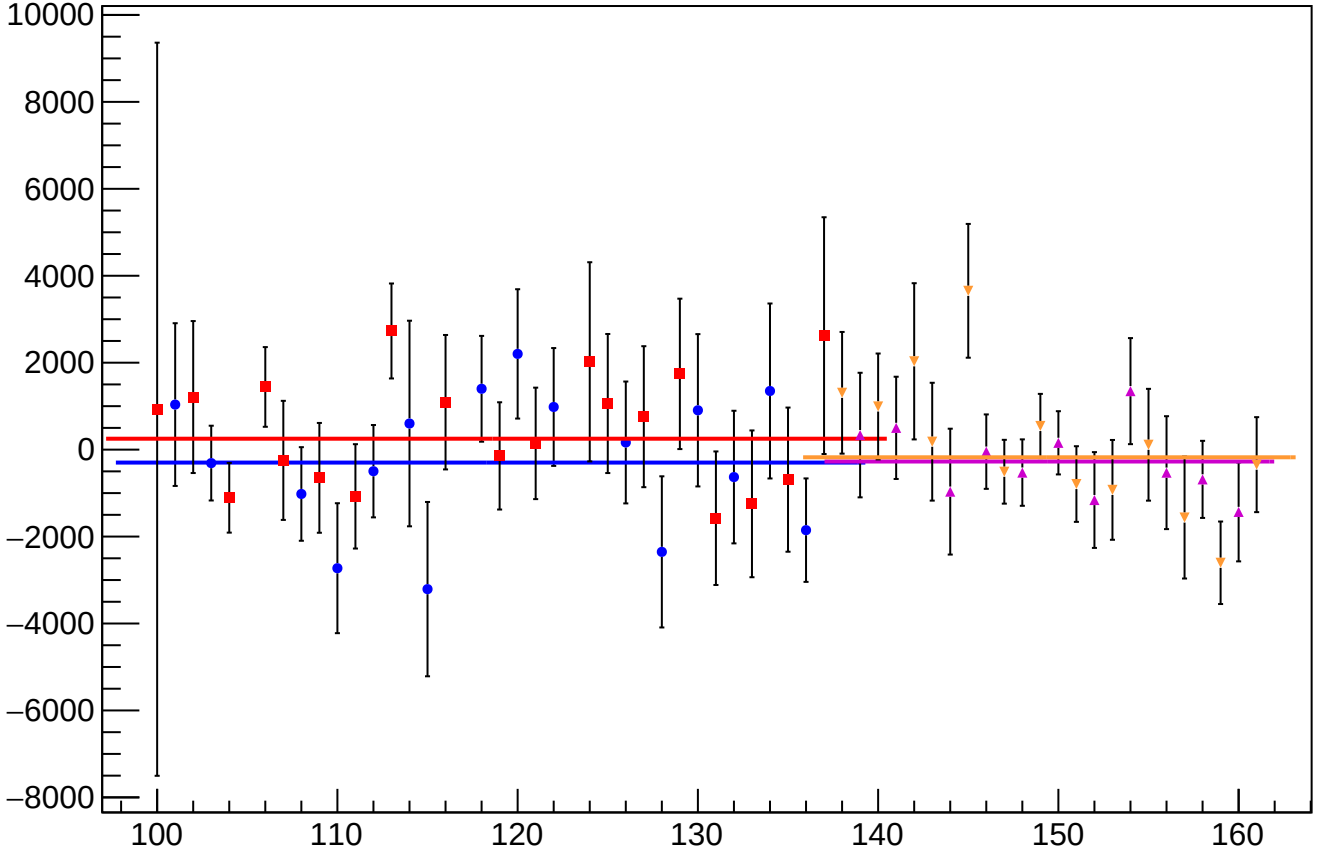
Left In: 1609.551+/-0.368 χ^2/NDF:1647.6/10

+ sign 1626.250+/-0.277 χ^2/NDF: 674280.4/28

All: 1625.329+/-0.197 χ^2/NDF: 816285.3/58

- sign 1624.386+/-0.280 χ^2/NDF: 141982.5/29

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -176.267+/-297.596 χ^2/NDF:19.5/12

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

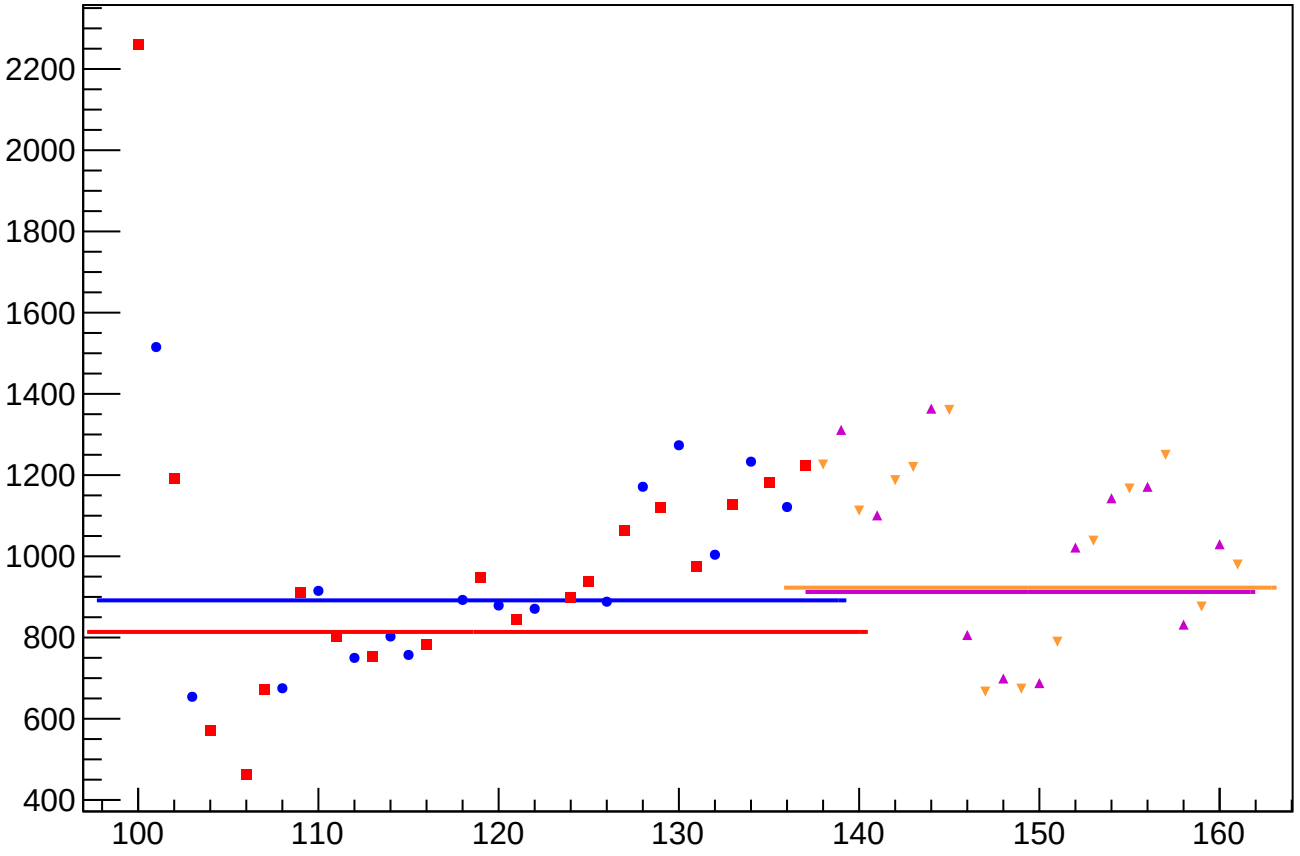
Left In: -273.251+/-304.479 χ^2/NDF:5.1/10

+ sign -228.392+/-224.893 χ^2/NDF: 35.5/28

All: -121.789+/-156.963 χ^2/NDF: 59.7/58

- sign -20.537+/-219.175 χ^2/NDF: 23.8/29

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 922.885+/-0.210 χ^2/NDF:1172124.8/12

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

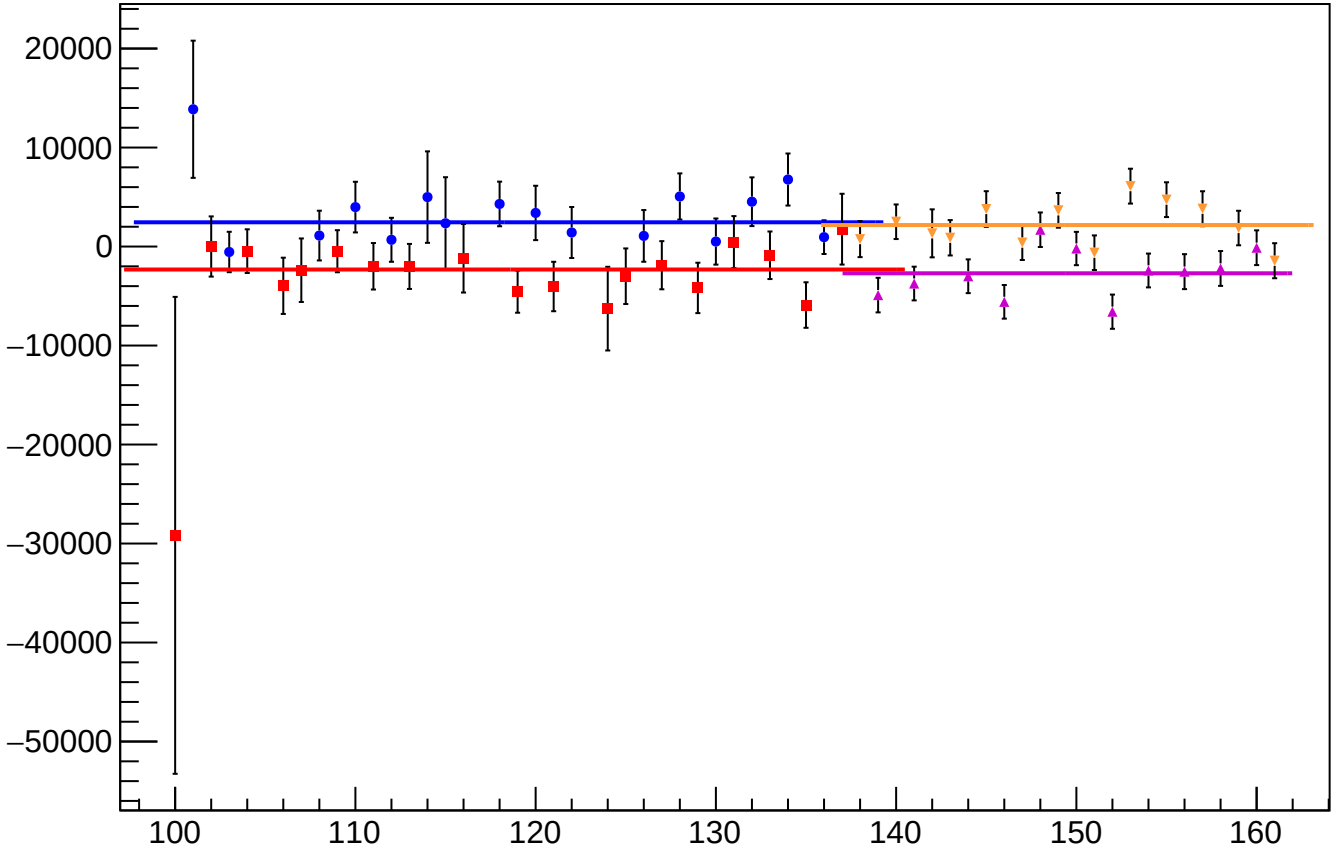
Left In: 912.205+/-0.215 χ^2/NDF:986216.8/10

+ sign 909.438+/-0.159 χ^2/NDF: 1975303.2/28

All: 886.541+/-0.111 χ^2/NDF: 4155577.3/58

- sign 864.793+/-0.155 χ^2/NDF: 2139851.9/29

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2171.122+/-499.011 χ^2/NDF:18.5/12

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

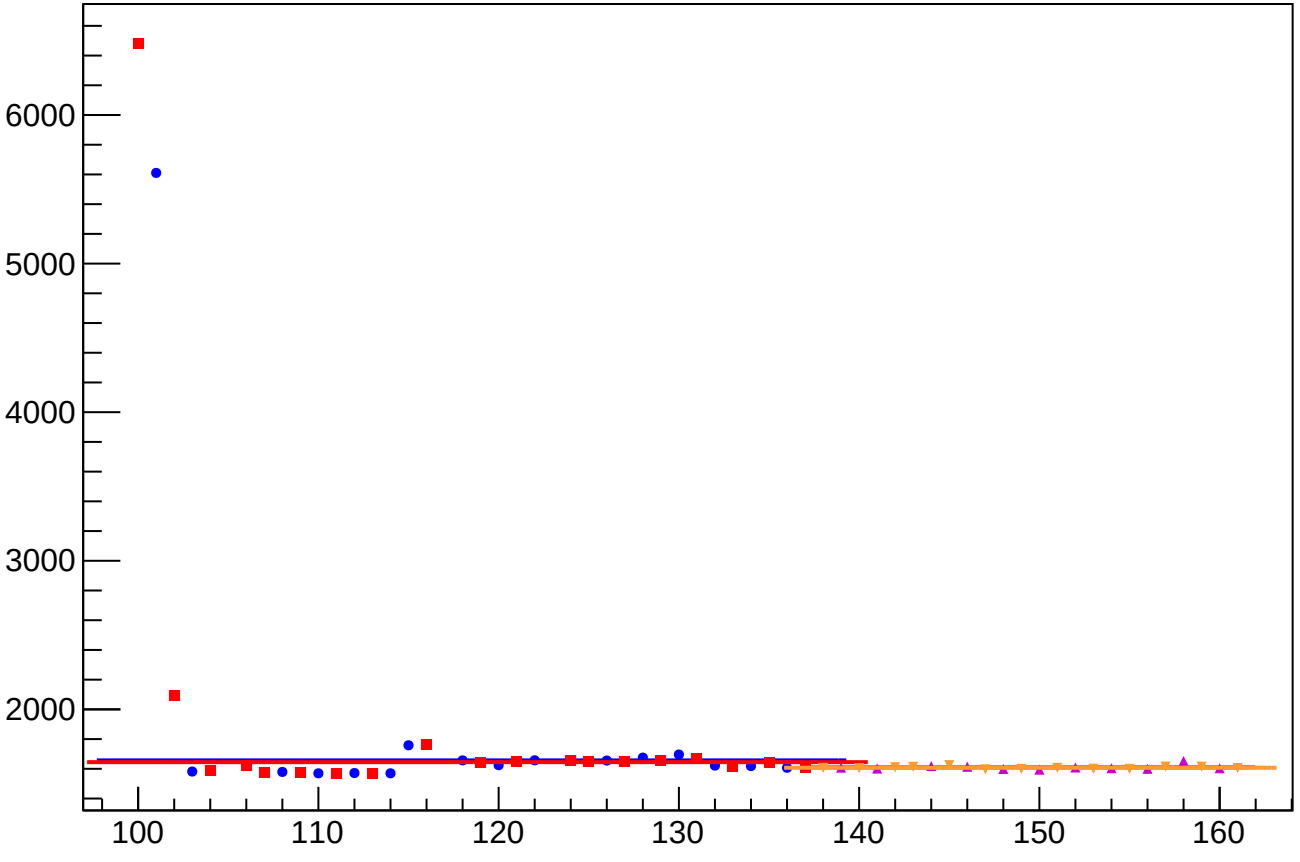
Left In: -2701.858+/-520.593 χ^2/NDF:20.8/10

+ sign 2278.353+/-391.225 χ^2/NDF: 32.5/28

All: -102.766+/-278.274 χ^2/NDF: 140.5/58

- sign -2541.076+/-395.895 χ^2/NDF: 33.1/29

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.170+/-0.353 χ^2/NDF:467.1/12

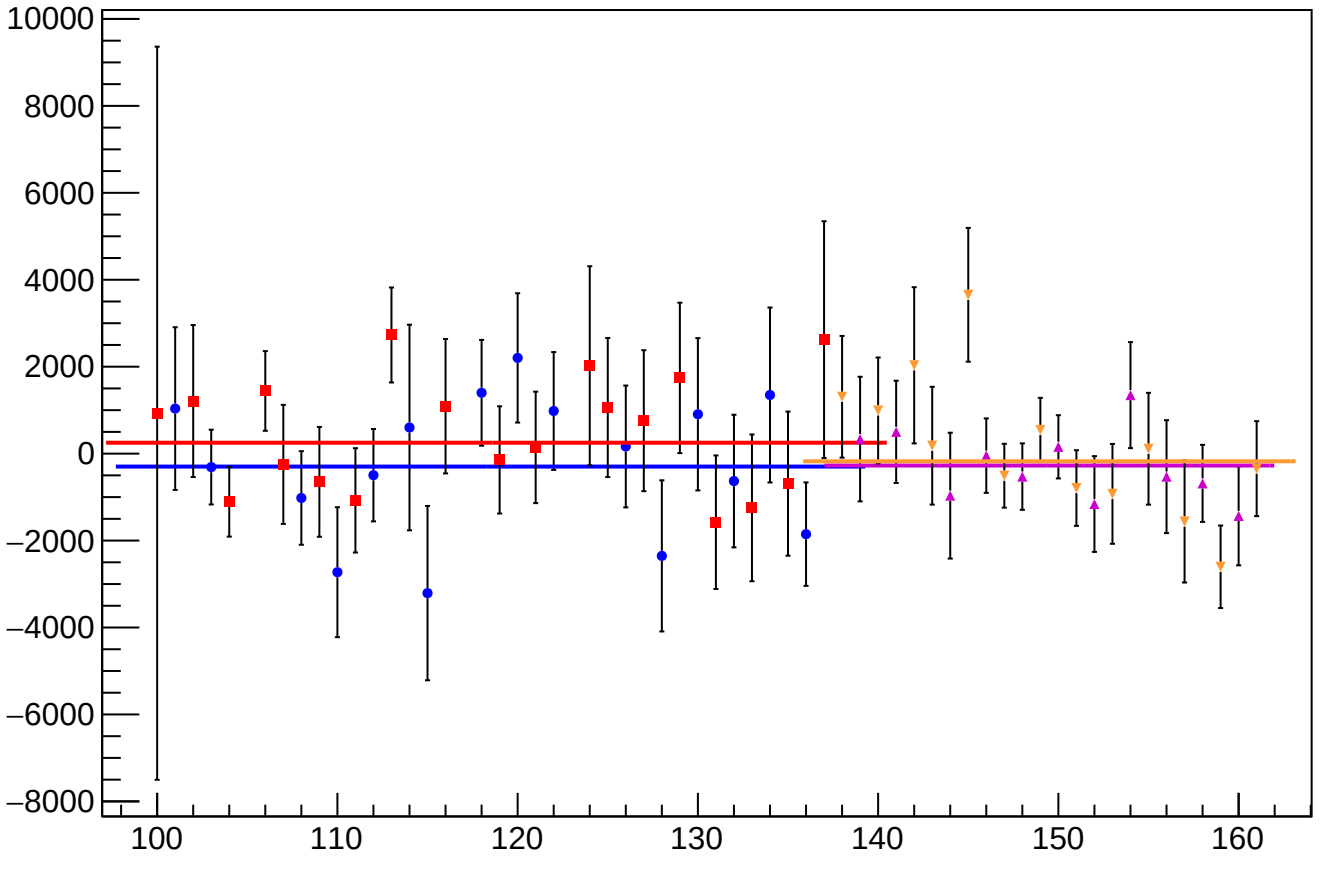
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.551+/-0.368 χ^2/NDF:1647.6/10

+ sign 1626.250+/-0.277 χ^2/NDF: 674280.4/28

All: 1625.329+/-0.197 χ^2/NDF: 816285.3/58

- sign 1624.386+/-0.280 χ^2/NDF: 141982.5/29



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -176.267+/-297.596 χ^2/NDF:19.5/12

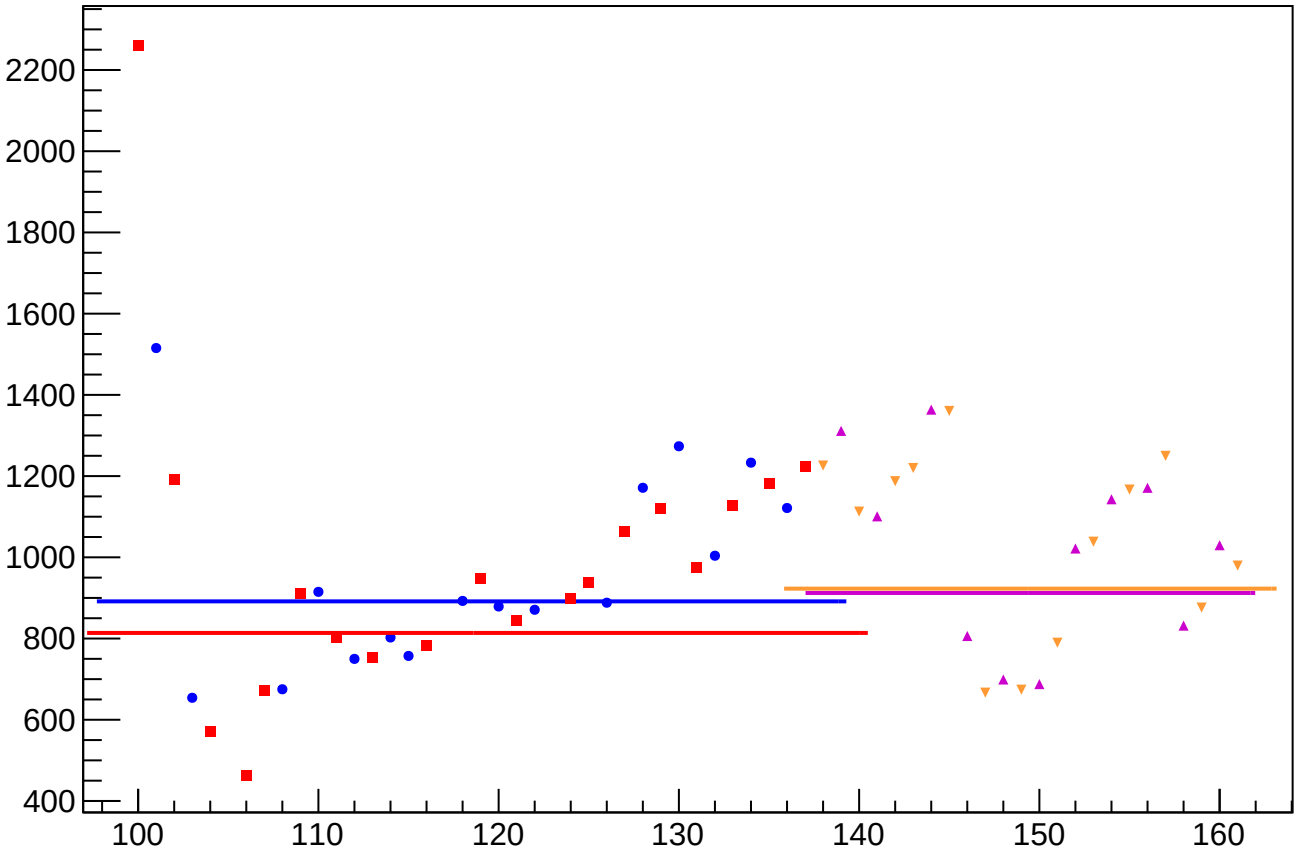
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -273.251+/-304.479 χ^2/NDF:5.1/10

+ sign -228.392+/-224.893 χ^2/NDF: 35.5/28

All: -121.789+/-156.963 χ^2/NDF: 59.7/58

- sign -20.537+/-219.175 χ^2/NDF: 23.8/29



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 922.885+/-0.210 χ^2/NDF:1172124.8/12

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

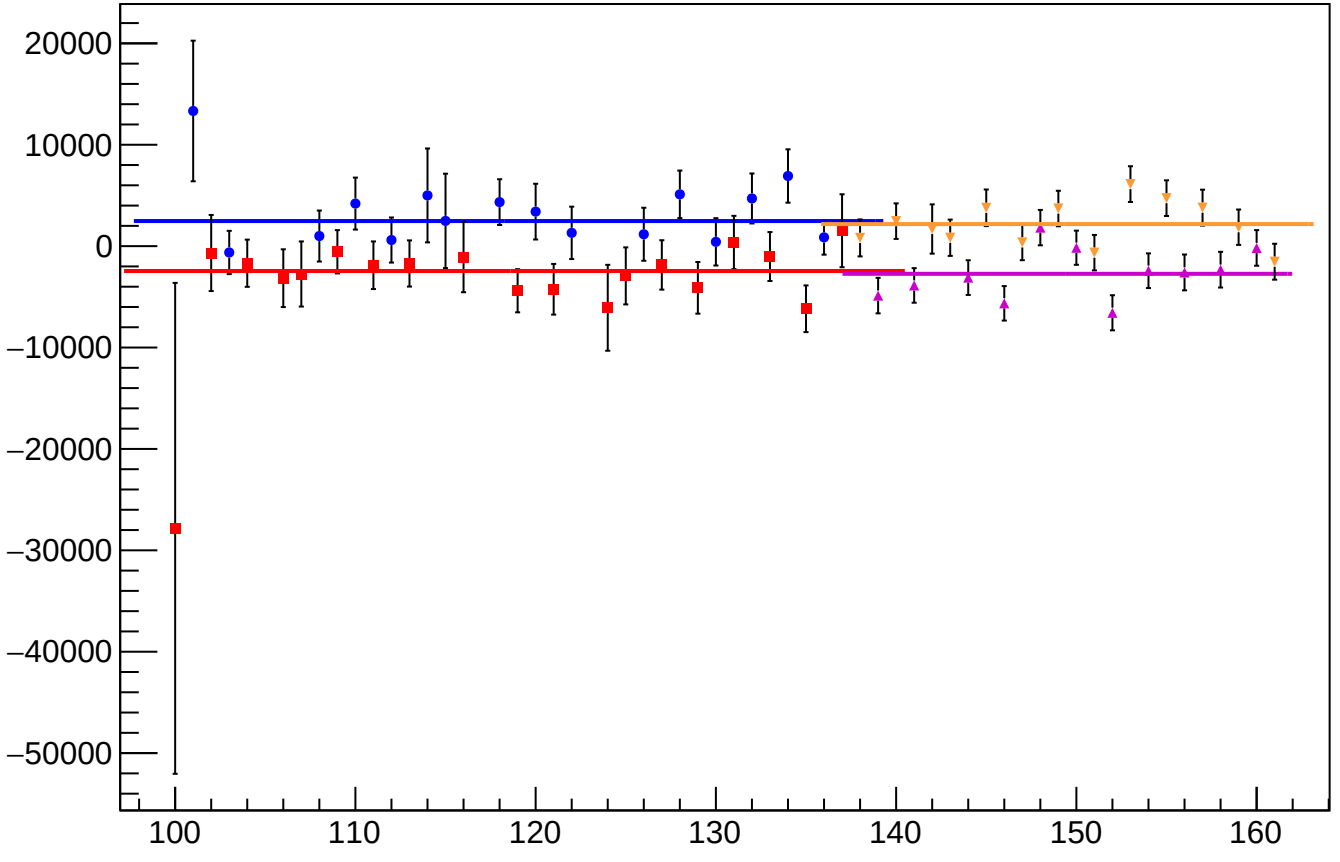
Left In: 912.205+/-0.215 χ^2/NDF:986216.8/10

+ sign 909.438+/-0.159 χ^2/NDF: 1975303.2/28

All: 886.541+/-0.111 χ^2/NDF: 4155577.3/58

- sign 864.793+/-0.155 χ^2/NDF: 2139851.9/29

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2174.916+/-499.800 χ^2/NDF:18.8/12

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

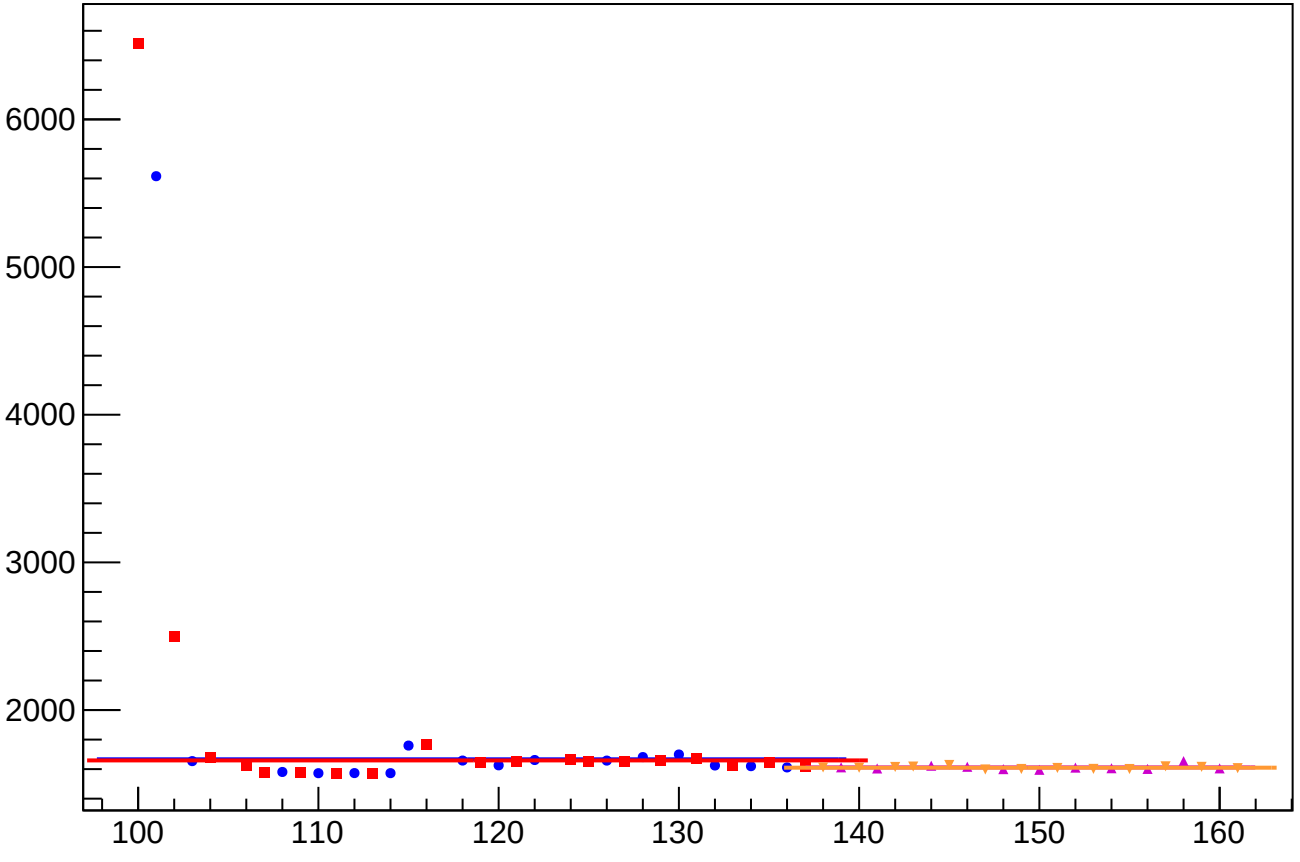
Left In: -2729.069+/-521.248 χ^2/NDF:21.2/10

+ sign 2290.048+/-392.471 χ^2/NDF: 33.1/28

All: -124.999+/-279.564 χ^2/NDF: 141.9/58

- sign -2612.569+/-398.320 χ^2/NDF: 31.9/29

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.702+/-0.353 χ^2/NDF:577.0/12

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

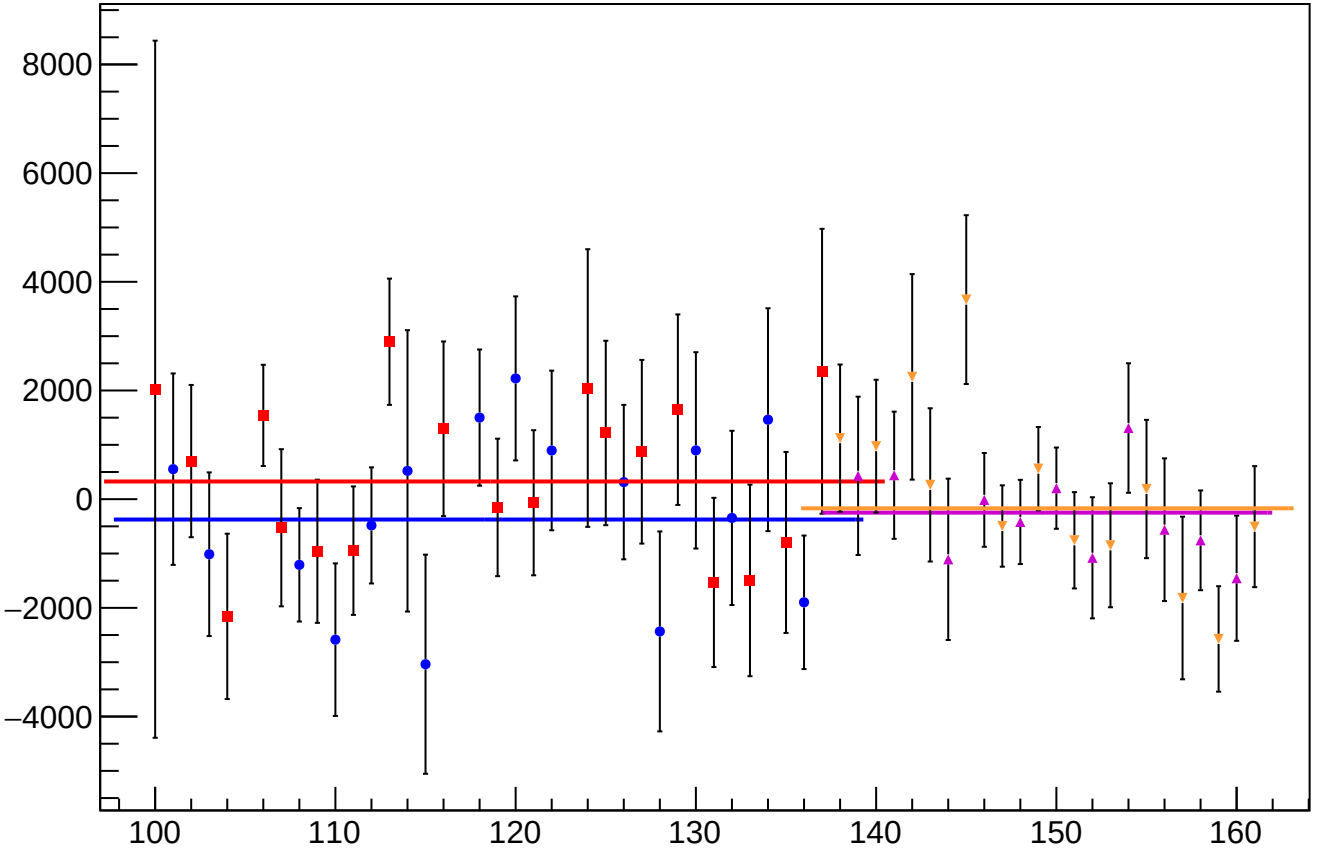
Left In: 1611.561+/-0.369 χ^2/NDF:1696.8/10

+ sign 1631.438+/-0.278 χ^2/NDF: 673358.7/28

All: 1631.370+/-0.198 χ^2/NDF: 875172.8/58

- sign 1631.300+/-0.282 χ^2/NDF: 201814.0/29

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -168.118+/-303.271 χ^2/NDF:19.0/12

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

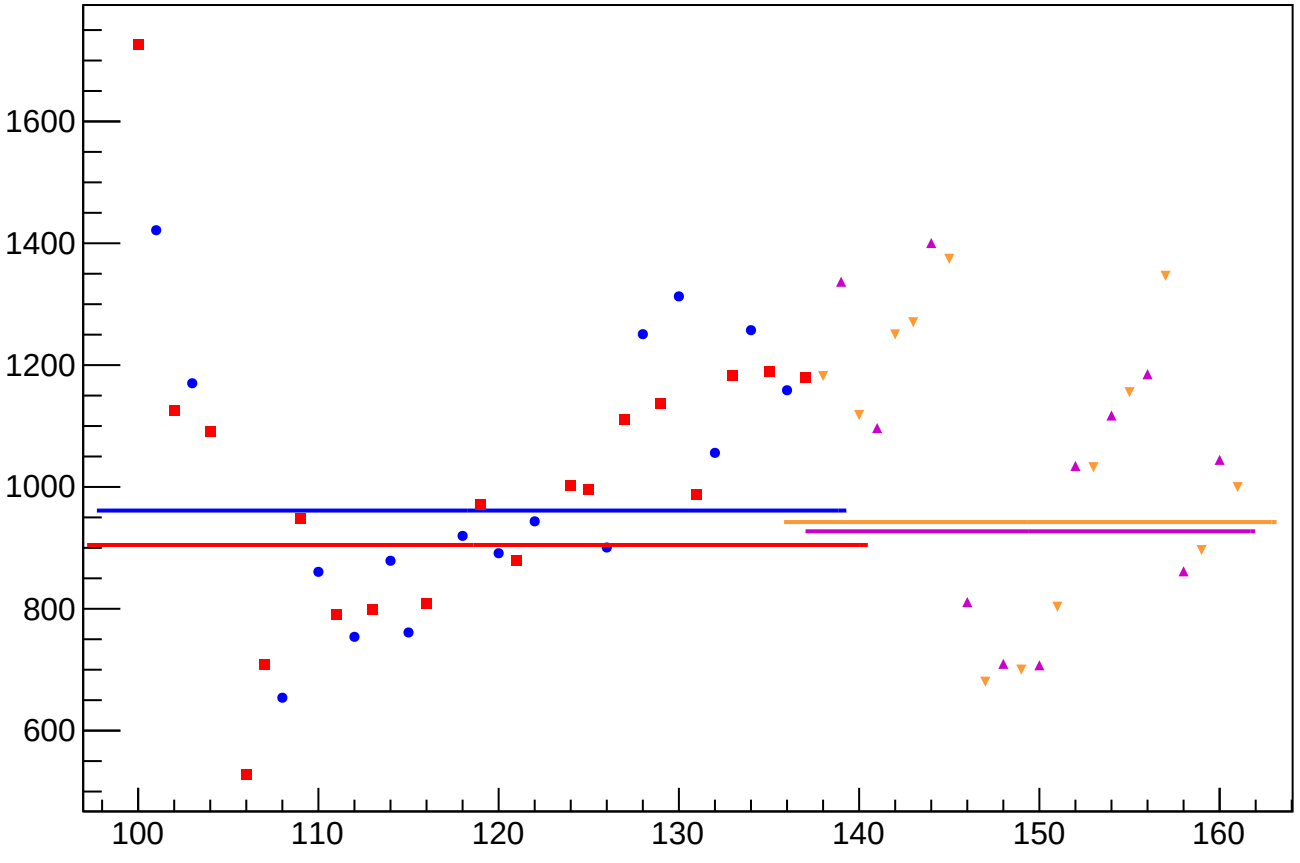
Left In: -247.754+/-308.863 χ^2/NDF:5.1/10

+ sign -251.644+/-234.024 χ^2/NDF: 35.0/28

All: -117.367+/-163.603 χ^2/NDF: 59.7/58

- sign 10.987+/-228.805 χ^2/NDF: 24.1/29

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 942.385+/-0.214 χ^2/NDF:1138224.1/12

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

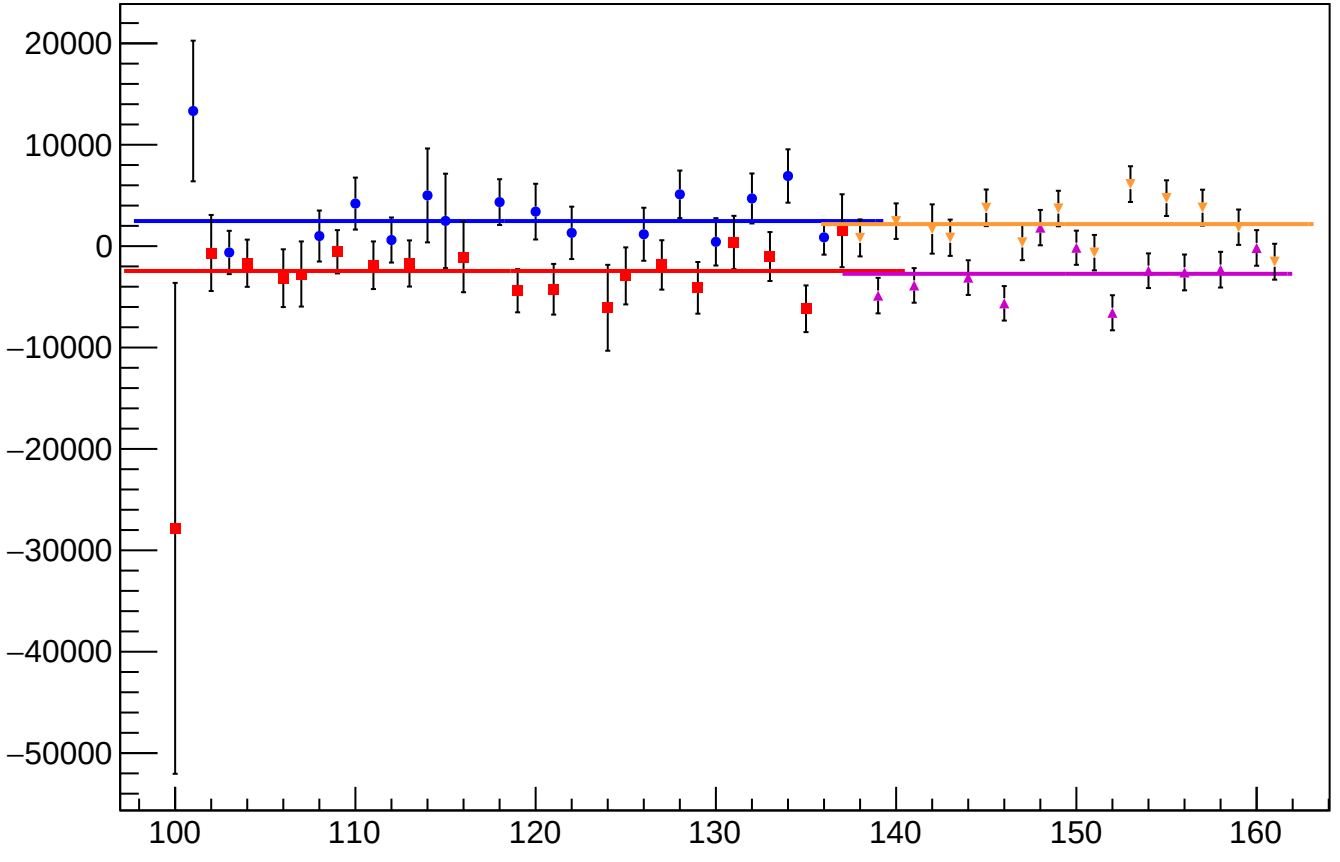
Left In: 927.224+/-0.218 χ^2/NDF:948040.2/10

\+ sign 950.013+/-0.165 χ^2/NDF: 1833227.8/28

All: 933.174+/-0.116 χ^2/NDF: 3542790.7/58

\- sign 917.077+/-0.162 χ^2/NDF: 1689308.8/29

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2174.915+/-499.800 χ^2/NDF:18.8/12

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

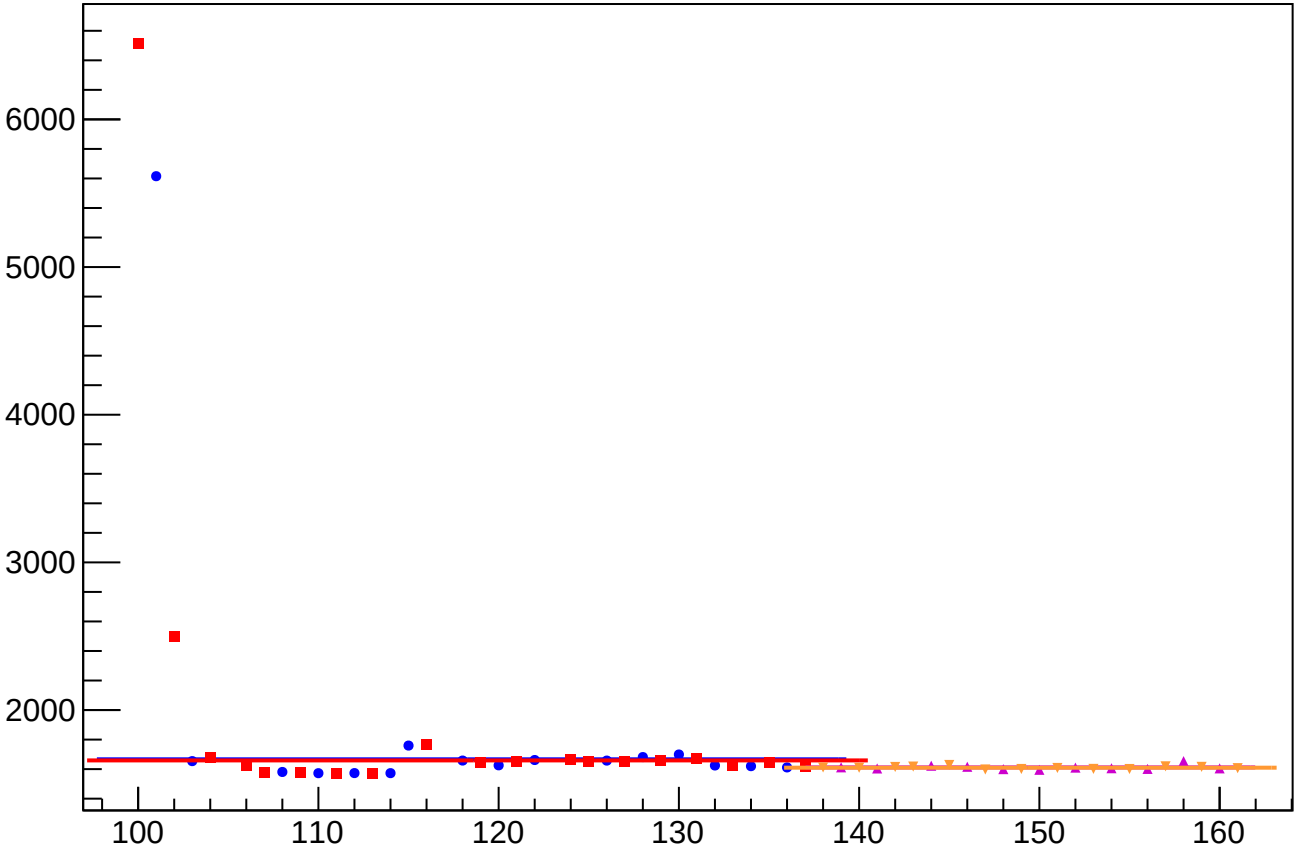
Left In: -2729.070+/-521.248 χ^2/NDF:21.2/10

+ sign 2290.047+/-392.471 χ^2/NDF: 33.1/28

All: -125.000+/-279.564 χ^2/NDF: 141.9/58

- sign -2612.569+/-398.320 χ^2/NDF: 31.9/29

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.702+/-0.353 χ^2/NDF:577.0/12

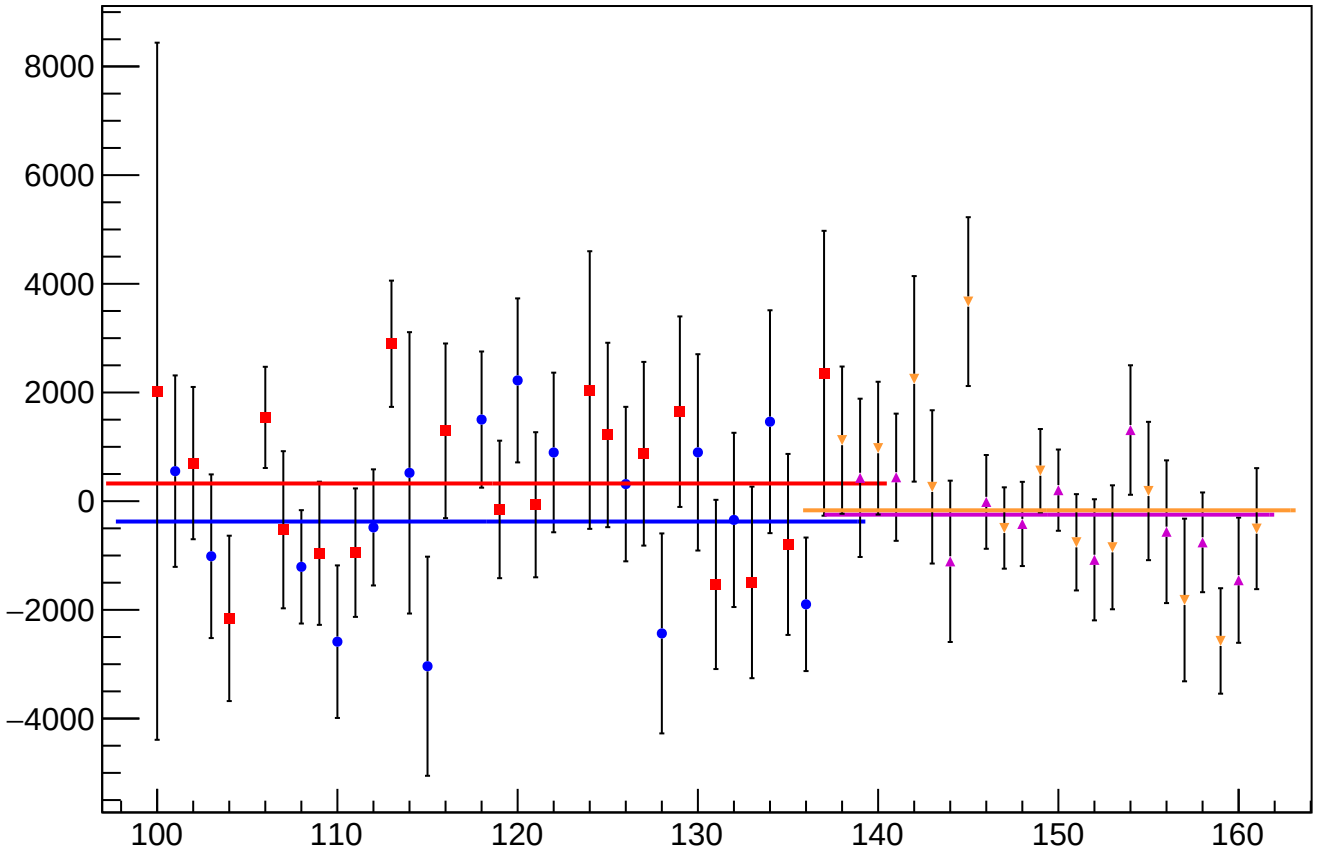
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1611.561+/-0.369 χ^2/NDF:1696.8/10

+ sign 1631.438+/-0.278 χ^2/NDF: 673358.7/28

All: 1631.370+/-0.198 χ^2/NDF: 875172.5/58

- sign 1631.300+/-0.282 χ^2/NDF: 201813.8/29



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -168.120+/-303.272 χ^2/NDF:19.0/12

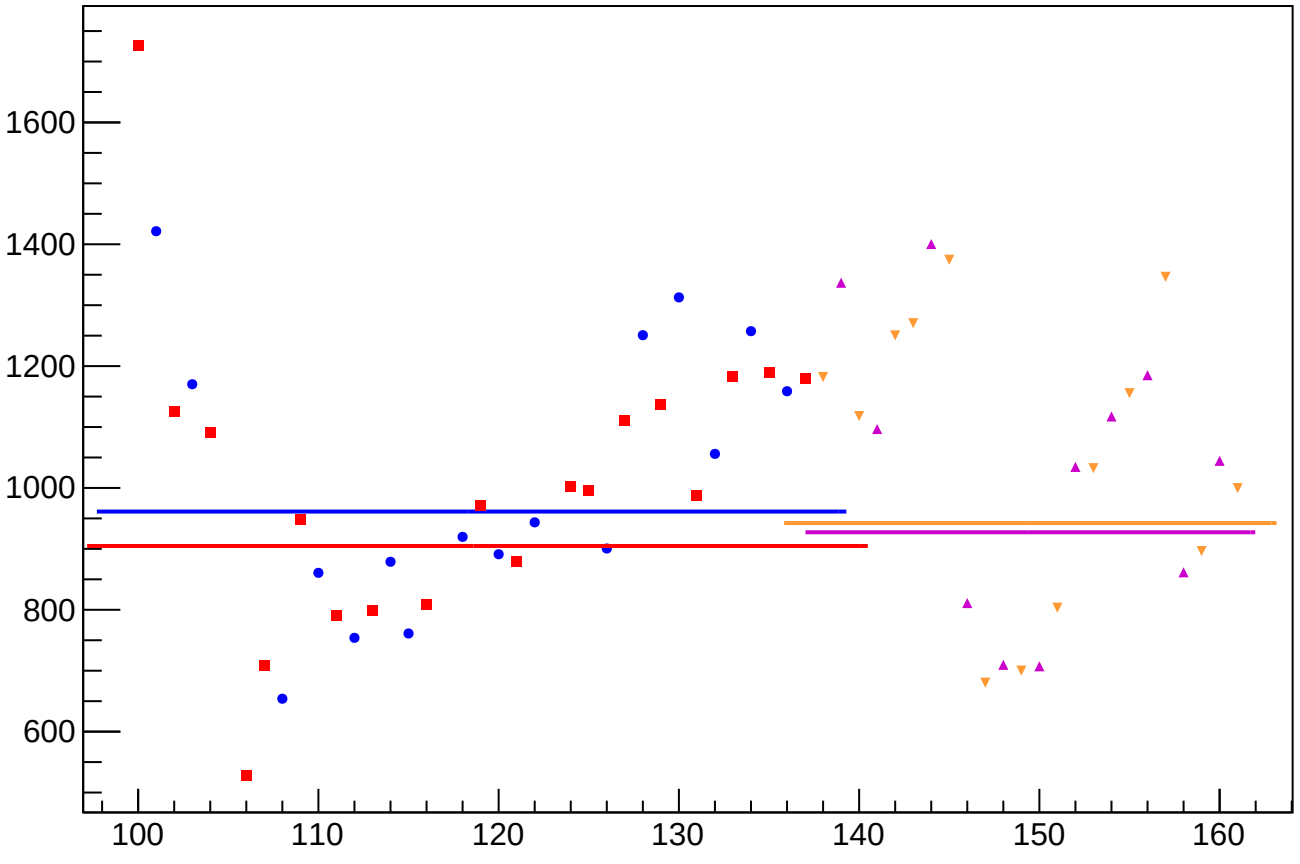
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -247.755+/-308.864 χ^2/NDF:5.1/10

+ sign -251.645+/-234.024 χ^2/NDF: 35.0/28

All: -117.368+/-163.603 χ^2/NDF: 59.7/58

- sign 10.987+/-228.805 χ^2/NDF: 24.1/29



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 942.386+/-0.214 χ^2/NDF:1138226.7/12

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

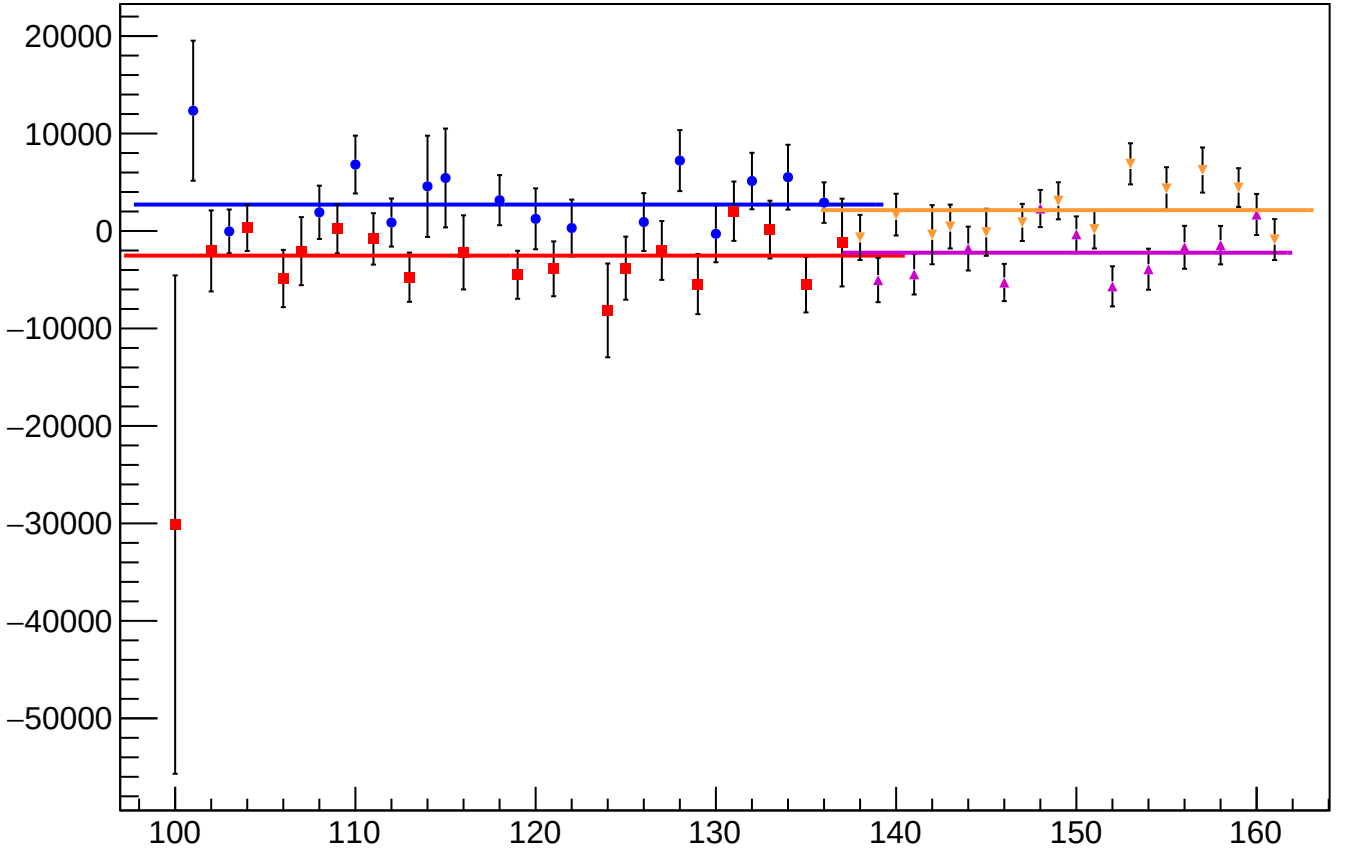
Left In: 927.226+/-0.218 χ^2/NDF:948042.5/10

+ sign 950.013+/-0.165 χ^2/NDF: 1833236.5/28

All: 933.174+/-0.116 χ^2/NDF: 3542800.7/58

- sign 917.077+/-0.162 χ^2/NDF: 1689310.4/29

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2137.029+/-598.185 χ^2/NDF:18.0/12

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

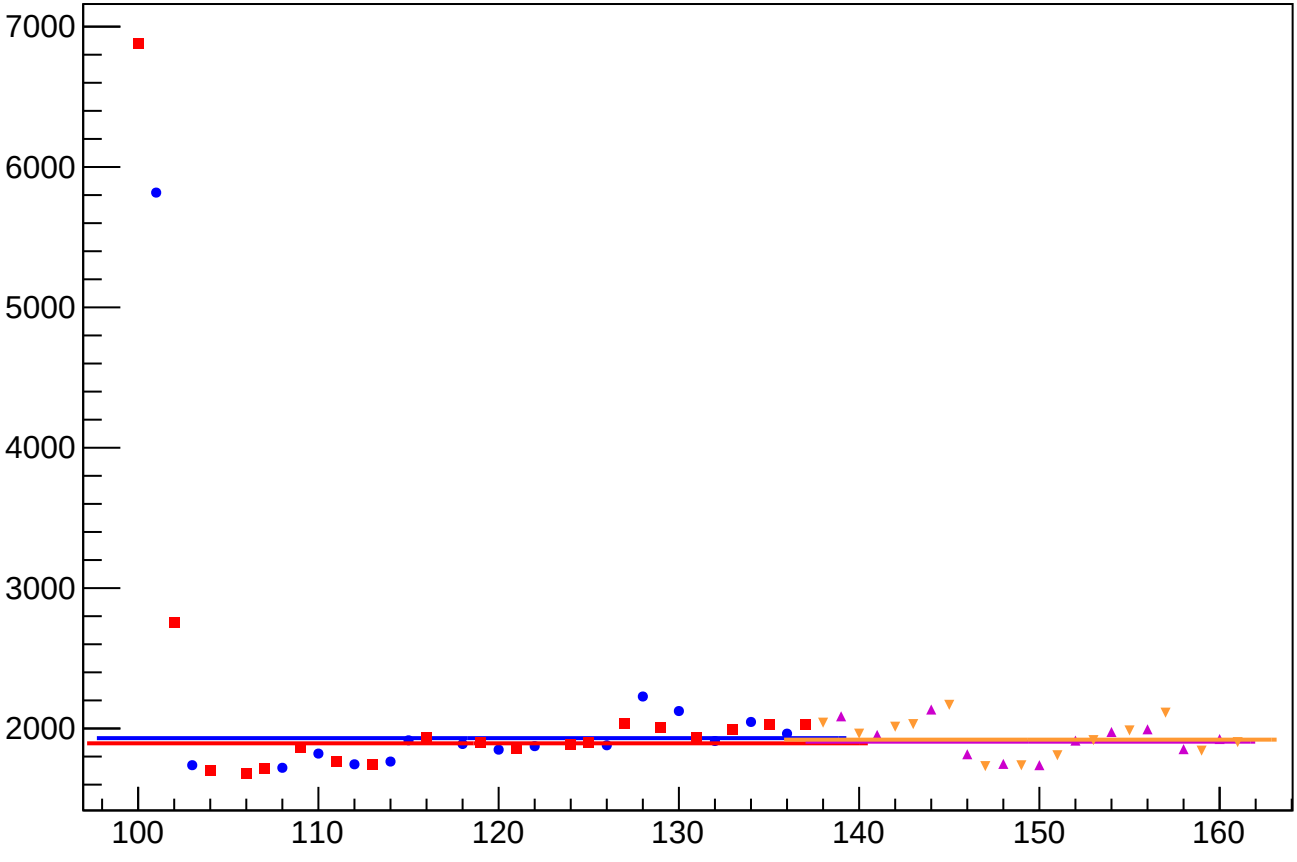
Left In: -2227.392+/-618.003 χ^2/NDF:19.1/10

+ sign 2365.850+/-463.974 χ^2/NDF: 30.5/28

All: 10.533+/-328.491 χ^2/NDF: 114.6/58

- sign -2356.643+/-465.140 χ^2/NDF: 32.5/29

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1920.479+/-0.423 χ^2/NDF:97443.3/12

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

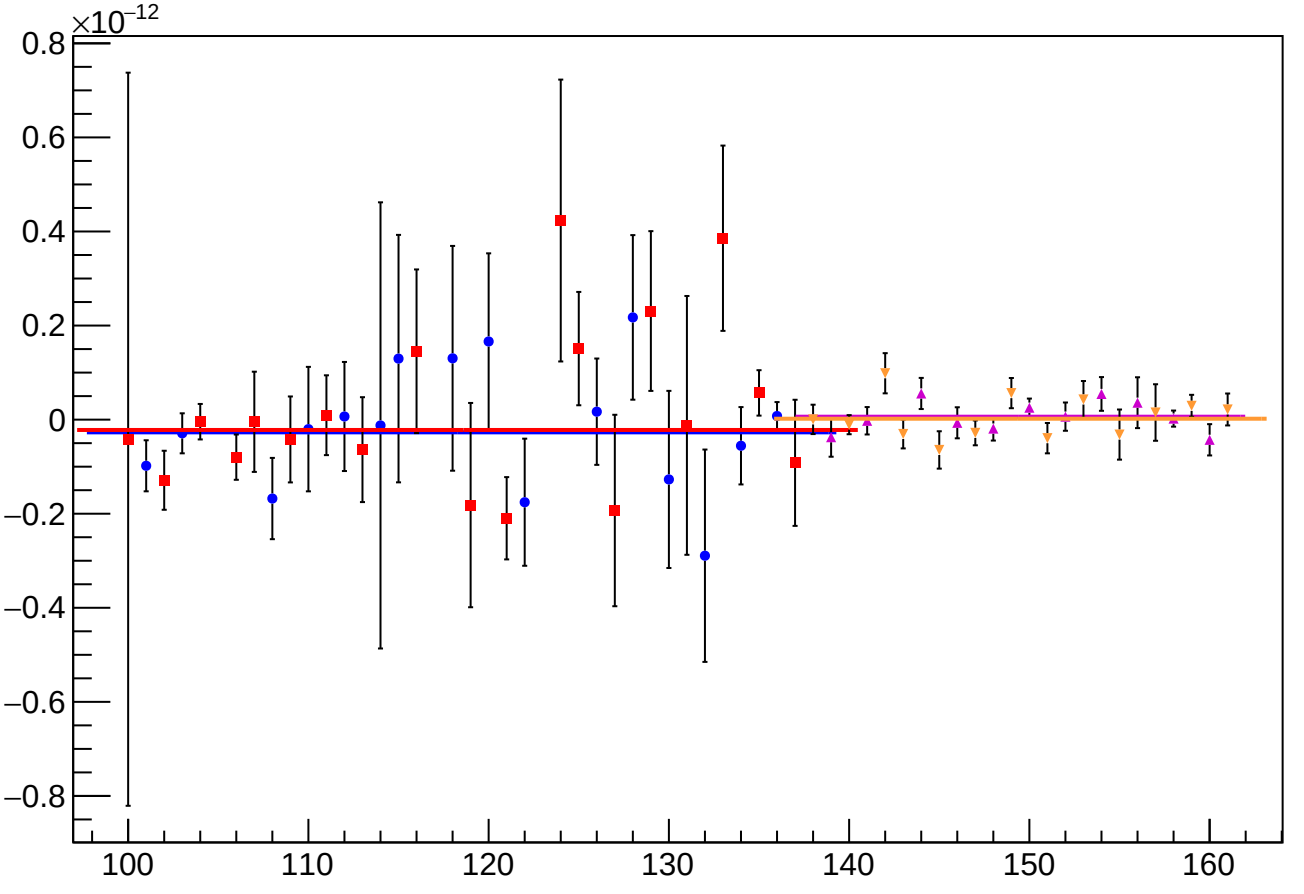
Left In: 1906.037+/-0.437 χ^2/NDF:76193.6/10

+ sign 1924.770+/-0.328 χ^2/NDF: 758928.8/28

All: 1912.900+/-0.232 χ^2/NDF: 1058598.2/58

- sign 1900.970+/-0.329 χ^2/NDF: 297044.8/29

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:18.5/12

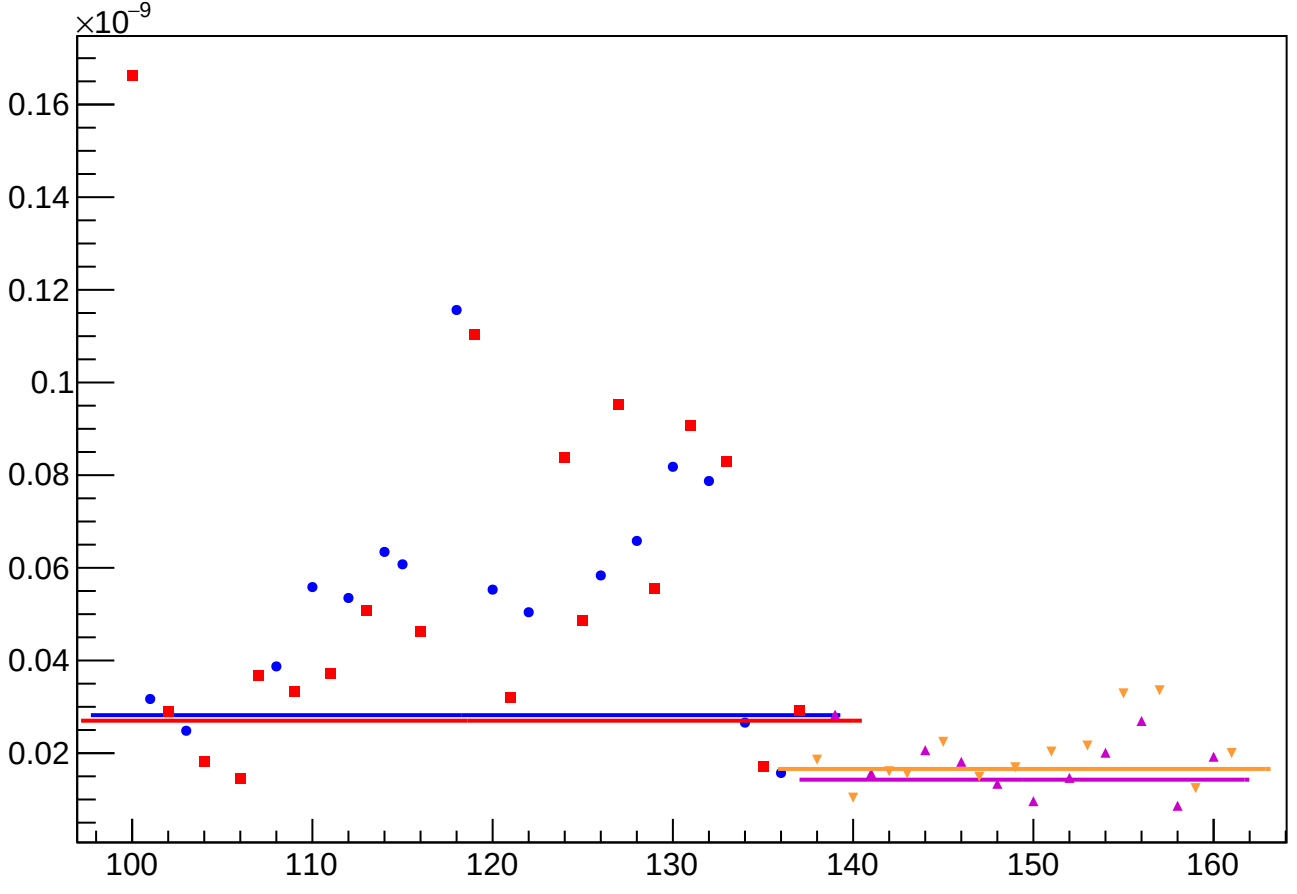
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 33.1/28

All: -0.000+/-0.000 χ^2/NDF: 70.4/58

- sign 0.000+/-0.000 χ^2/NDF: 37.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:738702.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

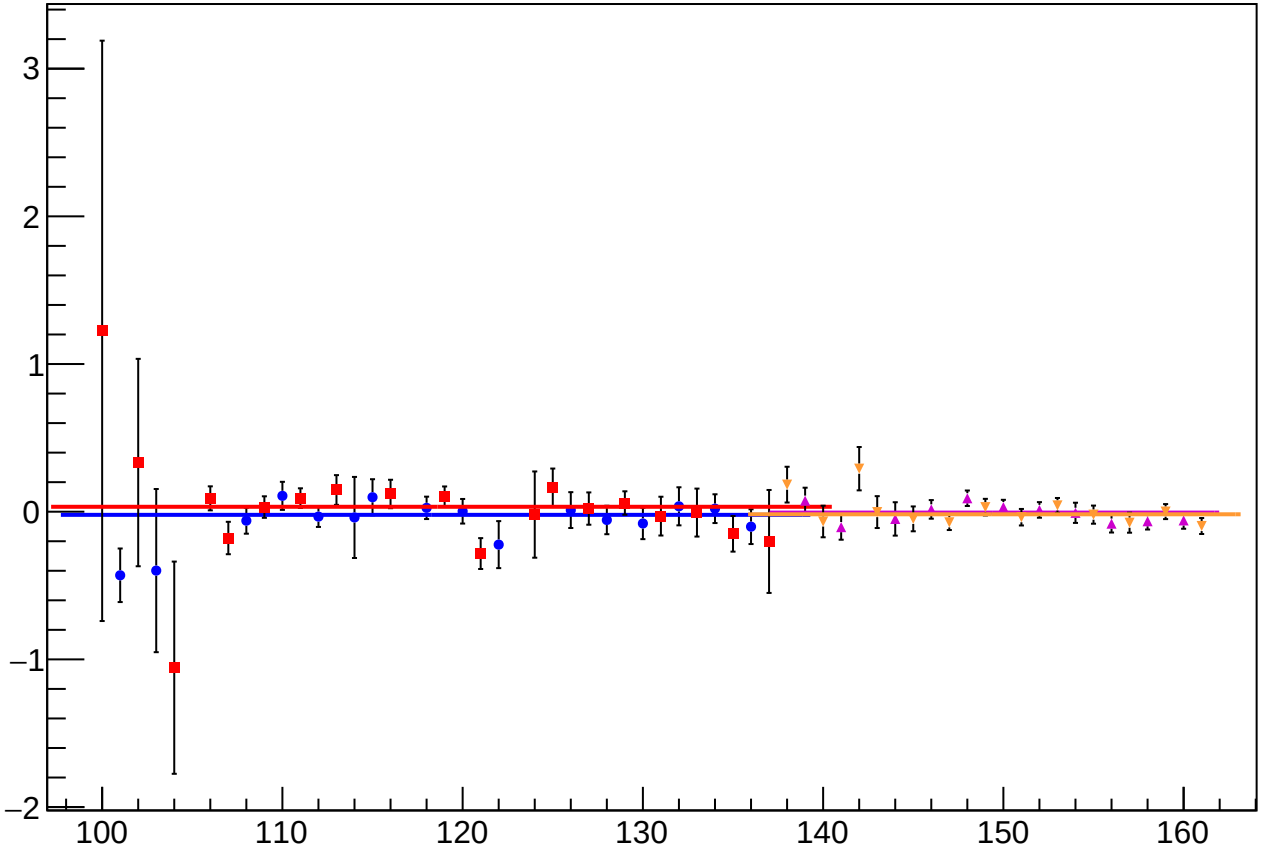
Left In: 0.000+/-0.000 χ^2/NDF:875450.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 2835547.3/28

All: 0.000+/-0.000 χ^2/NDF: 6085010.3/58

- sign 0.000+/-0.000 χ^2/NDF: 3160606.9/29

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: -0.017+/-0.018 χ^2/NDF:13.9/12

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

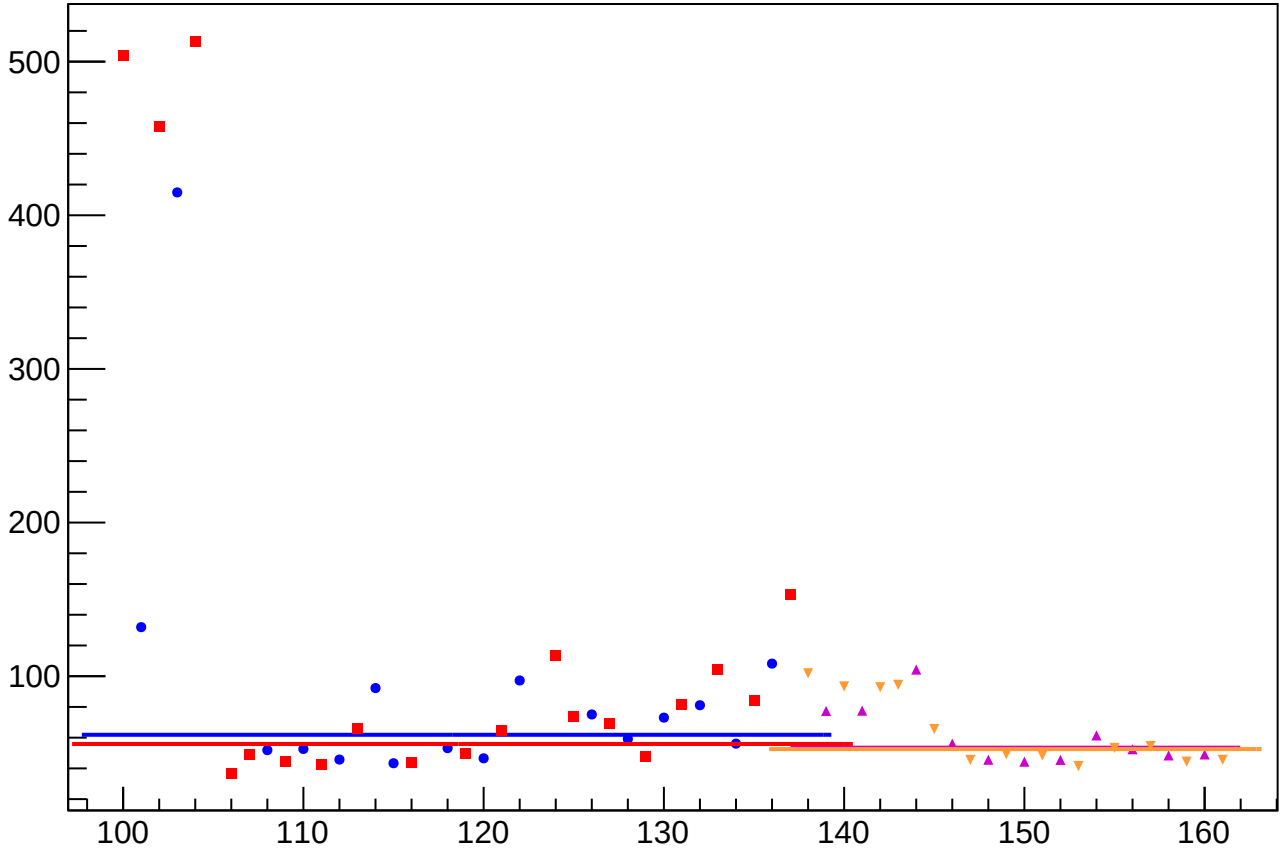
Left In: -0.006+/-0.019 χ^2/NDF:10.1/10

+ sign -0.019+/-0.015 χ^2/NDF: 25.9/28

All: -0.005+/-0.011 χ^2/NDF: 63.6/58

- sign 0.008+/-0.015 χ^2/NDF: 36.0/29

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: 52.563+/-0.013 χ^2/NDF:1360858.2/12

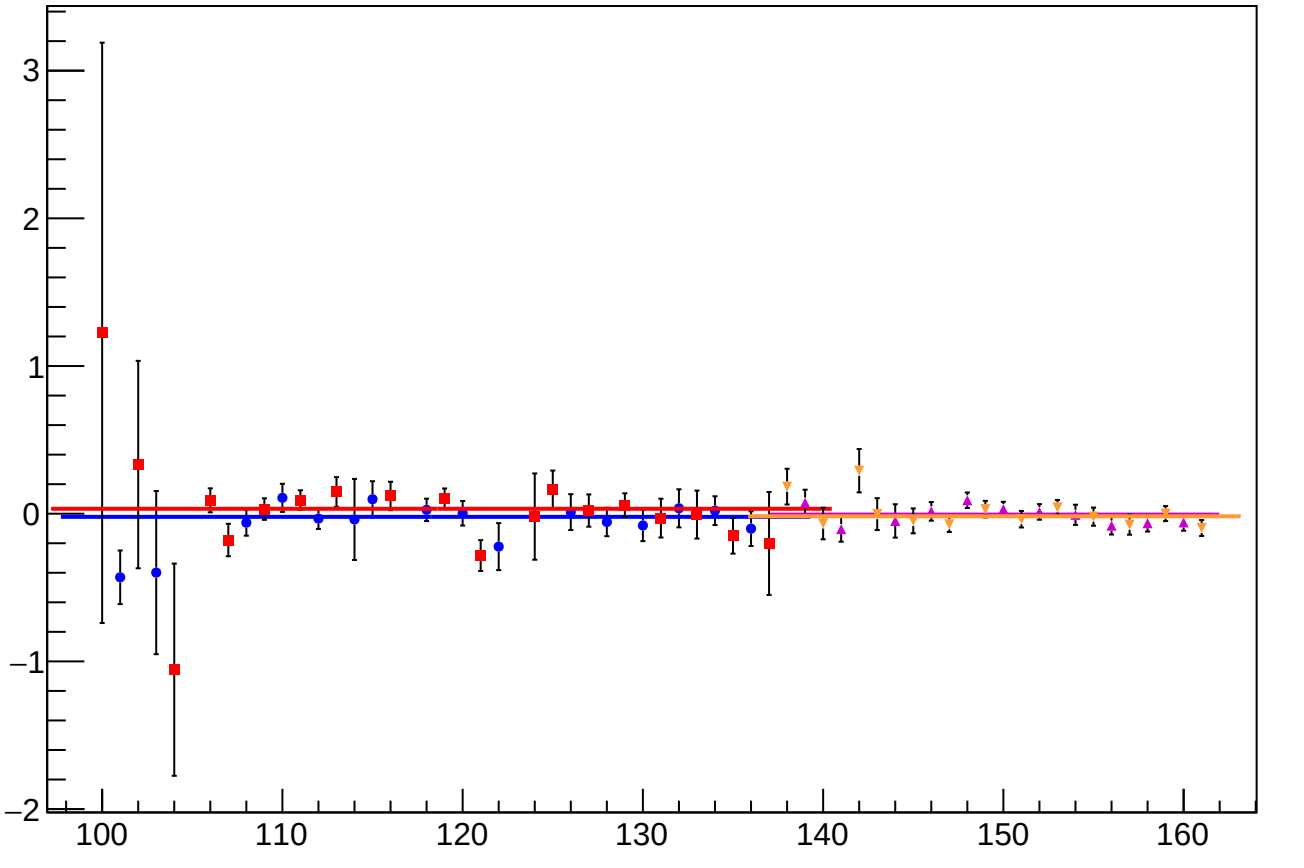
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 53.489+/-0.013 χ^2/NDF:930016.5/10

+ sign 55.526+/-0.011 χ^2/NDF: 3466521.4/28

All: 54.944+/-0.007 χ^2/NDF: 7005862.7/58

- sign 54.369+/-0.011 χ^2/NDF: 3533341.3/29



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.017+/-0.018 χ^2/NDF:13.9/12

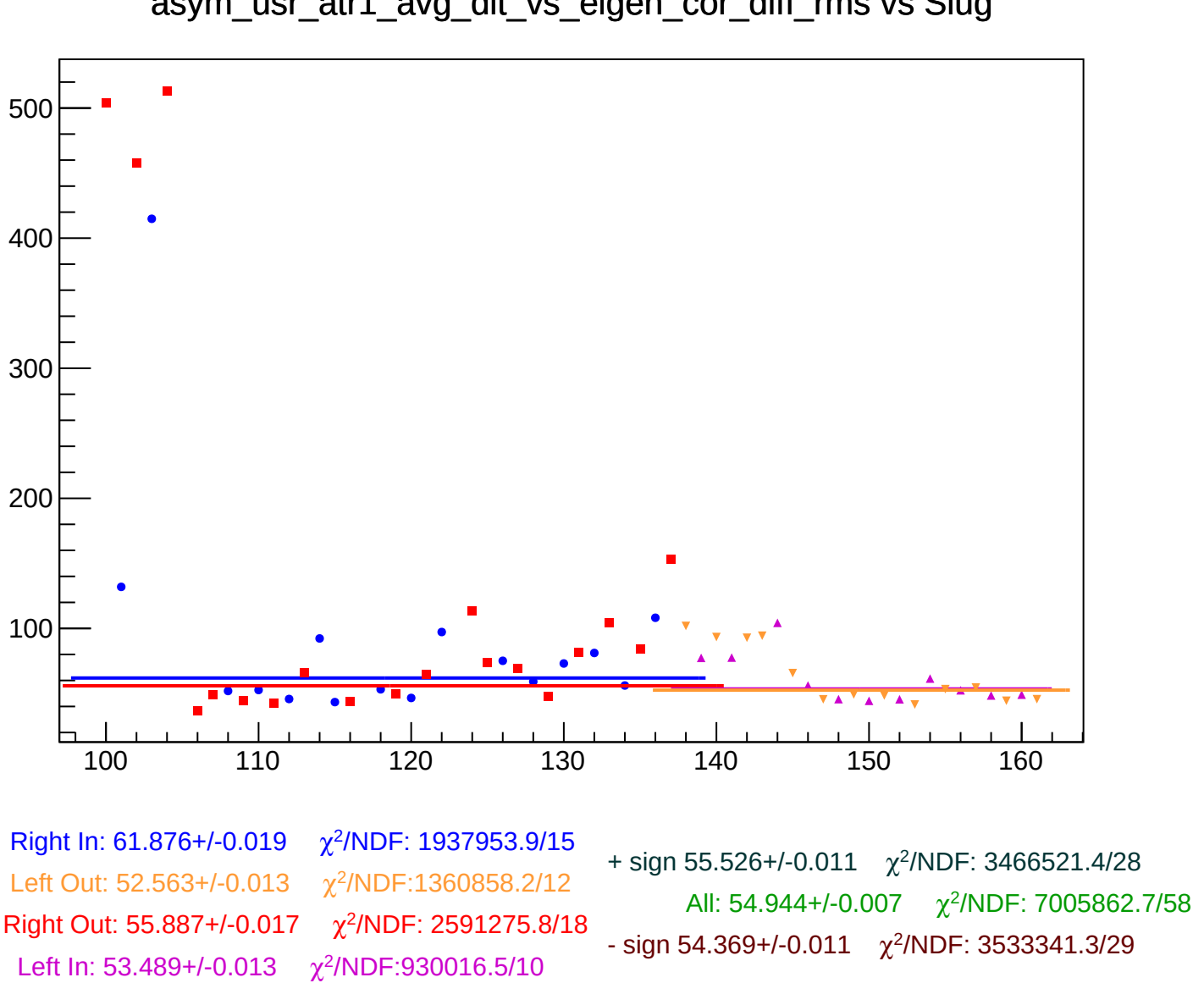
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

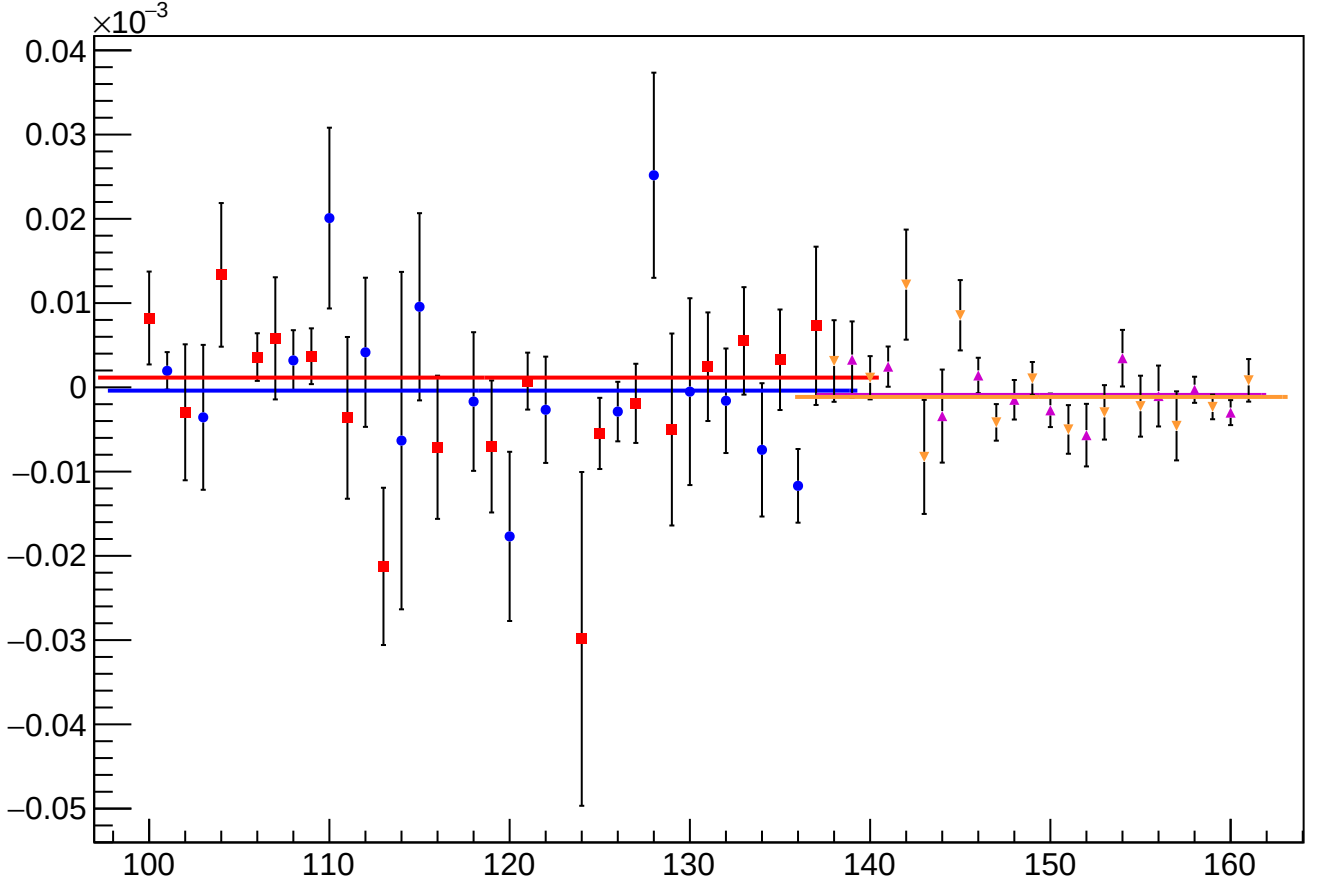
Left In: -0.006+/-0.019 χ^2/NDF:10.1/10

+ sign -0.019+/-0.015 χ^2/NDF: 25.9/28

All: -0.005+/-0.011 χ^2/NDF: 63.6/58

- sign 0.008+/-0.015 χ^2/NDF: 36.0/29


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
Right In: 61.876+/-0.019 χ²/NDF: 1937953.9/15
Left Out: 52.563+/-0.013 χ²/NDF:1360858.2/12
Right Out: 55.887+/-0.017 χ²/NDF: 2591275.8/18
Left In: 53.489+/-0.013 χ²/NDF:930016.5/10
+ sign 55.526+/-0.011 χ²/NDF: 3466521.4/28
All: 54.944+/-0.007 χ²/NDF: 7005862.7/58
- sign 54.369+/-0.011 χ²/NDF: 3533341.3/29



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/12

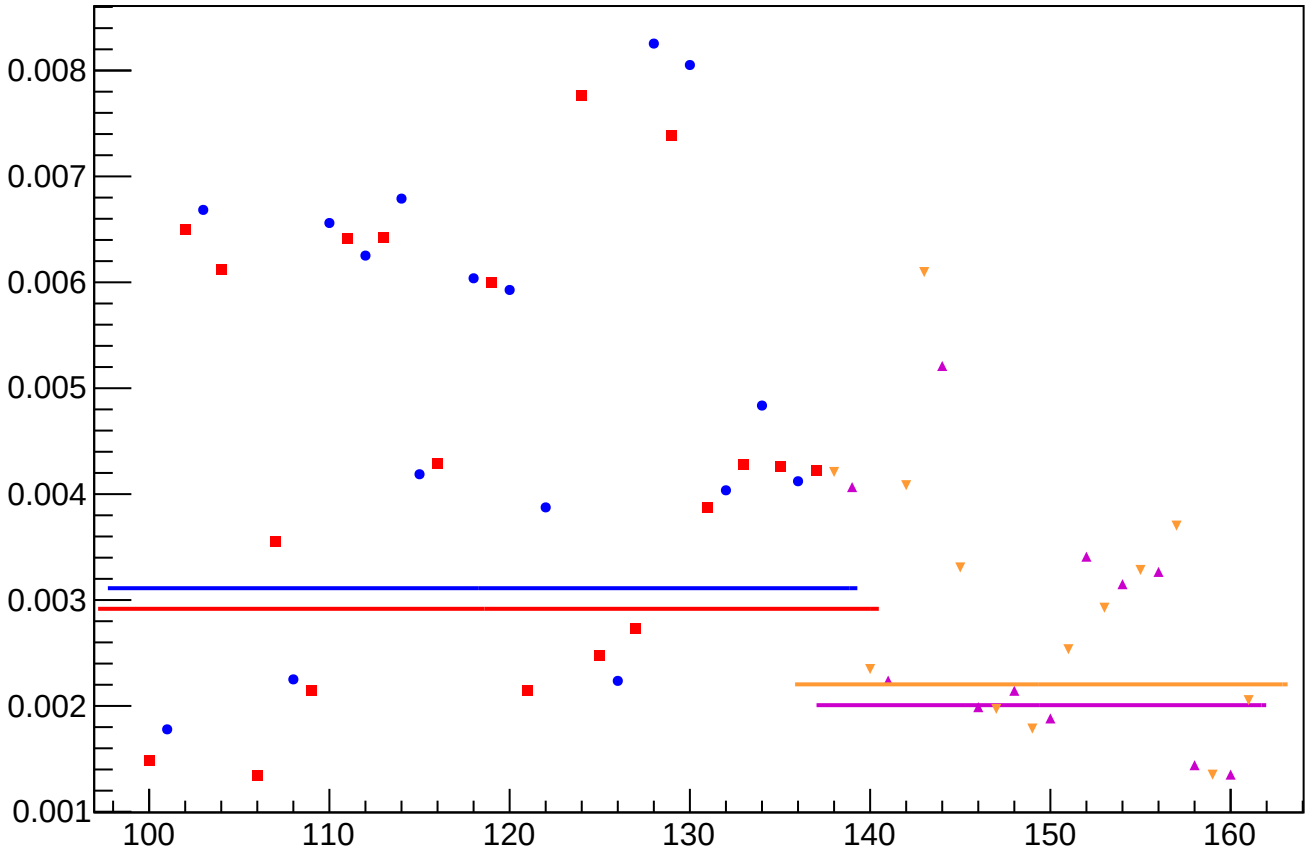
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/28

All: -0.000+/-0.000 χ^2/NDF: 75.9/58

- sign -0.000+/-0.000 χ^2/NDF: 33.1/29



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:2690441.7/12

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

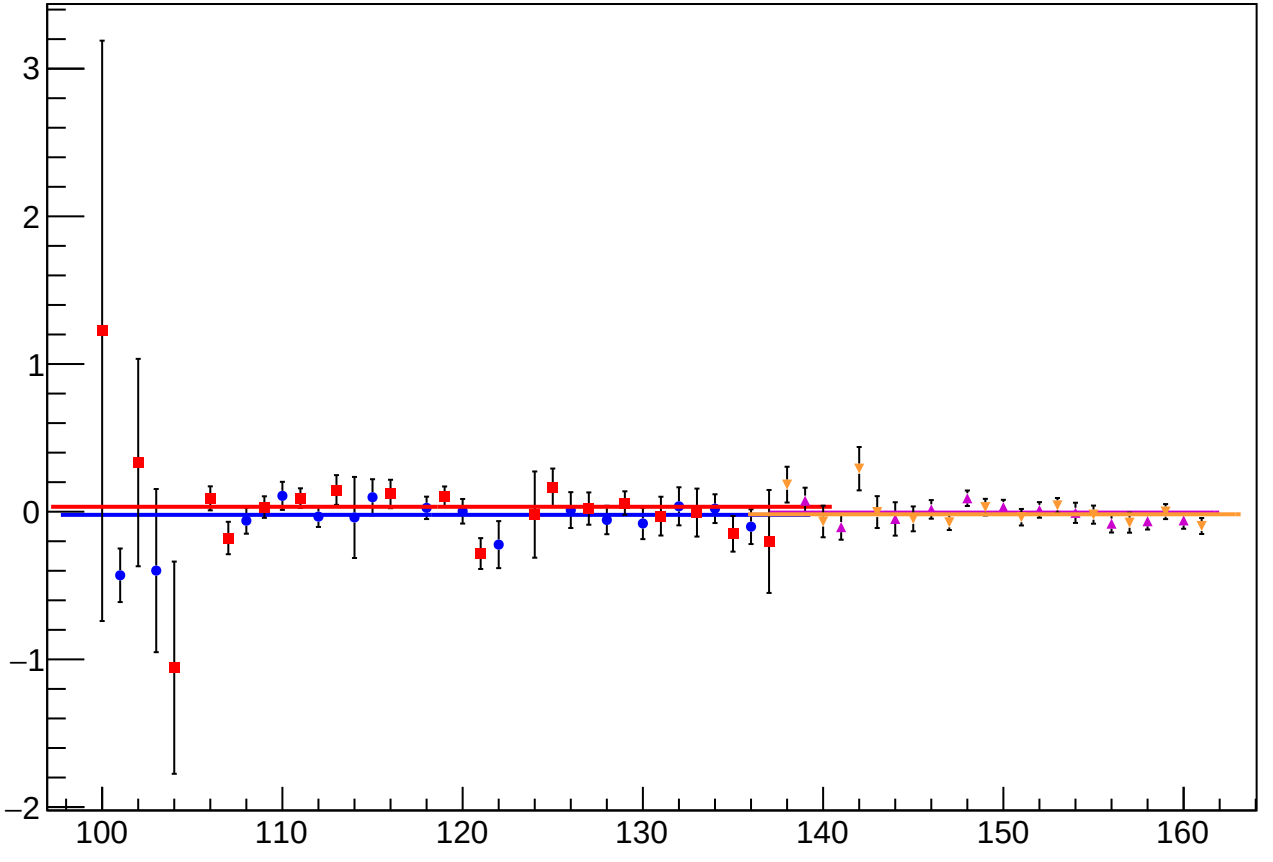
Left In: 0.002+/-0.000 χ^2/NDF:2535244.4/10

+ sign 0.002+/-0.000 χ^2/NDF: 6677601.5/28

All: 0.002+/-0.000 χ^2/NDF: 13410243.4/58

- sign 0.002+/-0.000 χ^2/NDF: 6633336.0/29

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.017+/-0.018 χ^2/NDF:13.9/12

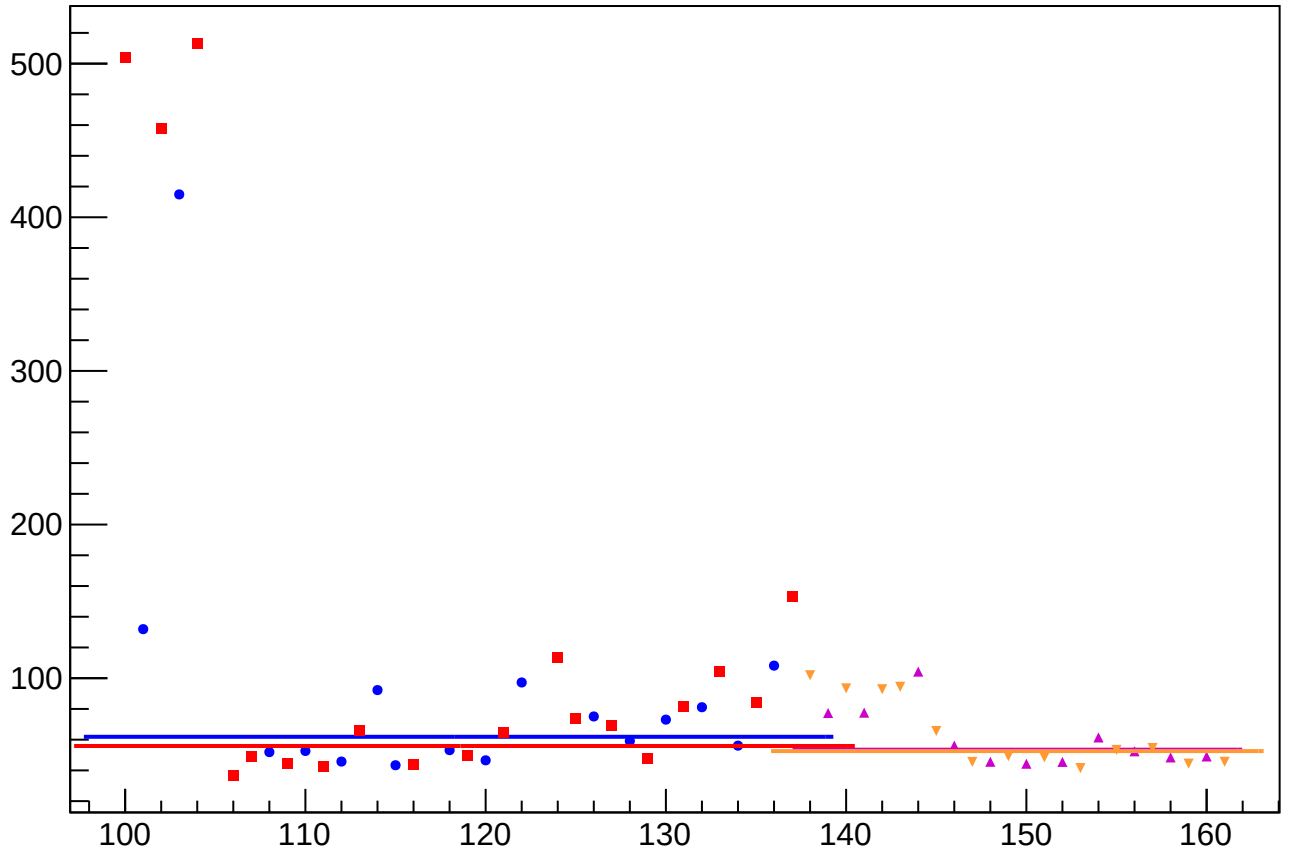
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.006+/-0.019 χ^2/NDF:10.1/10

+ sign -0.019+/-0.015 χ^2/NDF: 25.9/28

All: -0.005+/-0.011 χ^2/NDF: 63.6/58

- sign 0.008+/-0.015 χ^2/NDF: 36.0/29



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 52.563+/-0.013 χ^2/NDF:1360890.1/12

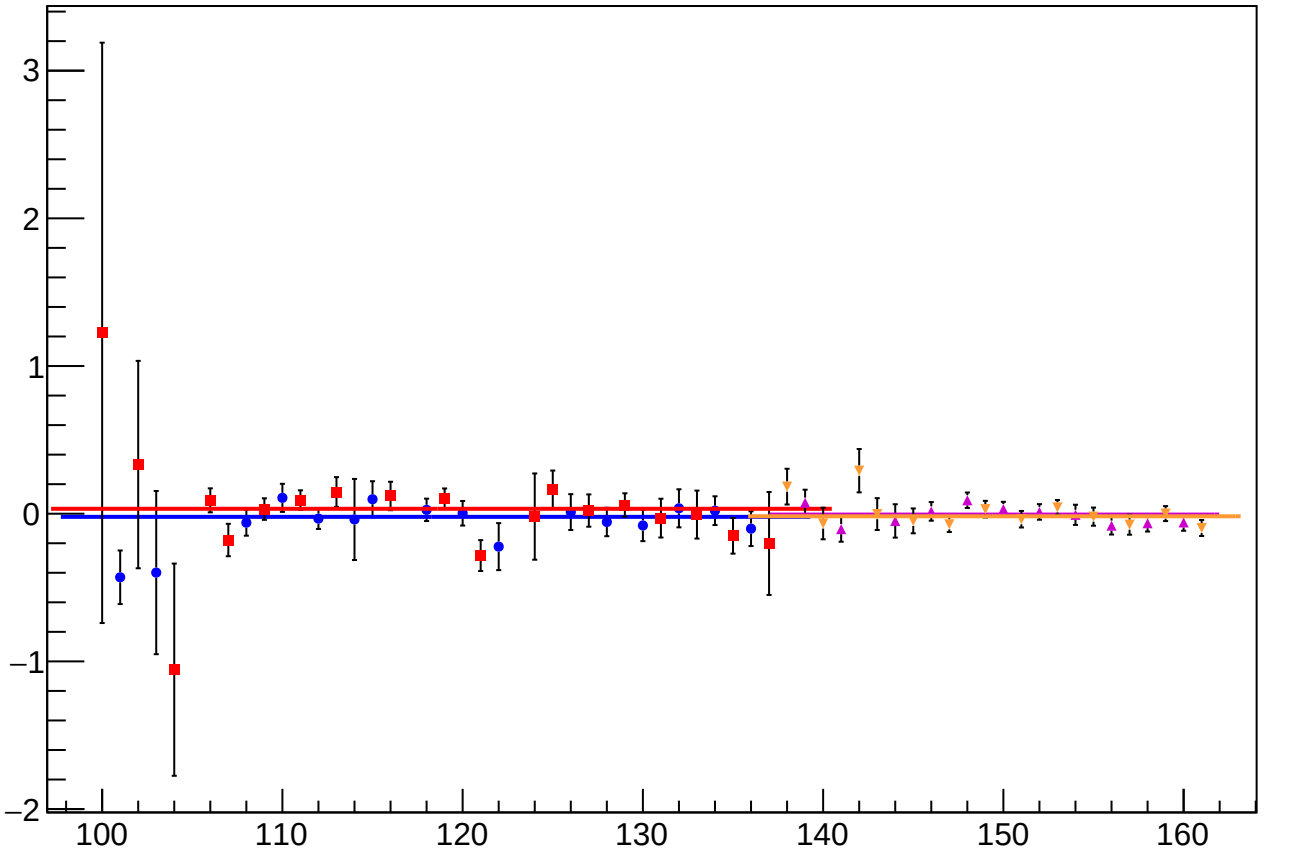
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 53.489+/-0.013 χ^2/NDF:930001.4/10

+ sign 55.526+/-0.011 χ^2/NDF: 3466488.6/28

All: 54.944+/-0.007 χ^2/NDF: 7005762.0/58

- sign 54.369+/-0.011 χ^2/NDF: 3533274.6/29



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.017+/-0.018 χ^2/NDF:13.9/12

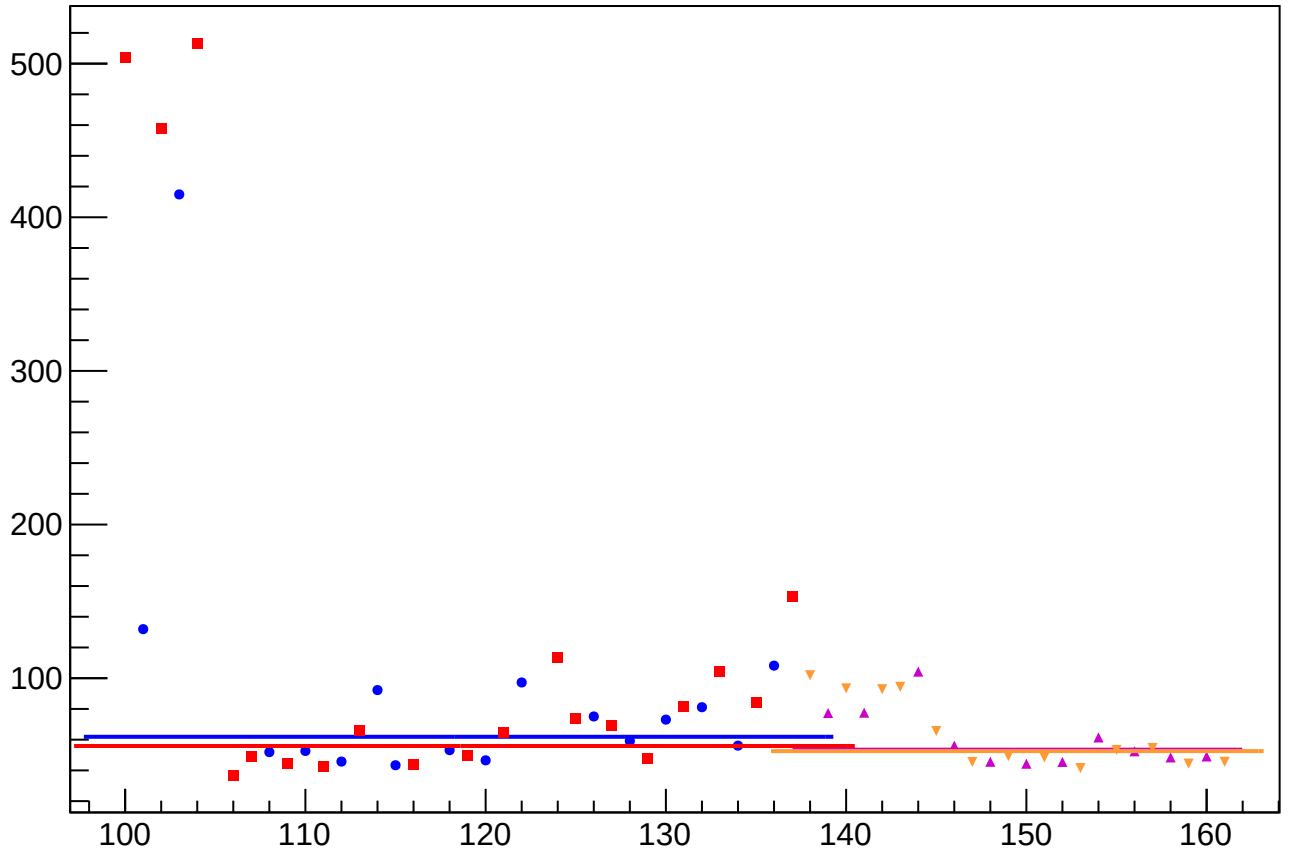
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.006+/-0.019 χ^2/NDF:10.1/10

+ sign -0.019+/-0.015 χ^2/NDF: 25.9/28

All: -0.005+/-0.011 χ^2/NDF: 63.6/58

- sign 0.008+/-0.015 χ^2/NDF: 36.0/29



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 52.563+/-0.013 χ^2/NDF:1360890.1/12

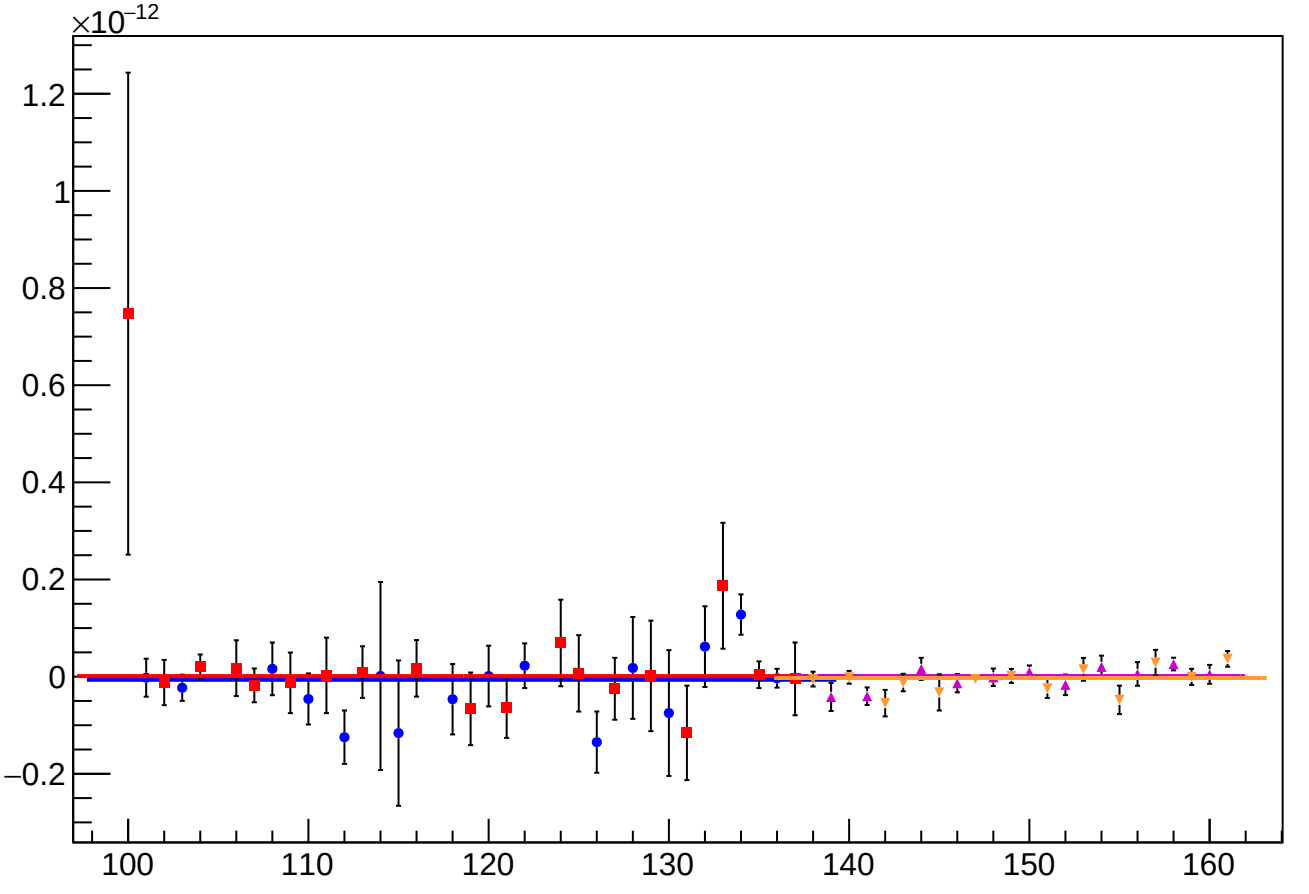
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 53.489+/-0.013 χ^2/NDF:930001.4/10

+ sign 55.526+/-0.011 χ^2/NDF: 3466488.6/28

All: 54.944+/-0.007 χ^2/NDF: 7005762.0/58

- sign 54.369+/-0.011 χ^2/NDF: 3533274.6/29



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/12

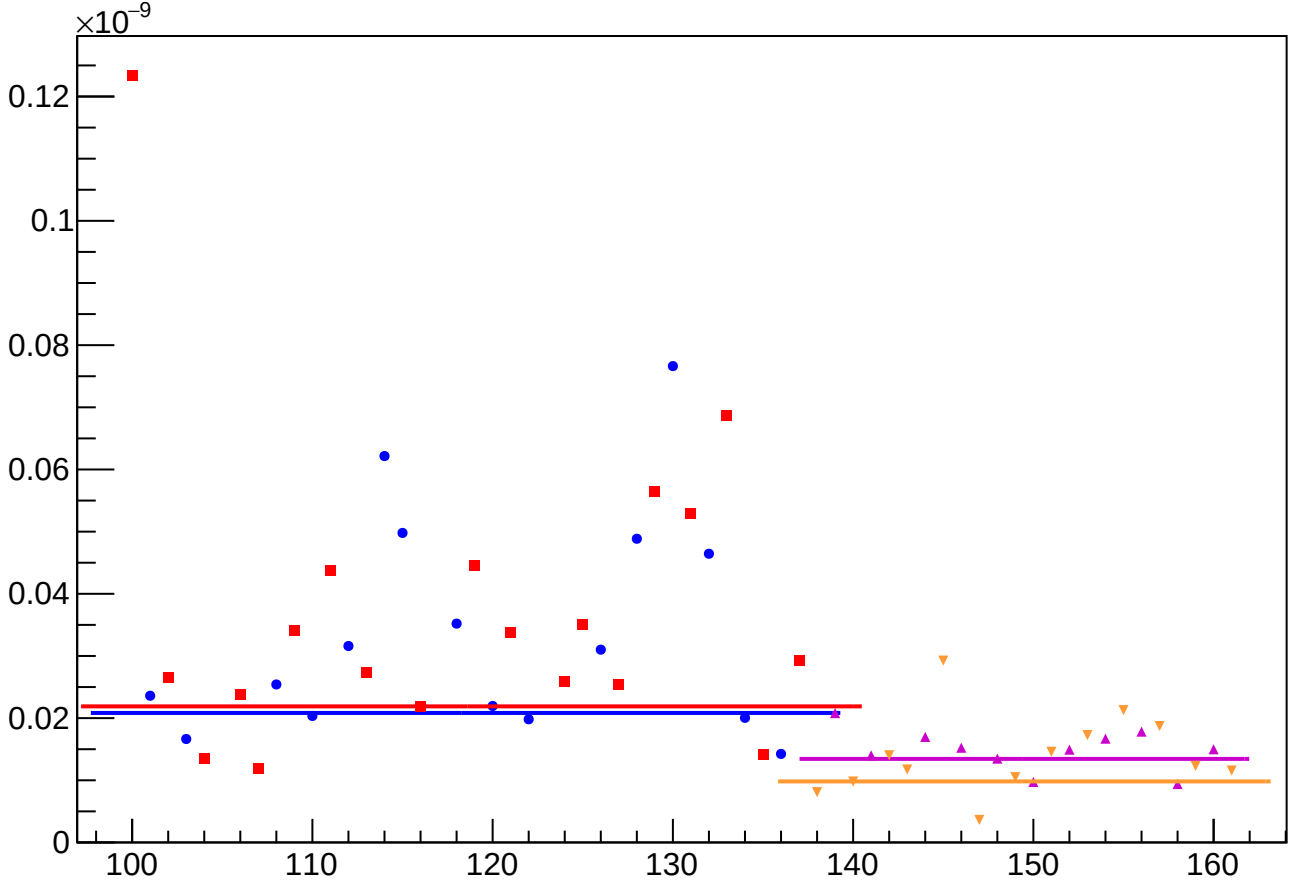
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:14.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/28

All: -0.000+/-0.000 χ^2/NDF: 63.0/58

- sign 0.000+/-0.000 χ^2/NDF: 23.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2672080.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

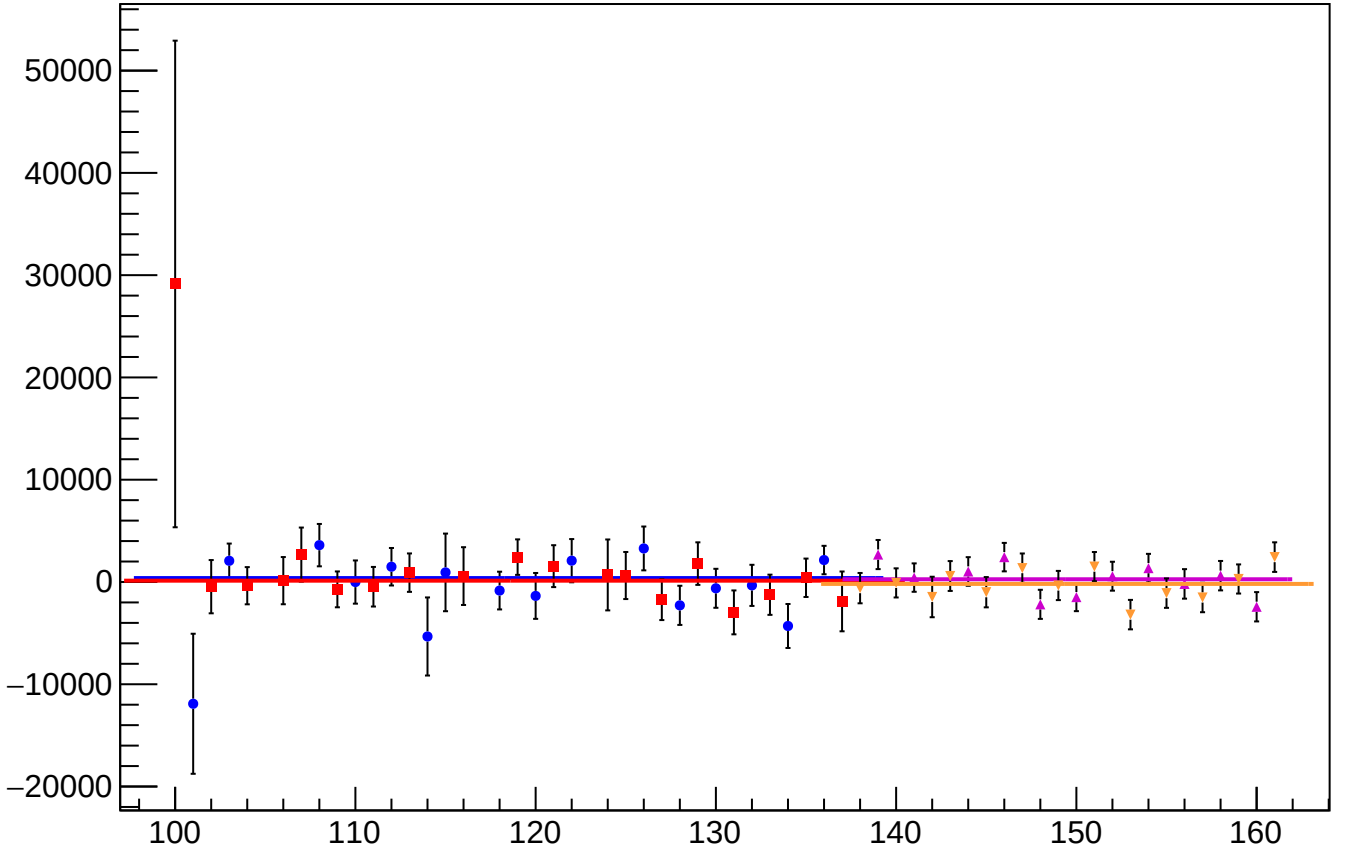
Left In: 0.000+/-0.000 χ^2/NDF:664949.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 5697318.5/28

All: 0.000+/-0.000 χ^2/NDF: 9701246.8/58

- sign 0.000+/-0.000 χ^2/NDF: 3395986.5/29

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -189.989+/-407.721 χ^2/NDF:12.6/12

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

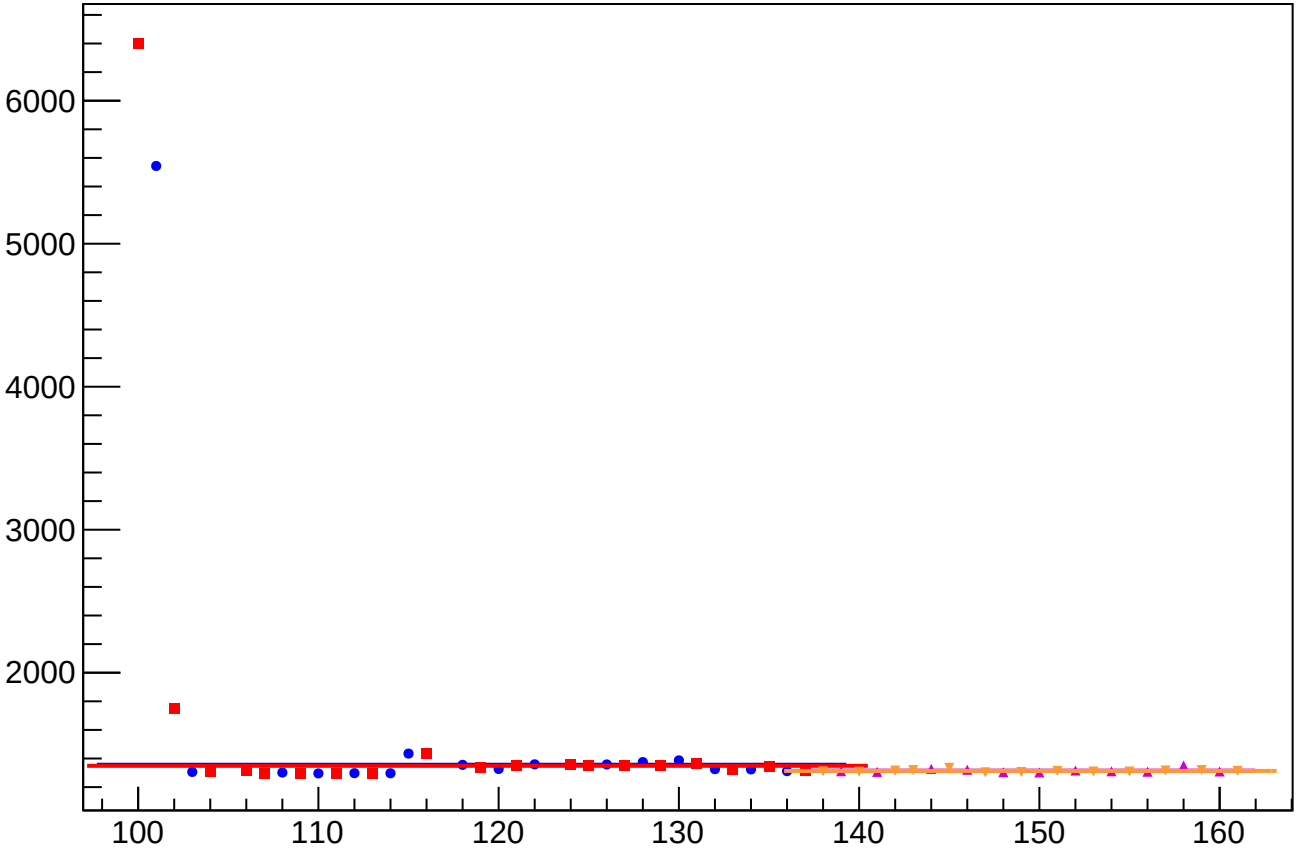
Left In: 265.339+/-425.423 χ^2/NDF:14.5/10

+ sign 28.701+/-320.332 χ^2/NDF: 34.9/28

All: 117.138+/-227.892 χ^2/NDF: 59.6/58

- sign 207.768+/-324.280 χ^2/NDF: 24.5/29

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1313.159+/-0.288 χ^2/NDF:720.2/12

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

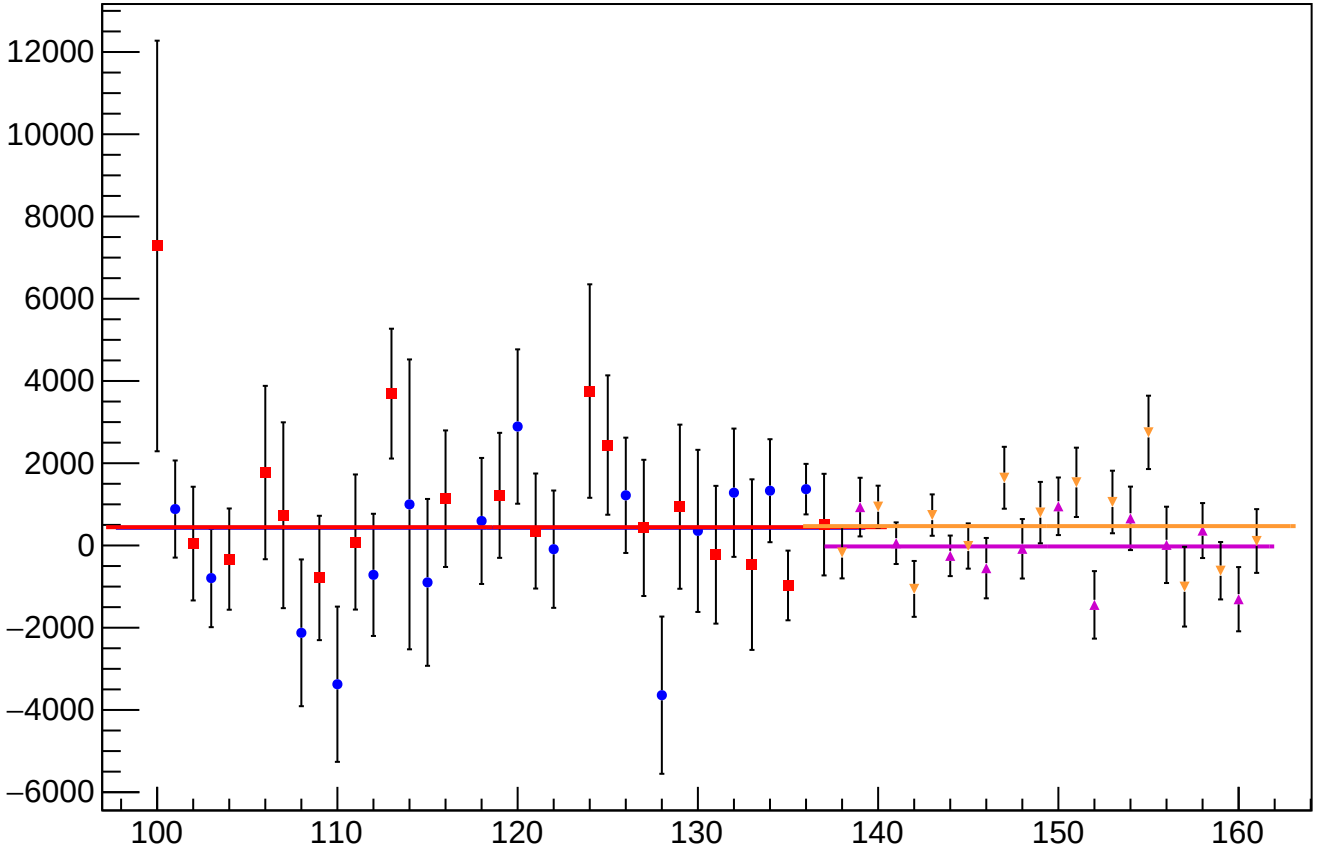
Left In: 1315.303+/-0.301 χ^2/NDF:1945.8/10

+ sign 1329.708+/-0.227 χ^2/NDF: 769594.9/28

All: 1329.561+/-0.161 χ^2/NDF: 924056.3/58

- sign 1329.411+/-0.229 χ^2/NDF: 154460.6/29

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 470.528+/-187.283 χ^2/NDF:24.3/12

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

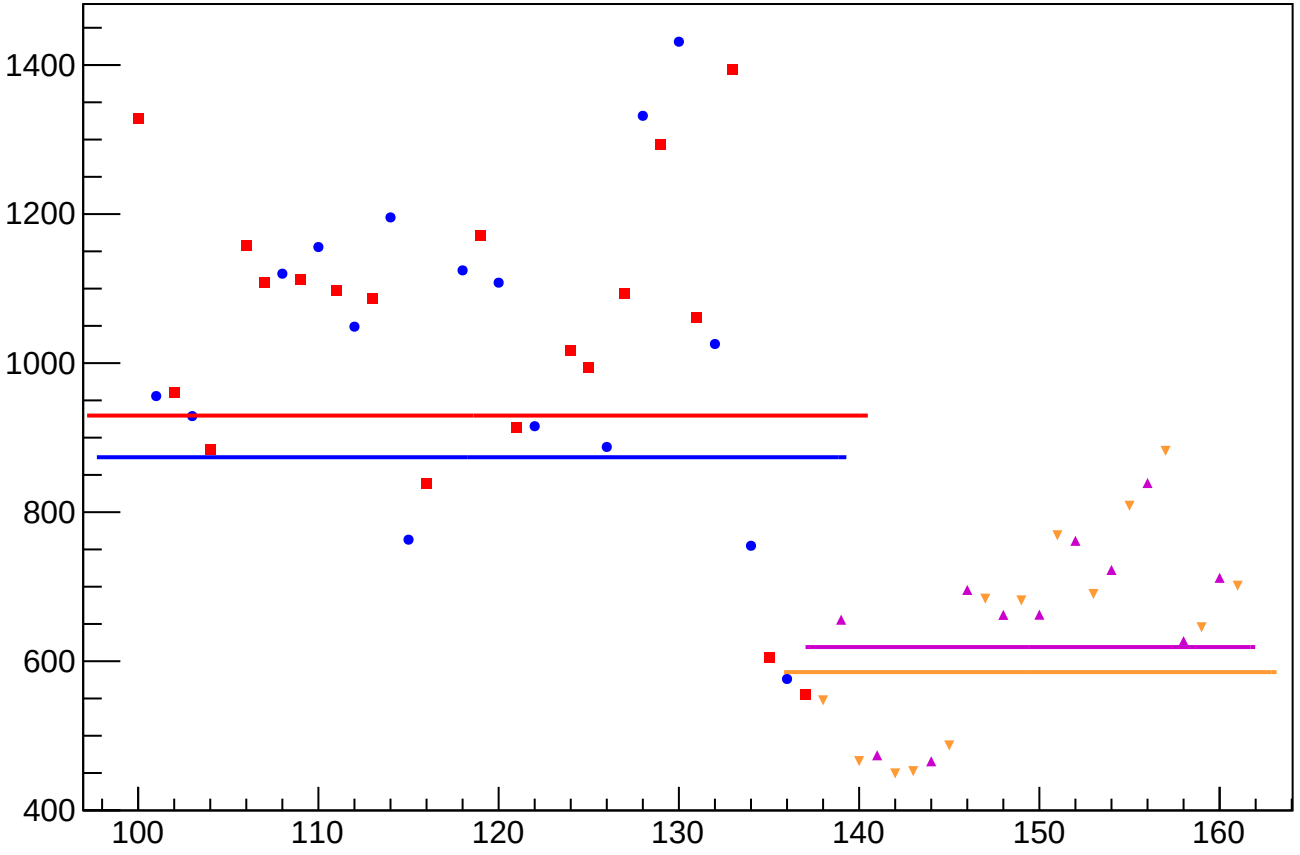
Left In: -23.694+/-204.158 χ^2/NDF:11.3/10

+ sign 461.113+/-163.869 χ^2/NDF: 42.5/28

All: 290.989+/-120.264 χ^2/NDF: 71.9/58

- sign 92.389+/-177.052 χ^2/NDF: 27.0/29

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 585.385+/-0.132 χ^2/NDF:973030.0/12

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

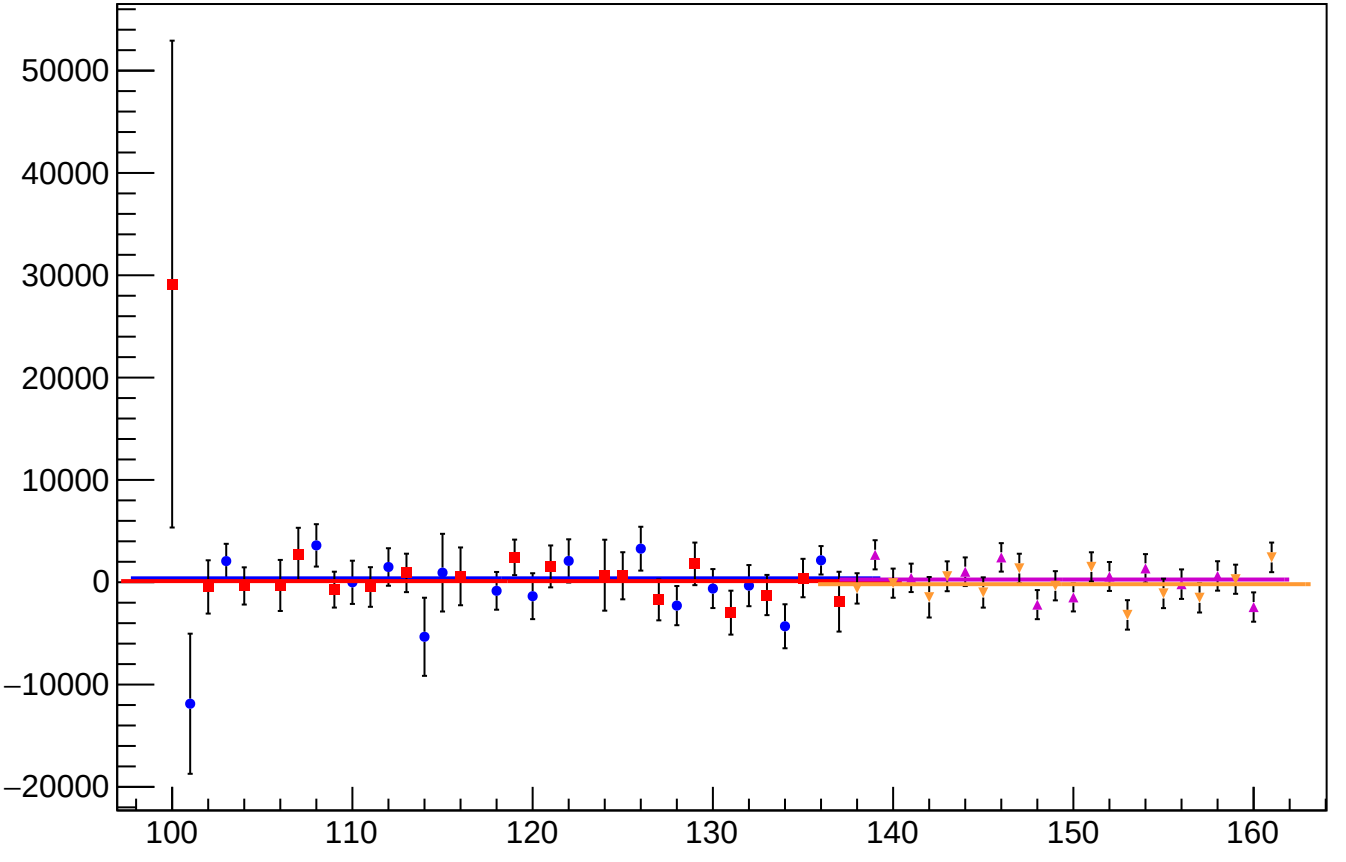
Left In: 619.011+/-0.144 χ^2/NDF:637191.5/10

\+ sign 652.977+/-0.116 χ^2/NDF: 3099225.3/28

All: 672.836+/-0.085 χ^2/NDF: 5807808.3/58

\- sign 696.018+/-0.125 χ^2/NDF: 2644921.6/29

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -190.062+/-407.721 χ^2/NDF:12.6/12

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

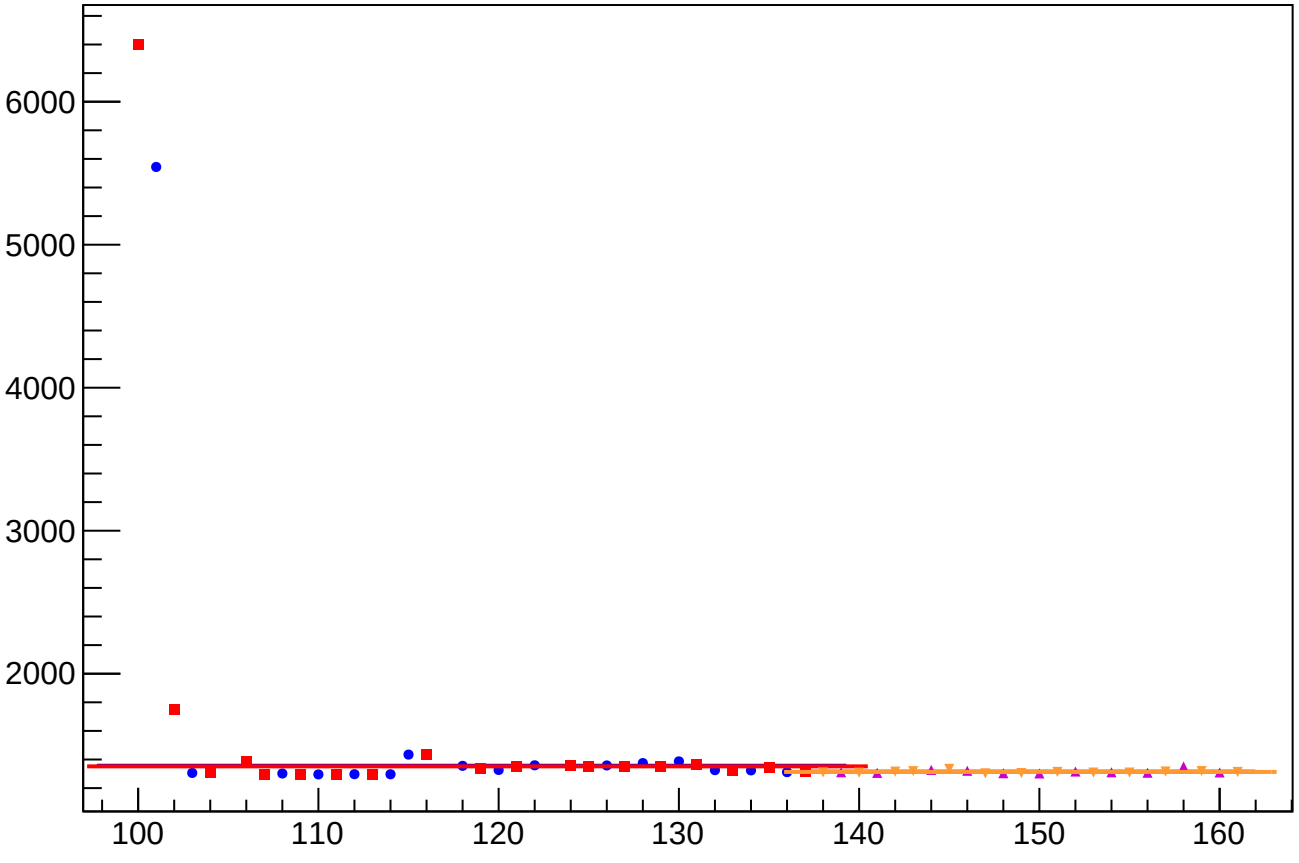
Left In: 265.347+/-425.423 χ^2/NDF:14.5/10

+ sign 28.774+/-320.332 χ^2/NDF: 34.9/28

All: 113.530+/-228.052 χ^2/NDF: 59.6/58

- sign 200.636+/-324.742 χ^2/NDF: 24.6/29

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.159+/-0.288 χ^2/NDF:720.2/12

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

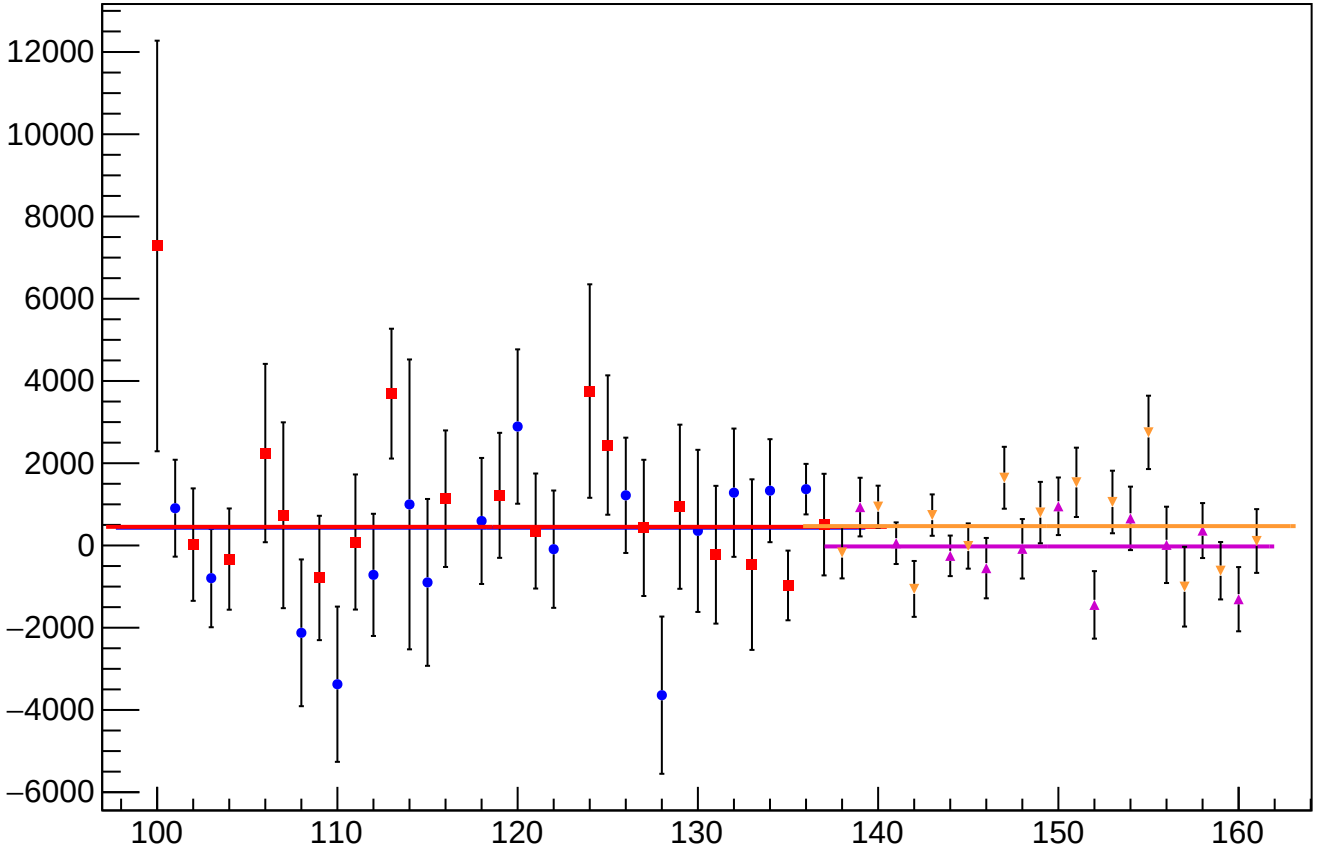
Left In: 1315.303+/-0.301 χ^2/NDF:1945.8/10

+ sign 1329.708+/-0.227 χ^2/NDF: 769593.9/28

All: 1330.174+/-0.161 χ^2/NDF: 925113.2/58

- sign 1330.652+/-0.230 χ^2/NDF: 155510.7/29

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 470.460+/-187.283 χ^2/NDF:24.3/12

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

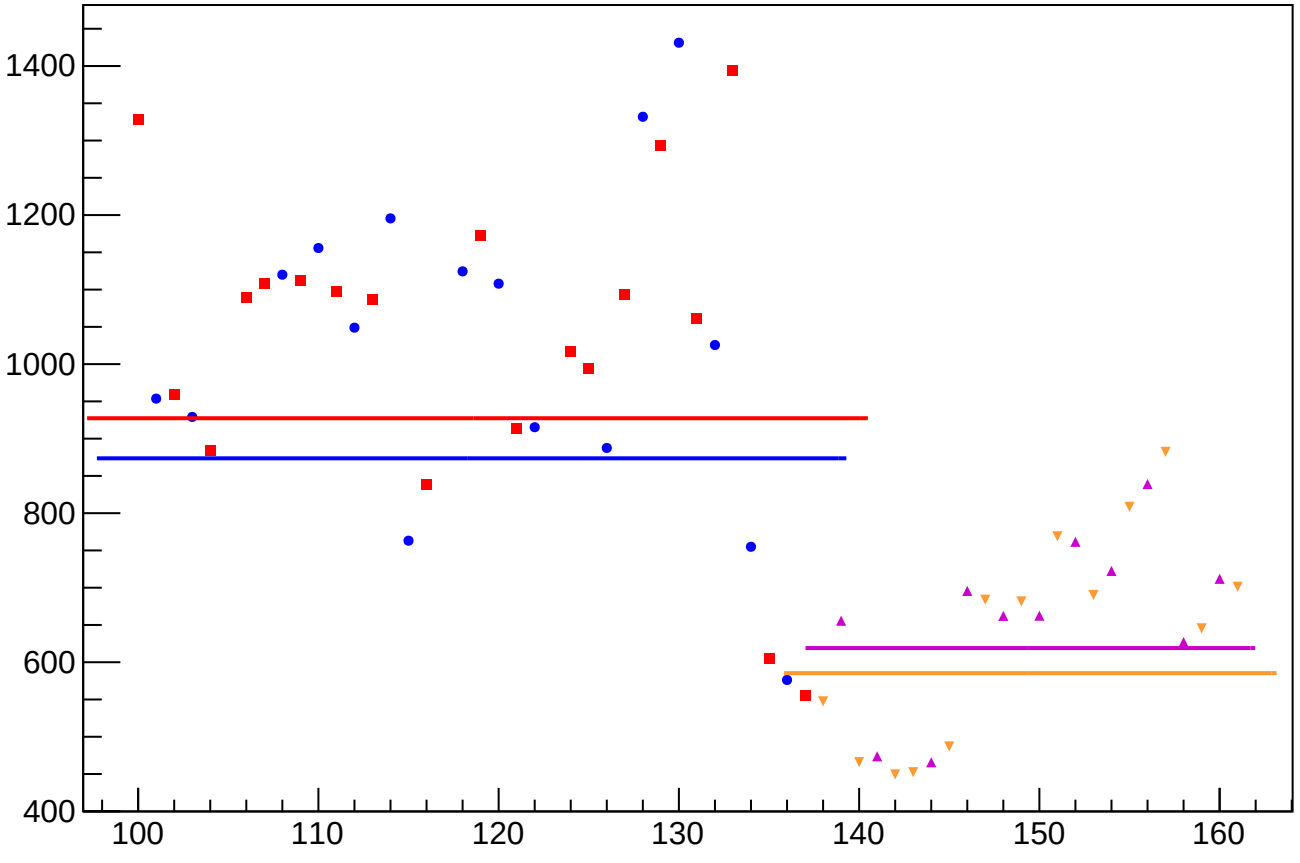
Left In: -23.742+/-204.156 χ^2/NDF:11.3/10

+ sign 461.474+/-163.862 χ^2/NDF: 42.6/28

All: 292.141+/-120.261 χ^2/NDF: 72.2/58

- sign 94.452+/-177.051 χ^2/NDF: 27.4/29

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 585.387+/-0.132 χ^2/NDF:972982.5/12

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

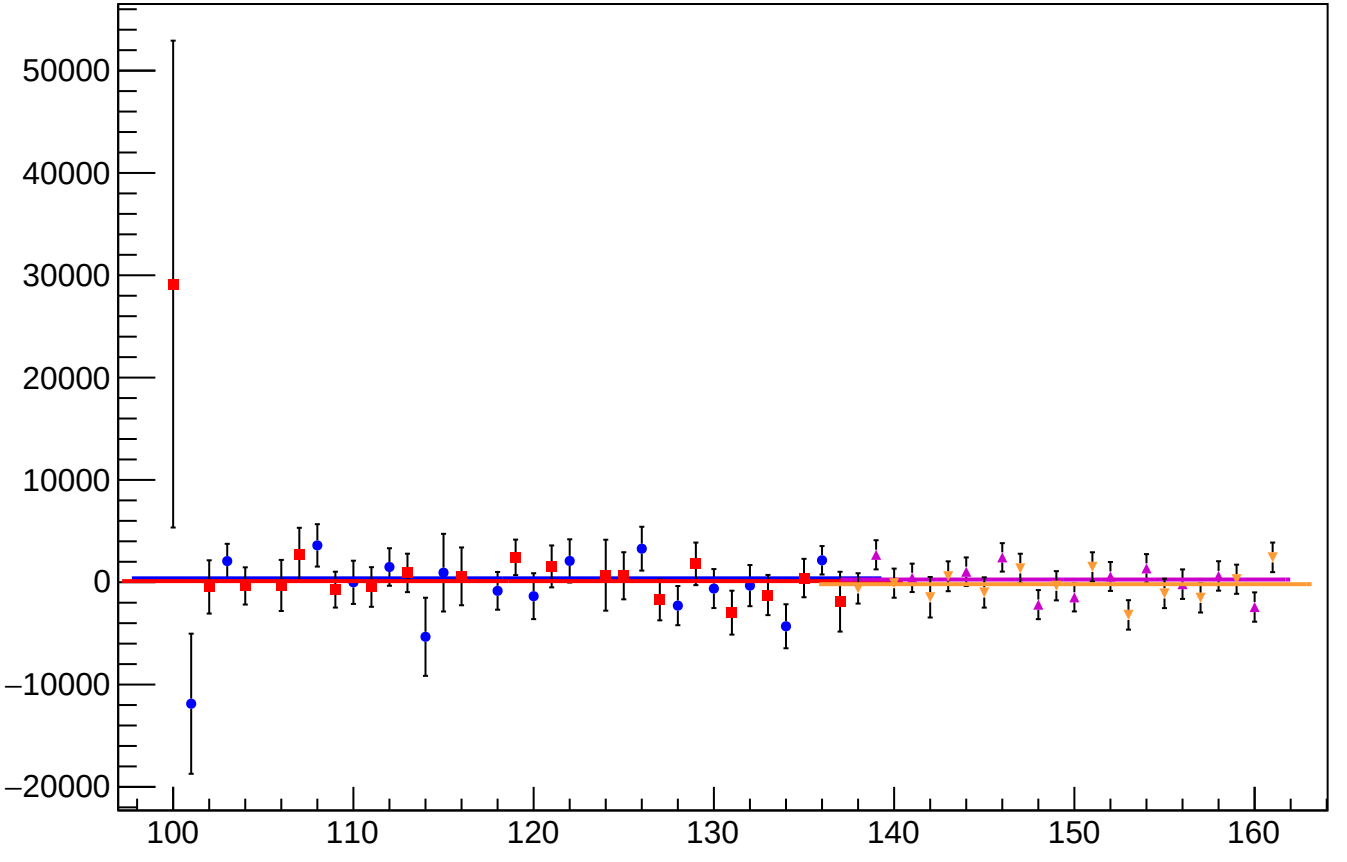
Left In: 619.004+/-0.144 χ^2/NDF:637245.2/10

\+ sign 652.967+/-0.116 χ^2/NDF: 3098014.0/28

All: 672.570+/-0.085 χ^2/NDF: 5776101.7/58

\- sign 695.457+/-0.125 χ^2/NDF: 2616043.8/29

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -190.062+/-407.721 χ^2/NDF:12.6/12

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

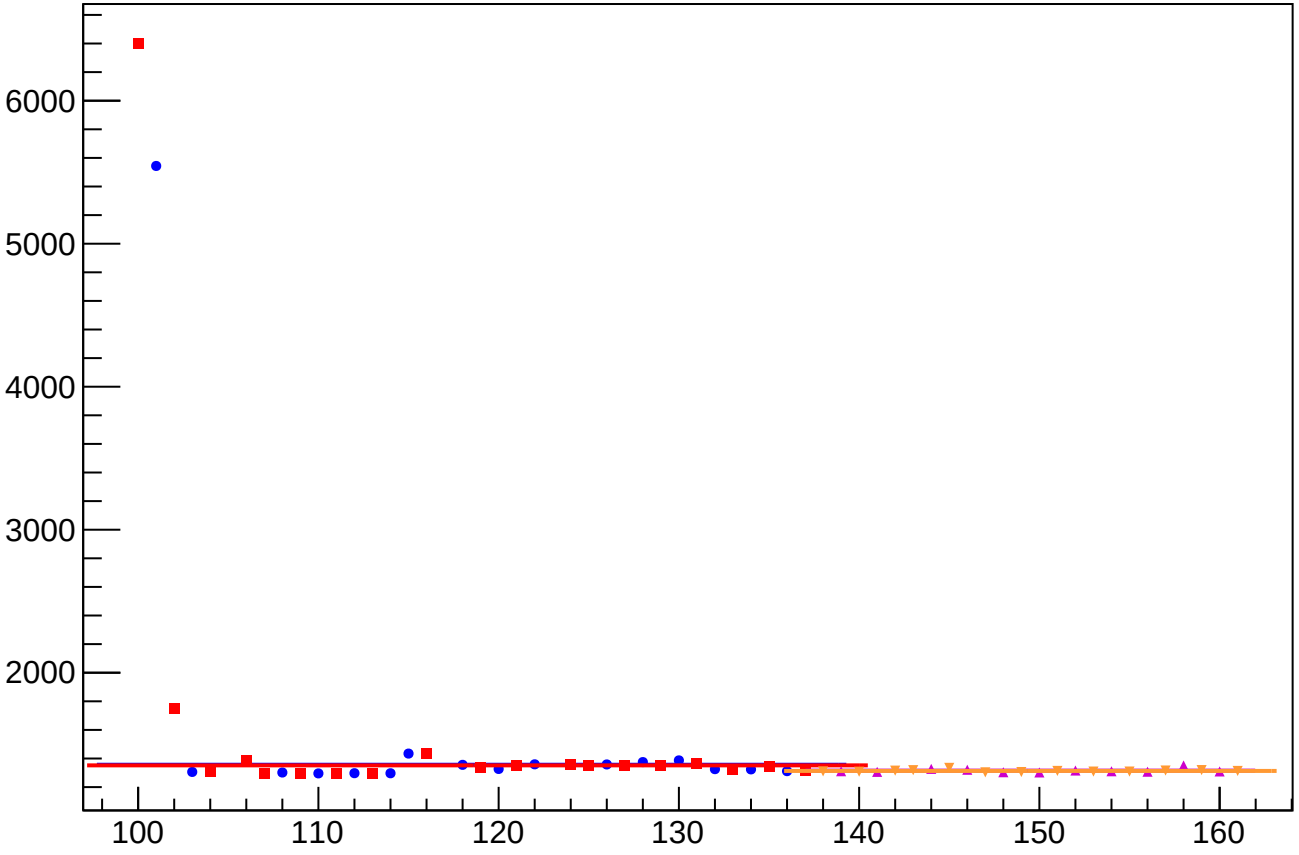
Left In: 265.347+/-425.423 χ^2/NDF:14.5/10

+ sign 28.774+/-320.332 χ^2/NDF: 34.9/28

All: 113.530+/-228.052 χ^2/NDF: 59.6/58

- sign 200.636+/-324.742 χ^2/NDF: 24.6/29

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.159+/-0.288 χ^2/NDF:720.2/12

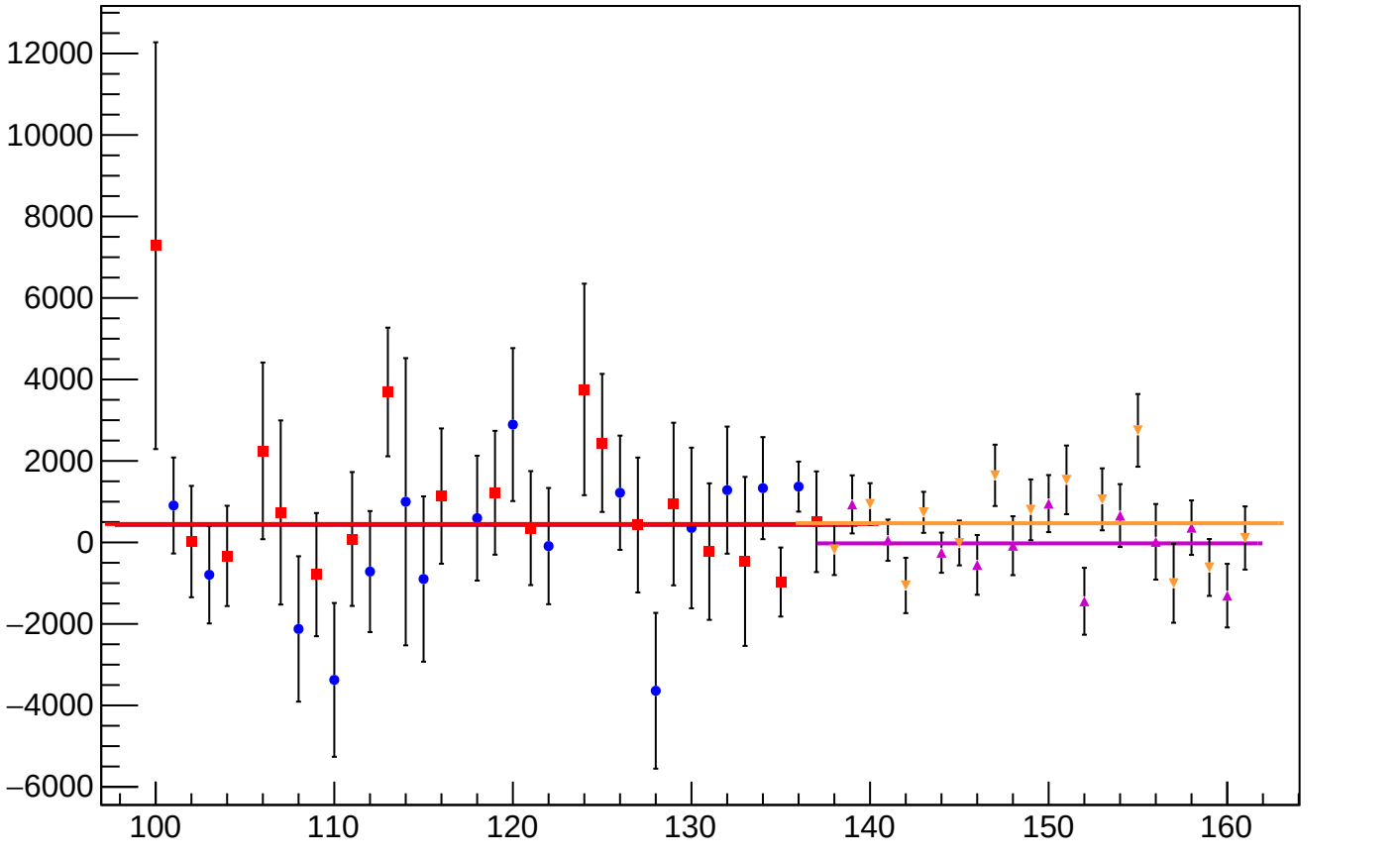
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.303+/-0.301 χ^2/NDF:1945.8/10

+ sign 1329.708+/-0.227 χ^2/NDF: 769593.9/28

All: 1330.174+/-0.161 χ^2/NDF: 925113.2/58

- sign 1330.652+/-0.230 χ^2/NDF: 155510.7/29



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 470.460+/-187.283 χ^2/NDF:24.3/12

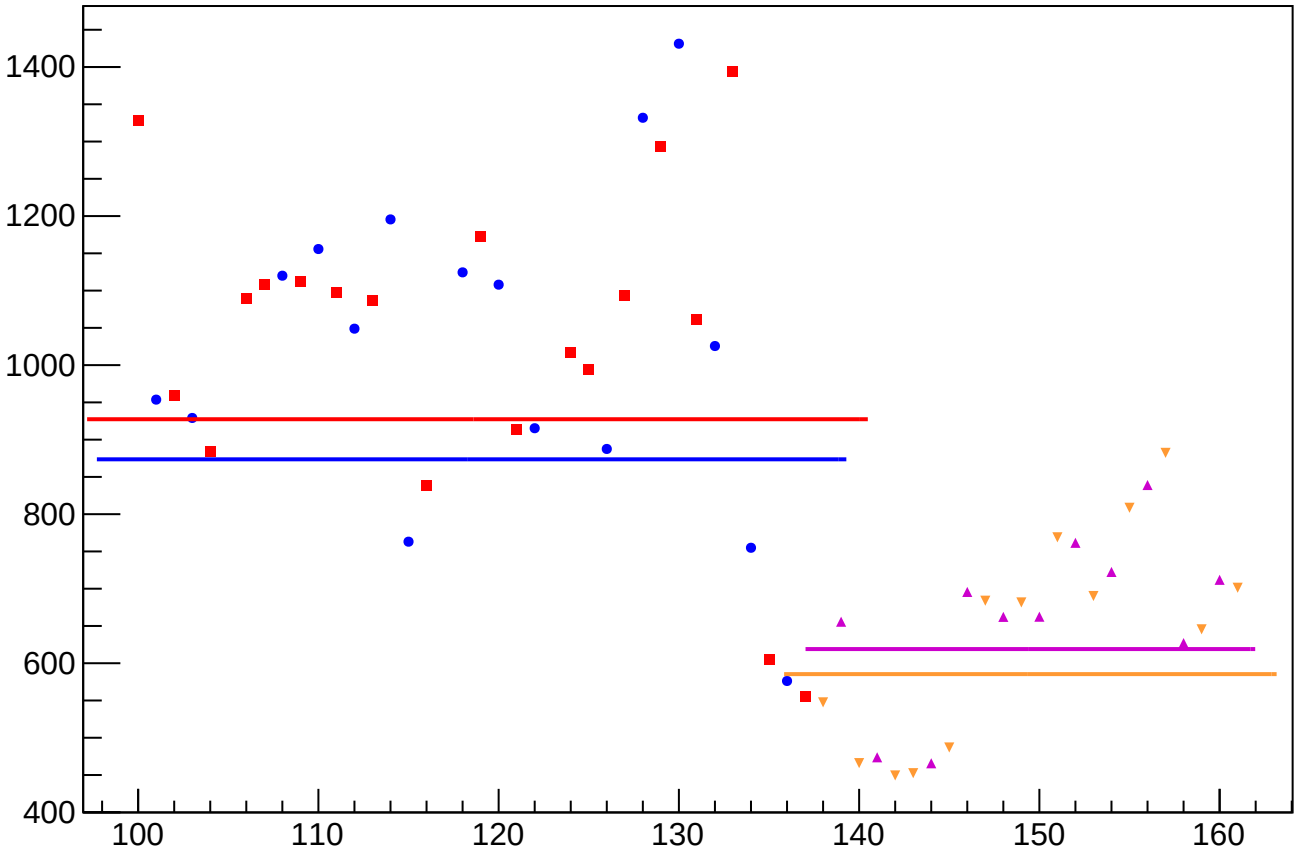
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -23.742+/-204.156 χ^2/NDF:11.3/10

+ sign 461.474+/-163.862 χ^2/NDF: 42.6/28

All: 292.141+/-120.261 χ^2/NDF: 72.2/58

- sign 94.452+/-177.051 χ^2/NDF: 27.4/29



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 585.387+/-0.132 χ^2/NDF:972982.5/12

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

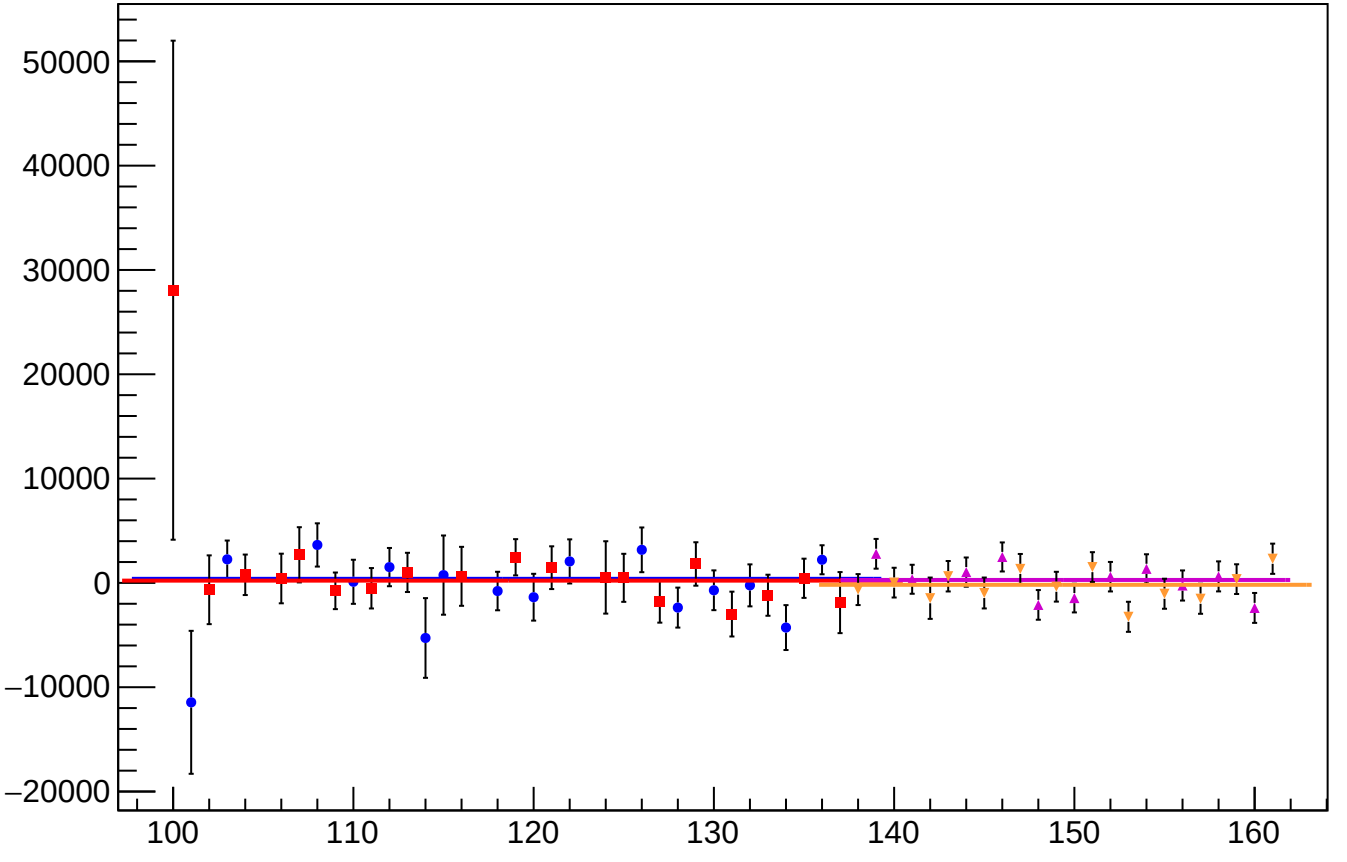
Left In: 619.004+/-0.144 χ^2/NDF:637245.2/10

+ sign 652.967+/-0.116 χ^2/NDF: 3098014.0/28

All: 672.570+/-0.085 χ^2/NDF: 5776101.7/58

- sign 695.457+/-0.125 χ^2/NDF: 2616043.8/29

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -182.485+/-408.034 χ^2/NDF:12.6/12

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

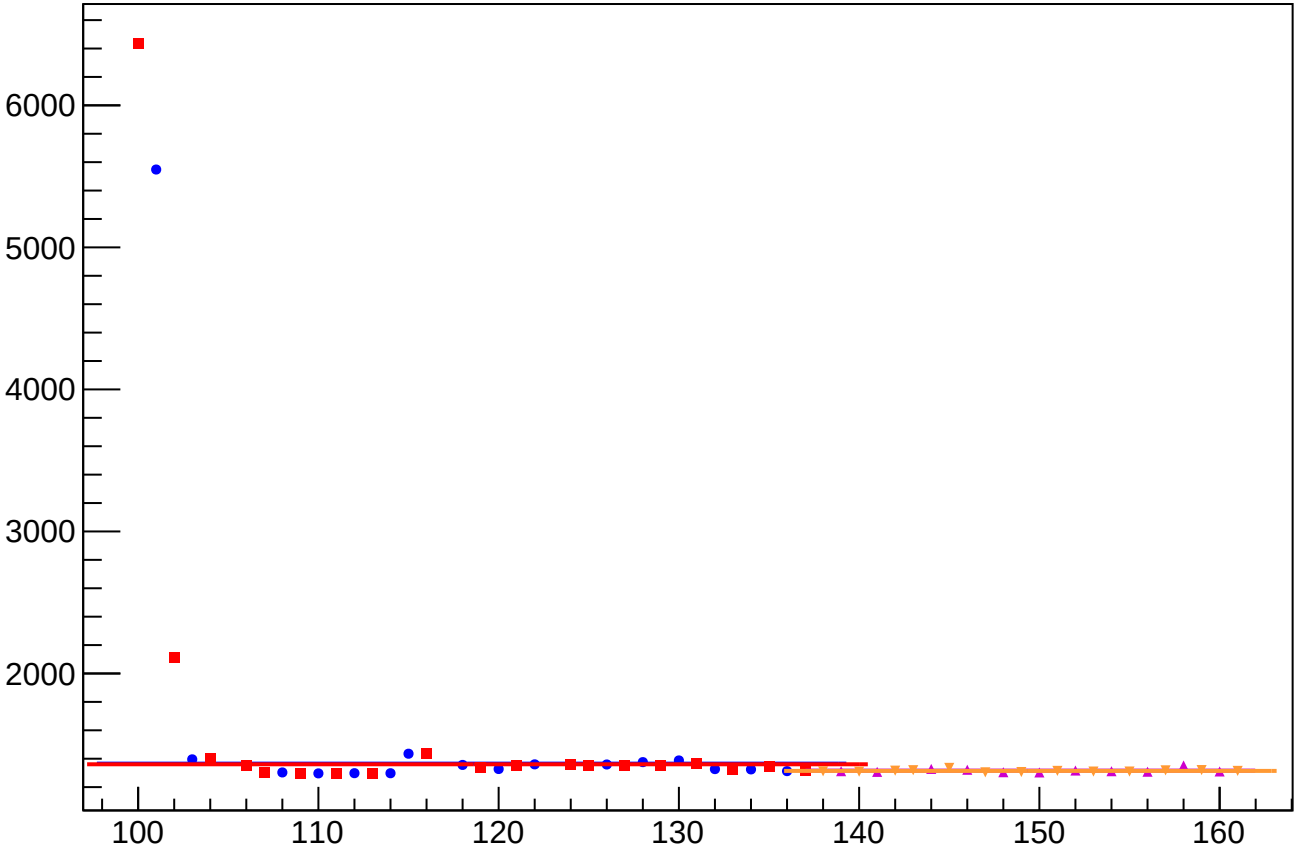
Left In: 282.478+/-425.707 χ^2/NDF:14.6/10

+ sign 35.058+/-321.278 χ^2/NDF: 34.7/28

All: 143.802+/-228.921 χ^2/NDF: 59.5/58

- sign 255.949+/-326.267 χ^2/NDF: 24.6/29

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.165+/-0.289 χ^2/NDF:718.0/12

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

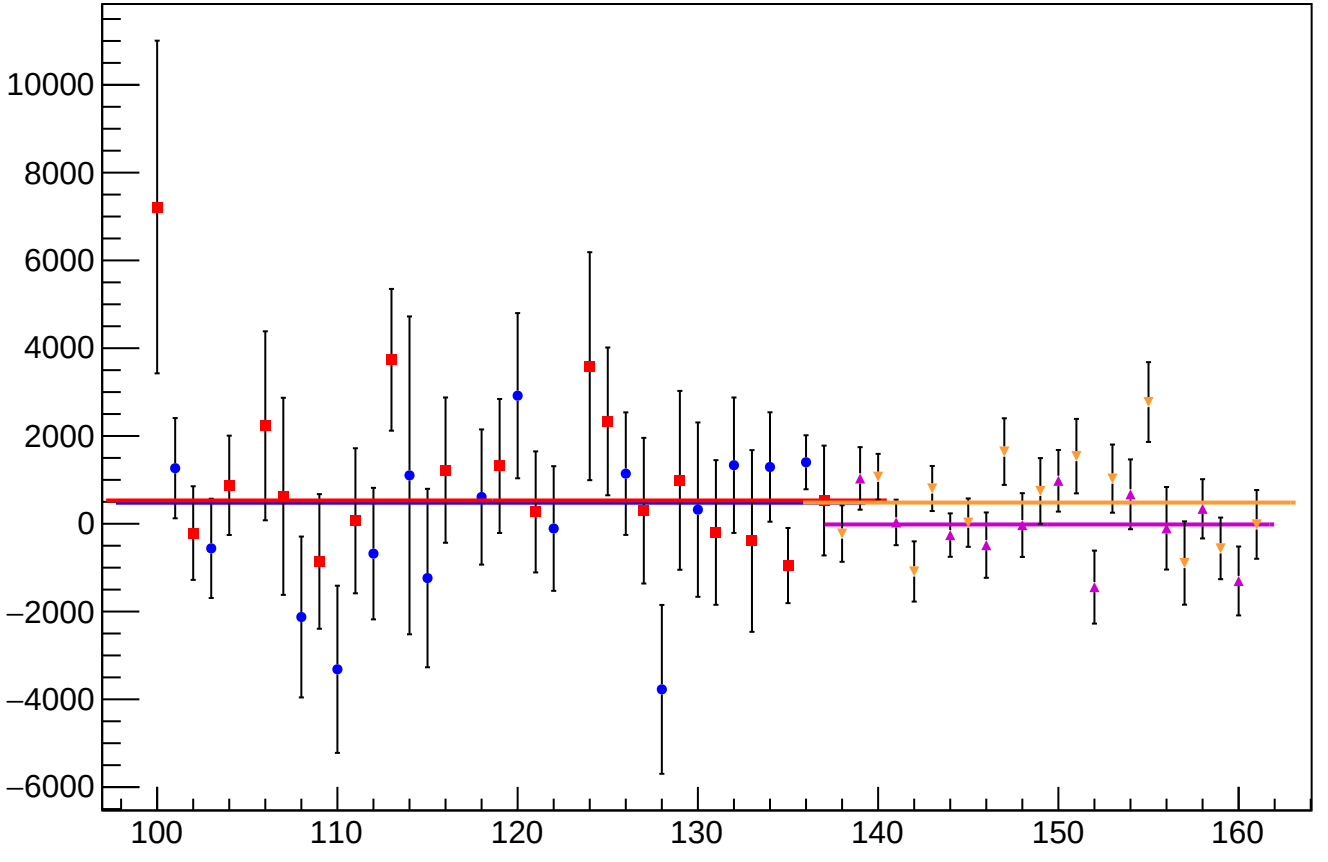
Left In: 1316.180+/-0.301 χ^2/NDF:1946.8/10

+ sign 1333.599+/-0.227 χ^2/NDF: 771600.7/28

All: 1334.081+/-0.162 χ^2/NDF: 987926.0/58

- sign 1334.579+/-0.231 χ^2/NDF: 216316.1/29

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 482.943+/-189.497 χ^2/NDF:24.4/12

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

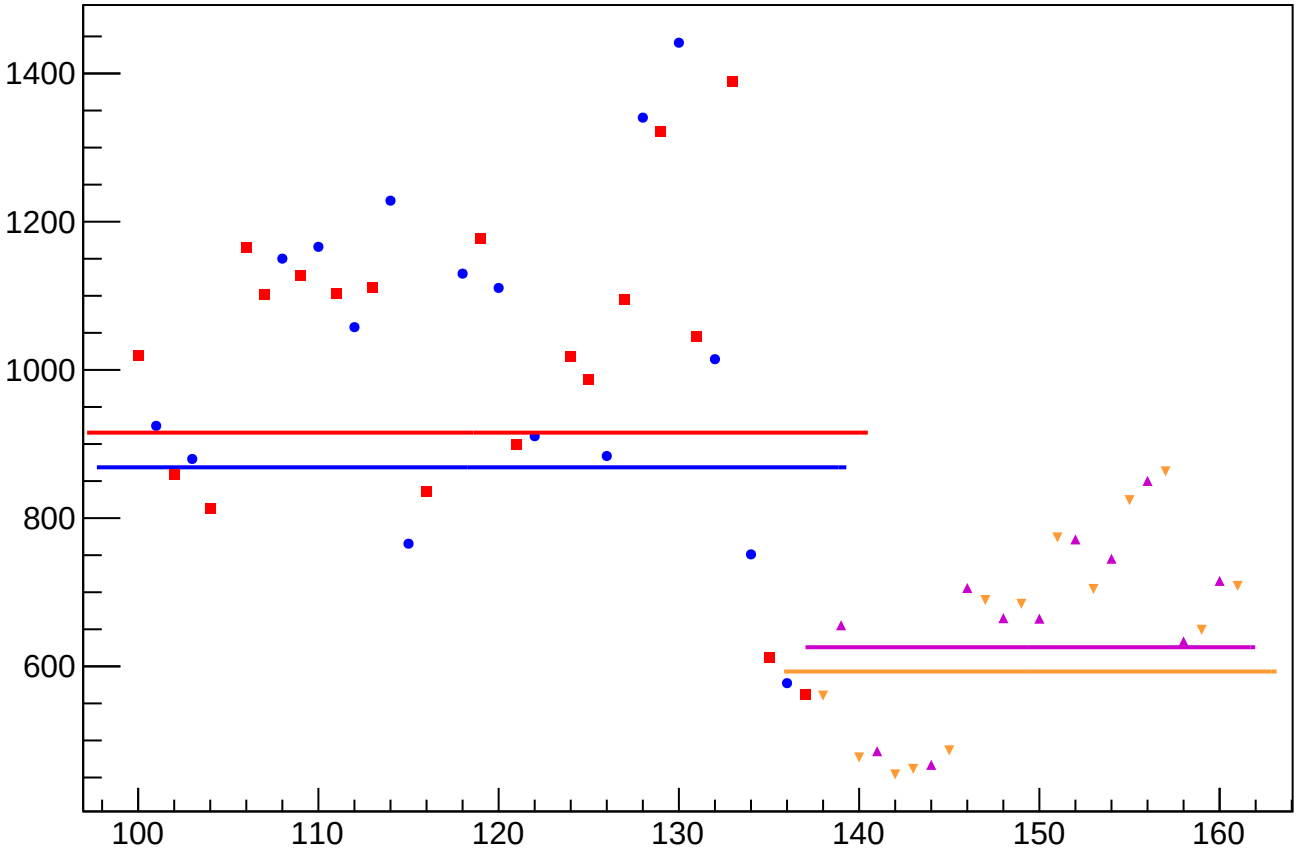
Left In: -15.813+/-206.339 χ^2/NDF:11.5/10

+ sign 482.331+/-165.118 χ^2/NDF: 43.0/28

All: 317.434+/-120.812 χ^2/NDF: 74.1/58

- sign 127.452+/-177.233 χ^2/NDF: 29.0/29

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 593.015+/-0.134 χ^2/NDF:933069.4/12

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

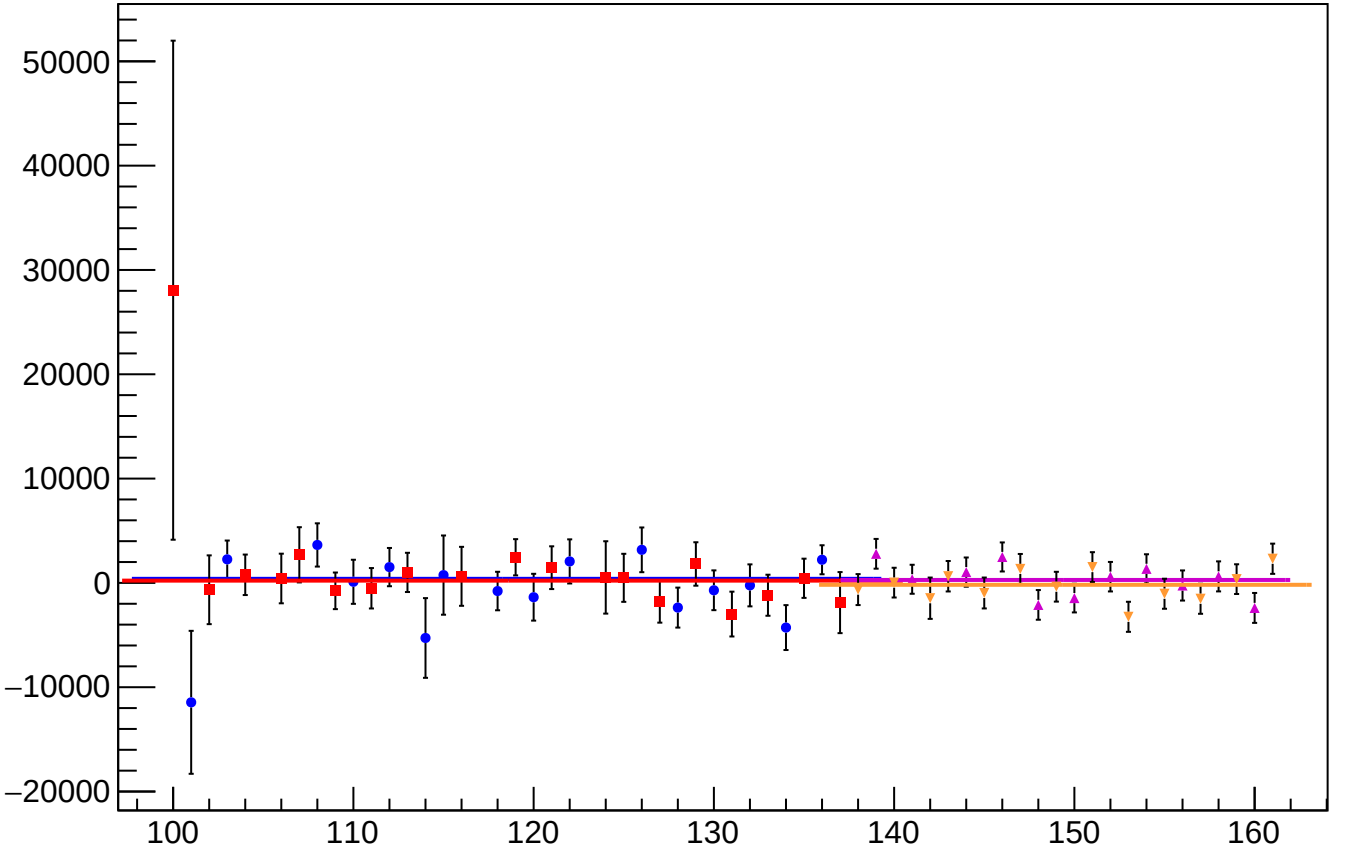
Left In: 625.815+/-0.146 χ^2/NDF:637394.7/10

+ sign 659.355+/-0.117 χ^2/NDF: 2972567.6/28

All: 679.050+/-0.085 χ^2/NDF: 5562800.7/58

- sign 701.740+/-0.125 χ^2/NDF: 2528997.8/29

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -182.487+/-408.034 χ^2/NDF:12.6/12

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

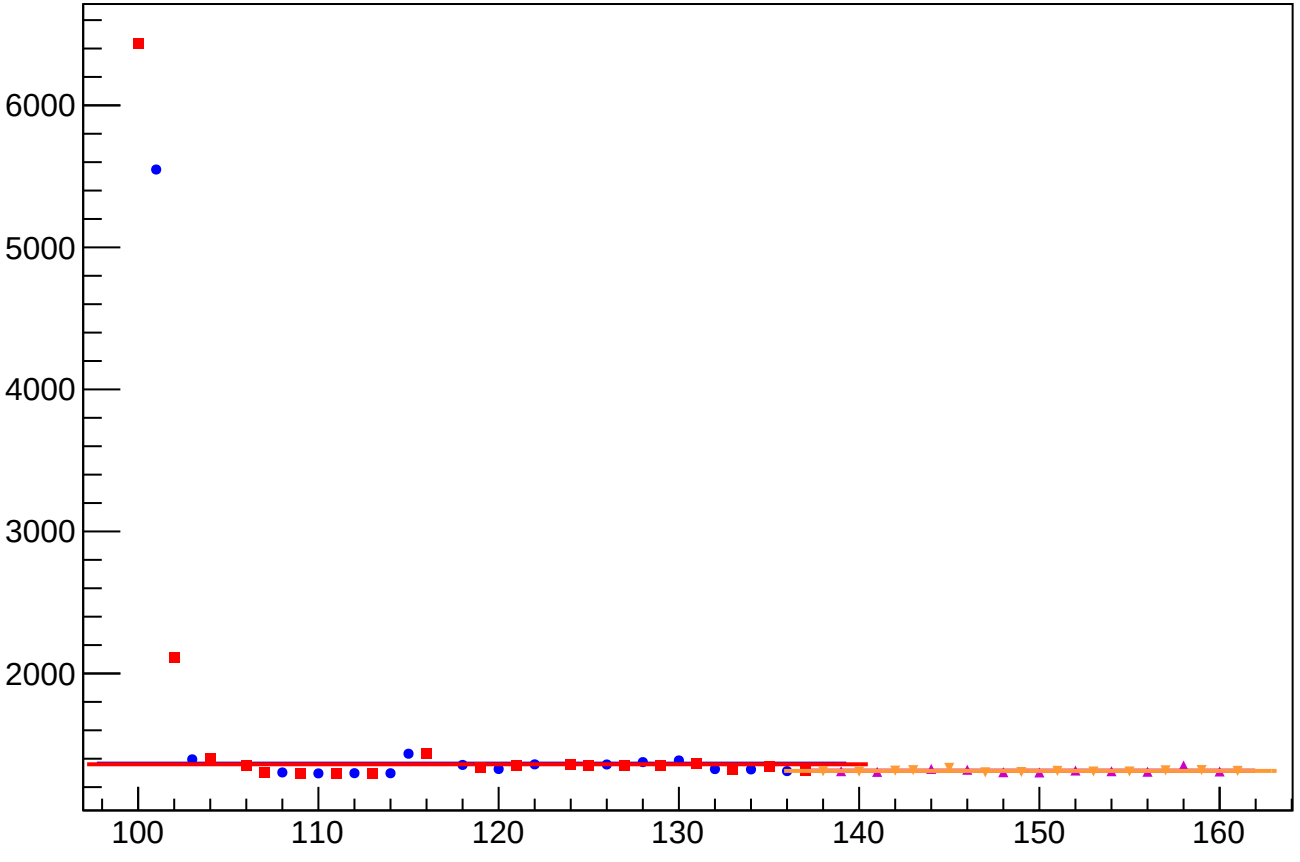
Left In: 282.477+/-425.707 χ^2/NDF:14.6/10

+ sign 35.057+/-321.278 χ^2/NDF: 34.7/28

All: 143.801+/-228.921 χ^2/NDF: 59.5/58

- sign 255.948+/-326.267 χ^2/NDF: 24.6/29

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.165+/-0.289 χ^2/NDF:718.0/12

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

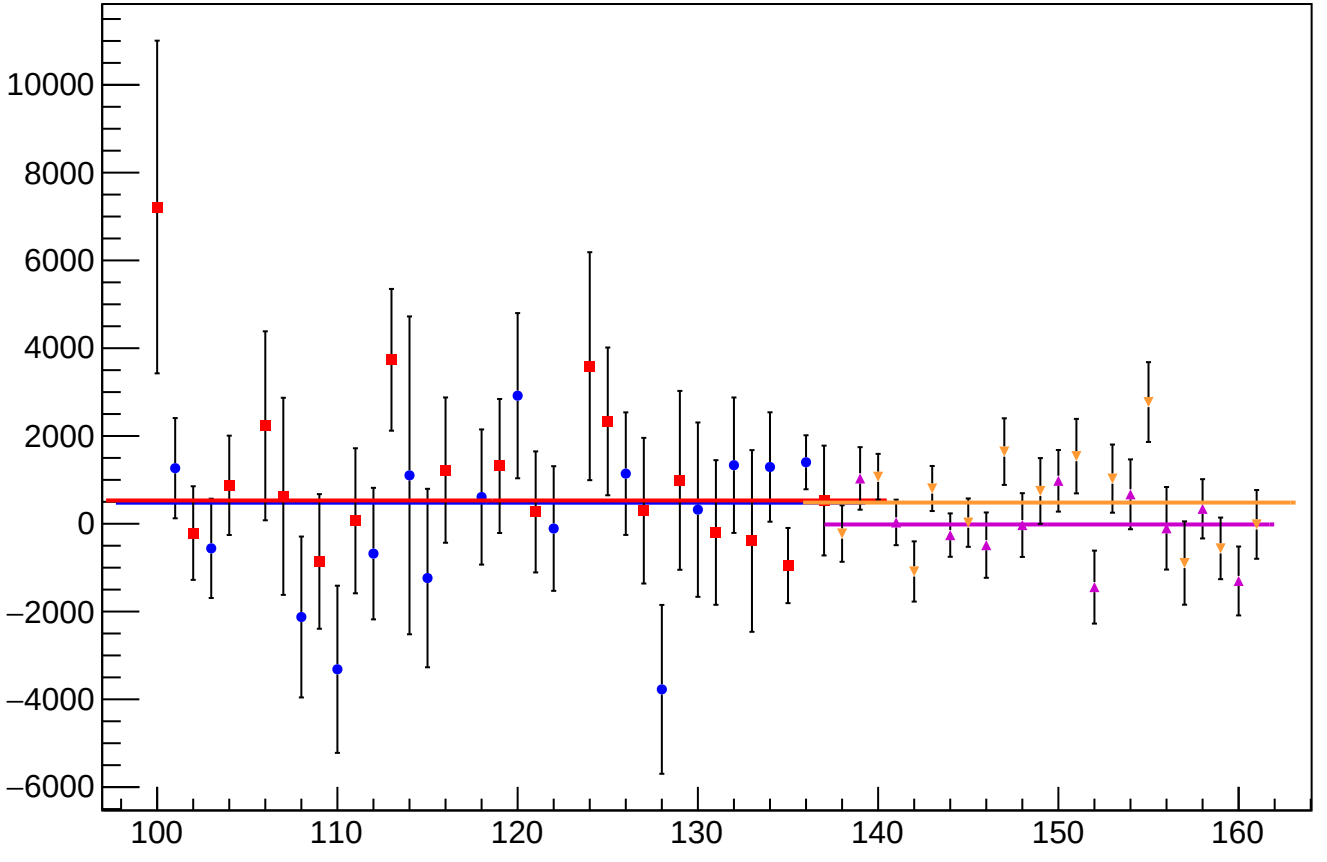
Left In: 1316.180+/-0.301 χ^2/NDF:1946.8/10

+ sign 1333.598+/-0.227 χ^2/NDF: 771600.7/28

All: 1334.081+/-0.162 χ^2/NDF: 987925.9/58

- sign 1334.579+/-0.231 χ^2/NDF: 216316.0/29

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 482.944+/-189.497 χ^2/NDF:24.4/12

Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

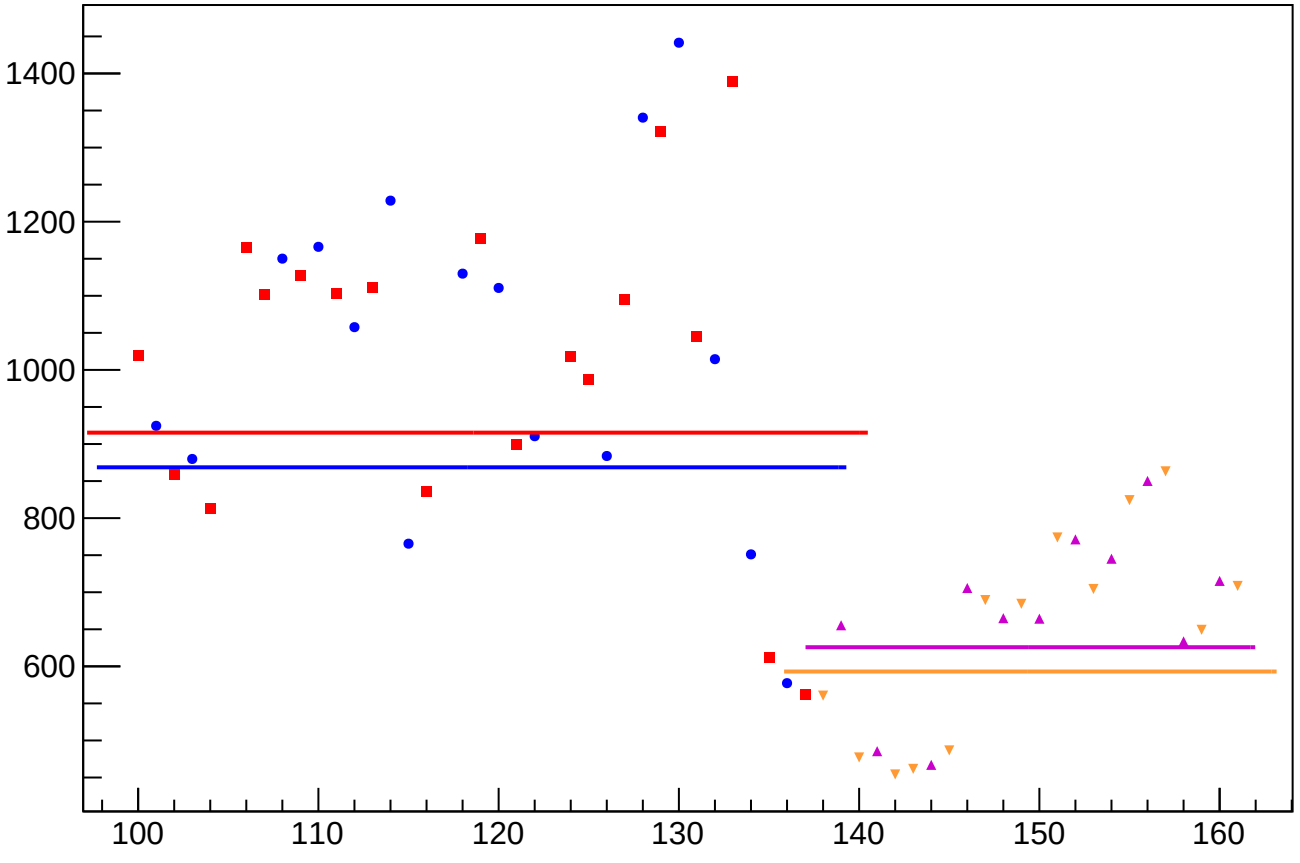
Left In: -15.813+/-206.339 χ^2/NDF:11.5/10

+ sign 482.331+/-165.118 χ^2/NDF: 43.0/28

All: 317.434+/-120.812 χ^2/NDF: 74.1/58

- sign 127.452+/-177.233 χ^2/NDF: 29.0/29

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 593.015+/-0.134 χ^2/NDF:933083.8/12

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

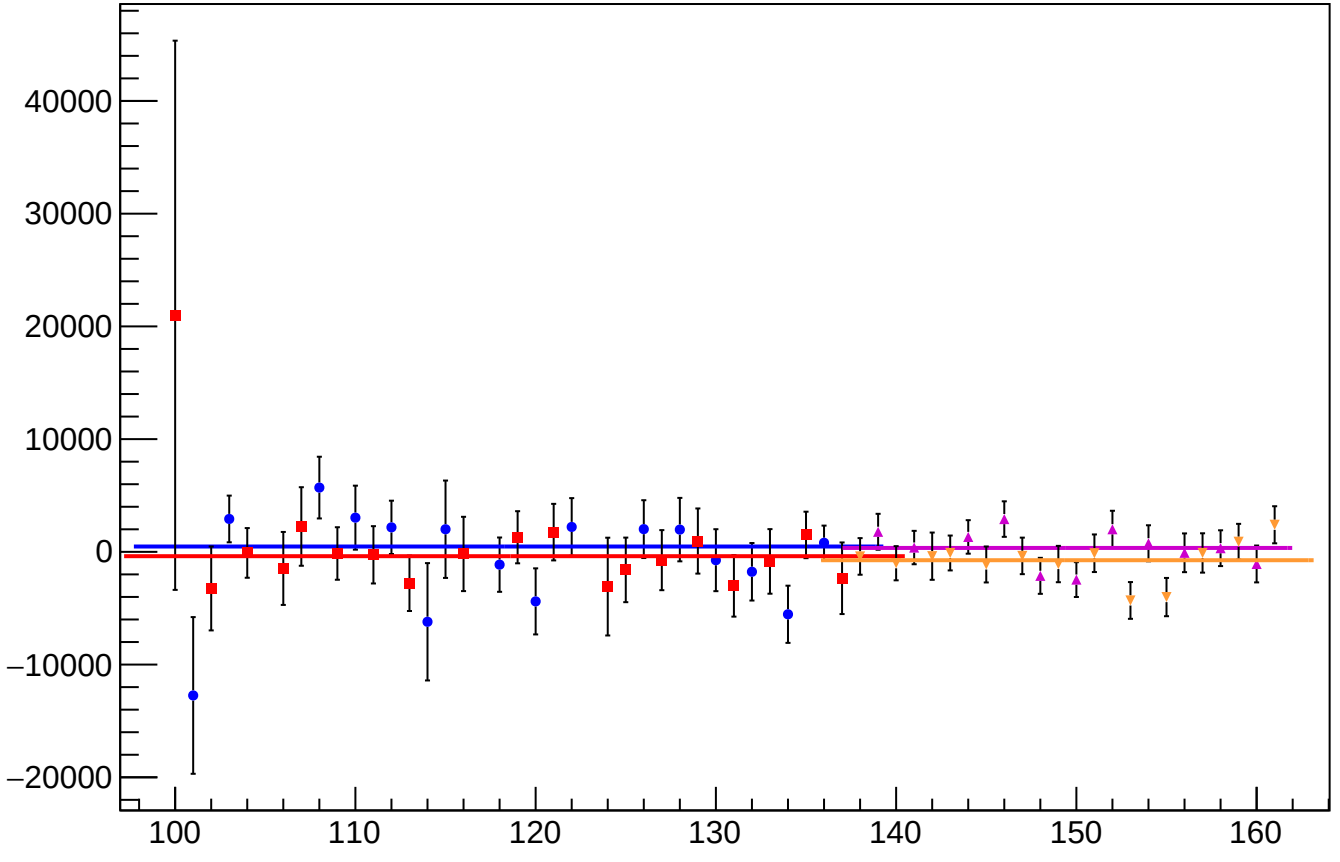
Left In: 625.816+/-0.146 χ^2/NDF:637401.5/10

+ sign 659.355+/-0.117 χ^2/NDF: 2972566.0/28

All: 679.050+/-0.085 χ^2/NDF: 5562790.0/58

- sign 701.741+/-0.125 χ^2/NDF: 2528986.2/29

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -742.601+/-456.670 χ^2/NDF:13.9/12

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

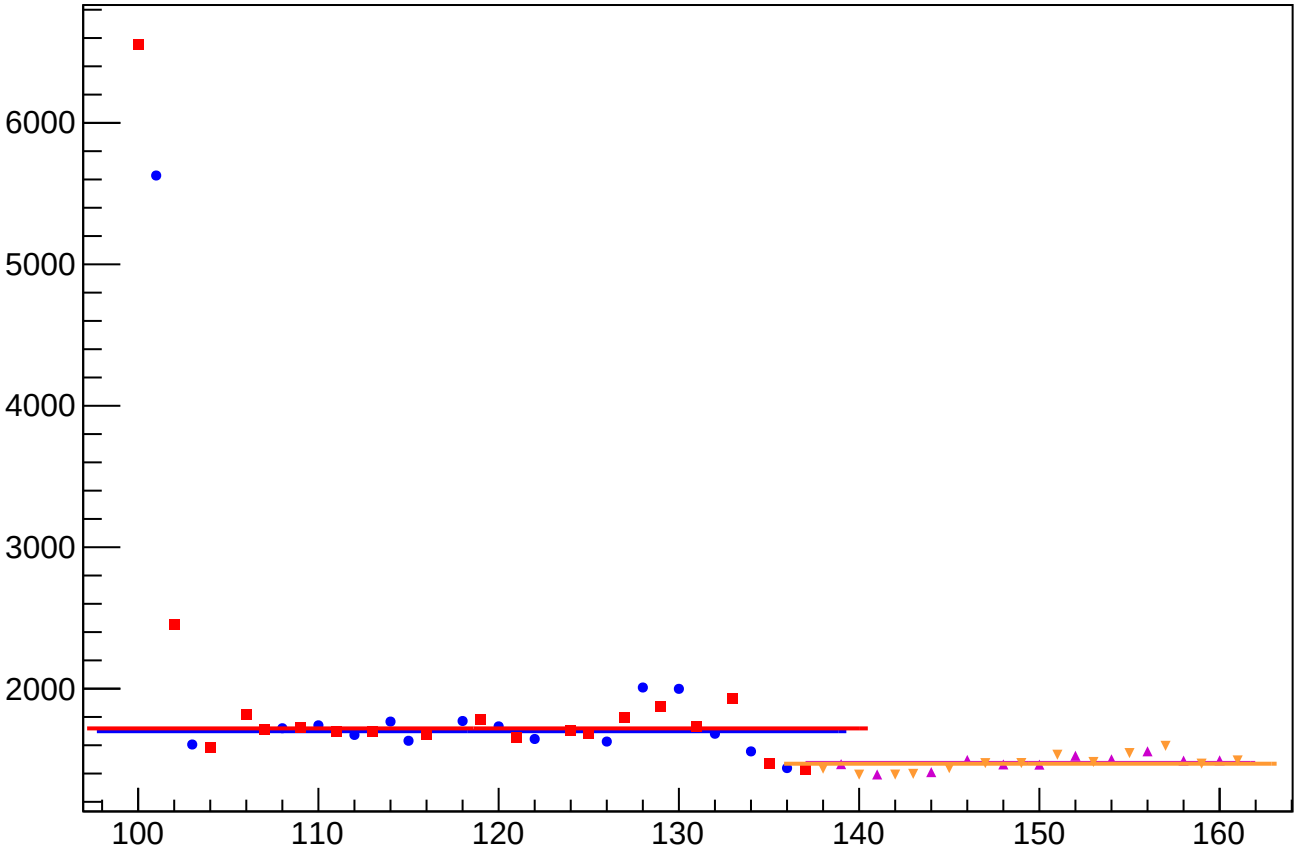
Left In: 346.965+/-477.341 χ^2/NDF:11.5/10

+ sign -340.080+/-373.523 χ^2/NDF: 39.0/28

All: -132.191+/-267.429 χ^2/NDF: 59.2/58

- sign 86.450+/-383.060 χ^2/NDF: 19.6/29

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1469.490+/-0.323 χ^2/NDF:31740.5/12

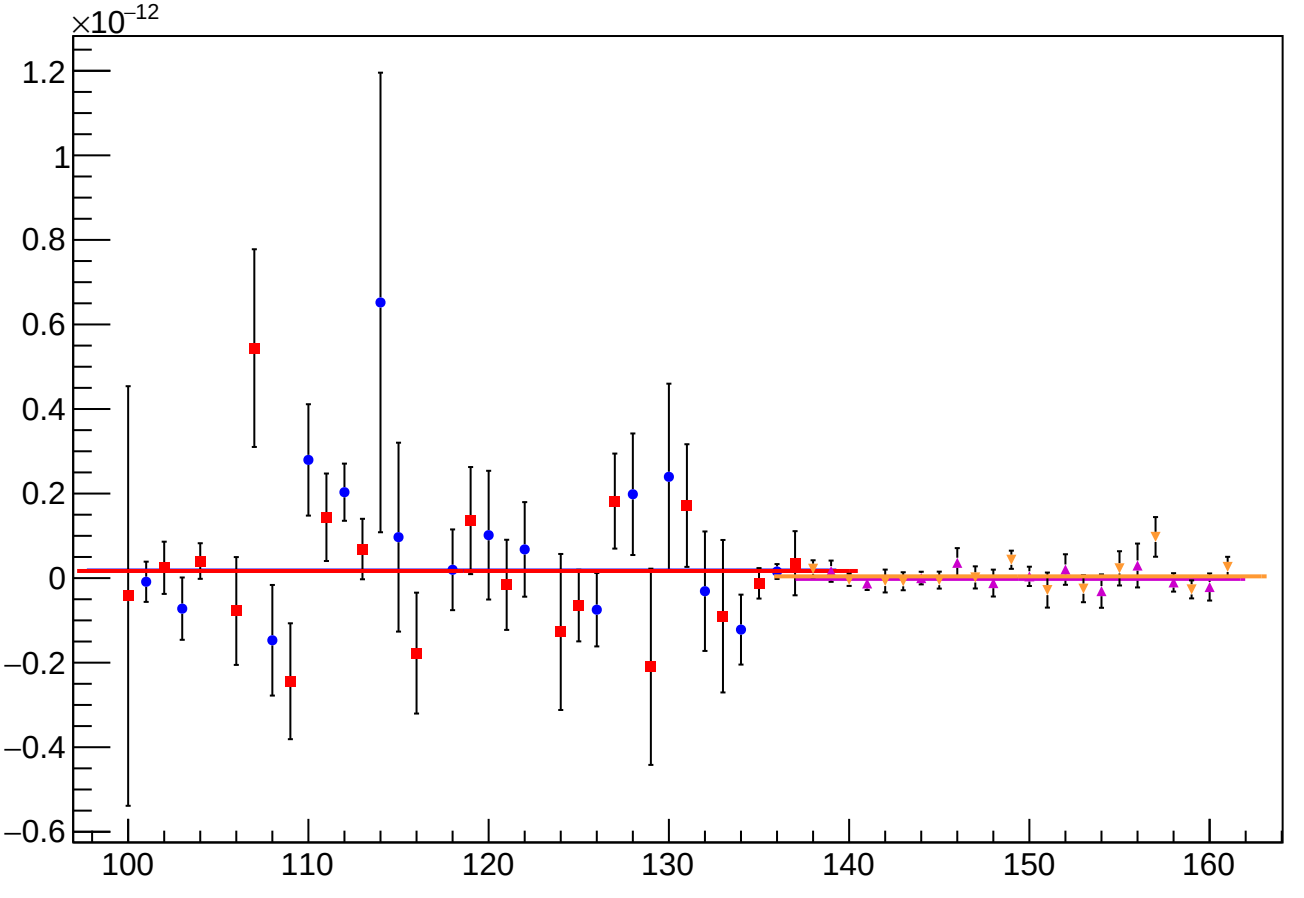
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1475.061+/-0.338 χ^2/NDF:17961.7/10

+ sign 1545.566+/-0.264 χ^2/NDF: 961523.0/28

All: 1553.549+/-0.189 χ^2/NDF: 1401221.6/58

- sign 1561.944+/-0.271 χ^2/NDF: 437824.5/29



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/12

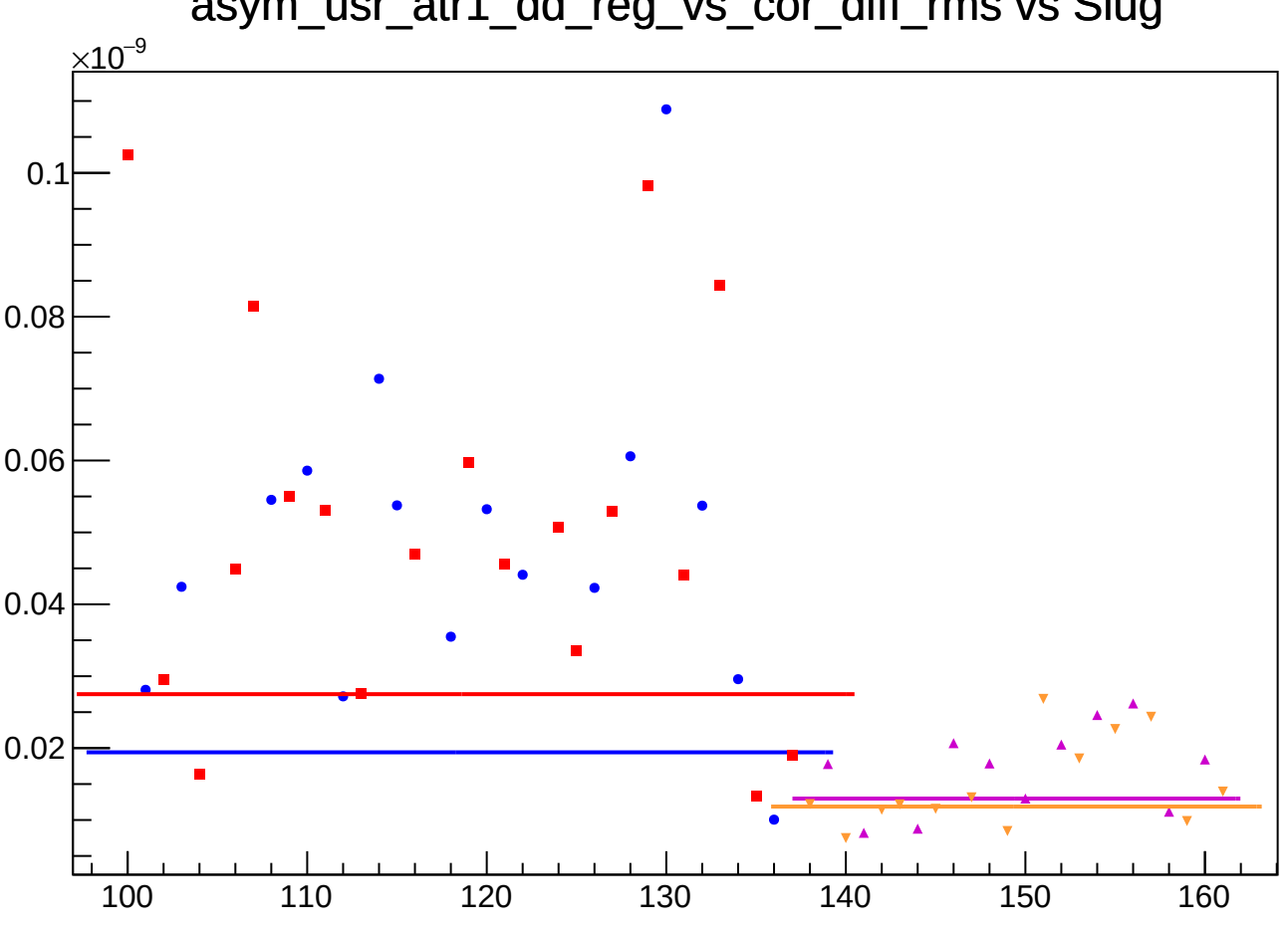
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 38.0/28

All: 0.000+/-0.000 χ^2/NDF: 64.8/58

- sign 0.000+/-0.000 χ^2/NDF: 26.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:908731.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

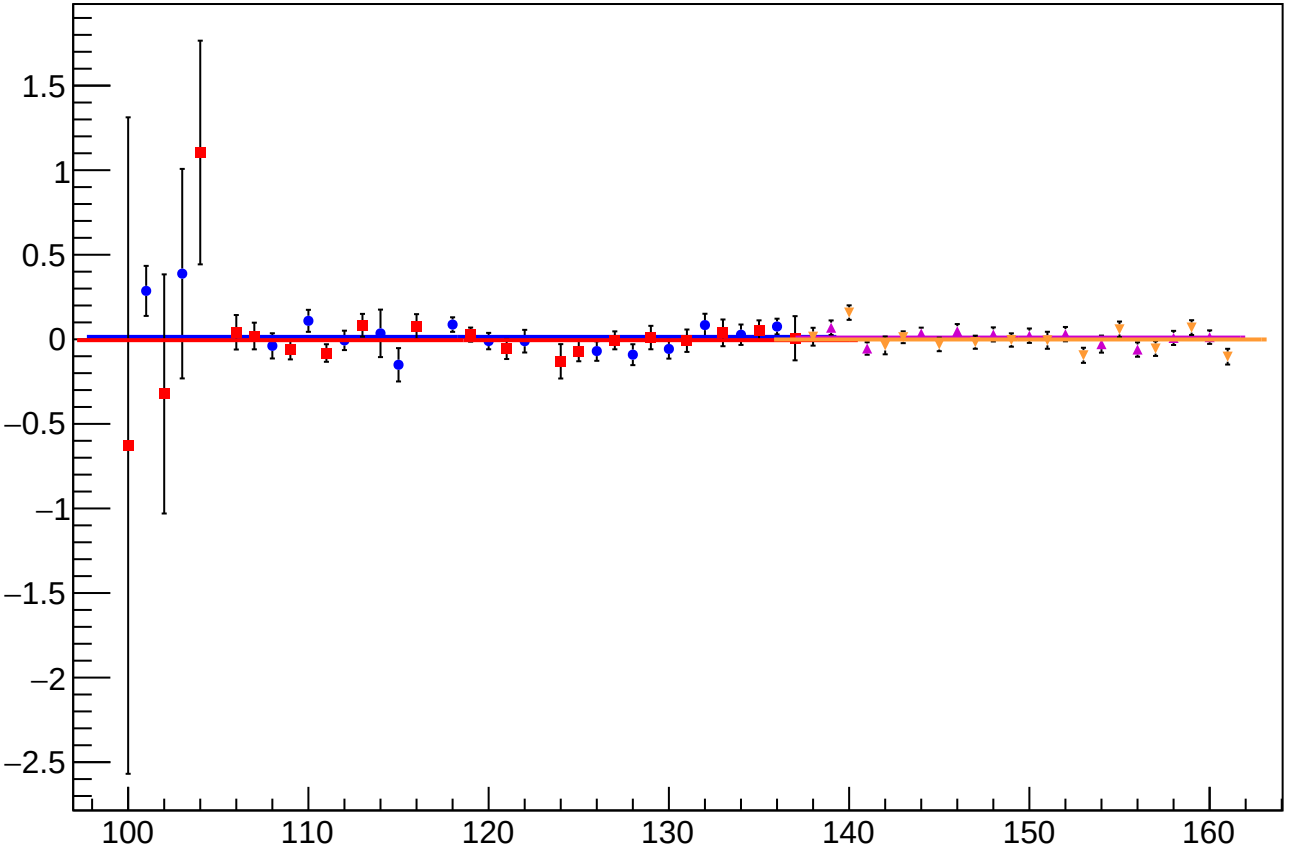
Left In: 0.000+/-0.000 χ^2/NDF:1024823.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 3640660.3/28

All: 0.000+/-0.000 χ^2/NDF: 7392733.5/58

- sign 0.000+/-0.000 χ^2/NDF: 3683534.2/29

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: -0.001+/-0.012 χ^2/NDF:30.0/12

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

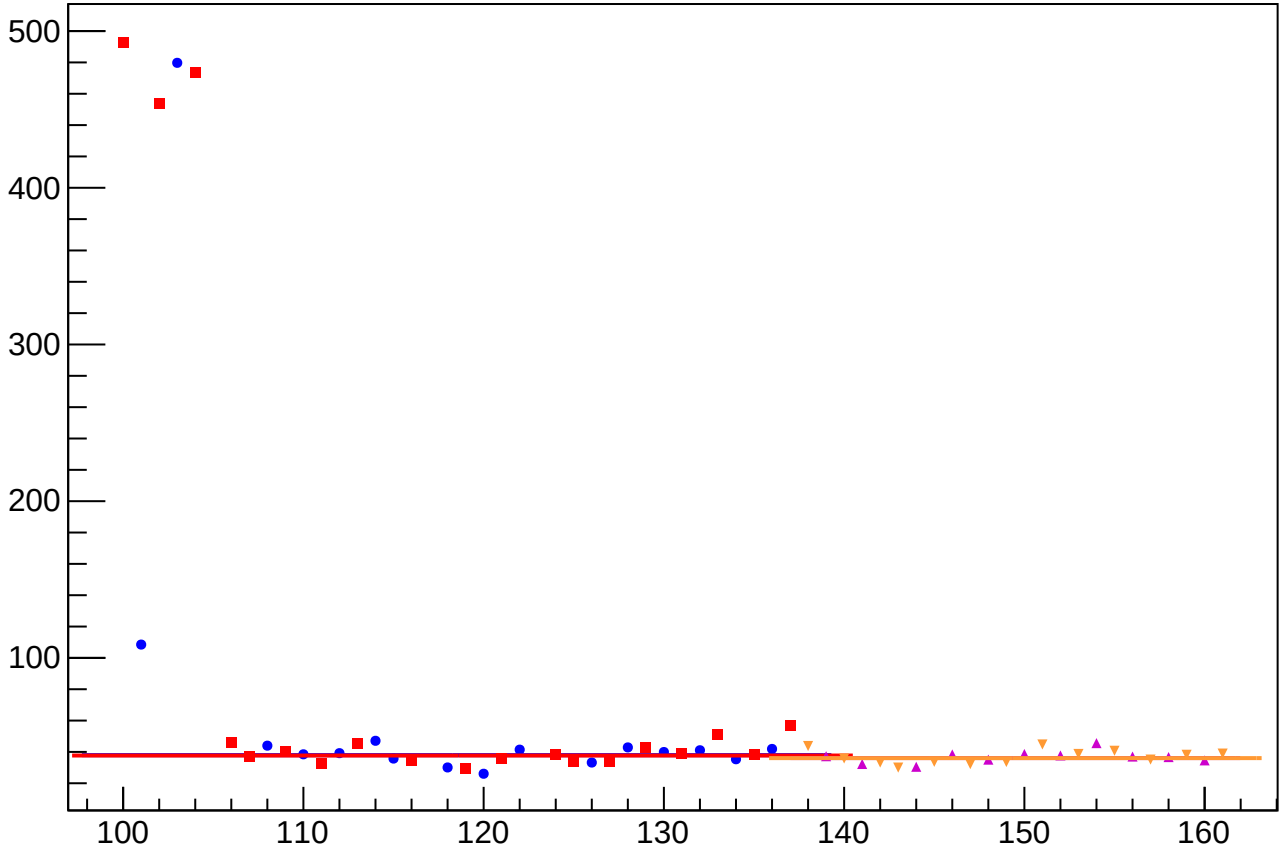
Left In: 0.010+/-0.012 χ^2/NDF:10.0/10

+ sign 0.005+/-0.010 χ^2/NDF: 52.6/28

All: 0.005+/-0.007 χ^2/NDF: 78.0/58

- sign 0.005+/-0.010 χ^2/NDF: 25.4/29

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: 36.041+/-0.009 χ^2/NDF:243879.7/12

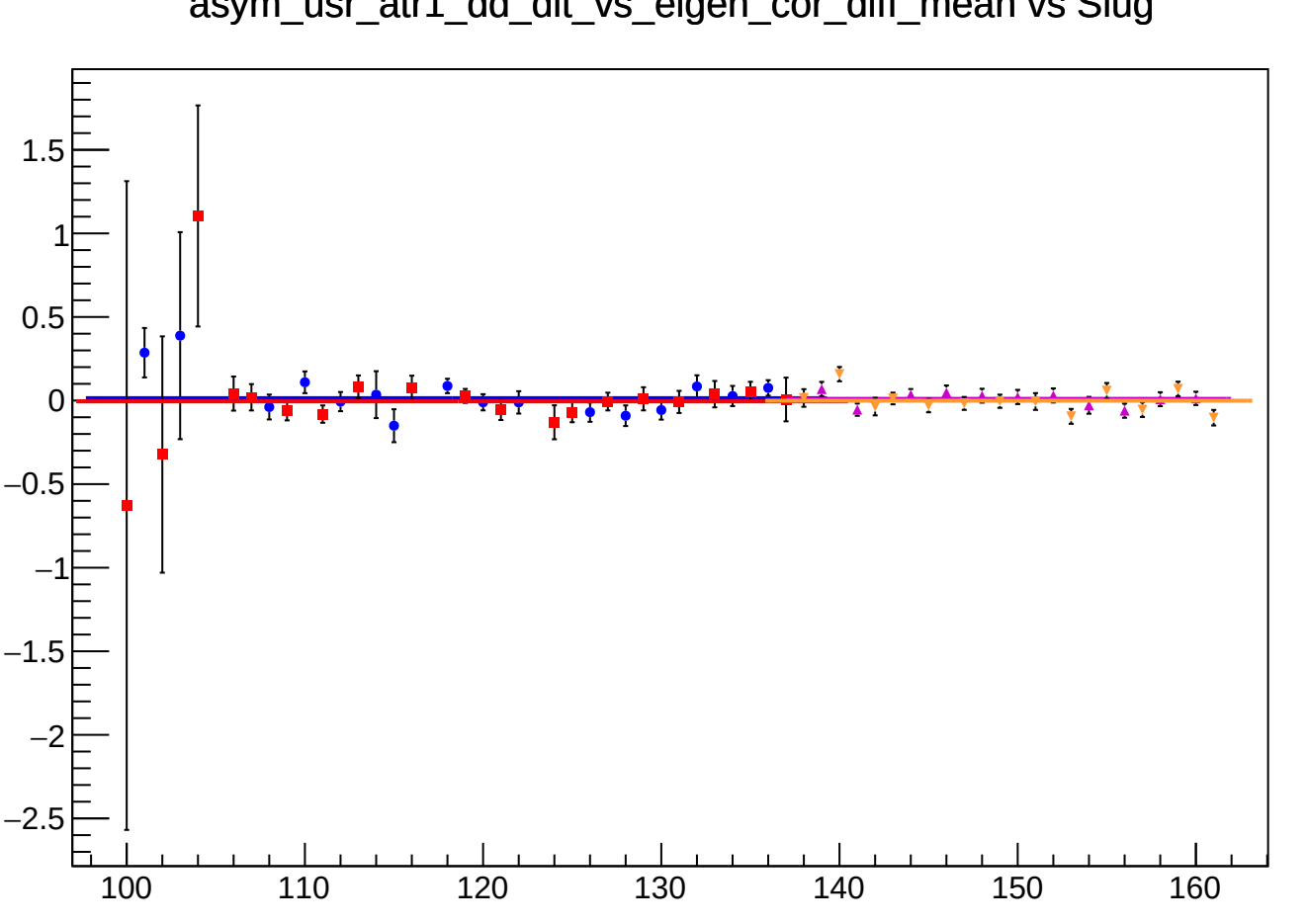
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.083+/-0.009 χ^2/NDF:167225.3/10

+ sign 36.734+/-0.007 χ^2/NDF: 2001661.7/28

All: 36.711+/-0.005 χ^2/NDF: 4126426.0/58

- sign 36.687+/-0.007 χ^2/NDF: 2124741.4/29



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: -0.001+/-0.012 χ^2/NDF:30.0/12

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

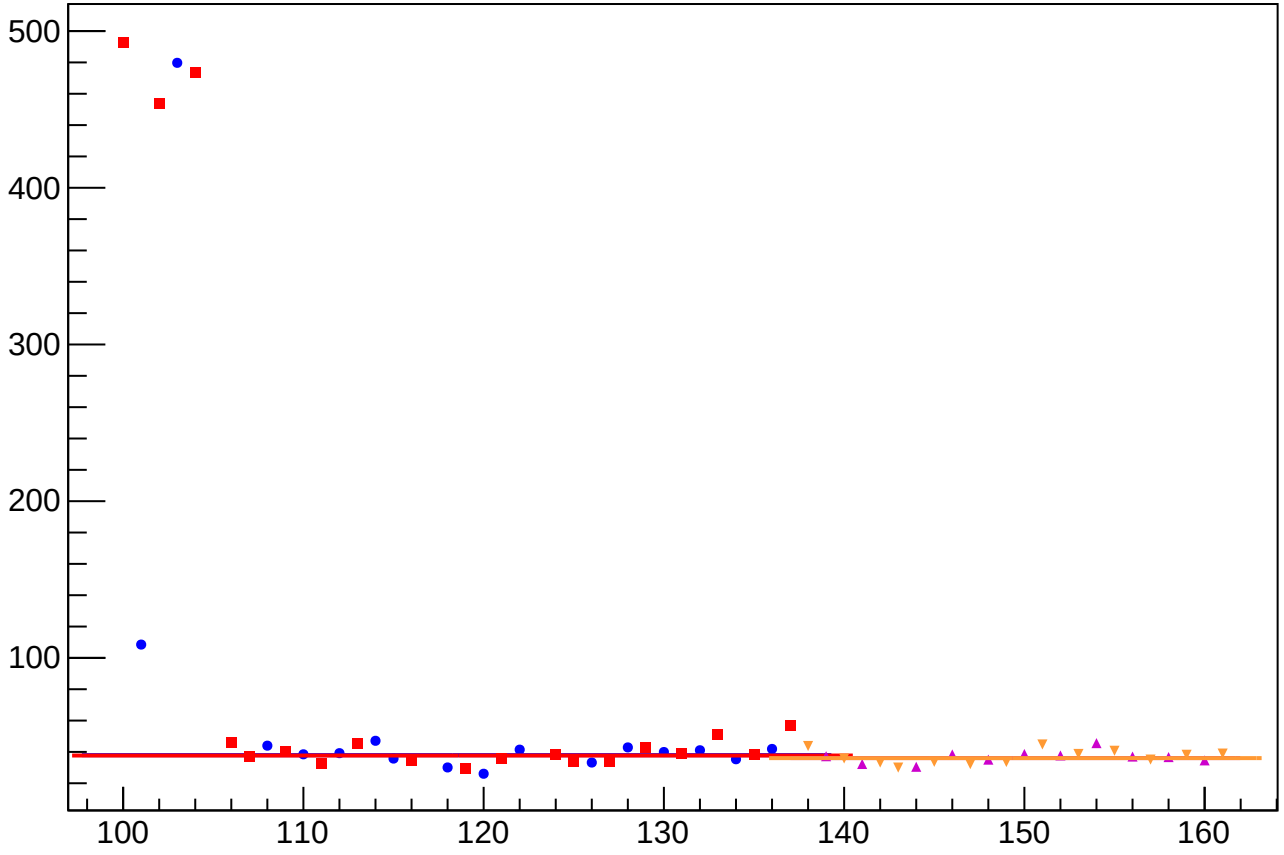
Left In: 0.010+/-0.012 χ^2/NDF:10.0/10

+ sign 0.005+/-0.010 χ^2/NDF: 52.6/28

All: 0.005+/-0.007 χ^2/NDF: 78.0/58

- sign 0.005+/-0.010 χ^2/NDF: 25.4/29

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.041+/-0.009 χ^2/NDF:243879.7/12

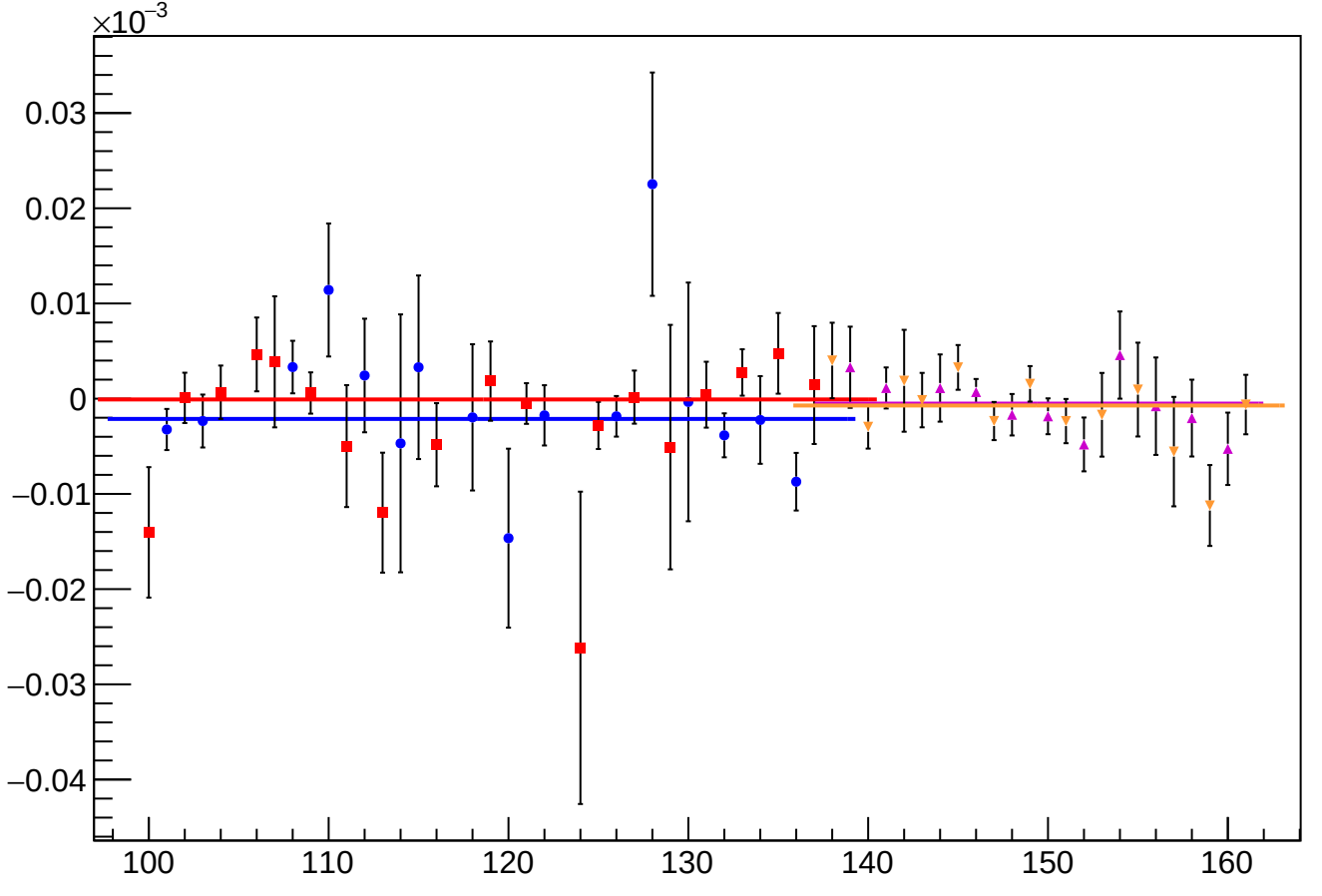
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.083+/-0.009 χ^2/NDF:167225.3/10

+ sign 36.734+/-0.007 χ^2/NDF: 2001661.7/28

All: 36.711+/-0.005 χ^2/NDF: 4126426.0/58

- sign 36.687+/-0.007 χ^2/NDF: 2124741.4/29



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/12

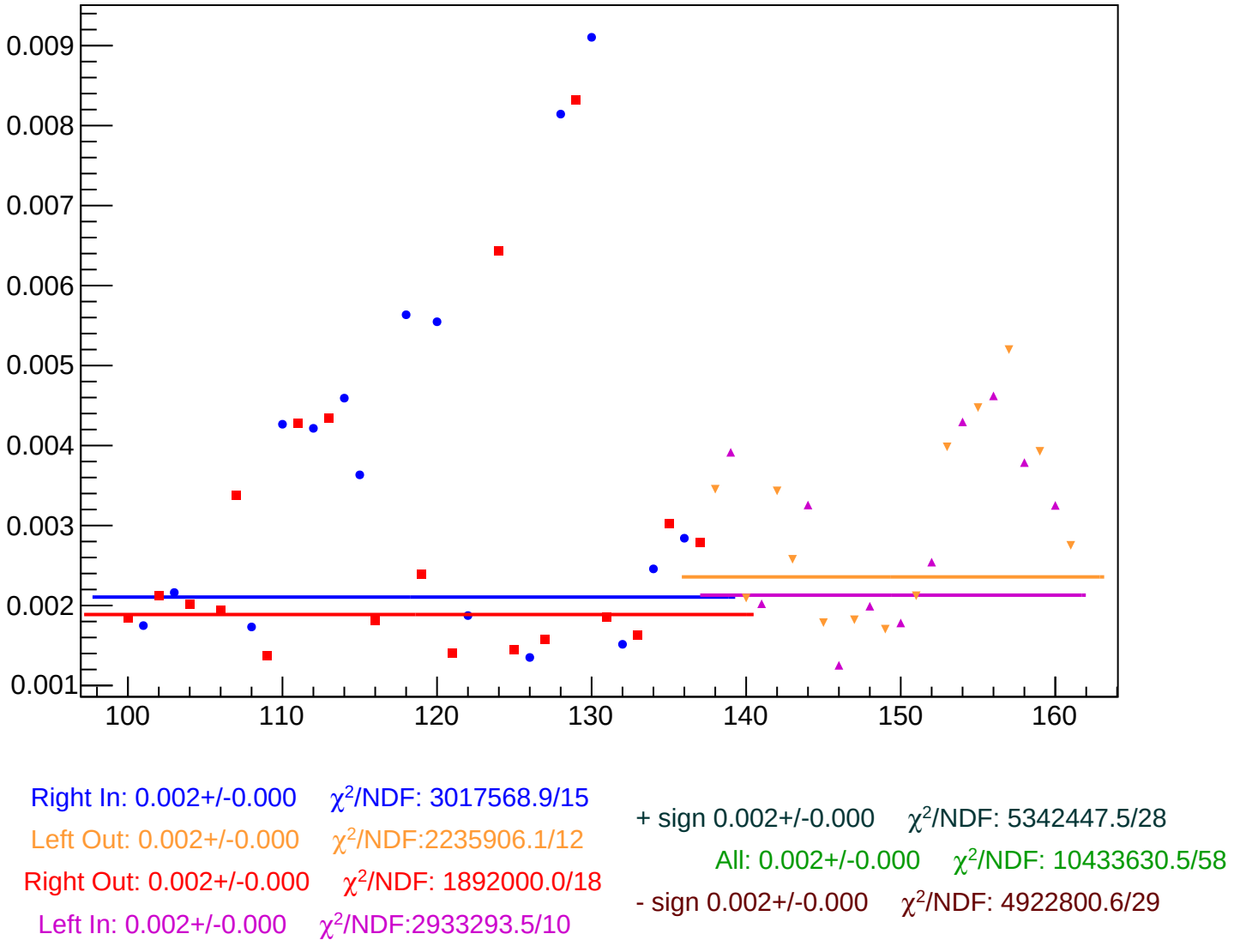
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

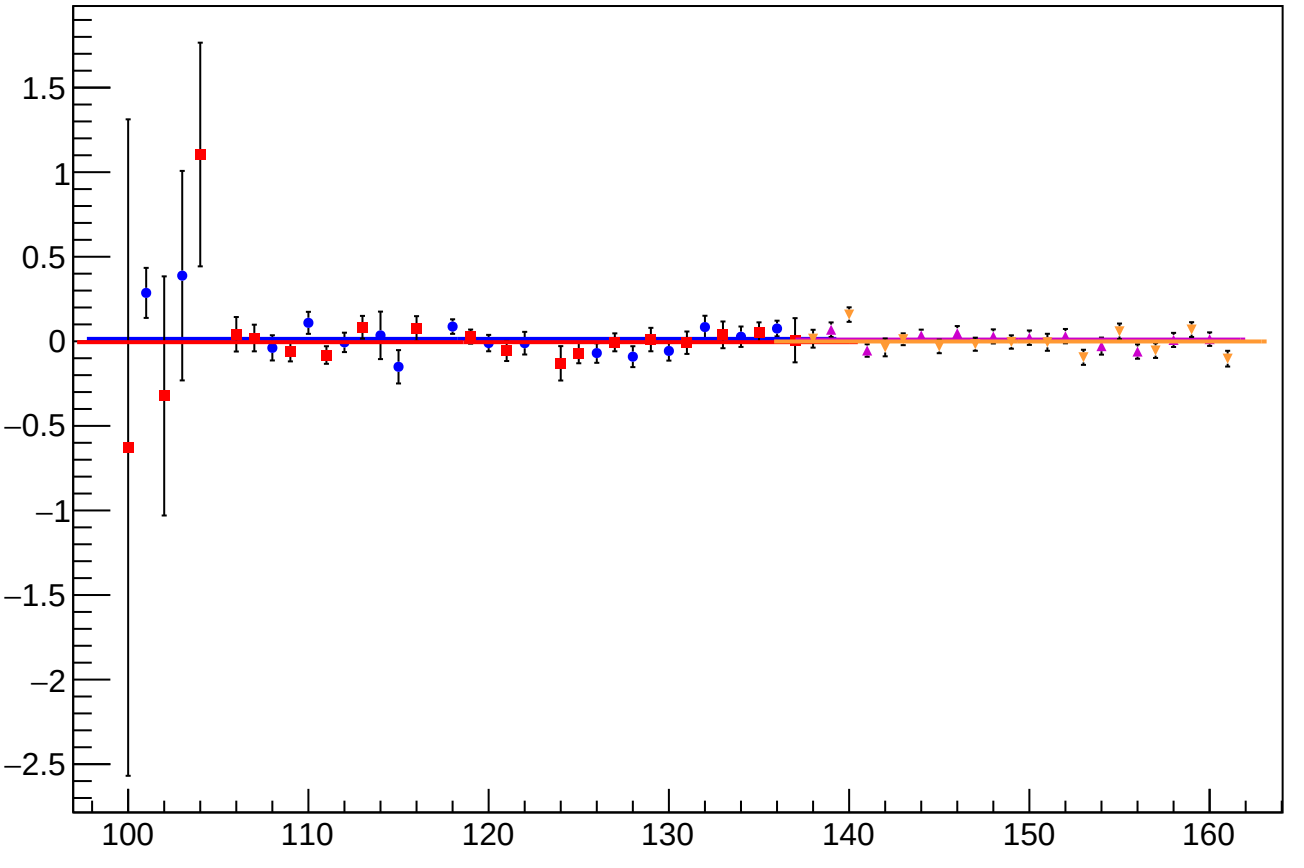
Left In: -0.000+/-0.000 χ^2/NDF:8.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 37.0/28

All: -0.000+/-0.000 χ^2/NDF: 65.6/58

- sign -0.000+/-0.000 χ^2/NDF: 27.0/29


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
Right In: 0.002+/-0.000 χ²/NDF: 3017568.9/15
Left Out: 0.002+/-0.000 χ²/NDF:2235906.1/12
Right Out: 0.002+/-0.000 χ²/NDF: 1892000.0/18
Left In: 0.002+/-0.000 χ²/NDF:2933293.5/10
+ sign 0.002+/-0.000 χ²/NDF: 5342447.5/28
All: 0.002+/-0.000 χ²/NDF: 10433630.5/58
- sign 0.002+/-0.000 χ²/NDF: 4922800.6/29



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: -0.001+/-0.012 χ^2/NDF:30.0/12

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

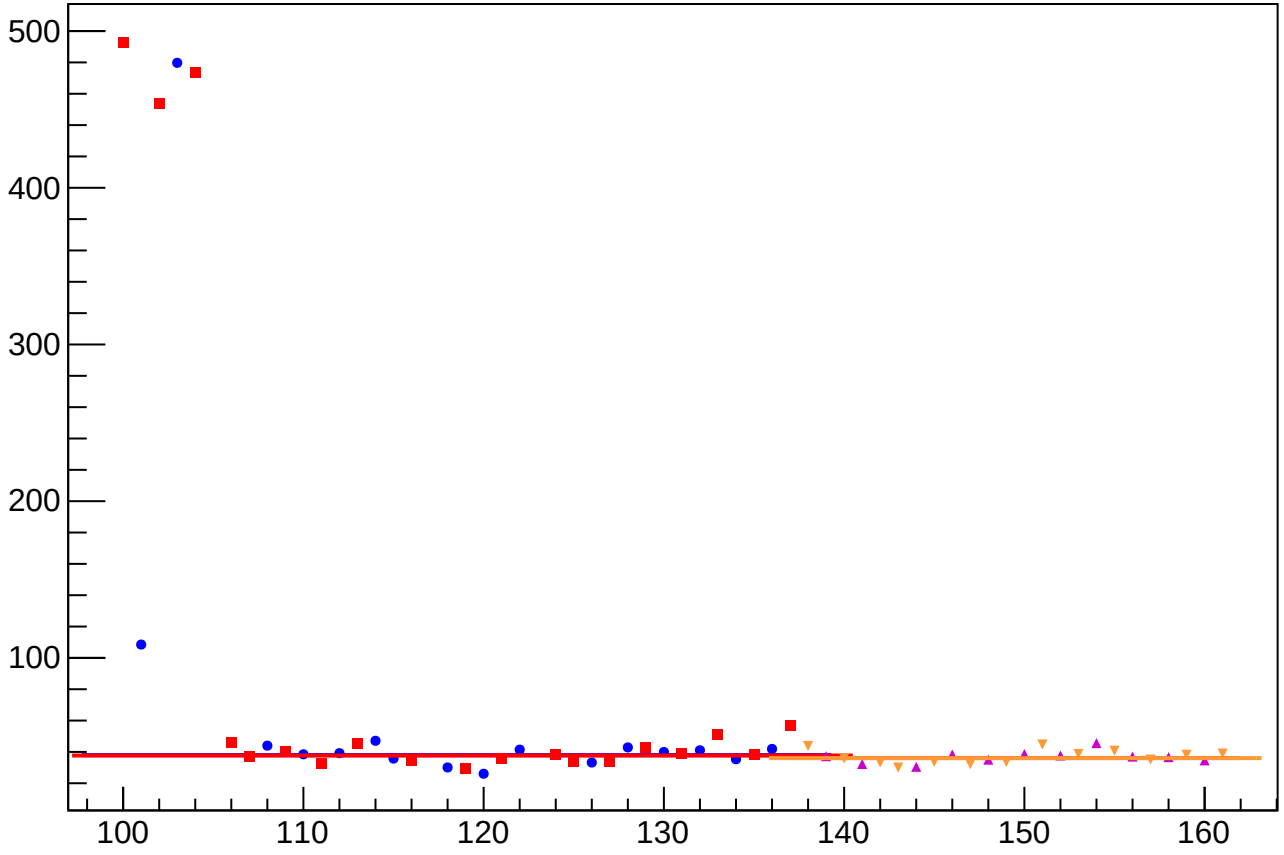
Left In: 0.010+/-0.012 χ^2/NDF:10.0/10

+ sign 0.005+/-0.010 χ^2/NDF: 52.6/28

All: 0.005+/-0.007 χ^2/NDF: 78.0/58

- sign 0.005+/-0.010 χ^2/NDF: 25.4/29

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: 36.041+/-0.009 χ^2/NDF:243933.2/12

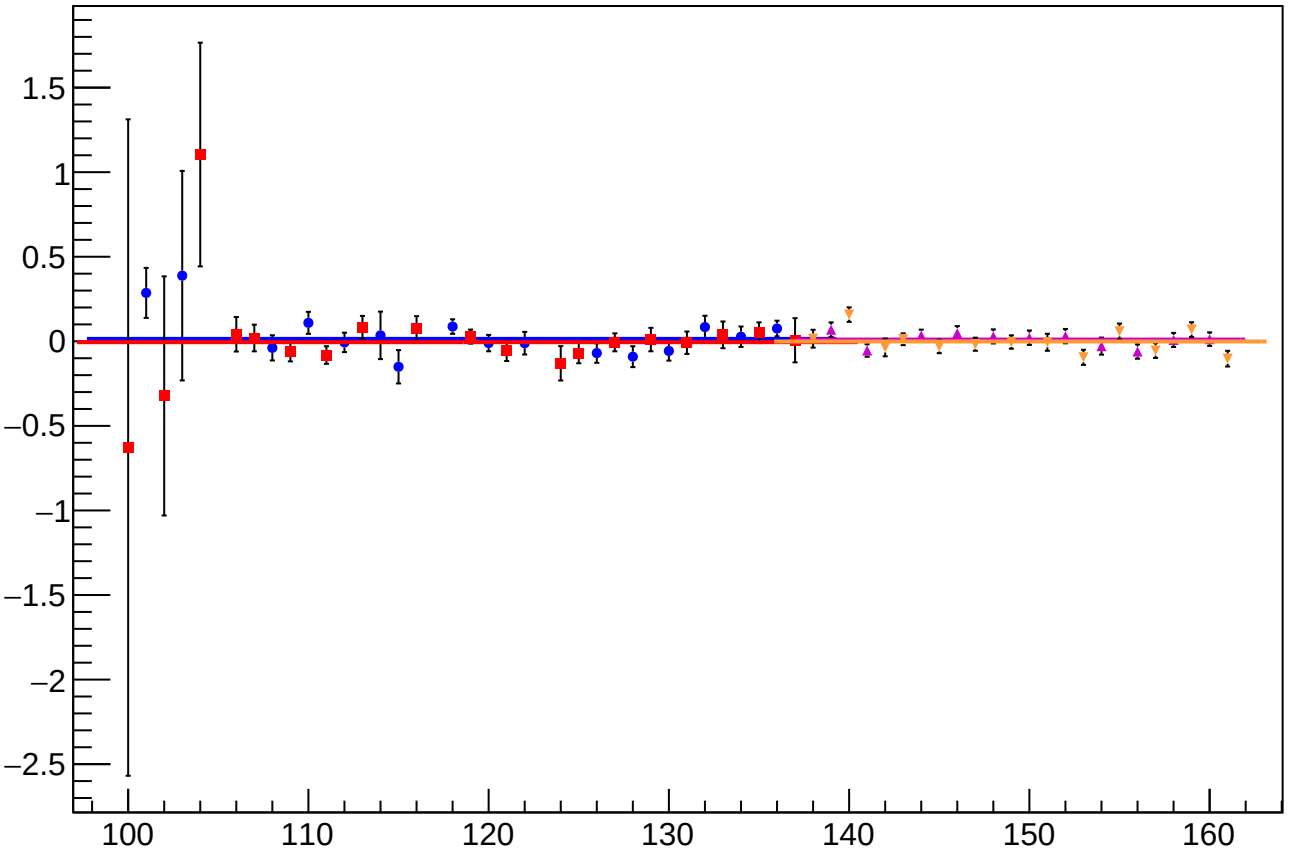
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.082+/-0.009 χ^2/NDF:167268.8/10

+ sign 36.733+/-0.007 χ^2/NDF: 2001718.6/28

All: 36.710+/-0.005 χ^2/NDF: 4126590.8/58

- sign 36.686+/-0.007 χ^2/NDF: 2124848.9/29



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: -0.001+/-0.012 χ^2/NDF:30.0/12

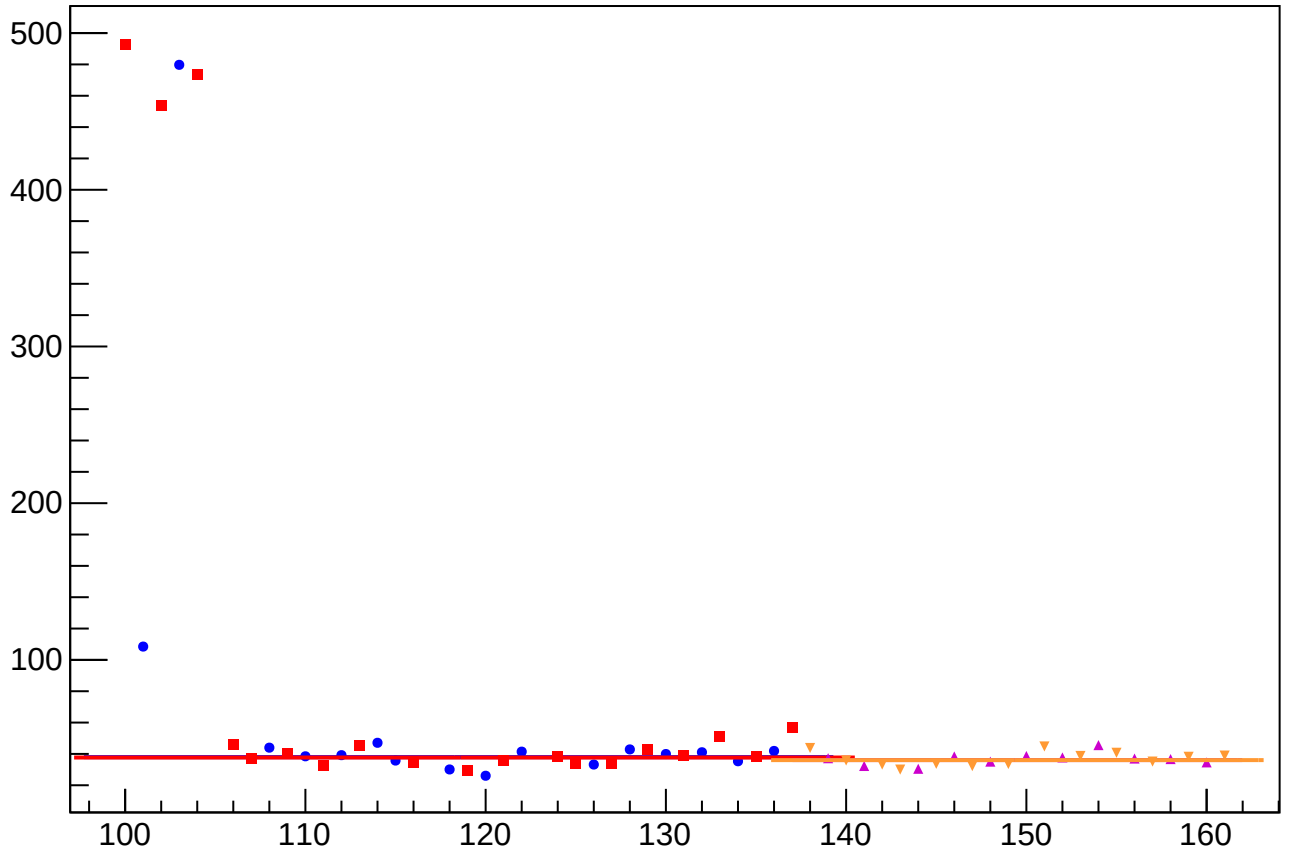
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.010+/-0.012 χ^2/NDF:10.0/10

+ sign 0.005+/-0.010 χ^2/NDF: 52.6/28

All: 0.005+/-0.007 χ^2/NDF: 78.0/58

- sign 0.005+/-0.010 χ^2/NDF: 25.4/29



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.041+/-0.009 χ^2/NDF:243933.2/12

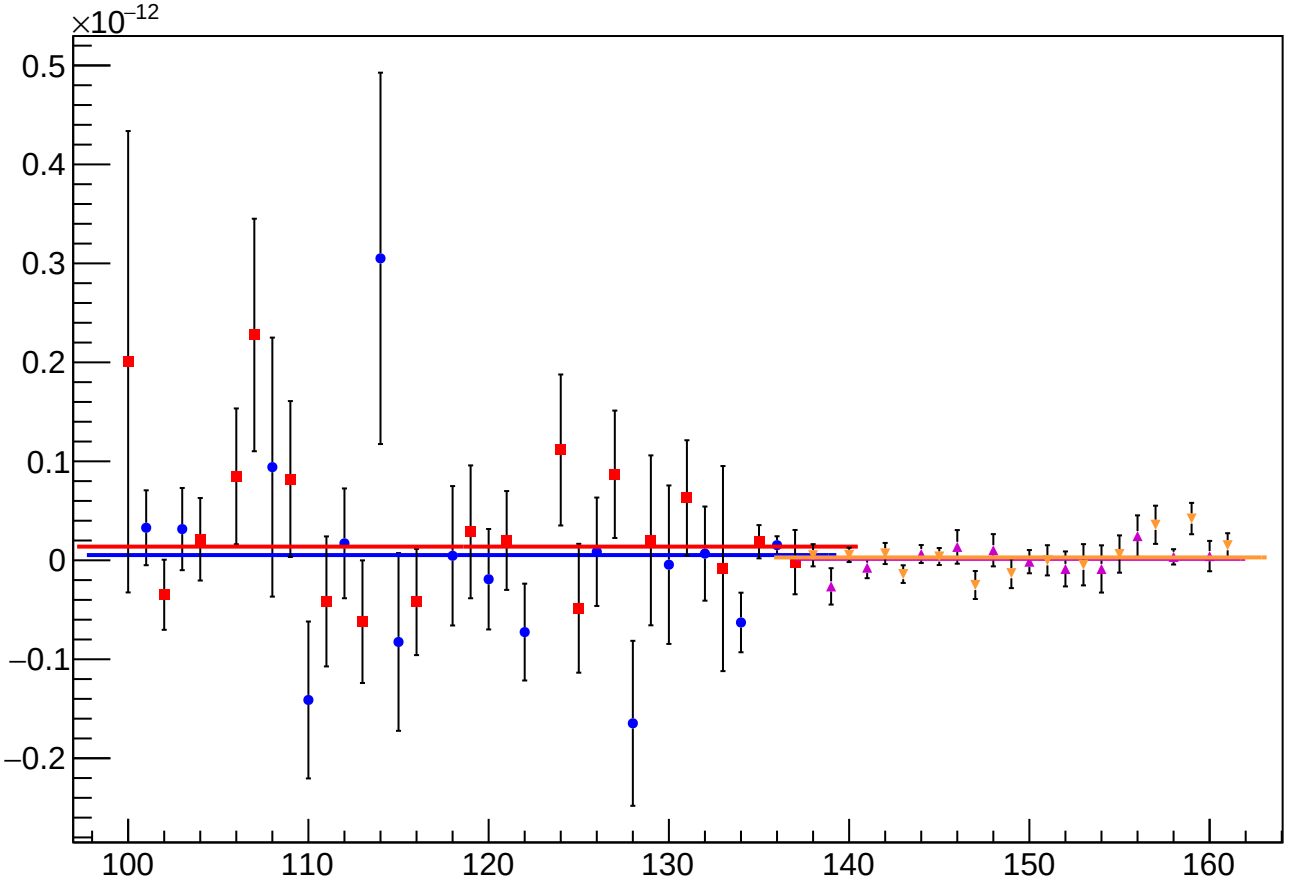
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.082+/-0.009 χ^2/NDF:167268.8/10

\+ sign 36.733+/-0.007 χ^2/NDF: 2001718.6/28

All: 36.710+/-0.005 χ^2/NDF: 4126590.8/58

\- sign 36.686+/-0.007 χ^2/NDF: 2124848.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/12

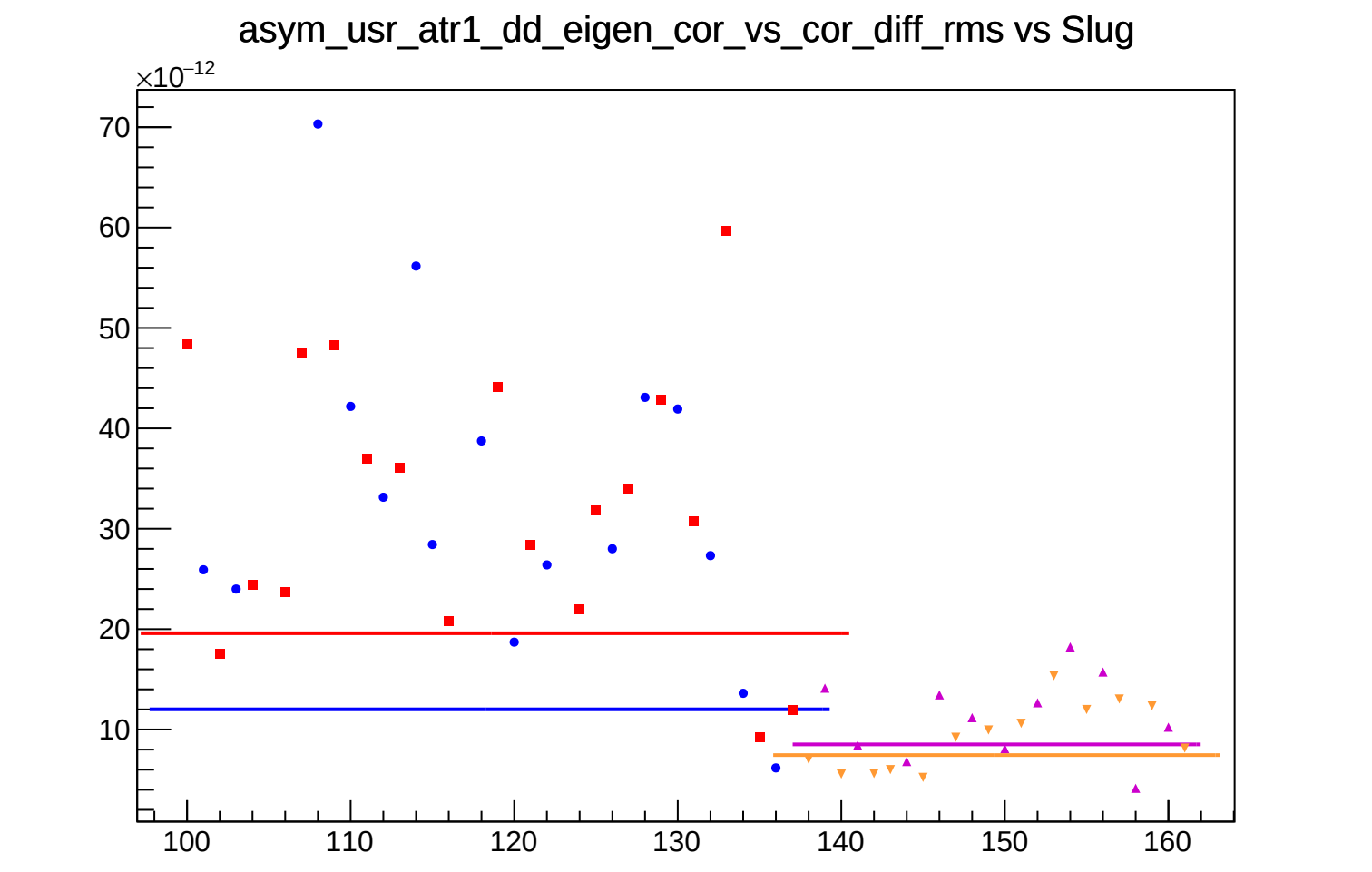
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/10

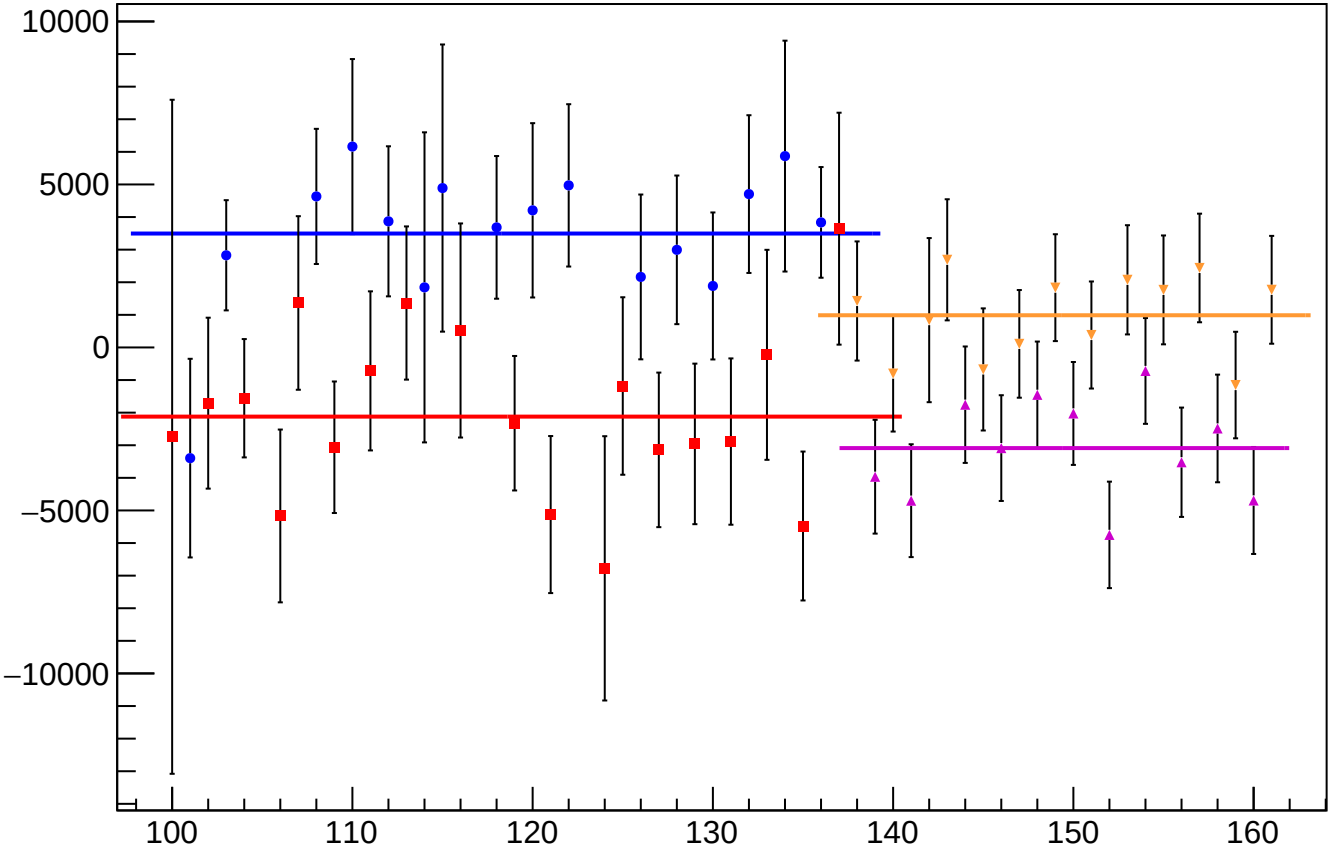
+ sign 0.000+/-0.000 χ^2/NDF: 40.9/28

All: 0.000+/-0.000 χ^2/NDF: 64.1/58

- sign 0.000+/-0.000 χ^2/NDF: 23.1/29


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1328009.9/12
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:1823303.5/10
+ sign 0.000+/-0.000 χ²/NDF: 5810370.6/28
All: 0.000+/-0.000 χ²/NDF: 12440983.1/58
- sign 0.000+/-0.000 χ²/NDF: 6381301.4/29

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 987.678+/-483.726 χ^2/NDF:6.7/12

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

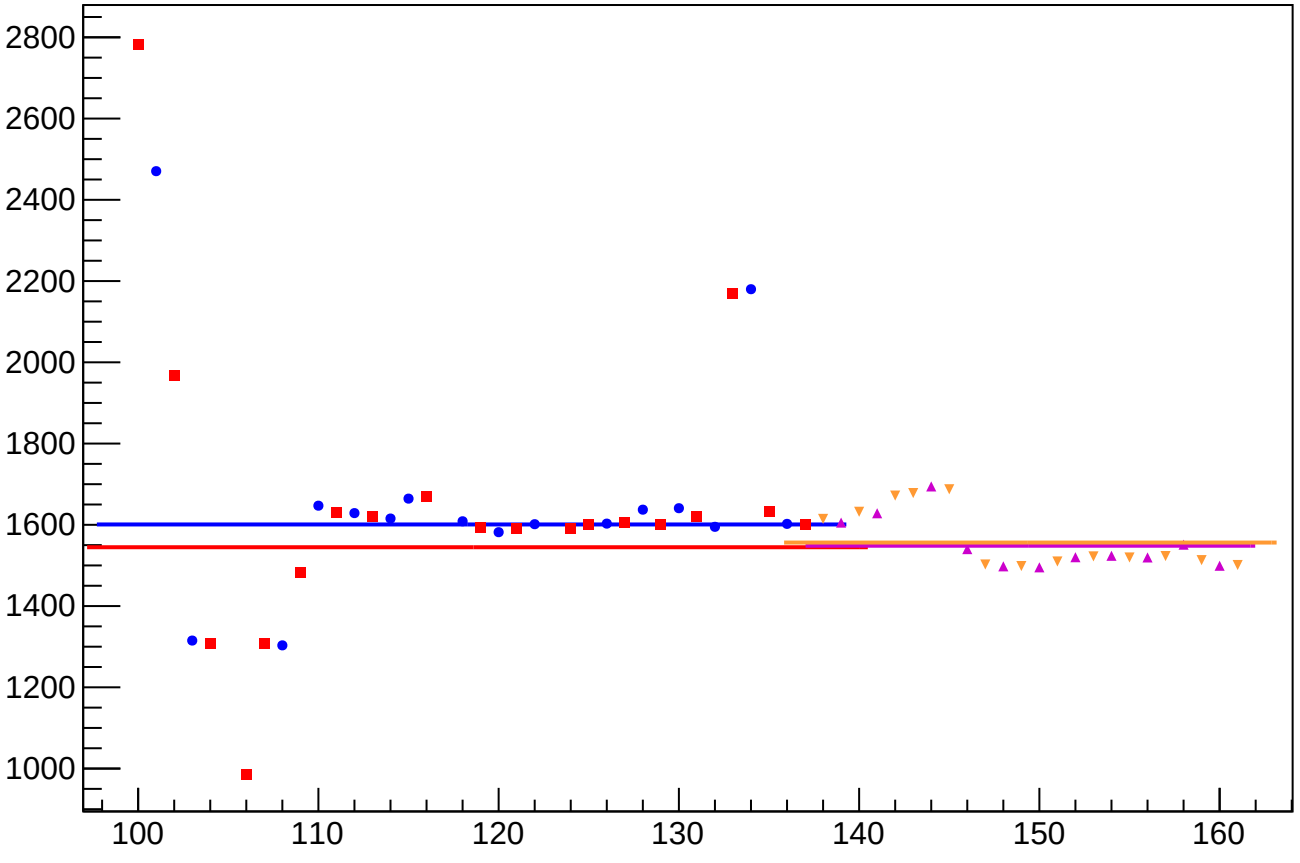
Left In: -3087.283+/-501.212 χ^2/NDF:9.1/10

+ sign 1972.782+/-376.875 χ^2/NDF: 26.1/28

All: -326.556+/-268.054 χ^2/NDF: 127.1/58

- sign -2680.644+/-381.336 χ^2/NDF: 25.7/29

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1556.343+/-0.342 χ^2/NDF:40755.9/12

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

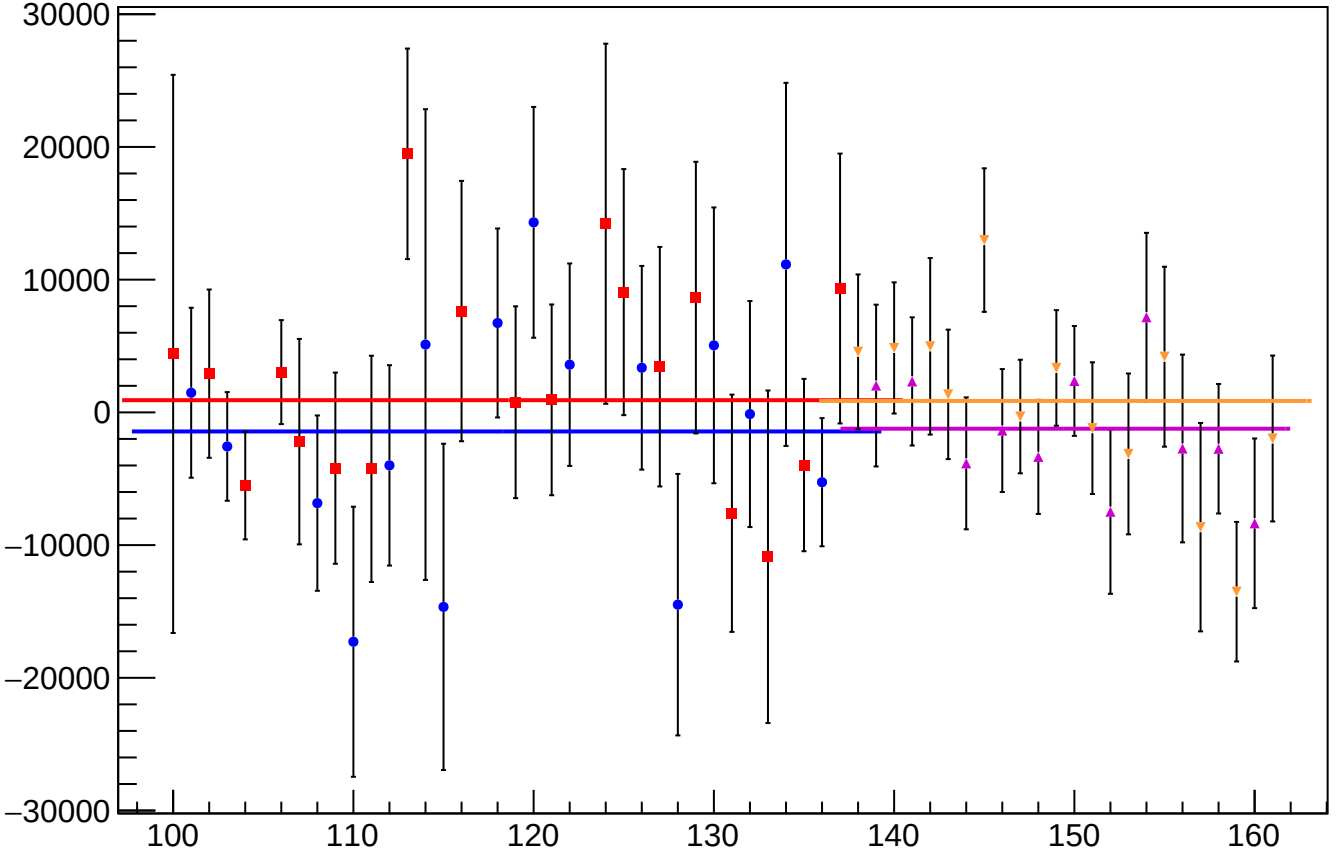
Left In: 1548.541+/-0.354 χ^2/NDF:27468.1/10

+ sign 1573.845+/-0.266 χ^2/NDF: 364832.6/28

All: 1560.454+/-0.189 χ^2/NDF: 773549.3/58

- sign 1546.938+/-0.268 χ^2/NDF: 403643.1/29

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 864.840+/-1500.476 χ^2/NDF:16.9/12

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

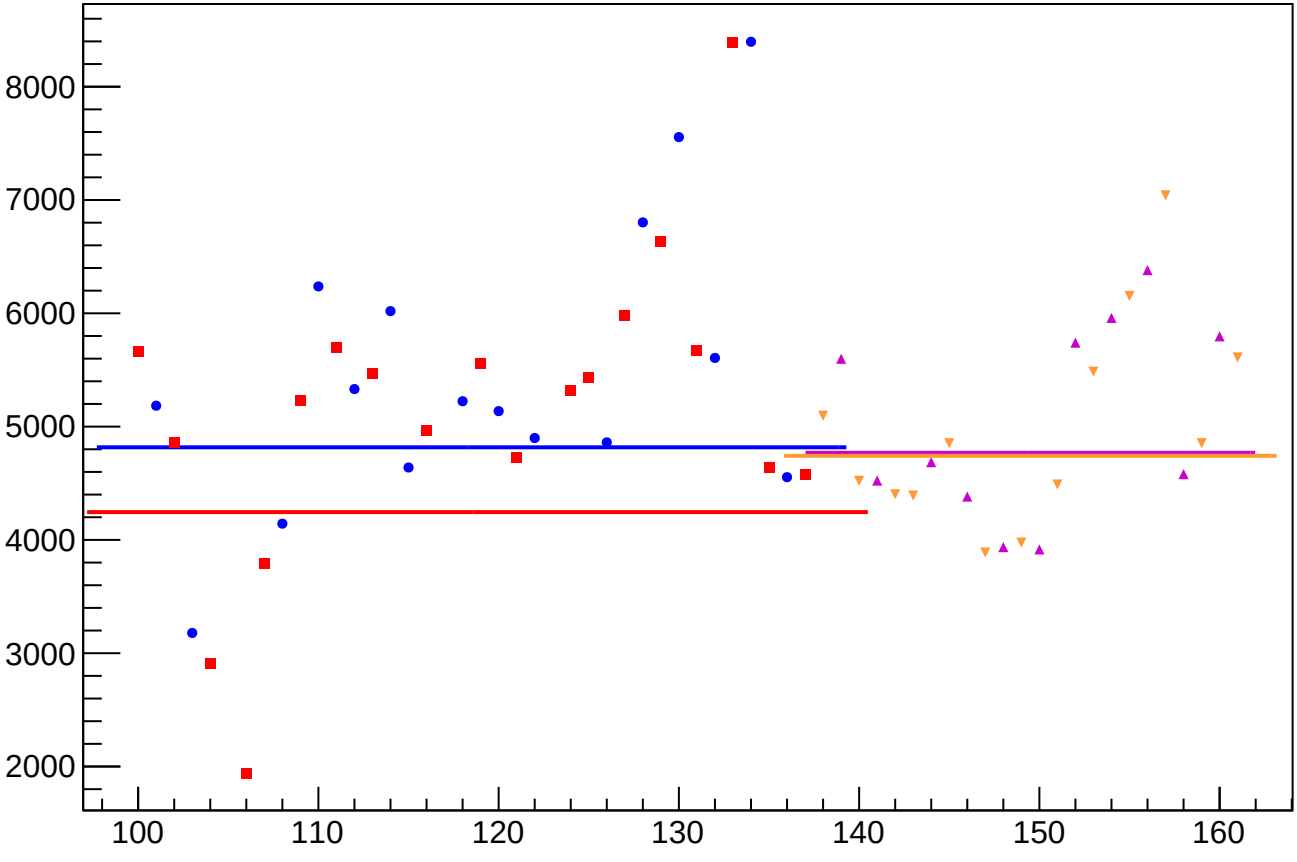
Left In: -1230.187+/-1567.974 χ^2/NDF:6.3/10

+ sign -49.604+/-1164.928 χ^2/NDF: 31.7/28

All: -137.972+/-815.815 χ^2/NDF: 54.1/58

- sign -223.024+/-1142.861 χ^2/NDF: 22.5/29

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4742.057+/-1.061 χ^2/NDF:502142.3/12

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

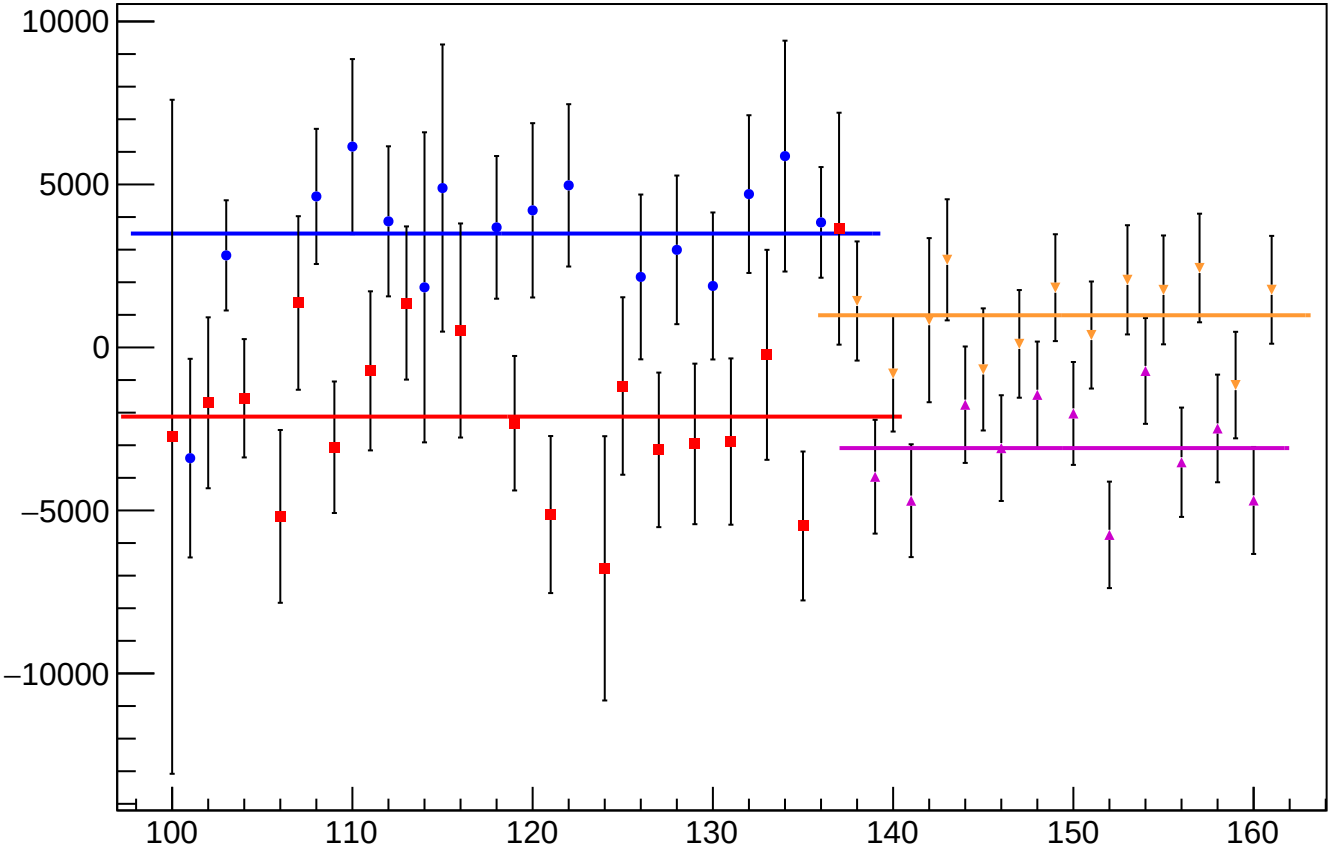
Left In: 4768.980+/-1.109 χ^2/NDF:494862.0/10

+ sign 4771.964+/-0.824 χ^2/NDF: 1299573.6/28

All: 4645.418+/-0.577 χ^2/NDF: 3628389.5/58

- sign 4523.621+/-0.808 χ^2/NDF: 2282499.7/29

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 987.509+/-483.726 χ^2/NDF:6.7/12

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

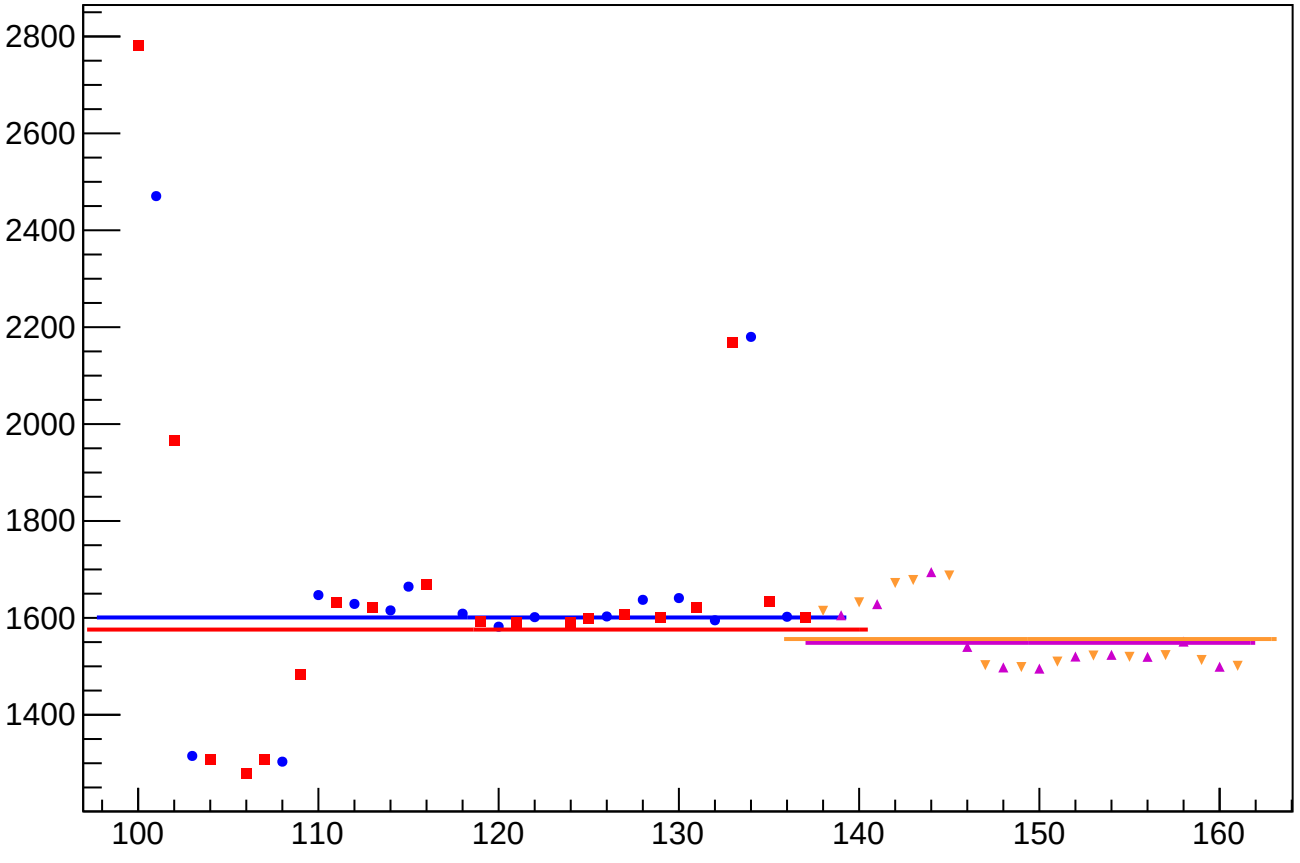
Left In: -3087.318+/-501.212 χ^2/NDF:9.1/10

+ sign 1972.548+/-376.875 χ^2/NDF: 26.1/28

All: -326.679+/-268.055 χ^2/NDF: 127.1/58

- sign -2680.662+/-381.337 χ^2/NDF: 25.7/29

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1556.343+/-0.342 χ^2/NDF:40755.9/12

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

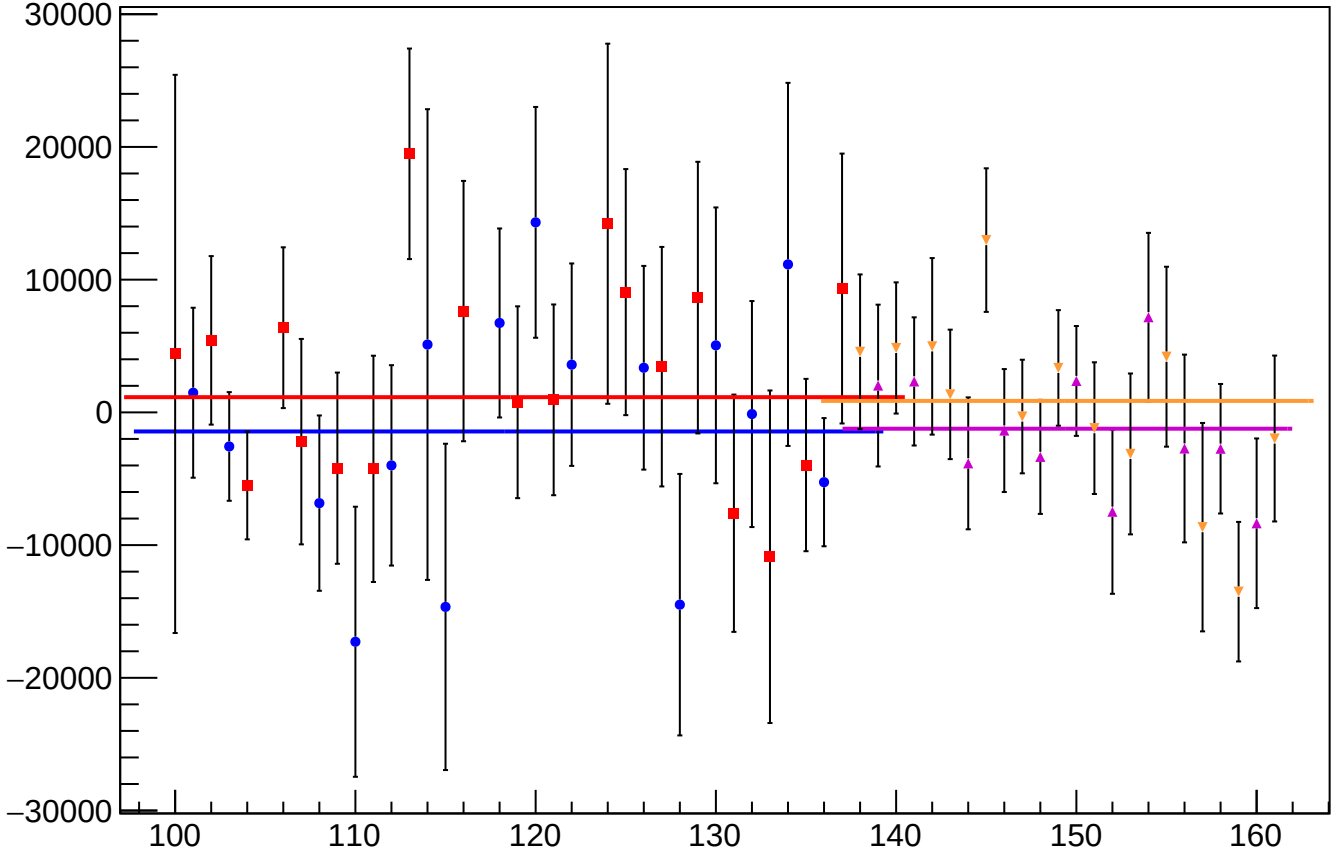
Left In: 1548.541+/-0.354 χ^2/NDF:27468.1/10

+ sign 1573.845+/-0.266 χ^2/NDF: 364831.8/28

All: 1567.050+/-0.189 χ^2/NDF: 639466.9/58

- sign 1560.115+/-0.269 χ^2/NDF: 273321.3/29

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 864.782+/-1500.473 χ^2/NDF:16.9/12

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

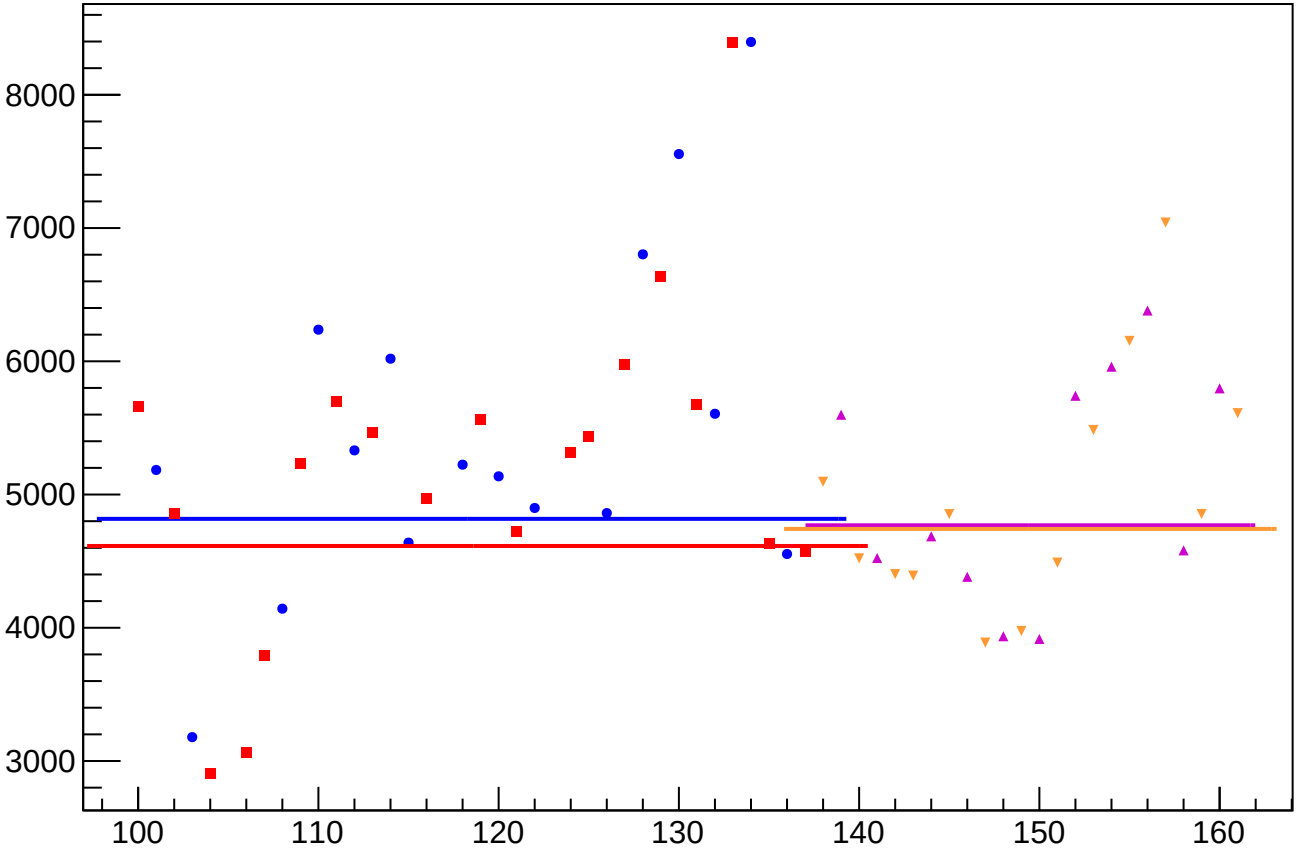
Left In: -1230.299+/-1567.974 χ^2/NDF:6.3/10

+ sign -49.711+/-1164.936 χ^2/NDF: 31.7/28

All: -115.592+/-826.337 χ^2/NDF: 55.2/58

- sign -182.311+/-1172.332 χ^2/NDF: 23.5/29

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4742.047+/-1.061 χ^2/NDF:502150.6/12

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

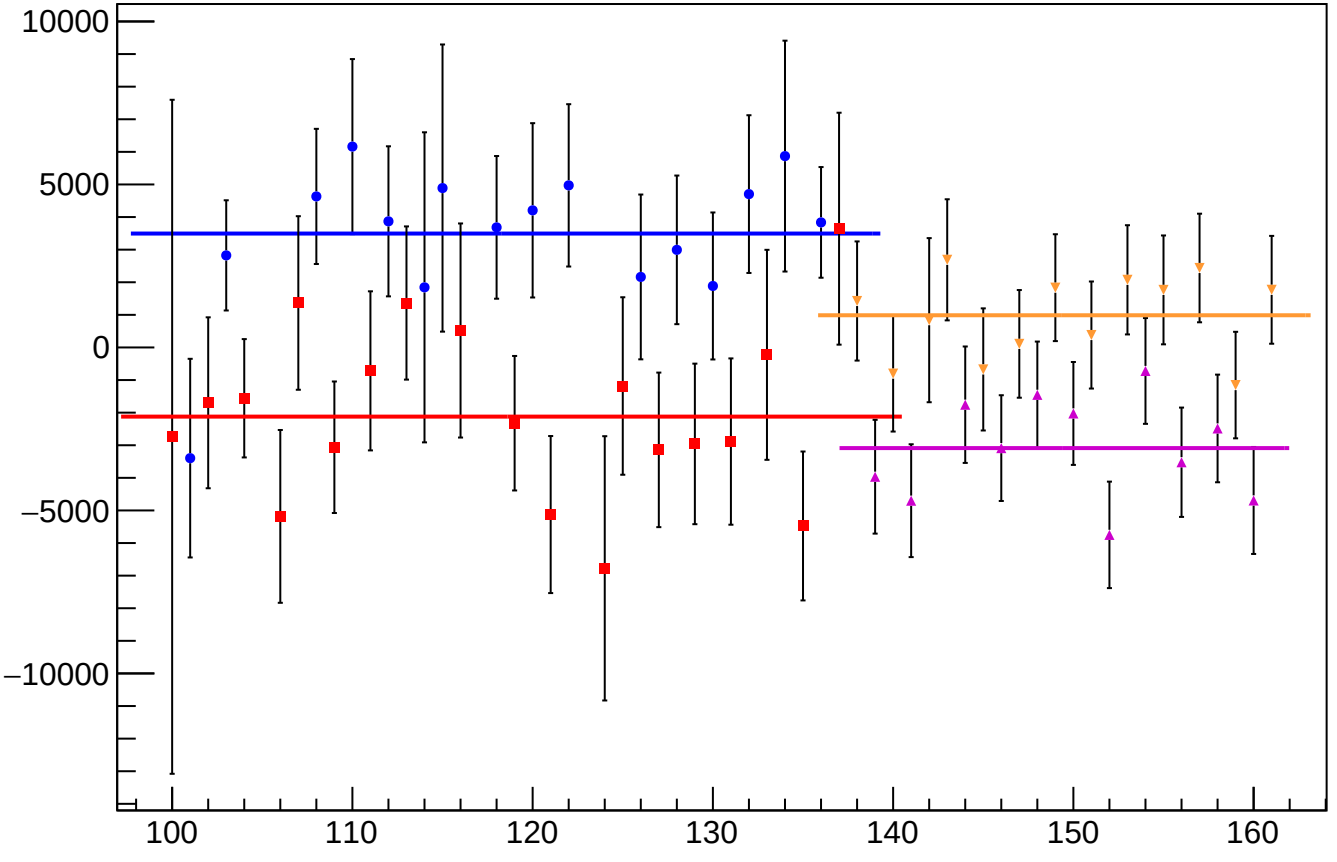
Left In: 4768.980+/-1.109 χ^2/NDF:494863.3/10

+ sign 4772.012+/-0.824 χ^2/NDF: 1299391.8/28

All: 4736.517+/-0.584 χ^2/NDF: 2784583.4/58

- sign 4700.570+/-0.829 χ^2/NDF: 1481454.5/29

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 987.509+/-483.726 χ^2/NDF:6.7/12

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

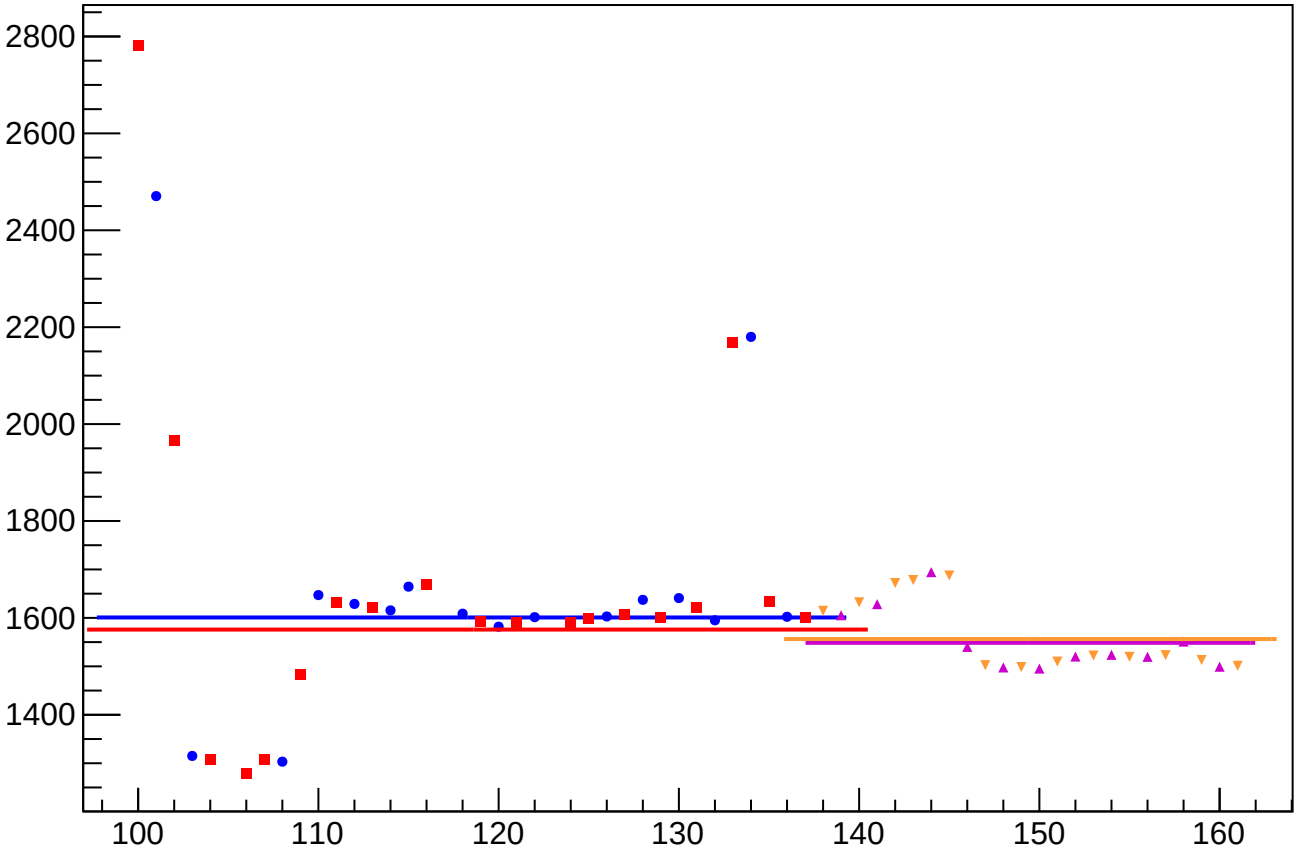
Left In: -3087.318+/-501.212 χ^2/NDF:9.1/10

+ sign 1972.548+/-376.875 χ^2/NDF: 26.1/28

All: -326.679+/-268.055 χ^2/NDF: 127.1/58

- sign -2680.662+/-381.337 χ^2/NDF: 25.7/29

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1556.343+/-0.342 χ^2/NDF:40755.9/12

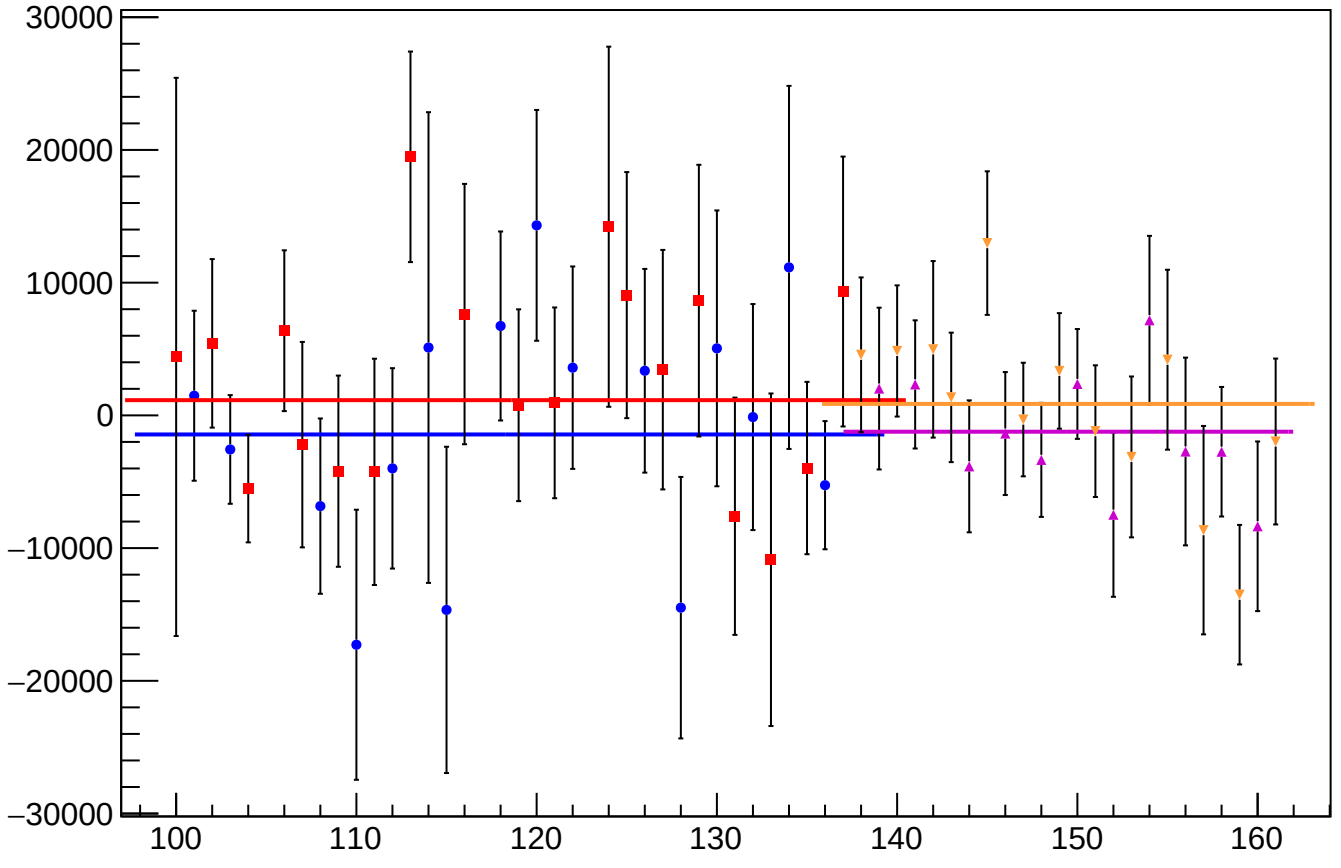
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1548.541+/-0.354 χ^2/NDF:27468.1/10

+ sign 1573.845+/-0.266 χ^2/NDF: 364831.8/28

All: 1567.050+/-0.189 χ^2/NDF: 639466.9/58

- sign 1560.115+/-0.269 χ^2/NDF: 273321.3/29



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 864.782+/-1500.473 χ^2/NDF:16.9/12

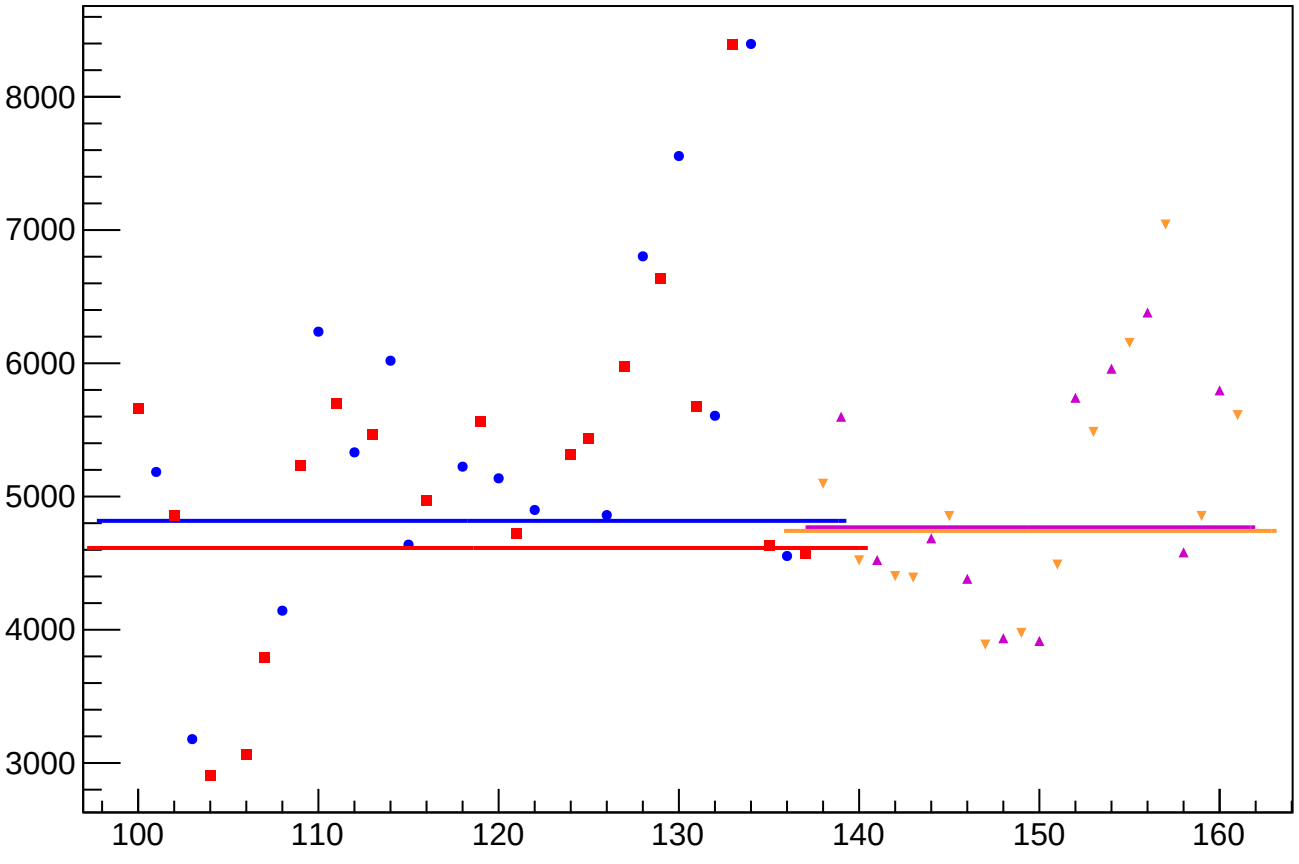
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -1230.299+/-1567.974 χ^2/NDF:6.3/10

+ sign -49.711+/-1164.936 χ^2/NDF: 31.7/28

All: -115.592+/-826.337 χ^2/NDF: 55.2/58

- sign -182.311+/-1172.332 χ^2/NDF: 23.5/29



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4742.047+/-1.061 χ^2/NDF:502150.6/12

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

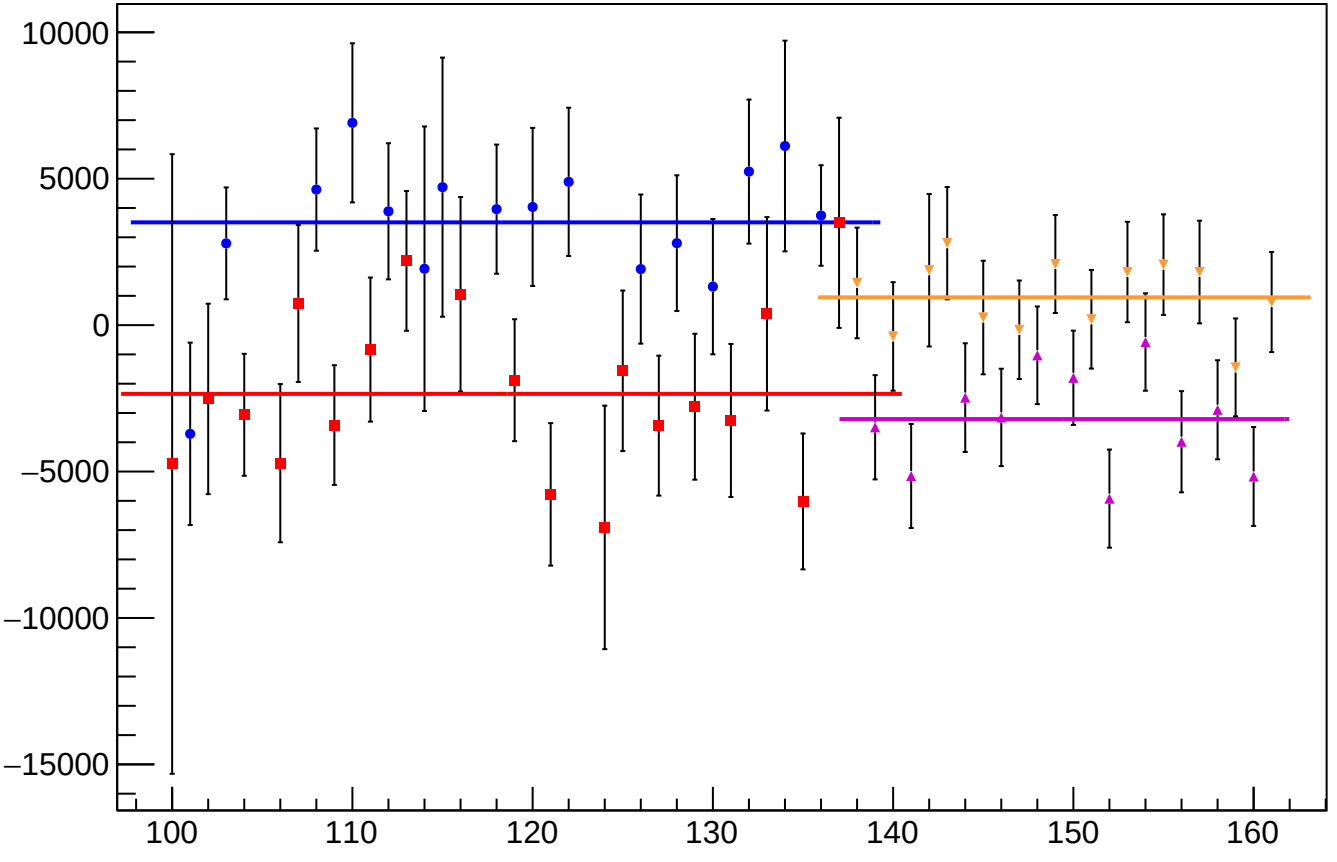
Left In: 4768.980+/-1.109 χ^2/NDF:494863.3/10

+ sign 4772.012+/-0.824 χ^2/NDF: 1299391.8/28

All: 4736.517+/-0.584 χ^2/NDF: 2784583.4/58

- sign 4700.570+/-0.829 χ^2/NDF: 1481454.5/29

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 949.337+/-498.443 χ^2/NDF:5.8/12

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

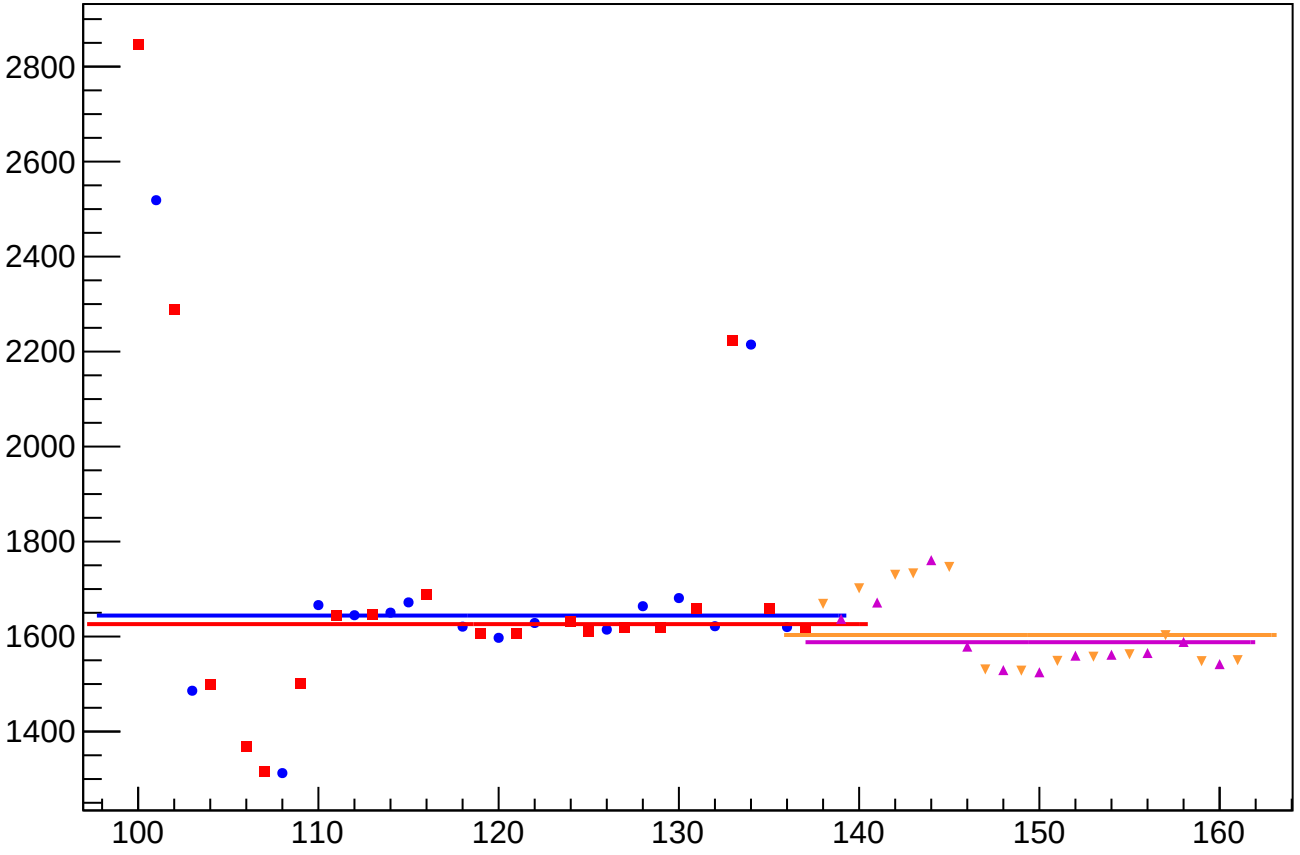
Left In: -3206.925+/-514.098 χ^2/NDF:10.6/10

+ sign 1960.897+/-387.661 χ^2/NDF: 26.7/28

All: -414.123+/-275.791 χ^2/NDF: 131.5/58

- sign -2848.023+/-392.437 χ^2/NDF: 28.8/29

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1603.263+/-0.352 χ^2/NDF:49313.2/12

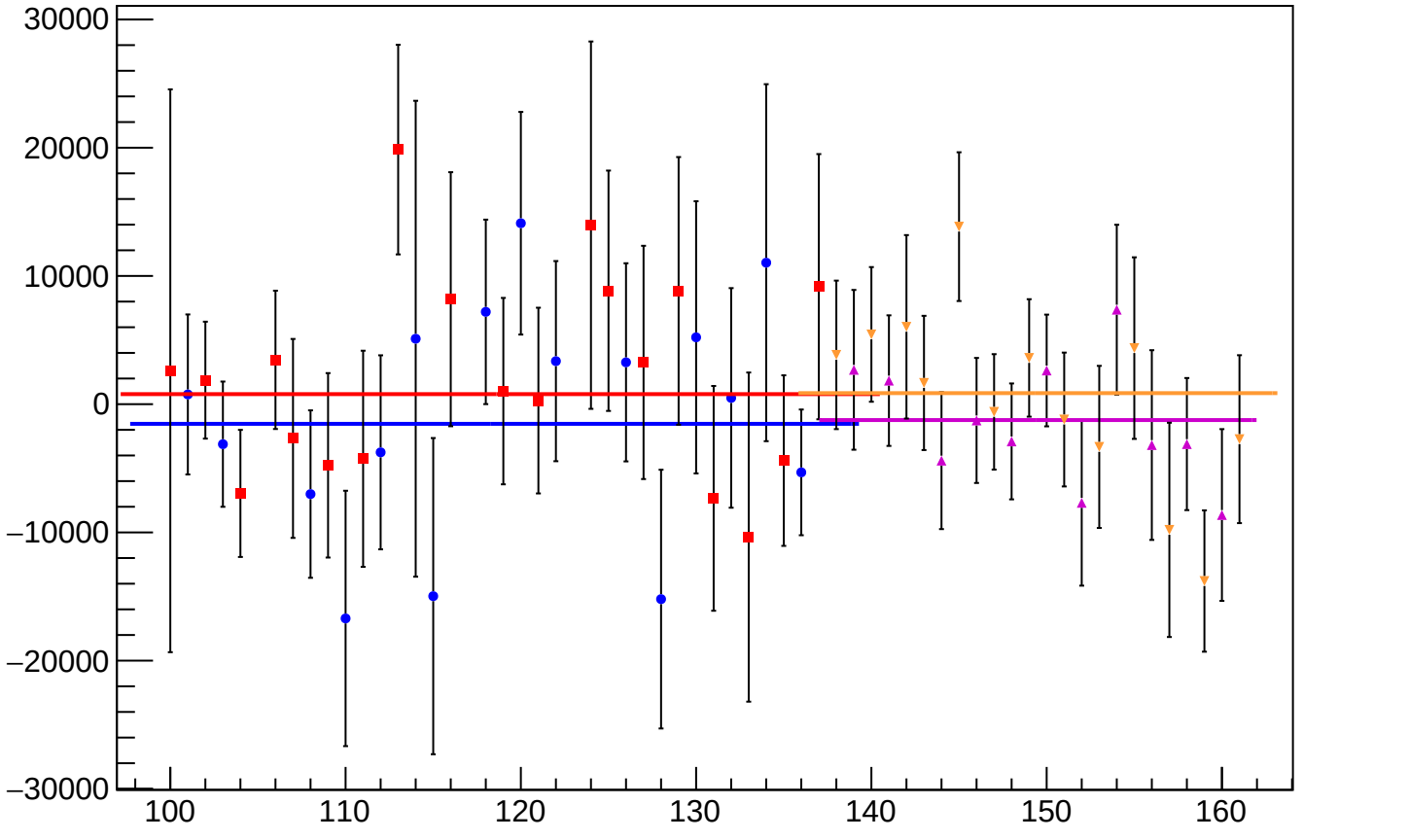
Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1588.120+/-0.364 χ^2/NDF:31827.4/10

+ sign 1619.437+/-0.274 χ^2/NDF: 329460.9/28

All: 1611.818+/-0.195 χ^2/NDF: 605068.6/58

- sign 1604.016+/-0.277 χ^2/NDF: 274044.1/29



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 862.035+/-1578.802 χ^2/NDF:16.9/12

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

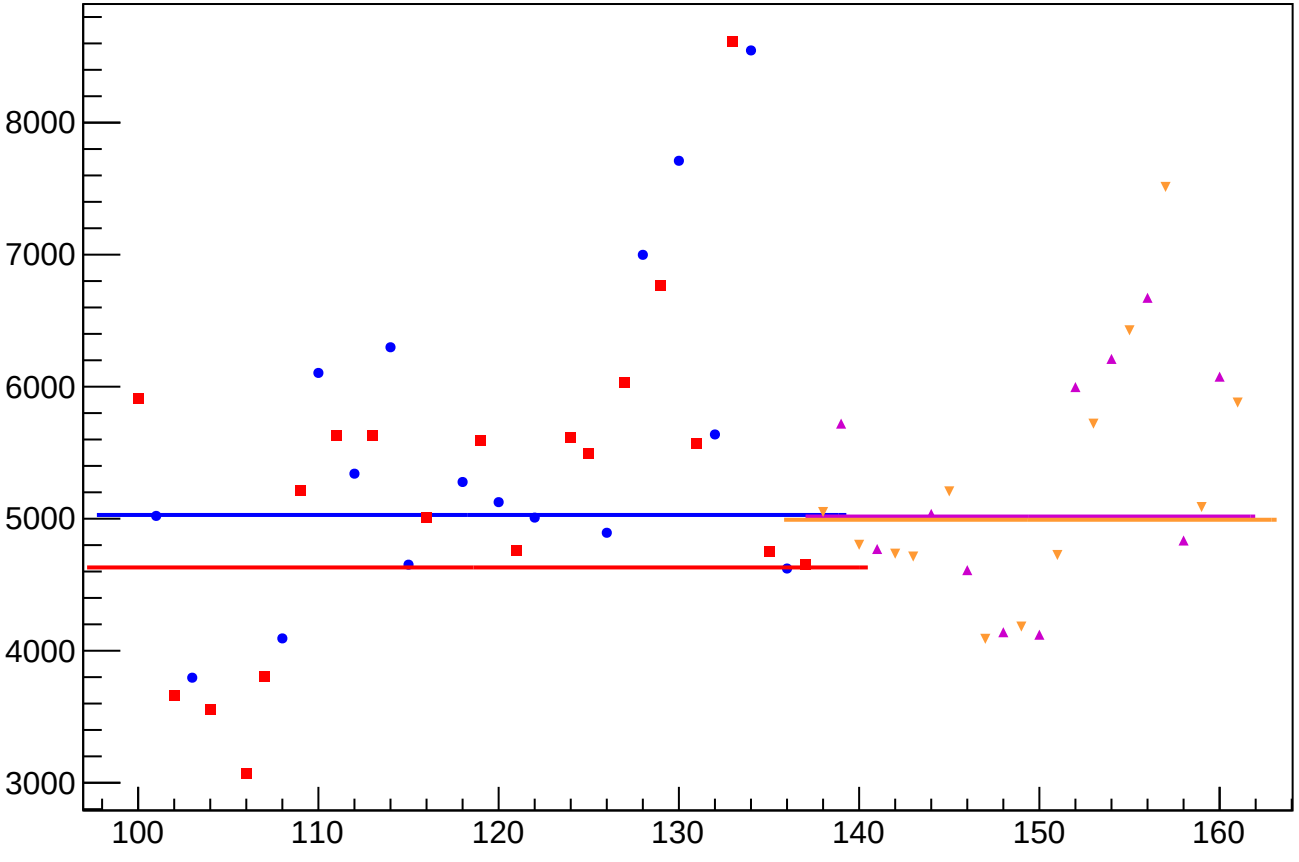
Left In: -1239.095+/-1648.148 χ^2/NDF:6.1/10

+ sign -107.494+/-1217.871 χ^2/NDF: 31.7/28

All: -198.721+/-854.540 χ^2/NDF: 53.6/58

- sign -287.194+/-1199.346 χ^2/NDF: 21.9/29

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4992.114+/-1.116 χ^2/NDF:489893.9/12

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

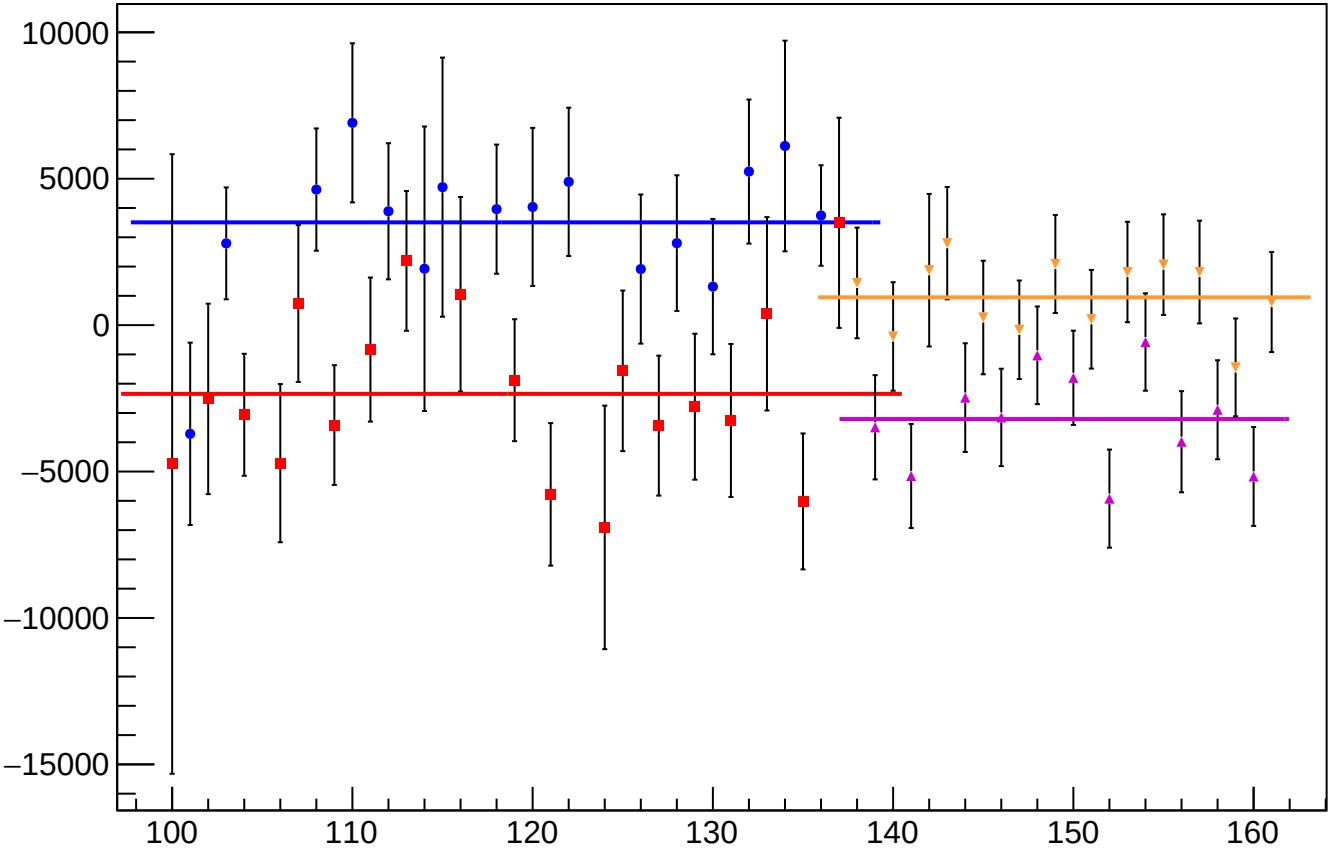
Left In: 5016.514+/-1.165 χ^2/NDF:467612.4/10

+ sign 5006.828+/-0.861 χ^2/NDF: 1055792.4/28

All: 4919.647+/-0.604 χ^2/NDF: 2458614.9/58

- sign 4835.097+/-0.848 χ^2/NDF: 1382634.3/29

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 949.326+/-498.444 χ^2/NDF:5.8/12

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

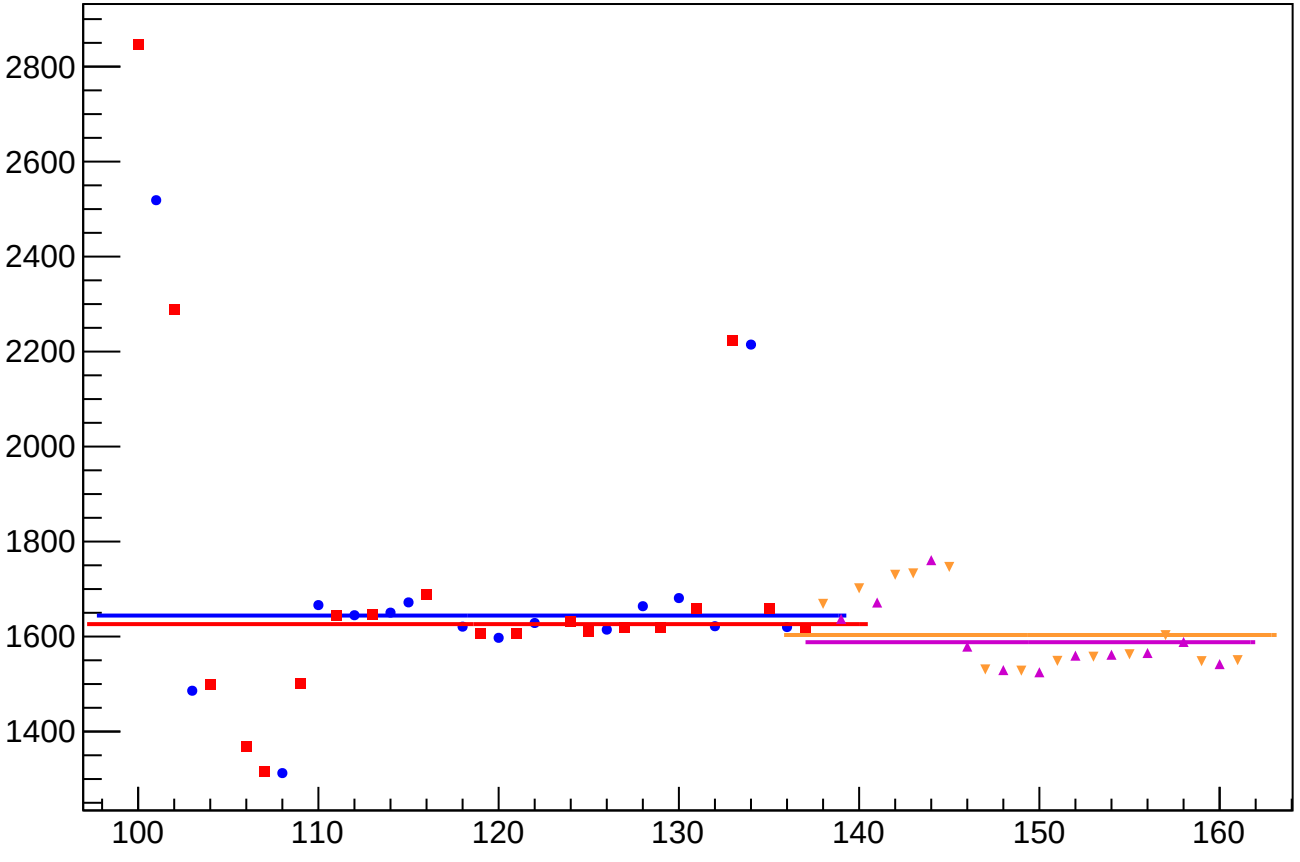
Left In: -3206.927+/-514.099 χ^2/NDF:10.6/10

+ sign 1960.892+/-387.661 χ^2/NDF: 26.7/28

All: -414.127+/-275.791 χ^2/NDF: 131.5/58

- sign -2848.025+/-392.437 χ^2/NDF: 28.8/29

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1603.265+/-0.352 χ^2/NDF:49313.2/12

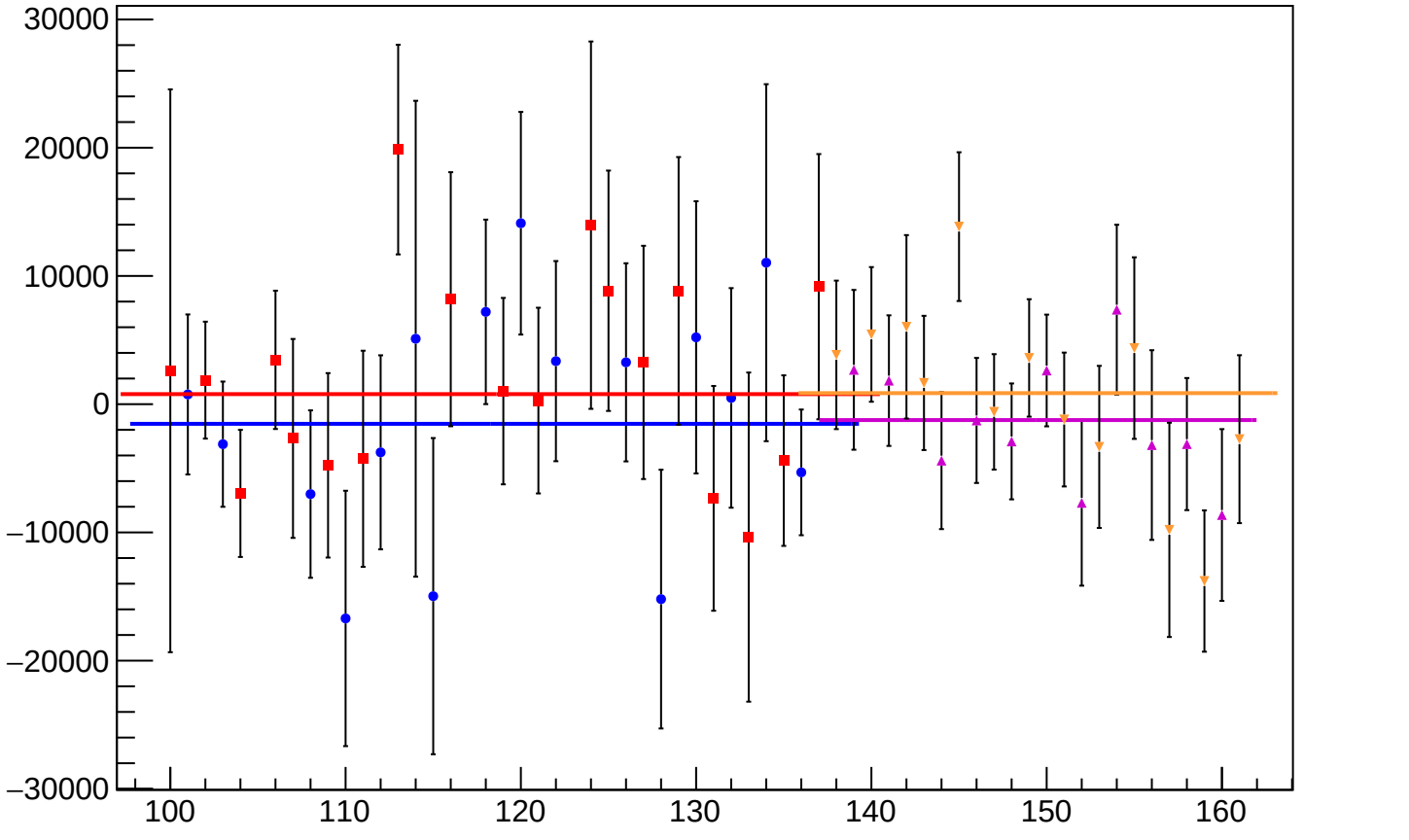
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1588.121+/-0.364 χ^2/NDF:31827.3/10

+ sign 1619.438+/-0.274 χ^2/NDF: 329460.6/28

All: 1611.819+/-0.195 χ^2/NDF: 605067.5/58

- sign 1604.017+/-0.277 χ^2/NDF: 274043.3/29



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 862.031+/-1578.804 χ^2/NDF:16.9/12

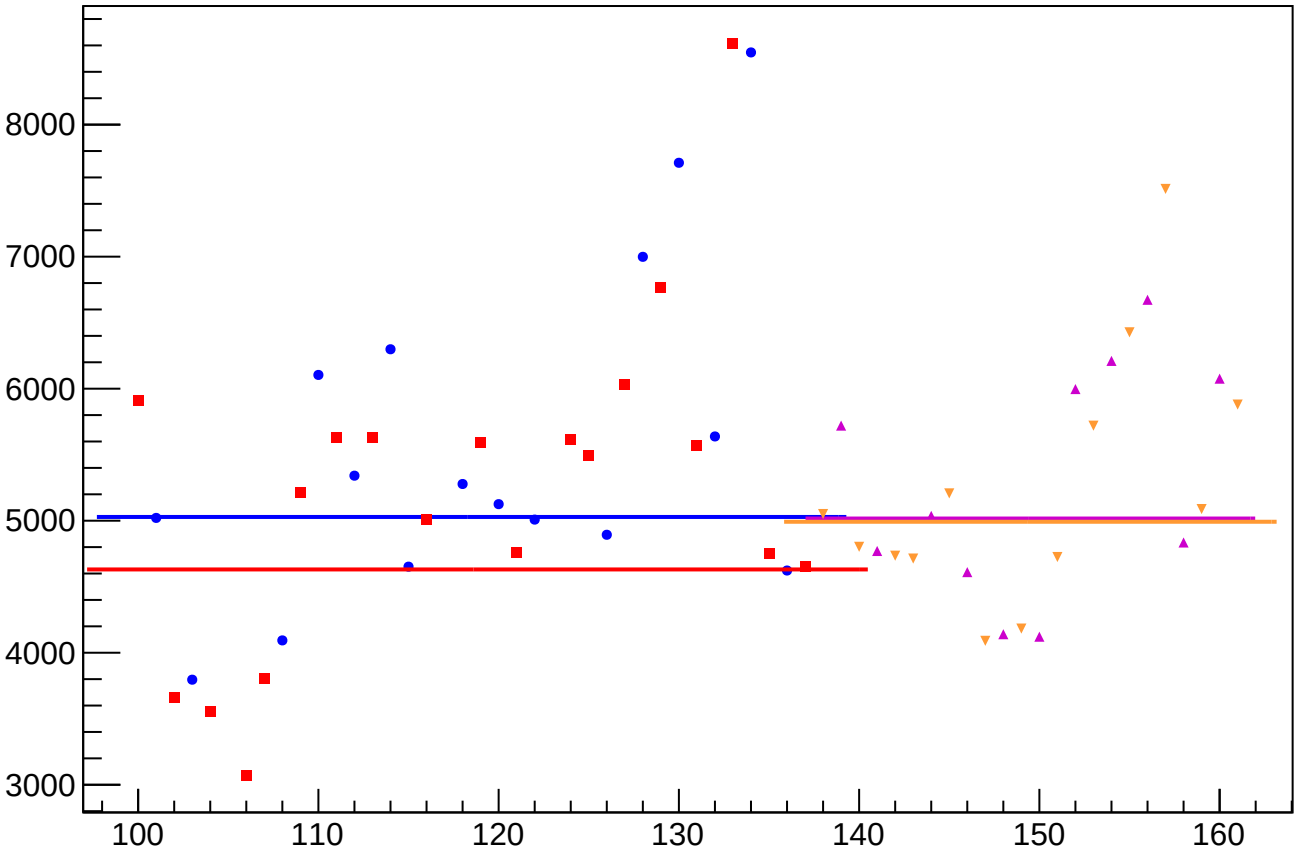
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -1239.094+/-1648.150 χ^2/NDF:6.1/10

\+ sign -107.493+/-1217.872 χ^2/NDF: 31.7/28

All: -198.719+/-854.540 χ^2/NDF: 53.6/58

\- sign -287.190+/-1199.346 χ^2/NDF: 21.9/29



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4992.122+/-1.116 χ^2/NDF:489893.4/12

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

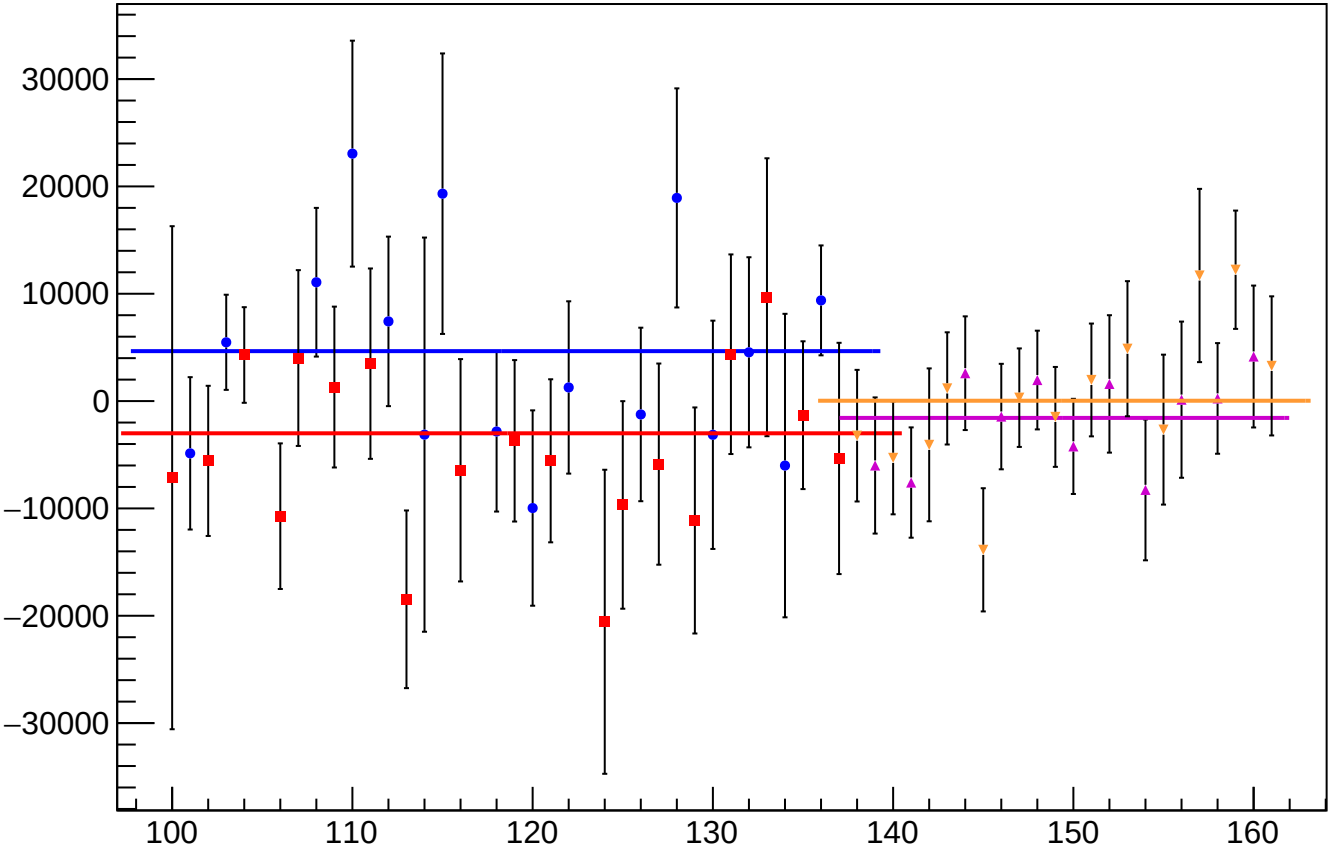
Left In: 5016.521+/-1.165 χ^2/NDF:467611.0/10

+ sign 5006.830+/-0.861 χ^2/NDF: 1055785.1/28

All: 4919.648+/-0.604 χ^2/NDF: 2458604.5/58

- sign 4835.098+/-0.848 χ^2/NDF: 1382630.7/29

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 32.243+/-1586.908 χ^2/NDF:15.8/12

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

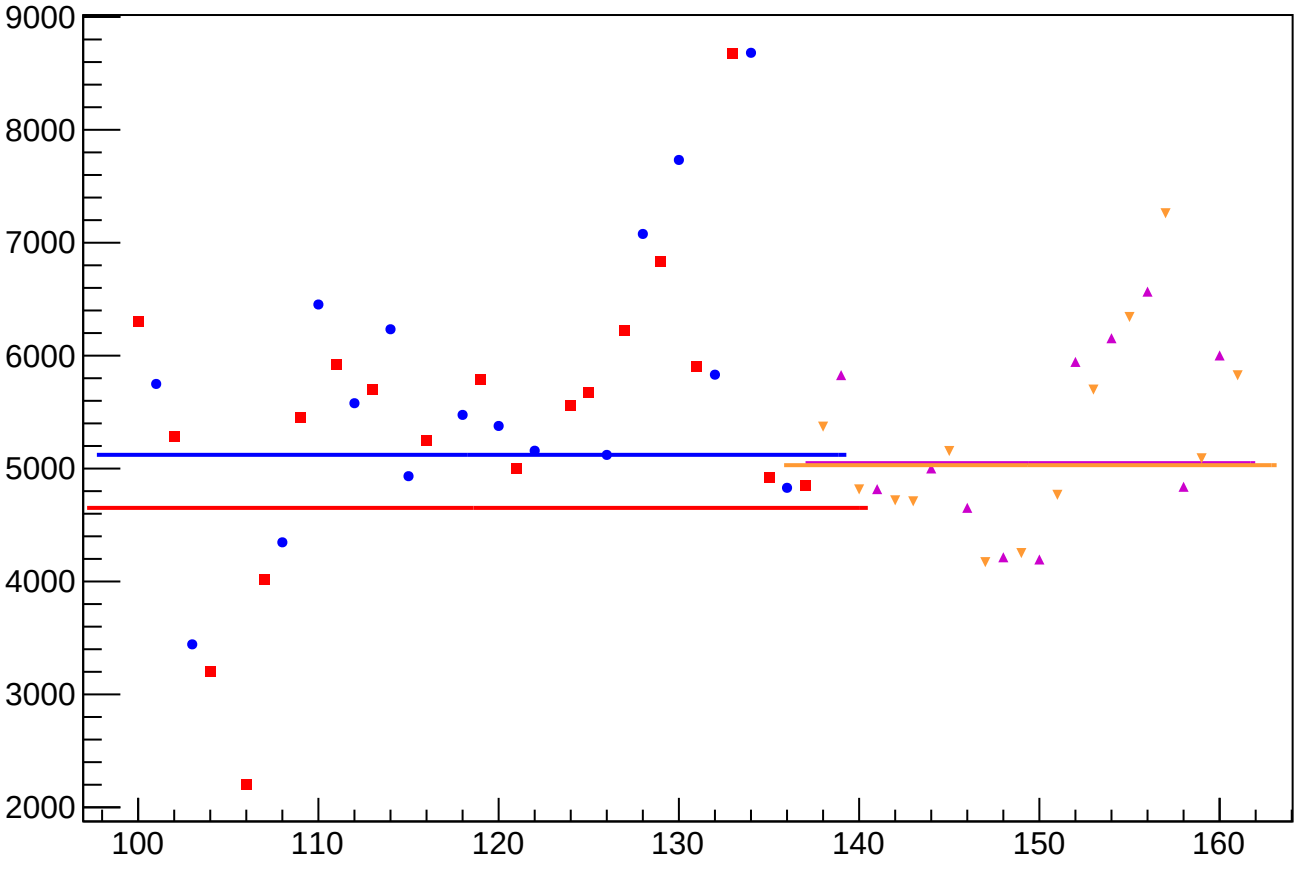
Left In: -1567.693+/-1655.228 χ^2/NDF:5.6/10

+ sign 1863.644+/-1232.967 χ^2/NDF: 34.7/28

All: -147.766+/-875.415 χ^2/NDF: 59.9/58

- sign -2192.517+/-1243.144 χ^2/NDF: 19.8/29

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5030.094+/-1.122 χ^2/NDF:429215.3/12

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

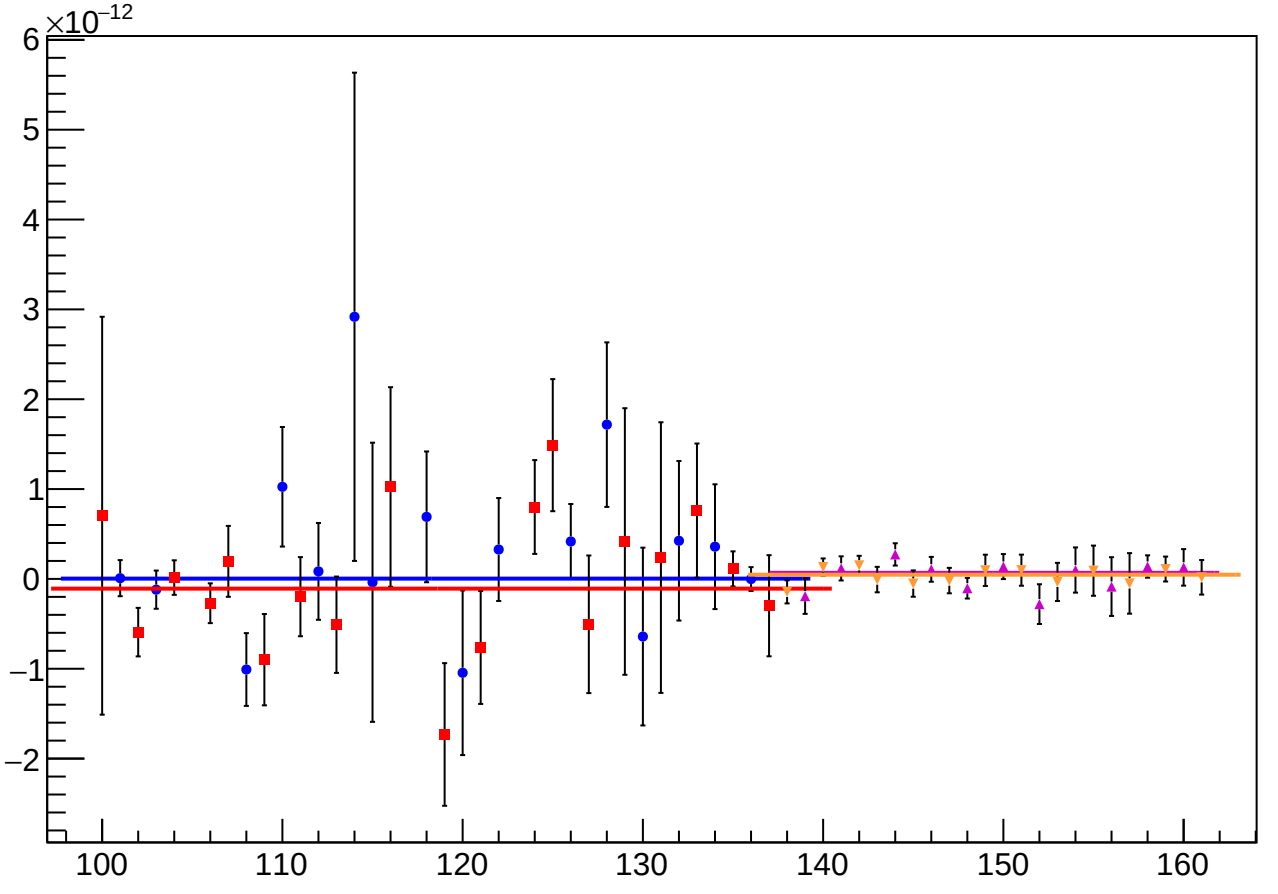
Left In: 5048.066+/-1.170 χ^2/NDF:415274.8/10

+ sign 5066.378+/-0.872 χ^2/NDF: 1152223.5/28

All: 4966.096+/-0.614 χ^2/NDF: 2990788.0/58

- sign 4867.639+/-0.864 χ^2/NDF: 1812344.4/29

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:5.4/12

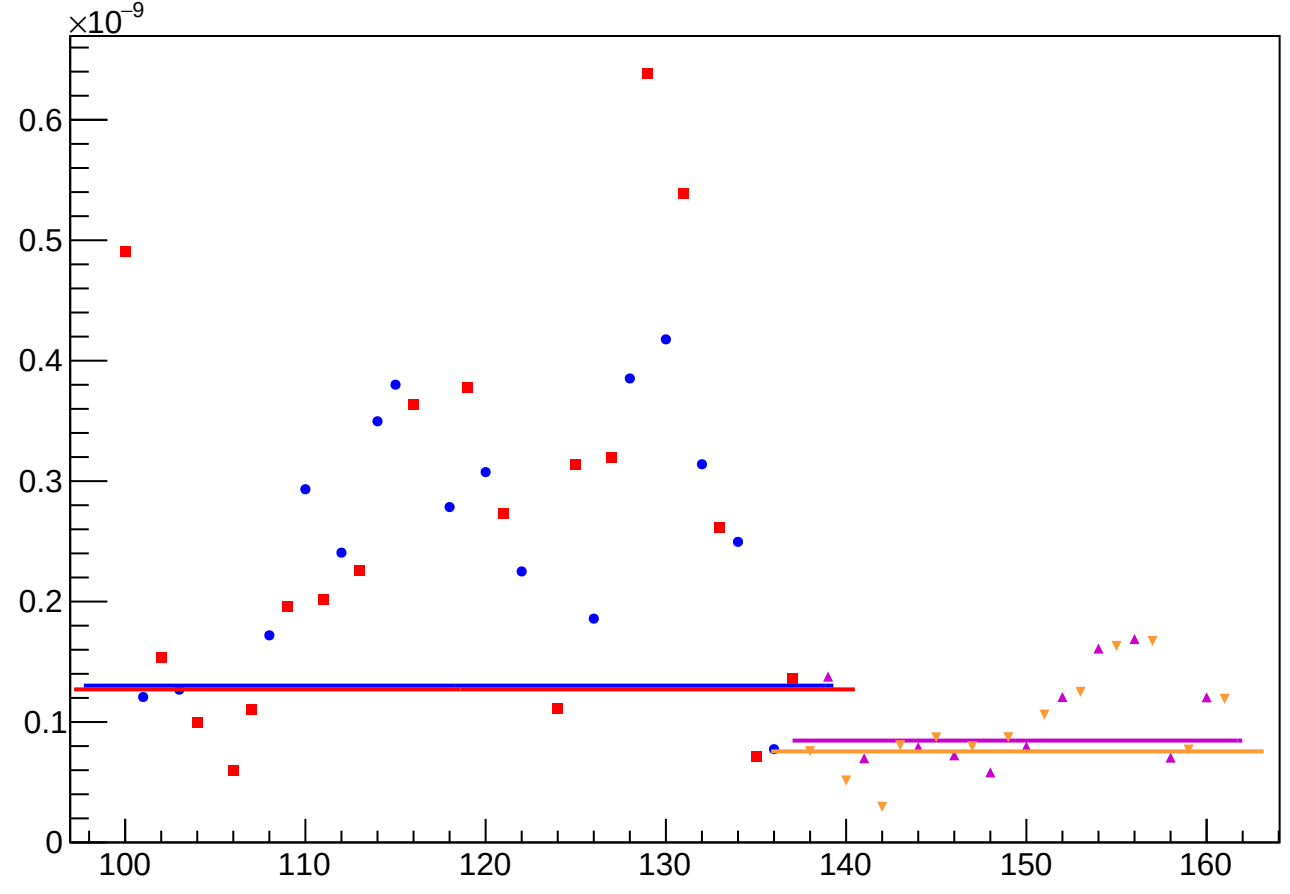
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 23.7/28

All: 0.000+/-0.000 χ^2/NDF: 62.1/58

- sign 0.000+/-0.000 χ^2/NDF: 38.5/29



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1145920.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

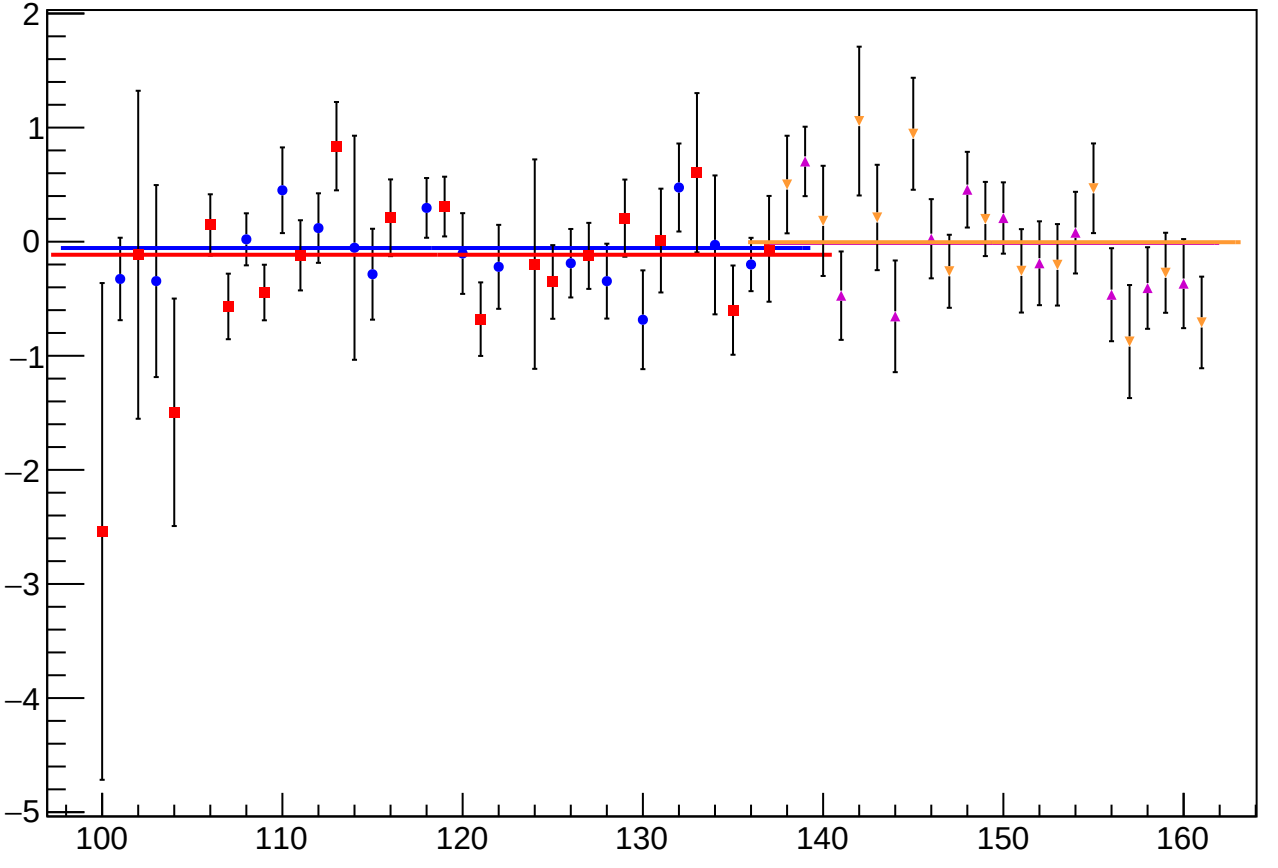
Left In: 0.000+/-0.000 χ^2/NDF:755496.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 3125263.2/28

All: 0.000+/-0.000 χ^2/NDF: 6010620.8/58

- sign 0.000+/-0.000 χ^2/NDF: 2843943.5/29

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: -0.005+/-0.112 χ^2/NDF:18.2/12

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

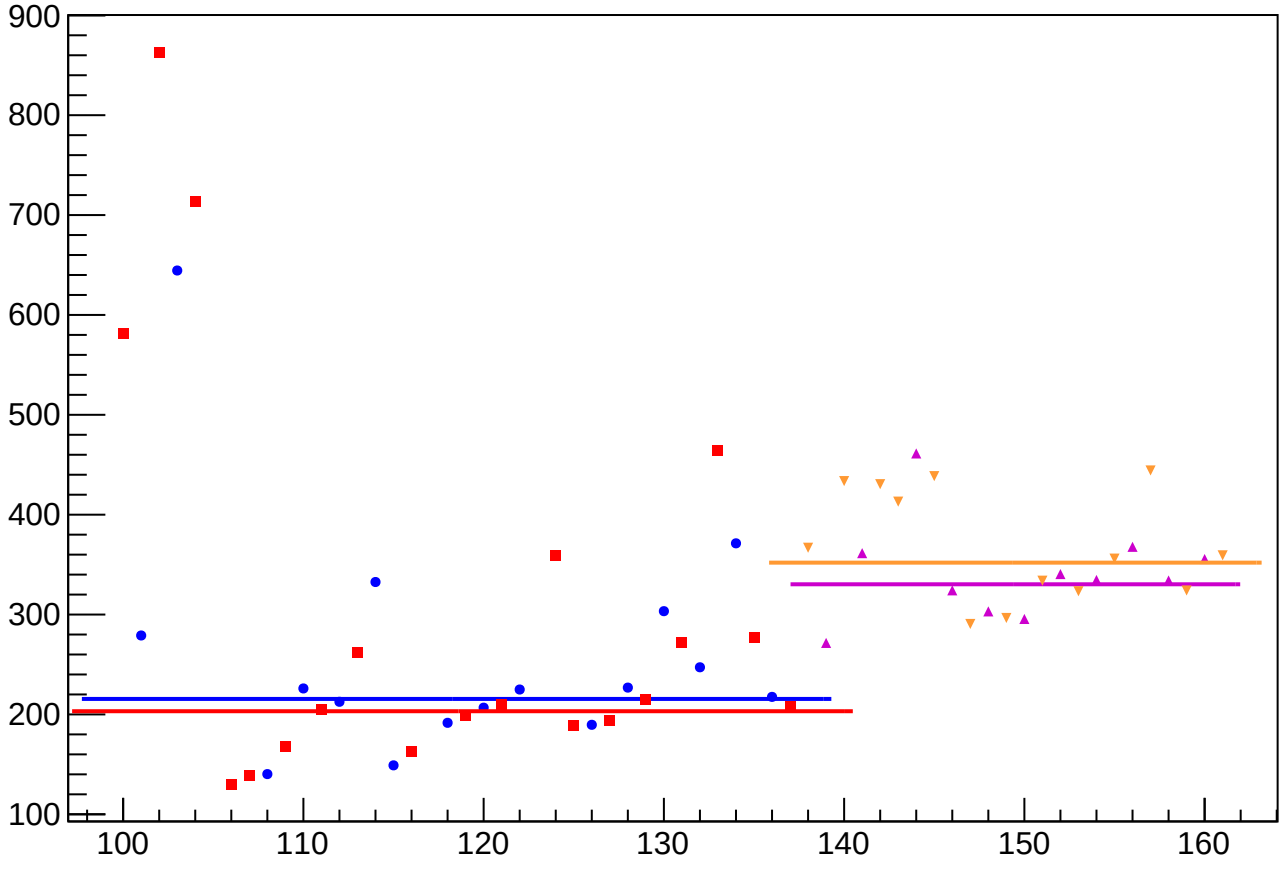
Left In: -0.011+/-0.109 χ^2/NDF:14.7/10

+ sign -0.037+/-0.068 χ^2/NDF: 28.9/28

All: -0.057+/-0.047 χ^2/NDF: 69.7/58

- sign -0.076+/-0.066 χ^2/NDF: 40.5/29

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: 351.983+/-0.079 χ^2/NDF:418208.1/12

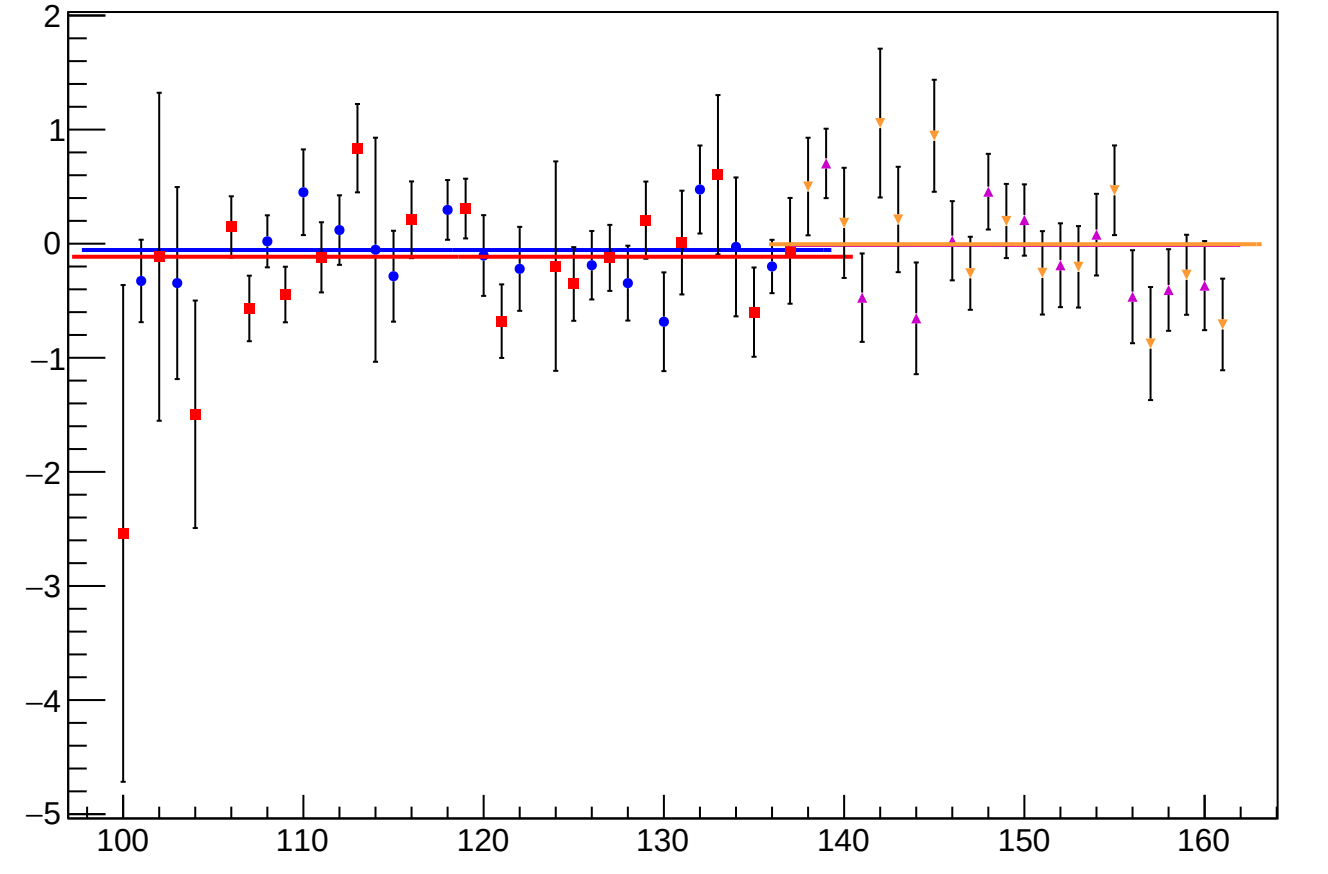
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 330.309+/-0.077 χ^2/NDF:296694.7/10

+ sign 266.003+/-0.048 χ^2/NDF: 3453080.9/28

All: 257.917+/-0.033 χ^2/NDF: 7367707.2/58

- sign 250.255+/-0.047 χ^2/NDF: 3859296.3/29



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: -0.005+/-0.112 χ^2/NDF:18.2/12

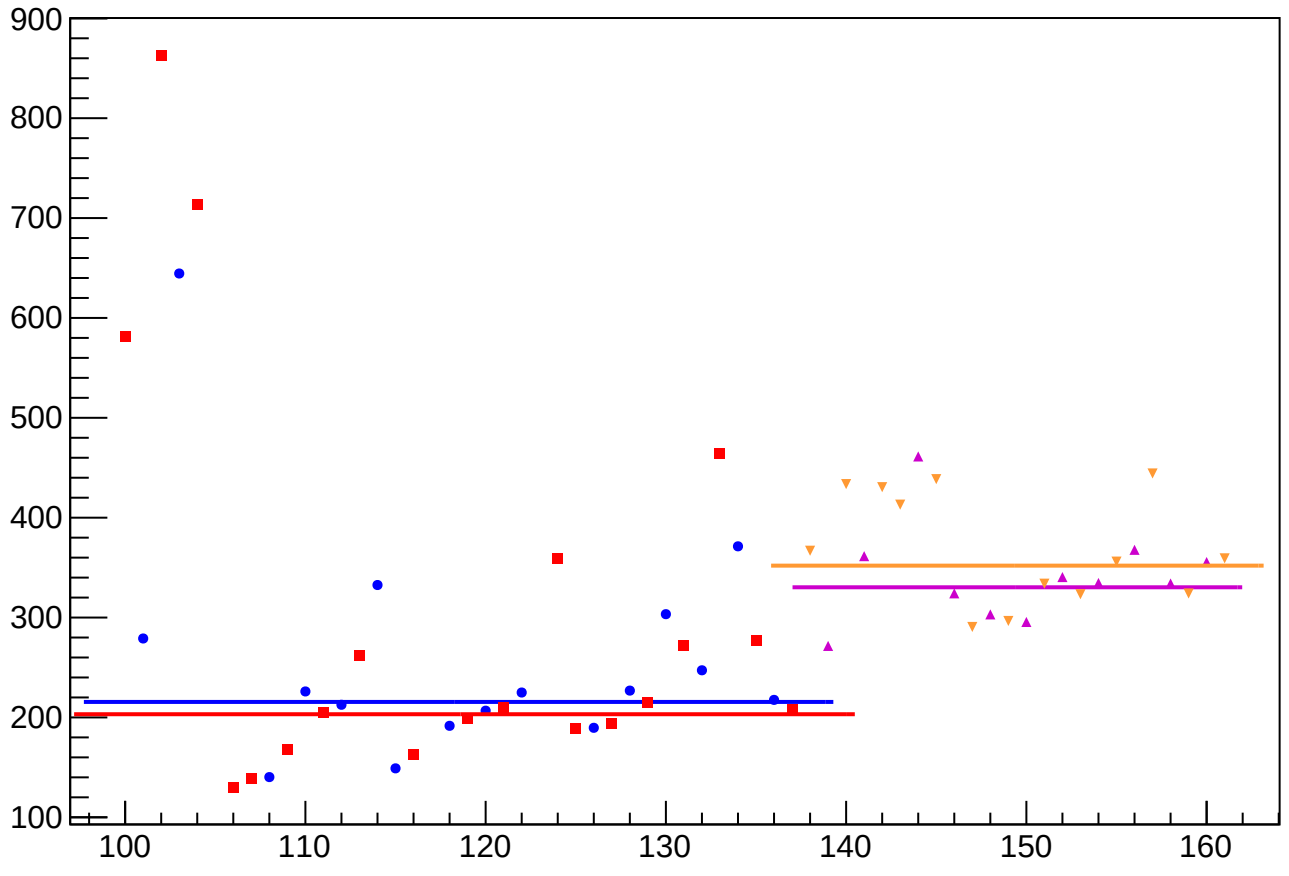
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.011+/-0.109 χ^2/NDF:14.7/10

+ sign -0.037+/-0.068 χ^2/NDF: 28.9/28

All: -0.057+/-0.047 χ^2/NDF: 69.7/58

- sign -0.076+/-0.066 χ^2/NDF: 40.5/29



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 351.983+/-0.079 χ^2/NDF:418208.1/12

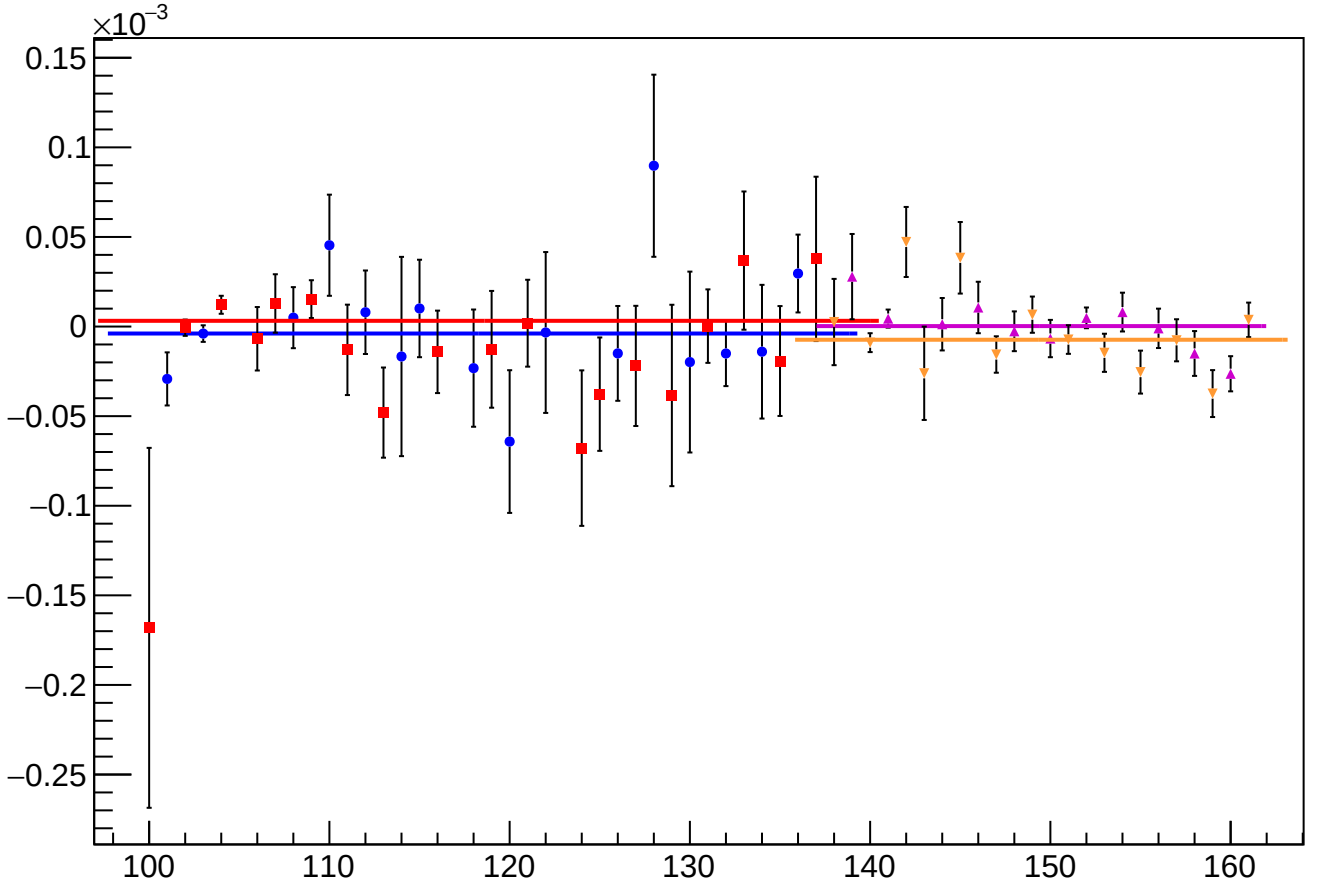
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 330.309+/-0.077 χ^2/NDF:296694.7/10

+ sign 266.003+/-0.048 χ^2/NDF: 3453080.9/28

All: 257.917+/-0.033 χ^2/NDF: 7367707.2/58

- sign 250.255+/-0.047 χ^2/NDF: 3859296.3/29



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.7/12

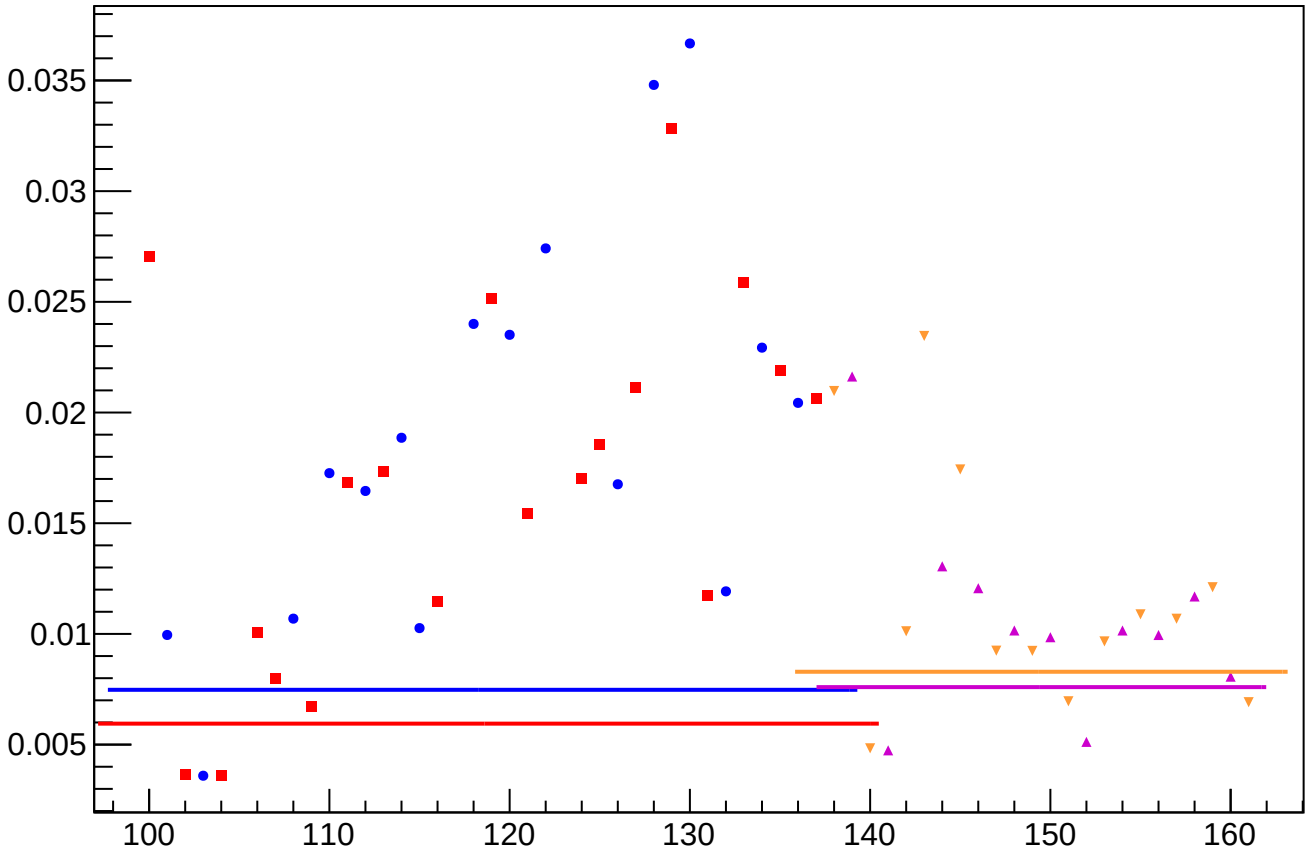
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/10

+ sign -0.000+/-0.000 χ^2/NDF: 42.2/28

All: -0.000+/-0.000 χ^2/NDF: 83.9/58

- sign 0.000+/-0.000 χ^2/NDF: 35.3/29



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:3042396.5/12

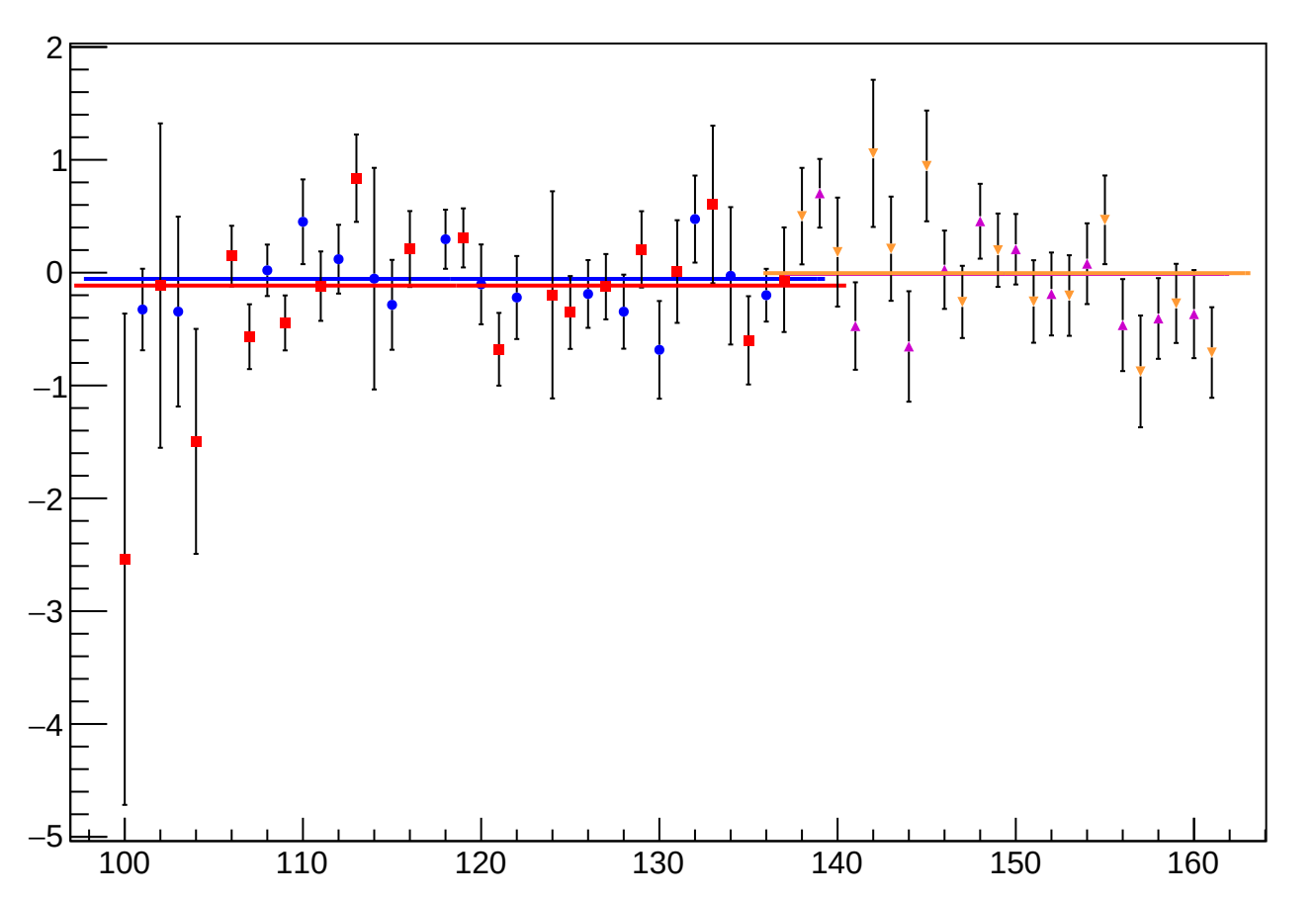
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:2794396.8/10

+ sign 0.008+/-0.000 χ^2/NDF: 9177042.2/28

All: 0.007+/-0.000 χ^2/NDF: 18544456.1/58

- sign 0.007+/-0.000 χ^2/NDF: 9068590.4/29



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: -0.005+/-0.112 χ^2/NDF:18.2/12

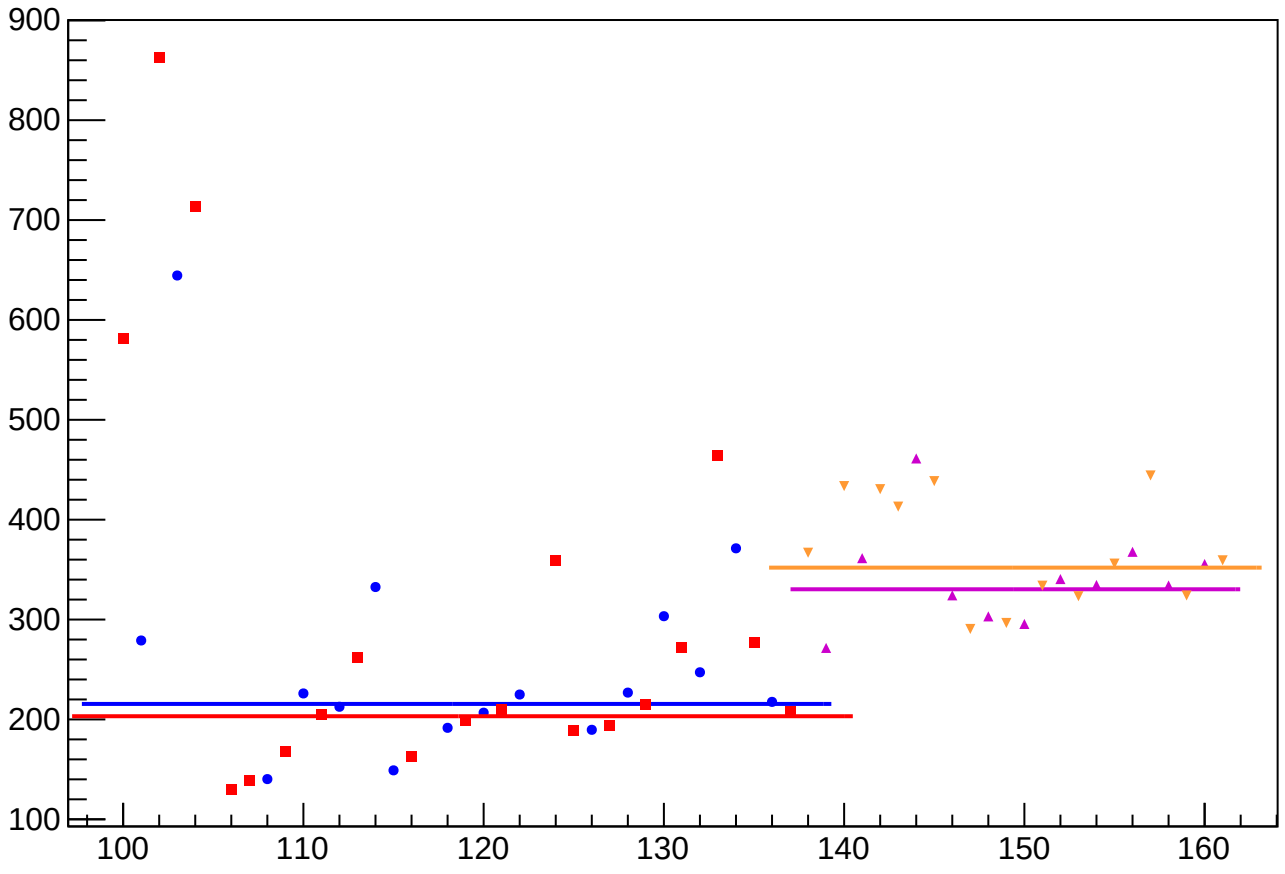
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.011+/-0.109 χ^2/NDF:14.7/10

+ sign -0.037+/-0.068 χ^2/NDF: 28.9/28

All: -0.057+/-0.047 χ^2/NDF: 69.7/58

- sign -0.076+/-0.066 χ^2/NDF: 40.5/29



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 351.988+/-0.079 χ^2/NDF:418197.1/12

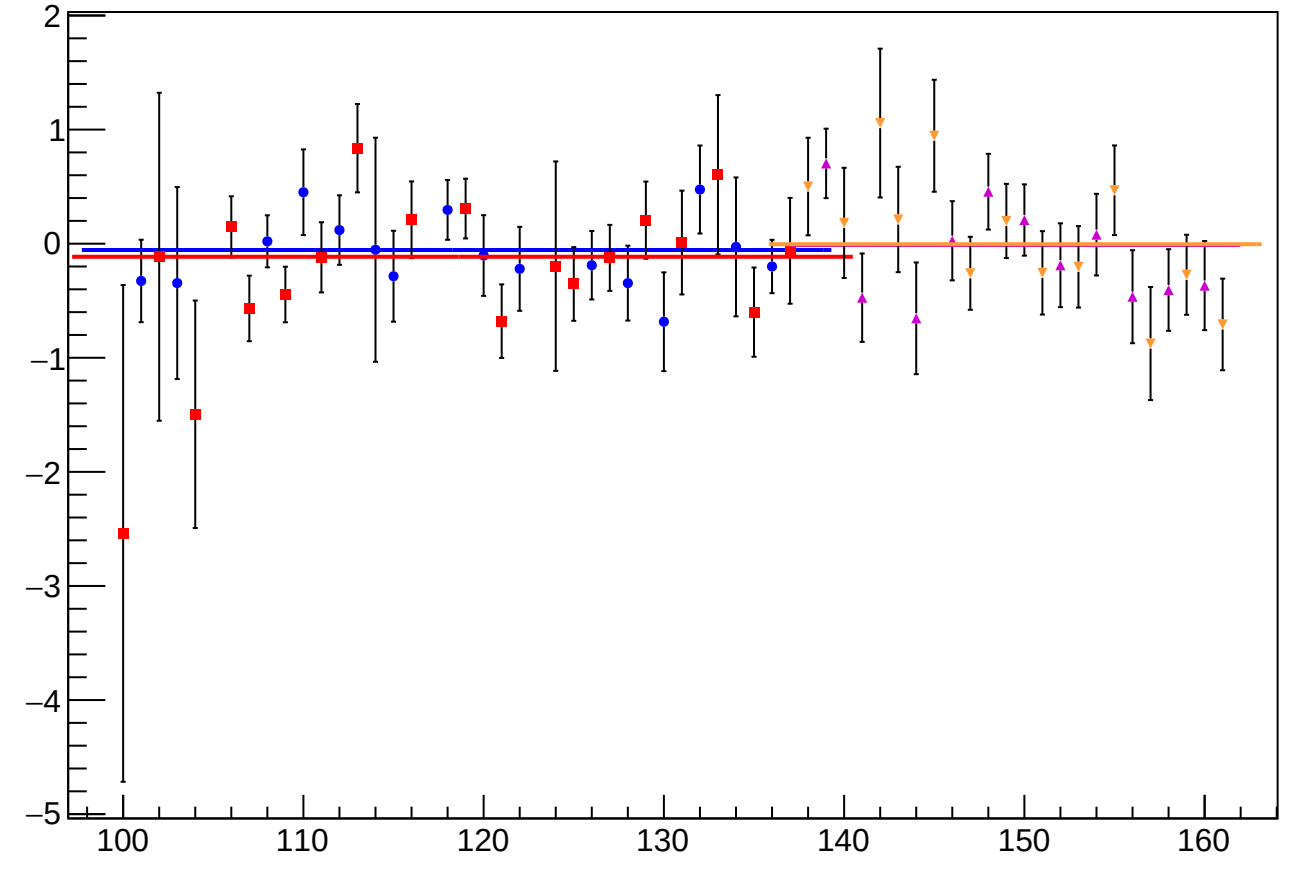
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 330.314+/-0.077 χ^2/NDF:296680.6/10

+ sign 266.003+/-0.048 χ^2/NDF: 3453196.6/28

All: 257.917+/-0.033 χ^2/NDF: 7367945.4/58

- sign 250.254+/-0.047 χ^2/NDF: 3859417.0/29



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: -0.005+/-0.112 χ^2/NDF:18.2/12

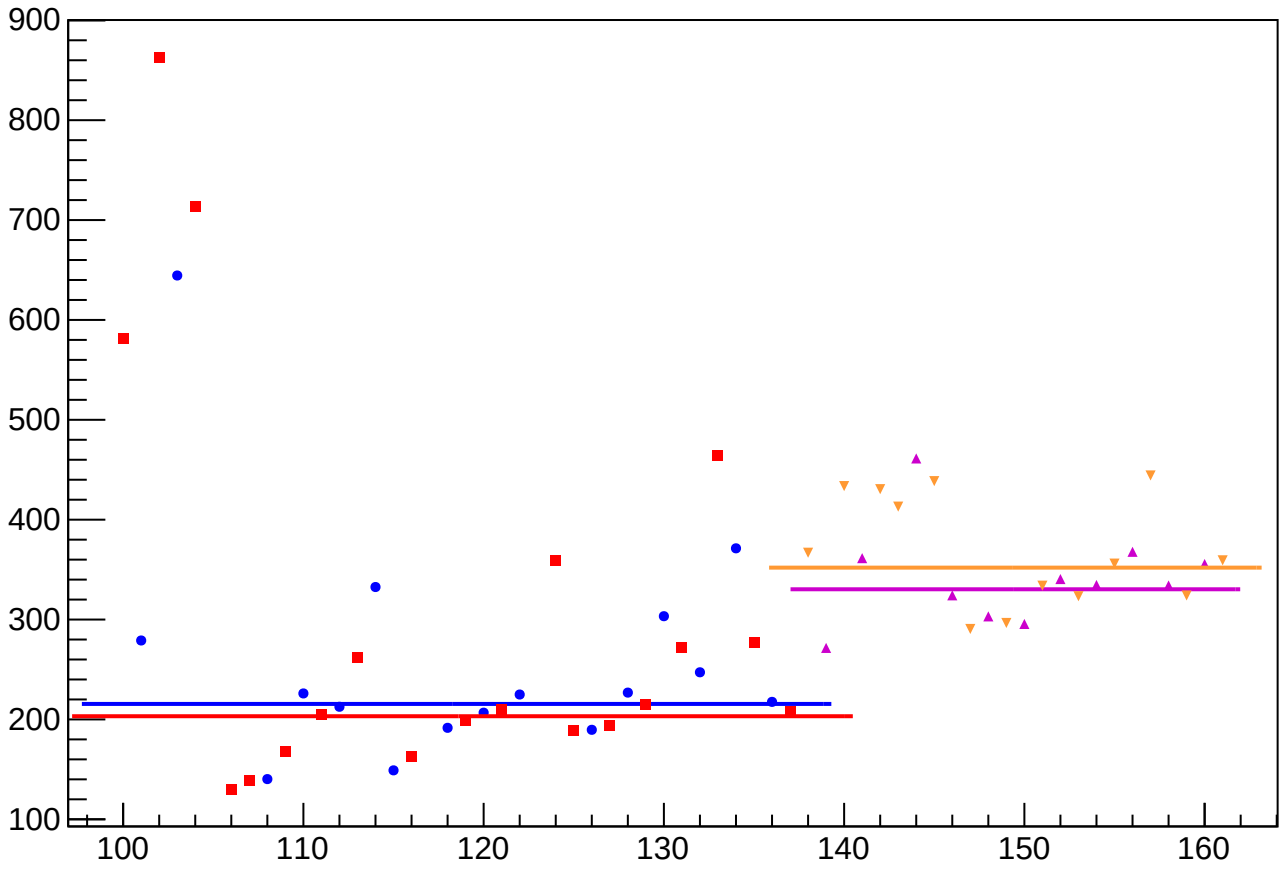
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.011+/-0.109 χ^2/NDF:14.7/10

+ sign -0.037+/-0.068 χ^2/NDF: 28.9/28

All: -0.057+/-0.047 χ^2/NDF: 69.7/58

- sign -0.076+/-0.066 χ^2/NDF: 40.5/29



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 351.988+/-0.079 χ^2/NDF:418197.1/12

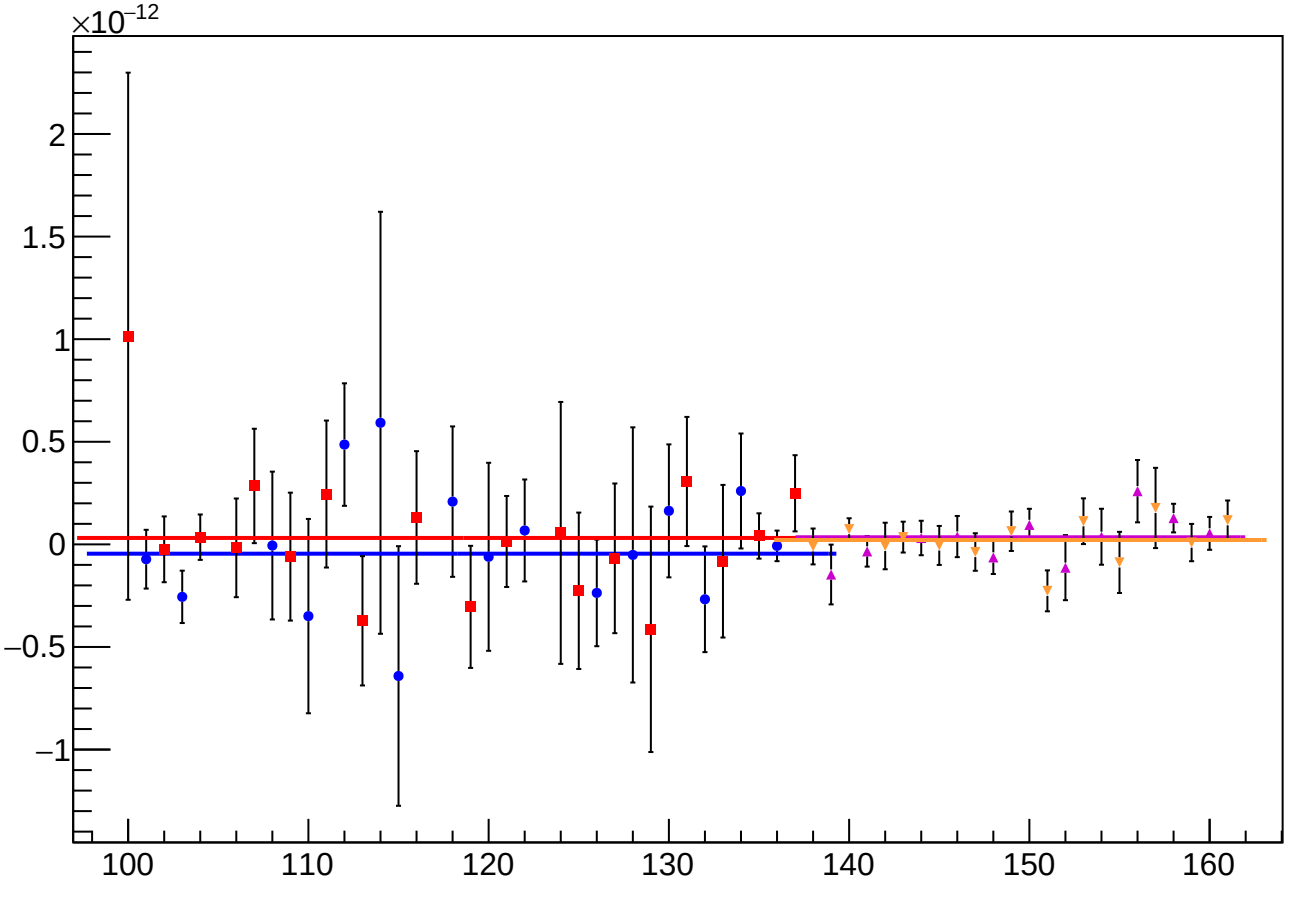
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 330.314+/-0.077 χ^2/NDF:296680.6/10

+ sign 266.003+/-0.048 χ^2/NDF: 3453196.6/28

All: 257.917+/-0.033 χ^2/NDF: 7367945.4/58

- sign 250.254+/-0.047 χ^2/NDF: 3859417.0/29



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/12

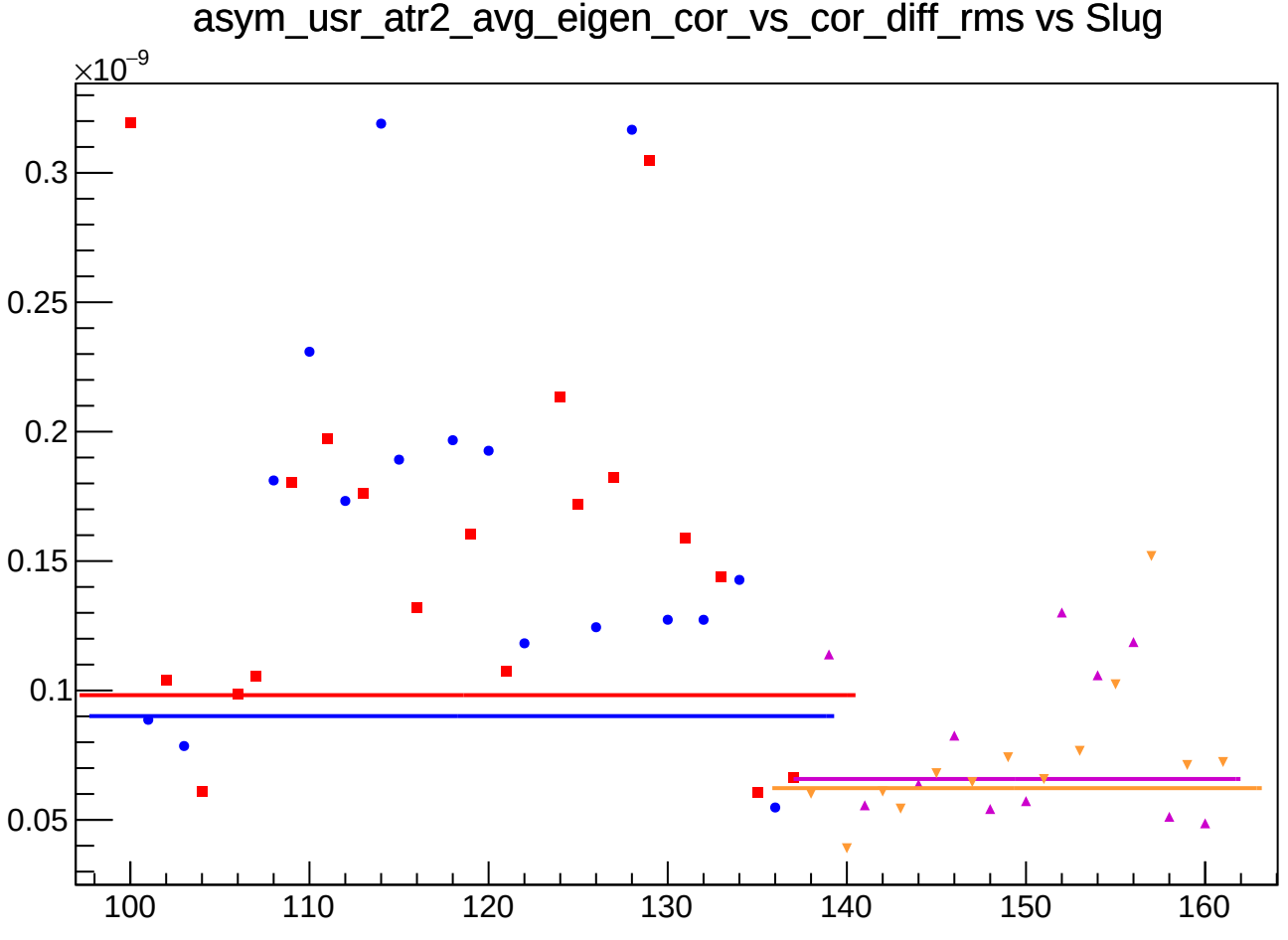
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/28

All: 0.000+/-0.000 χ^2/NDF: 42.2/58

- sign 0.000+/-0.000 χ^2/NDF: 17.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1089291.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

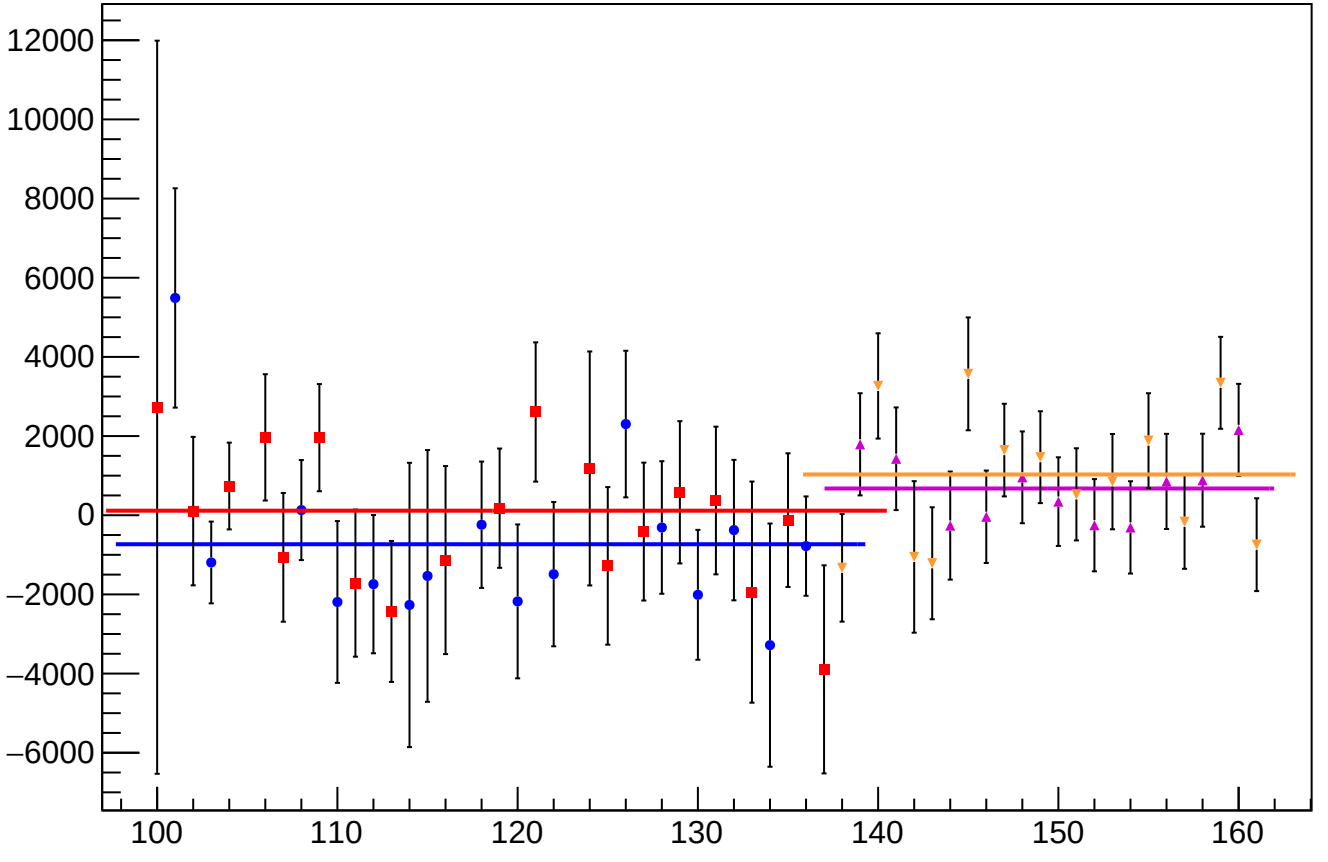
Left In: 0.000+/-0.000 χ^2/NDF:1300833.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 3391224.2/28

All: 0.000+/-0.000 χ^2/NDF: 7033856.3/58

- sign 0.000+/-0.000 χ^2/NDF: 3596109.8/29

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 1030.194+/-350.371 χ^2/NDF:21.1/12

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

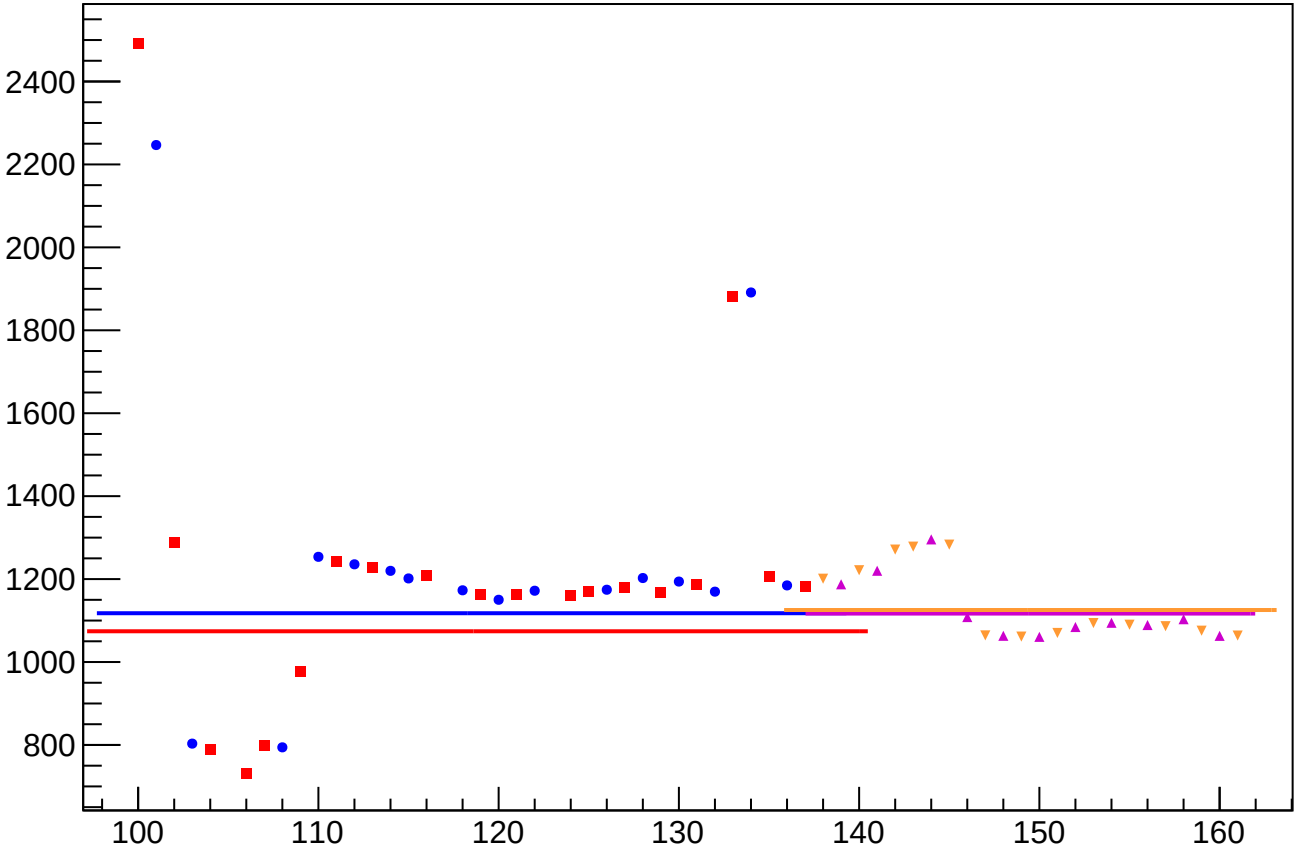
Left In: 675.108+/-361.911 χ^2/NDF:5.1/10

+ sign 321.594+/-270.957 χ^2/NDF: 43.0/28

All: 376.037+/-191.872 χ^2/NDF: 62.3/58

- sign 430.795+/-271.742 χ^2/NDF: 19.3/29

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1125.405+/-0.248 χ^2/NDF:106534.1/12

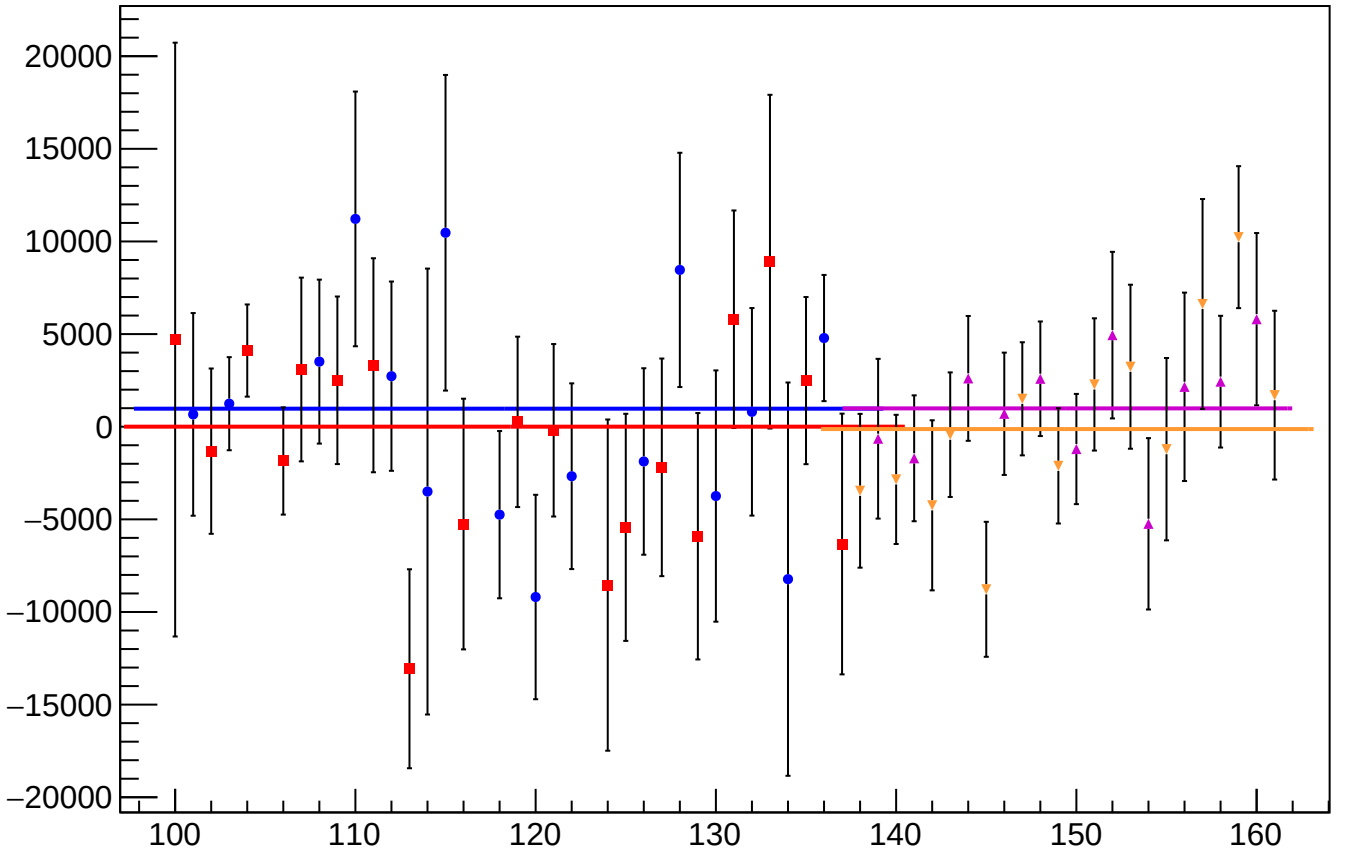
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1116.859+/-0.256 χ^2/NDF:70245.0/10

+ sign 1122.301+/-0.192 χ^2/NDF: 926759.6/28

All: 1110.168+/-0.135 χ^2/NDF: 1666793.1/58

- sign 1098.053+/-0.191 χ^2/NDF: 732018.6/29



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -126.833+/-1065.729 χ^2/NDF:18.4/12

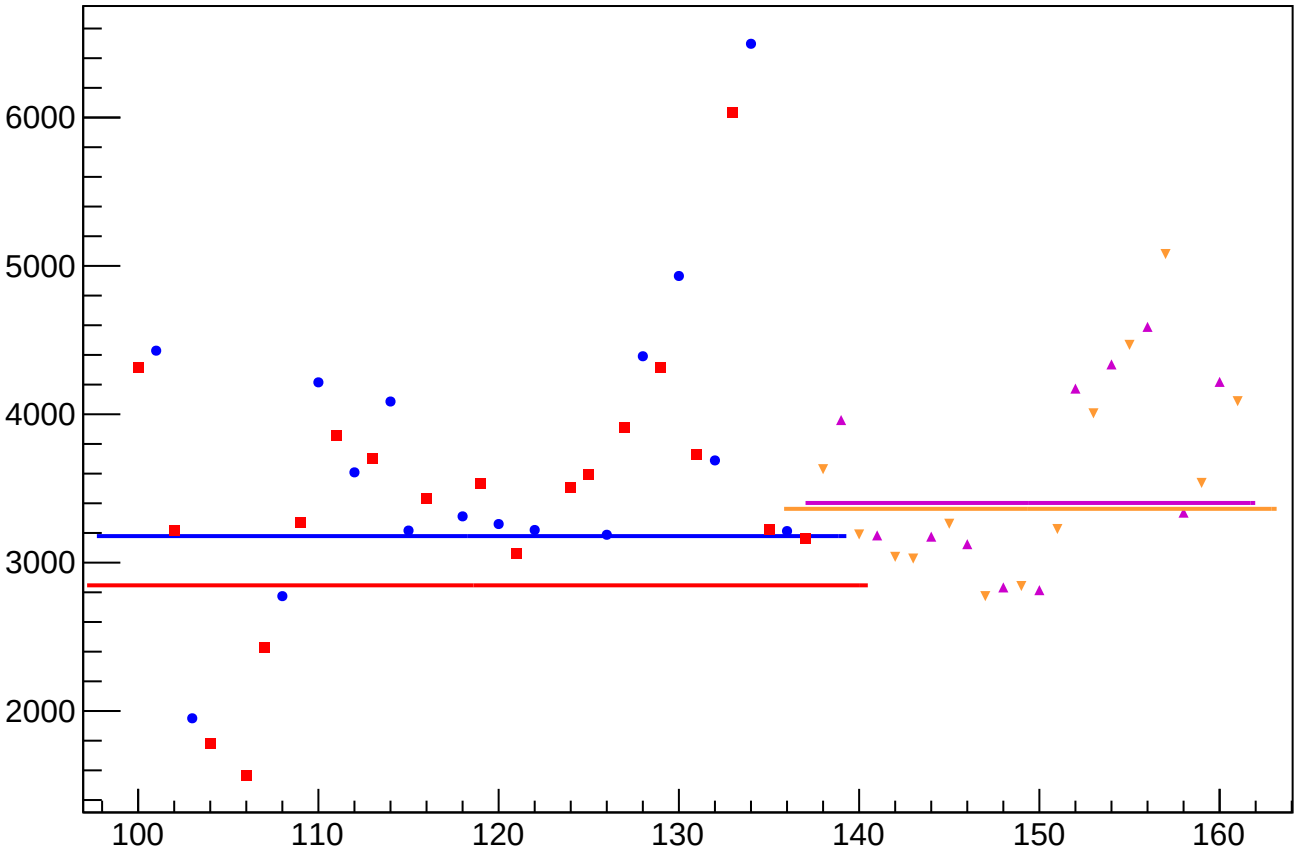
Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: 989.262+/-1119.349 χ^2/NDF:5.7/10

+ sign 343.904+/-806.219 χ^2/NDF: 32.6/28

All: 420.348+/-564.103 χ^2/NDF: 55.3/58

- sign 493.666+/-789.565 χ^2/NDF: 22.7/29



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3362.630+/-0.754 χ^2/NDF:559511.4/12

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

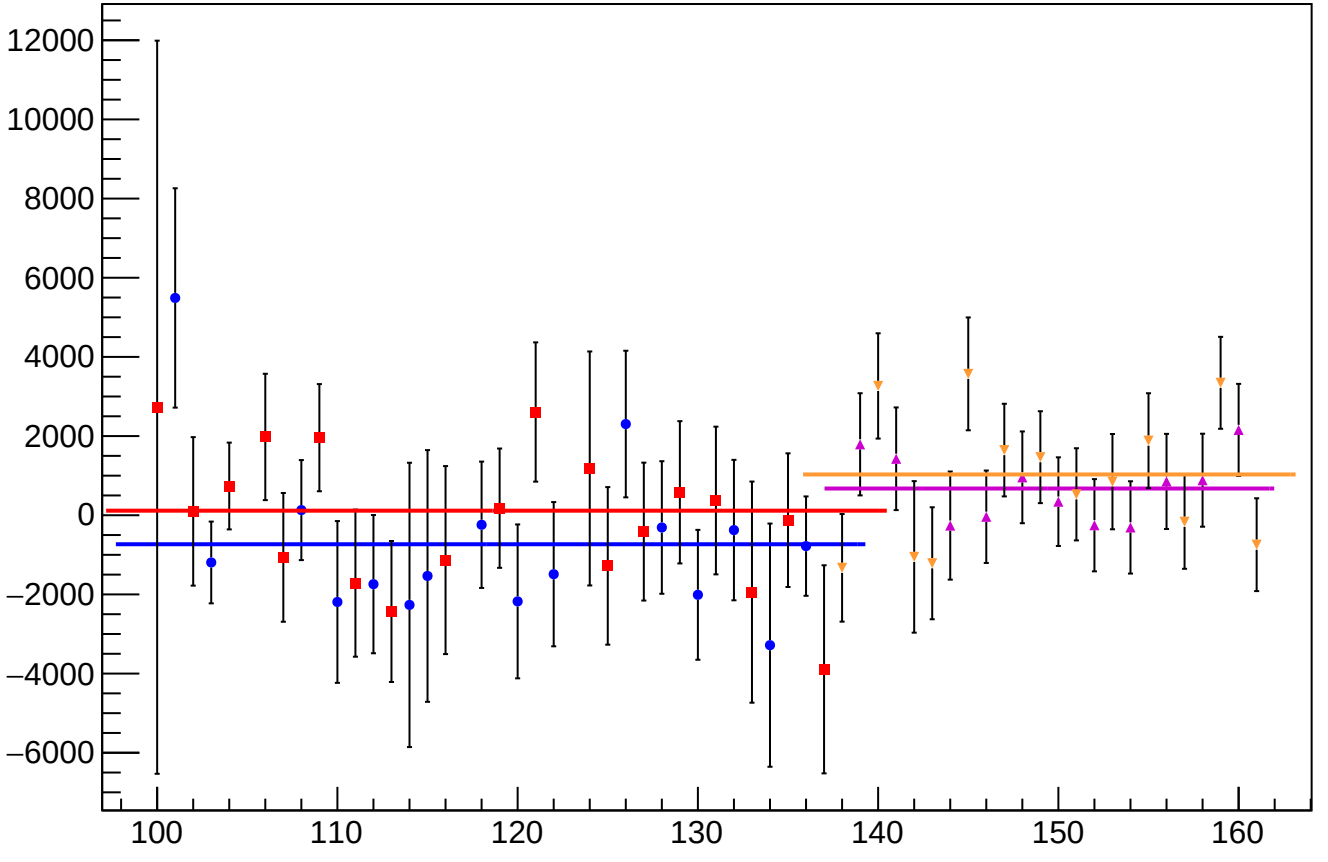
Left In: 3402.260+/-0.791 χ^2/NDF:522455.0/10

+ sign 3284.033+/-0.570 χ^2/NDF: 1676621.0/28

All: 3201.980+/-0.399 χ^2/NDF: 3998081.7/58

- sign 3123.283+/-0.558 χ^2/NDF: 2280875.2/29

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1030.272+/-350.371 χ^2/NDF:21.1/12

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

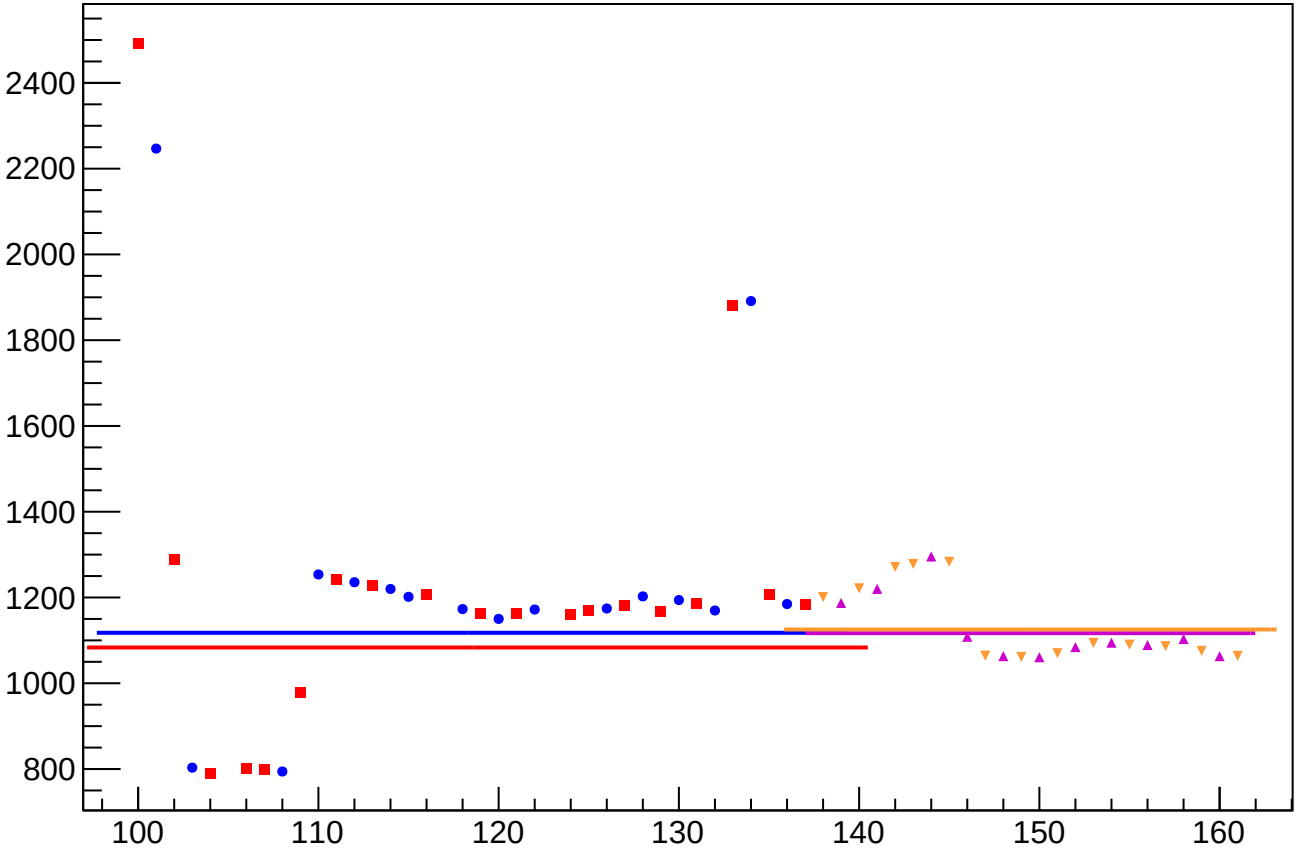
Left In: 675.138+/-361.911 χ^2/NDF:5.1/10

\+ sign 321.667+/-270.957 χ^2/NDF: 43.0/28

All: 376.141+/-191.873 χ^2/NDF: 62.4/58

\- sign 430.931+/-271.743 χ^2/NDF: 19.3/29

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1125.405+/-0.248 χ^2/NDF:106534.1/12

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

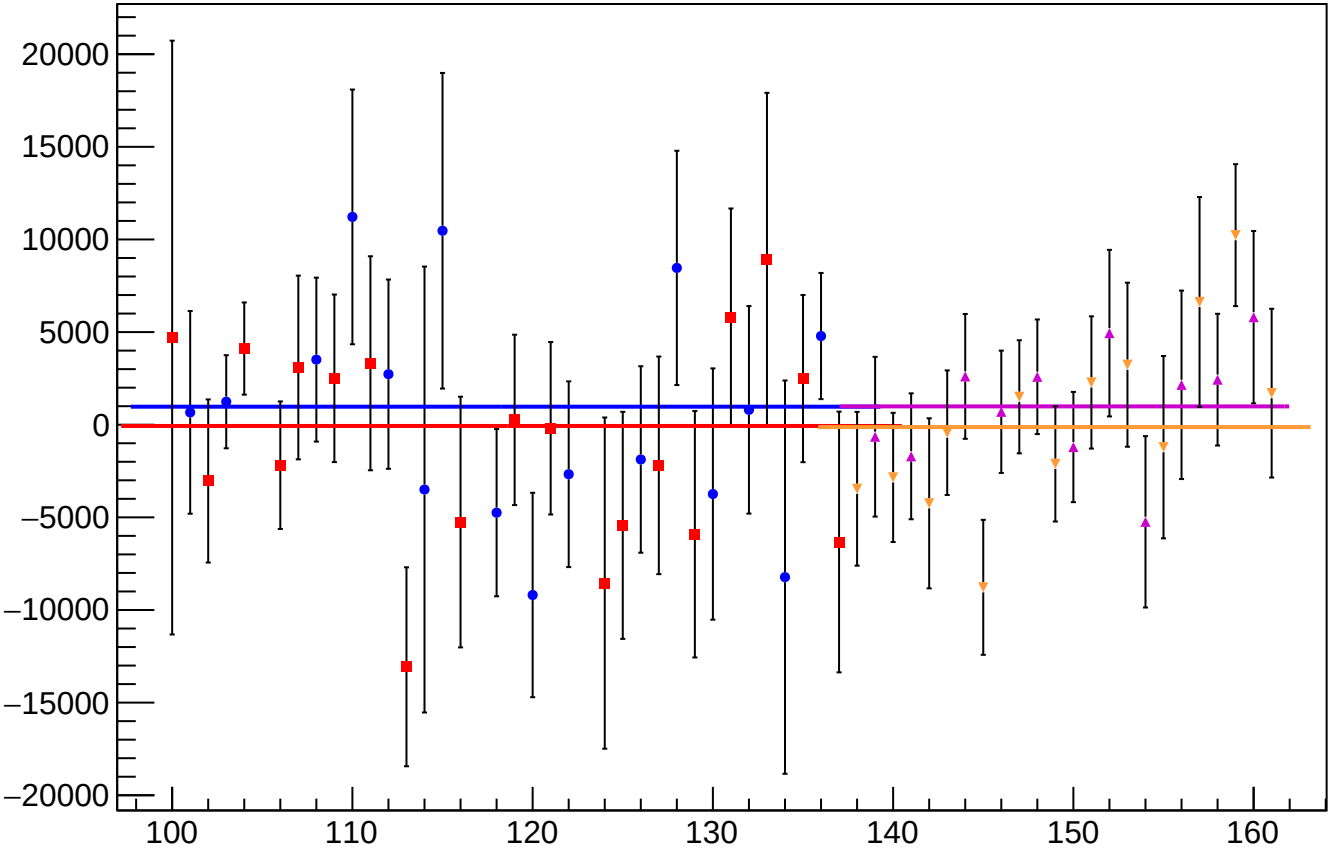
Left In: 1116.859+/-0.256 χ^2/NDF:70245.0/10

+ sign 1122.302+/-0.192 χ^2/NDF: 926756.1/28

All: 1112.292+/-0.136 χ^2/NDF: 1604951.4/58

- sign 1102.241+/-0.192 χ^2/NDF: 672725.4/29

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -126.829+/-1065.727 χ^2/NDF:18.4/12

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

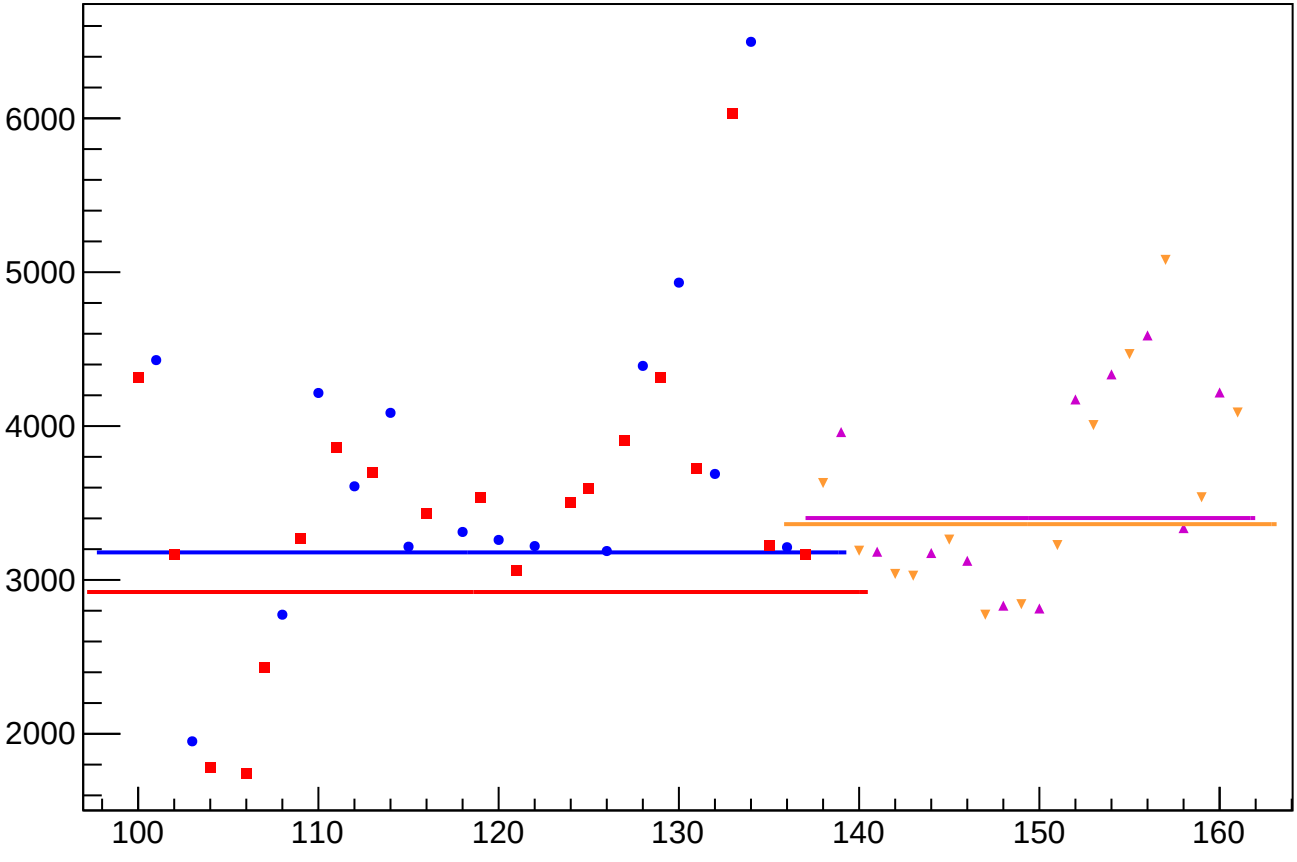
Left In: 989.289+/-1119.349 χ^2/NDF:5.7/10

+ sign 343.671+/-806.232 χ^2/NDF: 32.6/28

All: 407.367+/-567.150 χ^2/NDF: 55.7/58

- sign 469.766+/-797.974 χ^2/NDF: 23.1/29

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3362.626+/-0.754 χ^2/NDF:559513.1/12

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

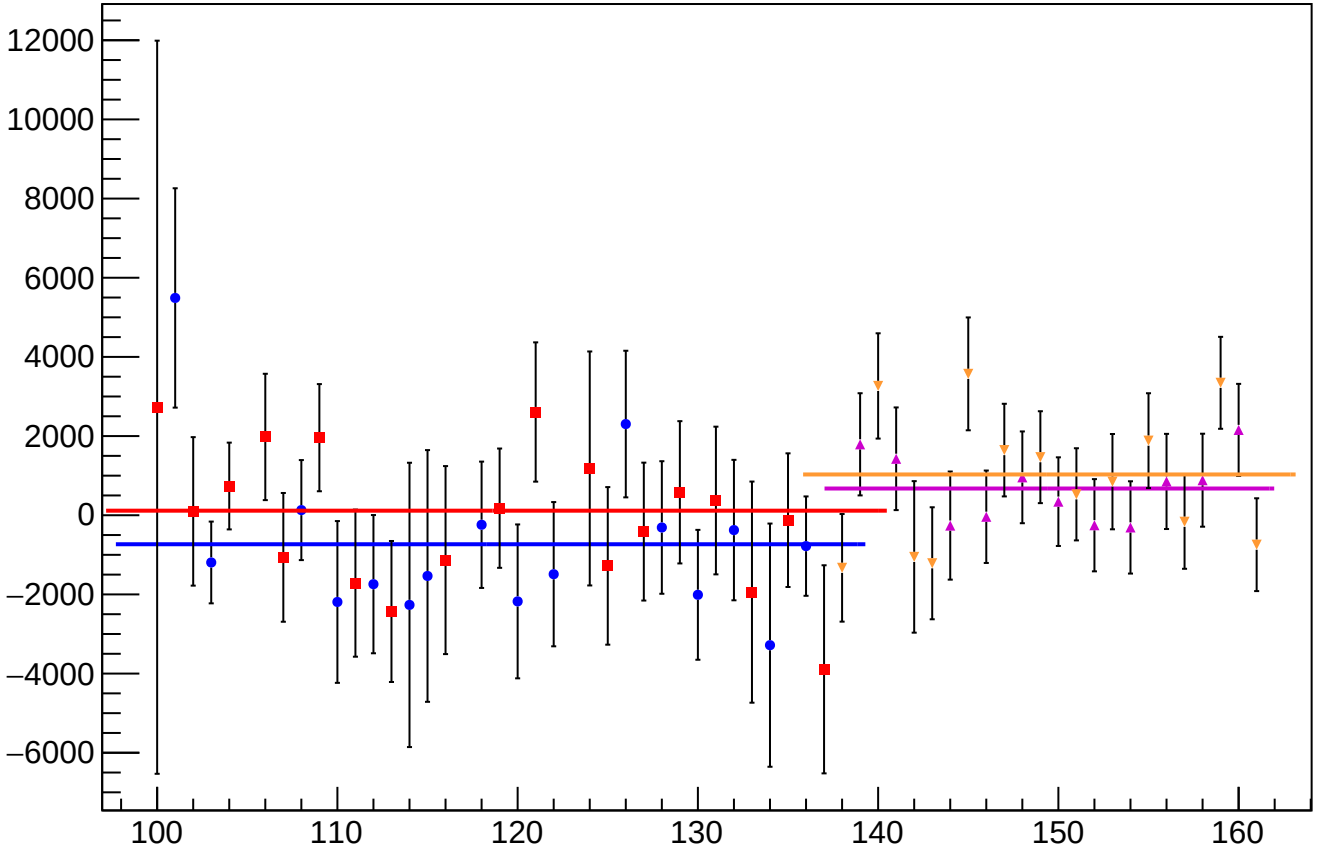
Left In: 3402.260+/-0.791 χ^2/NDF:522457.7/10

+ sign 3284.113+/-0.570 χ^2/NDF: 1676129.0/28

All: 3224.397+/-0.401 χ^2/NDF: 3714530.3/58

- sign 3165.898+/-0.564 χ^2/NDF: 2016680.8/29

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1030.272+/-350.371 χ^2/NDF:21.1/12

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

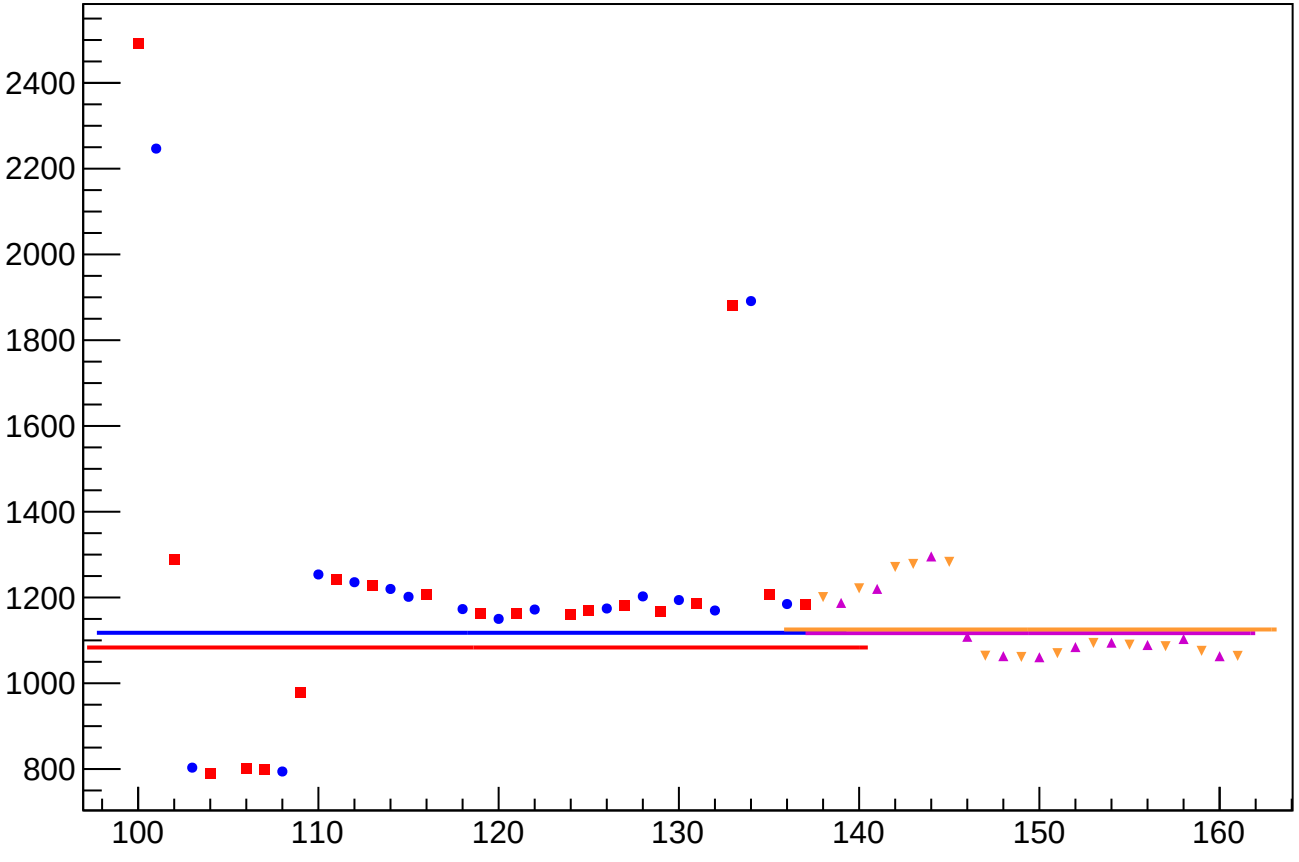
Left In: 675.138+/-361.911 χ^2/NDF:5.1/10

\+ sign 321.667+/-270.957 χ^2/NDF: 43.0/28

All: 376.141+/-191.873 χ^2/NDF: 62.4/58

\- sign 430.931+/-271.743 χ^2/NDF: 19.3/29

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1125.405+/-0.248 χ^2/NDF:106534.1/12

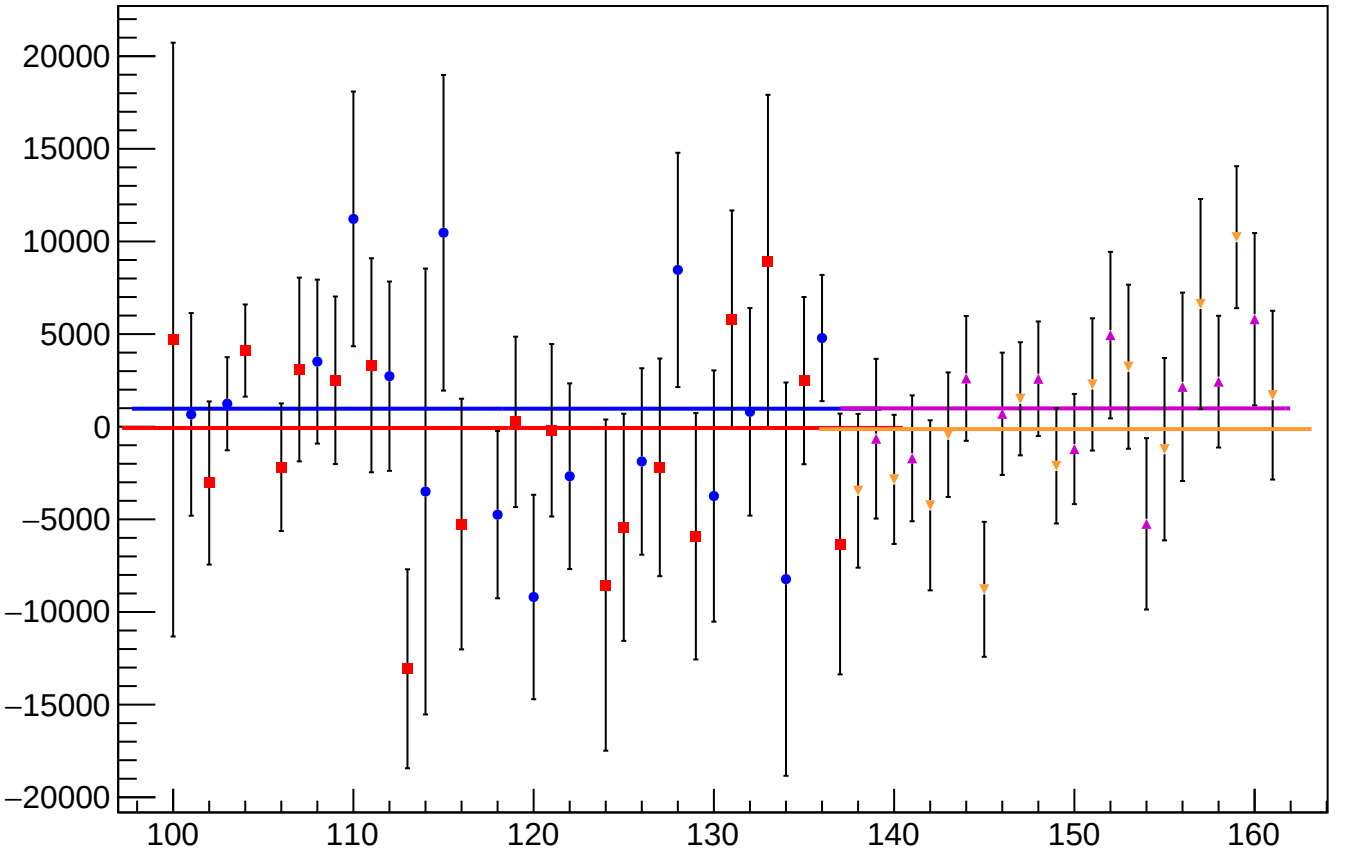
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1116.859+/-0.256 χ^2/NDF:70245.0/10

+ sign 1122.302+/-0.192 χ^2/NDF: 926756.1/28

All: 1112.292+/-0.136 χ^2/NDF: 1604951.4/58

- sign 1102.241+/-0.192 χ^2/NDF: 672725.4/29



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -126.829+/-1065.727 χ^2/NDF:18.4/12

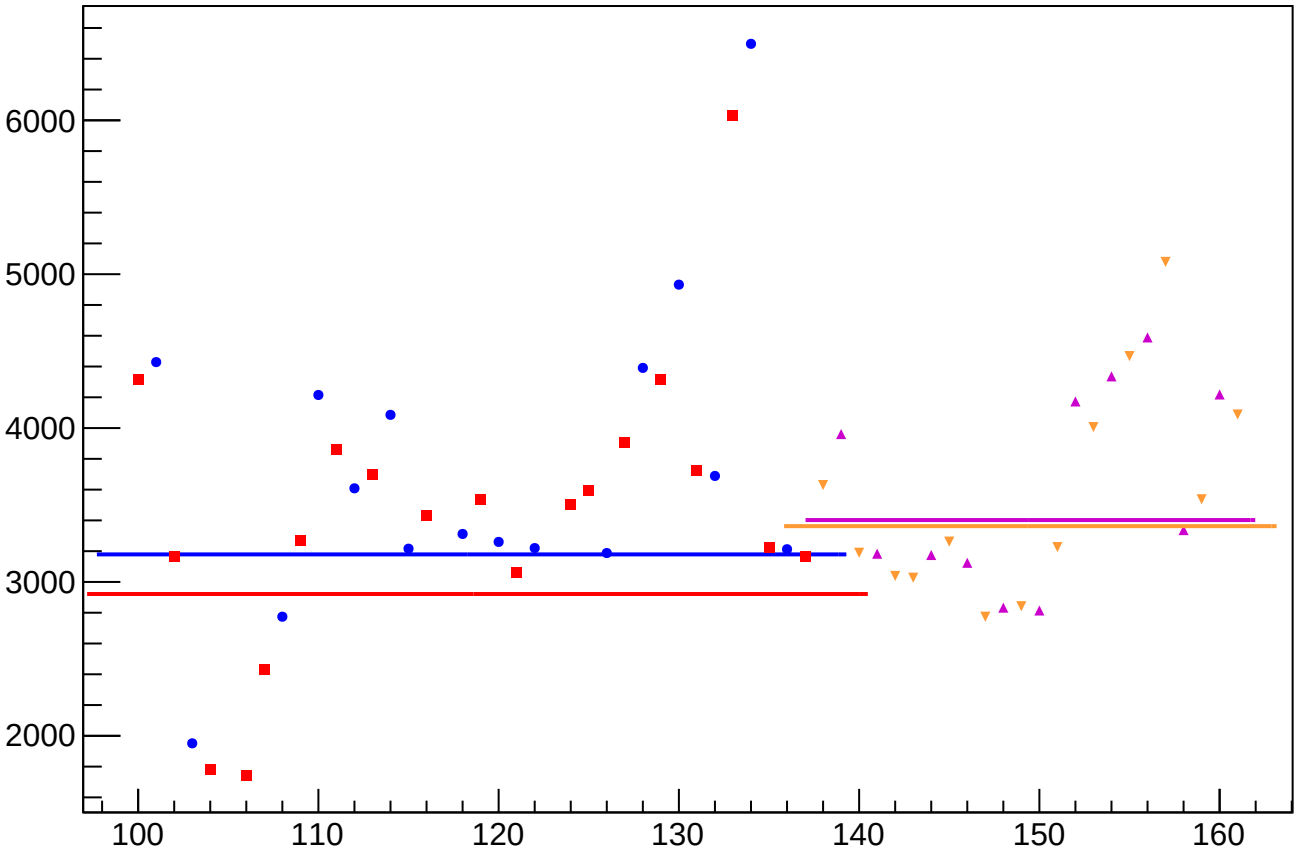
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 989.289+/-1119.349 χ^2/NDF:5.7/10

+ sign 343.671+/-806.232 χ^2/NDF: 32.6/28

All: 407.367+/-567.150 χ^2/NDF: 55.7/58

- sign 469.766+/-797.974 χ^2/NDF: 23.1/29



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3362.626+/-0.754 χ^2/NDF:559513.1/12

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

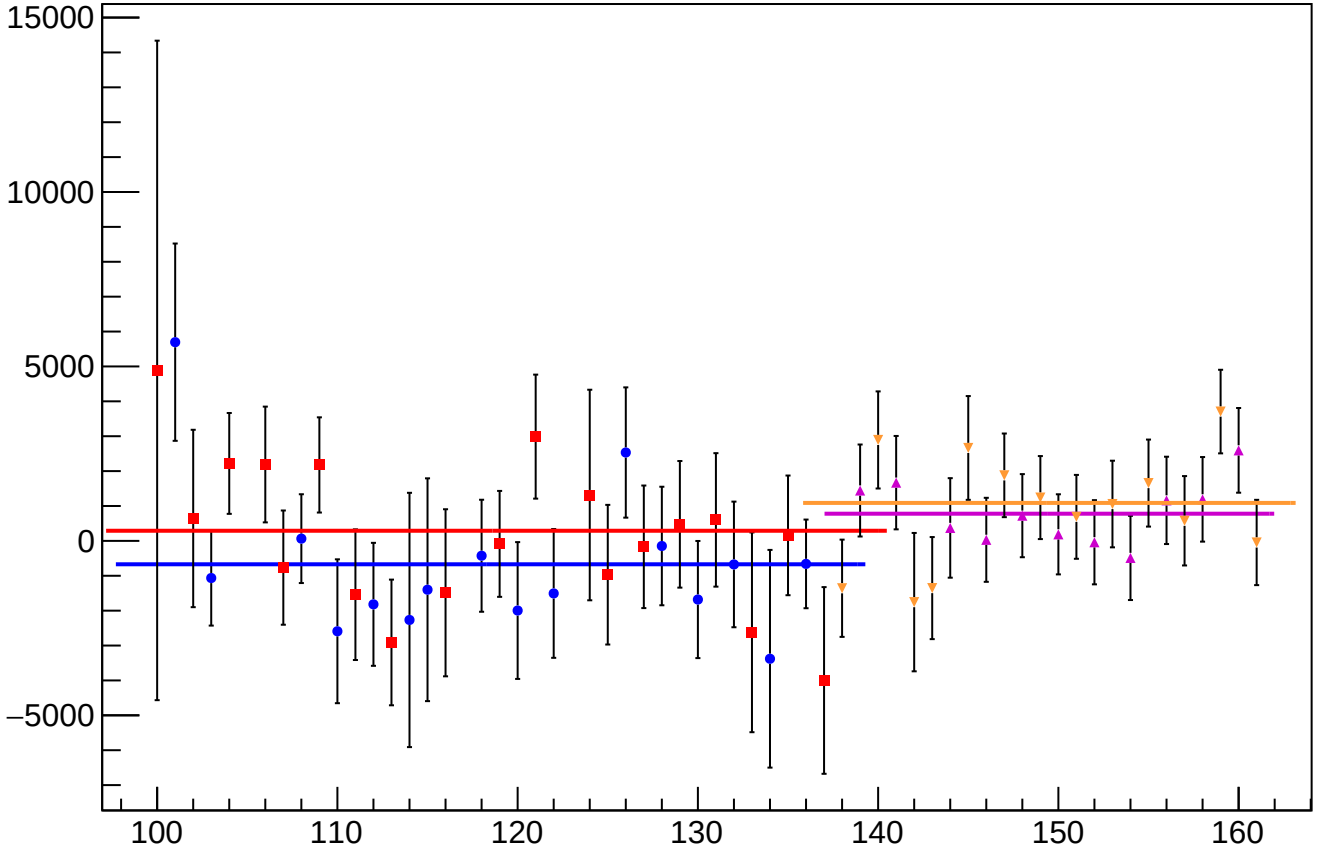
Left In: 3402.260+/-0.791 χ^2/NDF:522457.7/10

+ sign 3284.113+/-0.570 χ^2/NDF: 1676129.0/28

All: 3224.397+/-0.401 χ^2/NDF: 3714530.3/58

- sign 3165.898+/-0.564 χ^2/NDF: 2016680.8/29

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 1088.269+/-363.545 χ^2/NDF:17.3/12

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

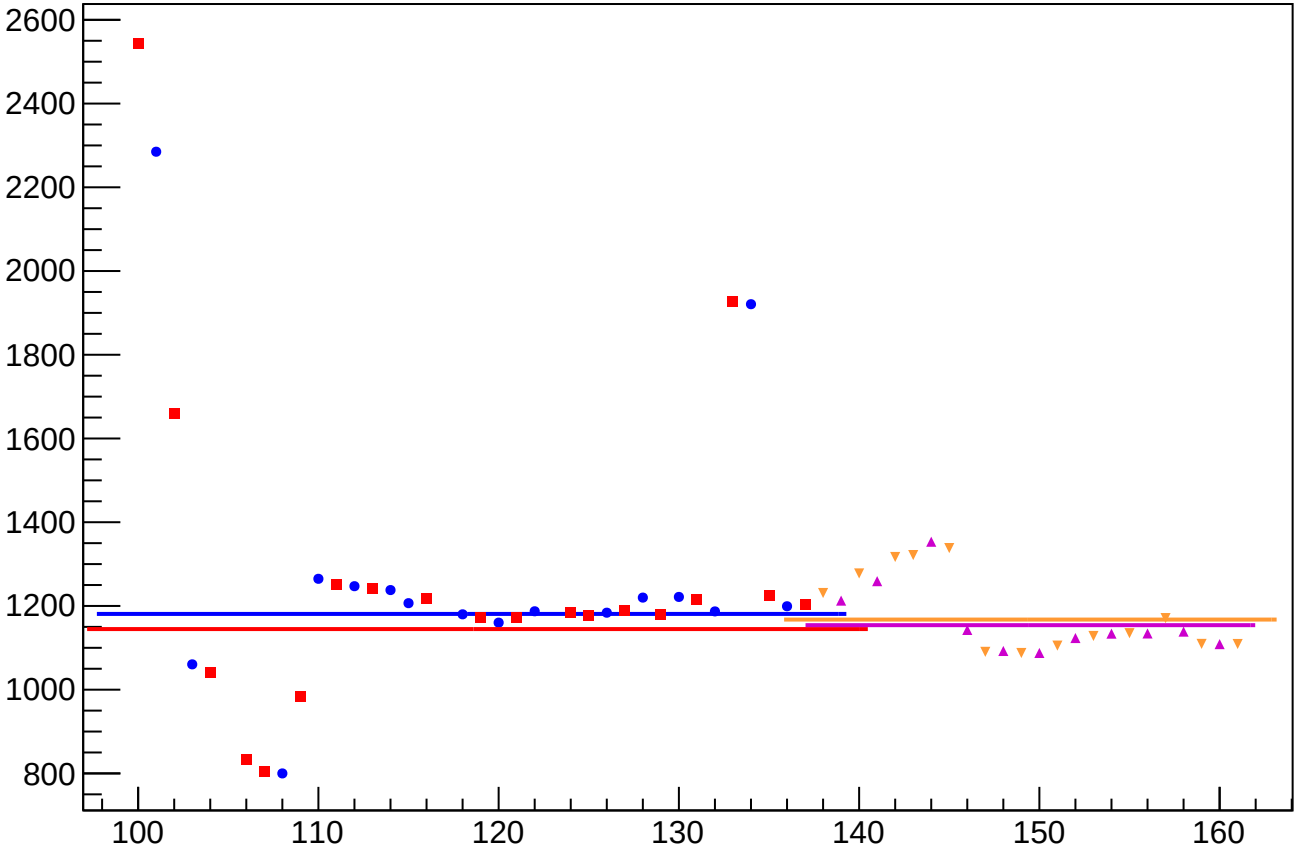
Left In: 779.008+/-374.027 χ^2/NDF:5.4/10

\+ sign 390.765+/-282.418 χ^2/NDF: 38.4/28

All: 480.539+/-200.062 χ^2/NDF: 61.7/58

\- sign 570.967+/-283.446 χ^2/NDF: 23.1/29

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1167.470+/-0.257 χ^2/NDF:111884.1/12

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

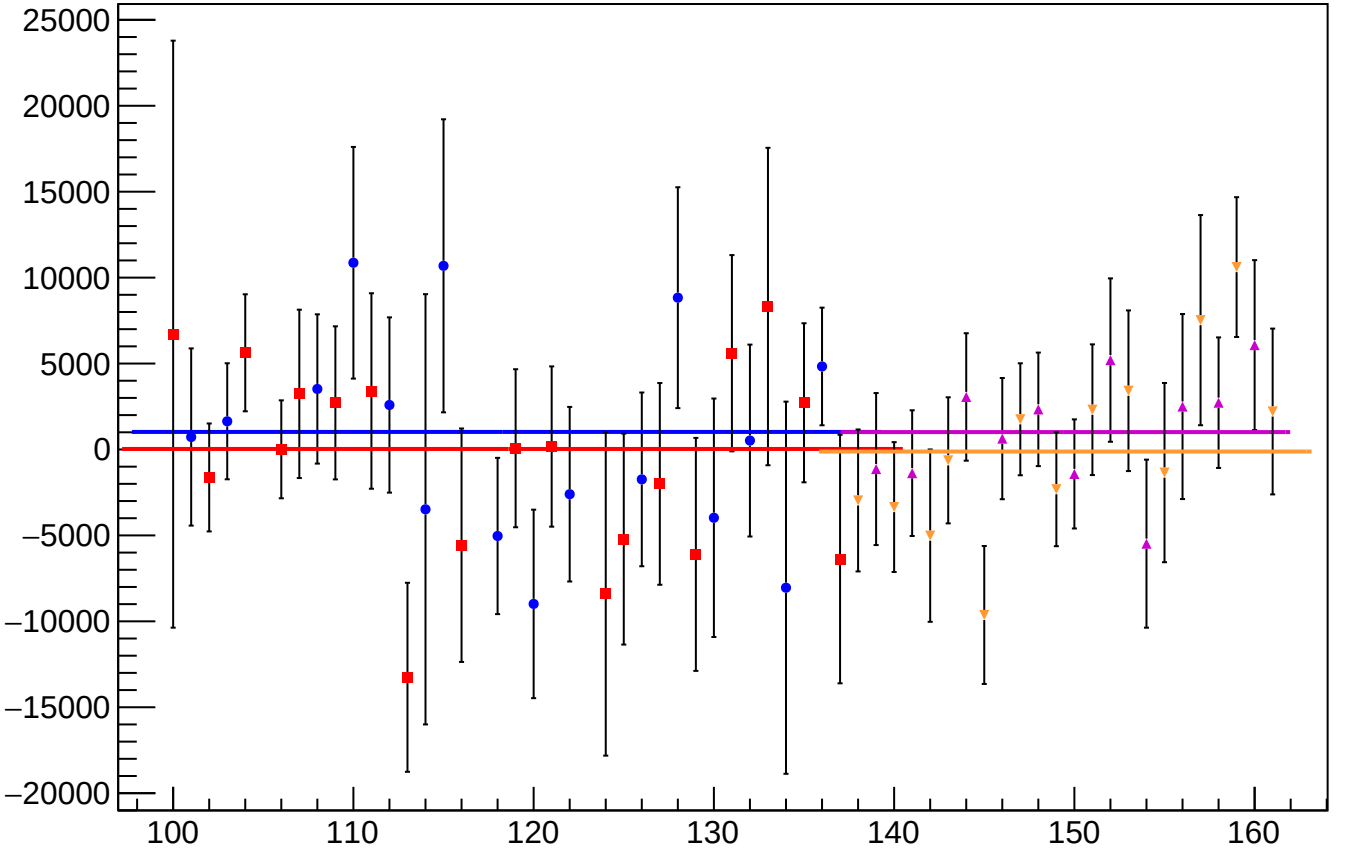
Left In: 1154.107+/-0.264 χ^2/NDF:73011.5/10

+ sign 1172.817+/-0.200 χ^2/NDF: 734854.0/28

All: 1161.514+/-0.141 χ^2/NDF: 1312555.5/58

- sign 1150.133+/-0.200 χ^2/NDF: 571272.2/29

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -120.134+/-1138.251 χ^2/NDF:18.4/12

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

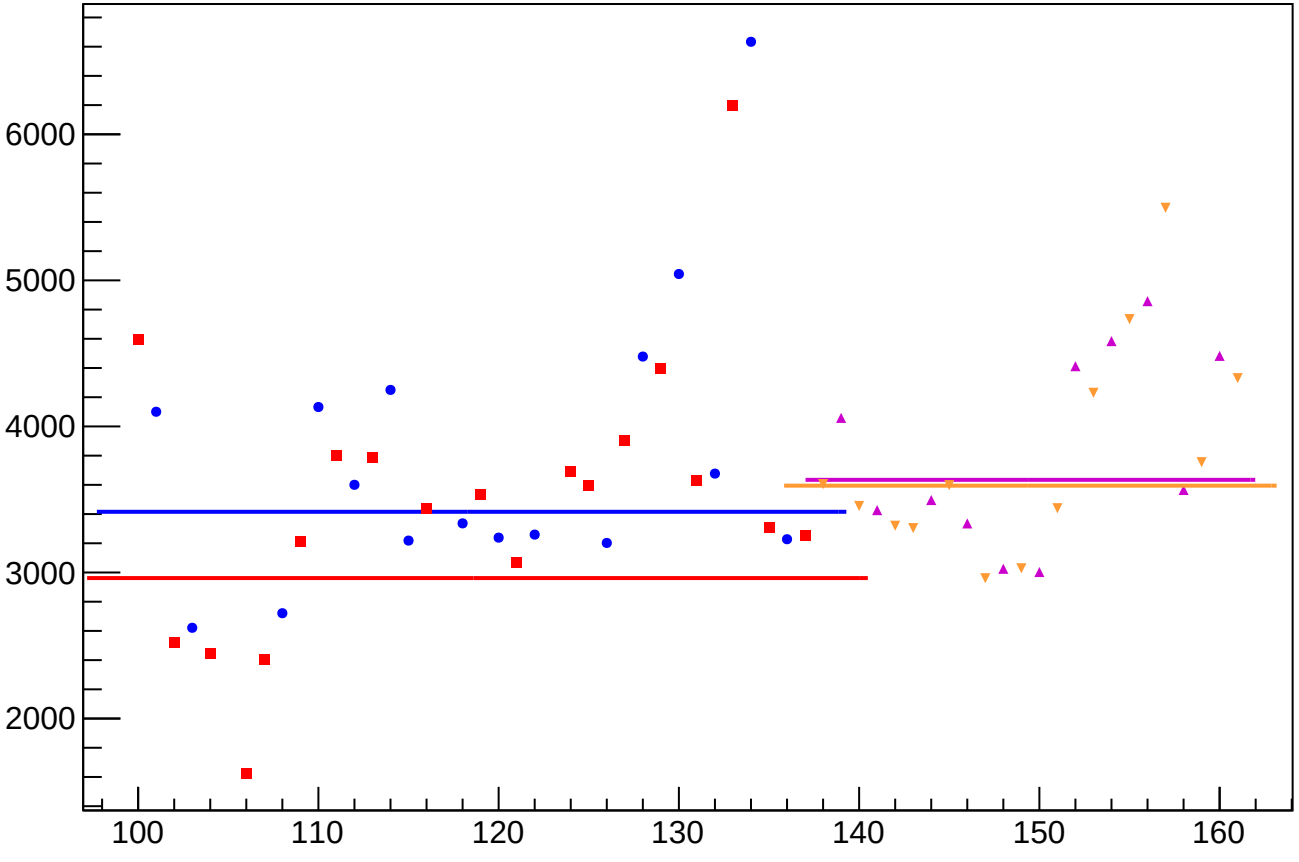
Left In: 1012.177+/-1194.551 χ^2/NDF:5.6/10

+ sign 374.037+/-857.070 χ^2/NDF: 32.7/28

All: 436.701+/-592.947 χ^2/NDF: 54.8/58

- sign 494.228+/-821.187 χ^2/NDF: 22.1/29

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3594.493+/-0.805 χ^2/NDF:534340.4/12

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

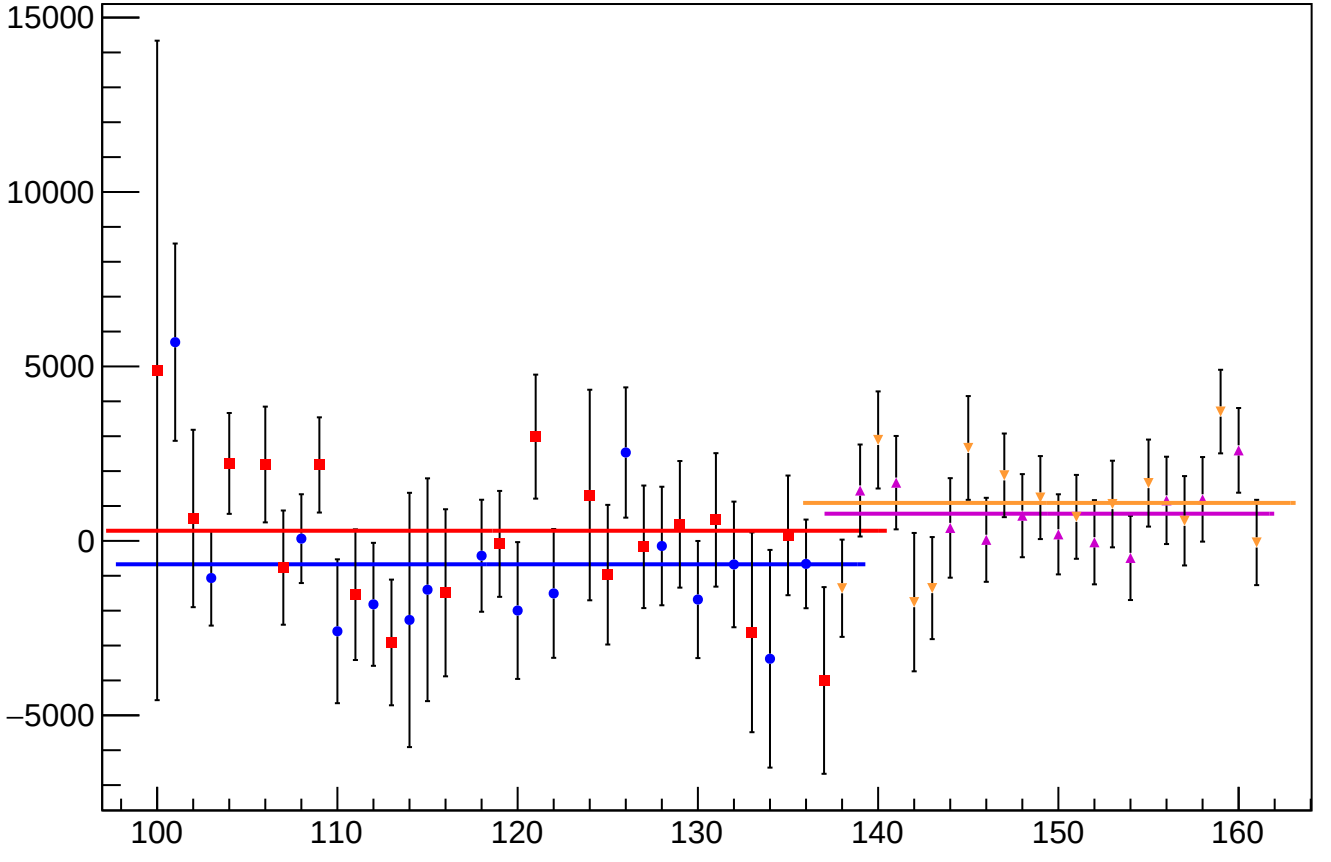
Left In: 3634.363+/-0.845 χ^2/NDF:480930.6/10

+ sign 3517.024+/-0.606 χ^2/NDF: 1148078.3/28

All: 3393.258+/-0.419 χ^2/NDF: 3212643.7/58

- sign 3279.639+/-0.581 χ^2/NDF: 1984572.4/29

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 1088.277+/-363.545 χ^2/NDF:17.3/12

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

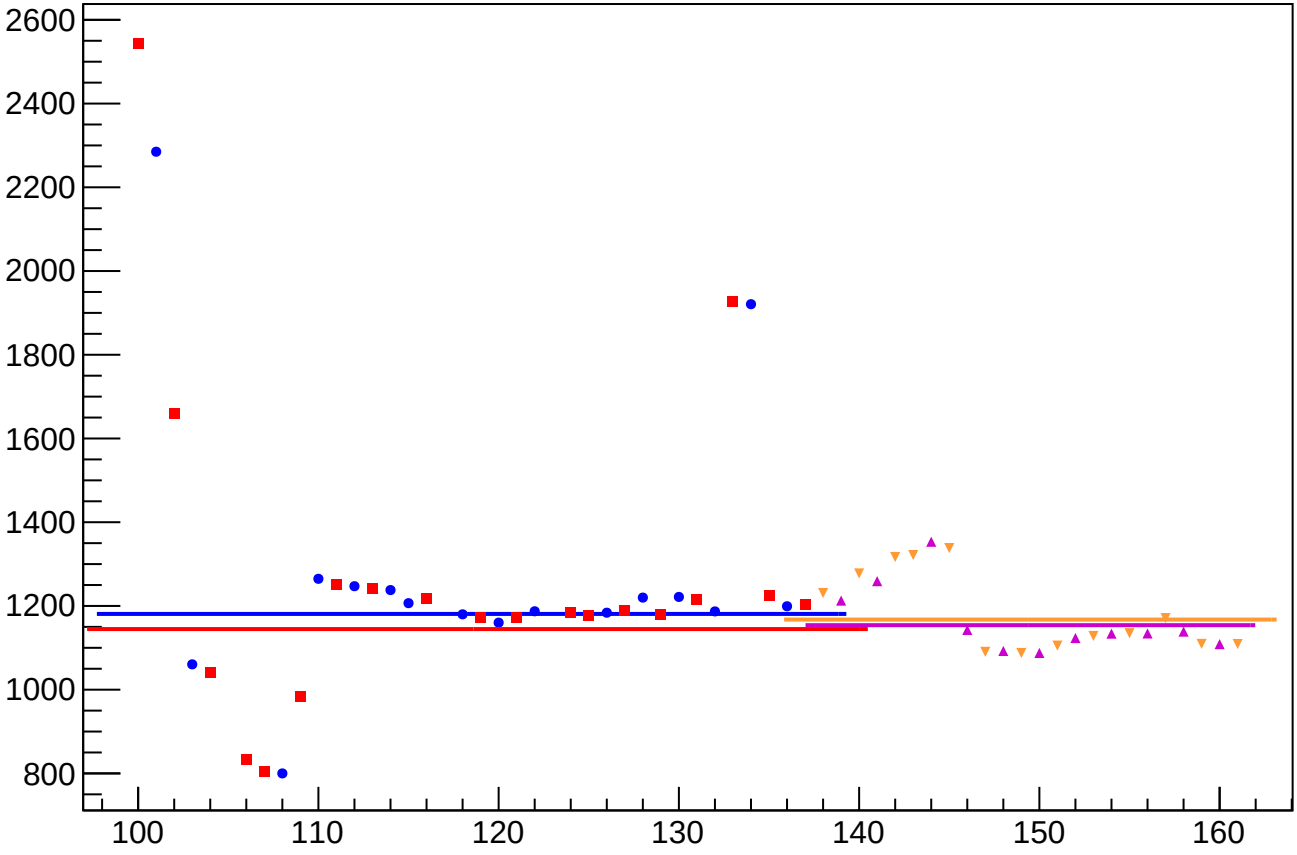
Left In: 779.007+/-374.027 χ^2/NDF:5.4/10

\+ sign 390.768+/-282.418 χ^2/NDF: 38.4/28

All: 480.541+/-200.062 χ^2/NDF: 61.7/58

\- sign 570.968+/-283.446 χ^2/NDF: 23.1/29

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1167.470+/-0.257 χ^2/NDF:111884.0/12

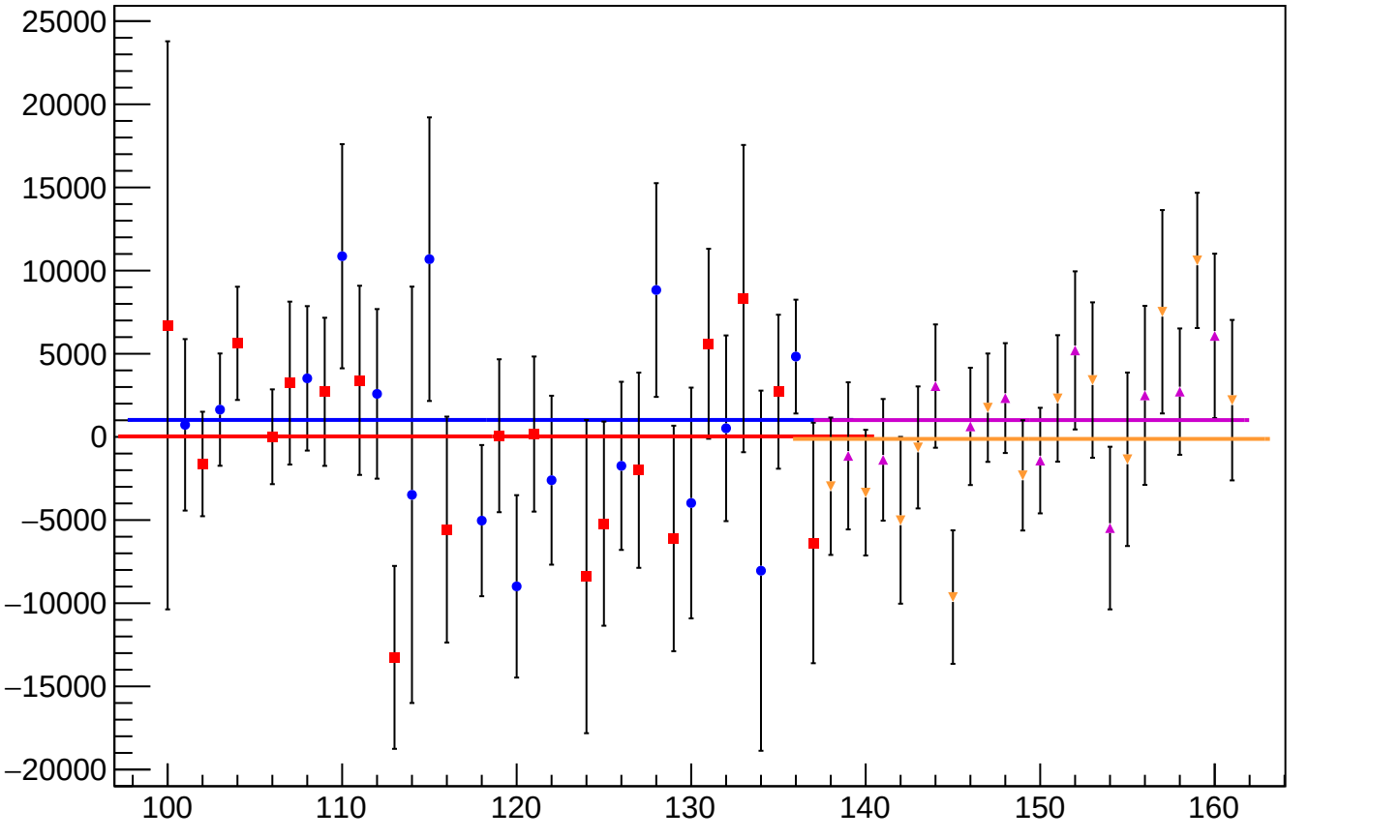
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1154.107+/-0.264 χ^2/NDF:73011.0/10

+ sign 1172.817+/-0.200 χ^2/NDF: 734854.0/28

All: 1161.514+/-0.141 χ^2/NDF: 1312554.6/58

- sign 1150.133+/-0.200 χ^2/NDF: 571271.4/29



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -120.132+/-1138.253 χ^2/NDF:18.4/12

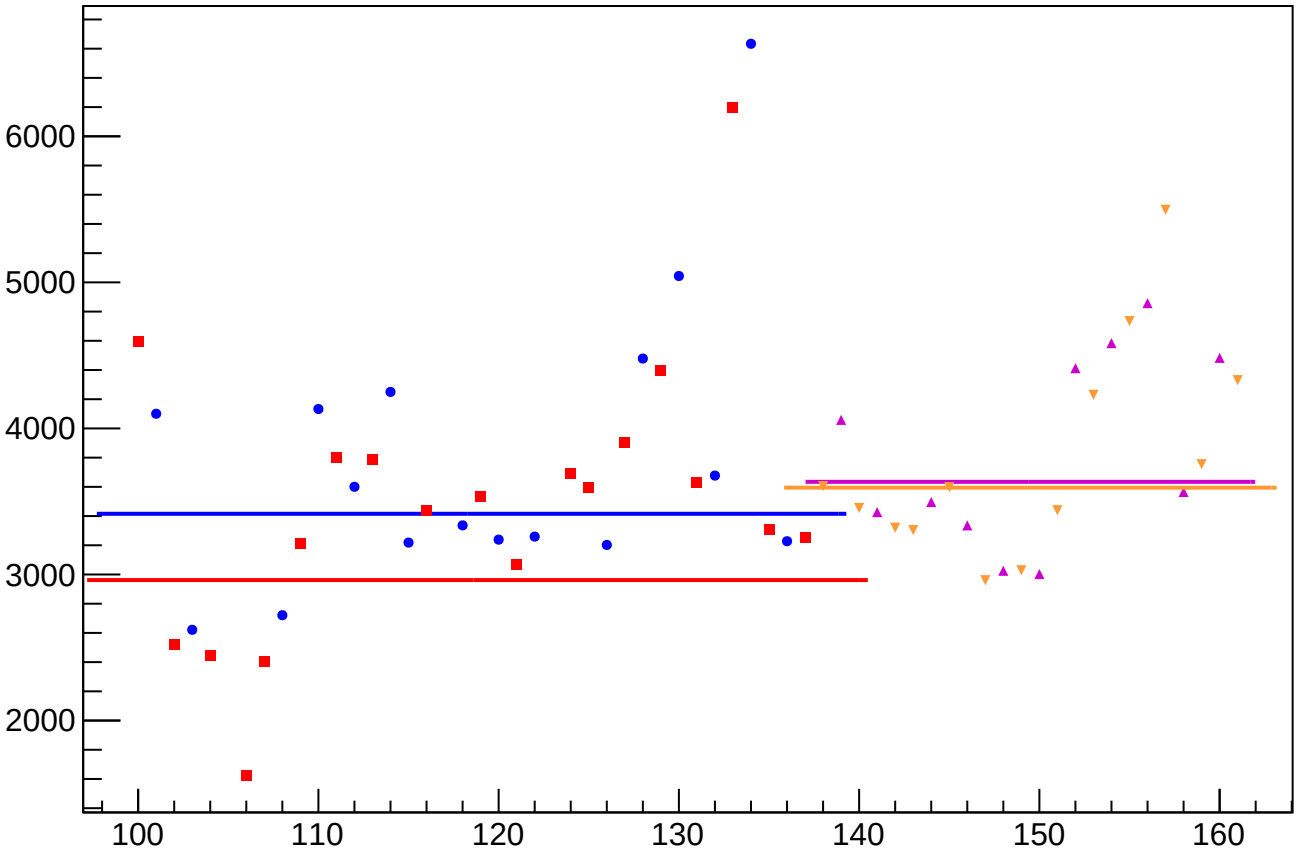
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 1012.175+/-1194.553 χ^2/NDF:5.6/10

\+ sign 374.032+/-857.070 χ^2/NDF: 32.7/28

All: 436.699+/-592.947 χ^2/NDF: 54.8/58

\- sign 494.229+/-821.187 χ^2/NDF: 22.1/29



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3594.498+/-0.805 χ^2/NDF:534337.6/12

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

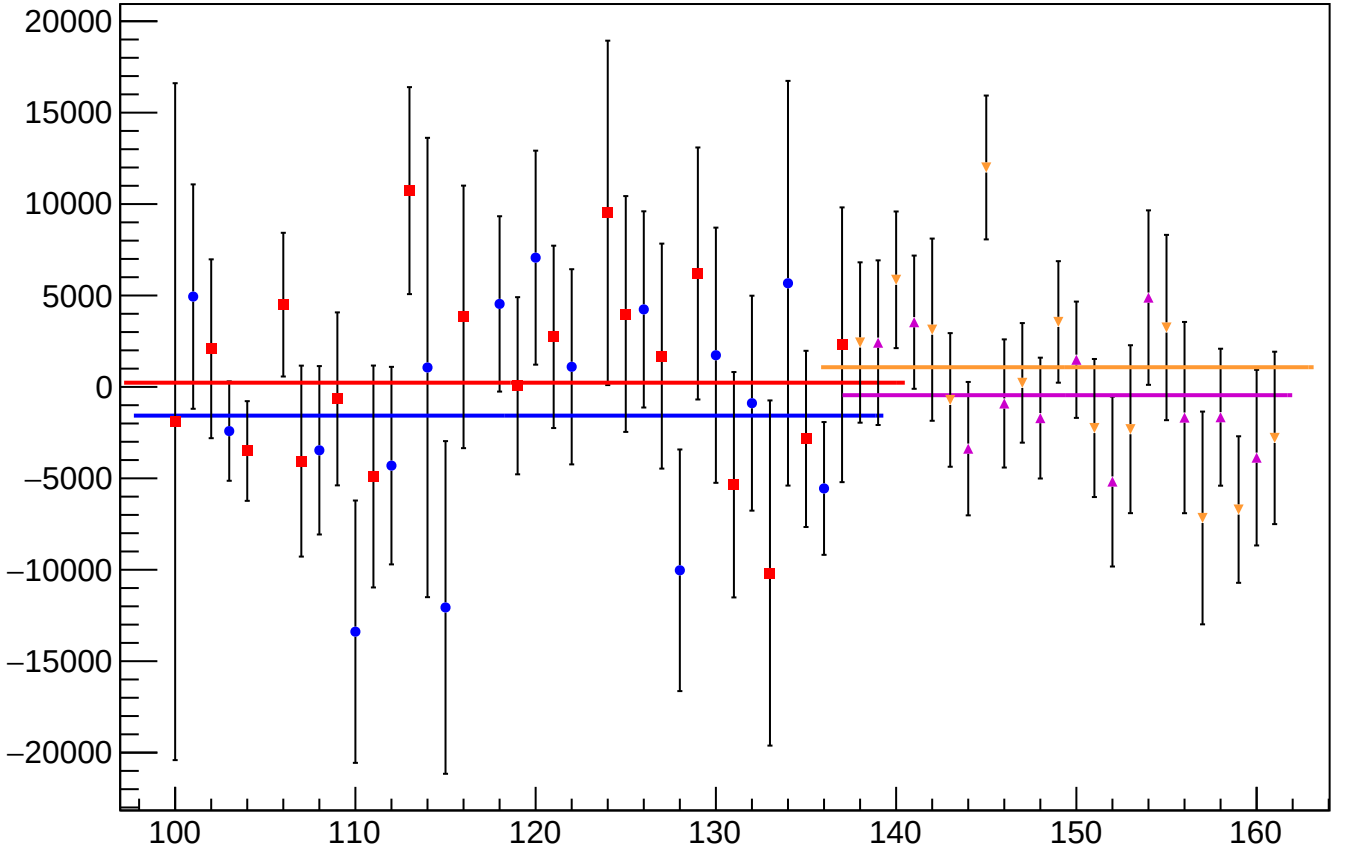
Left In: 3634.367+/-0.845 χ^2/NDF:480927.0/10

+ sign 3517.025+/-0.606 χ^2/NDF: 1148072.5/28

All: 3393.258+/-0.419 χ^2/NDF: 3212644.6/58

- sign 3279.637+/-0.581 χ^2/NDF: 1984577.6/29

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 1077.387+/-1131.714 χ^2/NDF:18.4/12

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

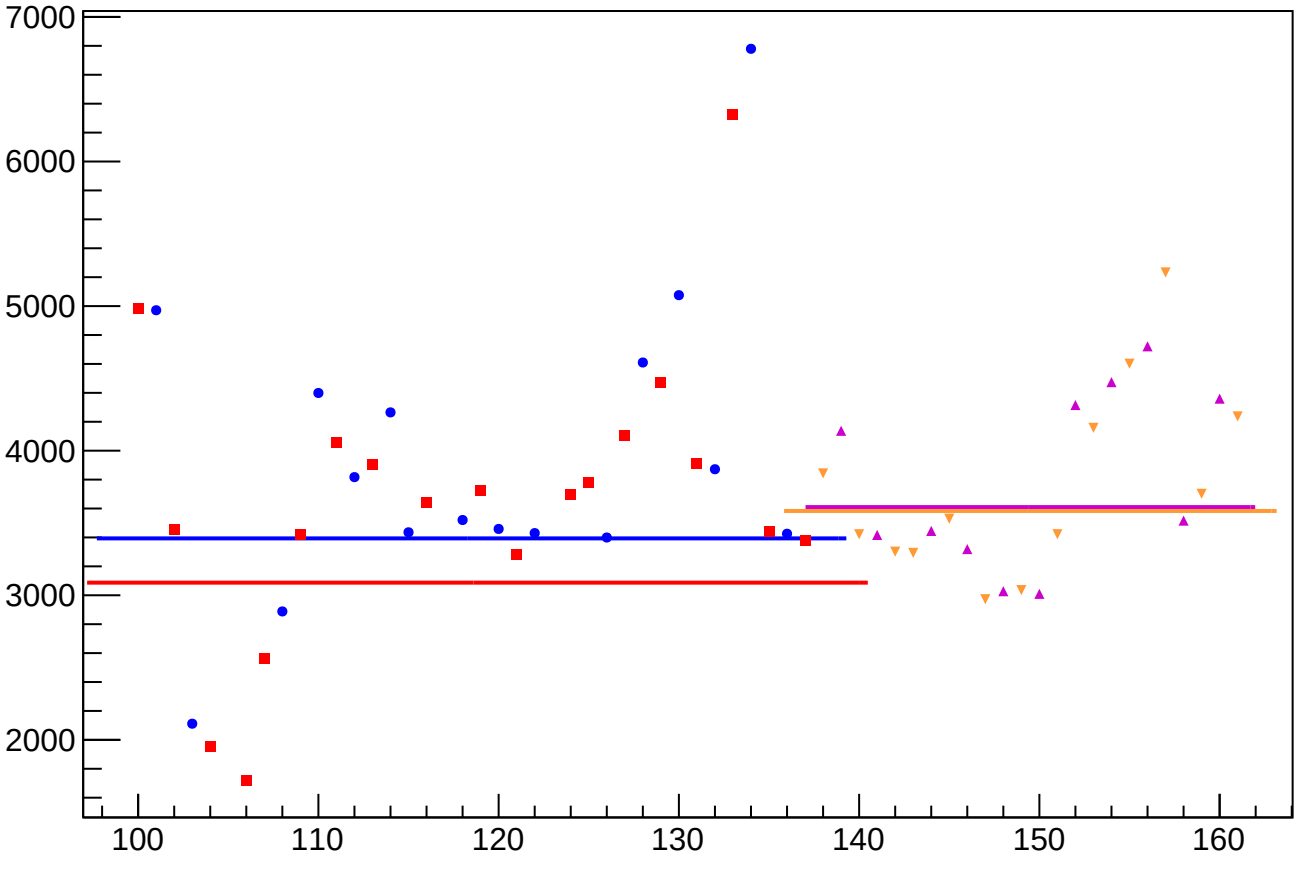
Left In: -452.280+/-1184.211 χ^2/NDF:5.7/10

+ sign -51.046+/-857.213 χ^2/NDF: 35.2/28

All: -86.750+/-604.000 χ^2/NDF: 54.4/58

- sign -121.955+/-851.189 χ^2/NDF: 19.1/29

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3583.149+/-0.800 χ^2/NDF:470819.5/12

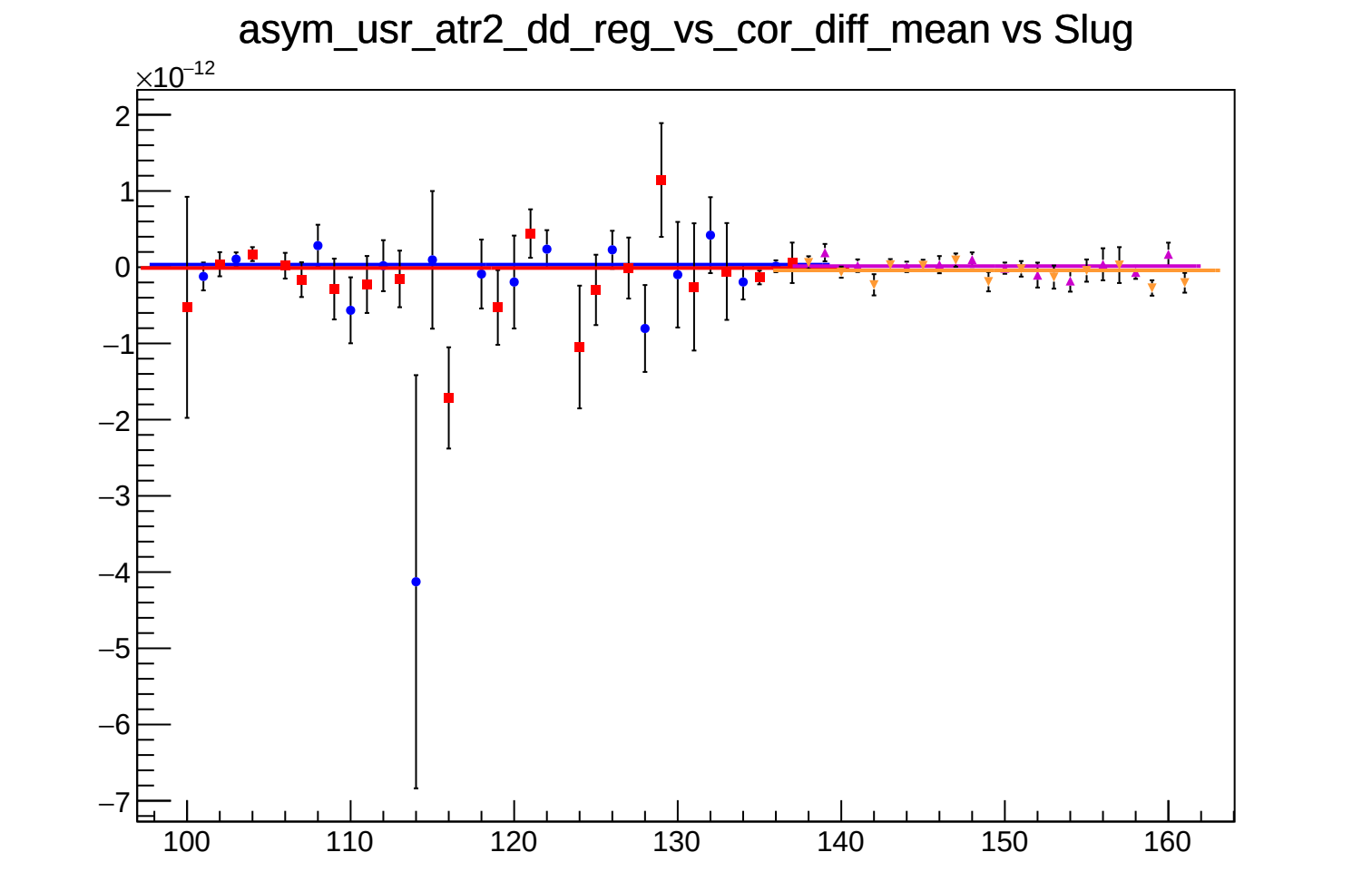
Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

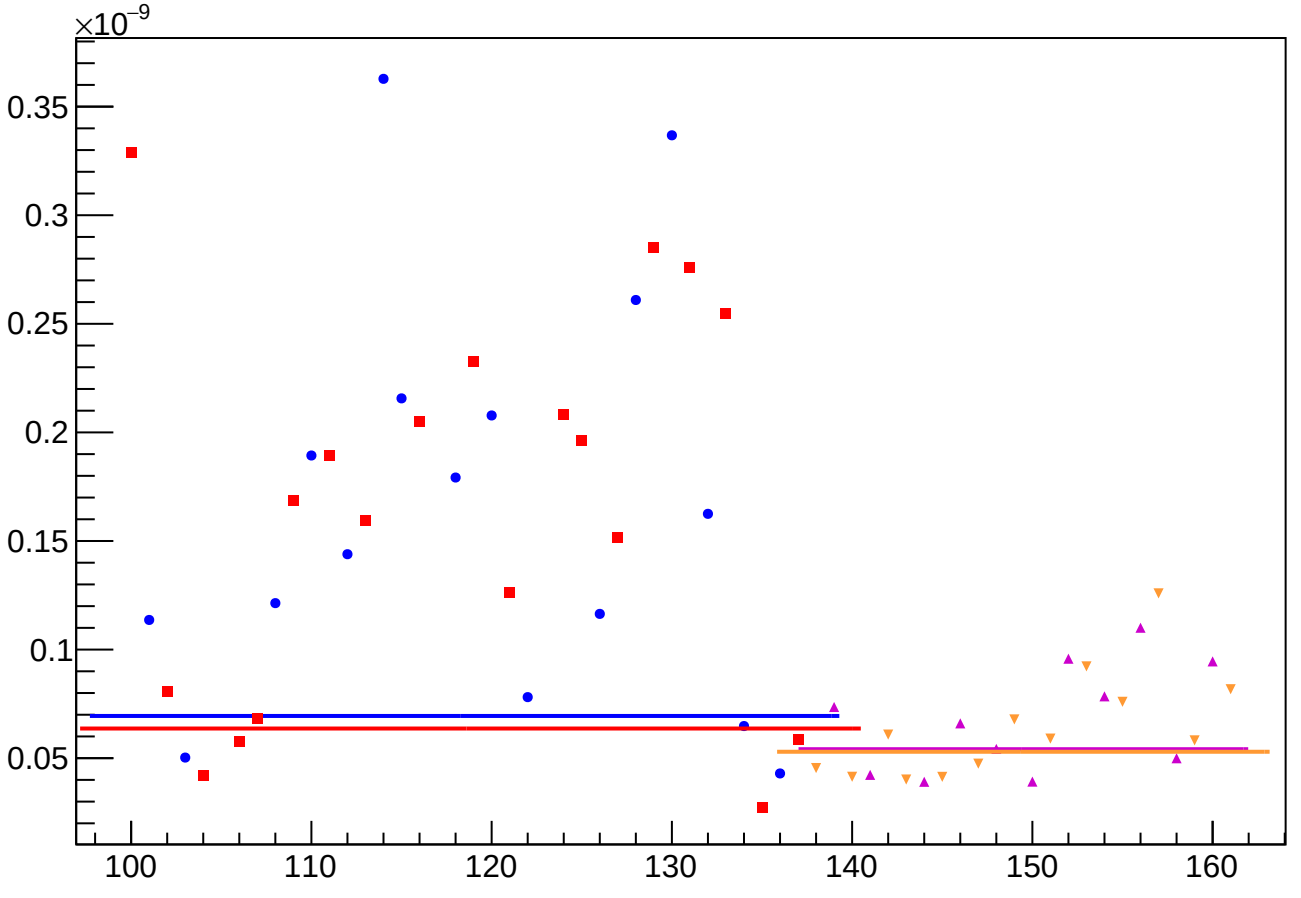
Left In: 3609.919+/-0.837 χ^2/NDF:436291.9/10

+ sign 3502.249+/-0.606 χ^2/NDF: 1543502.4/28

All: 3426.434+/-0.425 χ^2/NDF: 3530531.6/58

- sign 3352.902+/-0.597 χ^2/NDF: 1956211.4/29


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
−5
−6
−7
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:16.0/12
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/18
Left In: 0.000+/-0.000 χ²/NDF:7.8/10
+ sign -0.000+/-0.000 χ²/NDF: 29.6/28
All: -0.000+/-0.000 χ²/NDF: 60.3/58
- sign 0.000+/-0.000 χ²/NDF: 29.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:698799.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

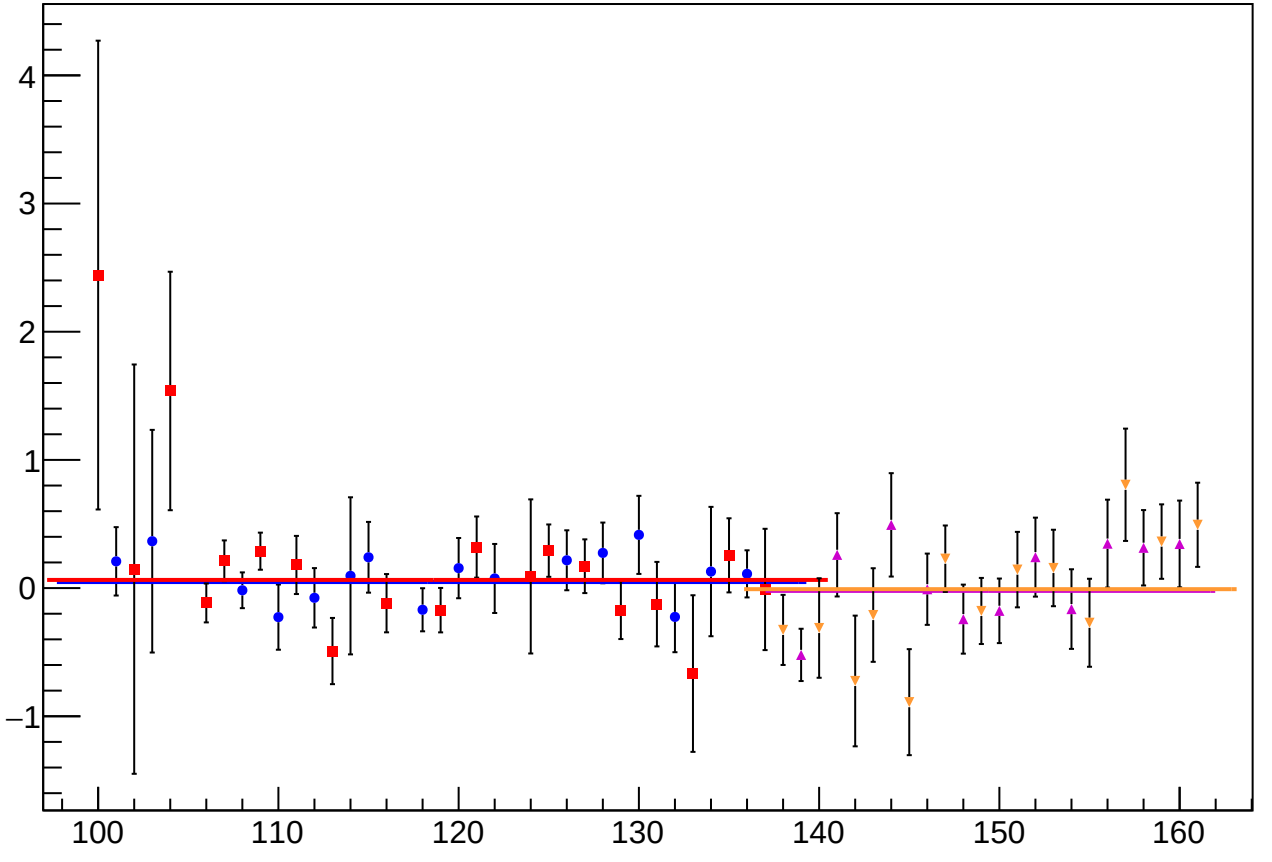
Left In: 0.000+/-0.000 χ^2/NDF:776763.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 2599613.6/28

All: 0.000+/-0.000 χ^2/NDF: 5680746.9/58

- sign 0.000+/-0.000 χ^2/NDF: 3081003.7/29

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: -0.008+/-0.090 χ^2/NDF:18.6/12

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

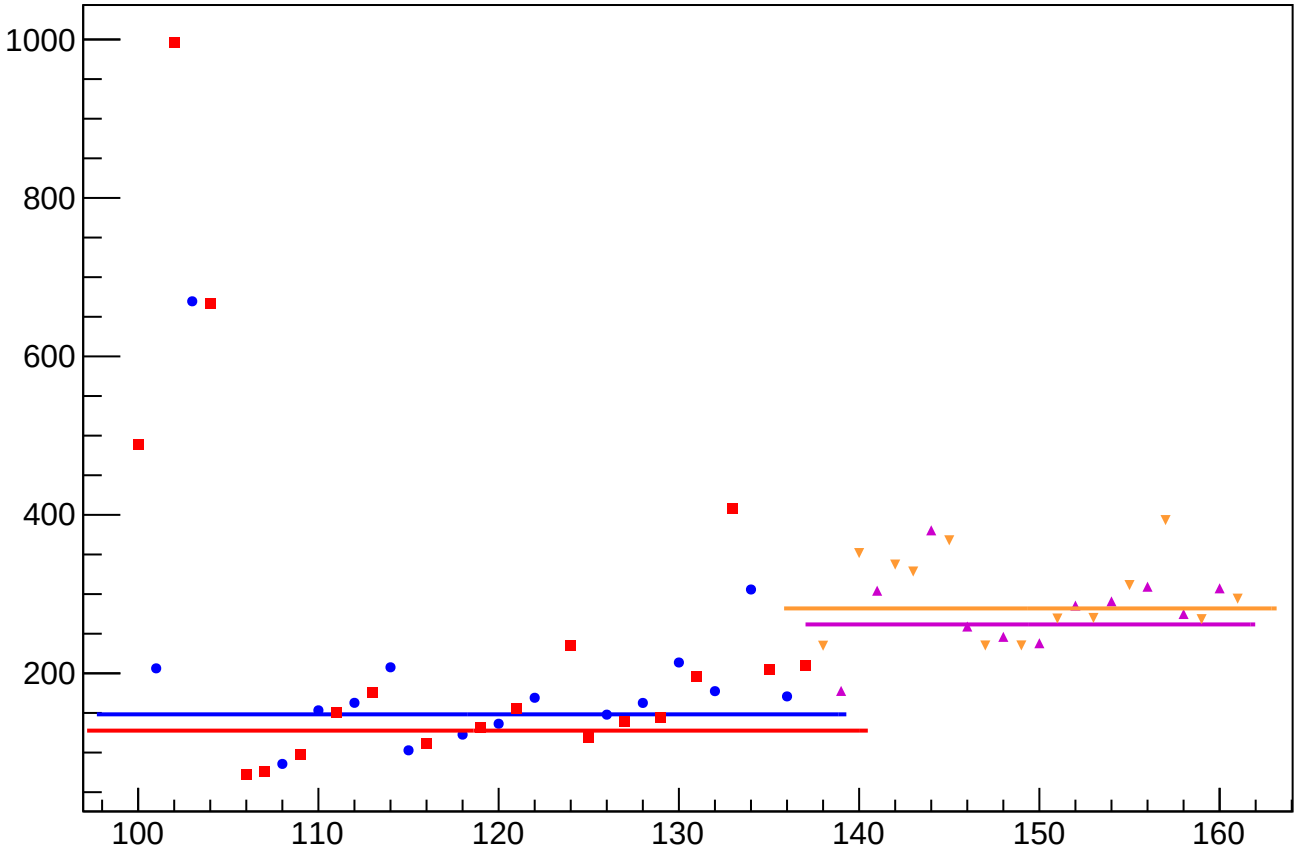
Left In: -0.022+/-0.087 χ^2/NDF:14.0/10

+ sign 0.030+/-0.050 χ^2/NDF: 27.5/28

All: 0.035+/-0.034 χ^2/NDF: 64.4/58

- sign 0.040+/-0.046 χ^2/NDF: 36.9/29

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: 281.913+/-0.063 χ^2/NDF:555834.8/12

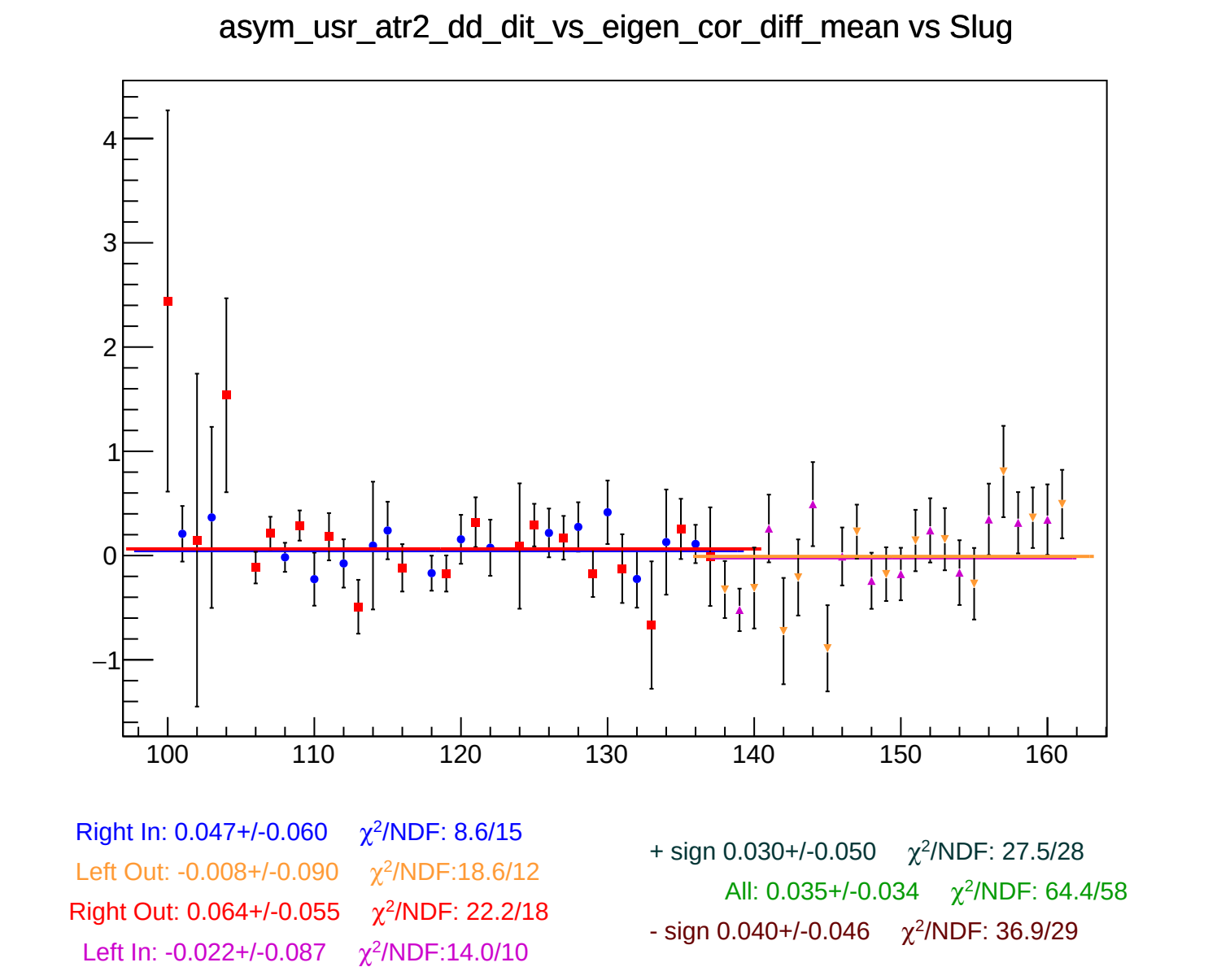
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

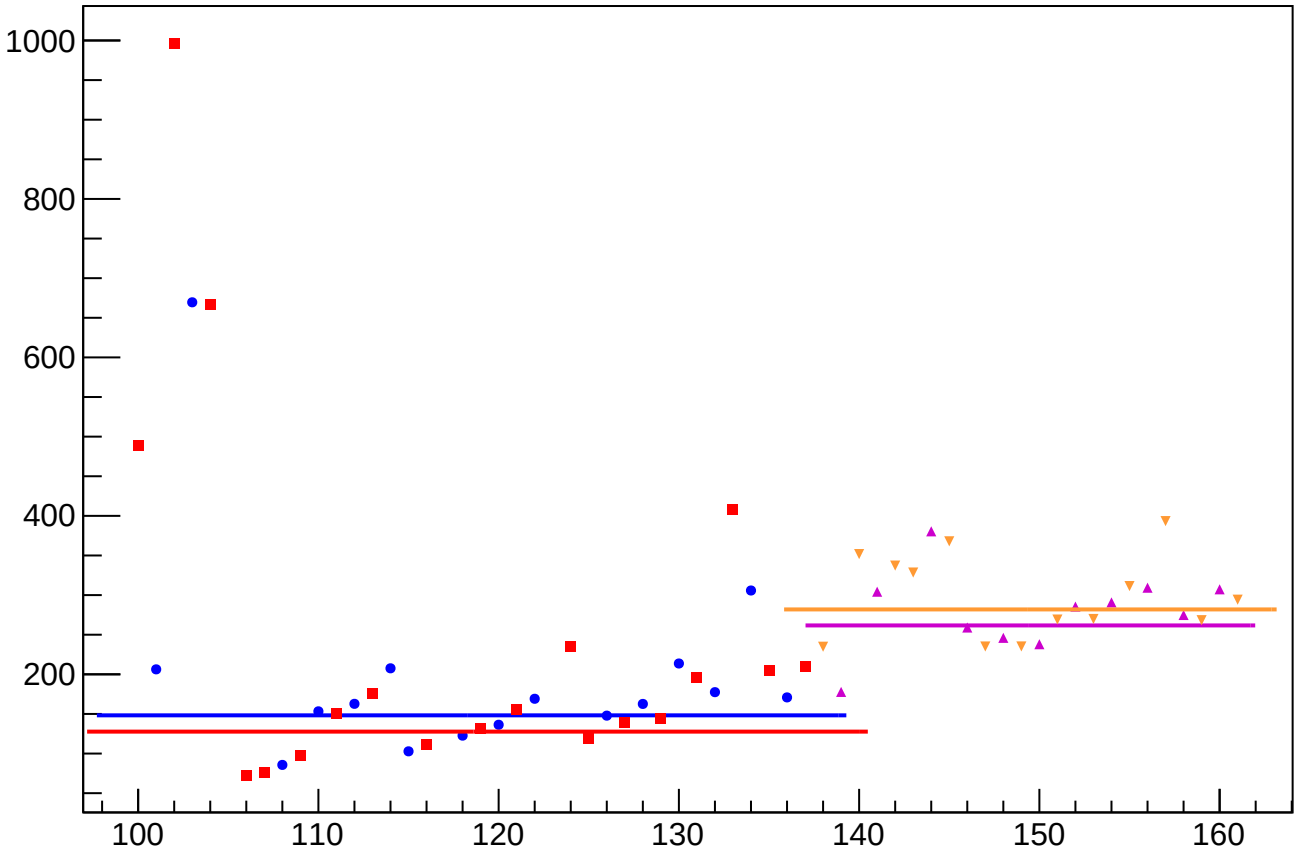
Left In: 261.715+/-0.062 χ^2/NDF:679221.9/10

+ sign 189.695+/-0.035 χ^2/NDF: 5341501.0/28

All: 176.741+/-0.024 χ^2/NDF: 12512188.4/58

- sign 165.571+/-0.033 χ^2/NDF: 6919259.0/29


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.008+/-0.090 χ²/NDF:18.6/12
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.022+/-0.087 χ²/NDF:14.0/10
+ sign 0.030+/-0.050 χ²/NDF: 27.5/28
All: 0.035+/-0.034 χ²/NDF: 64.4/58
- sign 0.040+/-0.046 χ²/NDF: 36.9/29



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 281.913+/-0.063 χ^2/NDF:555834.8/12

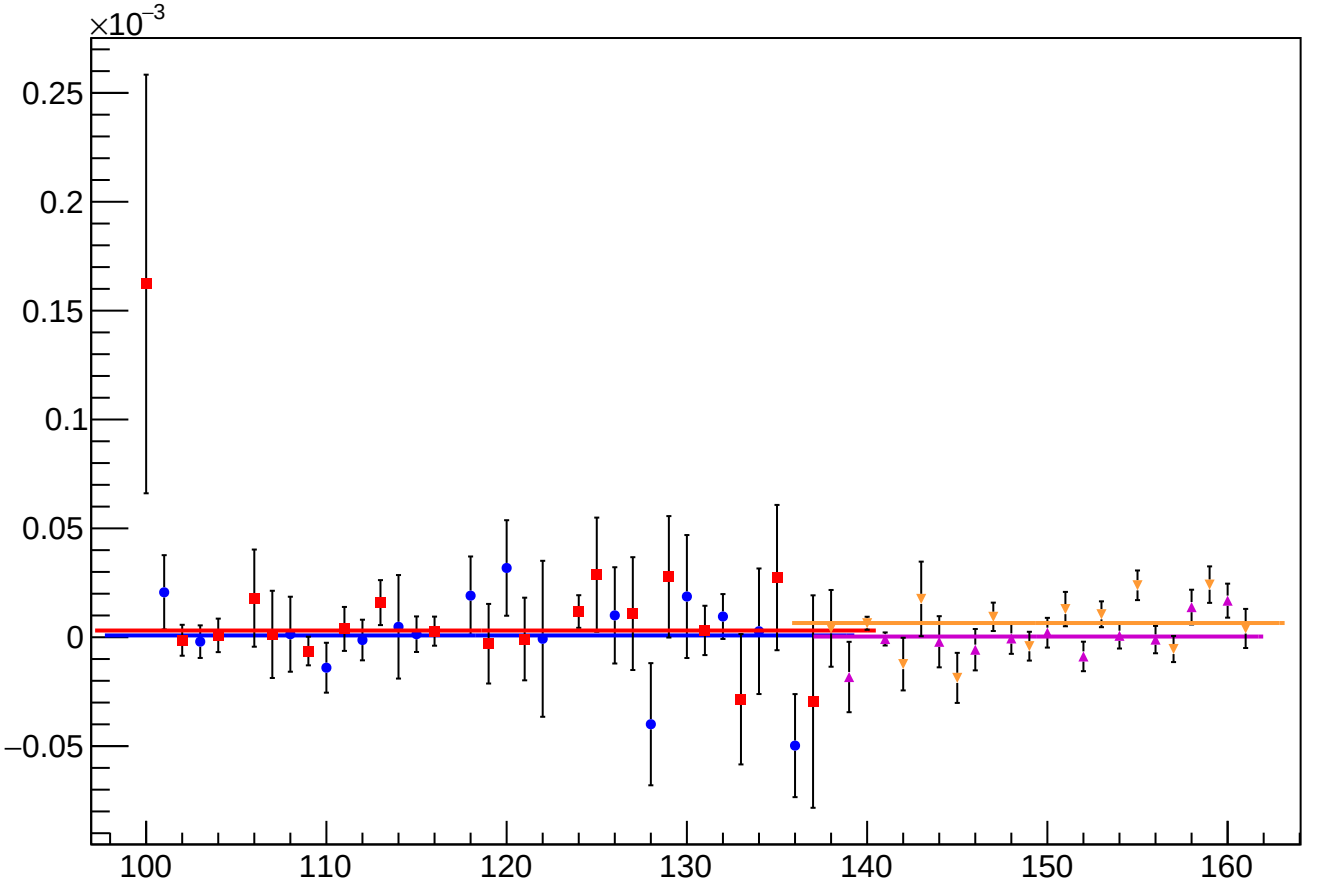
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 261.715+/-0.062 χ^2/NDF:679221.9/10

+ sign 189.695+/-0.035 χ^2/NDF: 5341501.0/28

All: 176.741+/-0.024 χ^2/NDF: 12512188.4/58

- sign 165.571+/-0.033 χ^2/NDF: 6919259.0/29



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.5/12

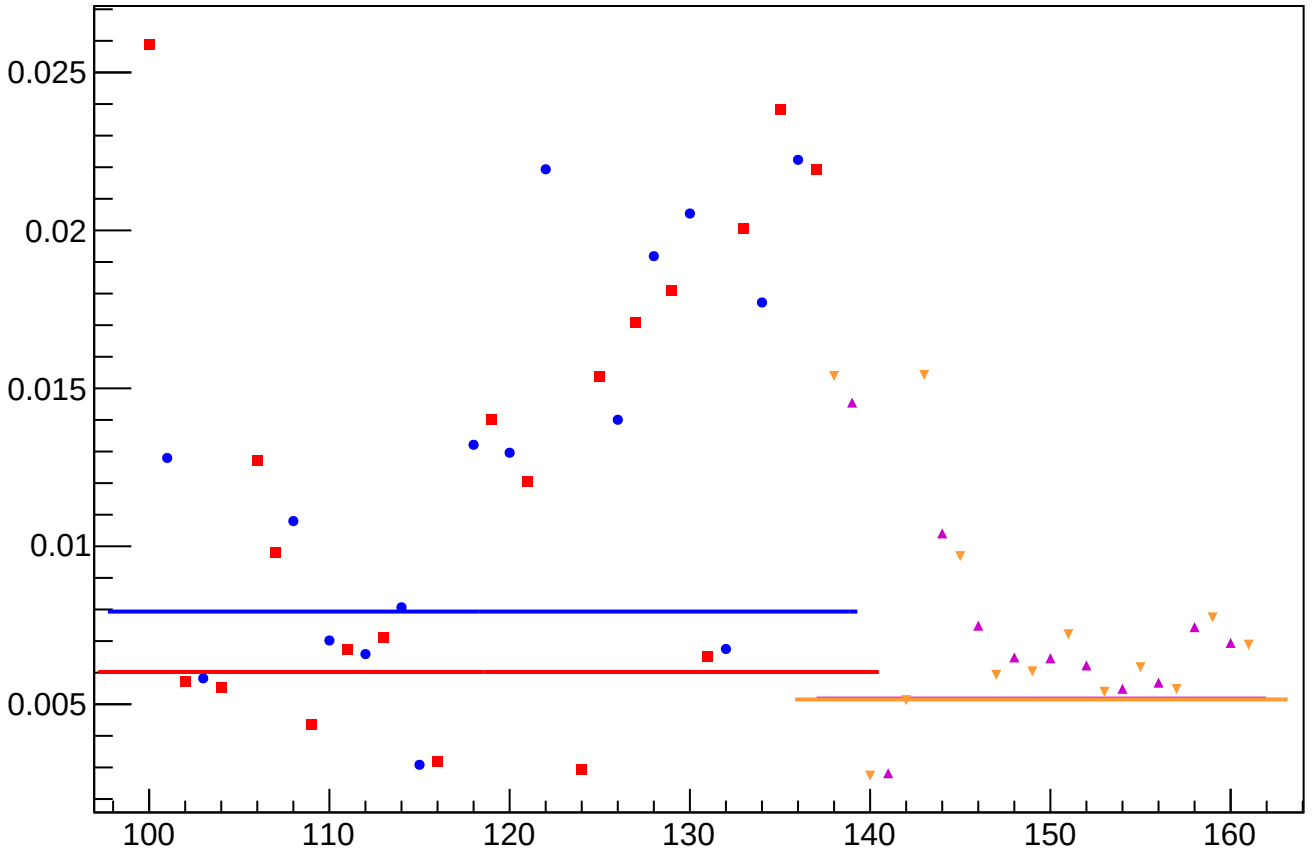
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 42.9/28

All: 0.000+/-0.000 χ^2/NDF: 70.8/58

- sign 0.000+/-0.000 χ^2/NDF: 24.6/29



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:3532939.3/12

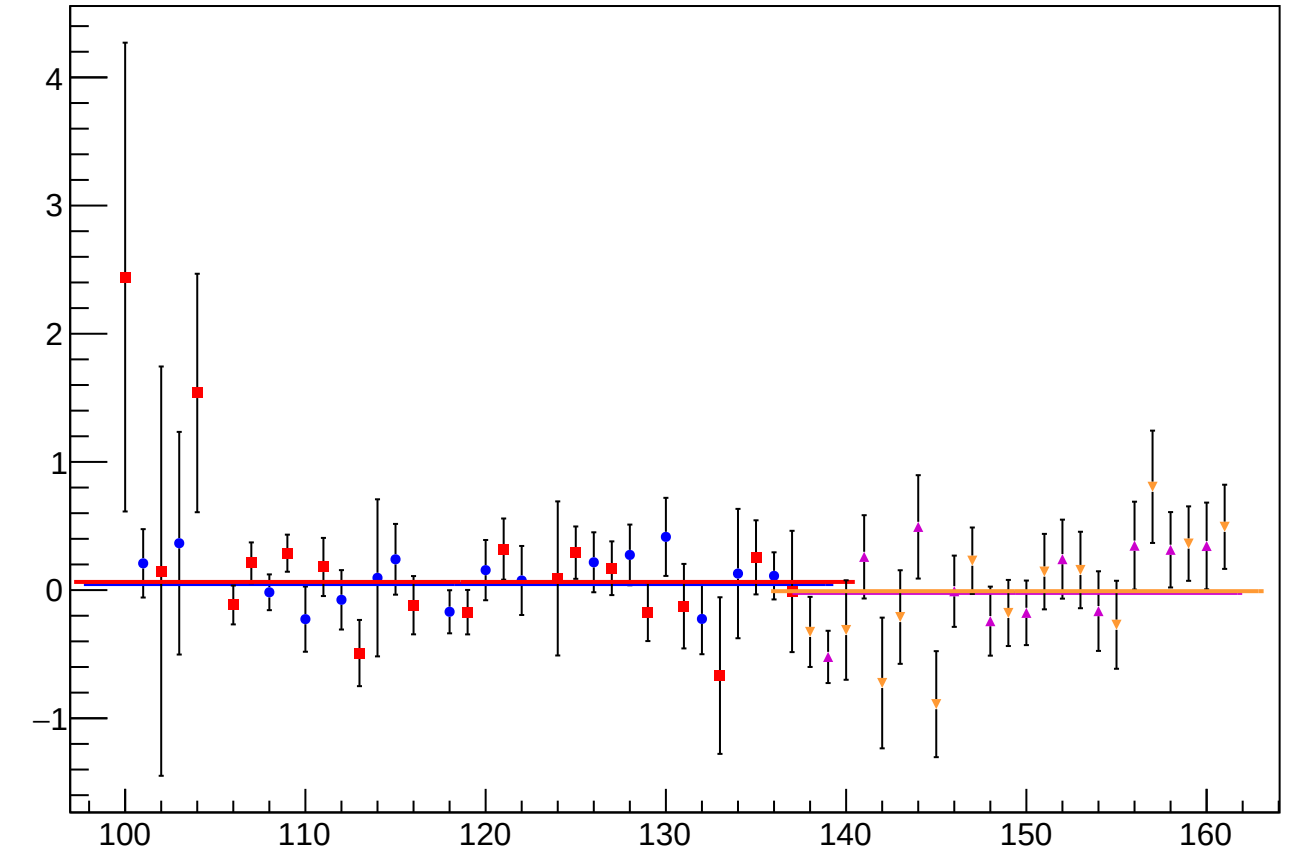
Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:2893663.2/10

+ sign 0.006+/-0.000 χ^2/NDF: 8121326.3/28

All: 0.006+/-0.000 χ^2/NDF: 15195904.7/58

- sign 0.005+/-0.000 χ^2/NDF: 7039316.6/29



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.008+/-0.090 χ^2/NDF:18.6/12

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

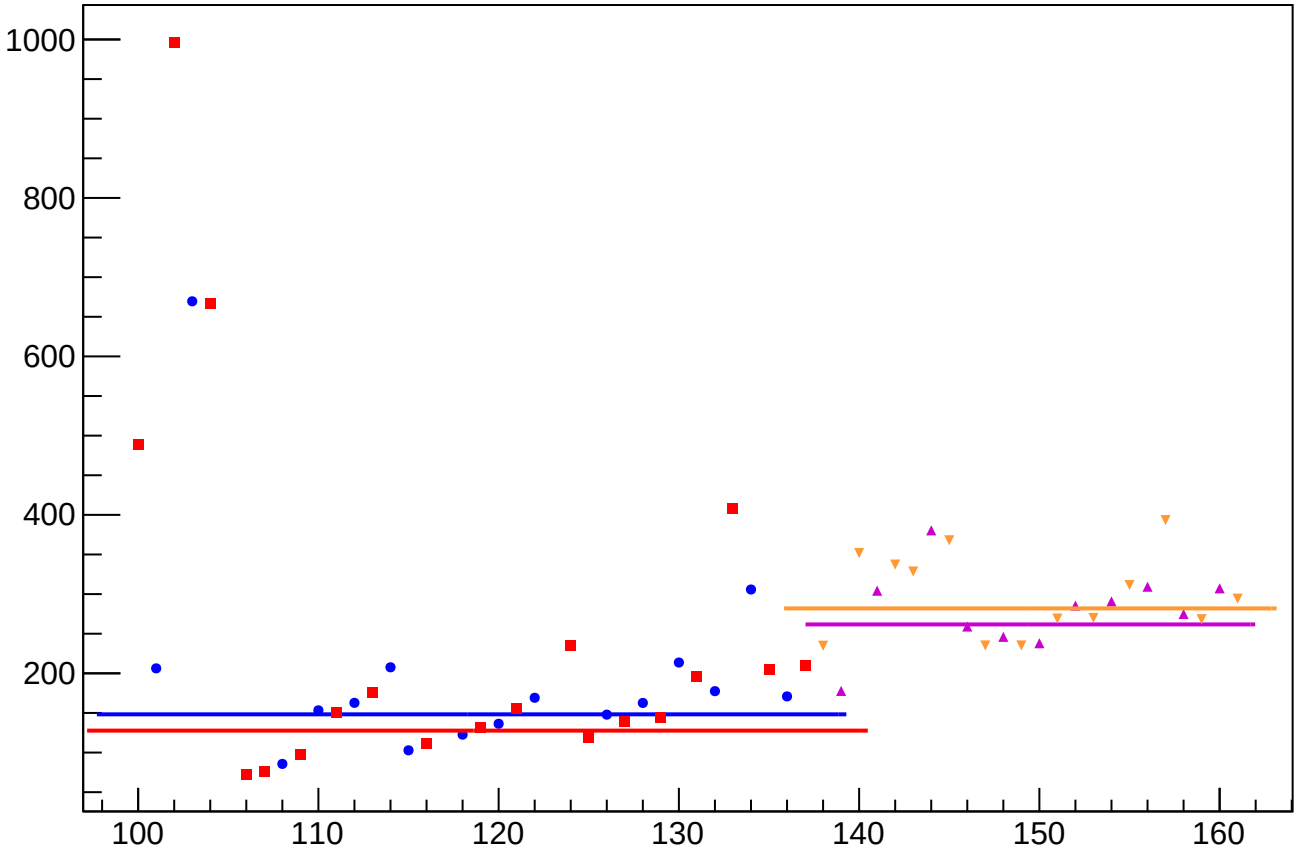
Left In: -0.022+/-0.087 χ^2/NDF:14.0/10

+ sign 0.030+/-0.050 χ^2/NDF: 27.5/28

All: 0.035+/-0.034 χ^2/NDF: 64.4/58

- sign 0.040+/-0.046 χ^2/NDF: 36.9/29

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: 281.917+/-0.063 χ^2/NDF:555797.1/12

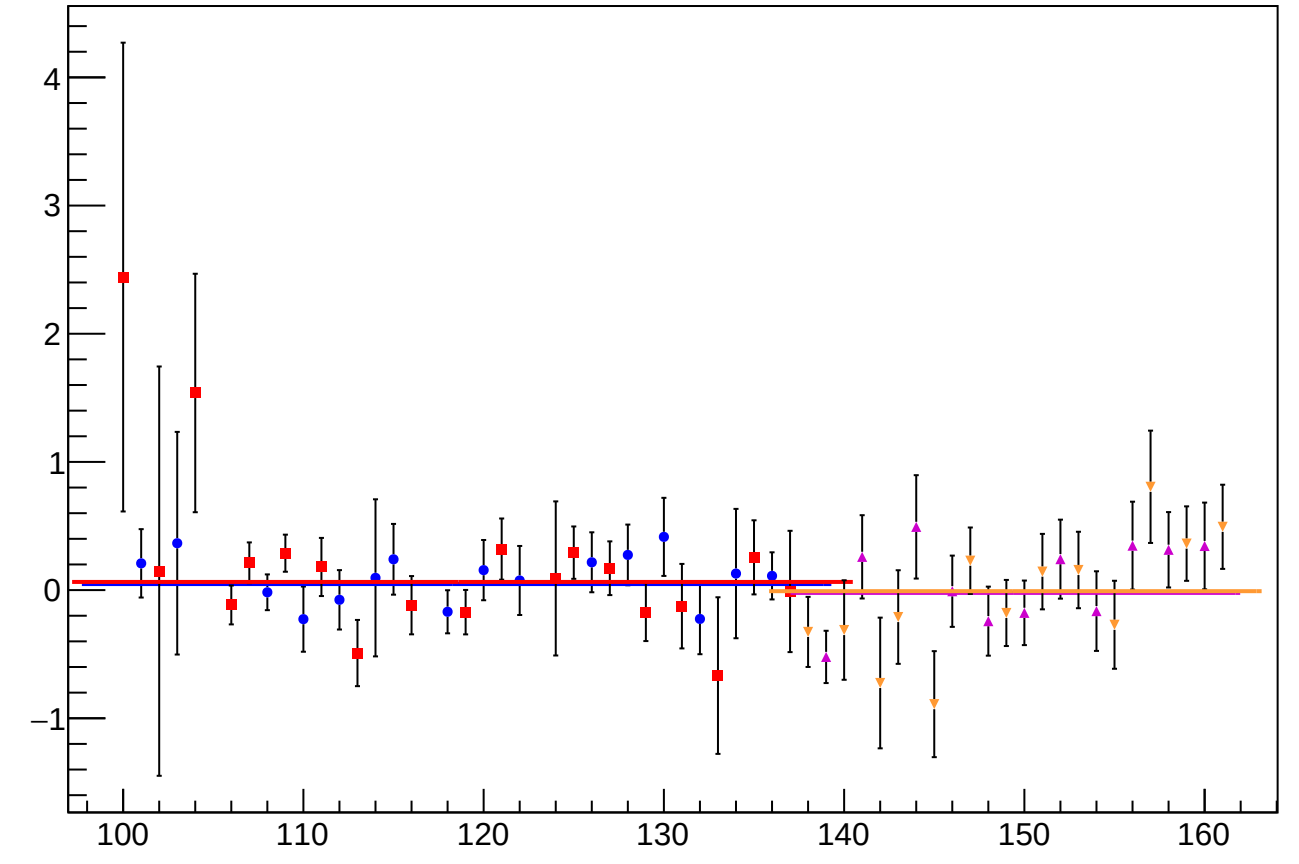
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 261.718+/-0.062 χ^2/NDF:679176.3/10

+ sign 189.694+/-0.035 χ^2/NDF: 5341782.5/28

All: 176.741+/-0.024 χ^2/NDF: 12512461.9/58

- sign 165.571+/-0.033 χ^2/NDF: 6919299.5/29



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.008+/-0.090 χ^2/NDF:18.6/12

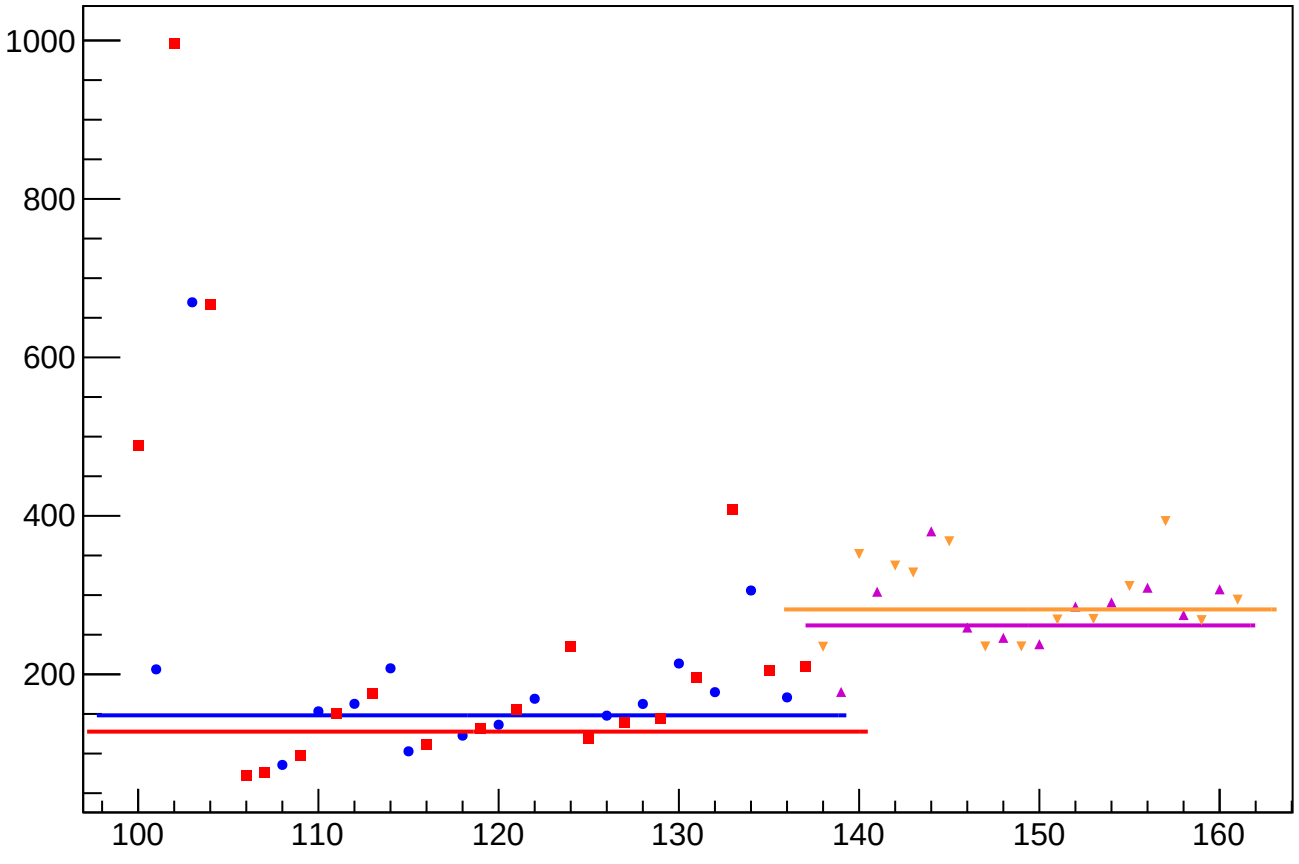
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.022+/-0.087 χ^2/NDF:14.0/10

+ sign 0.030+/-0.050 χ^2/NDF: 27.5/28

All: 0.035+/-0.034 χ^2/NDF: 64.4/58

- sign 0.040+/-0.046 χ^2/NDF: 36.9/29



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 281.917+/-0.063 χ^2/NDF:555797.1/12

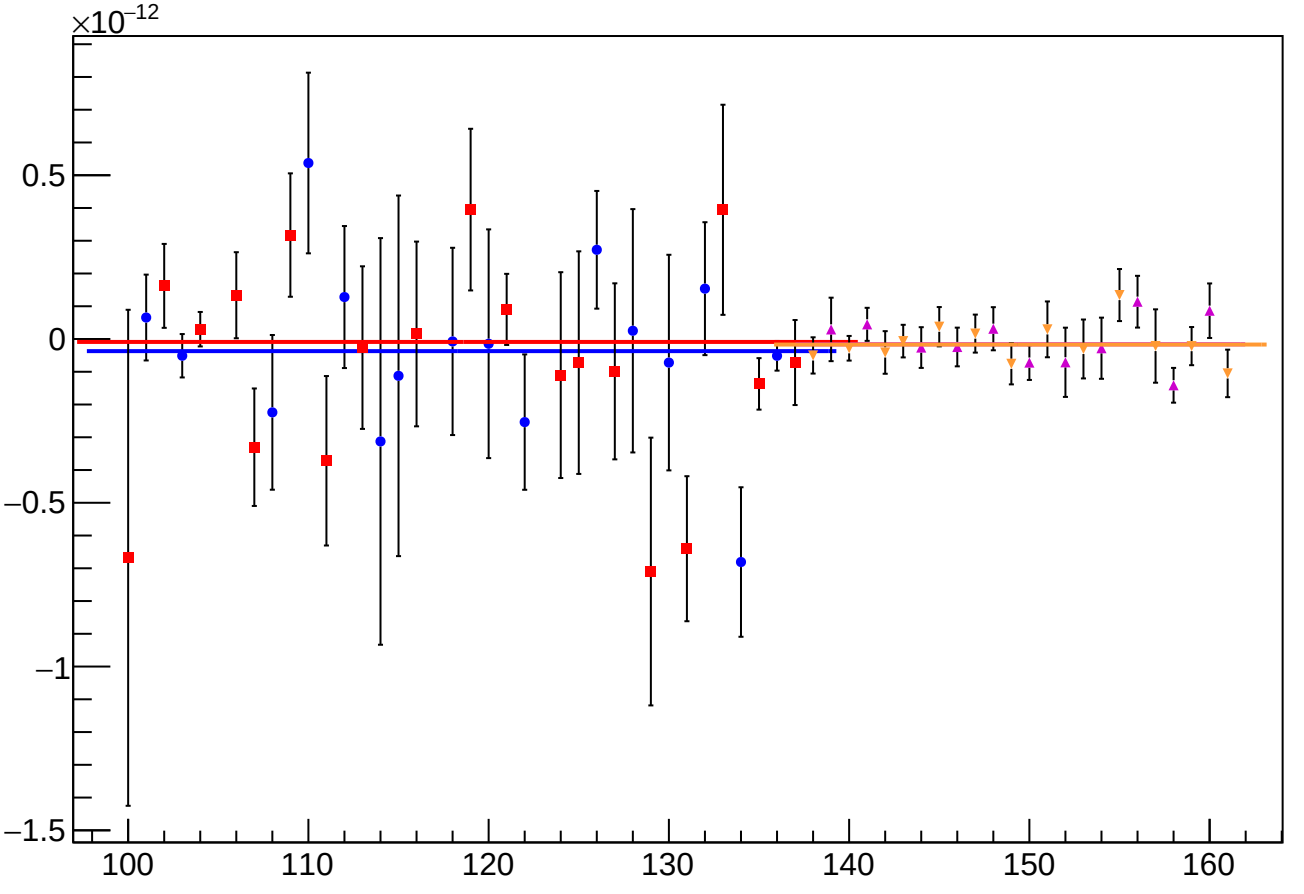
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 261.718+/-0.062 χ^2/NDF:679176.3/10

+ sign 189.694+/-0.035 χ^2/NDF: 5341782.5/28

All: 176.741+/-0.024 χ^2/NDF: 12512461.9/58

- sign 165.571+/-0.033 χ^2/NDF: 6919299.5/29



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.1/12

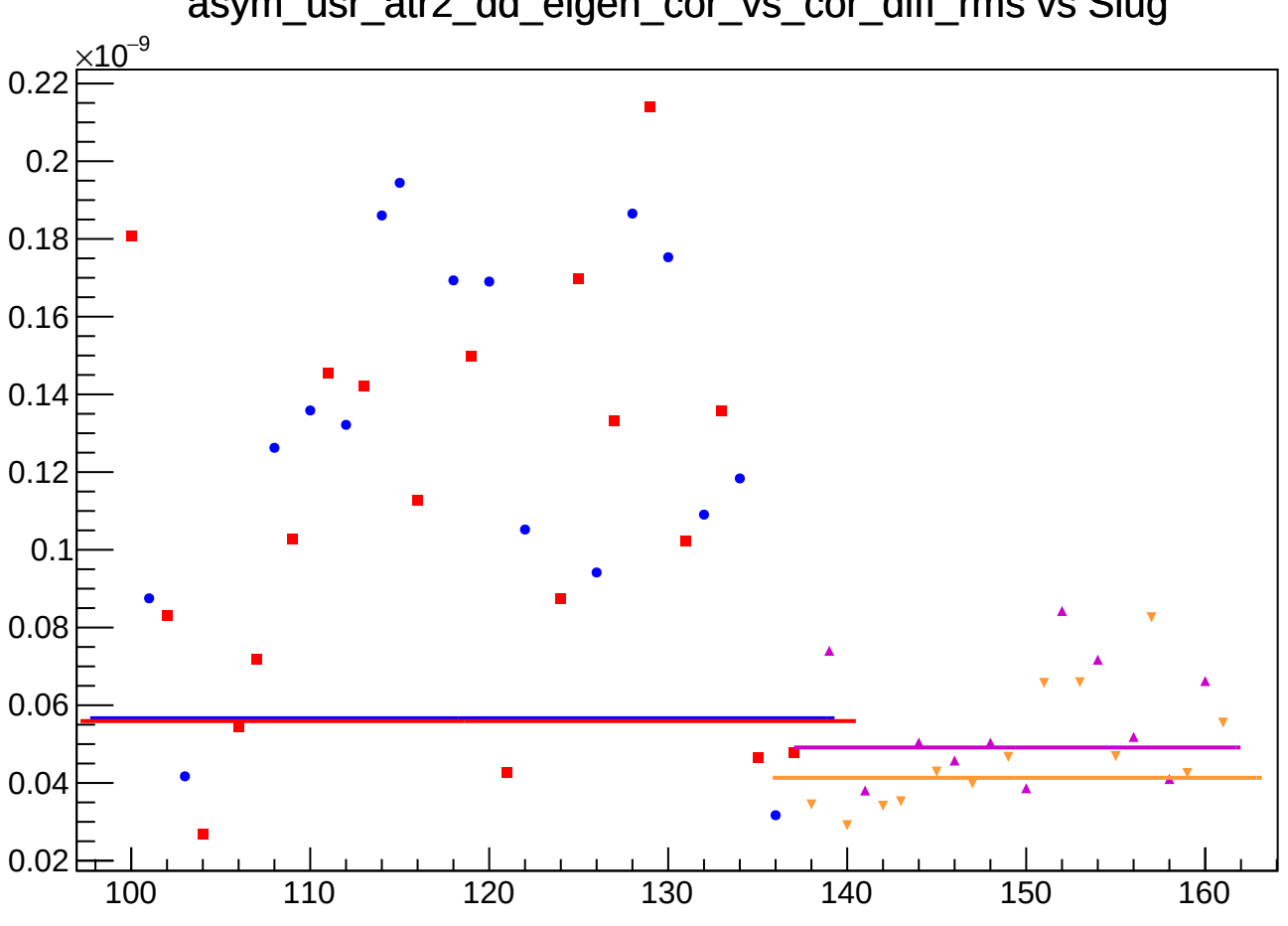
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/28

All: -0.000+/-0.000 χ^2/NDF: 73.2/58

- sign -0.000+/-0.000 χ^2/NDF: 45.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:985908.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

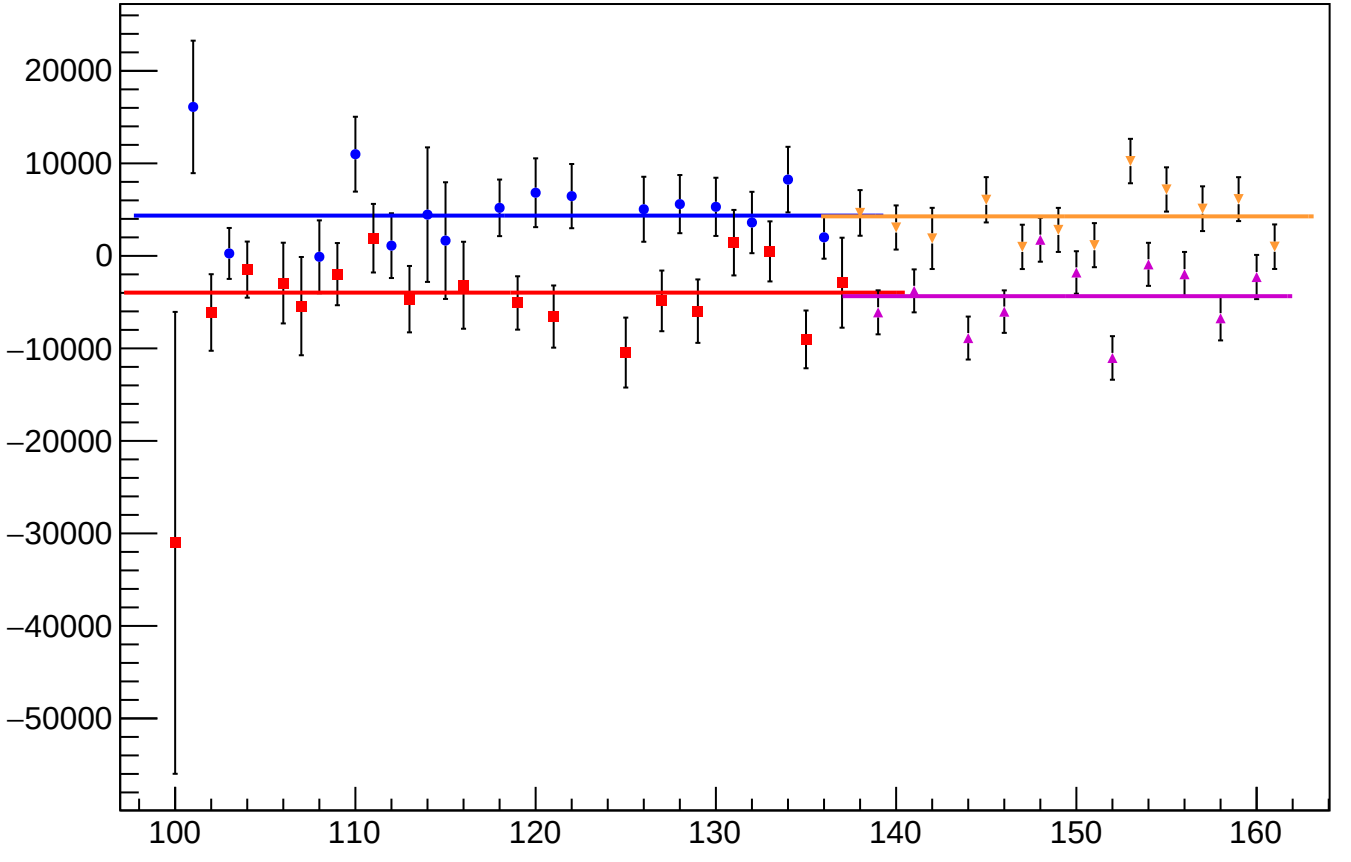
Left In: 0.000+/-0.000 χ^2/NDF:786134.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 4454558.5/28

All: 0.000+/-0.000 χ^2/NDF: 8197381.9/58

- sign 0.000+/-0.000 χ^2/NDF: 3583943.2/29

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4271.800+/-708.237 χ^2/NDF:15.6/11

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

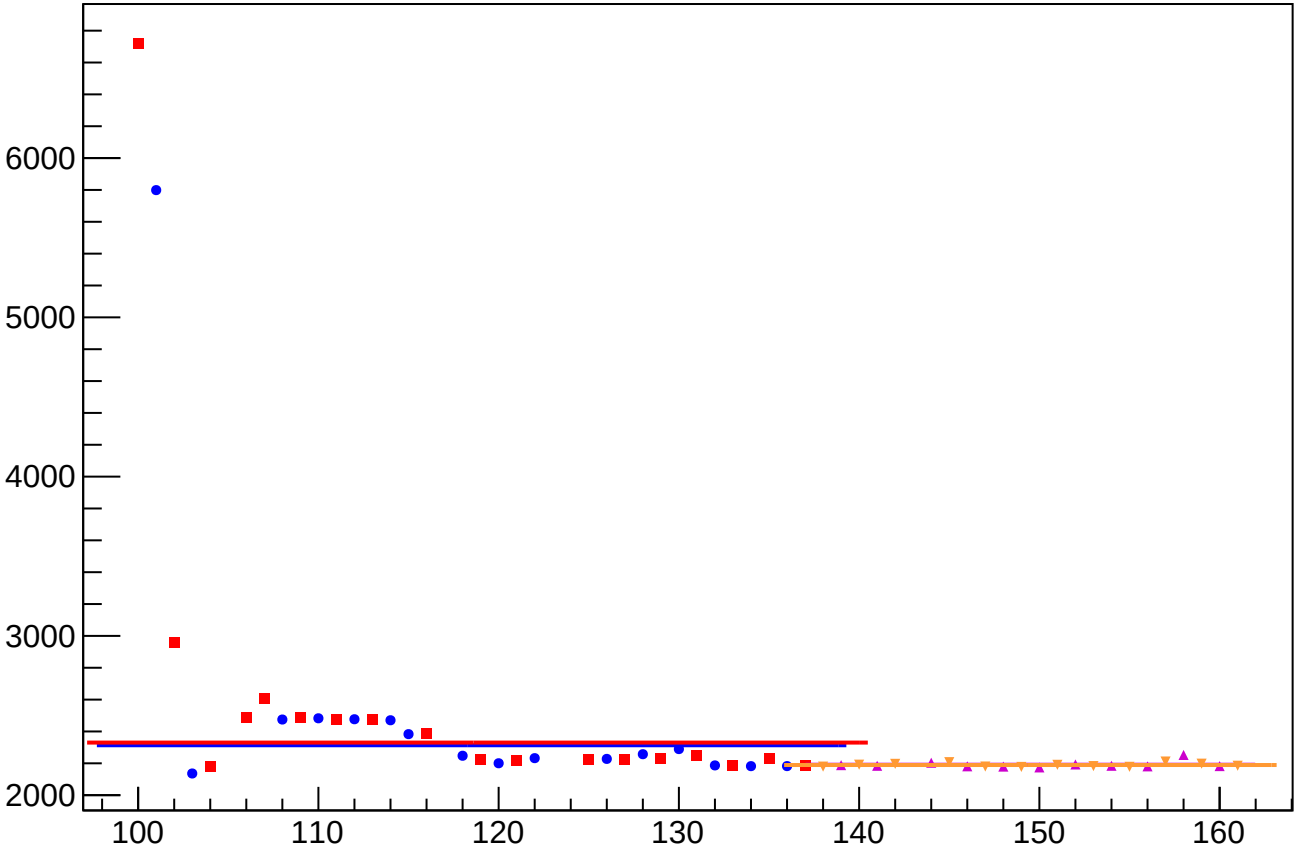
Left In: -4355.416+/-708.750 χ^2/NDF:25.7/10

+ sign 4304.468+/-550.542 χ^2/NDF: 28.9/27

All: 45.338+/-389.036 χ^2/NDF: 190.5/56

- sign -4202.613+/-549.819 χ^2/NDF: 42.0/28

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2189.334+/-0.501 χ^2/NDF:491.5/11

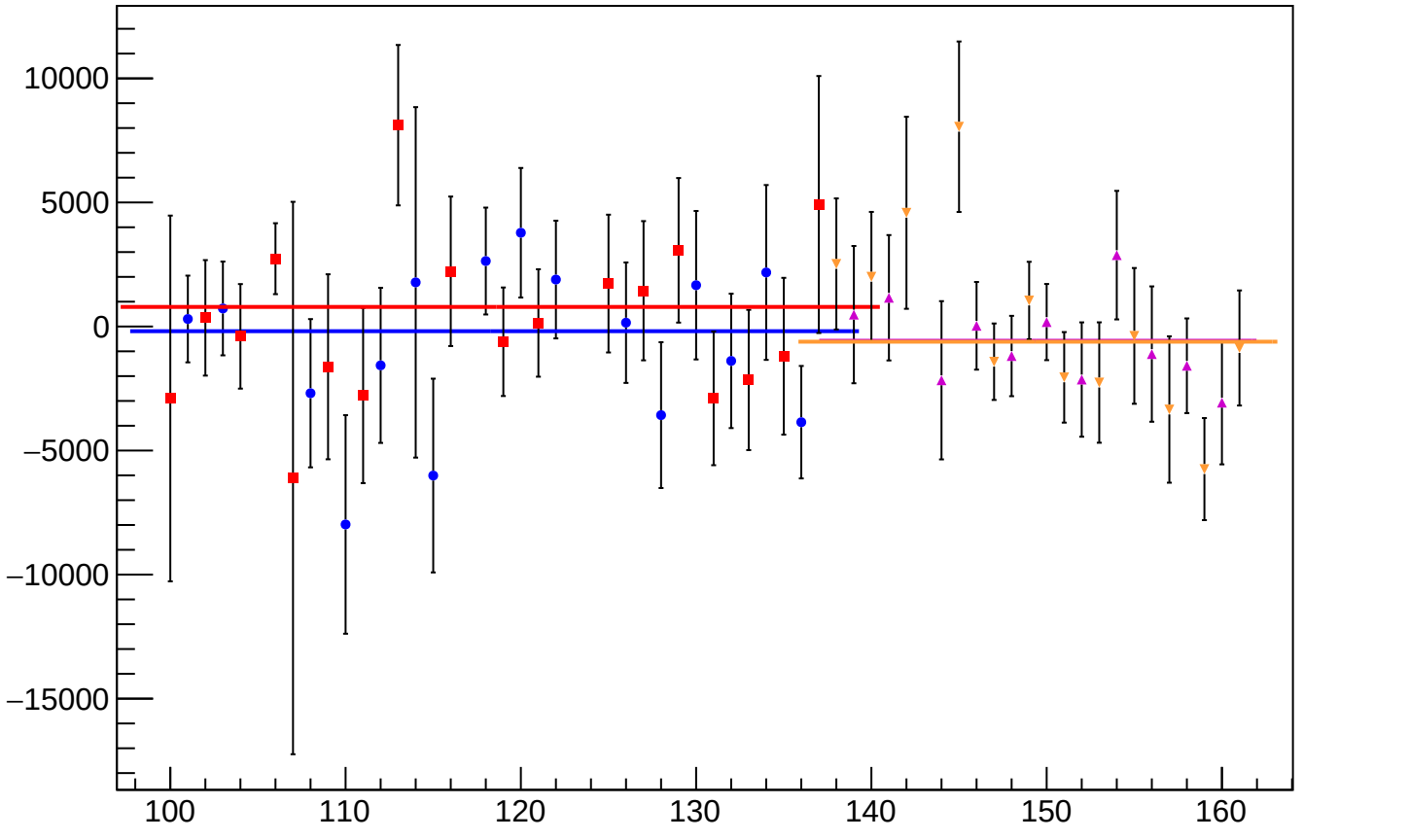
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2191.237+/-0.501 χ^2/NDF:1662.7/10

+ sign 2238.437+/-0.389 χ^2/NDF: 537156.2/27

All: 2242.510+/-0.275 χ^2/NDF: 720864.1/56

- sign 2246.572+/-0.389 χ^2/NDF: 183489.3/28



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -612.458+/-643.640 χ^2/NDF:20.2/11

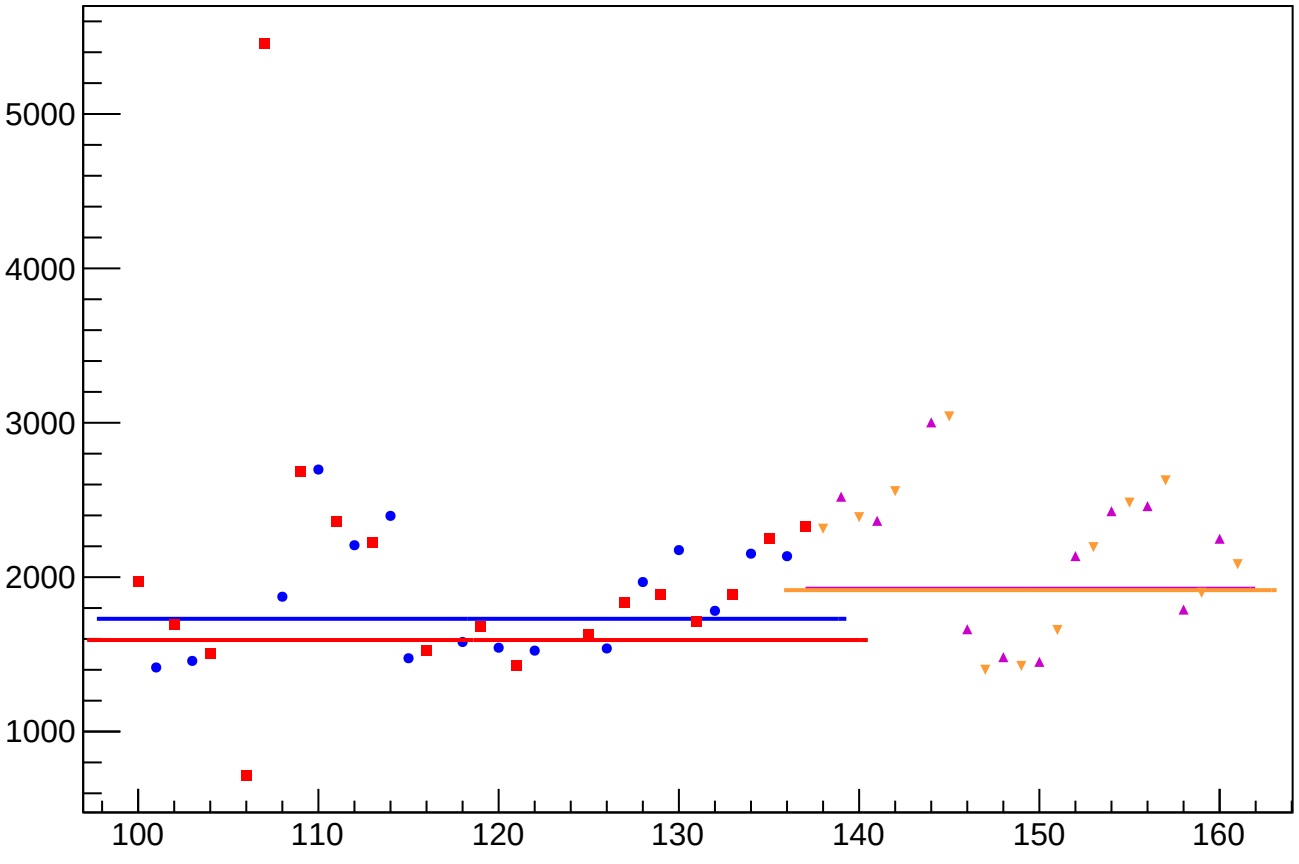
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -575.111+/-642.894 χ^2/NDF:4.9/10

+ sign -405.341+/-460.229 χ^2/NDF: 36.8/27

All: -140.003+/-322.389 χ^2/NDF: 59.6/56

- sign 115.639+/-451.742 χ^2/NDF: 22.1/28



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1915.892+/-0.455 χ^2/NDF:1081127.4/11

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

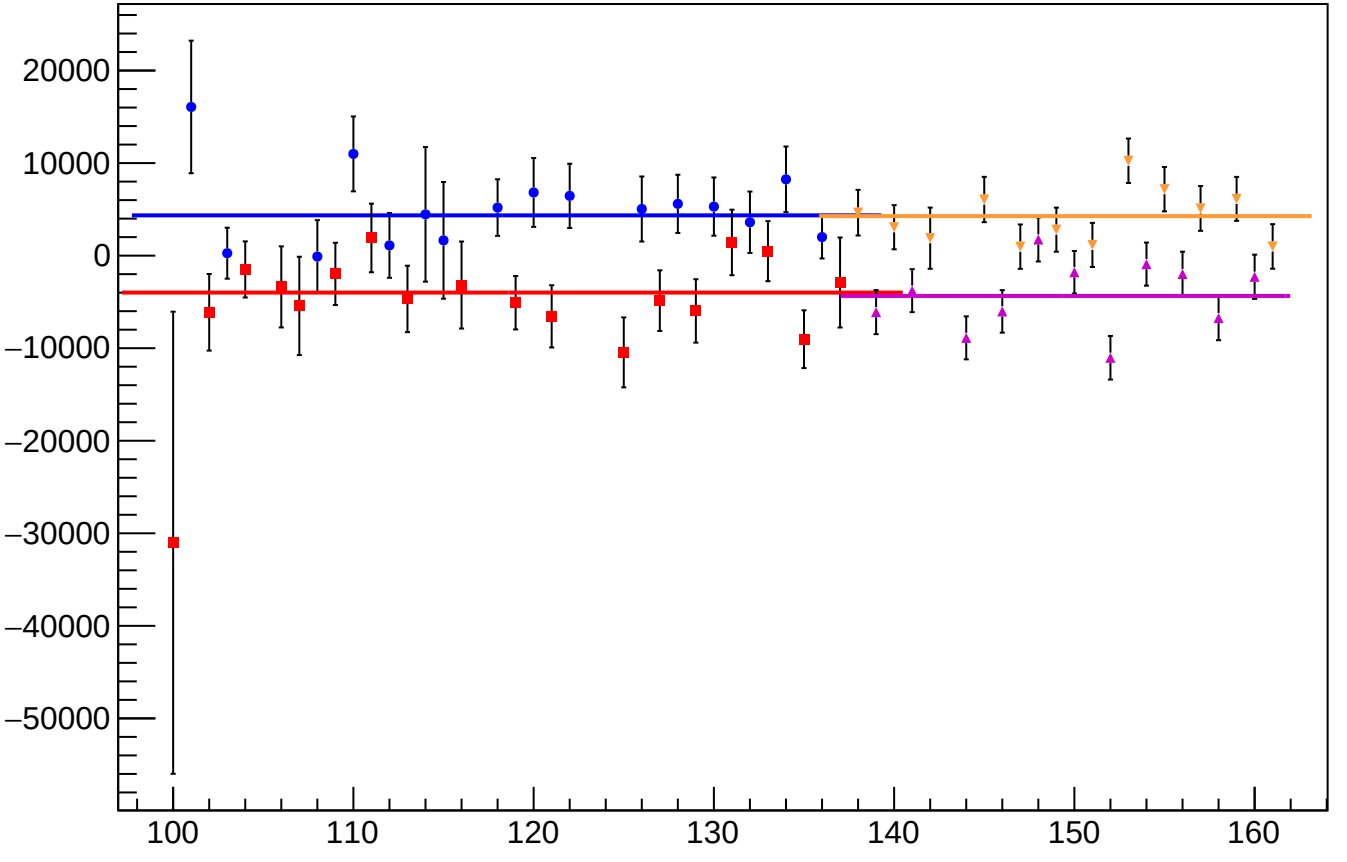
Left In: 1925.394+/-0.455 χ^2/NDF:978980.1/10

+ sign 1825.184+/-0.325 χ^2/NDF: 1641337.7/27

All: 1790.472+/-0.228 χ^2/NDF: 4469810.7/56

- sign 1757.029+/-0.319 χ^2/NDF: 2806134.1/28

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4271.718+/-708.237 χ^2/NDF:15.6/11

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

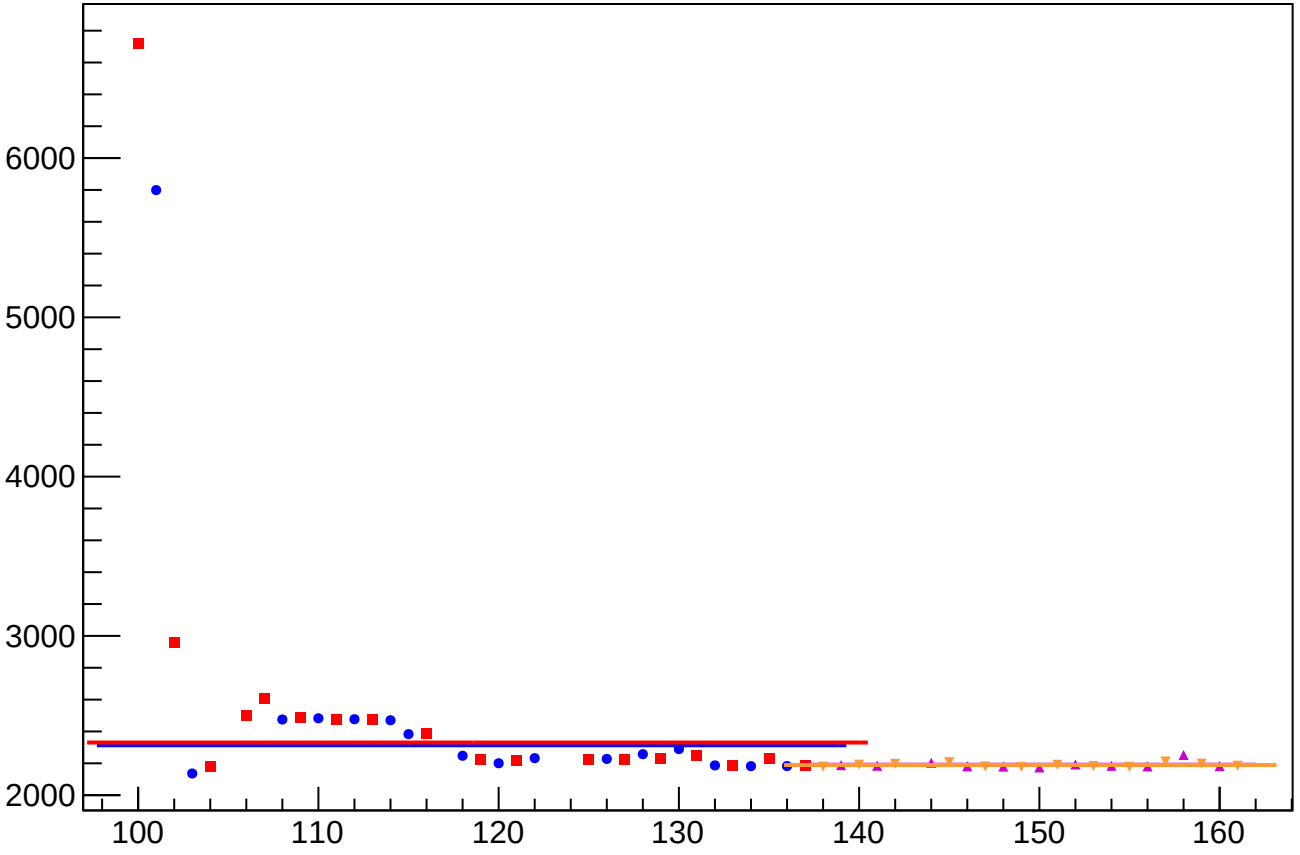
Left In: -4355.563+/-708.750 χ^2/NDF:25.7/10

+ sign 4304.150+/-550.542 χ^2/NDF: 28.9/27

All: 41.783+/-389.050 χ^2/NDF: 190.6/56

- sign -4209.981+/-549.857 χ^2/NDF: 41.9/28

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2189.334+/-0.501 χ^2/NDF:491.5/11

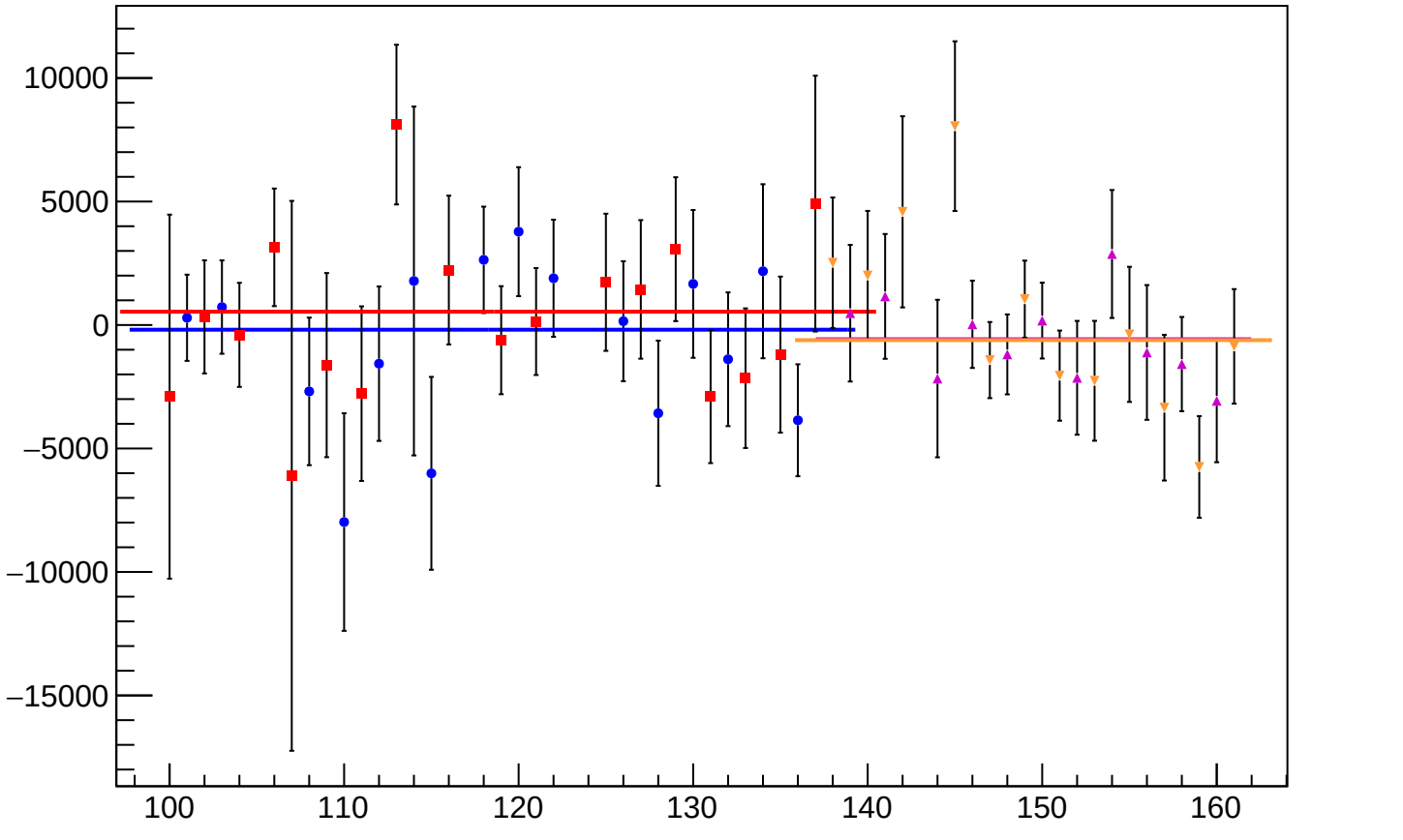
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2191.237+/-0.501 χ^2/NDF:1662.7/10

+ sign 2238.437+/-0.389 χ^2/NDF: 537156.6/27

All: 2242.578+/-0.275 χ^2/NDF: 721374.5/56

- sign 2246.708+/-0.389 χ^2/NDF: 183991.9/28



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -612.653+/-643.640 χ^2/NDF:20.2/11

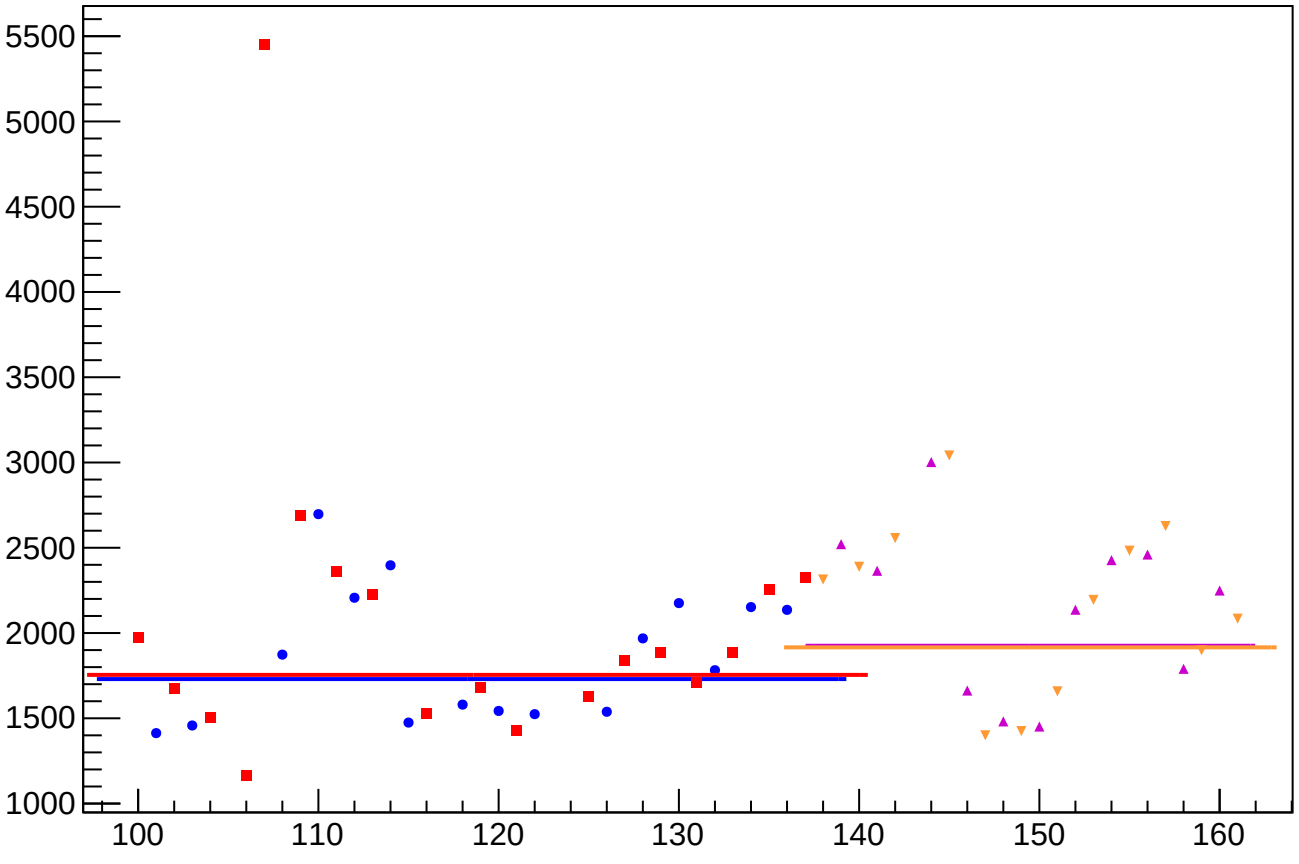
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -575.204+/-642.895 χ^2/NDF:4.9/10

+ sign -405.938+/-460.185 χ^2/NDF: 36.8/27

All: -229.254+/-327.638 χ^2/NDF: 57.4/56

- sign -47.624+/-466.582 χ^2/NDF: 20.3/28



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1915.893+/-0.455 χ^2/NDF:1081159.3/11

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

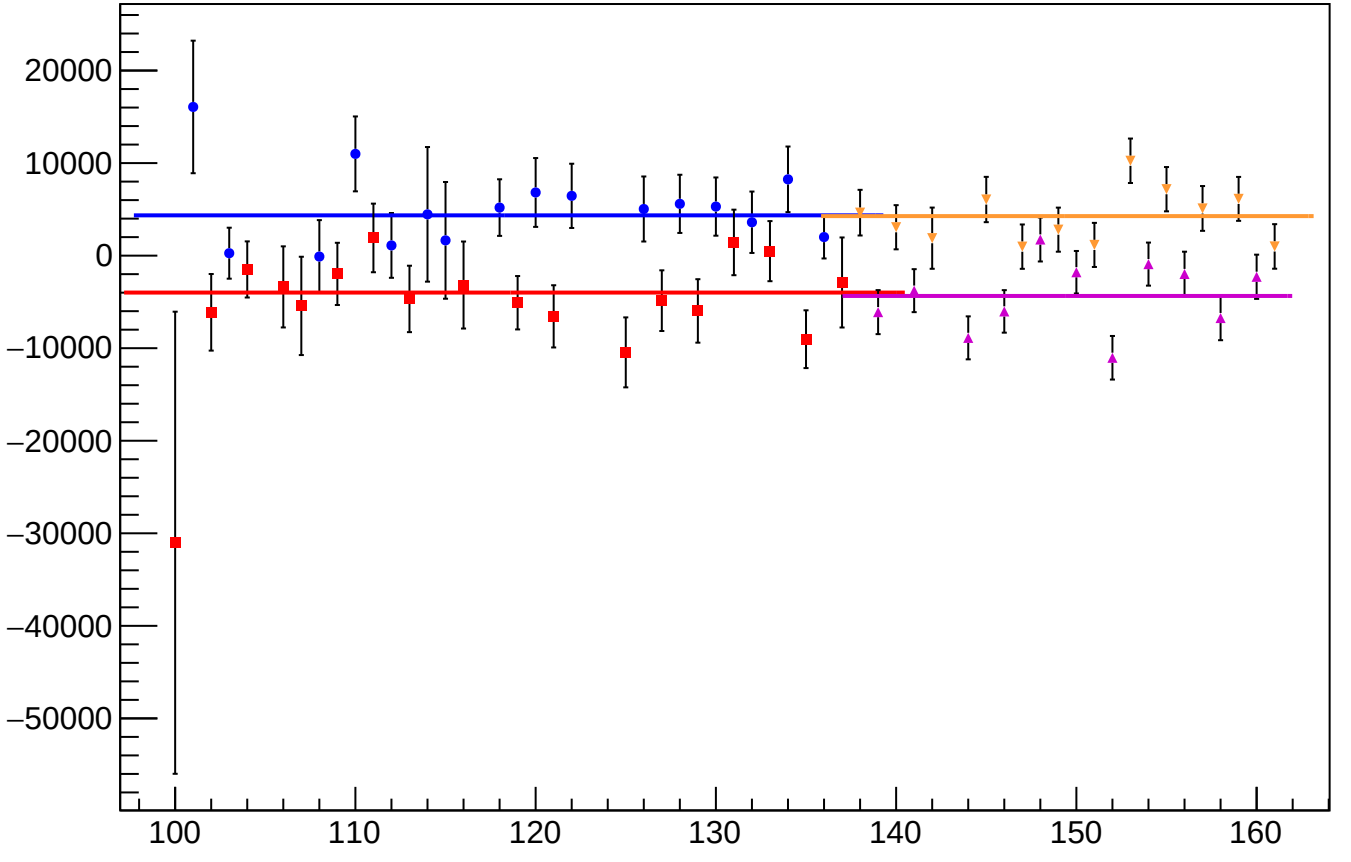
Left In: 1925.399+/-0.455 χ^2/NDF:979002.3/10

+ sign 1824.976+/-0.325 χ^2/NDF: 1642694.4/27

All: 1834.617+/-0.232 χ^2/NDF: 3441354.6/56

- sign 1844.528+/-0.330 χ^2/NDF: 1796880.0/28

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4271.718+/-708.237 χ^2/NDF:15.6/11

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

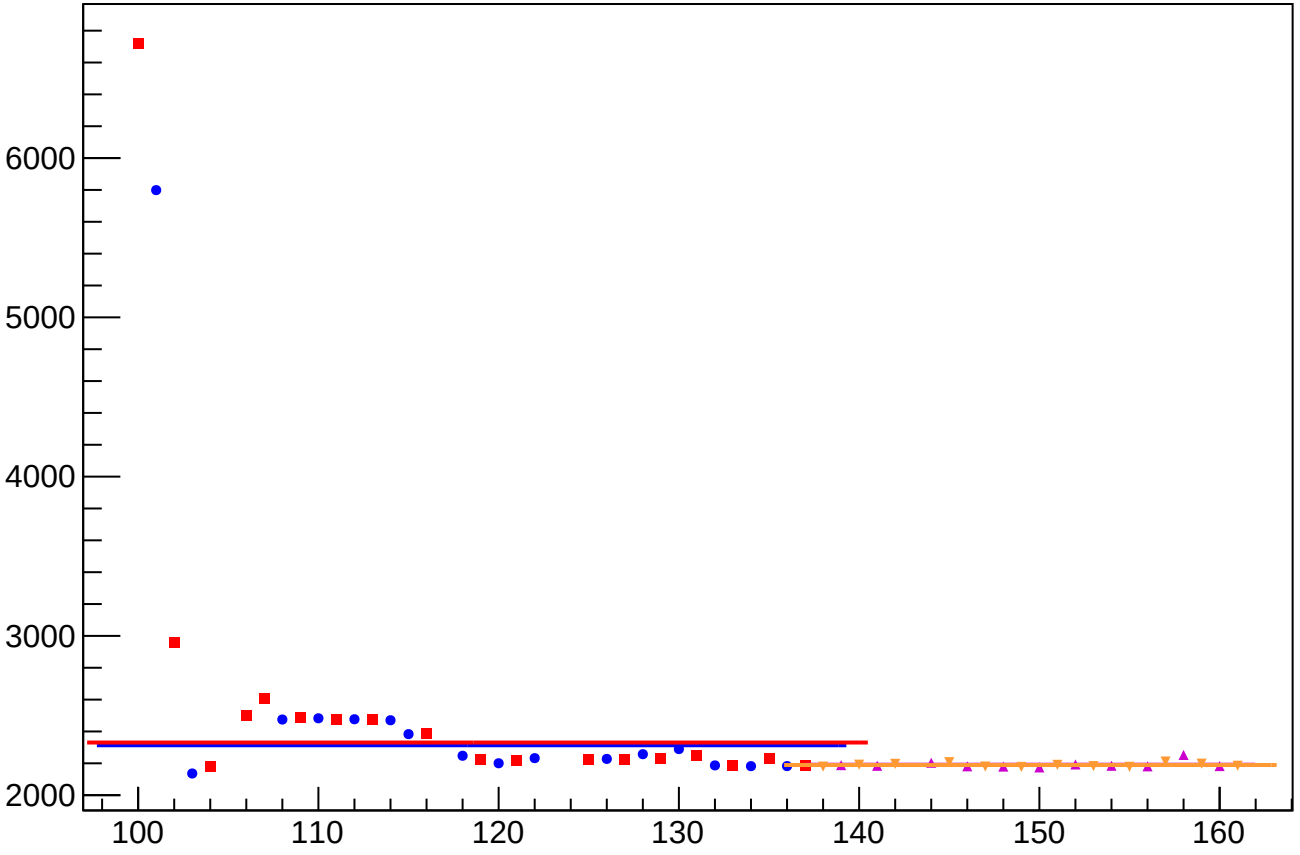
Left In: -4355.563+/-708.750 χ^2/NDF:25.7/10

+ sign 4304.150+/-550.542 χ^2/NDF: 28.9/27

All: 41.783+/-389.050 χ^2/NDF: 190.6/56

- sign -4209.981+/-549.857 χ^2/NDF: 41.9/28

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: 2189.334+/-0.501 χ^2/NDF:491.5/11

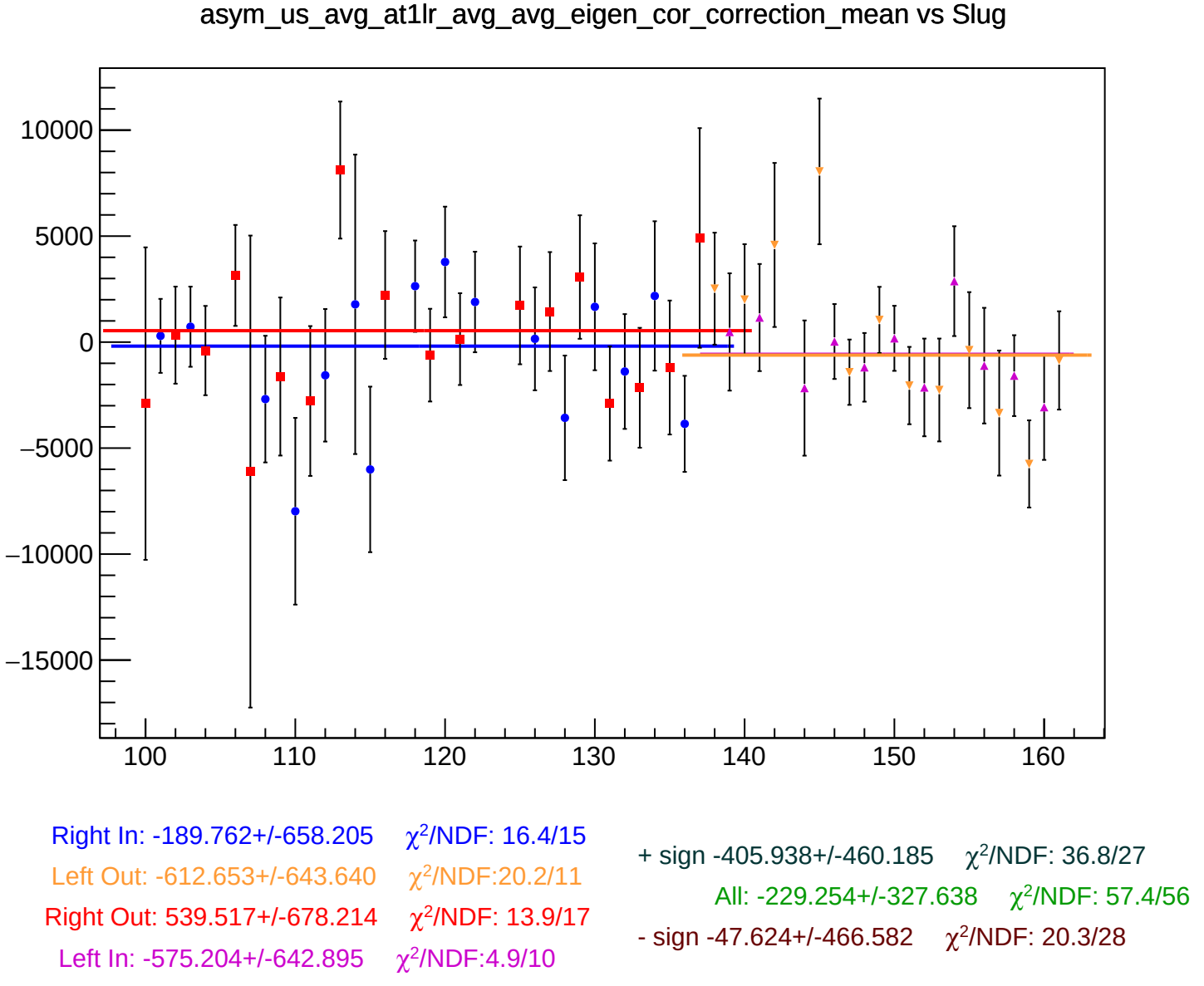
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

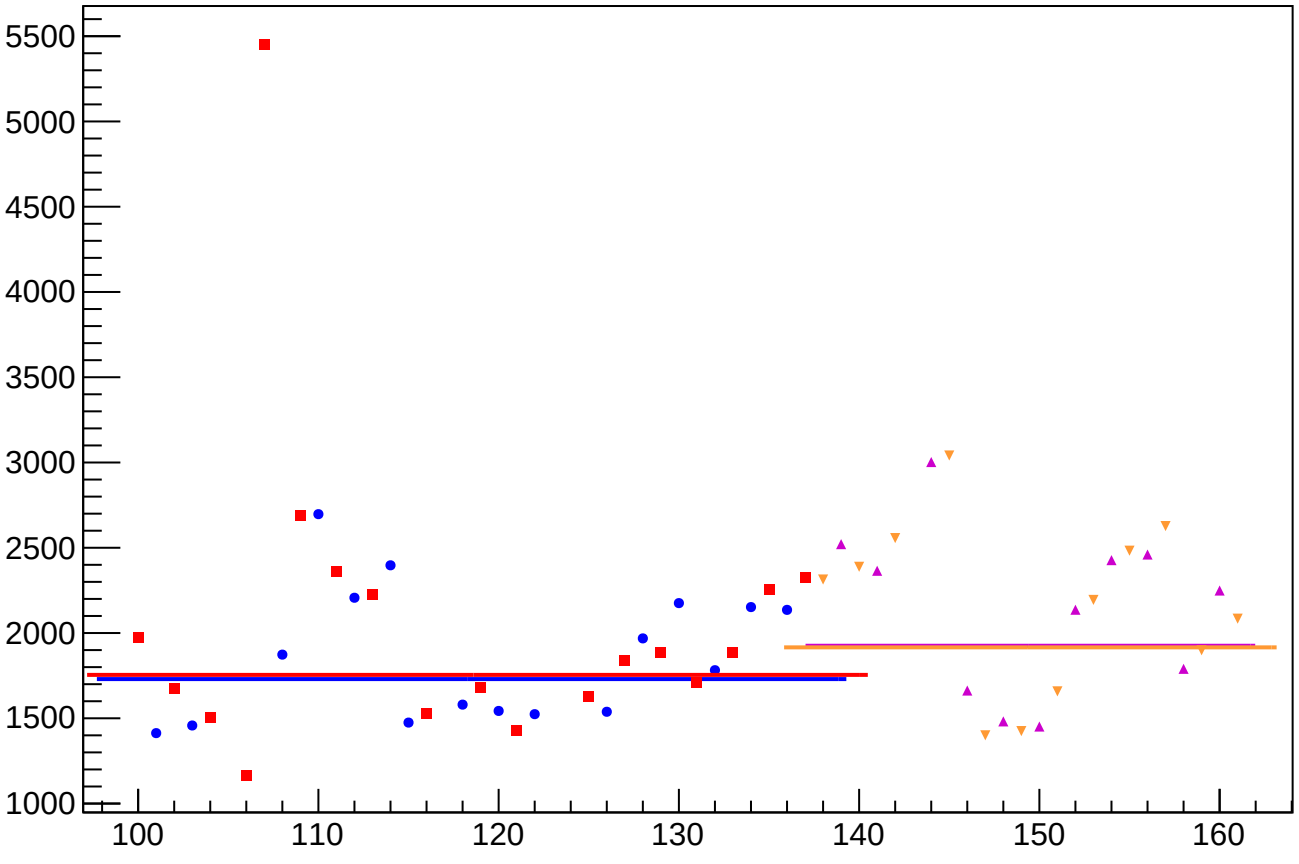
Left In: 2191.237+/-0.501 χ^2/NDF:1662.7/10

+ sign 2238.437+/-0.389 χ^2/NDF: 537156.6/27

All: 2242.578+/-0.275 χ^2/NDF: 721374.5/56

- sign 2246.708+/-0.389 χ^2/NDF: 183991.9/28


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
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -612.653+/-643.640 χ²/NDF:20.2/11
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -575.204+/-642.895 χ²/NDF:4.9/10
+ sign -405.938+/-460.185 χ²/NDF: 36.8/27
All: -229.254+/-327.638 χ²/NDF: 57.4/56
- sign -47.624+/-466.582 χ²/NDF: 20.3/28



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1915.893+/-0.455 χ^2/NDF:1081159.3/11

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

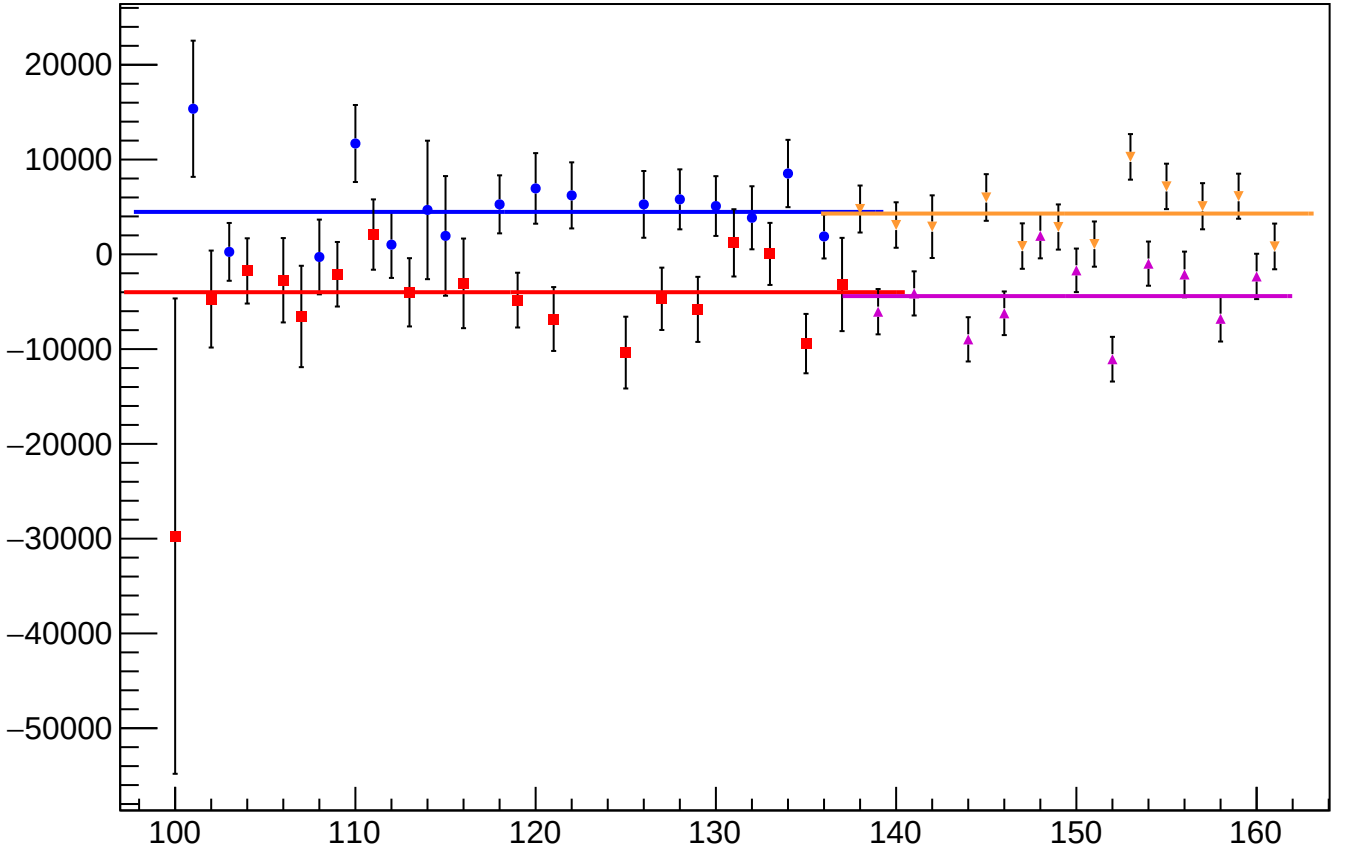
Left In: 1925.399+/-0.455 χ^2/NDF:979002.3/10

+ sign 1824.976+/-0.325 χ^2/NDF: 1642694.4/27

All: 1834.617+/-0.232 χ^2/NDF: 3441354.6/56

- sign 1844.528+/-0.330 χ^2/NDF: 1796880.0/28

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4301.944+/-710.054 χ^2/NDF:15.5/11

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

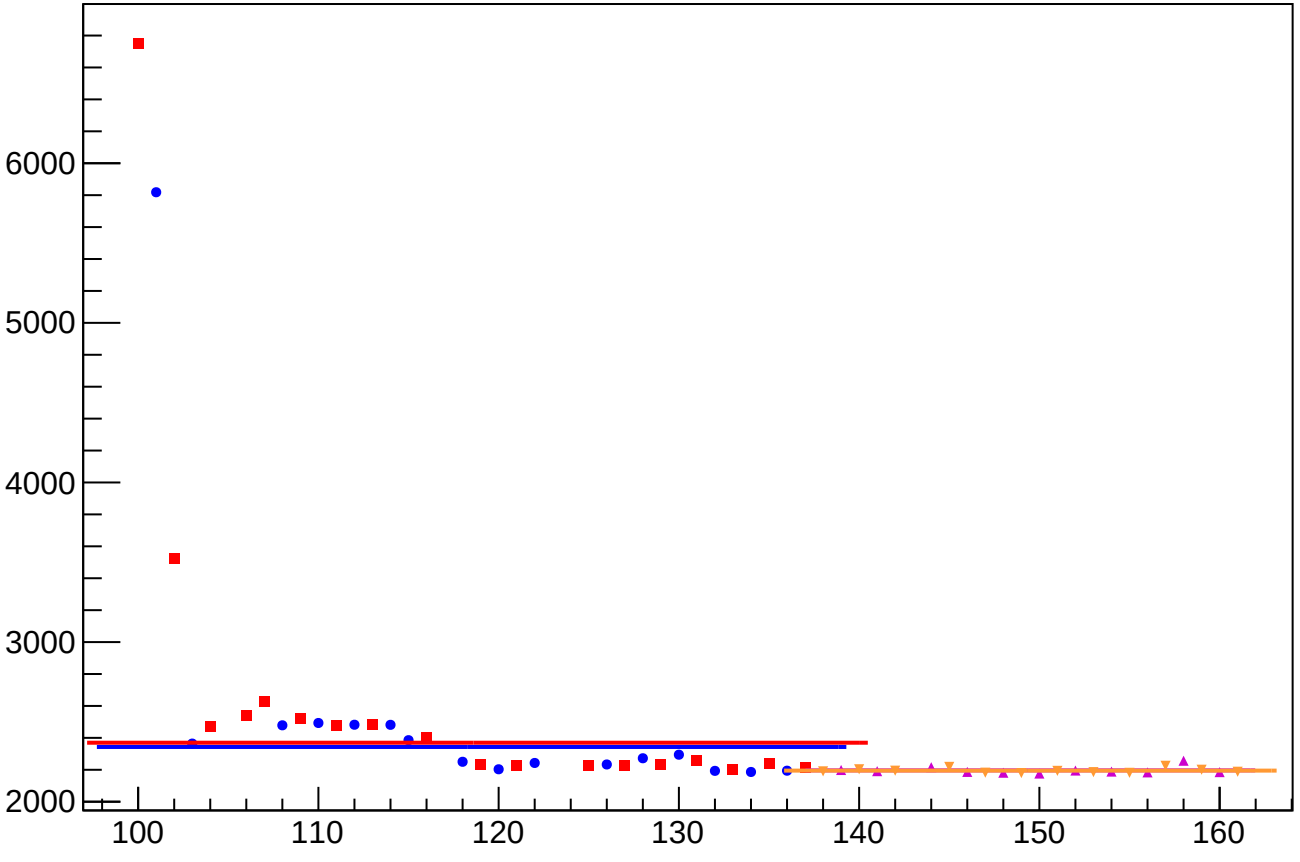
Left In: -4406.894+/-710.410 χ^2/NDF:26.3/10

+ sign 4370.175+/-554.098 χ^2/NDF: 29.1/27

All: 71.140+/-392.240 χ^2/NDF: 191.6/56

- sign -4247.004+/-555.328 χ^2/NDF: 41.9/28

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2194.837+/-0.502 χ^2/NDF:790.9/11

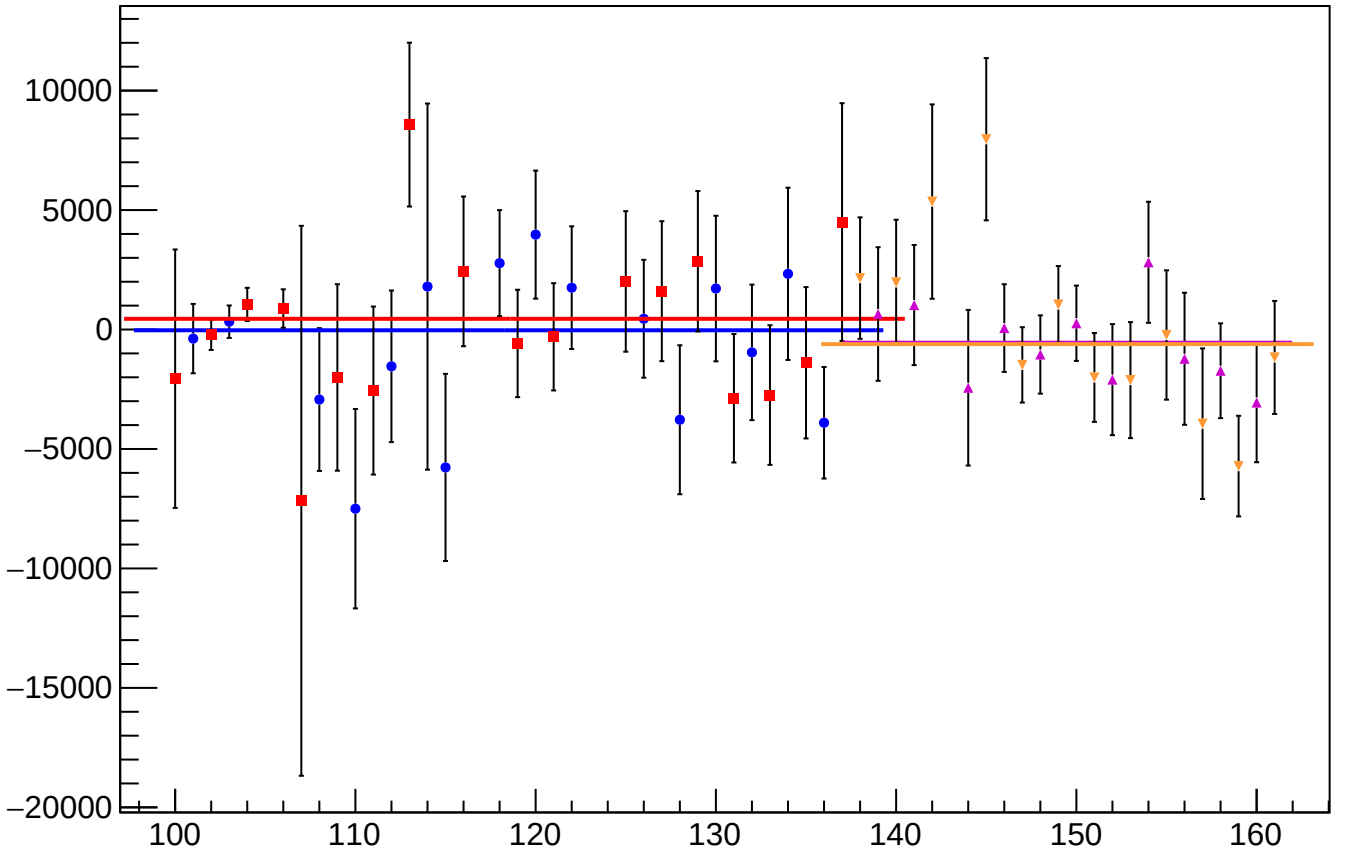
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2196.288+/-0.502 χ^2/NDF:1797.2/10

+ sign 2252.741+/-0.392 χ^2/NDF: 537669.9/27

All: 2258.202+/-0.277 χ^2/NDF: 796286.7/56

- sign 2263.687+/-0.393 χ^2/NDF: 258227.4/28



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -611.515+/-654.466 χ^2/NDF:20.1/11

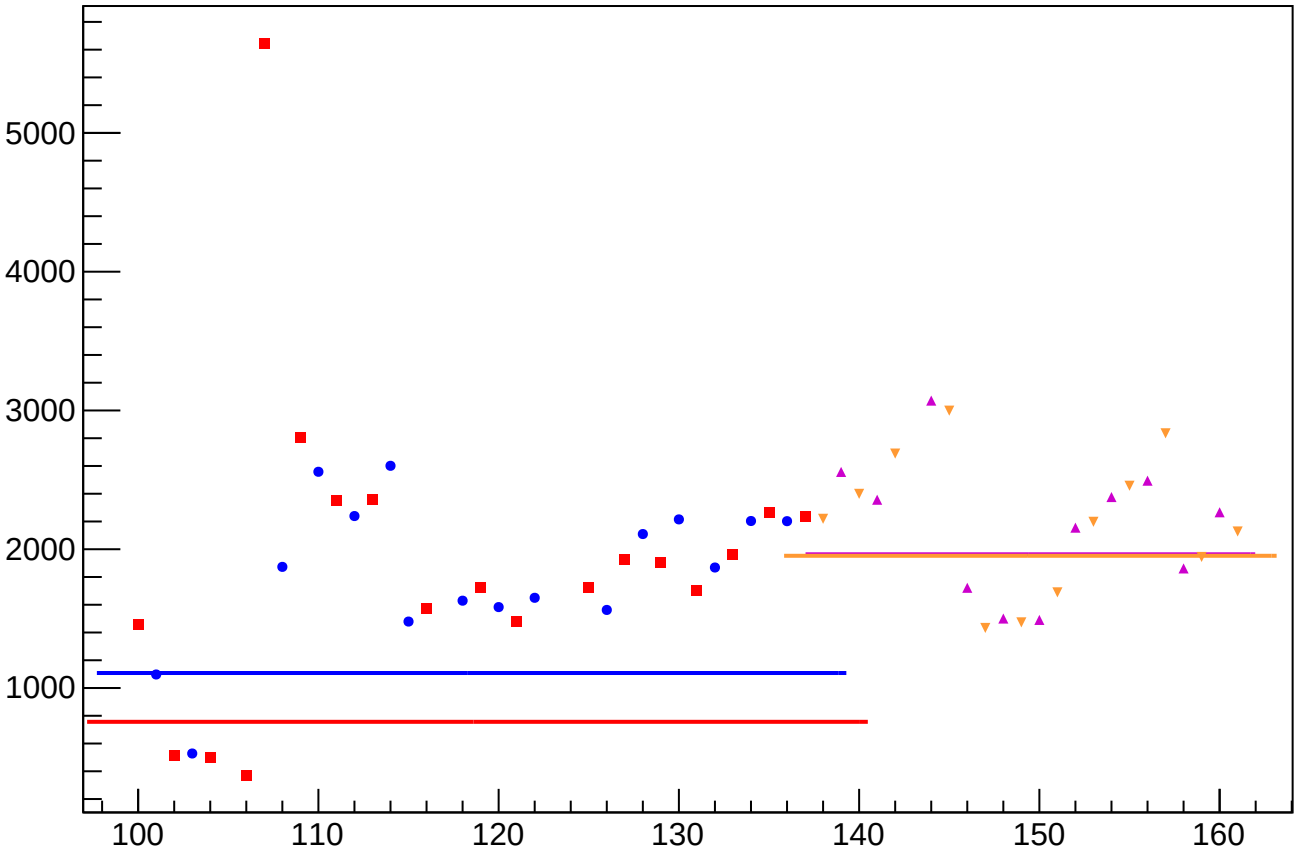
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -551.234+/-653.898 χ^2/NDF:5.0/10

+ sign -237.223+/-389.836 χ^2/NDF: 36.9/27

All: 33.873+/-245.990 χ^2/NDF: 59.6/56

- sign 213.232+/-317.089 χ^2/NDF: 21.9/28



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1952.844+/-0.463 χ^2/NDF:1027638.7/11

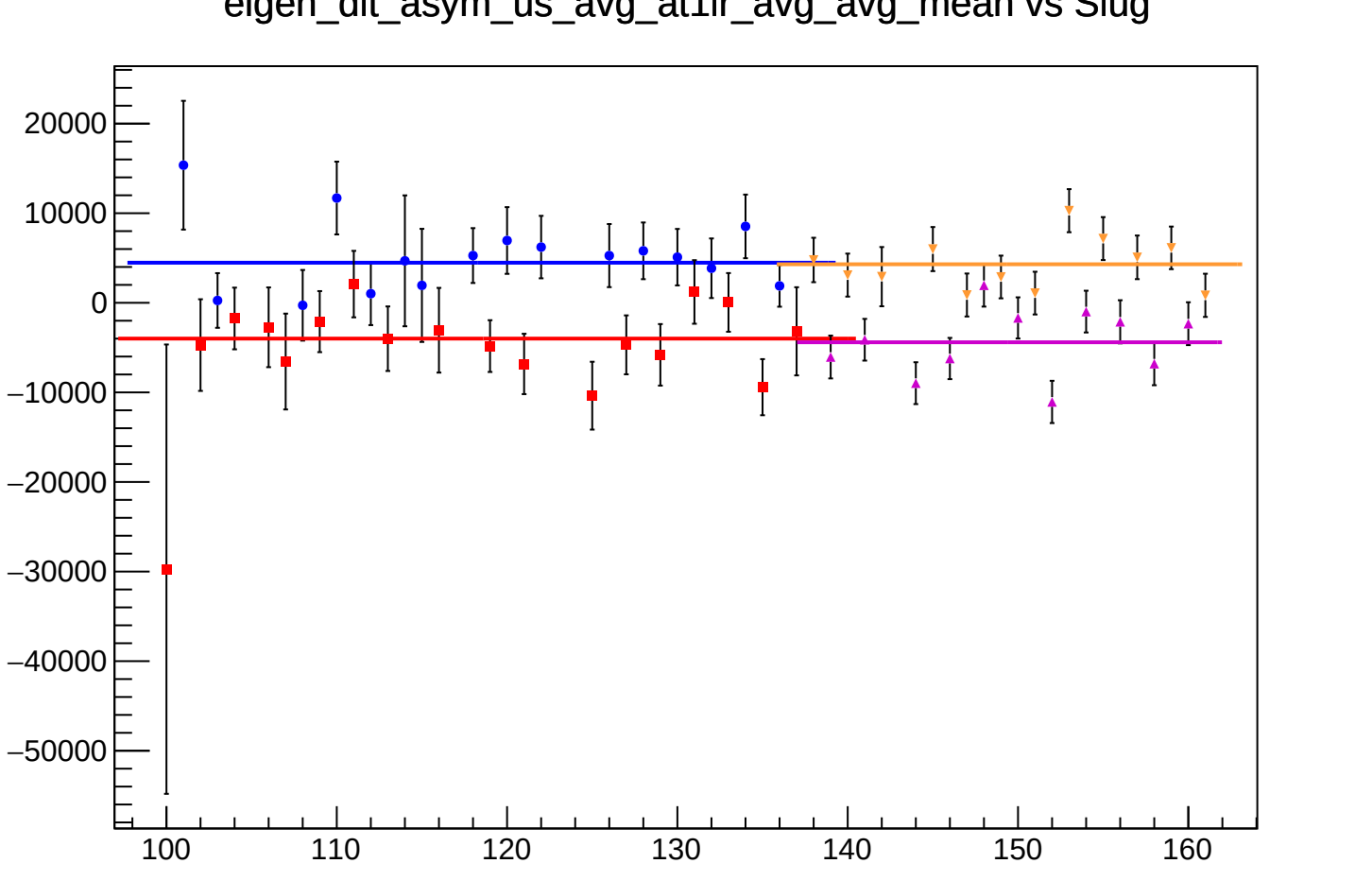
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1963.577+/-0.462 χ^2/NDF:919788.0/10

+ sign 1407.844+/-0.276 χ^2/NDF: 6923713.8/27

All: 1186.634+/-0.174 χ^2/NDF: 19730107.5/5

- sign 1040.280+/-0.224 χ^2/NDF: 11736339.6/28



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4301.942+/-710.054 χ^2/NDF:15.5/11

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

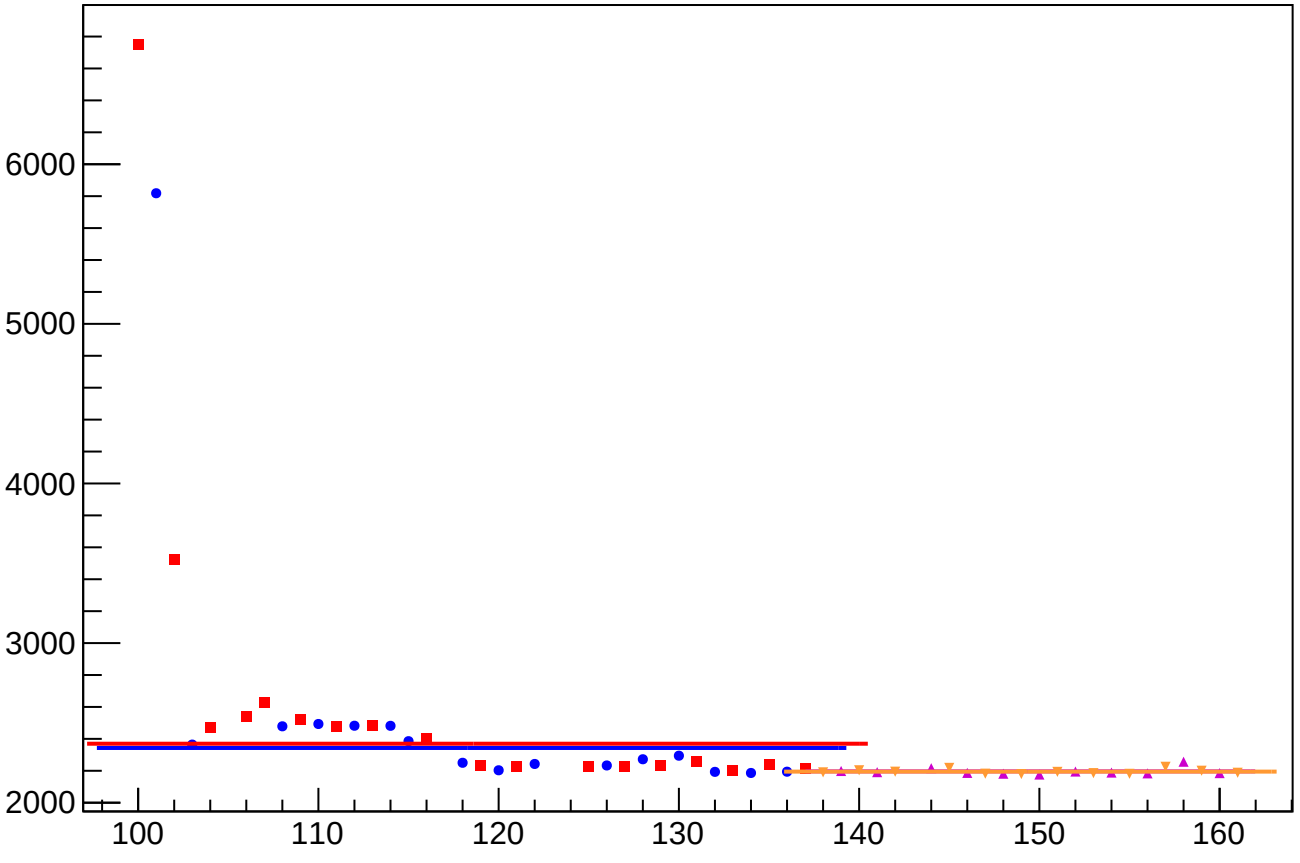
Left In: -4406.896+/-710.410 χ^2/NDF:26.3/10

+ sign 4370.172+/-554.097 χ^2/NDF: 29.1/27

All: 71.139+/-392.240 χ^2/NDF: 191.6/56

- sign -4247.004+/-555.328 χ^2/NDF: 41.9/28

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: 2194.837+/-0.502 χ^2/NDF:790.9/11

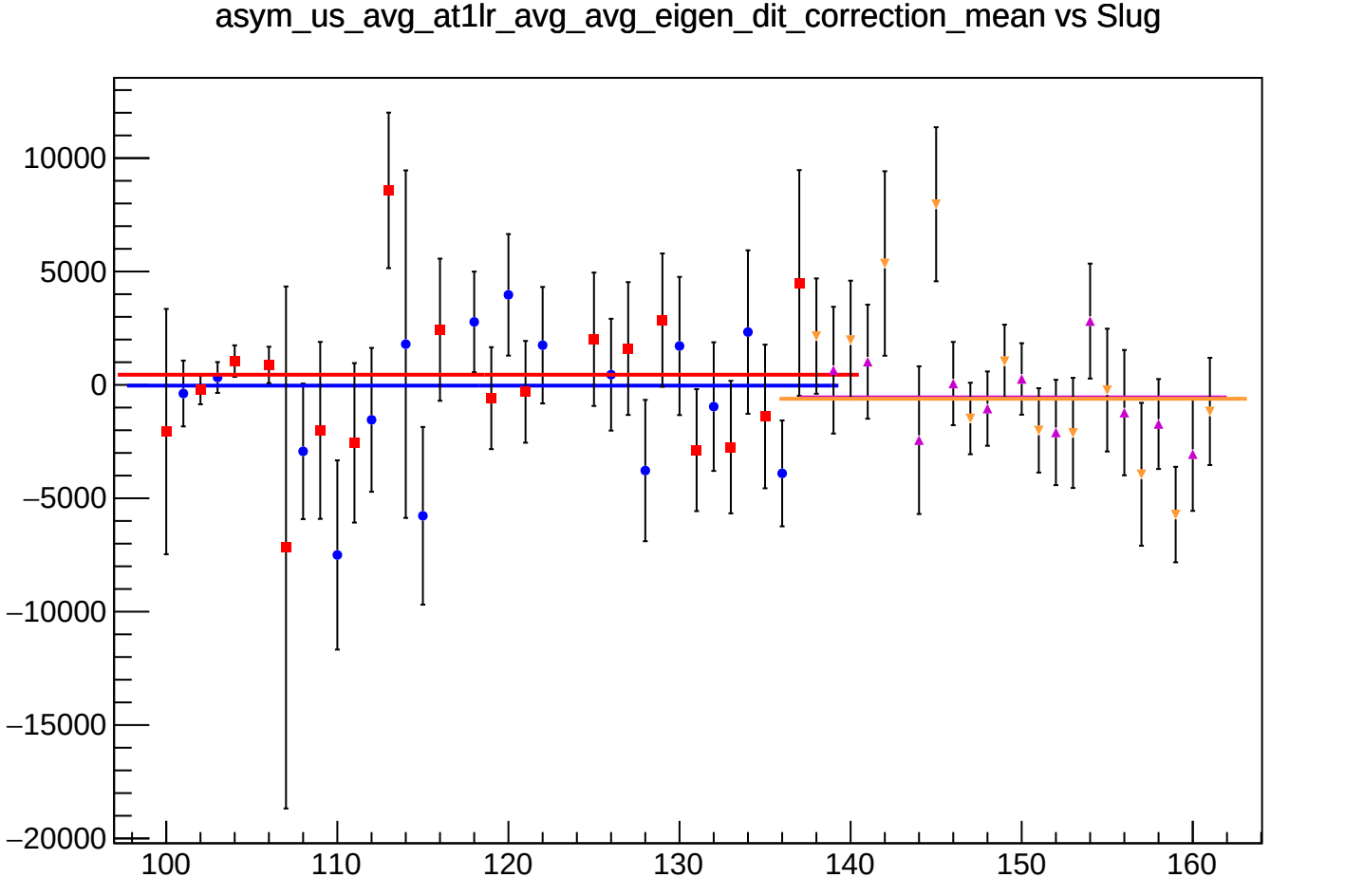
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2196.288+/-0.502 χ^2/NDF:1797.2/10

+ sign 2252.741+/-0.392 χ^2/NDF: 537669.7/27

All: 2258.201+/-0.277 χ^2/NDF: 796285.1/56

- sign 2263.686+/-0.393 χ^2/NDF: 258226.1/28



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -611.519+/-654.467 χ^2/NDF:20.1/11

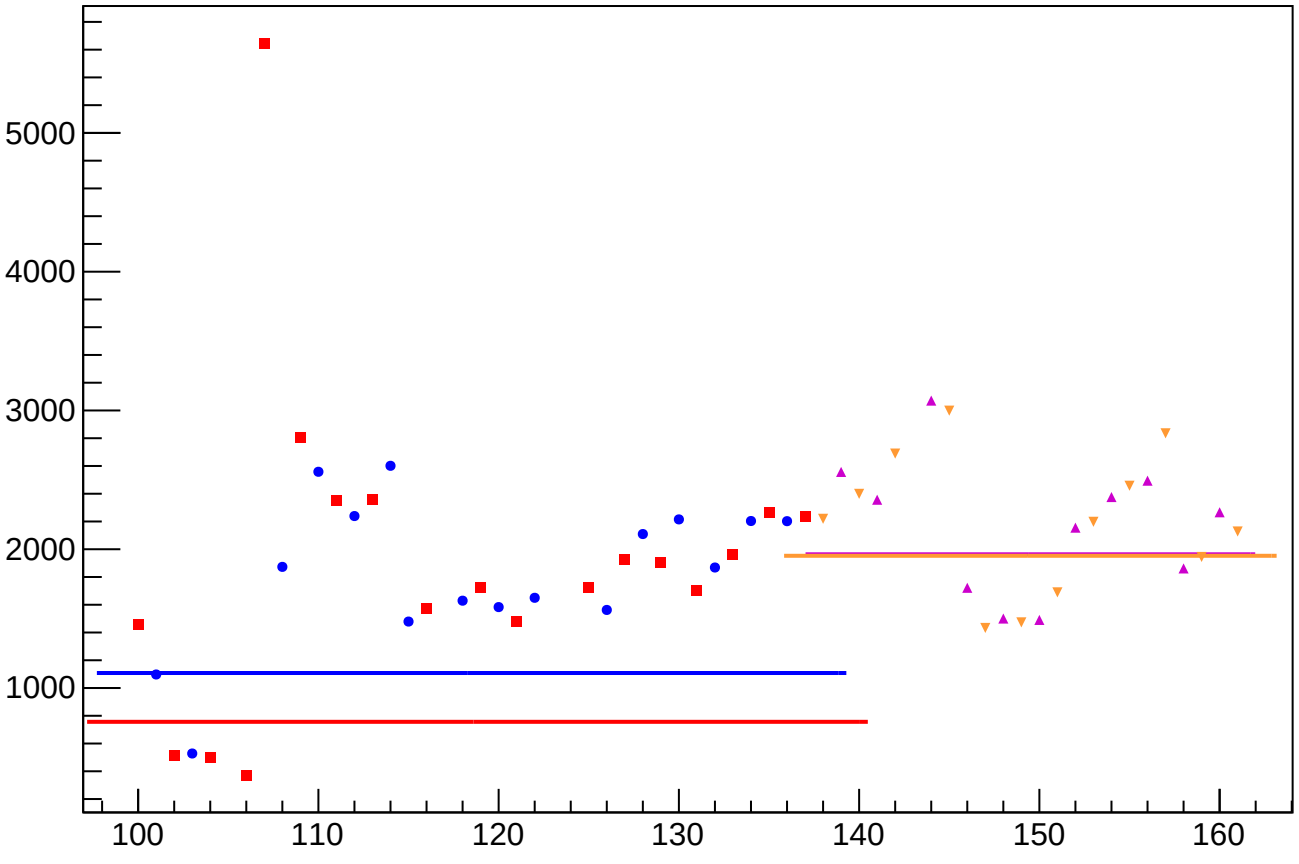
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -551.236+/-653.899 χ^2/NDF:5.0/10

+ sign -237.230+/-389.837 χ^2/NDF: 36.9/27

All: 33.868+/-245.992 χ^2/NDF: 59.6/56

- sign 213.230+/-317.092 χ^2/NDF: 21.9/28



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1952.848+/-0.463 χ^2/NDF:1027638.7/11

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

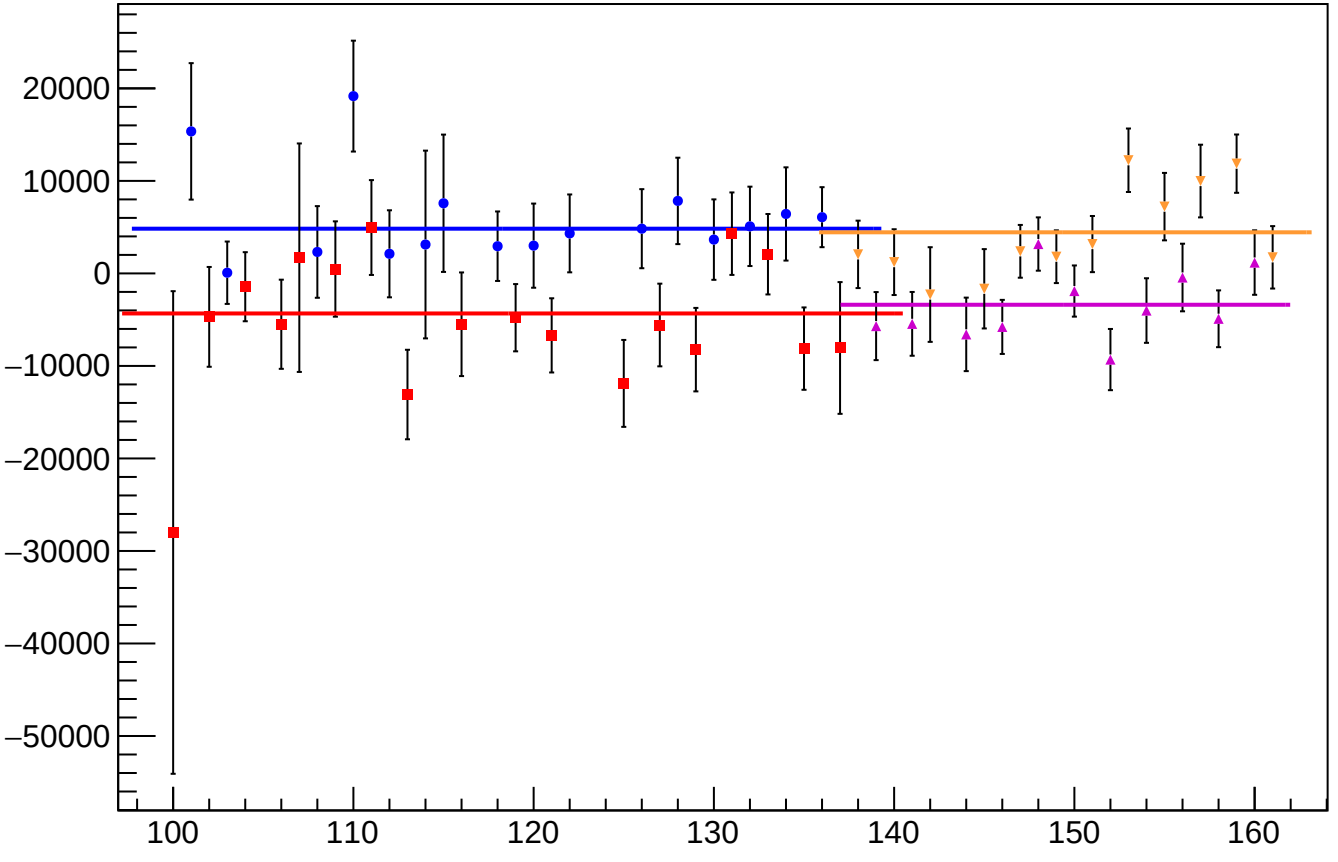
Left In: 1963.581+/-0.462 χ^2/NDF:919787.2/10

+ sign 1407.853+/-0.276 χ^2/NDF: 6923593.4/27

All: 1186.649+/-0.174 χ^2/NDF: 19729659.4/5

- sign 1040.297+/-0.224 χ^2/NDF: 11736074.5/28

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 4442.880+/-992.457 χ^2/NDF:20.5/11

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

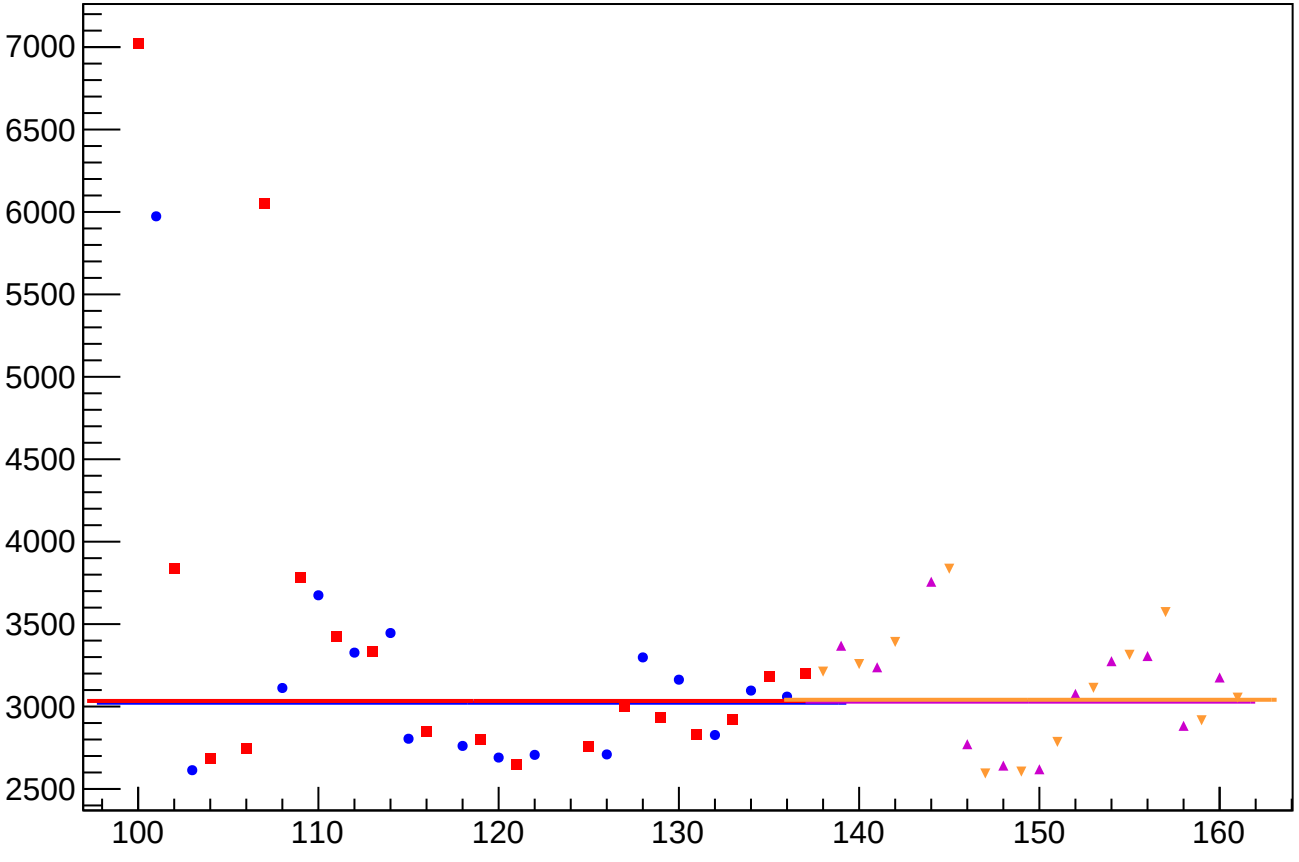
Left In: -3388.526+/-986.979 χ^2/NDF:13.4/10

+ sign 4610.998+/-749.255 χ^2/NDF: 32.2/27

All: 400.638+/-529.164 χ^2/NDF: 128.9/56

- sign -3789.451+/-747.449 χ^2/NDF: 33.7/28

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3041.049+/-0.702 χ^2/NDF:251891.9/11

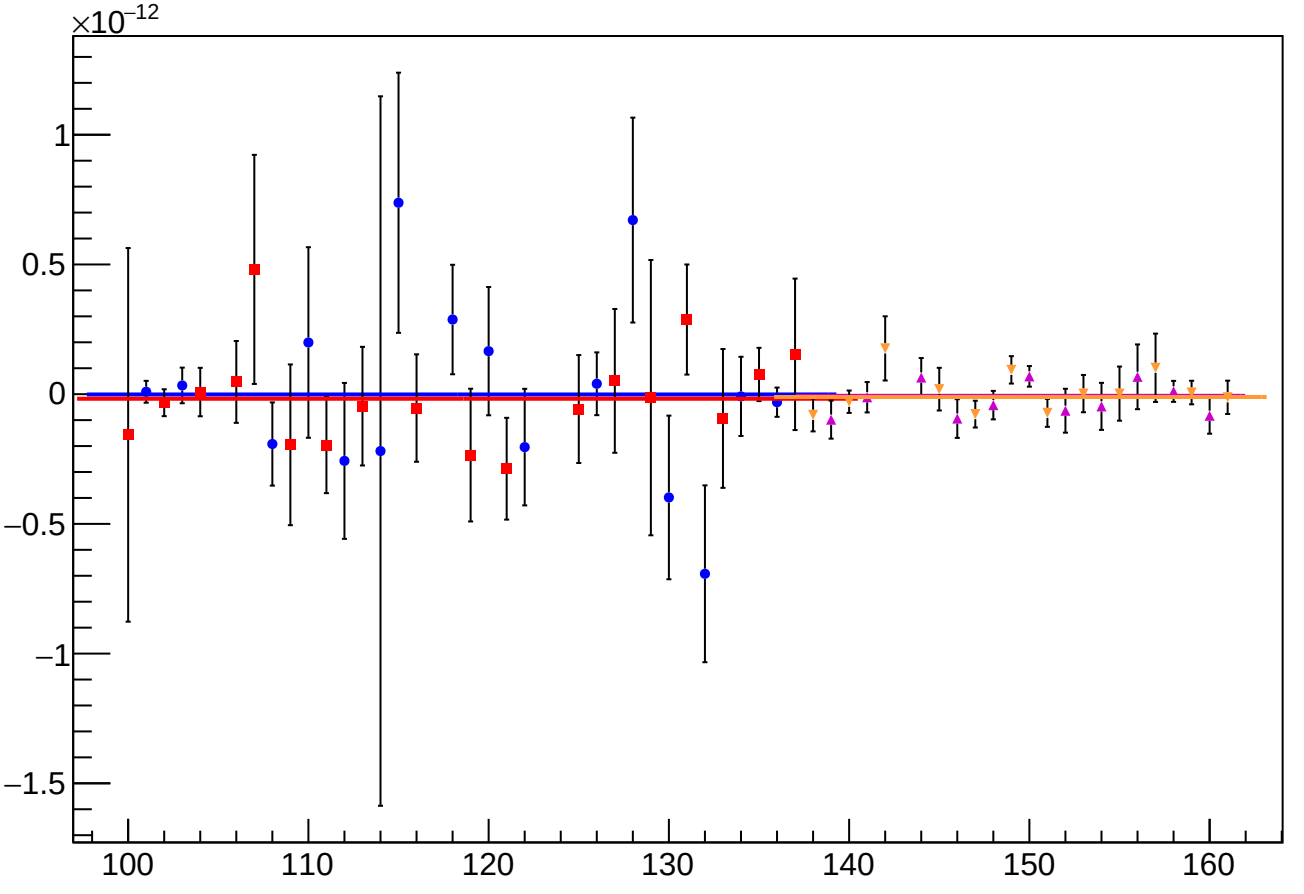
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3029.593+/-0.698 χ^2/NDF:217094.1/10

+ sign 3033.316+/-0.530 χ^2/NDF: 695880.0/27

All: 3032.364+/-0.374 χ^2/NDF: 1255671.2/56

- sign 3031.417+/-0.529 χ^2/NDF: 559784.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/11

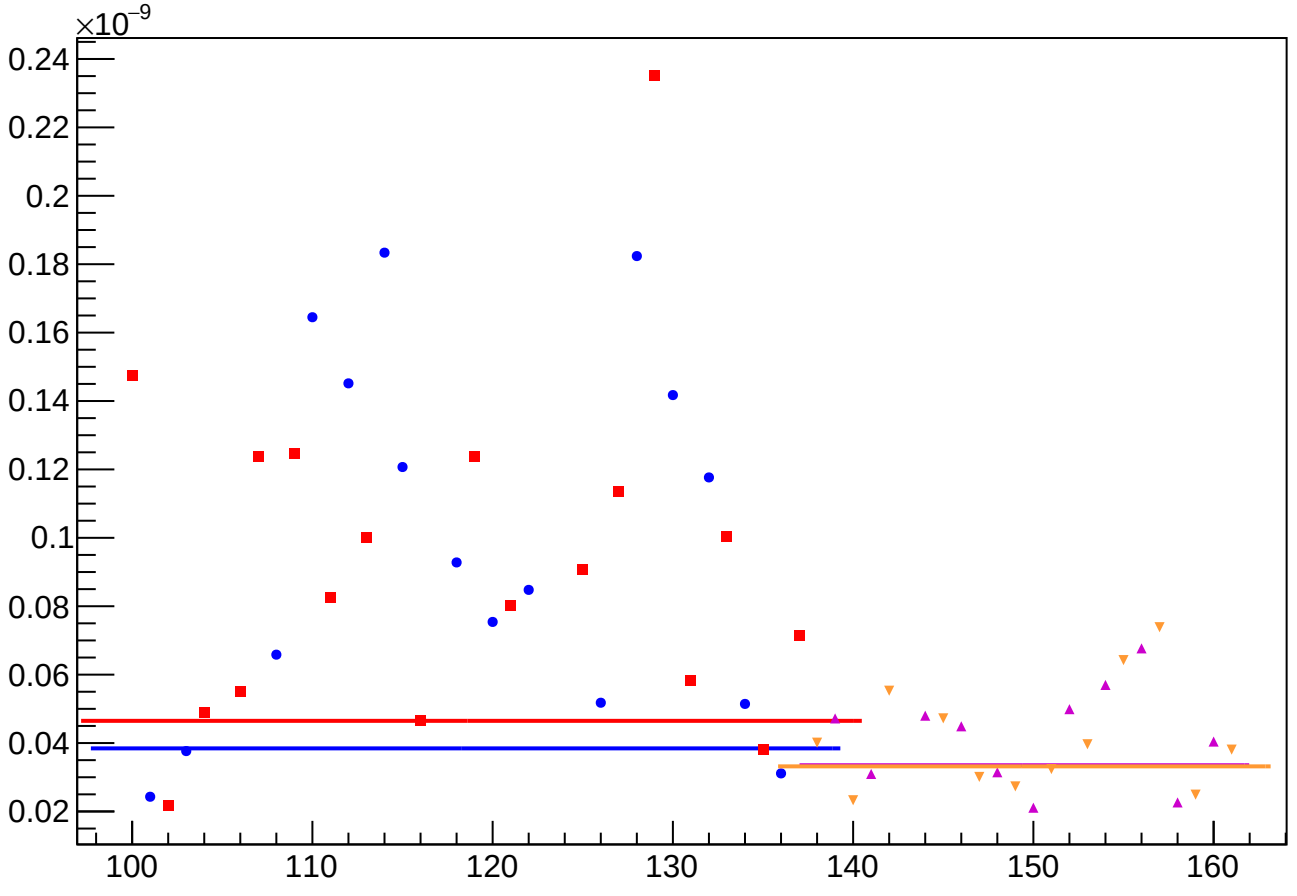
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:10.2/10

+ sign -0.000+/-0.000 χ^2/NDF: 28.7/27

All: -0.000+/-0.000 χ^2/NDF: 48.0/56

- sign -0.000+/-0.000 χ^2/NDF: 19.3/28



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:745878.4/11

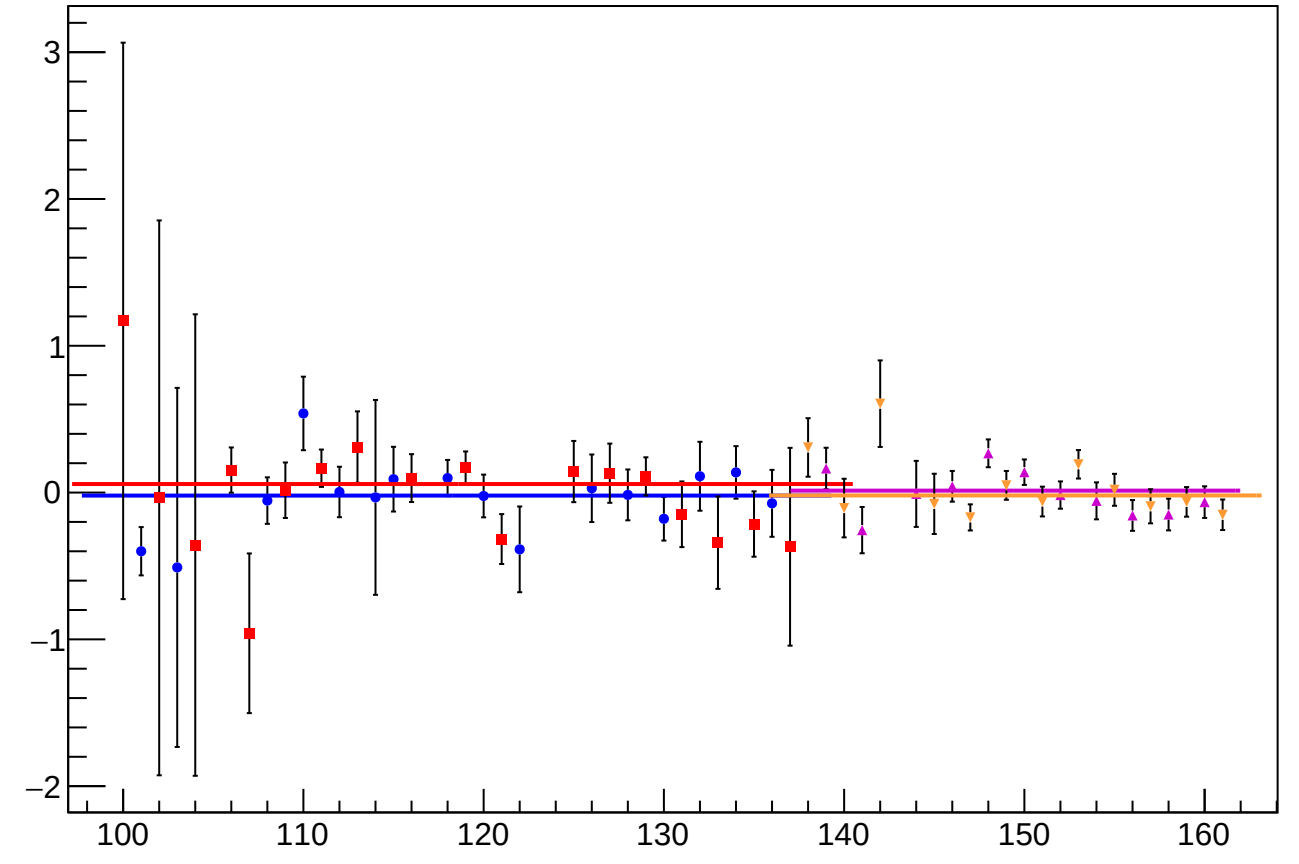
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:916289.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 2569498.7/27

All: 0.000+/-0.000 χ^2/NDF: 5413989.2/56

- sign 0.000+/-0.000 χ^2/NDF: 2833536.3/28



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.020+/-0.034 χ^2/NDF:18.0/11

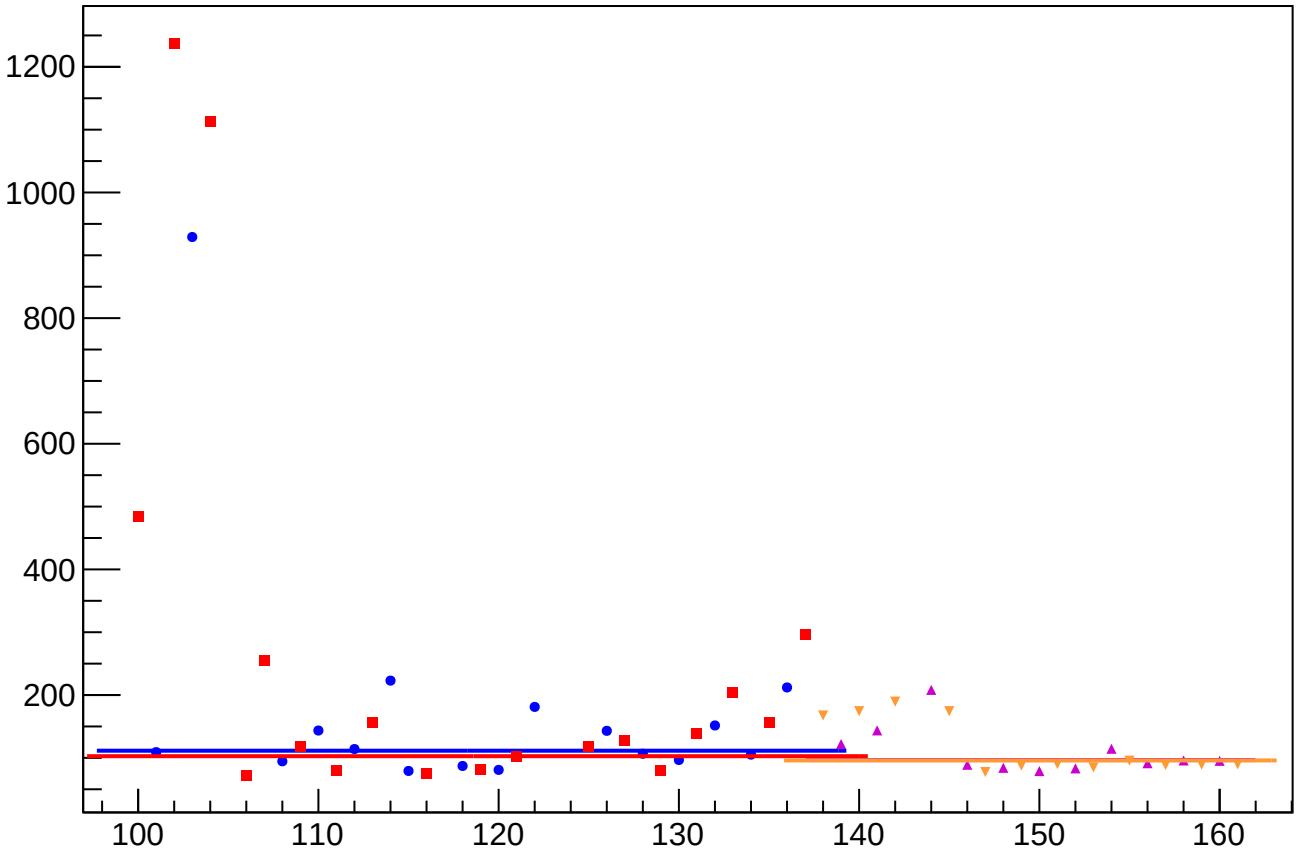
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.013+/-0.034 χ^2/NDF:19.2/10

+ sign -0.020+/-0.028 χ^2/NDF: 33.7/27

All: 0.005+/-0.019 χ^2/NDF: 71.9/56

- sign 0.029+/-0.027 χ^2/NDF: 36.7/28



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 95.891+/-0.024 χ^2/NDF:1216285.2/11

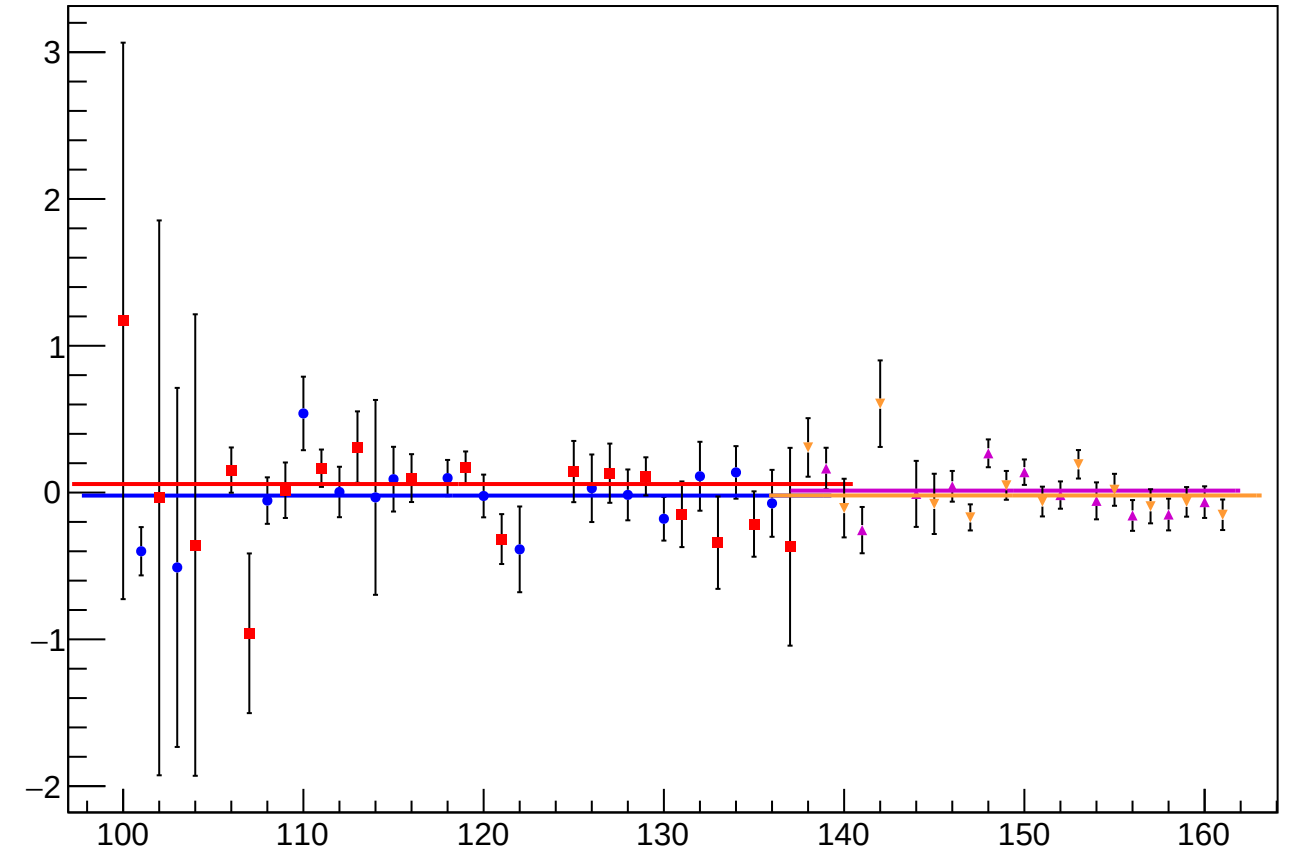
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.523+/-0.024 χ^2/NDF:950263.0/10

+ sign 101.116+/-0.020 χ^2/NDF: 3196420.3/27

All: 99.857+/-0.014 χ^2/NDF: 7004755.5/56

- sign 98.637+/-0.019 χ^2/NDF: 3800167.1/28



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.020+/-0.034 χ^2/NDF:18.0/11

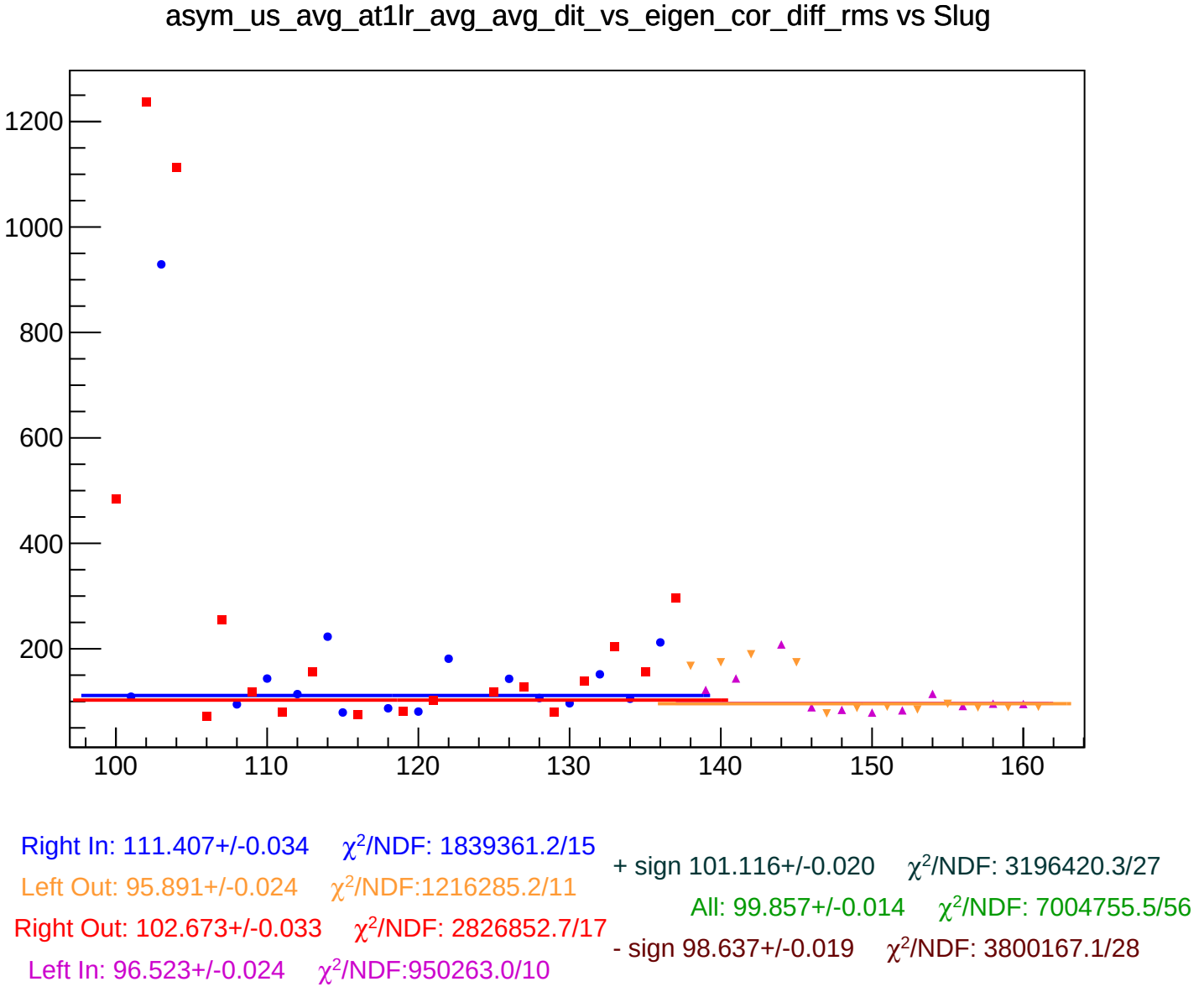
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

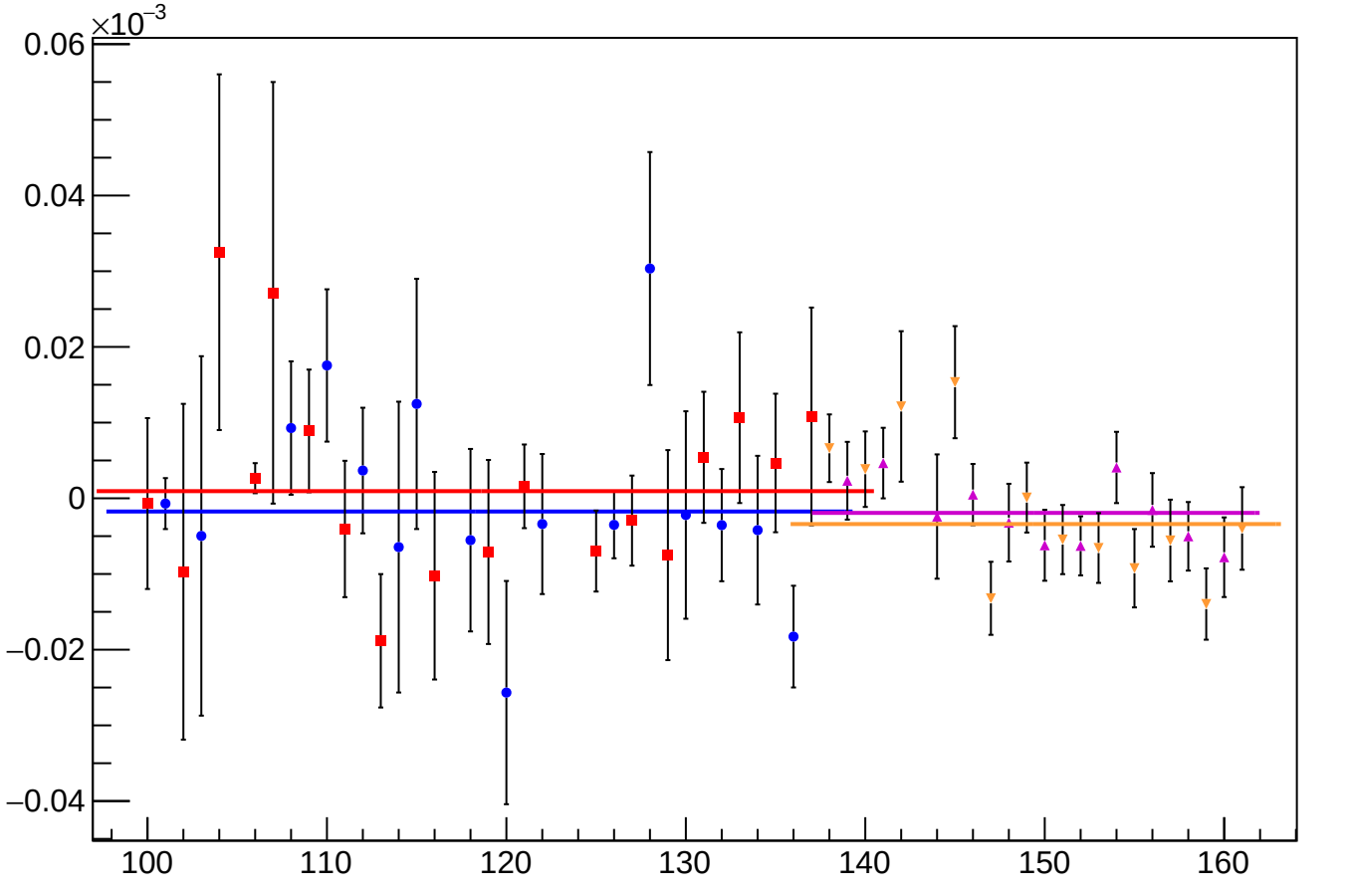
Left In: 0.013+/-0.034 χ^2/NDF:19.2/10

+ sign -0.020+/-0.028 χ^2/NDF: 33.7/27

All: 0.005+/-0.019 χ^2/NDF: 71.9/56

- sign 0.029+/-0.027 χ^2/NDF: 36.7/28


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 95.891+/-0.024 χ²/NDF:1216285.2/11
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 96.523+/-0.024 χ²/NDF:950263.0/10
+ sign 101.116+/-0.020 χ²/NDF: 3196420.3/27
All: 99.857+/-0.014 χ²/NDF: 7004755.5/56
- sign 98.637+/-0.019 χ²/NDF: 3800167.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/11

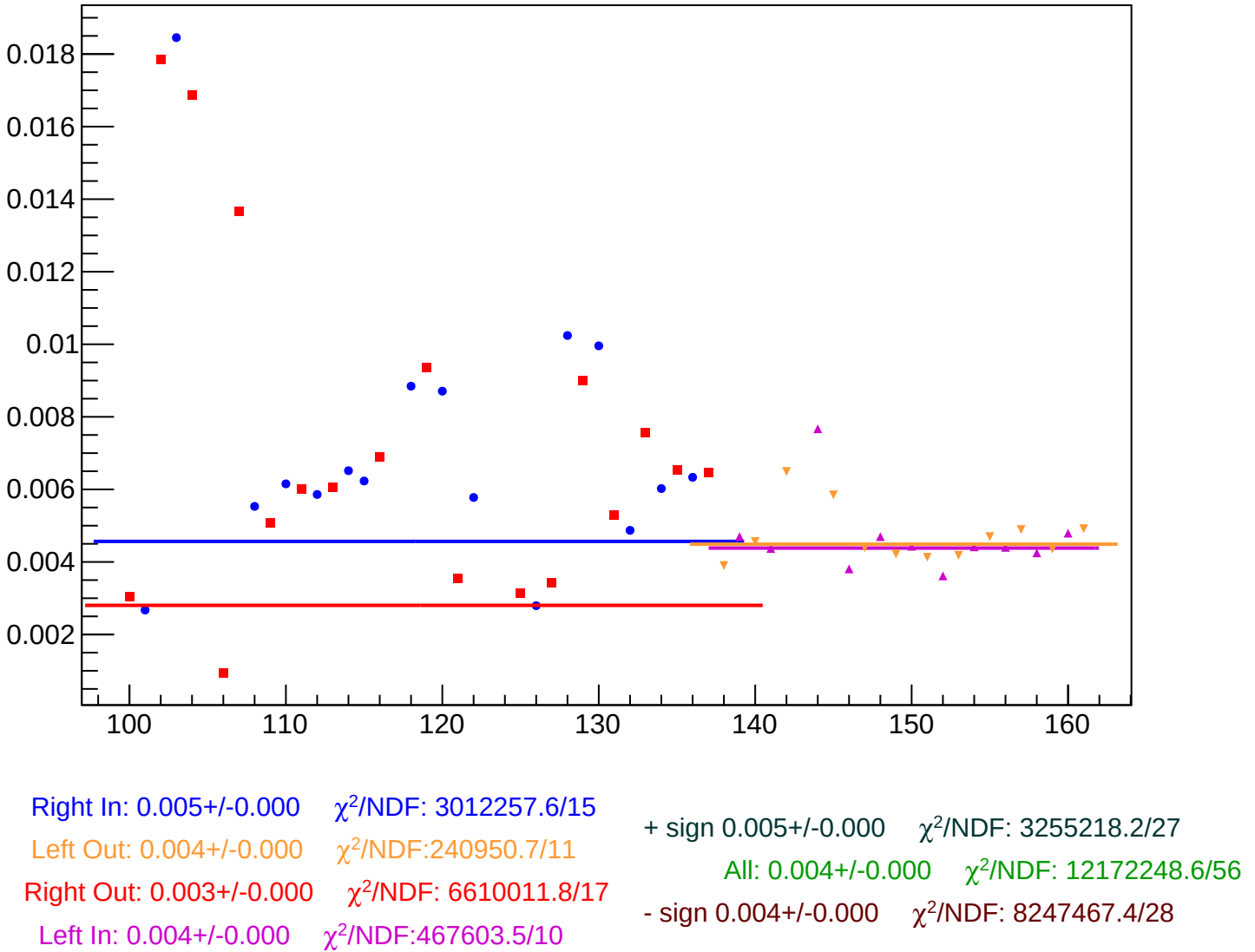
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

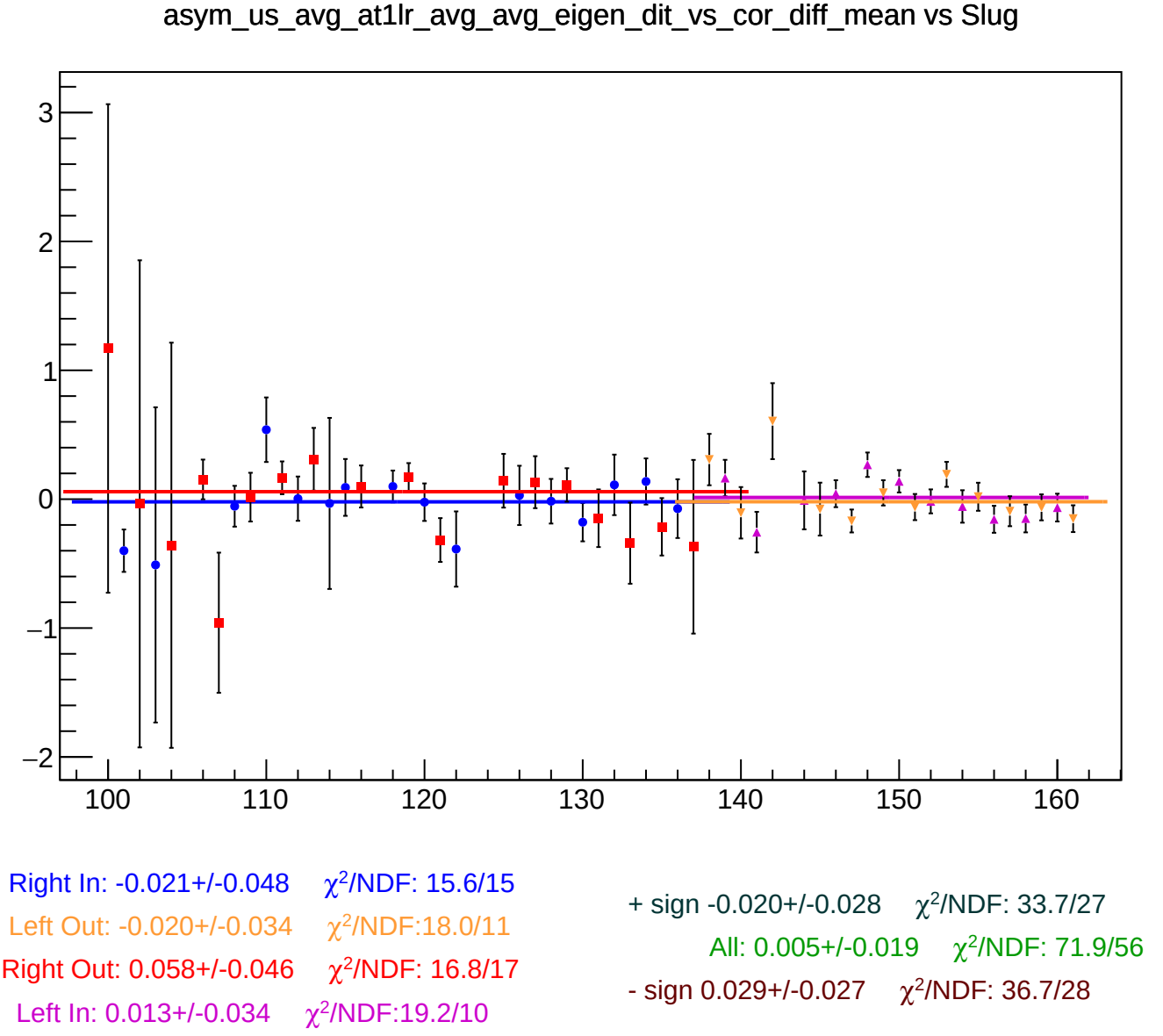
Left In: -0.000+/-0.000 χ^2/NDF:8.5/10

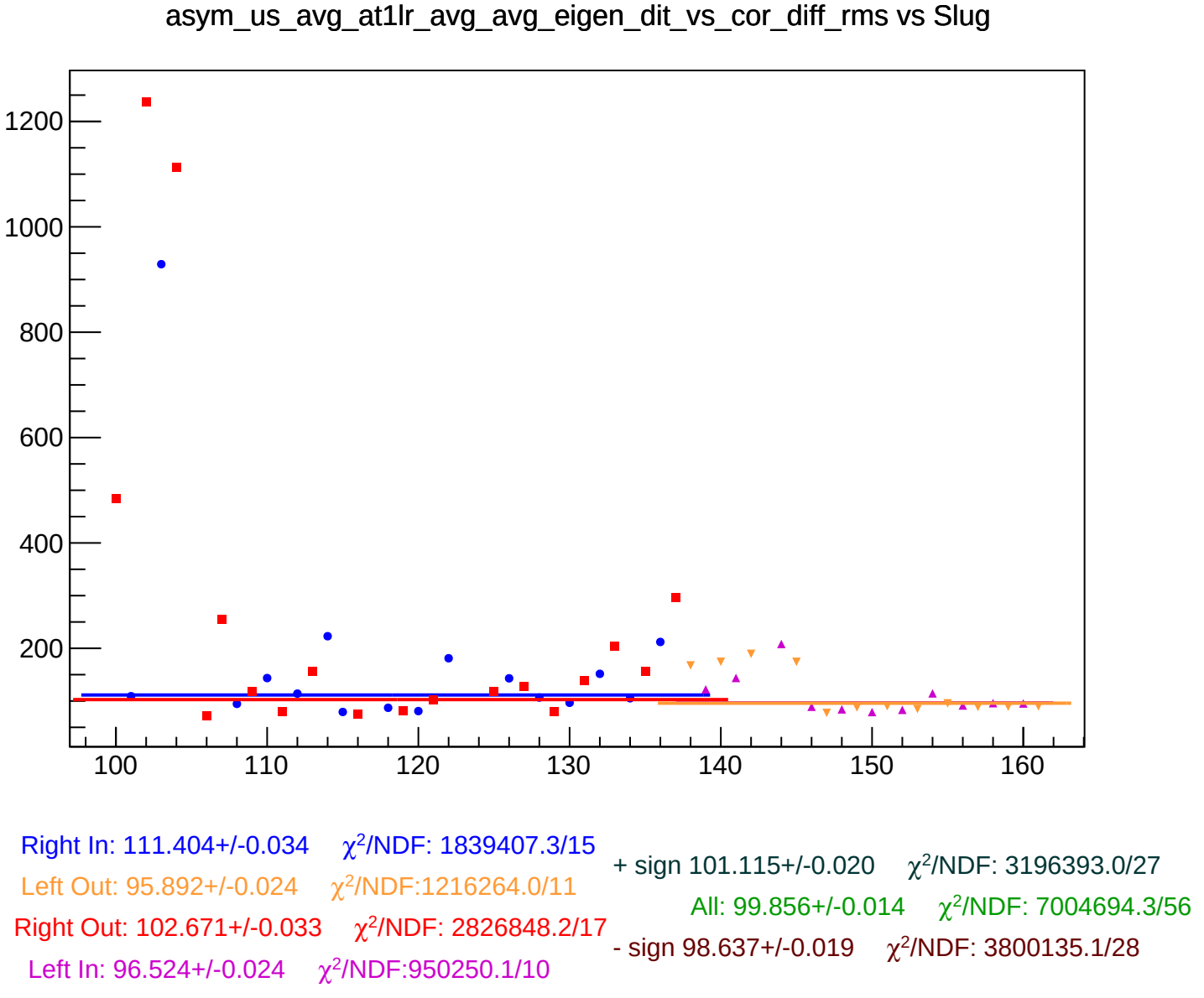
+ sign -0.000+/-0.000 χ^2/NDF: 48.3/27

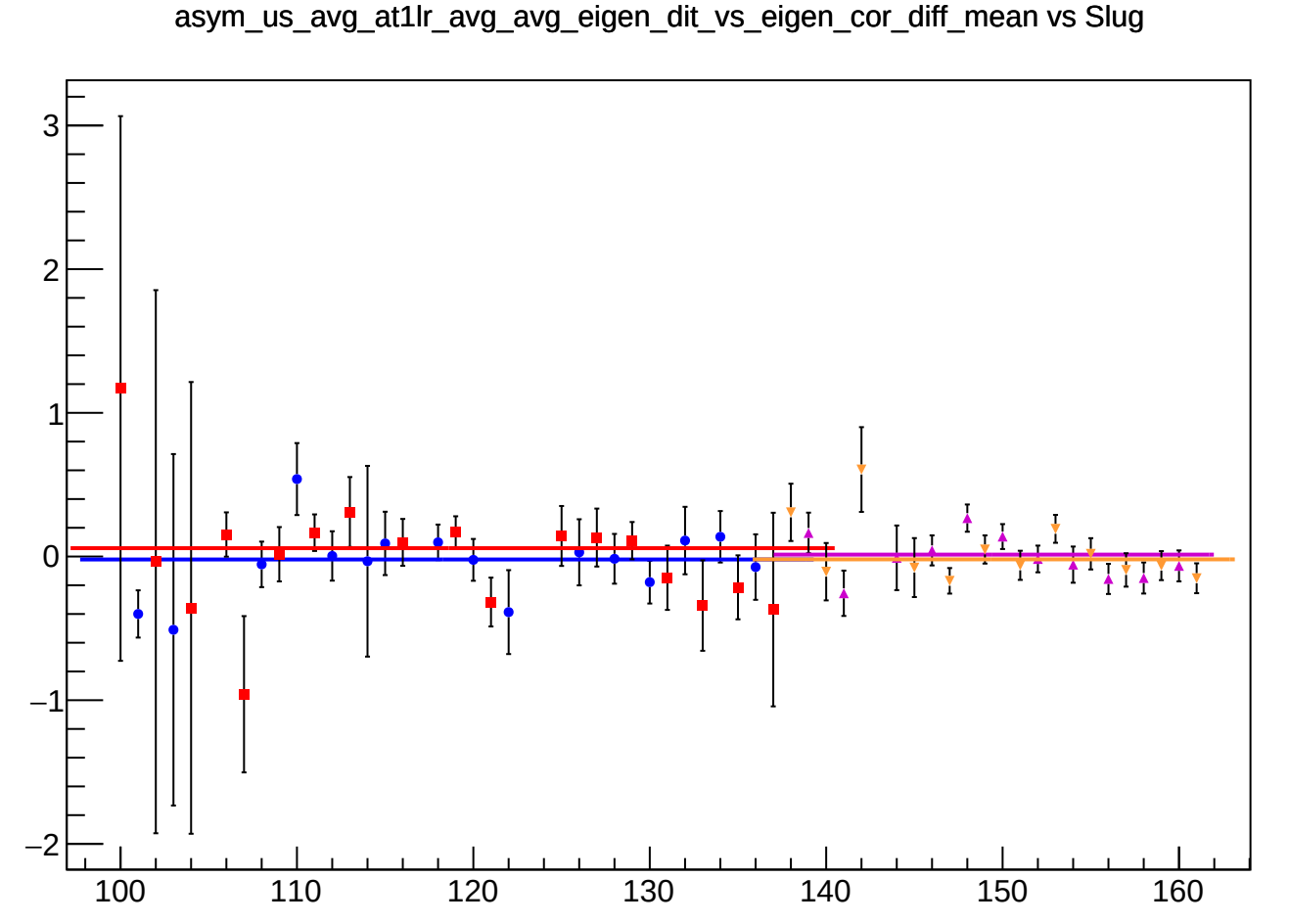
All: -0.000+/-0.000 χ^2/NDF: 76.6/56

- sign -0.000+/-0.000 χ^2/NDF: 26.2/28


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
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:240950.7/11
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:467603.5/10
+ sign 0.005+/-0.000 χ²/NDF: 3255218.2/27
All: 0.004+/-0.000 χ²/NDF: 12172248.6/56
- sign 0.004+/-0.000 χ²/NDF: 8247467.4/28


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.021+/-0.048 χ²/NDF: 15.6/15
Left Out: -0.020+/-0.034 χ²/NDF:18.0/11
Right Out: 0.058+/-0.046 χ²/NDF: 16.8/17
Left In: 0.013+/-0.034 χ²/NDF:19.2/10
+ sign -0.020+/-0.028 χ²/NDF: 33.7/27
All: 0.005+/-0.019 χ²/NDF: 71.9/56
- sign 0.029+/-0.027 χ²/NDF: 36.7/28


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 95.892+/-0.024 χ²/NDF:1216264.0/11
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 96.524+/-0.024 χ²/NDF:950250.1/10
+ sign 101.115+/-0.020 χ²/NDF: 3196393.0/27
All: 99.856+/-0.014 χ²/NDF: 7004694.3/56
- sign 98.637+/-0.019 χ²/NDF: 3800135.1/28



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.020+/-0.034 χ^2/NDF:18.0/11

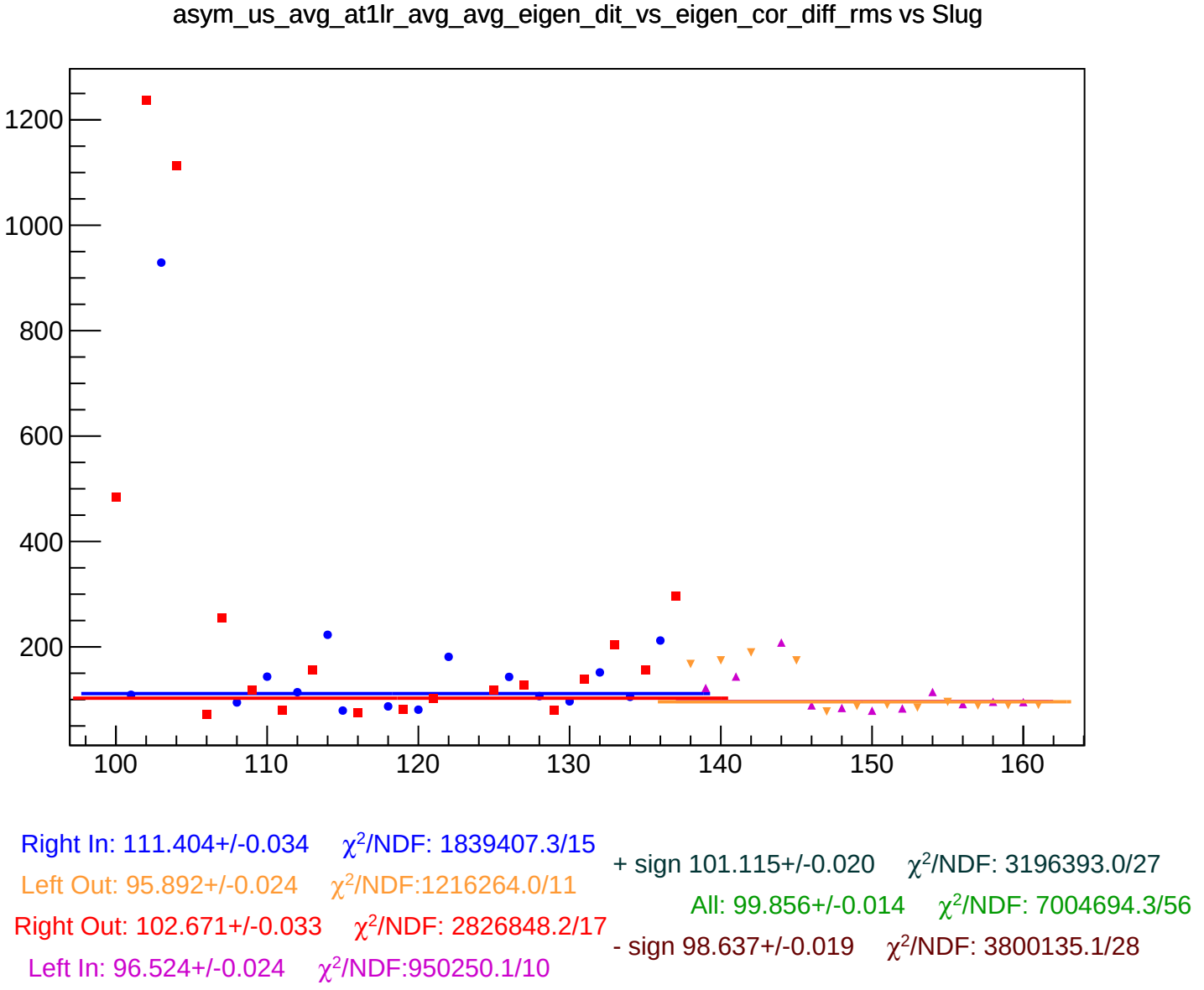
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

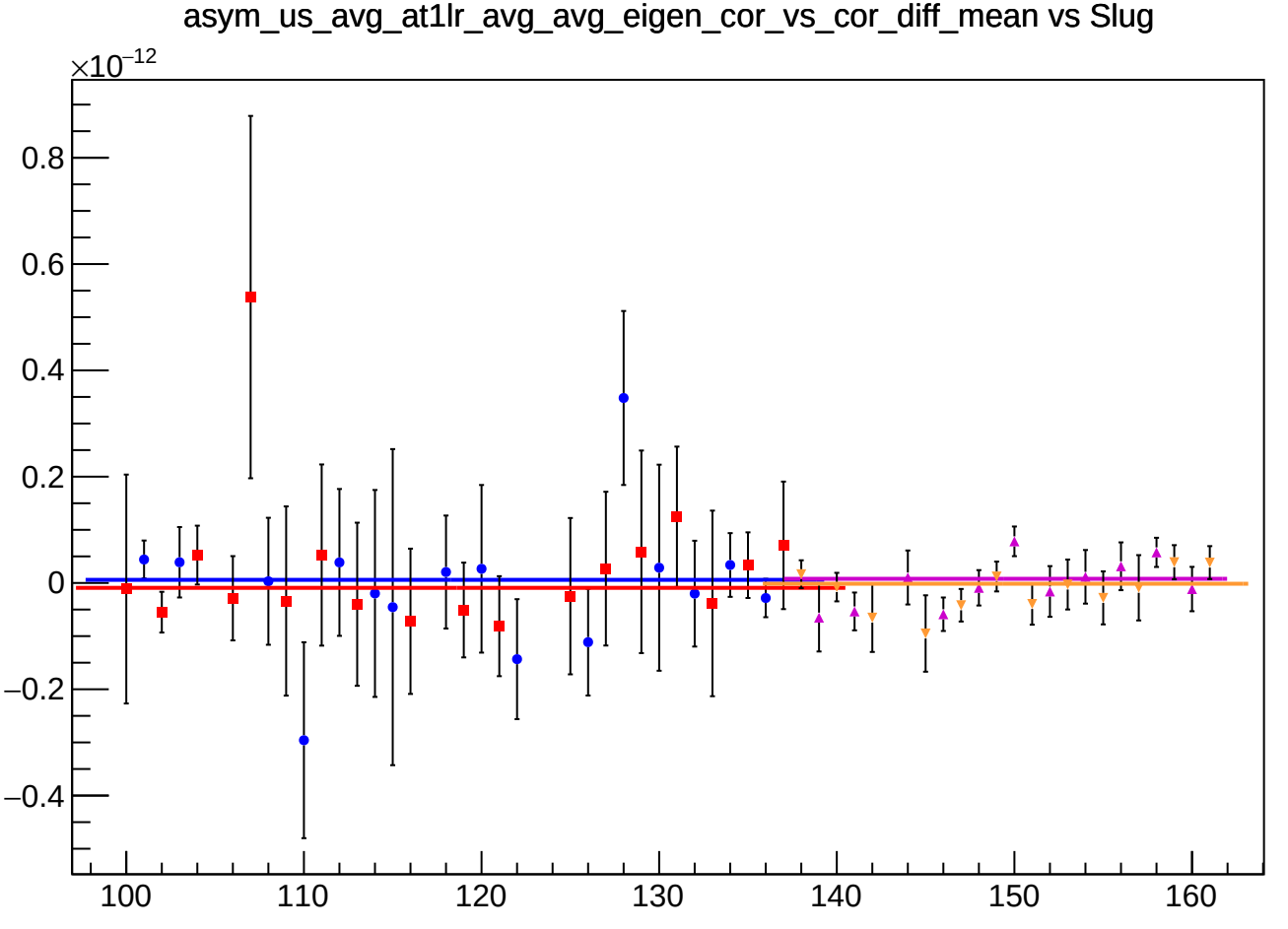
Left In: 0.013+/-0.034 χ^2/NDF:19.2/10

+ sign -0.020+/-0.028 χ^2/NDF: 33.7/27

All: 0.005+/-0.019 χ^2/NDF: 71.9/56

- sign 0.029+/-0.027 χ^2/NDF: 36.7/28


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
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 95.892+/-0.024 χ²/NDF:1216264.0/11
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 96.524+/-0.024 χ²/NDF:950250.1/10
+ sign 101.115+/-0.020 χ²/NDF: 3196393.0/27
All: 99.856+/-0.014 χ²/NDF: 7004694.3/56
- sign 98.637+/-0.019 χ²/NDF: 3800135.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.7/11

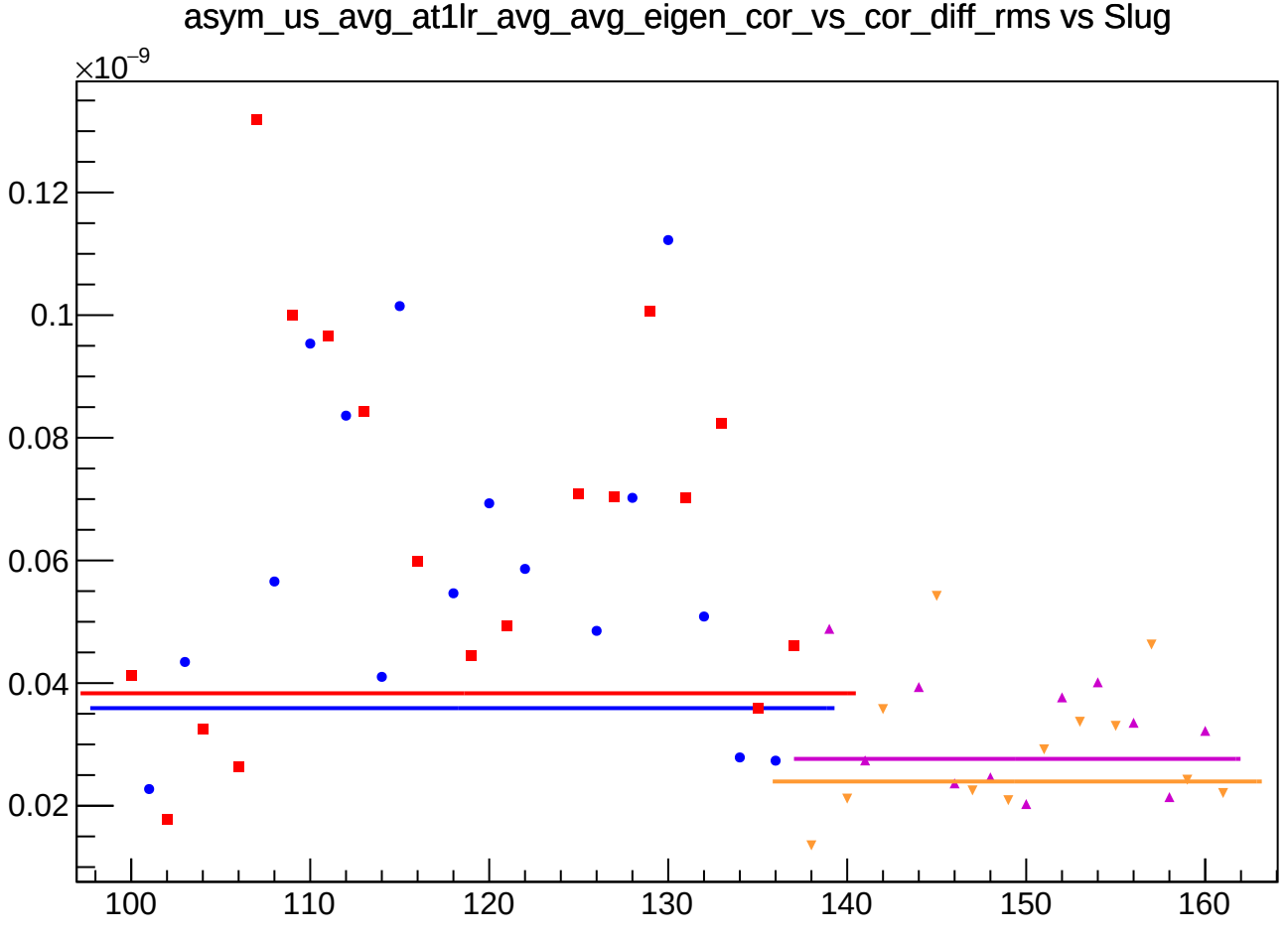
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:19.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 22.7/27

All: 0.000+/-0.000 χ^2/NDF: 51.3/56

- sign 0.000+/-0.000 χ^2/NDF: 28.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1246226.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

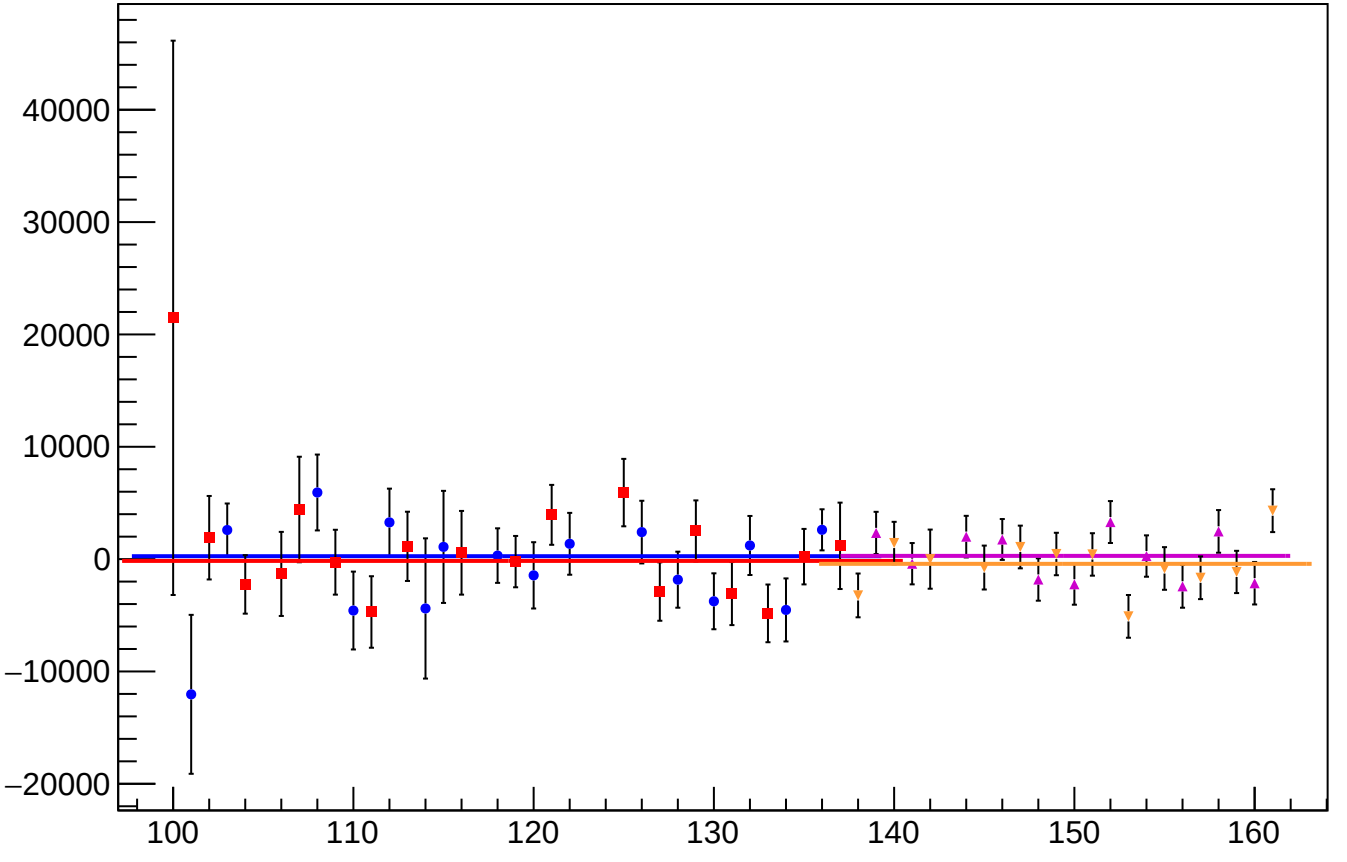
Left In: 0.000+/-0.000 χ^2/NDF:888259.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 3608195.7/27

All: 0.000+/-0.000 χ^2/NDF: 7202459.9/56

- sign 0.000+/-0.000 χ^2/NDF: 3475397.9/28

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -420.996+/-561.176 χ^2/NDF:16.9/11

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

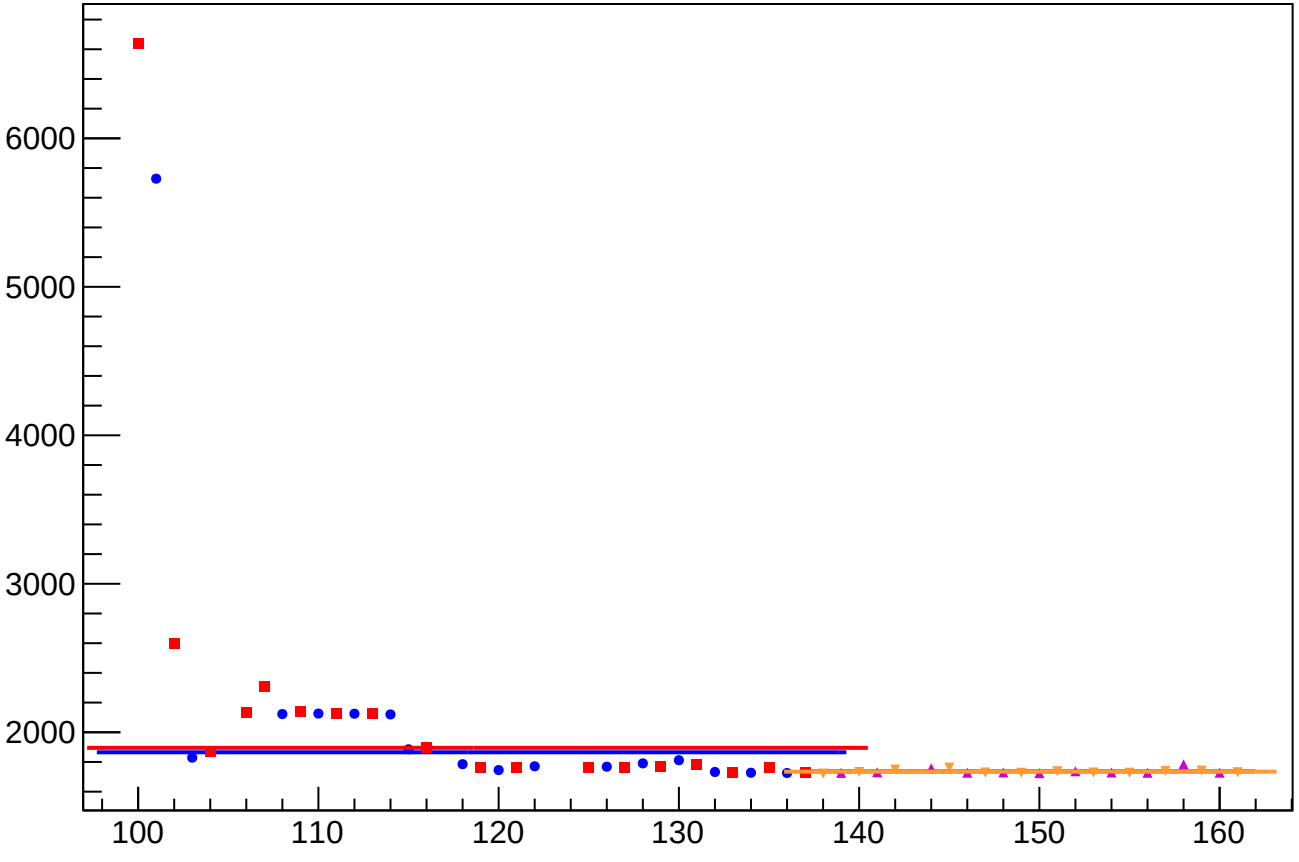
Left In: 288.676+/-561.717 χ^2/NDF:13.6/10

\+ sign -159.203+/-440.190 χ^2/NDF: 36.9/27

All: -21.429+/-311.573 χ^2/NDF: 69.1/56

\- sign 116.900+/-441.074 χ^2/NDF: 31.9/28

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.825+/-0.397 χ^2/NDF:676.0/11

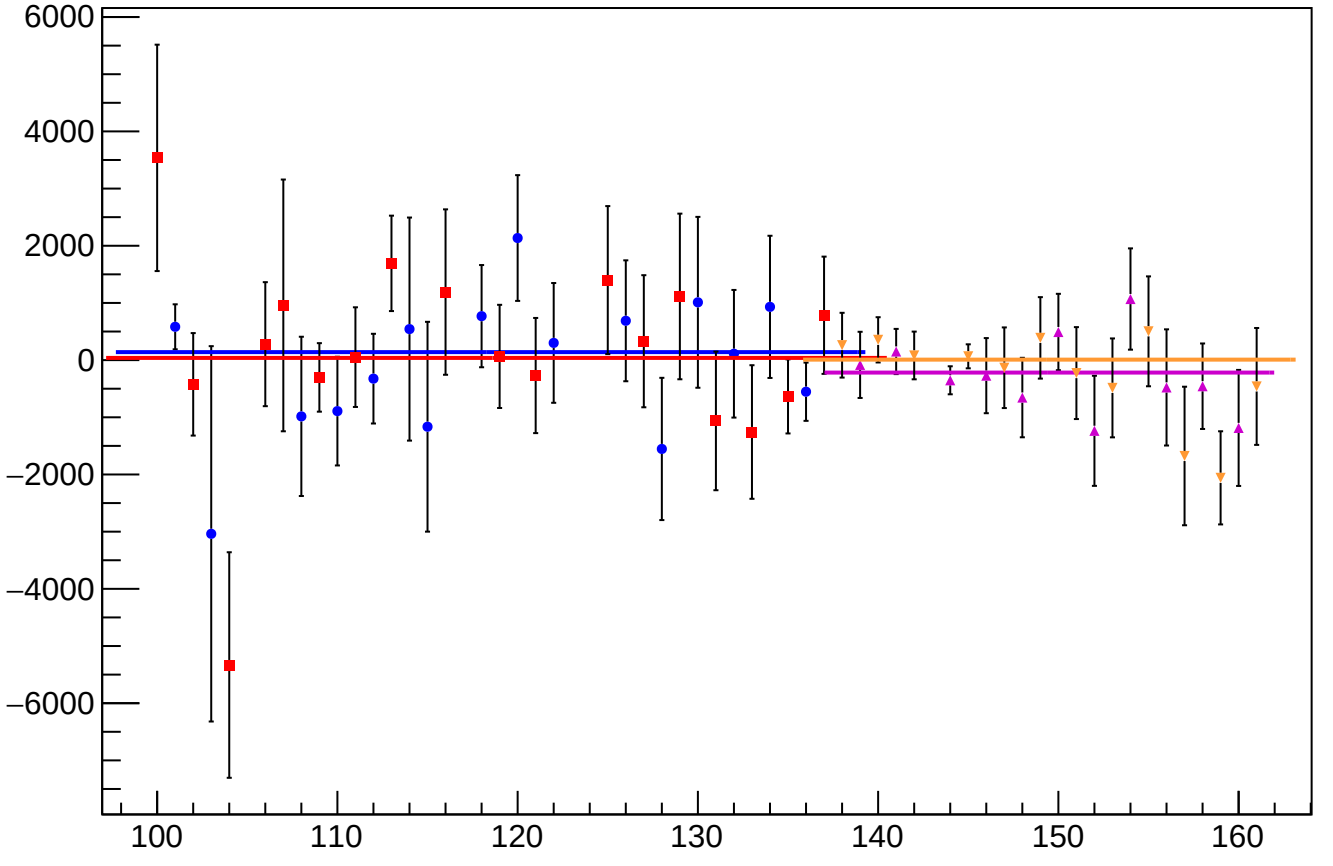
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1736.692+/-0.397 χ^2/NDF:1860.6/10

+ sign 1784.970+/-0.311 χ^2/NDF: 714910.4/27

All: 1791.216+/-0.220 χ^2/NDF: 1029485.5/56

- sign 1797.487+/-0.312 χ^2/NDF: 313768.1/28



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 8.476+/-142.802 χ^2/NDF:10.7/11

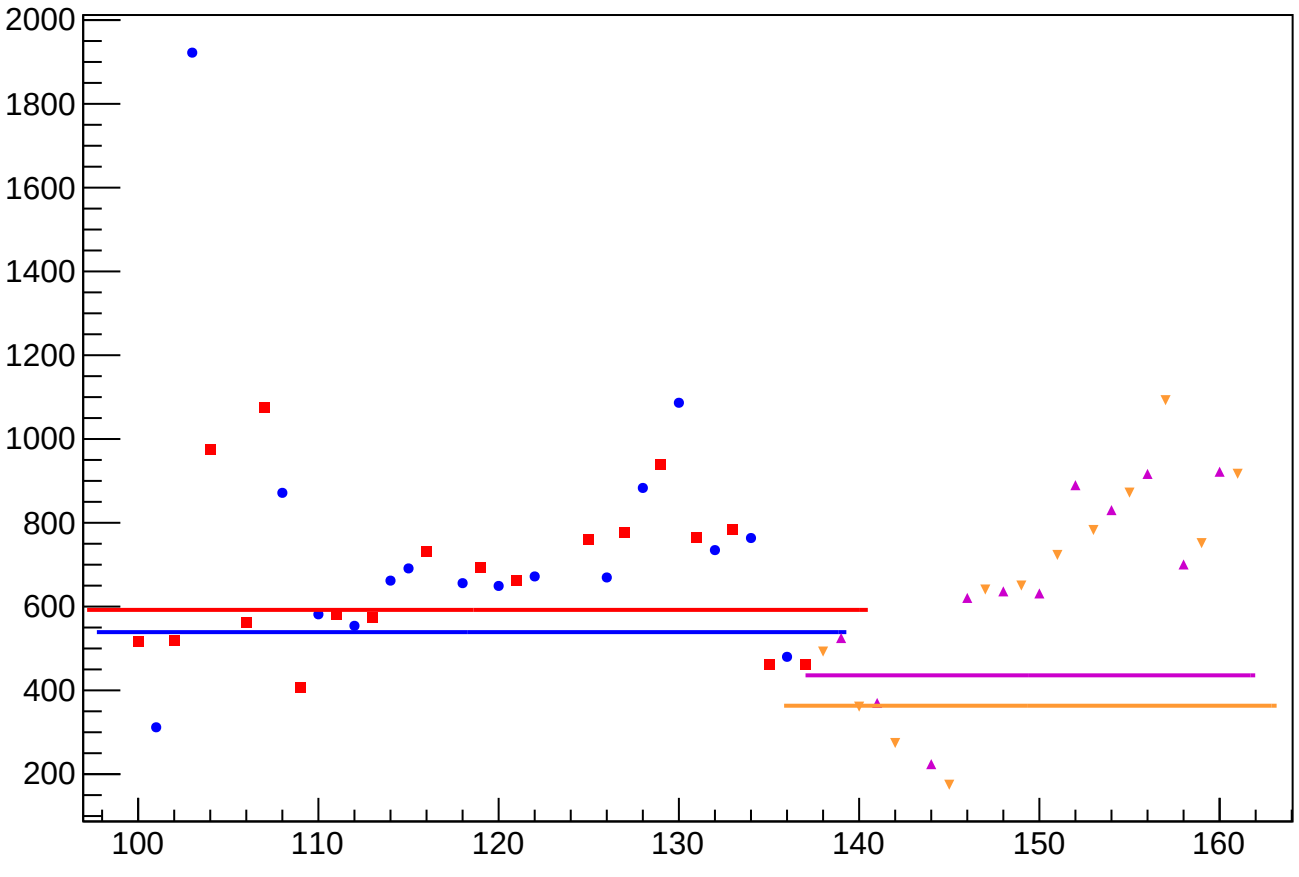
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -217.874+/-160.635 χ^2/NDF:7.1/10

\+ sign 47.379+/-119.797 χ^2/NDF: 24.4/27

All: -35.395+/-89.069 χ^2/NDF: 54.7/56

\- sign -137.713+/-133.191 χ^2/NDF: 29.3/28



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 363.356+/-0.101 χ^2/NDF:5640597.7/11

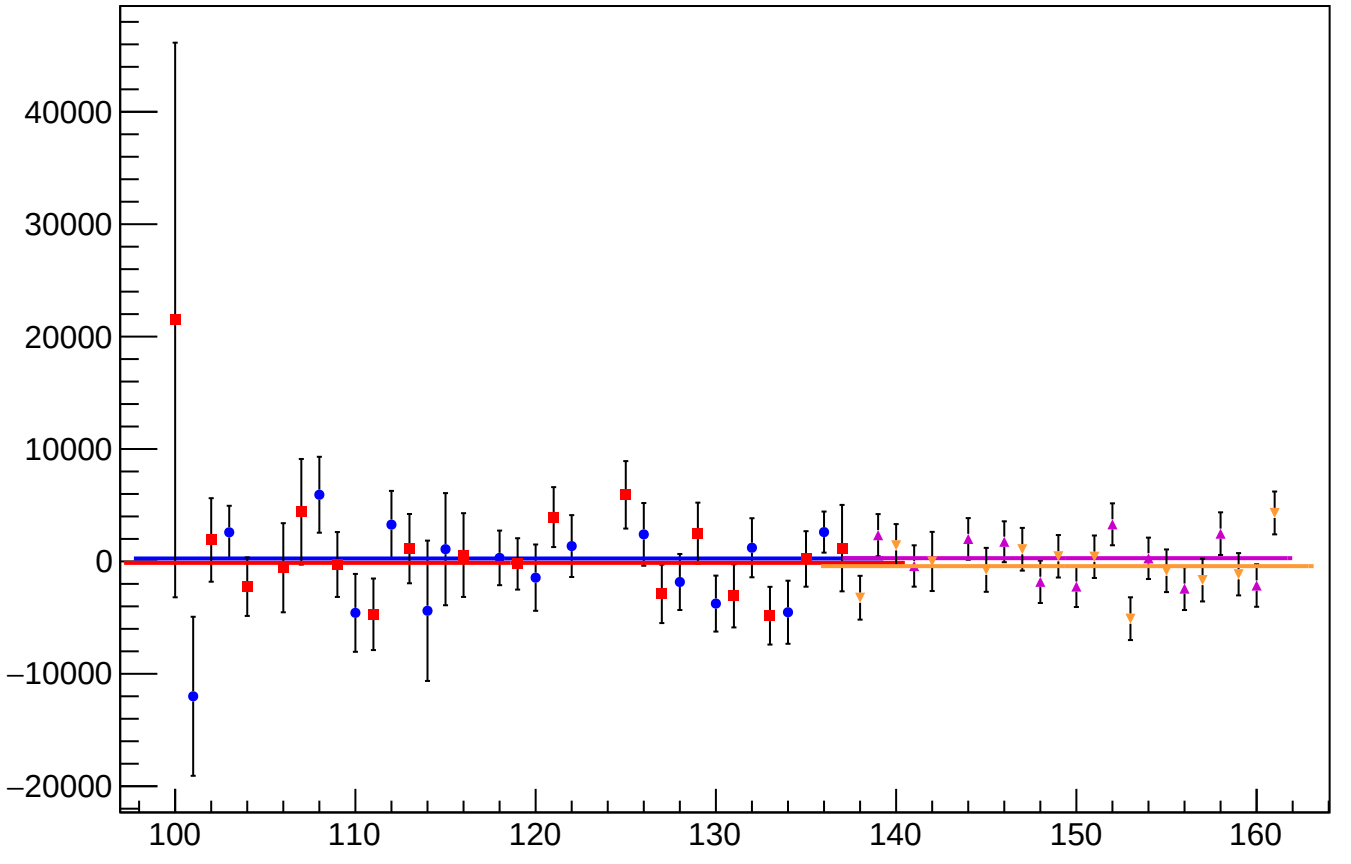
Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 435.878+/-0.114 χ^2/NDF:4094374.9/10

+ sign 415.394+/-0.085 χ^2/NDF: 8391686.9/27

All: 446.388+/-0.063 χ^2/NDF: 14219640.2/56

- sign 484.700+/-0.094 χ^2/NDF: 5528602.1/28



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -420.983+/-561.176 χ^2/NDF:16.9/11

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

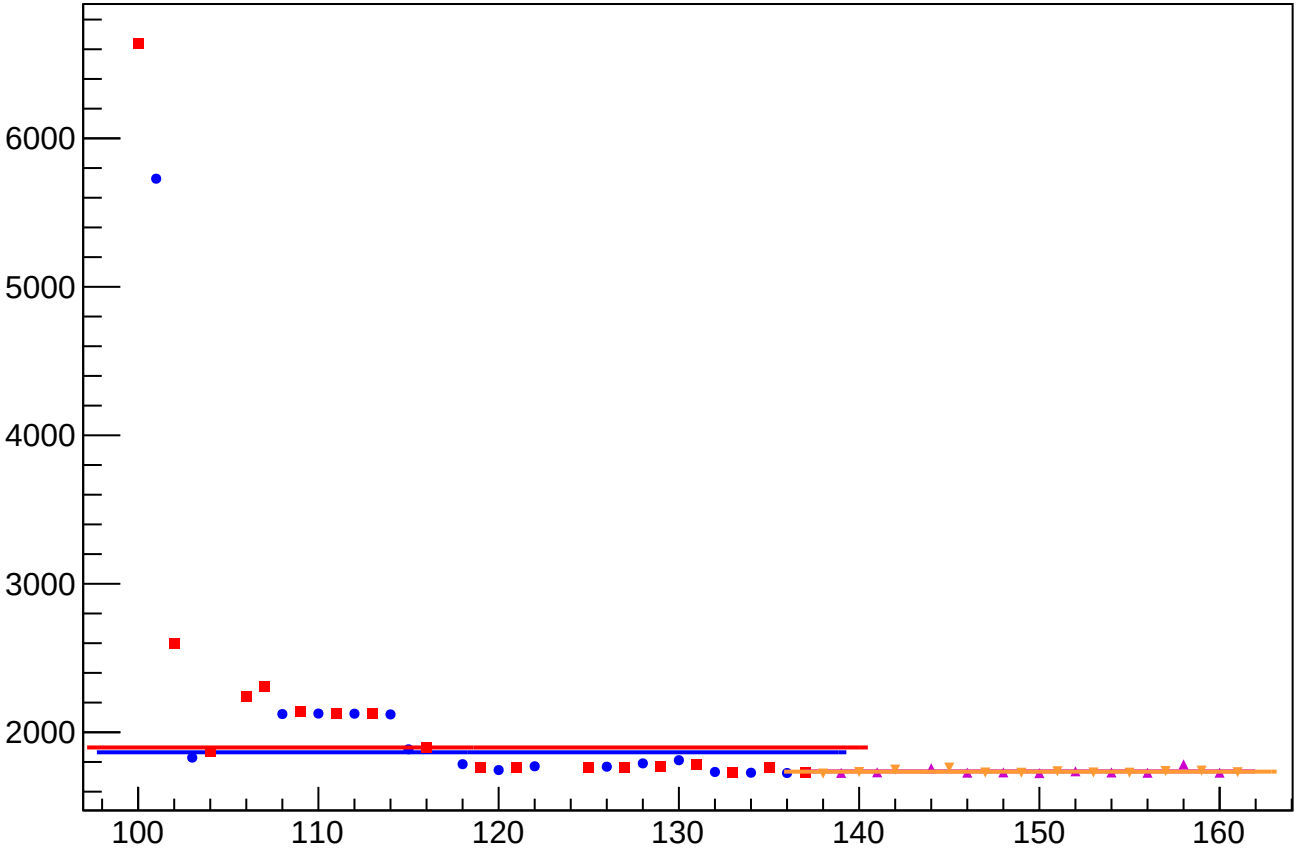
Left In: 288.719+/-561.717 χ^2/NDF:13.6/10

\+ sign -159.123+/-440.190 χ^2/NDF: 36.9/27

All: -15.687+/-311.691 χ^2/NDF: 68.9/56

\- sign 128.545+/-441.408 χ^2/NDF: 31.8/28

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.826+/-0.397 χ^2/NDF:676.0/11

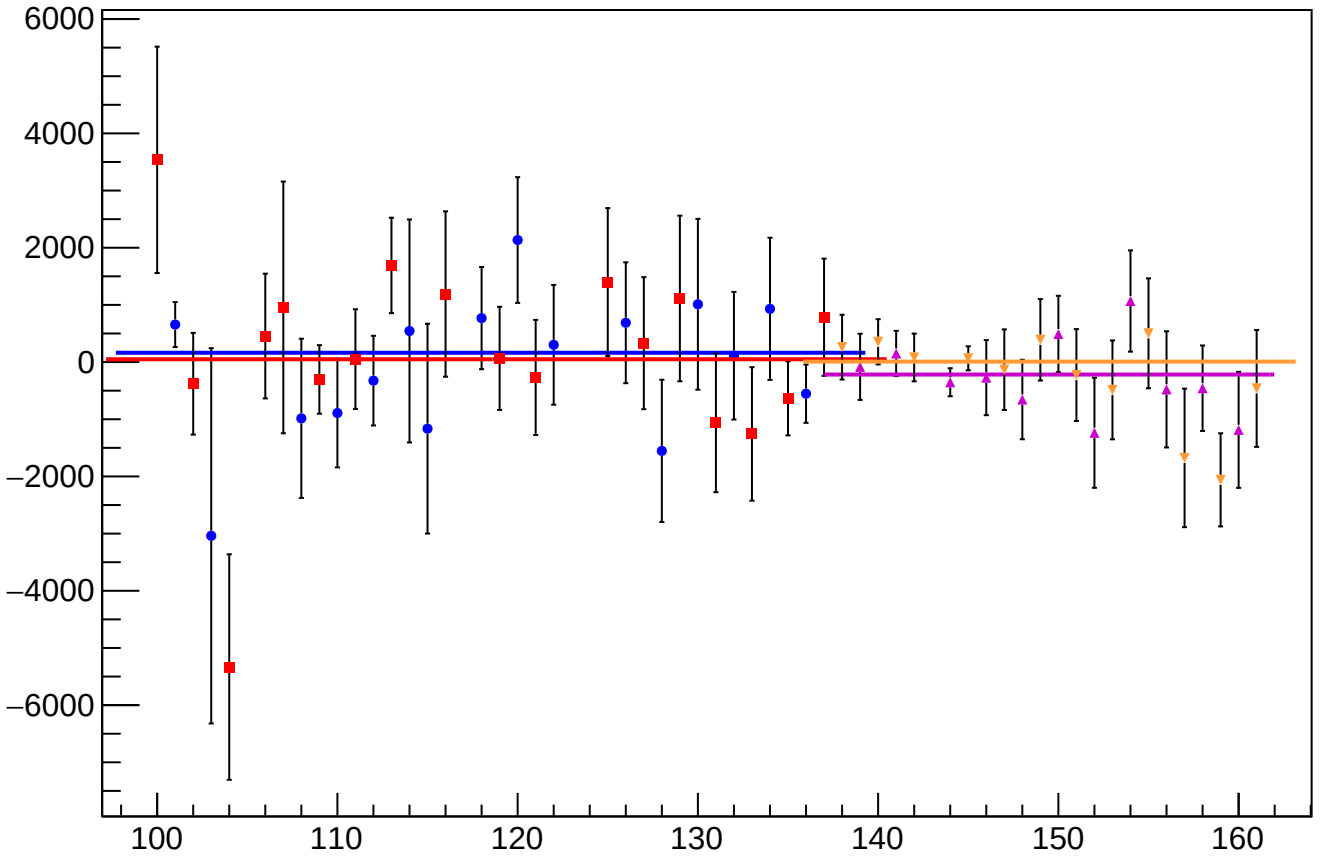
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1736.692+/-0.397 χ^2/NDF:1860.6/10

+ sign 1784.970+/-0.311 χ^2/NDF: 714910.3/27

All: 1791.605+/-0.220 χ^2/NDF: 1038267.8/56

- sign 1798.276+/-0.312 χ^2/NDF: 322446.3/28



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 8.323+/-142.805 χ^2/NDF:10.7/11

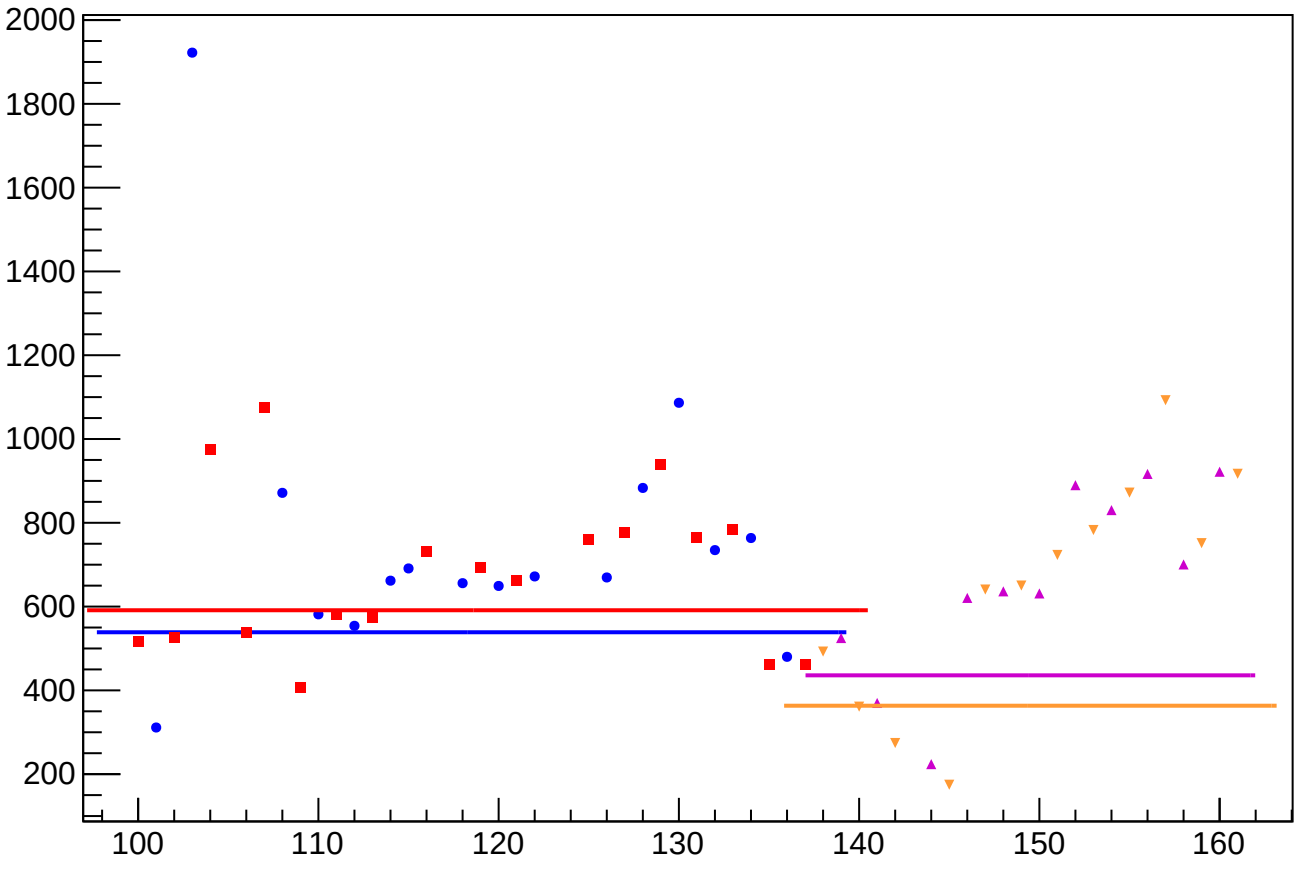
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -217.873+/-160.636 χ^2/NDF:7.1/10

\+ sign 54.213+/-119.786 χ^2/NDF: 24.9/27

All: -30.068+/-89.062 χ^2/NDF: 55.4/56

\- sign -134.251+/-133.181 χ^2/NDF: 29.4/28



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 363.365+/-0.101 χ^2/NDF:5640429.4/11

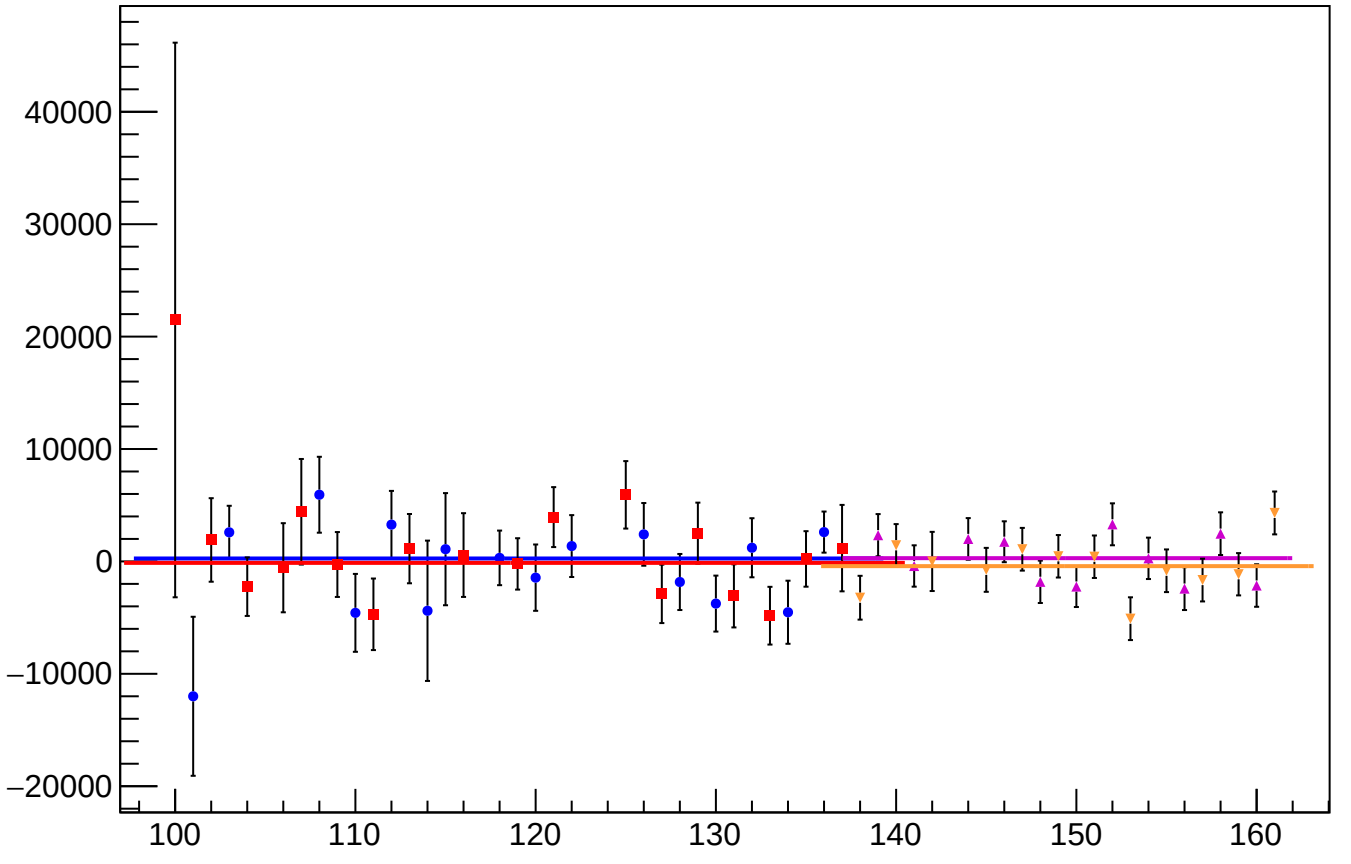
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 435.887+/-0.114 χ^2/NDF:4094057.4/10

+ sign 415.335+/-0.085 χ^2/NDF: 8392979.6/27

All: 446.244+/-0.063 χ^2/NDF: 14214153.1/56

- sign 484.453+/-0.094 χ^2/NDF: 5523388.7/28



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -420.983+/-561.176 χ^2/NDF:16.9/11

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

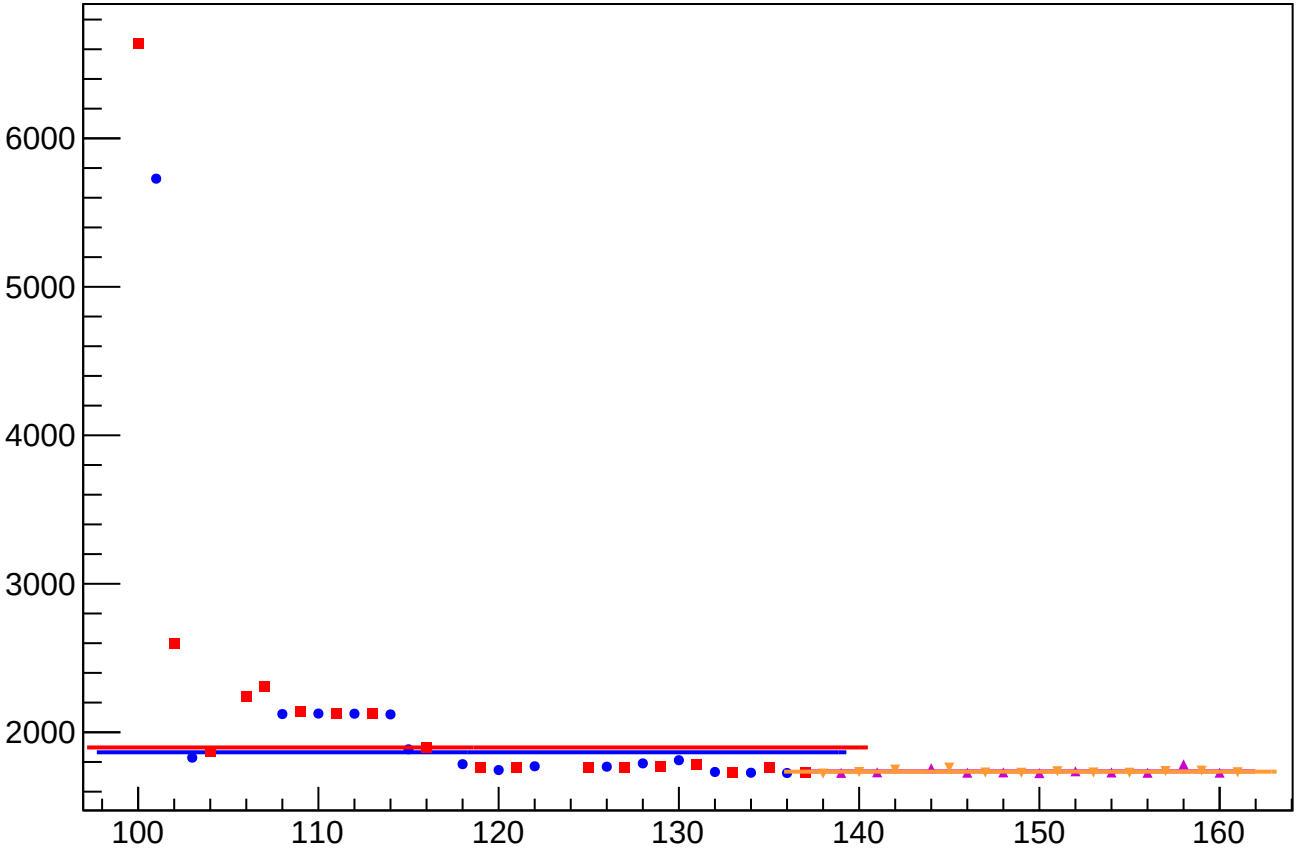
Left In: 288.719+/-561.717 χ^2/NDF:13.6/10

+ sign -159.123+/-440.190 χ^2/NDF: 36.9/27

All: -15.687+/-311.691 χ^2/NDF: 68.9/56

- sign 128.545+/-441.408 χ^2/NDF: 31.8/28

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: 1734.826+/-0.397 χ^2/NDF:676.0/11

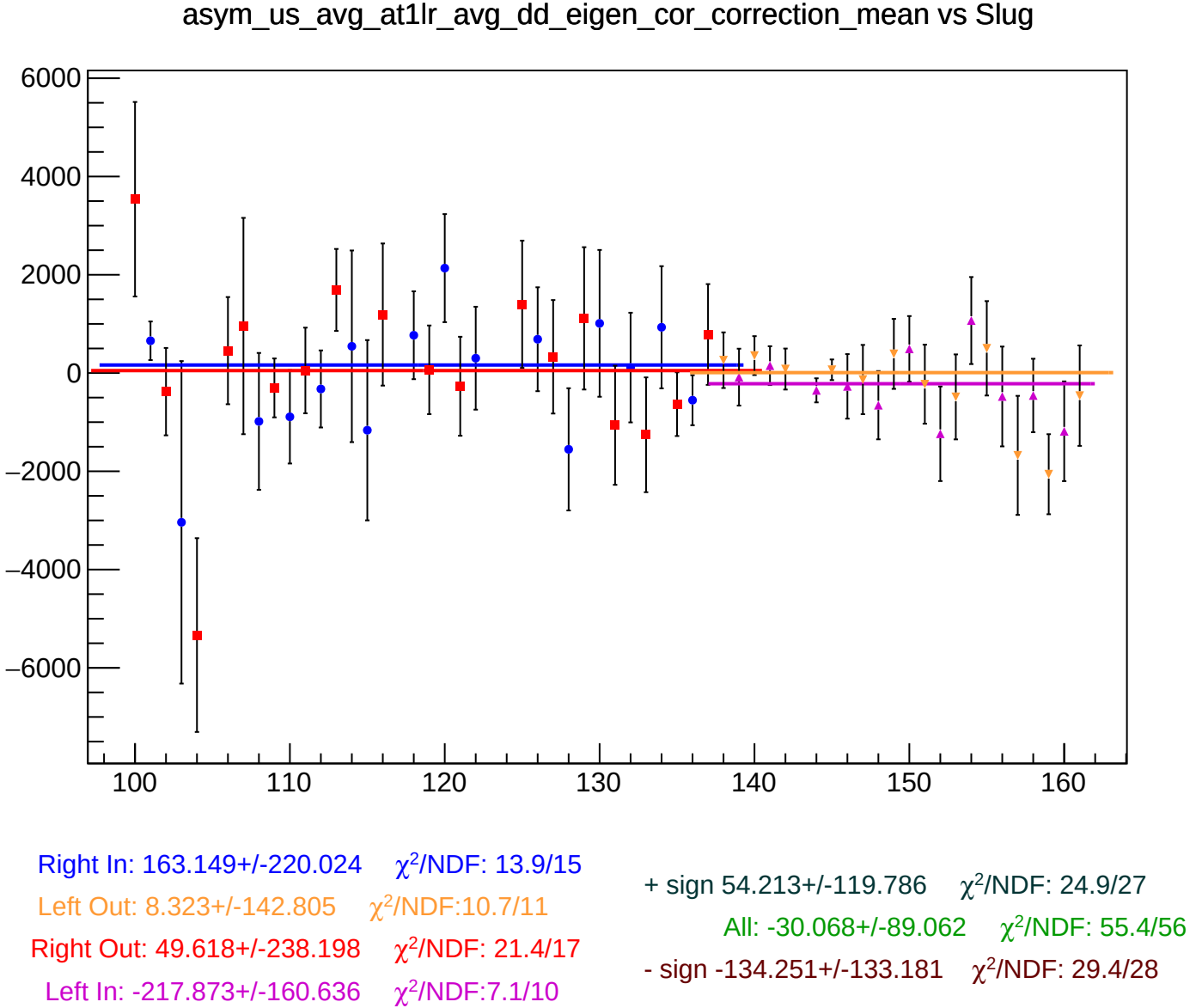
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

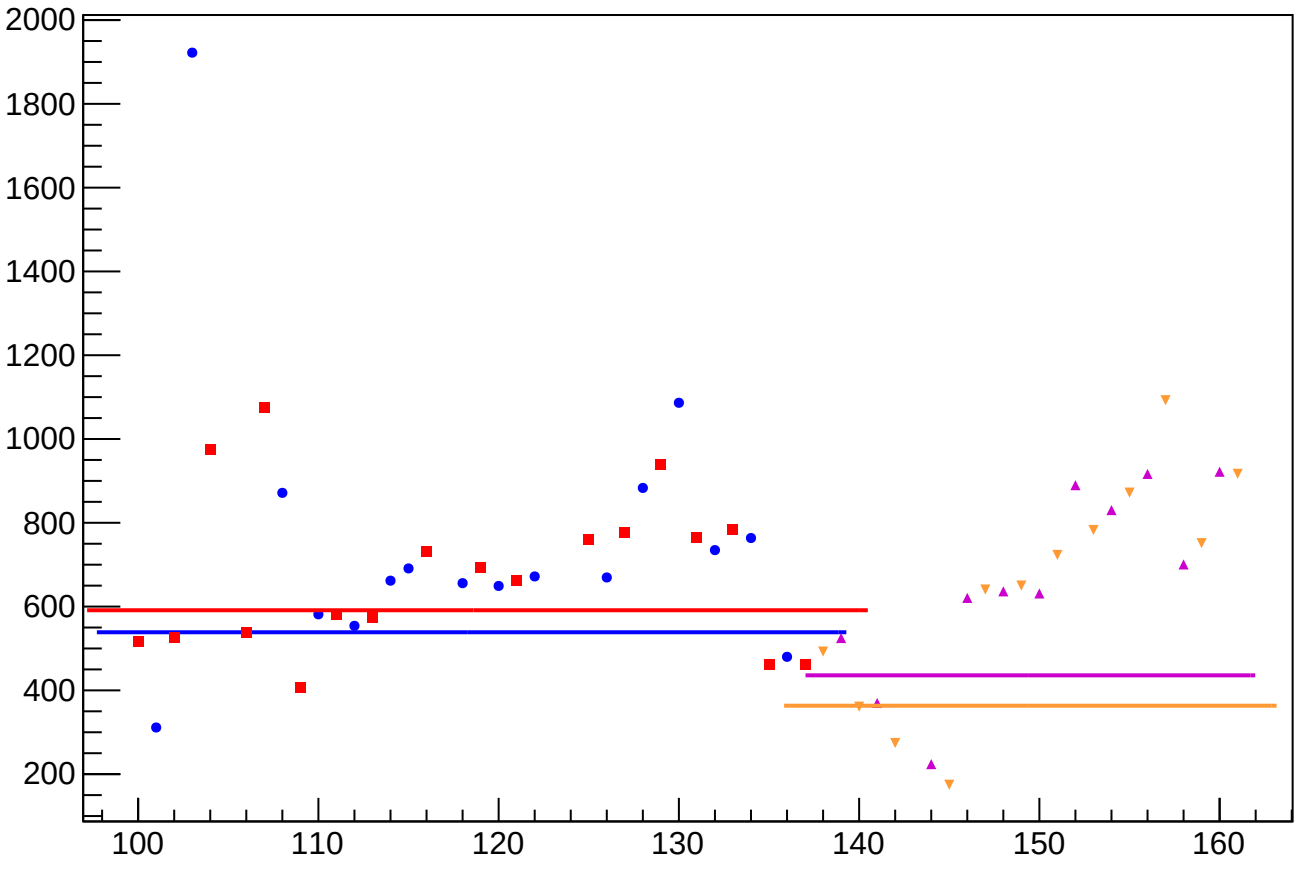
Left In: 1736.692+/-0.397 χ^2/NDF:1860.6/10

+ sign 1784.970+/-0.311 χ^2/NDF: 714910.3/27

All: 1791.605+/-0.220 χ^2/NDF: 1038267.8/56

- sign 1798.276+/-0.312 χ^2/NDF: 322446.3/28


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 163.149+/-220.024 χ²/NDF: 13.9/15
Left Out: 8.323+/-142.805 χ²/NDF:10.7/11
Right Out: 49.618+/-238.198 χ²/NDF: 21.4/17
Left In: -217.873+/-160.636 χ²/NDF:7.1/10
+ sign 54.213+/-119.786 χ²/NDF: 24.9/27
All: -30.068+/-89.062 χ²/NDF: 55.4/56
- sign -134.251+/-133.181 χ²/NDF: 29.4/28



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 363.365+/-0.101 χ^2/NDF:5640429.4/11

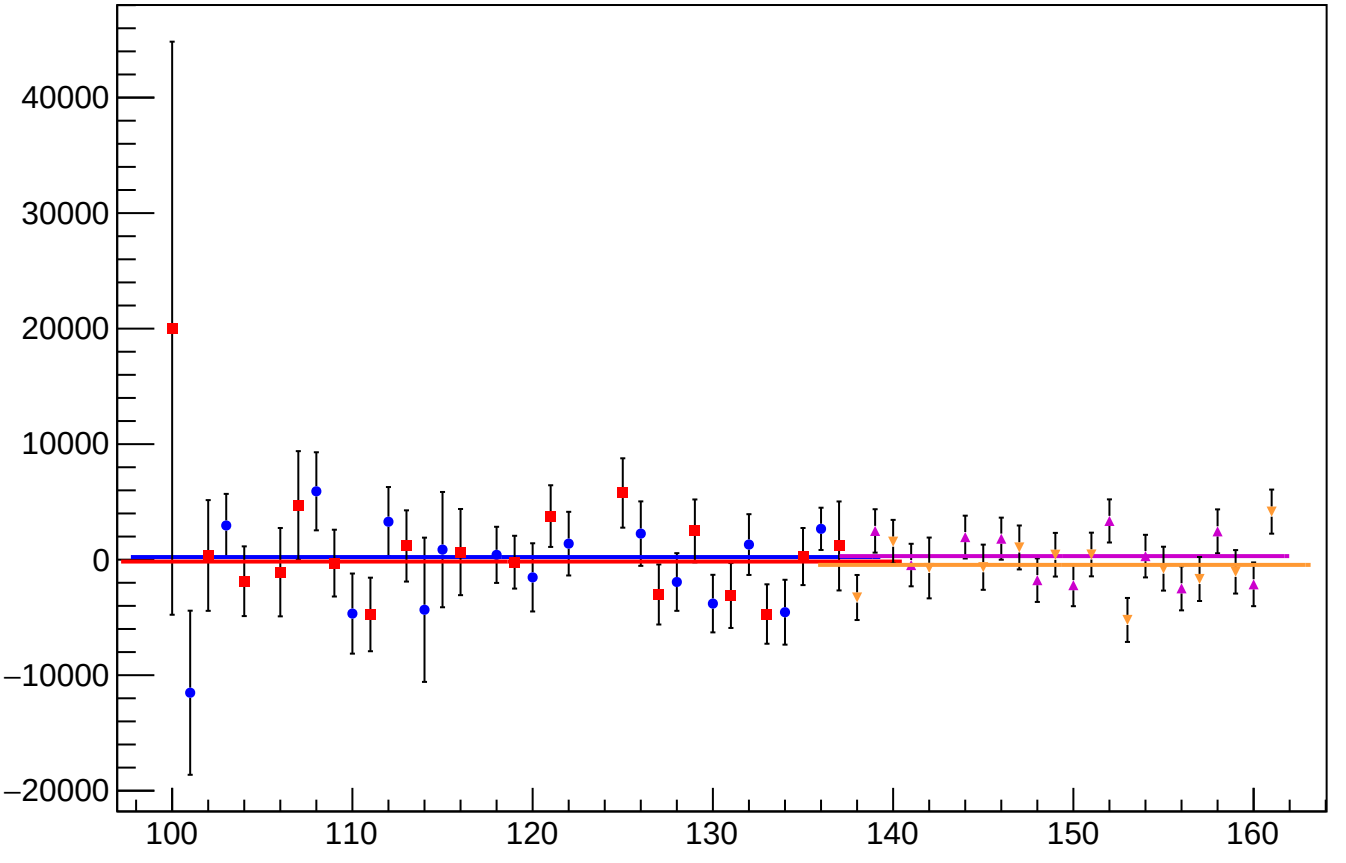
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 435.887+/-0.114 χ^2/NDF:4094057.4/10

+ sign 415.335+/-0.085 χ^2/NDF: 8392979.6/27

All: 446.244+/-0.063 χ^2/NDF: 14214153.1/56

- sign 484.453+/-0.094 χ^2/NDF: 5523388.7/28



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -451.892+/-561.553 χ^2/NDF:17.0/11

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

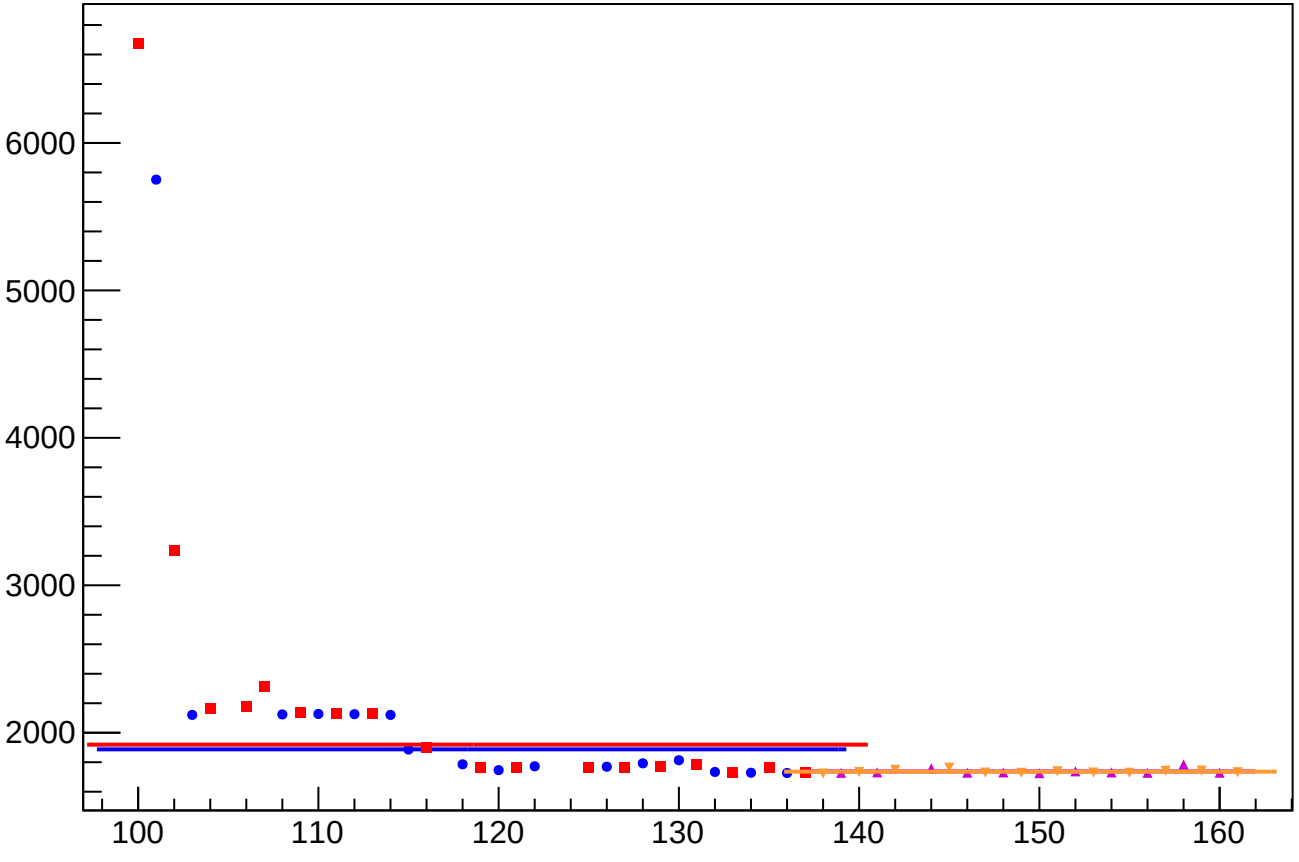
Left In: 308.775+/-562.062 χ^2/NDF:13.9/10

\+ sign -194.770+/-442.463 χ^2/NDF: 36.9/27

All: -32.270+/-313.548 χ^2/NDF: 68.3/56

\- sign 131.648+/-444.390 χ^2/NDF: 31.1/28

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.986+/-0.397 χ^2/NDF:681.5/11

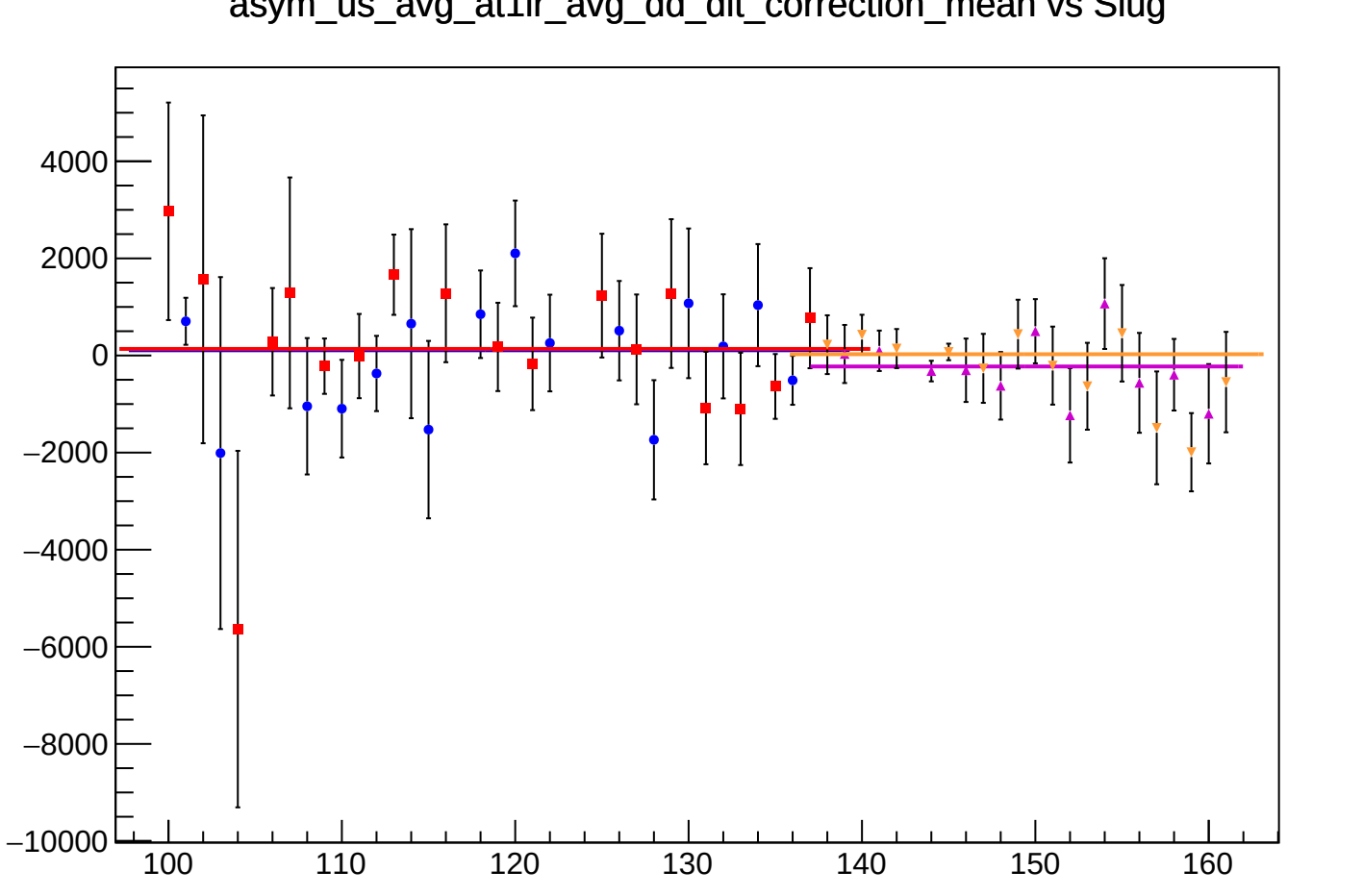
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1737.756+/-0.397 χ^2/NDF:1861.7/10

+ sign 1793.364+/-0.313 χ^2/NDF: 745191.7/27

All: 1799.536+/-0.222 χ^2/NDF: 1178506.5/56

- sign 1805.763+/-0.314 χ^2/NDF: 432532.9/28



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 26.076+/-128.770 χ^2/NDF:10.8/11

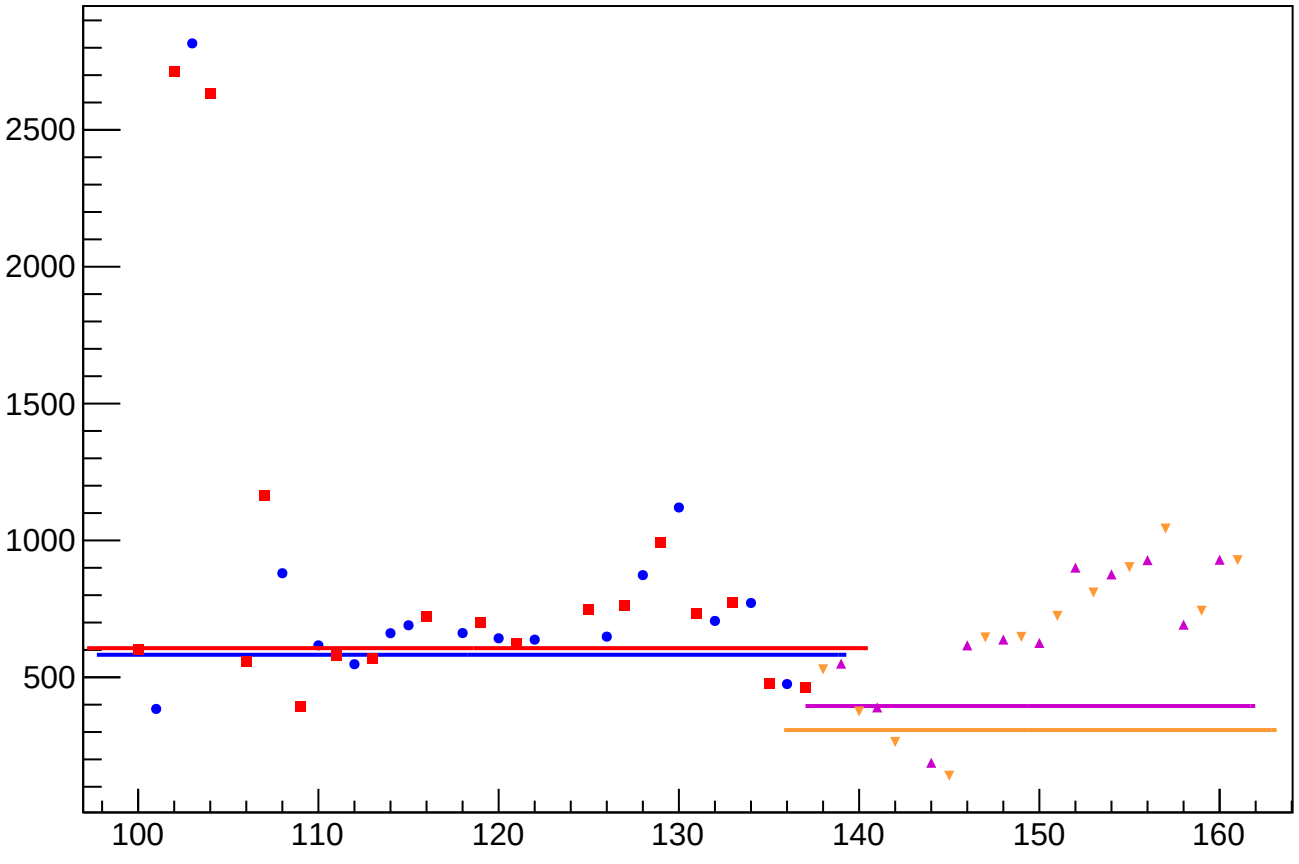
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -226.366+/-151.812 χ^2/NDF:6.6/10

\+ sign 45.438+/-112.557 χ^2/NDF: 25.1/27

All: -28.788+/-84.863 χ^2/NDF: 48.6/56

\- sign -126.562+/-129.182 χ^2/NDF: 22.5/28



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 307.257+/-0.091 χ^2/NDF:7178300.0/11

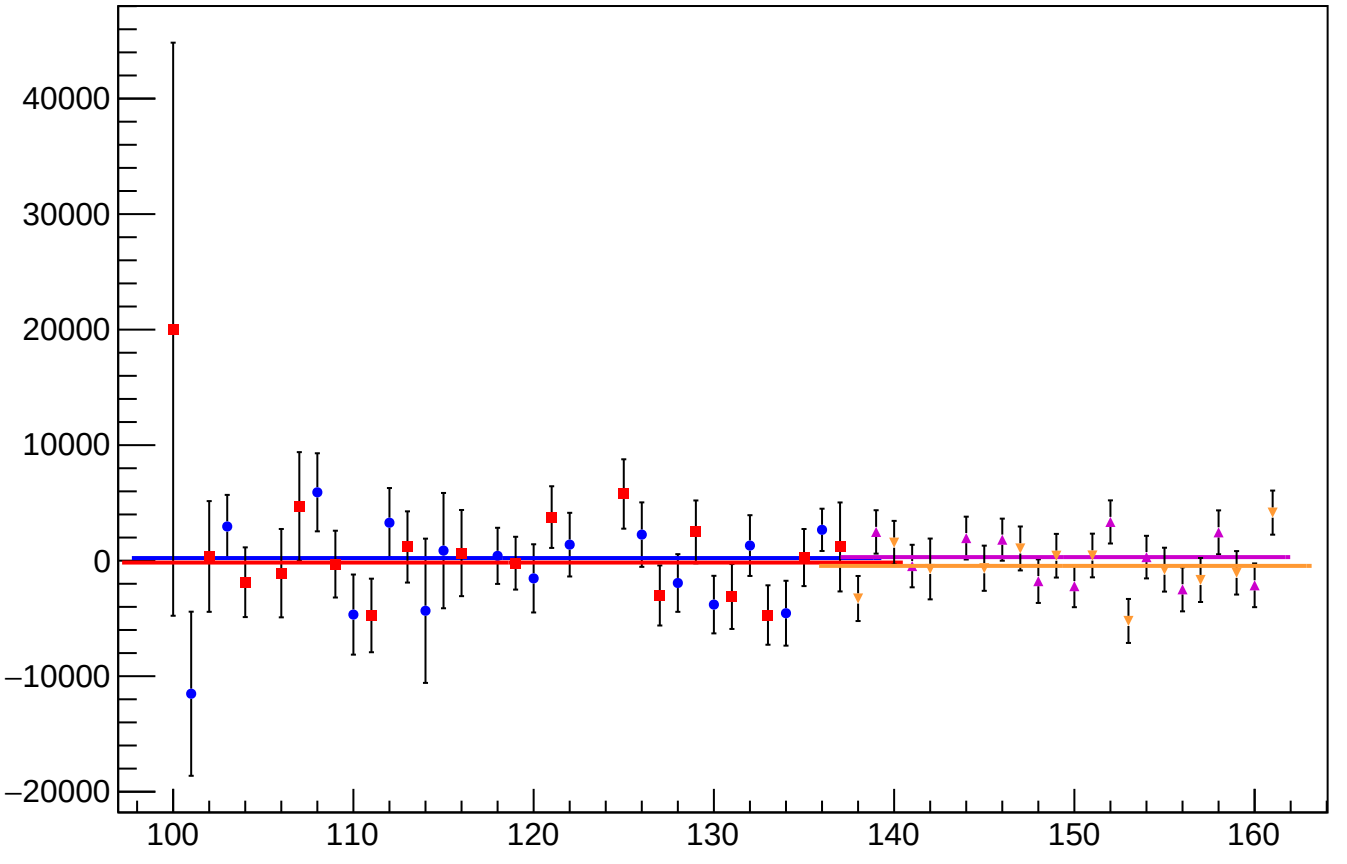
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 395.035+/-0.107 χ^2/NDF:5234837.0/10

+ sign 372.150+/-0.080 χ^2/NDF: 11085177.2/27

All: 407.199+/-0.060 χ^2/NDF: 20037981.8/56

- sign 453.367+/-0.091 χ^2/NDF: 8503431.7/28



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -451.896+/-561.553 χ^2/NDF:17.0/11

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

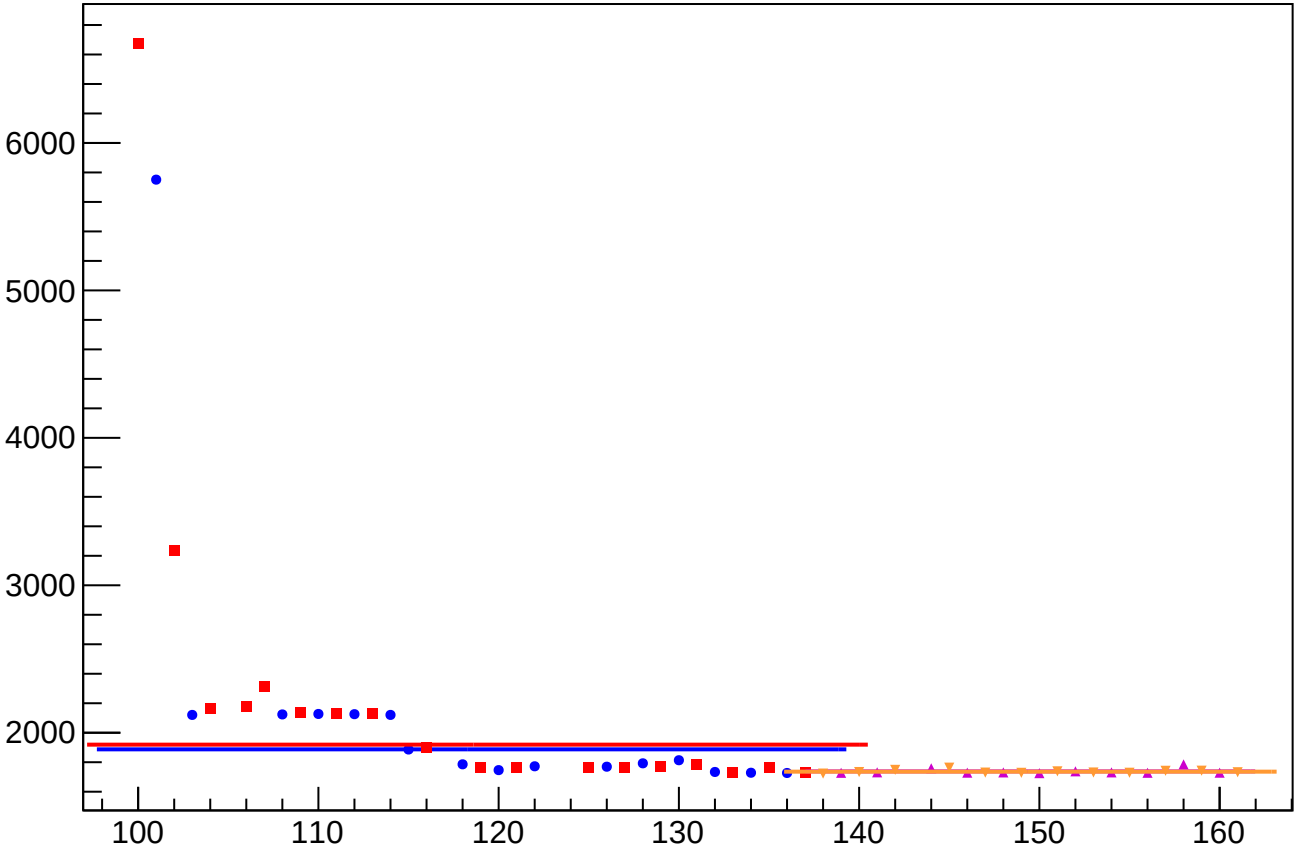
Left In: 308.773+/-562.062 χ^2/NDF:13.9/10

+ sign -194.772+/-442.463 χ^2/NDF: 36.9/27

All: -32.272+/-313.548 χ^2/NDF: 68.3/56

- sign 131.646+/-444.390 χ^2/NDF: 31.1/28

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1735.986+/-0.397 χ^2/NDF:681.5/11

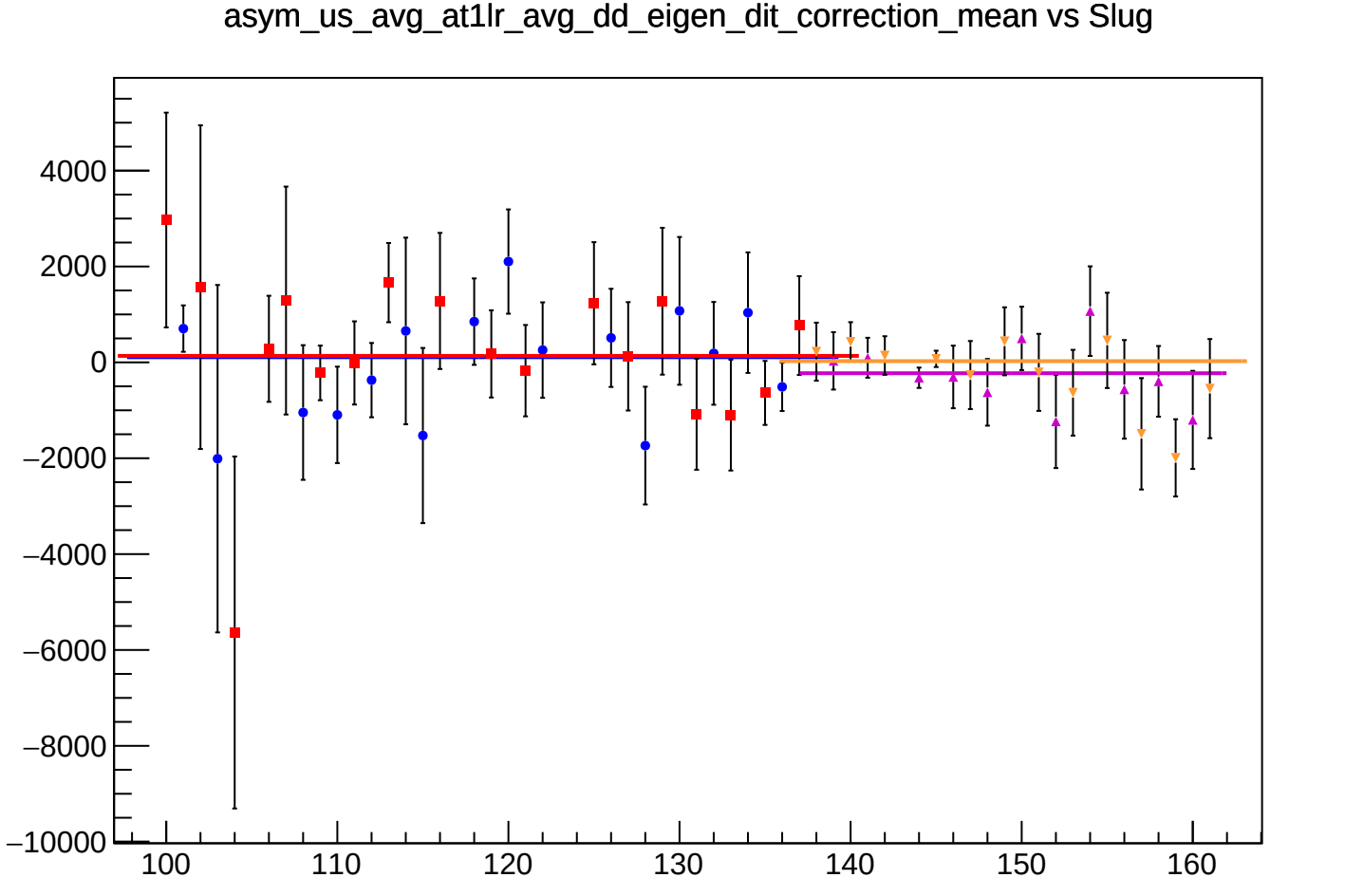
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1737.756+/-0.397 χ^2/NDF:1861.7/10

+ sign 1793.364+/-0.313 χ^2/NDF: 745191.4/27

All: 1799.536+/-0.222 χ^2/NDF: 1178505.3/56

- sign 1805.763+/-0.314 χ^2/NDF: 432532.0/28



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 26.075+/-128.770 χ^2/NDF:10.8/11

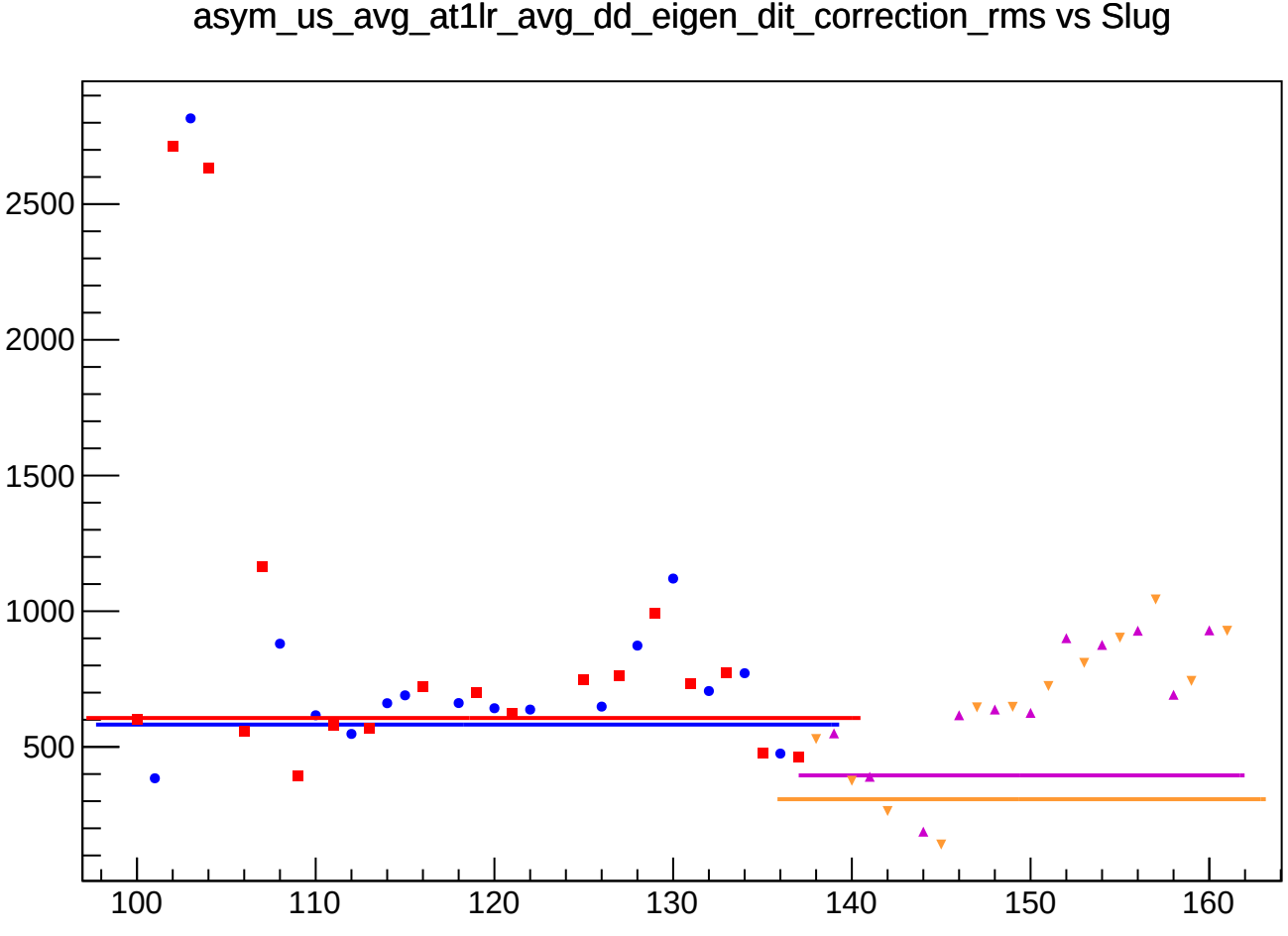
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -226.366+/-151.813 χ^2/NDF:6.6/10

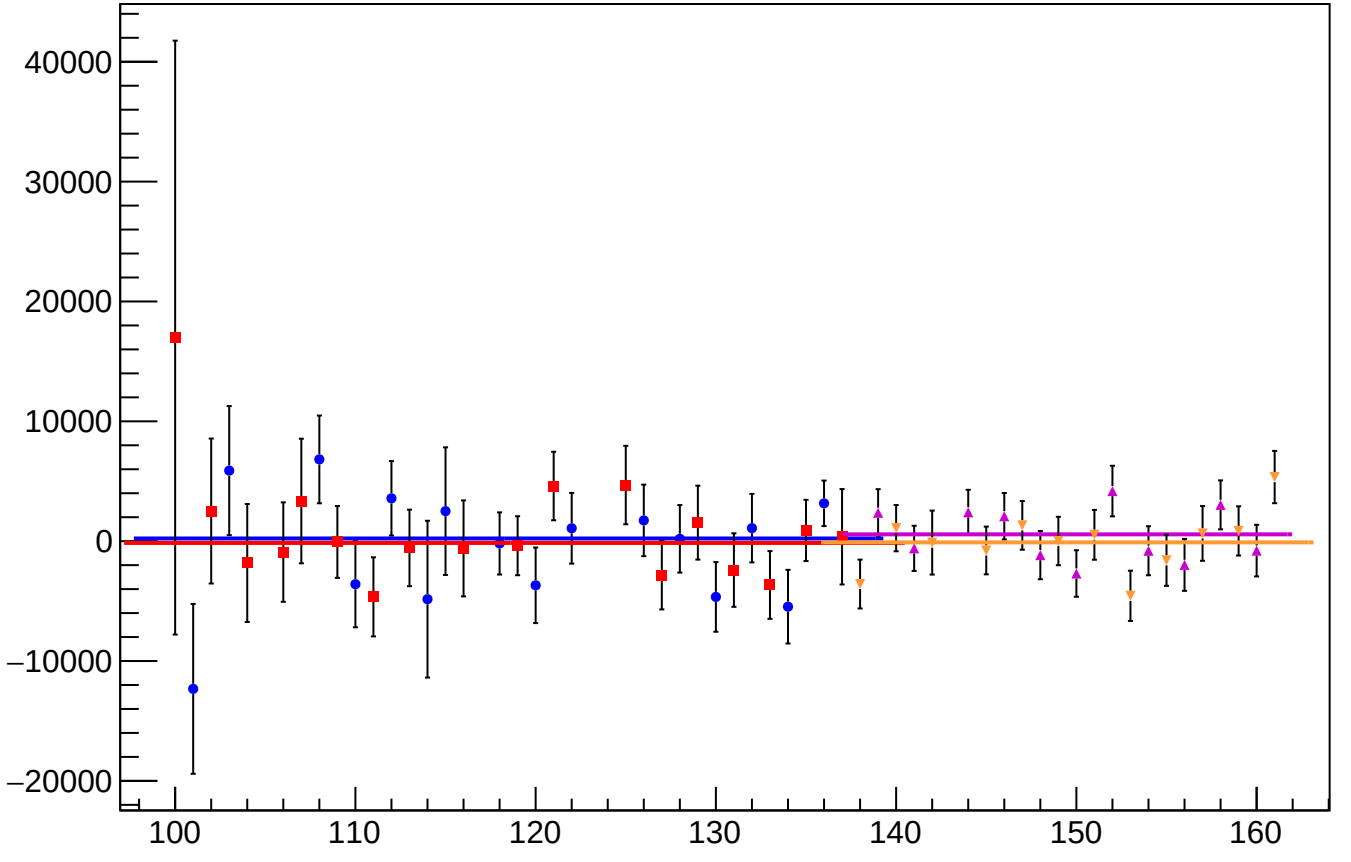
\+ sign 45.436+/-112.557 χ^2/NDF: 25.1/27

All: -28.789+/-84.863 χ^2/NDF: 48.6/56

\- sign -126.561+/-129.182 χ^2/NDF: 22.5/28


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 582.268+/-0.164 χ²/NDF: 1754289.3/15
Left Out: 307.256+/-0.091 χ²/NDF:7178330.0/11
Right Out: 606.447+/-0.174 χ²/NDF: 2198414.3/17
Left In: 395.035+/-0.107 χ²/NDF:5234855.8/10
+ sign 372.150+/-0.080 χ²/NDF: 11085179.7/27
All: 407.199+/-0.060 χ²/NDF: 20037982.9/56
- sign 453.367+/-0.091 χ²/NDF: 8503430.6/28

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -101.026+/-607.602 χ^2/NDF:15.6/11

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

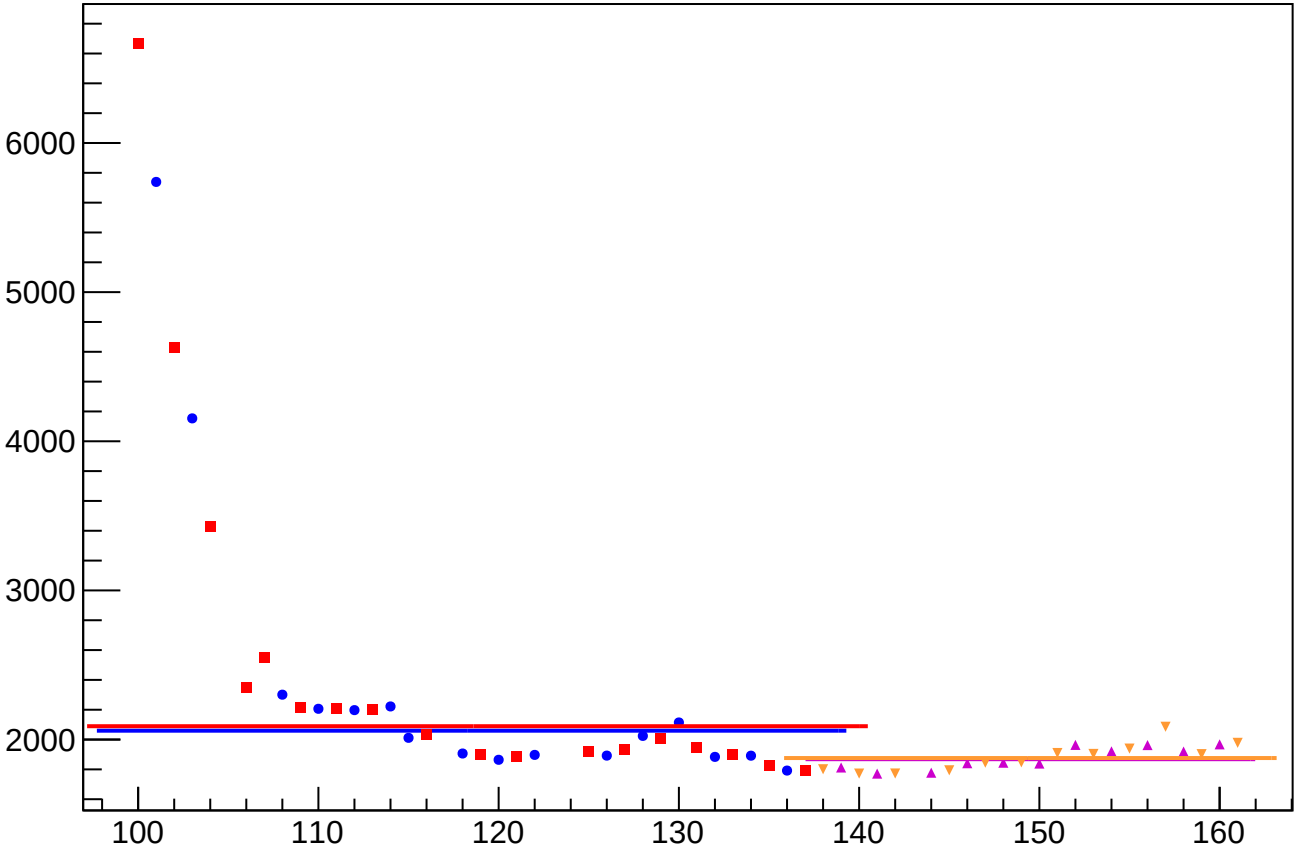
Left In: 570.637+/-604.756 χ^2/NDF:13.0/10

+ sign 19.650+/-482.006 χ^2/NDF: 36.9/27

All: 163.525+/-340.523 χ^2/NDF: 62.1/56

- sign 306.884+/-481.139 χ^2/NDF: 25.1/28

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1876.022+/-0.430 χ^2/NDF:40072.2/11

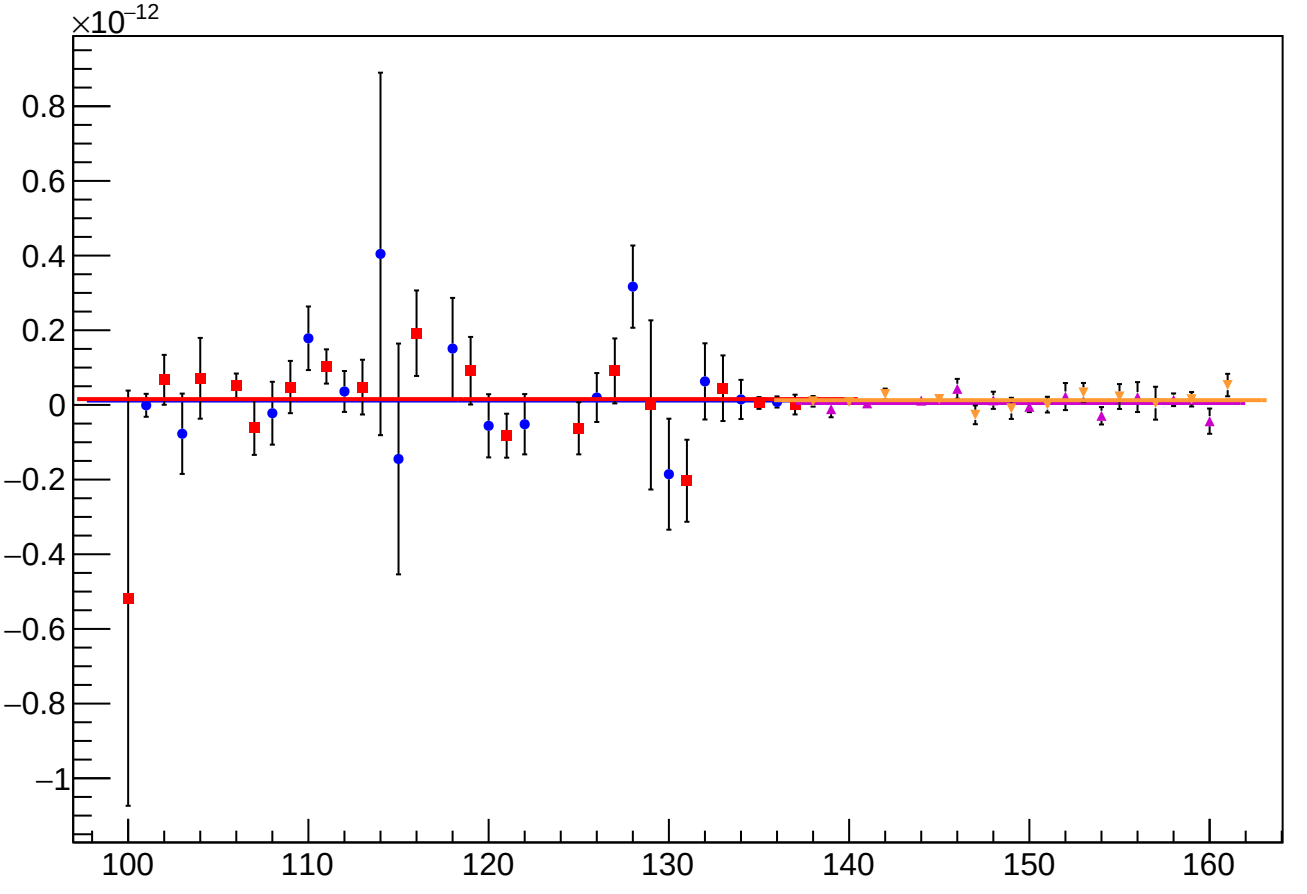
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1868.347+/-0.428 χ^2/NDF:27442.7/10

+ sign 1944.034+/-0.341 χ^2/NDF: 1047546.0/27

All: 1946.776+/-0.241 χ^2/NDF: 1854728.8/56

- sign 1949.509+/-0.340 χ^2/NDF: 807053.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/11

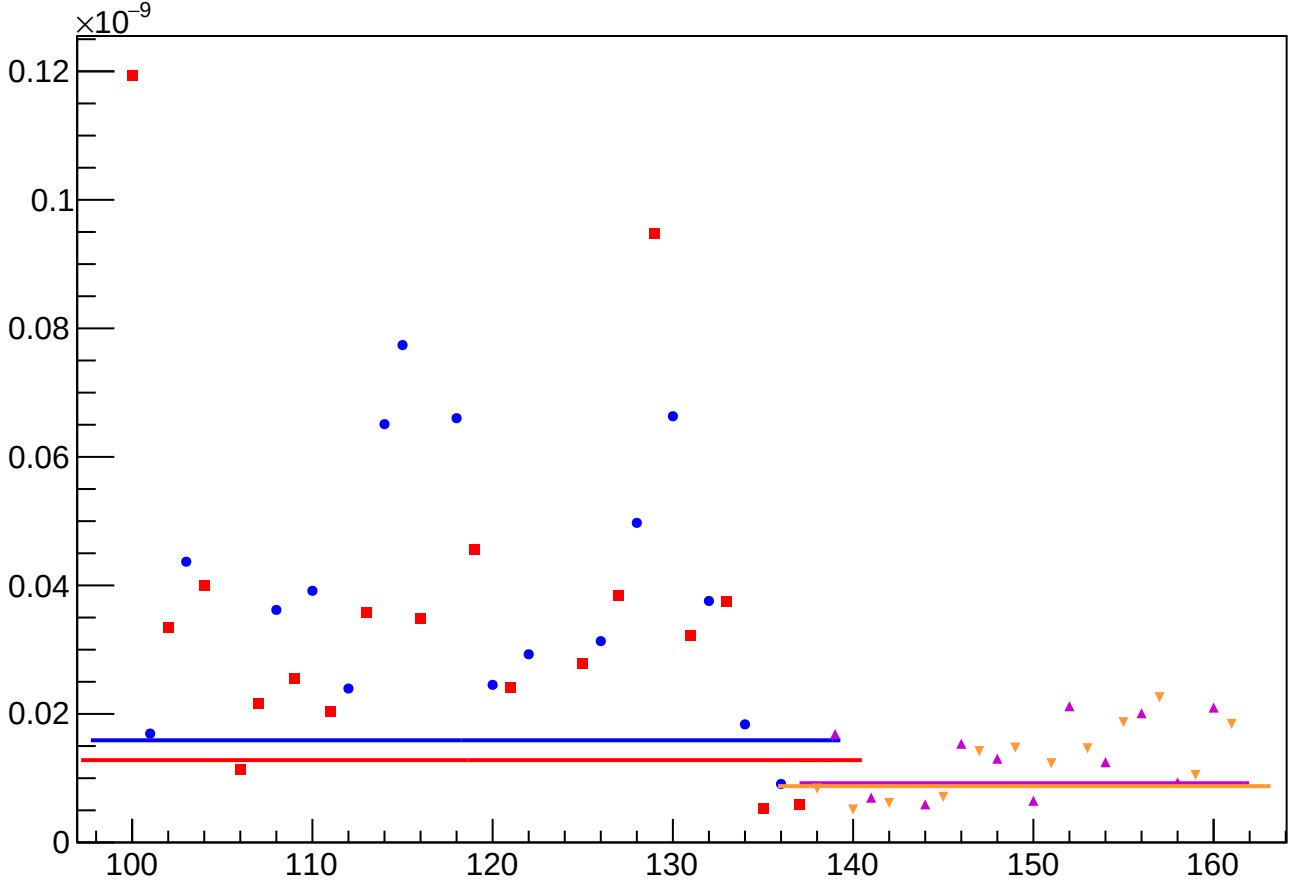
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:8.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 25.7/27

All: 0.000+/-0.000 χ^2/NDF: 56.3/56

- sign 0.000+/-0.000 χ^2/NDF: 30.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1335058.1/11

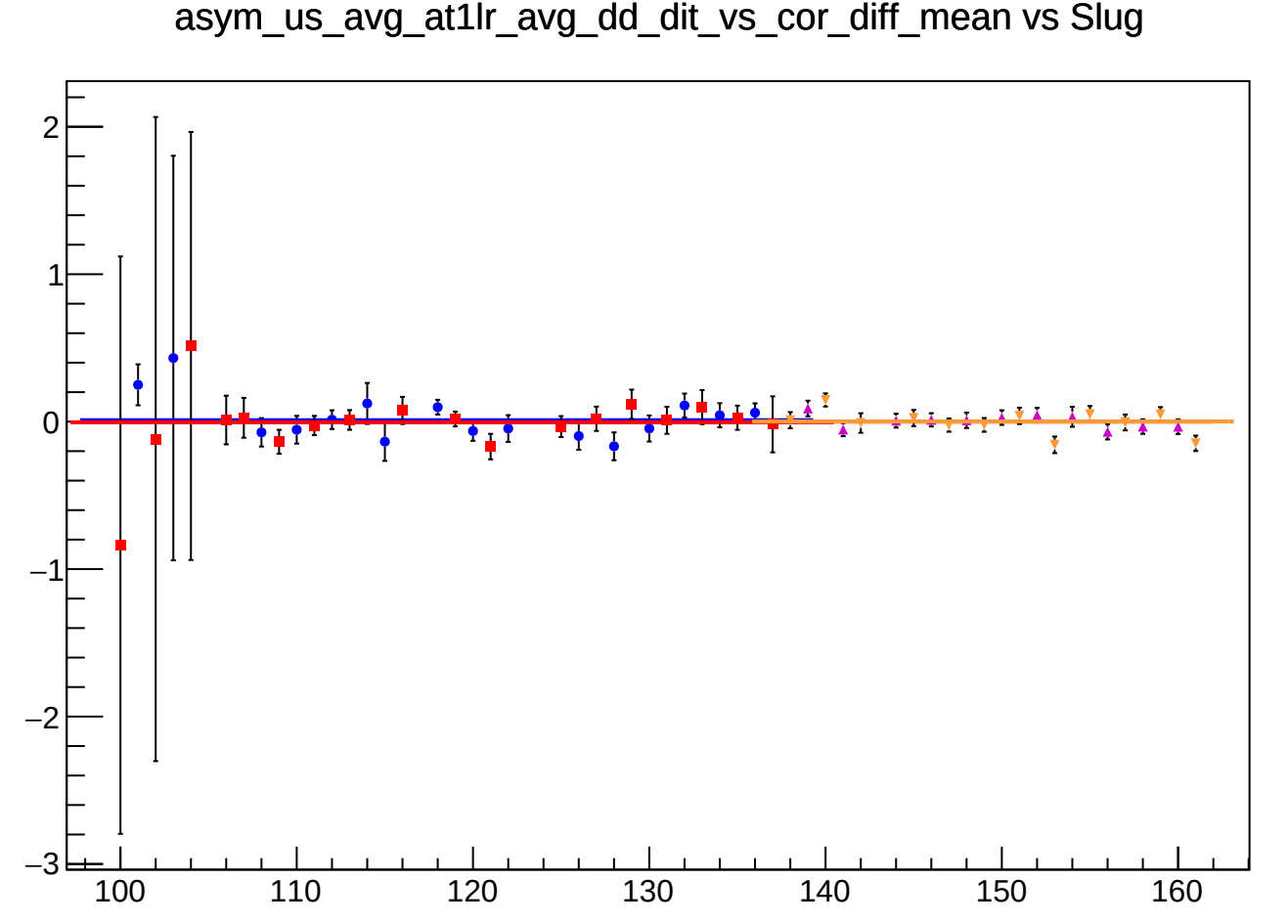
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1437341.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 3908585.6/27

All: 0.000+/-0.000 χ^2/NDF: 8013319.6/56

- sign 0.000+/-0.000 χ^2/NDF: 4104709.6/28



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.001+/-0.015 χ^2/NDF:29.6/11

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

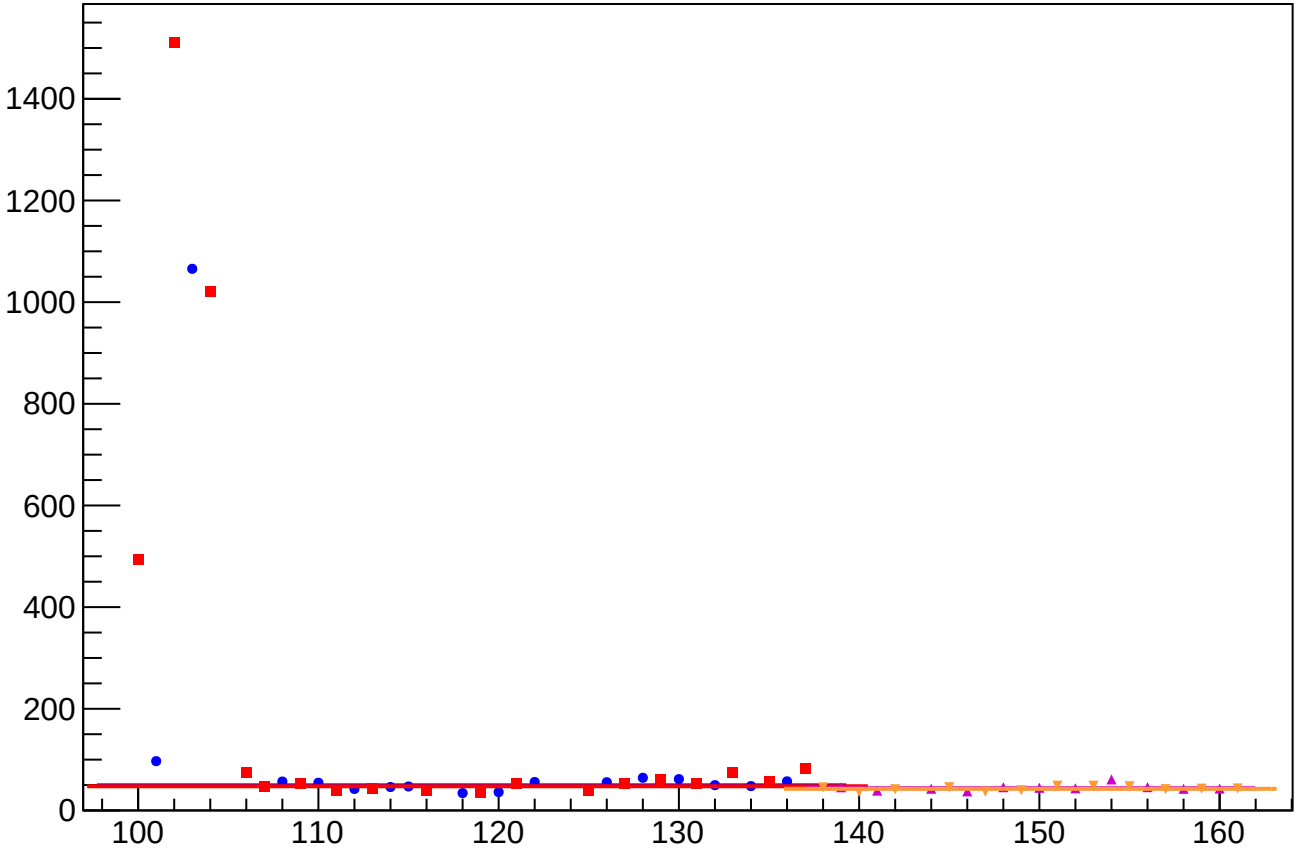
Left In: 0.000+/-0.015 χ^2/NDF:8.3/10

+ sign 0.004+/-0.012 χ^2/NDF: 48.1/27

All: 0.002+/-0.009 χ^2/NDF: 67.1/56

- sign -0.001+/-0.012 χ^2/NDF: 18.9/28

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.609+/-0.011 χ^2/NDF:151742.5/11

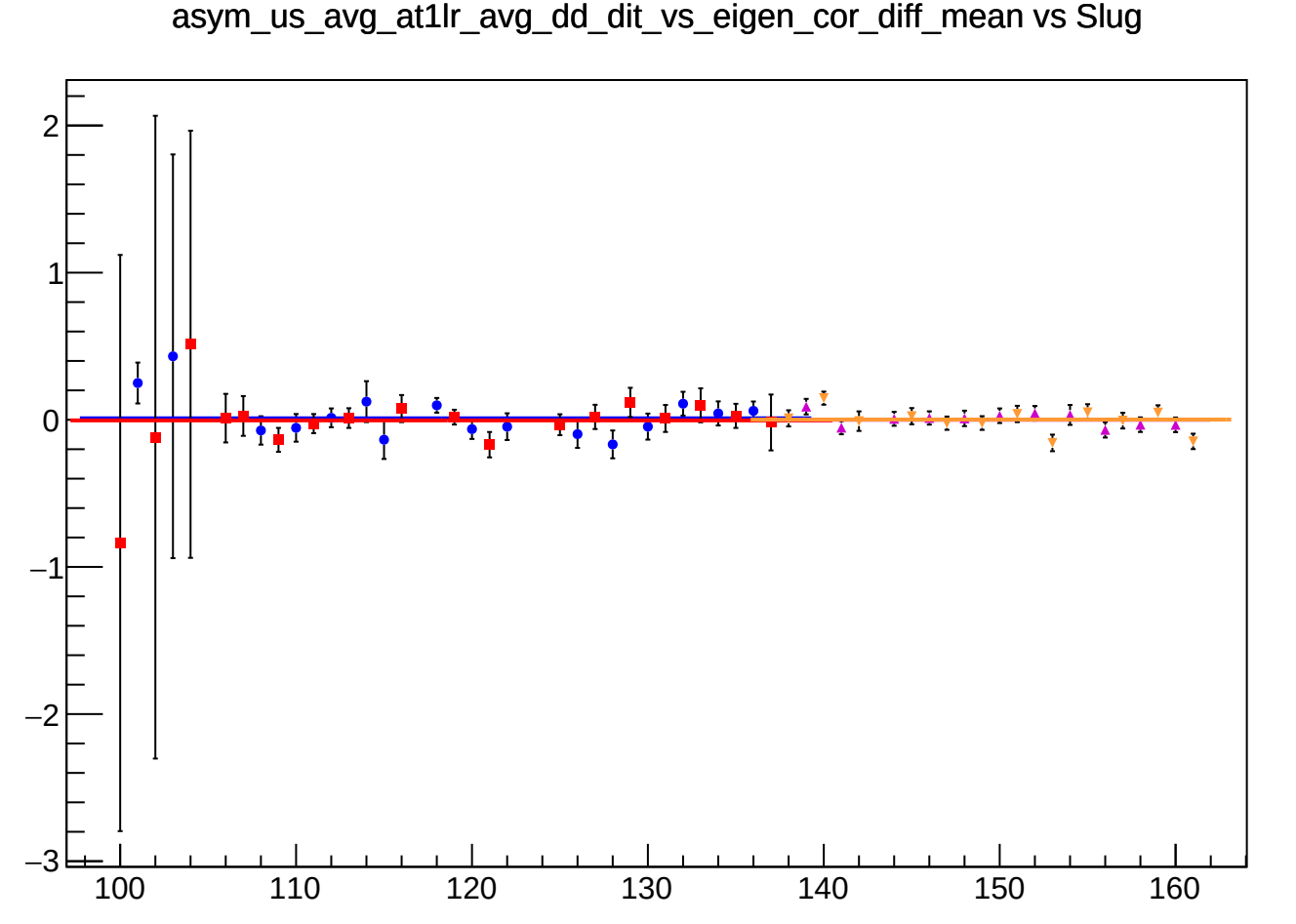
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 43.700+/-0.011 χ^2/NDF:200199.2/10

+ sign 44.892+/-0.009 χ^2/NDF: 2064712.8/27

All: 44.944+/-0.006 χ^2/NDF: 4727155.2/56

- sign 44.996+/-0.009 χ^2/NDF: 2662371.0/28



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.001+/-0.015 χ^2/NDF:29.6/11

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

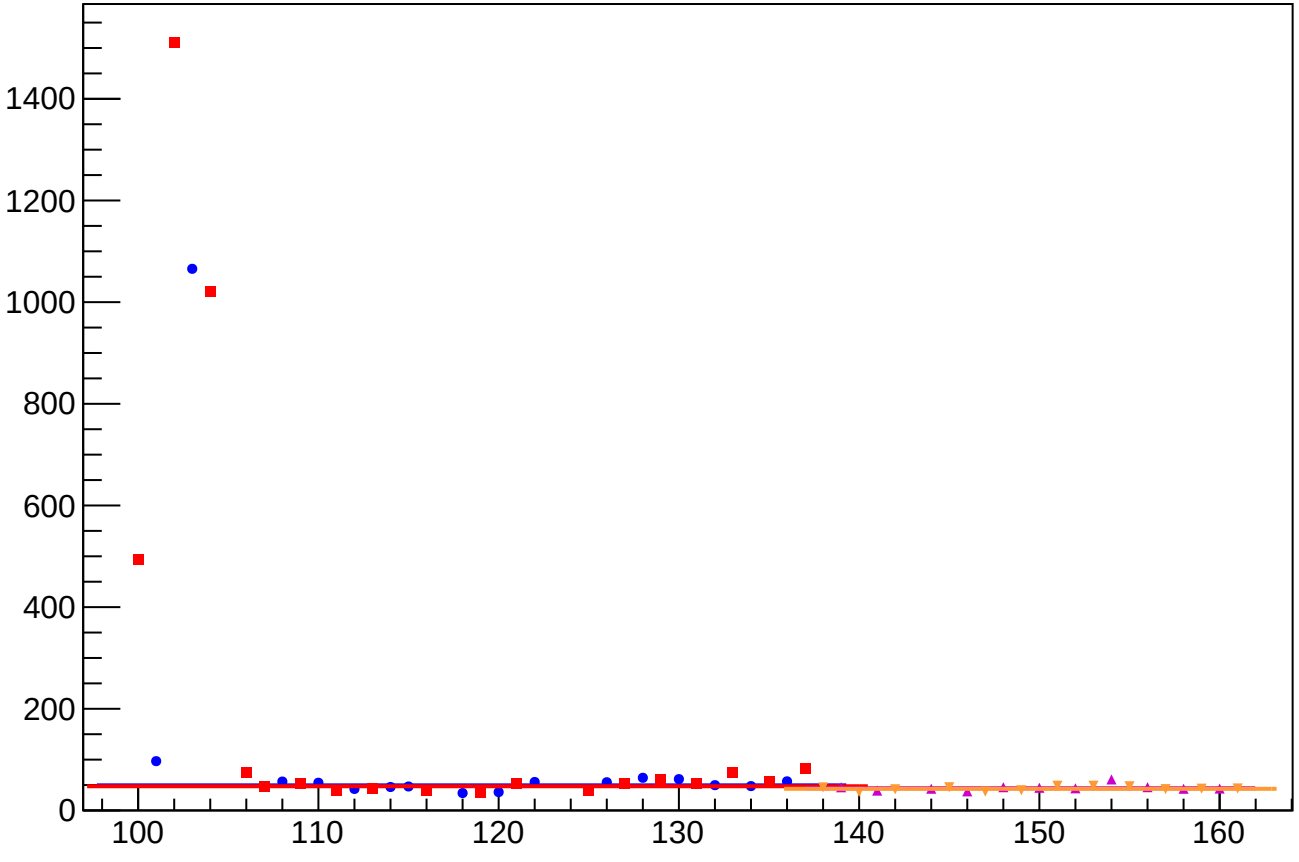
Left In: 0.000+/-0.015 χ^2/NDF:8.3/10

+ sign 0.004+/-0.012 χ^2/NDF: 48.1/27

All: 0.002+/-0.009 χ^2/NDF: 67.1/56

- sign -0.001+/-0.012 χ^2/NDF: 18.9/28

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.609+/-0.011 χ^2/NDF:151742.5/11

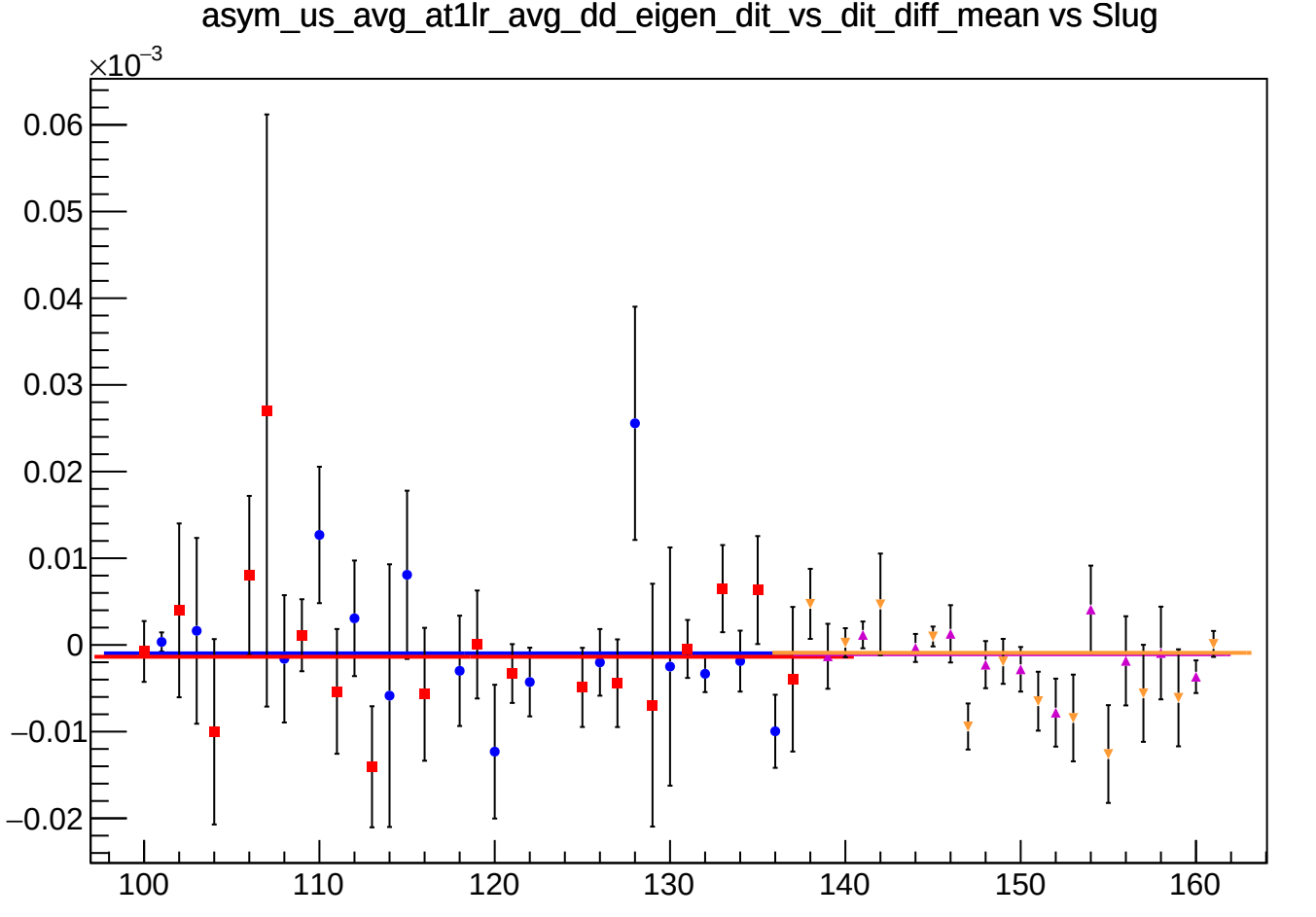
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

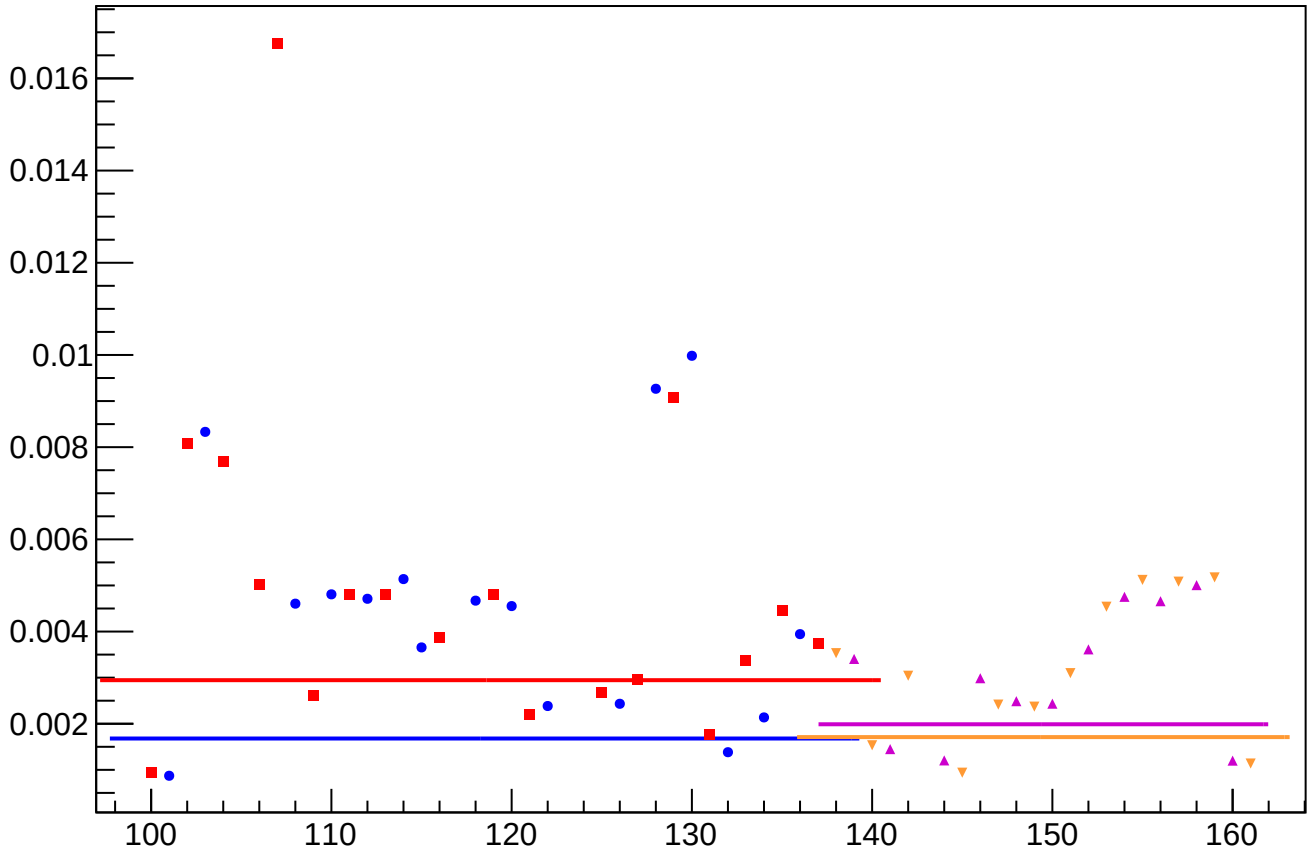
Left In: 43.700+/-0.011 χ^2/NDF:200199.2/10

+ sign 44.892+/-0.009 χ^2/NDF: 2064712.8/27

All: 44.944+/-0.006 χ^2/NDF: 4727155.2/56

- sign 44.996+/-0.009 χ^2/NDF: 2662371.0/28


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:27.7/11
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:9.3/10
+ sign -0.000+/-0.000 χ²/NDF: 46.3/27
All: -0.000+/-0.000 χ²/NDF: 68.4/56
- sign -0.000+/-0.000 χ²/NDF: 22.0/28



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:5199233.5/11

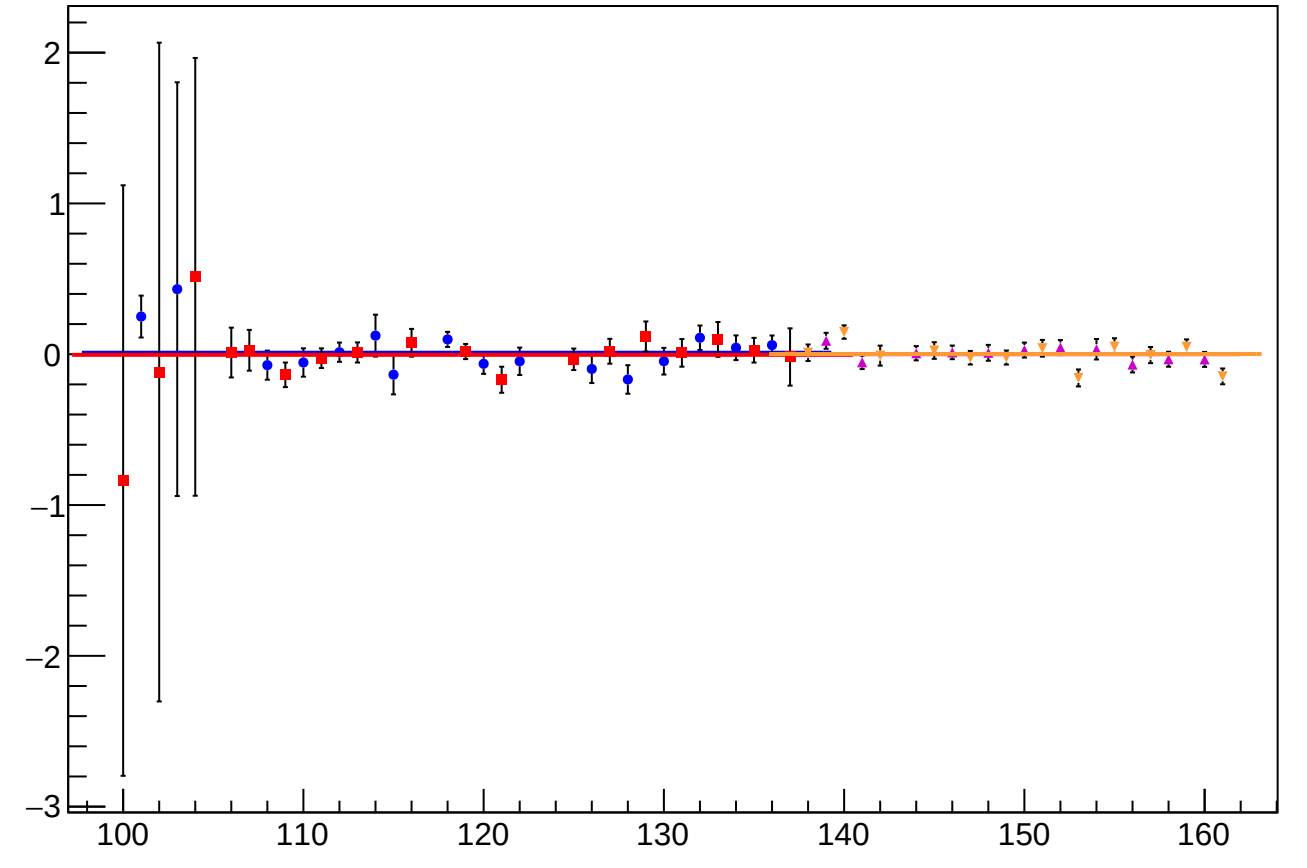
Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:3774738.6/10

+ sign 0.002+/-0.000 χ^2/NDF: 11161094.0/27

All: 0.002+/-0.000 χ^2/NDF: 19950835.5/56

- sign 0.002+/-0.000 χ^2/NDF: 7968592.9/28



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.001+/-0.015 χ^2/NDF:29.6/11

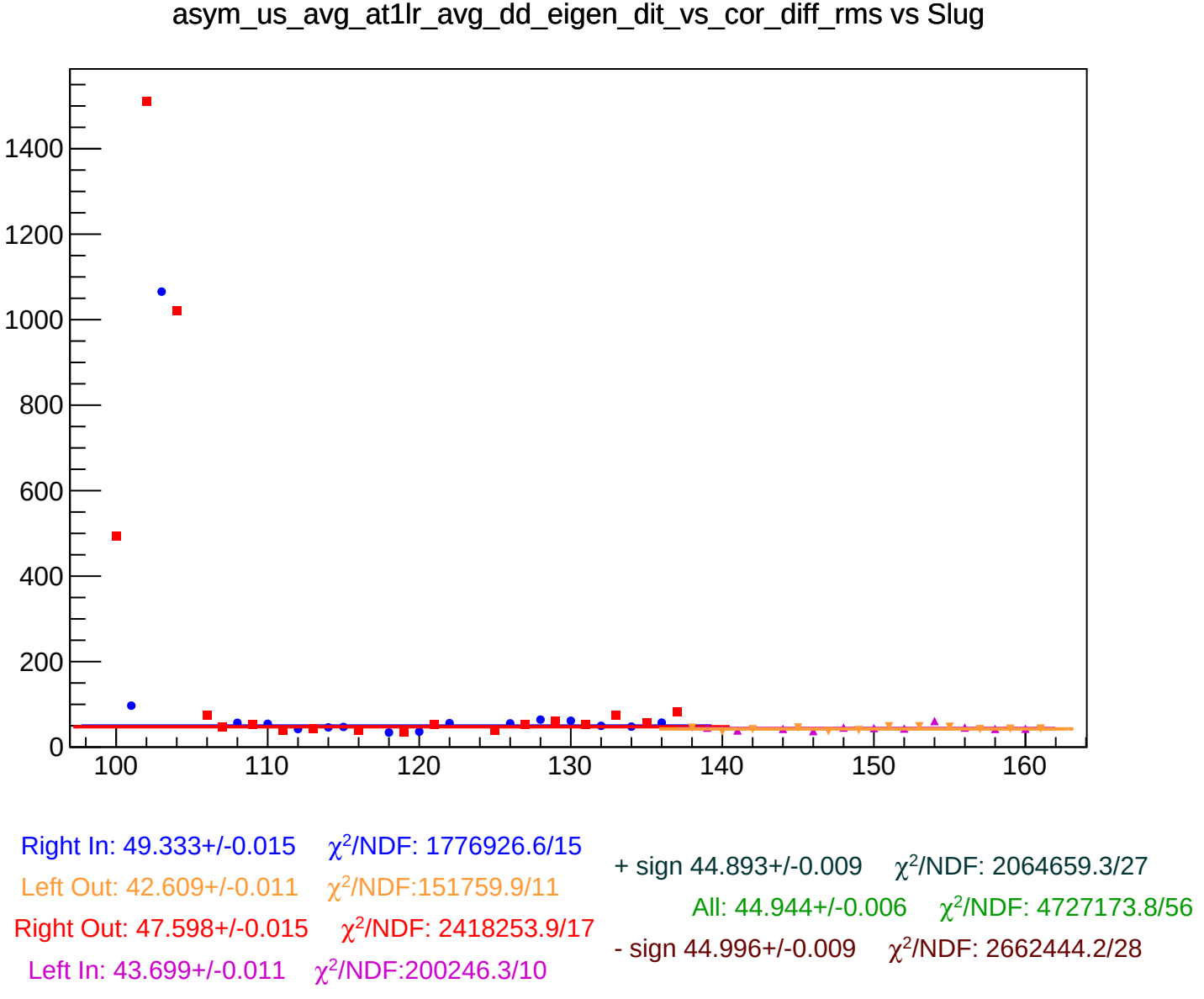
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

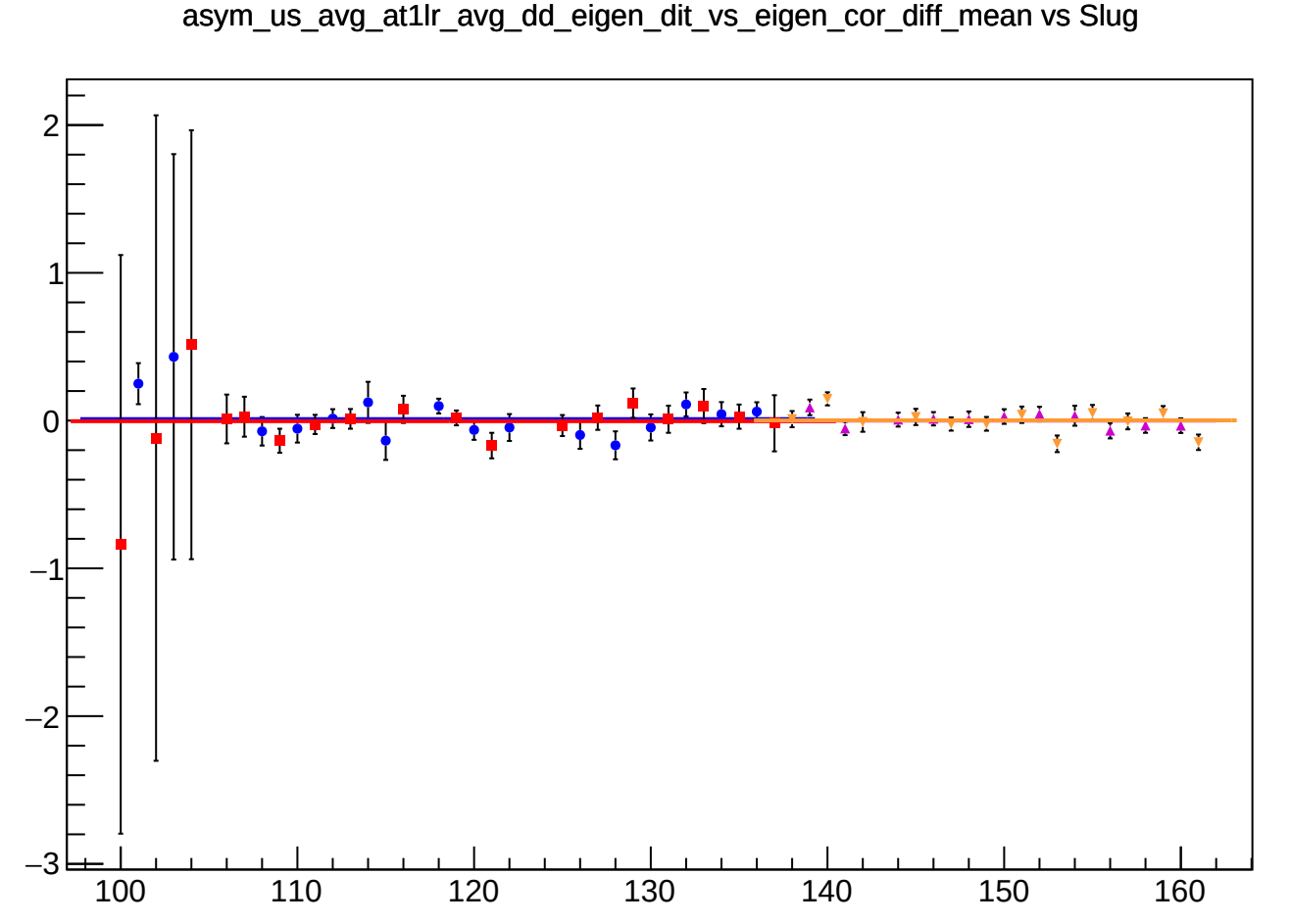
Left In: 0.000+/-0.015 χ^2/NDF:8.3/10

+ sign 0.004+/-0.012 χ^2/NDF: 48.1/27

All: 0.002+/-0.009 χ^2/NDF: 67.1/56

- sign -0.001+/-0.012 χ^2/NDF: 18.9/28


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.609+/-0.011 χ²/NDF:151759.9/11
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 43.699+/-0.011 χ²/NDF:200246.3/10
+ sign 44.893+/-0.009 χ²/NDF: 2064659.3/27
All: 44.944+/-0.006 χ²/NDF: 4727173.8/56
- sign 44.996+/-0.009 χ²/NDF: 2662444.2/28



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.001+/-0.015 χ^2/NDF:29.6/11

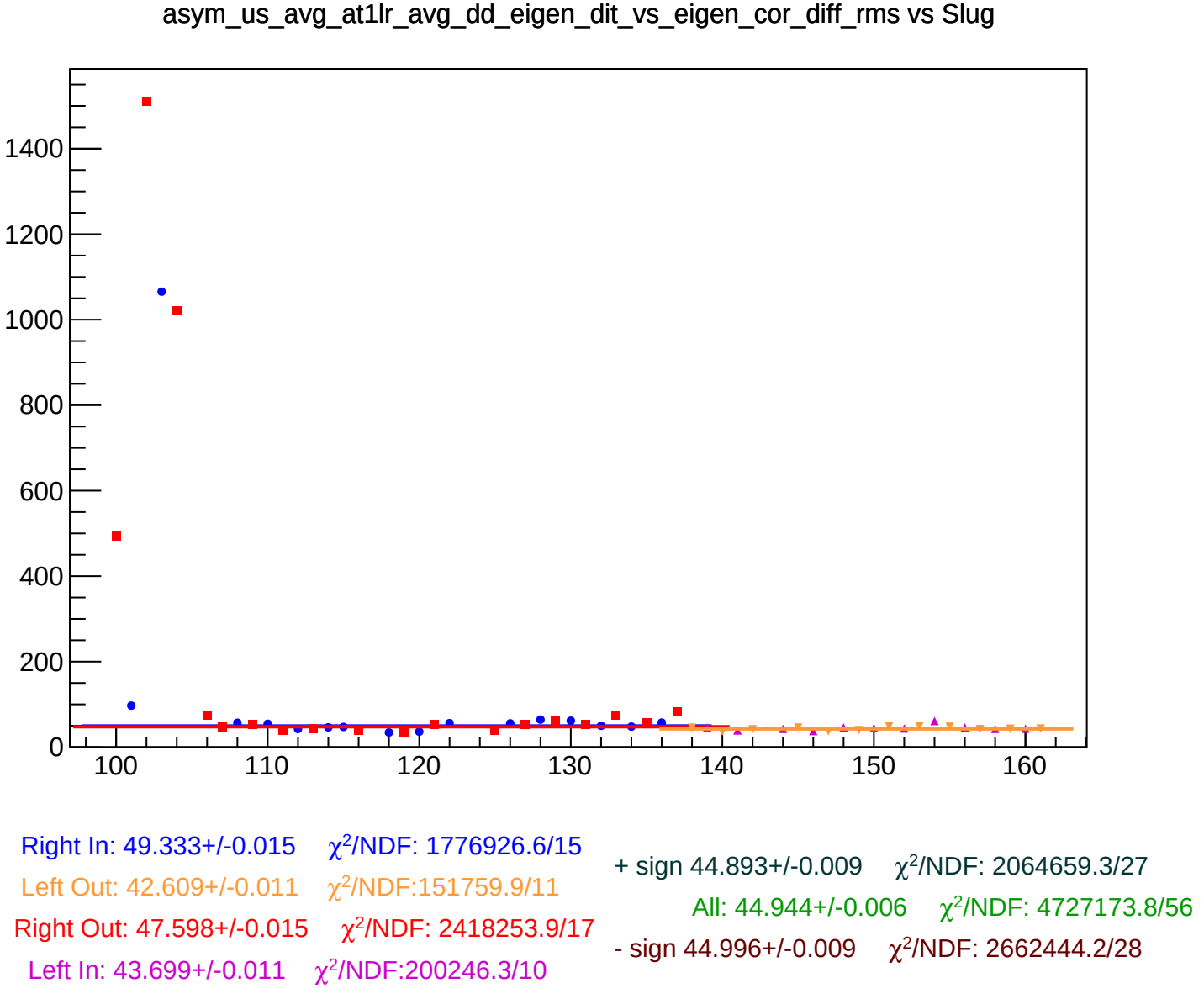
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

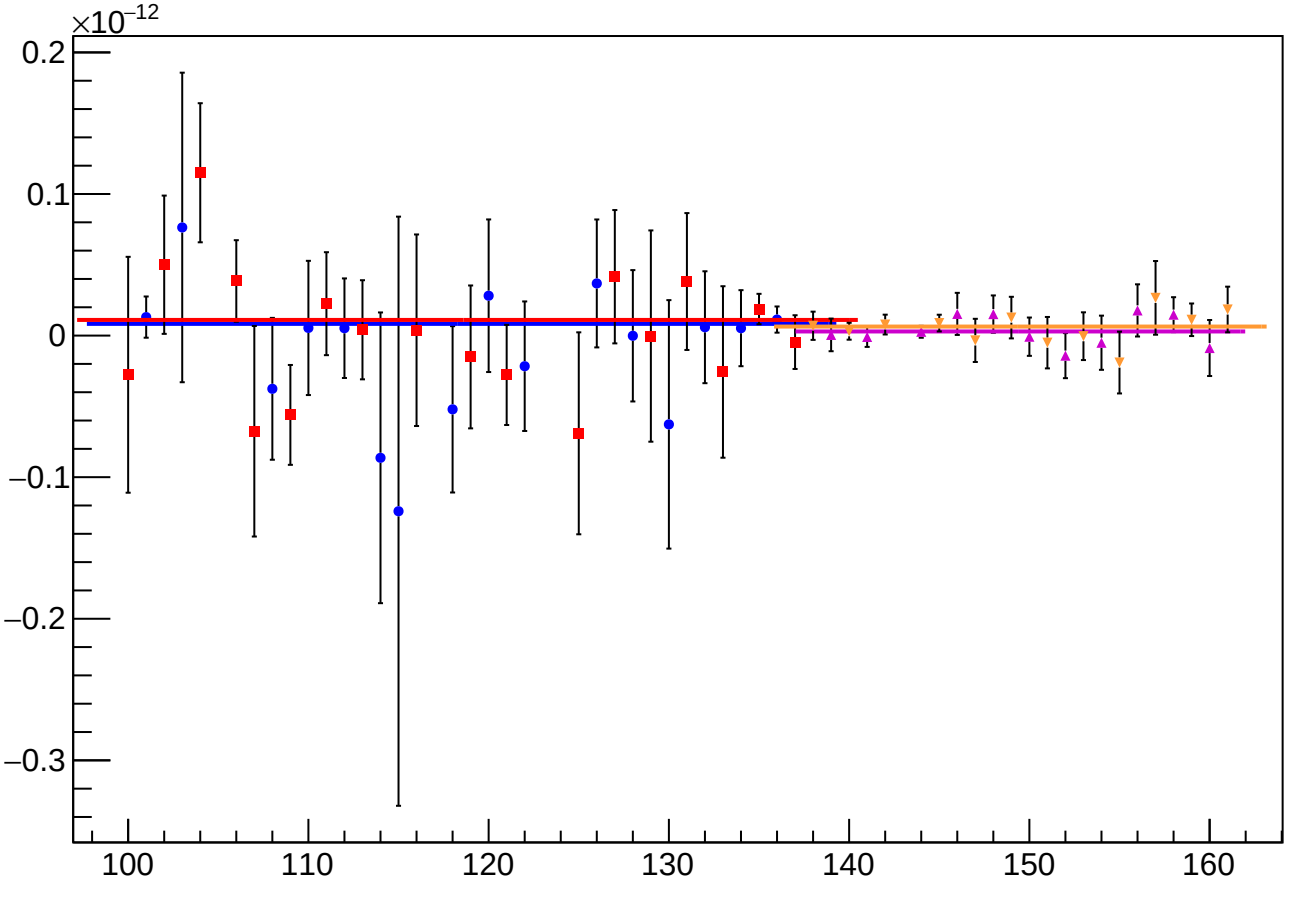
Left In: 0.000+/-0.015 χ^2/NDF:8.3/10

+ sign 0.004+/-0.012 χ^2/NDF: 48.1/27

All: 0.002+/-0.009 χ^2/NDF: 67.1/56

- sign -0.001+/-0.012 χ^2/NDF: 18.9/28


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.609+/-0.011 χ²/NDF:151759.9/11
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 43.699+/-0.011 χ²/NDF:200246.3/10
+ sign 44.893+/-0.009 χ²/NDF: 2064659.3/27
All: 44.944+/-0.006 χ²/NDF: 4727173.8/56
- sign 44.996+/-0.009 χ²/NDF: 2662444.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/11

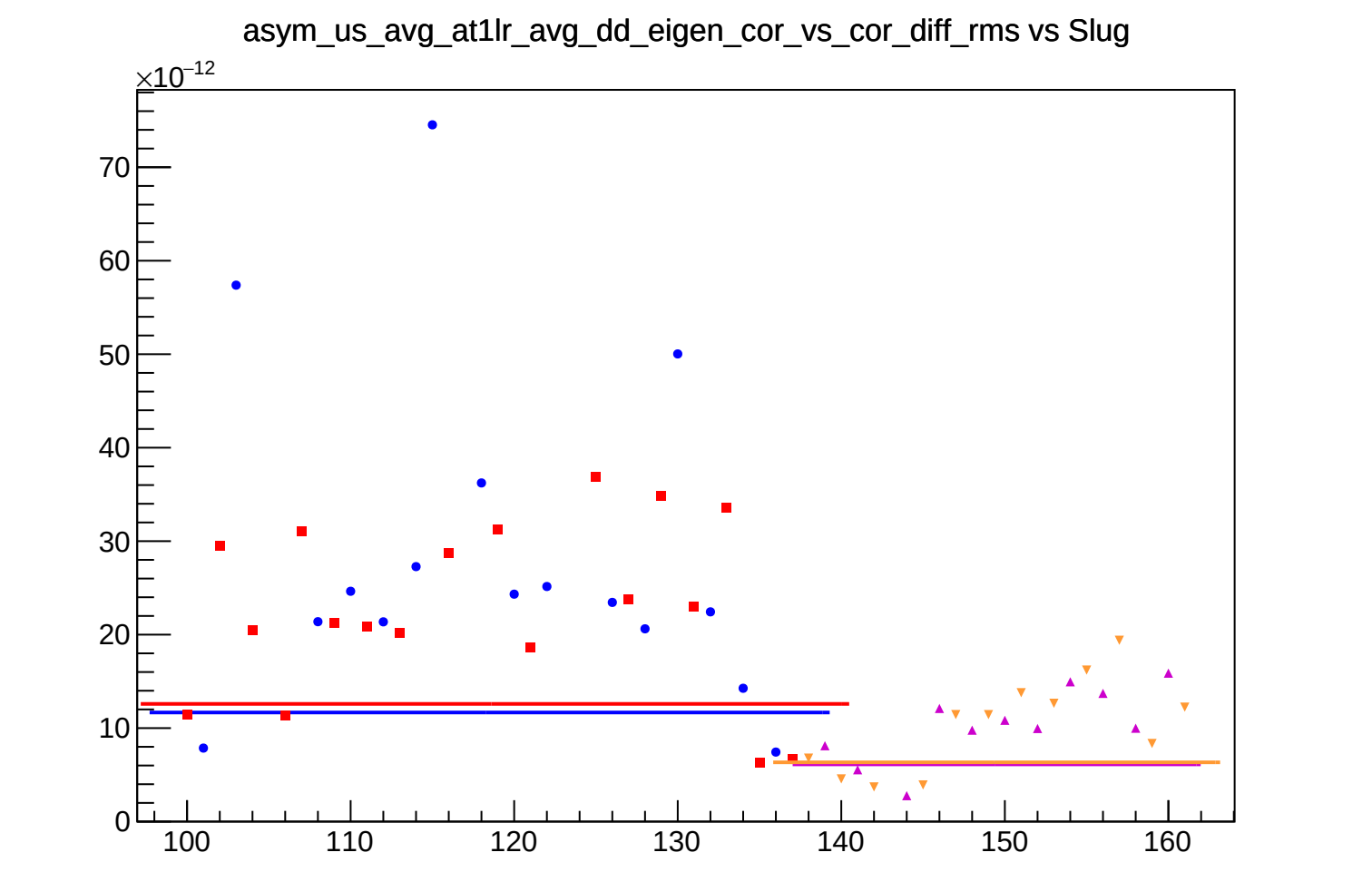
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:5.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 9.9/27

All: 0.000+/-0.000 χ^2/NDF: 32.9/56

- sign 0.000+/-0.000 χ^2/NDF: 22.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3124869.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

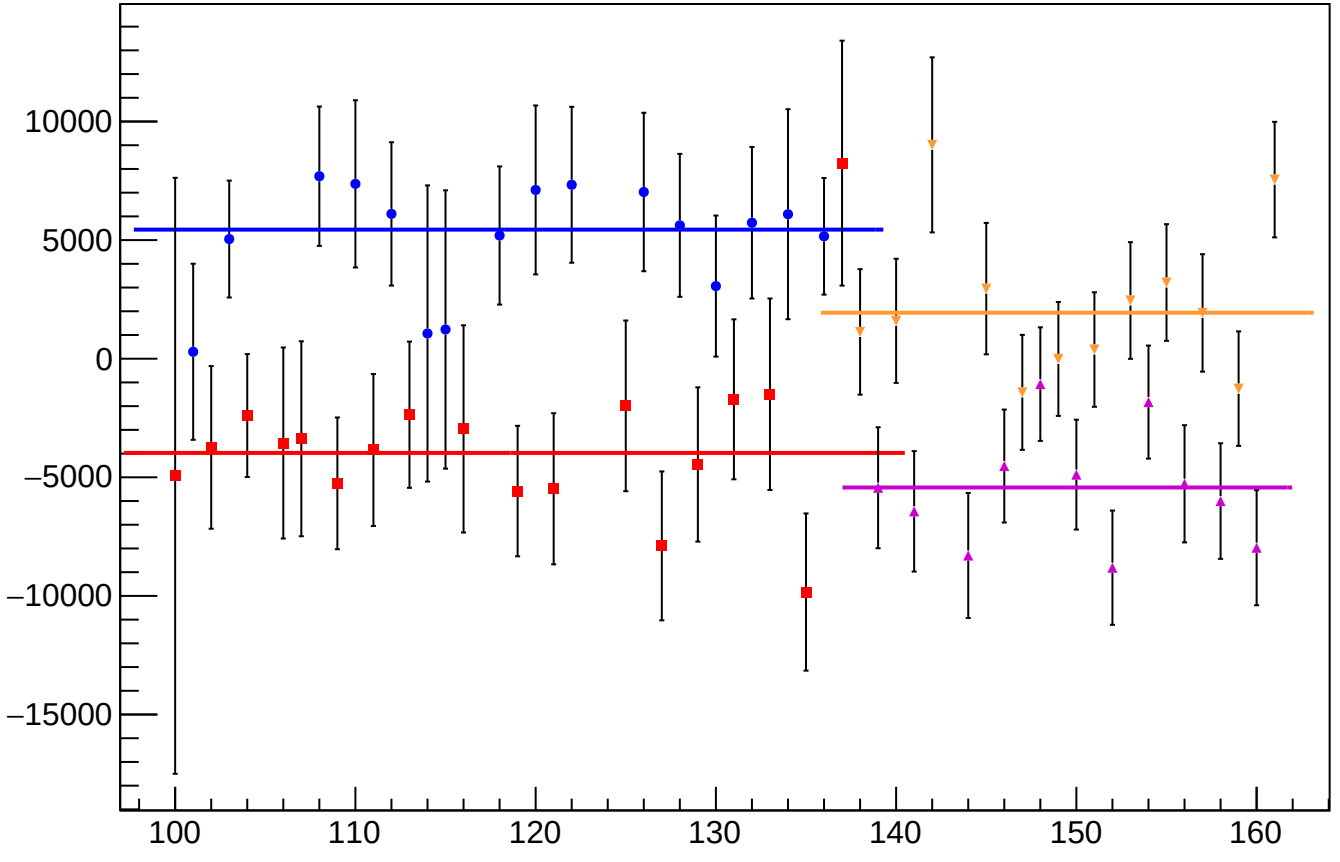
Left In: 0.000+/-0.000 χ^2/NDF:3626549.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 7104608.9/27

All: 0.000+/-0.000 χ^2/NDF: 15038777.4/56

- sign 0.000+/-0.000 χ^2/NDF: 7929948.6/28

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1939.860+/-736.791 χ^2/NDF:14.3/11

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

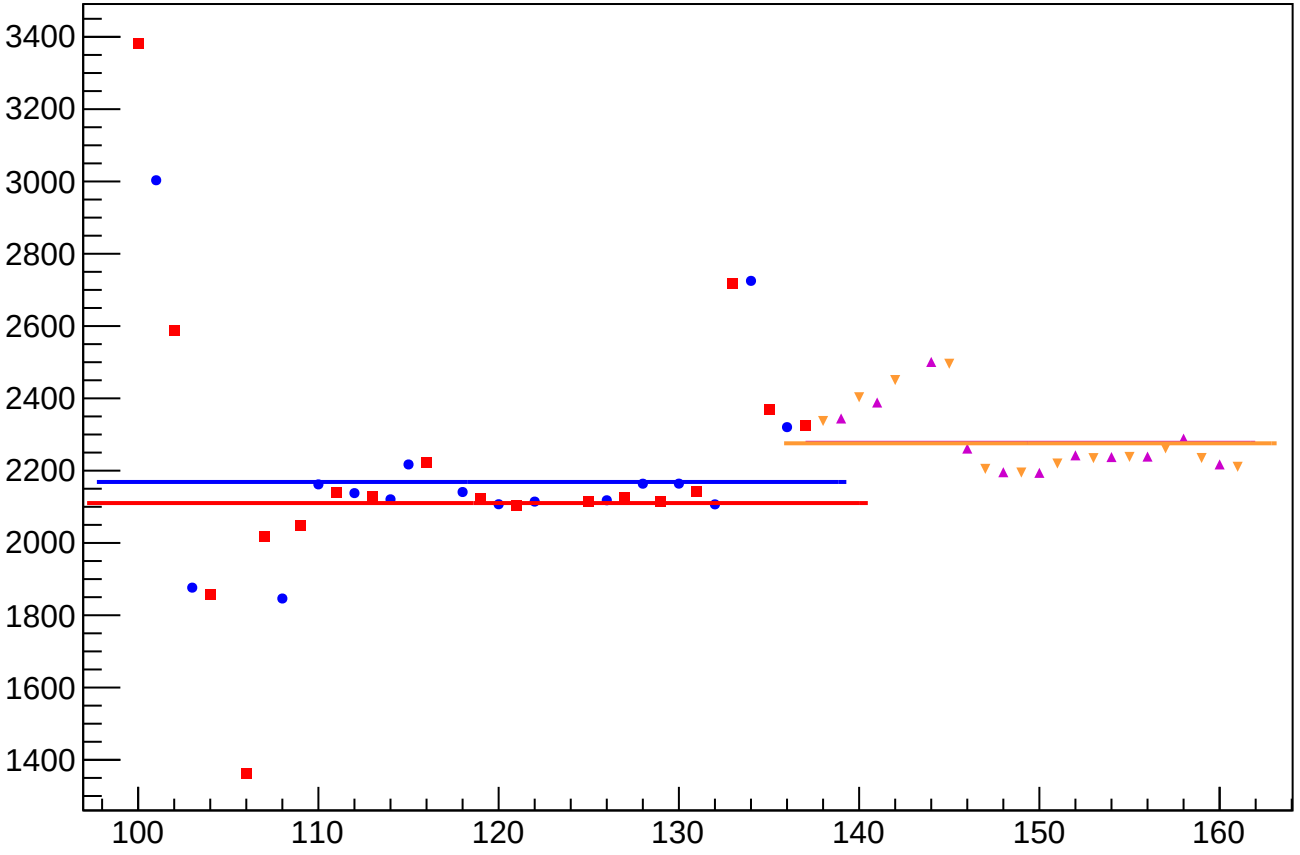
Left In: -5429.408+/-737.060 χ^2/NDF:10.3/10

+ sign 3520.279+/-545.808 χ^2/NDF: 29.9/27

All: -631.284+/-385.605 χ^2/NDF: 170.4/56

- sign -4768.270+/-544.849 χ^2/NDF: 25.0/28

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2275.643+/-0.521 χ^2/NDF:31074.3/11

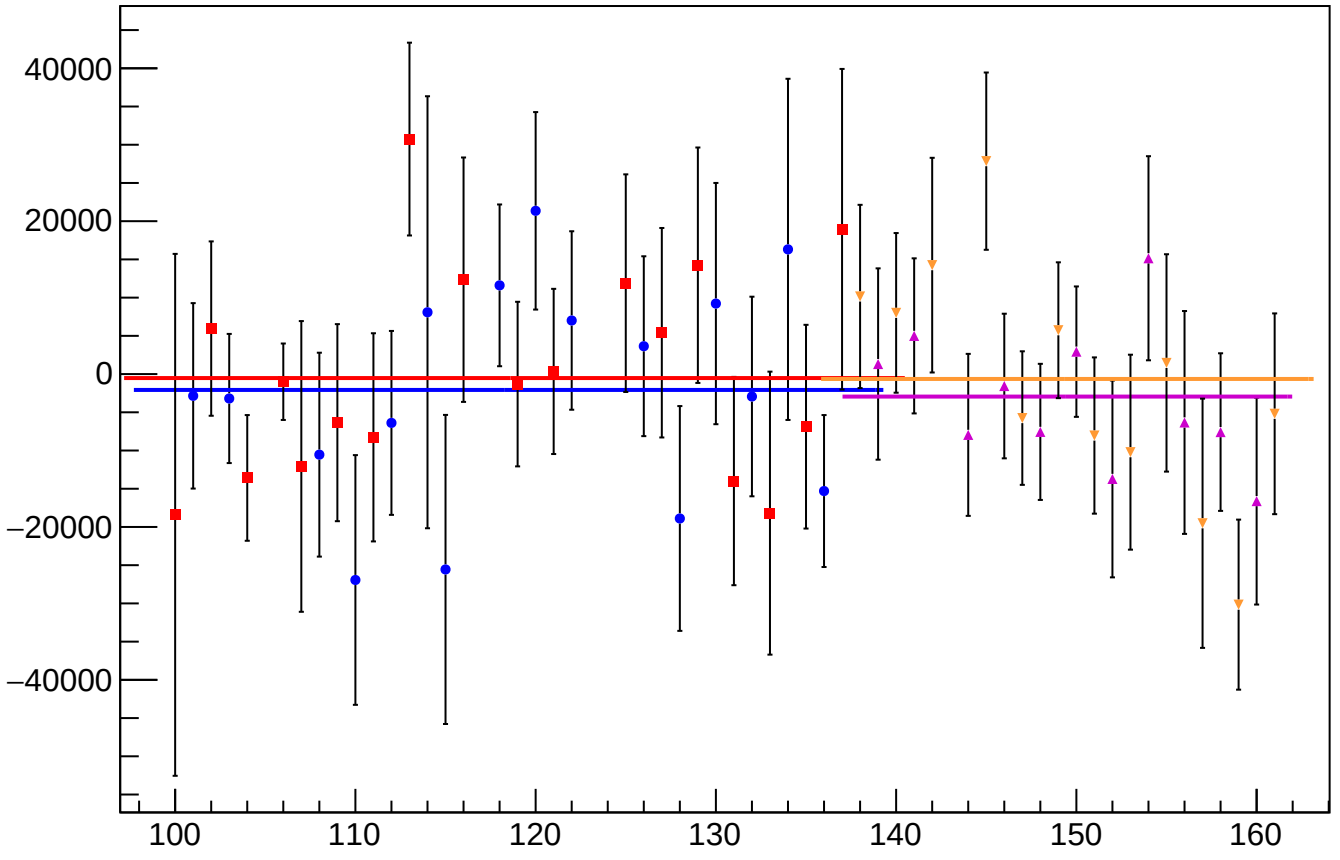
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2277.060+/-0.521 χ^2/NDF:27325.8/10

+ sign 2227.394+/-0.386 χ^2/NDF: 245740.9/27

All: 2213.638+/-0.272 χ^2/NDF: 590209.1/56

- sign 2200.130+/-0.382 χ^2/NDF: 341950.4/28



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -638.237+/-3283.845 χ^2/NDF:19.1/11

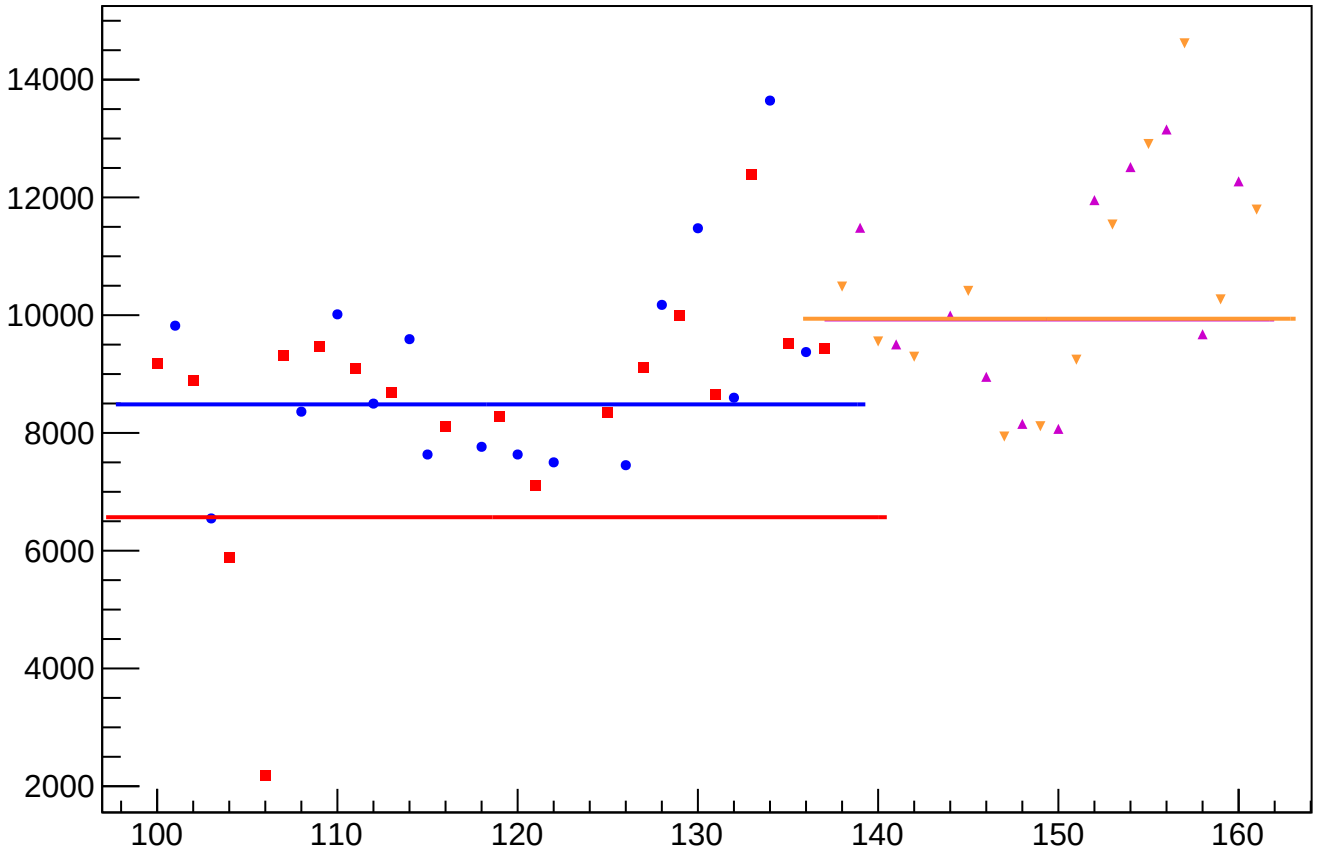
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -2943.604+/-3265.695 χ^2/NDF:5.5/10

+ sign -1372.406+/-2296.241 χ^2/NDF: 33.7/27

All: -1448.615+/-1544.825 χ^2/NDF: 55.2/56

- sign -1511.628+/-2088.002 χ^2/NDF: 21.5/28



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9939.696+/-2.322 χ^2/NDF:537944.1/11

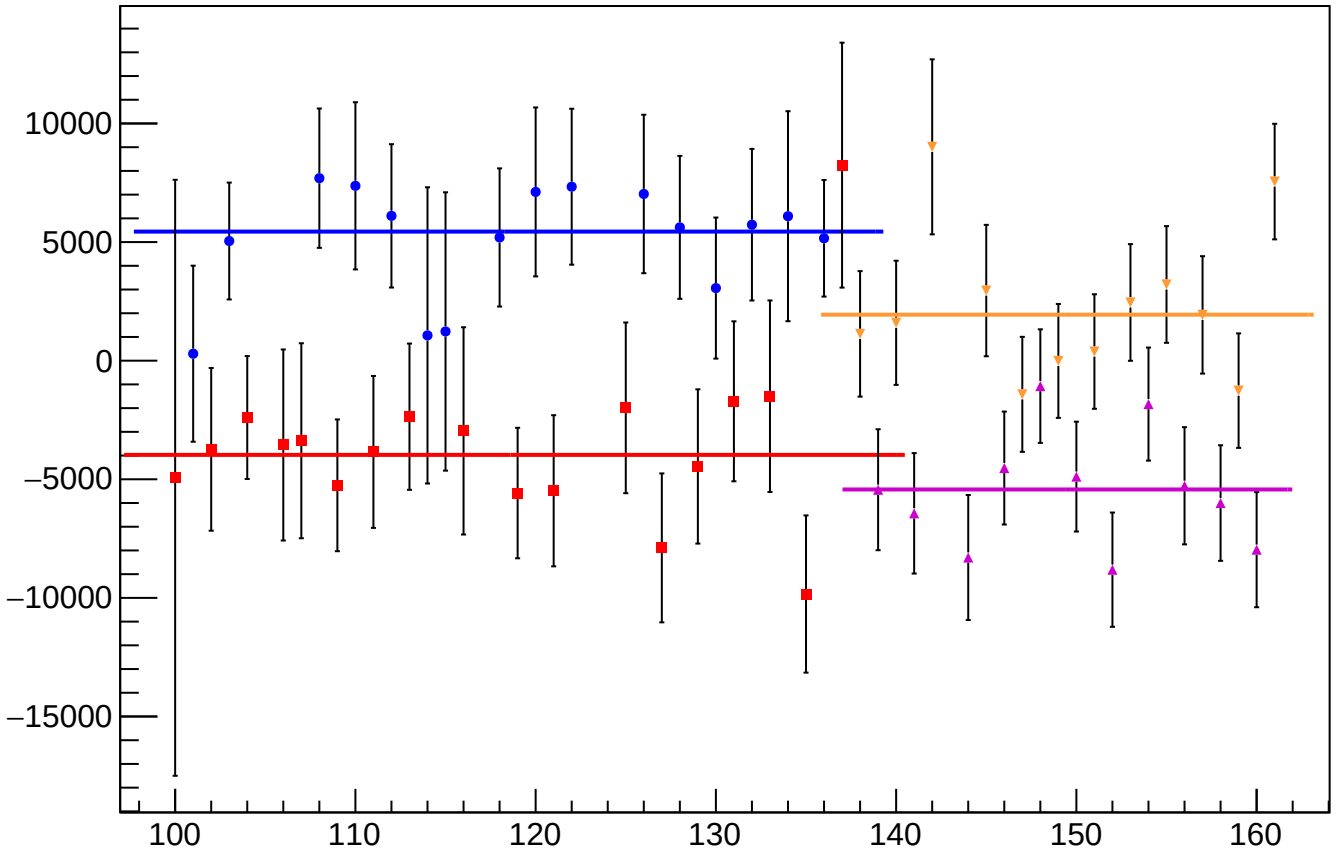
Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9927.329+/-2.309 χ^2/NDF:513940.0/10

+ sign 9196.281+/-1.624 χ^2/NDF: 1161221.0/27

All: 8509.543+/-1.092 χ^2/NDF: 5821493.9/56

- sign 7941.714+/-1.476 χ^2/NDF: 4333474.1/28



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1939.746+/-736.791 χ^2/NDF:14.3/11

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

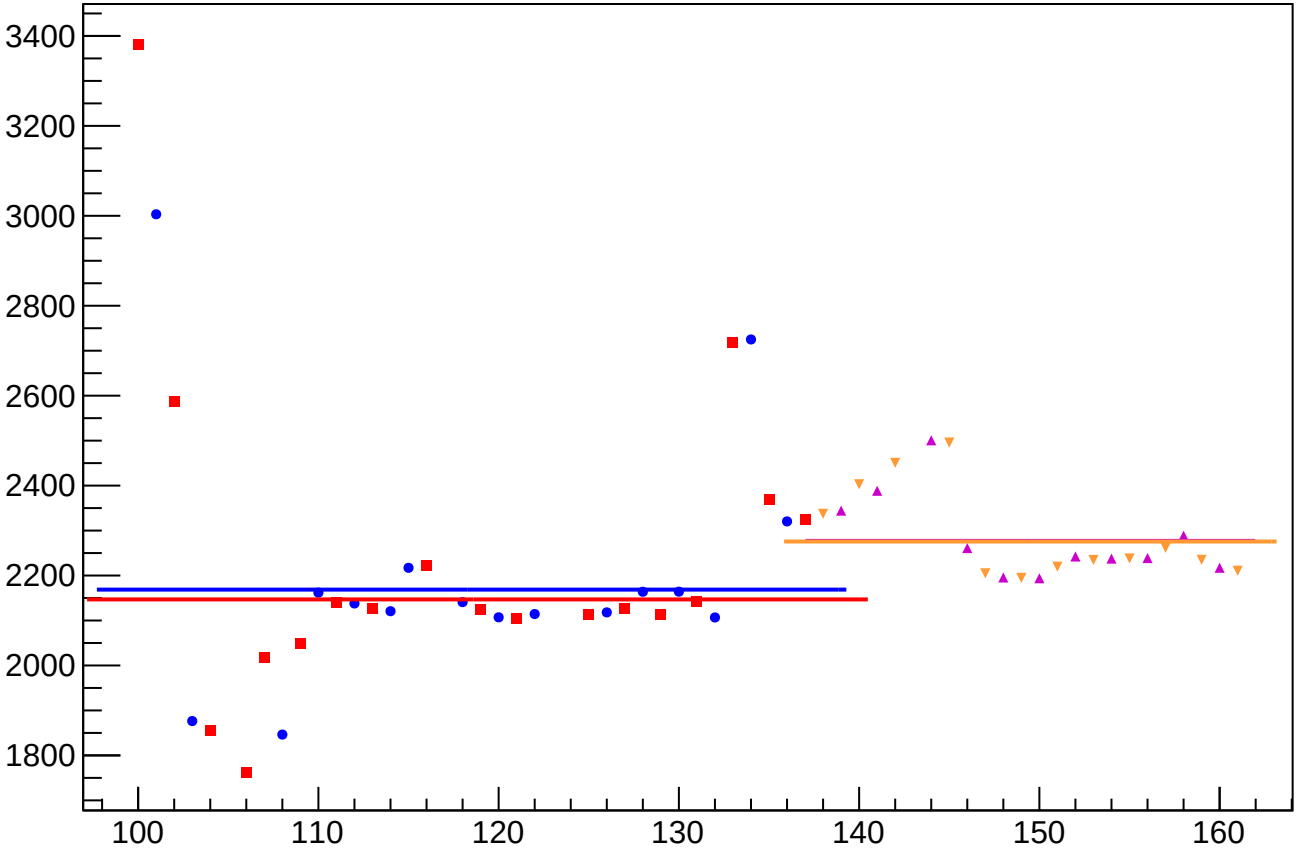
Left In: -5429.548+/-737.060 χ^2/NDF:10.3/10

+ sign 3520.281+/-545.808 χ^2/NDF: 29.9/27

All: -631.263+/-385.605 χ^2/NDF: 170.4/56

- sign -4768.229+/-544.849 χ^2/NDF: 25.0/28

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2275.643+/-0.521 χ^2/NDF:31074.3/11

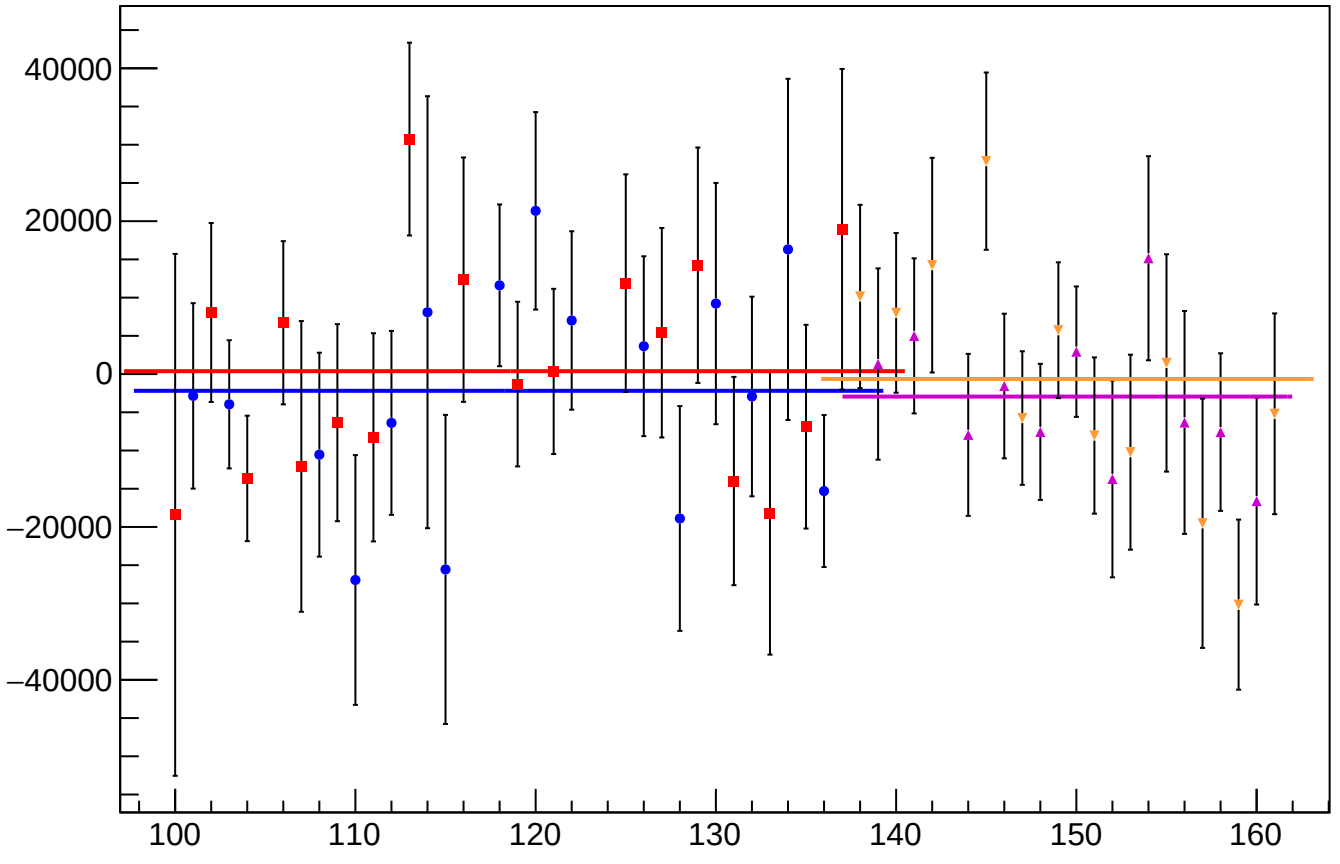
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2277.060+/-0.521 χ^2/NDF:27325.8/10

+ sign 2227.394+/-0.386 χ^2/NDF: 245741.3/27

All: 2222.527+/-0.272 χ^2/NDF: 459582.4/56

- sign 2217.699+/-0.384 χ^2/NDF: 213524.3/28



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -638.295+/-3283.843 χ^2/NDF:19.1/11

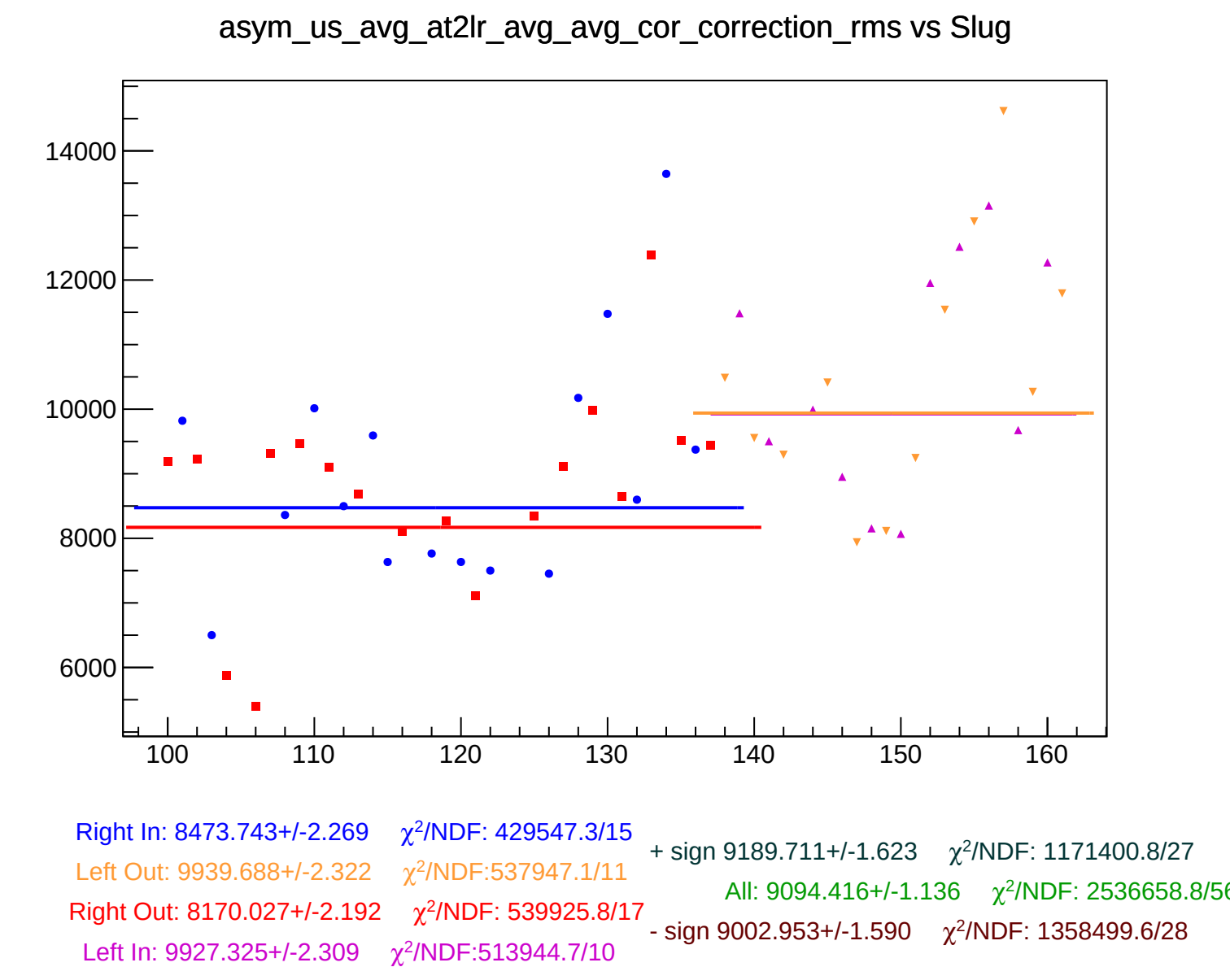
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

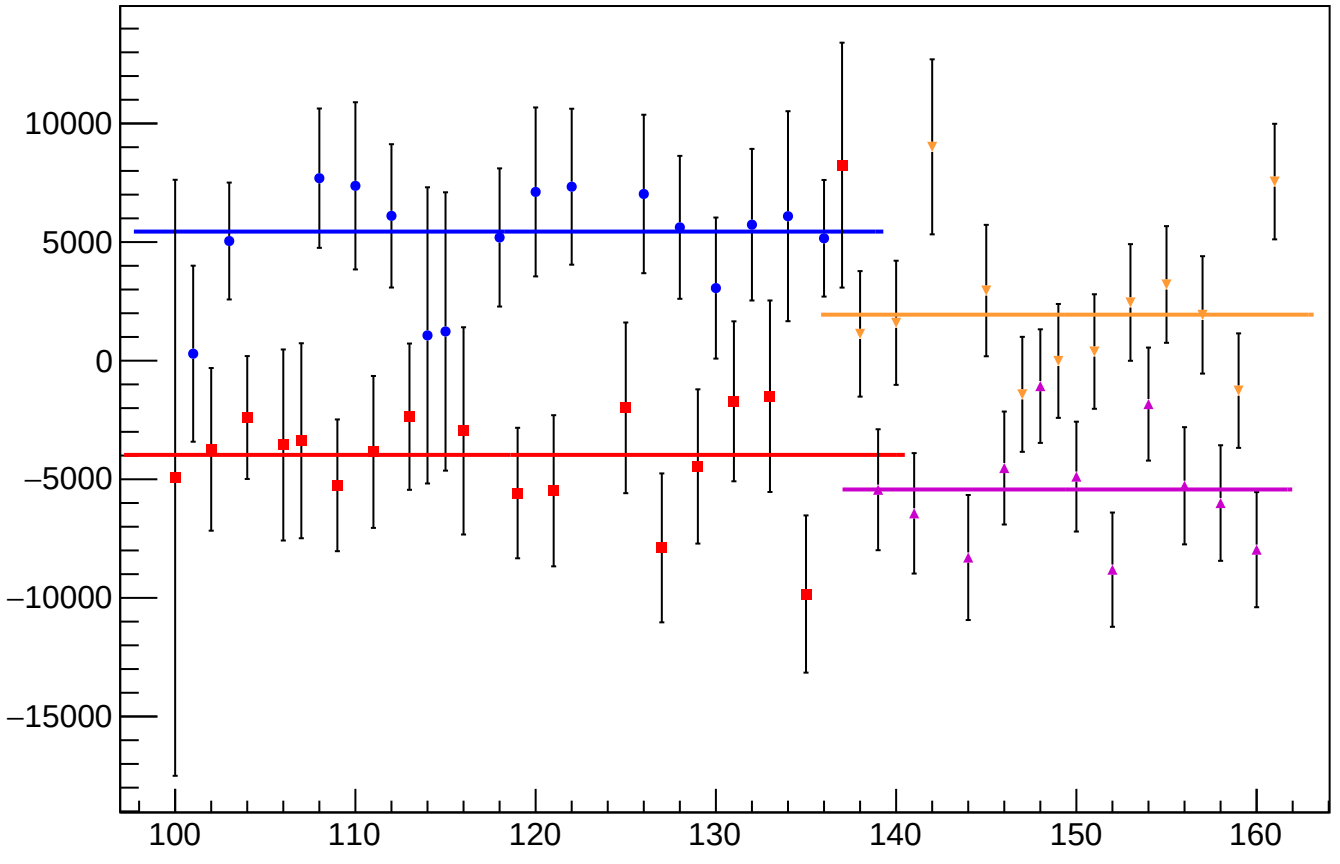
Left In: -2943.827+/-3265.693 χ^2/NDF:5.5/10

+ sign -1431.766+/-2294.935 χ^2/NDF: 33.7/27

All: -1311.378+/-1606.025 χ^2/NDF: 56.1/56

- sign -1195.832+/-2248.308 χ^2/NDF: 22.4/28


asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 8473.743+/-2.269 χ²/NDF: 429547.3/15
Left Out: 9939.688+/-2.322 χ²/NDF:537947.1/11
Right Out: 8170.027+/-2.192 χ²/NDF: 539925.8/17
Left In: 9927.325+/-2.309 χ²/NDF:513944.7/10
+ sign 9189.711+/-1.623 χ²/NDF: 1171400.8/27
All: 9094.416+/-1.136 χ²/NDF: 2536658.8/56
- sign 9002.953+/-1.590 χ²/NDF: 1358499.6/28



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1939.746+/-736.791 χ^2/NDF:14.3/11

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

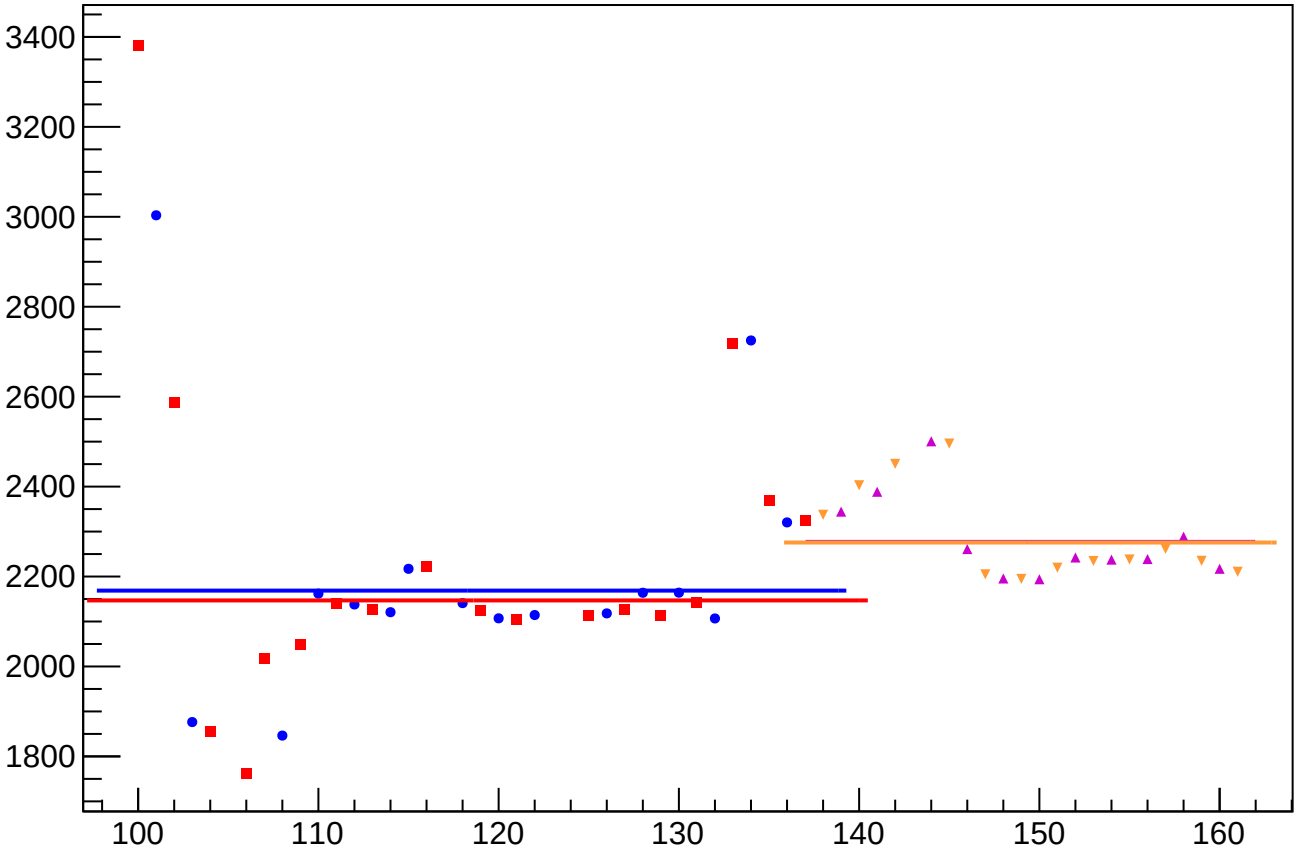
Left In: -5429.548+/-737.060 χ^2/NDF:10.3/10

+ sign 3520.281+/-545.808 χ^2/NDF: 29.9/27

All: -631.263+/-385.605 χ^2/NDF: 170.4/56

- sign -4768.229+/-544.849 χ^2/NDF: 25.0/28

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: 2275.643+/-0.521 χ^2/NDF:31074.3/11

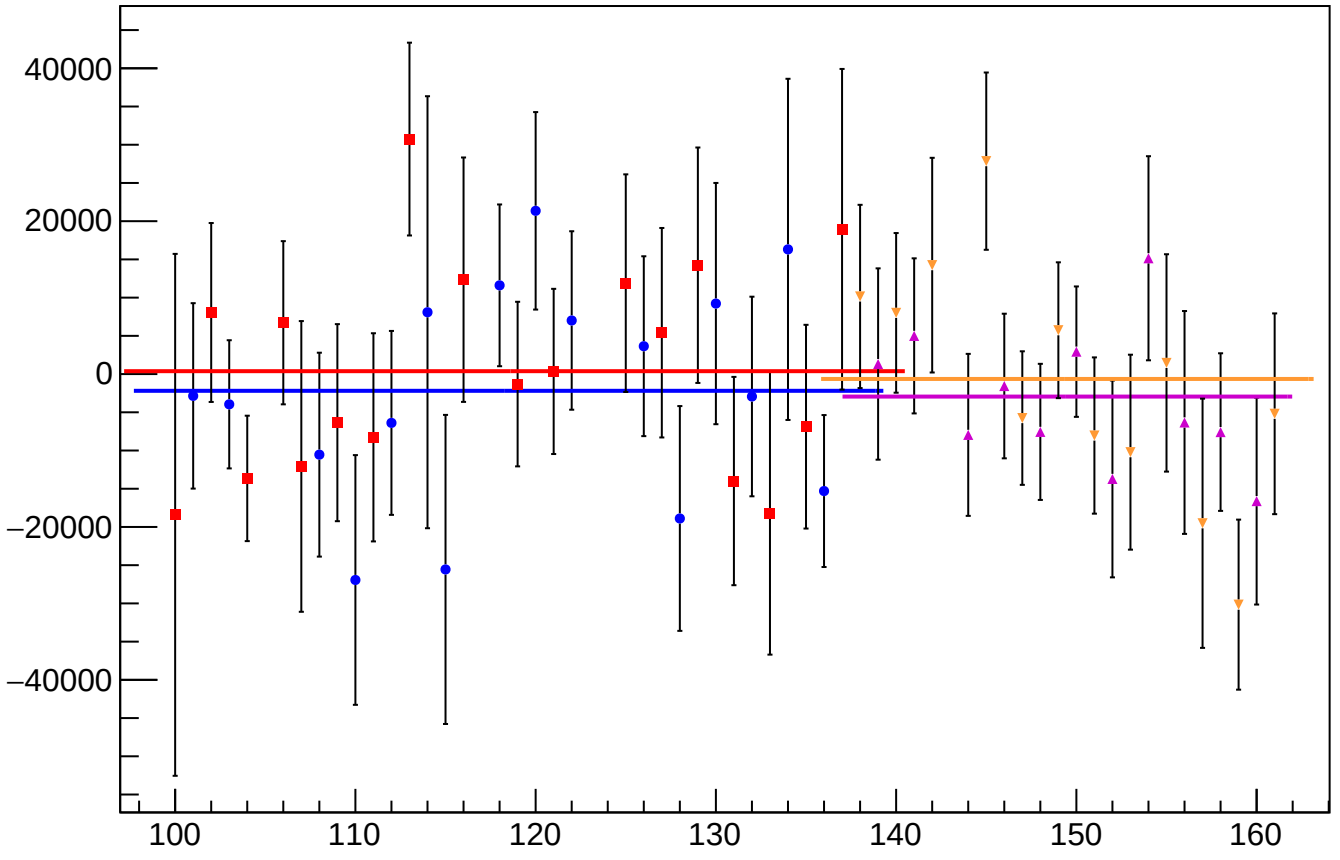
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2277.060+/-0.521 χ^2/NDF:27325.8/10

+ sign 2227.394+/-0.386 χ^2/NDF: 245741.3/27

All: 2222.527+/-0.272 χ^2/NDF: 459582.4/56

- sign 2217.699+/-0.384 χ^2/NDF: 213524.3/28



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -638.295+/-3283.843 χ^2/NDF:19.1/11

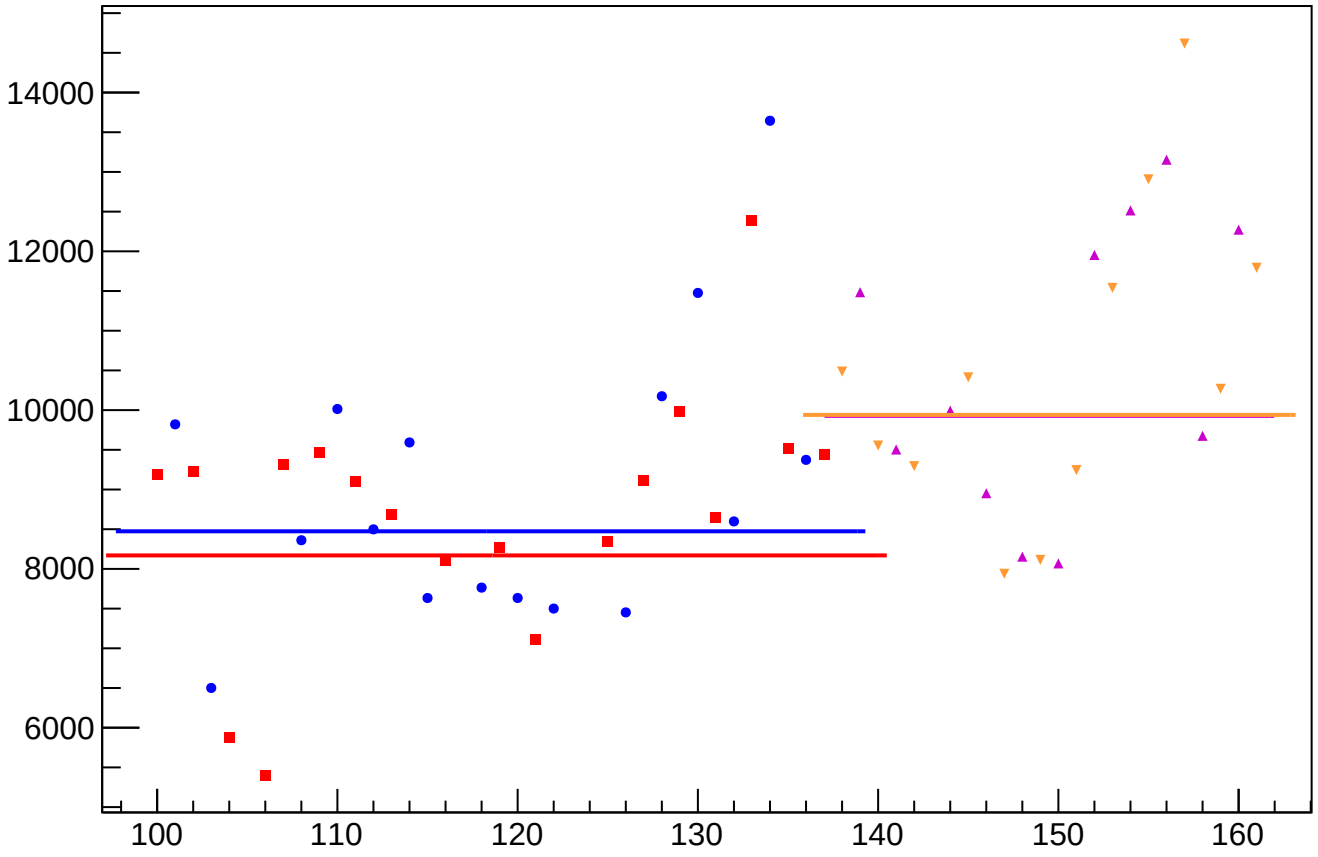
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -2943.827+/-3265.693 χ^2/NDF:5.5/10

+ sign -1431.766+/-2294.935 χ^2/NDF: 33.7/27

All: -1311.378+/-1606.025 χ^2/NDF: 56.1/56

- sign -1195.832+/-2248.308 χ^2/NDF: 22.4/28



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9939.688+/-2.322 χ^2/NDF:537947.1/11

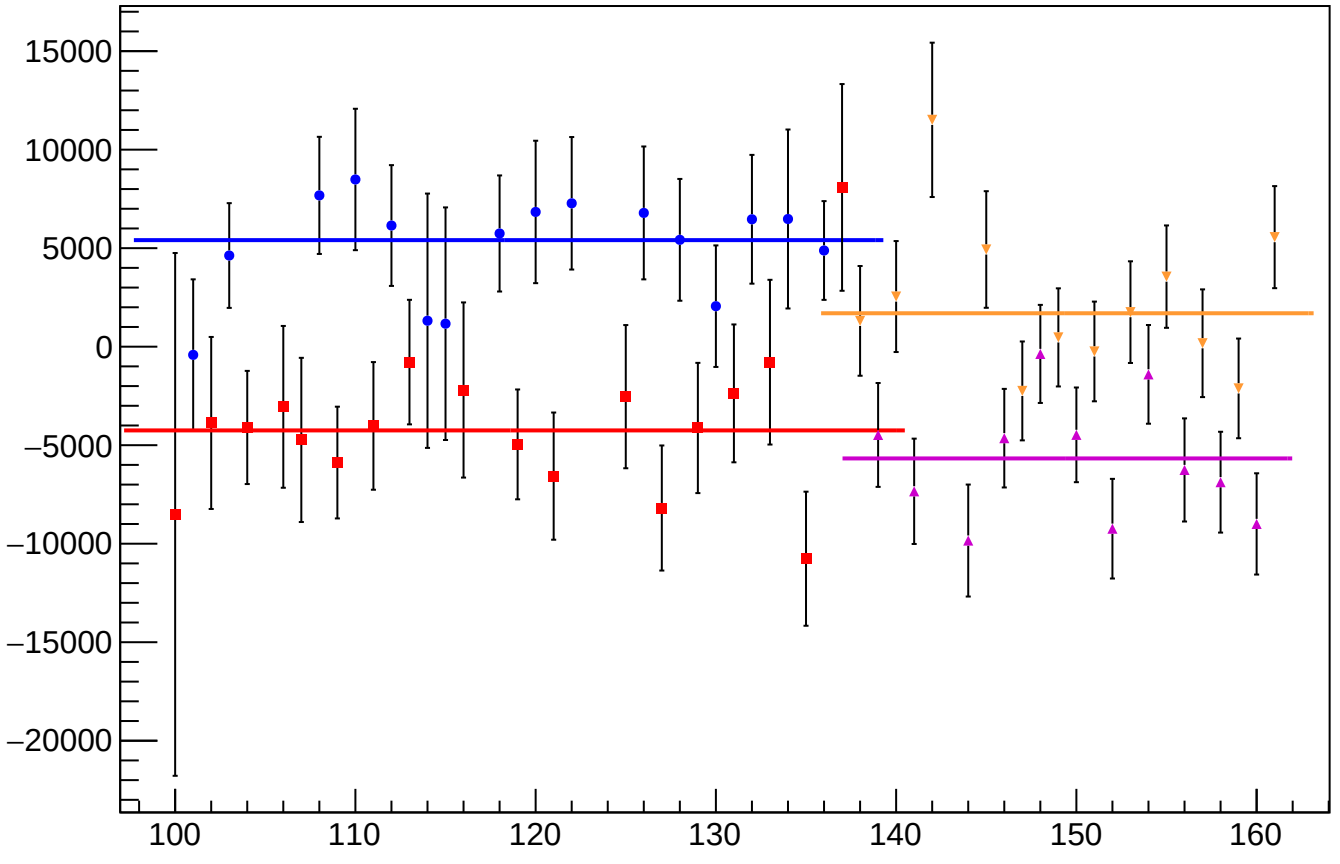
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9927.325+/-2.309 χ^2/NDF:513944.7/10

\+ sign 9189.711+/-1.623 χ^2/NDF: 1171400.8/27

All: 9094.416+/-1.136 χ^2/NDF: 2536658.8/56

\- sign 9002.953+/-1.590 χ^2/NDF: 1358499.6/28



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1696.478+/-778.973 χ^2/NDF:16.2/11

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

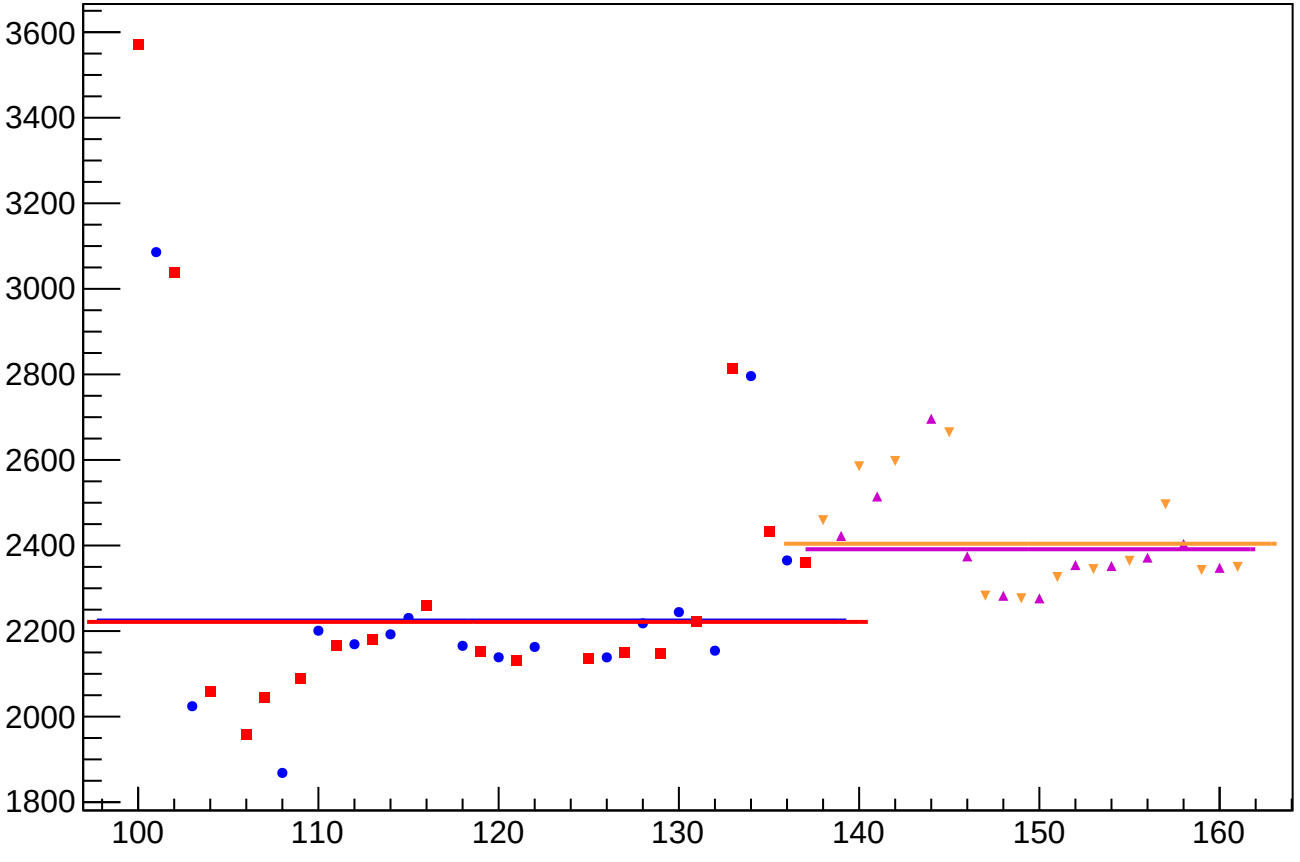
Left In: -5672.180+/-774.317 χ^2/NDF:14.5/10

+ sign 3426.395+/-569.178 χ^2/NDF: 33.5/27

All: -796.328+/-402.451 χ^2/NDF: 174.1/56

- sign -5018.254+/-569.124 χ^2/NDF: 30.6/28

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2404.172+/-0.551 χ^2/NDF:47069.2/11

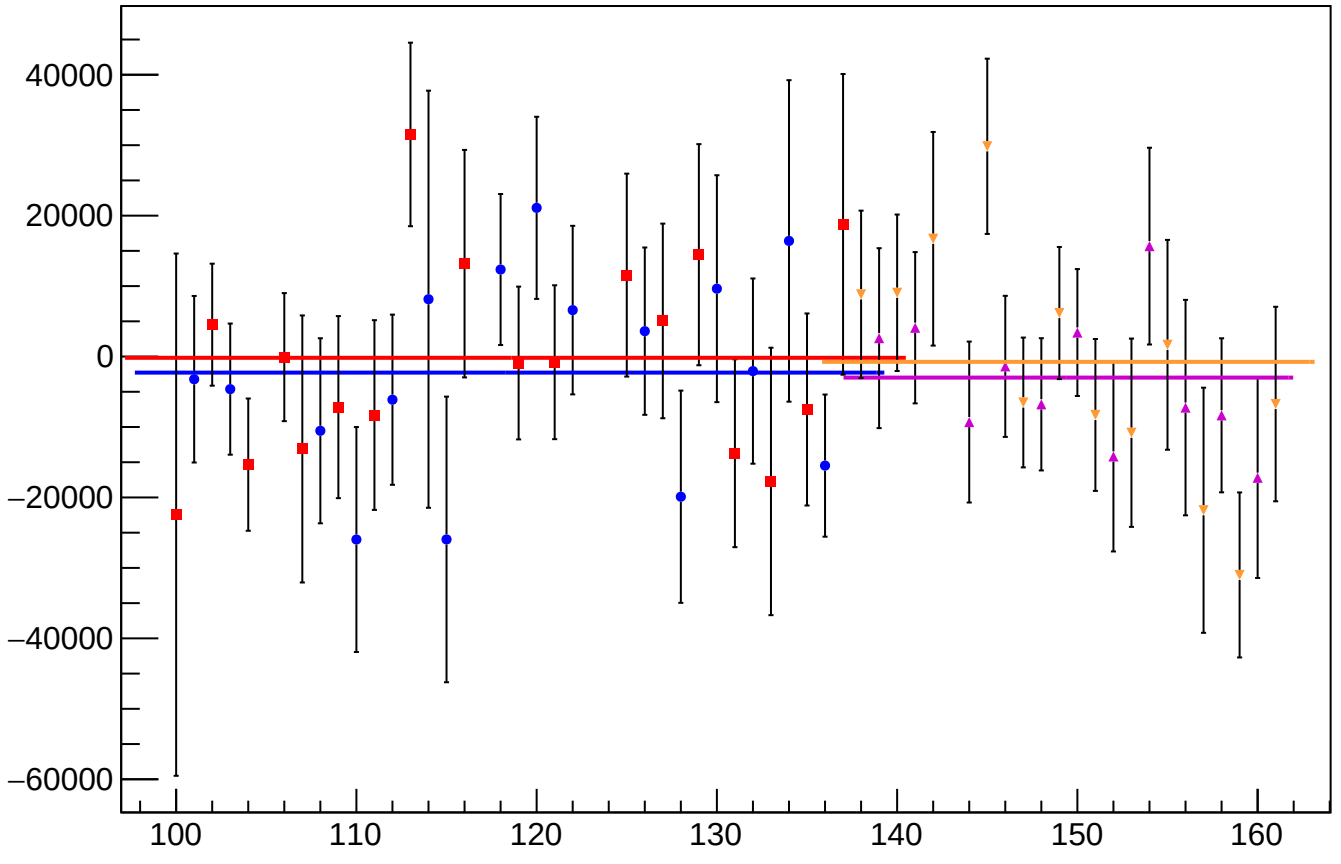
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2391.211+/-0.548 χ^2/NDF:37687.9/10

+ sign 2320.478+/-0.402 χ^2/NDF: 281280.9/27

All: 2316.786+/-0.285 χ^2/NDF: 533322.6/56

- sign 2313.096+/-0.402 χ^2/NDF: 251873.4/28



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -751.379+/-3456.421 χ^2/NDF:19.2/11

Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

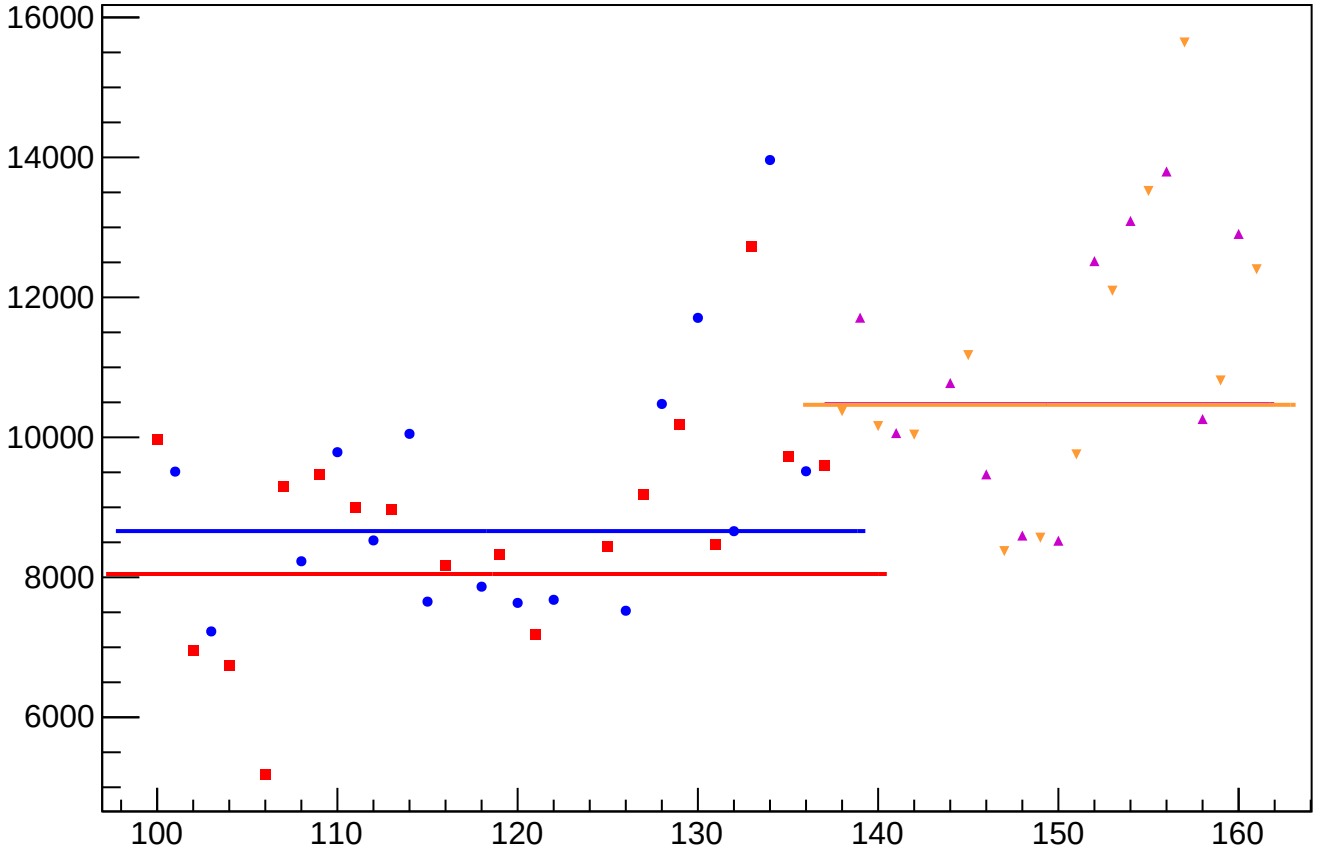
Left In: -2987.391+/-3443.573 χ^2/NDF:5.4/10

+ sign -1556.792+/-2376.081 χ^2/NDF: 33.7/27

All: -1478.102+/-1644.008 χ^2/NDF: 55.2/56

- sign -1405.835+/-2277.038 χ^2/NDF: 21.4/28

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10465.012+/-2.444 χ^2/NDF:535414.5/11

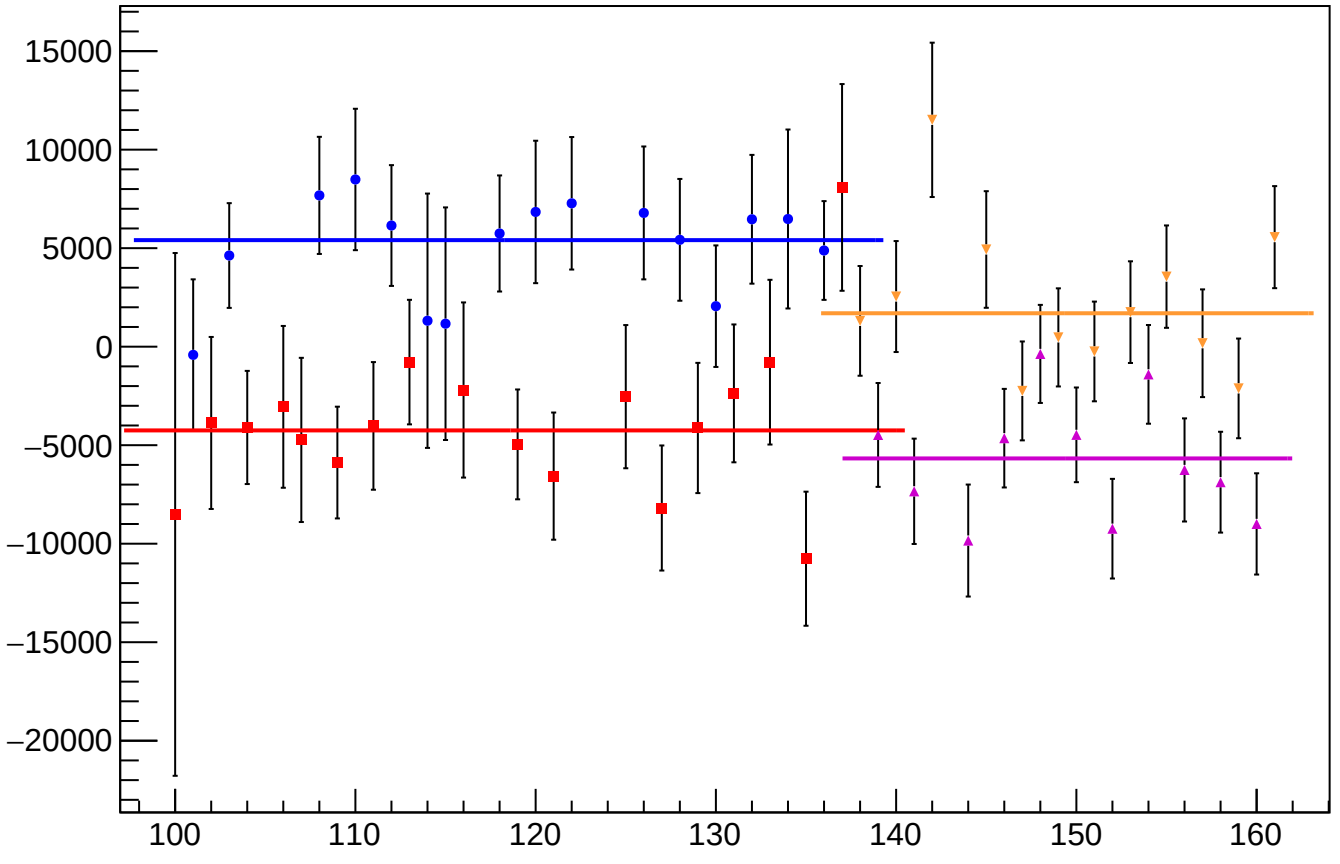
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10475.271+/-2.435 χ^2/NDF:486973.3/10

+ sign 9513.387+/-1.680 χ^2/NDF: 1180816.1/27

All: 9302.590+/-1.162 χ^2/NDF: 2815998.1/56

- sign 9109.001+/-1.610 χ^2/NDF: 1604984.8/28



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1696.462+/-778.974 χ^2/NDF:16.2/11

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

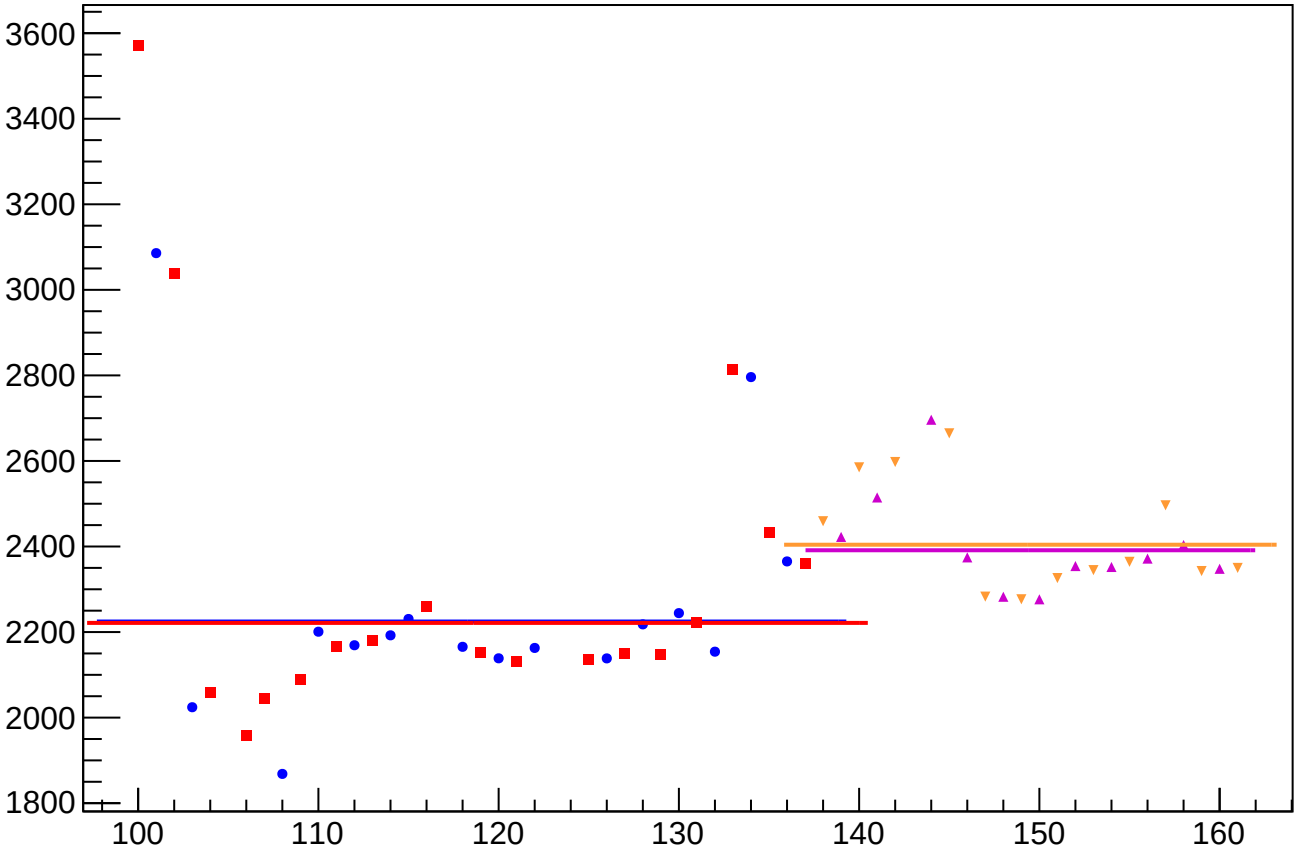
Left In: -5672.182+/-774.318 χ^2/NDF:14.5/10

+ sign 3426.390+/-569.179 χ^2/NDF: 33.5/27

All: -796.332+/-402.451 χ^2/NDF: 174.1/56

- sign -5018.256+/-569.125 χ^2/NDF: 30.6/28

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: 2404.175+/-0.551 χ^2/NDF:47069.8/11

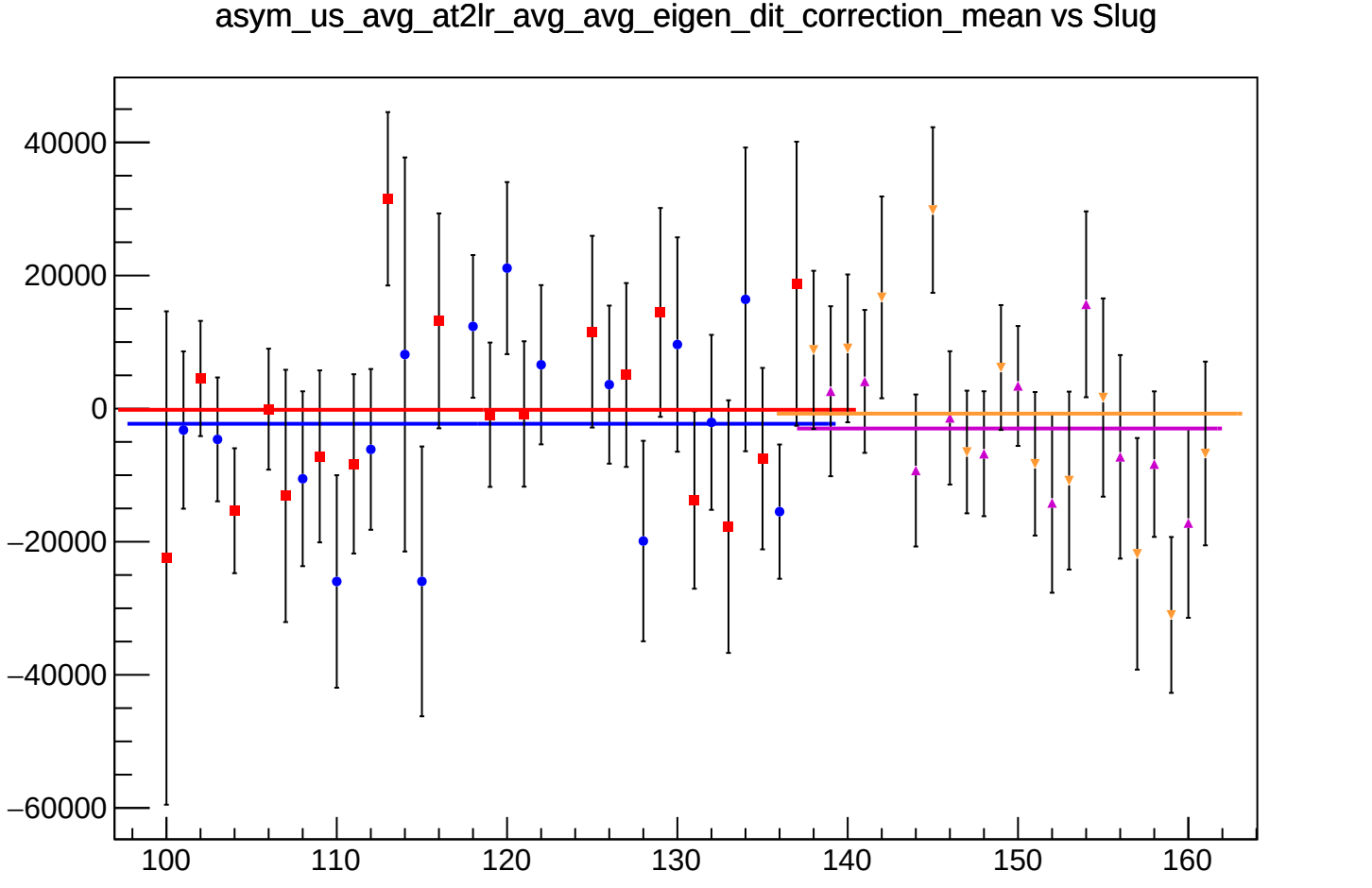
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2391.214+/-0.548 χ^2/NDF:37688.2/10

+ sign 2320.479+/-0.402 χ^2/NDF: 281283.9/27

All: 2316.787+/-0.285 χ^2/NDF: 533327.9/56

- sign 2313.097+/-0.402 χ^2/NDF: 251875.7/28



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: -751.389+/-3456.426 χ^2/NDF:19.2/11

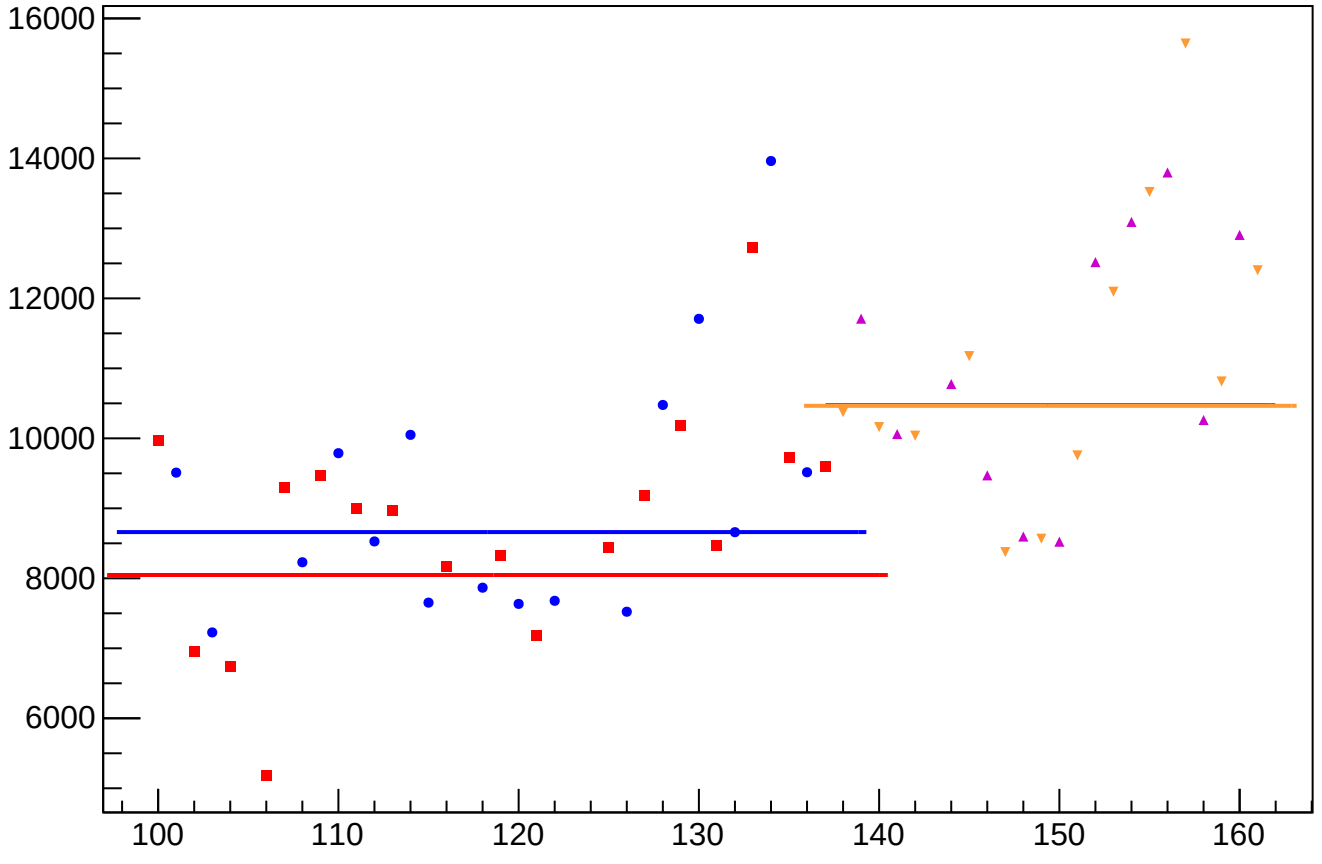
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -2987.392+/-3443.578 χ^2/NDF:5.4/10

+ sign -1556.788+/-2376.079 χ^2/NDF: 33.7/27

All: -1478.099+/-1644.007 χ^2/NDF: 55.2/56

- sign -1405.833+/-2277.037 χ^2/NDF: 21.4/28



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10465.027+/-2.444 χ^2/NDF:535415.6/11

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

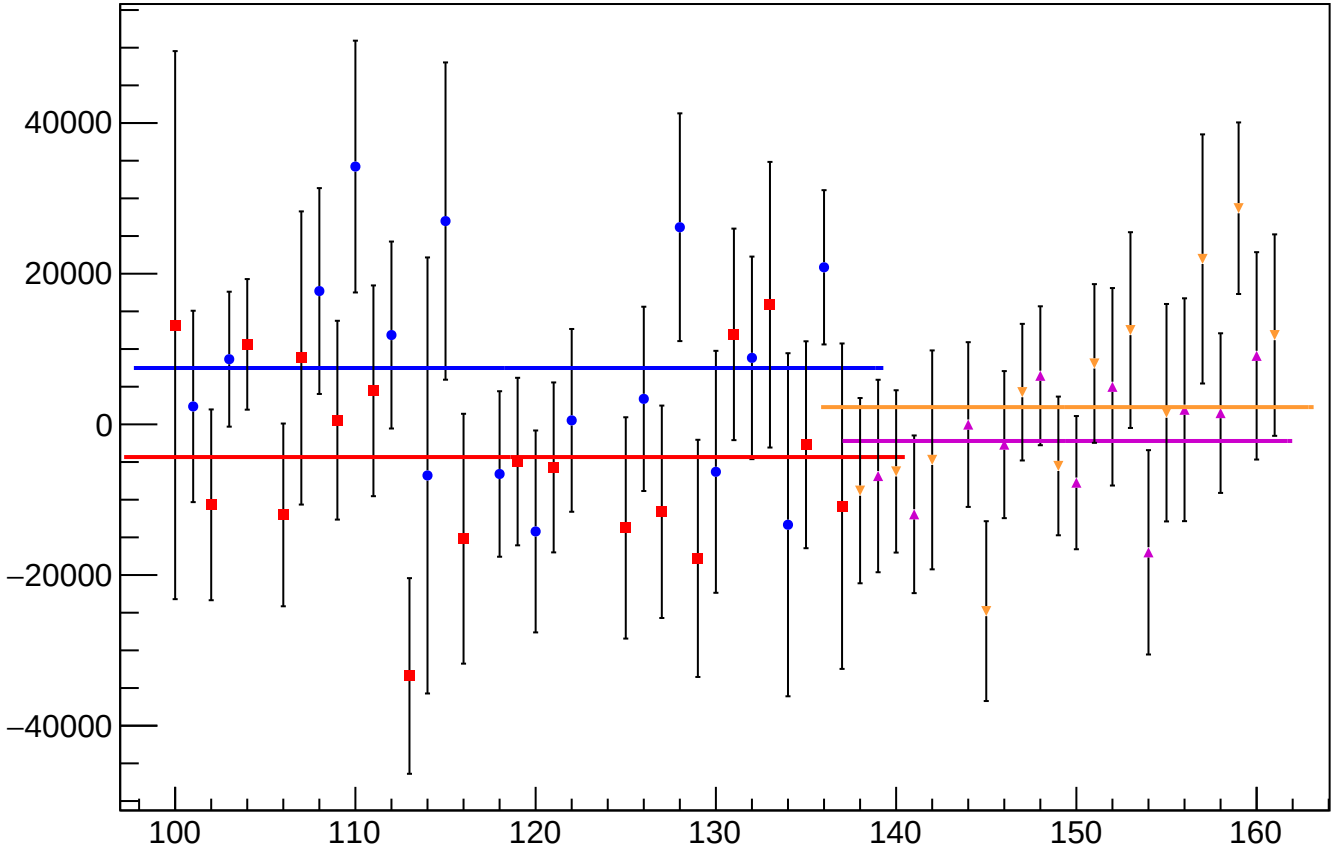
Left In: 10475.285+/-2.435 χ^2/NDF:486973.7/10

+ sign 9513.379+/-1.680 χ^2/NDF: 1180830.9/27

All: 9302.582+/-1.162 χ^2/NDF: 2816026.6/56

- sign 9108.993+/-1.610 χ^2/NDF: 1604998.5/28

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2290.519+/-3377.774 χ^2/NDF:15.8/11

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

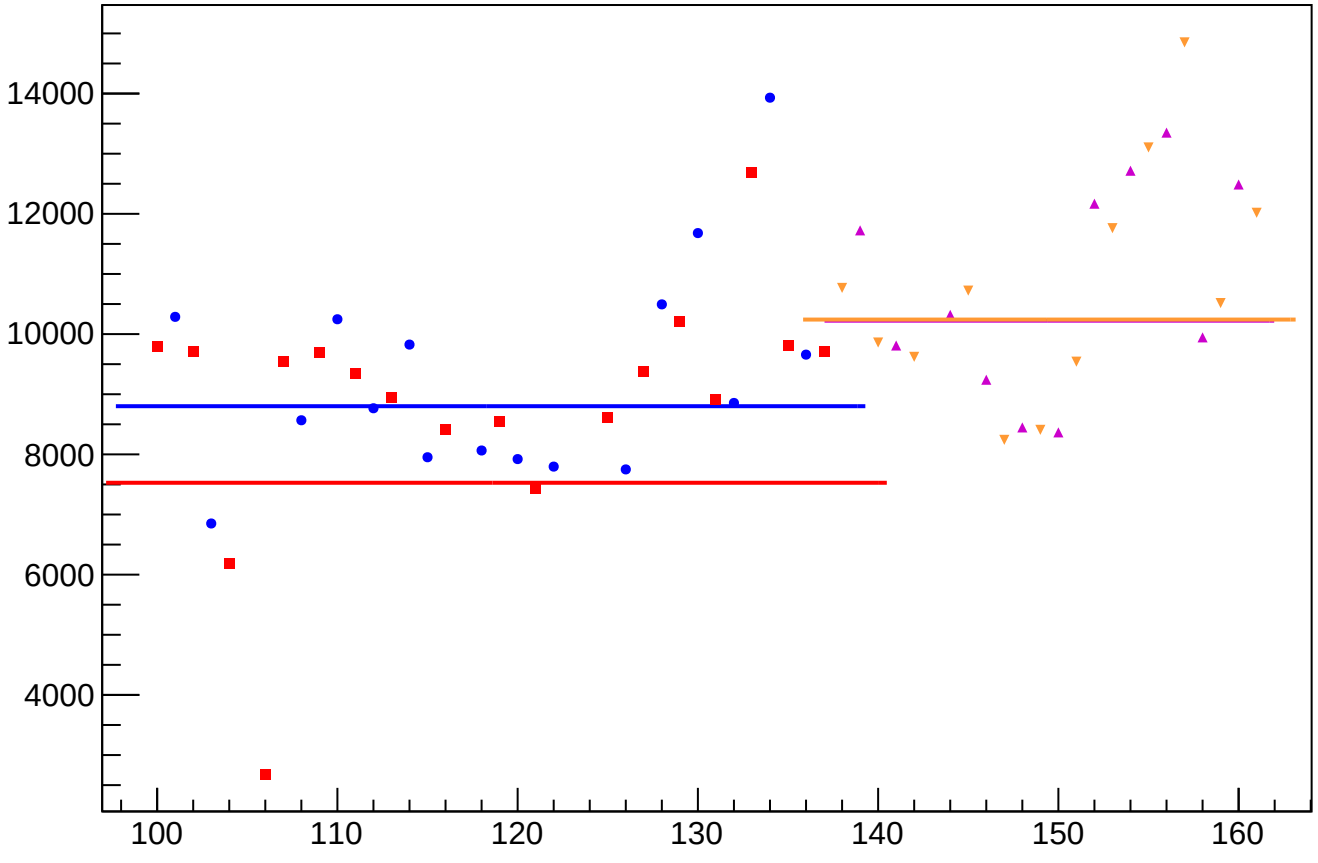
Left In: -2205.350+/-3357.924 χ^2/NDF:4.7/10

+ sign 4922.402+/-2371.706 χ^2/NDF: 31.0/27

All: 738.236+/-1663.043 χ^2/NDF: 56.4/56

- sign -3309.004+/-2332.577 χ^2/NDF: 19.2/28

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10241.717+/-2.388 χ^2/NDF:496489.8/11

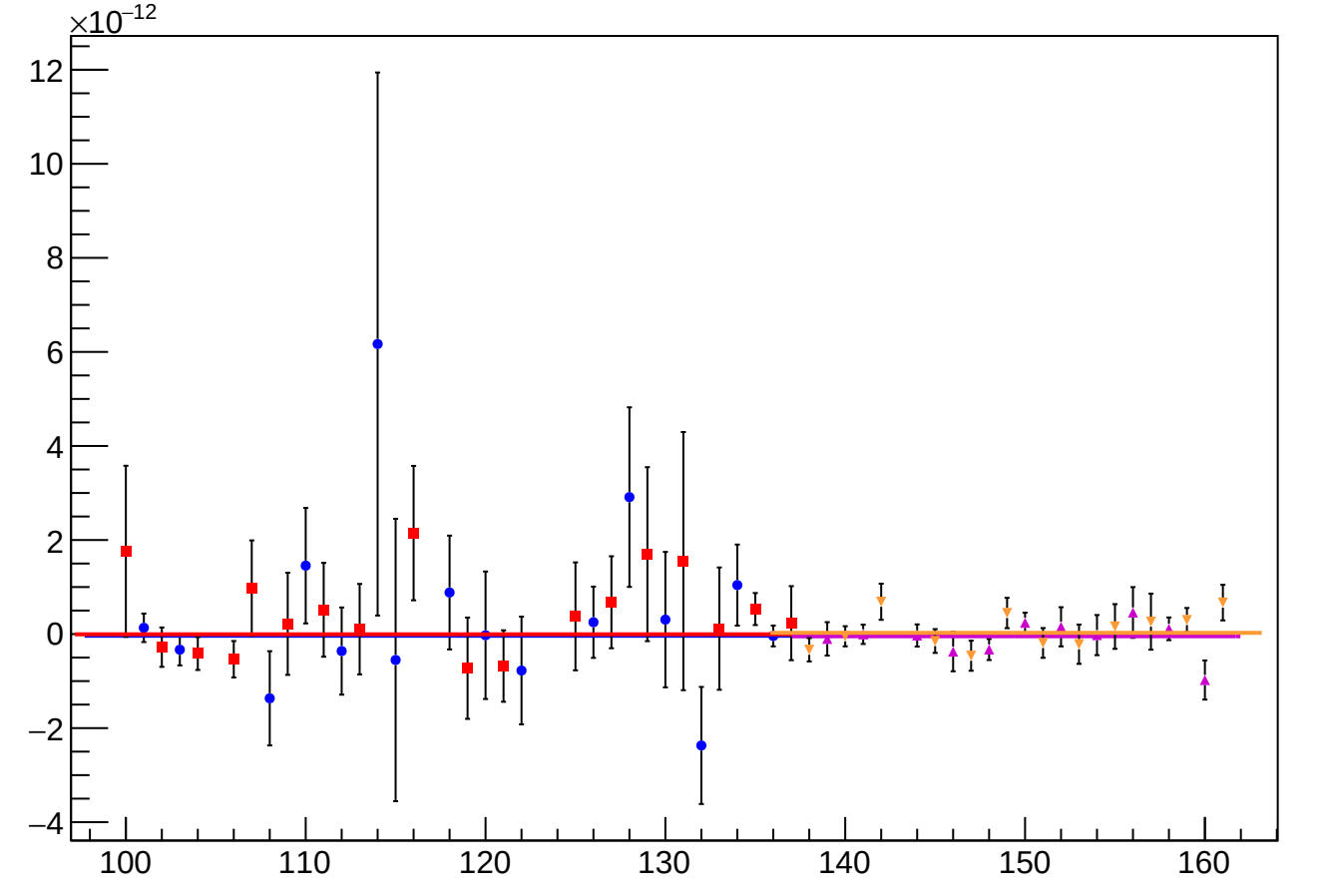
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10222.814+/-2.374 χ^2/NDF:470110.5/10

+ sign 9511.325+/-1.677 χ^2/NDF: 1075515.9/27

All: 9097.780+/-1.152 χ^2/NDF: 4032376.4/56

- sign 8728.457+/-1.585 χ^2/NDF: 2841747.2/28



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/11

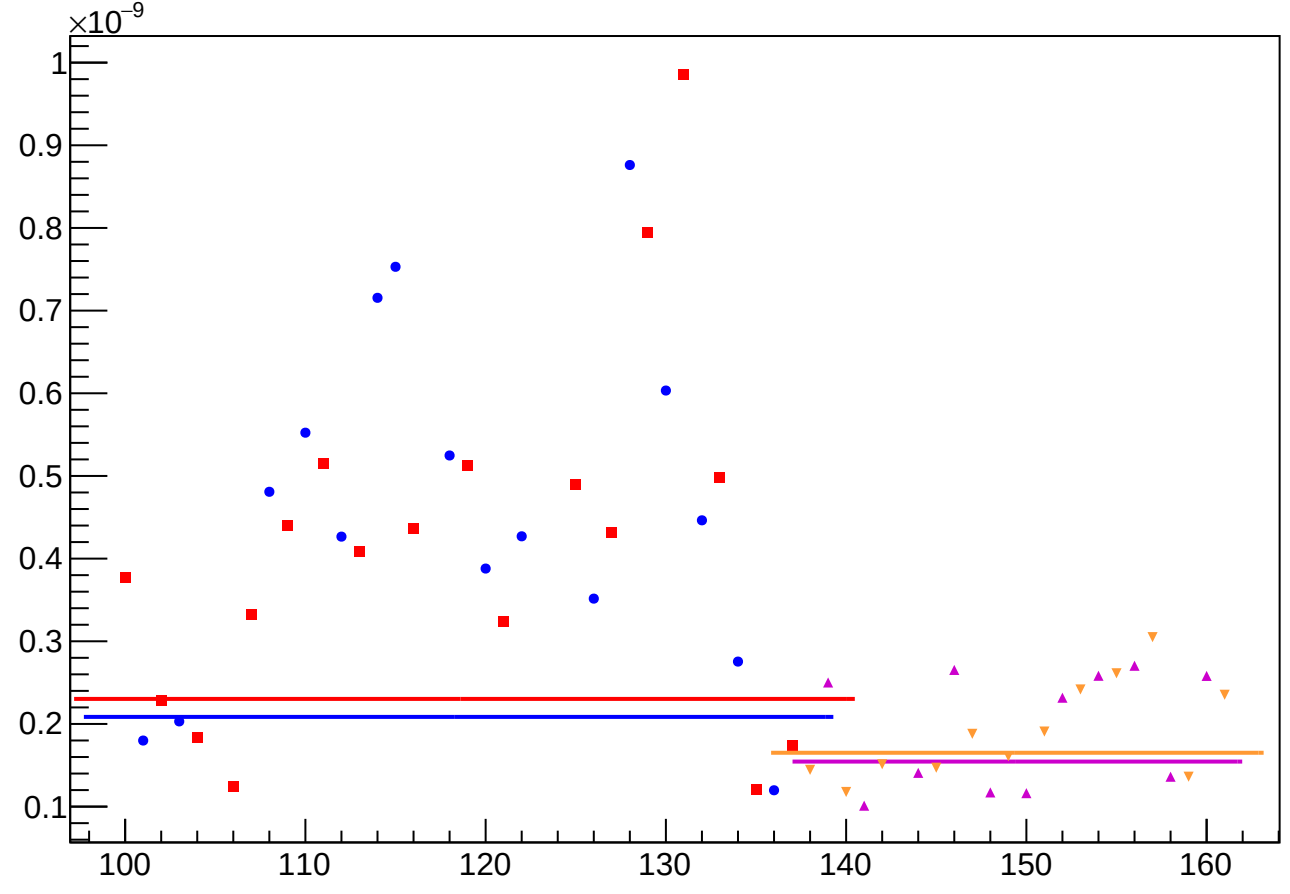
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:10.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/27

All: -0.000+/-0.000 χ^2/NDF: 53.7/56

- sign -0.000+/-0.000 χ^2/NDF: 24.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:502059.1/11

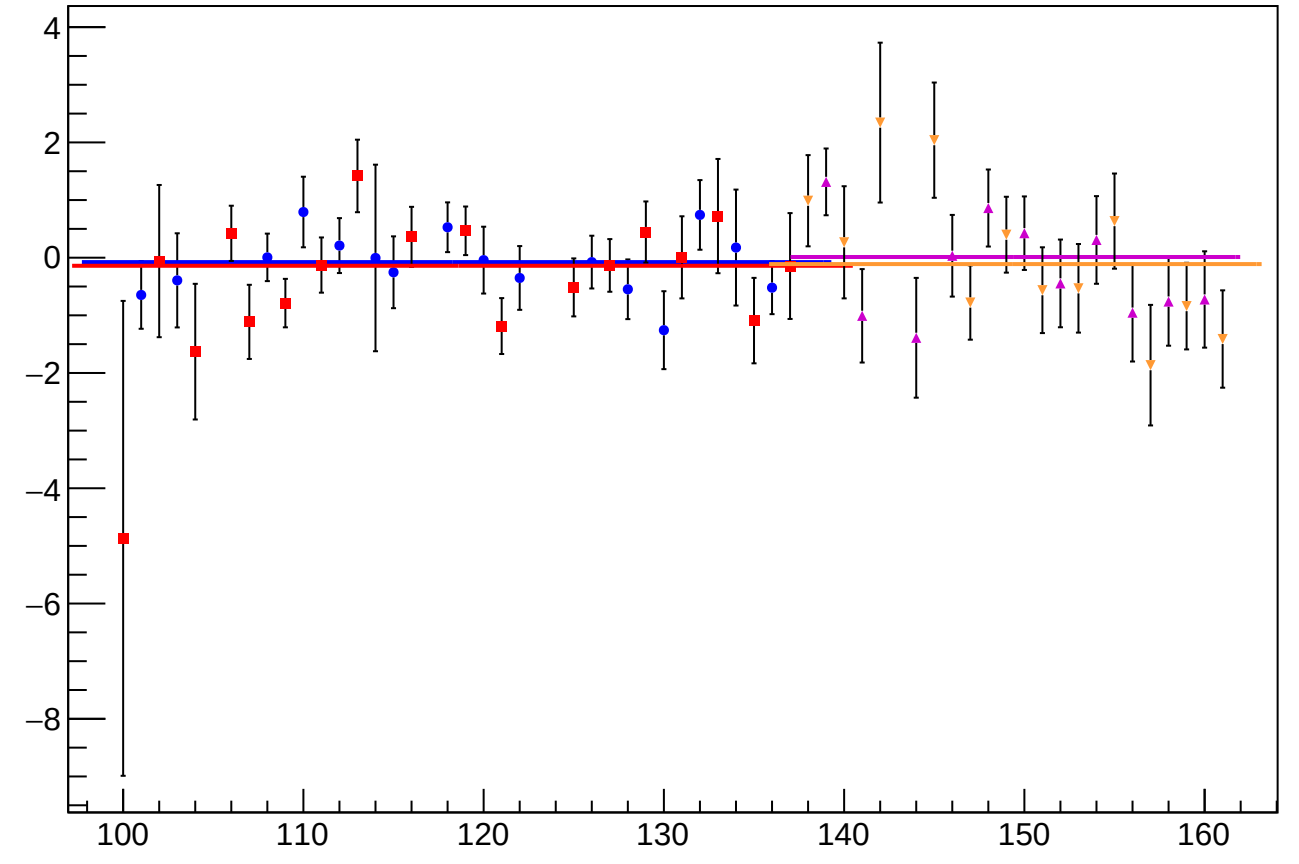
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:961007.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 2268361.5/27

All: 0.000+/-0.000 χ^2/NDF: 5156232.8/56

- sign 0.000+/-0.000 χ^2/NDF: 2882757.9/28



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.111+/-0.236 χ^2/NDF:19.1/11

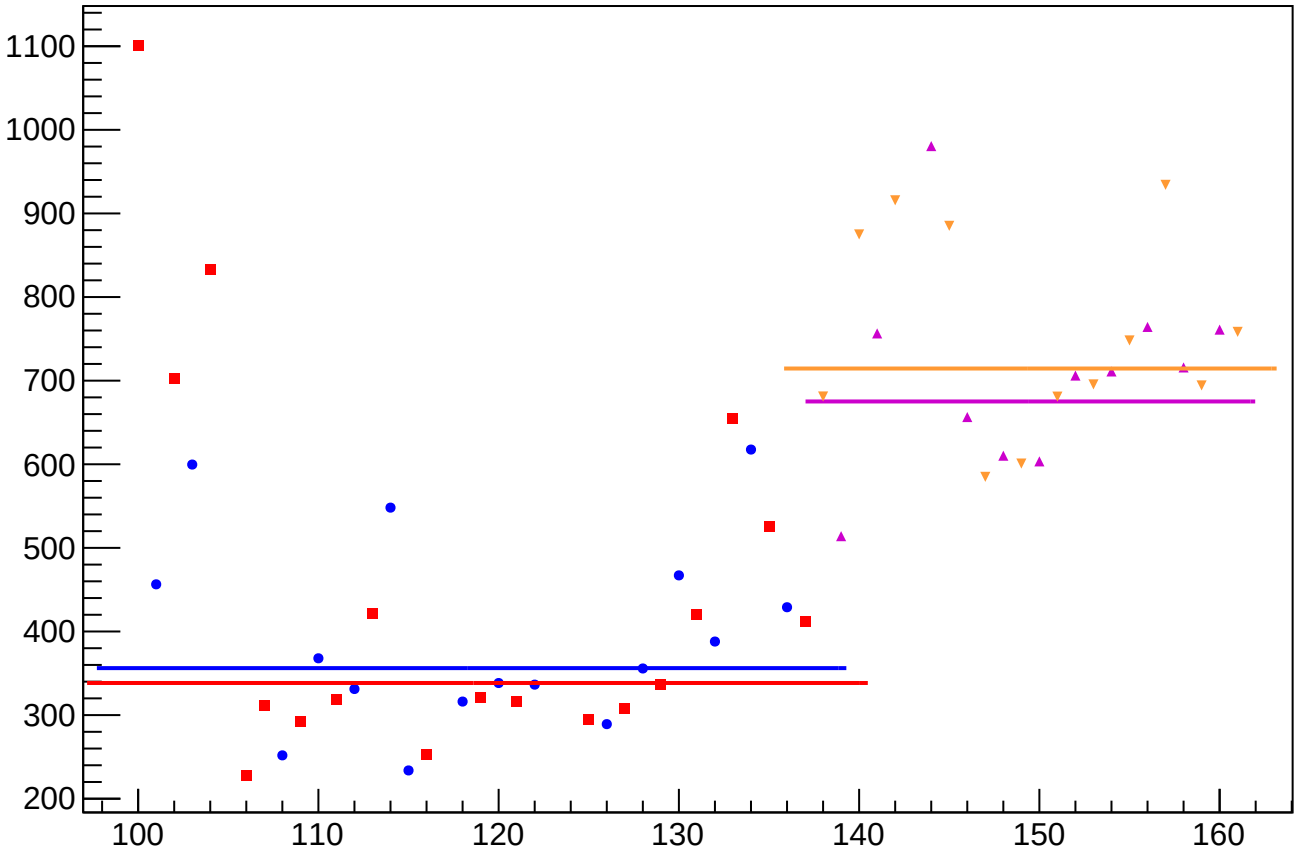
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.012+/-0.223 χ^2/NDF:14.1/10

+ sign -0.085+/-0.120 χ^2/NDF: 31.7/27

All: -0.092+/-0.084 χ^2/NDF: 73.1/56

- sign -0.098+/-0.117 χ^2/NDF: 41.4/28



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 714.523+/-0.167 χ^2/NDF:402501.7/11

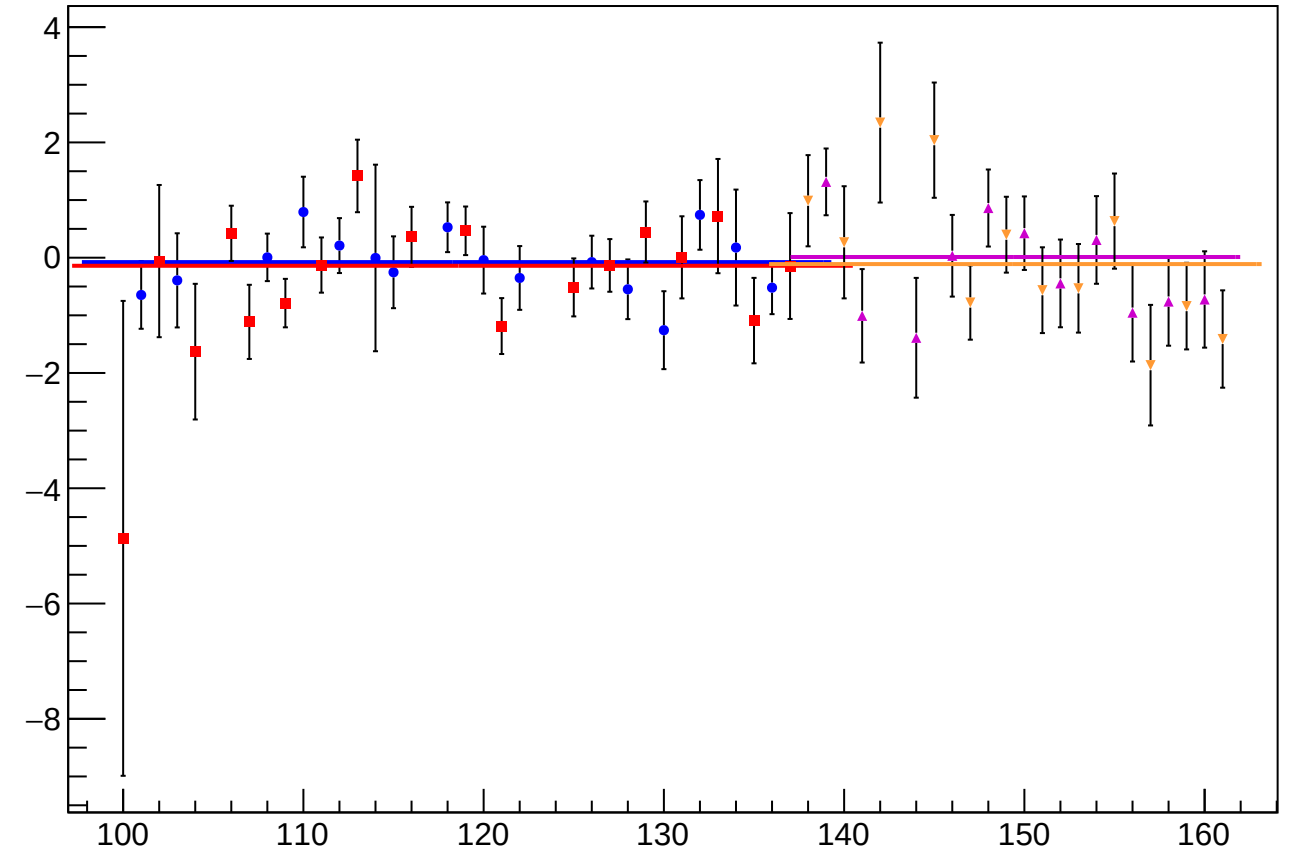
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 675.118+/-0.158 χ^2/NDF:449907.5/10

+ sign 449.329+/-0.085 χ^2/NDF: 4598043.8/27

All: 440.240+/-0.059 χ^2/NDF: 9570151.7/56

- sign 431.601+/-0.083 χ^2/NDF: 4949858.8/28



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.111+/-0.236 χ^2/NDF:19.1/11

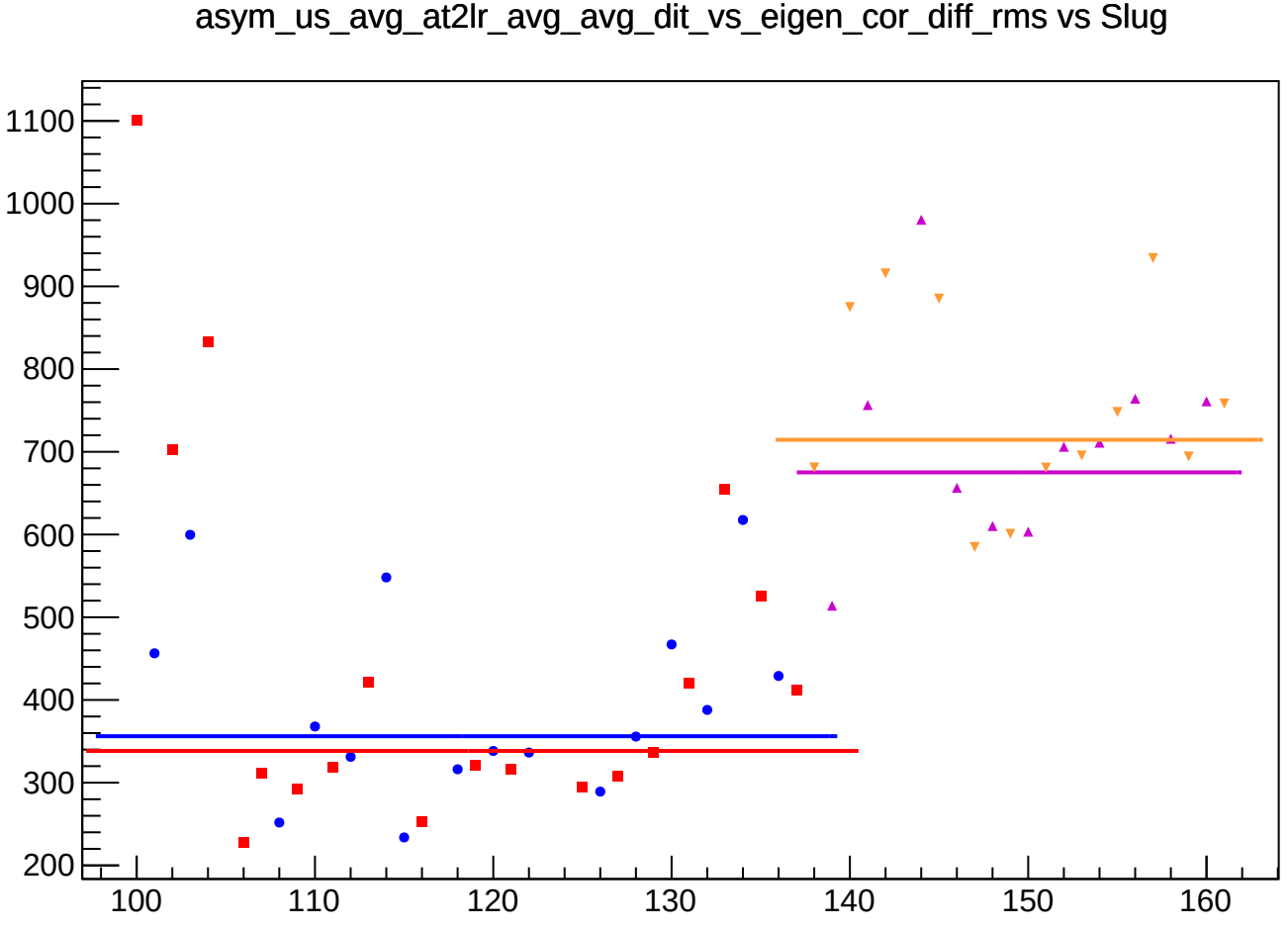
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.012+/-0.223 χ^2/NDF:14.1/10

+ sign -0.085+/-0.120 χ^2/NDF: 31.7/27

All: -0.092+/-0.084 χ^2/NDF: 73.1/56

- sign -0.098+/-0.117 χ^2/NDF: 41.4/28



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 714.523+/-0.167 χ^2/NDF:402501.7/11

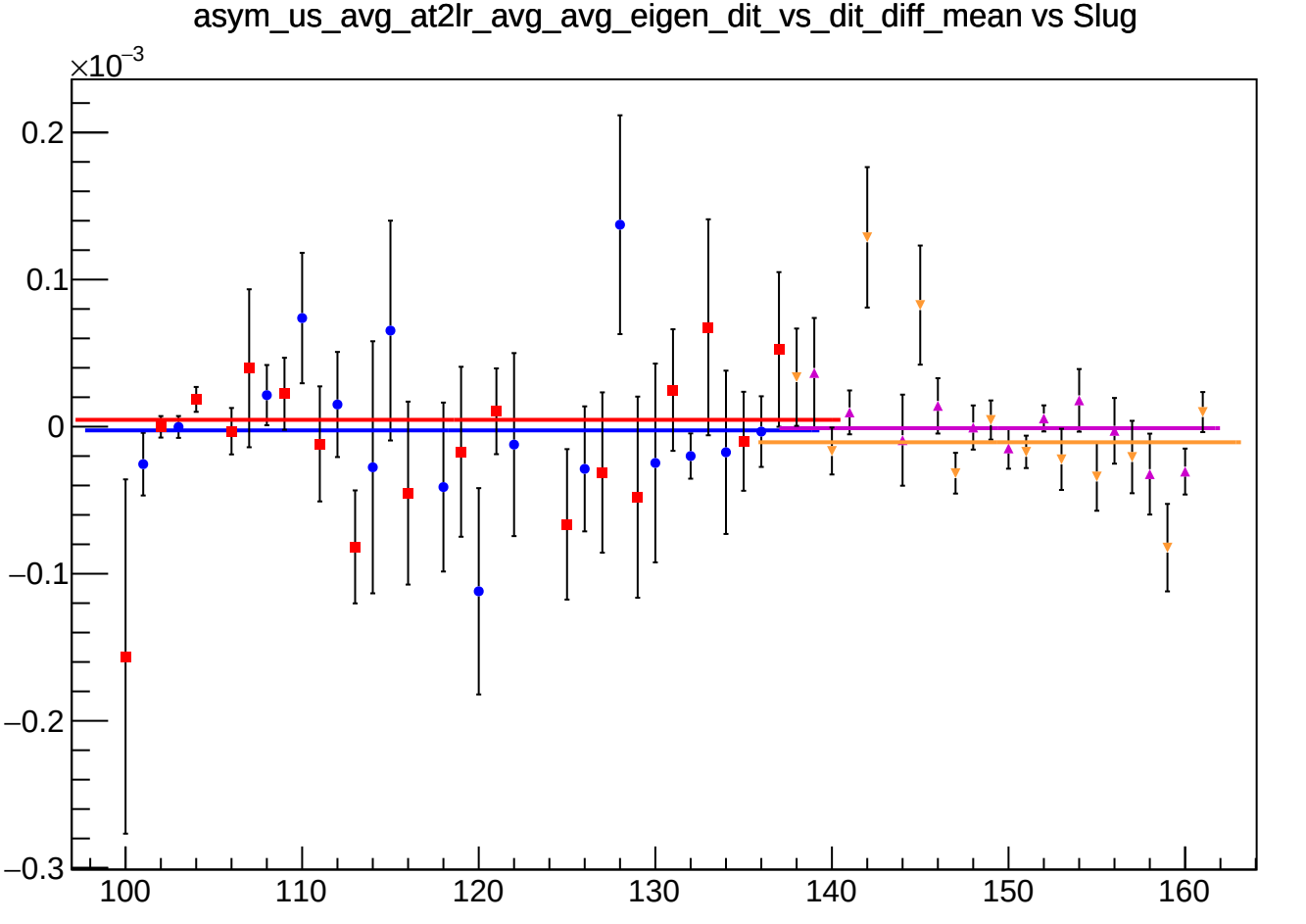
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 675.118+/-0.158 χ^2/NDF:449907.5/10

+ sign 449.329+/-0.085 χ^2/NDF: 4598043.8/27

All: 440.240+/-0.059 χ^2/NDF: 9570151.7/56

- sign 431.601+/-0.083 χ^2/NDF: 4949858.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.3/11

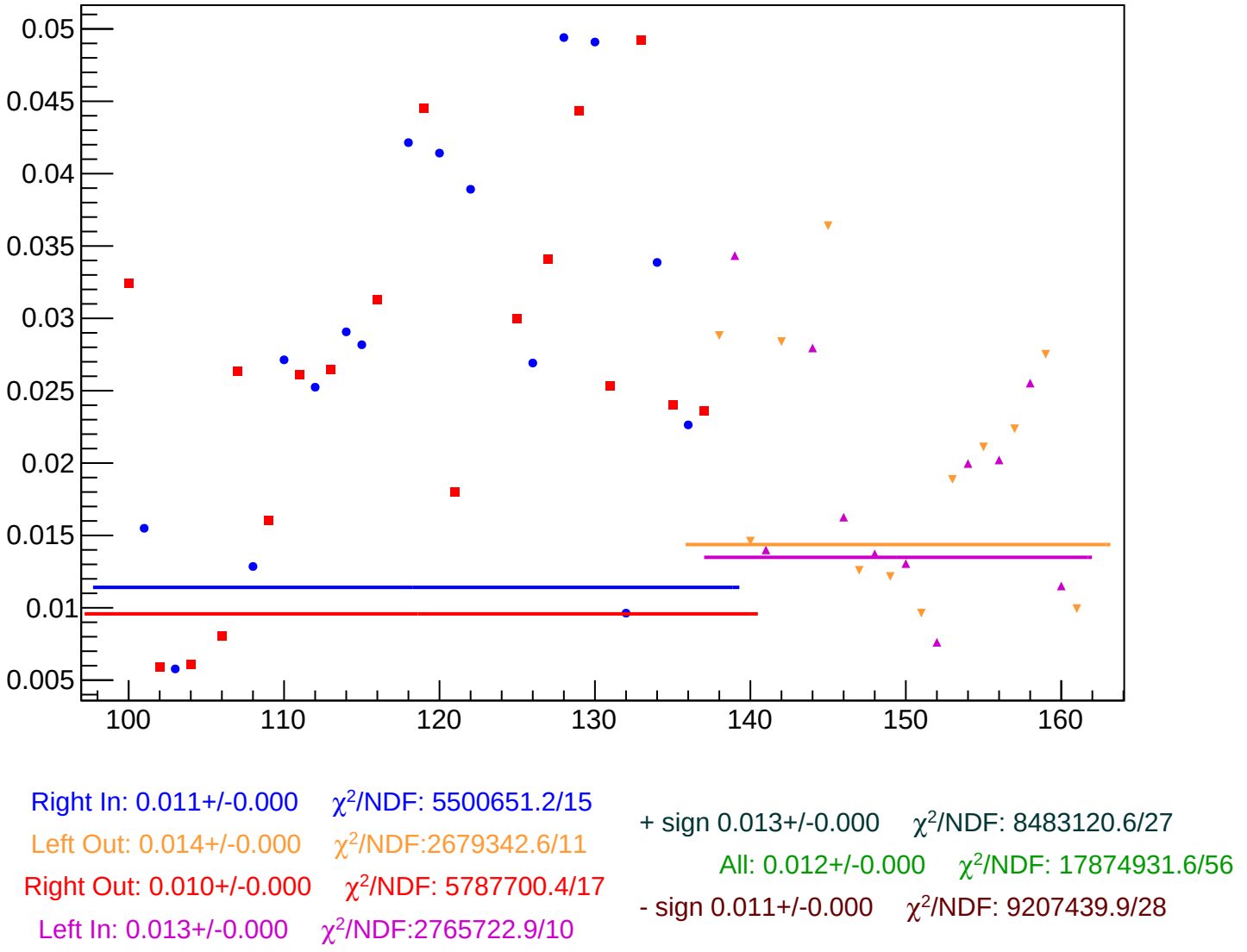
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

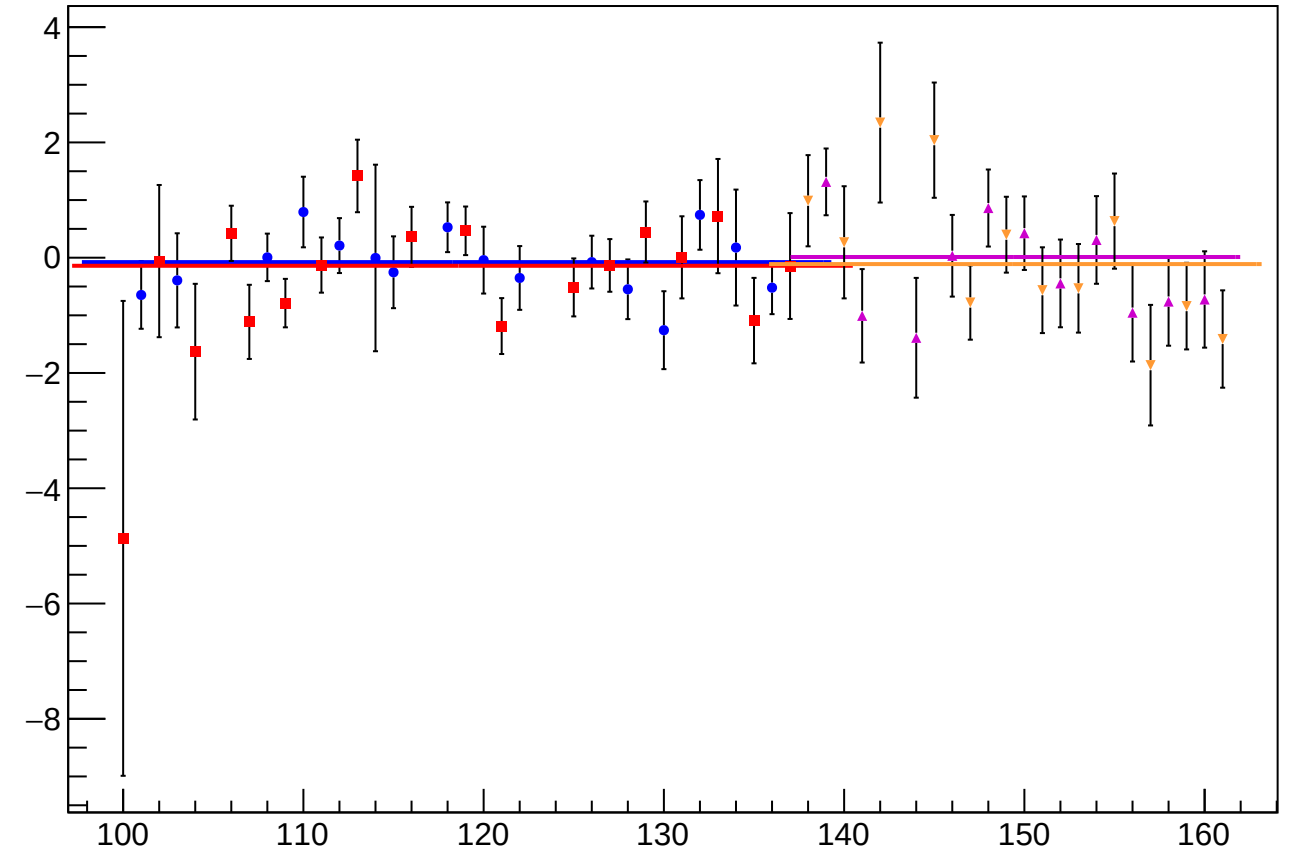
Left In: -0.000+/-0.000 χ^2/NDF:9.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 45.4/27

All: -0.000+/-0.000 χ^2/NDF: 75.6/56

- sign 0.000+/-0.000 χ^2/NDF: 27.2/28


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.011+/-0.000 χ²/NDF: 5500651.2/15
Left Out: 0.014+/-0.000 χ²/NDF:2679342.6/11
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.013+/-0.000 χ²/NDF:2765722.9/10
+ sign 0.013+/-0.000 χ²/NDF: 8483120.6/27
All: 0.012+/-0.000 χ²/NDF: 17874931.6/56
- sign 0.011+/-0.000 χ²/NDF: 9207439.9/28



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.111+/-0.236 χ^2/NDF:19.1/11

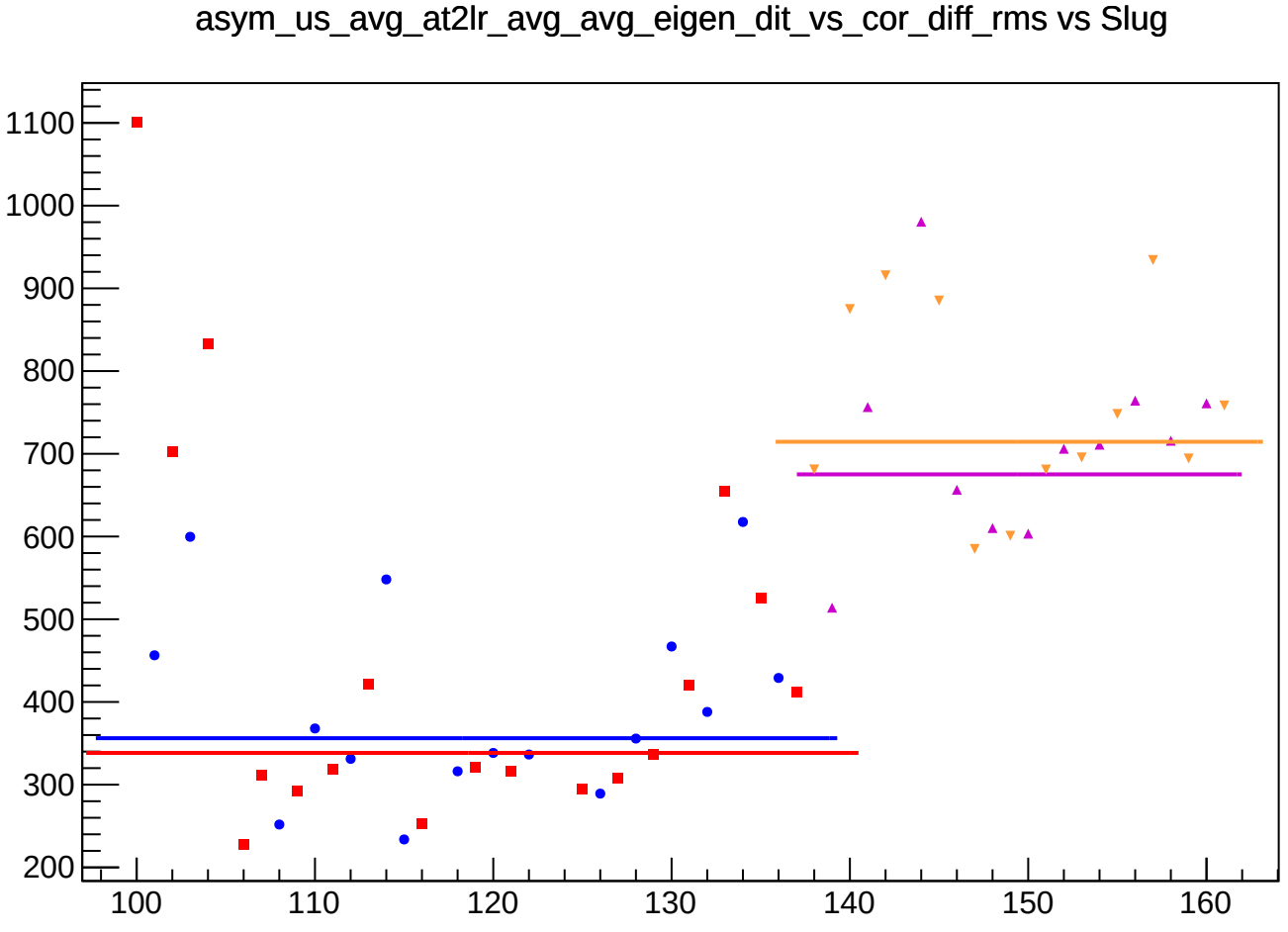
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.012+/-0.223 χ^2/NDF:14.1/10

+ sign -0.085+/-0.120 χ^2/NDF: 31.7/27

All: -0.092+/-0.084 χ^2/NDF: 73.1/56

- sign -0.098+/-0.117 χ^2/NDF: 41.4/28



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 714.532+/-0.167 χ^2/NDF:402512.3/11

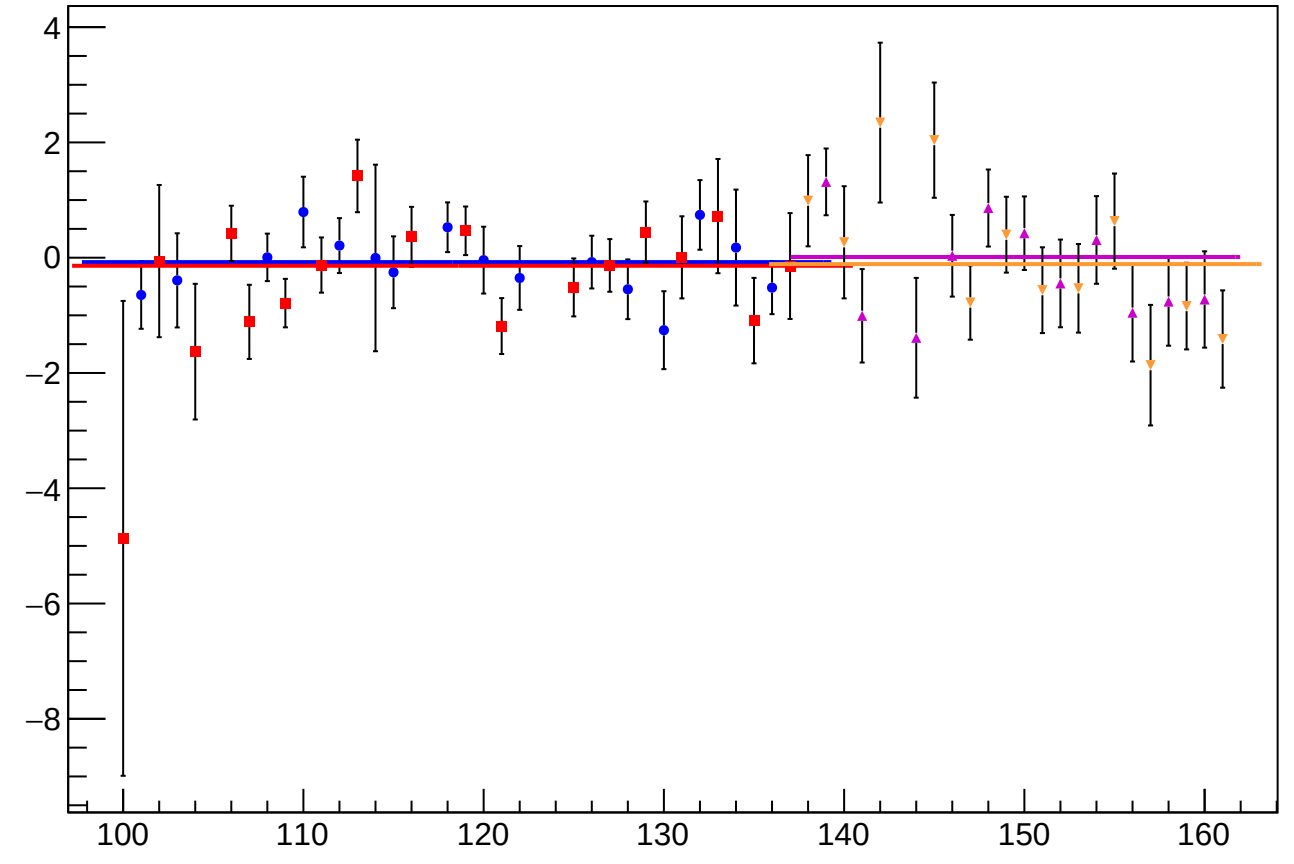
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 675.128+/-0.158 χ^2/NDF:449897.8/10

+ sign 449.328+/-0.085 χ^2/NDF: 4598168.8/27

All: 440.238+/-0.059 χ^2/NDF: 9570429.3/56

- sign 431.599+/-0.083 χ^2/NDF: 4950010.0/28



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.111+/-0.236 χ^2/NDF:19.1/11

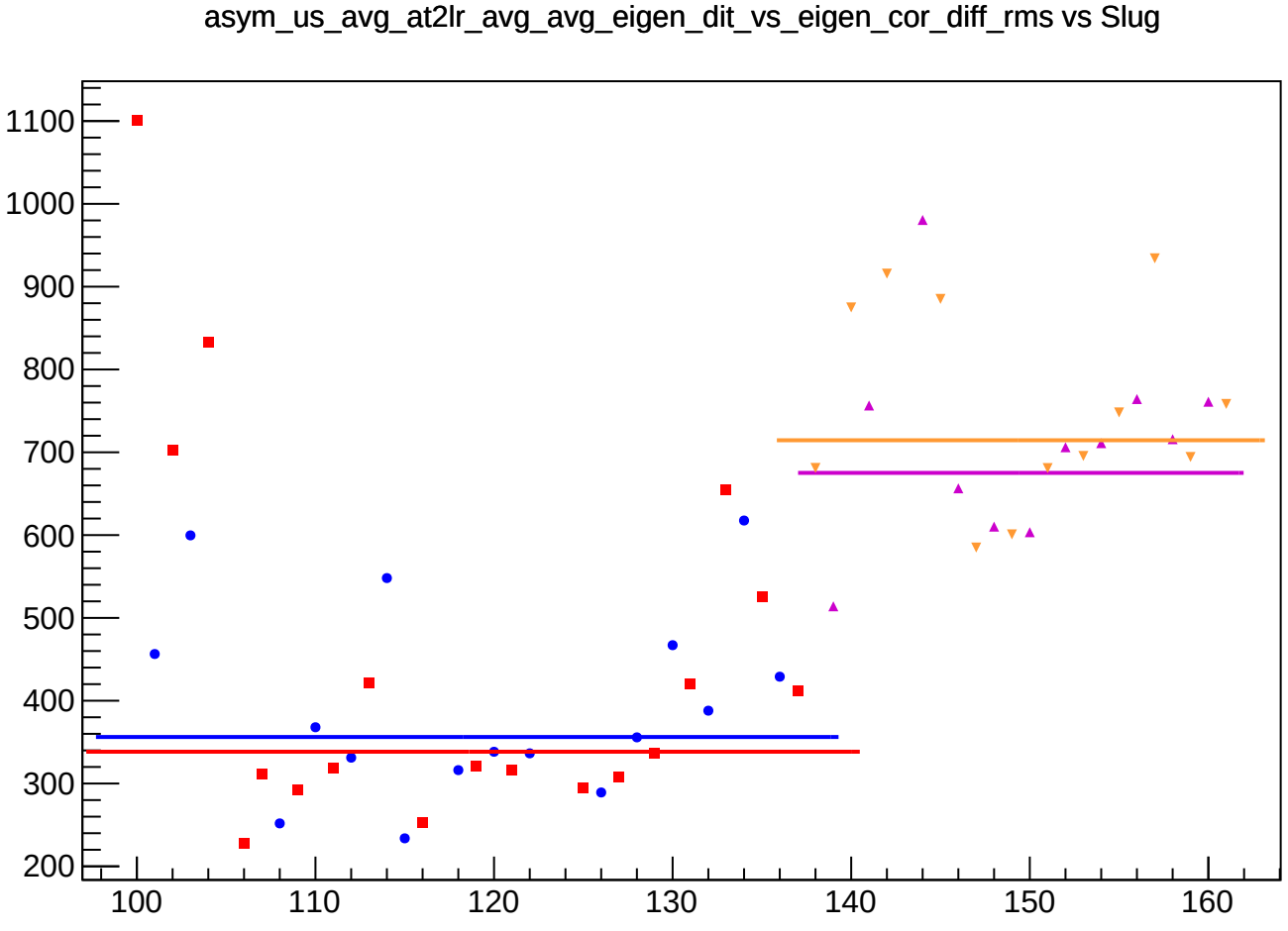
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.012+/-0.223 χ^2/NDF:14.1/10

+ sign -0.085+/-0.120 χ^2/NDF: 31.7/27

All: -0.092+/-0.084 χ^2/NDF: 73.1/56

- sign -0.098+/-0.117 χ^2/NDF: 41.4/28



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 714.532+/-0.167 χ^2/NDF:402512.3/11

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

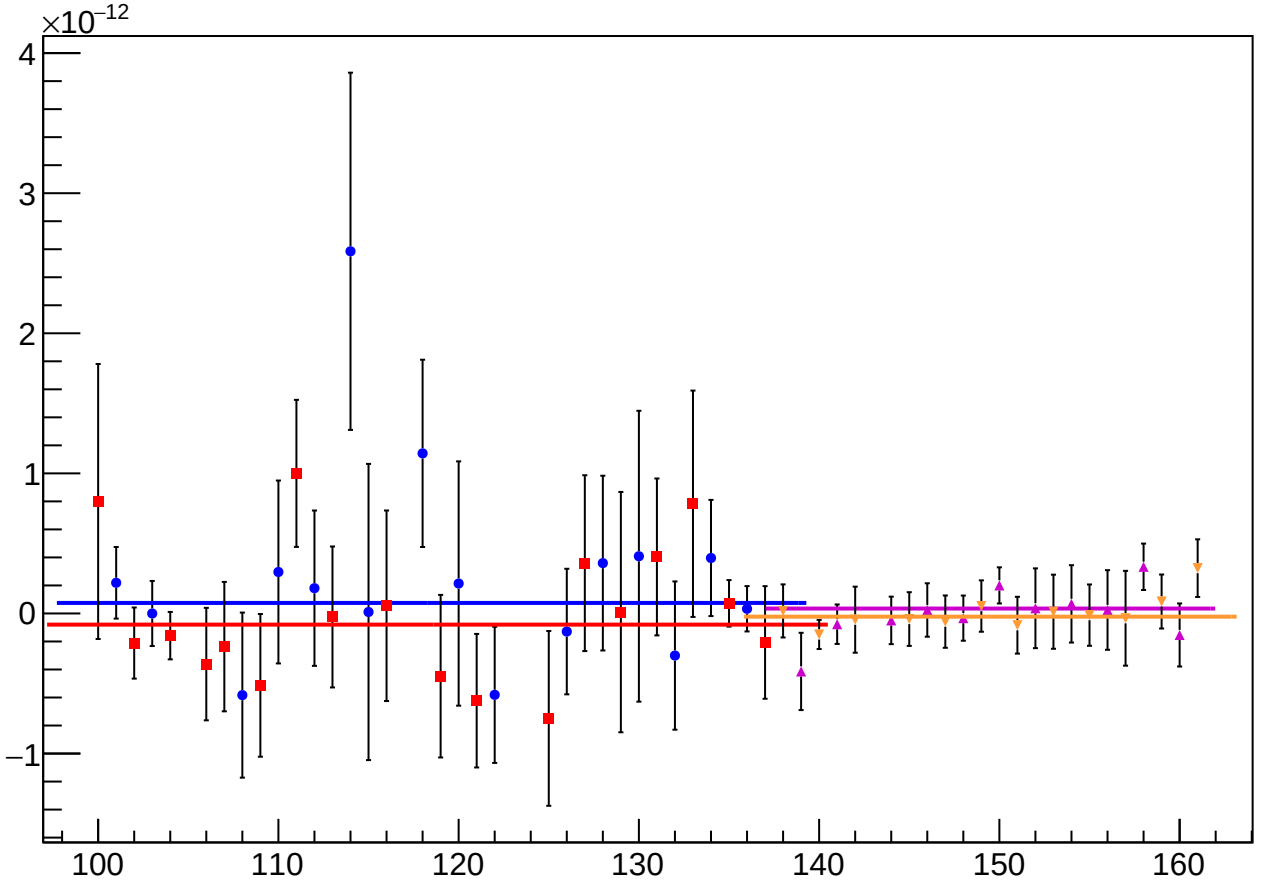
Left In: 675.128+/-0.158 χ^2/NDF:449897.8/10

+ sign 449.328+/-0.085 χ^2/NDF: 4598168.8/27

All: 440.238+/-0.059 χ^2/NDF: 9570429.3/56

- sign 431.599+/-0.083 χ^2/NDF: 4950010.0/28

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/11

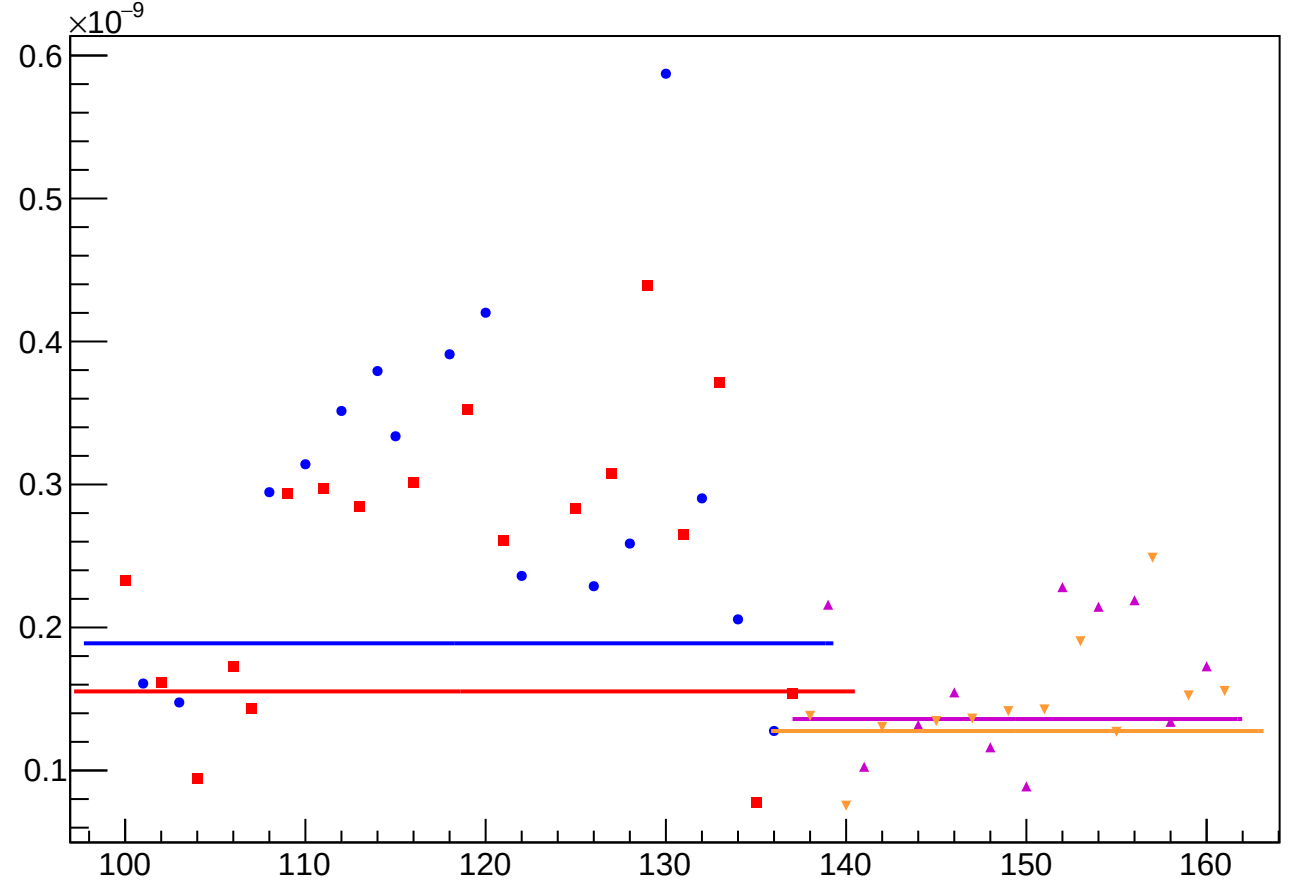
Right Out: -0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:9.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 17.6/27

All: 0.000+/-0.000 χ^2/NDF: 41.2/56

- sign 0.000+/-0.000 χ^2/NDF: 23.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:980771.4/11

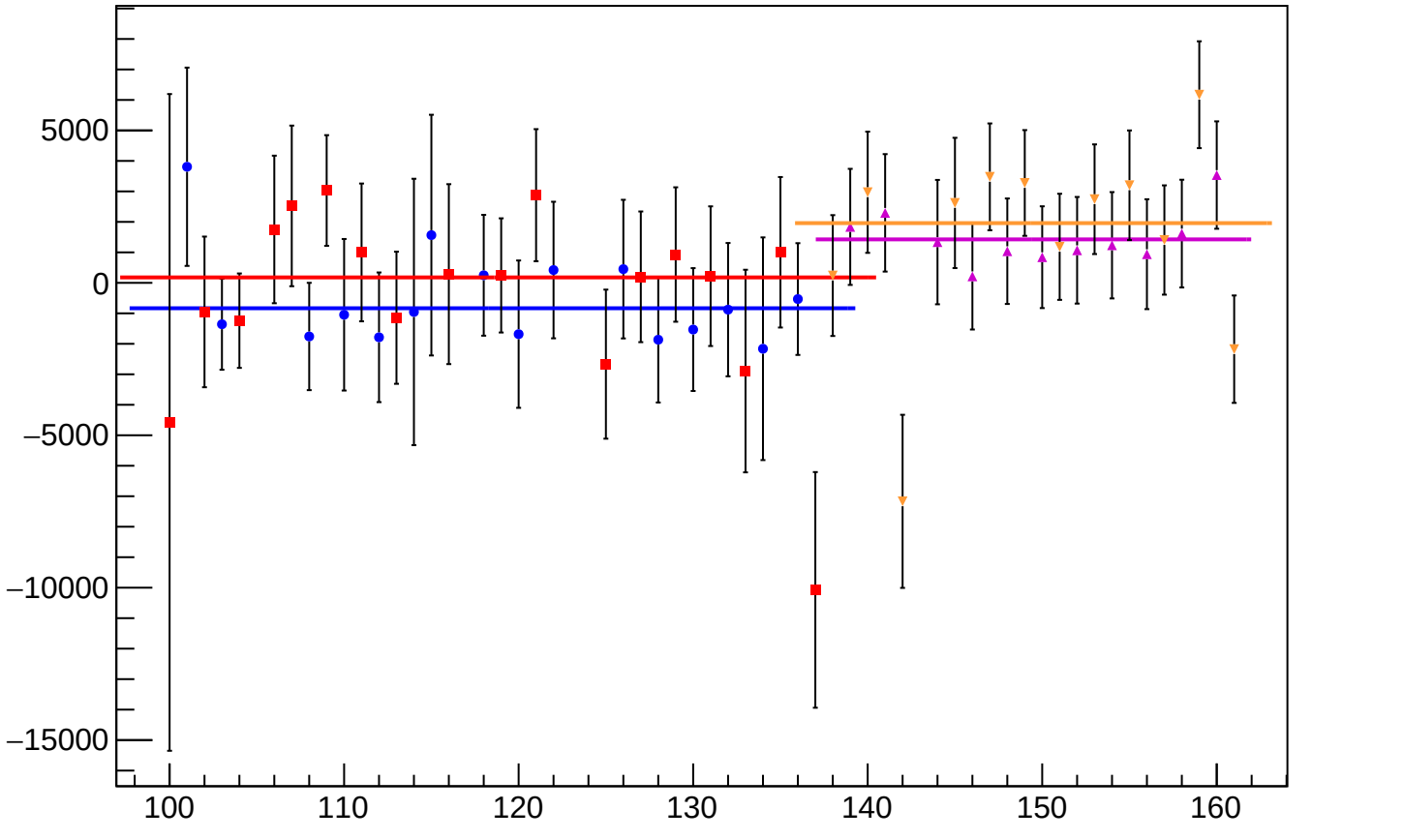
Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1193822.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 3117572.3/27

All: 0.000+/-0.000 χ^2/NDF: 6583496.8/56

- sign 0.000+/-0.000 χ^2/NDF: 3465827.7/28



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1959.565+/-541.041 χ^2/NDF:25.0/11

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

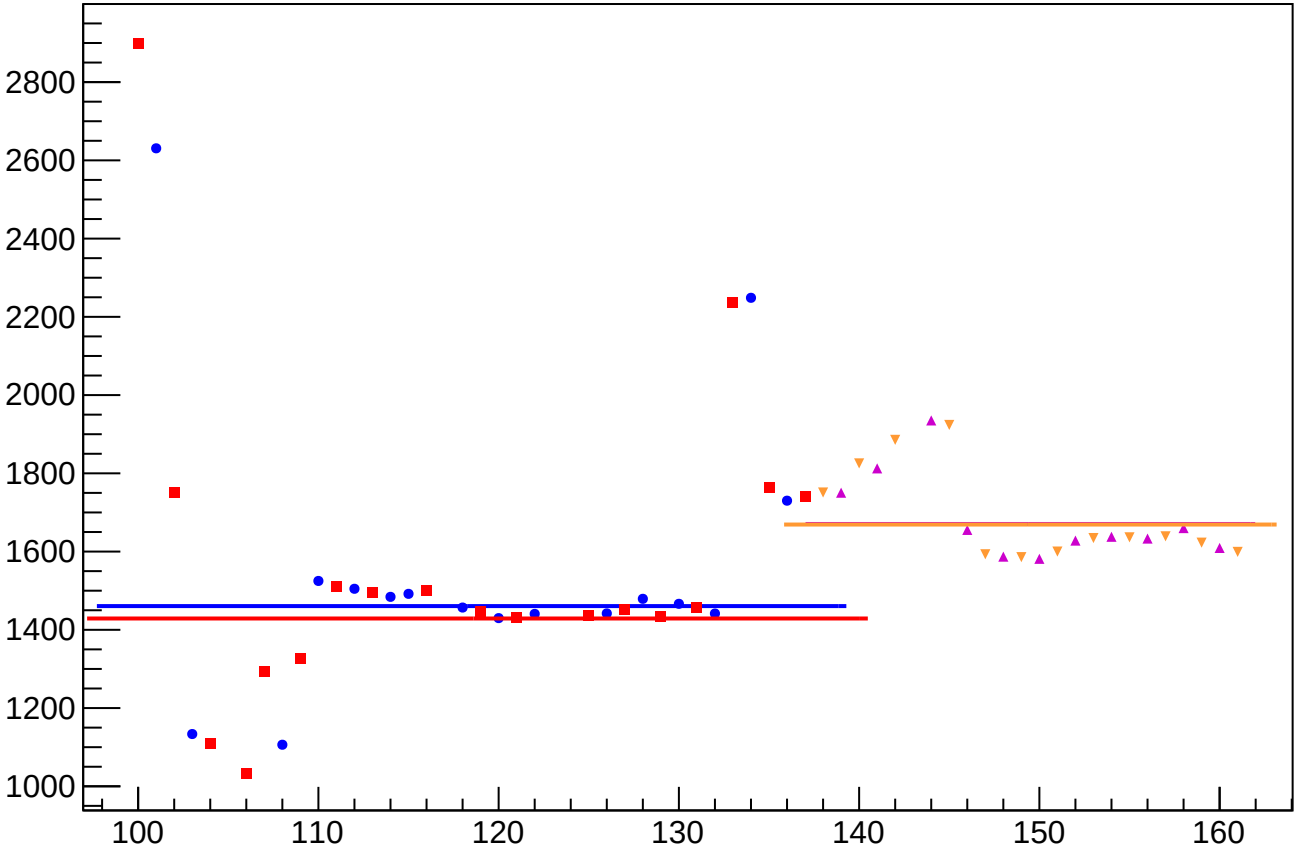
Left In: 1425.513+/-541.276 χ^2/NDF:2.5/10

+ sign 598.189+/-387.358 χ^2/NDF: 42.6/27

All: 704.430+/-273.078 χ^2/NDF: 64.3/56

- sign 809.401+/-385.034 χ^2/NDF: 21.6/28

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1669.100+/-0.383 χ^2/NDF:73824.2/11

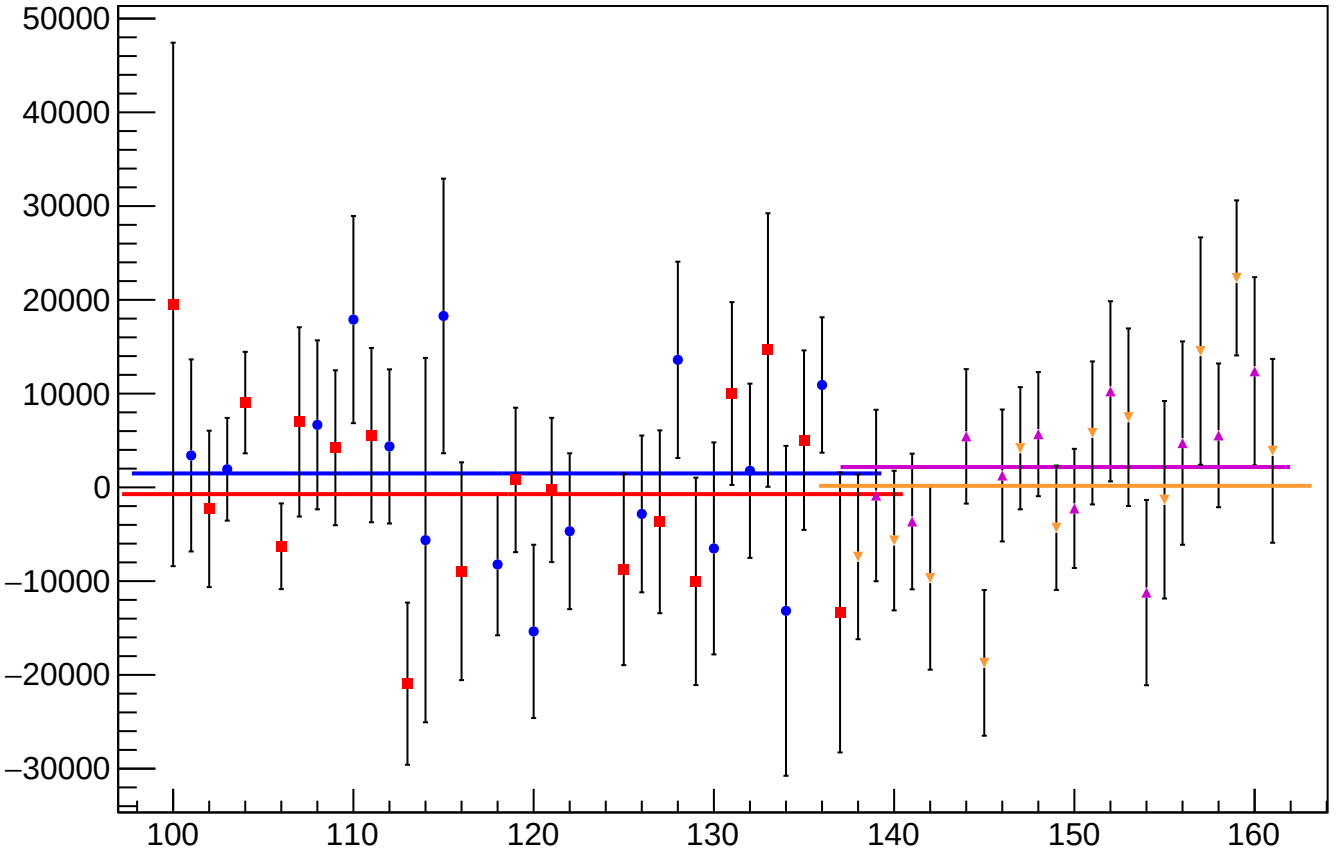
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1670.537+/-0.383 χ^2/NDF:63805.0/10

+ sign 1567.499+/-0.274 χ^2/NDF: 794256.9/27

All: 1558.814+/-0.193 χ^2/NDF: 1469634.7/56

- sign 1550.296+/-0.271 χ^2/NDF: 673386.2/28



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 163.208+/-2400.841 χ^2/NDF:19.0/11

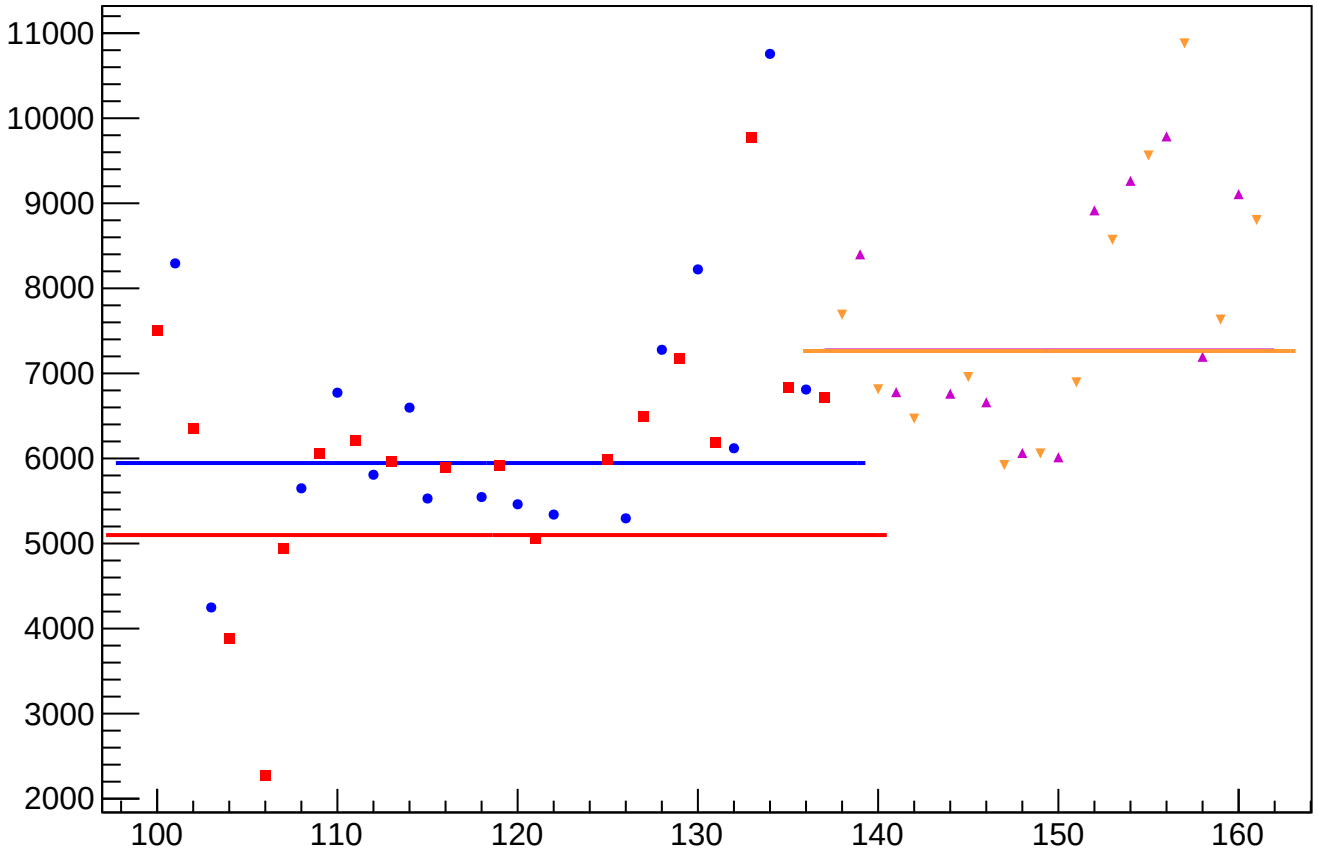
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 2167.953+/-2391.817 χ^2/NDF:5.6/10

+ sign 862.962+/-1648.692 χ^2/NDF: 33.4/27

All: 656.420+/-1125.210 χ^2/NDF: 57.3/56

- sign 476.333+/-1539.489 χ^2/NDF: 23.9/28



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7263.356+/-1.698 χ^2/NDF:548305.9/11

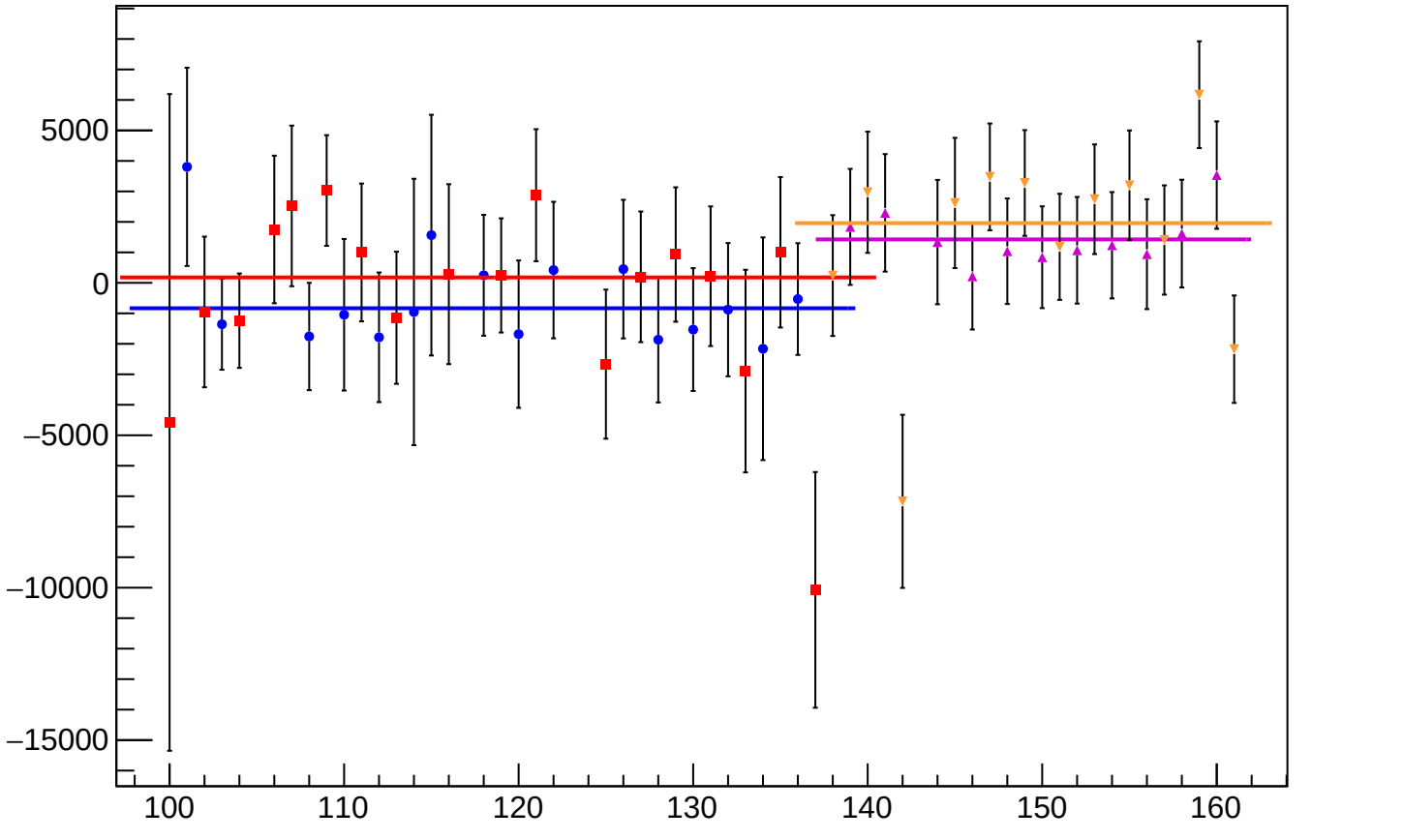
Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7269.974+/-1.691 χ^2/NDF:524365.1/10

+ sign 6567.276+/-1.166 χ^2/NDF: 1507592.6/27

All: 6263.492+/-0.796 χ^2/NDF: 4604196.0/56

- sign 5998.617+/-1.089 χ^2/NDF: 2969496.5/28



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1959.609+/-541.041 χ^2/NDF:25.0/11

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

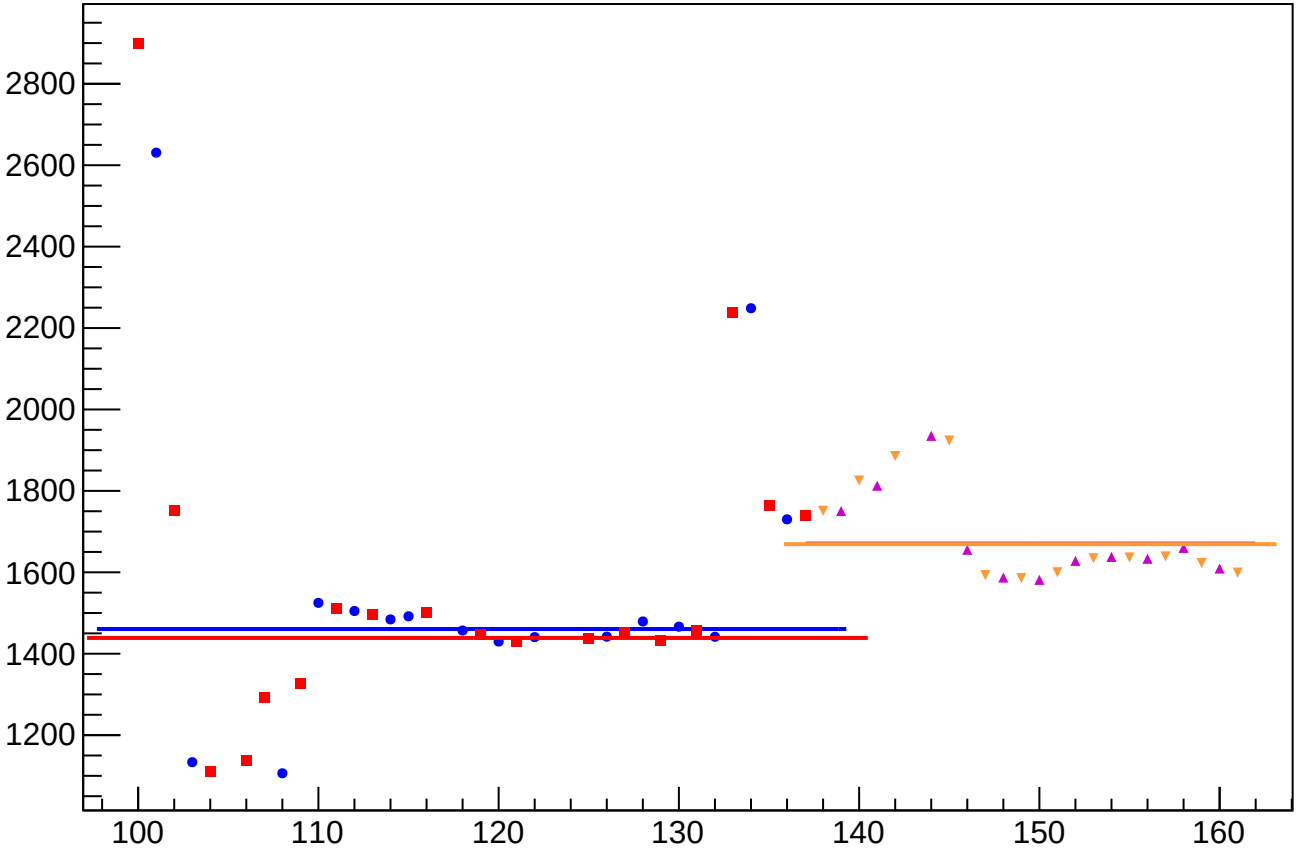
Left In: 1425.542+/-541.276 χ^2/NDF:2.5/10

\+ sign 598.181+/-387.358 χ^2/NDF: 42.6/27

All: 704.394+/-273.078 χ^2/NDF: 64.3/56

\- sign 809.336+/-385.034 χ^2/NDF: 21.6/28

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1669.100+/-0.383 χ^2/NDF:73824.2/11

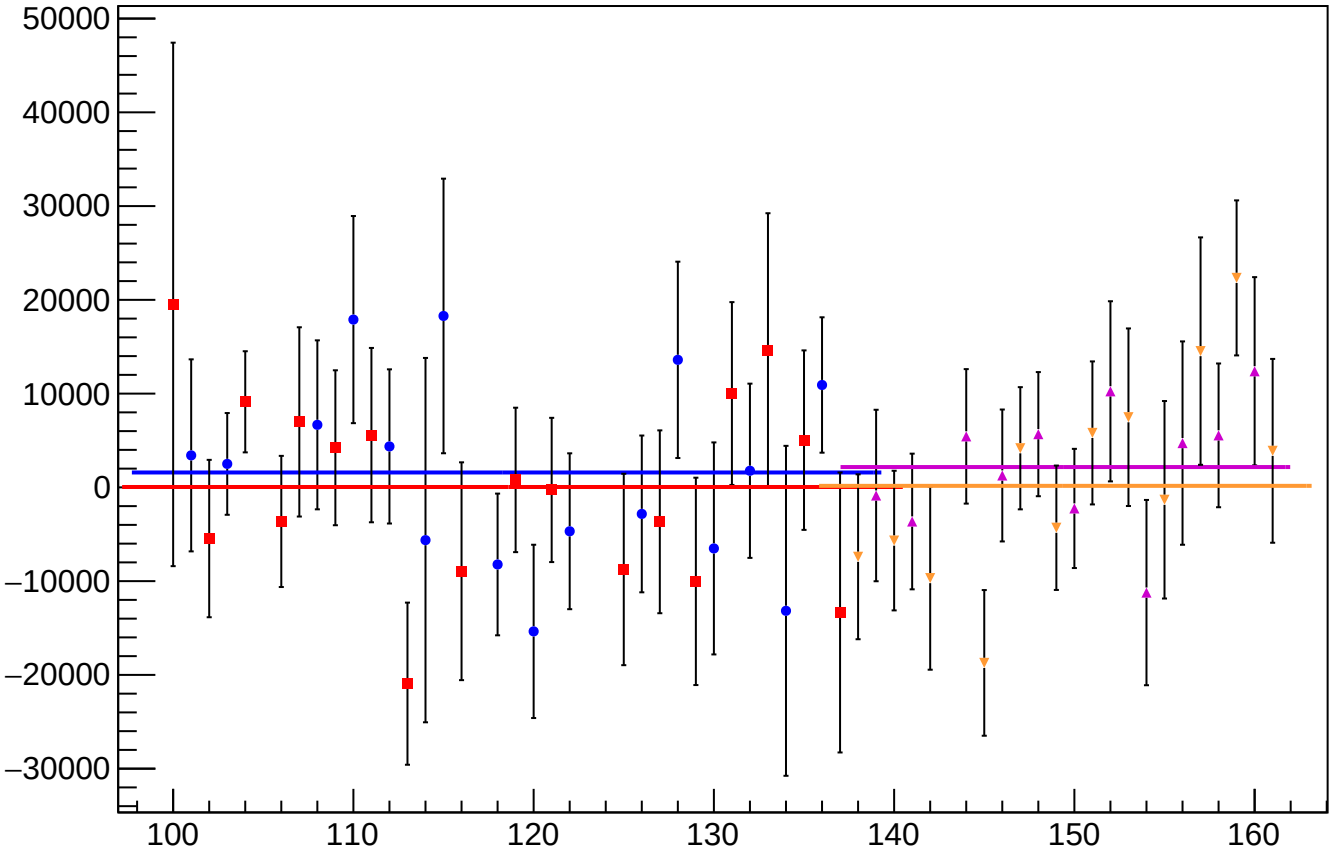
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1670.537+/-0.383 χ^2/NDF:63805.0/10

+ sign 1567.499+/-0.274 χ^2/NDF: 794257.3/27

All: 1561.597+/-0.193 χ^2/NDF: 1413927.8/56

- sign 1555.778+/-0.272 χ^2/NDF: 618748.4/28



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 163.213+/-2400.839 χ^2/NDF:19.0/11

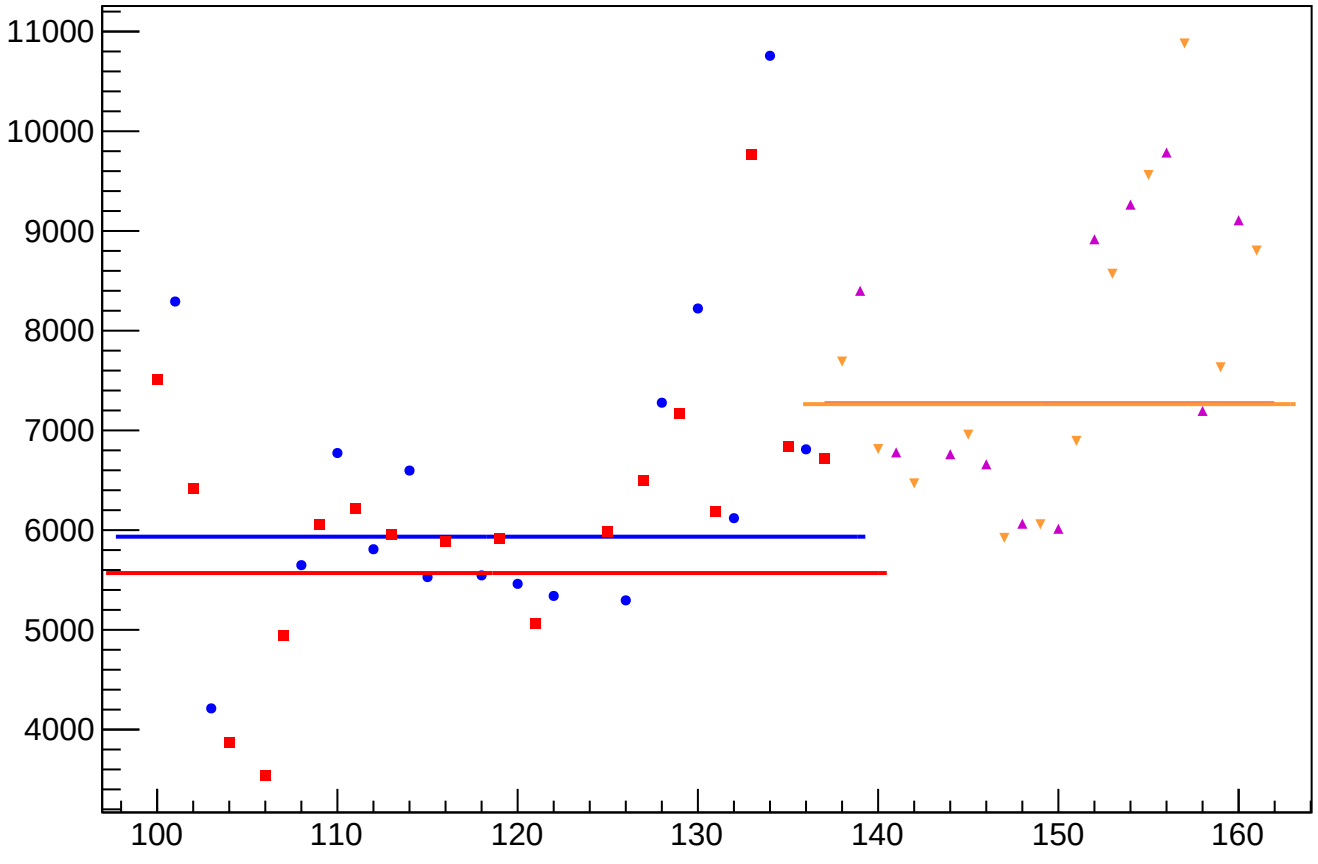
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 2168.025+/-2391.815 χ^2/NDF:5.6/10

+ sign 917.630+/-1647.242 χ^2/NDF: 33.4/27

All: 951.465+/-1144.725 χ^2/NDF: 55.9/56

- sign 983.065+/-1591.944 χ^2/NDF: 22.5/28



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7263.351+/-1.698 χ^2/NDF:548304.3/11

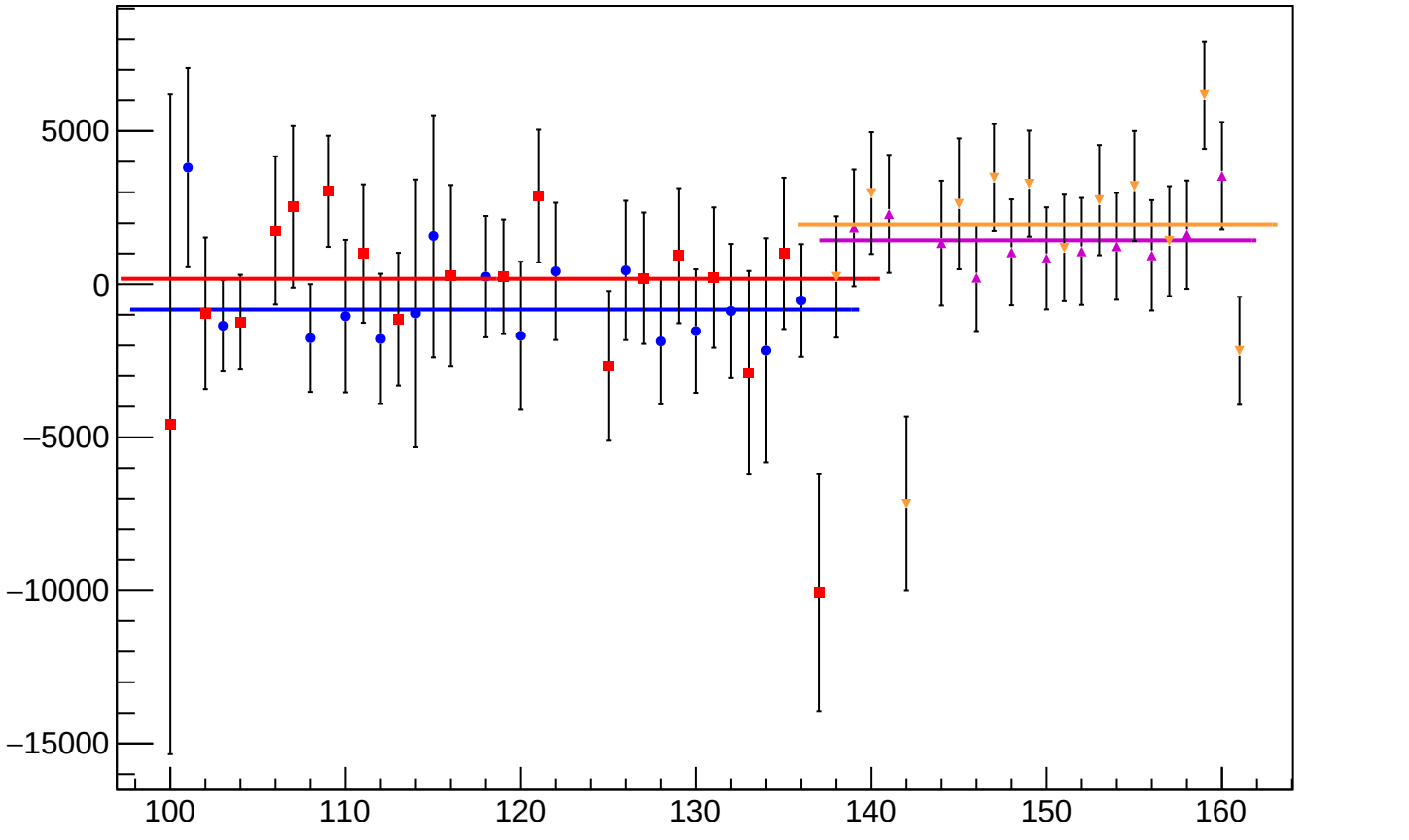
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7269.969+/-1.691 χ^2/NDF:524367.6/10

+ sign 6559.900+/-1.165 χ^2/NDF: 1525808.0/27

All: 6437.335+/-0.809 χ^2/NDF: 3358648.4/56

- sign 6322.861+/-1.126 χ^2/NDF: 1811426.1/28



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1959.609+/-541.041 χ^2/NDF:25.0/11

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

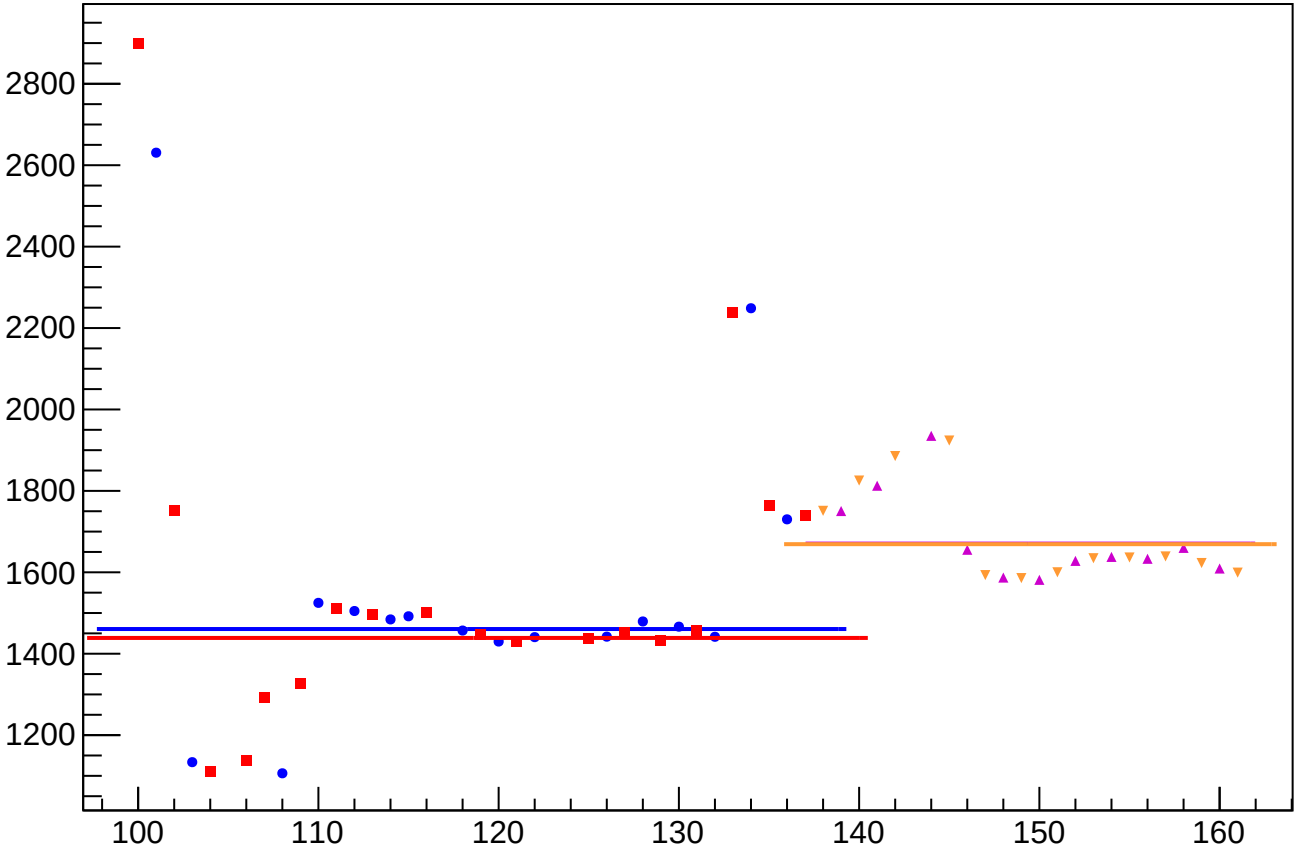
Left In: 1425.542+/-541.276 χ^2/NDF:2.5/10

+ sign 598.181+/-387.358 χ^2/NDF: 42.6/27

All: 704.394+/-273.078 χ^2/NDF: 64.3/56

- sign 809.336+/-385.034 χ^2/NDF: 21.6/28

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: 1669.100+/-0.383 χ^2/NDF:73824.2/11

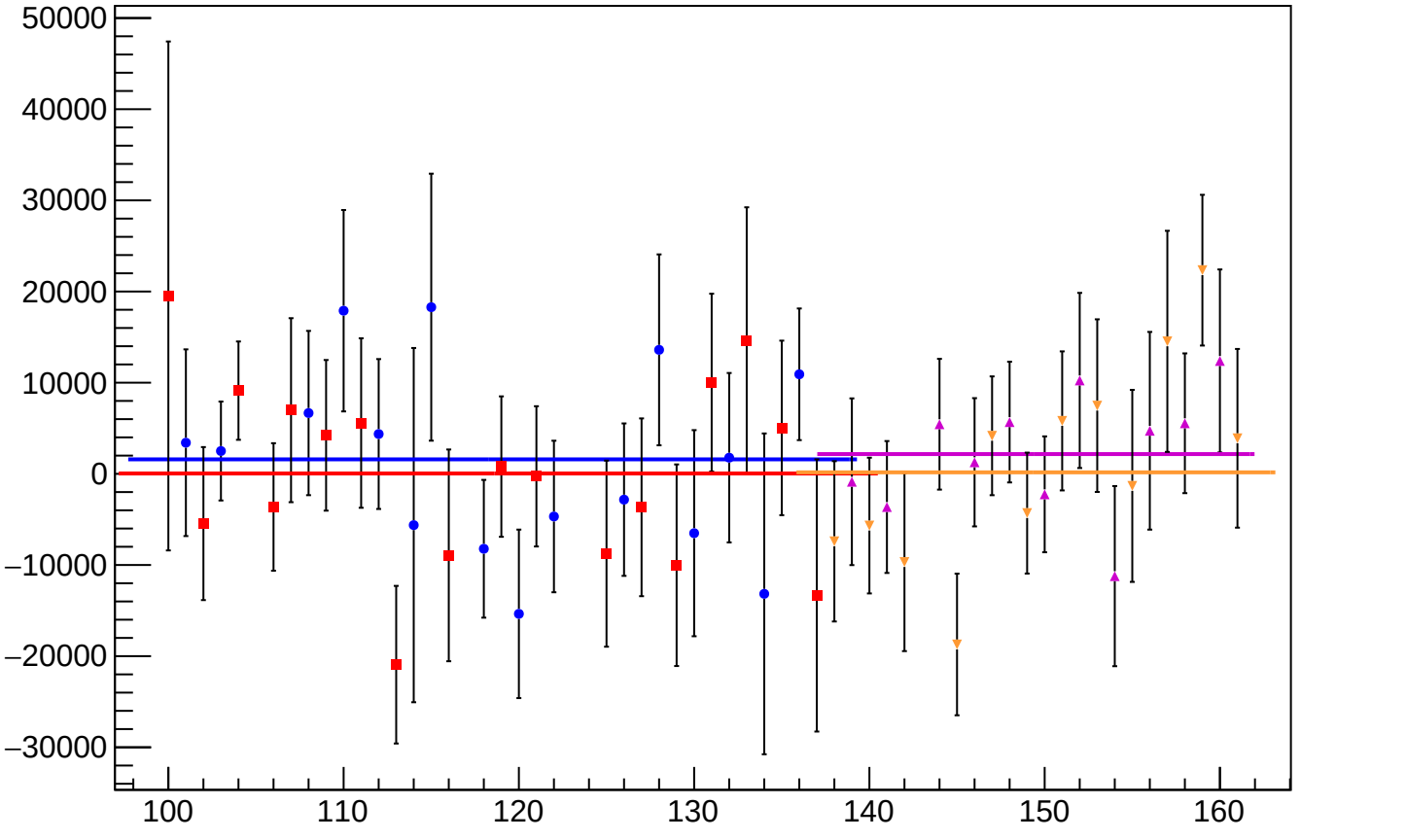
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1670.537+/-0.383 χ^2/NDF:63805.0/10

+ sign 1567.499+/-0.274 χ^2/NDF: 794257.3/27

All: 1561.597+/-0.193 χ^2/NDF: 1413927.8/56

- sign 1555.778+/-0.272 χ^2/NDF: 618748.4/28



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 163.213+/-2400.839 χ^2/NDF:19.0/11

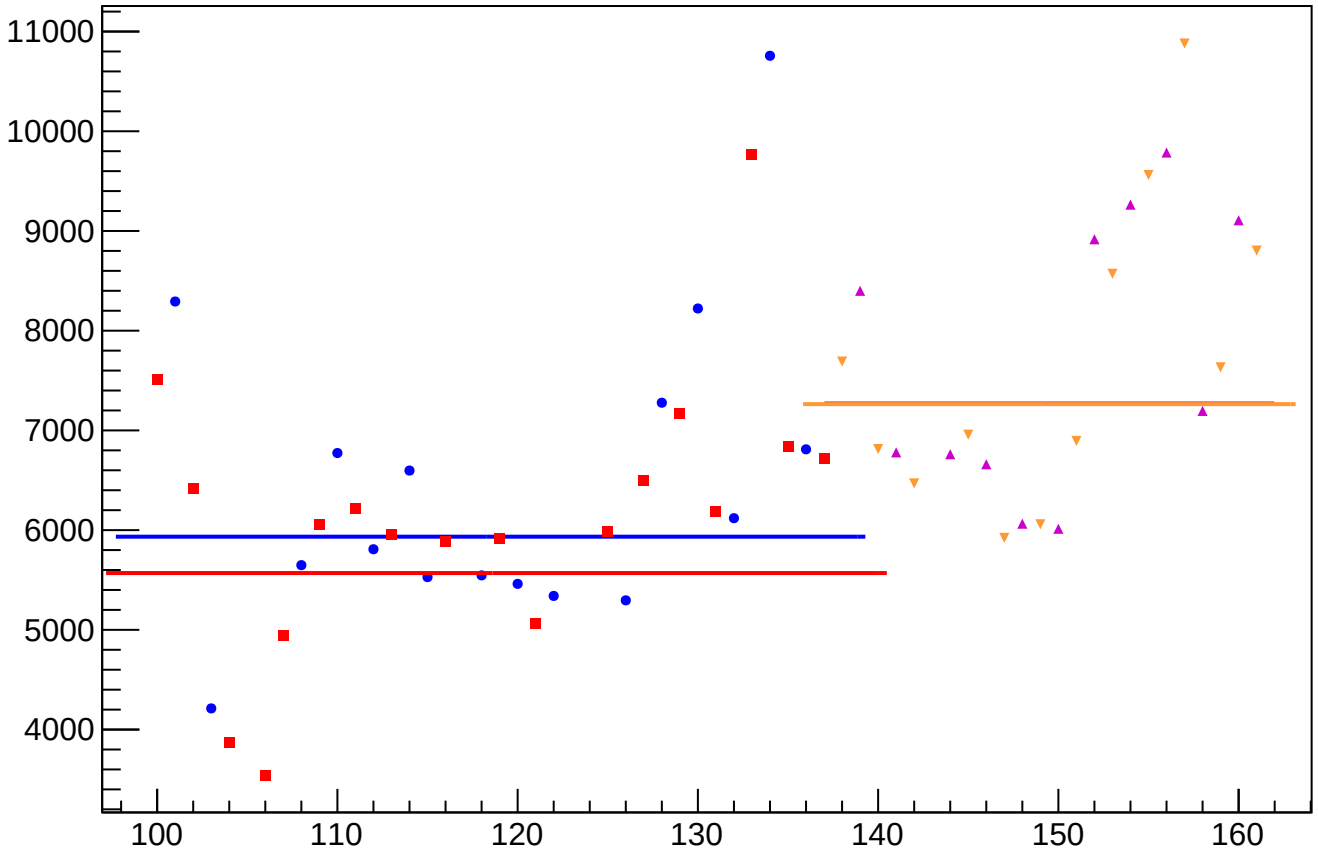
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 2168.025+/-2391.815 χ^2/NDF:5.6/10

+ sign 917.630+/-1647.242 χ^2/NDF: 33.4/27

All: 951.465+/-1144.725 χ^2/NDF: 55.9/56

- sign 983.065+/-1591.944 χ^2/NDF: 22.5/28



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7263.351+/-1.698 χ^2/NDF:548304.3/11

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

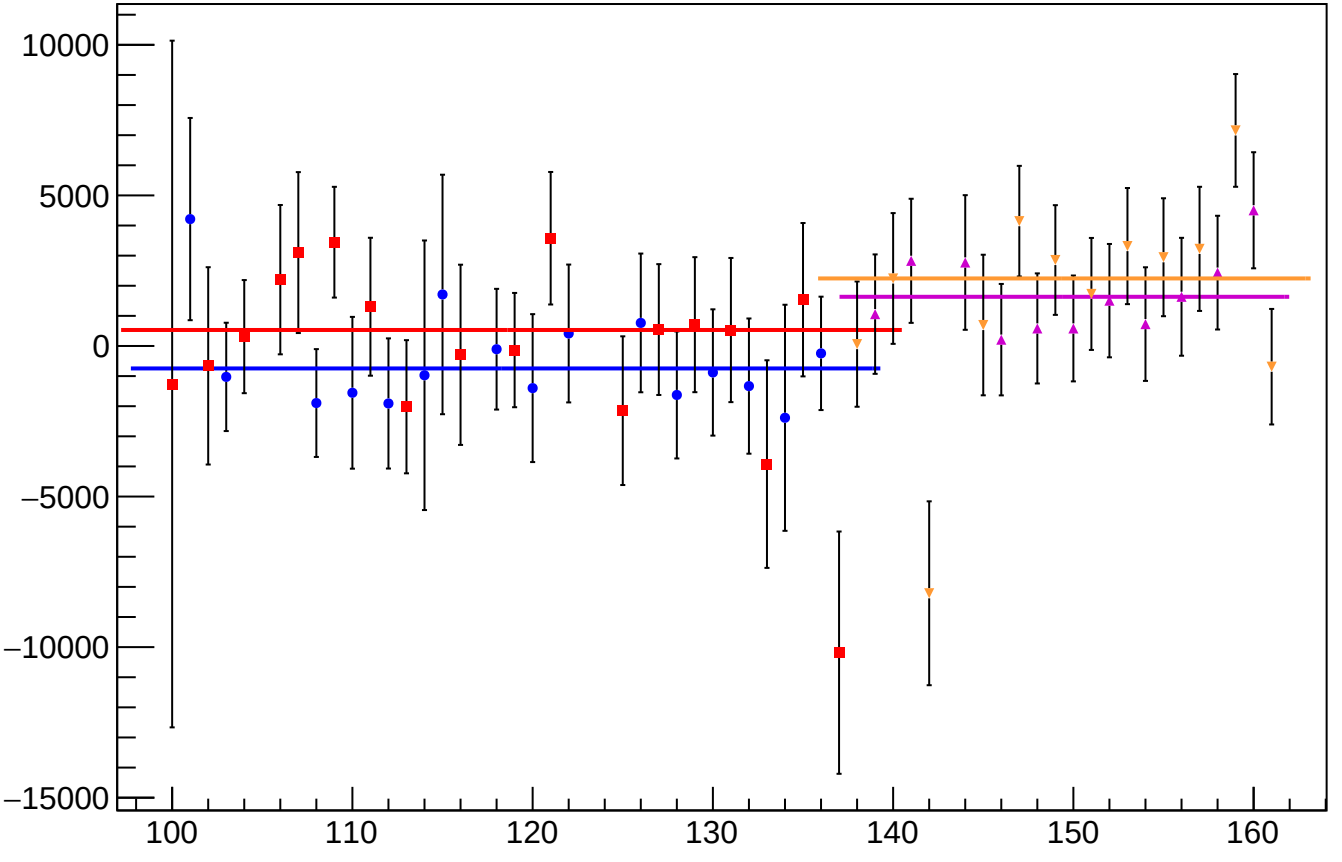
Left In: 7269.969+/-1.691 χ^2/NDF:524367.6/10

+ sign 6559.900+/-1.165 χ^2/NDF: 1525808.0/27

All: 6437.335+/-0.809 χ^2/NDF: 3358648.4/56

- sign 6322.861+/-1.126 χ^2/NDF: 1811426.1/28

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 2242.856+/-582.859 χ^2/NDF:24.4/11

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

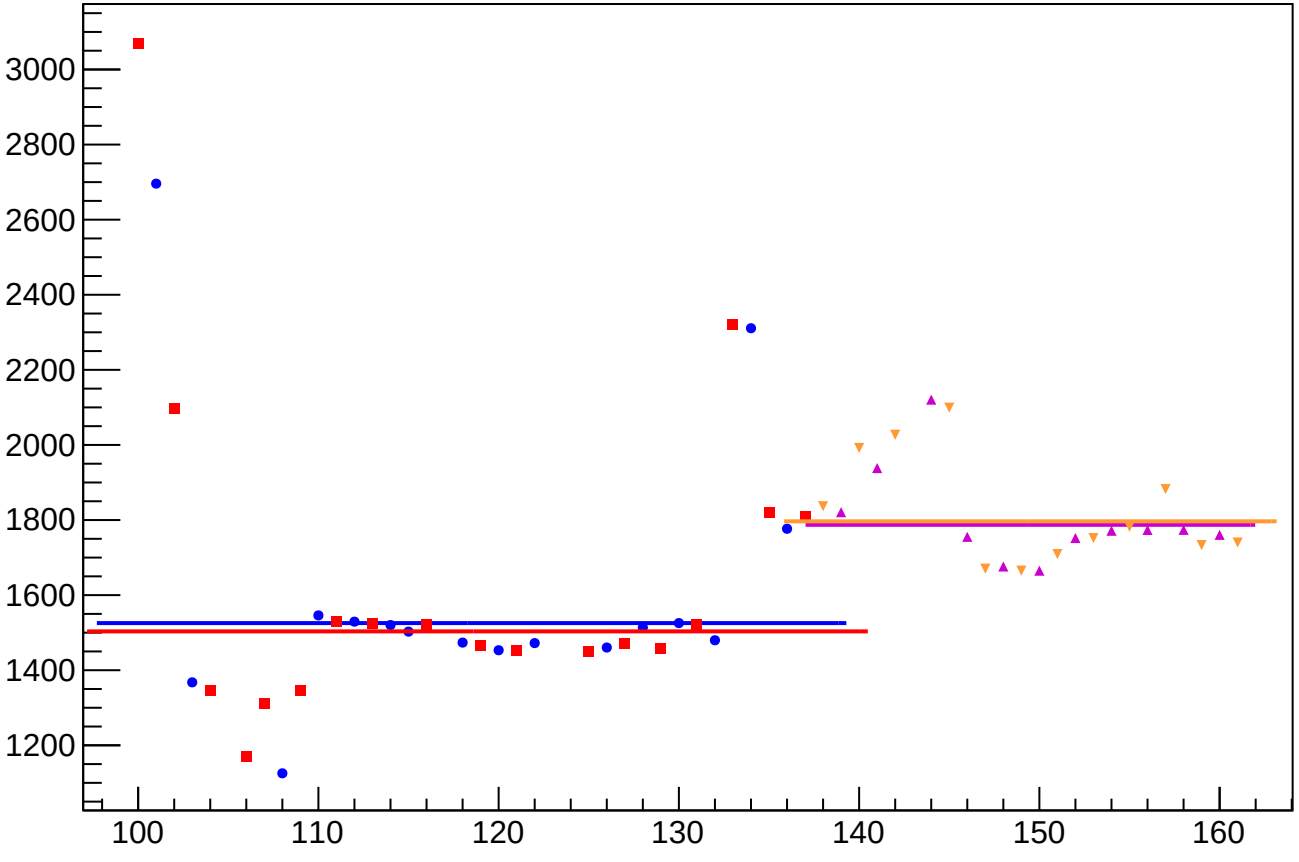
Left In: 1633.374+/-579.398 χ^2/NDF:4.6/10

\+ sign 736.143+/-410.440 χ^2/NDF: 42.4/27

All: 908.141+/-289.420 χ^2/NDF: 66.9/56

\- sign 1078.245+/-408.173 χ^2/NDF: 24.1/28

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1796.514+/-0.412 χ^2/NDF:94889.0/11

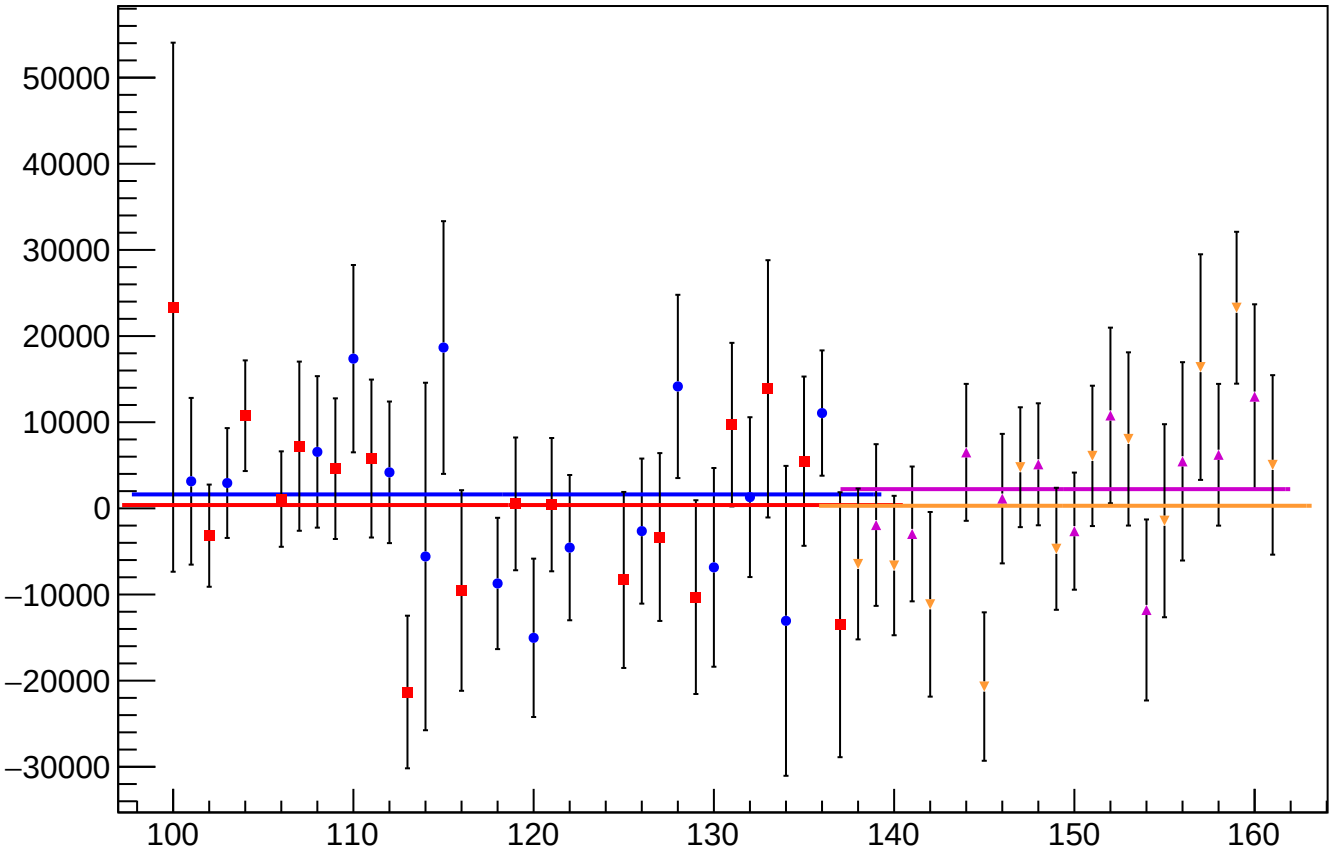
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1787.264+/-0.410 χ^2/NDF:74873.1/10

+ sign 1659.907+/-0.290 χ^2/NDF: 801143.6/27

All: 1652.037+/-0.205 χ^2/NDF: 1457810.4/56

- sign 1644.255+/-0.289 χ^2/NDF: 655204.2/28



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: 301.184+/-2565.528 χ^2/NDF:19.0/11

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

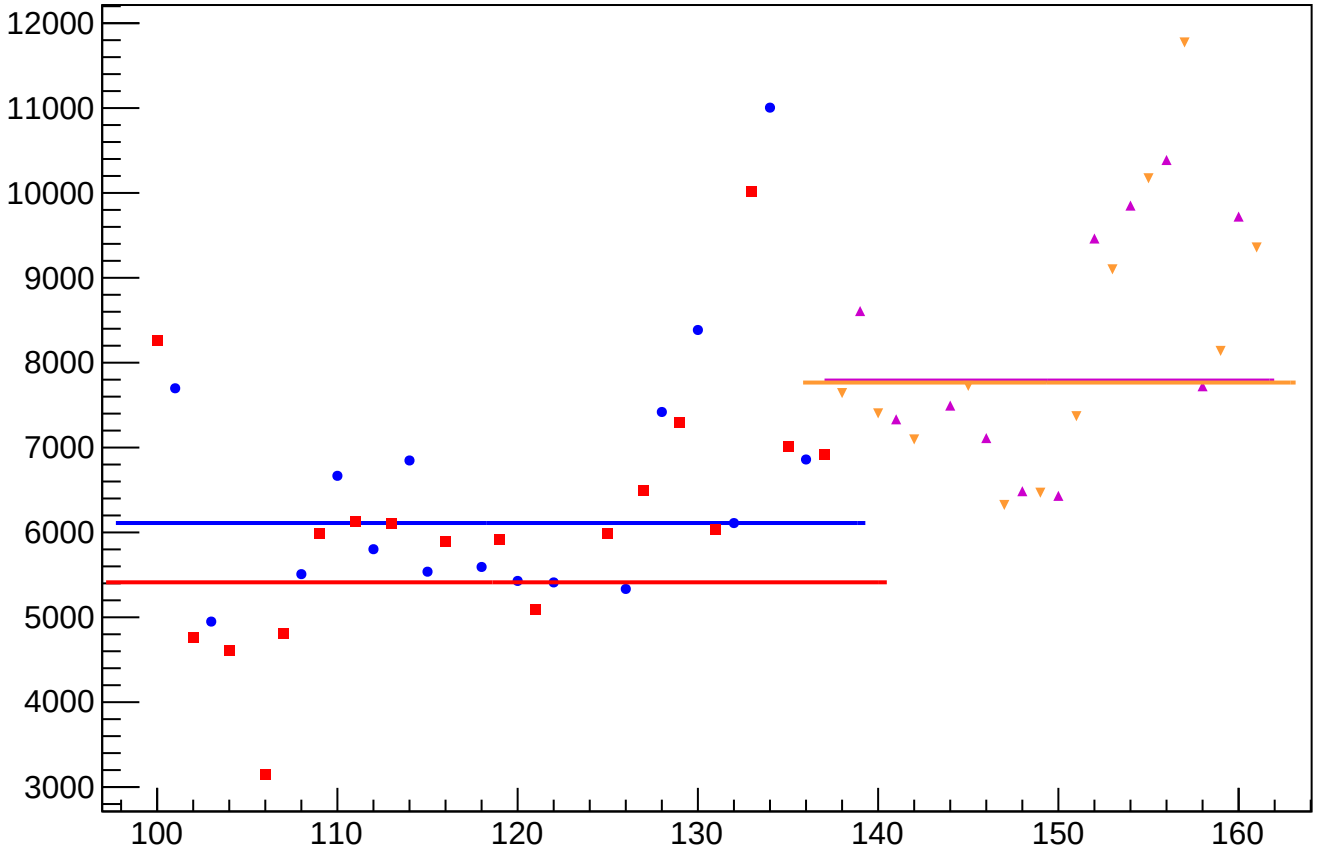
Left In: 2231.026+/-2560.612 χ^2/NDF:5.4/10

+ sign 1026.727+/-1720.774 χ^2/NDF: 33.4/27

All: 1071.926+/-1173.888 χ^2/NDF: 55.1/56

- sign 1111.272+/-1605.474 χ^2/NDF: 21.8/28

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7765.973+/-1.814 χ^2/NDF:535141.8/11

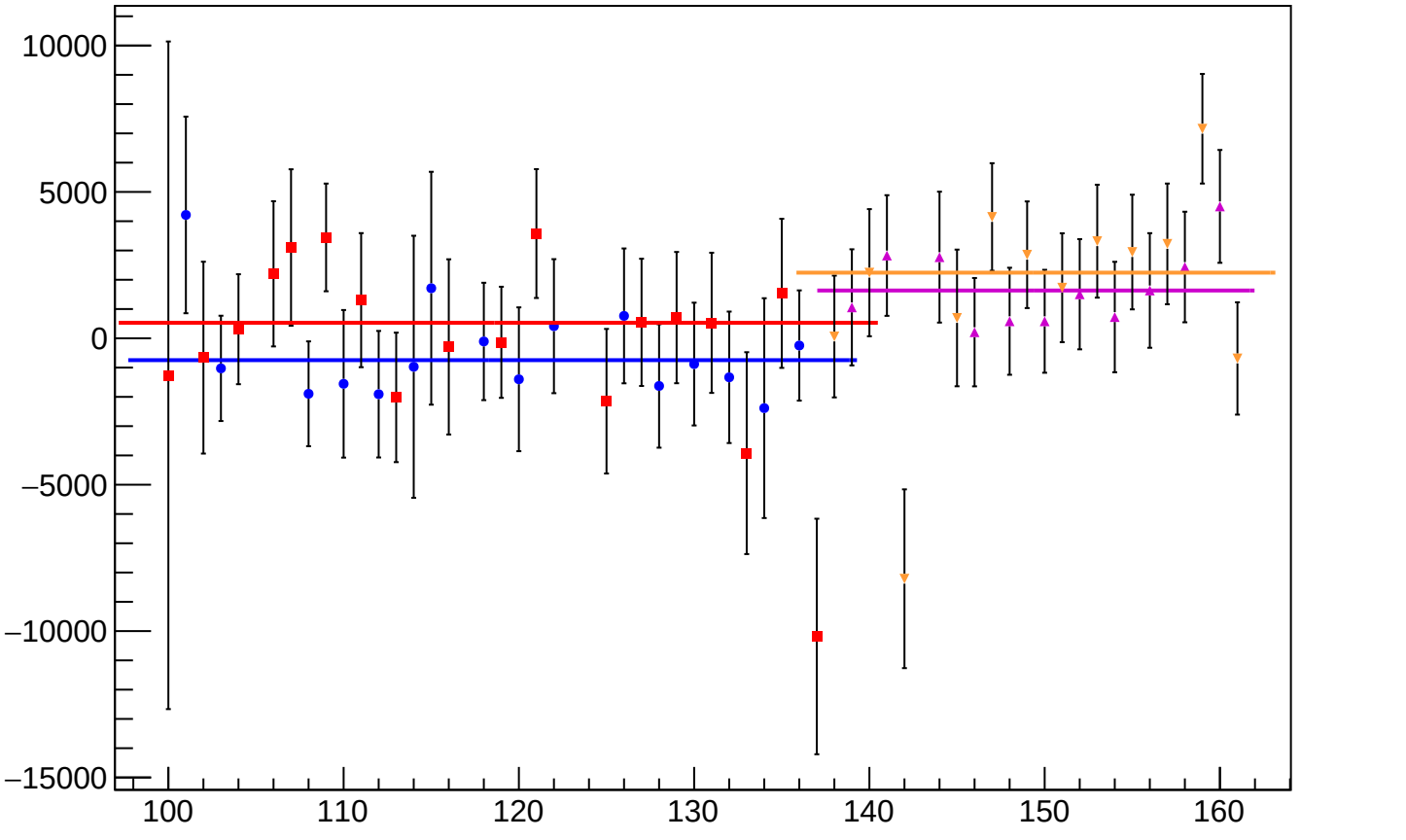
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7789.491+/-1.811 χ^2/NDF:486632.1/10

+ sign 6855.555+/-1.217 χ^2/NDF: 1464627.1/27

All: 6583.560+/-0.830 χ^2/NDF: 3912386.9/56

- sign 6346.794+/-1.135 χ^2/NDF: 2354293.3/28



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 2242.862+/-582.860 χ^2/NDF:24.4/11

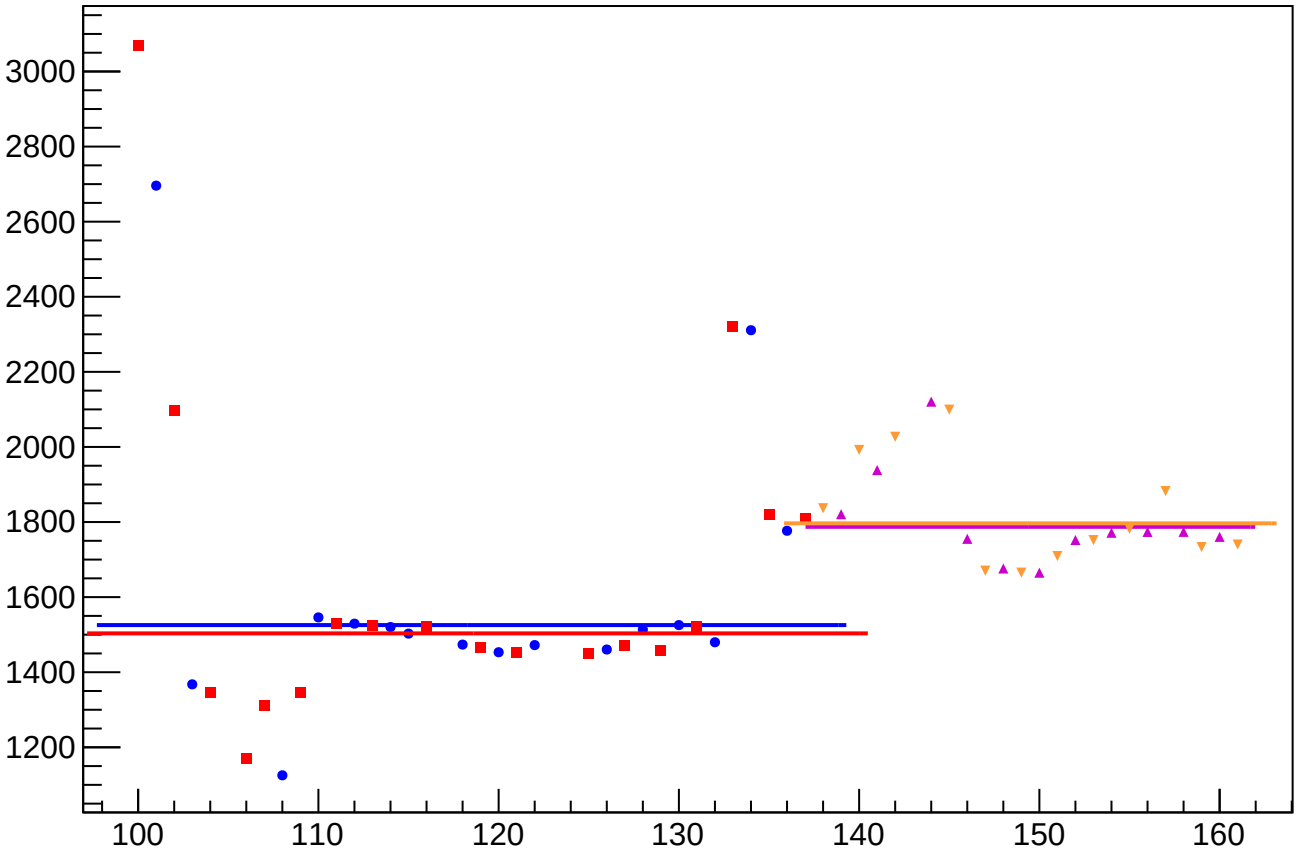
Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

Left In: 1633.372+/-579.399 χ^2/NDF:4.6/10

+ sign 736.142+/-410.441 χ^2/NDF: 42.4/27

All: 908.142+/-289.421 χ^2/NDF: 66.9/56

- sign 1078.248+/-408.174 χ^2/NDF: 24.1/28



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1796.517+/-0.412 χ^2/NDF:94889.9/11

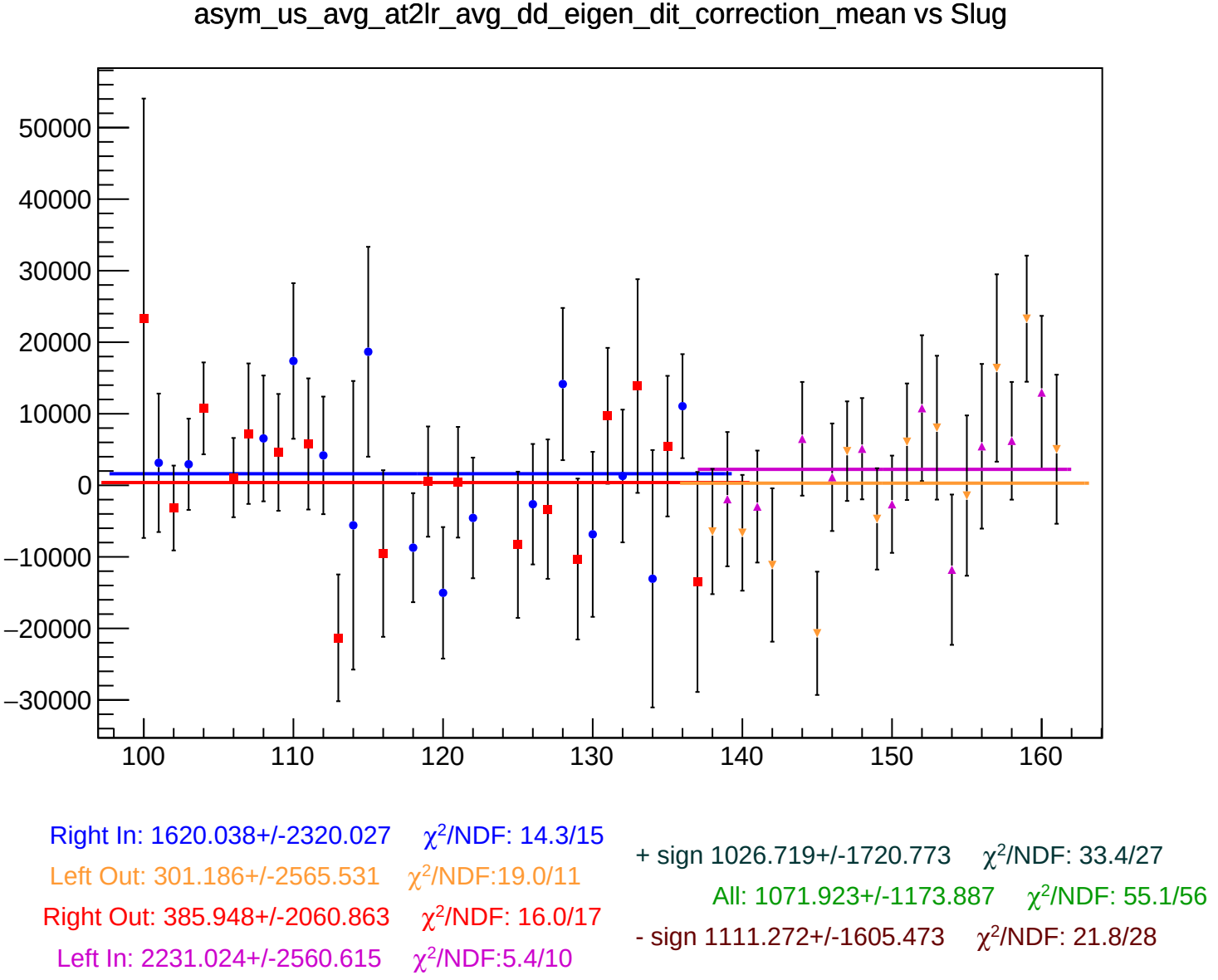
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

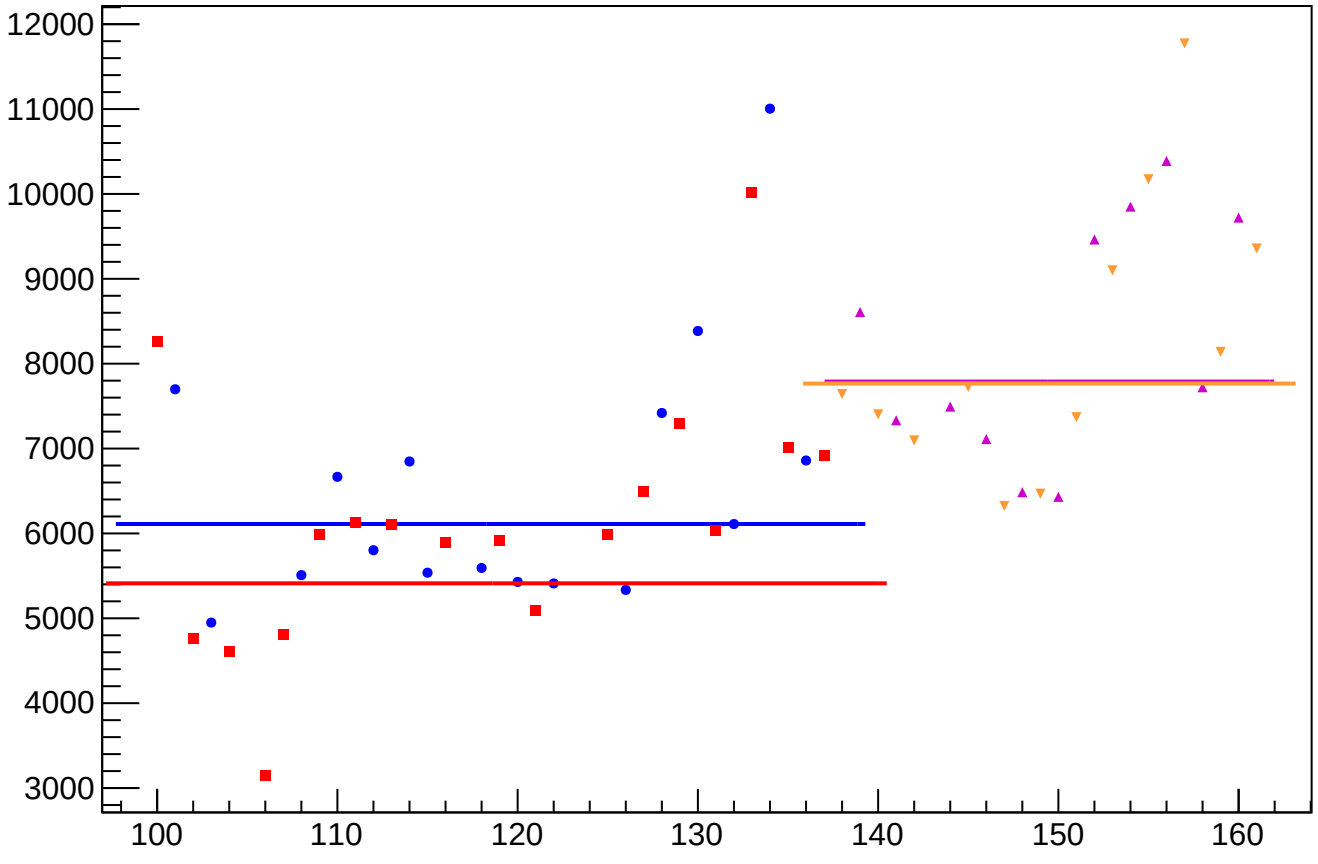
Left In: 1787.267+/-0.410 χ^2/NDF:74873.2/10

+ sign 1659.908+/-0.290 χ^2/NDF: 801147.9/27

All: 1652.038+/-0.205 χ^2/NDF: 1457818.7/56

- sign 1644.256+/-0.289 χ^2/NDF: 655208.3/28


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: 301.186+/-2565.531 χ²/NDF:19.0/11
Right Out: 385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: 2231.024+/-2560.615 χ²/NDF:5.4/10
+ sign 1026.719+/-1720.773 χ²/NDF: 33.4/27
All: 1071.923+/-1173.887 χ²/NDF: 55.1/56
- sign 1111.272+/-1605.473 χ²/NDF: 21.8/28



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7765.982+/-1.814 χ^2/NDF:535142.1/11

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

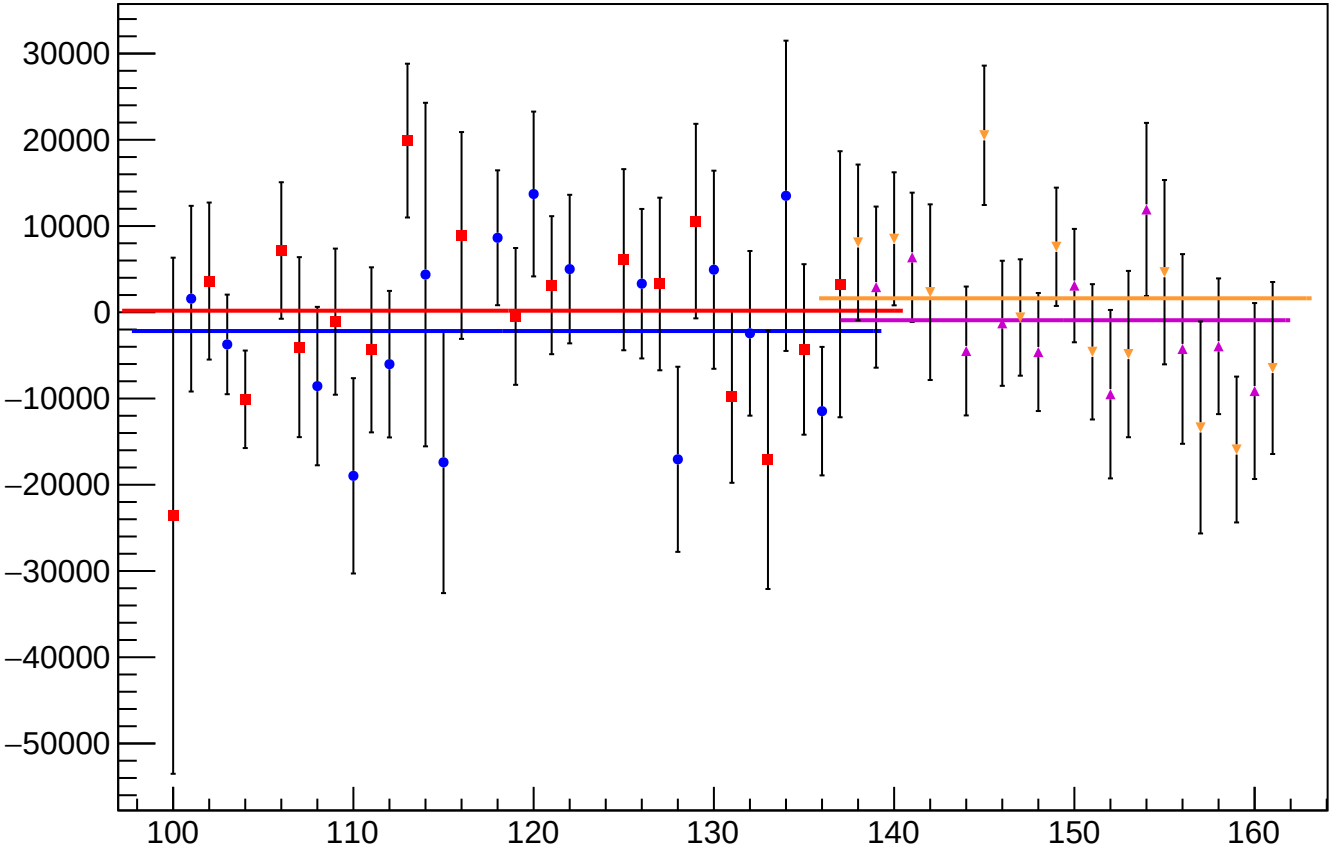
Left In: 7789.500+/-1.811 χ^2/NDF:486632.2/10

+ sign 6855.549+/-1.217 χ^2/NDF: 1464642.4/27

All: 6583.553+/-0.830 χ^2/NDF: 3912421.2/56

- sign 6346.787+/-1.135 χ^2/NDF: 2354311.8/28

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1622.443+/-2471.934 χ^2/NDF:15.3/11

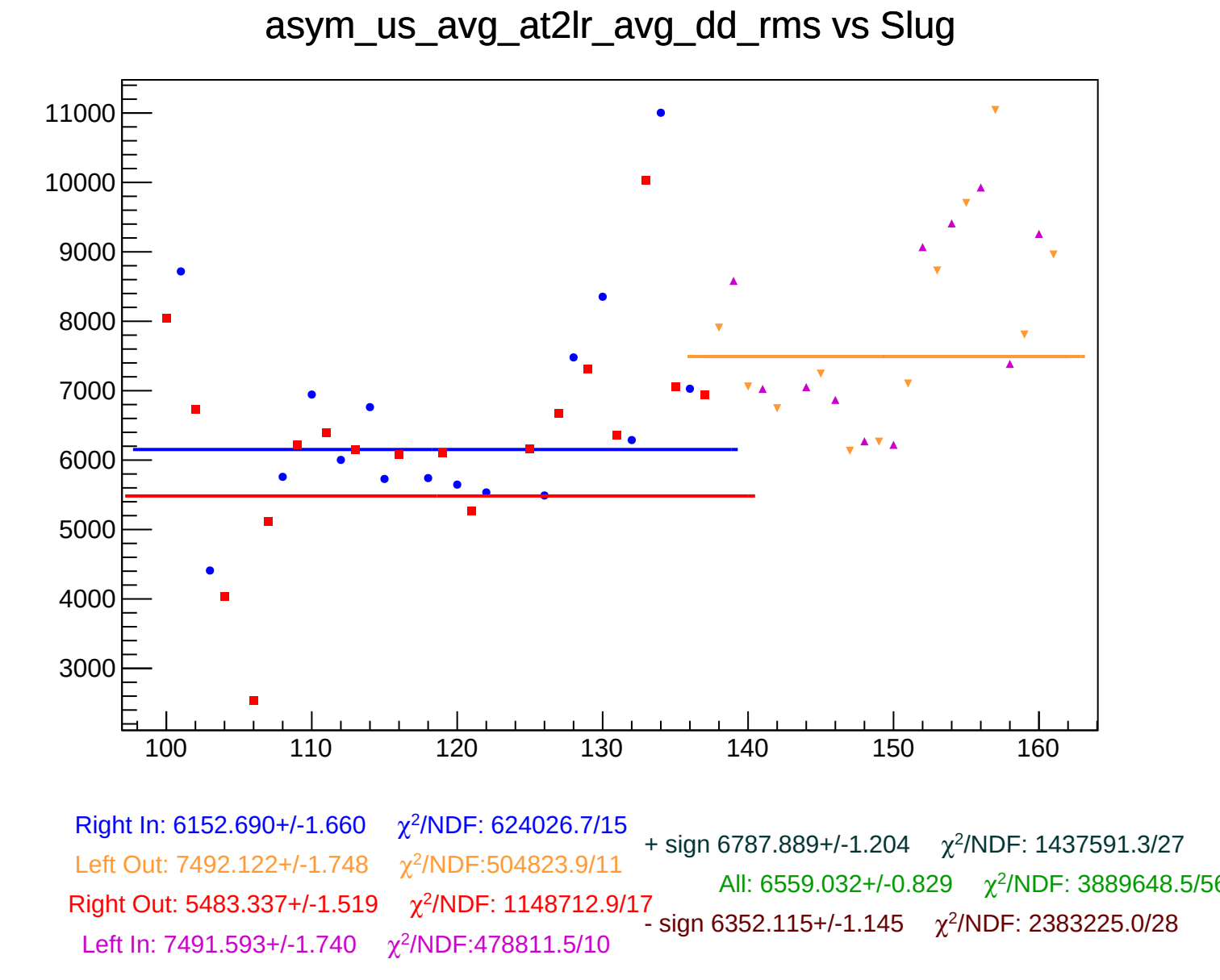
Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

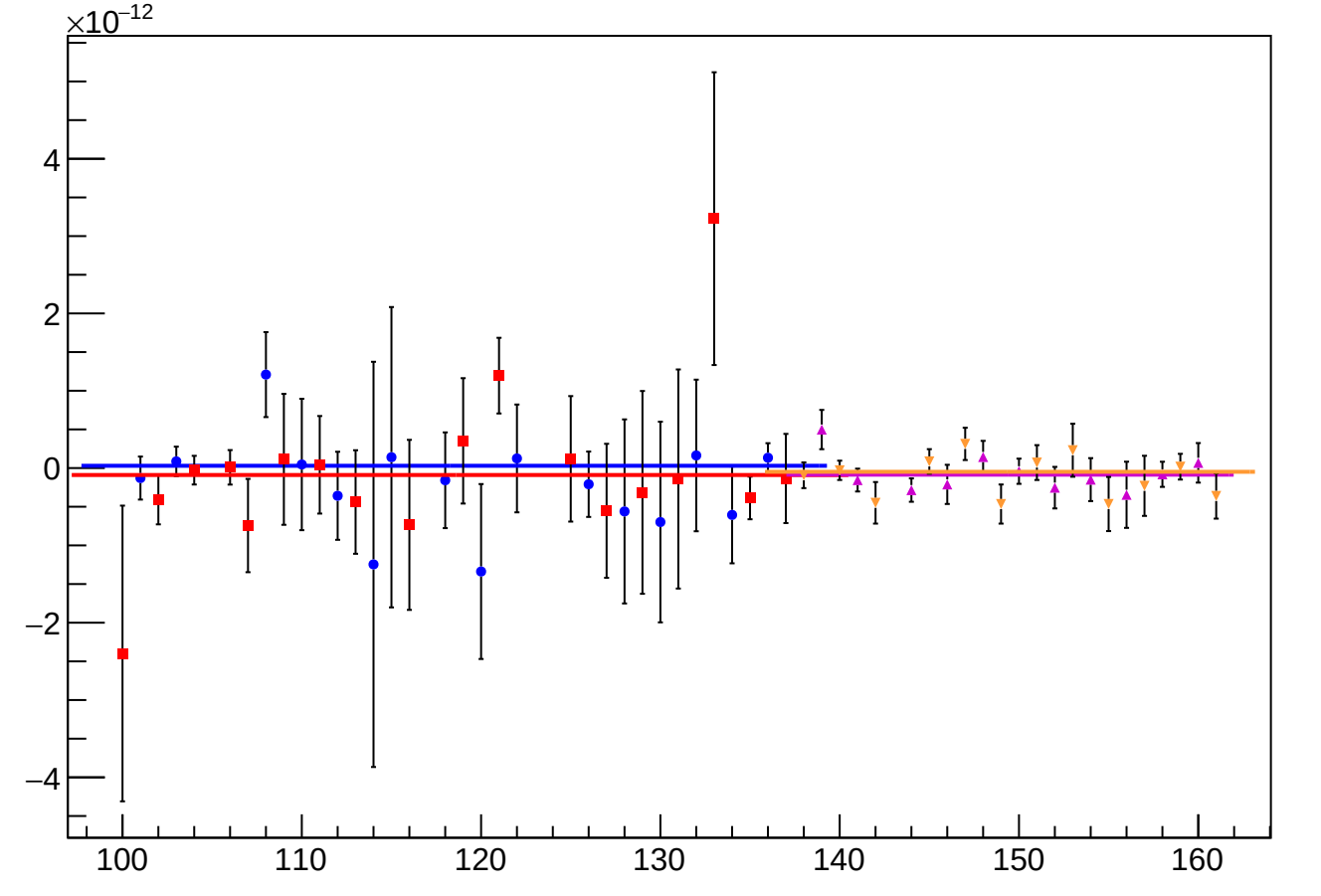
Left In: -921.953+/-2460.949 χ^2/NDF:5.3/10

+ sign -373.627+/-1702.286 χ^2/NDF: 31.1/27

All: -343.243+/-1185.529 χ^2/NDF: 51.2/56

- sign -314.627+/-1652.025 χ^2/NDF: 20.1/28


asym_us_avg_at2lr_avg_dd_rms vs Slug
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 6152.690+/-1.660 χ²/NDF: 624026.7/15
Left Out: 7492.122+/-1.748 χ²/NDF:504823.9/11
Right Out: 5483.337+/-1.519 χ²/NDF: 1148712.9/17
Left In: 7491.593+/-1.740 χ²/NDF:478811.5/10
+ sign 6787.889+/-1.204 χ²/NDF: 1437591.3/27
All: 6559.032+/-0.829 χ²/NDF: 3889648.5/56
- sign 6352.115+/-1.145 χ²/NDF: 2383225.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.6/11

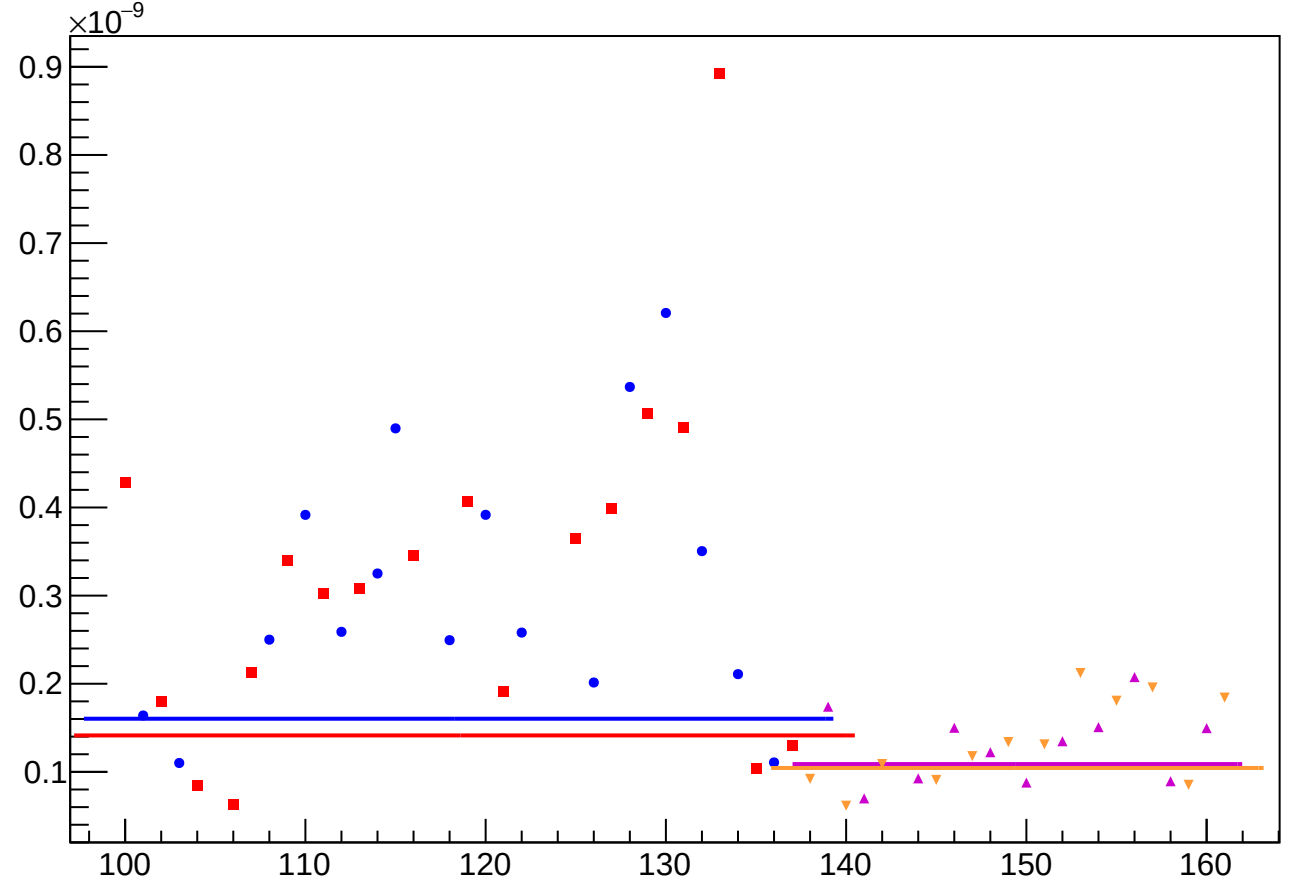
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:9.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 22.6/27

All: -0.000+/-0.000 χ^2/NDF: 49.6/56

- sign -0.000+/-0.000 χ^2/NDF: 26.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:902805.5/11

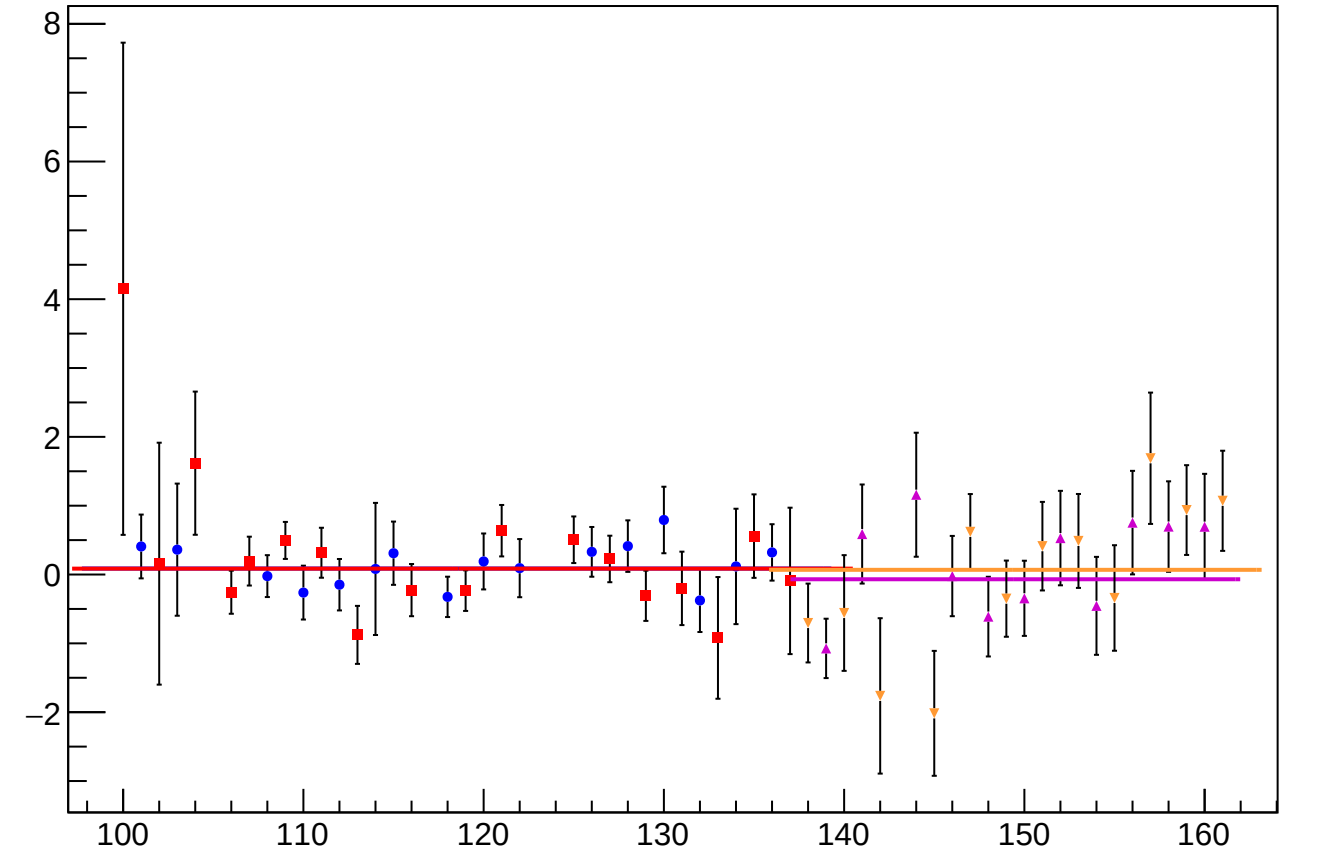
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:637886.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 2669541.3/27

All: 0.000+/-0.000 χ^2/NDF: 5621485.2/56

- sign 0.000+/-0.000 χ^2/NDF: 2951688.7/28



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.068+/-0.201 χ^2/NDF:19.4/11

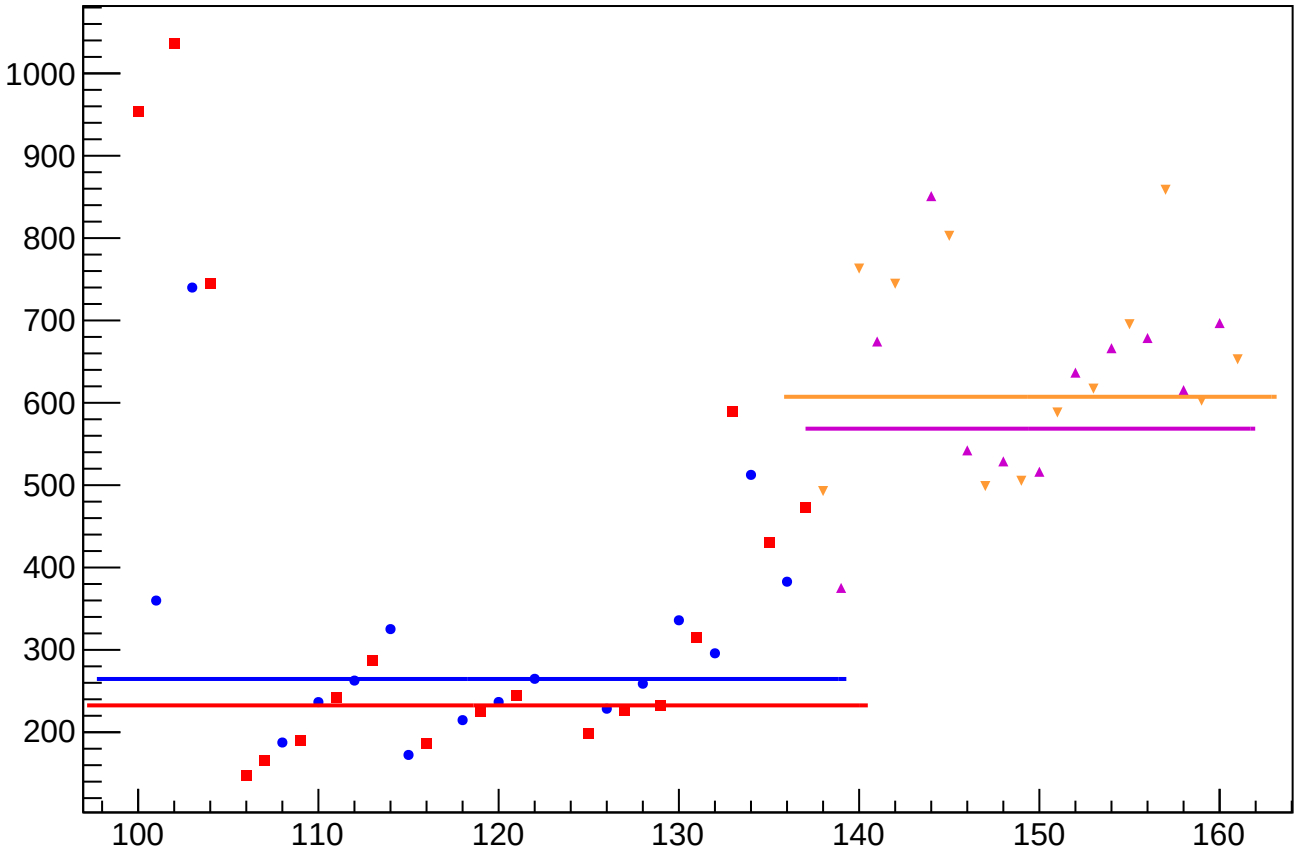
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.069+/-0.190 χ^2/NDF:13.9/10

+ sign 0.083+/-0.093 χ^2/NDF: 28.2/27

All: 0.067+/-0.063 χ^2/NDF: 64.5/56

- sign 0.053+/-0.087 χ^2/NDF: 36.2/28



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 607.323+/-0.142 χ^2/NDF:592114.8/11

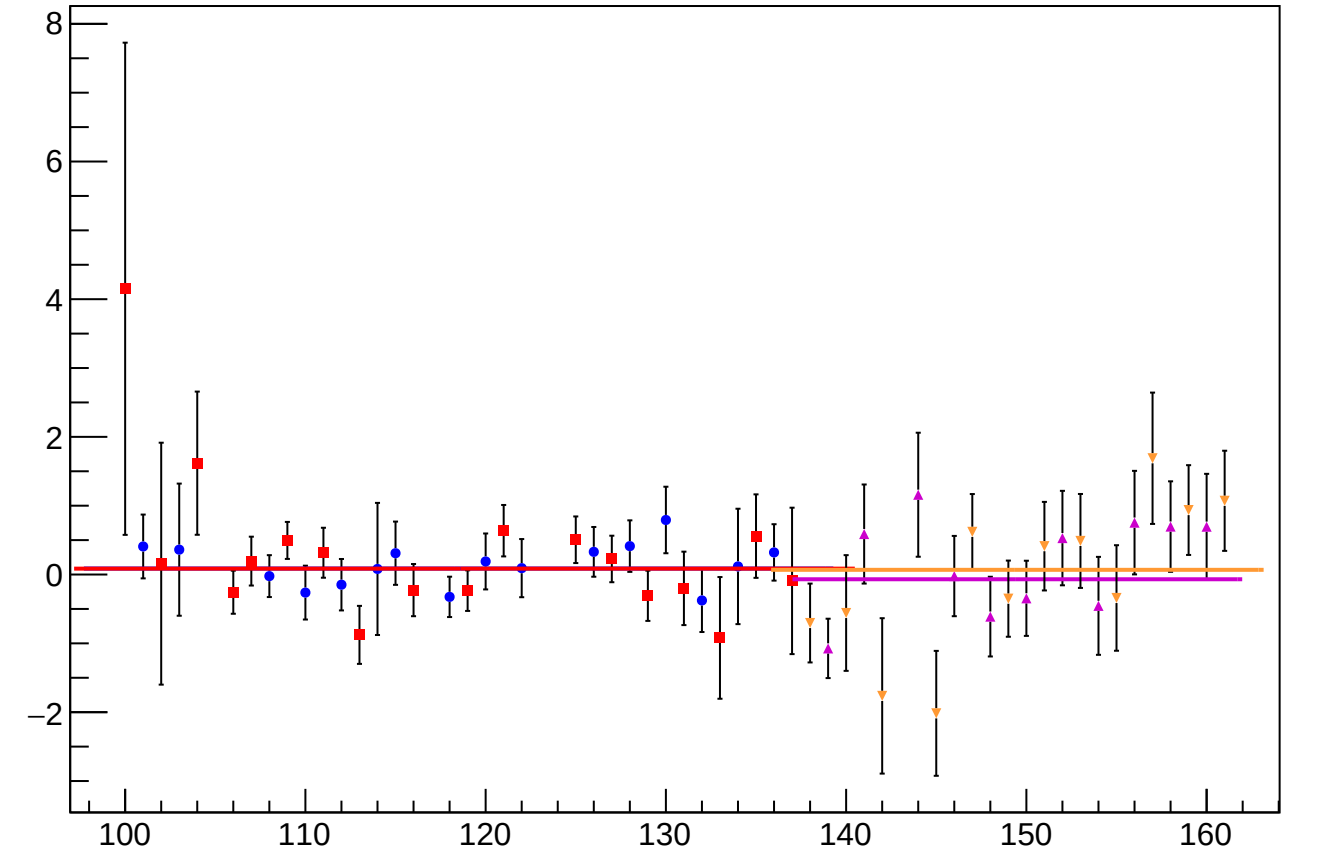
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 568.597+/-0.134 χ^2/NDF:839818.1/10

+ sign 337.976+/-0.066 χ^2/NDF: 6426216.9/27

All: 318.916+/-0.045 χ^2/NDF: 14408265.0/56

- sign 302.434+/-0.061 χ^2/NDF: 7825942.7/28



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.068+/-0.201 χ^2/NDF:19.4/11

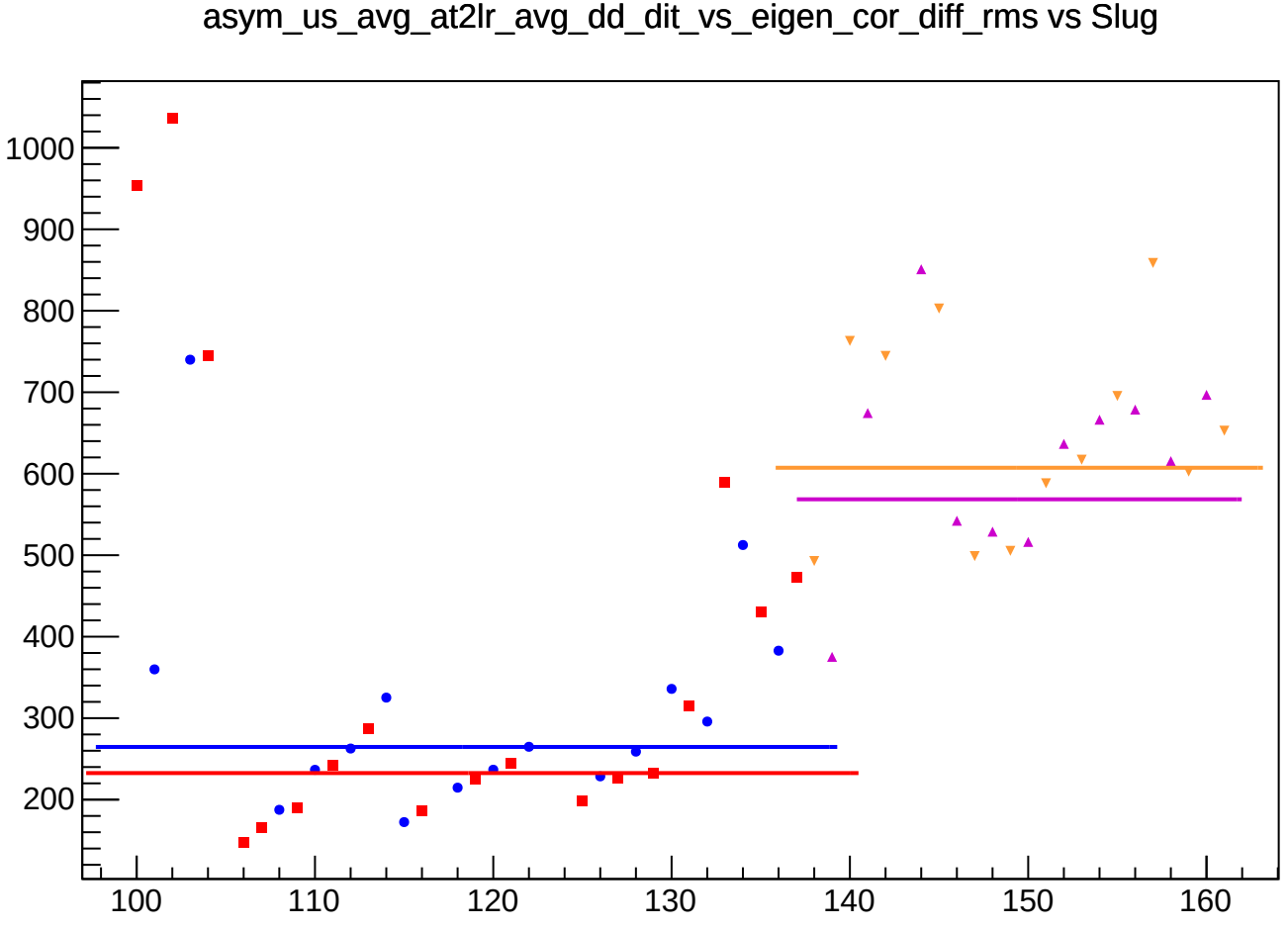
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.069+/-0.190 χ^2/NDF:13.9/10

+ sign 0.083+/-0.093 χ^2/NDF: 28.2/27

All: 0.067+/-0.063 χ^2/NDF: 64.5/56

- sign 0.053+/-0.087 χ^2/NDF: 36.2/28


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
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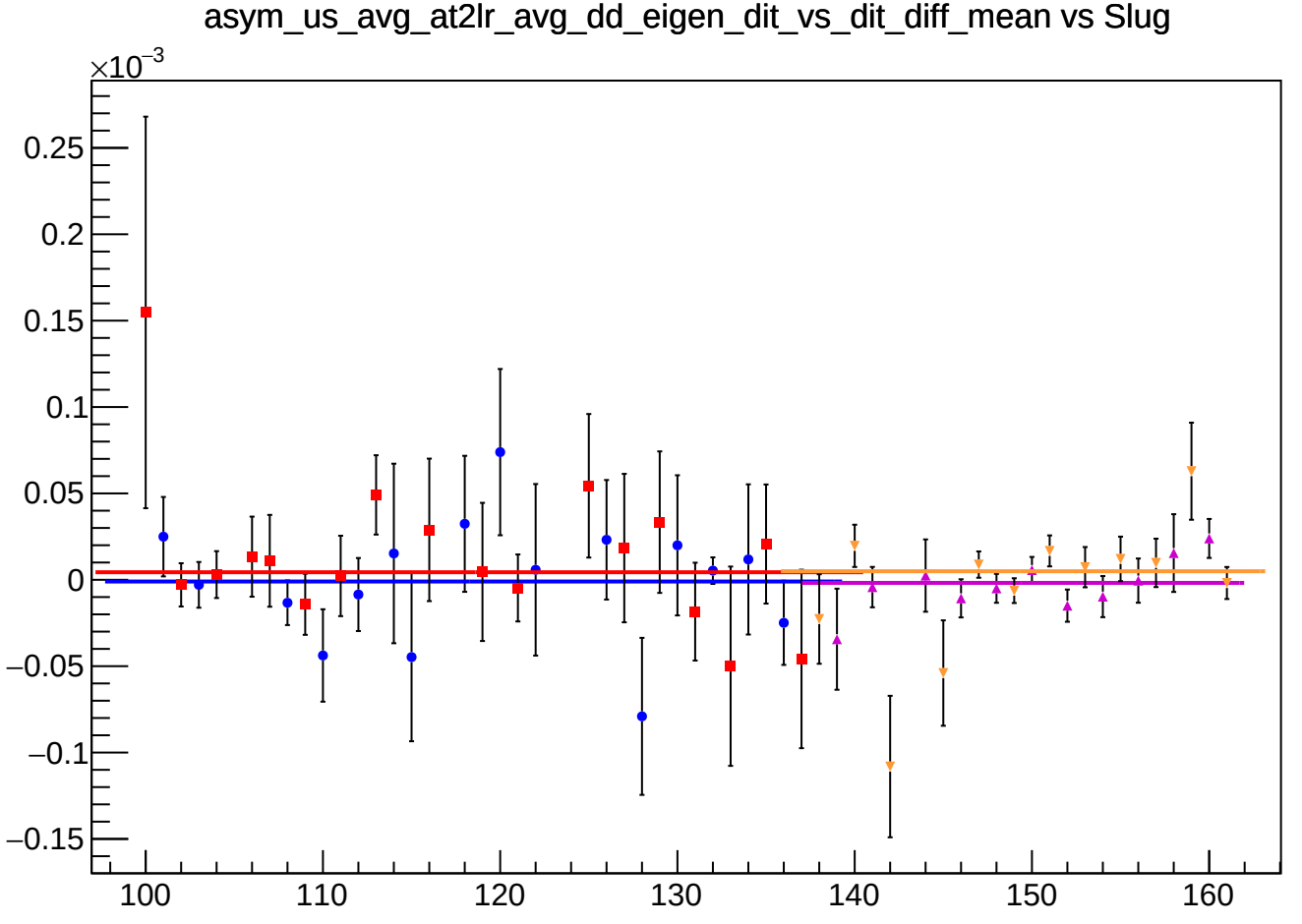
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 607.323+/-0.142 χ²/NDF:592114.8/11
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 568.597+/-0.134 χ²/NDF:839818.1/10
+ sign 337.976+/-0.066 χ²/NDF: 6426216.9/27
All: 318.916+/-0.045 χ²/NDF: 14408265.0/56
- sign 302.434+/-0.061 χ²/NDF: 7825942.7/28



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/11

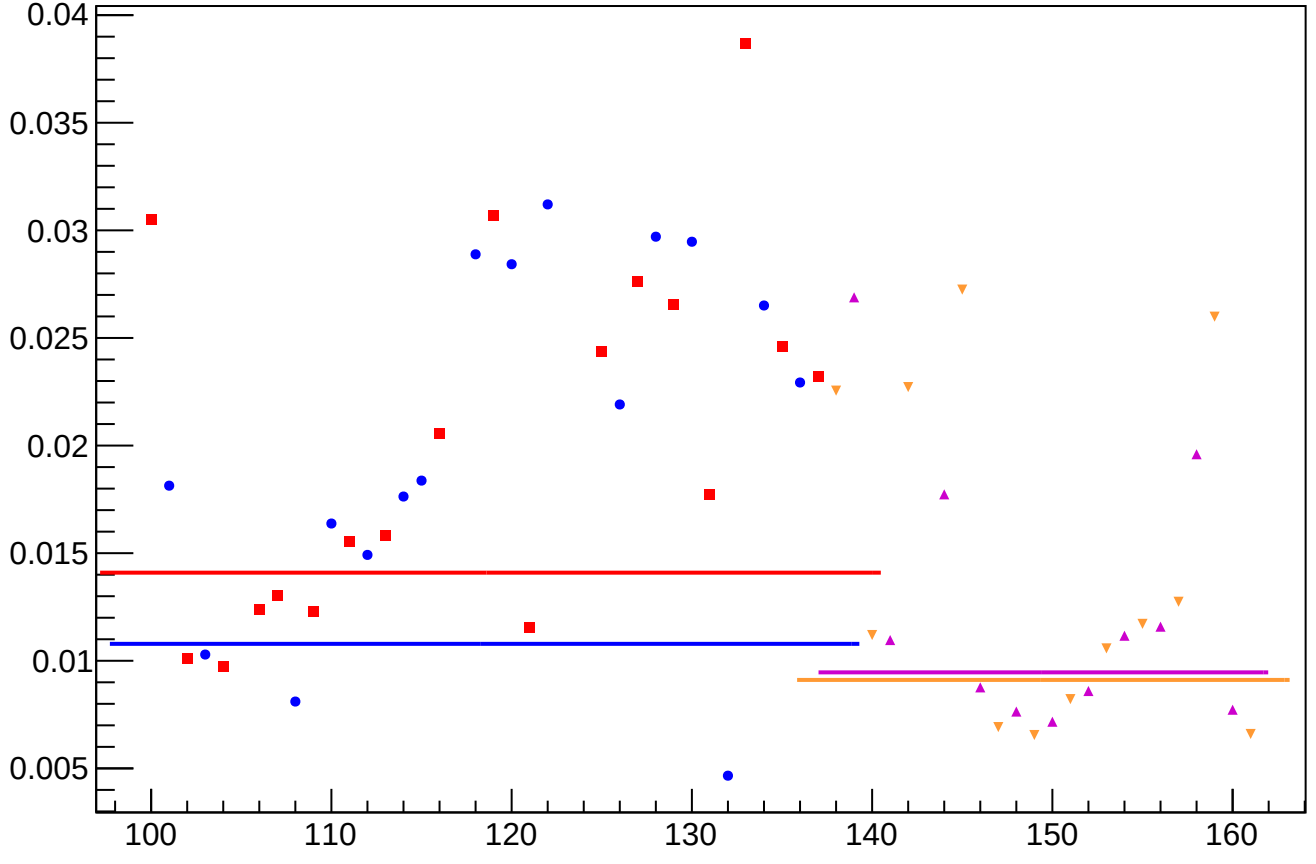
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:11.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 39.0/27

All: 0.000+/-0.000 χ^2/NDF: 64.4/56

- sign -0.000+/-0.000 χ^2/NDF: 24.7/28



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:3082018.6/11

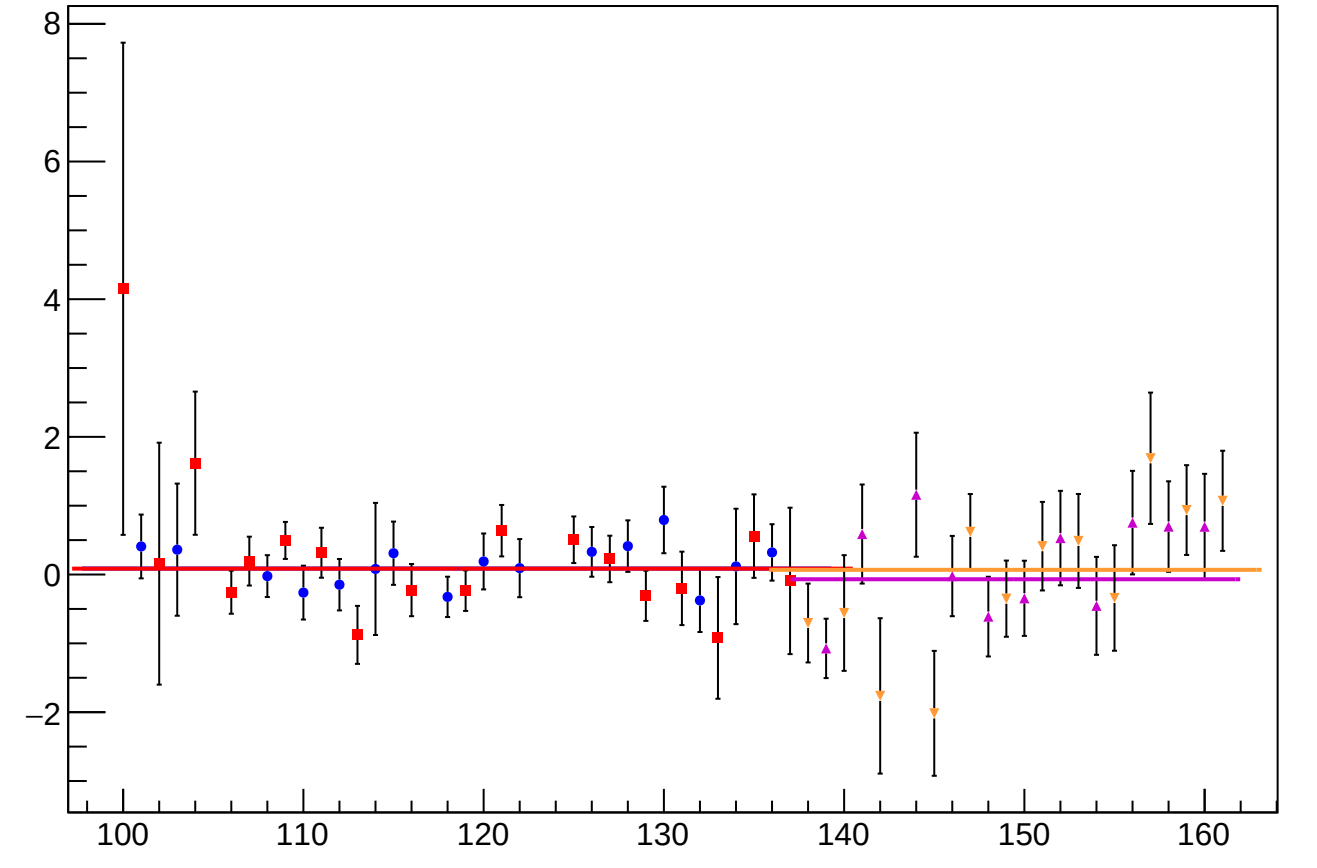
Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.009+/-0.000 χ^2/NDF:1907400.0/10

+ sign 0.010+/-0.000 χ^2/NDF: 7819598.4/27

All: 0.010+/-0.000 χ^2/NDF: 12911005.6/56

- sign 0.011+/-0.000 χ^2/NDF: 4955490.8/28



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.068+/-0.201 χ^2/NDF:19.4/11

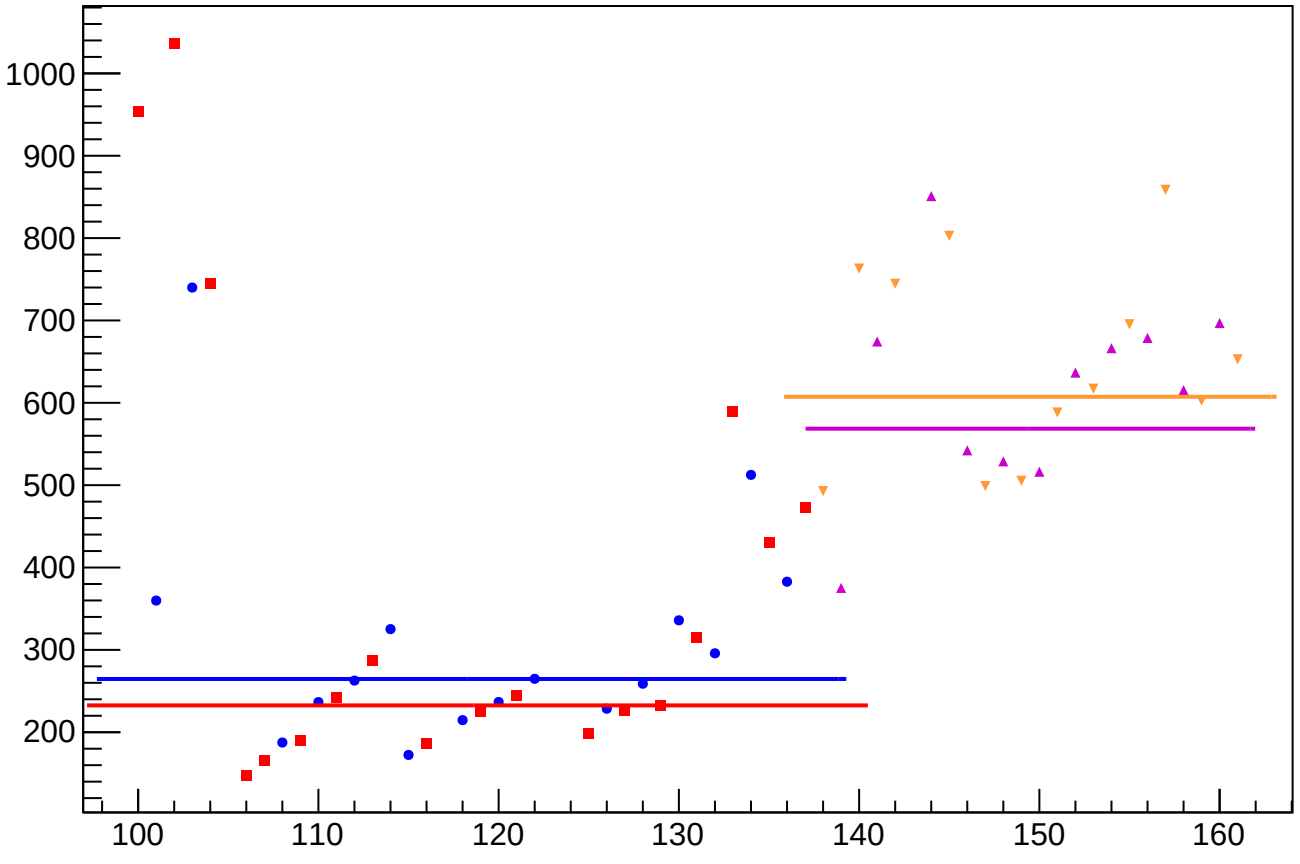
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.069+/-0.190 χ^2/NDF:13.9/10

+ sign 0.083+/-0.093 χ^2/NDF: 28.2/27

All: 0.067+/-0.063 χ^2/NDF: 64.5/56

- sign 0.053+/-0.087 χ^2/NDF: 36.2/28


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
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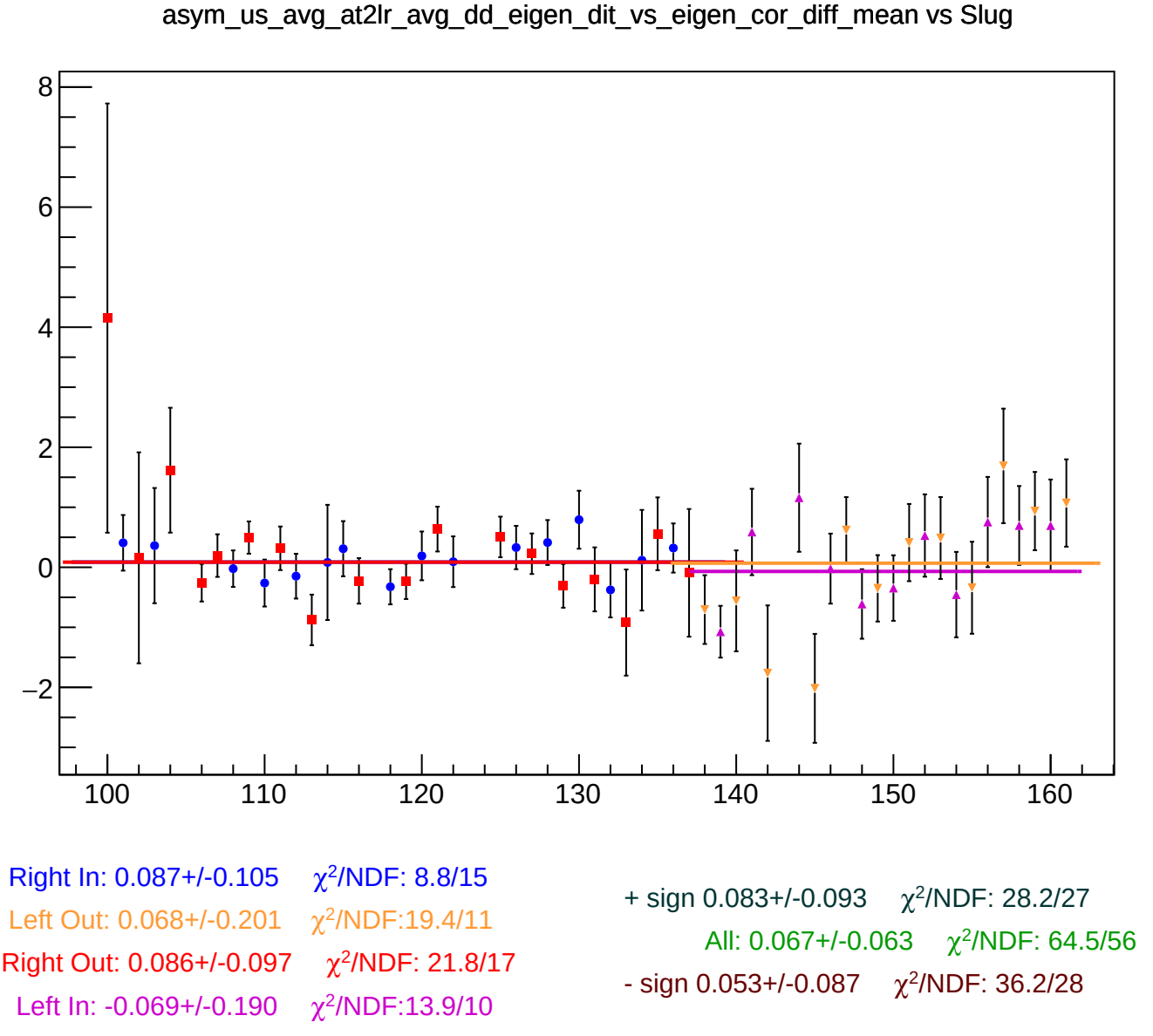
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 607.329+/-0.142 χ²/NDF:592120.5/11
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 568.605+/-0.134 χ²/NDF:839787.2/10
+ sign 337.976+/-0.066 χ²/NDF: 6426297.9/27
All: 318.916+/-0.045 χ²/NDF: 14408401.0/56
- sign 302.435+/-0.061 χ²/NDF: 7826008.3/28


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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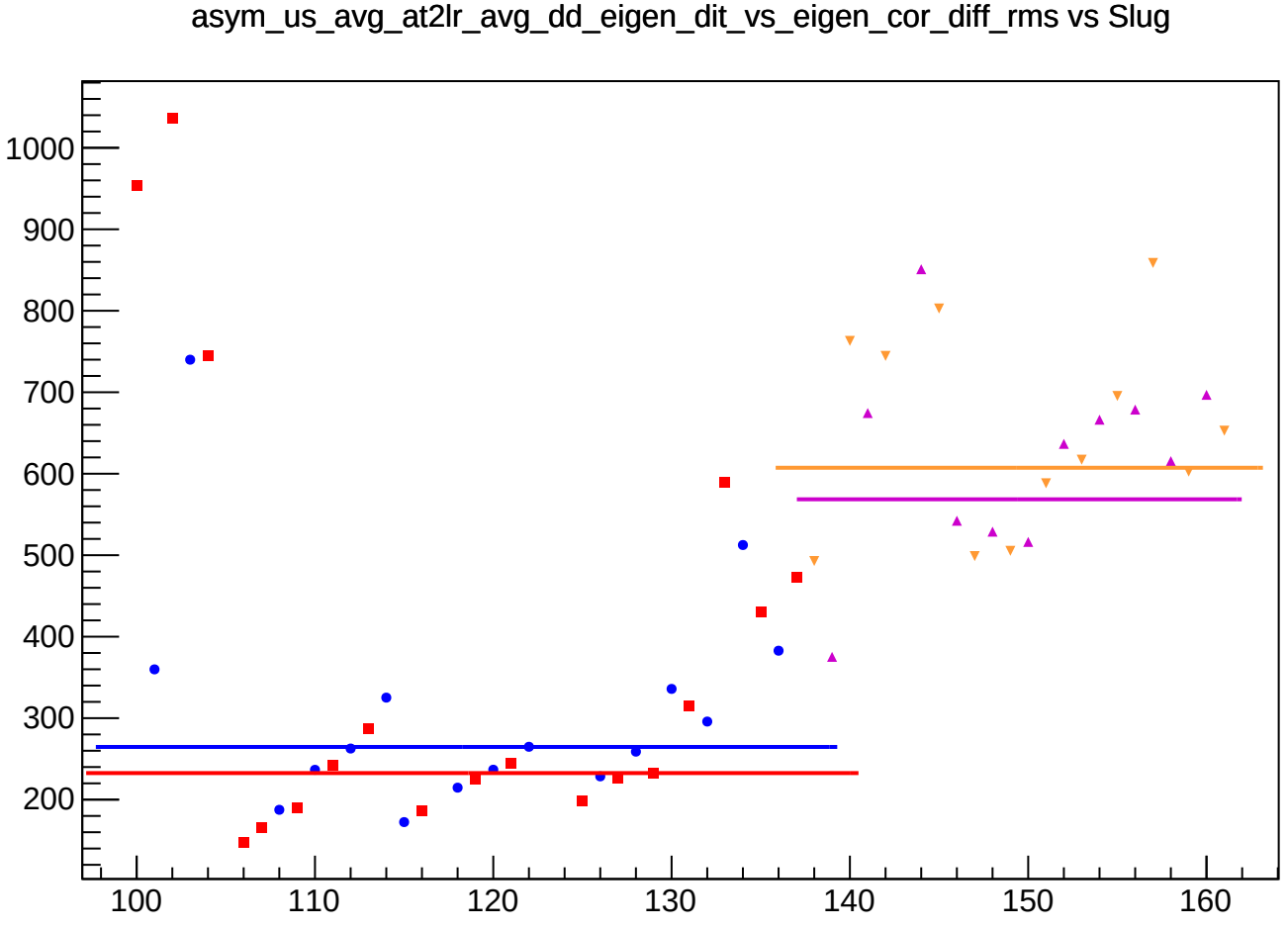
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.068+/-0.201 χ²/NDF:19.4/11
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.069+/-0.190 χ²/NDF:13.9/10
+ sign 0.083+/-0.093 χ²/NDF: 28.2/27
All: 0.067+/-0.063 χ²/NDF: 64.5/56
- sign 0.053+/-0.087 χ²/NDF: 36.2/28


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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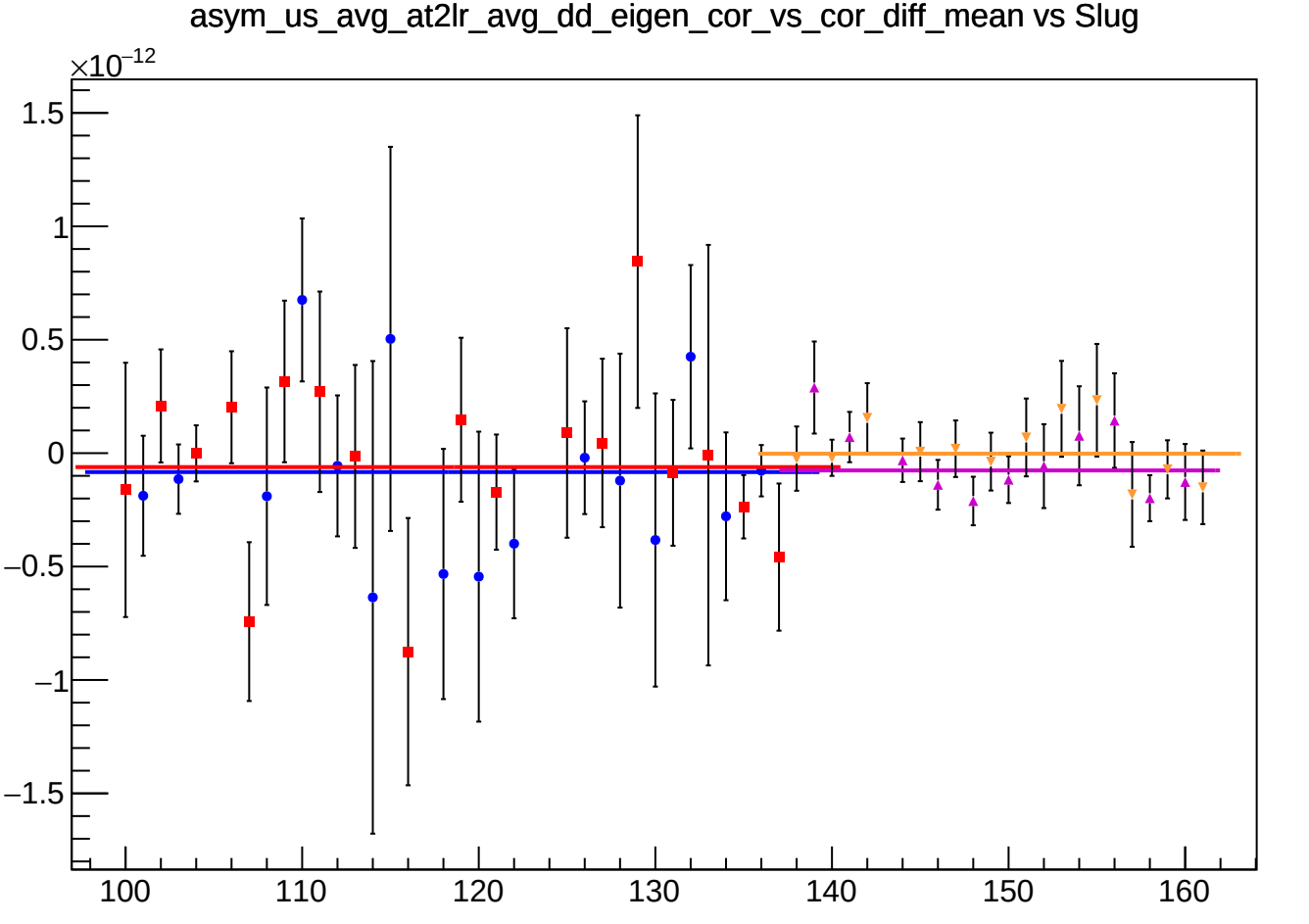
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 607.329+/-0.142 χ²/NDF:592120.5/11
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 568.605+/-0.134 χ²/NDF:839787.2/10
+ sign 337.976+/-0.066 χ²/NDF: 6426297.9/27
All: 318.916+/-0.045 χ²/NDF: 14408401.0/56
- sign 302.435+/-0.061 χ²/NDF: 7826008.3/28



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/11

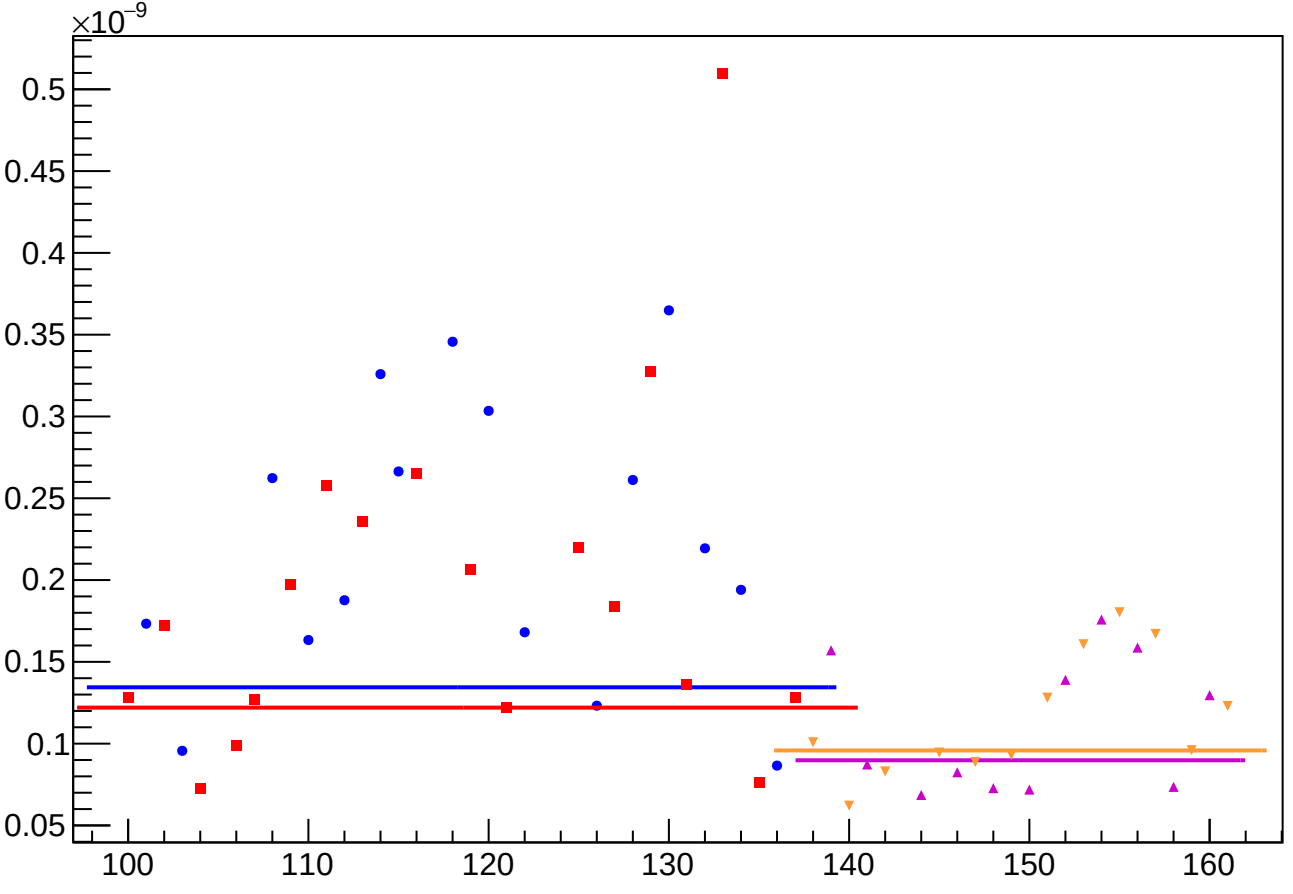
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:10.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 15.7/27

All: -0.000+/-0.000 χ^2/NDF: 43.0/56

- sign -0.000+/-0.000 χ^2/NDF: 26.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1119143.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

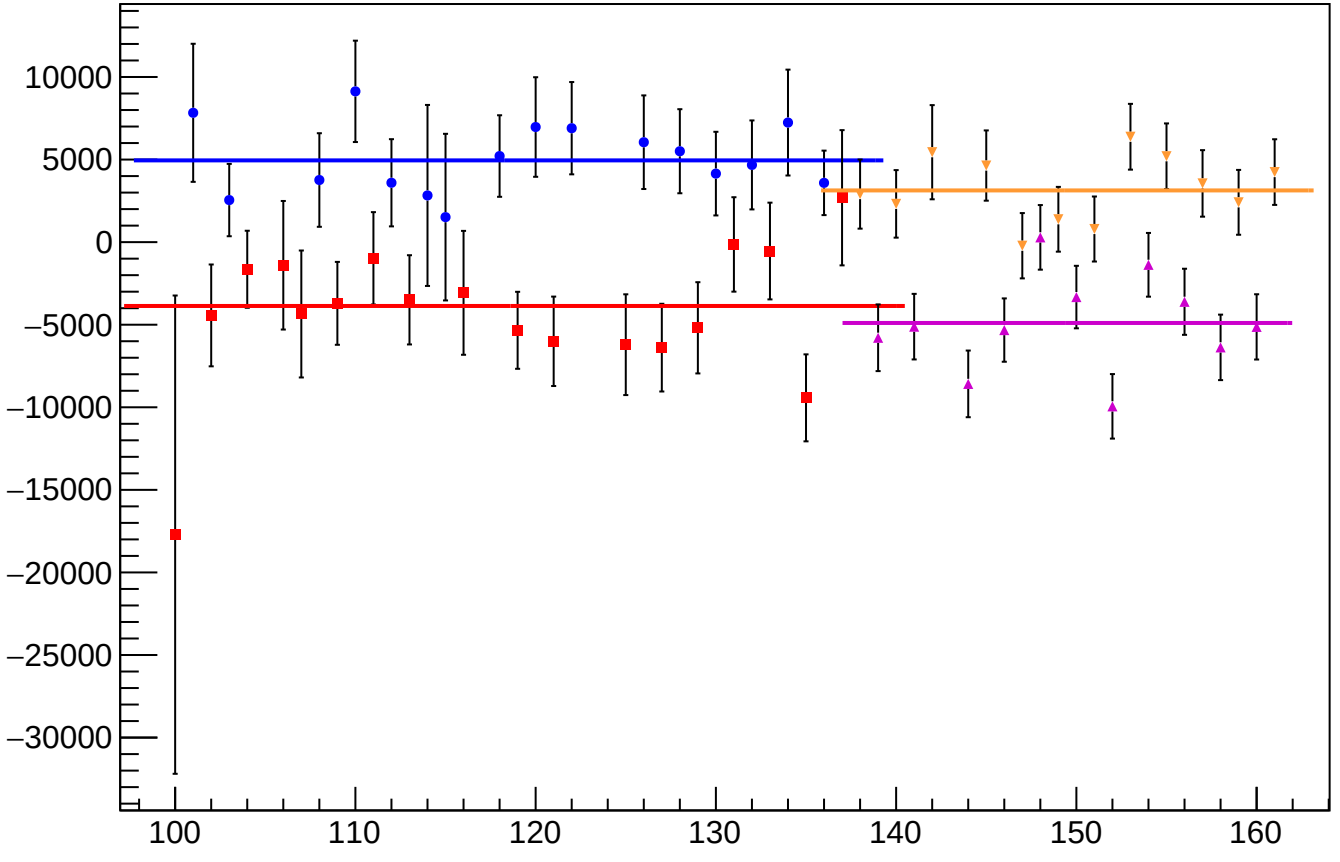
Left In: 0.000+/-0.000 χ^2/NDF:1273046.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 3402166.9/27

All: 0.000+/-0.000 χ^2/NDF: 7095214.7/56

- sign 0.000+/-0.000 χ^2/NDF: 3645262.5/28

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3131.530+/-592.358 χ^2/NDF:10.6/11

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

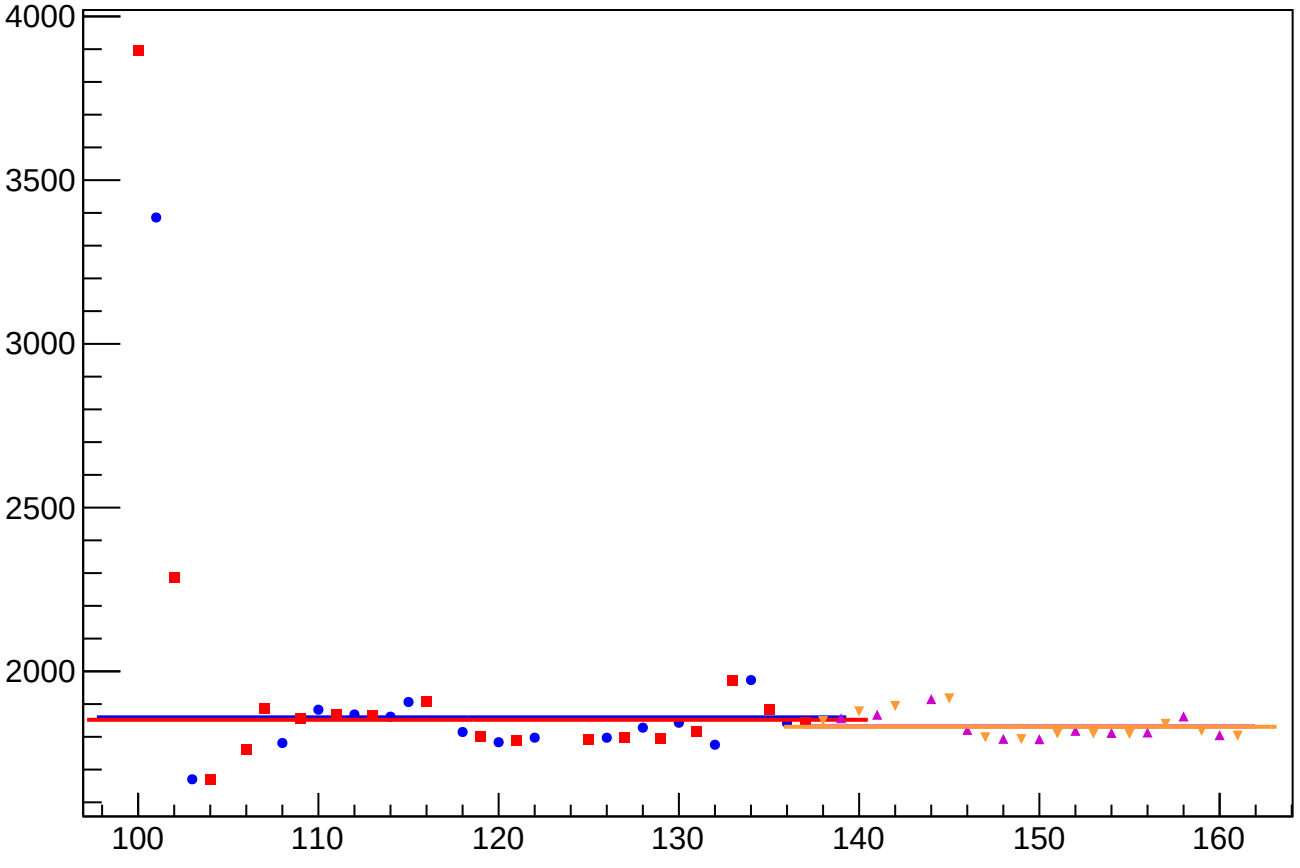
Left In: -4894.271+/-592.585 χ^2/NDF:22.3/10

+ sign 3891.825+/-451.895 χ^2/NDF: 21.4/27

All: -291.889+/-319.270 χ^2/NDF: 232.3/56

- sign -4461.613+/-451.139 χ^2/NDF: 39.7/28

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1830.683+/-0.419 χ^2/NDF:7955.8/11

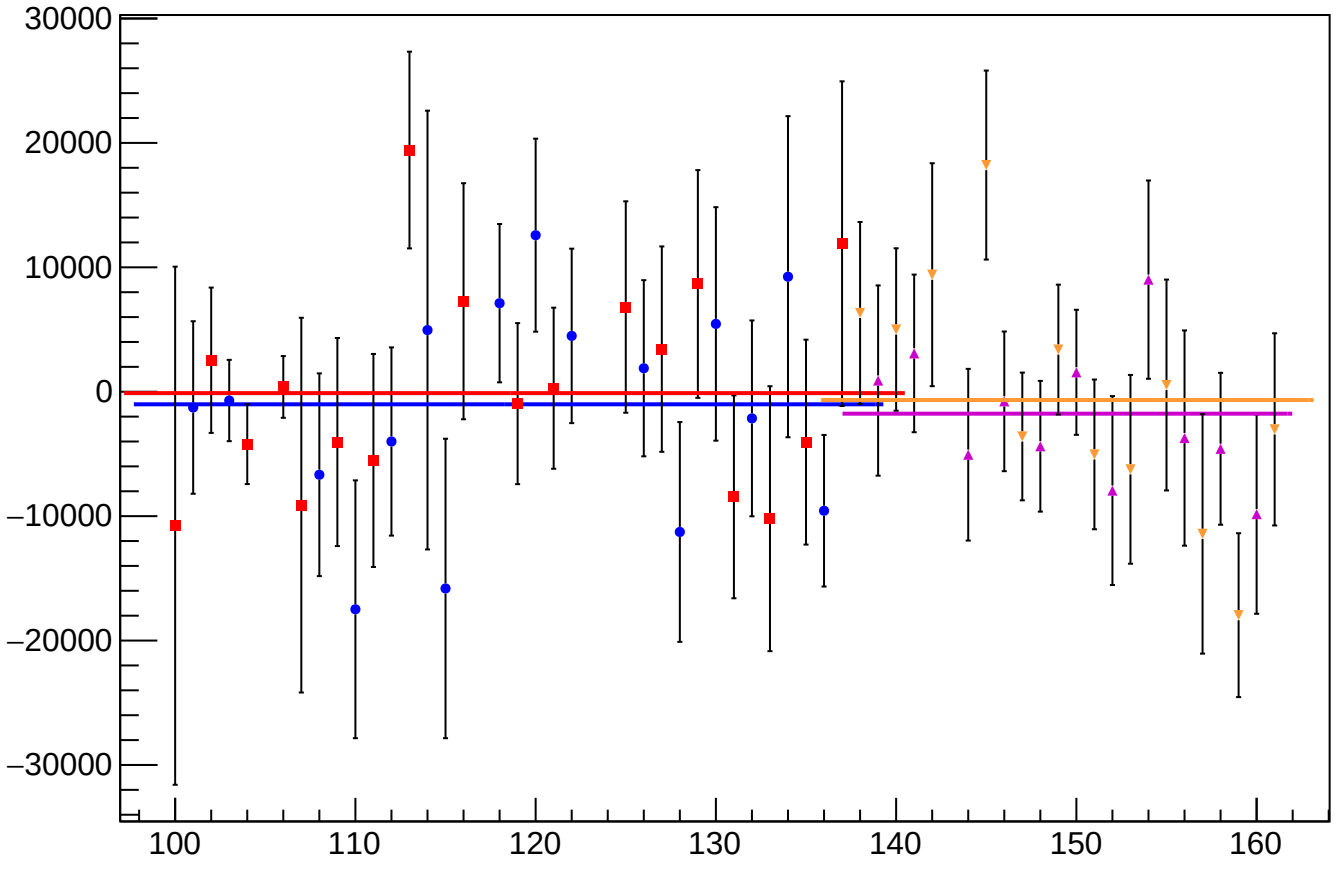
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1831.721+/-0.419 χ^2/NDF:7344.4/10

+ sign 1842.733+/-0.320 χ^2/NDF: 302270.3/27

All: 1841.515+/-0.226 χ^2/NDF: 412850.7/56

- sign 1840.304+/-0.319 χ^2/NDF: 110551.4/28



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -667.299+/-1975.824 χ^2/NDF:19.4/11

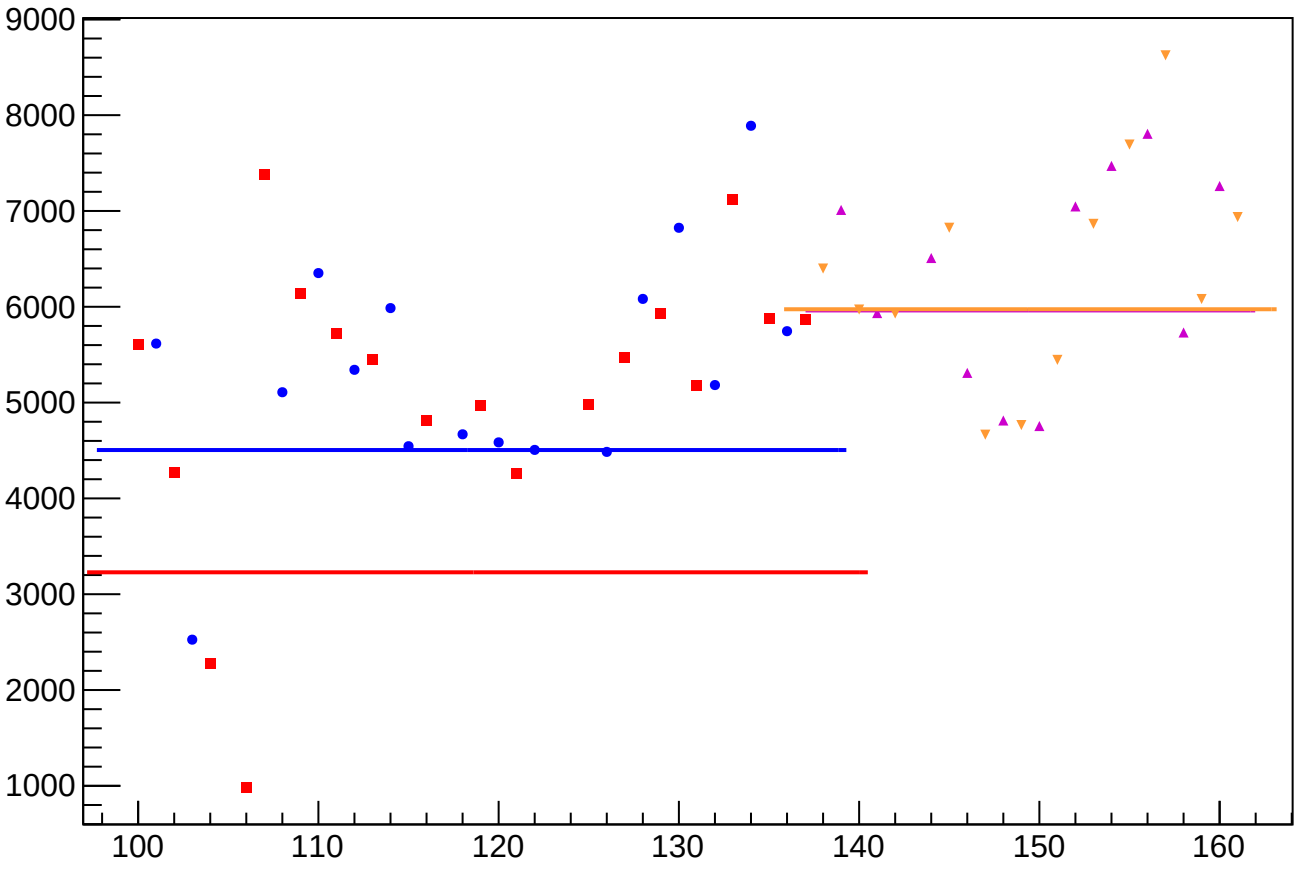
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -1763.584+/-1963.413 χ^2/NDF:5.4/10

+ sign -858.141+/-1315.951 χ^2/NDF: 34.1/27

All: -762.654+/-870.352 χ^2/NDF: 54.7/56

- sign -688.407+/-1160.398 χ^2/NDF: 20.5/28



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5974.211+/-1.397 χ^2/NDF:577737.6/11

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

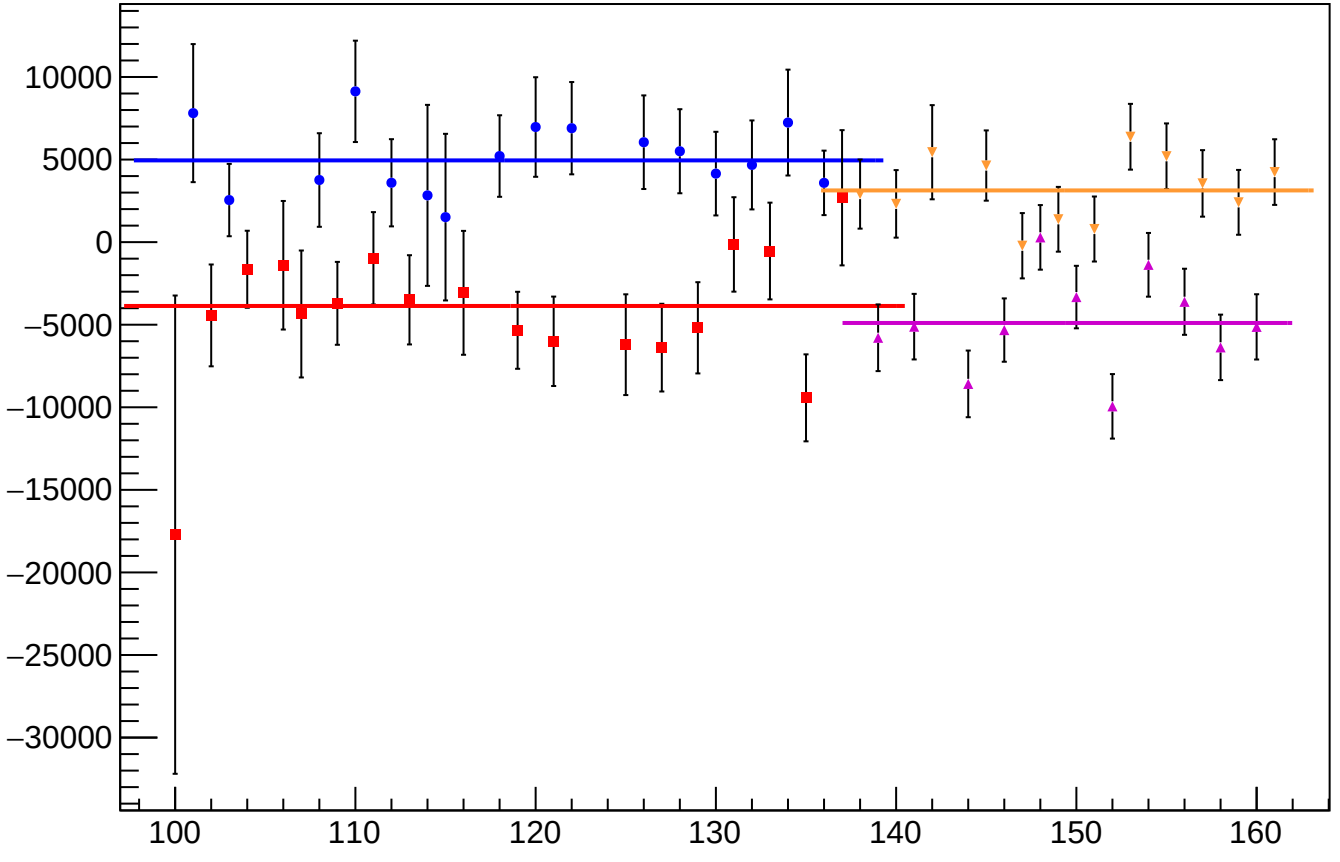
Left In: 5961.903+/-1.388 χ^2/NDF:546859.5/10

+ sign 5156.612+/-0.931 χ^2/NDF: 2514332.8/27

All: 4609.073+/-0.615 χ^2/NDF: 10155176.3/5

- sign 4183.328+/-0.821 χ^2/NDF: 7025376.7/28

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3131.432+/-592.358 χ^2/NDF:10.6/11

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

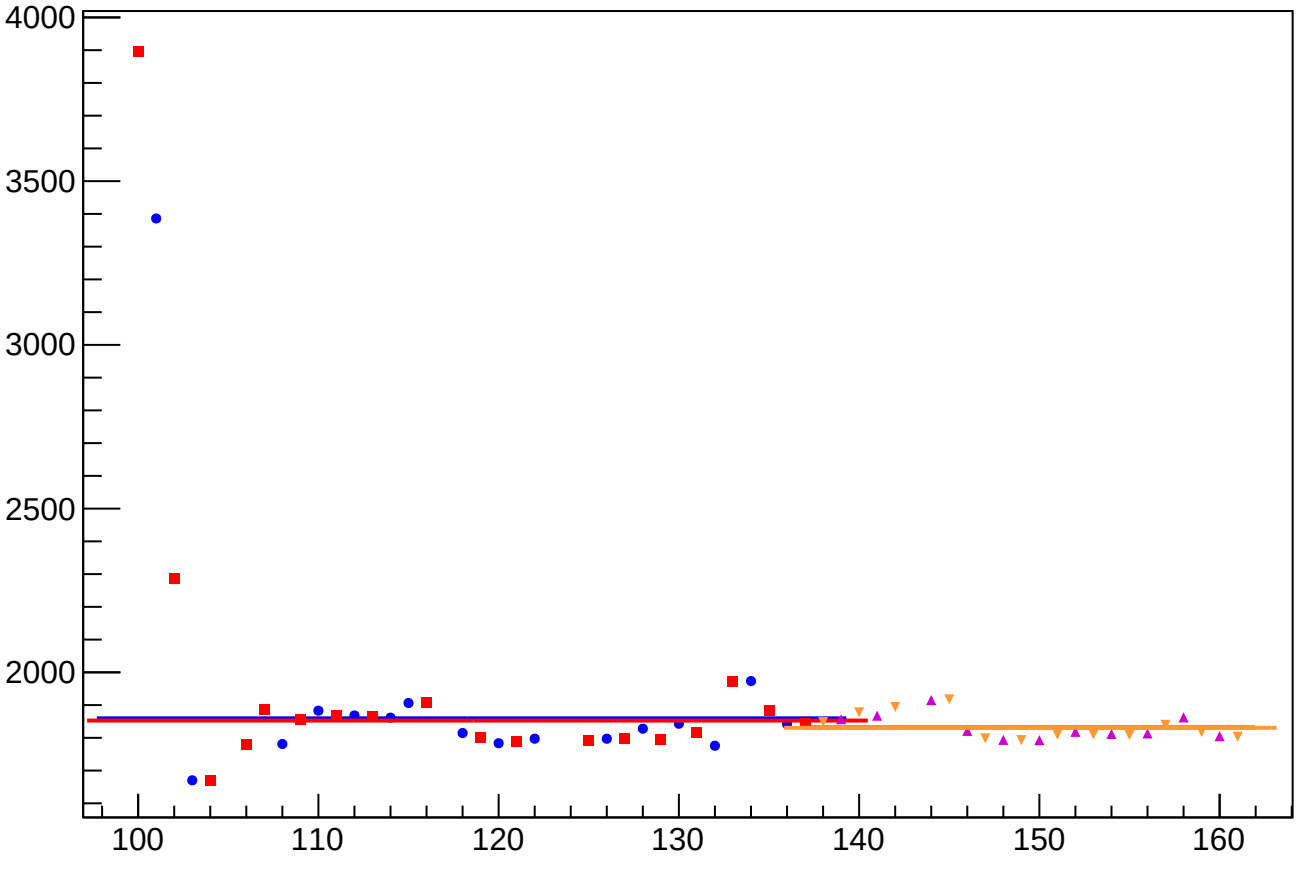
Left In: -4894.415+/-592.585 χ^2/NDF:22.3/10

+ sign 3891.566+/-451.895 χ^2/NDF: 21.4/27

All: -292.016+/-319.270 χ^2/NDF: 232.3/56

- sign -4461.606+/-451.139 χ^2/NDF: 39.7/28

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1830.683+/-0.419 χ^2/NDF:7955.8/11

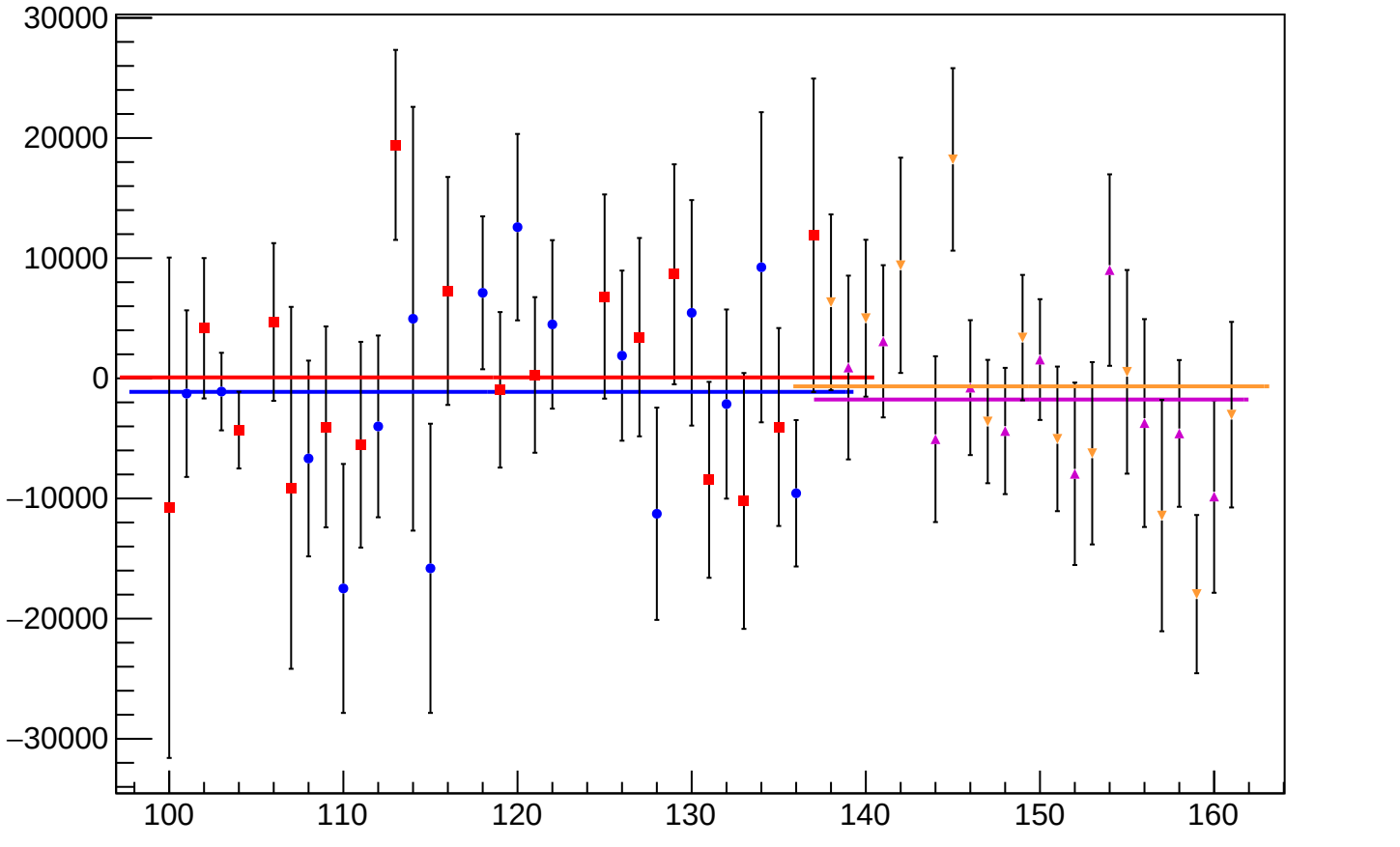
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1831.721+/-0.419 χ^2/NDF:7344.4/10

+ sign 1842.733+/-0.320 χ^2/NDF: 302272.2/27

All: 1841.663+/-0.226 χ^2/NDF: 412453.7/56

- sign 1840.598+/-0.319 χ^2/NDF: 110159.2/28



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -667.402+/-1975.823 χ^2/NDF:19.4/11

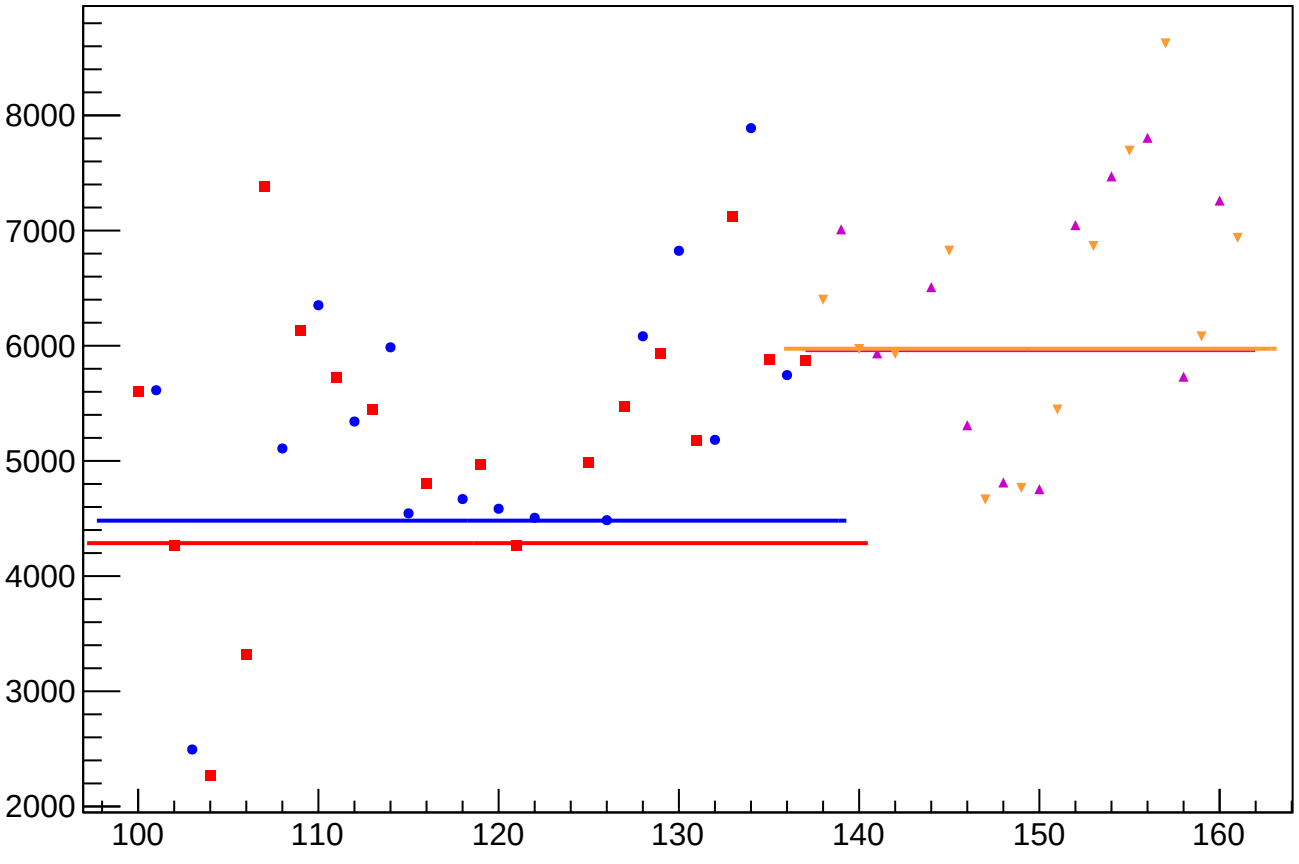
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -1763.743+/-1963.413 χ^2/NDF:5.4/10

+ sign -923.138+/-1313.328 χ^2/NDF: 34.1/27

All: -815.506+/-918.941 χ^2/NDF: 55.6/56

- sign -712.266+/-1286.253 χ^2/NDF: 21.5/28



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5974.208+/-1.397 χ^2/NDF:577745.2/11

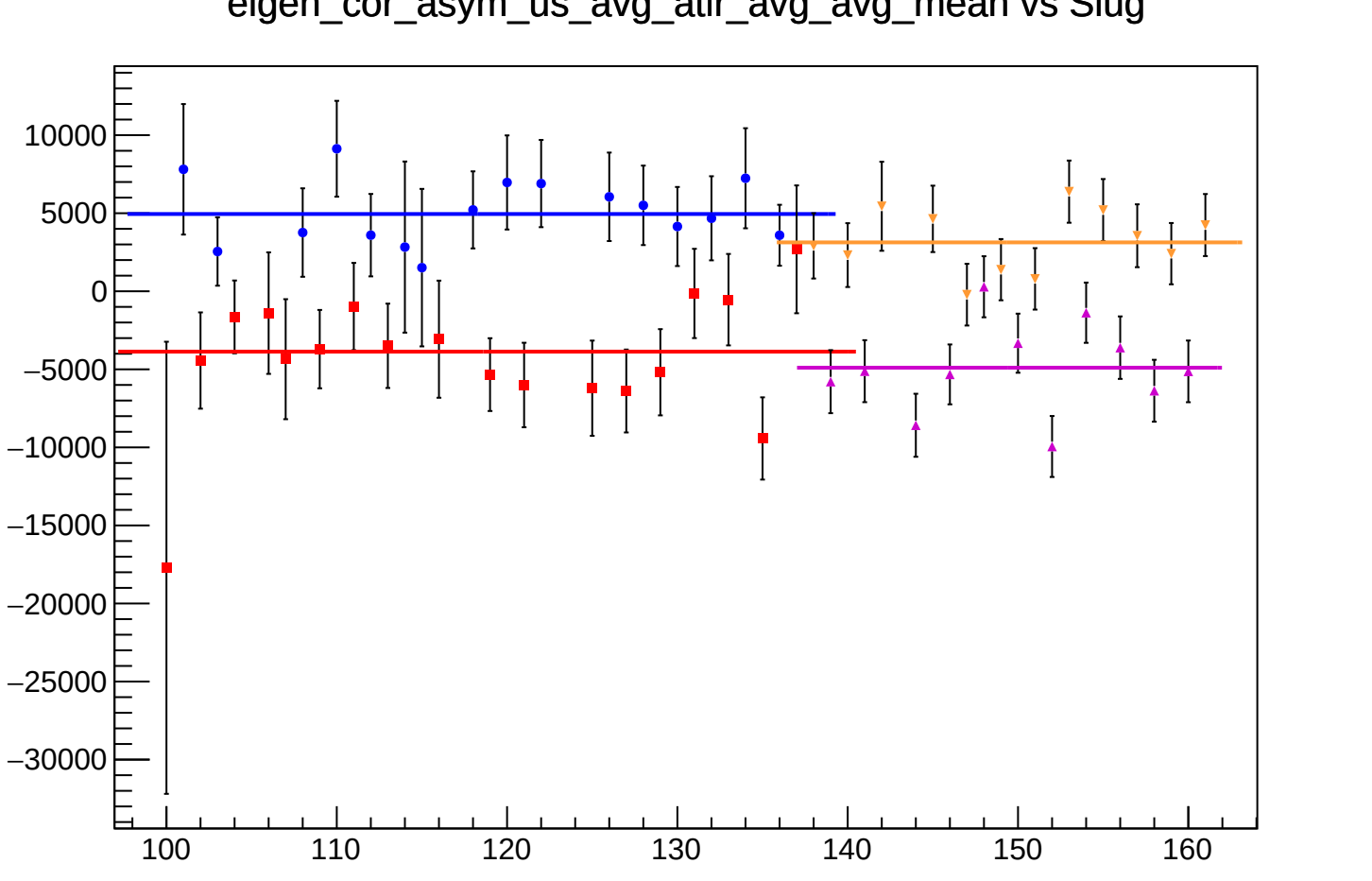
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5961.903+/-1.388 χ^2/NDF:546866.8/10

+ sign 5141.026+/-0.929 χ^2/NDF: 2577152.4/27

All: 5071.759+/-0.650 χ^2/NDF: 5516432.8/56

- sign 5005.318+/-0.910 χ^2/NDF: 2928380.6/28



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3131.432+/-592.358 χ^2/NDF:10.6/11

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

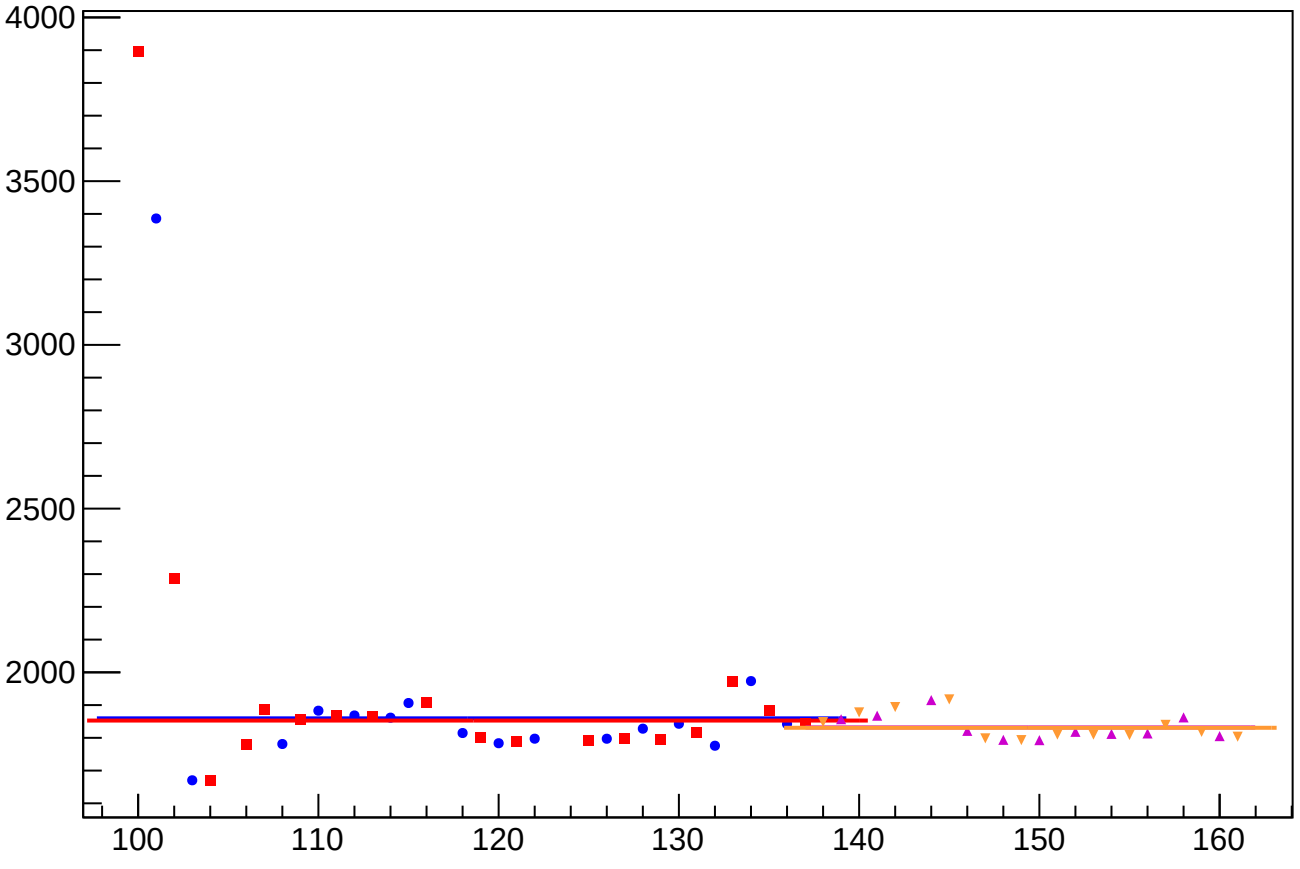
Left In: -4894.415+/-592.585 χ^2/NDF:22.3/10

+ sign 3891.566+/-451.895 χ^2/NDF: 21.4/27

All: -292.016+/-319.270 χ^2/NDF: 232.3/56

- sign -4461.606+/-451.139 χ^2/NDF: 39.7/28

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: 1830.683+/-0.419 χ^2/NDF:7955.8/11

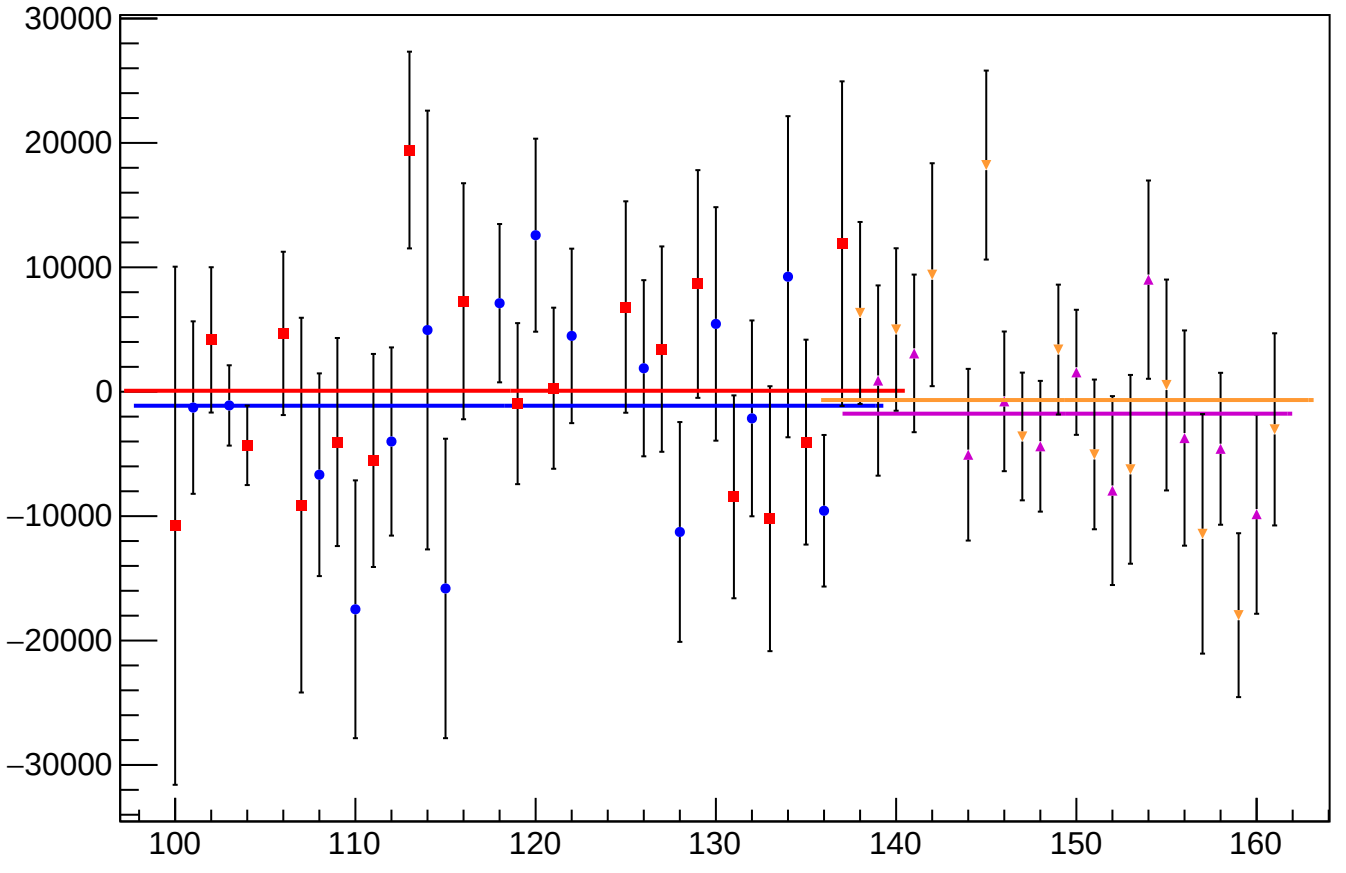
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1831.721+/-0.419 χ^2/NDF:7344.4/10

+ sign 1842.733+/-0.320 χ^2/NDF: 302272.2/27

All: 1841.663+/-0.226 χ^2/NDF: 412453.7/56

- sign 1840.598+/-0.319 χ^2/NDF: 110159.2/28



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -667.402+/-1975.823 χ^2/NDF:19.4/11

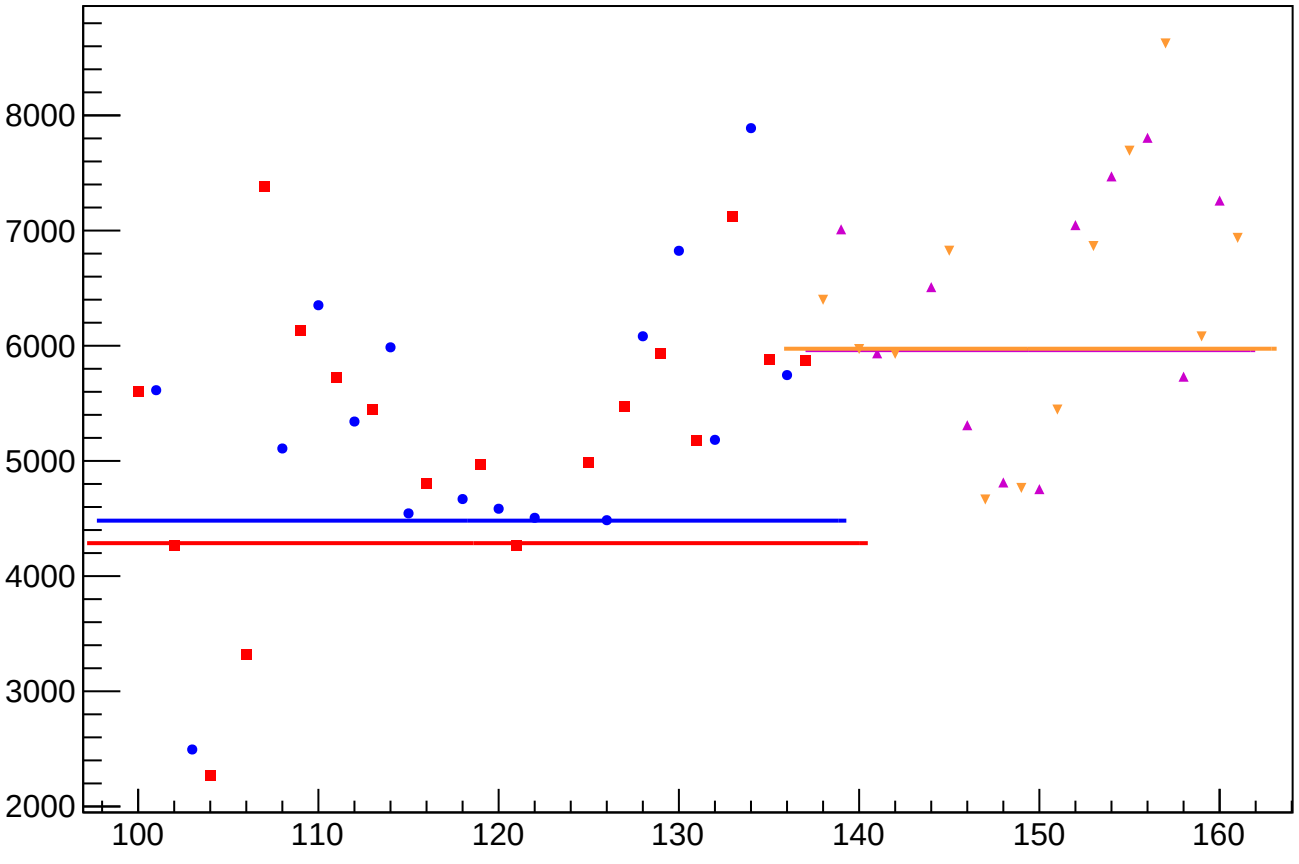
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -1763.743+/-1963.413 χ^2/NDF:5.4/10

+ sign -923.138+/-1313.328 χ^2/NDF: 34.1/27

All: -815.506+/-918.941 χ^2/NDF: 55.6/56

- sign -712.266+/-1286.253 χ^2/NDF: 21.5/28



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5974.208+/-1.397 χ^2/NDF:577745.2/11

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

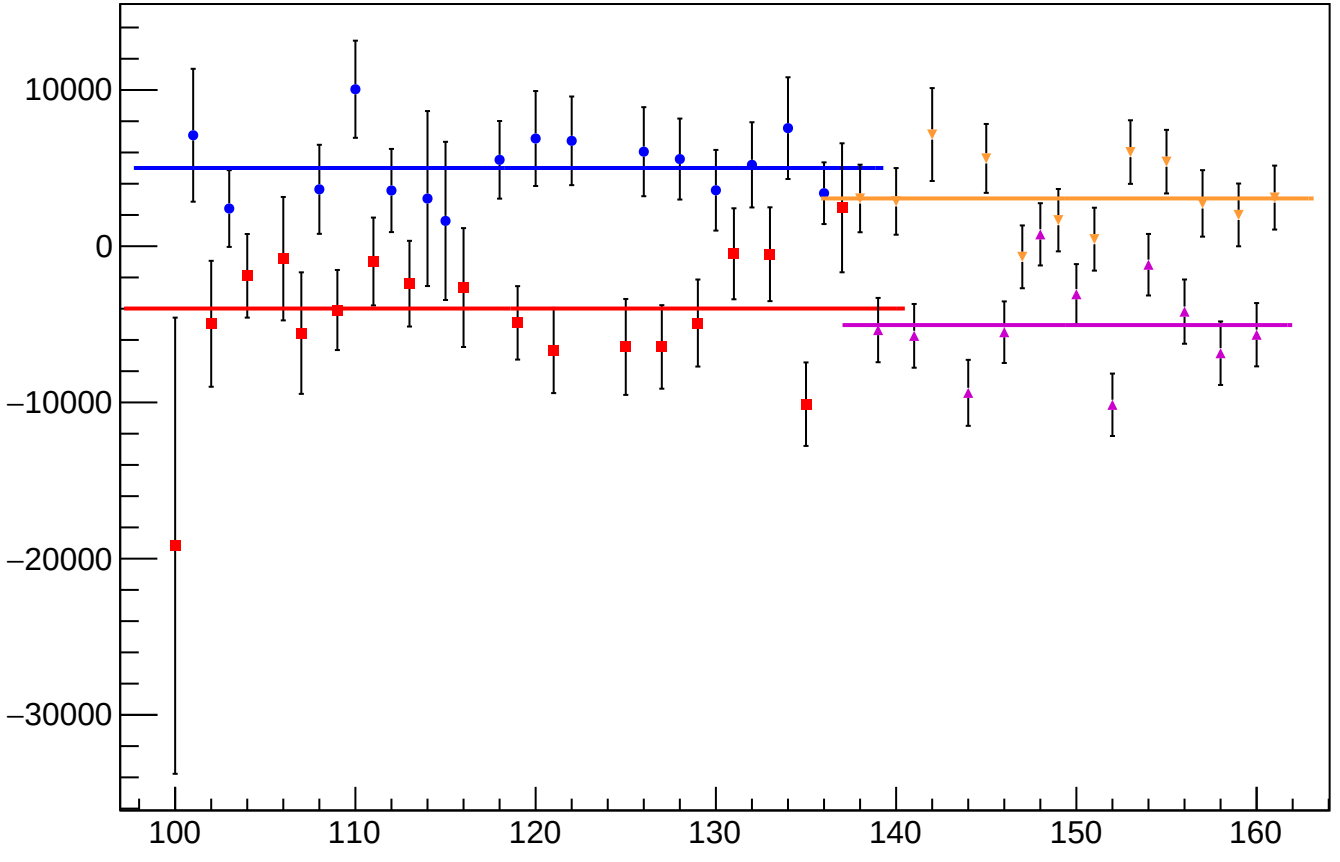
Left In: 5961.903+/-1.388 χ^2/NDF:546866.8/10

+ sign 5141.026+/-0.929 χ^2/NDF: 2577152.4/27

All: 5071.759+/-0.650 χ^2/NDF: 5516432.8/56

- sign 5005.318+/-0.910 χ^2/NDF: 2928380.6/28

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3057.261+/-610.025 χ^2/NDF:12.6/11

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

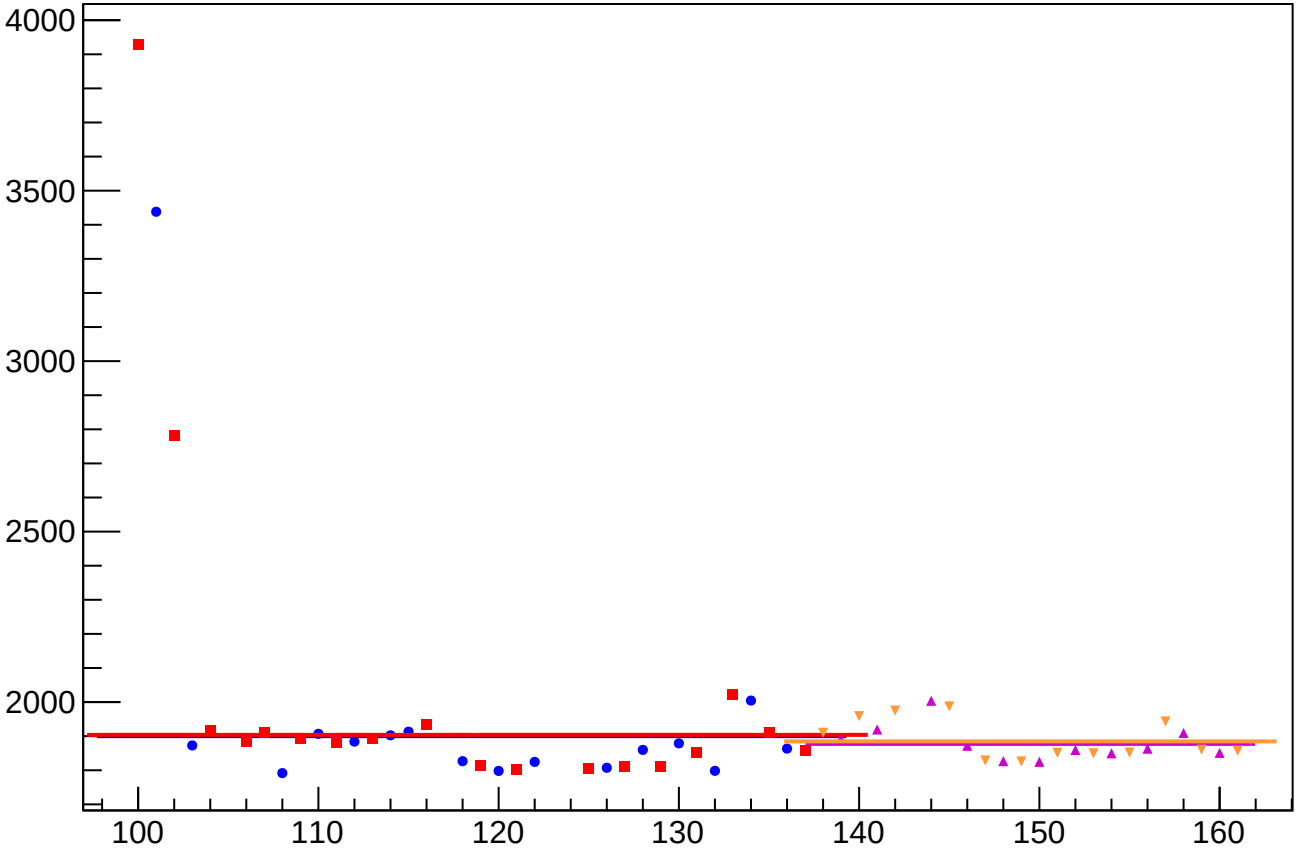
Left In: -5048.038+/-607.497 χ^2/NDF:25.4/10

\+ sign 3880.008+/-463.815 χ^2/NDF: 24.6/27

All: -361.415+/-328.048 χ^2/NDF: 236.0/56

\- sign -4607.013+/-464.044 χ^2/NDF: 44.0/28

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1884.659+/-0.431 χ^2/NDF:15961.7/11

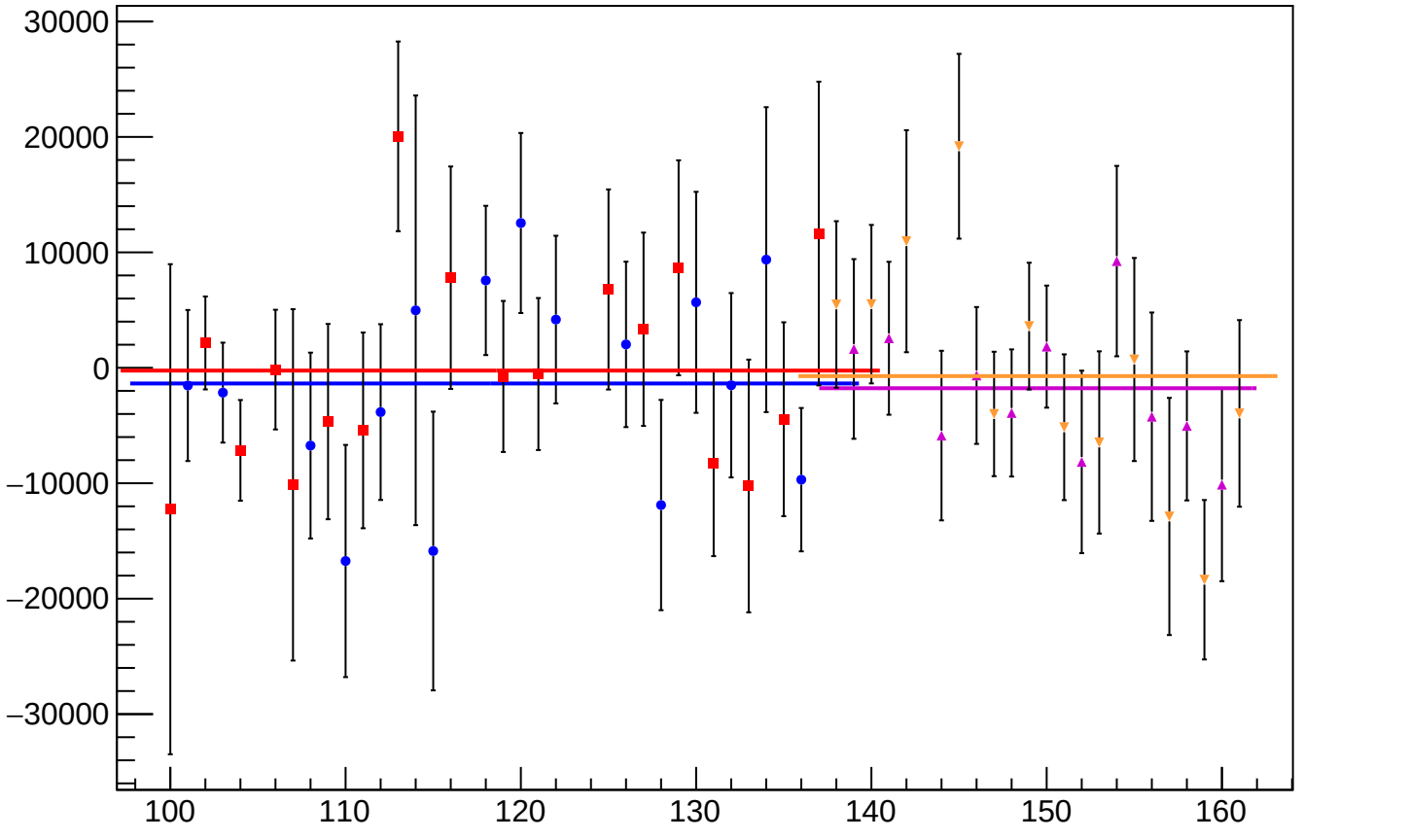
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1877.423+/-0.430 χ^2/NDF:12395.0/10

+ sign 1891.179+/-0.328 χ^2/NDF: 294951.3/27

All: 1889.807+/-0.232 χ^2/NDF: 459072.8/56

- sign 1888.435+/-0.328 χ^2/NDF: 164086.5/28



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -718.308+/-2066.067 χ^2/NDF:19.4/11

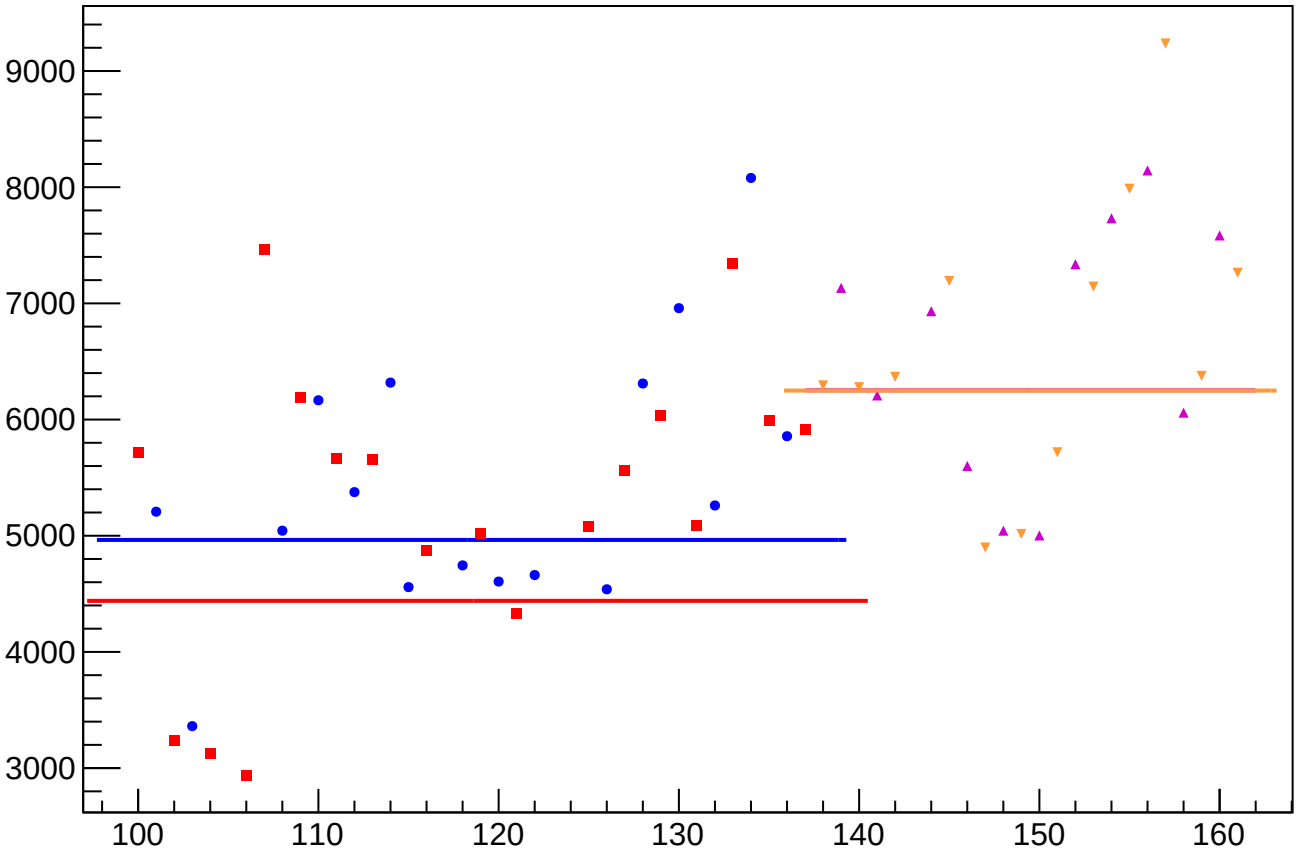
Right Out: -241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: -1768.455+/-2057.042 χ^2/NDF:5.3/10

+ sign -1064.811+/-1396.931 χ^2/NDF: 34.1/27

All: -959.728+/-957.962 χ^2/NDF: 55.5/56

- sign -866.441+/-1316.196 χ^2/NDF: 21.4/28



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6249.542+/-1.461 χ^2/NDF:573940.1/11

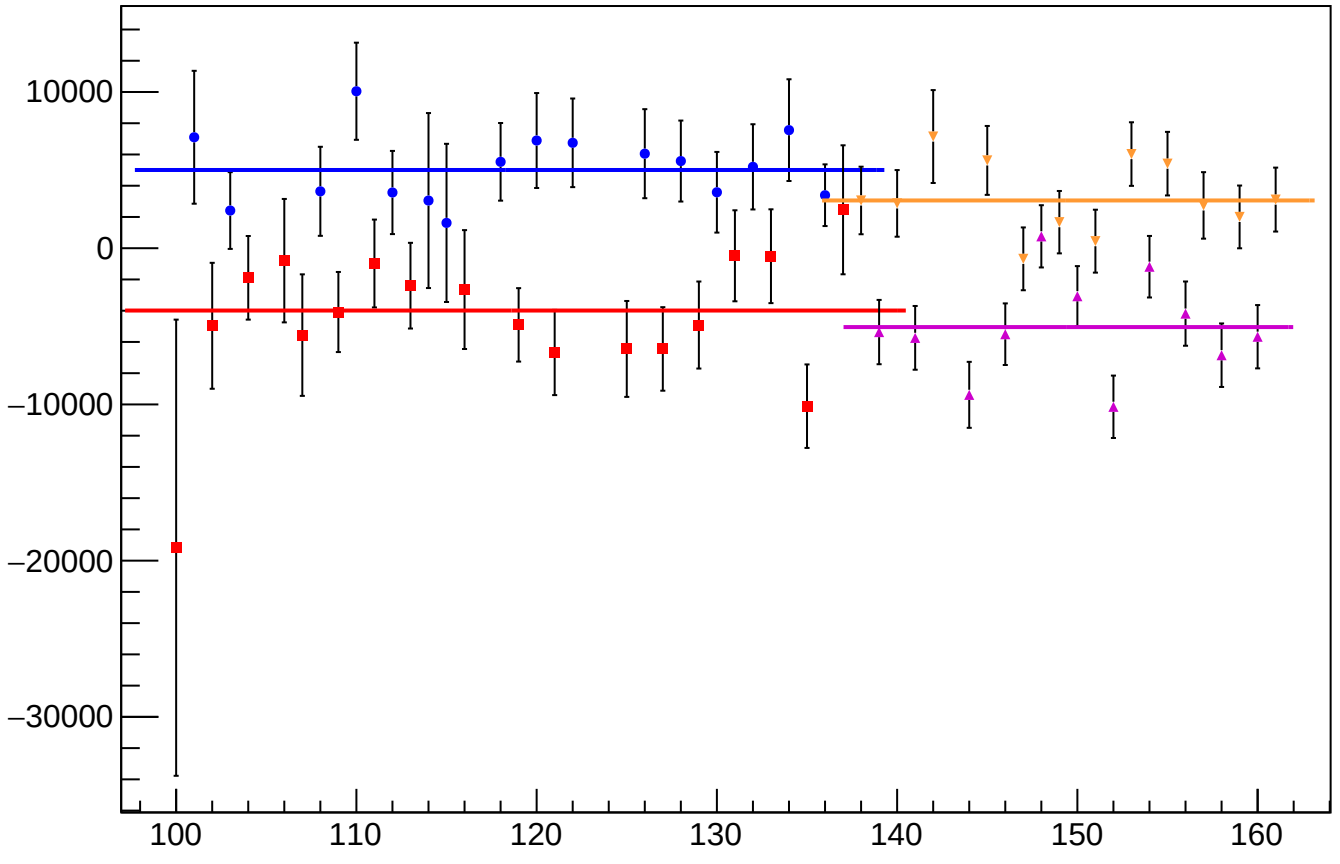
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6251.706+/-1.455 χ^2/NDF:517627.9/10

+ sign 5551.688+/-0.988 χ^2/NDF: 1621649.0/27

All: 5355.605+/-0.677 χ^2/NDF: 4288741.0/56

- sign 5181.533+/-0.931 χ^2/NDF: 2592704.3/28



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3057.252+/-610.025 χ^2/NDF:12.6/11

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

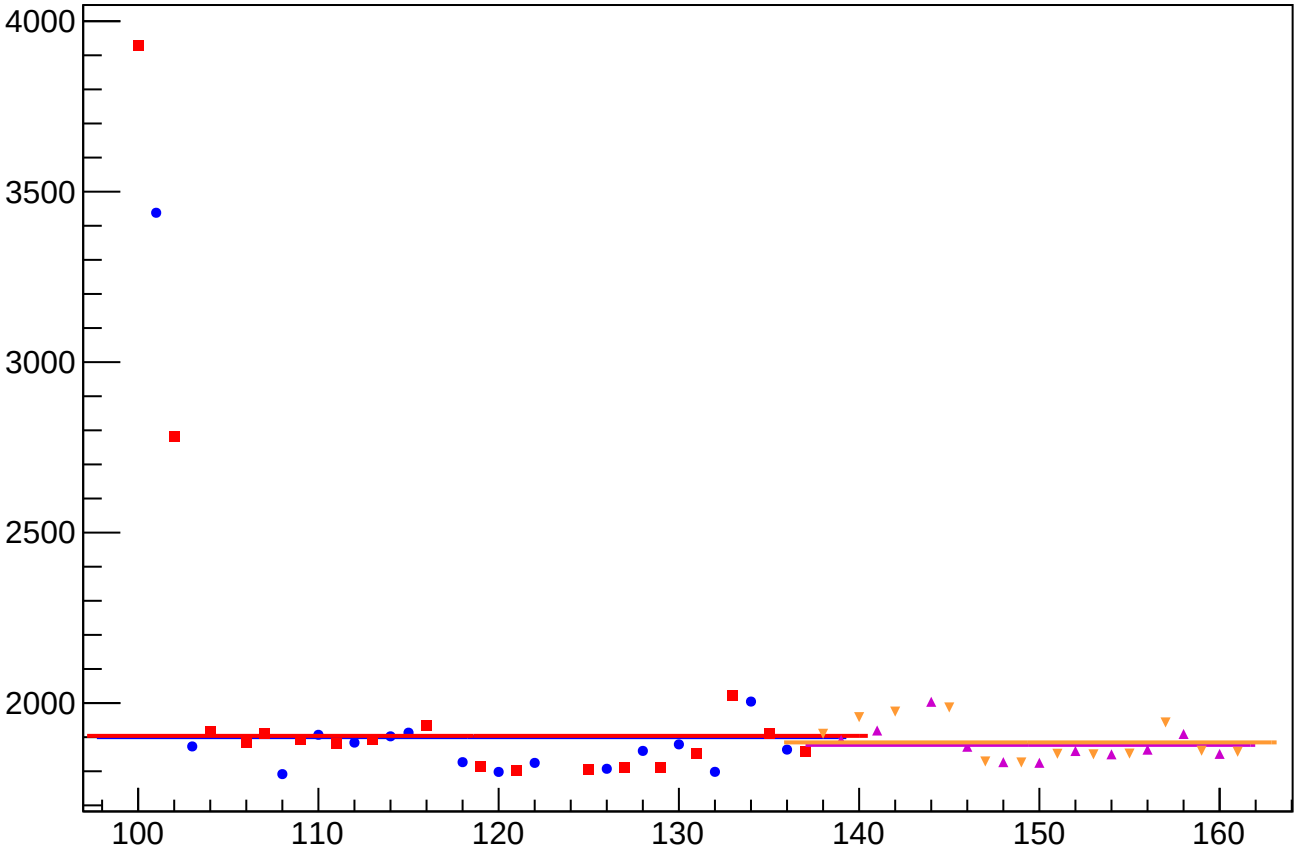
Left In: -5048.040+/-607.497 χ^2/NDF:25.4/10

+ sign 3880.003+/-463.816 χ^2/NDF: 24.6/27

All: -361.418+/-328.048 χ^2/NDF: 236.0/56

- sign -4607.013+/-464.044 χ^2/NDF: 44.0/28

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: 1884.661+/-0.431 χ^2/NDF:15961.9/11

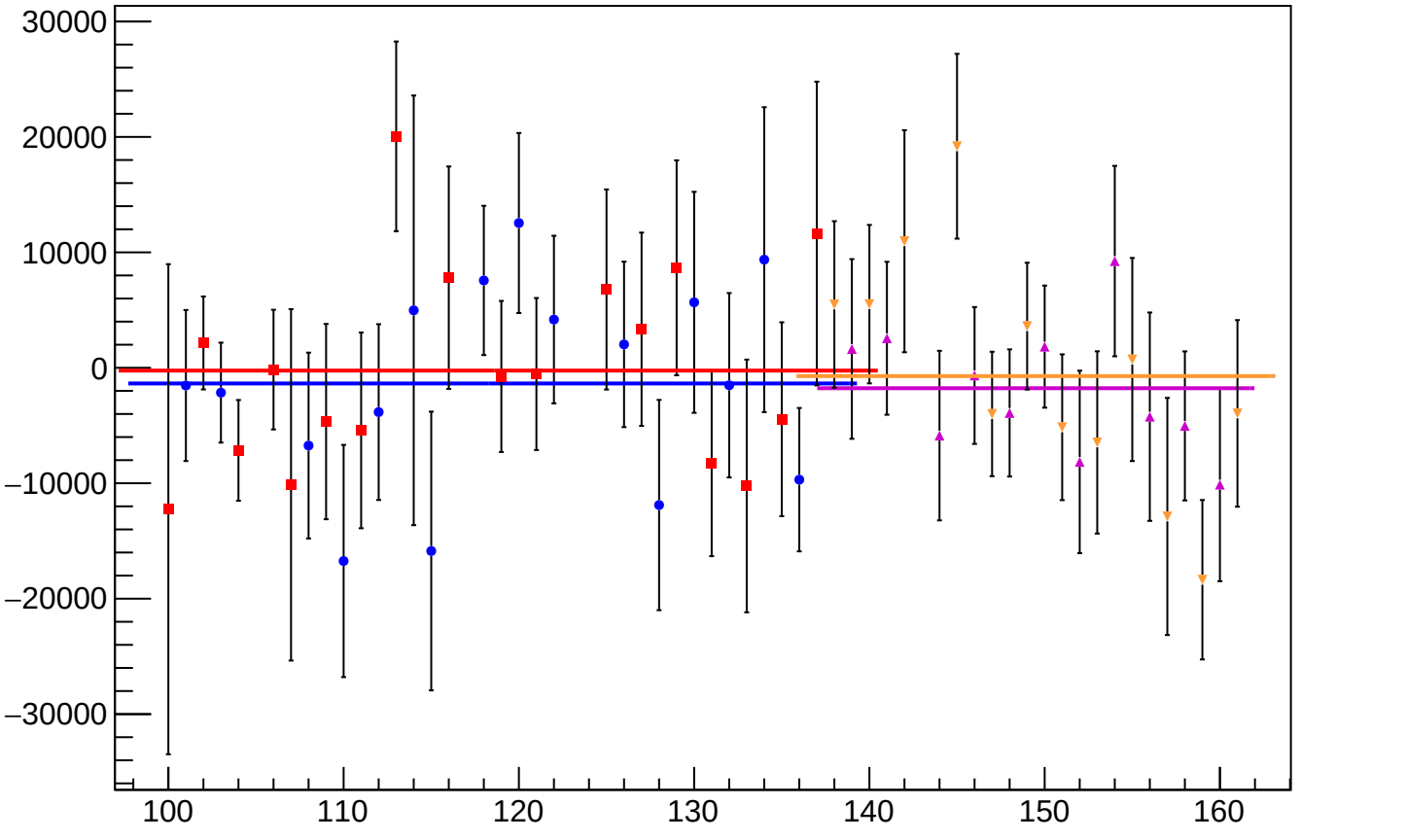
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1877.424+/-0.430 χ^2/NDF:12395.1/10

+ sign 1891.179+/-0.328 χ^2/NDF: 294951.7/27

All: 1889.807+/-0.232 χ^2/NDF: 459072.3/56

- sign 1888.435+/-0.328 χ^2/NDF: 164085.7/28



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: -718.315+/-2066.070 χ^2/NDF:19.4/11

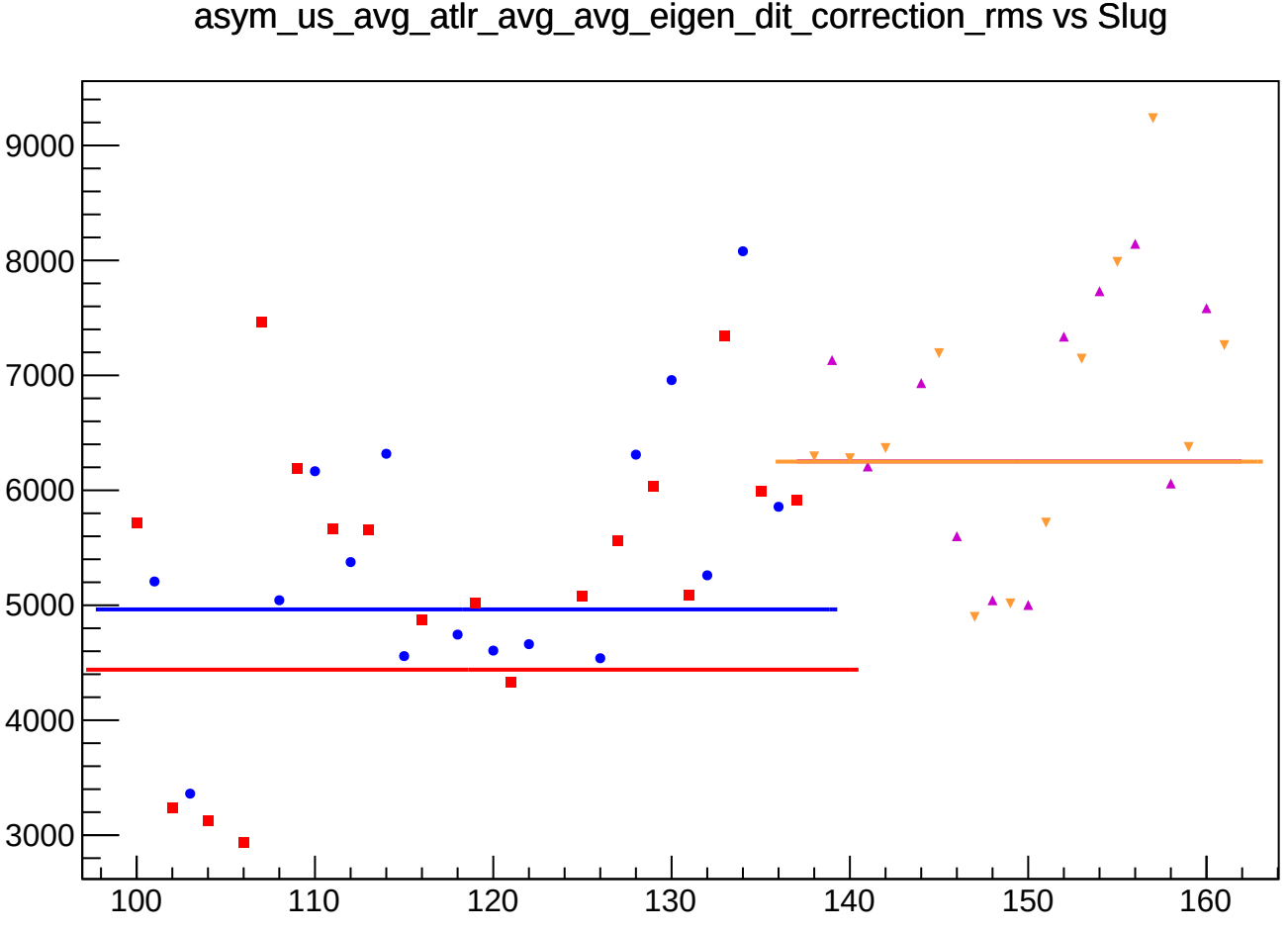
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -1768.456+/-2057.045 χ^2/NDF:5.3/10

+ sign -1064.810+/-1396.930 χ^2/NDF: 34.1/27

All: -959.727+/-957.961 χ^2/NDF: 55.5/56

- sign -866.439+/-1316.195 χ^2/NDF: 21.4/28



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6249.550+/-1.461 χ^2/NDF:573941.4/11

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

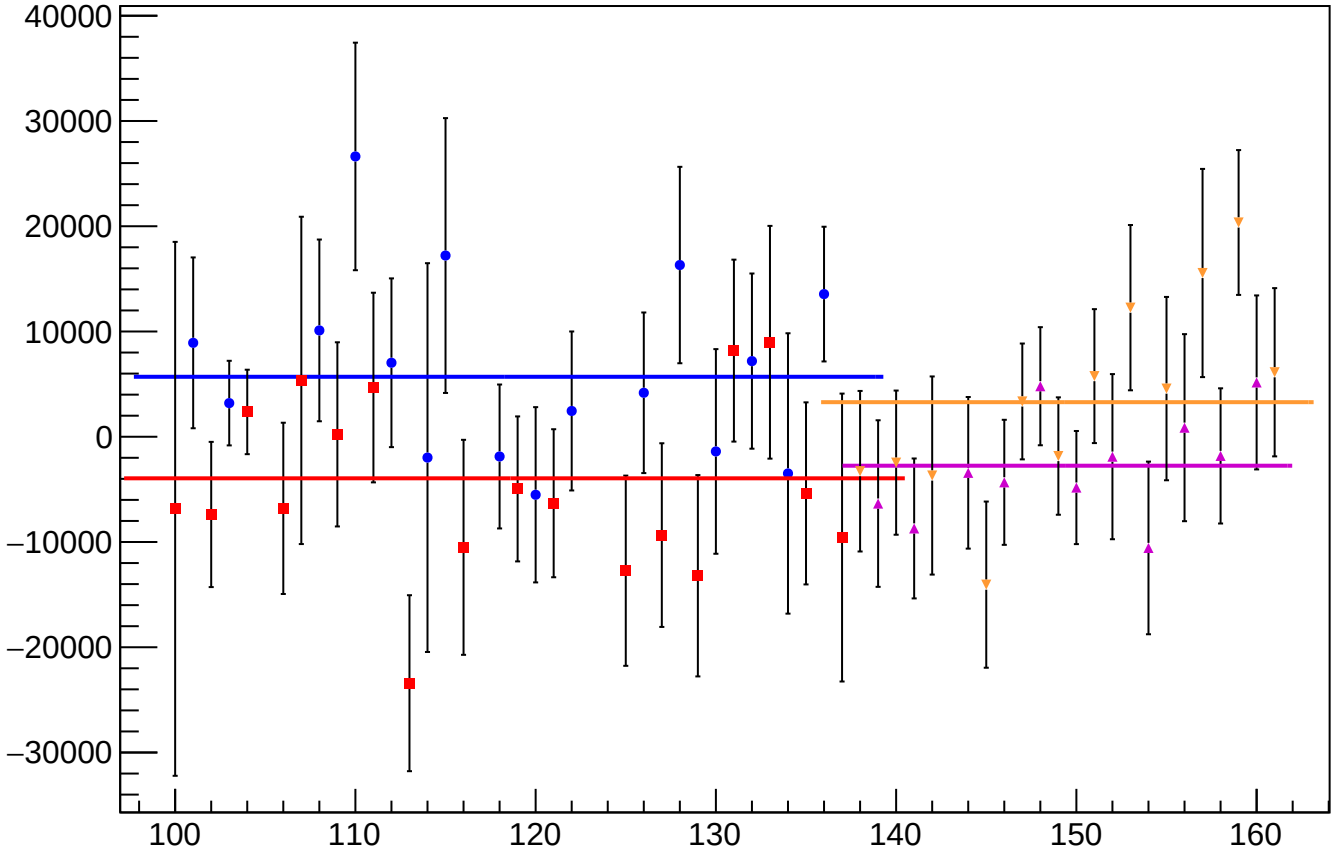
Left In: 6251.715+/-1.455 χ^2/NDF:517628.4/10

+ sign 5551.682+/-0.988 χ^2/NDF: 1621667.4/27

All: 5355.599+/-0.677 χ^2/NDF: 4288780.8/56

- sign 5181.526+/-0.931 χ^2/NDF: 2592725.1/28

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3284.881+/-2075.624 χ^2/NDF:17.0/11

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

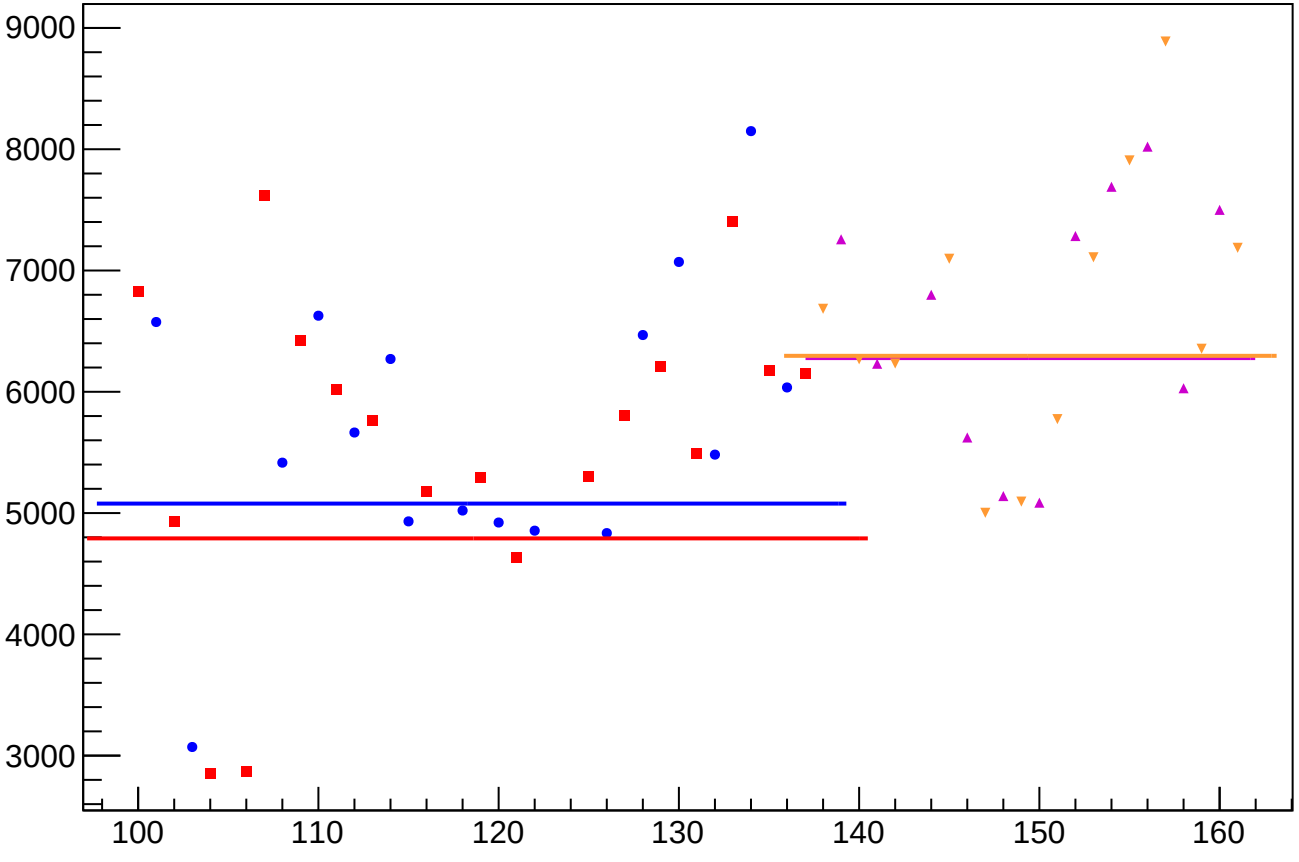
Left In: -2751.586+/-2061.679 χ^2/NDF:5.1/10

+ sign 4560.590+/-1424.750 χ^2/NDF: 30.3/27

All: 529.176+/-1000.500 χ^2/NDF: 67.5/56

- sign -3392.877+/-1405.293 χ^2/NDF: 21.4/28

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6296.557+/-1.468 χ^2/NDF:495023.8/11

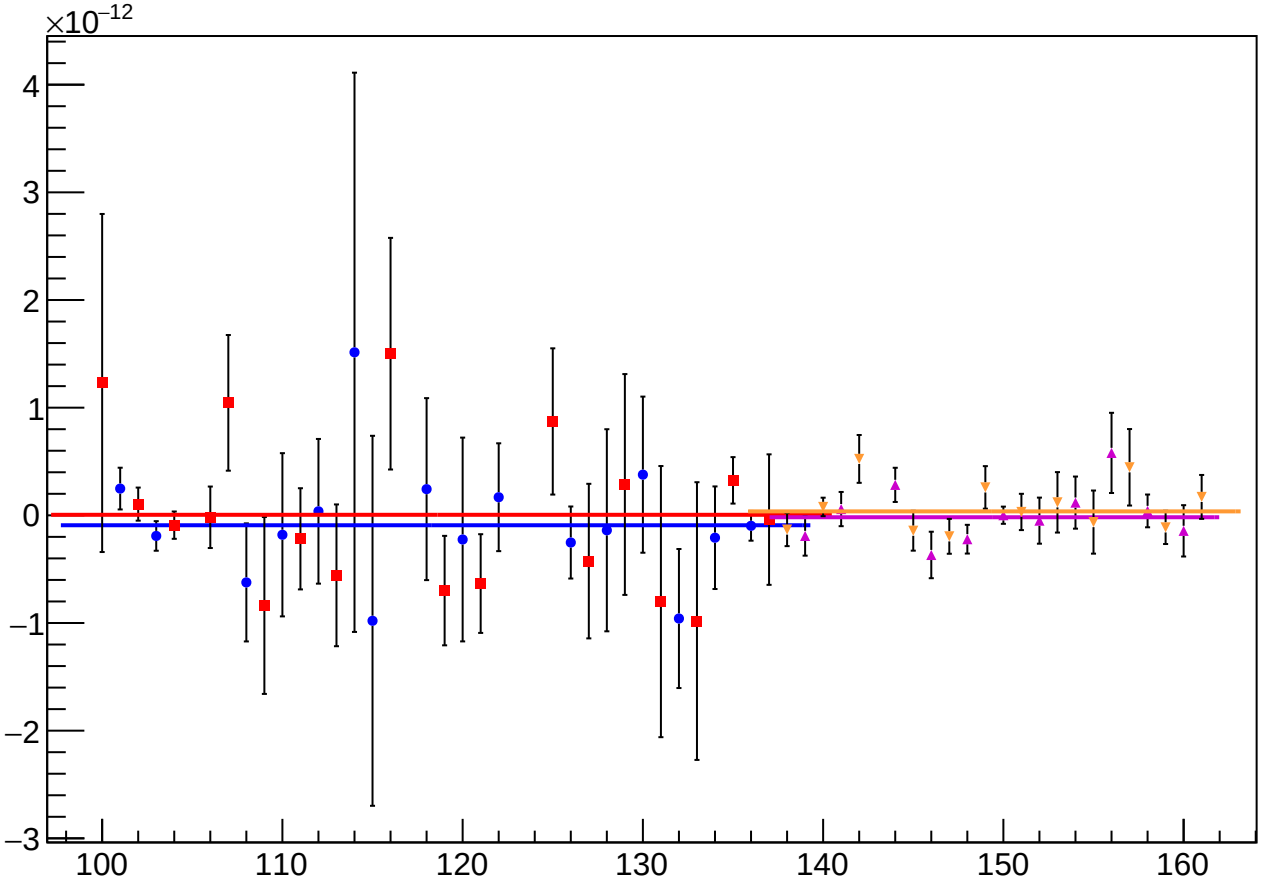
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6277.868+/-1.458 χ^2/NDF:462178.0/10

+ sign 5652.224+/-1.007 χ^2/NDF: 1778679.4/27

All: 5557.258+/-0.704 χ^2/NDF: 3987980.4/56

- sign 5466.876+/-0.983 χ^2/NDF: 2191958.3/28



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/11

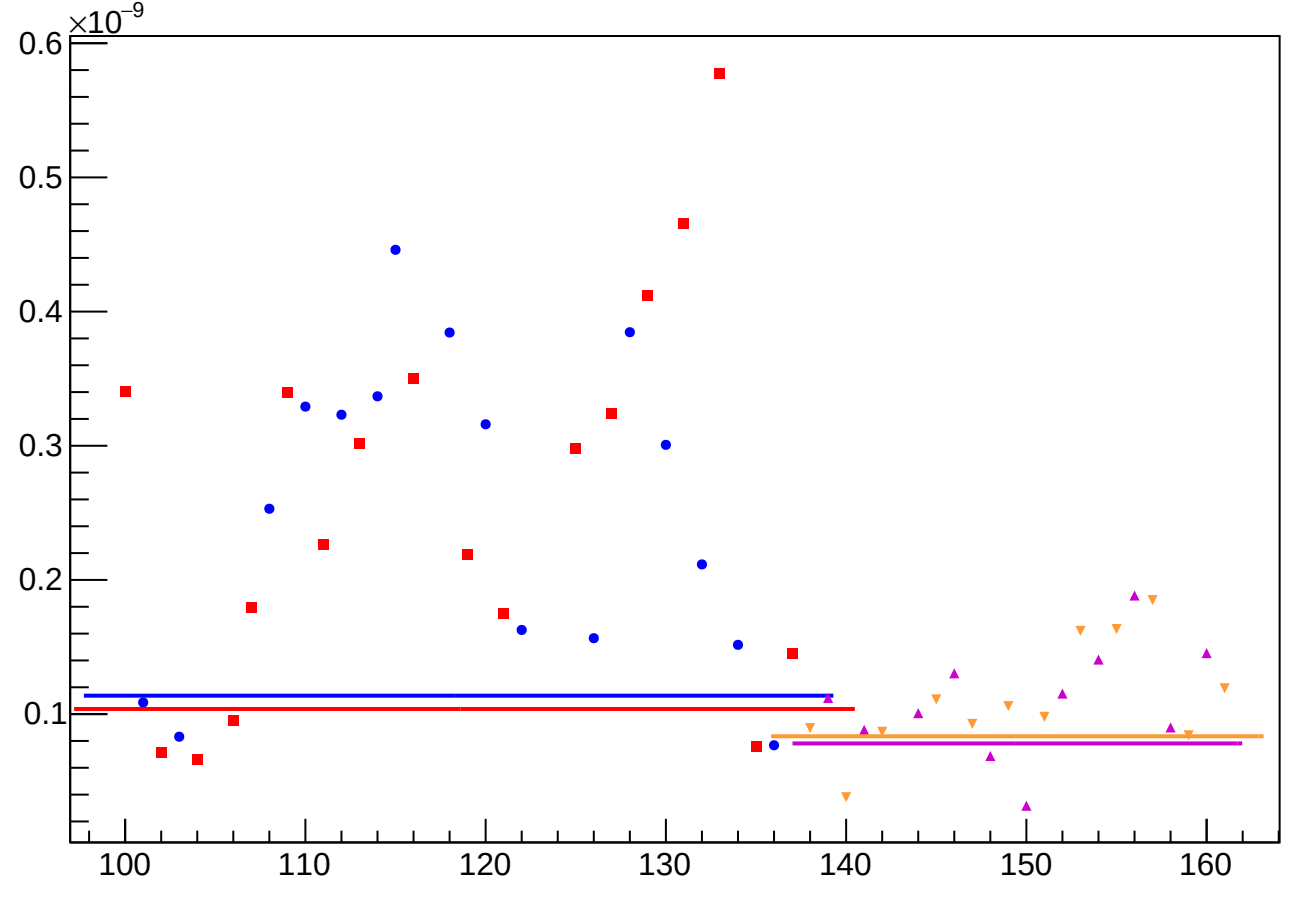
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:13.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 23.6/27

All: -0.000+/-0.000 χ^2/NDF: 54.2/56

- sign -0.000+/-0.000 χ^2/NDF: 30.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1185891.6/11

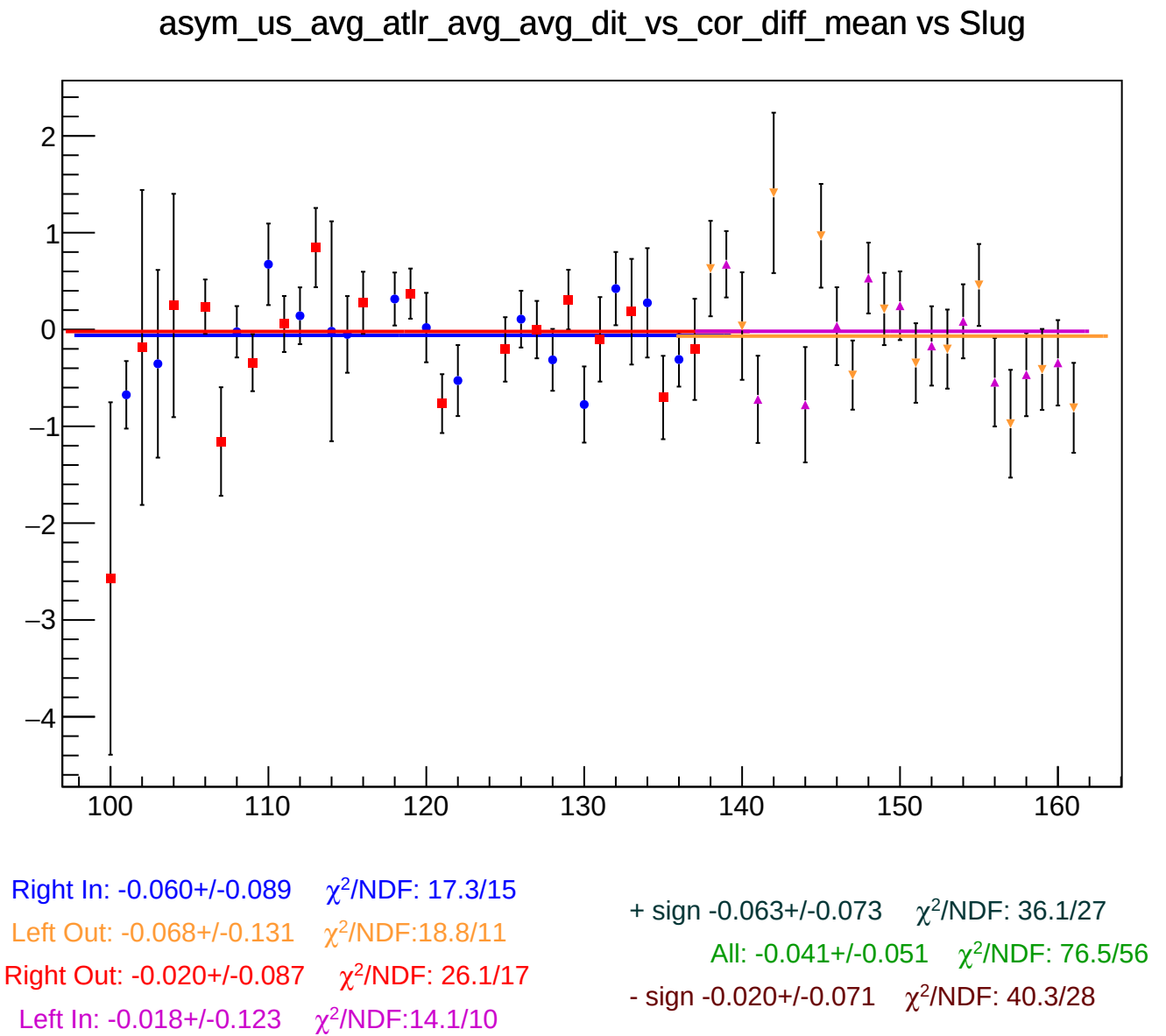
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1460722.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 2928476.6/27

All: 0.000+/-0.000 χ^2/NDF: 6666557.9/56

- sign 0.000+/-0.000 χ^2/NDF: 3709836.1/28



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.068+/-0.131 χ^2/NDF:18.8/11

Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

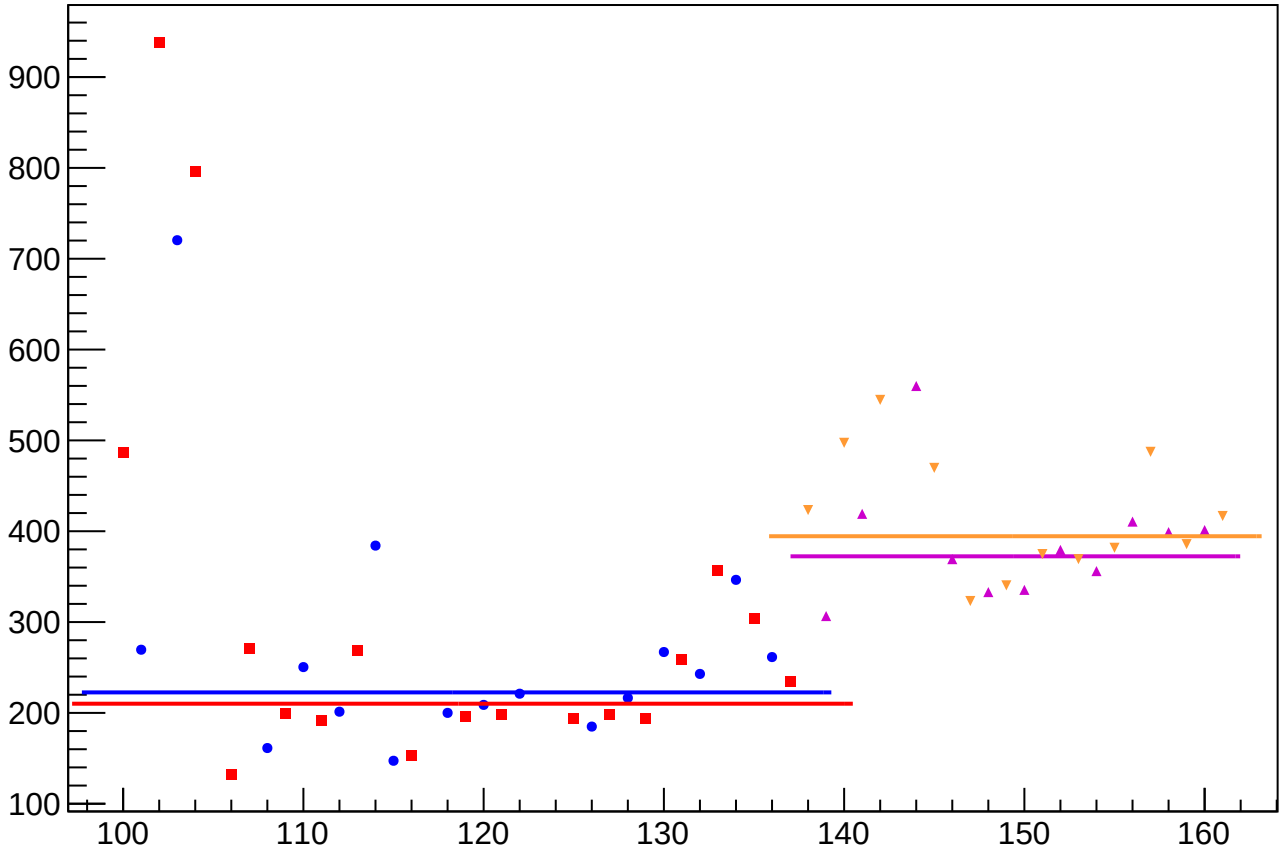
Left In: -0.018+/-0.123 χ^2/NDF:14.1/10

+ sign -0.063+/-0.073 χ^2/NDF: 36.1/27

All: -0.041+/-0.051 χ^2/NDF: 76.5/56

- sign -0.020+/-0.071 χ^2/NDF: 40.3/28

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 394.496+/-0.093 χ^2/NDF:377355.5/11

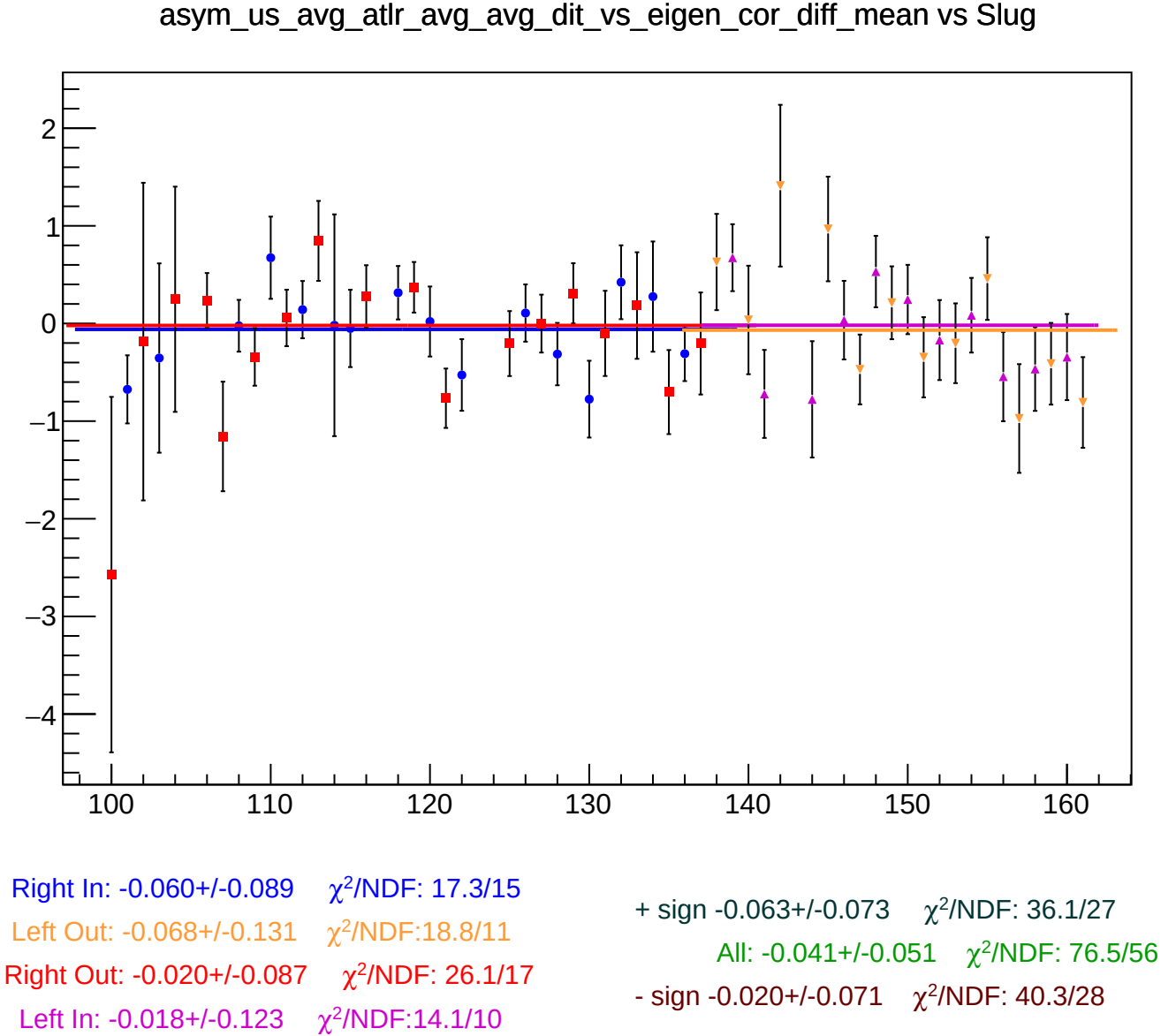
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

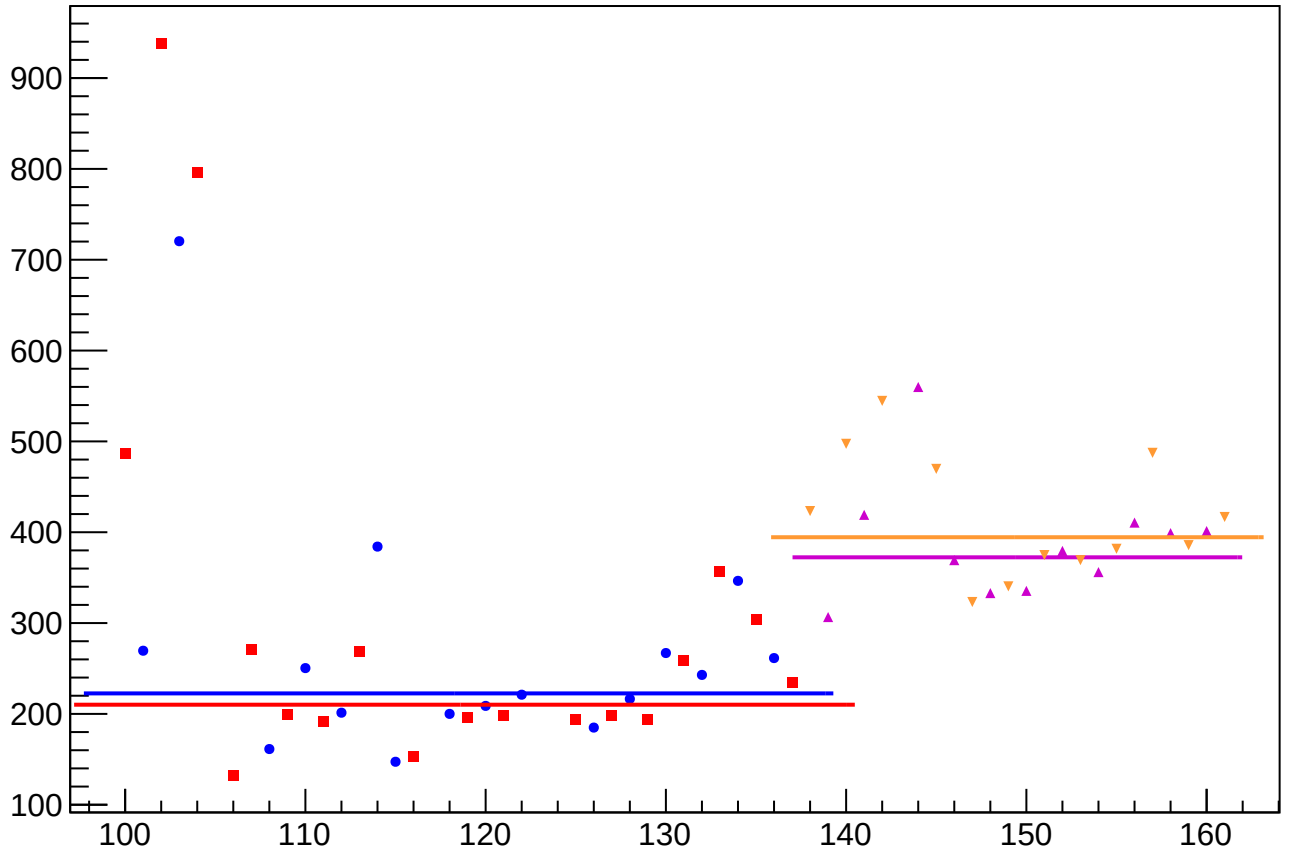
Left In: 372.382+/-0.087 χ^2/NDF:372664.9/10

+ sign 276.655+/-0.052 χ^2/NDF: 3762203.0/27

All: 270.411+/-0.036 χ^2/NDF: 8021033.4/56

- sign 264.522+/-0.050 χ^2/NDF: 4230708.2/28


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.068+/-0.131 χ²/NDF:18.8/11
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: -0.018+/-0.123 χ²/NDF:14.1/10
+ sign -0.063+/-0.073 χ²/NDF: 36.1/27
All: -0.041+/-0.051 χ²/NDF: 76.5/56
- sign -0.020+/-0.071 χ²/NDF: 40.3/28



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 394.496+/-0.093 χ^2/NDF:377355.5/11

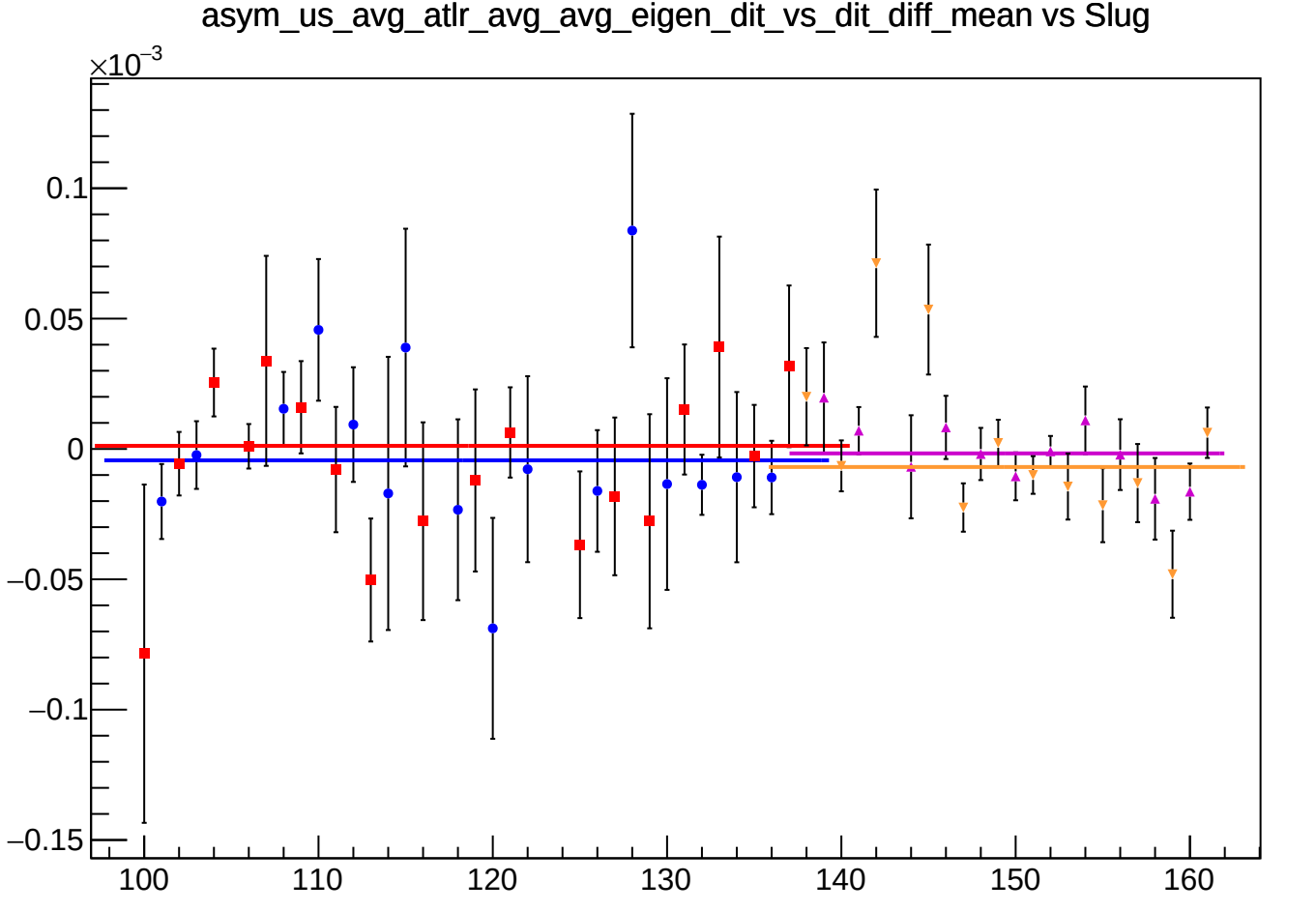
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 372.382+/-0.087 χ^2/NDF:372664.9/10

+ sign 276.655+/-0.052 χ^2/NDF: 3762203.0/27

All: 270.411+/-0.036 χ^2/NDF: 8021033.4/56

- sign 264.522+/-0.050 χ^2/NDF: 4230708.2/28



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.2/11

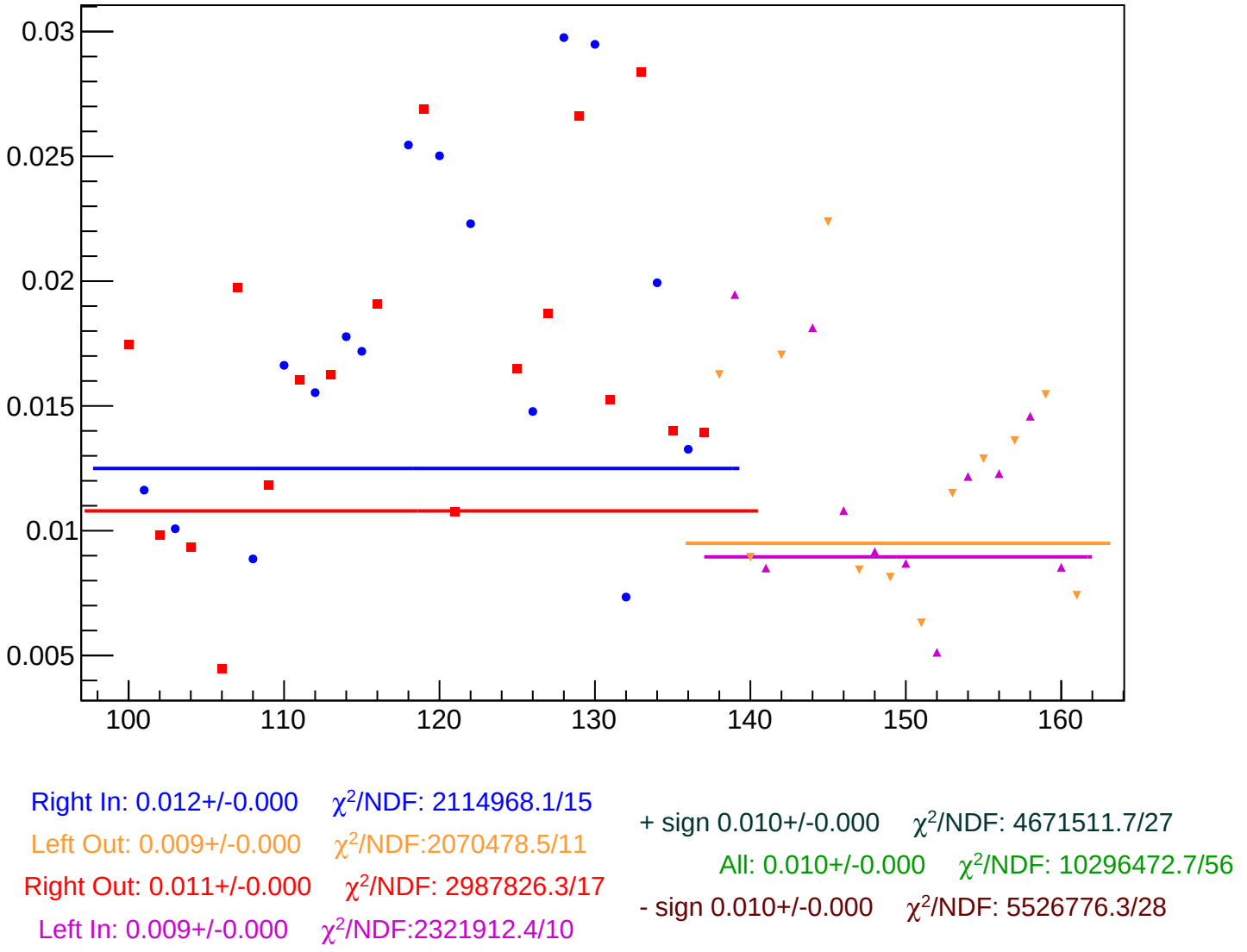
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

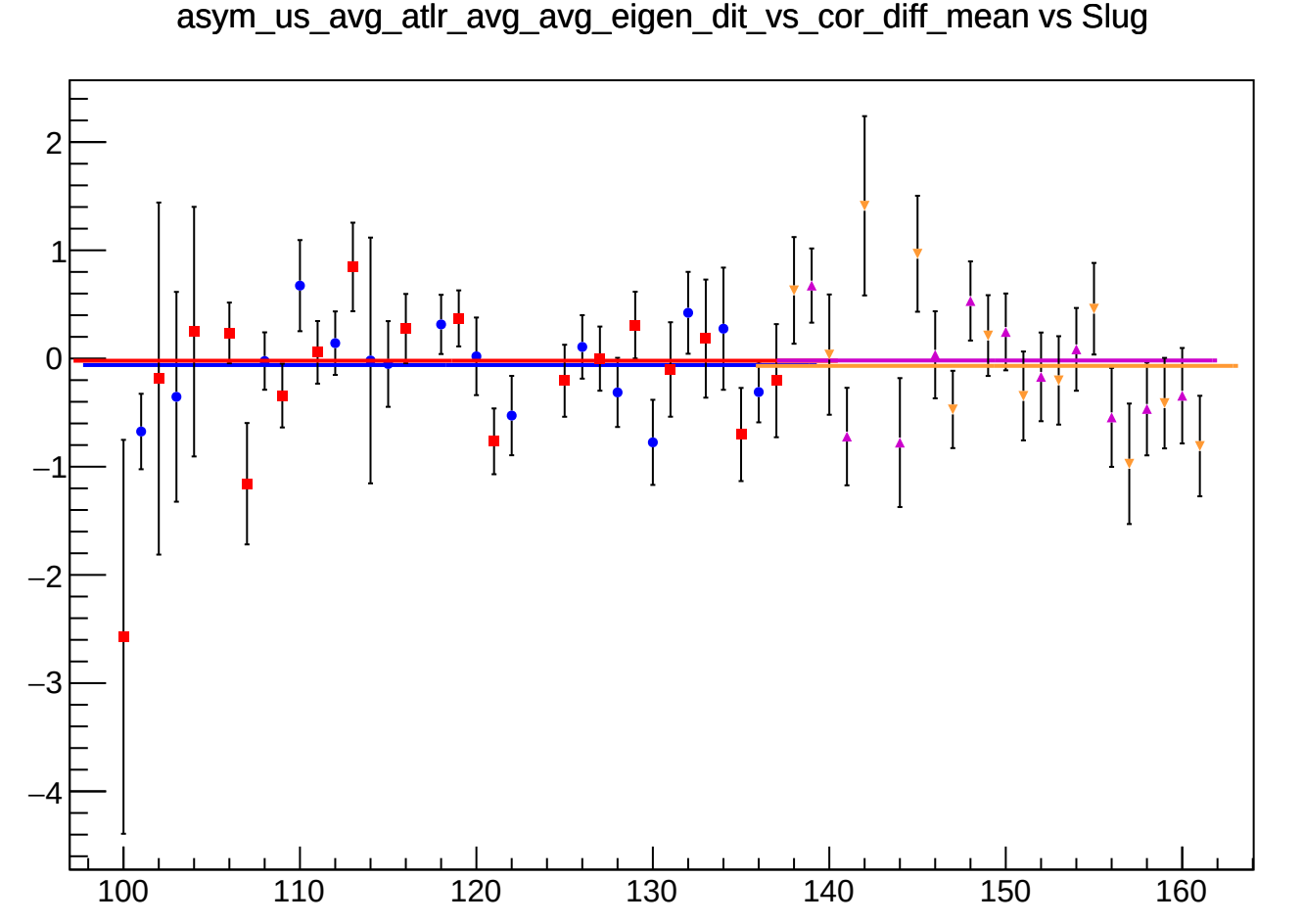
Left In: -0.000+/-0.000 χ^2/NDF:7.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 45.0/27

All: -0.000+/-0.000 χ^2/NDF: 72.1/56

- sign -0.000+/-0.000 χ^2/NDF: 25.2/28


asym_us_avg_atlr_avg_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
Right In: 0.012+/-0.000 χ²/NDF: 2114968.1/15
Left Out: 0.009+/-0.000 χ²/NDF:2070478.5/11
Right Out: 0.011+/-0.000 χ²/NDF: 2987826.3/17
Left In: 0.009+/-0.000 χ²/NDF:2321912.4/10
+ sign 0.010+/-0.000 χ²/NDF: 4671511.7/27
All: 0.010+/-0.000 χ²/NDF: 10296472.7/56
- sign 0.010+/-0.000 χ²/NDF: 5526776.3/28



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.068+/-0.131 χ^2/NDF:18.8/11

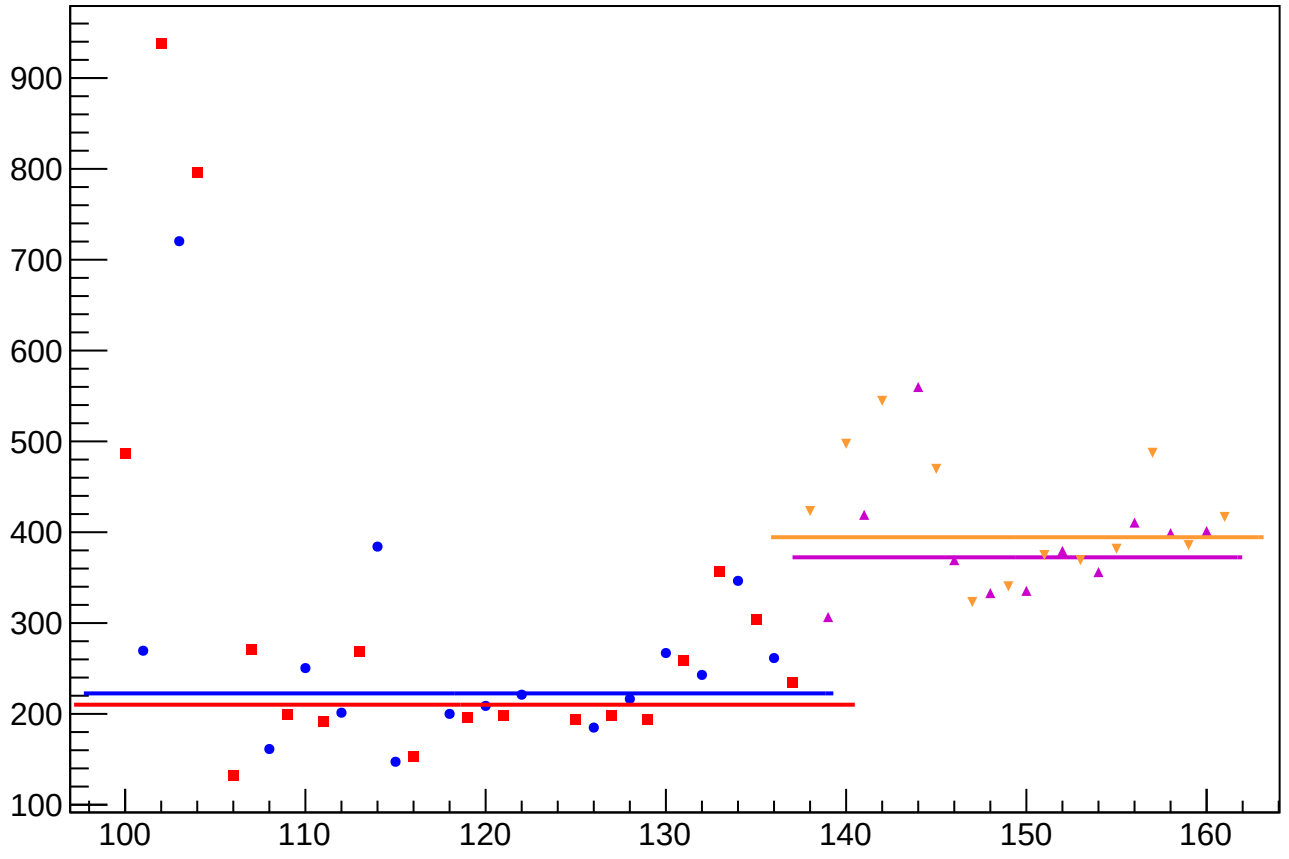
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.018+/-0.123 χ^2/NDF:14.1/10

+ sign -0.063+/-0.073 χ^2/NDF: 36.1/27

All: -0.041+/-0.051 χ^2/NDF: 76.5/56

- sign -0.020+/-0.071 χ^2/NDF: 40.3/28



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 394.502+/-0.093 χ^2/NDF:377359.0/11

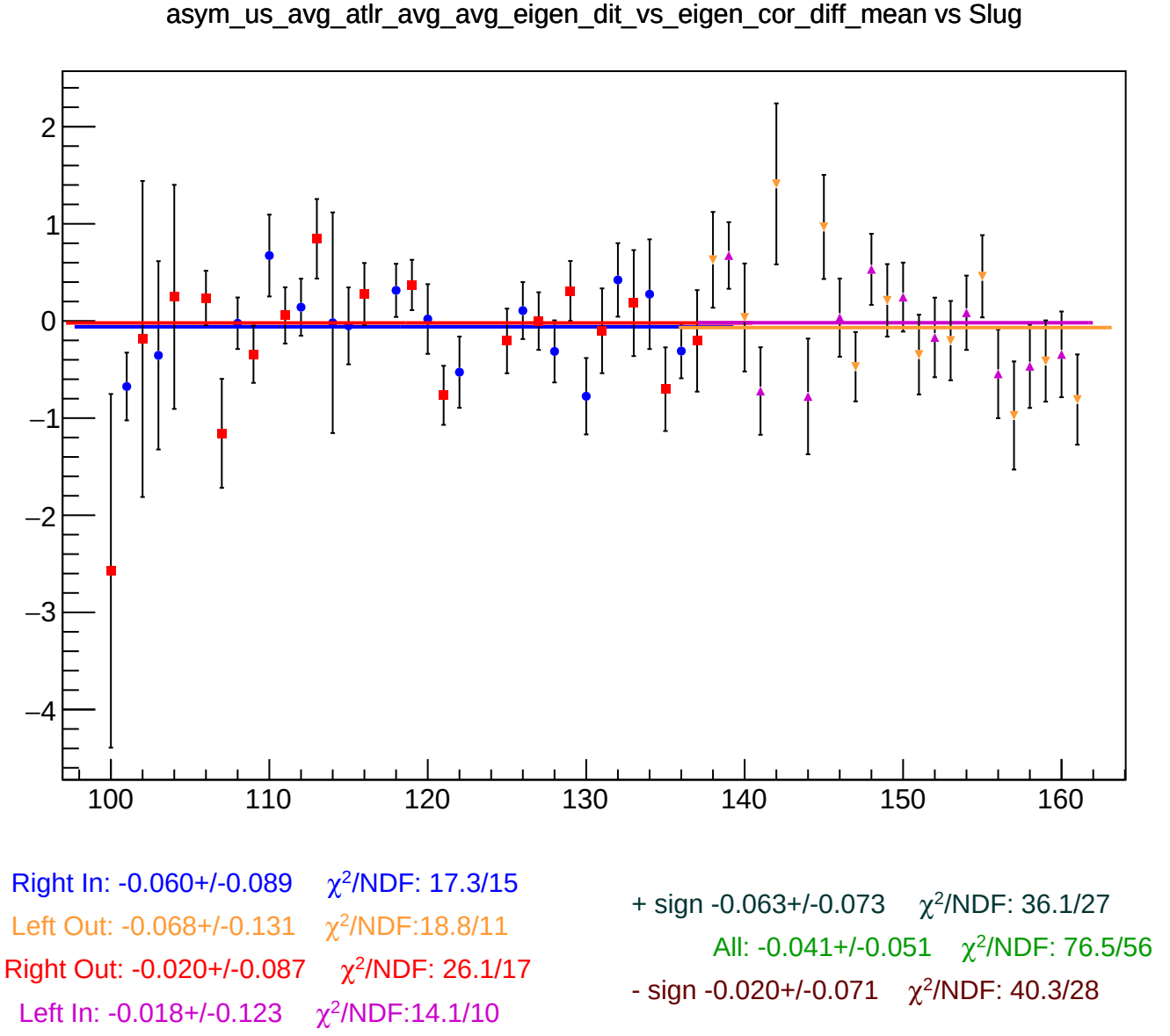
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

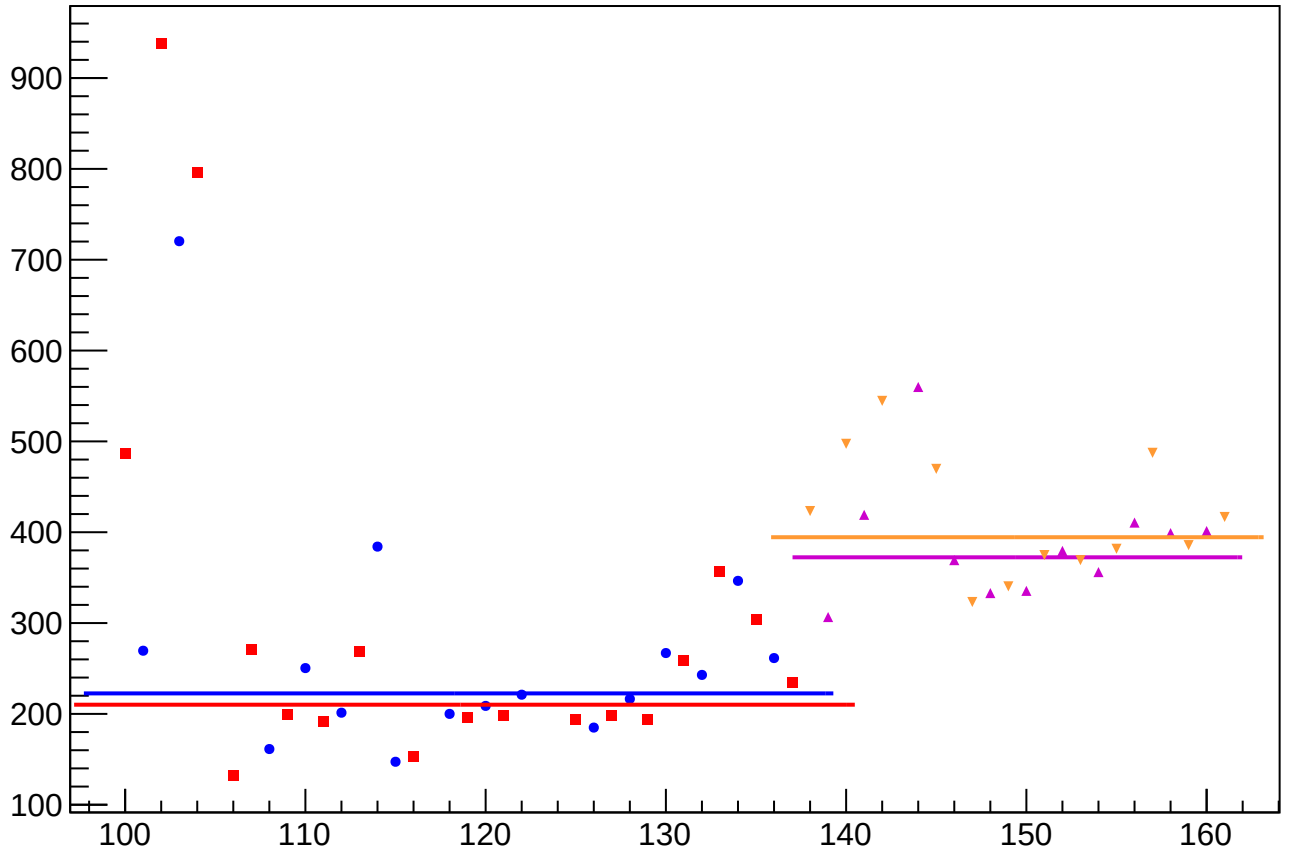
Left In: 372.388+/-0.087 χ^2/NDF:372658.9/10

+ sign 276.654+/-0.052 χ^2/NDF: 3762360.9/27

All: 270.410+/-0.036 χ^2/NDF: 8021381.2/56

- sign 264.521+/-0.050 χ^2/NDF: 4230894.8/28


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.068+/-0.131 χ²/NDF:18.8/11
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: -0.018+/-0.123 χ²/NDF:14.1/10
+ sign -0.063+/-0.073 χ²/NDF: 36.1/27
All: -0.041+/-0.051 χ²/NDF: 76.5/56
- sign -0.020+/-0.071 χ²/NDF: 40.3/28



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 394.502+/-0.093 χ^2/NDF:377359.0/11

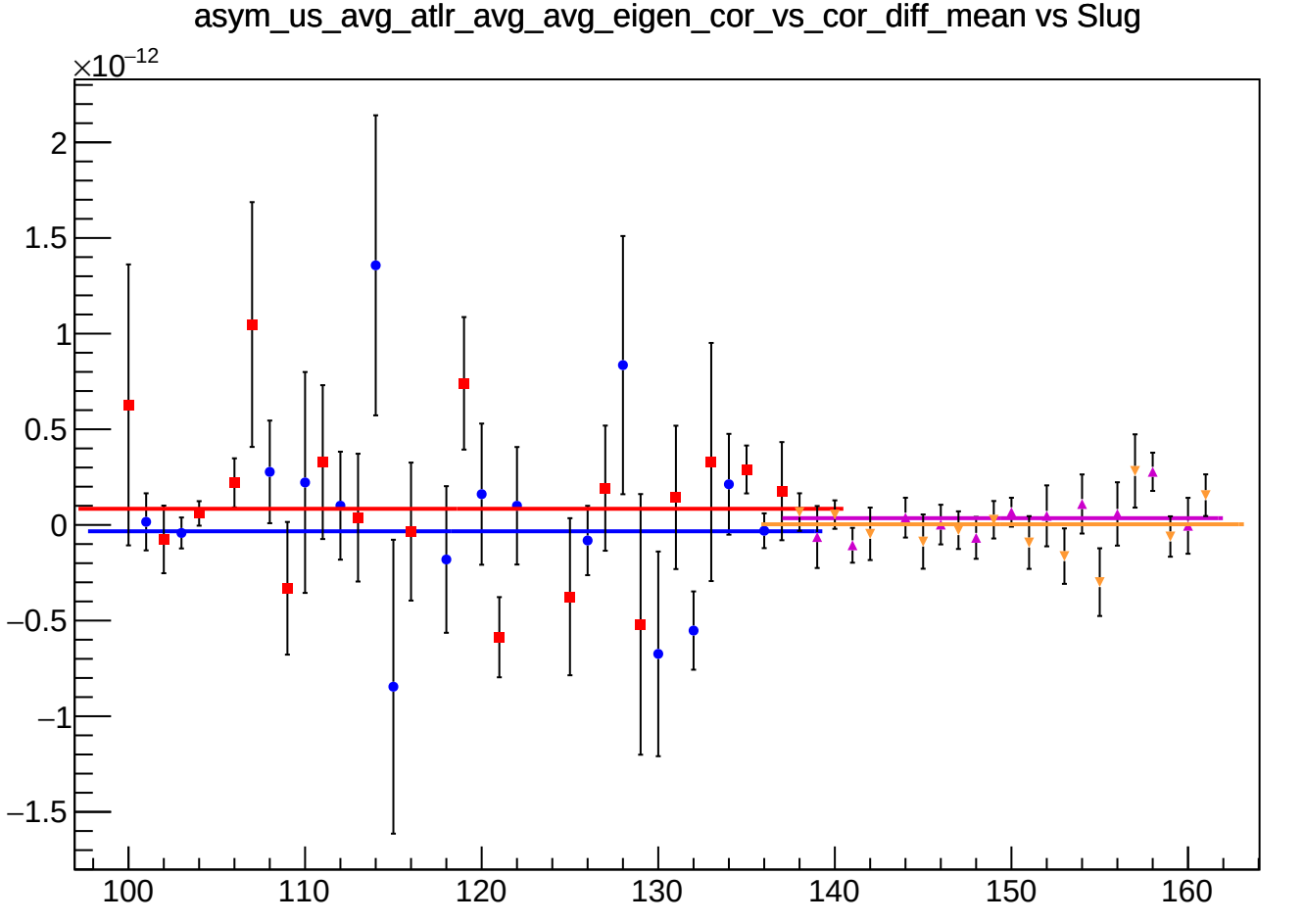
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 372.388+/-0.087 χ^2/NDF:372658.9/10

+ sign 276.654+/-0.052 χ^2/NDF: 3762360.9/27

All: 270.410+/-0.036 χ^2/NDF: 8021381.2/56

- sign 264.521+/-0.050 χ^2/NDF: 4230894.8/28



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/11

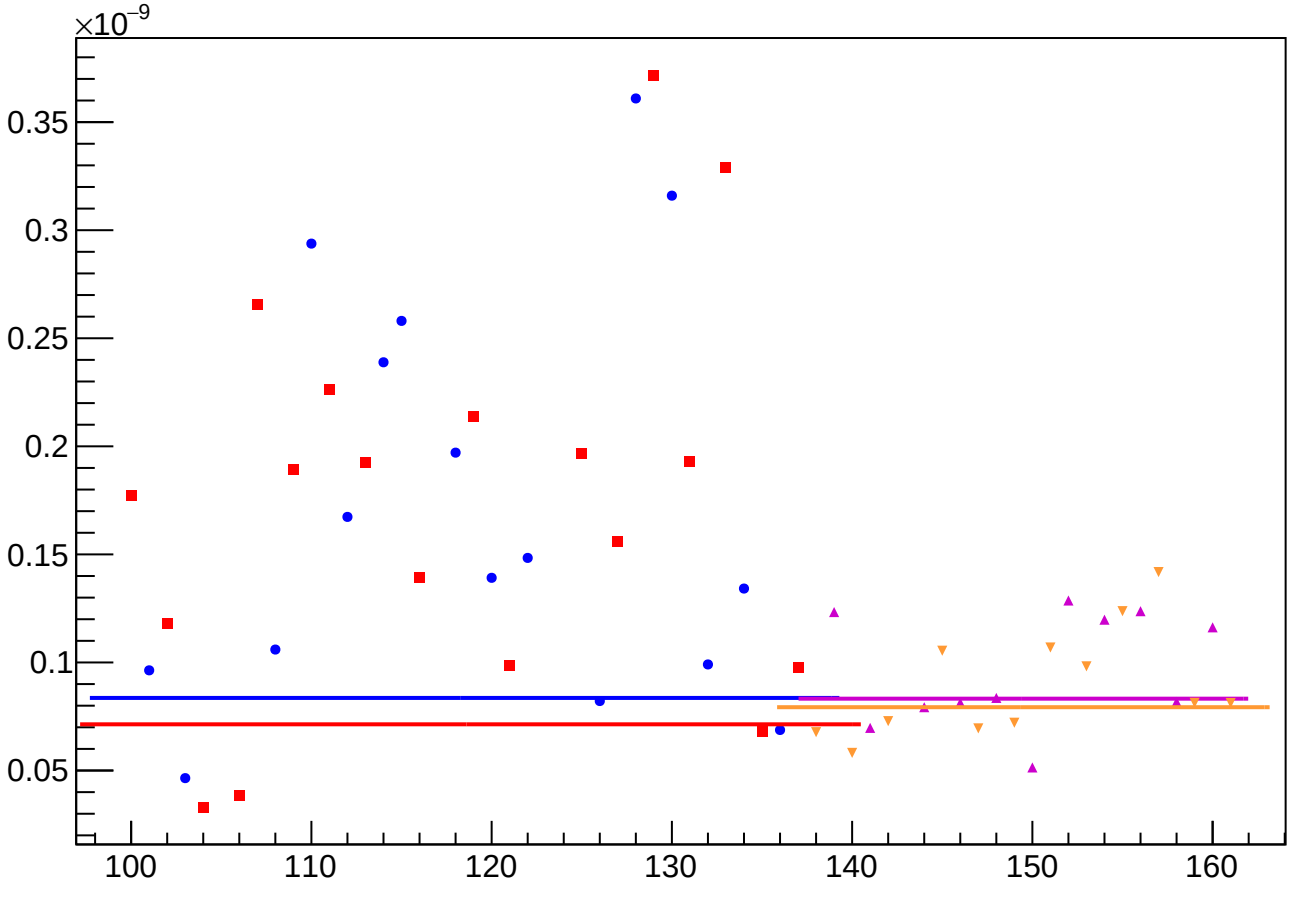
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:10.2/10

+ sign -0.000+/-0.000 χ^2/NDF: 28.4/27

All: 0.000+/-0.000 χ^2/NDF: 67.8/56

- sign 0.000+/-0.000 χ^2/NDF: 36.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:746891.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

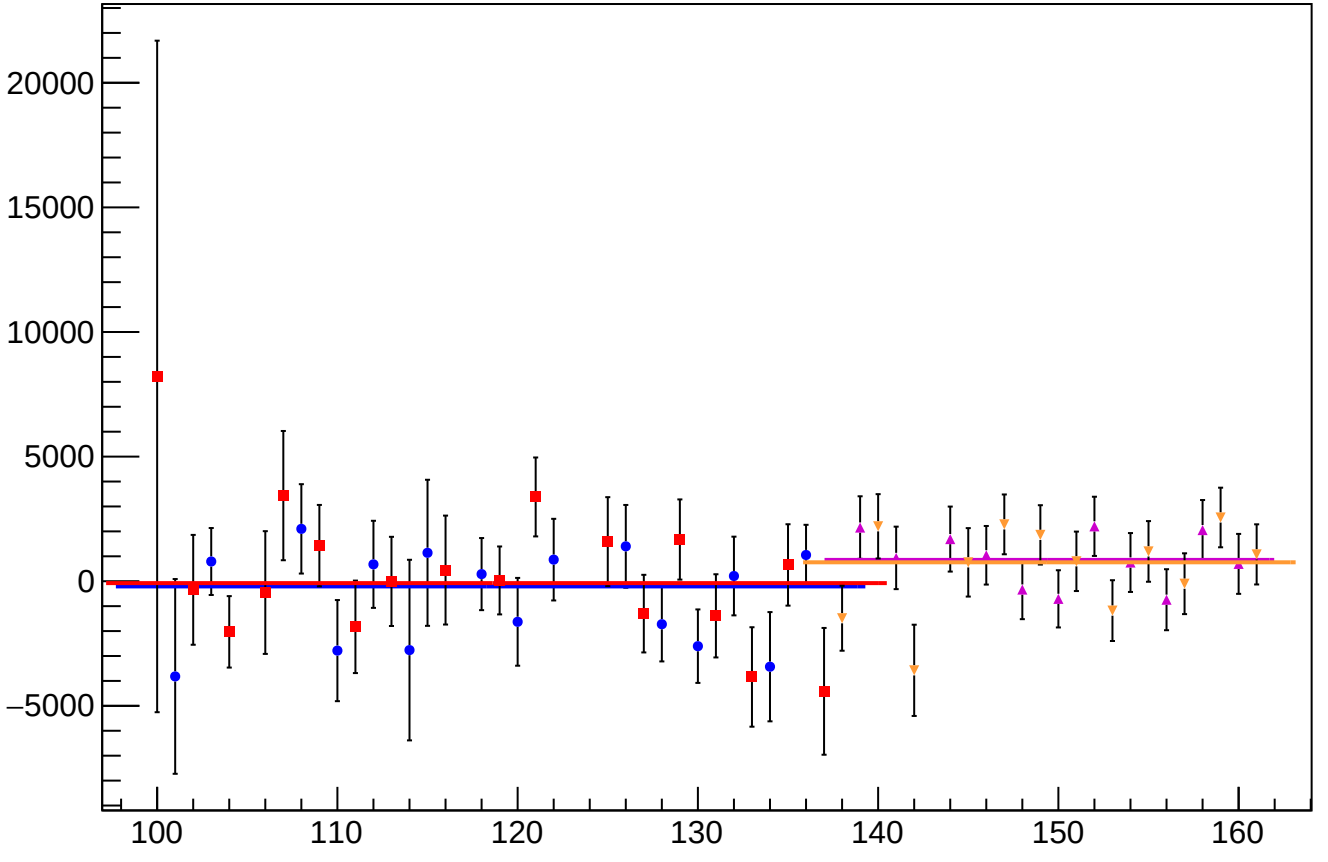
Left In: 0.000+/-0.000 χ^2/NDF:1021420.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 2993504.1/27

All: 0.000+/-0.000 χ^2/NDF: 7855164.3/56

- sign 0.000+/-0.000 χ^2/NDF: 4856973.6/28

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 759.295+/-364.497 χ^2/NDF:17.8/11

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

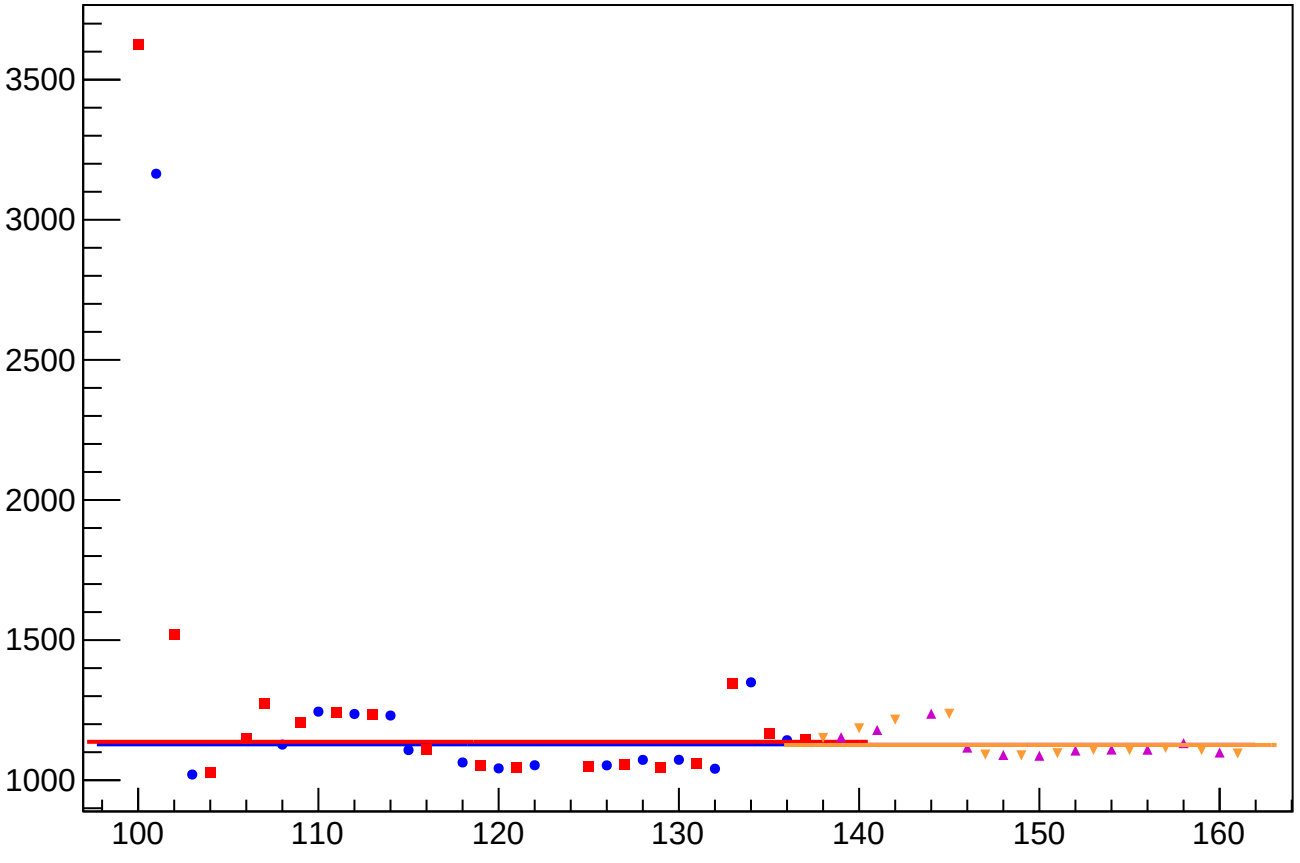
Left In: 855.710+/-364.600 χ^2/NDF:8.4/10

+ sign 353.790+/-277.816 χ^2/NDF: 35.5/27

All: 410.290+/-196.615 χ^2/NDF: 67.3/56

- sign 466.985+/-278.295 χ^2/NDF: 31.7/28

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1125.828+/-0.258 χ^2/NDF:30515.0/11

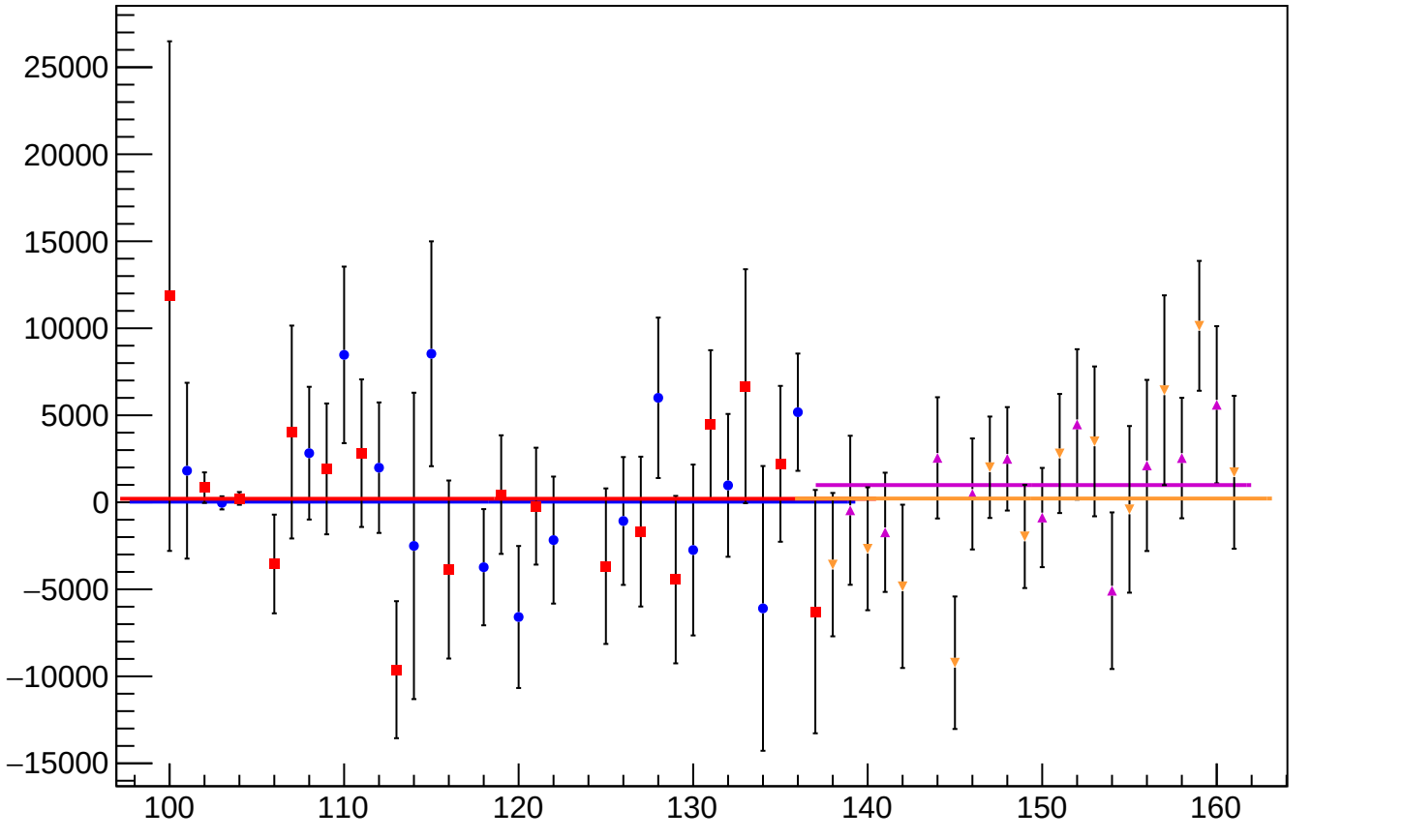
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1126.456+/-0.258 χ^2/NDF:25819.0/10

+ sign 1126.742+/-0.196 χ^2/NDF: 651939.5/27

All: 1128.810+/-0.139 χ^2/NDF: 898771.7/56

- sign 1130.883+/-0.197 χ^2/NDF: 246610.2/28



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 216.875+/-1100.953 χ^2/NDF:19.4/11

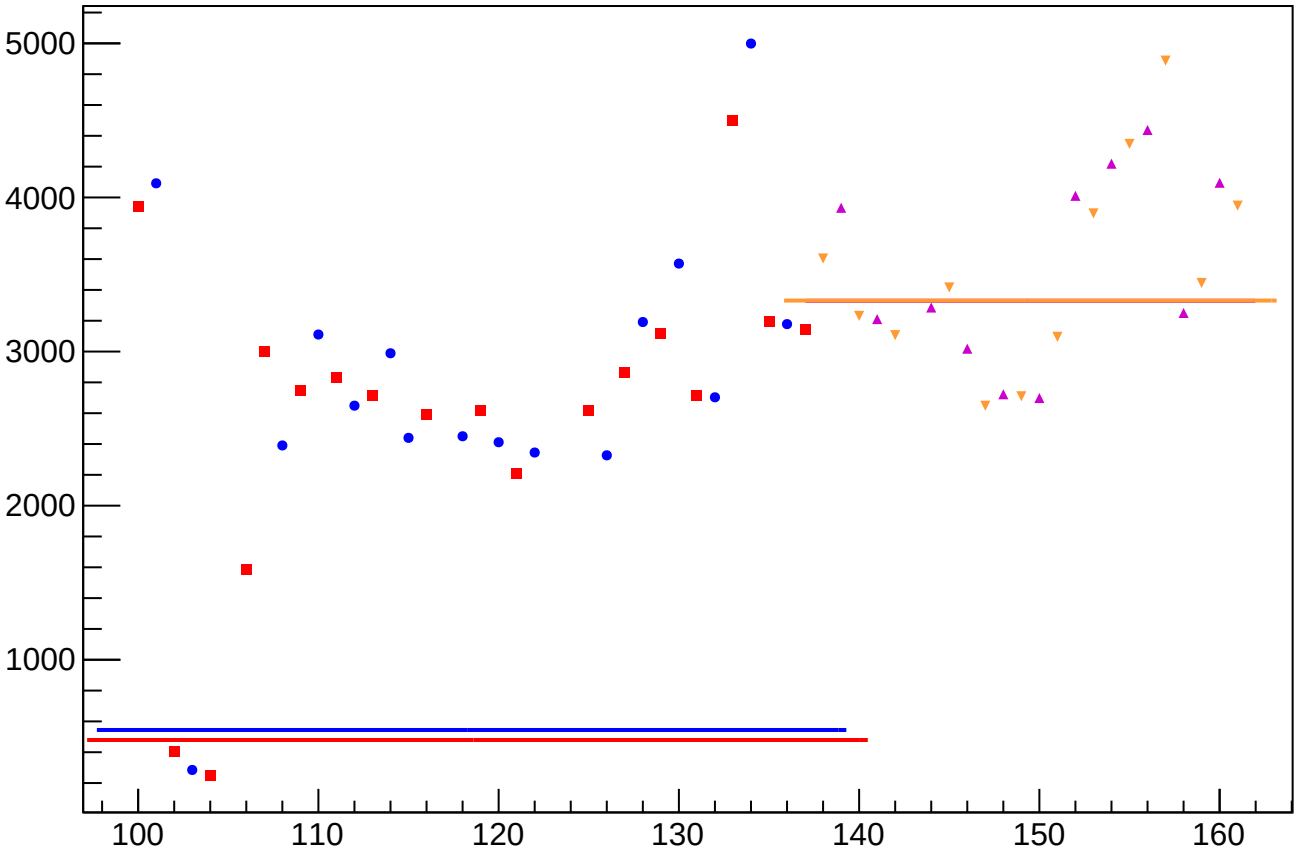
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 989.494+/-1095.535 χ^2/NDF:5.4/10

+ sign 55.347+/-340.153 χ^2/NDF: 34.3/27

All: 169.792+/-228.886 χ^2/NDF: 56.0/56

- sign 264.486+/-309.413 χ^2/NDF: 21.5/28



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3330.980+/-0.778 χ^2/NDF:551618.0/11

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

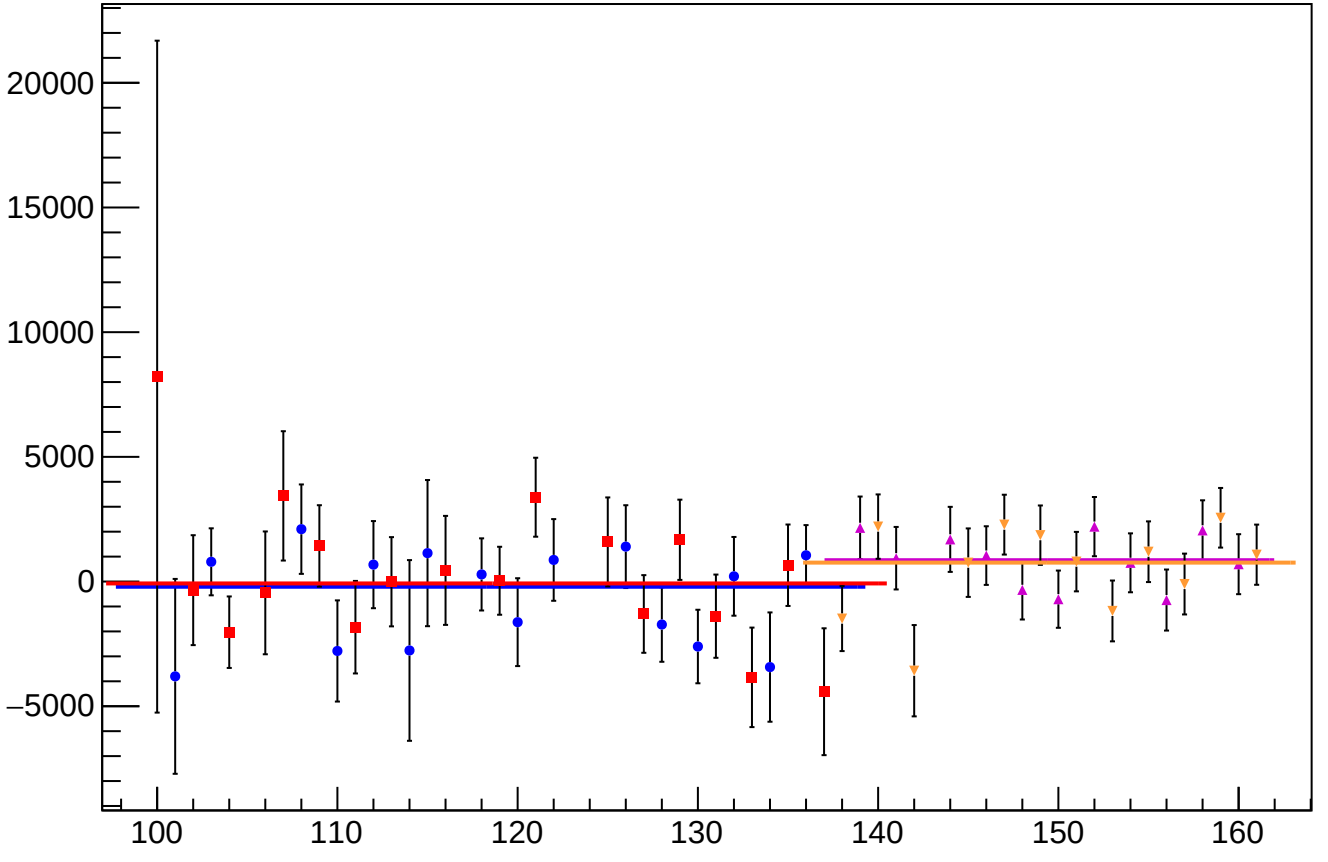
Left In: 3329.152+/-0.775 χ^2/NDF:530634.1/10

+ sign 810.342+/-0.241 χ^2/NDF: 21824614.6/27

All: 753.563+/-0.162 χ^2/NDF: 44099784.1/56

- sign 706.581+/-0.219 χ^2/NDF: 22173331.5/28

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 759.327+/-364.497 χ^2/NDF:17.8/11

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

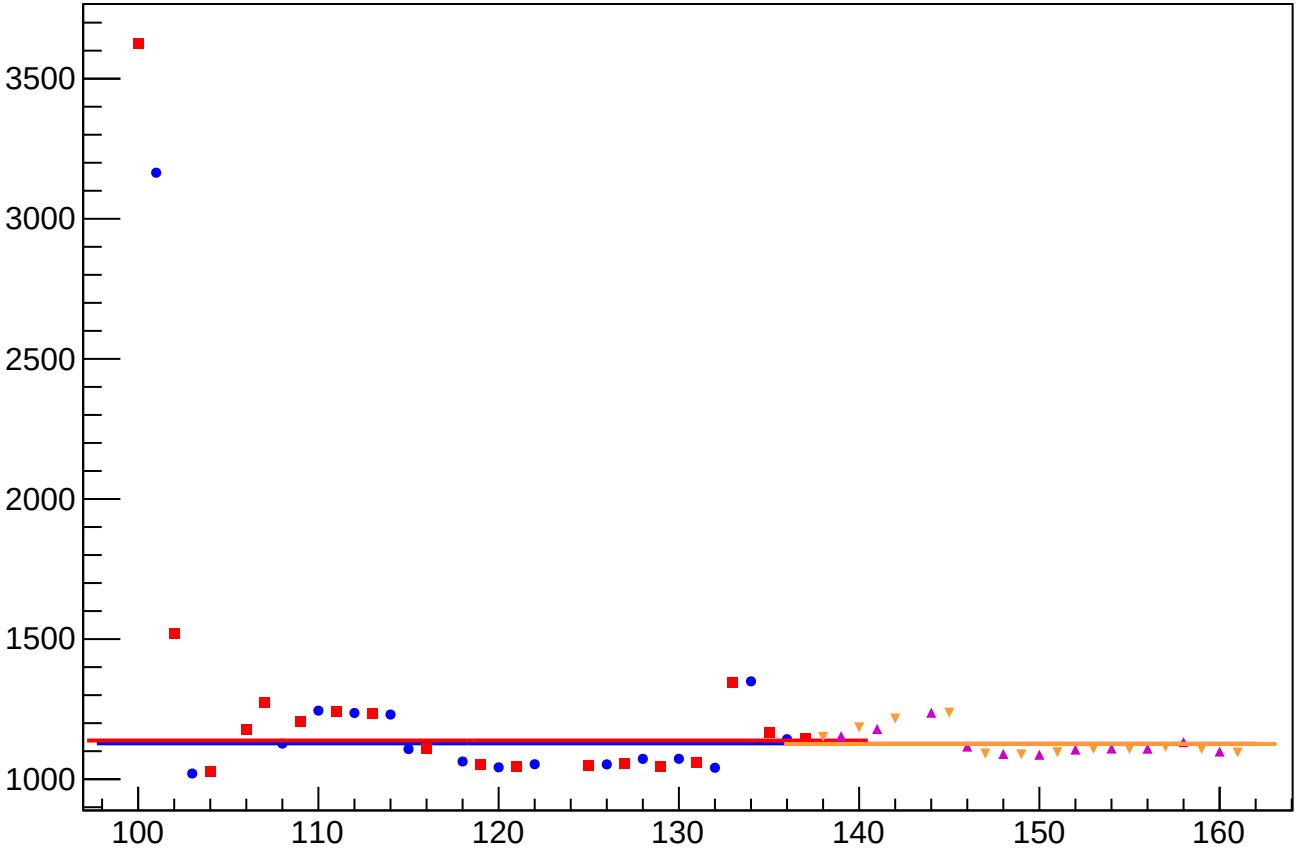
Left In: 855.746+/-364.600 χ^2/NDF:8.4/10

+ sign 353.904+/-277.816 χ^2/NDF: 35.5/27

All: 410.327+/-196.615 χ^2/NDF: 67.3/56

- sign 466.946+/-278.295 χ^2/NDF: 31.7/28

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1125.828+/-0.258 χ^2/NDF:30515.0/11

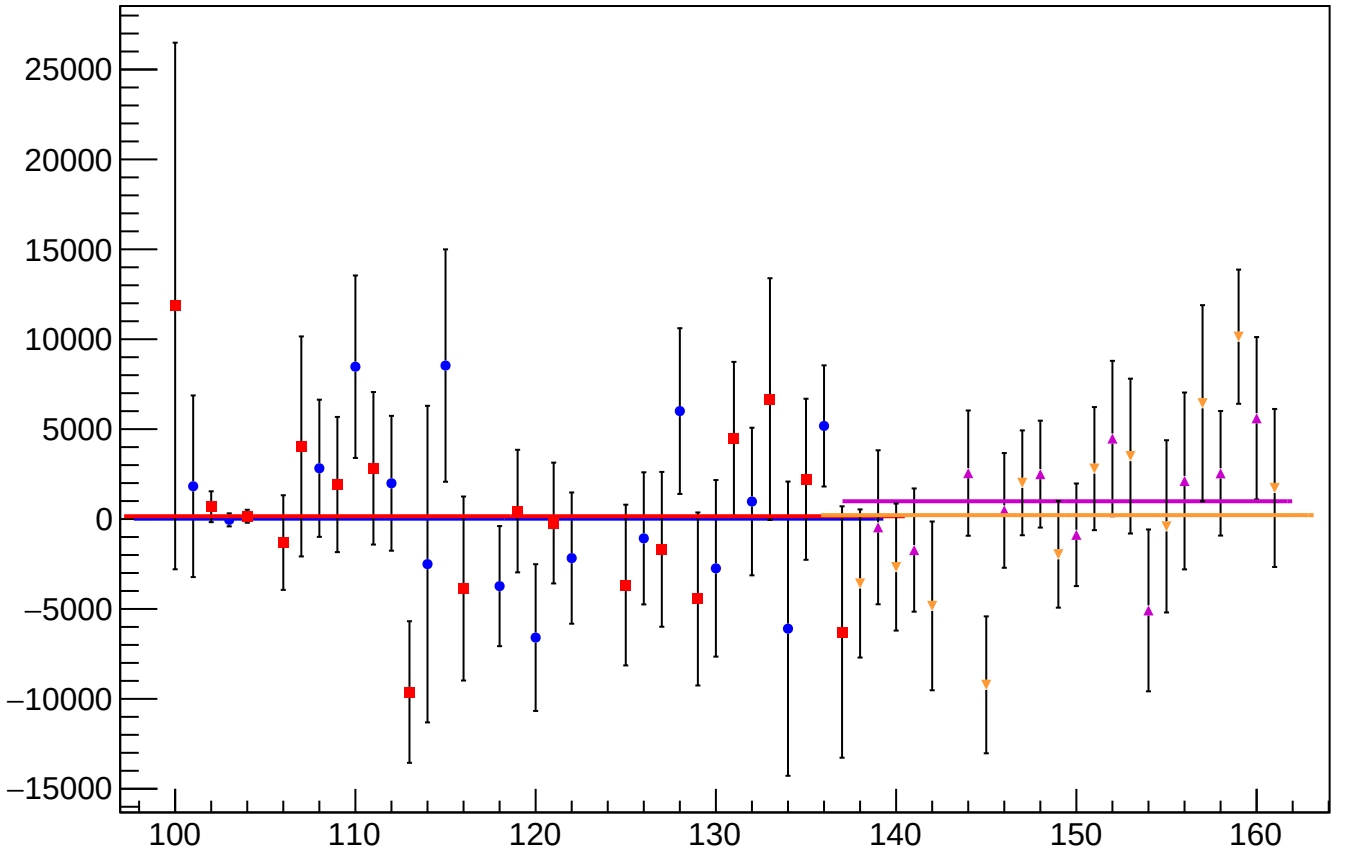
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1126.456+/-0.258 χ^2/NDF:25819.0/10

+ sign 1126.741+/-0.196 χ^2/NDF: 651940.6/27

All: 1129.006+/-0.139 χ^2/NDF: 899487.5/56

- sign 1131.277+/-0.197 χ^2/NDF: 247280.8/28



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 216.917+/-1100.952 χ^2/NDF:19.4/11

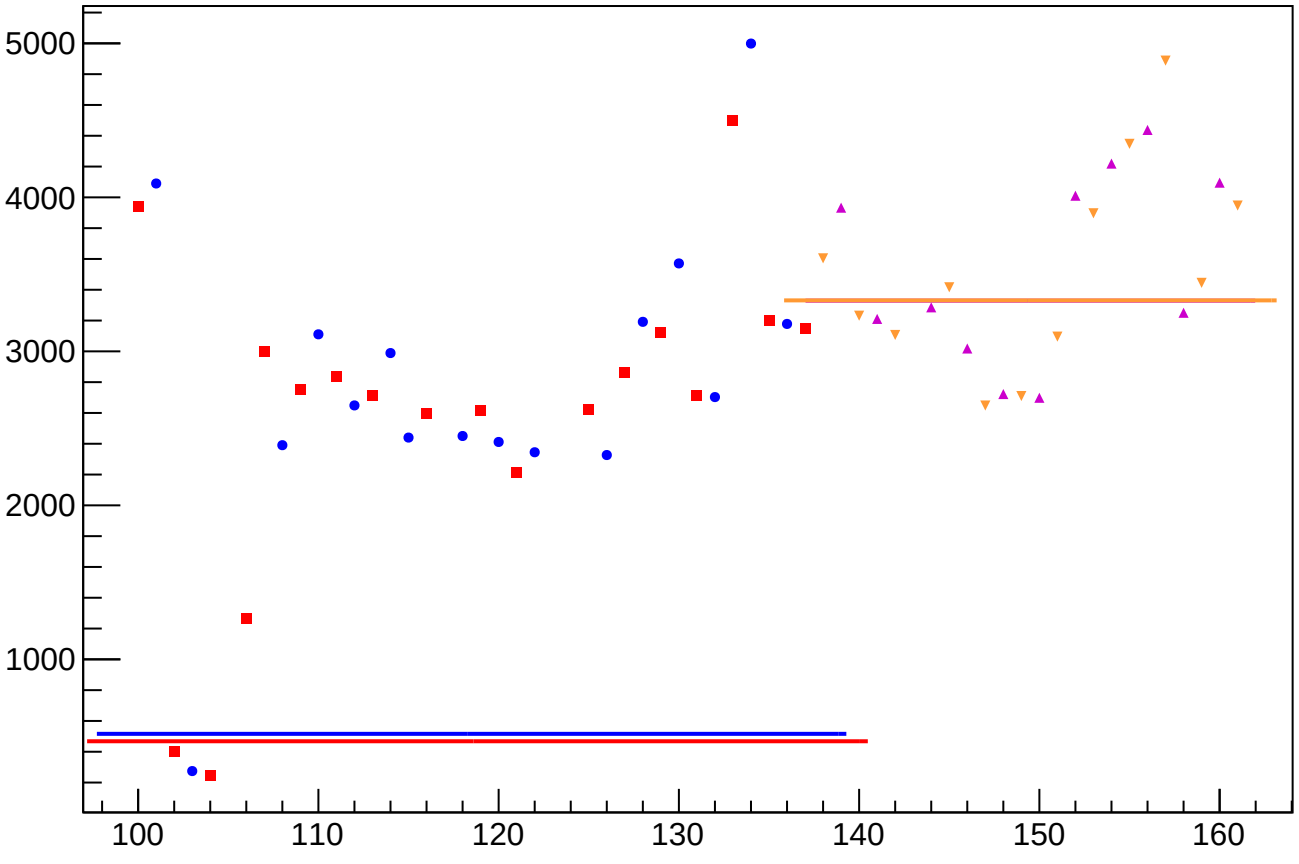
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 989.501+/-1095.535 χ^2/NDF:5.4/10

+ sign 39.062+/-328.802 χ^2/NDF: 34.3/27

All: 136.766+/-223.544 χ^2/NDF: 54.4/56

- sign 220.746+/-304.834 χ^2/NDF: 19.9/28



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3330.978+/-0.778 χ^2/NDF:551619.8/11

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

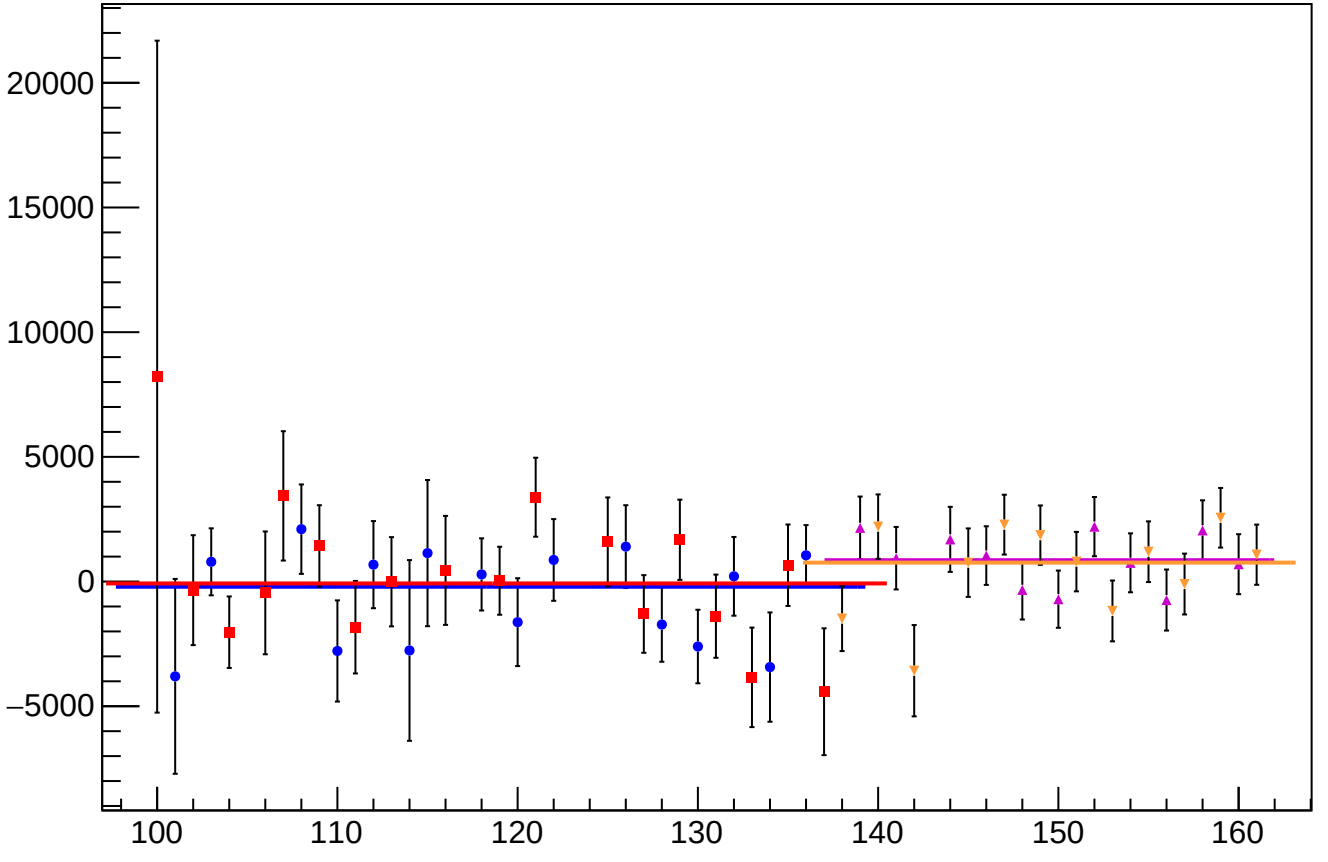
Left In: 3329.151+/-0.775 χ^2/NDF:530639.1/10

+ sign 767.347+/-0.232 χ^2/NDF: 22292616.7/27

All: 725.524+/-0.158 χ^2/NDF: 44579352.4/56

- sign 689.576+/-0.216 χ^2/NDF: 22226563.1/28

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: 759.327+/-364.497 χ^2/NDF:17.8/11

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

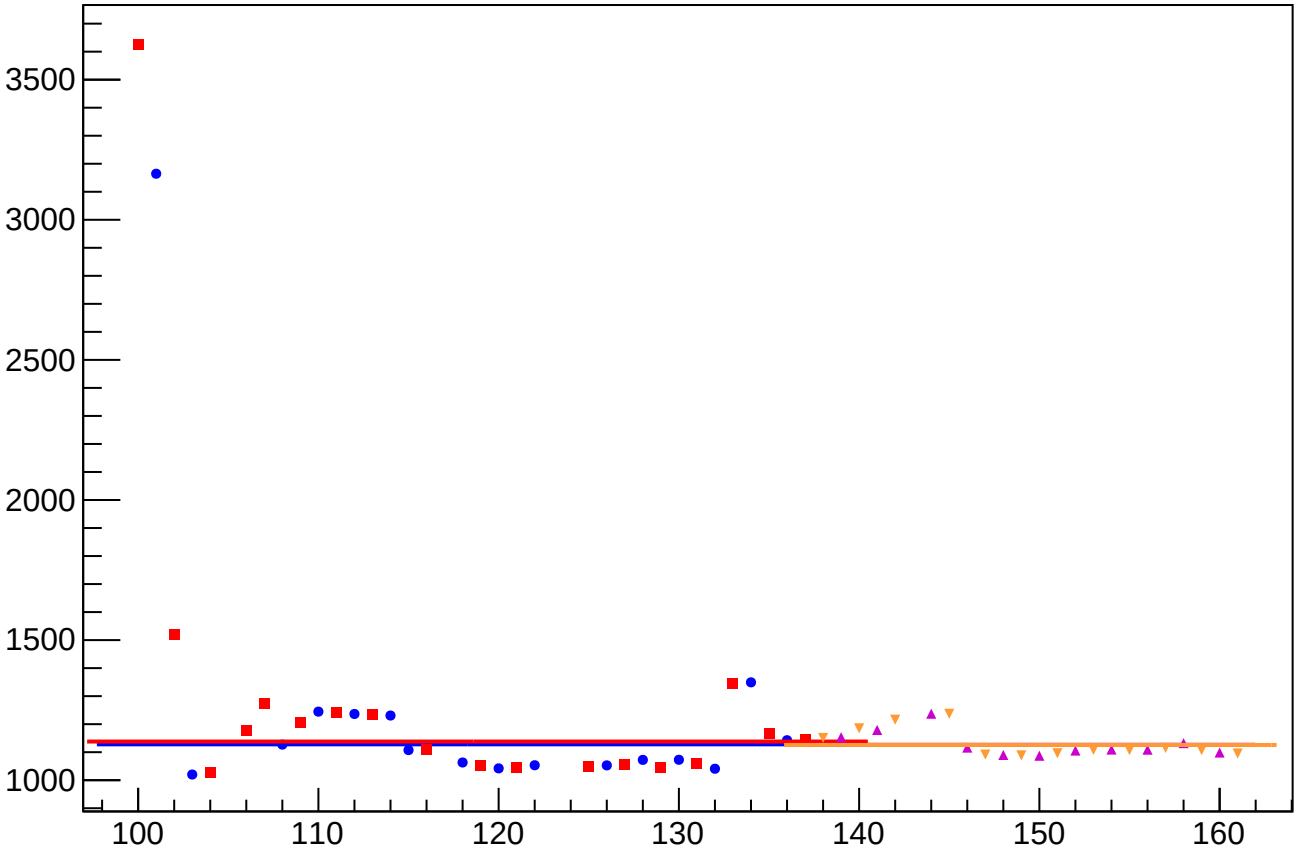
Left In: 855.746+/-364.600 χ^2/NDF:8.4/10

+ sign 353.904+/-277.816 χ^2/NDF: 35.5/27

All: 410.327+/-196.615 χ^2/NDF: 67.3/56

- sign 466.946+/-278.295 χ^2/NDF: 31.7/28

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: 1125.828+/-0.258 χ^2/NDF:30515.0/11

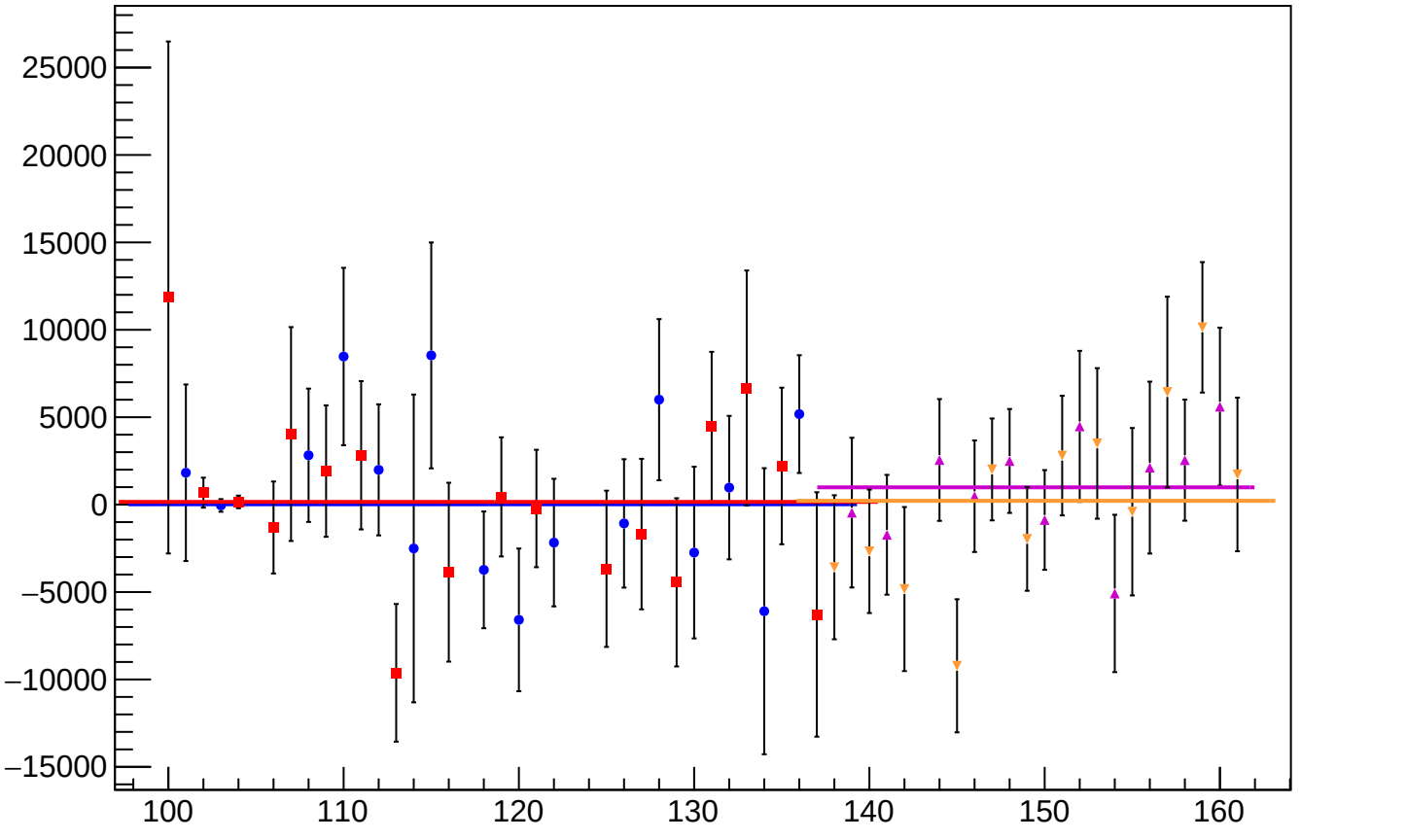
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1126.456+/-0.258 χ^2/NDF:25819.0/10

+ sign 1126.741+/-0.196 χ^2/NDF: 651940.6/27

All: 1129.006+/-0.139 χ^2/NDF: 899487.5/56

- sign 1131.277+/-0.197 χ^2/NDF: 247280.8/28



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 216.917+/-1100.952 χ^2/NDF:19.4/11

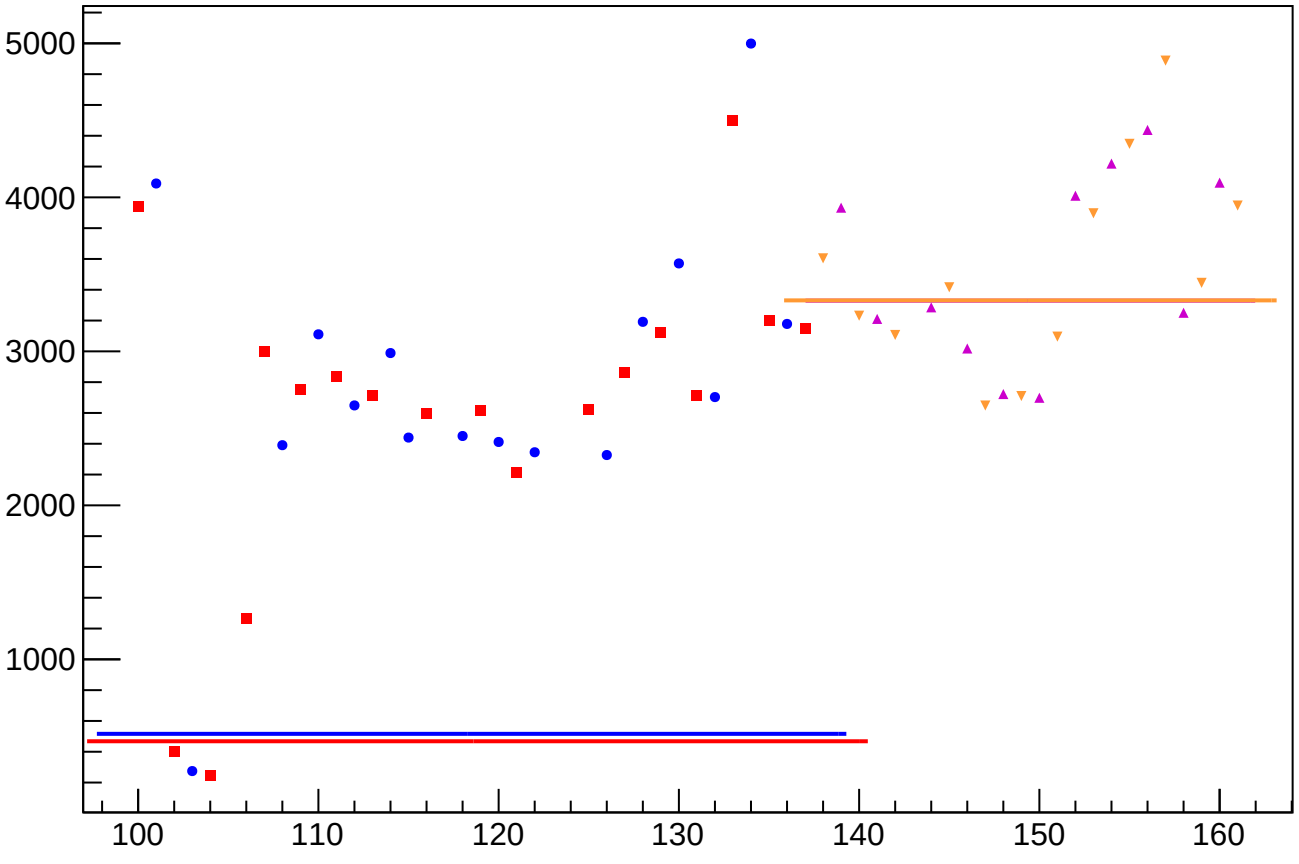
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 989.501+/-1095.535 χ^2/NDF:5.4/10

+ sign 39.062+/-328.802 χ^2/NDF: 34.3/27

All: 136.766+/-223.544 χ^2/NDF: 54.4/56

- sign 220.746+/-304.834 χ^2/NDF: 19.9/28



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3330.978+/-0.778 χ^2/NDF:551619.8/11

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

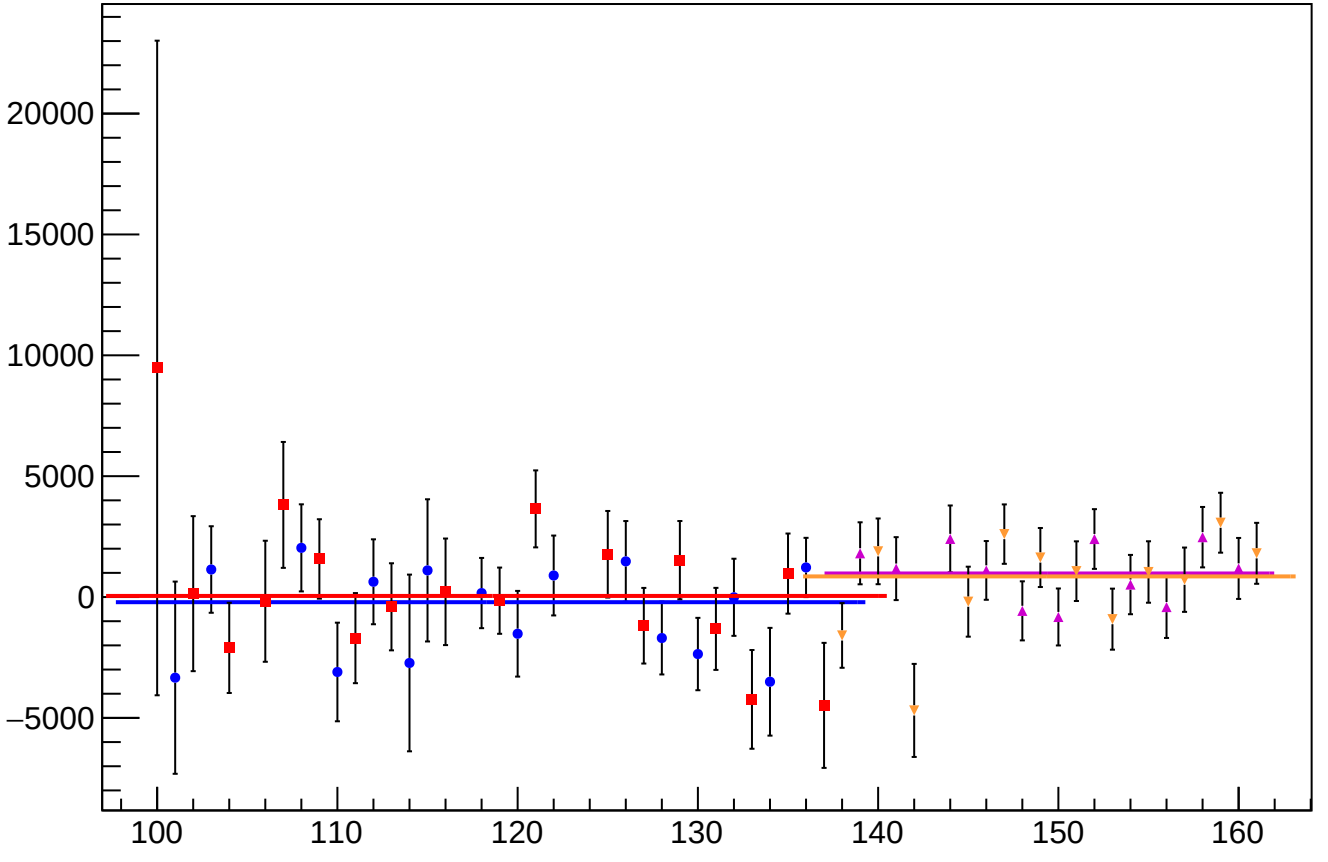
Left In: 3329.151+/-0.775 χ^2/NDF:530639.1/10

+ sign 767.347+/-0.232 χ^2/NDF: 22292616.7/27

All: 725.524+/-0.158 χ^2/NDF: 44579352.4/56

- sign 689.576+/-0.216 χ^2/NDF: 22226563.1/28

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 853.353+/-379.926 χ^2/NDF:21.0/11

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

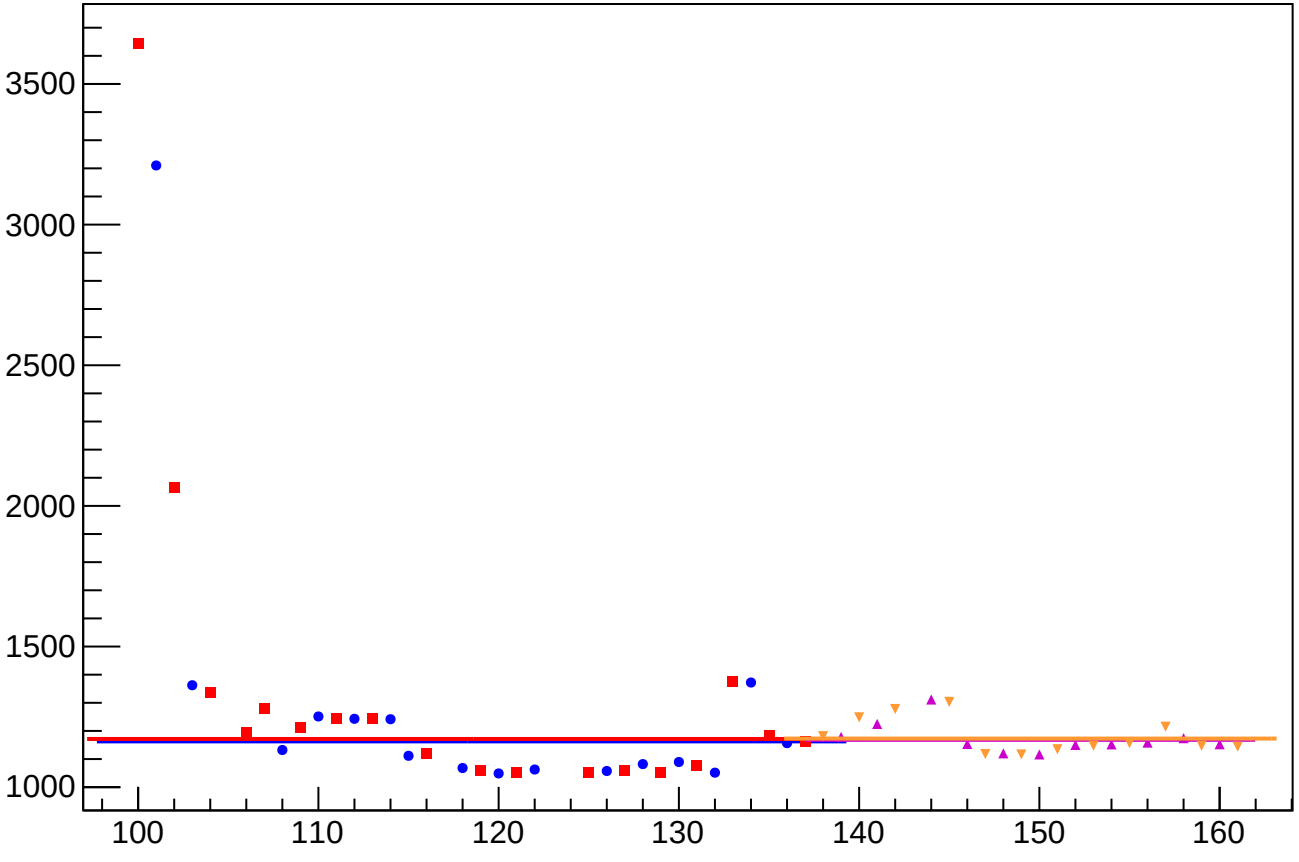
Left In: 974.665+/-378.297 χ^2/NDF:9.6/10

\+ sign 401.025+/-288.306 χ^2/NDF: 38.7/27

All: 493.914+/-204.046 χ^2/NDF: 72.6/56

\- sign 587.138+/-288.825 χ^2/NDF: 33.8/28

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1172.834+/-0.269 χ^2/NDF:43651.1/11

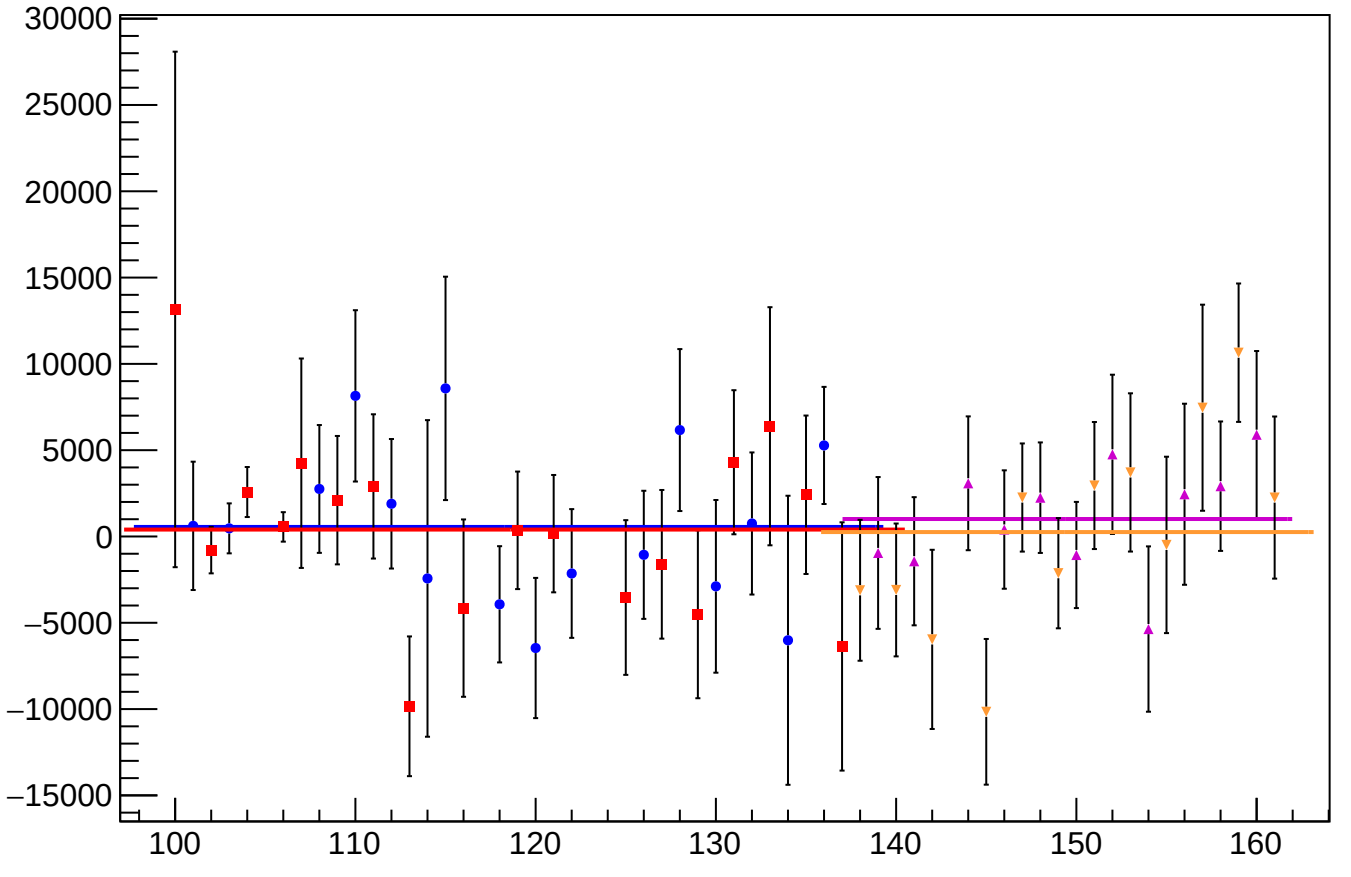
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1168.409+/-0.267 χ^2/NDF:33921.9/10

+ sign 1168.600+/-0.204 χ^2/NDF: 679590.2/27

All: 1169.132+/-0.144 χ^2/NDF: 1045219.5/56

- sign 1169.666+/-0.204 χ^2/NDF: 365615.6/28



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 255.890+/-1181.761 χ^2/NDF:19.4/11

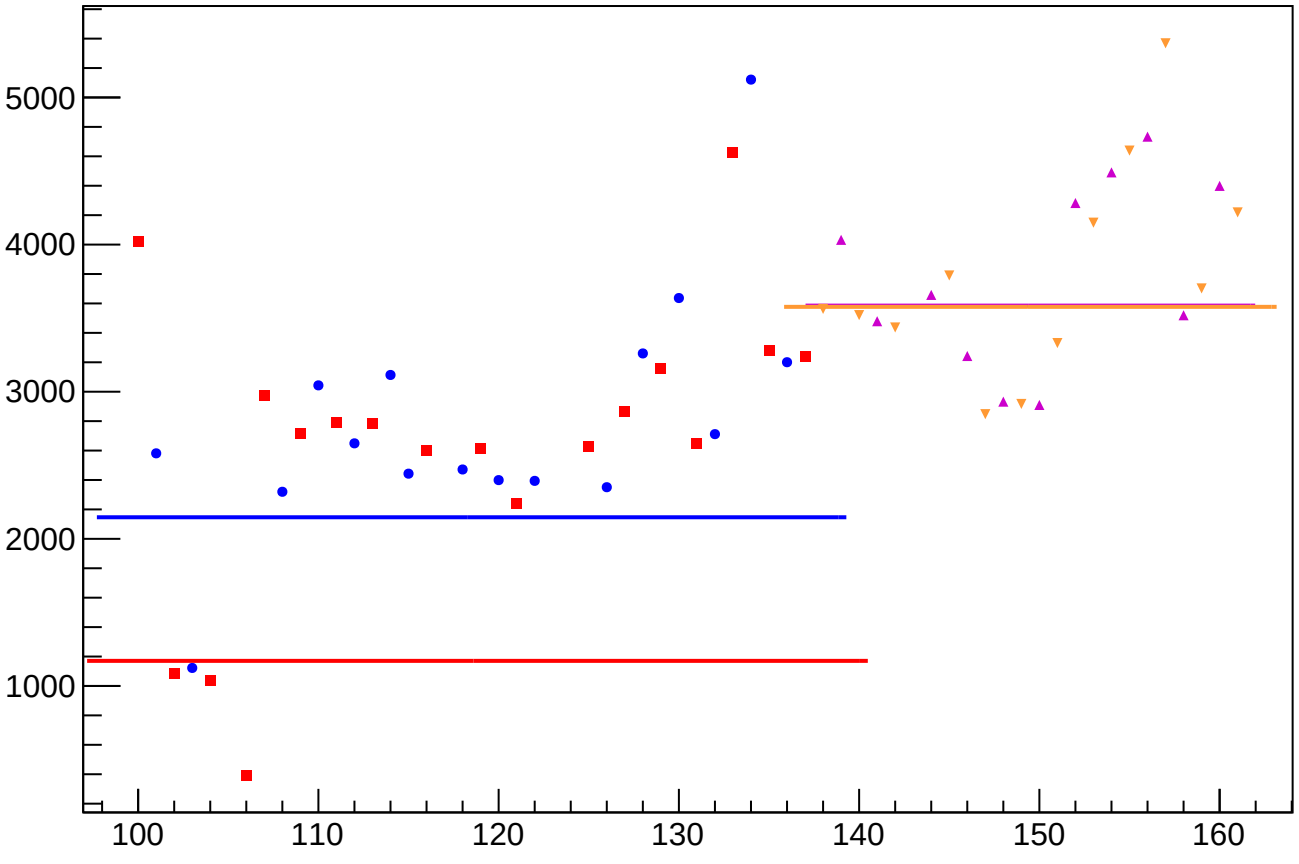
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 1011.994+/-1178.855 χ^2/NDF:5.3/10

\+ sign 447.617+/-702.767 χ^2/NDF: 33.8/27

All: 491.719+/-412.839 χ^2/NDF: 56.1/56

\- sign 514.958+/-510.142 χ^2/NDF: 22.2/28



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3576.855+/-0.836 χ^2/NDF:546749.4/11

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

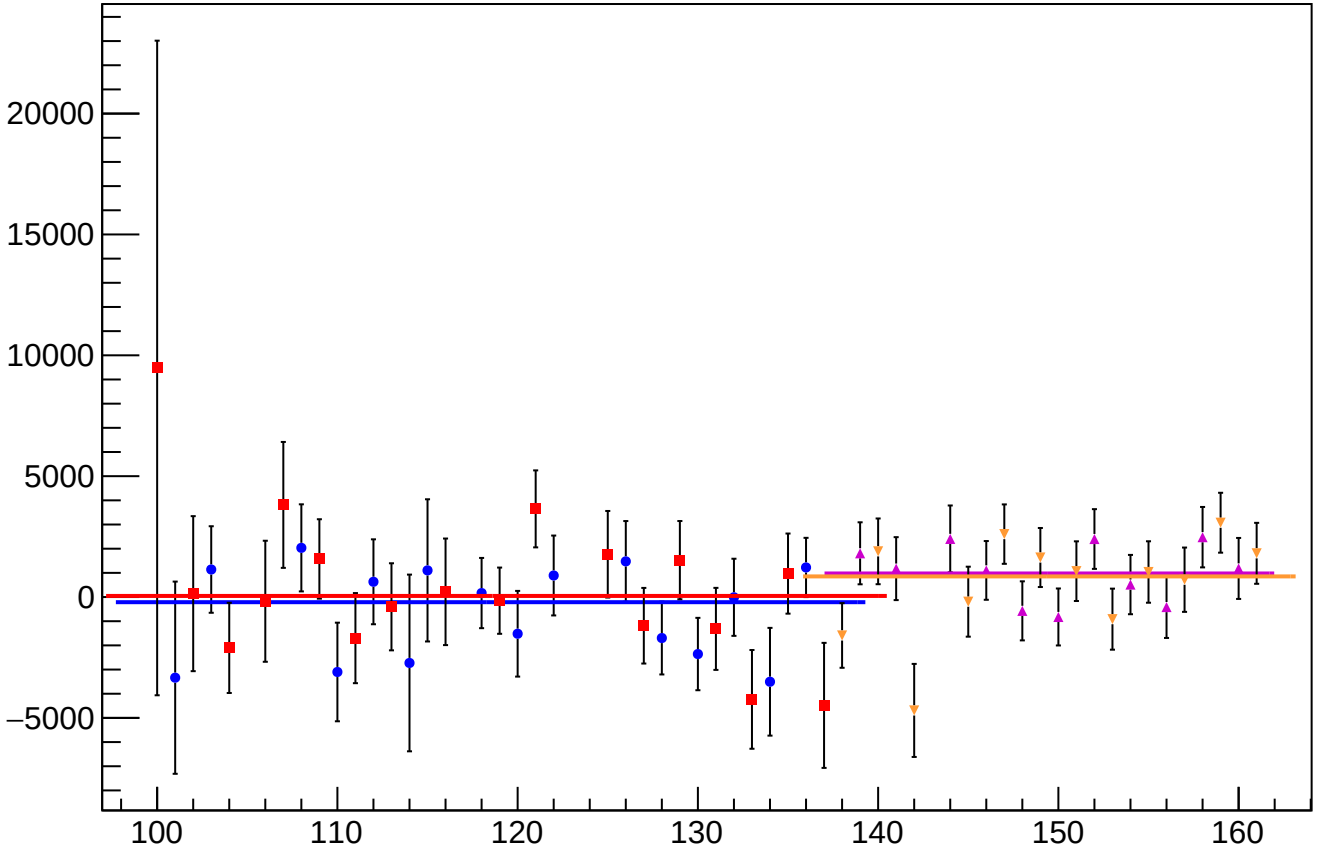
Left In: 3585.315+/-0.834 χ^2/NDF:492400.1/10

+ sign 2652.409+/-0.497 χ^2/NDF: 4414953.2/27

All: 1978.096+/-0.292 χ^2/NDF: 20356637.3/5

- sign 1622.776+/-0.361 χ^2/NDF: 13130104.0/28

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: 853.353+/-379.926 χ^2/NDF:21.0/11

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

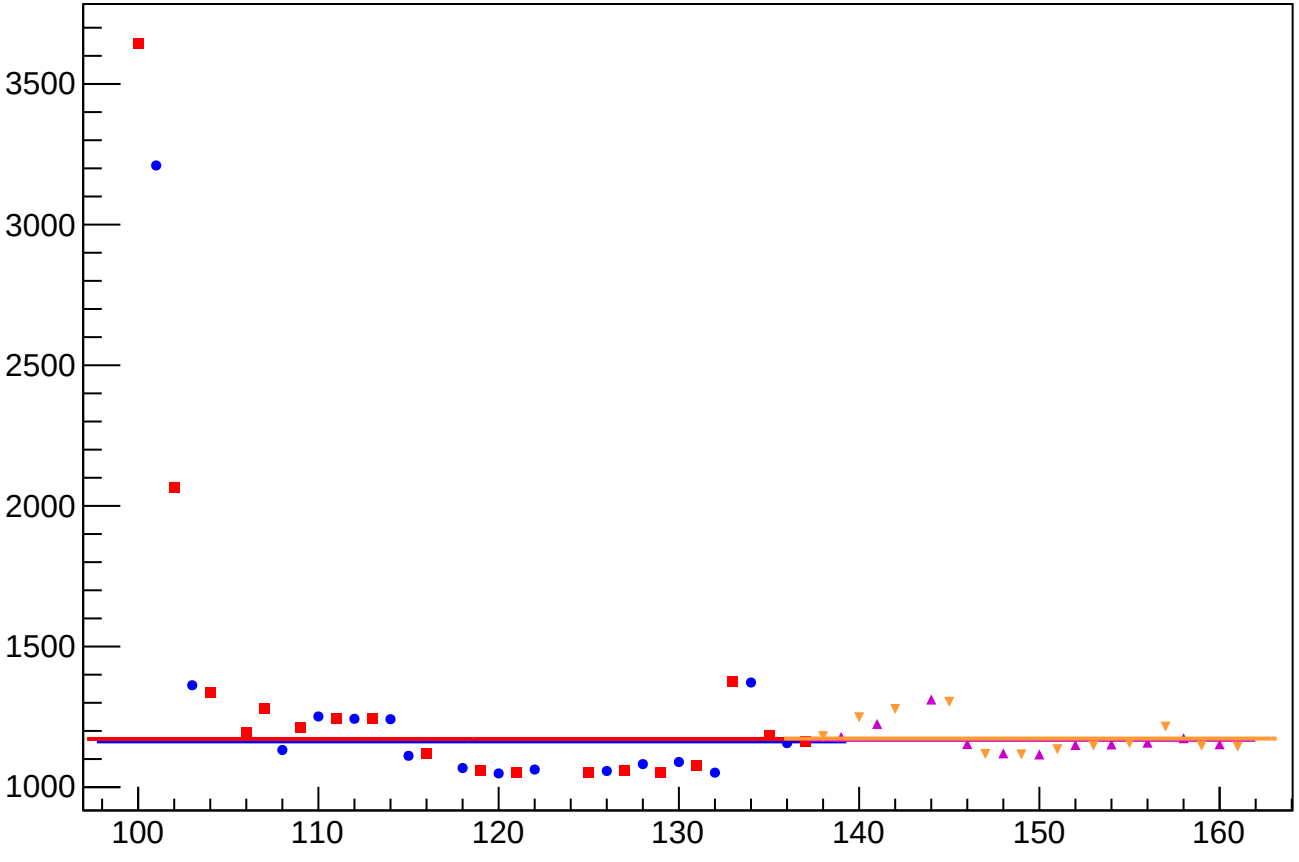
Left In: 974.662+/-378.297 χ^2/NDF:9.6/10

\+ sign 401.024+/-288.306 χ^2/NDF: 38.7/27

All: 493.914+/-204.046 χ^2/NDF: 72.6/56

\- sign 587.138+/-288.825 χ^2/NDF: 33.8/28

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1172.835+/-0.269 χ^2/NDF:43651.5/11

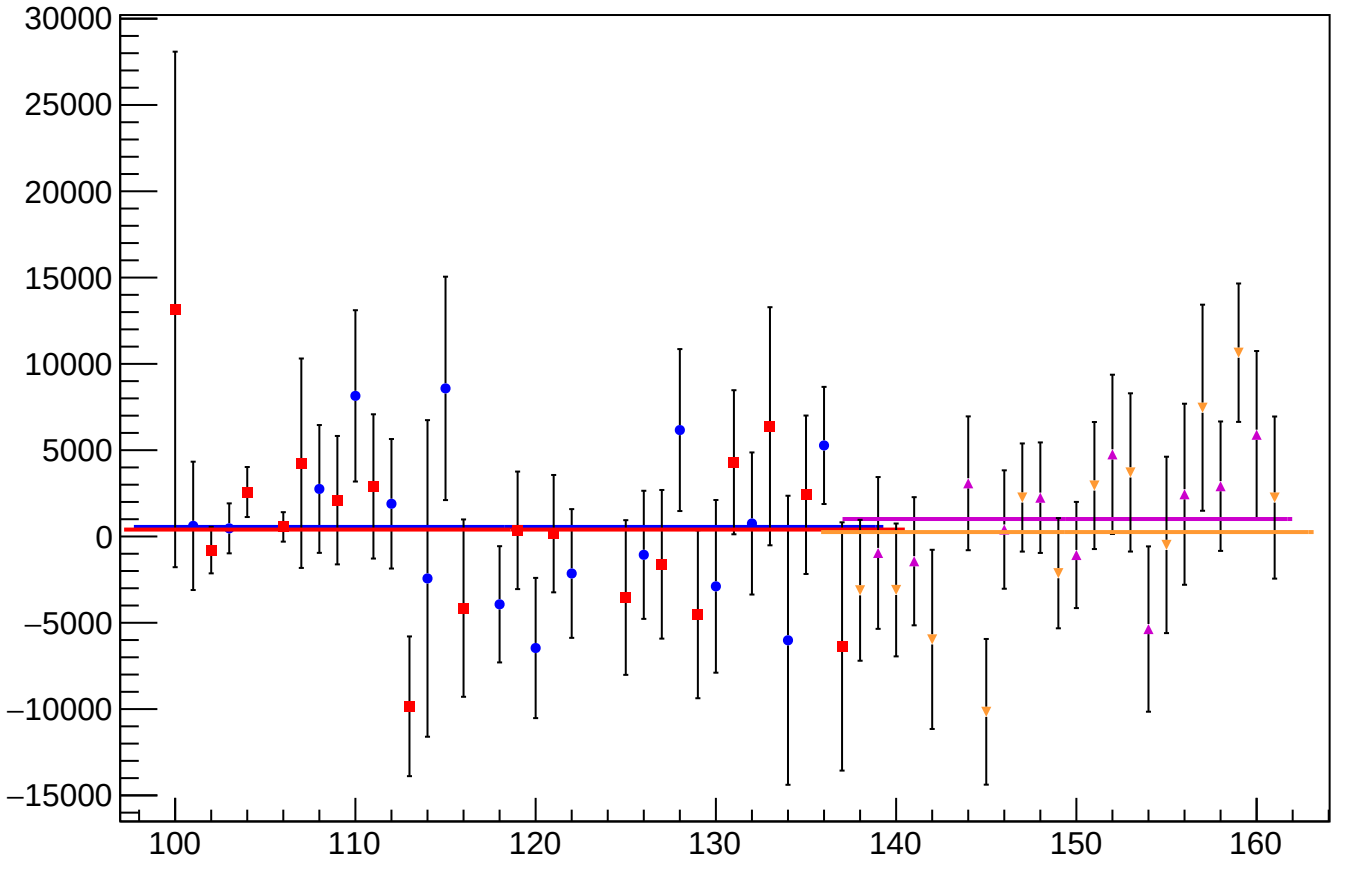
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1168.410+/-0.267 χ^2/NDF:33922.1/10

+ sign 1168.600+/-0.204 χ^2/NDF: 679590.8/27

All: 1169.132+/-0.144 χ^2/NDF: 1045219.9/56

- sign 1169.666+/-0.204 χ^2/NDF: 365615.4/28



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 255.889+/-1181.762 χ^2/NDF:19.4/11

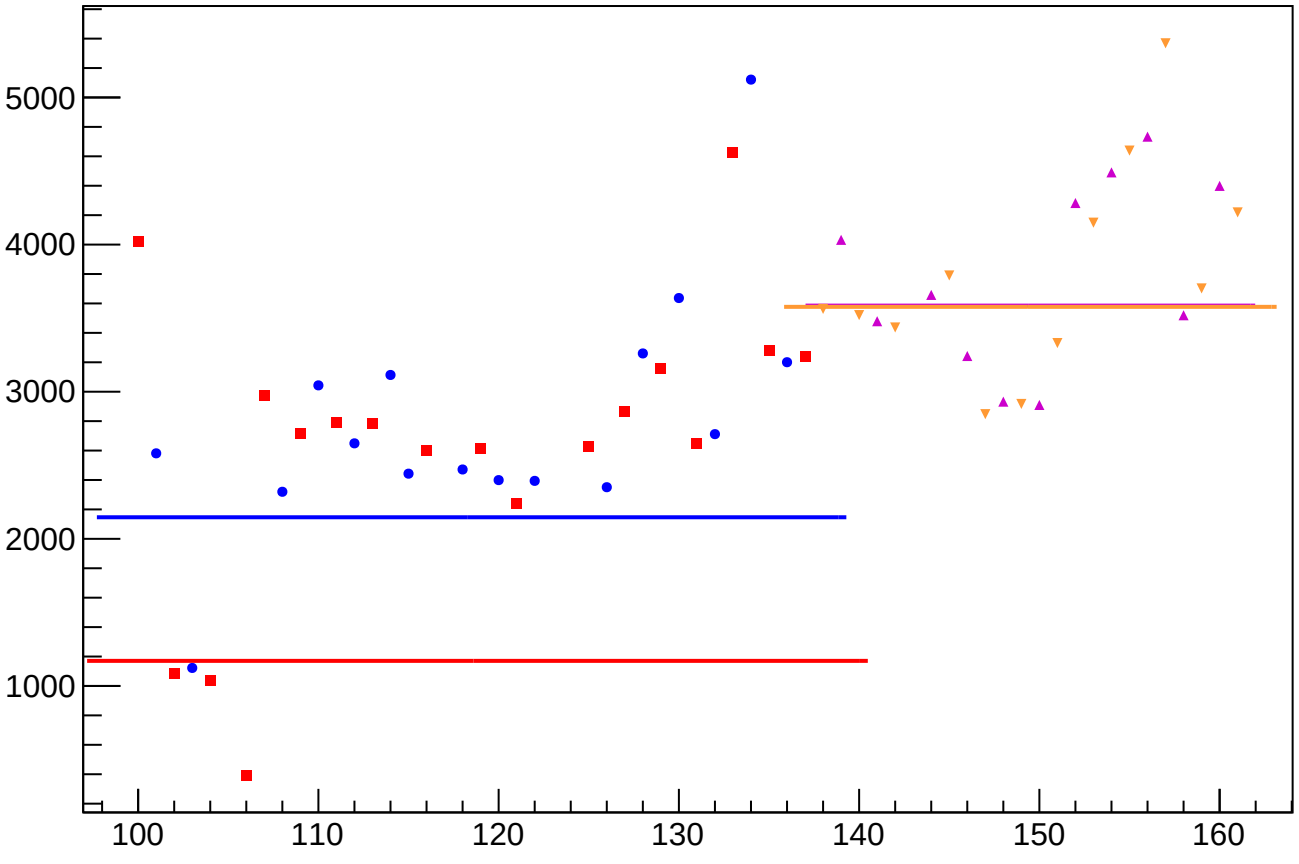
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 1011.992+/-1178.856 χ^2/NDF:5.3/10

+ sign 447.613+/-702.767 χ^2/NDF: 33.8/27

All: 491.716+/-412.836 χ^2/NDF: 56.1/56

- sign 514.956+/-510.137 χ^2/NDF: 22.2/28



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3576.858+/-0.836 χ^2/NDF:546749.7/11

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

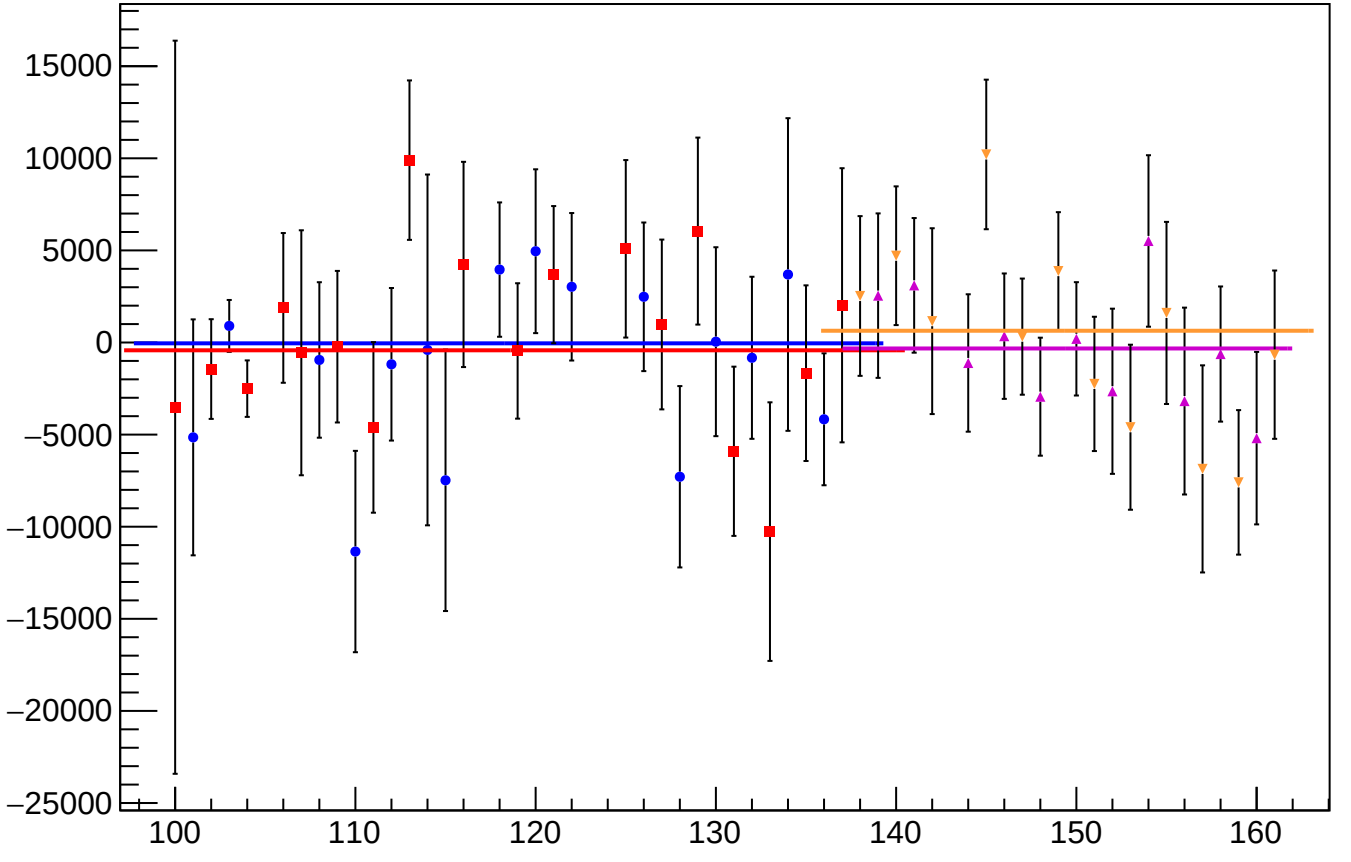
Left In: 3585.319+/-0.834 χ^2/NDF:492400.0/10

+ sign 2652.406+/-0.497 χ^2/NDF: 4414966.7/27

All: 1978.073+/-0.292 χ^2/NDF: 20357107.2/5

- sign 1622.748+/-0.361 χ^2/NDF: 13130401.3/28

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 638.260+/-1168.383 χ^2/NDF:16.3/11

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

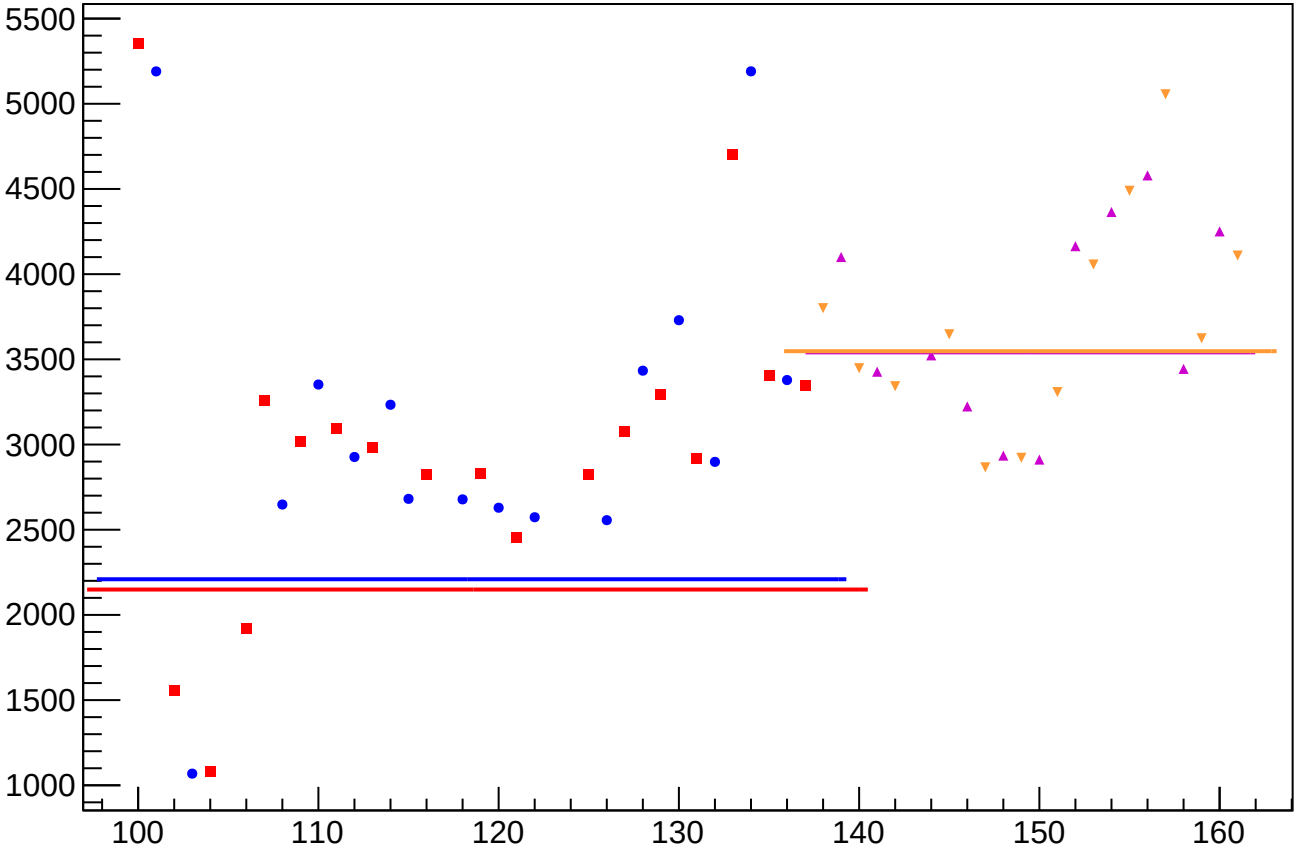
Left In: -324.197+/-1161.660 χ^2/NDF:5.3/10

+ sign 216.835+/-723.173 χ^2/NDF: 30.2/27

All: -90.396+/-506.582 χ^2/NDF: 53.2/56

- sign -386.406+/-709.842 χ^2/NDF: 22.7/28

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3547.750+/-0.826 χ^2/NDF:464597.0/11

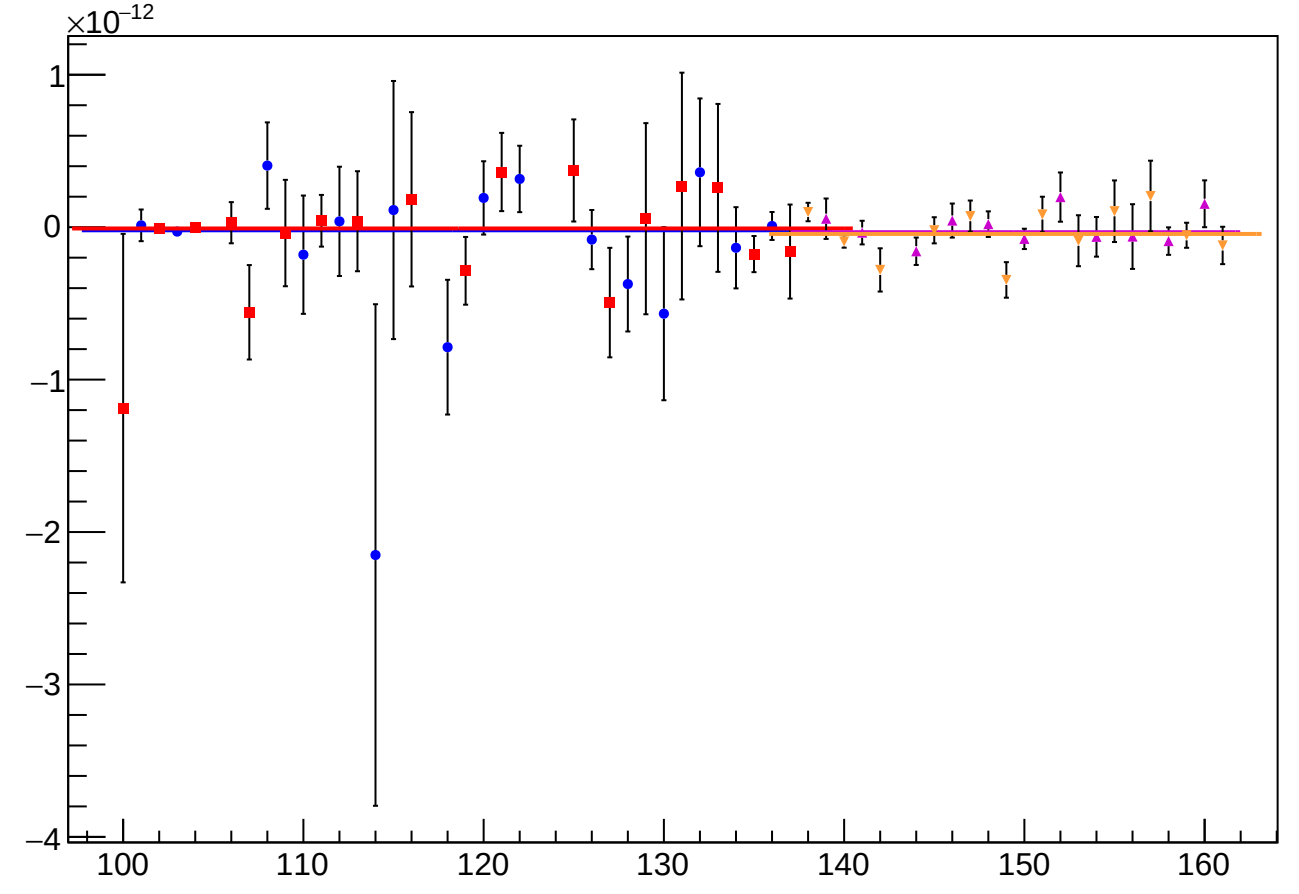
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3540.942+/-0.821 χ^2/NDF:438555.8/10

+ sign 2722.091+/-0.511 χ^2/NDF: 4920473.9/27

All: 2694.068+/-0.358 χ^2/NDF: 9437254.8/56

- sign 2667.150+/-0.501 χ^2/NDF: 4510893.1/28



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/11

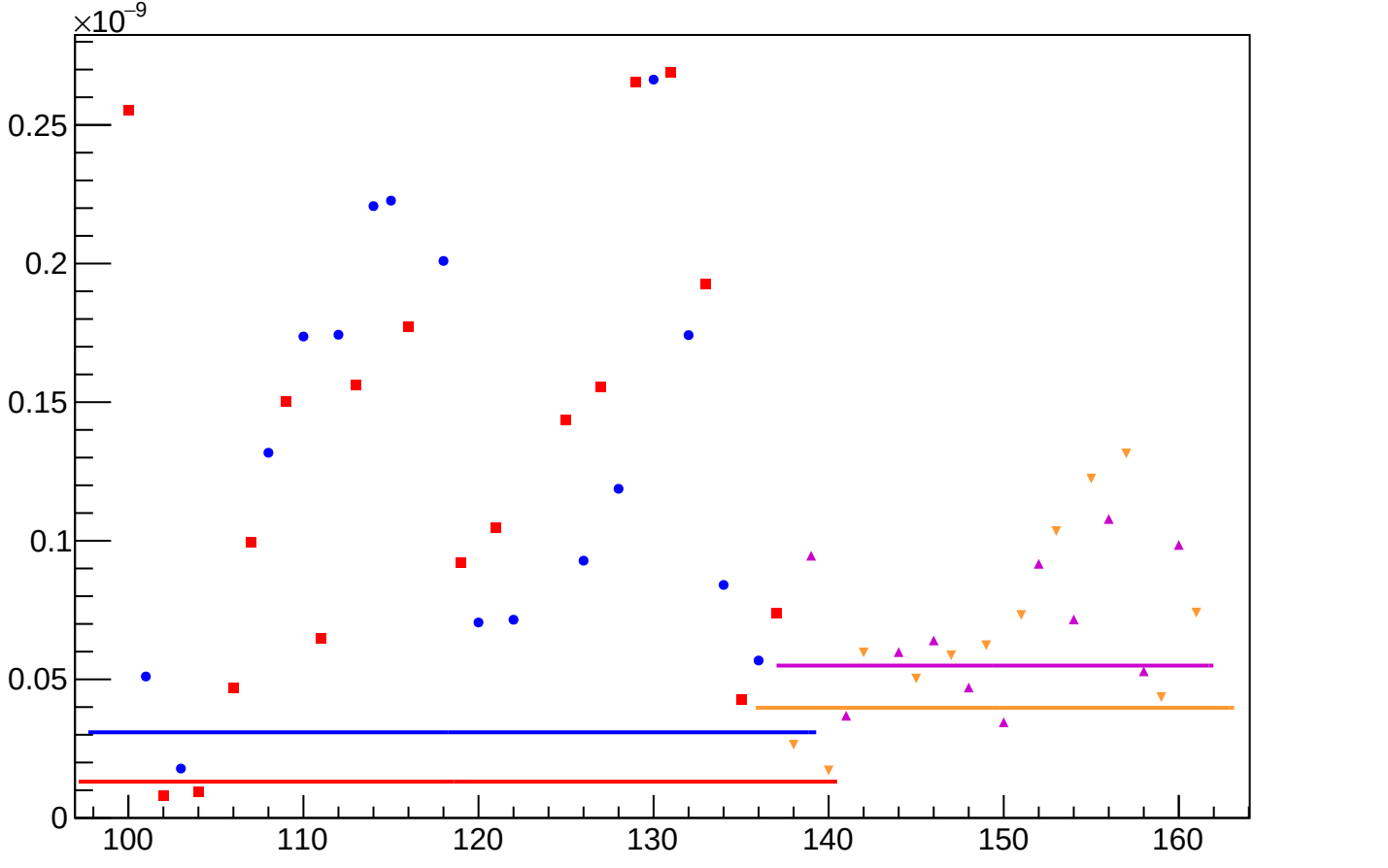
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:7.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/27

All: -0.000+/-0.000 χ^2/NDF: 58.4/56

- sign -0.000+/-0.000 χ^2/NDF: 22.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2190312.2/11

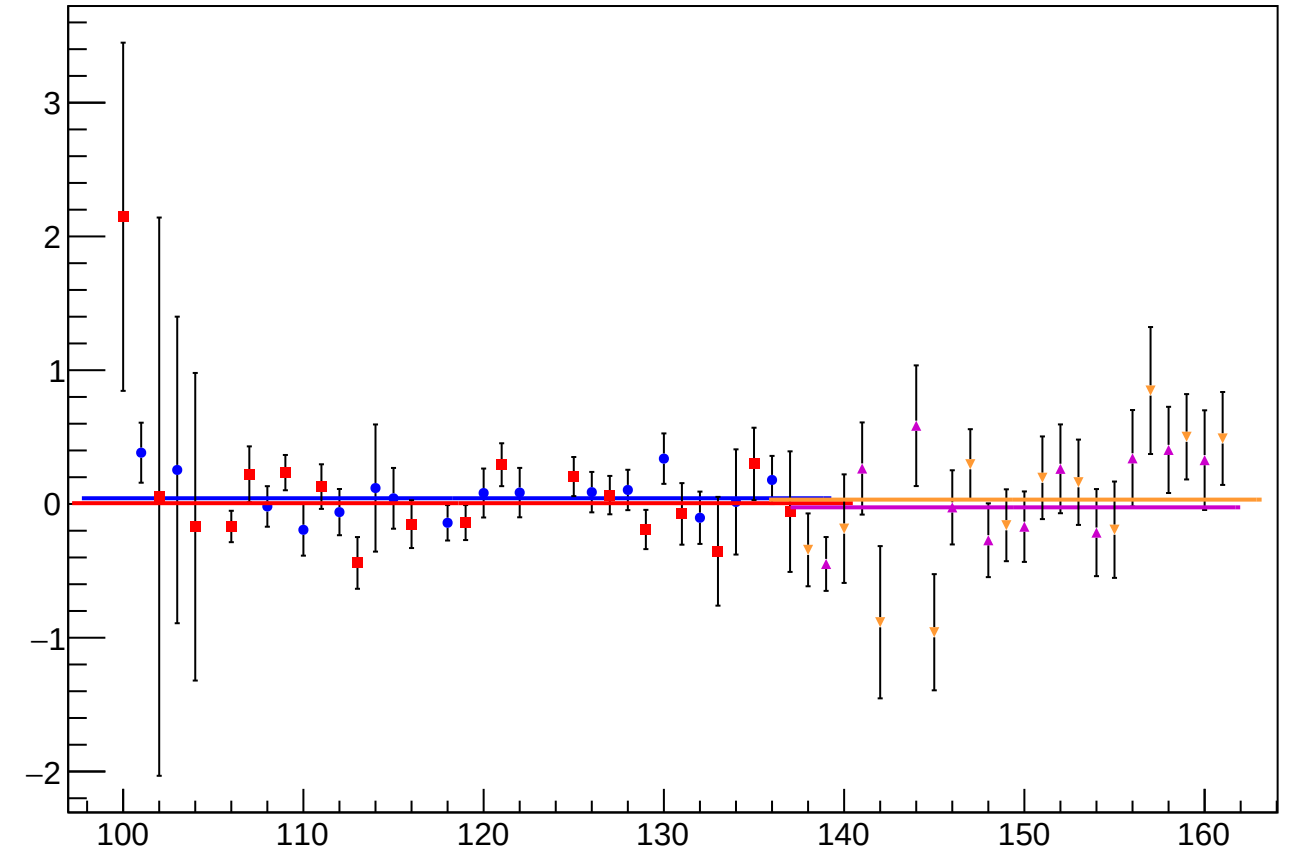
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:934752.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 5311746.1/27

All: 0.000+/-0.000 χ^2/NDF: 13773601.5/56

- sign 0.000+/-0.000 χ^2/NDF: 7648858.0/28



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.033+/-0.097 χ^2/NDF:19.2/11

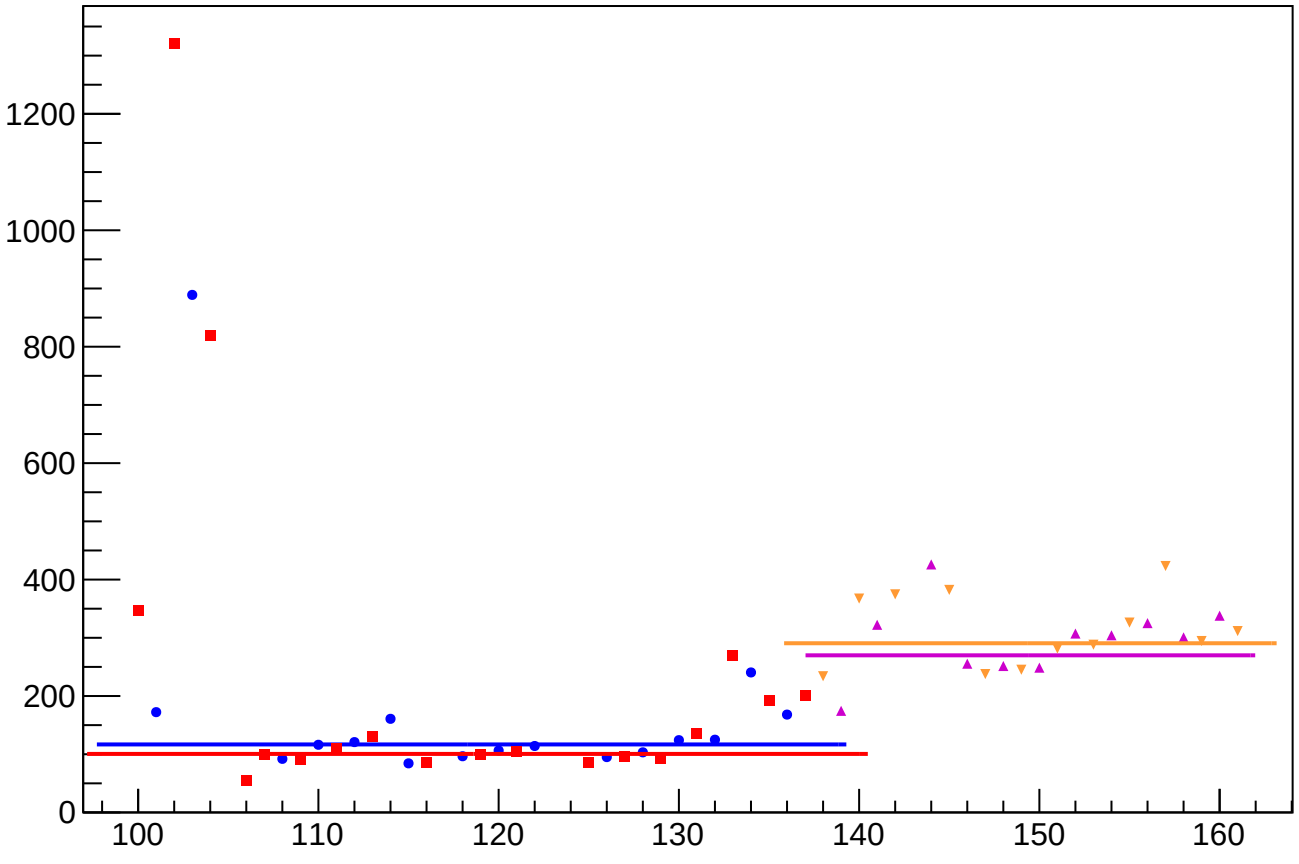
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.025+/-0.091 χ^2/NDF:12.8/10

+ sign 0.041+/-0.043 χ^2/NDF: 29.5/27

All: 0.019+/-0.029 χ^2/NDF: 69.0/56

- sign 0.000+/-0.039 χ^2/NDF: 39.0/28



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 290.643+/-0.068 χ^2/NDF:614788.2/11

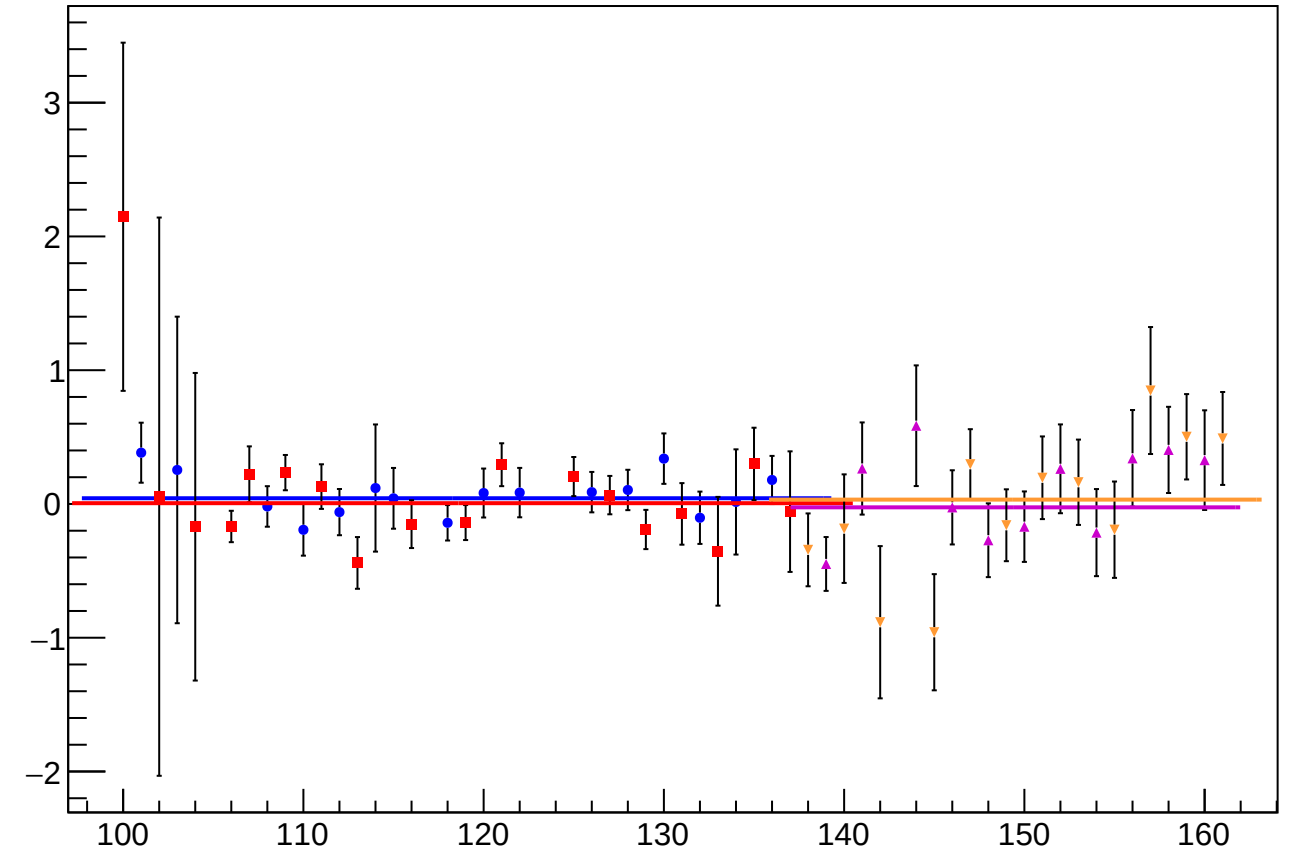
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 269.905+/-0.064 χ^2/NDF:941548.7/10

+ sign 150.580+/-0.030 χ^2/NDF: 7441024.9/27

All: 140.546+/-0.020 χ^2/NDF: 16927676.6/56

- sign 132.082+/-0.028 χ^2/NDF: 9282185.9/28



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.033+/-0.097 χ^2/NDF:19.2/11

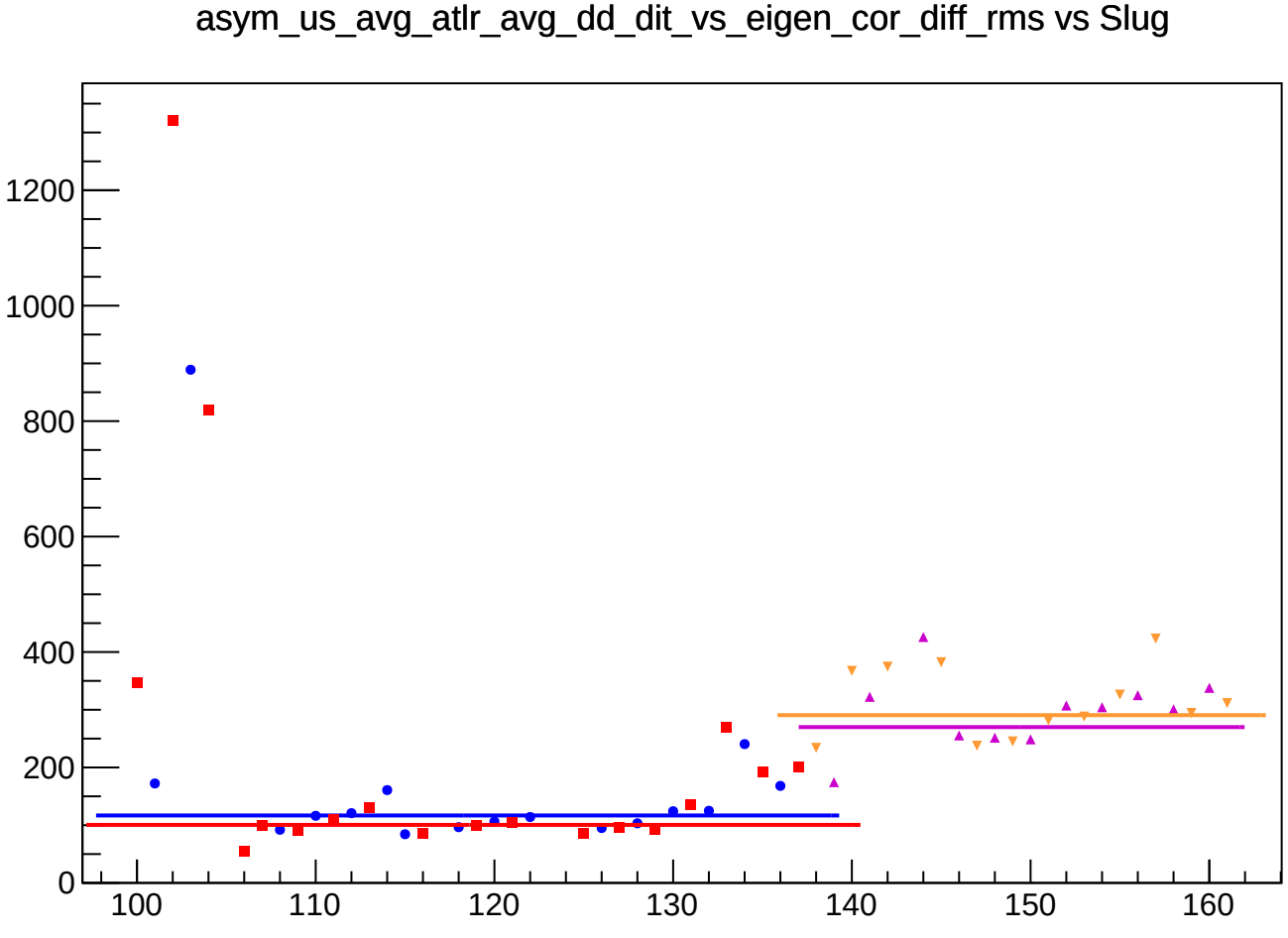
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.025+/-0.091 χ^2/NDF:12.8/10

+ sign 0.041+/-0.043 χ^2/NDF: 29.5/27

All: 0.019+/-0.029 χ^2/NDF: 69.0/56

- sign 0.000+/-0.039 χ^2/NDF: 39.0/28



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 290.643+/-0.068 χ^2/NDF:614788.2/11

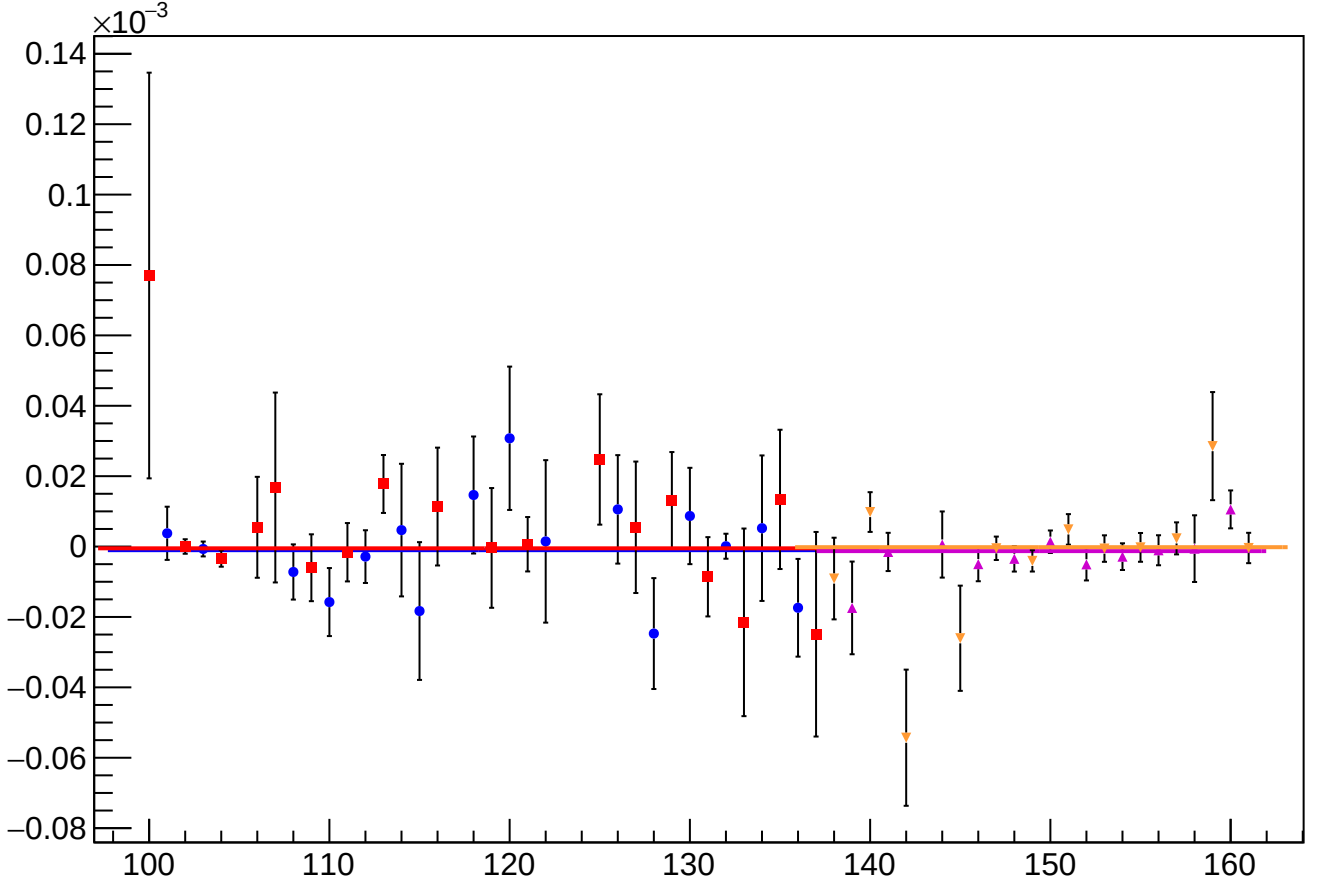
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 269.905+/-0.064 χ^2/NDF:941548.7/10

+ sign 150.580+/-0.030 χ^2/NDF: 7441024.9/27

All: 140.546+/-0.020 χ^2/NDF: 16927676.6/56

- sign 132.082+/-0.028 χ^2/NDF: 9282185.9/28



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/11

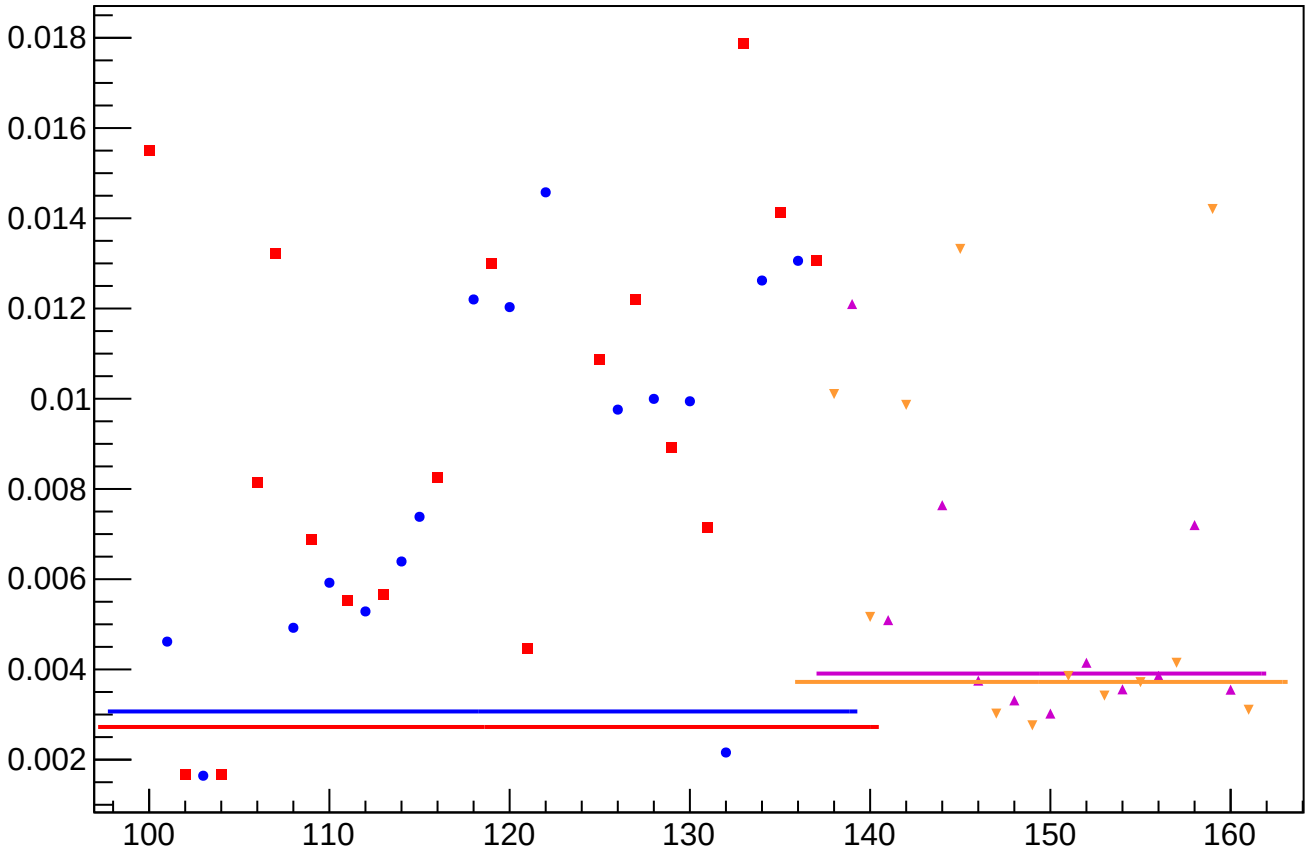
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:8.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 34.1/27

All: -0.000+/-0.000 χ^2/NDF: 58.3/56

- sign -0.000+/-0.000 χ^2/NDF: 24.1/28



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:3058700.2/11

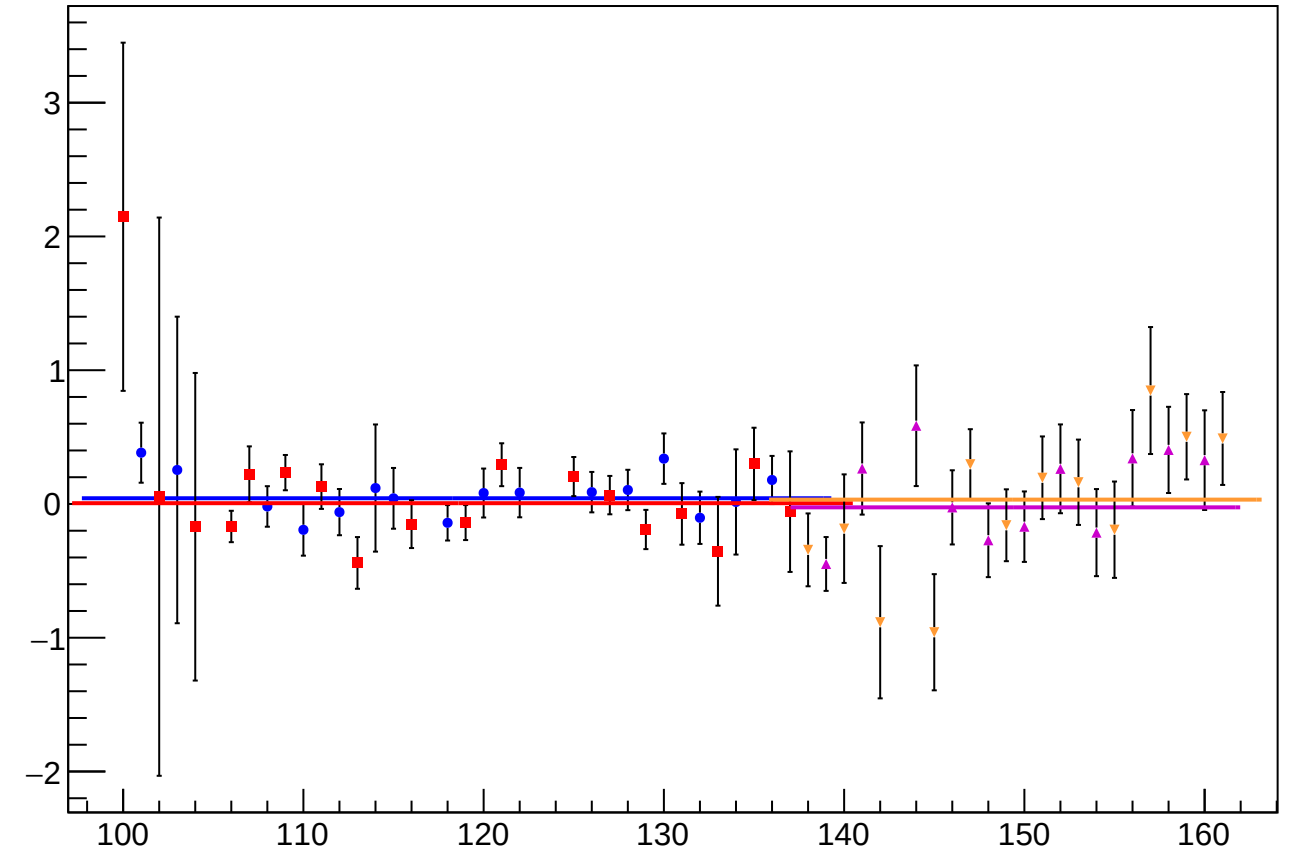
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1667549.1/10

+ sign 0.003+/-0.000 χ^2/NDF: 9219369.7/27

All: 0.003+/-0.000 χ^2/NDF: 18319449.8/56

- sign 0.003+/-0.000 χ^2/NDF: 9080188.6/28



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.033+/-0.097 χ^2/NDF:19.2/11

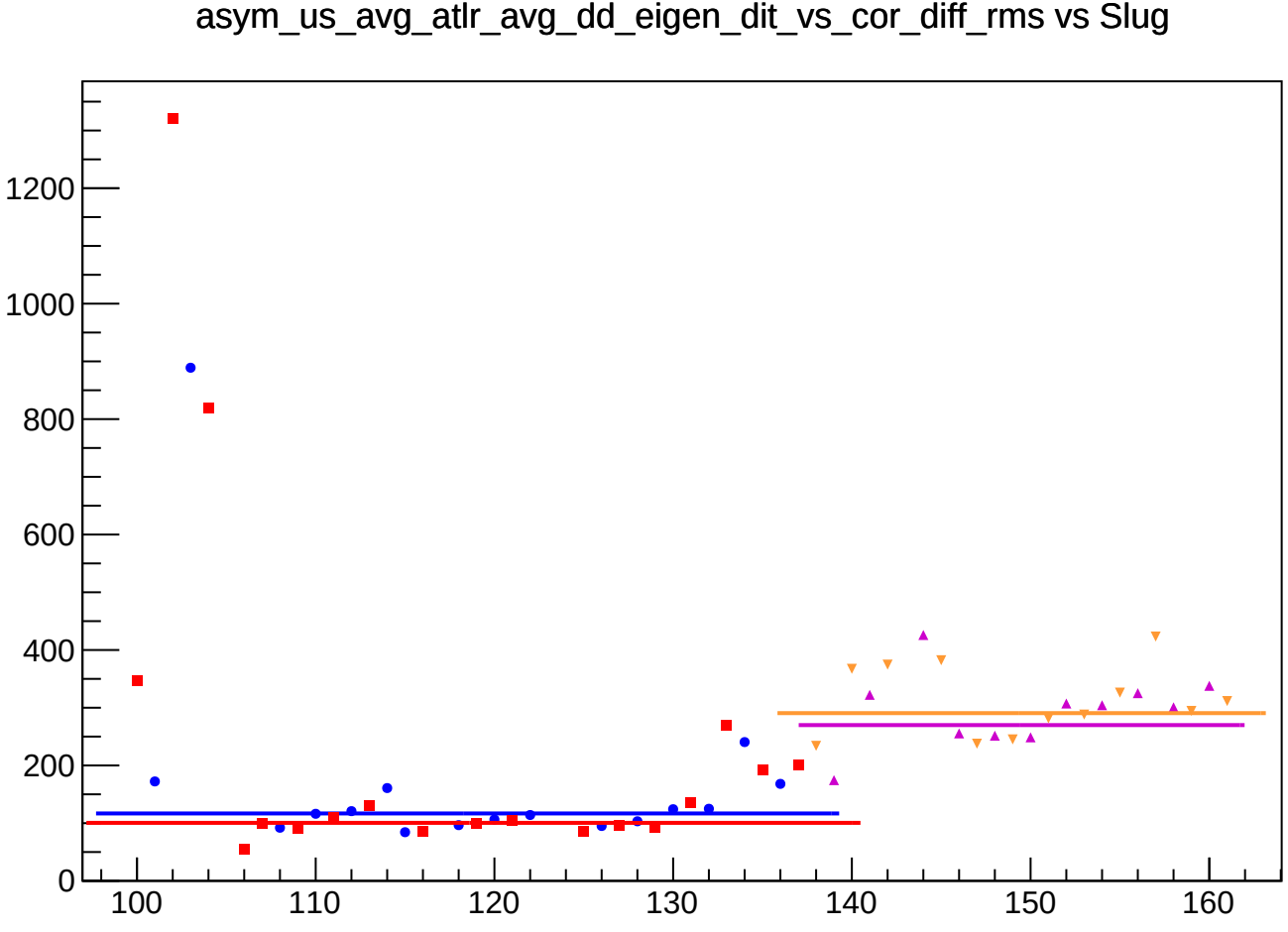
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.025+/-0.091 χ^2/NDF:12.8/10

+ sign 0.041+/-0.043 χ^2/NDF: 29.5/27

All: 0.019+/-0.029 χ^2/NDF: 69.0/56

- sign 0.000+/-0.039 χ^2/NDF: 39.0/28



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 290.646+/-0.068 χ^2/NDF:614789.6/11

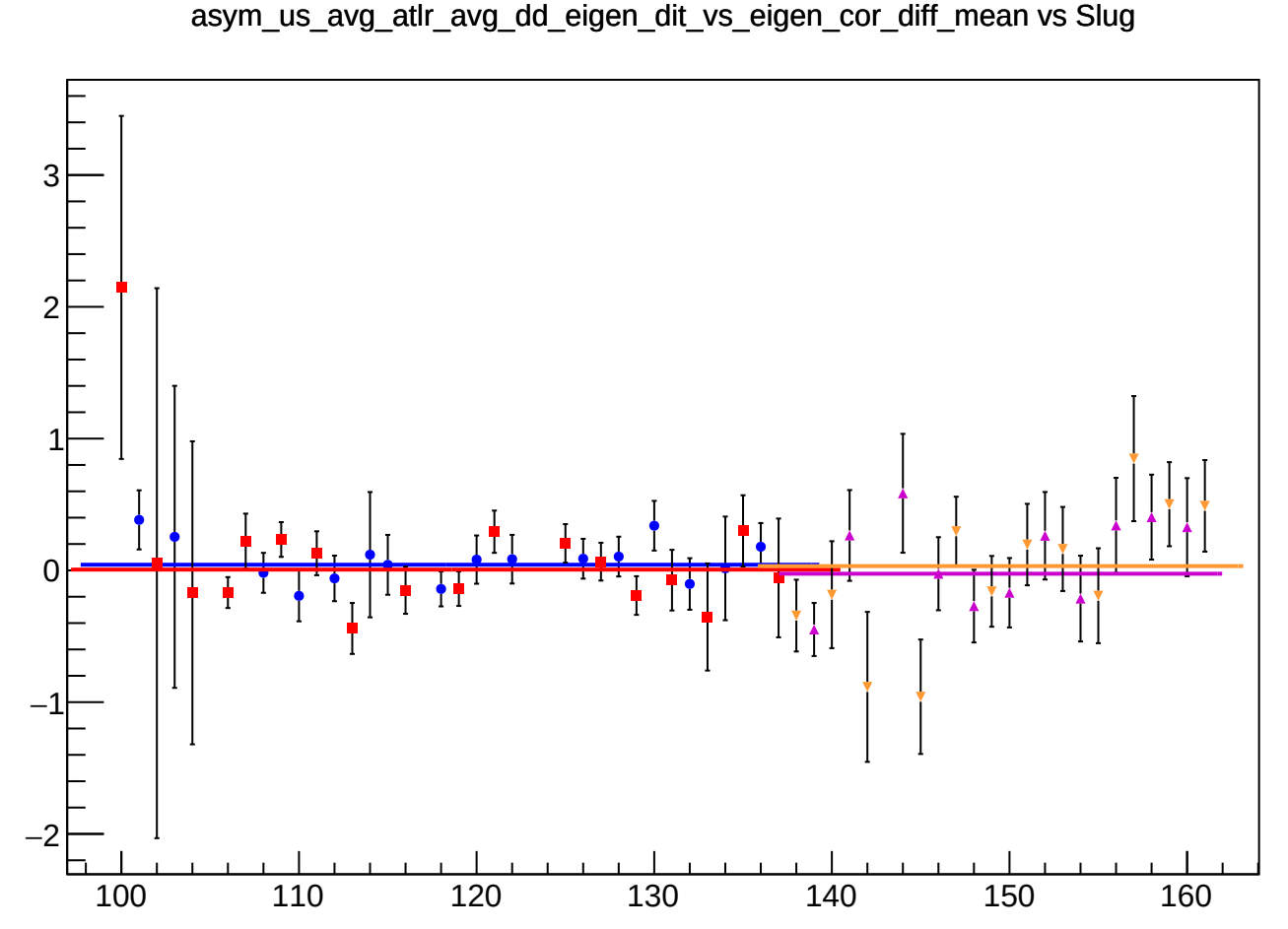
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

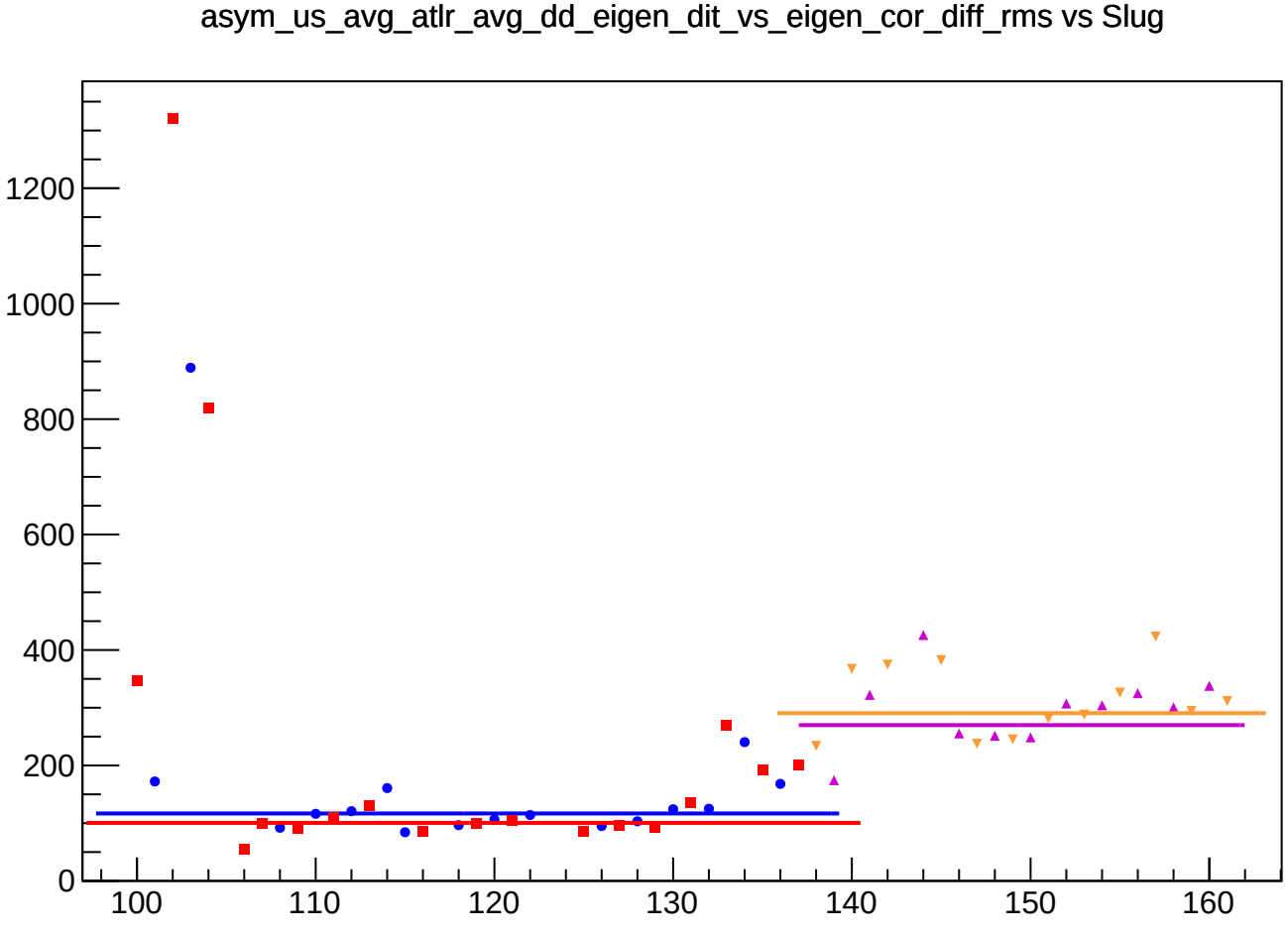
Left In: 269.908+/-0.064 χ^2/NDF:941504.8/10

+ sign 150.580+/-0.030 χ^2/NDF: 7441119.6/27

All: 140.545+/-0.020 χ^2/NDF: 16928030.9/56

- sign 132.081+/-0.028 χ^2/NDF: 9282424.3/28


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
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.033+/-0.097 χ²/NDF:19.2/11
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.025+/-0.091 χ²/NDF:12.8/10
+ sign 0.041+/-0.043 χ²/NDF: 29.5/27
All: 0.019+/-0.029 χ²/NDF: 69.0/56
- sign 0.000+/-0.039 χ²/NDF: 39.0/28



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 290.646+/-0.068 χ^2/NDF:614789.6/11

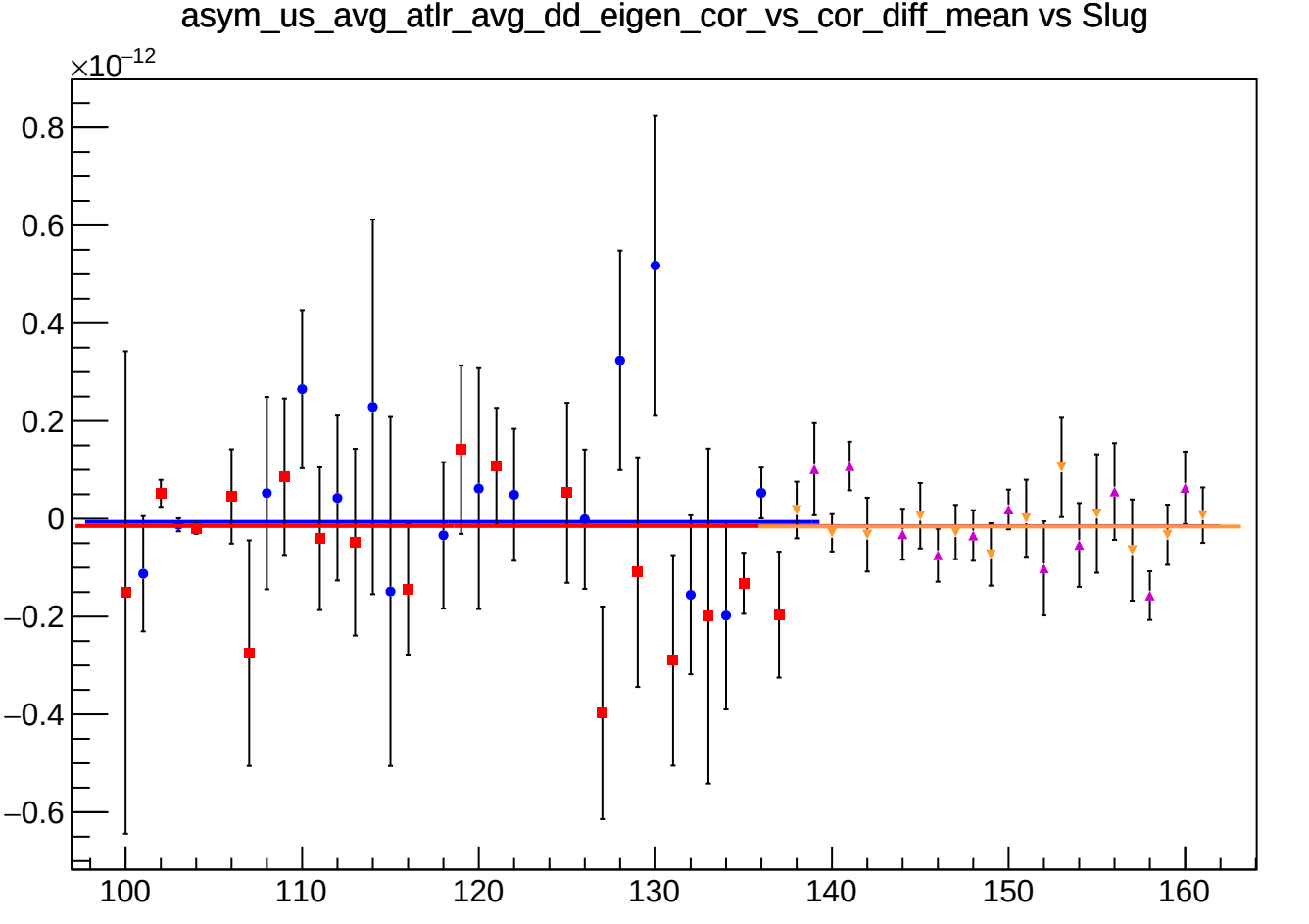
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

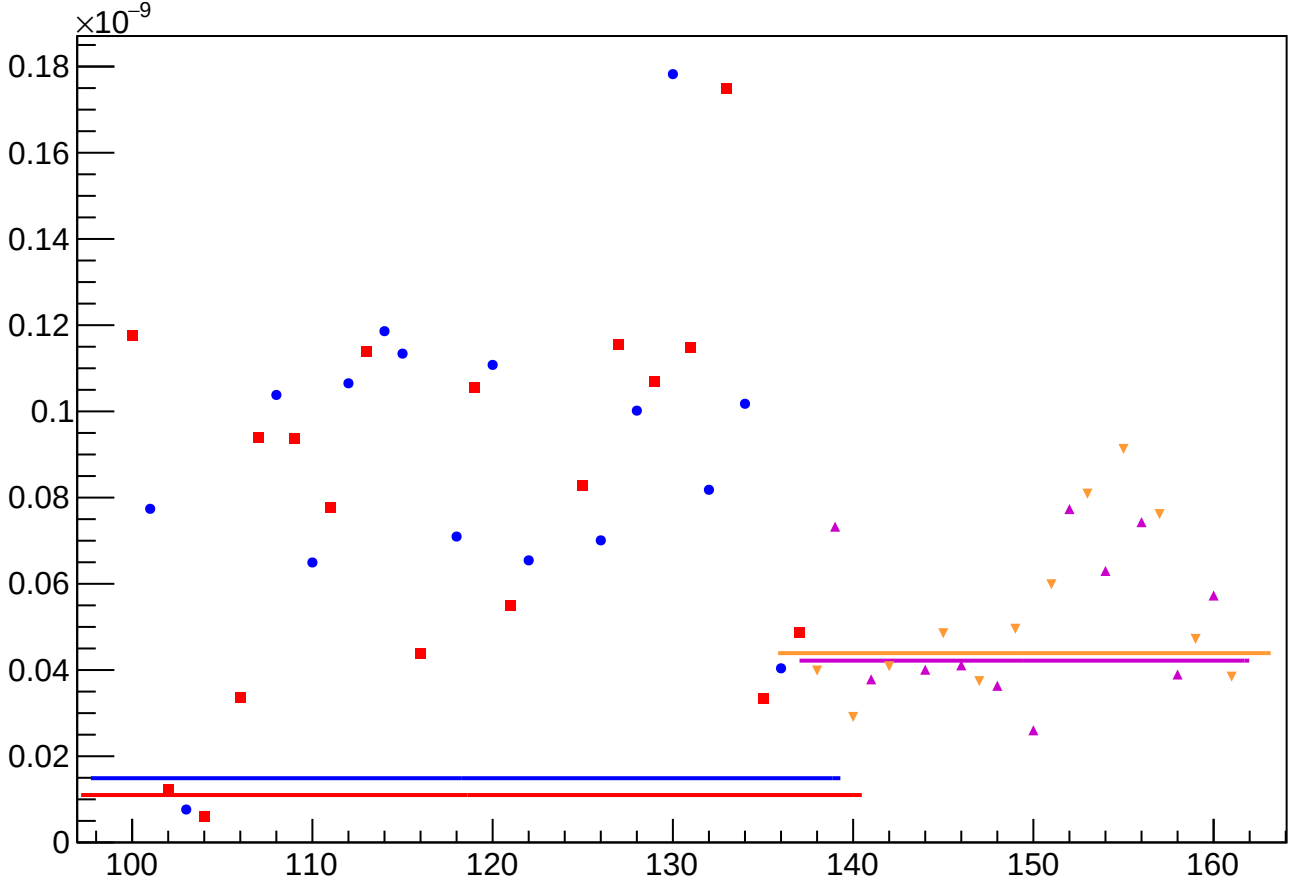
Left In: 269.908+/-0.064 χ^2/NDF:941504.8/10

+ sign 150.580+/-0.030 χ^2/NDF: 7441119.6/27

All: 140.545+/-0.020 χ^2/NDF: 16928030.9/56

- sign 132.081+/-0.028 χ^2/NDF: 9282424.3/28


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.4/11
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: -0.000+/-0.000 χ²/NDF:20.6/10
+ sign -0.000+/-0.000 χ²/NDF: 16.6/27
All: -0.000+/-0.000 χ²/NDF: 59.3/56
- sign -0.000+/-0.000 χ²/NDF: 42.5/28



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1238063.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

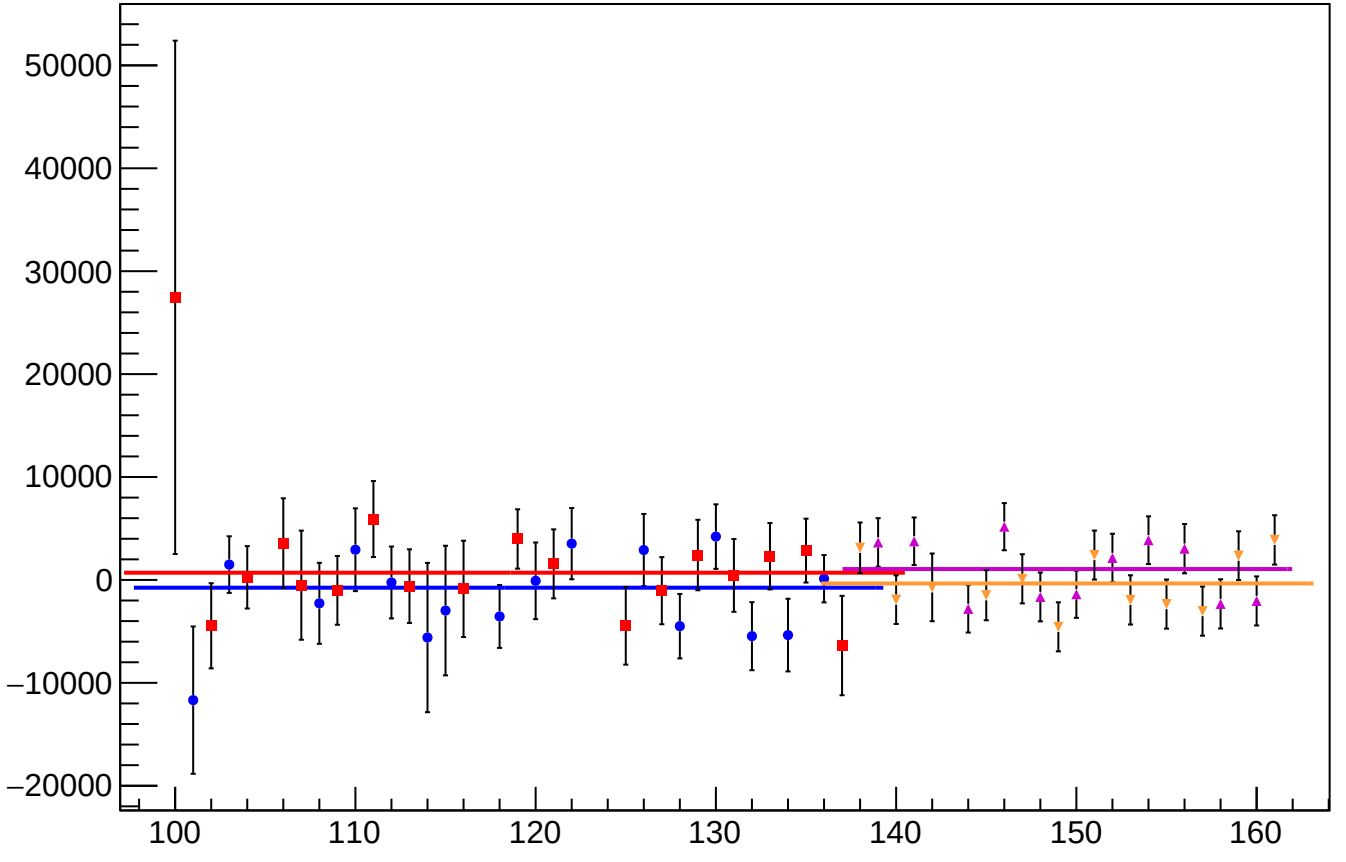
Left In: 0.000+/-0.000 χ^2/NDF:1267377.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 10533462.5/27

All: 0.000+/-0.000 χ^2/NDF: 22699488.2/56

- sign 0.000+/-0.000 χ^2/NDF: 11807298.3/28

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -341.435+/-705.136 χ^2/NDF:14.0/11

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

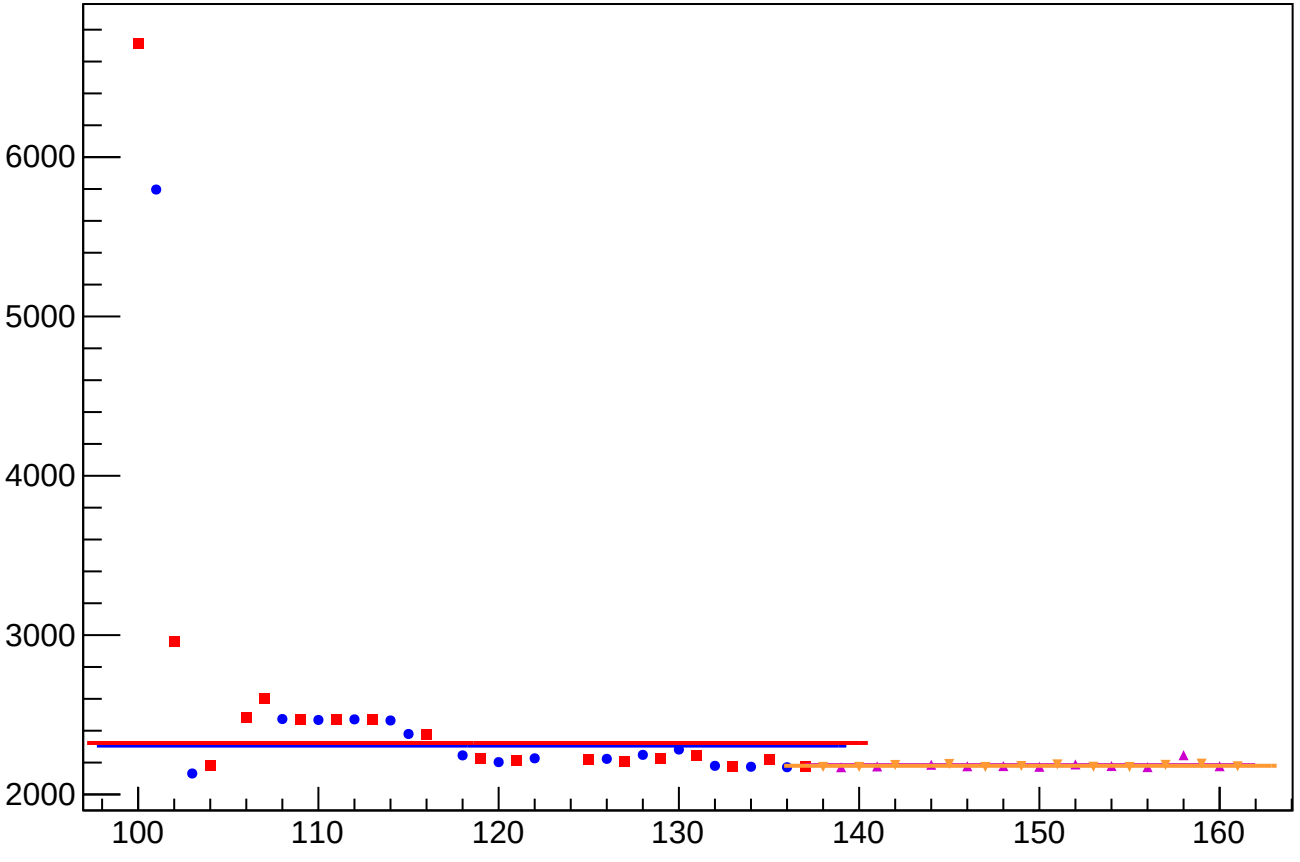
Left In: 1059.575+/-706.339 χ^2/NDF:17.1/10

+ sign -504.518+/-548.462 χ^2/NDF: 30.0/27

All: 206.970+/-387.667 χ^2/NDF: 62.9/56

- sign 917.328+/-548.026 χ^2/NDF: 29.6/28

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.904+/-0.499 χ^2/NDF:241.4/11

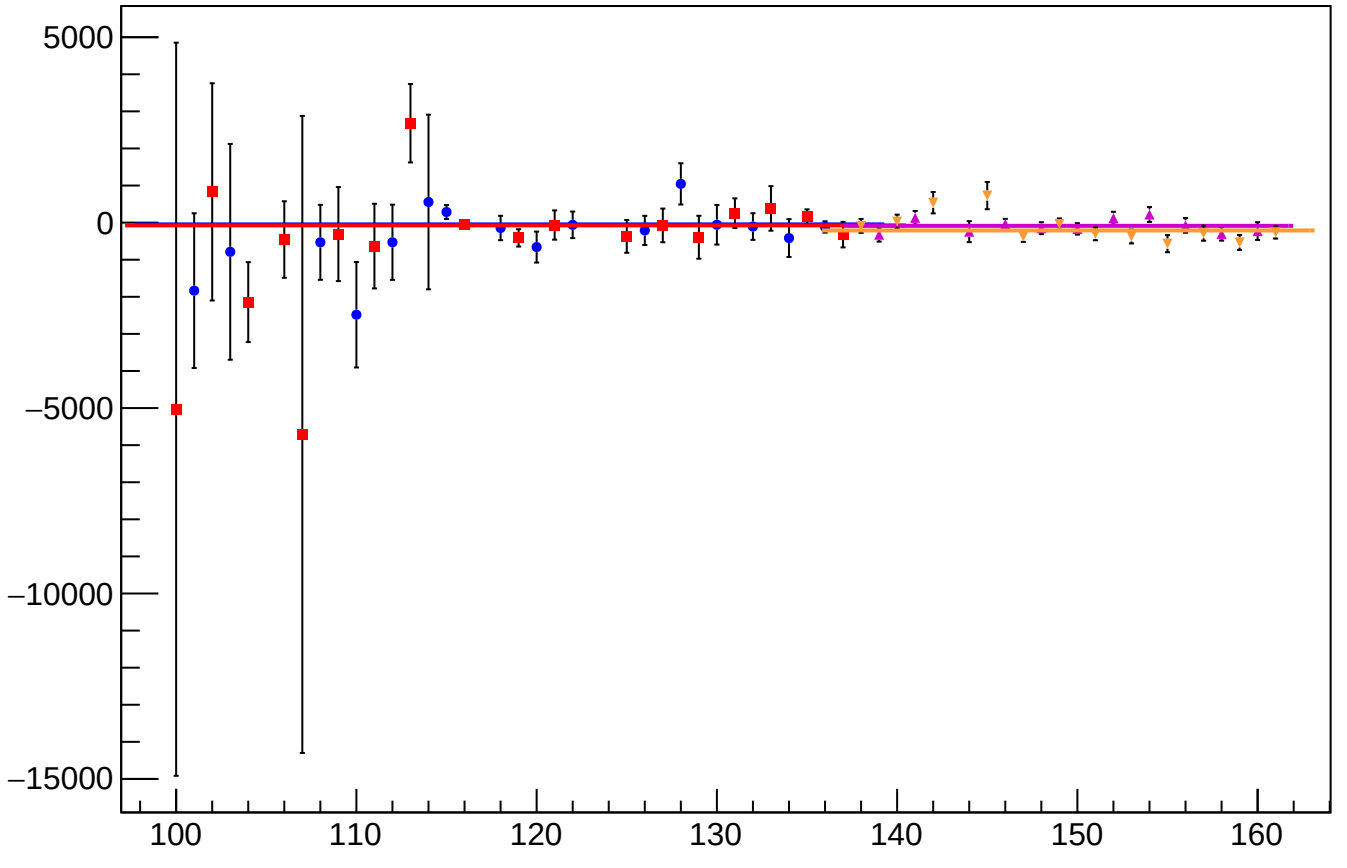
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2183.856+/-0.499 χ^2/NDF:1604.7/10

+ sign 2229.967+/-0.388 χ^2/NDF: 539914.0/27

All: 2234.609+/-0.274 χ^2/NDF: 724488.9/56

- sign 2239.244+/-0.388 χ^2/NDF: 184288.5/28



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -210.561+/-54.904 χ^2/NDF:24.1/11

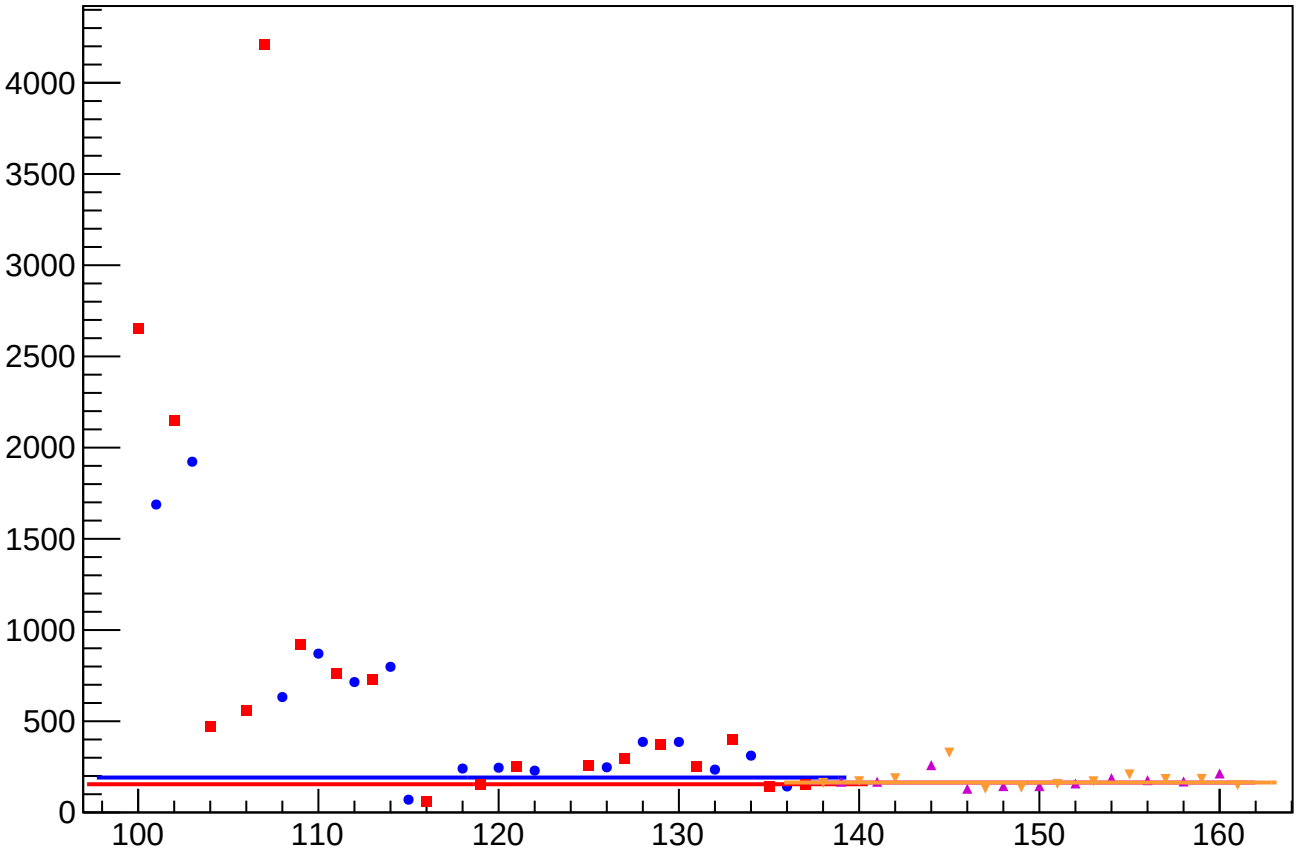
Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: -86.386+/-54.647 χ^2/NDF:9.4/10

+ sign -167.099+/-46.998 χ^2/NDF: 40.8/27

All: -123.550+/-32.705 χ^2/NDF: 69.5/56

- sign -82.663+/-45.539 χ^2/NDF: 27.1/28



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 164.164+/-0.039 χ^2/NDF:716290.5/11

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

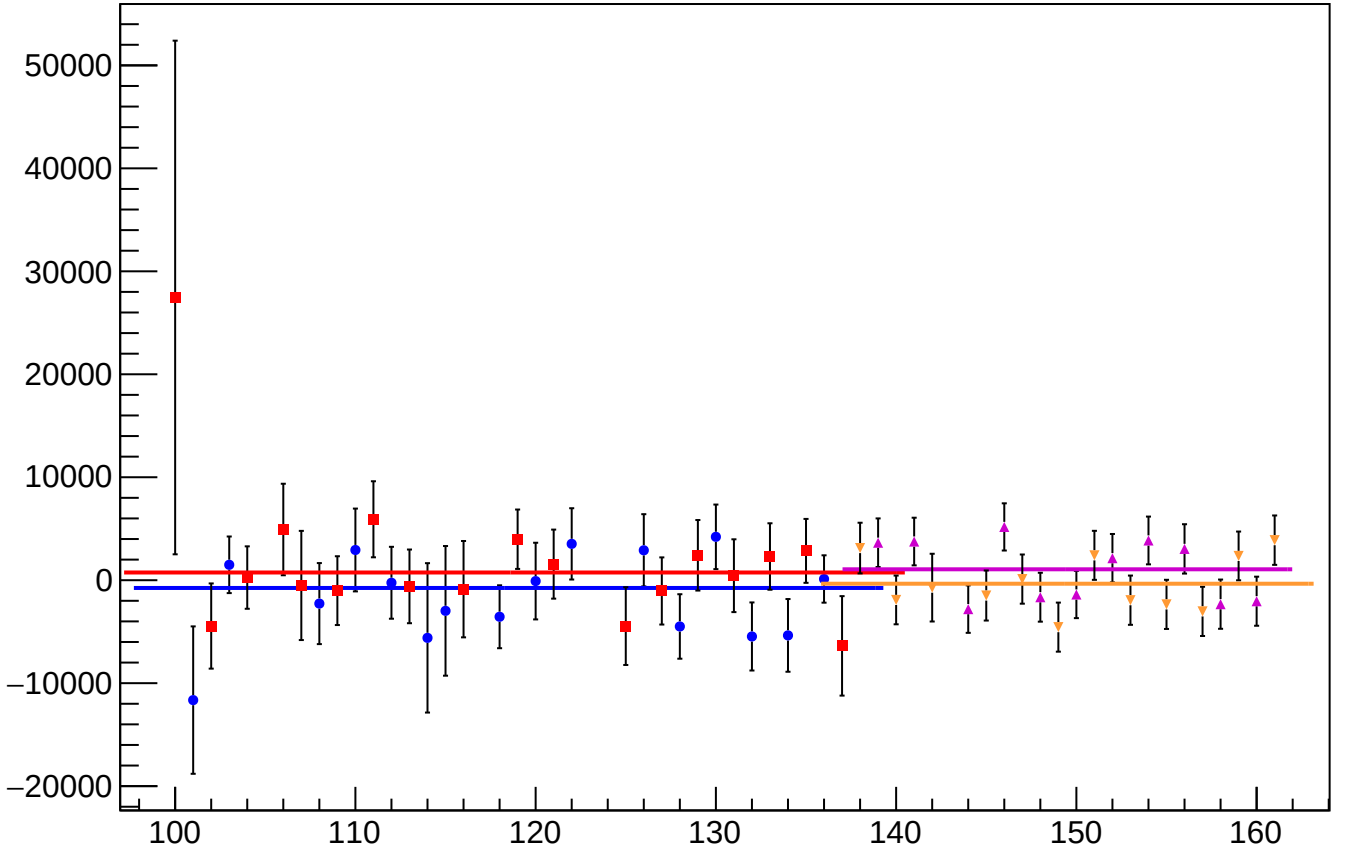
Left In: 163.911+/-0.039 χ^2/NDF:538138.9/10

+ sign 171.437+/-0.033 χ^2/NDF: 5912382.2/27

All: 166.100+/-0.023 χ^2/NDF: 12672259.7/56

- sign 161.090+/-0.032 χ^2/NDF: 6709875.6/28

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -341.419+/-705.136 χ^2/NDF:14.0/11

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

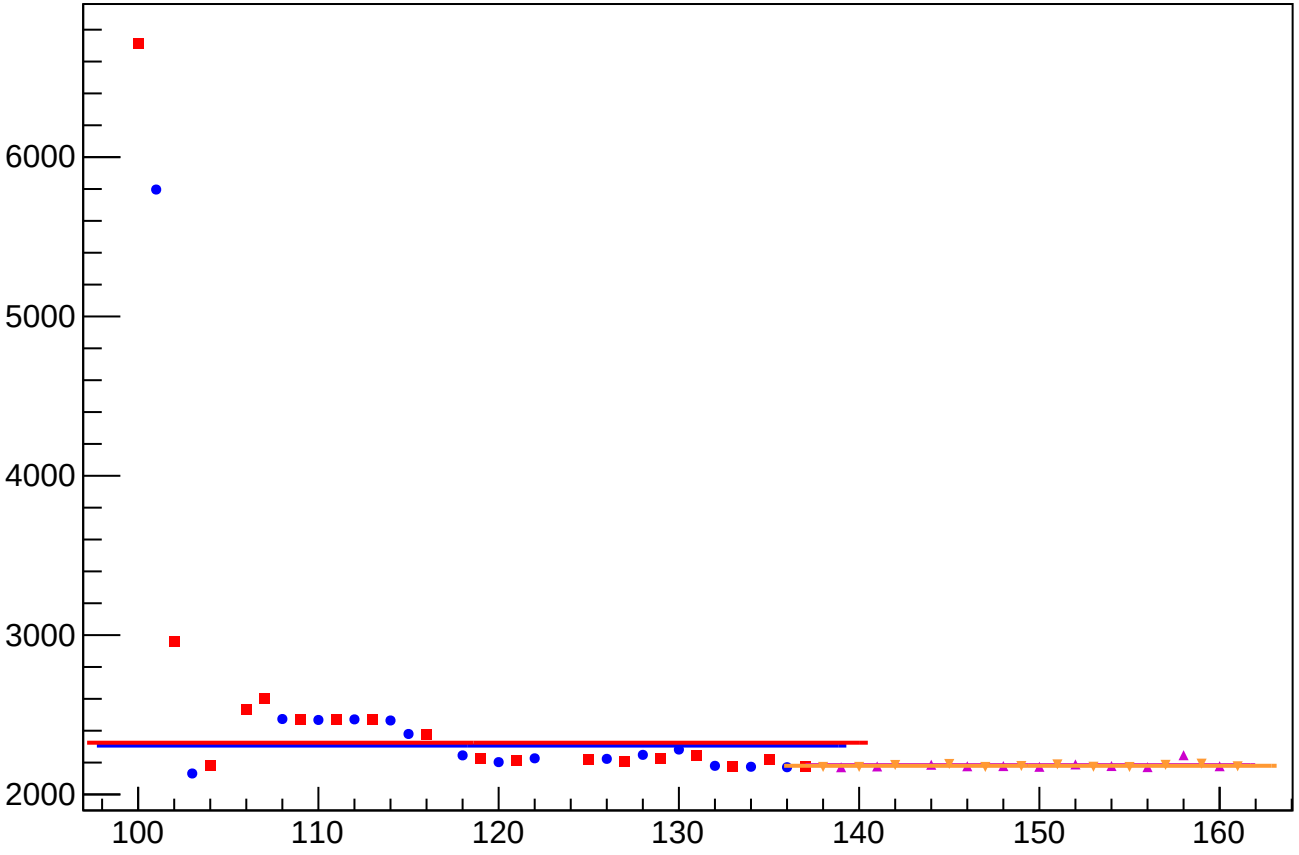
Left In: 1059.463+/-706.339 χ^2/NDF:17.1/10

+ sign -504.125+/-548.462 χ^2/NDF: 30.0/27

All: 216.342+/-387.731 χ^2/NDF: 63.4/56

- sign 936.138+/-548.206 χ^2/NDF: 30.0/28

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.904+/-0.499 χ^2/NDF:241.4/11

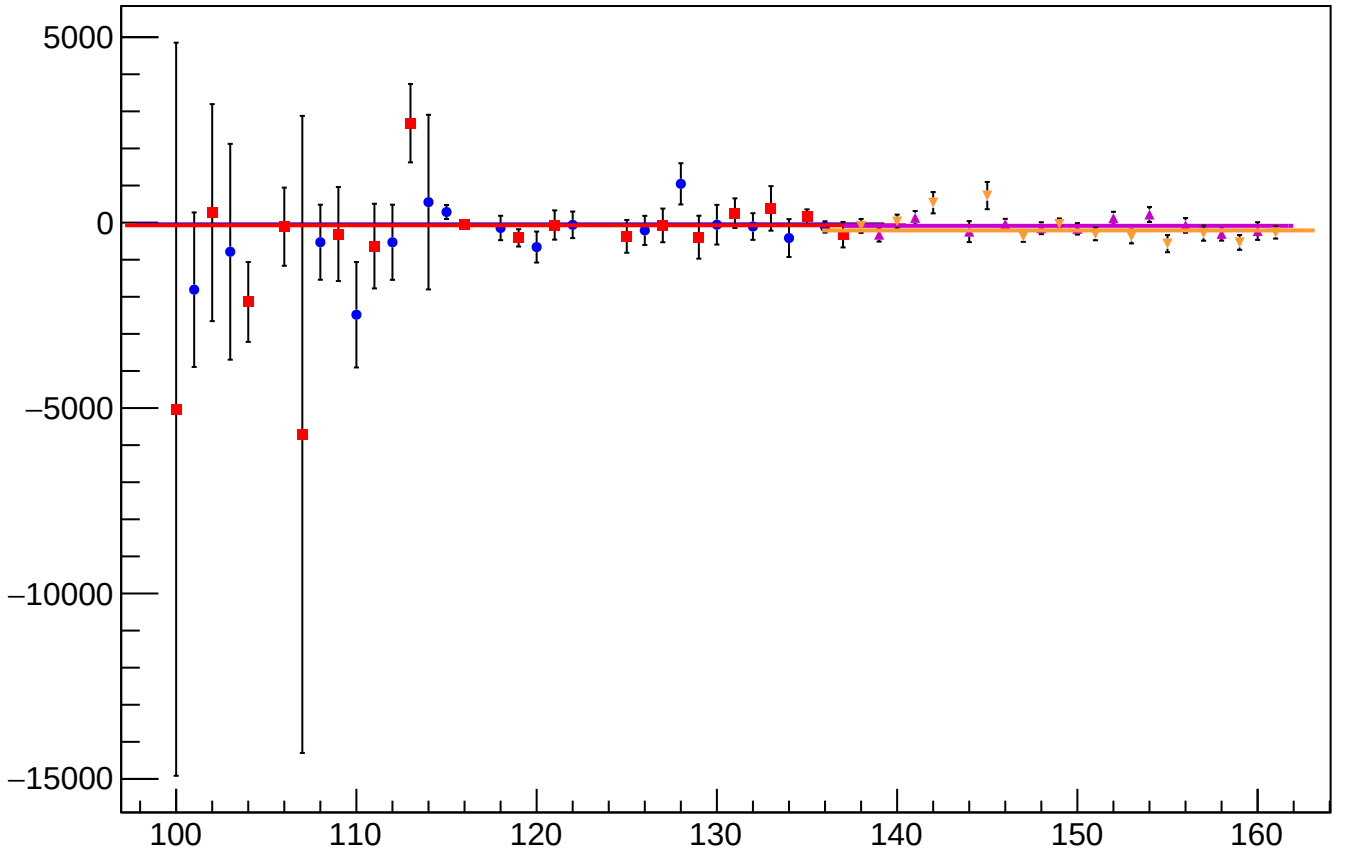
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.856+/-0.499 χ^2/NDF:1604.7/10

+ sign 2229.967+/-0.388 χ^2/NDF: 539914.3/27

All: 2234.913+/-0.274 χ^2/NDF: 727035.9/56

- sign 2239.855+/-0.388 χ^2/NDF: 186796.4/28



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -210.444+/-54.905 χ^2/NDF:24.1/11

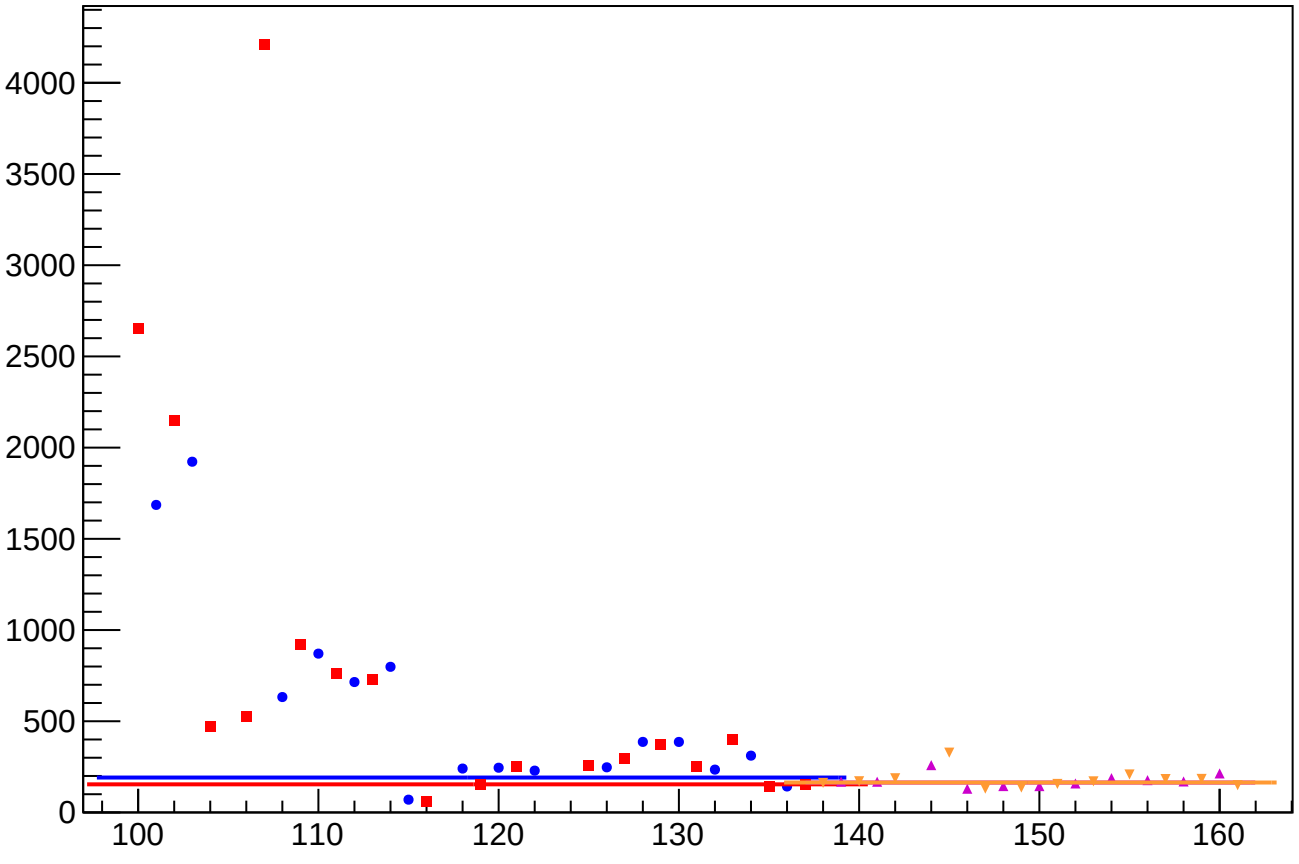
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -86.426+/-54.652 χ^2/NDF:9.4/10

+ sign -167.024+/-47.000 χ^2/NDF: 40.8/27

All: -123.201+/-32.703 χ^2/NDF: 69.3/56

- sign -82.073+/-45.532 χ^2/NDF: 26.8/28



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 164.167+/-0.039 χ^2/NDF:716395.3/11

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

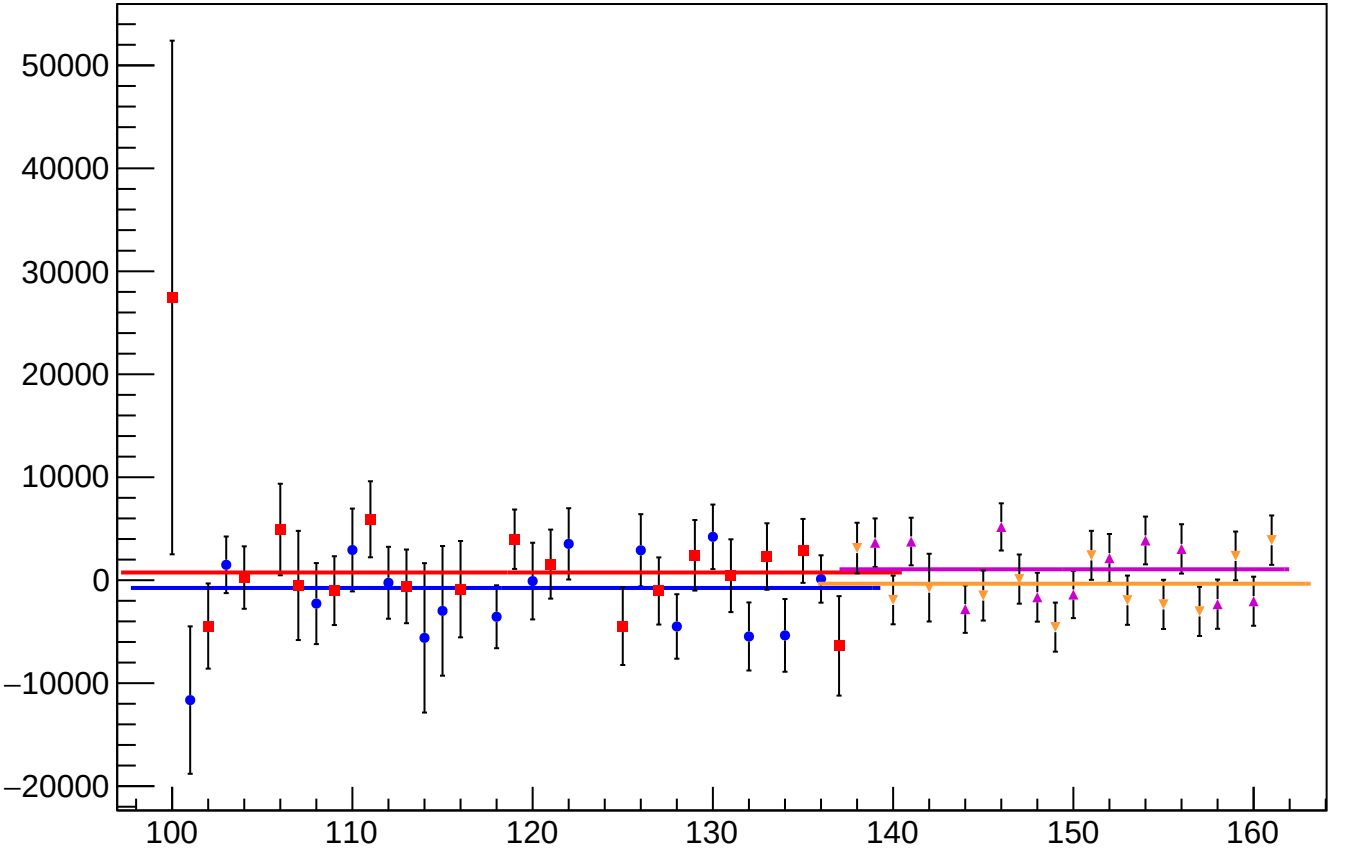
Left In: 163.928+/-0.039 χ^2/NDF:538250.9/10

+ sign 171.446+/-0.033 χ^2/NDF: 5911528.3/27

All: 166.020+/-0.023 χ^2/NDF: 12629813.8/56

- sign 160.928+/-0.032 χ^2/NDF: 6666616.5/28

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -341.419+/-705.136 χ^2/NDF:14.0/11

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

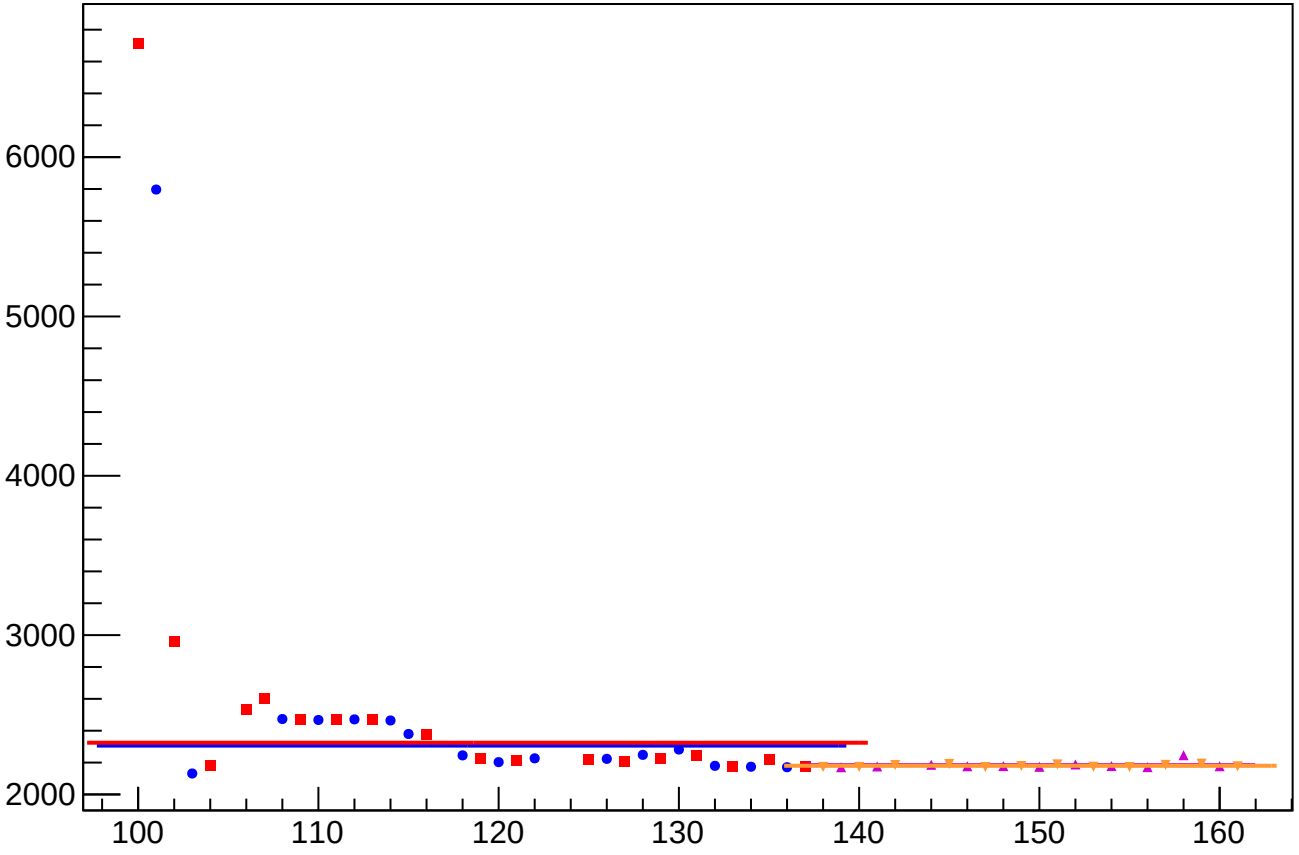
Left In: 1059.463+/-706.339 χ^2/NDF:17.1/10

+ sign -504.125+/-548.462 χ^2/NDF: 30.0/27

All: 216.342+/-387.731 χ^2/NDF: 63.4/56

- sign 936.138+/-548.206 χ^2/NDF: 30.0/28

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.904+/-0.499 χ^2/NDF:241.4/11

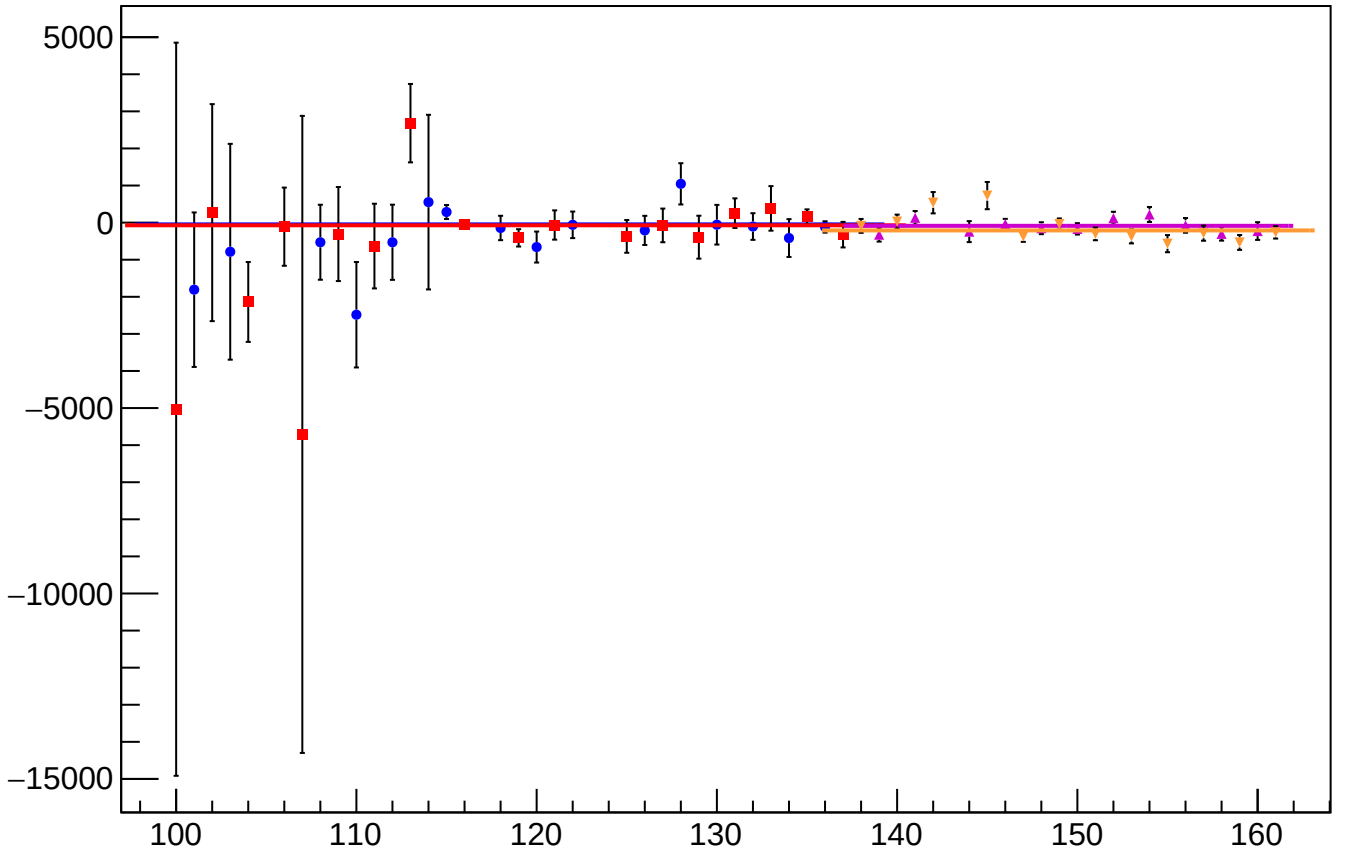
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.856+/-0.499 χ^2/NDF:1604.7/10

+ sign 2229.967+/-0.388 χ^2/NDF: 539914.3/27

All: 2234.913+/-0.274 χ^2/NDF: 727035.9/56

- sign 2239.855+/-0.388 χ^2/NDF: 186796.4/28



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -210.444+/-54.905 χ^2/NDF:24.1/11

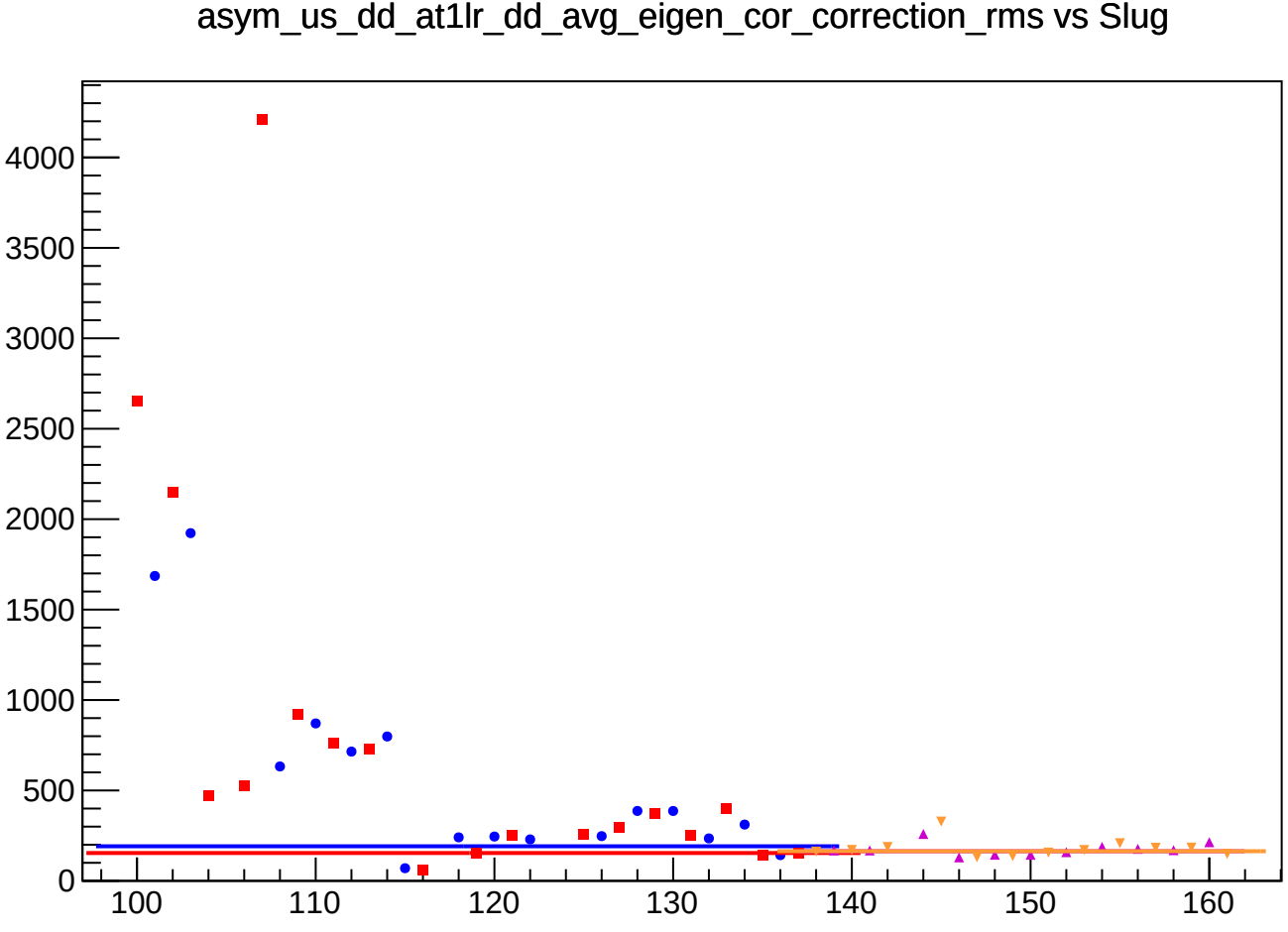
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -86.426+/-54.652 χ^2/NDF:9.4/10

+ sign -167.024+/-47.000 χ^2/NDF: 40.8/27

All: -123.201+/-32.703 χ^2/NDF: 69.3/56

- sign -82.073+/-45.532 χ^2/NDF: 26.8/28



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 164.167+/-0.039 χ^2/NDF:716395.3/11

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

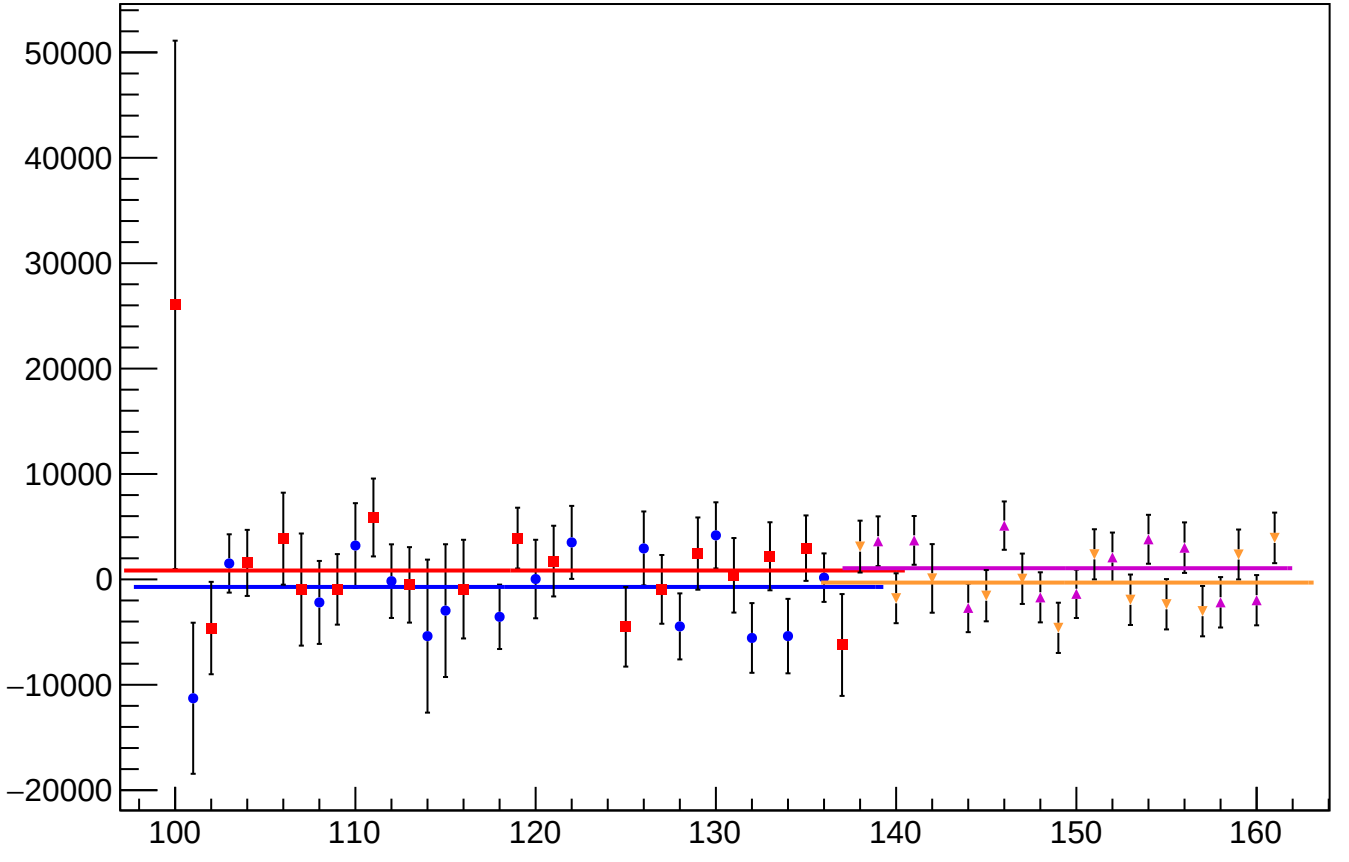
Left In: 163.928+/-0.039 χ^2/NDF:538250.9/10

+ sign 171.446+/-0.033 χ^2/NDF: 5911528.3/27

All: 166.020+/-0.023 χ^2/NDF: 12629813.8/56

- sign 160.928+/-0.032 χ^2/NDF: 6666616.5/28

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -303.912+/-705.016 χ^2/NDF:14.0/11

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

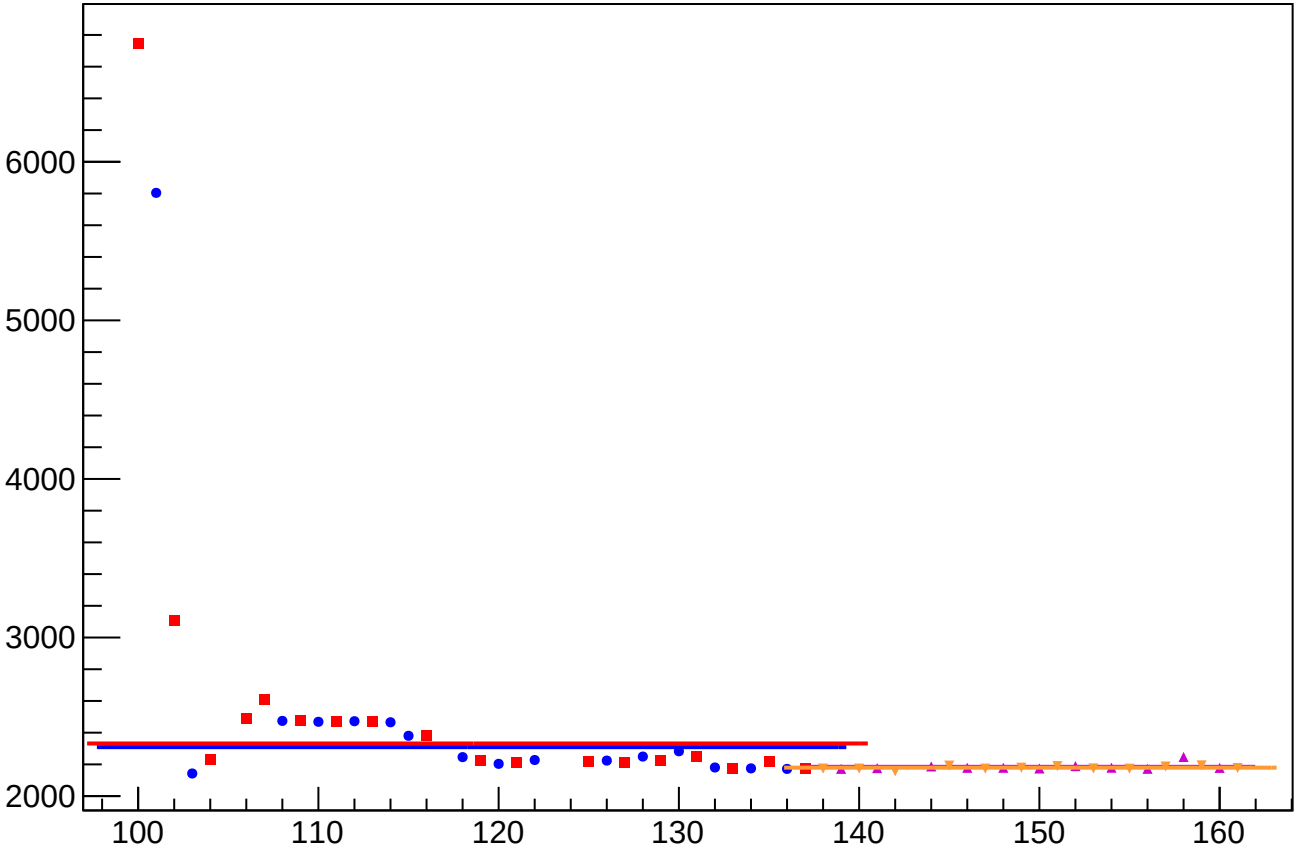
Left In: 1059.569+/-706.586 χ^2/NDF:16.4/10

+ sign -466.906+/-548.625 χ^2/NDF: 30.0/27

All: 252.355+/-388.202 χ^2/NDF: 62.1/56

- sign 973.586+/-549.376 χ^2/NDF: 28.6/28

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.262+/-0.499 χ^2/NDF:343.7/11

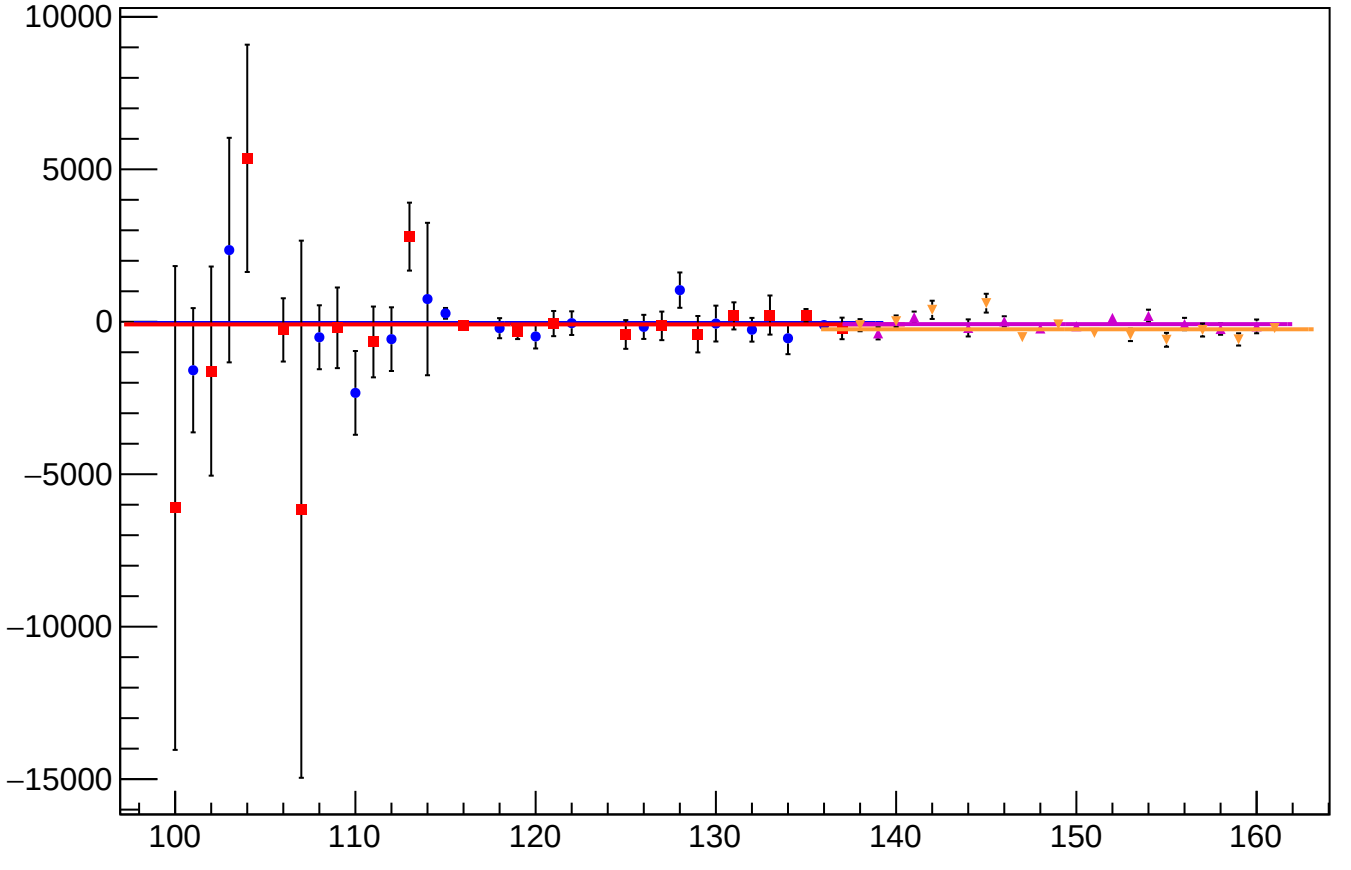
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2184.619+/-0.500 χ^2/NDF:1598.1/10

+ sign 2230.334+/-0.388 χ^2/NDF: 540693.4/27

All: 2236.582+/-0.274 χ^2/NDF: 744474.2/56

- sign 2242.846+/-0.388 χ^2/NDF: 203261.4/28



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -246.462+/-55.536 χ^2/NDF:24.9/11

Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

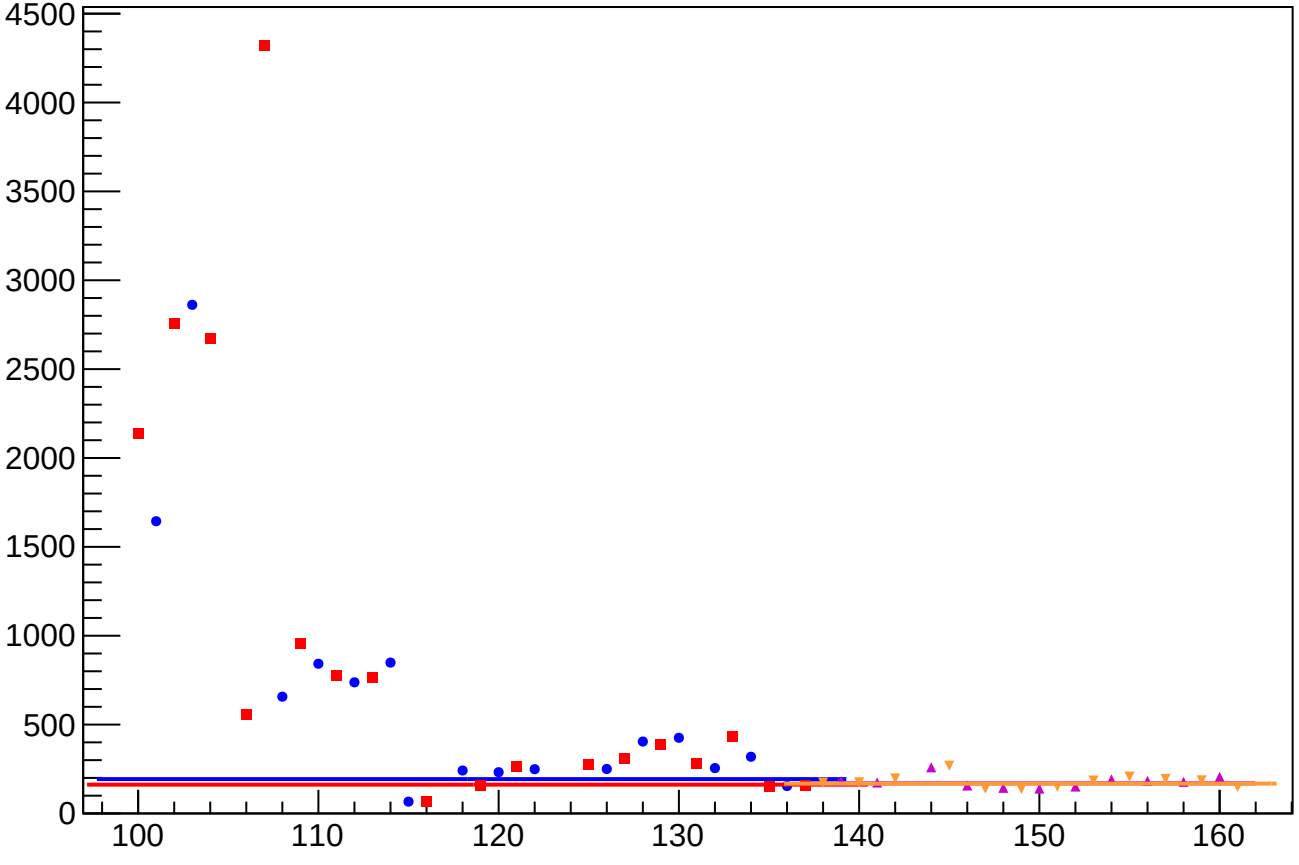
Left In: -77.361+/-55.754 χ^2/NDF:9.4/10

\+ sign -191.710+/-47.601 χ^2/NDF: 42.6/27

All: -134.916+/-33.371 χ^2/NDF: 69.8/56

\- sign -80.026+/-46.797 χ^2/NDF: 24.4/28

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 167.949+/-0.039 χ^2/NDF:558241.6/11

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

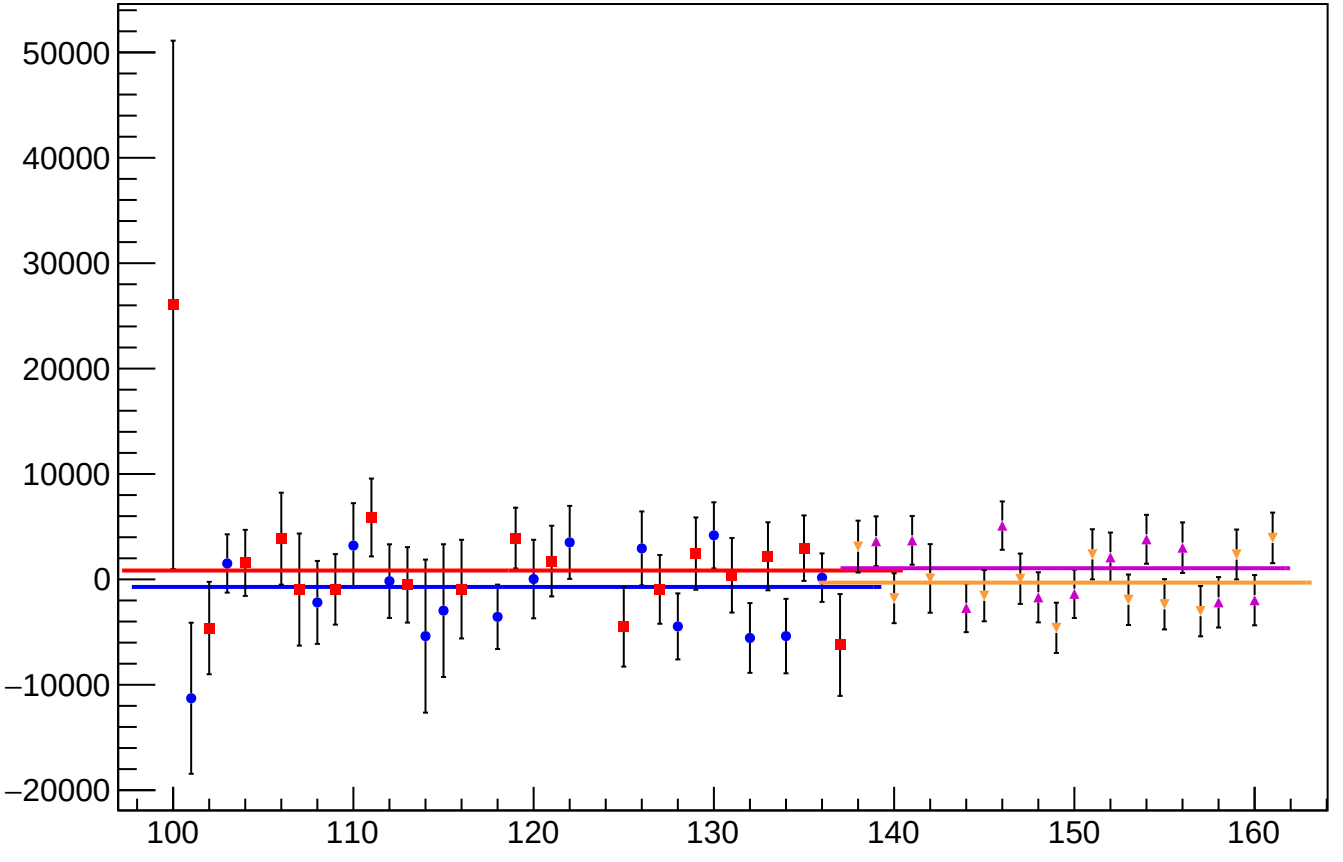
Left In: 169.367+/-0.039 χ^2/NDF:468645.8/10

+ sign 174.664+/-0.034 χ^2/NDF: 6286278.0/27

All: 170.880+/-0.024 χ^2/NDF: 13860260.5/56

- sign 167.224+/-0.033 χ^2/NDF: 7549136.4/28

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -303.913+/-705.016 χ^2/NDF:14.0/11

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

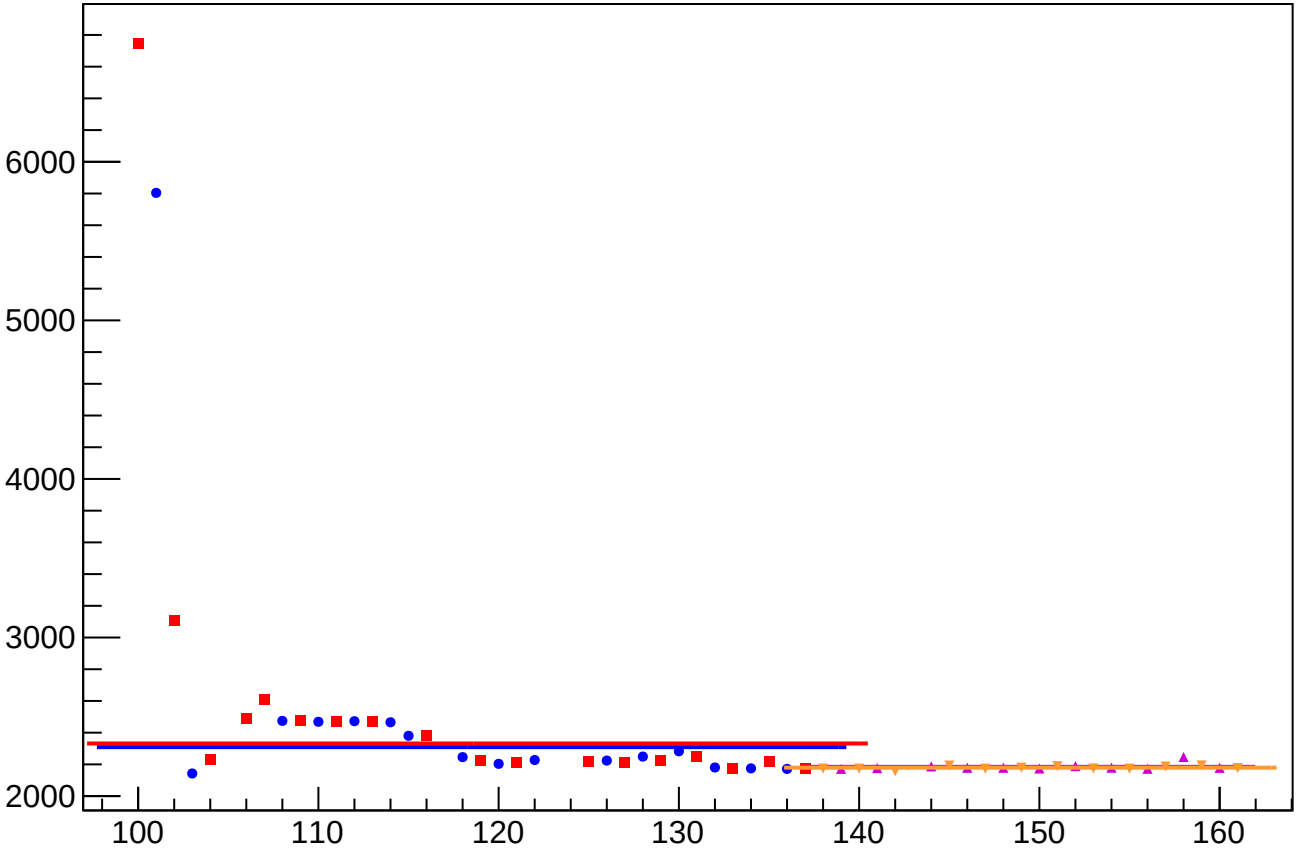
Left In: 1059.568+/-706.586 χ^2/NDF:16.4/10

+ sign -466.908+/-548.625 χ^2/NDF: 30.0/27

All: 252.355+/-388.202 χ^2/NDF: 62.1/56

- sign 973.587+/-549.376 χ^2/NDF: 28.6/28

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: 2179.262+/-0.499 χ^2/NDF:343.7/11

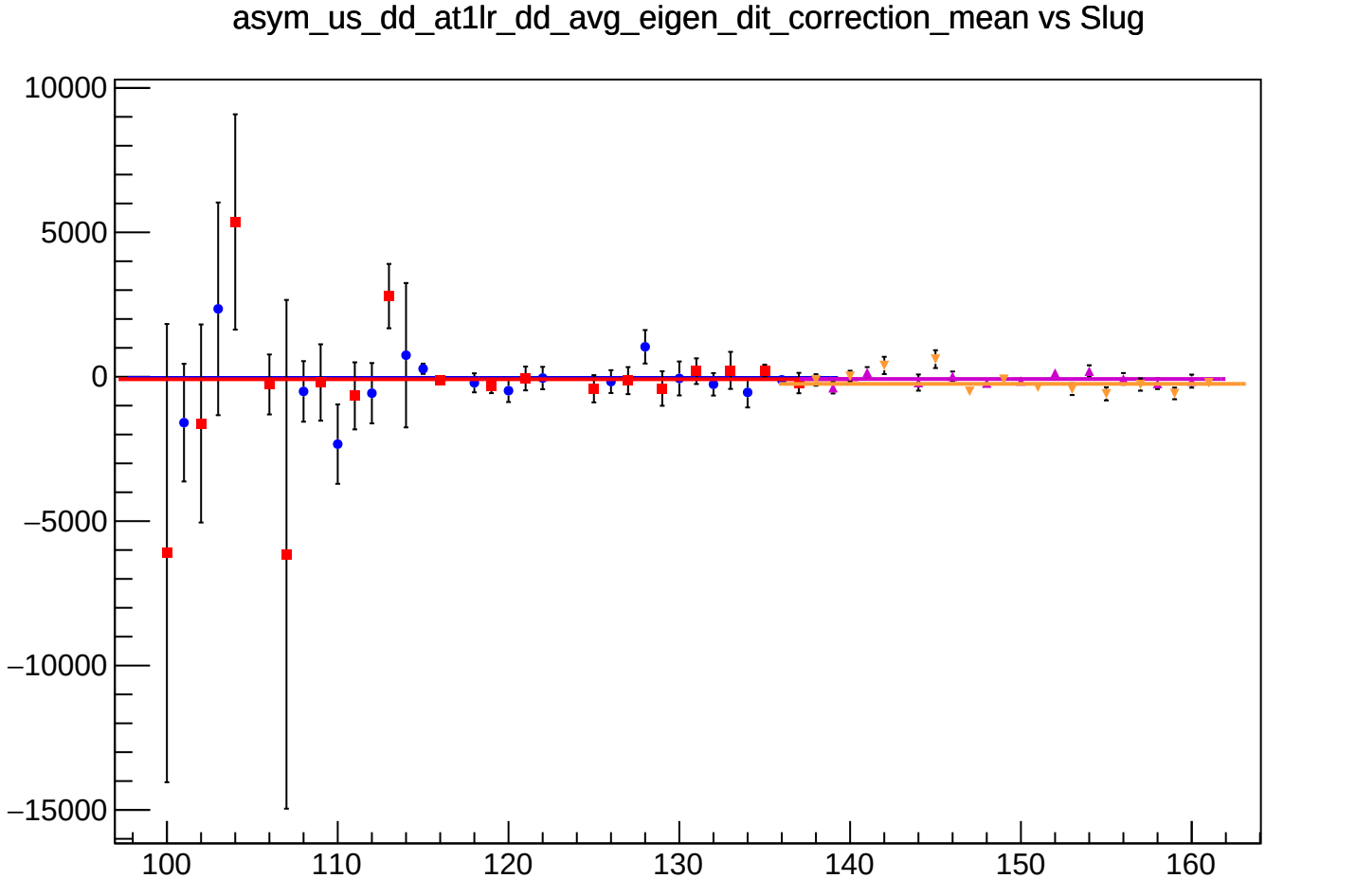
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2184.619+/-0.500 χ^2/NDF:1598.1/10

+ sign 2230.334+/-0.388 χ^2/NDF: 540693.4/27

All: 2236.582+/-0.274 χ^2/NDF: 744474.1/56

- sign 2242.846+/-0.388 χ^2/NDF: 203261.3/28



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -246.463+/-55.537 χ^2/NDF:24.9/11

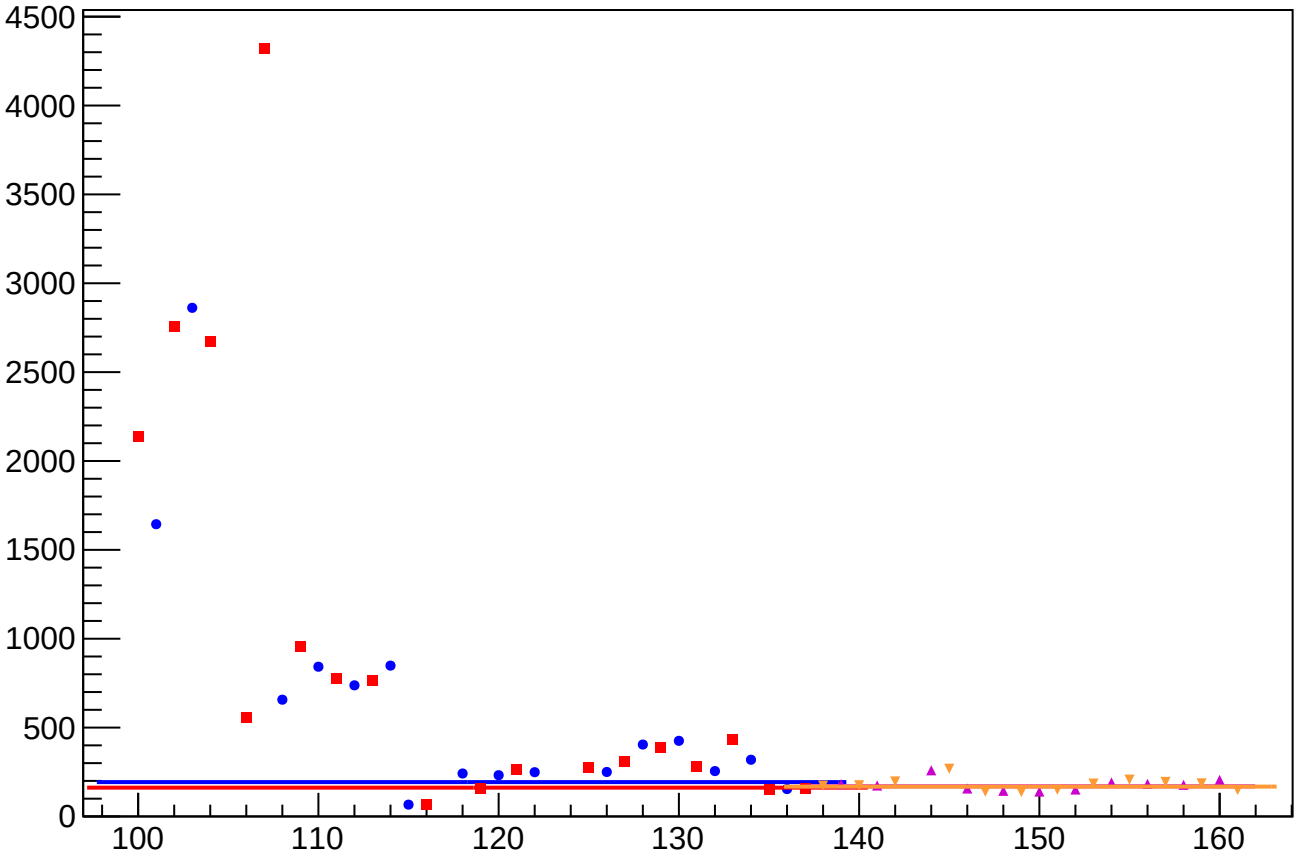
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -77.359+/-55.754 χ^2/NDF:9.4/10

+ sign -191.709+/-47.601 χ^2/NDF: 42.6/27

All: -134.915+/-33.371 χ^2/NDF: 69.8/56

- sign -80.025+/-46.797 χ^2/NDF: 24.4/28



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 167.950+/-0.039 χ^2/NDF:558226.7/11

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

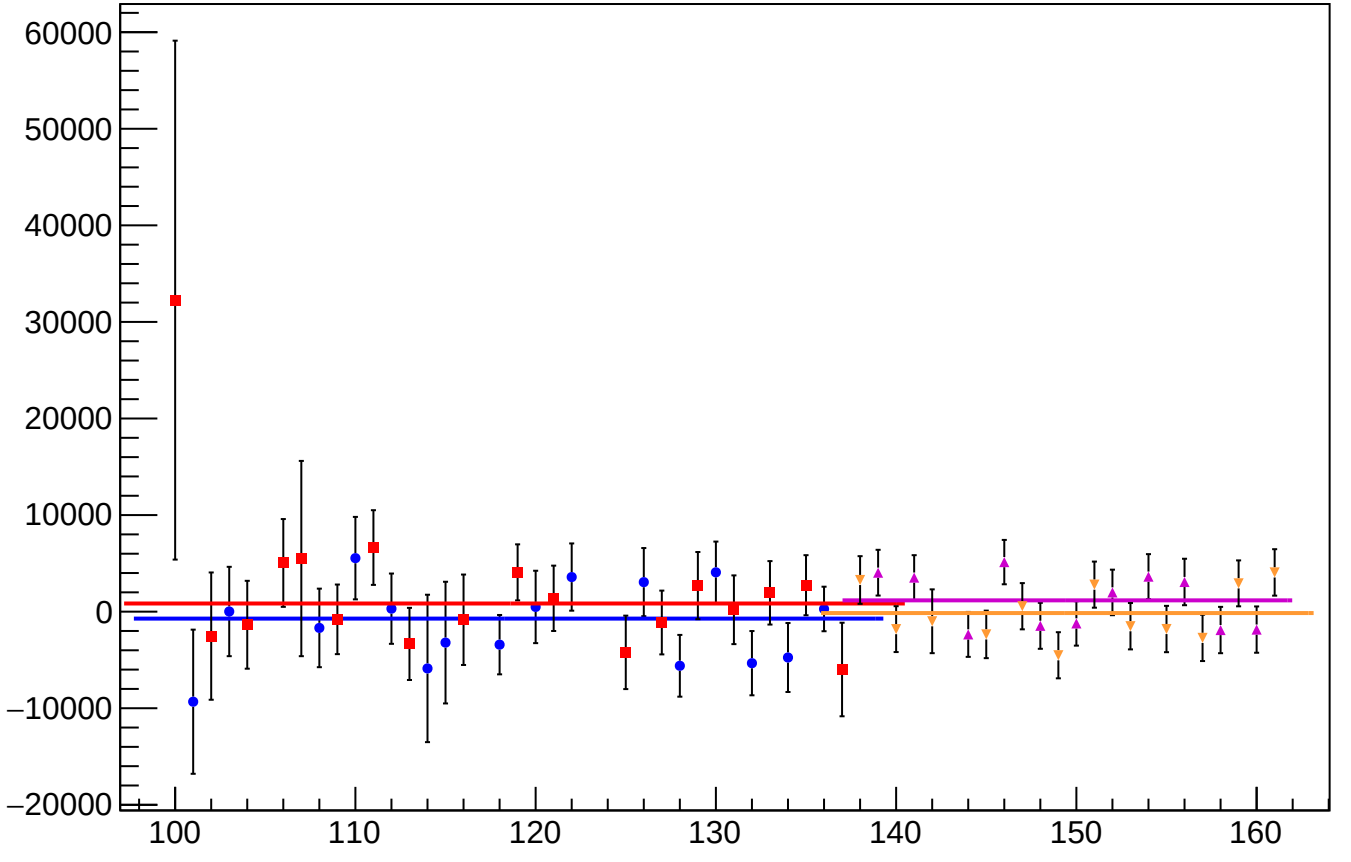
Left In: 169.368+/-0.039 χ^2/NDF:468640.2/10

+ sign 174.664+/-0.034 χ^2/NDF: 6286276.7/27

All: 170.880+/-0.024 χ^2/NDF: 13860321.6/56

- sign 167.224+/-0.033 χ^2/NDF: 7549197.9/28

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -145.345+/-708.038 χ^2/NDF:14.9/11

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

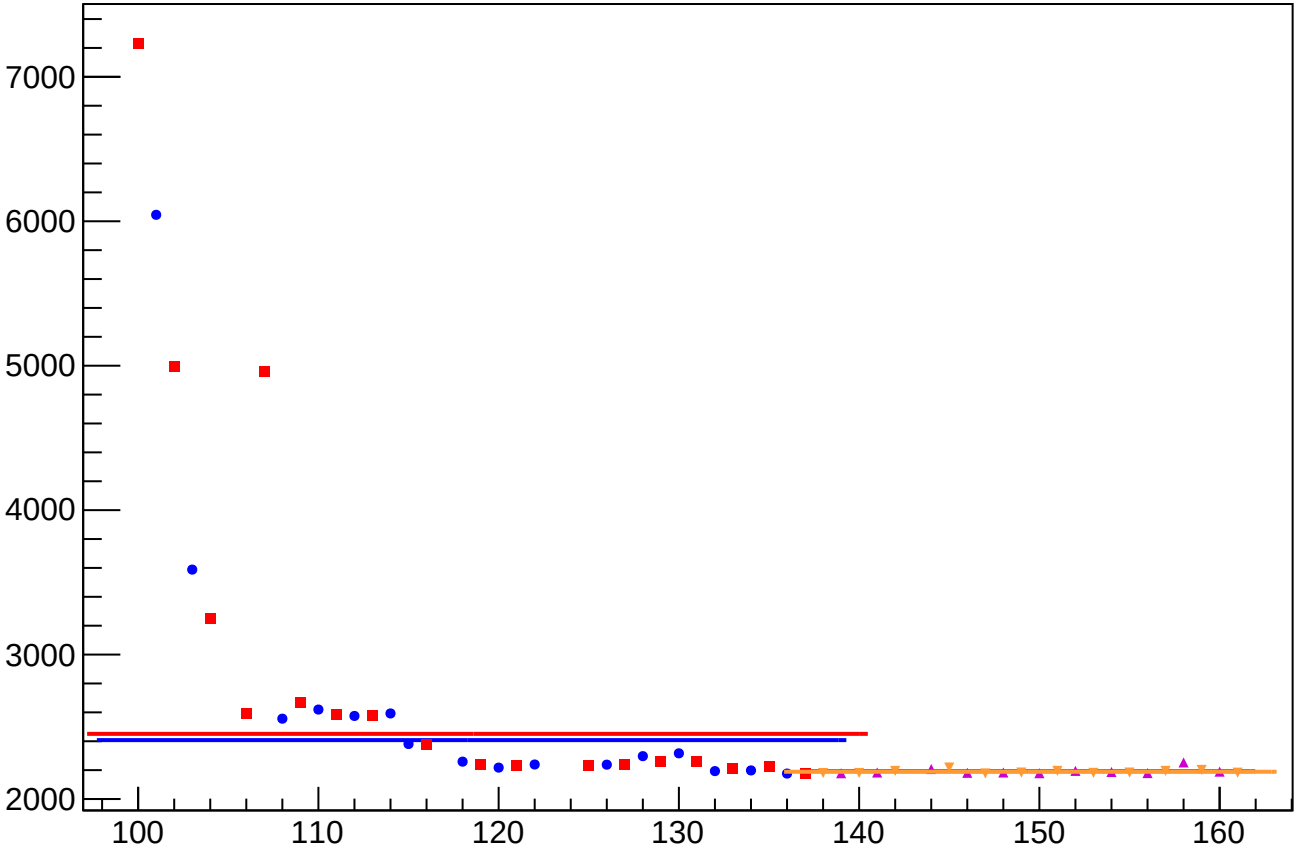
Left In: 1169.985+/-709.123 χ^2/NDF:15.2/10

+ sign -360.044+/-560.247 χ^2/NDF: 31.0/27

All: 340.872+/-397.338 χ^2/NDF: 62.3/56

- sign 1050.223+/-563.608 χ^2/NDF: 28.2/28

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2188.862+/-0.501 χ^2/NDF:523.9/11

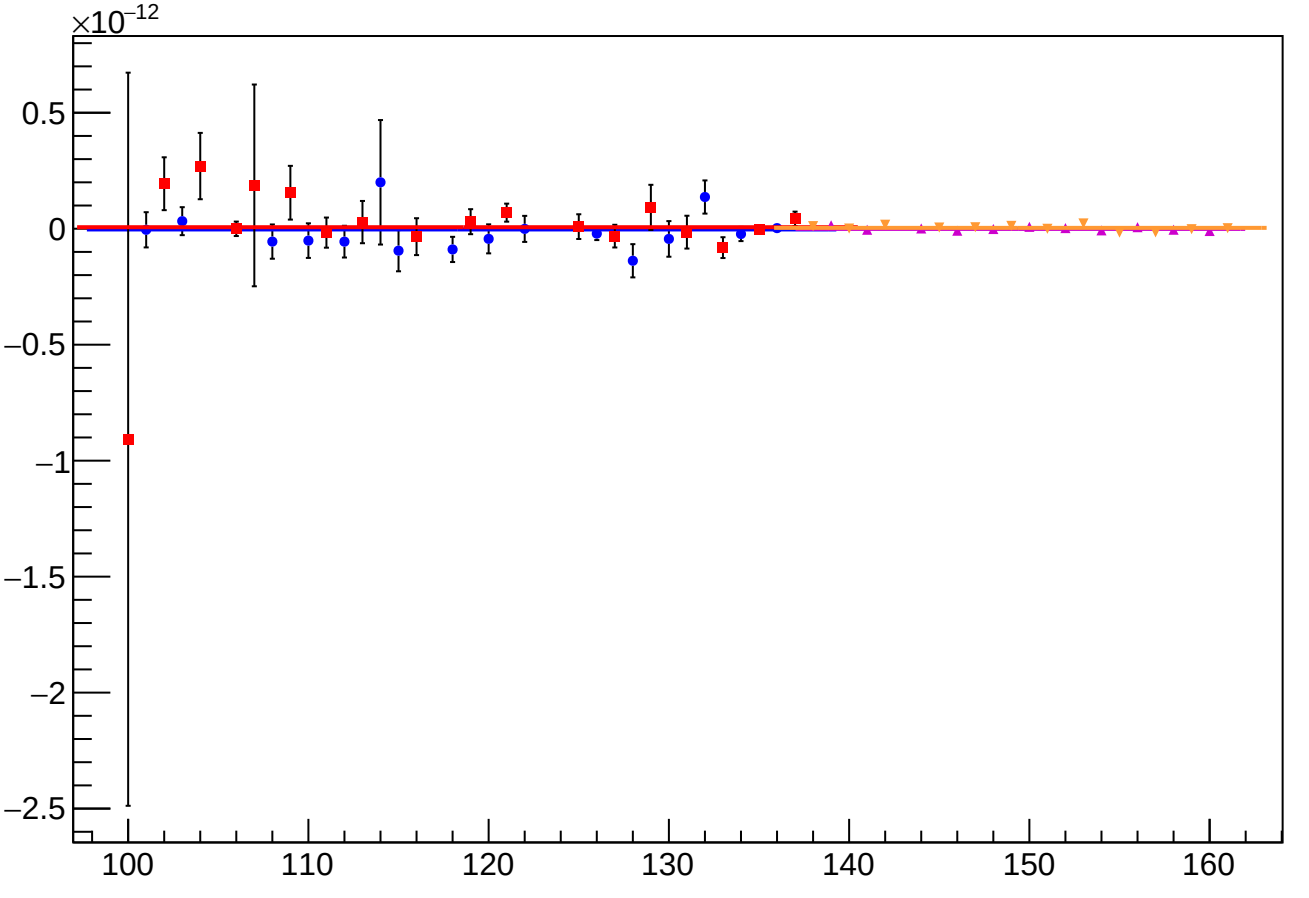
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2192.455+/-0.501 χ^2/NDF:1682.0/10

+ sign 2270.720+/-0.396 χ^2/NDF: 748912.6/27

All: 2279.183+/-0.281 χ^2/NDF: 1483174.1/56

- sign 2287.747+/-0.399 χ^2/NDF: 733343.3/28



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/11

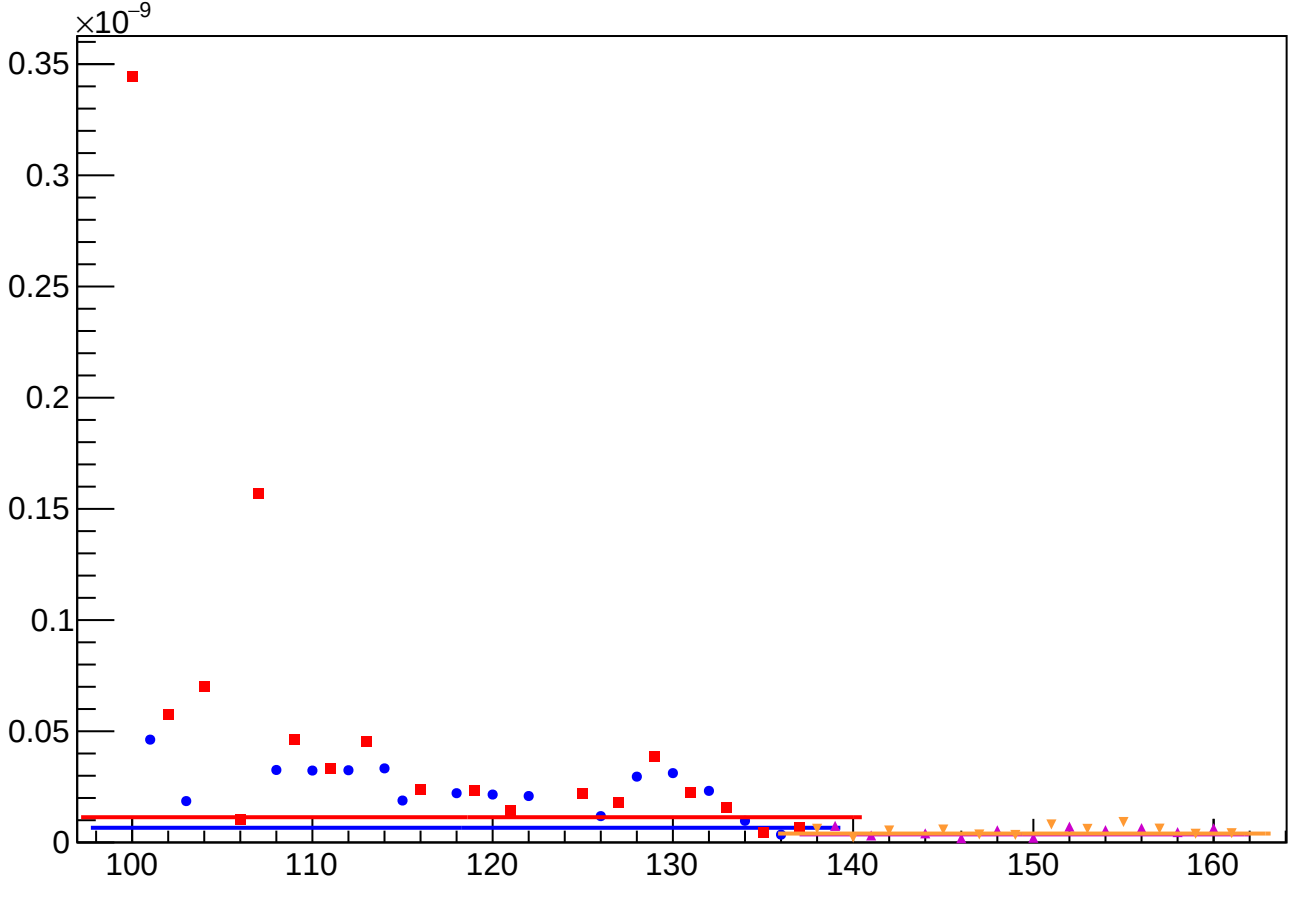
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:9.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 27.9/27

All: 0.000+/-0.000 χ^2/NDF: 57.8/56

- sign -0.000+/-0.000 χ^2/NDF: 28.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1142938.5/11

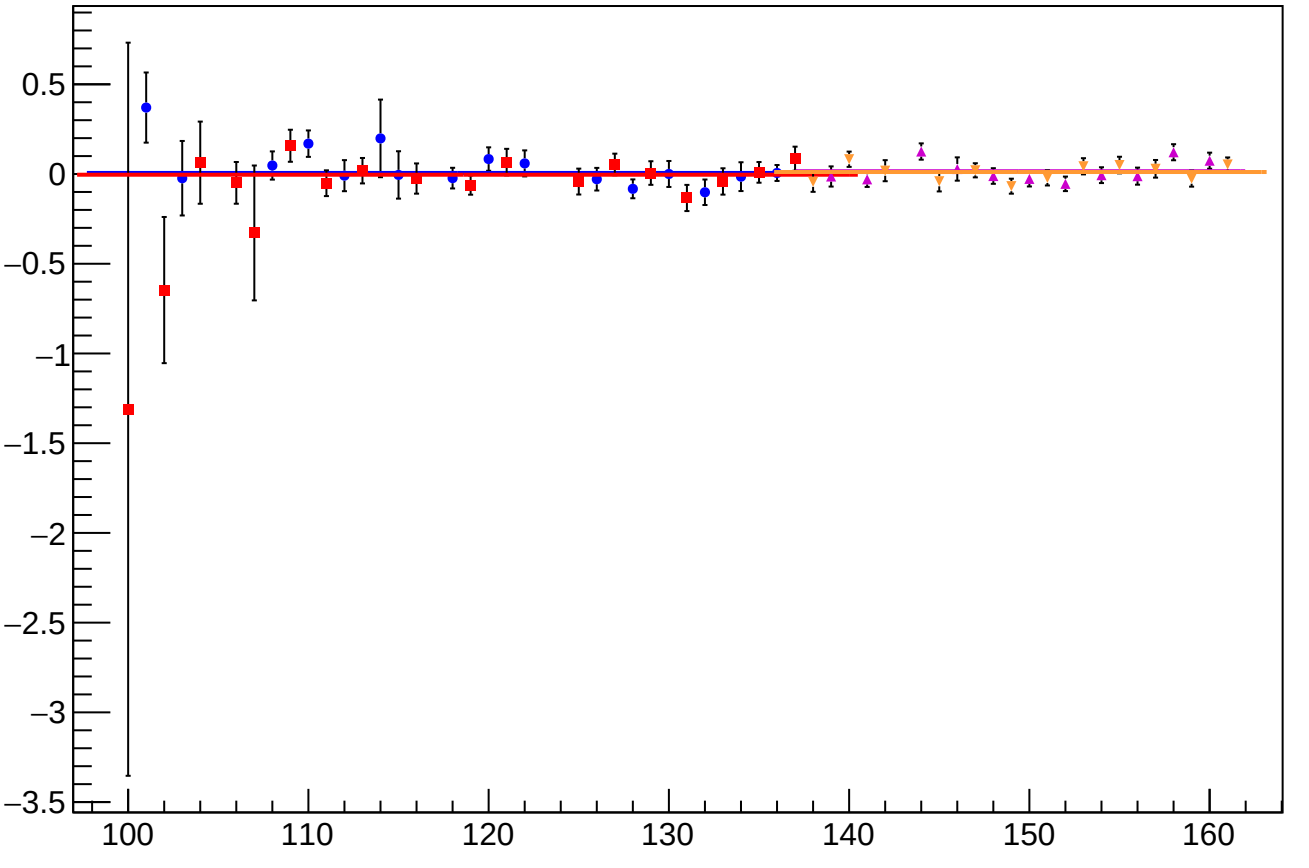
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1156302.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 4299176.8/27

All: 0.000+/-0.000 χ^2/NDF: 9354082.0/56

- sign 0.000+/-0.000 χ^2/NDF: 5039081.0/28



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.011+/-0.013 χ^2/NDF:12.0/11

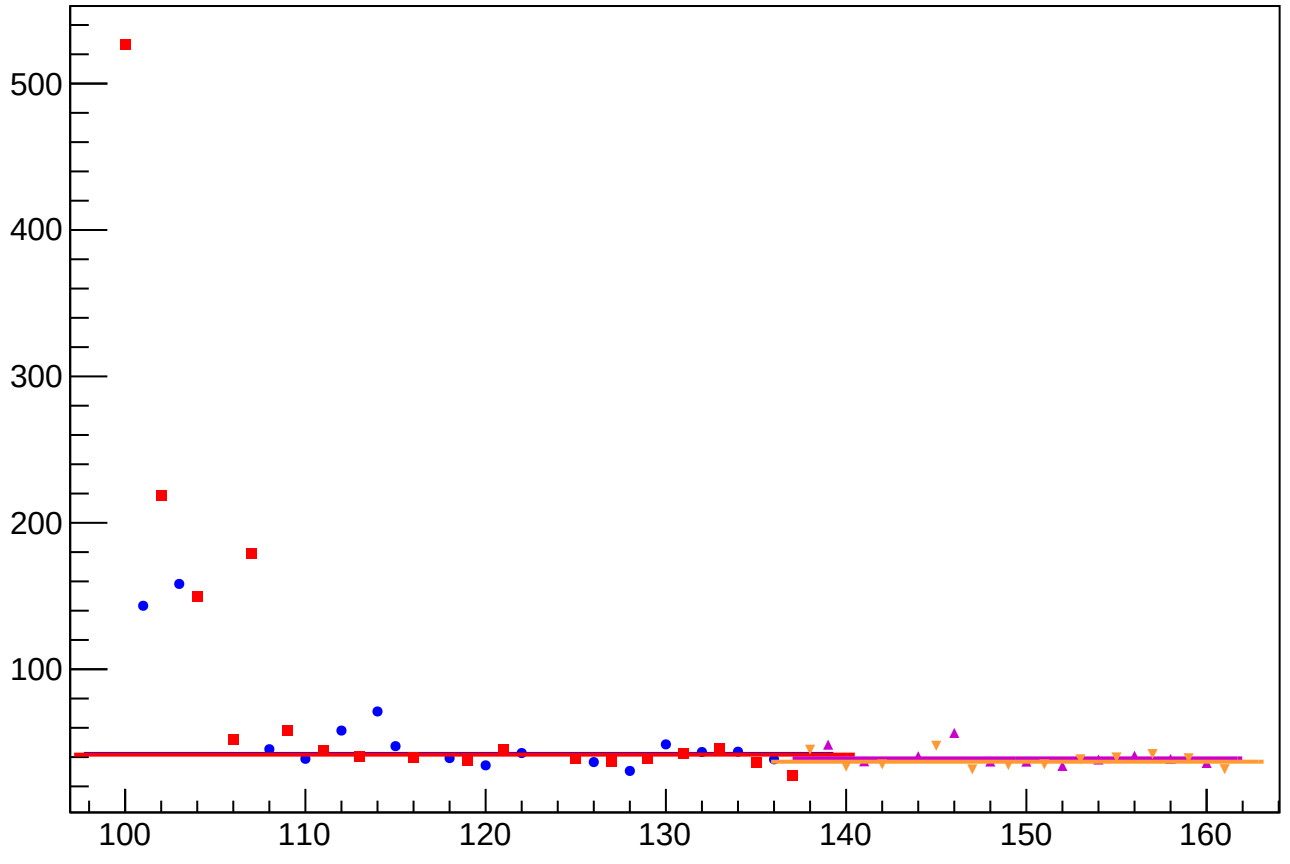
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.016+/-0.014 χ^2/NDF:19.6/10

+ sign 0.009+/-0.011 χ^2/NDF: 29.3/27

All: 0.009+/-0.008 χ^2/NDF: 65.8/56

- sign 0.009+/-0.011 χ^2/NDF: 36.6/28



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.857+/-0.009 χ^2/NDF:248602.0/11

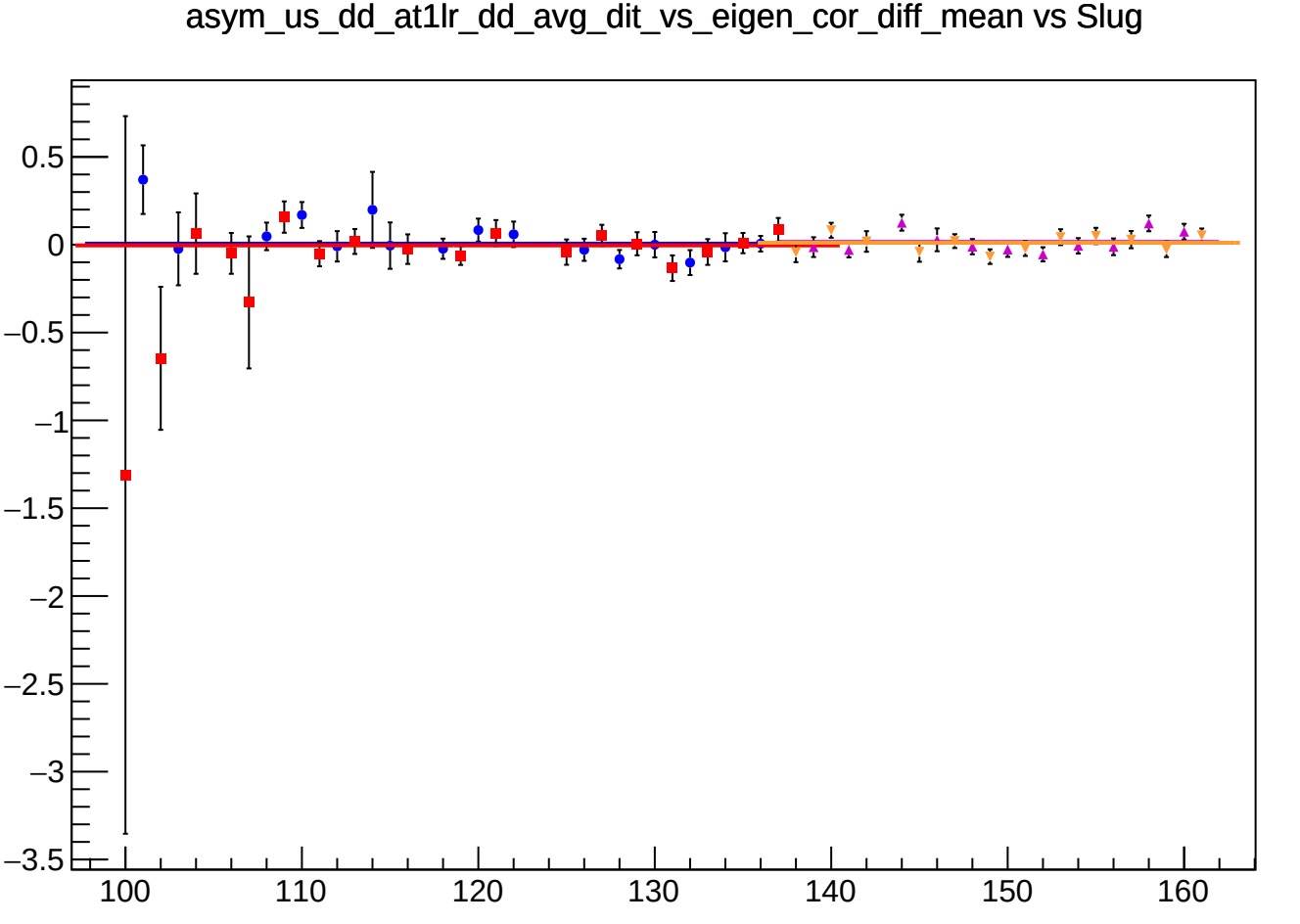
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.110+/-0.010 χ^2/NDF:261450.7/10

+ sign 38.671+/-0.008 χ^2/NDF: 1814246.0/27

All: 39.324+/-0.005 χ^2/NDF: 3557310.0/56

- sign 40.028+/-0.008 χ^2/NDF: 1727515.8/28



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.011+/-0.013 χ^2/NDF:12.0/11

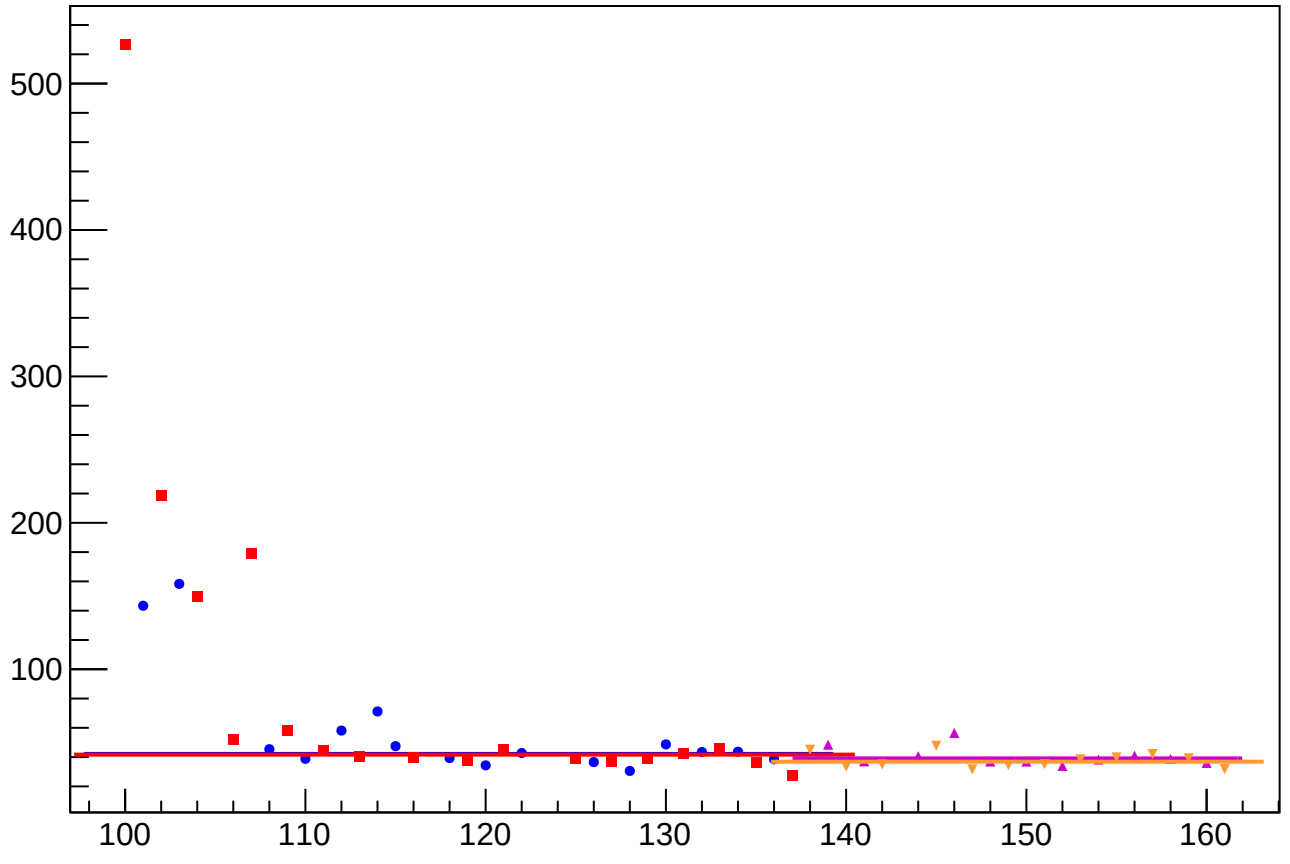
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.016+/-0.014 χ^2/NDF:19.6/10

+ sign 0.009+/-0.011 χ^2/NDF: 29.3/27

All: 0.009+/-0.008 χ^2/NDF: 65.8/56

- sign 0.009+/-0.011 χ^2/NDF: 36.6/28



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.857+/-0.009 χ^2/NDF:248602.0/11

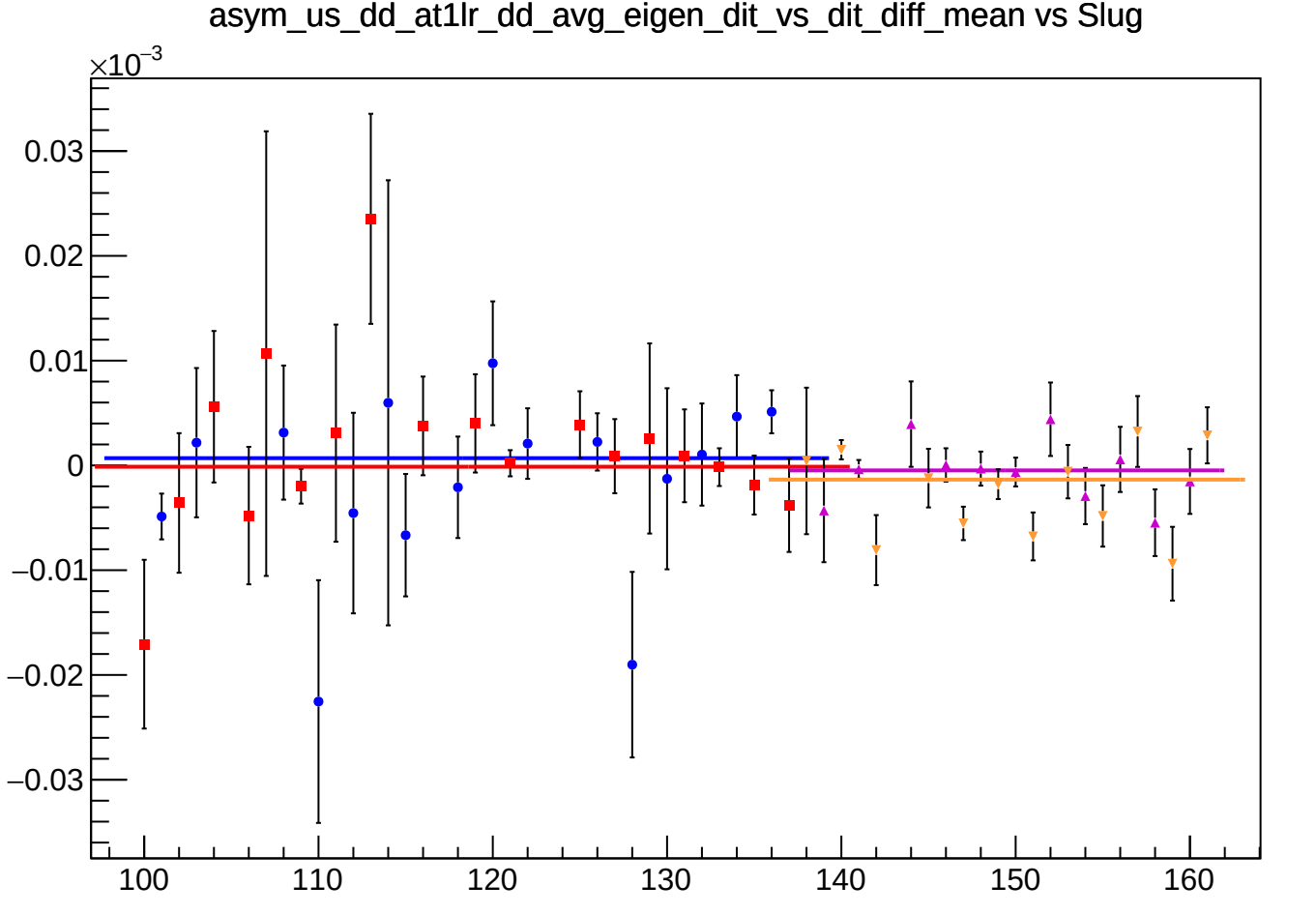
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.110+/-0.010 χ^2/NDF:261450.7/10

+ sign 38.671+/-0.008 χ^2/NDF: 1814246.0/27

All: 39.324+/-0.005 χ^2/NDF: 3557310.0/56

- sign 40.028+/-0.008 χ^2/NDF: 1727515.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.4/11

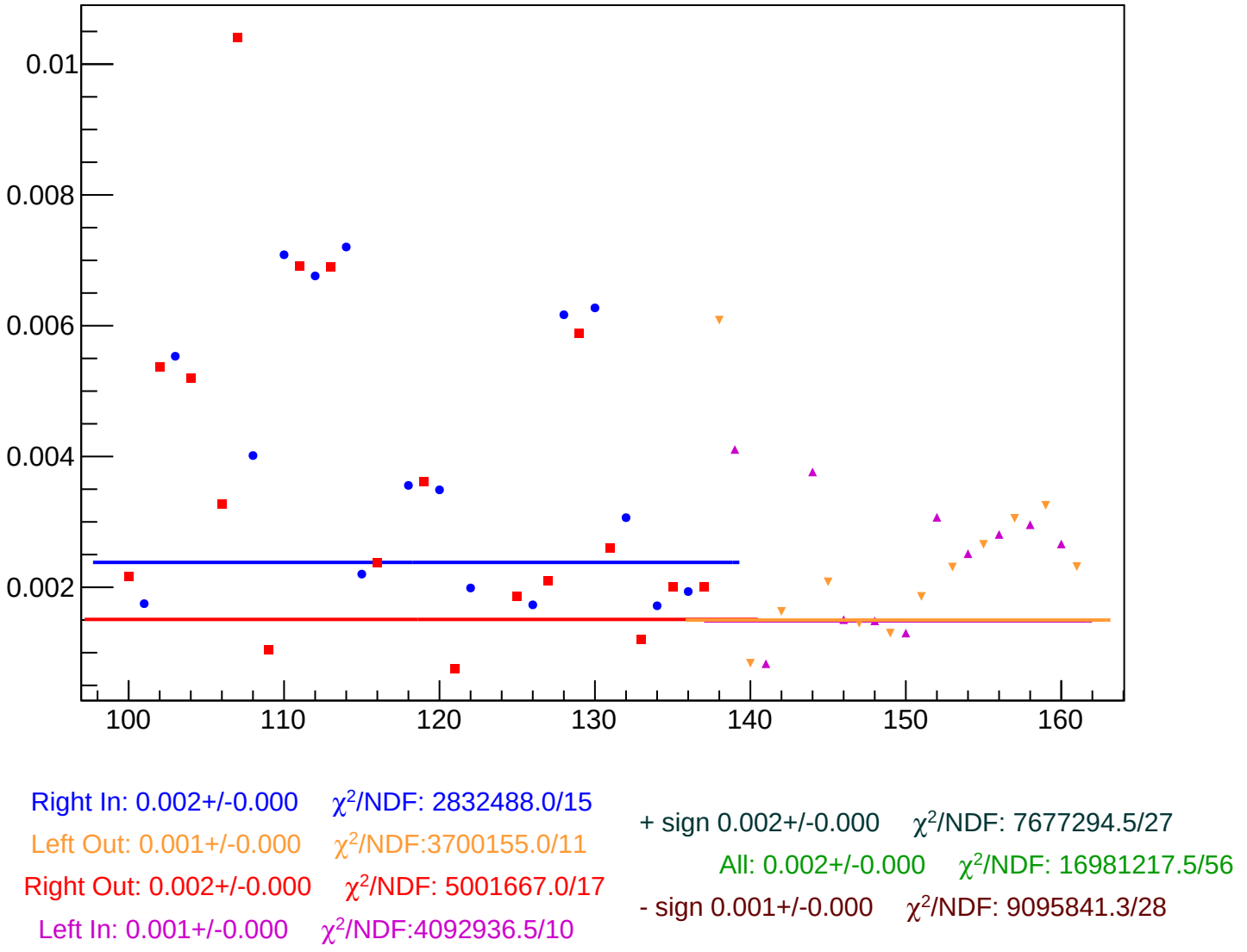
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

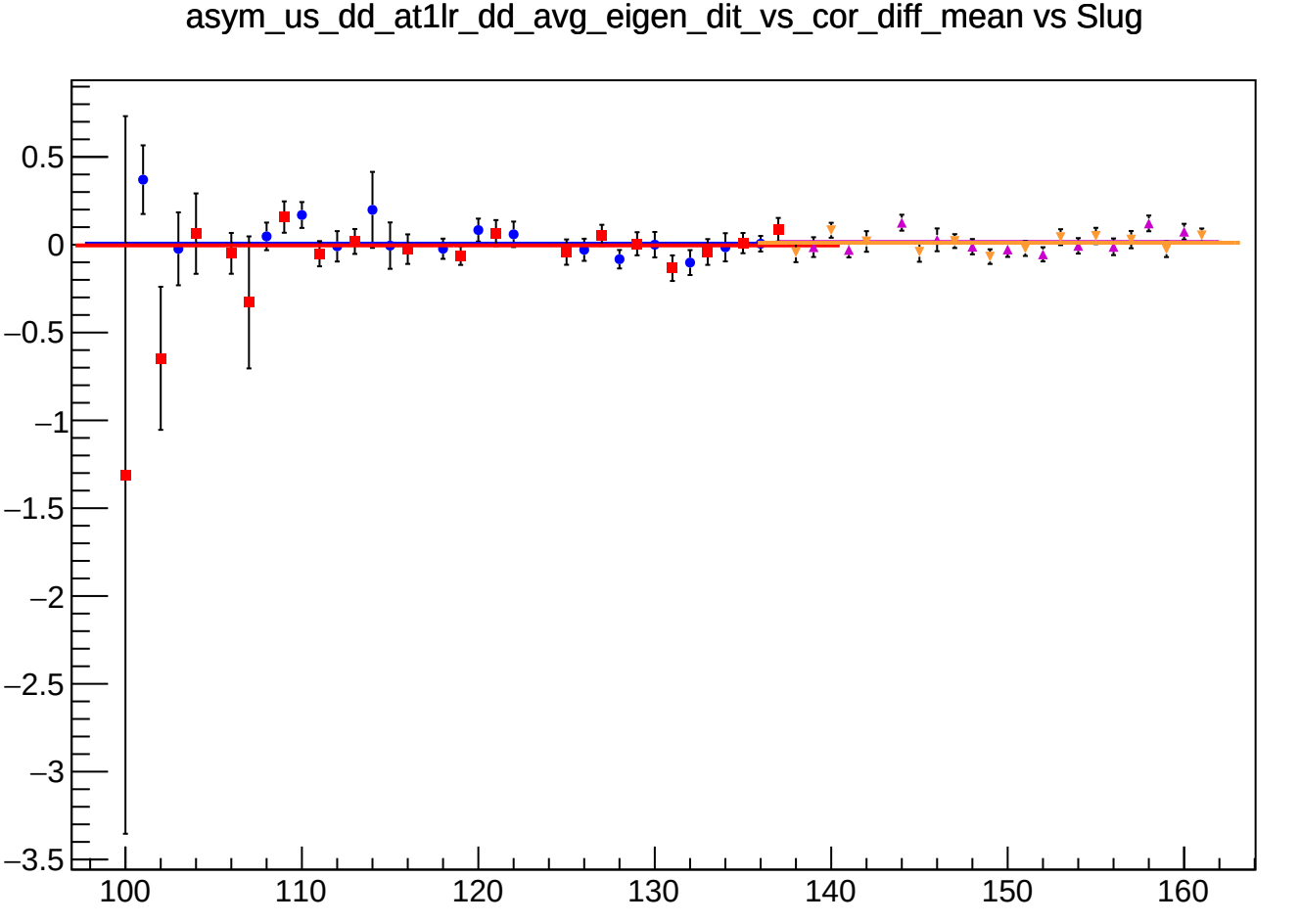
Left In: -0.000+/-0.000 χ^2/NDF:7.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 67.0/27

All: -0.000+/-0.000 χ^2/NDF: 92.5/56

- sign -0.000+/-0.000 χ^2/NDF: 24.9/28


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:3700155.0/11
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:4092936.5/10
+ sign 0.002+/-0.000 χ²/NDF: 7677294.5/27
All: 0.002+/-0.000 χ²/NDF: 16981217.5/56
- sign 0.001+/-0.000 χ²/NDF: 9095841.3/28



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.011+/-0.013 χ^2/NDF:12.0/11

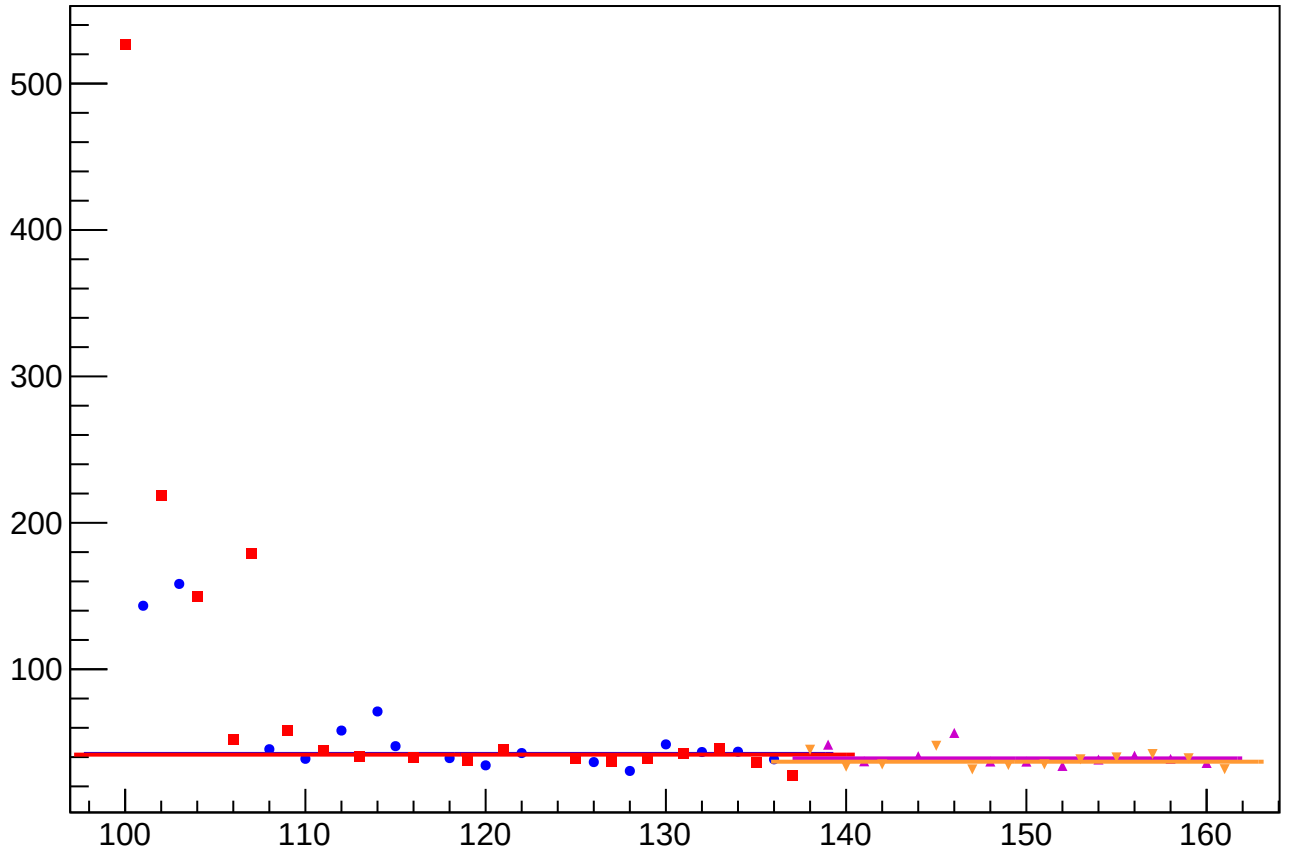
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.016+/-0.014 χ^2/NDF:19.6/10

+ sign 0.009+/-0.011 χ^2/NDF: 29.3/27

All: 0.009+/-0.008 χ^2/NDF: 65.8/56

- sign 0.009+/-0.011 χ^2/NDF: 36.6/28



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 36.857+/-0.009 χ^2/NDF:248581.7/11

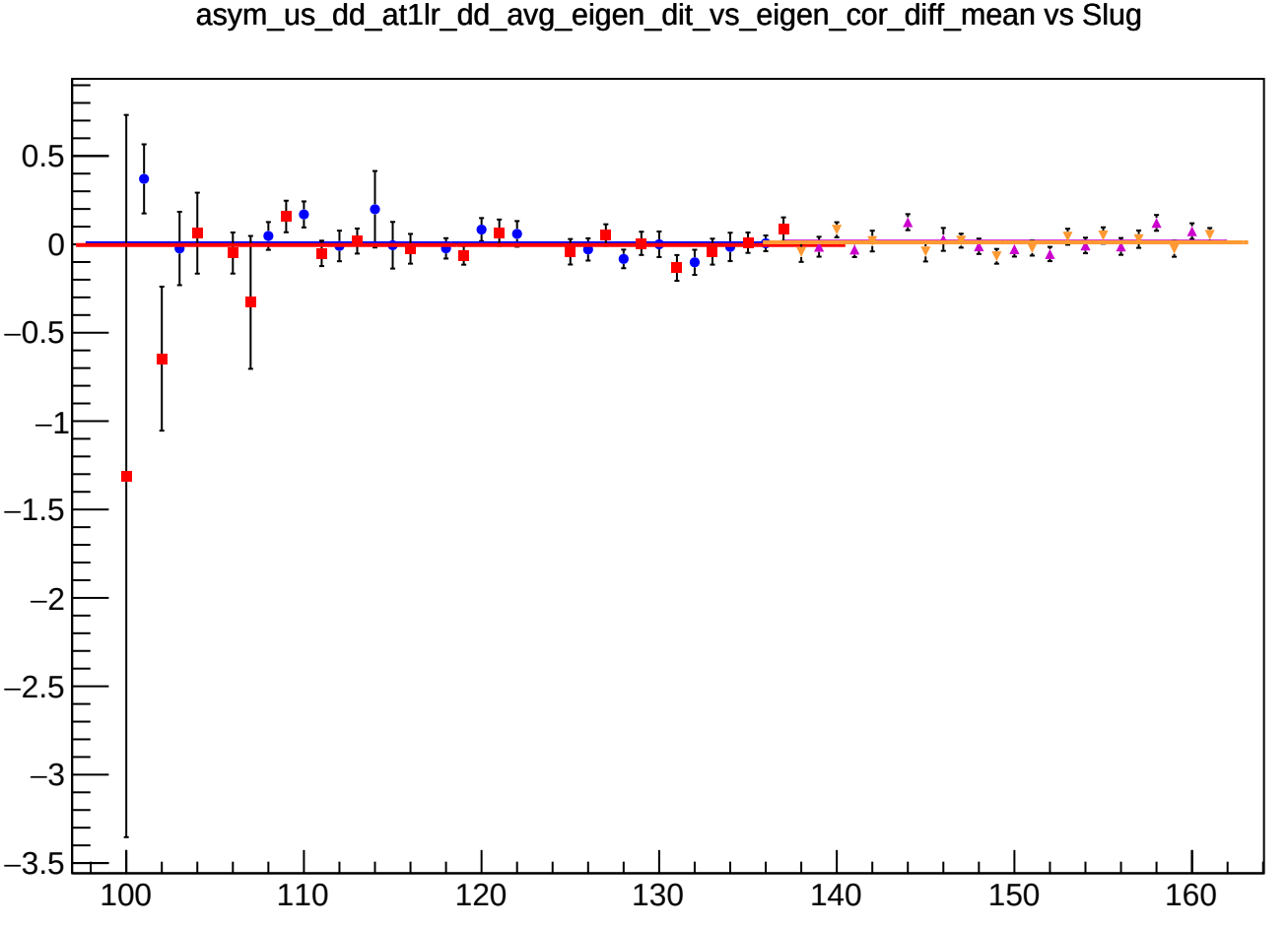
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.110+/-0.010 χ^2/NDF:261481.8/10

+ sign 38.671+/-0.008 χ^2/NDF: 1814339.3/27

All: 39.324+/-0.005 χ^2/NDF: 3557443.8/56

- sign 40.028+/-0.008 χ^2/NDF: 1727537.4/28



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.011+/-0.013 χ^2/NDF:12.0/11

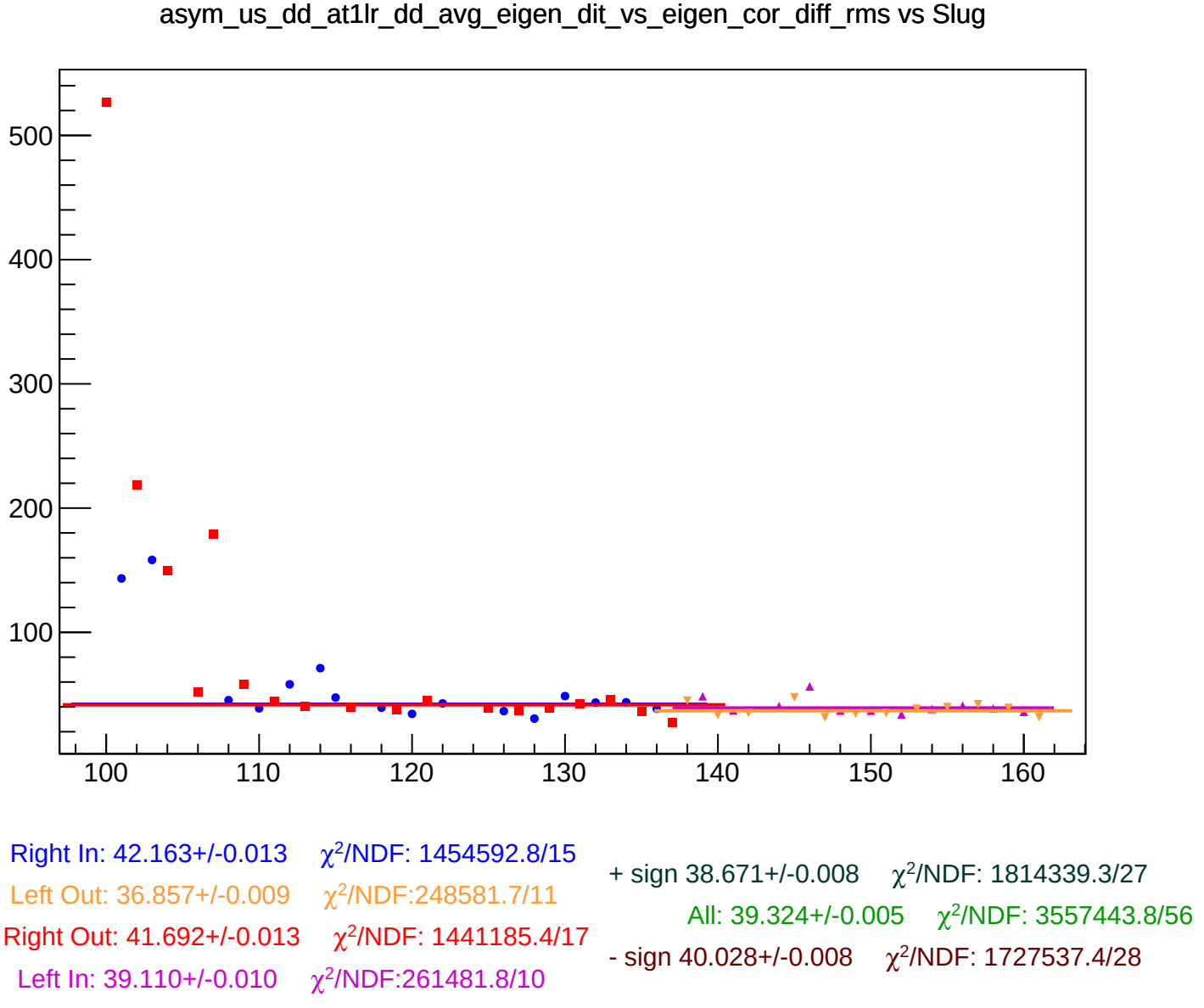
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

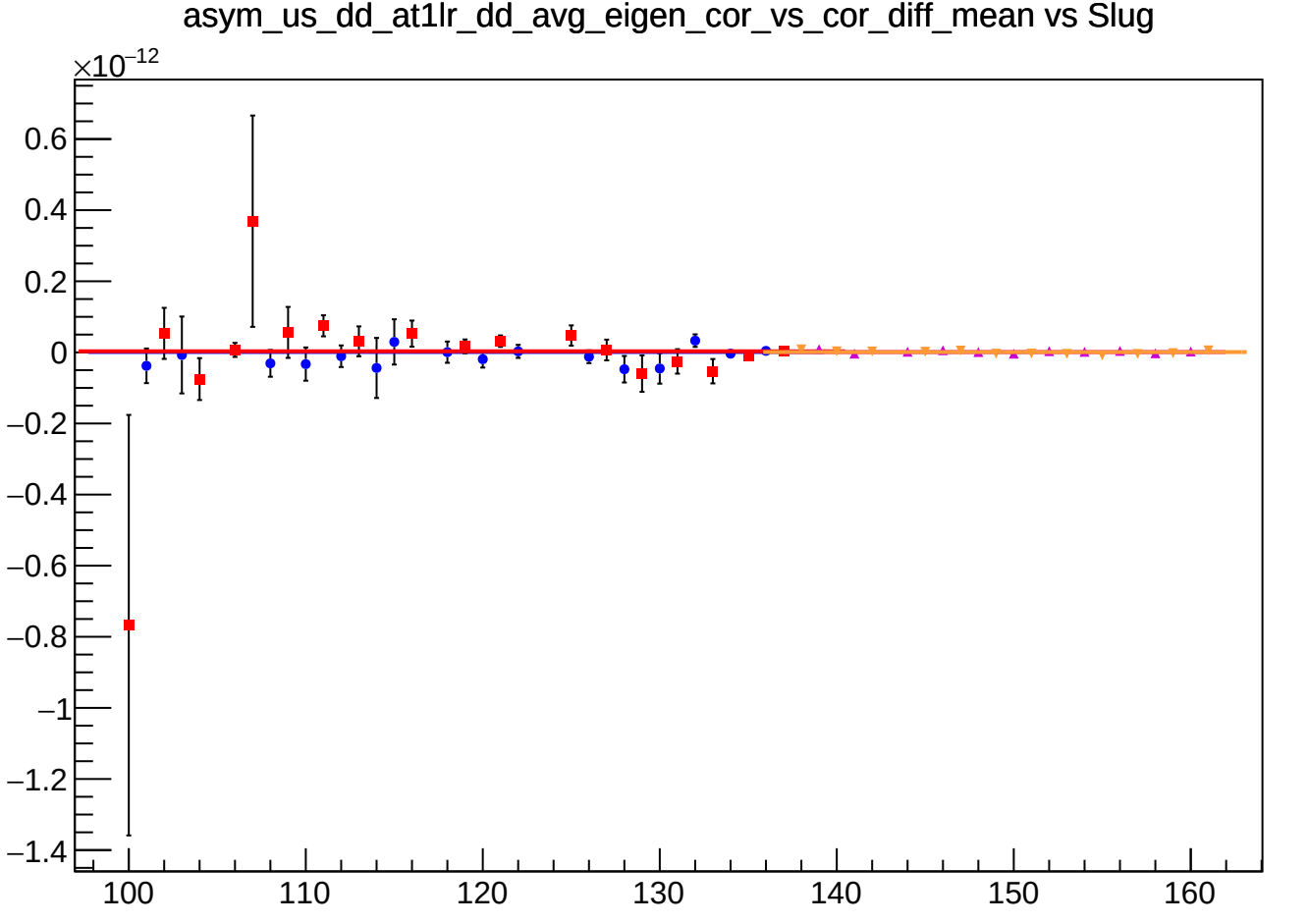
Left In: 0.016+/-0.014 χ^2/NDF:19.6/10

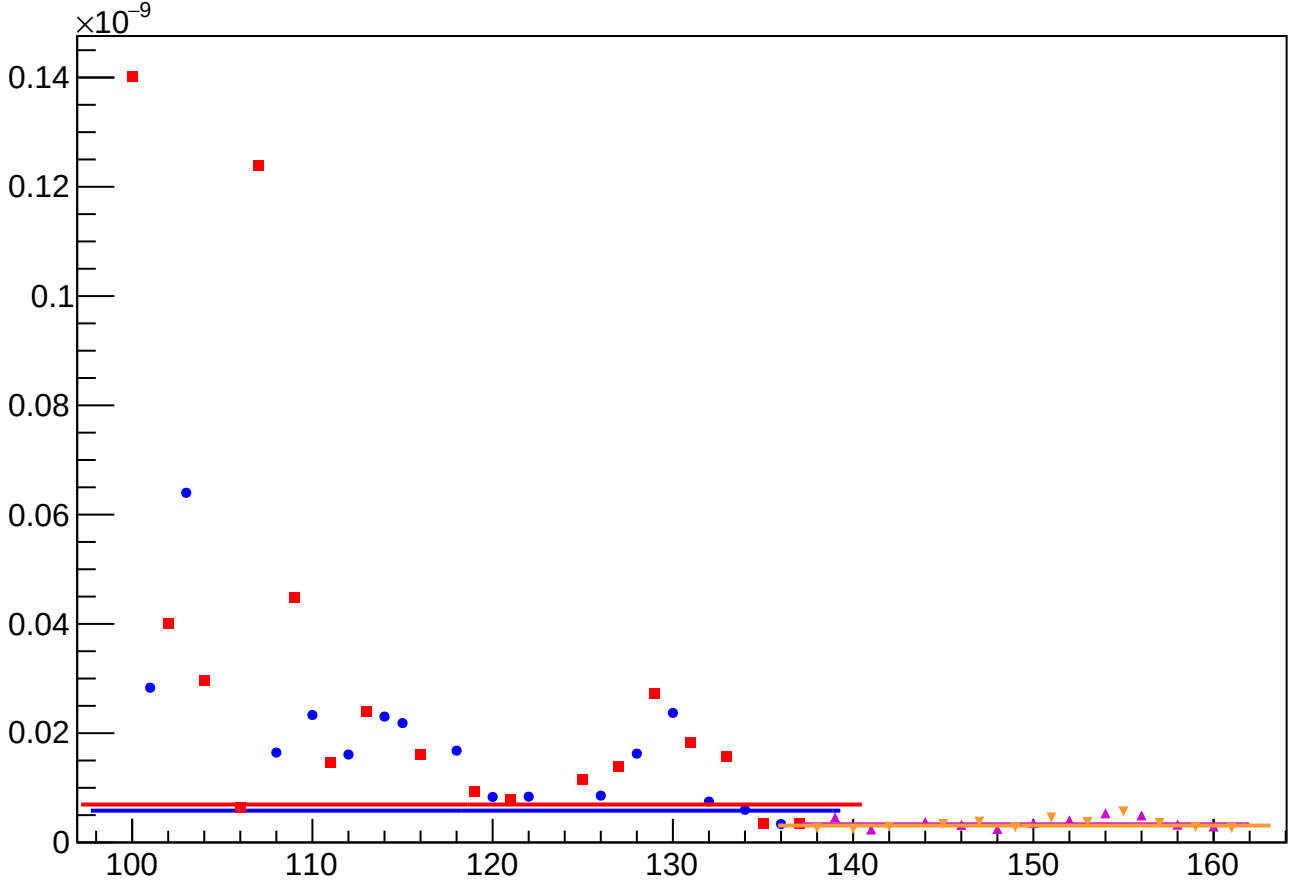
+ sign 0.009+/-0.011 χ^2/NDF: 29.3/27

All: 0.009+/-0.008 χ^2/NDF: 65.8/56

- sign 0.009+/-0.011 χ^2/NDF: 36.6/28


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
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 36.857+/-0.009 χ²/NDF:248581.7/11
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 39.110+/-0.010 χ²/NDF:261481.8/10
+ sign 38.671+/-0.008 χ²/NDF: 1814339.3/27
All: 39.324+/-0.005 χ²/NDF: 3557443.8/56
- sign 40.028+/-0.008 χ²/NDF: 1727537.4/28


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
Right In: 0.000+/-0.000 χ²/NDF: 10.5/15
Left Out: 0.000+/-0.000 χ²/NDF:10.0/11
Right Out: 0.000+/-0.000 χ²/NDF: 28.8/17
Left In: 0.000+/-0.000 χ²/NDF:6.2/10
+ sign 0.000+/-0.000 χ²/NDF: 20.5/27
All: 0.000+/-0.000 χ²/NDF: 55.8/56
- sign 0.000+/-0.000 χ²/NDF: 35.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:503375.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

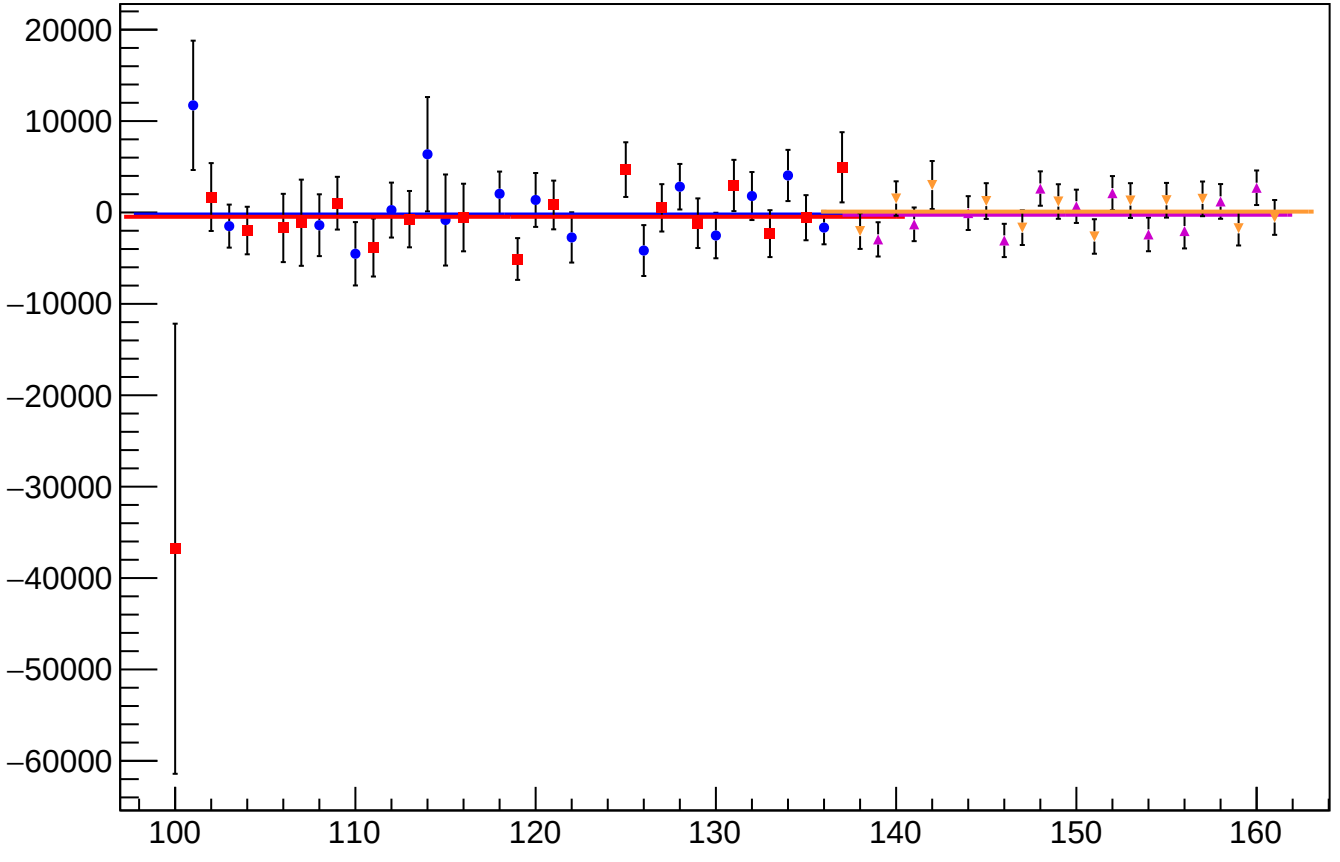
Left In: 0.000+/-0.000 χ^2/NDF:640026.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 4659578.8/27

All: 0.000+/-0.000 χ^2/NDF: 10187291.8/56

- sign 0.000+/-0.000 χ^2/NDF: 5496481.6/28

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 92.192+/-560.742 χ^2/NDF:9.1/11

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

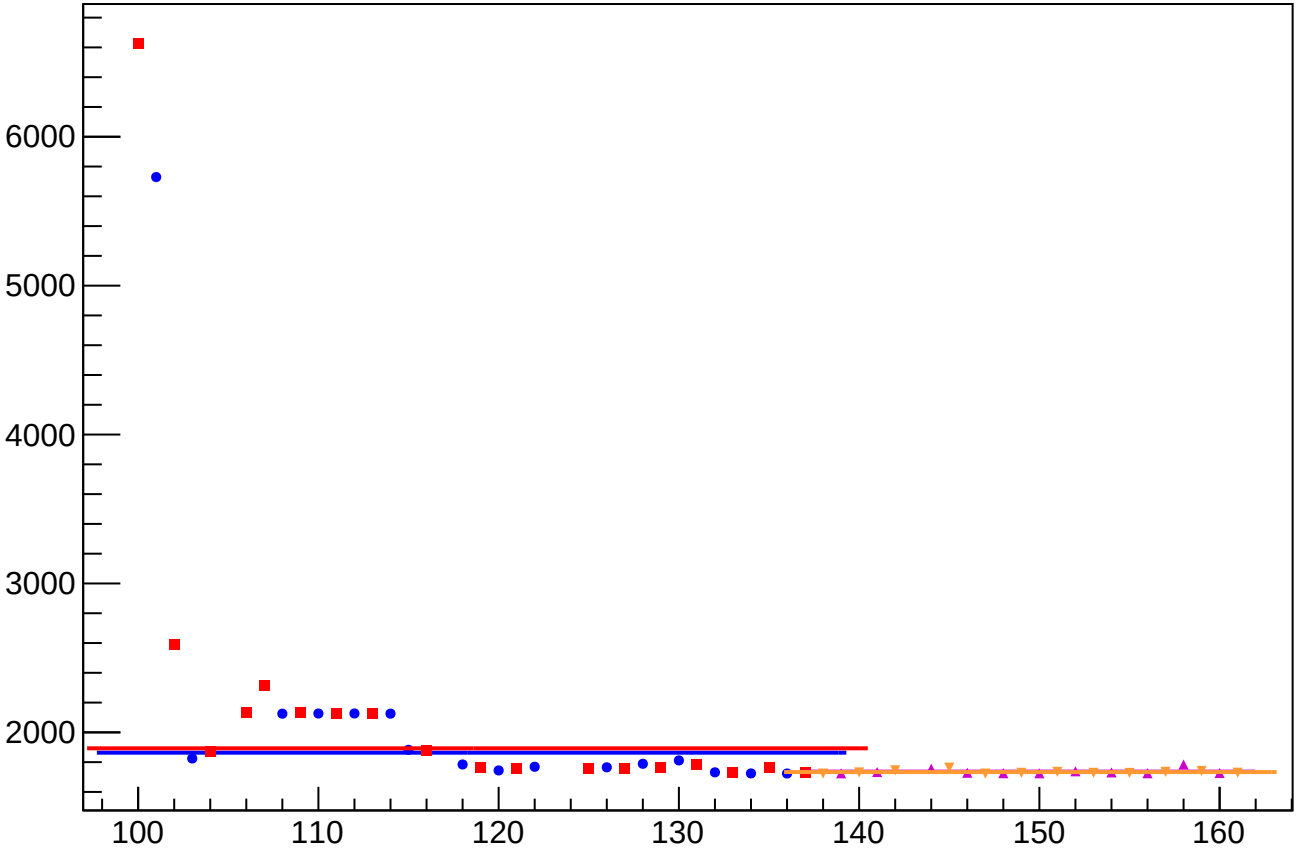
Left In: -248.782+/-561.618 χ^2/NDF:14.2/10

+ sign -29.057+/-439.849 χ^2/NDF: 25.0/27

All: -181.506+/-311.365 χ^2/NDF: 55.4/56

- sign -334.632+/-440.826 χ^2/NDF: 30.2/28

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.486+/-0.397 χ^2/NDF:709.6/11

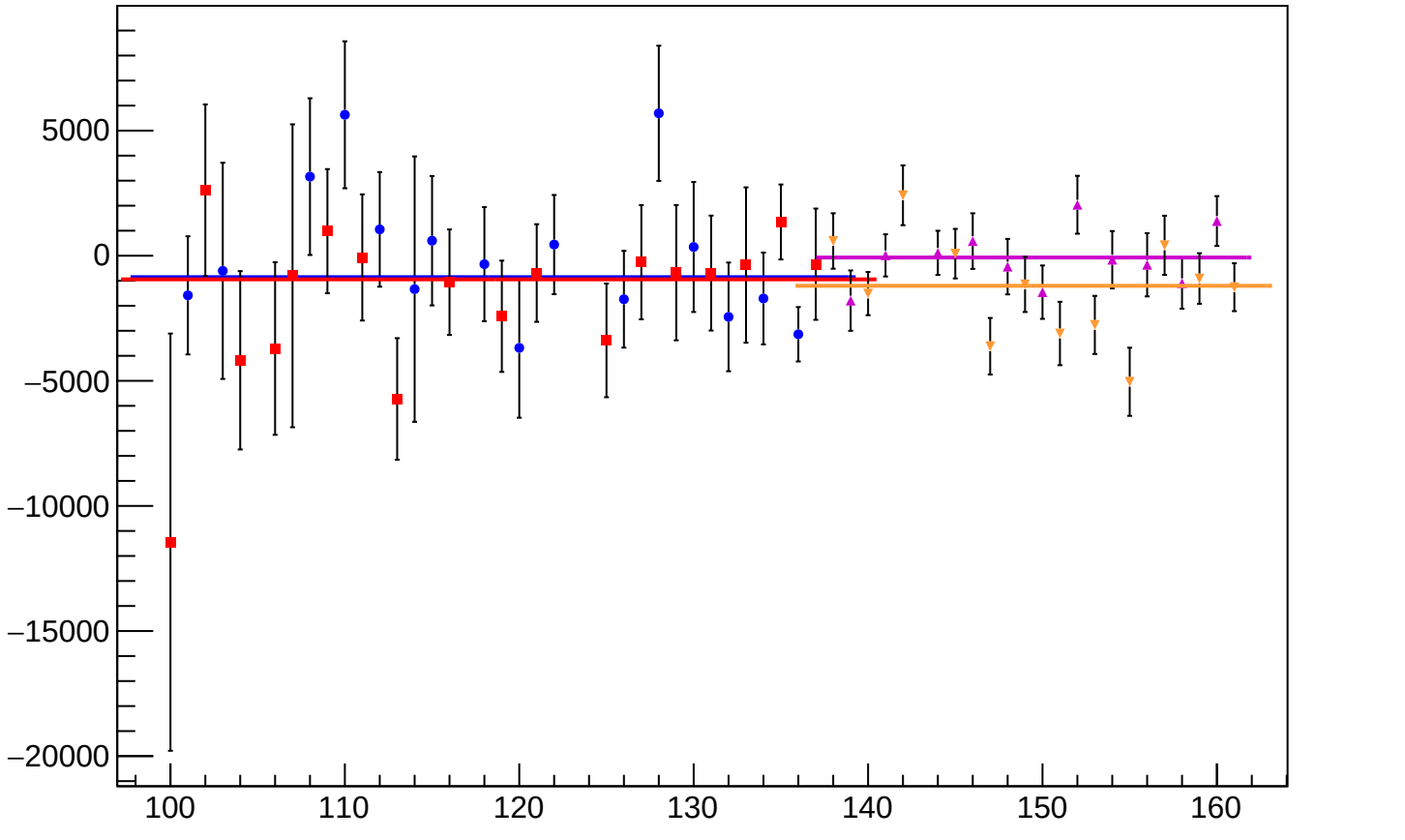
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1736.392+/-0.397 χ^2/NDF:1882.2/10

+ sign 1783.535+/-0.311 χ^2/NDF: 716789.5/27

All: 1789.984+/-0.220 χ^2/NDF: 1030646.5/56

- sign 1796.462+/-0.312 χ^2/NDF: 312995.1/28



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1201.933+/-313.640 χ^2/NDF:32.1/11

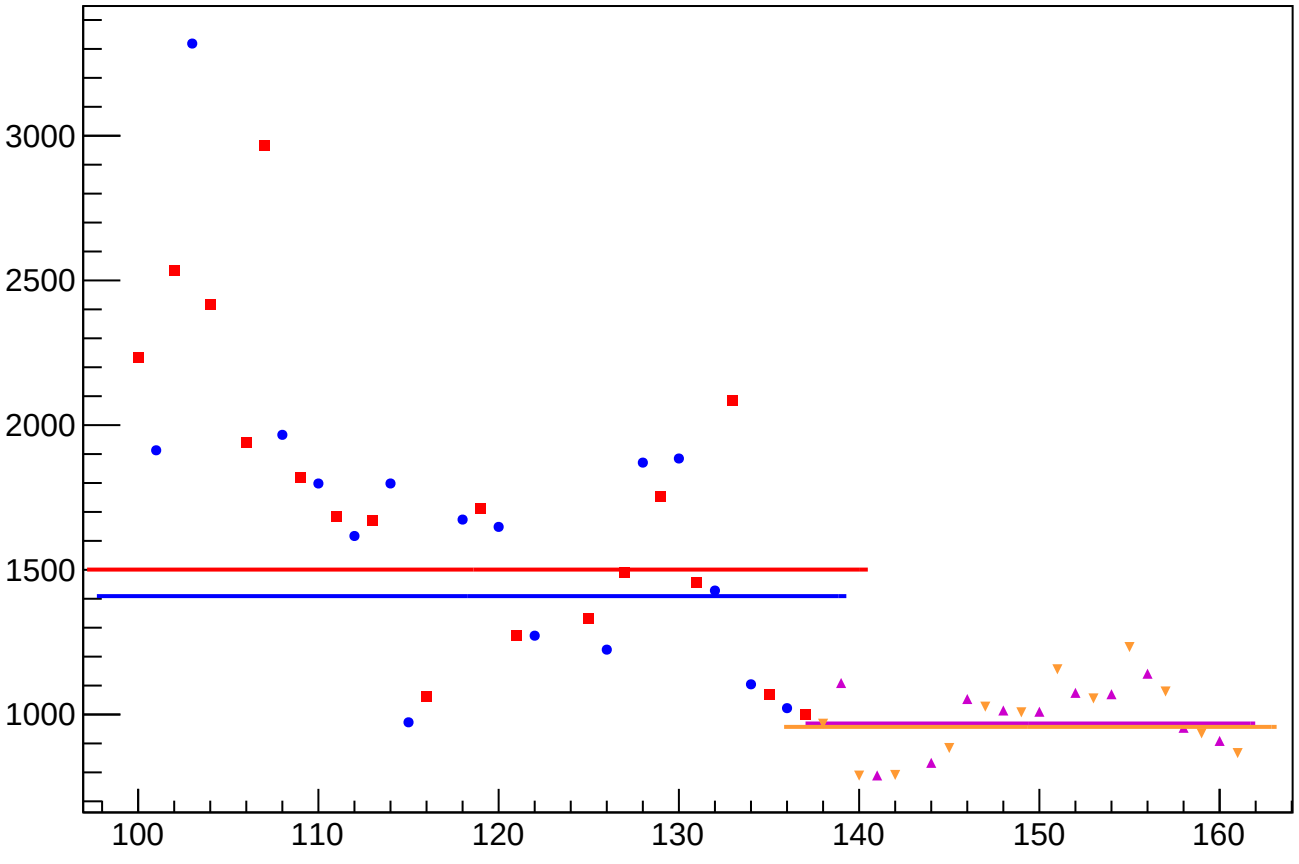
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -72.174+/-316.335 χ^2/NDF:10.8/10

+ sign -1117.313+/-272.428 χ^2/NDF: 53.0/27

All: -702.517+/-194.626 χ^2/NDF: 83.2/56

- sign -270.125+/-278.147 χ^2/NDF: 25.4/28



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 957.231+/-0.222 χ^2/NDF:323486.6/11

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

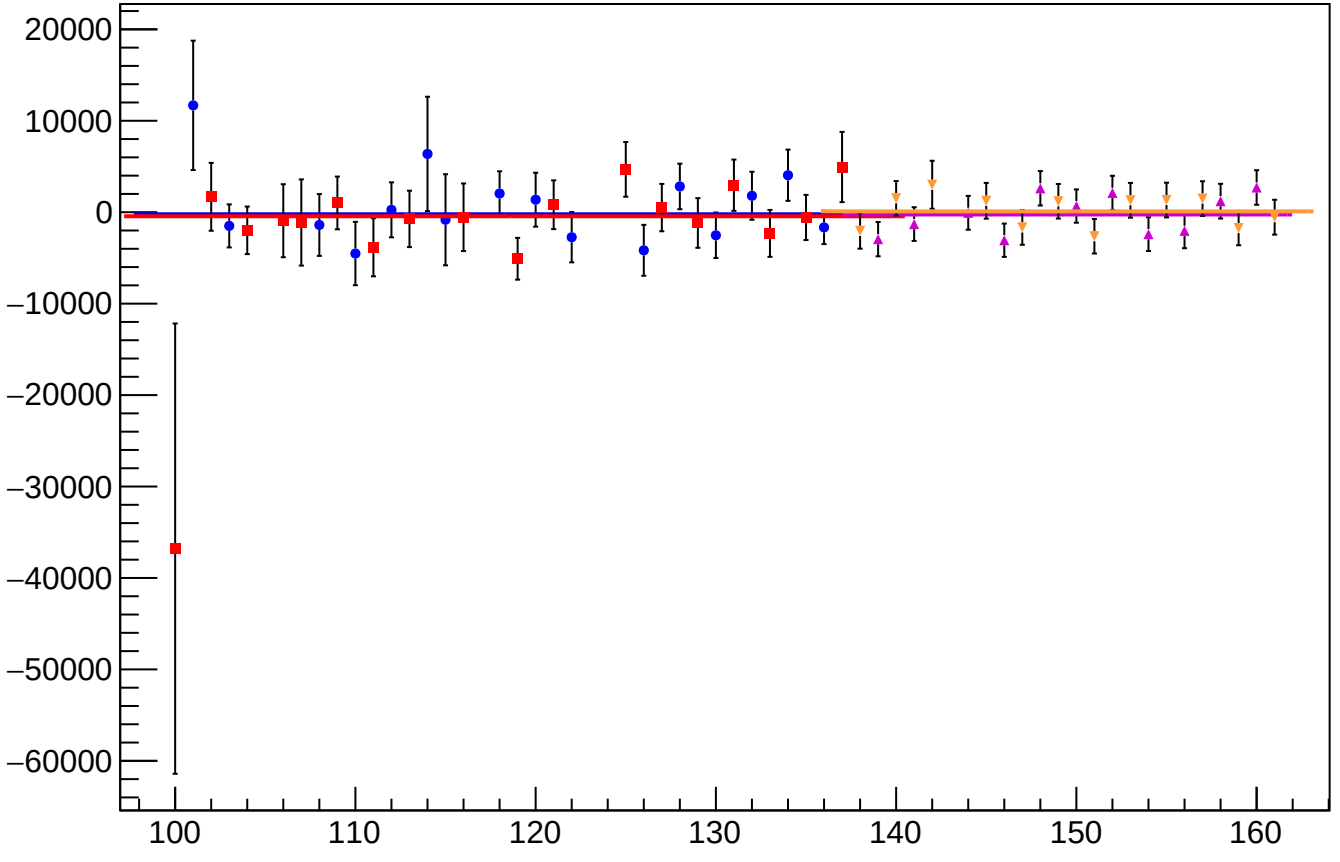
Left In: 968.920+/-0.224 χ^2/NDF:259965.7/10

+ sign 1068.179+/-0.193 χ^2/NDF: 2510467.6/27

All: 1078.660+/-0.138 χ^2/NDF: 5089978.5/56

- sign 1089.586+/-0.197 χ^2/NDF: 2573464.1/28

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 92.303+/-560.742 χ^2/NDF:9.1/11

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

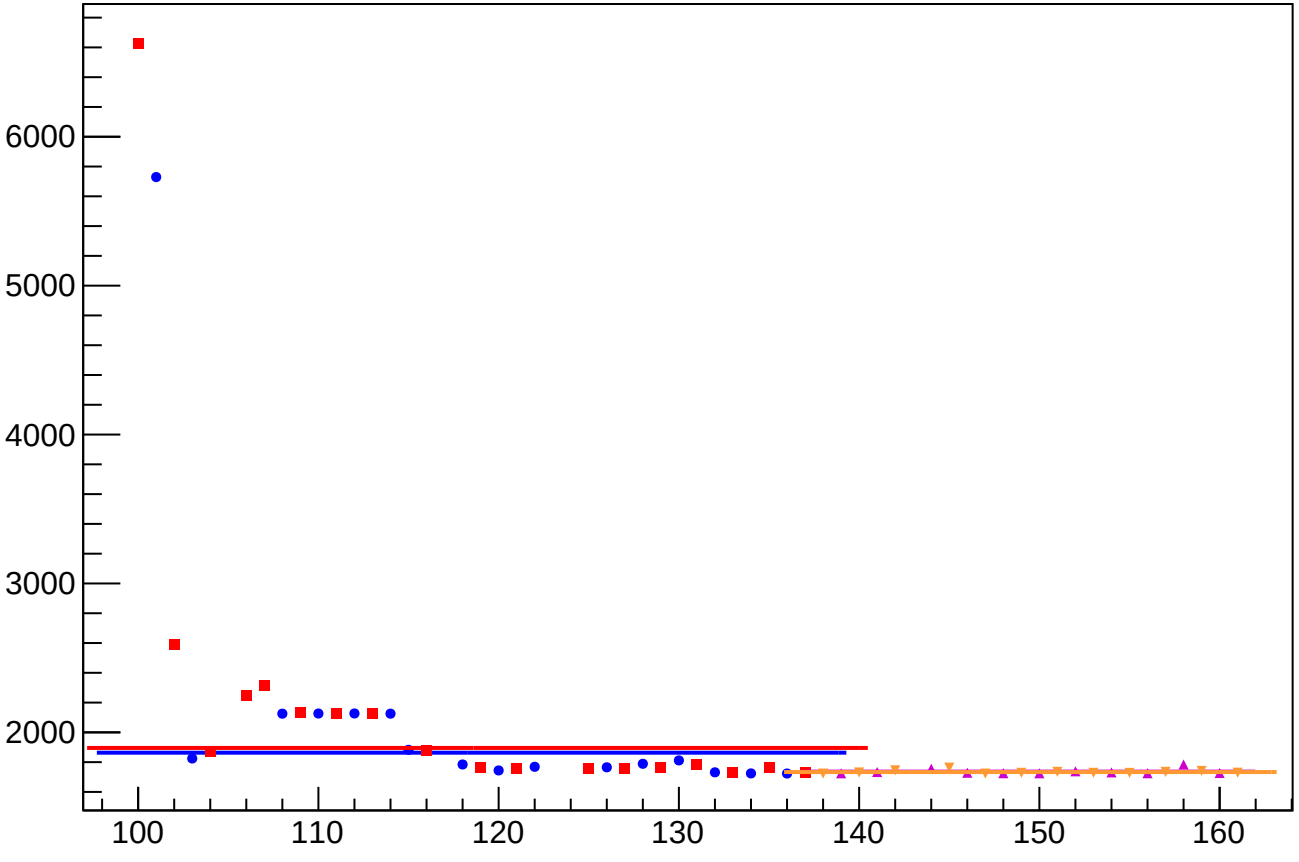
Left In: -248.756+/-561.618 χ^2/NDF:14.2/10

+ sign -29.286+/-439.849 χ^2/NDF: 25.0/27

All: -175.751+/-311.501 χ^2/NDF: 55.3/56

- sign -323.125+/-441.212 χ^2/NDF: 30.0/28

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.487+/-0.397 χ^2/NDF:709.6/11

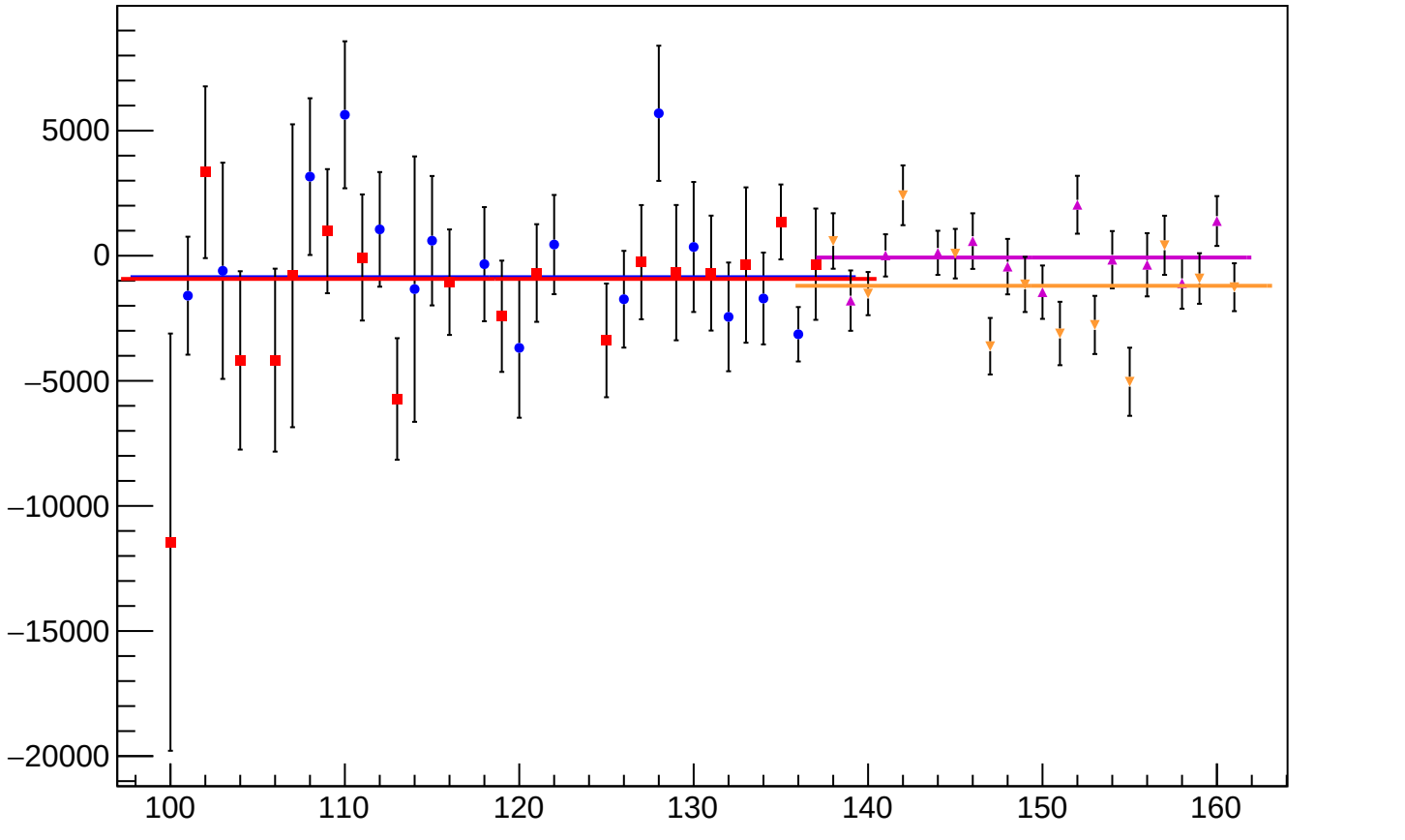
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1736.392+/-0.397 χ^2/NDF:1882.2/10

+ sign 1783.535+/-0.311 χ^2/NDF: 716789.4/27

All: 1790.395+/-0.220 χ^2/NDF: 1040263.6/56

- sign 1797.299+/-0.312 χ^2/NDF: 322498.0/28



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1201.896+/-313.640 χ^2/NDF:32.1/11

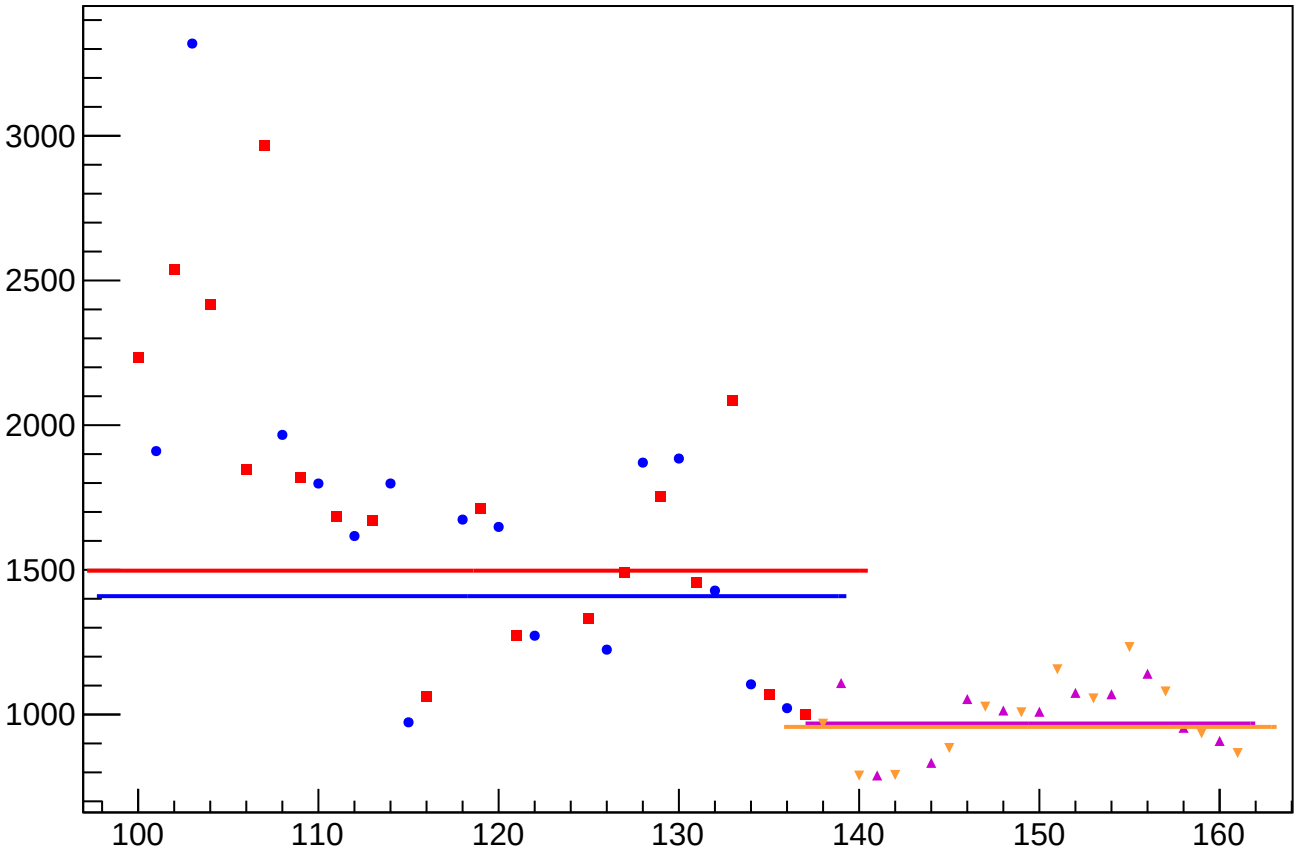
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -72.183+/-316.333 χ^2/NDF:10.8/10

+ sign -1117.477+/-272.423 χ^2/NDF: 53.0/27

All: -700.585+/-194.658 χ^2/NDF: 83.8/56

- sign -265.683+/-278.245 χ^2/NDF: 26.0/28



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 957.231+/-0.222 χ^2/NDF:323457.4/11

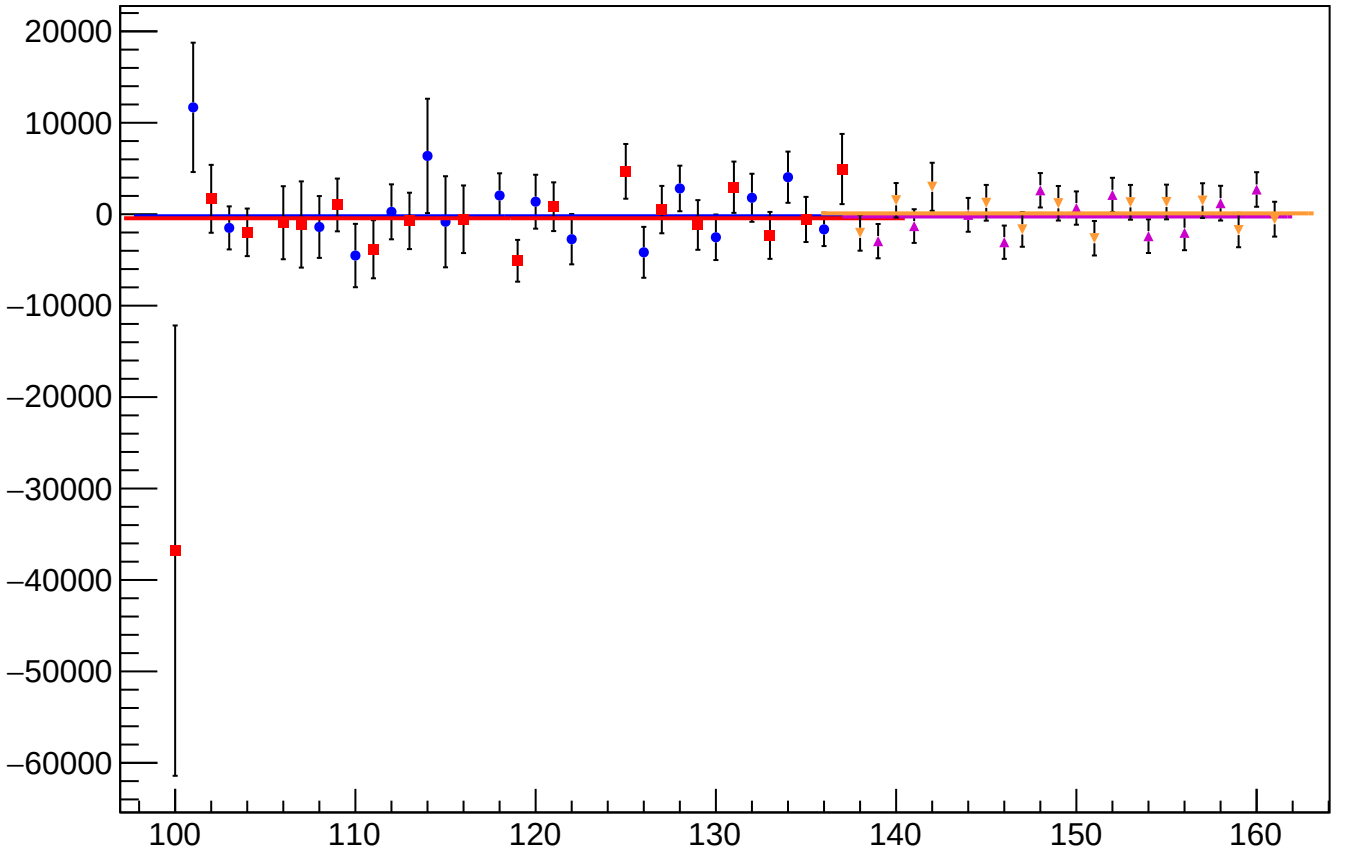
Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 968.915+/-0.224 χ^2/NDF:259984.0/10

+ sign 1068.172+/-0.193 χ^2/NDF: 2509568.9/27

All: 1078.103+/-0.138 χ^2/NDF: 5055234.7/56

- sign 1088.462+/-0.197 χ^2/NDF: 2540236.1/28



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 92.303+/-560.742 χ^2/NDF:9.1/11

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

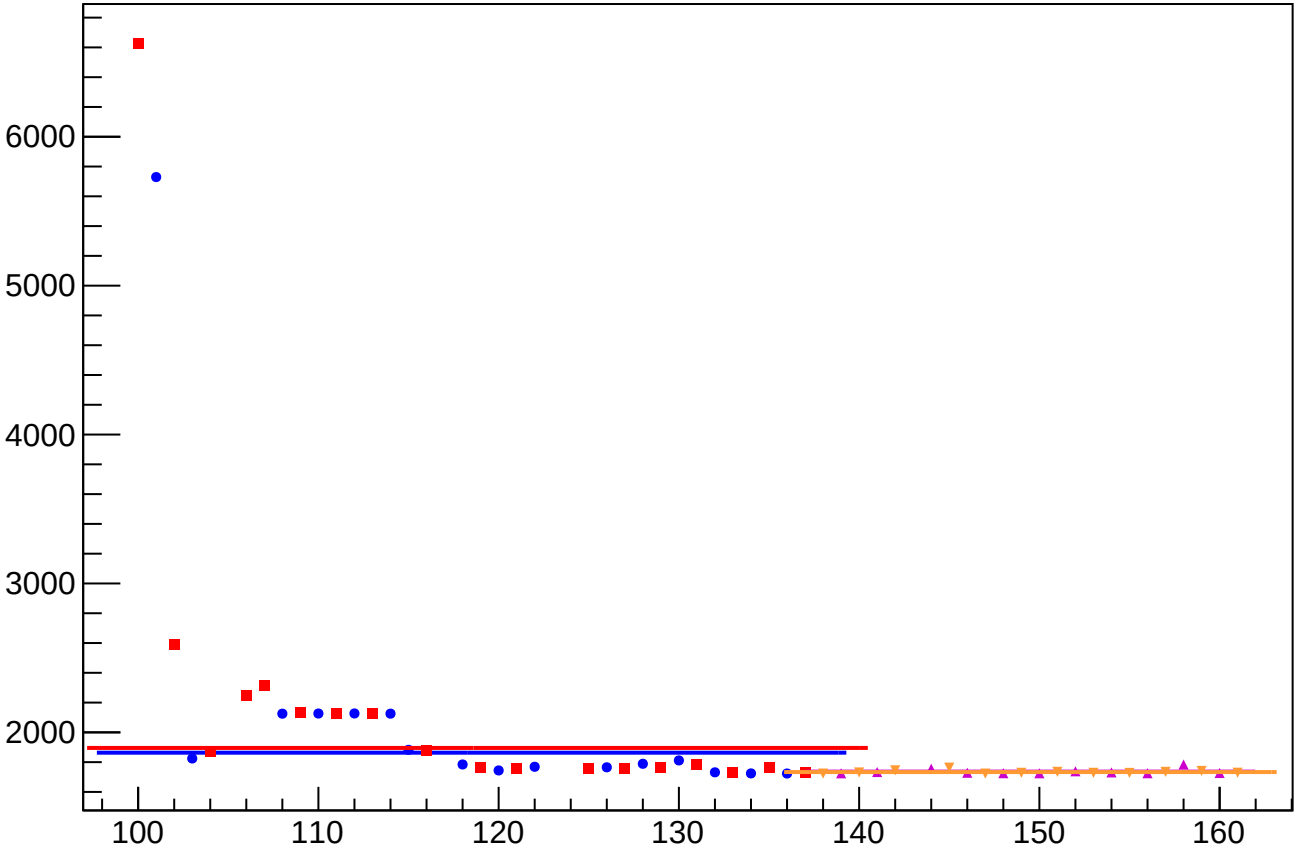
Left In: -248.756+/-561.618 χ^2/NDF:14.2/10

+ sign -29.286+/-439.849 χ^2/NDF: 25.0/27

All: -175.751+/-311.501 χ^2/NDF: 55.3/56

- sign -323.125+/-441.212 χ^2/NDF: 30.0/28

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: 1733.487+/-0.397 χ^2/NDF:709.6/11

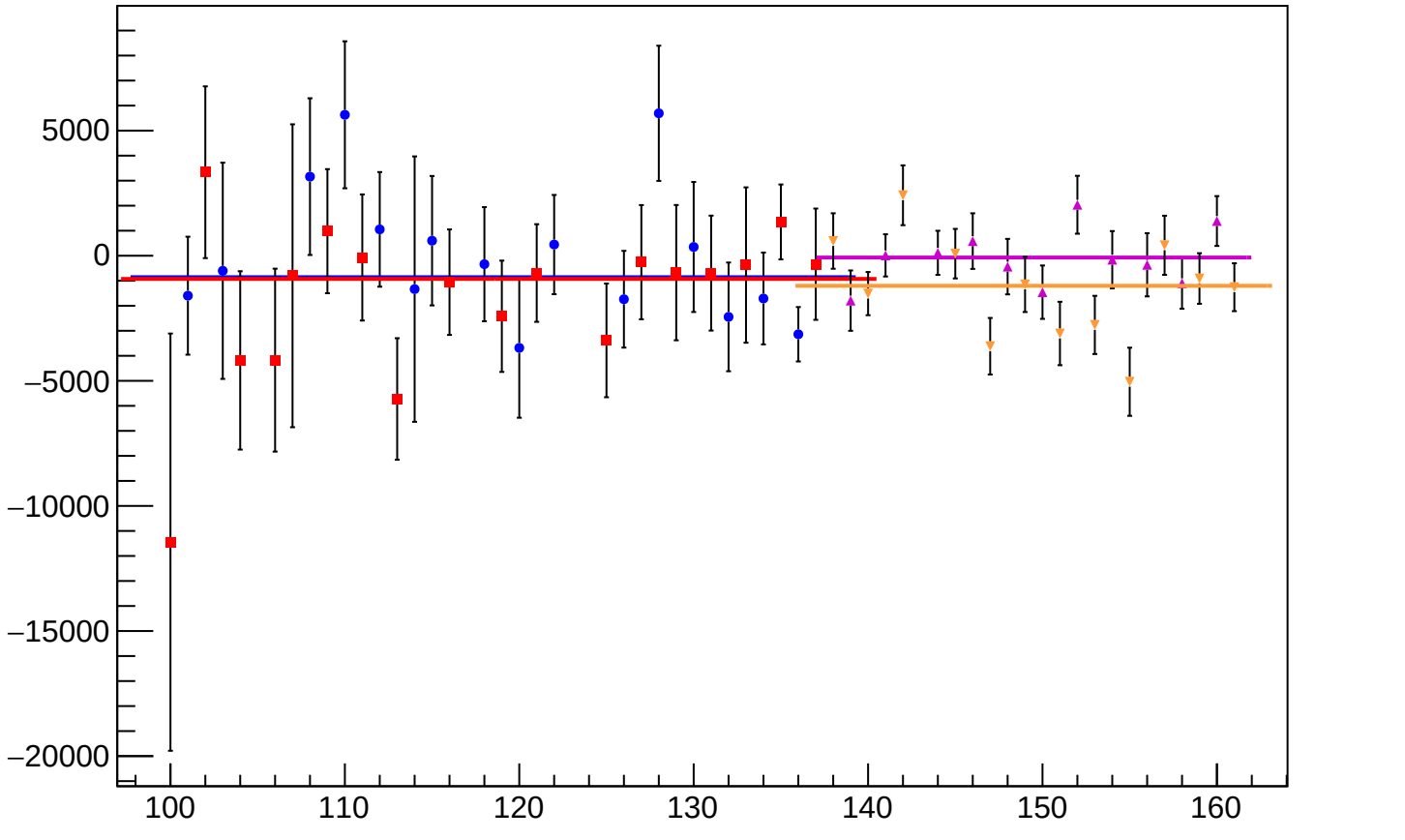
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1736.392+/-0.397 χ^2/NDF:1882.2/10

+ sign 1783.535+/-0.311 χ^2/NDF: 716789.4/27

All: 1790.395+/-0.220 χ^2/NDF: 1040263.6/56

- sign 1797.299+/-0.312 χ^2/NDF: 322498.0/28



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1201.896+/-313.640 χ^2/NDF:32.1/11

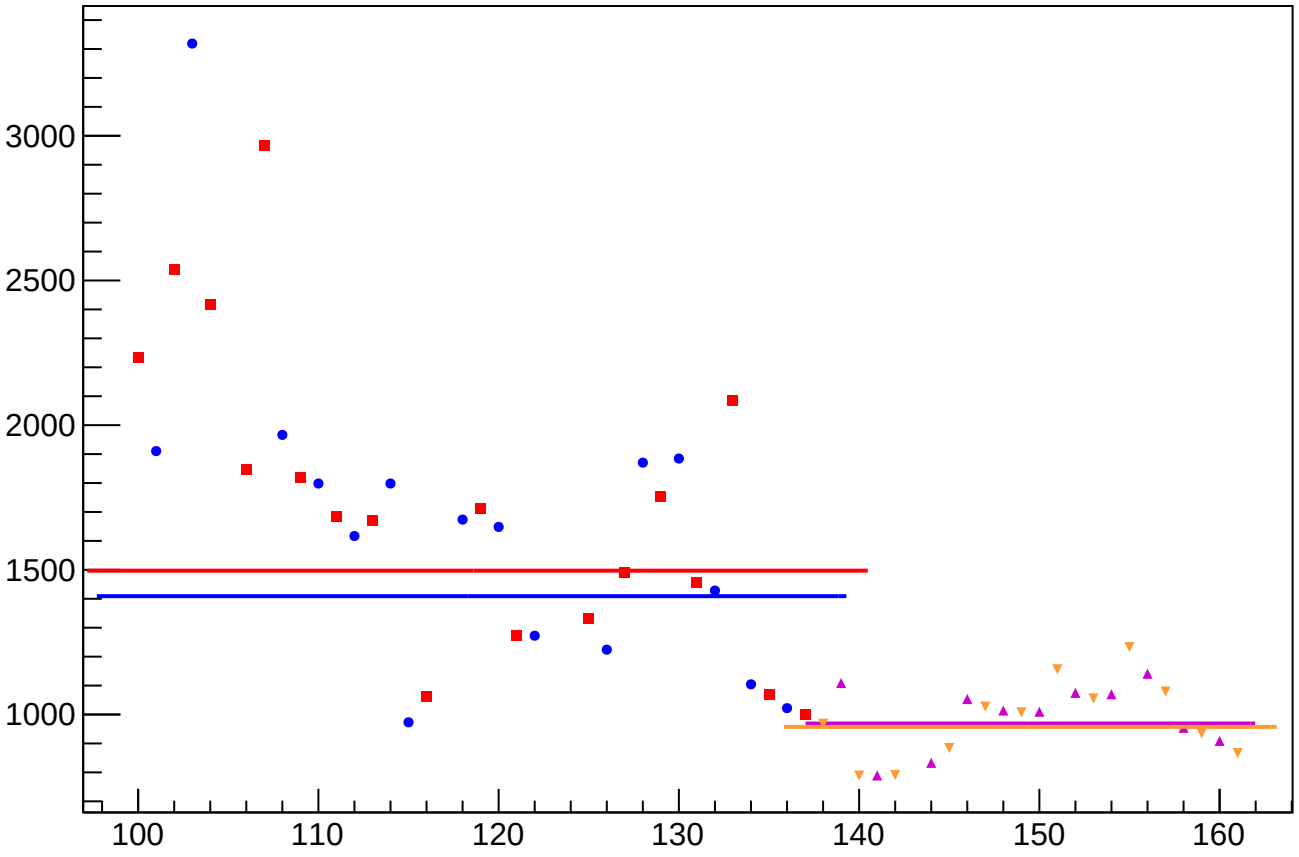
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -72.183+/-316.333 χ^2/NDF:10.8/10

+ sign -1117.477+/-272.423 χ^2/NDF: 53.0/27

All: -700.585+/-194.658 χ^2/NDF: 83.8/56

- sign -265.683+/-278.245 χ^2/NDF: 26.0/28



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 957.231+/-0.222 χ^2/NDF:323457.4/11

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

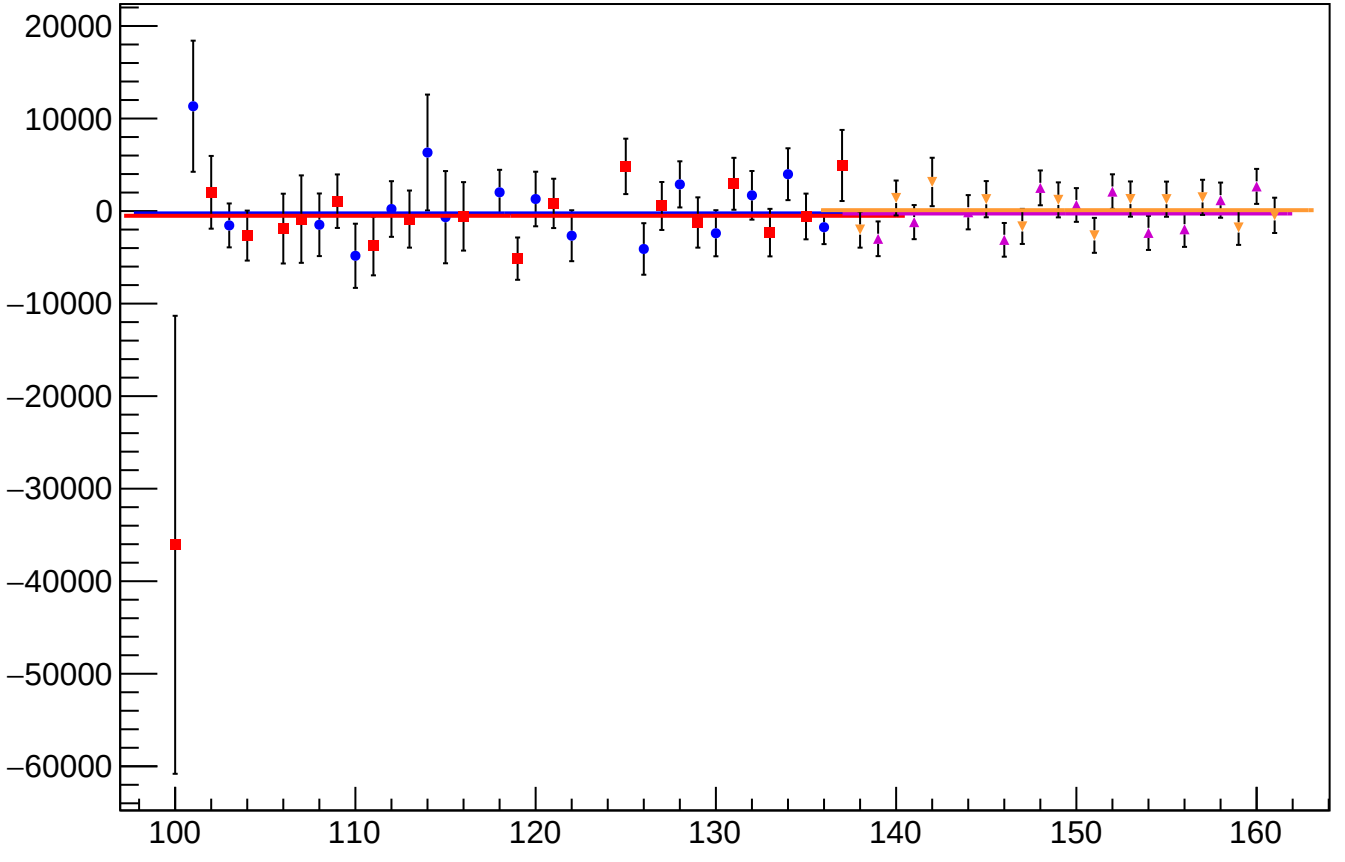
Left In: 968.915+/-0.224 χ^2/NDF:259984.0/10

+ sign 1068.172+/-0.193 χ^2/NDF: 2509568.9/27

All: 1078.103+/-0.138 χ^2/NDF: 5055234.7/56

- sign 1088.462+/-0.197 χ^2/NDF: 2540236.1/28

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 95.717+/-560.932 χ^2/NDF:9.1/11

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

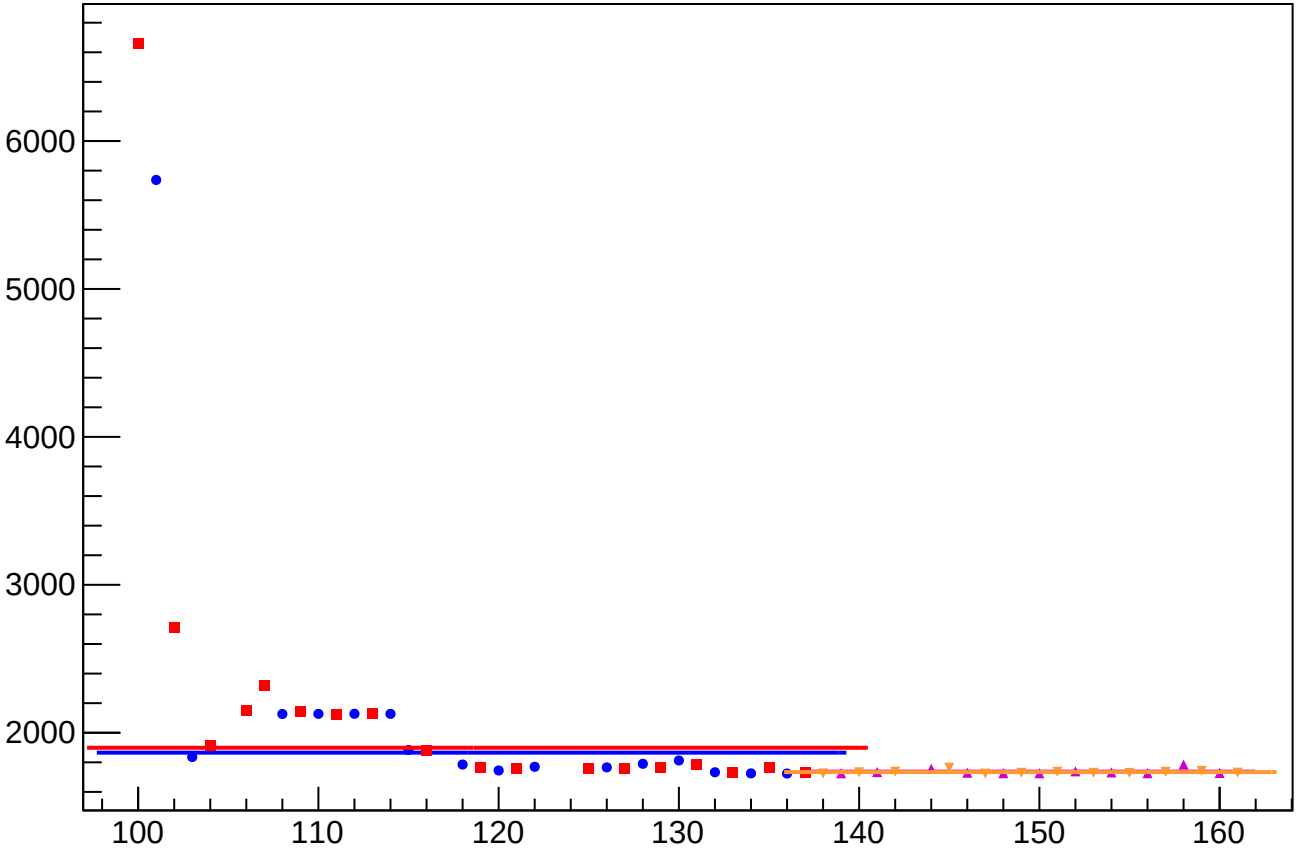
Left In: -262.335+/-561.881 χ^2/NDF:13.9/10

+ sign -37.927+/-440.137 χ^2/NDF: 24.8/27

All: -196.759+/-311.843 χ^2/NDF: 55.5/56

- sign -356.862+/-441.893 χ^2/NDF: 30.4/28

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.022+/-0.397 χ^2/NDF:659.9/11

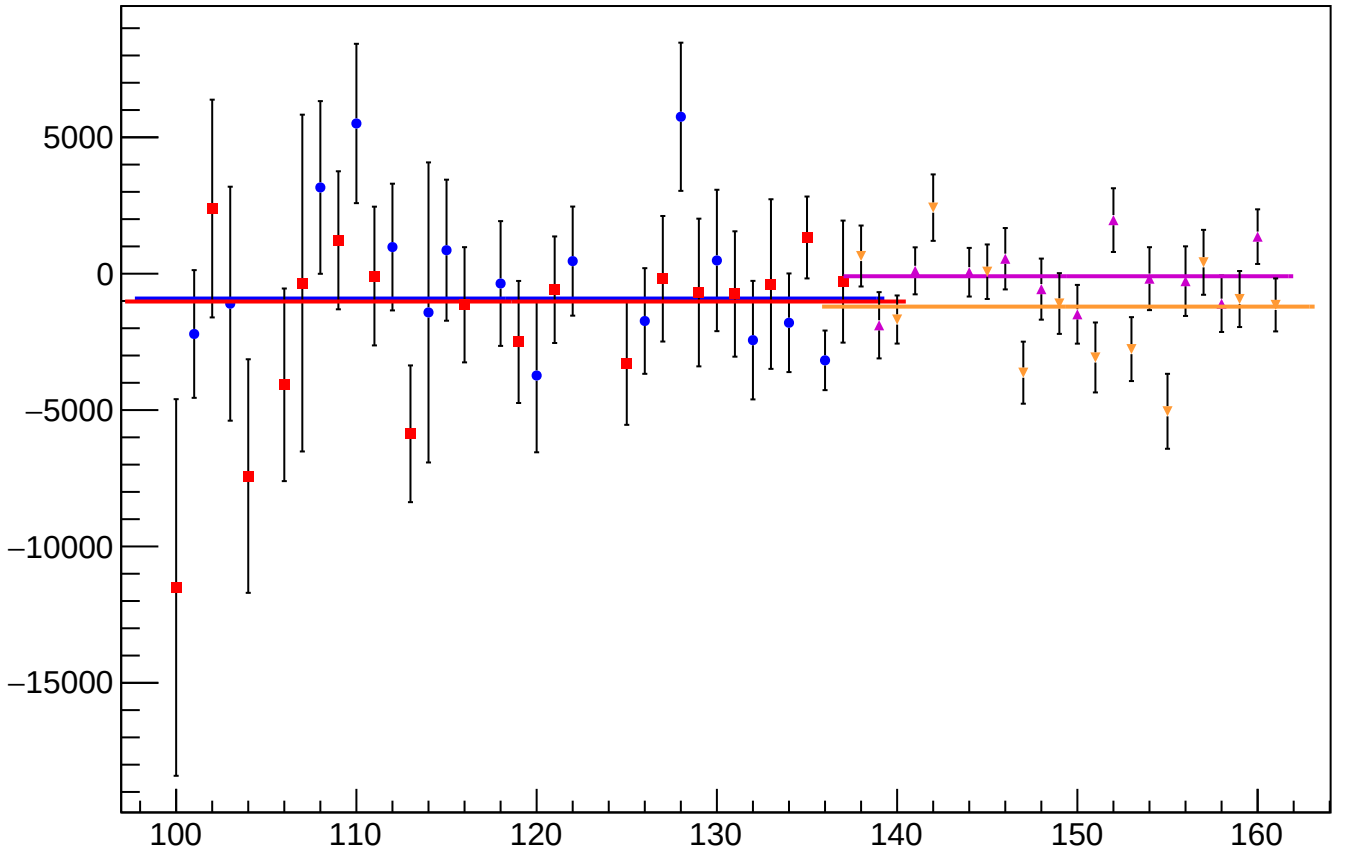
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1737.206+/-0.397 χ^2/NDF:1879.0/10

+ sign 1784.529+/-0.311 χ^2/NDF: 717839.4/27

All: 1791.625+/-0.221 χ^2/NDF: 1052825.7/56

- sign 1798.778+/-0.312 χ^2/NDF: 333942.4/28



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1207.172+/-317.481 χ^2/NDF:31.7/11

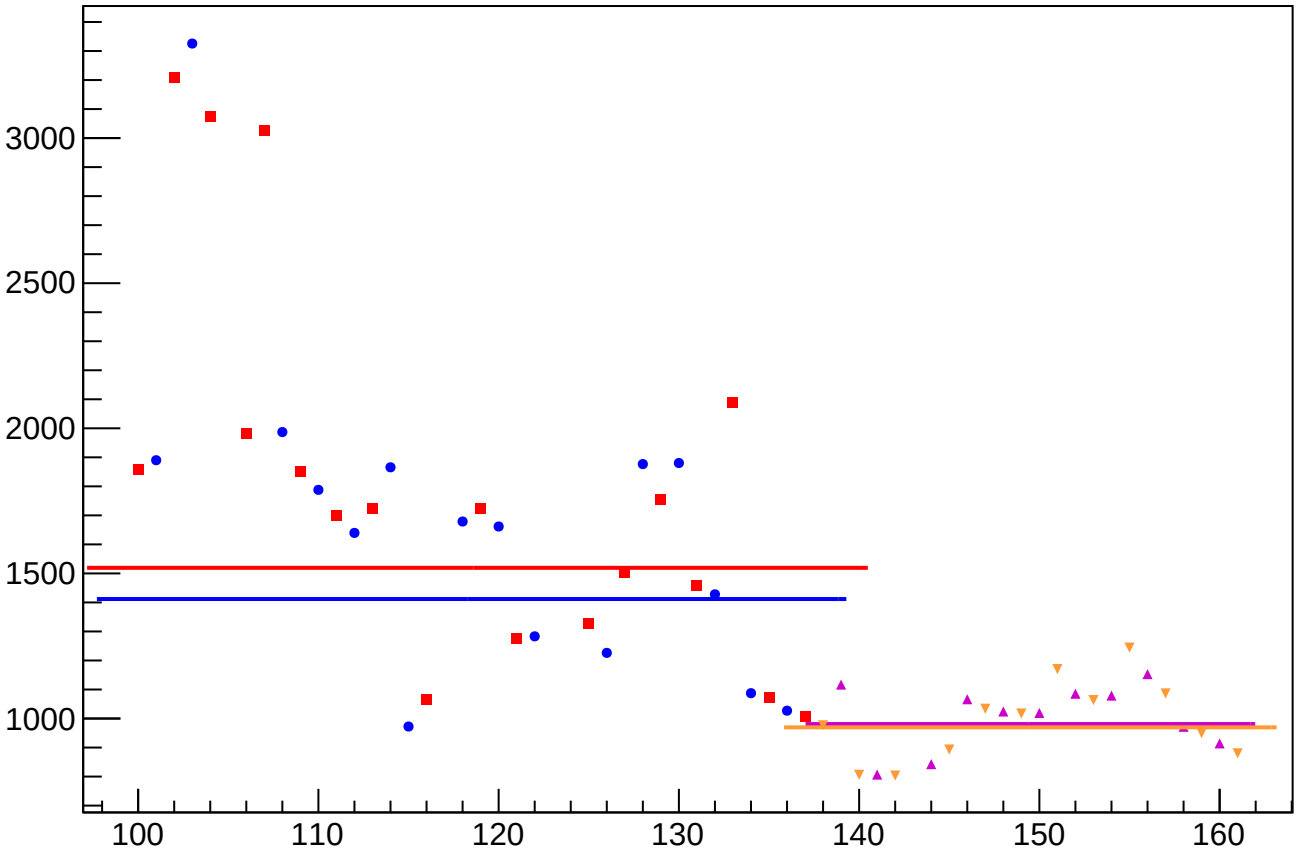
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -93.629+/-320.101 χ^2/NDF:10.6/10

+ sign -1133.308+/-275.064 χ^2/NDF: 52.9/27

All: -728.019+/-196.746 χ^2/NDF: 84.8/56

- sign -303.446+/-281.532 χ^2/NDF: 27.5/28



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 969.585+/-0.224 χ^2/NDF:306614.9/11

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

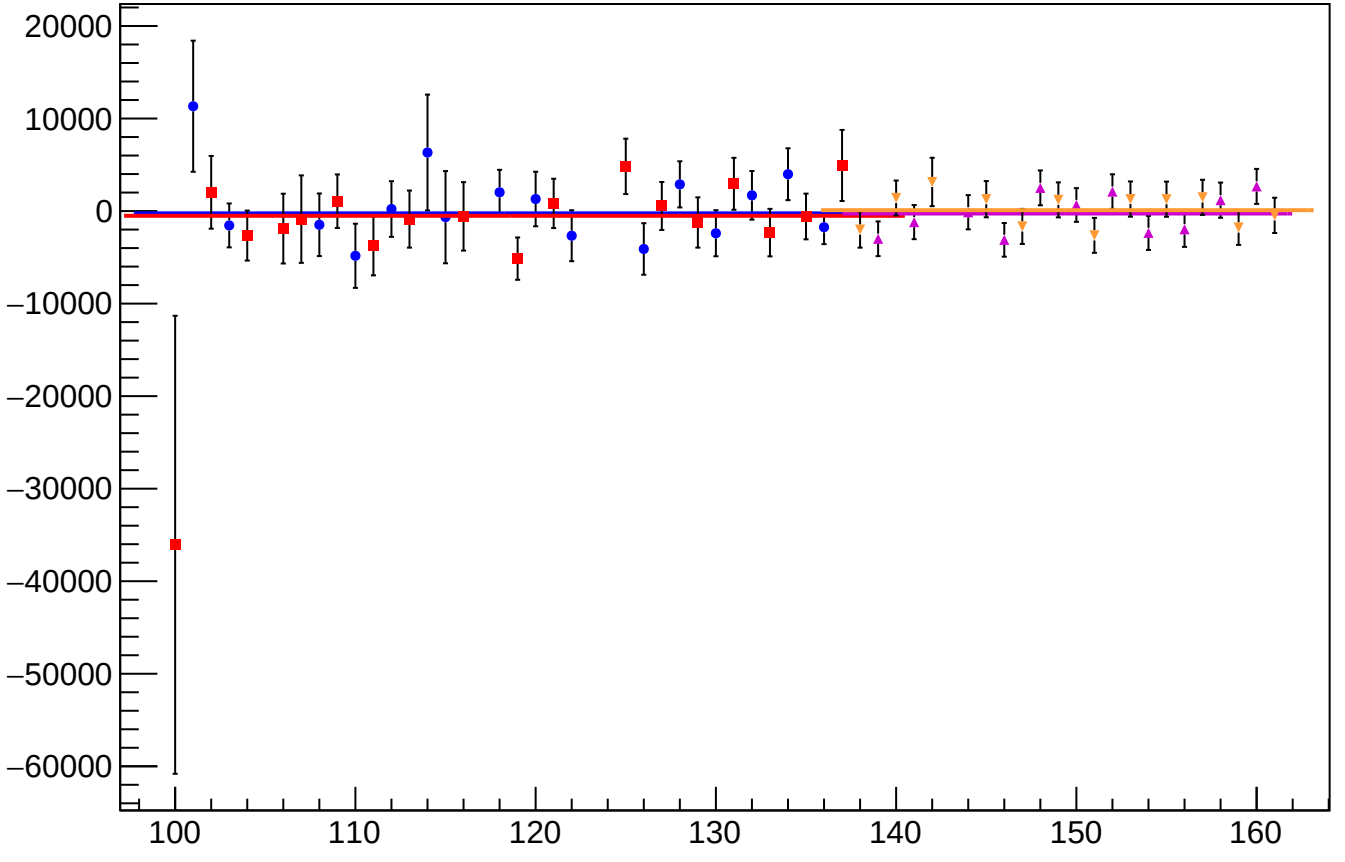
Left In: 981.001+/-0.226 χ^2/NDF:247583.3/10

+ sign 1079.842+/-0.194 χ^2/NDF: 2451707.2/27

All: 1091.107+/-0.139 χ^2/NDF: 5347187.4/56

- sign 1102.907+/-0.199 χ^2/NDF: 2888612.2/28

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 95.716+/-560.932 χ^2/NDF:9.1/11

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

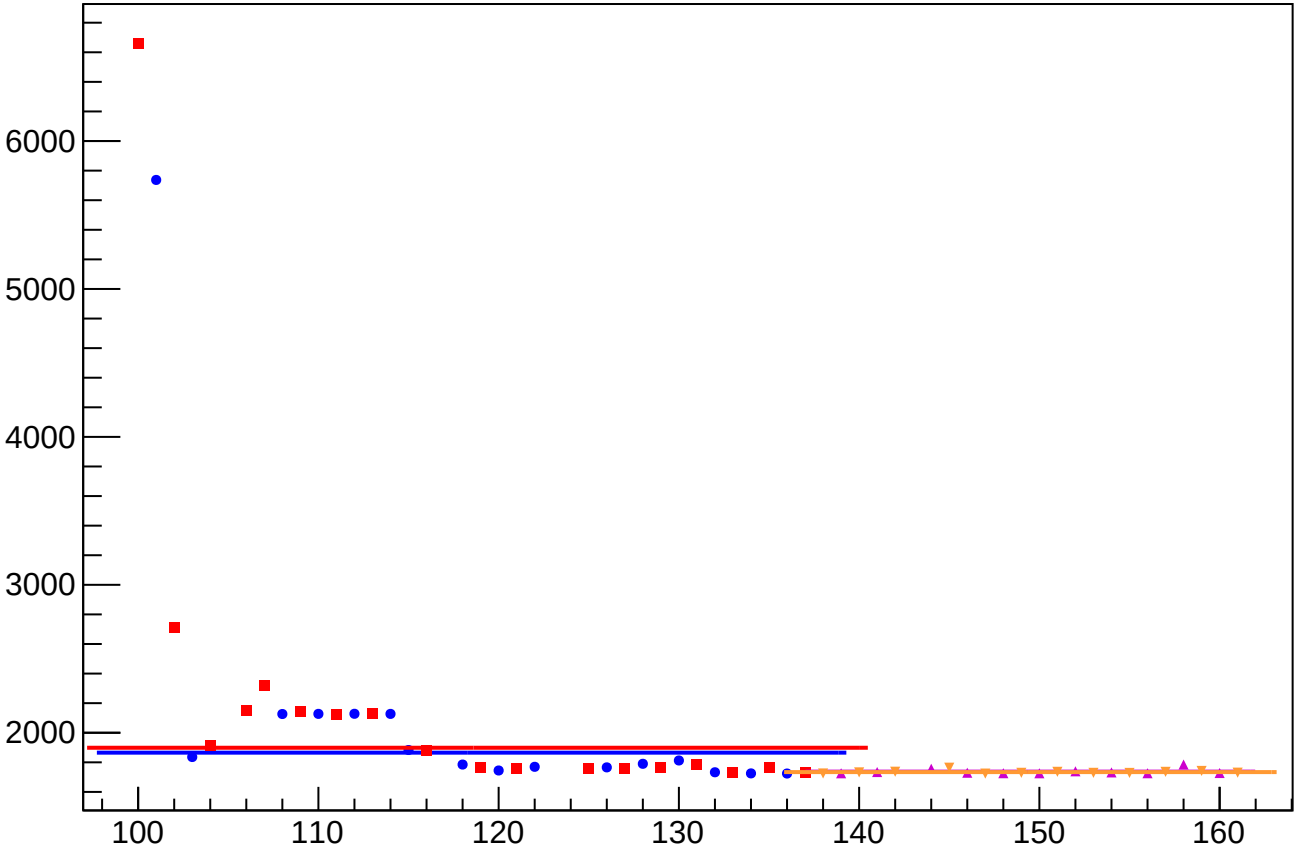
Left In: -262.336+/-561.881 χ^2/NDF:13.9/10

+ sign -37.927+/-440.137 χ^2/NDF: 24.8/27

All: -196.759+/-311.843 χ^2/NDF: 55.5/56

- sign -356.862+/-441.893 χ^2/NDF: 30.4/28

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: 1734.022+/-0.397 χ^2/NDF:659.9/11

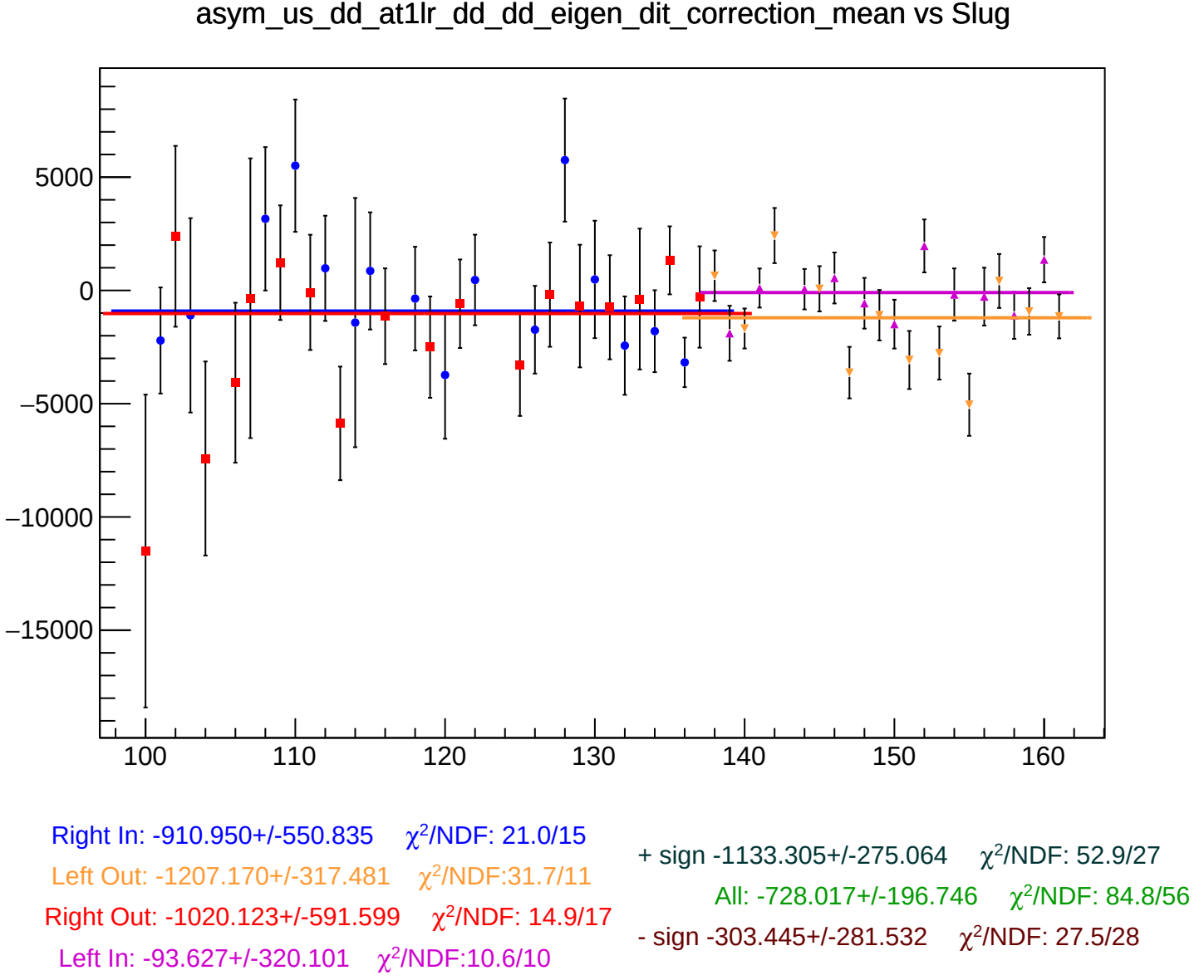
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

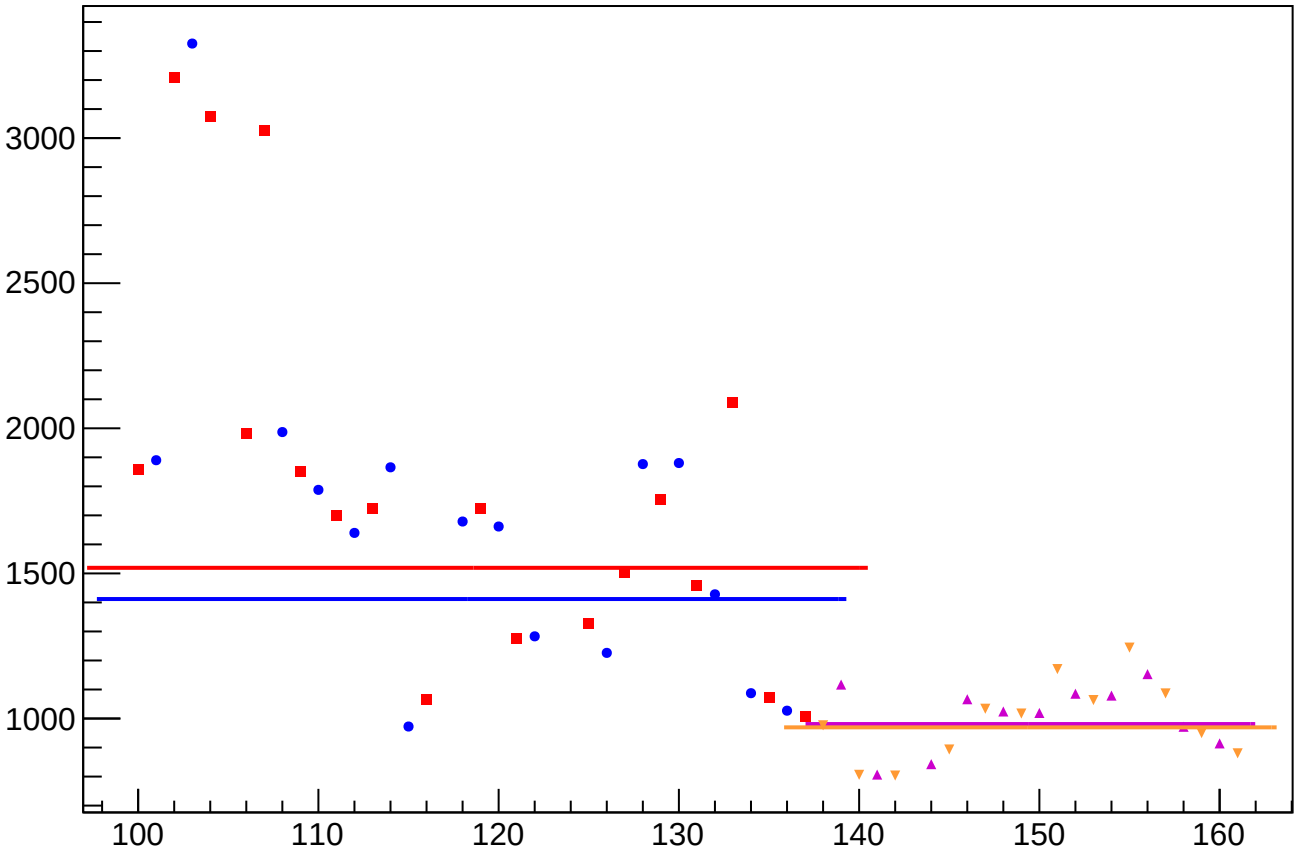
Left In: 1737.206+/-0.397 χ^2/NDF:1879.0/10

+ sign 1784.529+/-0.311 χ^2/NDF: 717839.3/27

All: 1791.625+/-0.221 χ^2/NDF: 1052825.4/56

- sign 1798.778+/-0.312 χ^2/NDF: 333942.1/28


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -910.950+/-550.835 χ²/NDF: 21.0/15
Left Out: -1207.170+/-317.481 χ²/NDF:31.7/11
Right Out: -1020.123+/-591.599 χ²/NDF: 14.9/17
Left In: -93.627+/-320.101 χ²/NDF:10.6/10
+ sign -1133.305+/-275.064 χ²/NDF: 52.9/27
All: -728.017+/-196.746 χ²/NDF: 84.8/56
- sign -303.445+/-281.532 χ²/NDF: 27.5/28



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 969.585+/-0.224 χ^2/NDF:306623.9/11

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

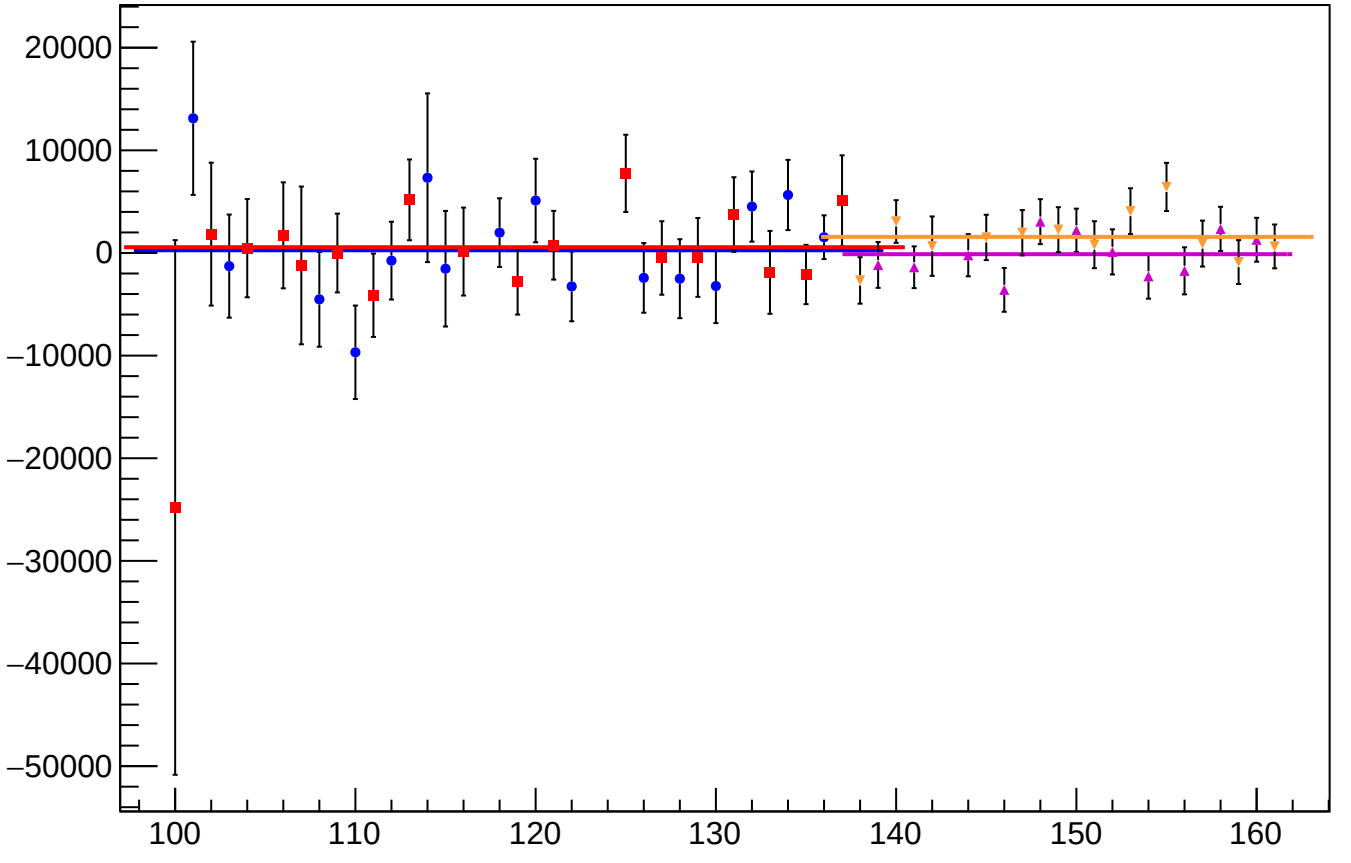
Left In: 981.001+/-0.226 χ^2/NDF:247591.5/10

+ sign 1079.841+/-0.194 χ^2/NDF: 2451707.0/27

All: 1091.106+/-0.139 χ^2/NDF: 5347190.7/56

- sign 1102.907+/-0.199 χ^2/NDF: 2888615.4/28

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1566.478+/-648.792 χ^2/NDF:11.5/11

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

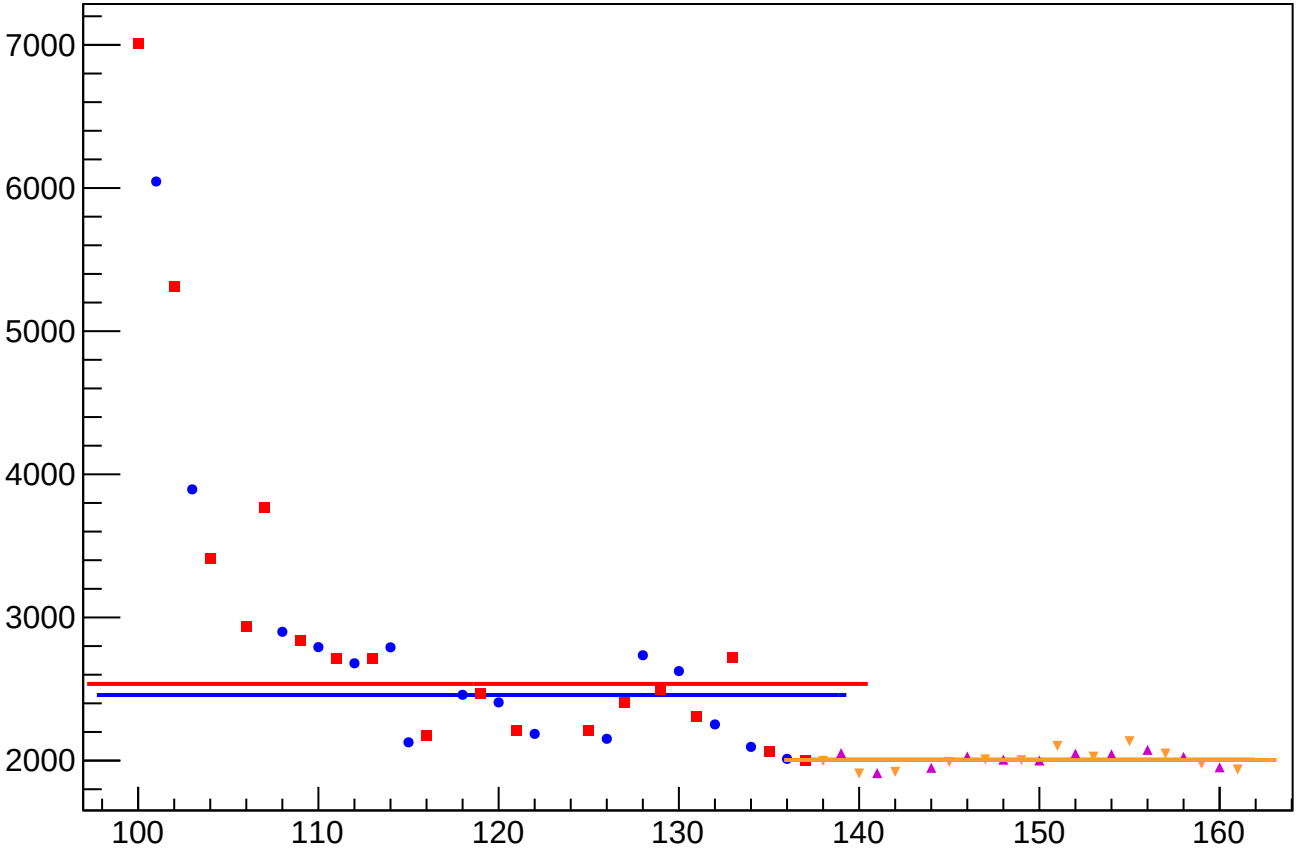
Left In: -119.166+/-649.132 χ^2/NDF:9.8/10

+ sign 1147.529+/-534.319 χ^2/NDF: 31.9/27

All: 624.300+/-379.204 χ^2/NDF: 55.7/56

- sign 93.336+/-538.254 χ^2/NDF: 21.9/28

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 2004.229+/-0.459 χ^2/NDF:19065.0/11

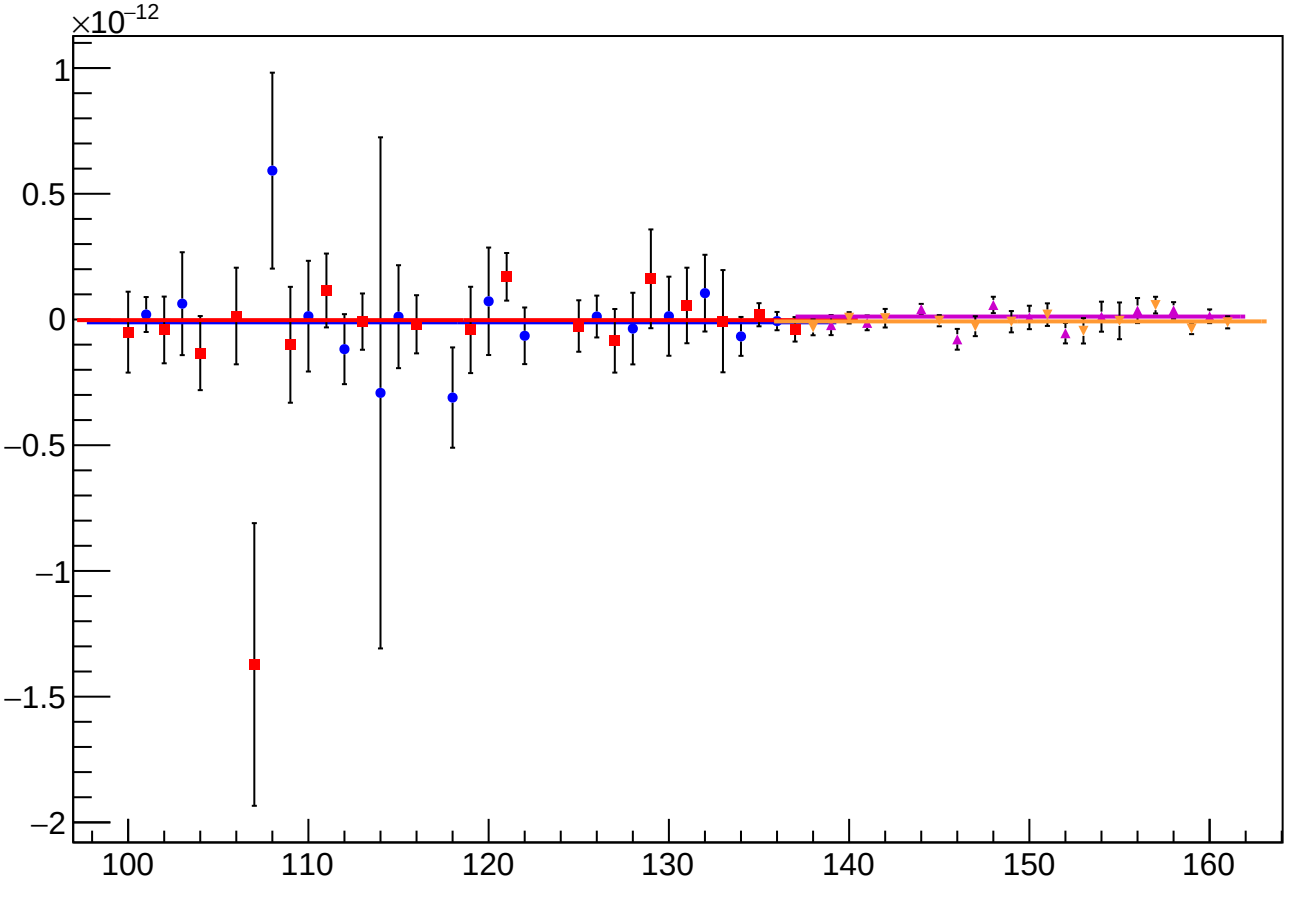
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 2006.153+/-0.459 χ^2/NDF:11359.4/10

+ sign 2150.337+/-0.378 χ^2/NDF: 1167195.8/27

All: 2160.907+/-0.268 χ^2/NDF: 2269459.8/56

- sign 2171.633+/-0.381 χ^2/NDF: 1100687.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/11

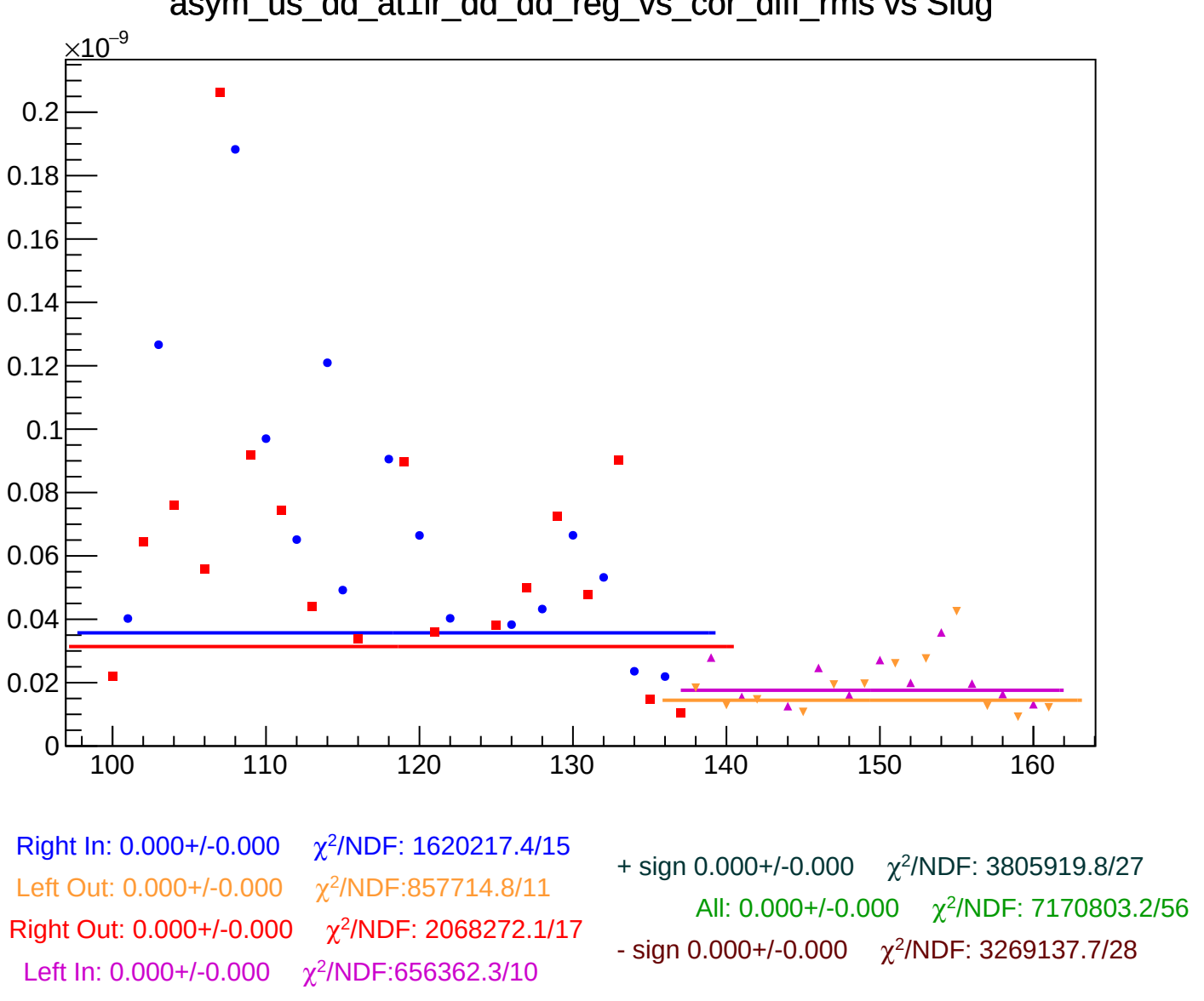
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

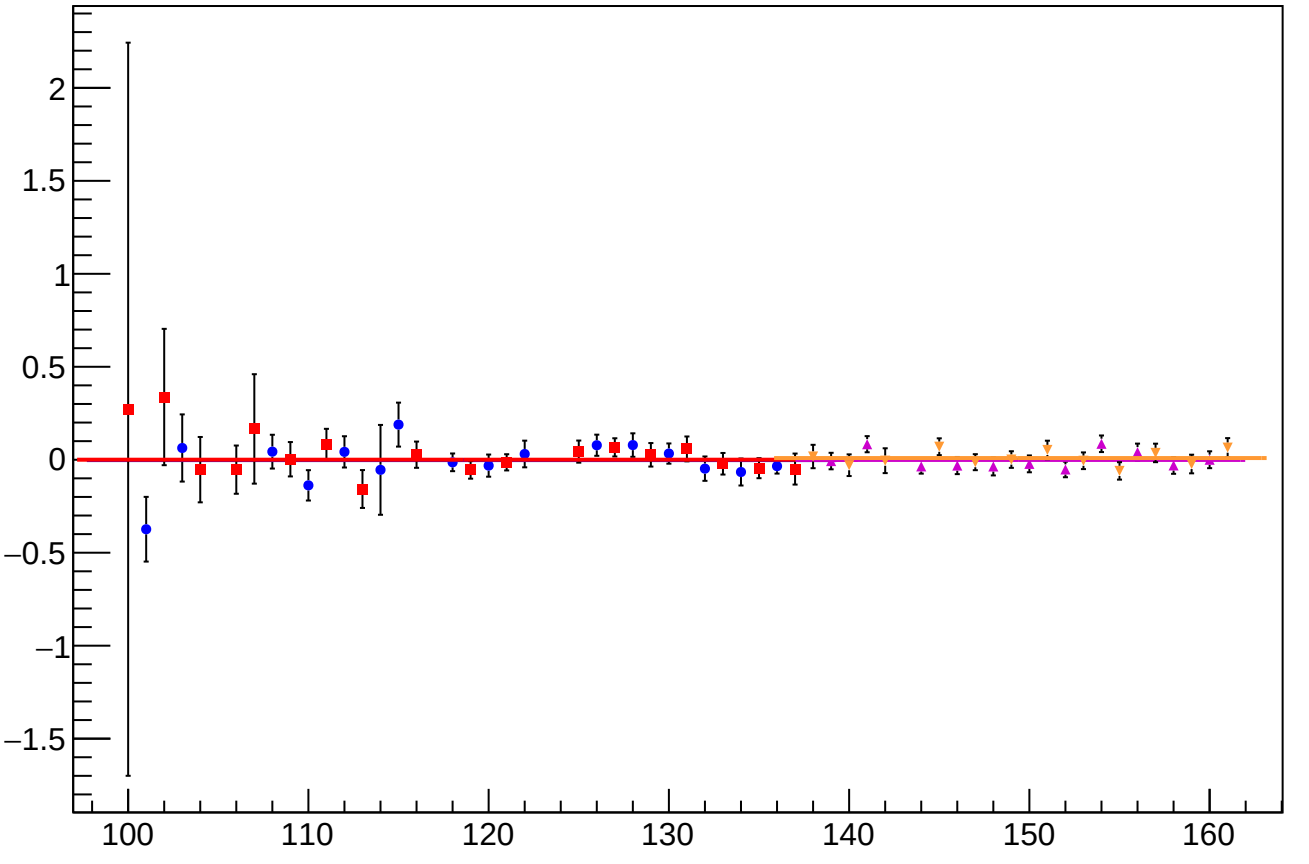
Left In: 0.000+/-0.000 χ^2/NDF:13.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 15.1/27

All: -0.000+/-0.000 χ^2/NDF: 44.2/56

- sign 0.000+/-0.000 χ^2/NDF: 27.2/28


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
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:857714.8/11
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:656362.3/10
+ sign 0.000+/-0.000 χ²/NDF: 3805919.8/27
All: 0.000+/-0.000 χ²/NDF: 7170803.2/56
- sign 0.000+/-0.000 χ²/NDF: 3269137.7/28



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.009+/-0.014 χ^2/NDF:7.6/11

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

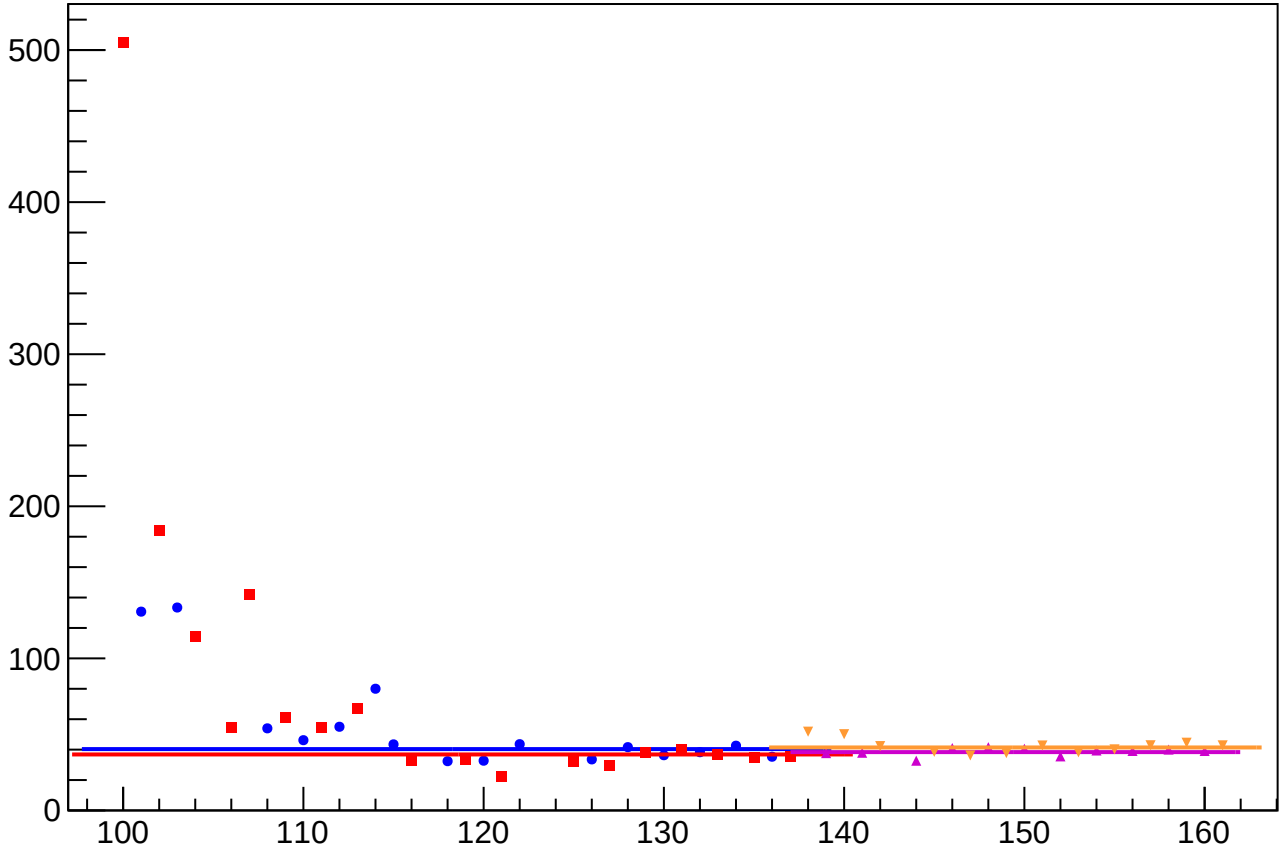
Left In: -0.001+/-0.013 χ^2/NDF:12.3/10

+ sign 0.005+/-0.011 χ^2/NDF: 24.9/27

All: 0.002+/-0.008 χ^2/NDF: 48.3/56

- sign -0.000+/-0.010 χ^2/NDF: 23.2/28

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.423+/-0.010 χ^2/NDF:174614.9/11

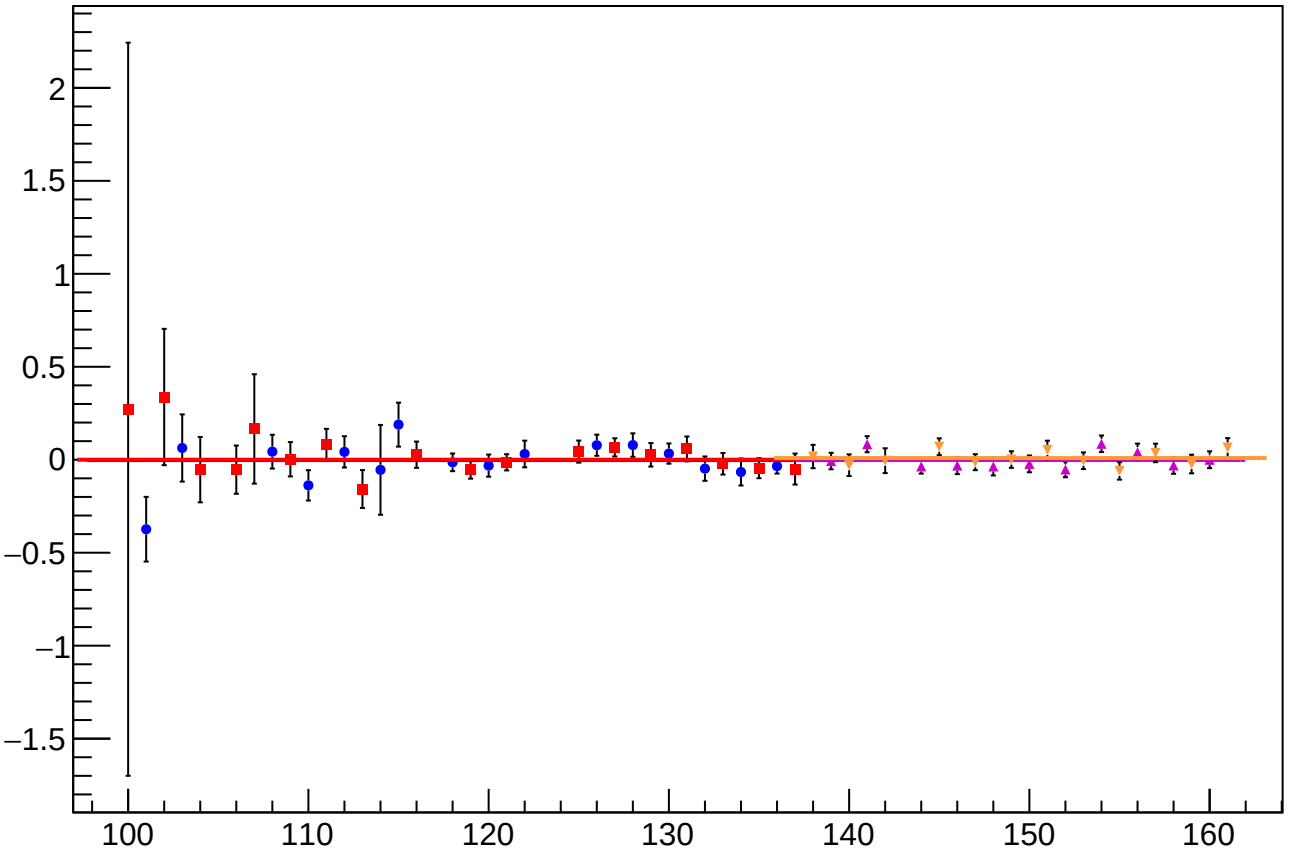
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.364+/-0.009 χ^2/NDF:76936.2/10

+ sign 40.979+/-0.008 χ^2/NDF: 1589354.8/27

All: 39.284+/-0.005 χ^2/NDF: 3603940.4/56

- sign 37.762+/-0.007 χ^2/NDF: 1924445.3/28



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.009+/-0.014 χ^2/NDF:7.6/11

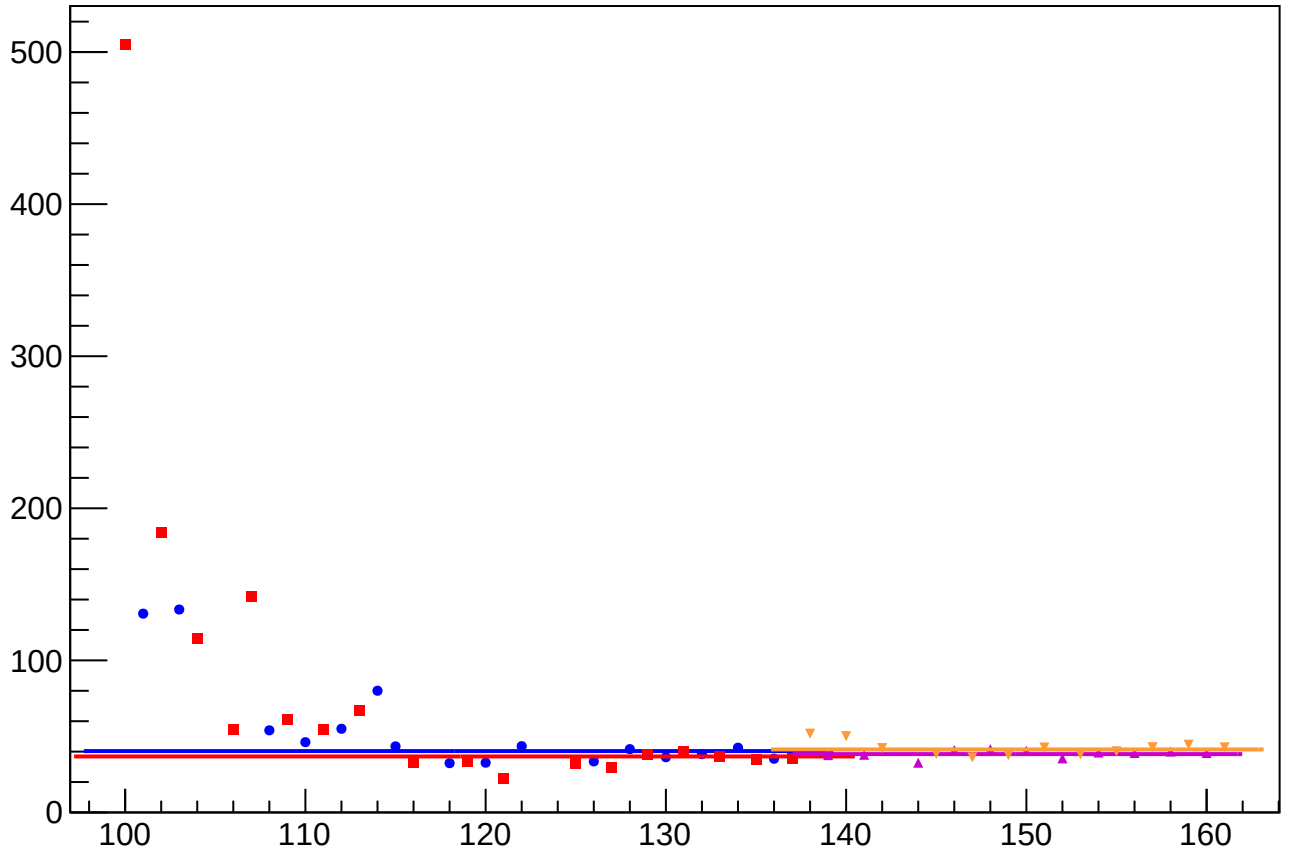
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.013 χ^2/NDF:12.3/10

+ sign 0.005+/-0.011 χ^2/NDF: 24.9/27

All: 0.002+/-0.008 χ^2/NDF: 48.3/56

- sign -0.000+/-0.010 χ^2/NDF: 23.2/28



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.423+/-0.010 χ^2/NDF:174614.9/11

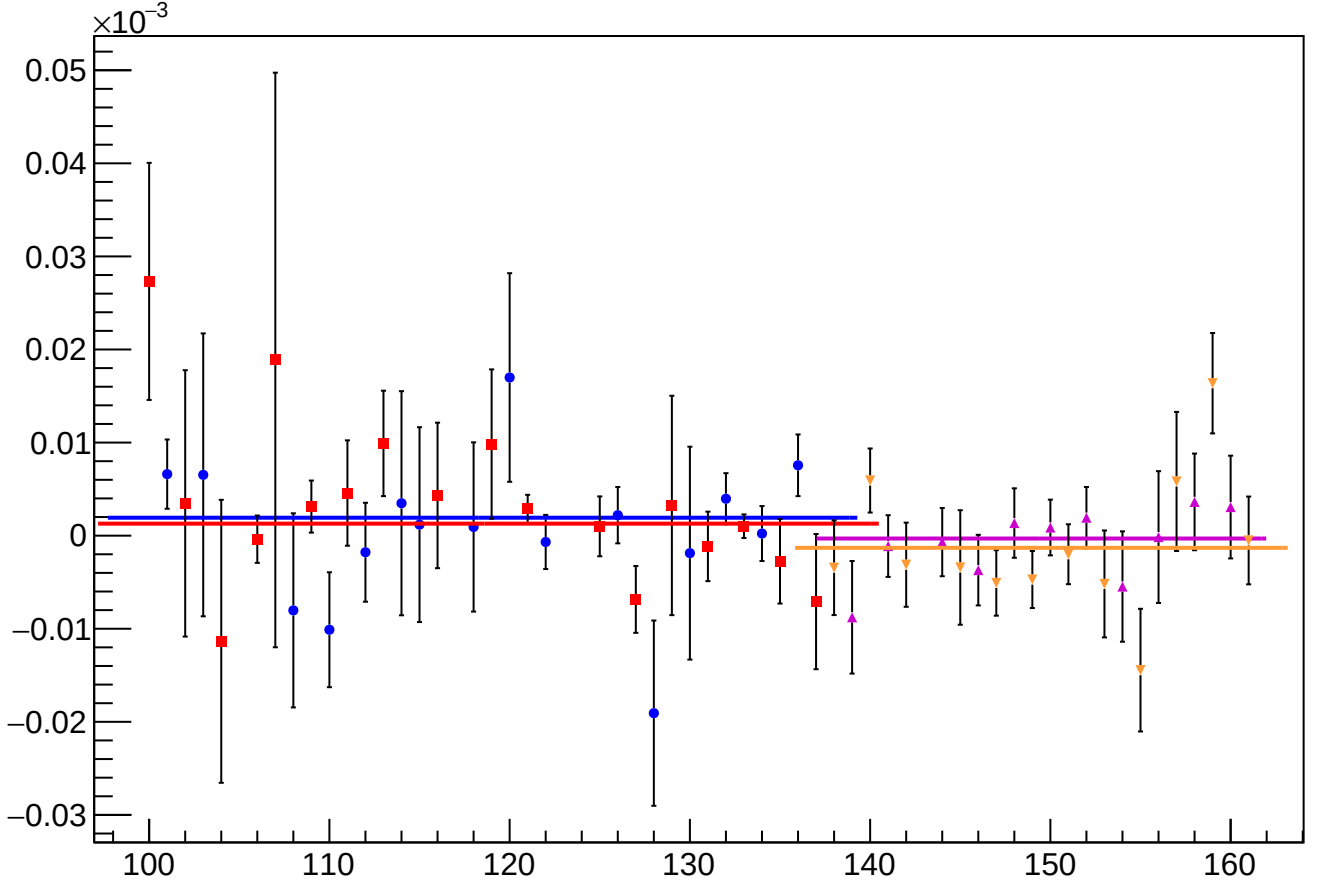
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.364+/-0.009 χ^2/NDF:76936.2/10

\+ sign 40.979+/-0.008 χ^2/NDF: 1589354.8/27

All: 39.284+/-0.005 χ^2/NDF: 3603940.4/56

\- sign 37.762+/-0.007 χ^2/NDF: 1924445.3/28



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.4/11

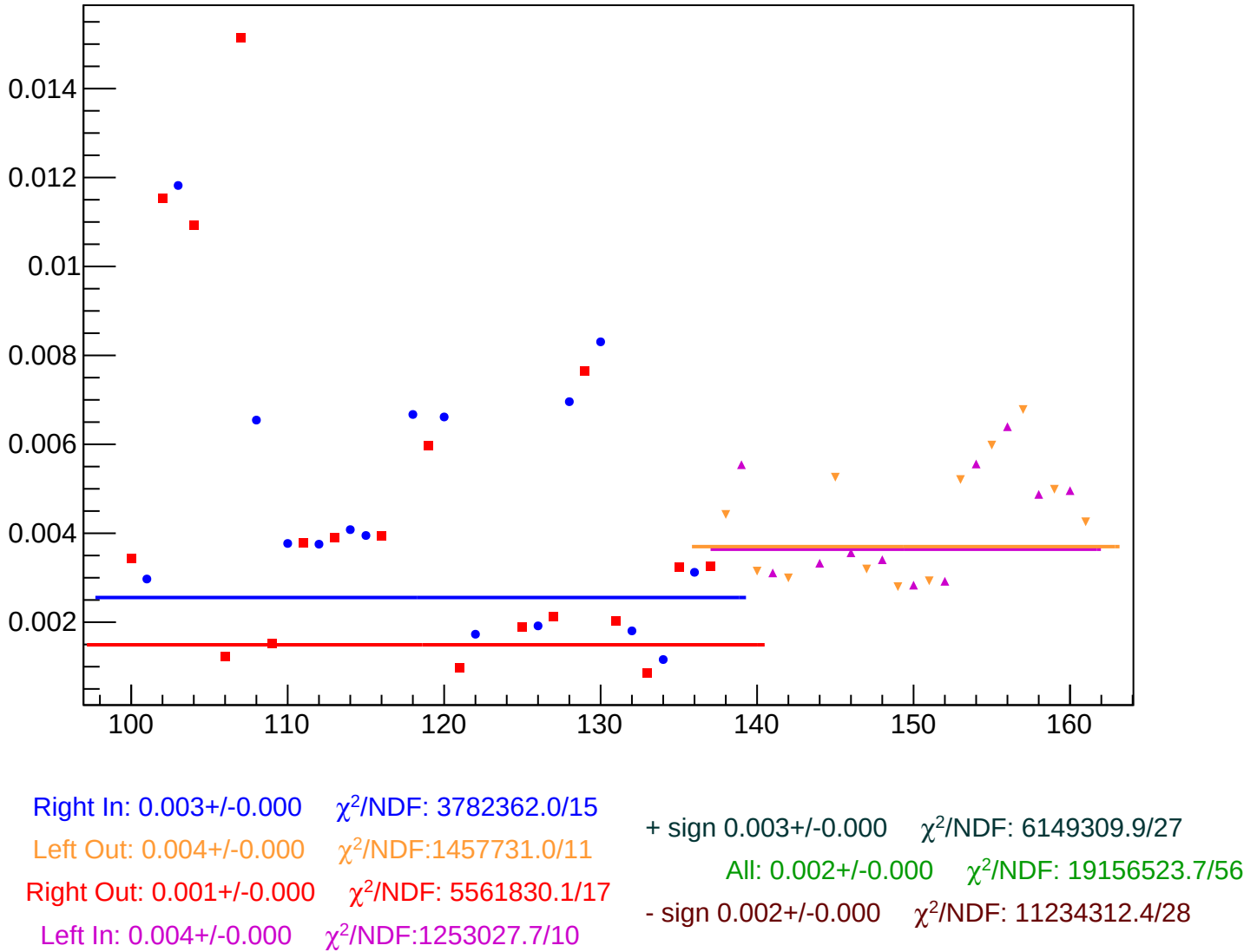
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

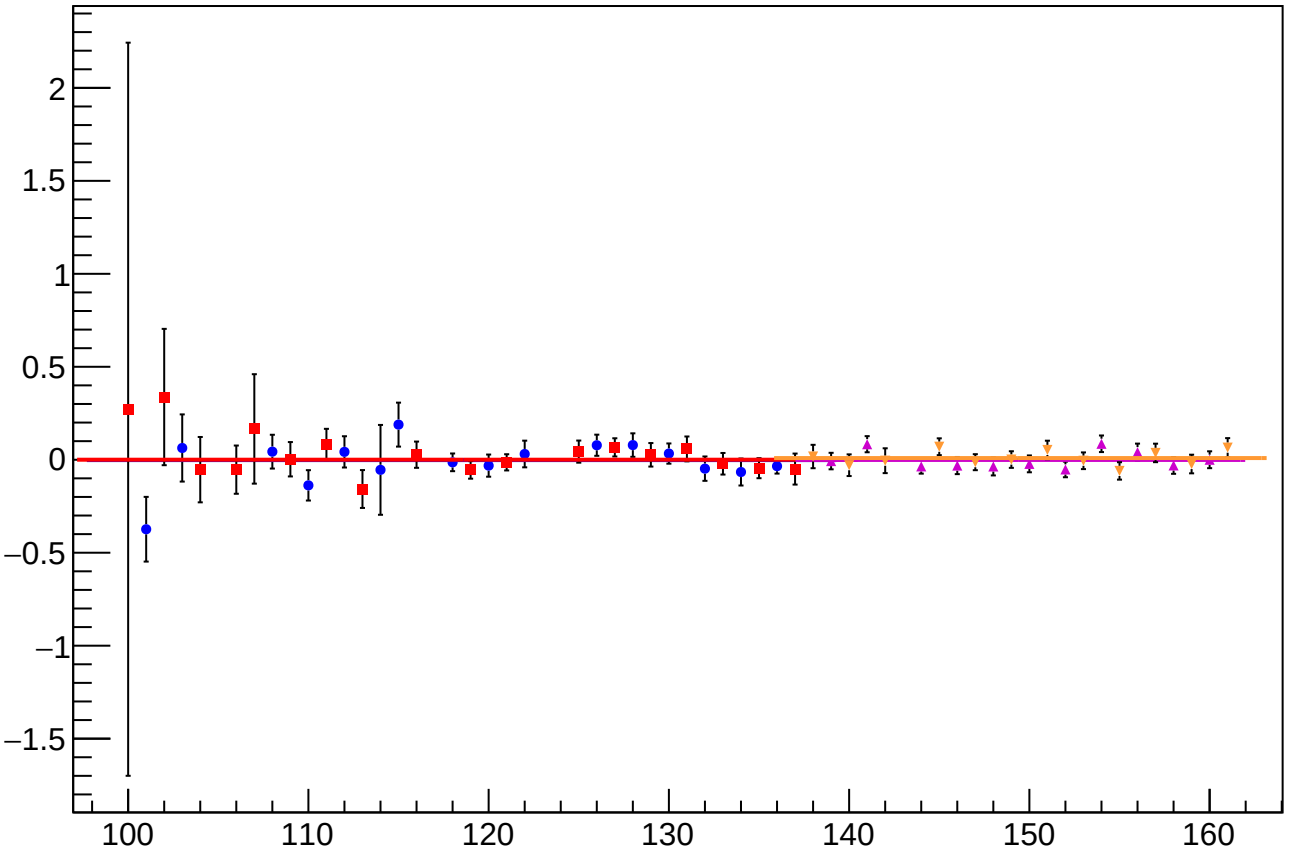
Left In: -0.000+/-0.000 χ^2/NDF:5.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 44.9/27

All: 0.000+/-0.000 χ^2/NDF: 70.5/56

- sign 0.000+/-0.000 χ^2/NDF: 25.5/28


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
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.004+/-0.000 χ²/NDF:1457731.0/11
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:1253027.7/10
+ sign 0.003+/-0.000 χ²/NDF: 6149309.9/27
All: 0.002+/-0.000 χ²/NDF: 19156523.7/56
- sign 0.002+/-0.000 χ²/NDF: 11234312.4/28



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.009+/-0.014 χ^2/NDF:7.6/11

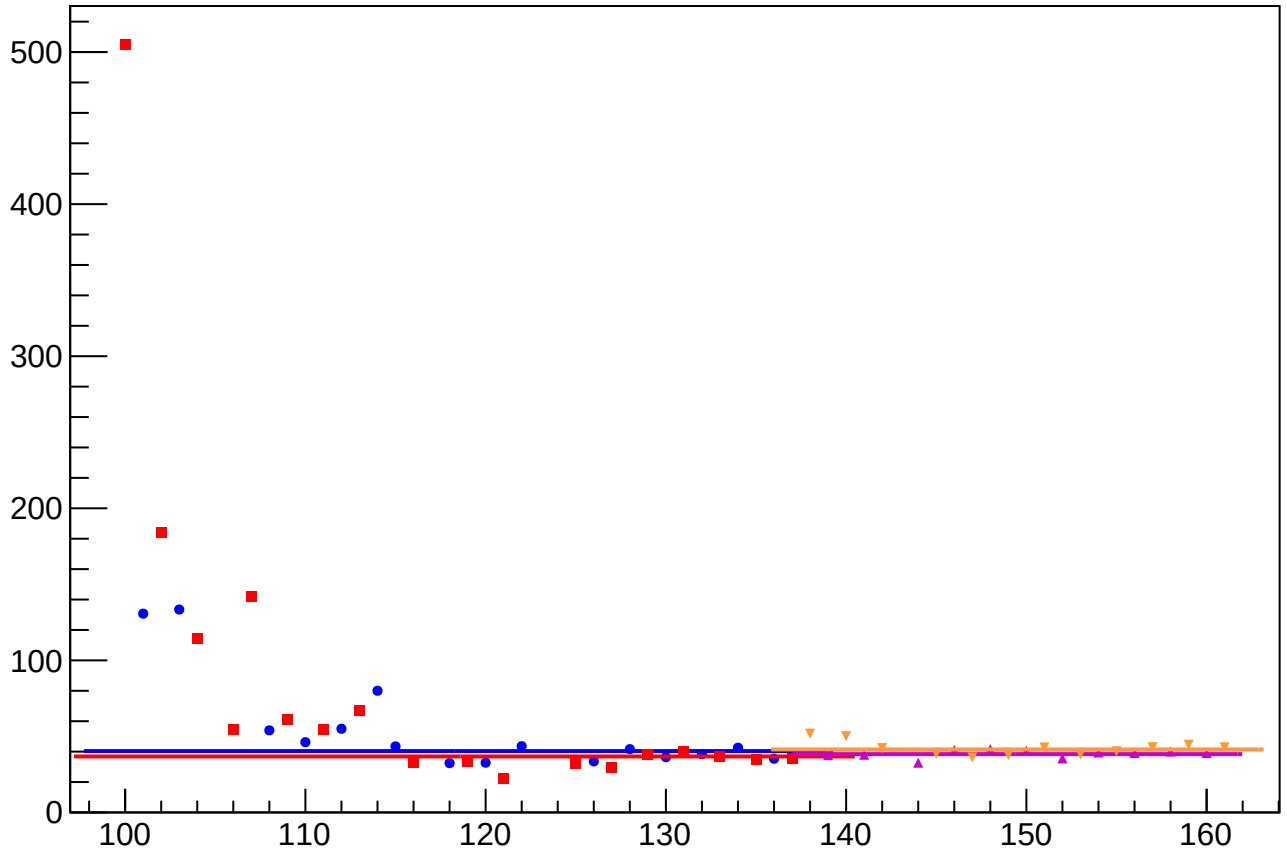
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.013 χ^2/NDF:12.3/10

+ sign 0.005+/-0.011 χ^2/NDF: 24.9/27

All: 0.002+/-0.008 χ^2/NDF: 48.3/56

- sign -0.000+/-0.010 χ^2/NDF: 23.2/28



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.423+/-0.010 χ^2/NDF:174618.2/11

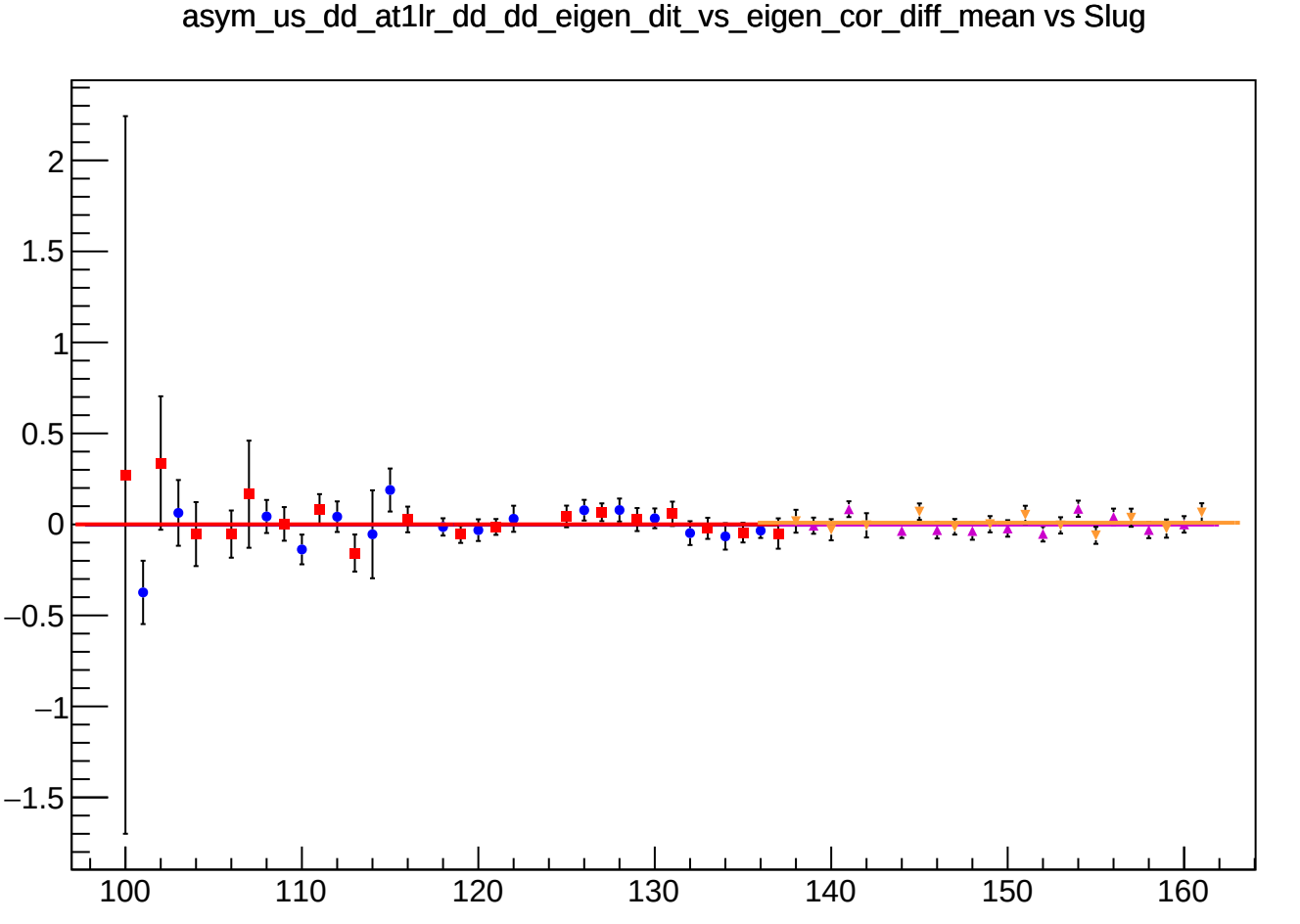
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.364+/-0.009 χ^2/NDF:76928.4/10

+ sign 40.979+/-0.008 χ^2/NDF: 1589253.4/27

All: 39.284+/-0.005 χ^2/NDF: 3603872.4/56

- sign 37.761+/-0.007 χ^2/NDF: 1924443.6/28



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.009+/-0.014 χ^2/NDF:7.6/11

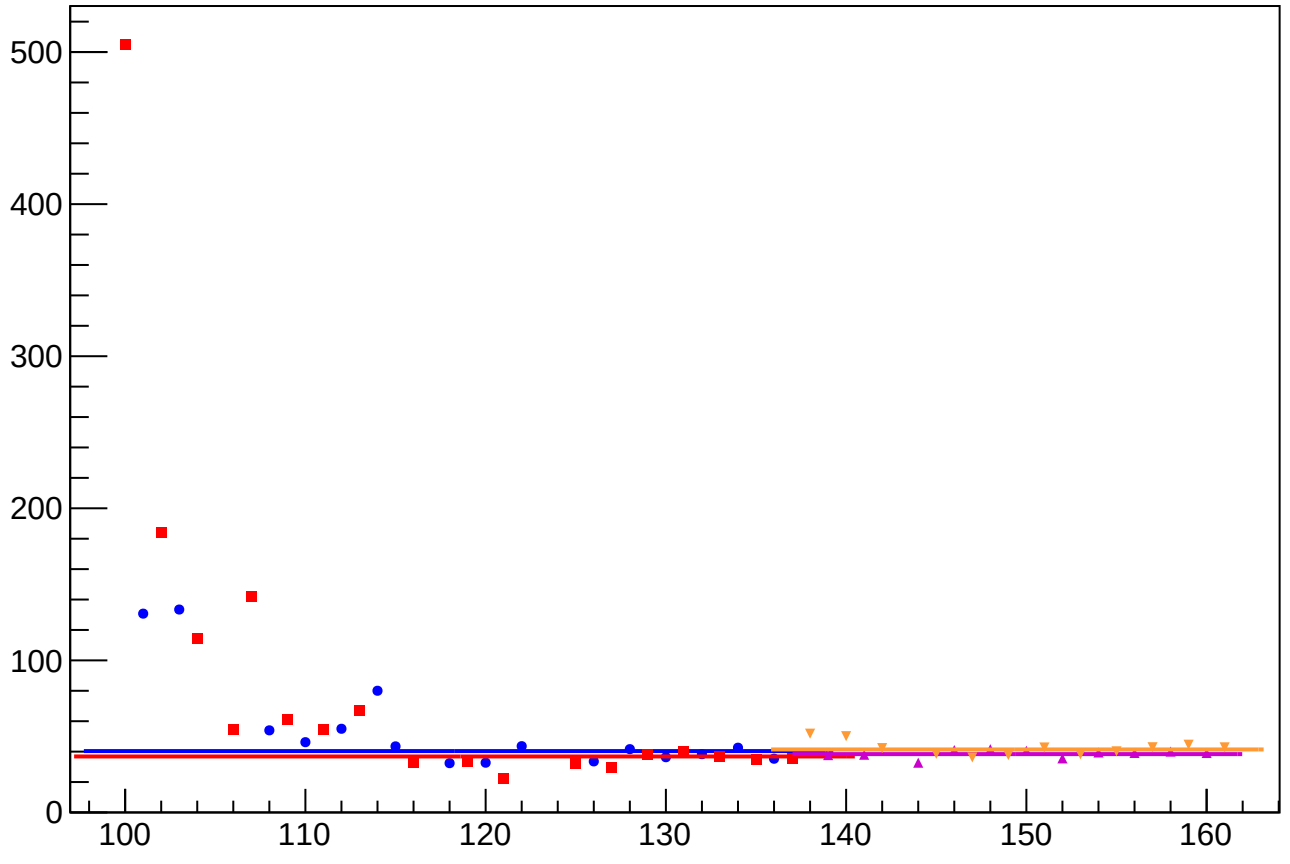
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.013 χ^2/NDF:12.3/10

+ sign 0.005+/-0.011 χ^2/NDF: 24.9/27

All: 0.002+/-0.008 χ^2/NDF: 48.3/56

- sign -0.000+/-0.010 χ^2/NDF: 23.2/28



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.423+/-0.010 χ^2/NDF:174618.2/11

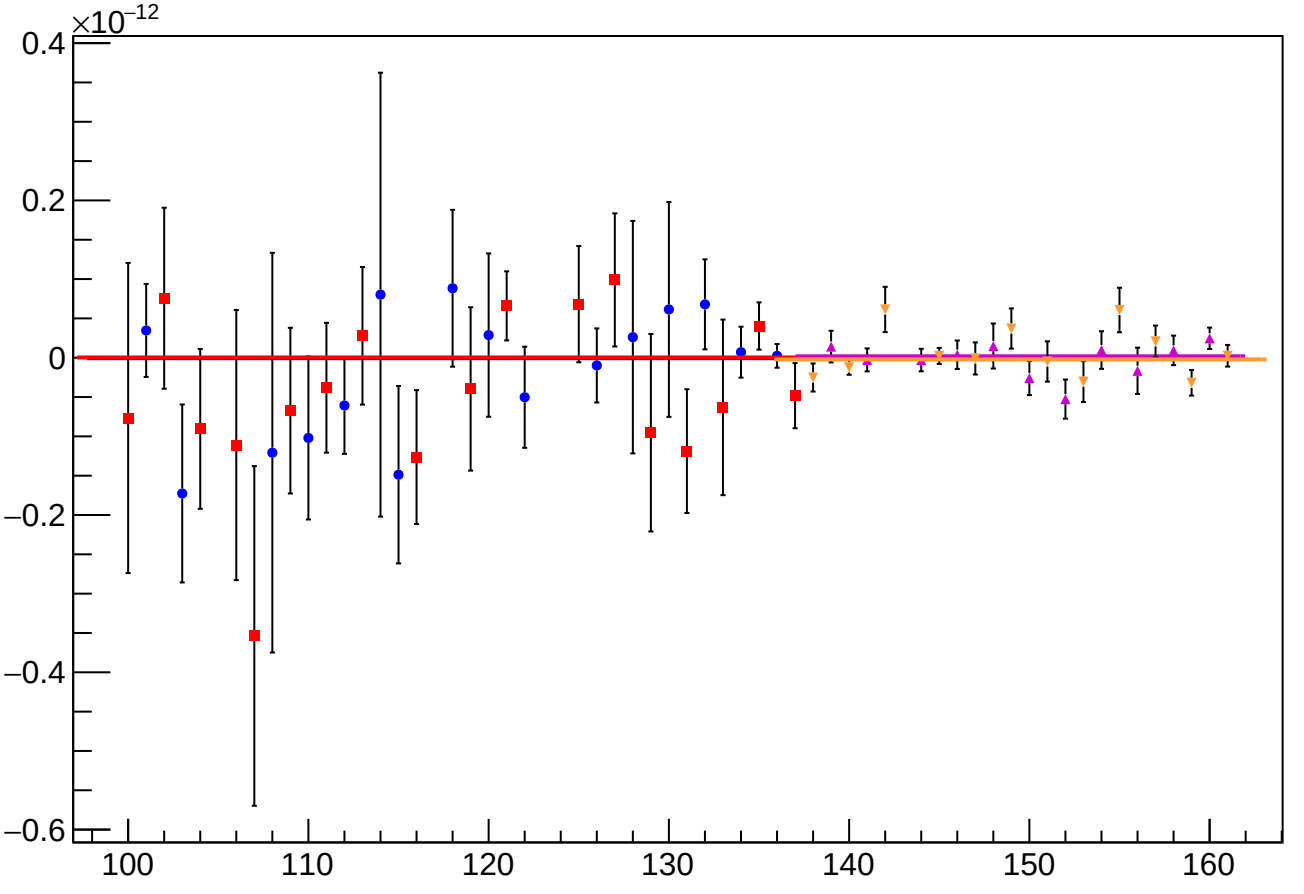
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.364+/-0.009 χ^2/NDF:76928.4/10

\+ sign 40.979+/-0.008 χ^2/NDF: 1589253.4/27

All: 39.284+/-0.005 χ^2/NDF: 3603872.4/56

\- sign 37.761+/-0.007 χ^2/NDF: 1924443.6/28



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/11

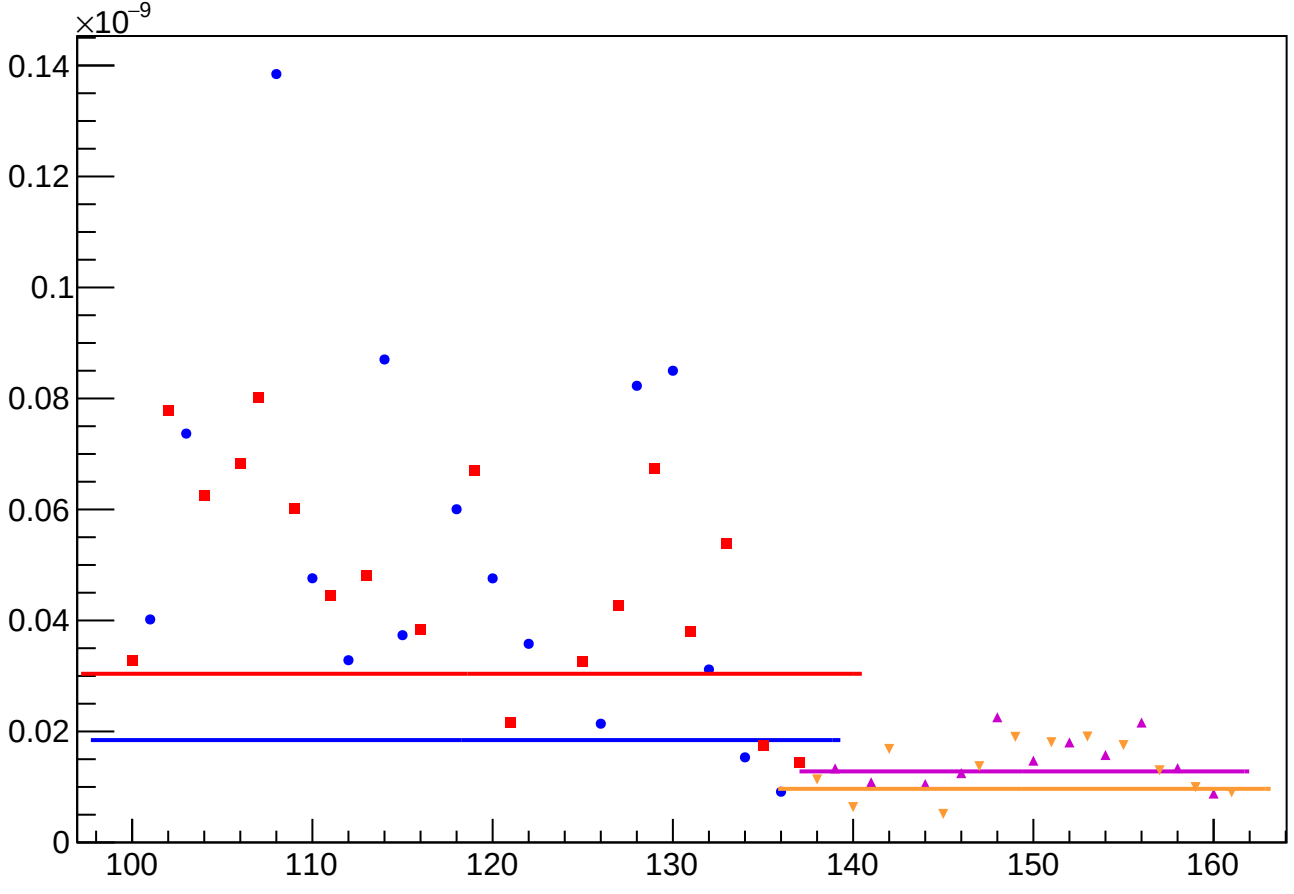
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:10.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 31.0/27

All: -0.000+/-0.000 χ^2/NDF: 60.3/56

- sign 0.000+/-0.000 χ^2/NDF: 29.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1820922.2/11

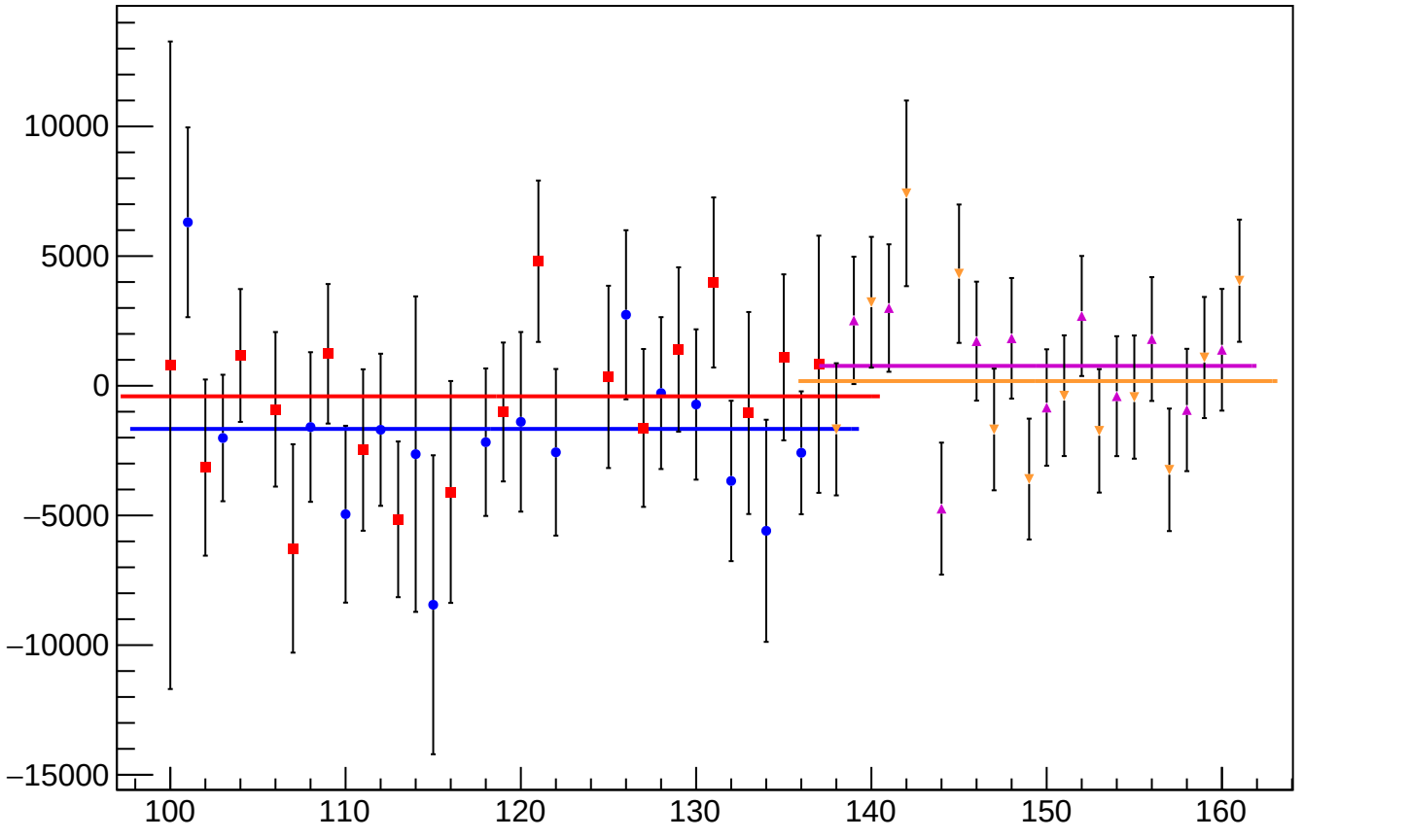
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:809238.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 6833873.6/27

All: 0.000+/-0.000 χ^2/NDF: 12660771.3/56

- sign 0.000+/-0.000 χ^2/NDF: 5238349.0/28



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 181.279+/-711.224 χ^2/NDF:17.5/11

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

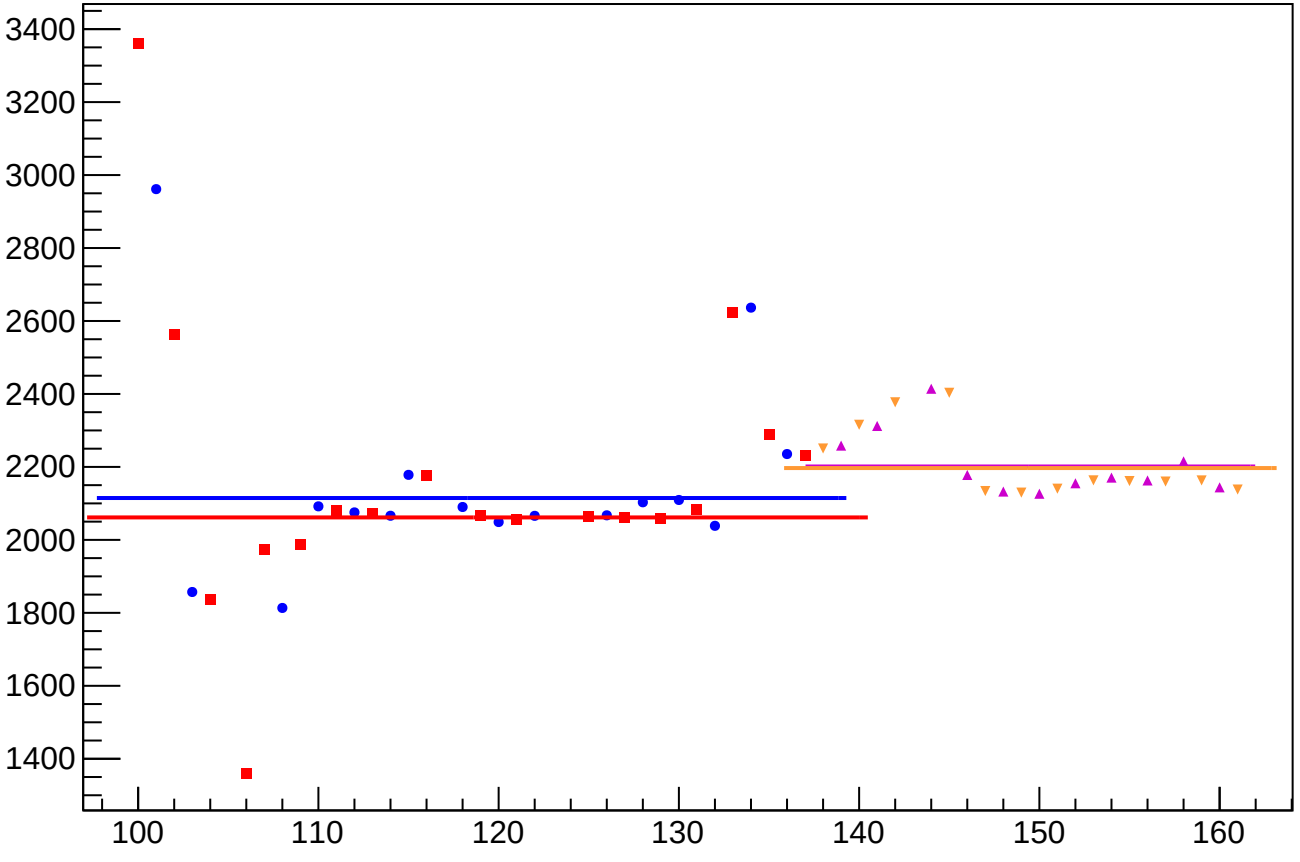
Left In: 765.947+/-712.448 χ^2/NDF:8.6/10

+ sign -642.437+/-529.221 χ^2/NDF: 31.3/27

All: -202.662+/-372.774 χ^2/NDF: 55.2/56

- sign 230.401+/-525.166 χ^2/NDF: 22.6/28

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2196.867+/-0.503 χ^2/NDF:29656.4/11

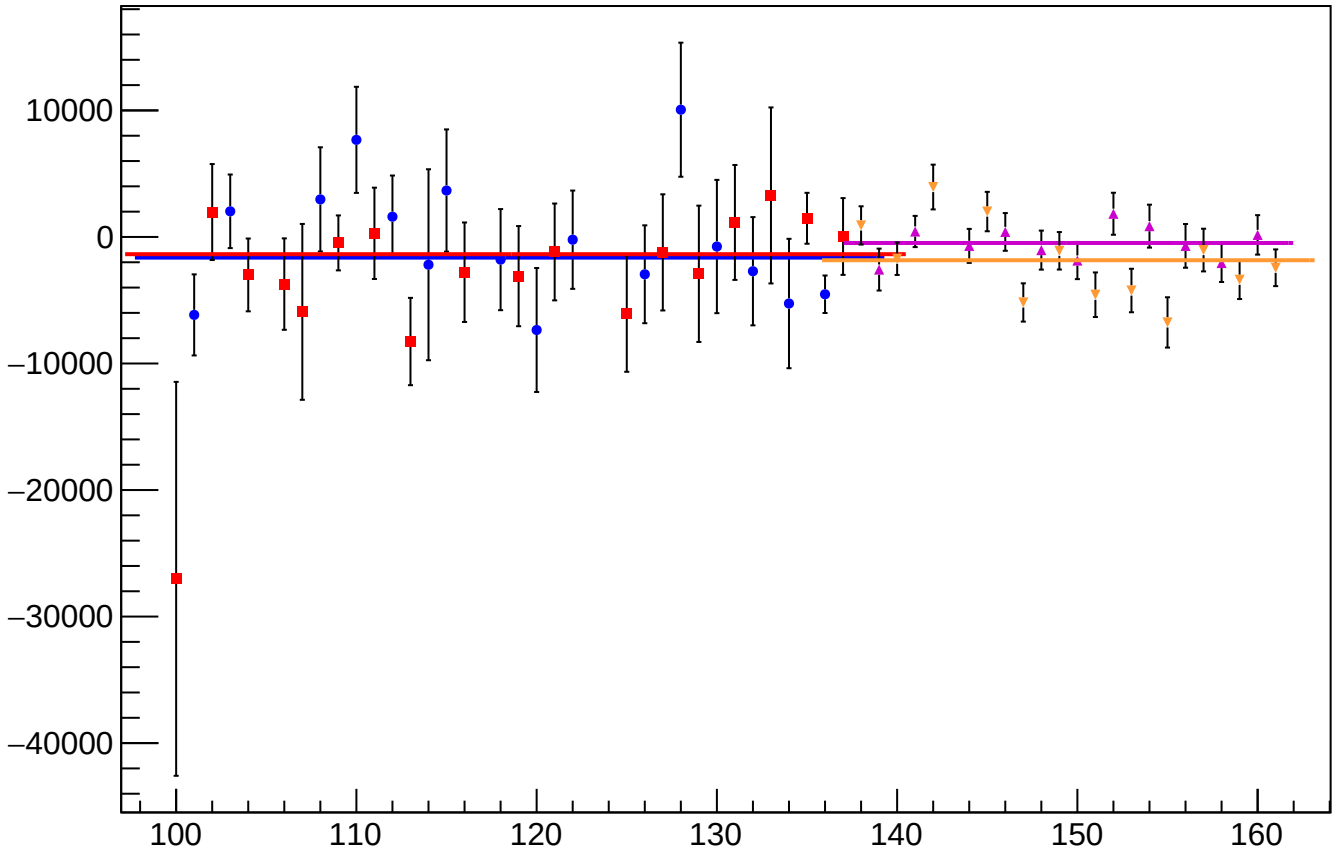
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2201.202+/-0.504 χ^2/NDF:26279.9/10

\+ sign 2160.219+/-0.374 χ^2/NDF: 231475.0/27

All: 2148.740+/-0.264 χ^2/NDF: 543895.0/56

\- sign 2137.435+/-0.371 χ^2/NDF: 310552.3/28



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1839.350+/-454.653 χ^2/NDF:37.1/11

Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

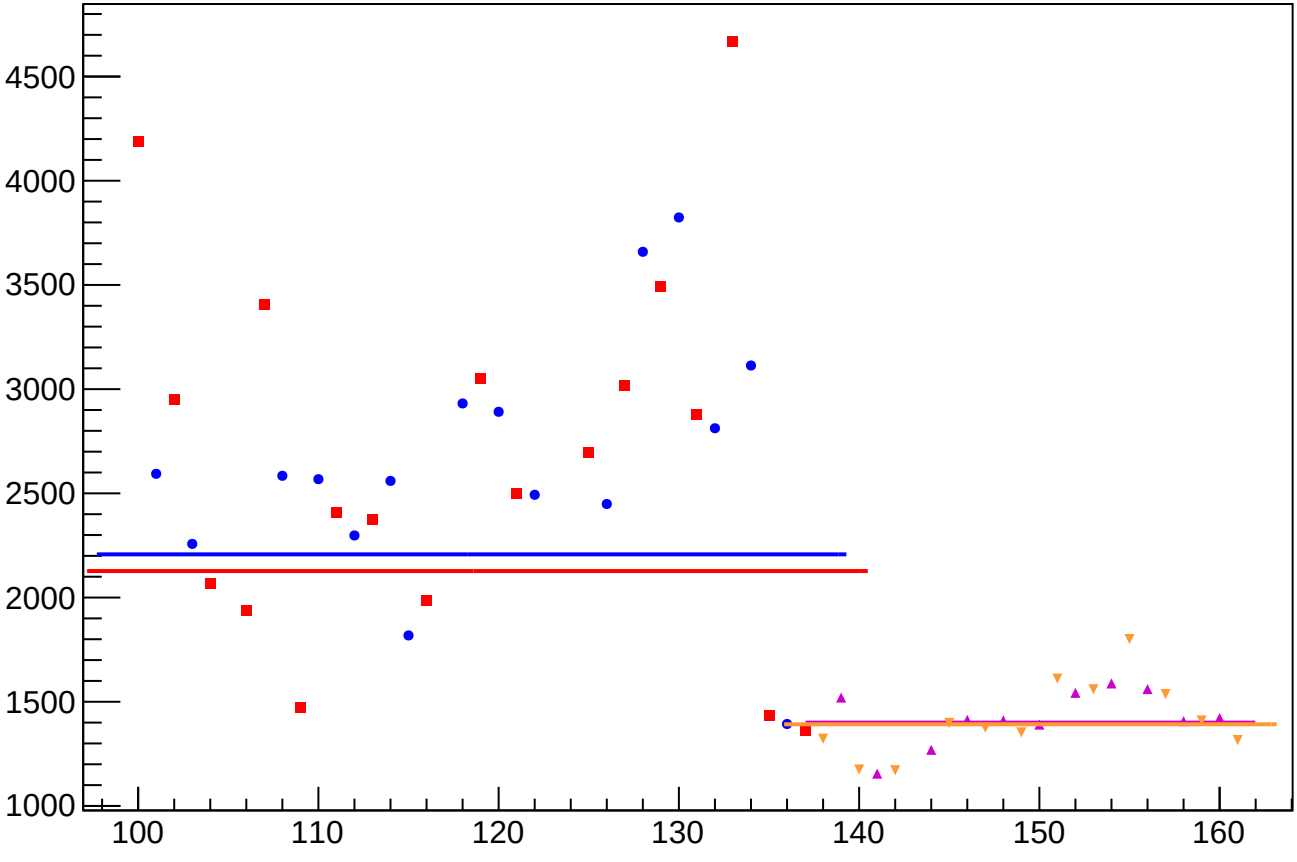
Left In: -475.914+/-455.867 χ^2/NDF:7.4/10

+ sign -1793.924+/-402.187 χ^2/NDF: 60.0/27

All: -1233.572+/-283.866 χ^2/NDF: 85.6/56

- sign -677.320+/-400.712 χ^2/NDF: 21.7/28

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1391.905+/-0.321 χ^2/NDF:249241.8/11

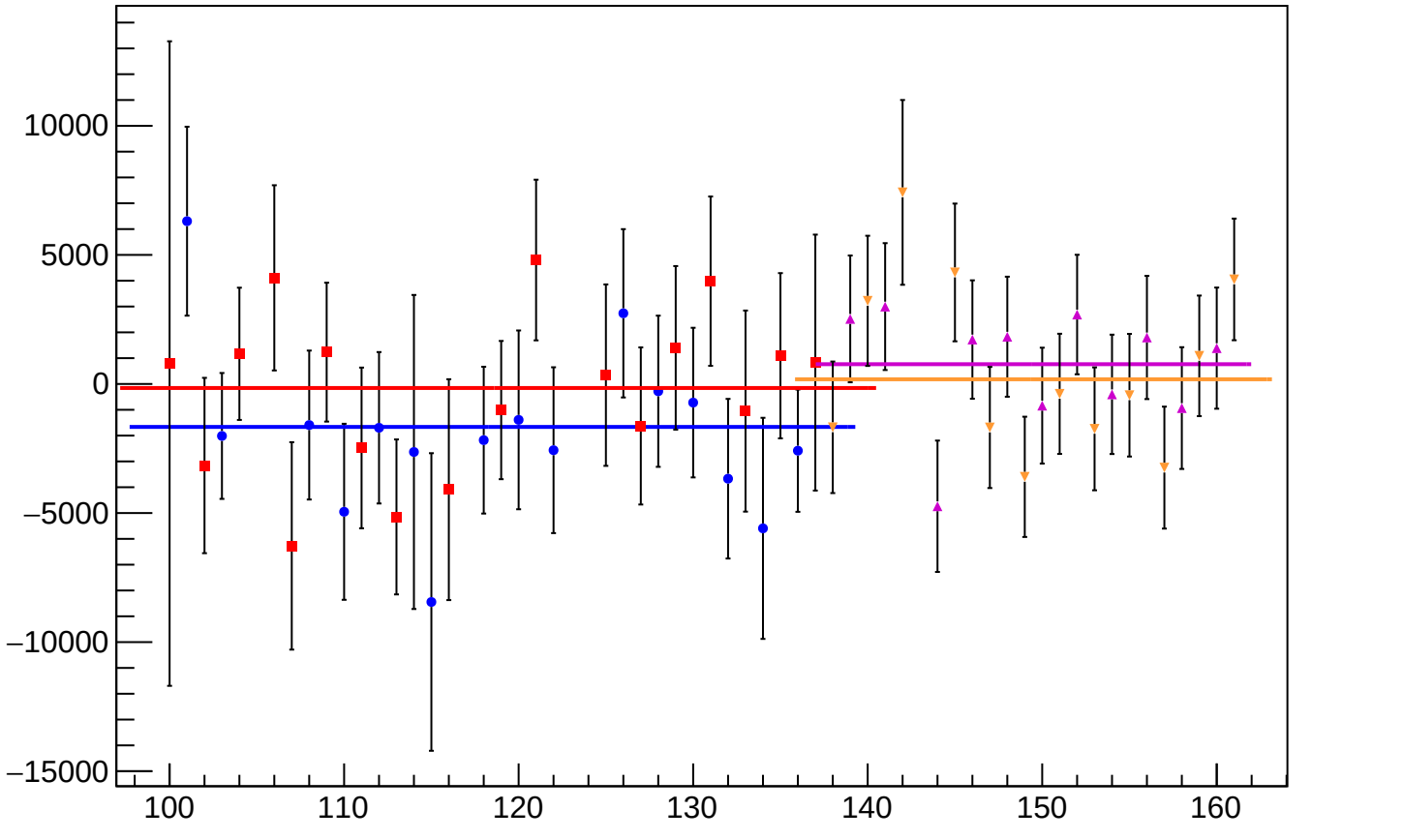
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1400.001+/-0.322 χ^2/NDF:165700.2/10

+ sign 1569.228+/-0.284 χ^2/NDF: 2897378.7/27

All: 1567.270+/-0.201 χ^2/NDF: 5678302.4/56

- sign 1565.327+/-0.283 χ^2/NDF: 2780829.4/28



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 181.530+/-711.224 χ^2/NDF:17.5/11

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

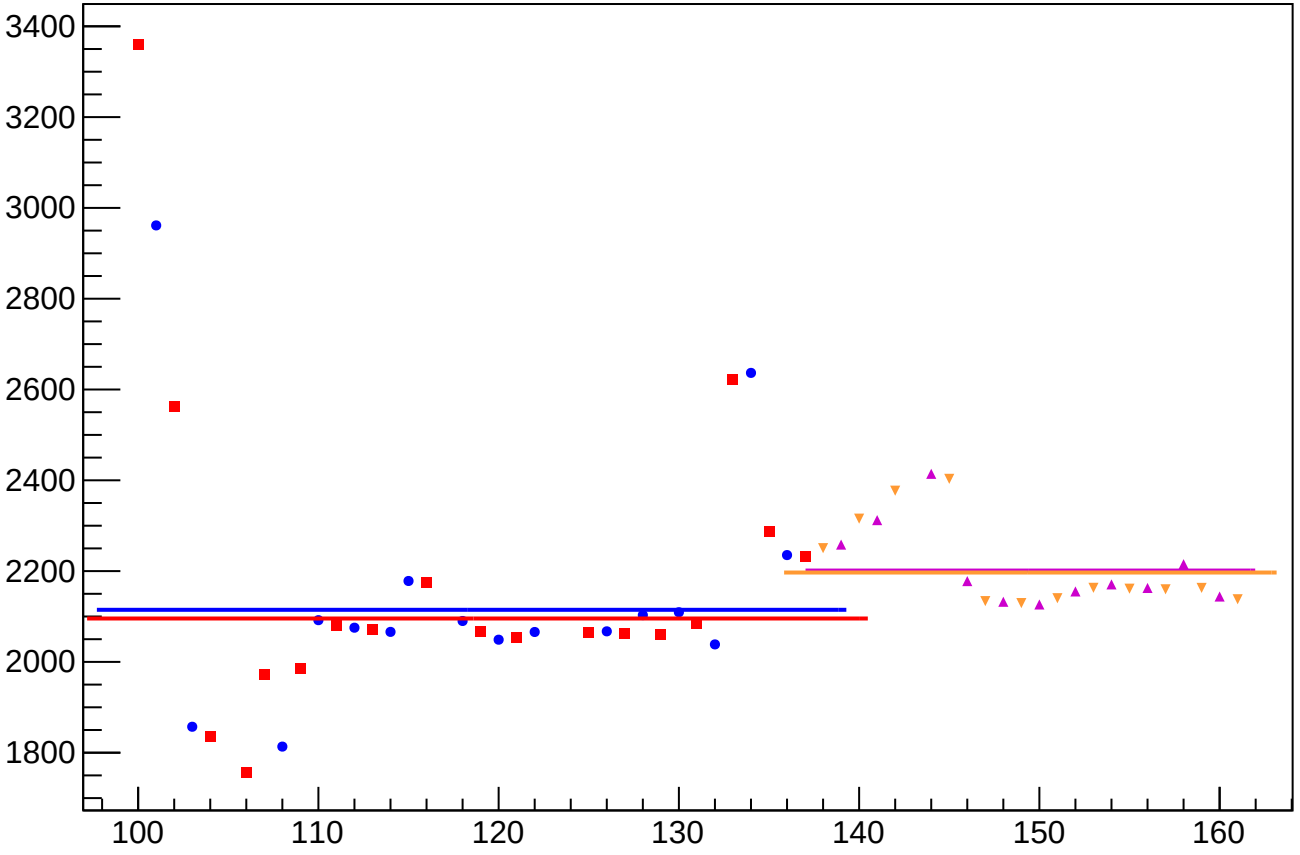
Left In: 765.883+/-712.448 χ^2/NDF:8.6/10

\+ sign -642.265+/-529.221 χ^2/NDF: 31.3/27

All: -144.775+/-373.681 χ^2/NDF: 56.6/56

\- sign 349.884+/-527.712 χ^2/NDF: 23.6/28

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2196.867+/-0.503 χ^2/NDF:29656.4/11

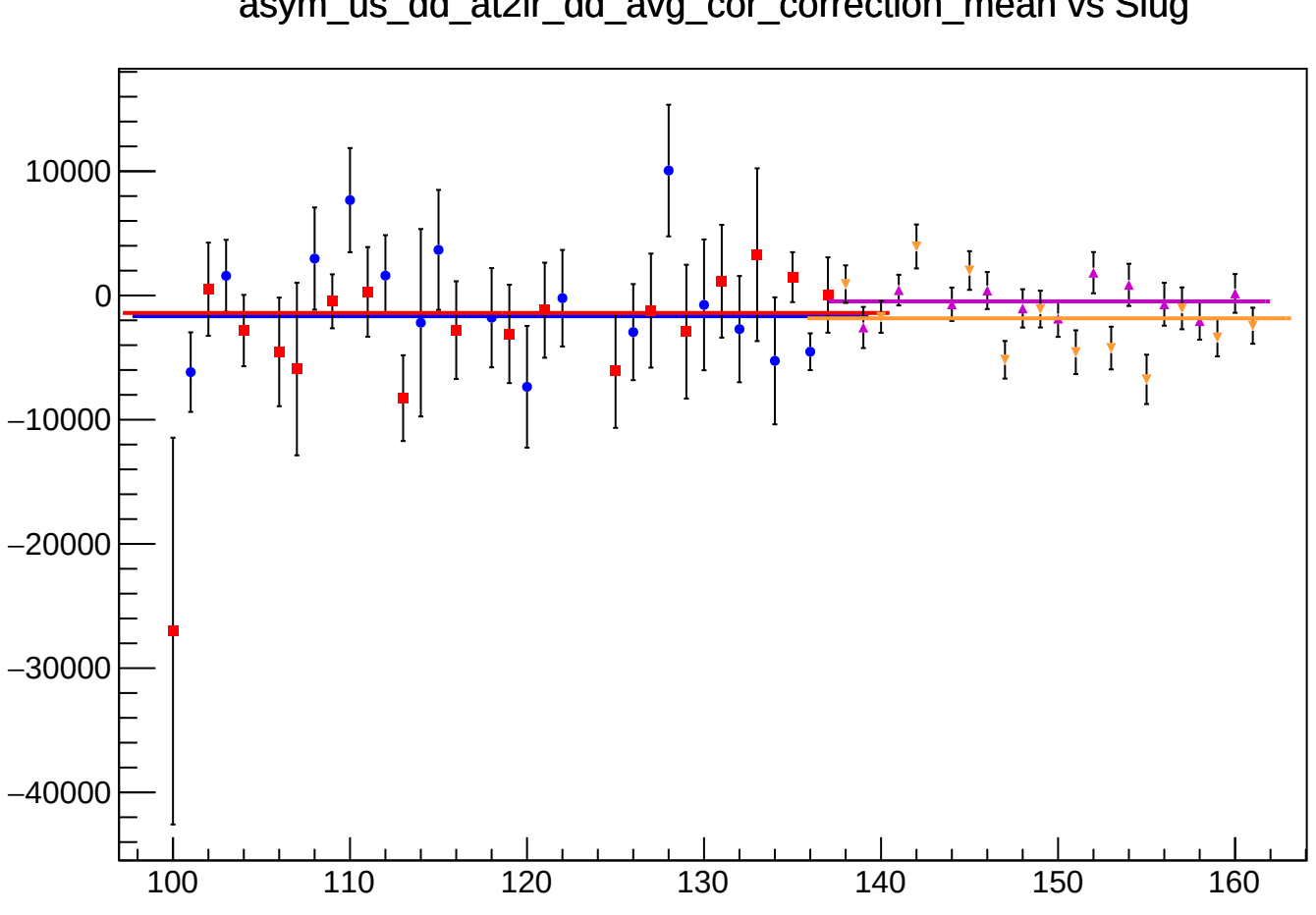
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2201.202+/-0.504 χ^2/NDF:26279.9/10

+ sign 2160.219+/-0.374 χ^2/NDF: 231475.4/27

All: 2156.868+/-0.264 χ^2/NDF: 427110.0/56

- sign 2153.536+/-0.373 χ^2/NDF: 195474.7/28



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1839.278+/-454.656 χ^2/NDF:37.1/11

Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

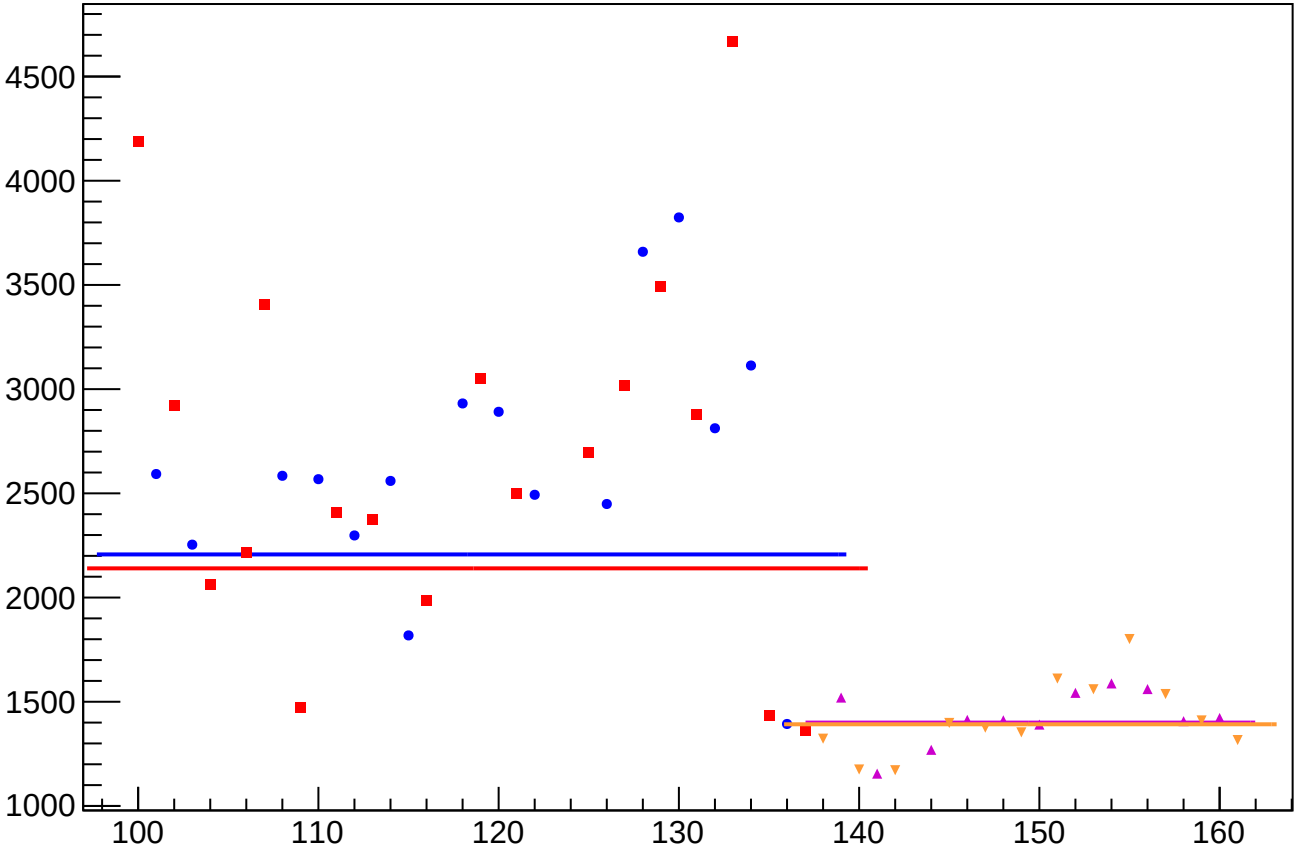
Left In: -475.811+/-455.867 χ^2/NDF:7.4/10

+ sign -1802.113+/-402.159 χ^2/NDF: 59.6/27

All: -1242.618+/-284.110 χ^2/NDF: 84.8/56

- sign -685.159+/-401.427 χ^2/NDF: 21.3/28

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1391.916+/-0.321 χ^2/NDF:249187.6/11

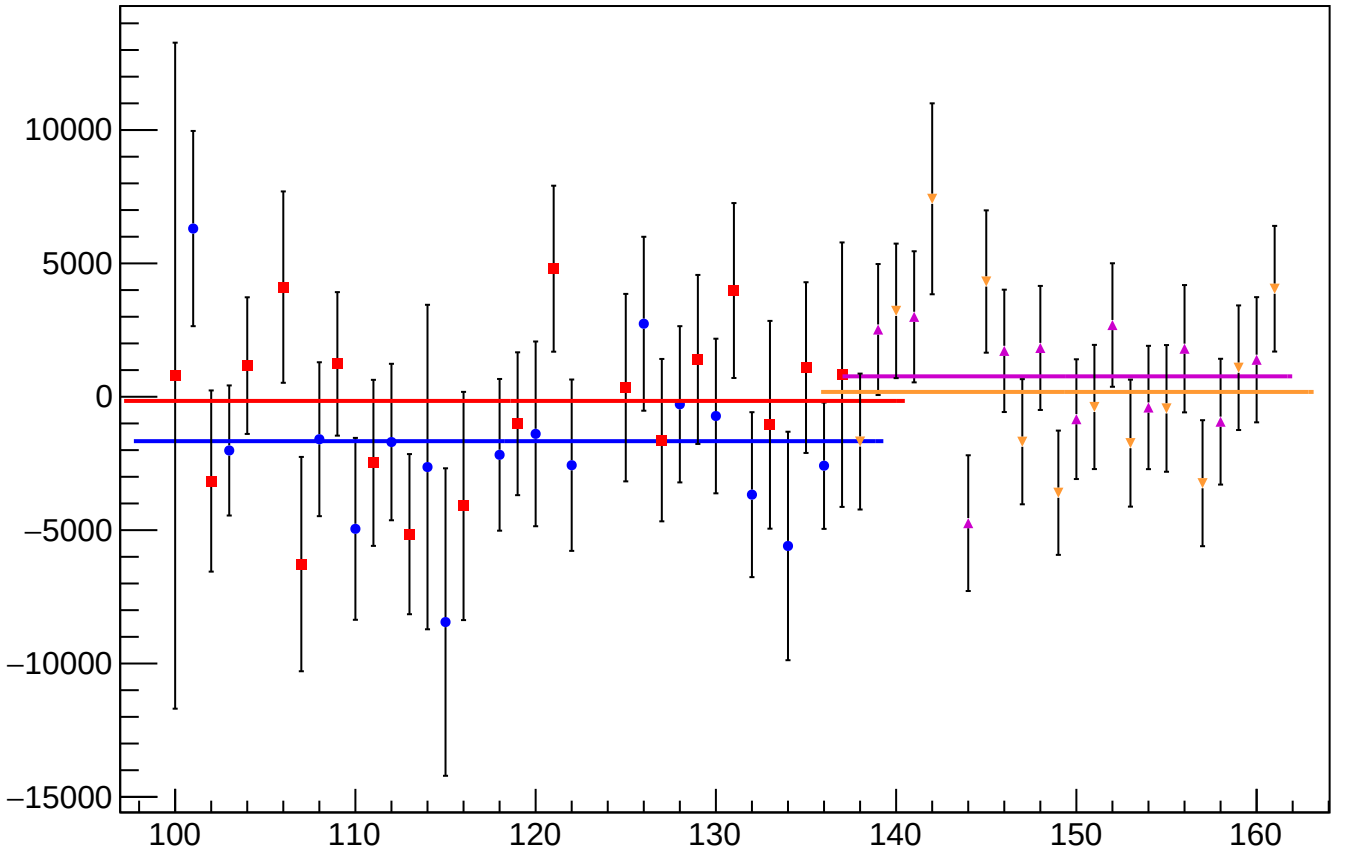
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1399.999+/-0.322 χ^2/NDF:165738.8/10

+ sign 1569.258+/-0.284 χ^2/NDF: 2896627.7/27

All: 1567.728+/-0.201 χ^2/NDF: 5694549.3/56

- sign 1566.204+/-0.284 χ^2/NDF: 2797863.8/28



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 181.530+/-711.224 χ^2/NDF:17.5/11

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

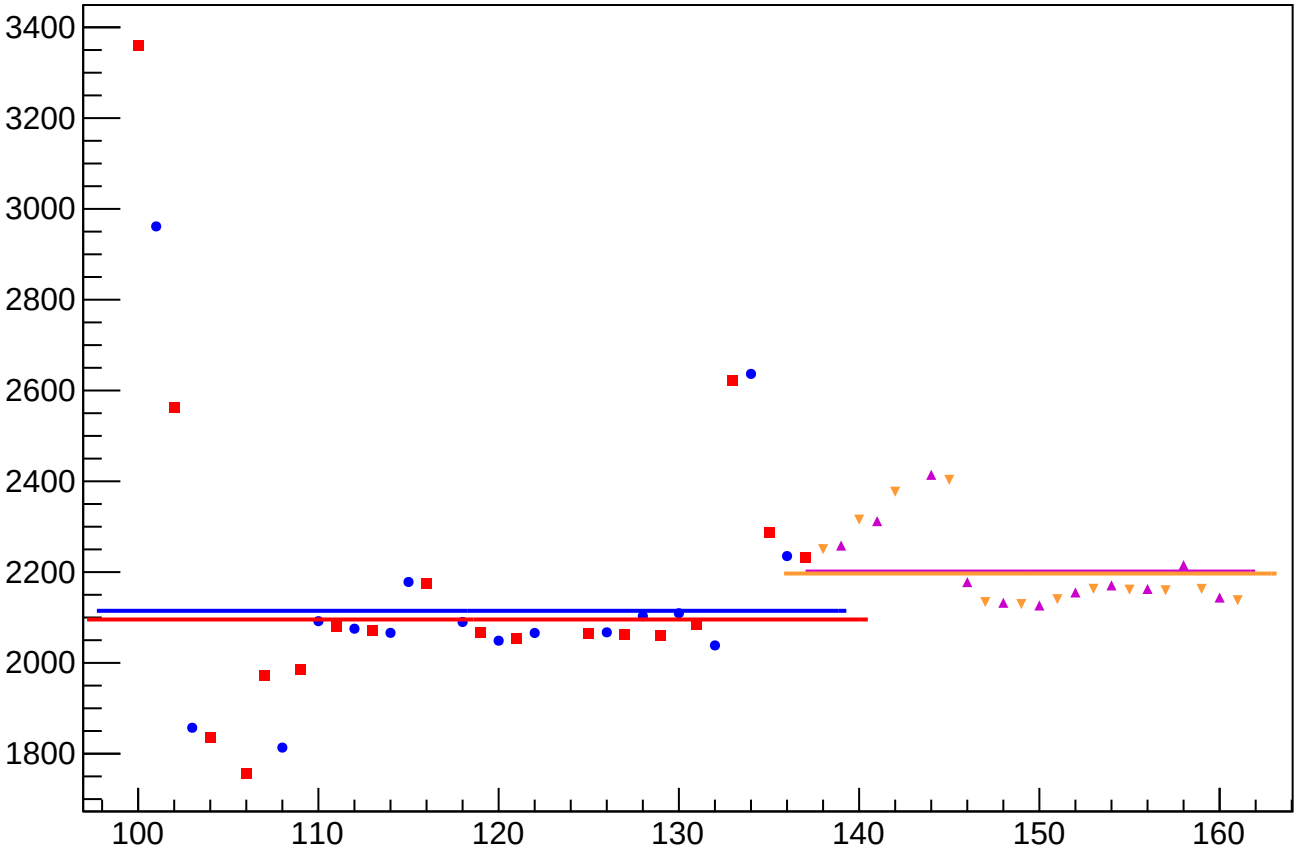
Left In: 765.883+/-712.448 χ^2/NDF:8.6/10

+ sign -642.265+/-529.221 χ^2/NDF: 31.3/27

All: -144.775+/-373.681 χ^2/NDF: 56.6/56

- sign 349.884+/-527.712 χ^2/NDF: 23.6/28

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: 2196.867+/-0.503 χ^2/NDF:29656.4/11

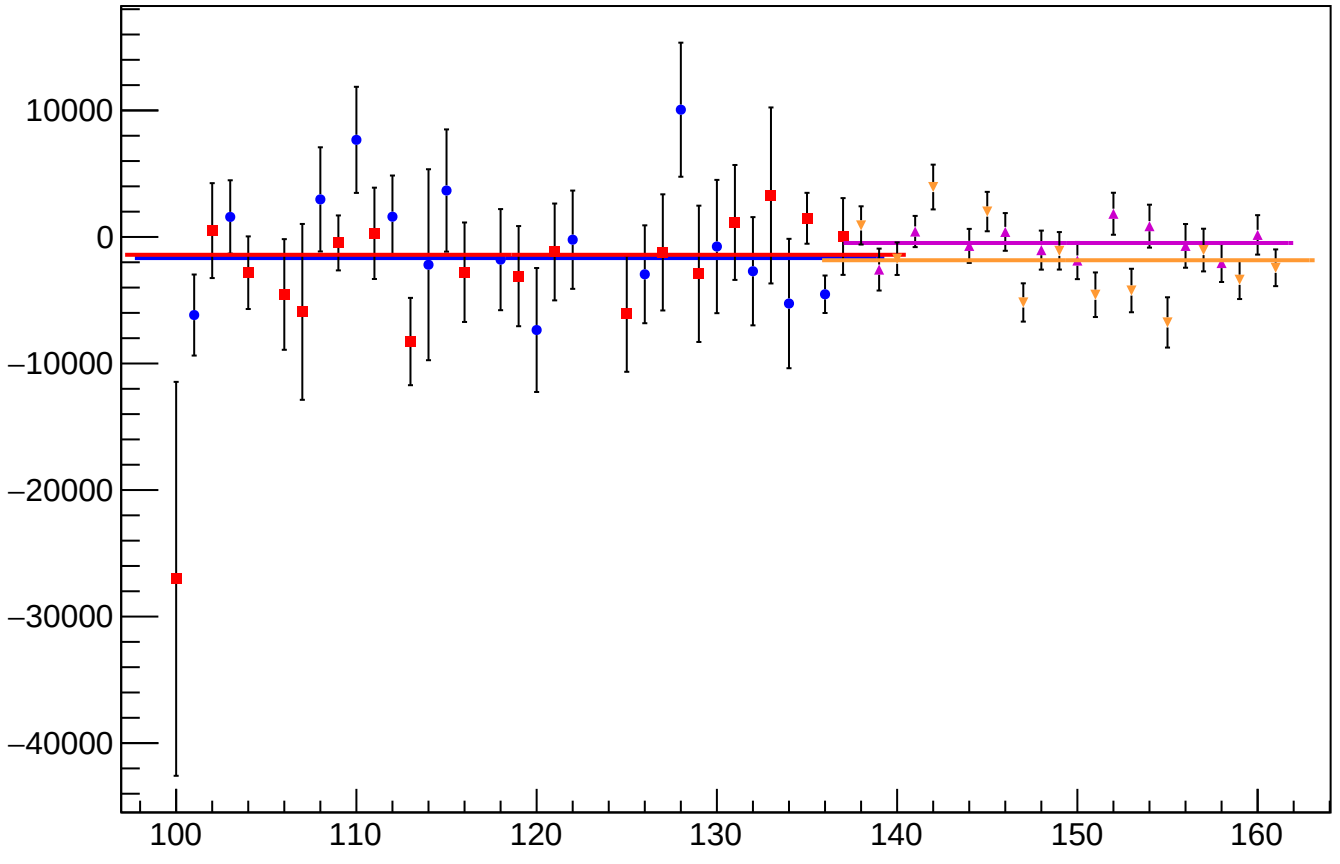
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2201.202+/-0.504 χ^2/NDF:26279.9/10

+ sign 2160.219+/-0.374 χ^2/NDF: 231475.4/27

All: 2156.868+/-0.264 χ^2/NDF: 427110.0/56

- sign 2153.536+/-0.373 χ^2/NDF: 195474.7/28



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1839.278+/-454.656 χ^2/NDF:37.1/11

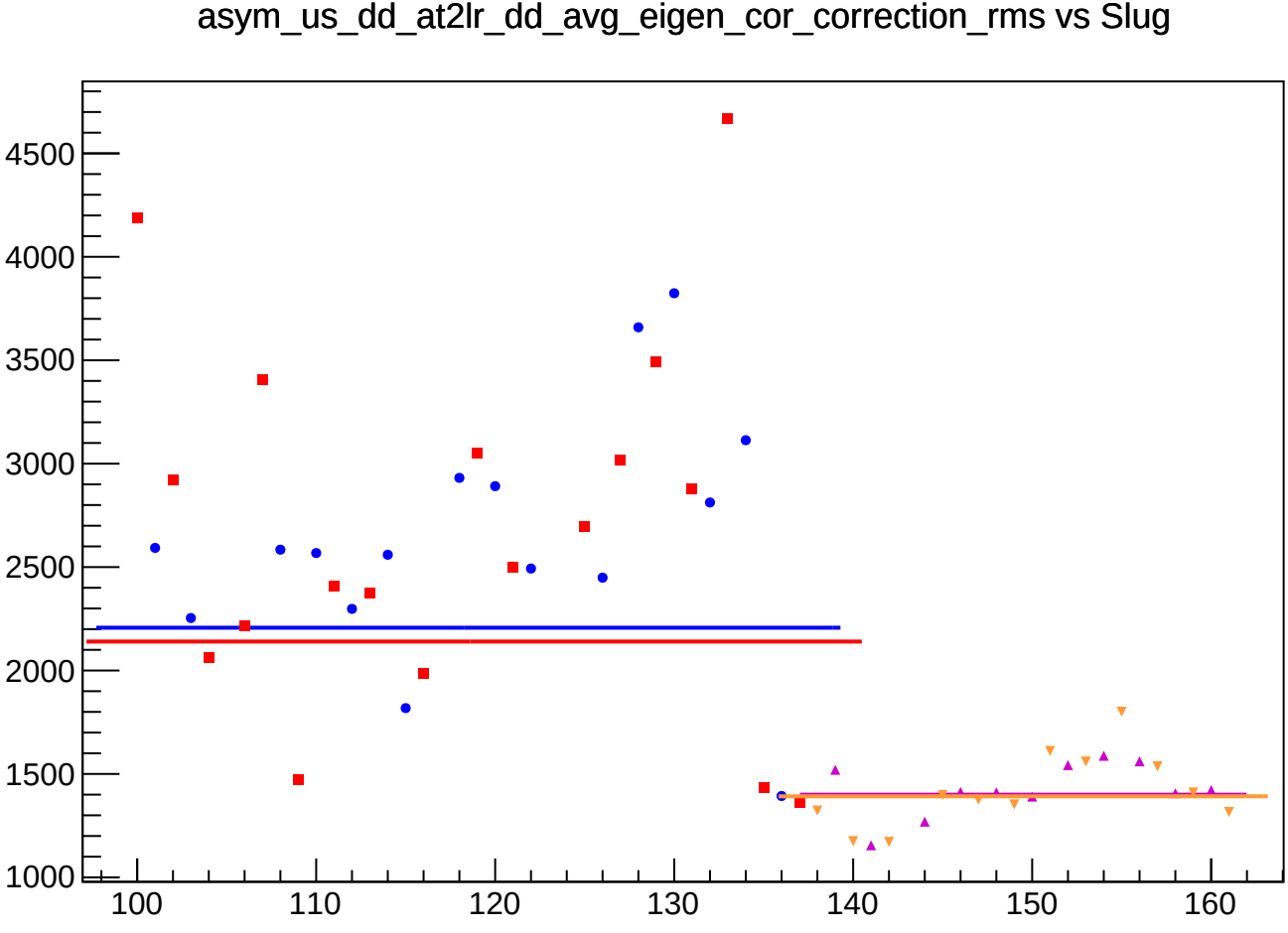
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -475.811+/-455.867 χ^2/NDF:7.4/10

+ sign -1802.113+/-402.159 χ^2/NDF: 59.6/27

All: -1242.618+/-284.110 χ^2/NDF: 84.8/56

- sign -685.159+/-401.427 χ^2/NDF: 21.3/28



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1391.916+/-0.321 χ^2/NDF:249187.6/11

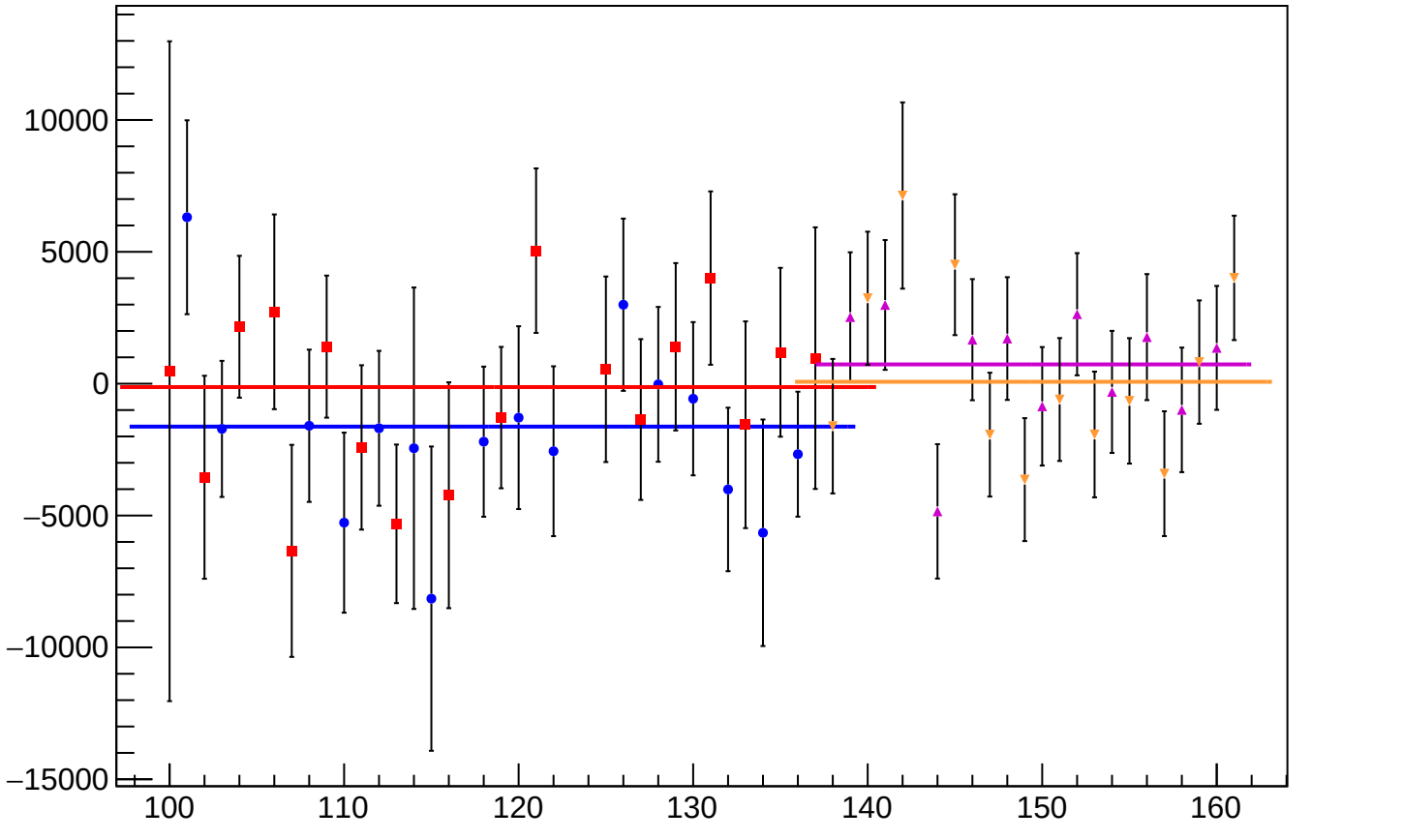
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1399.999+/-0.322 χ^2/NDF:165738.8/10

+ sign 1569.258+/-0.284 χ^2/NDF: 2896627.7/27

All: 1567.728+/-0.201 χ^2/NDF: 5694549.3/56

- sign 1566.204+/-0.284 χ^2/NDF: 2797863.8/28



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 72.226+/-711.678 χ^2/NDF:18.0/11

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

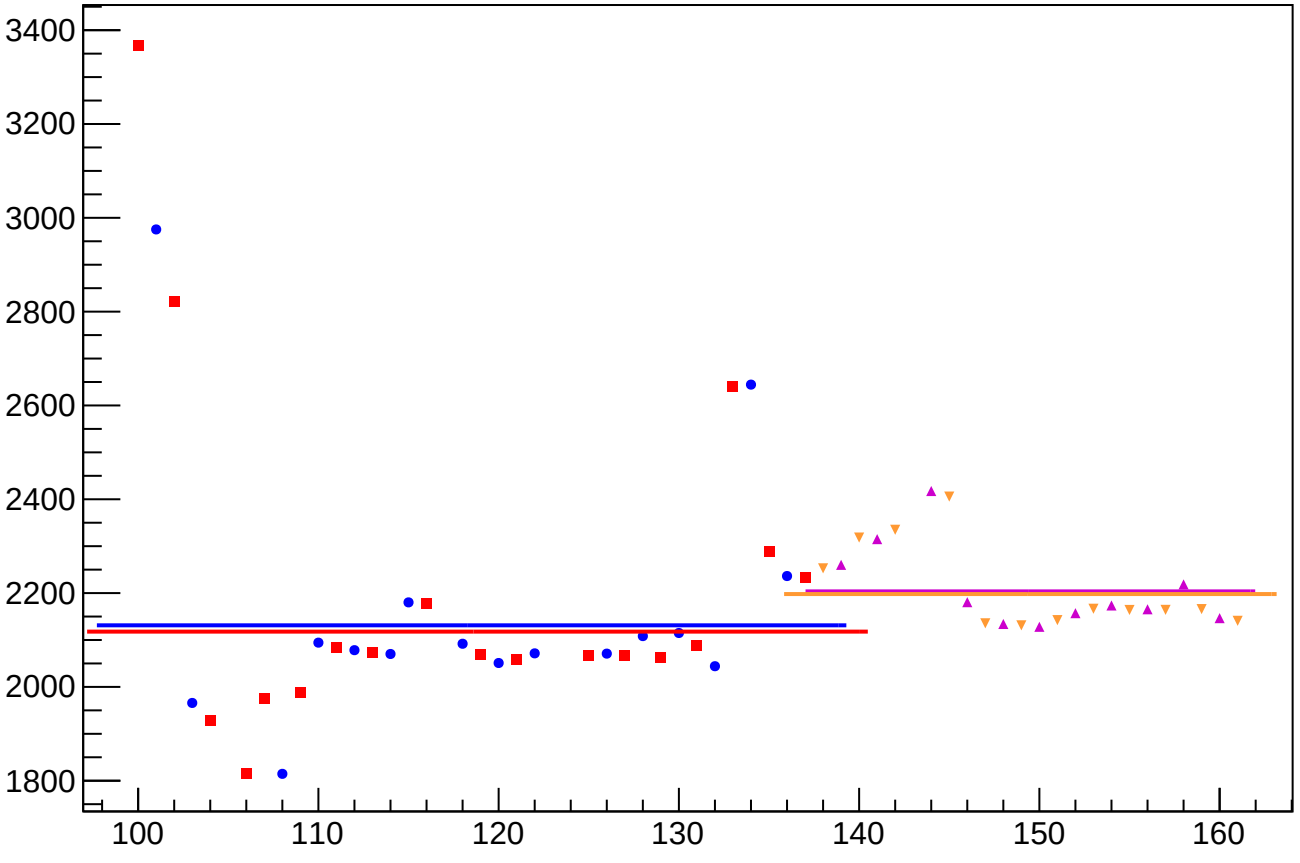
Left In: 731.532+/-713.240 χ^2/NDF:8.7/10

\+ sign -680.860+/-531.129 χ^2/NDF: 31.8/27

All: -166.135+/-375.578 χ^2/NDF: 57.6/56

\- sign 348.659+/-531.164 χ^2/NDF: 23.9/28

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2197.937+/-0.503 χ^2/NDF:27482.1/11

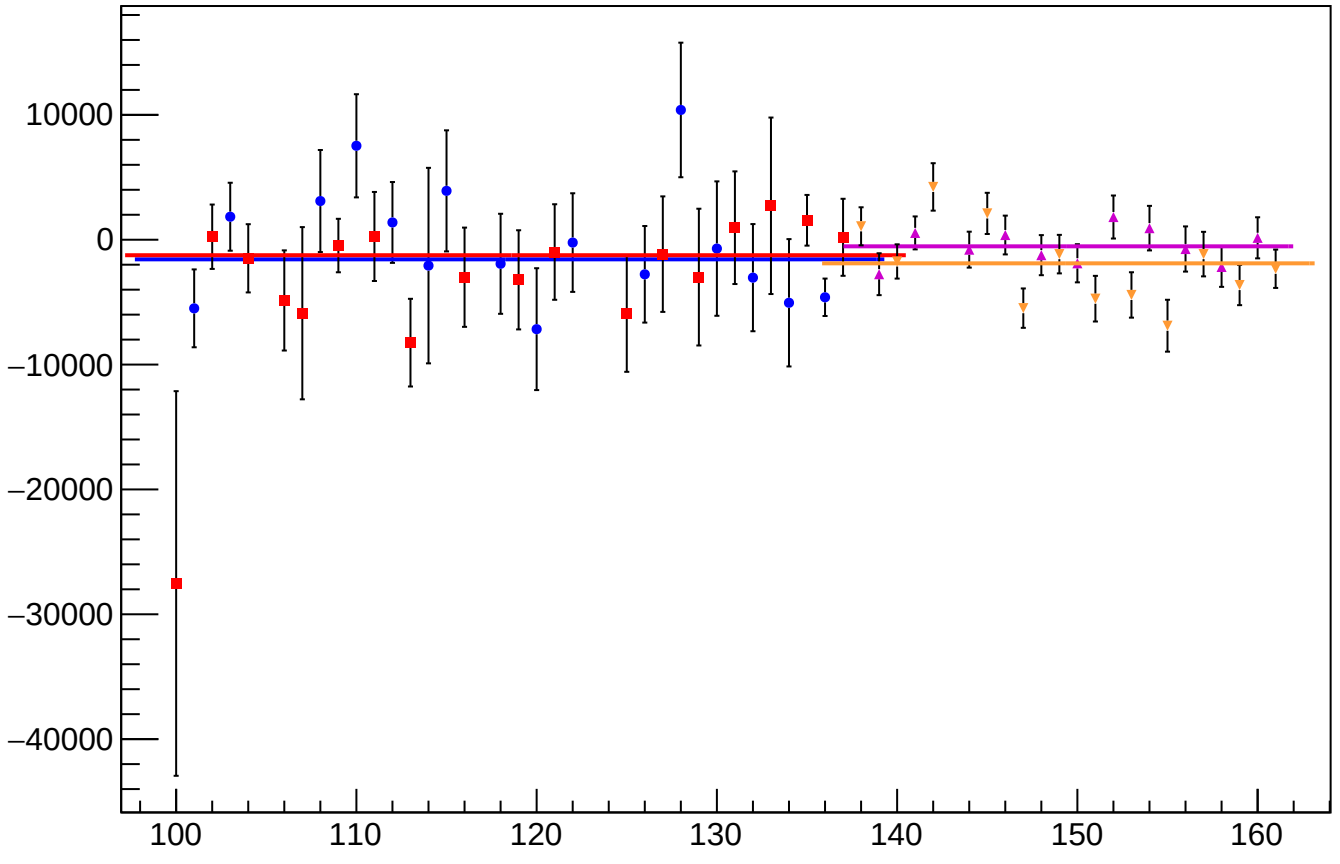
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2203.634+/-0.504 χ^2/NDF:26412.9/10

+ sign 2168.414+/-0.376 χ^2/NDF: 211194.1/27

All: 2166.924+/-0.266 χ^2/NDF: 414142.0/56

- sign 2165.434+/-0.376 χ^2/NDF: 202916.4/28



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1891.294+/-477.544 χ^2/NDF:37.0/11

Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

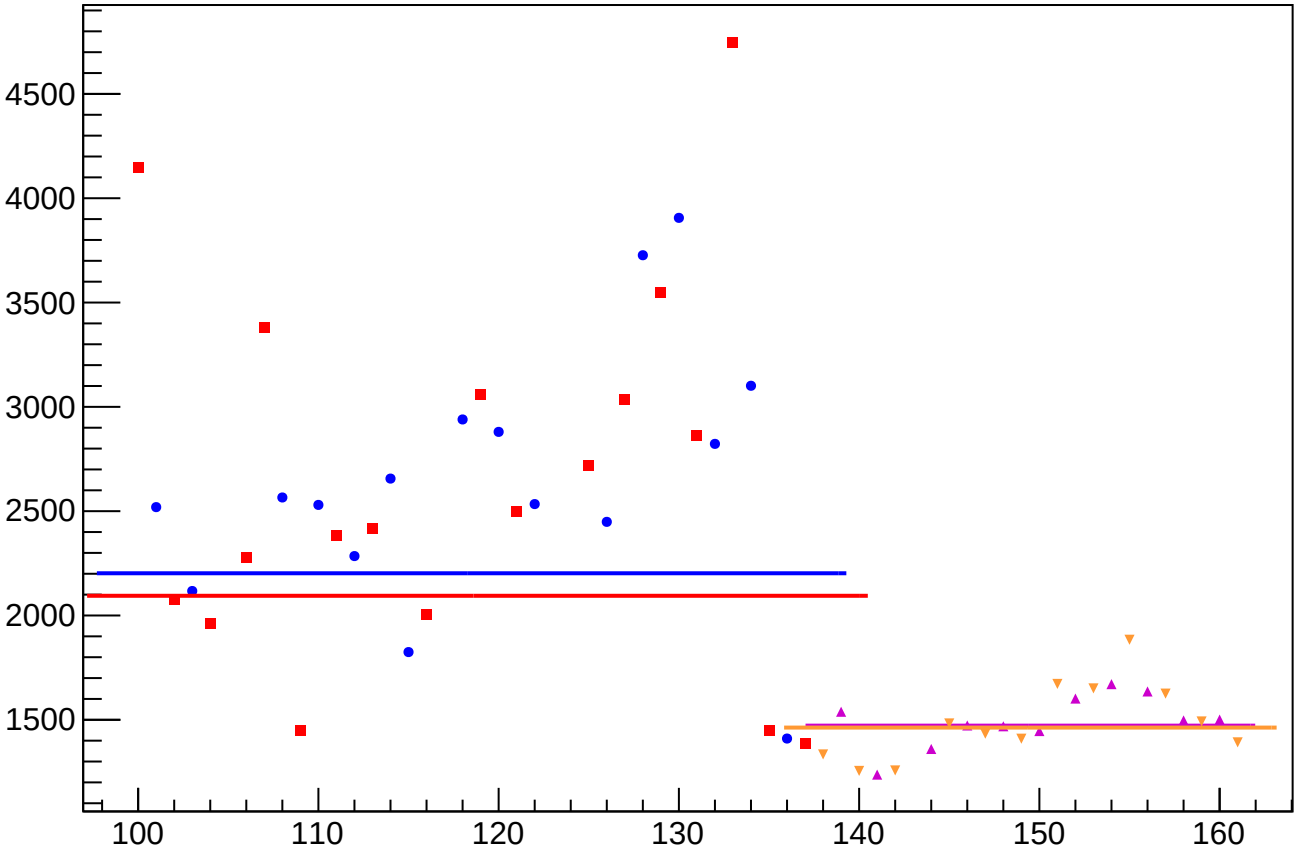
Left In: -528.839+/-478.820 χ^2/NDF:7.6/10

+ sign -1815.793+/-417.469 χ^2/NDF: 59.7/27

All: -1257.559+/-293.767 χ^2/NDF: 84.4/56

- sign -709.997+/-413.459 χ^2/NDF: 21.2/28

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1462.698+/-0.338 χ^2/NDF:238011.0/11

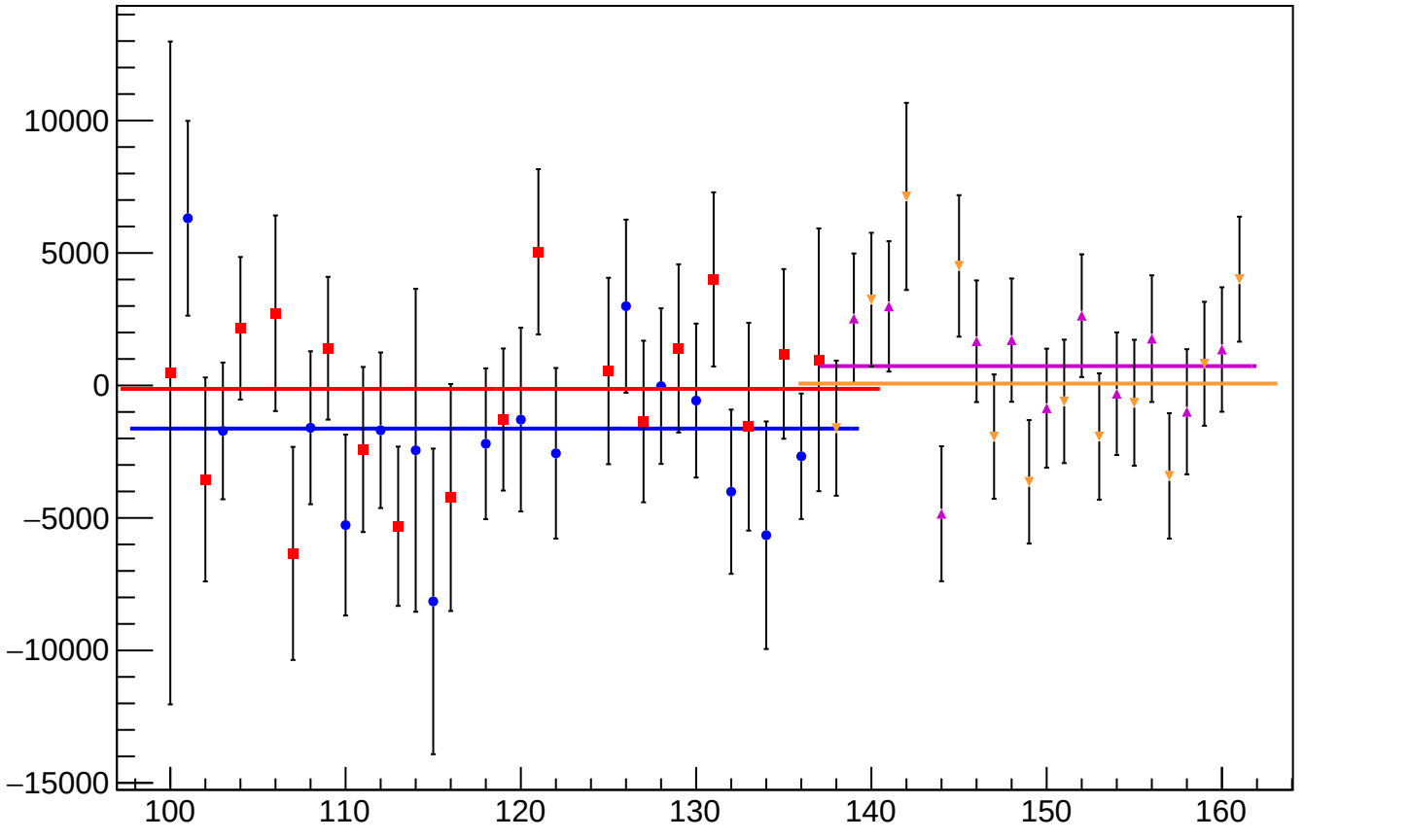
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1472.003+/-0.339 χ^2/NDF:132756.0/10

\+ sign 1637.097+/-0.295 χ^2/NDF: 2592308.6/27

All: 1633.684+/-0.208 χ^2/NDF: 4958729.3/56

\- sign 1630.337+/-0.292 χ^2/NDF: 2366156.0/28



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 72.231+/-711.678 χ^2/NDF:18.0/11

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

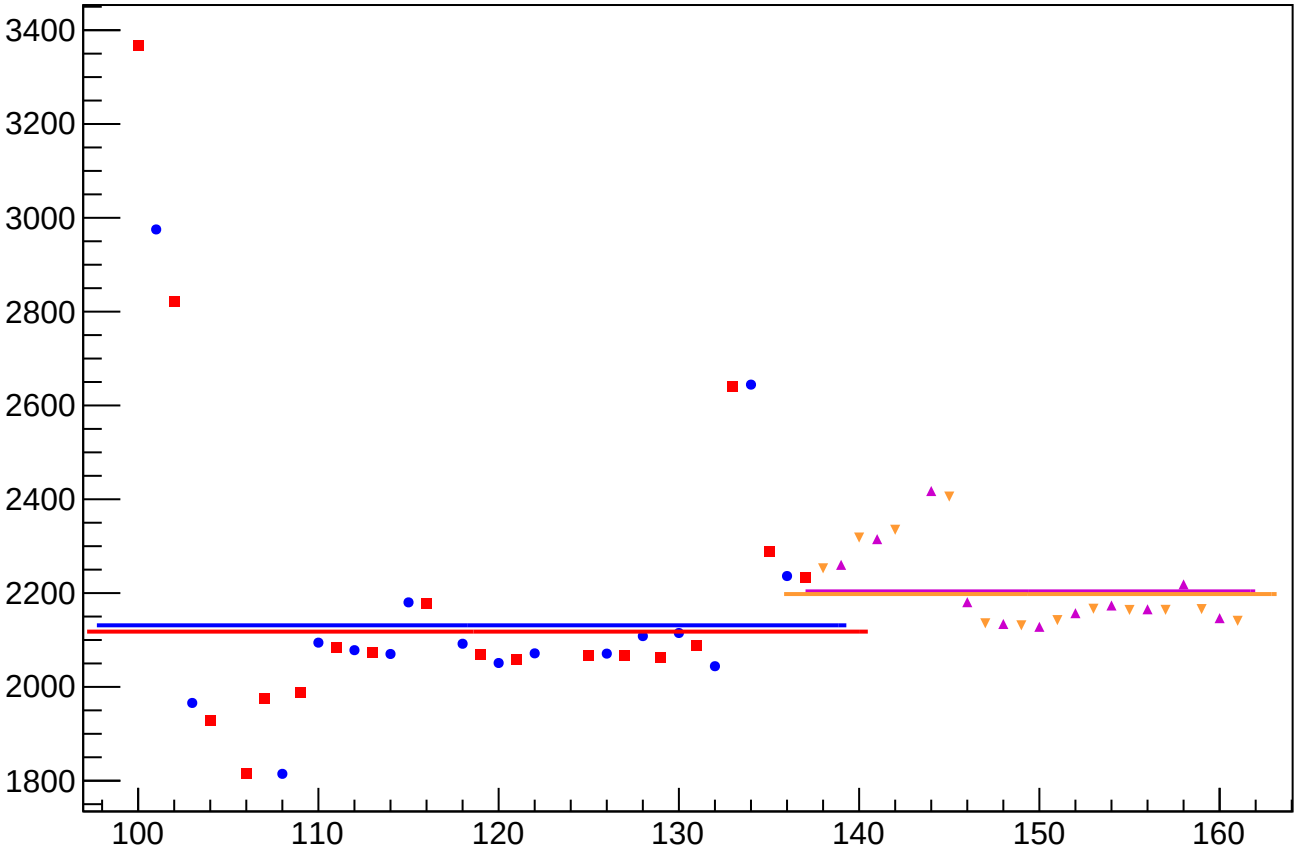
Left In: 731.530+/-713.240 χ^2/NDF:8.7/10

+ sign -680.858+/-531.129 χ^2/NDF: 31.8/27

All: -166.133+/-375.578 χ^2/NDF: 57.6/56

- sign 348.661+/-531.164 χ^2/NDF: 23.9/28

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: 2197.937+/-0.503 χ^2/NDF:27482.2/11

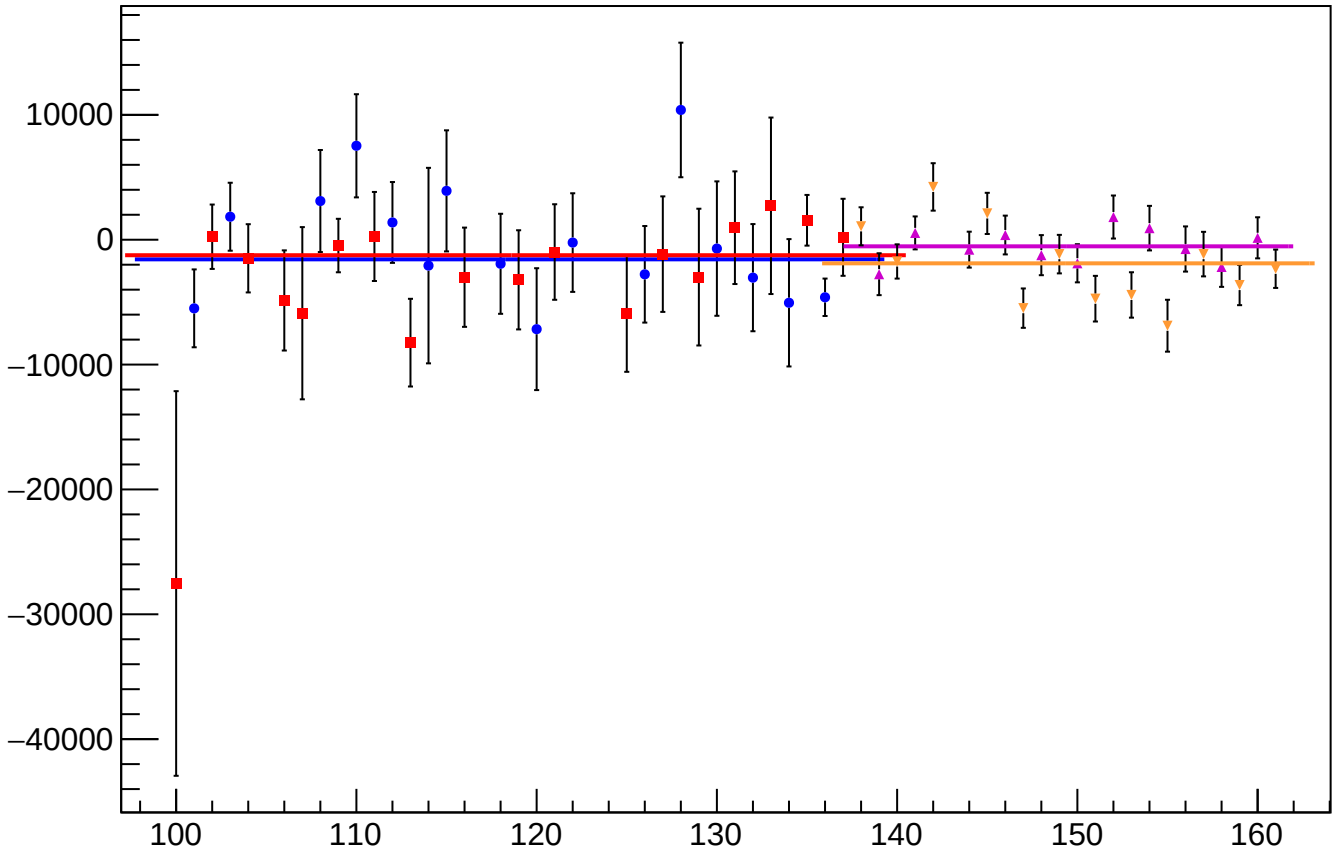
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2203.634+/-0.504 χ^2/NDF:26413.0/10

\+ sign 2168.414+/-0.376 χ^2/NDF: 211194.2/27

All: 2166.924+/-0.266 χ^2/NDF: 414142.1/56

\- sign 2165.434+/-0.376 χ^2/NDF: 202916.4/28



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1891.305+/-477.545 χ^2/NDF:37.0/11

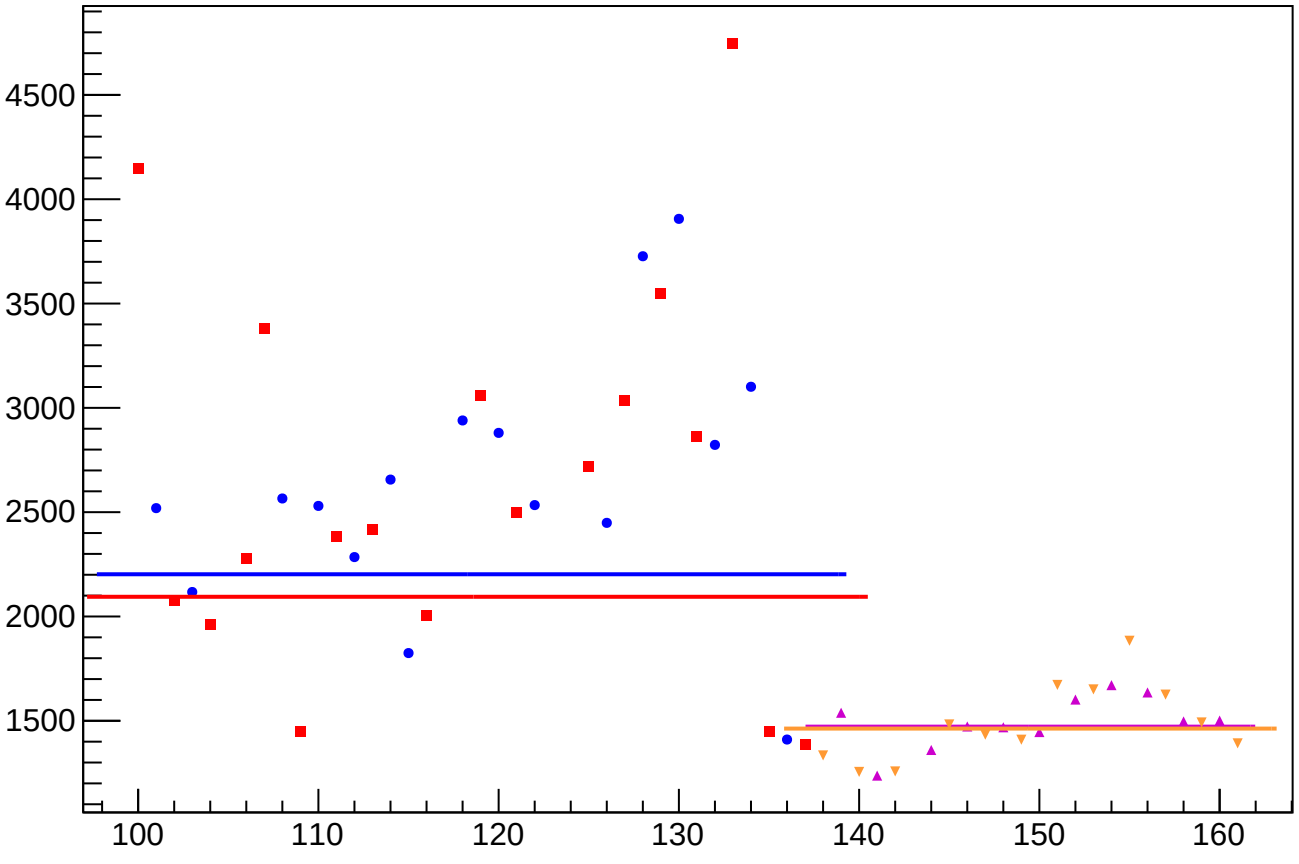
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -528.835+/-478.821 χ^2/NDF:7.6/10

+ sign -1815.798+/-417.470 χ^2/NDF: 59.7/27

All: -1257.562+/-293.768 χ^2/NDF: 84.4/56

- sign -709.998+/-413.460 χ^2/NDF: 21.2/28



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1462.702+/-0.338 χ^2/NDF:238001.5/11

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

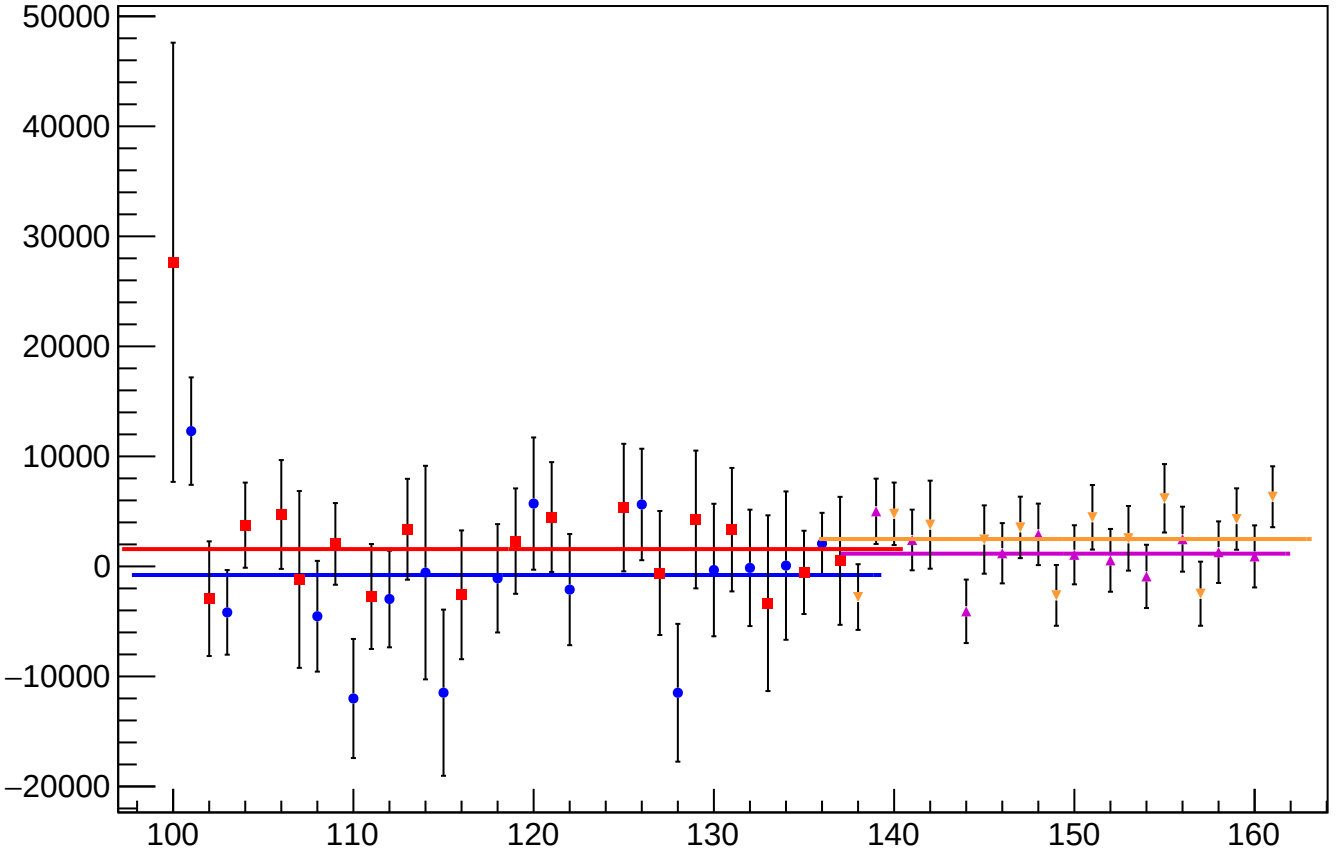
Left In: 1472.005+/-0.339 χ^2/NDF:132756.7/10

+ sign 1637.103+/-0.295 χ^2/NDF: 2592258.5/27

All: 1633.689+/-0.208 χ^2/NDF: 4958655.1/56

- sign 1630.341+/-0.292 χ^2/NDF: 2366131.7/28

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2490.452+/-853.249 χ^2/NDF:14.6/11

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

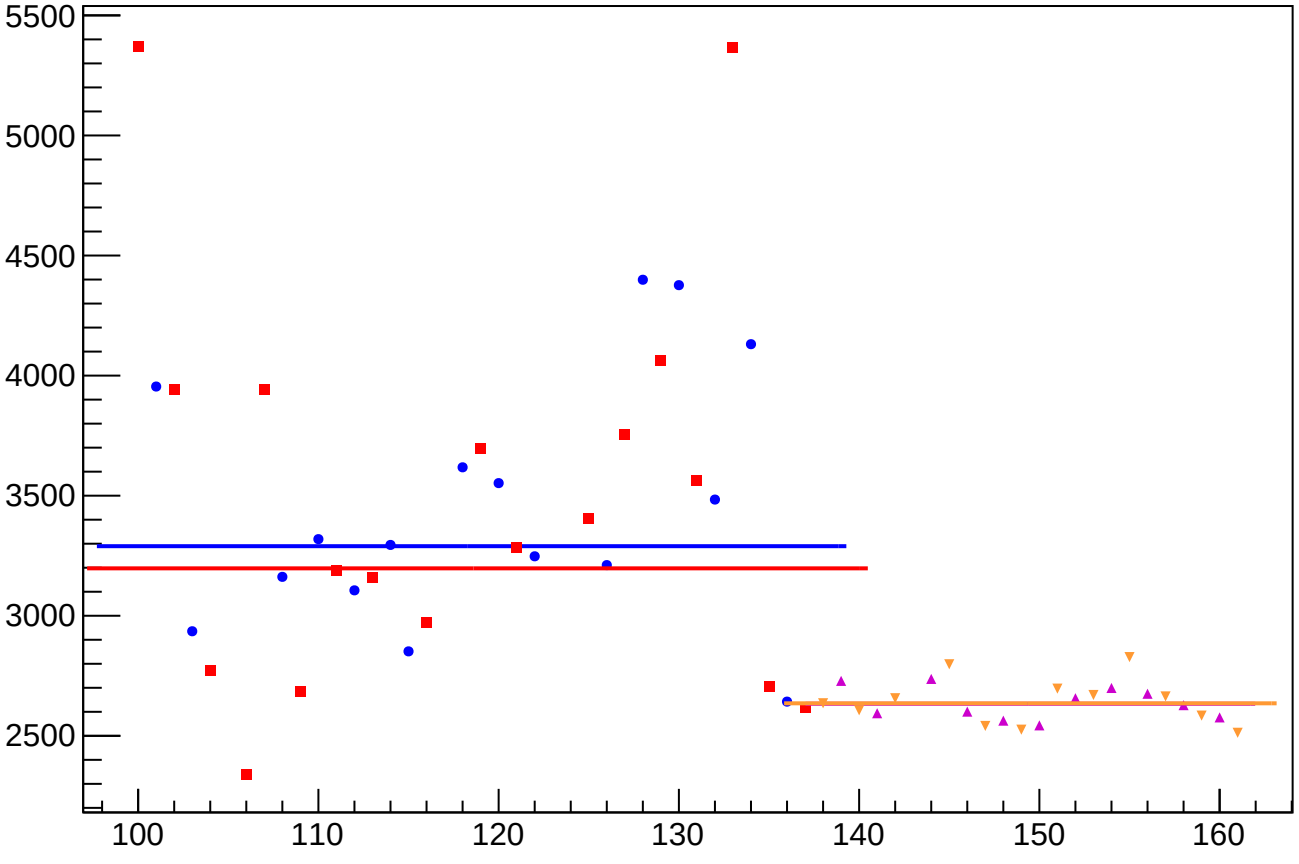
Left In: 1157.960+/-852.201 χ^2/NDF:6.4/10

+ sign 1440.979+/-703.226 χ^2/NDF: 41.2/27

All: 1367.375+/-495.555 χ^2/NDF: 54.4/56

- sign 1294.769+/-698.439 χ^2/NDF: 13.2/28

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2635.372+/-0.603 χ^2/NDF:24781.2/11

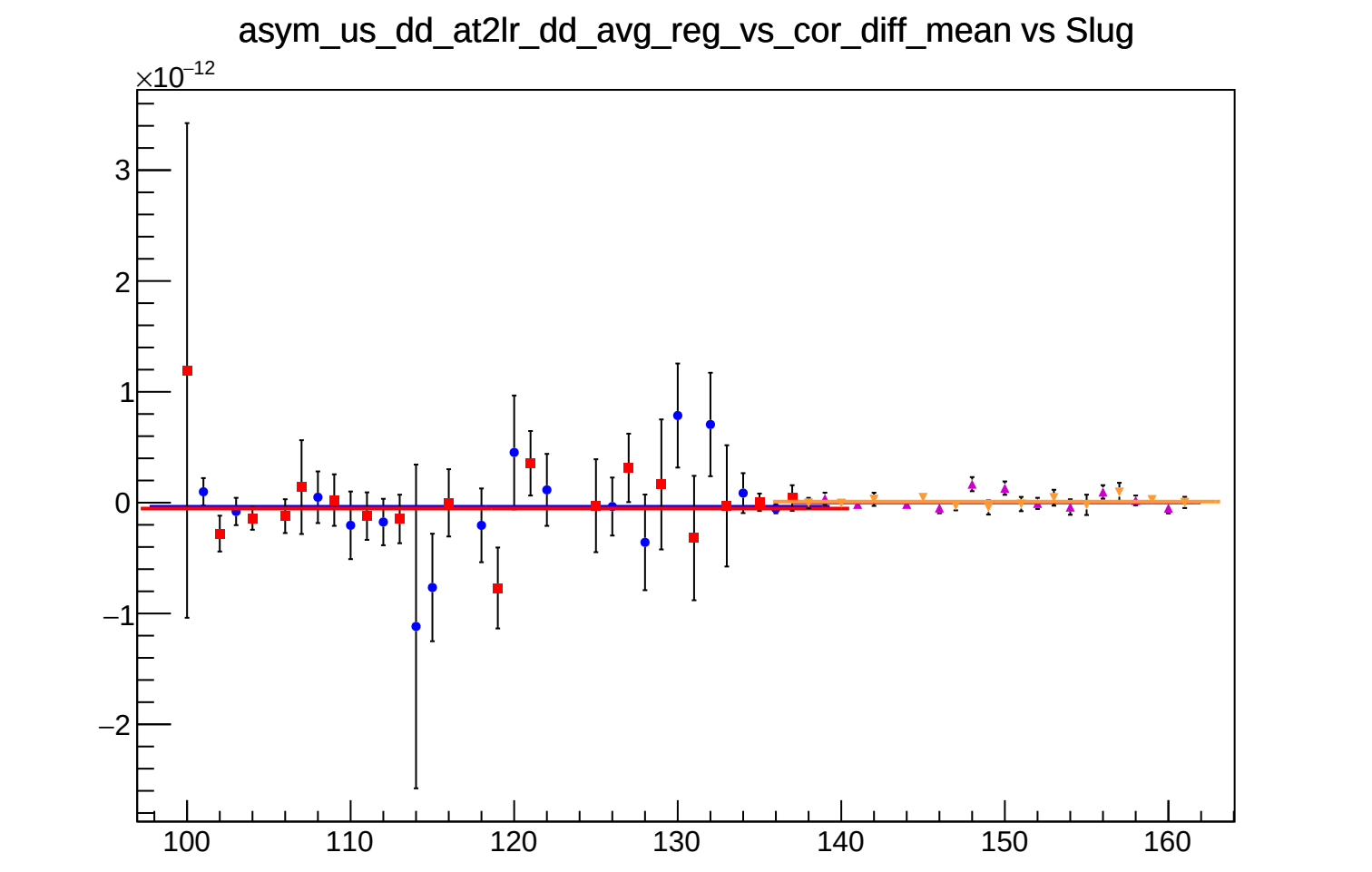
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

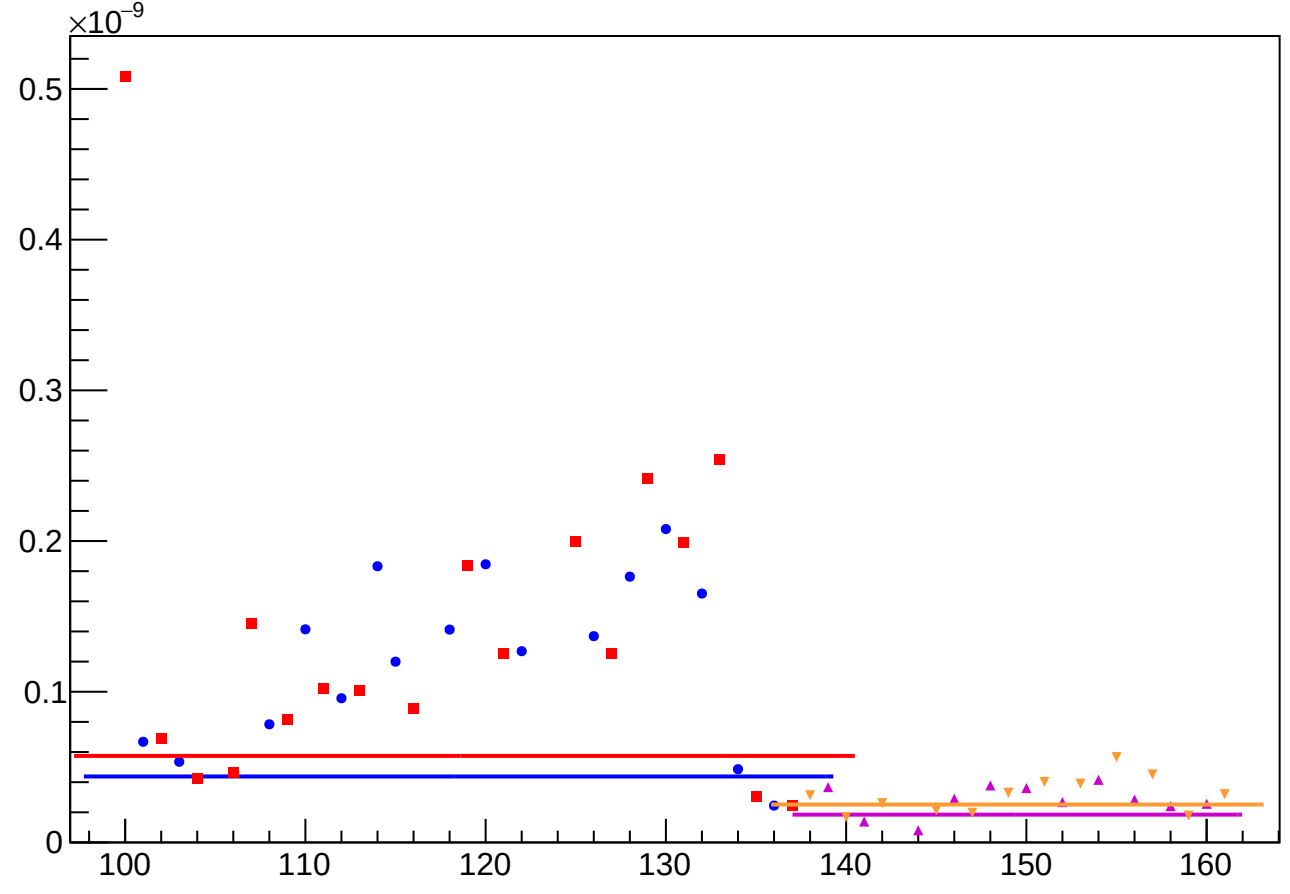
Left In: 2633.494+/-0.603 χ^2/NDF:11237.4/10

+ sign 2845.236+/-0.497 χ^2/NDF: 749604.1/27

All: 2831.838+/-0.350 χ^2/NDF: 1549696.6/56

- sign 2818.623+/-0.494 χ^2/NDF: 798650.5/28


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:4.7/11
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:18.1/10
+ sign 0.000+/-0.000 χ²/NDF: 19.4/27
All: 0.000+/-0.000 χ²/NDF: 51.7/56
- sign -0.000+/-0.000 χ²/NDF: 32.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:917850.6/11

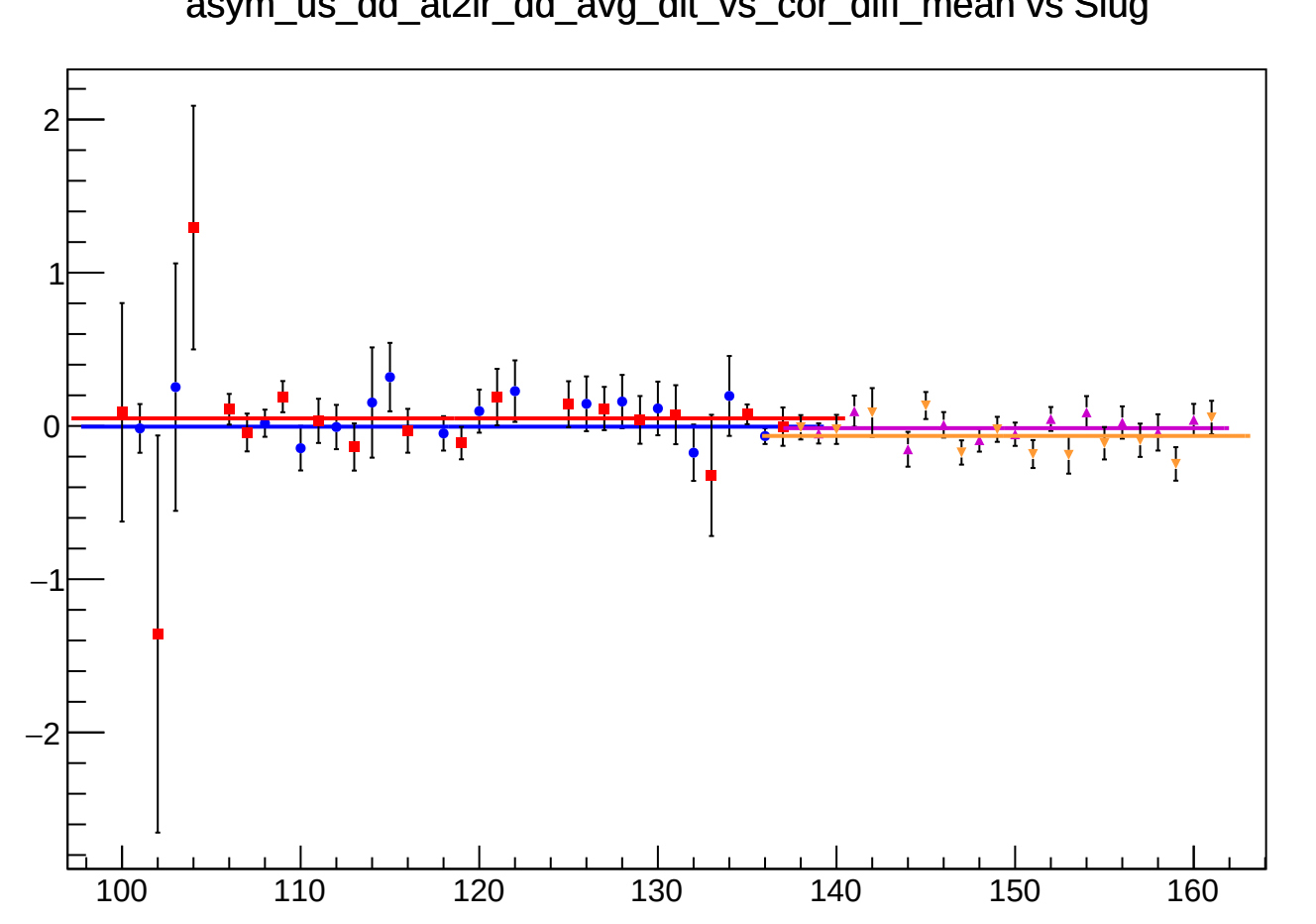
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1813347.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 3651058.0/27

All: 0.000+/-0.000 χ^2/NDF: 9366893.9/56

- sign 0.000+/-0.000 χ^2/NDF: 5408168.0/28



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.028 χ^2/NDF:15.8/11

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

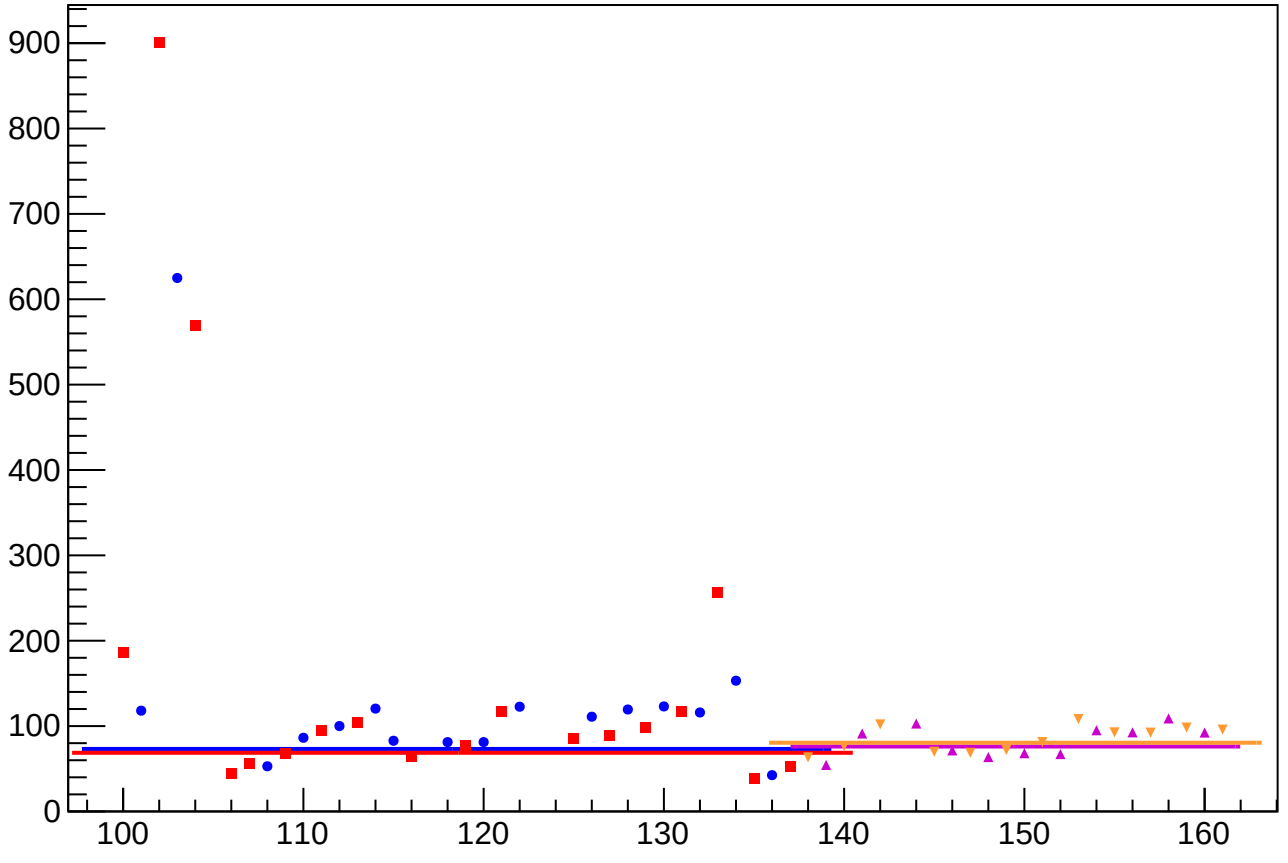
Left In: -0.014+/-0.027 χ^2/NDF:6.4/10

+ sign -0.039+/-0.021 χ^2/NDF: 28.1/27

All: -0.012+/-0.015 χ^2/NDF: 53.0/56

- sign 0.012+/-0.020 χ^2/NDF: 21.8/28

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 80.505+/-0.020 χ^2/NDF:474070.6/11

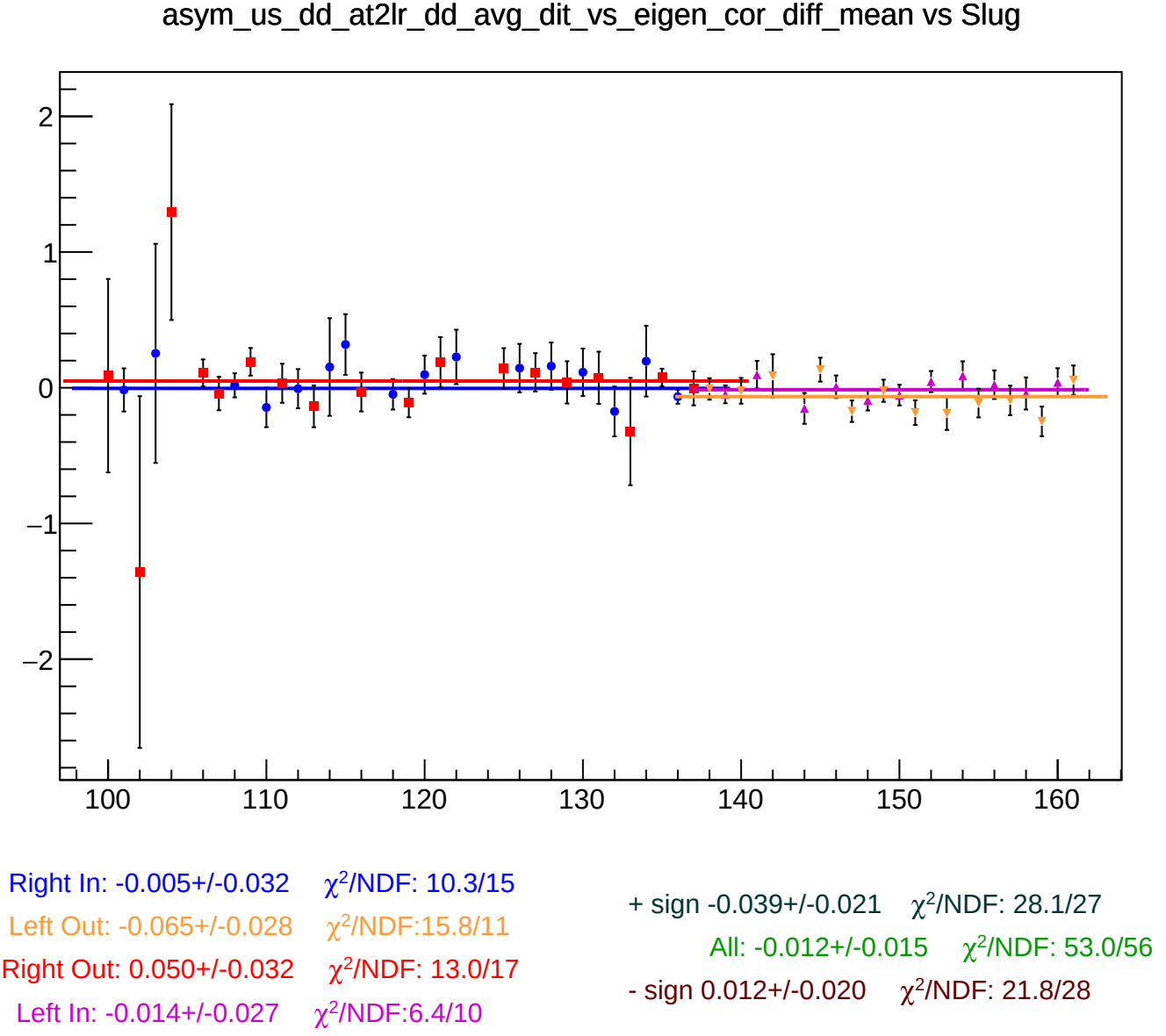
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

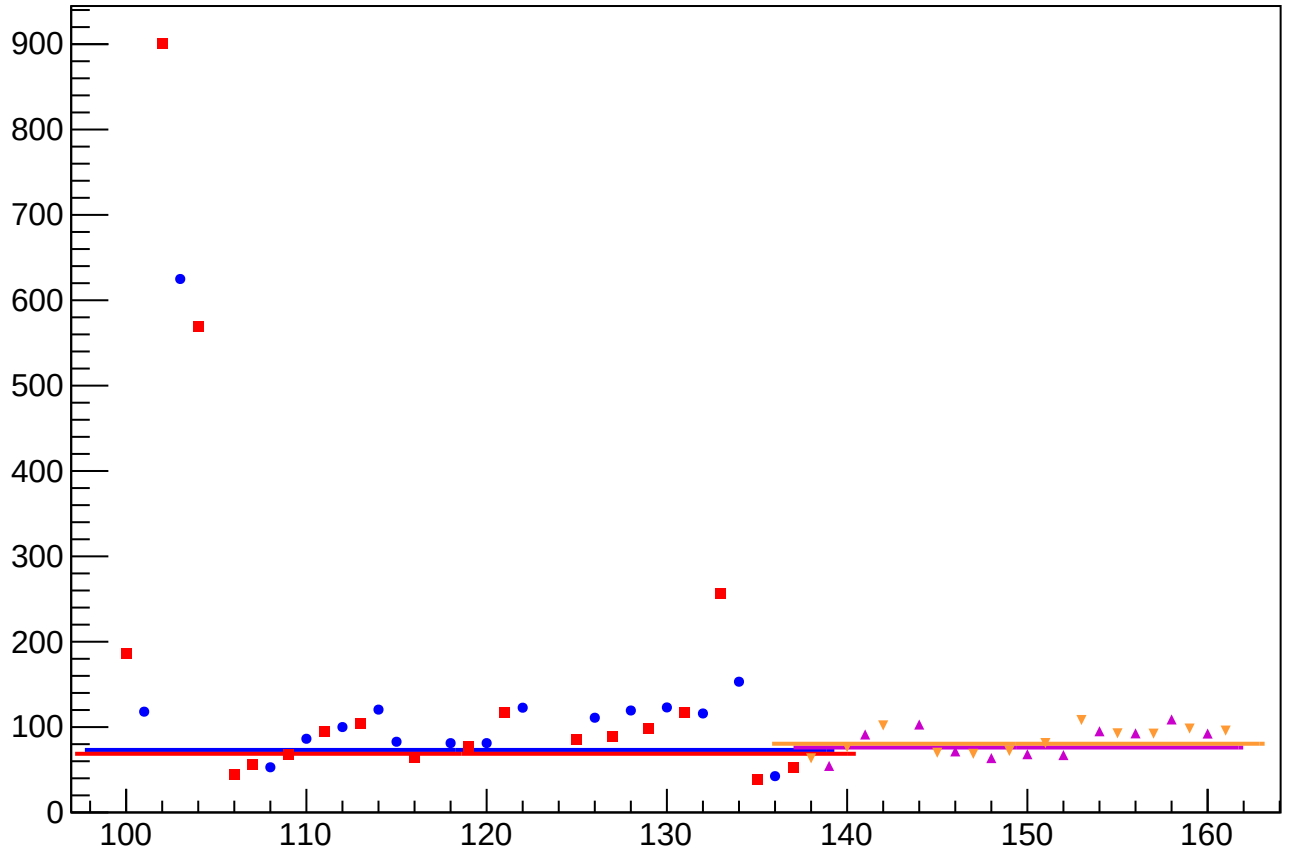
Left In: 76.062+/-0.019 χ^2/NDF:798957.6/10

+ sign 77.378+/-0.015 χ^2/NDF: 3386683.8/27

All: 75.121+/-0.010 χ^2/NDF: 7624345.4/56

- sign 73.021+/-0.014 χ^2/NDF: 4193612.0/28


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.065+/-0.028 χ²/NDF:15.8/11
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.027 χ²/NDF:6.4/10
+ sign -0.039+/-0.021 χ²/NDF: 28.1/27
All: -0.012+/-0.015 χ²/NDF: 53.0/56
- sign 0.012+/-0.020 χ²/NDF: 21.8/28



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 80.505+/-0.020 χ^2/NDF:474070.6/11

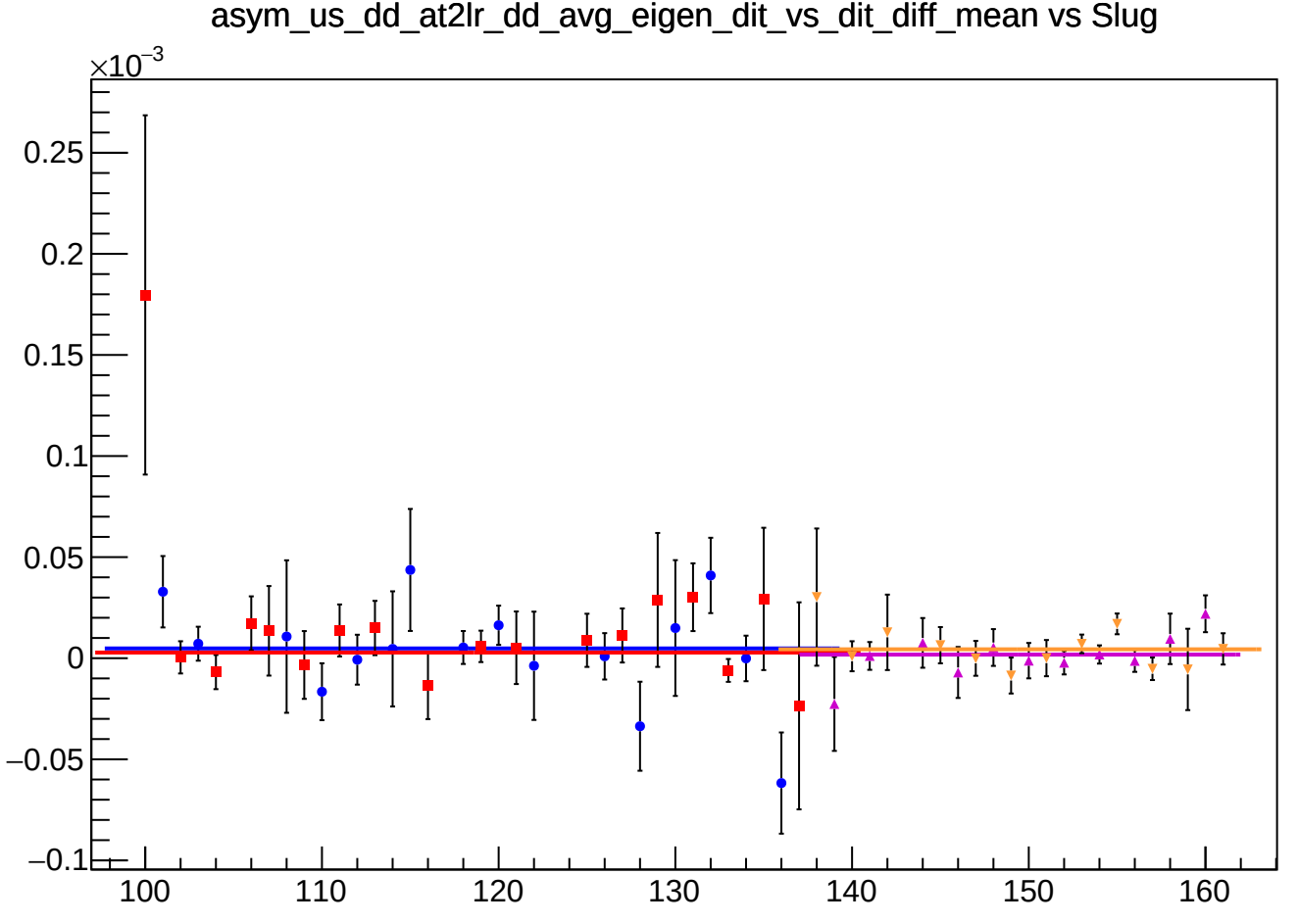
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 76.062+/-0.019 χ^2/NDF:798957.6/10

+ sign 77.378+/-0.015 χ^2/NDF: 3386683.8/27

All: 75.121+/-0.010 χ^2/NDF: 7624345.4/56

- sign 73.021+/-0.014 χ^2/NDF: 4193612.0/28



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/11

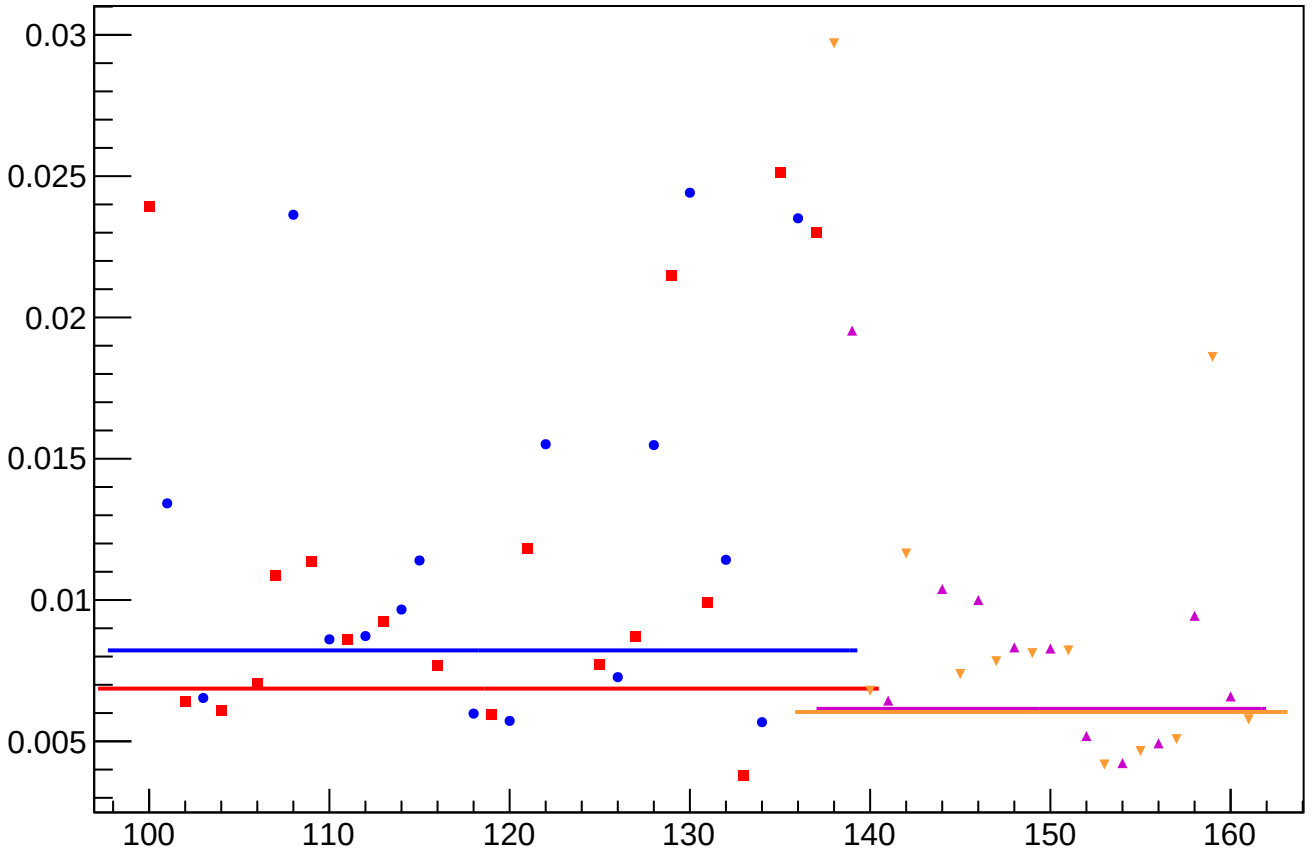
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:8.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 35.9/27

All: 0.000+/-0.000 χ^2/NDF: 61.7/56

- sign 0.000+/-0.000 χ^2/NDF: 25.0/28



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:2846167.8/11

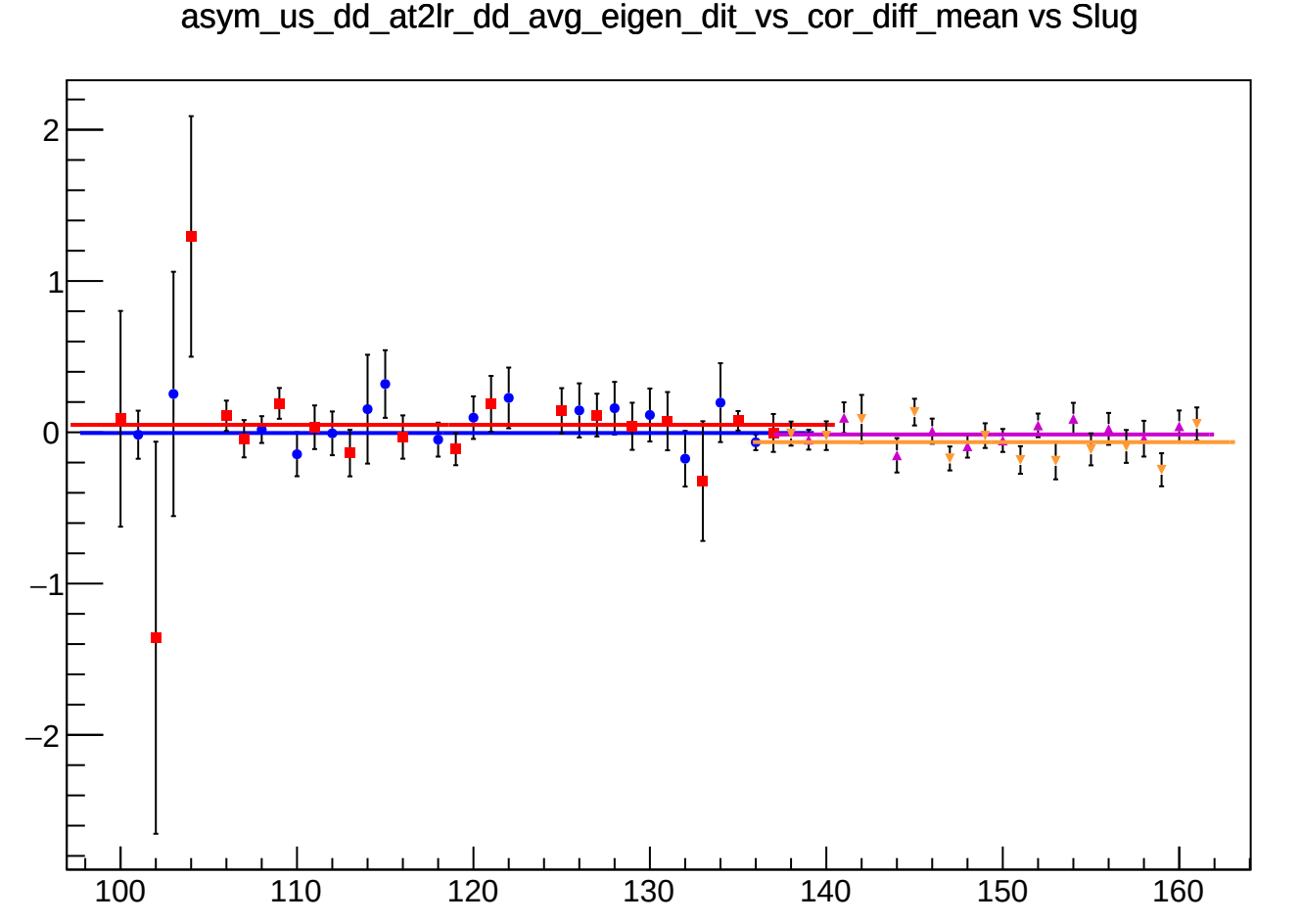
Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:1986151.0/10

+ sign 0.007+/-0.000 χ^2/NDF: 6062570.0/27

All: 0.007+/-0.000 χ^2/NDF: 10567481.7/56

- sign 0.006+/-0.000 χ^2/NDF: 4490155.5/28



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.028 χ^2/NDF:15.8/11

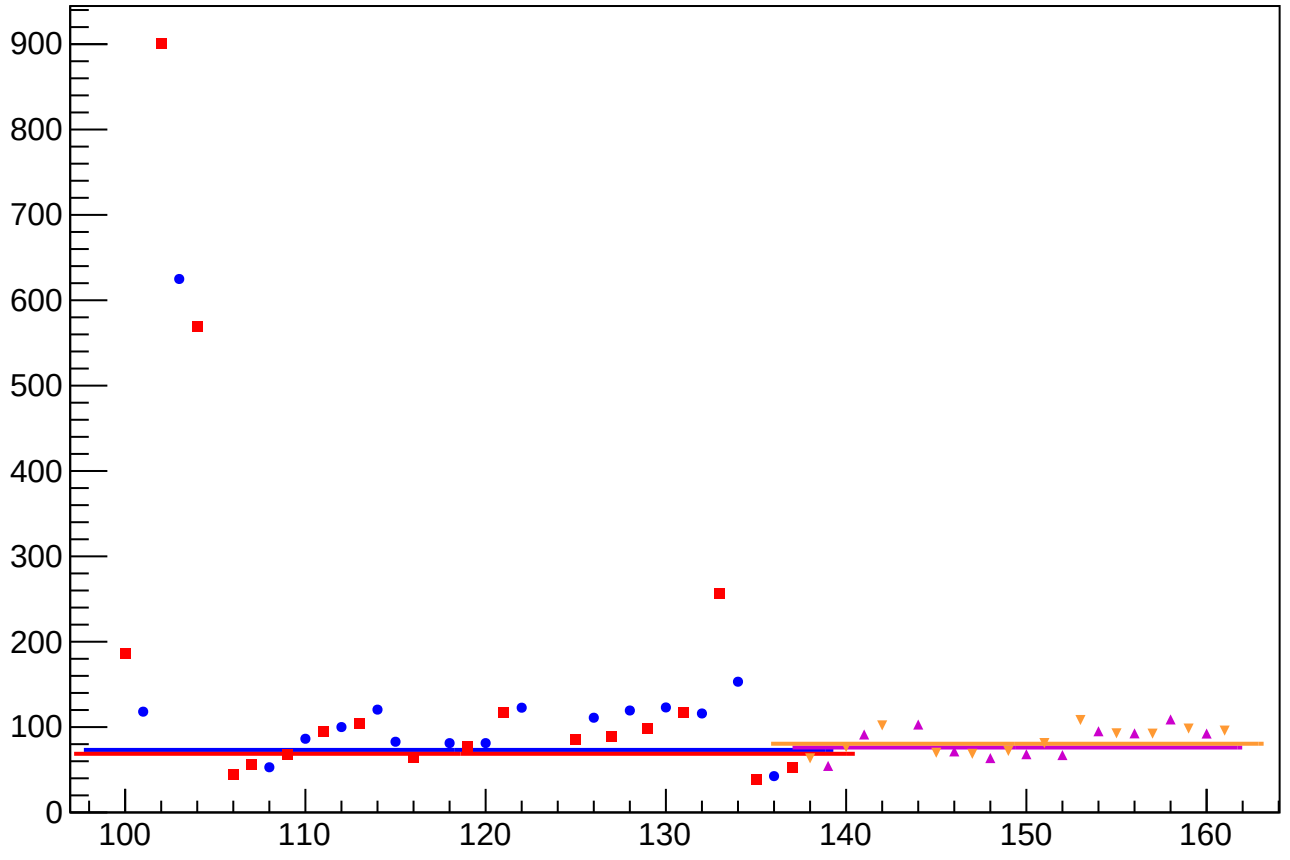
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.027 χ^2/NDF:6.4/10

+ sign -0.039+/-0.021 χ^2/NDF: 28.1/27

All: -0.012+/-0.015 χ^2/NDF: 53.0/56

- sign 0.012+/-0.020 χ^2/NDF: 21.8/28



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 80.505+/-0.020 χ^2/NDF:474026.7/11

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

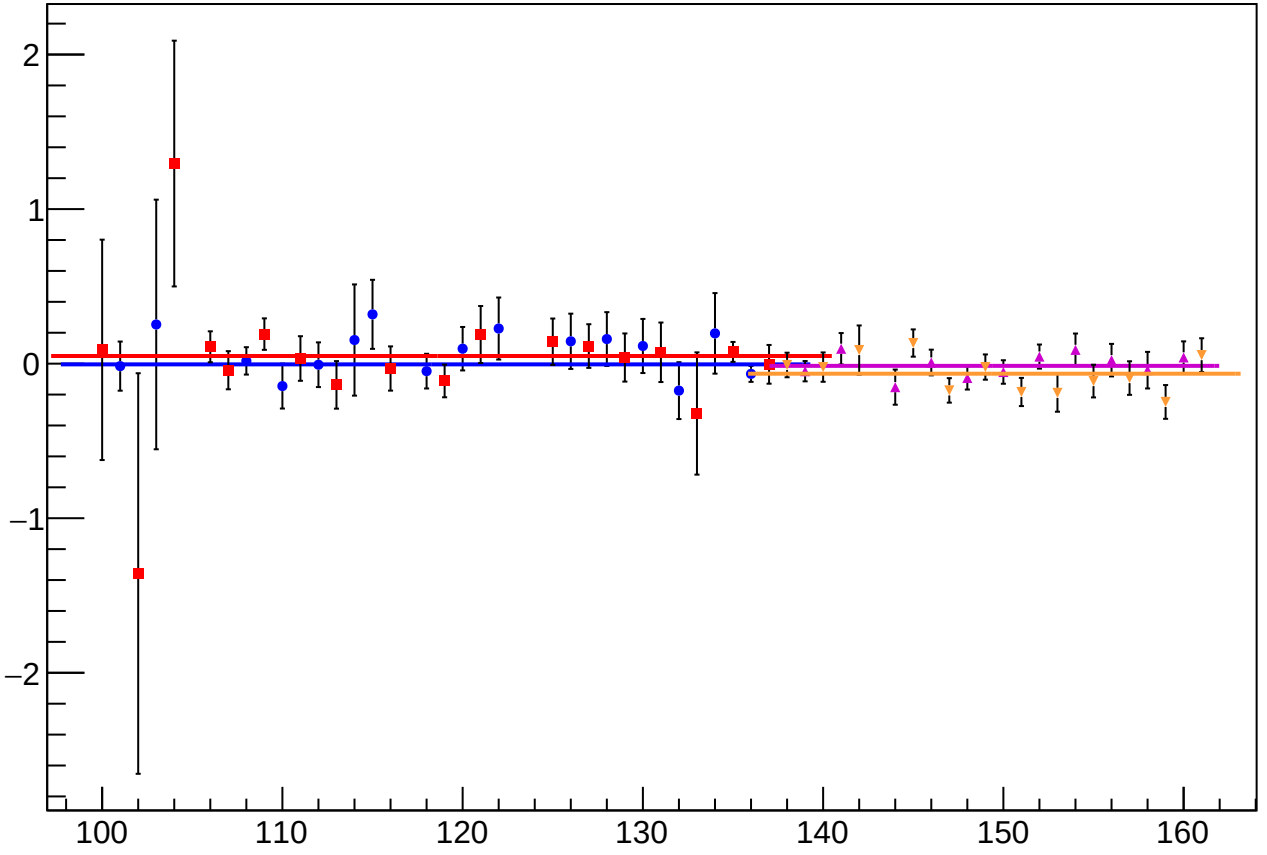
Left In: 76.064+/-0.019 χ^2/NDF:798737.0/10

+ sign 77.390+/-0.015 χ^2/NDF: 3383940.8/27

All: 75.124+/-0.010 χ^2/NDF: 7622928.7/56

- sign 73.017+/-0.014 χ^2/NDF: 4194629.6/28

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.065+/-0.028 χ^2/NDF:15.8/11

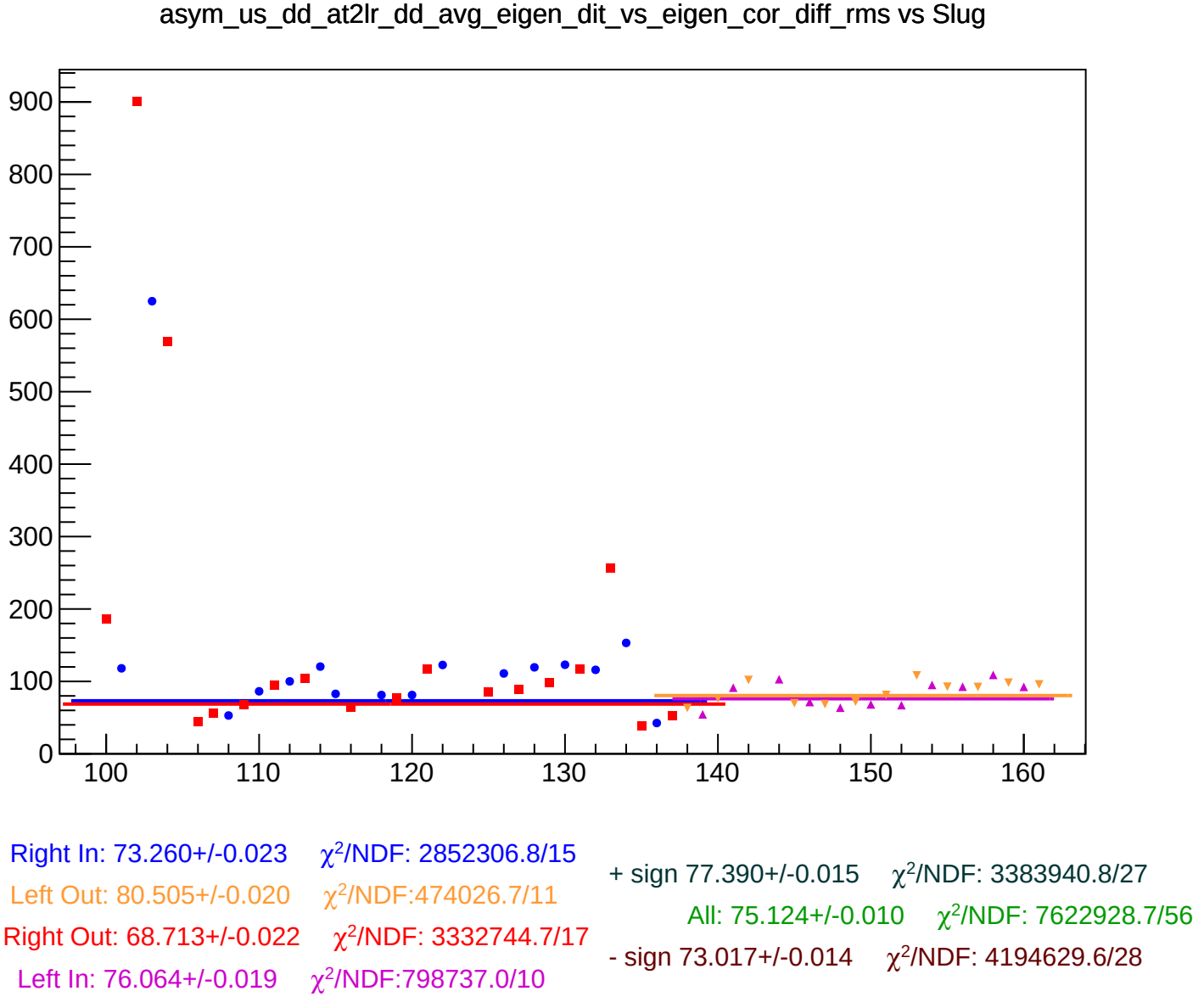
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

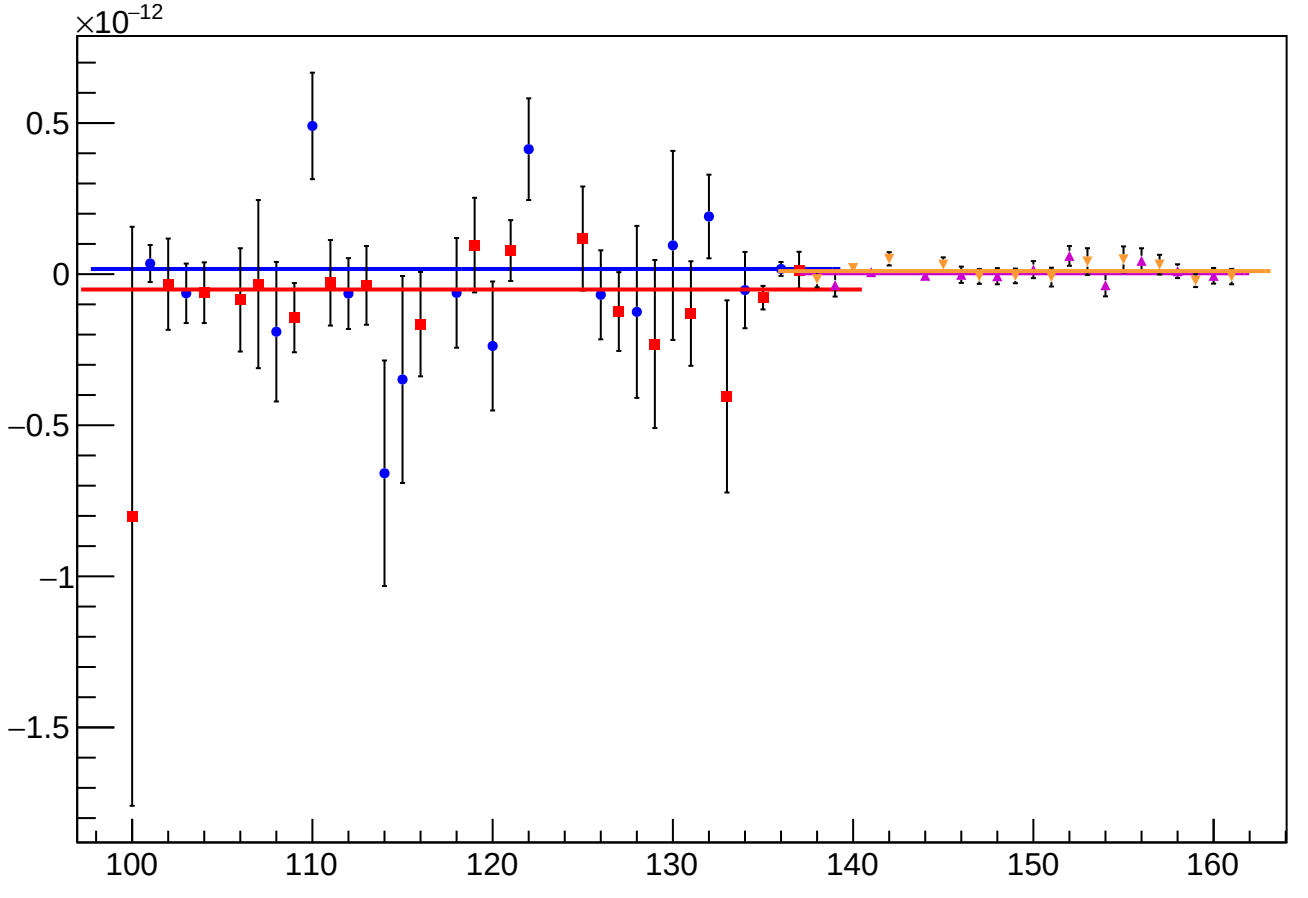
Left In: -0.014+/-0.027 χ^2/NDF:6.4/10

+ sign -0.039+/-0.021 χ^2/NDF: 28.1/27

All: -0.012+/-0.015 χ^2/NDF: 53.0/56

- sign 0.012+/-0.020 χ^2/NDF: 21.8/28


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 80.505+/-0.020 χ²/NDF:474026.7/11
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 76.064+/-0.019 χ²/NDF:798737.0/10
+ sign 77.390+/-0.015 χ²/NDF: 3383940.8/27
All: 75.124+/-0.010 χ²/NDF: 7622928.7/56
- sign 73.017+/-0.014 χ²/NDF: 4194629.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/11

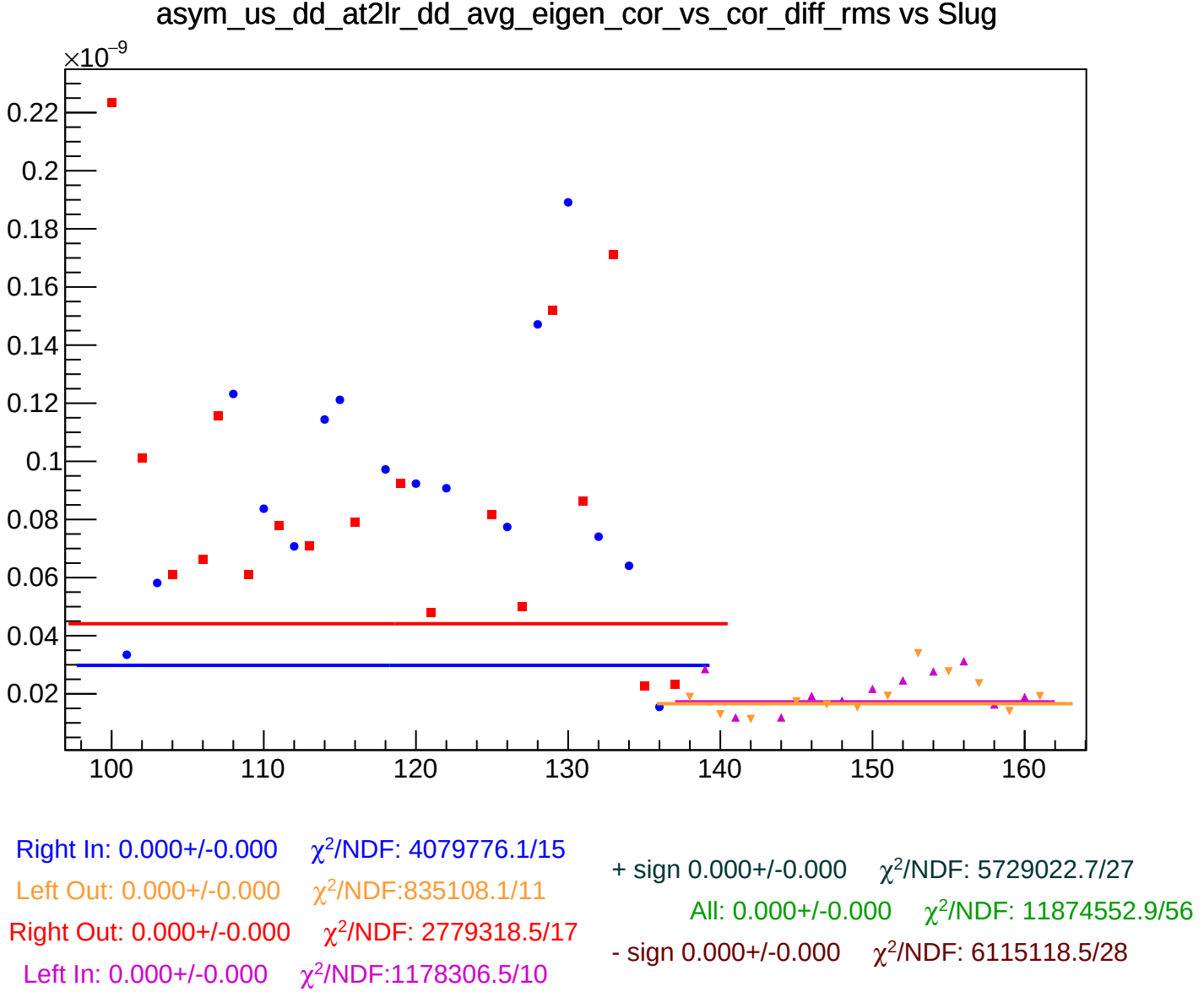
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/10

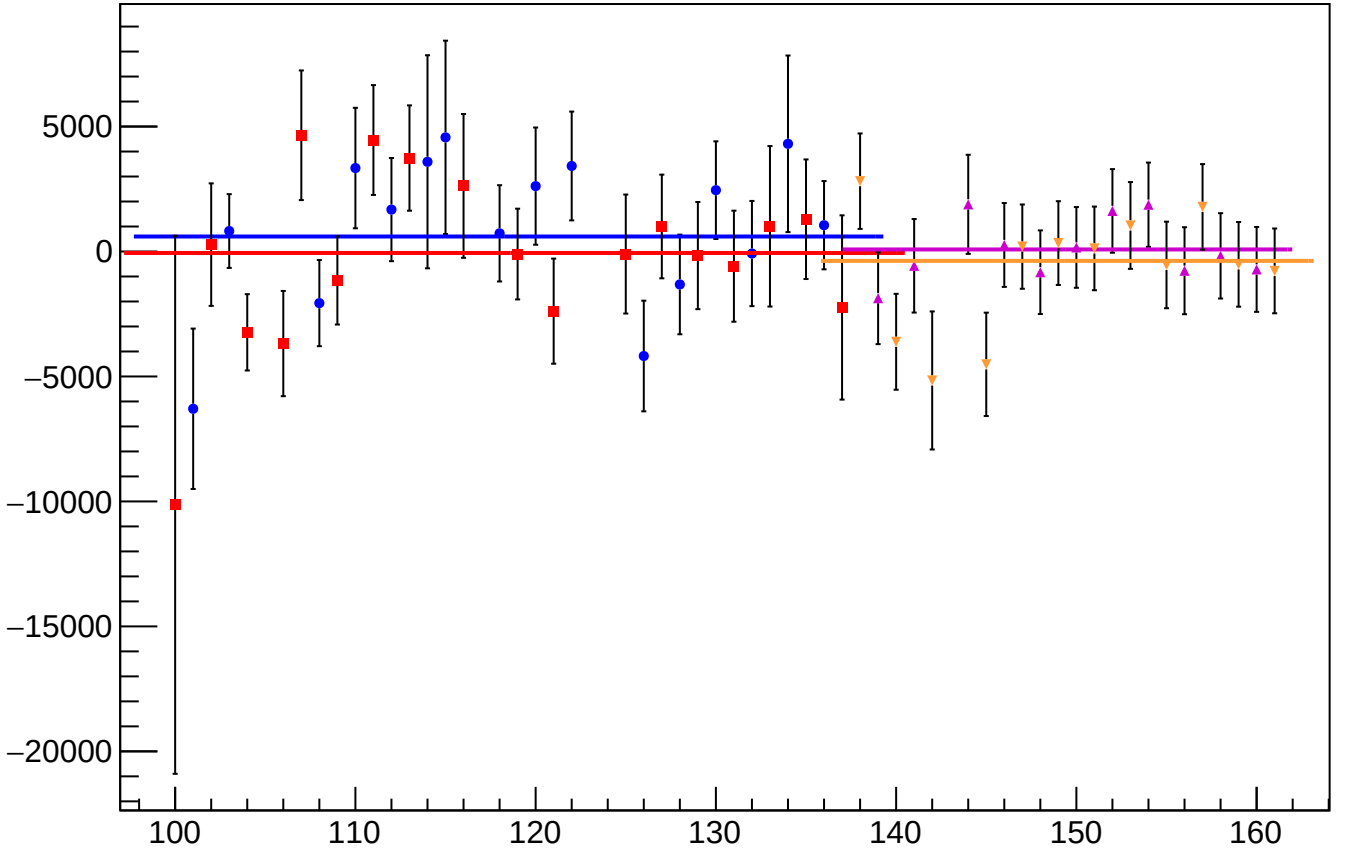
+ sign 0.000+/-0.000 χ^2/NDF: 34.8/27

All: 0.000+/-0.000 χ^2/NDF: 57.0/56

- sign -0.000+/-0.000 χ^2/NDF: 20.5/28


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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:835108.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1178306.5/10
+ sign 0.000+/-0.000 χ²/NDF: 5729022.7/27
All: 0.000+/-0.000 χ²/NDF: 11874552.9/56
- sign 0.000+/-0.000 χ²/NDF: 6115118.5/28

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -375.672+/-521.421 χ^2/NDF:15.4/11

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

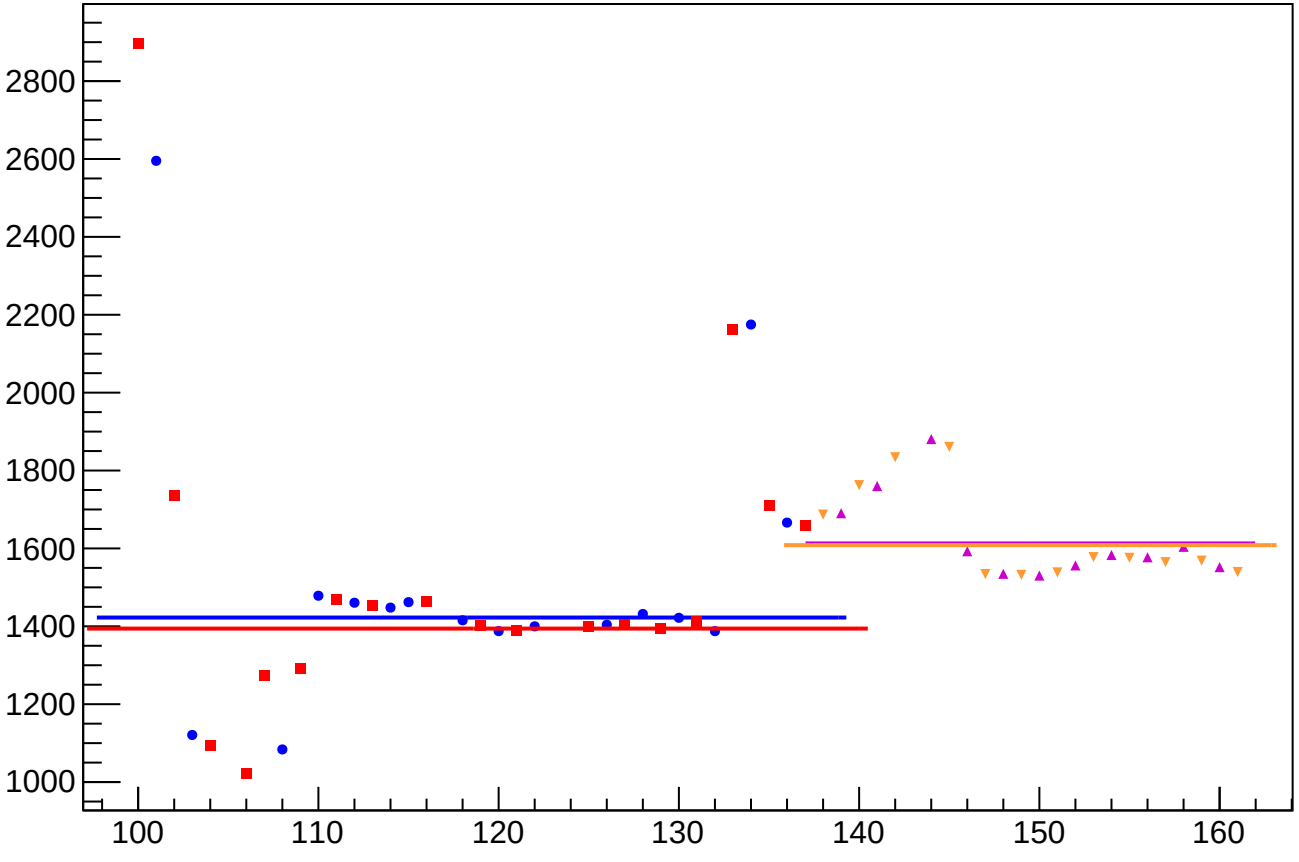
Left In: 82.300+/-522.655 χ^2/NDF:4.8/10

+ sign 95.114+/-375.115 χ^2/NDF: 37.4/27

All: 53.546+/-264.215 χ^2/NDF: 64.8/56

- sign 12.619+/-372.214 χ^2/NDF: 27.4/28

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1608.370+/-0.369 χ^2/NDF:77972.1/11

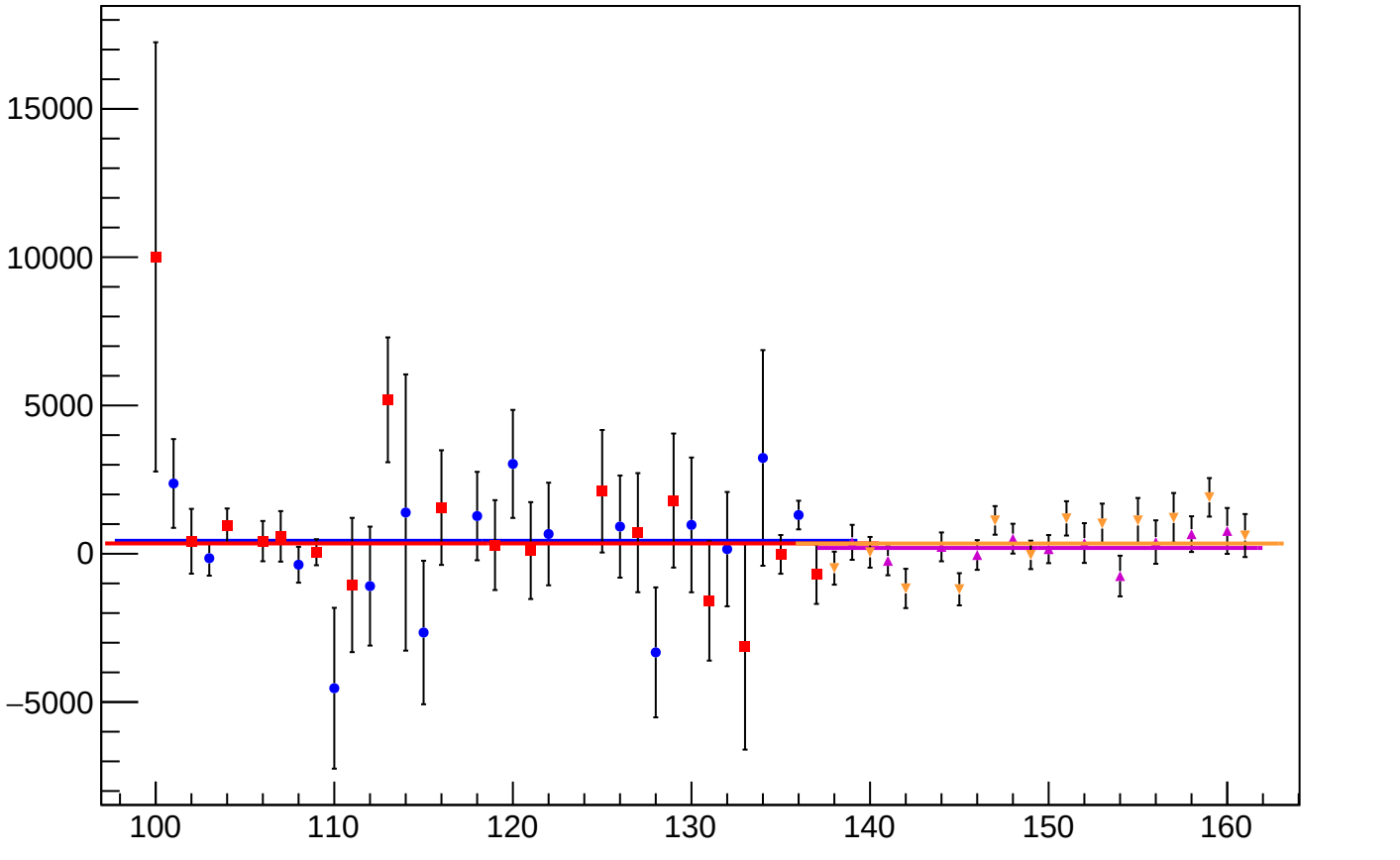
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1612.879+/-0.370 χ^2/NDF:68747.5/10

+ sign 1518.703+/-0.265 χ^2/NDF: 760821.4/27

All: 1511.845+/-0.187 χ^2/NDF: 1397156.4/56

- sign 1505.093+/-0.263 χ^2/NDF: 635008.4/28



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 345.175+/-171.749 χ^2/NDF:30.3/11

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

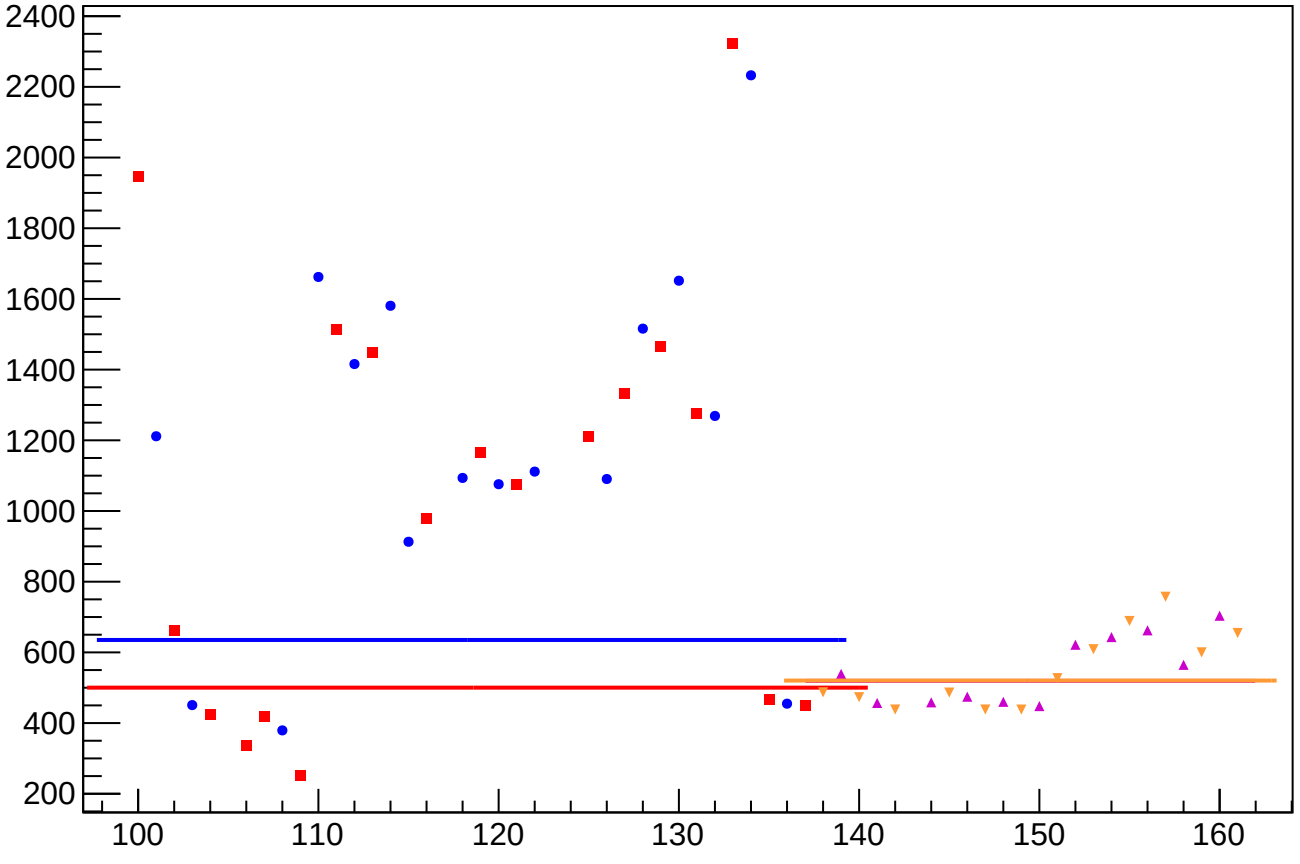
Left In: 194.785+/-170.593 χ^2/NDF:4.7/10

+ sign 370.681+/-145.808 χ^2/NDF: 49.7/27

All: 305.999+/-100.150 χ^2/NDF: 69.0/56

- sign 248.229+/-137.797 χ^2/NDF: 18.9/28

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 520.264+/-0.121 χ^2/NDF:570738.8/11

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

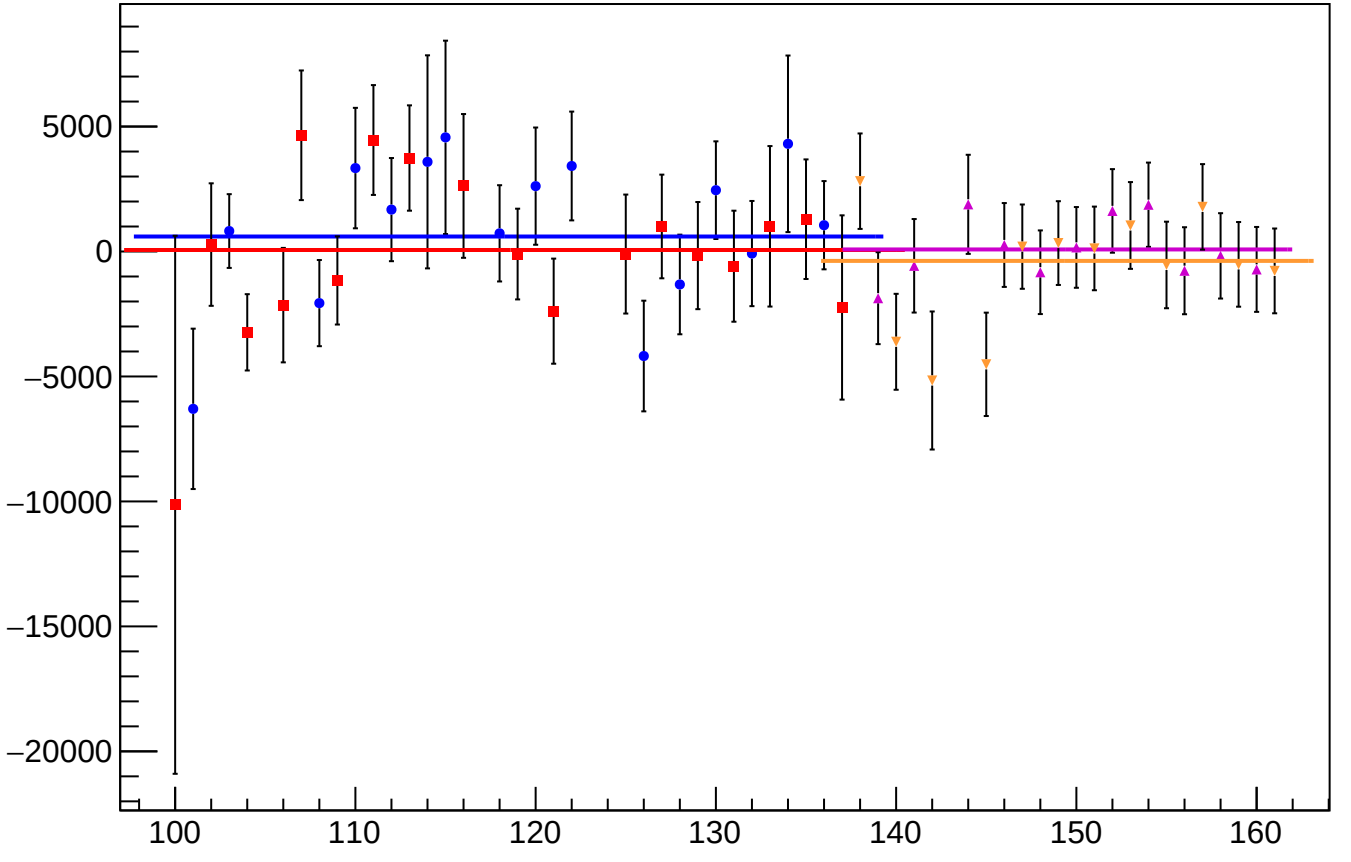
Left In: 519.305+/-0.121 χ^2/NDF:468109.7/10

\+ sign 552.343+/-0.103 χ^2/NDF: 4573169.6/27

All: 531.390+/-0.071 χ^2/NDF: 9437247.4/56

\- sign 512.676+/-0.097 χ^2/NDF: 4785891.8/28

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -375.798+/-521.421 χ^2/NDF:15.4/11

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

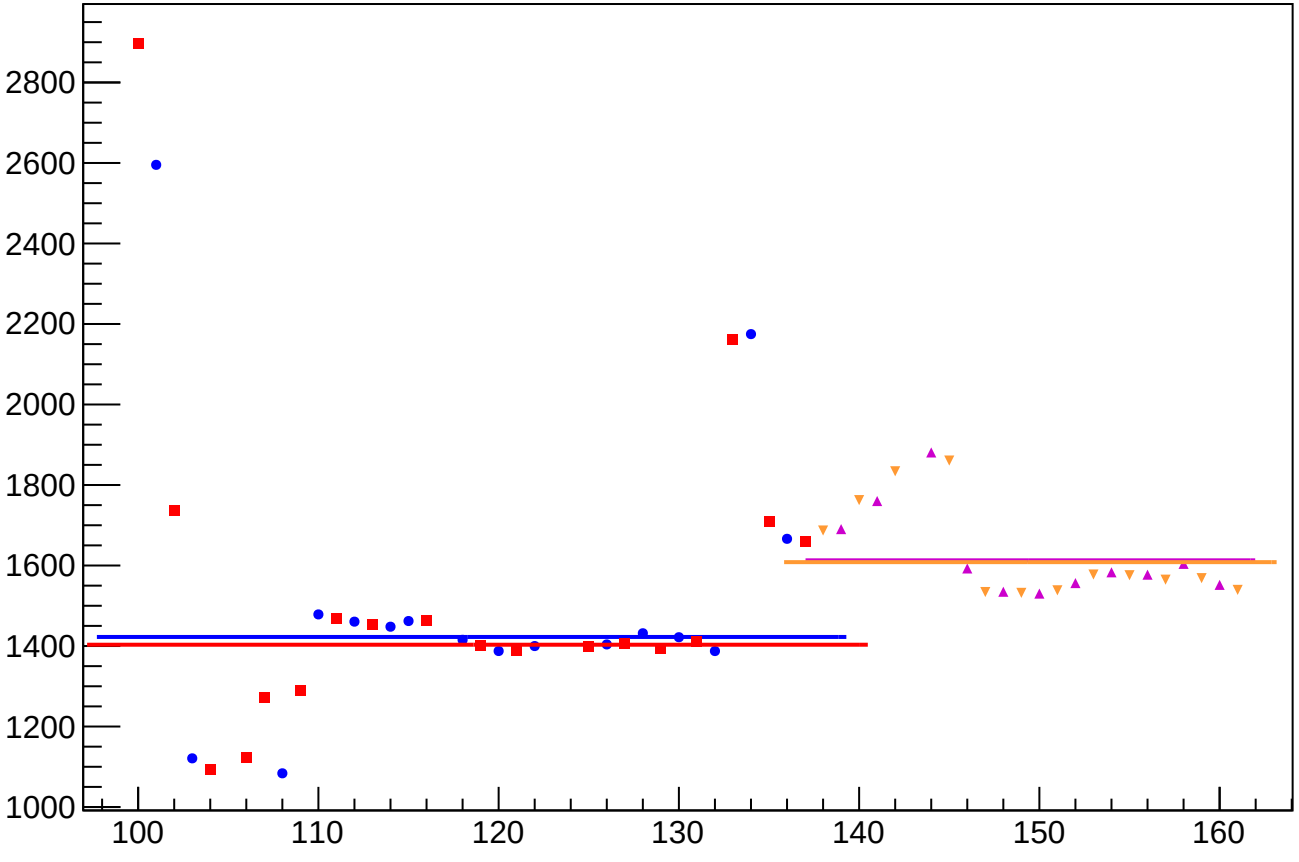
Left In: 82.267+/-522.655 χ^2/NDF:4.8/10

+ sign 94.988+/-375.115 χ^2/NDF: 37.4/27

All: 83.194+/-264.537 χ^2/NDF: 62.6/56

- sign 71.525+/-373.117 χ^2/NDF: 25.2/28

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1608.370+/-0.369 χ^2/NDF:77972.1/11

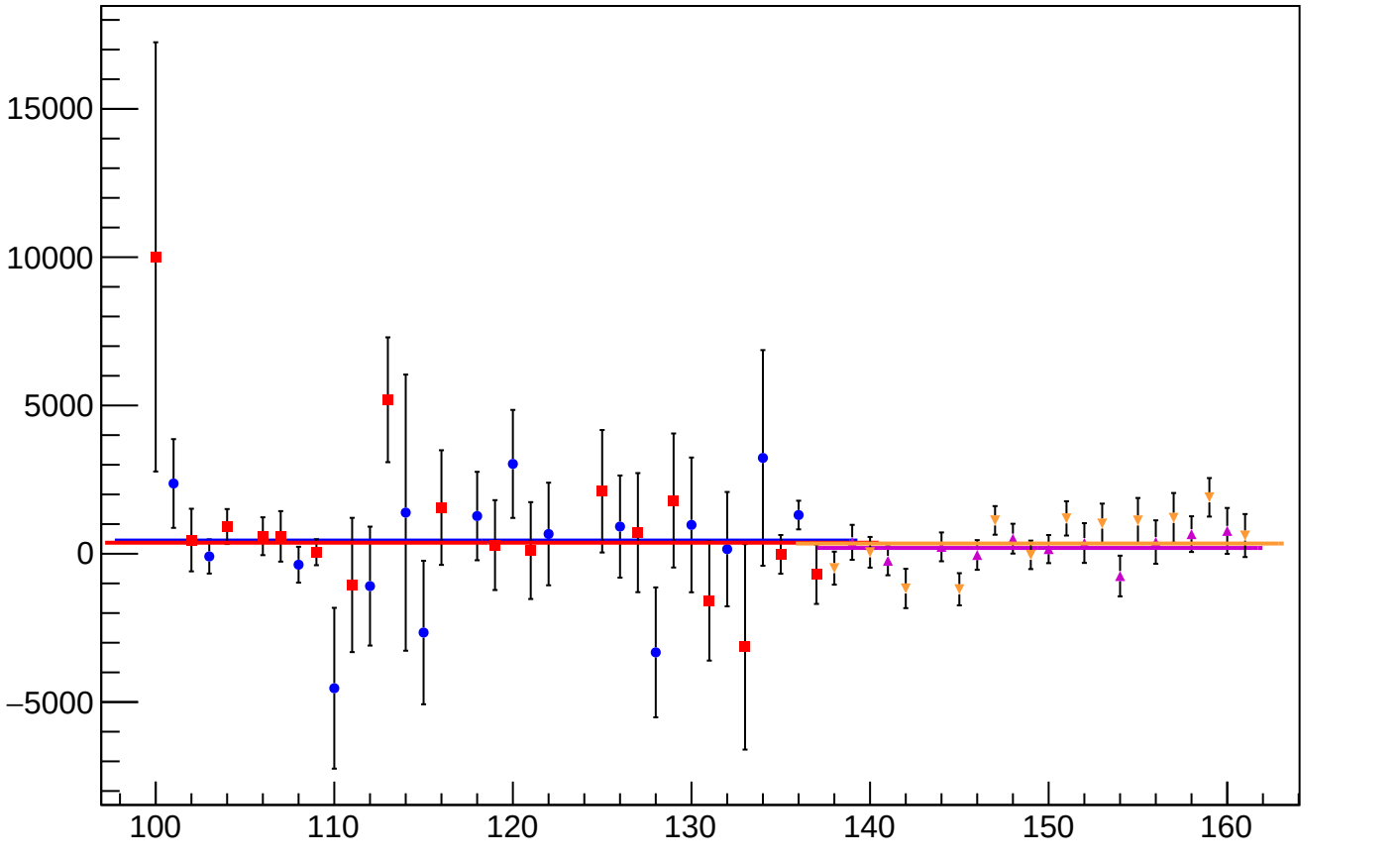
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1612.879+/-0.370 χ^2/NDF:68747.4/10

+ sign 1518.703+/-0.265 χ^2/NDF: 760821.8/27

All: 1514.363+/-0.187 χ^2/NDF: 1347030.5/56

- sign 1510.069+/-0.264 χ^2/NDF: 585676.2/28



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 345.216+/-171.751 χ^2/NDF:30.3/11

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

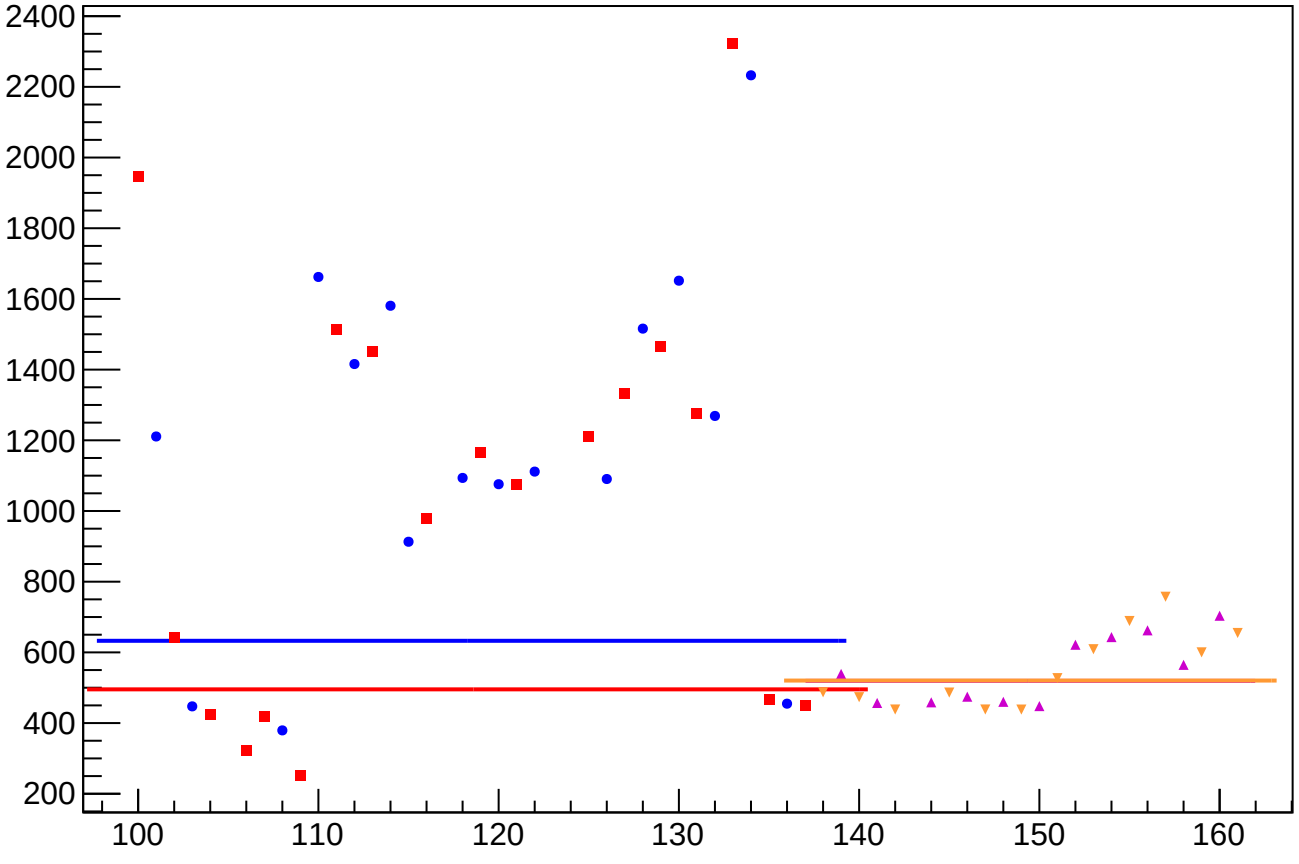
Left In: 194.846+/-170.591 χ^2/NDF:4.7/10

+ sign 373.289+/-145.635 χ^2/NDF: 49.5/27

All: 311.950+/-99.903 χ^2/NDF: 69.0/56

- sign 257.430+/-137.301 χ^2/NDF: 19.1/28

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: 520.272+/-0.121 χ^2/NDF:570636.8/11

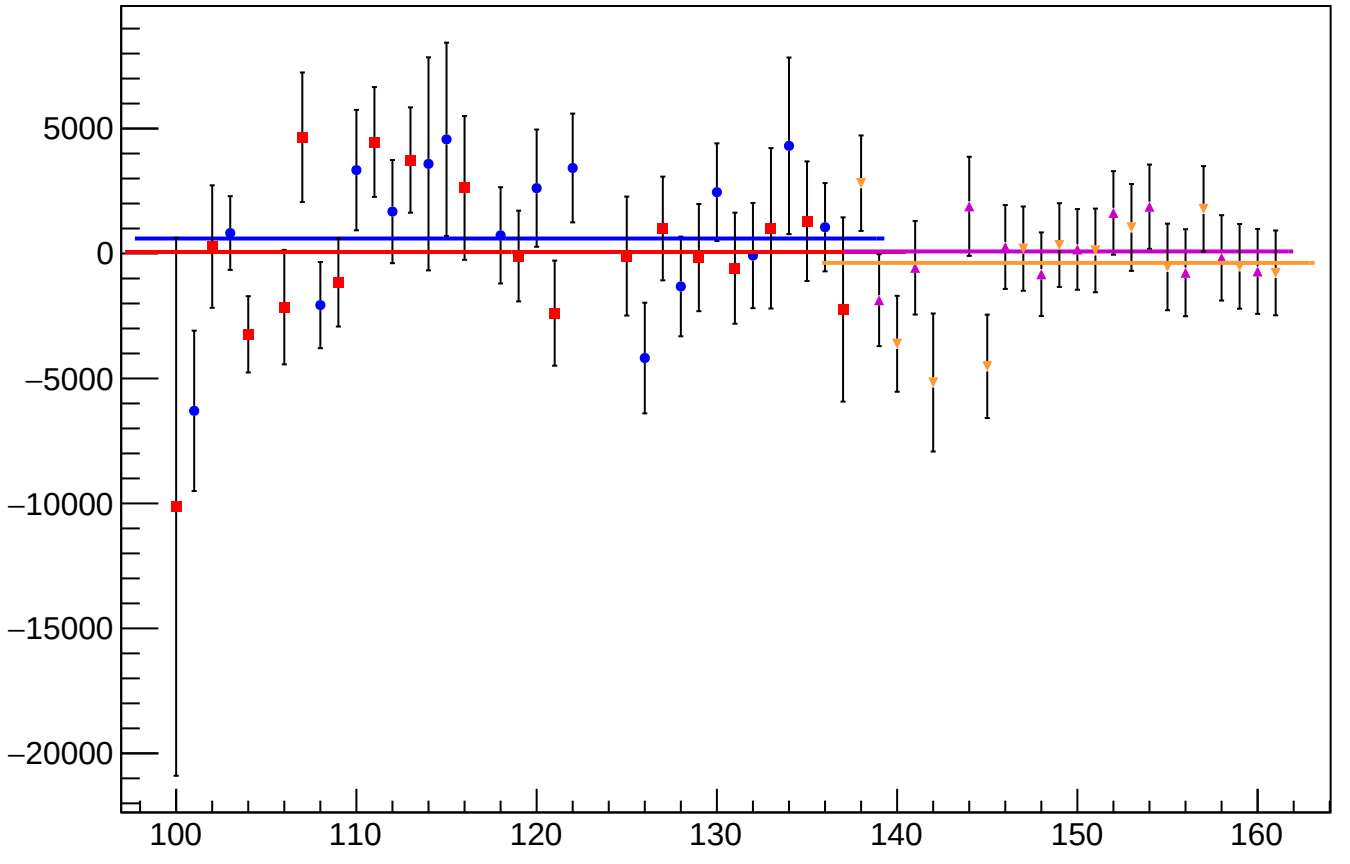
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 519.298+/-0.121 χ^2/NDF:468145.6/10

+ sign 551.878+/-0.103 χ^2/NDF: 4579405.8/27

All: 530.170+/-0.071 χ^2/NDF: 9482823.0/56

- sign 510.874+/-0.097 χ^2/NDF: 4819478.3/28



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -375.798+/-521.421 χ^2/NDF:15.4/11

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

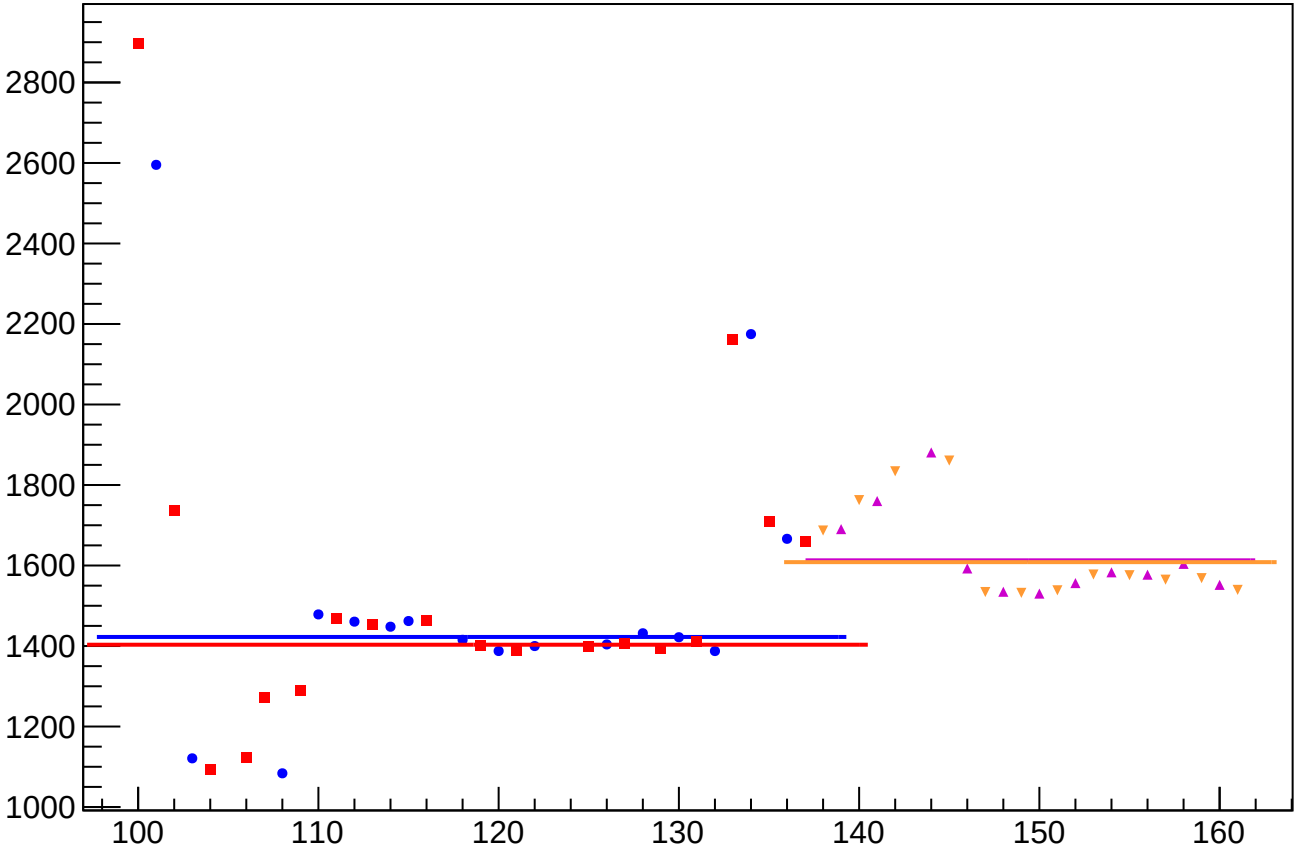
Left In: 82.267+/-522.655 χ^2/NDF:4.8/10

+ sign 94.988+/-375.115 χ^2/NDF: 37.4/27

All: 83.194+/-264.537 χ^2/NDF: 62.6/56

- sign 71.525+/-373.117 χ^2/NDF: 25.2/28

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: 1608.370+/-0.369 χ^2/NDF:77972.1/11

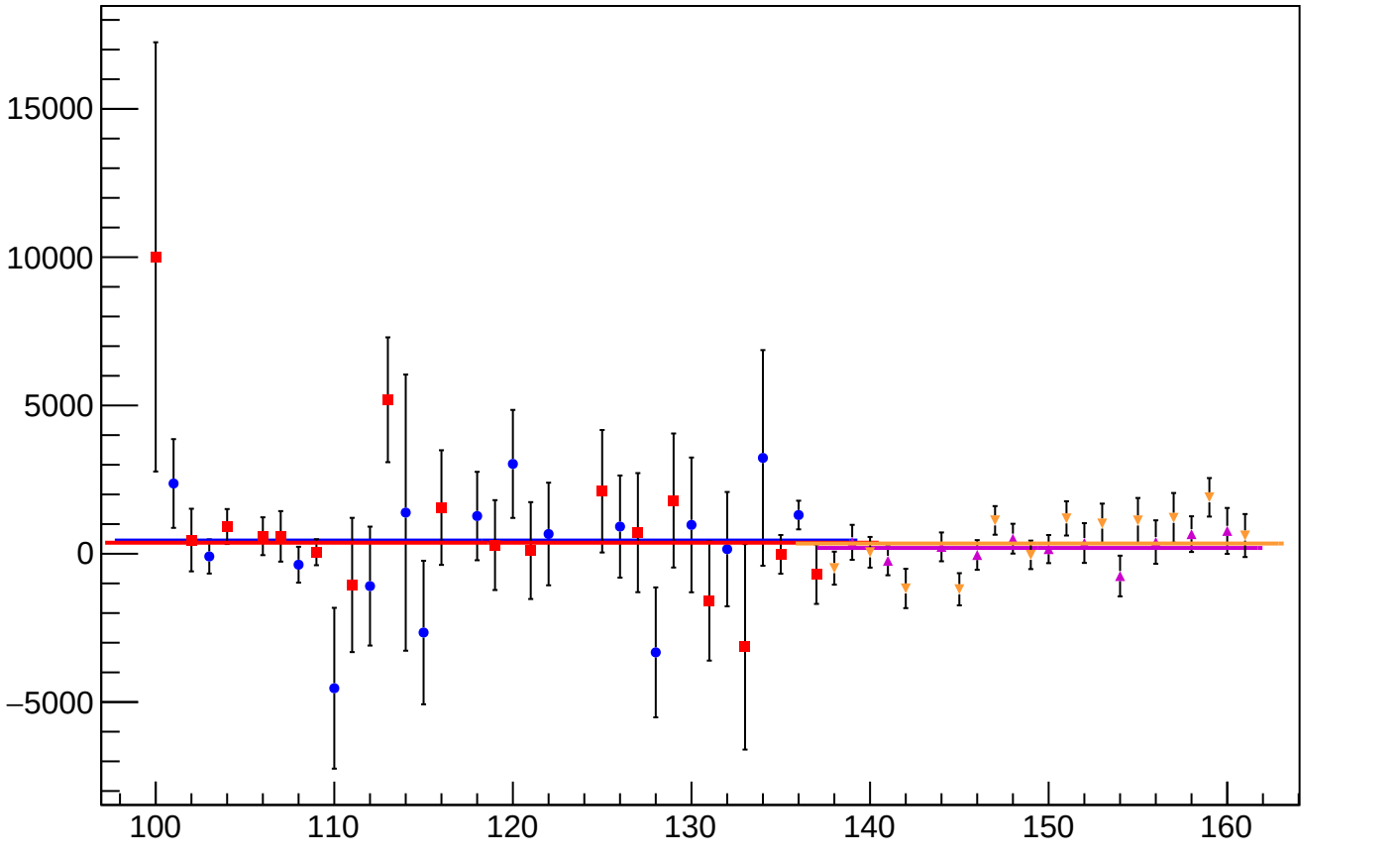
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1612.879+/-0.370 χ^2/NDF:68747.4/10

+ sign 1518.703+/-0.265 χ^2/NDF: 760821.8/27

All: 1514.363+/-0.187 χ^2/NDF: 1347030.5/56

- sign 1510.069+/-0.264 χ^2/NDF: 585676.2/28



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 345.216+/-171.751 χ^2/NDF:30.3/11

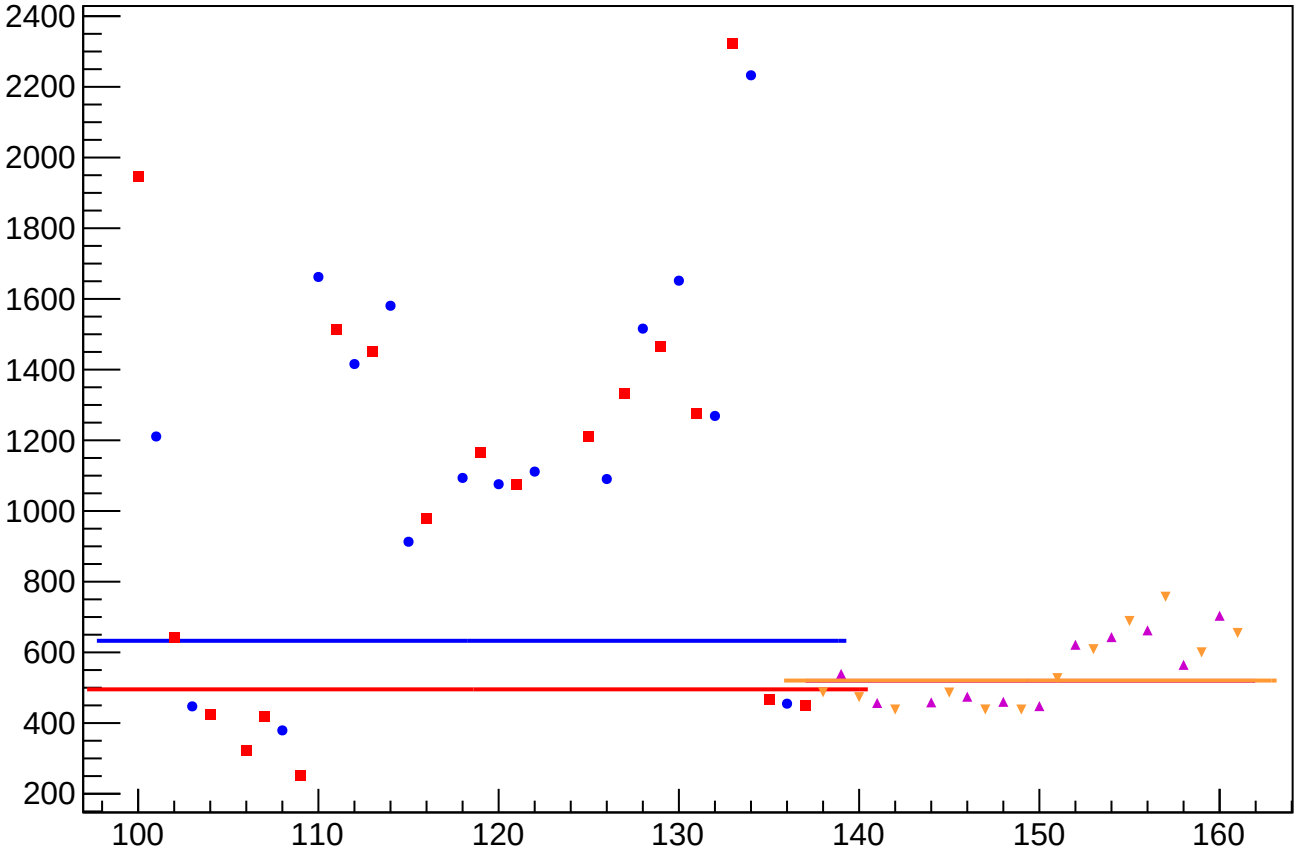
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 194.846+/-170.591 χ^2/NDF:4.7/10

+ sign 373.289+/-145.635 χ^2/NDF: 49.5/27

All: 311.950+/-99.903 χ^2/NDF: 69.0/56

- sign 257.430+/-137.301 χ^2/NDF: 19.1/28



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 520.272+/-0.121 χ^2/NDF:570636.8/11

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

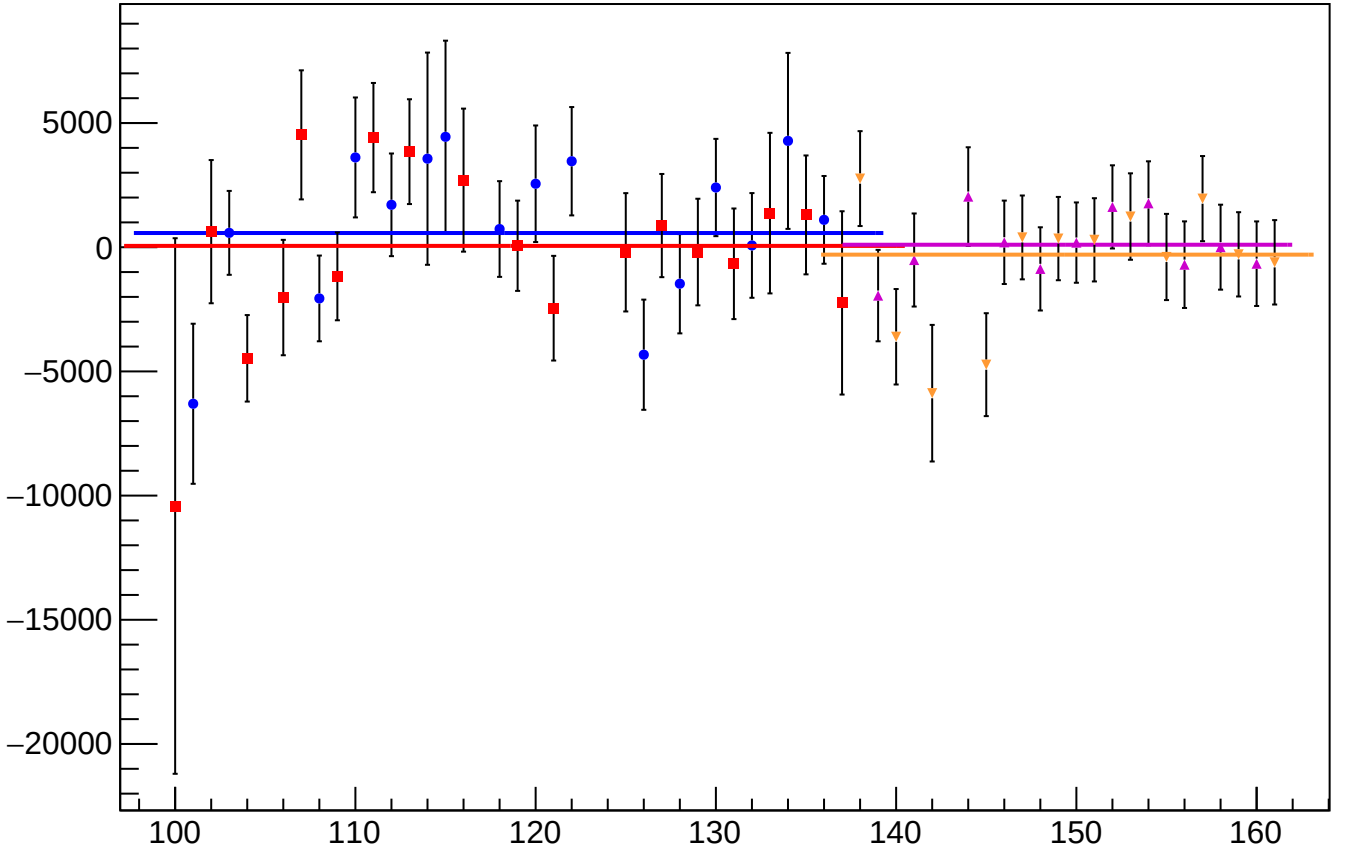
Left In: 519.298+/-0.121 χ^2/NDF:468145.6/10

+ sign 551.878+/-0.103 χ^2/NDF: 4579405.8/27

All: 530.170+/-0.071 χ^2/NDF: 9482823.0/56

- sign 510.874+/-0.097 χ^2/NDF: 4819478.3/28

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -298.630+/-522.083 χ^2/NDF:17.2/11

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

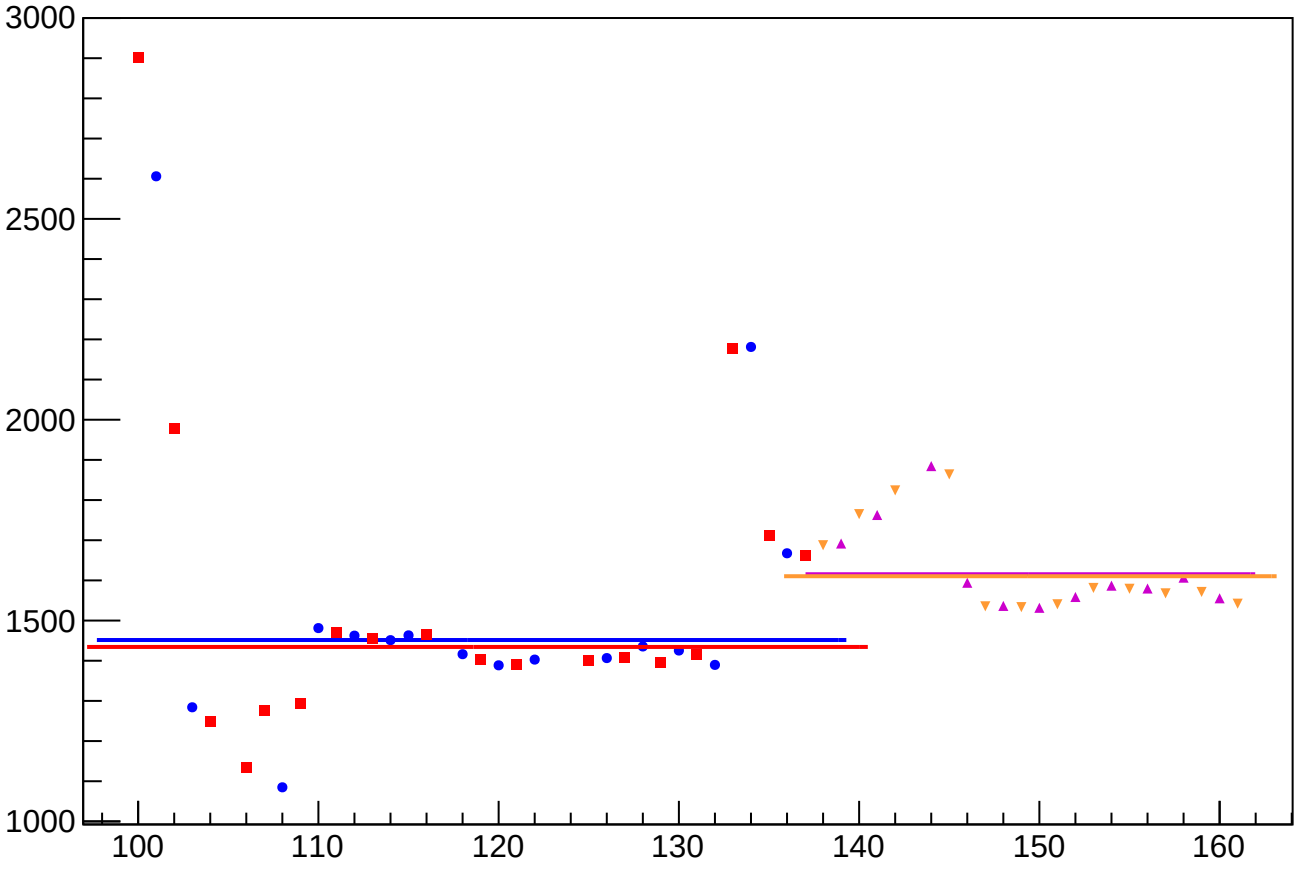
Left In: 100.143+/-523.453 χ^2/NDF:4.9/10

+ sign 114.452+/-378.535 χ^2/NDF: 39.3/27

All: 96.132+/-267.348 χ^2/NDF: 66.7/56

- sign 77.899+/-377.642 χ^2/NDF: 27.4/28

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1610.377+/-0.369 χ^2/NDF:76606.7/11

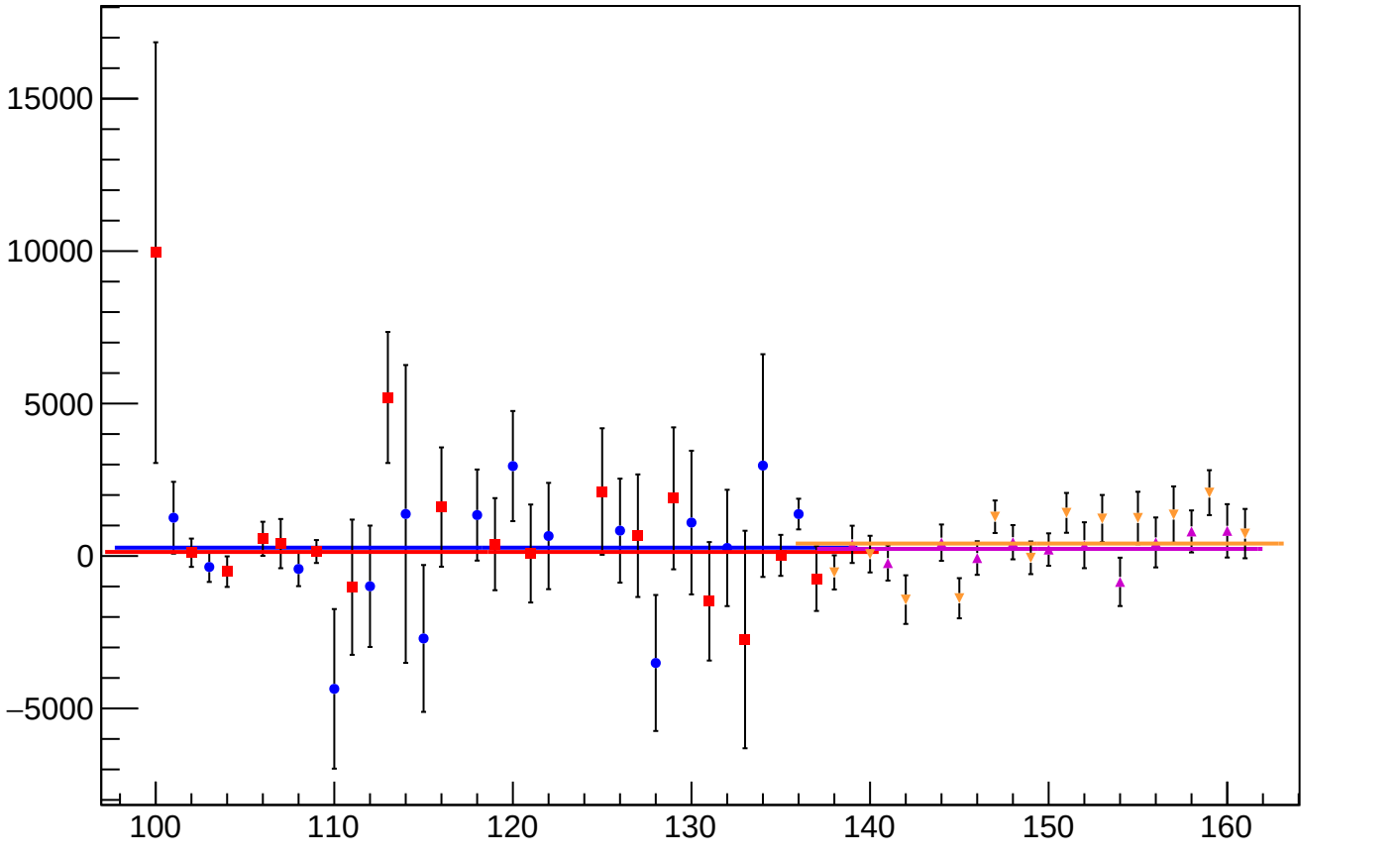
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1615.324+/-0.370 χ^2/NDF:68886.4/10

+ sign 1535.058+/-0.268 χ^2/NDF: 652203.5/27

All: 1531.786+/-0.189 χ^2/NDF: 1164649.4/56

- sign 1528.530+/-0.267 χ^2/NDF: 512147.7/28



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 408.573+/-193.436 χ^2/NDF:30.2/11

Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

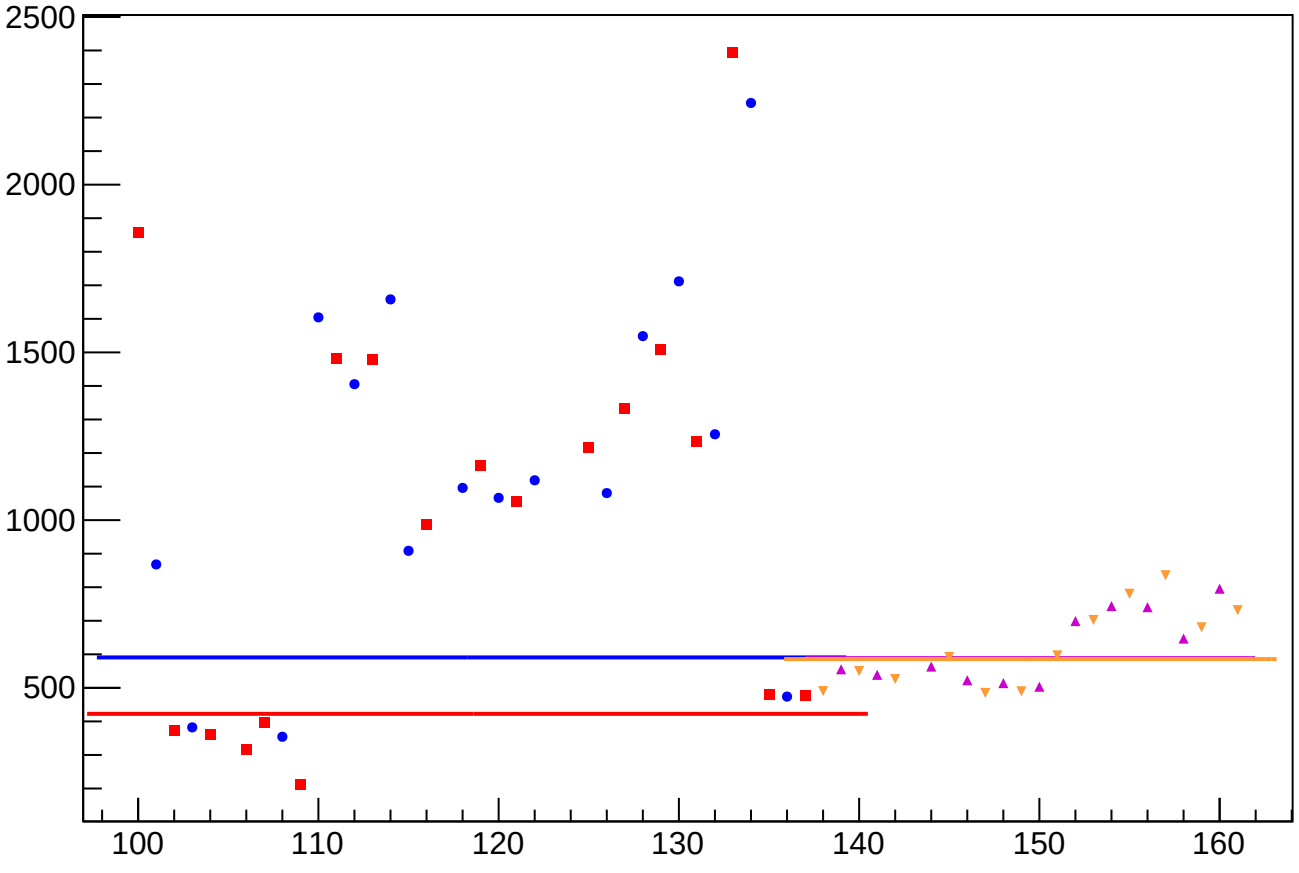
Left In: 232.678+/-193.283 χ^2/NDF:4.4/10

+ sign 360.553+/-155.310 χ^2/NDF: 50.6/27

All: 261.252+/-102.992 χ^2/NDF: 70.2/56

- sign 183.307+/-137.599 χ^2/NDF: 18.9/28

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 585.805+/-0.137 χ^2/NDF:604520.3/11

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

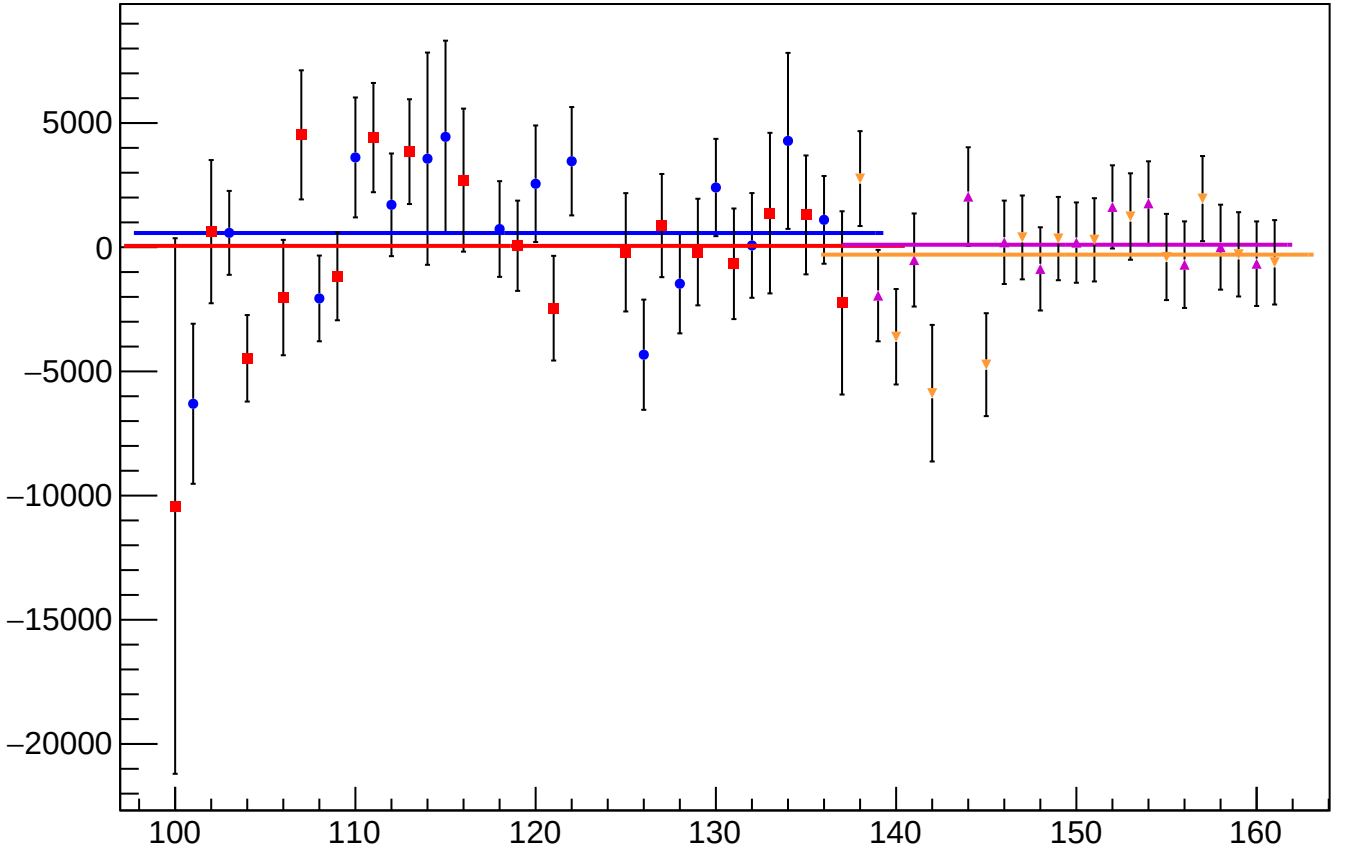
Left In: 588.580+/-0.137 χ^2/NDF:454133.0/10

+ sign 587.562+/-0.110 χ^2/NDF: 4490486.7/27

All: 542.279+/-0.073 χ^2/NDF: 10833252.4/56

- sign 506.734+/-0.097 χ^2/NDF: 6039285.1/28

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -298.638+/-522.083 χ^2/NDF:17.2/11

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

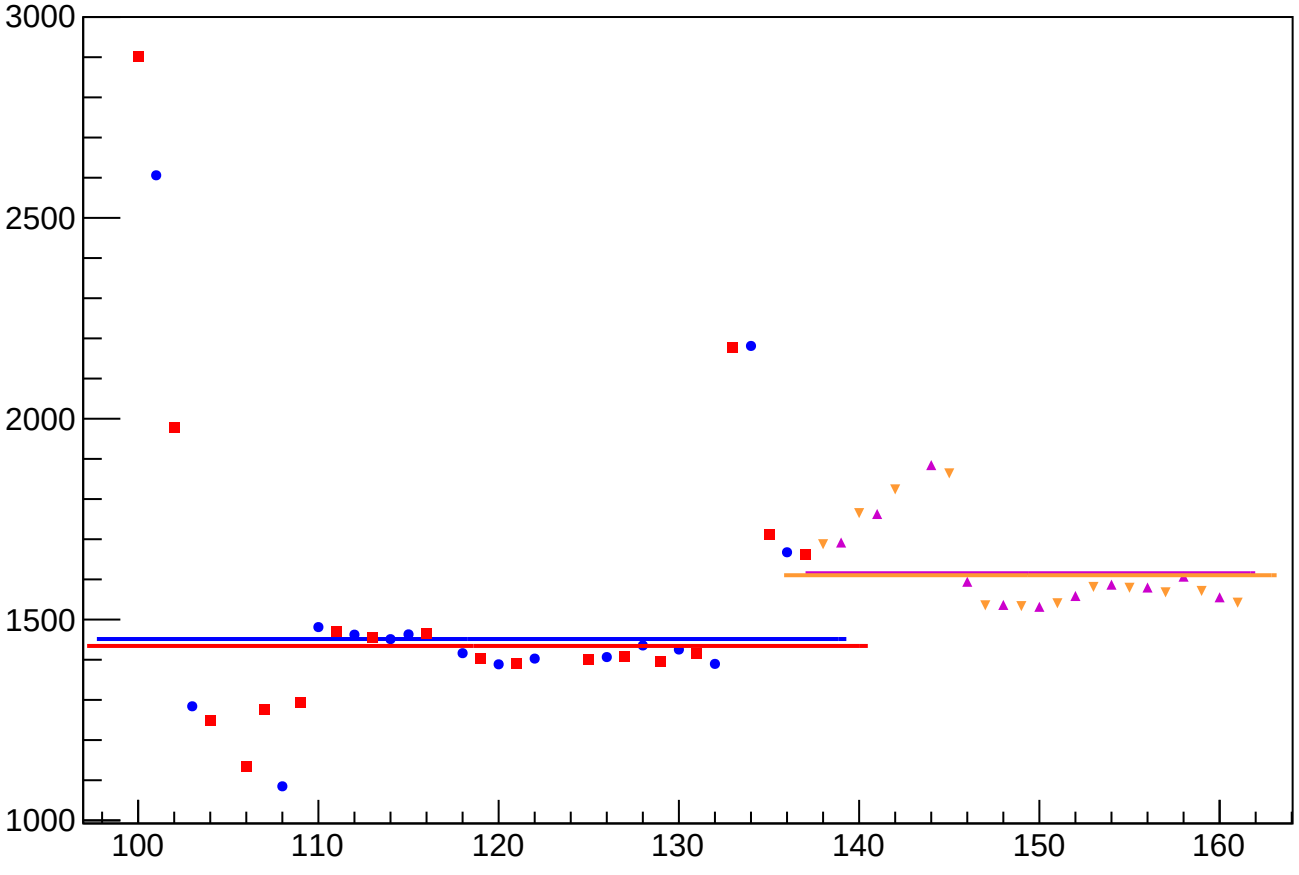
Left In: 100.144+/-523.453 χ^2/NDF:4.9/10

+ sign 114.448+/-378.535 χ^2/NDF: 39.3/27

All: 96.130+/-267.348 χ^2/NDF: 66.7/56

- sign 77.898+/-377.642 χ^2/NDF: 27.4/28

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1610.377+/-0.369 χ^2/NDF:76606.8/11

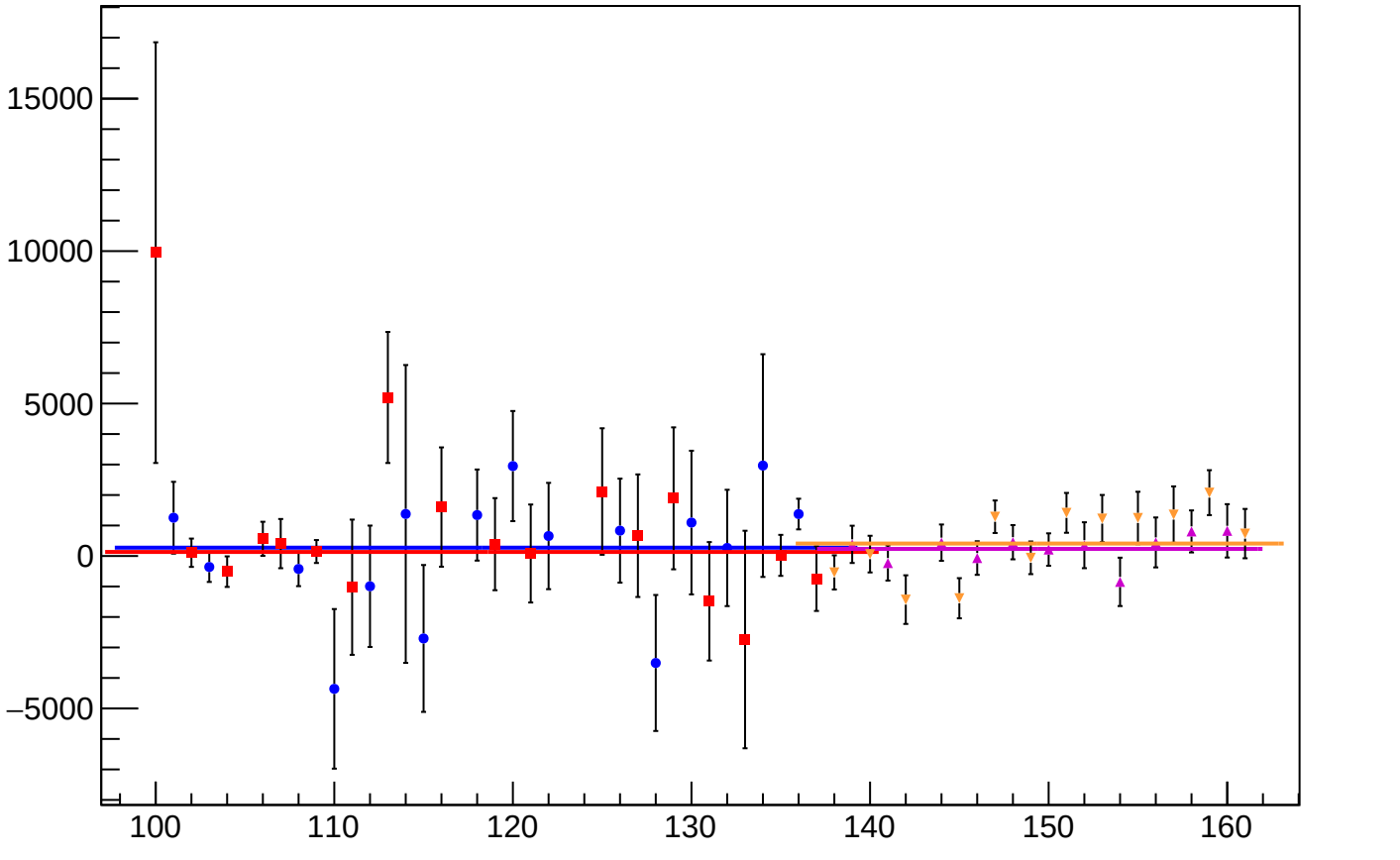
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1615.324+/-0.370 χ^2/NDF:68886.5/10

+ sign 1535.058+/-0.268 χ^2/NDF: 652203.3/27

All: 1531.786+/-0.189 χ^2/NDF: 1164649.5/56

- sign 1528.530+/-0.267 χ^2/NDF: 512148.1/28



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 408.582+/-193.438 χ^2/NDF:30.2/11

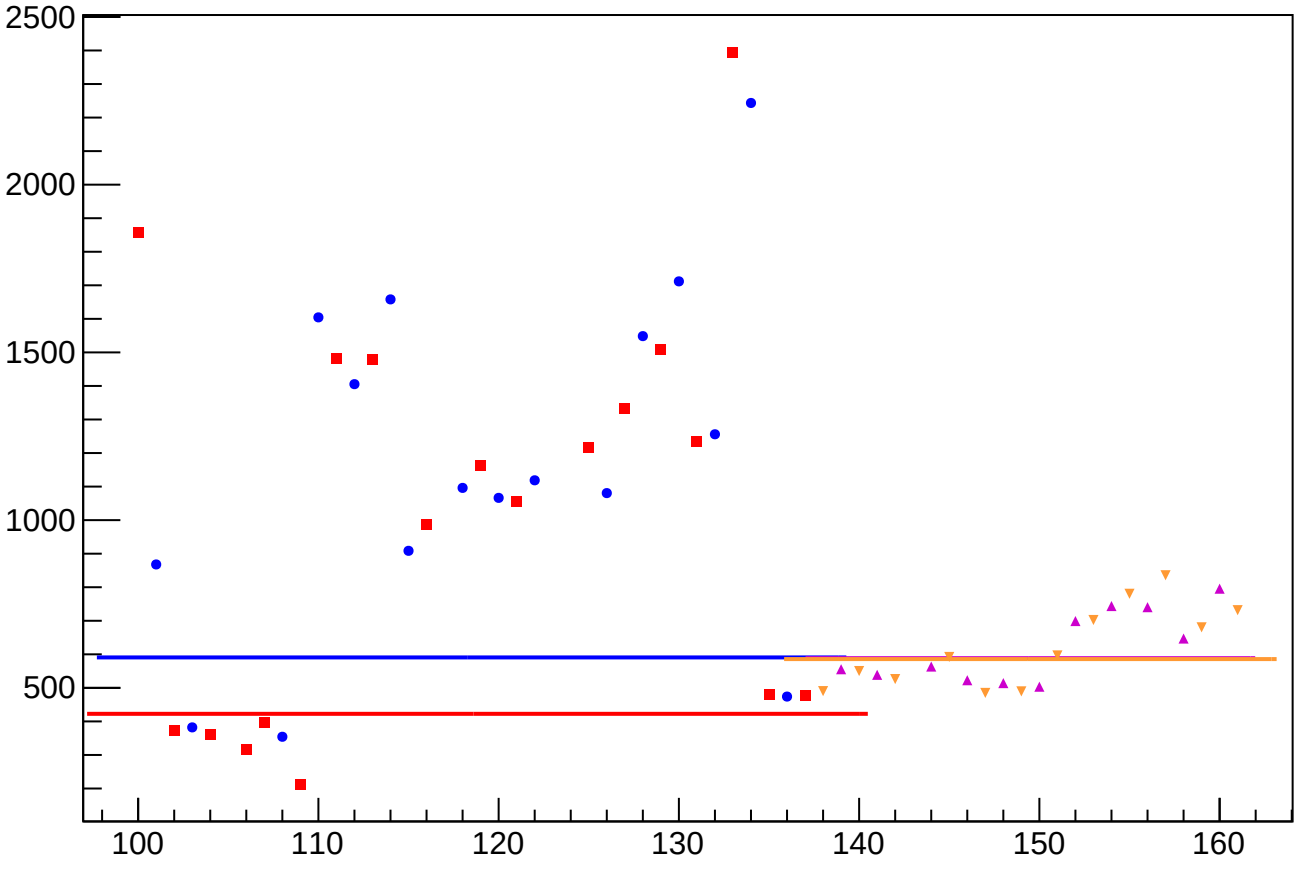
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 232.681+/-193.284 χ^2/NDF:4.4/10

+ sign 360.555+/-155.310 χ^2/NDF: 50.6/27

All: 261.253+/-102.993 χ^2/NDF: 70.2/56

- sign 183.306+/-137.600 χ^2/NDF: 18.9/28



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 585.809+/-0.137 χ^2/NDF:604511.8/11

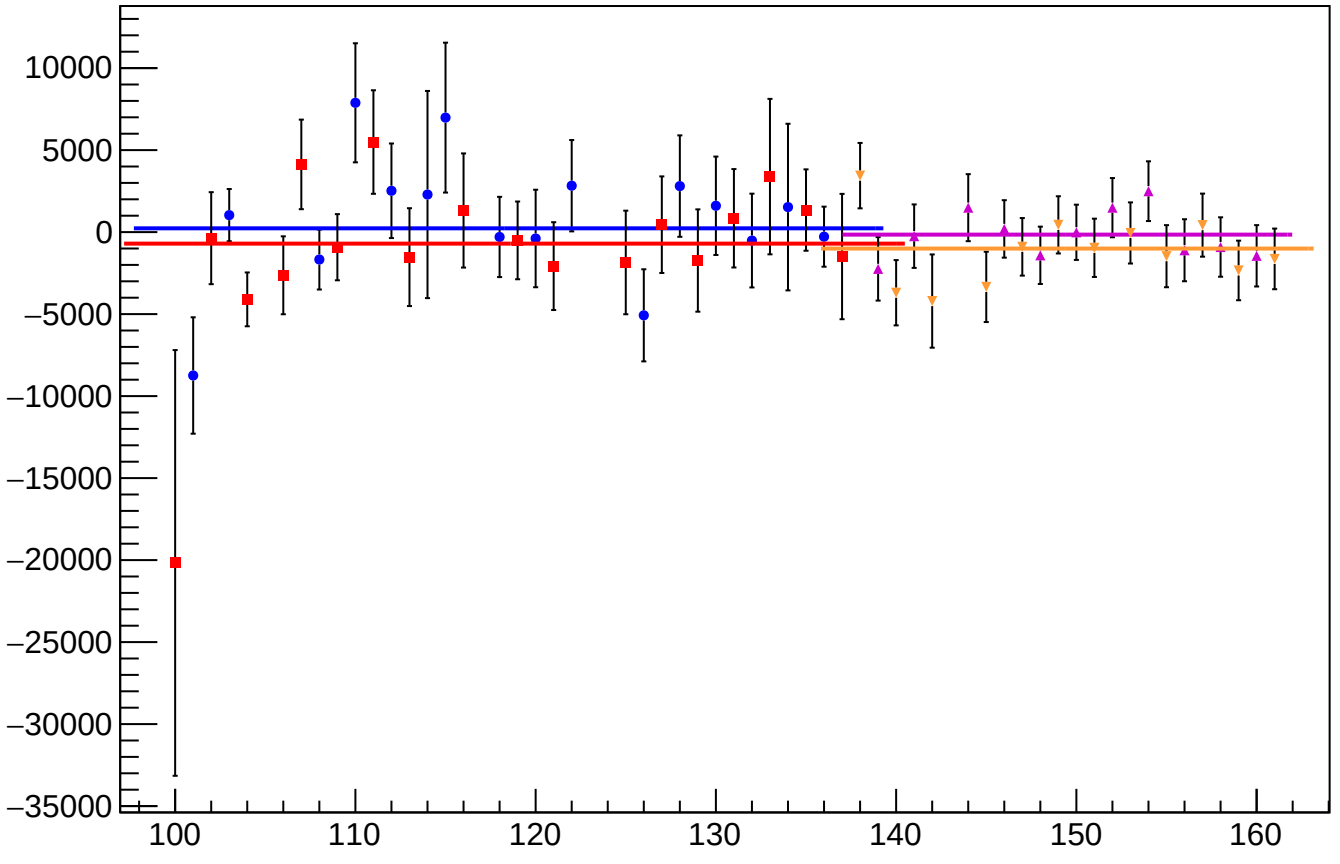
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 588.581+/-0.137 χ^2/NDF:454162.1/10

+ sign 587.564+/-0.110 χ^2/NDF: 4490505.5/27

All: 542.282+/-0.073 χ^2/NDF: 10833157.5/56

- sign 506.738+/-0.097 χ^2/NDF: 6039189.6/28



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -1003.676+/-554.874 χ^2/NDF:11.5/11

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

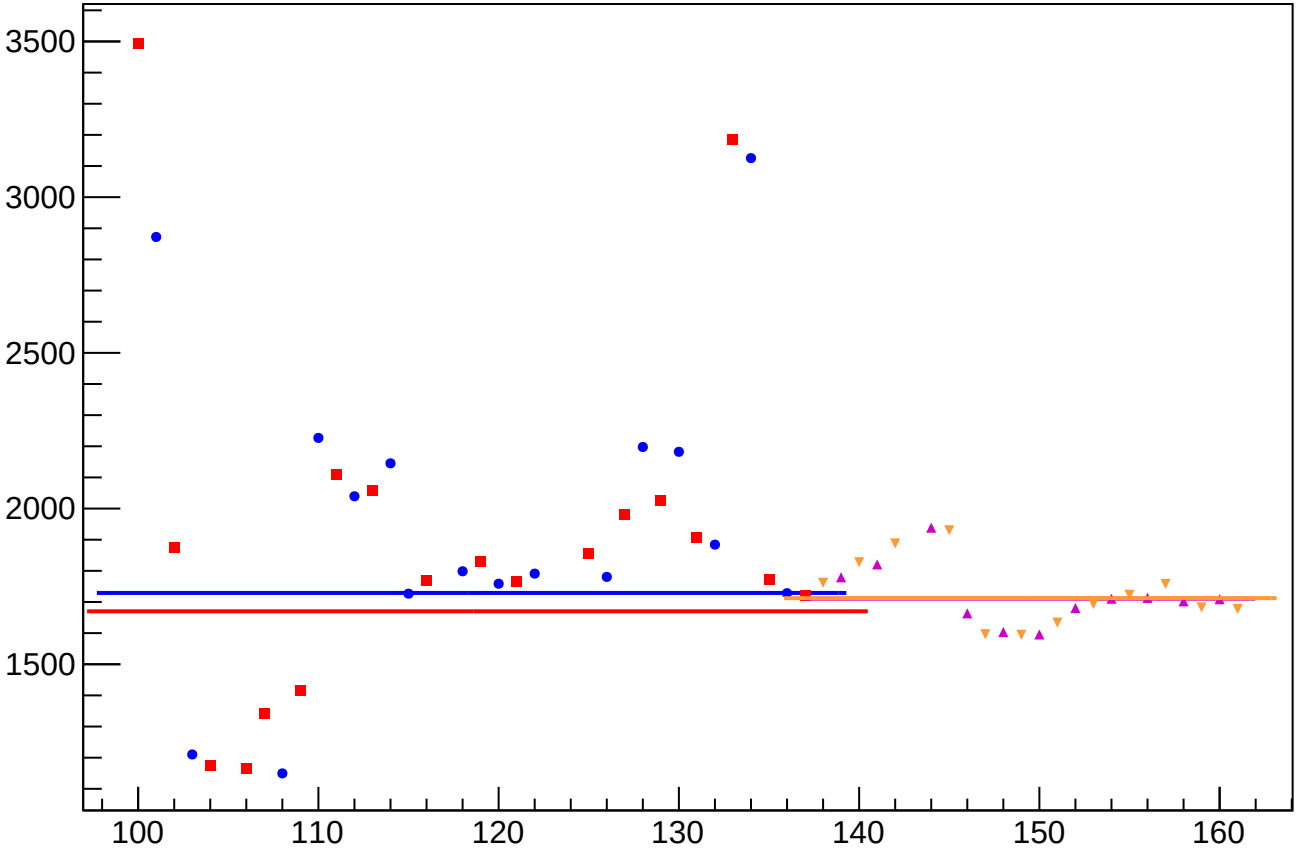
Left In: -153.786+/-554.089 χ^2/NDF:6.2/10

+ sign -498.111+/-426.369 χ^2/NDF: 34.2/27

All: -441.022+/-299.649 χ^2/NDF: 57.9/56

- sign -385.306+/-421.213 χ^2/NDF: 23.7/28

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1712.348+/-0.392 χ^2/NDF:60594.4/11

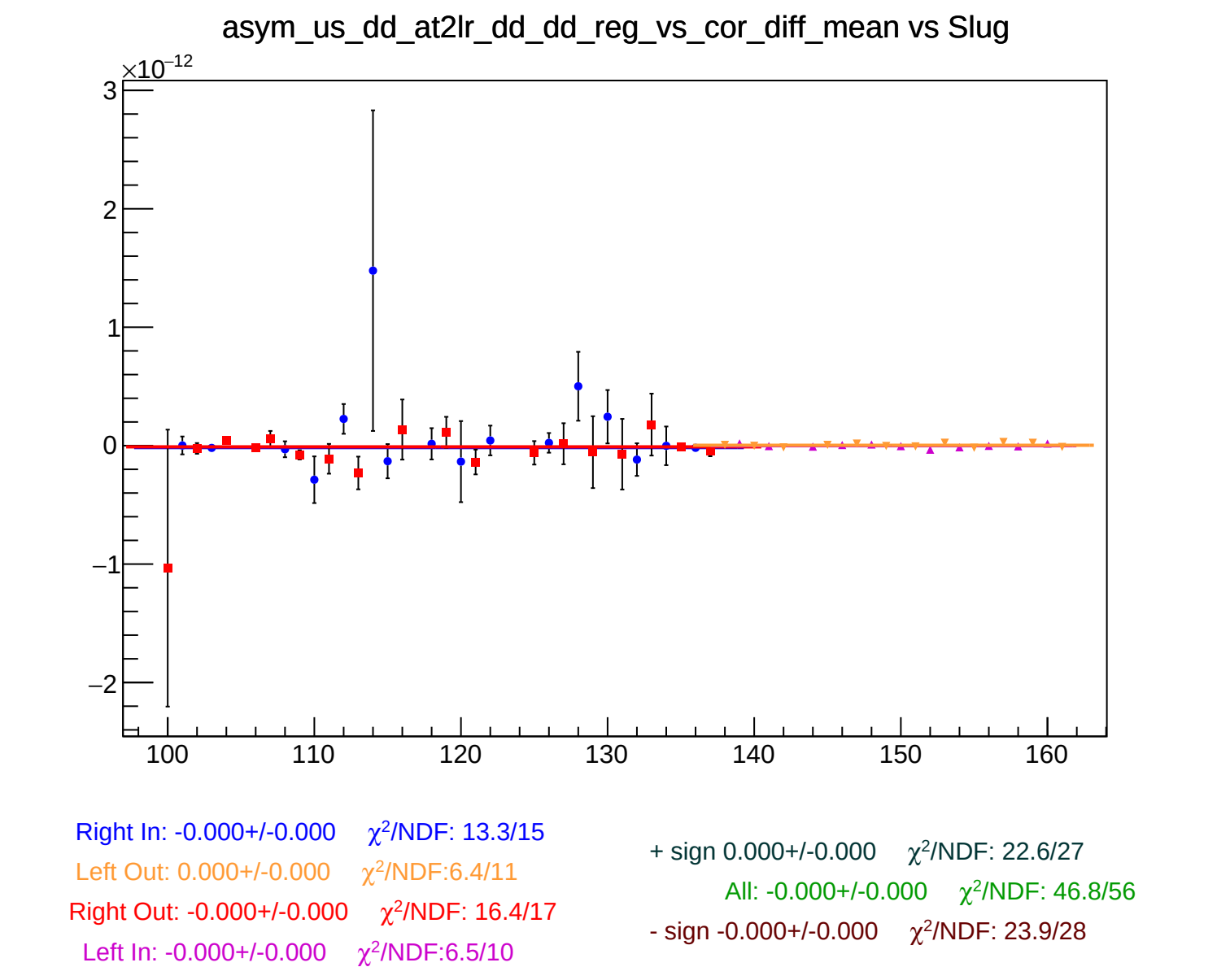
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

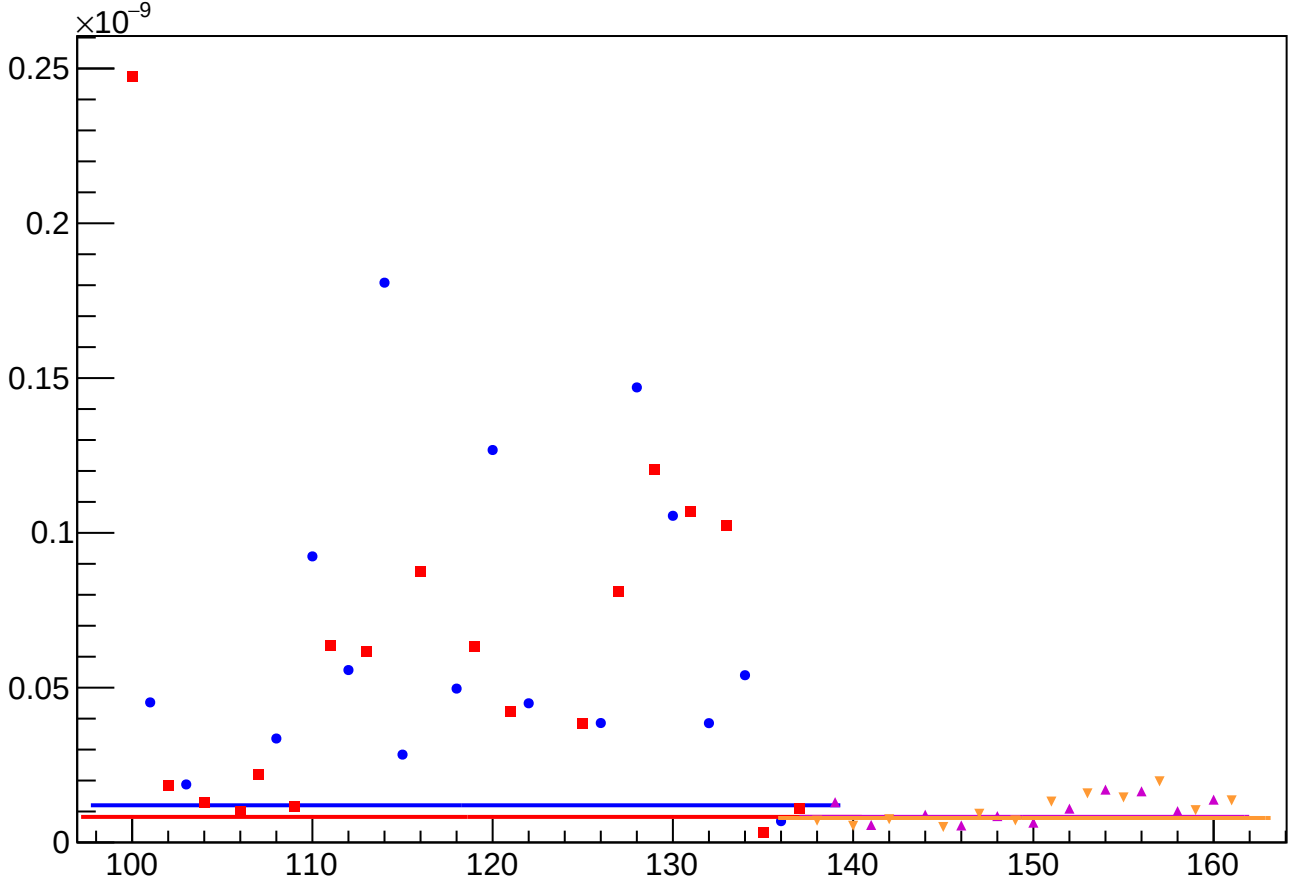
Left In: 1710.582+/-0.392 χ^2/NDF:52776.6/10

+ sign 1719.188+/-0.301 χ^2/NDF: 1003415.6/27

All: 1706.175+/-0.212 χ^2/NDF: 1808841.4/56

- sign 1693.476+/-0.298 χ^2/NDF: 801744.7/28


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
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:6.4/11
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:6.5/10
+ sign 0.000+/-0.000 χ²/NDF: 22.6/27
All: -0.000+/-0.000 χ²/NDF: 46.8/56
- sign -0.000+/-0.000 χ²/NDF: 23.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1246826.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

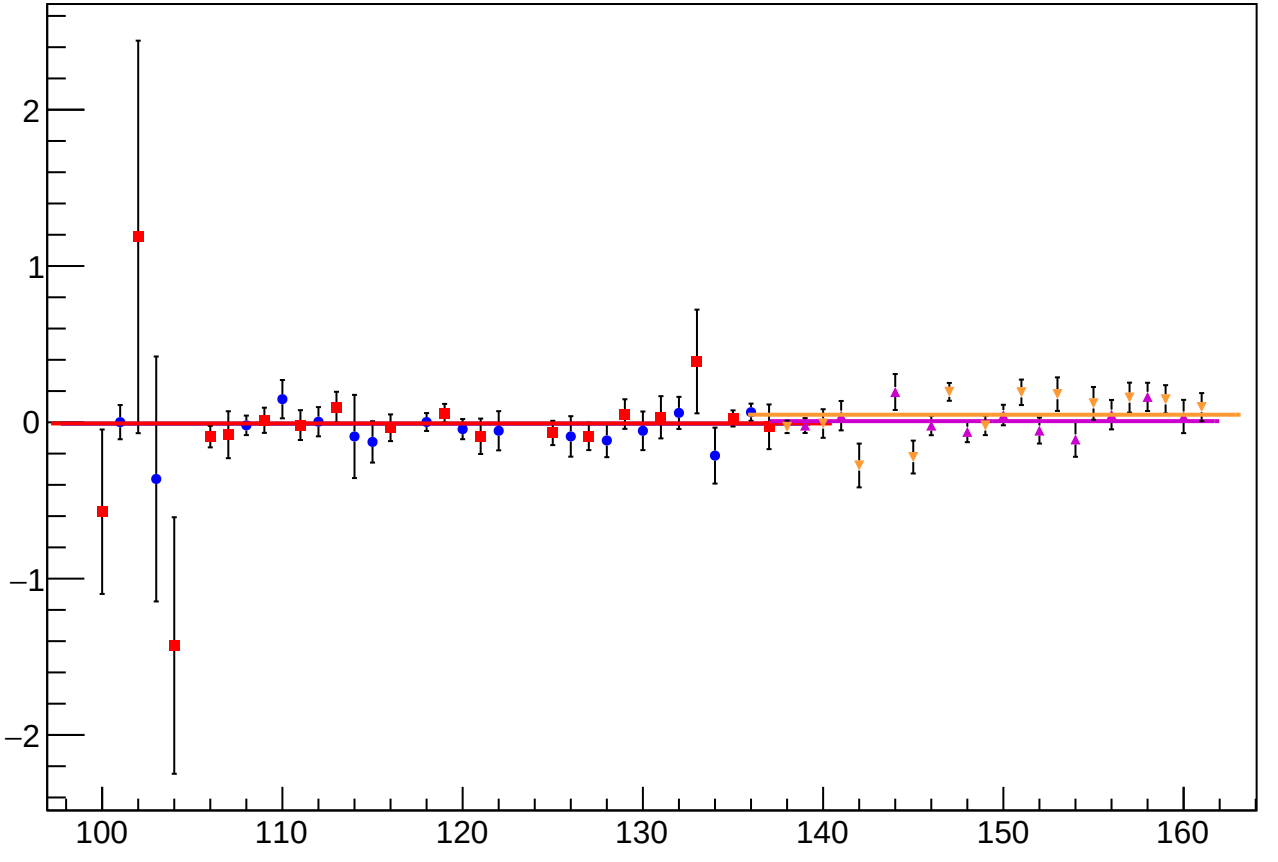
Left In: 0.000+/-0.000 χ^2/NDF:1016530.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 4943368.8/27

All: 0.000+/-0.000 χ^2/NDF: 9474540.3/56

- sign 0.000+/-0.000 χ^2/NDF: 4526666.8/28

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.049+/-0.022 χ^2/NDF:31.8/11

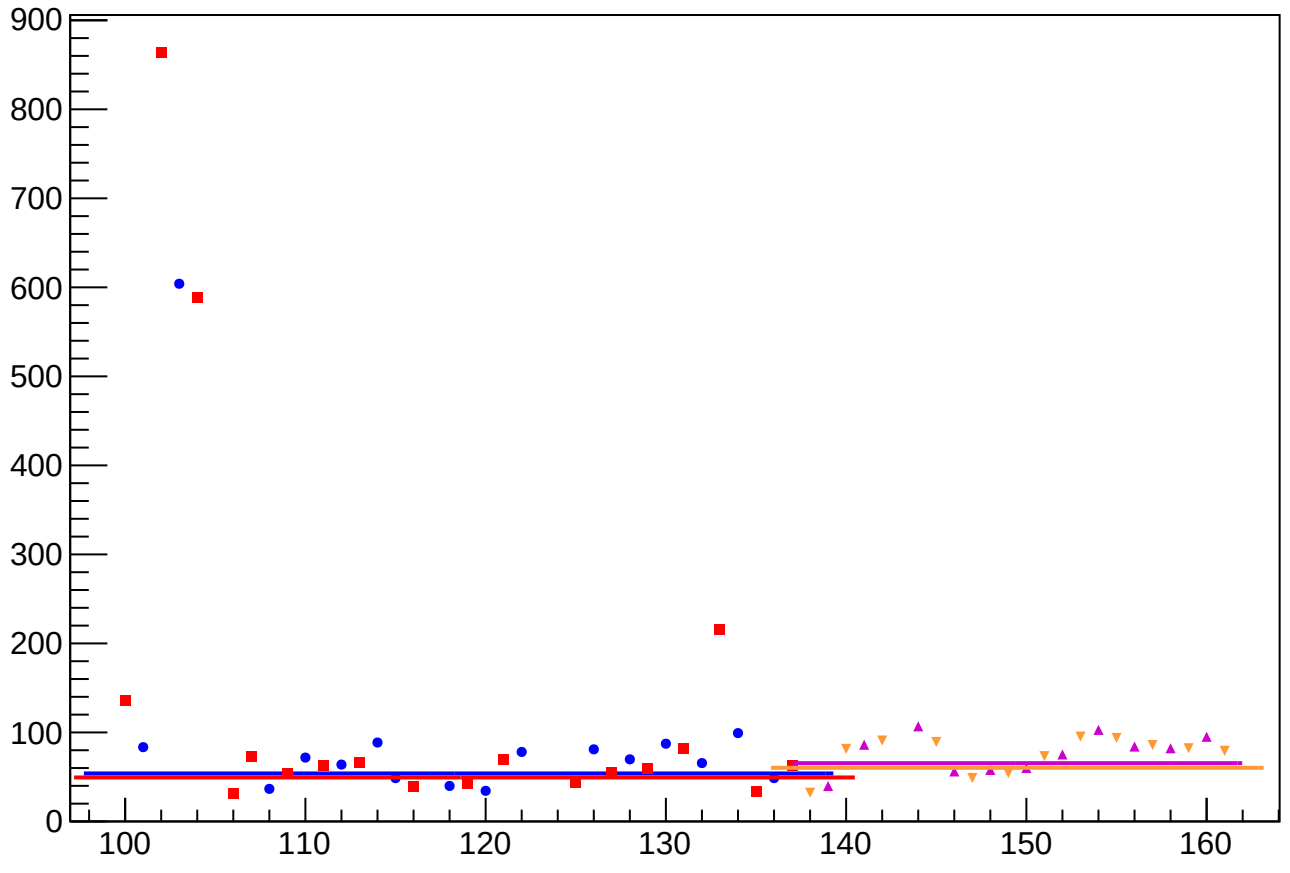
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.023 χ^2/NDF:9.6/10

+ sign 0.022+/-0.016 χ^2/NDF: 43.4/27

All: 0.011+/-0.011 χ^2/NDF: 67.8/56

- sign 0.000+/-0.016 χ^2/NDF: 23.5/28



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 60.261+/-0.015 χ^2/NDF:2258374.4/11

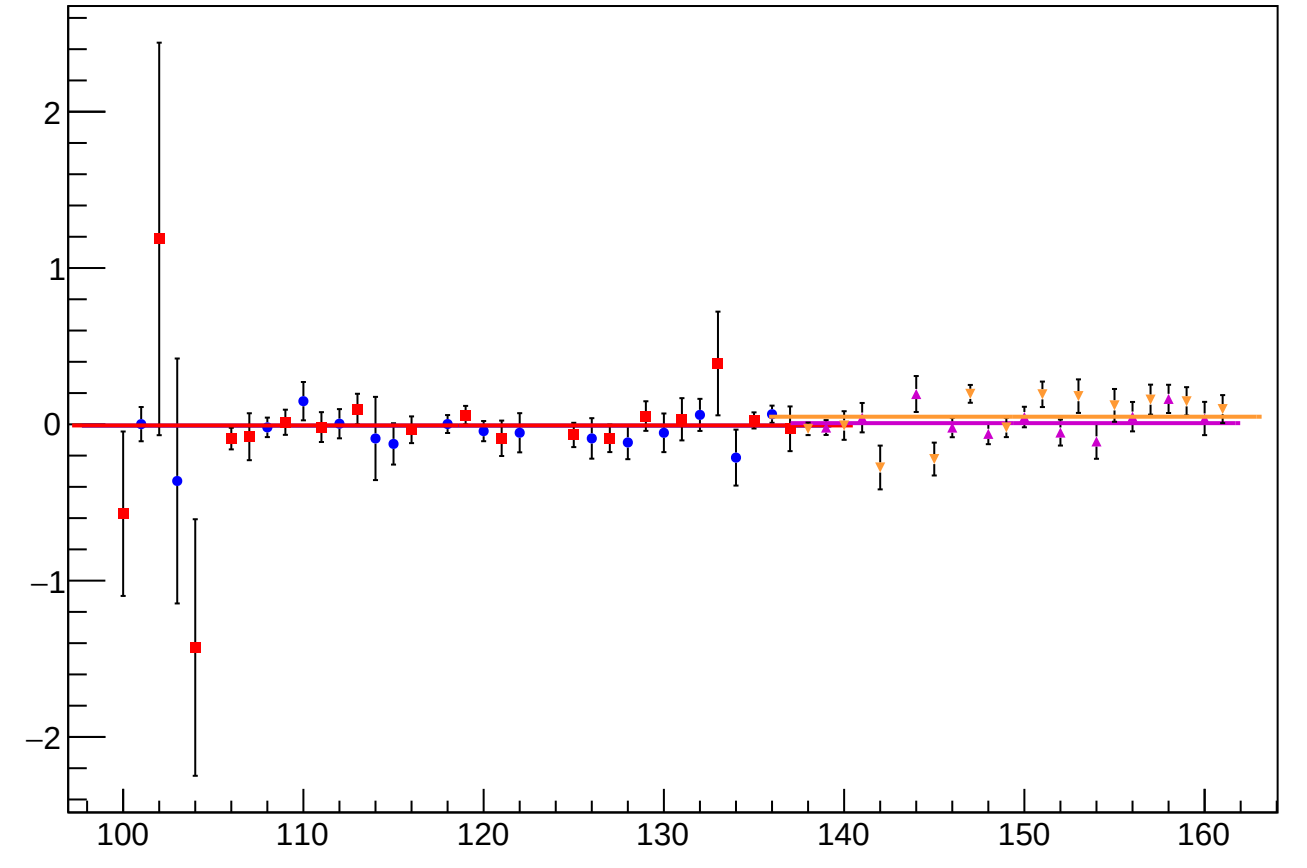
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 65.476+/-0.016 χ^2/NDF:1579688.9/10

+ sign 57.304+/-0.011 χ^2/NDF: 4552873.7/27

All: 57.248+/-0.008 χ^2/NDF: 9655627.7/56

- sign 57.191+/-0.011 χ^2/NDF: 5102703.2/28



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.049+/-0.022 χ^2/NDF:31.8/11

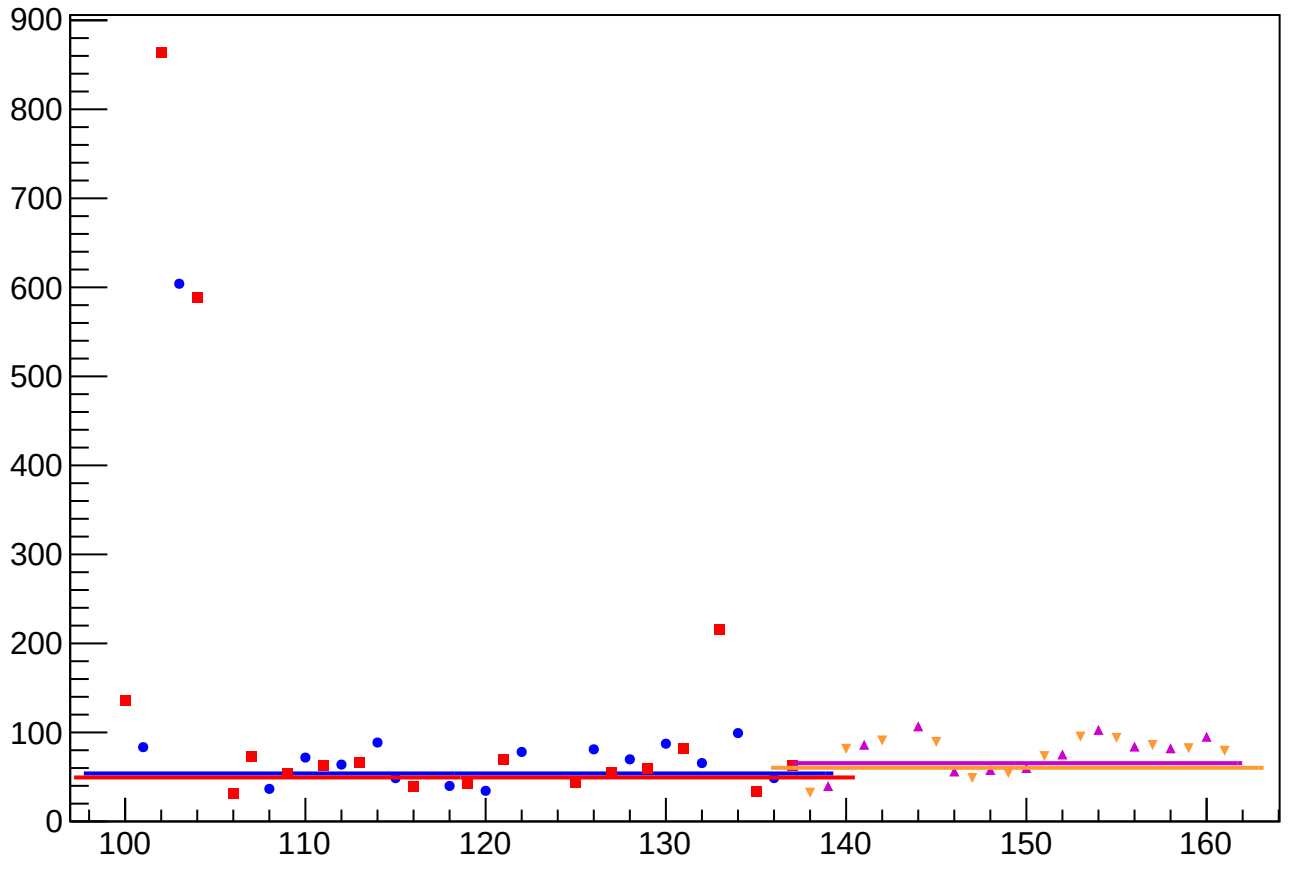
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.023 χ^2/NDF:9.6/10

+ sign 0.022+/-0.016 χ^2/NDF: 43.4/27

All: 0.011+/-0.011 χ^2/NDF: 67.8/56

- sign 0.000+/-0.016 χ^2/NDF: 23.5/28



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 60.261+/-0.015 χ^2/NDF:2258374.4/11

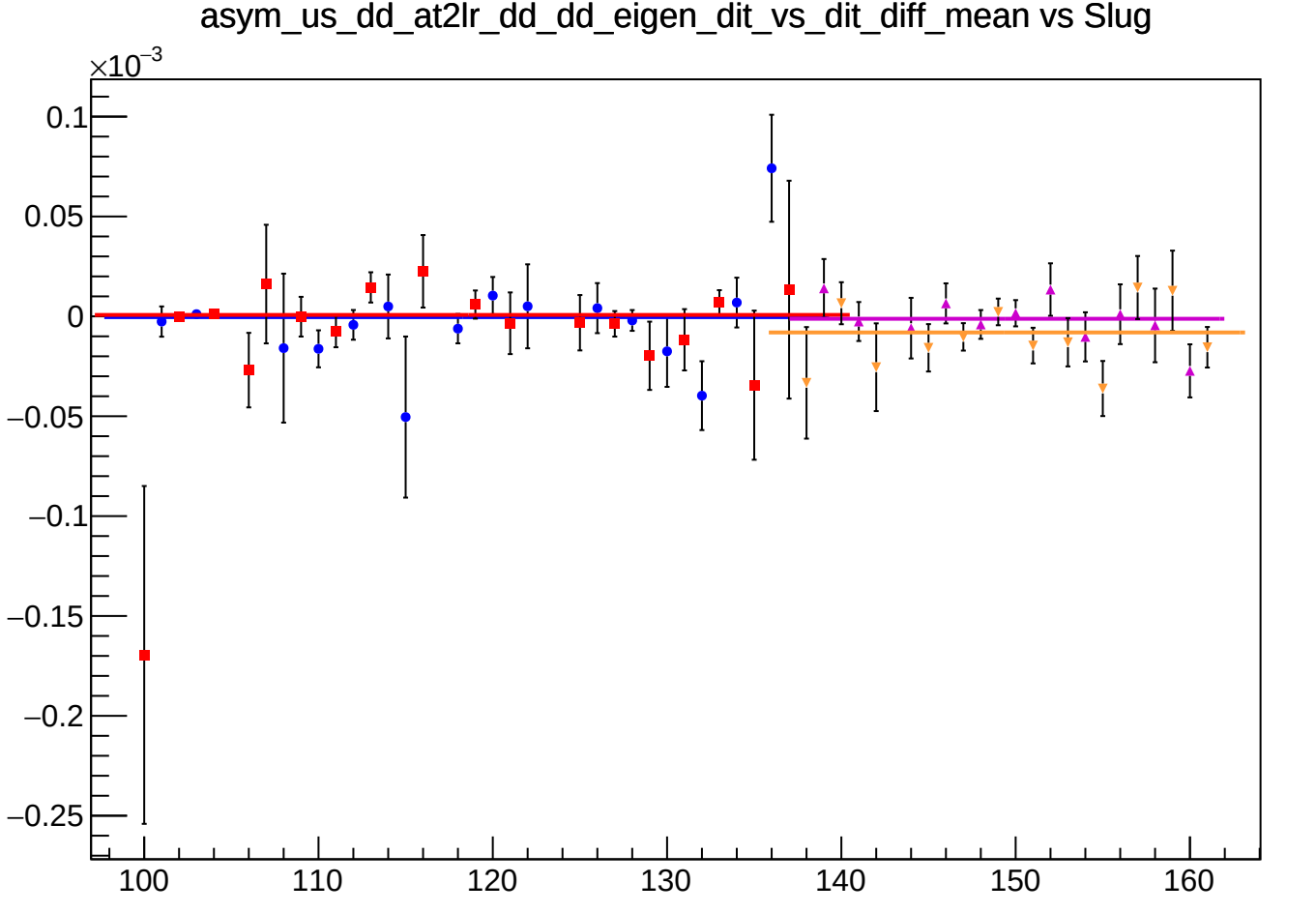
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 65.476+/-0.016 χ^2/NDF:1579688.9/10

+ sign 57.304+/-0.011 χ^2/NDF: 4552873.7/27

All: 57.248+/-0.008 χ^2/NDF: 9655627.7/56

- sign 57.191+/-0.011 χ^2/NDF: 5102703.2/28



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.8/11

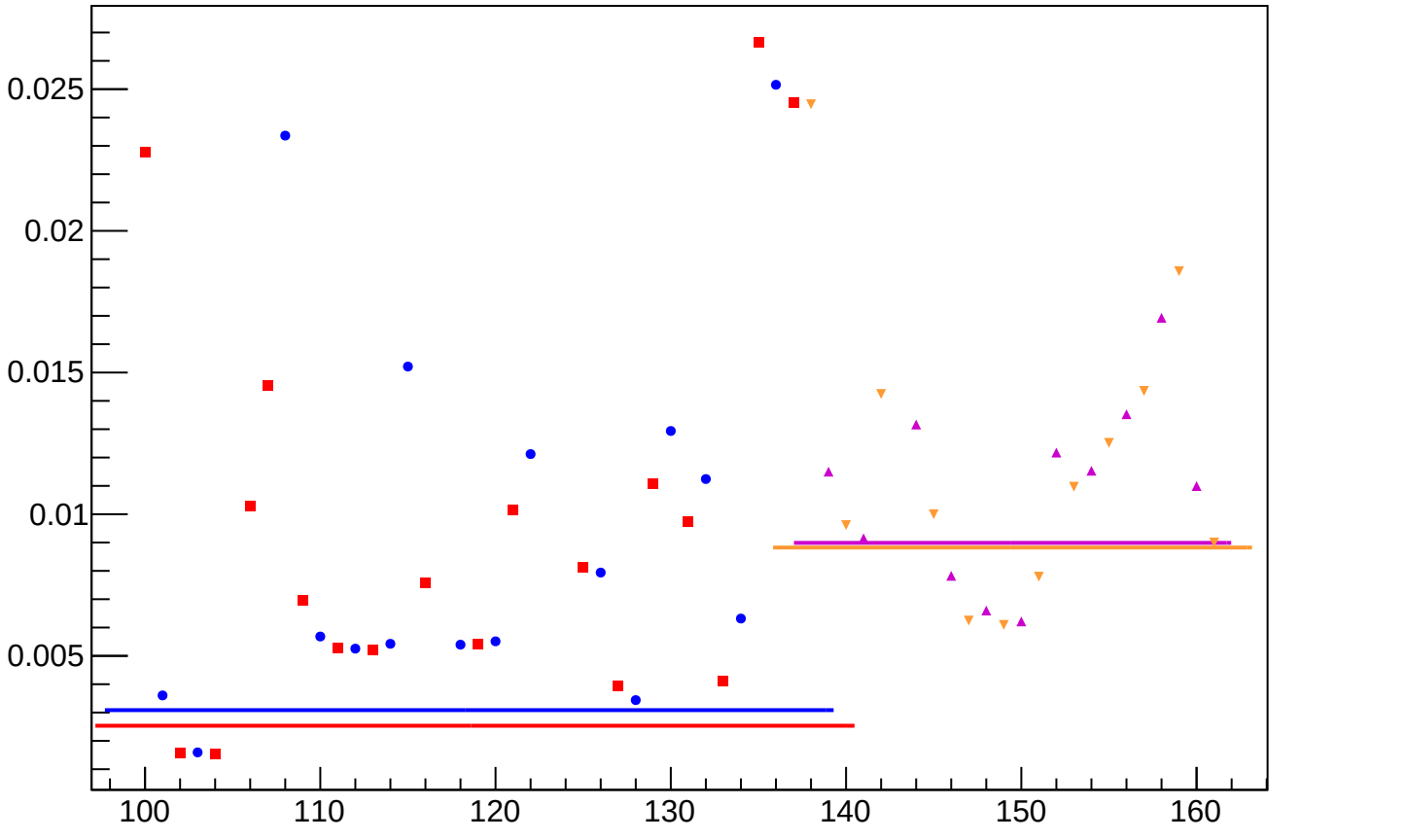
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:7.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/27

All: -0.000+/-0.000 χ^2/NDF: 69.4/56

- sign 0.000+/-0.000 χ^2/NDF: 25.9/28



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2347495.0/11

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

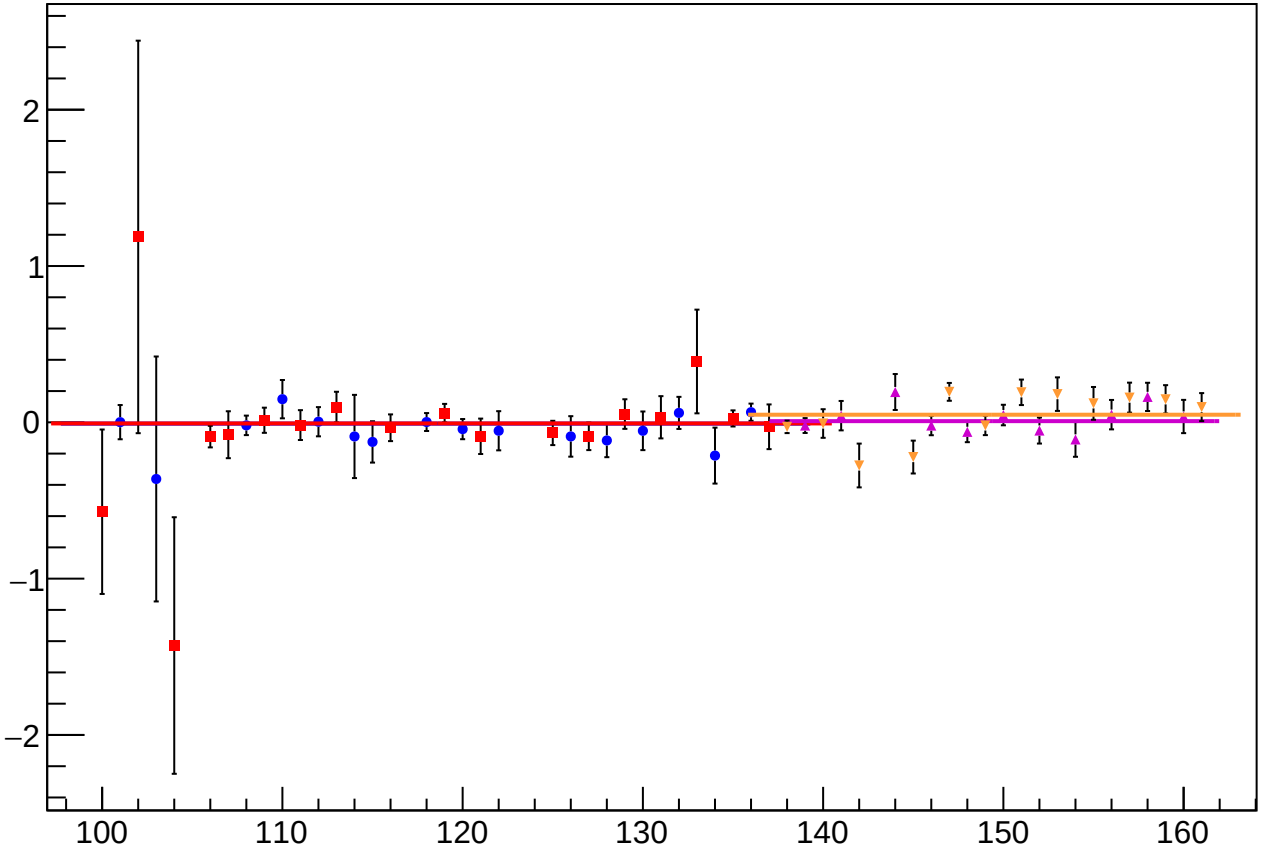
Left In: 0.009+/-0.000 χ^2/NDF:1616729.1/10

+ sign 0.004+/-0.000 χ^2/NDF: 13507828.0/27

All: 0.004+/-0.000 χ^2/NDF: 28844795.9/56

- sign 0.003+/-0.000 χ^2/NDF: 14860209.4/28

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.049+/-0.022 χ^2/NDF:31.8/11

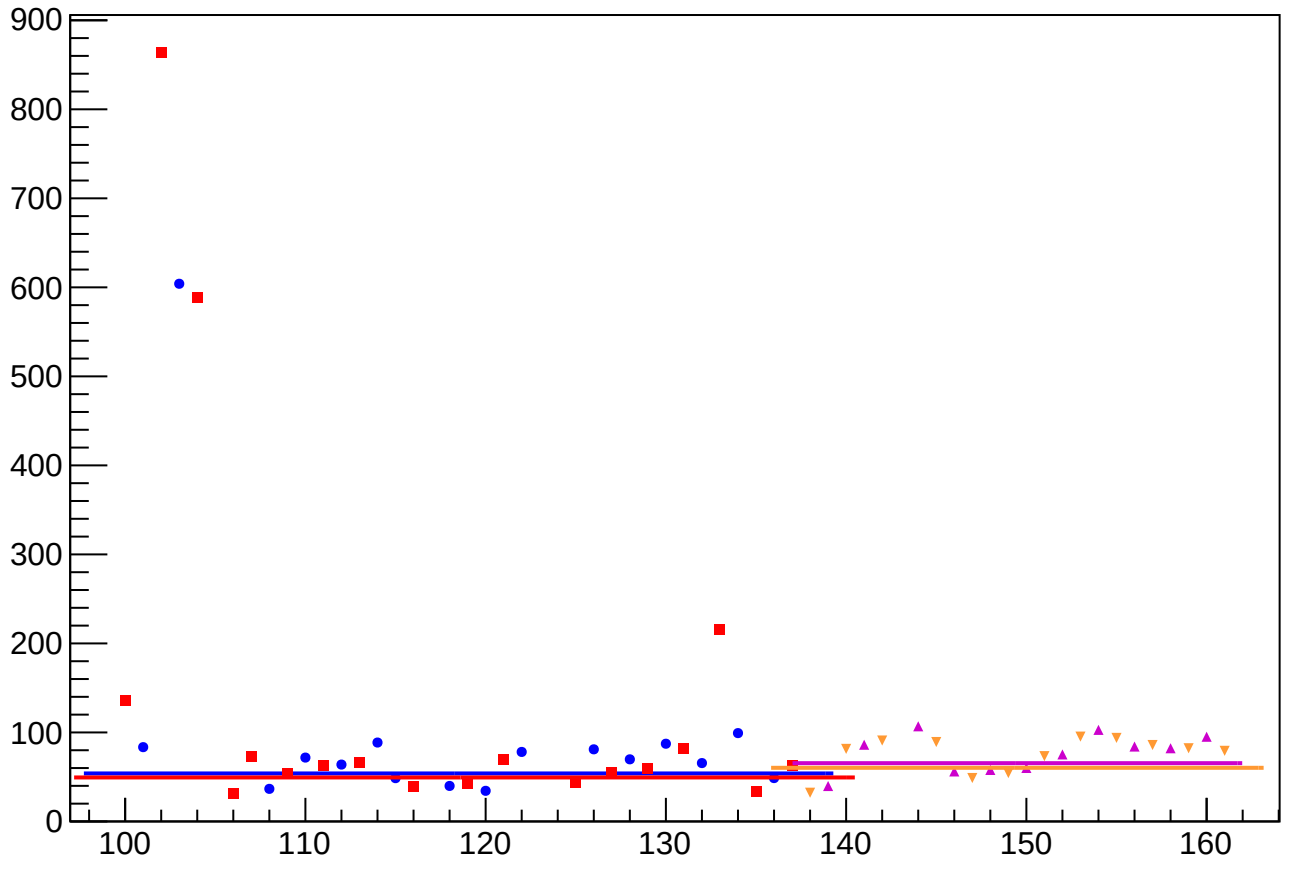
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.023 χ^2/NDF:9.6/10

+ sign 0.022+/-0.016 χ^2/NDF: 43.4/27

All: 0.011+/-0.011 χ^2/NDF: 67.8/56

- sign 0.000+/-0.016 χ^2/NDF: 23.5/28



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 60.265+/-0.015 χ^2/NDF:2257614.8/11

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

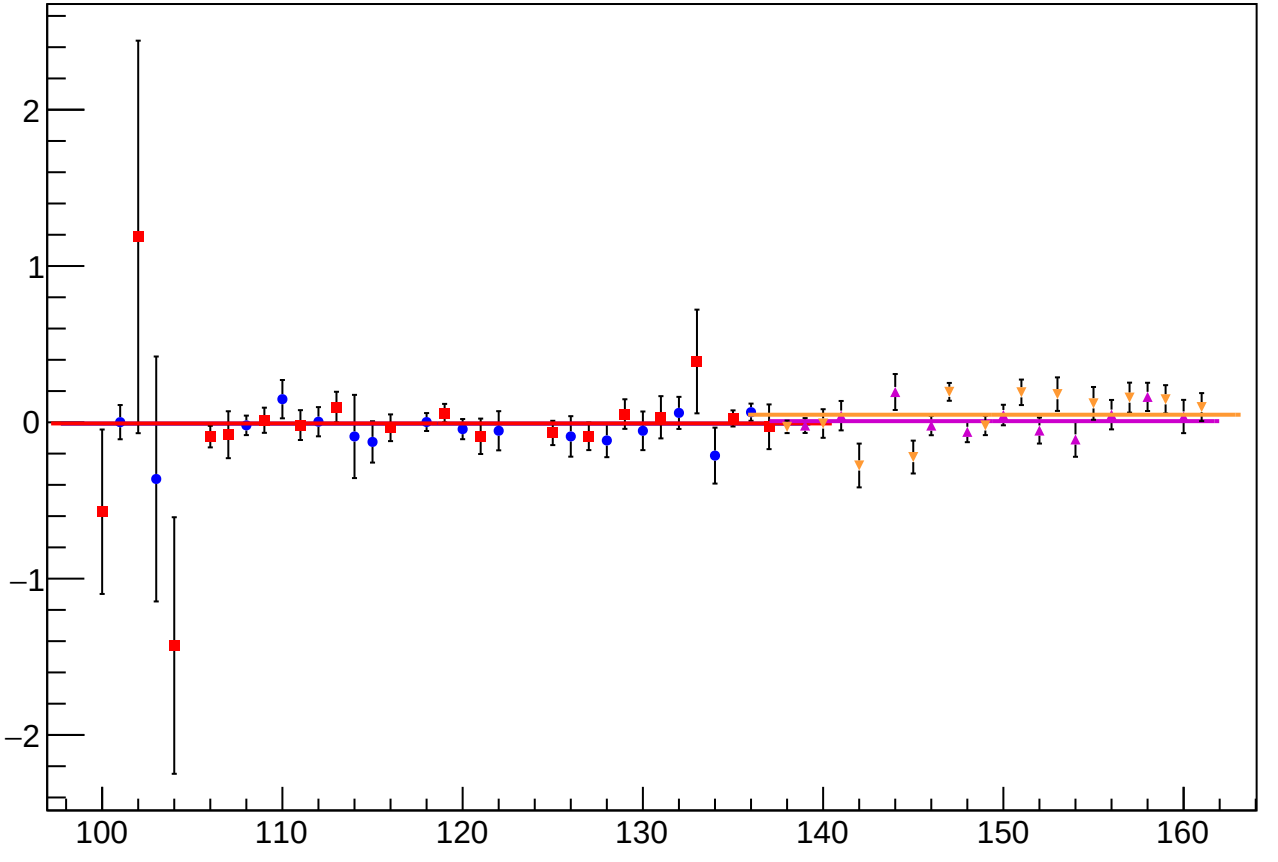
Left In: 65.476+/-0.016 χ^2/NDF:1579898.1/10

+ sign 57.308+/-0.011 χ^2/NDF: 4551721.3/27

All: 57.251+/-0.008 χ^2/NDF: 9654238.6/56

- sign 57.192+/-0.011 χ^2/NDF: 5102464.0/28

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: 0.049+/-0.022 χ^2/NDF:31.8/11

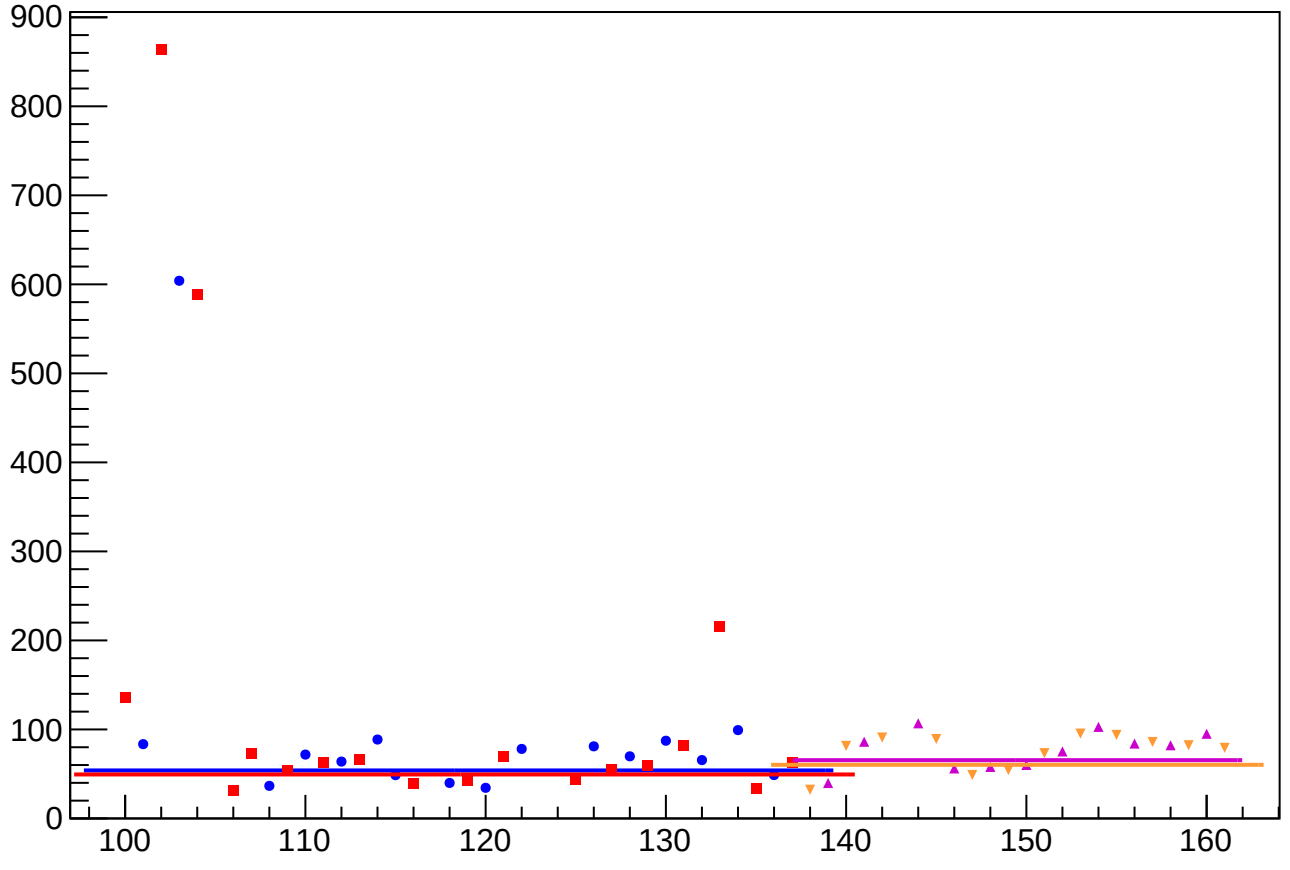
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.023 χ^2/NDF:9.6/10

+ sign 0.022+/-0.016 χ^2/NDF: 43.4/27

All: 0.011+/-0.011 χ^2/NDF: 67.8/56

- sign 0.000+/-0.016 χ^2/NDF: 23.5/28



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 60.265+/-0.015 χ^2/NDF:2257614.8/11

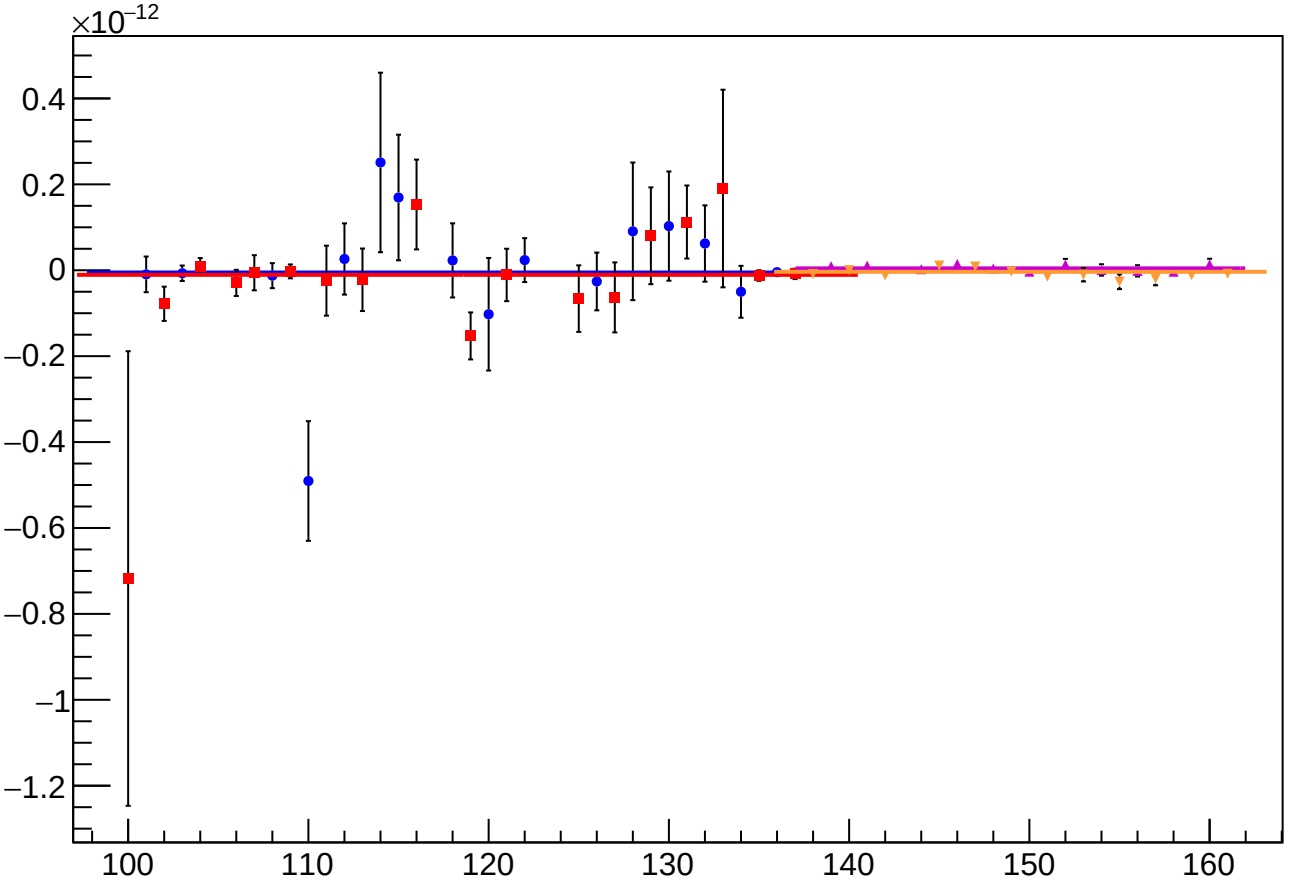
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 65.476+/-0.016 χ^2/NDF:1579898.1/10

+ sign 57.308+/-0.011 χ^2/NDF: 4551721.3/27

All: 57.251+/-0.008 χ^2/NDF: 9654238.6/56

- sign 57.192+/-0.011 χ^2/NDF: 5102464.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/11

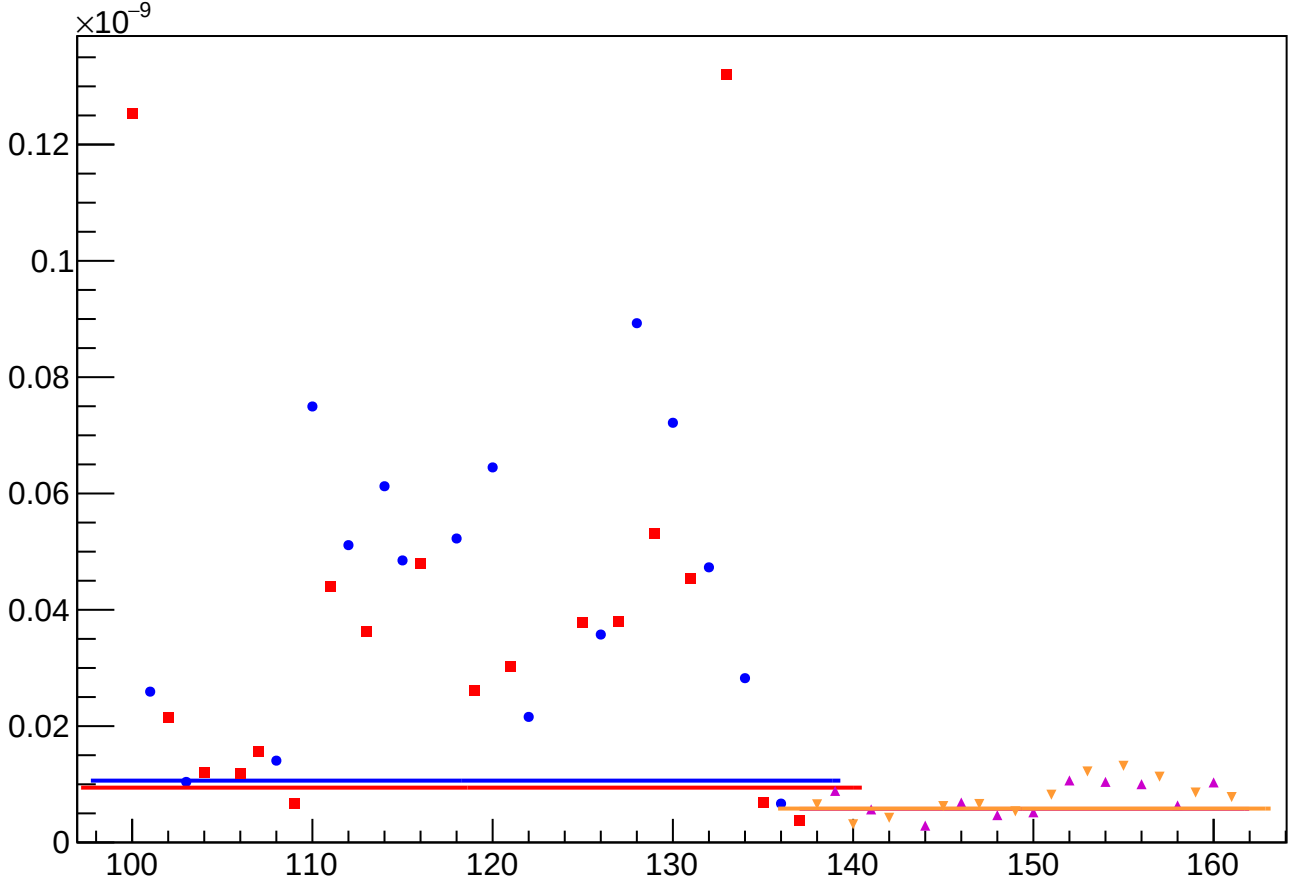
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:5.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 30.3/27

All: -0.000+/-0.000 χ^2/NDF: 64.5/56

- sign 0.000+/-0.000 χ^2/NDF: 30.6/28



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2042694.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

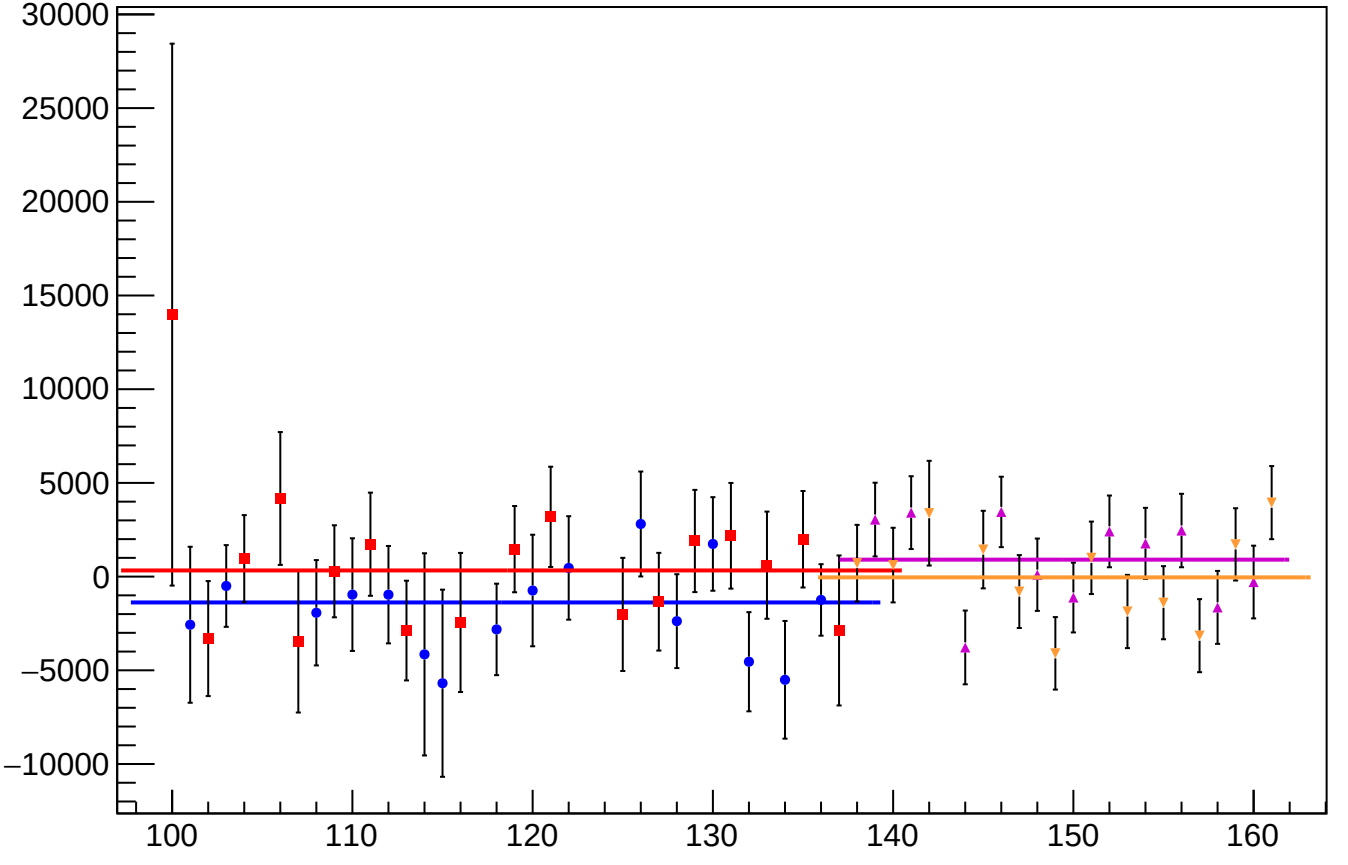
Left In: 0.000+/-0.000 χ^2/NDF:1917755.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 7469806.5/27

All: 0.000+/-0.000 χ^2/NDF: 13980052.5/56

- sign 0.000+/-0.000 χ^2/NDF: 6505781.8/28

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -41.266+/-580.112 χ^2/NDF:16.0/11

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

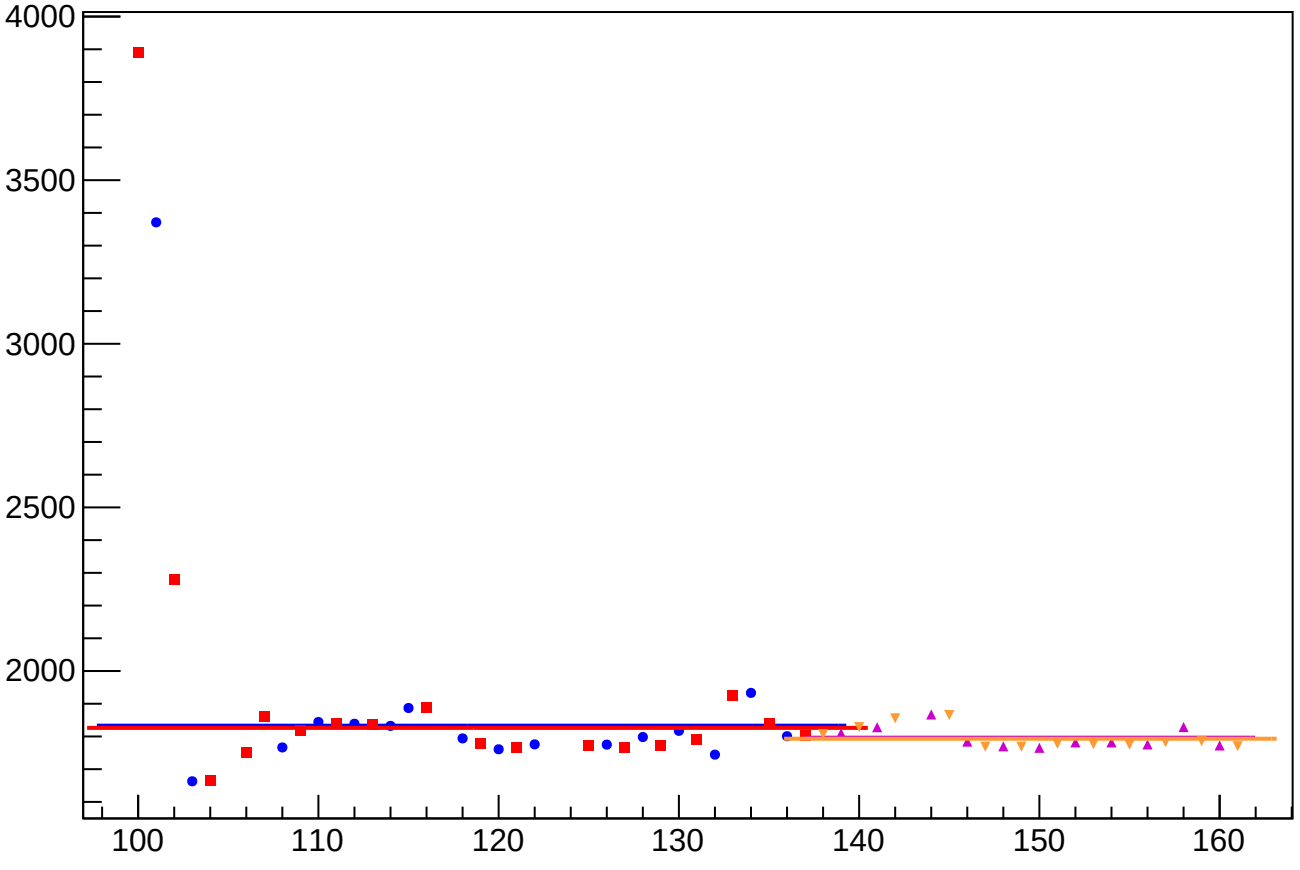
Left In: 904.492+/-581.042 χ^2/NDF:15.3/10

+ sign -596.067+/-443.773 χ^2/NDF: 27.5/27

All: 34.911+/-313.451 χ^2/NDF: 58.3/56

- sign 663.133+/-442.803 χ^2/NDF: 26.7/28

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1793.116+/-0.410 χ^2/NDF:5614.3/11

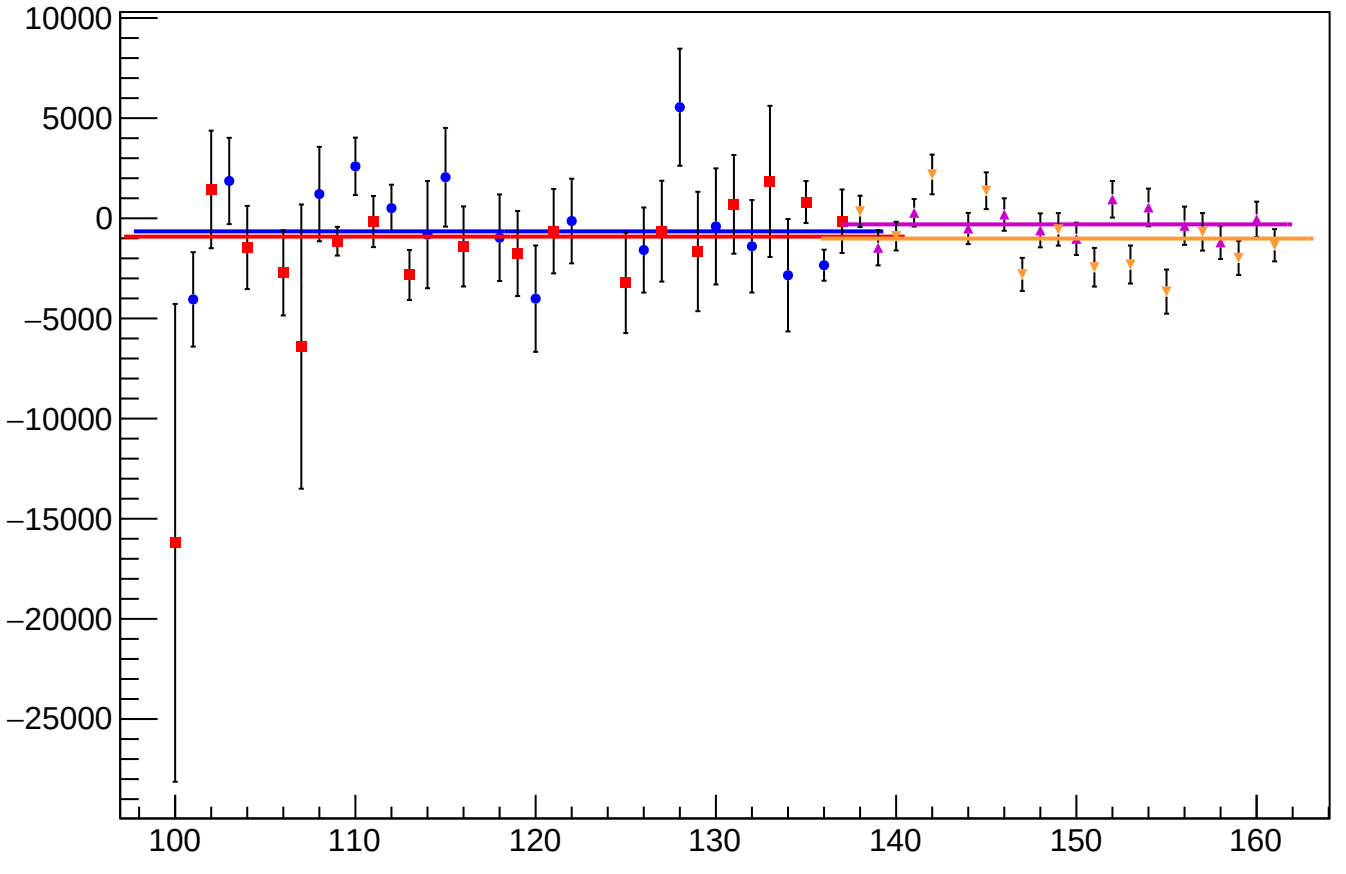
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1796.250+/-0.411 χ^2/NDF:5543.0/10

+ sign 1809.638+/-0.314 χ^2/NDF: 304964.8/27

All: 1809.223+/-0.222 χ^2/NDF: 415746.8/56

- sign 1808.809+/-0.313 χ^2/NDF: 110778.6/28



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -1011.919+/-251.235 χ^2/NDF:36.7/11

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

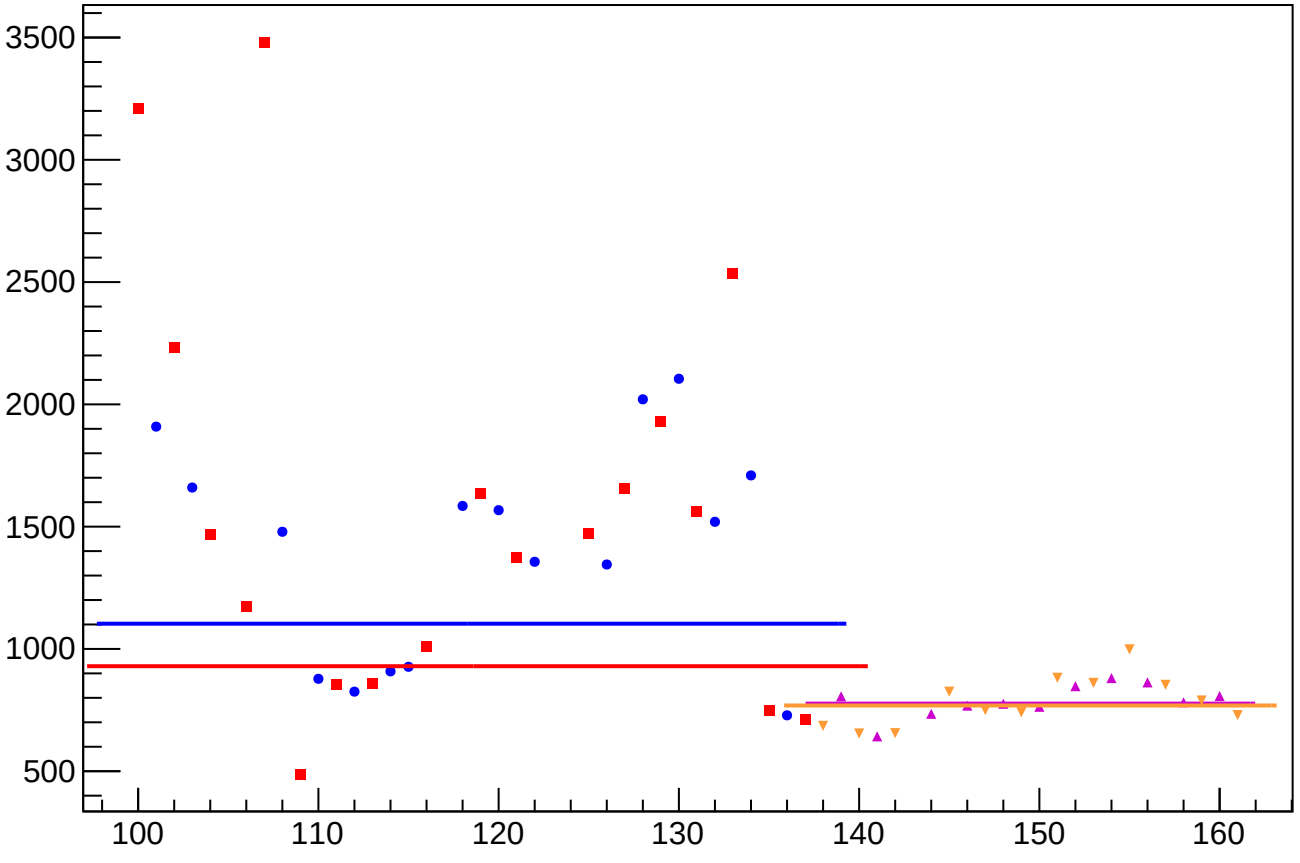
Left In: -302.584+/-252.714 χ^2/NDF:7.8/10

+ sign -924.057+/-218.433 χ^2/NDF: 60.4/27

All: -696.758+/-152.361 χ^2/NDF: 83.5/56

- sign -481.384+/-212.627 χ^2/NDF: 21.0/28

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 768.747+/-0.178 χ^2/NDF:266371.0/11

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

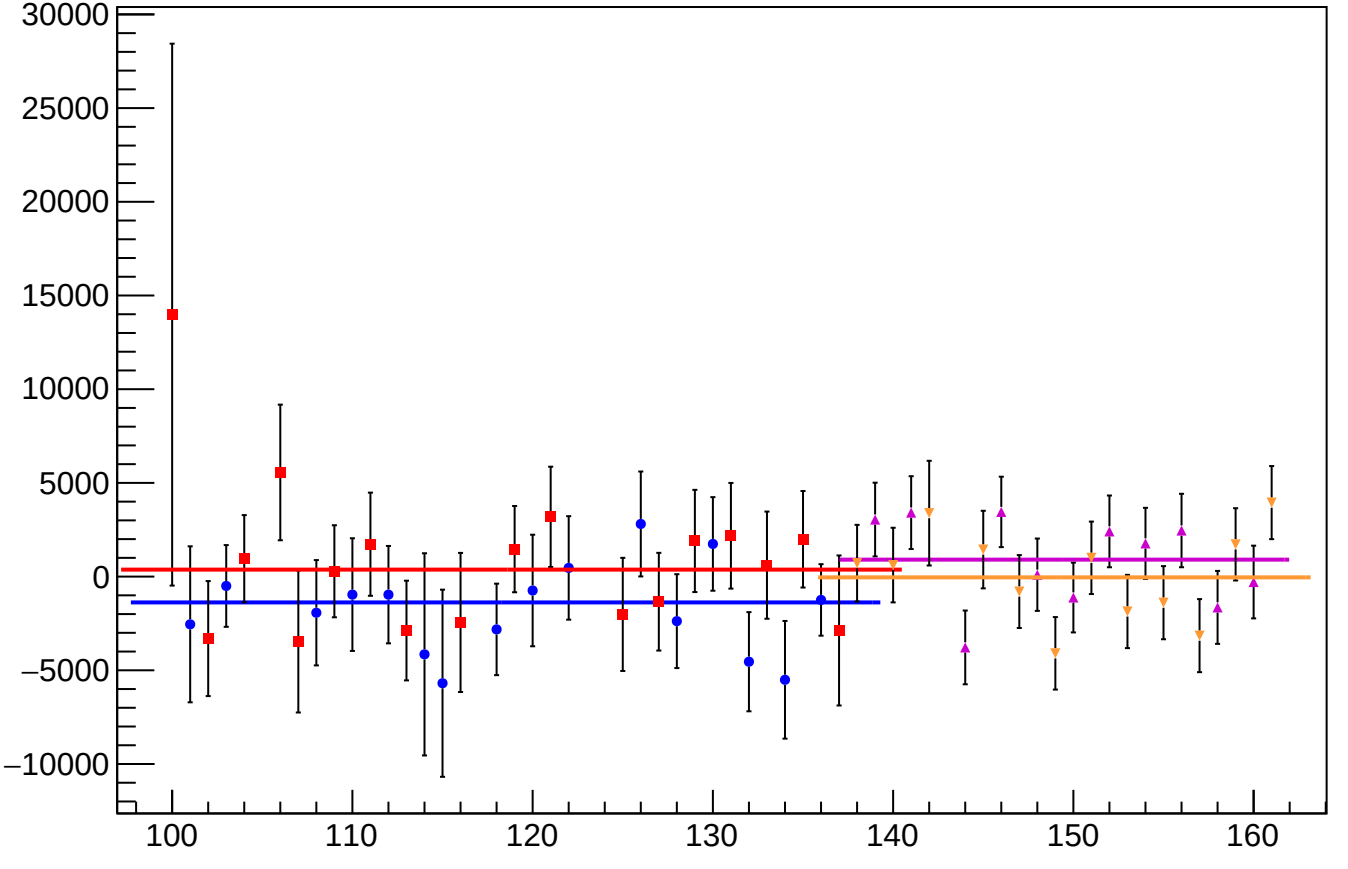
Left In: 776.353+/-0.179 χ^2/NDF:140795.5/10

\+ sign 850.375+/-0.154 χ^2/NDF: 3009565.9/27

All: 835.315+/-0.108 χ^2/NDF: 6437109.5/56

\- sign 821.044+/-0.150 χ^2/NDF: 3409026.7/28

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -41.133+/-580.112 χ^2/NDF:16.0/11

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

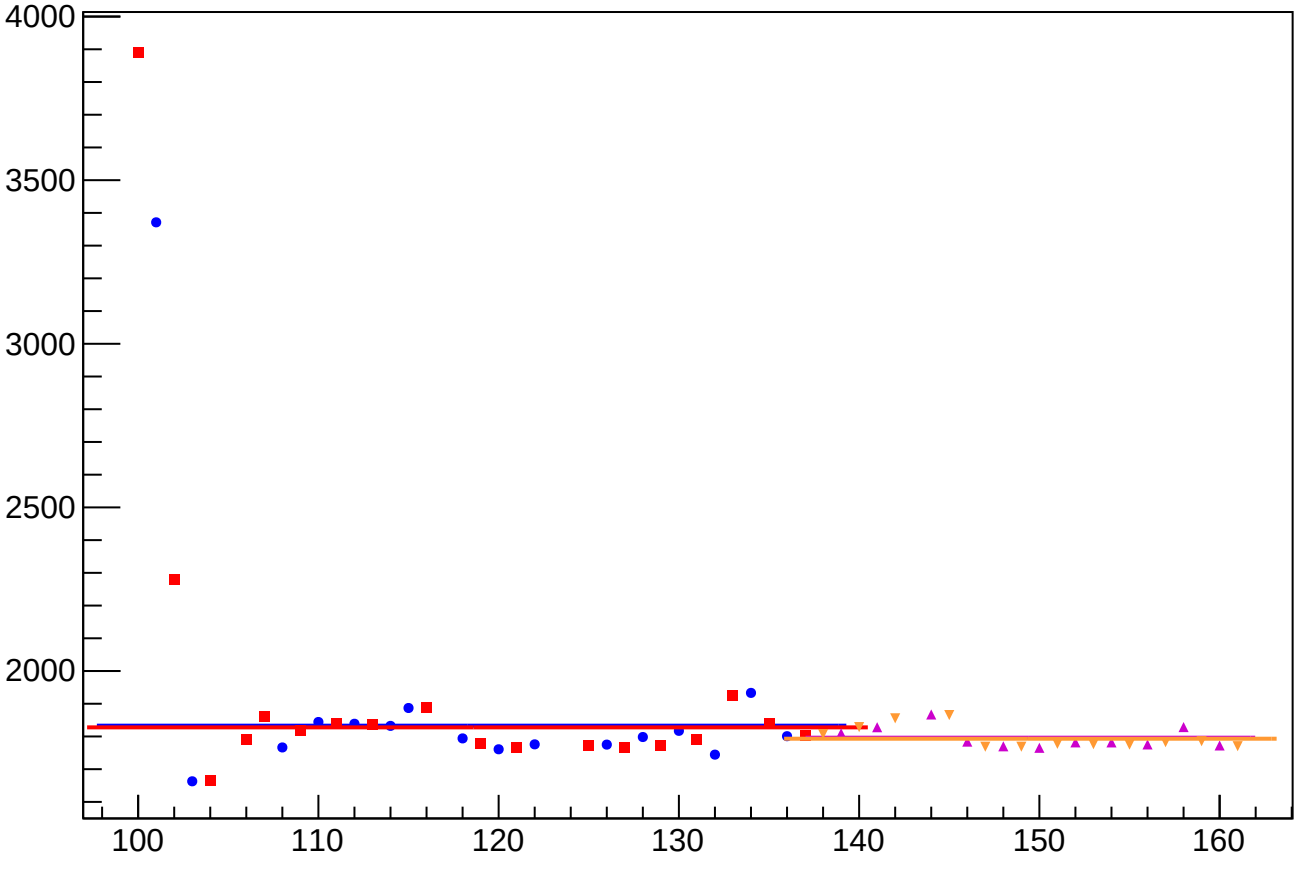
Left In: 904.403+/-581.042 χ^2/NDF:15.3/10

+ sign -595.730+/-443.773 χ^2/NDF: 27.5/27

All: 44.142+/-313.501 χ^2/NDF: 59.2/56

- sign 681.625+/-442.944 χ^2/NDF: 27.6/28

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1793.116+/-0.410 χ^2/NDF:5614.3/11

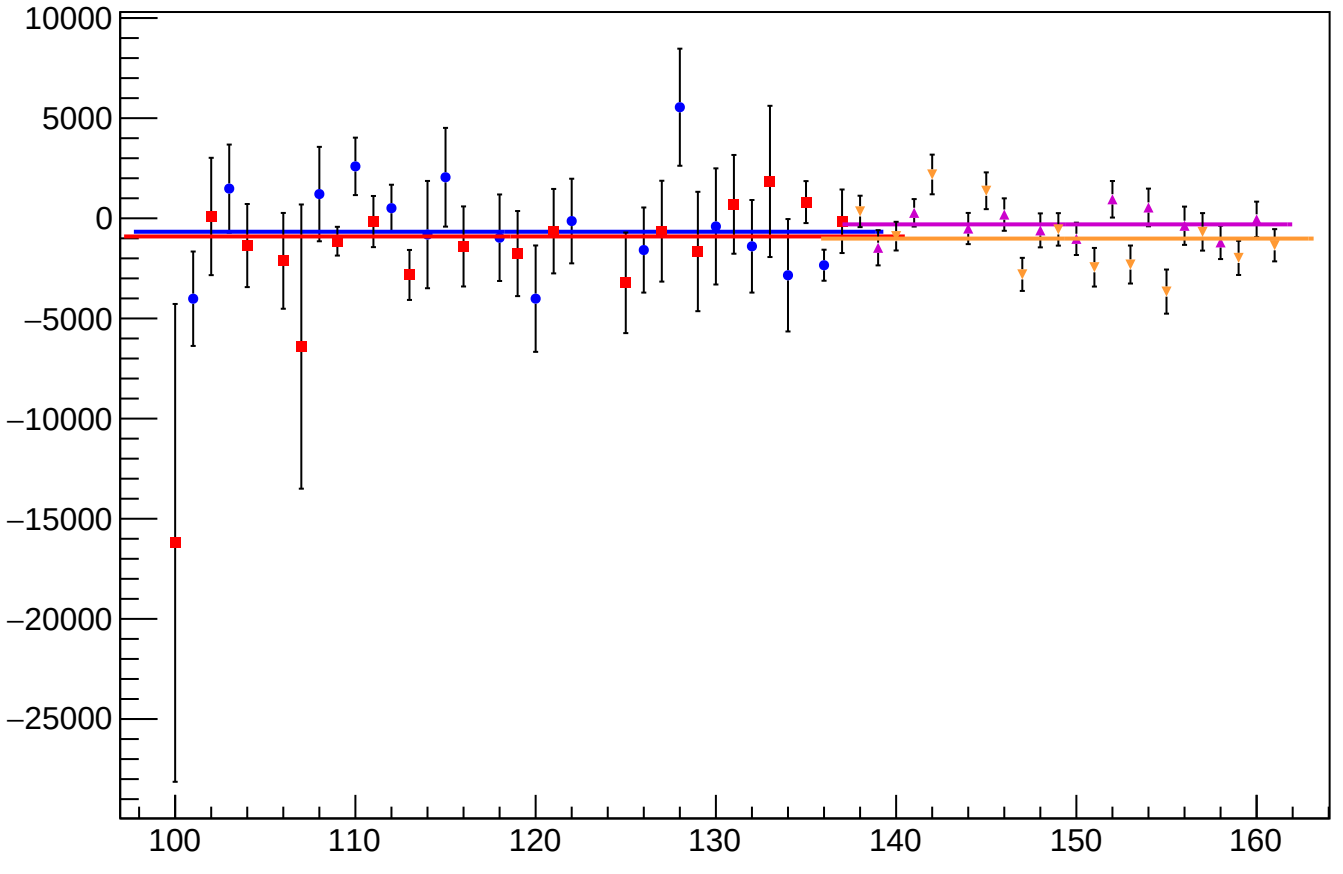
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1796.250+/-0.411 χ^2/NDF:5543.0/10

+ sign 1809.638+/-0.314 χ^2/NDF: 304966.6/27

All: 1809.548+/-0.222 χ^2/NDF: 415247.7/56

- sign 1809.459+/-0.313 χ^2/NDF: 110280.9/28



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1011.878+/-251.237 χ^2/NDF:36.7/11

Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

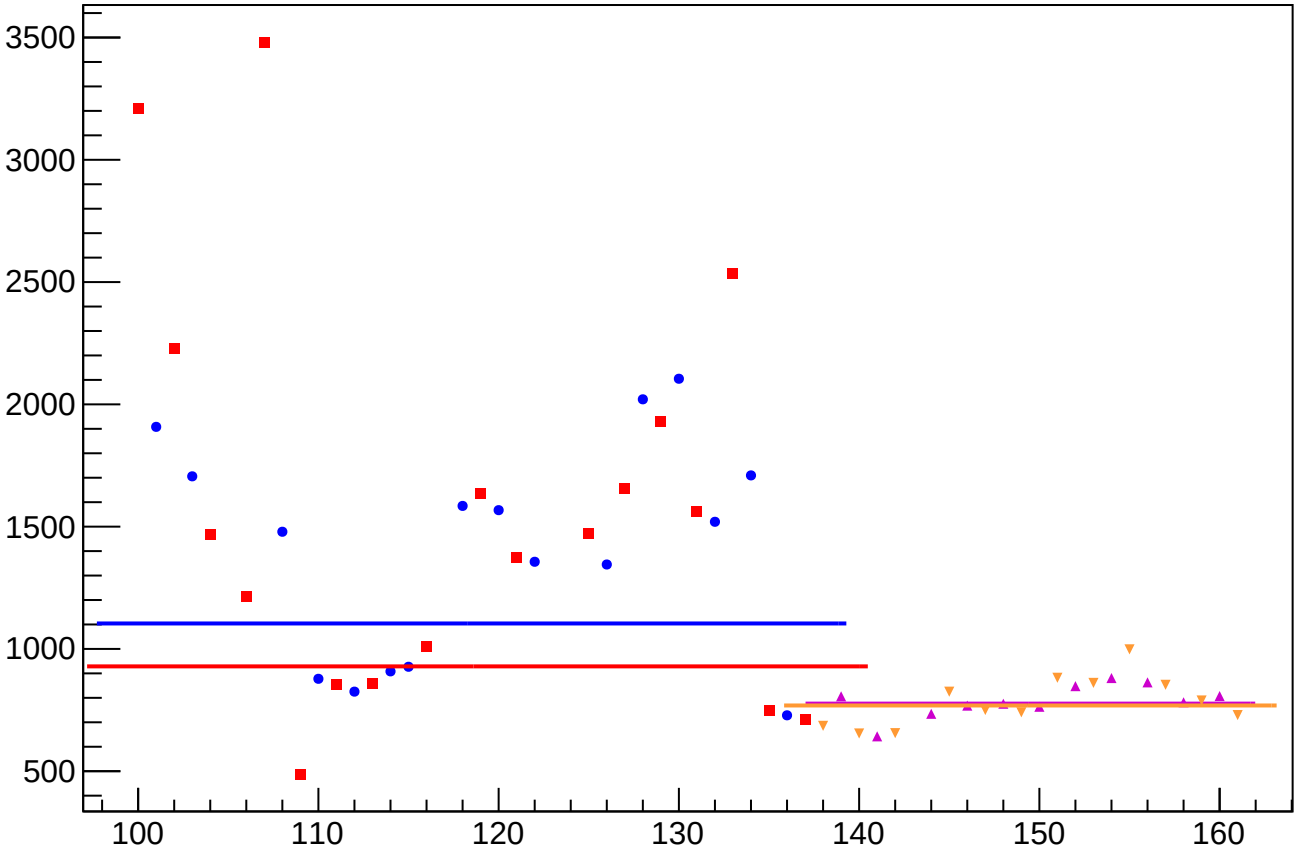
Left In: -302.522+/-252.715 χ^2/NDF:7.8/10

+ sign -928.670+/-218.479 χ^2/NDF: 59.9/27

All: -697.388+/-152.458 χ^2/NDF: 82.0/56

- sign -477.877+/-212.847 χ^2/NDF: 19.9/28

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 768.752+/-0.178 χ^2/NDF:266338.8/11

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

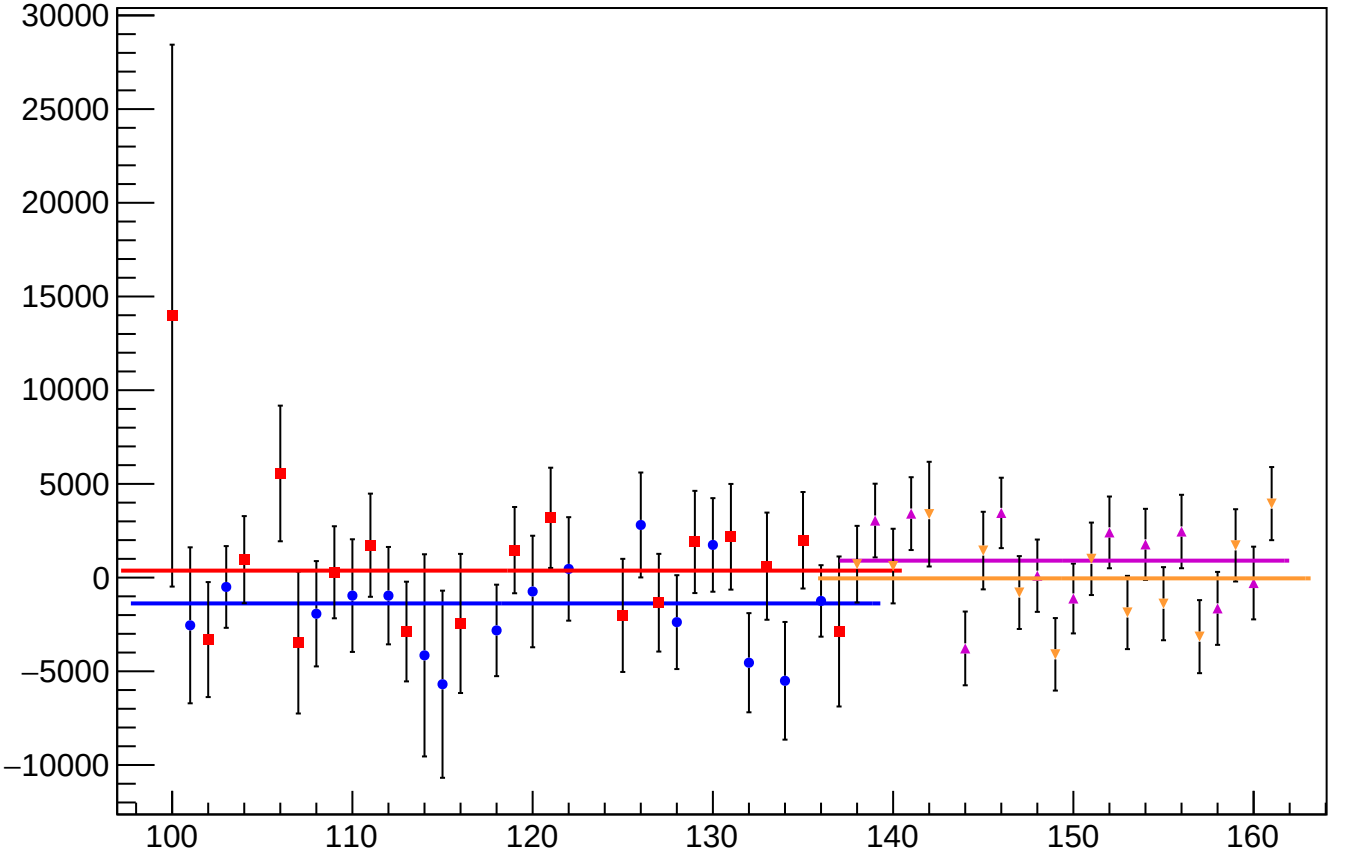
Left In: 776.355+/-0.179 χ^2/NDF:140845.7/10

+ sign 850.501+/-0.154 χ^2/NDF: 3029468.9/27

All: 835.166+/-0.108 χ^2/NDF: 6454940.4/56

- sign 820.611+/-0.151 χ^2/NDF: 3406266.1/28

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: -41.133+/-580.112 χ^2/NDF:16.0/11

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

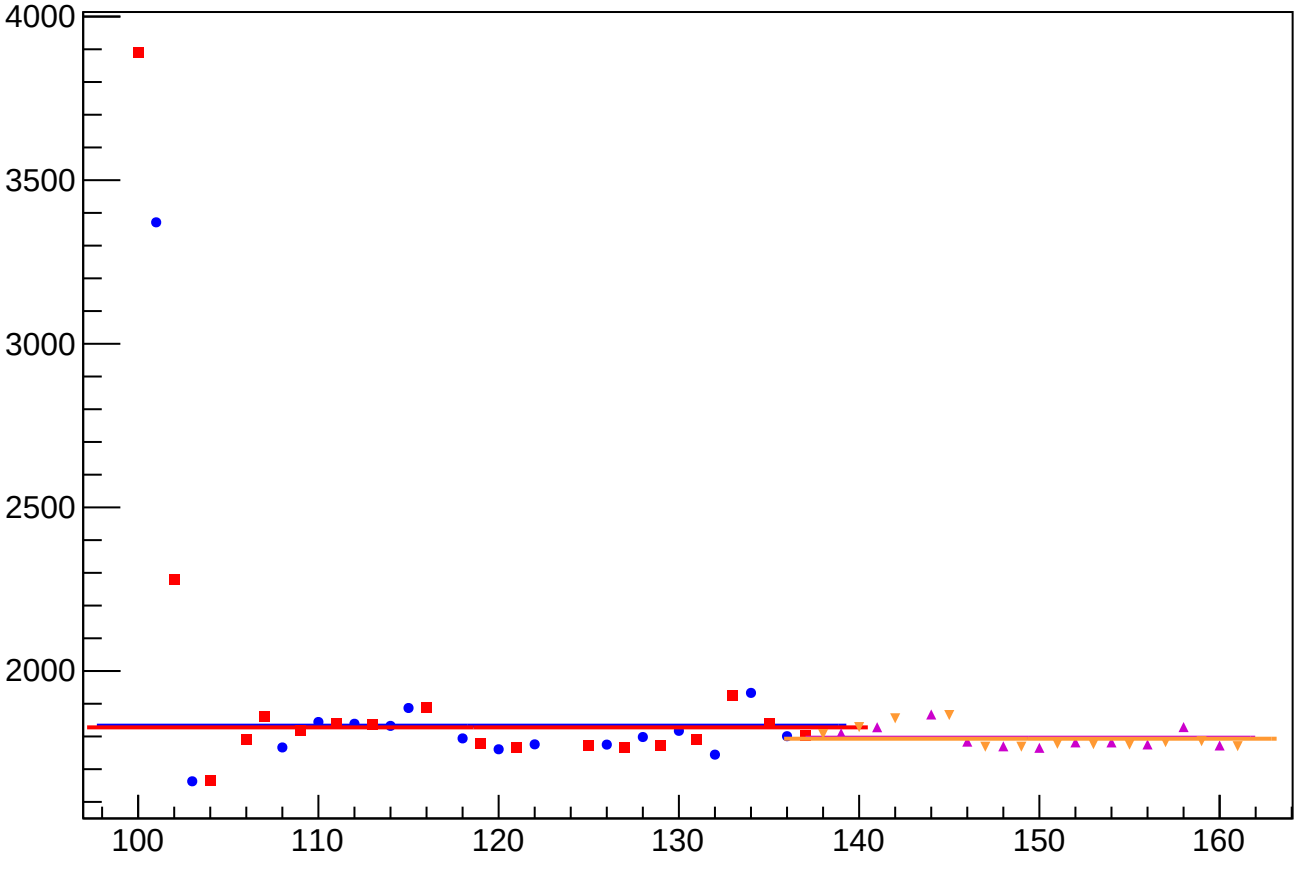
Left In: 904.403+/-581.042 χ^2/NDF:15.3/10

+ sign -595.730+/-443.773 χ^2/NDF: 27.5/27

All: 44.142+/-313.501 χ^2/NDF: 59.2/56

- sign 681.625+/-442.944 χ^2/NDF: 27.6/28

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: 1793.116+/-0.410 χ^2/NDF:5614.3/11

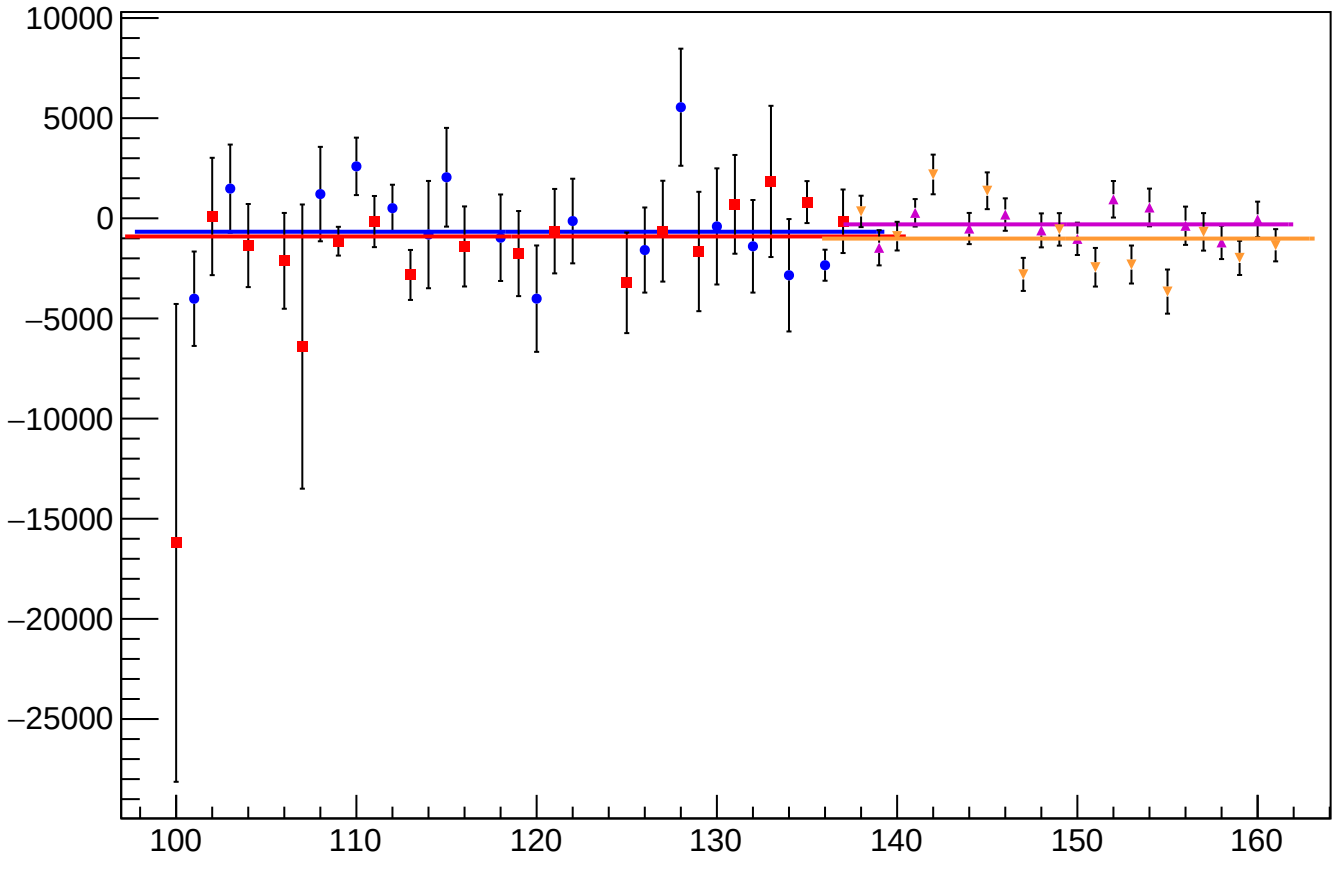
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1796.250+/-0.411 χ^2/NDF:5543.0/10

+ sign 1809.638+/-0.314 χ^2/NDF: 304966.6/27

All: 1809.548+/-0.222 χ^2/NDF: 415247.7/56

- sign 1809.459+/-0.313 χ^2/NDF: 110280.9/28



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1011.878+/-251.237 χ^2/NDF:36.7/11

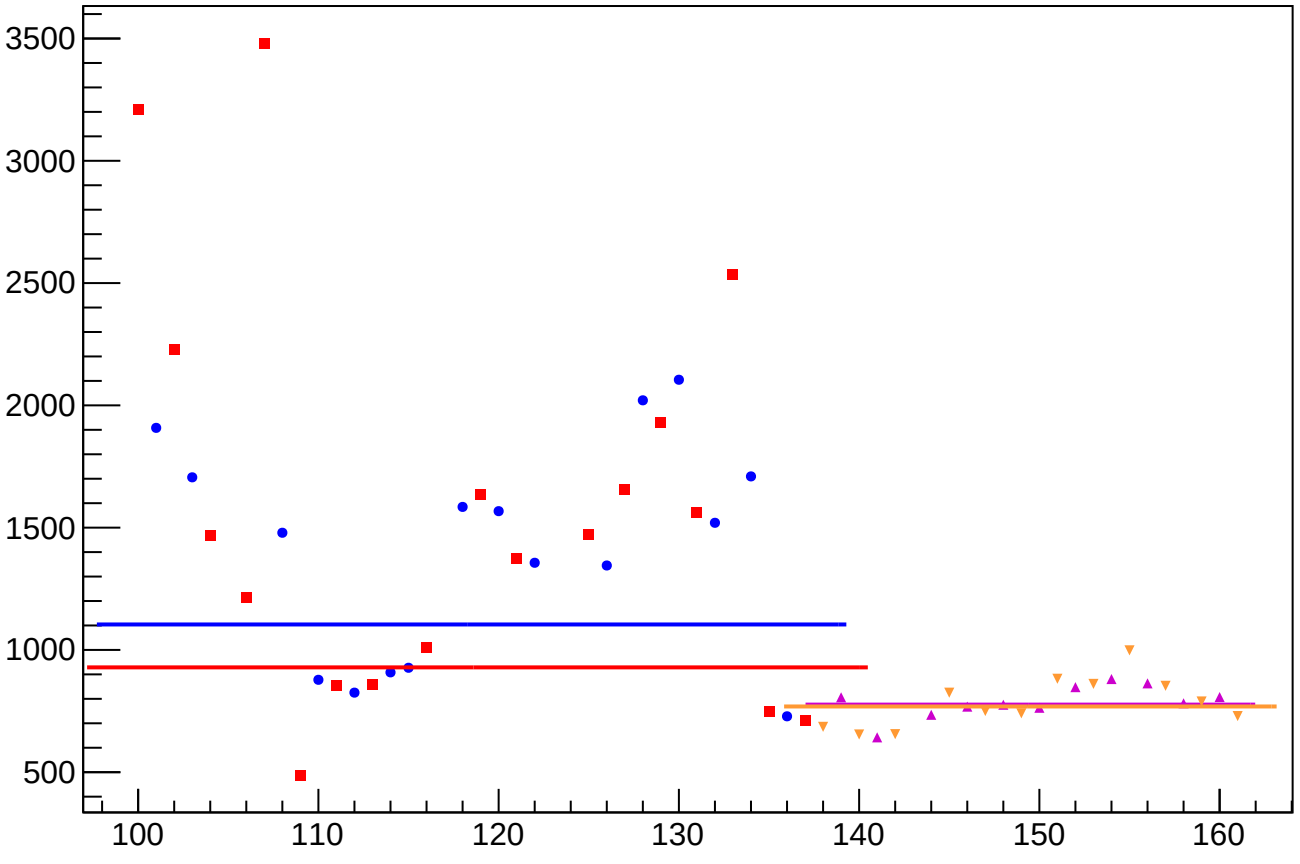
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -302.522+/-252.715 χ^2/NDF:7.8/10

+ sign -928.670+/-218.479 χ^2/NDF: 59.9/27

All: -697.388+/-152.458 χ^2/NDF: 82.0/56

- sign -477.877+/-212.847 χ^2/NDF: 19.9/28



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 768.752+/-0.178 χ^2/NDF:266338.8/11

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

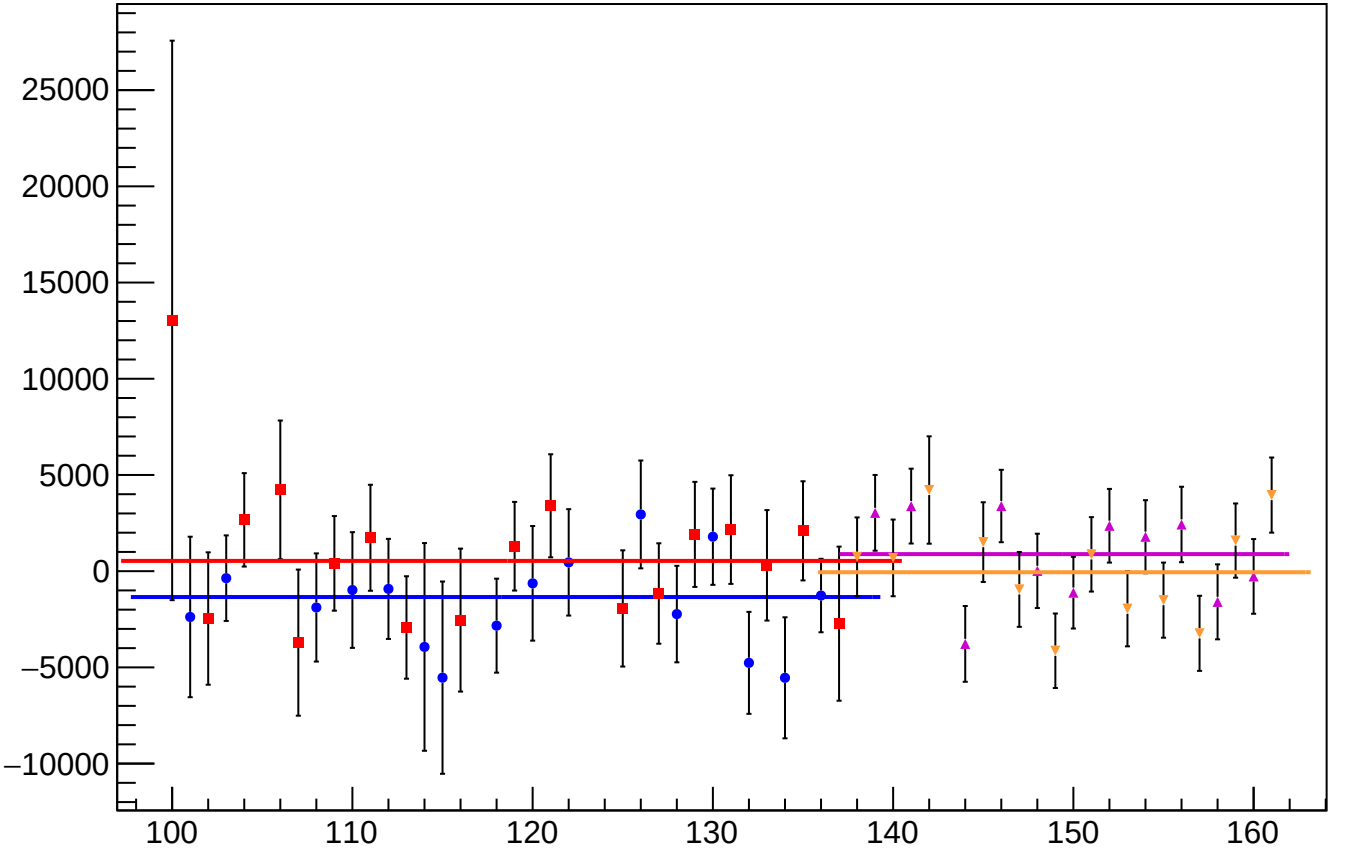
Left In: 776.355+/-0.179 χ^2/NDF:140845.7/10

+ sign 850.501+/-0.154 χ^2/NDF: 3029468.9/27

All: 835.166+/-0.108 χ^2/NDF: 6454940.4/56

- sign 820.611+/-0.151 χ^2/NDF: 3406266.1/28

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -54.979+/-580.486 χ^2/NDF:17.2/11

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

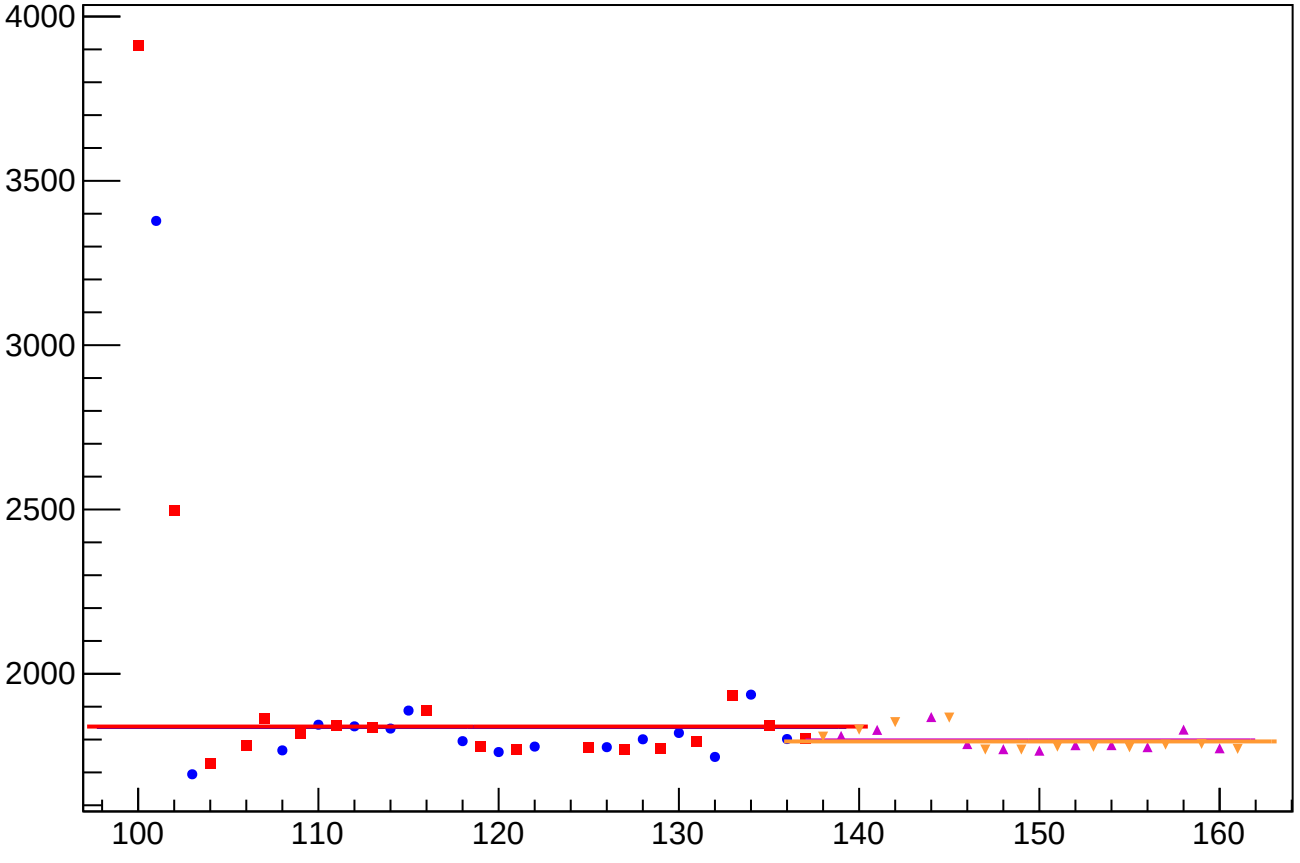
Left In: 886.384+/-581.435 χ^2/NDF:15.0/10

+ sign -588.326+/-444.450 χ^2/NDF: 28.8/27

All: 75.381+/-314.427 χ^2/NDF: 59.5/56

- sign 740.384+/-444.884 χ^2/NDF: 26.2/28

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1794.262+/-0.410 χ^2/NDF:5516.2/11

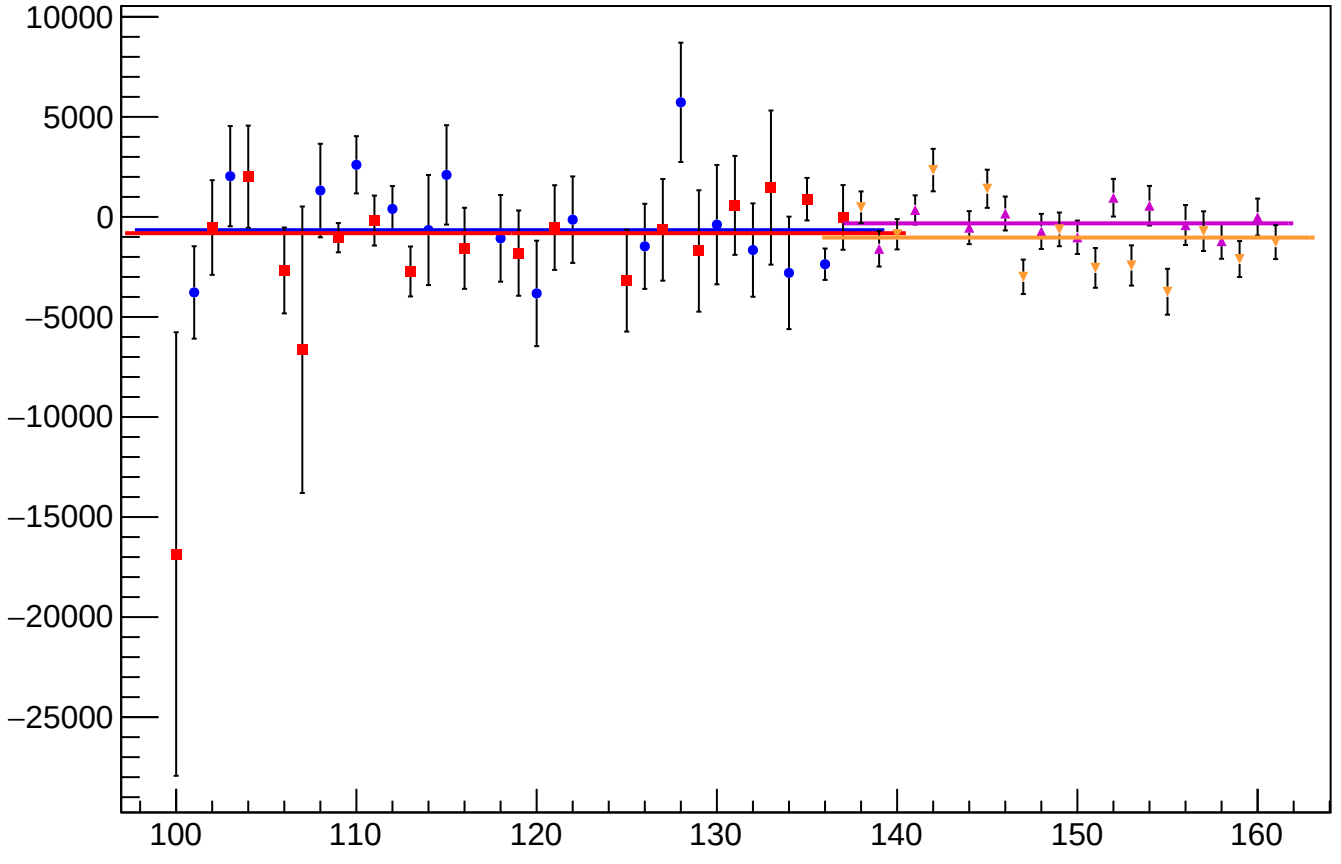
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1797.461+/-0.411 χ^2/NDF:5579.4/10

+ sign 1812.426+/-0.314 χ^2/NDF: 302232.6/27

All: 1813.660+/-0.222 χ^2/NDF: 440434.0/56

- sign 1814.896+/-0.315 χ^2/NDF: 138170.6/28



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -1031.159+/-262.661 χ^2/NDF:37.2/11

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

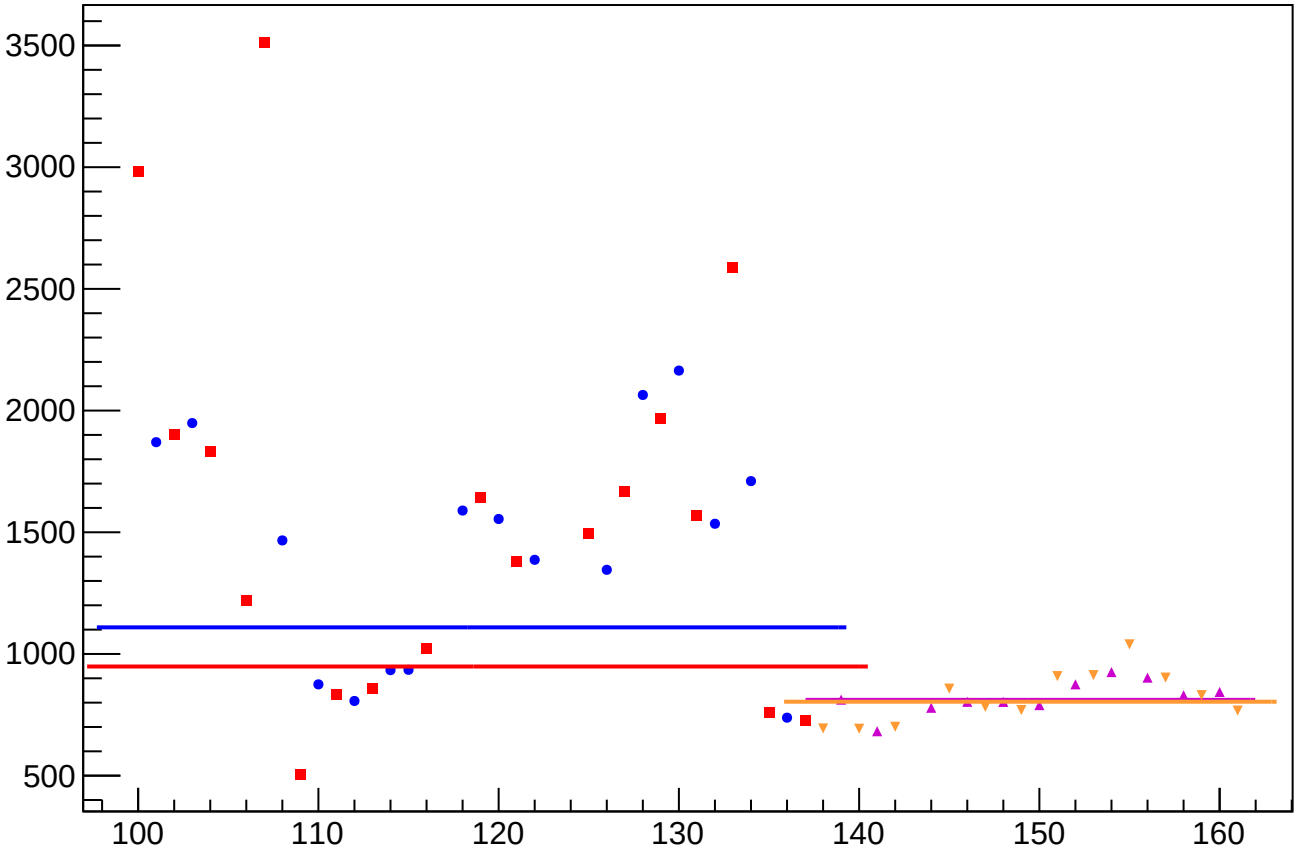
Left In: -321.479+/-263.922 χ^2/NDF:8.0/10

+ sign -936.447+/-226.316 χ^2/NDF: 60.5/27

All: -697.347+/-157.682 χ^2/NDF: 83.9/56

- sign -471.779+/-219.818 χ^2/NDF: 21.3/28

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 803.830+/-0.186 χ^2/NDF:266850.4/11

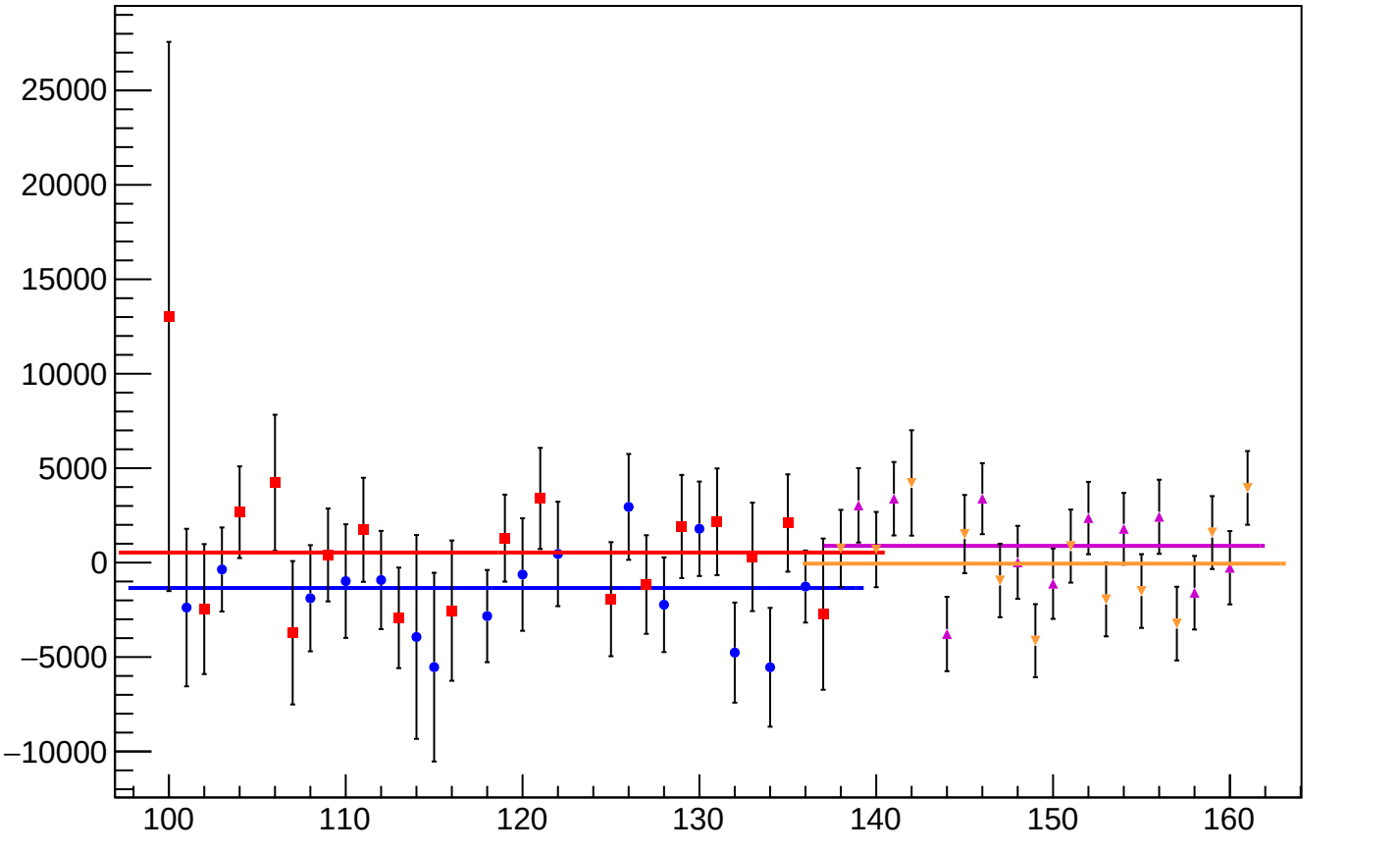
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 811.441+/-0.187 χ^2/NDF:123387.6/10

+ sign 882.535+/-0.160 χ^2/NDF: 2937321.1/27

All: 867.544+/-0.111 χ^2/NDF: 6296491.3/56

- sign 853.402+/-0.155 χ^2/NDF: 3342117.1/28



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -54.978+/-580.486 χ^2/NDF:17.2/11

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

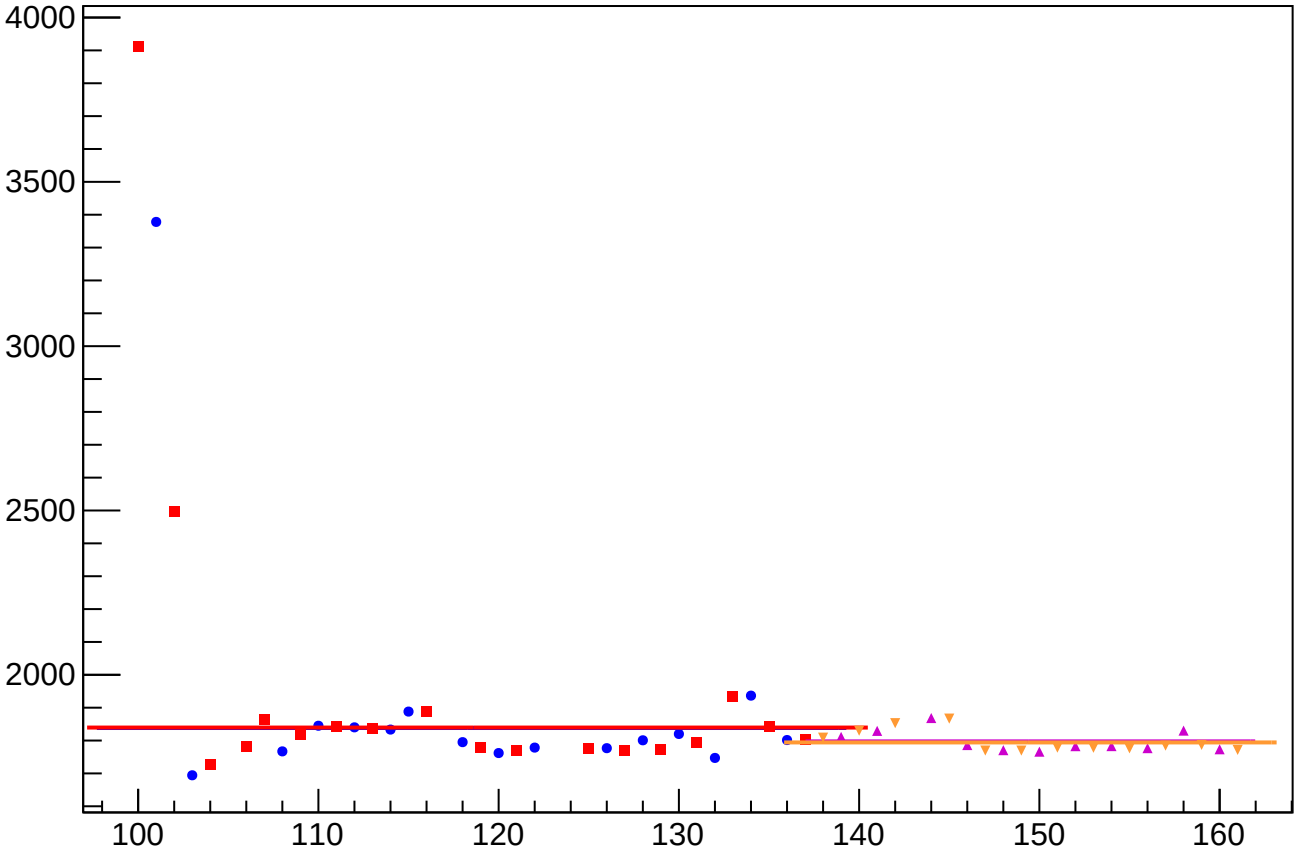
Left In: 886.382+/-581.435 χ^2/NDF:15.0/10

+ sign -588.326+/-444.450 χ^2/NDF: 28.8/27

All: 75.382+/-314.427 χ^2/NDF: 59.5/56

- sign 740.385+/-444.884 χ^2/NDF: 26.2/28

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: 1794.262+/-0.410 χ^2/NDF:5516.2/11

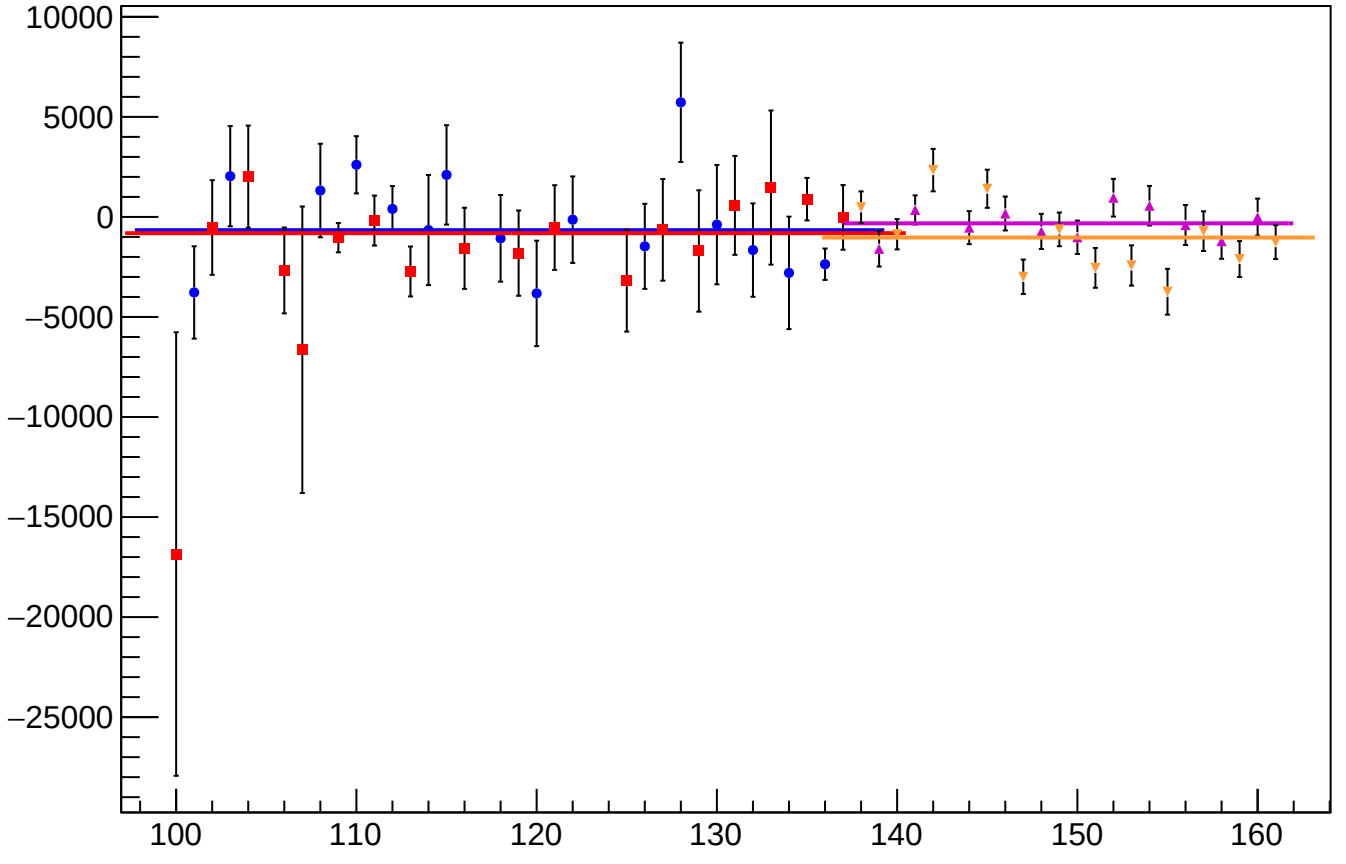
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1797.461+/-0.411 χ^2/NDF:5579.4/10

+ sign 1812.426+/-0.314 χ^2/NDF: 302232.6/27

All: 1813.660+/-0.222 χ^2/NDF: 440434.1/56

- sign 1814.896+/-0.315 χ^2/NDF: 138170.7/28



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -1031.167+/-262.662 χ^2/NDF:37.2/11

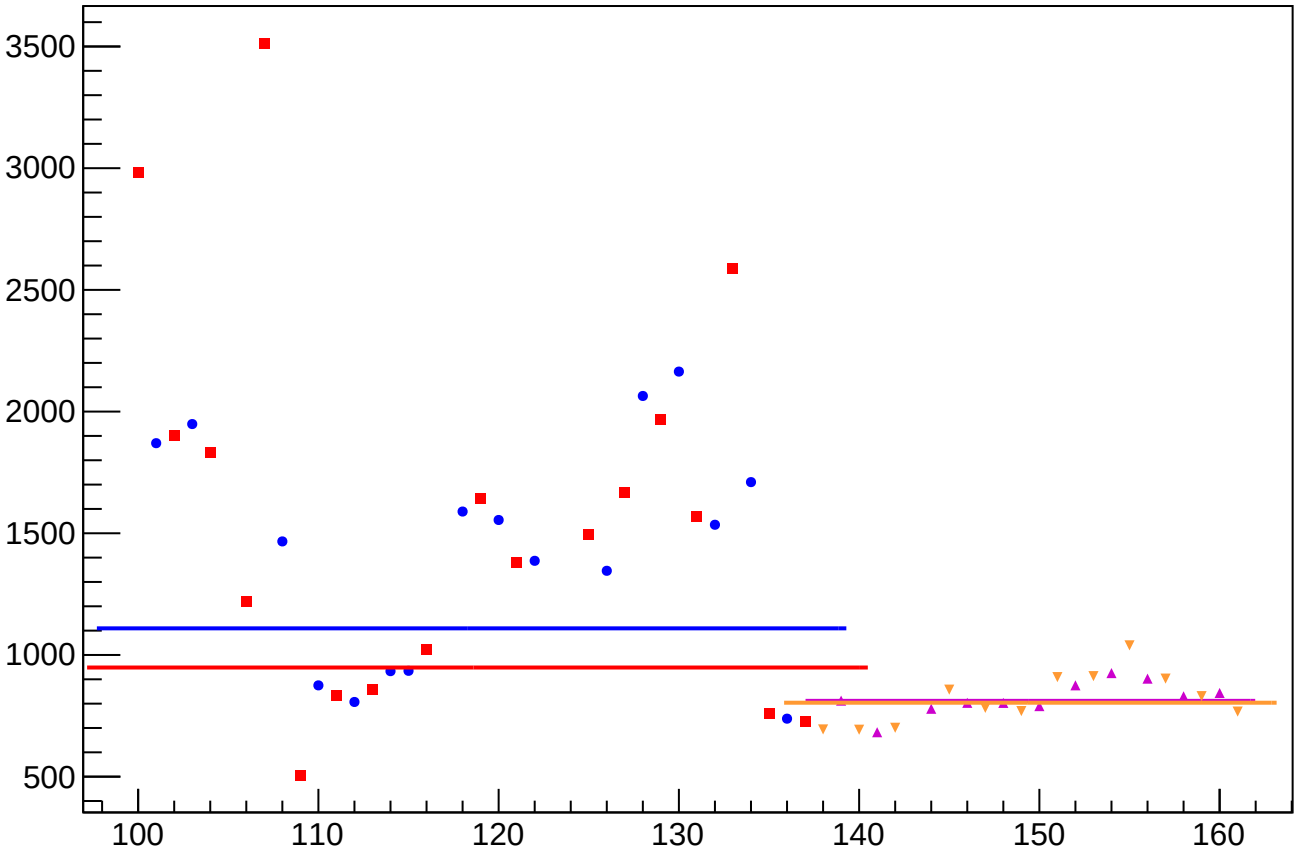
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -321.476+/-263.922 χ^2/NDF:8.0/10

+ sign -936.449+/-226.316 χ^2/NDF: 60.5/27

All: -697.347+/-157.682 χ^2/NDF: 83.9/56

- sign -471.779+/-219.818 χ^2/NDF: 21.3/28



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 803.832+/-0.186 χ^2/NDF:266835.3/11

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

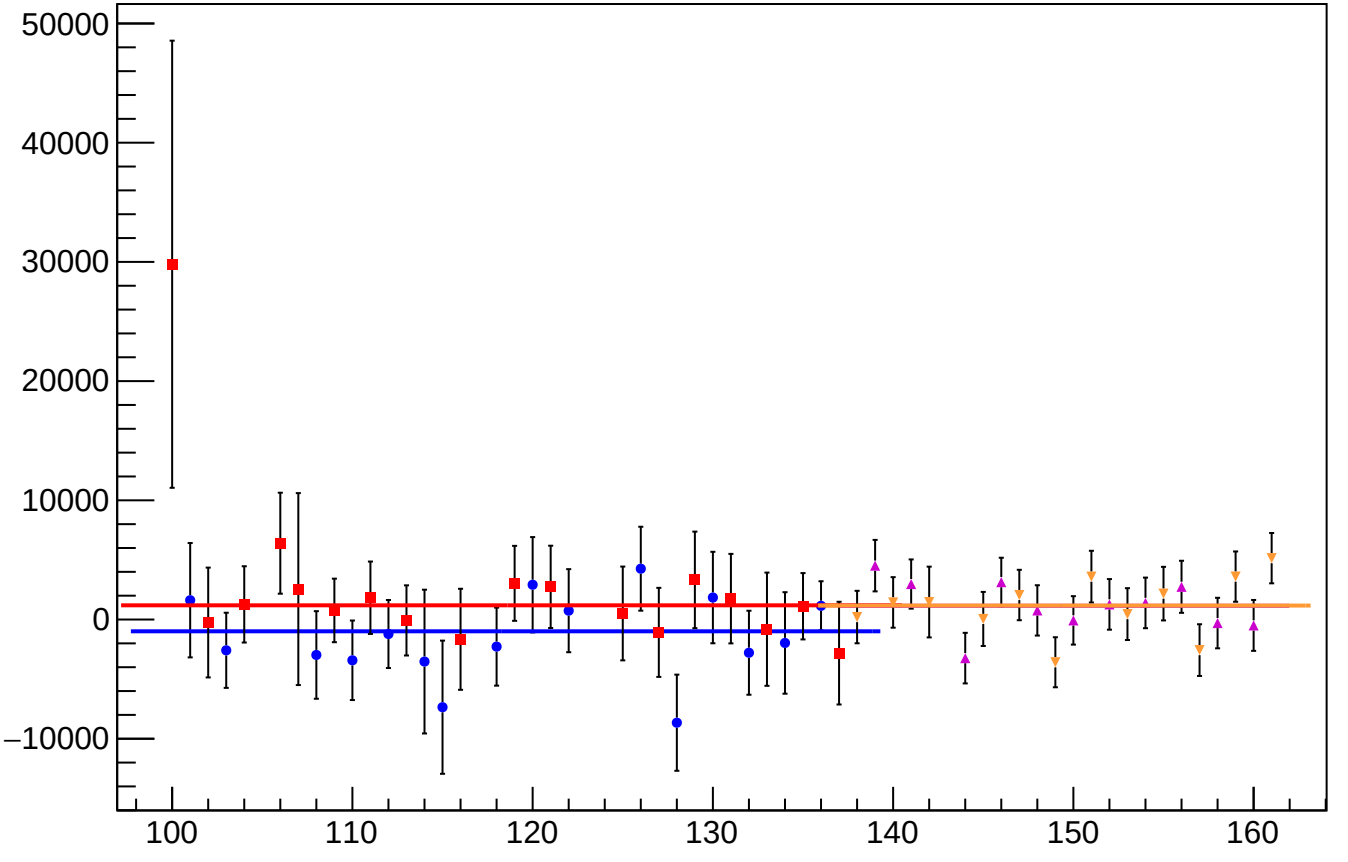
Left In: 811.443+/-0.187 χ^2/NDF:123386.8/10

+ sign 882.538+/-0.160 χ^2/NDF: 2937265.1/27

All: 867.547+/-0.111 χ^2/NDF: 6296410.6/56

- sign 853.404+/-0.155 χ^2/NDF: 3342091.2/28

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 1171.352+/-636.094 χ^2/NDF:15.2/11

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

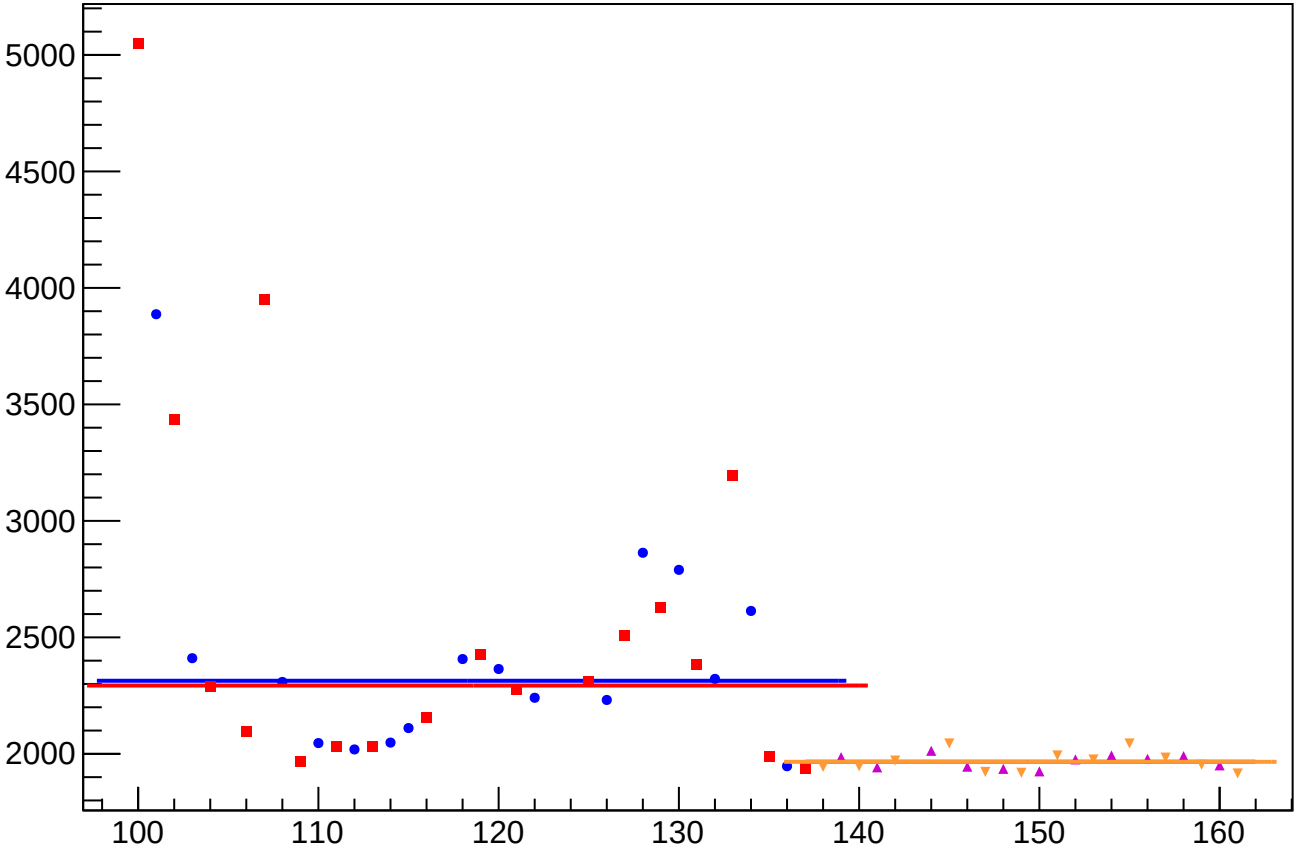
Left In: 1150.548+/-636.027 χ^2/NDF:10.4/10

+ sign 423.613+/-514.271 χ^2/NDF: 31.1/27

All: 794.853+/-363.385 χ^2/NDF: 49.6/56

- sign 1165.036+/-513.539 χ^2/NDF: 17.4/28

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1965.870+/-0.450 χ^2/NDF:8765.7/11

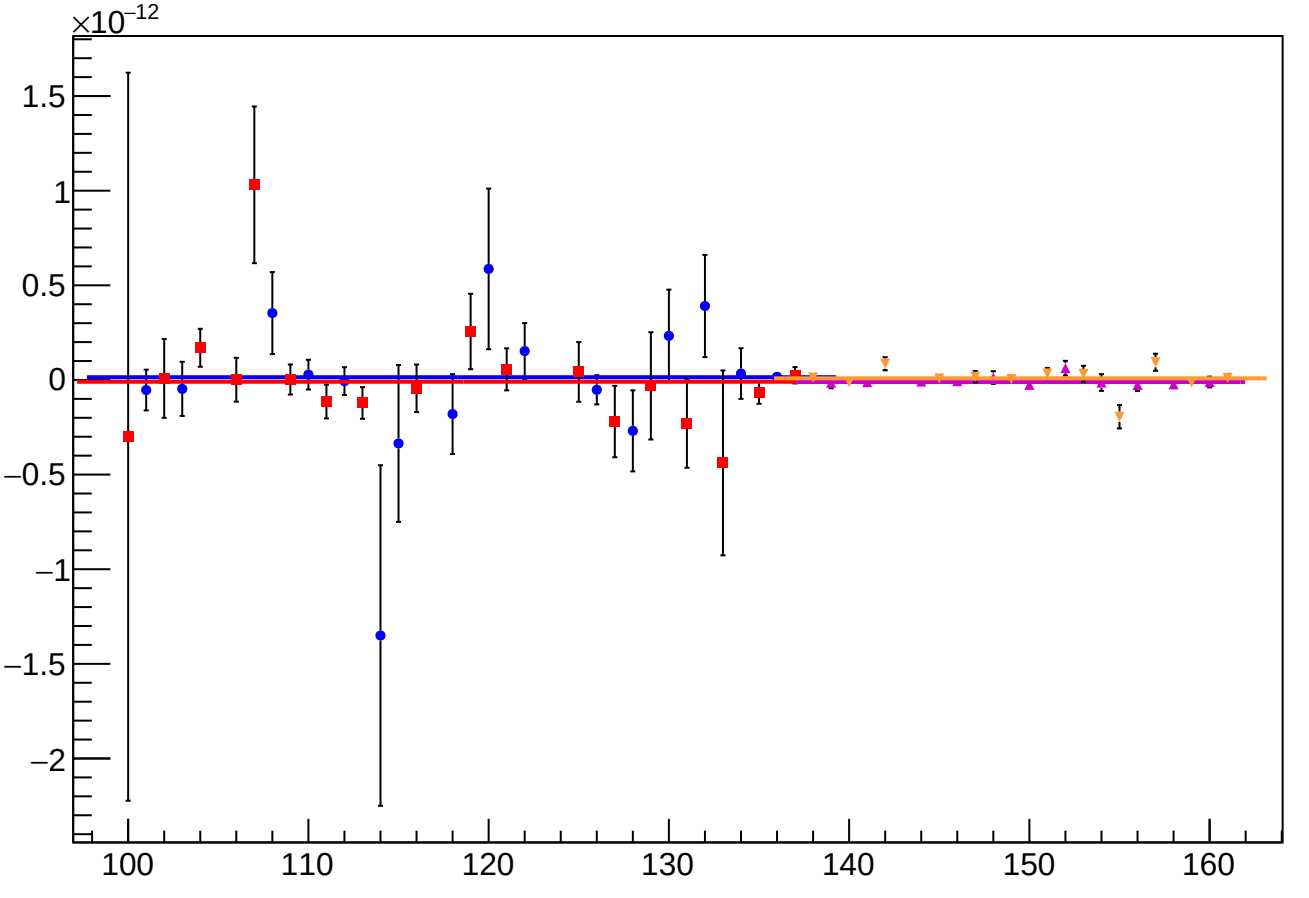
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1966.179+/-0.450 χ^2/NDF:3670.4/10

+ sign 2086.357+/-0.364 χ^2/NDF: 618701.5/27

All: 2083.191+/-0.257 χ^2/NDF: 1259848.0/56

- sign 2080.035+/-0.363 χ^2/NDF: 640995.1/28



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/11

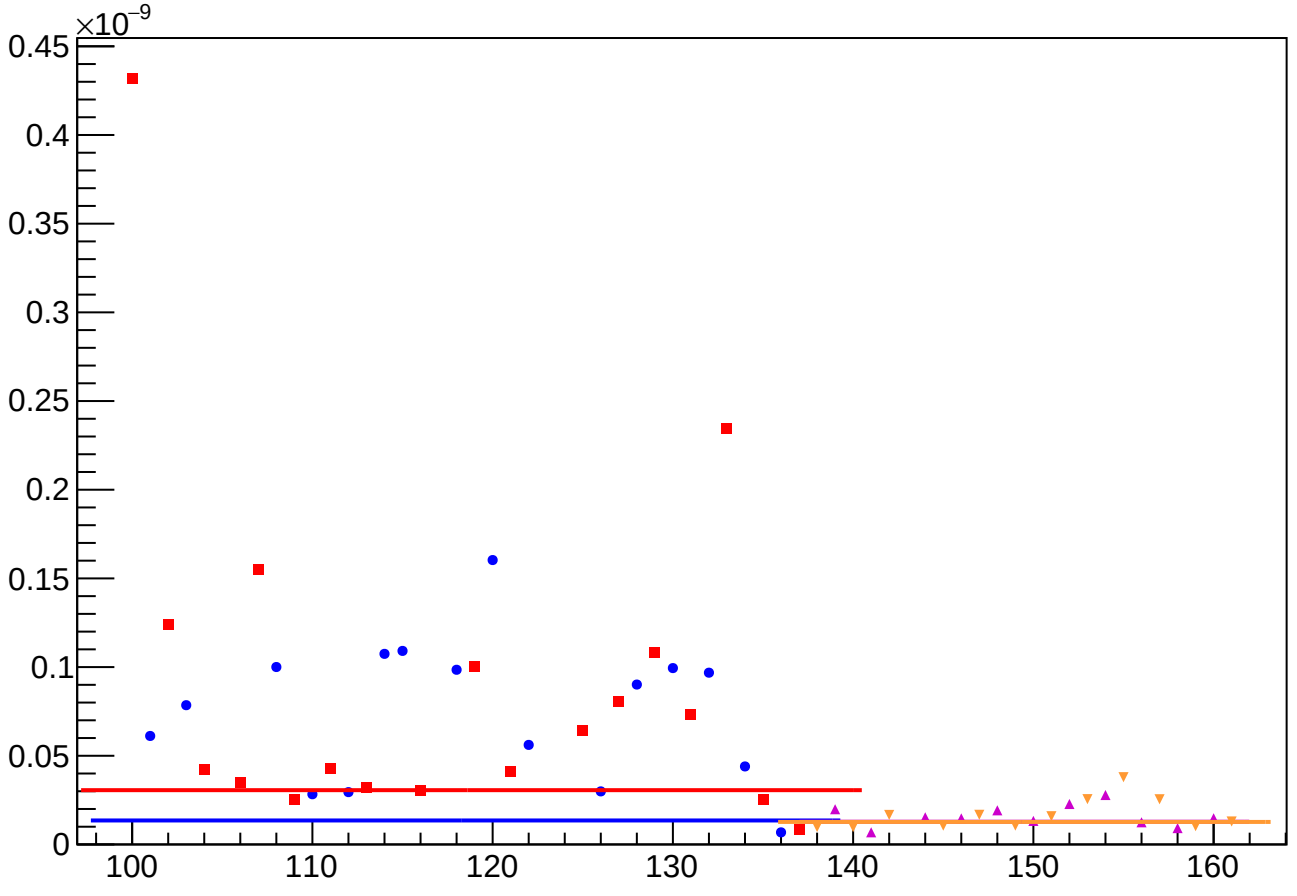
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:5.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 38.0/27

All: 0.000+/-0.000 χ^2/NDF: 67.2/56

- sign -0.000+/-0.000 χ^2/NDF: 24.7/28



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:920383.1/11

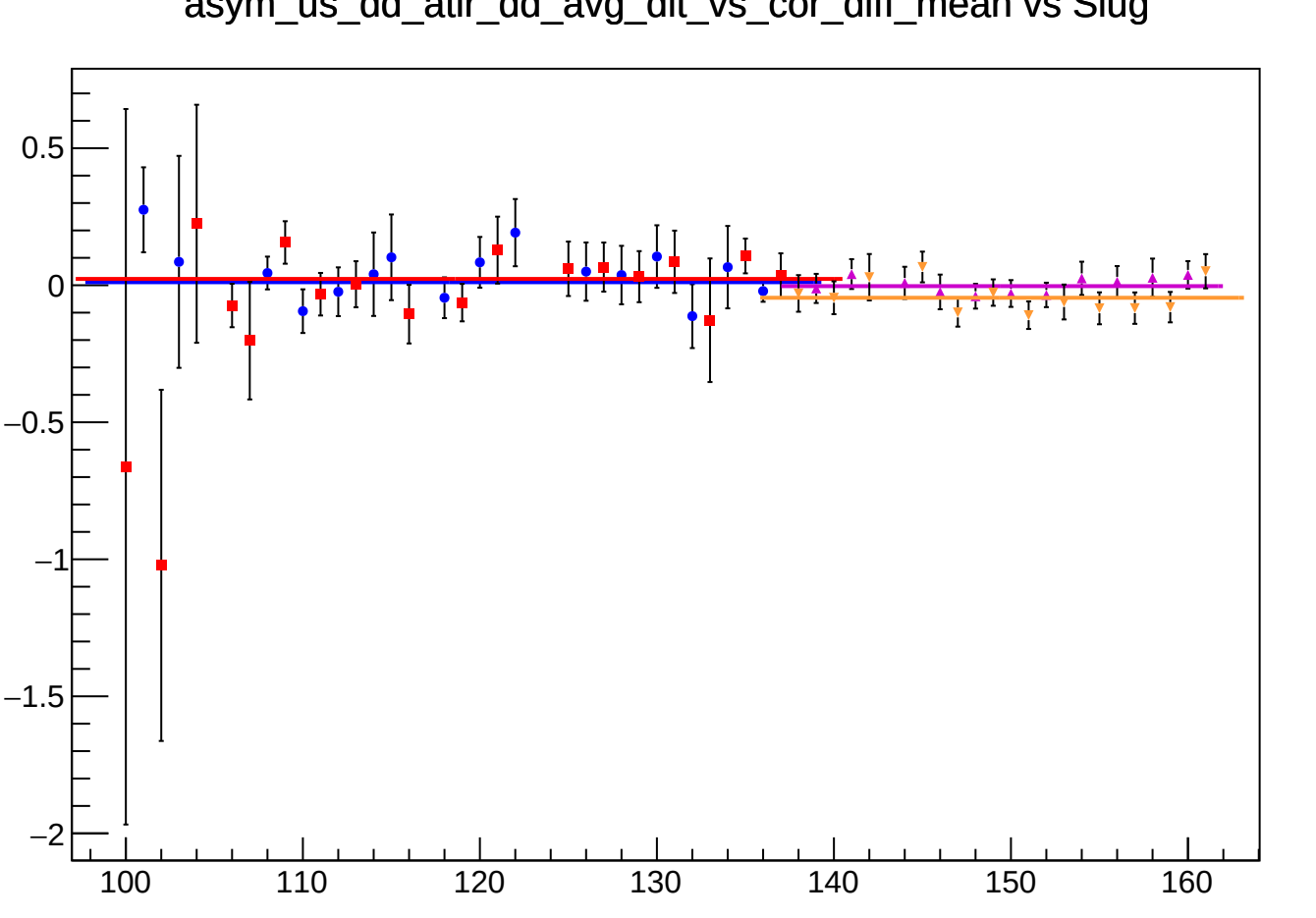
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1008023.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 4341977.4/27

All: 0.000+/-0.000 χ^2/NDF: 8742637.3/56

- sign 0.000+/-0.000 χ^2/NDF: 4353163.0/28



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.017 χ^2/NDF:11.4/11

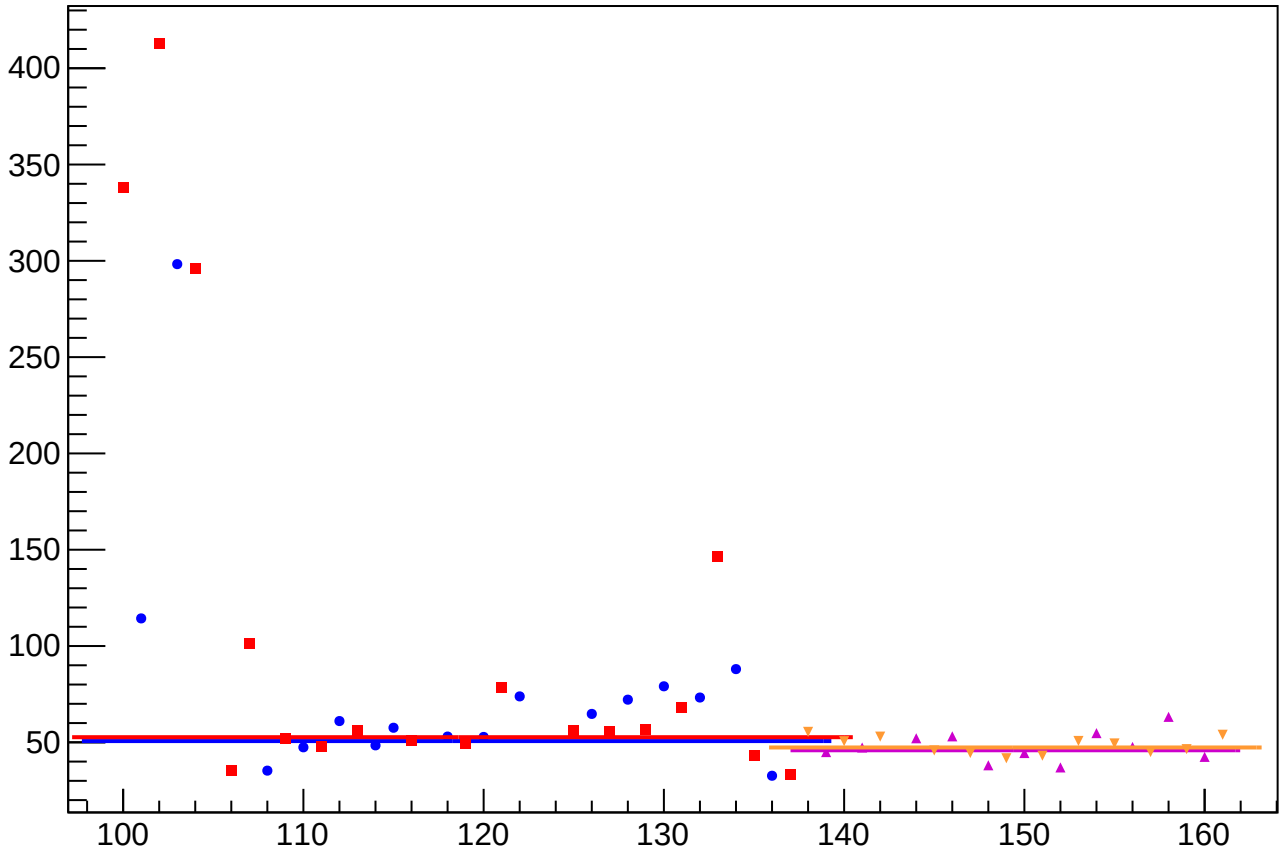
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.003+/-0.016 χ^2/NDF:3.5/10

+ sign -0.025+/-0.013 χ^2/NDF: 27.4/27

All: -0.010+/-0.009 χ^2/NDF: 50.3/56

- sign 0.005+/-0.013 χ^2/NDF: 20.3/28



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.324+/-0.012 χ^2/NDF:127699.1/11

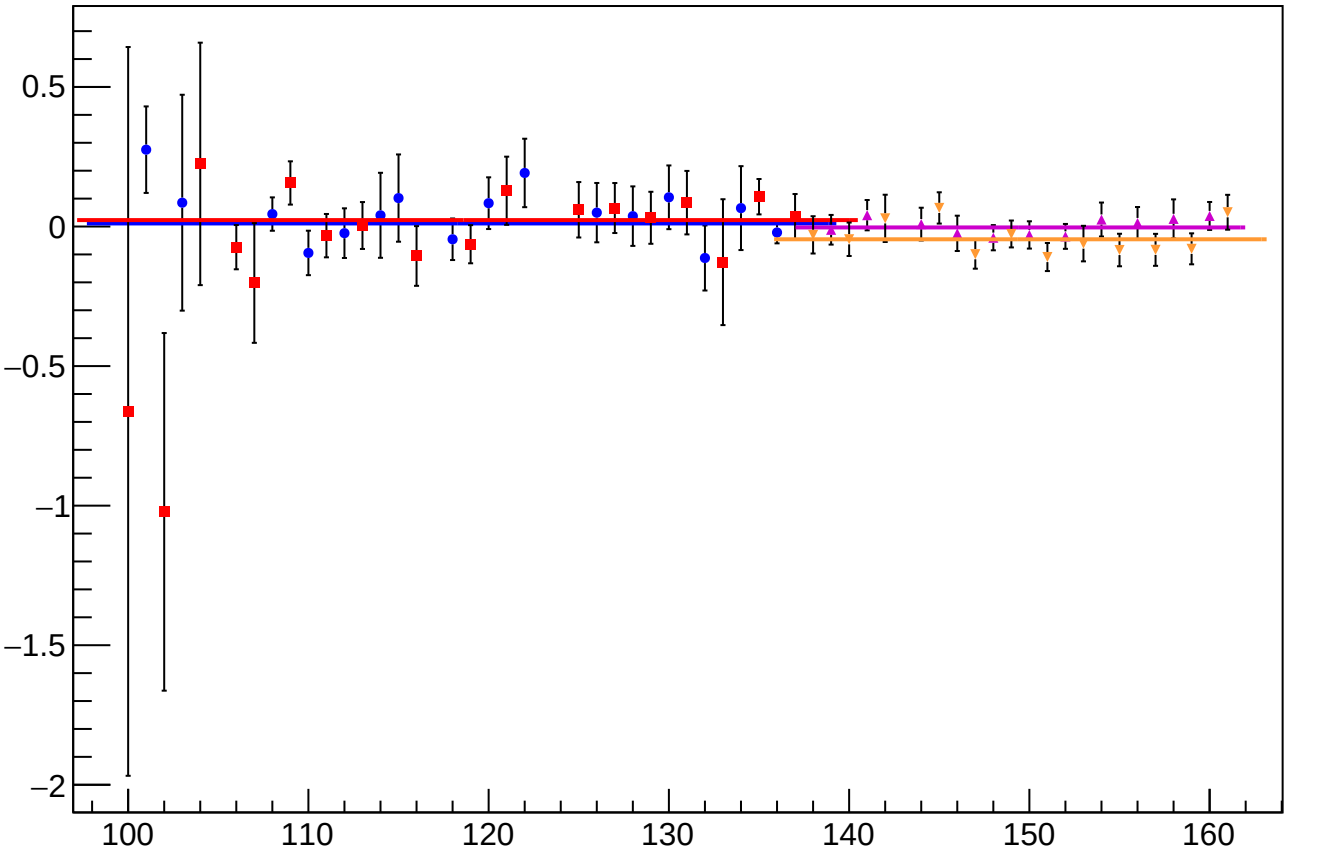
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.877+/-0.011 χ^2/NDF:369512.0/10

\+ sign 48.547+/-0.009 χ^2/NDF: 2423280.5/27

All: 48.327+/-0.007 χ^2/NDF: 5121707.6/56

\- sign 48.108+/-0.009 χ^2/NDF: 2697330.4/28



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.017 χ^2/NDF:11.4/11

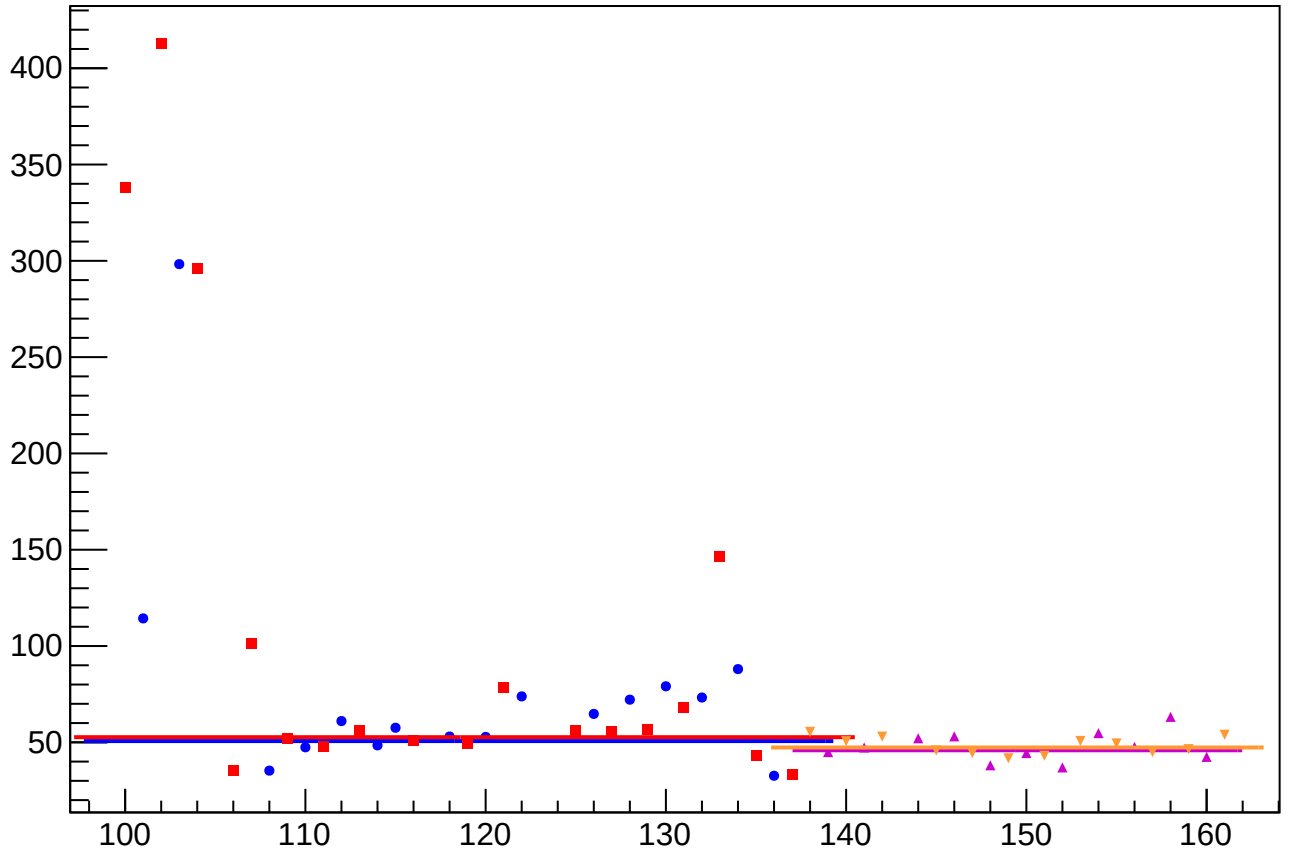
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.003+/-0.016 χ^2/NDF:3.5/10

+ sign -0.025+/-0.013 χ^2/NDF: 27.4/27

All: -0.010+/-0.009 χ^2/NDF: 50.3/56

- sign 0.005+/-0.013 χ^2/NDF: 20.3/28



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.324+/-0.012 χ^2/NDF:127699.1/11

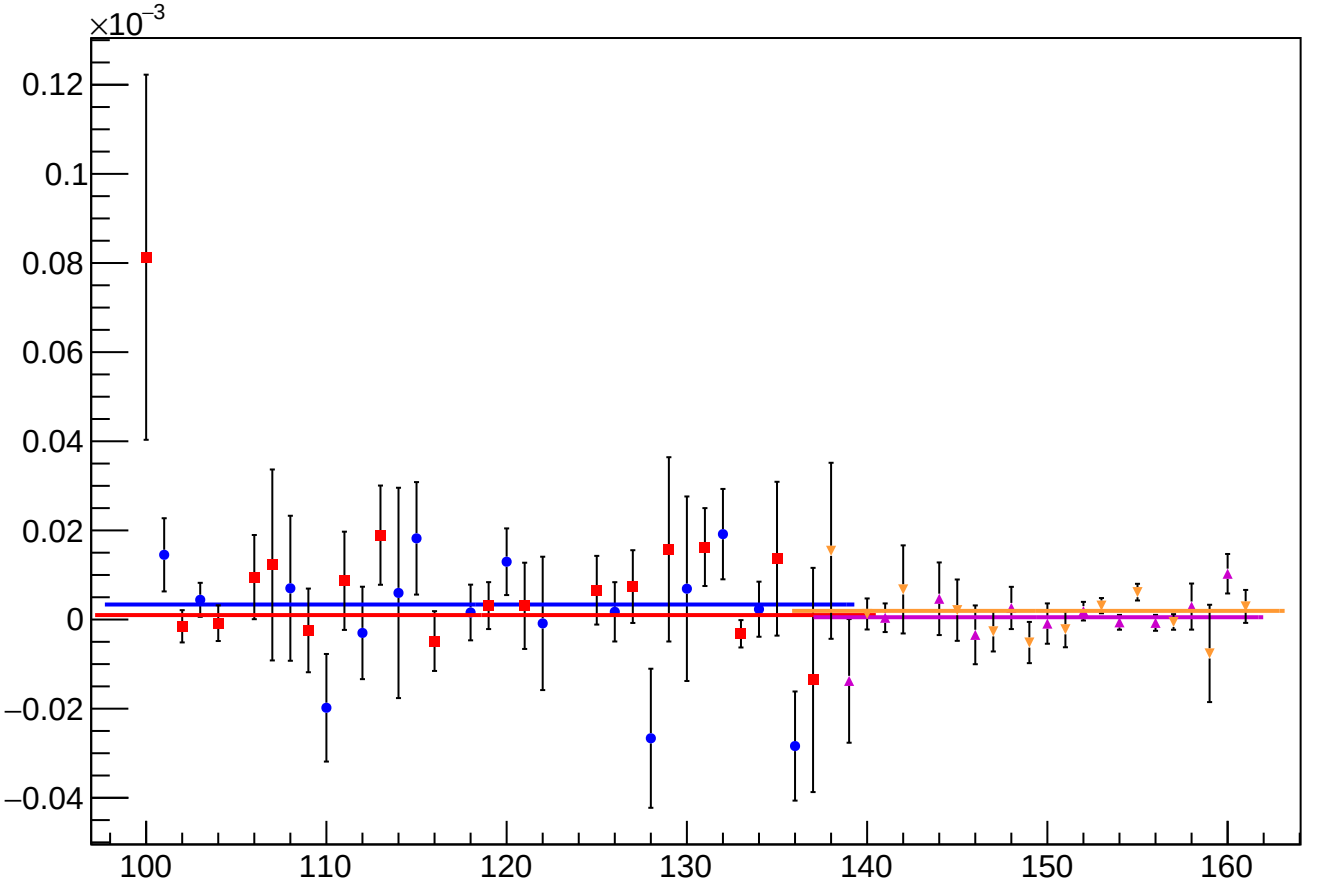
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.877+/-0.011 χ^2/NDF:369512.0/10

\+ sign 48.547+/-0.009 χ^2/NDF: 2423280.5/27

All: 48.327+/-0.007 χ^2/NDF: 5121707.6/56

\- sign 48.108+/-0.009 χ^2/NDF: 2697330.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.6/11

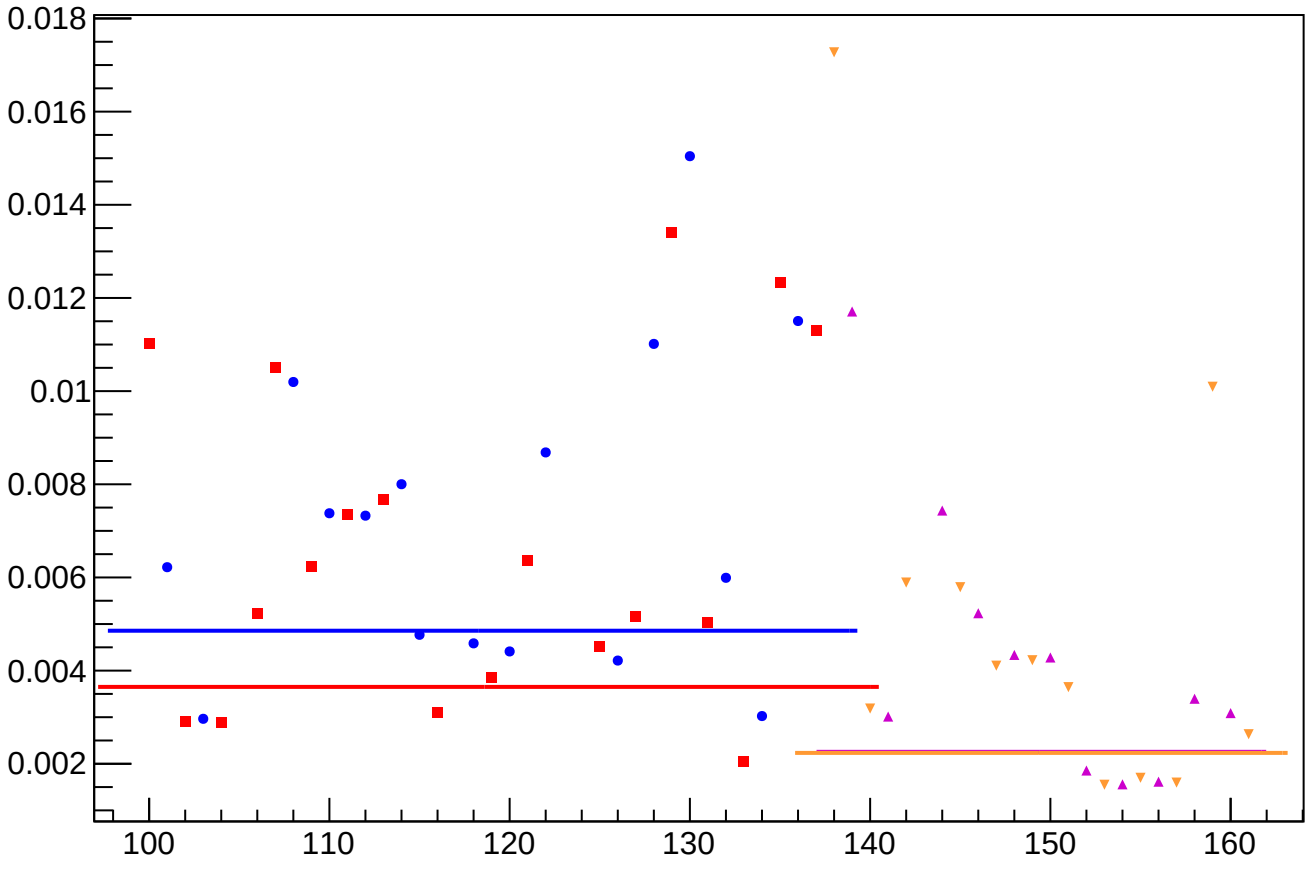
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:8.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 36.2/27

All: 0.000+/-0.000 χ^2/NDF: 63.7/56

- sign 0.000+/-0.000 χ^2/NDF: 25.7/28



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4885867.5/11

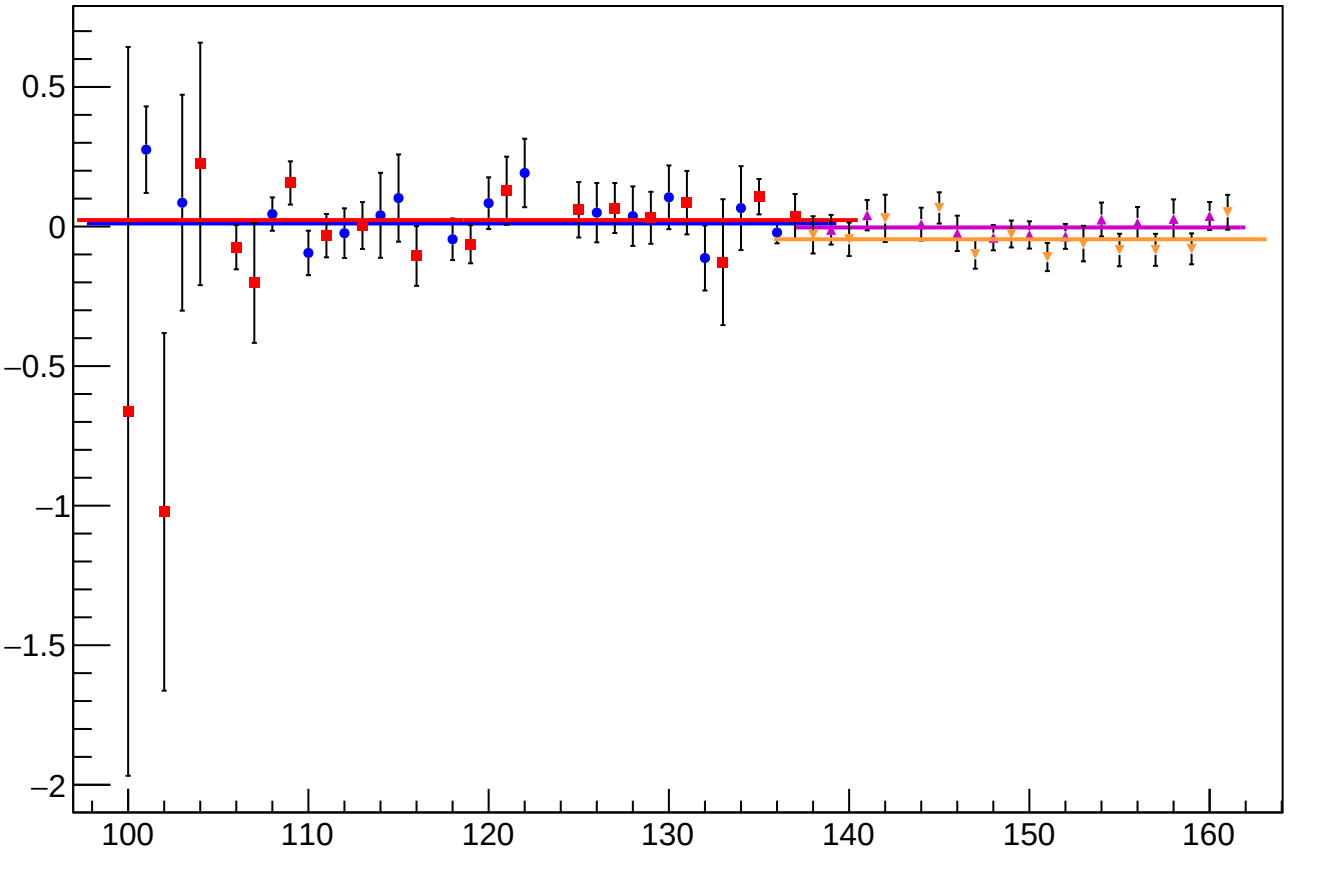
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:3891898.6/10

+ sign 0.003+/-0.000 χ^2/NDF: 10334634.2/27

All: 0.003+/-0.000 χ^2/NDF: 18524438.0/56

- sign 0.003+/-0.000 χ^2/NDF: 8188996.3/28



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.017 χ^2/NDF:11.4/11

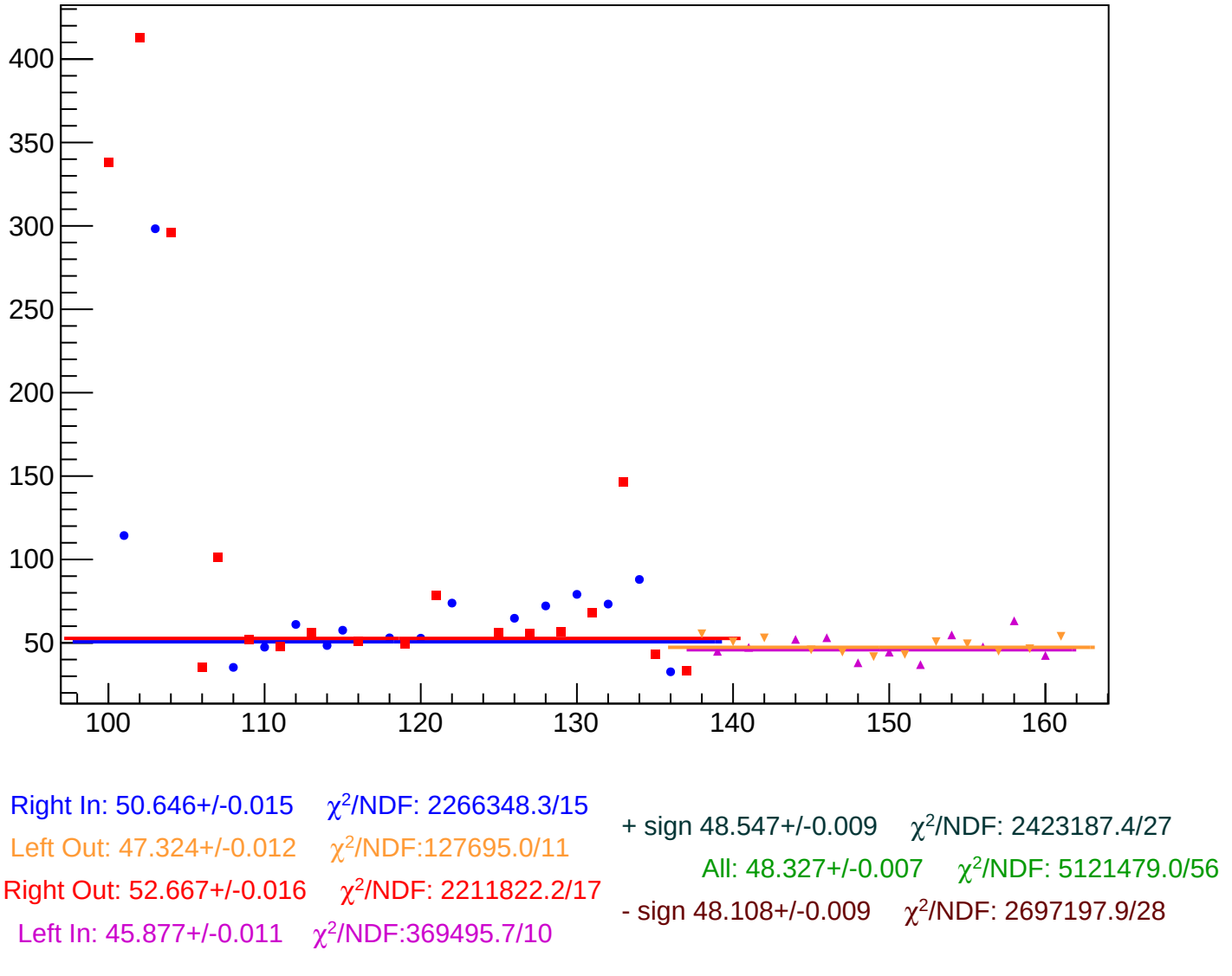
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.003+/-0.016 χ^2/NDF:3.5/10

+ sign -0.025+/-0.013 χ^2/NDF: 27.4/27

All: -0.010+/-0.009 χ^2/NDF: 50.3/56

- sign 0.005+/-0.013 χ^2/NDF: 20.3/28


asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
400
350
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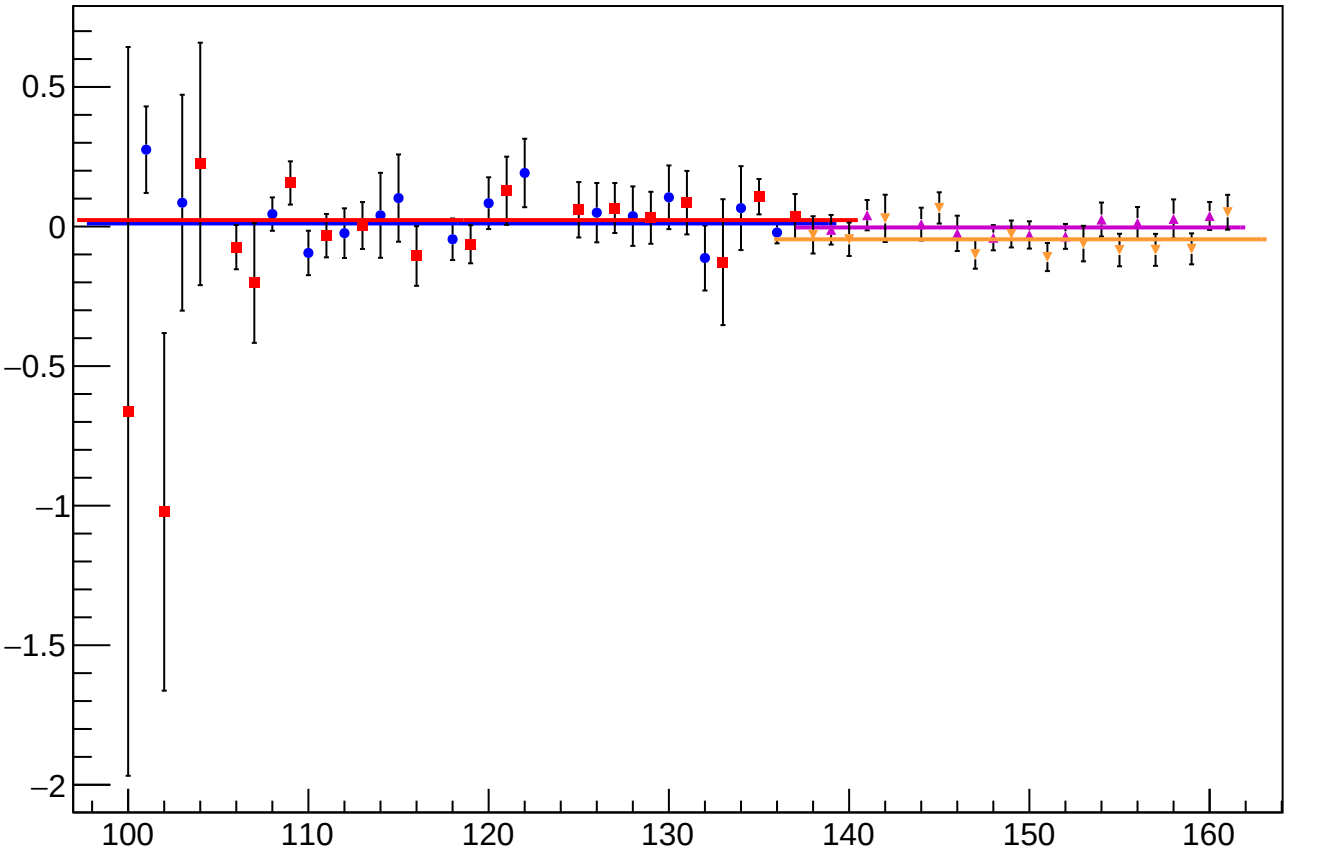
200
150
100
50
100
110
120
130
140
150
160
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 47.324+/-0.012 χ²/NDF:127695.0/11
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 45.877+/-0.011 χ²/NDF:369495.7/10
+ sign 48.547+/-0.009 χ²/NDF: 2423187.4/27
All: 48.327+/-0.007 χ²/NDF: 5121479.0/56
- sign 48.108+/-0.009 χ²/NDF: 2697197.9/28



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.017 χ^2/NDF:11.4/11

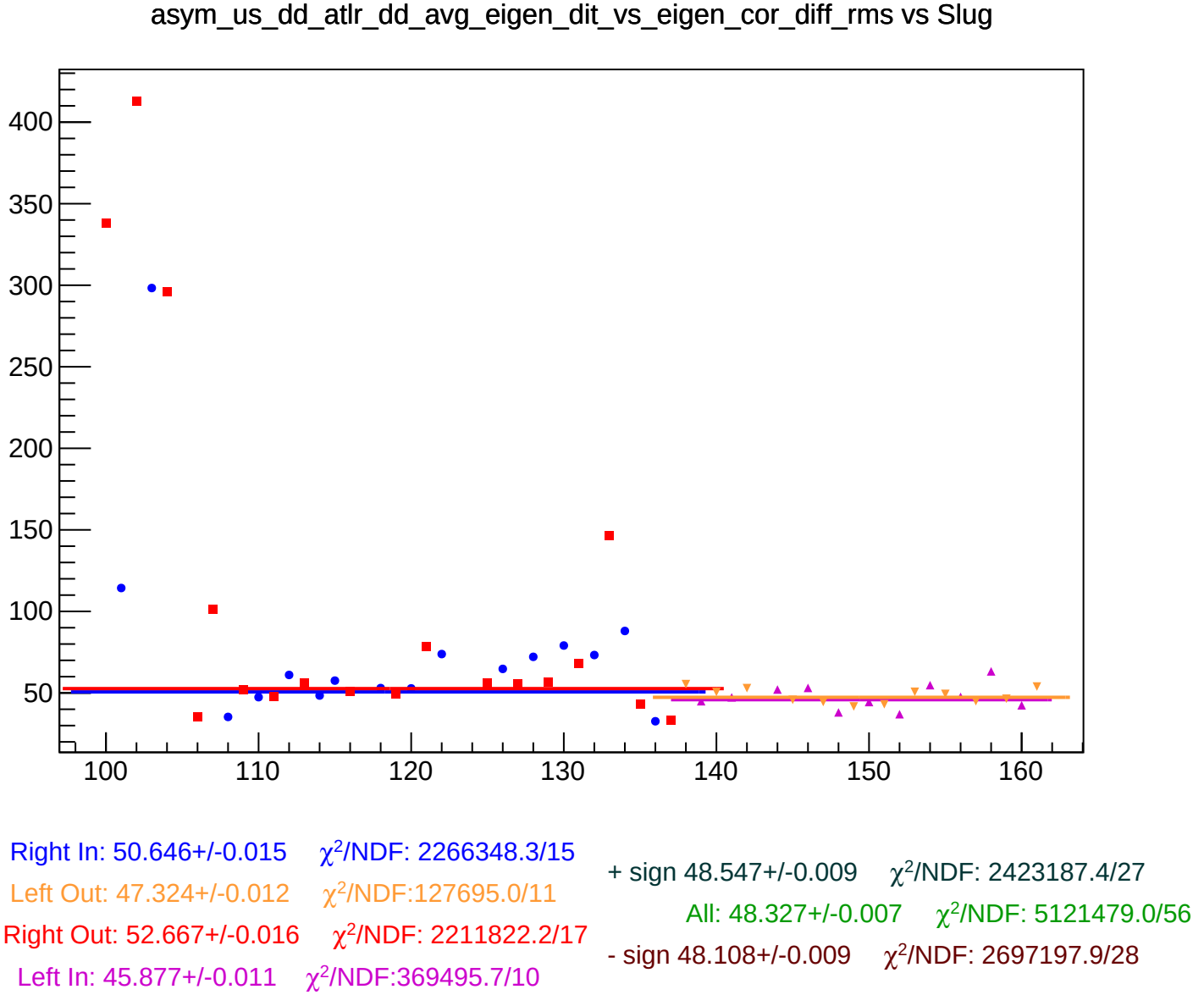
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.003+/-0.016 χ^2/NDF:3.5/10

+ sign -0.025+/-0.013 χ^2/NDF: 27.4/27

All: -0.010+/-0.009 χ^2/NDF: 50.3/56

- sign 0.005+/-0.013 χ^2/NDF: 20.3/28


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
400
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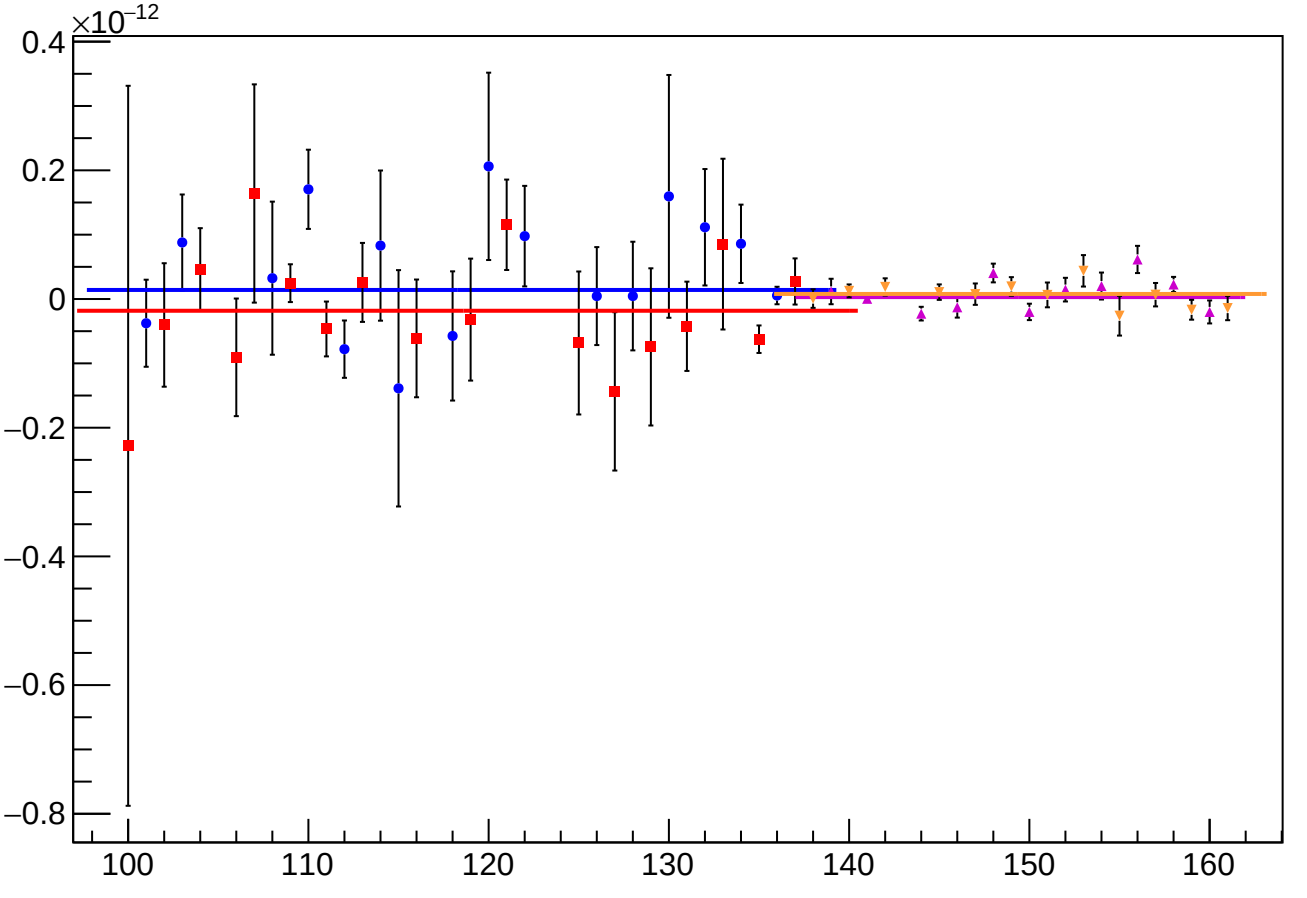
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 47.324+/-0.012 χ²/NDF:127695.0/11
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 45.877+/-0.011 χ²/NDF:369495.7/10
+ sign 48.547+/-0.009 χ²/NDF: 2423187.4/27
All: 48.327+/-0.007 χ²/NDF: 5121479.0/56
- sign 48.108+/-0.009 χ²/NDF: 2697197.9/28



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/11

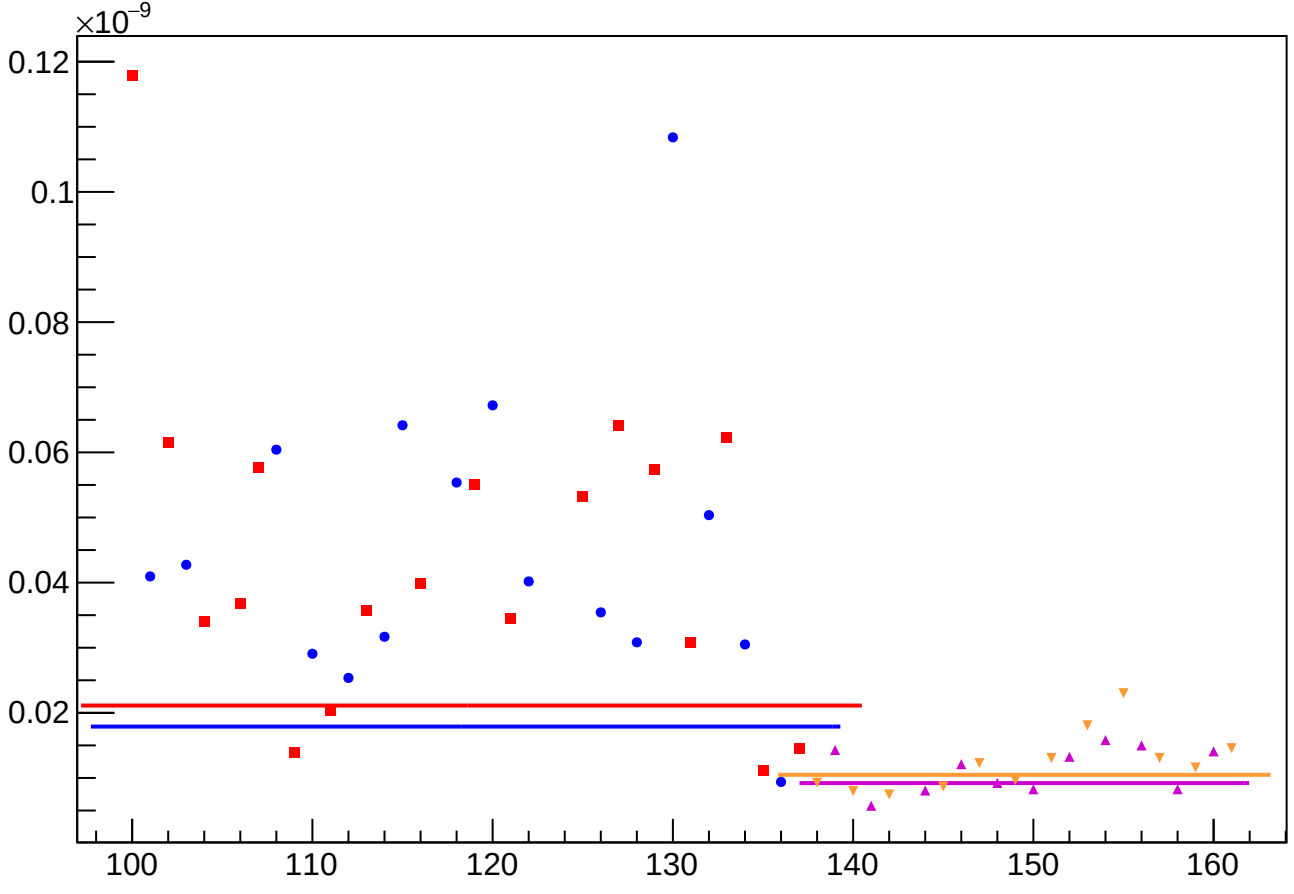
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:30.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 29.7/27

All: 0.000+/-0.000 χ^2/NDF: 82.3/56

- sign 0.000+/-0.000 χ^2/NDF: 50.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1015925.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

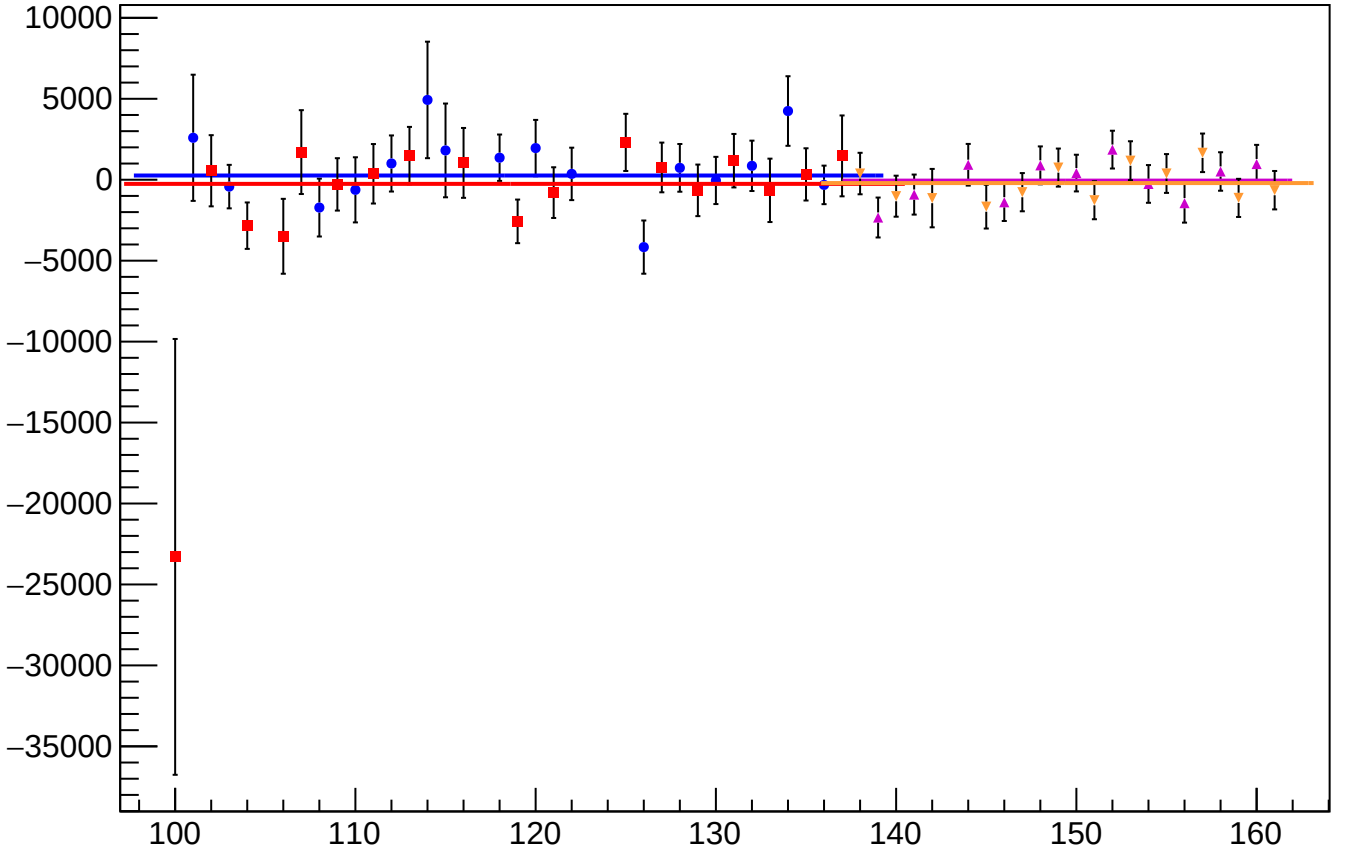
Left In: 0.000+/-0.000 χ^2/NDF:1233615.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 5157210.3/27

All: 0.000+/-0.000 χ^2/NDF: 10721472.7/56

- sign 0.000+/-0.000 χ^2/NDF: 5487064.9/28

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -206.191+/-358.502 χ^2/NDF:8.5/11

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

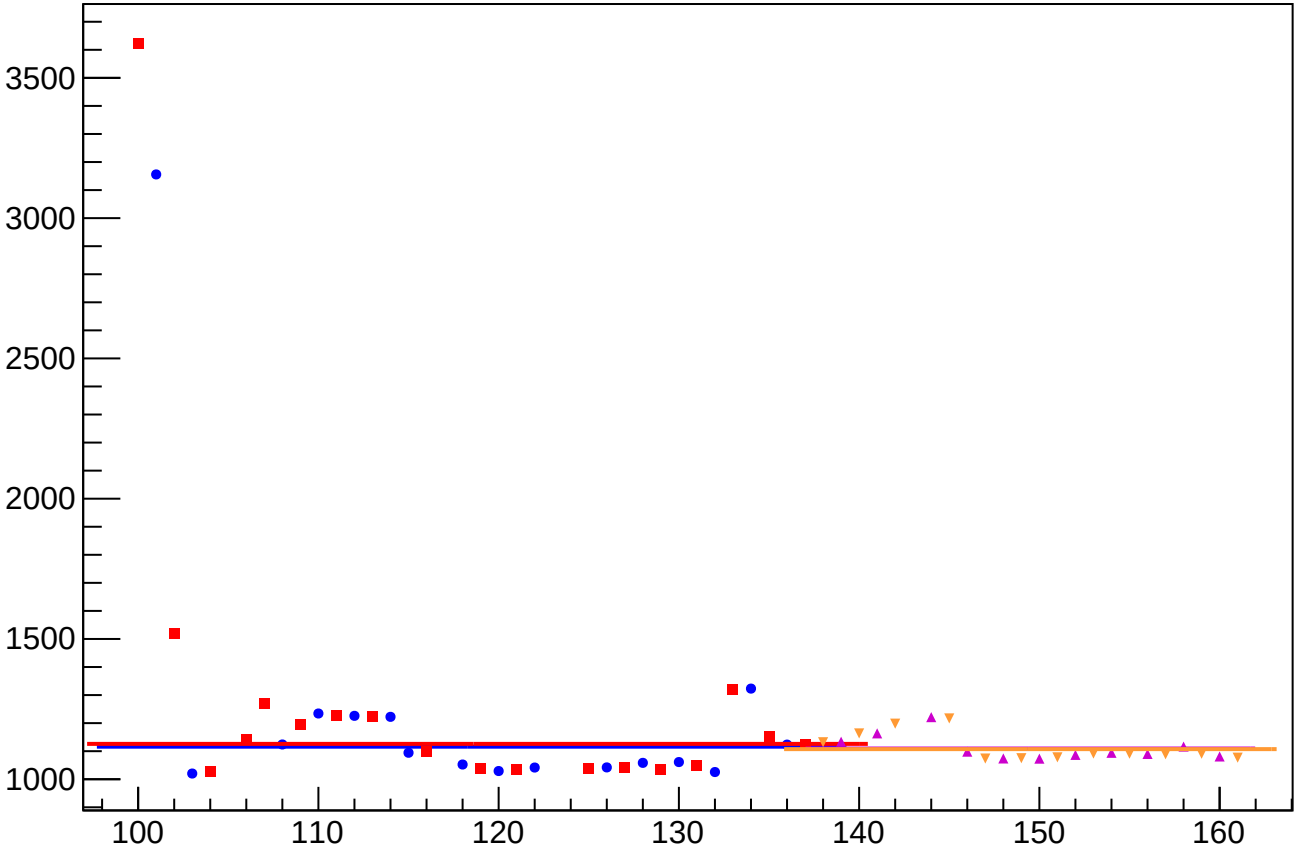
Left In: -54.389+/-359.117 χ^2/NDF:11.7/10

+ sign -11.865+/-273.937 χ^2/NDF: 26.2/27

All: -74.882+/-193.906 χ^2/NDF: 55.5/56

- sign -138.165+/-274.514 χ^2/NDF: 29.2/28

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1107.335+/-0.253 χ^2/NDF:30108.5/11

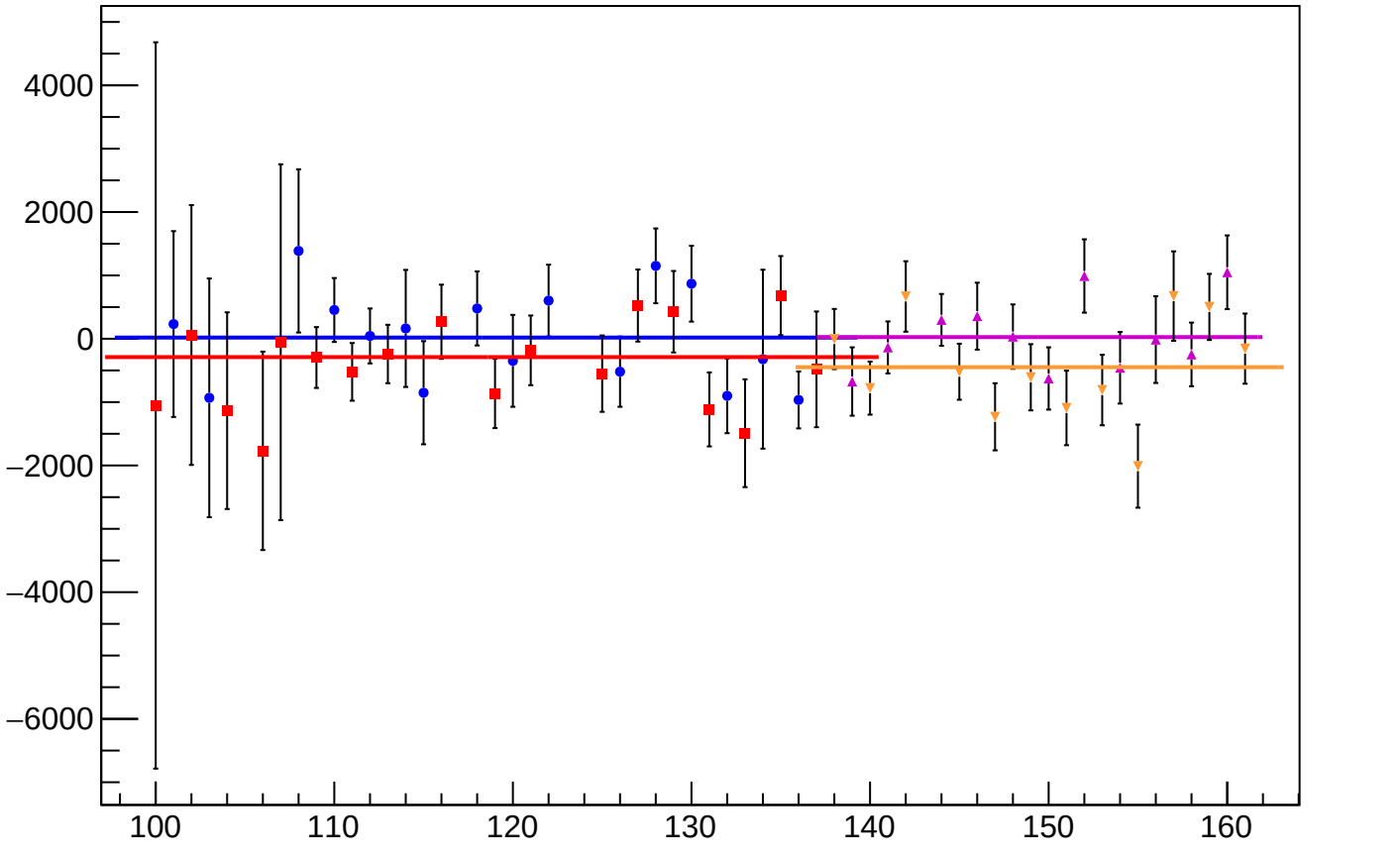
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1109.510+/-0.254 χ^2/NDF:26554.1/10

+ sign 1110.978+/-0.194 χ^2/NDF: 653995.6/27

All: 1113.669+/-0.137 χ^2/NDF: 904798.6/56

- sign 1116.371+/-0.194 χ^2/NDF: 250416.3/28



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -449.157+/-152.312 χ^2/NDF:21.2/11

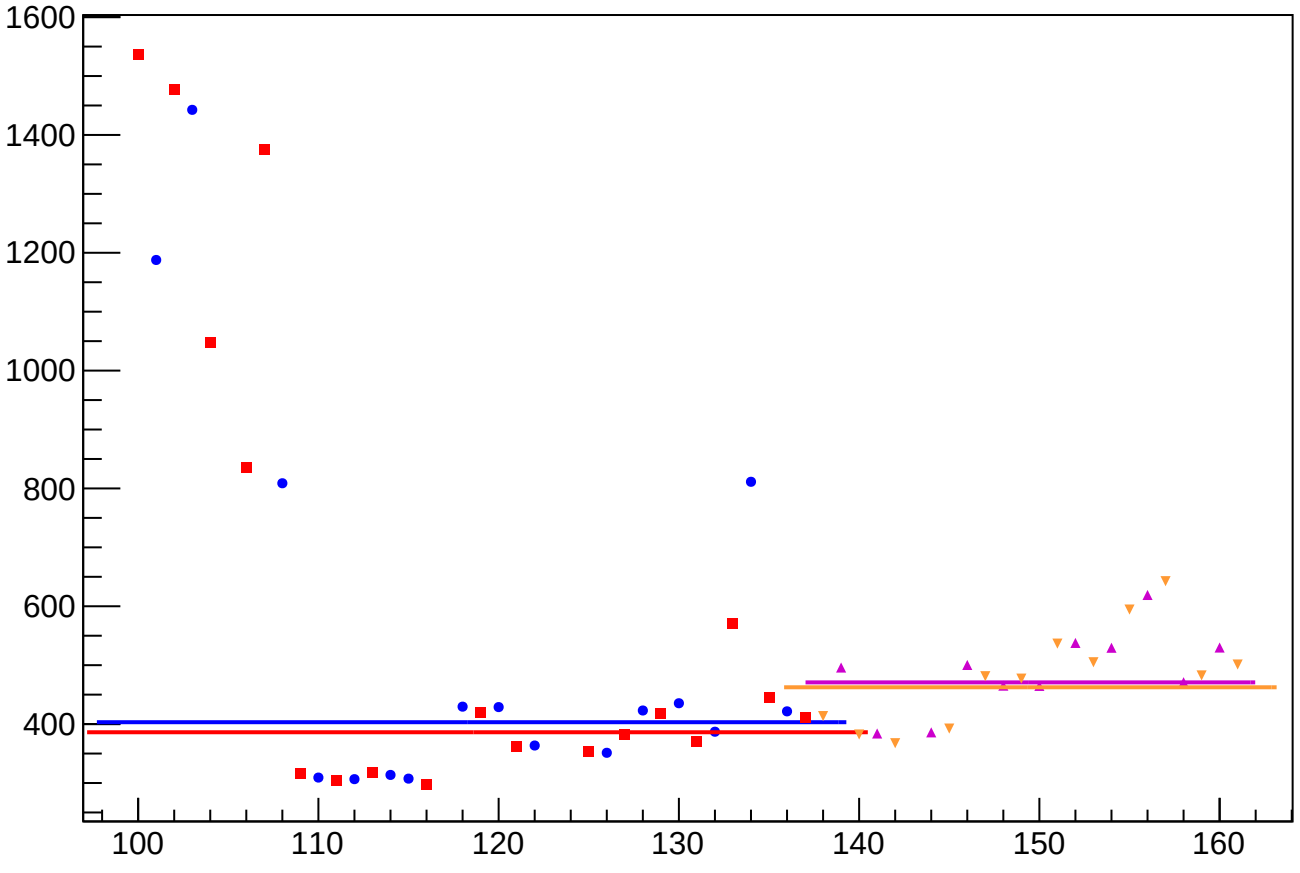
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 25.774+/-154.087 χ^2/NDF:11.3/10

+ sign -228.644+/-110.722 χ^2/NDF: 44.9/27

All: -178.835+/-77.925 χ^2/NDF: 72.2/56

- sign -129.948+/-109.692 χ^2/NDF: 26.9/28



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 462.476+/-0.108 χ^2/NDF:474413.1/11

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

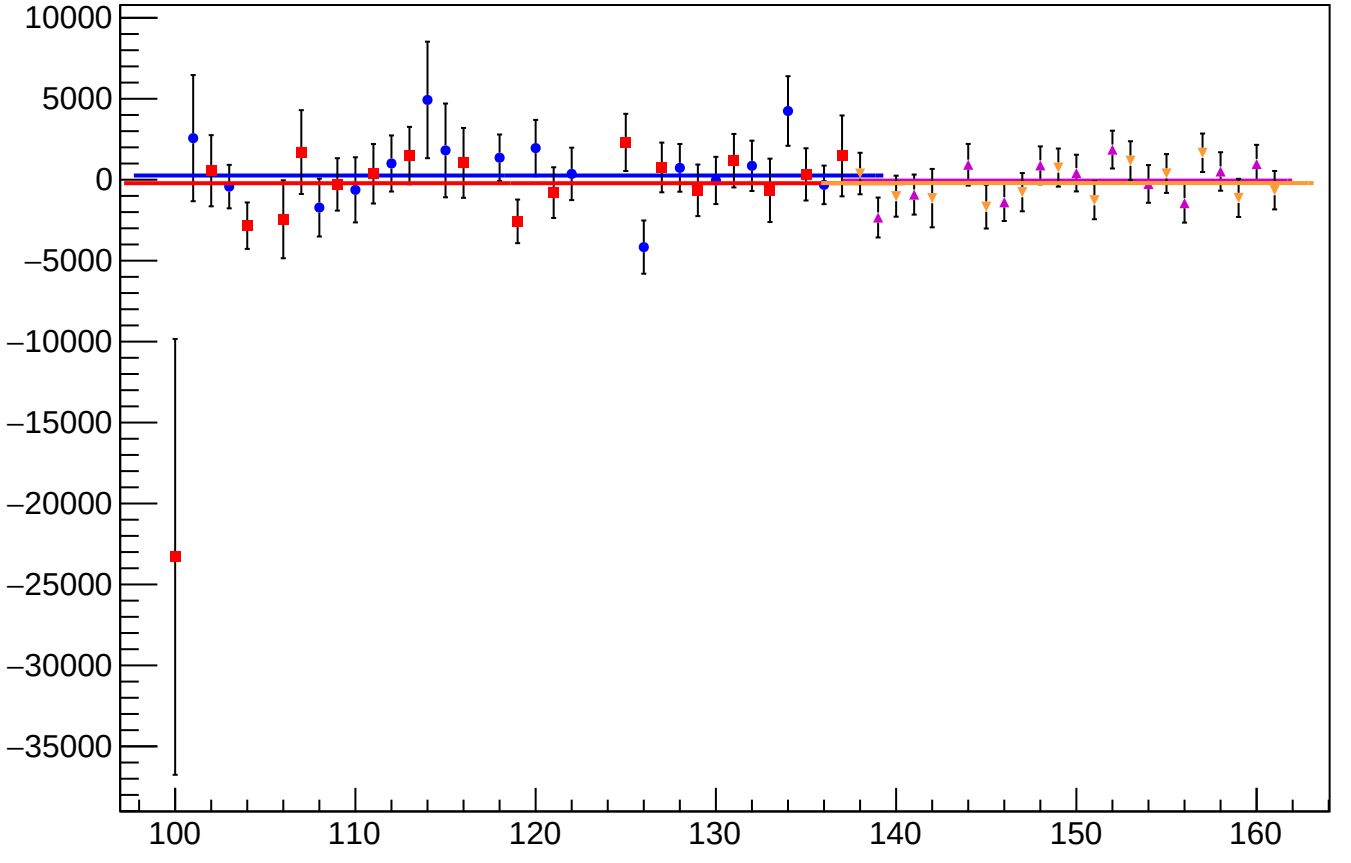
Left In: 470.802+/-0.109 χ^2/NDF:349665.3/10

+ sign 434.521+/-0.078 χ^2/NDF: 2425713.4/27

All: 431.759+/-0.055 χ^2/NDF: 4834711.9/56

- sign 429.047+/-0.078 χ^2/NDF: 2406531.8/28

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -206.199+/-358.502 χ^2/NDF:8.5/11

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

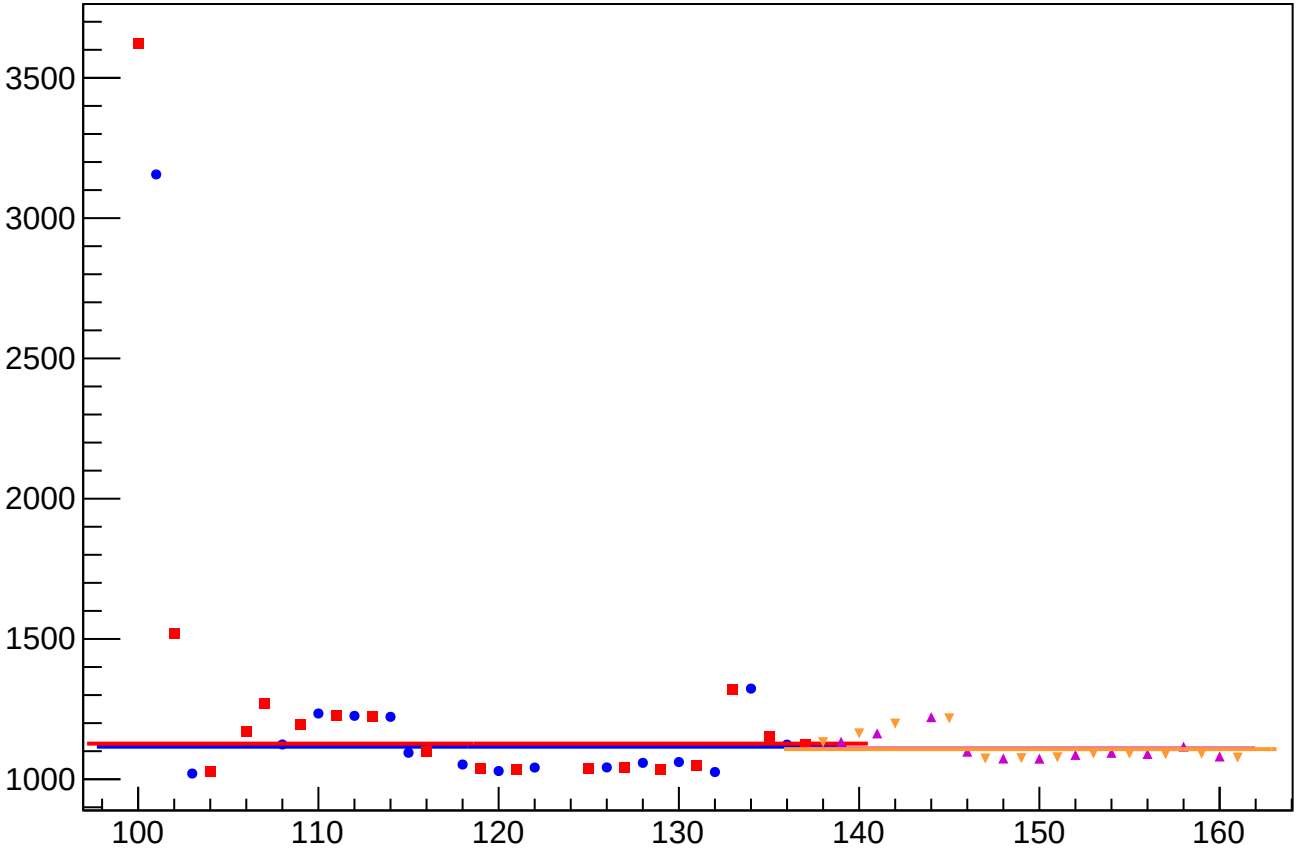
Left In: -54.390+/-359.117 χ^2/NDF:11.7/10

+ sign -12.029+/-273.937 χ^2/NDF: 26.2/27

All: -66.291+/-193.959 χ^2/NDF: 54.2/56

- sign -120.842+/-274.663 χ^2/NDF: 28.0/28

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1107.335+/-0.253 χ^2/NDF:30108.5/11

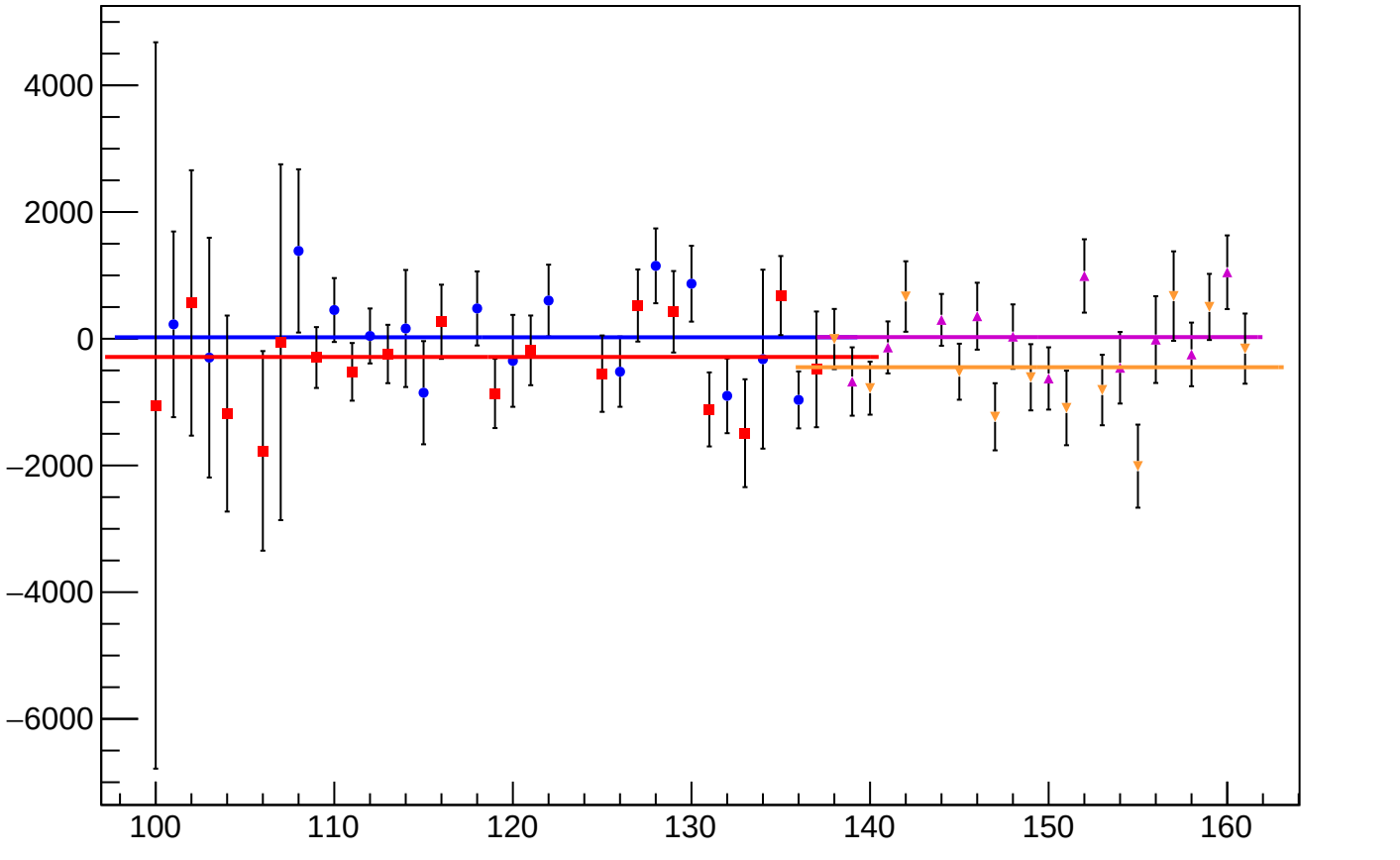
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1109.510+/-0.254 χ^2/NDF:26554.1/10

\+ sign 1110.978+/-0.194 χ^2/NDF: 653996.6/27

All: 1113.858+/-0.137 χ^2/NDF: 905694.0/56

\- sign 1116.752+/-0.194 χ^2/NDF: 251254.3/28



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -449.257+/-152.312 χ^2/NDF:21.2/11

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

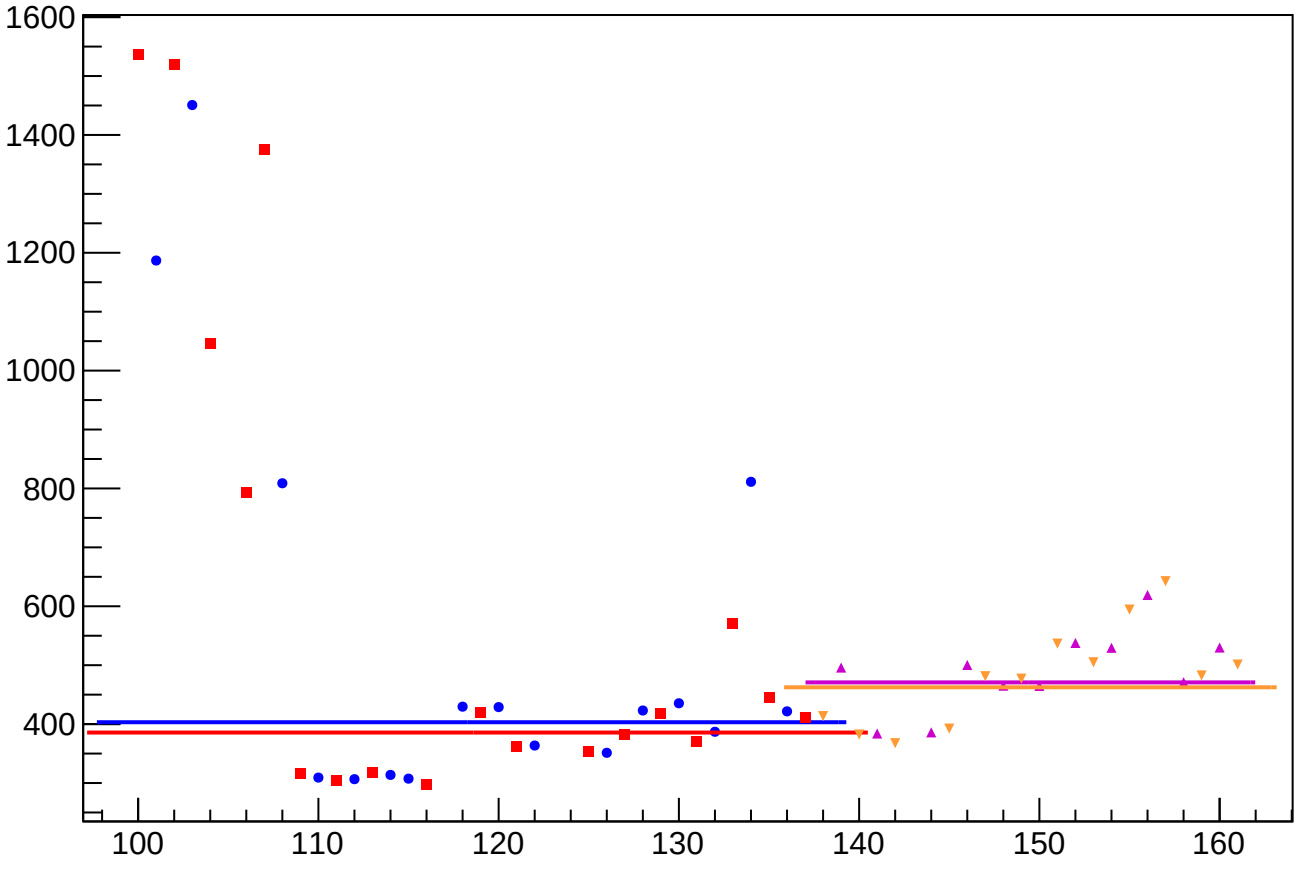
Left In: 25.730+/-154.086 χ^2/NDF:11.4/10

+ sign -226.599+/-110.722 χ^2/NDF: 44.7/27

All: -177.243+/-77.928 χ^2/NDF: 72.2/56

- sign -128.795+/-109.699 χ^2/NDF: 27.0/28

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 462.473+/-0.108 χ^2/NDF:474436.8/11

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

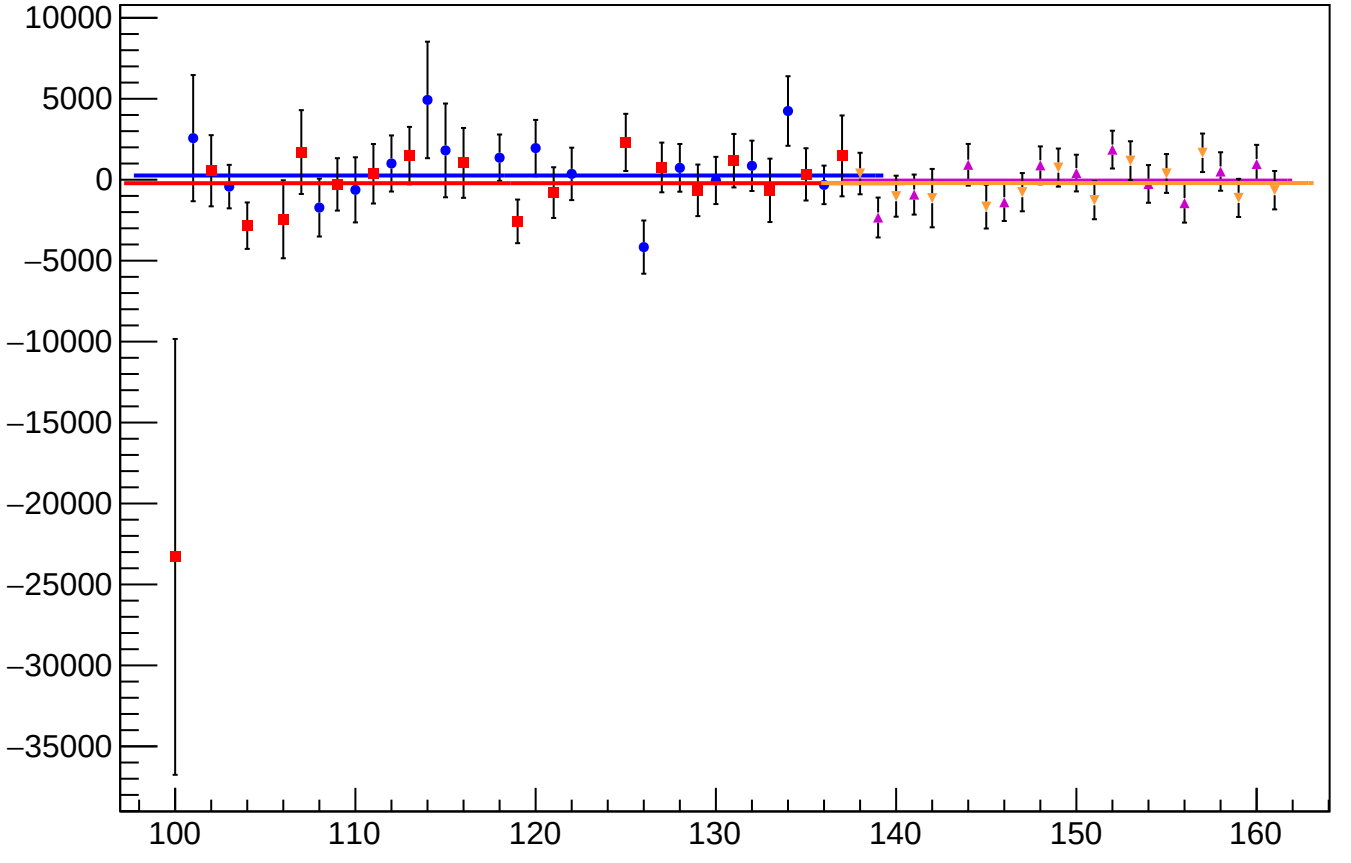
Left In: 470.798+/-0.109 χ^2/NDF:349645.2/10

+ sign 434.514+/-0.078 χ^2/NDF: 2429461.3/27

All: 431.642+/-0.055 χ^2/NDF: 4829885.9/56

- sign 428.823+/-0.078 χ^2/NDF: 2397757.9/28

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: -206.199+/-358.502 χ^2/NDF:8.5/11

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

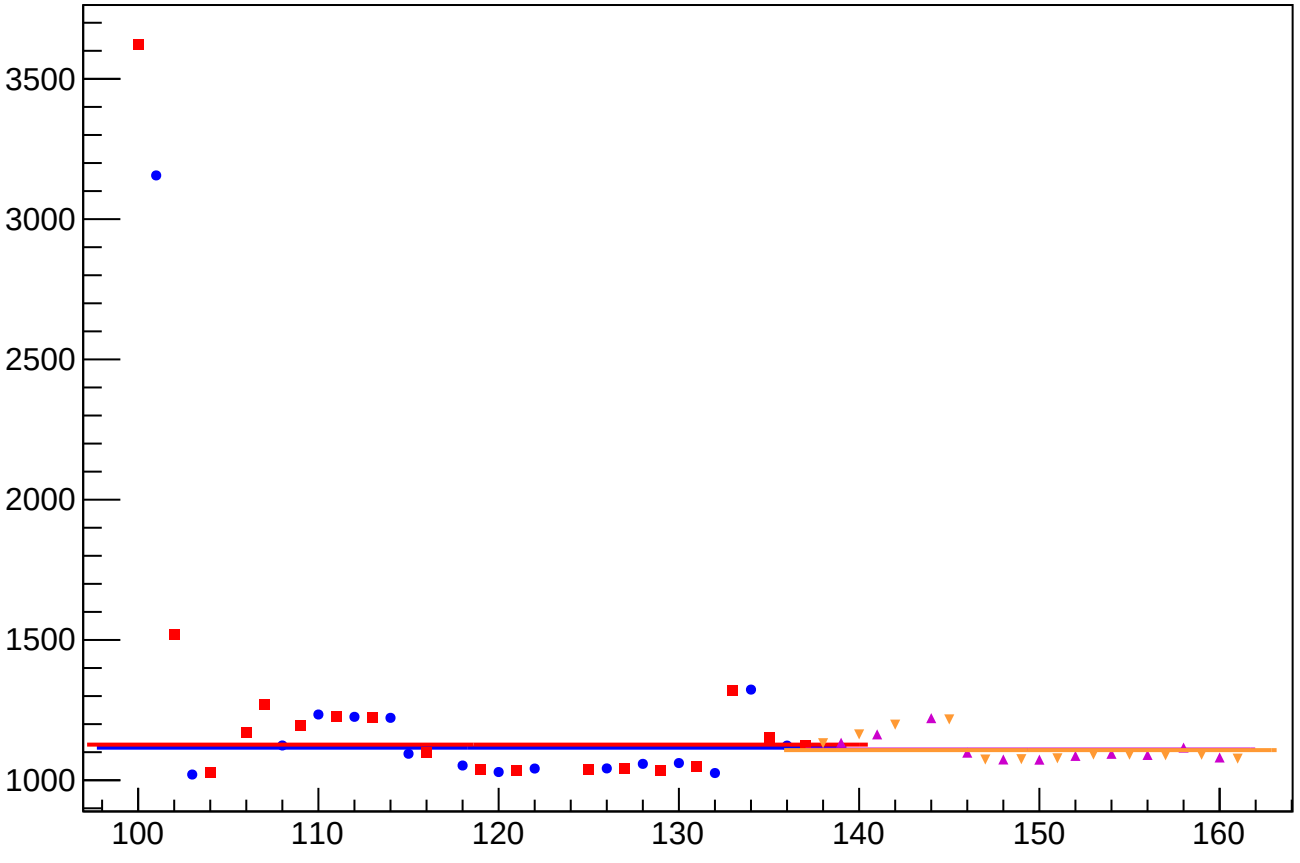
Left In: -54.390+/-359.117 χ^2/NDF:11.7/10

+ sign -12.029+/-273.937 χ^2/NDF: 26.2/27

All: -66.291+/-193.959 χ^2/NDF: 54.2/56

- sign -120.842+/-274.663 χ^2/NDF: 28.0/28

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: 1107.335+/-0.253 χ^2/NDF:30108.5/11

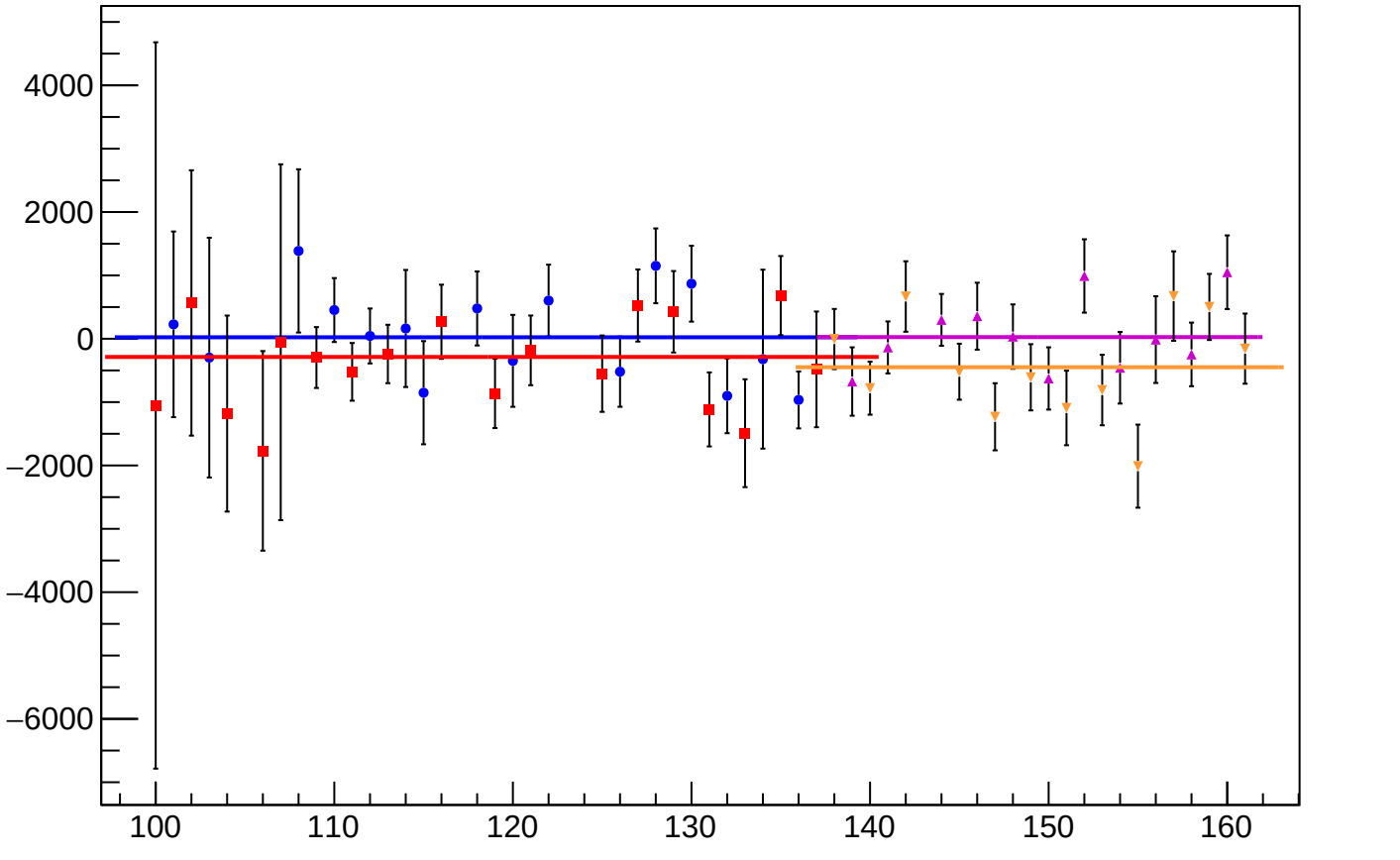
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1109.510+/-0.254 χ^2/NDF:26554.1/10

+ sign 1110.978+/-0.194 χ^2/NDF: 653996.6/27

All: 1113.858+/-0.137 χ^2/NDF: 905694.0/56

- sign 1116.752+/-0.194 χ^2/NDF: 251254.3/28



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -449.257+/-152.312 χ^2/NDF:21.2/11

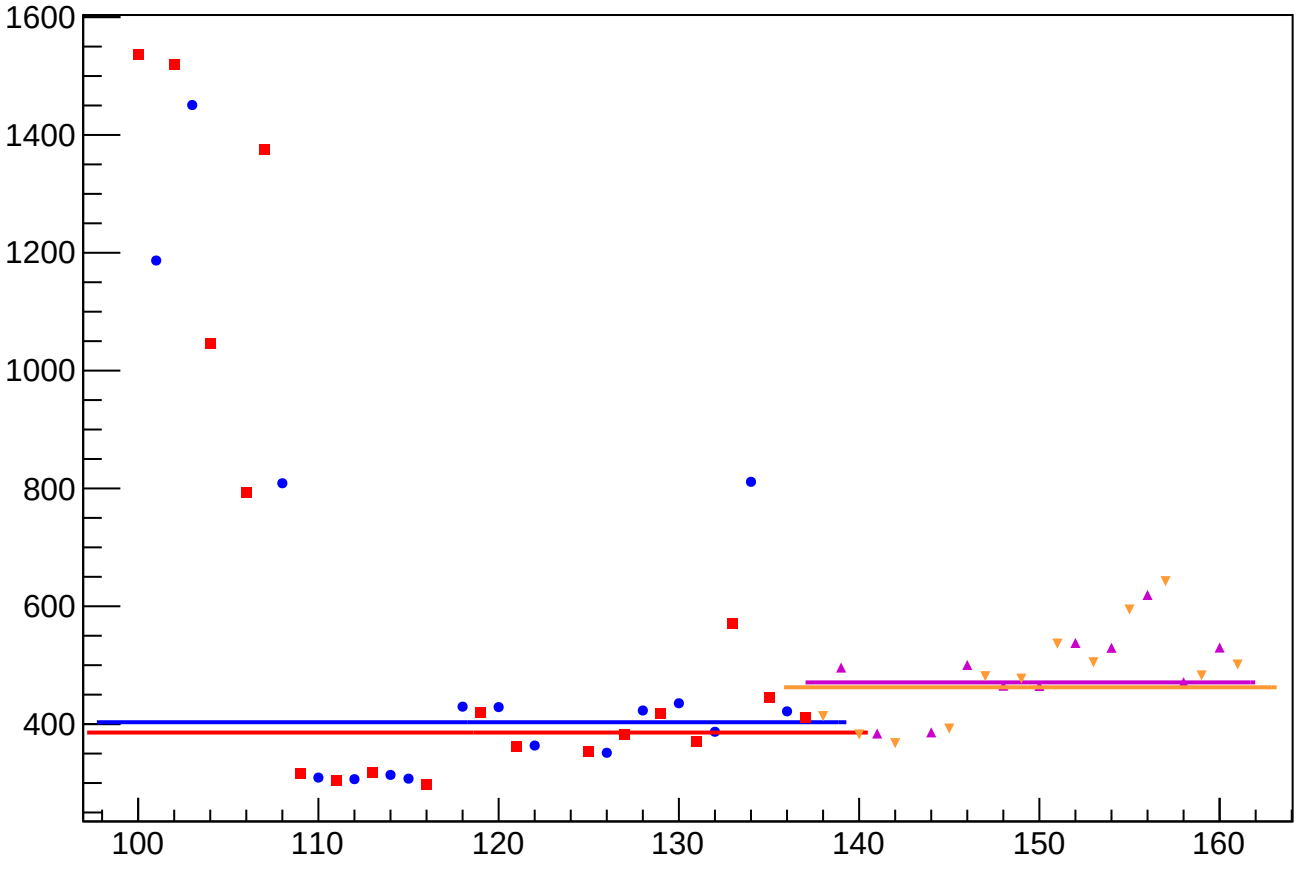
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 25.730+/-154.086 χ^2/NDF:11.4/10

\+ sign -226.599+/-110.722 χ^2/NDF: 44.7/27

All: -177.243+/-77.928 χ^2/NDF: 72.2/56

\- sign -128.795+/-109.699 χ^2/NDF: 27.0/28



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 462.473+/-0.108 χ^2/NDF:474436.8/11

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

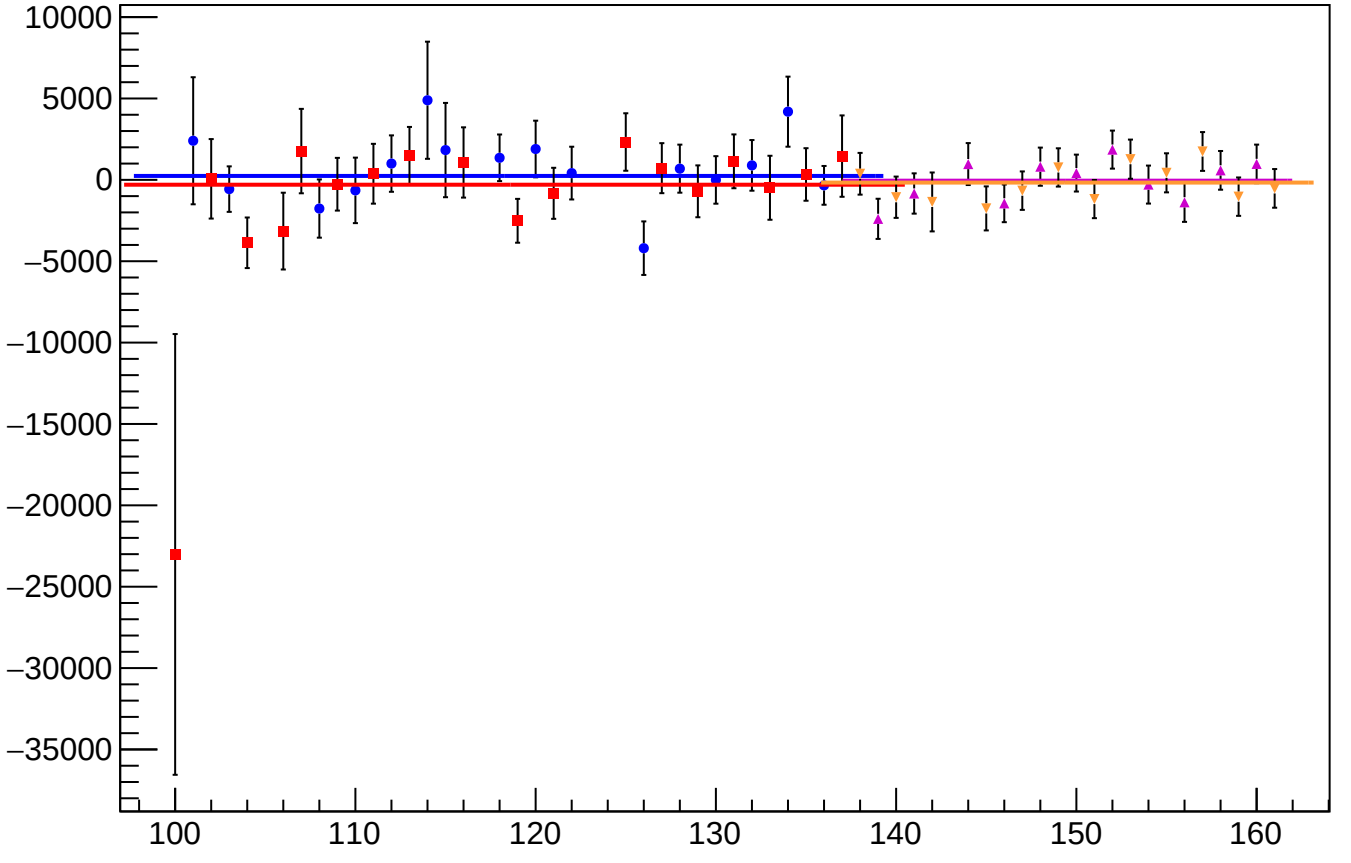
Left In: 470.798+/-0.109 χ^2/NDF:349645.2/10

+ sign 434.514+/-0.078 χ^2/NDF: 2429461.3/27

All: 431.642+/-0.055 χ^2/NDF: 4829885.9/56

- sign 428.823+/-0.078 χ^2/NDF: 2397757.9/28

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -167.508+/-358.934 χ^2/NDF:8.9/11

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

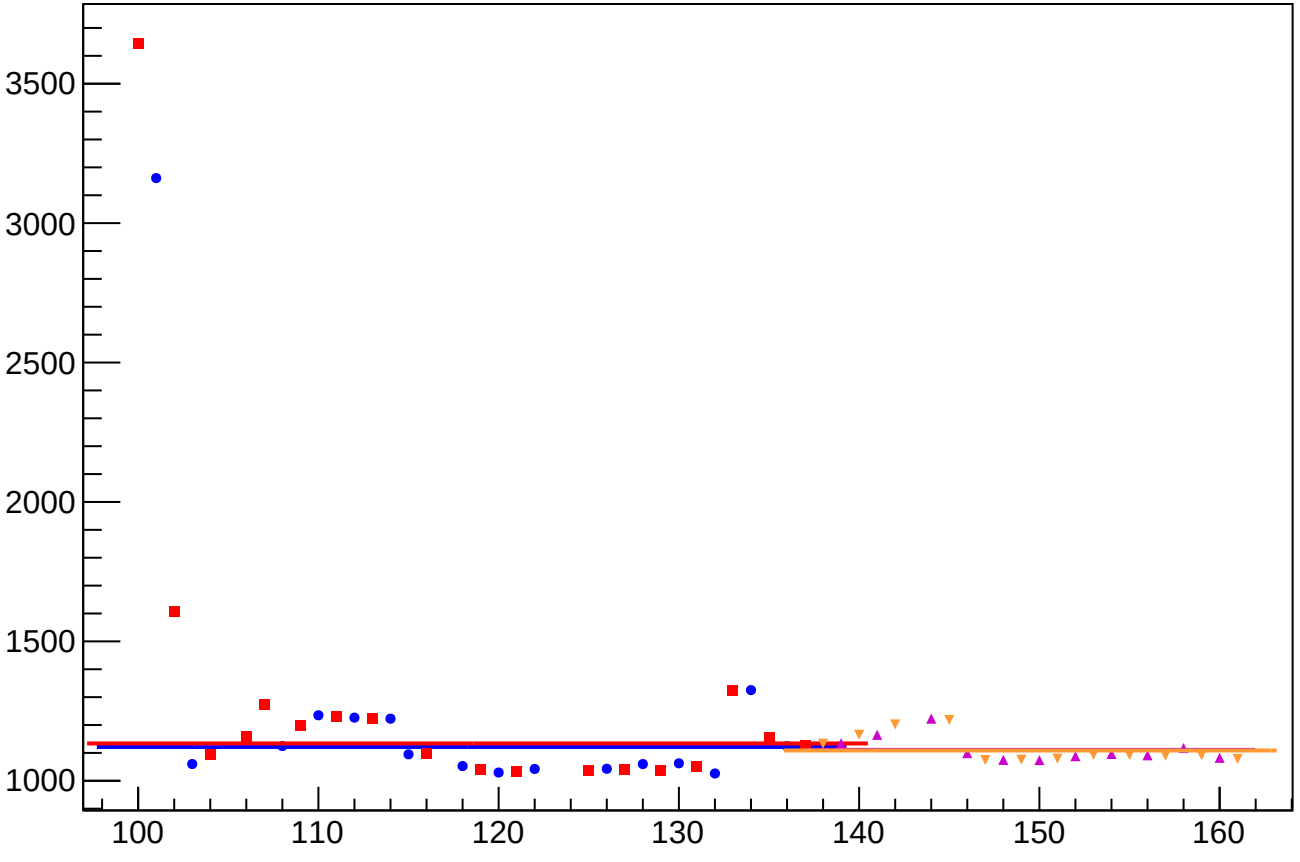
Left In: -50.749+/-359.514 χ^2/NDF:11.8/10

+ sign 1.748+/-274.648 χ^2/NDF: 26.4/27

All: -75.063+/-194.687 χ^2/NDF: 57.2/56

- sign -152.640+/-276.016 χ^2/NDF: 30.6/28

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1108.653+/-0.254 χ^2/NDF:30458.8/11

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

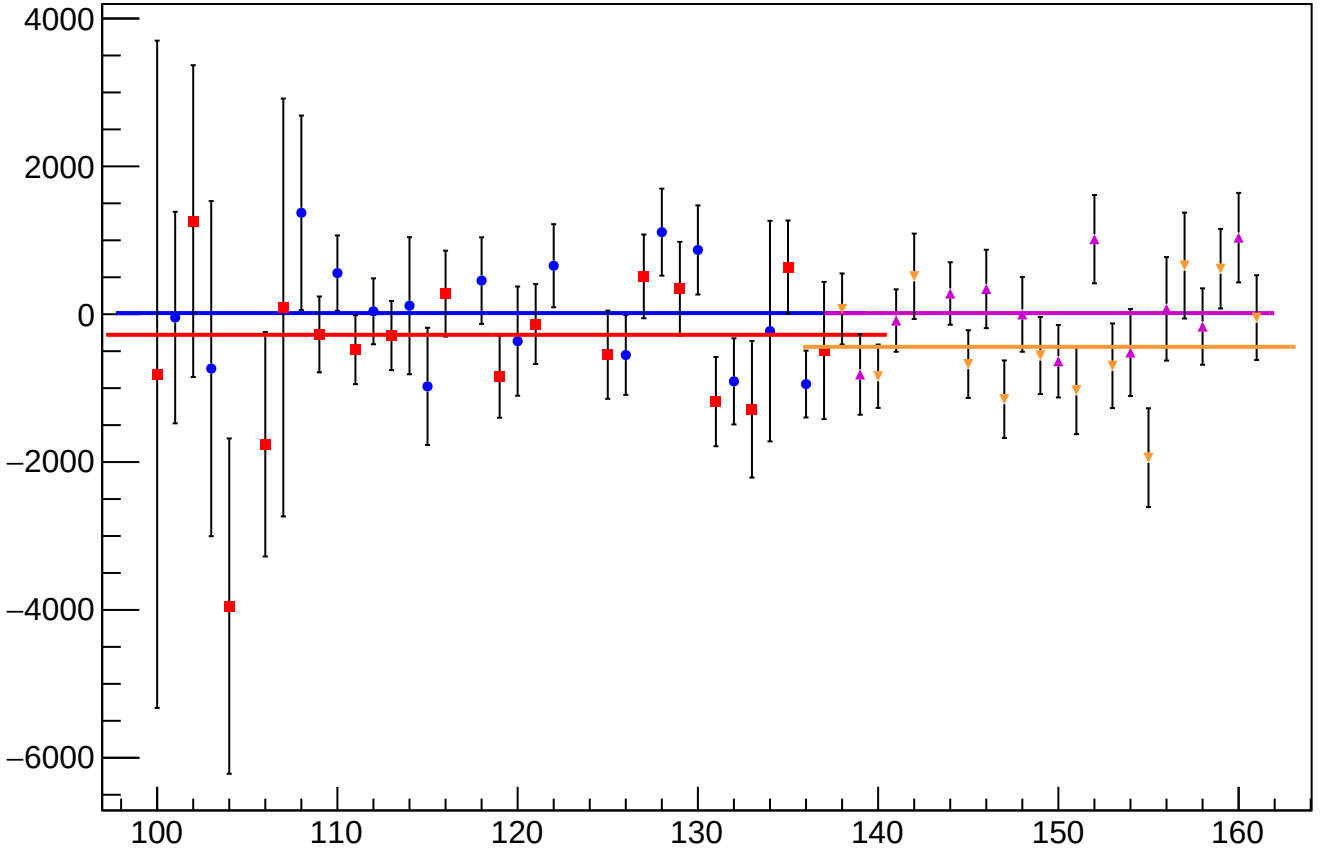
Left In: 1110.730+/-0.254 χ^2/NDF:26626.5/10

+ sign 1113.893+/-0.194 χ^2/NDF: 648515.5/27

All: 1117.058+/-0.138 χ^2/NDF: 906552.3/56

- sign 1120.255+/-0.195 χ^2/NDF: 257502.9/28

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -441.208+/-155.351 χ^2/NDF:19.8/11

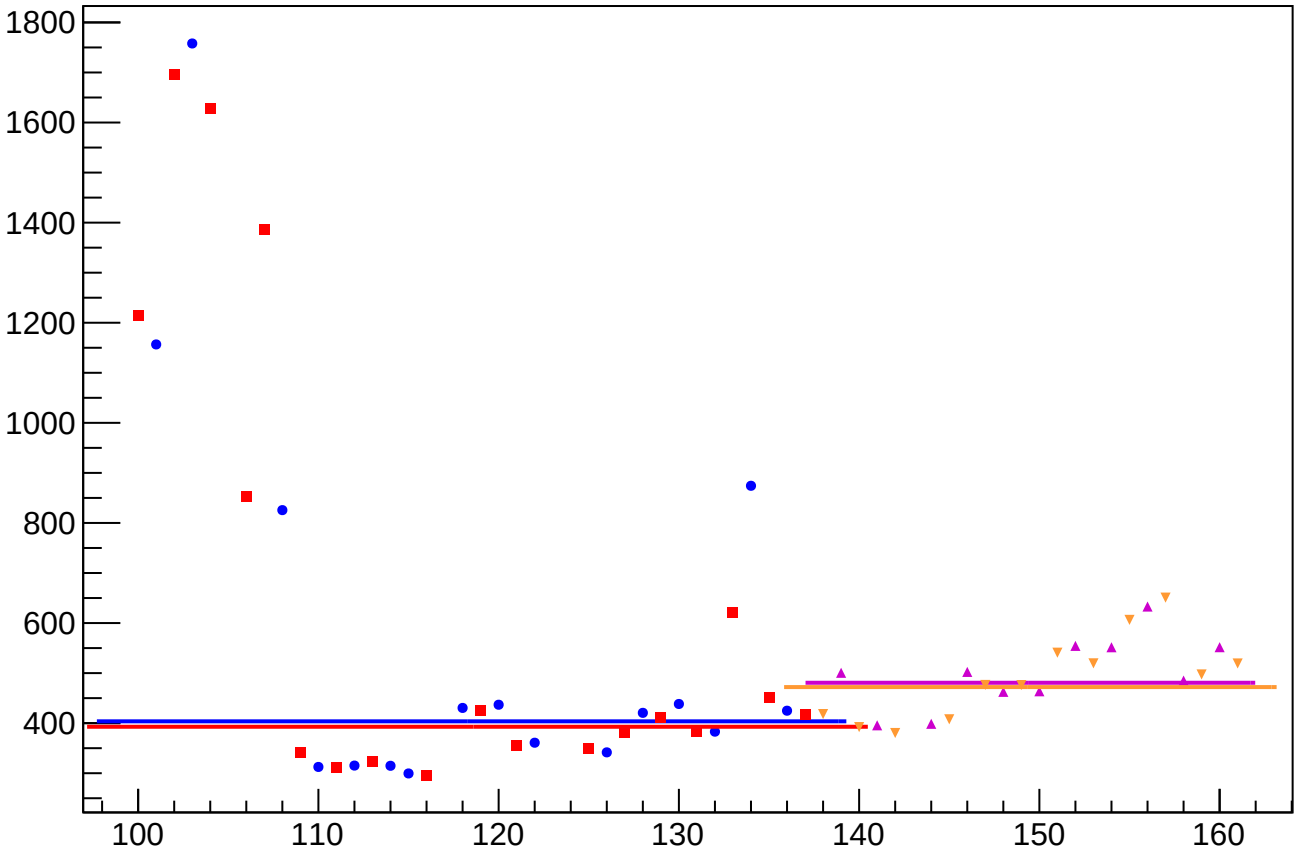
Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 14.959+/-157.290 χ^2/NDF:11.5/10

+ sign -222.300+/-112.076 χ^2/NDF: 43.5/27

All: -176.130+/-79.138 χ^2/NDF: 72.2/56

- sign -130.220+/-111.760 χ^2/NDF: 28.3/28



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 472.077+/-0.110 χ^2/NDF:448672.3/11

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

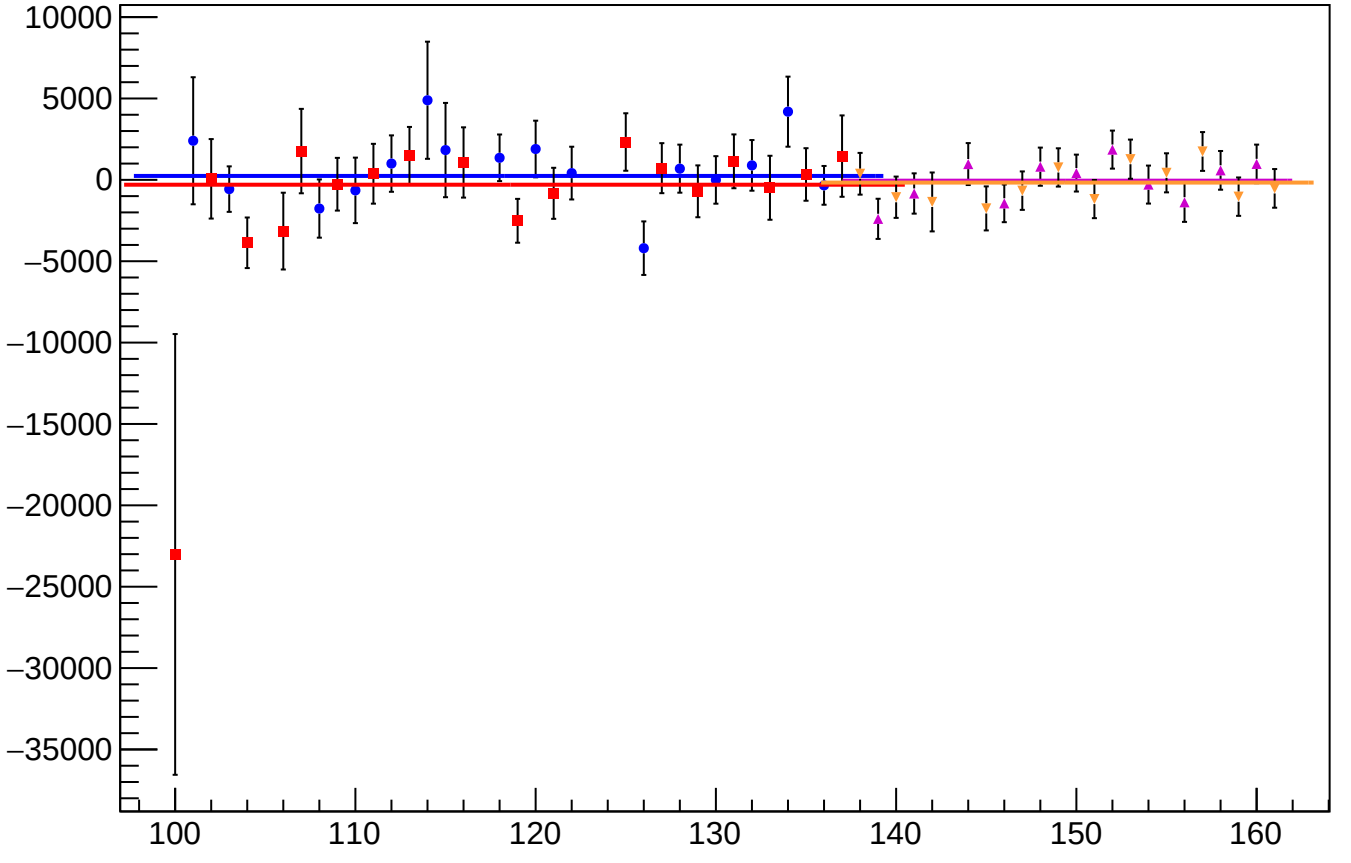
Left In: 480.710+/-0.111 χ^2/NDF:349121.5/10

+ sign 439.267+/-0.079 χ^2/NDF: 2564307.7/27

All: 438.227+/-0.056 χ^2/NDF: 5426421.1/56

- sign 437.193+/-0.079 χ^2/NDF: 2861770.0/28

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -167.513+/-358.934 χ^2/NDF:8.9/11

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

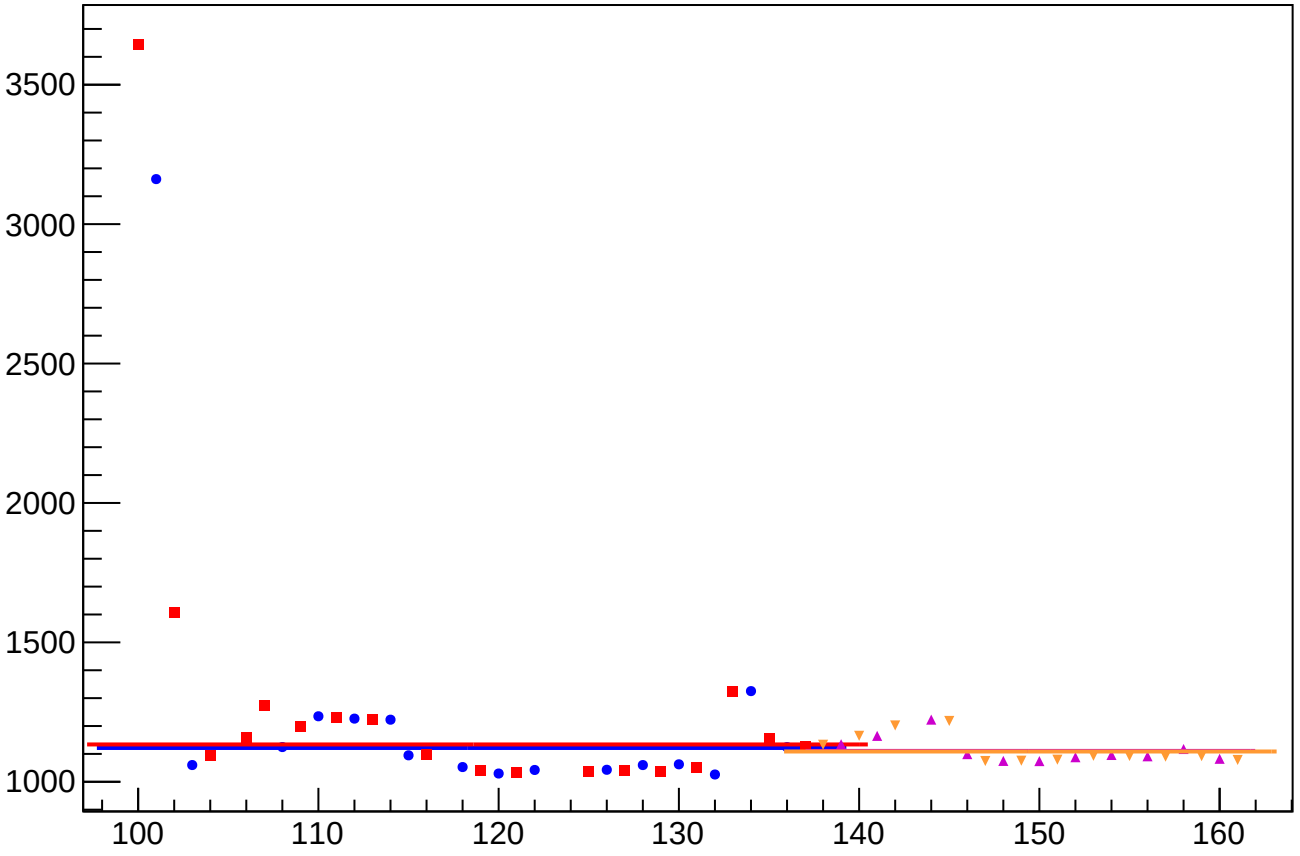
Left In: -50.749+/-359.514 χ^2/NDF:11.8/10

+ sign 1.746+/-274.648 χ^2/NDF: 26.4/27

All: -75.064+/-194.687 χ^2/NDF: 57.2/56

- sign -152.640+/-276.016 χ^2/NDF: 30.6/28

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: 1108.653+/-0.254 χ^2/NDF:30458.9/11

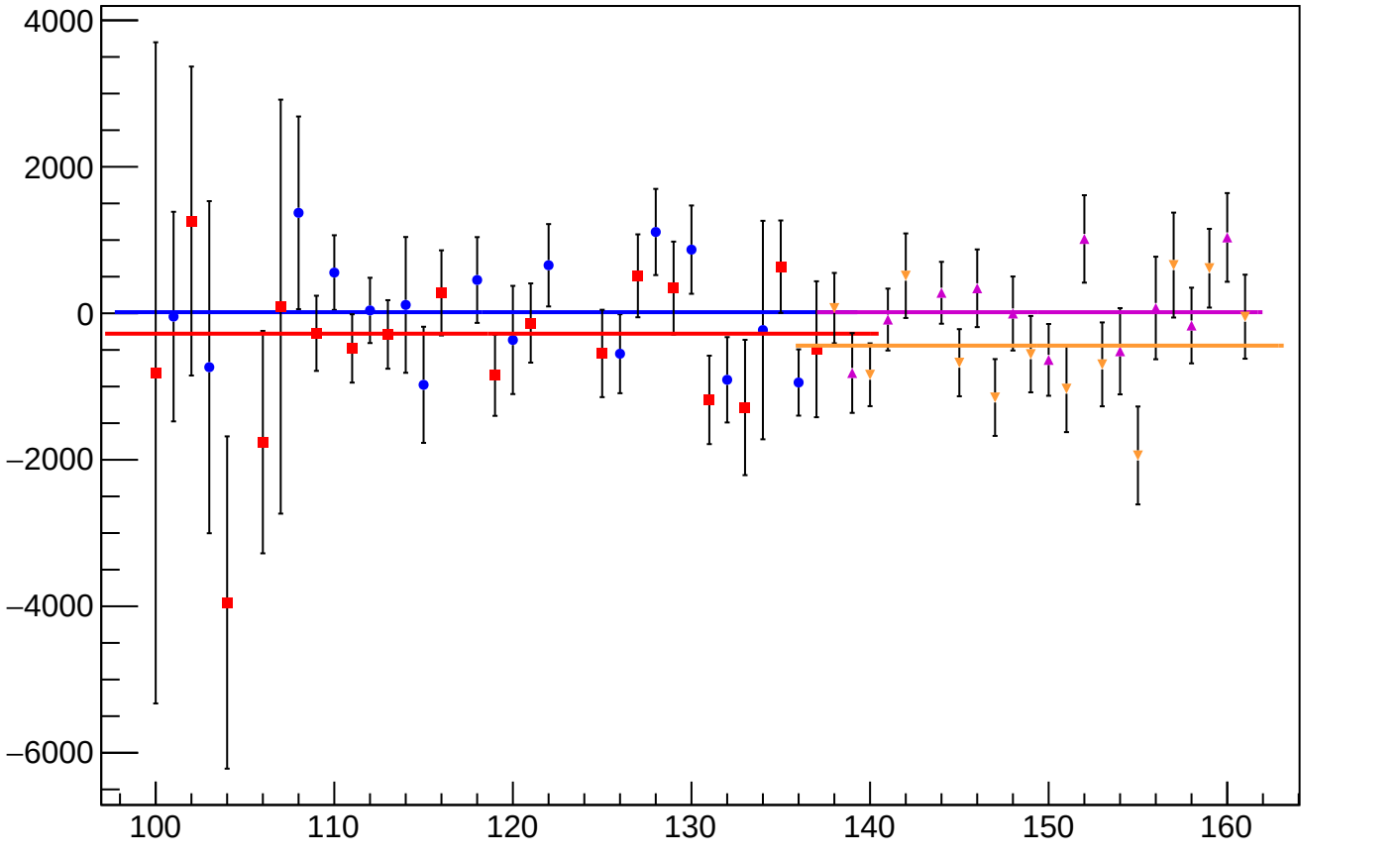
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1110.730+/-0.254 χ^2/NDF:26626.5/10

+ sign 1113.893+/-0.194 χ^2/NDF: 648515.5/27

All: 1117.058+/-0.138 χ^2/NDF: 906552.4/56

- sign 1120.255+/-0.195 χ^2/NDF: 257503.0/28



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -441.211+/-155.352 χ^2/NDF:19.8/11

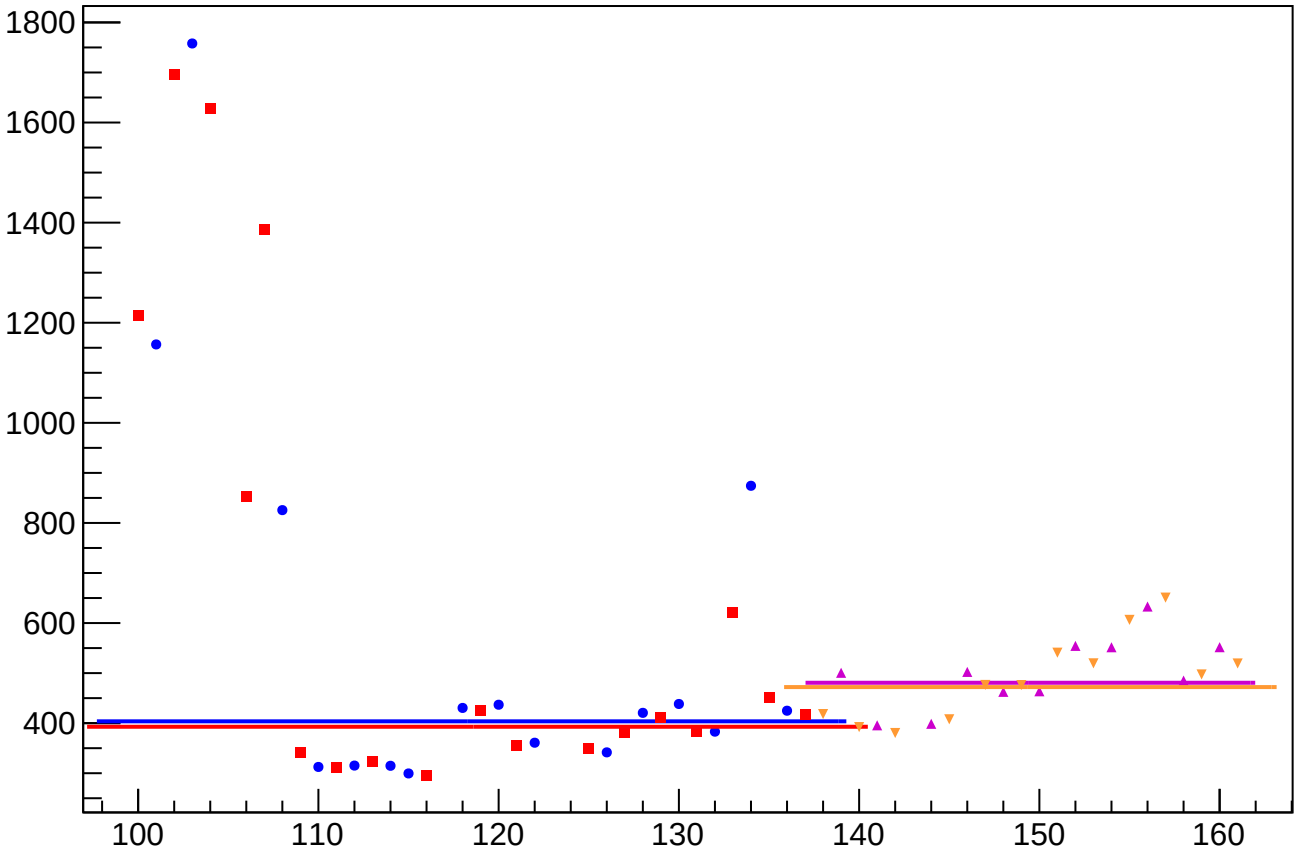
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 14.958+/-157.290 χ^2/NDF:11.5/10

+ sign -222.302+/-112.075 χ^2/NDF: 43.5/27

All: -176.131+/-79.137 χ^2/NDF: 72.2/56

- sign -130.220+/-111.760 χ^2/NDF: 28.3/28



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 472.077+/-0.110 χ^2/NDF:448694.2/11

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

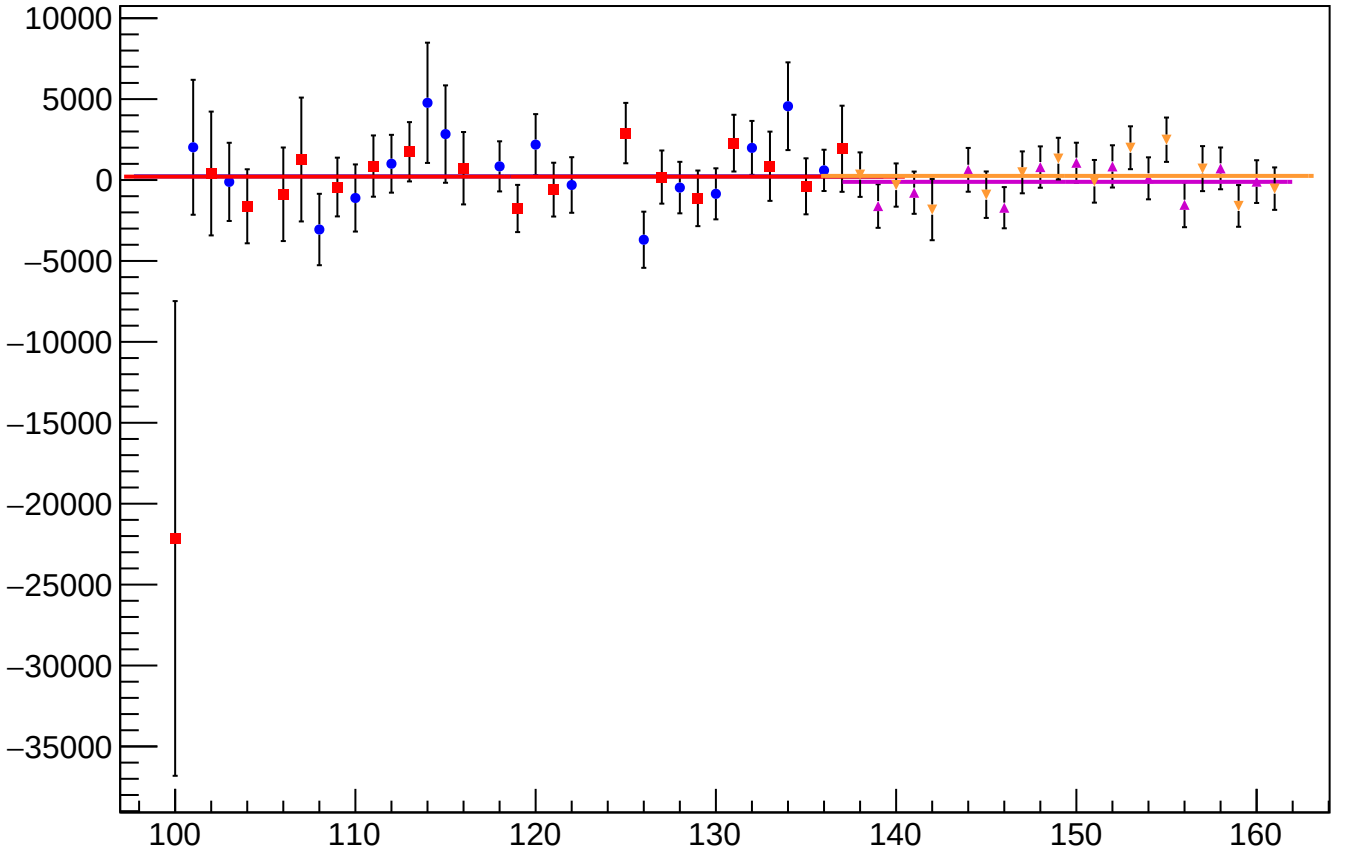
Left In: 480.712+/-0.111 χ^2/NDF:349130.0/10

+ sign 439.265+/-0.079 χ^2/NDF: 2564346.9/27

All: 438.225+/-0.056 χ^2/NDF: 5426510.4/56

- sign 437.192+/-0.079 χ^2/NDF: 2861820.2/28

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 255.553+/-394.342 χ^2/NDF:9.8/11

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

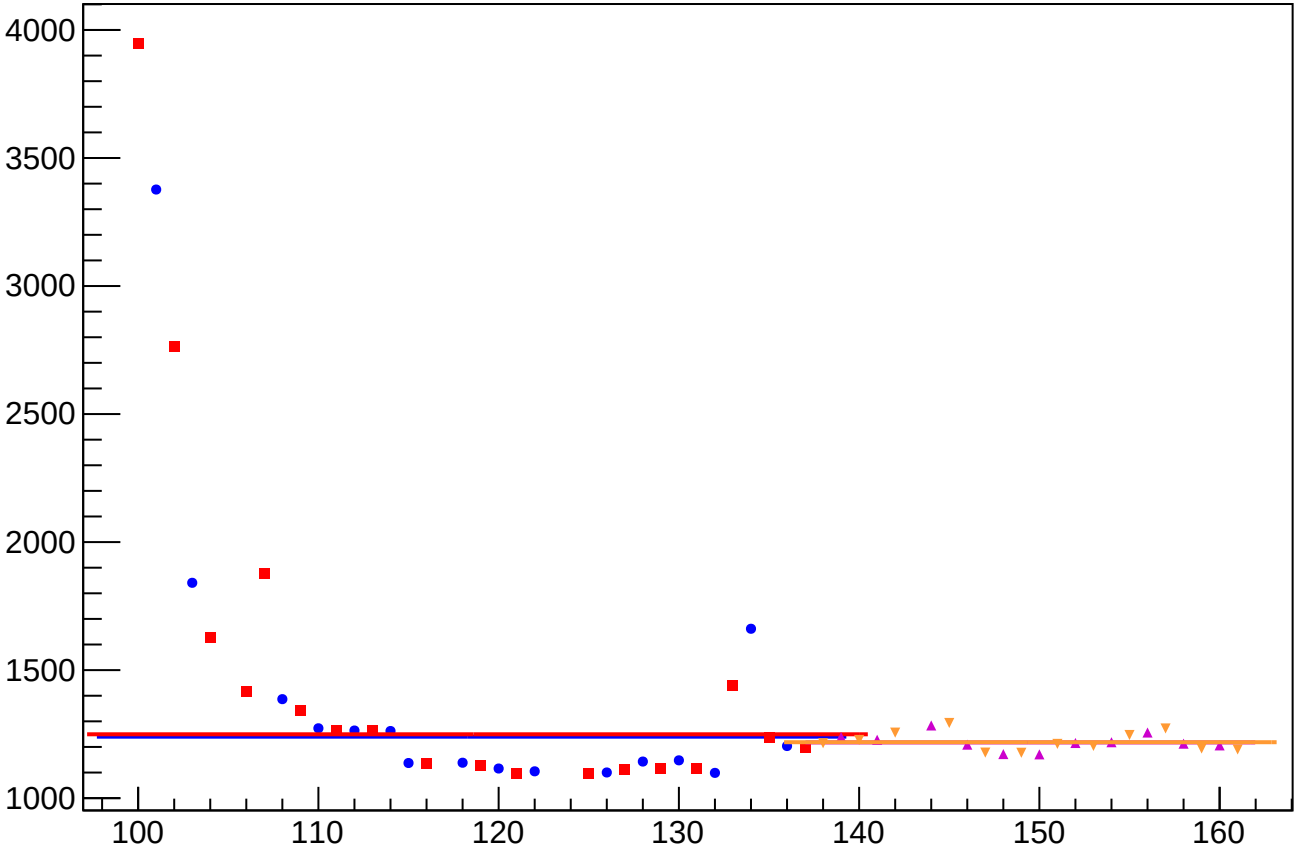
Left In: -112.738+/-393.999 χ^2/NDF:6.8/10

+ sign 242.998+/-303.295 χ^2/NDF: 25.9/27

All: 130.647+/-214.705 χ^2/NDF: 44.2/56

- sign 17.784+/-303.983 χ^2/NDF: 18.0/28

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1218.482+/-0.279 χ^2/NDF:16168.2/11

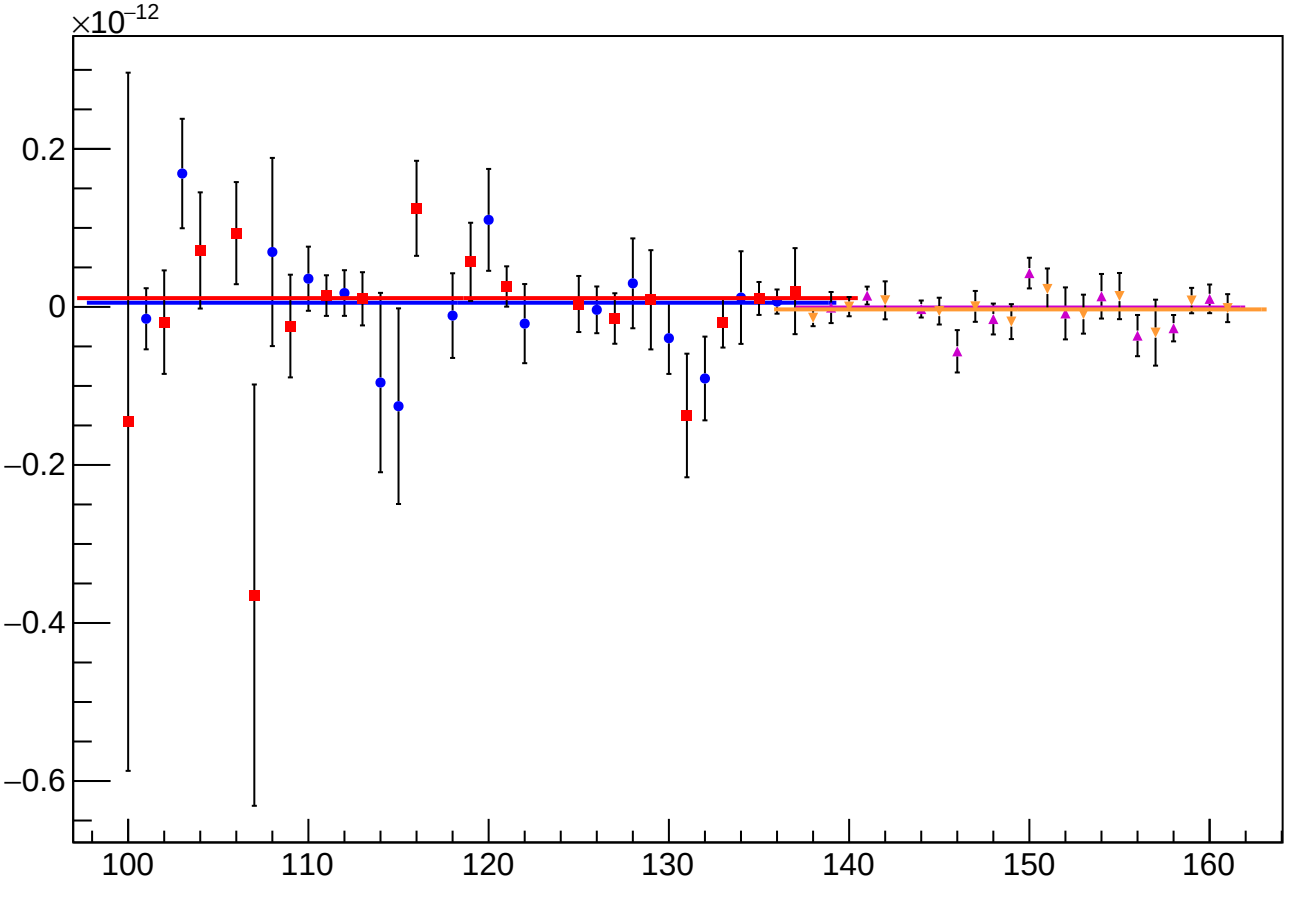
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1217.667+/-0.279 χ^2/NDF:12624.7/10

+ sign 1227.328+/-0.214 χ^2/NDF: 801312.1/27

All: 1228.918+/-0.152 χ^2/NDF: 1425400.6/56

- sign 1230.515+/-0.215 χ^2/NDF: 623978.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/11

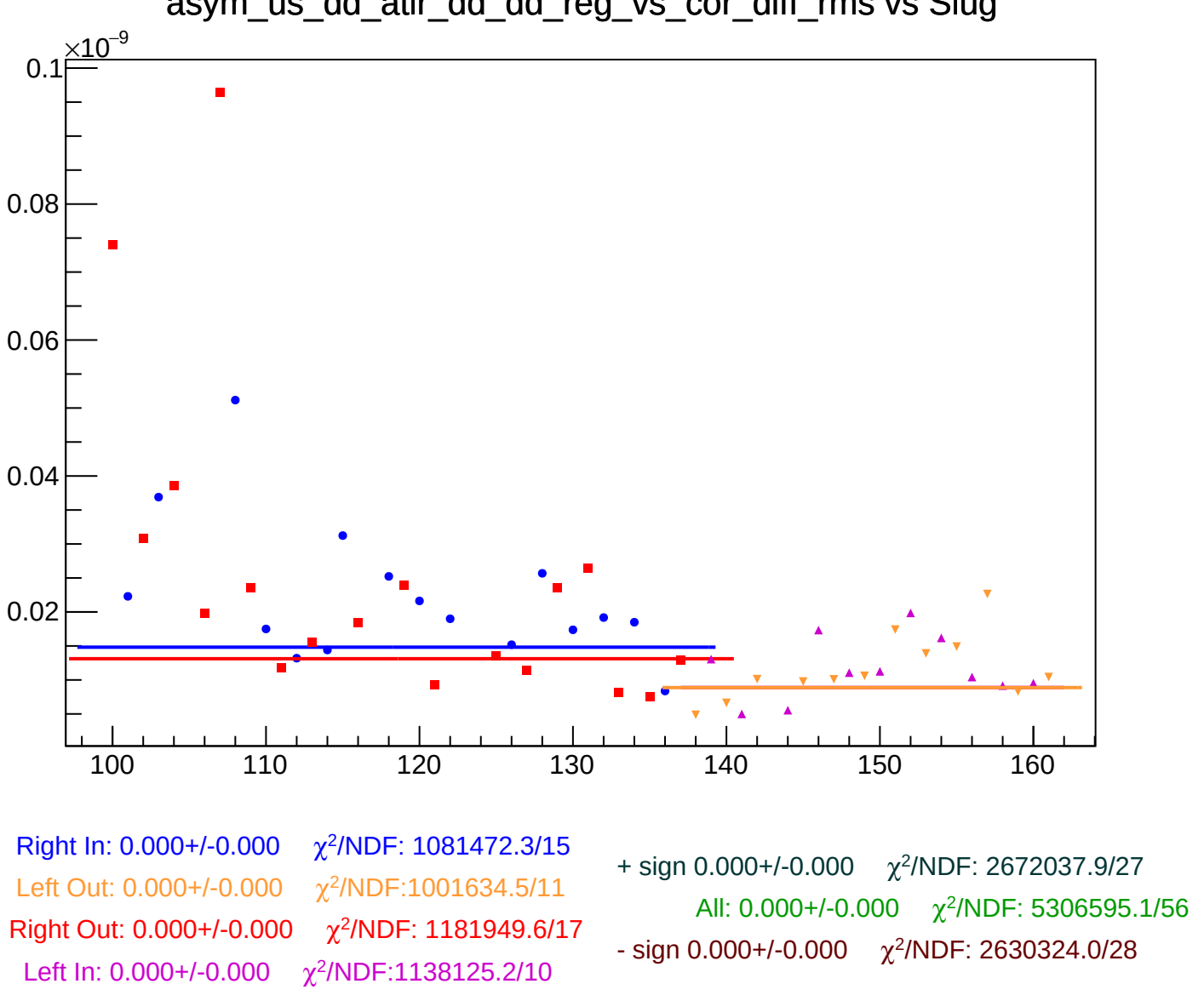
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

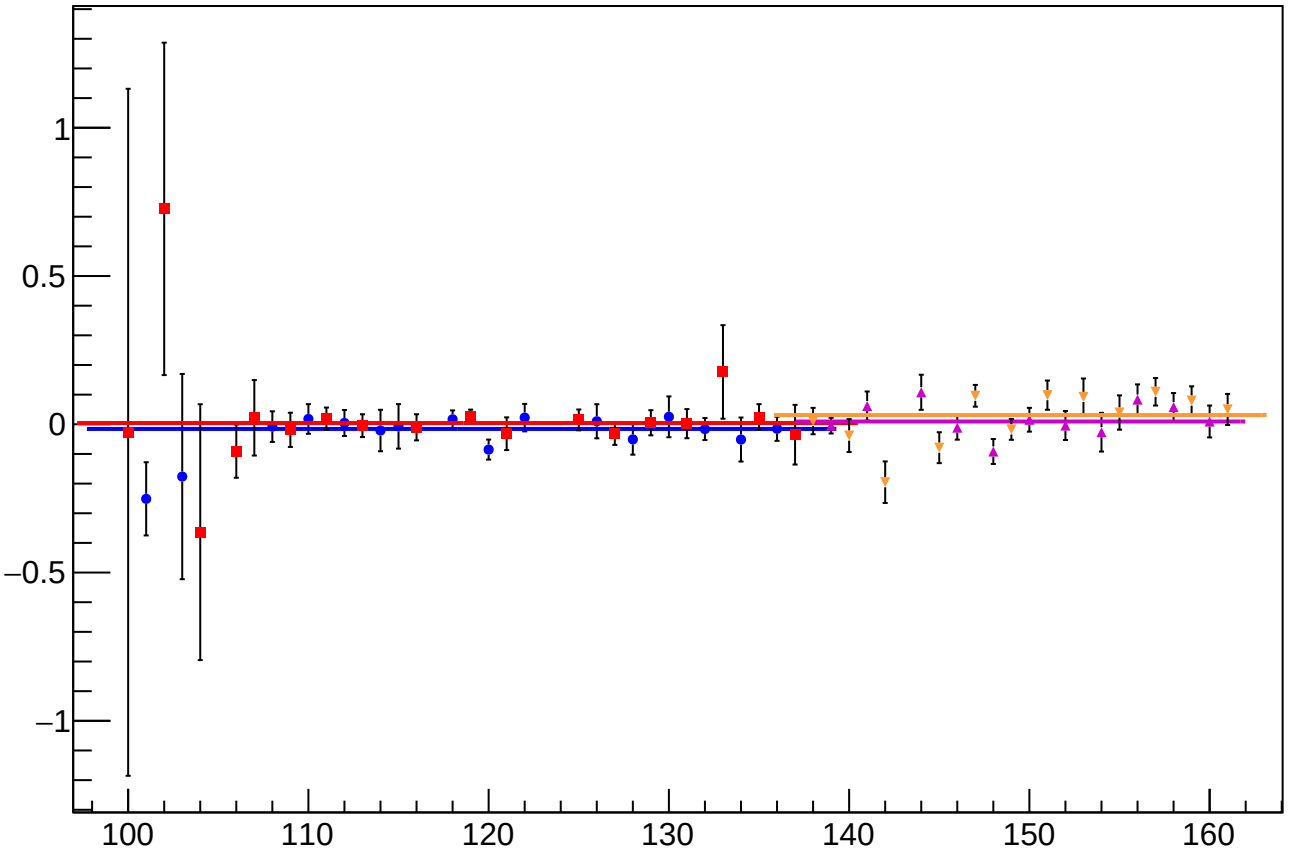
Left In: -0.000+/-0.000 χ^2/NDF:16.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 21.2/27

All: 0.000+/-0.000 χ^2/NDF: 54.4/56

- sign 0.000+/-0.000 χ^2/NDF: 32.9/28


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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1081472.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1001634.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 1181949.6/17
Left In: 0.000+/-0.000 χ²/NDF:1138125.2/10
+ sign 0.000+/-0.000 χ²/NDF: 2672037.9/27
All: 0.000+/-0.000 χ²/NDF: 5306595.1/56
- sign 0.000+/-0.000 χ²/NDF: 2630324.0/28



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.031+/-0.014 χ^2/NDF:28.6/11

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

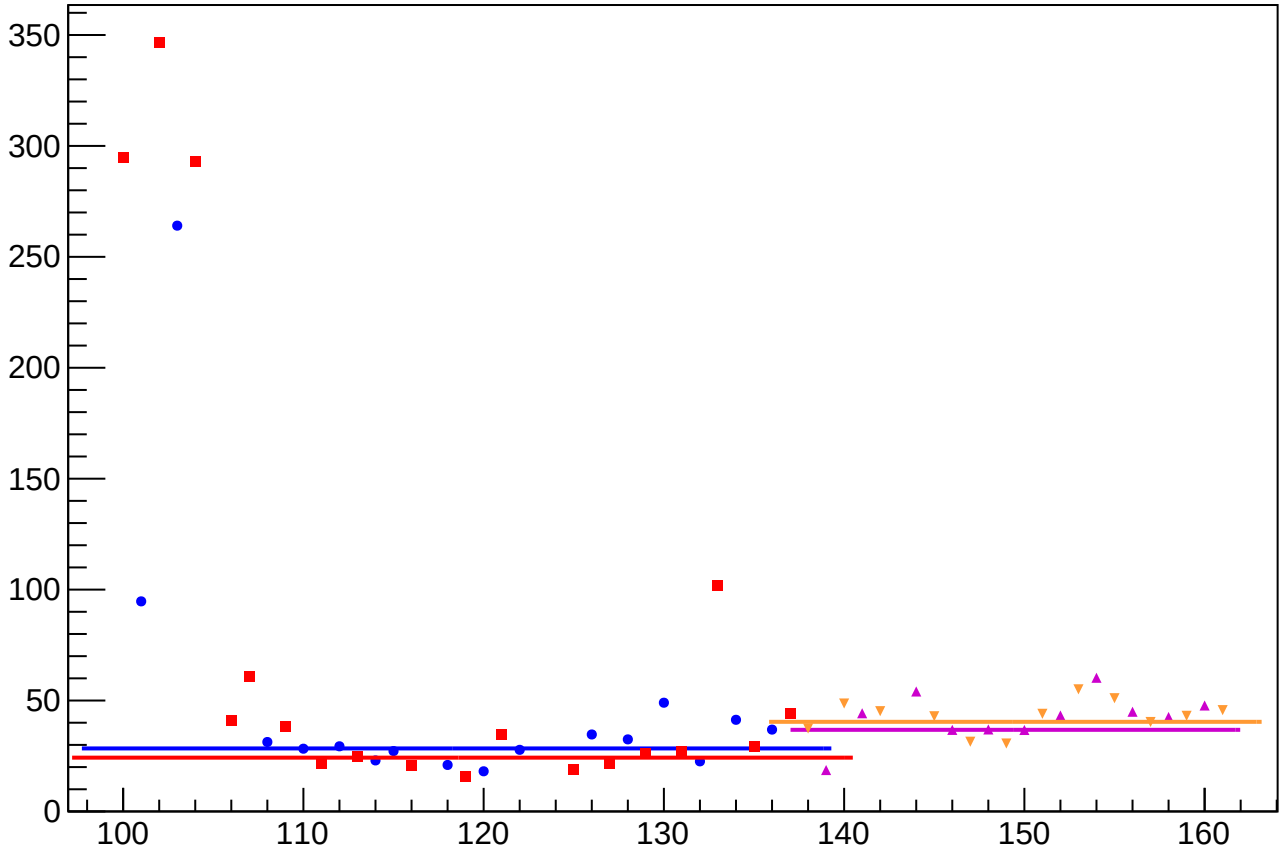
Left In: 0.009+/-0.013 χ^2/NDF:13.8/10

+ sign 0.005+/-0.009 χ^2/NDF: 46.9/27

All: 0.006+/-0.006 χ^2/NDF: 68.6/56

- sign 0.006+/-0.009 χ^2/NDF: 21.7/28

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 40.404+/-0.010 χ^2/NDF:557666.6/11

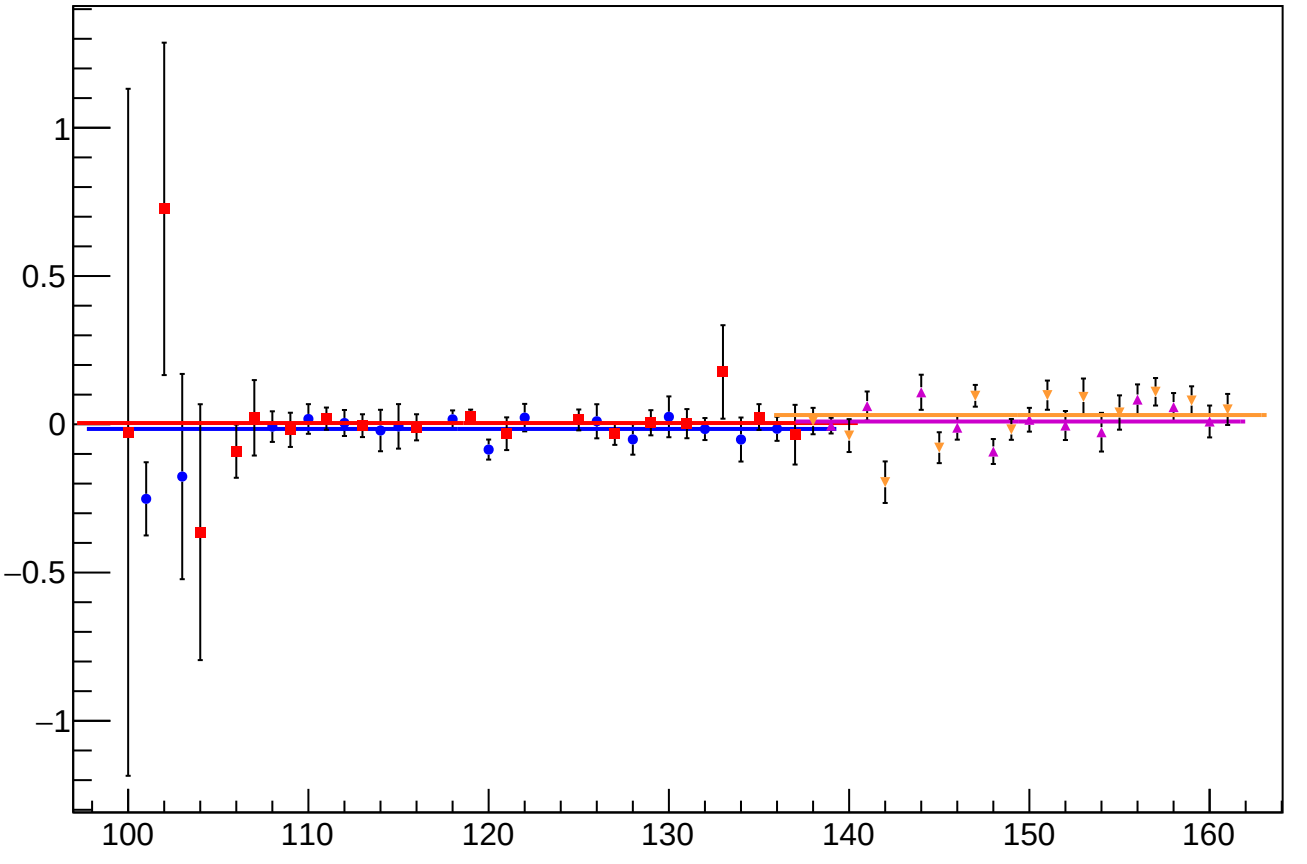
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 36.794+/-0.009 χ^2/NDF:1610416.3/10

+ sign 33.688+/-0.007 χ^2/NDF: 3638953.5/27

All: 31.534+/-0.004 χ^2/NDF: 9400143.0/56

- sign 29.637+/-0.006 χ^2/NDF: 5555450.2/28



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.031+/-0.014 χ^2/NDF:28.6/11

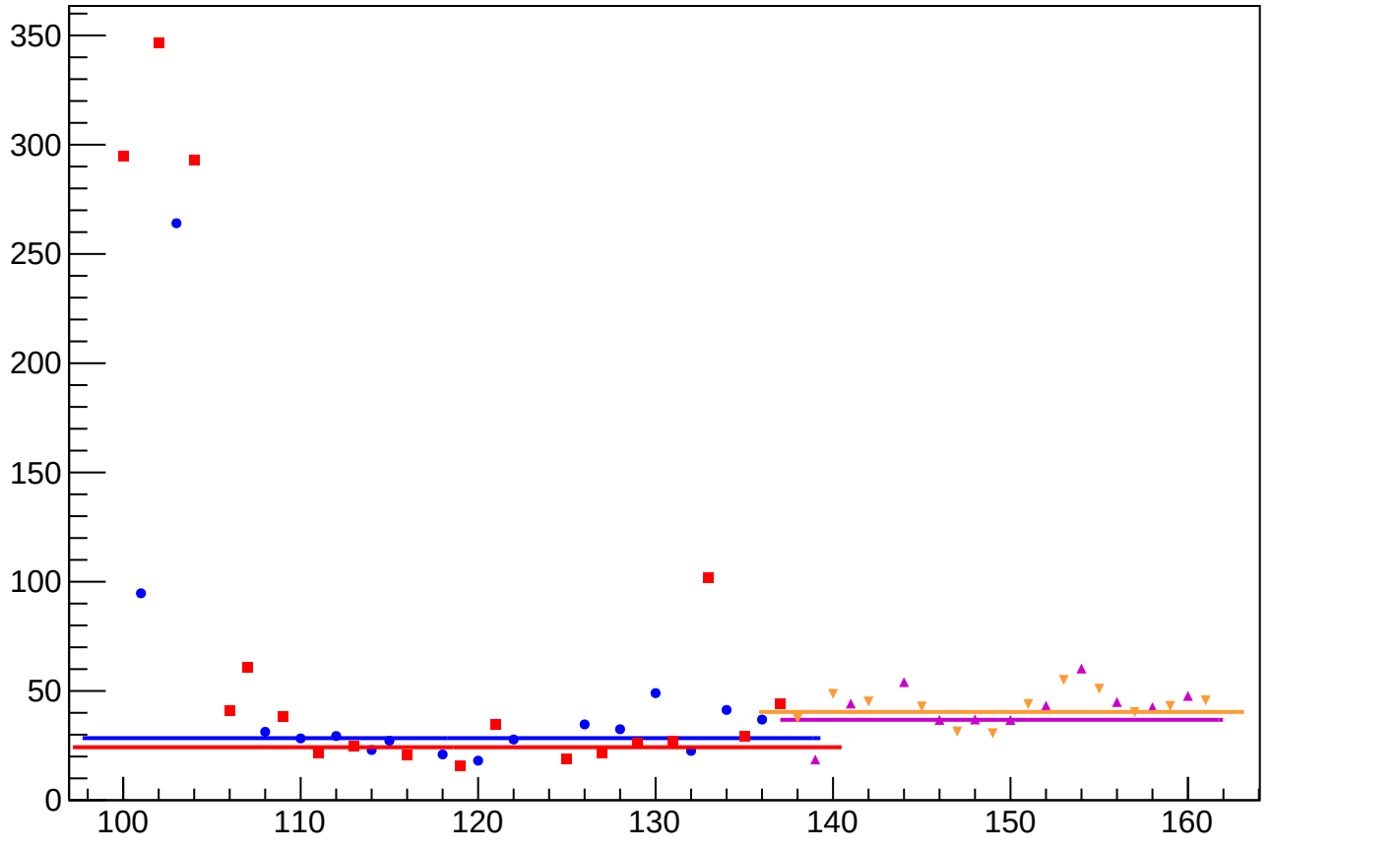
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.009+/-0.013 χ^2/NDF:13.8/10

+ sign 0.005+/-0.009 χ^2/NDF: 46.9/27

All: 0.006+/-0.006 χ^2/NDF: 68.6/56

- sign 0.006+/-0.009 χ^2/NDF: 21.7/28



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 40.404+/-0.010 χ^2/NDF:557666.6/11

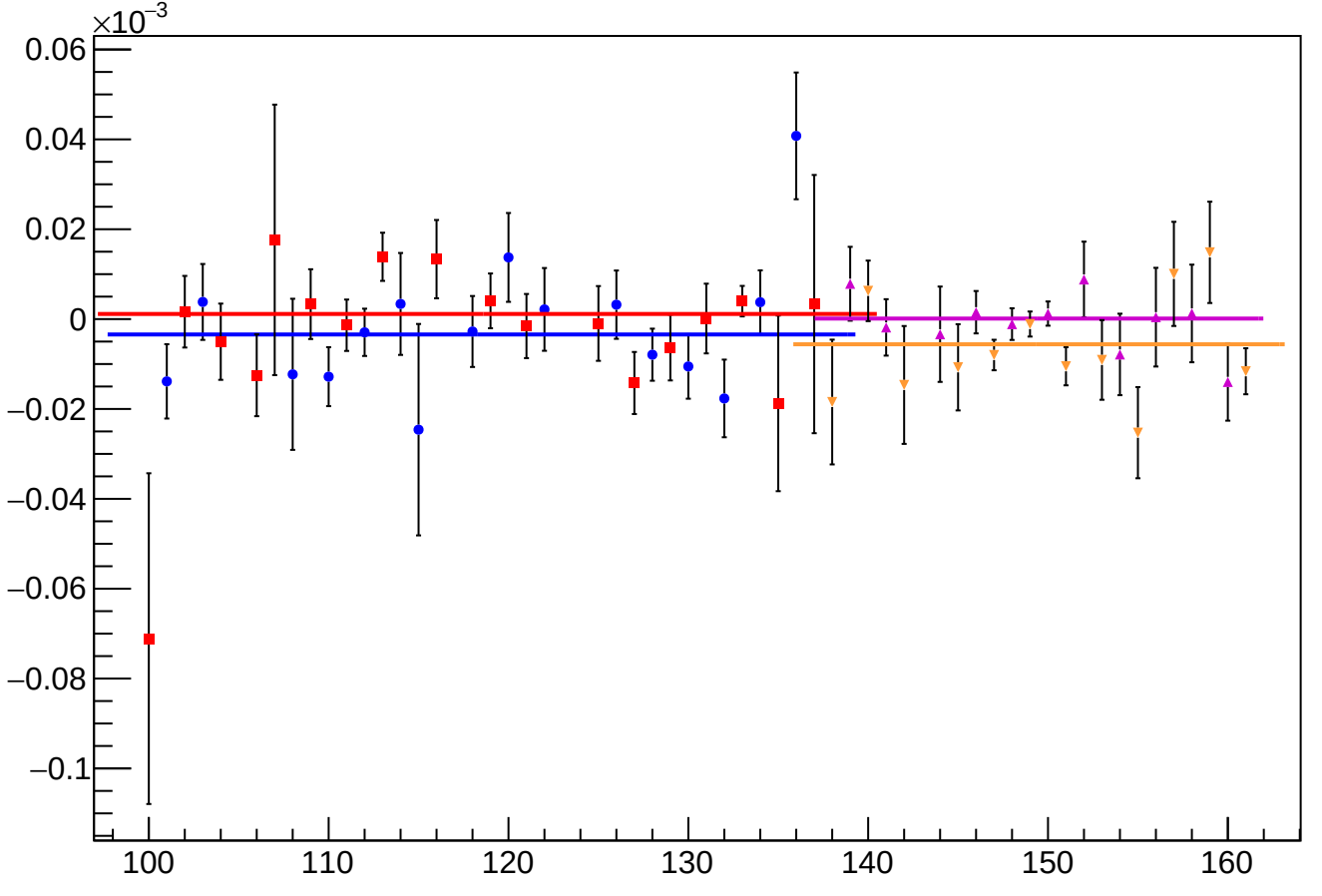
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 36.794+/-0.009 χ^2/NDF:1610416.3/10

+ sign 33.688+/-0.007 χ^2/NDF: 3638953.5/27

All: 31.534+/-0.004 χ^2/NDF: 9400143.0/56

- sign 29.637+/-0.006 χ^2/NDF: 5555450.2/28



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/11

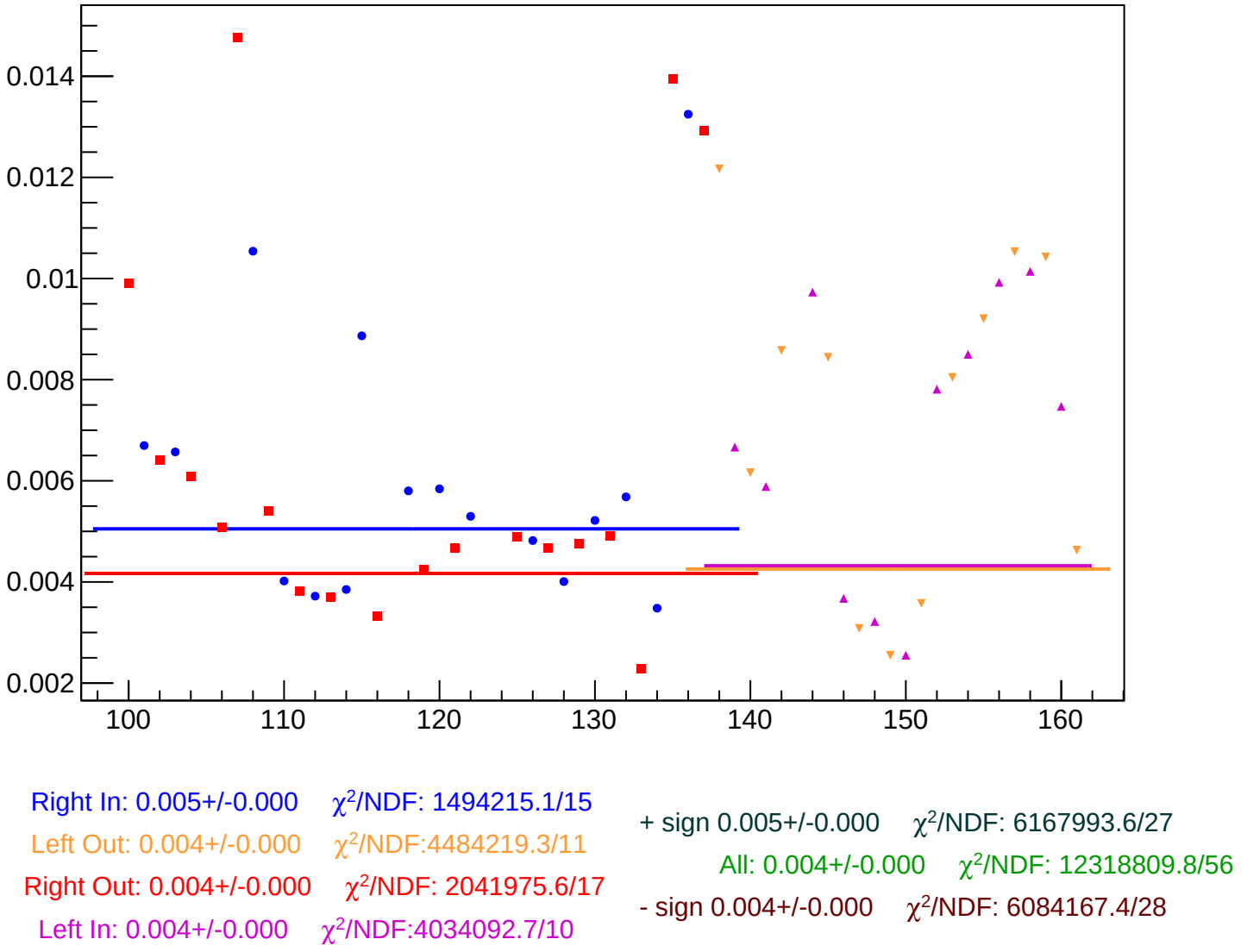
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

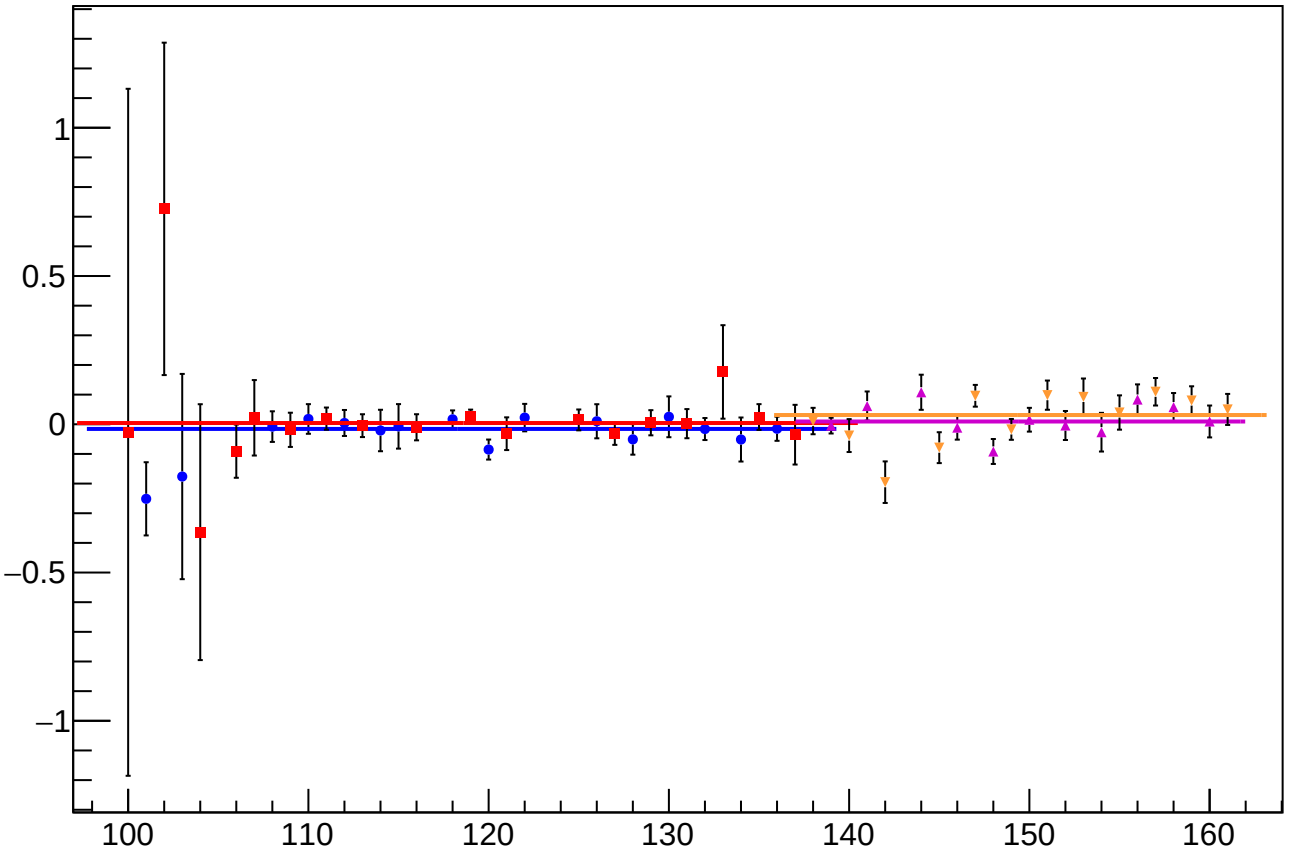
Left In: 0.000+/-0.000 χ^2/NDF:6.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 45.4/27

All: -0.000+/-0.000 χ^2/NDF: 84.3/56

- sign 0.000+/-0.000 χ^2/NDF: 29.2/28


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
Right In: 0.005+/-0.000 χ²/NDF: 1494215.1/15
Left Out: 0.004+/-0.000 χ²/NDF:4484219.3/11
Right Out: 0.004+/-0.000 χ²/NDF: 2041975.6/17
Left In: 0.004+/-0.000 χ²/NDF:4034092.7/10
+ sign 0.005+/-0.000 χ²/NDF: 6167993.6/27
All: 0.004+/-0.000 χ²/NDF: 12318809.8/56
- sign 0.004+/-0.000 χ²/NDF: 6084167.4/28



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.031+/-0.014 χ^2/NDF:28.6/11

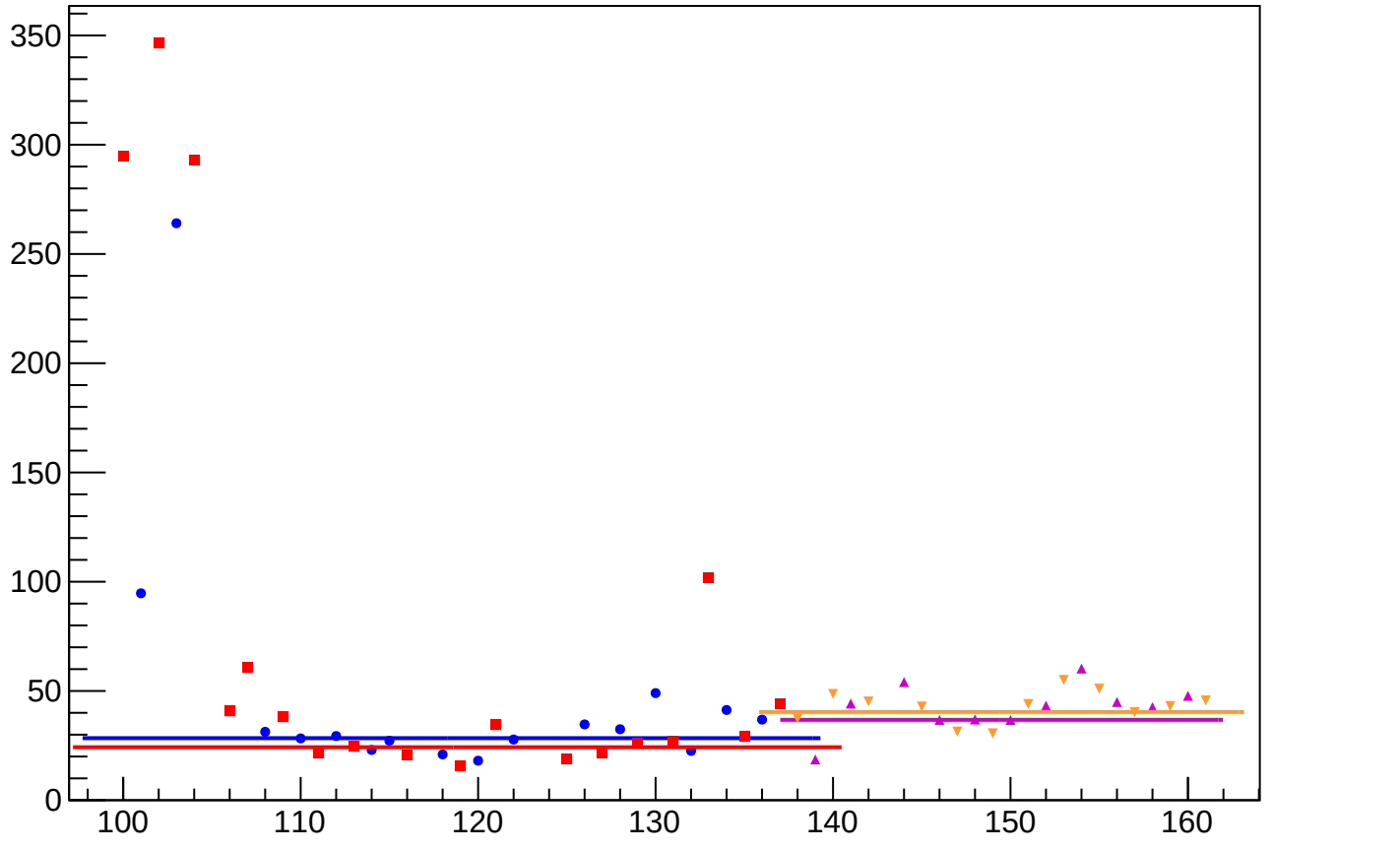
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.009+/-0.013 χ^2/NDF:13.8/10

+ sign 0.005+/-0.009 χ^2/NDF: 46.8/27

All: 0.006+/-0.006 χ^2/NDF: 68.6/56

- sign 0.006+/-0.009 χ^2/NDF: 21.7/28



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 40.404+/-0.010 χ^2/NDF:557931.6/11

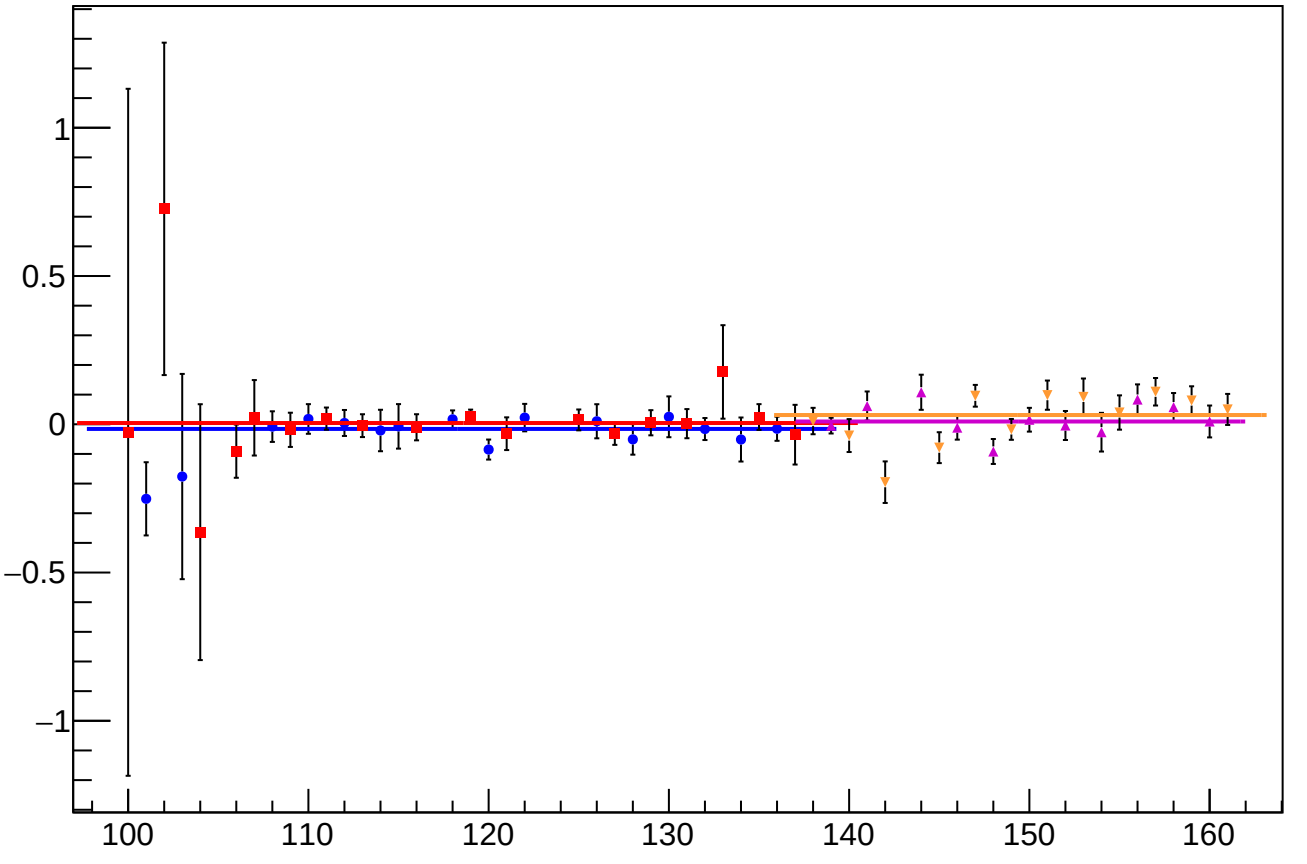
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 36.792+/-0.009 χ^2/NDF:1611128.7/10

+ sign 33.688+/-0.007 χ^2/NDF: 3639183.9/27

All: 31.532+/-0.004 χ^2/NDF: 9401566.7/56

- sign 29.635+/-0.006 χ^2/NDF: 5556489.0/28



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.031+/-0.014 χ^2/NDF:28.6/11

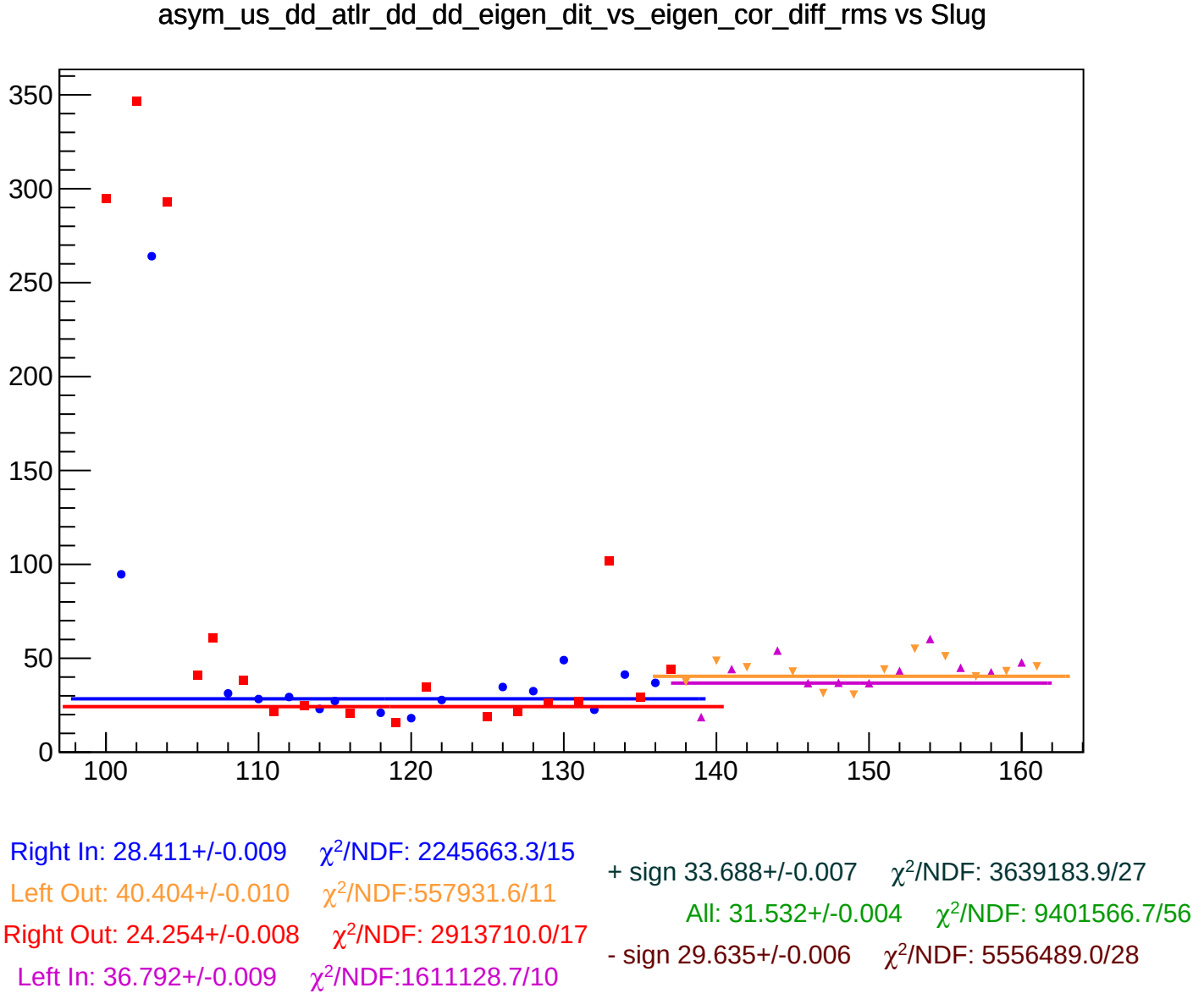
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

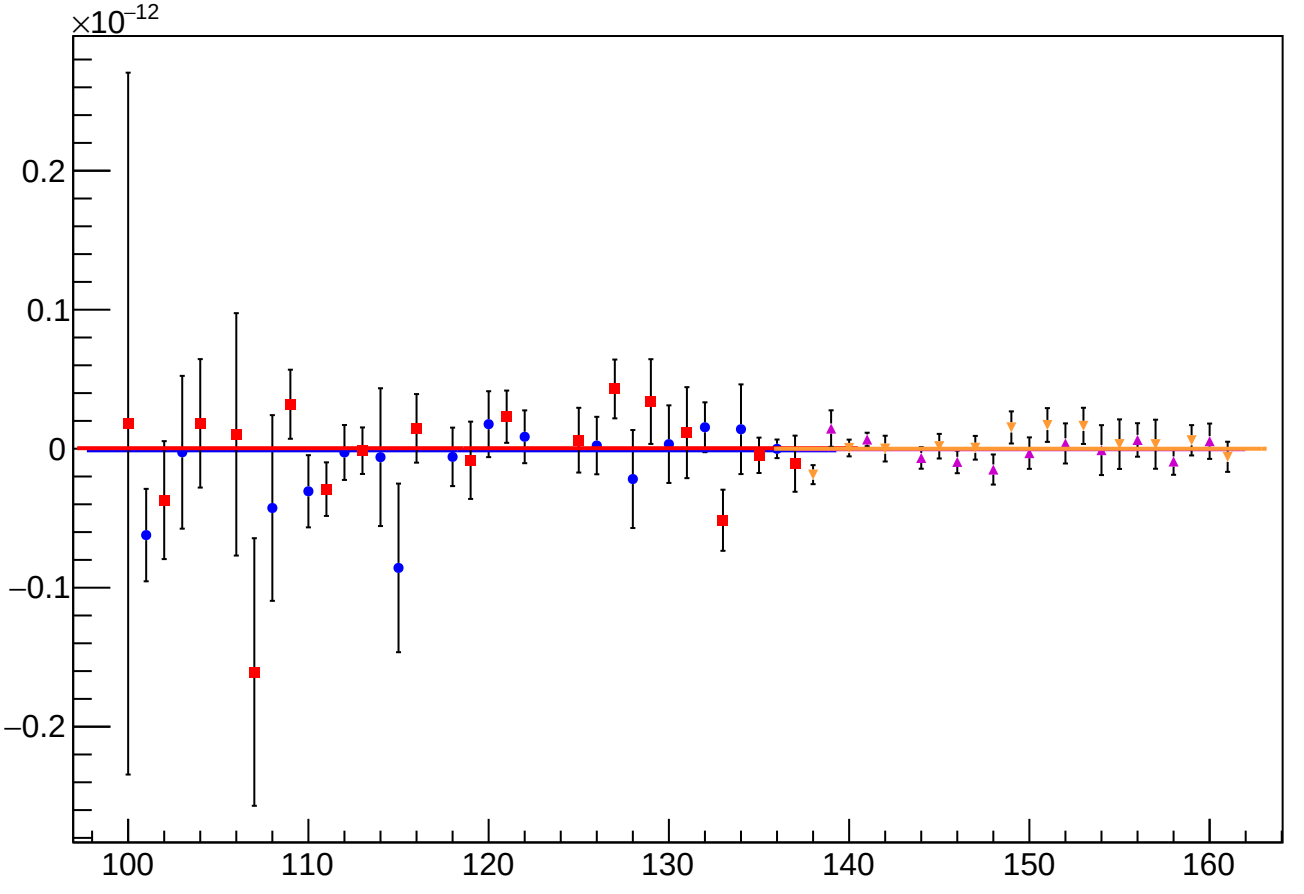
Left In: 0.009+/-0.013 χ^2/NDF:13.8/10

+ sign 0.005+/-0.009 χ^2/NDF: 46.8/27

All: 0.006+/-0.006 χ^2/NDF: 68.6/56

- sign 0.006+/-0.009 χ^2/NDF: 21.7/28


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
110
120
130
140
150
160
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 40.404+/-0.010 χ²/NDF:557931.6/11
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 36.792+/-0.009 χ²/NDF:1611128.7/10
+ sign 33.688+/-0.007 χ²/NDF: 3639183.9/27
All: 31.532+/-0.004 χ²/NDF: 9401566.7/56
- sign 29.635+/-0.006 χ²/NDF: 5556489.0/28



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/11

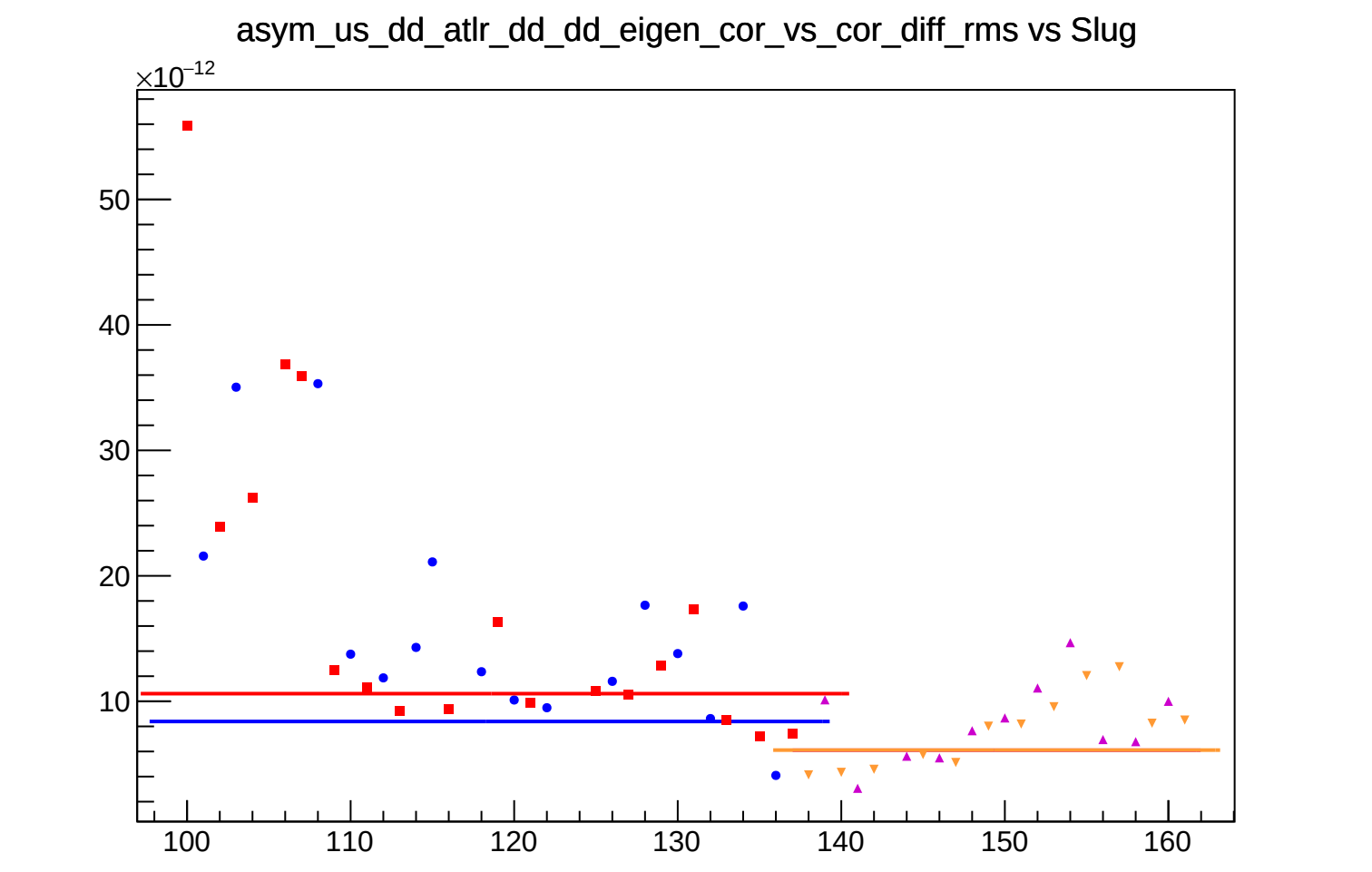
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:8.6/10

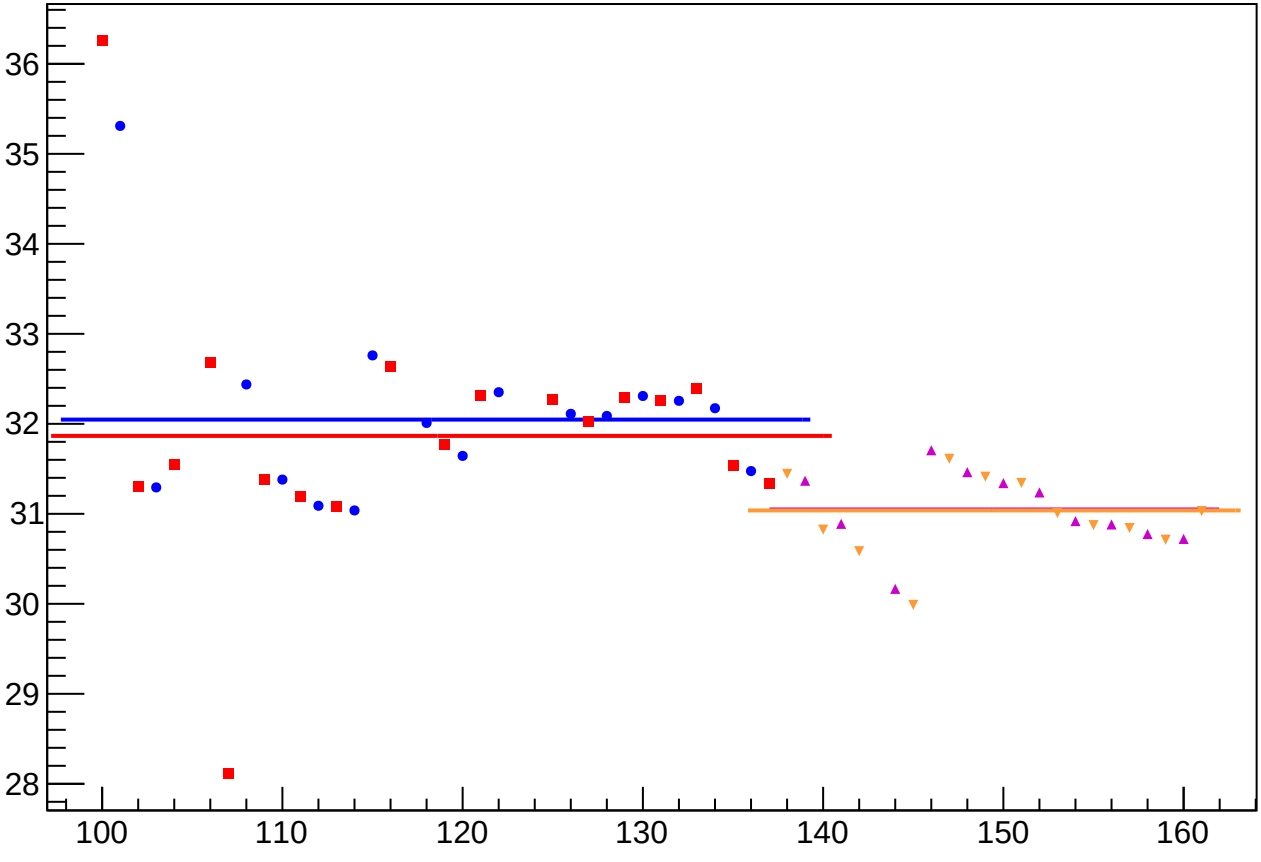
+ sign -0.000+/-0.000 χ^2/NDF: 23.0/27

All: -0.000+/-0.000 χ^2/NDF: 52.6/56

- sign -0.000+/-0.000 χ^2/NDF: 29.7/28


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
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1358472.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:2029427.8/10
+ sign 0.000+/-0.000 χ²/NDF: 4410150.0/27
All: 0.000+/-0.000 χ²/NDF: 8725353.9/56
- sign 0.000+/-0.000 χ²/NDF: 4299409.2/28

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.038+/-0.000 χ^2/NDF:214013411.3/11

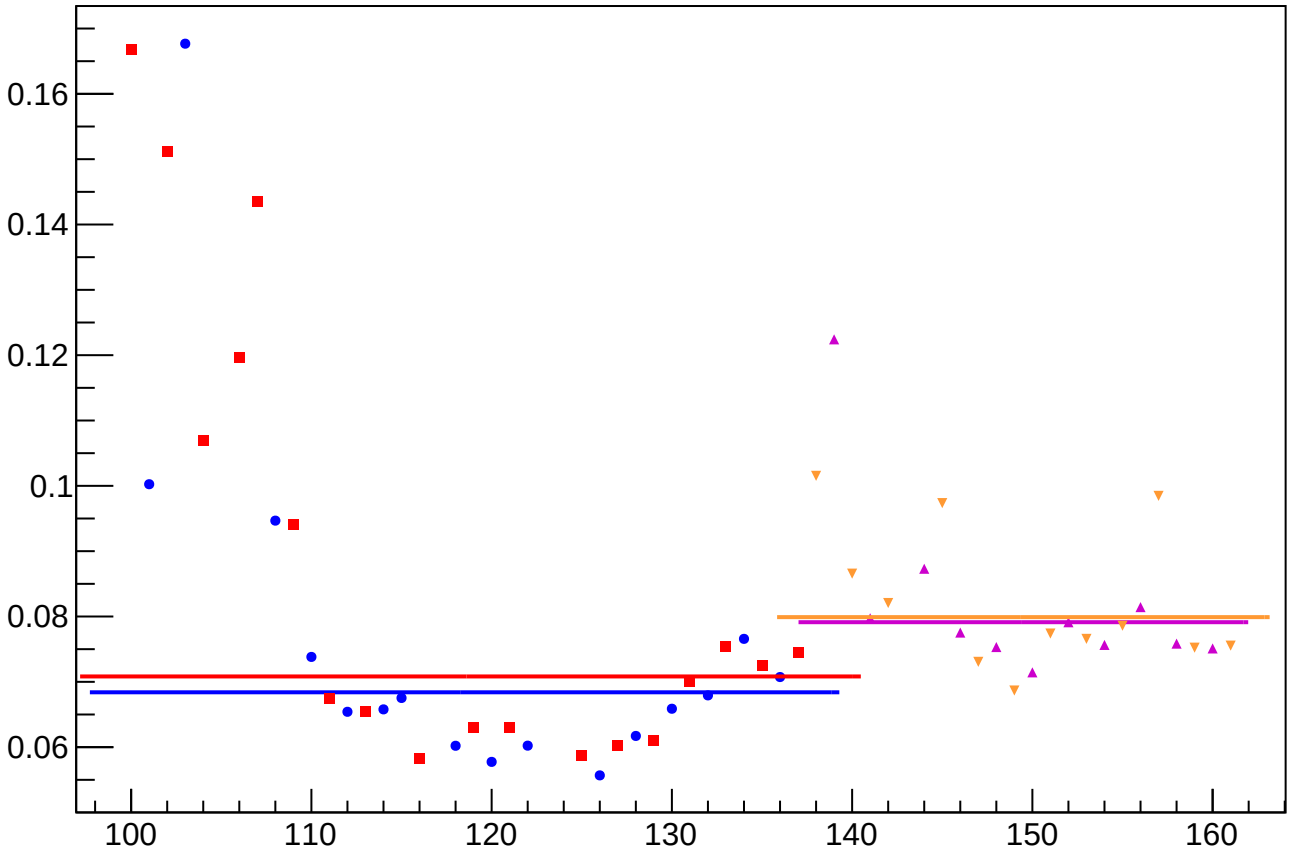
Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.048+/-0.000 χ^2/NDF:219083416.9/10

\+ sign 31.545+/-0.000 χ^2/NDF: 1791009550.7/27

All: 31.493+/-0.000 χ^2/NDF: 2943695045.0/5

\- sign 31.439+/-0.000 χ^2/NDF: 1138064967.7/28



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.080+/-0.000 χ^2/NDF:241168.8/11

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

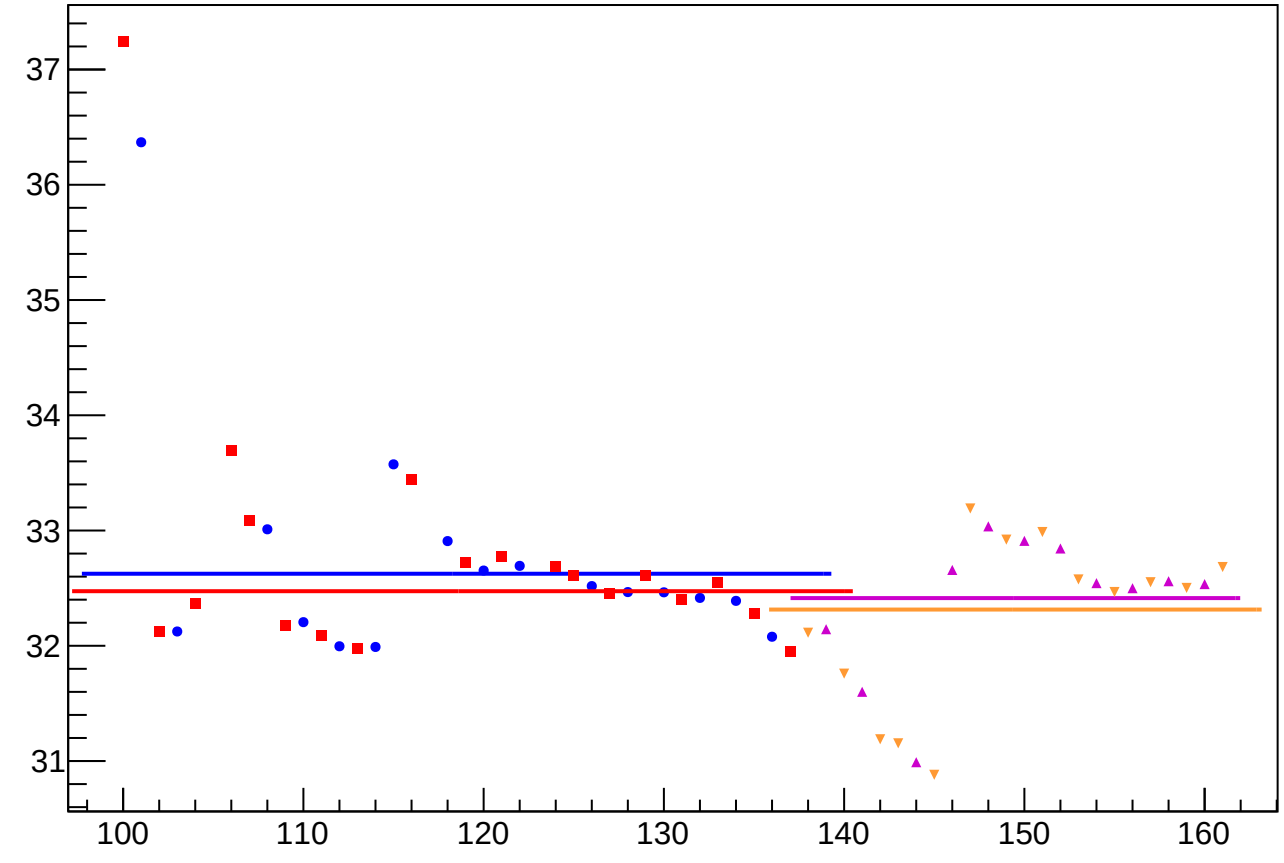
Left In: 0.079+/-0.000 χ^2/NDF:246695.5/10

+ sign 0.074+/-0.000 χ^2/NDF: 1120644.4/27

All: 0.075+/-0.000 χ^2/NDF: 2327751.0/56

- sign 0.075+/-0.000 χ^2/NDF: 1204292.4/28

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.314+/-0.000 χ^2/NDF:773270726.4/12

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

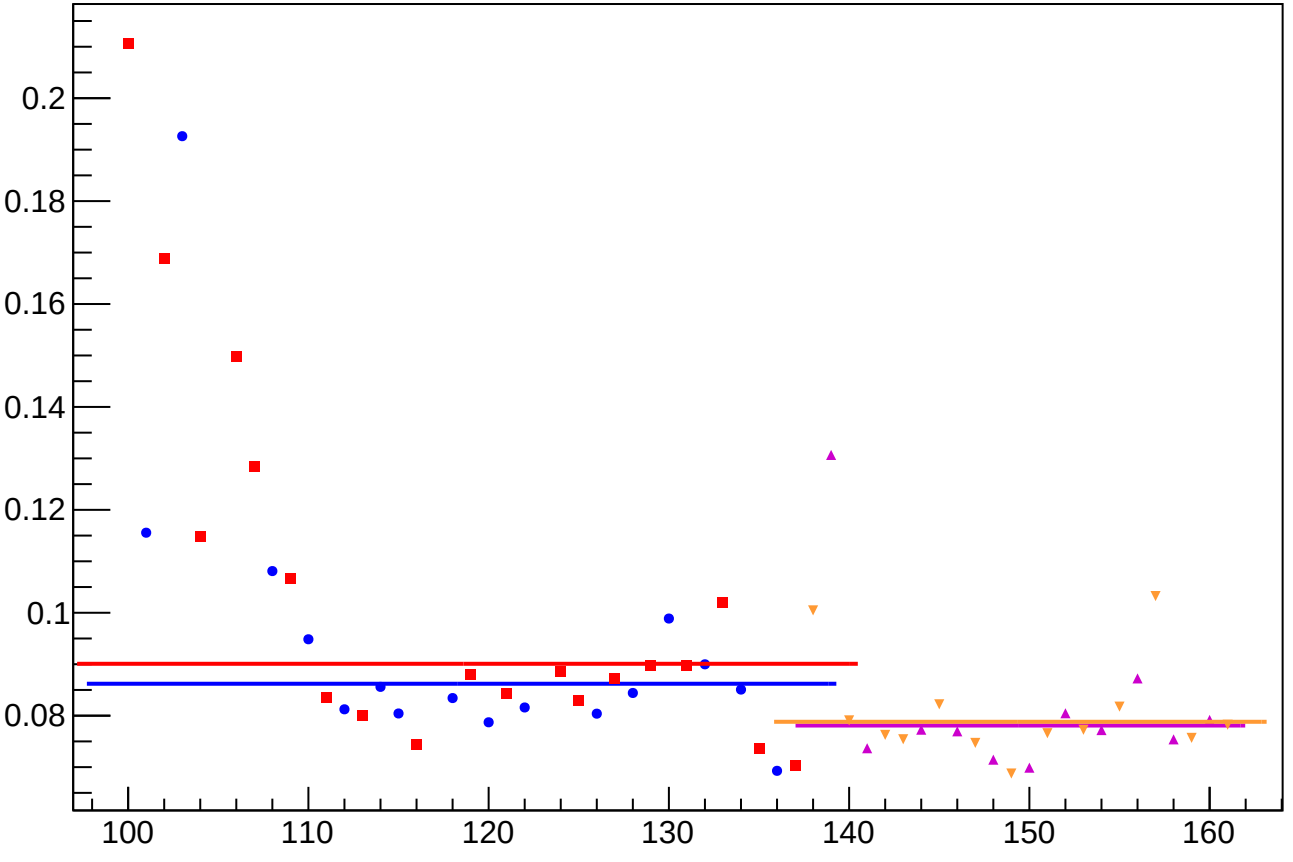
Left In: 32.414+/-0.000 χ^2/NDF:520446798.0/10

+ sign 32.427+/-0.000 χ^2/NDF: 1564458965.9/28

All: 32.431+/-0.000 χ^2/NDF: 2243612752.2/5

- sign 32.435+/-0.000 χ^2/NDF: 679071839.7/29

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.079+/-0.000 χ^2/NDF:194694.2/12

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

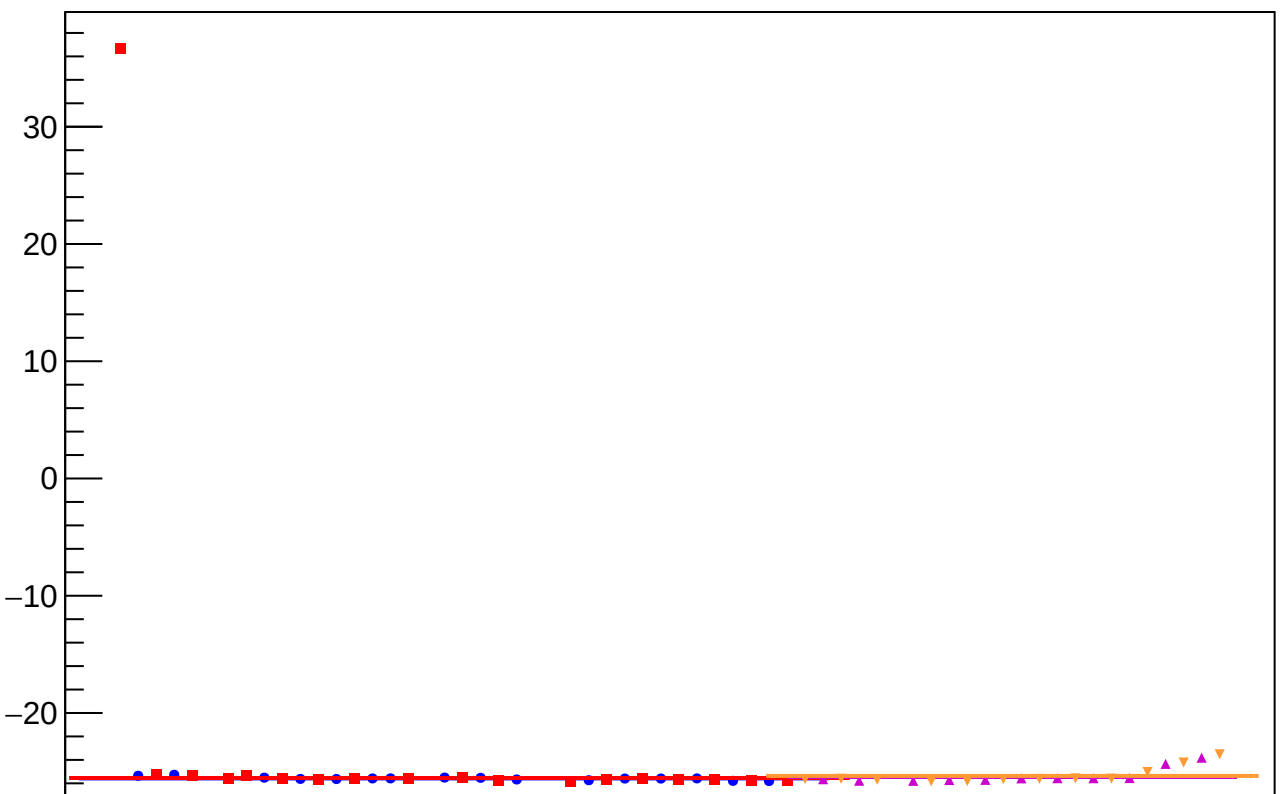
Left In: 0.078+/-0.000 χ^2/NDF:327077.2/10

+ sign 0.081+/-0.000 χ^2/NDF: 852310.2/28

All: 0.082+/-0.000 χ^2/NDF: 1949671.5/58

- sign 0.082+/-0.000 χ^2/NDF: 1095515.5/29

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.366+/-0.000 χ^2/NDF:2006942682.6/11

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

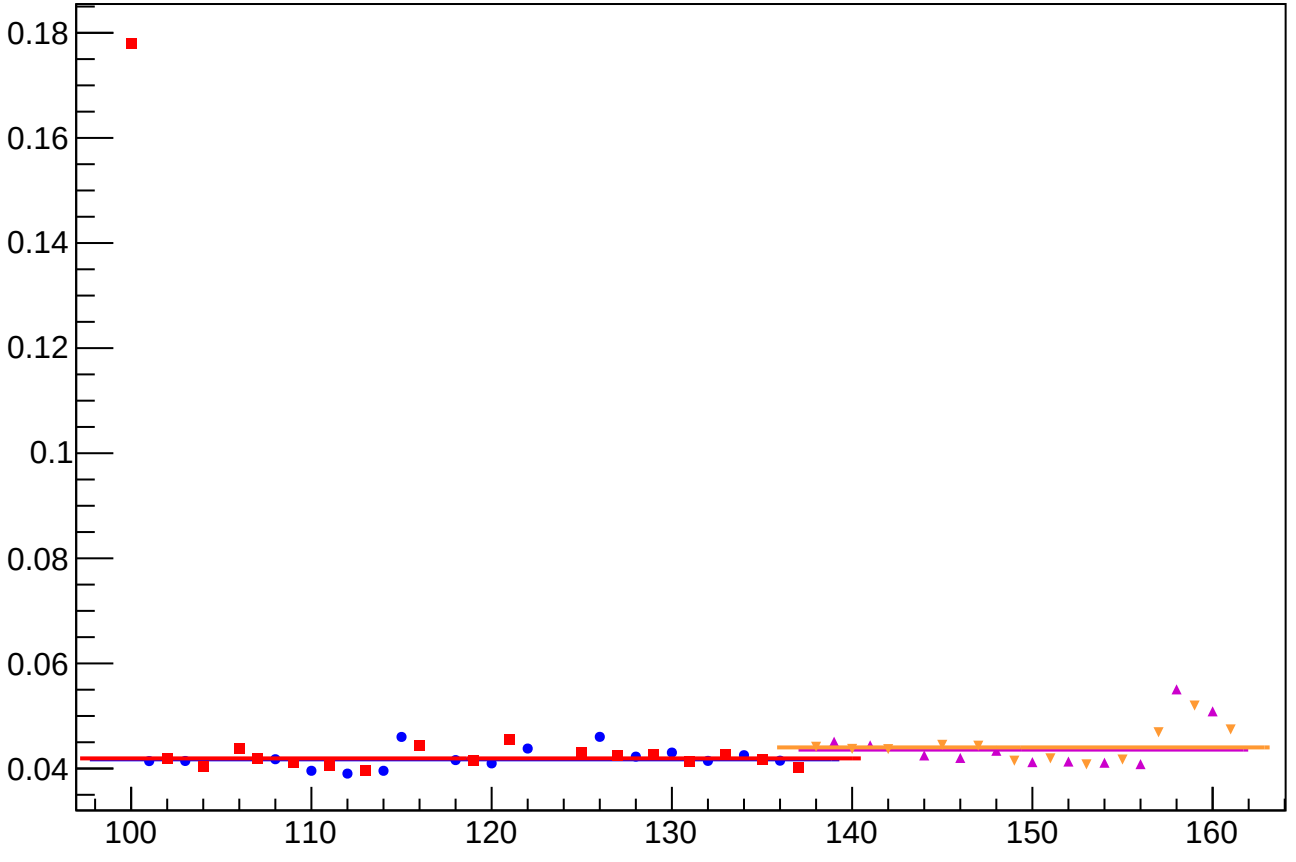
Left In: -25.457+/-0.000 χ^2/NDF:1386578453.7/10

+ sign -25.464+/-0.000 χ^2/NDF: 2205927745.5/27

All: -25.481+/-0.000 χ^2/NDF: 12521556955.0

- sign -25.497+/-0.000 χ^2/NDF: 10310823472.9/28

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.044+/-0.000 χ^2/NDF:78972.1/11

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

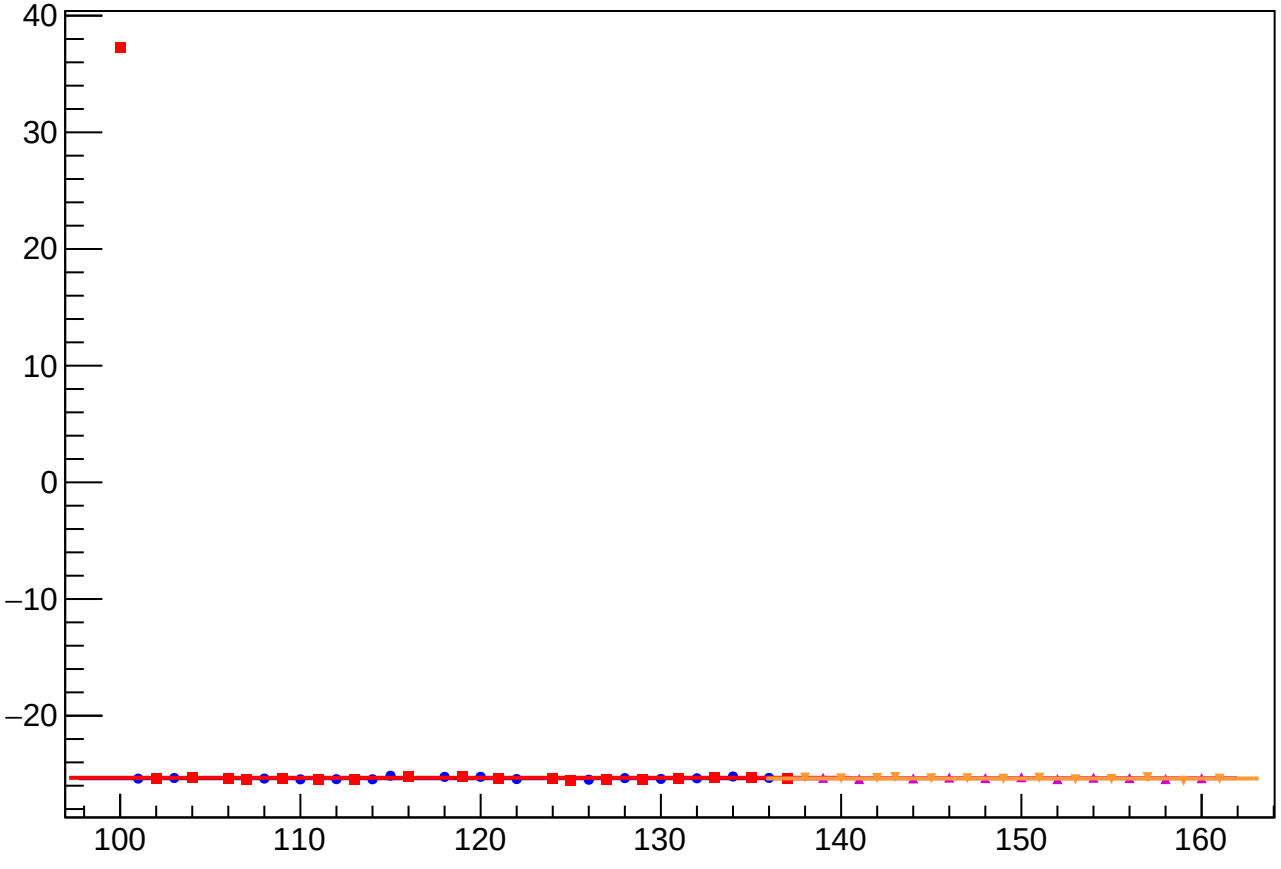
Left In: 0.044+/-0.000 χ^2/NDF:137879.8/10

+ sign 0.043+/-0.000 χ^2/NDF: 122570.3/27

All: 0.043+/-0.000 χ^2/NDF: 373296.9/56

- sign 0.043+/-0.000 χ^2/NDF: 250563.2/28

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.380+/-0.000 χ^2/NDF:22179664.3/12

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

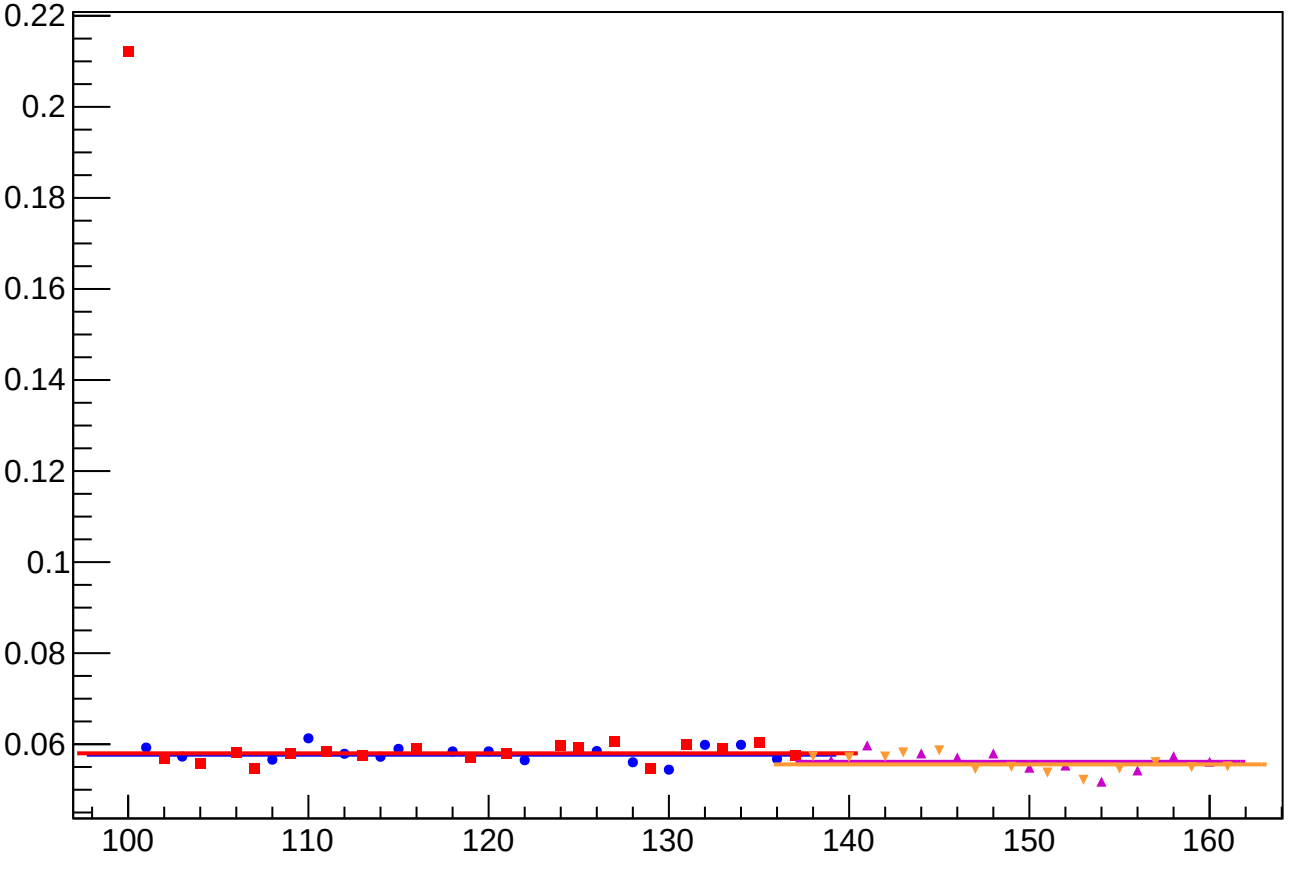
Left In: -25.354+/-0.000 χ^2/NDF:7930465.8/10

+ sign -25.372+/-0.000 χ^2/NDF: 35963277.3/28

All: -25.357+/-0.000 χ^2/NDF: 6362696435.5/

- sign -25.340+/-0.000 χ^2/NDF: 6324064035.7/29

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.056+/-0.000 χ^2/NDF:20957.5/12

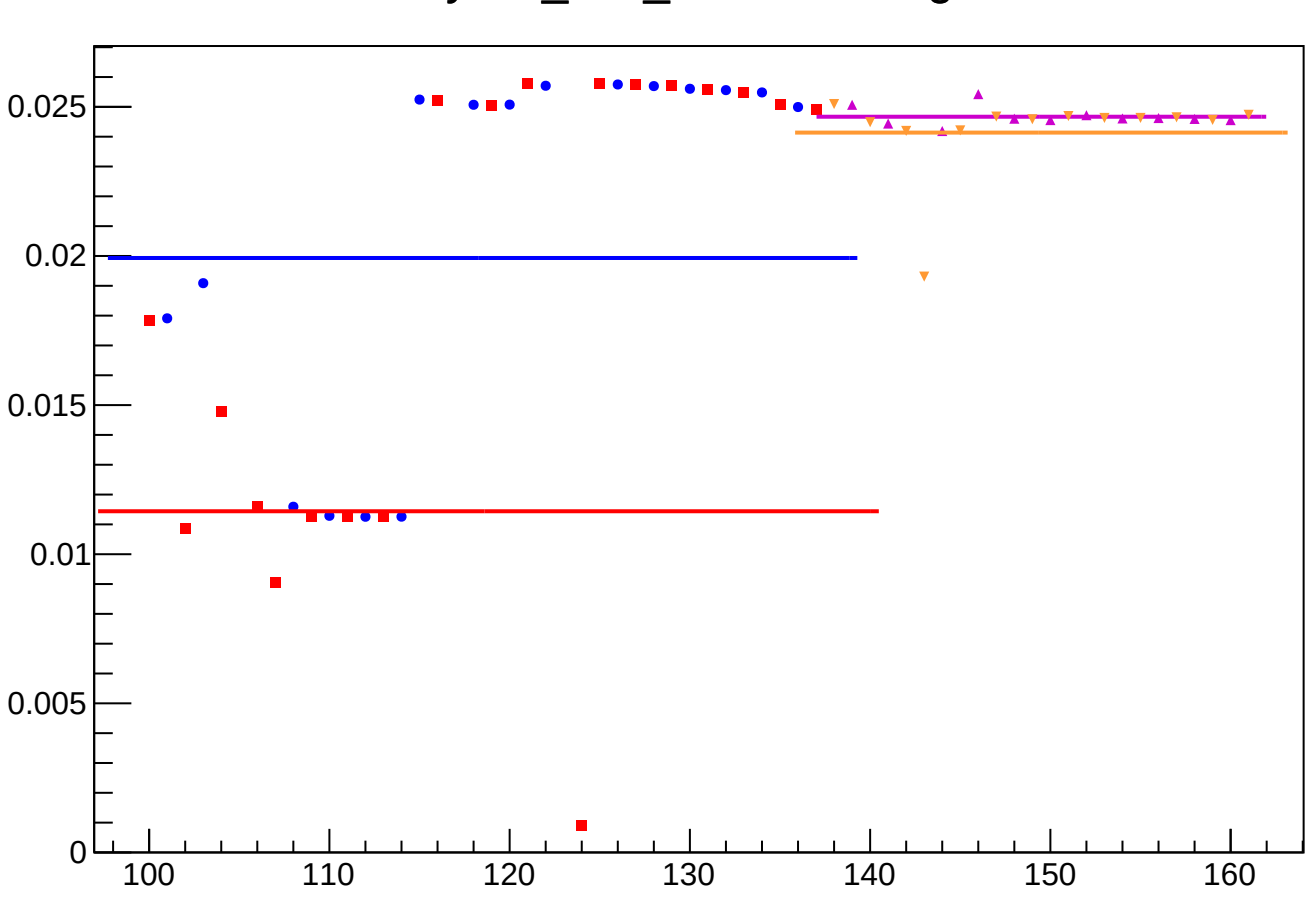
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:26188.9/10

+ sign 0.056+/-0.000 χ^2/NDF: 44262.3/28

All: 0.057+/-0.000 χ^2/NDF: 169140.4/58

- sign 0.057+/-0.000 χ^2/NDF: 123524.0/29



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4660175820.7/12

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

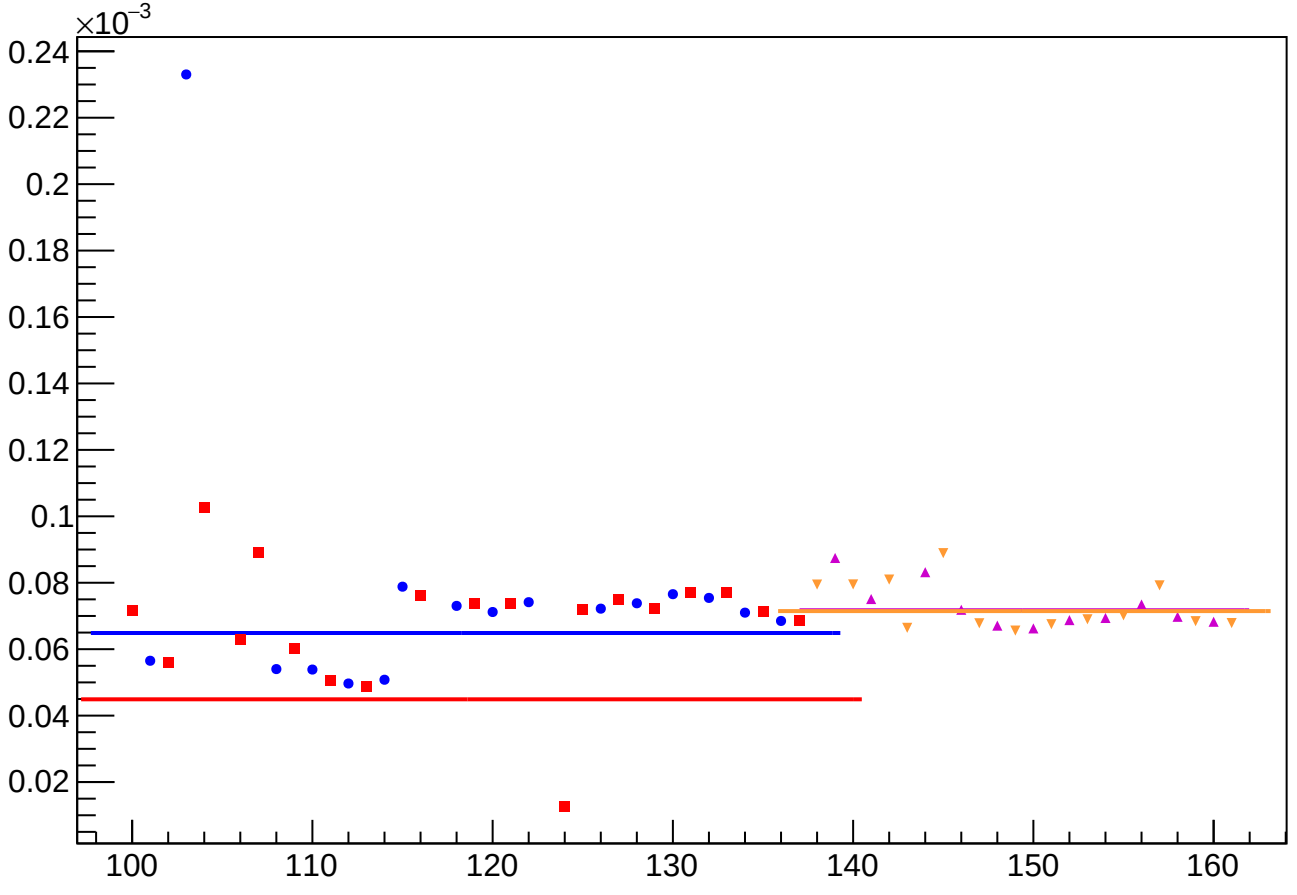
Left In: 0.025+/-0.000 χ^2/NDF:158631104.5/10

+ sign 0.022+/-0.000 χ^2/NDF: 82466043992.7/28

All: 0.019+/-0.000 χ^2/NDF: 575395155981.1

- sign 0.017+/-0.000 χ^2/NDF: 438057811370.4/29

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:161199.3/12

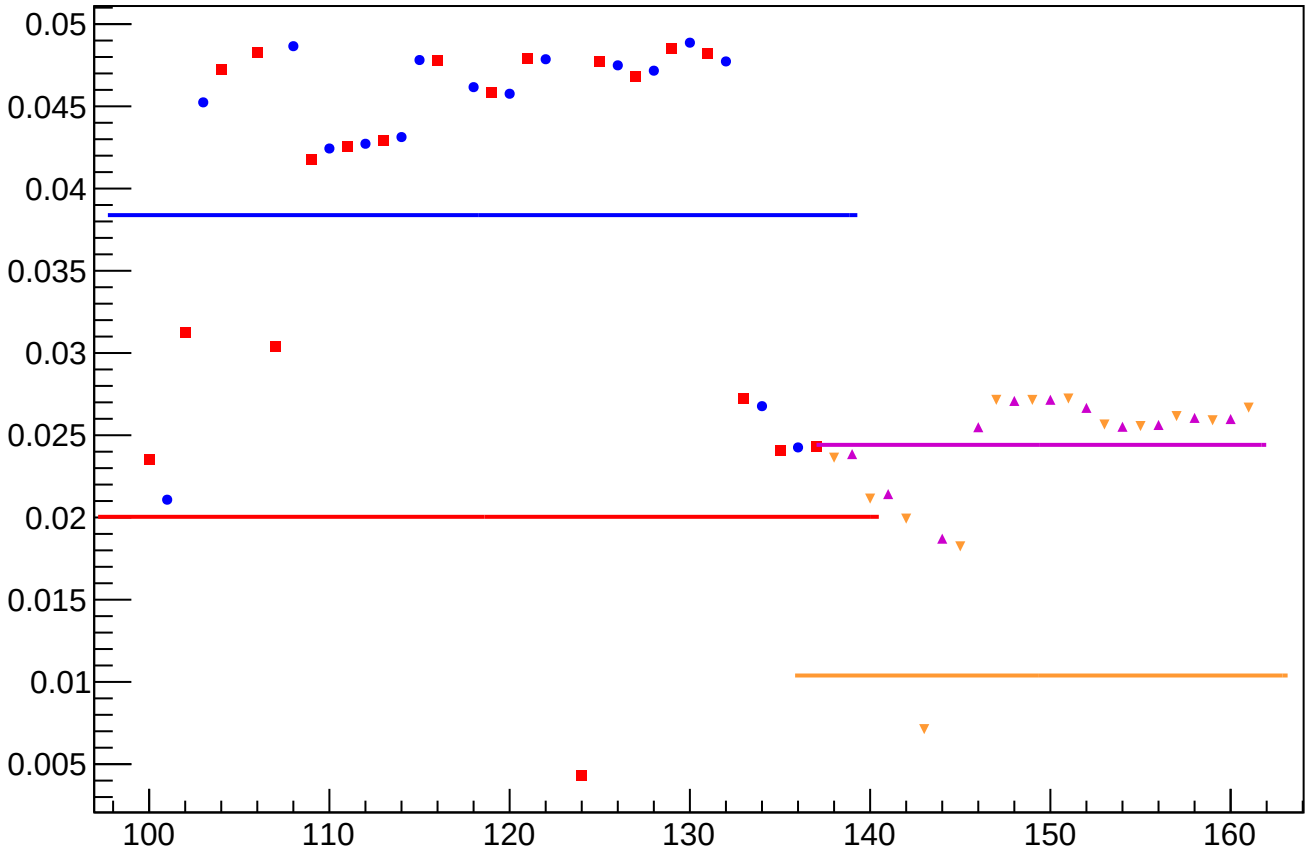
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:120253.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 1053581.3/28

All: 0.000+/-0.000 χ^2/NDF: 7059027.4/58

- sign 0.000+/-0.000 χ^2/NDF: 5403468.8/29



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:25458618340.1/12

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

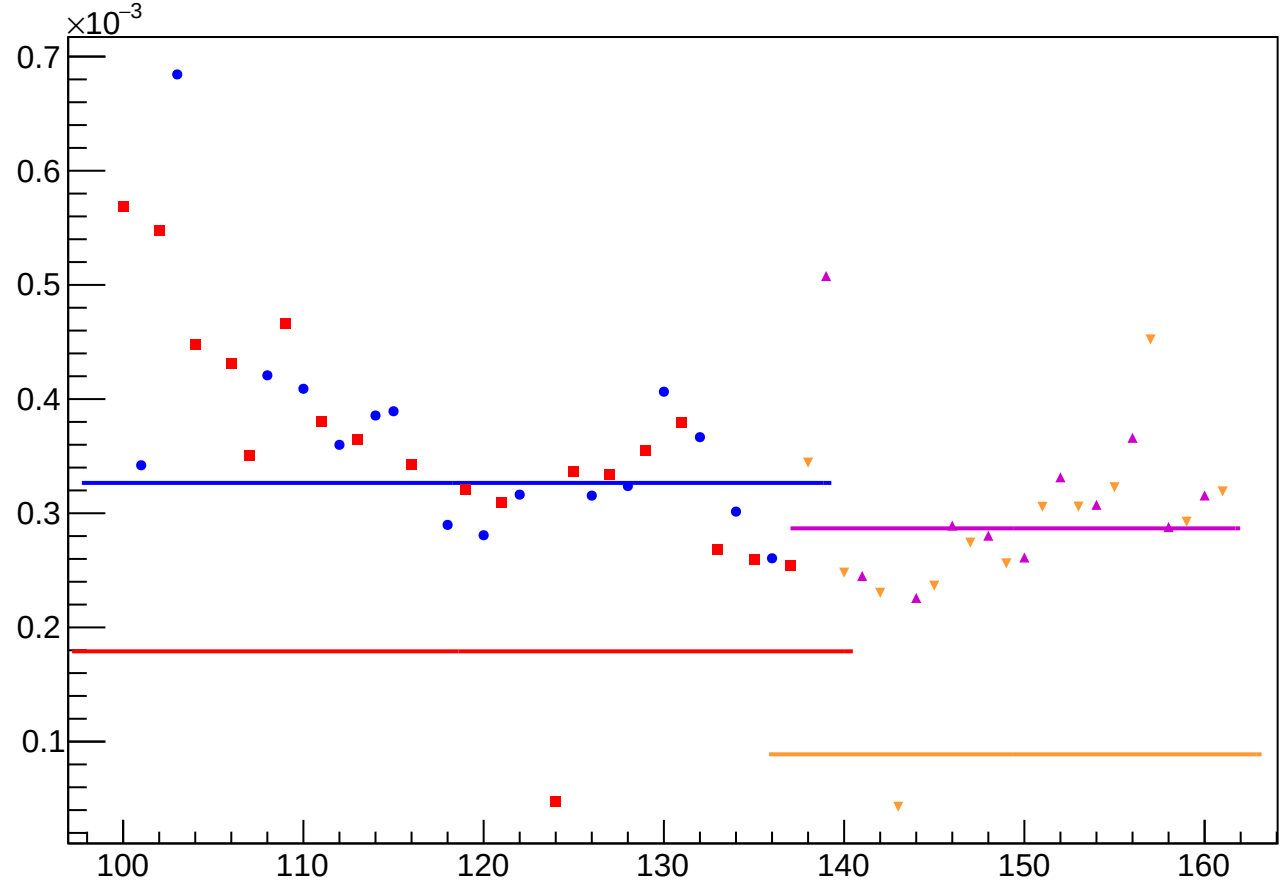
Left In: 0.024+/-0.000 χ^2/NDF:904145100.9/10

+ sign 0.013+/-0.000 χ^2/NDF: 74332067939.2/28

All: 0.016+/-0.000 χ^2/NDF: 131276521863.7

- sign 0.022+/-0.000 χ^2/NDF: 44152394933.7/29

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:10098347.9/12

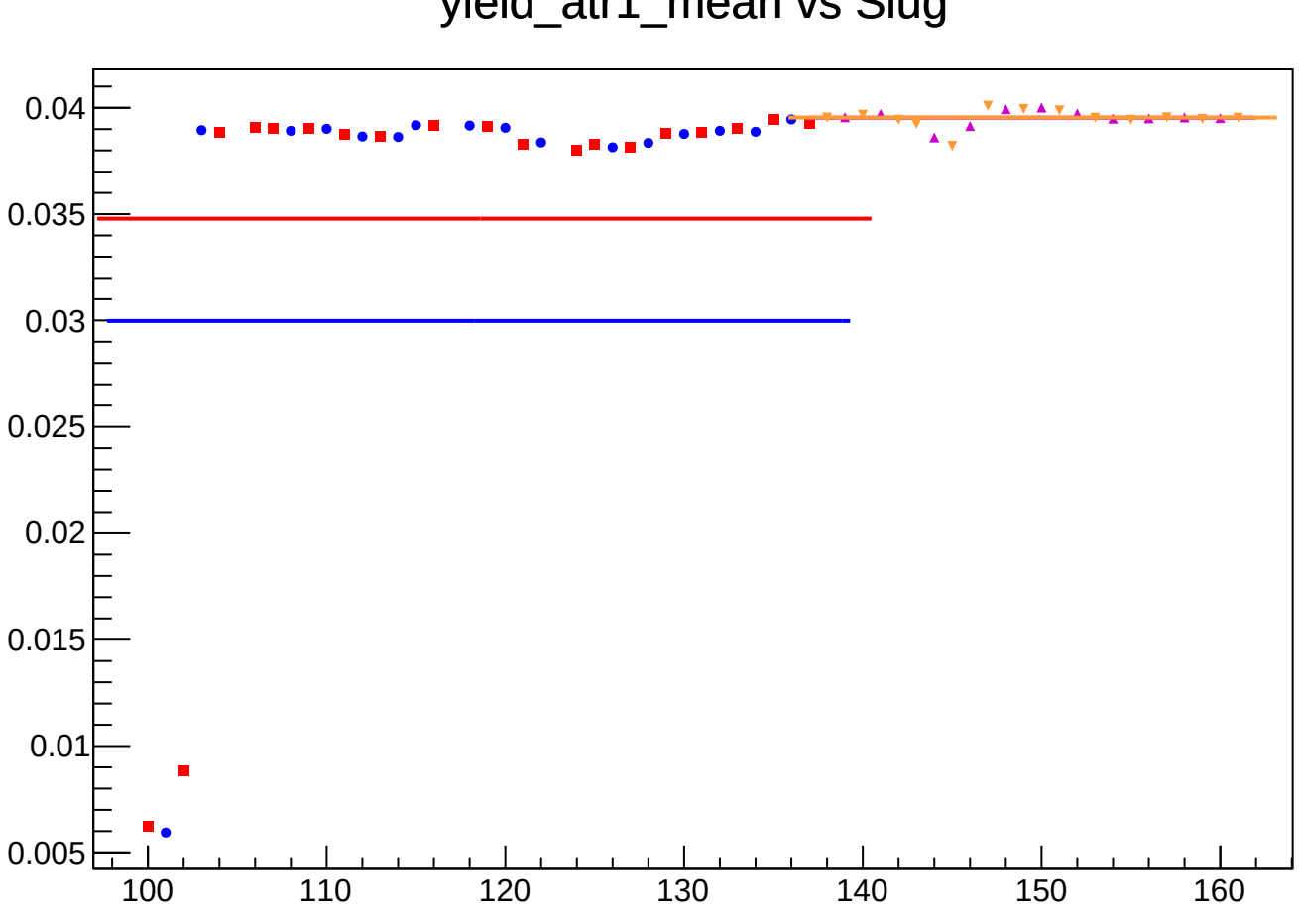
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:598372.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 16708341.9/28

All: 0.000+/-0.000 χ^2/NDF: 28611562.5/58

- sign 0.000+/-0.000 χ^2/NDF: 7547945.6/29



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:93088314.2/12

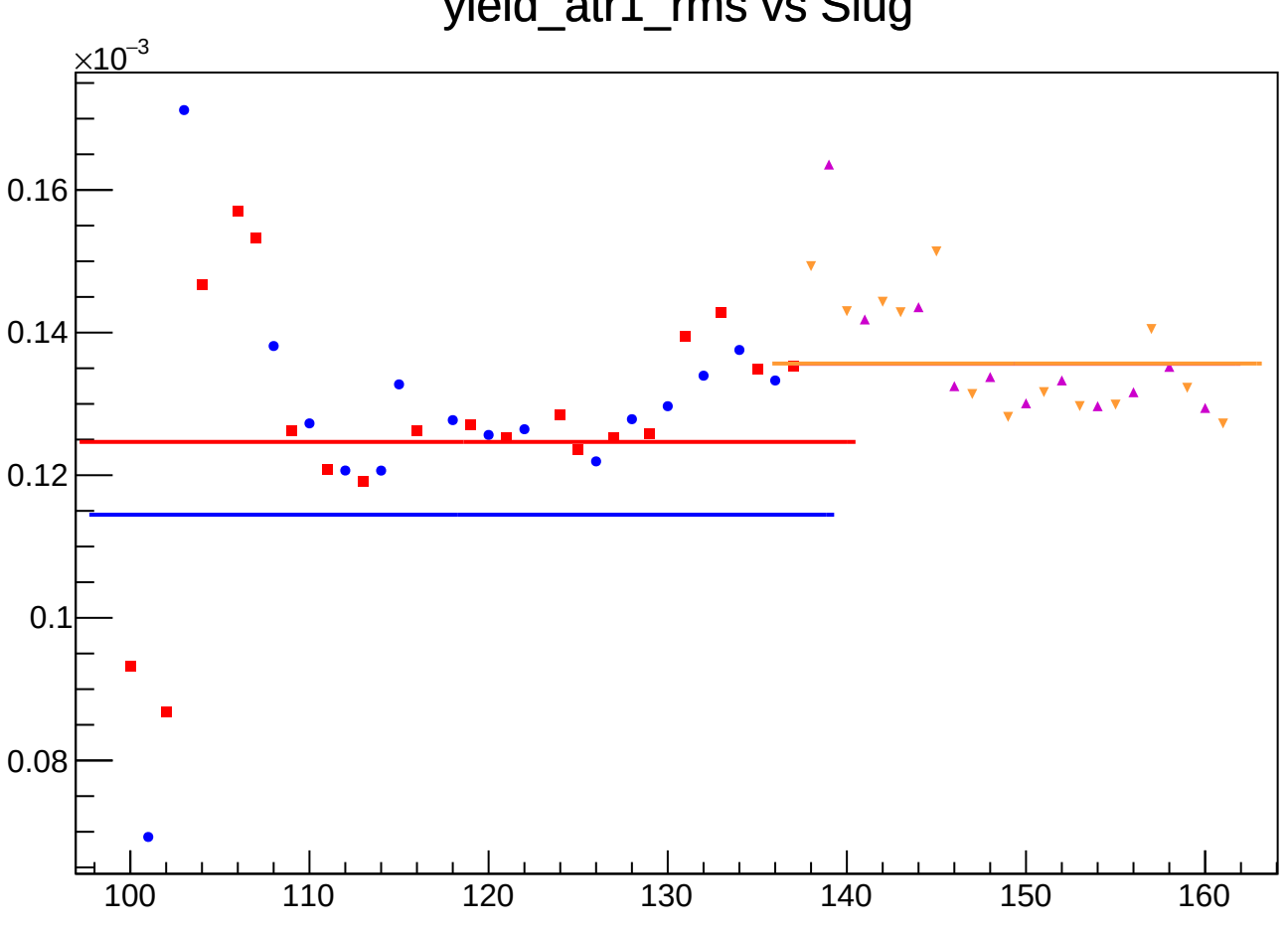
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:65860157.7/10

+ sign 0.035+/-0.000 χ^2/NDF: 132401892246.7/28

All: 0.036+/-0.000 χ^2/NDF: 187876969193.1

- sign 0.037+/-0.000 χ^2/NDF: 52655368753.0/29



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:66140.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

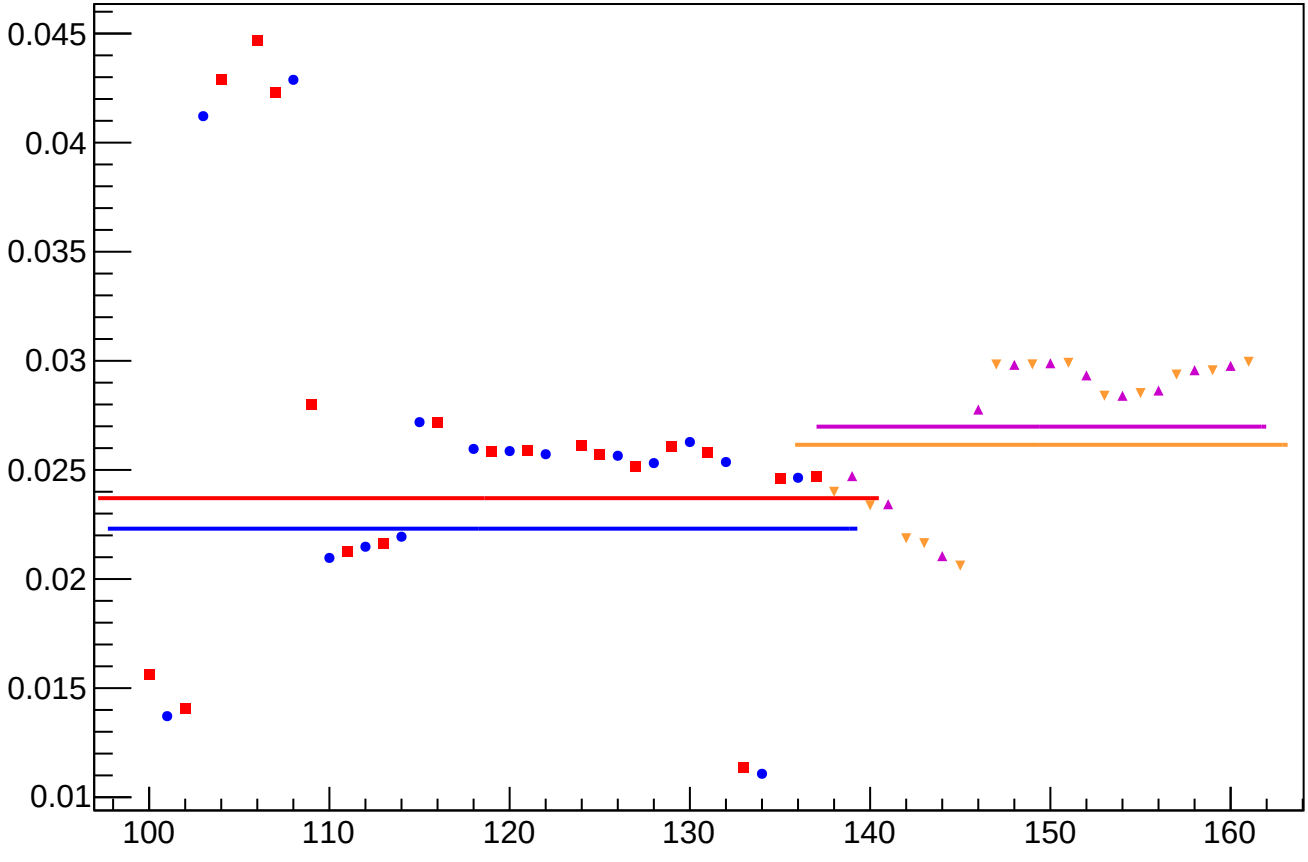
Left In: 0.000+/-0.000 χ^2/NDF:70561.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 1155387.6/28

All: 0.000+/-0.000 χ^2/NDF: 1568538.4/58

- sign 0.000+/-0.000 χ^2/NDF: 387722.5/29

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.026+/-0.000 χ^2/NDF:1735690331.9/12

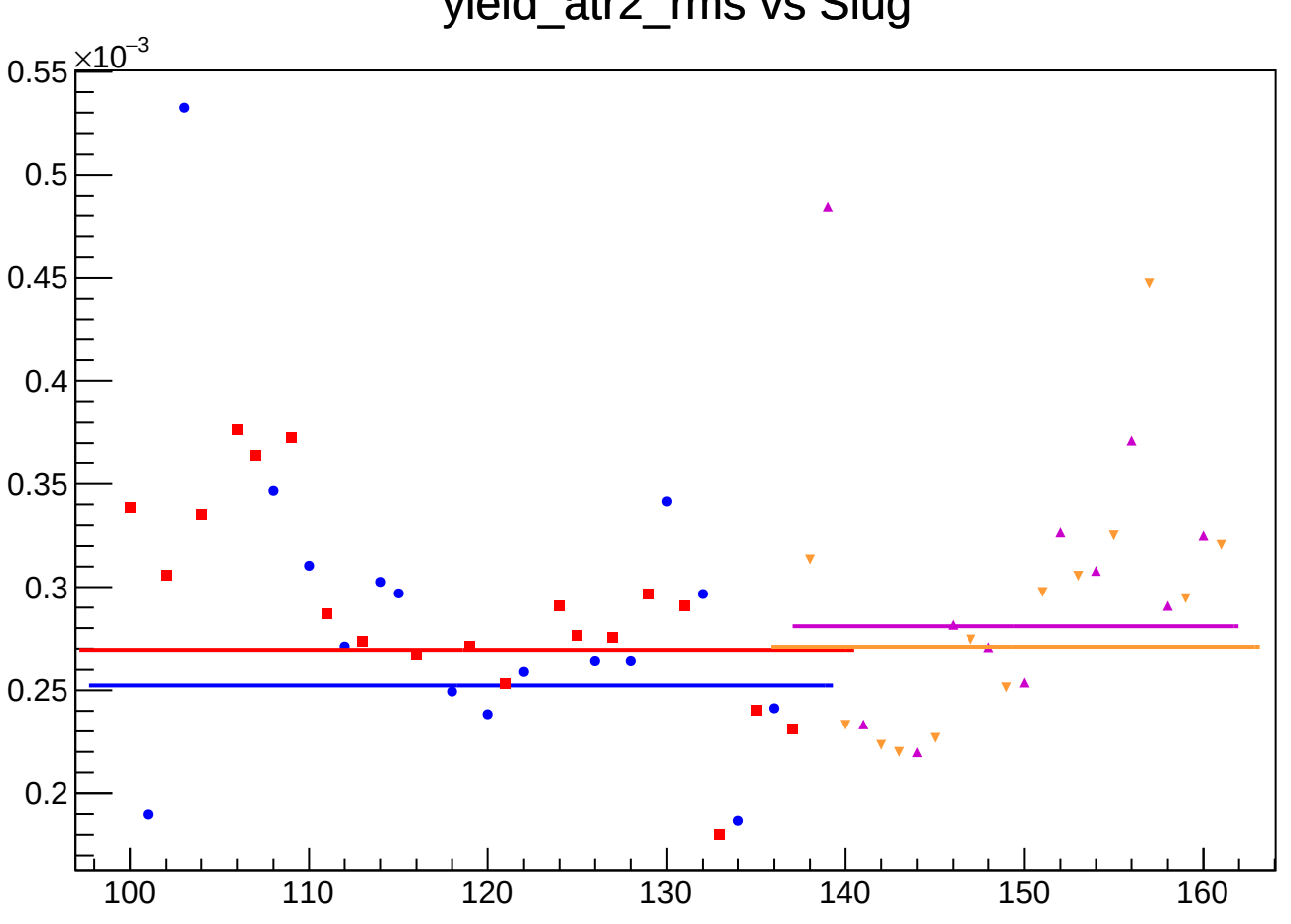
Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.027+/-0.000 χ^2/NDF:1190615623.4/10

+ sign 0.024+/-0.000 χ^2/NDF: 7550385281.9/28

All: 0.025+/-0.000 χ^2/NDF: 14961011880.2/5

- sign 0.025+/-0.000 χ^2/NDF: 7294710011.5/29



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:556142.6/12

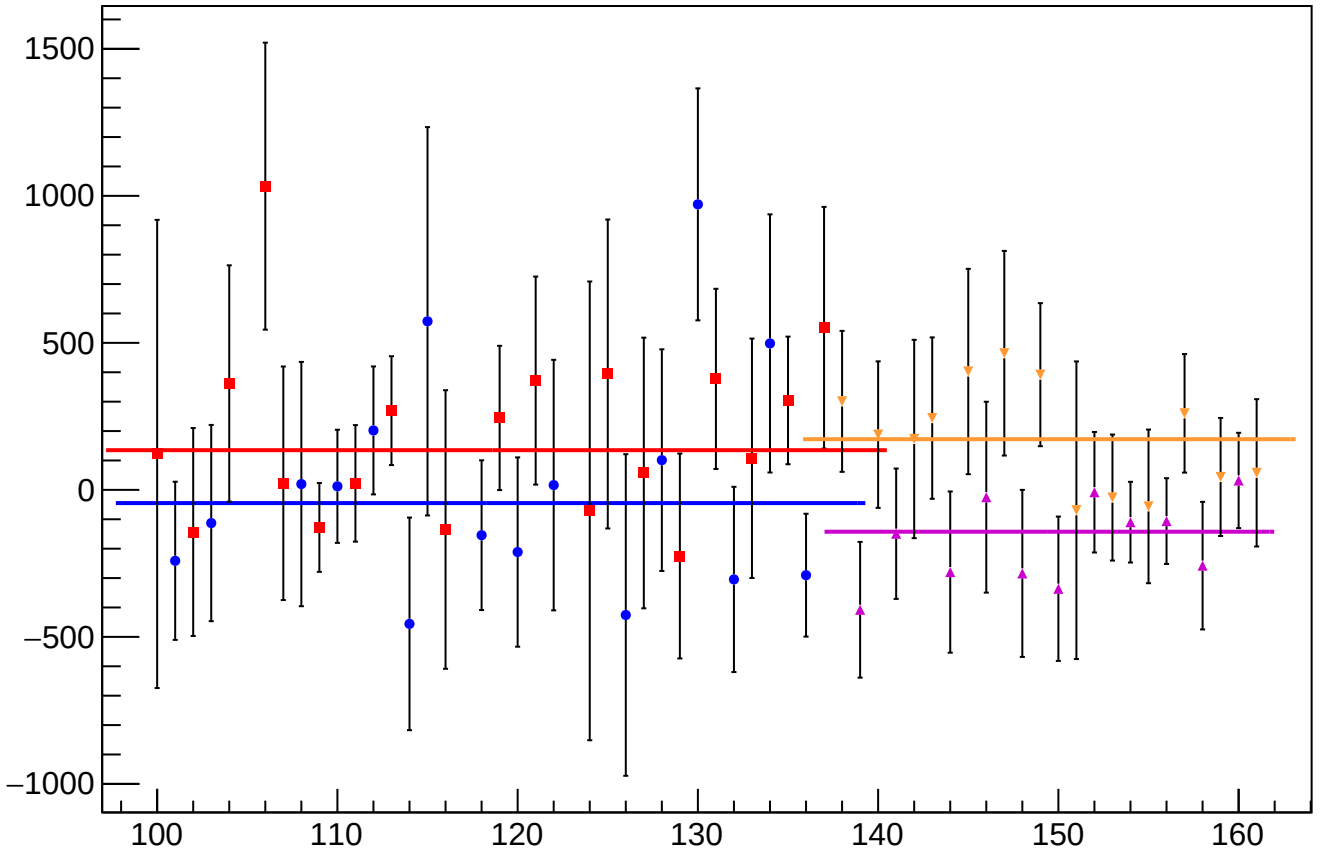
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:657626.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 1301089.7/28

All: 0.000+/-0.000 χ^2/NDF: 2453251.5/58

- sign 0.000+/-0.000 χ^2/NDF: 1116906.7/29



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 172.369+/-71.686 χ^2/NDF:5.0/12

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

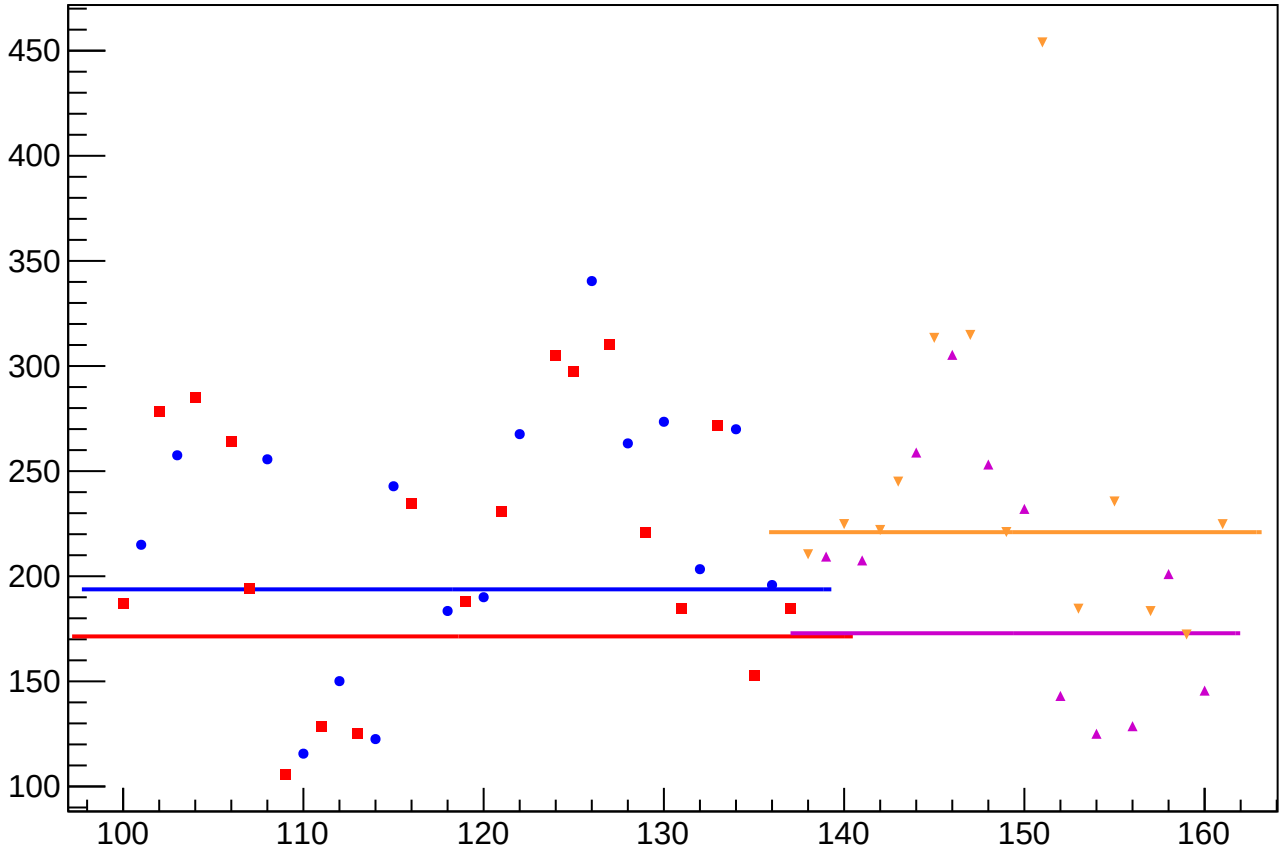
Left In: -142.322+/-60.395 χ^2/NDF:4.6/10

+ sign 70.349+/-52.212 χ^2/NDF: 24.8/28

All: 18.589+/-34.162 χ^2/NDF: 53.3/58

- sign -20.157+/-45.174 χ^2/NDF: 26.8/29

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: 220.966+/-0.051 χ^2/NDF:980320.3/12

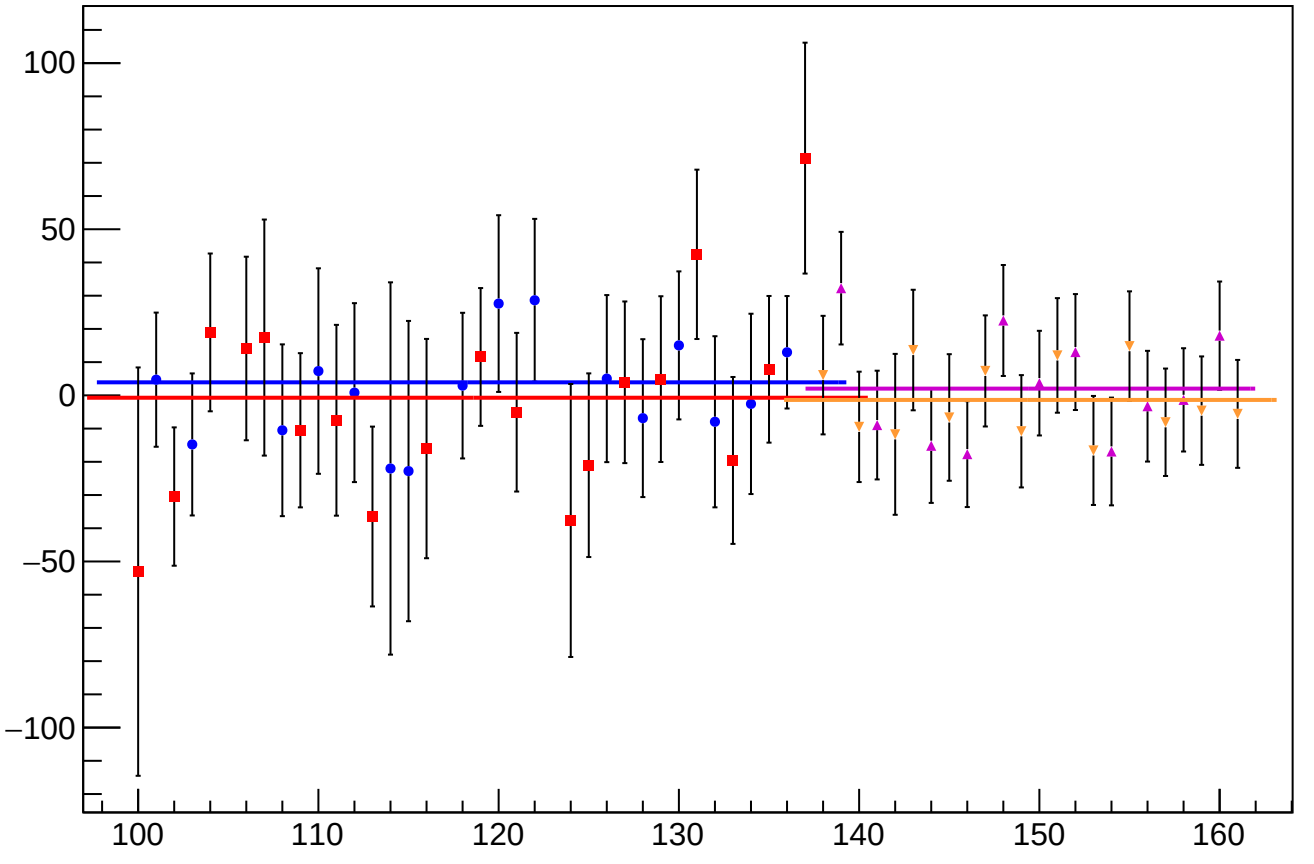
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 172.884+/-0.043 χ^2/NDF:1463649.1/10

+ sign 208.196+/-0.037 χ^2/NDF: 2163588.3/28

All: 187.623+/-0.024 χ^2/NDF: 5828820.9/58

- sign 172.222+/-0.032 χ^2/NDF: 3122273.7/29



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -1.374+/-4.797 χ^2/NDF:4.6/12

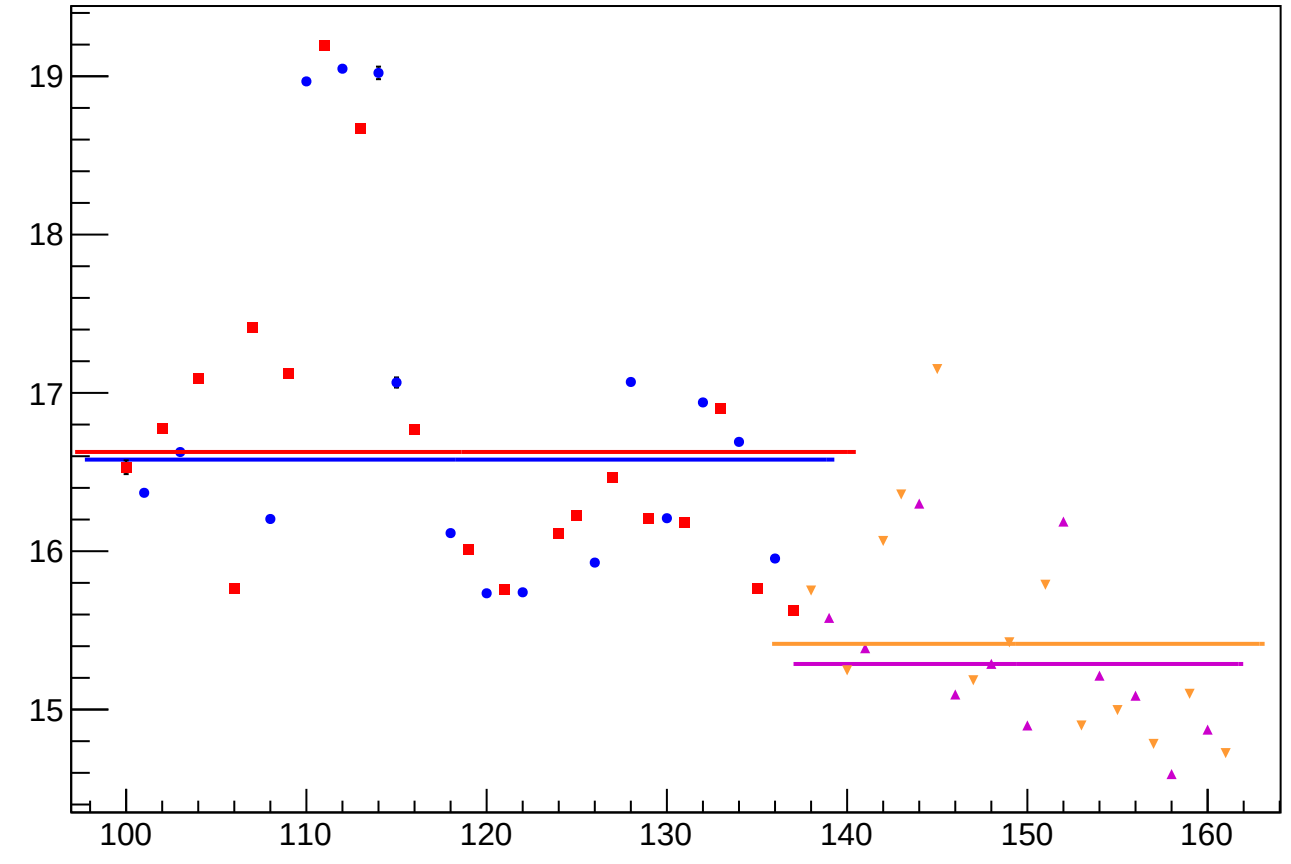
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 2.029+/-4.954 χ^2/NDF:10.5/10

+ sign 0.621+/-3.787 χ^2/NDF: 9.6/28

All: 0.775+/-2.696 χ^2/NDF: 36.2/58

- sign 0.934+/-3.840 χ^2/NDF: 26.6/29



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.415+/-0.003 χ^2/NDF:36362.1/12

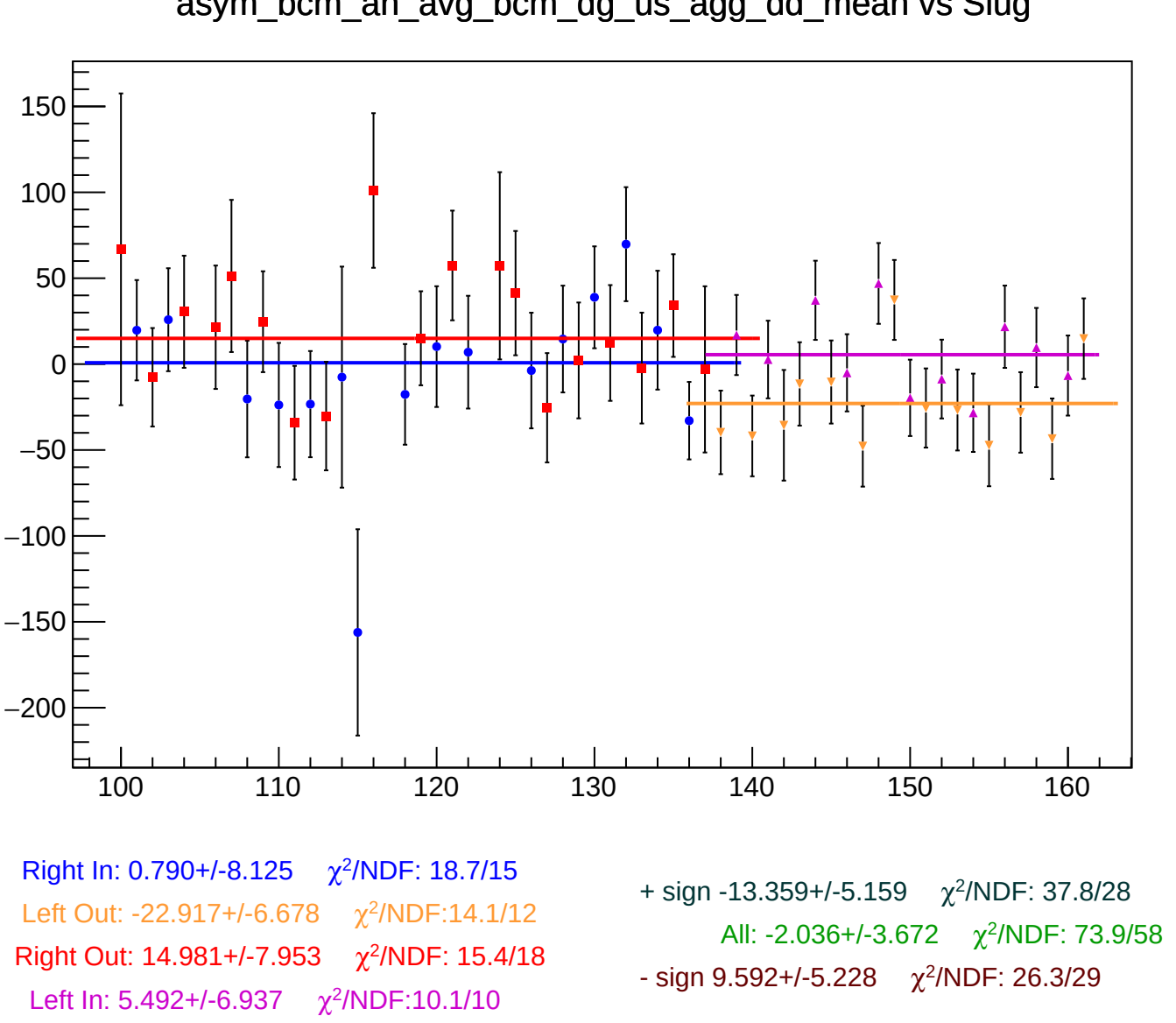
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

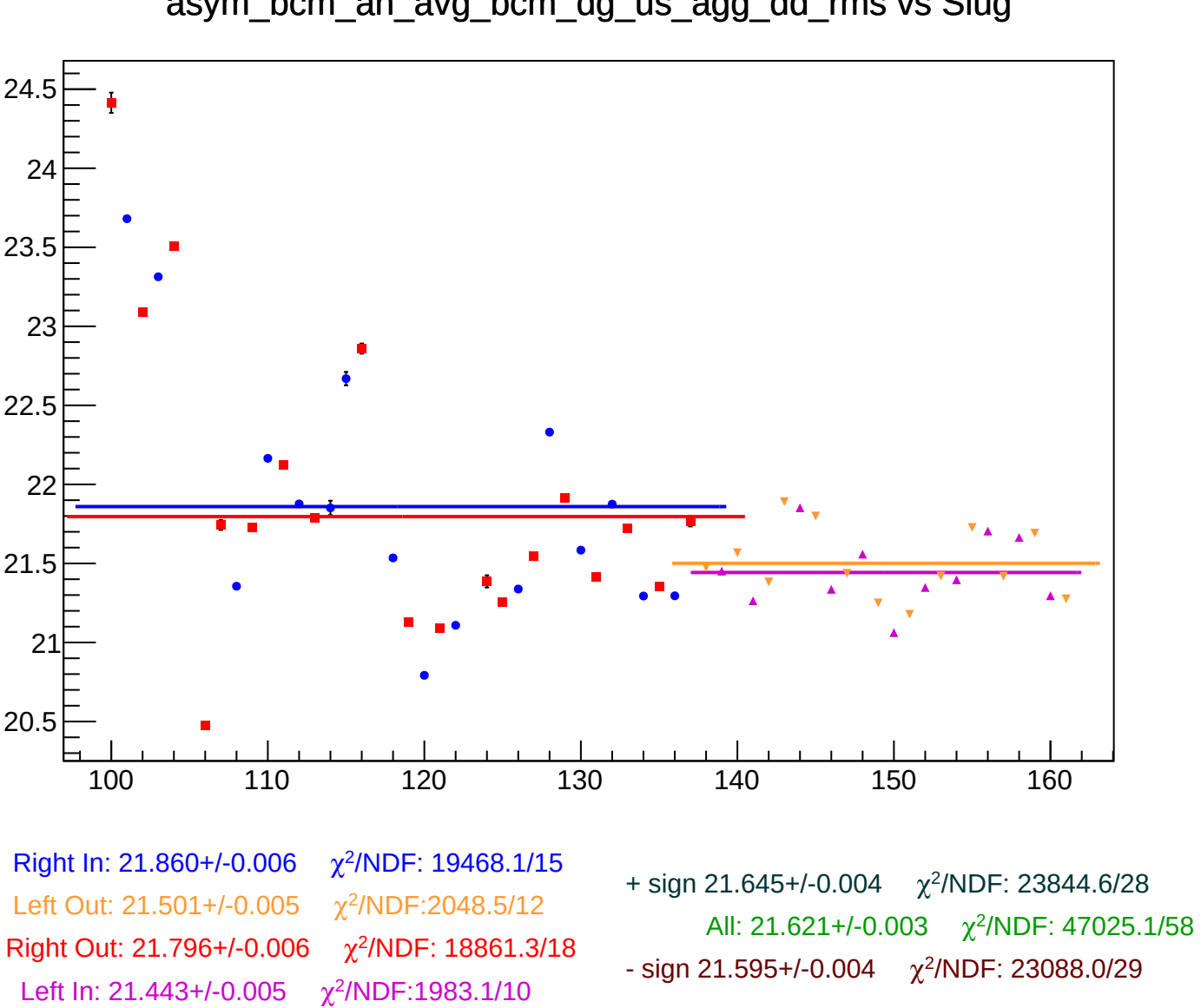
Left In: 15.288+/-0.004 χ^2/NDF:20051.0/10

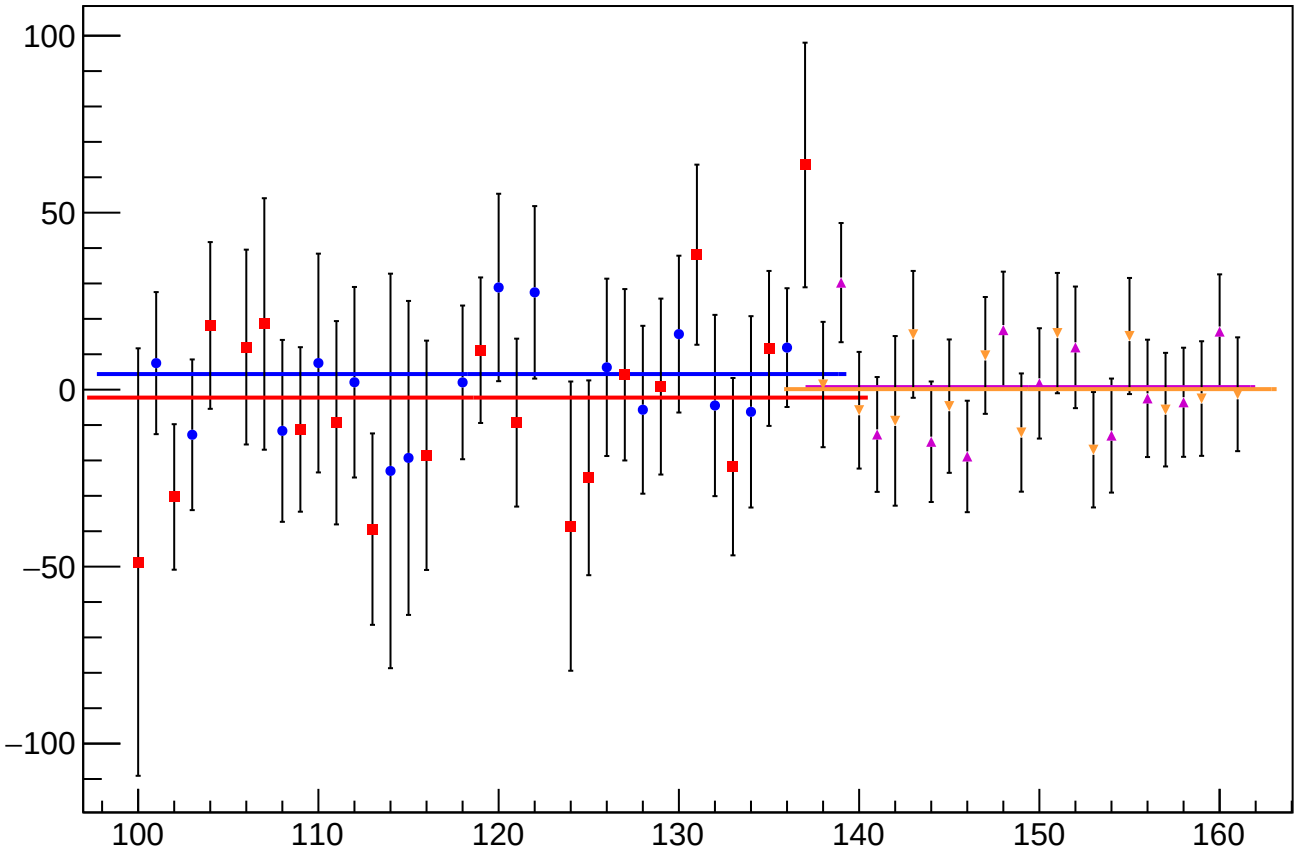
\+ sign 15.853+/-0.003 χ^2/NDF: 125270.3/28

All: 15.838+/-0.002 χ^2/NDF: 247198.4/58

\- sign 15.822+/-0.003 χ^2/NDF: 121863.2/29


asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
Right In: 0.790+/-8.125 χ²/NDF: 18.7/15
Left Out: -22.917+/-6.678 χ²/NDF:14.1/12
Right Out: 14.981+/-7.953 χ²/NDF: 15.4/18
Left In: 5.492+/-6.937 χ²/NDF:10.1/10
+ sign -13.359+/-5.159 χ²/NDF: 37.8/28
All: -2.036+/-3.672 χ²/NDF: 73.9/58
- sign 9.592+/-5.228 χ²/NDF: 26.3/29


asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug
24.5
24
23.5
23
22.5
22
21.5
21
20.5
100
110
120
130
140
150
160
Right In: 21.860+/-0.006 χ²/NDF: 19468.1/15
Left Out: 21.501+/-0.005 χ²/NDF:2048.5/12
Right Out: 21.796+/-0.006 χ²/NDF: 18861.3/18
Left In: 21.443+/-0.005 χ²/NDF:1983.1/10
+ sign 21.645+/-0.004 χ²/NDF: 23844.6/28
All: 21.621+/-0.003 χ²/NDF: 47025.1/58
- sign 21.595+/-0.004 χ²/NDF: 23088.0/29



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 0.148+/-4.751 χ^2/NDF:4.9/12

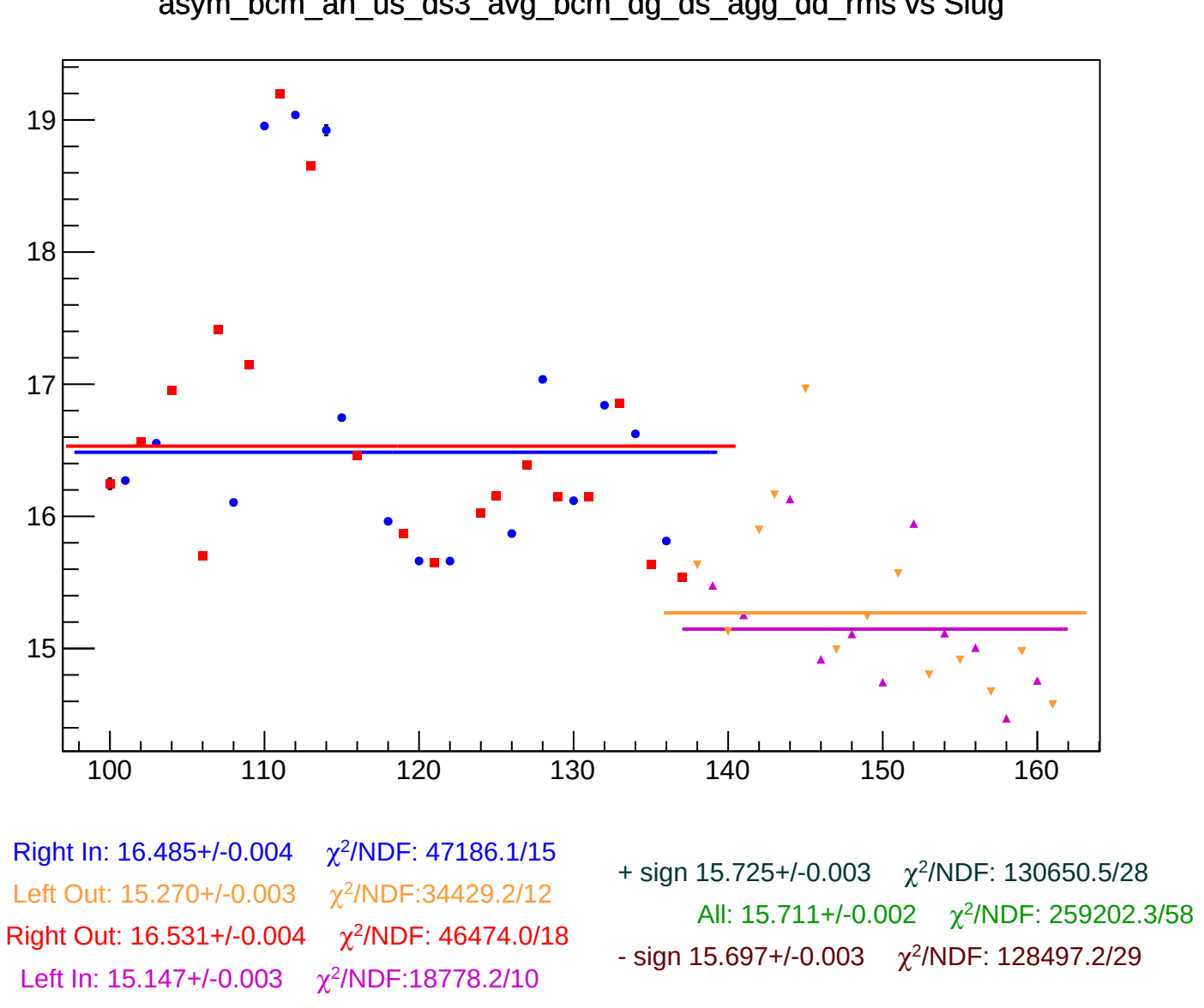
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 0.724+/-4.908 χ^2/NDF:9.3/10

+ sign 1.743+/-3.757 χ^2/NDF: 9.5/28

All: 0.659+/-2.675 χ^2/NDF: 34.5/58

- sign -0.456+/-3.810 χ^2/NDF: 24.8/29



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.270+/-0.003 χ^2/NDF:34429.2/12

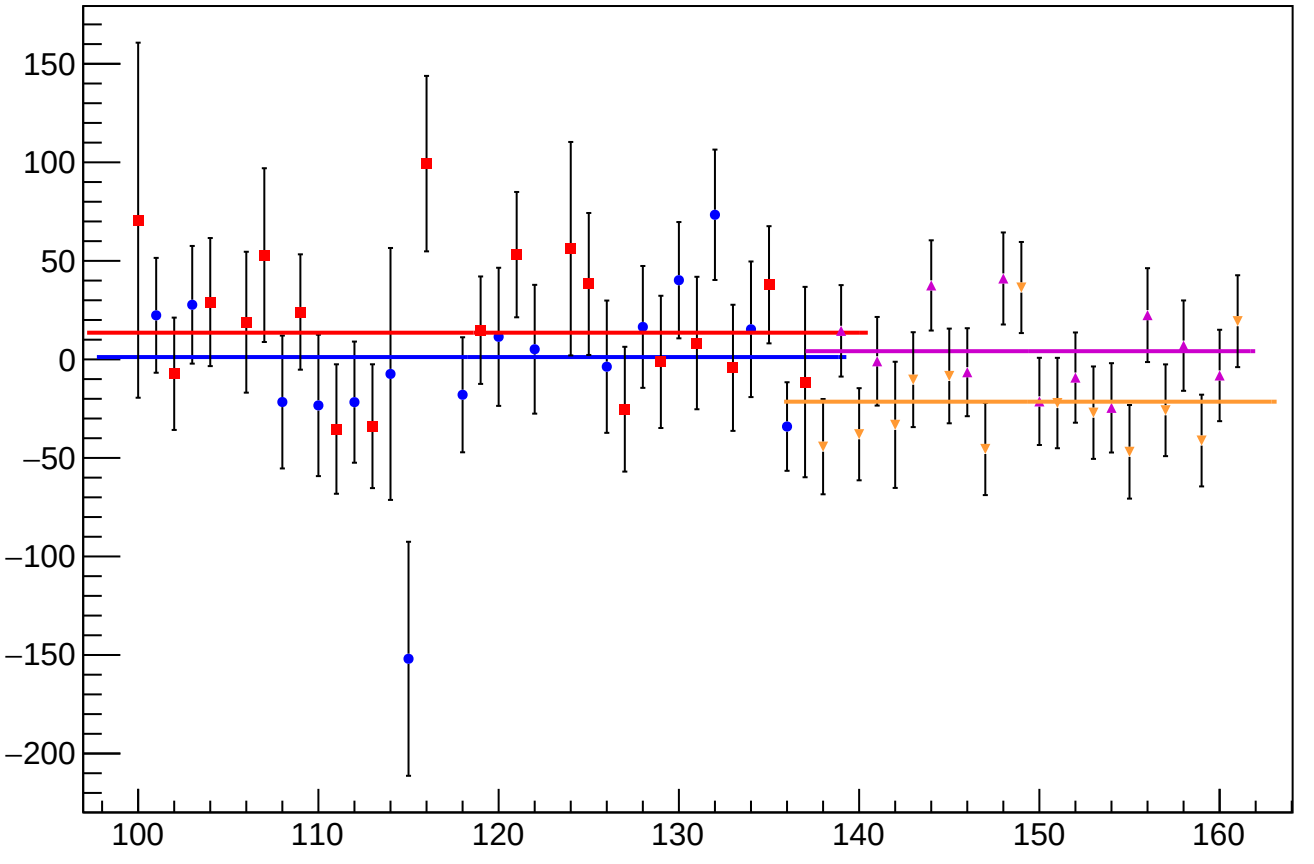
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.147+/-0.003 χ^2/NDF:18778.2/10

+ sign 15.725+/-0.003 χ^2/NDF: 130650.5/28

All: 15.711+/-0.002 χ^2/NDF: 259202.3/58

- sign 15.697+/-0.003 χ^2/NDF: 128497.2/29



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -21.460+/-6.638 χ^2/NDF:14.4/12

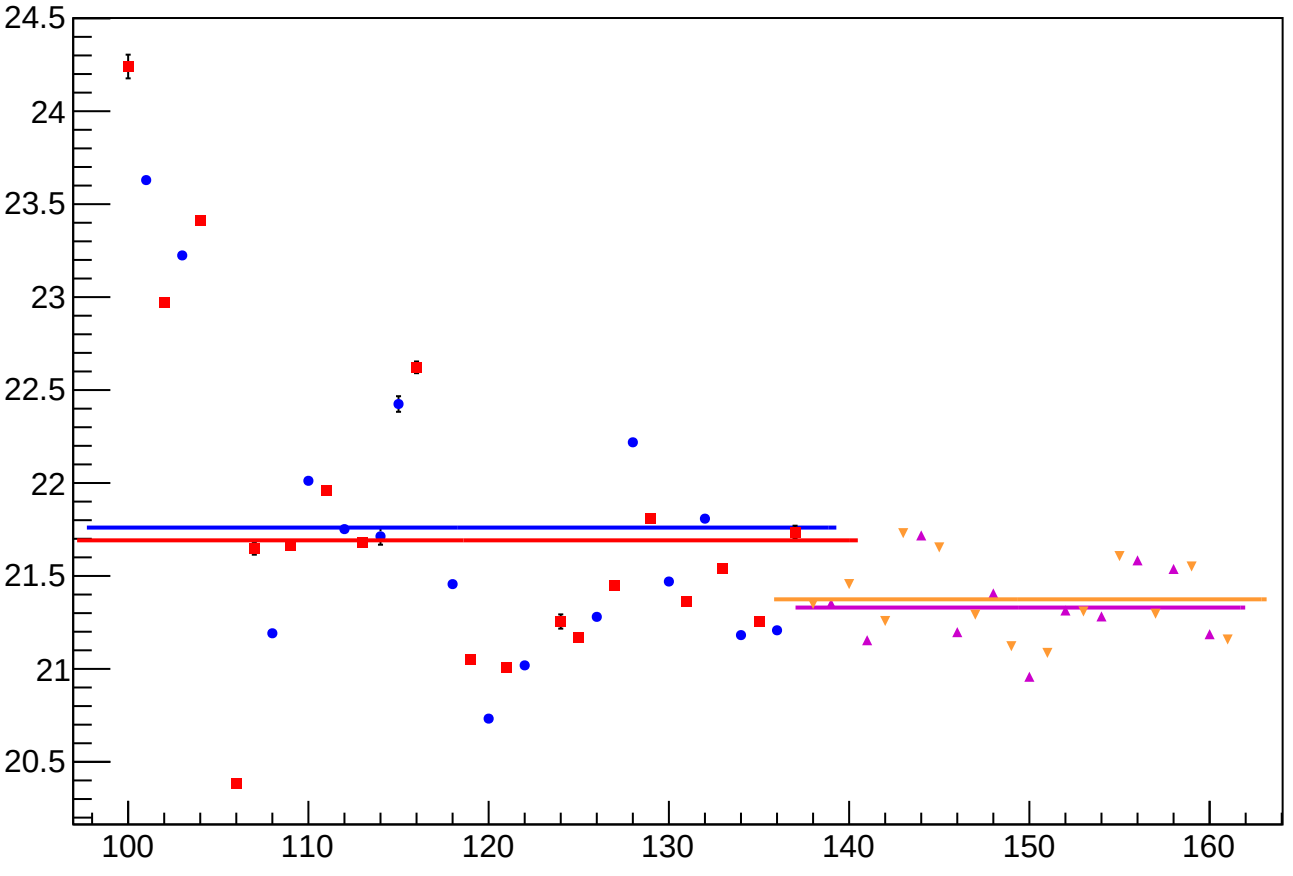
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 4.169+/-6.900 χ^2/NDF:9.3/10

+ sign -12.345+/-5.131 χ^2/NDF: 38.5/28

All: -2.202+/-3.653 χ^2/NDF: 72.4/58

- sign 8.219+/-5.201 χ^2/NDF: 26.0/29



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.374+/-0.005 χ^2/NDF:1855.7/12

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

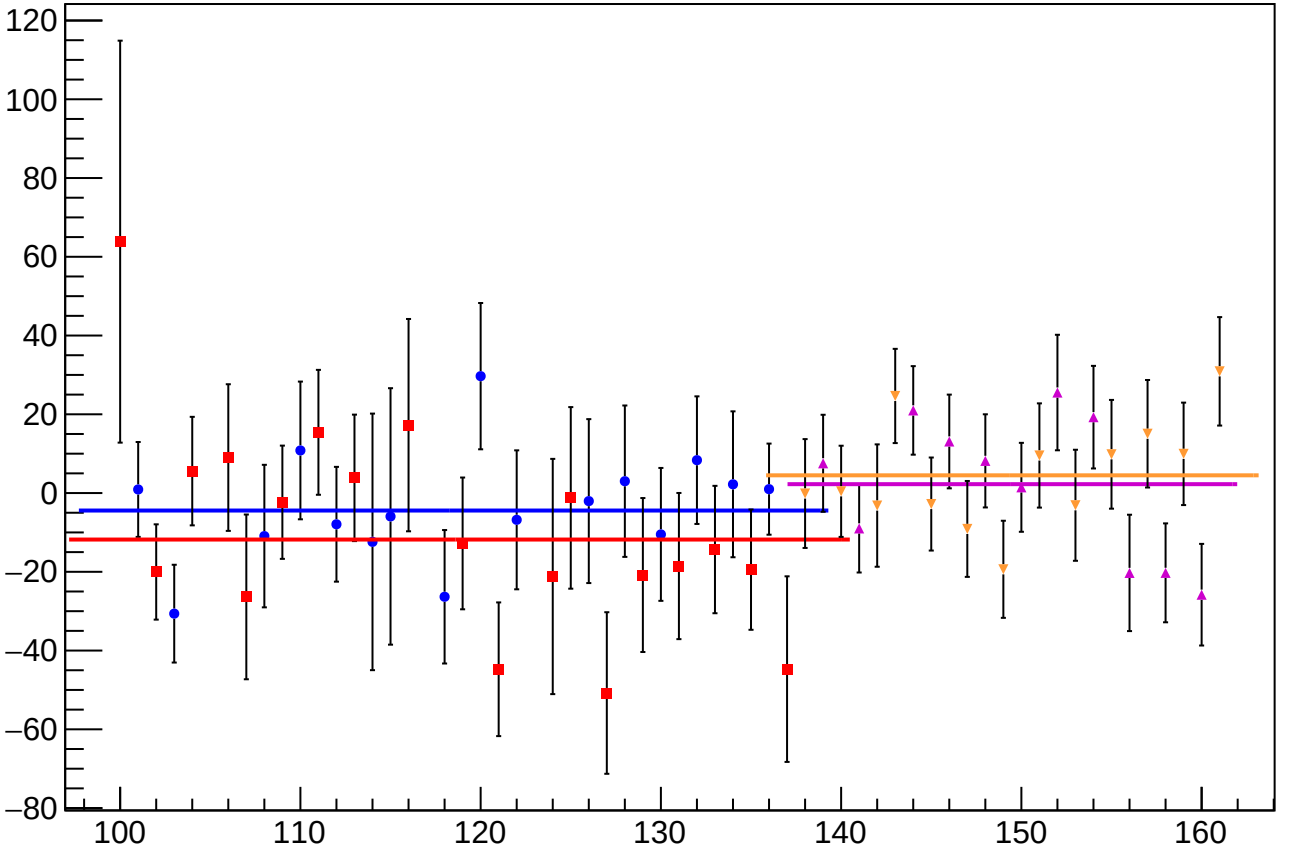
Left In: 21.330+/-0.005 χ^2/NDF:1832.9/10

+ sign 21.530+/-0.004 χ^2/NDF: 24323.4/28

All: 21.508+/-0.003 χ^2/NDF: 46929.4/58

- sign 21.486+/-0.004 χ^2/NDF: 22535.1/29

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 4.502+/-3.608 χ^2/NDF:13.7/12

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

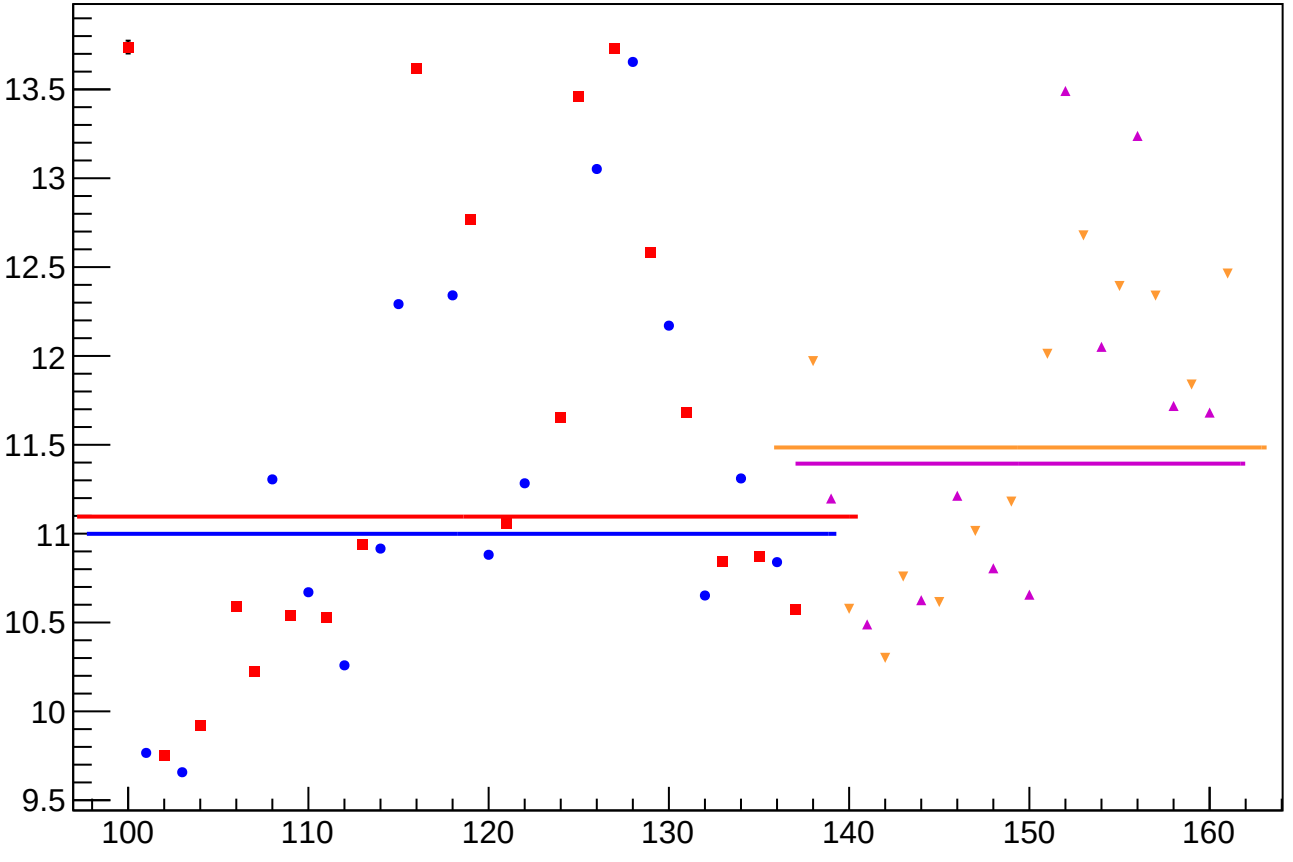
Left In: 2.256+/-3.727 χ^2/NDF:19.5/10

\+ sign 0.633+/-2.717 χ^2/NDF: 28.4/28

All: -1.704+/-1.935 χ^2/NDF: 77.6/58

\- sign -4.111+/-2.757 χ^2/NDF: 47.7/29

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: 11.485+/-0.003 χ^2/NDF:94369.2/12

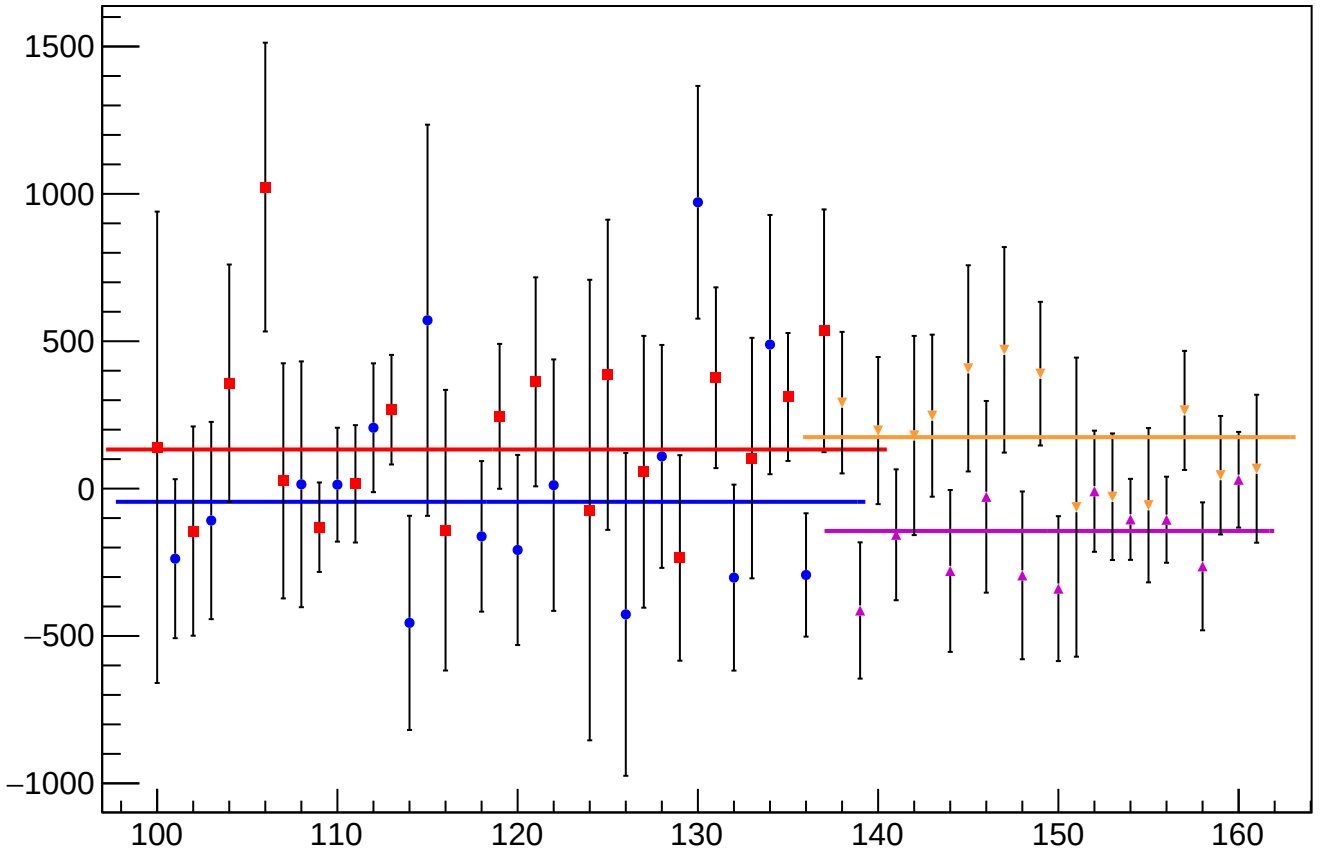
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.394+/-0.003 χ^2/NDF:116307.6/10

+ sign 11.275+/-0.002 χ^2/NDF: 246231.4/28

All: 11.267+/-0.001 χ^2/NDF: 531270.6/58

- sign 11.259+/-0.002 χ^2/NDF: 285006.3/29



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 174.749+/-71.816 χ^2/NDF:4.9/12

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

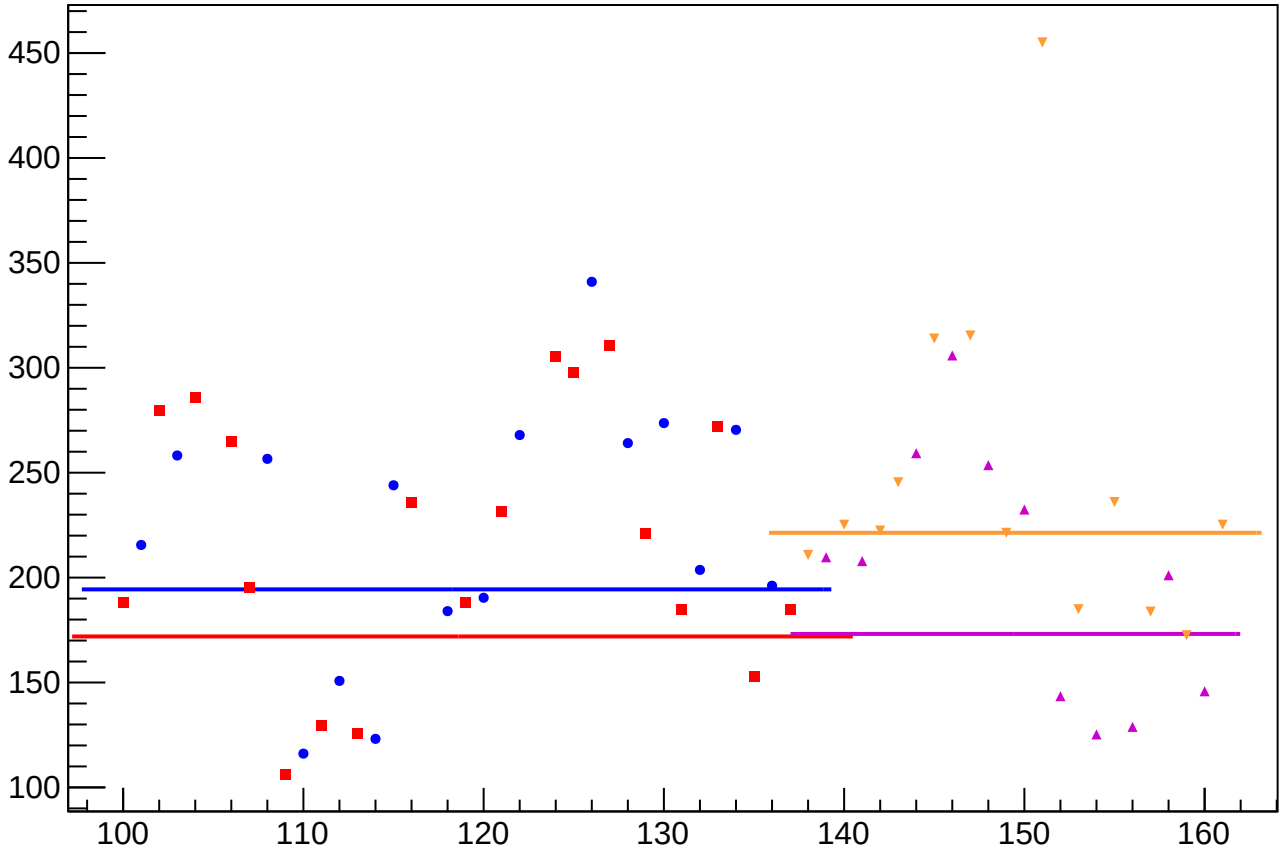
Left In: -143.717+/-60.490 χ^2/NDF:4.7/10

+ sign 71.794+/-52.335 χ^2/NDF: 24.8/28

All: 18.070+/-34.240 χ^2/NDF: 53.3/58

- sign -22.136+/-45.275 χ^2/NDF: 26.7/29

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: 221.358+/-0.051 χ^2/NDF:981058.0/12

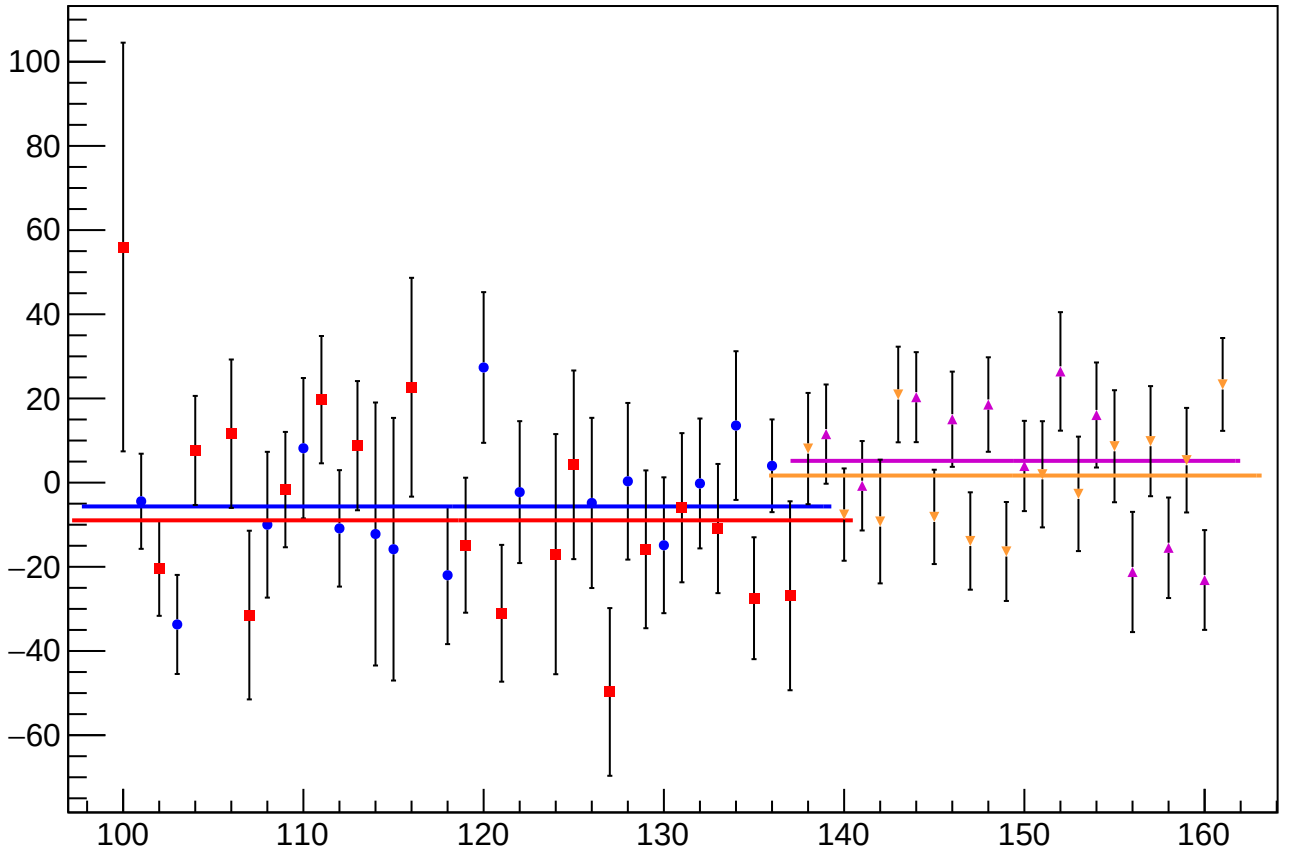
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 173.154+/-0.043 χ^2/NDF:1463686.9/10

+ sign 208.709+/-0.037 χ^2/NDF: 2155380.4/28

All: 188.070+/-0.024 χ^2/NDF: 5814593.4/58

- sign 172.624+/-0.032 χ^2/NDF: 3115379.8/29



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.686+/-3.391 χ^2/NDF:14.0/12

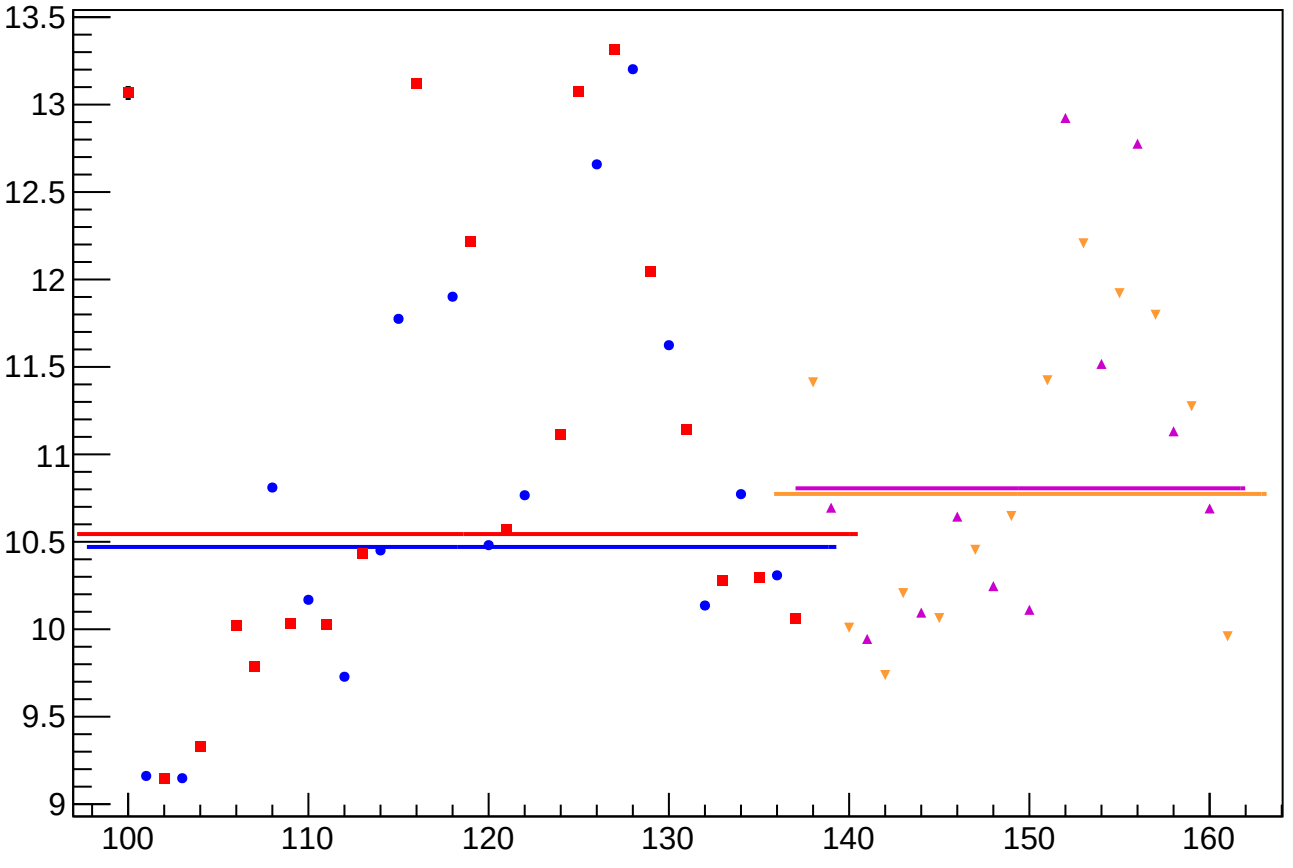
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: 5.174+/-3.541 χ^2/NDF:20.0/10

\+ sign -1.440+/-2.570 χ^2/NDF: 29.7/28

All: -1.328+/-1.835 χ^2/NDF: 79.6/58

\- sign -1.212+/-2.622 χ^2/NDF: 49.9/29



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.774+/-0.002 χ^2/NDF:107901.7/12

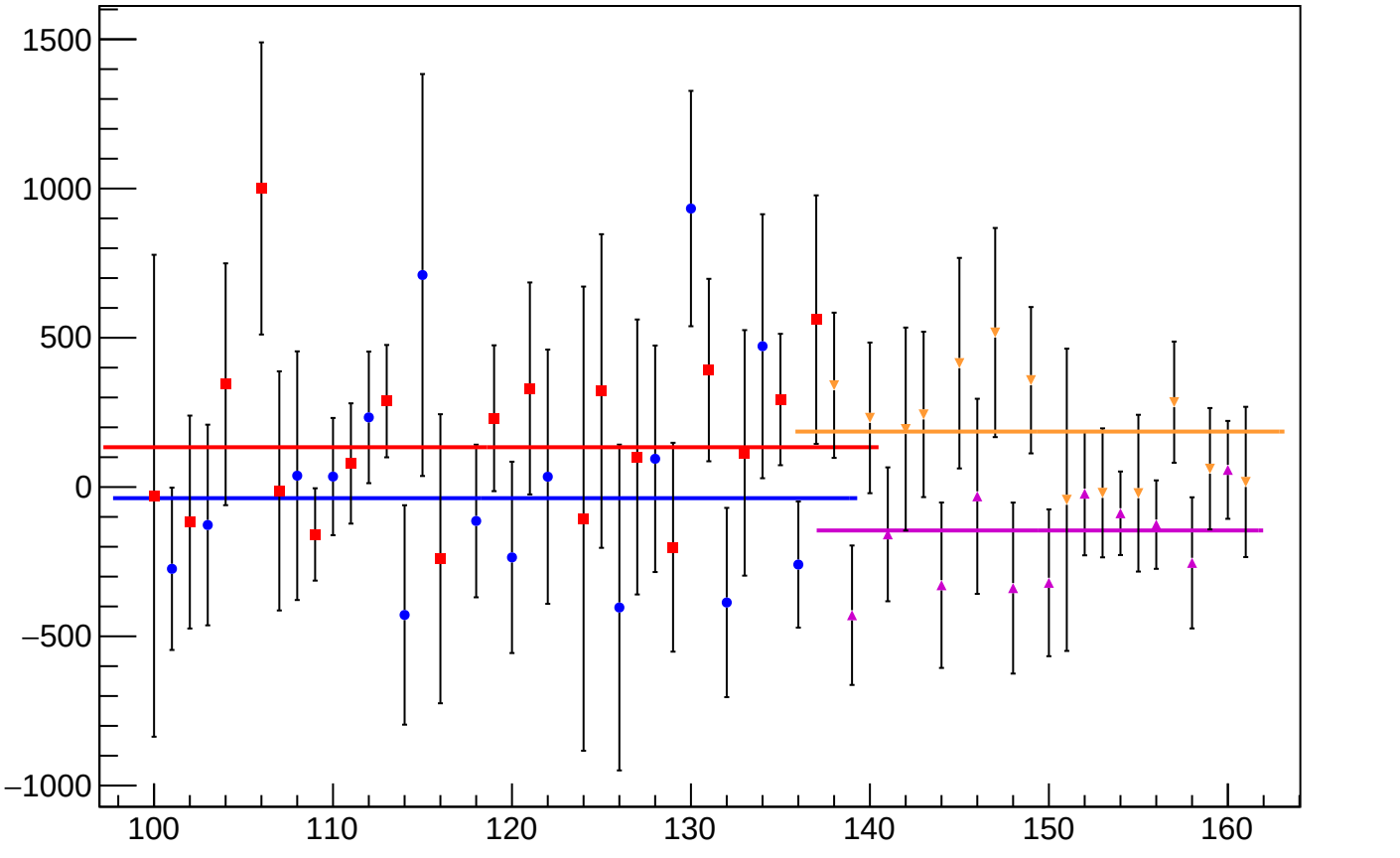
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.806+/-0.003 χ^2/NDF:127415.1/10

+ sign 10.645+/-0.002 χ^2/NDF: 272077.7/28

All: 10.666+/-0.001 χ^2/NDF: 591475.1/58

- sign 10.688+/-0.002 χ^2/NDF: 319123.9/29



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 185.852+/-72.312 χ^2/NDF:5.1/12

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

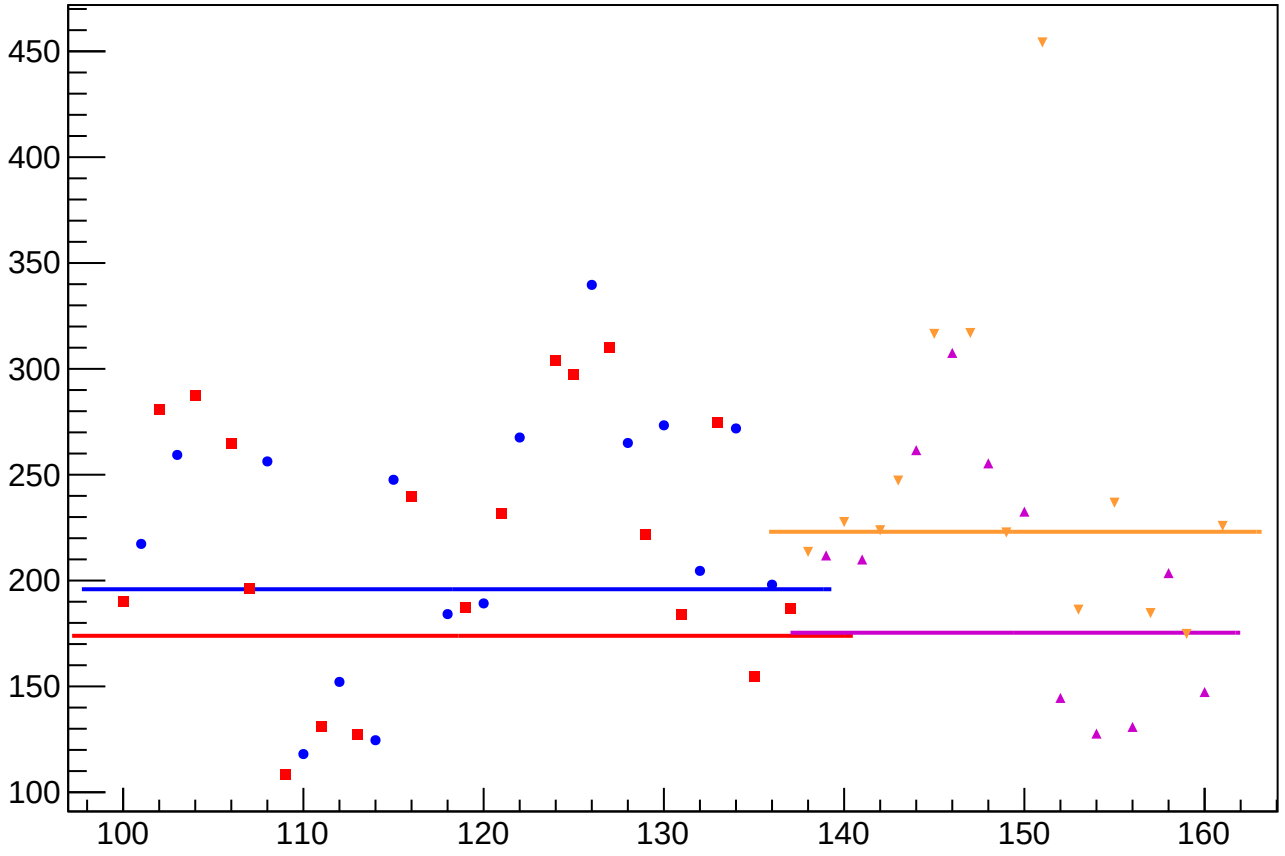
Left In: -145.461+/-61.163 χ^2/NDF:5.3/10

+ sign 81.181+/-52.684 χ^2/NDF: 25.2/28

All: 22.036+/-34.538 χ^2/NDF: 54.8/58

- sign -22.538+/-45.736 χ^2/NDF: 27.4/29

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 223.045+/-0.051 χ^2/NDF:968143.0/12

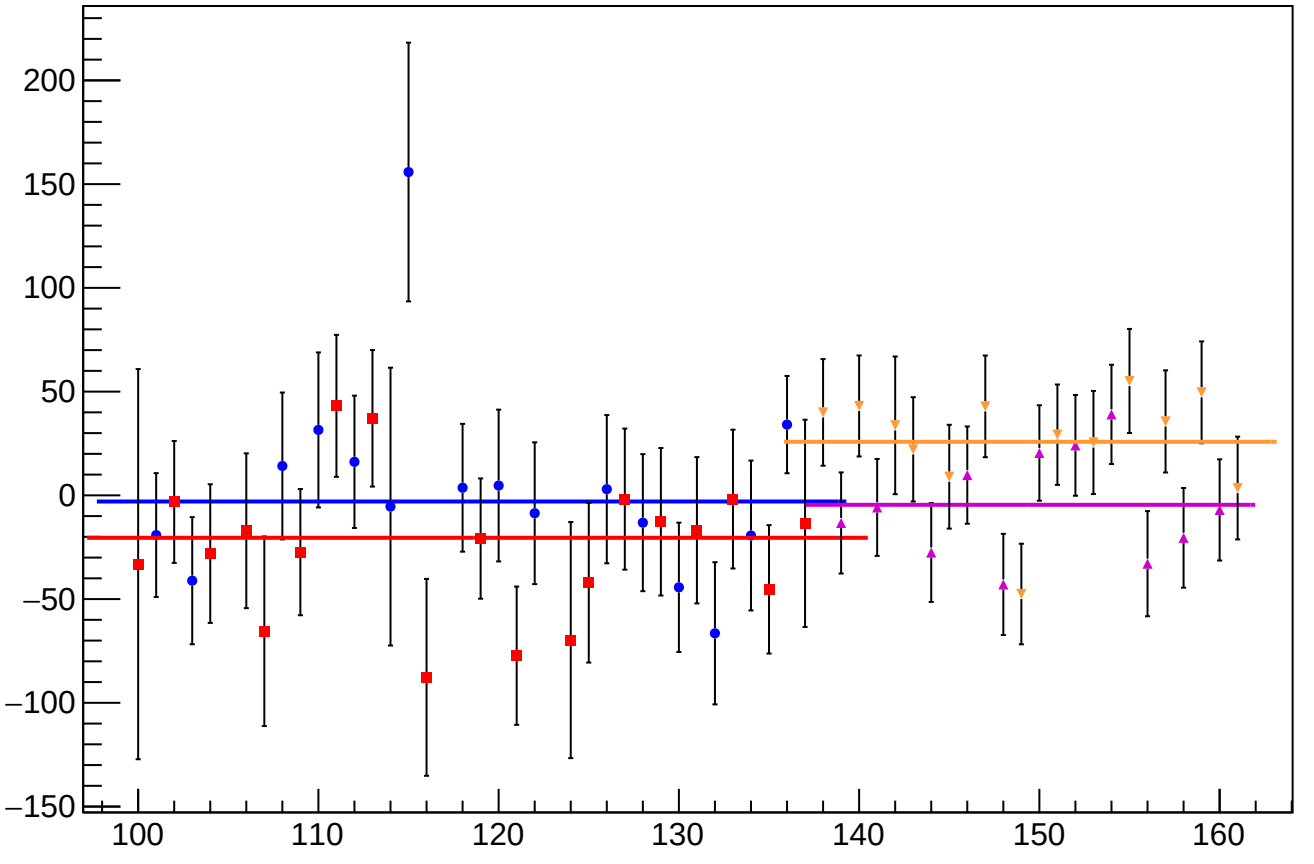
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 175.360+/-0.043 χ^2/NDF:1429504.4/10

+ sign 210.309+/-0.037 χ^2/NDF: 2111392.3/28

All: 190.013+/-0.024 χ^2/NDF: 5661525.8/58

- sign 174.717+/-0.032 χ^2/NDF: 3029613.7/29



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 25.810+/-6.981 χ^2/NDF:14.3/12

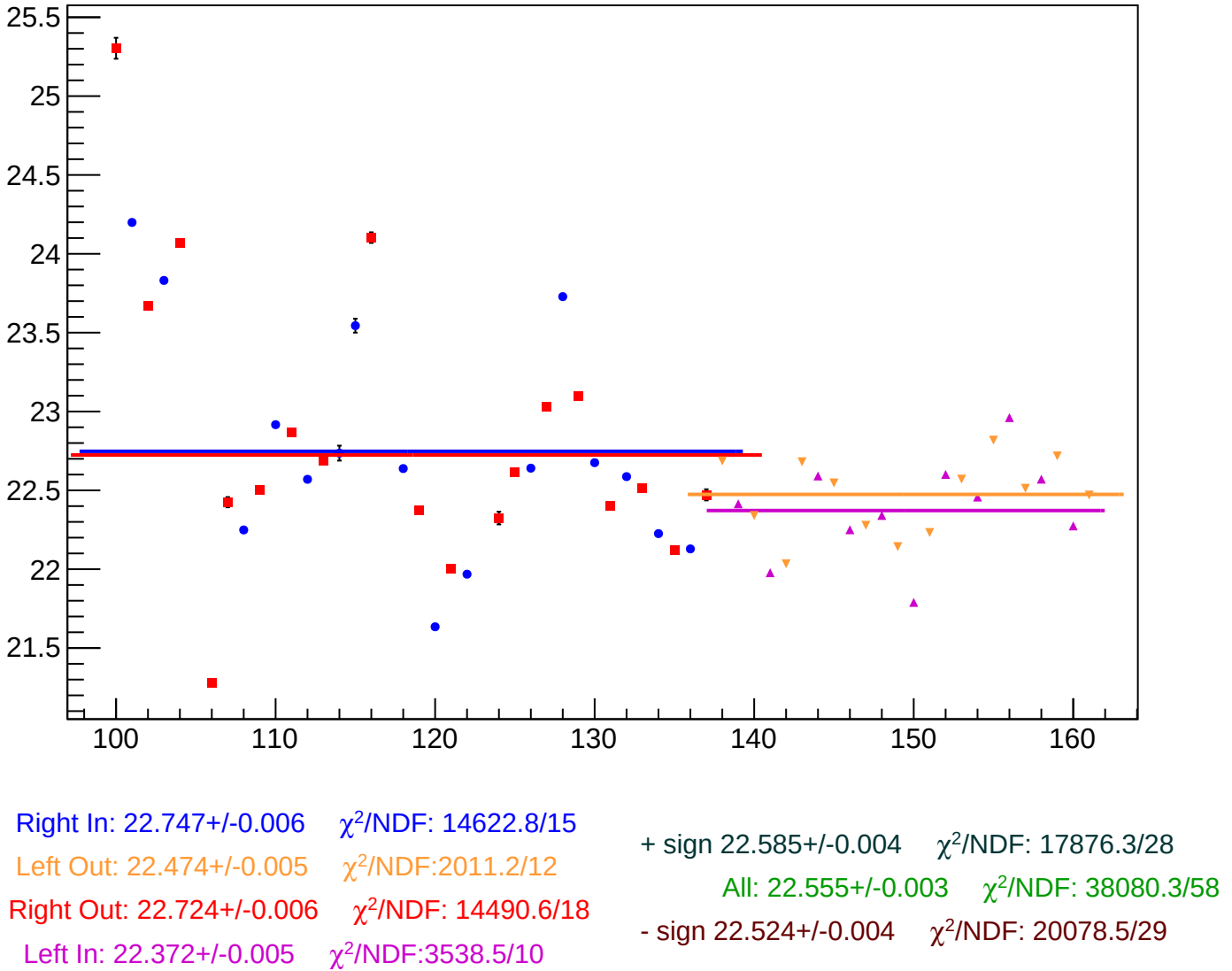
Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

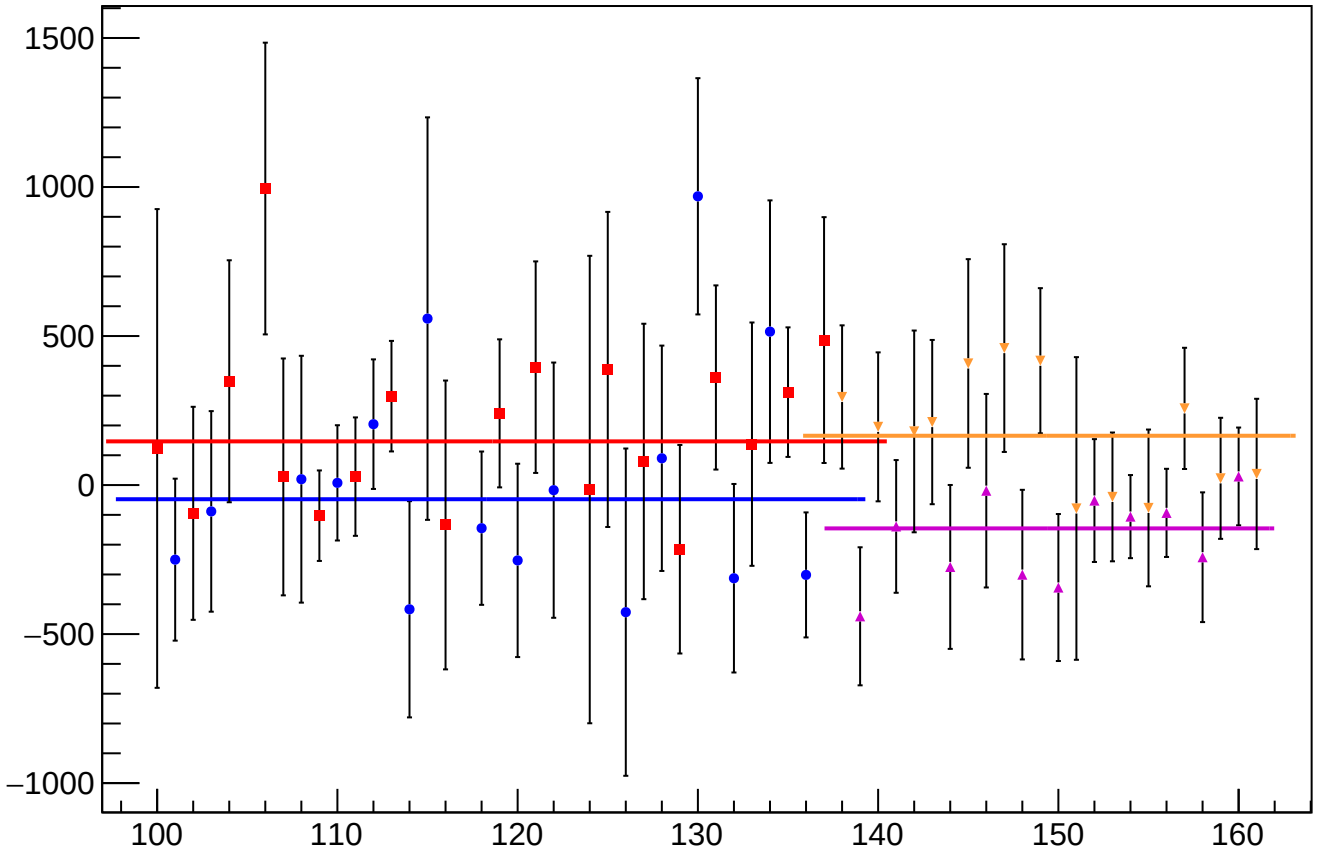
Left In: -4.563+/-7.239 χ^2/NDF:11.5/10

+ sign 14.142+/-5.383 χ^2/NDF: 39.1/28

All: 1.518+/-3.831 χ^2/NDF: 79.1/58

- sign -11.437+/-5.453 χ^2/NDF: 28.9/29


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug
25.5
25
24.5
24
23.5
23
22.5
22
21.5
100
110
120
130
140
150
160
Right In: 22.747+/-0.006 χ²/NDF: 14622.8/15
Left Out: 22.474+/-0.005 χ²/NDF:2011.2/12
Right Out: 22.724+/-0.006 χ²/NDF: 14490.6/18
Left In: 22.372+/-0.005 χ²/NDF:3538.5/10
+ sign 22.585+/-0.004 χ²/NDF: 17876.3/28
All: 22.555+/-0.003 χ²/NDF: 38080.3/58
- sign 22.524+/-0.004 χ²/NDF: 20078.5/29



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 165.460+/-72.096 χ^2/NDF:5.5/12

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

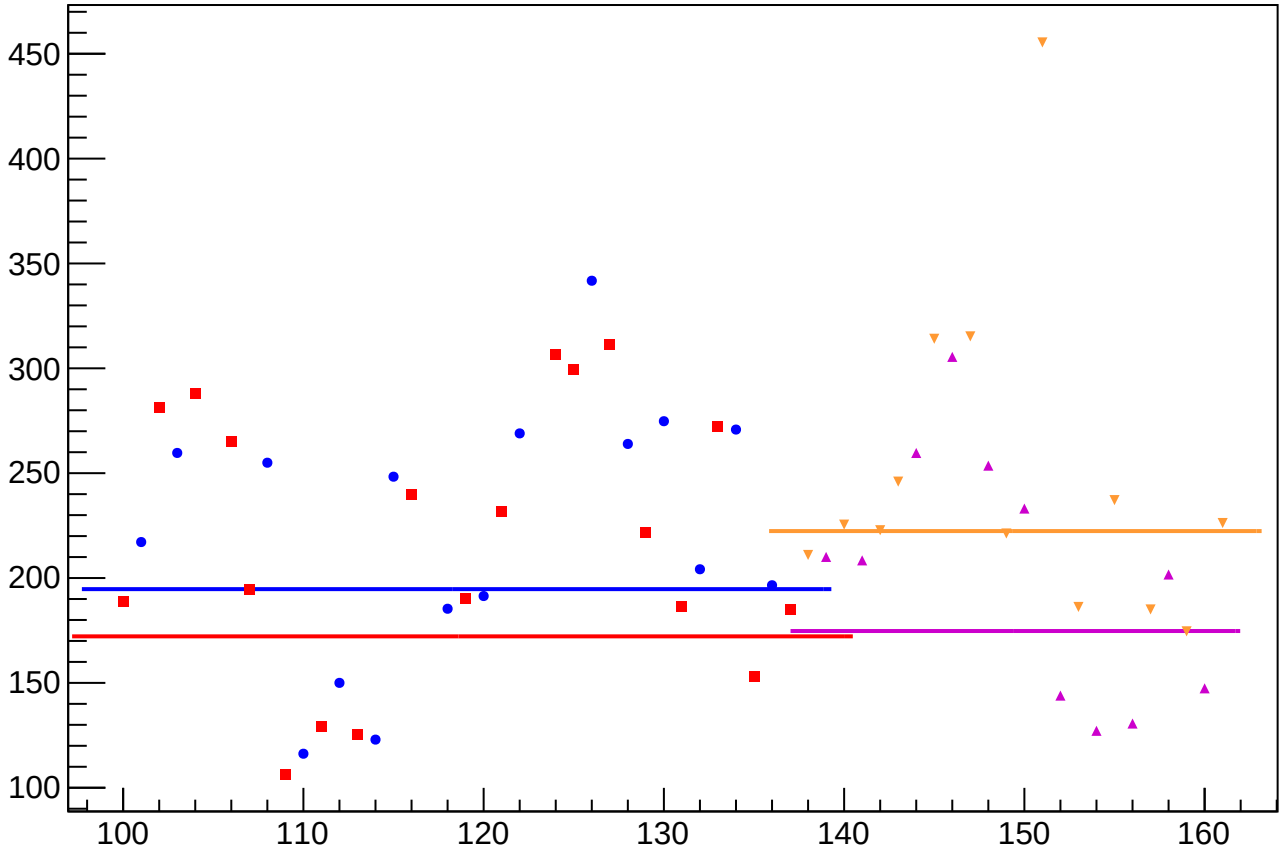
Left In: -145.416+/-60.937 χ^2/NDF:4.7/10

+ sign 65.375+/-52.490 χ^2/NDF: 25.0/28

All: 18.792+/-34.381 χ^2/NDF: 52.8/58

- sign -16.208+/-45.499 χ^2/NDF: 26.4/29

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: 222.390+/-0.051 χ^2/NDF:961204.0/12

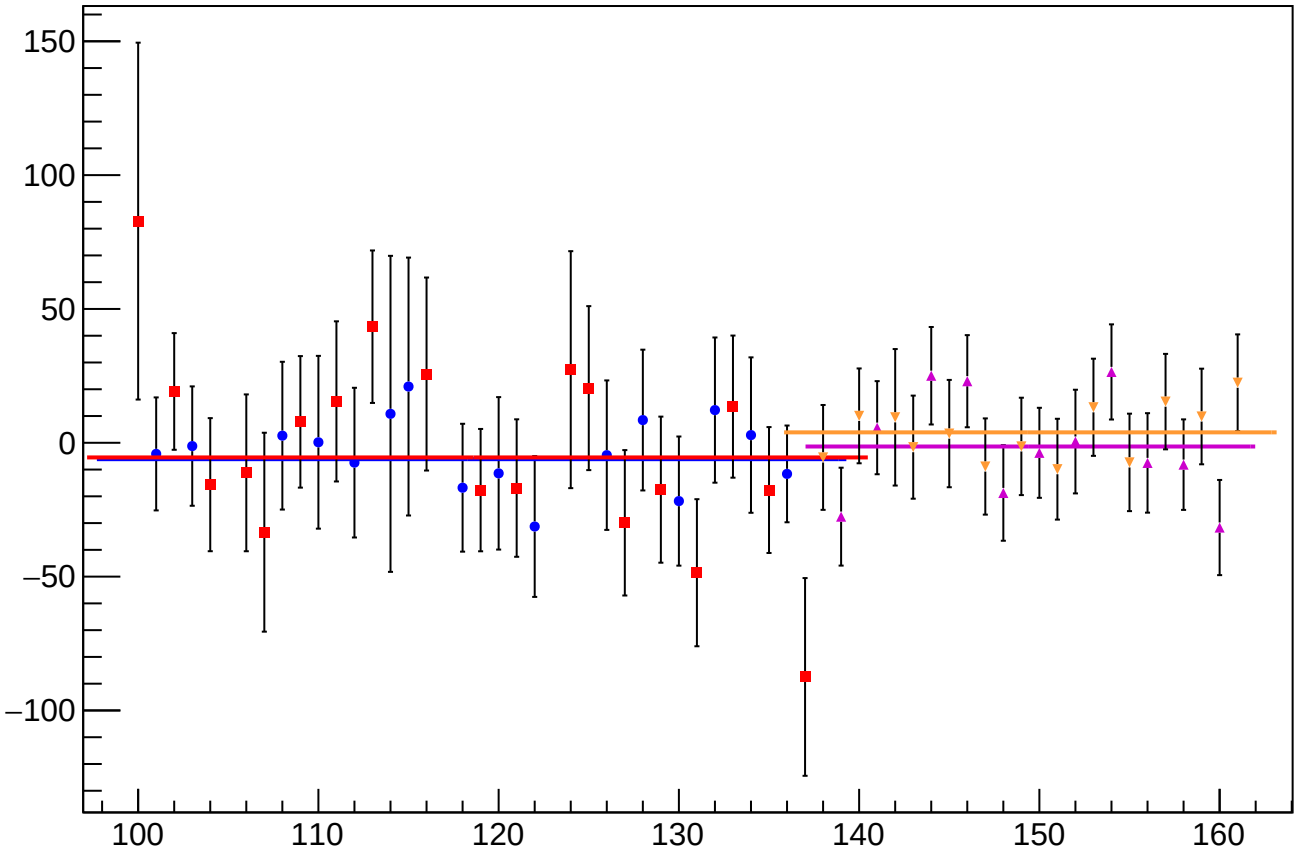
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 174.734+/-0.043 χ^2/NDF:1414745.1/10

+ sign 209.382+/-0.037 χ^2/NDF: 2152054.4/28

All: 188.955+/-0.024 χ^2/NDF: 5769890.4/58

- sign 173.606+/-0.032 χ^2/NDF: 3087360.3/29



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 3.895+/-5.209 χ^2/NDF:3.8/12

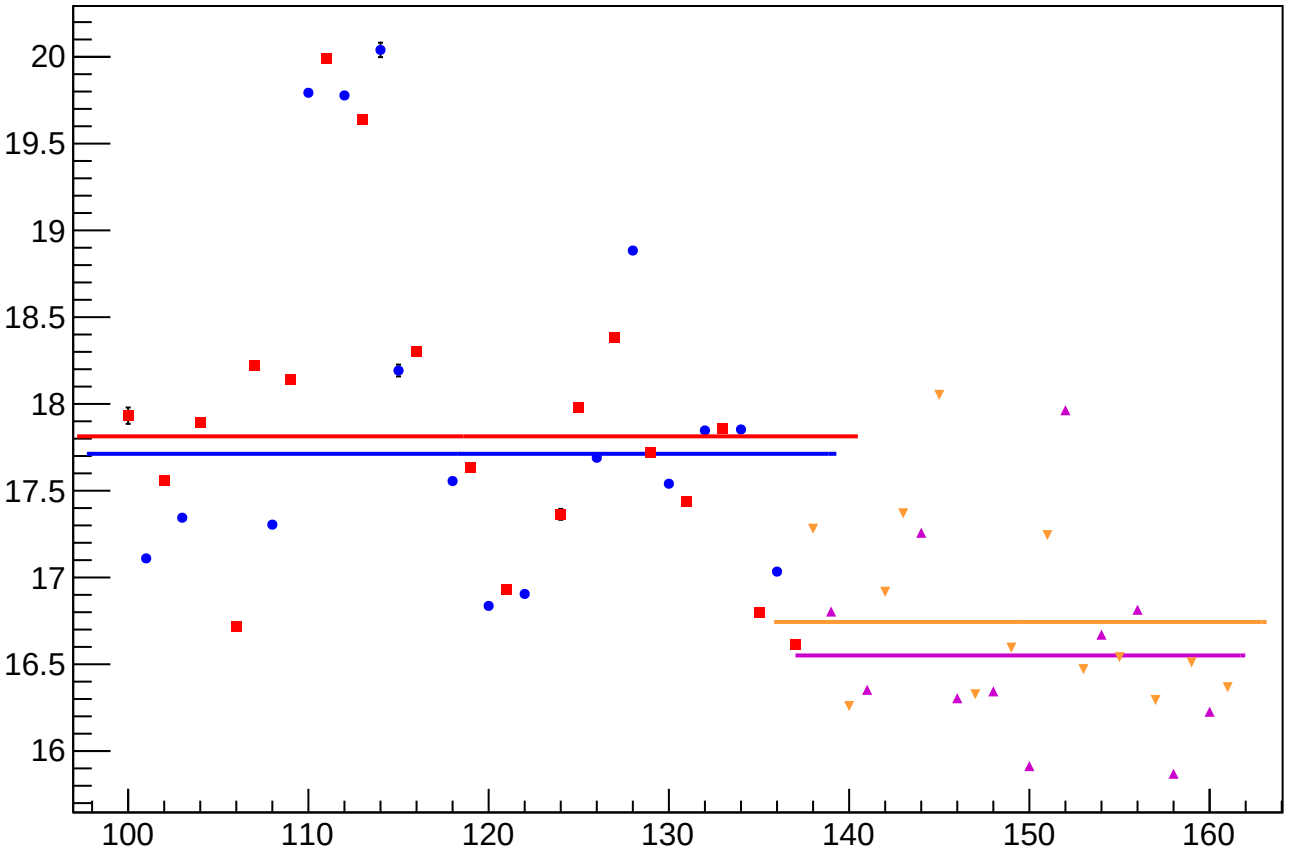
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -1.389+/-5.365 χ^2/NDF:12.9/10

+ sign 0.046+/-4.087 χ^2/NDF: 8.4/28

All: -1.477+/-2.908 χ^2/NDF: 41.0/58

- sign -3.039+/-4.140 χ^2/NDF: 32.4/29



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.744+/-0.004 χ^2/NDF:19519.9/12

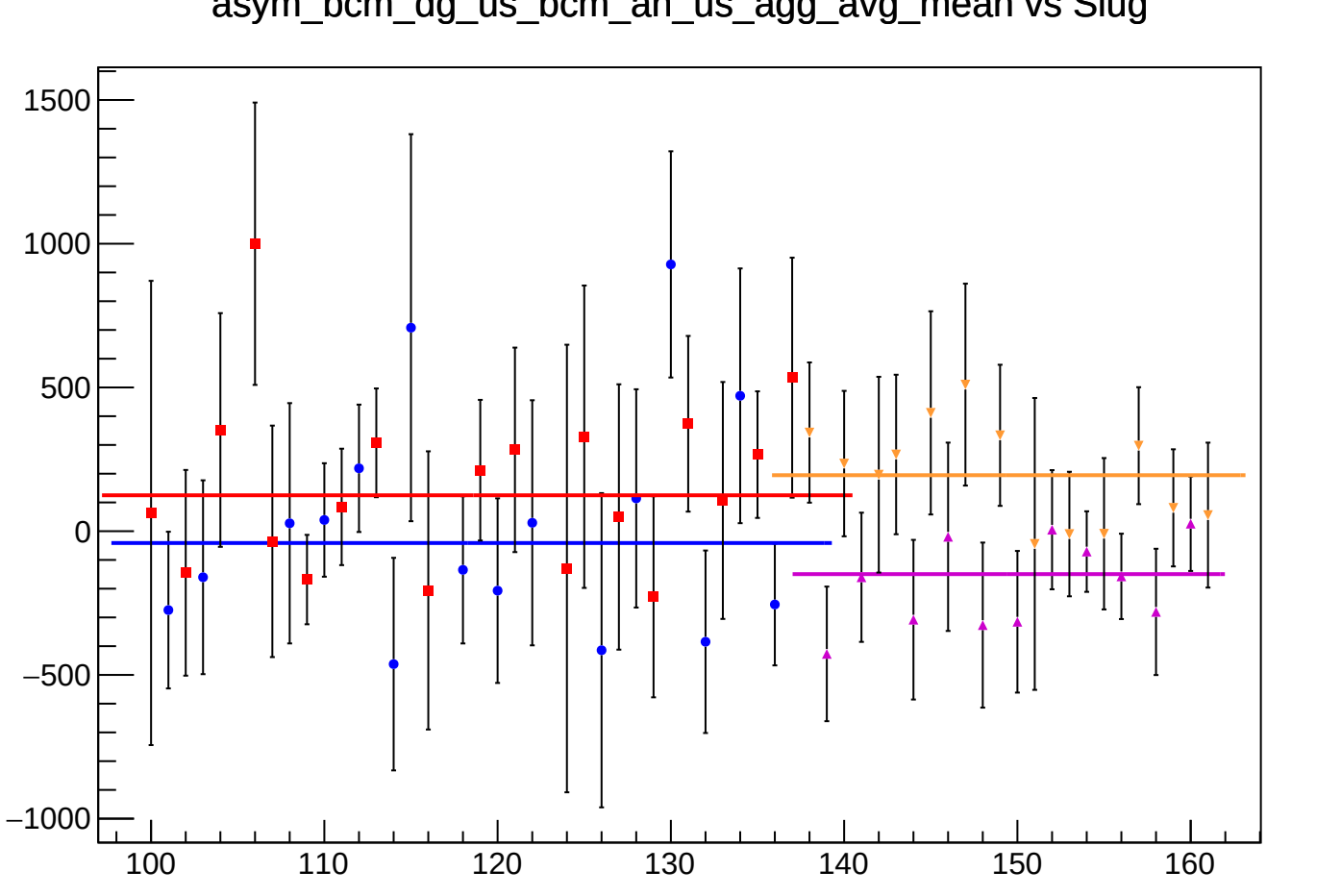
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.551+/-0.004 χ^2/NDF:22254.9/10

\+ sign 17.116+/-0.003 χ^2/NDF: 82094.9/28

All: 17.089+/-0.002 χ^2/NDF: 182047.1/58

\- sign 17.061+/-0.003 χ^2/NDF: 99774.9/29



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 194.744+/-72.474 χ^2/NDF:4.5/12

Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

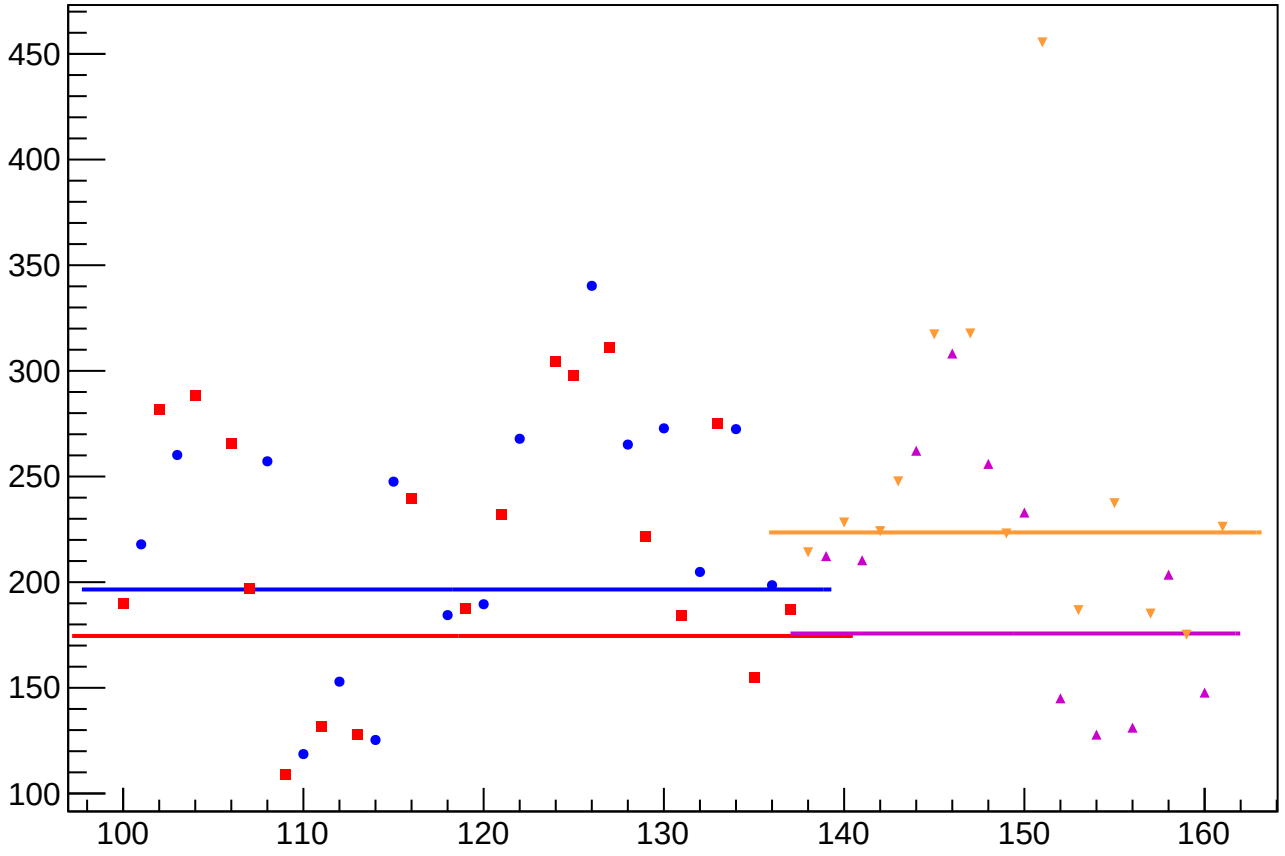
Left In: -149.392+/-61.286 χ^2/NDF:5.1/10

+ sign 84.162+/-52.819 χ^2/NDF: 25.1/28

All: 19.828+/-34.626 χ^2/NDF: 54.5/58

- sign -28.655+/-45.853 χ^2/NDF: 26.8/29

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 223.544+/-0.051 χ^2/NDF:968229.7/12

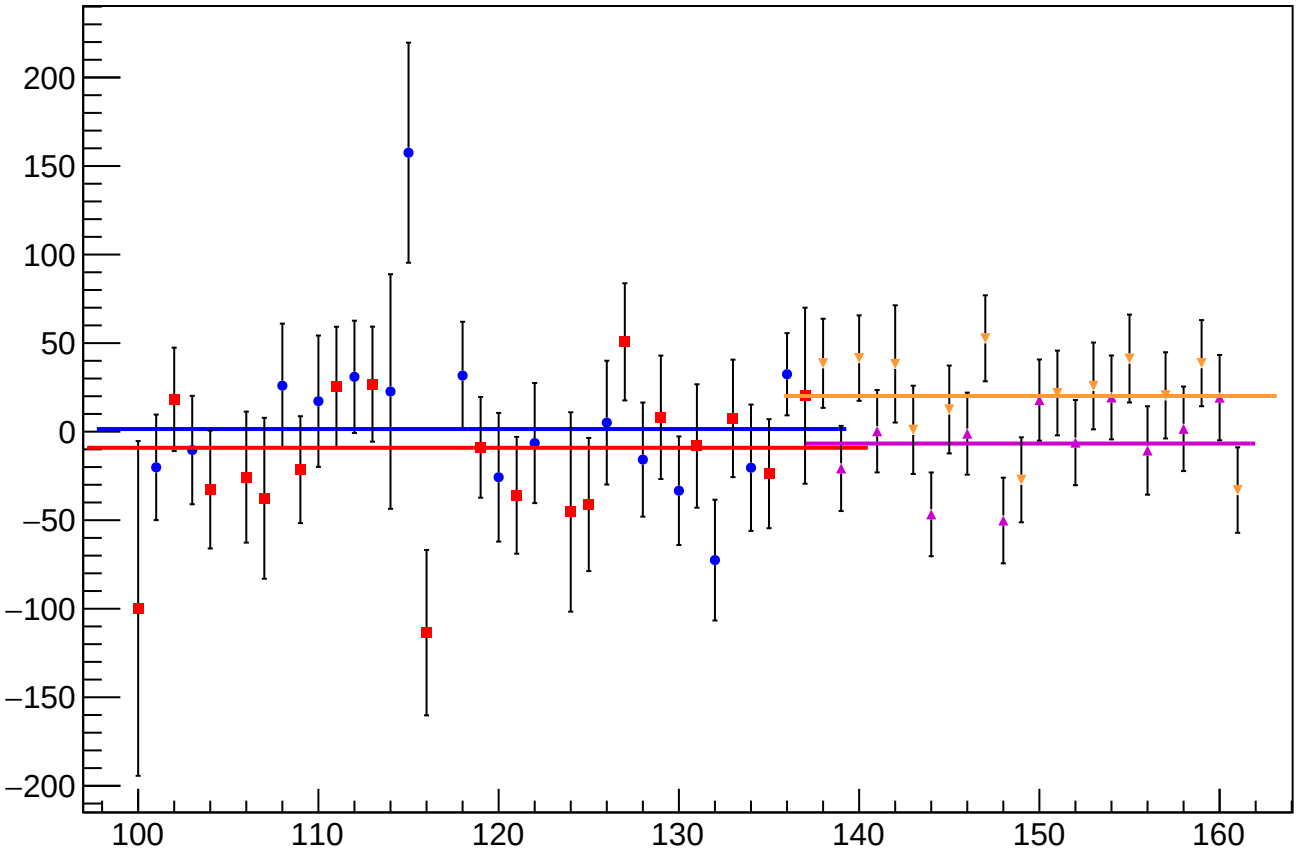
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 175.711+/-0.043 χ^2/NDF:1429232.4/10

+ sign 210.884+/-0.037 χ^2/NDF: 2099162.9/28

All: 190.533+/-0.024 χ^2/NDF: 5638126.5/58

- sign 175.195+/-0.032 χ^2/NDF: 3018279.1/29



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 20.133+/-6.899 χ^2/NDF:14.2/12

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

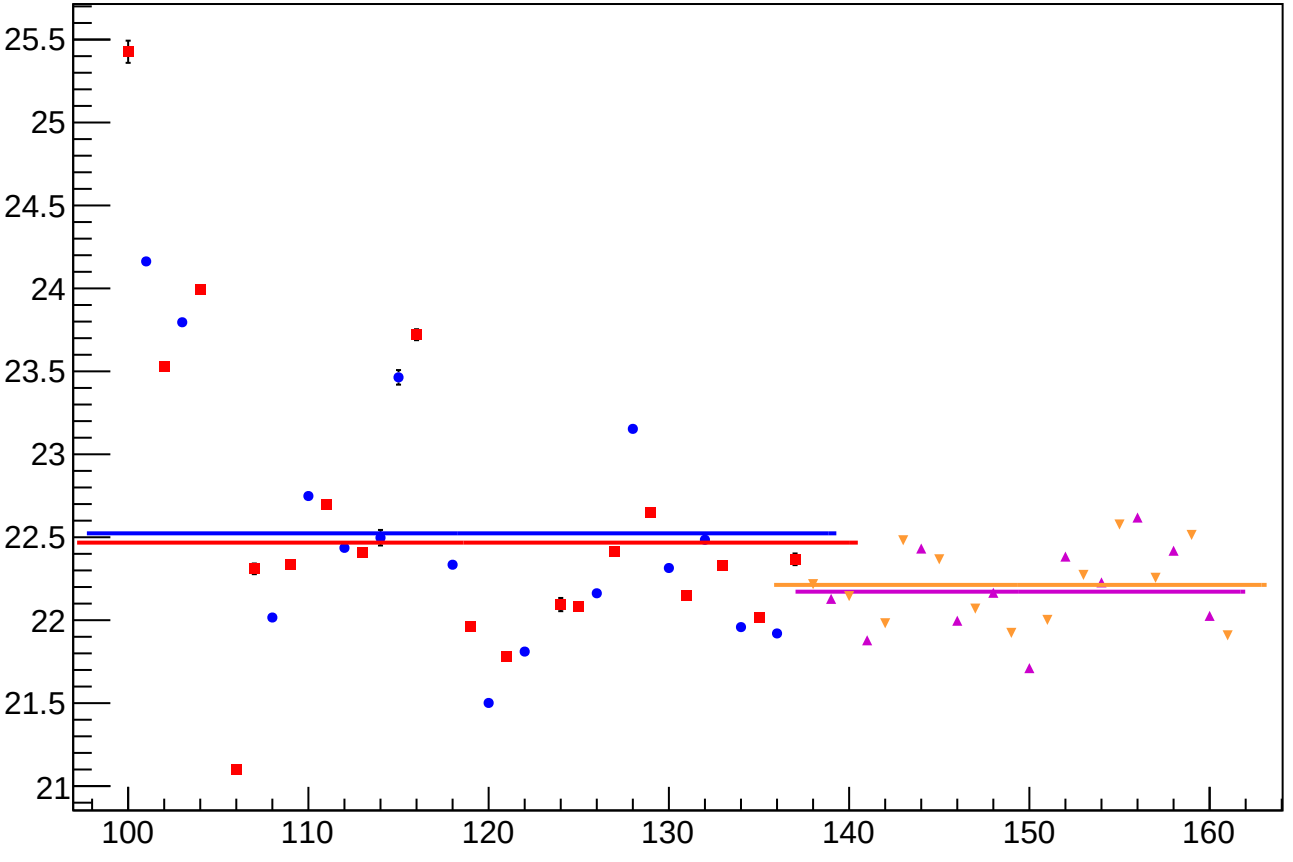
Left In: -6.707+/-7.173 χ^2/NDF:10.2/10

+ sign 12.585+/-5.324 χ^2/NDF: 35.8/28

All: 2.559+/-3.791 χ^2/NDF: 69.8/58

- sign -7.750+/-5.398 χ^2/NDF: 26.7/29

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: 22.213+/-0.005 χ^2/NDF:2012.4/12

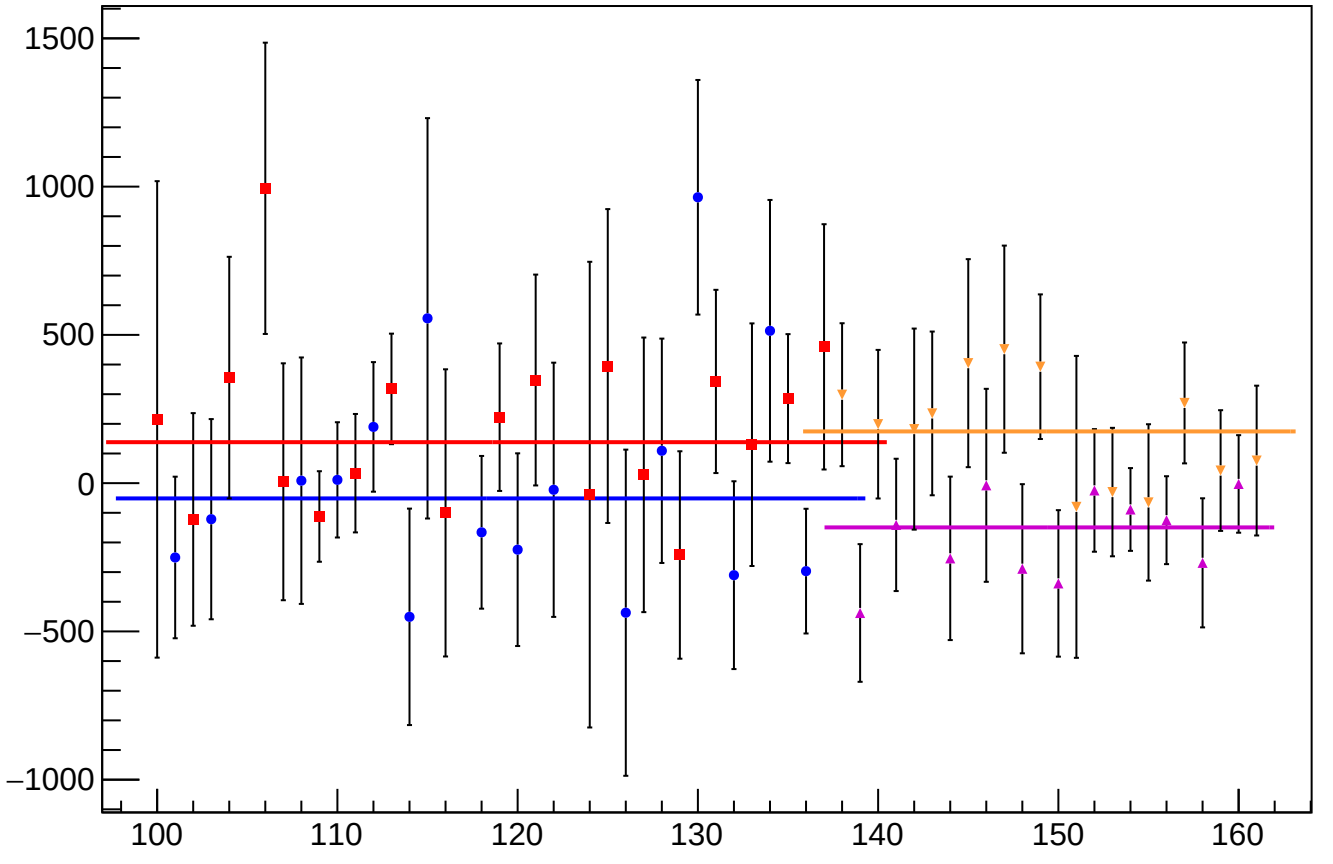
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.172+/-0.005 χ^2/NDF:2582.5/10

\+ sign 22.339+/-0.004 χ^2/NDF: 19601.9/28

All: 22.320+/-0.003 χ^2/NDF: 39335.8/58

\- sign 22.300+/-0.004 χ^2/NDF: 19682.7/29



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 174.448+/-72.258 χ^2/NDF:4.9/12

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

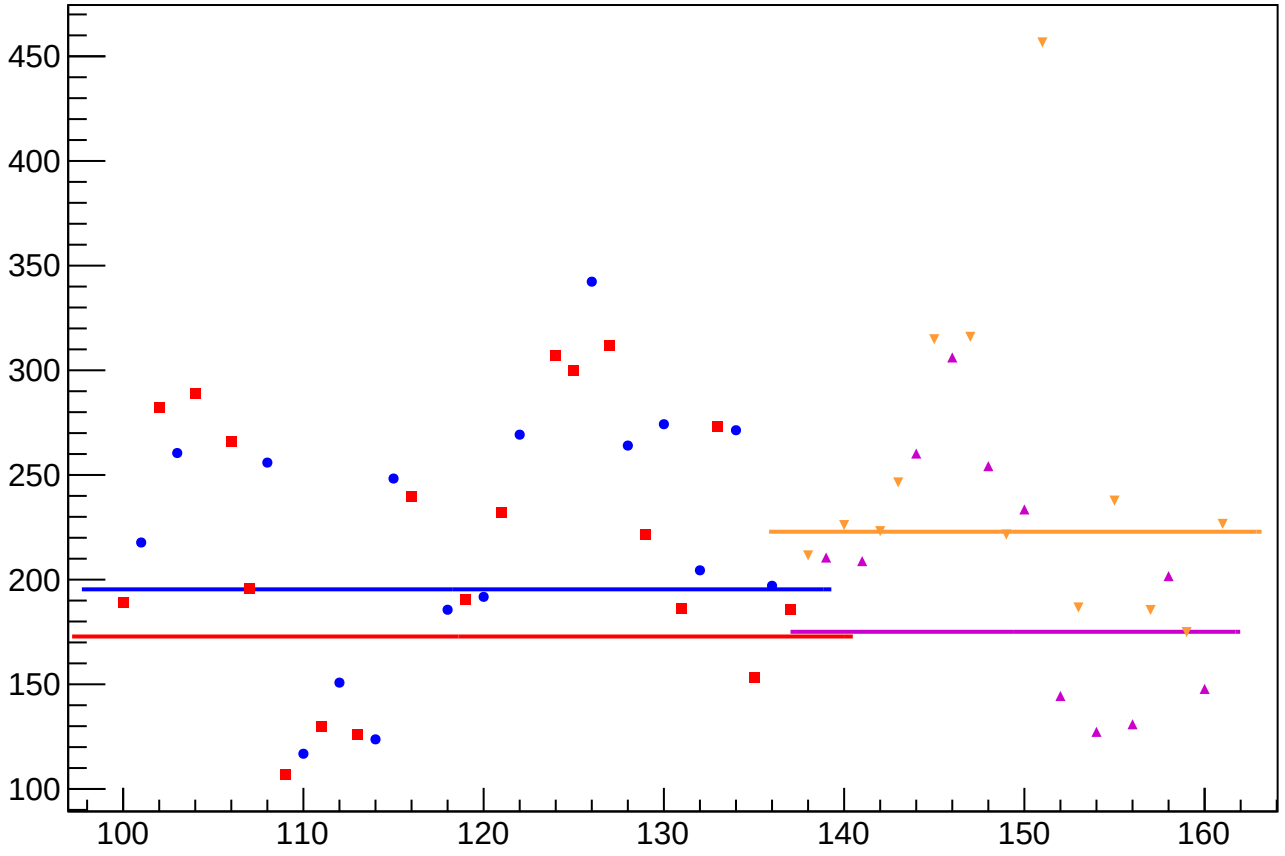
Left In: -149.251+/-61.060 χ^2/NDF:4.4/10

+ sign 68.354+/-52.626 χ^2/NDF: 24.9/28

All: 16.625+/-34.470 χ^2/NDF: 52.3/58

- sign -22.243+/-45.617 χ^2/NDF: 25.8/29

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: 222.888+/-0.051 χ^2/NDF:961309.0/12

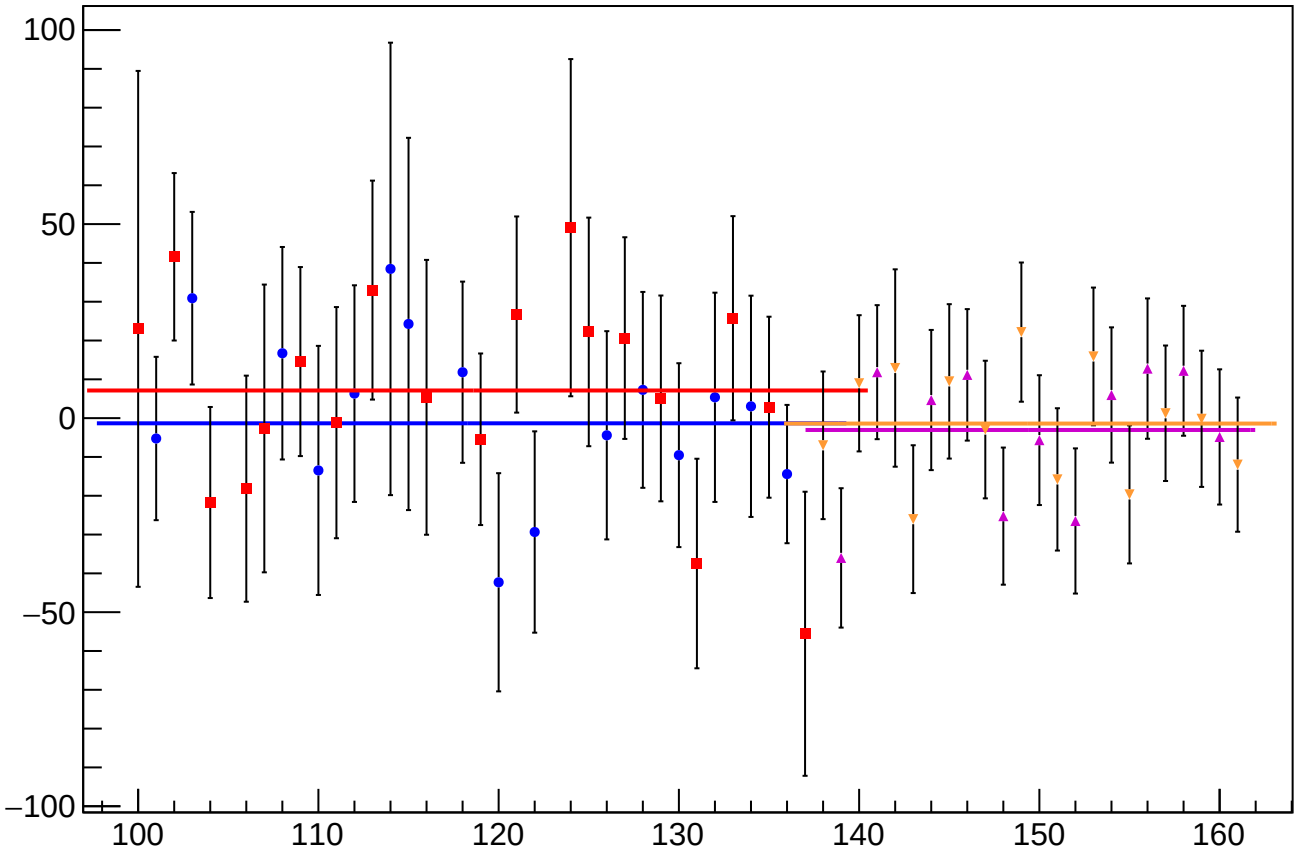
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 175.084+/-0.043 χ^2/NDF:1414613.9/10

+ sign 209.962+/-0.037 χ^2/NDF: 2139038.7/28

All: 189.480+/-0.024 χ^2/NDF: 5744858.0/58

- sign 174.091+/-0.032 χ^2/NDF: 3075240.5/29



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -1.398+/-5.109 χ^2/NDF:7.5/12

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

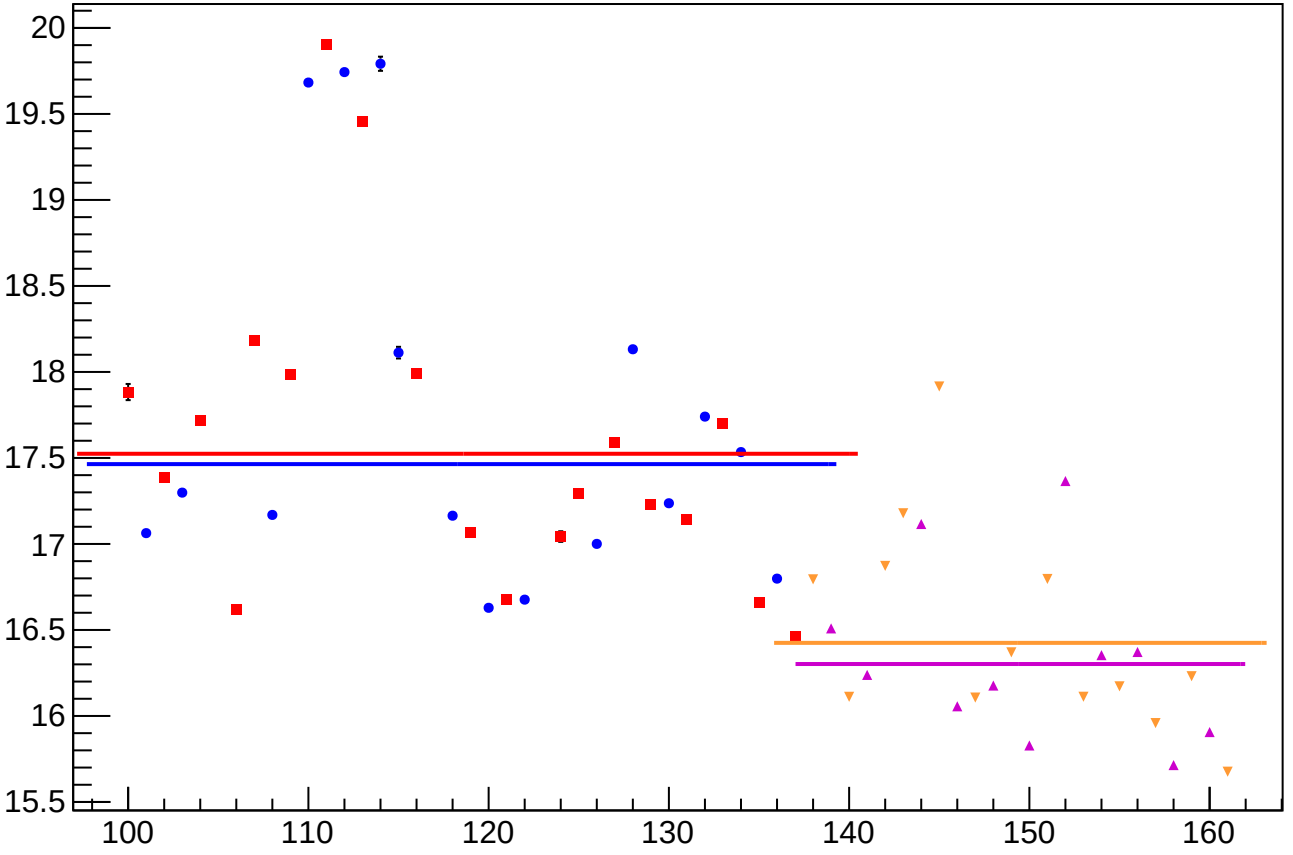
Left In: -3.052+/-5.281 χ^2/NDF:10.0/10

+ sign -1.373+/-4.016 χ^2/NDF: 15.5/28

All: -0.169+/-2.860 χ^2/NDF: 41.6/58

- sign 1.070+/-4.074 χ^2/NDF: 26.0/29

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: 16.425+/-0.004 χ^2/NDF:24303.7/12

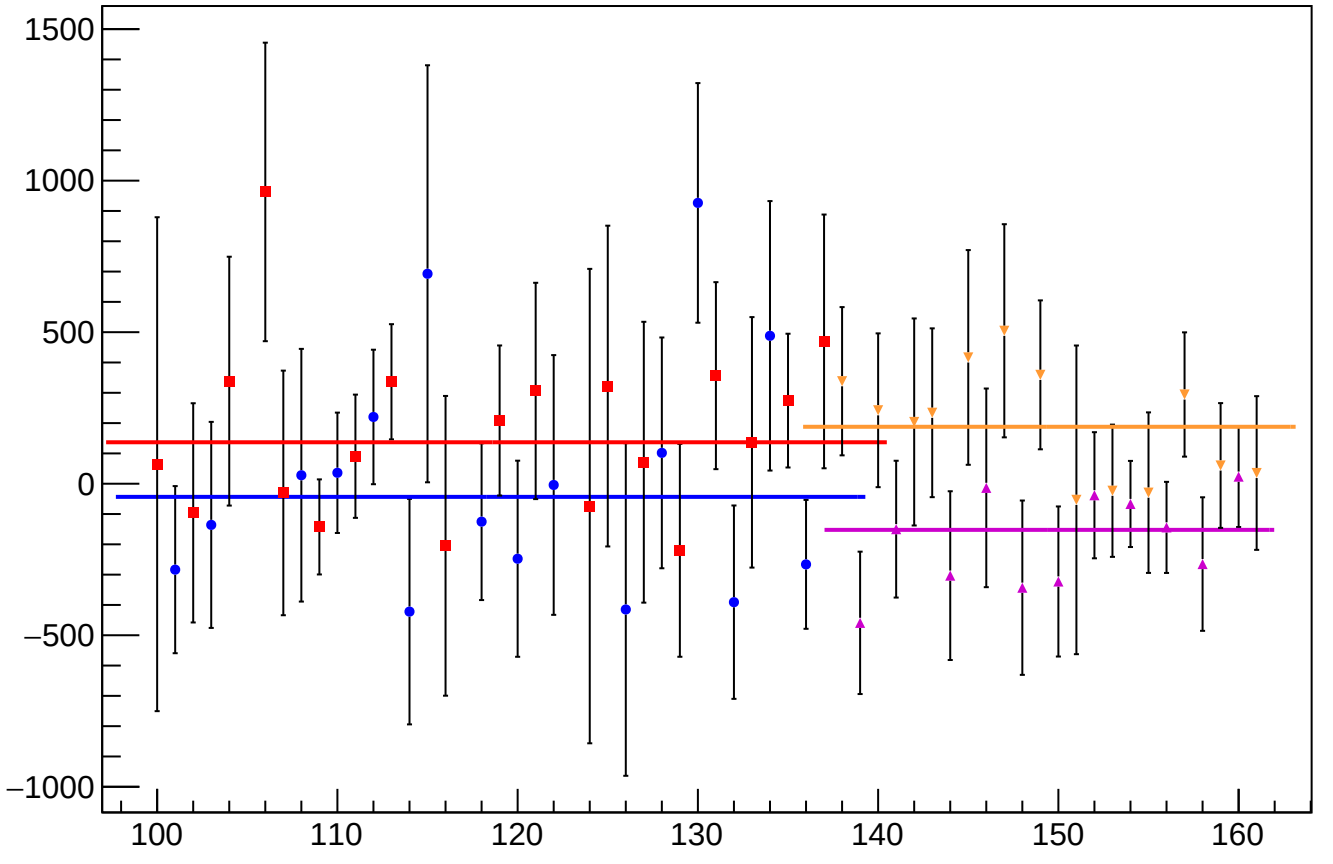
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.302+/-0.004 χ^2/NDF:16494.5/10

+ sign 16.822+/-0.003 χ^2/NDF: 92561.5/28

All: 16.810+/-0.002 χ^2/NDF: 187205.8/58

- sign 16.797+/-0.003 χ^2/NDF: 94606.3/29



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 187.876+/-72.856 χ^2/NDF:5.0/12

Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

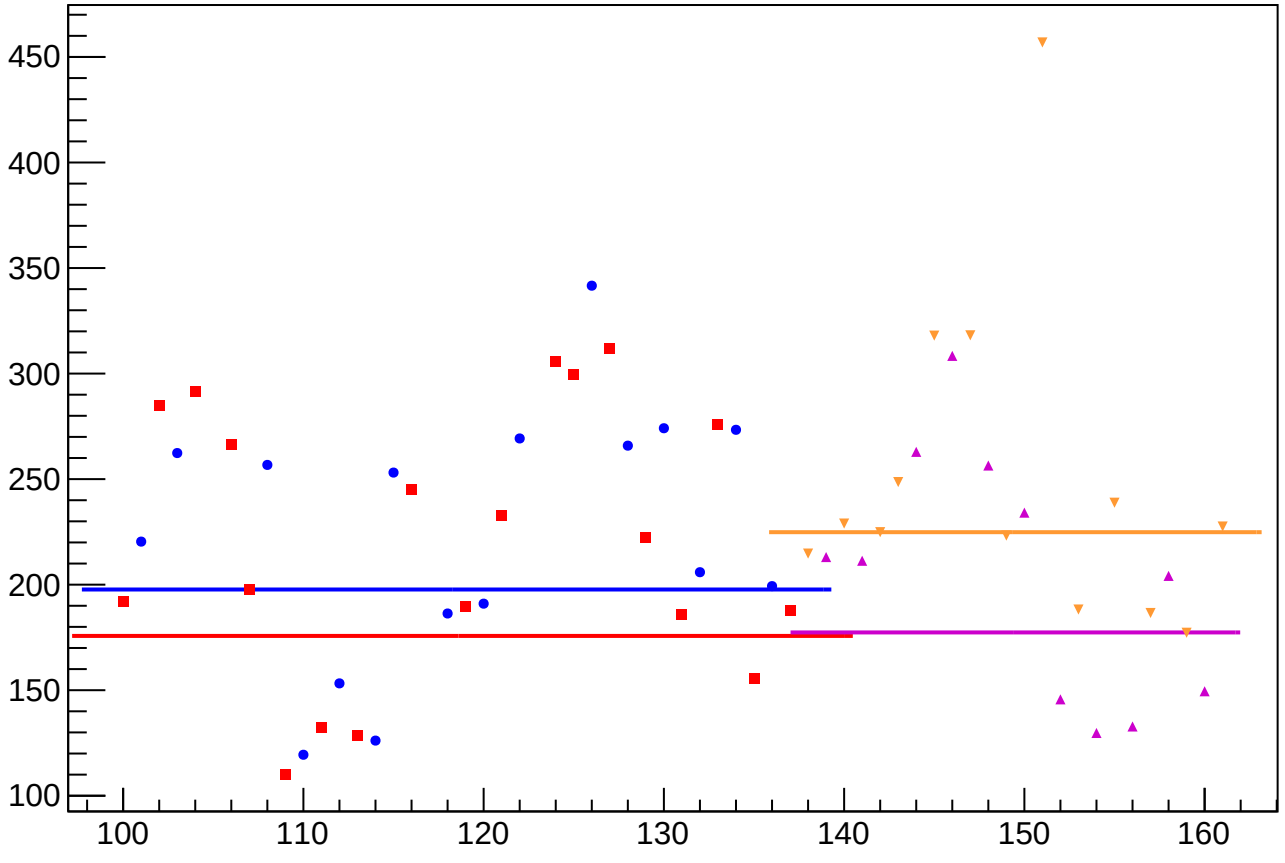
Left In: -152.262+/-61.779 χ^2/NDF:5.1/10

+ sign 79.507+/-53.110 χ^2/NDF: 25.2/28

All: 20.120+/-34.853 χ^2/NDF: 53.7/58

- sign -24.800+/-46.190 χ^2/NDF: 26.3/29

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: 224.863+/-0.052 χ^2/NDF:951671.6/12

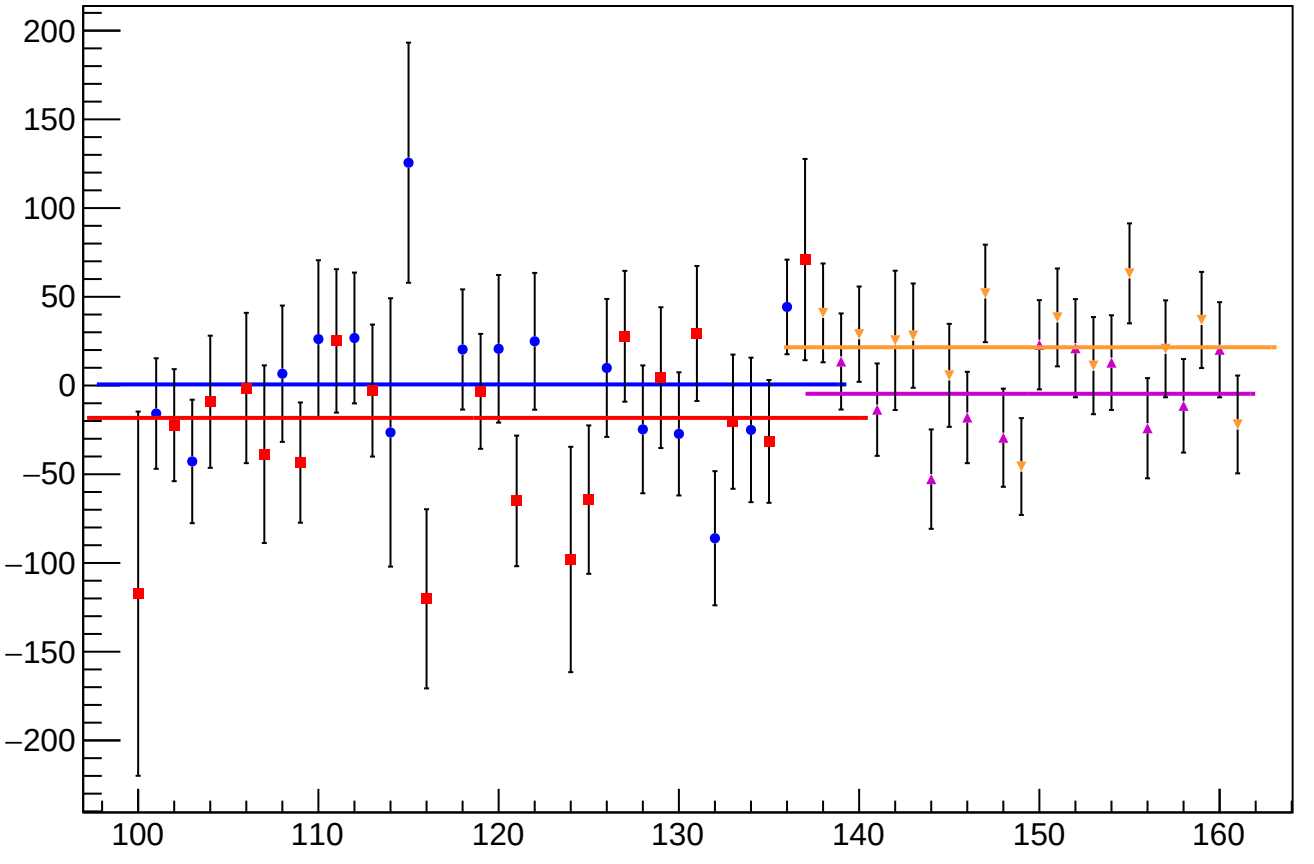
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 177.368+/-0.044 χ^2/NDF:1388820.8/10

+ sign 212.138+/-0.038 χ^2/NDF: 2082197.7/28

All: 191.927+/-0.025 χ^2/NDF: 5570918.0/58

- sign 176.639+/-0.033 χ^2/NDF: 2980011.6/29



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 21.550+/-7.842 χ^2/NDF:13.7/12

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

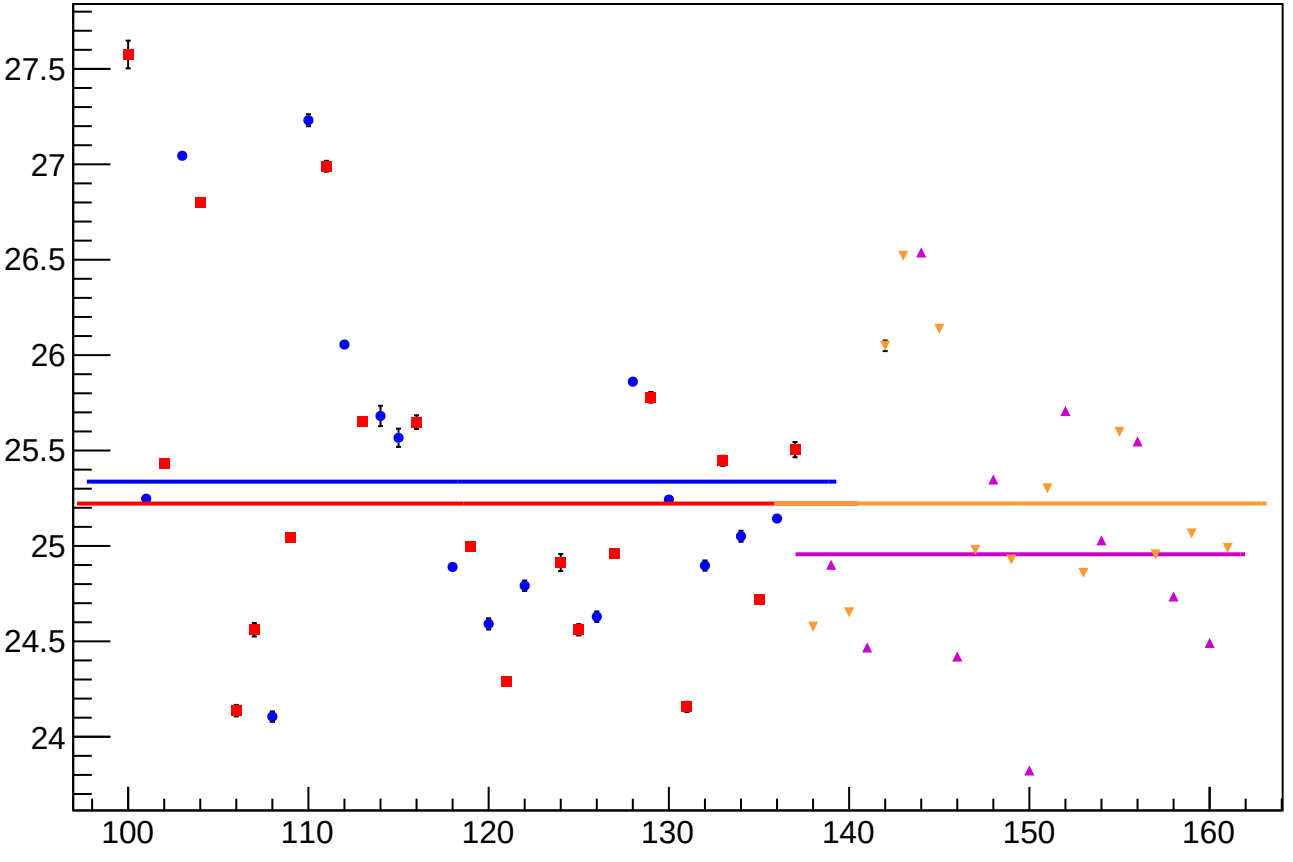
Left In: -4.651+/-8.084 χ^2/NDF:8.5/10

+ sign 12.984+/-6.027 χ^2/NDF: 33.4/28

All: 1.301+/-4.279 χ^2/NDF: 68.6/58

- sign -10.569+/-6.075 χ^2/NDF: 27.7/29

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: 25.222+/-0.006 χ^2/NDF:10265.7/12

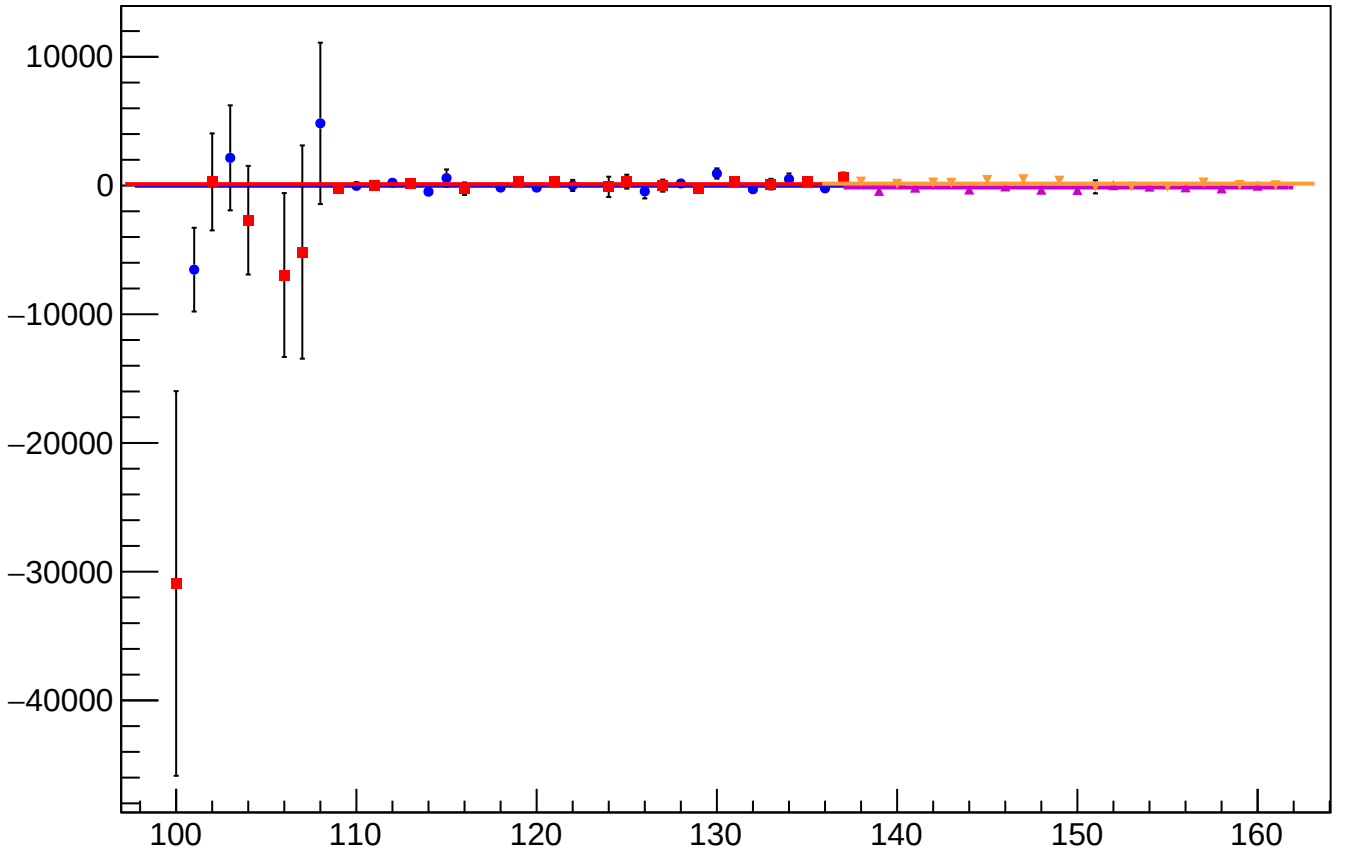
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.956+/-0.006 χ^2/NDF:15515.7/10

+ sign 25.269+/-0.004 χ^2/NDF: 24755.7/28

All: 25.171+/-0.003 χ^2/NDF: 57500.1/58

- sign 25.072+/-0.004 χ^2/NDF: 31681.6/29



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 152.099+/-74.380 χ^2/NDF:5.6/12

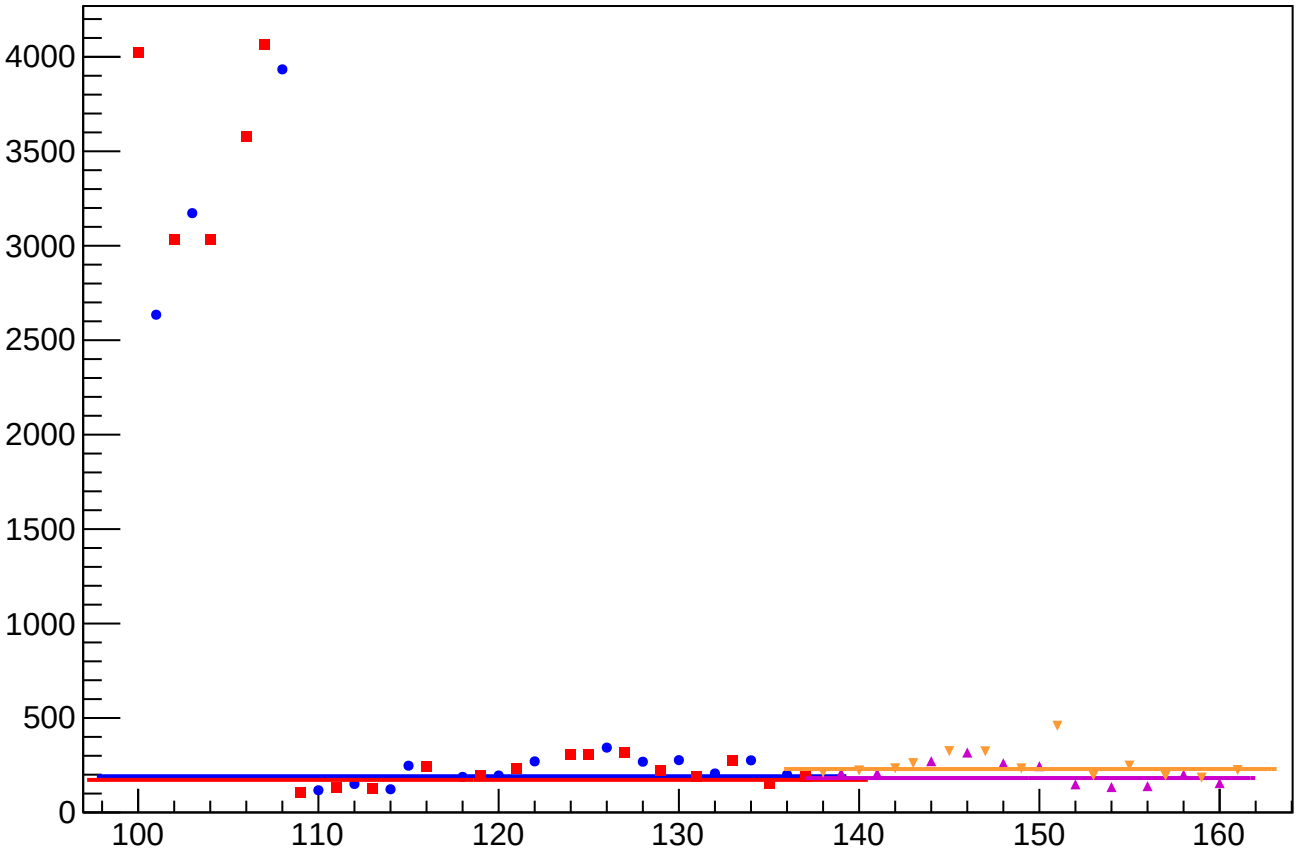
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -150.549+/-63.248 χ^2/NDF:4.3/10

+ sign 79.150+/-55.889 χ^2/NDF: 26.1/28

All: 7.557+/-36.909 χ^2/NDF: 54.0/58

- sign -47.815+/-49.152 χ^2/NDF: 25.0/29



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 229.933+/-0.053 χ^2/NDF:918923.9/12

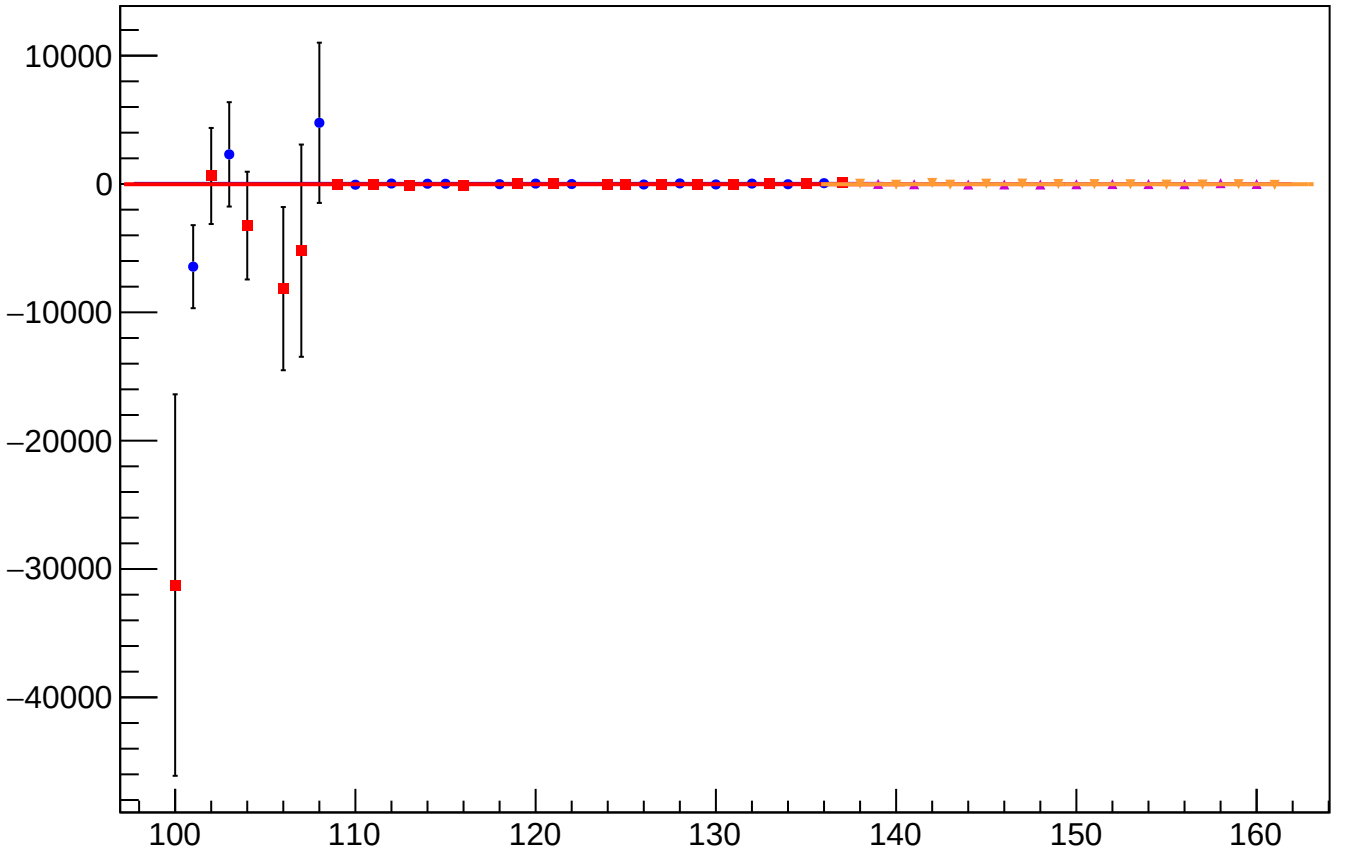
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 182.179+/-0.045 χ^2/NDF:1295586.0/10

+ sign 213.302+/-0.040 χ^2/NDF: 4970382.0/28

All: 193.582+/-0.026 χ^2/NDF: 11029363.8/58

- sign 178.330+/-0.035 χ^2/NDF: 5617411.9/29



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -17.418+/-9.163 χ^2/NDF:17.2/12

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

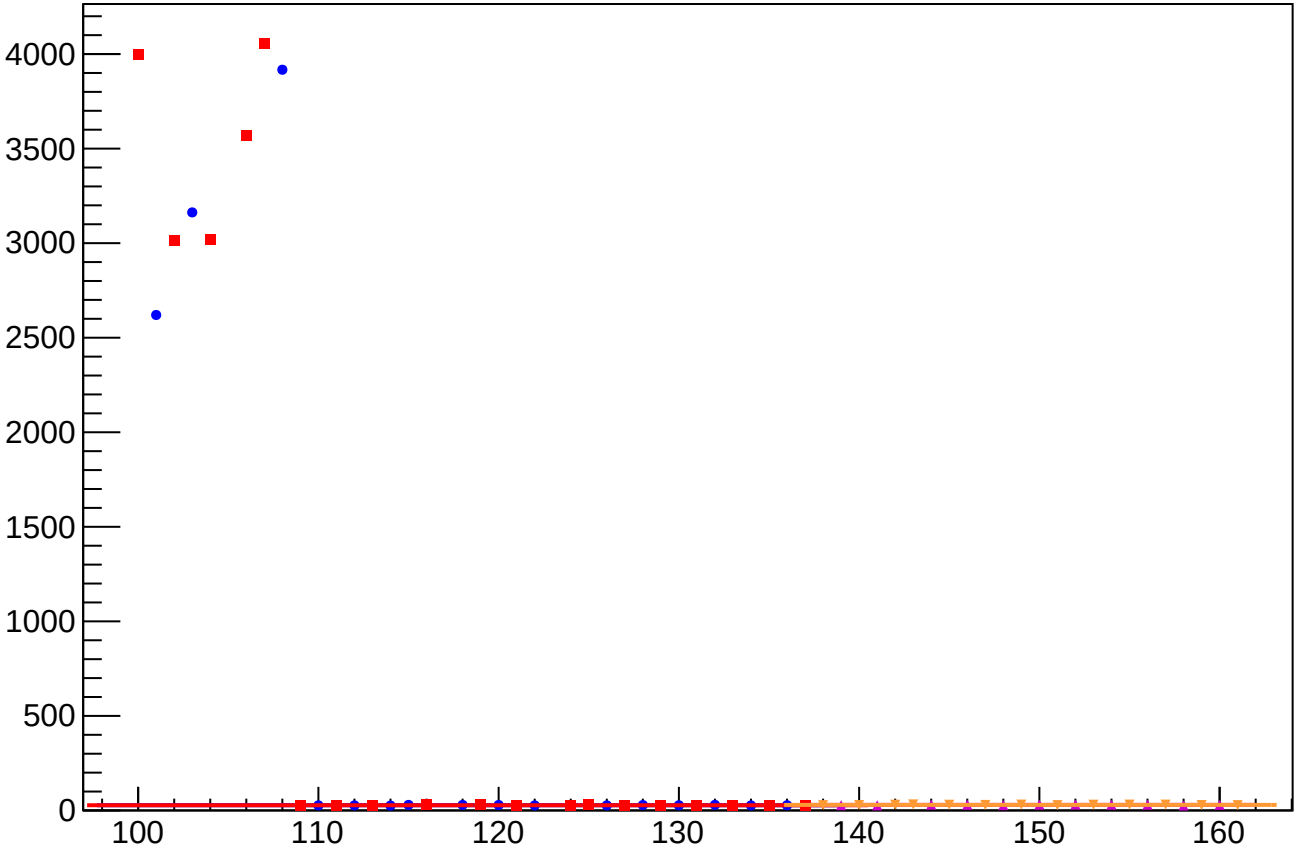
Left In: -6.029+/-9.569 χ^2/NDF:9.8/10

+ sign -7.139+/-7.210 χ^2/NDF: 36.5/28

All: -8.922+/-5.176 χ^2/NDF: 71.9/58

- sign -10.817+/-7.433 χ^2/NDF: 35.2/29

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: 29.412+/-0.006 χ^2/NDF:40800.3/12

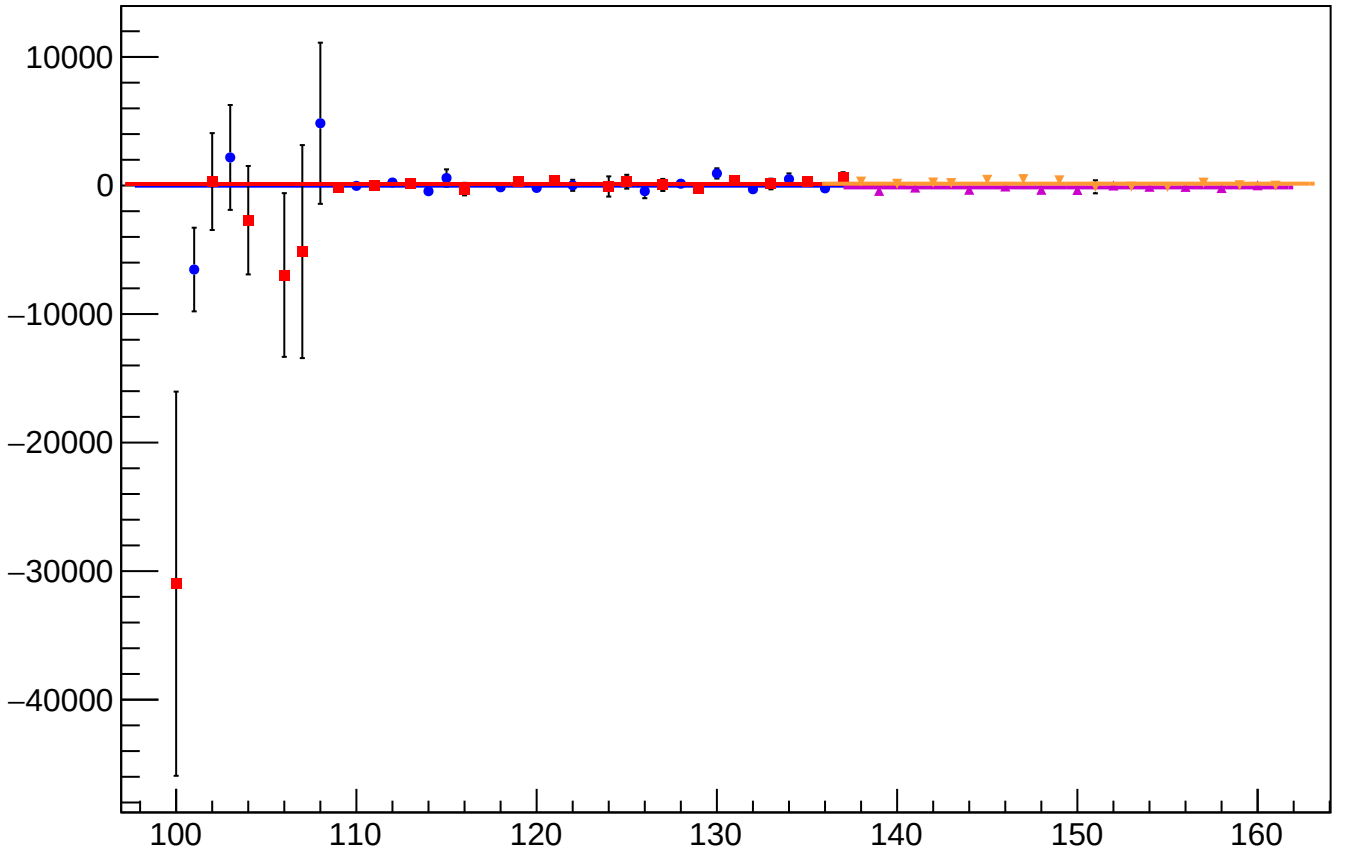
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.460+/-0.007 χ^2/NDF:66383.0/10

+ sign 28.738+/-0.005 χ^2/NDF: 3334717.4/28

All: 28.718+/-0.004 χ^2/NDF: 6988462.8/58

- sign 28.696+/-0.005 χ^2/NDF: 3653713.7/29



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 142.754+/-74.218 χ^2/NDF:6.2/12

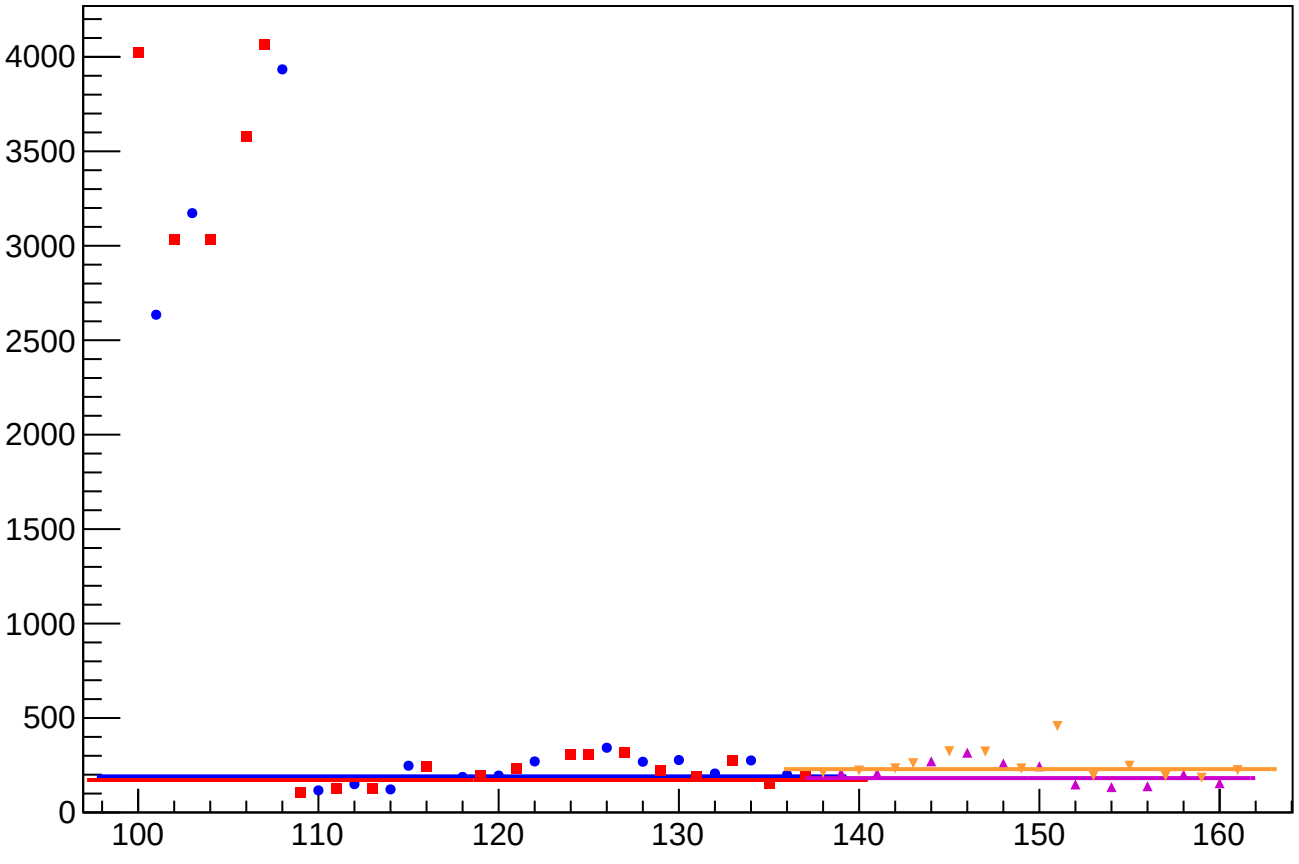
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -146.976+/-63.126 χ^2/NDF:4.5/10

+ sign 74.814+/-55.750 χ^2/NDF: 26.5/28

All: 9.032+/-36.819 χ^2/NDF: 54.9/58

- sign -41.859+/-49.035 χ^2/NDF: 25.9/29



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 229.436+/-0.052 χ^2/NDF:918843.8/12

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

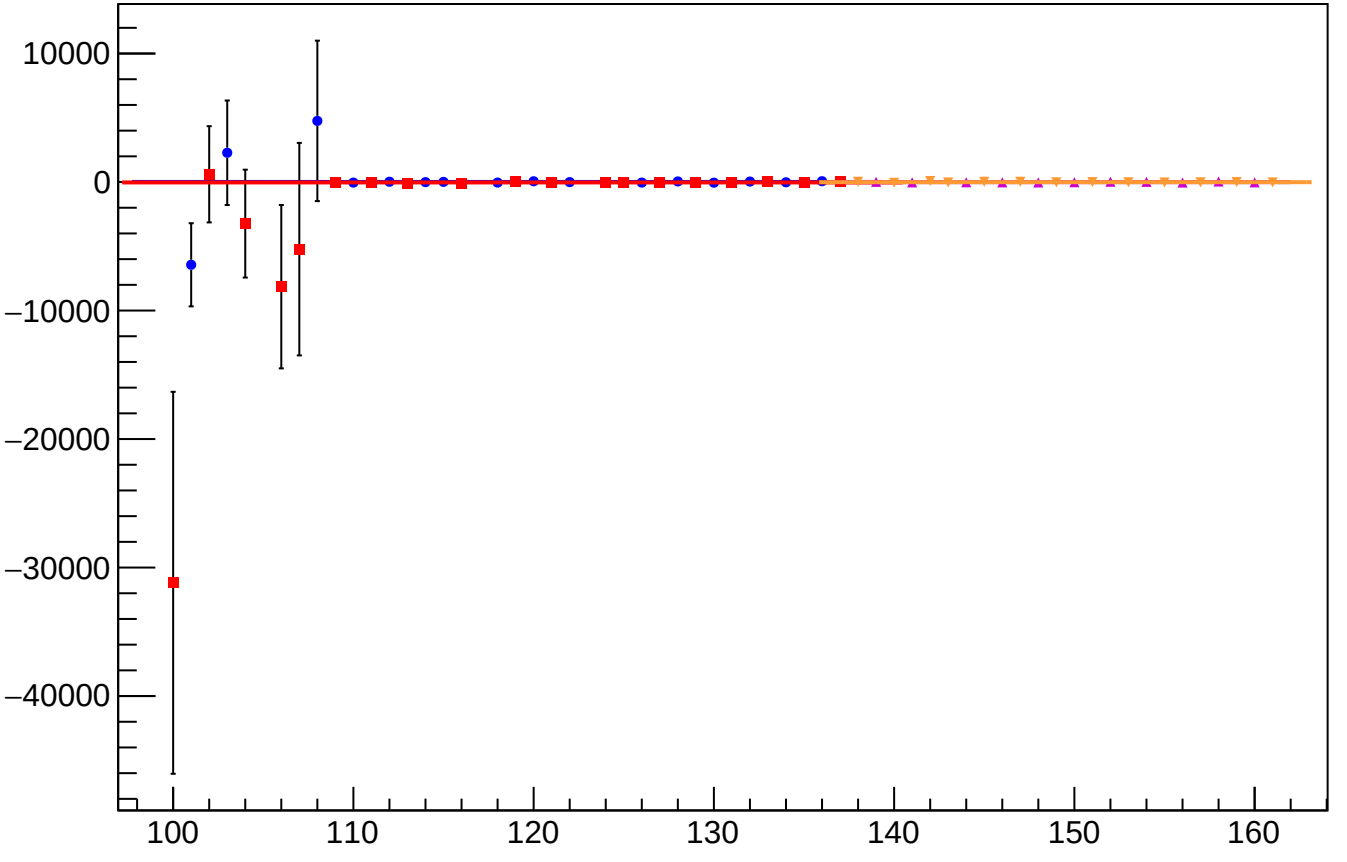
Left In: 181.830+/-0.045 χ^2/NDF:1295531.2/10

+ sign 212.718+/-0.039 χ^2/NDF: 4985686.2/28

All: 193.068+/-0.026 χ^2/NDF: 11056515.8/58

- sign 177.866+/-0.035 χ^2/NDF: 5630137.5/29

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: -11.052+/-9.238 χ^2/NDF:10.7/12

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

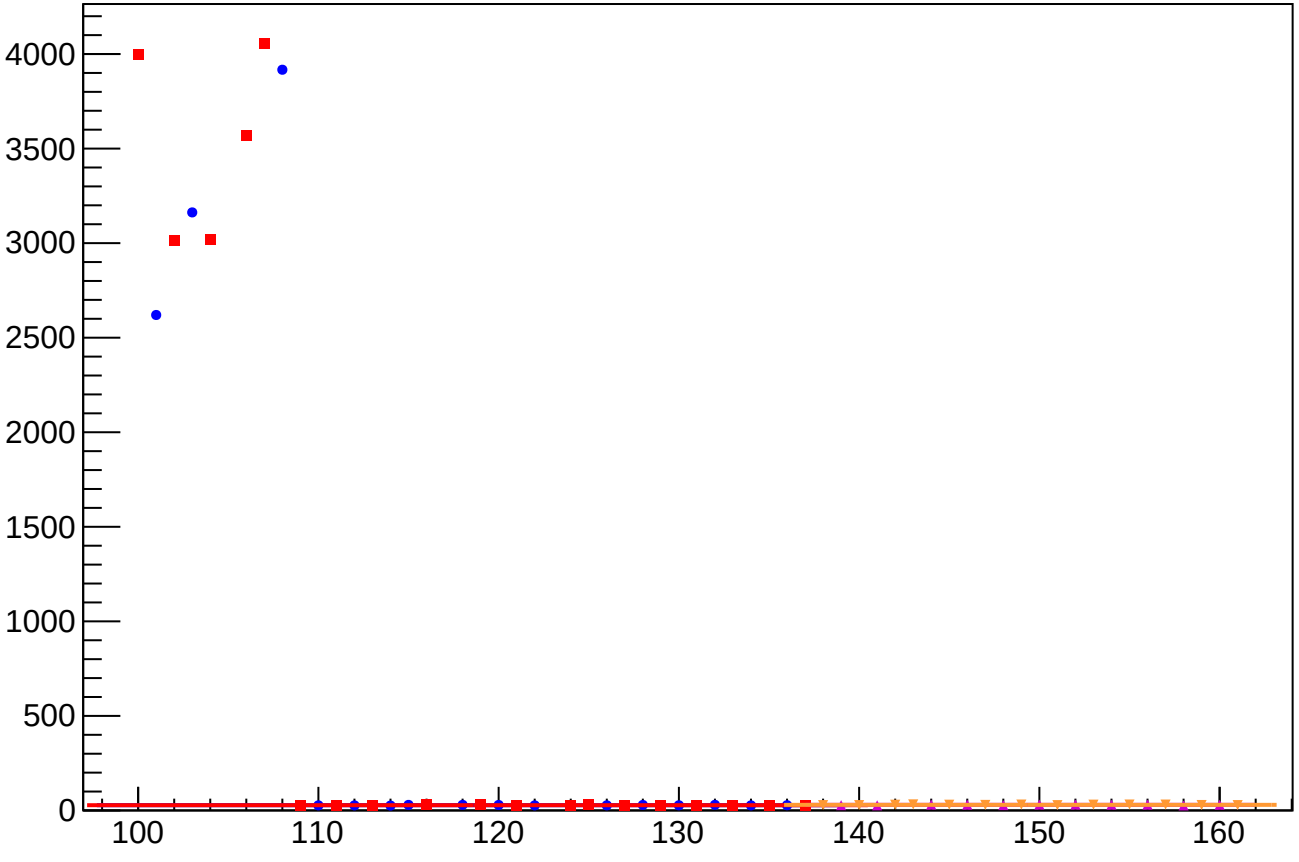
Left In: -5.387+/-9.626 χ^2/NDF:7.5/10

+ sign -4.361+/-7.265 χ^2/NDF: 30.4/28

All: -9.766+/-5.213 χ^2/NDF: 61.7/58

- sign -15.501+/-7.485 χ^2/NDF: 30.1/29

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: 29.648+/-0.007 χ^2/NDF:42930.5/12

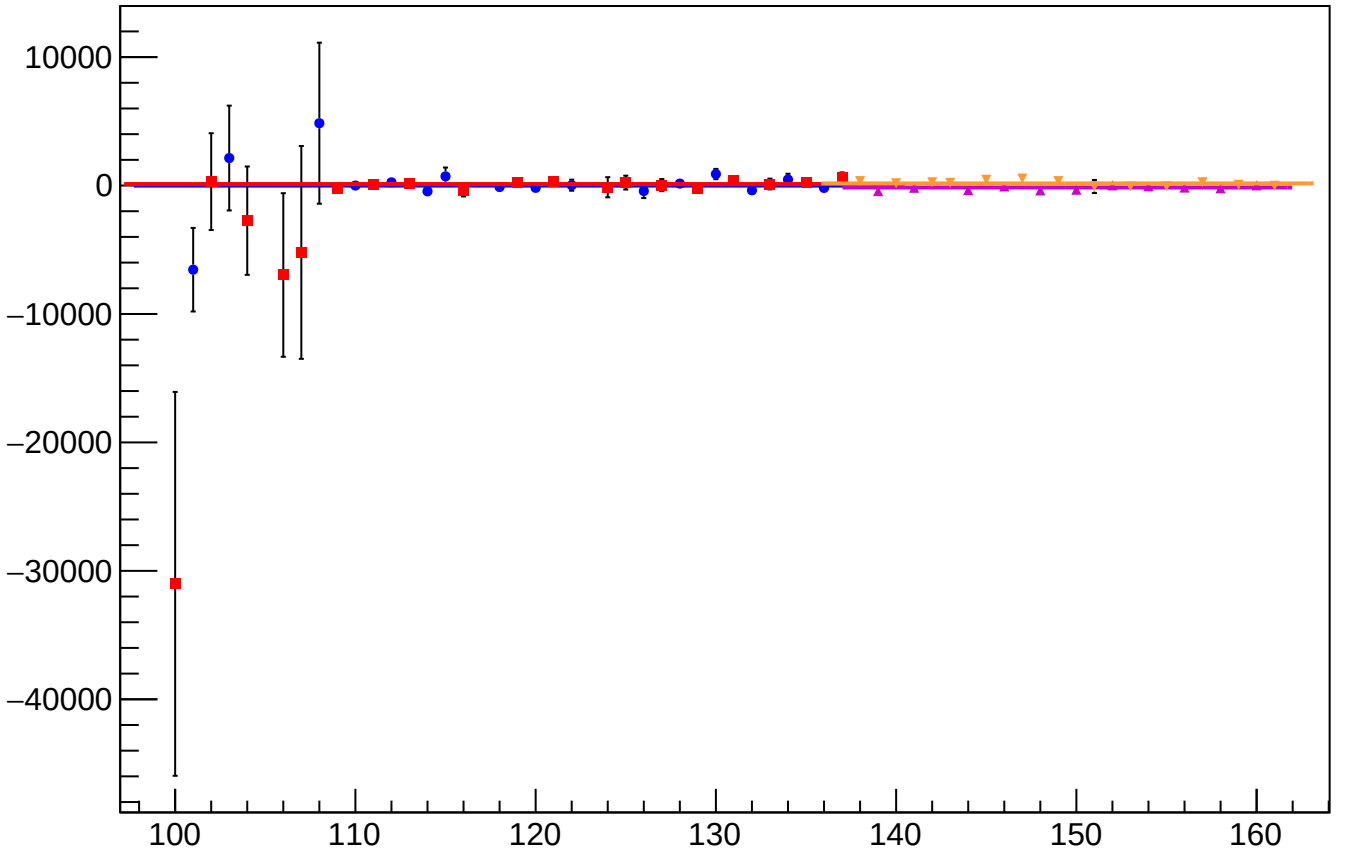
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.639+/-0.007 χ^2/NDF:68751.9/10

\+ sign 28.953+/-0.005 χ^2/NDF: 3338555.0/28

All: 28.924+/-0.004 χ^2/NDF: 6996395.5/58

\- sign 28.893+/-0.005 χ^2/NDF: 3657775.4/29



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 165.419+/-74.980 χ^2/NDF:5.8/12

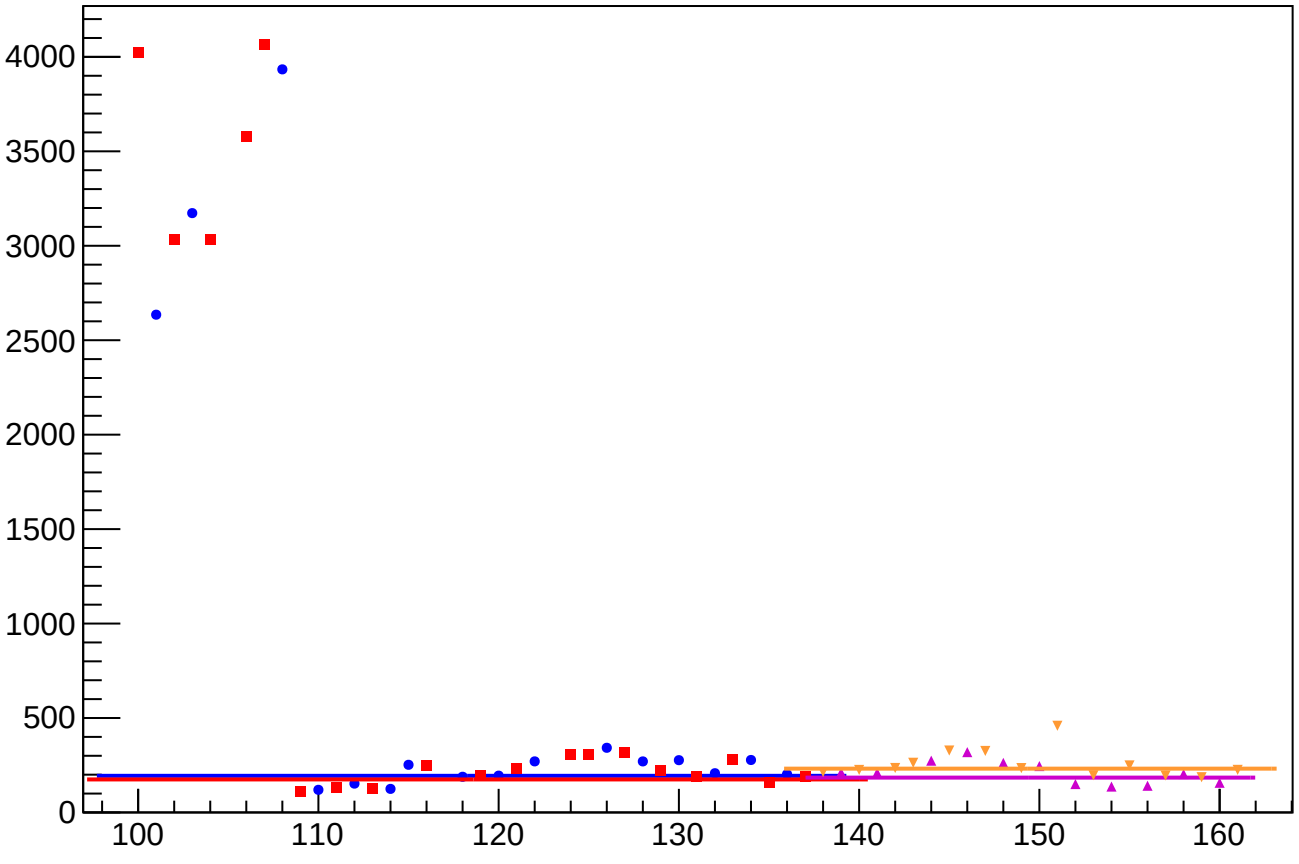
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -153.945+/-63.962 χ^2/NDF:5.1/10

+ sign 92.299+/-56.376 χ^2/NDF: 26.2/28

All: 13.873+/-37.281 χ^2/NDF: 55.5/58

- sign -47.077+/-49.699 χ^2/NDF: 25.9/29



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 231.918+/-0.053 χ^2/NDF:908887.6/12

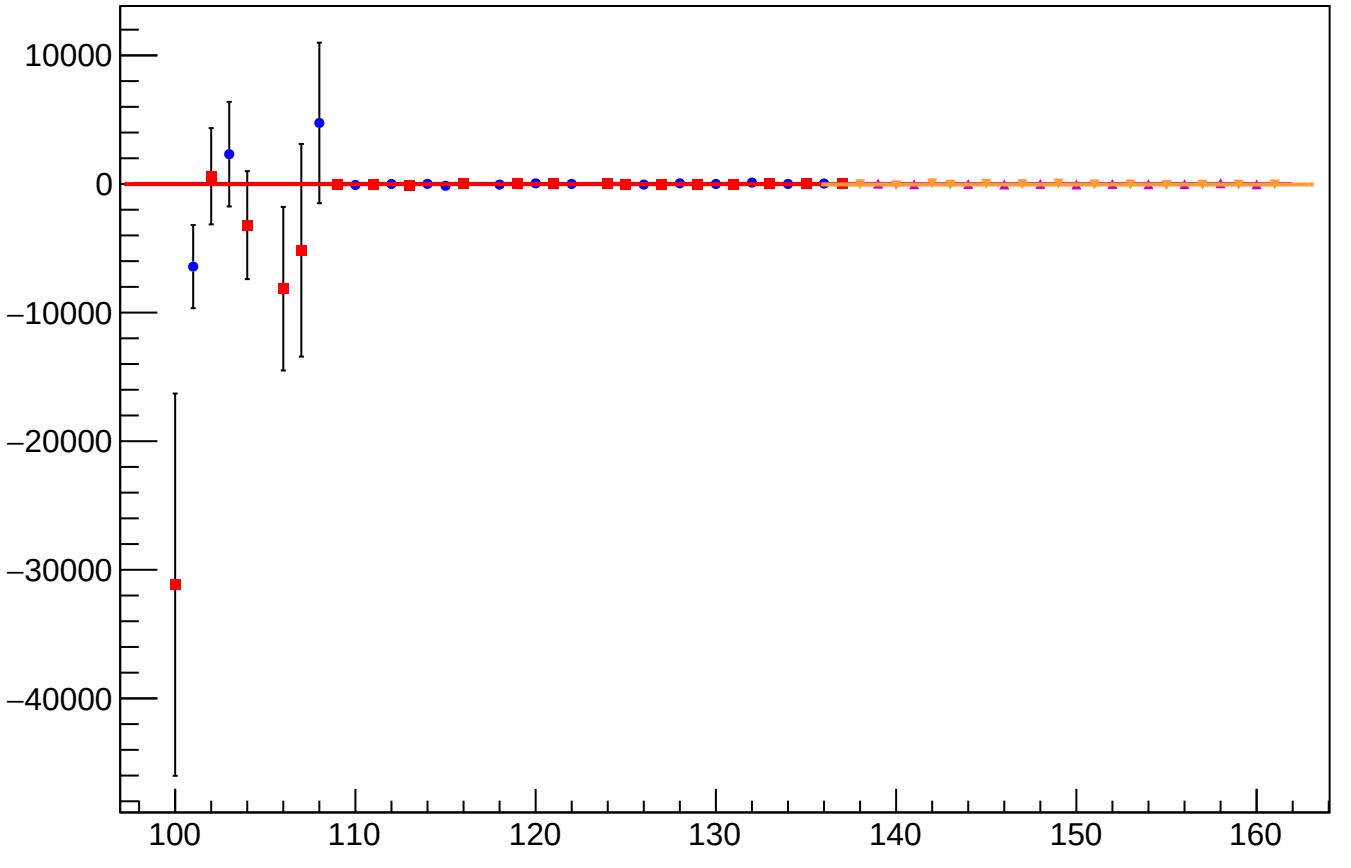
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 184.453+/-0.045 χ^2/NDF:1271840.0/10

+ sign 215.413+/-0.040 χ^2/NDF: 4916319.2/28

All: 195.835+/-0.026 χ^2/NDF: 10894253.1/58

- sign 180.620+/-0.035 χ^2/NDF: 5549289.3/29



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -38.634+/-10.859 χ^2/NDF:13.2/12

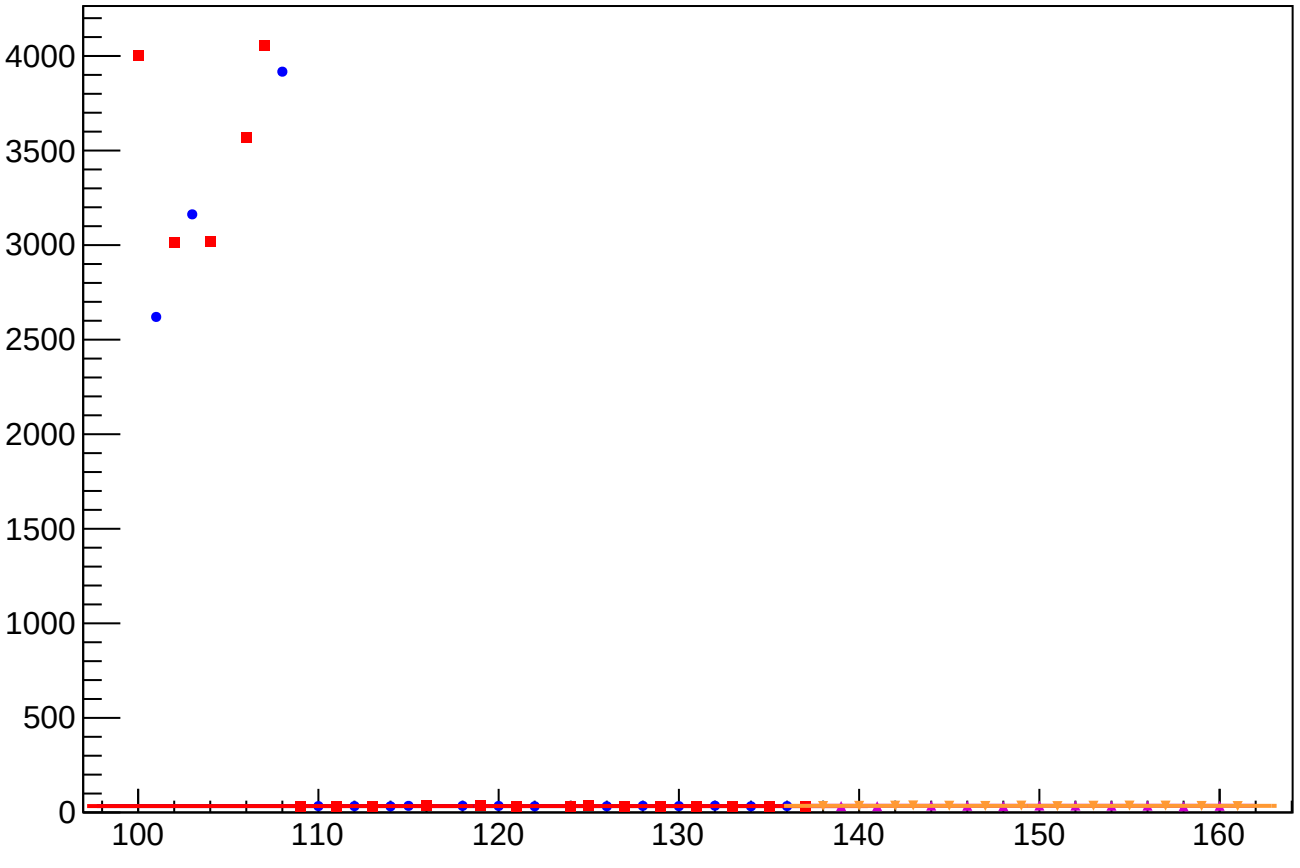
Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 0.772+/-11.348 χ^2/NDF:6.6/10

\+ sign -22.441+/-8.650 χ^2/NDF: 36.7/28

All: -13.188+/-6.210 χ^2/NDF: 69.5/58

\- sign -3.345+/-8.921 χ^2/NDF: 30.4/29



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.908+/-0.008 χ^2/NDF:20241.4/12

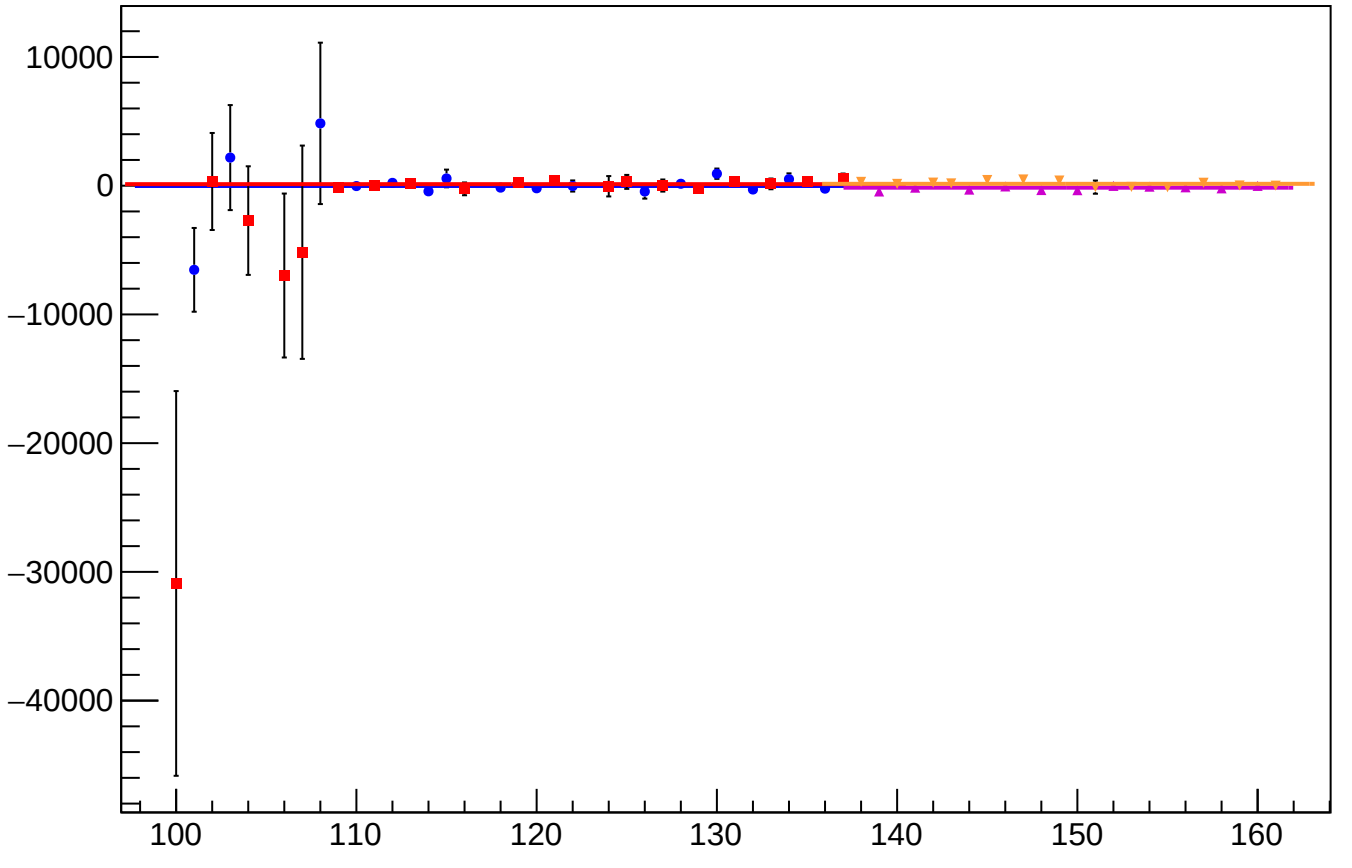
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 35.015+/-0.008 χ^2/NDF:25785.1/10

+ sign 34.539+/-0.006 χ^2/NDF: 3270924.8/28

All: 34.531+/-0.004 χ^2/NDF: 6833031.7/58

- sign 34.522+/-0.006 χ^2/NDF: 3562103.4/29



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 145.237+/-74.758 χ^2/NDF:6.1/12

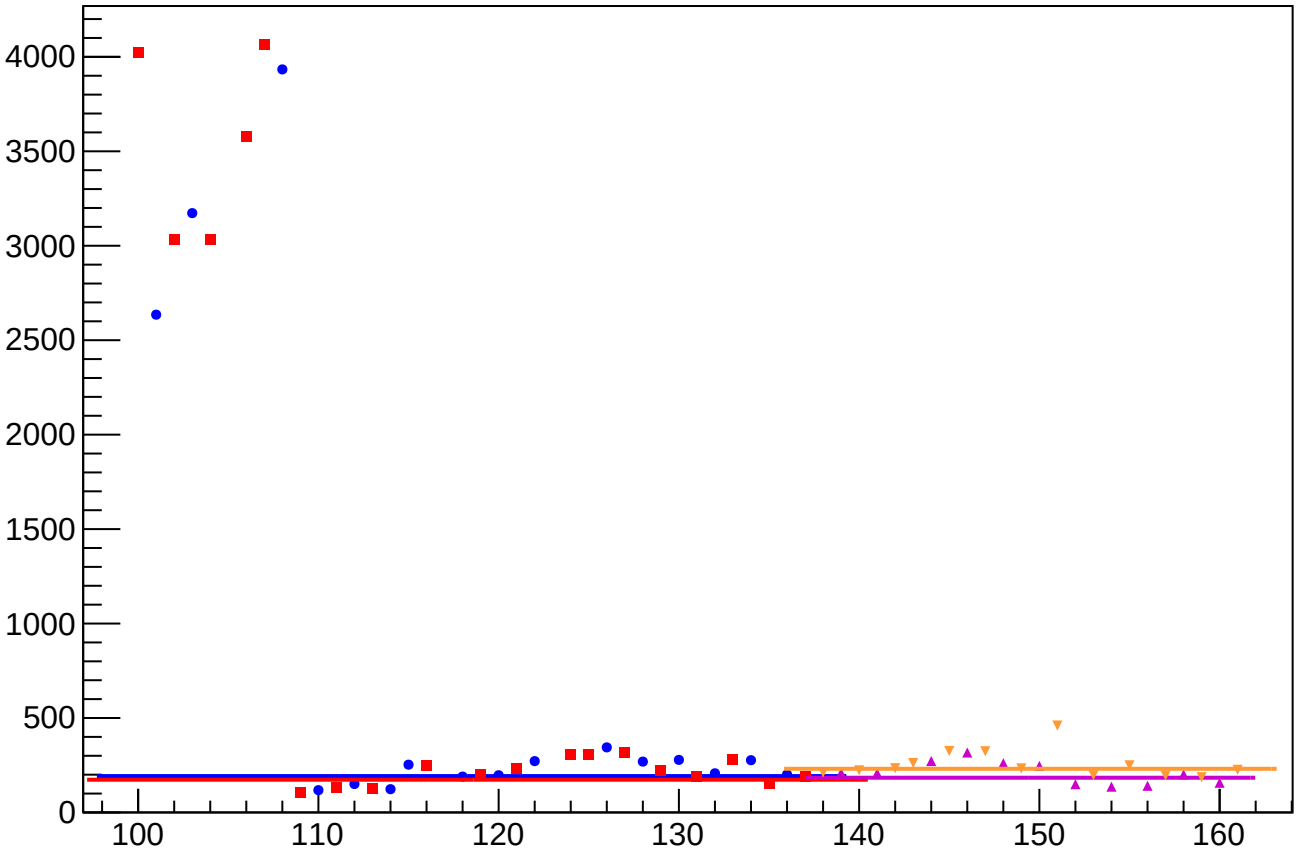
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -153.905+/-63.741 χ^2/NDF:4.3/10

+ sign 73.437+/-56.154 χ^2/NDF: 26.4/28

All: 6.741+/-37.120 χ^2/NDF: 53.9/58

- sign -45.026+/-49.471 χ^2/NDF: 25.0/29



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 231.233+/-0.053 χ^2/NDF:904265.5/12

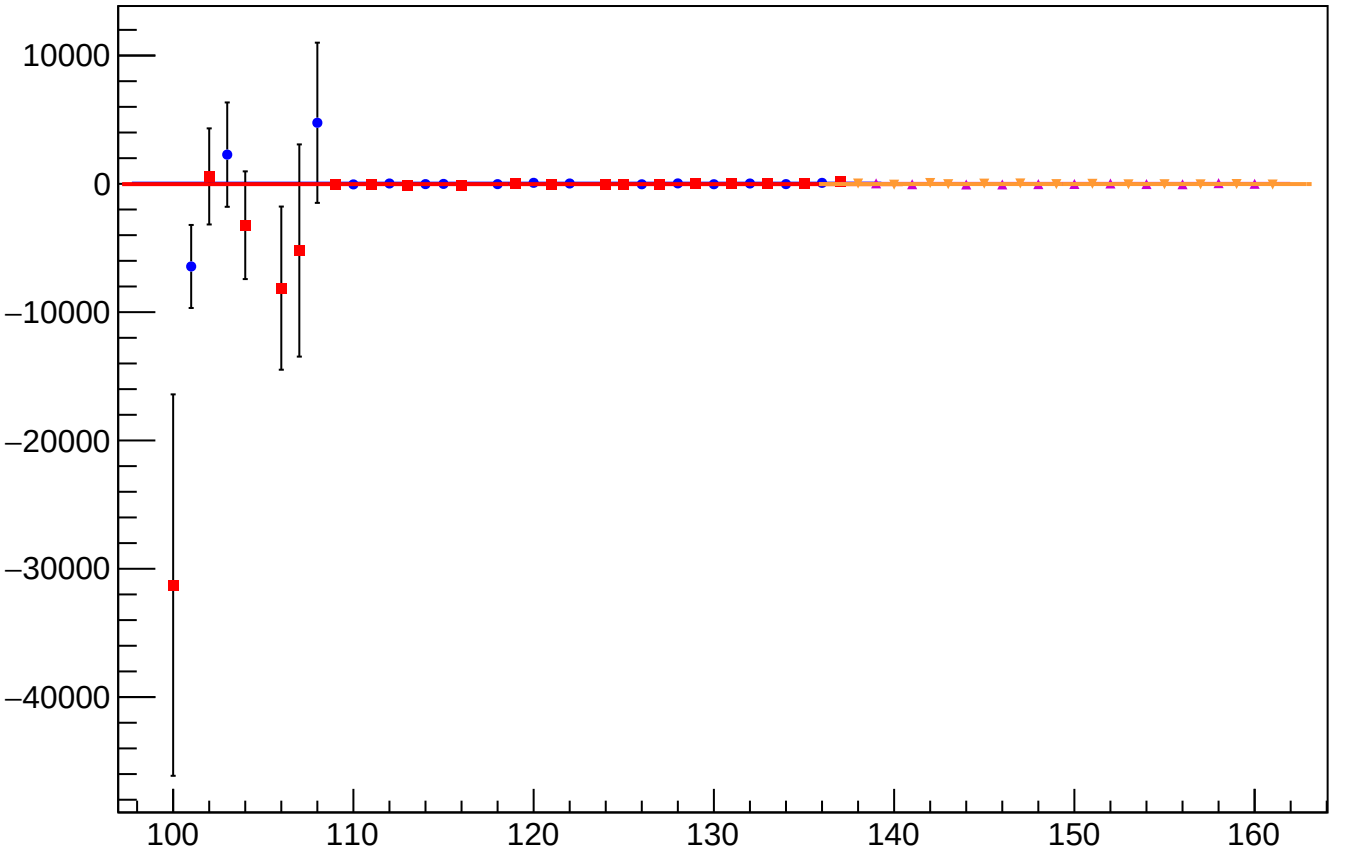
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 183.841+/-0.045 χ^2/NDF:1257023.0/10

+ sign 214.380+/-0.040 χ^2/NDF: 4960298.1/28

All: 194.815+/-0.026 χ^2/NDF: 10977931.2/58

- sign 179.629+/-0.035 χ^2/NDF: 5586403.5/29



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -17.194+/-9.883 χ^2/NDF:11.4/12

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

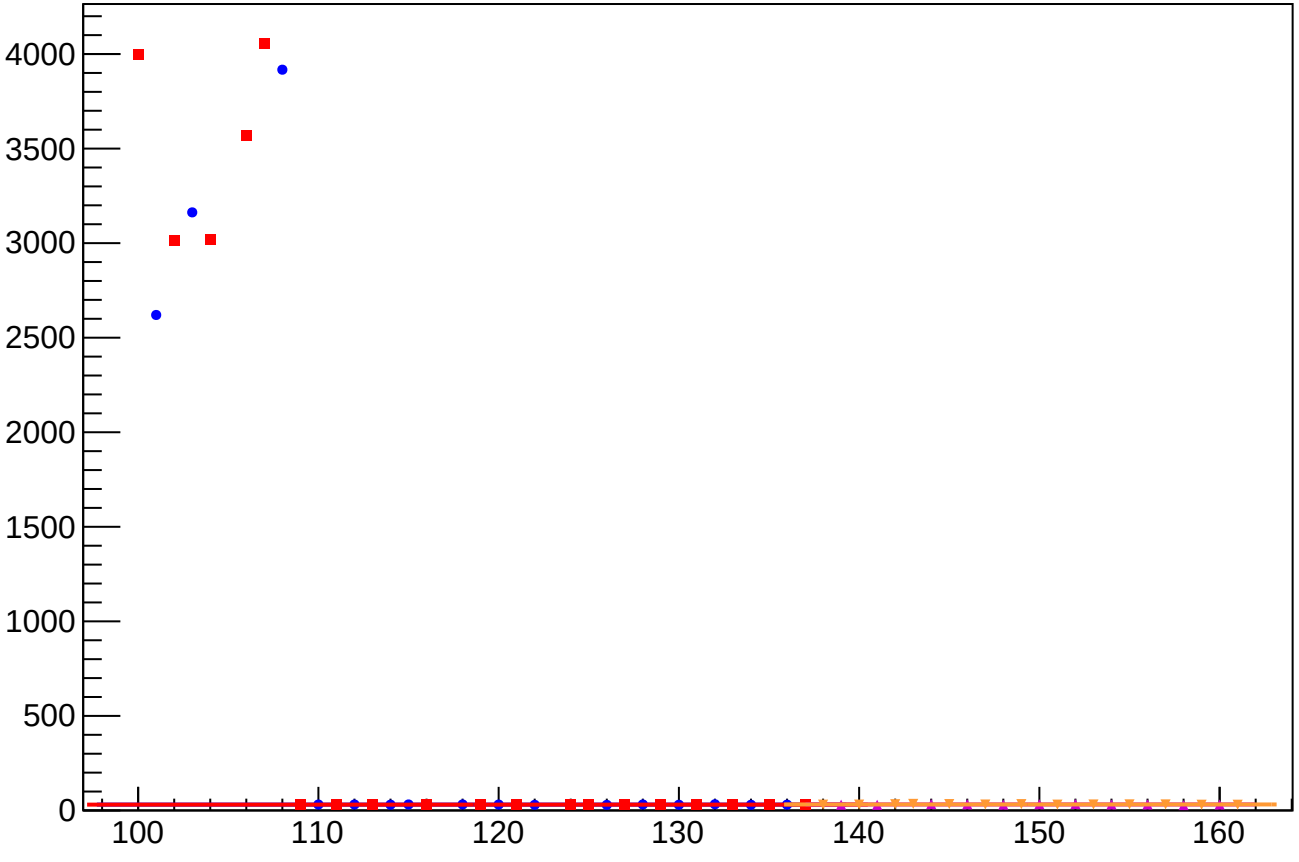
Left In: -3.719+/-10.297 χ^2/NDF:10.7/10

+ sign -5.942+/-7.881 χ^2/NDF: 30.4/28

All: -8.452+/-5.654 χ^2/NDF: 71.4/58

- sign -11.113+/-8.114 χ^2/NDF: 40.8/29

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: 31.738+/-0.007 χ^2/NDF:35166.2/12

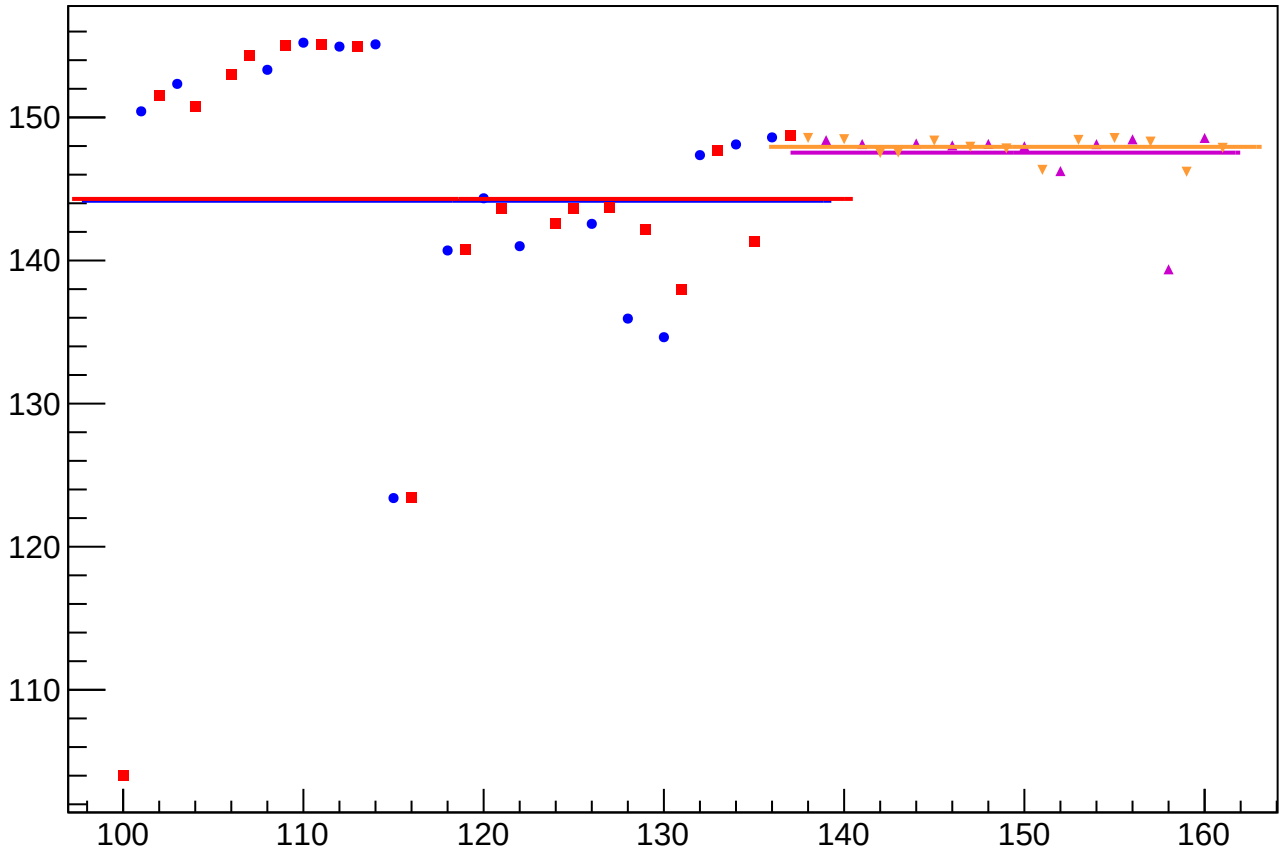
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.718+/-0.007 χ^2/NDF:53139.8/10

+ sign 31.444+/-0.006 χ^2/NDF: 3292665.4/28

All: 31.404+/-0.004 χ^2/NDF: 6888477.4/58

- sign 31.361+/-0.006 χ^2/NDF: 3595706.6/29



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.943+/-0.000 χ^2/NDF:32564232.5/12

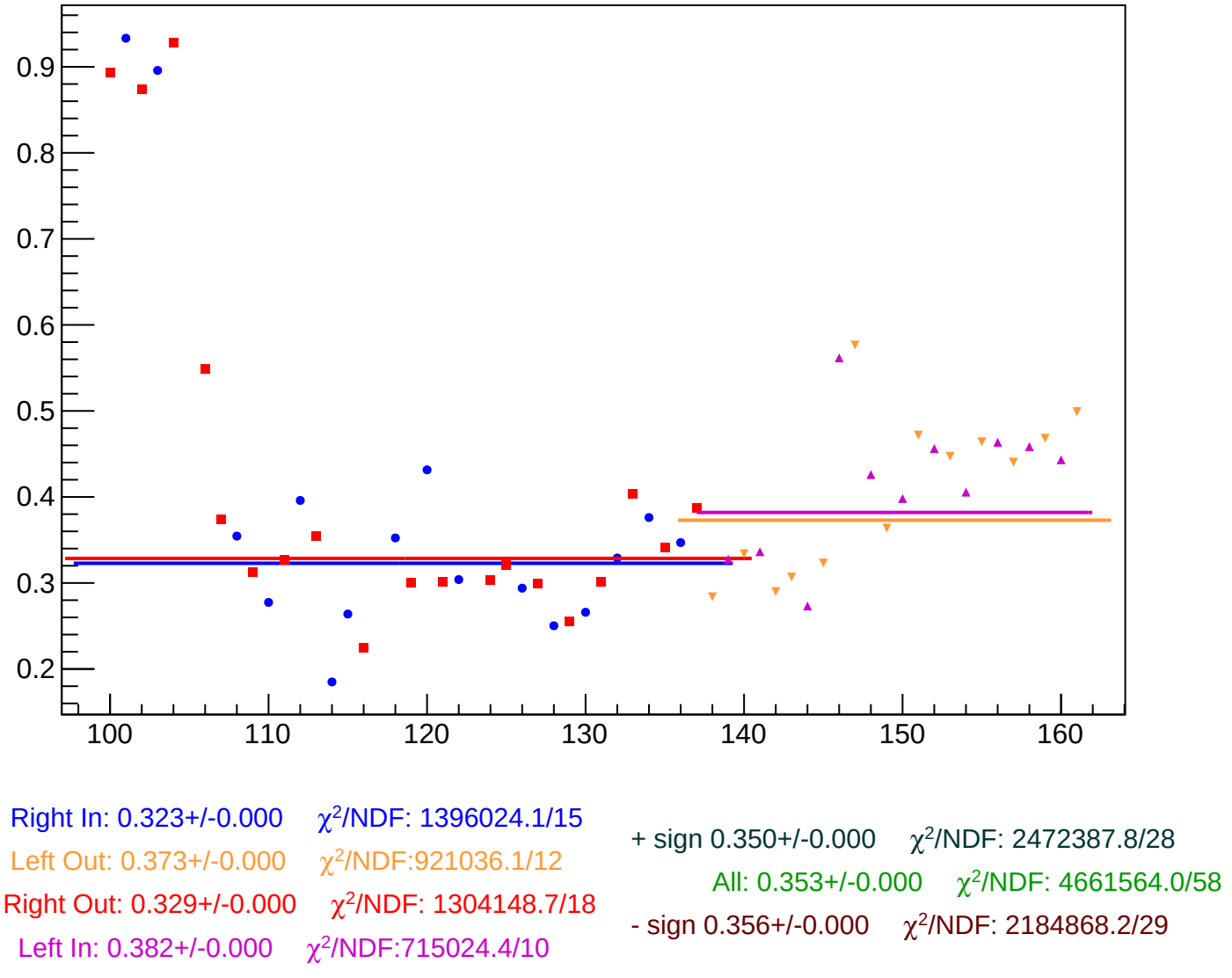
Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

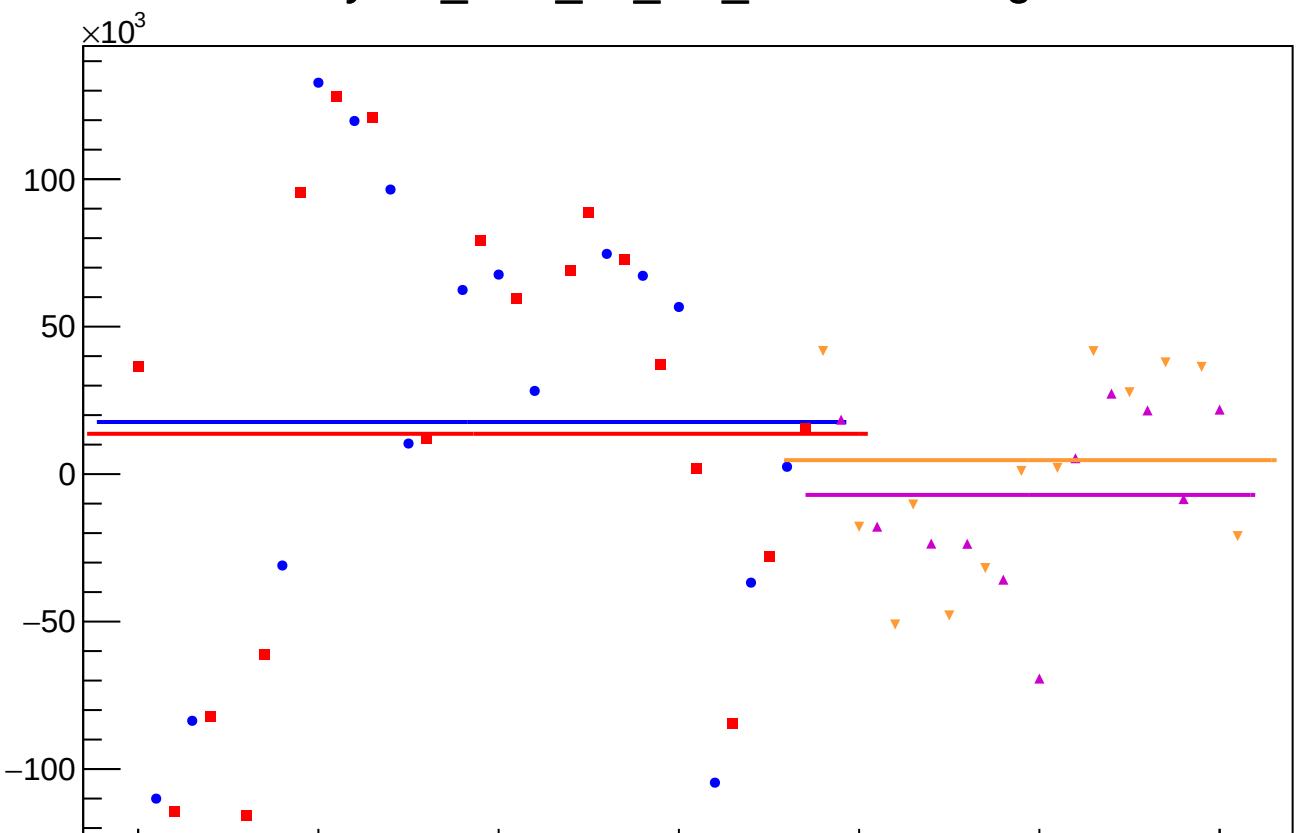
Left In: 147.538+/-0.000 χ^2/NDF:284142704.7/10

+ sign 146.221+/-0.000 χ^2/NDF: 4196930513.2/28

All: 146.099+/-0.000 χ^2/NDF: 9053173850.3

- sign 145.968+/-0.000 χ^2/NDF: 4852405082.6/29


yield_bcm_target_rms vs Slug
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
100
110
120
130
140
150
160
Right In: 0.323+/-0.000 χ²/NDF: 1396024.1/15
Left Out: 0.373+/-0.000 χ²/NDF:921036.1/12
Right Out: 0.329+/-0.000 χ²/NDF: 1304148.7/18
Left In: 0.382+/-0.000 χ²/NDF:715024.4/10
+ sign 0.350+/-0.000 χ²/NDF: 2472387.8/28
All: 0.353+/-0.000 χ²/NDF: 4661564.0/58
- sign 0.356+/-0.000 χ²/NDF: 2184868.2/29



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 4735.156+/-1.537 χ^2/NDF:418216212.4/12

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

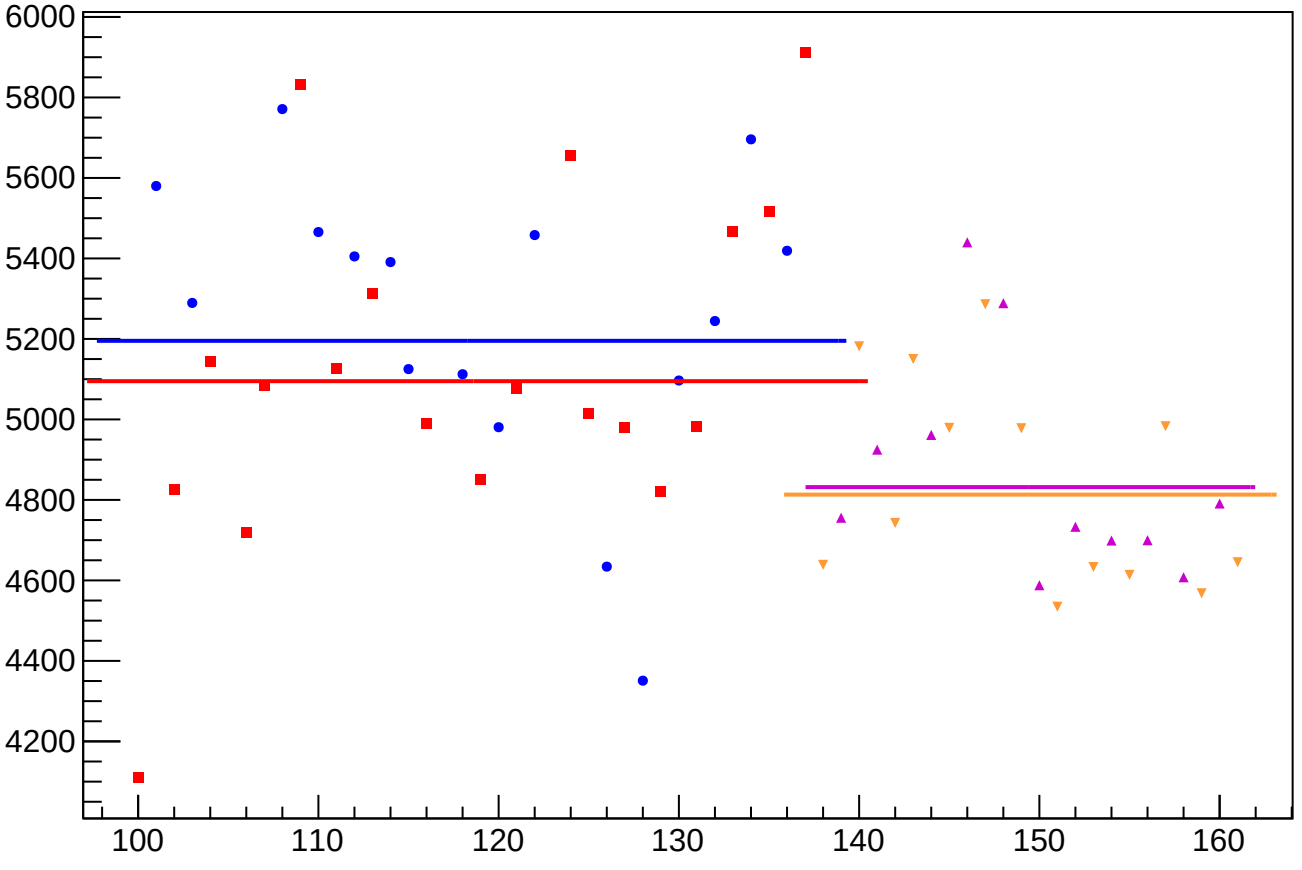
Left In: -7053.793+/-1.611 χ^2/NDF:335837467.1/10

+ sign 9519.115+/-1.220 χ^2/NDF: 1843134939.8/28

All: 5548.809+/-0.868 χ^2/NDF: 4125539576.

- sign 1478.480+/-1.235 χ^2/NDF: 2260954837.9/29

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4813.178+/-1.087 χ^2/NDF:52422.5/12

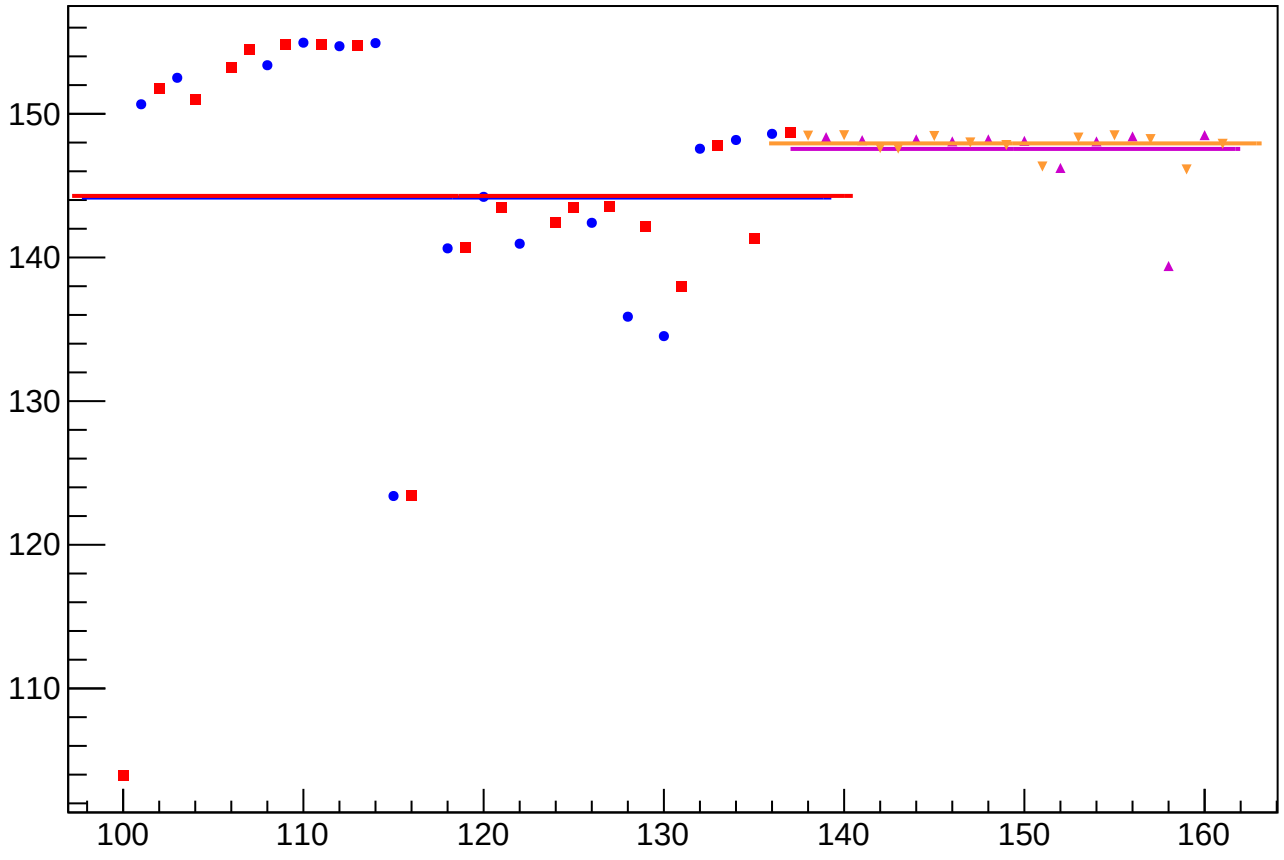
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4831.787+/-1.139 χ^2/NDF:46068.8/10

+ sign 4954.573+/-0.863 χ^2/NDF: 175328.5/28

All: 4947.473+/-0.614 χ^2/NDF: 302651.0/58

- sign 4940.194+/-0.873 χ^2/NDF: 127185.3/29



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.942+/-0.000 χ^2/NDF:32540604.7/12

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

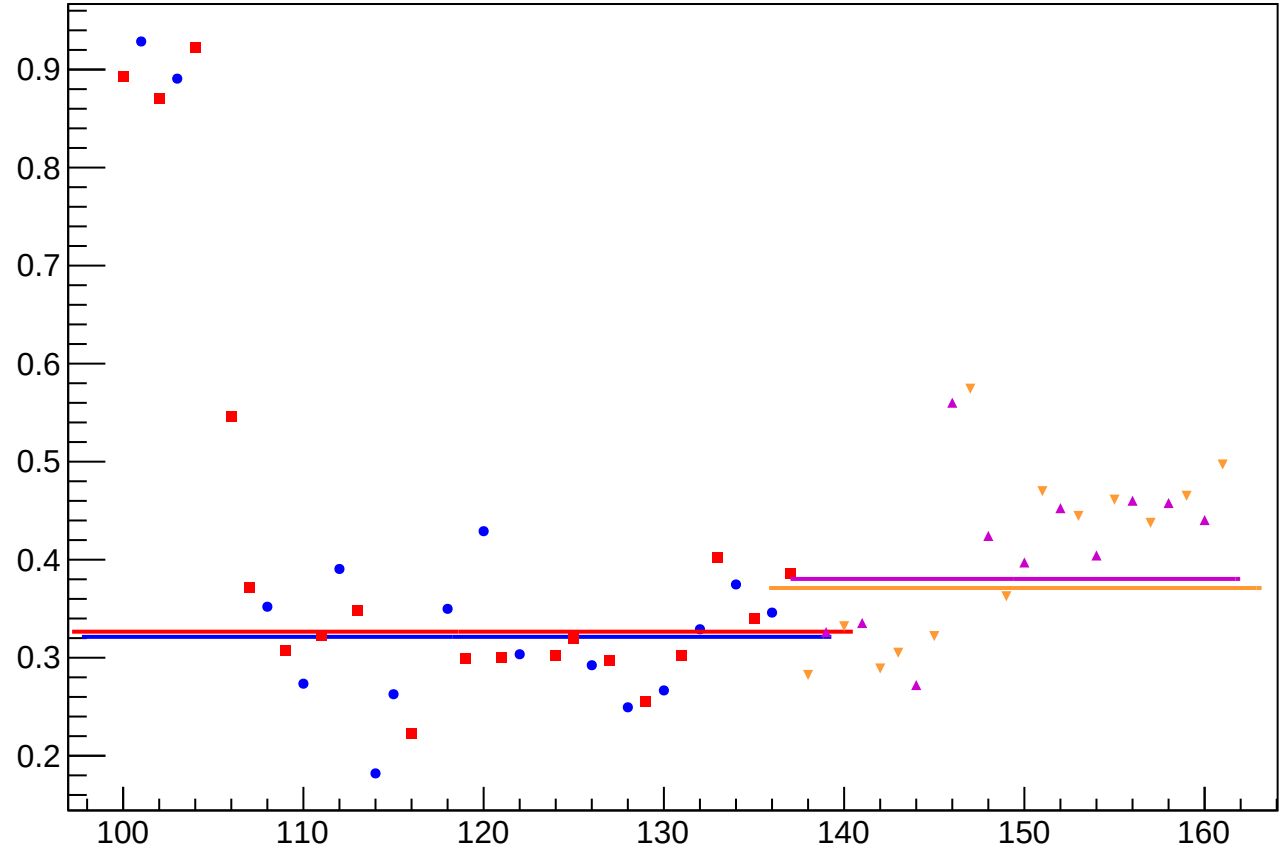
Left In: 147.557+/-0.000 χ^2/NDF:285117935.9/10

+ sign 146.218+/-0.000 χ^2/NDF: 4242039685.0/28

All: 146.097+/-0.000 χ^2/NDF: 9135300496.4

- sign 145.967+/-0.000 χ^2/NDF: 4889430436.5/29

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.371+/-0.000 χ^2/NDF:919682.8/12

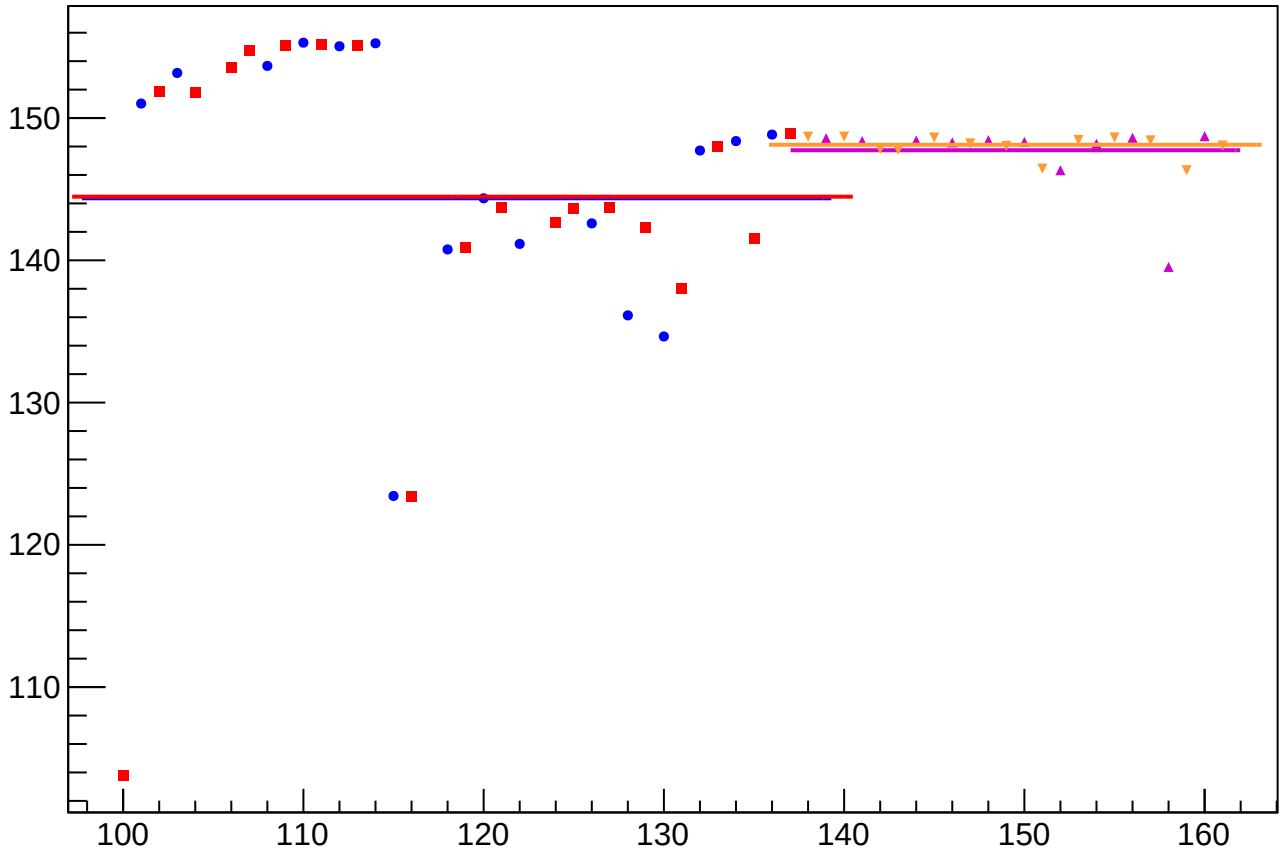
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.380+/-0.000 χ^2/NDF:713011.2/10

+ sign 0.348+/-0.000 χ^2/NDF: 2471391.9/28

All: 0.351+/-0.000 χ^2/NDF: 4661422.2/58

- sign 0.354+/-0.000 χ^2/NDF: 2185841.8/29



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.123+/-0.000 χ^2/NDF:32596089.8/12

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

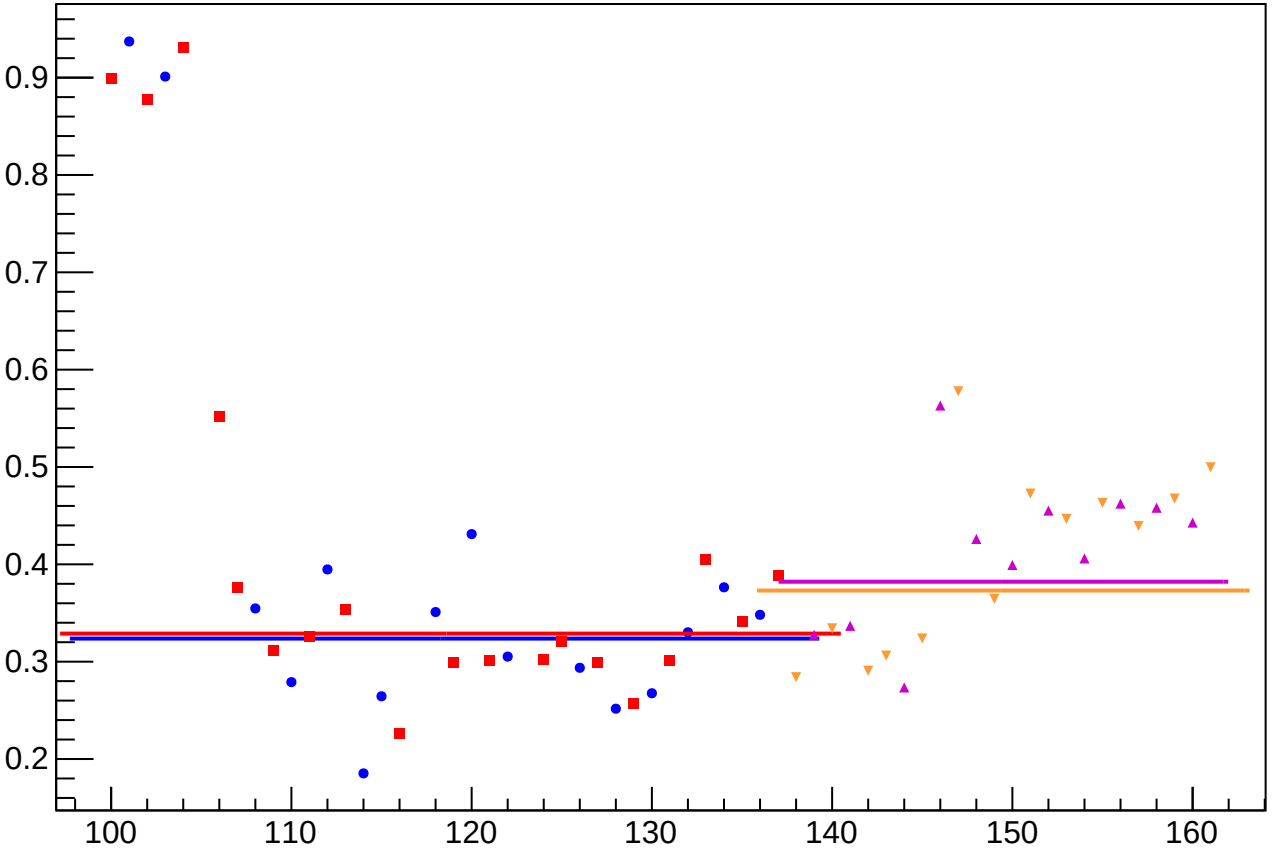
Left In: 147.738+/-0.000 χ^2/NDF:289515520.6/10

+ sign 146.407+/-0.000 χ^2/NDF: 4228530526.2/28

All: 146.285+/-0.000 χ^2/NDF: 9112922477.8

- sign 146.155+/-0.000 χ^2/NDF: 4880580847.4/29

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.373+/-0.000 χ^2/NDF:918555.9/12

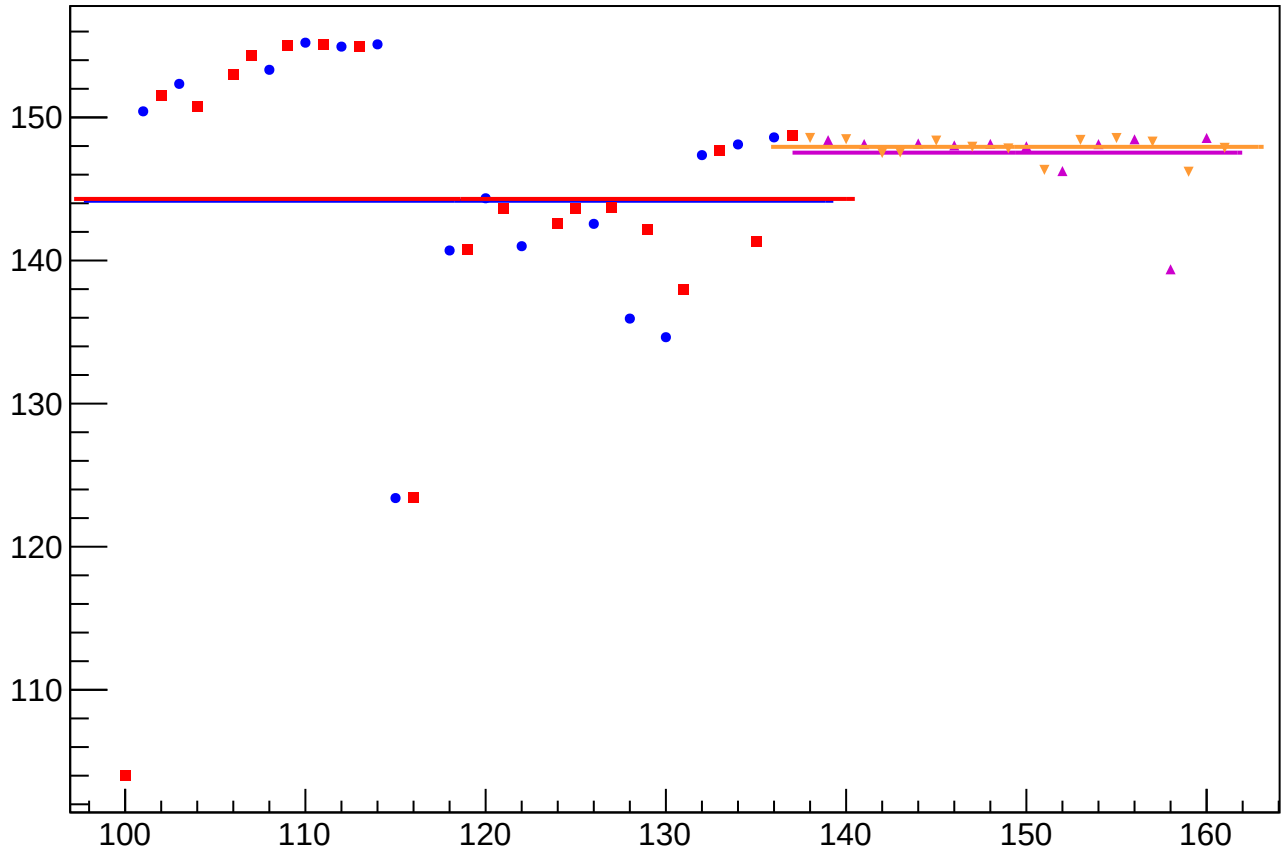
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.382+/-0.000 χ^2/NDF:711993.7/10

+ sign 0.351+/-0.000 χ^2/NDF: 2461524.2/28

All: 0.353+/-0.000 χ^2/NDF: 4645741.7/58

- sign 0.356+/-0.000 χ^2/NDF: 2180287.1/29



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.943+/-0.000 χ^2/NDF:32564232.5/12

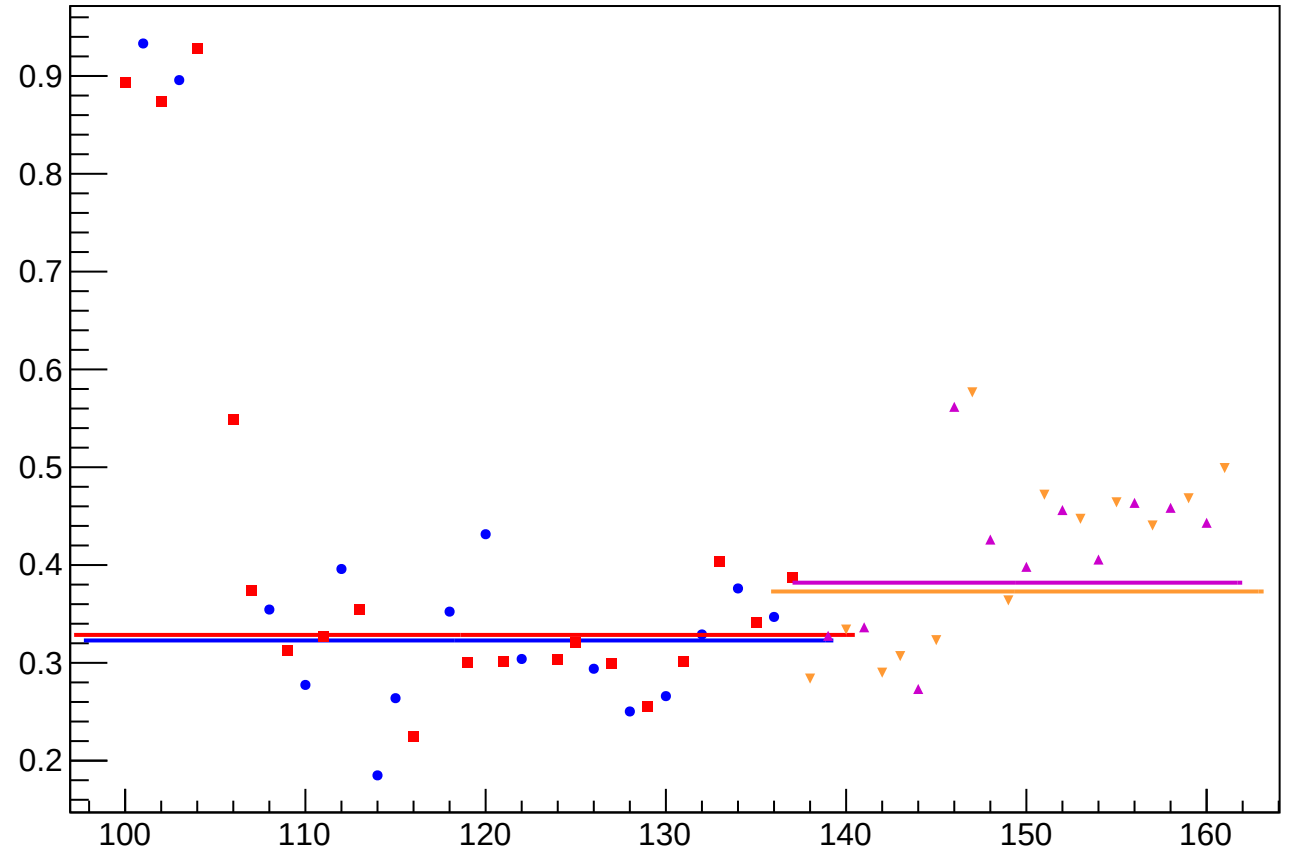
Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.538+/-0.000 χ^2/NDF:284142704.7/10

+ sign 146.221+/-0.000 χ^2/NDF: 4196930513.2/28

All: 146.099+/-0.000 χ^2/NDF: 9053173850.3

- sign 145.968+/-0.000 χ^2/NDF: 4852405082.6/29



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.373+/-0.000 χ^2/NDF:921036.1/12

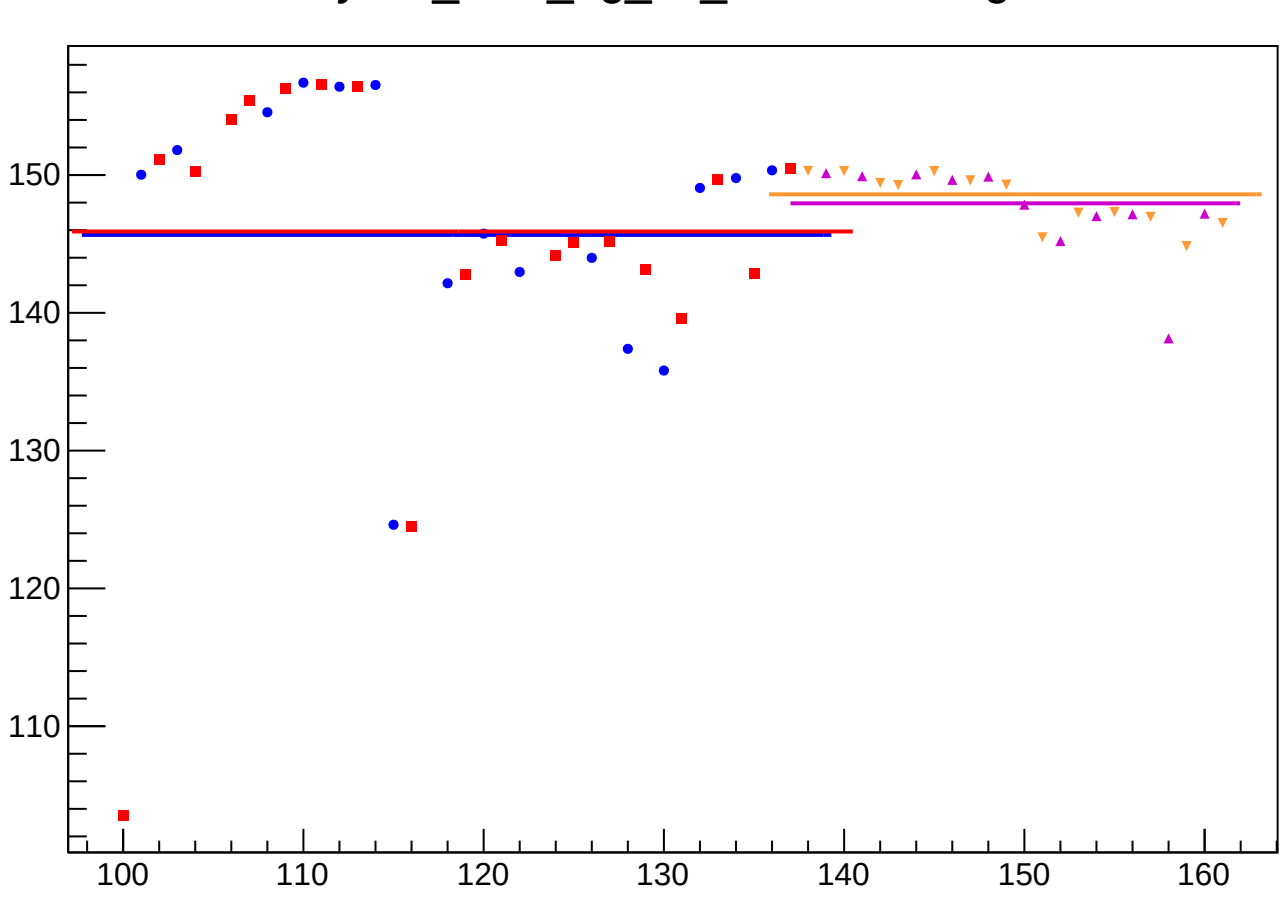
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.382+/-0.000 χ^2/NDF:715024.4/10

+ sign 0.350+/-0.000 χ^2/NDF: 2472387.8/28

All: 0.353+/-0.000 χ^2/NDF: 4661564.0/58

- sign 0.356+/-0.000 χ^2/NDF: 2184868.2/29



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.601+/-0.000 χ^2/NDF:194971383.2/12

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

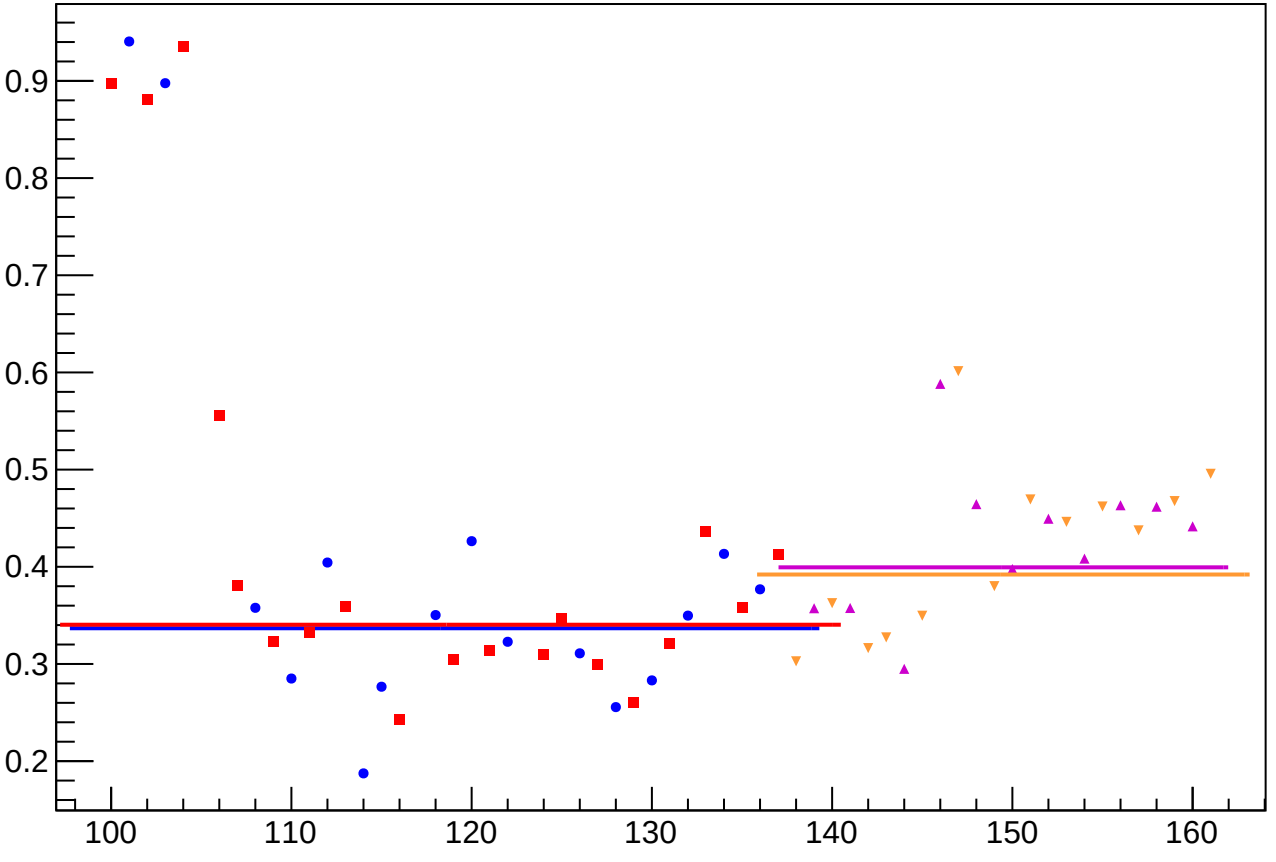
Left In: 147.946+/-0.000 χ^2/NDF:518045122.3/10

+ sign 147.249+/-0.000 χ^2/NDF: 3922371081.2/28

All: 147.104+/-0.000 χ^2/NDF: 8420636716.3

- sign 146.950+/-0.000 χ^2/NDF: 4493303508.8/29

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.392+/-0.000 χ^2/NDF:688878.5/12

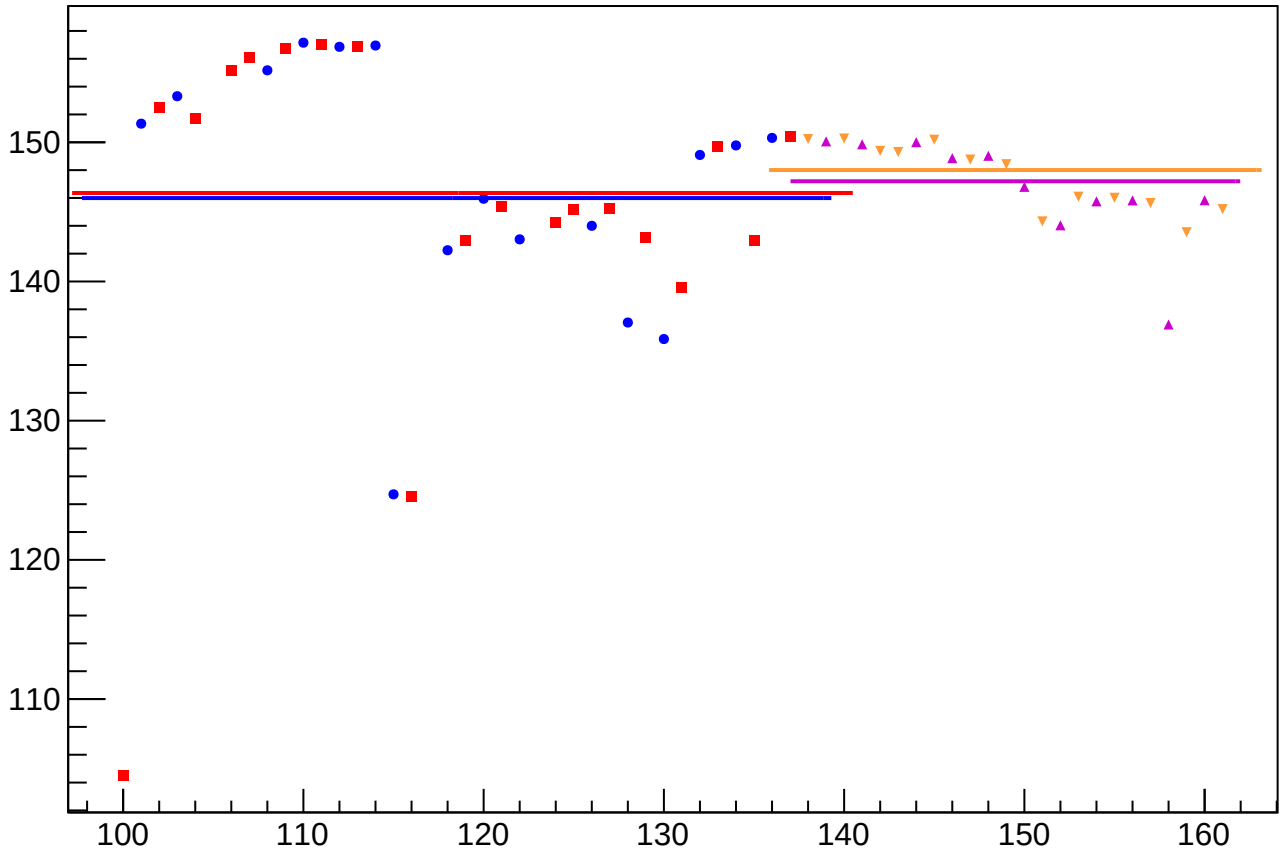
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.399+/-0.000 χ^2/NDF:559674.5/10

+ sign 0.367+/-0.000 χ^2/NDF: 2232906.0/28

All: 0.369+/-0.000 χ^2/NDF: 4256925.9/58

- sign 0.371+/-0.000 χ^2/NDF: 2022265.6/29



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 148.006+/-0.000 χ^2/NDF:323858868.3/12

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

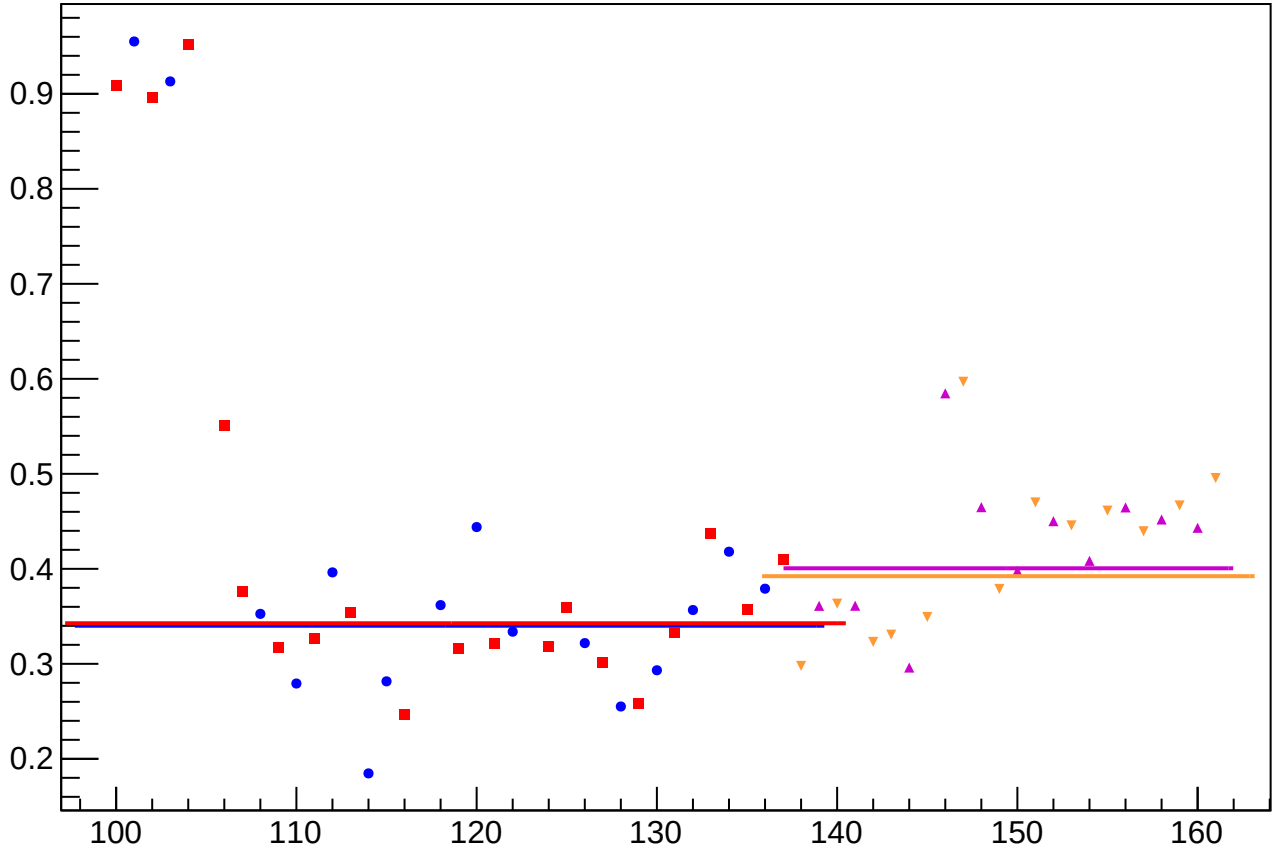
Left In: 147.199+/-0.000 χ^2/NDF:670945530.6/10

+ sign 147.092+/-0.000 χ^2/NDF: 4058868235.5/28

All: 146.946+/-0.000 χ^2/NDF: 8716723106.9

- sign 146.791+/-0.000 χ^2/NDF: 4652899955.5/29

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.392+/-0.000 χ^2/NDF:684514.7/12

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

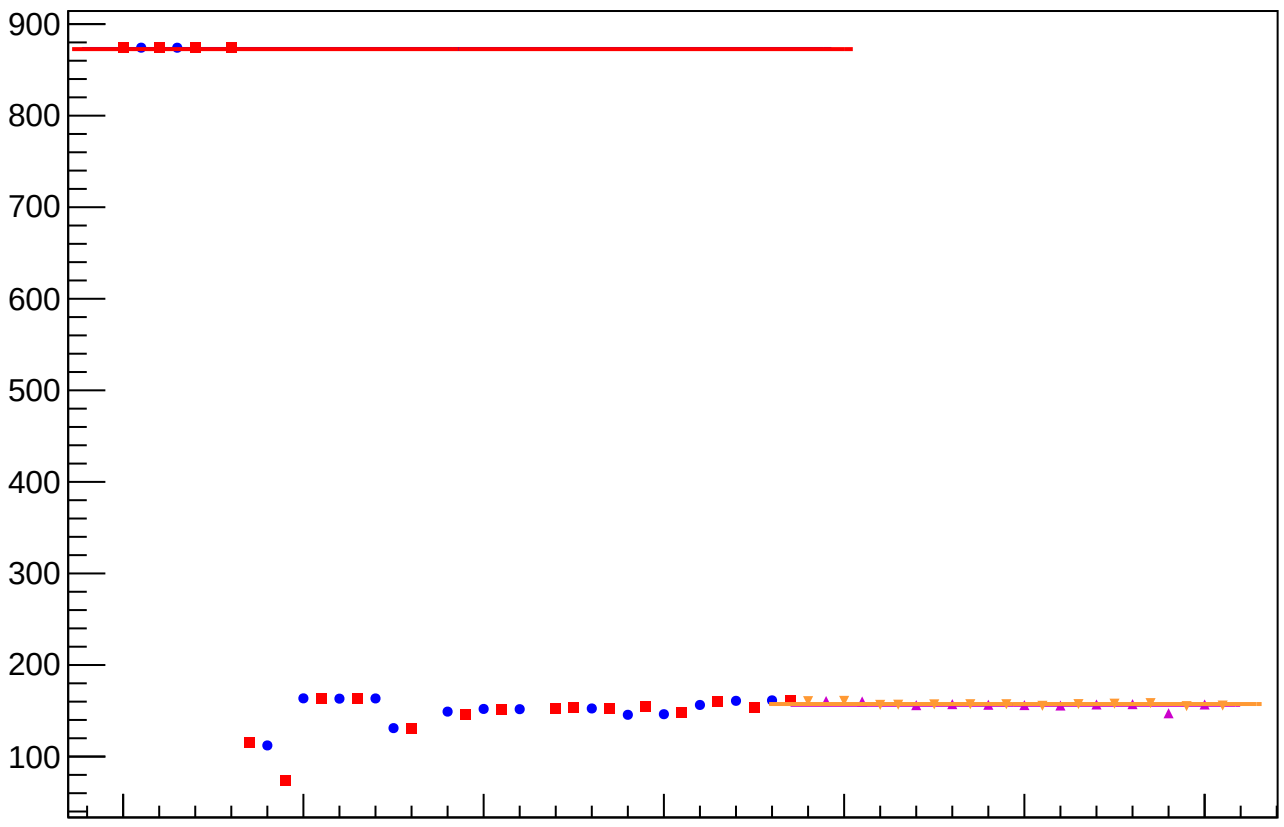
Left In: 0.401+/-0.000 χ^2/NDF:534457.9/10

+ sign 0.369+/-0.000 χ^2/NDF: 2229664.6/28

All: 0.370+/-0.000 χ^2/NDF: 4214818.5/58

- sign 0.372+/-0.000 χ^2/NDF: 1983494.4/29

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.386+/-0.000 χ^2/NDF:56891369.5/12

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

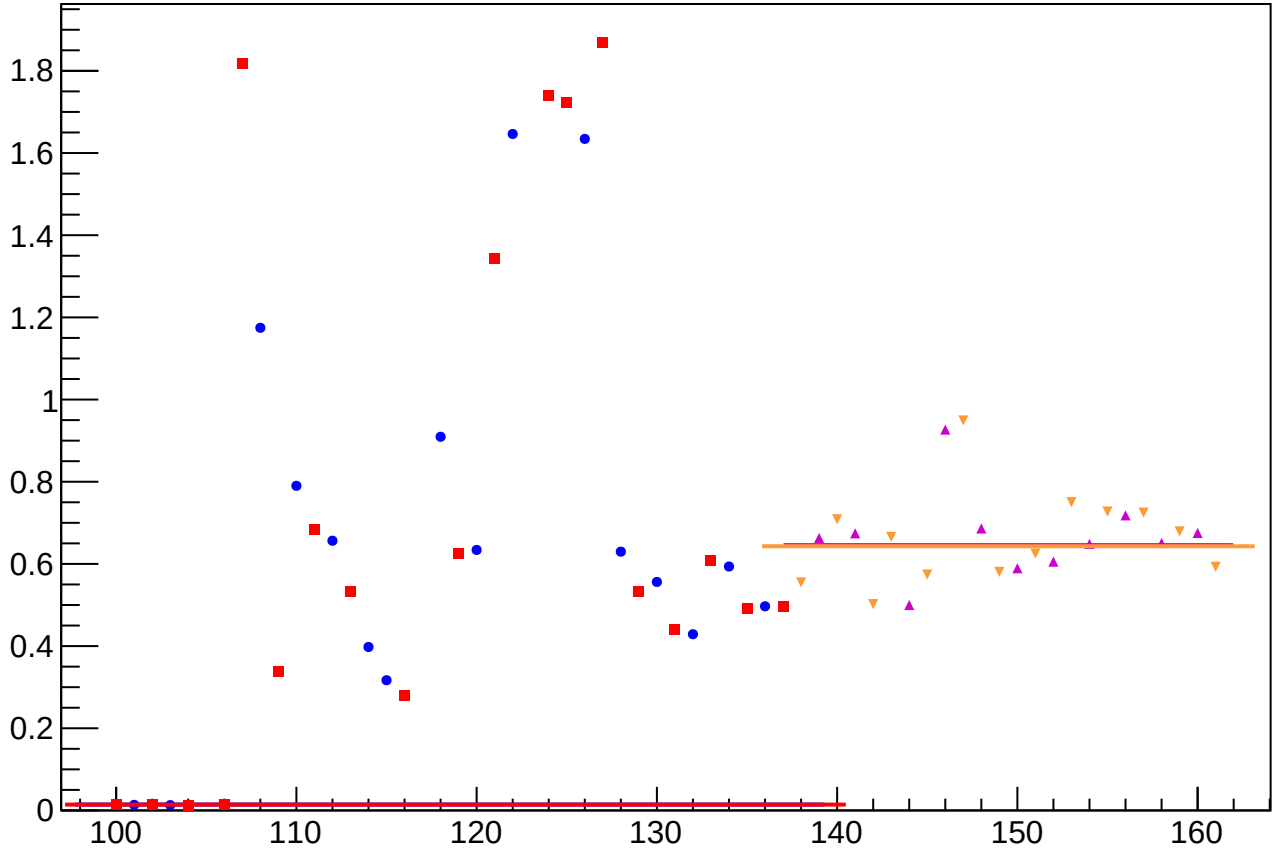
Left In: 156.525+/-0.000 χ^2/NDF:163933748.4/10

+ sign 871.156+/-0.000 χ^2/NDF: 15681850502797.

All: 871.269+/-0.000 χ^2/NDF: 325461481992

- sign 871.367+/-0.000 χ^2/NDF: 16864128619305.0

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.643+/-0.000 χ^2/NDF:283646.1/12

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

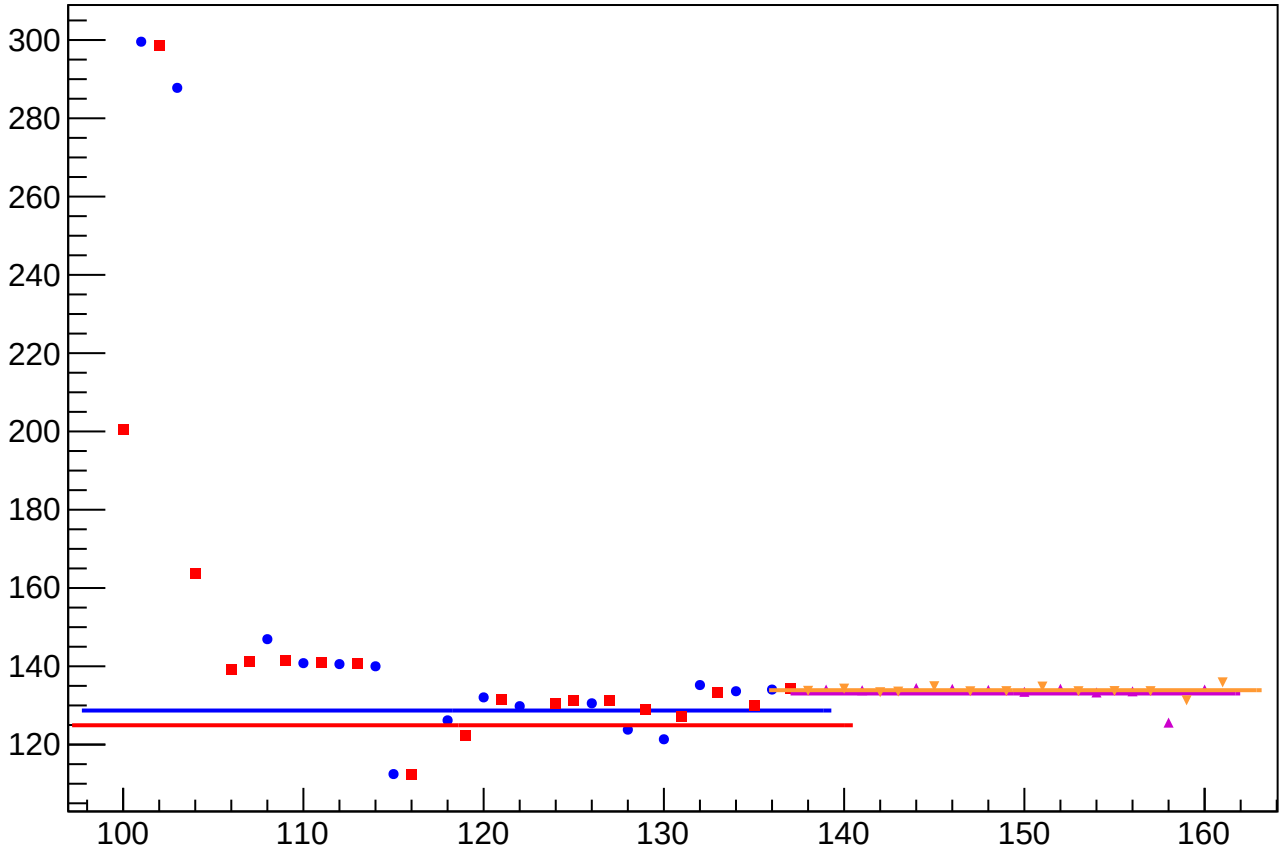
Left In: 0.646+/-0.000 χ^2/NDF:219605.4/10

+ sign 0.016+/-0.000 χ^2/NDF: 23015316.3/28

All: 0.016+/-0.000 χ^2/NDF: 44617025.5/58

- sign 0.015+/-0.000 χ^2/NDF: 21600161.2/29

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 133.894+/-0.000 χ^2/NDF:47262466.5/12

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

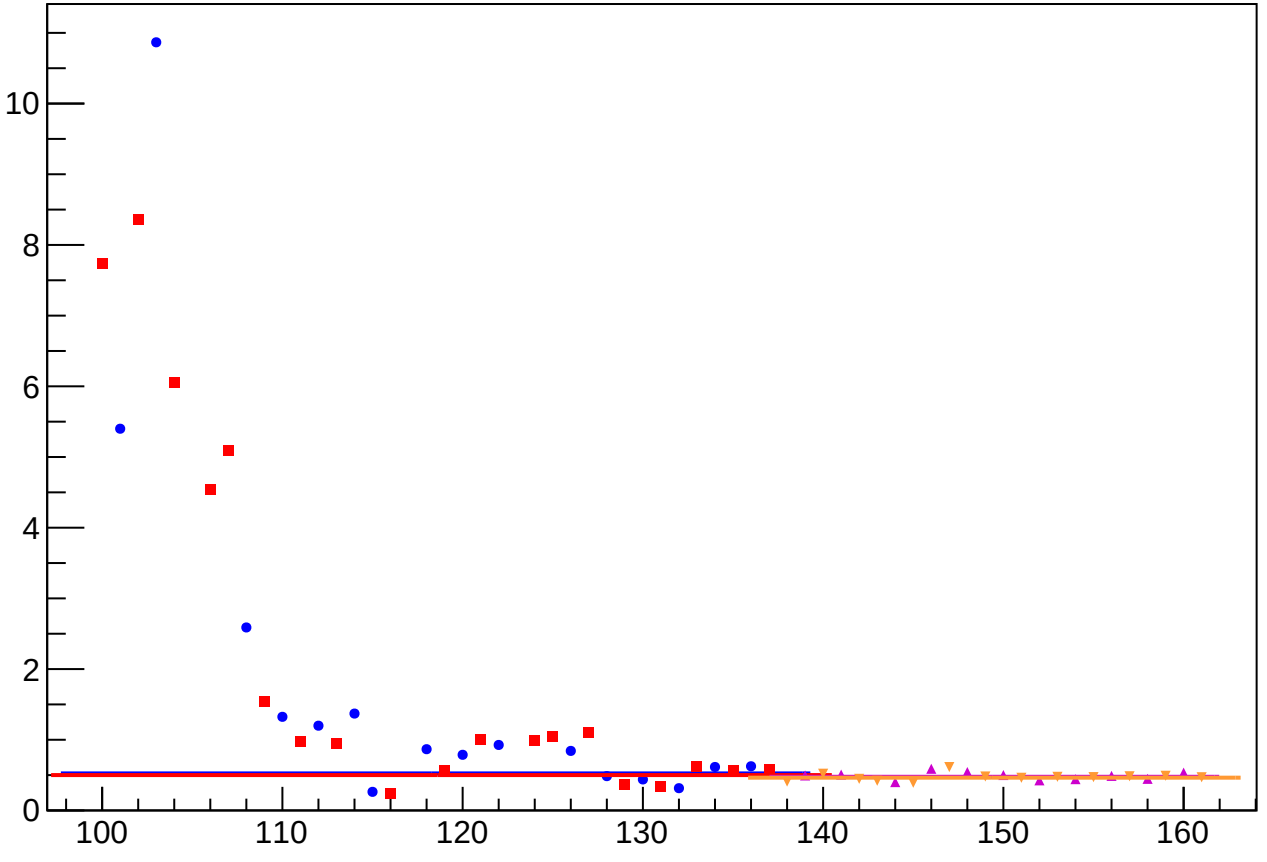
Left In: 133.054+/-0.000 χ^2/NDF:242689931.5/10

+ sign 132.631+/-0.000 χ^2/NDF: 1976318877.7/28

All: 131.750+/-0.000 χ^2/NDF: 4372744439.3

- sign 130.785+/-0.000 χ^2/NDF: 2306949142.0/29

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.464+/-0.000 χ^2/NDF:195173.5/12

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

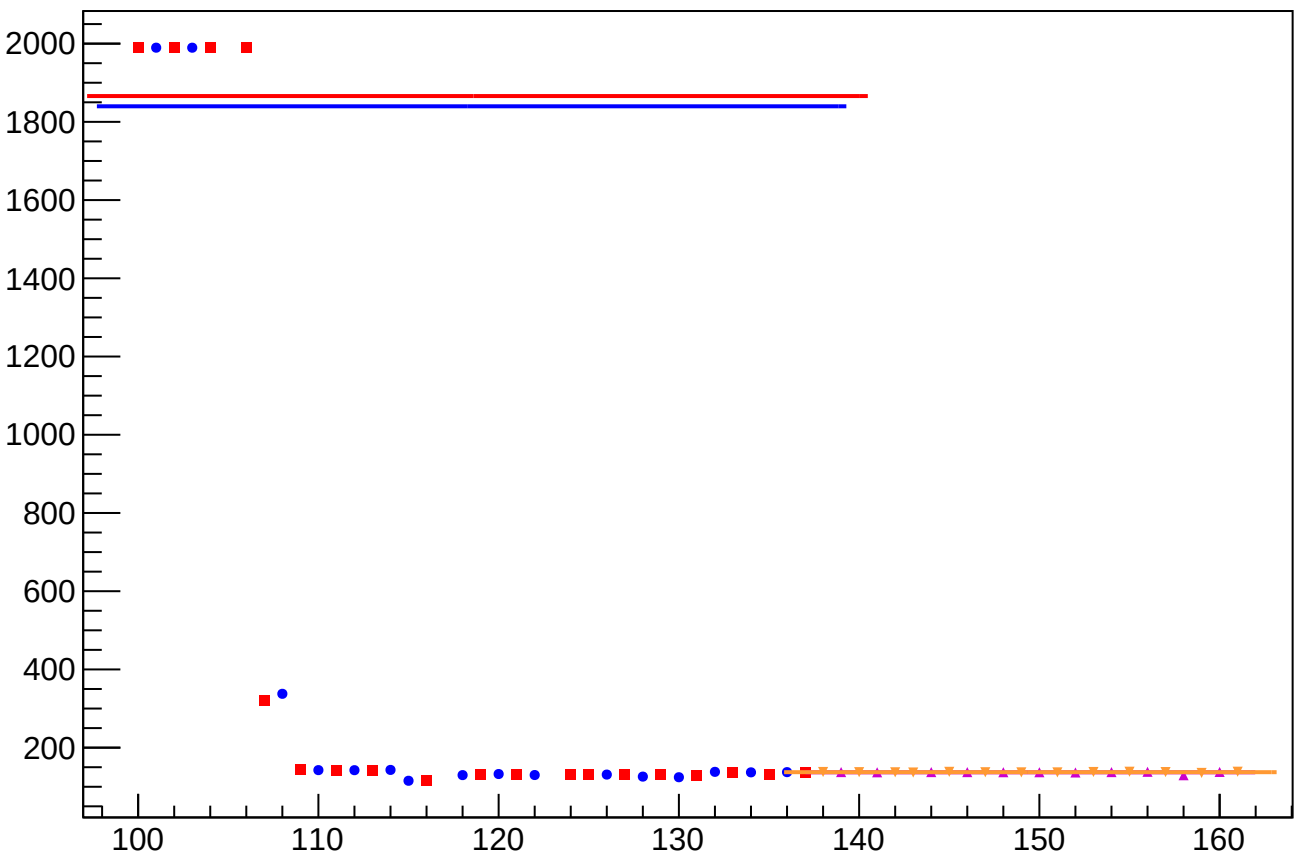
Left In: 0.476+/-0.000 χ^2/NDF:209183.9/10

+ sign 0.478+/-0.000 χ^2/NDF: 4407181.2/28

All: 0.481+/-0.000 χ^2/NDF: 9513557.9/58

- sign 0.483+/-0.000 χ^2/NDF: 5105253.5/29

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.293+/-0.000 χ^2/NDF:40542219.8/12

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

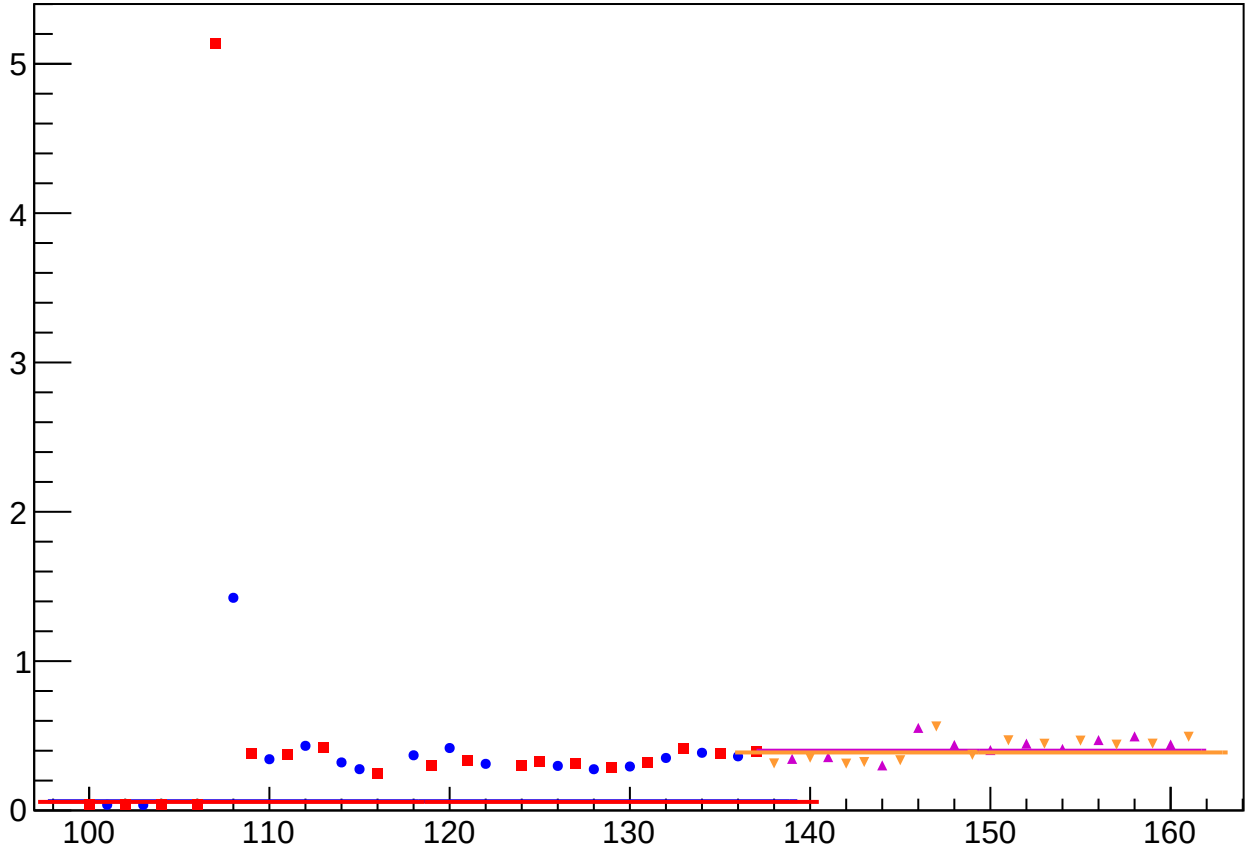
Left In: 136.965+/-0.000 χ^2/NDF:201130550.3/10

+ sign 1668.707+/-0.000 χ^2/NDF: 31202594287317

All: 1702.951+/-0.000 χ^2/NDF: 6092342581

- sign 1733.049+/-0.000 χ^2/NDF: 29581128778047

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.388+/-0.000 χ^2/NDF:639545.8/12

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

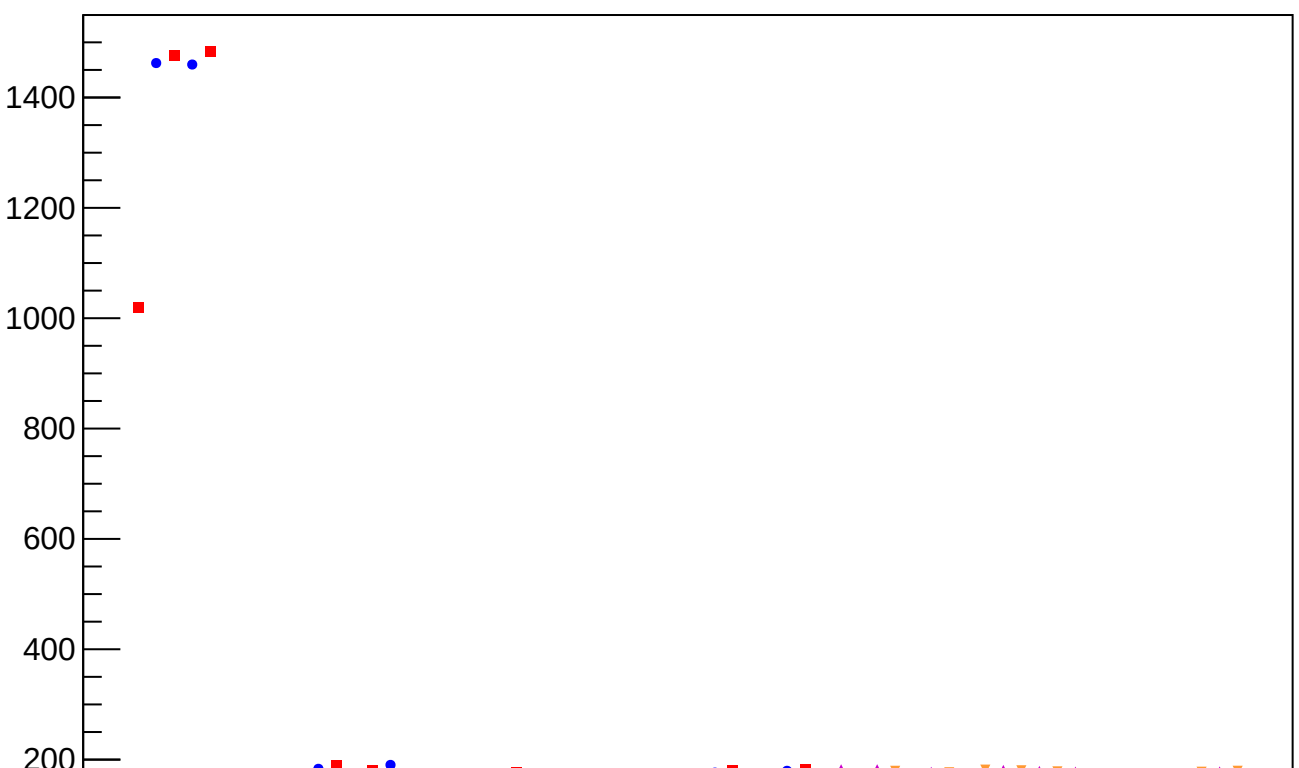
Left In: 0.400+/-0.000 χ^2/NDF:522680.9/10

+ sign 0.095+/-0.000 χ^2/NDF: 21043896.2/28

All: 0.089+/-0.000 χ^2/NDF: 41424934.7/58

- sign 0.084+/-0.000 χ^2/NDF: 20300075.7/29

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 174.112+/-0.000 χ^2/NDF:291892168.8/12

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

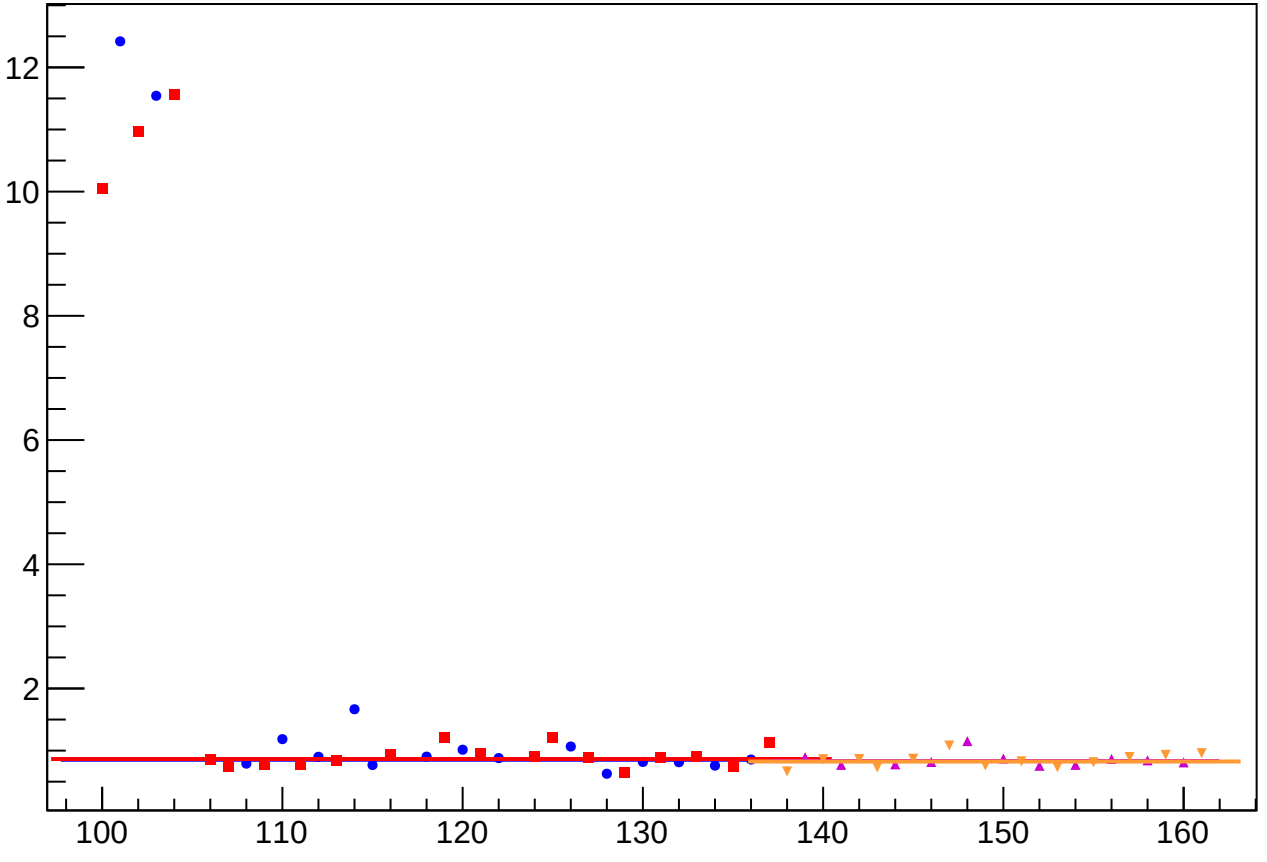
Left In: 174.444+/-0.000 χ^2/NDF:498413761.0/10

+ sign 171.516+/-0.000 χ^2/NDF: 15075926633.8/28

All: 171.951+/-0.000 χ^2/NDF: 31986450901.

- sign 172.405+/-0.000 χ^2/NDF: 16904926924.7/29

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.825+/-0.000 χ^2/NDF:197864.8/12

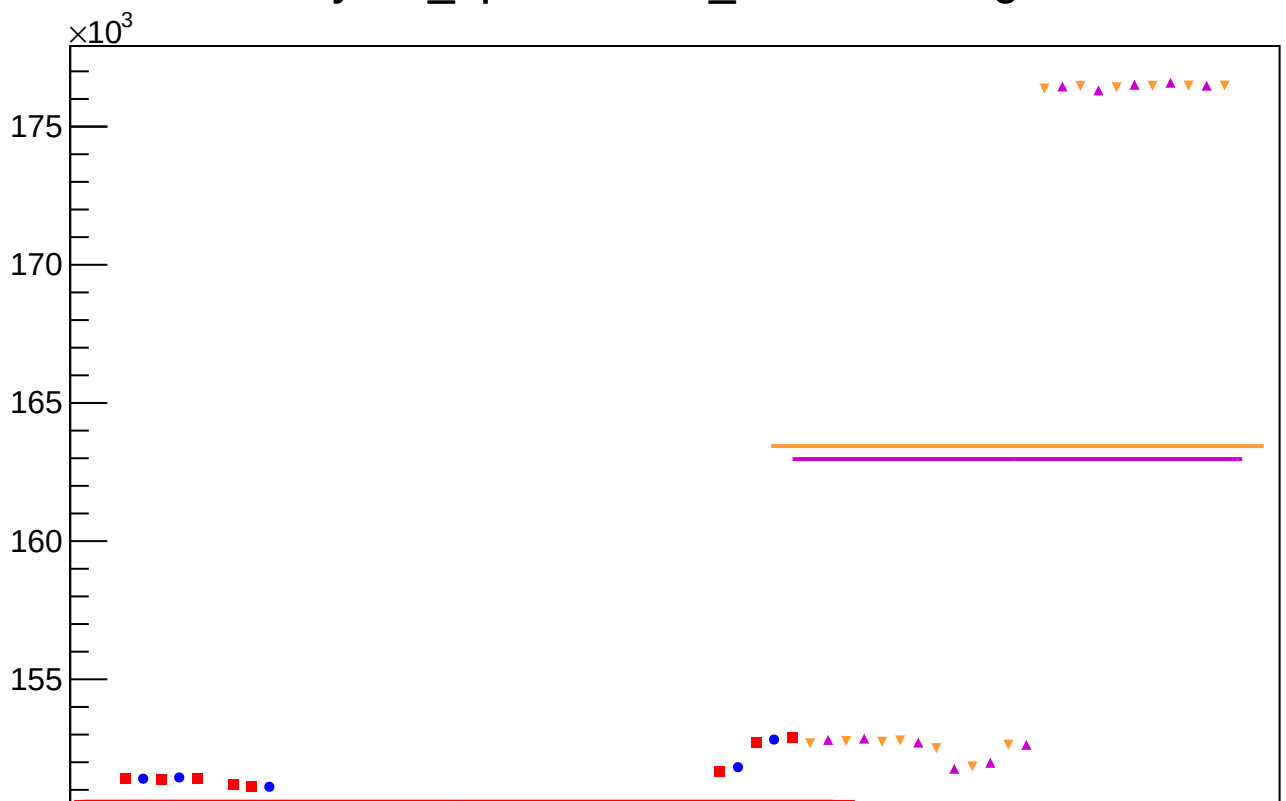
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.832+/-0.000 χ^2/NDF:132070.8/10

+ sign 0.835+/-0.000 χ^2/NDF: 2505545.1/28

All: 0.840+/-0.000 χ^2/NDF: 4855170.1/58

- sign 0.844+/-0.000 χ^2/NDF: 2348357.7/29



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 163440.126+/-0.057 χ^2/NDF:44214809147.6/12

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

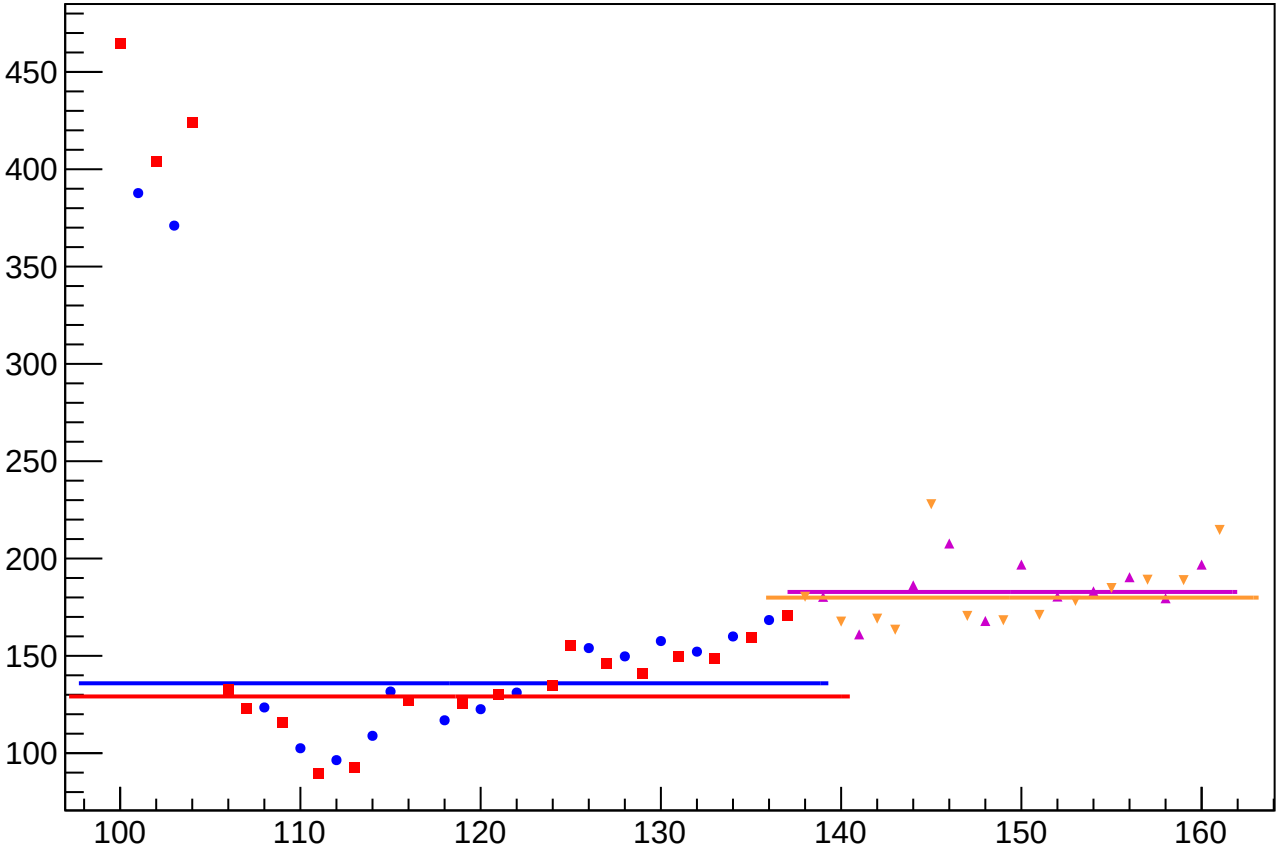
Left In: 162970.434+/-0.060 χ^2/NDF:39636251368.7/10

+ sign 156774.737+/-0.039 χ^2/NDF: 71237081863.

All: 156274.647+/-0.028 χ^2/NDF: 13633943

- sign 155787.450+/-0.039 χ^2/NDF: 64782651990.6

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 179.916+/-0.040 χ^2/NDF:169356.3/12

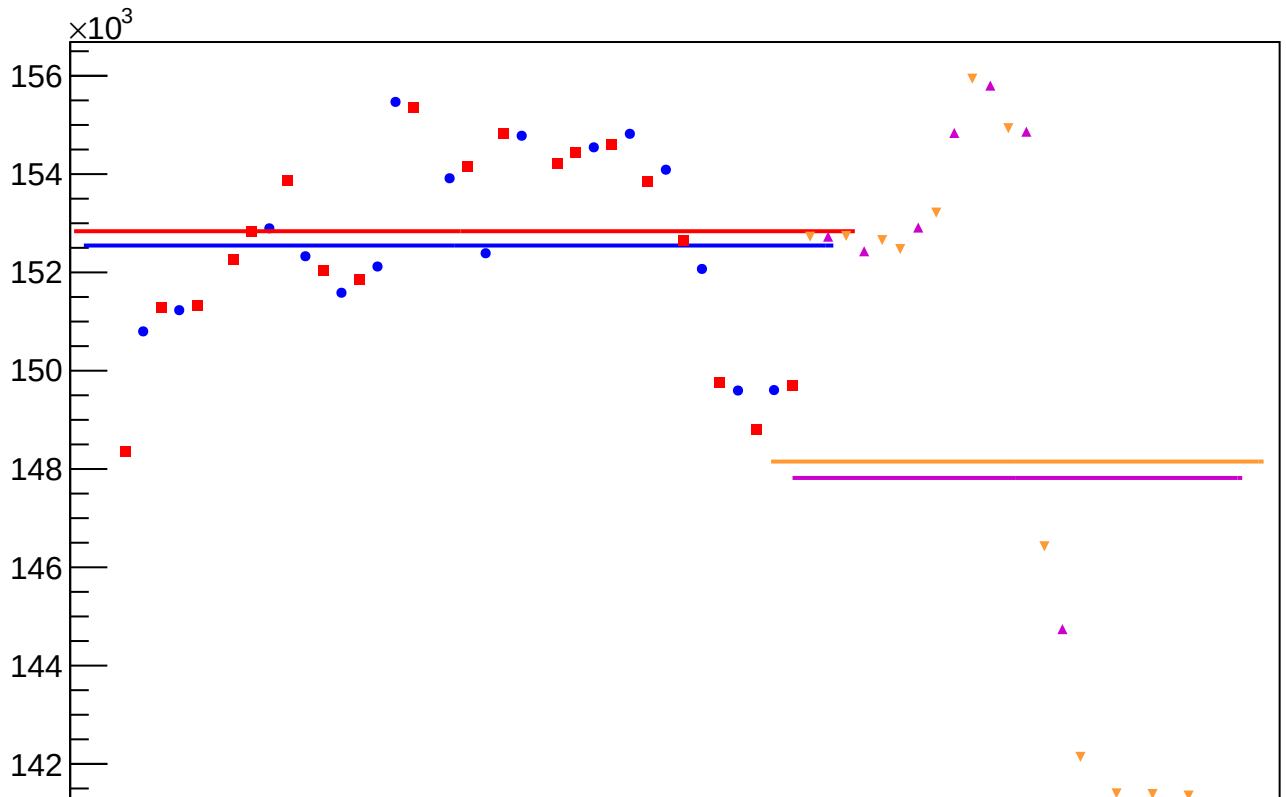
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 182.829+/-0.042 χ^2/NDF:91904.6/10

+ sign 157.121+/-0.028 χ^2/NDF: 2212254.6/28

All: 154.398+/-0.020 χ^2/NDF: 4871849.4/58

- sign 151.745+/-0.027 χ^2/NDF: 2640636.6/29



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 148151.531+/-0.063 χ^2/NDF:8145234778.8/12

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

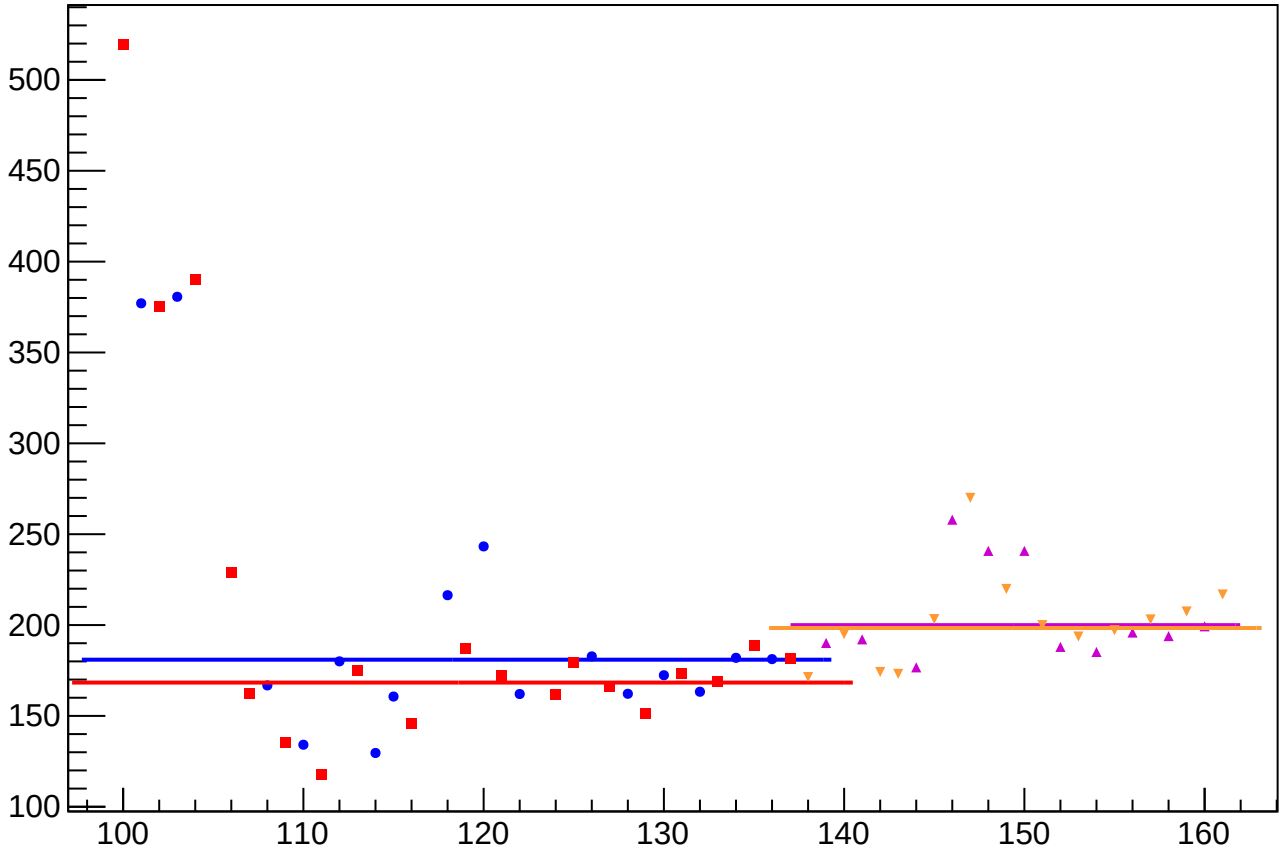
Left In: 147818.174+/-0.066 χ^2/NDF:8392476142.3/10

+ sign 150029.915+/-0.047 χ^2/NDF: 10897844102.

All: 150165.049+/-0.033 χ^2/NDF: 22913996

- sign 150296.618+/-0.047 χ^2/NDF: 12000158644.0

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 198.374+/-0.044 χ^2/NDF:236935.0/12

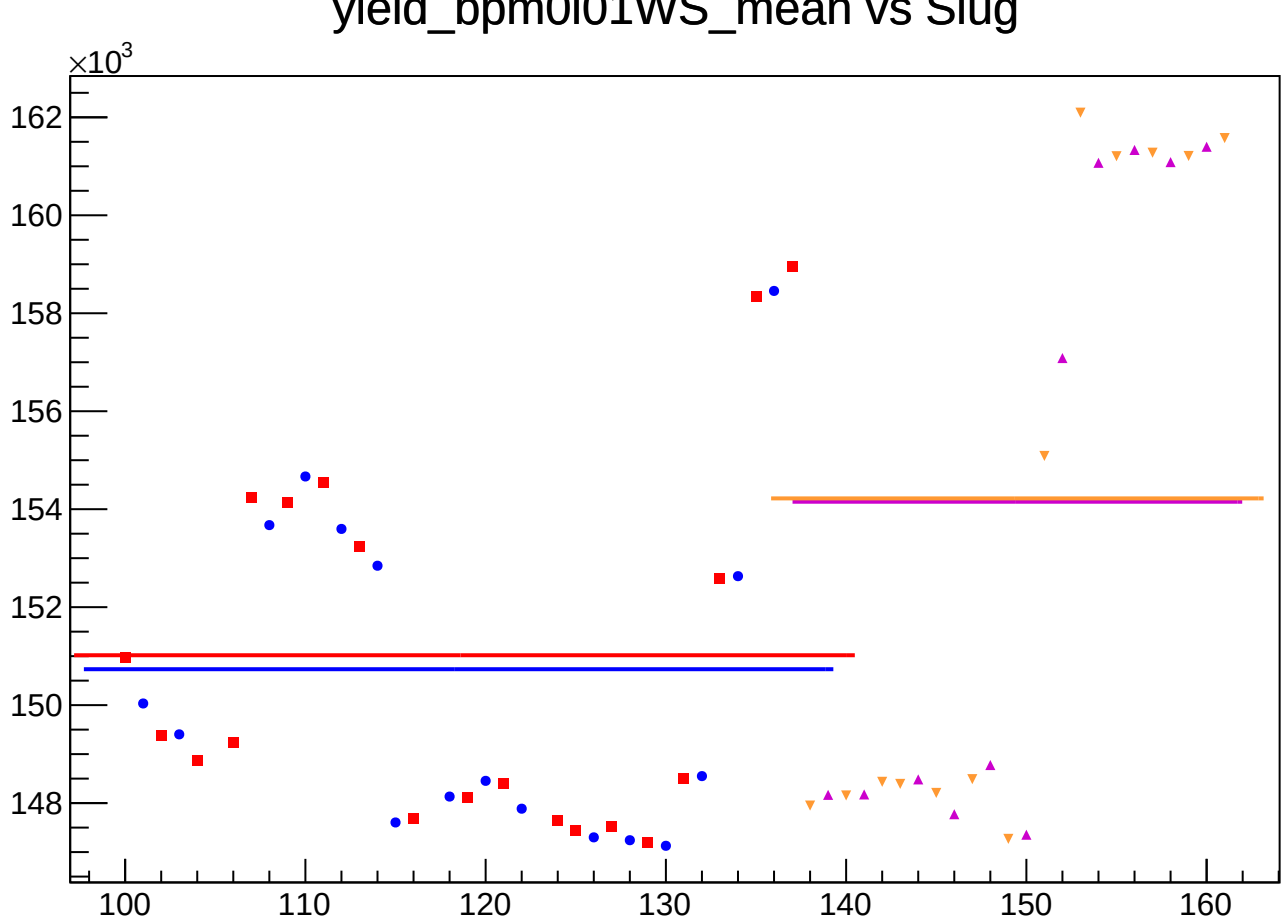
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 199.958+/-0.047 χ^2/NDF:244301.3/10

+ sign 190.923+/-0.034 χ^2/NDF: 1210719.0/28

All: 187.593+/-0.024 χ^2/NDF: 2791196.2/58

- sign 184.352+/-0.033 χ^2/NDF: 1561059.9/29



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 154220.437+/-0.060 χ^2/NDF:11214009804.9/12

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

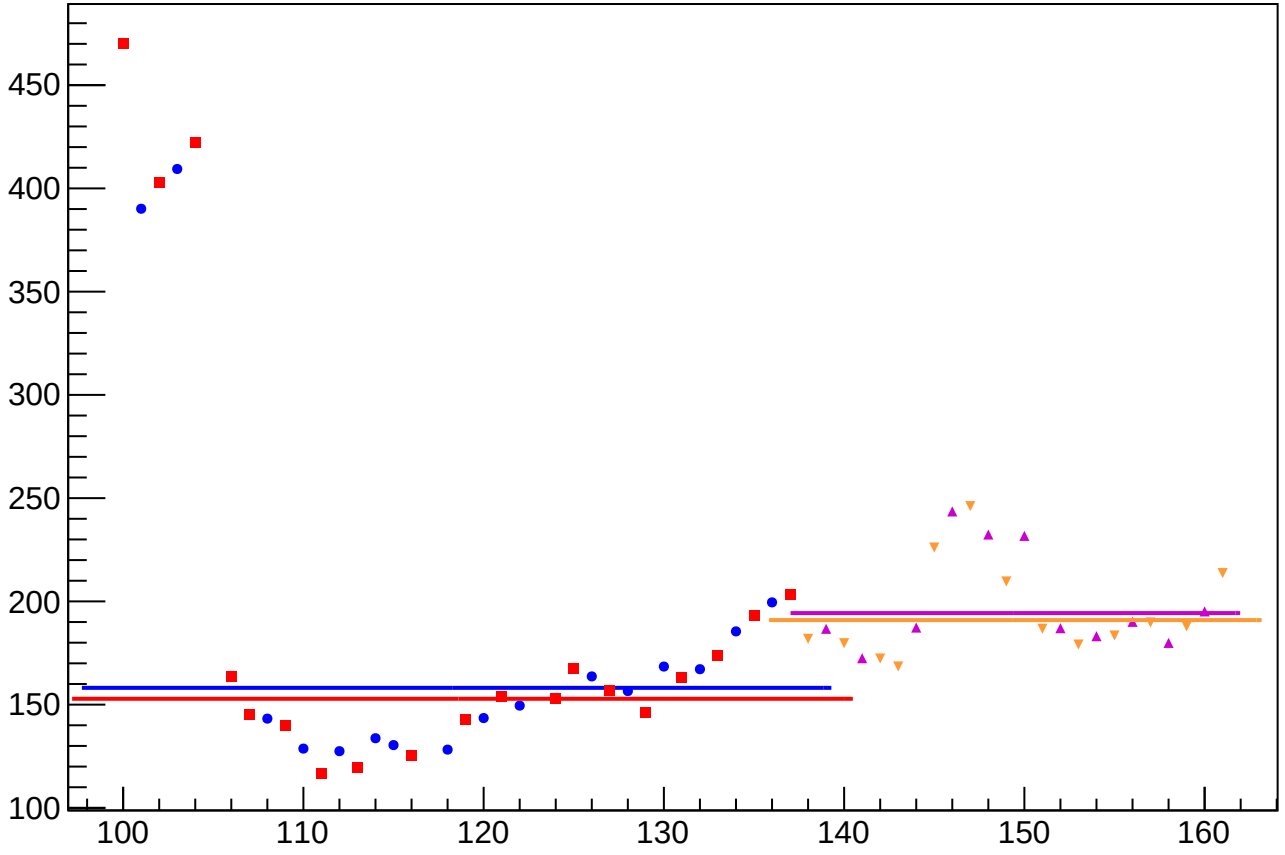
Left In: 154152.591+/-0.064 χ^2/NDF:9547949795.0/10

+ sign 152554.758+/-0.043 χ^2/NDF: 16103337467.

All: 152523.609+/-0.031 χ^2/NDF: 30218729

- sign 152492.113+/-0.044 χ^2/NDF: 14114602941.2

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 190.940+/-0.043 χ^2/NDF:212509.2/12

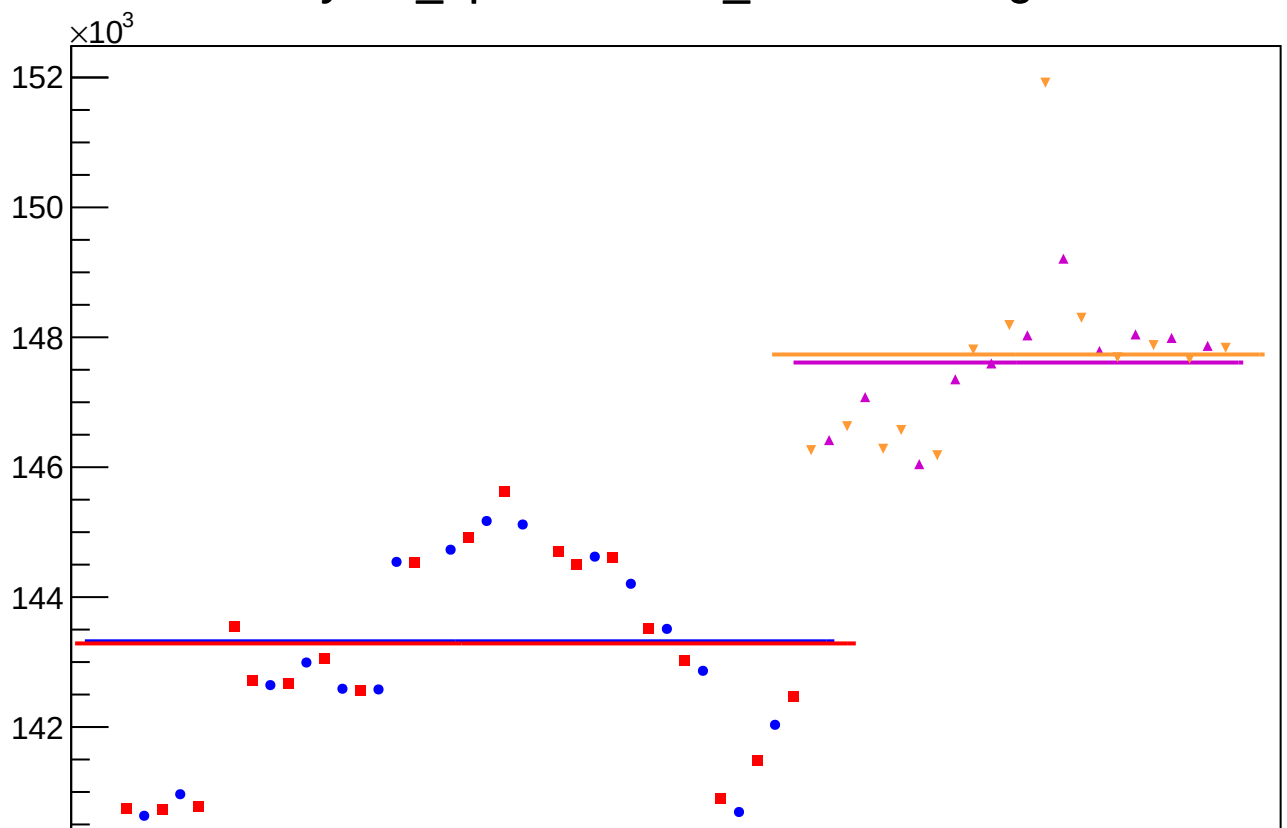
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 194.343+/-0.045 χ^2/NDF:216948.4/10

+ sign 175.271+/-0.031 χ^2/NDF: 1692325.0/28

All: 173.821+/-0.022 χ^2/NDF: 3627079.2/58

- sign 172.355+/-0.031 χ^2/NDF: 1930278.3/29



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147735.428+/-0.057 χ^2/NDF:669661957.1/12

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

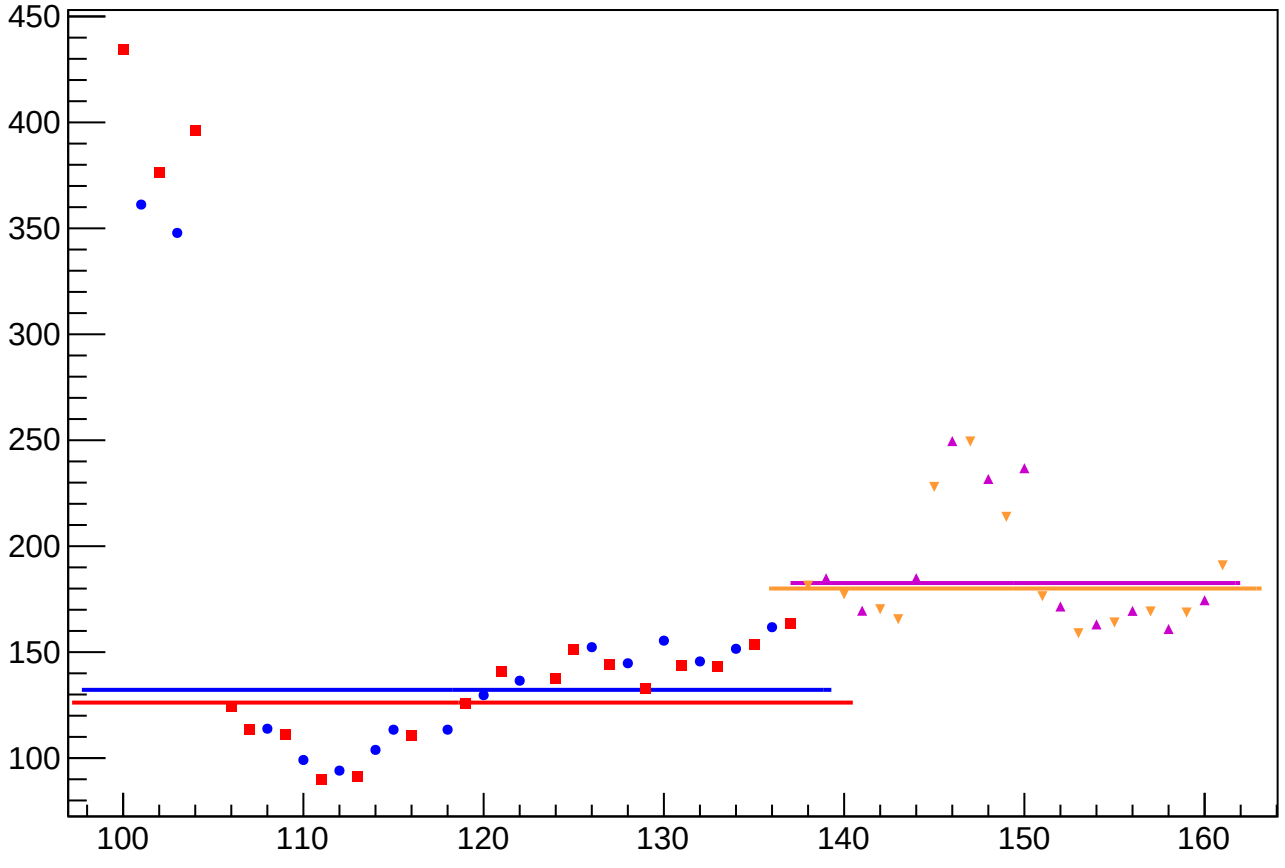
Left In: 147611.520+/-0.060 χ^2/NDF:196736462.6/10

+ sign 145375.854+/-0.039 χ^2/NDF: 4446227652.4

All: 145205.354+/-0.027 χ^2/NDF: 83684641

- sign 145039.194+/-0.038 χ^2/NDF: 3884173593.1/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 180.025+/-0.040 χ^2/NDF:318593.9/12

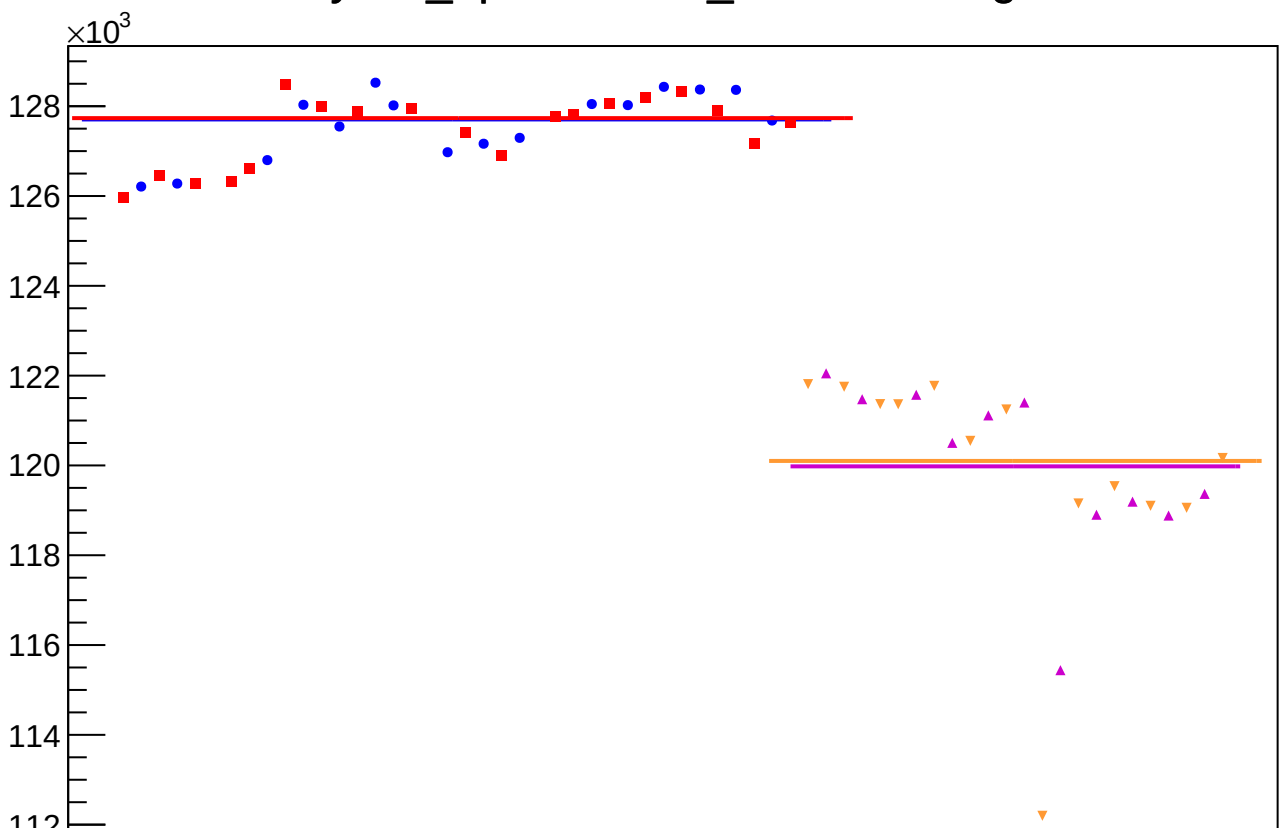
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 182.614+/-0.043 χ^2/NDF:380054.8/10

+ sign 154.472+/-0.027 χ^2/NDF: 2452387.3/28

All: 151.727+/-0.019 χ^2/NDF: 5441341.8/58

- sign 149.053+/-0.027 χ^2/NDF: 2969230.5/29



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120100.171+/-0.056 χ^2/NDF:1751149370.6/12

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

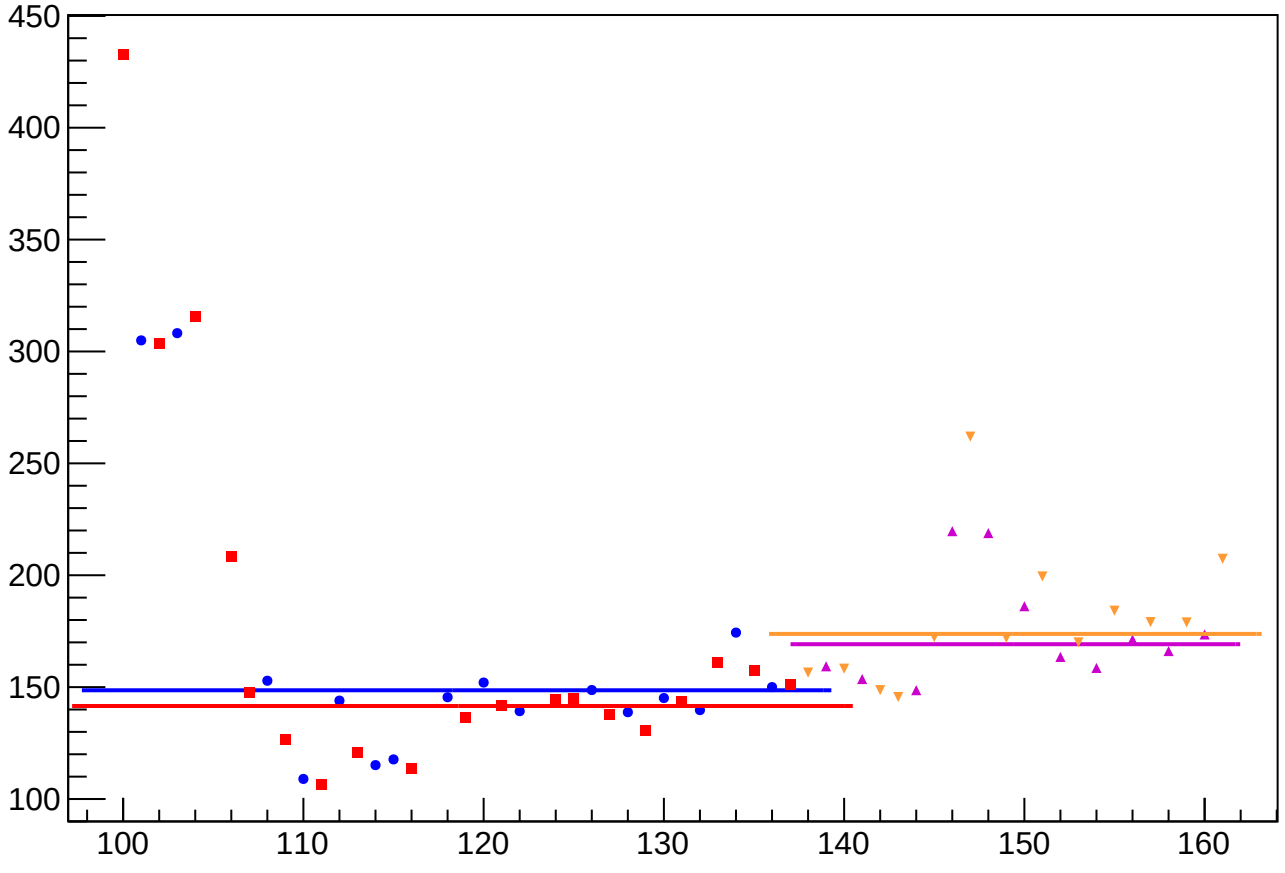
Left In: 119979.107+/-0.056 χ^2/NDF:1143818556.2/10

+ sign 123708.156+/-0.040 χ^2/NDF: 10763549051.

All: 123823.266+/-0.028 χ^2/NDF: 21811069

- sign 123932.564+/-0.039 χ^2/NDF: 11031564865.2

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 173.780+/-0.039 χ^2/NDF:378043.3/12

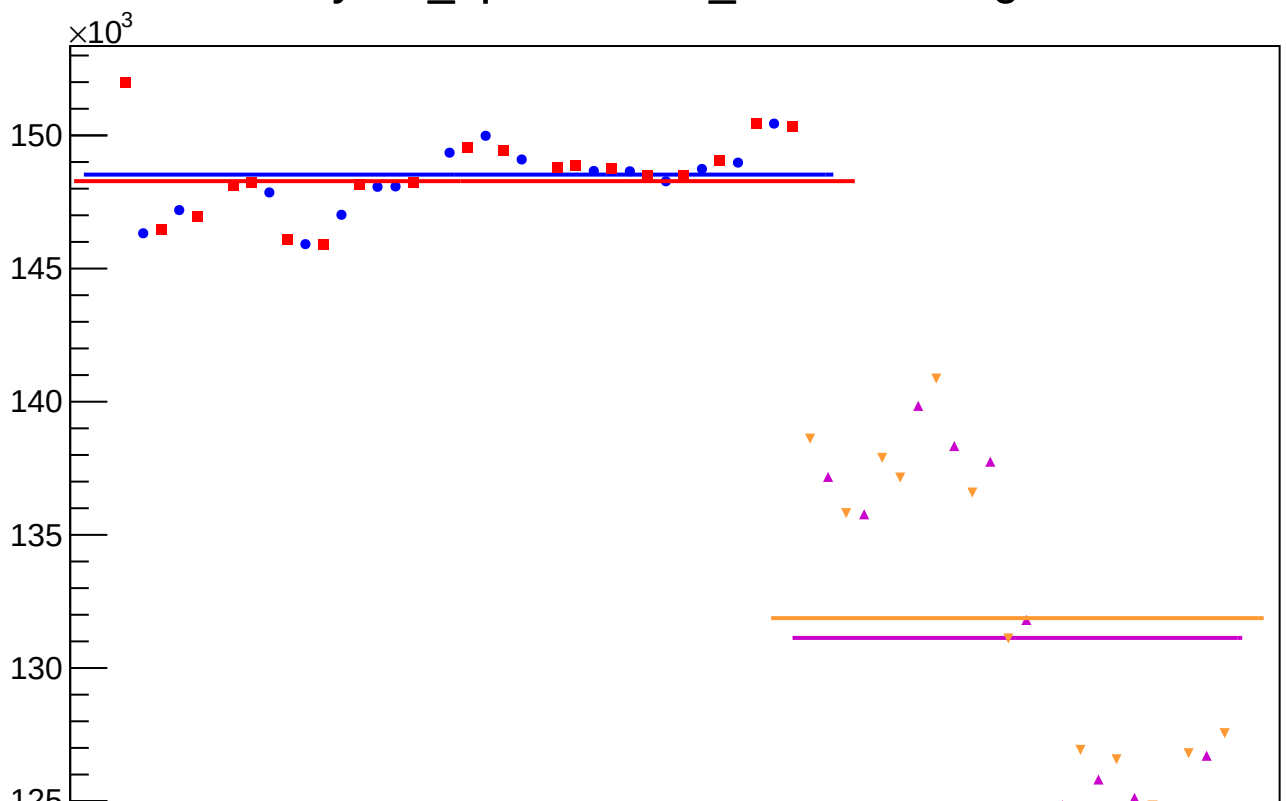
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 169.182+/-0.040 χ^2/NDF:257270.5/10

+ sign 161.831+/-0.028 χ^2/NDF: 1401157.8/28

All: 158.380+/-0.020 χ^2/NDF: 2936355.7/58

- sign 155.103+/-0.028 χ^2/NDF: 1506511.3/29



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 131873.510+/-0.080 χ^2/NDF:4855151996.3/12

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

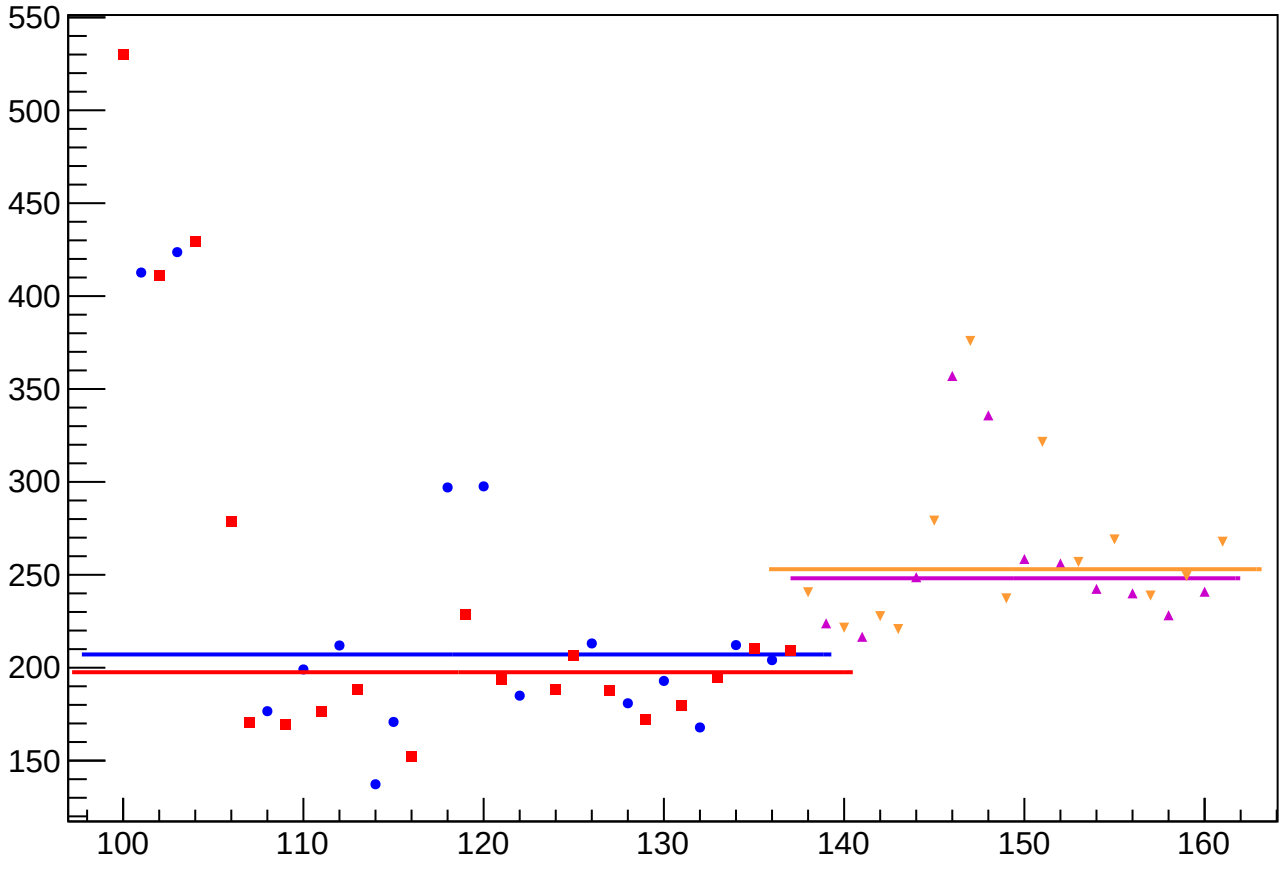
Left In: 131130.553+/-0.082 χ^2/NDF:5221708324.5/10

+ sign 140028.070+/-0.057 χ^2/NDF: 26147137702.

All: 140154.213+/-0.040 χ^2/NDF: 55077171

- sign 140274.255+/-0.056 χ^2/NDF: 28920587416.5

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 253.017+/-0.057 χ^2/NDF:367084.8/12

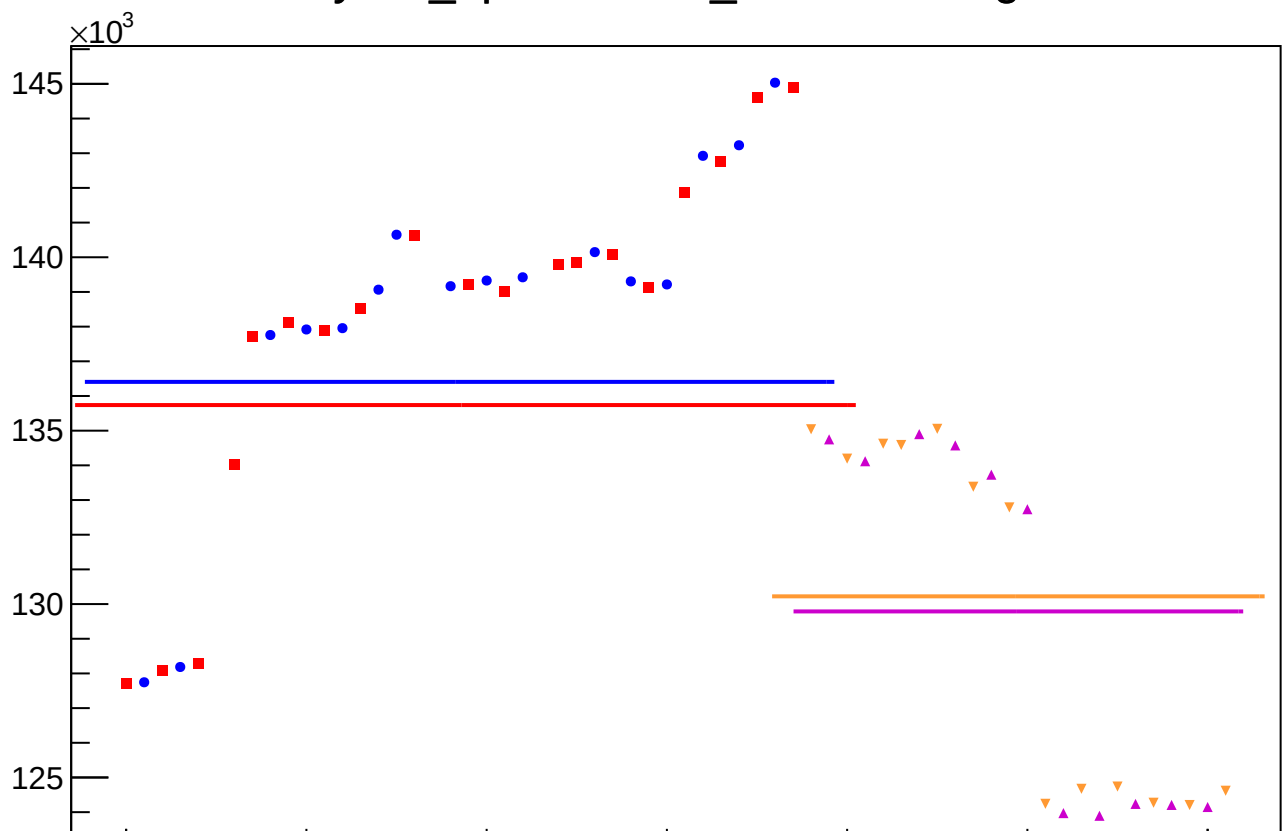
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 248.131+/-0.058 χ^2/NDF:351033.3/10

+ sign 230.551+/-0.041 χ^2/NDF: 1659336.9/28

All: 225.748+/-0.028 χ^2/NDF: 3348527.3/58

- sign 221.177+/-0.040 χ^2/NDF: 1661796.8/29



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 130222.847+/-0.186 χ^2/NDF:709582963.5/12

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

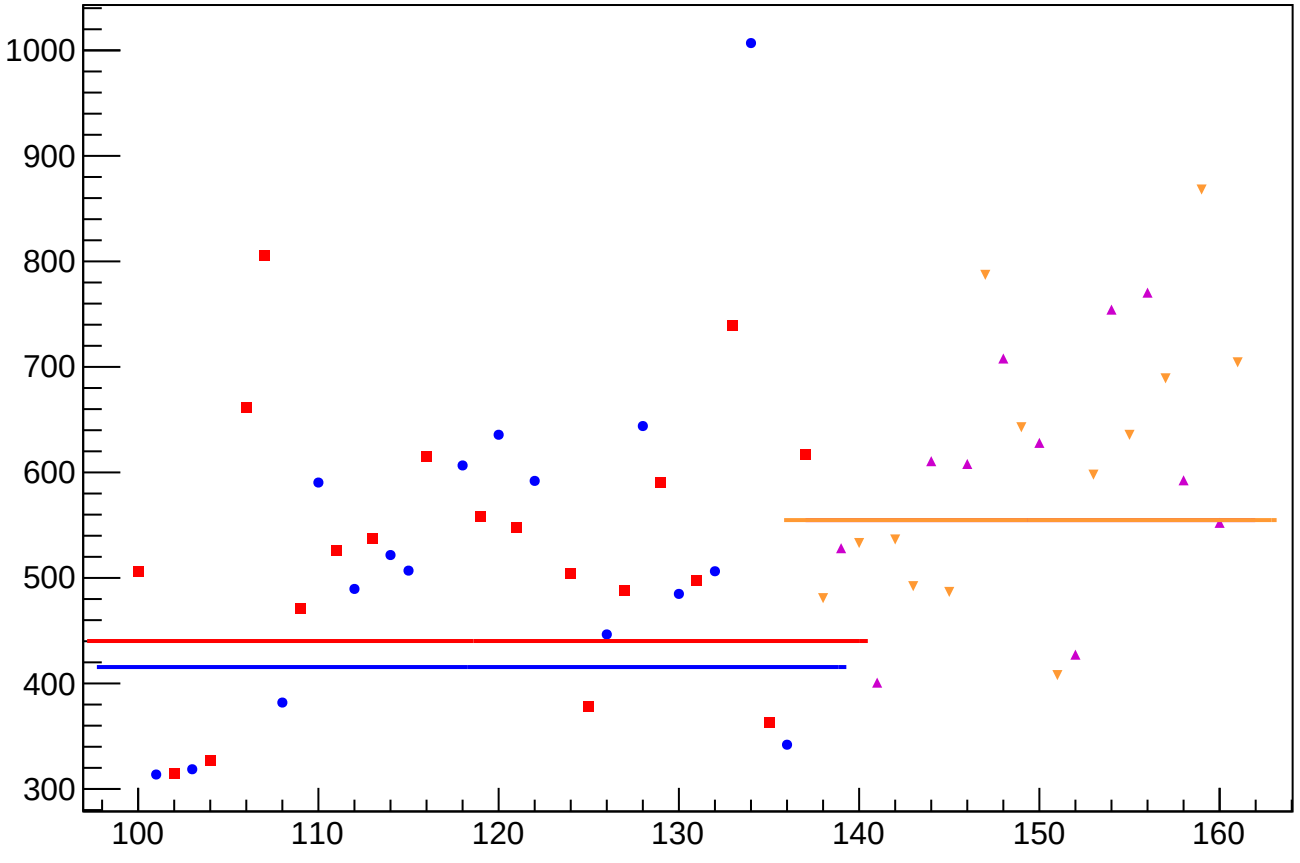
Left In: 129787.958+/-0.198 χ^2/NDF:648001998.4/10

+ sign 133619.928+/-0.125 χ^2/NDF: 2893138596.4

All: 133374.238+/-0.091 χ^2/NDF: 52262826

- sign 133100.746+/-0.132 χ^2/NDF: 2324972831.1/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 554.823+/-0.132 χ^2/NDF:773446.3/12

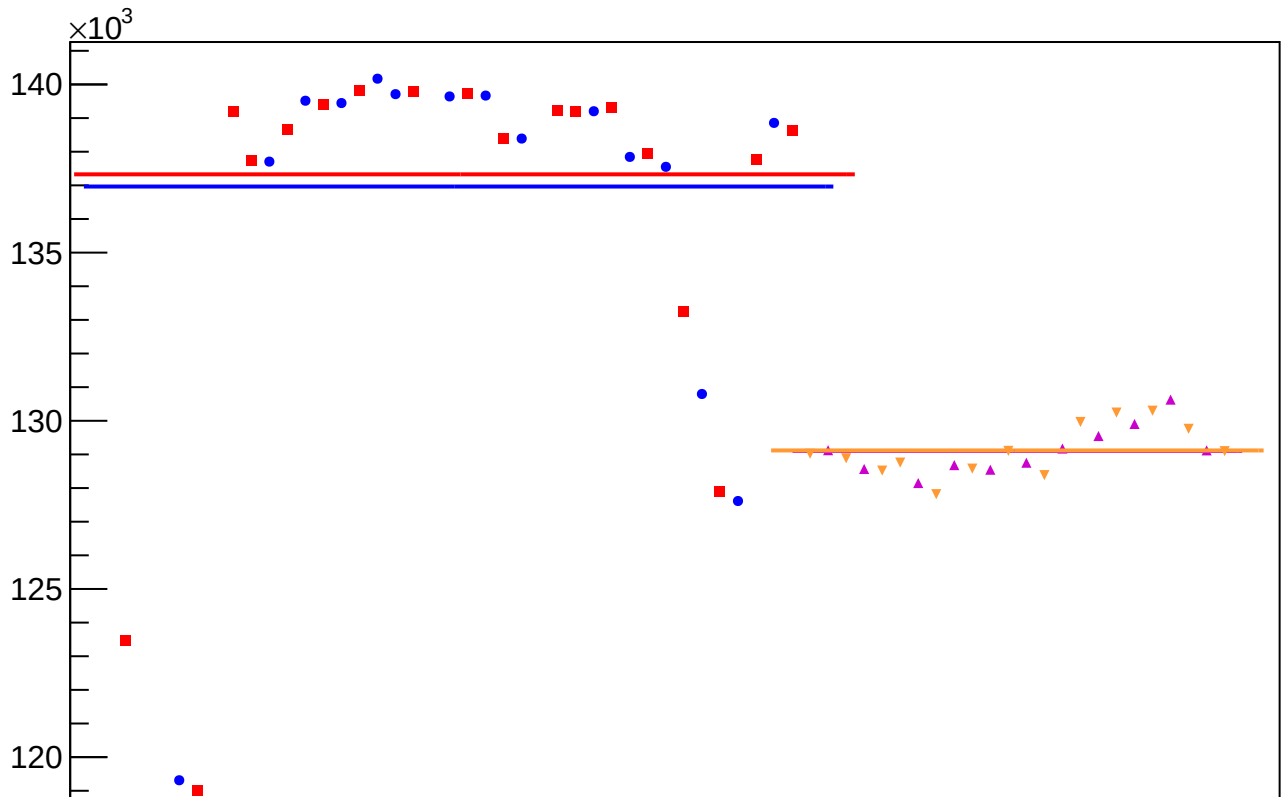
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 554.811+/-0.140 χ^2/NDF:674747.1/10

+ sign 478.315+/-0.088 χ^2/NDF: 2420294.5/28

All: 484.324+/-0.064 χ^2/NDF: 4388586.9/58

- sign 491.014+/-0.093 χ^2/NDF: 1958516.0/29



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129118.452+/-0.059 χ^2/NDF:145607361.1/12

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

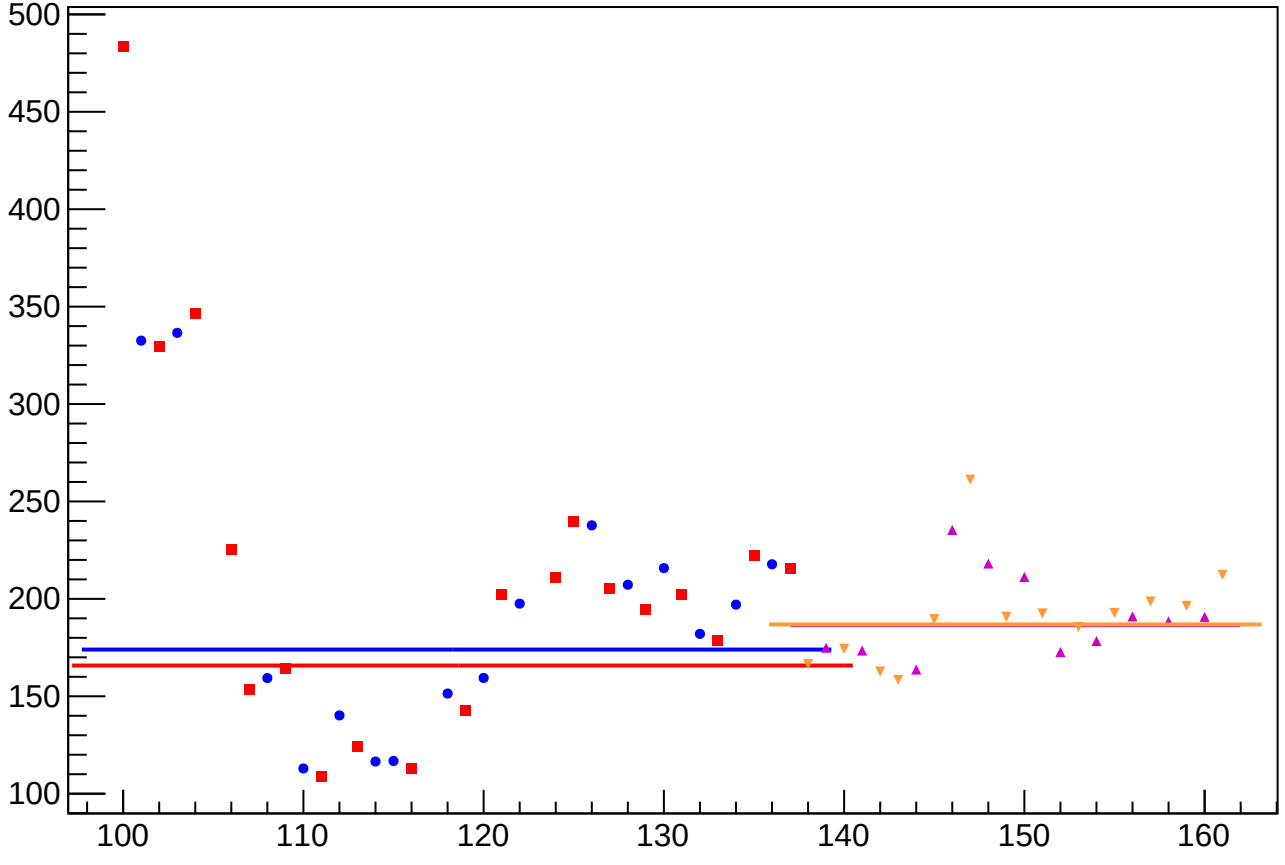
Left In: 129102.009+/-0.061 χ^2/NDF:125040839.5/10

+ sign 132406.636+/-0.045 χ^2/NDF: 13309944992.

All: 132675.453+/-0.032 χ^2/NDF: 27620936

- sign 132940.651+/-0.045 χ^2/NDF: 14240534671.7

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 186.871+/-0.042 χ^2/NDF:270322.3/12

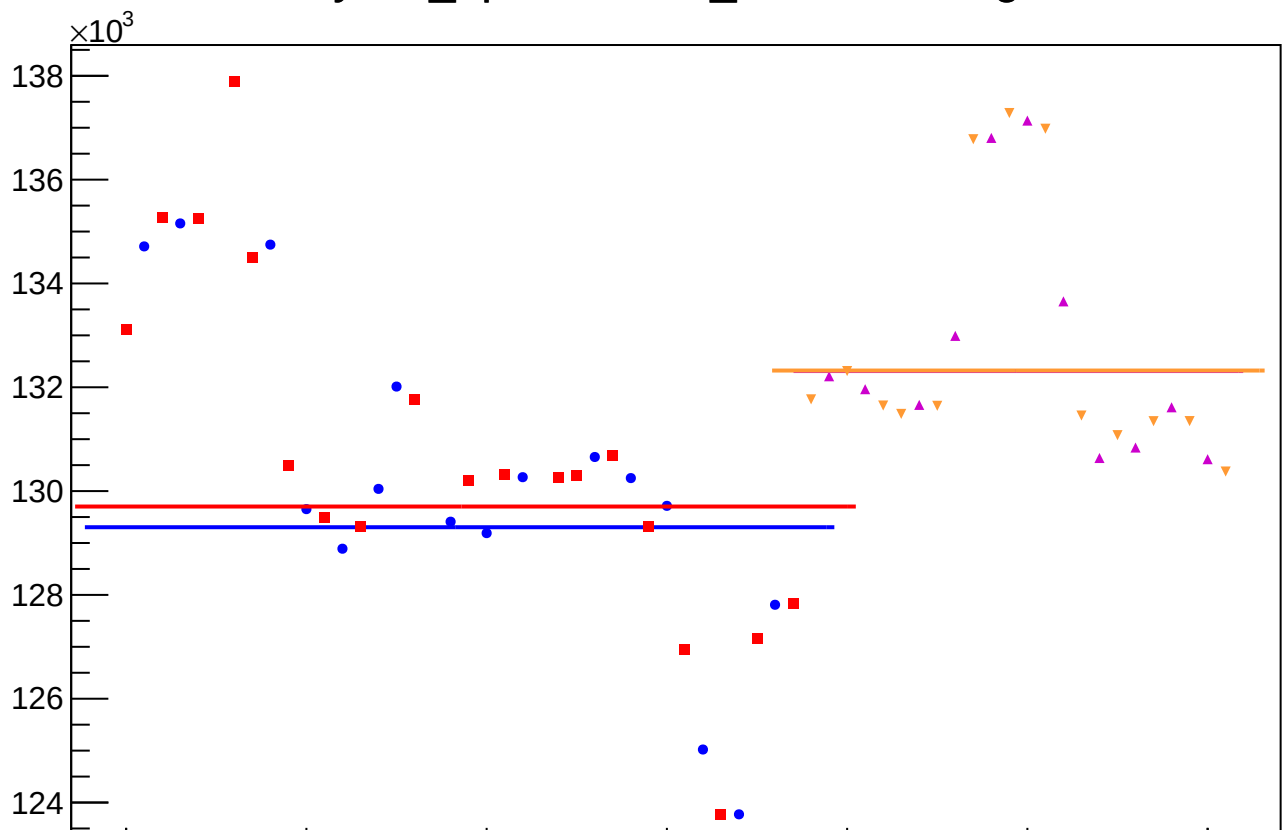
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 186.510+/-0.043 χ^2/NDF:201488.4/10

+ sign 181.470+/-0.032 χ^2/NDF: 1498517.5/28

All: 179.137+/-0.022 χ^2/NDF: 3250197.6/58

- sign 176.836+/-0.032 χ^2/NDF: 1741070.8/29



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132322.405+/-0.060 χ^2/NDF:1159240788.8/12

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

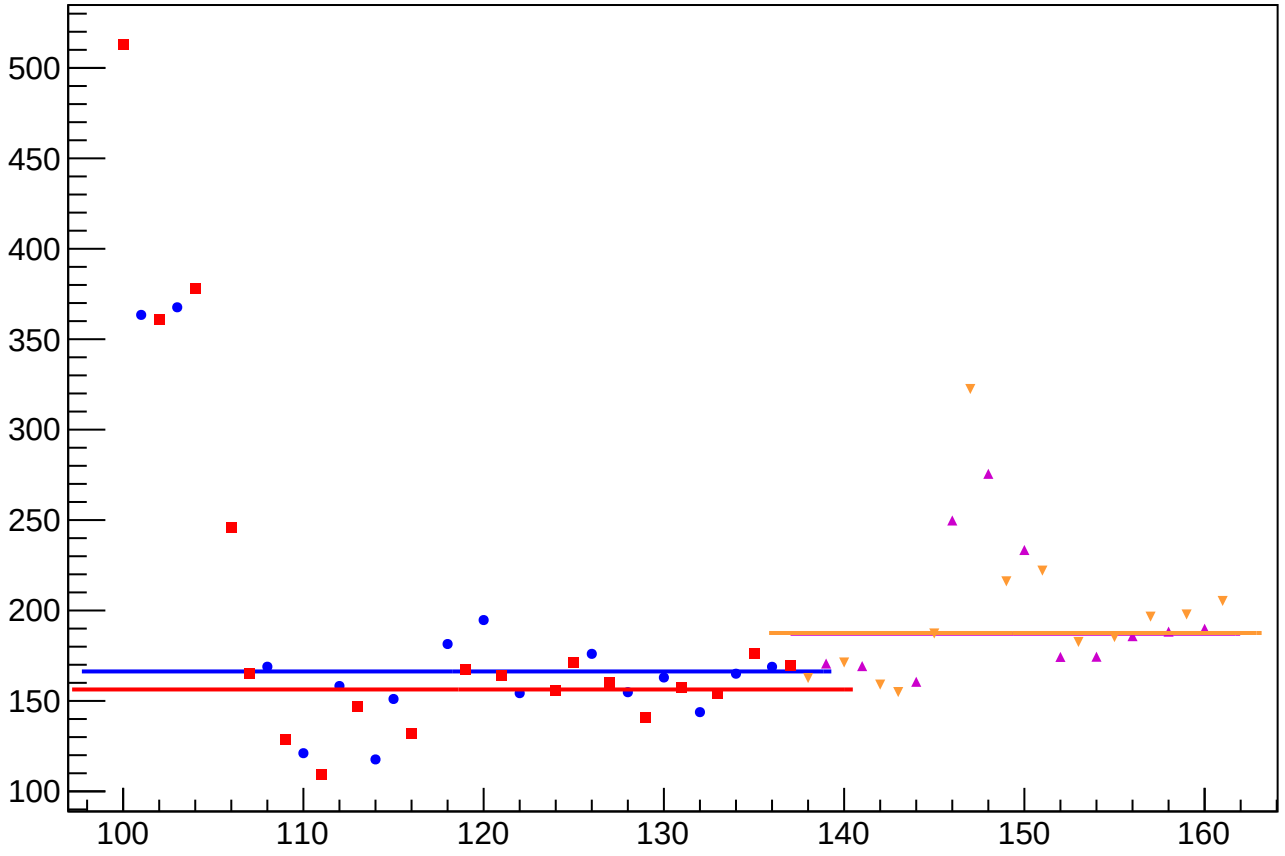
Left In: 132312.575+/-0.062 χ^2/NDF:871540437.6/10

+ sign 130961.903+/-0.044 χ^2/NDF: 3951435101.6

All: 130979.377+/-0.031 χ^2/NDF: 74925122

- sign 130996.274+/-0.044 χ^2/NDF: 3540773045.9/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 187.567+/-0.042 χ^2/NDF:521621.8/12

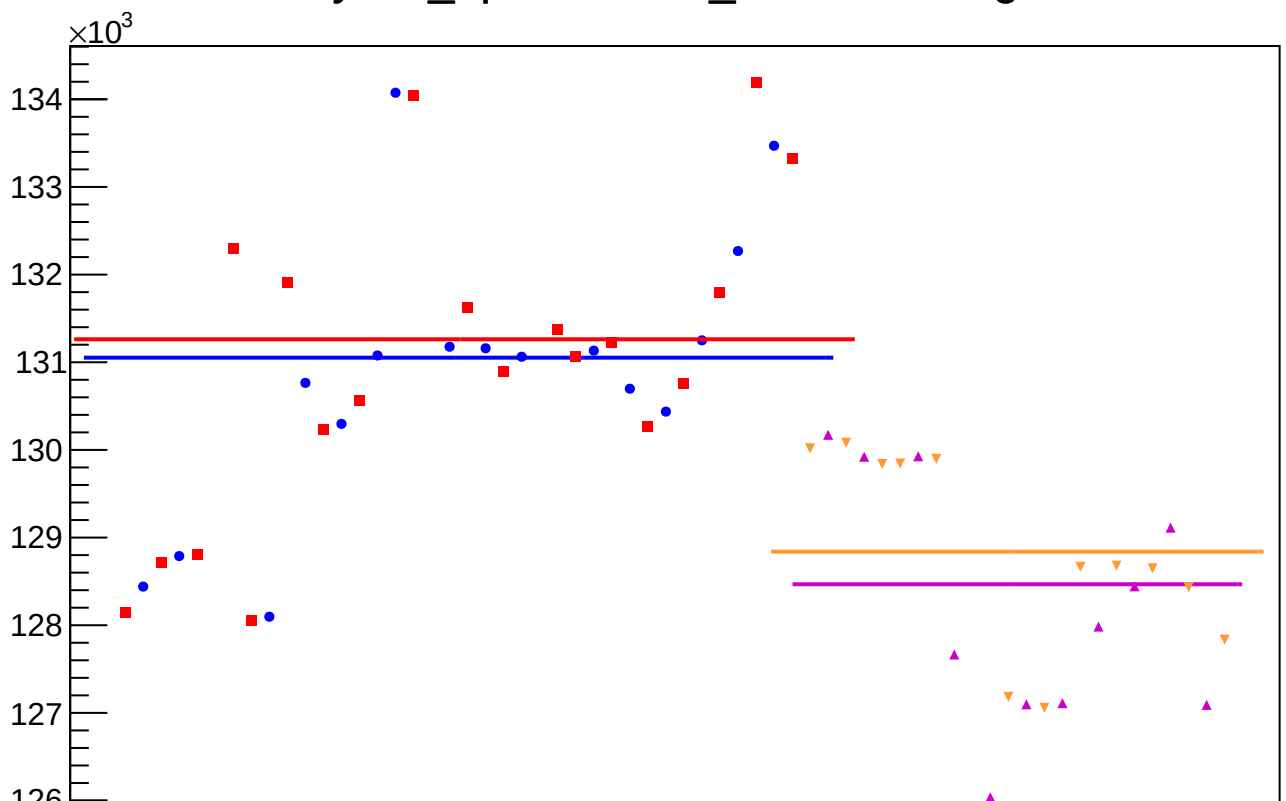
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 187.139+/-0.044 χ^2/NDF:447273.7/10

+ sign 177.983+/-0.031 χ^2/NDF: 1572914.7/28

All: 174.739+/-0.022 χ^2/NDF: 3462354.1/58

- sign 171.603+/-0.031 χ^2/NDF: 1868493.0/29



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128840.085+/-0.057 χ^2/NDF:432248092.2/12

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

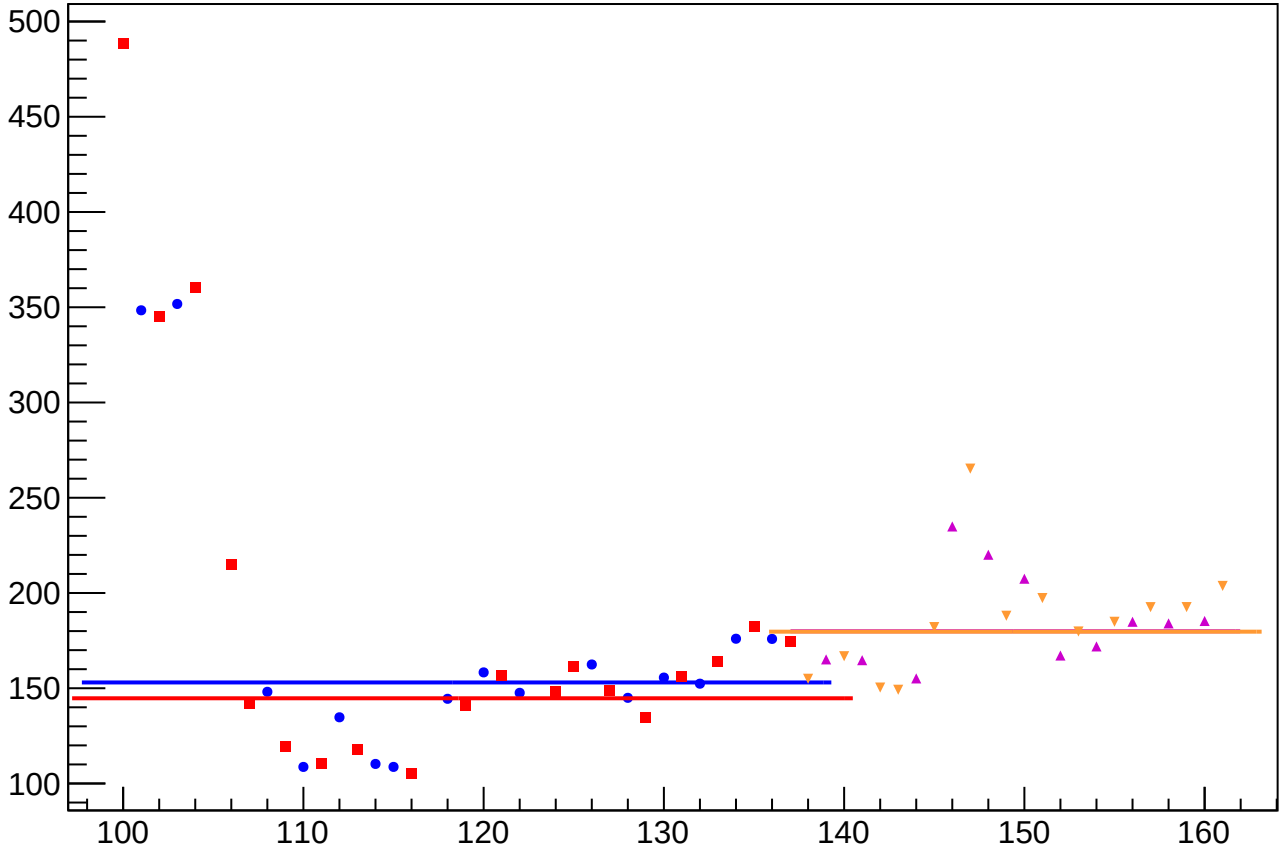
Left In: 128467.481+/-0.059 χ^2/NDF:500427872.5/10

+ sign 129879.389+/-0.042 χ^2/NDF: 1661690143.3

All: 129904.271+/-0.029 χ^2/NDF: 39280493

- sign 129928.447+/-0.041 χ^2/NDF: 2265652537.9/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 179.696+/-0.040 χ^2/NDF:372618.7/12

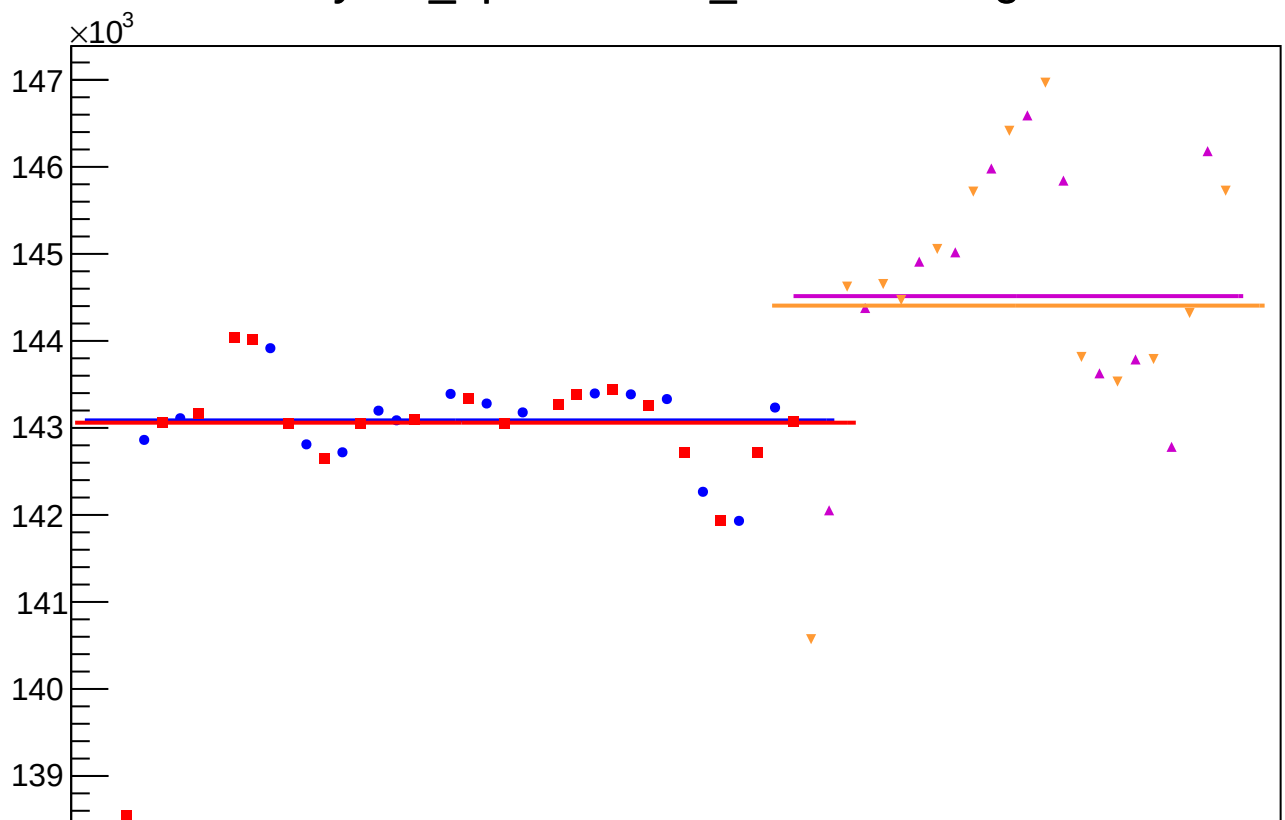
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 179.906+/-0.042 χ^2/NDF:271140.2/10

+ sign 167.175+/-0.029 χ^2/NDF: 1636950.8/28

All: 164.306+/-0.021 χ^2/NDF: 3558123.5/58

- sign 161.518+/-0.029 χ^2/NDF: 1902383.0/29



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144405.725+/-0.066 χ^2/NDF:594726905.1/12

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

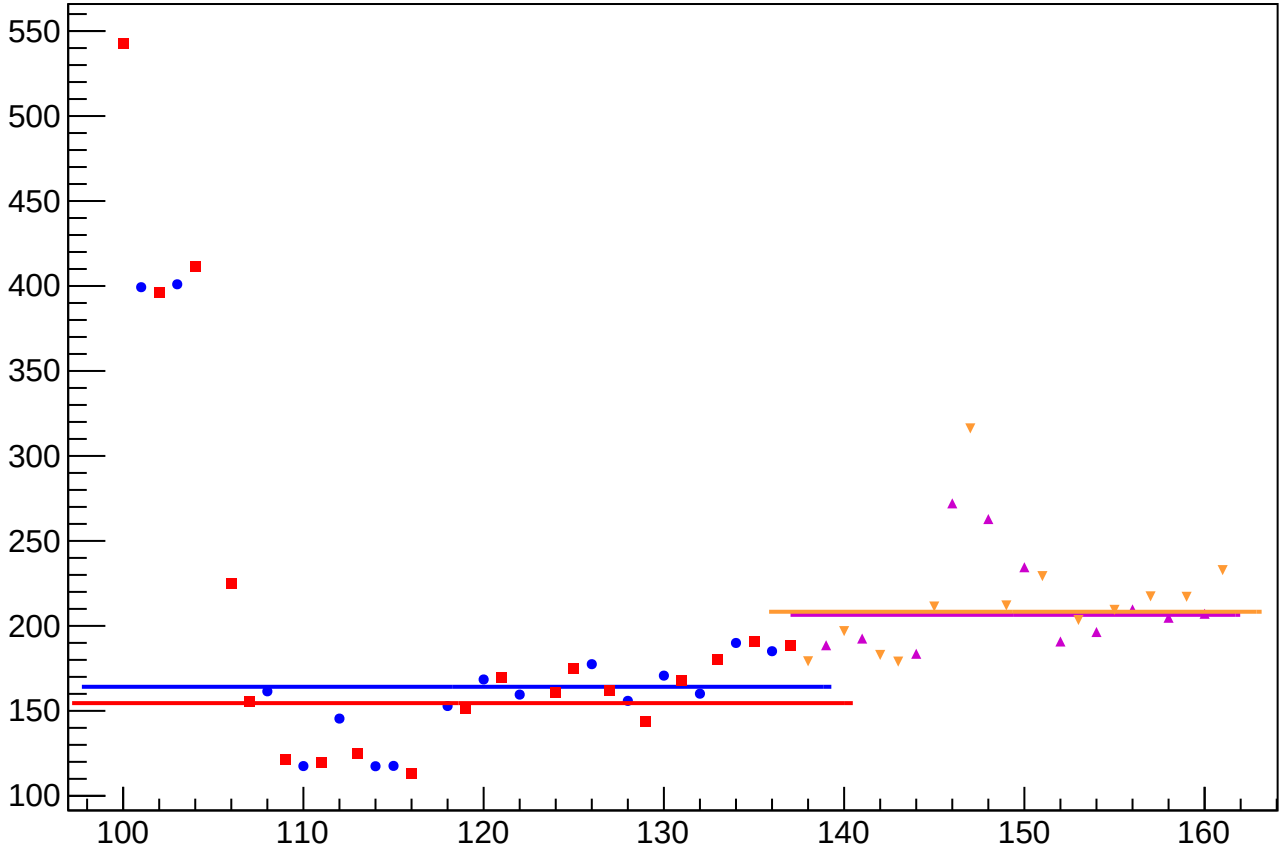
Left In: 144514.735+/-0.068 χ^2/NDF:427407552.4/10

+ sign 143734.366+/-0.046 χ^2/NDF: 843237778.4/2

All: 143718.510+/-0.032 χ^2/NDF: 15768465

- sign 143703.413+/-0.045 χ^2/NDF: 733381114.4/2

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 208.323+/-0.047 χ^2/NDF:333116.9/12

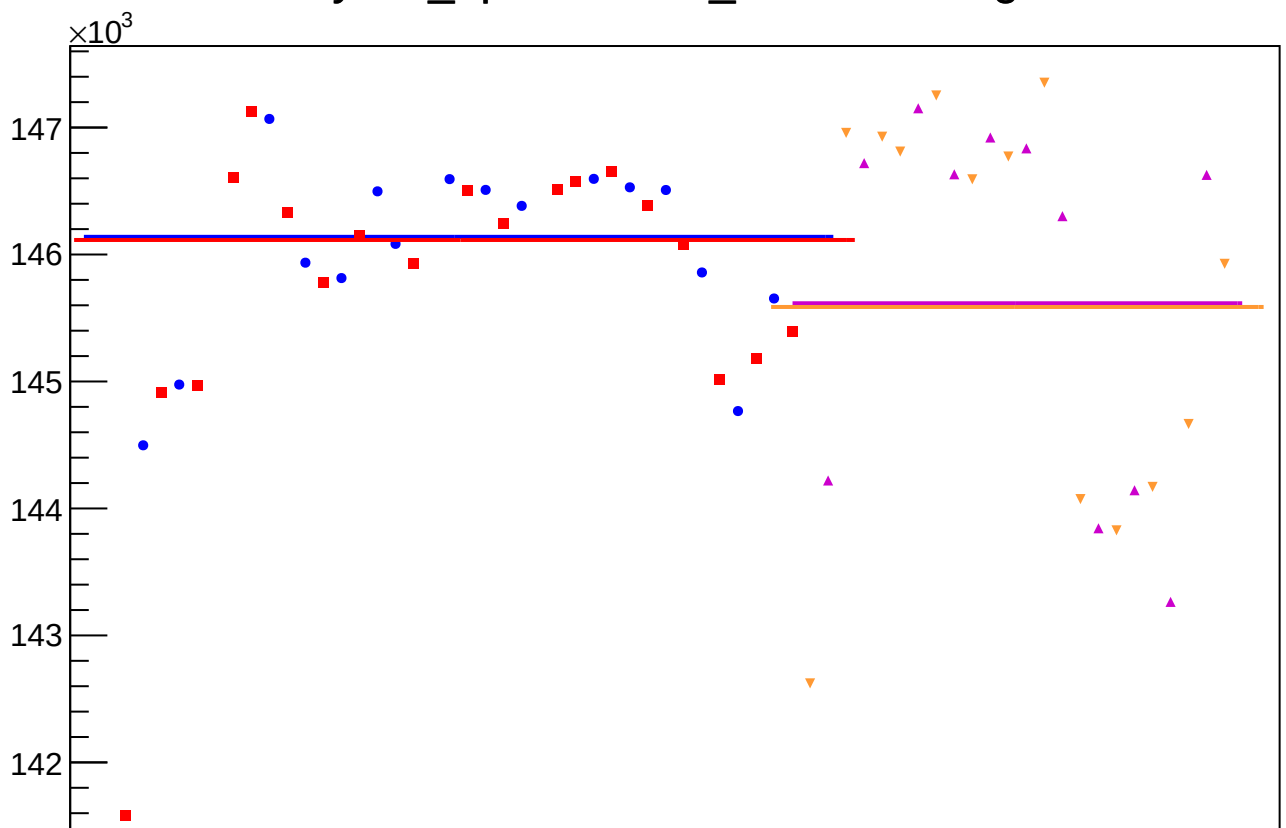
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 206.502+/-0.048 χ^2/NDF:269015.0/10

+ sign 185.852+/-0.033 χ^2/NDF: 1914993.7/28

All: 181.587+/-0.023 χ^2/NDF: 4232376.1/58

- sign 177.527+/-0.032 χ^2/NDF: 2284442.2/29



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145586.840+/-0.065 χ^2/NDF:594795590.4/12

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

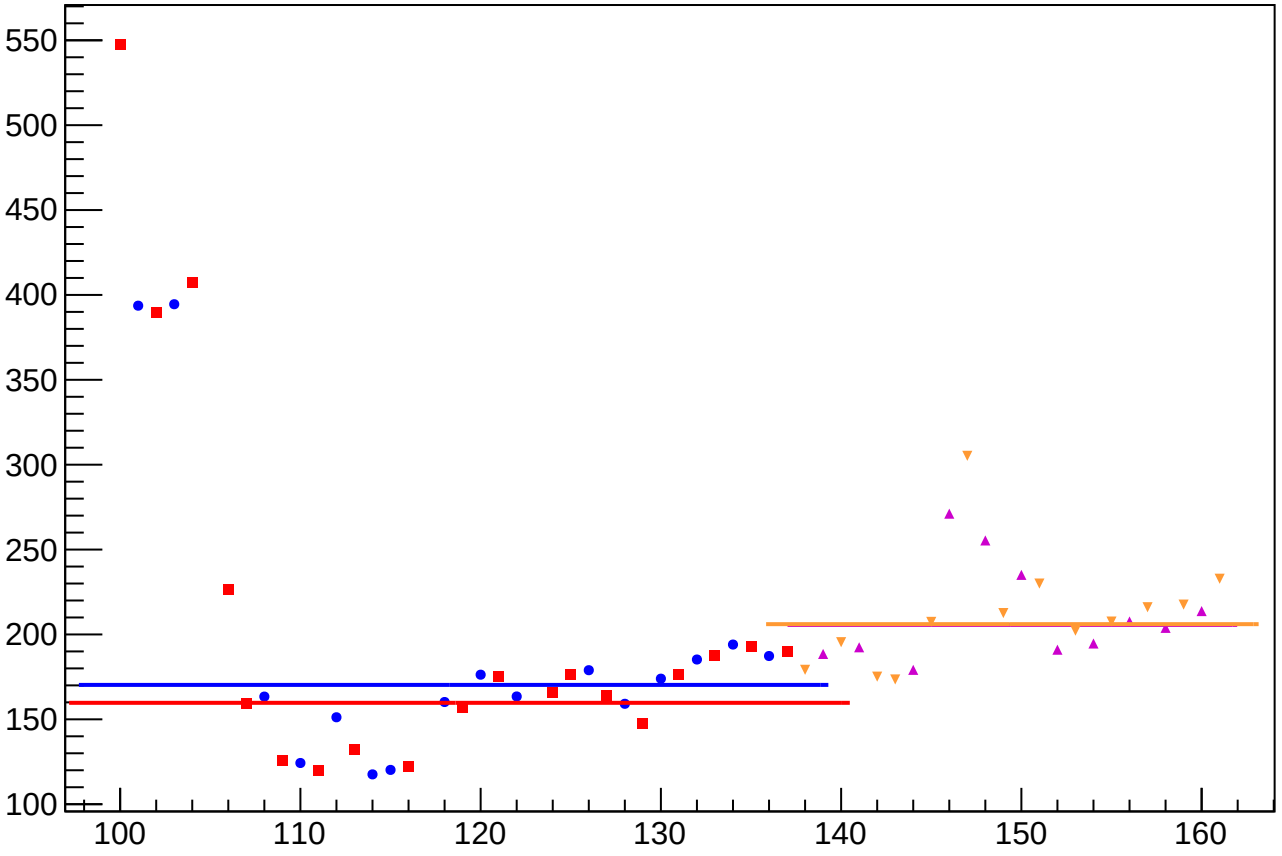
Left In: 145616.019+/-0.068 χ^2/NDF:451744737.5/10

+ sign 145855.114+/-0.047 χ^2/NDF: 701075147.4/2

All: 145870.769+/-0.033 χ^2/NDF: 12553400

- sign 145885.763+/-0.046 χ^2/NDF: 554047322.9/2

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 206.061+/-0.046 χ^2/NDF:343017.1/12

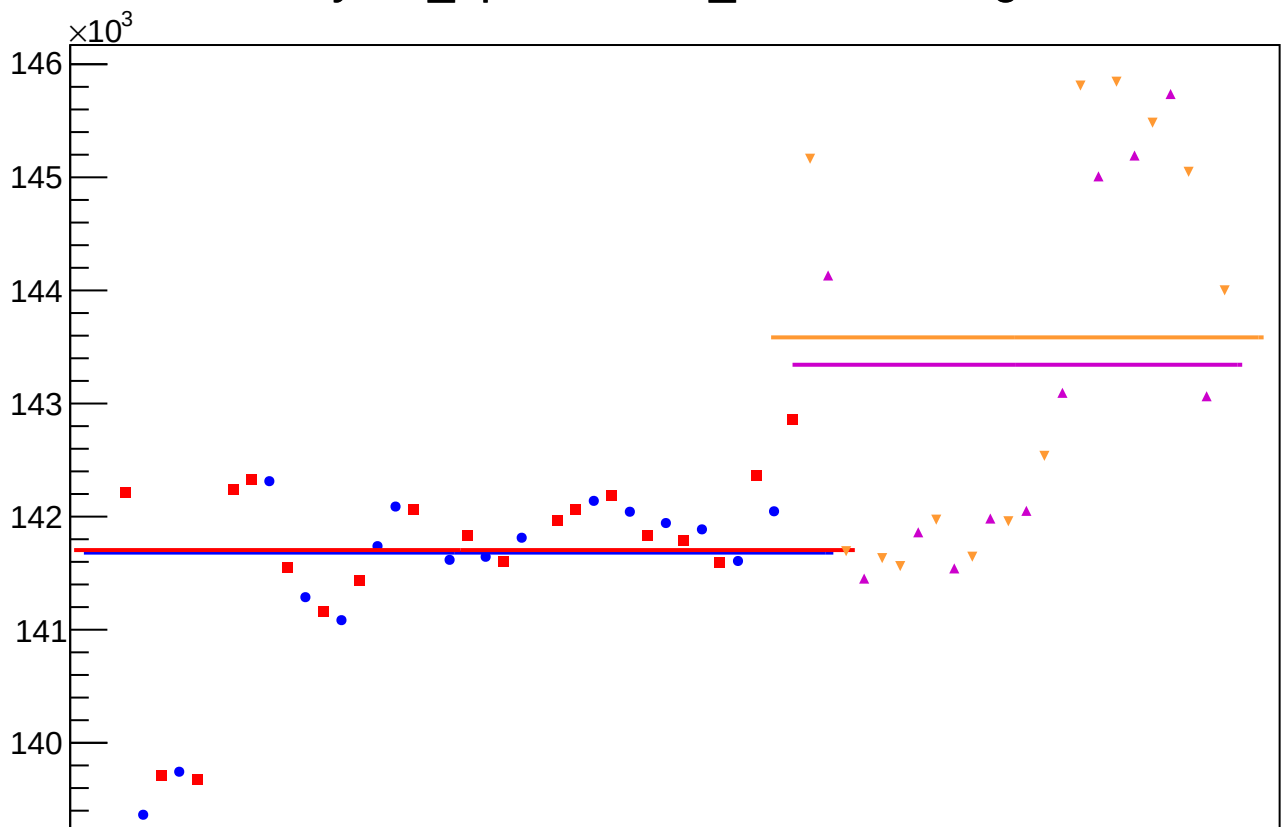
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 205.598+/-0.048 χ^2/NDF:268755.3/10

\+ sign 188.683+/-0.033 χ^2/NDF: 1690648.3/28

All: 184.642+/-0.023 χ^2/NDF: 3774357.8/58

\- sign 180.772+/-0.033 χ^2/NDF: 2054722.5/29



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143584.892+/-0.069 χ^2/NDF:637146721.8/12

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

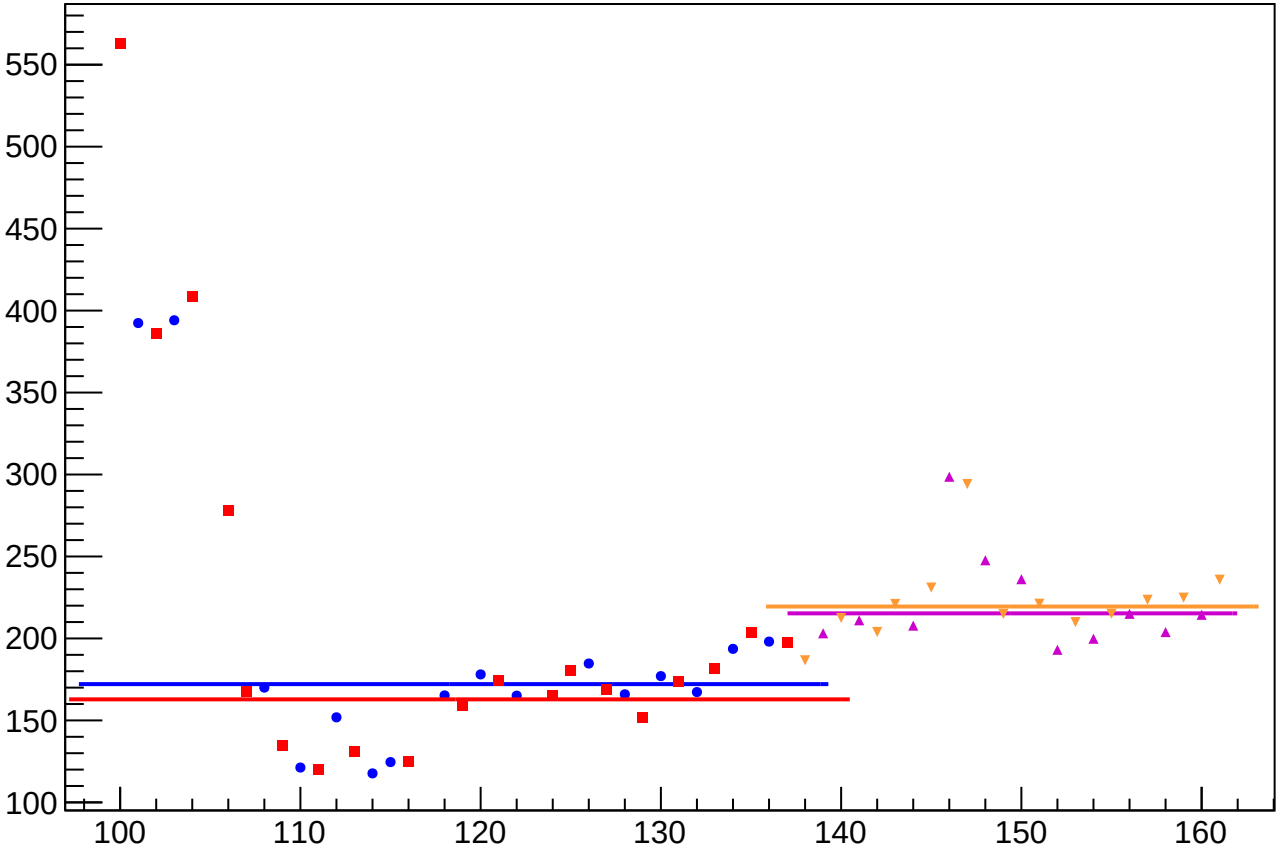
Left In: 143342.797+/-0.071 χ^2/NDF:449275797.6/10

+ sign 142618.243+/-0.049 χ^2/NDF: 1083781497.1

All: 142524.824+/-0.034 χ^2/NDF: 19004194(

- sign 142435.952+/-0.047 χ^2/NDF: 809444689.2/2

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 219.475+/-0.049 χ^2/NDF:177808.2/12

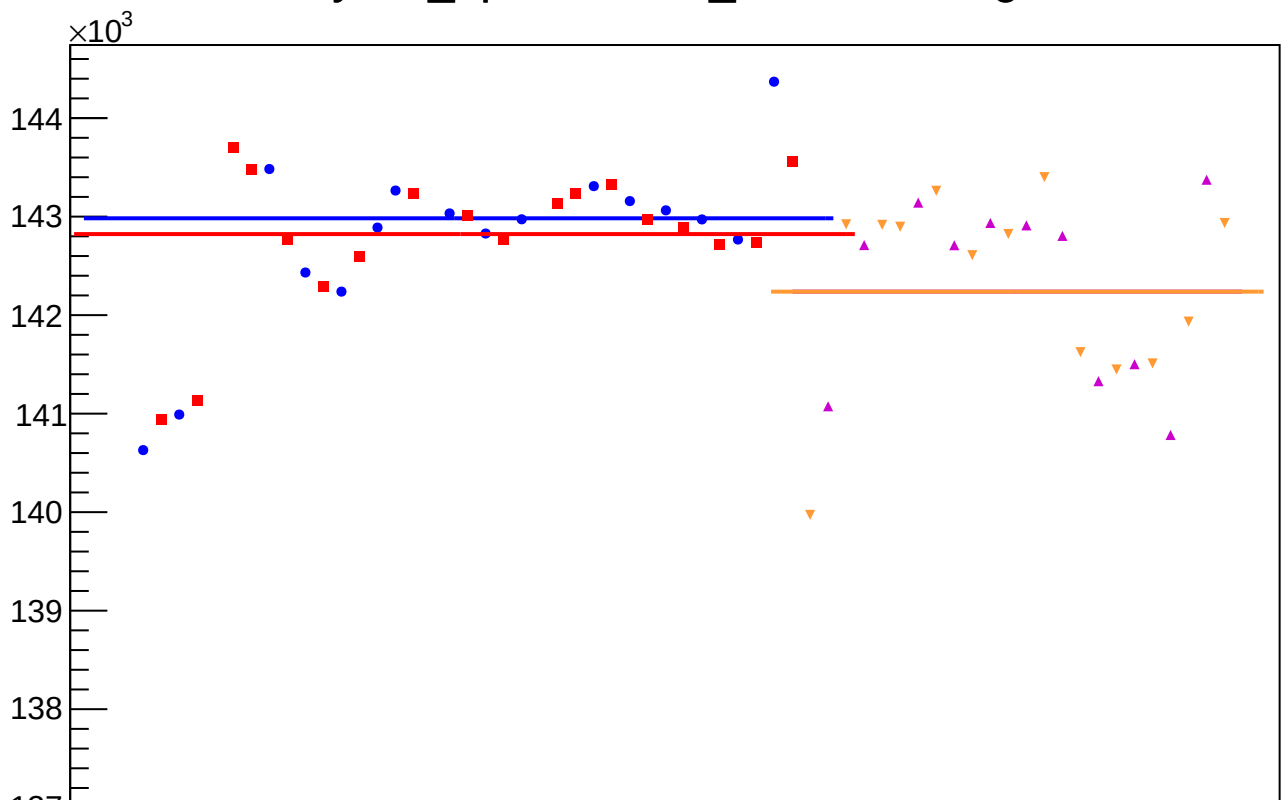
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 215.303+/-0.050 χ^2/NDF:223420.9/10

+ sign 195.431+/-0.034 χ^2/NDF: 1719507.1/28

All: 190.737+/-0.024 χ^2/NDF: 3889052.3/58

- sign 186.271+/-0.034 χ^2/NDF: 2133225.8/29



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142238.411+/-0.064 χ^2/NDF:247135762.0/12

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

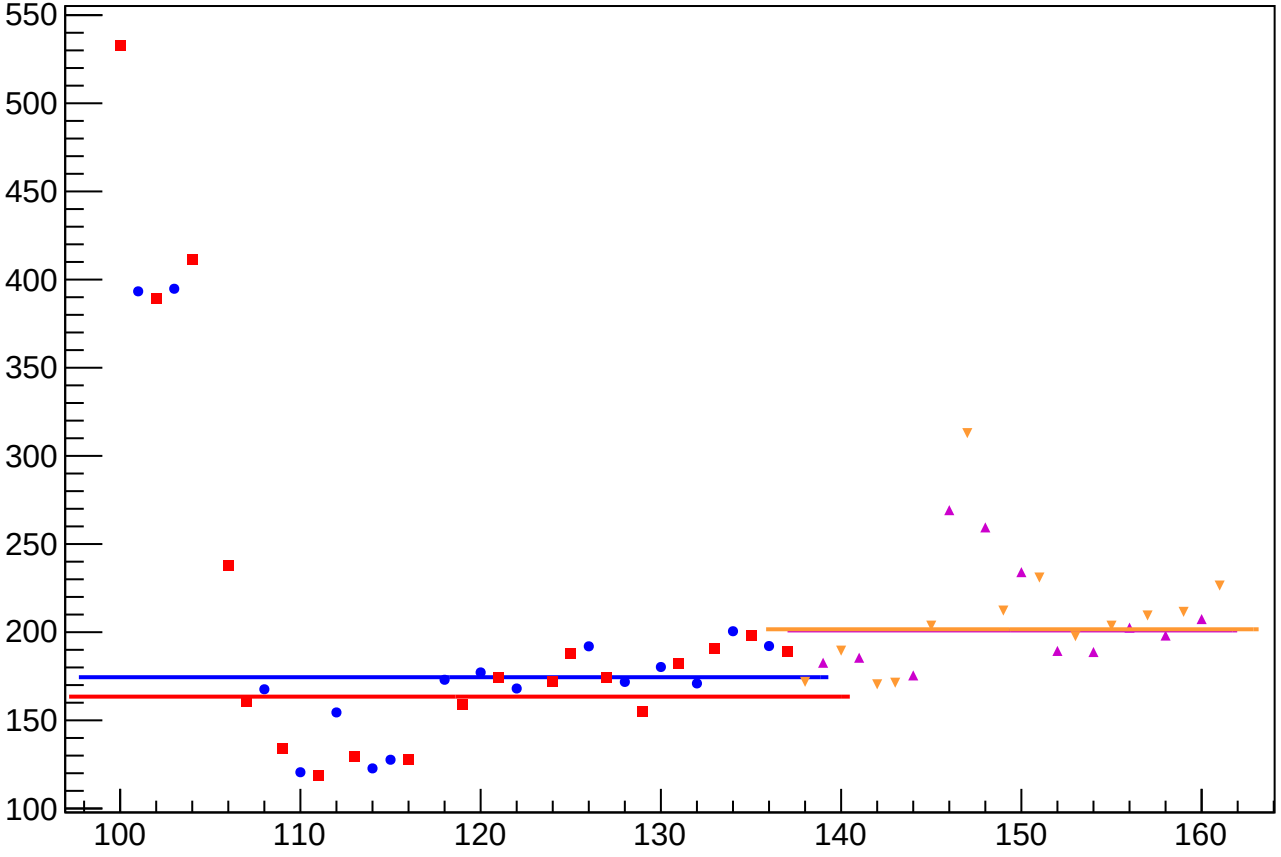
Left In: 142238.471+/-0.066 χ^2/NDF:188314744.6/10

+ sign 142582.704+/-0.047 χ^2/NDF: 417237068.4/2

All: 142561.414+/-0.033 χ^2/NDF: 70968777

- sign 142540.952+/-0.046 χ^2/NDF: 292048215.8/2

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 201.651+/-0.045 χ^2/NDF:394143.4/12

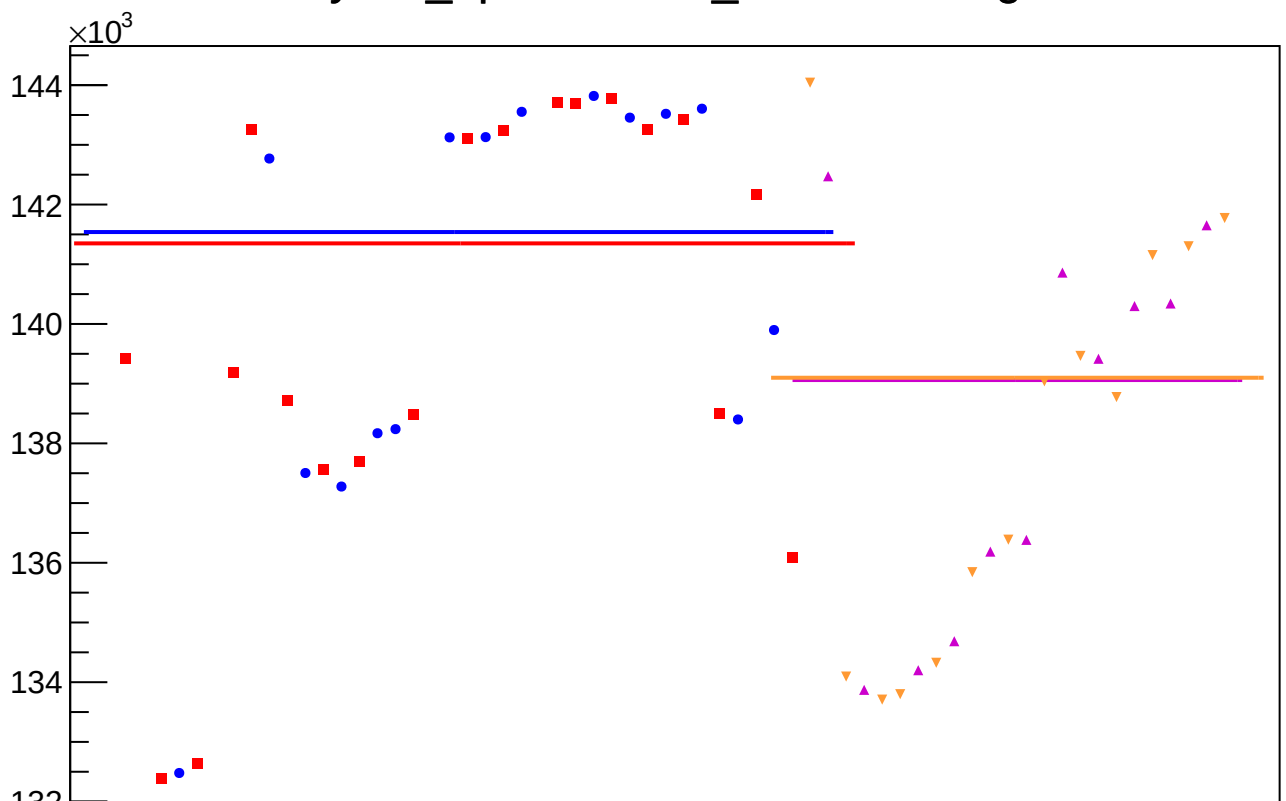
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 201.001+/-0.047 χ^2/NDF:310988.2/10

+ sign 189.081+/-0.033 χ^2/NDF: 1609622.7/28

All: 185.246+/-0.023 χ^2/NDF: 3560987.3/58

- sign 181.559+/-0.033 χ^2/NDF: 1925237.4/29



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 139099.191+/-0.095 χ^2/NDF:1382701379.3/12

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

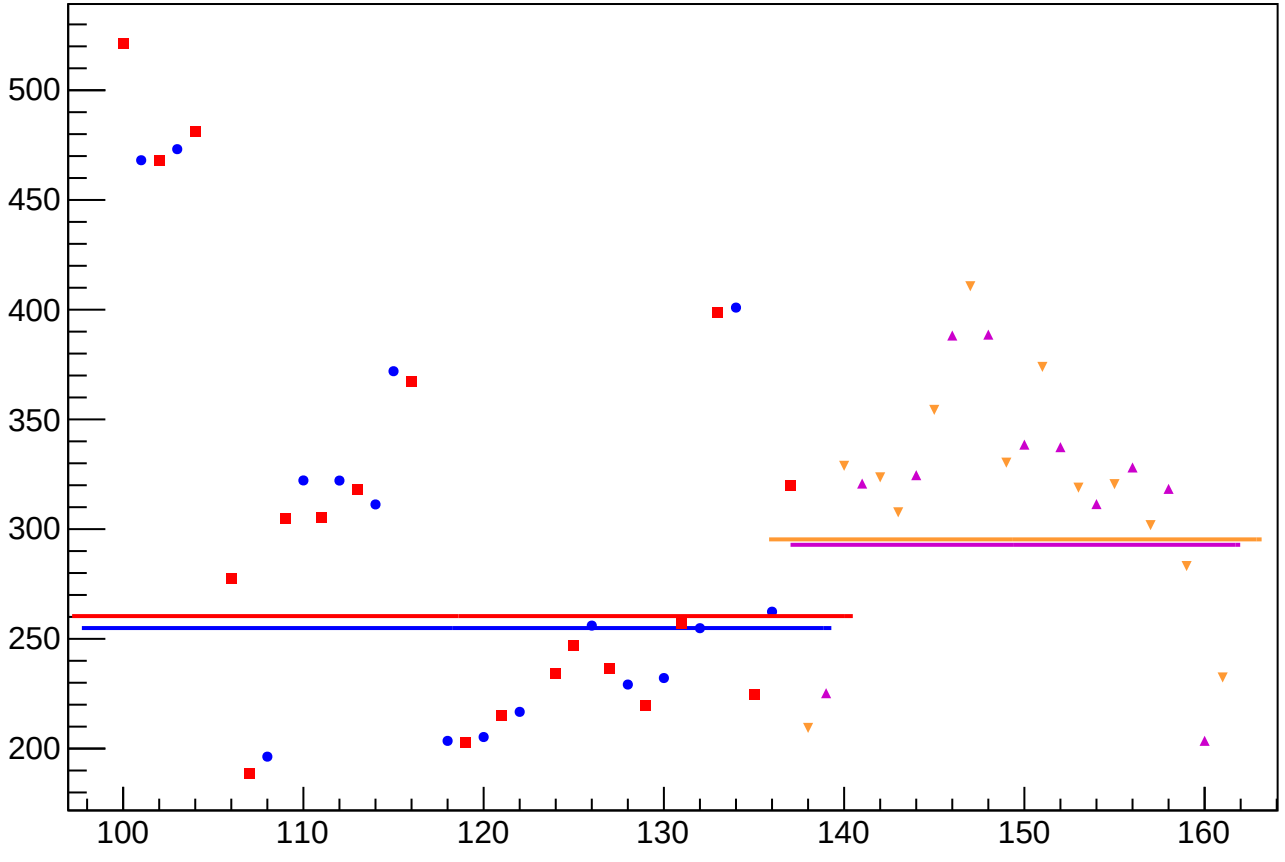
Left In: 139060.663+/-0.099 χ^2/NDF:987595042.7/10

+ sign 140247.718+/-0.069 χ^2/NDF: 2640618630.2

All: 140212.811+/-0.049 χ^2/NDF: 4818304

- sign 140176.480+/-0.071 χ^2/NDF: 2177165987.2/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 295.327+/-0.067 χ^2/NDF:682517.7/12

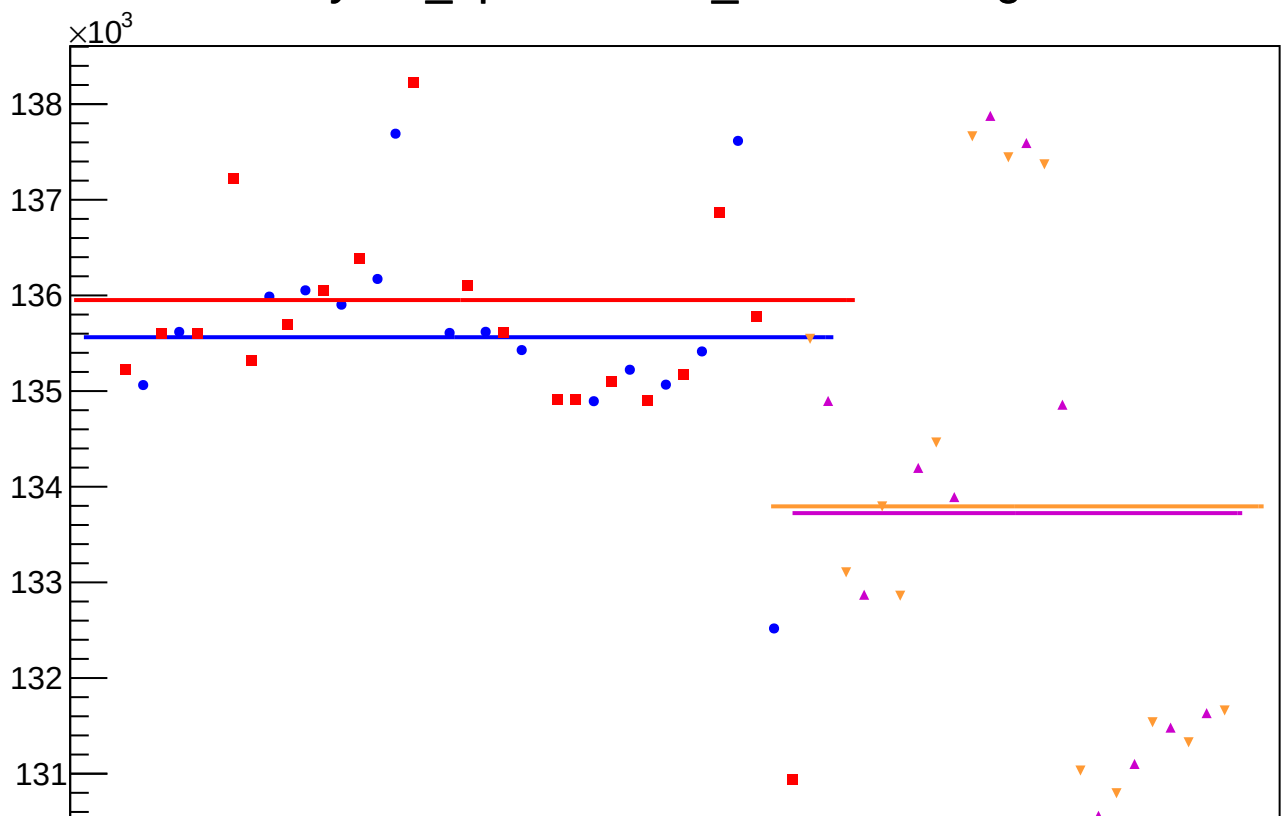
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 292.860+/-0.070 χ^2/NDF:785738.6/10

+ sign 276.309+/-0.049 χ^2/NDF: 1802564.4/28

All: 276.657+/-0.035 χ^2/NDF: 3687666.1/58

- sign 277.020+/-0.050 χ^2/NDF: 1884998.0/29



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133794.735+/-0.082 χ^2/NDF:608443206.3/12

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

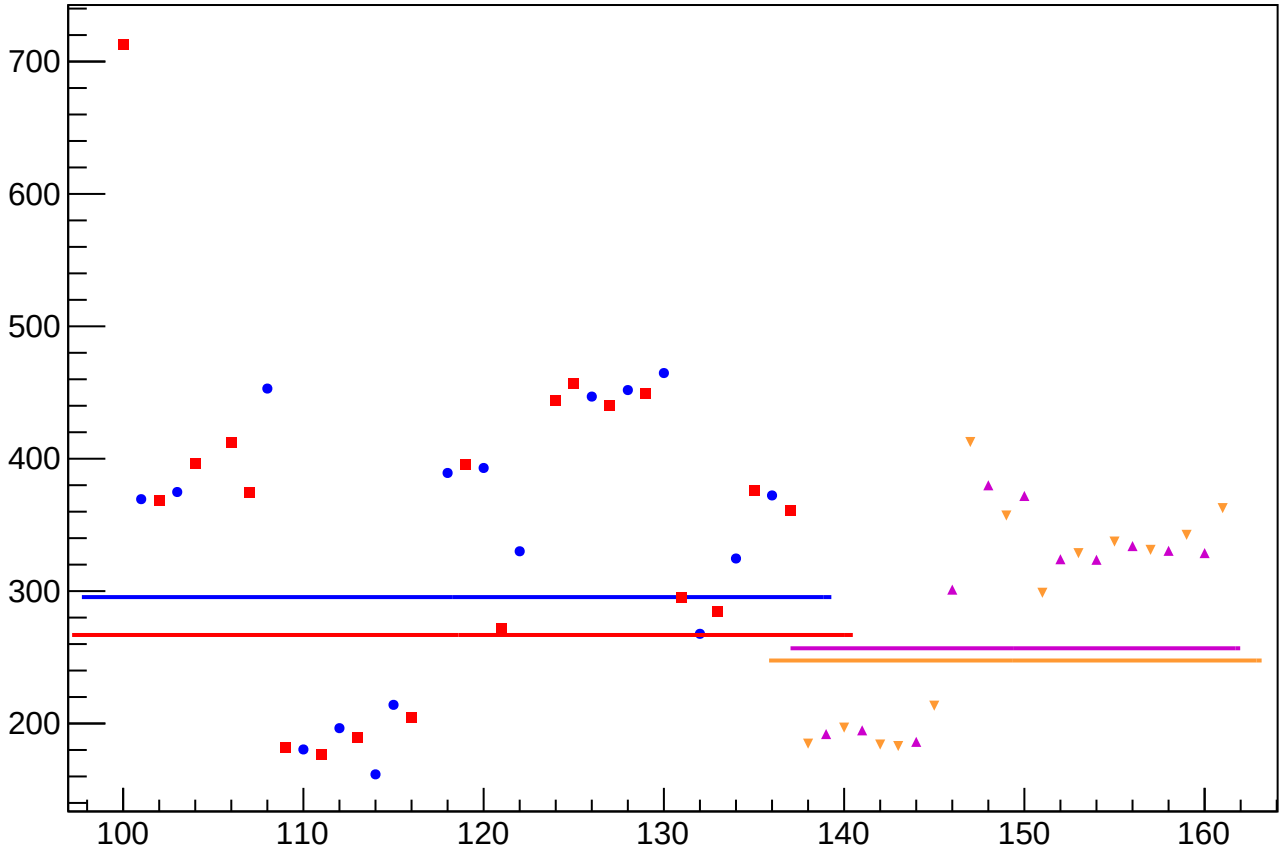
Left In: 133724.088+/-0.088 χ^2/NDF:464798805.0/10

+ sign 134364.919+/-0.067 χ^2/NDF: 853866166.1/2

All: 134493.595+/-0.048 χ^2/NDF: 16790743

- sign 134623.753+/-0.068 χ^2/NDF: 817834294.9/2

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 247.581+/-0.058 χ^2/NDF:1686414.3/12

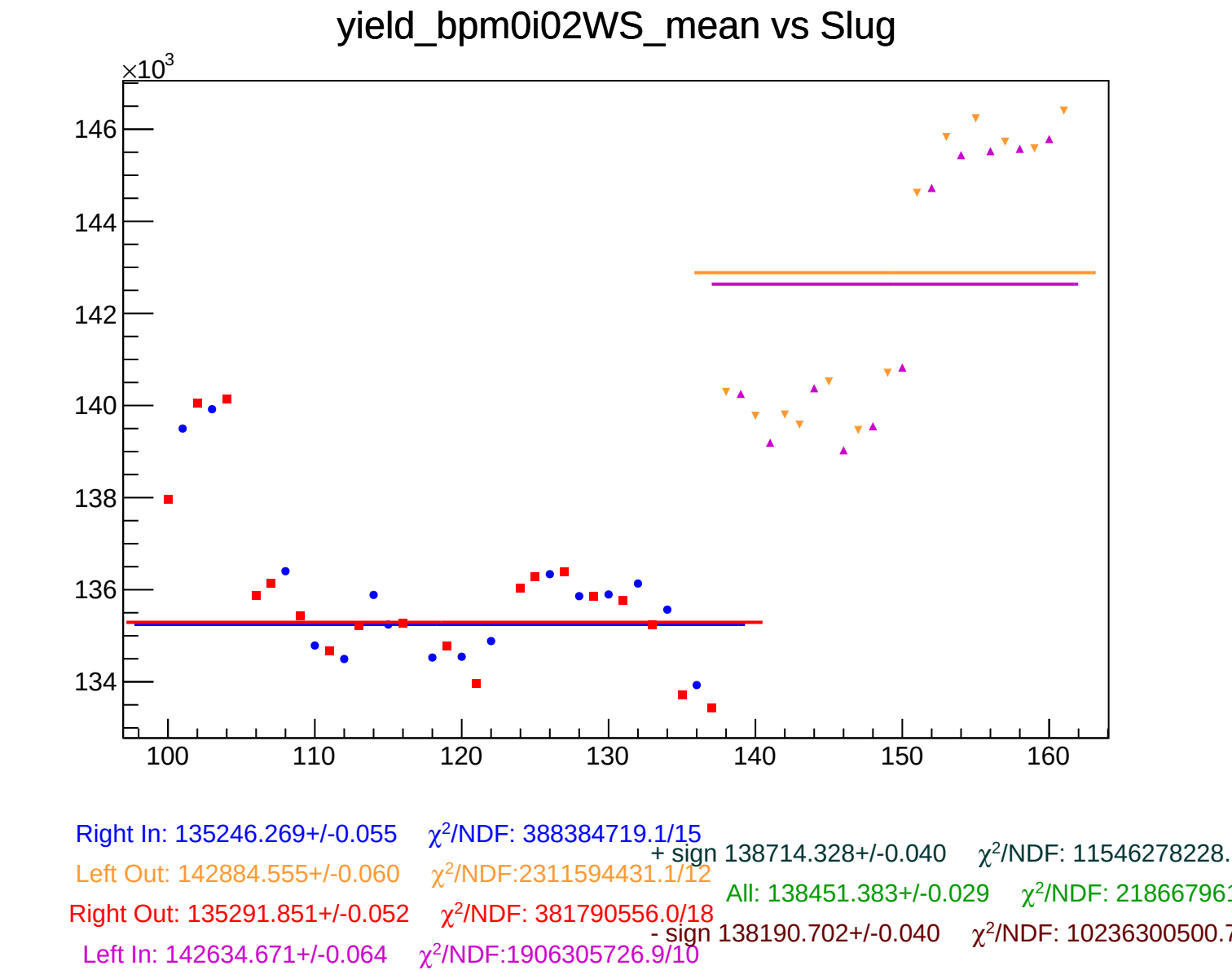
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 256.817+/-0.062 χ^2/NDF:1391004.6/10

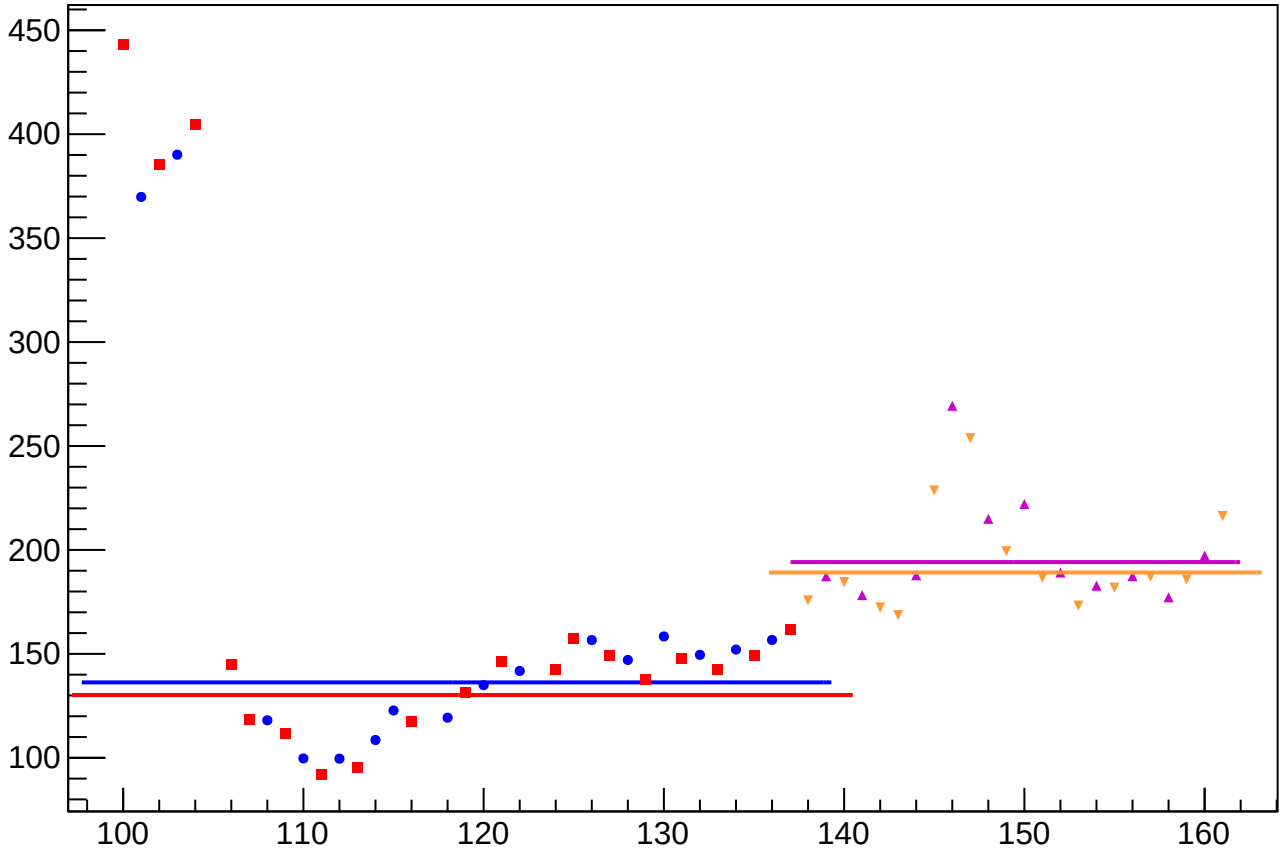
+ sign 263.026+/-0.048 χ^2/NDF: 3350912.1/28

All: 261.957+/-0.034 χ^2/NDF: 6431647.2/58

- sign 260.875+/-0.048 χ^2/NDF: 3079716.6/29


yield_bpm0i02WS_mean vs Slug
×10^3
146
144
142
140
138
136
134
100
110
120
130
140
150
160
Right In: 135246.269+/-0.055 χ²/NDF: 388384719.1/15
Left Out: 142884.555+/-0.060 χ²/NDF:2311594431.1/12
Right Out: 135291.851+/-0.052 χ²/NDF: 381790556.0/18
Left In: 142634.671+/-0.064 χ²/NDF:1906305726.9/10
+ sign 138714.328+/-0.040 χ²/NDF: 1546278228.
All: 138451.383+/-0.029 χ²/NDF: 21866796
- sign 138190.702+/-0.040 χ²/NDF: 10236300500.7

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 189.158+/-0.042 χ^2/NDF:236149.2/12

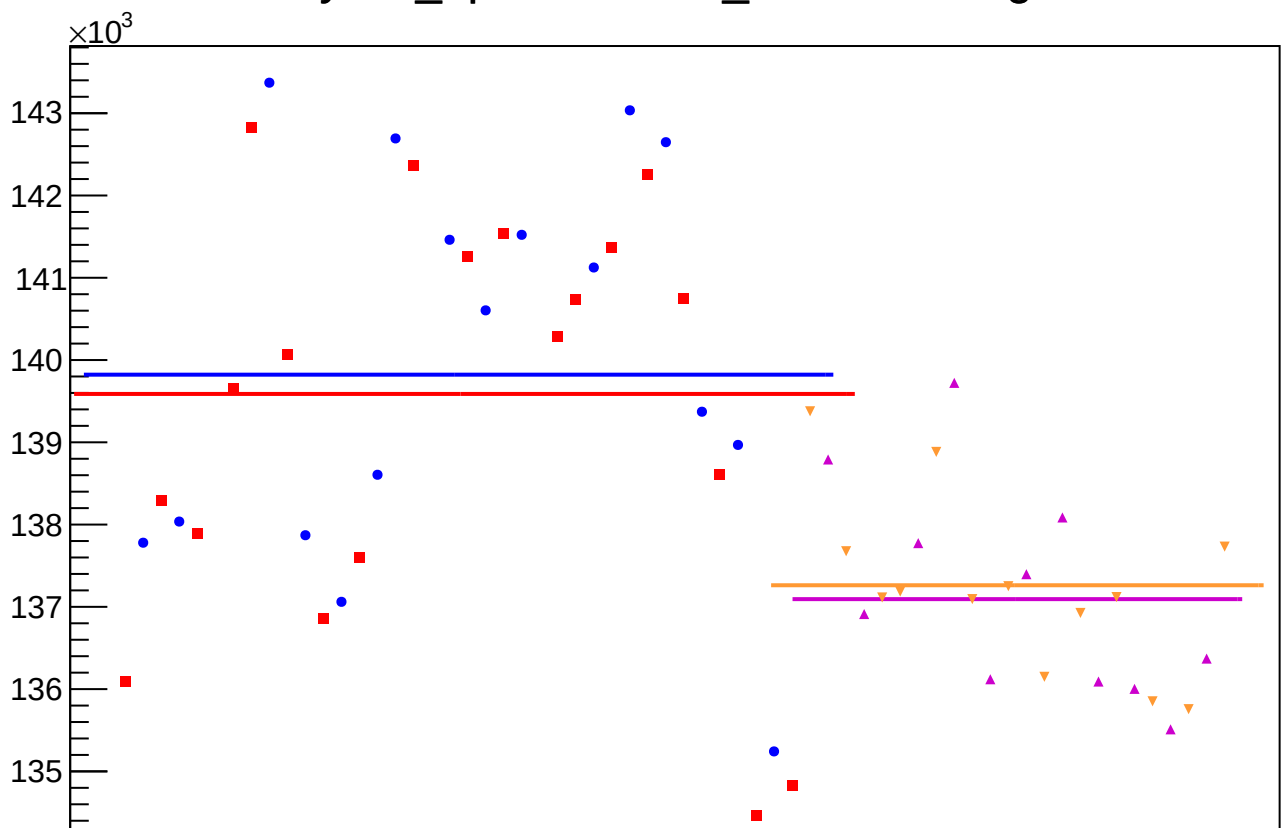
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 194.168+/-0.045 χ^2/NDF:217729.4/10

+ sign 160.291+/-0.029 χ^2/NDF: 2467947.2/28

All: 157.864+/-0.020 χ^2/NDF: 5427081.8/58

- sign 155.457+/-0.028 χ^2/NDF: 2944781.0/29



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137262.414+/-0.062 χ^2/NDF:282901995.5/12

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

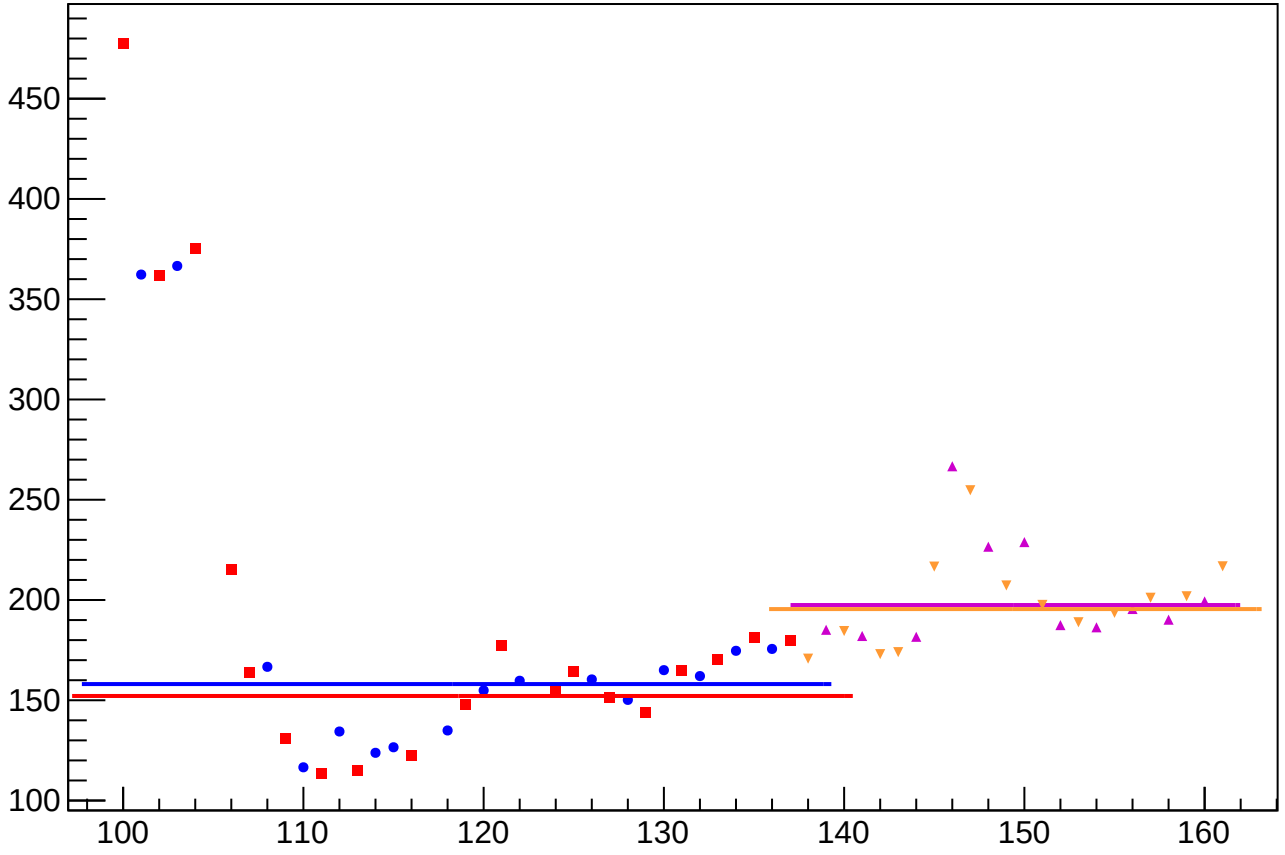
Left In: 137093.757+/-0.065 χ^2/NDF:326929663.1/10

+ sign 138532.176+/-0.044 χ^2/NDF: 2789089787.5

All: 138492.112+/-0.031 χ^2/NDF: 539473605

- sign 138452.063+/-0.044 χ^2/NDF: 2603994718.8/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 195.474+/-0.044 χ^2/NDF:203553.0/12

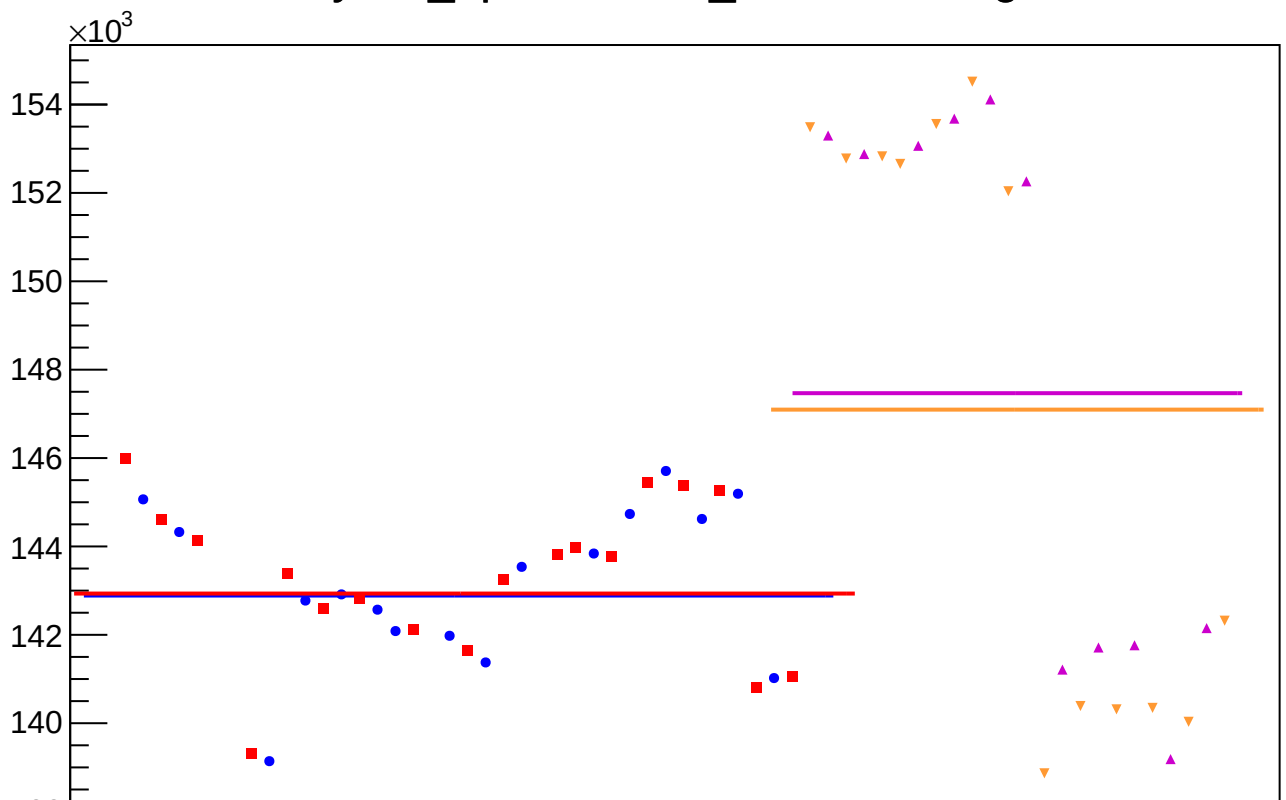
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 197.499+/-0.046 χ^2/NDF:222157.2/10

+ sign 176.924+/-0.031 χ^2/NDF: 1581238.5/28

All: 174.860+/-0.022 χ^2/NDF: 3566563.8/58

- sign 172.796+/-0.031 χ^2/NDF: 1976553.8/29



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 147096.140+/-0.063 χ^2/NDF:10357472935.5/12

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

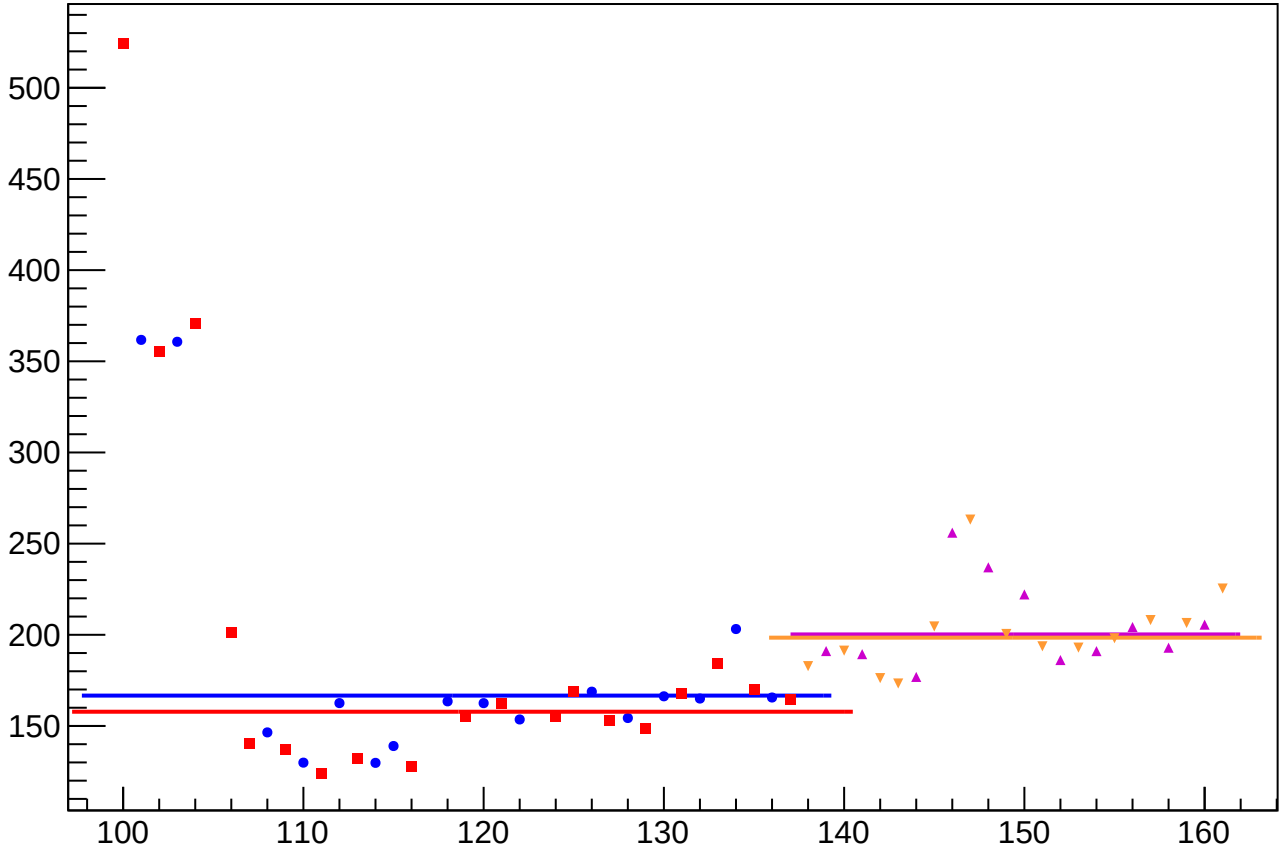
Left In: 147468.165+/-0.066 χ^2/NDF:8377998156.0/10

+ sign 145082.146+/-0.045 χ^2/NDF: 13258782703.

All: 145061.069+/-0.032 χ^2/NDF: 24946901

- sign 145040.381+/-0.045 χ^2/NDF: 11687693123.

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 198.431+/-0.045 χ^2/NDF:191191.7/12

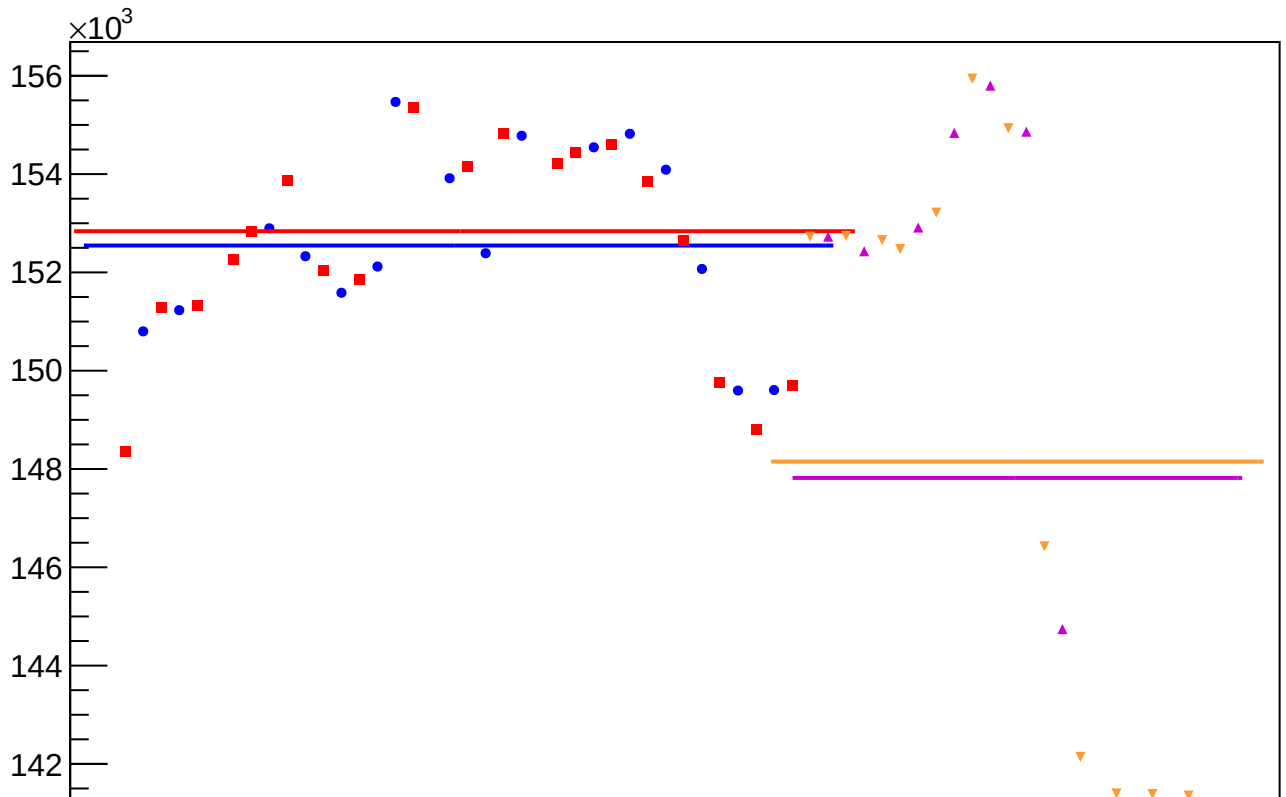
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 200.207+/-0.047 χ^2/NDF:196450.0/10

+ sign 183.219+/-0.032 χ^2/NDF: 1298718.6/28

All: 180.336+/-0.023 χ^2/NDF: 2974523.2/58

- sign 177.506+/-0.032 χ^2/NDF: 1659858.0/29



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 148151.531+/-0.063 χ^2/NDF:8145234778.8/12

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

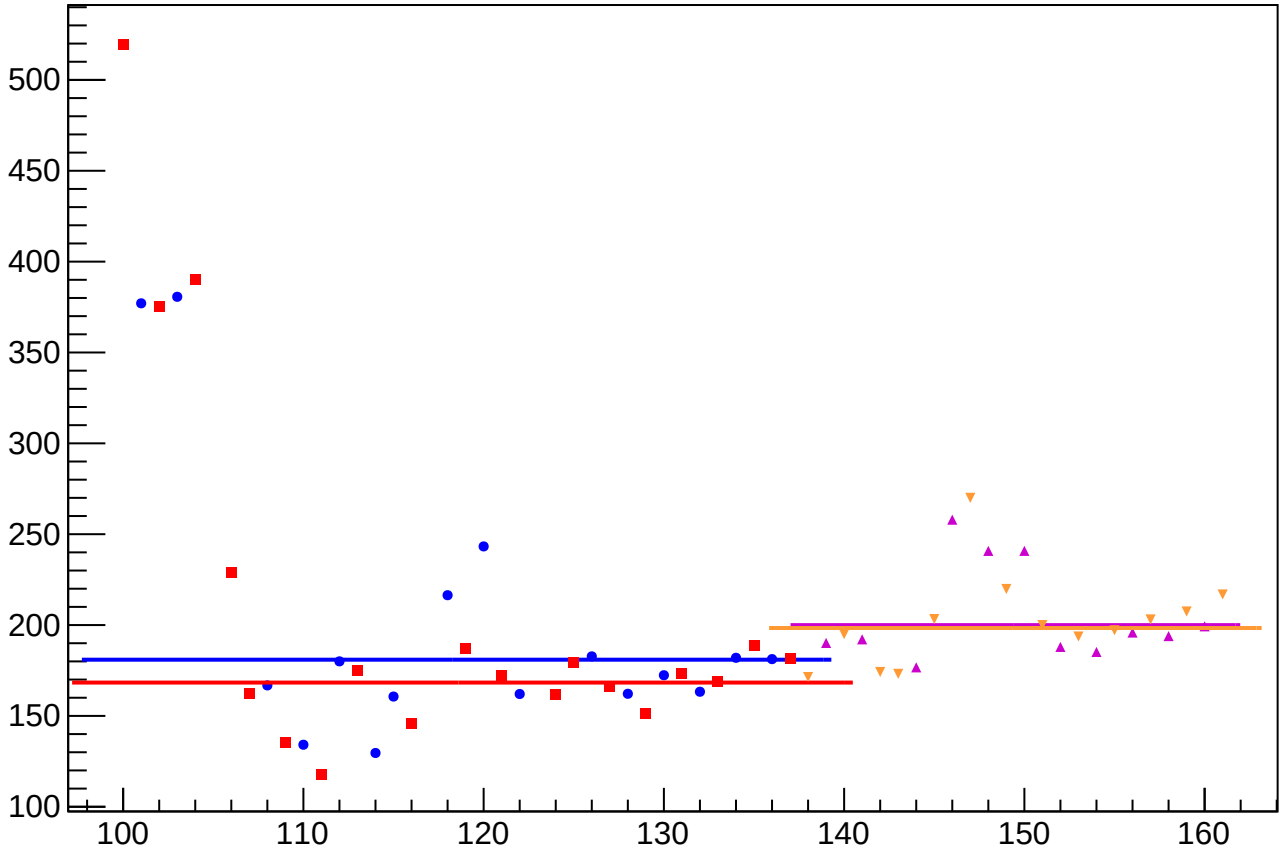
Left In: 147818.174+/-0.066 χ^2/NDF:8392476142.3/10

+ sign 150029.915+/-0.047 χ^2/NDF: 10897844102.

All: 150165.049+/-0.033 χ^2/NDF: 22913996

- sign 150296.618+/-0.047 χ^2/NDF: 12000158644.0

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 198.374+/-0.044 χ^2/NDF:236935.0/12

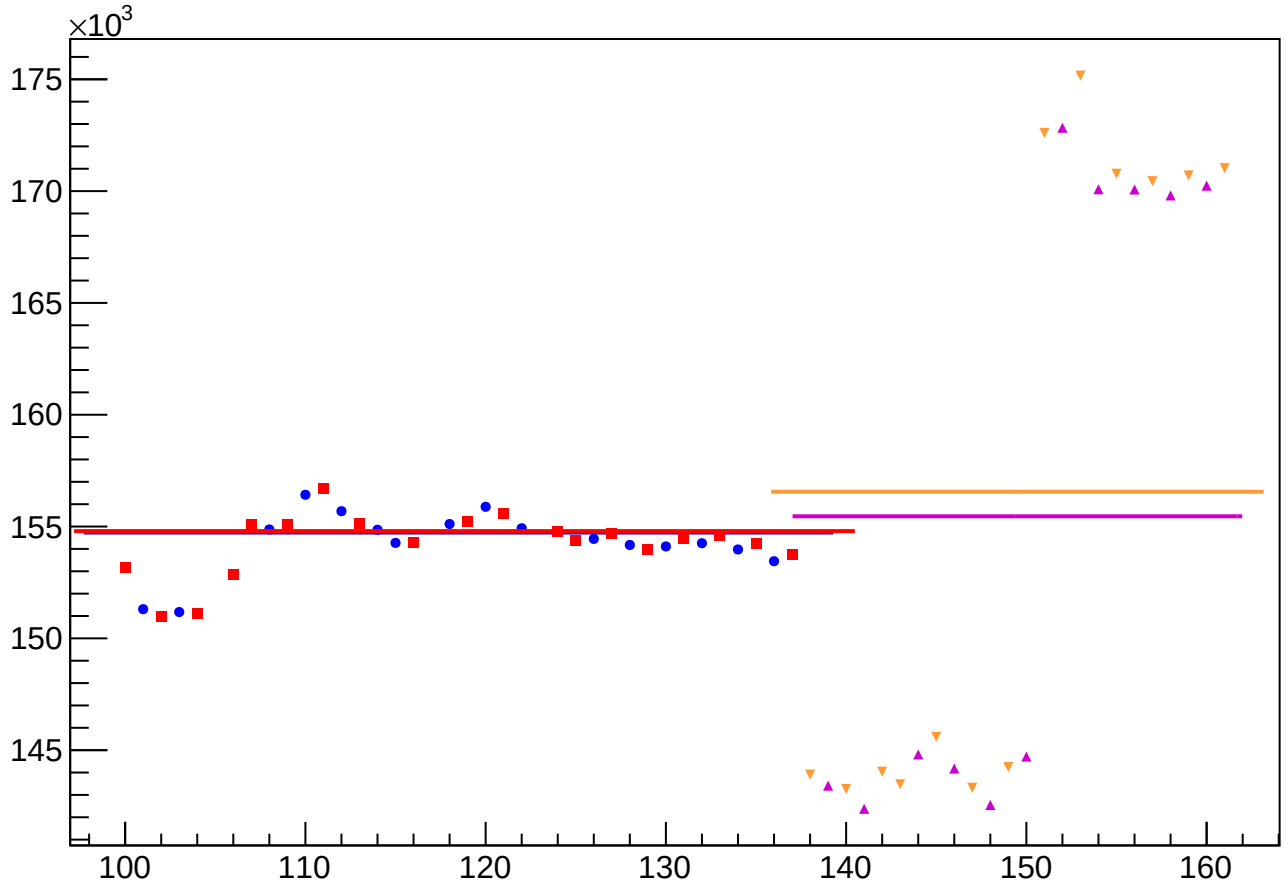
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 199.958+/-0.047 χ^2/NDF:244301.3/10

+ sign 190.923+/-0.034 χ^2/NDF: 1210719.0/28

All: 187.593+/-0.024 χ^2/NDF: 2791196.2/58

- sign 184.352+/-0.033 χ^2/NDF: 1561059.9/29



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 156558.841+/-0.058 χ^2/NDF:58569735517.3/12

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

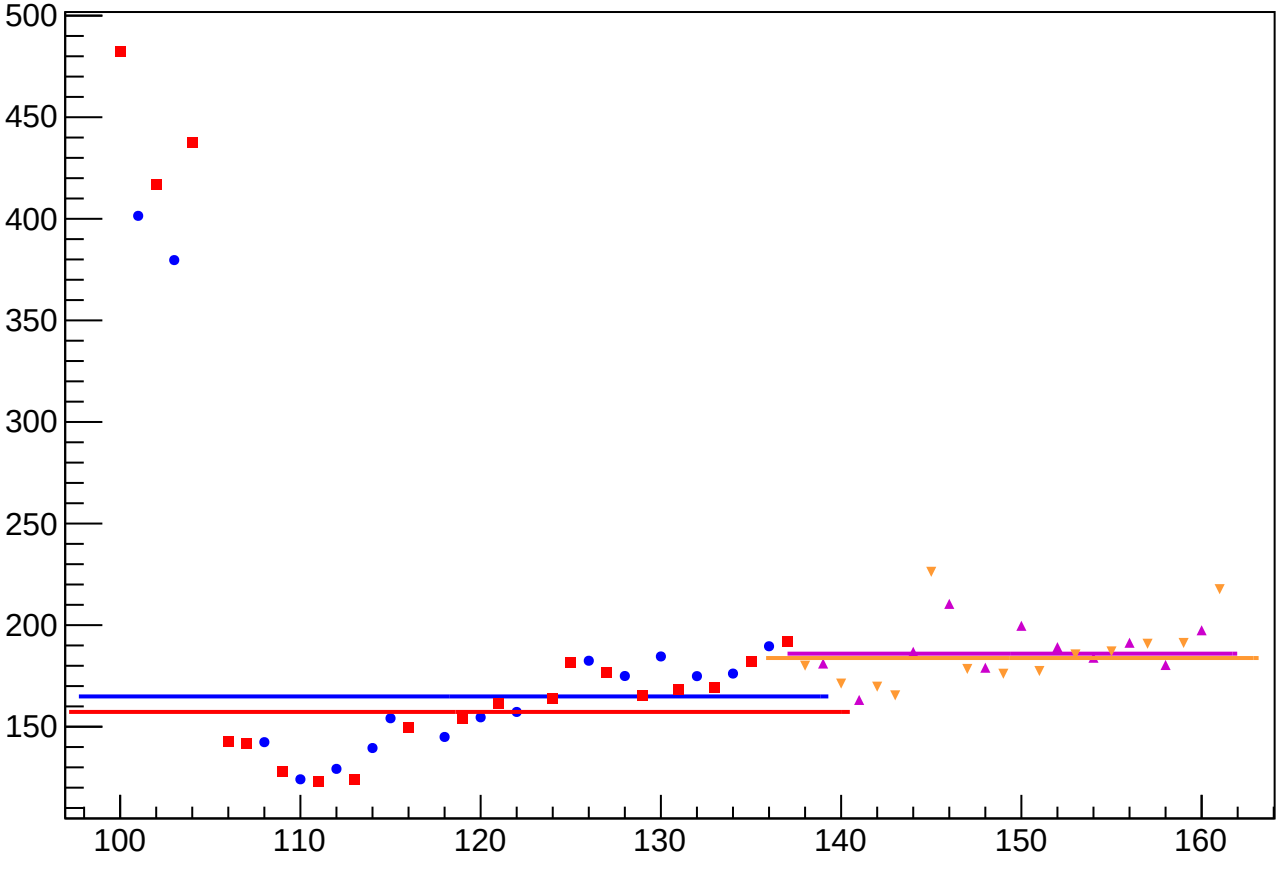
Left In: 155458.682+/-0.061 χ^2/NDF:49075776752.1/10

+ sign 155754.756+/-0.043 χ^2/NDF: 59283007686.

All: 155440.436+/-0.031 χ^2/NDF: 10882718

- sign 155128.991+/-0.043 χ^2/NDF: 49439107532.0

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 183.812+/-0.041 χ^2/NDF:143330.1/12

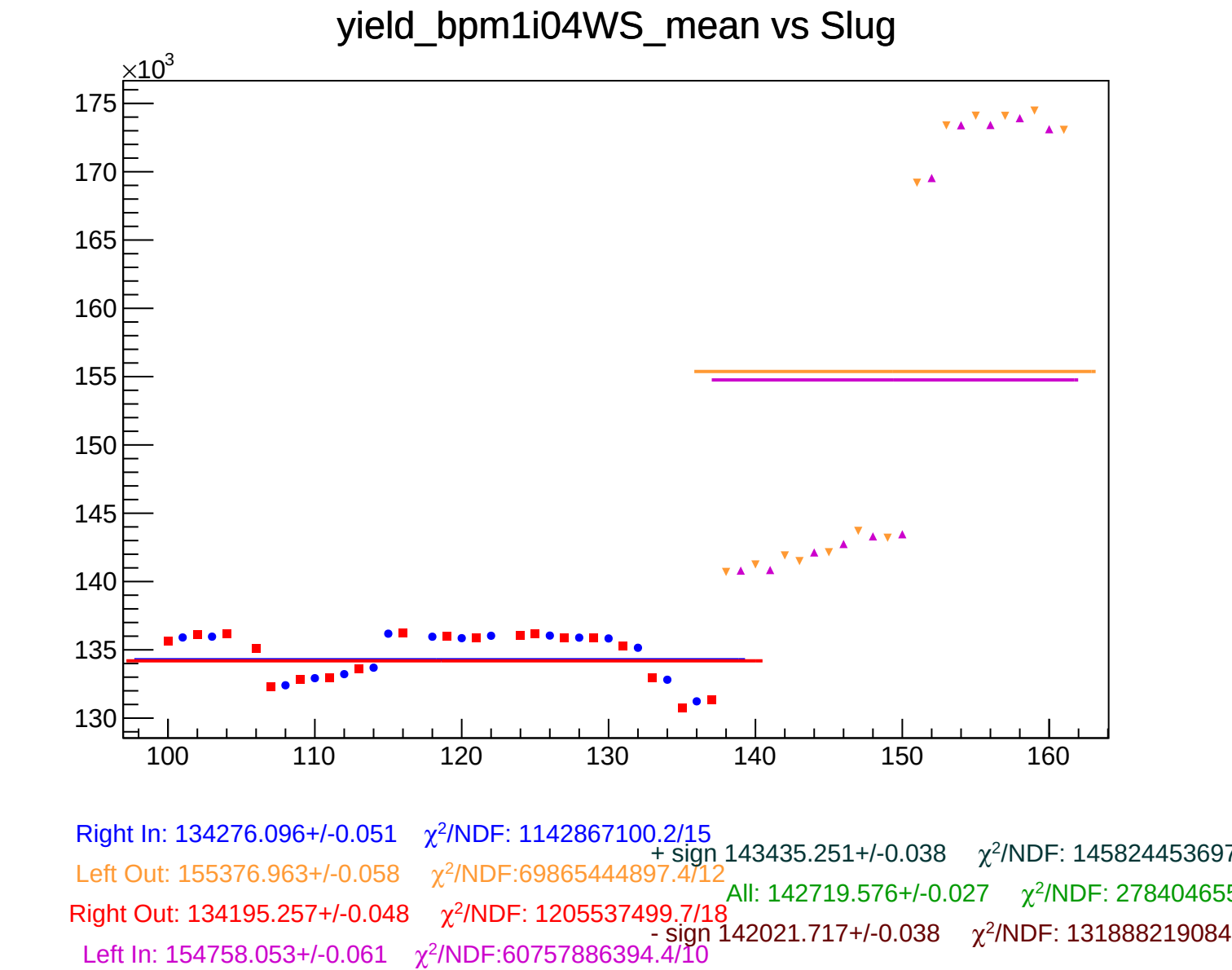
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 185.964+/-0.043 χ^2/NDF:79116.1/10

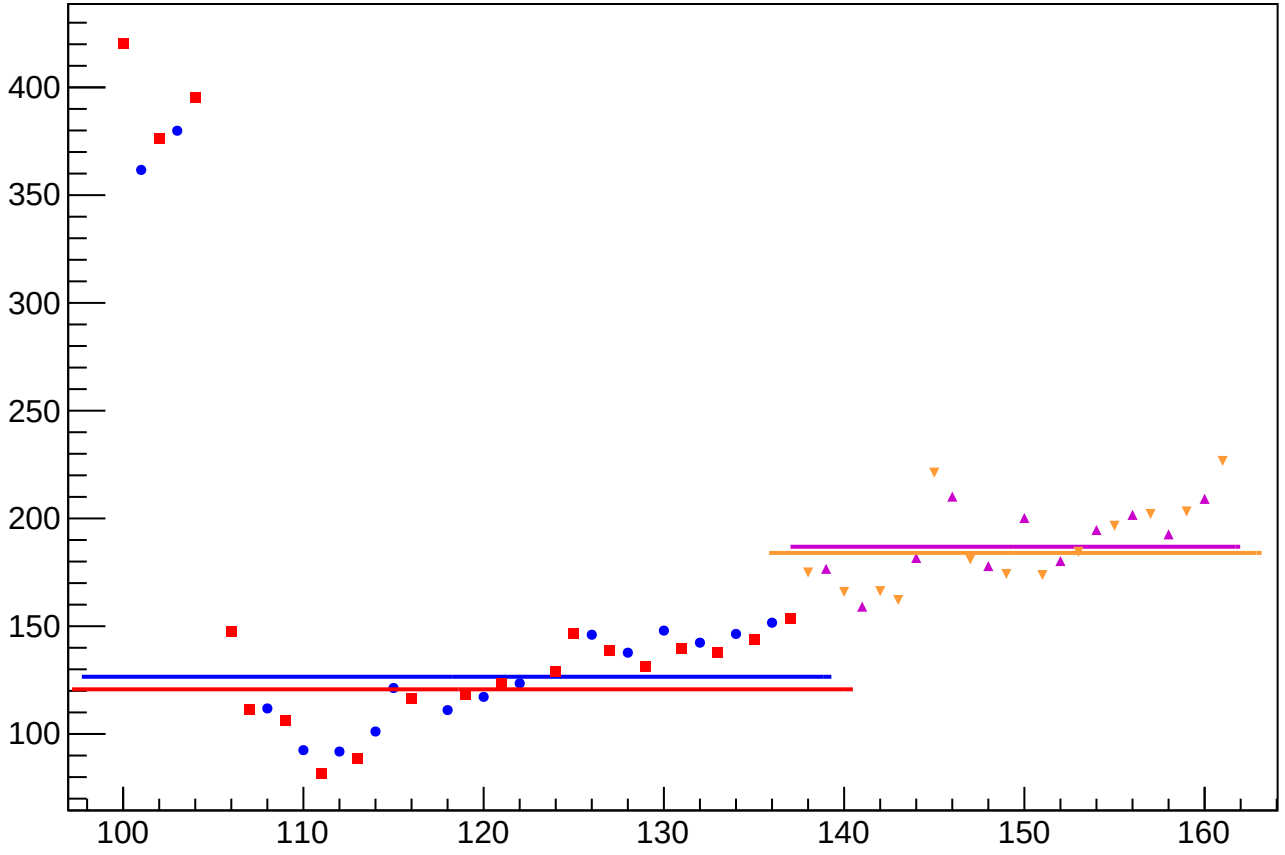
\+ sign 175.486+/-0.031 χ^2/NDF: 1310175.3/28

All: 173.583+/-0.022 χ^2/NDF: 2873552.9/58

\- sign 171.697+/-0.030 χ^2/NDF: 1555674.7/29


yield_bpm1i04WS_mean vs Slug
×10^3
175
170
165
160
155
150
145
140
135
130
100
110
120
130
140
150
160
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 155376.963+/-0.058 χ²/NDF:69865444897.4/12
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 154758.053+/-0.061 χ²/NDF:60757886394.4/10
+ sign 143435.251+/-0.038 χ²/NDF: 145824453697
All: 142719.576+/-0.027 χ²/NDF: 27840465
- sign 142021.717+/-0.038 χ²/NDF: 131888219084

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 184.013+/-0.041 χ^2/NDF:211771.6/12

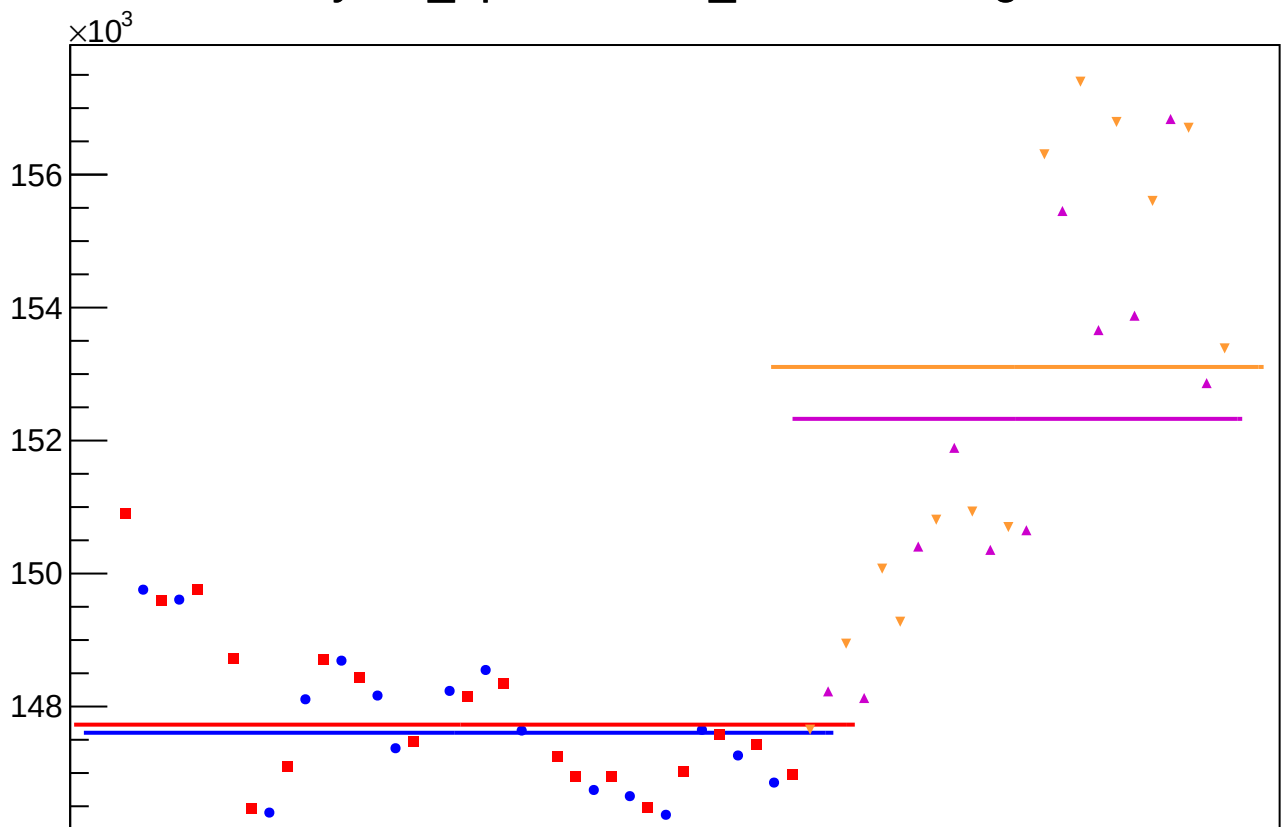
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 186.872+/-0.043 χ^2/NDF:127560.9/10

+ sign 151.493+/-0.027 χ^2/NDF: 2798861.1/28

All: 148.661+/-0.019 χ^2/NDF: 6028052.0/58

- sign 145.900+/-0.027 χ^2/NDF: 3207522.5/29



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153107.153+/-0.064 χ^2/NDF:2908068477.1/12

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

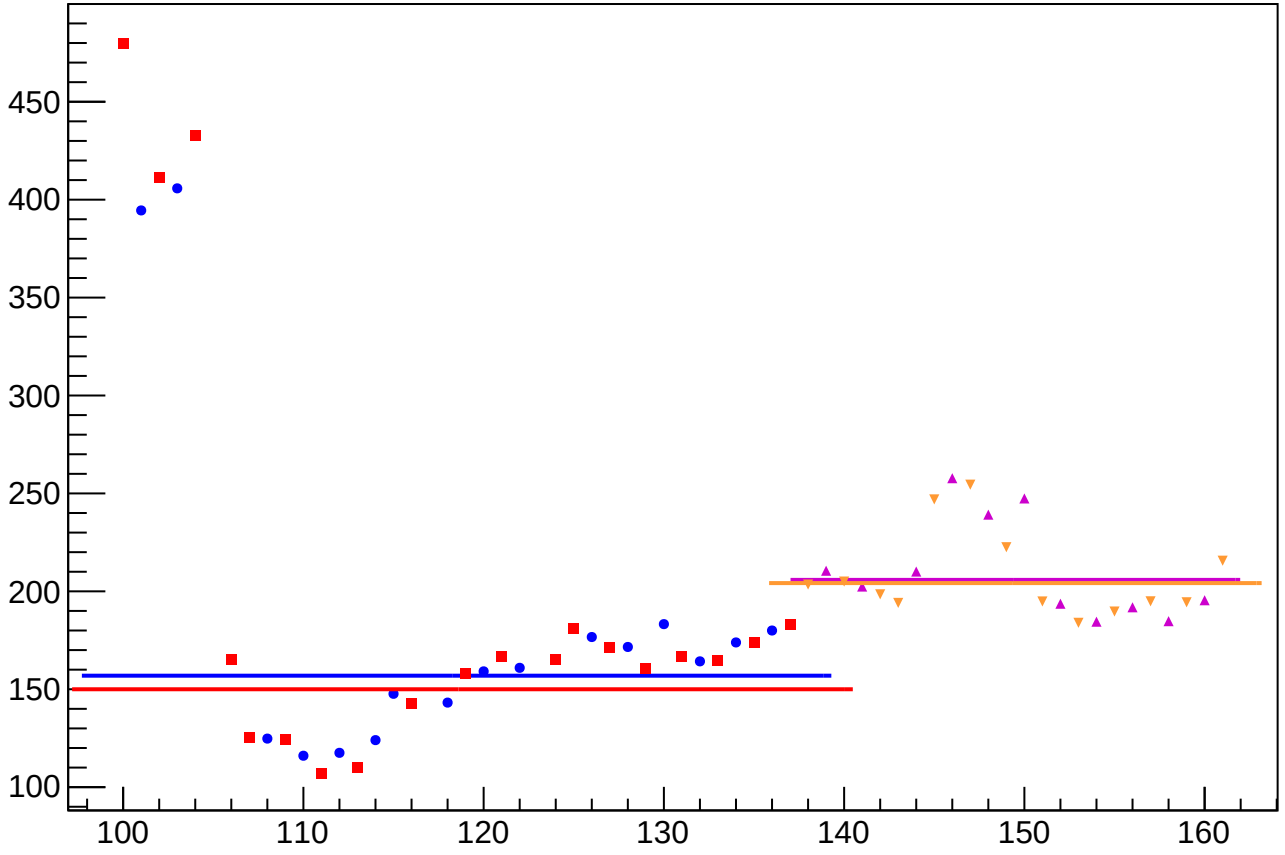
Left In: 152326.556+/-0.068 χ^2/NDF:1708498939.9/10

+ sign 150274.604+/-0.045 χ^2/NDF: 6870710122.6

All: 149992.089+/-0.032 χ^2/NDF: 11484155

- sign 149714.802+/-0.044 χ^2/NDF: 4534743711.8/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 204.211+/-0.046 χ^2/NDF:173978.6/12

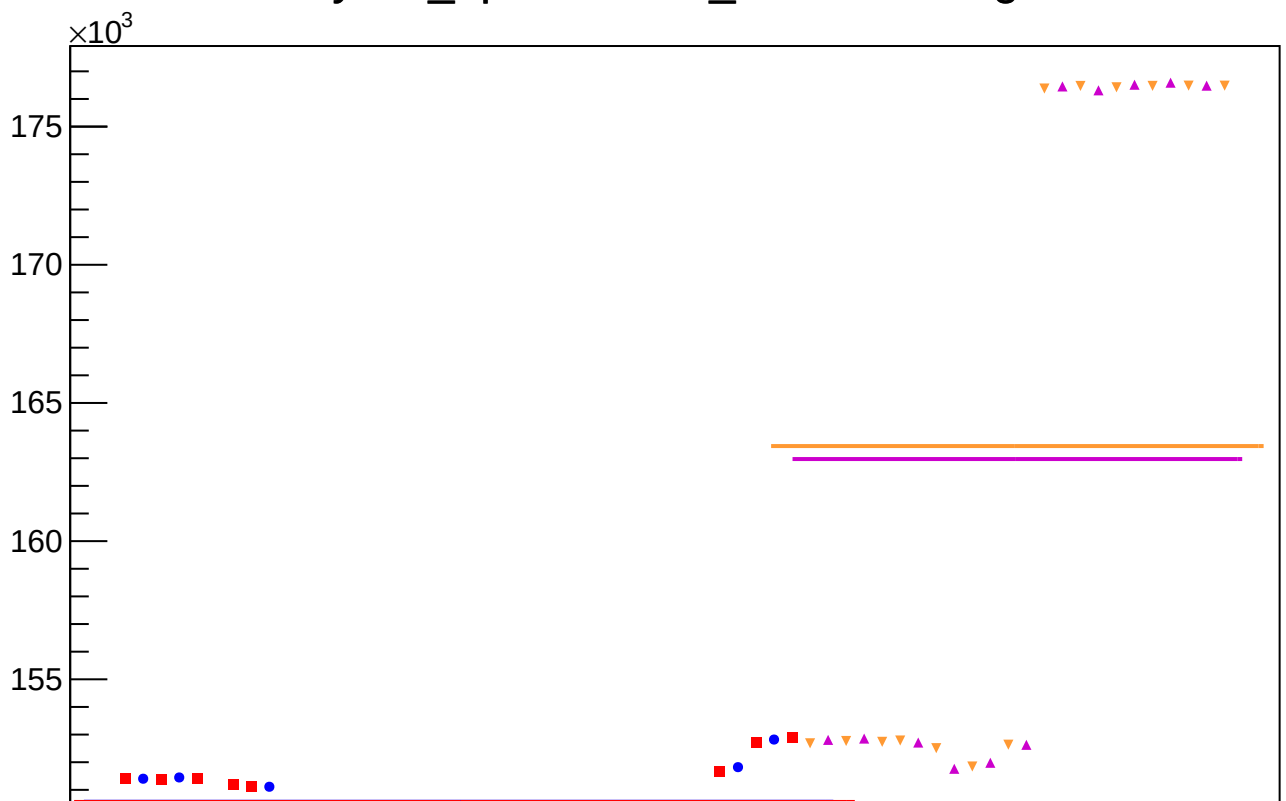
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 205.848+/-0.048 χ^2/NDF:221399.0/10

+ sign 179.866+/-0.032 χ^2/NDF: 1995538.7/28

All: 176.970+/-0.022 χ^2/NDF: 4463673.9/58

- sign 174.128+/-0.031 χ^2/NDF: 2451600.6/29



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 163440.126+/-0.057 χ^2/NDF:44214809147.6/12

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

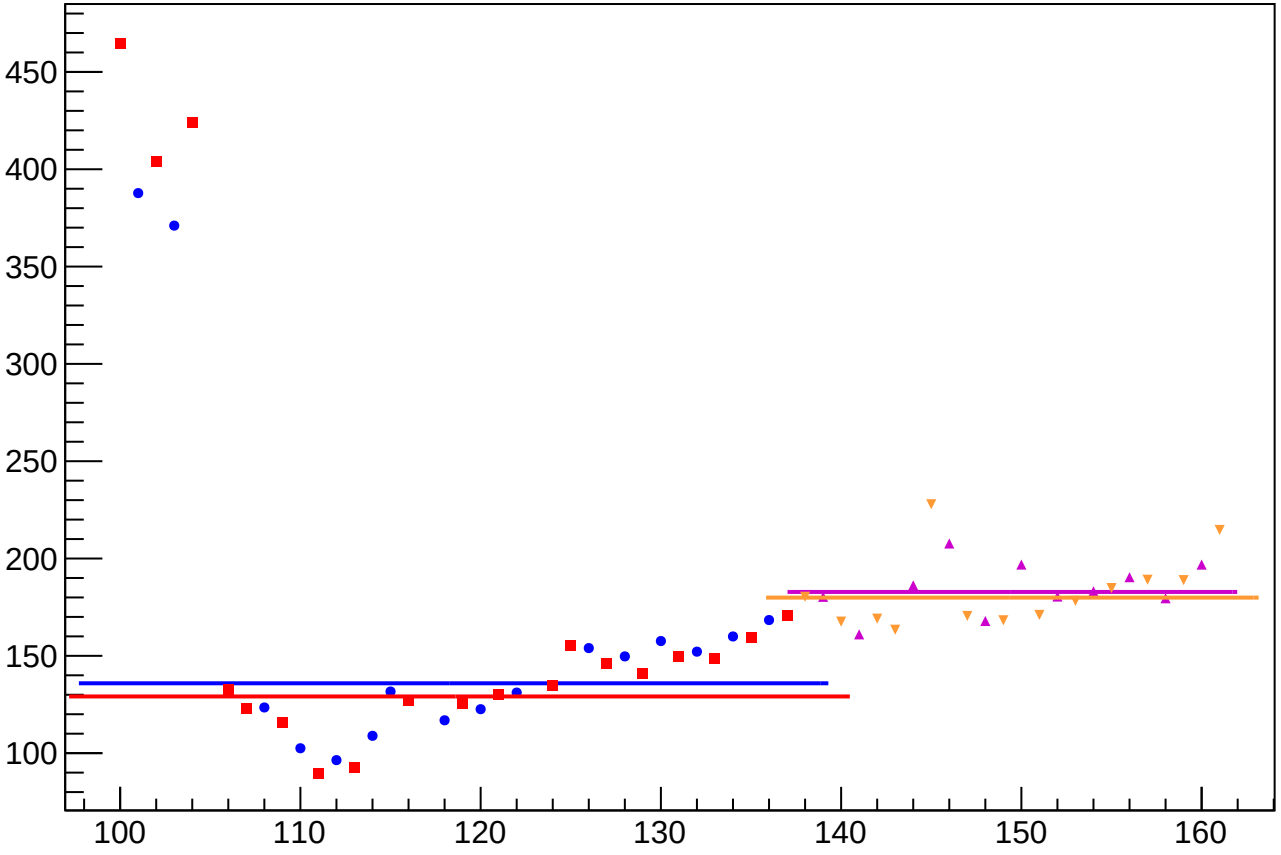
Left In: 162970.434+/-0.060 χ^2/NDF:39636251368.7/10

+ sign 156774.737+/-0.039 χ^2/NDF: 71237081863.

All: 156274.647+/-0.028 χ^2/NDF: 13633943

- sign 155787.450+/-0.039 χ^2/NDF: 64782651990.6

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 179.916+/-0.040 χ^2/NDF:169356.3/12

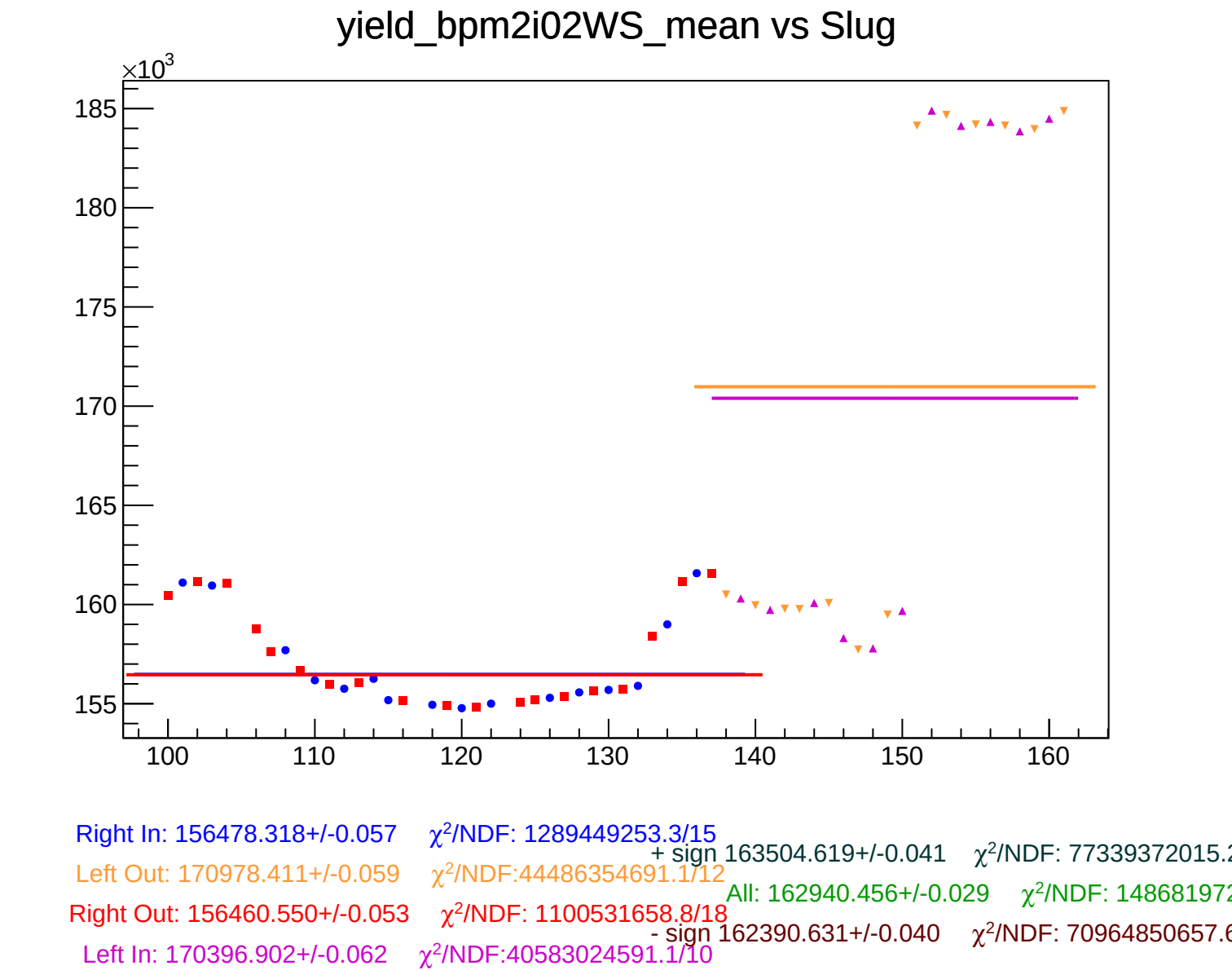
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 182.829+/-0.042 χ^2/NDF:91904.6/10

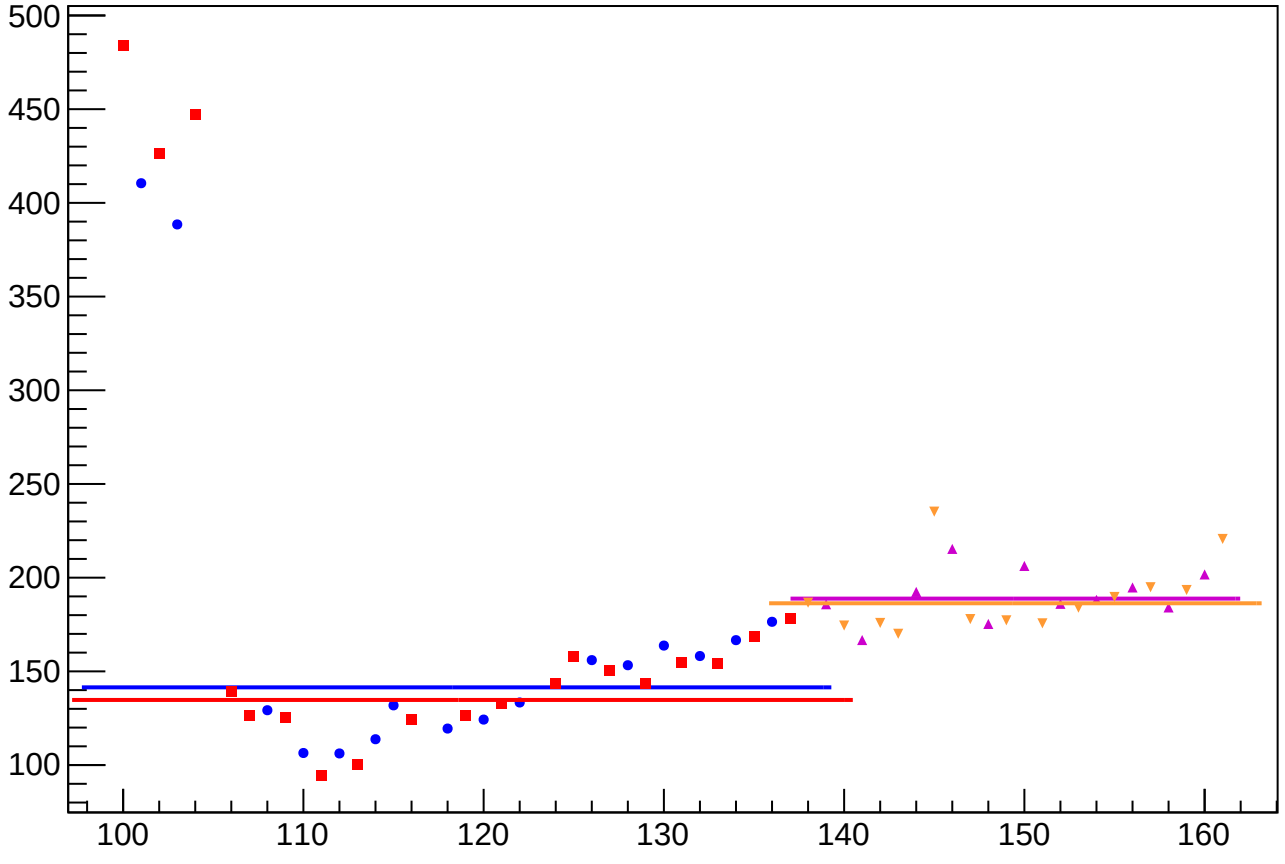
+ sign 157.121+/-0.028 χ^2/NDF: 2212254.6/28

All: 154.398+/-0.020 χ^2/NDF: 4871849.4/58

- sign 151.745+/-0.027 χ^2/NDF: 2640636.6/29


yield_bpm2i02WS_mean vs Slug
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
160
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 170978.411+/-0.059 χ²/NDF:44486354691.1/12
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 170396.902+/-0.062 χ²/NDF:40583024591.1/10
+ sign 163504.619+/-0.041 χ²/NDF: 7733937201
All: 162940.456+/-0.029 χ²/NDF: 1486819
- sign 162390.631+/-0.040 χ²/NDF: 7096485065

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 186.334+/-0.041 χ^2/NDF:154866.5/12

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

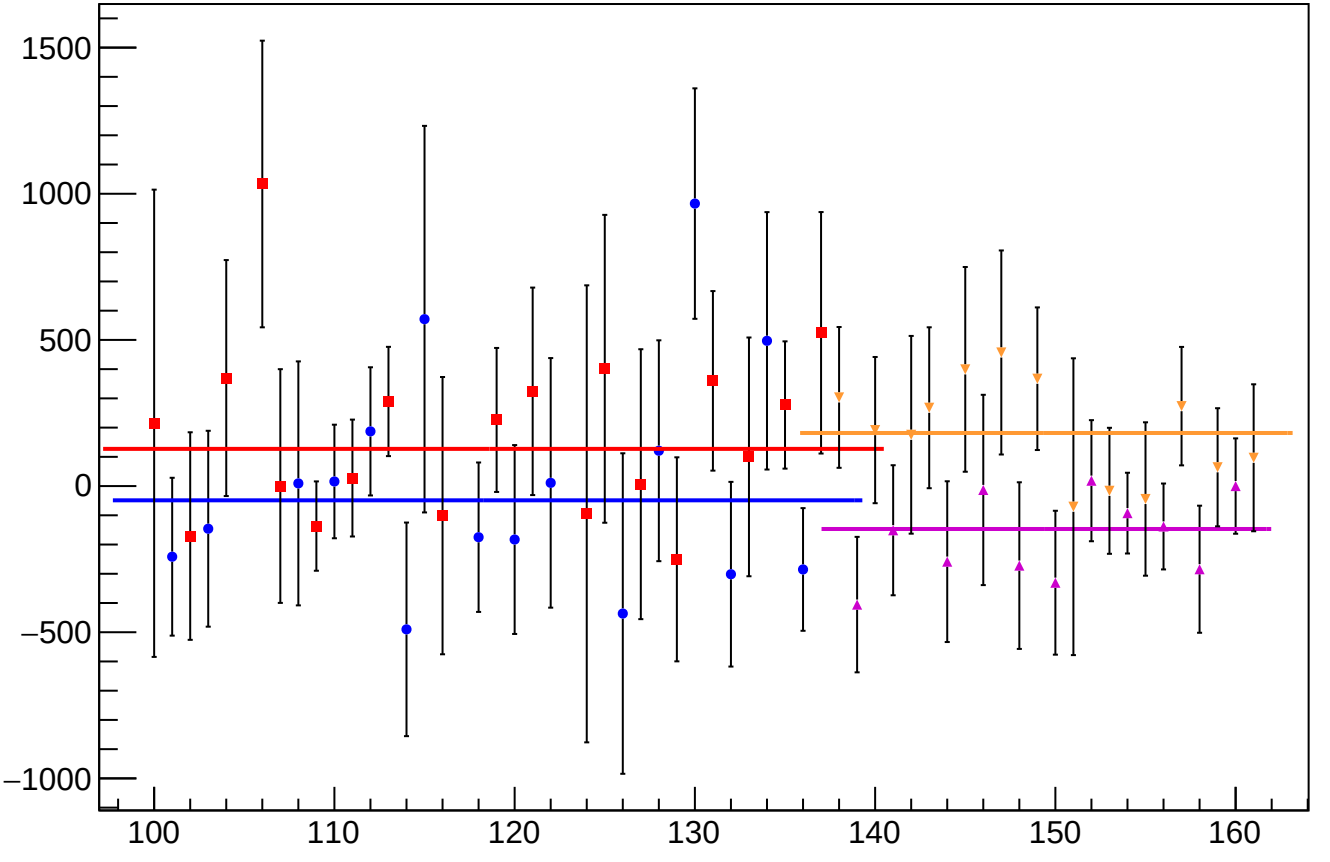
Left In: 188.822+/-0.044 χ^2/NDF:90584.5/10

+ sign 163.210+/-0.029 χ^2/NDF: 2151119.7/28

All: 160.448+/-0.020 χ^2/NDF: 4720563.7/58

- sign 157.756+/-0.028 χ^2/NDF: 2551333.8/29

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 181.621+/-71.993 χ^2/NDF:4.4/12

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

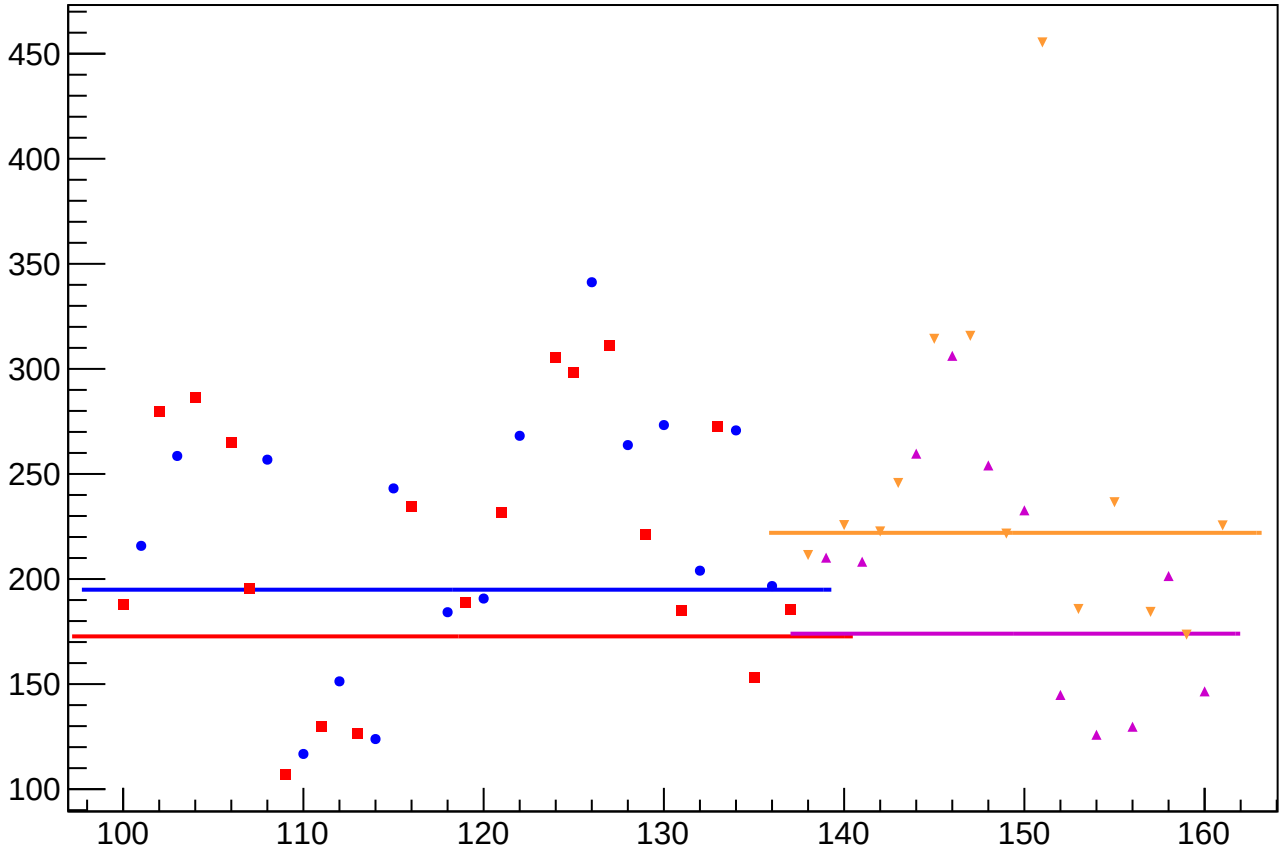
Left In: -146.804+/-60.735 χ^2/NDF:4.3/10

+ sign 73.559+/-52.457 χ^2/NDF: 24.7/28

All: 16.574+/-34.349 χ^2/NDF: 52.9/58

- sign -26.197+/-45.446 χ^2/NDF: 26.2/29

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 221.988+/-0.051 χ^2/NDF:972237.4/12

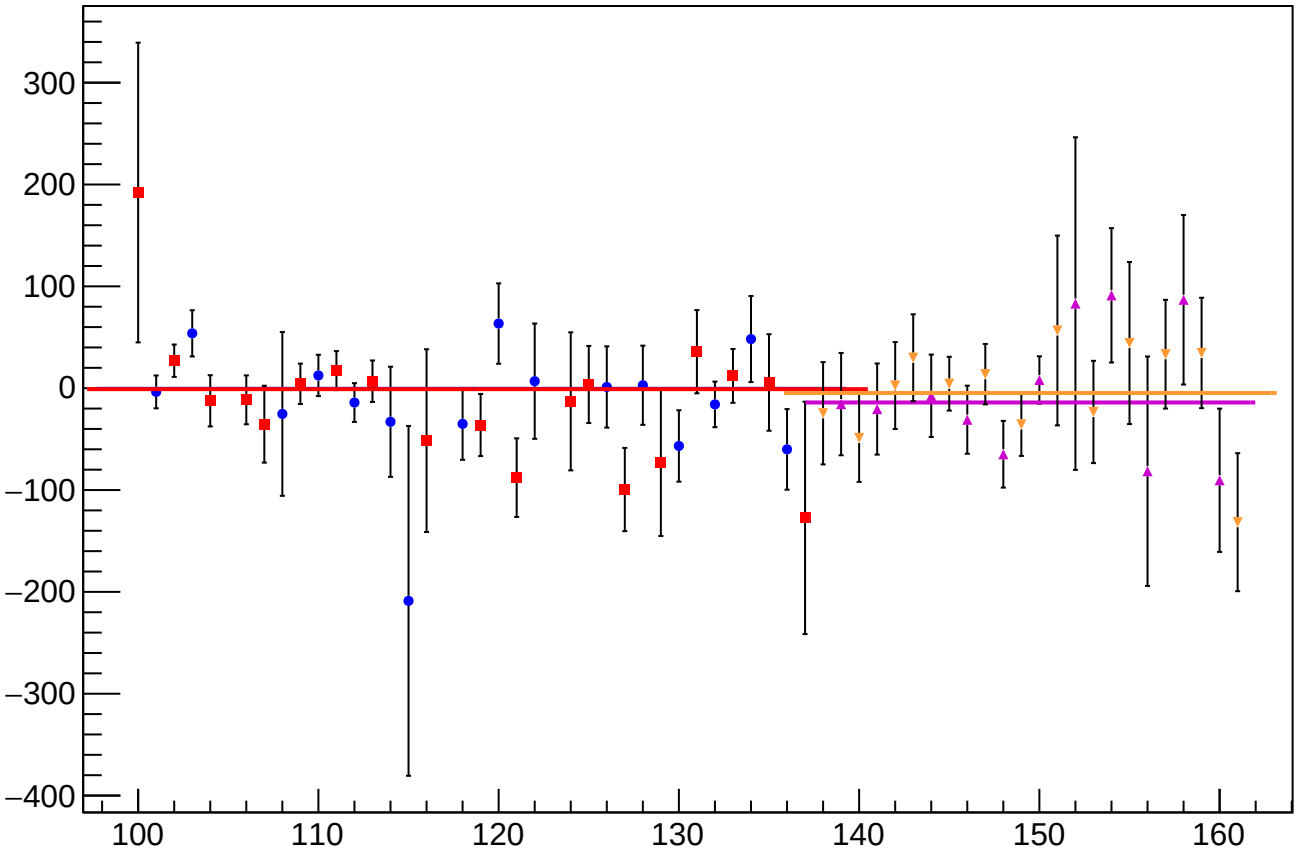
Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 173.991+/-0.043 χ^2/NDF:1444201.8/10

+ sign 209.292+/-0.037 χ^2/NDF: 2133732.4/28

All: 188.803+/-0.024 χ^2/NDF: 5743812.4/58

- sign 173.425+/-0.032 χ^2/NDF: 3075947.5/29



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -4.709+/-11.764 χ^2/NDF:8.9/12

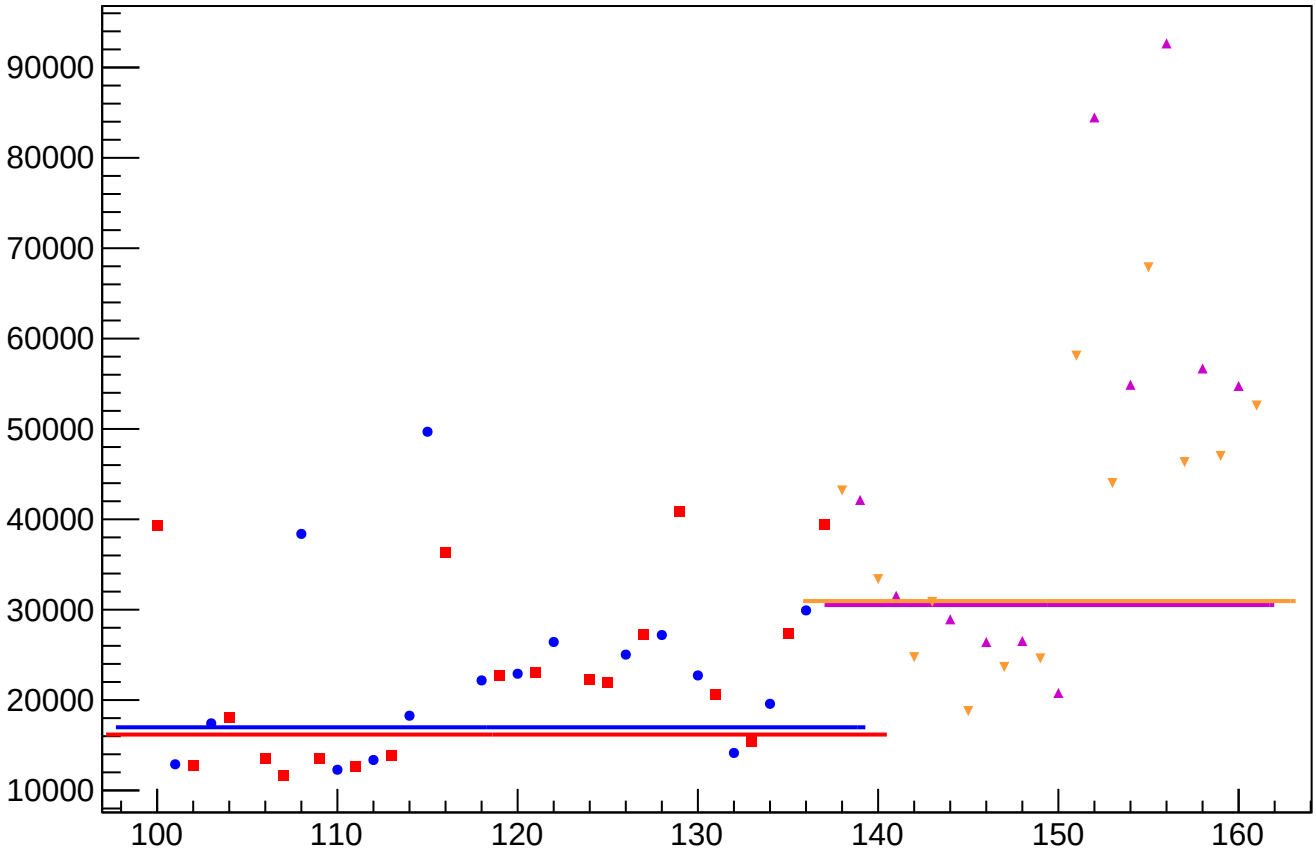
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -14.017+/-13.043 χ^2/NDF:9.5/10

+ sign -1.769+/-6.228 χ^2/NDF: 27.9/28

All: -2.775+/-4.323 χ^2/NDF: 61.3/58

- sign -3.712+/-6.007 χ^2/NDF: 33.4/29



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 30955.925+/-8.319 χ^2/NDF:2078385.3/12

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

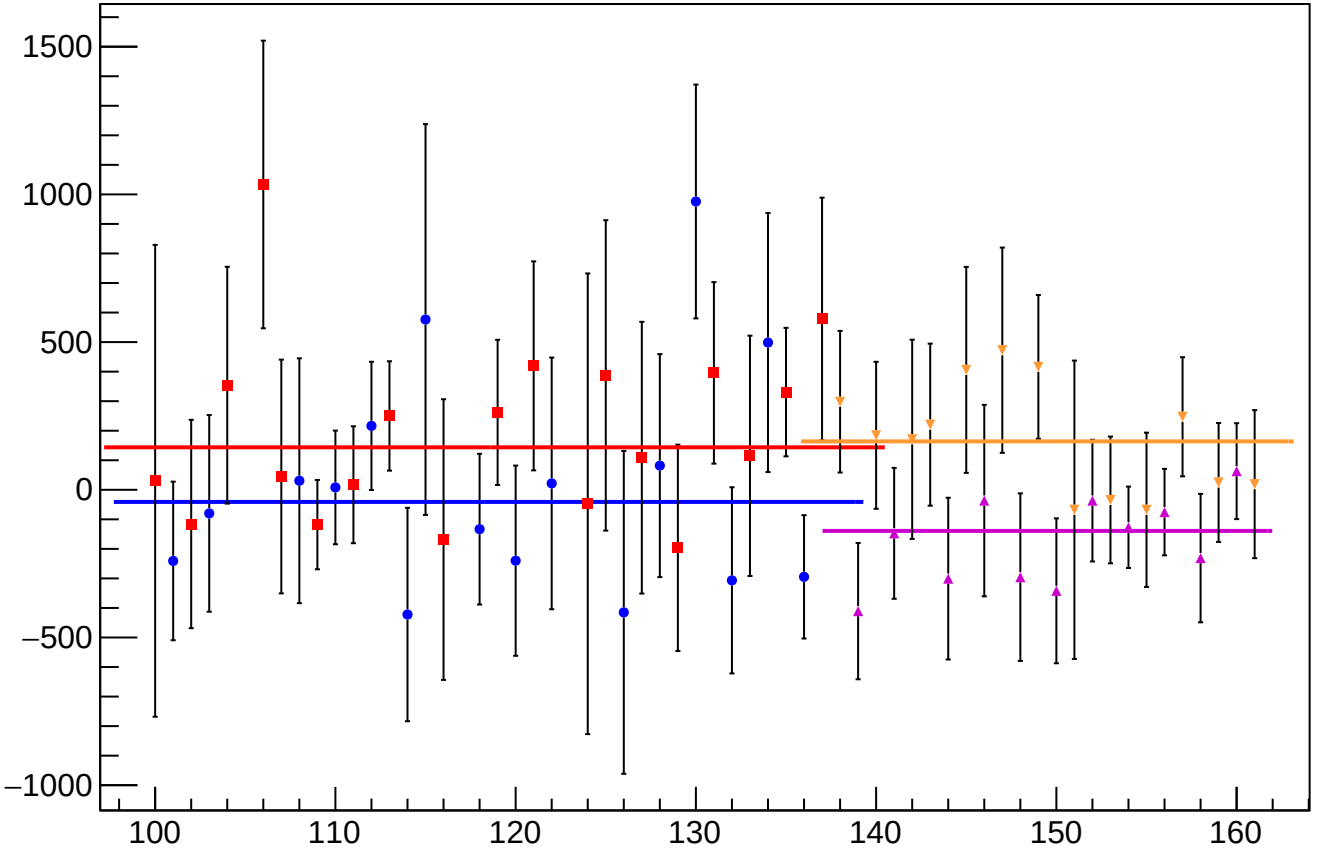
Left In: 30512.471+/-9.223 χ^2/NDF:2056833.8/10

+ sign 20900.793+/-4.404 χ^2/NDF: 5302268.3/28

All: 20030.644+/-3.057 χ^2/NDF: 10588154.9

- sign 19221.098+/-4.247 χ^2/NDF: 5210512.4/29

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 163.859+/-71.690 χ^2/NDF:5.5/12

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

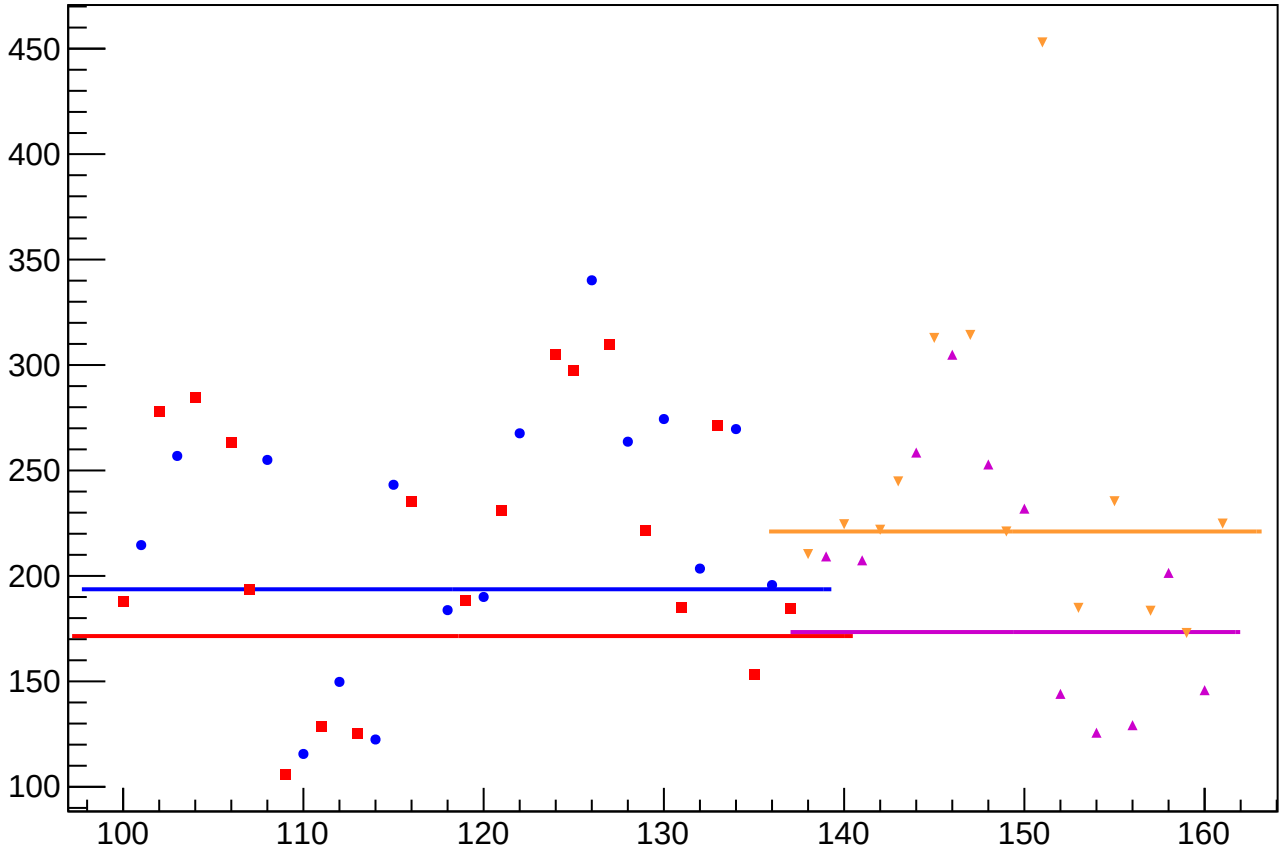
Left In: -139.173+/-60.518 χ^2/NDF:5.0/10

+ sign 67.590+/-52.200 χ^2/NDF: 24.8/28

All: 20.840+/-34.183 χ^2/NDF: 53.9/58

- sign -14.261+/-45.231 χ^2/NDF: 27.7/29

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 221.070+/-0.051 χ^2/NDF:970885.7/12

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

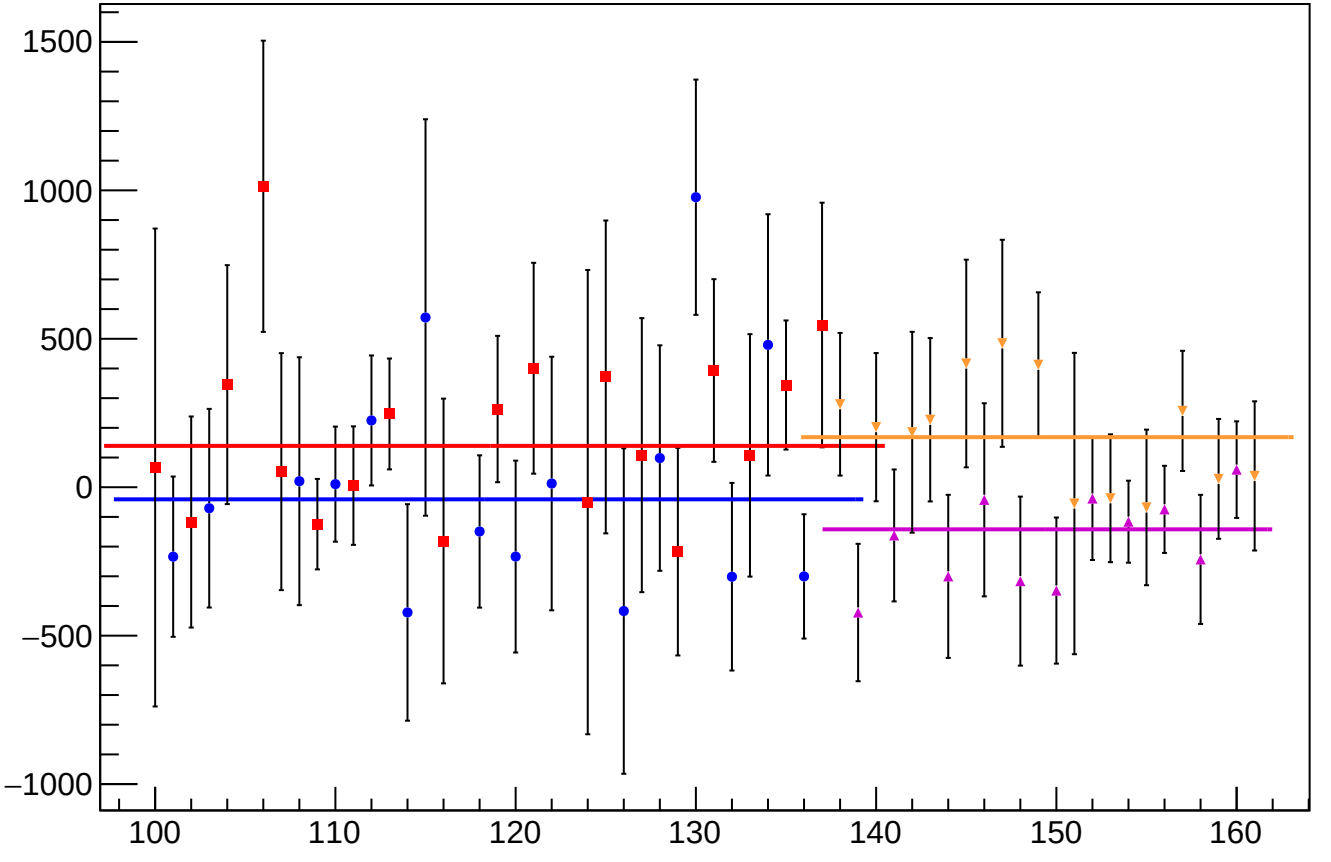
Left In: 173.390+/-0.043 χ^2/NDF:1441813.9/10

+ sign 208.197+/-0.037 χ^2/NDF: 2157914.9/28

All: 187.836+/-0.024 χ^2/NDF: 5786360.1/58

- sign 172.549+/-0.032 χ^2/NDF: 3095679.4/29

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 168.607+/-71.923 χ^2/NDF:5.5/12

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

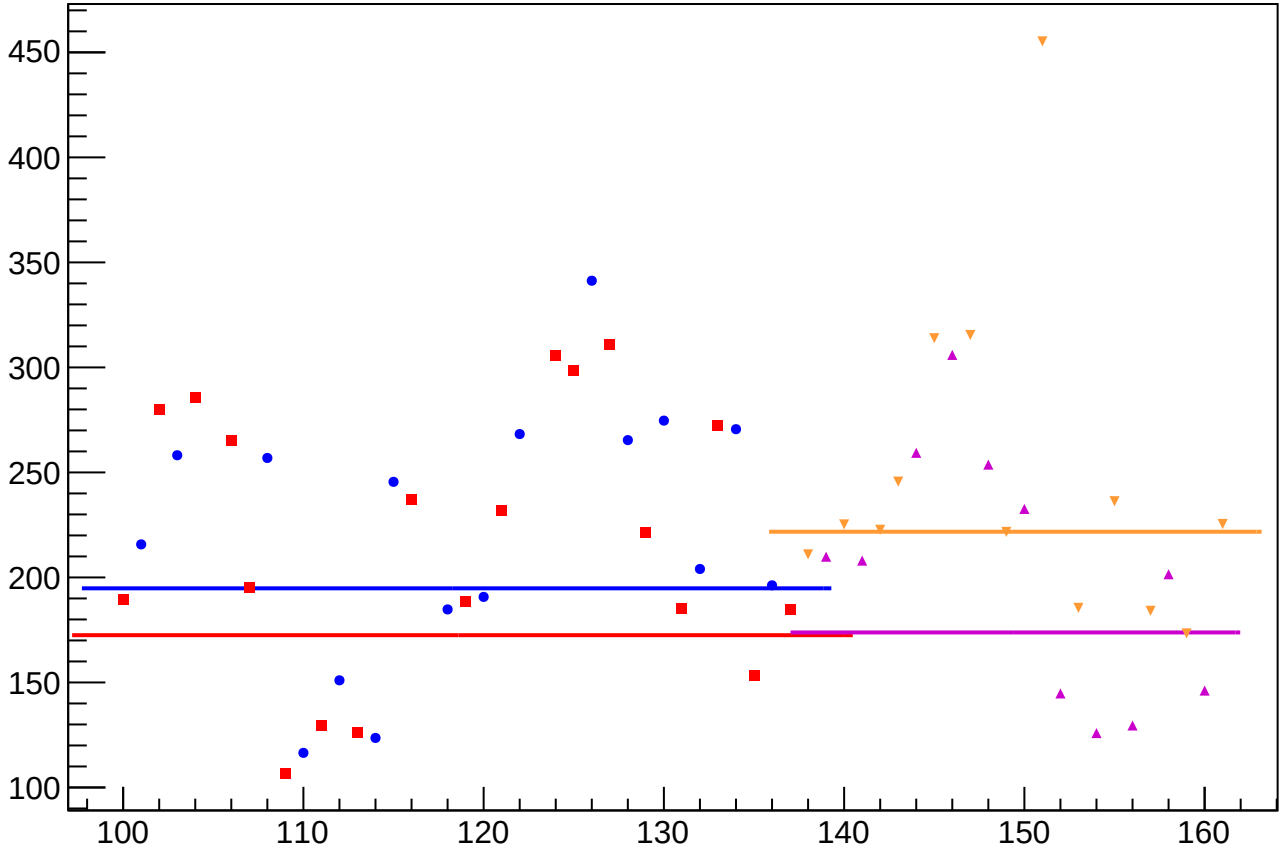
Left In: -141.895+/-60.674 χ^2/NDF:5.2/10

+ sign 70.464+/-52.426 χ^2/NDF: 24.8/28

All: 19.808+/-34.323 χ^2/NDF: 54.0/58

- sign -18.192+/-45.407 χ^2/NDF: 27.6/29

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 221.765+/-0.051 χ^2/NDF:973275.9/12

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

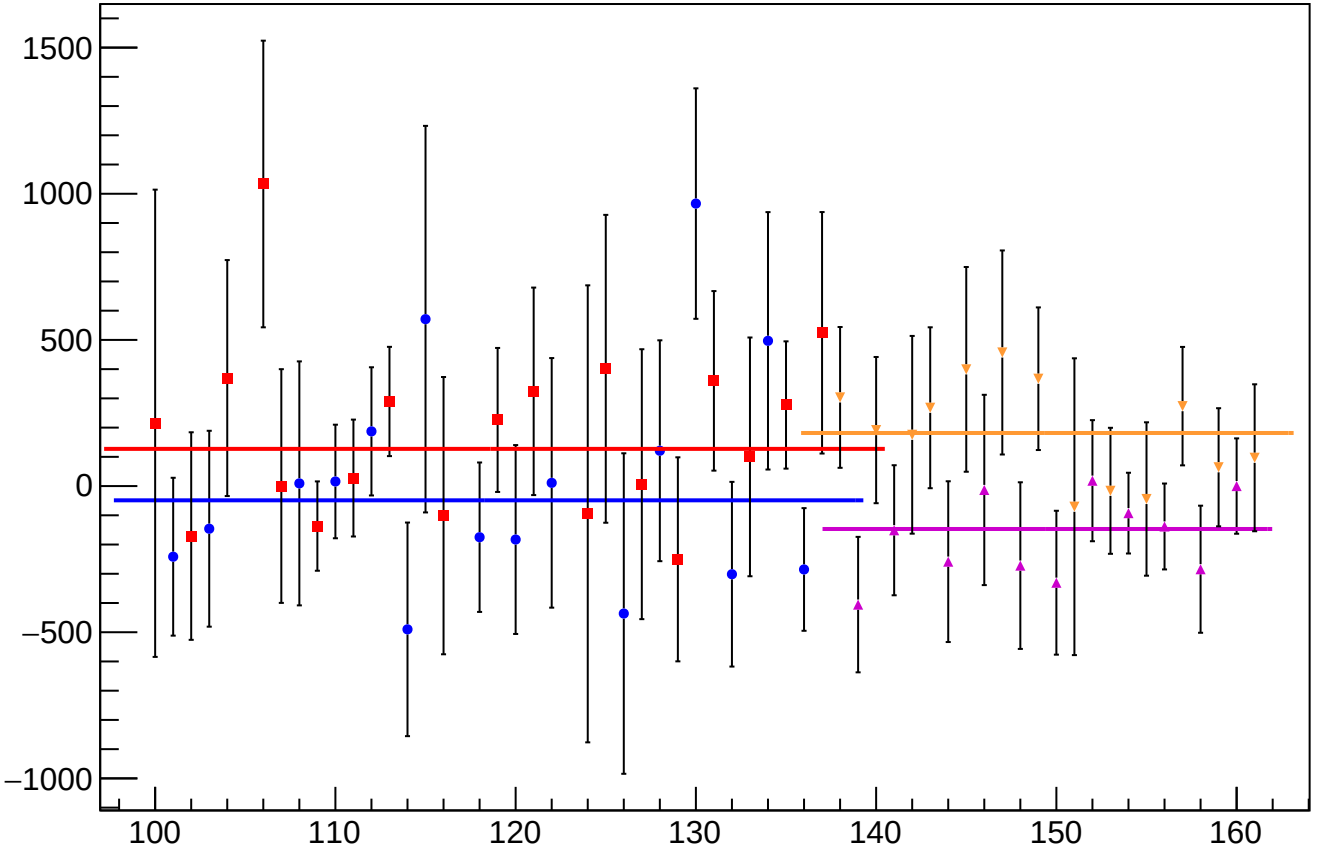
Left In: 173.814+/-0.043 χ^2/NDF:1444653.1/10

+ sign 209.136+/-0.037 χ^2/NDF: 2143933.7/28

All: 188.625+/-0.024 χ^2/NDF: 5766829.3/58

- sign 173.239+/-0.032 χ^2/NDF: 3087120.4/29

asym_bcm_an_us_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 181.621+/-71.993 χ^2/NDF:4.4/12

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

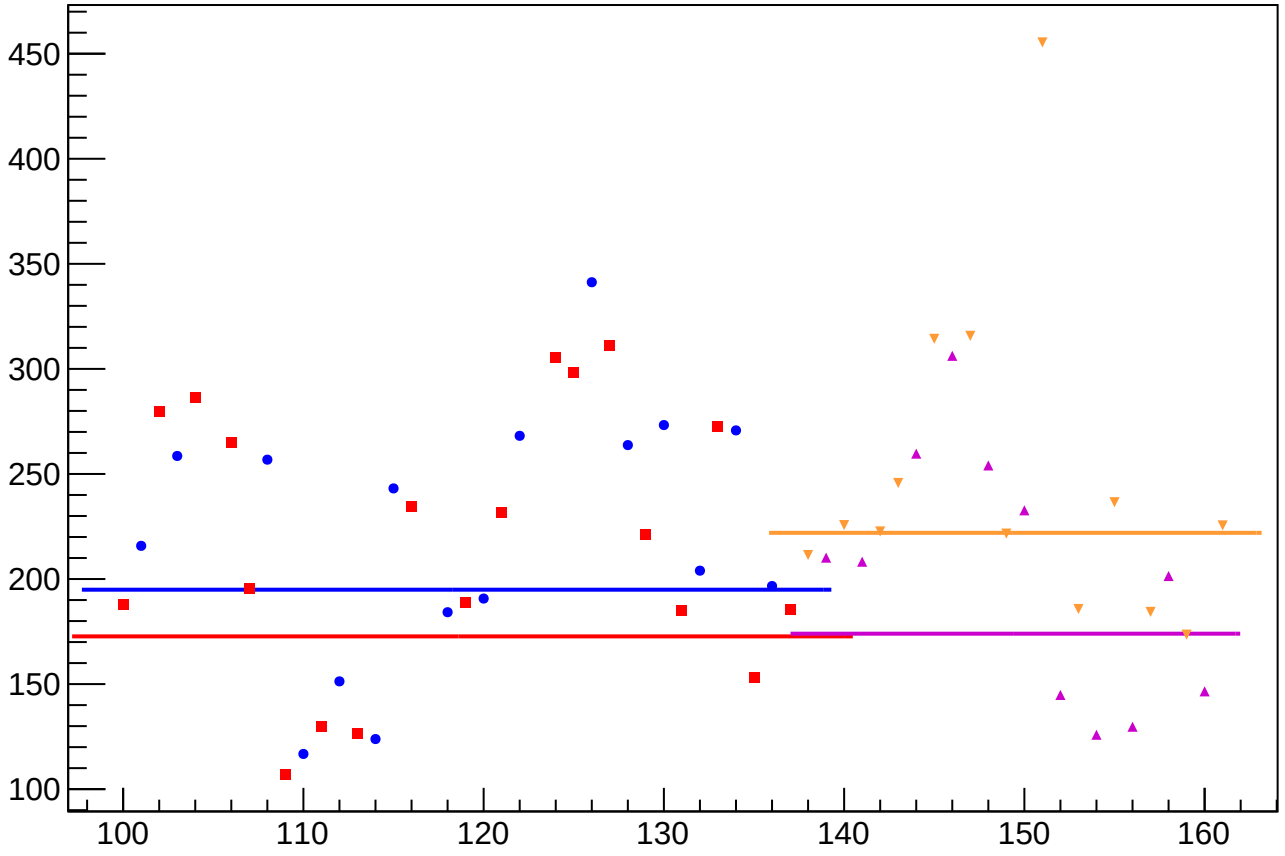
Left In: -146.804+/-60.735 χ^2/NDF:4.3/10

+ sign 73.559+/-52.457 χ^2/NDF: 24.7/28

All: 16.574+/-34.349 χ^2/NDF: 52.9/58

- sign -26.197+/-45.446 χ^2/NDF: 26.2/29

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 221.988+/-0.051 χ^2/NDF:972237.4/12

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

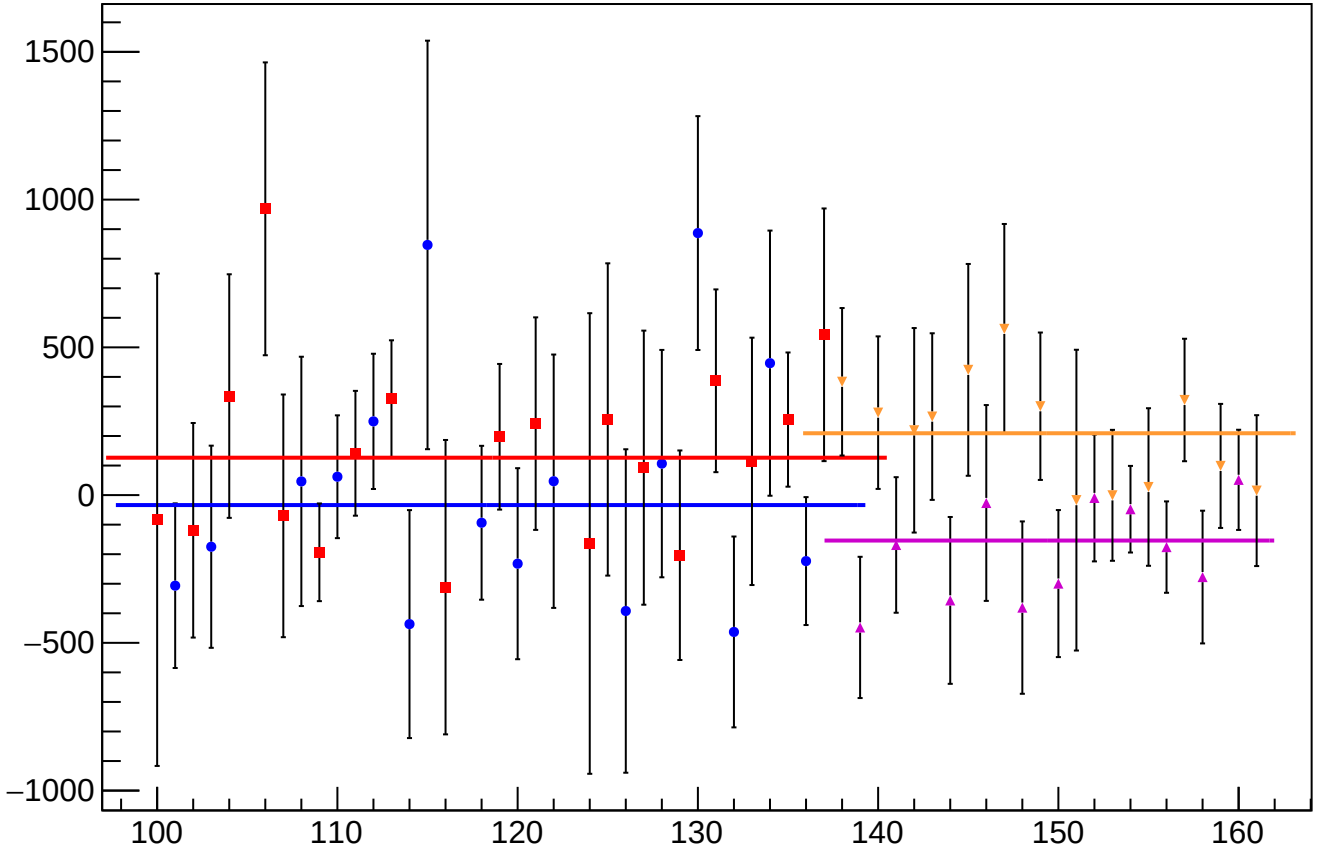
Left In: 173.991+/-0.043 χ^2/NDF:1444201.8/10

\+ sign 209.292+/-0.037 χ^2/NDF: 2133732.4/28

All: 188.803+/-0.024 χ^2/NDF: 5743812.4/58

\- sign 173.425+/-0.032 χ^2/NDF: 3075947.5/29

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 209.309+/-73.841 χ^2/NDF:4.8/12

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

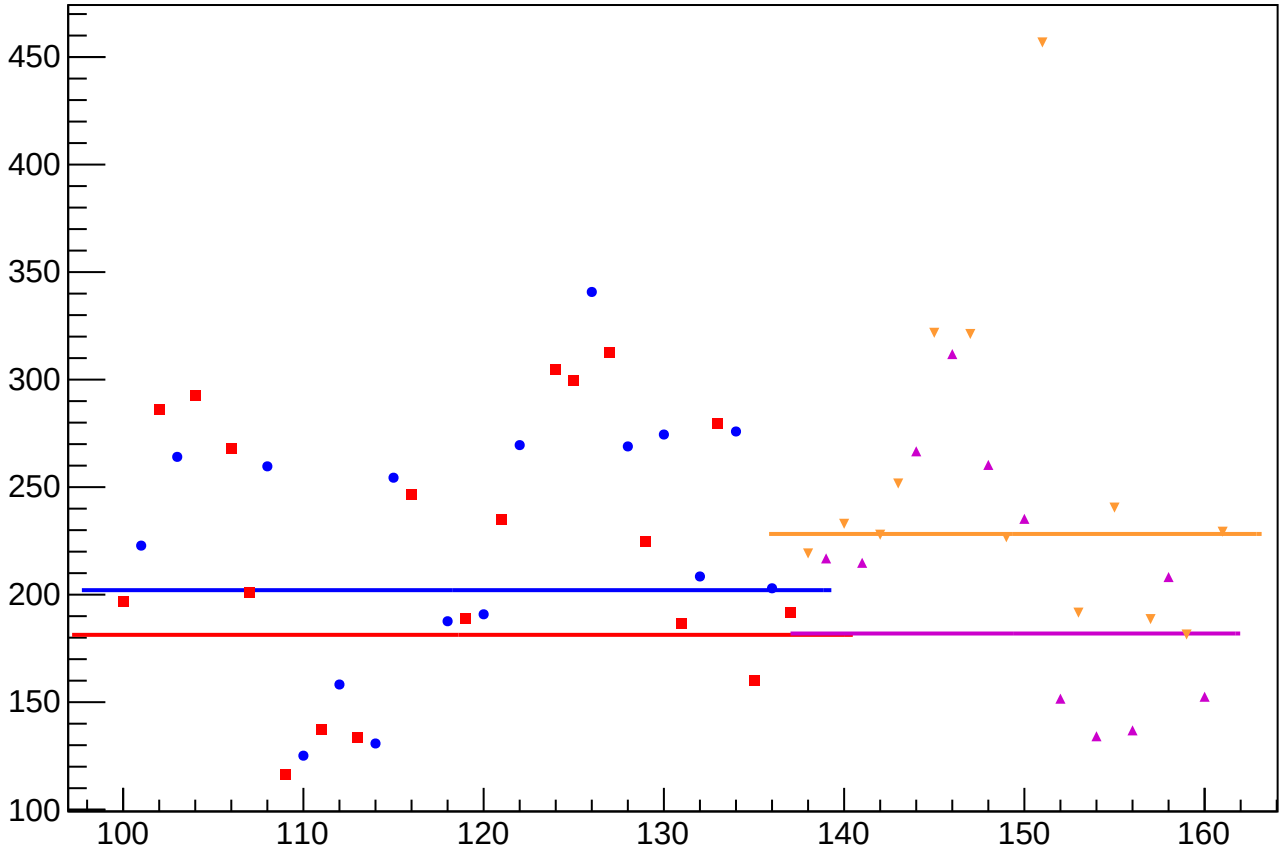
Left In: -153.805+/-63.153 χ^2/NDF:5.9/10

+ sign 95.977+/-53.944 χ^2/NDF: 25.6/28

All: 24.408+/-35.555 χ^2/NDF: 55.9/58

- sign -30.565+/-47.278 χ^2/NDF: 27.2/29

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 228.232+/-0.052 χ^2/NDF:925134.0/12

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

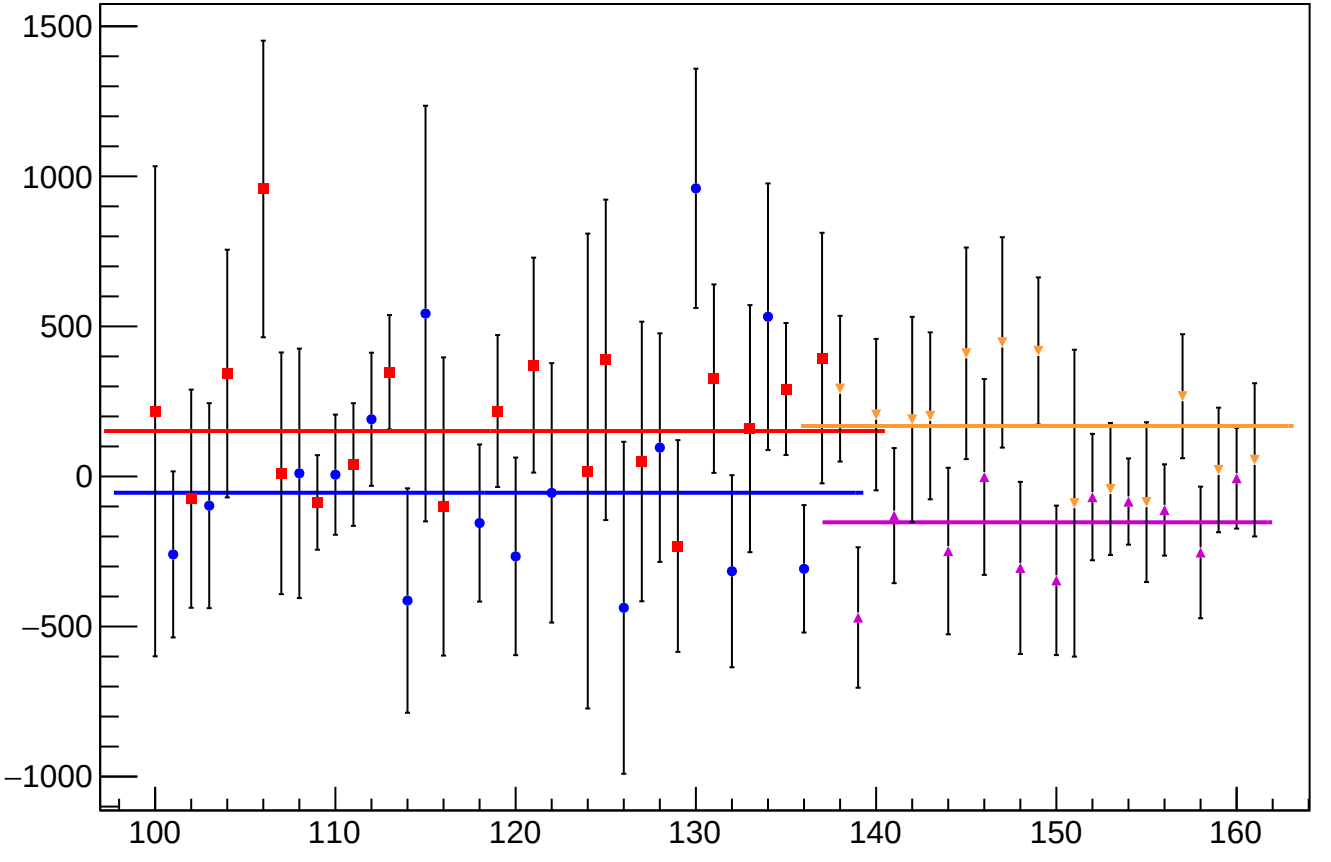
Left In: 181.932+/-0.045 χ^2/NDF:1317426.9/10

+ sign 216.042+/-0.038 χ^2/NDF: 1952282.7/28

All: 196.596+/-0.025 χ^2/NDF: 5170298.6/58

- sign 181.660+/-0.033 χ^2/NDF: 2758500.9/29

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 168.068+/-73.009 χ^2/NDF:5.4/12

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

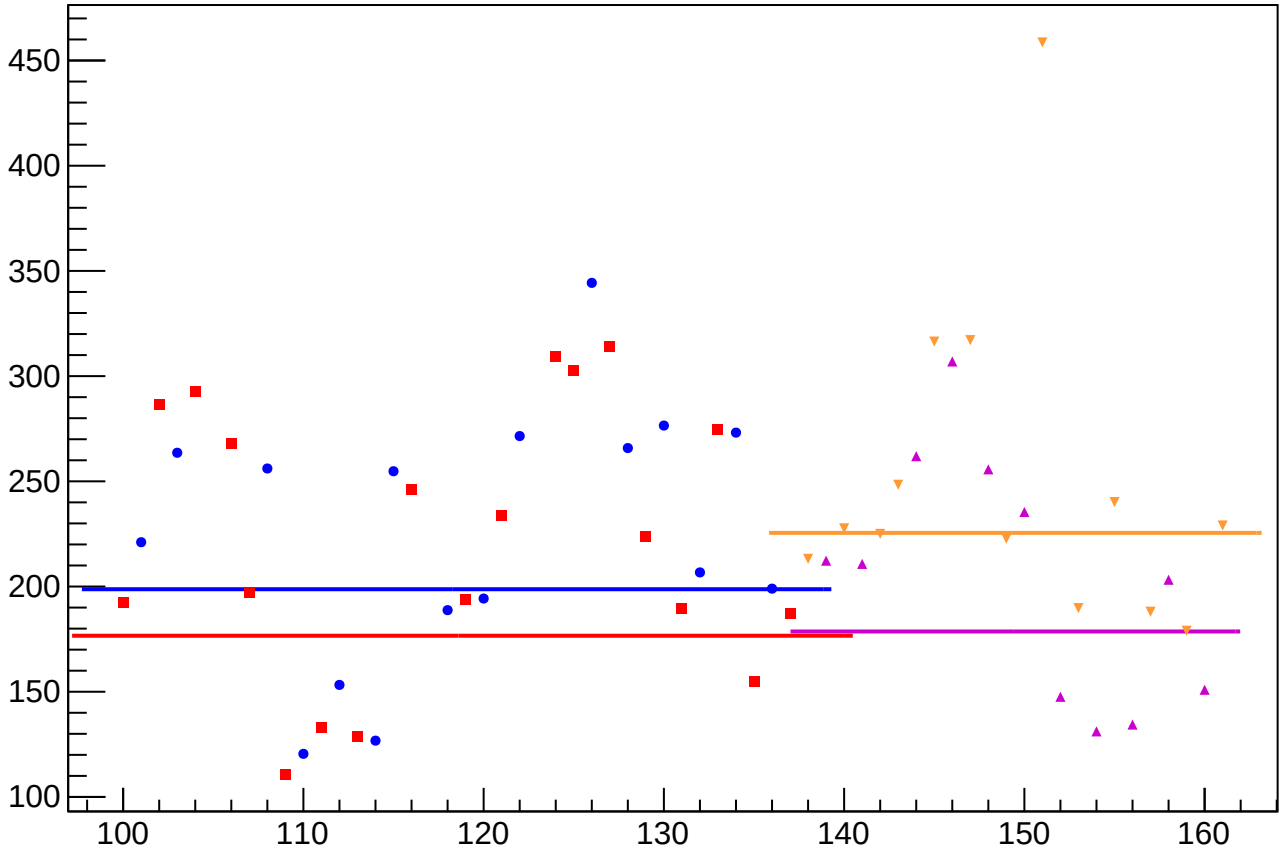
Left In: -152.723+/-62.106 χ^2/NDF:4.5/10

+ sign 64.170+/-53.285 χ^2/NDF: 24.9/28

All: 17.133+/-35.005 χ^2/NDF: 51.5/58

- sign -18.577+/-46.428 χ^2/NDF: 25.3/29

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 225.503+/-0.052 χ^2/NDF:930045.5/12

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

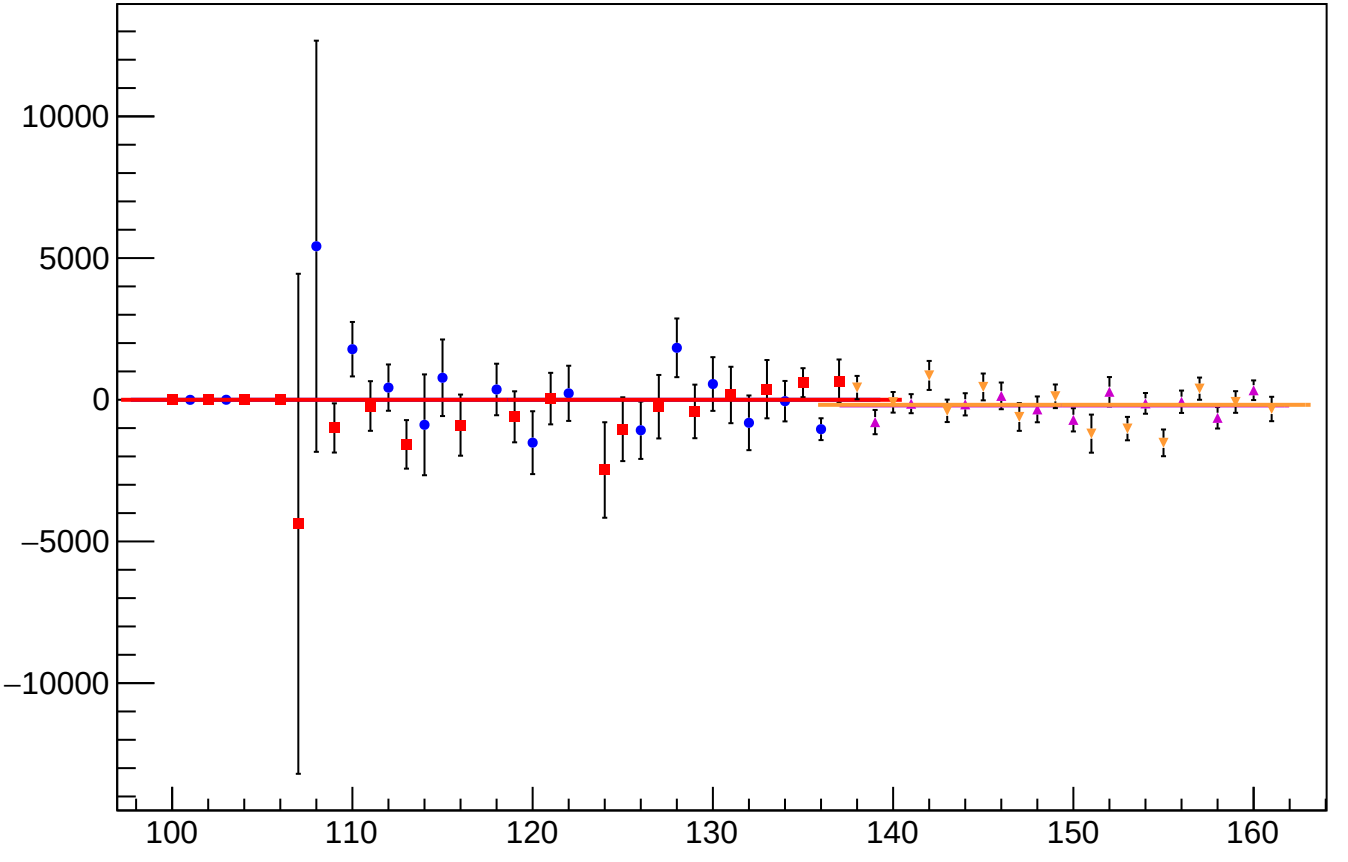
Left In: 178.643+/-0.044 χ^2/NDF:1331523.7/10

+ sign 212.986+/-0.038 χ^2/NDF: 2049914.1/28

All: 192.957+/-0.025 χ^2/NDF: 5475191.5/58

- sign 177.751+/-0.033 χ^2/NDF: 2928168.4/29

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -178.384+/-120.095 χ^2/NDF:26.5/12

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

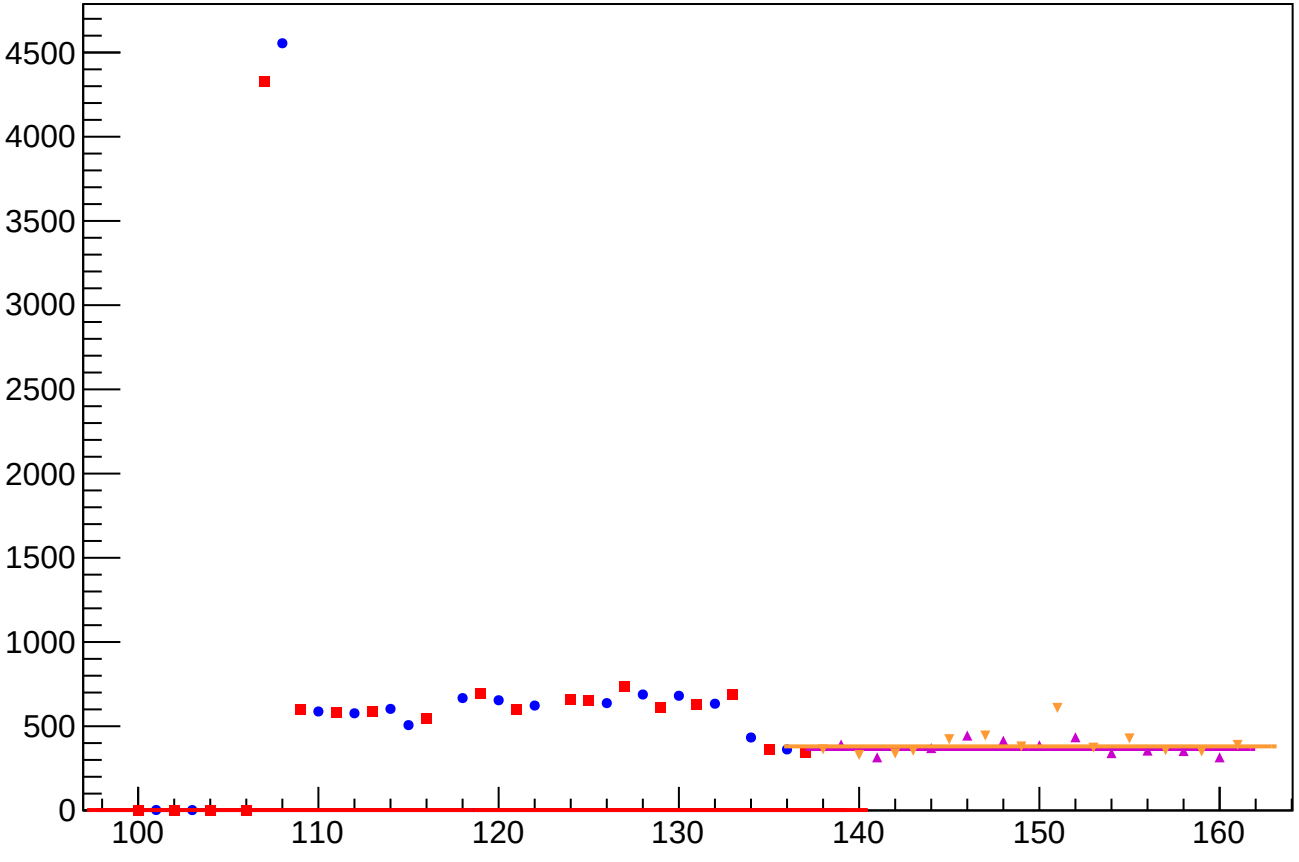
Left In: -200.107+/-120.383 χ^2/NDF:8.8/10

+ sign -1.297+/-2.170 χ^2/NDF: 48.6/28

All: -1.370+/-1.480 χ^2/NDF: 77.0/58

- sign -1.433+/-2.022 χ^2/NDF: 28.4/29

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 380.429+/-0.085 χ^2/NDF:386490.1/12

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

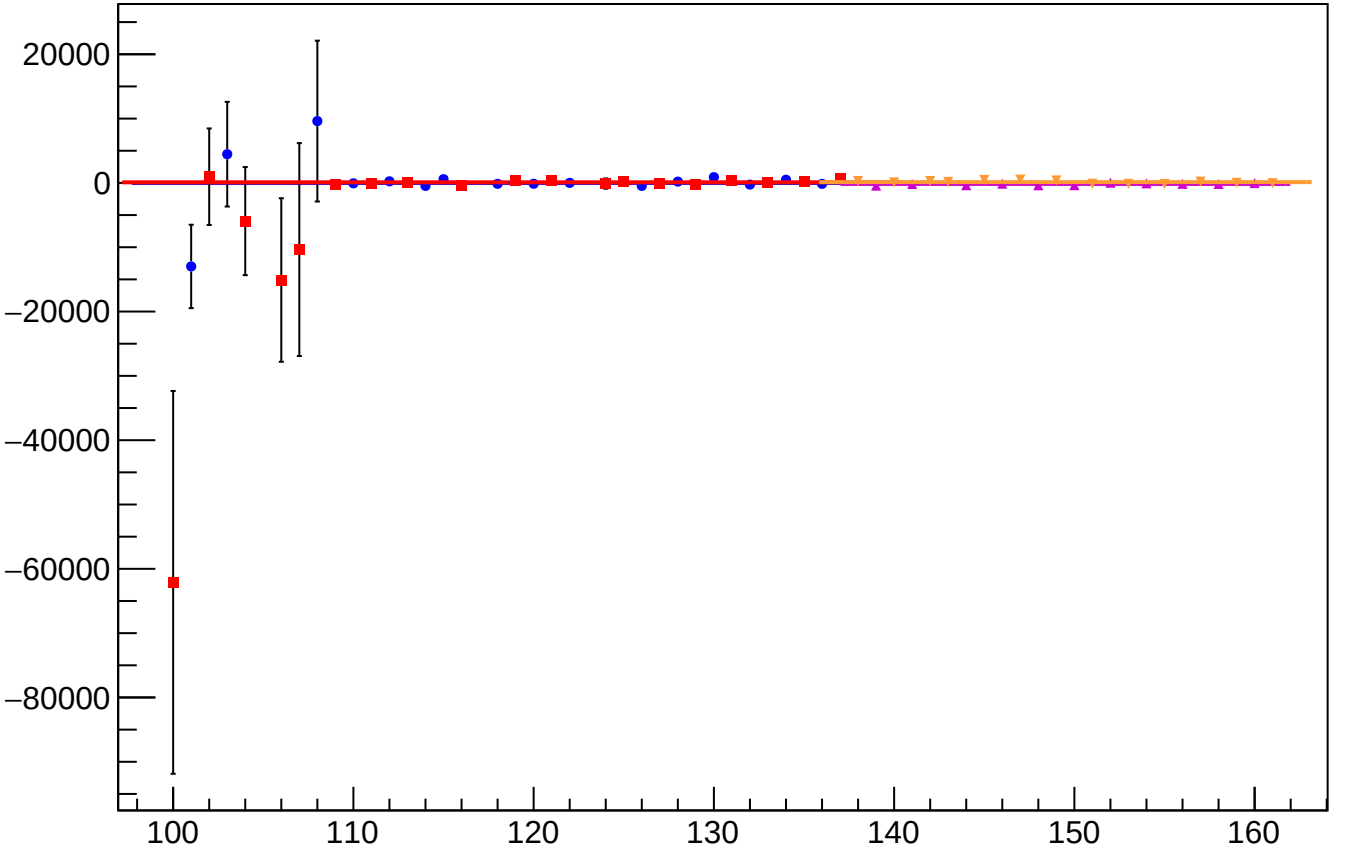
Left In: 364.910+/-0.085 χ^2/NDF:226858.8/10

+ sign 2.600+/-0.002 χ^2/NDF: 31814871.0/28

All: 2.581+/-0.001 χ^2/NDF: 61712027.8/58

- sign 2.564+/-0.001 χ^2/NDF: 29896866.8/29

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 122.412+/-77.830 χ^2/NDF:6.9/12

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

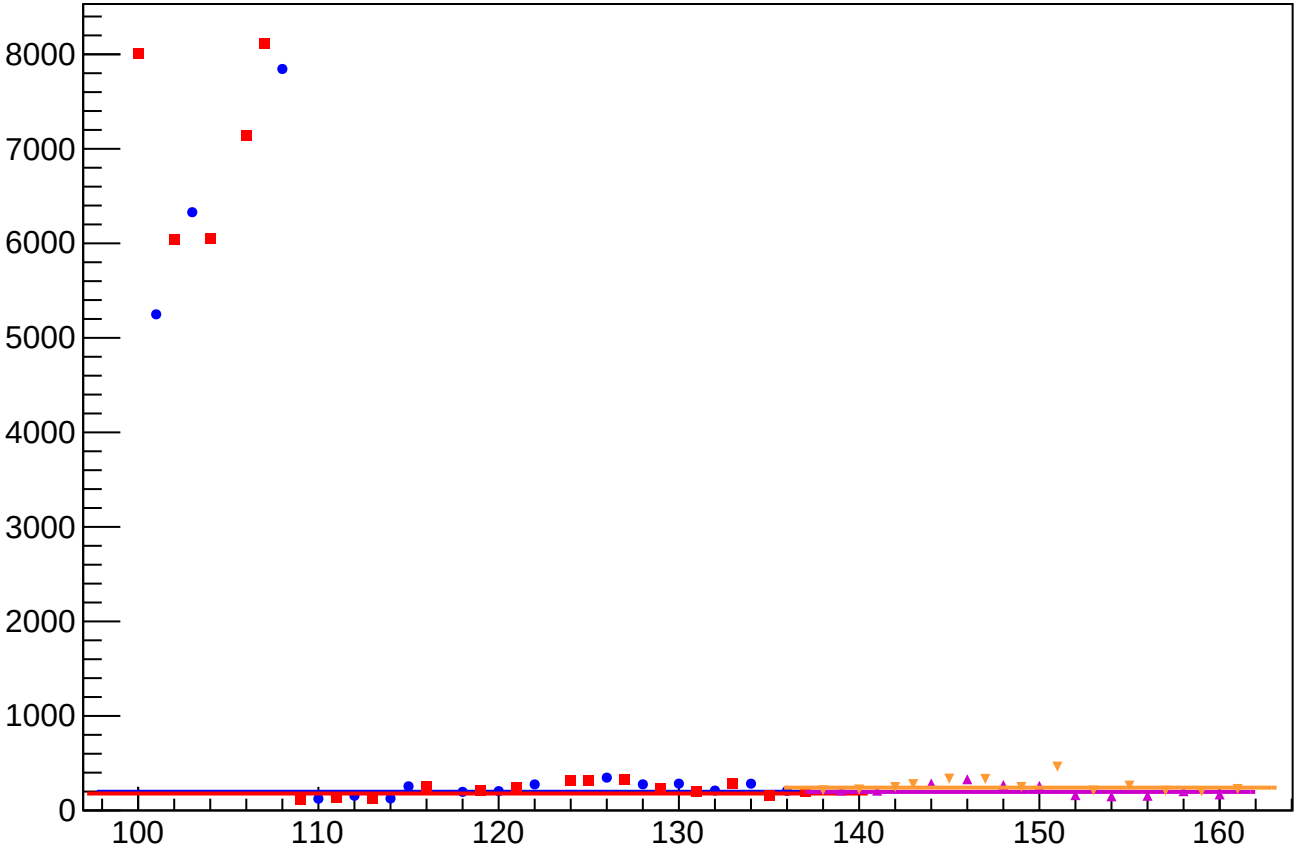
Left In: -156.733+/-67.465 χ^2/NDF:4.3/10

+ sign 68.817+/-58.248 χ^2/NDF: 24.8/28

All: -1.391+/-38.790 χ^2/NDF: 51.9/58

- sign -57.337+/-51.997 χ^2/NDF: 24.5/29

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 241.415+/-0.055 χ^2/NDF:850465.5/12

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

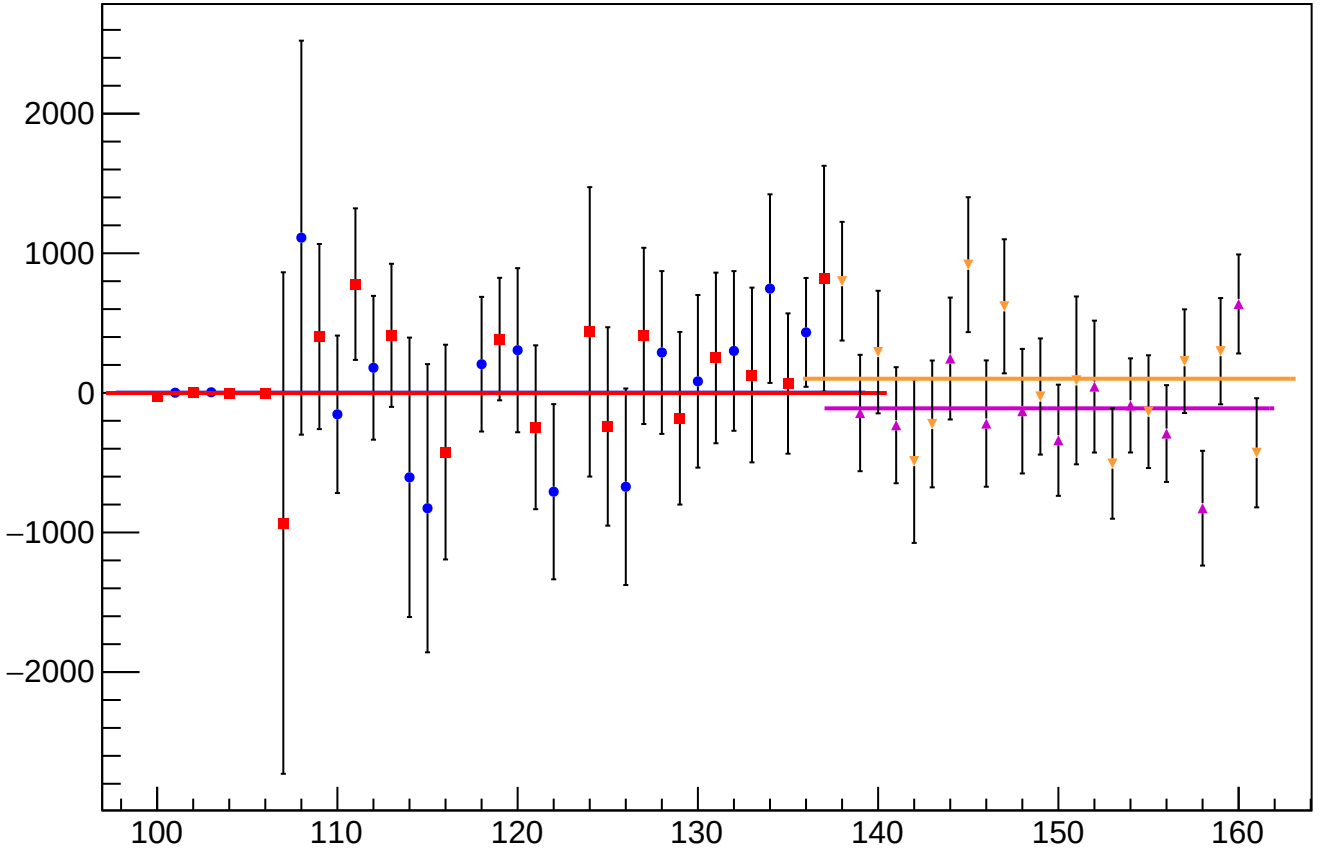
Left In: 196.072+/-0.048 χ^2/NDF:1063078.3/10

+ sign 222.149+/-0.041 χ^2/NDF: 5086227.6/28

All: 203.836+/-0.027 χ^2/NDF: 10973456.9/58

- sign 189.243+/-0.037 χ^2/NDF: 5531988.2/29

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 101.476+/-120.499 χ^2/NDF:13.5/12

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

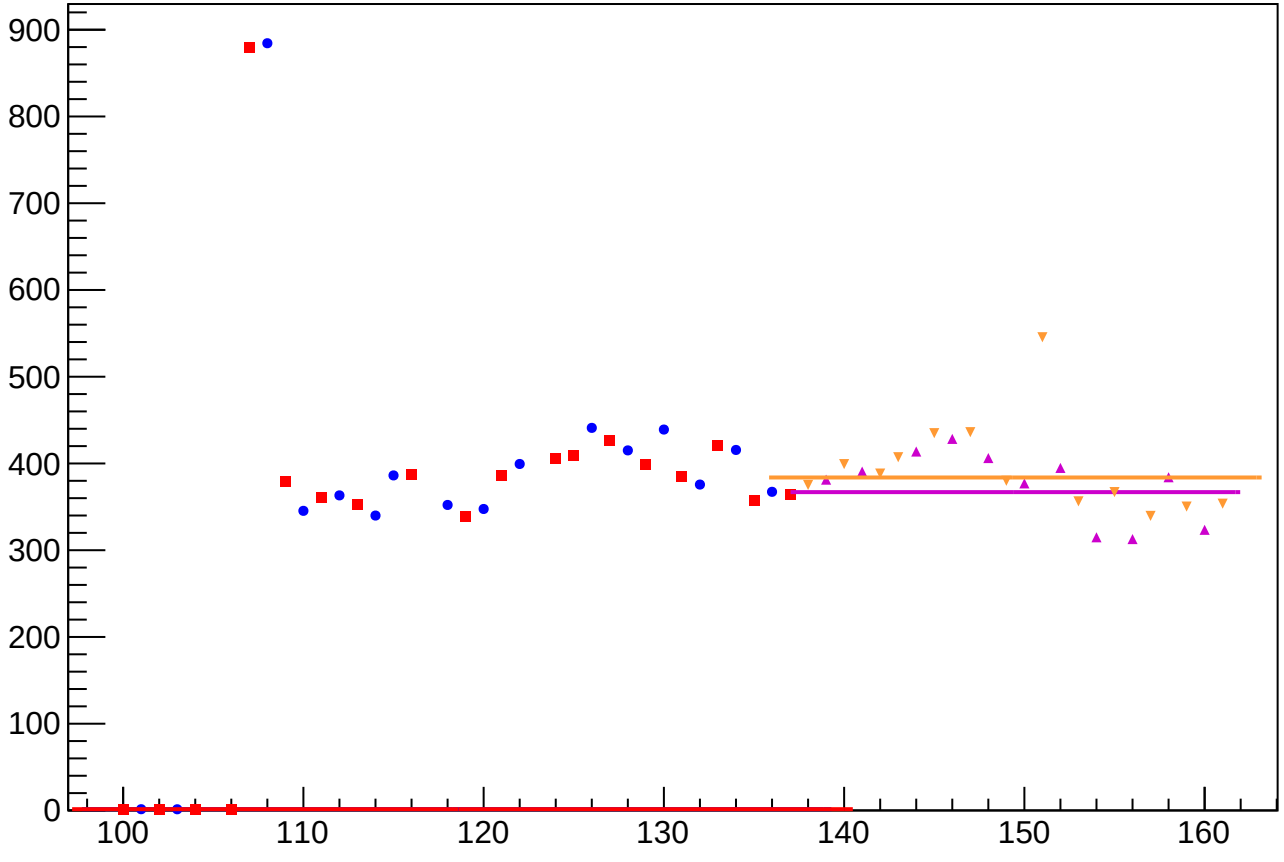
Left In: -110.851+/-120.843 χ^2/NDF:9.0/10

+ sign 1.475+/-1.660 χ^2/NDF: 22.0/28

All: 0.075+/-1.124 χ^2/NDF: 42.3/58

- sign -1.111+/-1.528 χ^2/NDF: 19.0/29

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 383.840+/-0.085 χ^2/NDF:268490.4/12

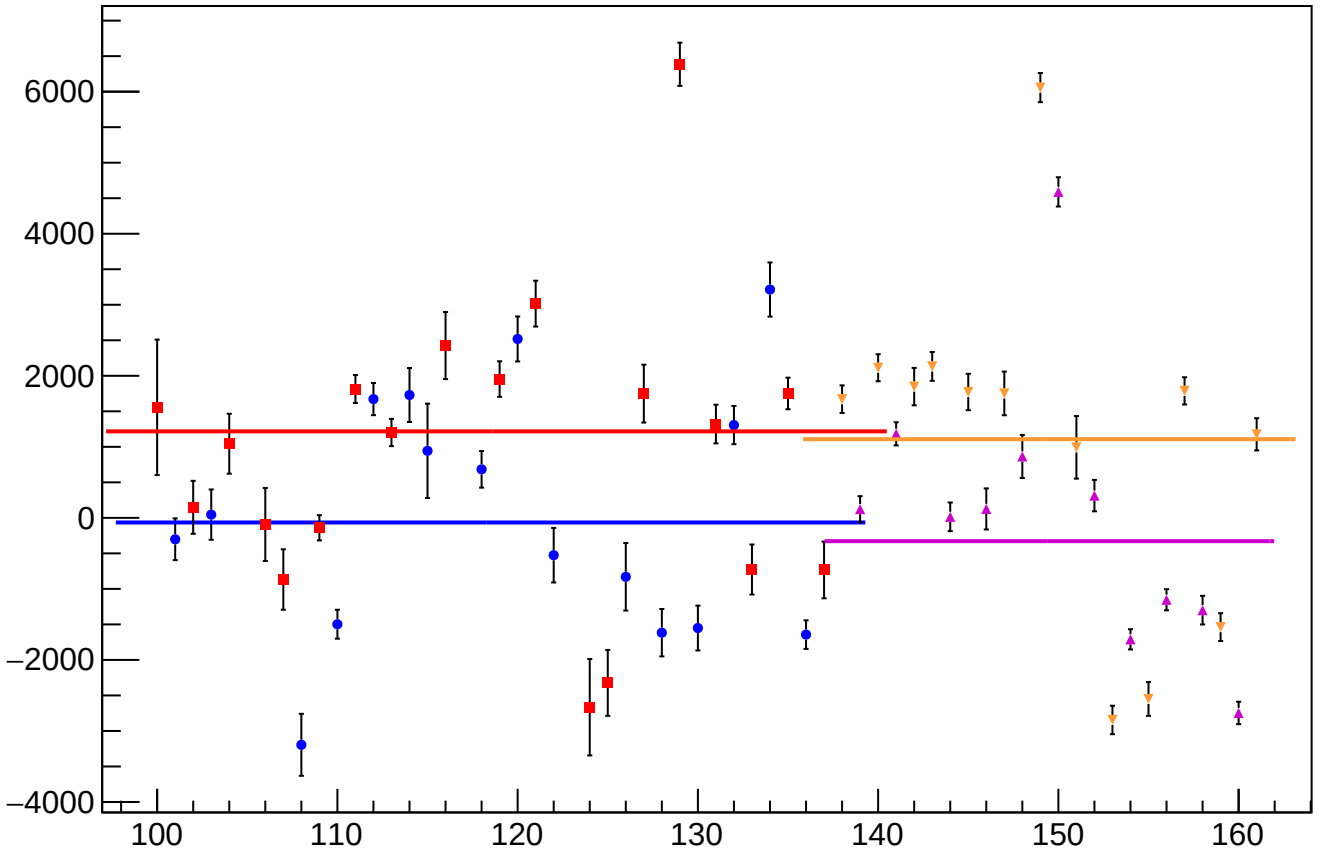
Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 366.958+/-0.085 χ^2/NDF:222337.9/10

+ sign 1.543+/-0.001 χ^2/NDF: 32138657.3/28

All: 1.533+/-0.001 χ^2/NDF: 61923935.5/58

- sign 1.526+/-0.001 χ^2/NDF: 29785162.1/29



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1107.538+/-61.694 χ^2/NDF:1483.5/12

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

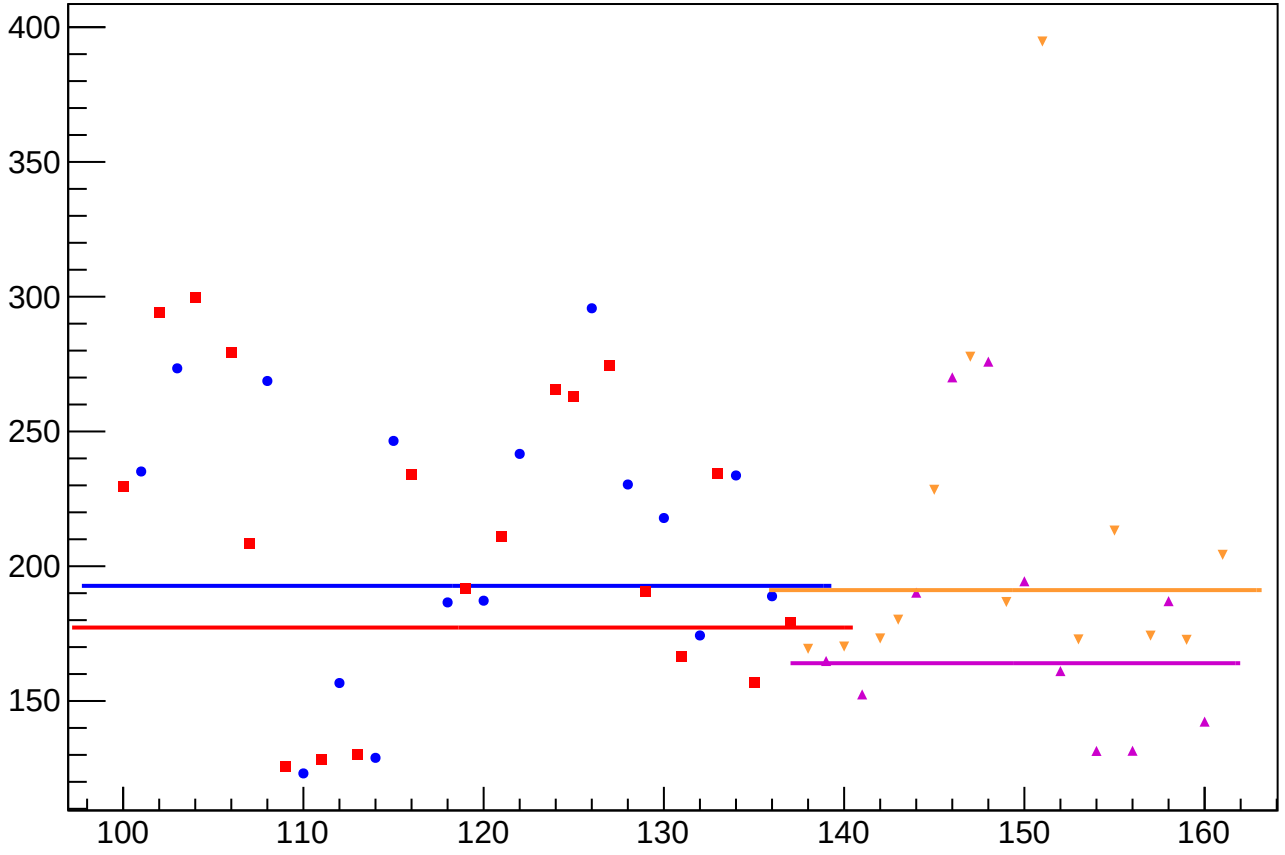
Left In: -328.028+/-56.010 χ^2/NDF:1074.4/10

+ sign 633.546+/-47.619 χ^2/NDF: 2099.0/28

All: 443.930+/-32.113 χ^2/NDF: 4099.5/58

- sign 285.753+/-43.492 χ^2/NDF: 1971.4/29

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 191.136+/-0.044 χ^2/NDF:767135.2/12

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

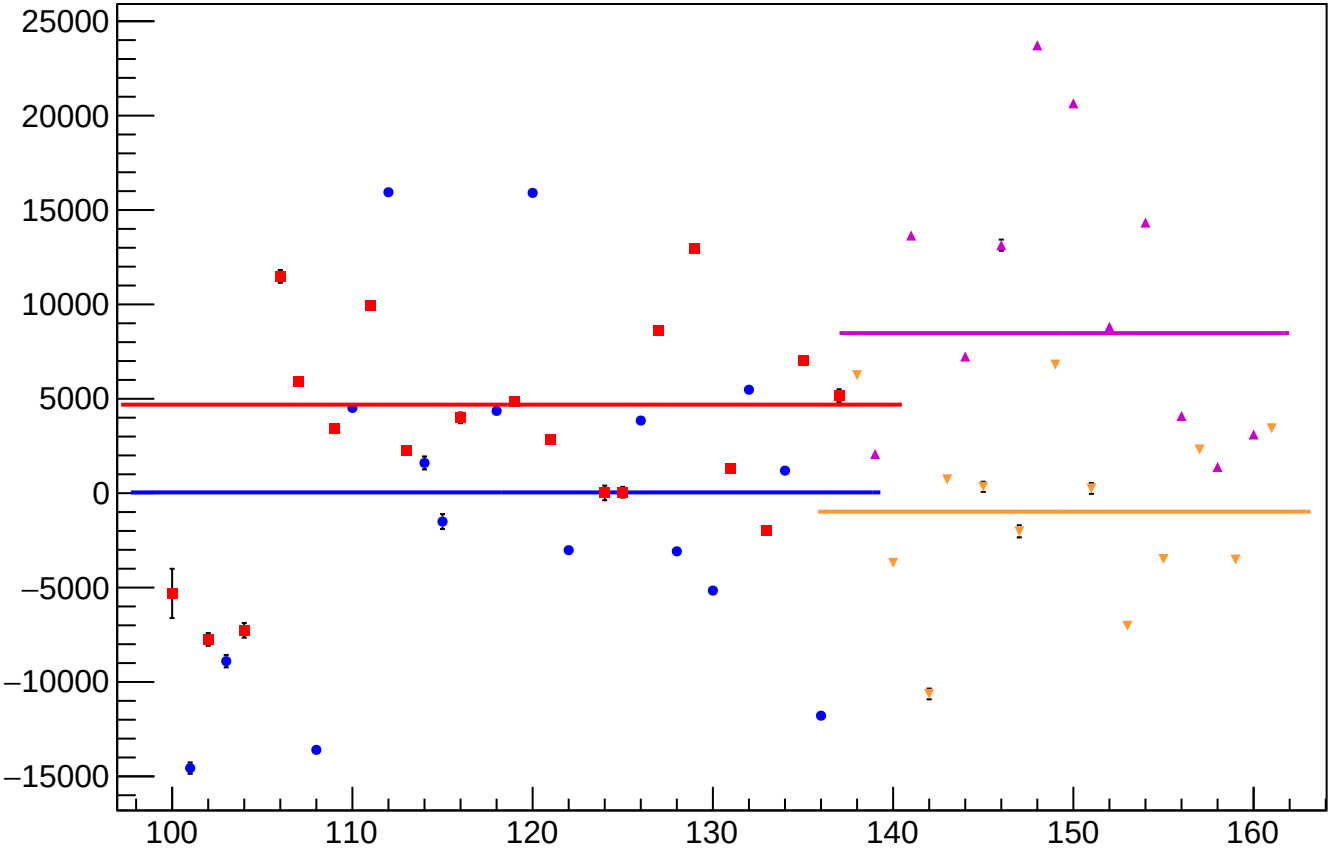
Left In: 164.018+/-0.040 χ^2/NDF:893038.7/10

+ sign 191.776+/-0.034 χ^2/NDF: 1526813.7/28

All: 179.507+/-0.023 χ^2/NDF: 3933892.1/58

- sign 169.272+/-0.031 χ^2/NDF: 2163547.6/29

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -977.609+/-53.726 χ^2/NDF:7438.4/12

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

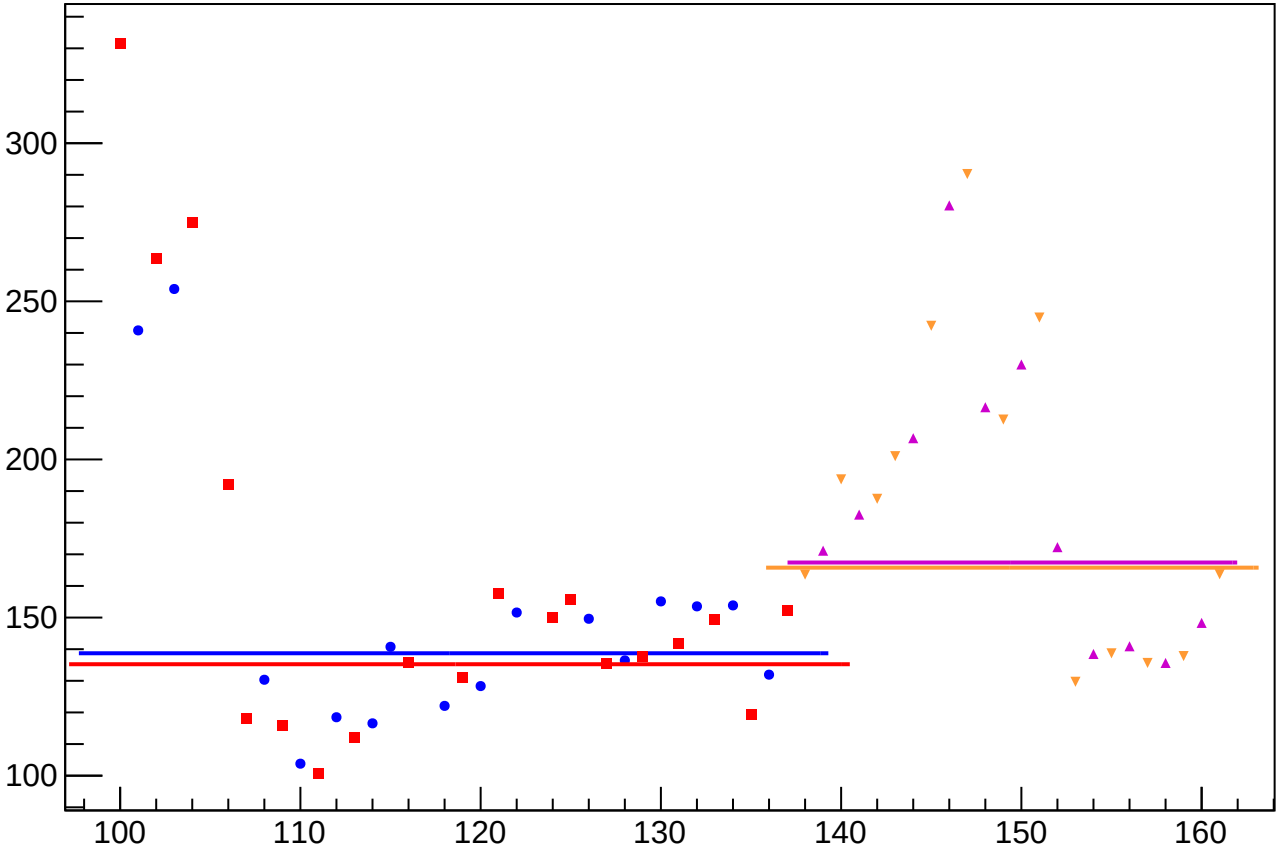
Left In: 8478.858+/-56.825 χ^2/NDF:14215.2/10

+ sign -472.808+/-38.156 χ^2/NDF: 38402.8/28

All: 2951.614+/-27.066 χ^2/NDF: 79042.4/58

- sign 6420.034+/-38.400 χ^2/NDF: 24426.8/29

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 165.784+/-0.038 χ^2/NDF:1126152.4/12

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

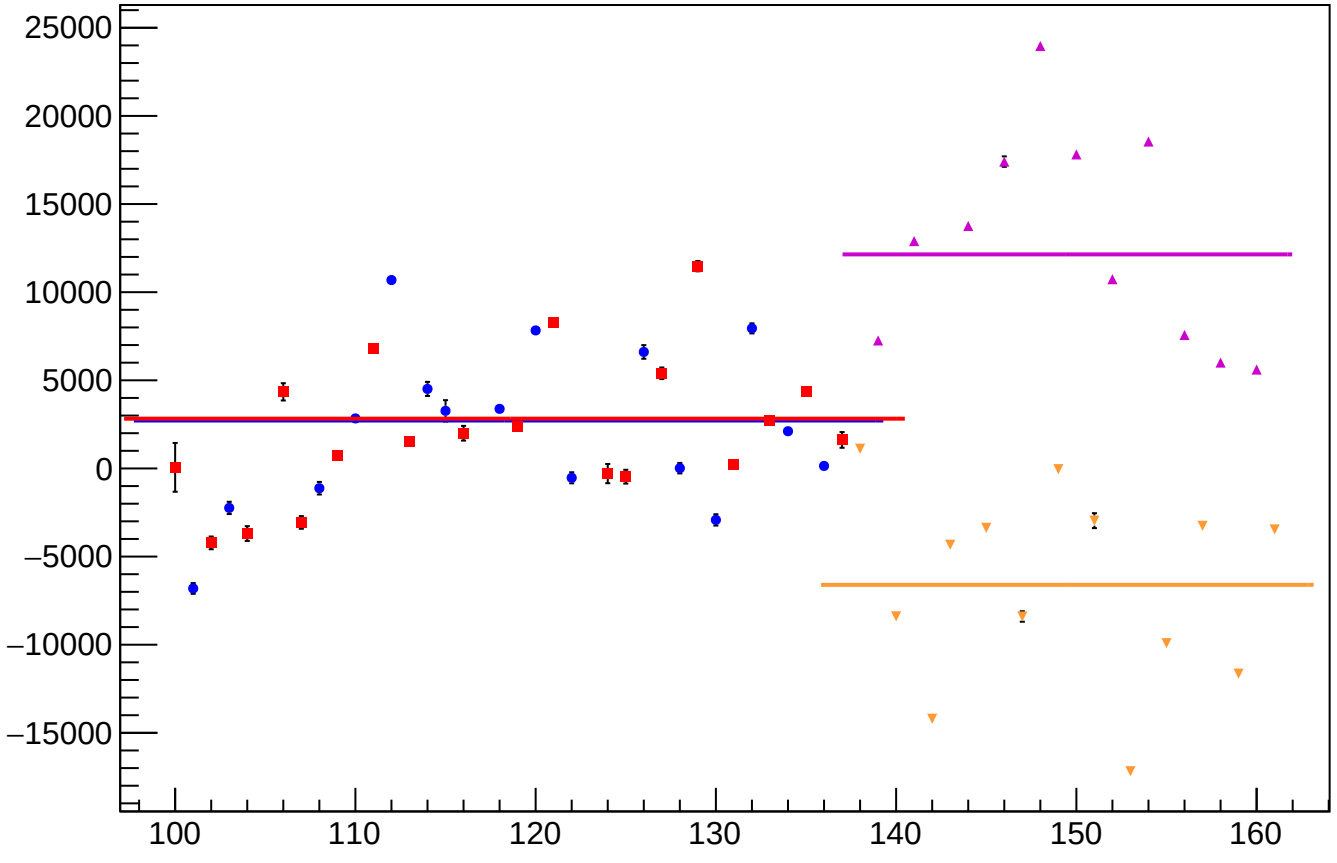
Left In: 167.407+/-0.040 χ^2/NDF:833941.7/10

+ sign 152.366+/-0.027 χ^2/NDF: 2035620.6/28

All: 151.157+/-0.019 χ^2/NDF: 4111728.2/58

- sign 149.932+/-0.027 χ^2/NDF: 2072062.5/29

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6602.119+/-63.946 χ^2/NDF:7602.8/12

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

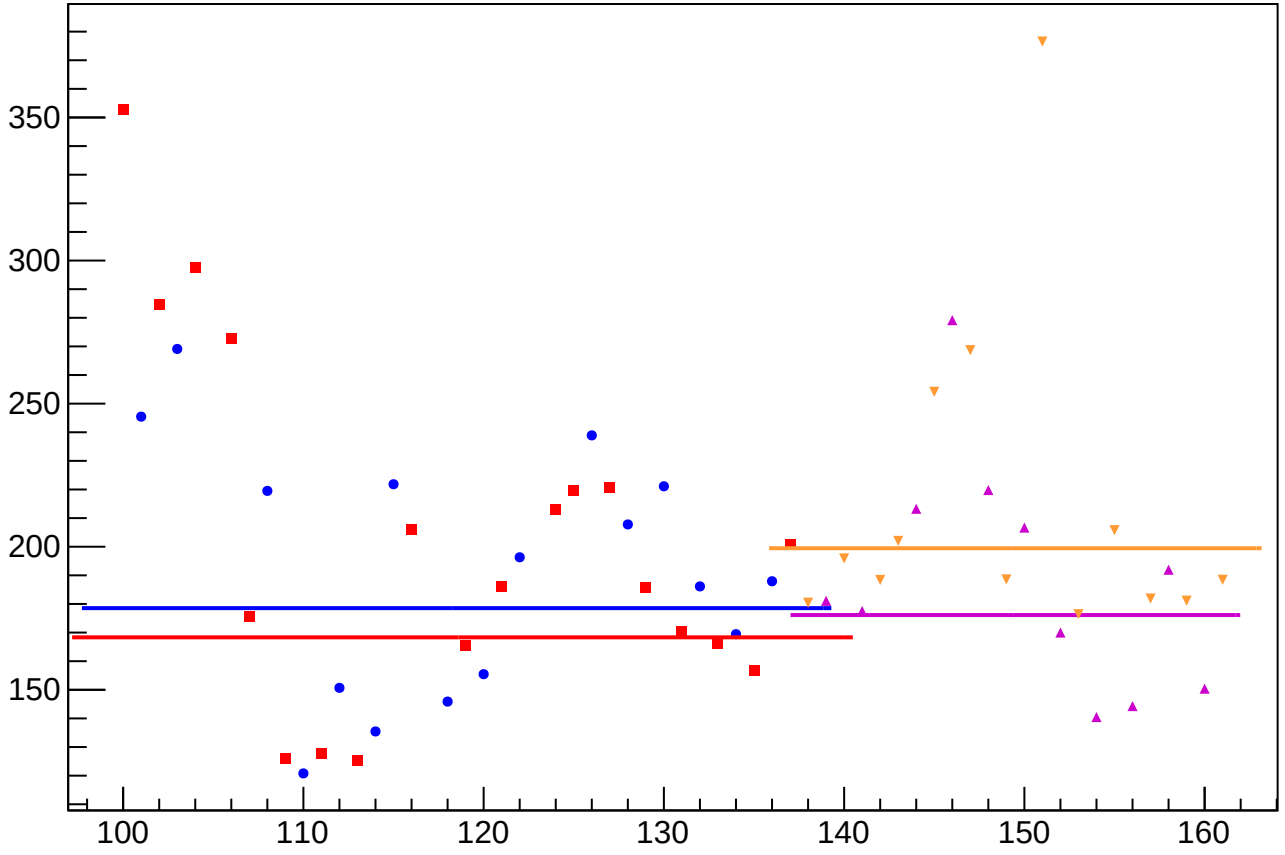
Left In: 12143.672+/-59.626 χ^2/NDF:9004.8/10

+ sign -2311.514+/-46.979 χ^2/NDF: 21513.4/28

All: 3126.879+/-32.072 χ^2/NDF: 69872.2/58

- sign 7874.161+/-43.893 χ^2/NDF: 23260.1/29

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 199.473+/-0.045 χ^2/NDF:623197.7/12

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

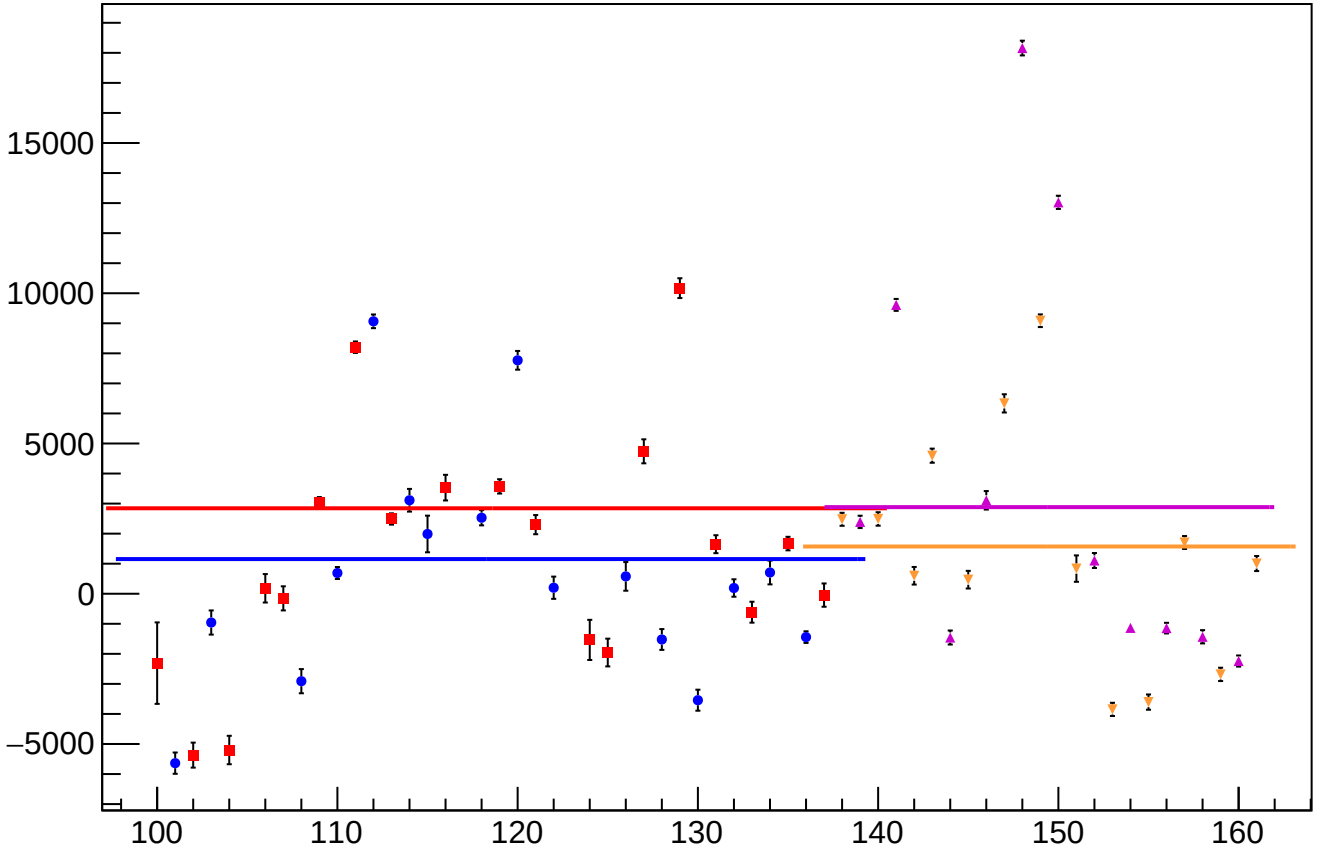
Left In: 176.120+/-0.042 χ^2/NDF:647425.9/10

+ sign 189.839+/-0.033 χ^2/NDF: 1396398.7/28

All: 180.610+/-0.023 χ^2/NDF: 3183493.2/58

- sign 172.553+/-0.031 χ^2/NDF: 1642530.0/29

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1571.845+/-68.200 χ^2/NDF:3136.5/12

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

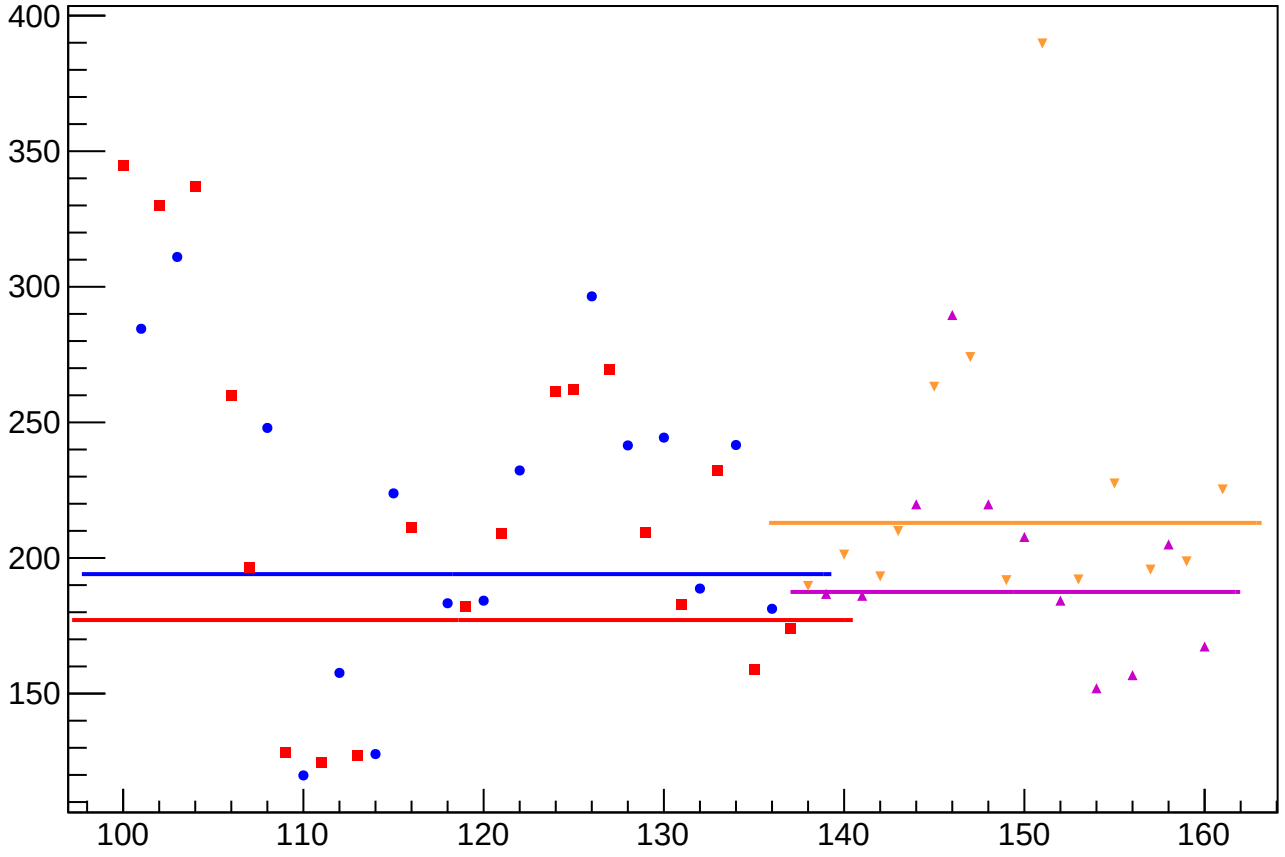
Left In: 2882.120+/-63.258 χ^2/NDF:9808.0/10

+ sign 1385.261+/-50.746 χ^2/NDF: 5808.6/28

All: 2186.763+/-34.352 χ^2/NDF: 18530.4/58

- sign 2864.702+/-46.671 χ^2/NDF: 12261.3/29

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 212.945+/-0.048 χ^2/NDF:571673.2/12

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

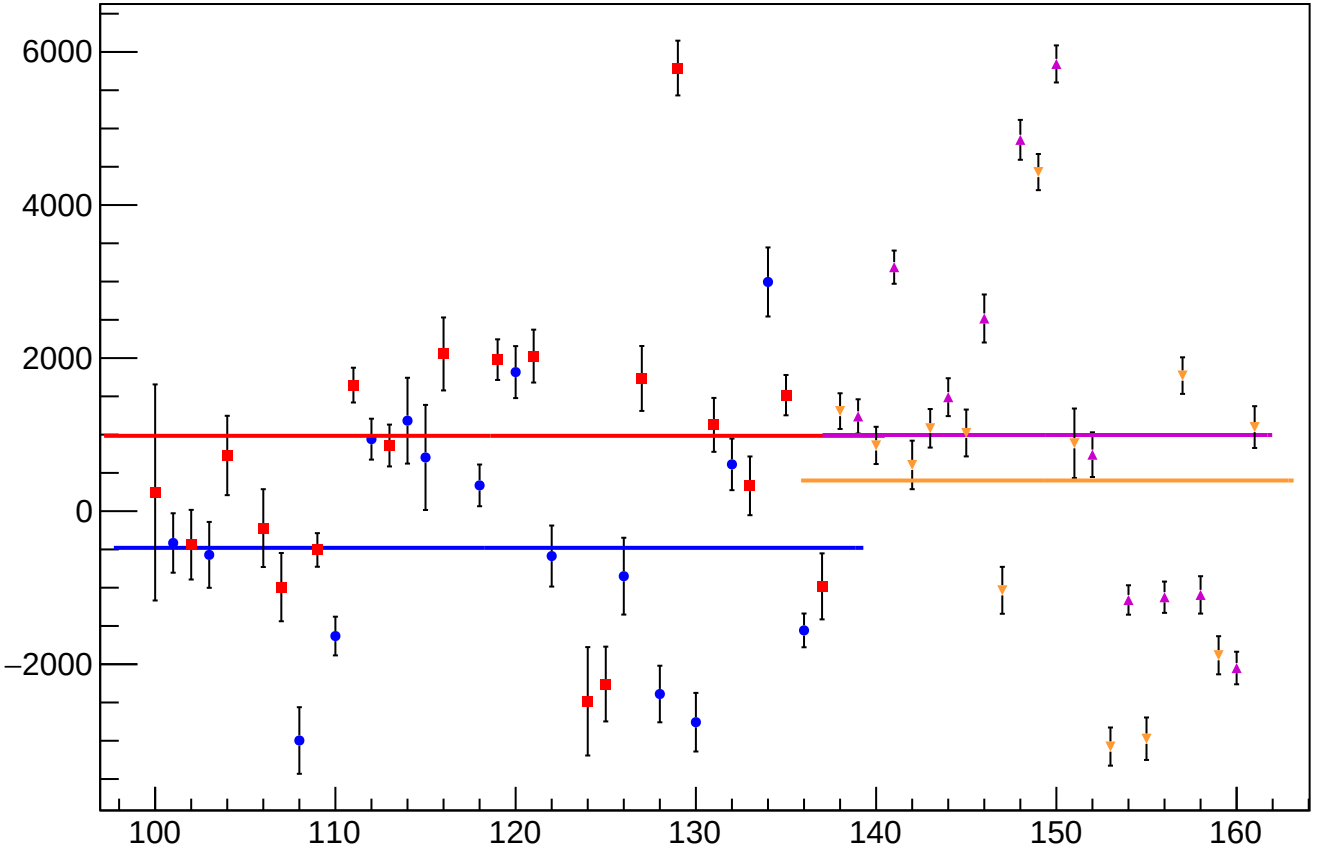
Left In: 187.477+/-0.045 χ^2/NDF:499987.8/10

+ sign 204.512+/-0.036 χ^2/NDF: 1605956.4/28

All: 192.725+/-0.024 χ^2/NDF: 3688914.0/58

- sign 182.755+/-0.033 χ^2/NDF: 1883785.1/29

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 400.617+/-74.274 χ^2/NDF:810.8/12

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

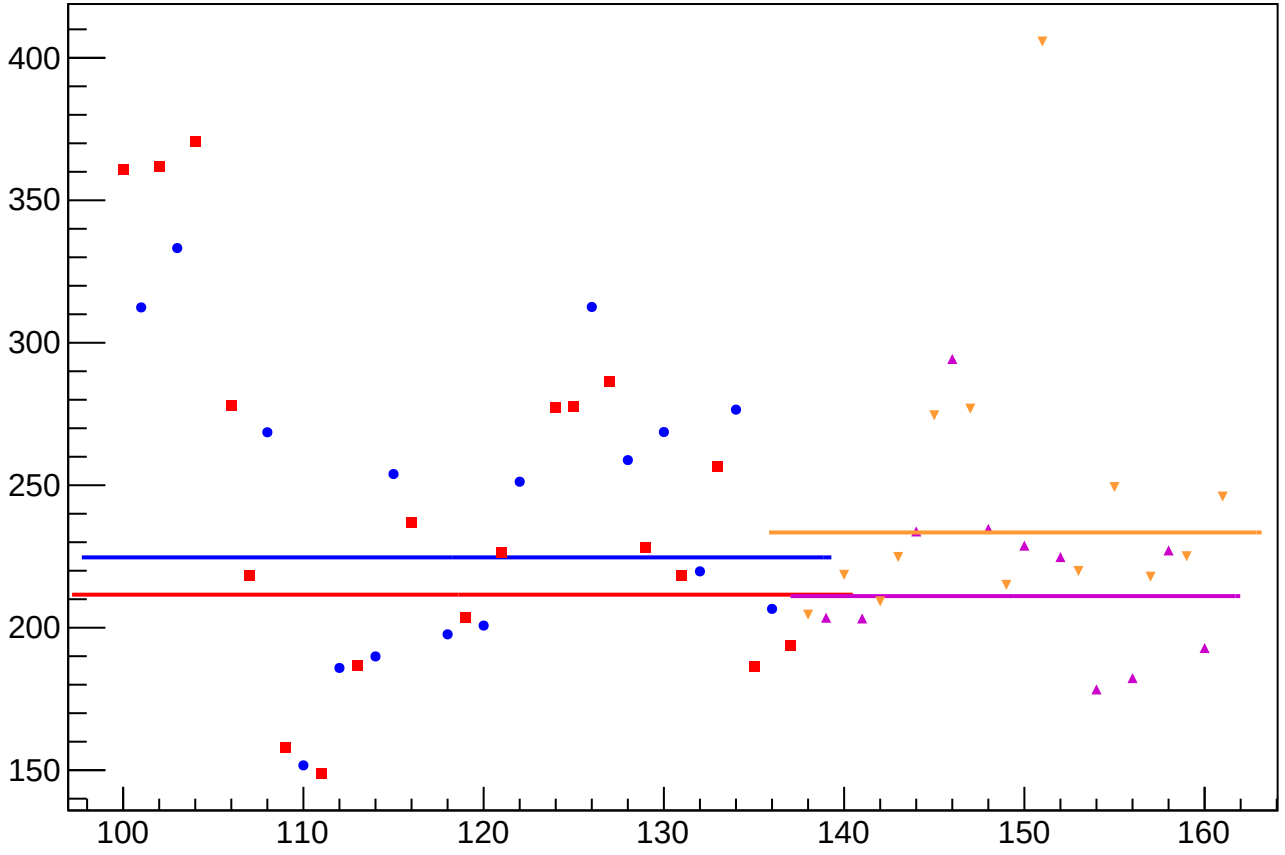
Left In: 995.123+/-70.515 χ^2/NDF:1262.8/10

+ sign 28.104+/-56.402 χ^2/NDF: 1175.7/28

All: 537.689+/-38.689 χ^2/NDF: 2990.8/58

- sign 990.538+/-53.169 χ^2/NDF: 1660.9/29

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 233.425+/-0.053 χ^2/NDF:456235.7/12

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

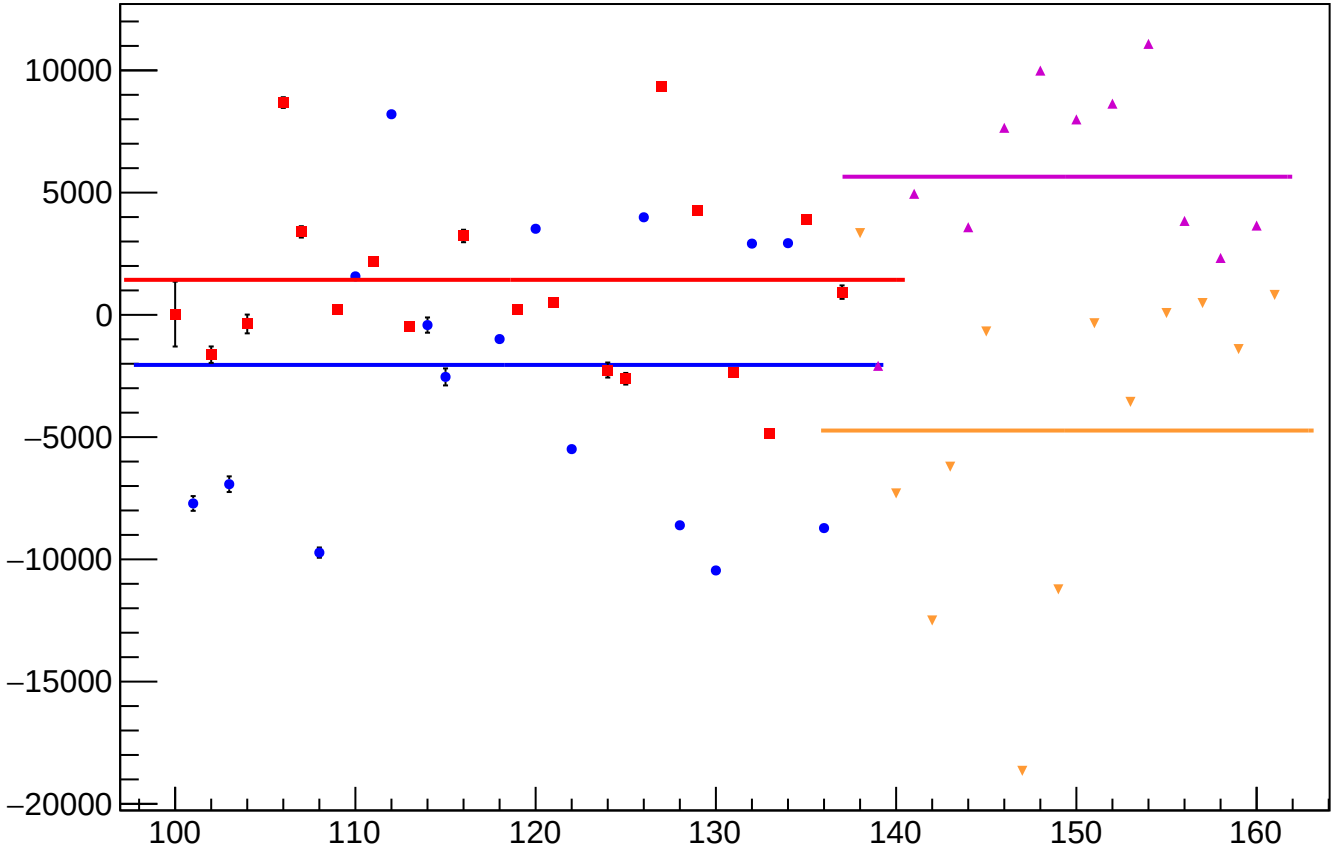
Left In: 211.094+/-0.050 χ^2/NDF:314877.2/10

+ sign 229.724+/-0.040 χ^2/NDF: 1121158.4/28

All: 219.974+/-0.027 χ^2/NDF: 2481845.4/58

- sign 211.310+/-0.038 χ^2/NDF: 1247823.2/29

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4731.003+/-36.760 χ^2/NDF:29657.4/12

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

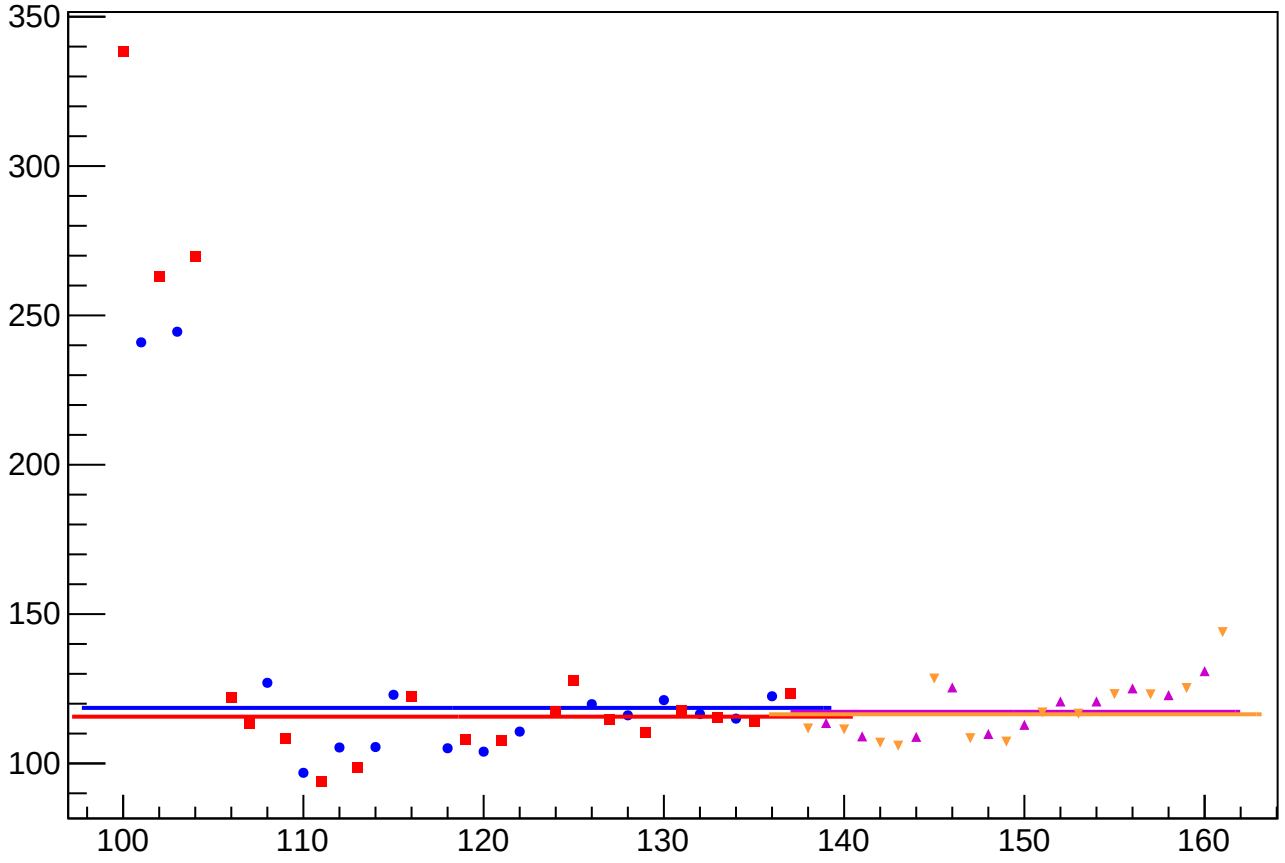
Left In: 5650.559+/-38.489 χ^2/NDF:9212.2/10

+ sign -3704.881+/-28.890 χ^2/NDF: 48404.5/28

All: 38.605+/-20.528 χ^2/NDF: 103025.7/58

- sign 3856.212+/-29.175 χ^2/NDF: 20708.6/29

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 116.455+/-0.026 χ^2/NDF:139521.8/12

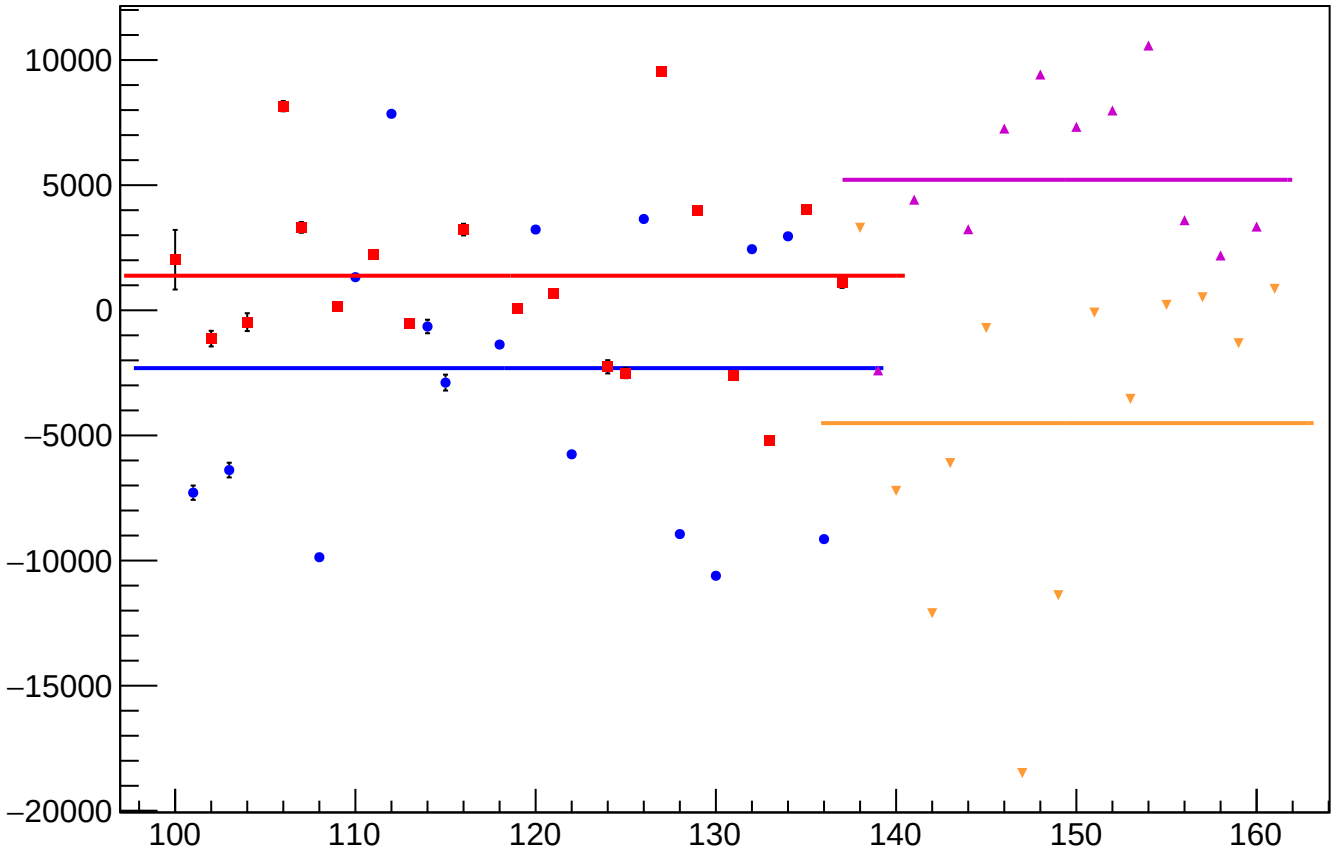
Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 117.291+/-0.027 χ^2/NDF:69991.3/10

+ sign 117.274+/-0.020 χ^2/NDF: 876273.3/28

All: 116.939+/-0.015 χ^2/NDF: 1812542.6/58

- sign 116.597+/-0.021 χ^2/NDF: 935725.4/29



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4507.998+/-32.988 χ^2/NDF:35835.7/12

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

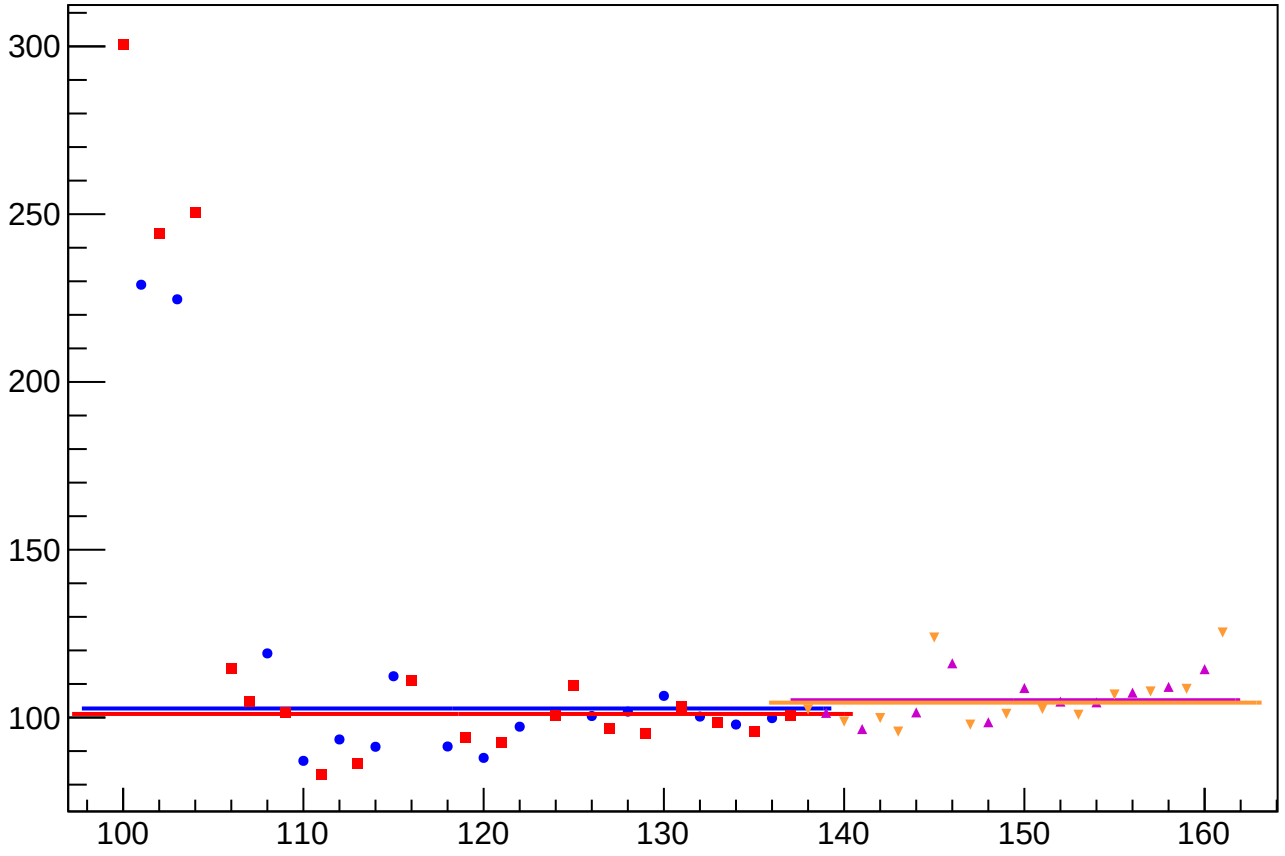
Left In: 5214.795+/-34.536 χ^2/NDF:10901.7/10

+ sign -3637.677+/-25.636 χ^2/NDF: 59272.7/28

All: -89.870+/-18.239 χ^2/NDF: 122898.0/58

- sign 3546.732+/-25.954 χ^2/NDF: 24840.5/29

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 104.441+/-0.023 χ^2/NDF:120027.4/12

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

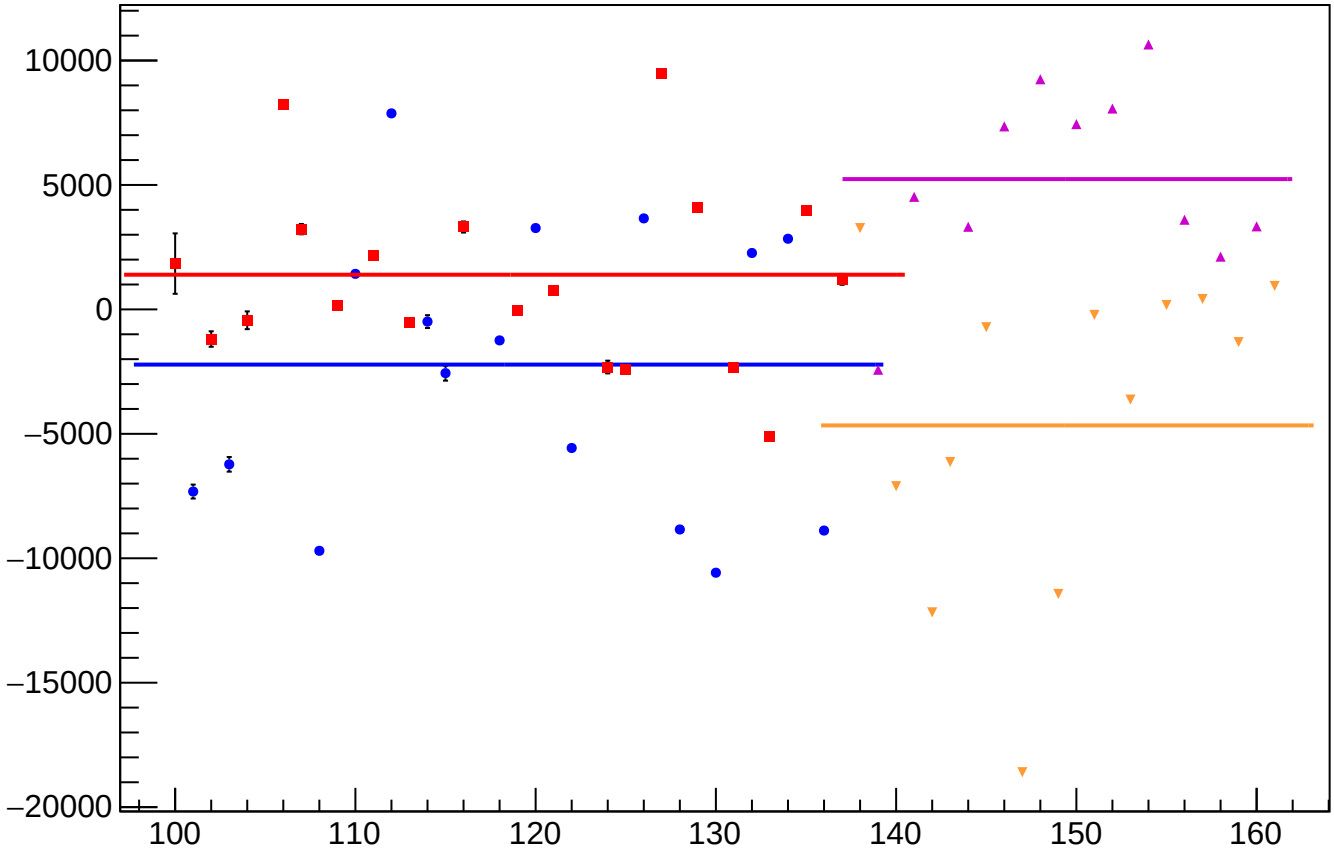
Left In: 105.157+/-0.024 χ^2/NDF:56703.1/10

+ sign 103.749+/-0.018 χ^2/NDF: 948050.8/28

All: 103.564+/-0.013 χ^2/NDF: 1947649.6/58

- sign 103.375+/-0.018 χ^2/NDF: 999388.9/29

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4661.519+/-32.231 χ^2/NDF:38675.6/12

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

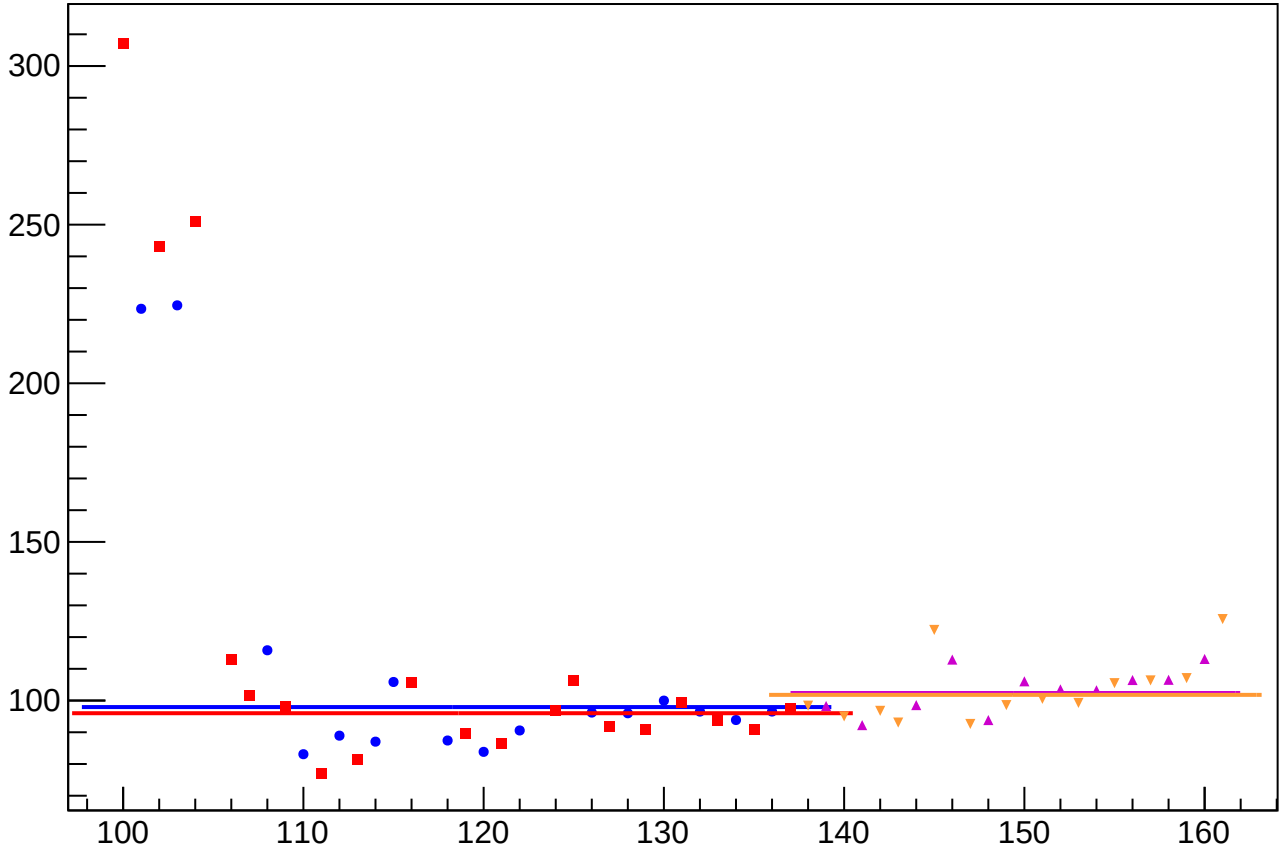
Left In: 5235.726+/-33.703 χ^2/NDF:11530.4/10

+ sign -3671.071+/-24.855 χ^2/NDF: 64045.9/28

All: -108.010+/-17.658 χ^2/NDF: 132015.5/58

- sign 3522.995+/-25.091 χ^2/NDF: 26475.9/29

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 101.790+/-0.023 χ^2/NDF:155472.1/12

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

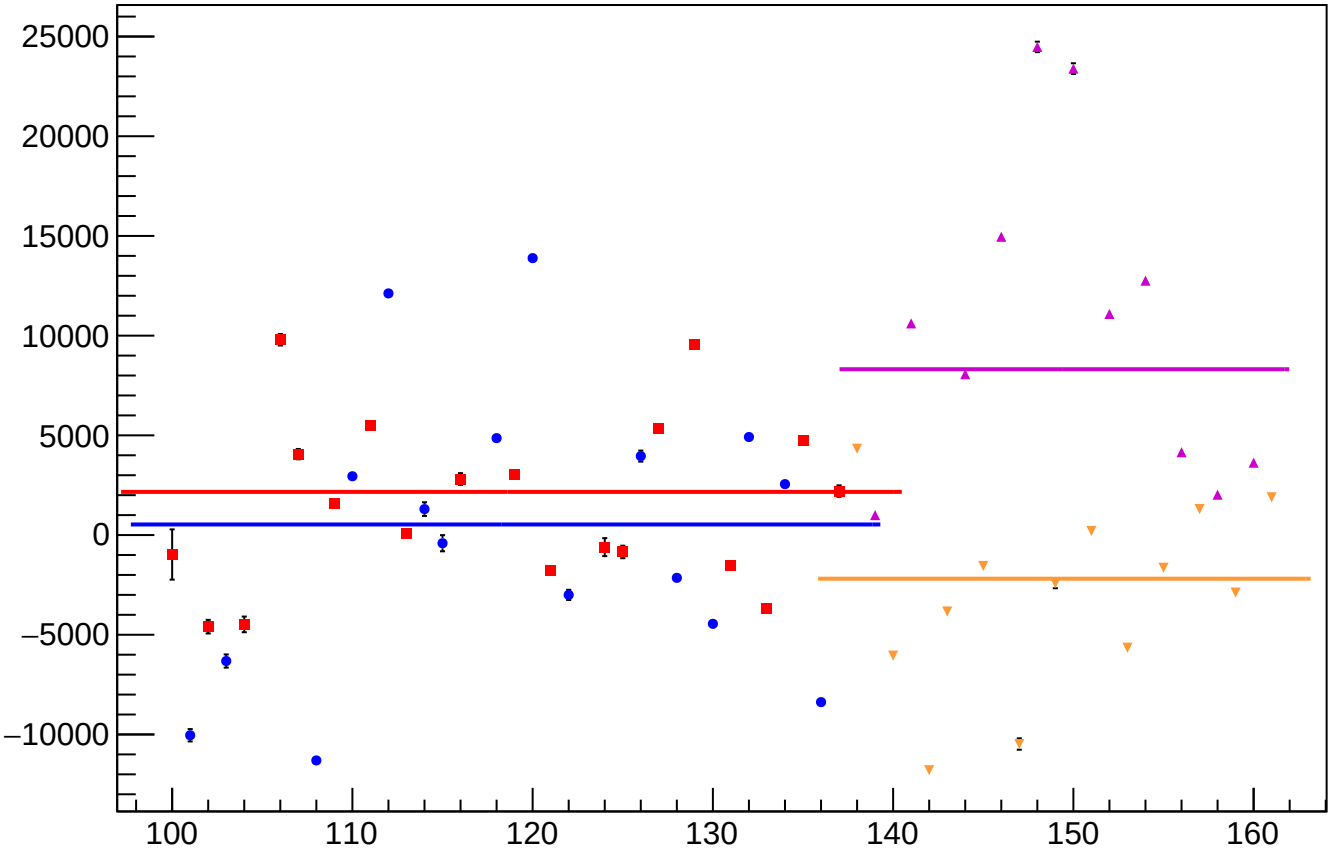
Left In: 102.374+/-0.024 χ^2/NDF:76547.8/10

+ sign 100.231+/-0.018 χ^2/NDF: 1035166.9/28

All: 99.886+/-0.012 χ^2/NDF: 2156622.9/58

- sign 99.535+/-0.018 χ^2/NDF: 1120679.1/29

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2189.721+/-48.143 χ^2/NDF:6874.0/12

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

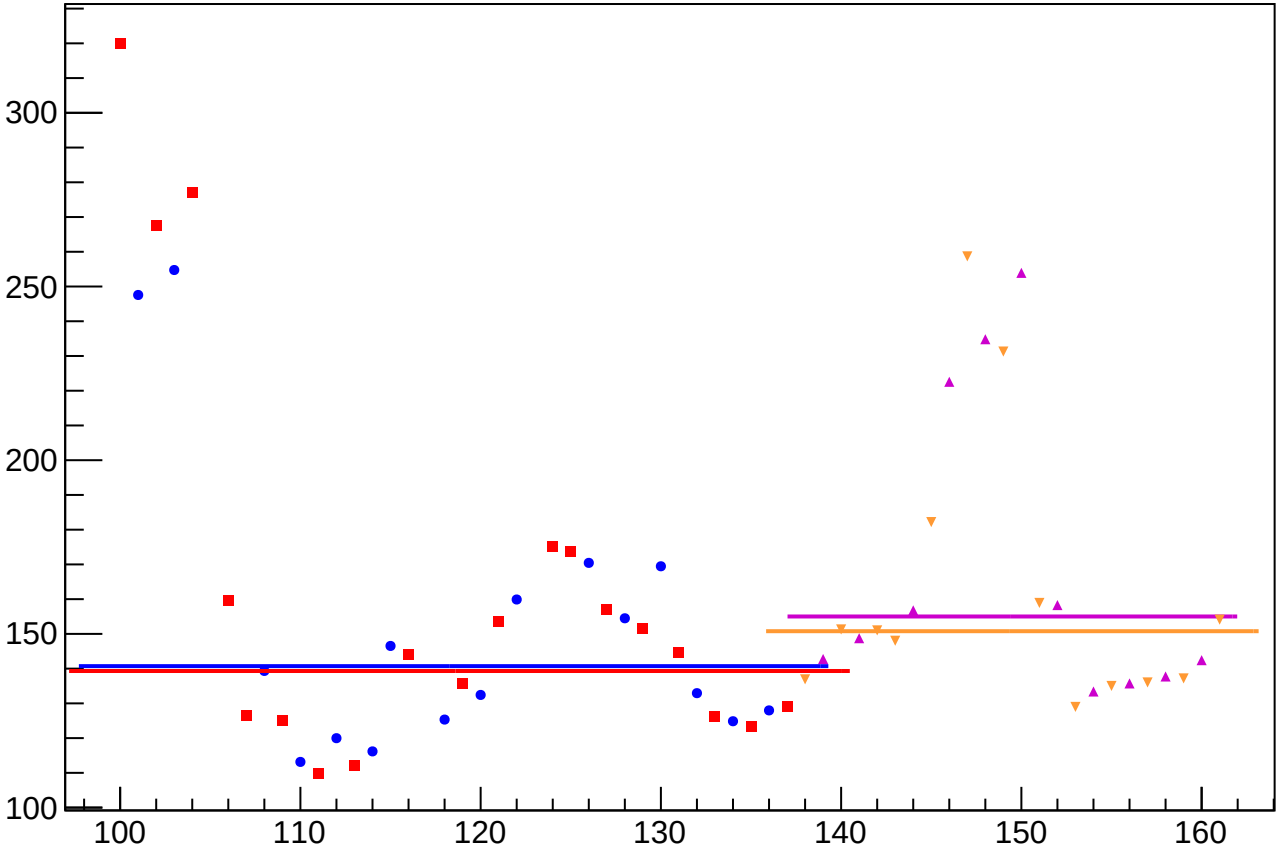
Left In: 8315.245+/-51.845 χ^2/NDF:14733.4/10

+ sign -1006.094+/-36.184 χ^2/NDF: 26850.8/28

All: 2074.852+/-25.943 χ^2/NDF: 68292.2/58

- sign 5334.302+/-37.217 χ^2/NDF: 26521.3/29

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 150.777+/-0.034 χ^2/NDF:660280.8/12

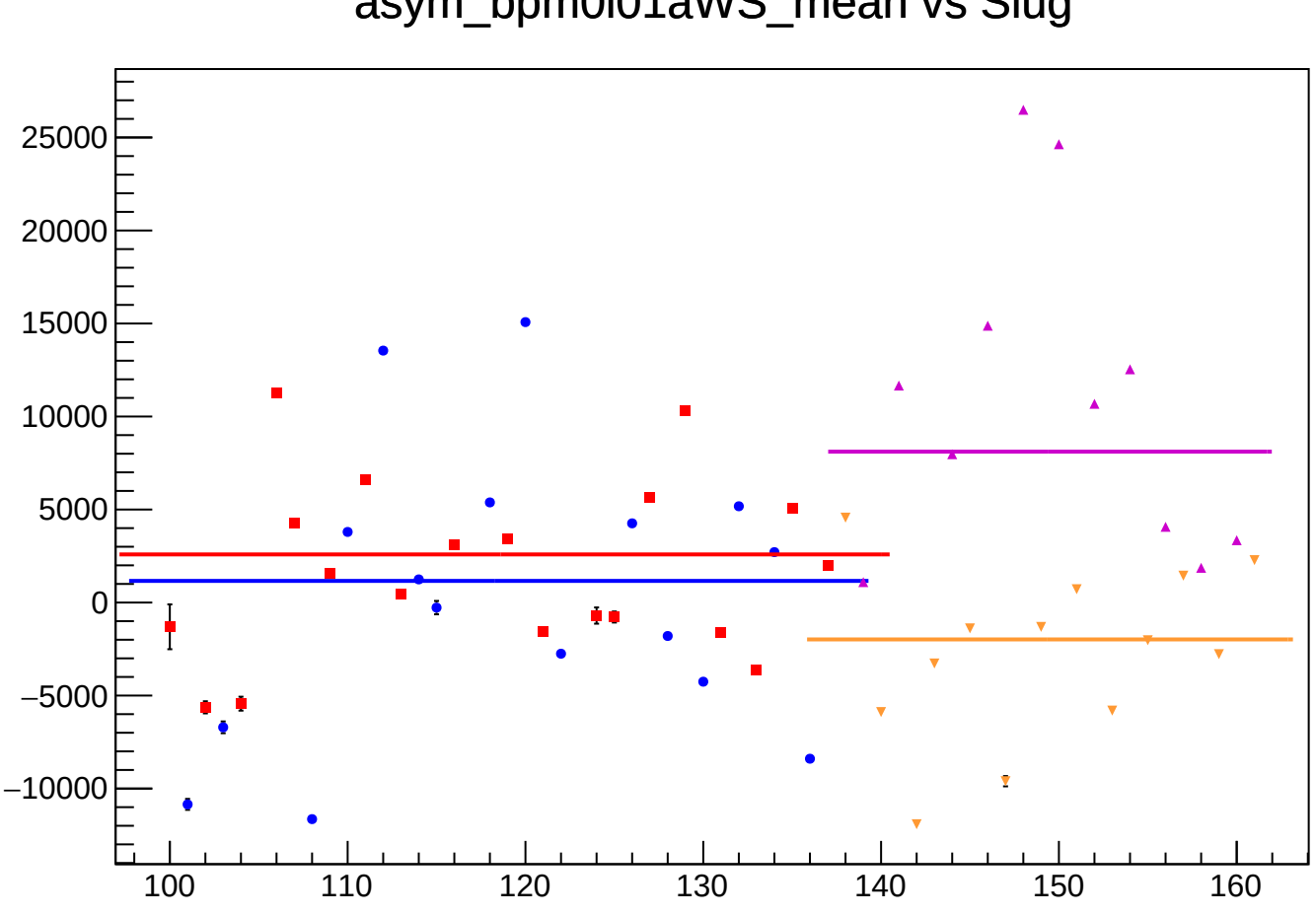
Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 155.012+/-0.037 χ^2/NDF:755046.8/10

+ sign 146.399+/-0.026 χ^2/NDF: 1373910.4/28

All: 146.888+/-0.018 χ^2/NDF: 3020856.6/58

- sign 147.405+/-0.026 χ^2/NDF: 1646195.5/29



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -1982.310+/-42.313 χ^2/NDF:9102.1/12

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

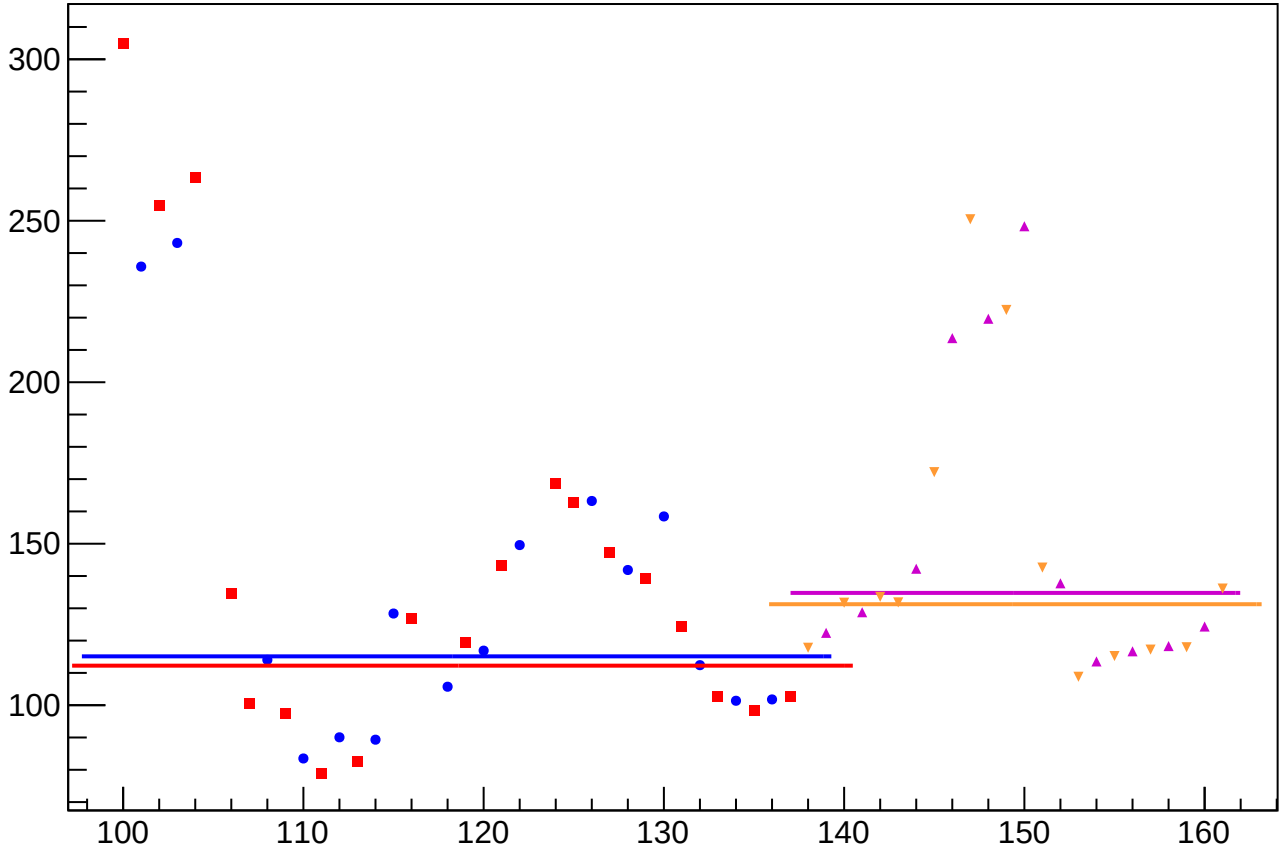
Left In: 8111.078+/-45.620 χ^2/NDF:19778.7/10

+ sign -538.358+/-31.120 χ^2/NDF: 42393.1/28

All: 2303.883+/-22.230 χ^2/NDF: 94857.6/58

- sign 5265.124+/-31.765 χ^2/NDF: 35432.7/29

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 131.268+/-0.030 χ^2/NDF:917210.0/12

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

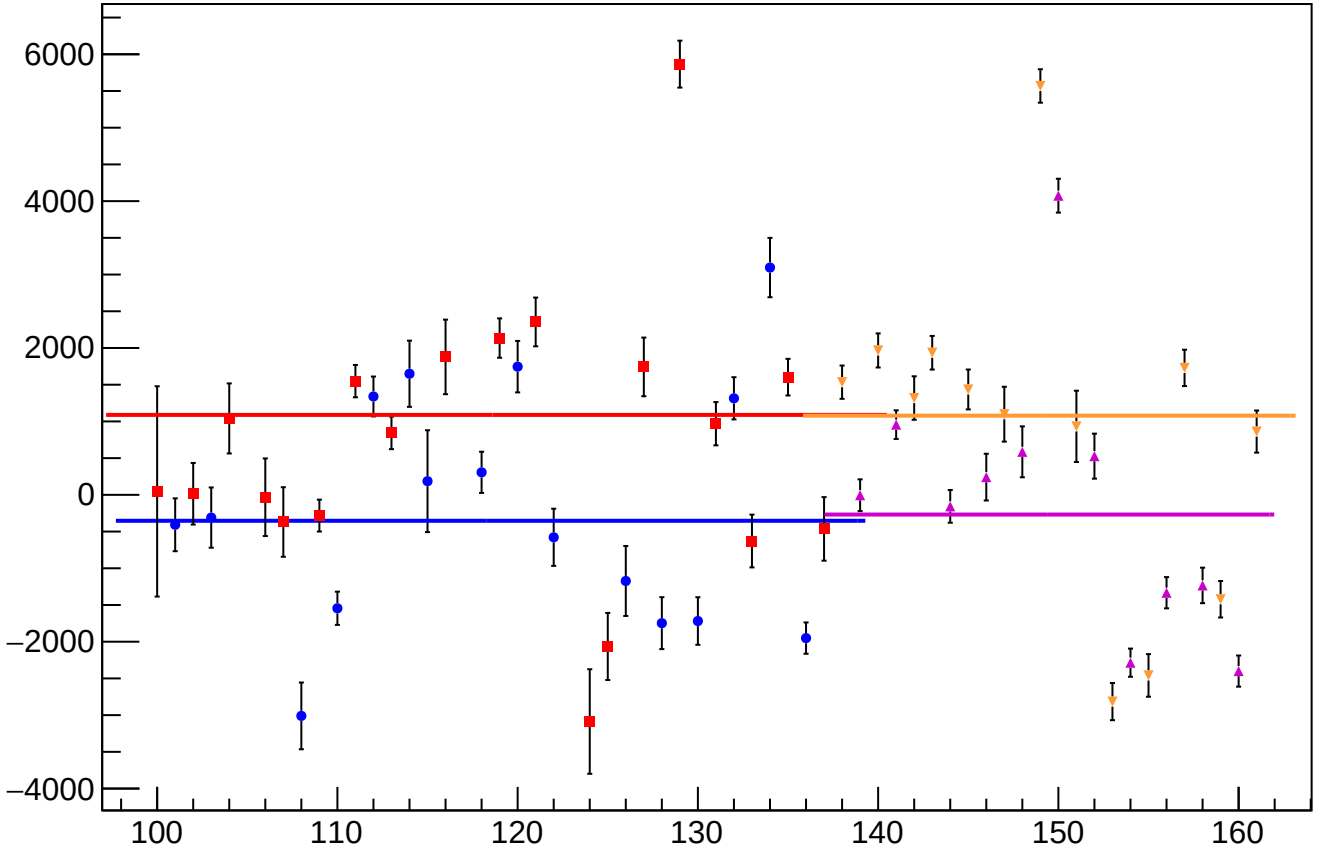
Left In: 134.770+/-0.032 χ^2/NDF:1020894.3/10

\+ sign 123.857+/-0.022 χ^2/NDF: 2163835.4/28

All: 123.518+/-0.016 χ^2/NDF: 4764637.8/58

\- sign 123.164+/-0.022 χ^2/NDF: 2600315.6/29

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1078.228+/-73.549 χ^2/NDF:917.8/12

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

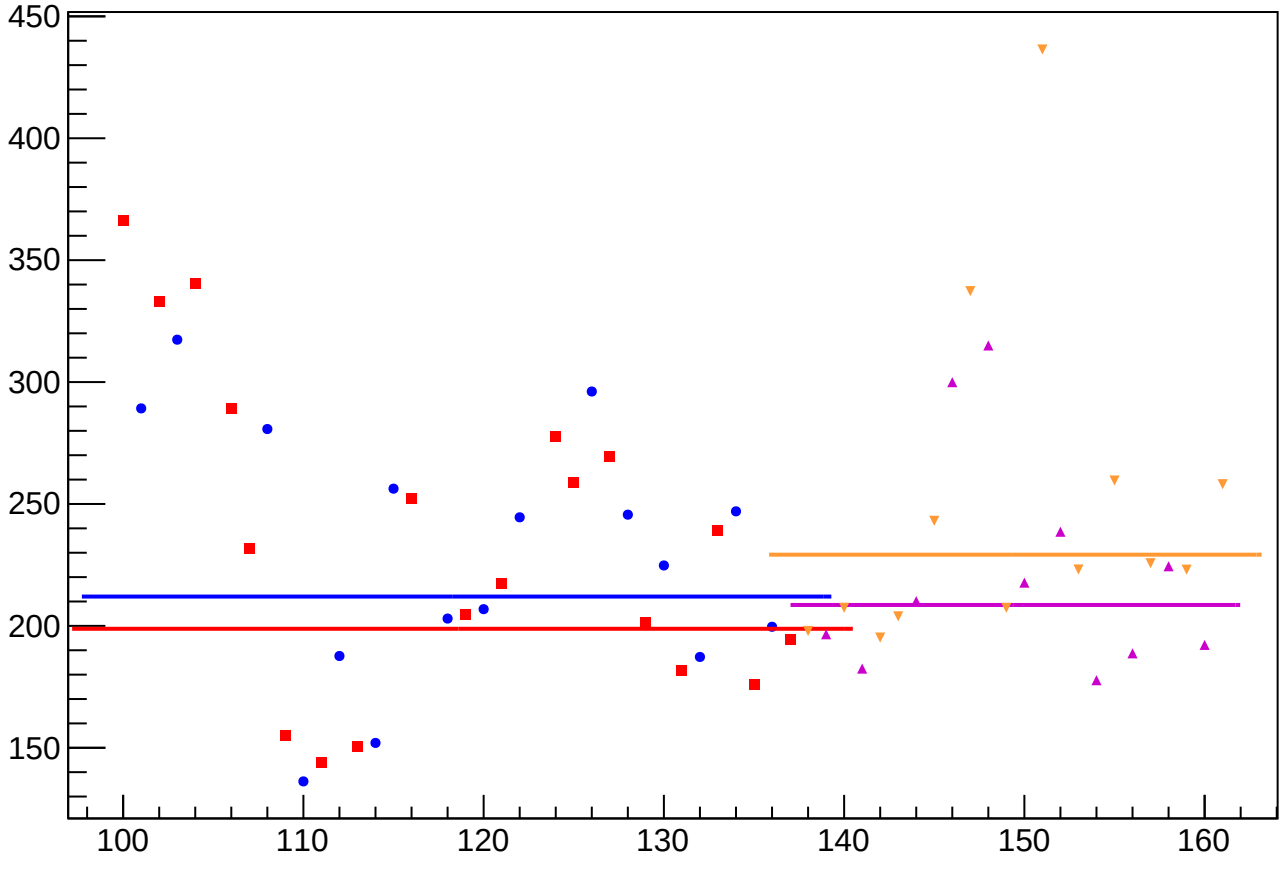
Left In: -268.191+/-70.001 χ^2/NDF:663.8/10

+ sign 441.256+/-54.792 χ^2/NDF: 1448.1/28

All: 393.283+/-37.574 χ^2/NDF: 2731.9/58

- sign 350.693+/-51.626 χ^2/NDF: 1282.3/29

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 229.203+/-0.052 χ^2/NDF:706736.7/12

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

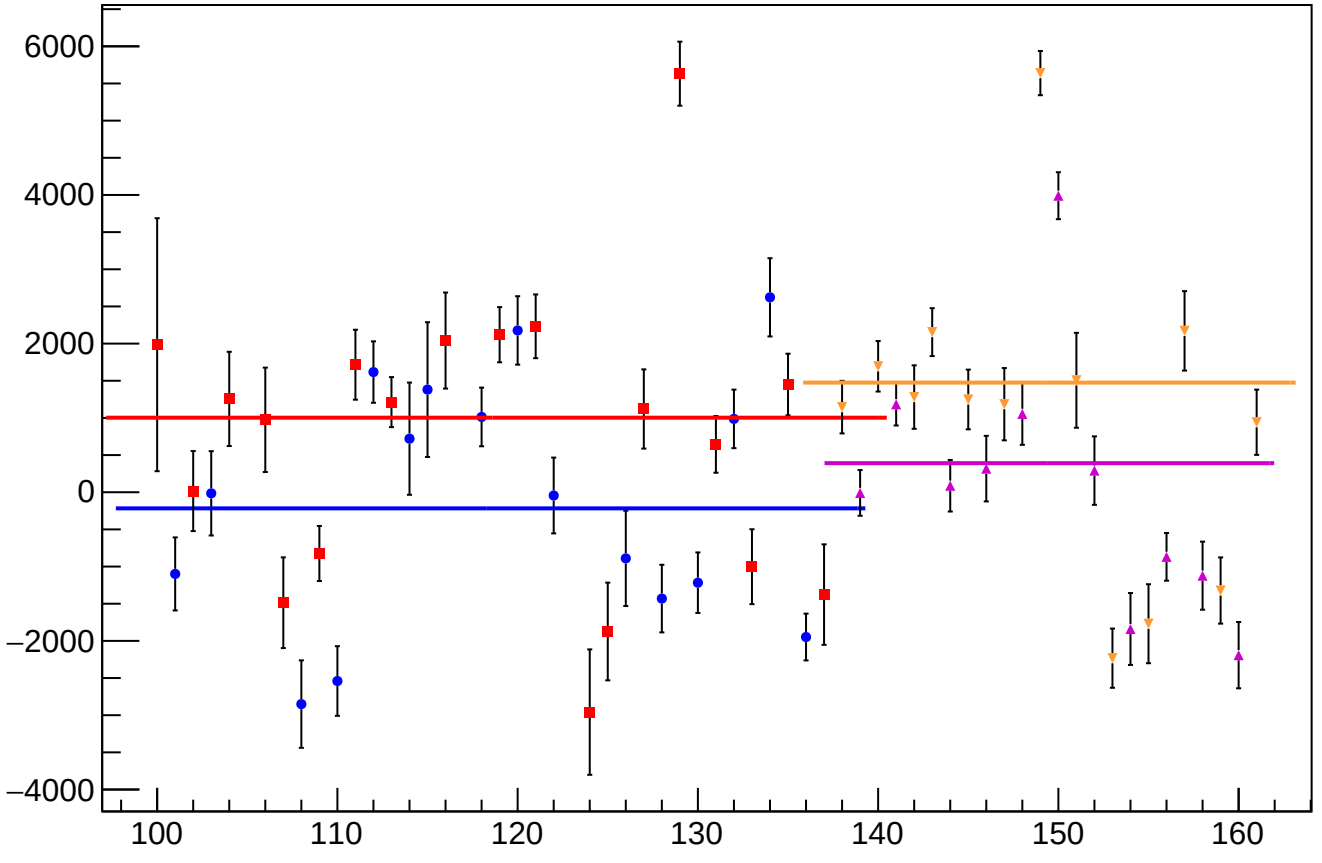
Left In: 208.579+/-0.049 χ^2/NDF:507761.9/10

+ sign 221.560+/-0.039 χ^2/NDF: 1445631.5/28

All: 212.323+/-0.027 χ^2/NDF: 3053379.6/58

- sign 204.123+/-0.037 χ^2/NDF: 1500459.5/29

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1475.087+/-112.143 χ^2/NDF:369.3/12

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

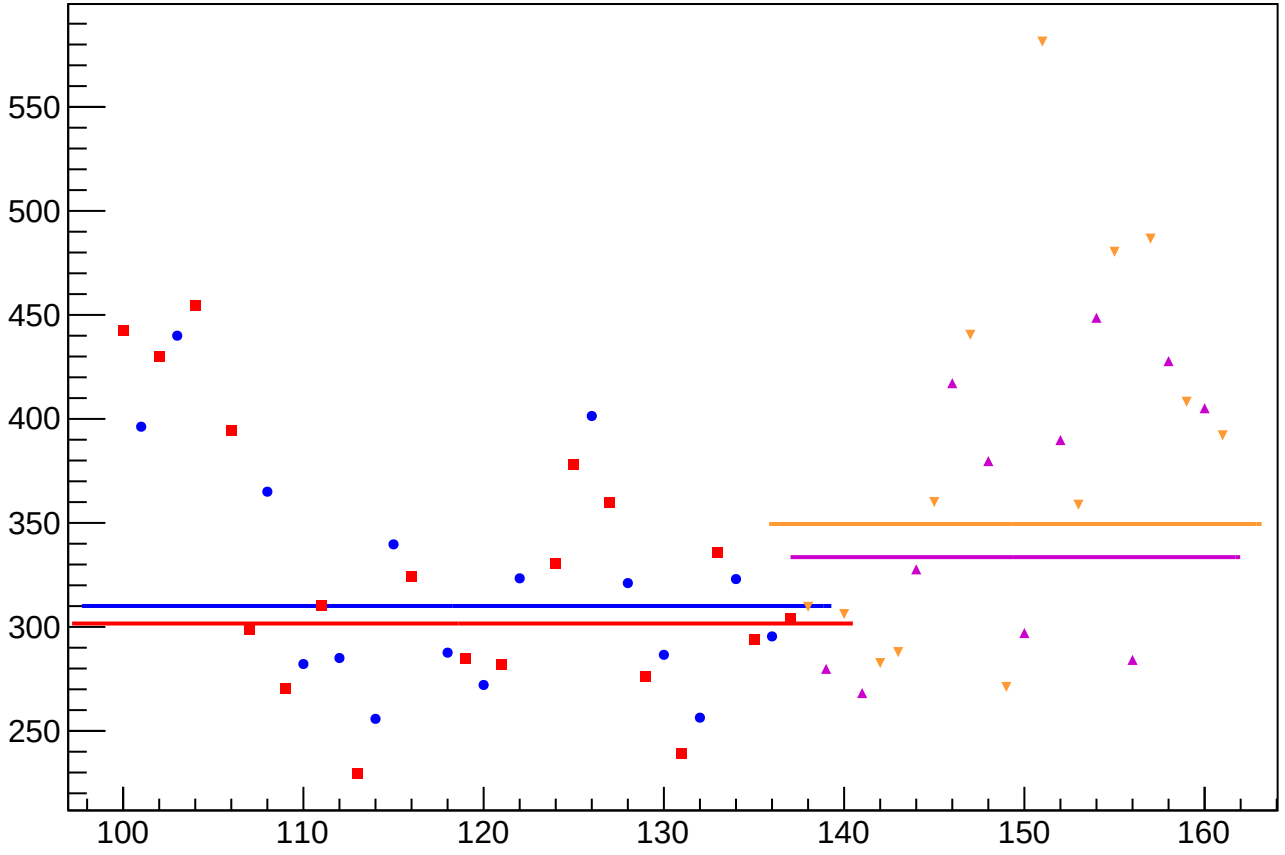
Left In: 391.514+/-111.427 χ^2/NDF:223.8/10

+ sign 671.295+/-81.252 χ^2/NDF: 669.6/28

All: 682.244+/-56.780 χ^2/NDF: 1162.7/58

- sign 692.695+/-79.379 χ^2/NDF: 493.0/29

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 349.474+/-0.079 χ^2/NDF:961594.1/12

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

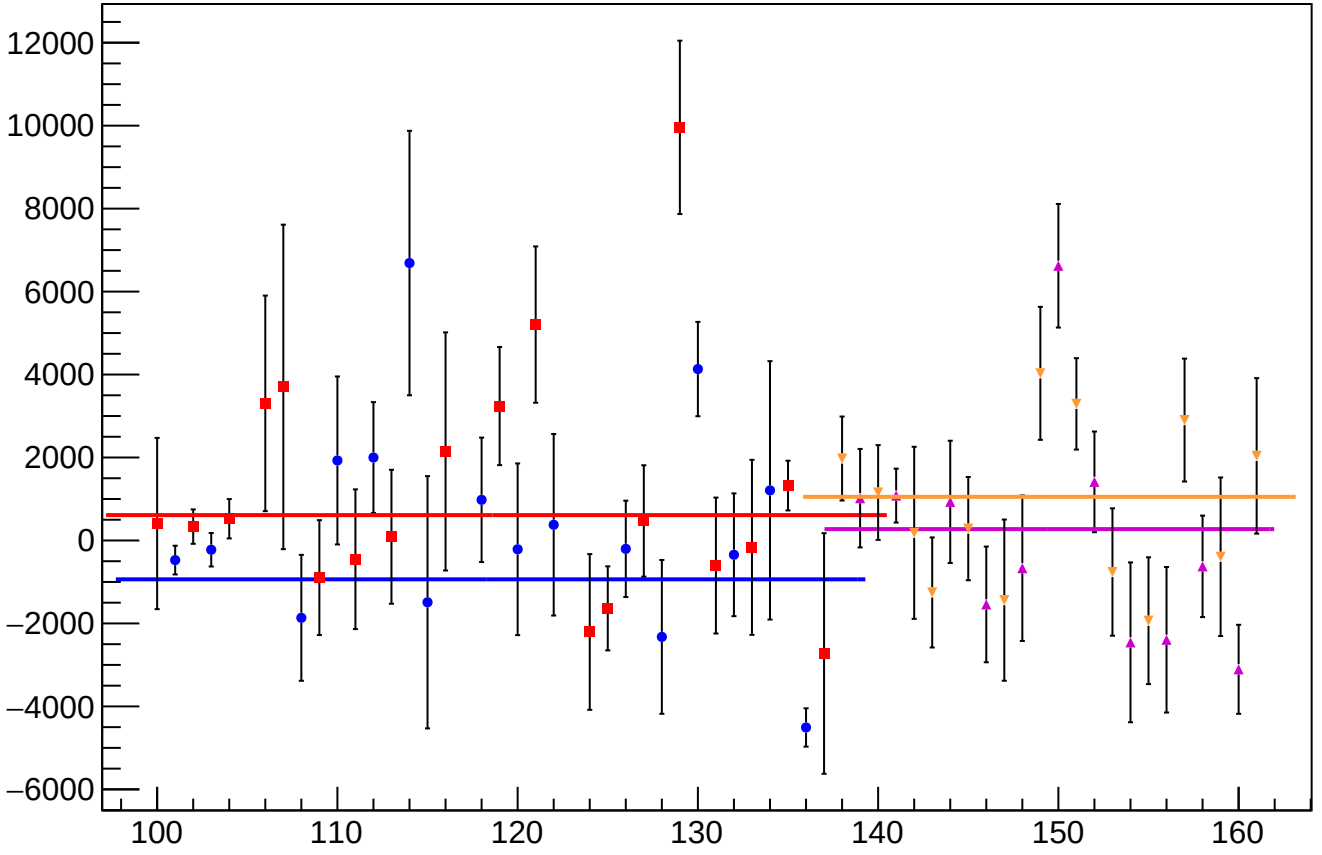
Left In: 333.550+/-0.079 χ^2/NDF:615978.0/10

+ sign 330.751+/-0.057 χ^2/NDF: 1402225.4/28

All: 324.141+/-0.040 χ^2/NDF: 2644756.7/58

- sign 317.833+/-0.056 χ^2/NDF: 1216662.4/29

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1052.139+/-391.256 χ^2/NDF:21.3/12

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

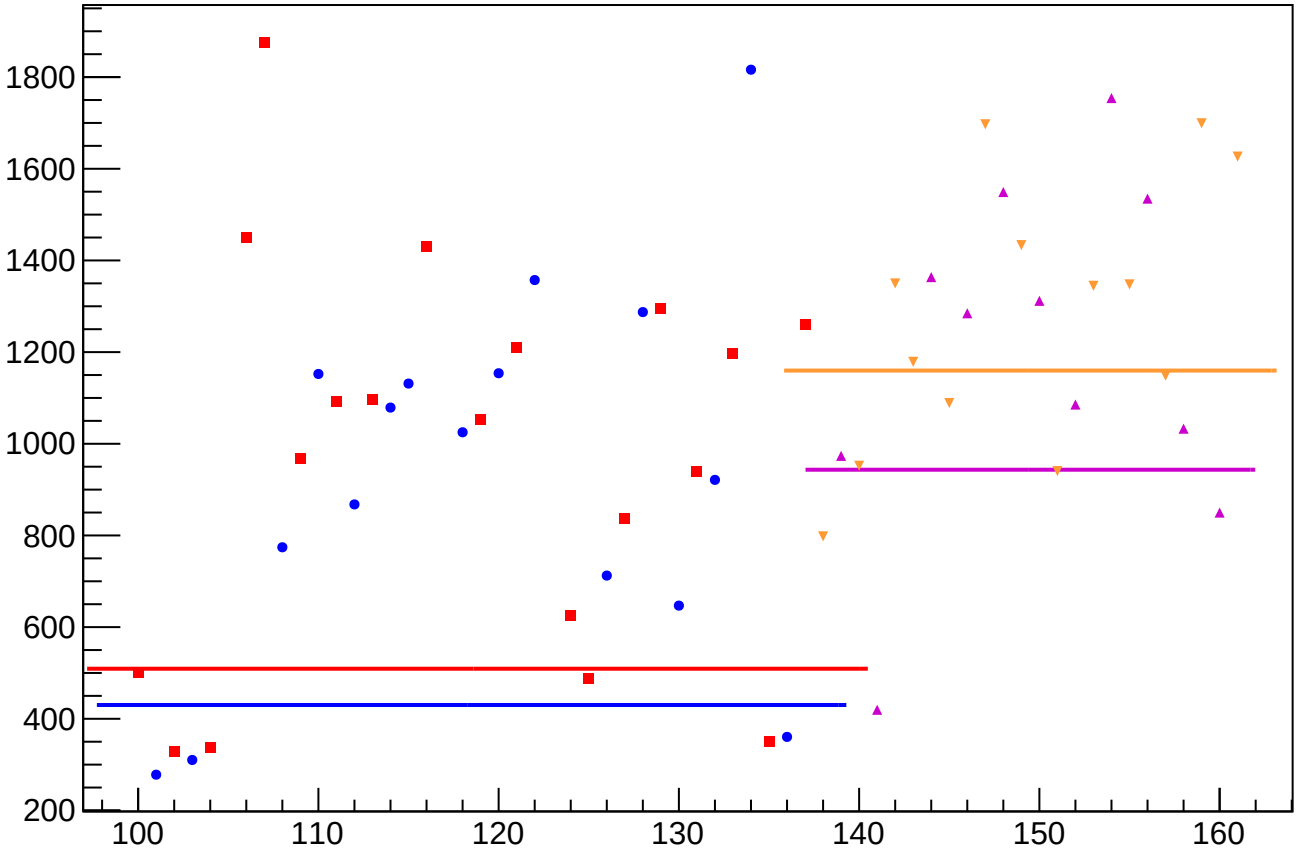
Left In: 273.900+/-361.848 χ^2/NDF:37.9/10

+ sign -509.438+/-181.388 χ^2/NDF: 142.7/28

All: -37.905+/-133.123 χ^2/NDF: 240.1/58

- sign 512.582+/-195.986 χ^2/NDF: 82.7/29

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1159.759+/-0.277 χ^2/NDF:978397.3/12

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

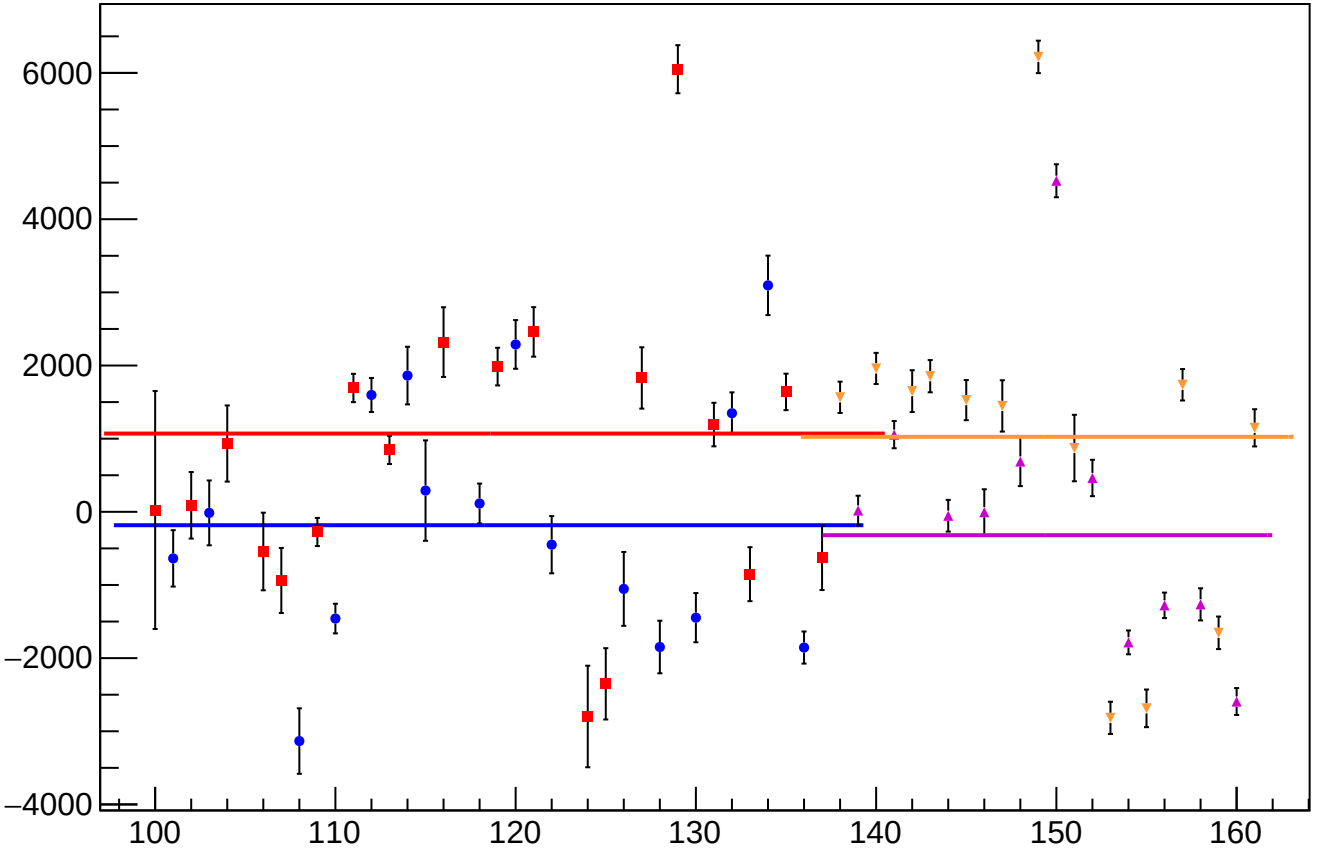
Left In: 943.418+/-0.256 χ^2/NDF:2578092.4/10

+ sign 586.932+/-0.128 χ^2/NDF: 9960907.0/28

All: 609.851+/-0.094 χ^2/NDF: 18316423.3/58

- sign 636.606+/-0.139 χ^2/NDF: 8286313.3/29

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1025.138+/-67.992 χ^2/NDF:1265.1/12

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

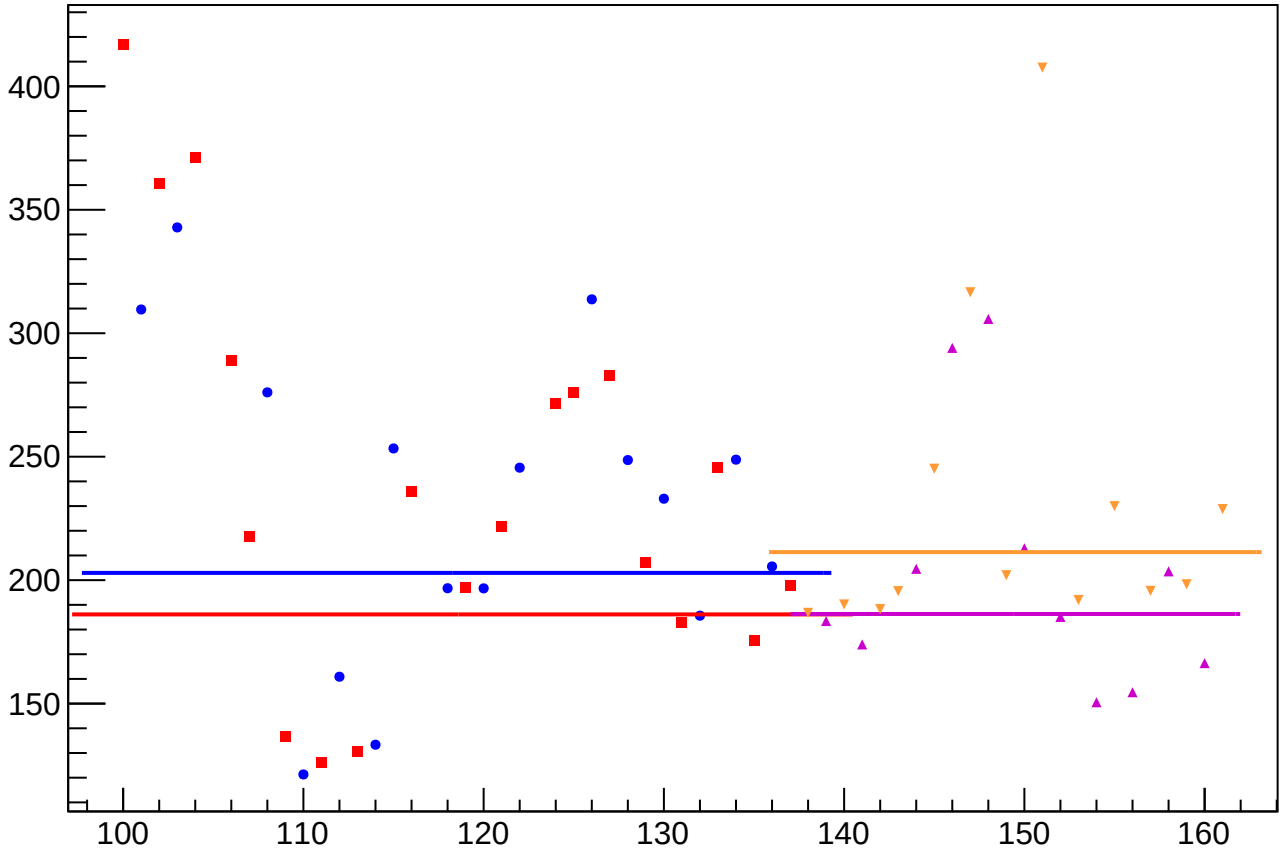
Left In: -319.469+/-63.207 χ^2/NDF:822.4/10

+ sign 517.441+/-51.771 χ^2/NDF: 1815.5/28

All: 386.677+/-35.120 χ^2/NDF: 3348.8/58

- sign 275.198+/-47.801 χ^2/NDF: 1521.5/29

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 211.361+/-0.048 χ^2/NDF:709106.6/12

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

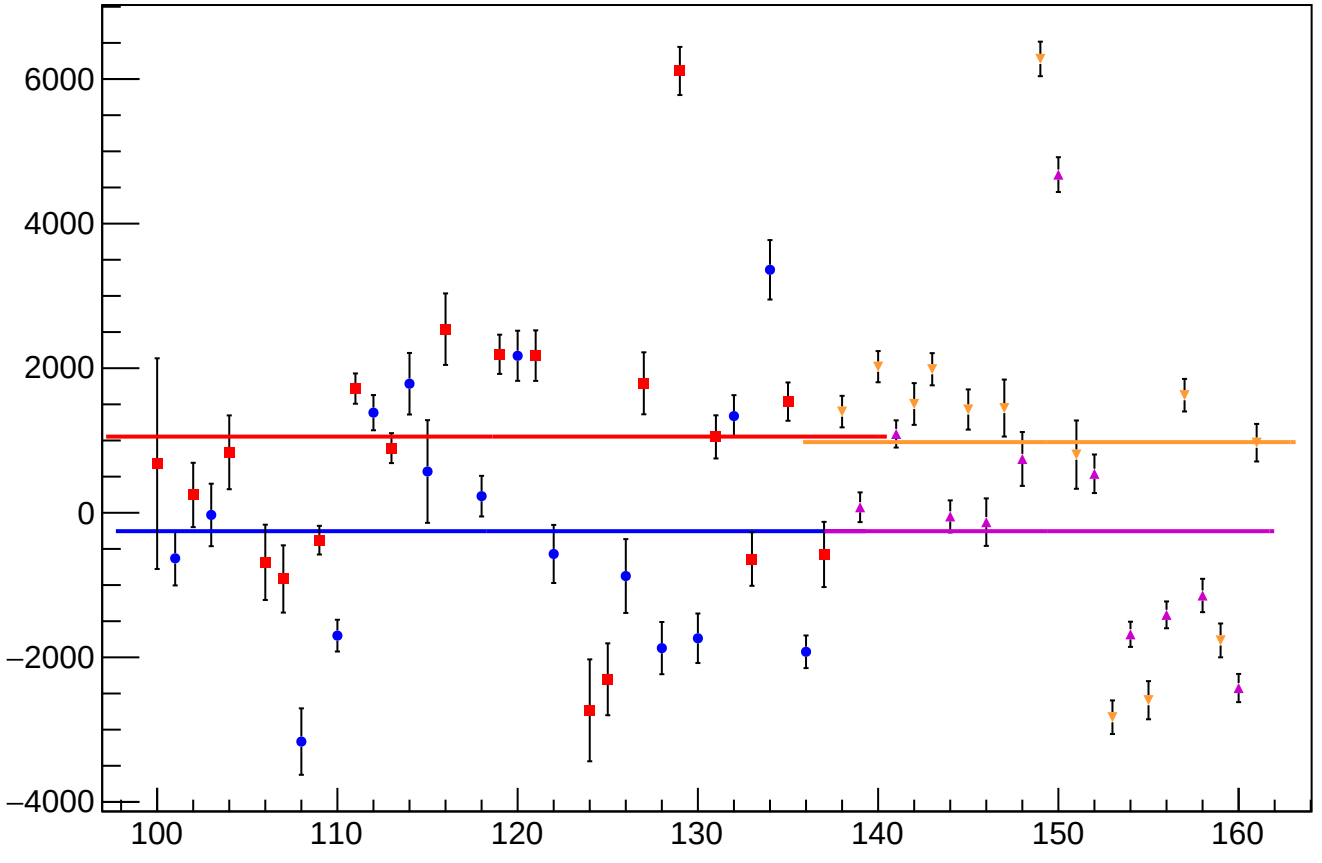
Left In: 186.302+/-0.045 χ^2/NDF:738351.2/10

+ sign 207.823+/-0.037 χ^2/NDF: 1793853.1/28

All: 196.166+/-0.025 χ^2/NDF: 4201720.7/58

- sign 186.228+/-0.034 χ^2/NDF: 2220021.9/29

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 977.496+/-70.411 χ^2/NDF:1144.4/12

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

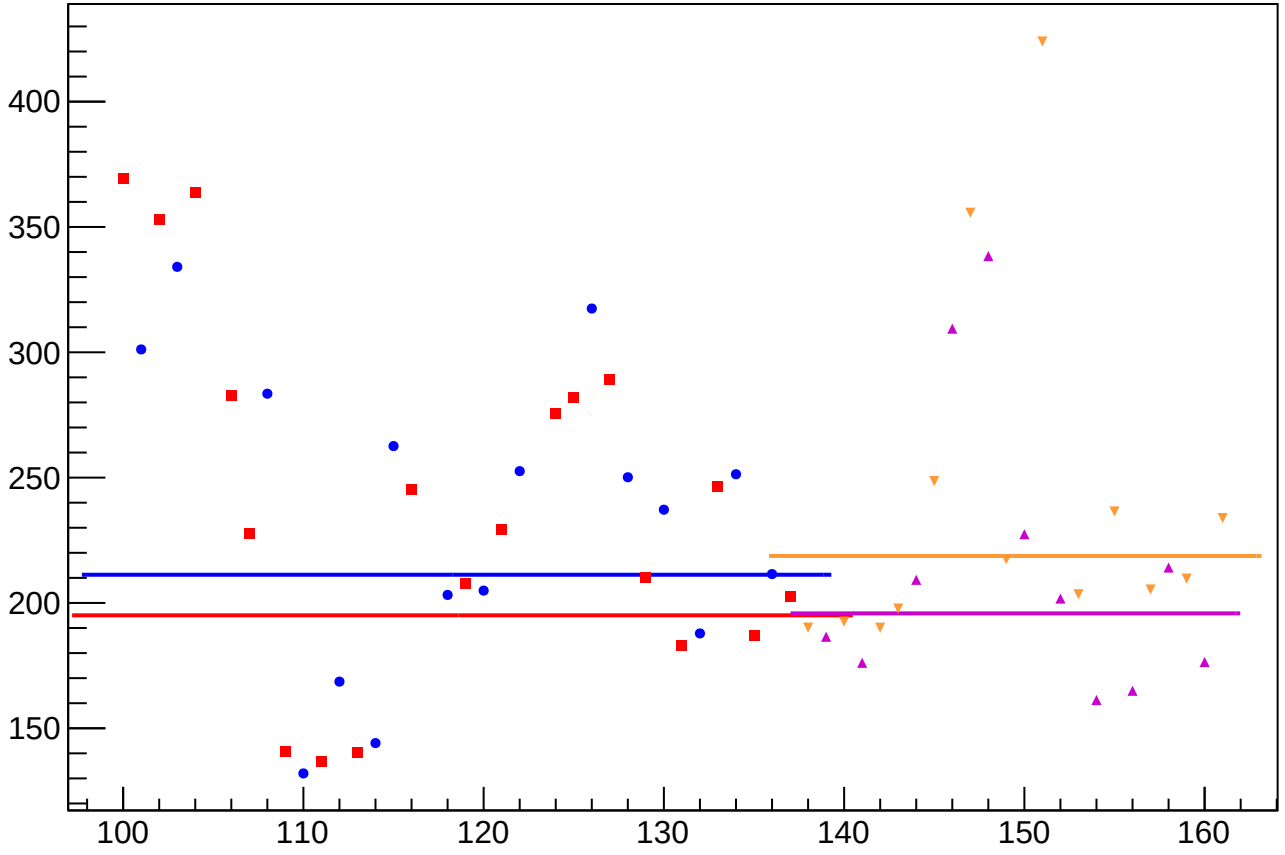
Left In: -254.388+/-66.367 χ^2/NDF:734.6/10

+ sign 458.235+/-53.554 χ^2/NDF: 1682.7/28

All: 379.983+/-36.540 χ^2/NDF: 3067.1/58

- sign 311.825+/-49.981 χ^2/NDF: 1380.4/29

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 218.747+/-0.050 χ^2/NDF:777717.2/12

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

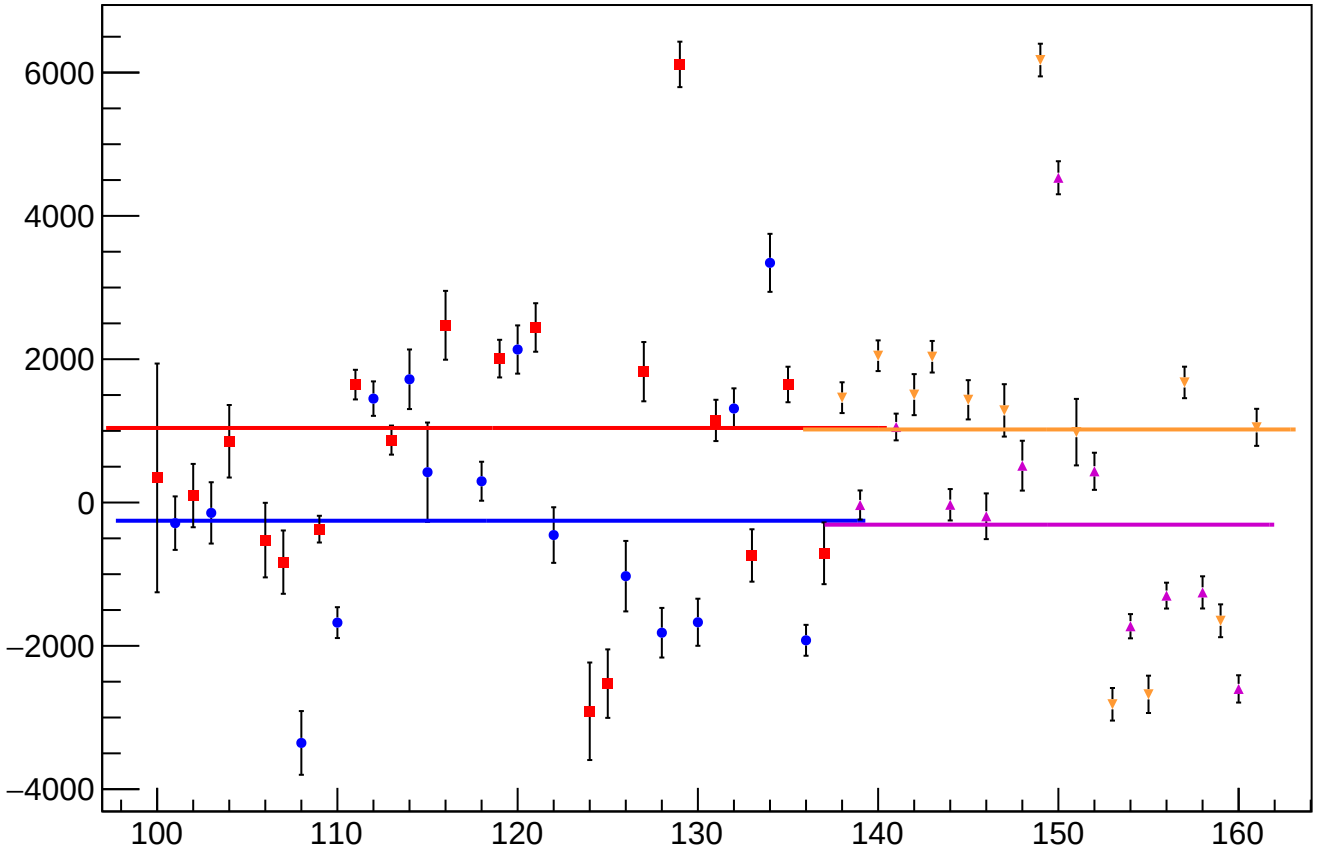
Left In: 195.842+/-0.047 χ^2/NDF:766823.9/10

+ sign 215.589+/-0.038 χ^2/NDF: 1671629.3/28

All: 204.854+/-0.026 χ^2/NDF: 3873798.7/58

- sign 195.504+/-0.035 χ^2/NDF: 2051823.8/29

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1019.621+/-69.049 χ^2/NDF:1196.6/12

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

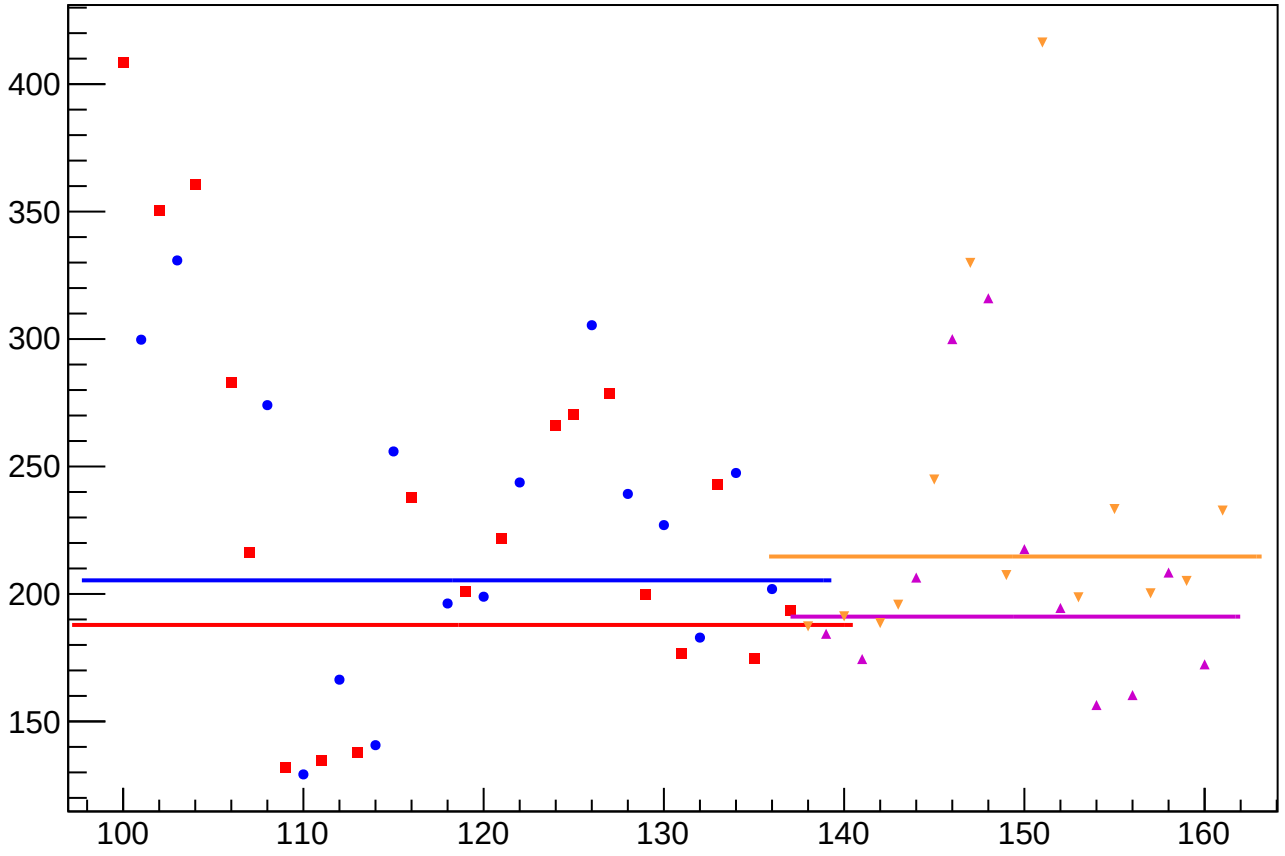
Left In: -309.037+/-64.736 χ^2/NDF:774.4/10

+ sign 477.595+/-52.333 χ^2/NDF: 1773.5/28

All: 372.288+/-35.589 χ^2/NDF: 3279.0/58

- sign 281.693+/-48.540 χ^2/NDF: 1498.0/29

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 214.689+/-0.049 χ^2/NDF:732407.0/12

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

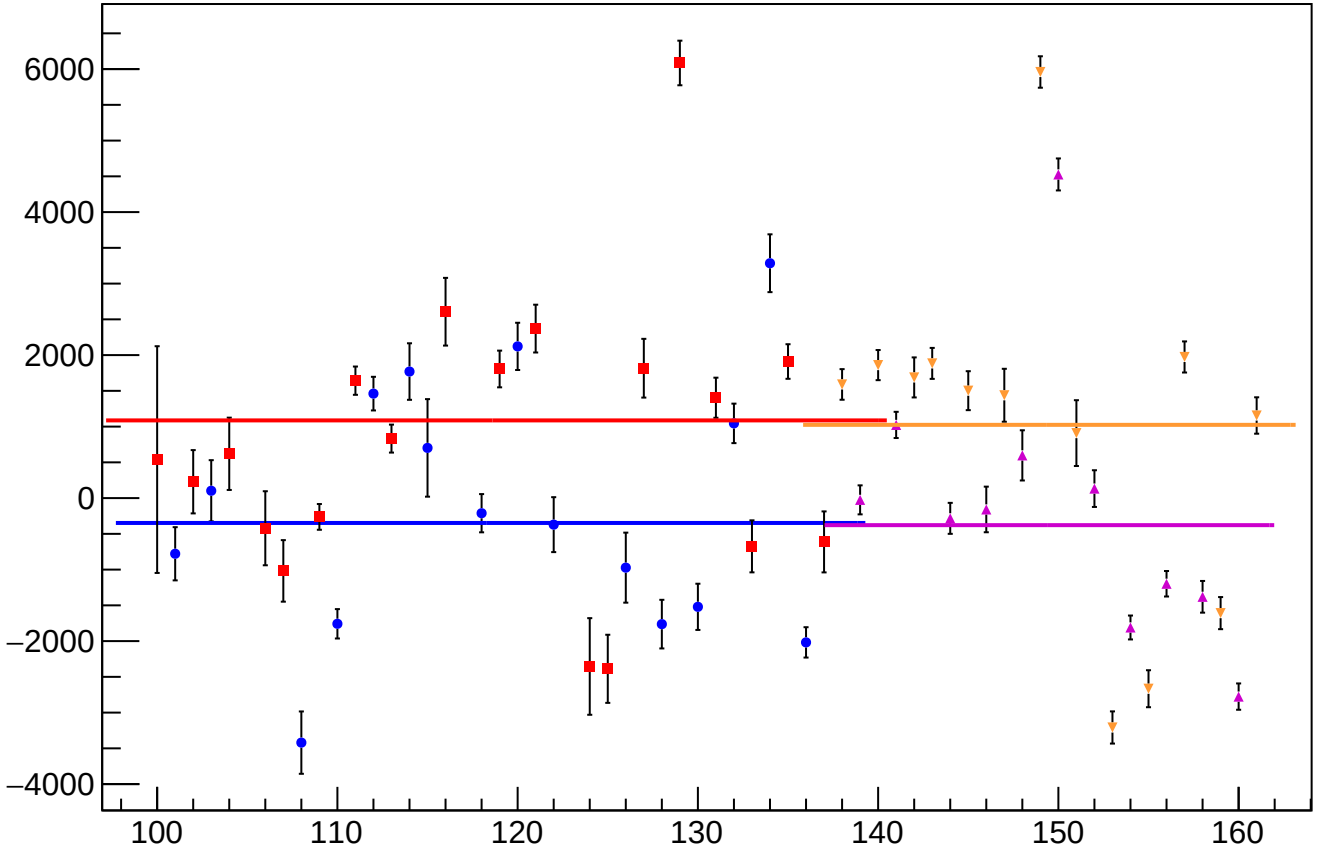
Left In: 191.109+/-0.046 χ^2/NDF:718490.5/10

+ sign 210.711+/-0.037 χ^2/NDF: 1625403.1/28

All: 199.406+/-0.025 χ^2/NDF: 3856762.0/58

- sign 189.681+/-0.034 χ^2/NDF: 2057760.6/29

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1024.510+/-68.093 χ^2/NDF:1266.0/12

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

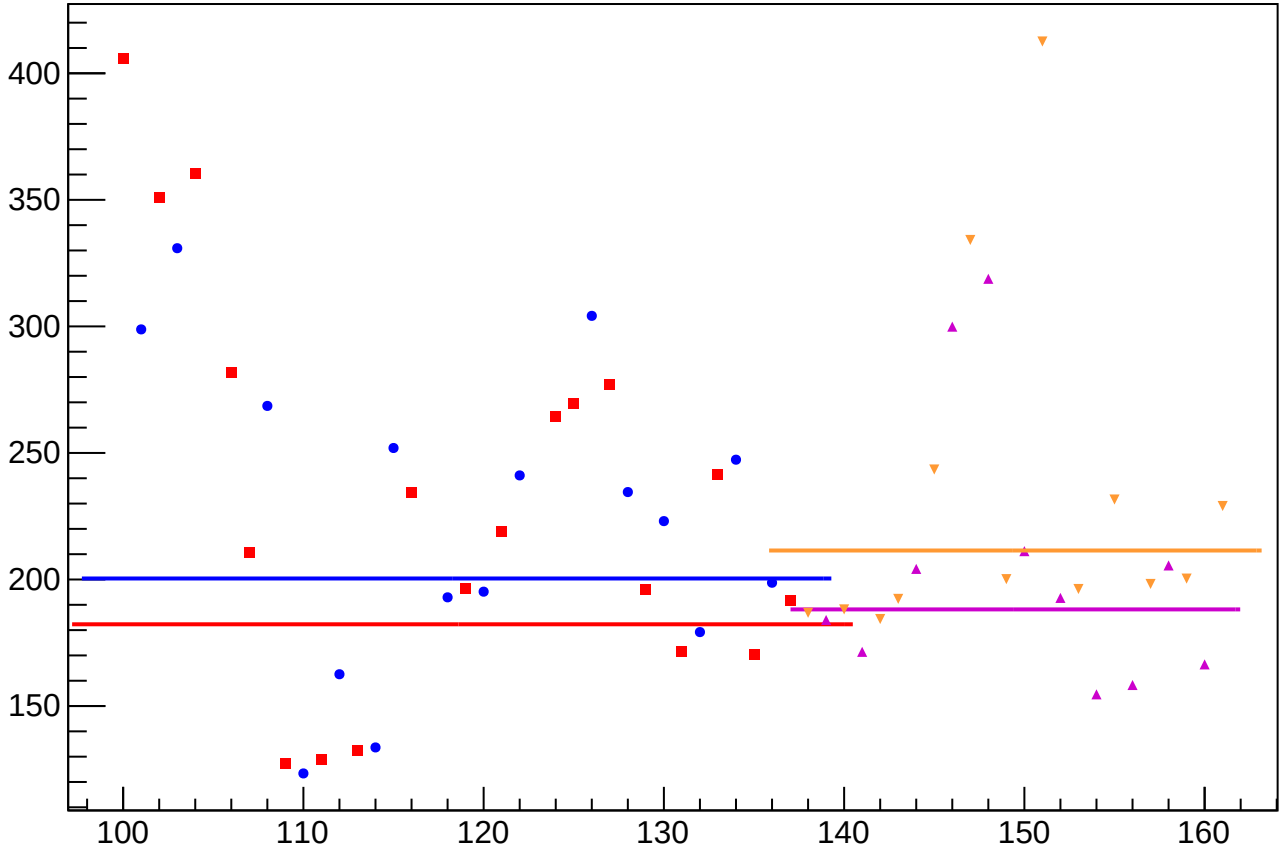
Left In: -378.310+/-63.814 χ^2/NDF:838.8/10

+ sign 435.924+/-51.457 χ^2/NDF: 1886.0/28

All: 346.991+/-34.951 χ^2/NDF: 3491.1/58

- sign 270.822+/-47.621 χ^2/NDF: 1599.5/29

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 211.457+/-0.048 χ^2/NDF:762577.8/12

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

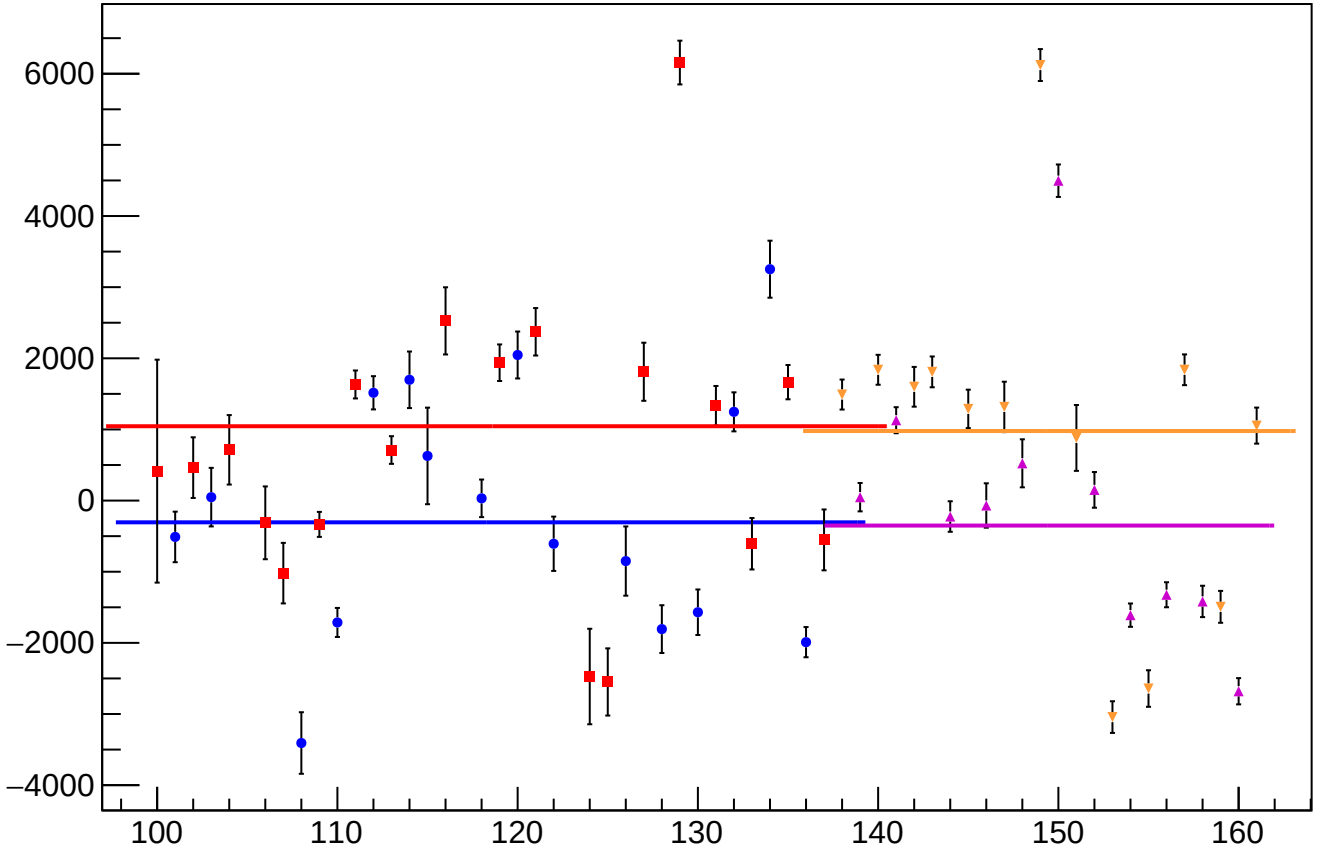
Left In: 188.183+/-0.045 χ^2/NDF:749409.7/10

+ sign 206.713+/-0.036 χ^2/NDF: 1744202.8/28

All: 195.328+/-0.025 χ^2/NDF: 4130111.8/58

- sign 185.577+/-0.034 χ^2/NDF: 2204134.1/29

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 977.592+/-67.780 χ^2/NDF:1232.9/12

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

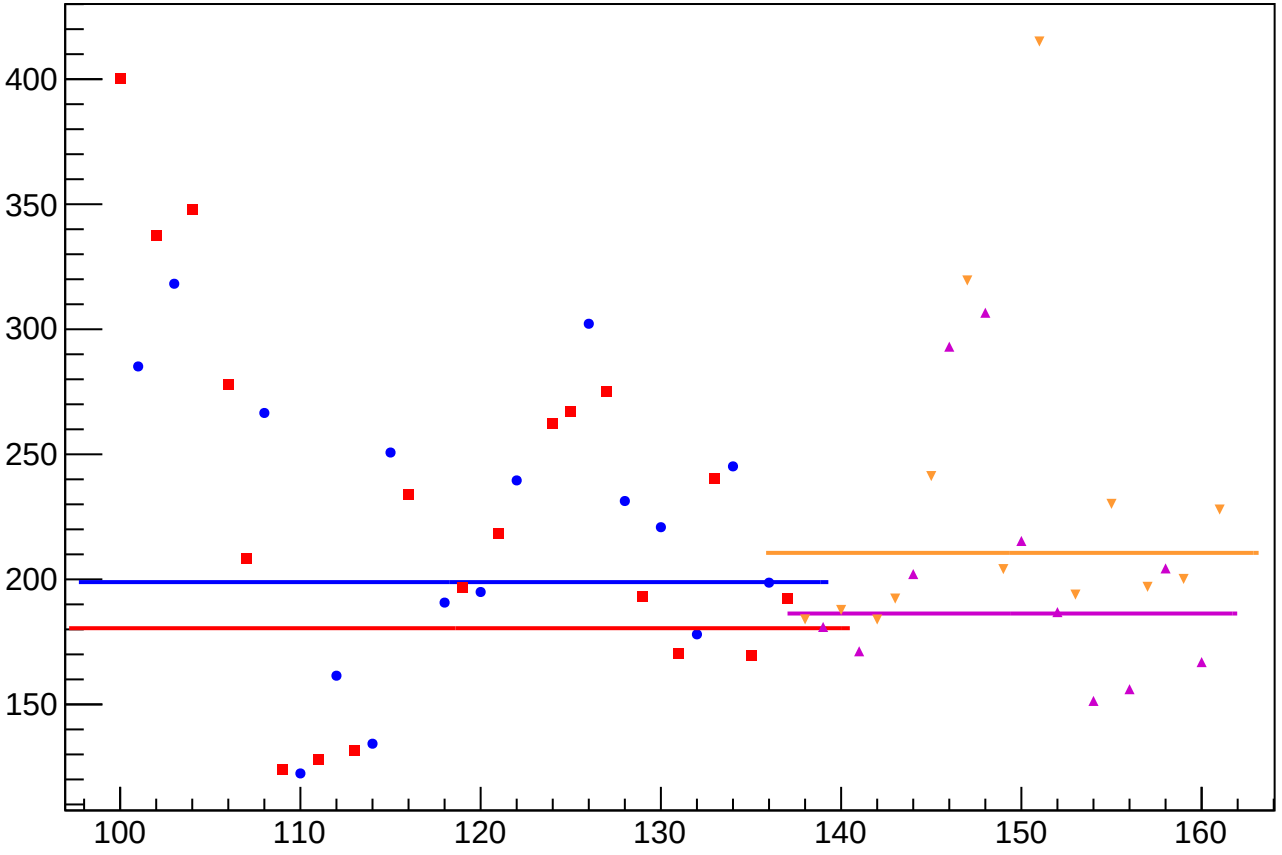
Left In: -350.985+/-63.211 χ^2/NDF:804.8/10

+ sign 424.427+/-51.125 χ^2/NDF: 1839.2/28

All: 339.934+/-34.664 χ^2/NDF: 3417.5/58

- sign 268.040+/-47.159 χ^2/NDF: 1573.2/29

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 210.596+/-0.048 χ^2/NDF:739141.5/12

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

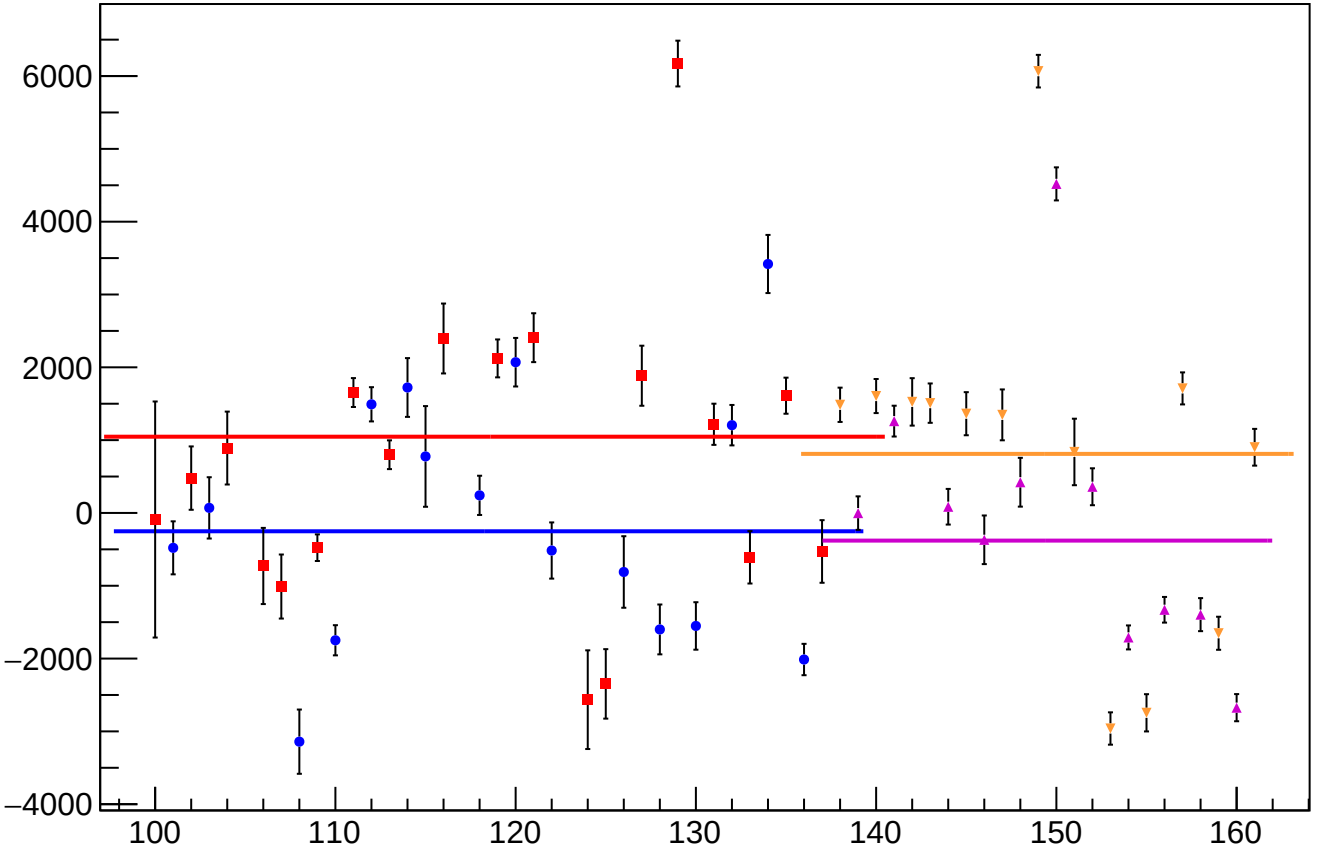
Left In: 186.342+/-0.045 χ^2/NDF:731527.4/10

+ sign 205.555+/-0.036 χ^2/NDF: 1677564.7/28

All: 193.769+/-0.025 χ^2/NDF: 4047924.1/58

- sign 183.740+/-0.033 χ^2/NDF: 2173608.1/29

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 811.027+/-71.598 χ^2/NDF:1204.6/12

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

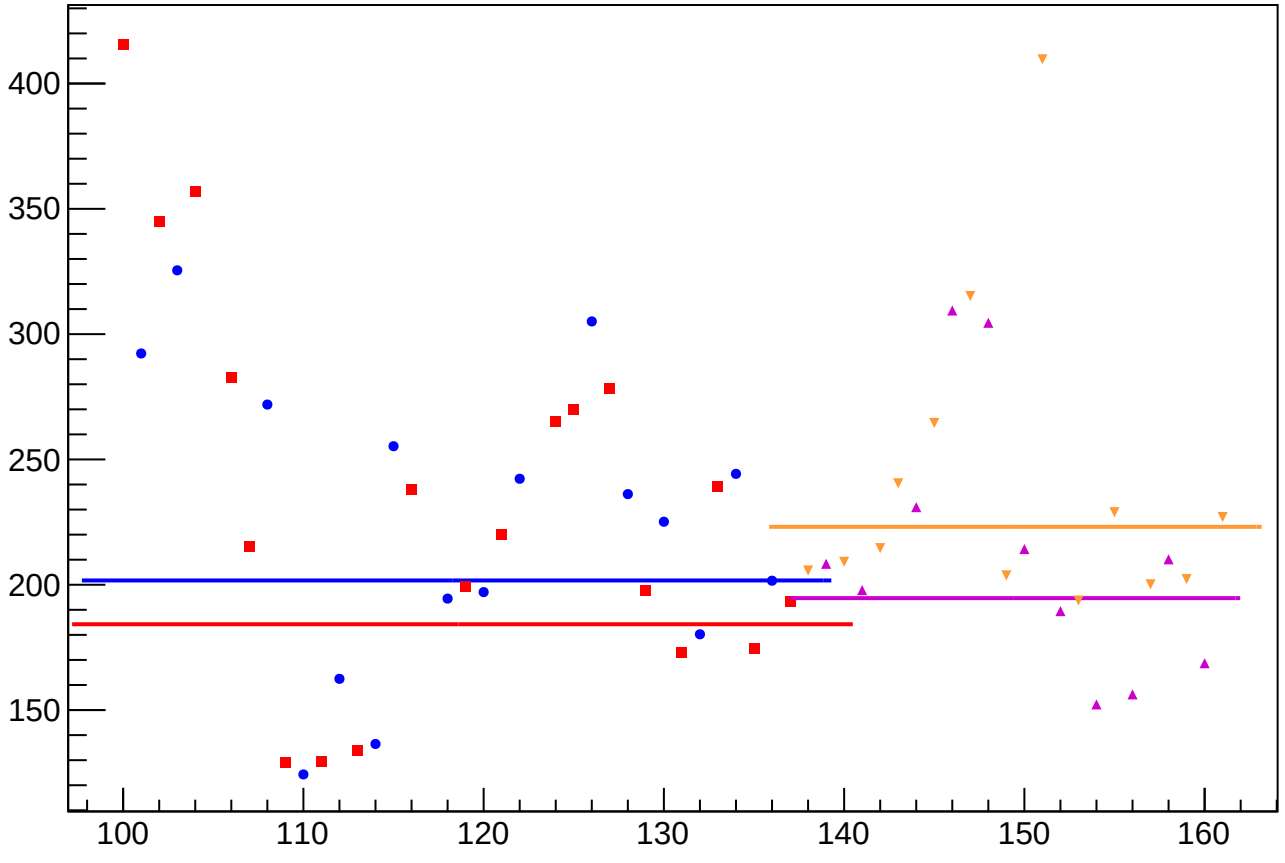
Left In: -379.874+/-66.232 χ^2/NDF:811.8/10

+ sign 331.557+/-53.044 χ^2/NDF: 1745.2/28

All: 299.478+/-35.915 χ^2/NDF: 3316.6/58

- sign 272.323+/-48.804 χ^2/NDF: 1570.7/29

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 223.114+/-0.051 χ^2/NDF:629731.2/12

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

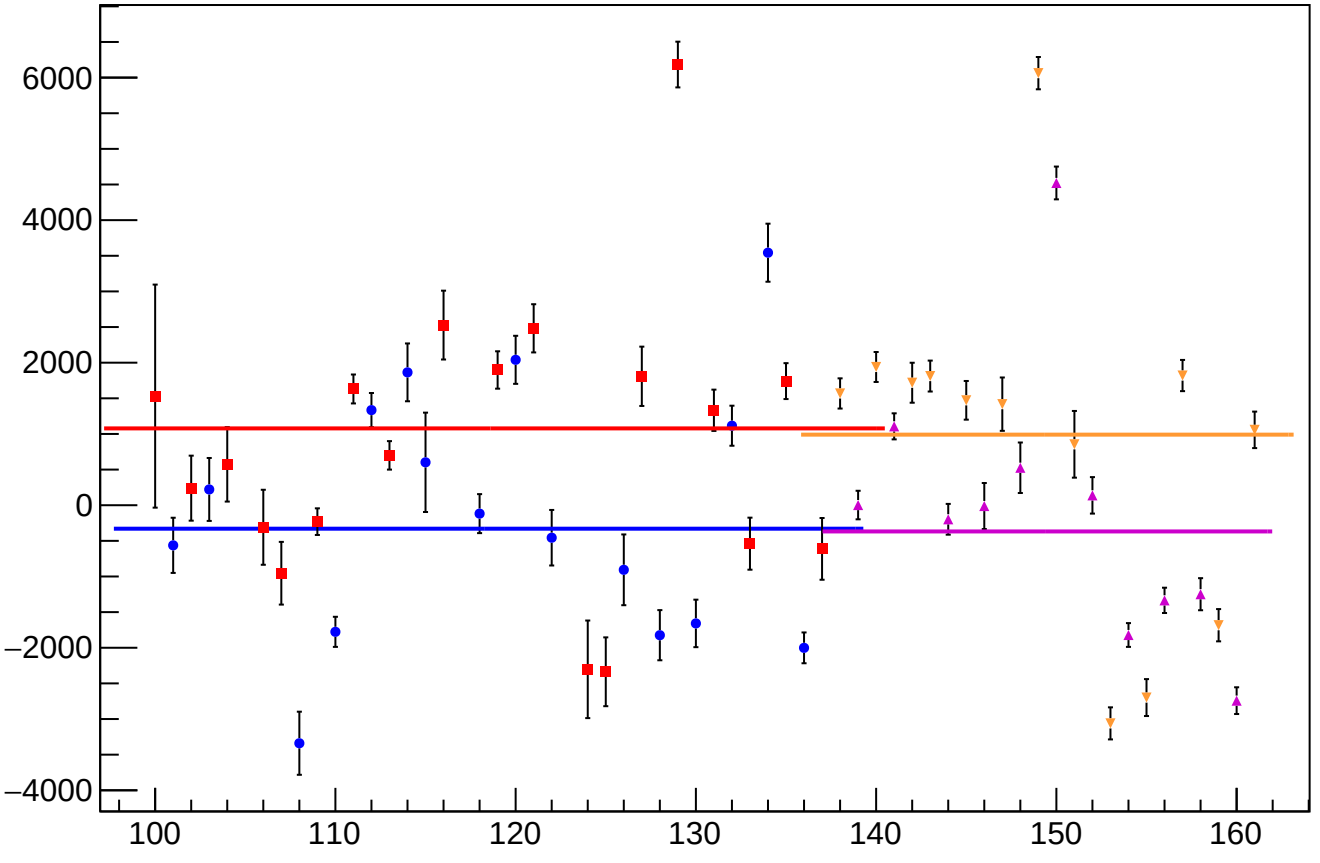
Left In: 194.661+/-0.047 χ^2/NDF:793940.4/10

+ sign 213.460+/-0.038 χ^2/NDF: 1634548.7/28

All: 200.701+/-0.025 χ^2/NDF: 4068533.5/58

- sign 189.900+/-0.035 χ^2/NDF: 2220314.1/29

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 990.270+/-68.386 χ^2/NDF:1235.2/12

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

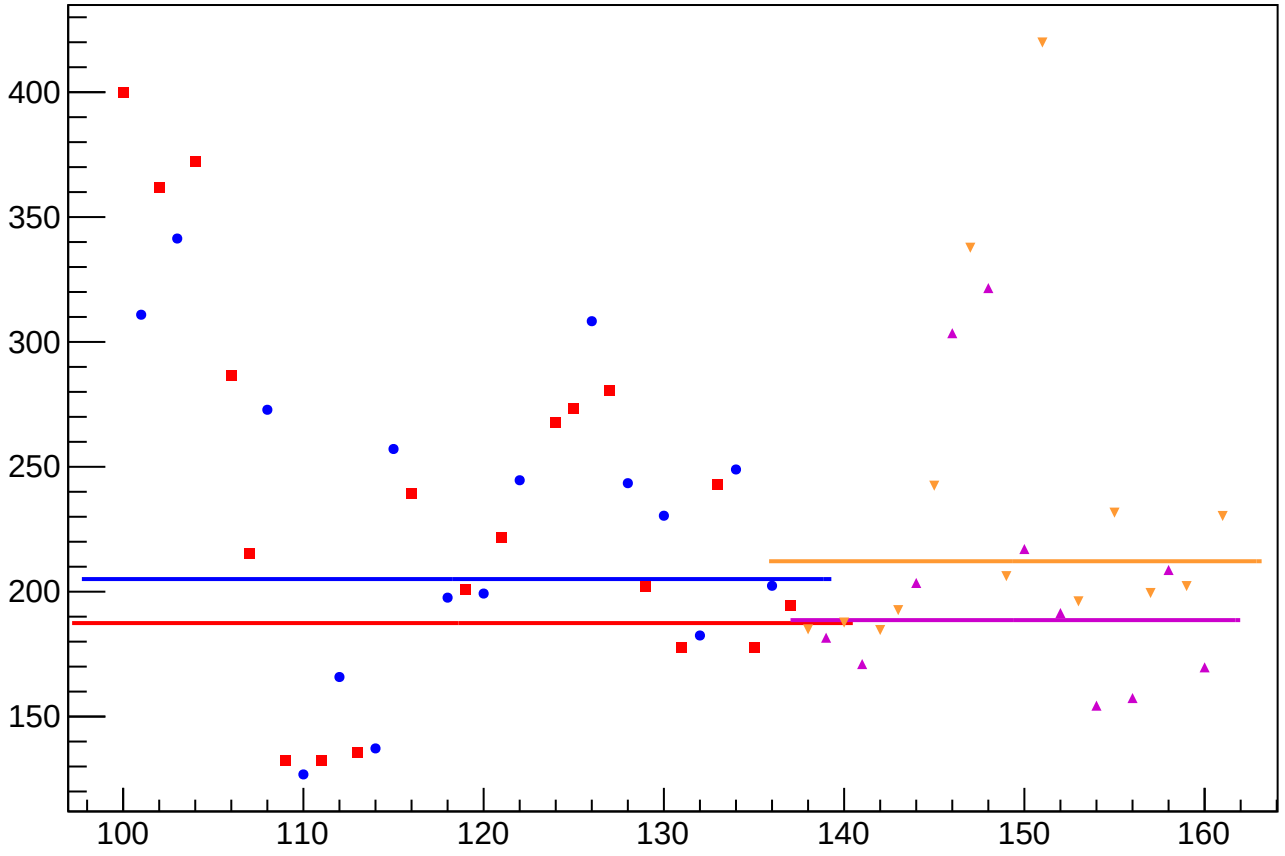
Left In: -367.954+/-64.044 χ^2/NDF:813.4/10

+ sign 436.052+/-52.082 χ^2/NDF: 1828.0/28

All: 339.685+/-35.398 χ^2/NDF: 3370.0/58

- sign 256.950+/-48.258 χ^2/NDF: 1535.6/29

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 212.190+/-0.048 χ^2/NDF:783082.5/12

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

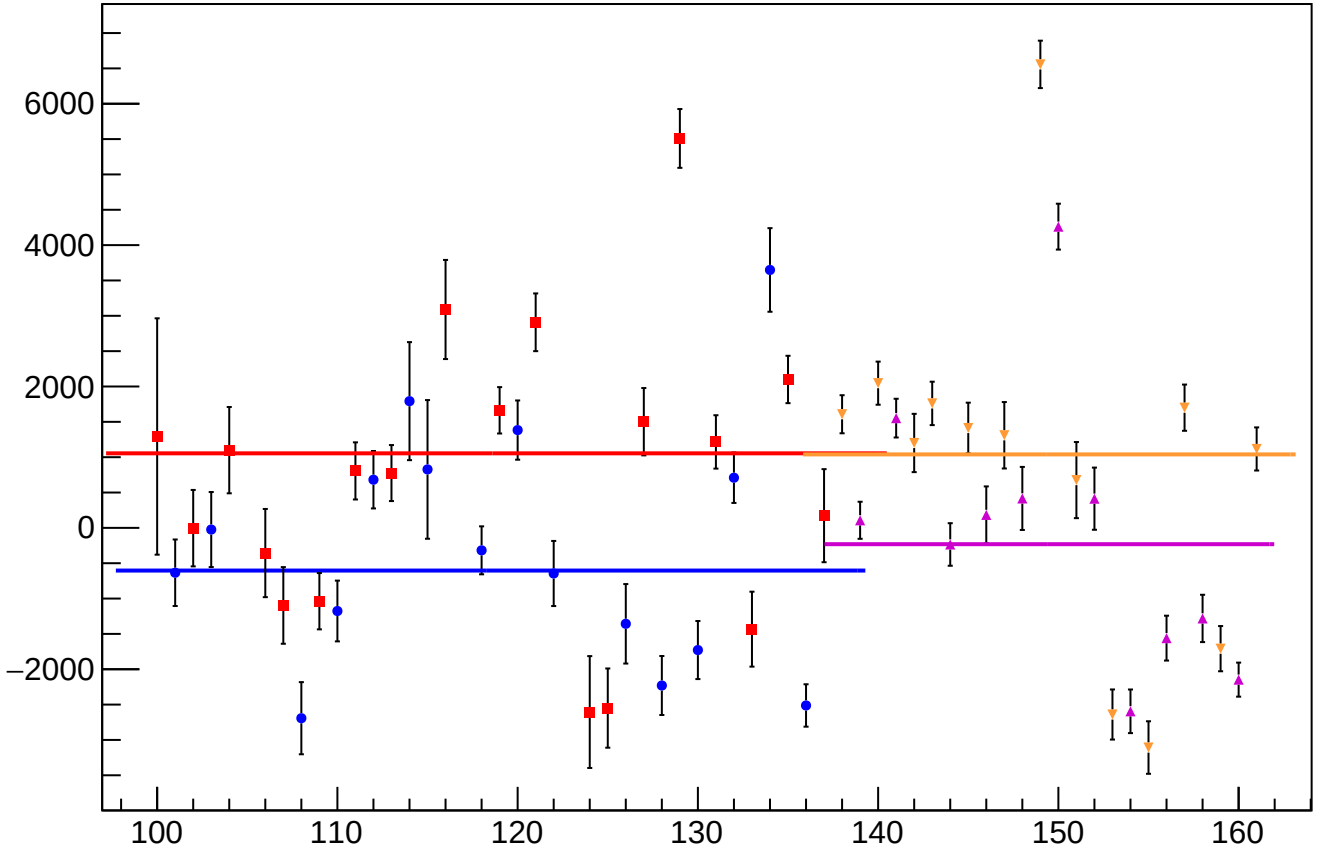
Left In: 188.617+/-0.045 χ^2/NDF:778542.0/10

+ sign 209.193+/-0.037 χ^2/NDF: 1755284.3/28

All: 197.846+/-0.025 χ^2/NDF: 4121352.8/58

- sign 188.104+/-0.034 χ^2/NDF: 2189640.5/29

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1039.302+/-95.013 χ^2/NDF:603.9/12

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

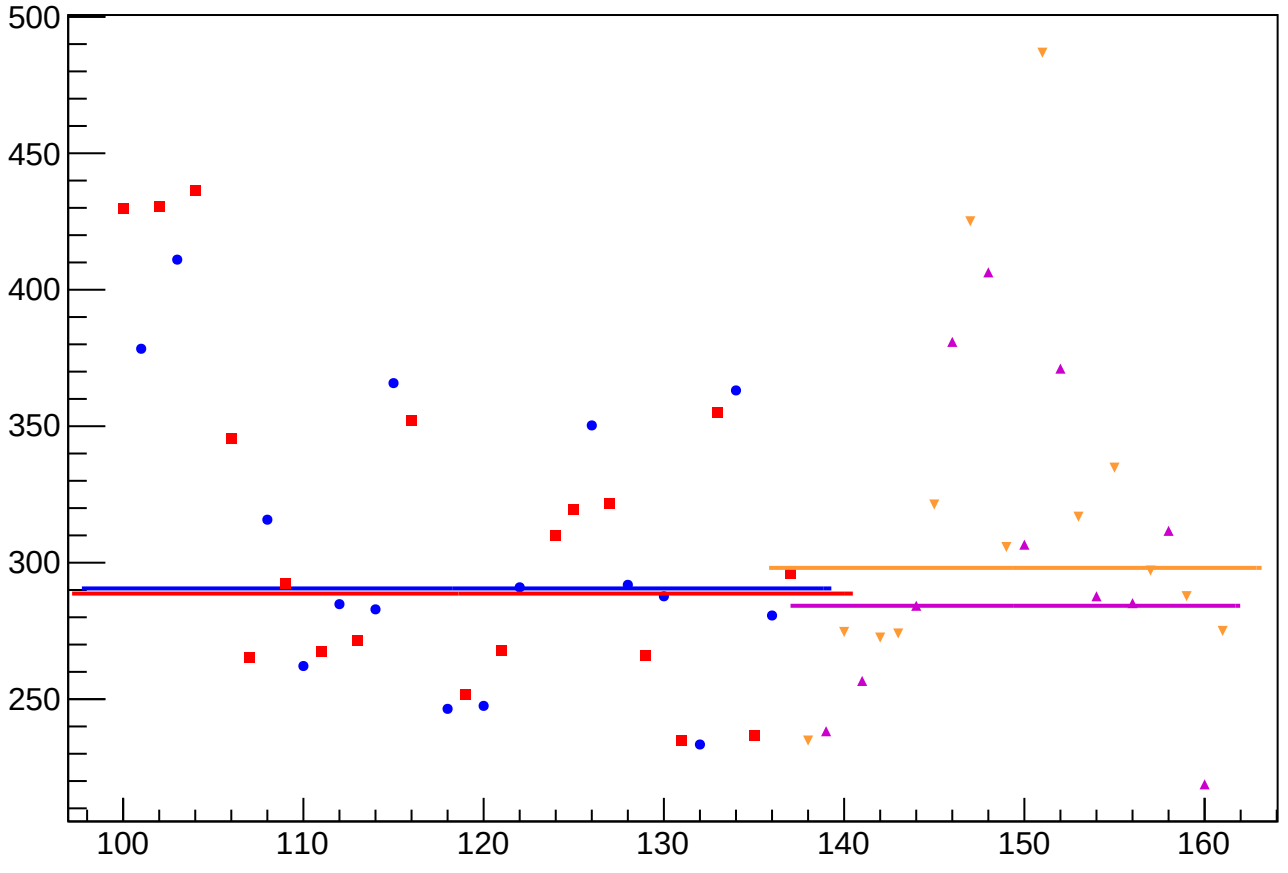
Left In: -230.773+/-94.760 χ^2/NDF:390.3/10

+ sign 342.249+/-72.096 χ^2/NDF: 924.3/28

All: 334.429+/-50.698 χ^2/NDF: 1692.1/58

- sign 326.781+/-71.305 χ^2/NDF: 767.8/29

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 298.103+/-0.067 χ^2/NDF:582207.8/12

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

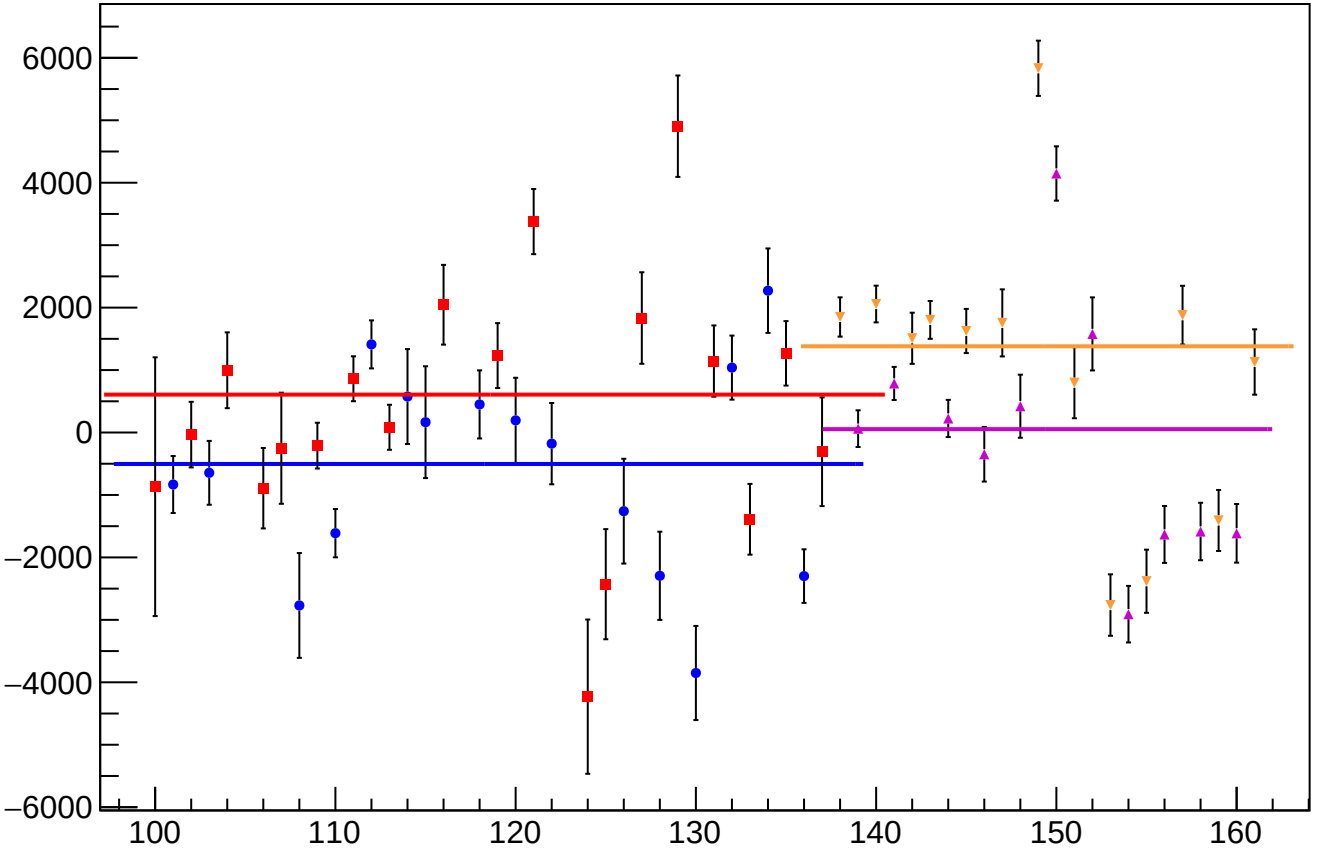
Left In: 284.217+/-0.067 χ^2/NDF:595866.3/10

+ sign 294.906+/-0.051 χ^2/NDF: 947353.6/28

All: 290.482+/-0.036 χ^2/NDF: 2049138.3/58

- sign 286.155+/-0.050 χ^2/NDF: 1086890.9/29

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1380.519+/-112.791 χ^2/NDF:273.1/12

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

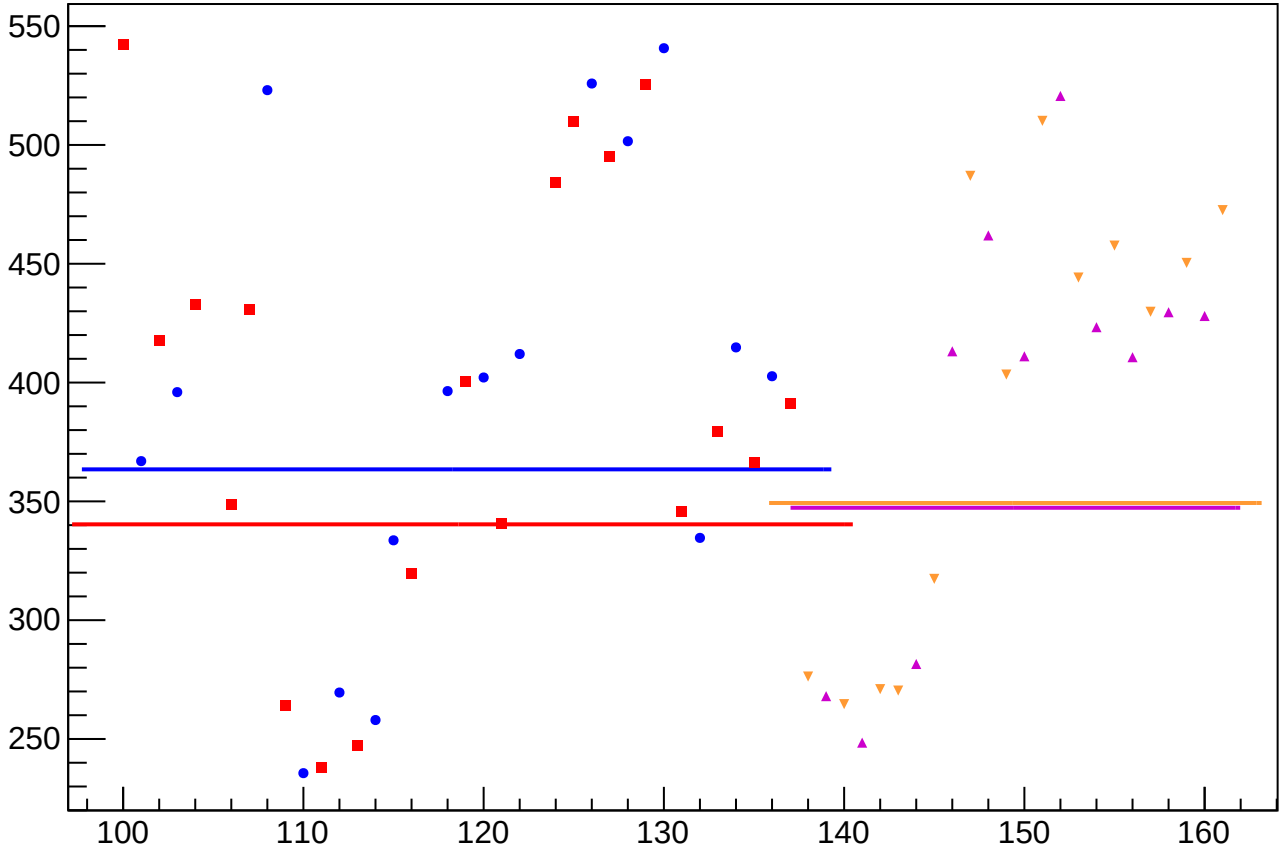
Left In: 53.899+/-116.722 χ^2/NDF:186.5/10

+ sign 639.277+/-87.847 χ^2/NDF: 501.1/28

All: 468.257+/-61.720 χ^2/NDF: 830.3/58

- sign 301.541+/-86.734 χ^2/NDF: 321.7/29

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 349.323+/-0.080 χ^2/NDF:1241316.9/12

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

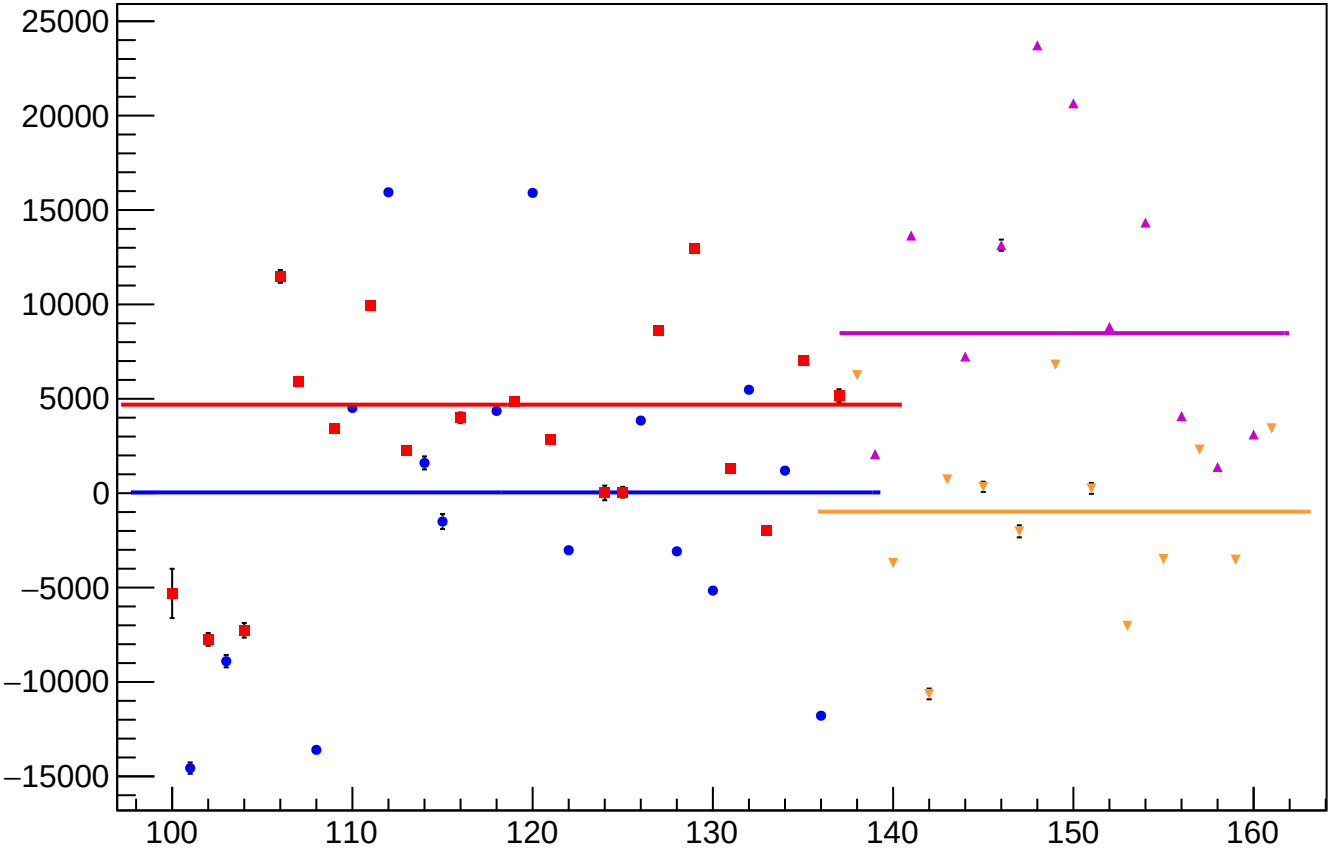
Left In: 347.311+/-0.083 χ^2/NDF:1106149.3/10

+ sign 354.889+/-0.062 χ^2/NDF: 2034590.4/28

All: 349.469+/-0.044 χ^2/NDF: 4015205.4/58

- sign 344.186+/-0.061 χ^2/NDF: 1965581.4/29

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -977.609+/-53.726 χ^2/NDF:7438.4/12

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

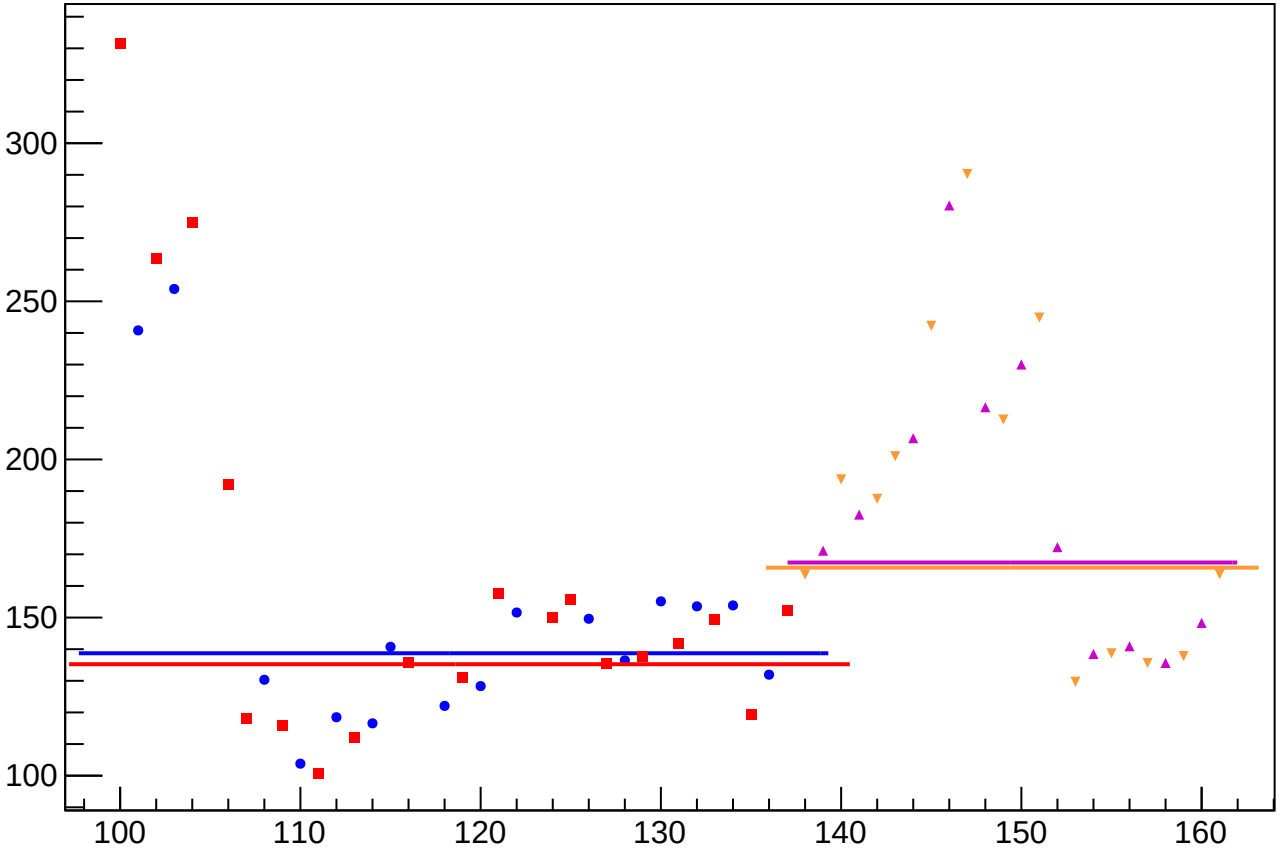
Left In: 8478.858+/-56.825 χ^2/NDF:14215.2/10

+ sign -472.808+/-38.156 χ^2/NDF: 38402.8/28

All: 2951.614+/-27.066 χ^2/NDF: 79042.4/58

- sign 6420.034+/-38.400 χ^2/NDF: 24426.8/29

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 165.784+/-0.038 χ^2/NDF:1126152.4/12

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

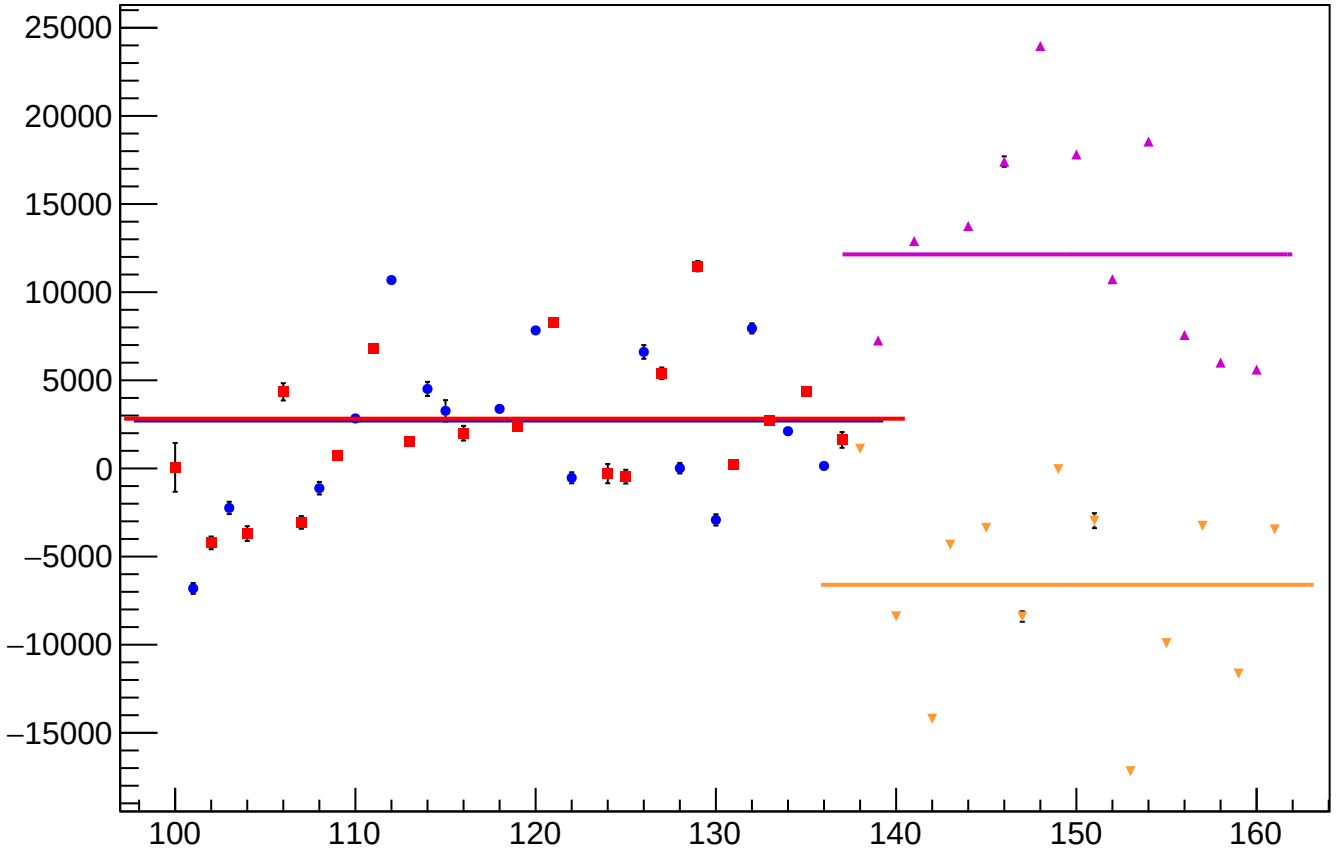
Left In: 167.407+/-0.040 χ^2/NDF:833941.7/10

+ sign 152.366+/-0.027 χ^2/NDF: 2035620.6/28

All: 151.157+/-0.019 χ^2/NDF: 4111728.2/58

- sign 149.932+/-0.027 χ^2/NDF: 2072062.5/29

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6602.119+/-63.946 χ^2/NDF:7602.8/12

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

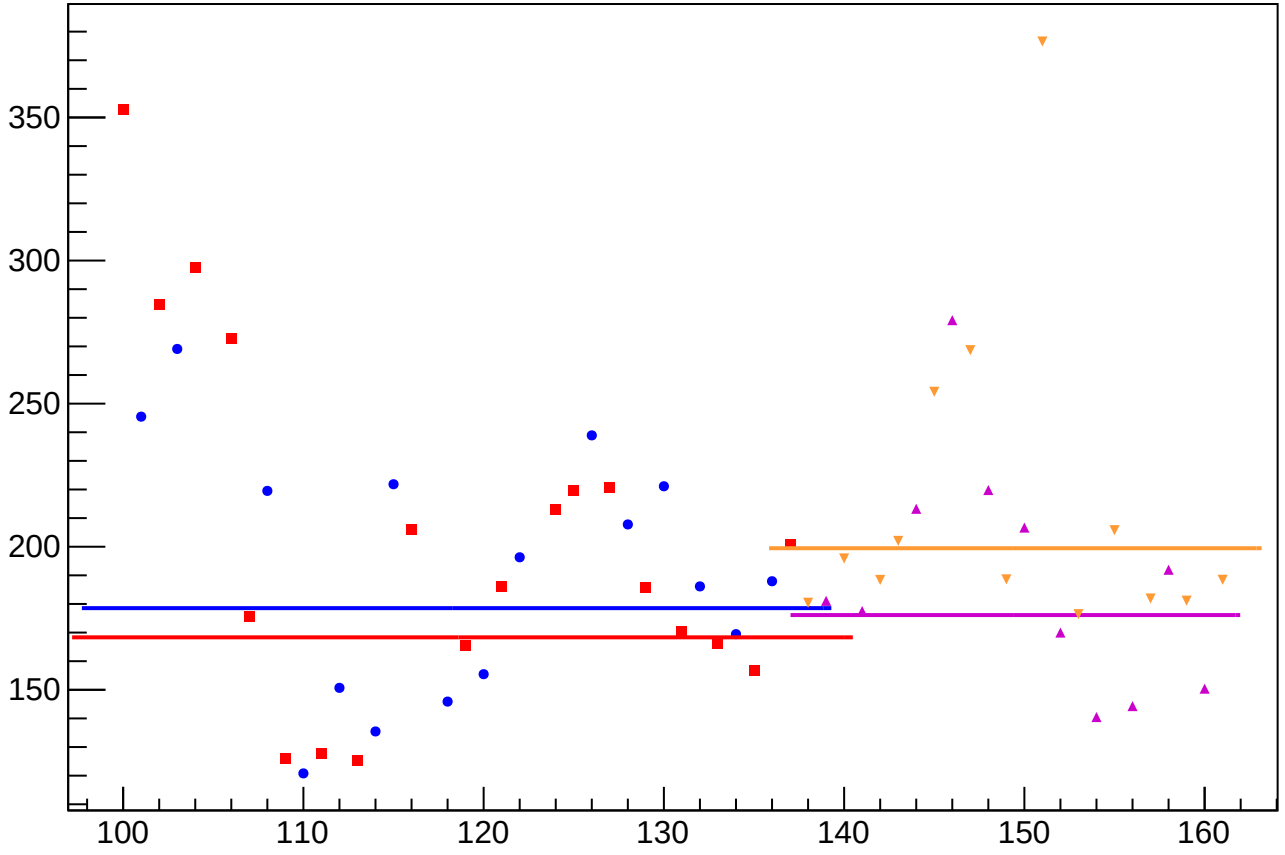
Left In: 12143.672+/-59.626 χ^2/NDF:9004.8/10

+ sign -2311.514+/-46.979 χ^2/NDF: 21513.4/28

All: 3126.879+/-32.072 χ^2/NDF: 69872.2/58

- sign 7874.161+/-43.893 χ^2/NDF: 23260.1/29

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 199.473+/-0.045 χ^2/NDF:623197.7/12

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

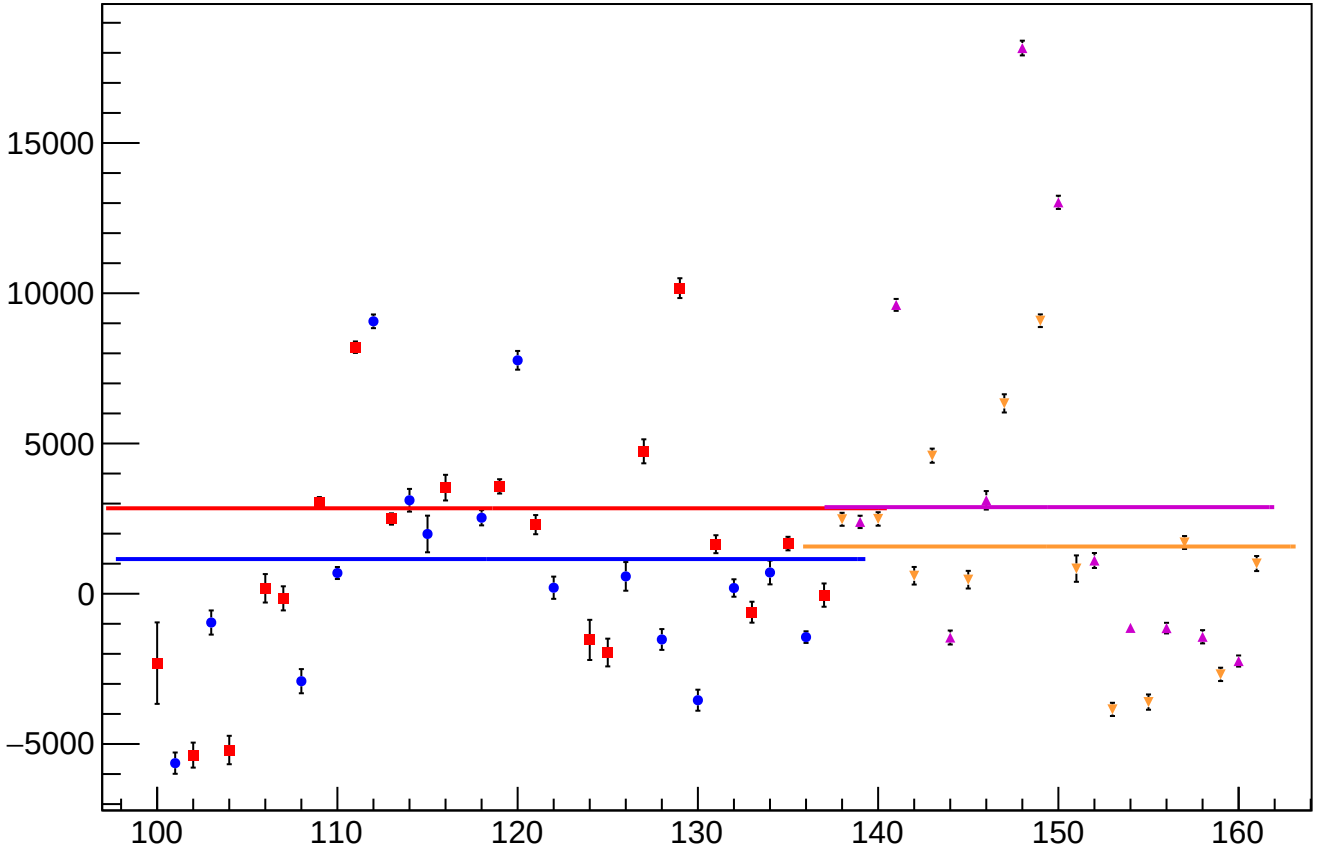
Left In: 176.120+/-0.042 χ^2/NDF:647425.9/10

+ sign 189.839+/-0.033 χ^2/NDF: 1396398.7/28

All: 180.610+/-0.023 χ^2/NDF: 3183493.2/58

- sign 172.553+/-0.031 χ^2/NDF: 1642530.0/29

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1571.845+/-68.200 χ^2/NDF:3136.5/12

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

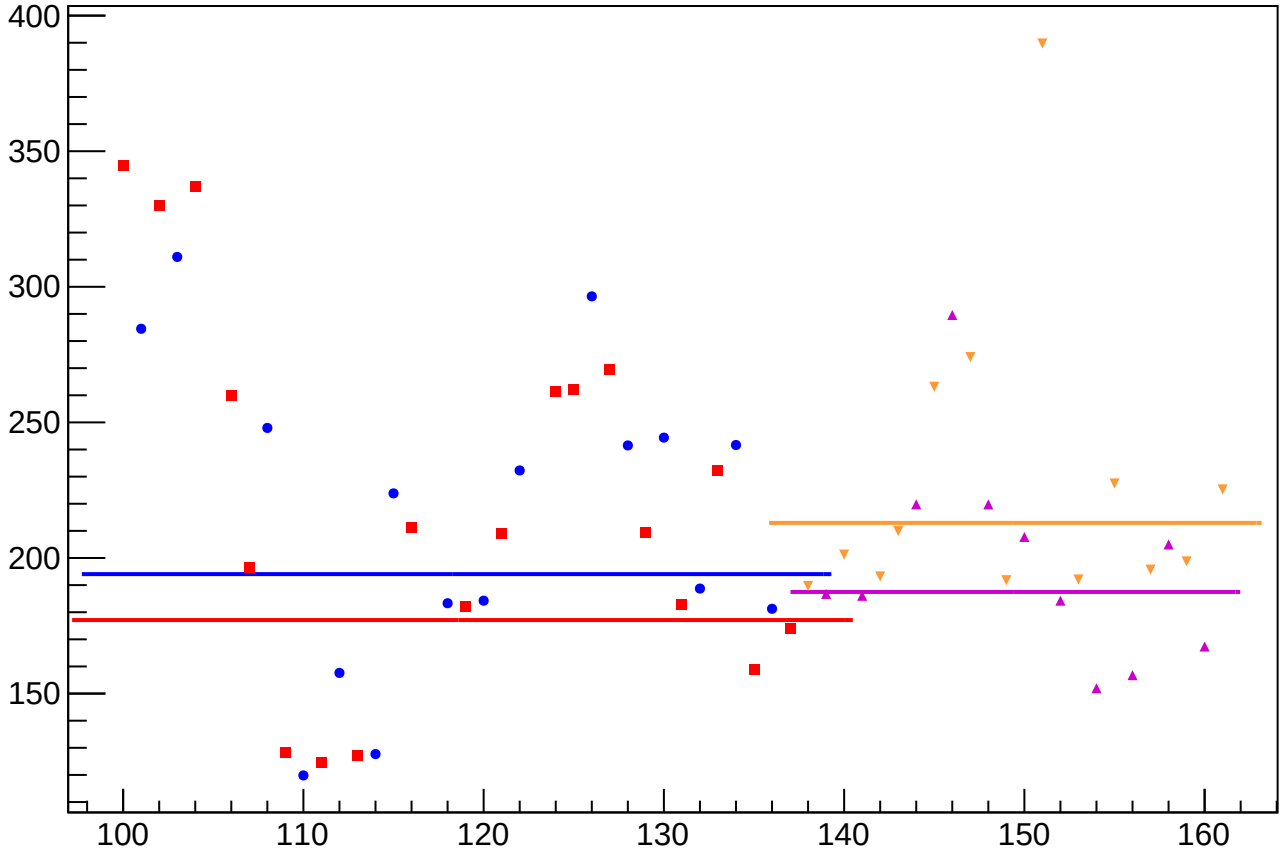
Left In: 2882.120+/-63.258 χ^2/NDF:9808.0/10

+ sign 1385.261+/-50.746 χ^2/NDF: 5808.6/28

All: 2186.763+/-34.352 χ^2/NDF: 18530.4/58

- sign 2864.702+/-46.671 χ^2/NDF: 12261.3/29

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 212.945+/-0.048 χ^2/NDF:571673.2/12

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

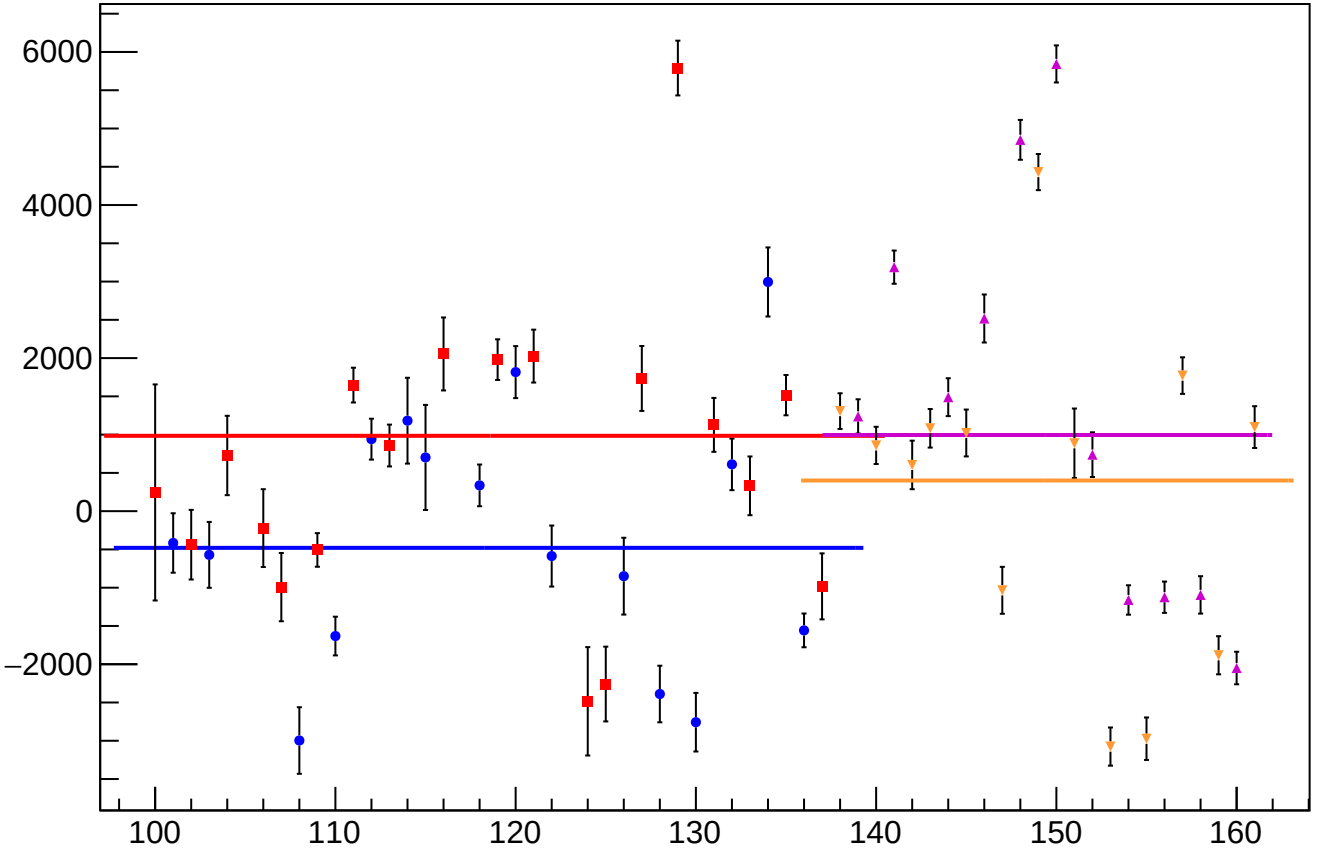
Left In: 187.477+/-0.045 χ^2/NDF:499987.8/10

+ sign 204.512+/-0.036 χ^2/NDF: 1605956.4/28

All: 192.725+/-0.024 χ^2/NDF: 3688914.0/58

- sign 182.755+/-0.033 χ^2/NDF: 1883785.1/29

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 400.617+/-74.274 χ^2/NDF:810.8/12

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

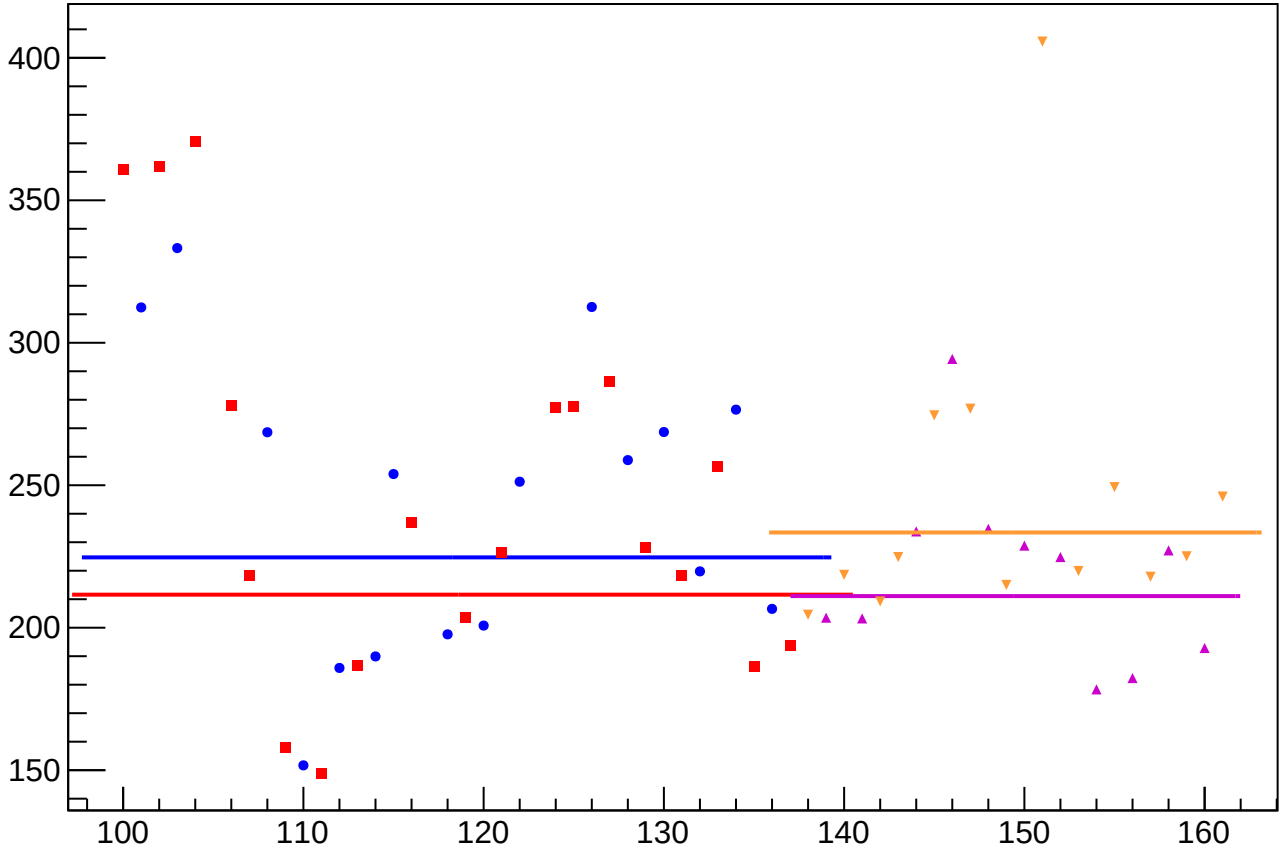
Left In: 995.123+/-70.515 χ^2/NDF:1262.8/10

+ sign 28.104+/-56.402 χ^2/NDF: 1175.7/28

All: 537.689+/-38.689 χ^2/NDF: 2990.8/58

- sign 990.538+/-53.169 χ^2/NDF: 1660.9/29

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 233.425+/-0.053 χ^2/NDF:456235.7/12

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

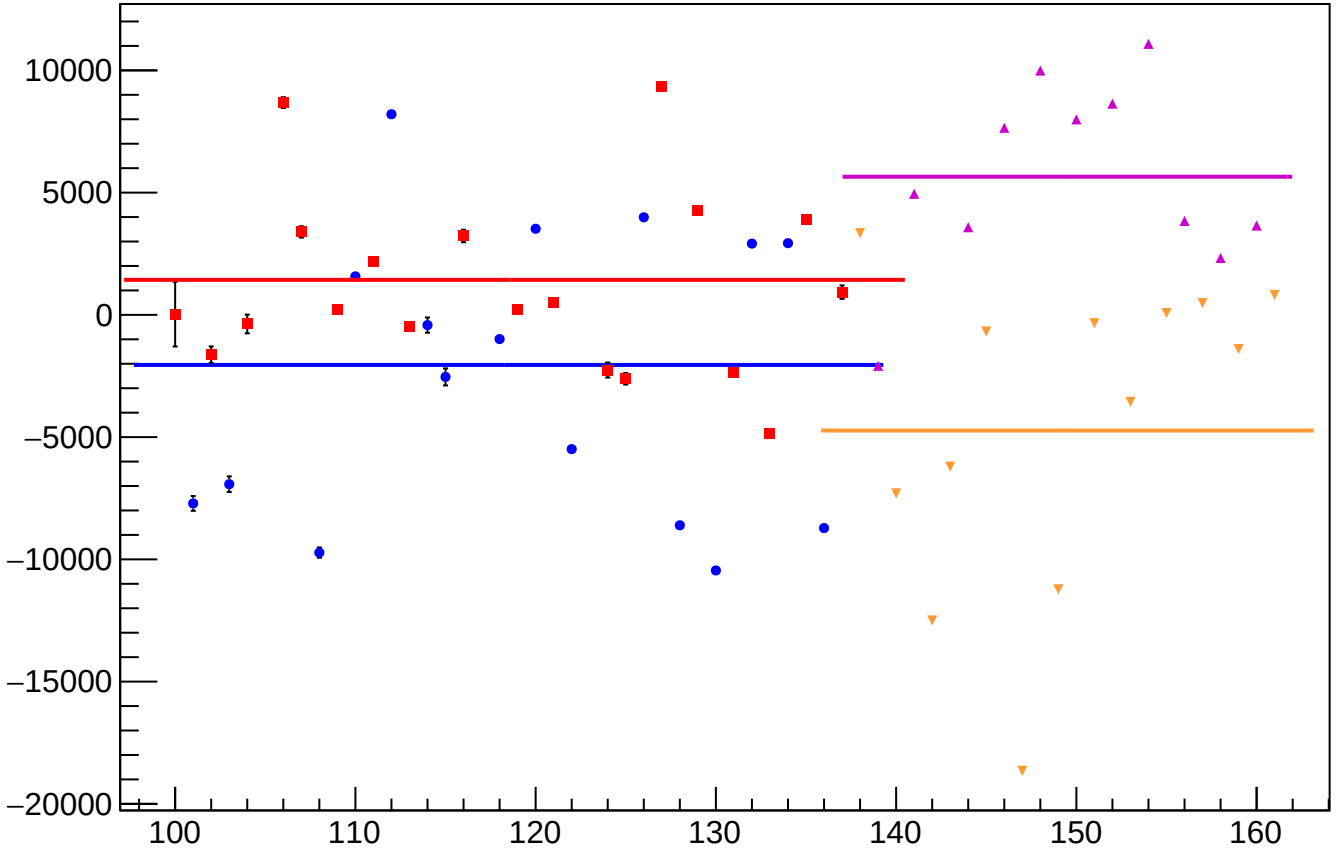
Left In: 211.094+/-0.050 χ^2/NDF:314877.2/10

+ sign 229.724+/-0.040 χ^2/NDF: 1121158.4/28

All: 219.974+/-0.027 χ^2/NDF: 2481845.4/58

- sign 211.310+/-0.038 χ^2/NDF: 1247823.2/29

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4731.003+/-36.760 χ^2/NDF:29657.4/12

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

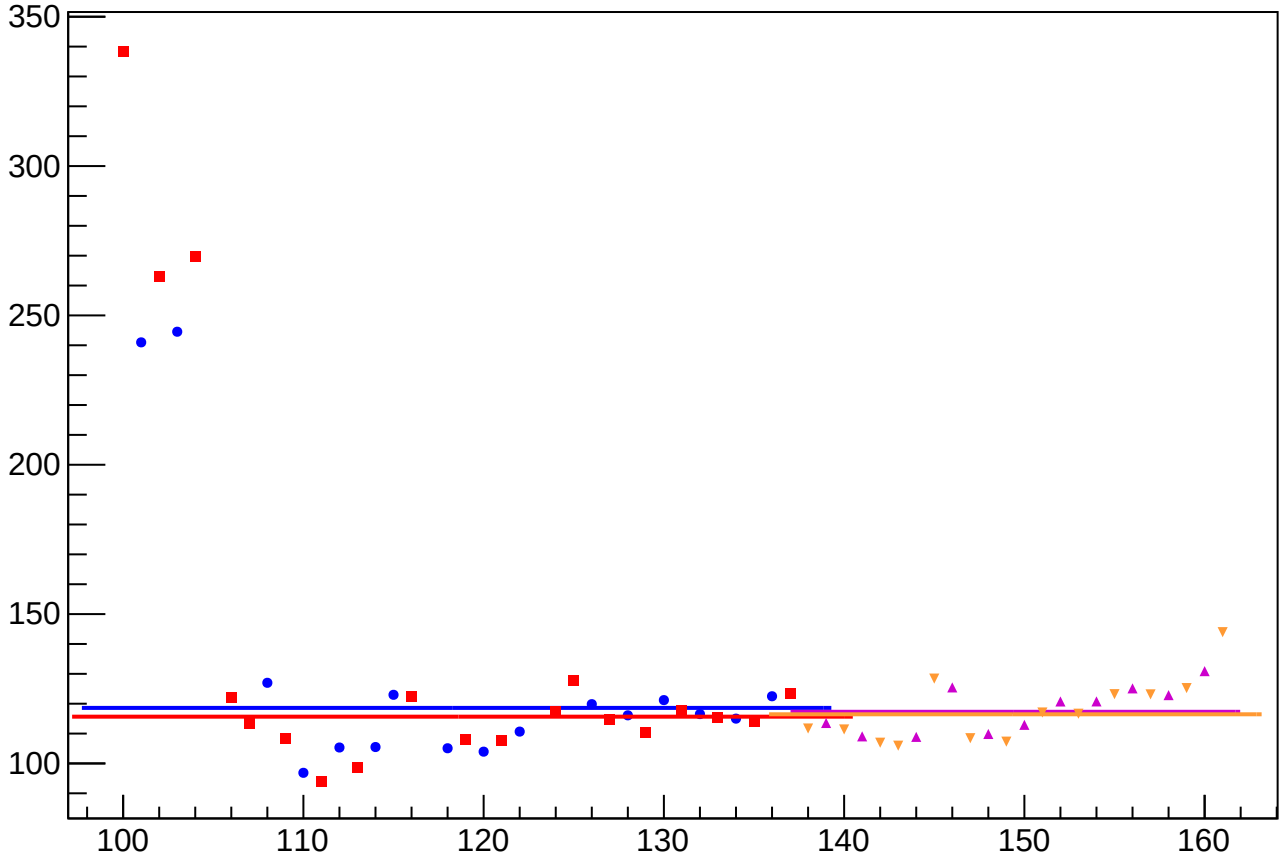
Left In: 5650.559+/-38.489 χ^2/NDF:9212.2/10

+ sign -3704.881+/-28.890 χ^2/NDF: 48404.5/28

All: 38.605+/-20.528 χ^2/NDF: 103025.7/58

- sign 3856.212+/-29.175 χ^2/NDF: 20708.6/29

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 116.455+/-0.026 χ^2/NDF:139521.8/12

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

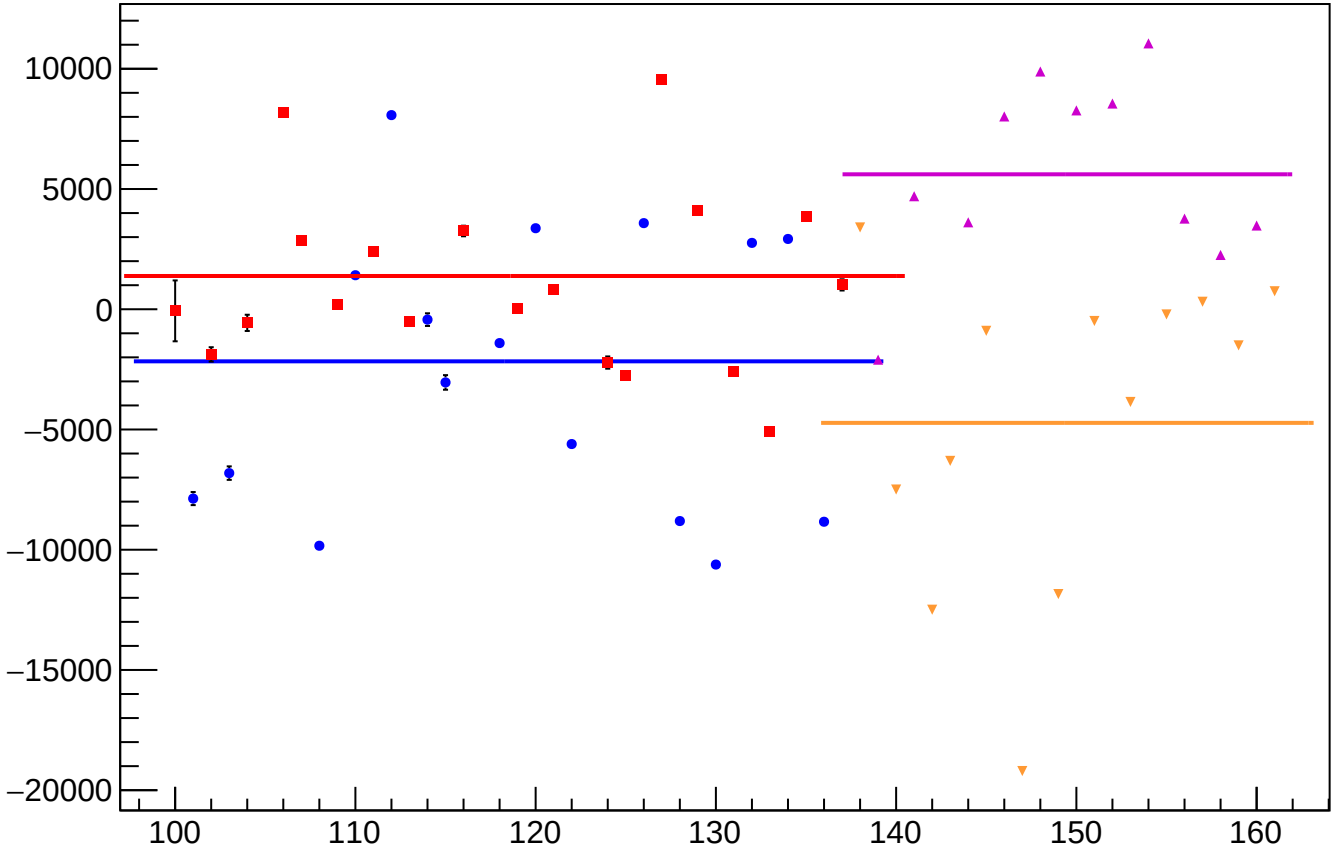
Left In: 117.291+/-0.027 χ^2/NDF:69991.3/10

+ sign 117.274+/-0.020 χ^2/NDF: 876273.3/28

All: 116.939+/-0.015 χ^2/NDF: 1812542.6/58

- sign 116.597+/-0.021 χ^2/NDF: 935725.4/29

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4724.827+/-33.098 χ^2/NDF:36073.4/12

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

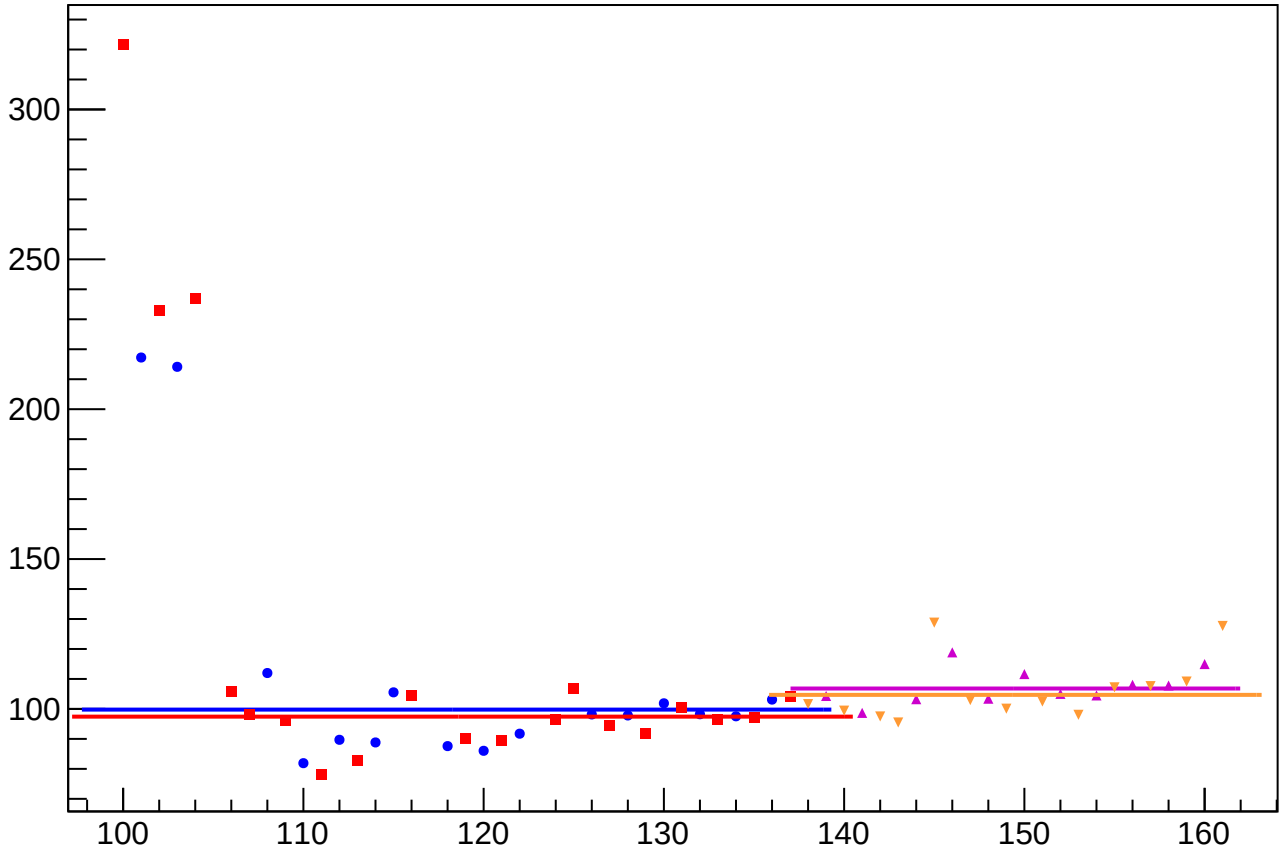
Left In: 5611.795+/-35.067 χ^2/NDF:11370.3/10

+ sign -3673.394+/-25.404 χ^2/NDF: 61404.2/28

All: -55.366+/-18.089 χ^2/NDF: 129759.0/58

- sign 3665.597+/-25.763 χ^2/NDF: 27211.6/29

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 104.689+/-0.023 χ^2/NDF:149312.7/12

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

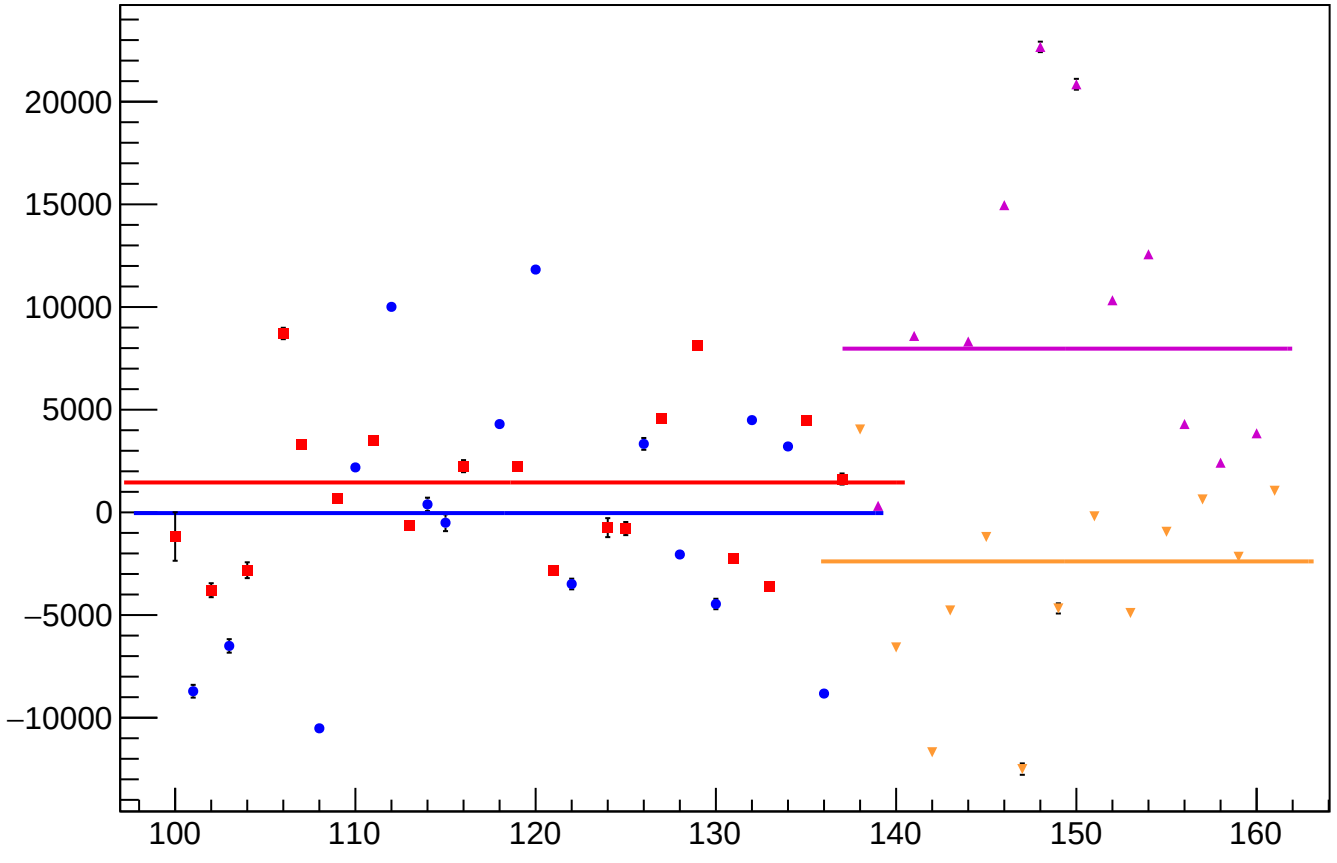
Left In: 106.808+/-0.025 χ^2/NDF:47727.7/10

+ sign 102.670+/-0.018 χ^2/NDF: 976581.5/28

All: 102.581+/-0.013 χ^2/NDF: 2016274.0/58

- sign 102.491+/-0.018 χ^2/NDF: 1039643.6/29

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2387.455+/-48.308 χ^2/NDF:6902.9/12

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

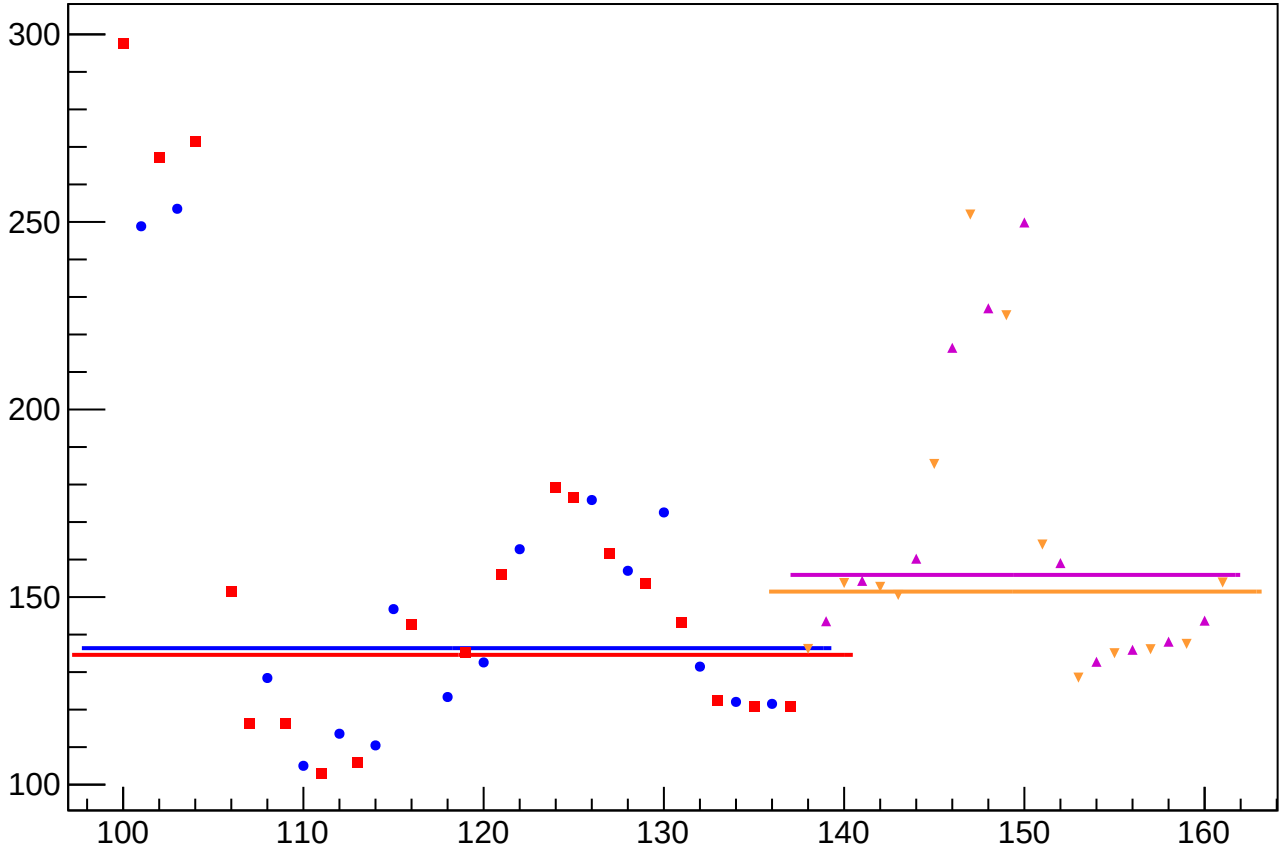
Left In: 7973.169+/-52.059 χ^2/NDF:12840.8/10

+ sign -1329.980+/-35.844 χ^2/NDF: 24771.9/28

All: 1611.848+/-25.667 χ^2/NDF: 63406.2/58

- sign 4707.835+/-36.771 χ^2/NDF: 24809.3/29

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 151.464+/-0.034 χ^2/NDF:637077.9/12

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

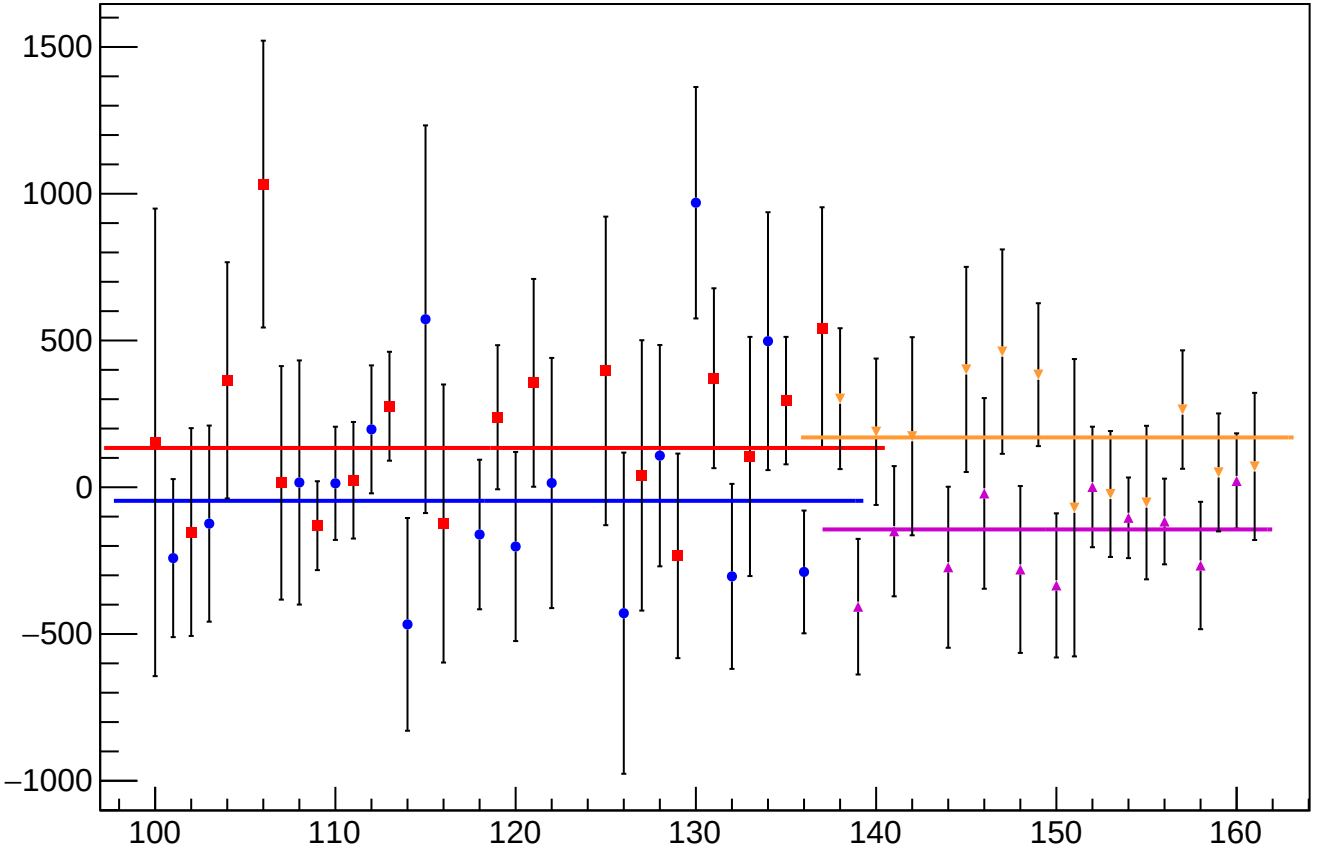
Left In: 155.912+/-0.037 χ^2/NDF:690867.1/10

+ sign 144.686+/-0.025 χ^2/NDF: 1521532.1/28

All: 144.952+/-0.018 χ^2/NDF: 3300210.2/58

- sign 145.232+/-0.026 χ^2/NDF: 1778451.8/29

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 169.754+/-74.328 χ^2/NDF:4.7/11

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

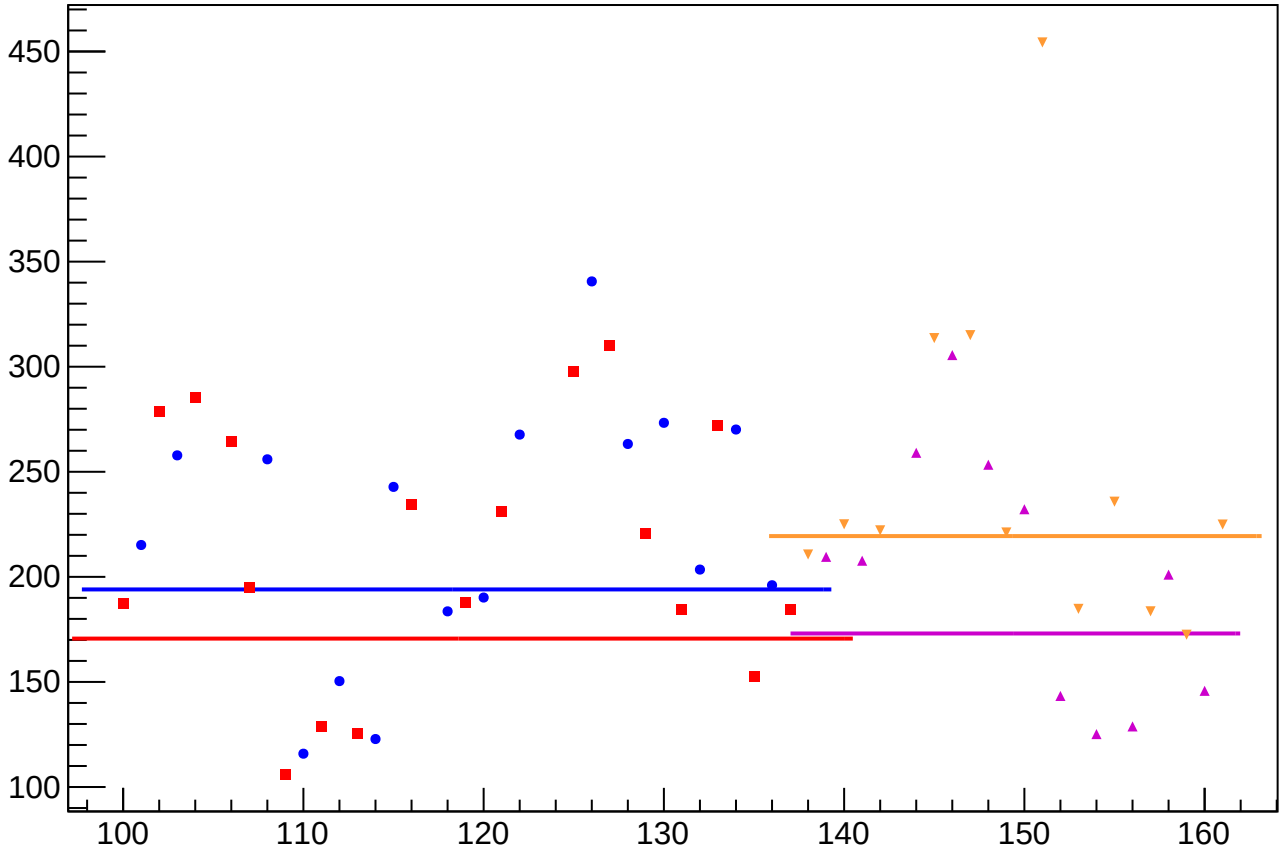
Left In: -143.662+/-60.451 χ^2/NDF:4.5/10

+ sign 64.580+/-53.236 χ^2/NDF: 24.3/27

All: 14.384+/-34.500 χ^2/NDF: 52.3/56

- sign -21.962+/-45.300 χ^2/NDF: 26.5/28

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 219.402+/-0.053 χ^2/NDF:963171.7/11

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

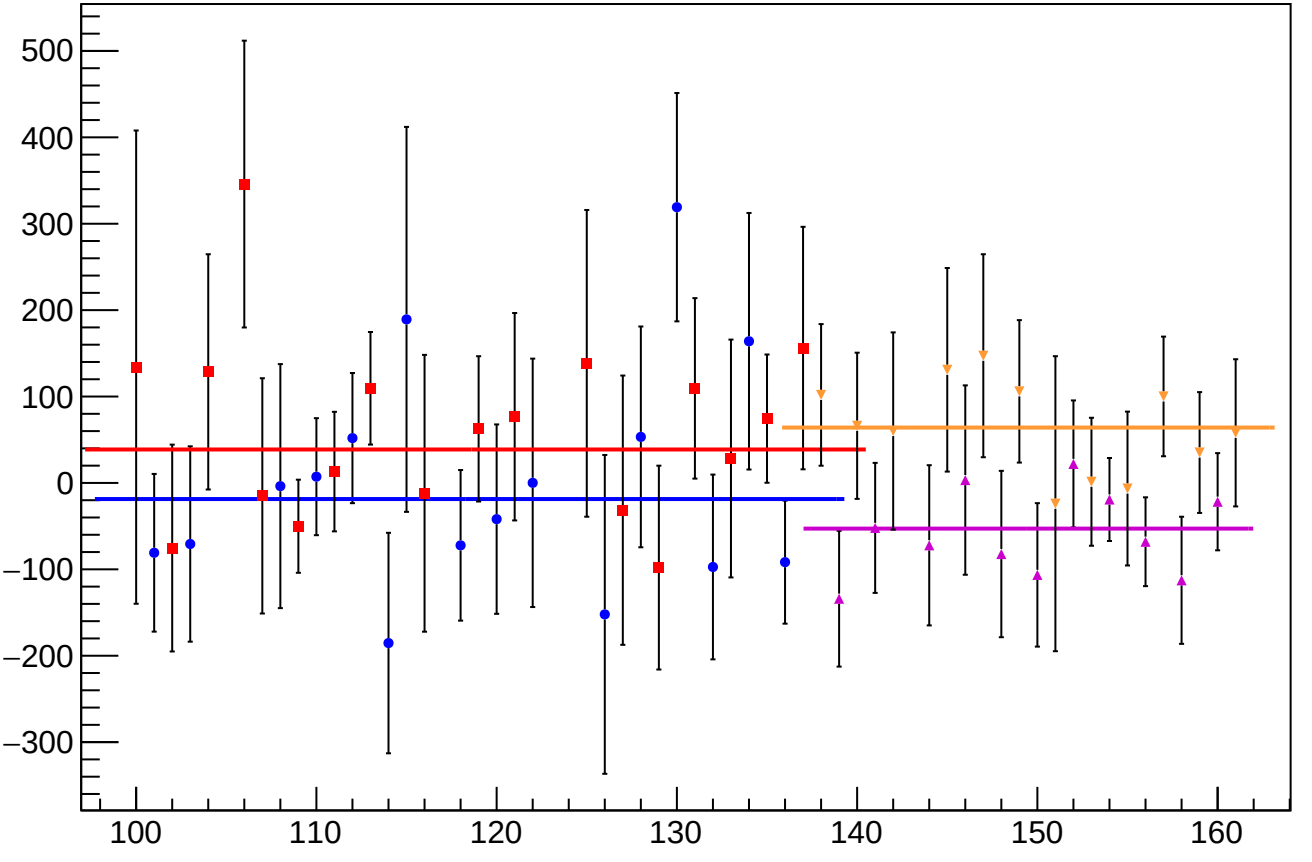
Left In: 173.057+/-0.043 χ^2/NDF:1461711.1/10

+ sign 207.039+/-0.038 χ^2/NDF: 2120377.5/27

All: 186.710+/-0.024 χ^2/NDF: 5680063.4/56

- sign 171.990+/-0.032 χ^2/NDF: 3056867.9/28

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 64.098+/-25.393 χ^2/NDF:3.4/11

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

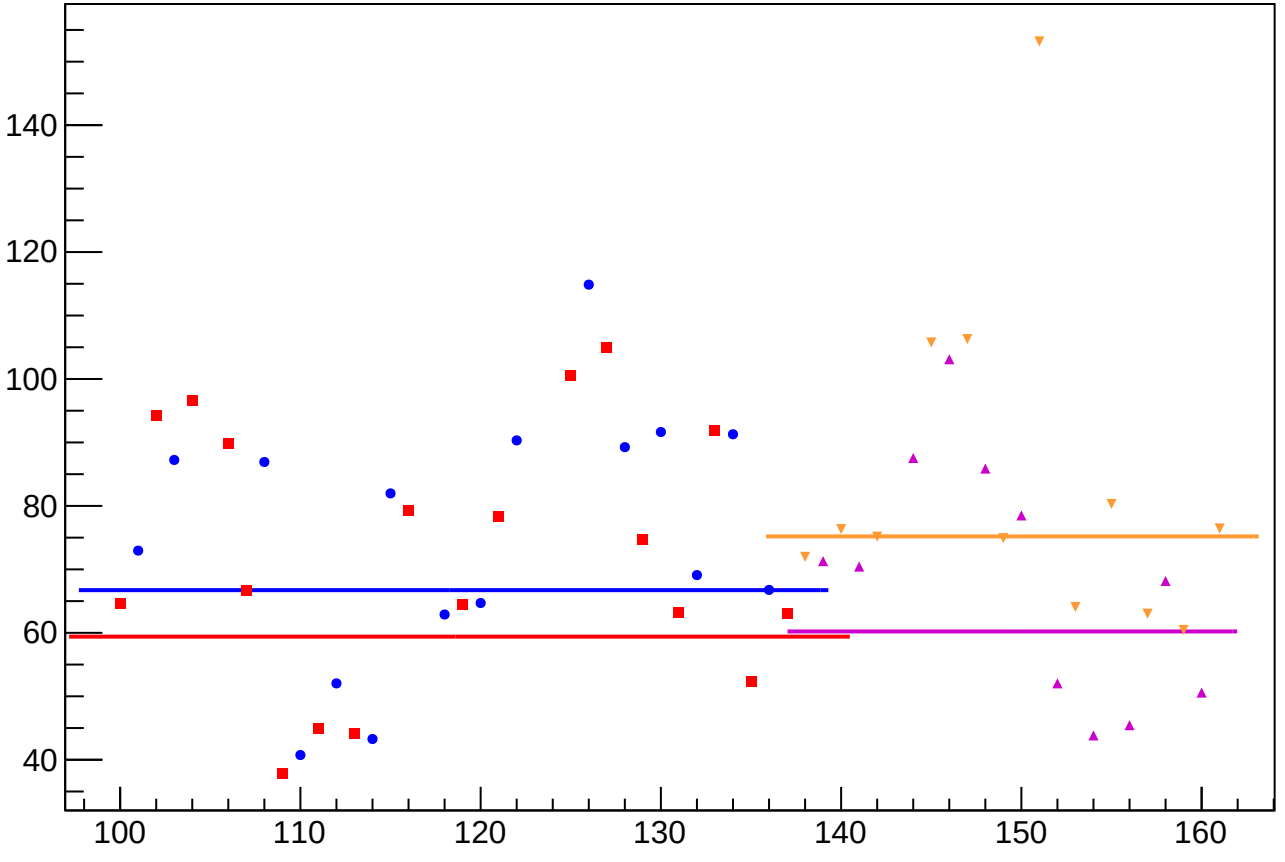
Left In: -52.866+/-20.901 χ^2/NDF:4.5/10

\+ sign 23.897+/-18.208 χ^2/NDF: 23.7/27

All: 2.858+/-11.874 χ^2/NDF: 51.6/56

\- sign -12.709+/-15.662 χ^2/NDF: 25.5/28

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 75.194+/-0.018 χ^2/NDF:898408.8/11

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

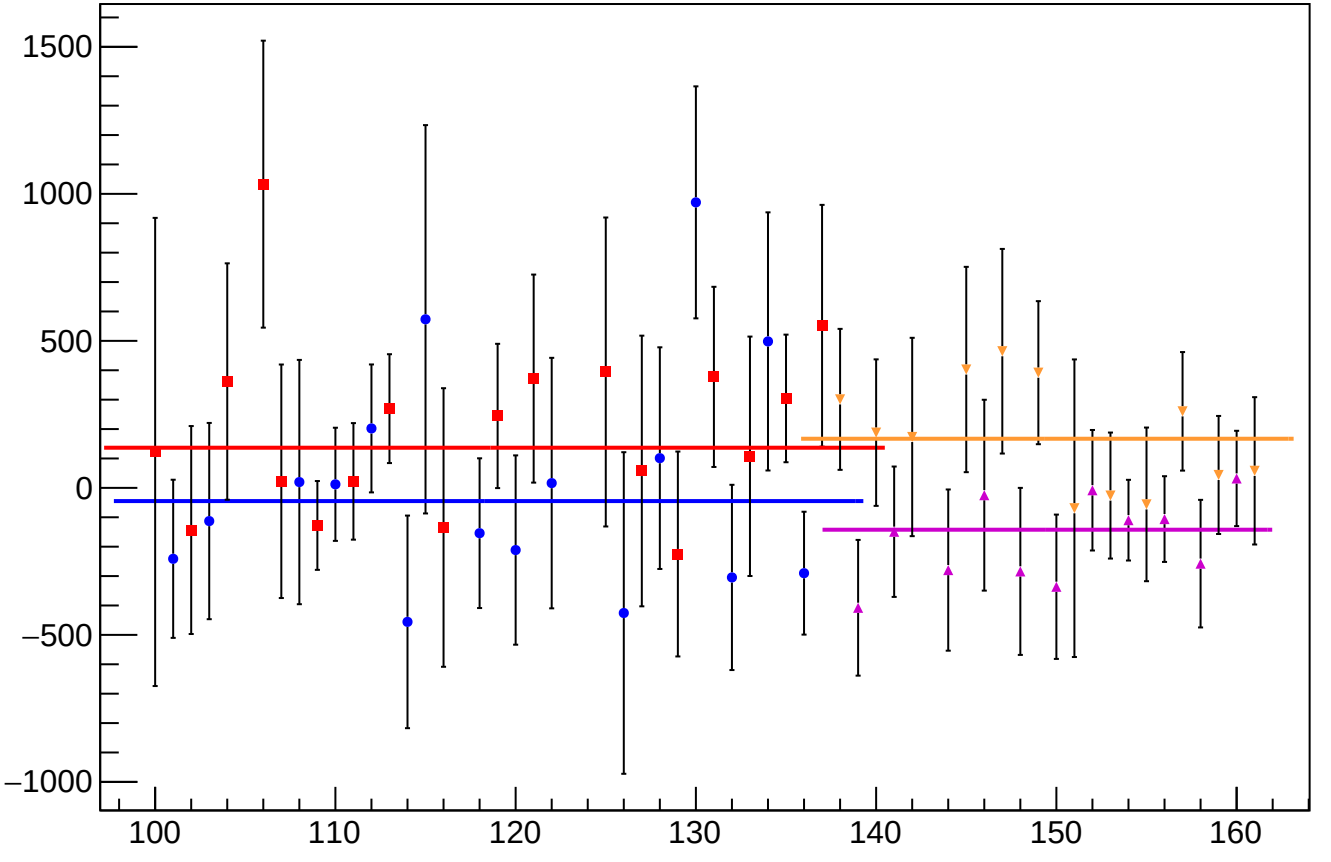
Left In: 60.218+/-0.015 χ^2/NDF:1300510.2/10

+ sign 71.079+/-0.013 χ^2/NDF: 1953554.0/27

All: 64.631+/-0.008 χ^2/NDF: 5137226.8/56

- sign 59.860+/-0.011 χ^2/NDF: 2747222.8/28

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 167.115+/-74.264 χ^2/NDF:4.9/11

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

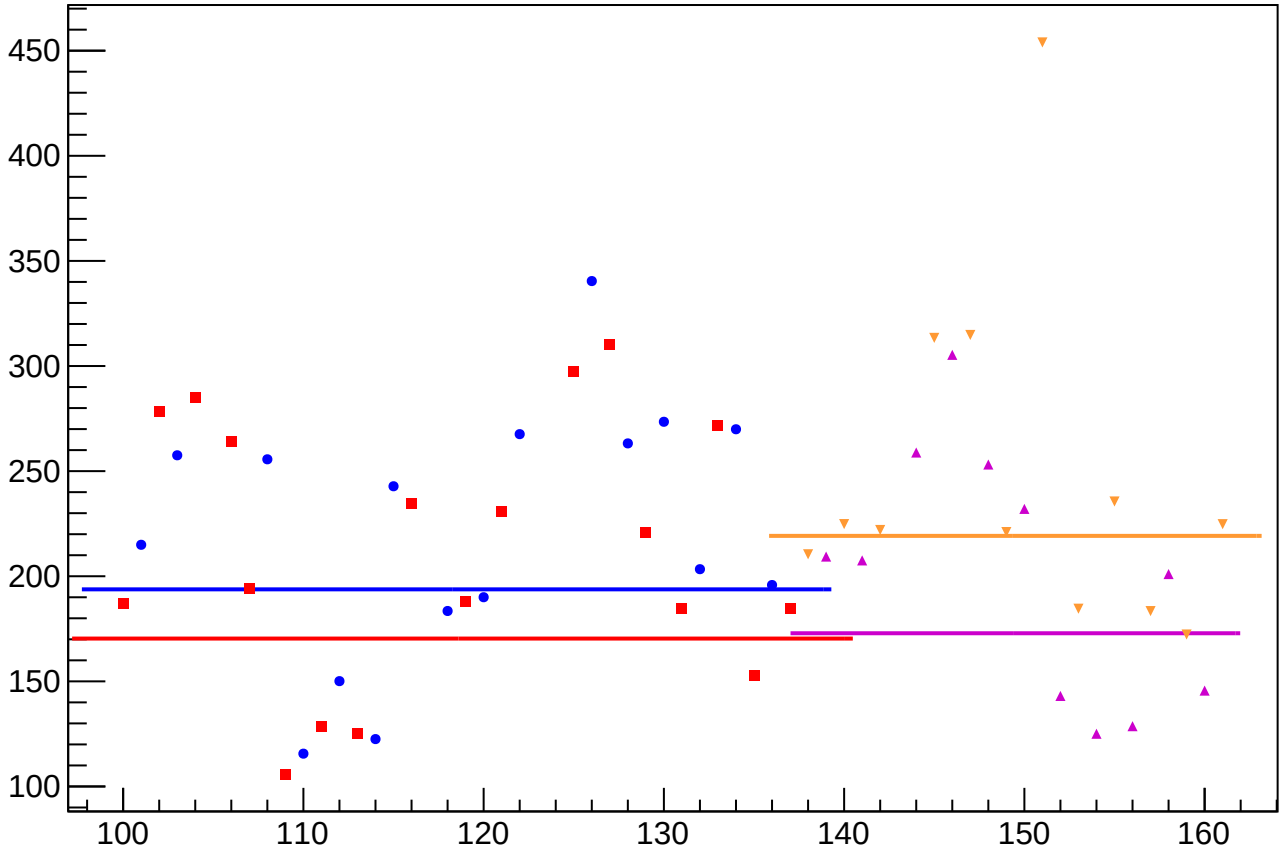
Left In: -142.322+/-60.395 χ^2/NDF:4.6/10

+ sign 63.824+/-53.183 χ^2/NDF: 24.3/27

All: 15.209+/-34.464 χ^2/NDF: 52.6/56

- sign -19.984+/-45.250 χ^2/NDF: 26.8/28

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 219.206+/-0.053 χ^2/NDF:963861.4/11

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

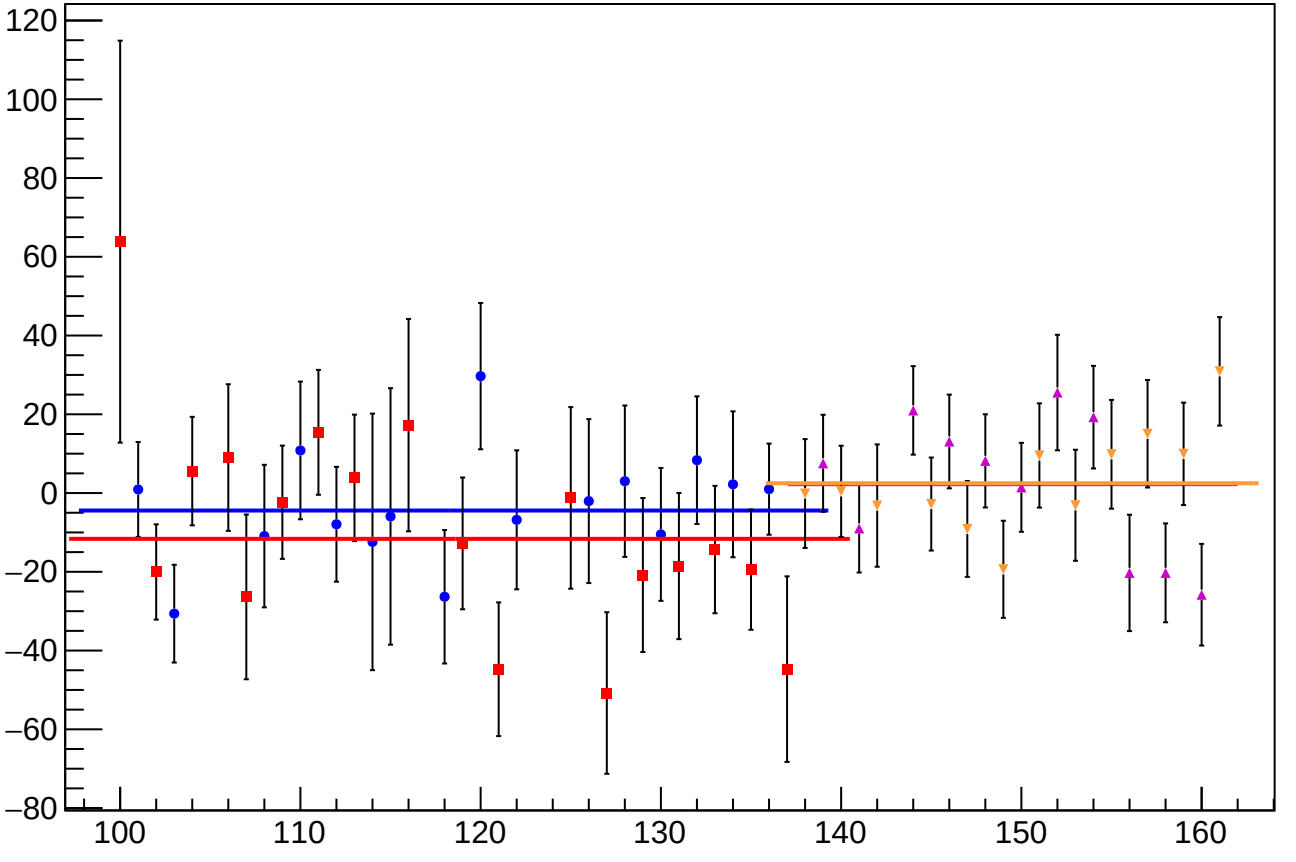
Left In: 172.884+/-0.043 χ^2/NDF:1463649.1/10

+ sign 206.814+/-0.038 χ^2/NDF: 2126275.7/27

All: 186.489+/-0.024 χ^2/NDF: 5694037.1/56

- sign 171.776+/-0.032 χ^2/NDF: 3064209.6/28

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.487+/-3.784 χ^2/NDF:10.6/11

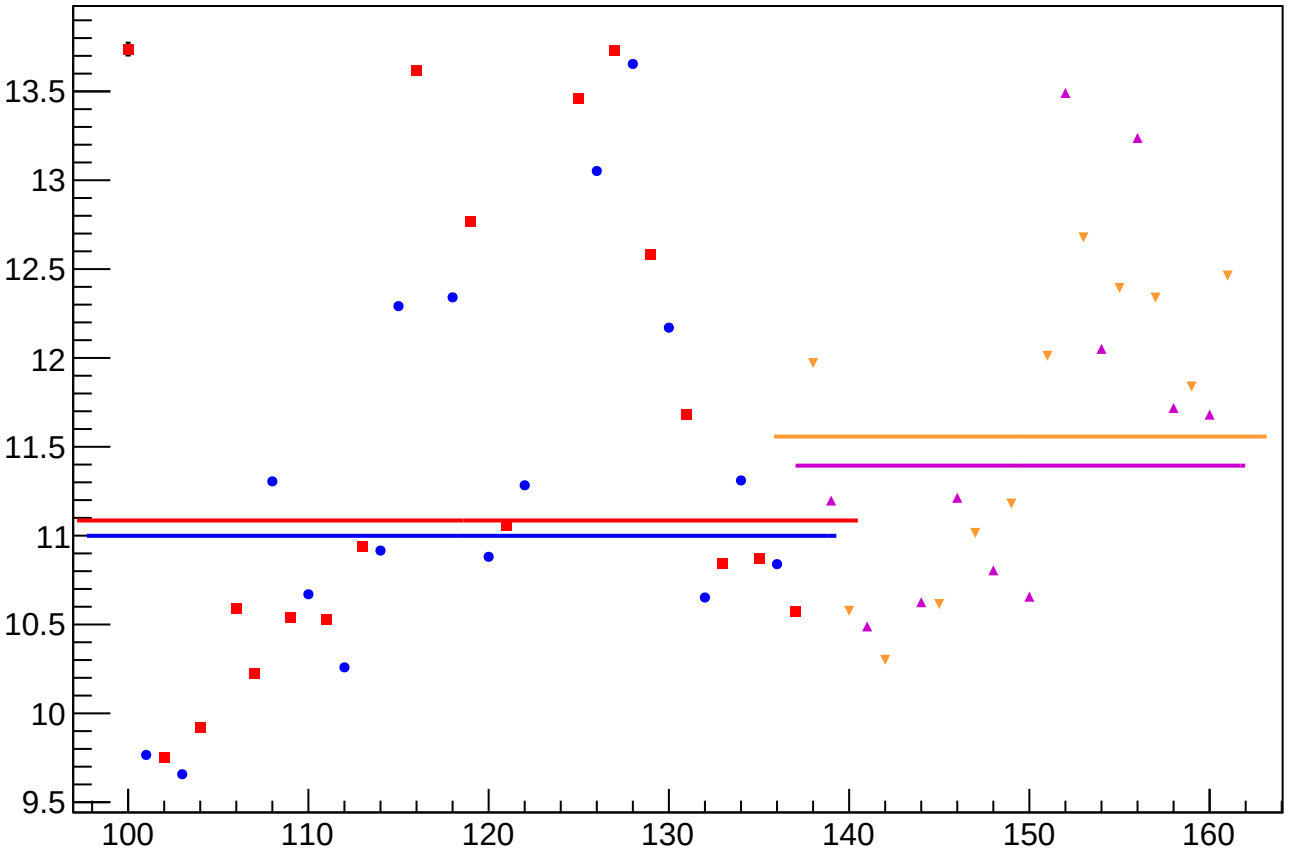
Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: 2.256+/-3.727 χ^2/NDF:19.5/10

+ sign -0.673+/-2.790 χ^2/NDF: 24.1/27

All: -2.331+/-1.965 χ^2/NDF: 72.2/56

- sign -3.964+/-2.769 χ^2/NDF: 47.4/28



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.558+/-0.003 χ^2/NDF:86263.1/11

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

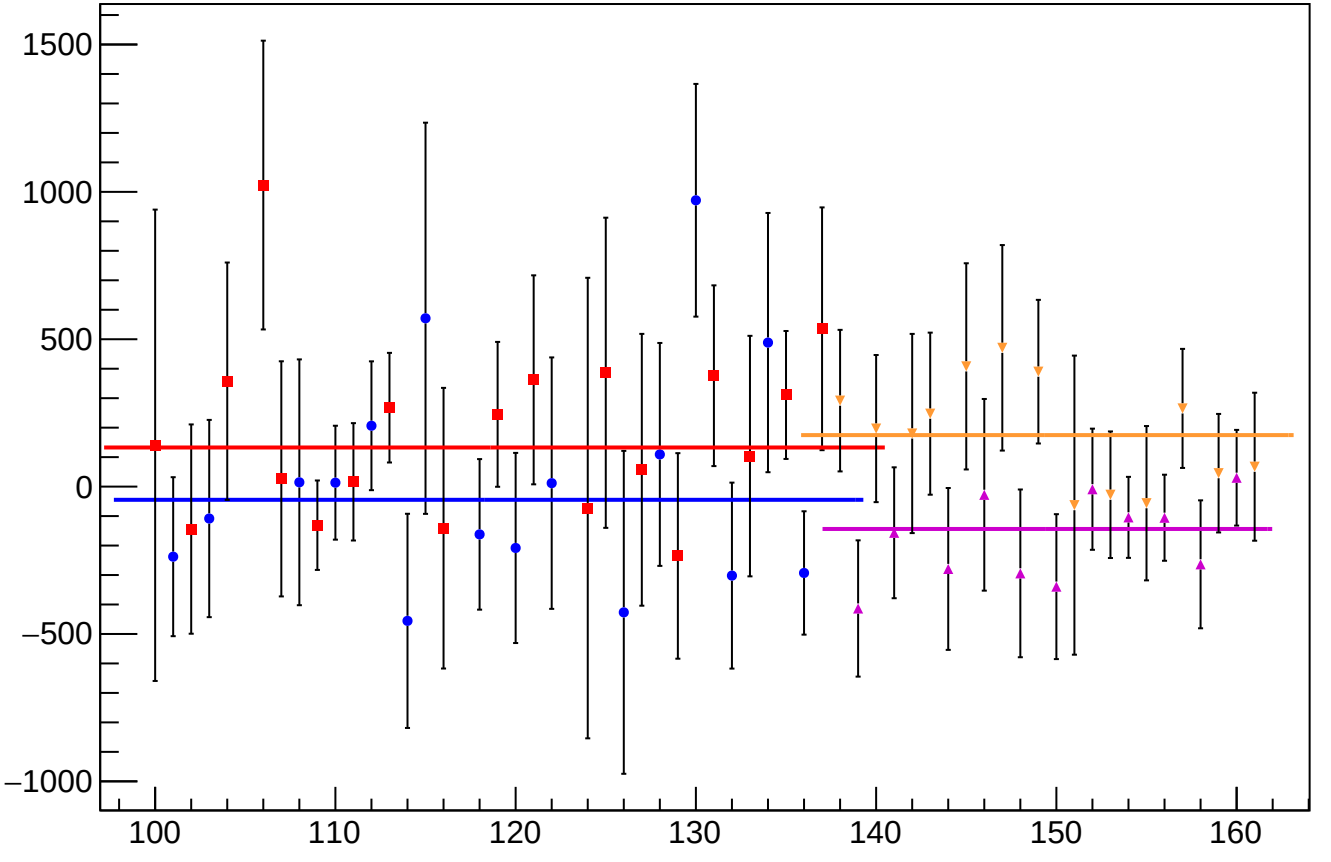
Left In: 11.394+/-0.003 χ^2/NDF:116307.6/10

+ sign 11.303+/-0.002 χ^2/NDF: 242309.1/27

All: 11.279+/-0.001 χ^2/NDF: 527255.0/56

- sign 11.256+/-0.002 χ^2/NDF: 284658.5/28

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 174.749+/-71.816 χ^2/NDF:4.9/12

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

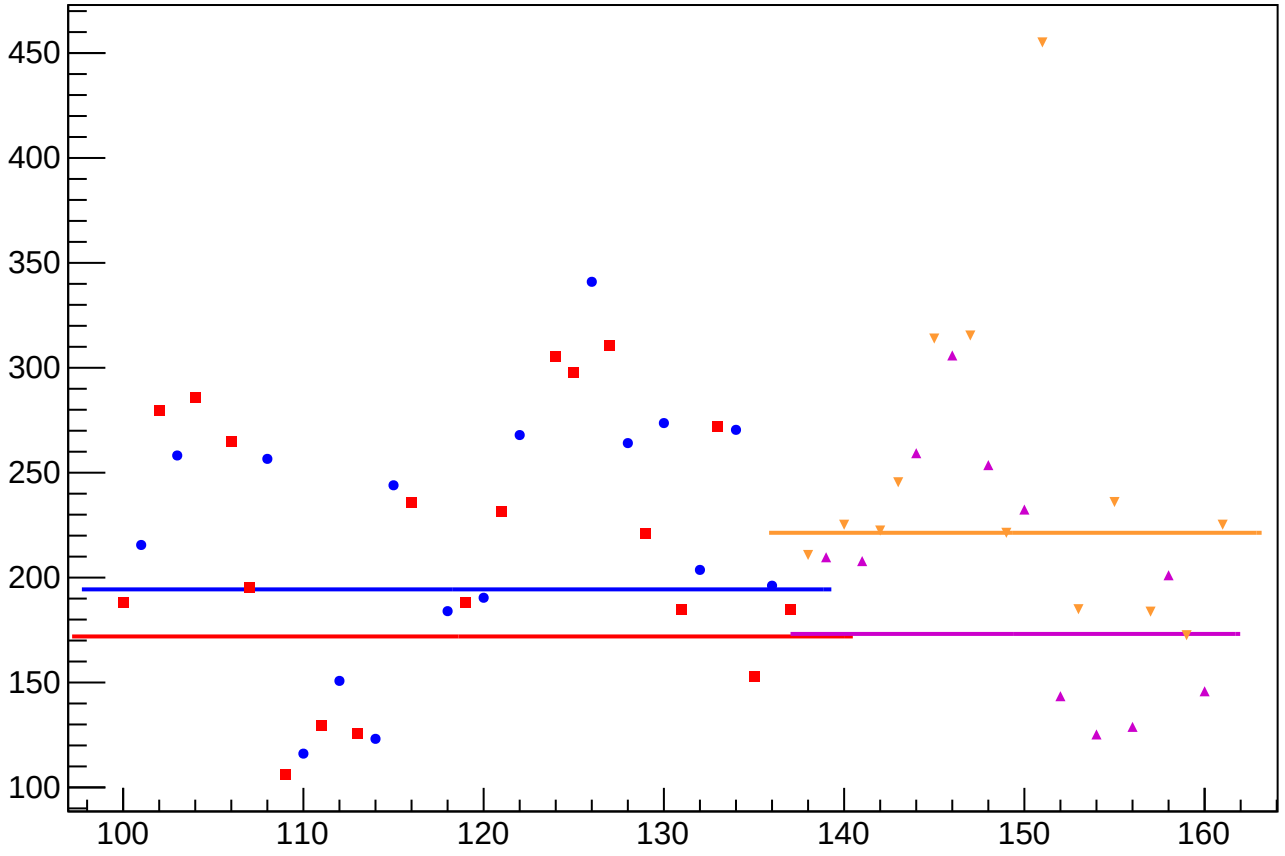
Left In: -143.717+/-60.490 χ^2/NDF:4.7/10

+ sign 71.794+/-52.335 χ^2/NDF: 24.8/28

All: 18.070+/-34.240 χ^2/NDF: 53.3/58

- sign -22.136+/-45.275 χ^2/NDF: 26.7/29

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 221.358+/-0.051 χ^2/NDF:981058.0/12

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

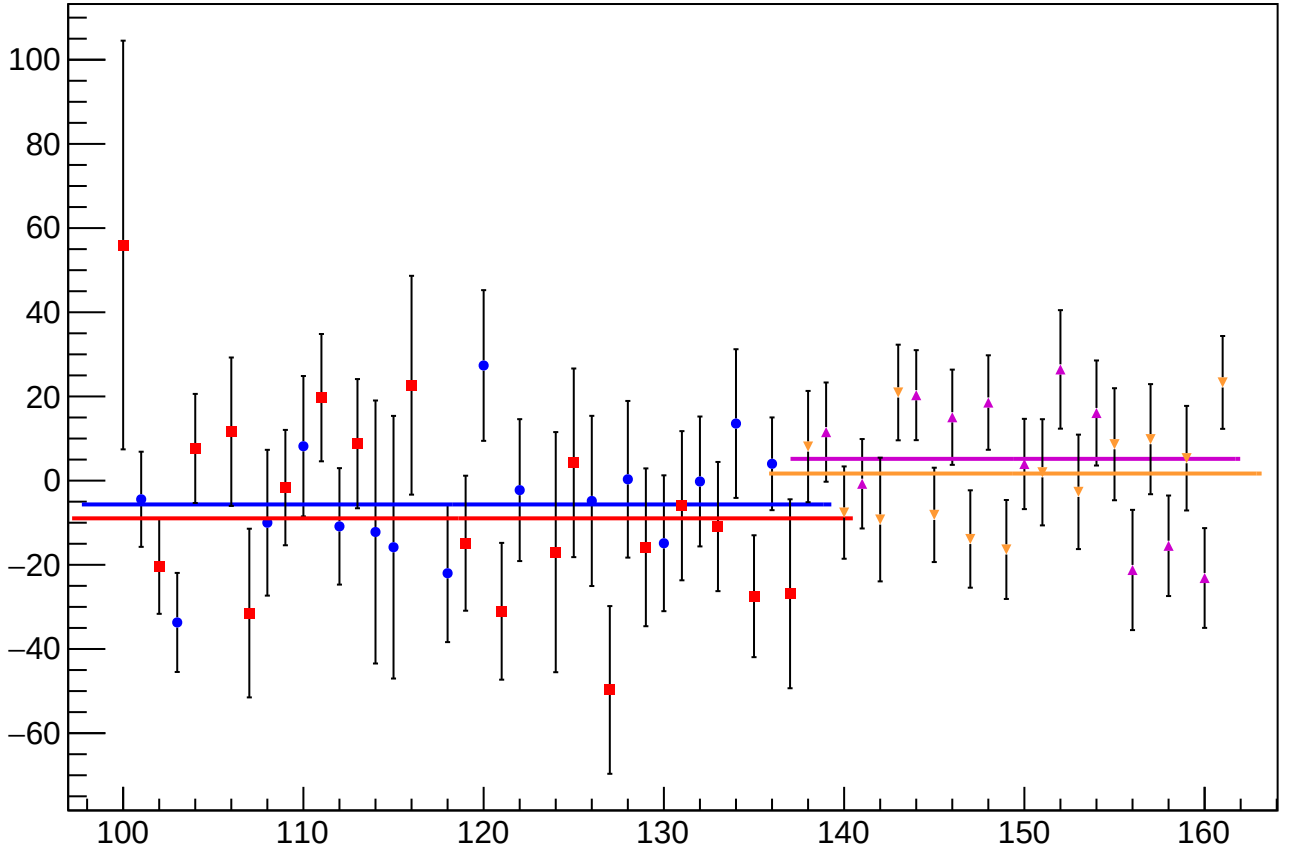
Left In: 173.154+/-0.043 χ^2/NDF:1463686.9/10

+ sign 208.709+/-0.037 χ^2/NDF: 2155380.4/28

All: 188.070+/-0.024 χ^2/NDF: 5814593.4/58

- sign 172.624+/-0.032 χ^2/NDF: 3115379.8/29

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.686+/-3.391 χ^2/NDF:14.0/12

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

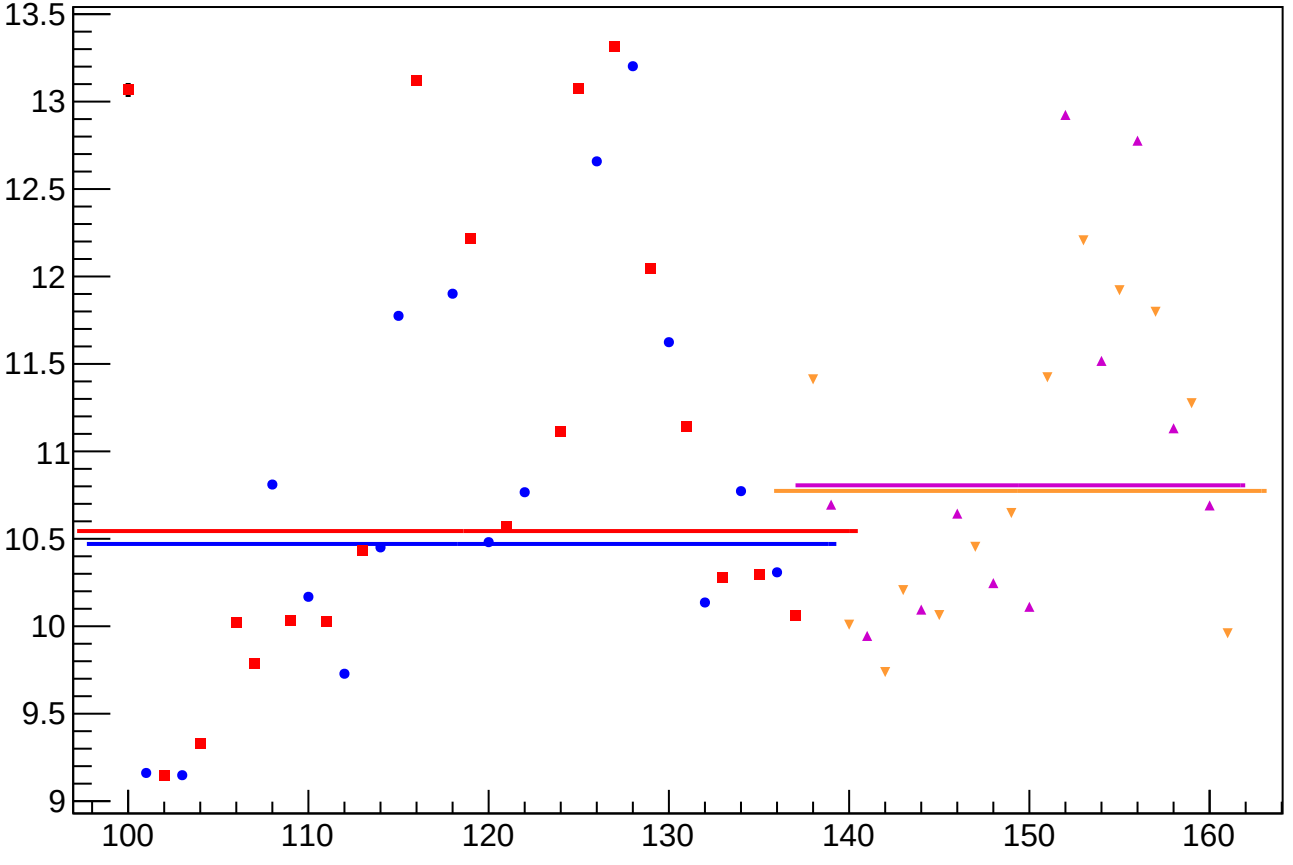
Left In: 5.174+/-3.541 χ^2/NDF:20.0/10

+ sign -1.440+/-2.570 χ^2/NDF: 29.7/28

All: -1.328+/-1.835 χ^2/NDF: 79.6/58

- sign -1.212+/-2.622 χ^2/NDF: 49.9/29

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.774+/-0.002 χ^2/NDF:107901.7/12

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

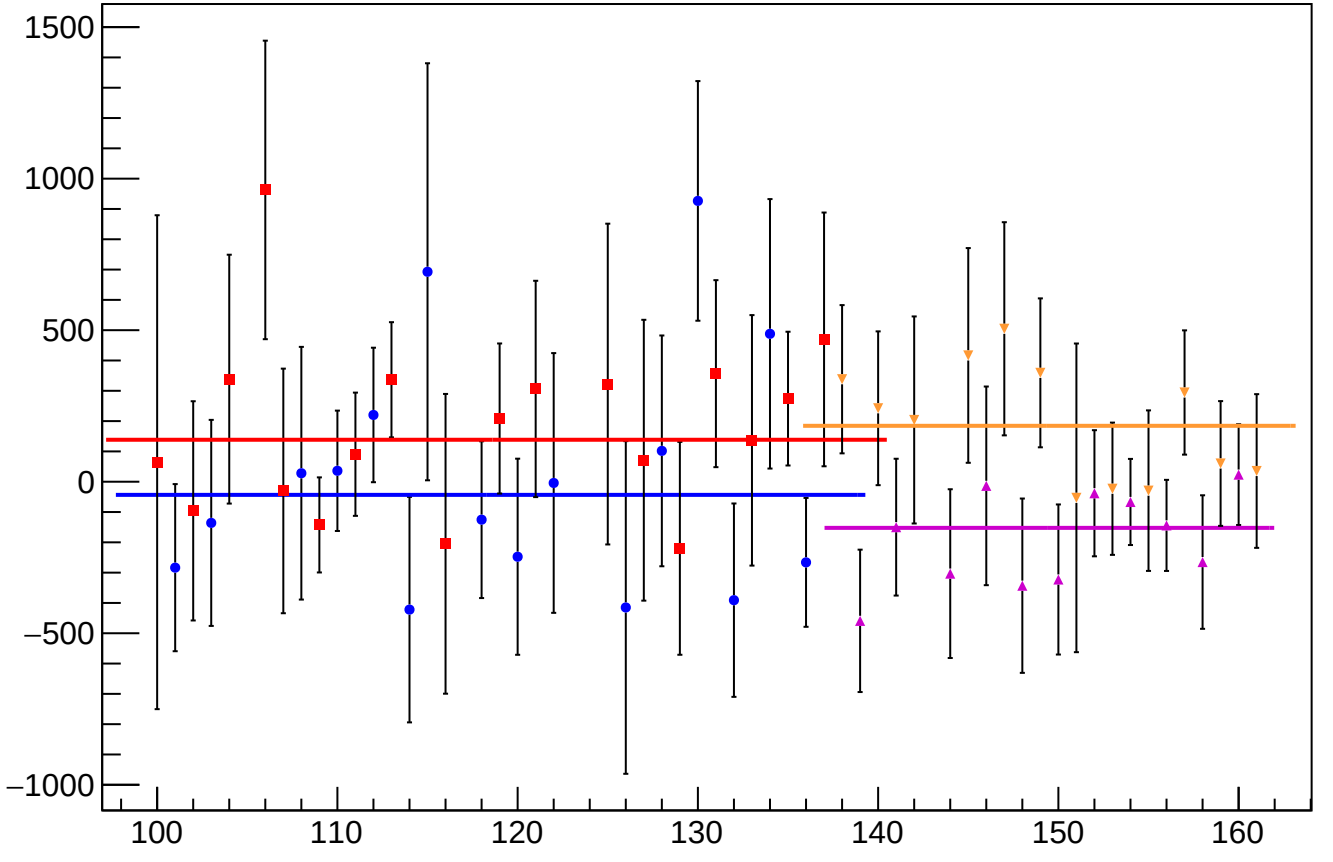
Left In: 10.806+/-0.003 χ^2/NDF:127415.1/10

+ sign 10.645+/-0.002 χ^2/NDF: 272077.7/28

All: 10.666+/-0.001 χ^2/NDF: 591475.1/58

- sign 10.688+/-0.002 χ^2/NDF: 319123.9/29

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 184.479+/-75.485 χ^2/NDF:5.0/11

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

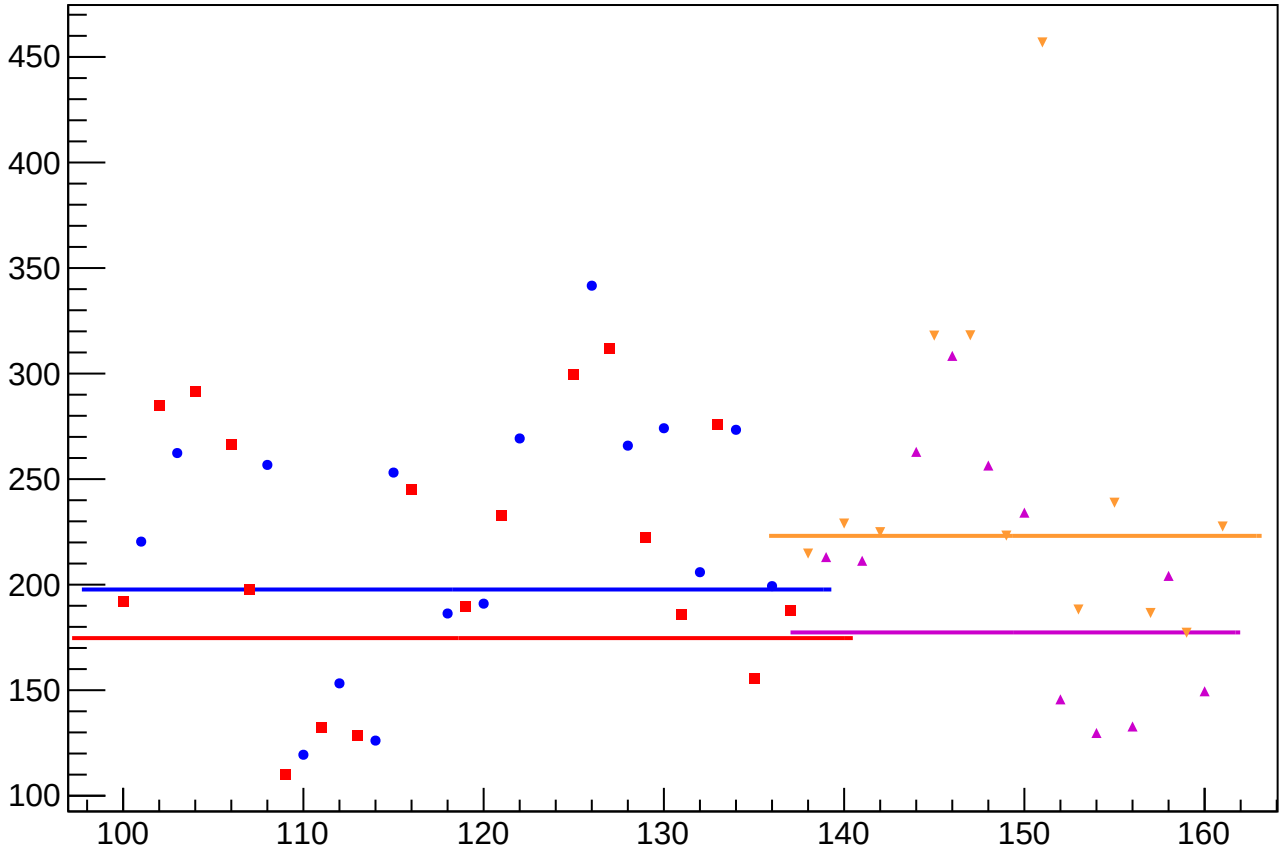
Left In: -152.262+/-61.779 χ^2/NDF:5.1/10

+ sign 73.672+/-54.103 χ^2/NDF: 24.9/27

All: 16.898+/-35.164 χ^2/NDF: 53.1/56

- sign -24.629+/-46.271 χ^2/NDF: 26.3/28

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 223.118+/-0.053 χ^2/NDF:936065.3/11

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

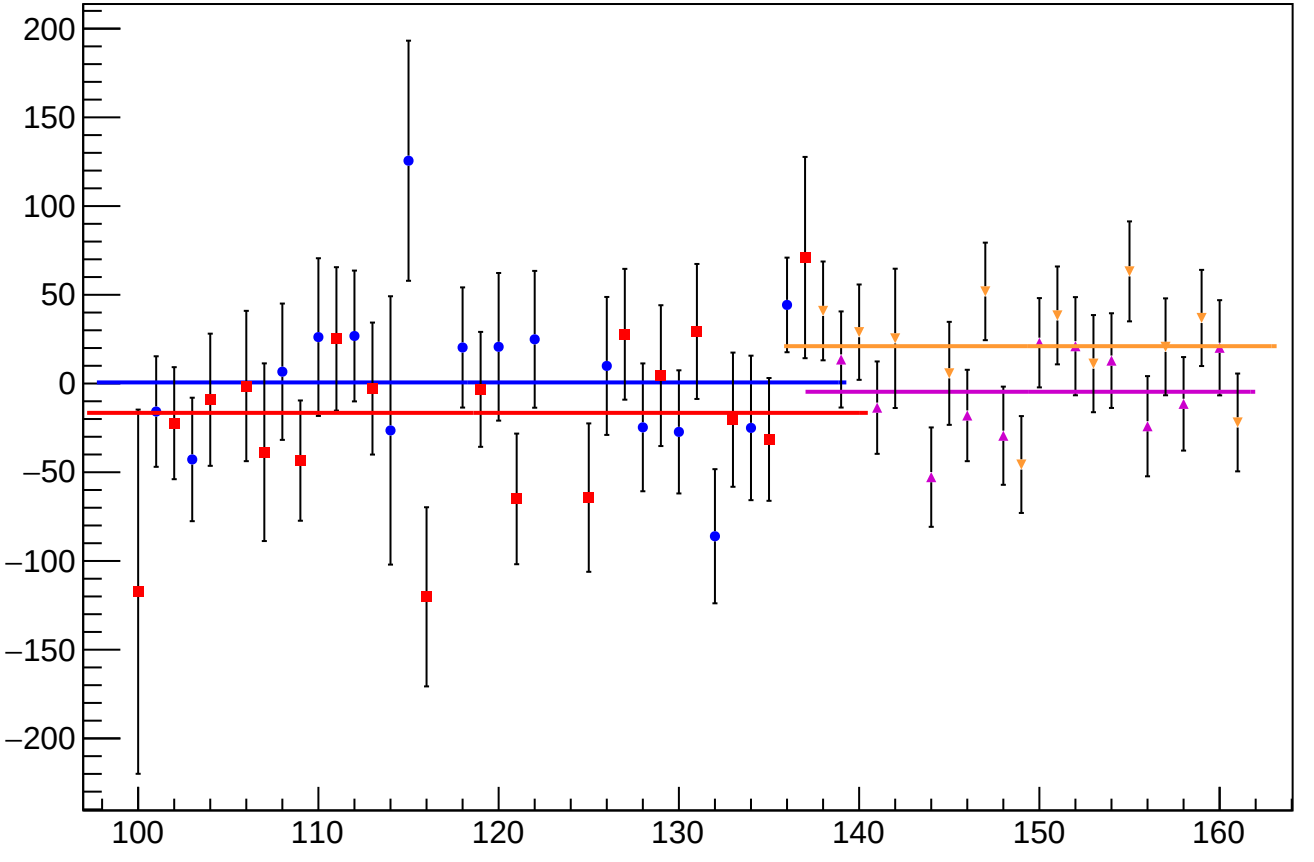
Left In: 177.368+/-0.044 χ^2/NDF:1388820.8/10

+ sign 210.761+/-0.038 χ^2/NDF: 2046607.4/27

All: 190.793+/-0.025 χ^2/NDF: 5443556.8/56

- sign 176.187+/-0.033 χ^2/NDF: 2925235.6/28

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 21.046+/-8.136 χ^2/NDF:13.7/11

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

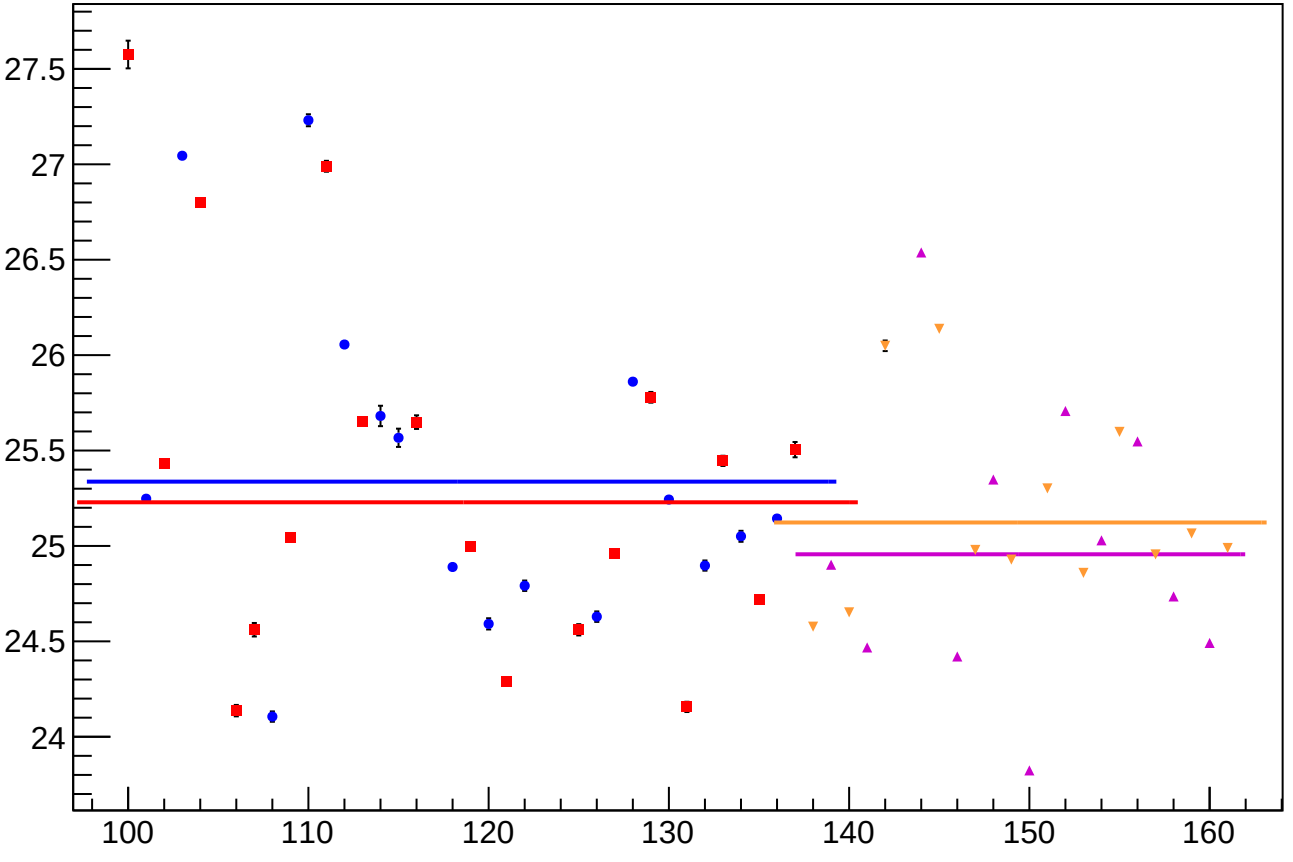
Left In: -4.651+/-8.084 χ^2/NDF:8.5/10

+ sign 12.320+/-6.158 χ^2/NDF: 33.1/27

All: 1.181+/-4.335 χ^2/NDF: 65.4/56

- sign -9.761+/-6.103 χ^2/NDF: 25.8/28

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.123+/-0.006 χ^2/NDF:6068.0/11

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

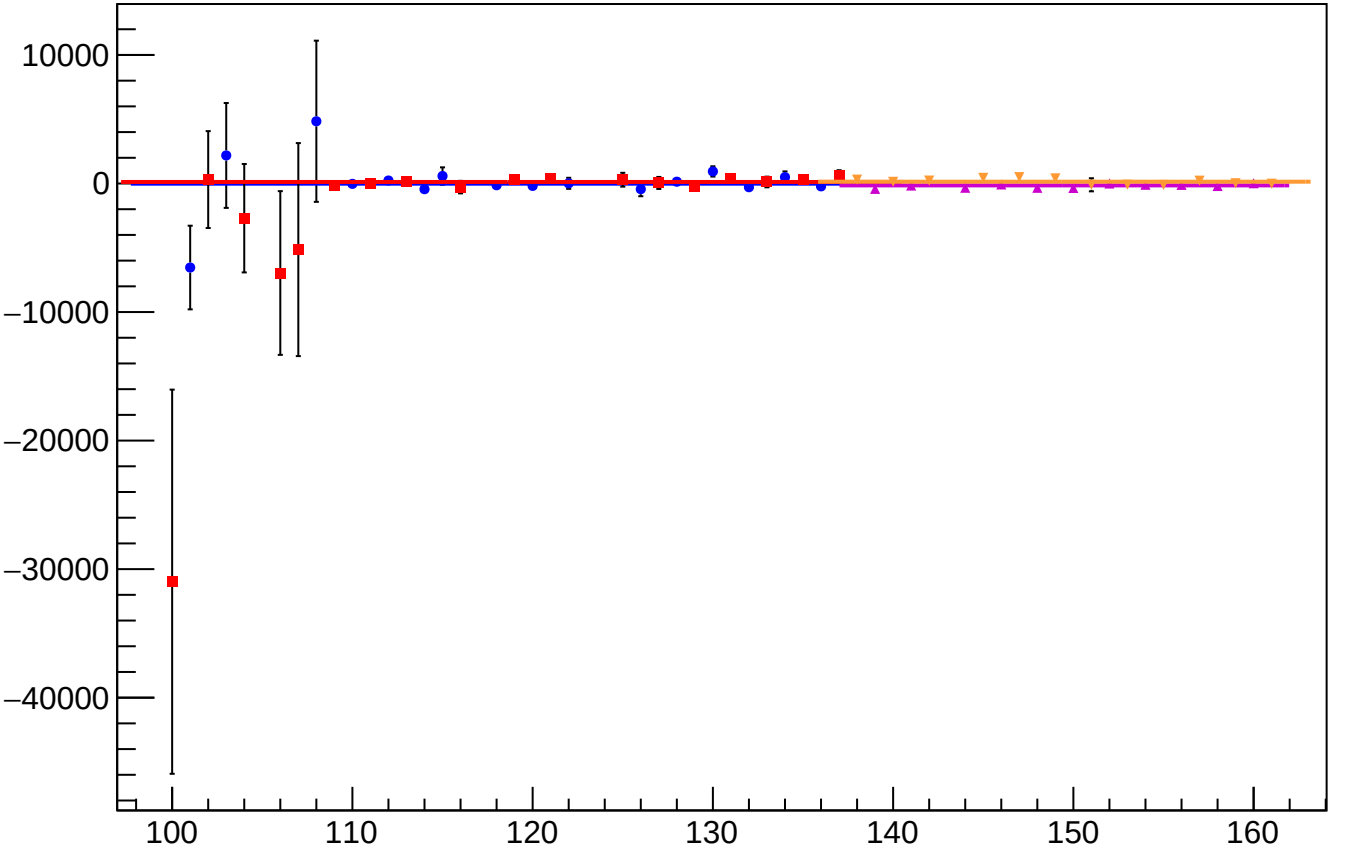
Left In: 24.956+/-0.006 χ^2/NDF:15515.7/10

+ sign 25.214+/-0.004 χ^2/NDF: 20974.5/27

All: 25.143+/-0.003 χ^2/NDF: 53171.8/56

- sign 25.073+/-0.004 χ^2/NDF: 31669.0/28

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 139.763+/-76.744 χ^2/NDF:6.2/11

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

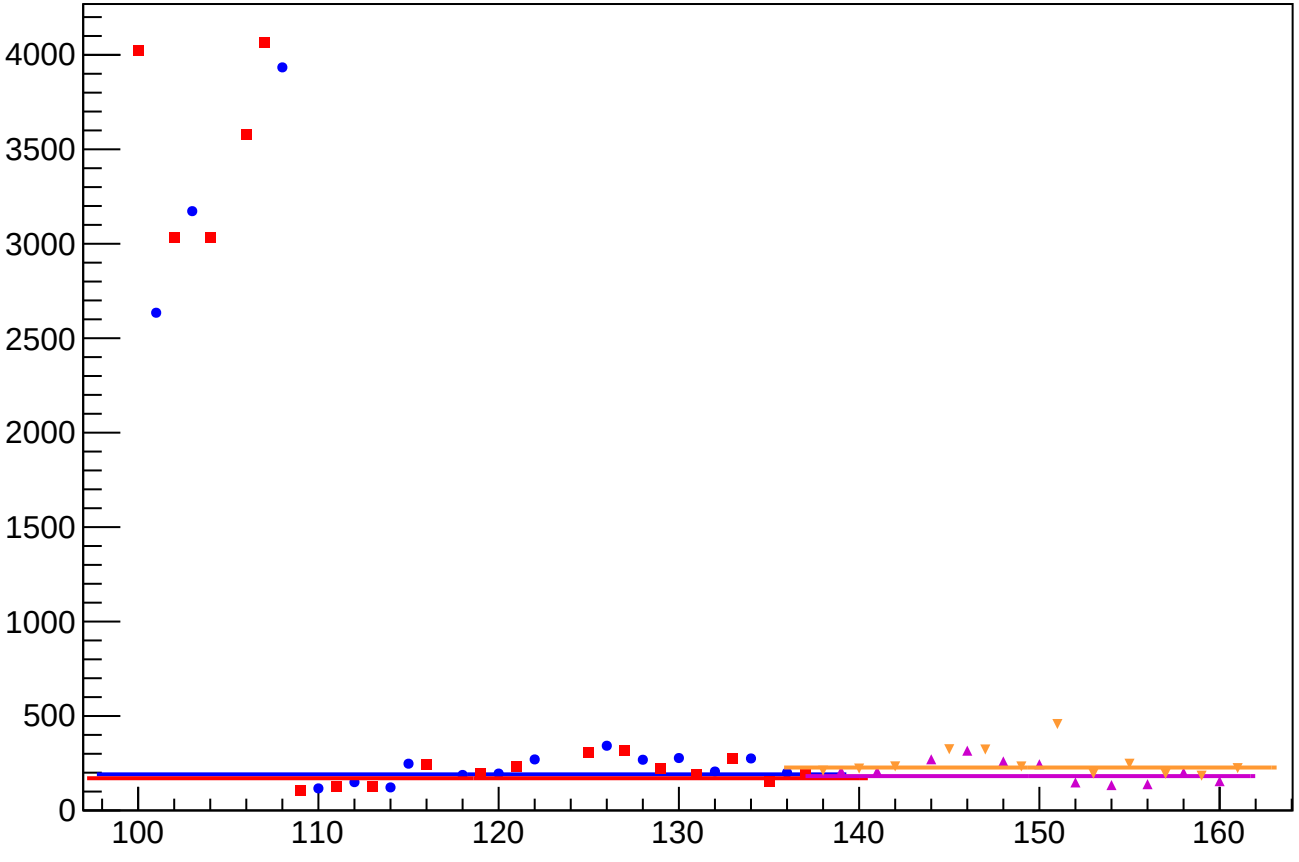
Left In: -146.976+/-63.126 χ^2/NDF:4.5/10

+ sign 70.600+/-56.797 χ^2/NDF: 26.3/27

All: 6.350+/-37.158 χ^2/NDF: 54.5/56

- sign -41.727+/-49.131 χ^2/NDF: 25.9/28

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 227.293+/-0.054 χ^2/NDF:894746.1/11

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

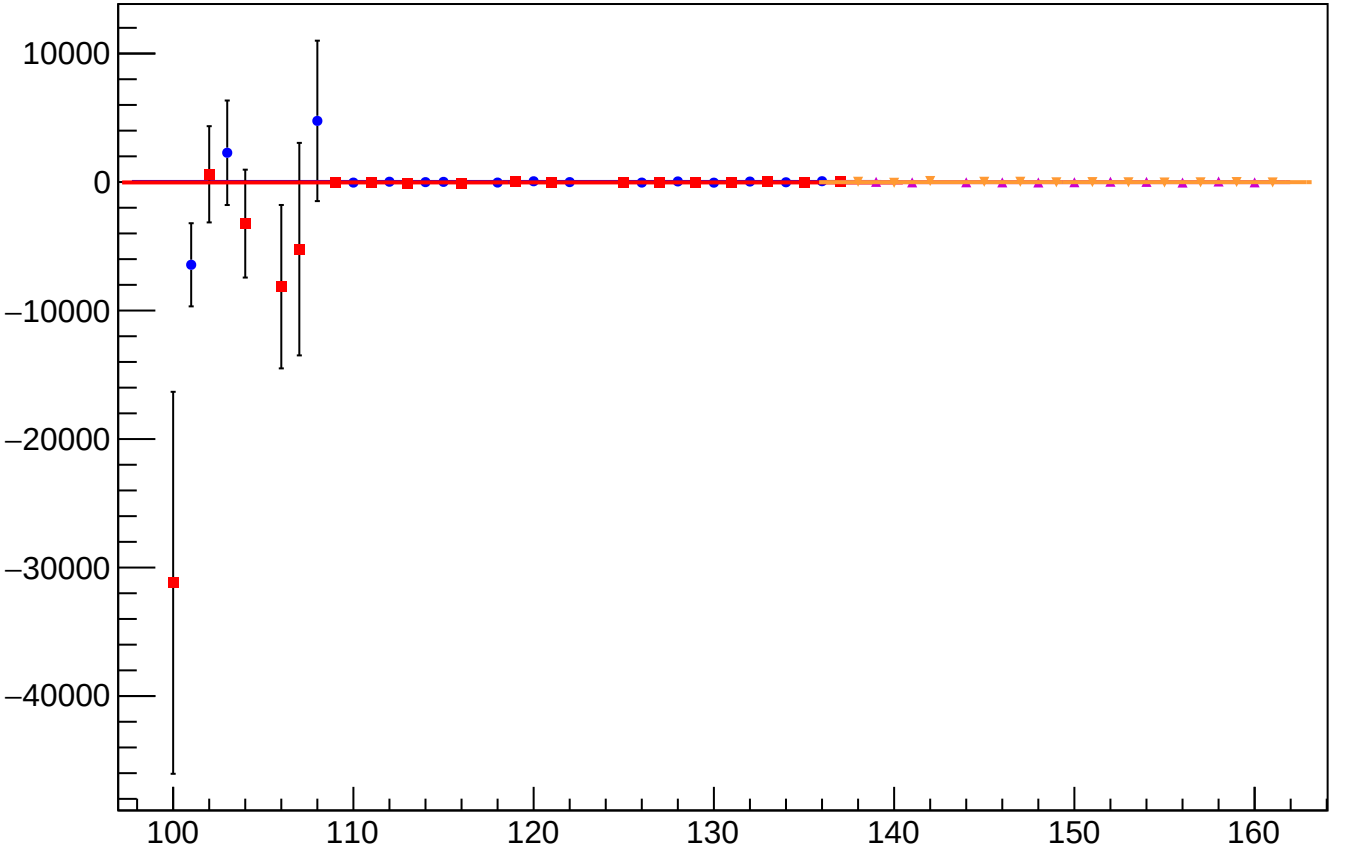
Left In: 181.830+/-0.045 χ^2/NDF:1295531.2/10

+ sign 210.910+/-0.040 χ^2/NDF: 4930216.1/27

All: 191.720+/-0.026 χ^2/NDF: 10905152.4/56

- sign 177.361+/-0.035 χ^2/NDF: 5575780.3/28

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.442+/-9.563 χ^2/NDF:10.3/11

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

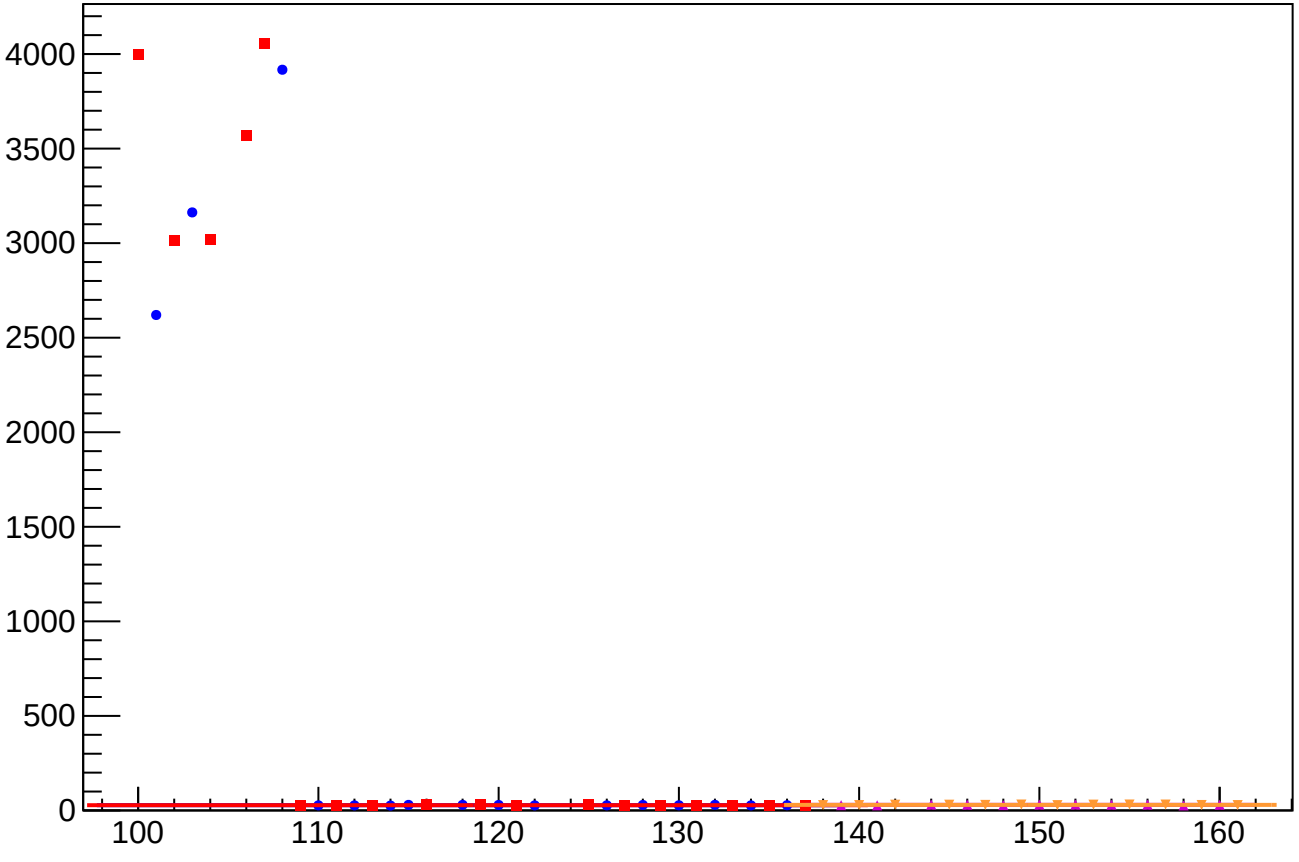
Left In: -5.387+/-9.626 χ^2/NDF:7.5/10

+ sign -3.103+/-7.420 χ^2/NDF: 29.7/27

All: -9.078+/-5.285 χ^2/NDF: 61.0/56

- sign -15.230+/-7.529 χ^2/NDF: 30.0/28

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.478+/-0.007 χ^2/NDF:33428.1/11

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

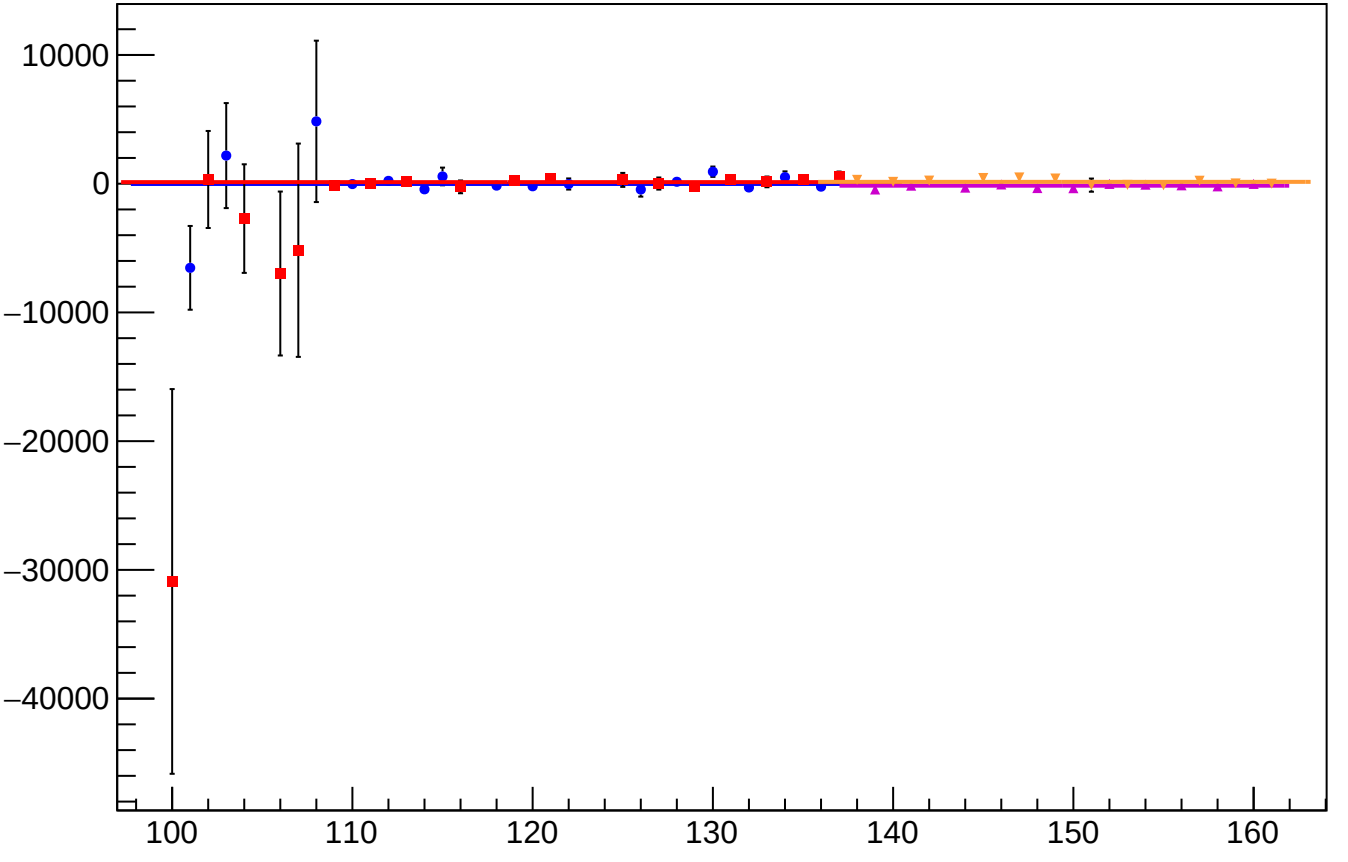
Left In: 29.639+/-0.007 χ^2/NDF:68751.9/10

+ sign 28.820+/-0.005 χ^2/NDF: 3323106.2/27

All: 28.868+/-0.004 χ^2/NDF: 6979438.3/56

- sign 28.917+/-0.005 χ^2/NDF: 3656165.9/28

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 143.024+/-77.312 χ^2/NDF:6.1/11

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

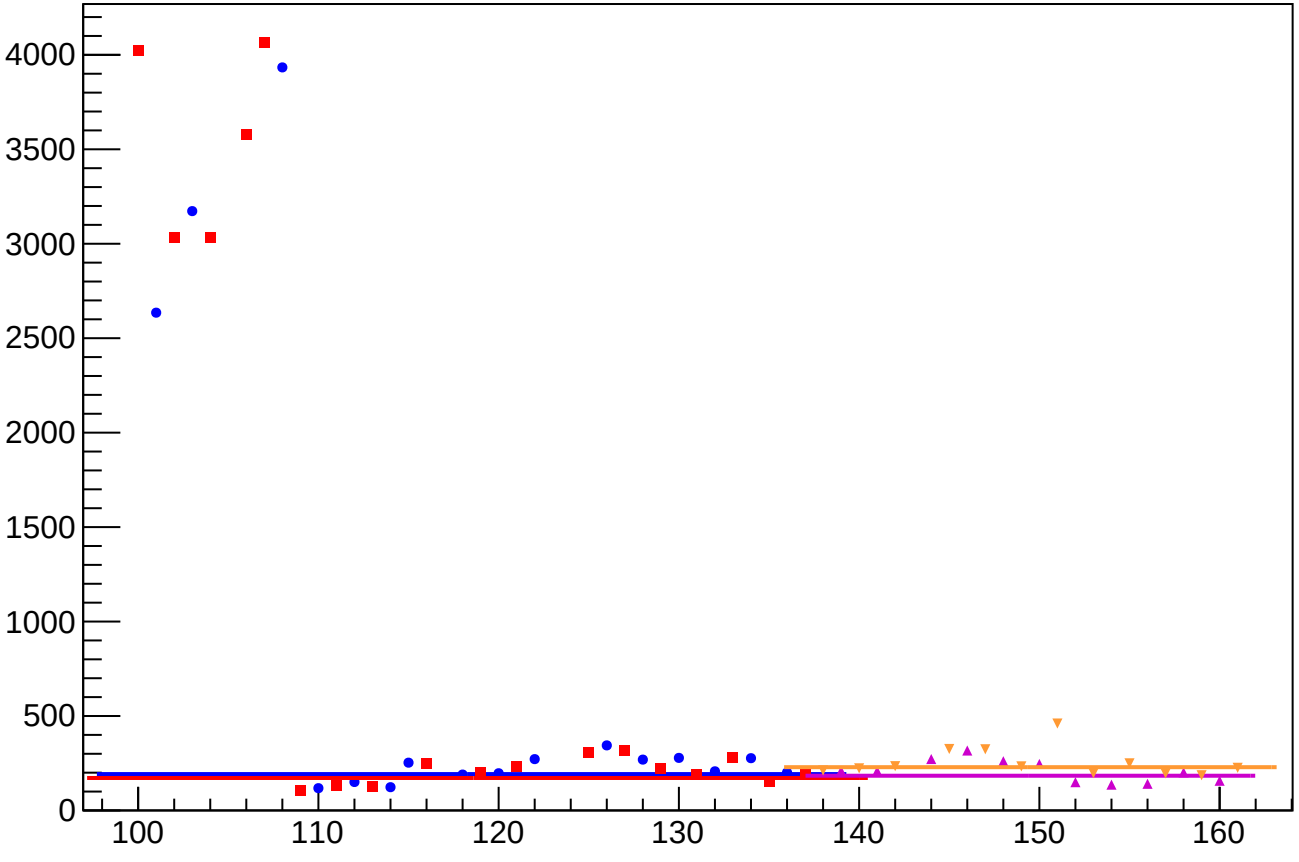
Left In: -153.905+/-63.741 χ^2/NDF:4.3/10

+ sign 69.492+/-57.212 χ^2/NDF: 26.3/27

All: 4.073+/-37.463 χ^2/NDF: 53.6/56

- sign -45.033+/-49.568 χ^2/NDF: 25.0/28

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 229.108+/-0.055 χ^2/NDF:881005.8/11

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

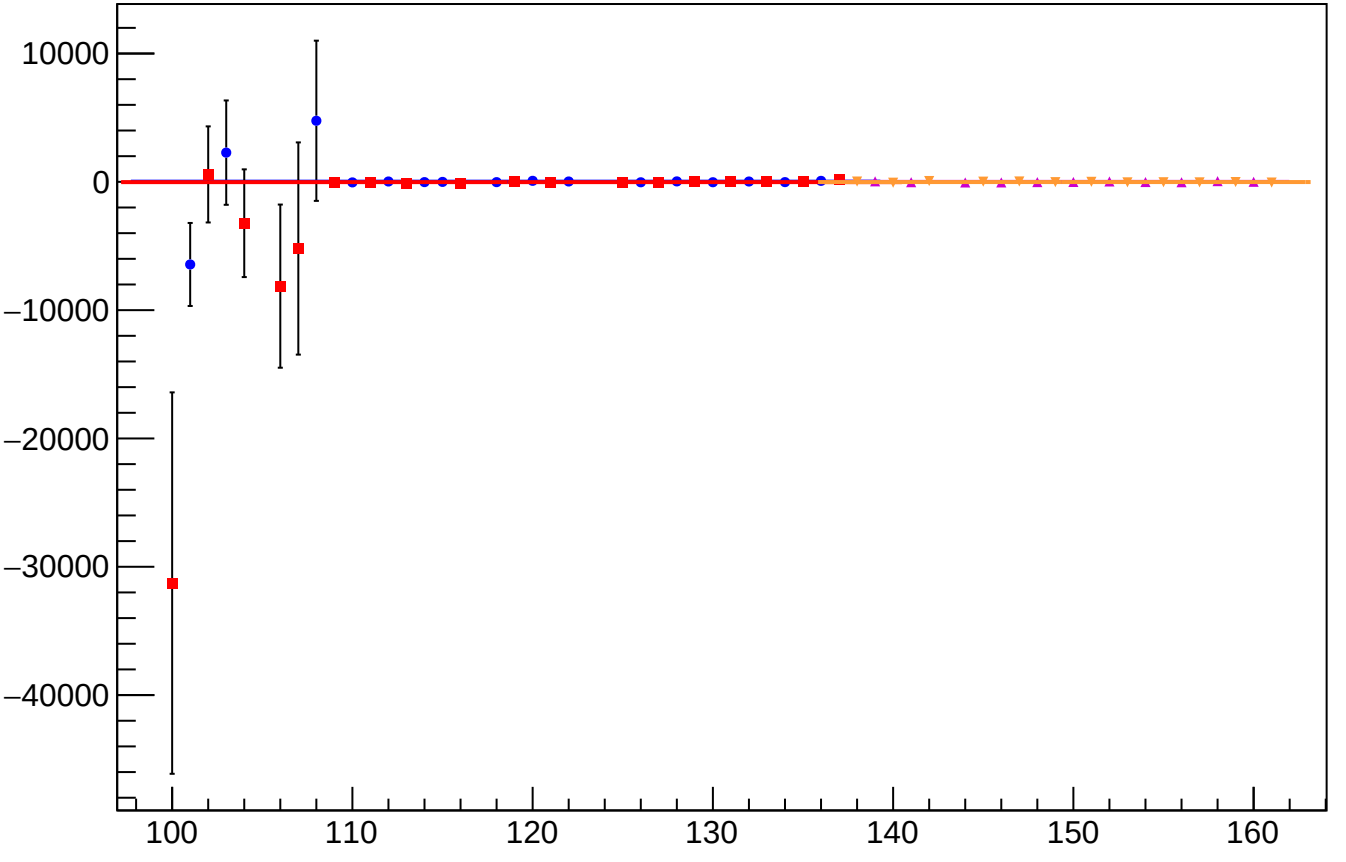
Left In: 183.841+/-0.045 χ^2/NDF:1257023.0/10

+ sign 212.575+/-0.040 χ^2/NDF: 4905983.0/27

All: 193.465+/-0.026 χ^2/NDF: 10829164.3/56

- sign 179.121+/-0.035 χ^2/NDF: 5532573.2/28

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -16.317+/-10.223 χ^2/NDF:11.2/11

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

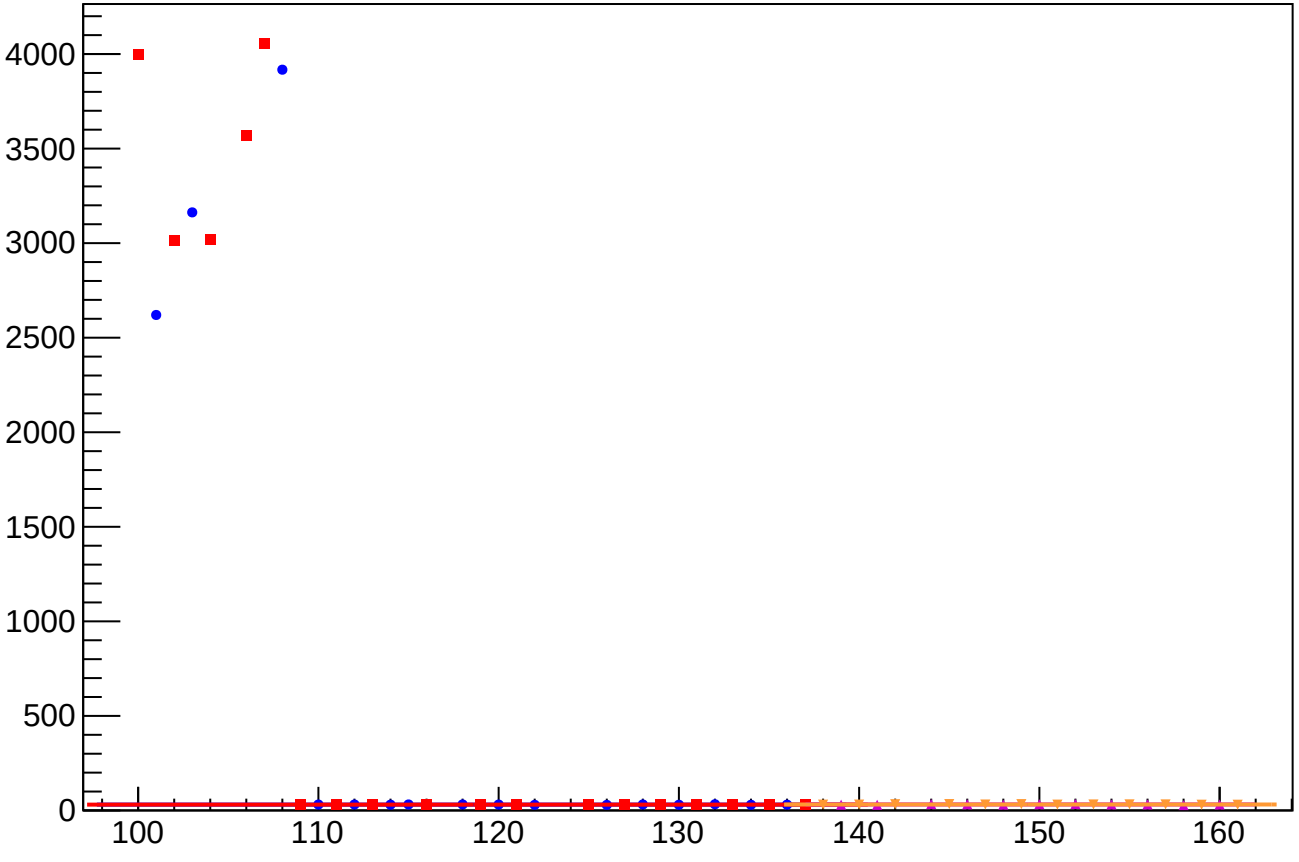
Left In: -3.719+/-10.297 χ^2/NDF:10.7/10

+ sign -4.910+/-8.050 χ^2/NDF: 30.0/27

All: -7.658+/-5.731 χ^2/NDF: 70.5/56

- sign -10.482+/-8.161 χ^2/NDF: 40.2/28

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.532+/-0.007 χ^2/NDF:22652.1/11

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

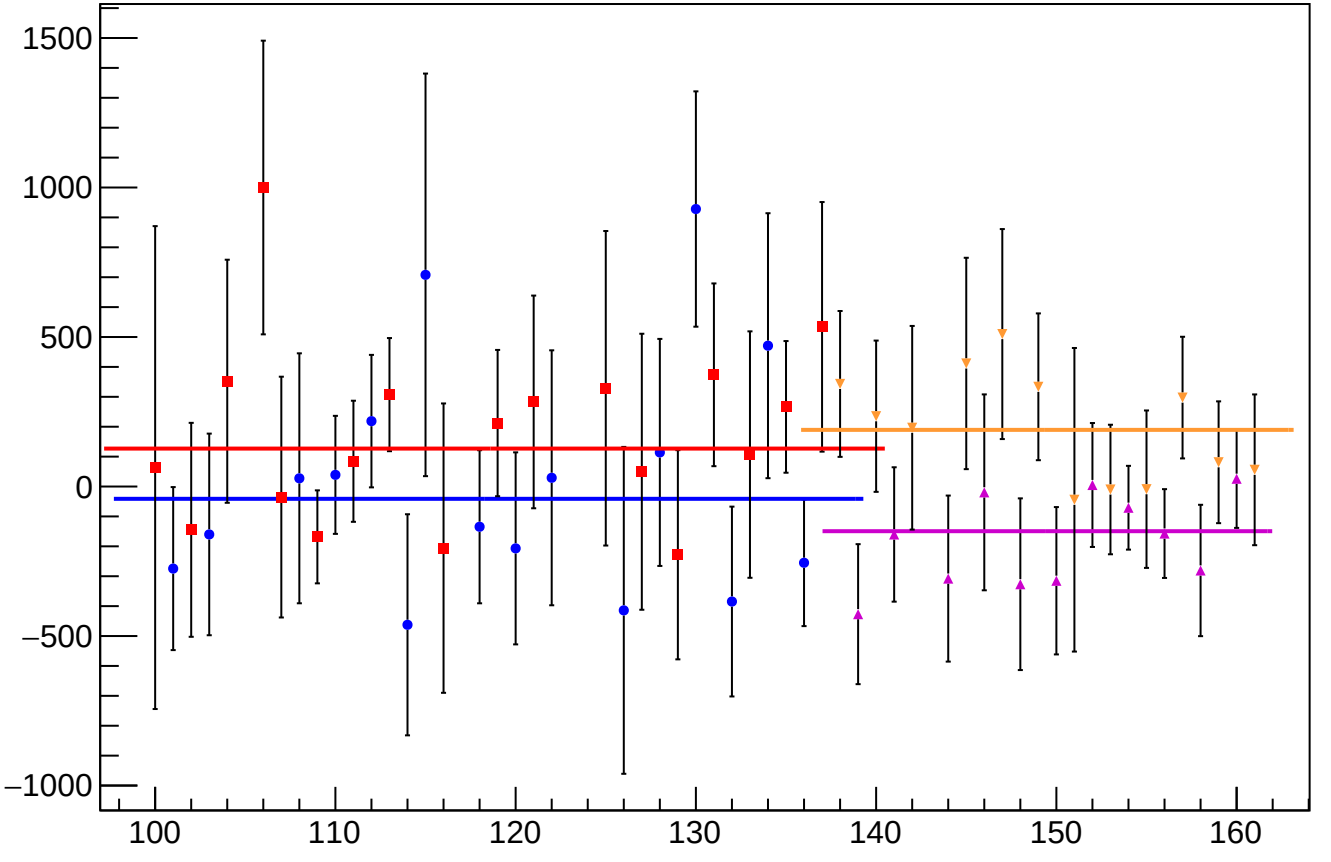
Left In: 31.718+/-0.007 χ^2/NDF:53139.8/10

+ sign 31.302+/-0.006 χ^2/NDF: 3277905.2/27

All: 31.340+/-0.004 χ^2/NDF: 6872952.3/56

- sign 31.378+/-0.006 χ^2/NDF: 3594959.9/28

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 189.467+/-75.080 χ^2/NDF:4.5/11

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

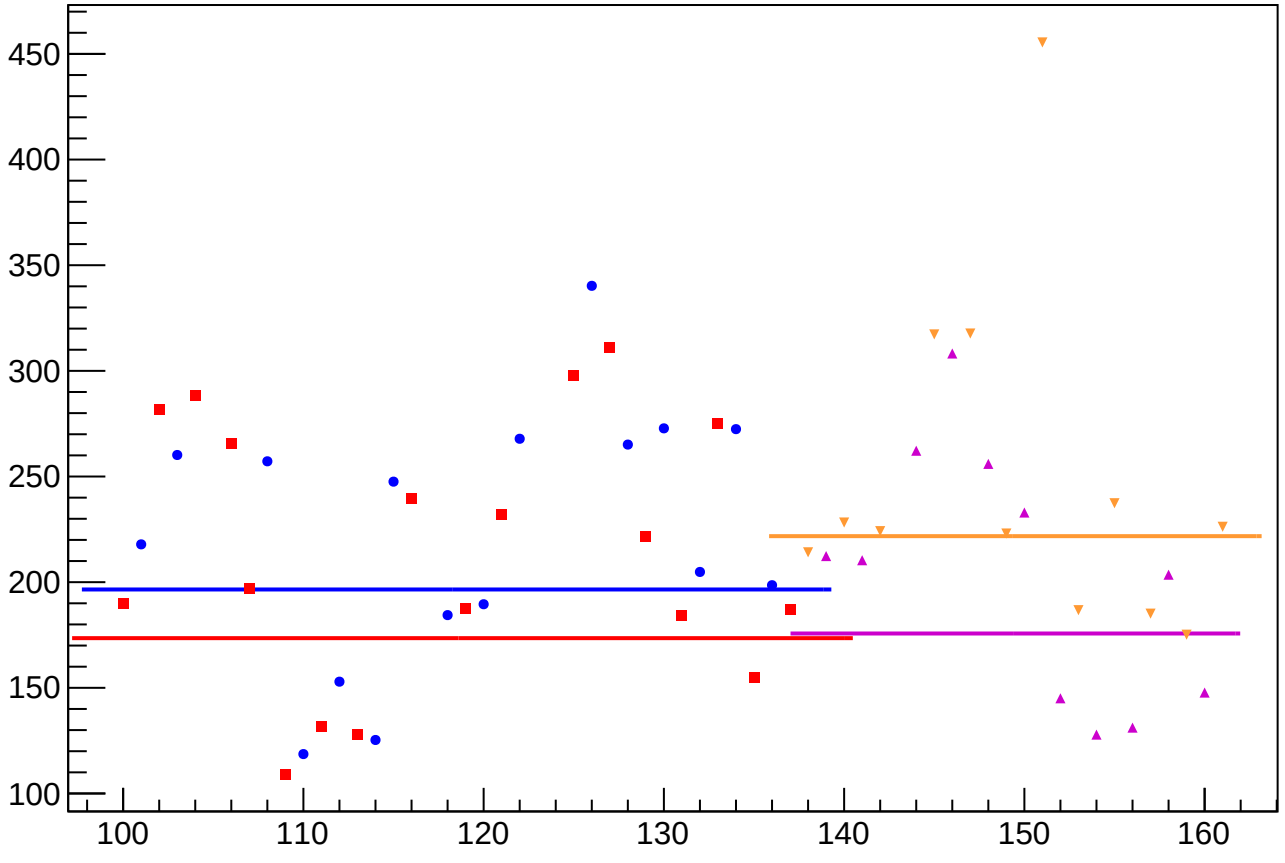
Left In: -149.392+/-61.286 χ^2/NDF:5.1/10

+ sign 77.294+/-53.803 χ^2/NDF: 24.7/27

All: 16.215+/-34.934 χ^2/NDF: 53.7/56

- sign -28.303+/-45.933 χ^2/NDF: 26.8/28

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 221.776+/-0.053 χ^2/NDF:951980.4/11

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

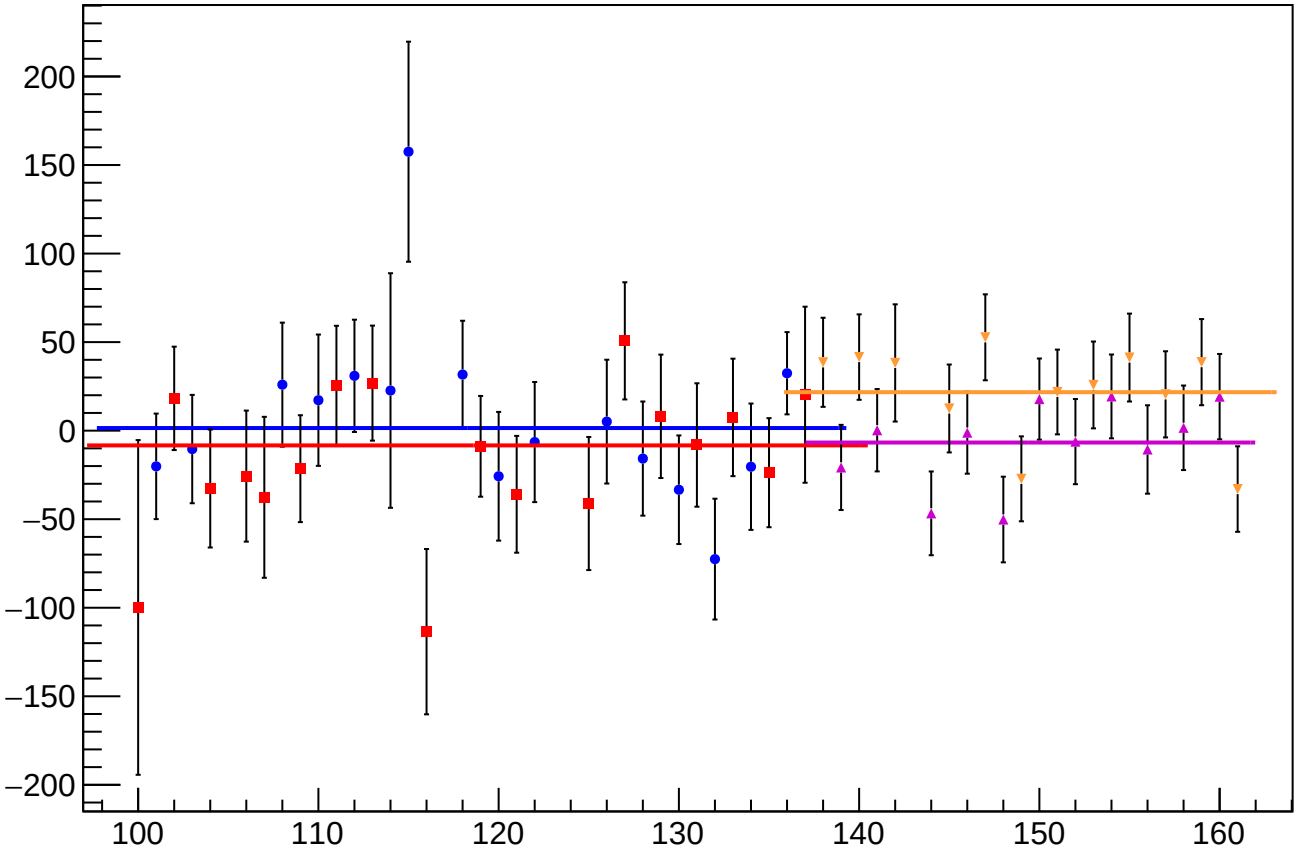
Left In: 175.711+/-0.043 χ^2/NDF:1429232.4/10

+ sign 209.500+/-0.038 χ^2/NDF: 2062656.5/27

All: 189.398+/-0.025 χ^2/NDF: 5508448.2/56

- sign 174.746+/-0.032 χ^2/NDF: 2963084.3/28

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 21.721+/-7.180 χ^2/NDF:13.6/11

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

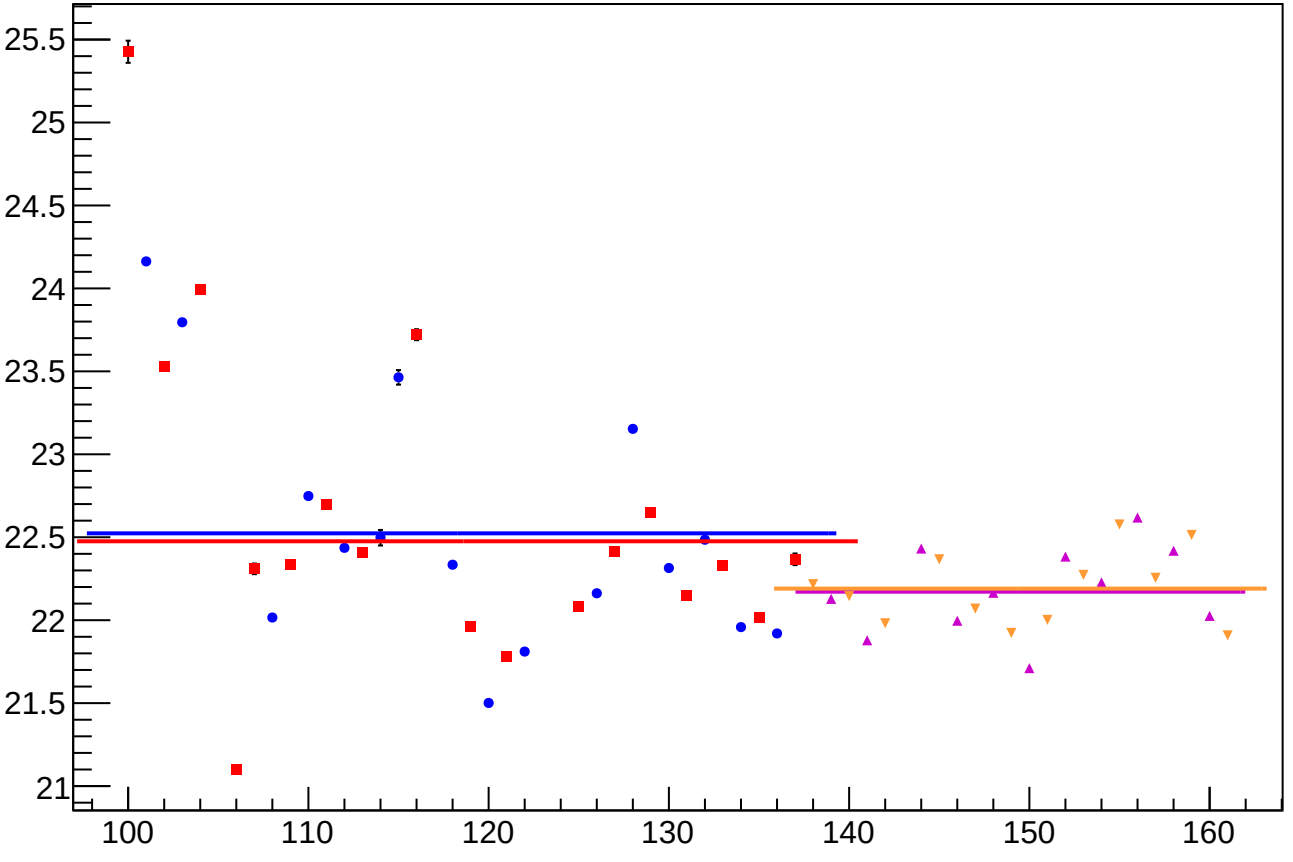
Left In: -6.707+/-7.173 χ^2/NDF:10.2/10

+ sign 13.139+/-5.450 χ^2/NDF: 35.6/27

All: 2.818+/-3.844 χ^2/NDF: 69.0/56

- sign -7.402+/-5.423 χ^2/NDF: 26.3/28

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.190+/-0.005 χ^2/NDF:1759.9/11

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

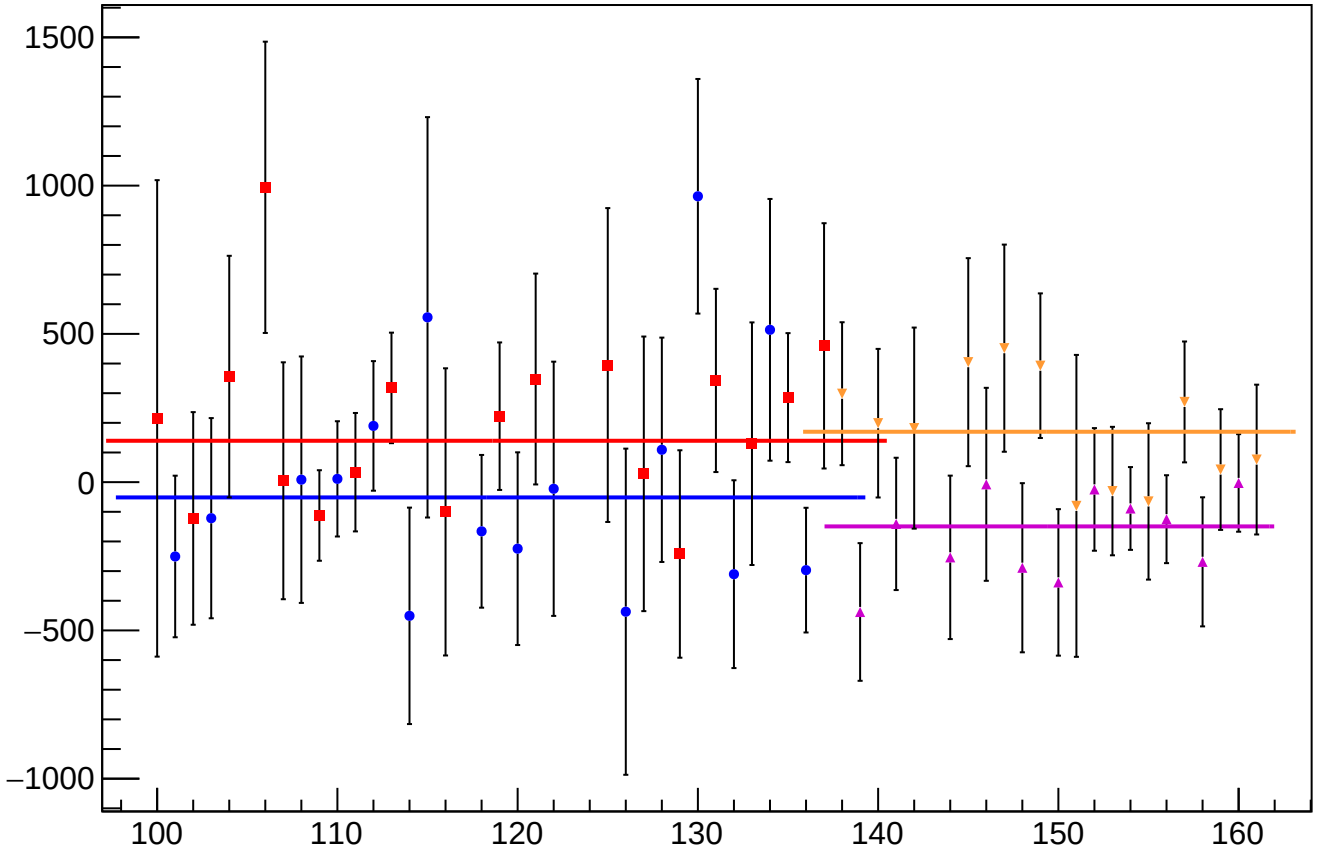
Left In: 22.172+/-0.005 χ^2/NDF:2582.5/10

+ sign 22.332+/-0.004 χ^2/NDF: 19532.6/27

All: 22.317+/-0.003 χ^2/NDF: 39218.0/56

- sign 22.302+/-0.004 χ^2/NDF: 19655.7/28

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 169.982+/-74.868 χ^2/NDF:4.9/11

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

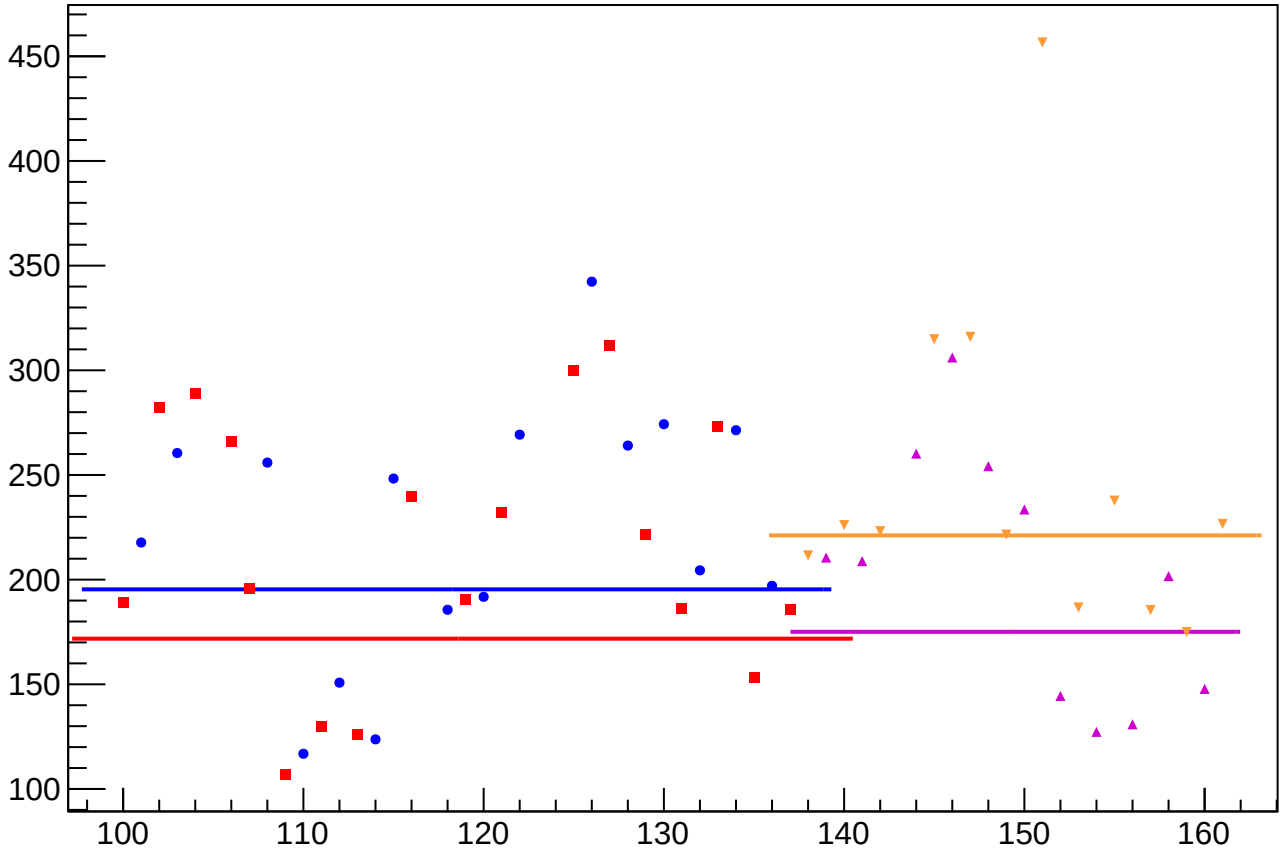
Left In: -149.251+/-61.060 χ^2/NDF:4.4/10

+ sign 62.063+/-53.609 χ^2/NDF: 24.5/27

All: 13.266+/-34.776 χ^2/NDF: 51.7/56

- sign -22.187+/-45.694 χ^2/NDF: 25.8/28

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 221.157+/-0.053 χ^2/NDF:945697.3/11

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

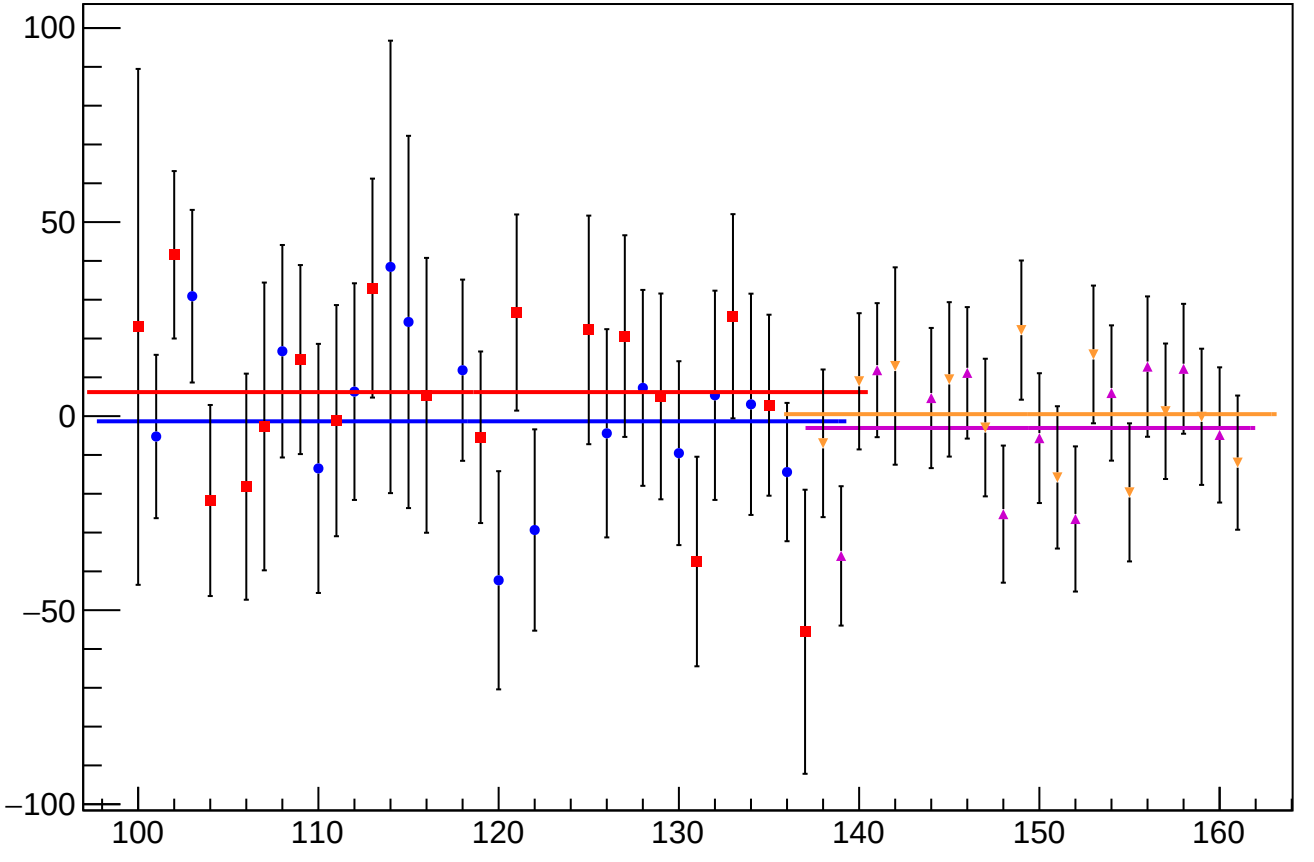
Left In: 175.084+/-0.043 χ^2/NDF:1414613.9/10

+ sign 208.587+/-0.038 χ^2/NDF: 2102826.3/27

All: 188.346+/-0.025 χ^2/NDF: 5612887.5/56

- sign 173.641+/-0.032 χ^2/NDF: 3017814.6/28

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 0.512+/-5.303 χ^2/NDF:5.7/11

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

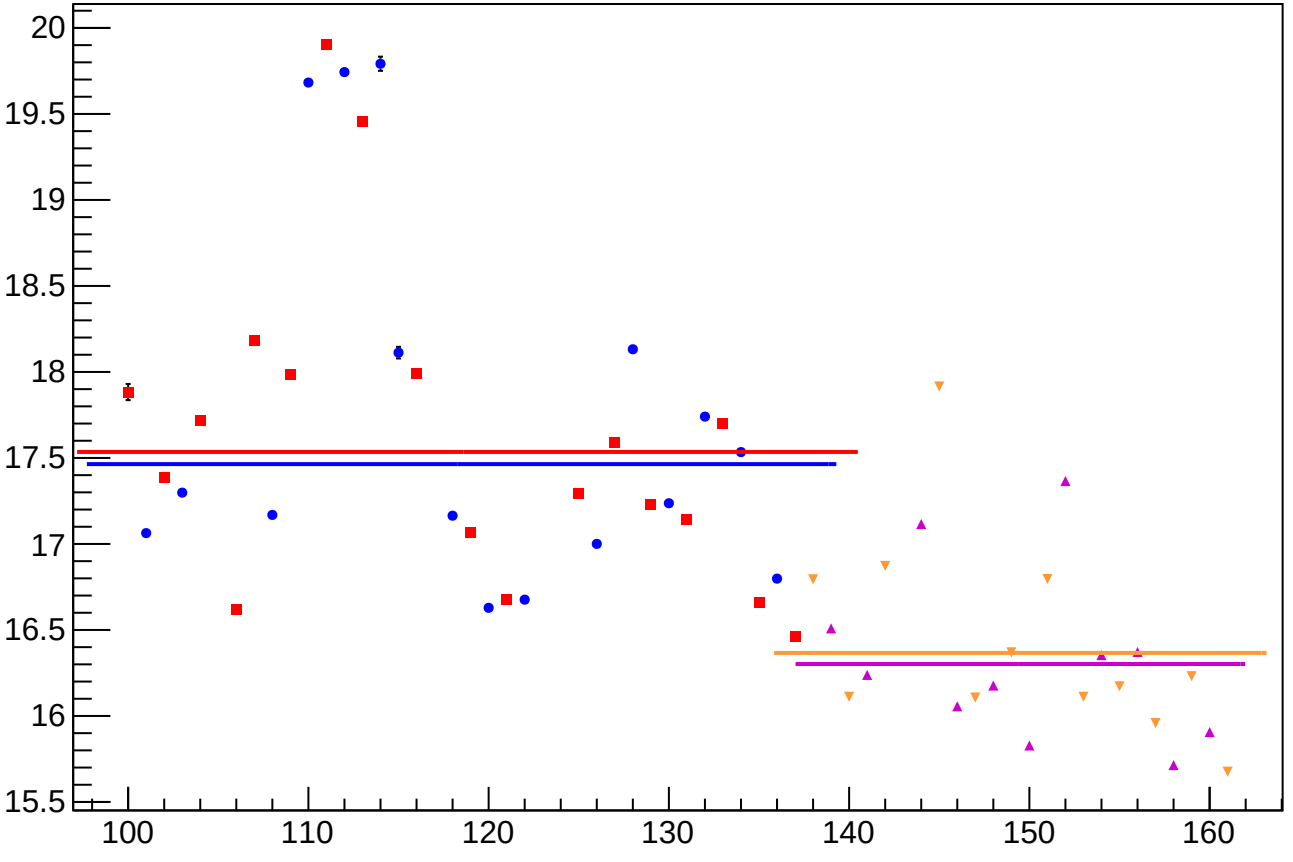
Left In: -3.052+/-5.281 χ^2/NDF:10.0/10

+ sign -0.225+/-4.109 χ^2/NDF: 13.7/27

All: 0.211+/-2.899 χ^2/NDF: 38.5/56

- sign 0.644+/-4.092 χ^2/NDF: 24.7/28

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.367+/-0.004 χ^2/NDF:20931.0/11

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

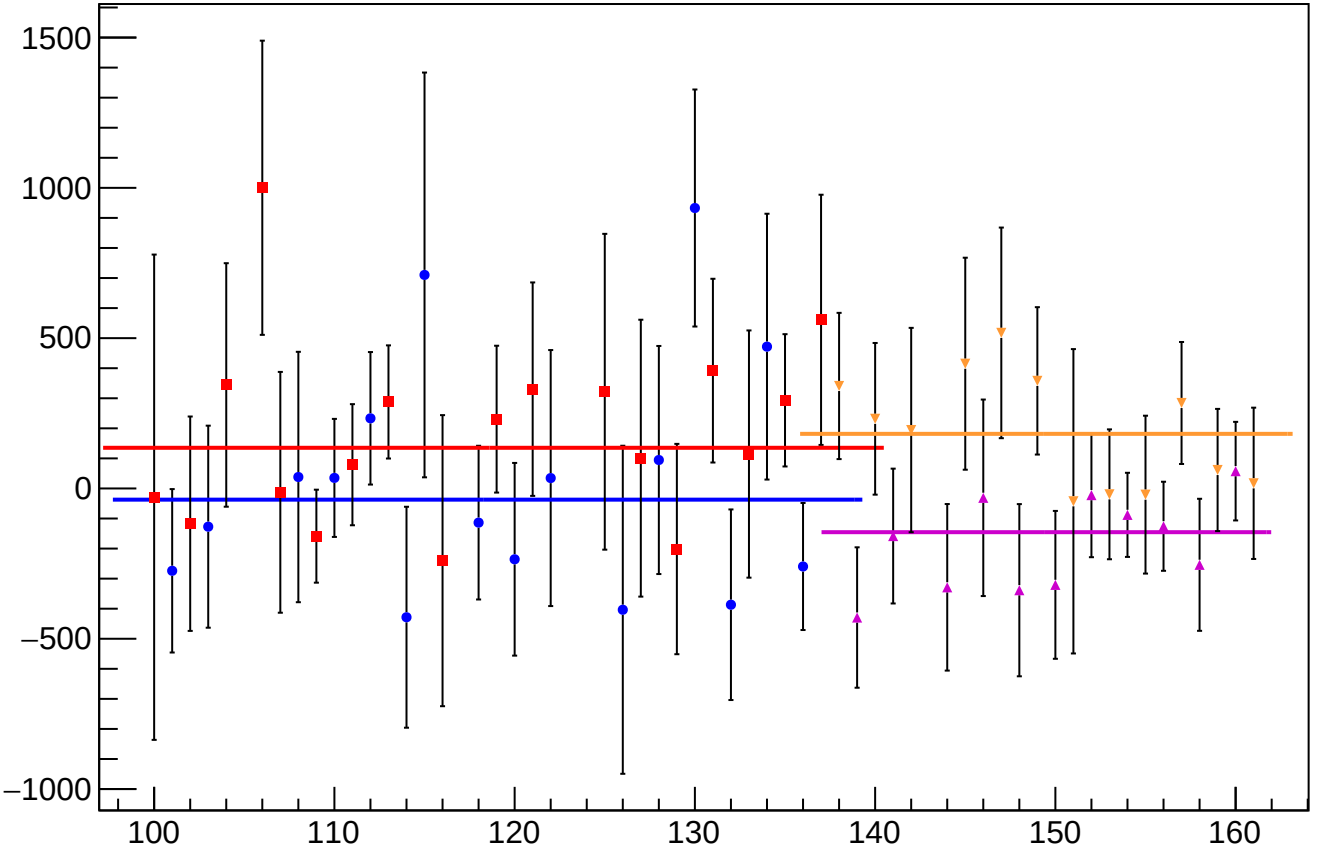
Left In: 16.302+/-0.004 χ^2/NDF:16494.5/10

\+ sign 16.805+/-0.003 χ^2/NDF: 91828.2/27

All: 16.800+/-0.002 χ^2/NDF: 186376.4/56

\- sign 16.795+/-0.003 χ^2/NDF: 94541.6/28

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 181.653+/-74.910 χ^2/NDF:5.0/11

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

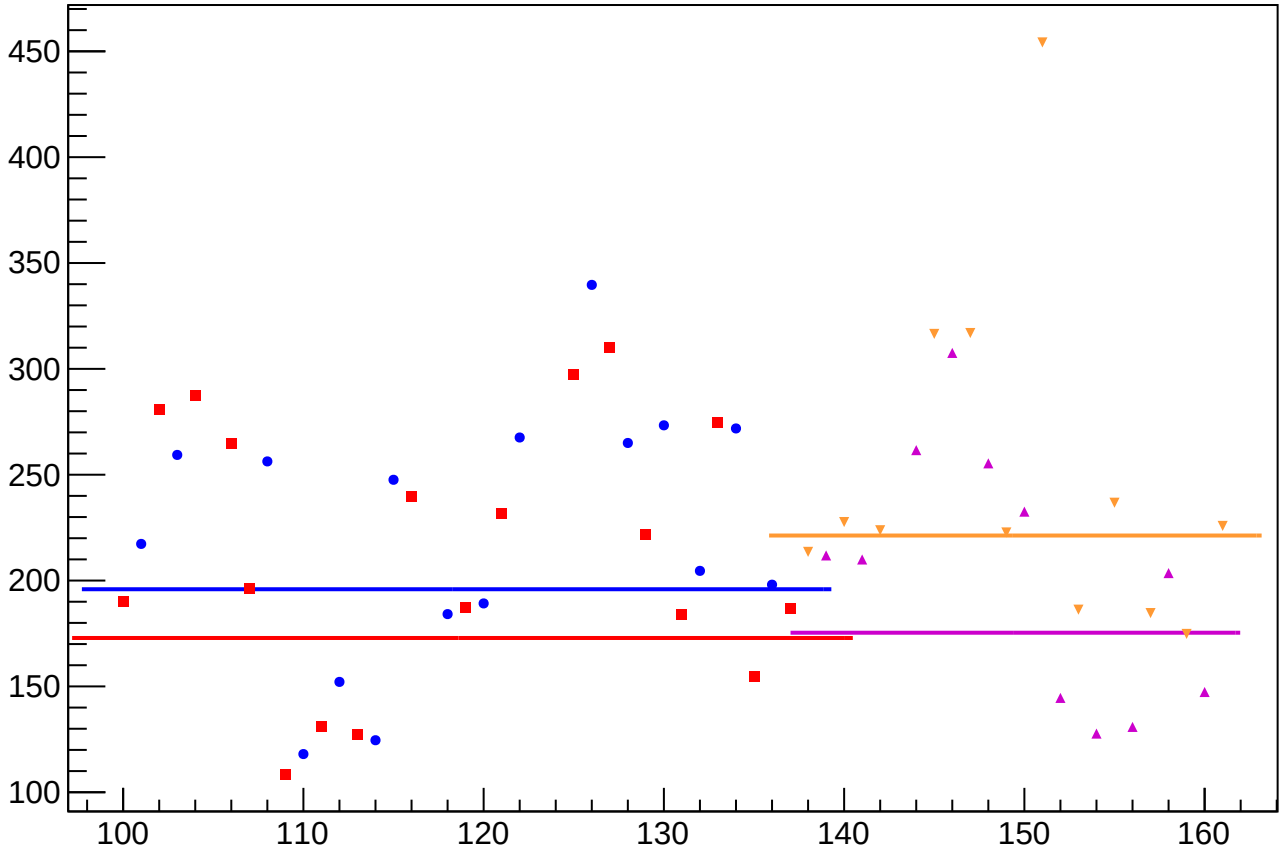
Left In: -145.461+/-61.163 χ^2/NDF:5.3/10

+ sign 75.096+/-53.664 χ^2/NDF: 24.8/27

All: 18.791+/-34.844 χ^2/NDF: 54.1/56

- sign -22.249+/-45.816 χ^2/NDF: 27.4/28

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 221.276+/-0.053 χ^2/NDF:951779.2/11

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

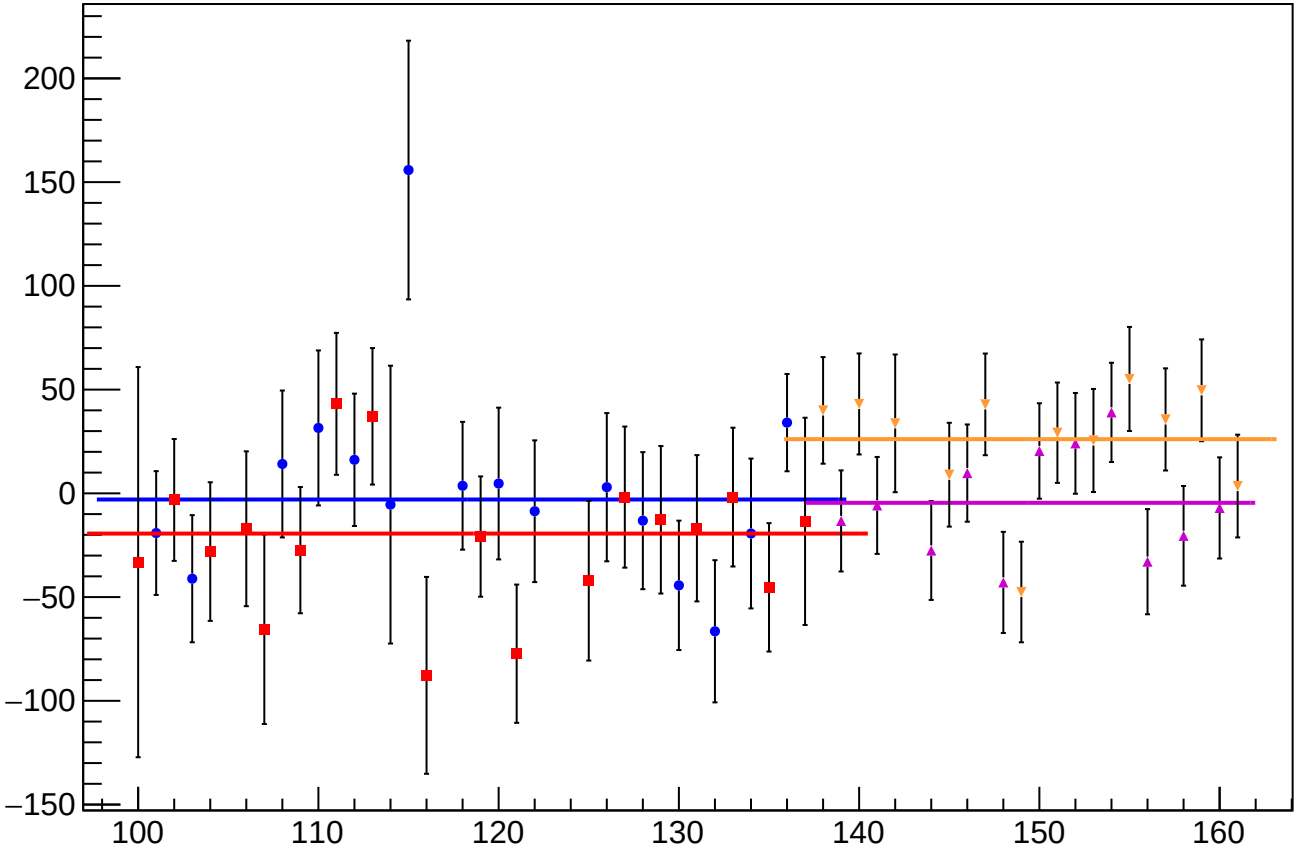
Left In: 175.360+/-0.043 χ^2/NDF:1429504.4/10

+ sign 208.923+/-0.038 χ^2/NDF: 2074518.8/27

All: 188.878+/-0.025 χ^2/NDF: 5531143.4/56

- sign 174.268+/-0.032 χ^2/NDF: 2974213.7/28

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 26.114+/-7.267 χ^2/NDF:14.3/11

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

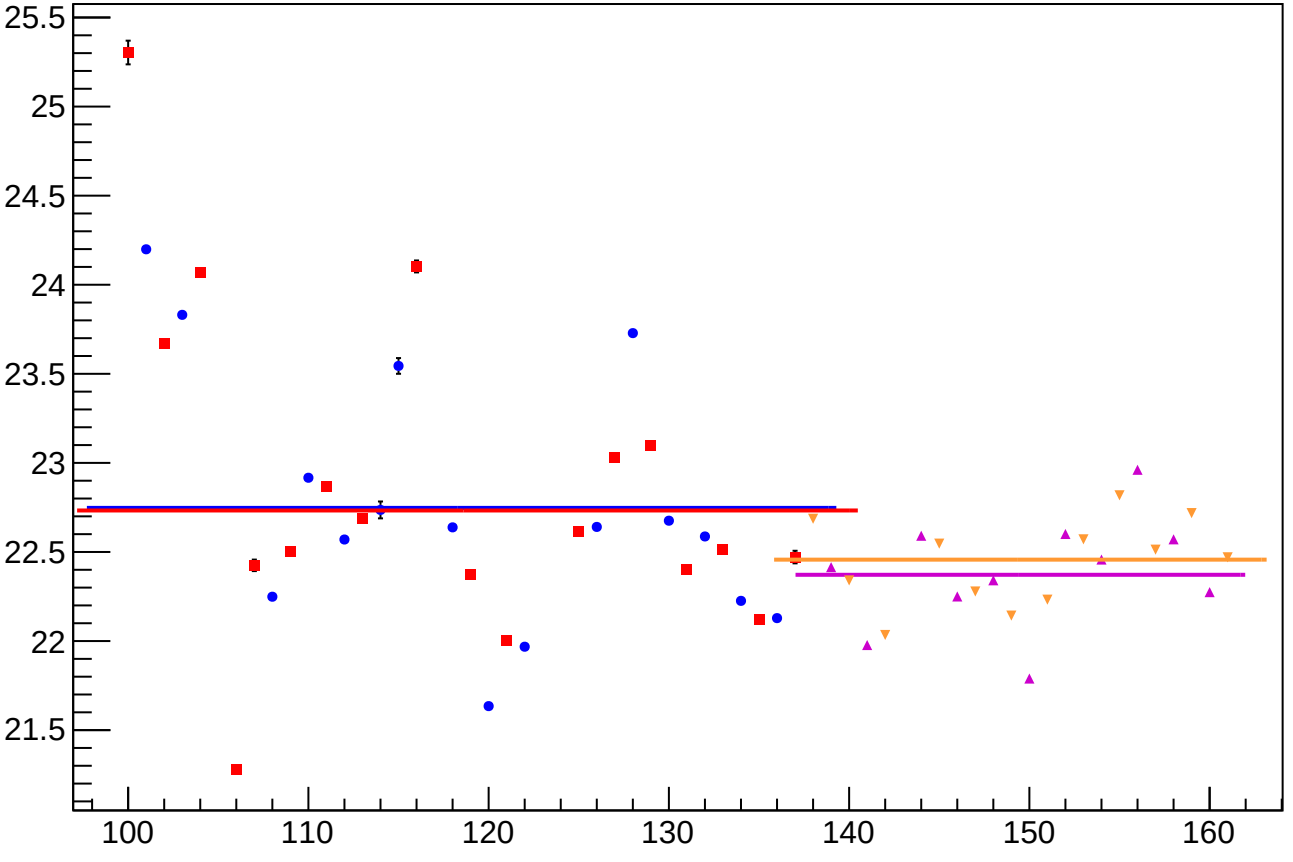
Left In: -4.563+/-7.239 χ^2/NDF:11.5/10

+ sign 13.756+/-5.511 χ^2/NDF: 39.0/27

All: 1.357+/-3.885 χ^2/NDF: 76.9/56

- sign -10.896+/-5.478 χ^2/NDF: 27.8/28

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.457+/-0.005 χ^2/NDF:1864.6/11

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

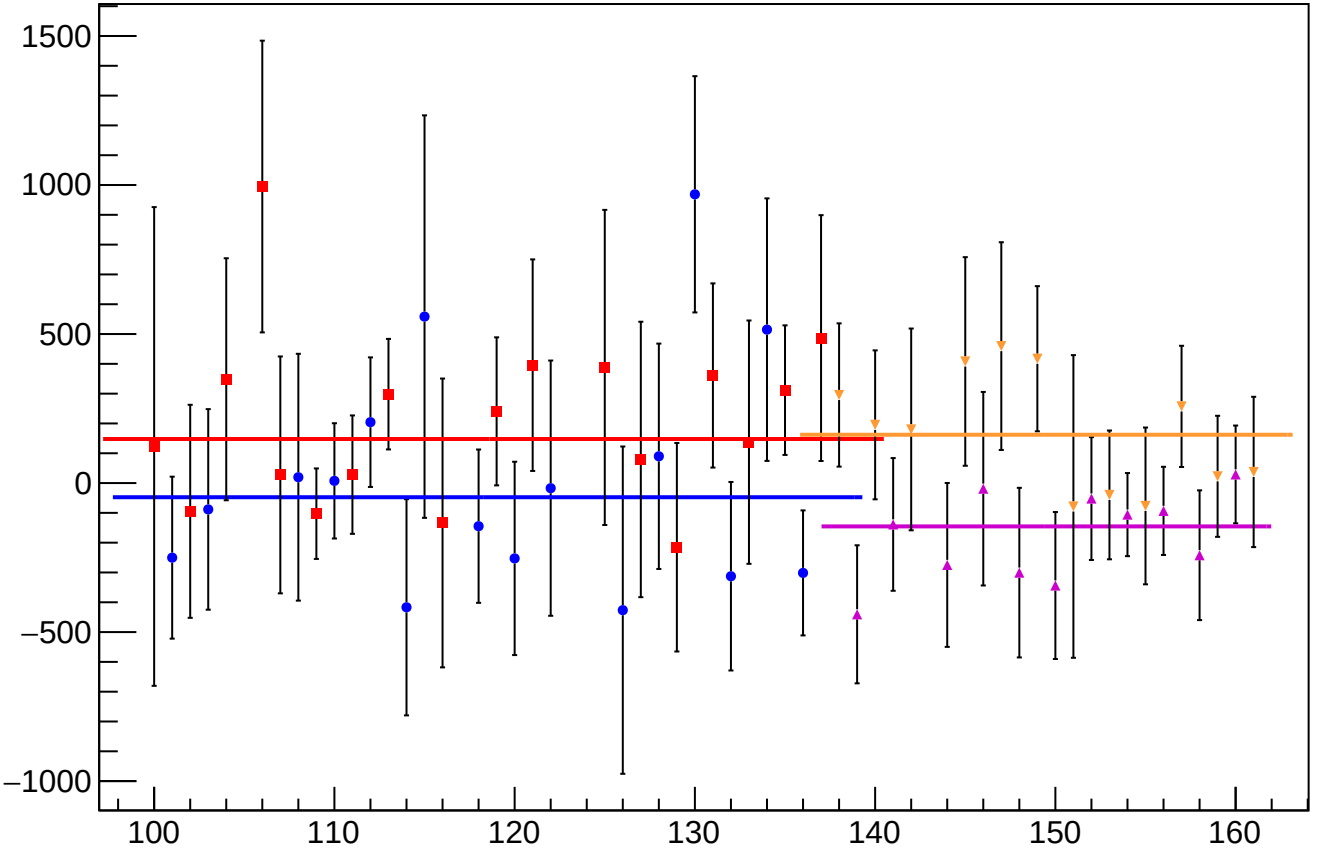
Left In: 22.372+/-0.005 χ^2/NDF:3538.5/10

+ sign 22.580+/-0.004 χ^2/NDF: 17845.7/27

All: 22.553+/-0.003 χ^2/NDF: 37996.8/56

- sign 22.526+/-0.004 χ^2/NDF: 20053.5/28

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 162.090+/-74.698 χ^2/NDF:5.5/11

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

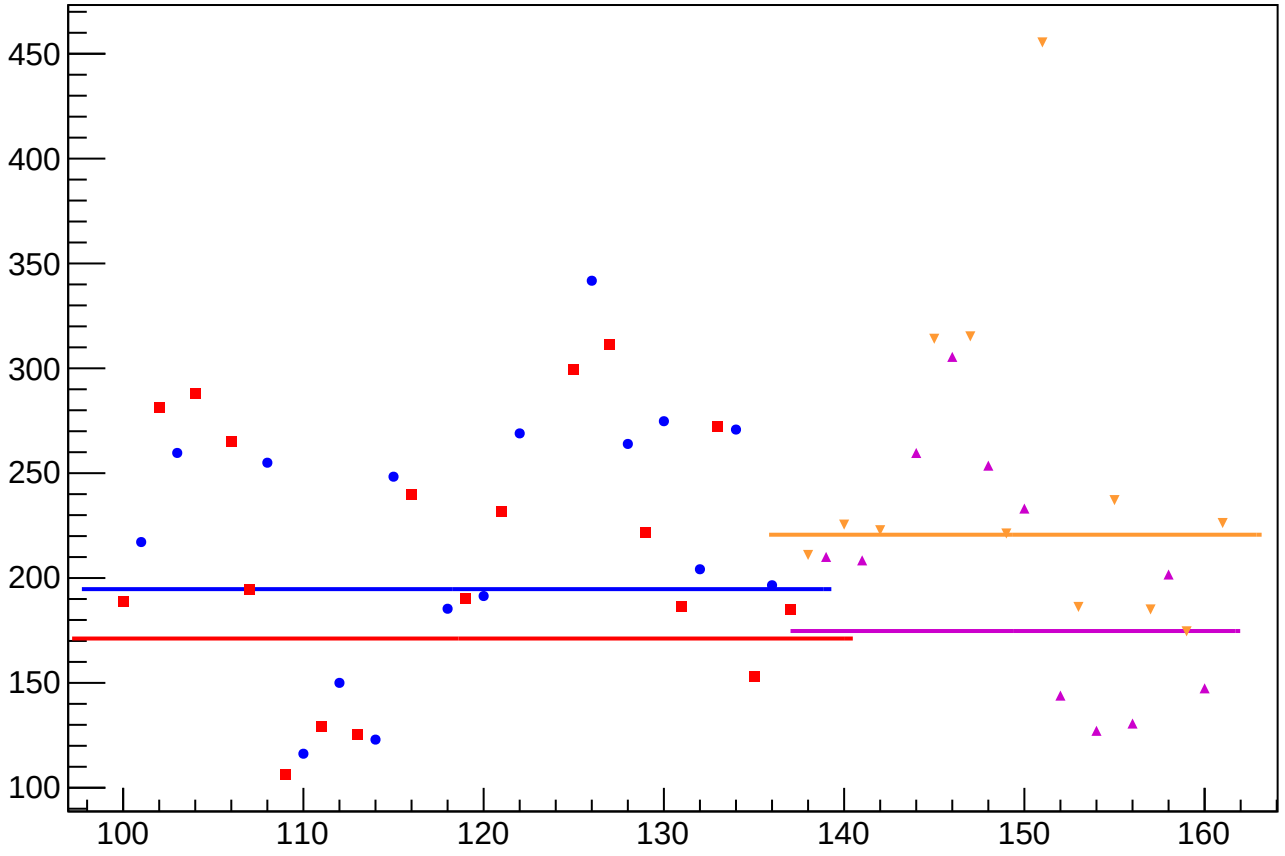
Left In: -145.416+/-60.937 χ^2/NDF:4.7/10

+ sign 59.879+/-53.469 χ^2/NDF: 24.7/27

All: 15.808+/-34.685 χ^2/NDF: 52.3/56

- sign -16.212+/-45.576 χ^2/NDF: 26.4/28

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 220.658+/-0.053 χ^2/NDF:945483.7/11

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

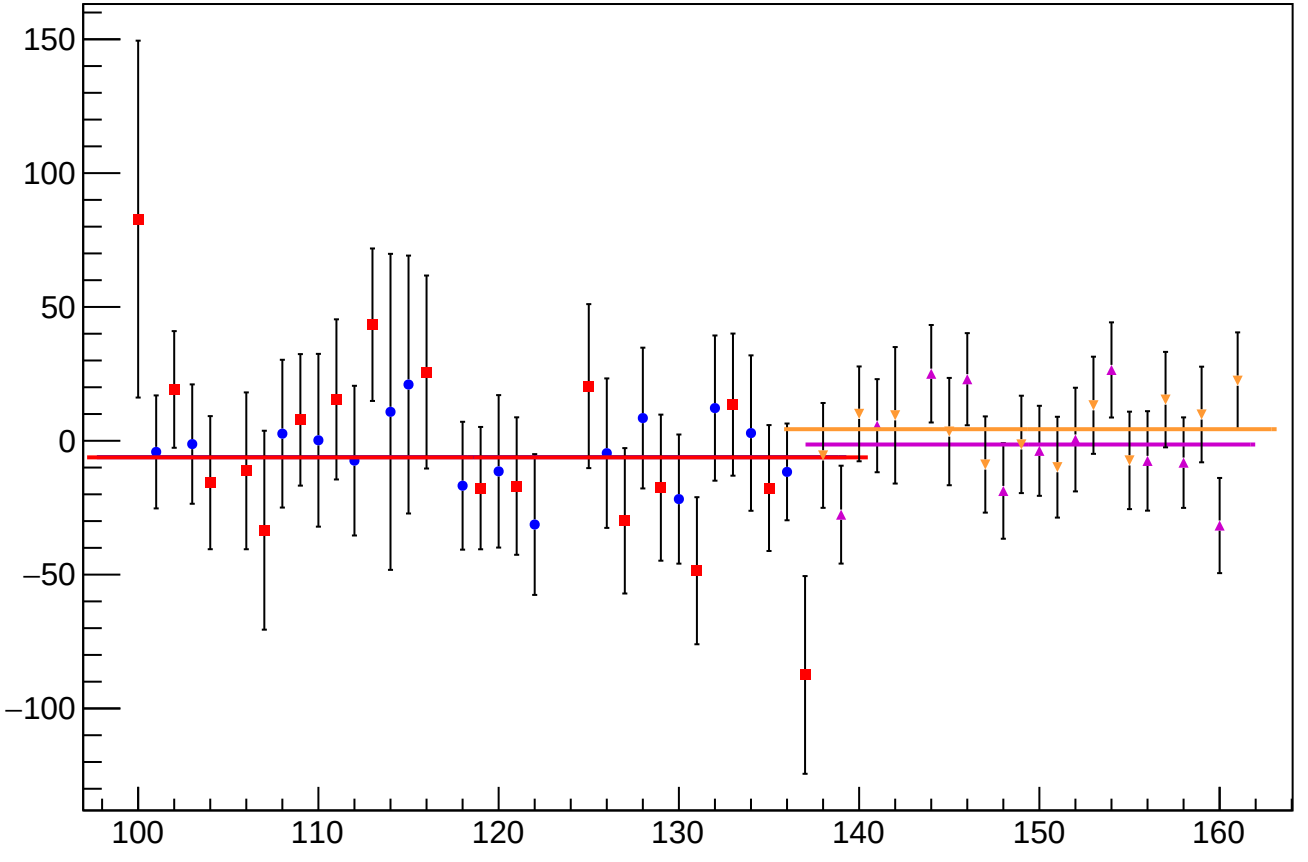
Left In: 174.734+/-0.043 χ^2/NDF:1414745.1/10

\+ sign 208.004+/-0.038 χ^2/NDF: 2115467.2/27

All: 187.821+/-0.025 χ^2/NDF: 5637187.2/56

\- sign 173.157+/-0.032 χ^2/NDF: 3029717.8/28

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.331+/-5.411 χ^2/NDF:3.7/11

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

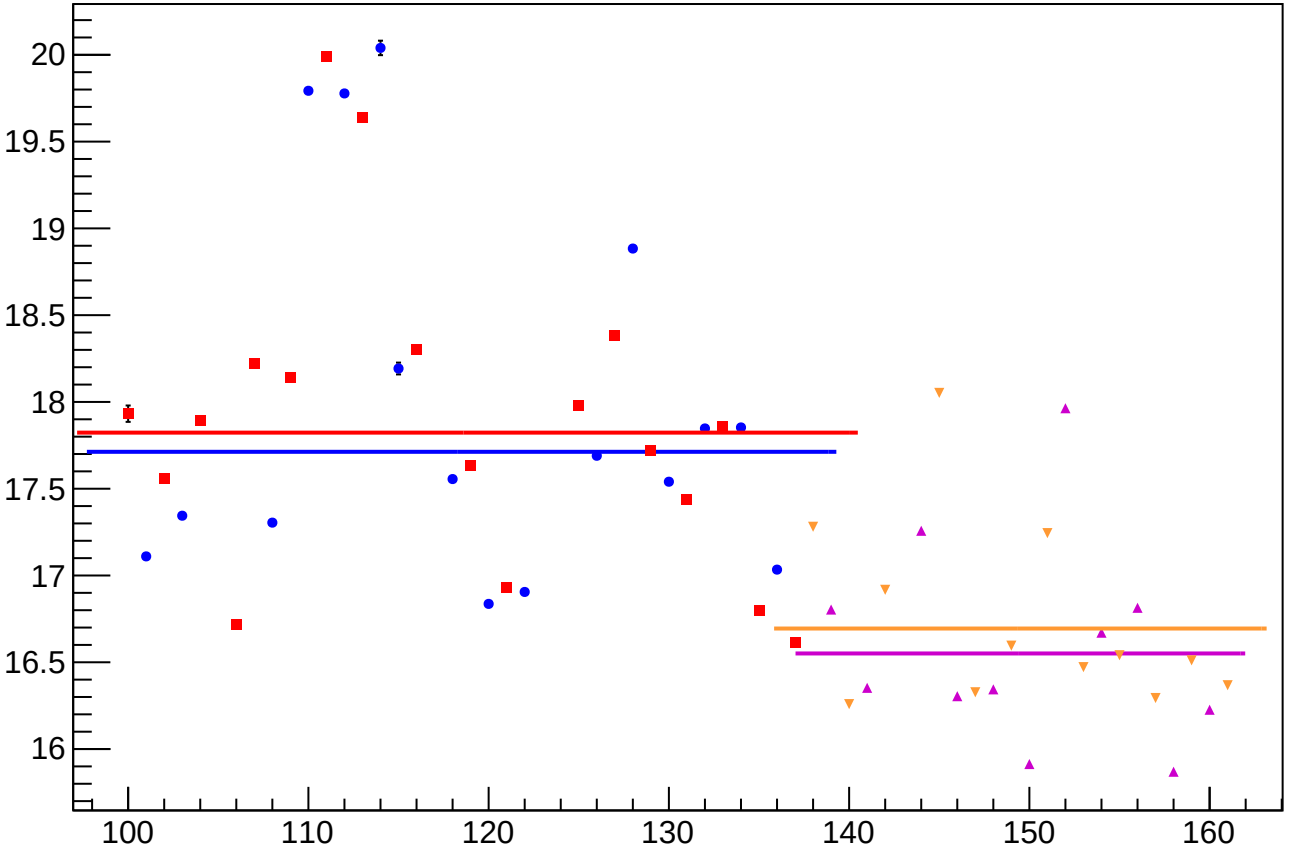
Left In: -1.389+/-5.365 χ^2/NDF:12.9/10

+ sign 0.125+/-4.182 χ^2/NDF: 8.4/27

All: -1.601+/-2.949 χ^2/NDF: 40.6/56

- sign -3.307+/-4.158 χ^2/NDF: 31.9/28

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.694+/-0.004 χ^2/NDF:17241.1/11

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

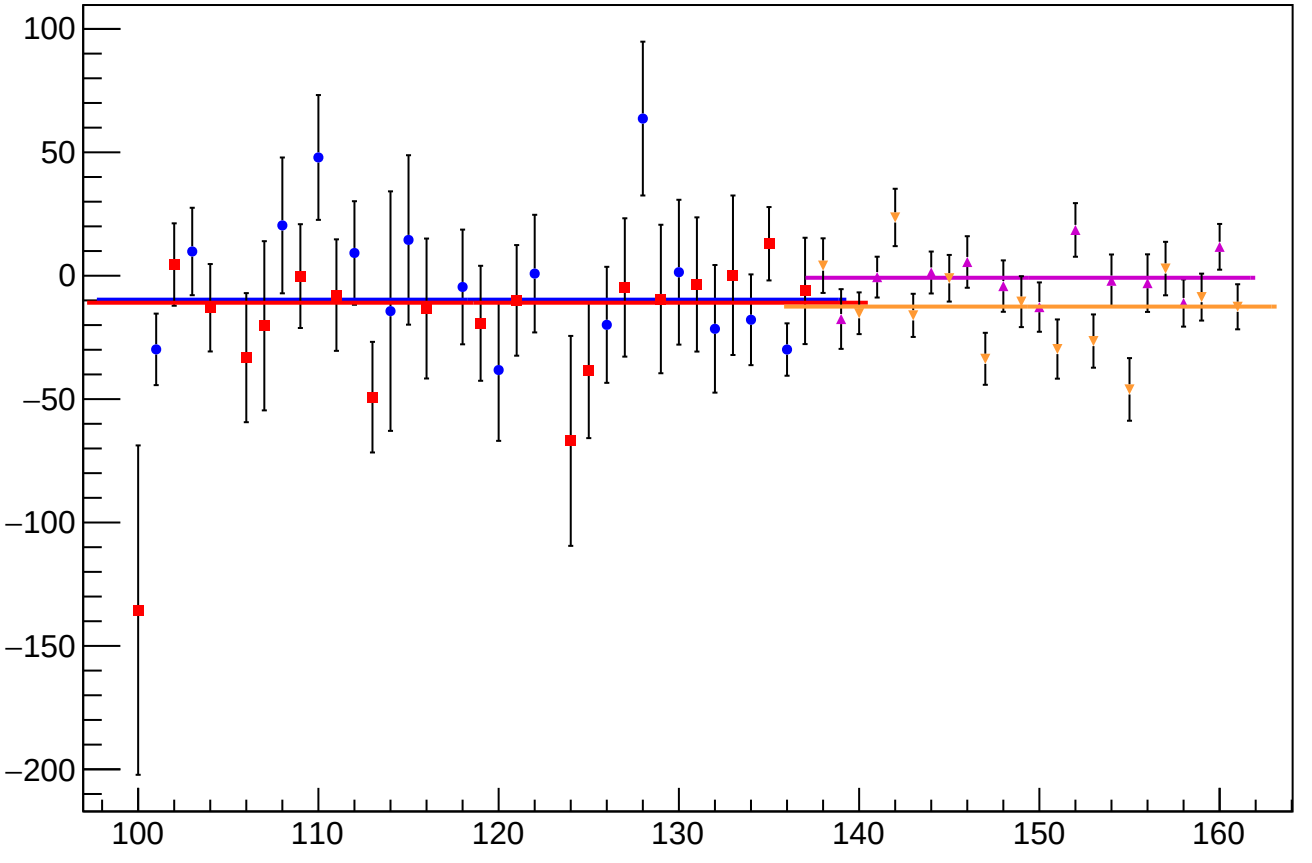
Left In: 16.551+/-0.004 χ^2/NDF:22254.9/10

\+ sign 17.104+/-0.003 χ^2/NDF: 81732.2/27

All: 17.081+/-0.002 χ^2/NDF: 181531.9/56

\- sign 17.059+/-0.003 χ^2/NDF: 99680.7/28

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -12.508+/-2.822 χ^2/NDF:30.6/12

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

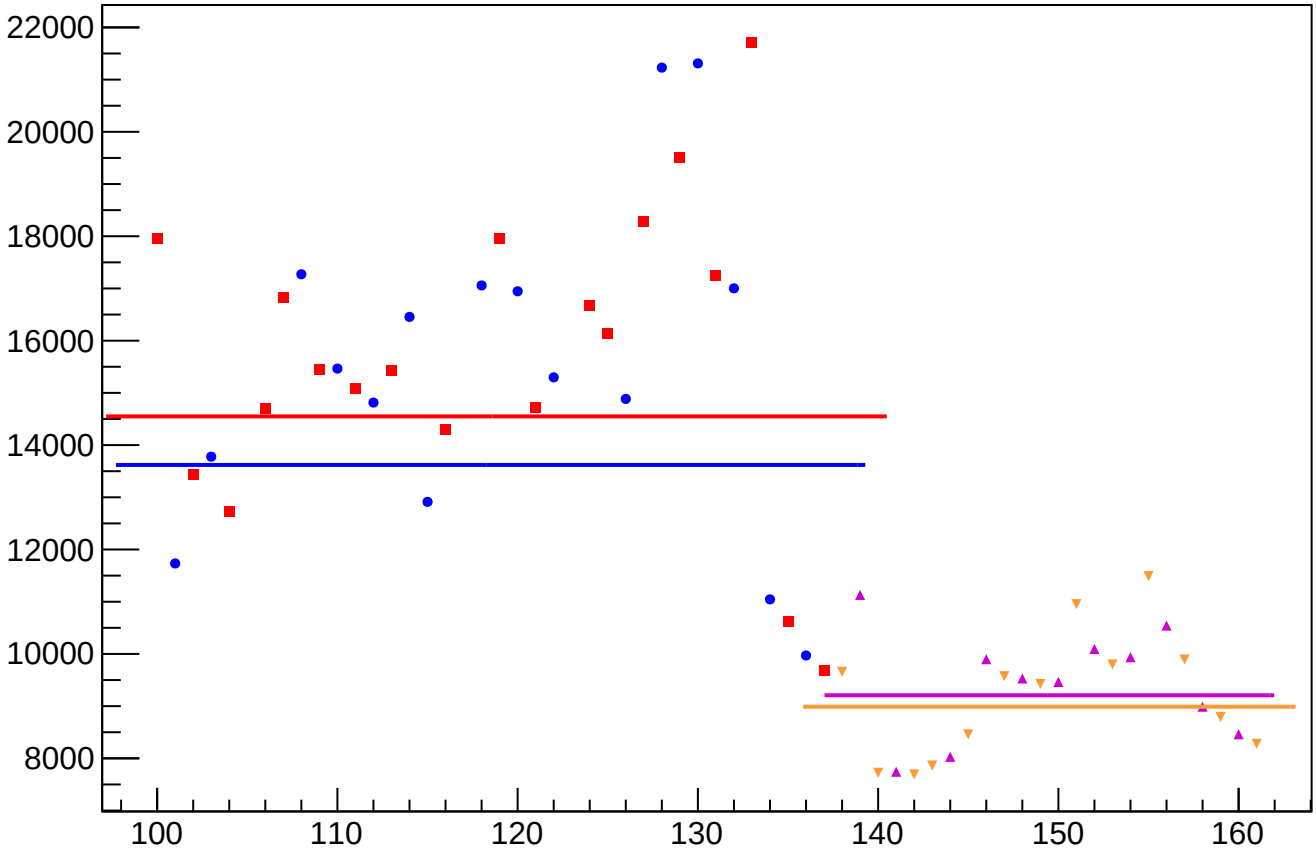
Left In: -0.829+/-3.003 χ^2/NDF:10.1/10

+ sign -11.875+/-2.484 χ^2/NDF: 52.8/28

All: -7.779+/-1.805 χ^2/NDF: 85.4/58

- sign -3.193+/-2.629 χ^2/NDF: 26.8/29

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8988.873+/-1.996 χ^2/NDF:295571.9/12

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

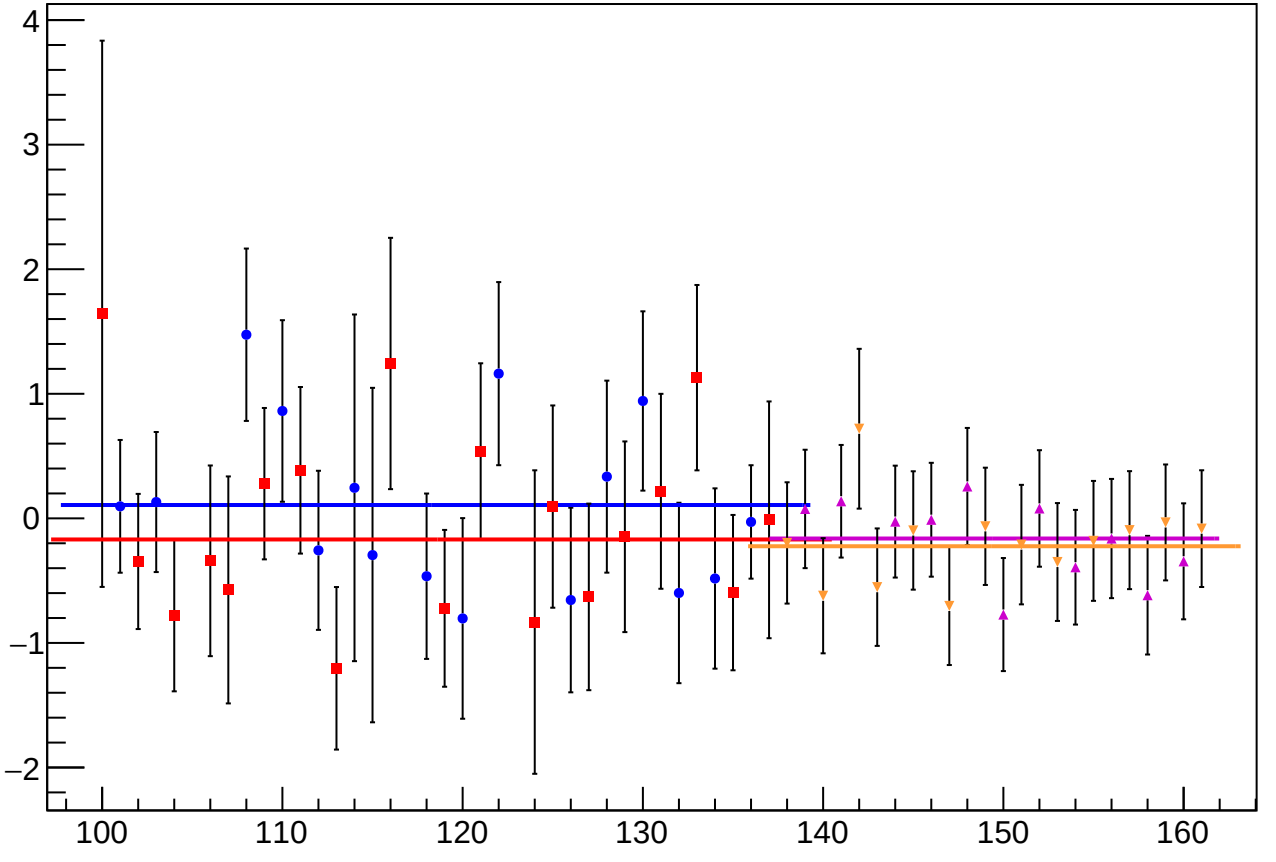
Left In: 9207.767+/-2.123 χ^2/NDF:226509.3/10

+ sign 10032.872+/-1.756 χ^2/NDF: 2256491.6/28

All: 10232.833+/-1.277 χ^2/NDF: 4546047.0/5

- sign 10456.778+/-1.859 χ^2/NDF: 2262077.8/29

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.224+/-0.134 χ^2/NDF:5.0/12

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

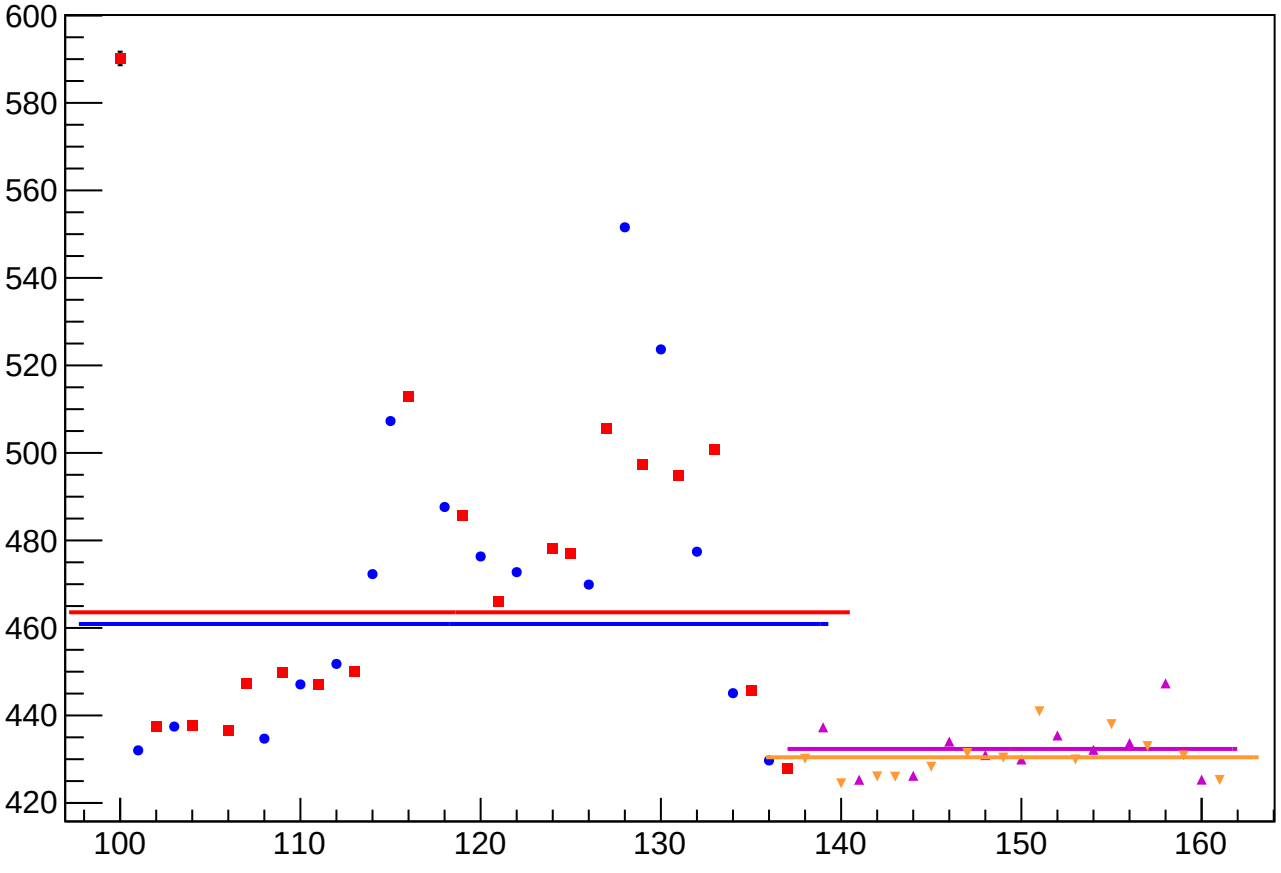
Left In: -0.162+/-0.140 χ^2/NDF:5.1/10

+ sign -0.099+/-0.105 χ^2/NDF: 21.0/28

All: -0.131+/-0.075 χ^2/NDF: 40.4/58

- sign -0.165+/-0.108 χ^2/NDF: 19.2/29

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.440+/-0.095 χ^2/NDF:2415.2/12

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

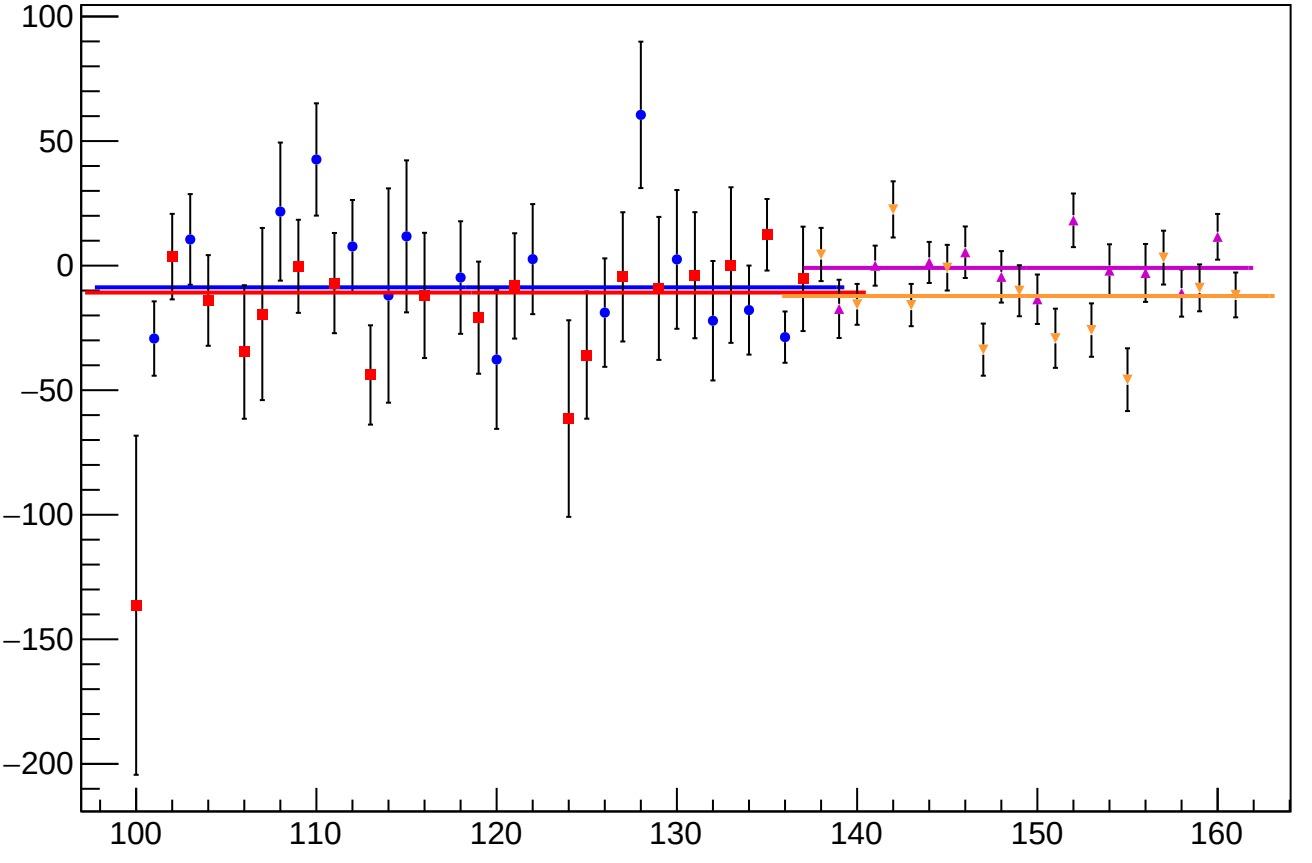
Left In: 432.347+/-0.099 χ^2/NDF:3714.0/10

+ sign 441.935+/-0.075 χ^2/NDF: 116552.3/28

All: 443.433+/-0.053 χ^2/NDF: 213670.0/58

- sign 445.000+/-0.076 χ^2/NDF: 96292.2/29

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -12.184+/-2.771 χ^2/NDF:31.0/12

Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

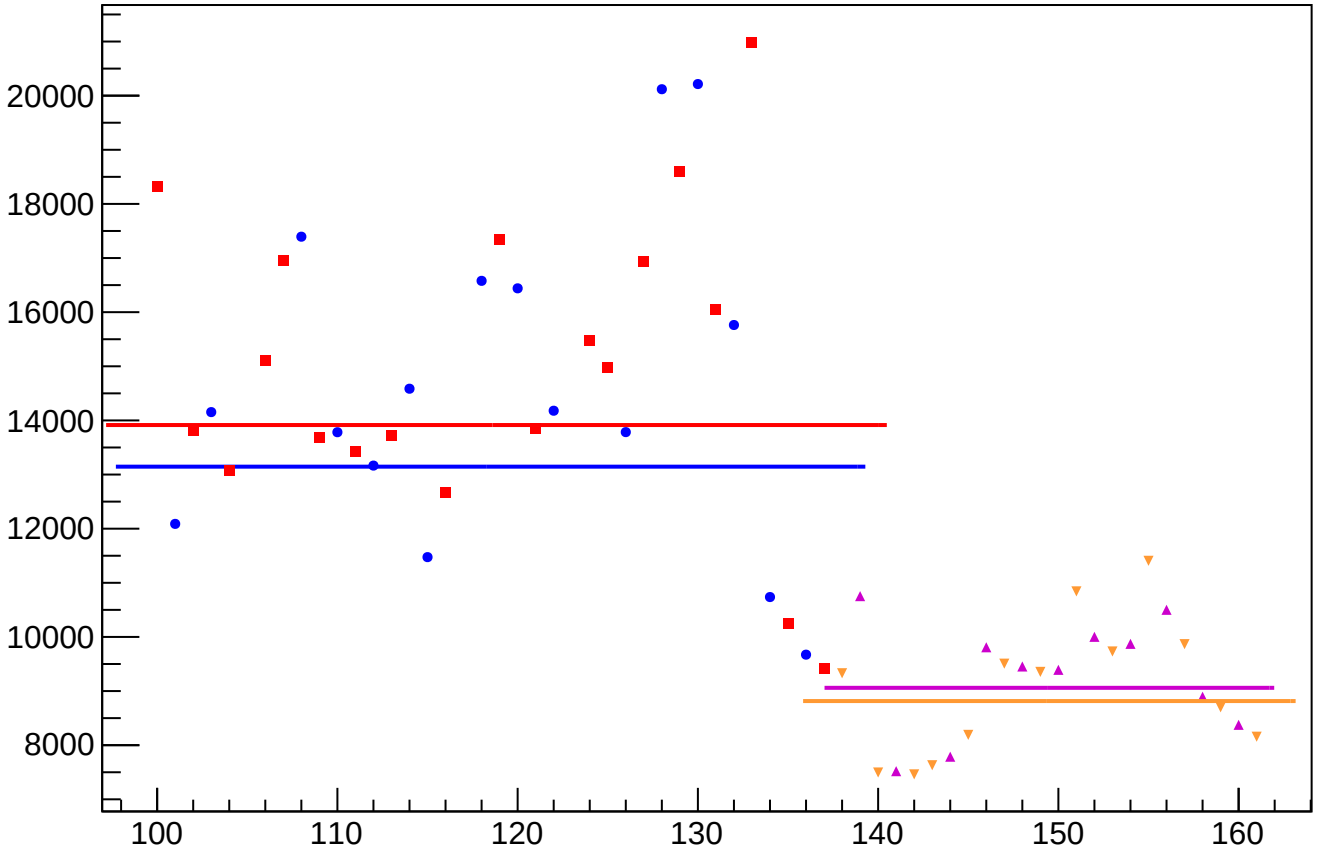
Left In: -0.917+/-2.956 χ^2/NDF:10.3/10

+ sign -11.376+/-2.428 χ^2/NDF: 53.7/28

All: -7.585+/-1.764 χ^2/NDF: 85.8/58

- sign -3.339+/-2.569 χ^2/NDF: 26.9/29

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8815.271+/-1.959 χ^2/NDF:335254.6/12

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

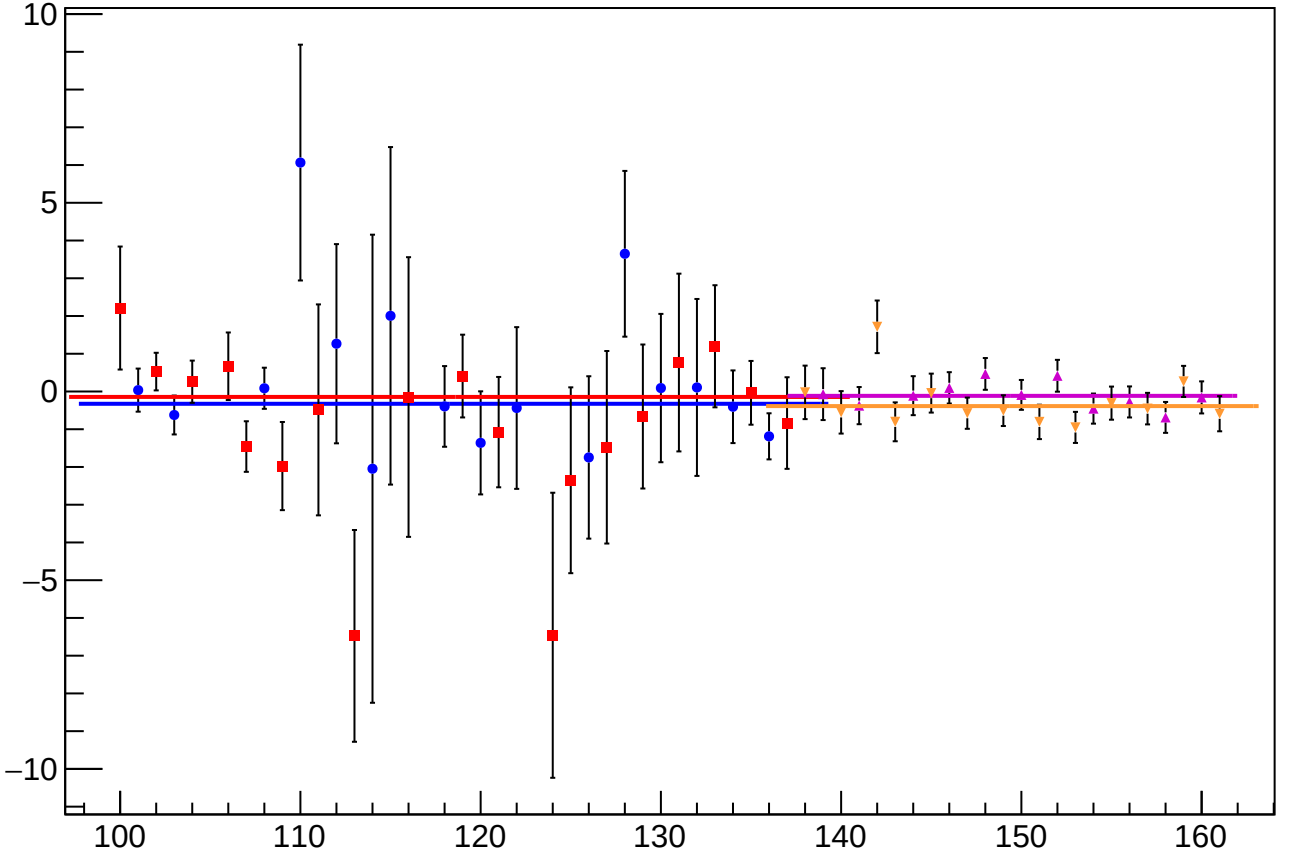
Left In: 9059.887+/-2.091 χ^2/NDF:248436.6/10

+ sign 9821.637+/-1.717 χ^2/NDF: 2153245.6/28

All: 10023.121+/-1.248 χ^2/NDF: 4262593.6/5

- sign 10248.784+/-1.817 χ^2/NDF: 2080139.5/29

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.387+/-0.131 χ^2/NDF:16.3/12

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

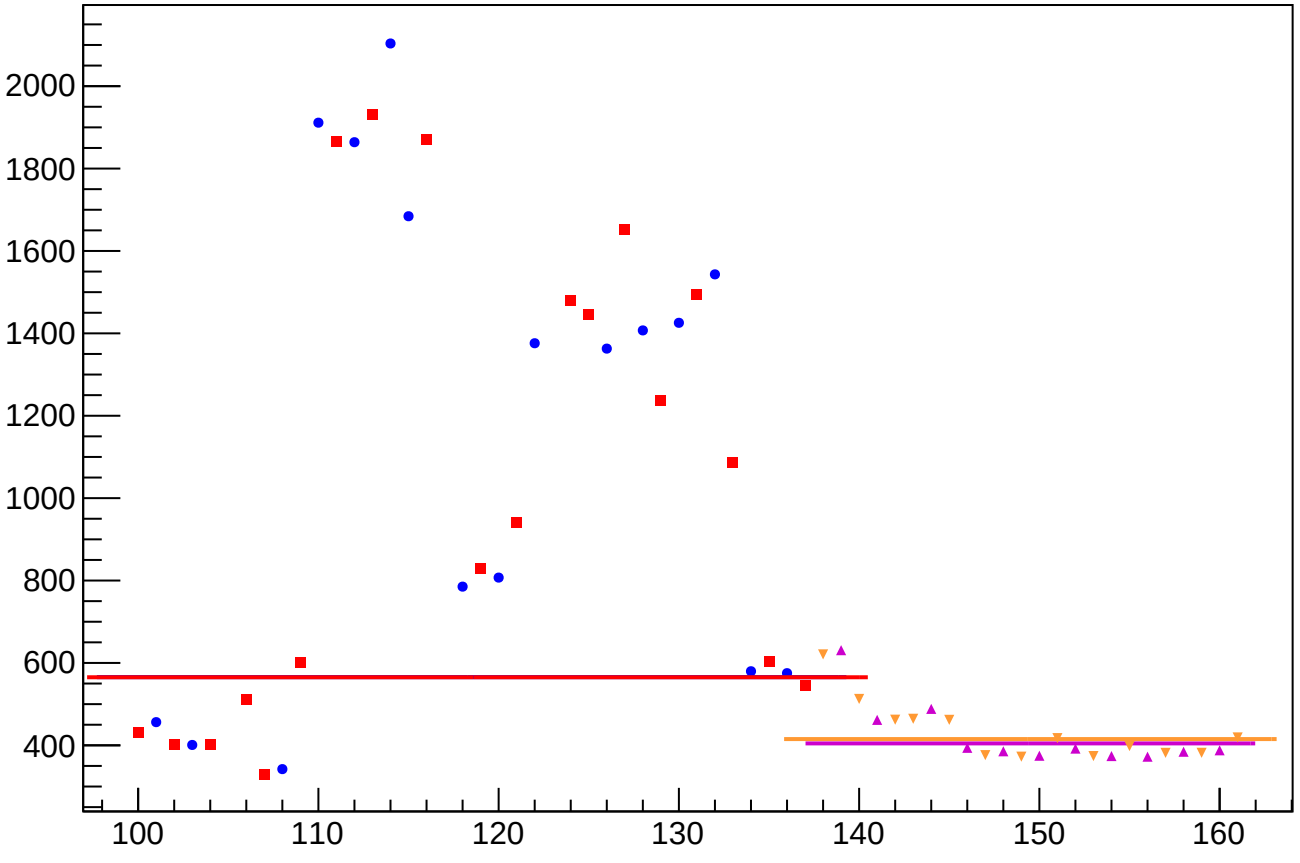
Left In: -0.115+/-0.132 χ^2/NDF:6.9/10

+ sign -0.373+/-0.115 χ^2/NDF: 28.9/28

All: -0.249+/-0.082 χ^2/NDF: 60.6/58

- sign -0.122+/-0.116 χ^2/NDF: 29.3/29

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 415.186+/-0.092 χ^2/NDF:360943.7/12

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

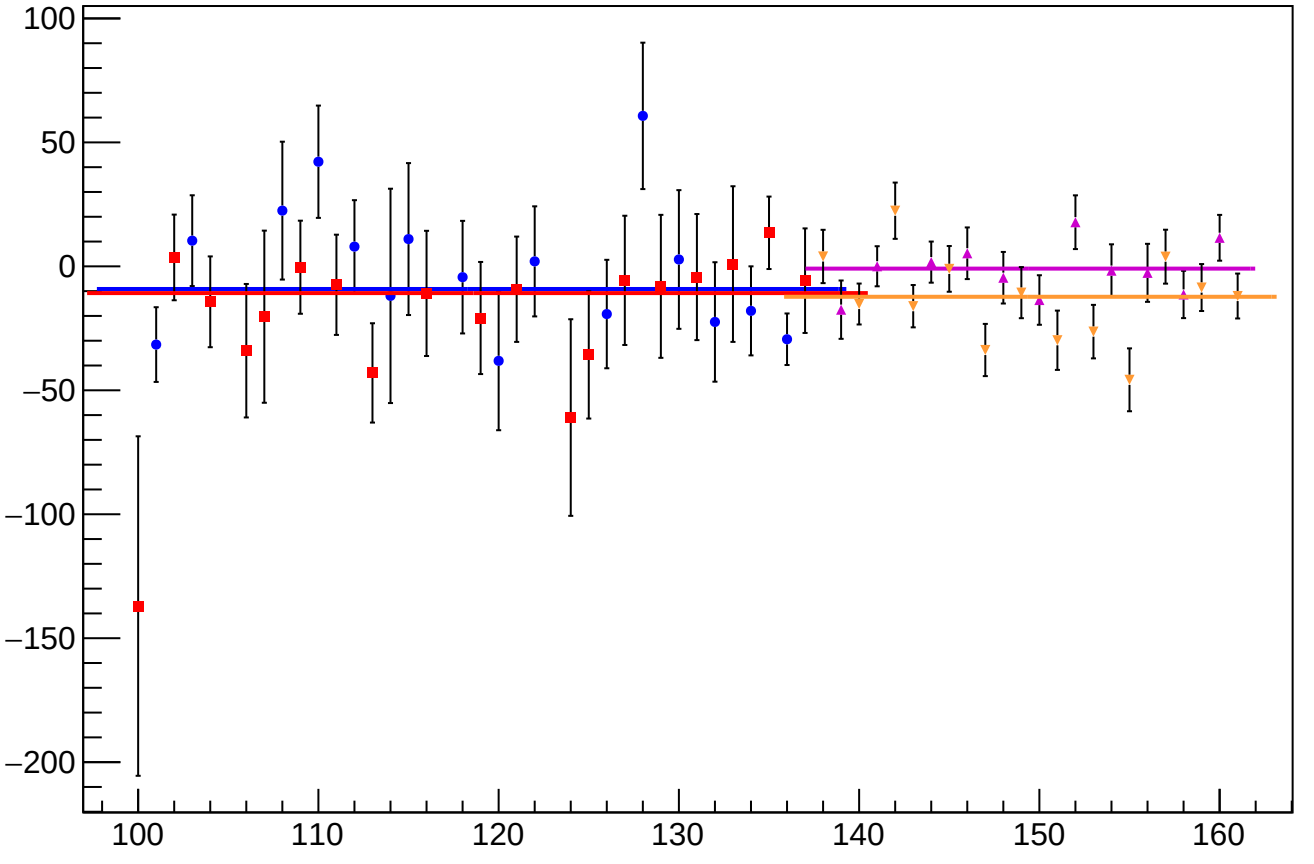
Left In: 404.713+/-0.094 χ^2/NDF:347542.1/10

+ sign 448.603+/-0.081 χ^2/NDF: 4401421.4/28

All: 444.888+/-0.058 χ^2/NDF: 8992103.7/58

- sign 441.092+/-0.082 χ^2/NDF: 4586469.3/29

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -12.275+/-2.789 χ^2/NDF:30.8/12

Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

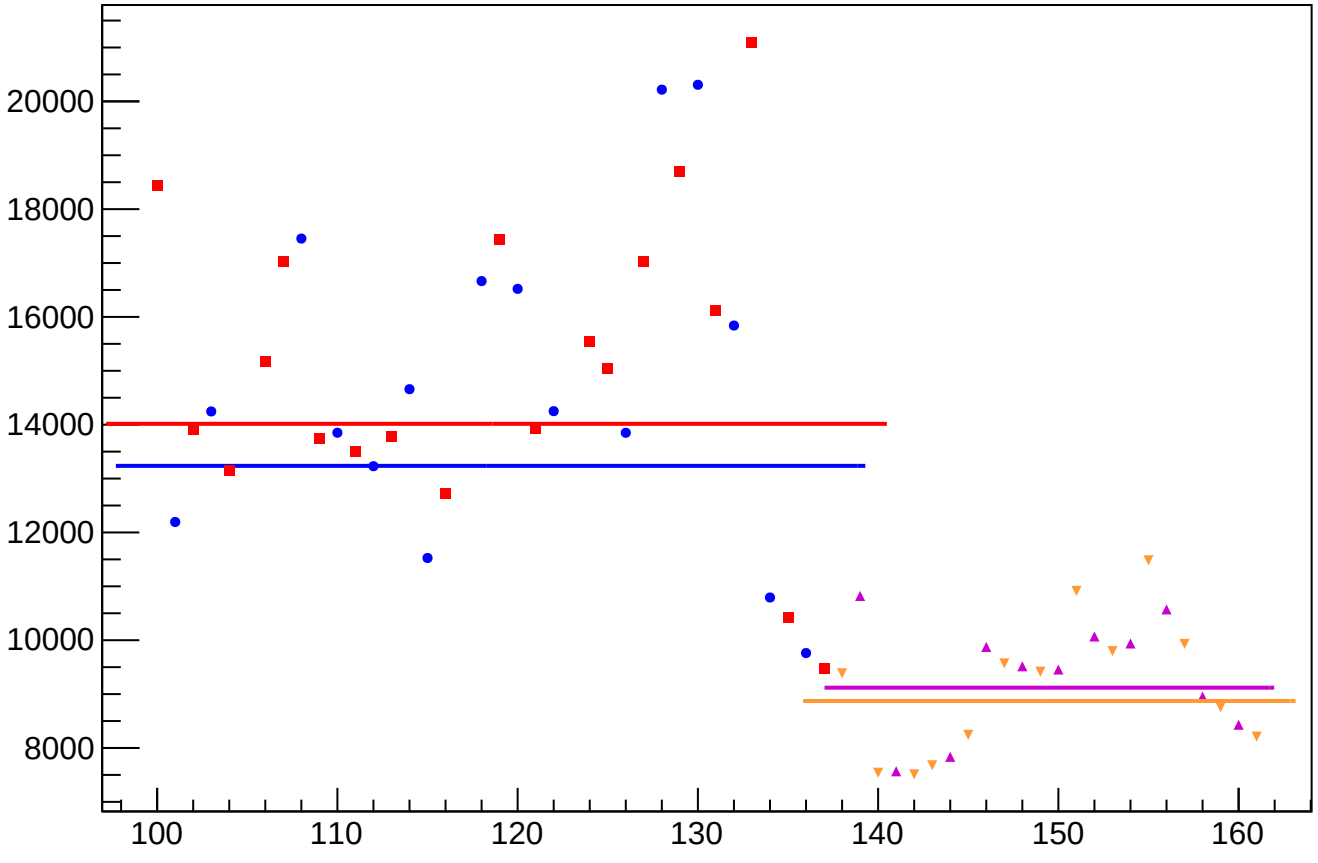
Left In: -0.915+/-2.976 χ^2/NDF:10.2/10

+ sign -11.545+/-2.443 χ^2/NDF: 53.9/28

All: -7.671+/-1.776 χ^2/NDF: 85.8/58

- sign -3.331+/-2.586 χ^2/NDF: 26.6/29

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8872.314+/-1.972 χ^2/NDF:335888.0/12

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

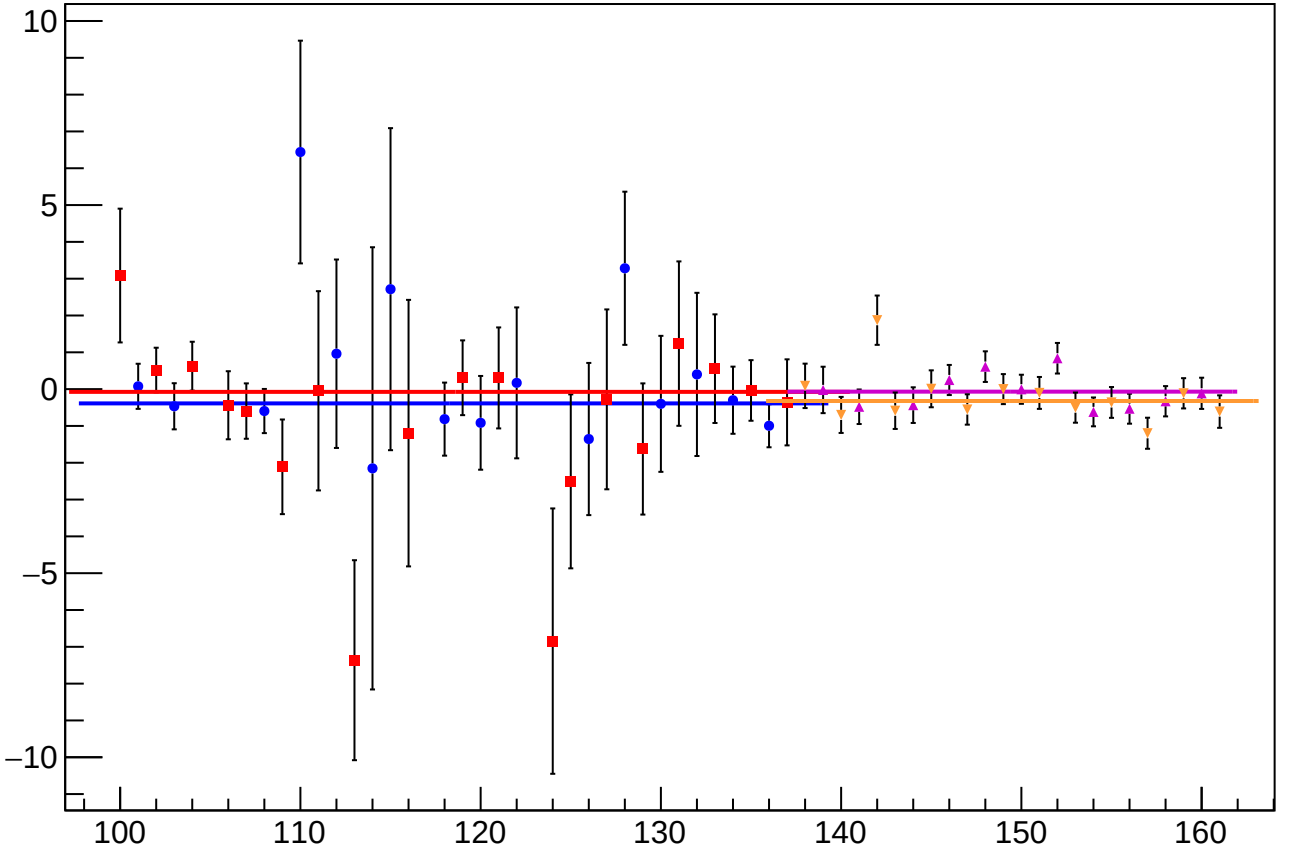
Left In: 9118.985+/-2.104 χ^2/NDF:248984.6/10

+ sign 9886.076+/-1.728 χ^2/NDF: 2147378.2/28

All: 10089.574+/-1.256 χ^2/NDF: 4249977.3/5

- sign 10317.540+/-1.829 χ^2/NDF: 2073185.5/29

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.323+/-0.126 χ^2/NDF:18.9/12

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

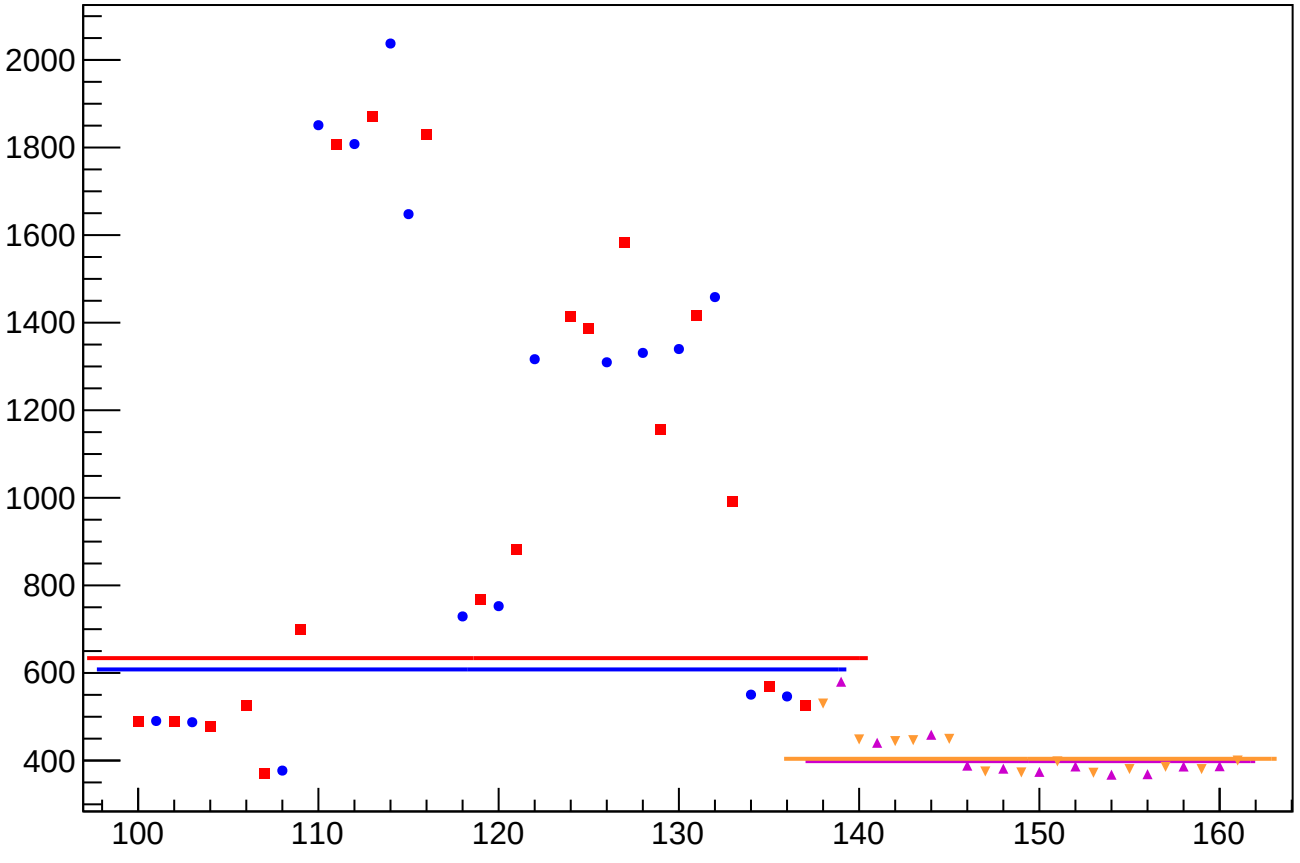
Left In: -0.069+/-0.130 χ^2/NDF:13.1/10

+ sign -0.336+/-0.113 χ^2/NDF: 30.6/28

All: -0.207+/-0.081 χ^2/NDF: 68.1/58

- sign -0.070+/-0.117 χ^2/NDF: 34.8/29

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 403.968+/-0.089 χ^2/NDF:192949.9/12

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

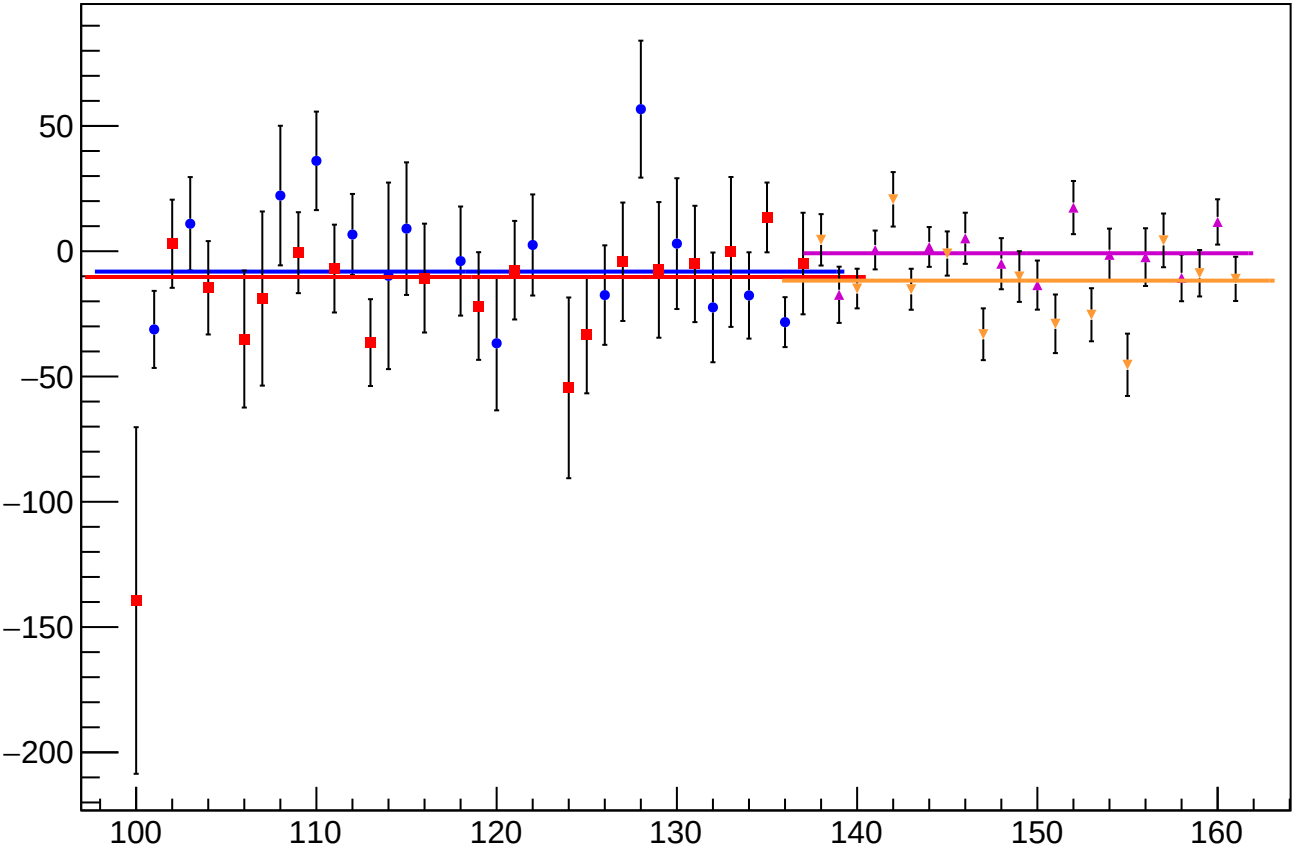
Left In: 398.627+/-0.092 χ^2/NDF:252938.1/10

+ sign 443.959+/-0.080 χ^2/NDF: 4070172.5/28

All: 444.134+/-0.057 χ^2/NDF: 8386258.2/58

- sign 444.320+/-0.082 χ^2/NDF: 4316075.8/29

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -11.731+/-2.704 χ^2/NDF:31.1/12

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

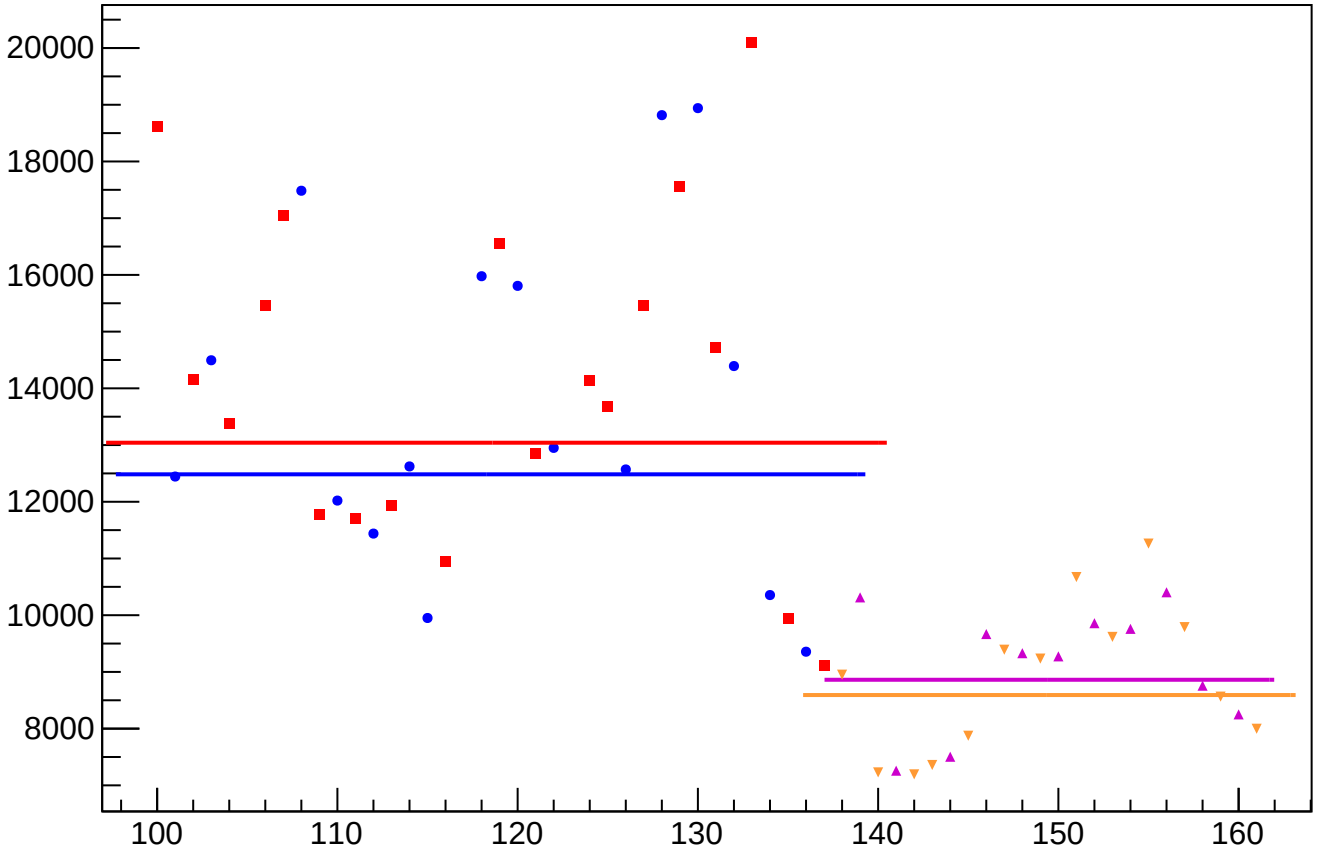
Left In: -0.812+/-2.894 χ^2/NDF:10.5/10

+ sign -10.858+/-2.353 χ^2/NDF: 54.6/28

All: -7.281+/-1.710 χ^2/NDF: 86.5/58

- sign -3.282+/-2.488 χ^2/NDF: 27.0/29

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8592.303+/-1.912 χ^2/NDF:381984.4/12

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

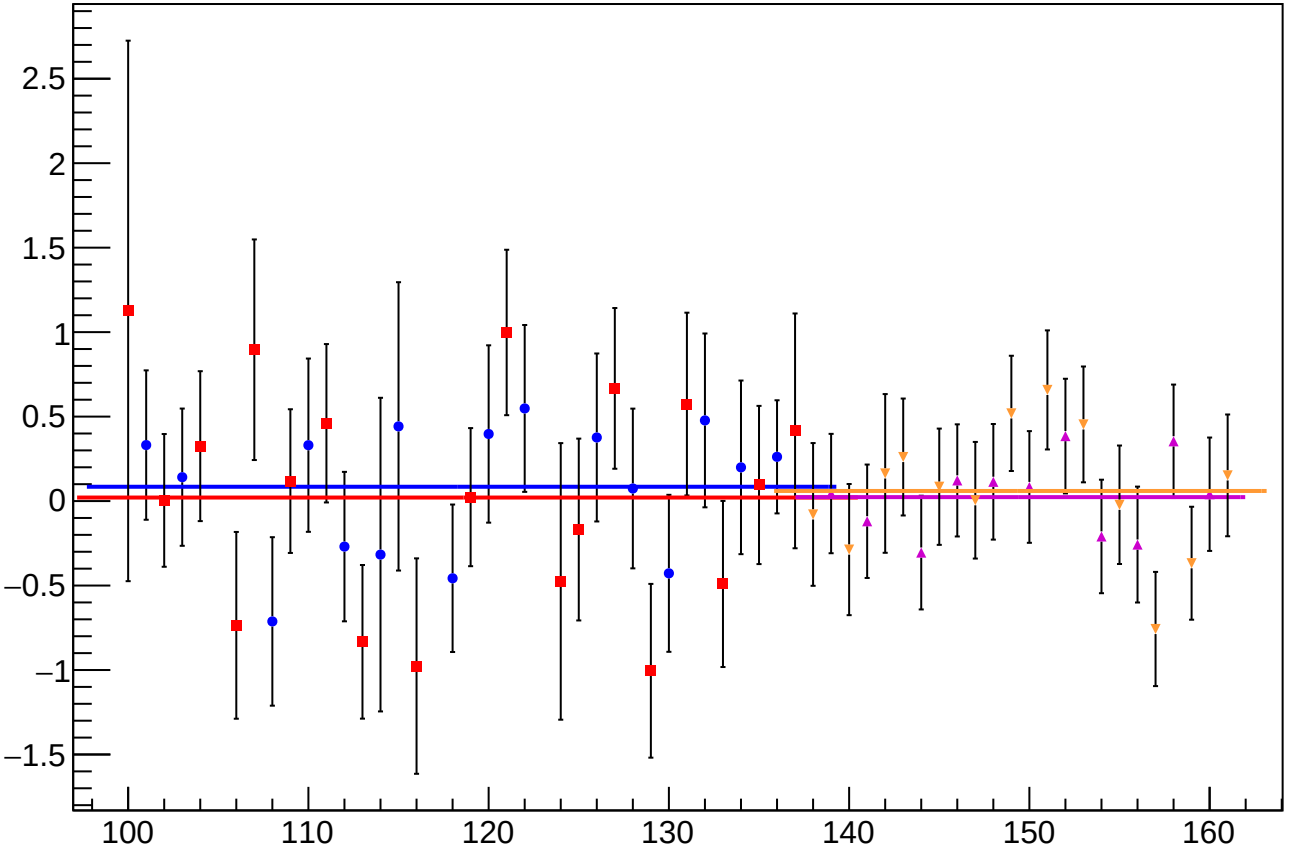
Left In: 8861.641+/-2.046 χ^2/NDF:275459.3/10

+ sign 9536.023+/-1.664 χ^2/NDF: 2058140.2/28

All: 9732.043+/-1.209 χ^2/NDF: 3995078.7/58

- sign 9951.153+/-1.759 χ^2/NDF: 1907554.2/29

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.060+/-0.100 χ^2/NDF:14.9/12

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

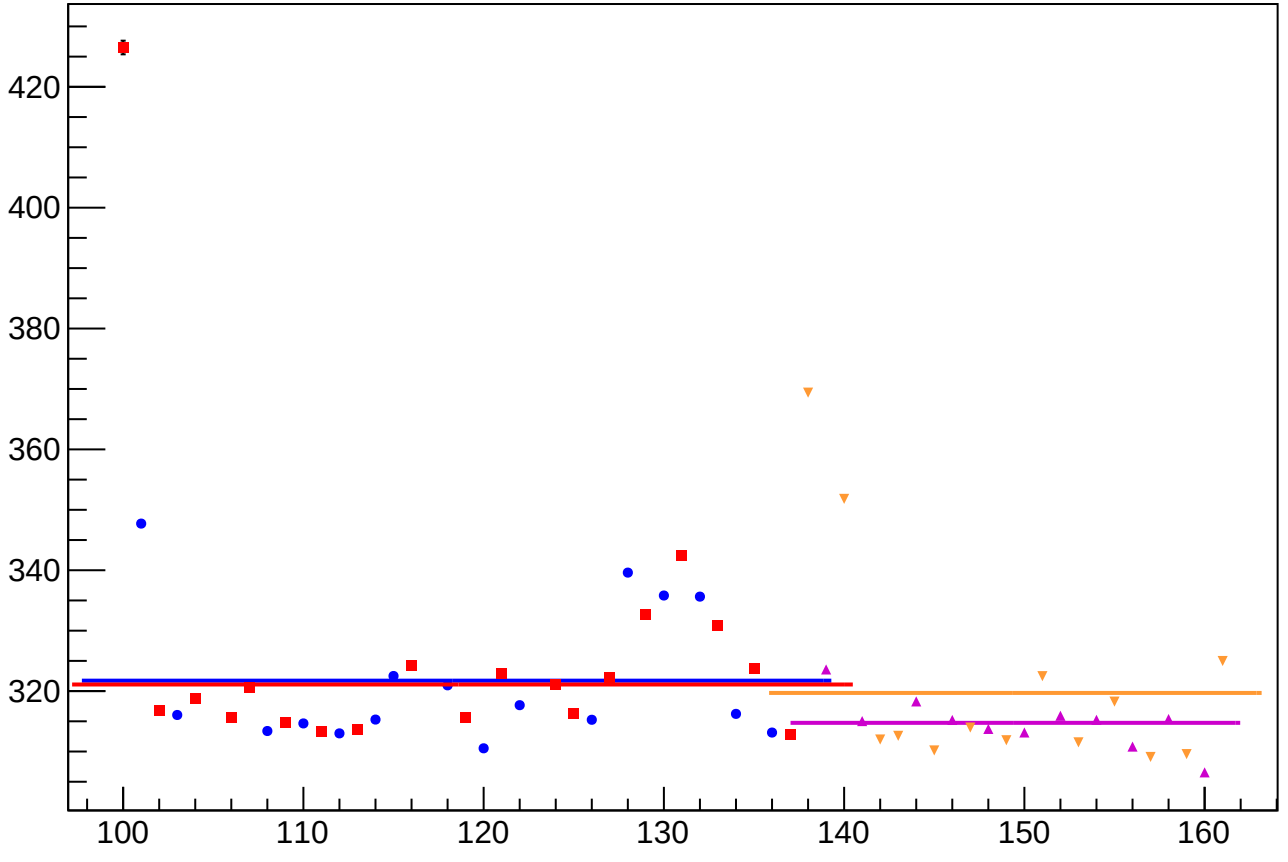
Left In: 0.023+/-0.102 χ^2/NDF:4.6/10

+ sign 0.070+/-0.077 χ^2/NDF: 24.3/28

All: 0.046+/-0.054 χ^2/NDF: 53.4/58

- sign 0.022+/-0.077 χ^2/NDF: 28.9/29

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 319.696+/-0.070 χ^2/NDF:51398.8/12

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

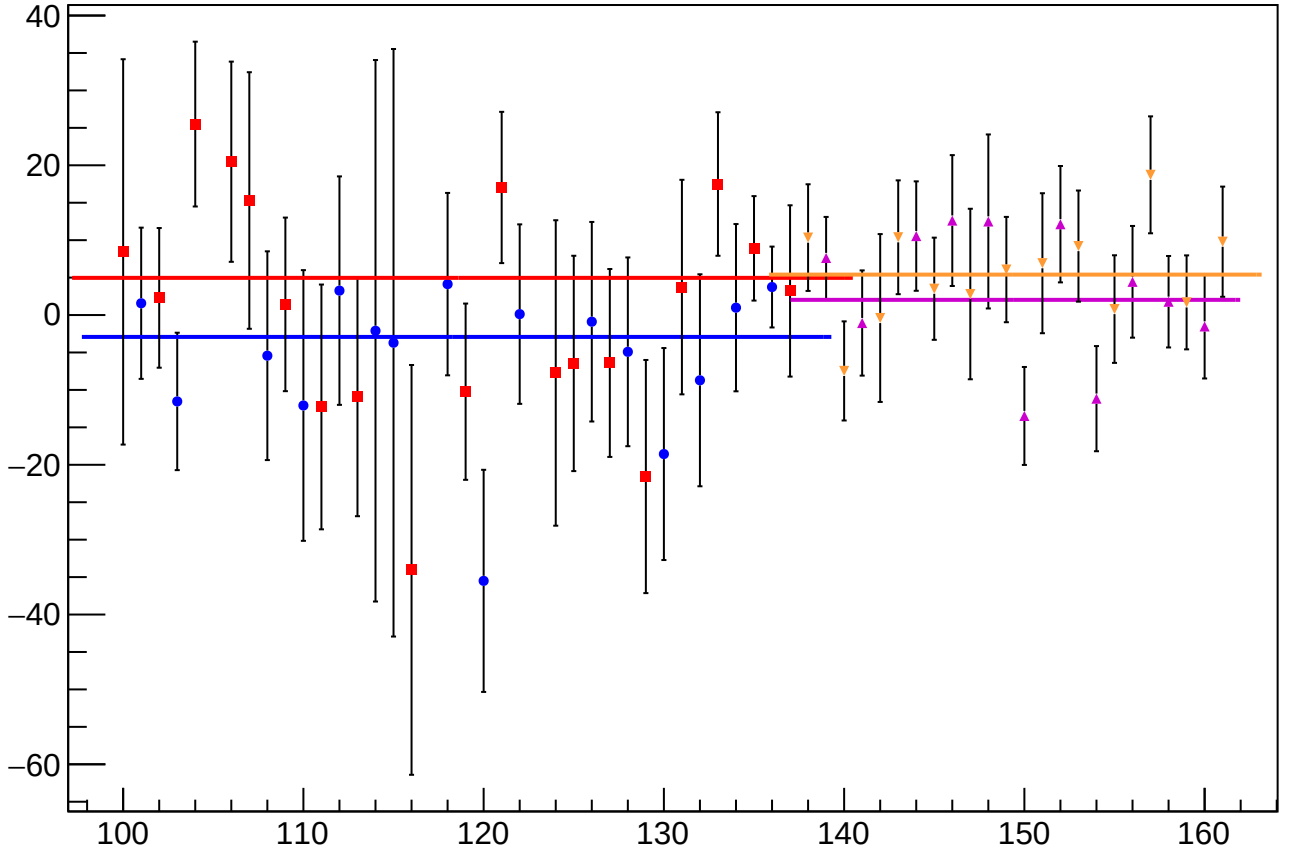
Left In: 314.747+/-0.072 χ^2/NDF:3034.1/10

+ sign 320.524+/-0.054 χ^2/NDF: 69951.9/28

All: 319.003+/-0.038 χ^2/NDF: 94473.0/58

- sign 317.471+/-0.054 χ^2/NDF: 22942.8/29

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 5.400+/-2.101 χ^2/NDF:9.4/12

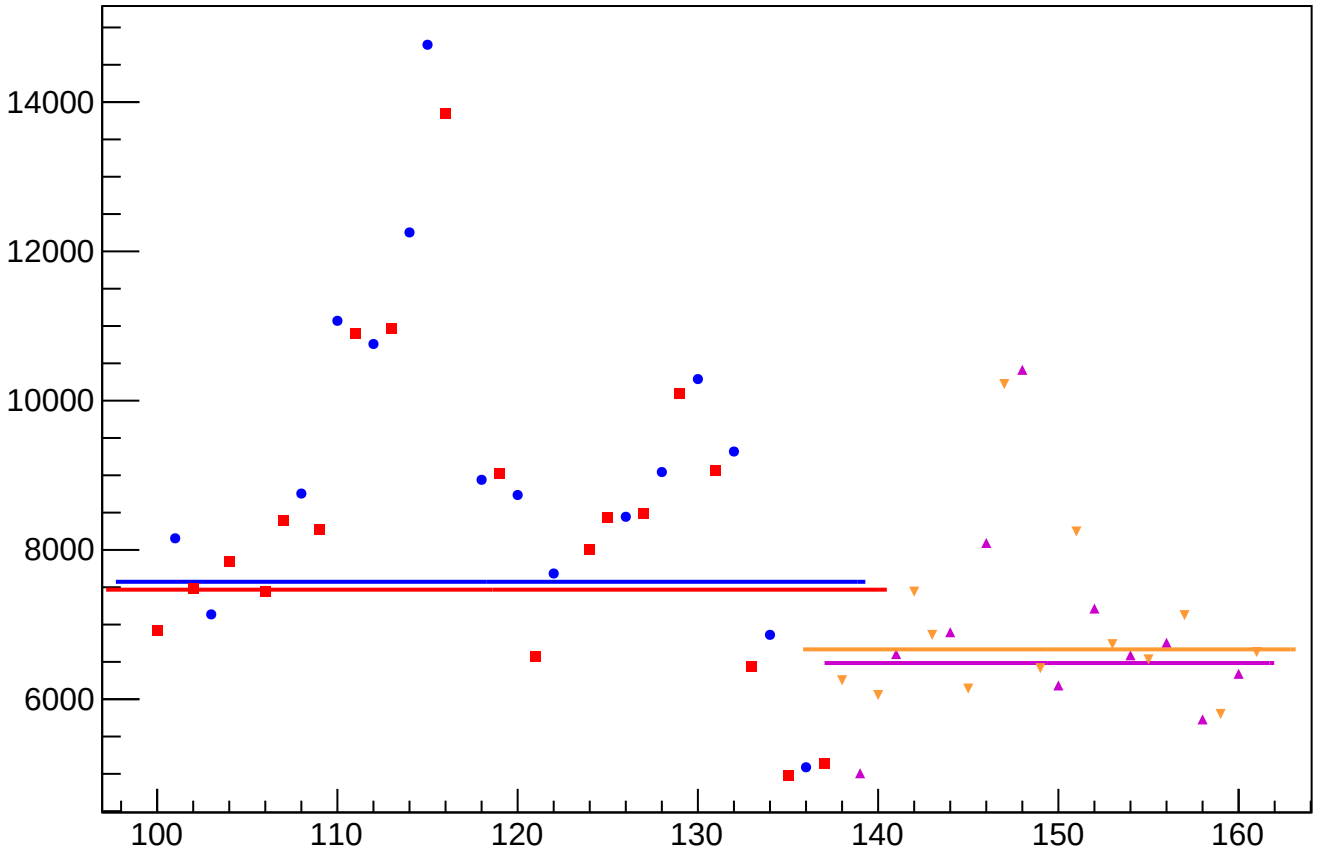
Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: 2.029+/-2.140 χ^2/NDF:16.1/10

+ sign 2.548+/-1.704 χ^2/NDF: 24.6/28

All: 2.824+/-1.205 χ^2/NDF: 60.9/58

- sign 3.100+/-1.705 χ^2/NDF: 36.2/29



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6667.704+/-1.486 χ^2/NDF:346875.3/12

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

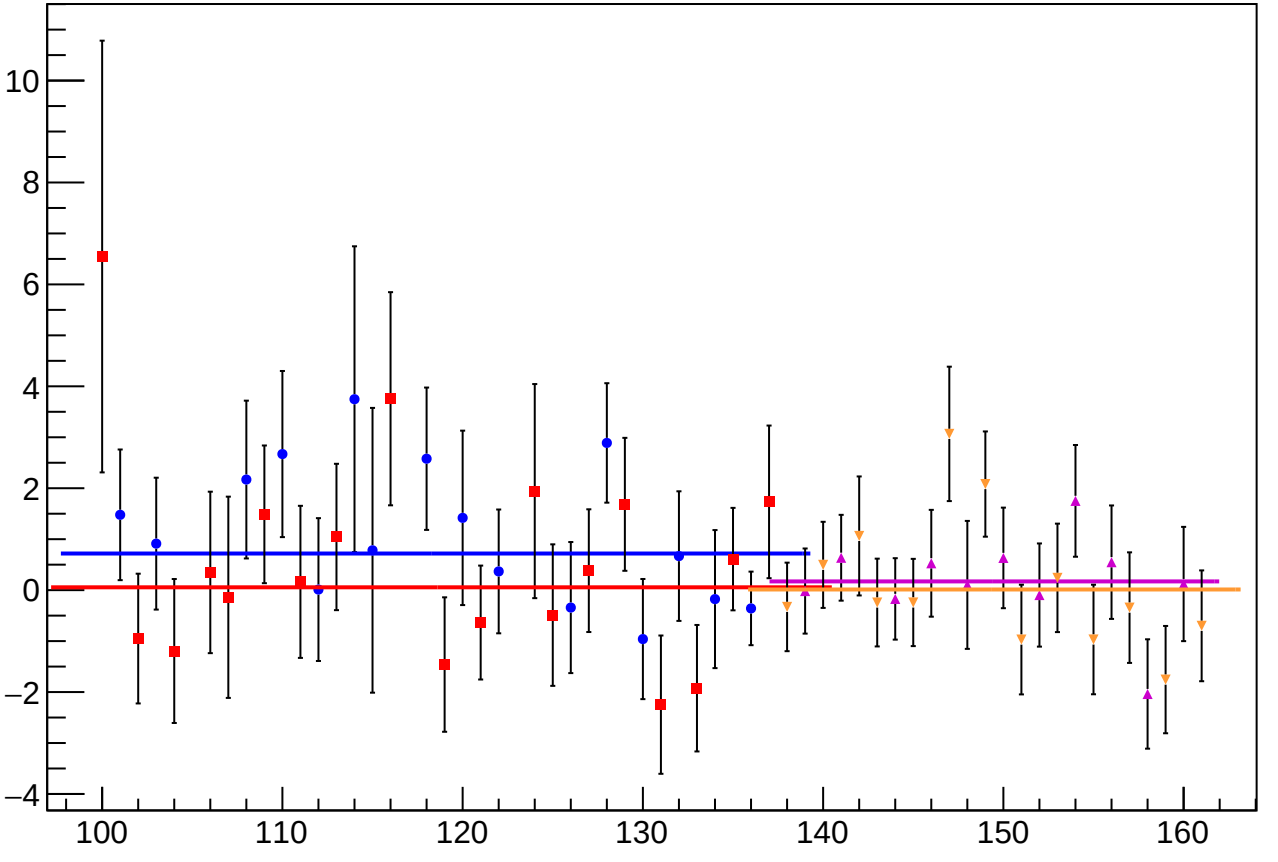
Left In: 6484.869+/-1.513 χ^2/NDF:504924.3/10

+ sign 6978.012+/-1.205 χ^2/NDF: 1371709.7/28

All: 6910.677+/-0.852 χ^2/NDF: 2865077.7/58

- sign 6843.212+/-1.206 χ^2/NDF: 1487113.9/29

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.013+/-0.278 χ^2/NDF:15.9/12

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

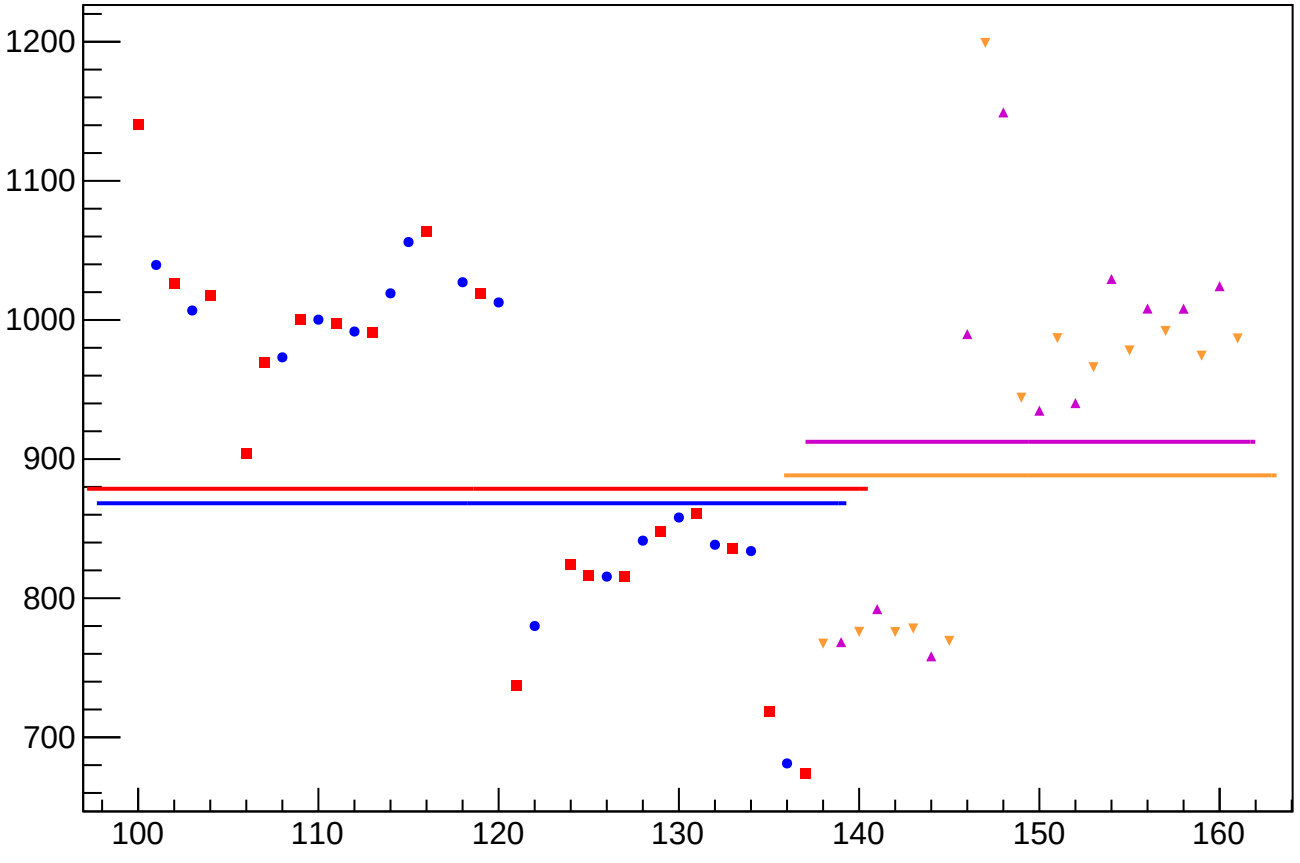
Left In: 0.171+/-0.298 χ^2/NDF:7.4/10

+ sign 0.311+/-0.212 χ^2/NDF: 33.4/28

All: 0.218+/-0.152 χ^2/NDF: 61.1/58

- sign 0.118+/-0.219 χ^2/NDF: 27.3/29

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 888.311+/-0.197 χ^2/NDF:370556.0/12

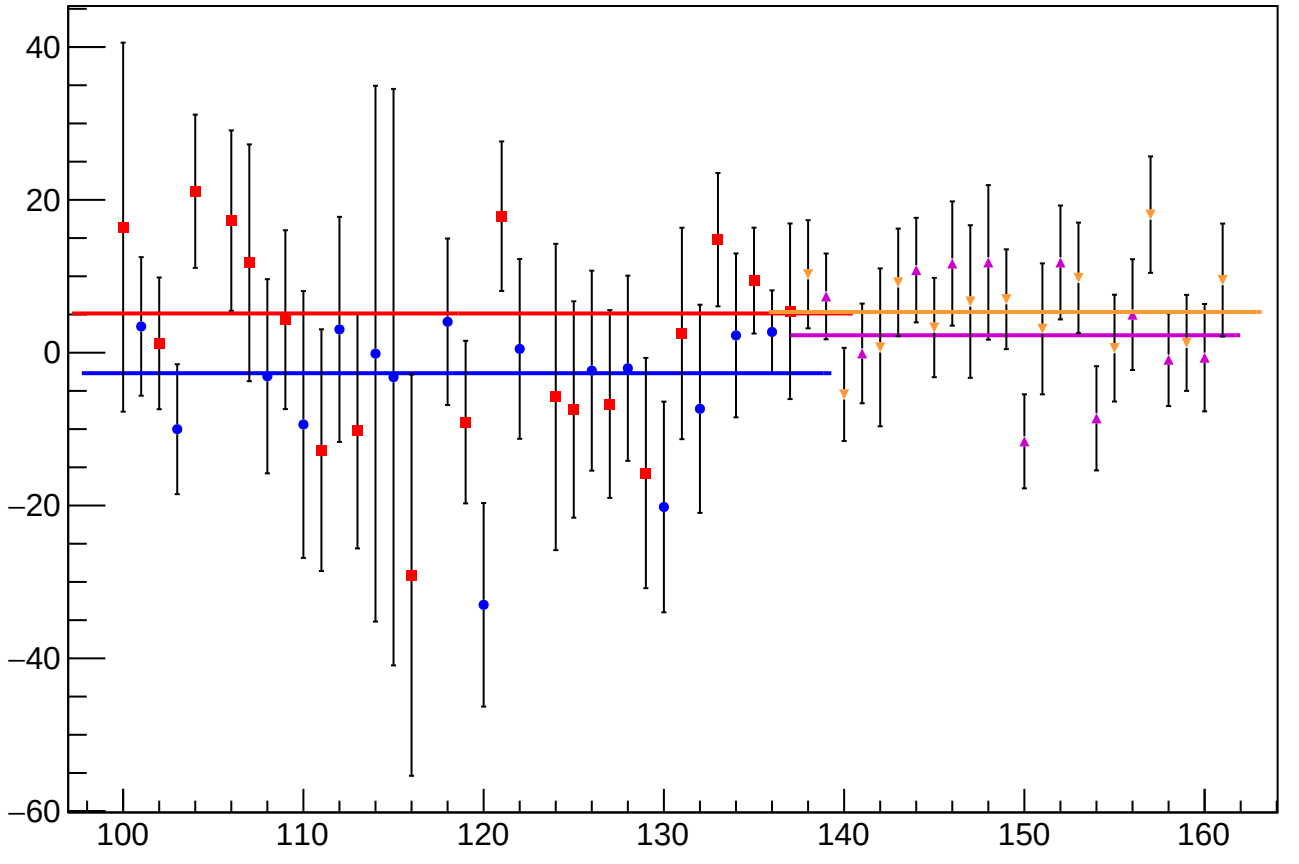
Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 912.435+/-0.211 χ^2/NDF:332707.7/10

+ sign 879.846+/-0.150 χ^2/NDF: 677344.1/28

All: 888.090+/-0.108 χ^2/NDF: 1300663.0/58

- sign 896.922+/-0.155 χ^2/NDF: 617038.3/29



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 5.329+/-2.010 χ^2/NDF:8.7/12

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

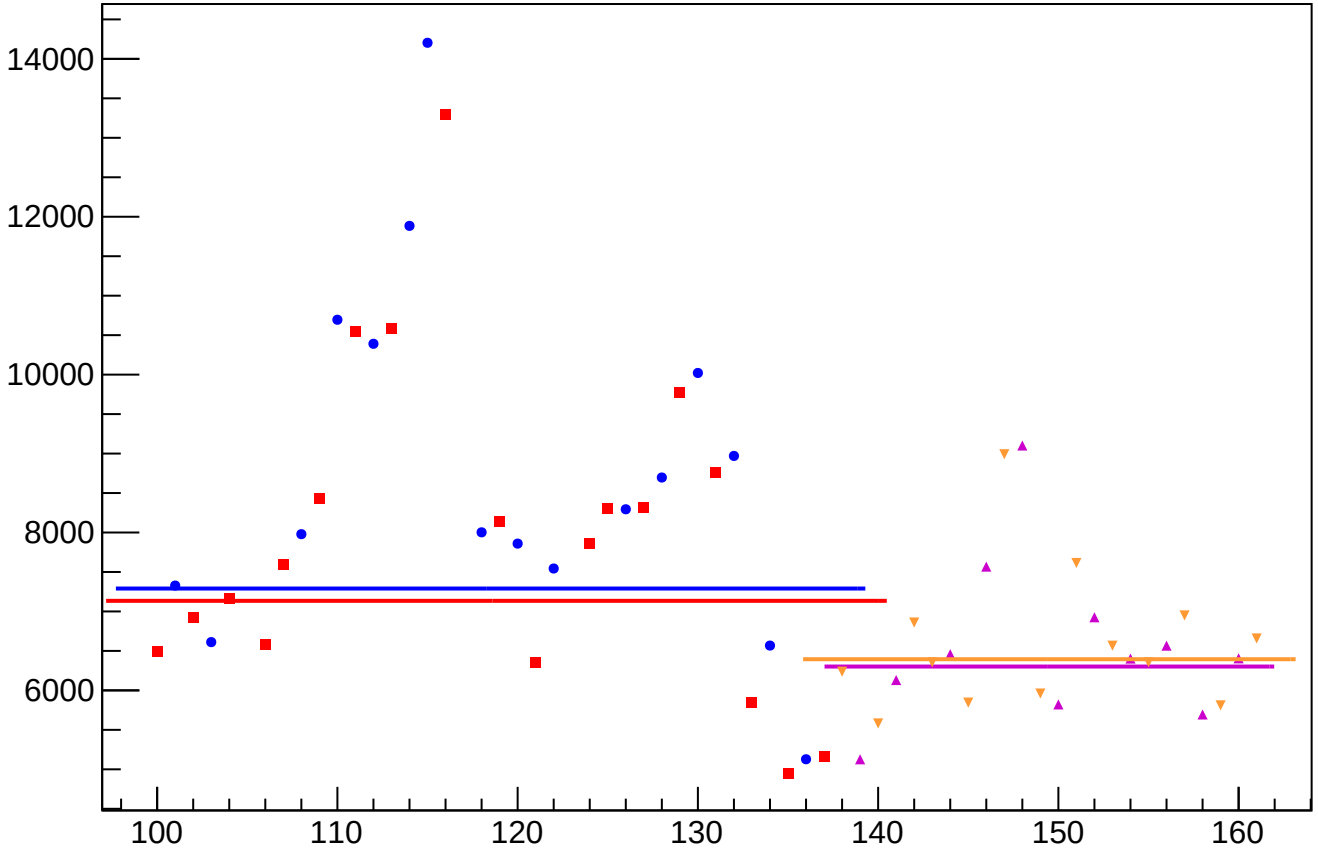
Left In: 2.282+/-2.068 χ^2/NDF:14.6/10

+ sign 2.590+/-1.630 χ^2/NDF: 24.2/28

All: 2.963+/-1.156 χ^2/NDF: 56.9/58

- sign 3.341+/-1.640 χ^2/NDF: 32.5/29

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6394.851+/-1.421 χ^2/NDF:271156.7/12

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

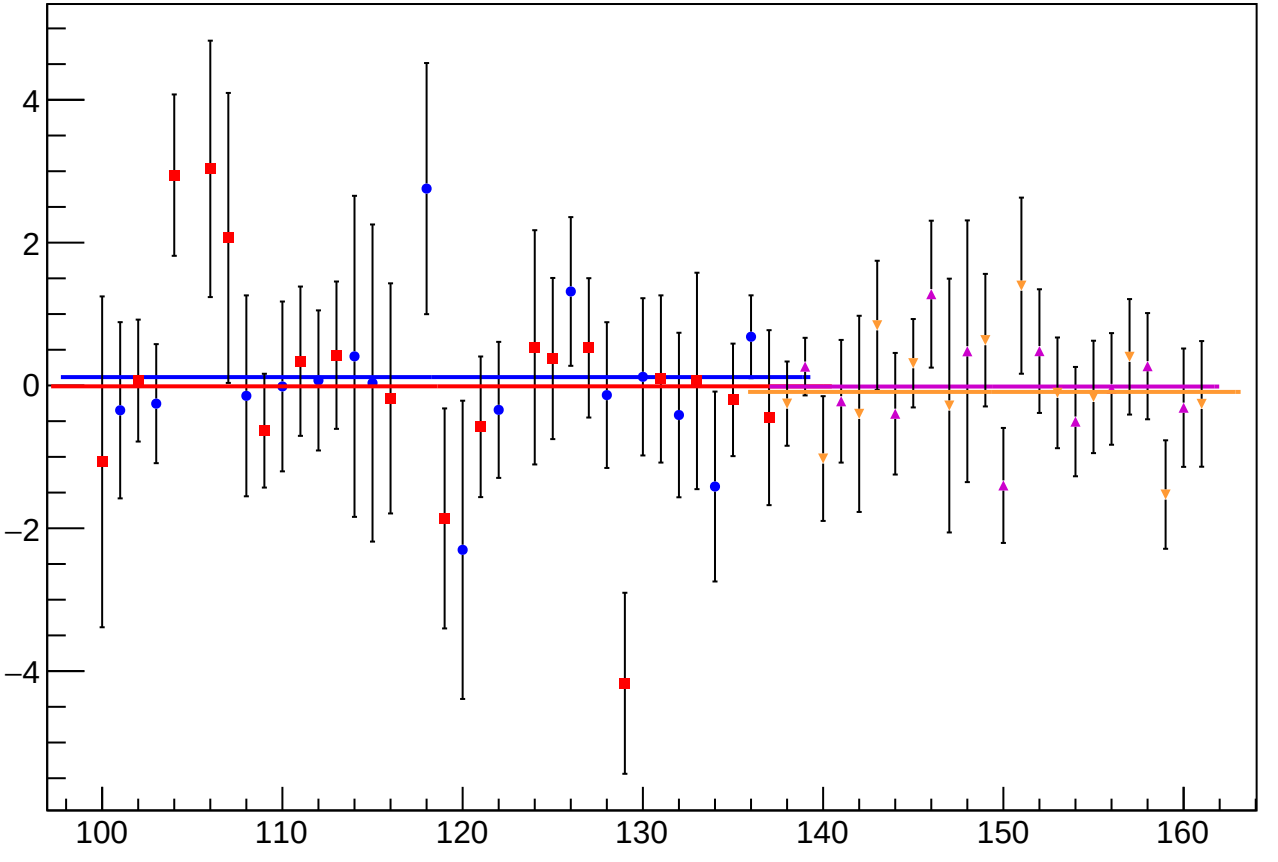
Left In: 6302.004+/-1.462 χ^2/NDF:341692.1/10

+ sign 6700.960+/-1.153 χ^2/NDF: 1177421.0/28

All: 6656.213+/-0.818 χ^2/NDF: 2435198.2/58

- sign 6610.933+/-1.160 χ^2/NDF: 1254745.6/29

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.090+/-0.232 χ^2/NDF:8.8/12

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

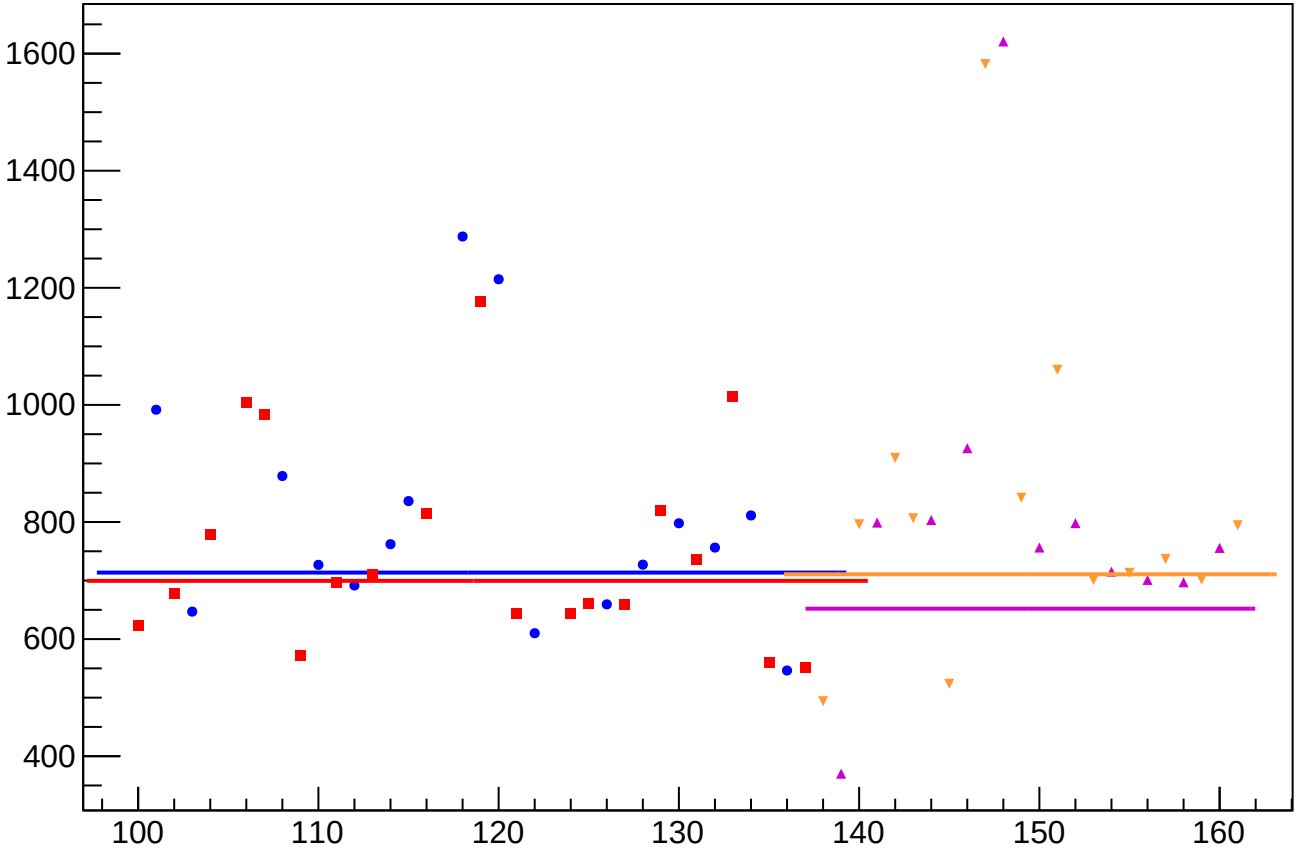
Left In: -0.015+/-0.226 χ^2/NDF:6.4/10

+ sign -0.003+/-0.177 χ^2/NDF: 17.3/28

All: -0.009+/-0.123 χ^2/NDF: 48.8/58

- sign -0.014+/-0.171 χ^2/NDF: 31.5/29

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 710.713+/-0.164 χ^2/NDF:1238558.9/12

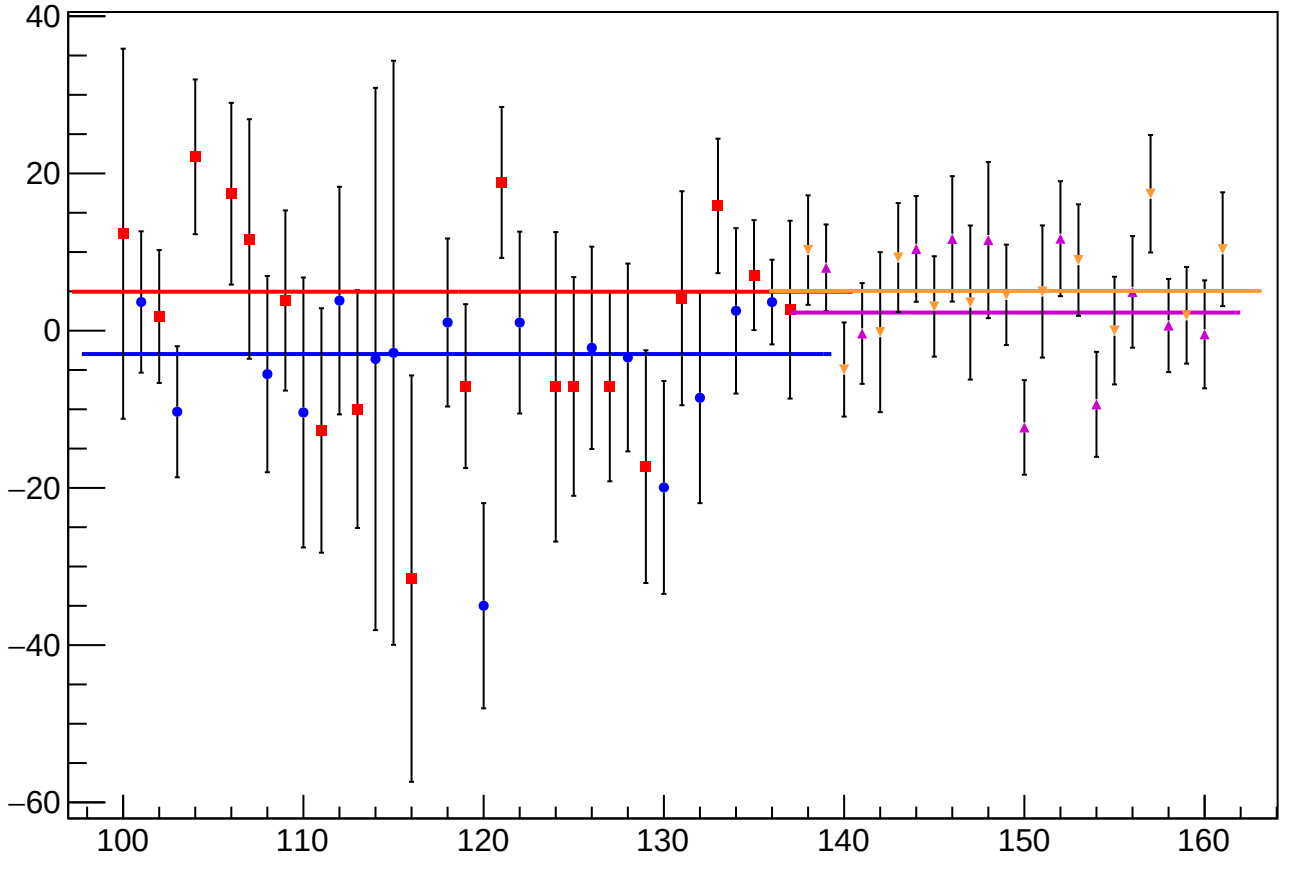
Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 651.990+/-0.160 χ^2/NDF:1950114.5/10

+ sign 711.936+/-0.125 χ^2/NDF: 1937994.9/28

All: 691.394+/-0.087 χ^2/NDF: 4553600.6/58

- sign 672.135+/-0.121 χ^2/NDF: 2563413.2/29



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 5.057+/-1.972 χ^2/NDF:8.5/12

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

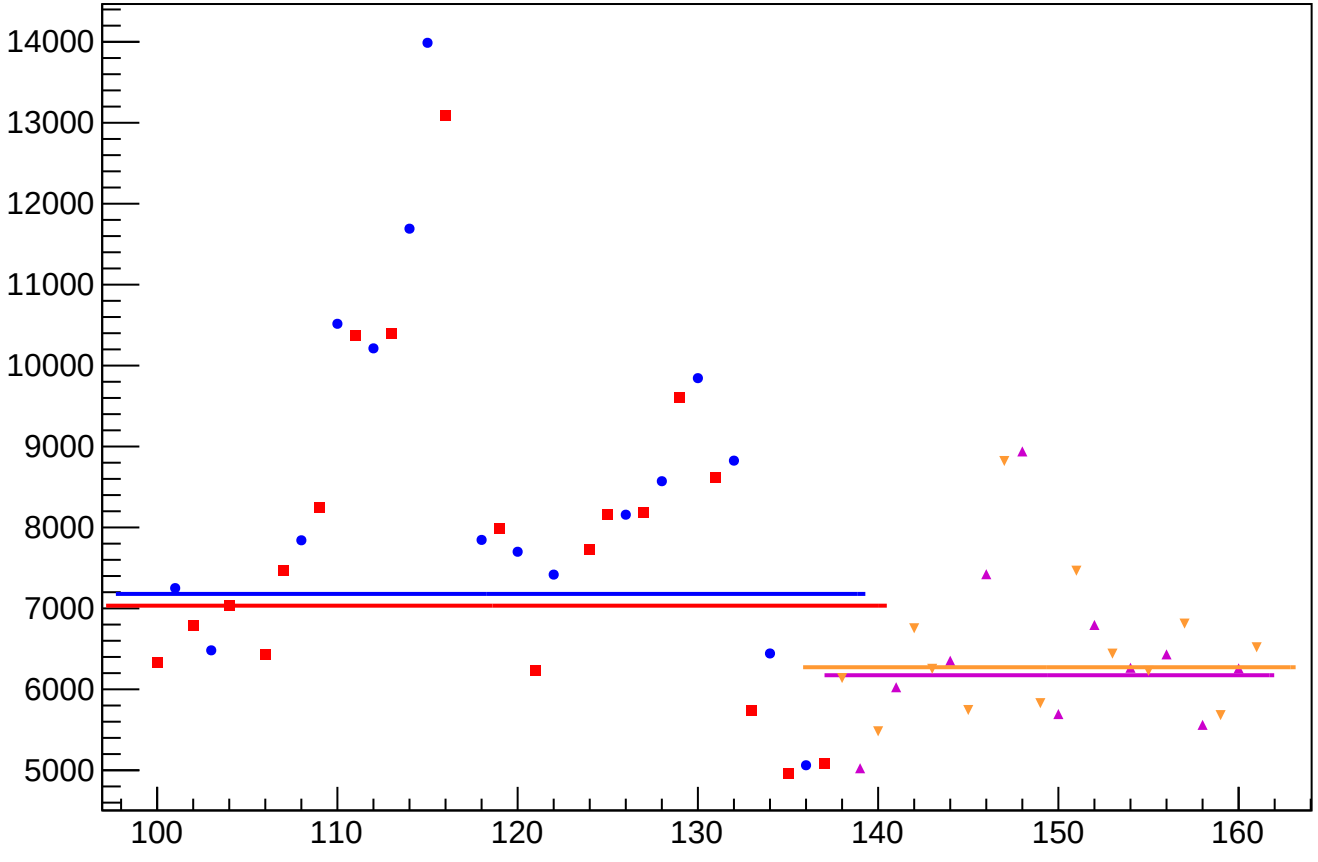
Left In: 2.305+/-2.026 χ^2/NDF:15.9/10

+ sign 2.326+/-1.602 χ^2/NDF: 25.7/28

All: 2.801+/-1.136 χ^2/NDF: 60.9/58

- sign 3.282+/-1.610 χ^2/NDF: 35.0/29

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6272.961+/-1.394 χ^2/NDF:271446.3/12

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

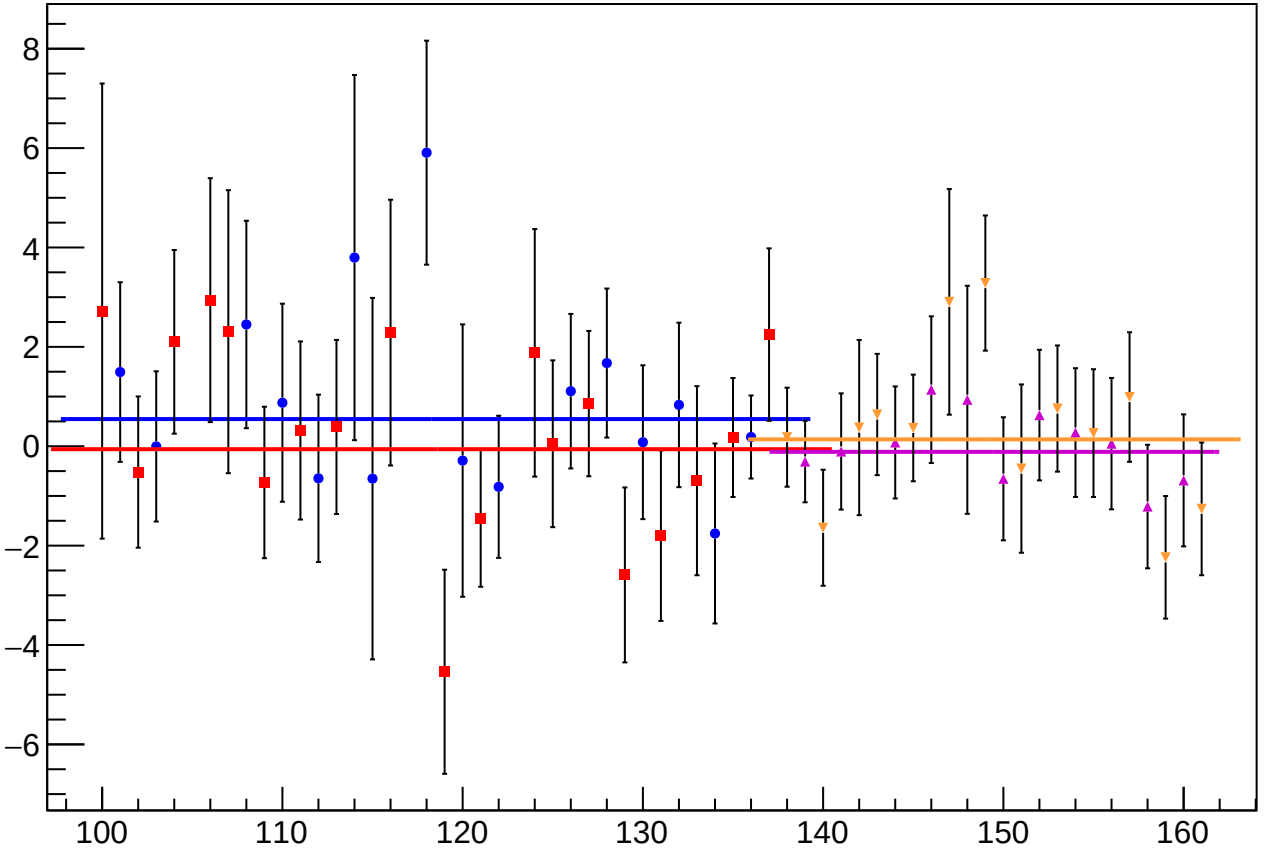
Left In: 6174.107+/-1.433 χ^2/NDF:345461.5/10

+ sign 6581.114+/-1.132 χ^2/NDF: 1177026.8/28

All: 6536.185+/-0.803 χ^2/NDF: 2424578.0/58

- sign 6490.754+/-1.139 χ^2/NDF: 1244385.7/29

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.139+/-0.360 χ^2/NDF:15.0/12

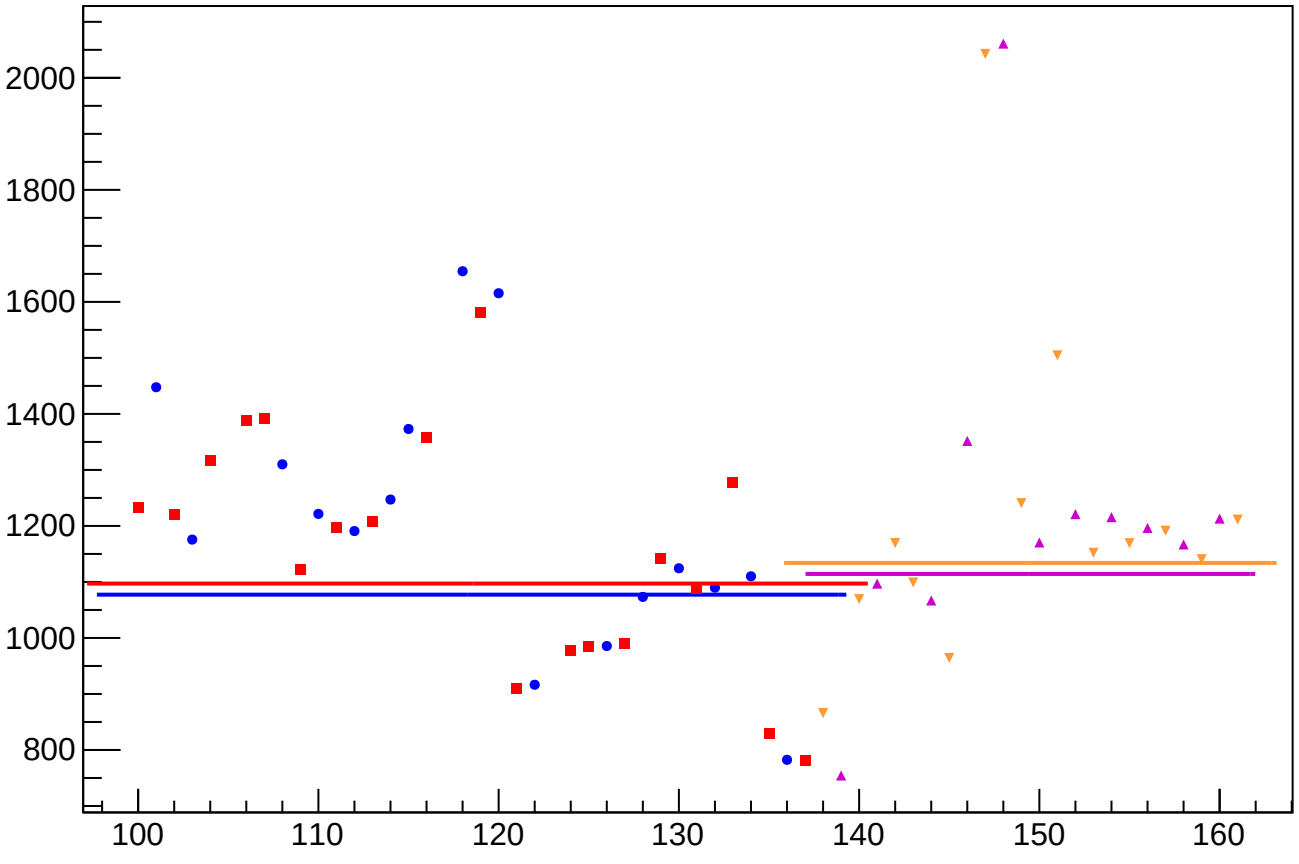
Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.113+/-0.371 χ^2/NDF:2.6/10

+ sign 0.316+/-0.271 χ^2/NDF: 27.5/28

All: 0.117+/-0.193 χ^2/NDF: 48.0/58

- sign -0.089+/-0.275 χ^2/NDF: 19.5/29



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1133.980+/-0.255 χ^2/NDF:644614.4/12

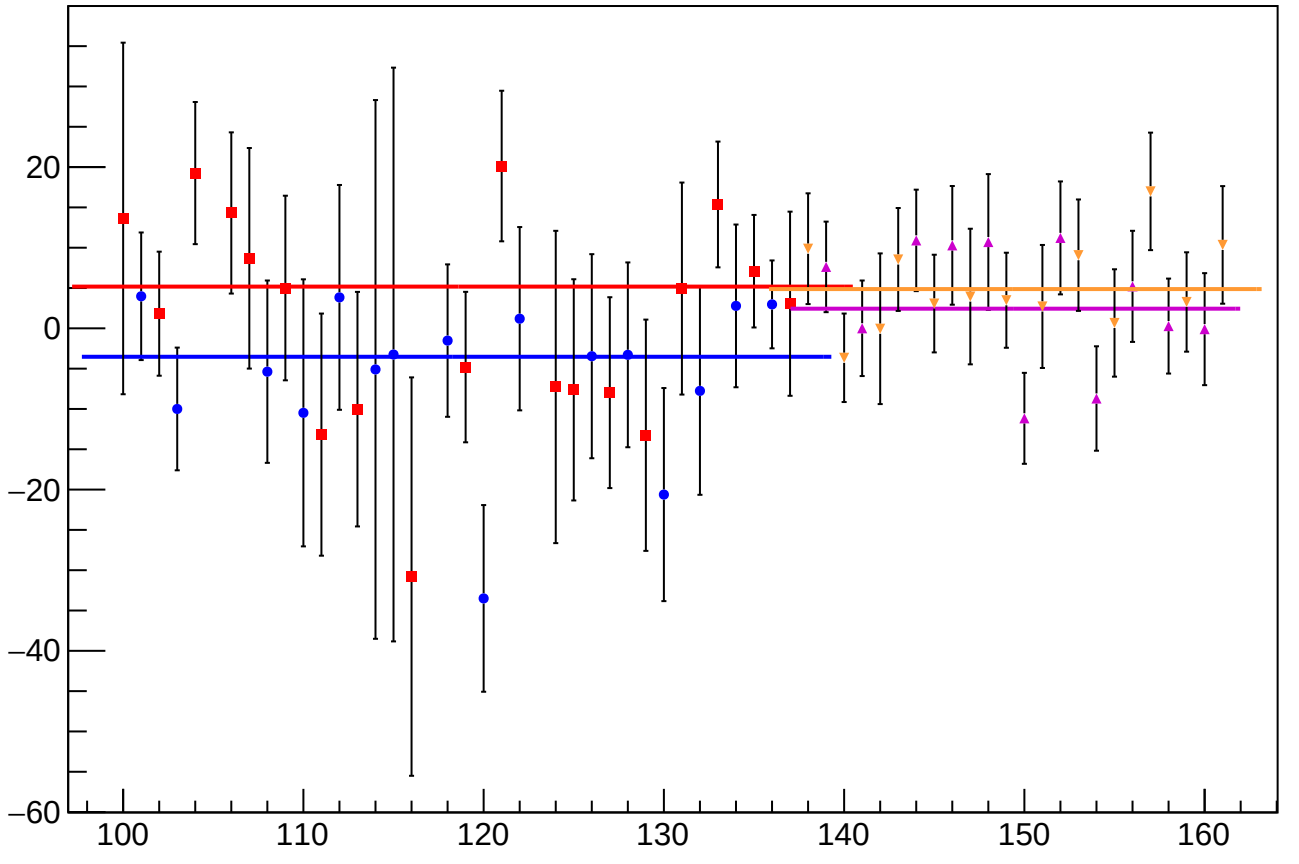
Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1114.287+/-0.262 χ^2/NDF:833211.3/10

+ sign 1109.370+/-0.191 χ^2/NDF: 1312664.5/28

All: 1107.971+/-0.136 χ^2/NDF: 2632291.9/58

- sign 1106.531+/-0.194 χ^2/NDF: 1319519.0/29



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.870+/-1.873 χ^2/NDF:8.0/12

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

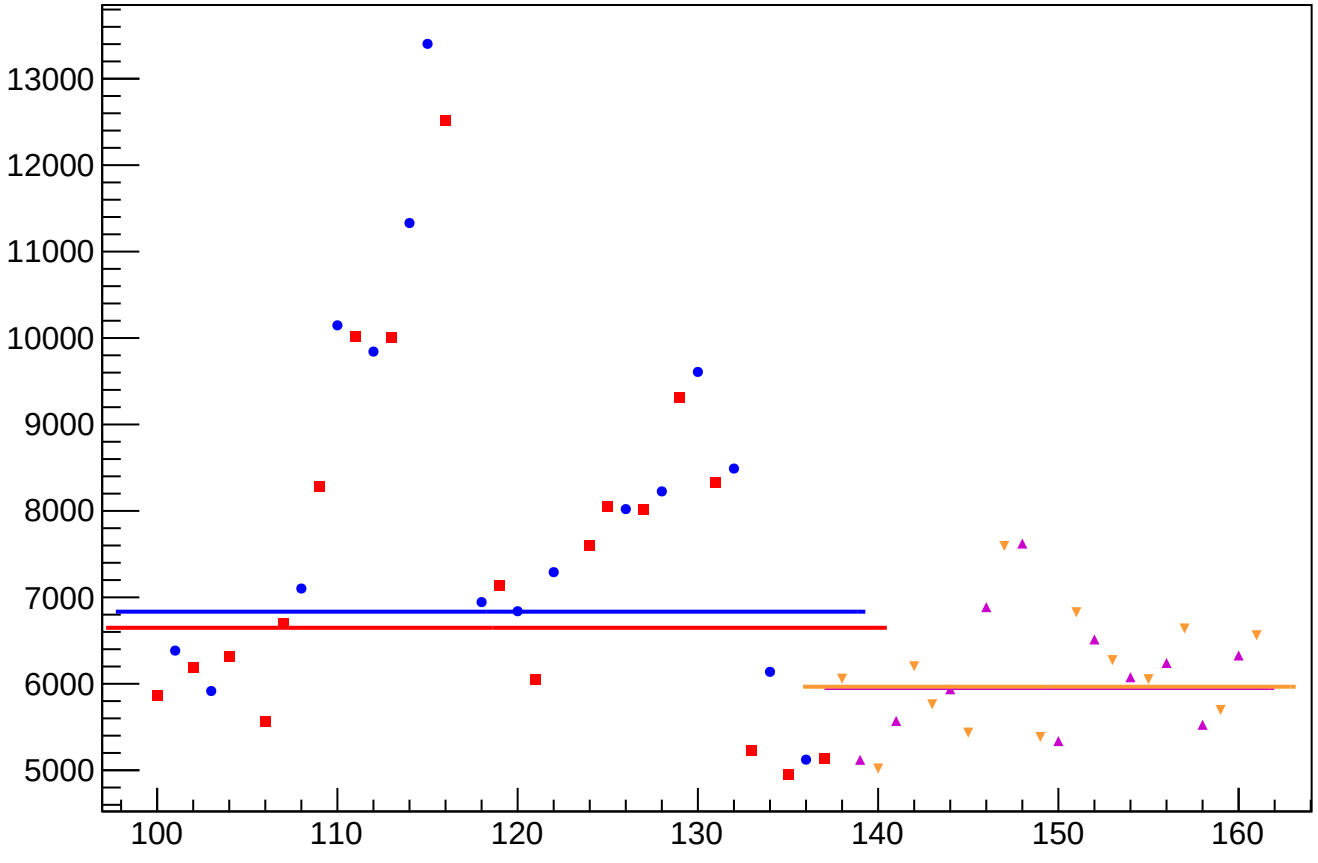
Left In: 2.437+/-1.945 χ^2/NDF:15.7/10

\+ sign 2.014+/-1.521 χ^2/NDF: 27.4/28

All: 2.732+/-1.081 χ^2/NDF: 62.5/58

\- sign 3.466+/-1.537 χ^2/NDF: 34.6/29

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5966.288+/-1.324 χ^2/NDF:237012.1/12

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

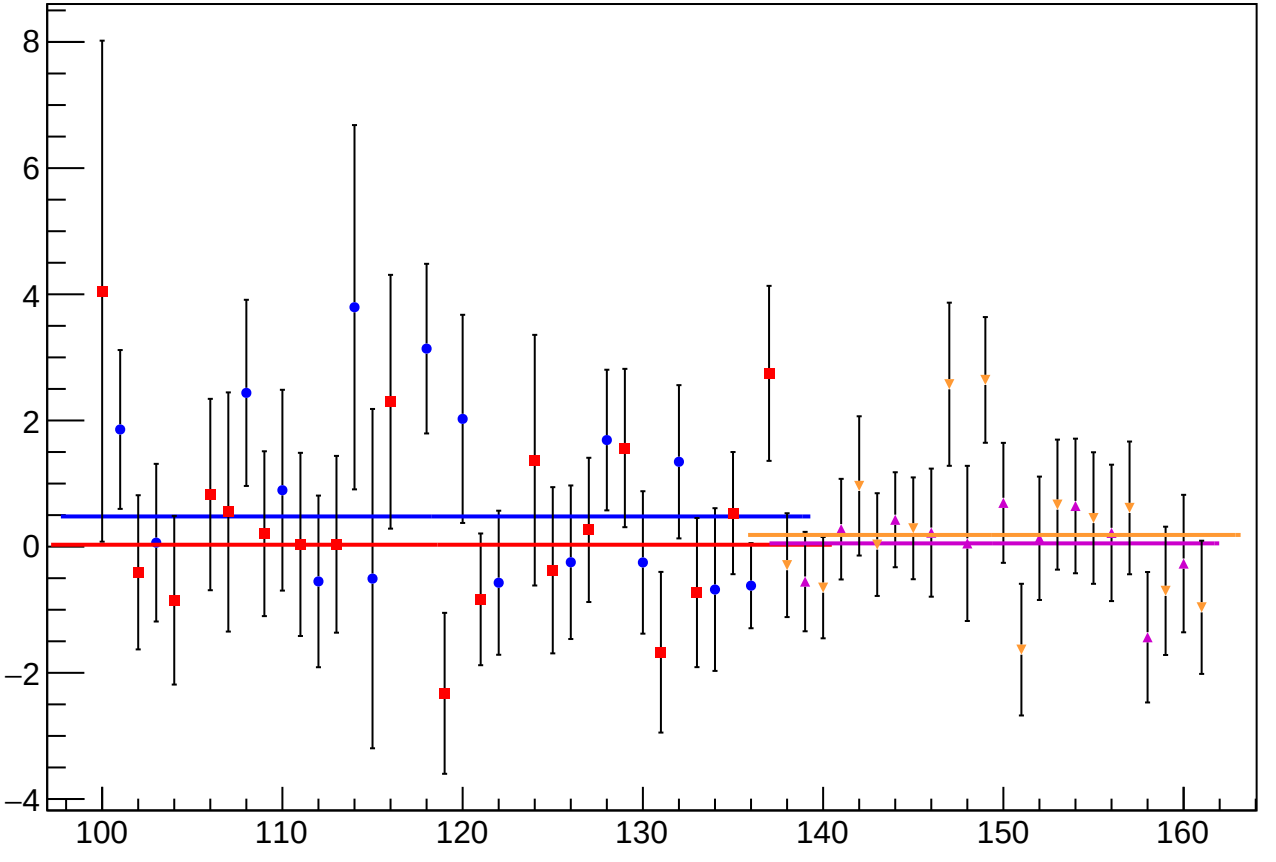
Left In: 5951.513+/-1.376 χ^2/NDF:220197.8/10

+ sign 6261.549+/-1.076 χ^2/NDF: 1075923.2/28

All: 6237.594+/-0.765 χ^2/NDF: 2178532.1/58

- sign 6213.133+/-1.087 χ^2/NDF: 1101606.3/29

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.186+/-0.267 χ^2/NDF:16.9/12

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

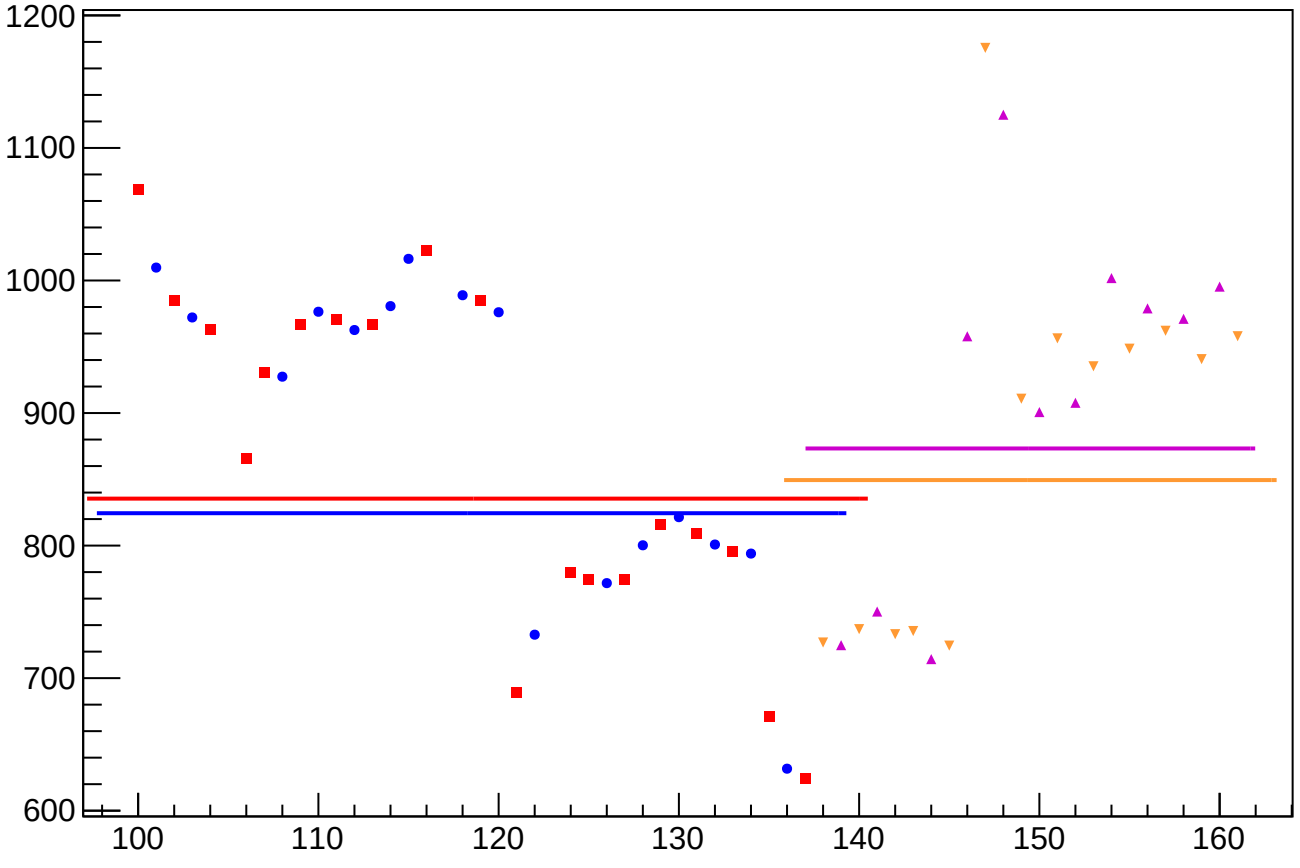
Left In: 0.052+/-0.286 χ^2/NDF:3.9/10

+ sign 0.310+/-0.202 χ^2/NDF: 34.1/28

All: 0.181+/-0.146 χ^2/NDF: 54.6/58

- sign 0.042+/-0.210 χ^2/NDF: 19.6/29

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 849.428+/-0.189 χ^2/NDF:440712.4/12

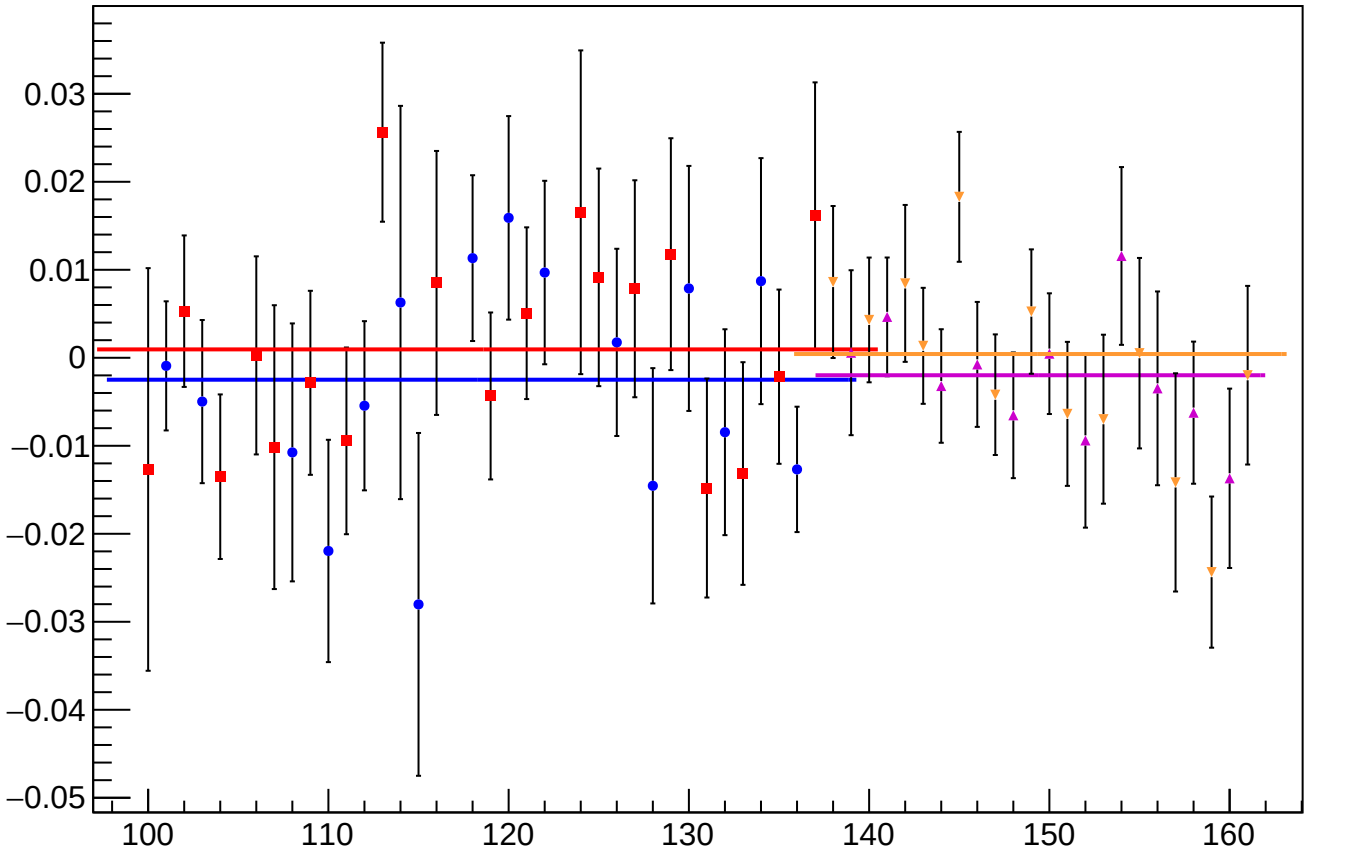
Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 873.270+/-0.202 χ^2/NDF:400764.4/10

+ sign 838.822+/-0.143 χ^2/NDF: 813622.6/28

All: 847.013+/-0.103 χ^2/NDF: 1556661.2/58

- sign 855.800+/-0.148 χ^2/NDF: 736251.6/29



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:19.9/12

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

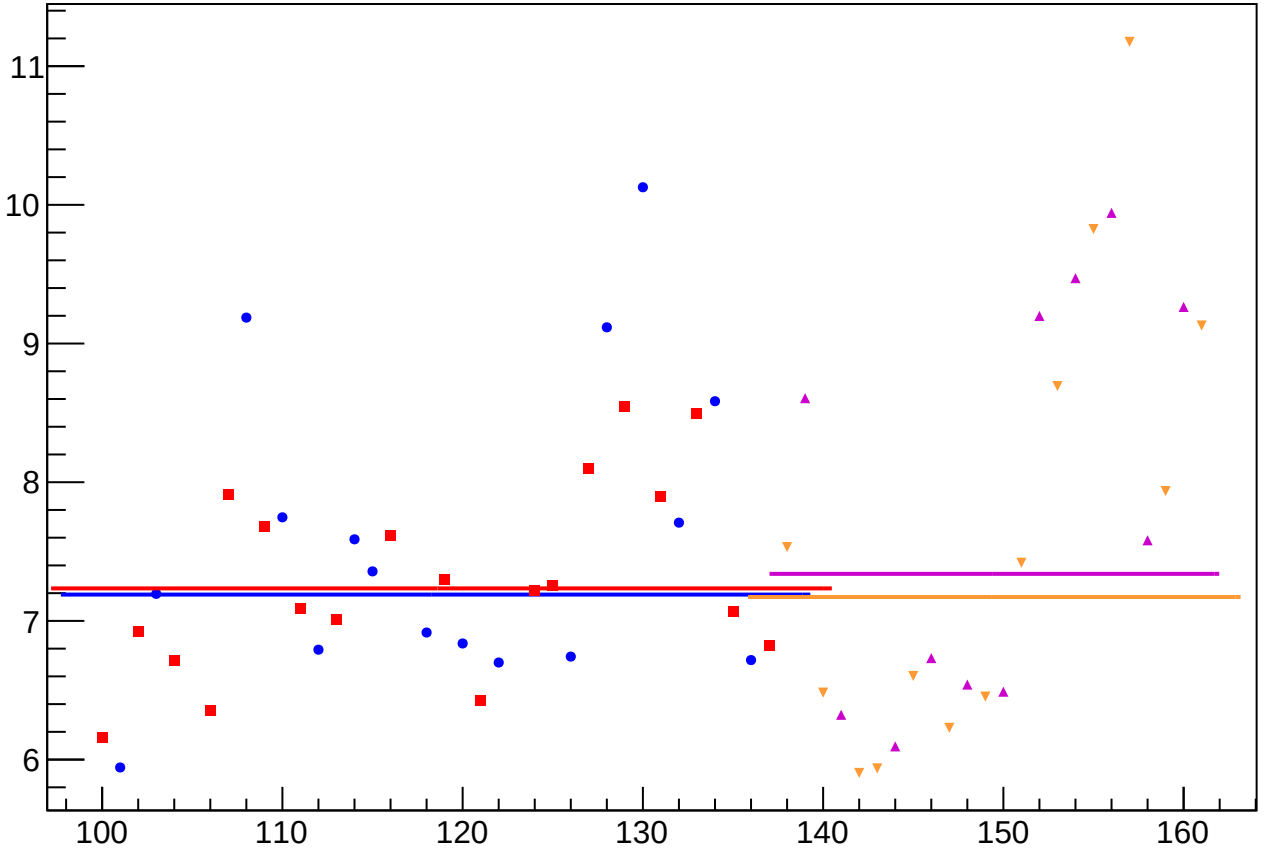
Left In: -0.002+/-0.002 χ^2/NDF:5.6/10

+ sign -0.001+/-0.002 χ^2/NDF: 35.8/28

All: -0.001+/-0.001 χ^2/NDF: 59.4/58

- sign -0.001+/-0.002 χ^2/NDF: 23.6/29

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.172+/-0.002 χ^2/NDF:674399.1/12

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

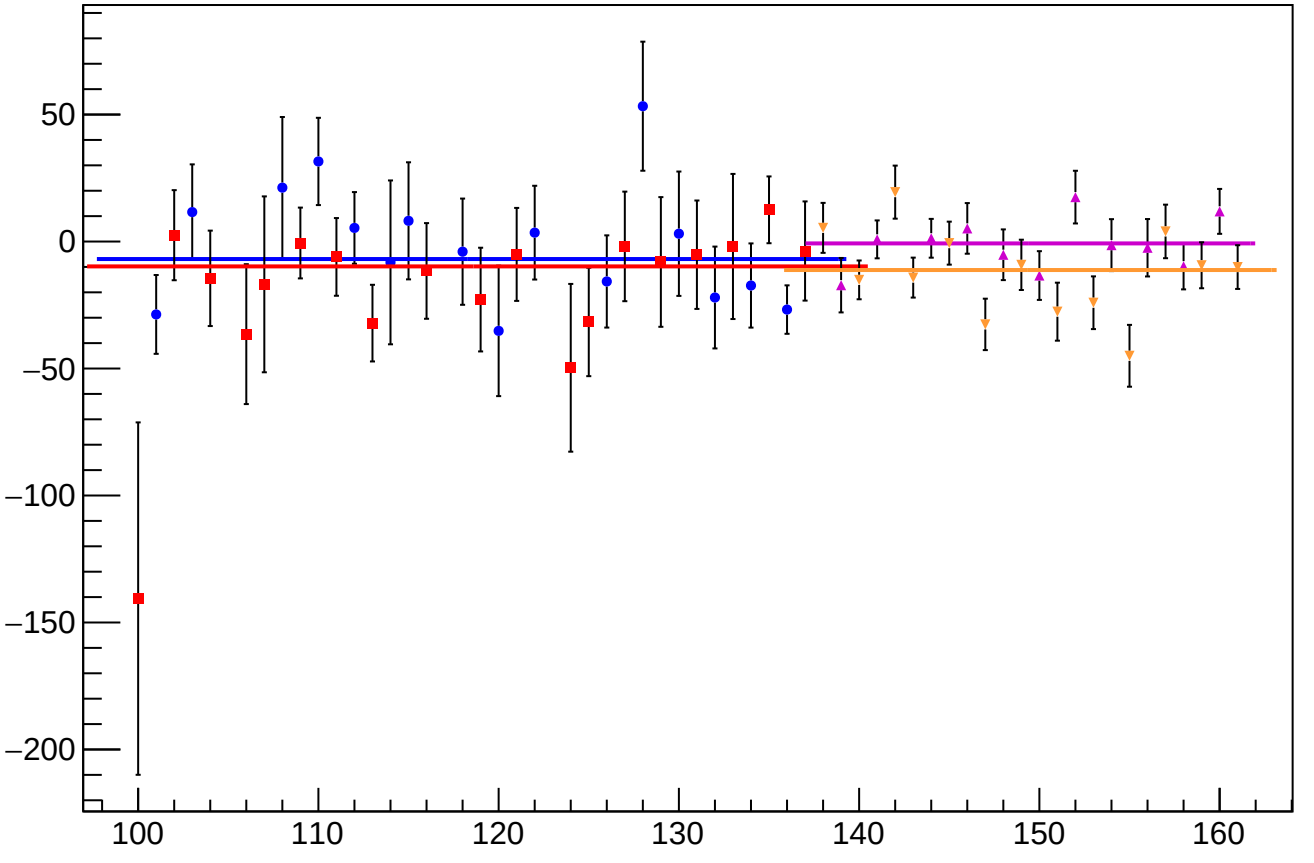
Left In: 7.339+/-0.002 χ^2/NDF:570953.6/10

+ sign 7.180+/-0.001 χ^2/NDF: 952087.8/28

All: 7.234+/-0.001 χ^2/NDF: 1635056.8/58

- sign 7.292+/-0.001 χ^2/NDF: 678924.1/29

diff_targ_positionX_mean vs Slug



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -11.221+/-2.625 χ^2/NDF:31.4/12

Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

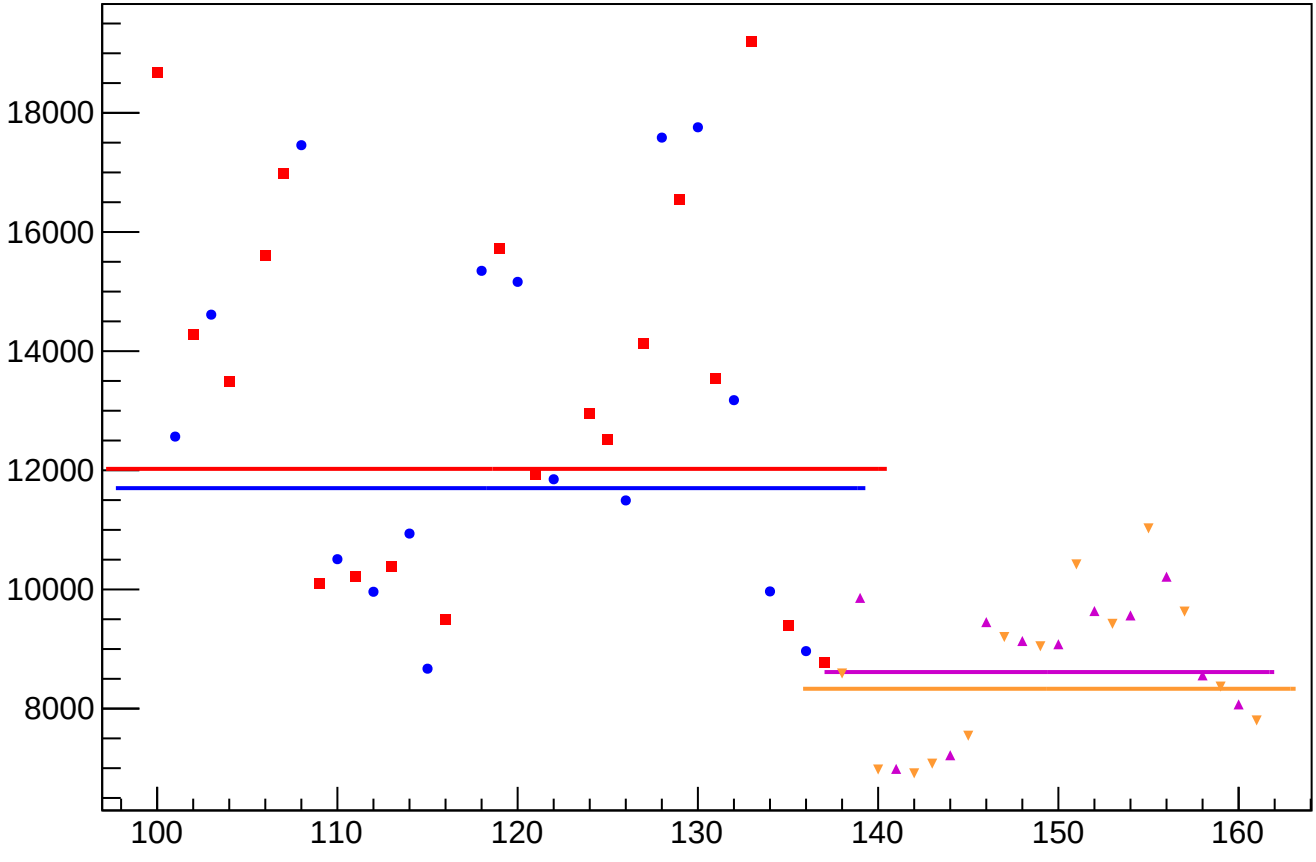
Left In: -0.737+/-2.814 χ^2/NDF:10.9/10

+ sign -10.117+/-2.266 χ^2/NDF: 55.1/28

All: -6.873+/-1.644 χ^2/NDF: 87.2/58

- sign -3.268+/-2.389 χ^2/NDF: 27.8/29

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8333.031+/-1.856 χ^2/NDF:419429.3/12

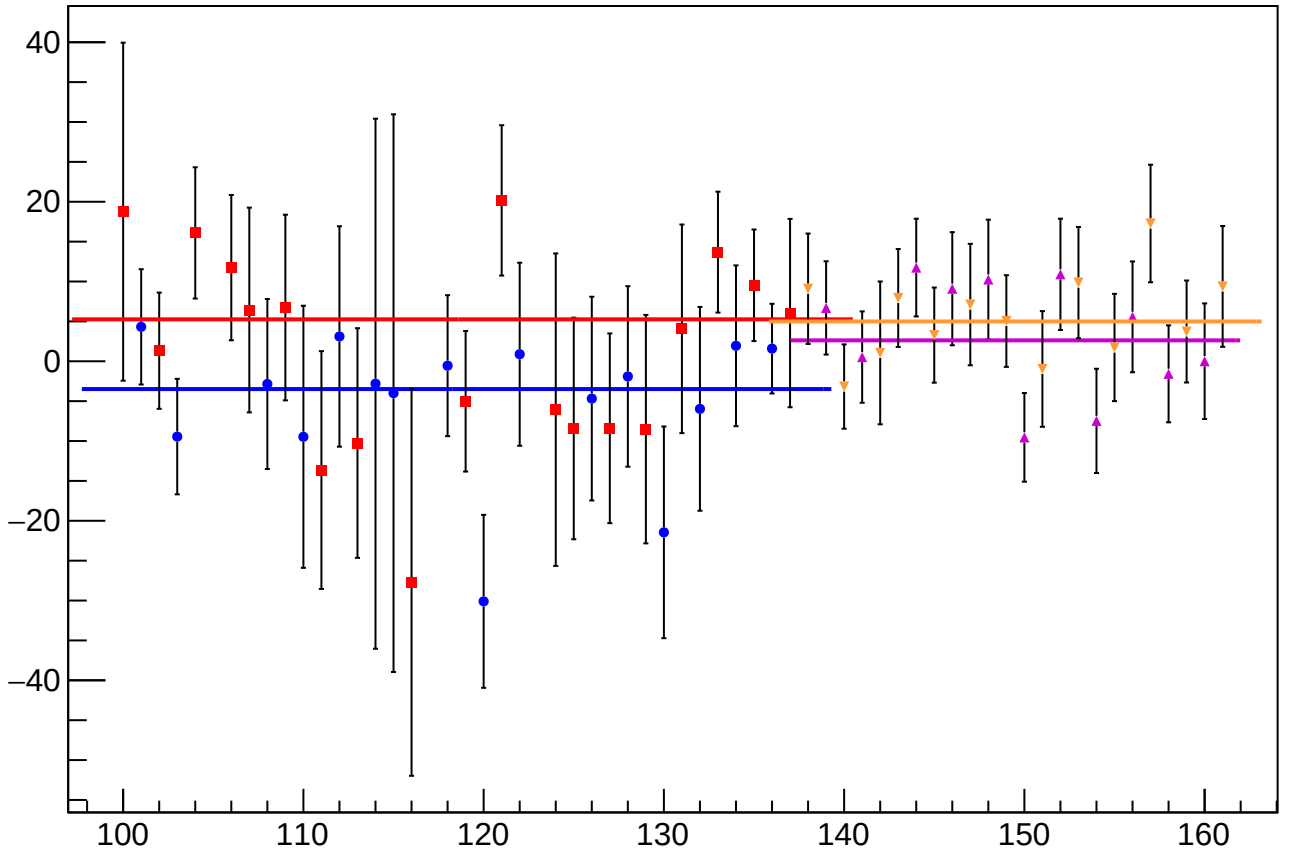
Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8613.575+/-1.990 χ^2/NDF:297518.5/10

+ sign 9191.296+/-1.602 χ^2/NDF: 1998561.3/28

All: 9369.341+/-1.162 χ^2/NDF: 3828269.7/58

- sign 9567.204+/-1.689 χ^2/NDF: 1803636.7/29



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.990+/-1.847 χ^2/NDF:7.9/12

Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

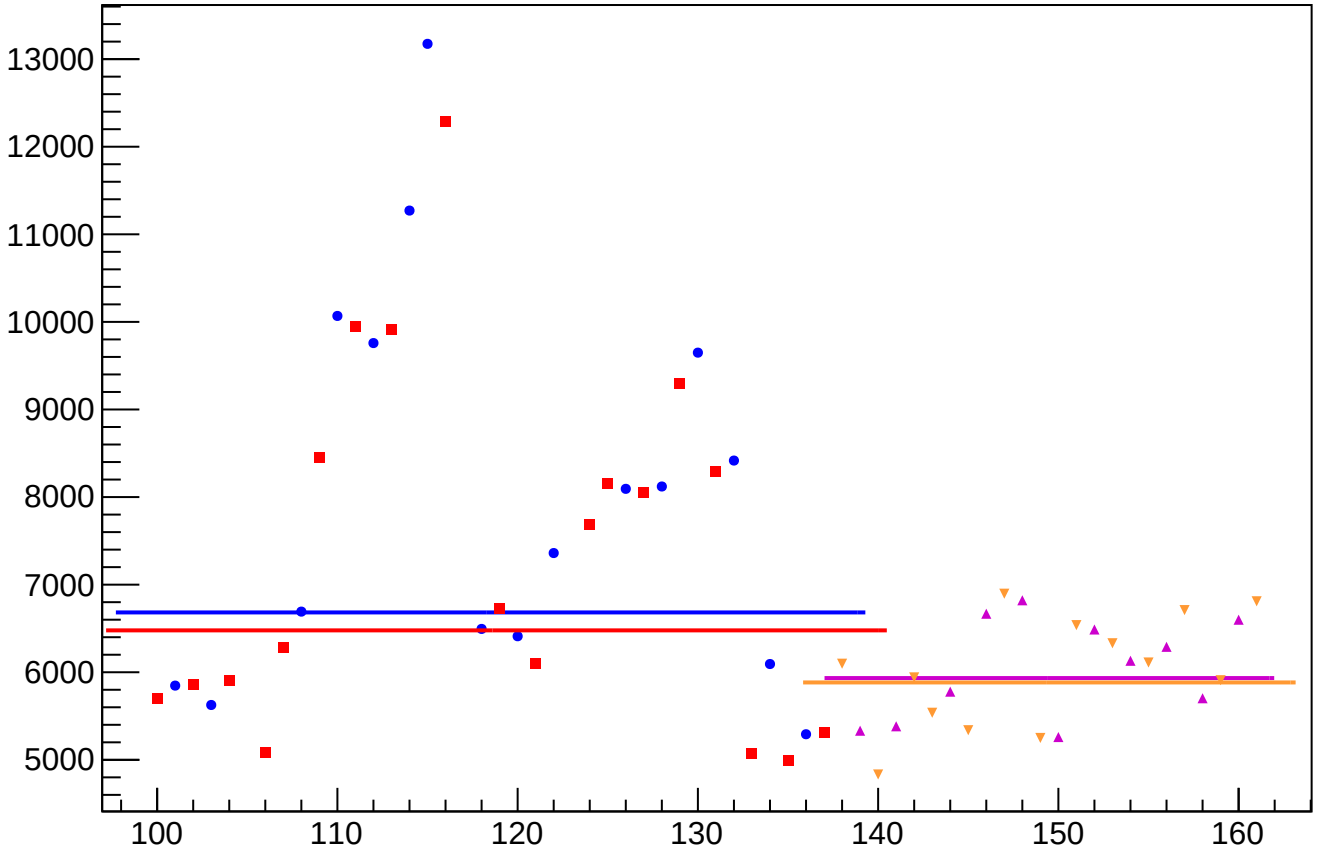
Left In: 2.623+/-1.935 χ^2/NDF:14.1/10

+ sign 2.074+/-1.496 χ^2/NDF: 26.6/28

All: 2.844+/-1.065 χ^2/NDF: 58.5/58

- sign 3.637+/-1.518 χ^2/NDF: 31.4/29

diff_targ_positionY_rms vs Slug



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5883.656+/-1.306 χ^2/NDF:245673.3/12

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

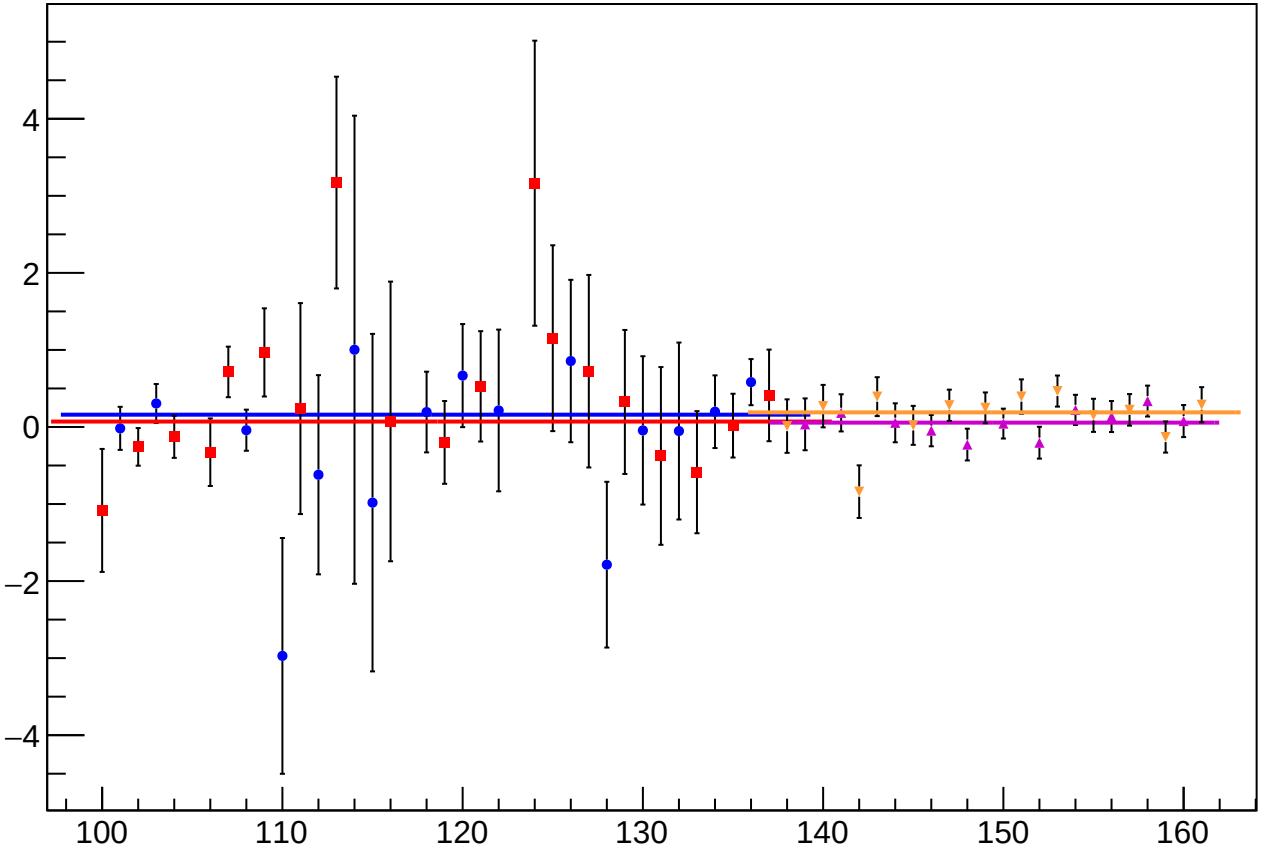
Left In: 5933.593+/-1.368 χ^2/NDF:159202.8/10

+ sign 6158.664+/-1.057 χ^2/NDF: 1066817.2/28

All: 6151.018+/-0.753 χ^2/NDF: 2126313.1/58

- sign 6143.144+/-1.073 χ^2/NDF: 1059389.7/29

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.190+/-0.064 χ^2/NDF:16.3/12

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

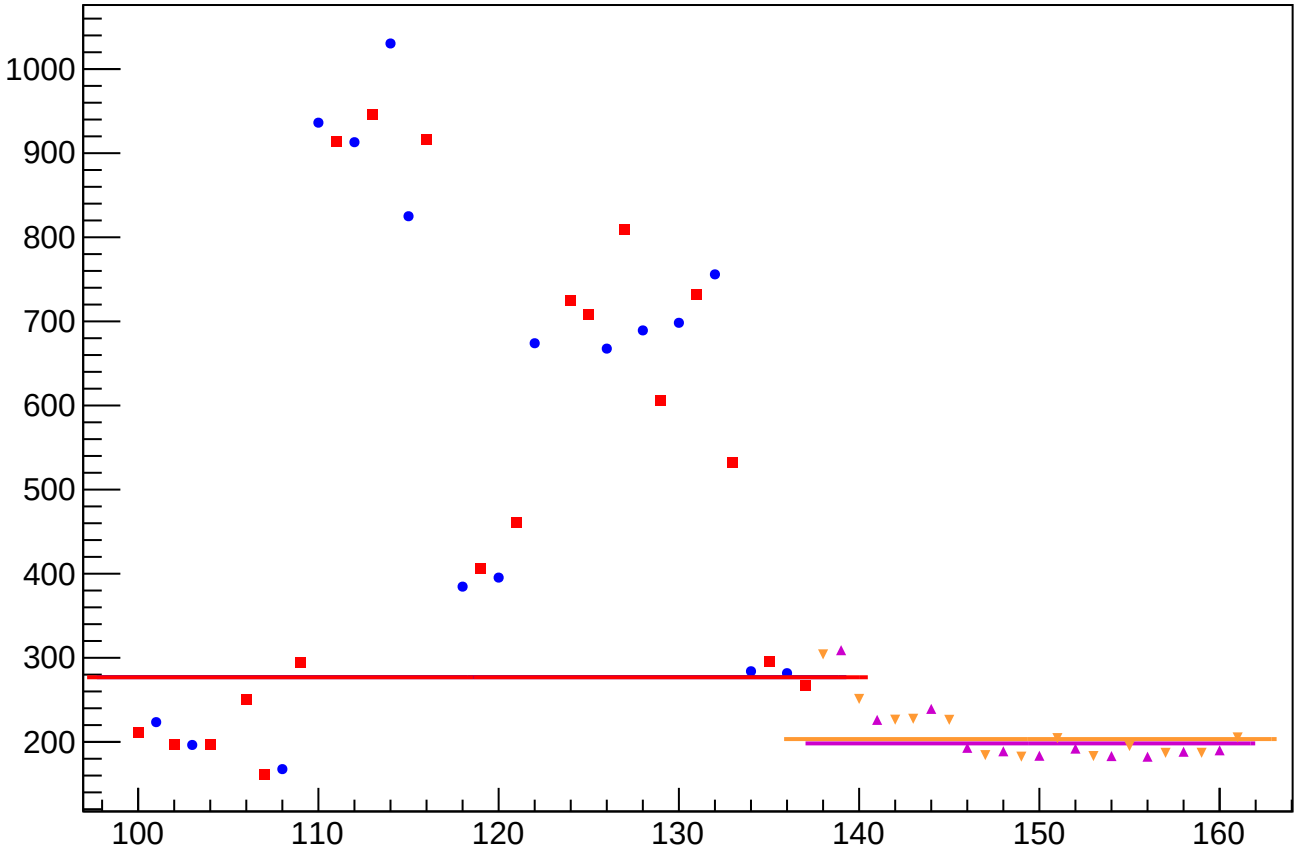
Left In: 0.057+/-0.065 χ^2/NDF:6.9/10

+ sign 0.183+/-0.056 χ^2/NDF: 28.9/28

All: 0.122+/-0.040 χ^2/NDF: 60.6/58

- sign 0.060+/-0.057 χ^2/NDF: 29.3/29

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 203.373+/-0.045 χ^2/NDF:360943.7/12

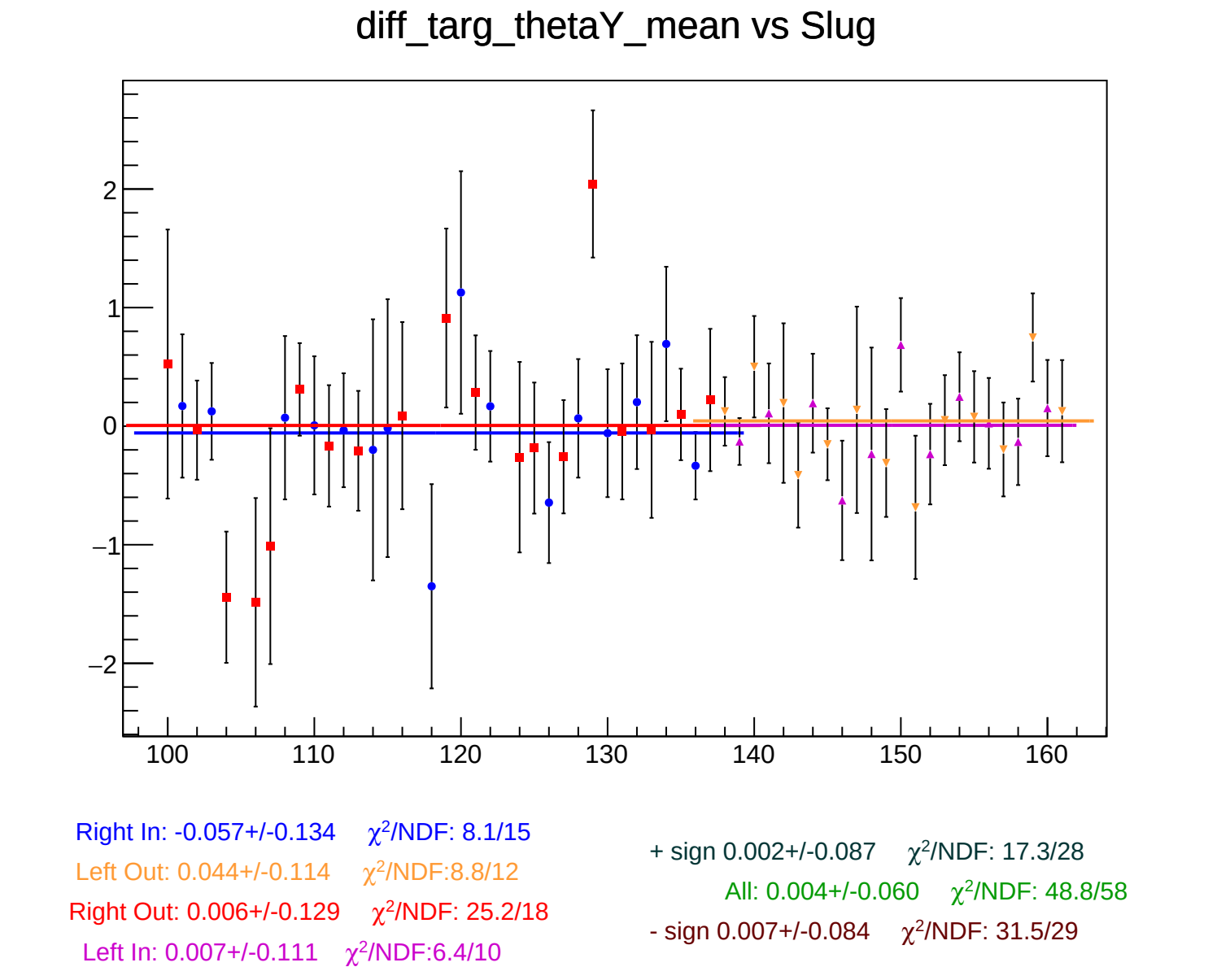
Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 198.243+/-0.046 χ^2/NDF:347542.1/10

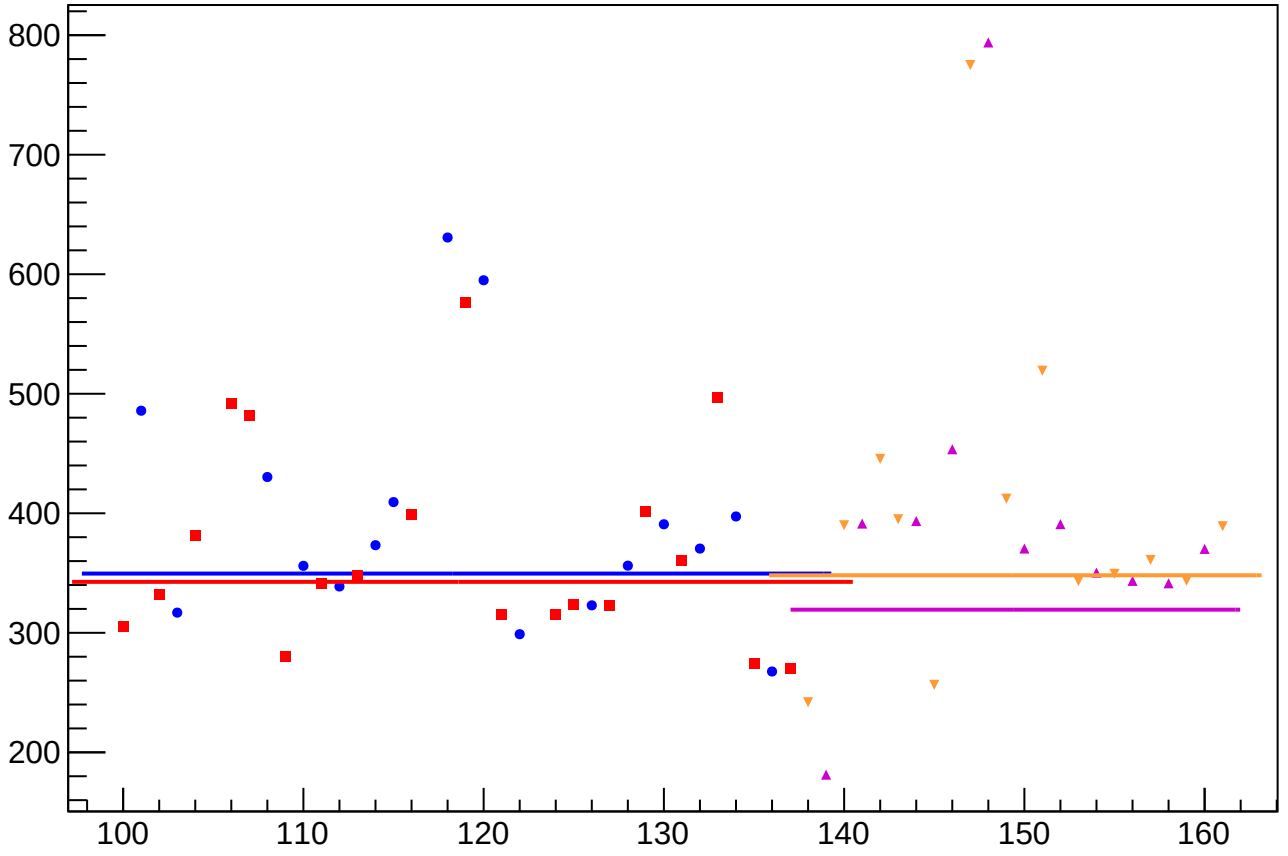
+ sign 219.742+/-0.040 χ^2/NDF: 4401421.4/28

All: 217.922+/-0.028 χ^2/NDF: 8992103.7/58

- sign 216.063+/-0.040 χ^2/NDF: 4586469.3/29


diff_targ_thetaY_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: 0.044+/-0.114 χ²/NDF:8.8/12
Right Out: 0.006+/-0.129 χ²/NDF: 25.2/18
Left In: 0.007+/-0.111 χ²/NDF:6.4/10
+ sign 0.002+/-0.087 χ²/NDF: 17.3/28
All: 0.004+/-0.060 χ²/NDF: 48.8/58
- sign 0.007+/-0.084 χ²/NDF: 31.5/29

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 348.133+/-0.080 χ^2/NDF:1238558.9/12

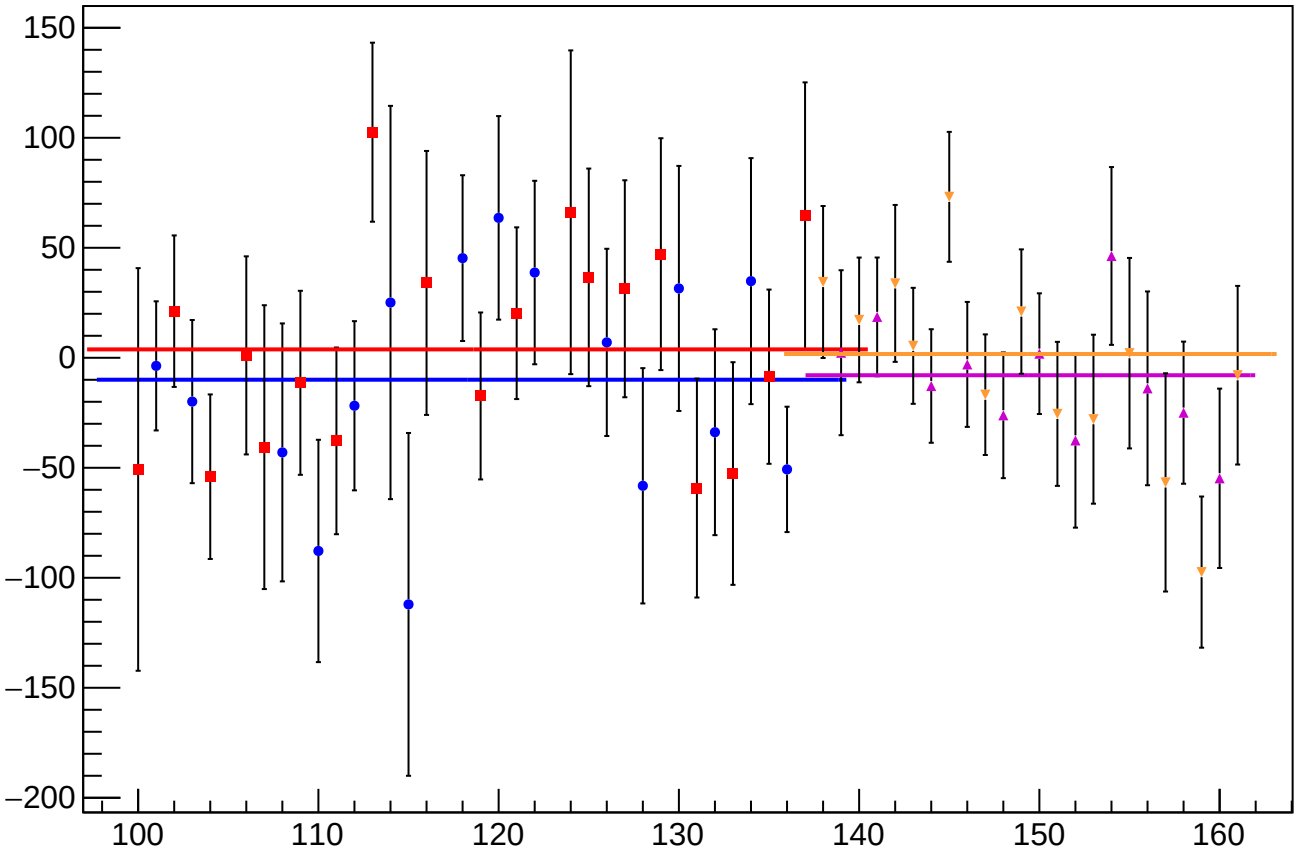
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 319.368+/-0.078 χ^2/NDF:1950114.5/10

\+ sign 348.732+/-0.061 χ^2/NDF: 1937994.9/28

All: 338.670+/-0.043 χ^2/NDF: 4553600.6/58

\- sign 329.236+/-0.059 χ^2/NDF: 2563413.2/29



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.710+/-9.113 χ^2/NDF:19.9/12

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

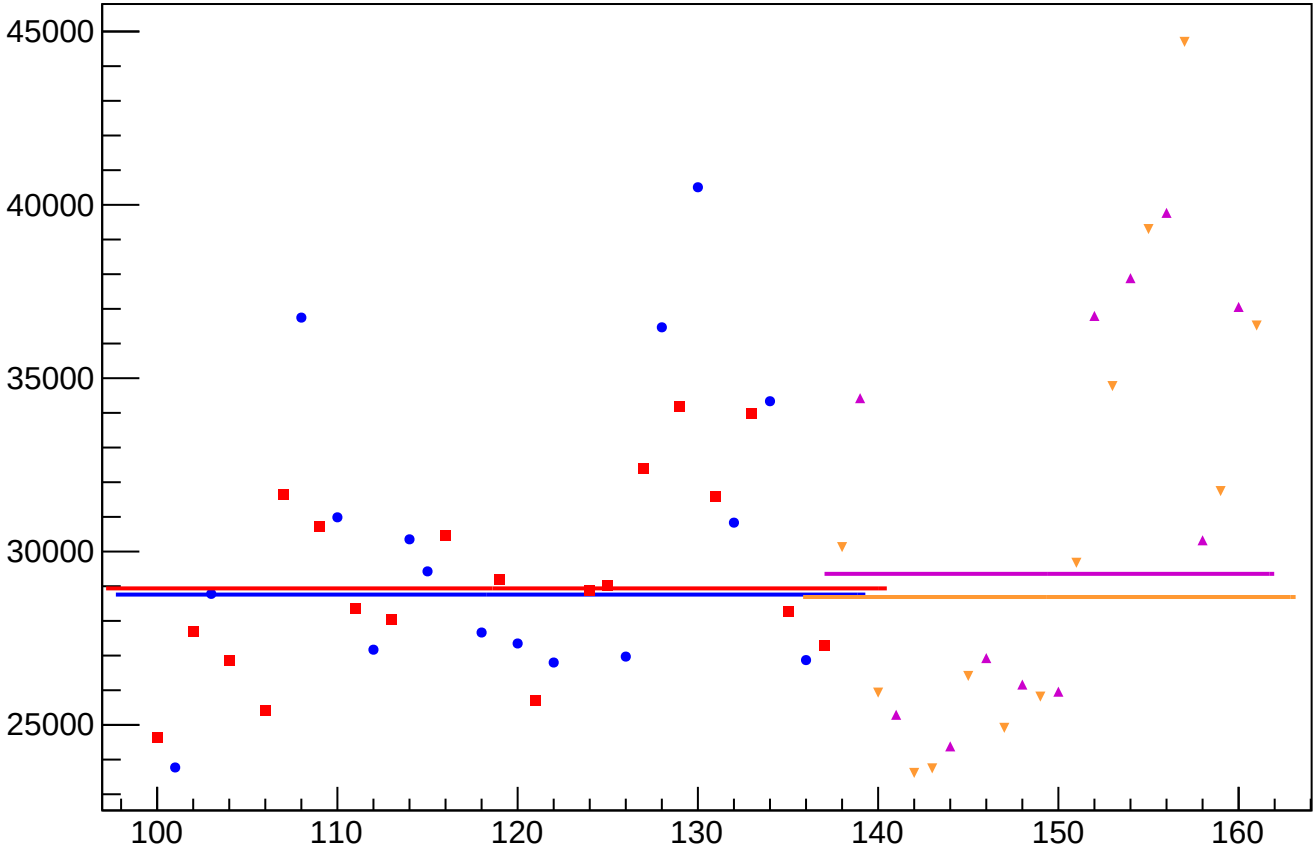
Left In: -7.936+/-9.666 χ^2/NDF:5.6/10

+ sign -3.129+/-6.975 χ^2/NDF: 35.8/28

All: -2.881+/-4.994 χ^2/NDF: 59.4/58

- sign -2.621+/-7.153 χ^2/NDF: 23.6/29

diff_bpmE_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 28689.135+/-6.444 χ^2/NDF:674399.1/12

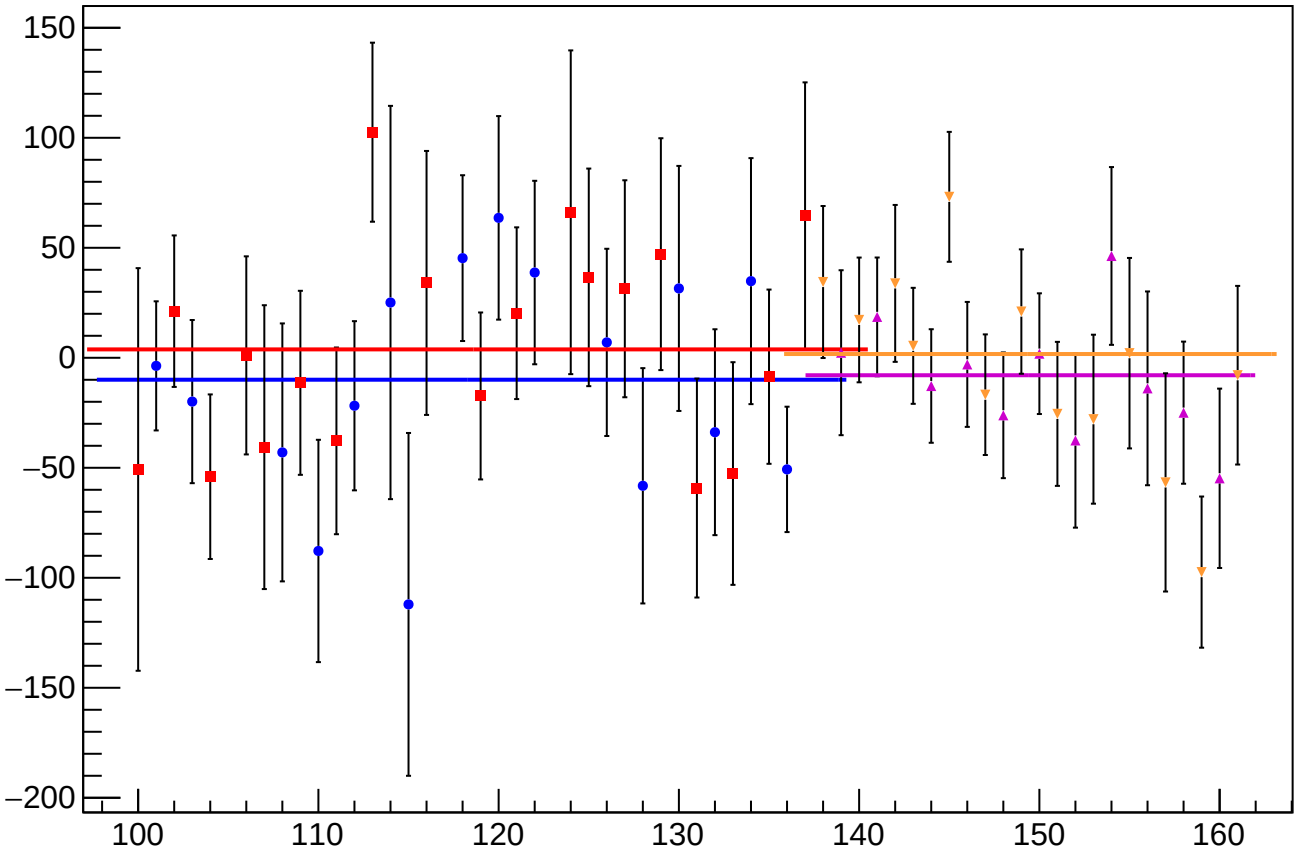
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 29357.198+/-6.835 χ^2/NDF:570953.6/10

+ sign 28718.115+/-4.932 χ^2/NDF: 952087.8/28

All: 28937.087+/-3.531 χ^2/NDF: 1635056.8/5

- sign 29167.422+/-5.058 χ^2/NDF: 678924.1/29



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.710+/-9.113 χ^2/NDF:19.9/12

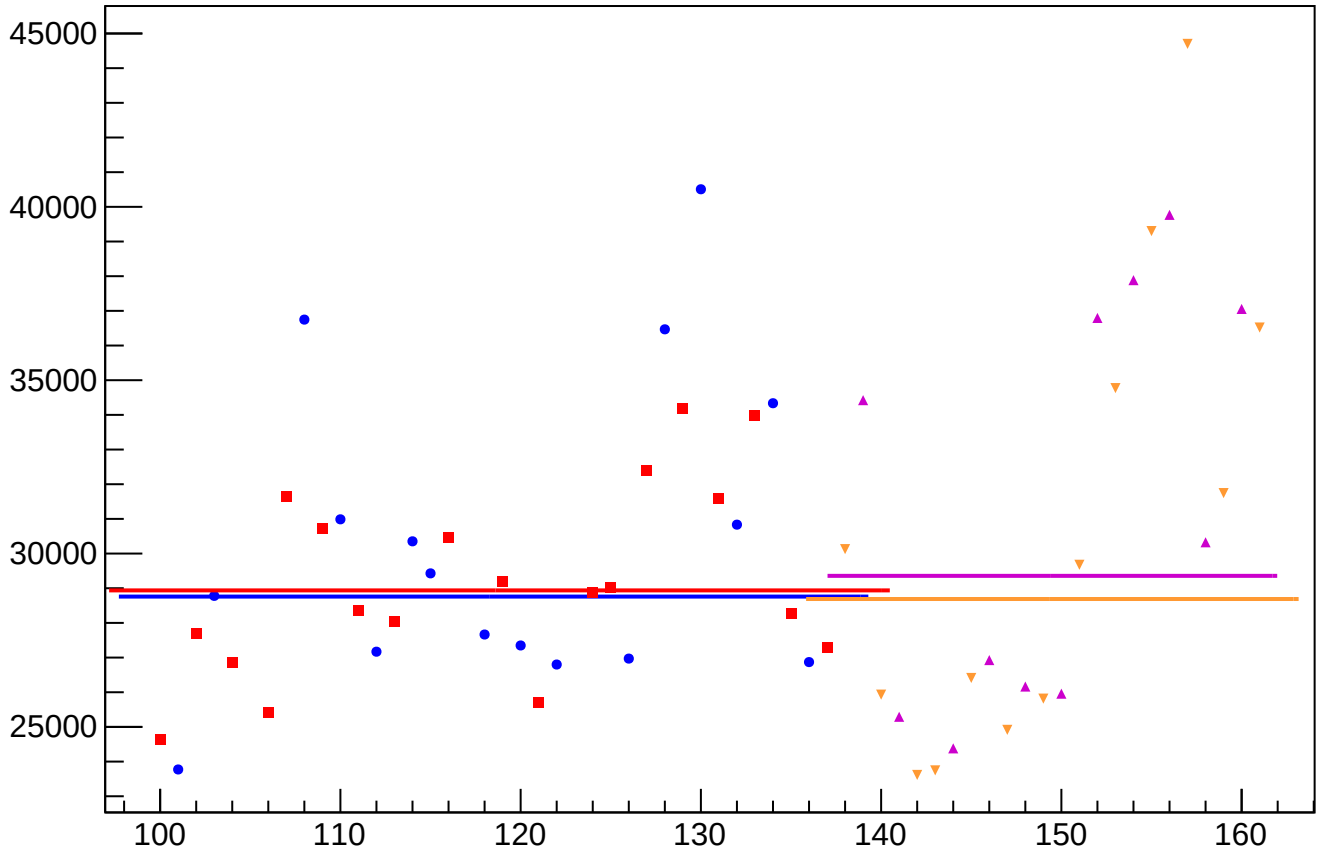
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -7.936+/-9.666 χ^2/NDF:5.6/10

+ sign -3.129+/-6.975 χ^2/NDF: 35.8/28

All: -2.881+/-4.994 χ^2/NDF: 59.4/58

- sign -2.621+/-7.153 χ^2/NDF: 23.6/29



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 28689.135+/-6.444 χ^2/NDF:674399.1/12

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

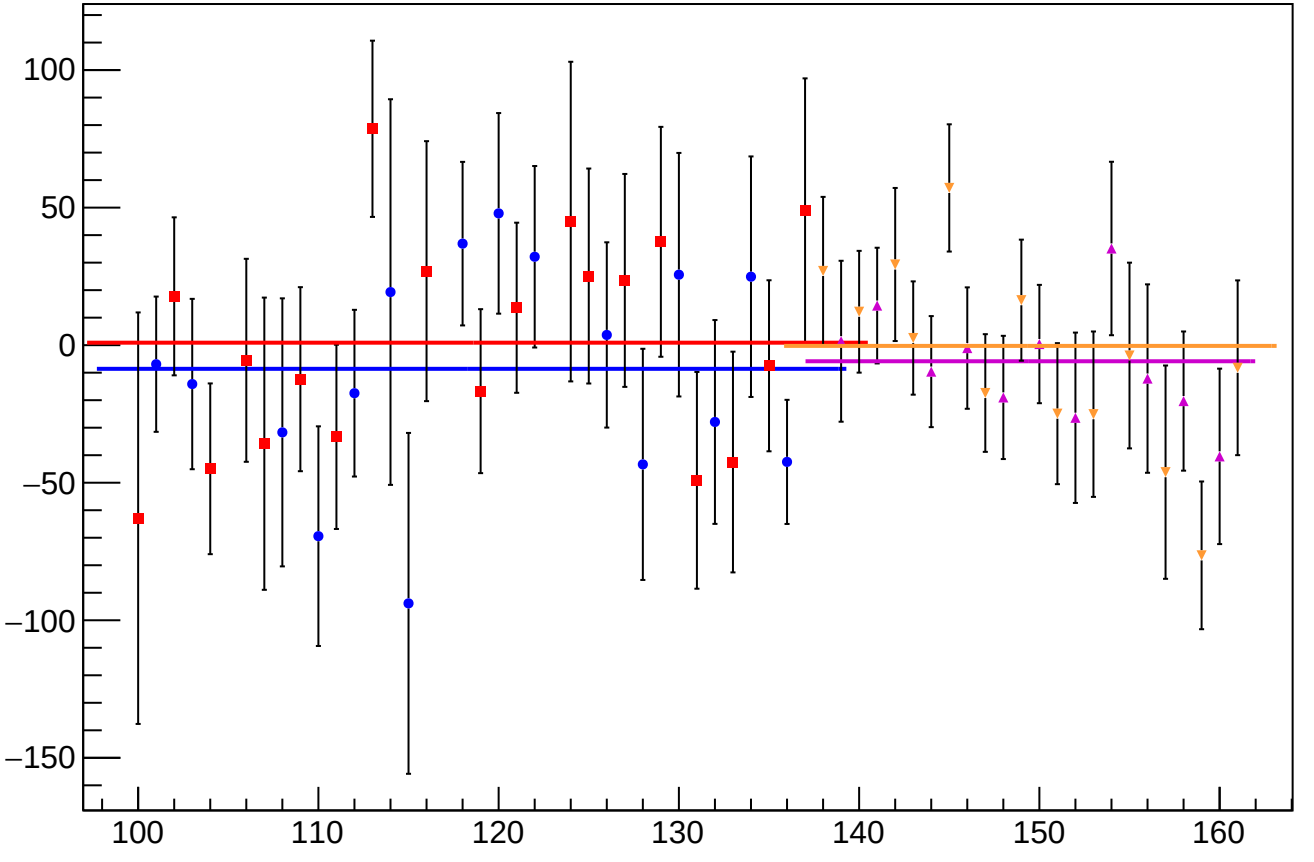
Left In: 29357.198+/-6.835 χ^2/NDF:570953.6/10

+ sign 28718.115+/-4.932 χ^2/NDF: 952087.8/28

All: 28937.087+/-3.531 χ^2/NDF: 1635056.8/5

- sign 29167.422+/-5.058 χ^2/NDF: 678924.1/29

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -0.265+/-7.118 χ^2/NDF:21.0/12

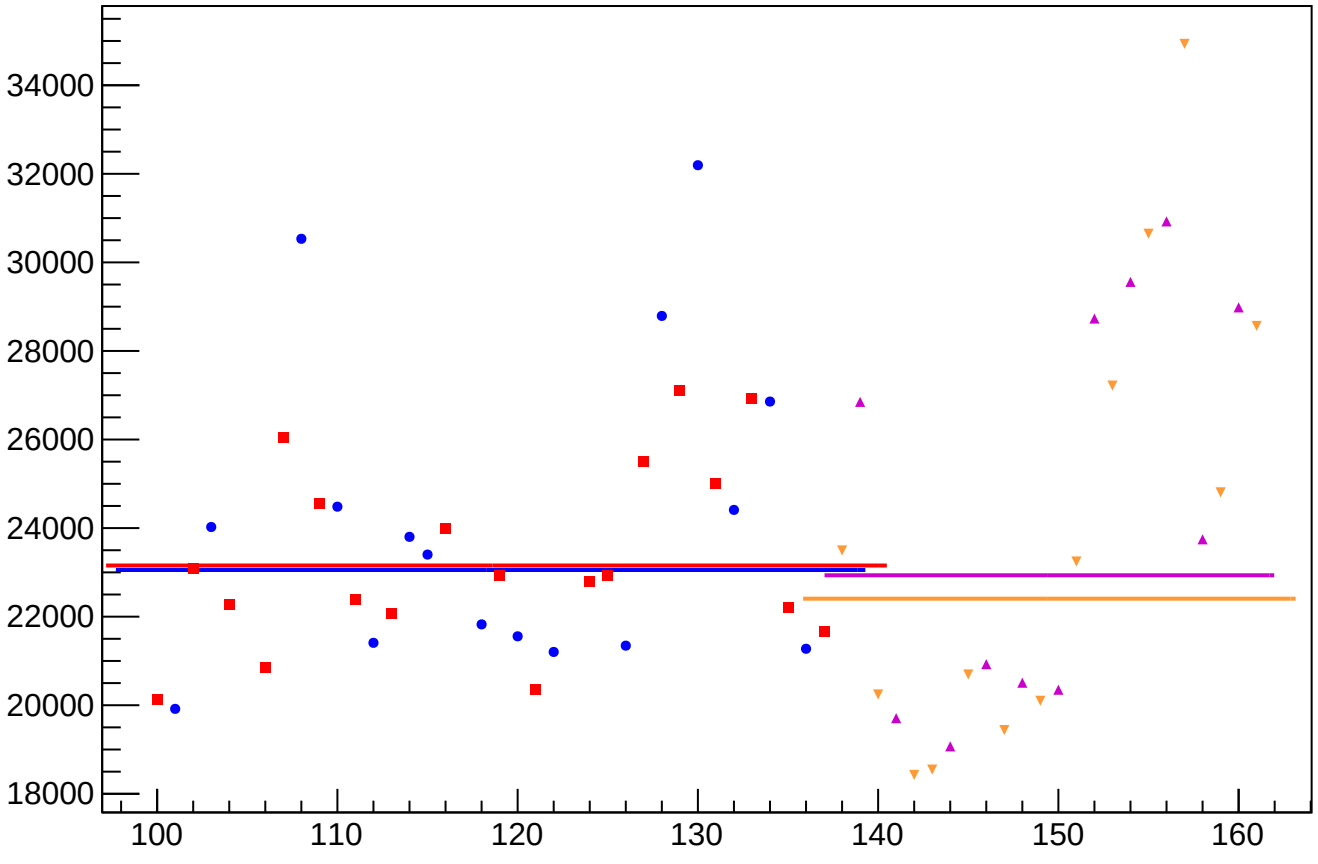
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: -5.847+/-7.551 χ^2/NDF:5.2/10

+ sign -3.616+/-5.503 χ^2/NDF: 37.0/28

All: -3.254+/-3.941 χ^2/NDF: 60.2/58

- sign -2.872+/-5.647 χ^2/NDF: 23.1/29



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 22406.268+/-5.033 χ^2/NDF:677513.5/12

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

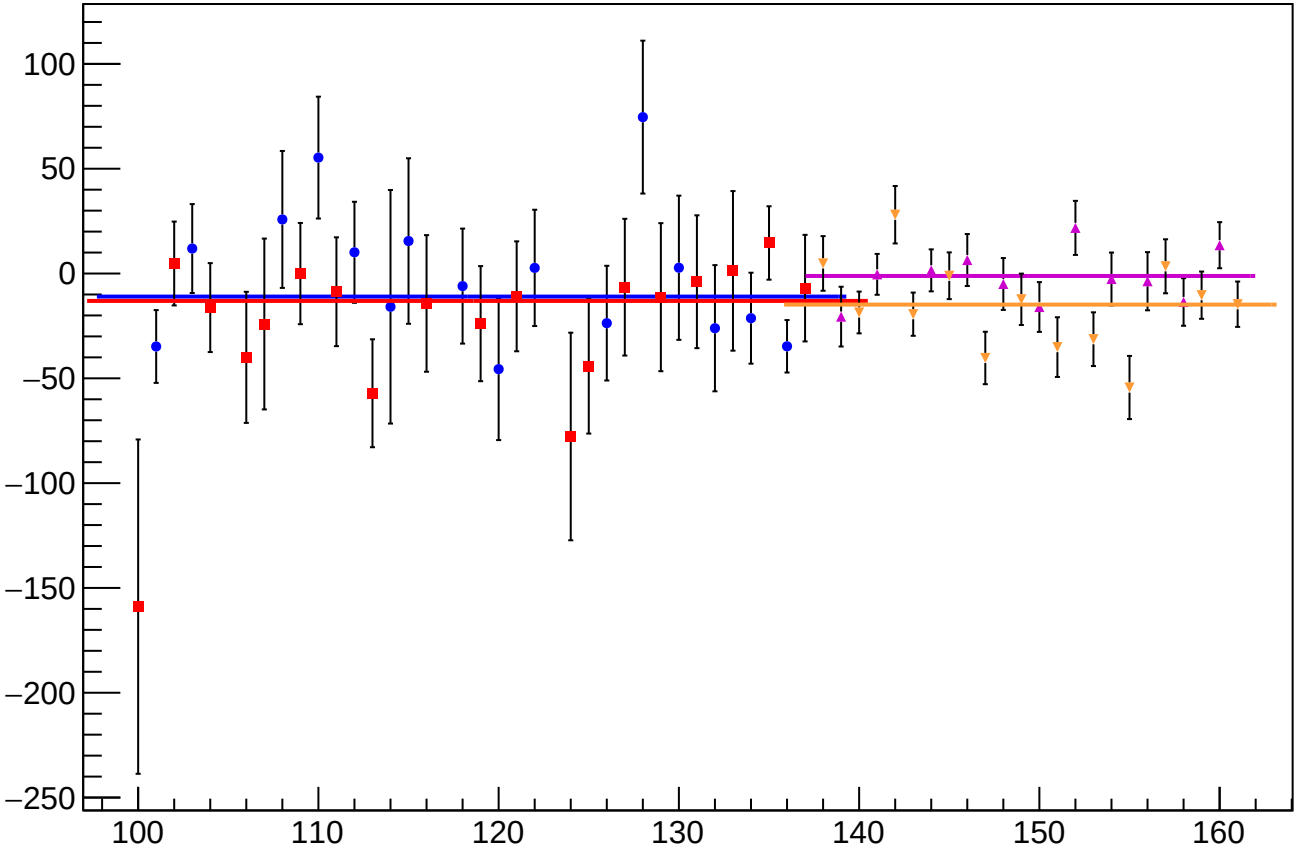
Left In: 22934.753+/-5.339 χ^2/NDF:566401.4/10

+ sign 22666.709+/-3.891 χ^2/NDF: 945617.5/28

All: 22844.625+/-2.787 χ^2/NDF: 1610955.4/5

- sign 23031.928+/-3.993 χ^2/NDF: 661047.1/29

diff_bpm4aesumX_mean vs Slug



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -14.823+/-3.340 χ^2/NDF:30.9/12

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

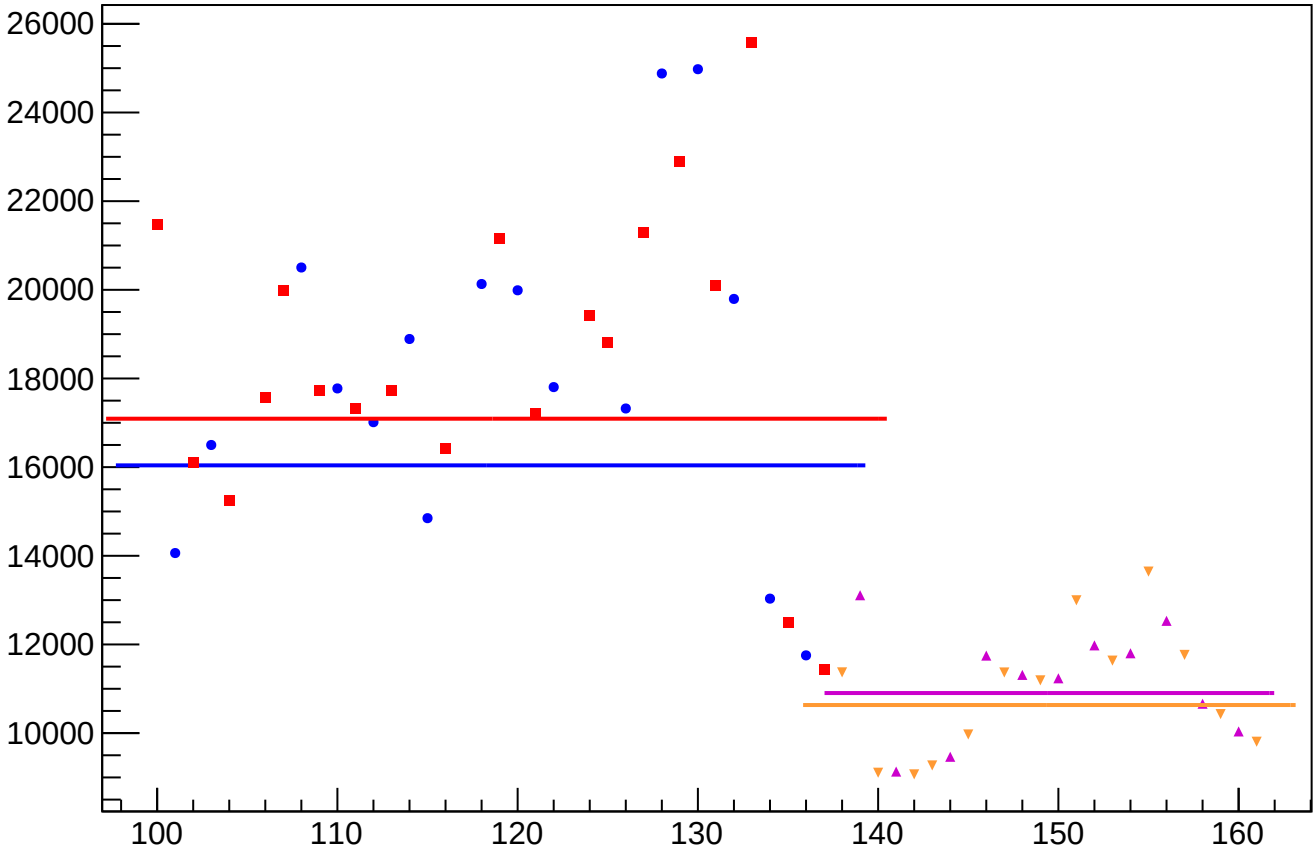
Left In: -1.167+/-3.557 χ^2/NDF:10.1/10

+ sign -13.954+/-2.935 χ^2/NDF: 53.2/28

All: -9.254+/-2.134 χ^2/NDF: 85.3/58

- sign -3.988+/-3.107 χ^2/NDF: 26.7/29

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10633.537+/-2.362 χ^2/NDF:307339.6/12

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

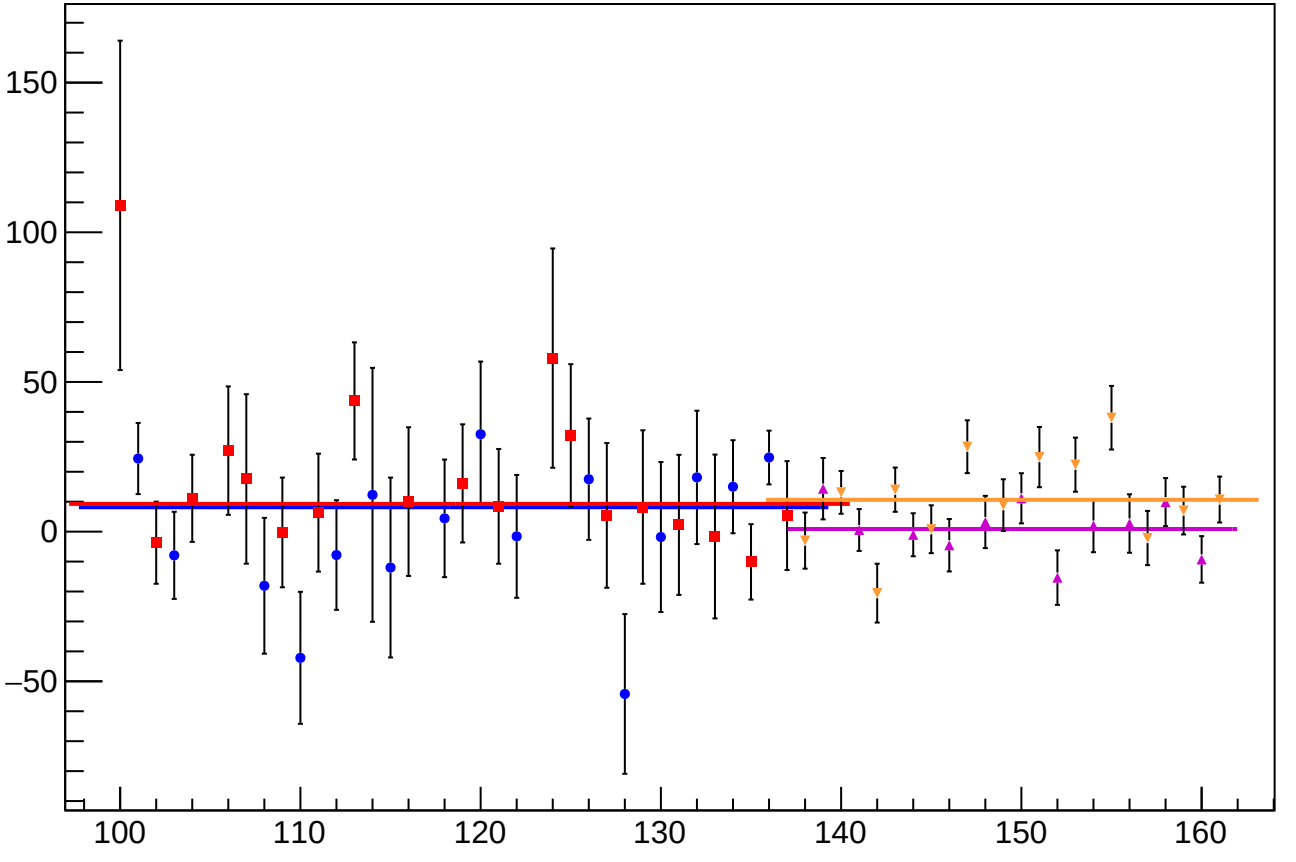
Left In: 10903.931+/-2.515 χ^2/NDF:233013.8/10

+ sign 11863.322+/-2.076 χ^2/NDF: 2222199.2/28

All: 12102.618+/-1.509 χ^2/NDF: 4453866.3/5

- sign 12370.680+/-2.197 χ^2/NDF: 2203488.2/29

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 10.634+/-2.375 χ^2/NDF:30.6/12

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

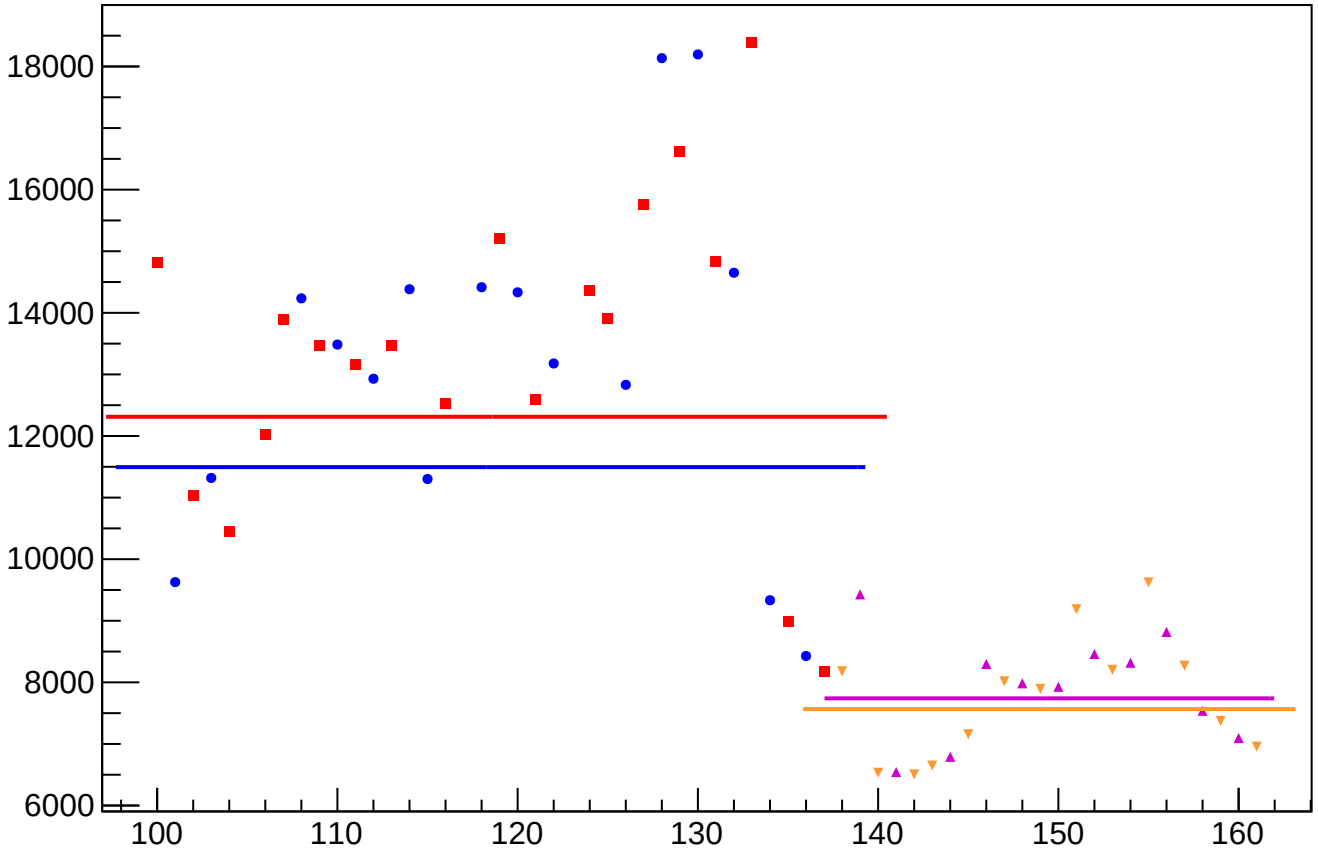
Left In: 0.876+/-2.524 χ^2/NDF:9.9/10

+ sign 10.078+/-2.092 χ^2/NDF: 52.7/28

All: 6.650+/-1.520 χ^2/NDF: 84.7/58

- sign 2.813+/-2.213 χ^2/NDF: 26.4/29

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7566.156+/-1.679 χ^2/NDF:280361.0/12

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

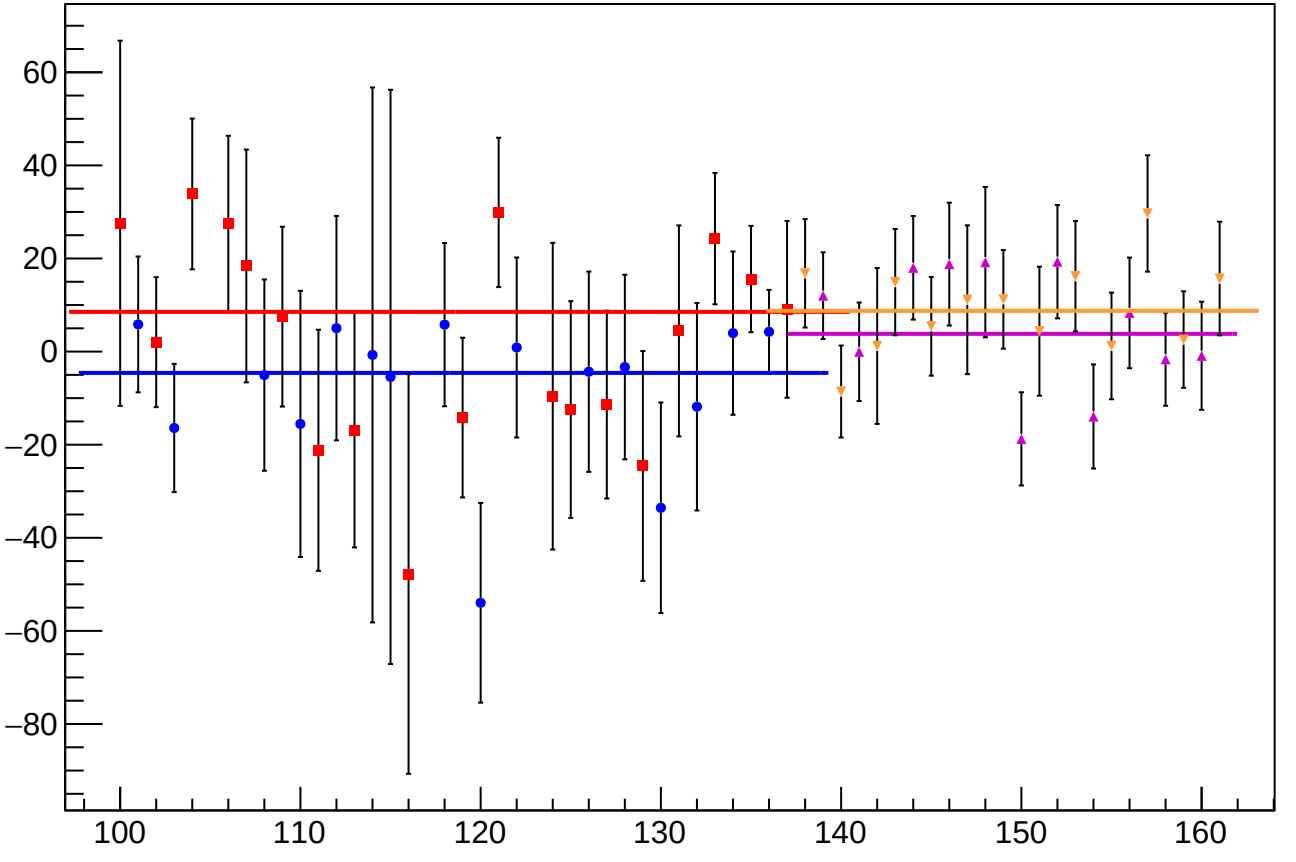
Left In: 7739.931+/-1.785 χ^2/NDF:218610.2/10

+ sign 8445.289+/-1.479 χ^2/NDF: 2295376.9/28

All: 8610.487+/-1.075 χ^2/NDF: 4654526.9/58

- sign 8795.398+/-1.565 χ^2/NDF: 2332723.3/29

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 8.752+/-3.281 χ^2/NDF:8.6/12

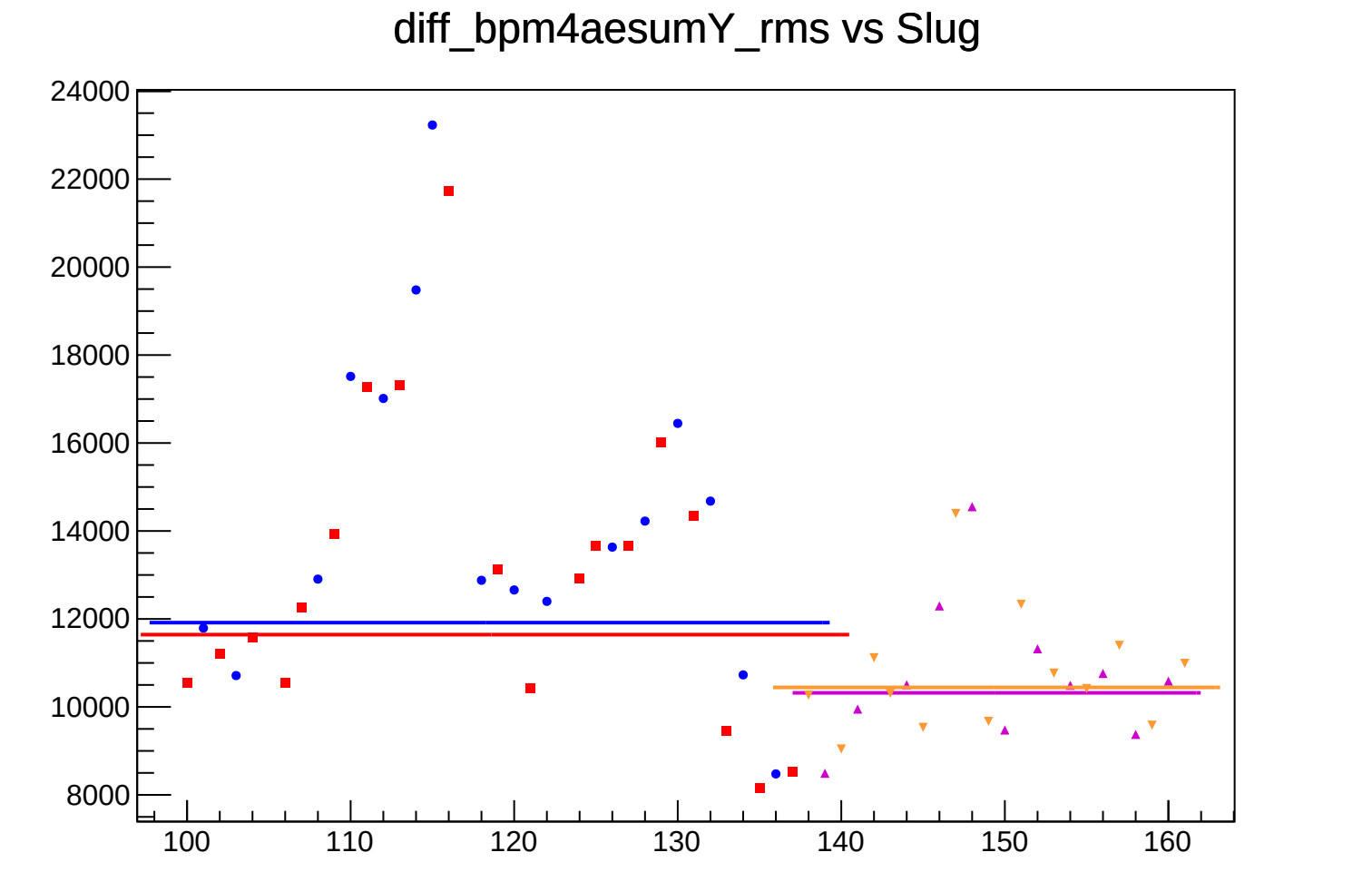
Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: 3.813+/-3.383 χ^2/NDF:14.6/10

\+ sign 4.198+/-2.662 χ^2/NDF: 24.5/28

All: 4.880+/-1.889 χ^2/NDF: 57.1/58

\- sign 5.572+/-2.680 χ^2/NDF: 32.5/29



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10443.888+/-2.320 χ^2/NDF:260101.1/12

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

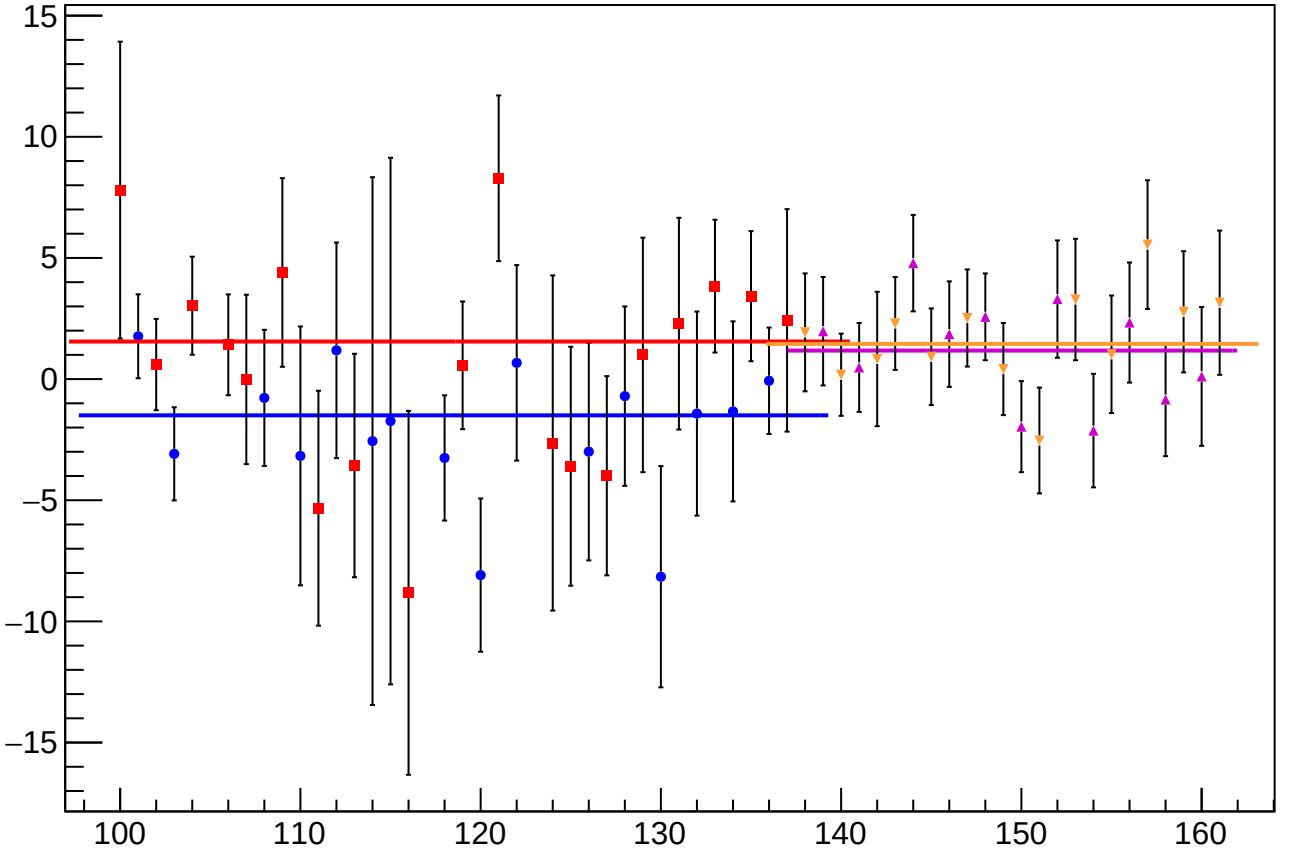
Left In: 10320.111+/-2.392 χ^2/NDF:312318.5/10

+ sign 10946.931+/-1.882 χ^2/NDF: 1147531.6/28

All: 10880.399+/-1.335 χ^2/NDF: 2366700.8/5

- sign 10812.943+/-1.895 χ^2/NDF: 1216652.9/29

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.453+/-0.614 χ^2/NDF:8.4/12

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

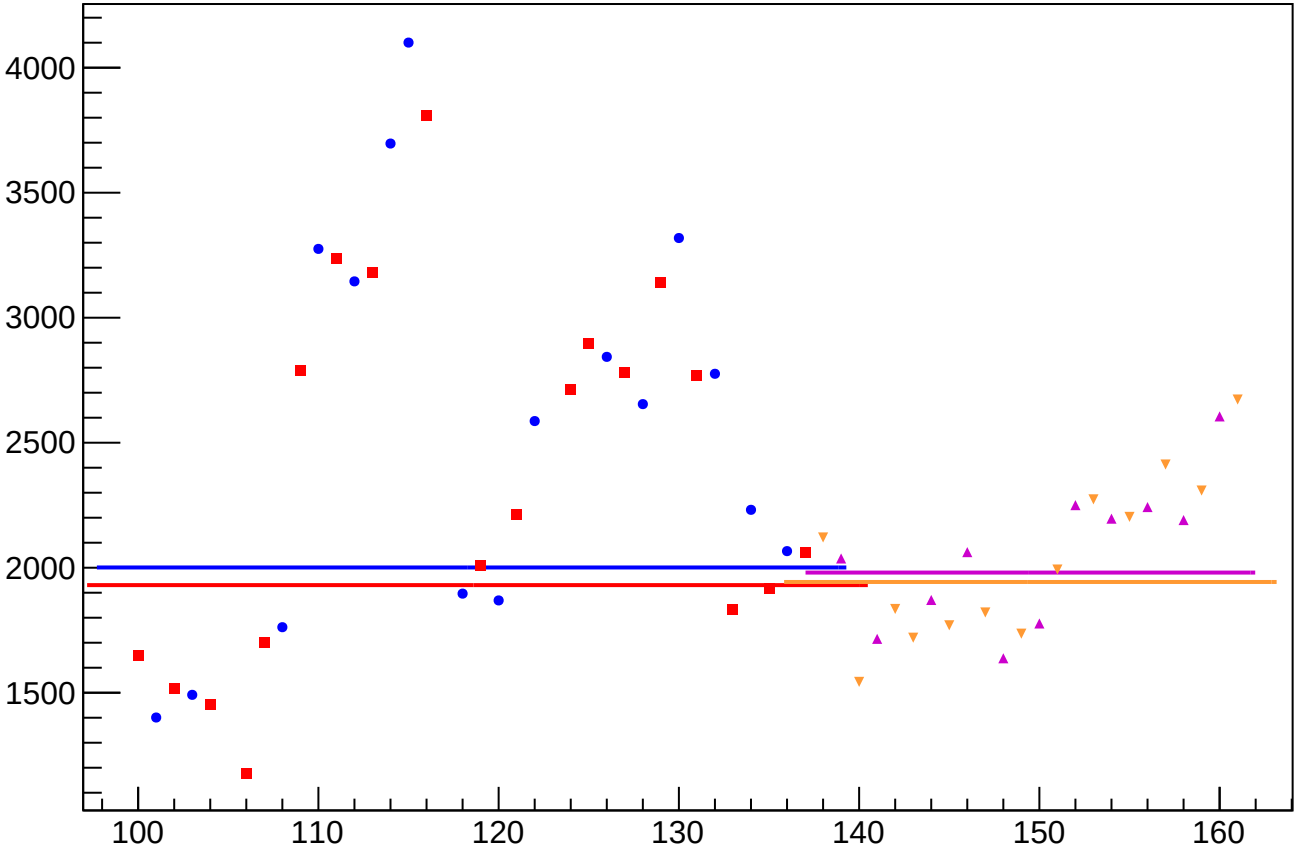
Left In: 1.178+/-0.649 χ^2/NDF:10.9/10

+ sign 0.321+/-0.482 χ^2/NDF: 29.8/28

All: 0.822+/-0.343 χ^2/NDF: 59.3/58

- sign 1.339+/-0.489 χ^2/NDF: 27.3/29

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1942.991+/-0.434 χ^2/NDF:482538.0/12

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

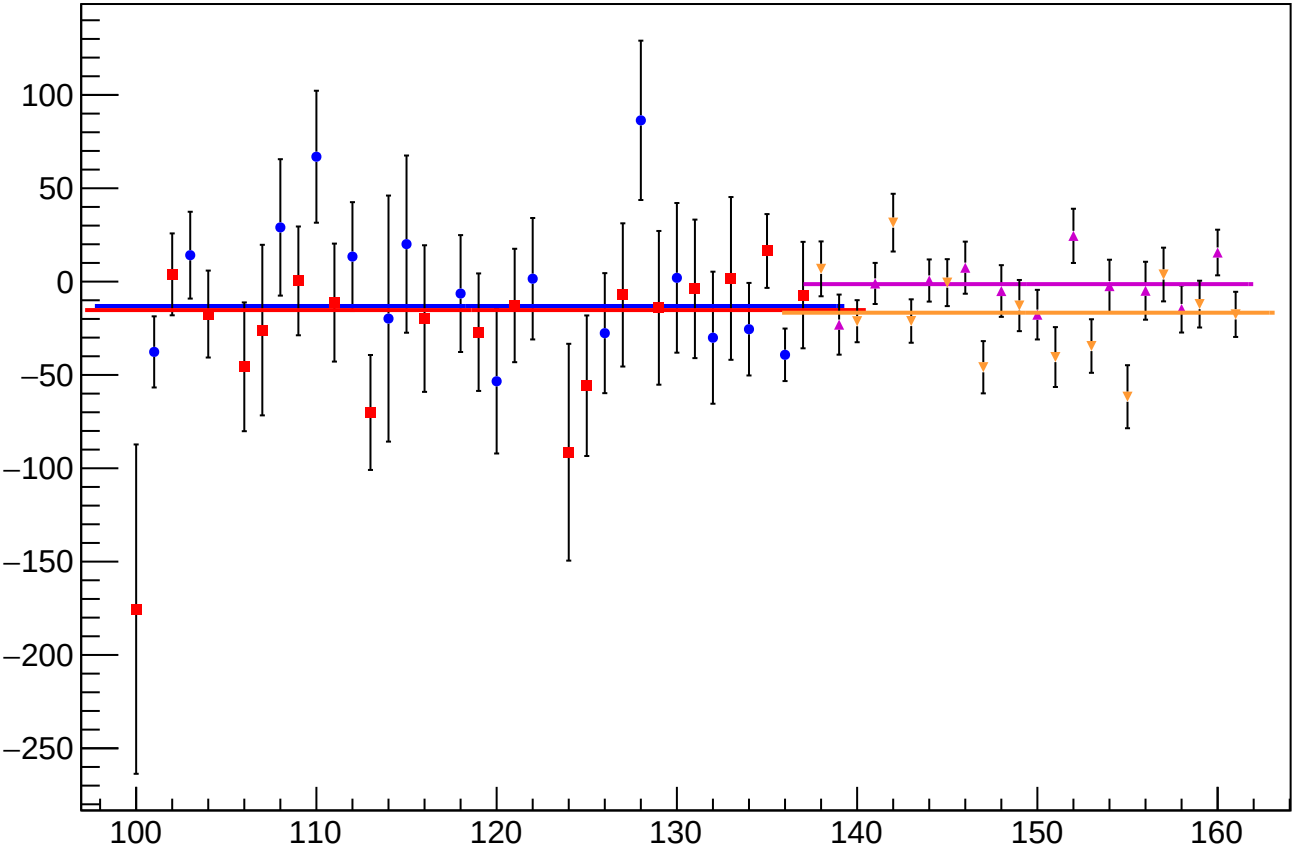
Left In: 1980.598+/-0.459 χ^2/NDF:324137.2/10

+ sign 1965.263+/-0.341 χ^2/NDF: 1679168.0/28

All: 1962.151+/-0.243 χ^2/NDF: 3412188.1/58

- sign 1958.951+/-0.346 χ^2/NDF: 1732851.2/29

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -16.662+/-3.750 χ^2/NDF:31.7/12

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

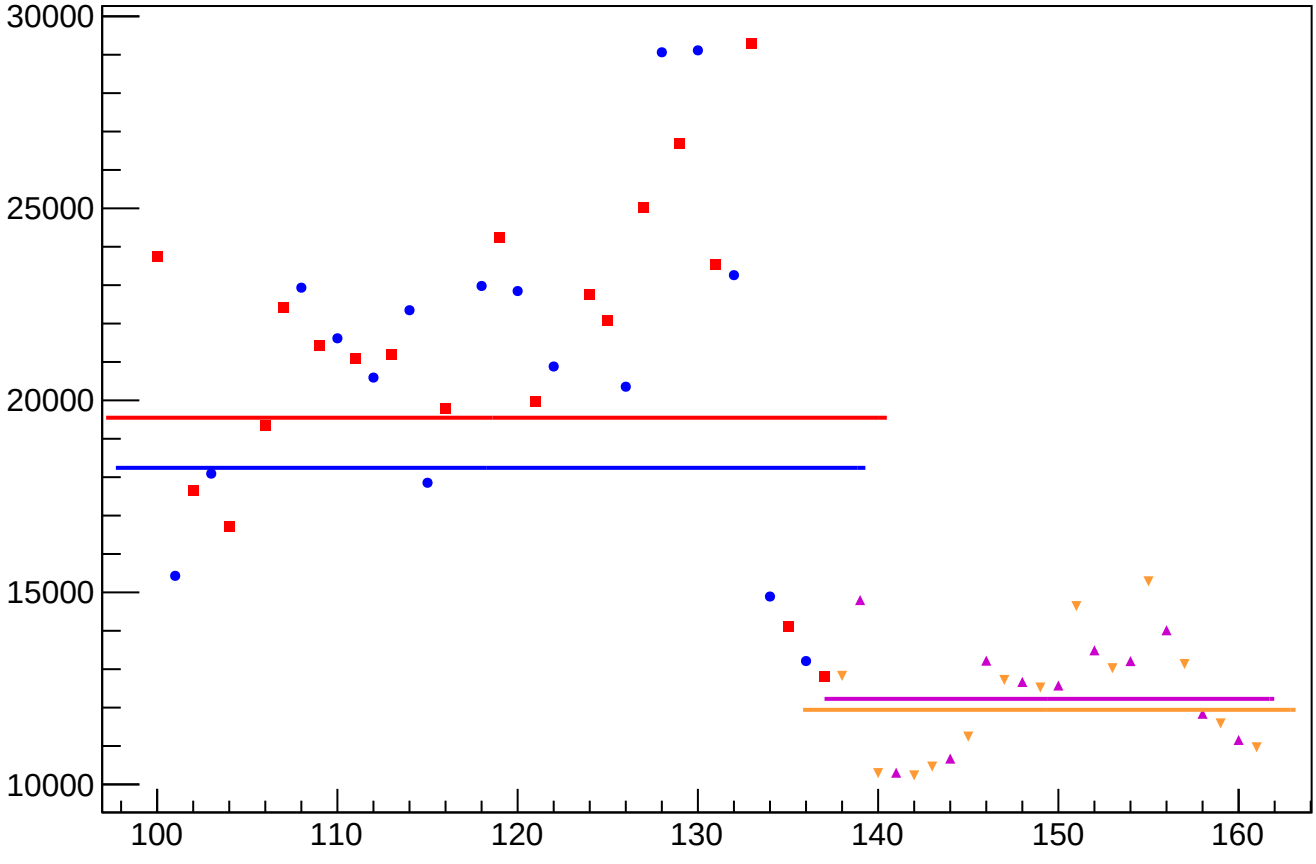
Left In: -1.352+/-3.989 χ^2/NDF:10.1/10

+ sign -15.865+/-3.308 χ^2/NDF: 53.7/28

All: -10.523+/-2.405 χ^2/NDF: 86.5/58

- sign -4.534+/-3.503 χ^2/NDF: 27.2/29

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11942.279+/-2.652 χ^2/NDF:297506.3/12

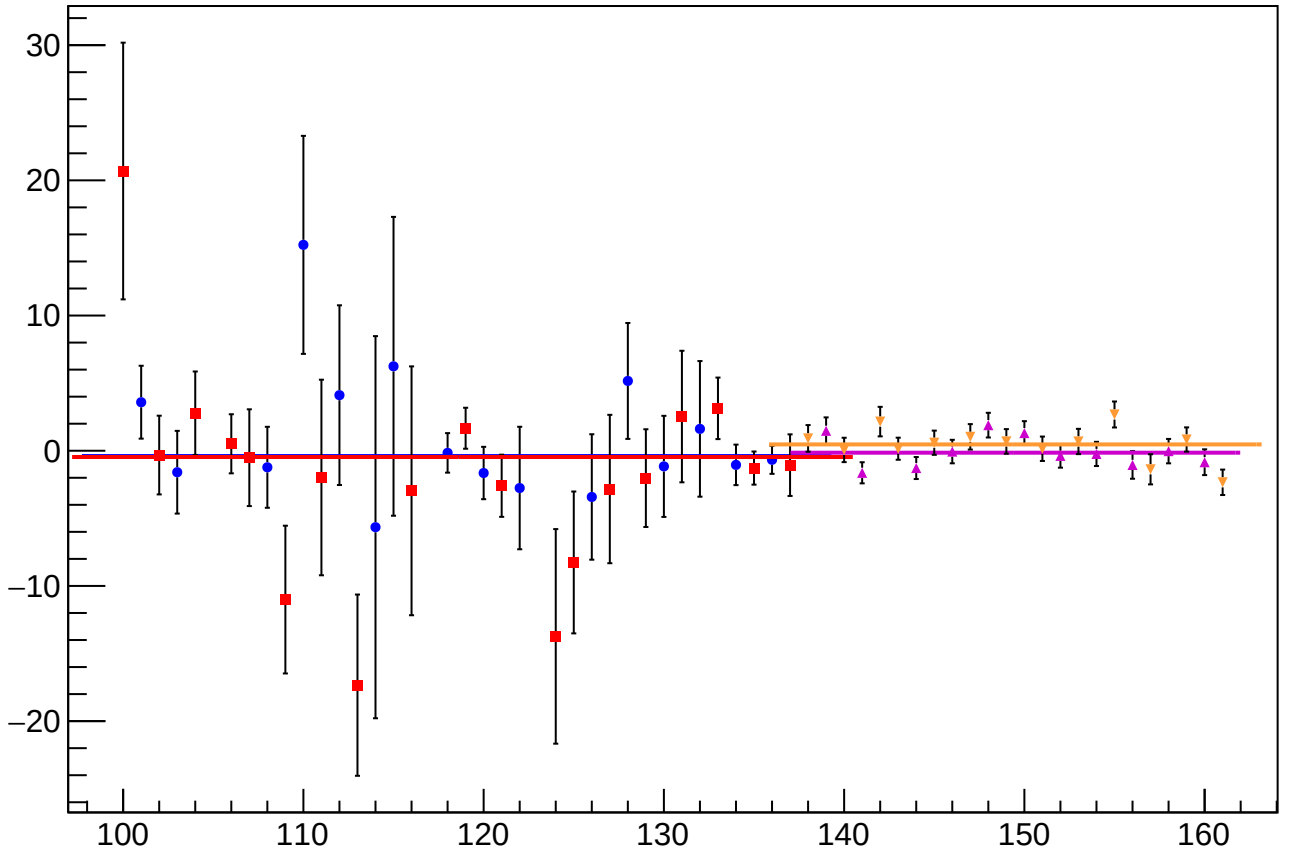
Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12227.649+/-2.820 χ^2/NDF:232216.1/10

+ sign 13339.073+/-2.339 χ^2/NDF: 2369191.0/28

All: 13605.181+/-1.701 χ^2/NDF: 4792784.0/5

- sign 13903.480+/-2.477 χ^2/NDF: 2396145.8/29



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.468+/-0.260 χ^2/NDF:20.6/12

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

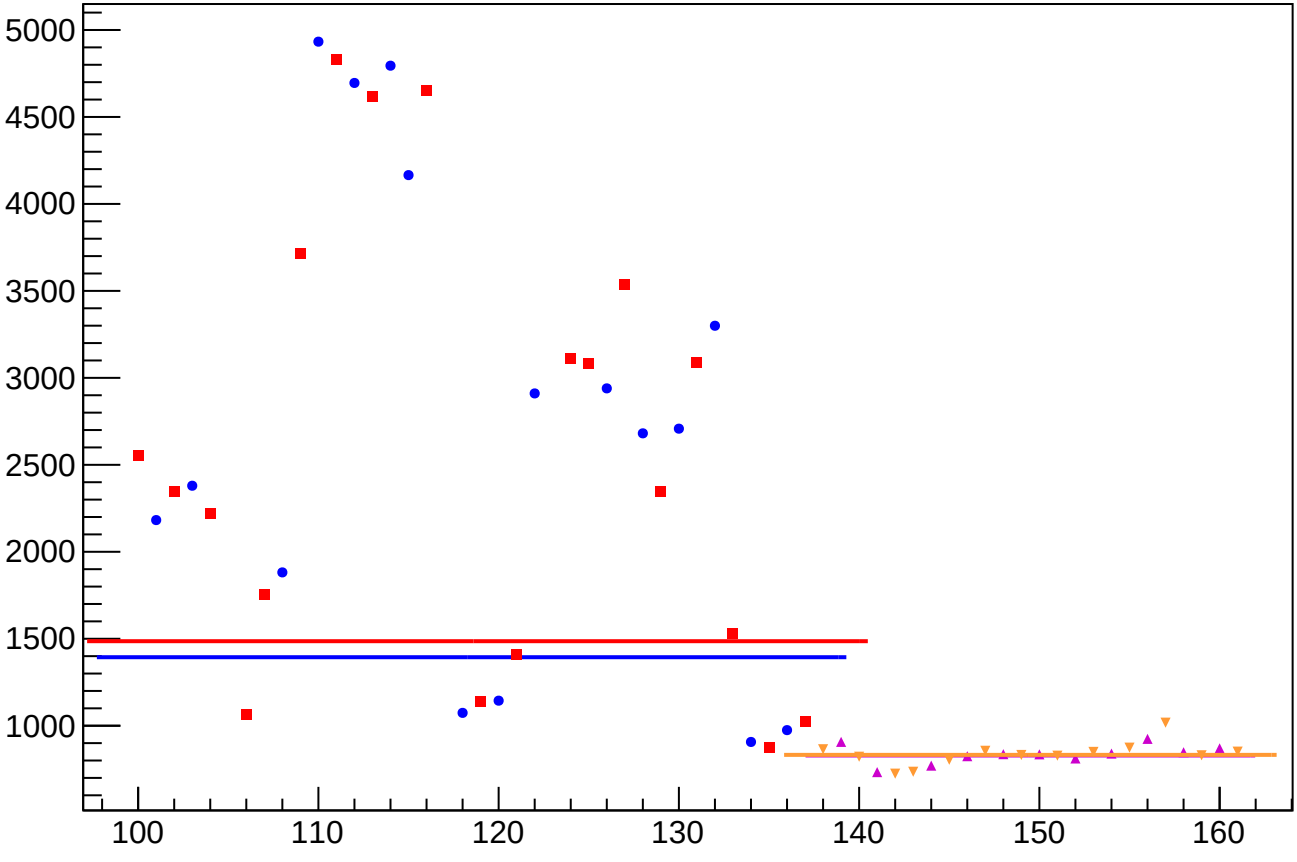
Left In: -0.144+/-0.269 χ^2/NDF:17.4/10

+ sign 0.332+/-0.238 χ^2/NDF: 32.8/28

All: 0.079+/-0.172 χ^2/NDF: 80.8/58

- sign -0.193+/-0.248 χ^2/NDF: 45.6/29

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 832.440+/-0.184 χ^2/NDF:113841.1/12

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

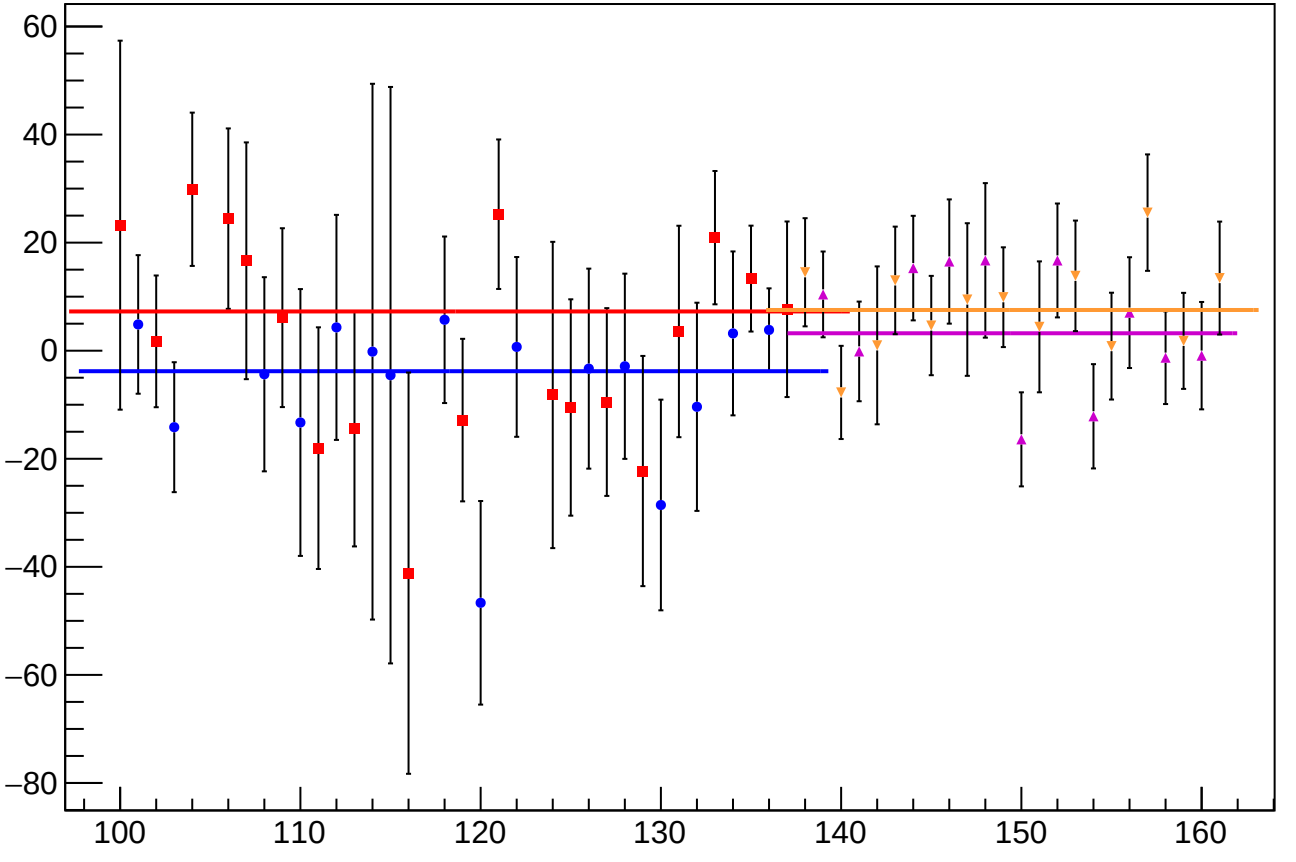
Left In: 828.805+/-0.190 χ^2/NDF:76191.3/10

+ sign 921.032+/-0.169 χ^2/NDF: 4969245.5/28

All: 924.897+/-0.121 χ^2/NDF: 10267052.0/58

- sign 929.068+/-0.175 χ^2/NDF: 5296713.1/29

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 7.536+/-2.842 χ^2/NDF:8.7/12

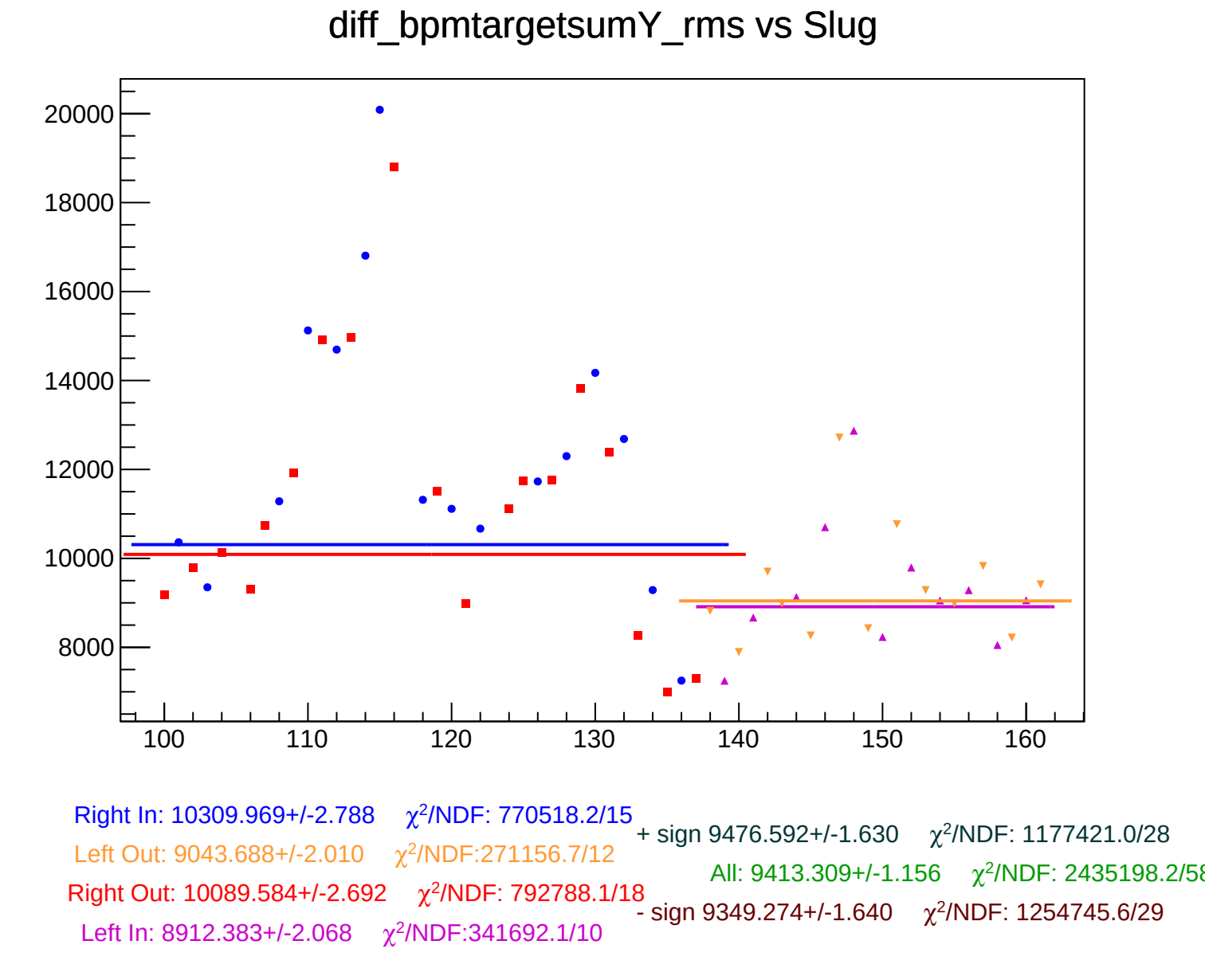
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

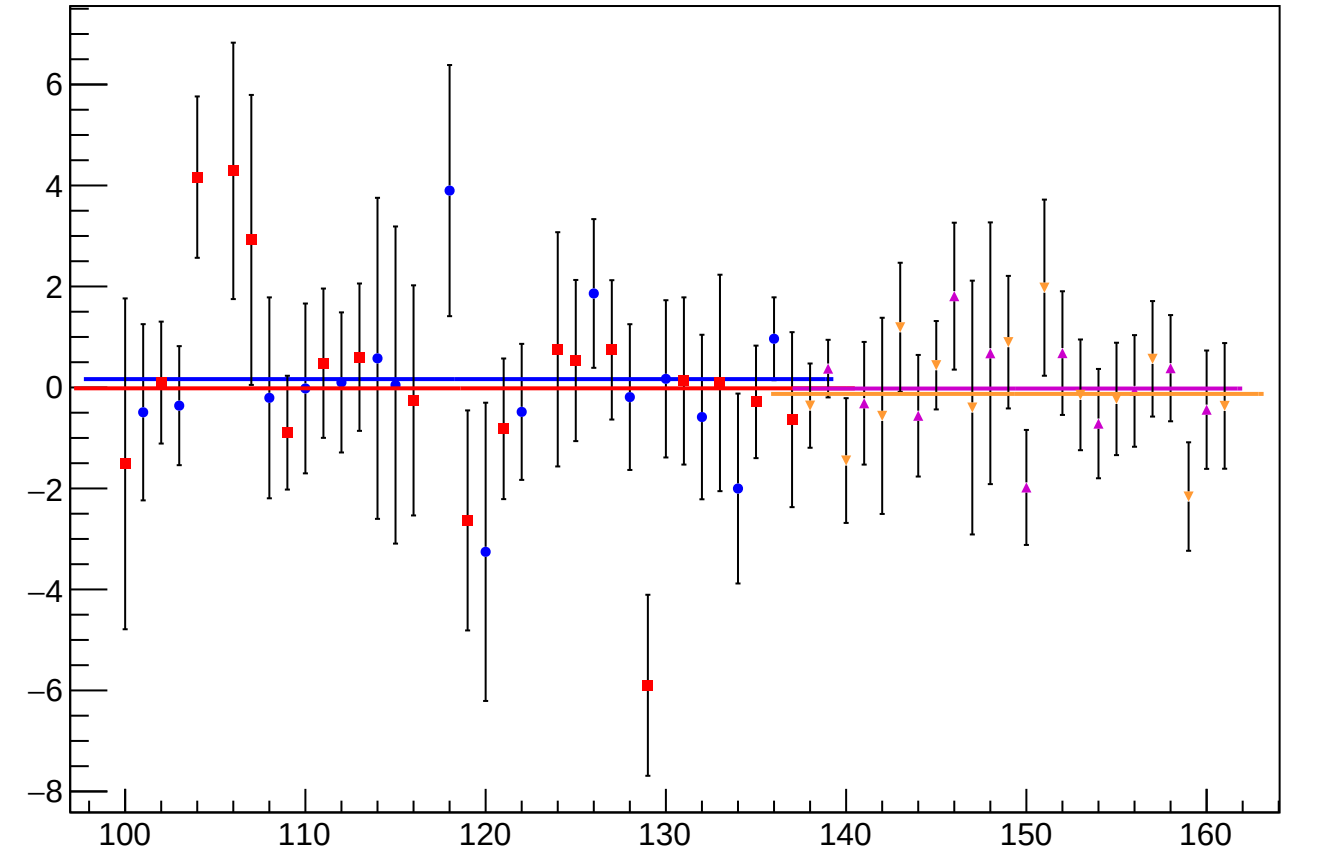
Left In: 3.227+/-2.925 χ^2/NDF:14.6/10

+ sign 3.662+/-2.306 χ^2/NDF: 24.2/28

All: 4.191+/-1.635 χ^2/NDF: 56.9/58

- sign 4.725+/-2.319 χ^2/NDF: 32.5/29


diff_bpmtargetsumY_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 9043.688+/-2.010 χ²/NDF:271156.7/12
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 8912.383+/-2.068 χ²/NDF:341692.1/10
+ sign 9476.592+/-1.630 χ²/NDF: 1177421.0/28
All: 9413.309+/-1.156 χ²/NDF: 2435198.2/58
- sign 9349.274+/-1.640 χ²/NDF: 1254745.6/29



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.128+/-0.329 χ^2/NDF:8.8/12

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

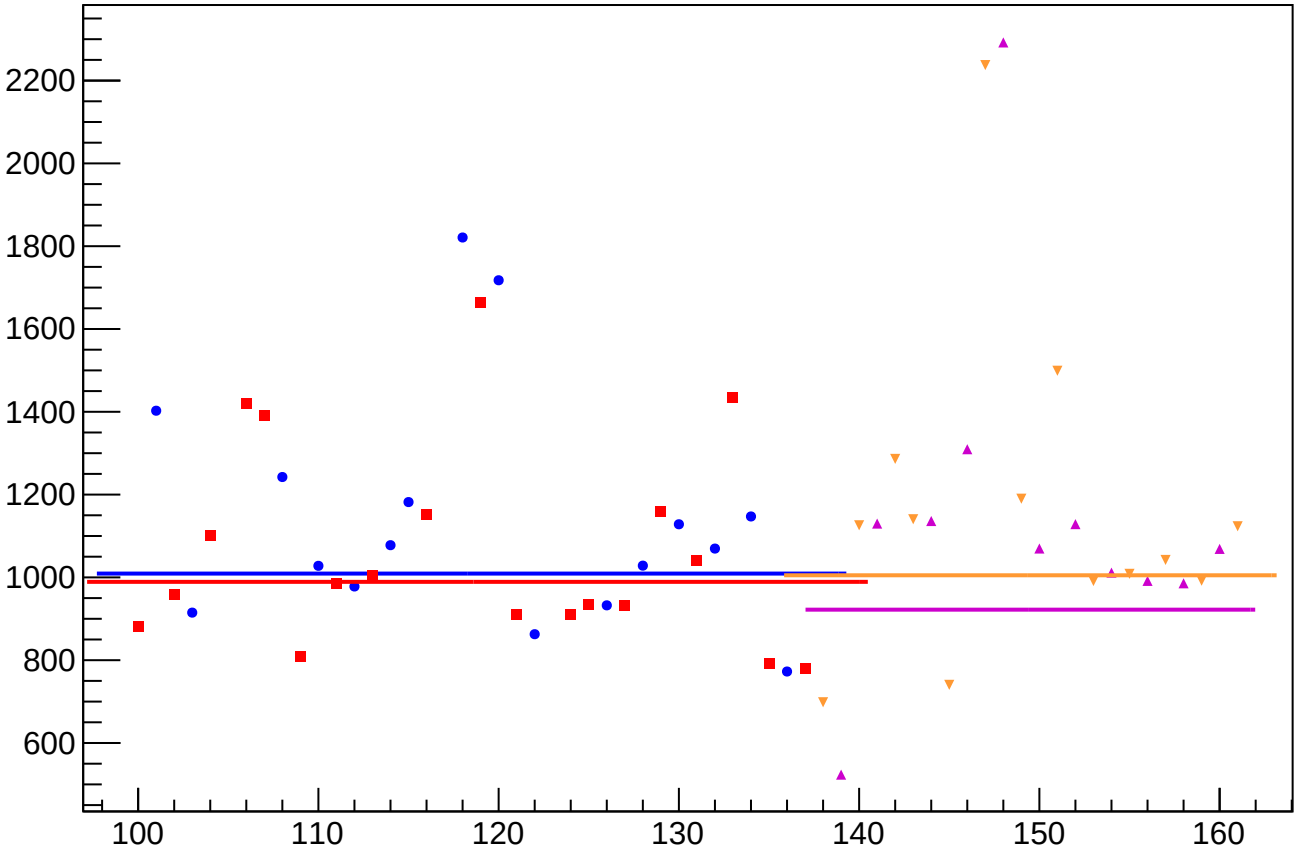
Left In: -0.021+/-0.319 χ^2/NDF:6.4/10

+ sign -0.005+/-0.250 χ^2/NDF: 17.3/28

All: -0.012+/-0.174 χ^2/NDF: 48.8/58

- sign -0.020+/-0.242 χ^2/NDF: 31.5/29

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1005.100+/-0.232 χ^2/NDF:1238558.9/12

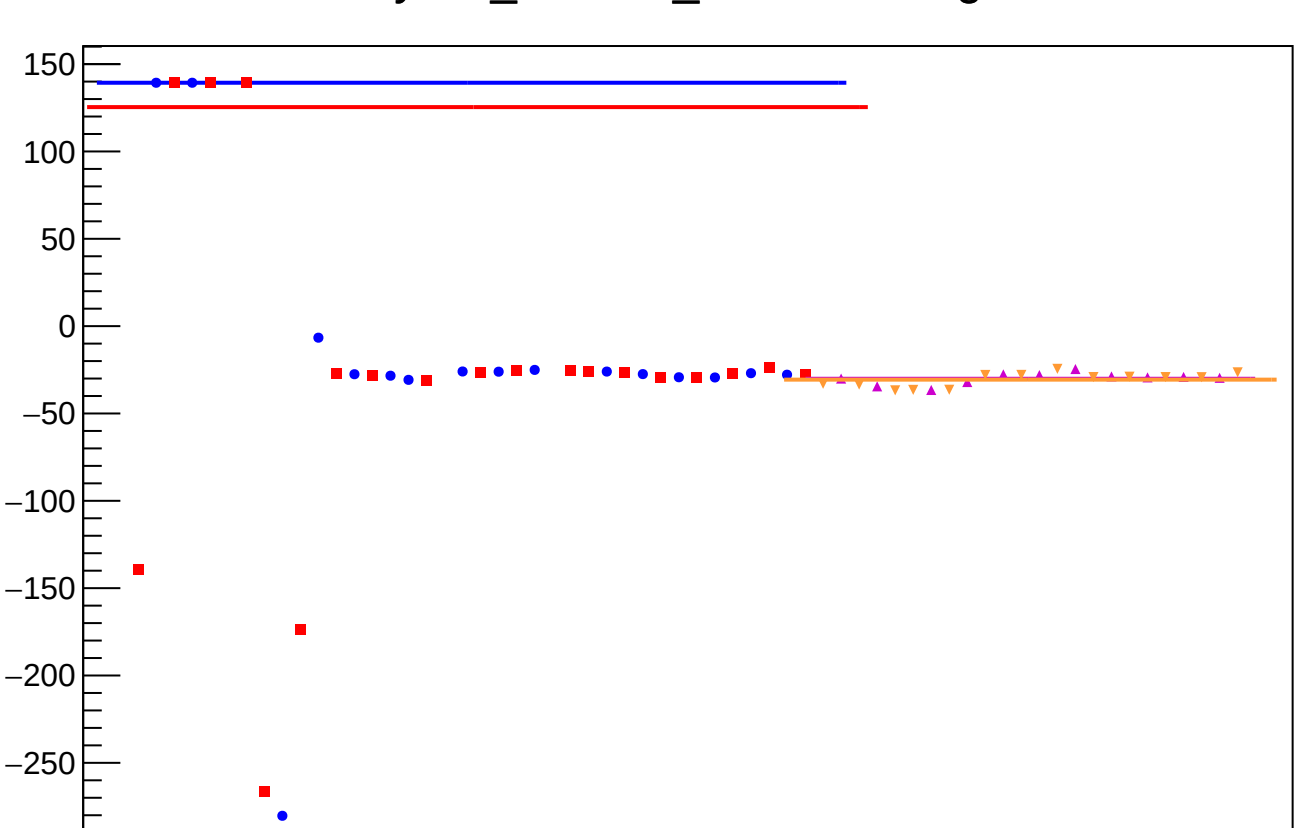
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 922.053+/-0.226 χ^2/NDF:1950114.5/10

+ sign 1006.831+/-0.177 χ^2/NDF: 1937994.9/28

All: 977.779+/-0.123 χ^2/NDF: 4553600.6/58

- sign 950.543+/-0.171 χ^2/NDF: 2563413.2/29



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -30.630+/-0.000 χ^2/NDF:86890505.4/12

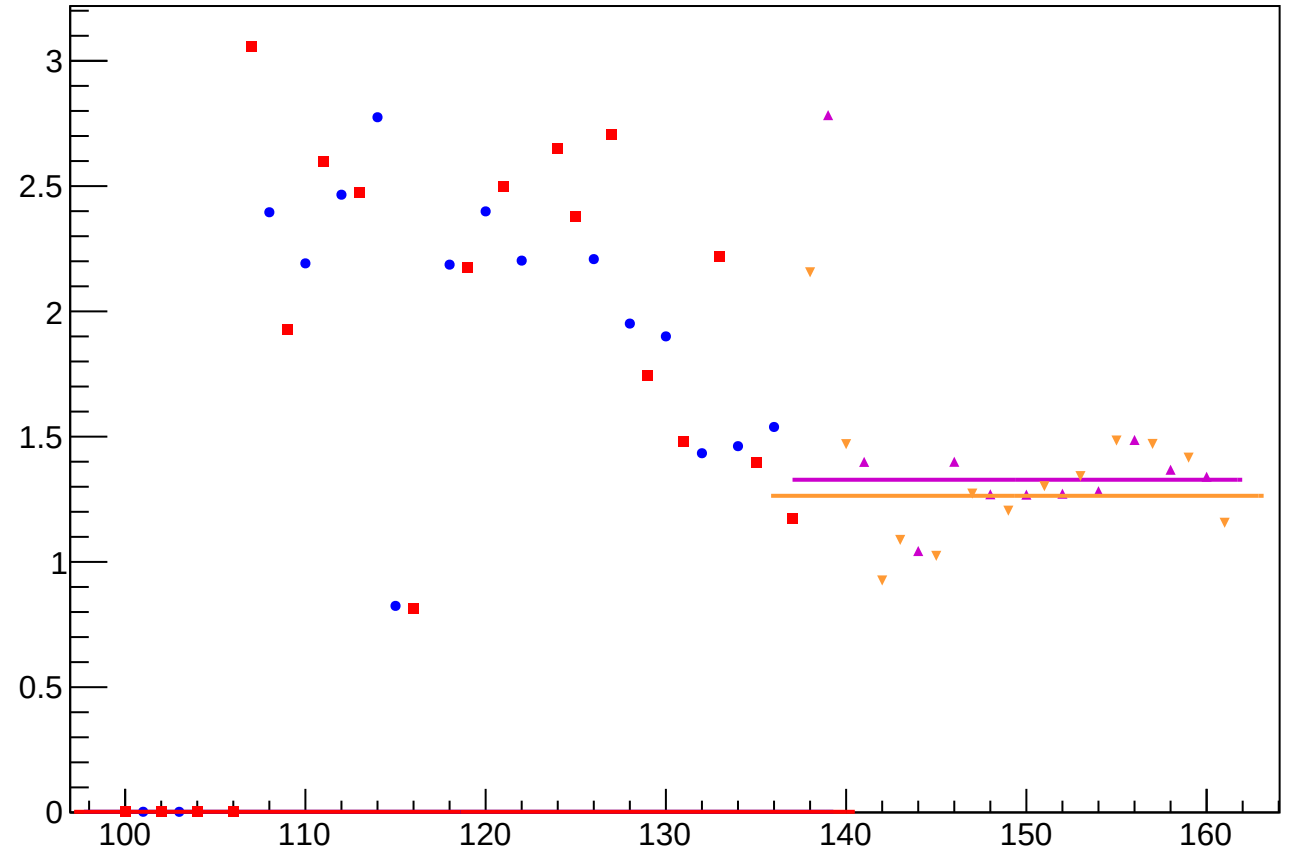
Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -30.124+/-0.000 χ^2/NDF:52392457.7/10

+ sign 139.332+/-0.000 χ^2/NDF: 193325136750.3/2

All: 131.814+/-0.000 χ^2/NDF: 79325131721

- sign 125.389+/-0.000 χ^2/NDF: 774277079375167



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.264+/-0.000 χ^2/NDF:517999.0/12

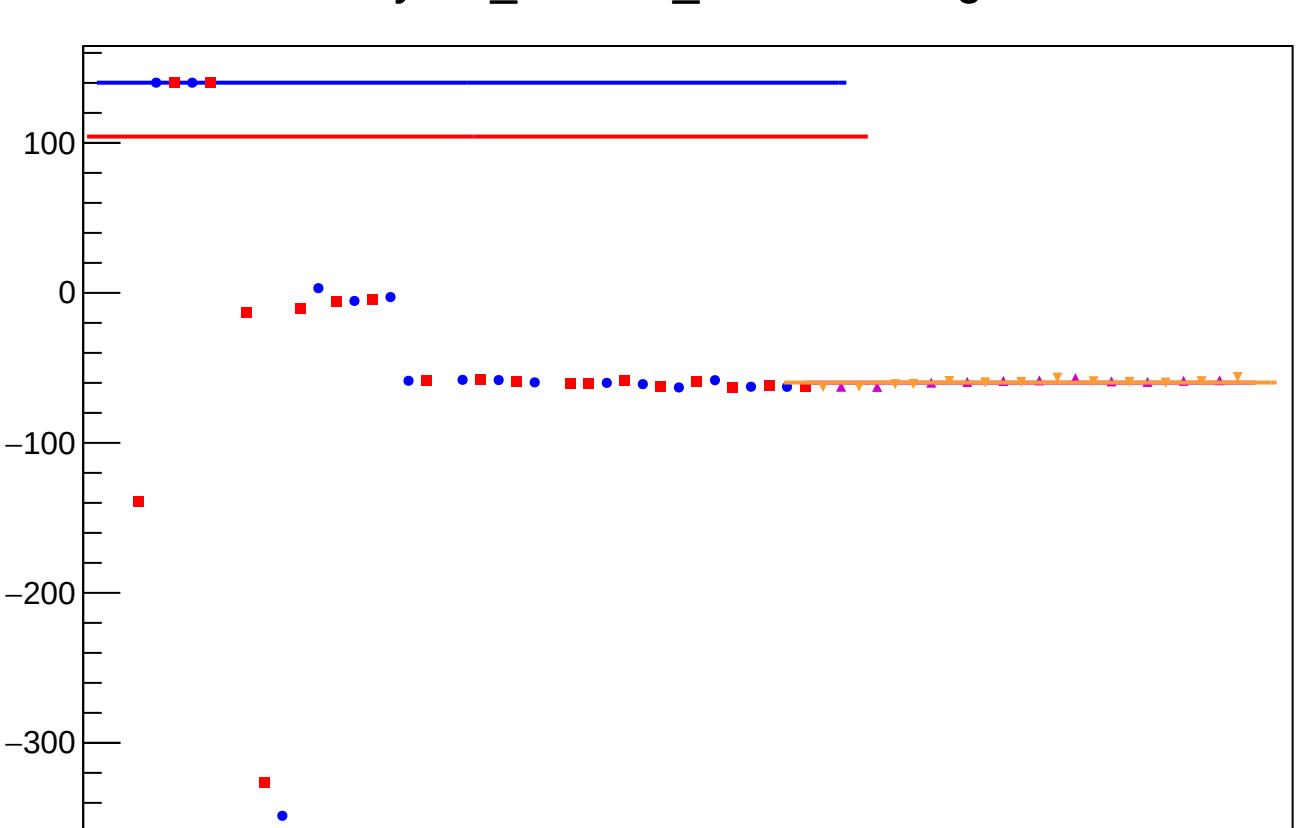
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.328+/-0.000 χ^2/NDF:583996.7/10

+ sign 0.003+/-0.000 χ^2/NDF: 26178377.4/28

All: 0.003+/-0.000 χ^2/NDF: 51589101.6/58

- sign 0.003+/-0.000 χ^2/NDF: 25410426.2/29



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.779+/-0.000 χ^2/NDF:64998398.9/12

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

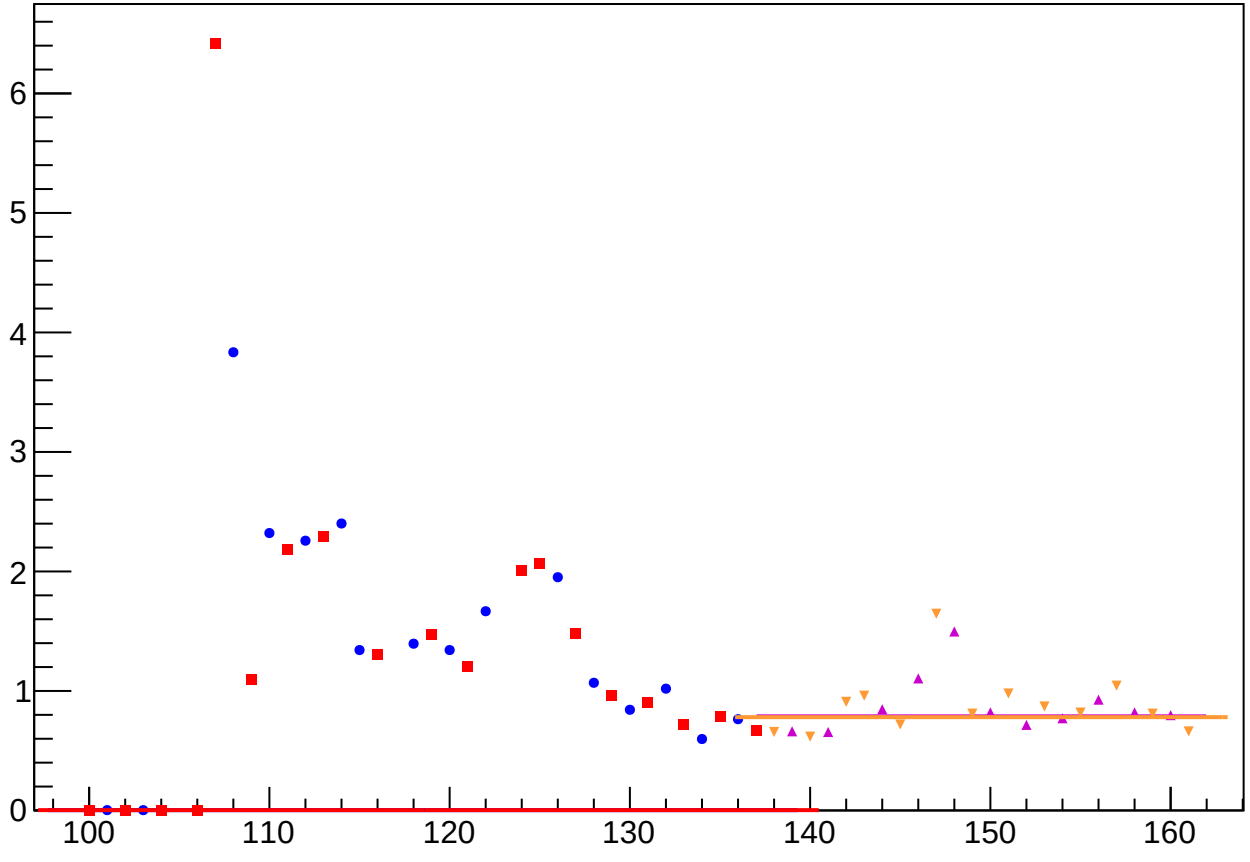
Left In: -59.857+/-0.000 χ^2/NDF:50125453.2/10

+ sign 140.129+/-0.000 χ^2/NDF: 694417028499.6/2

All: 120.820+/-0.000 χ^2/NDF: 13816856161

- sign 104.215+/-0.000 χ^2/NDF: 125771207632235

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.781+/-0.000 χ^2/NDF:819526.4/12

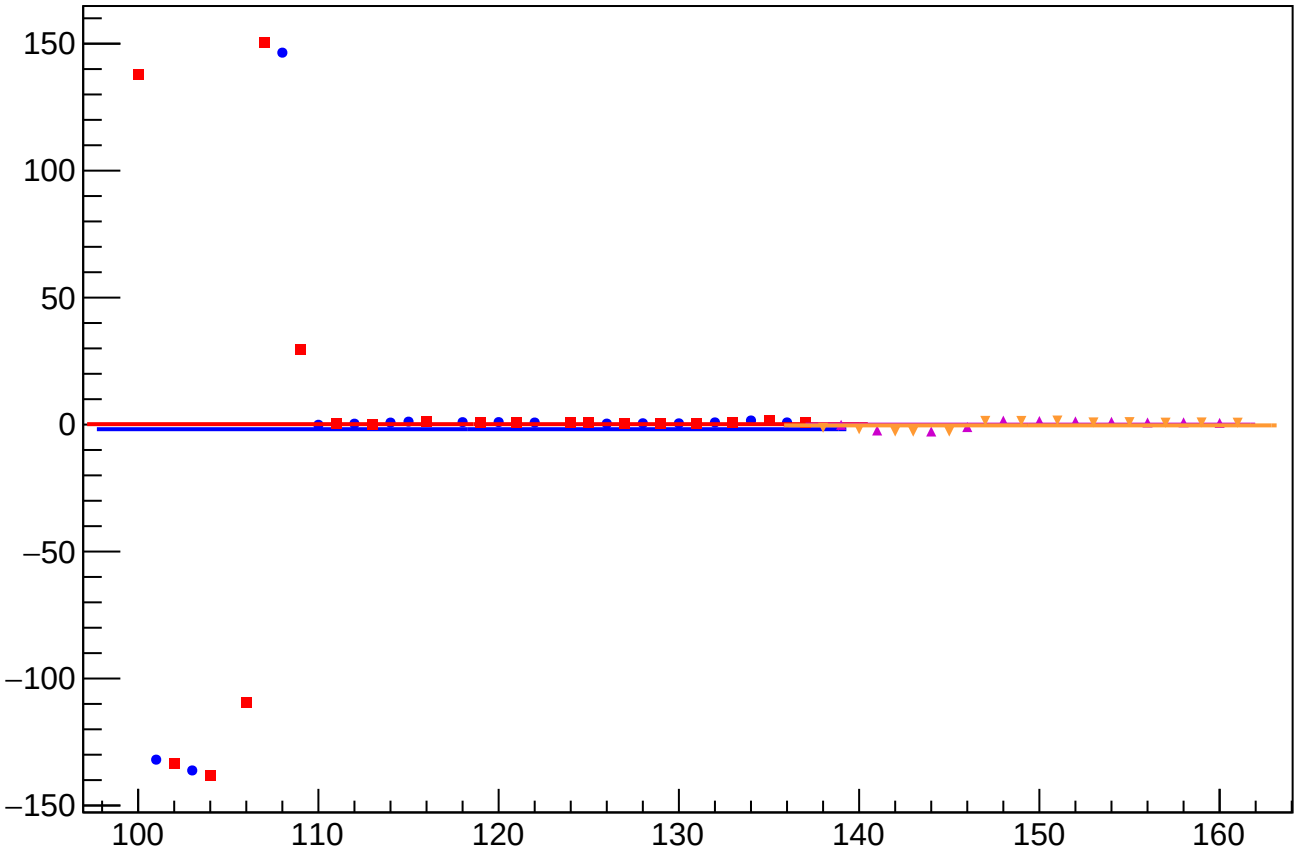
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.788+/-0.000 χ^2/NDF:599795.7/10

+ sign 0.003+/-0.000 χ^2/NDF: 26752437.7/28

All: 0.003+/-0.000 χ^2/NDF: 51813063.5/58

- sign 0.003+/-0.000 χ^2/NDF: 25060244.6/29



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.312+/-0.000 χ^2/NDF:86120221.3/12

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

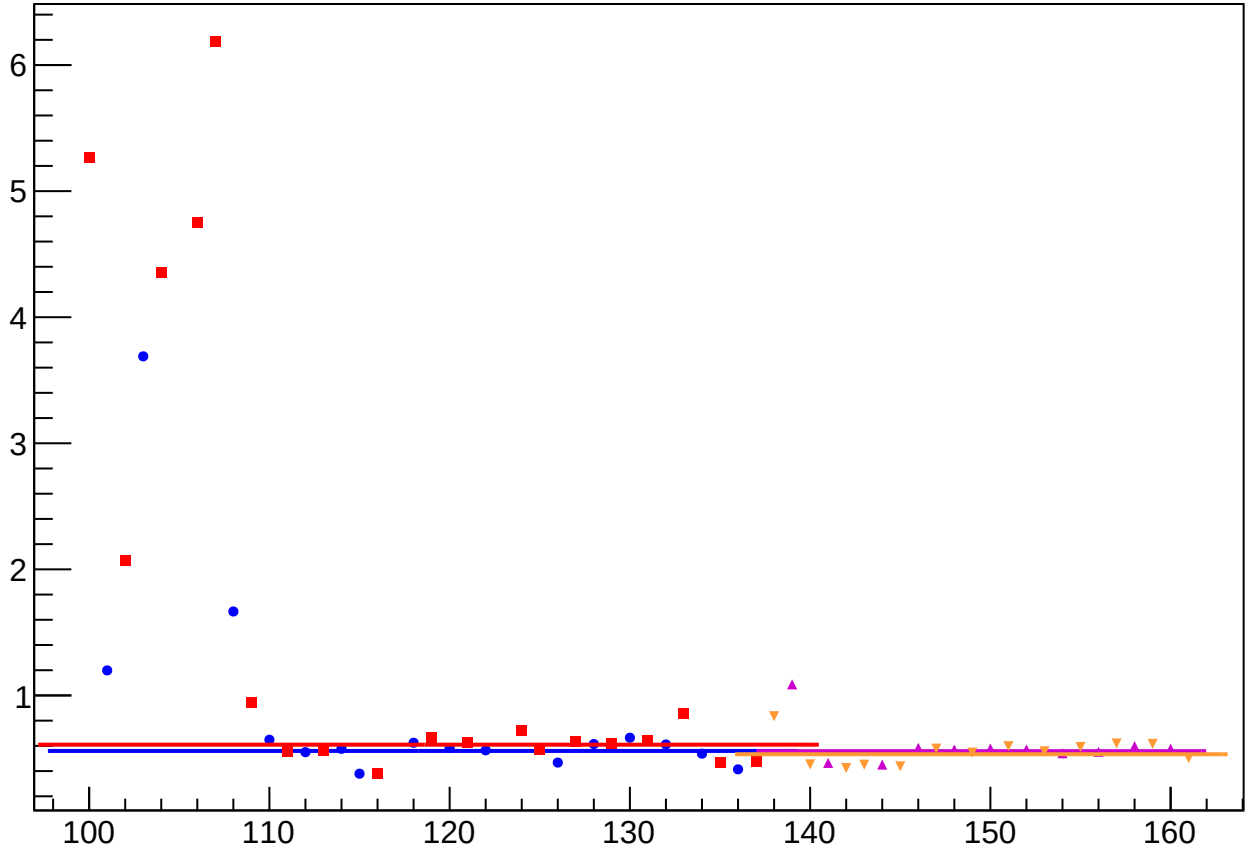
Left In: -0.016+/-0.000 χ^2/NDF:60611352.6/10

+ sign -0.860+/-0.000 χ^2/NDF: 9996567570.3/28

All: -0.443+/-0.000 χ^2/NDF: 13685490005.6/

- sign 0.048+/-0.000 χ^2/NDF: 3672138671.7/29

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.534+/-0.000 χ^2/NDF:441078.3/12

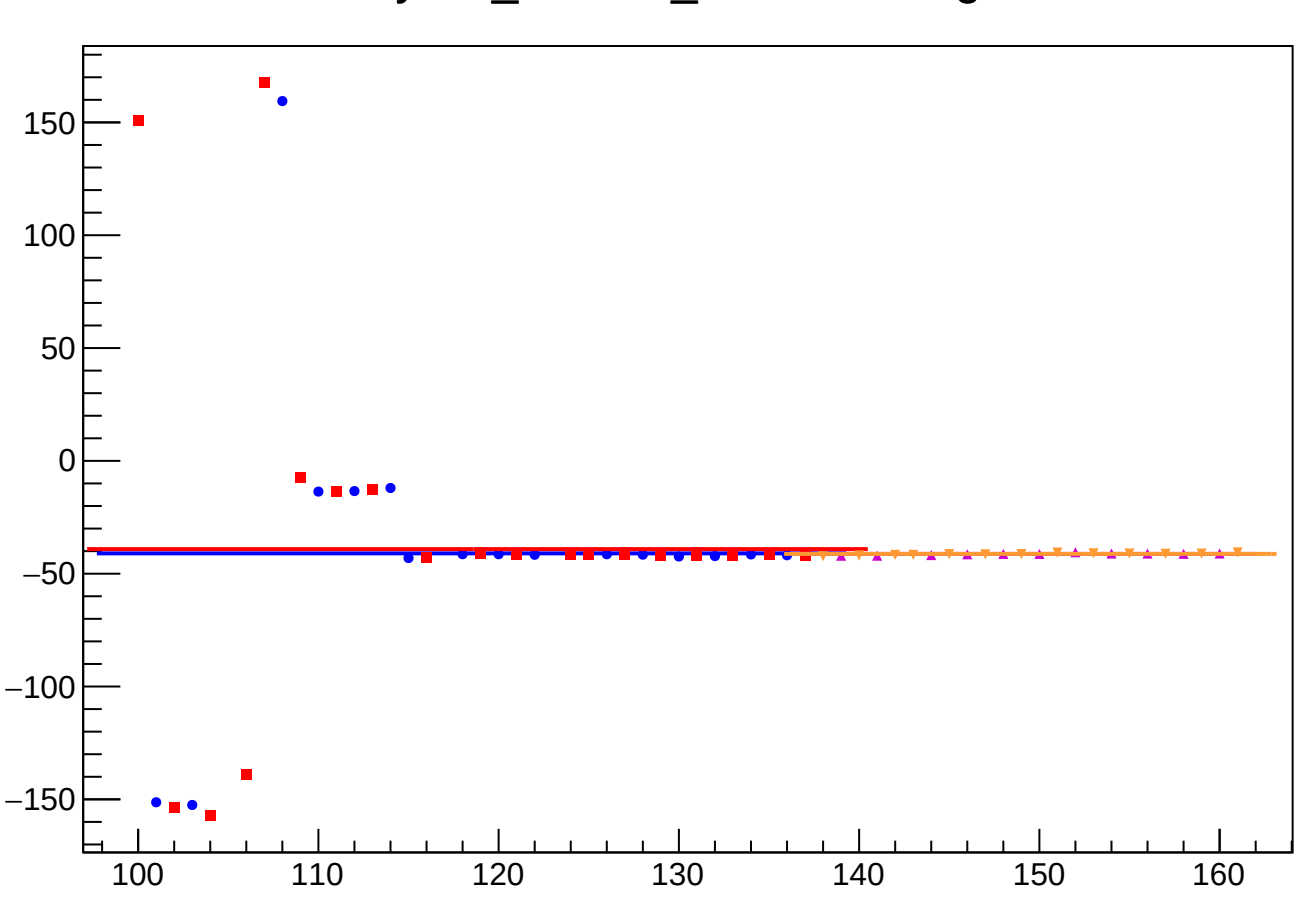
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.558+/-0.000 χ^2/NDF:536828.5/10

+ sign 0.543+/-0.000 χ^2/NDF: 2053528.0/28

All: 0.558+/-0.000 χ^2/NDF: 5156300.1/58

- sign 0.576+/-0.000 χ^2/NDF: 3058155.2/29



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.224+/-0.000 χ^2/NDF:13480172.2/12

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

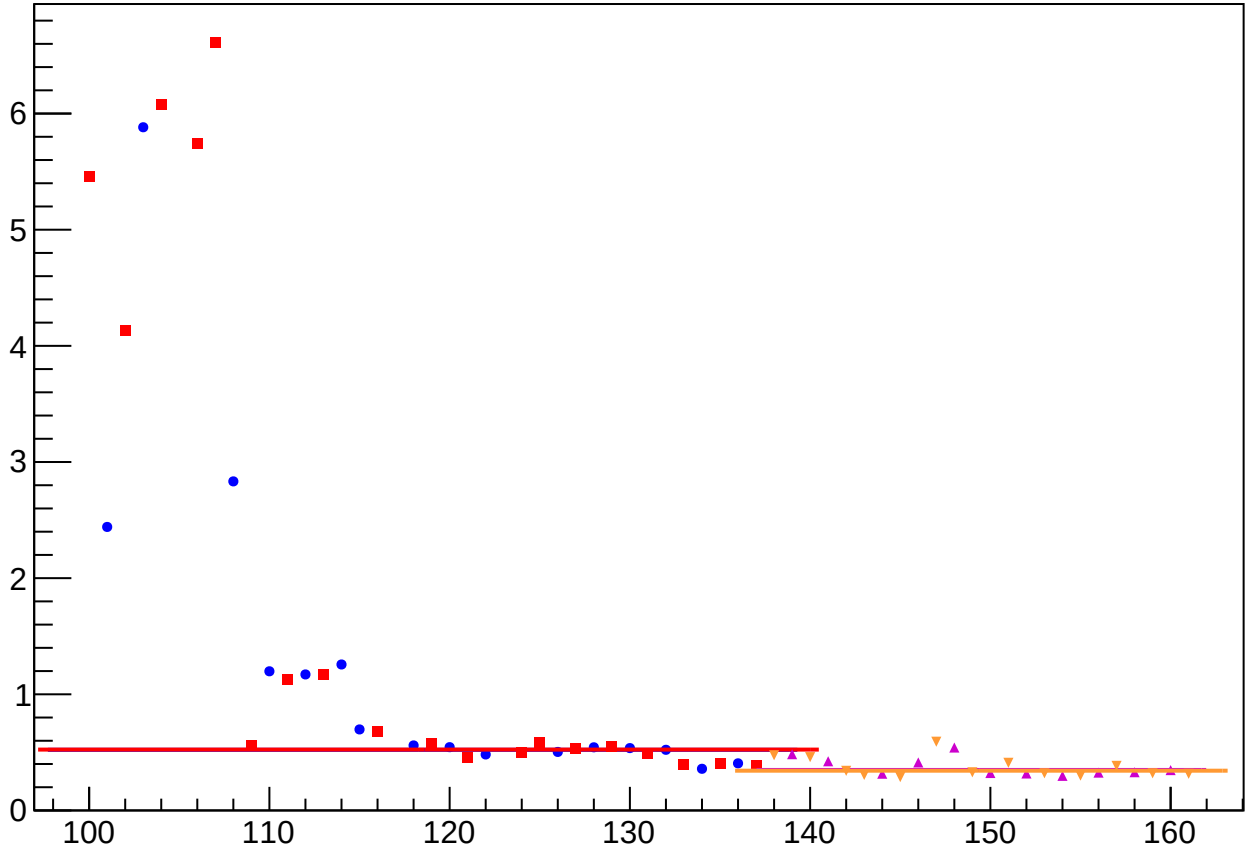
Left In: -41.236+/-0.000 χ^2/NDF:12285997.2/10

+ sign -41.180+/-0.000 χ^2/NDF: 3463948086.7/28

All: -41.005+/-0.000 χ^2/NDF: 6028191270.0/

- sign -40.812+/-0.000 χ^2/NDF: 2557840987.1/29

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.342+/-0.000 χ^2/NDF:688887.1/12

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

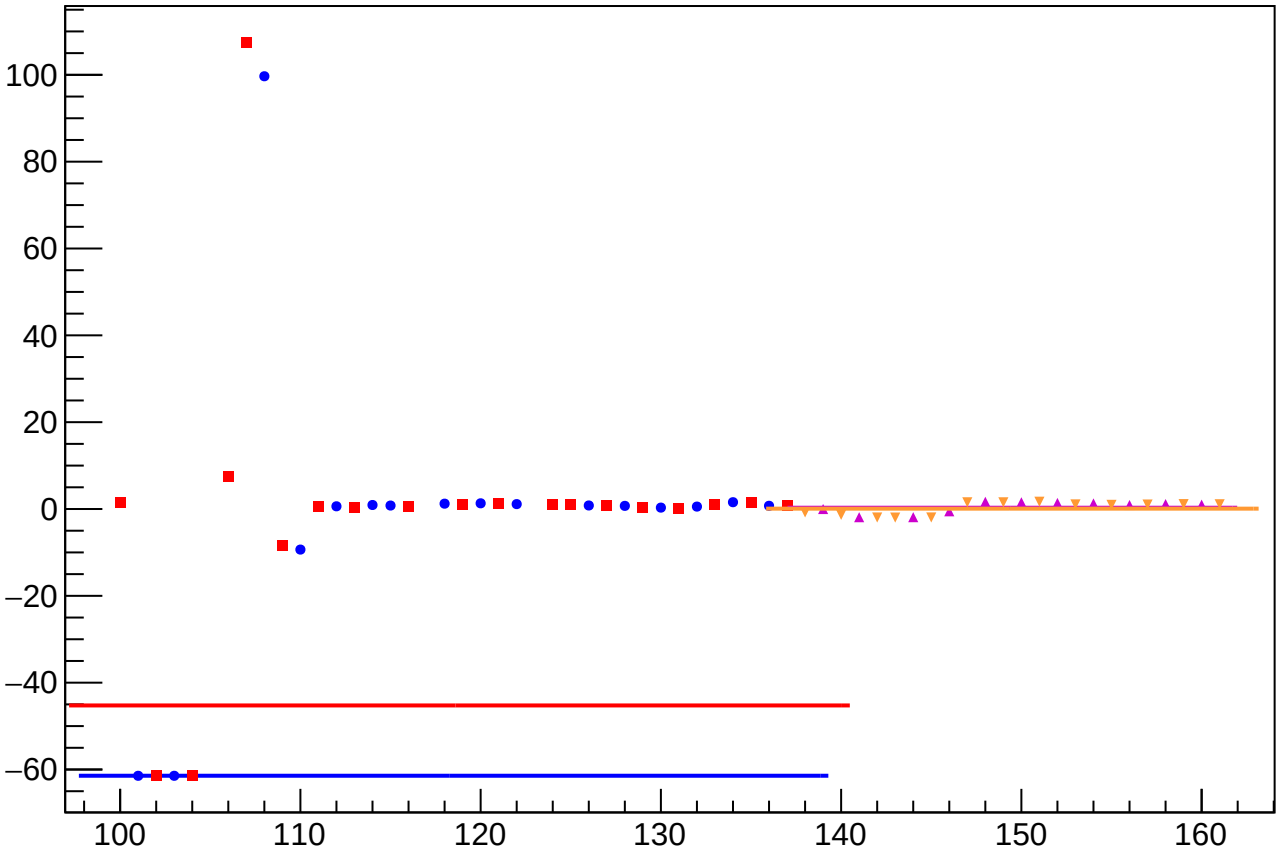
Left In: 0.349+/-0.000 χ^2/NDF:515362.0/10

+ sign 0.376+/-0.000 χ^2/NDF: 4608049.0/28

All: 0.379+/-0.000 χ^2/NDF: 9275855.5/58

- sign 0.383+/-0.000 χ^2/NDF: 4662167.2/29

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.081+/-0.000 χ^2/NDF:87125323.6/12

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

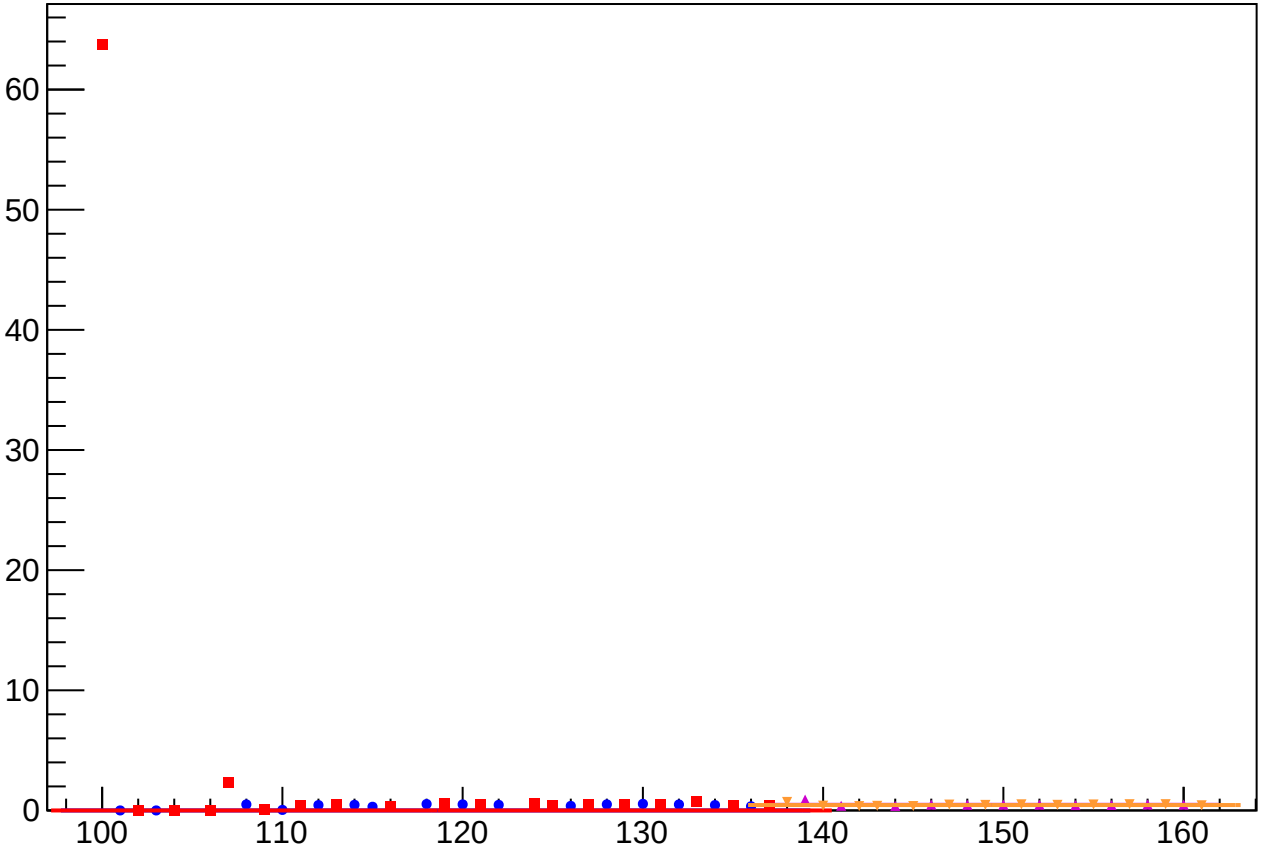
Left In: 0.295+/-0.000 χ^2/NDF:65646389.4/10

+ sign -61.429+/-0.000 χ^2/NDF: 423405226556.3/2

All: -52.744+/-0.000 χ^2/NDF: 409329435449

- sign -45.241+/-0.000 χ^2/NDF: 357941792803719.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.451+/-0.000 χ^2/NDF:431089.1/12

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

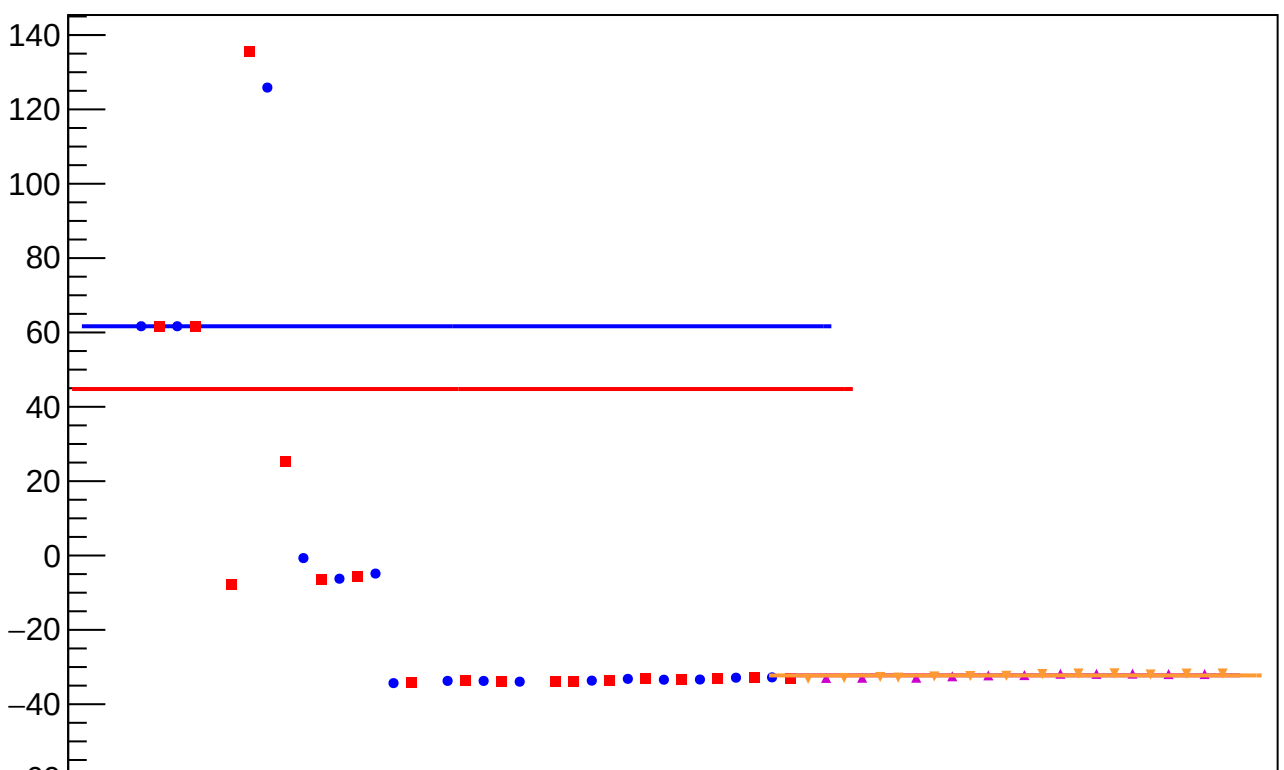
Left In: 0.469+/-0.000 χ^2/NDF:533323.4/10

+ sign 0.002+/-0.000 χ^2/NDF: 25598505.2/28

All: 0.002+/-0.000 χ^2/NDF: 50514112.2/58

- sign 0.002+/-0.000 χ^2/NDF: 24915539.6/29

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.256+/-0.000 χ^2/NDF:27838680.9/12

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

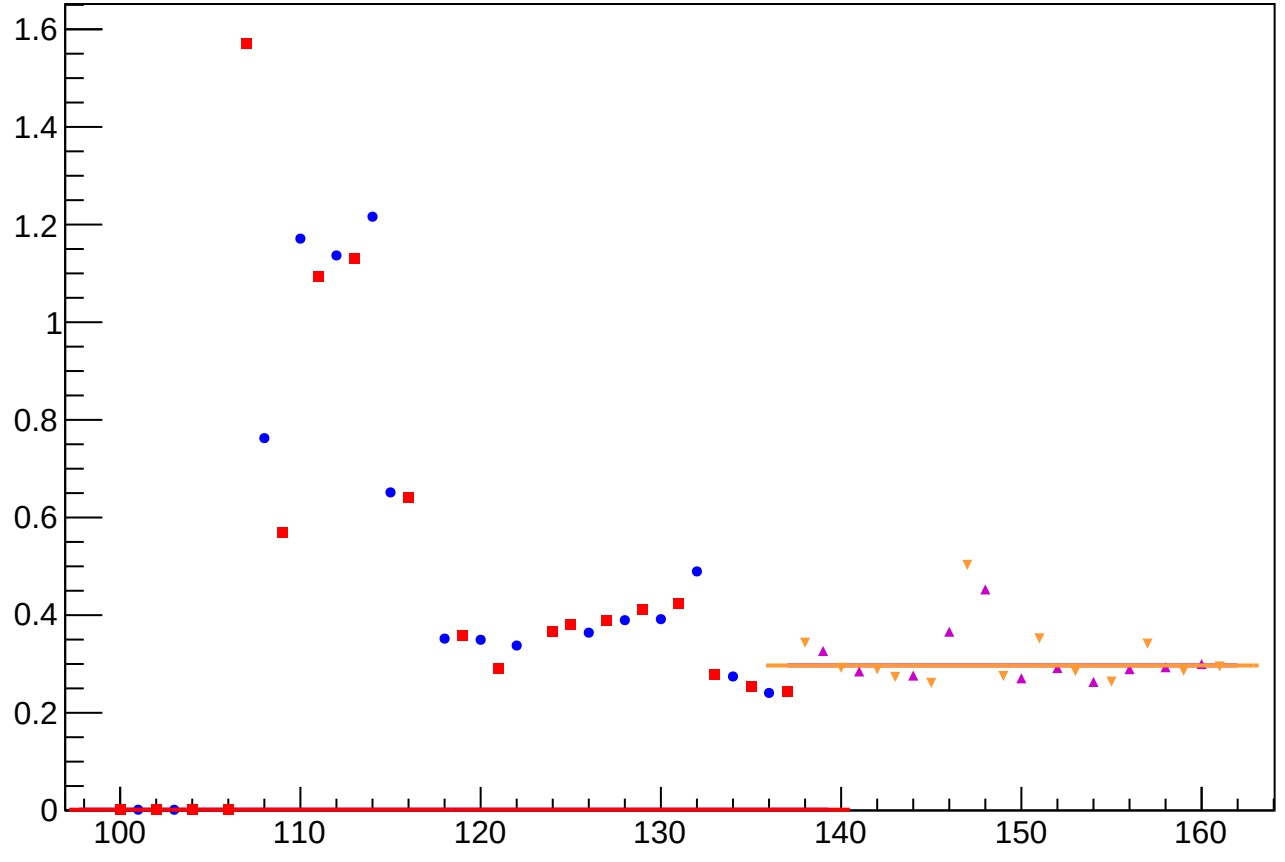
Left In: -32.224+/-0.000 χ^2/NDF:21115963.6/10

+ sign 61.631+/-0.000 χ^2/NDF: 1341487223862.8/2

All: 52.663+/-0.000 χ^2/NDF: 419101538367

- sign 44.765+/-0.000 χ^2/NDF: 366702041335300.

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.297+/-0.000 χ^2/NDF:443280.3/12

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

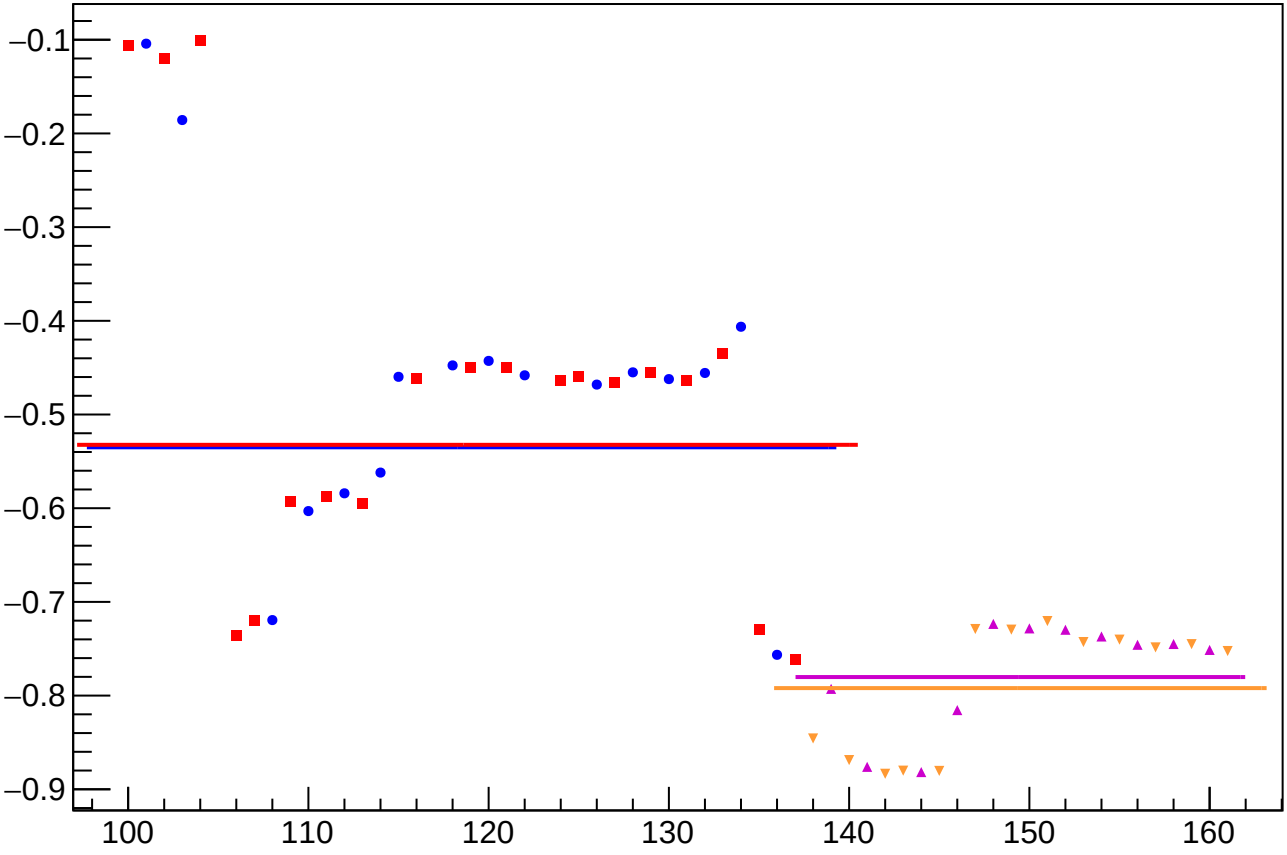
Left In: 0.297+/-0.000 χ^2/NDF:319176.2/10

+ sign 0.002+/-0.000 χ^2/NDF: 30701982.0/28

All: 0.002+/-0.000 χ^2/NDF: 59474964.9/58

- sign 0.002+/-0.000 χ^2/NDF: 28772982.2/29

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.792+/-0.000 χ^2/NDF:96099460.8/12

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

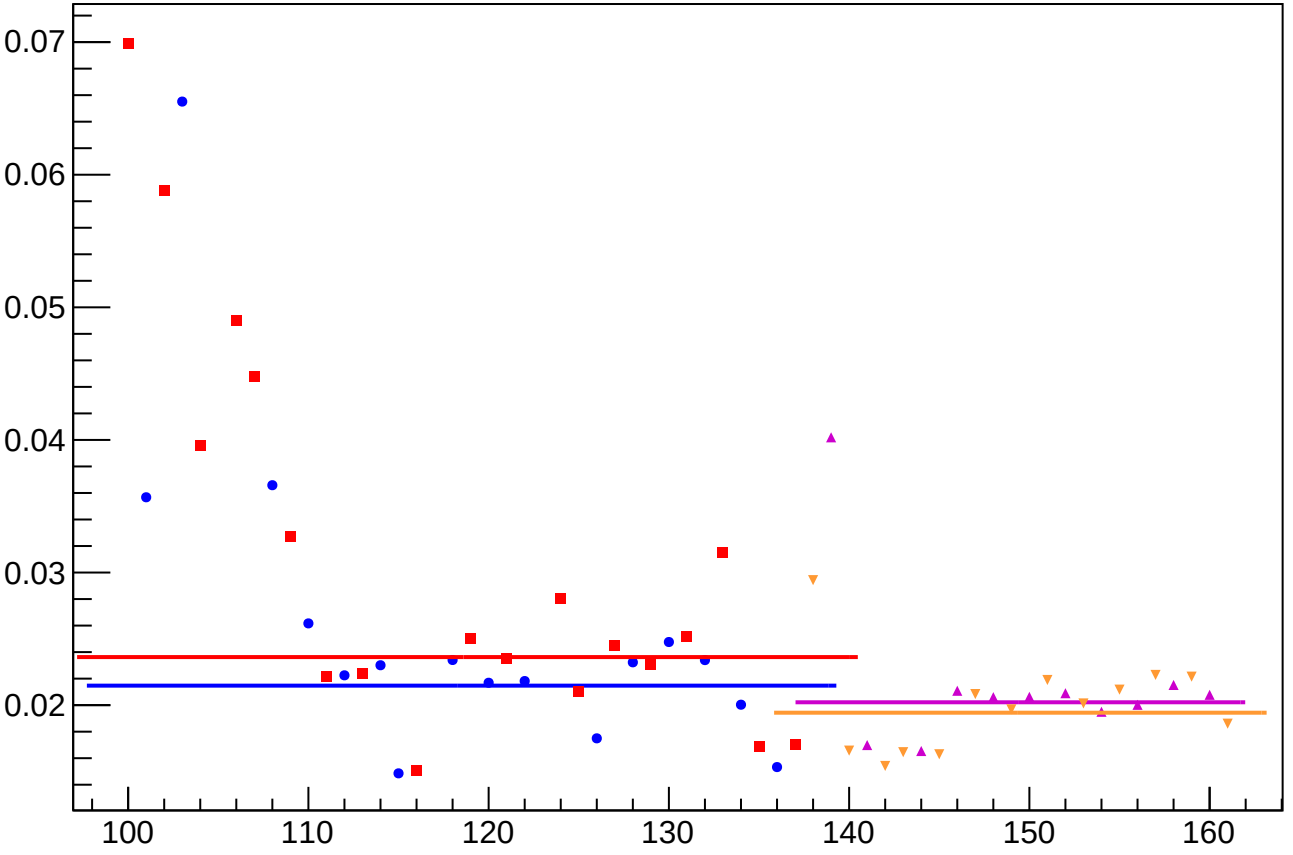
Left In: -0.780+/-0.000 χ^2/NDF:68987178.0/10

+ sign -0.701+/-0.000 χ^2/NDF: 893531110.5/28

All: -0.697+/-0.000 χ^2/NDF: 1575847196.9/5

- sign -0.693+/-0.000 χ^2/NDF: 681317867.5/29

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:385620.5/12

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

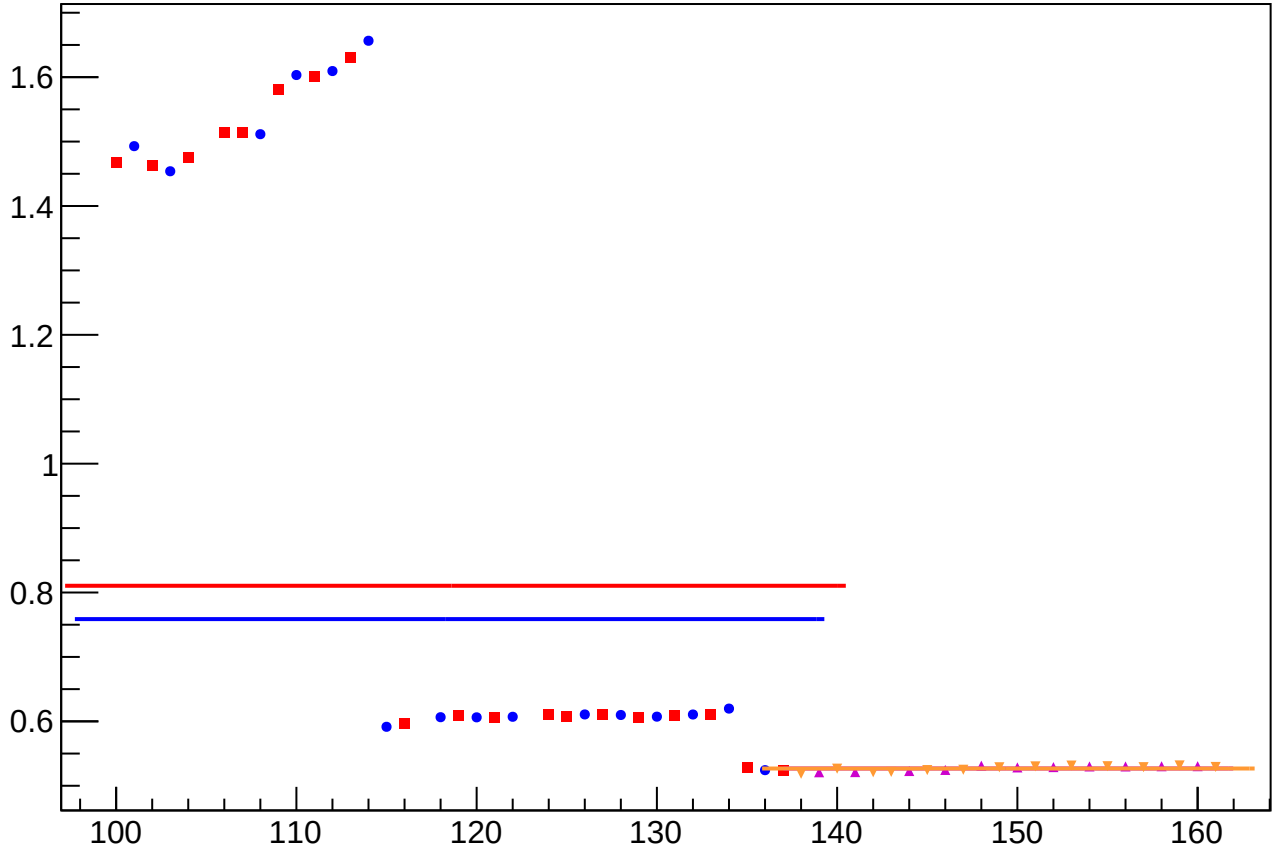
Left In: 0.020+/-0.000 χ^2/NDF:537812.8/10

+ sign 0.020+/-0.000 χ^2/NDF: 1602235.6/28

All: 0.021+/-0.000 χ^2/NDF: 3616573.6/58

- sign 0.021+/-0.000 χ^2/NDF: 1965699.5/29

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.527+/-0.000 χ^2/NDF:1113434.9/12

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

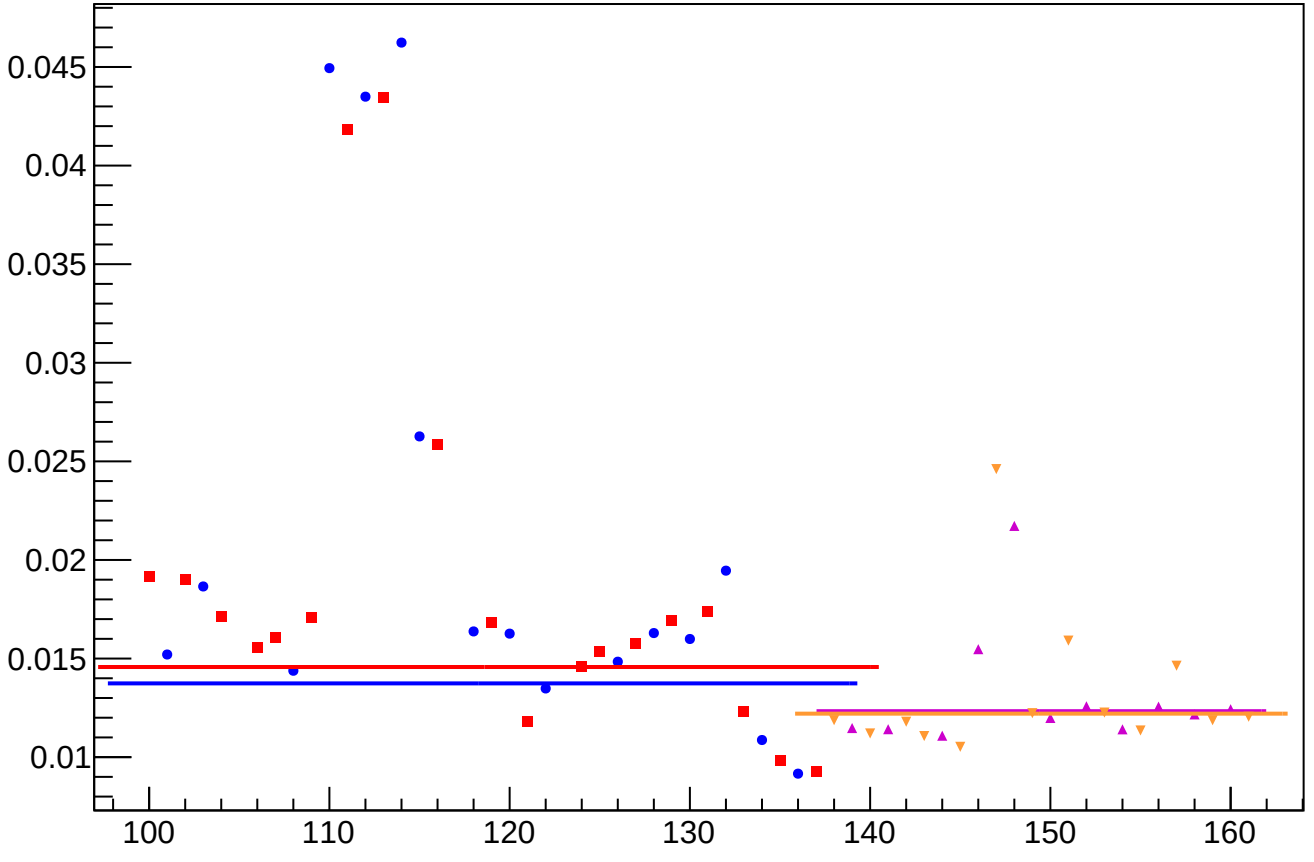
Left In: 0.527+/-0.000 χ^2/NDF:871916.7/10

+ sign 0.603+/-0.000 χ^2/NDF: 5447369312.9/28

All: 0.611+/-0.000 χ^2/NDF: 11813305035.7/5

- sign 0.621+/-0.000 χ^2/NDF: 6350436553.4/29

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:613507.8/12

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

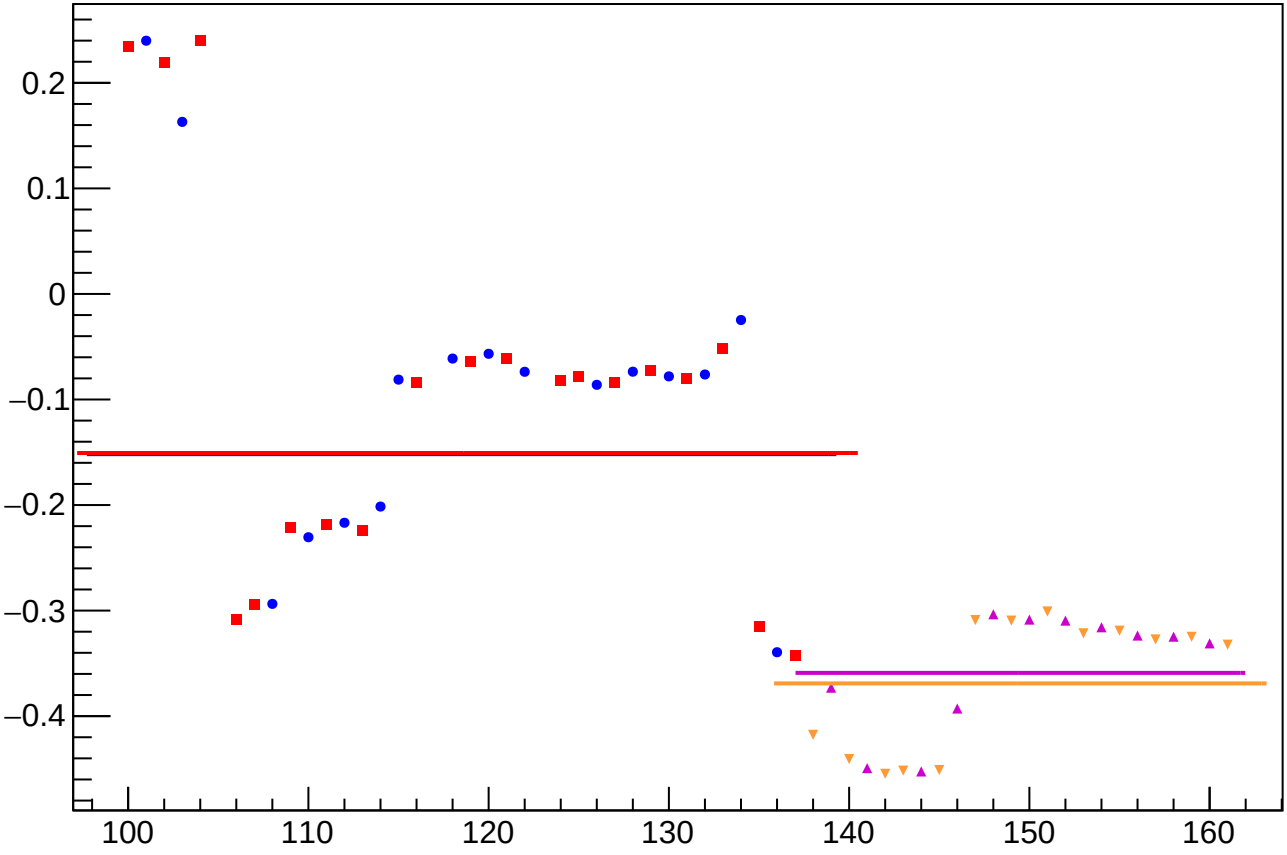
Left In: 0.012+/-0.000 χ^2/NDF:416343.5/10

+ sign 0.013+/-0.000 χ^2/NDF: 2363313.7/28

All: 0.013+/-0.000 χ^2/NDF: 4444260.7/58

- sign 0.013+/-0.000 χ^2/NDF: 2068507.9/29

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.369+/-0.000 χ^2/NDF:93796590.4/12

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

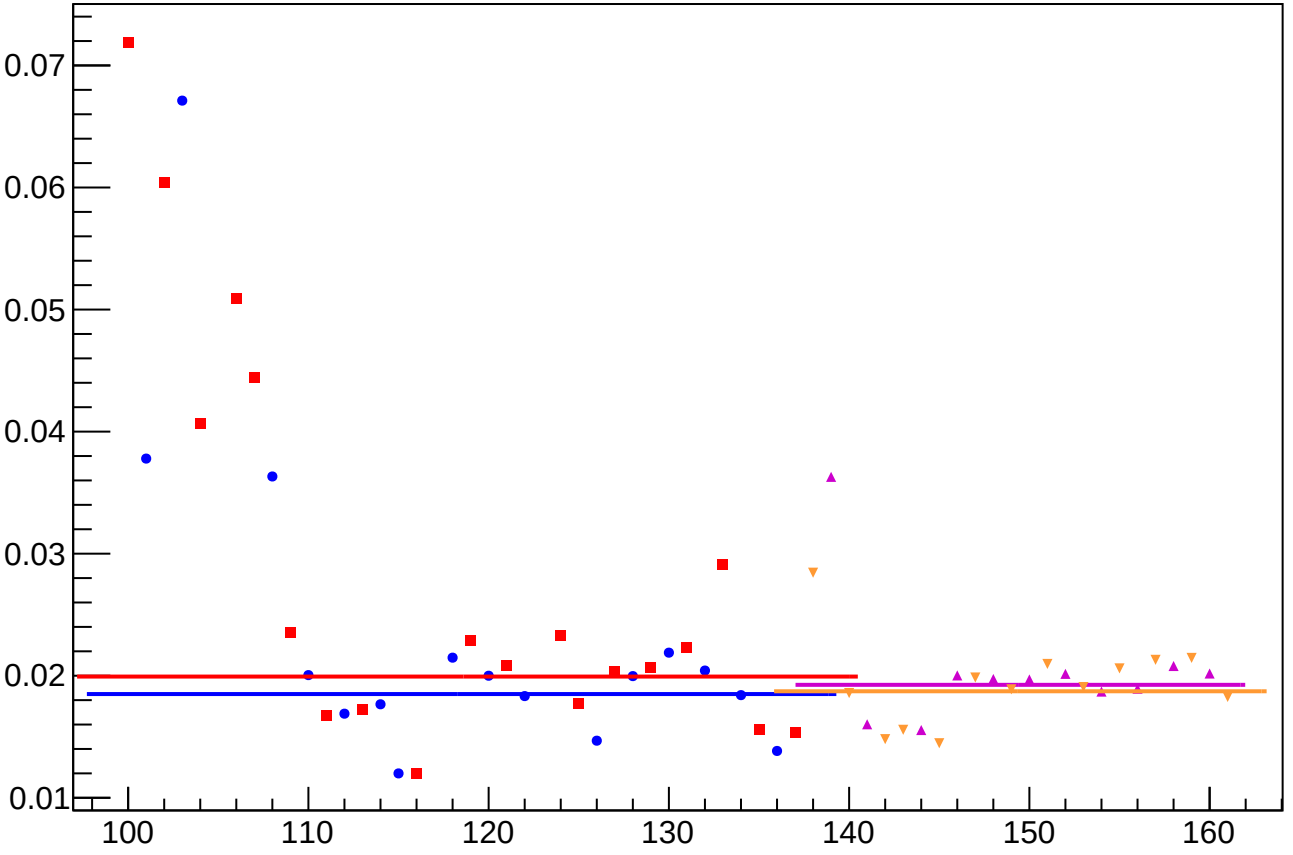
Left In: -0.359+/-0.000 χ^2/NDF:70234578.9/10

+ sign -0.282+/-0.000 χ^2/NDF: 807178685.6/28

All: -0.279+/-0.000 χ^2/NDF: 1434126602.4/5

- sign -0.276+/-0.000 χ^2/NDF: 626137411.0/29

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.019+/-0.000 χ^2/NDF:422839.3/12

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

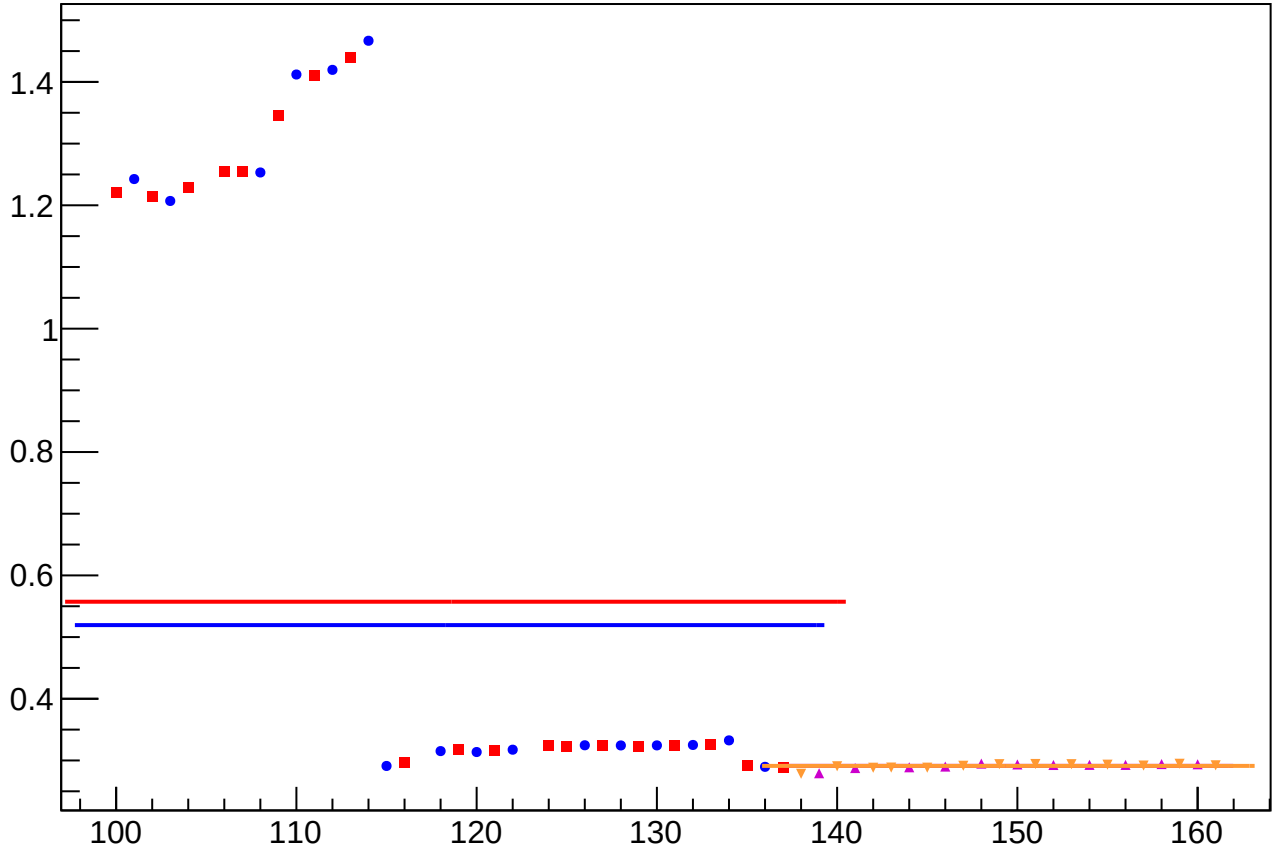
Left In: 0.019+/-0.000 χ^2/NDF:516234.0/10

+ sign 0.019+/-0.000 χ^2/NDF: 1796156.7/28

All: 0.019+/-0.000 χ^2/NDF: 3896232.0/58

- sign 0.020+/-0.000 χ^2/NDF: 2071339.4/29

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1131658.9/12

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

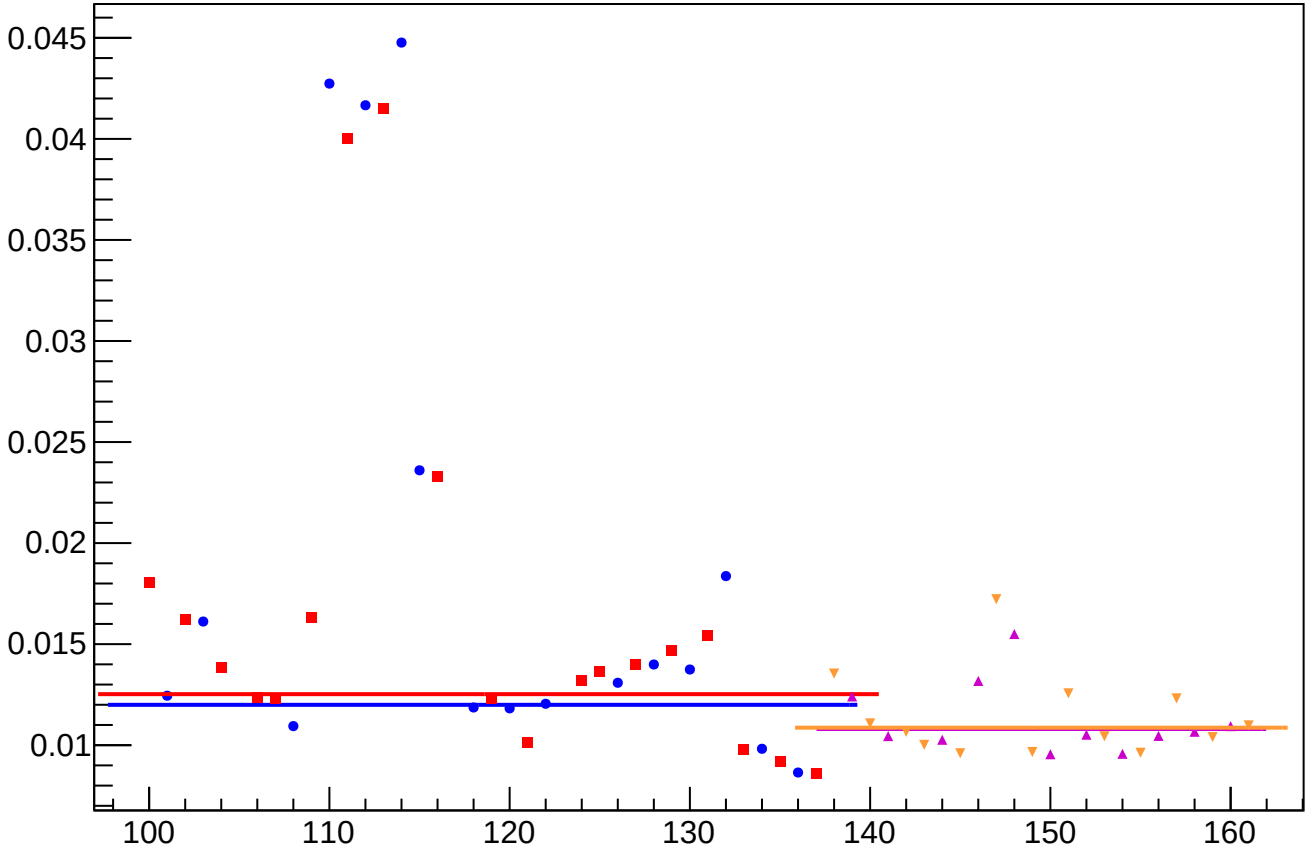
Left In: 0.291+/-0.000 χ^2/NDF:1167400.4/10

+ sign 0.368+/-0.000 χ^2/NDF: 7755137808.1/28

All: 0.374+/-0.000 χ^2/NDF: 16350843354.9/5

- sign 0.380+/-0.000 χ^2/NDF: 8586055582.9/29

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:423813.7/12

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

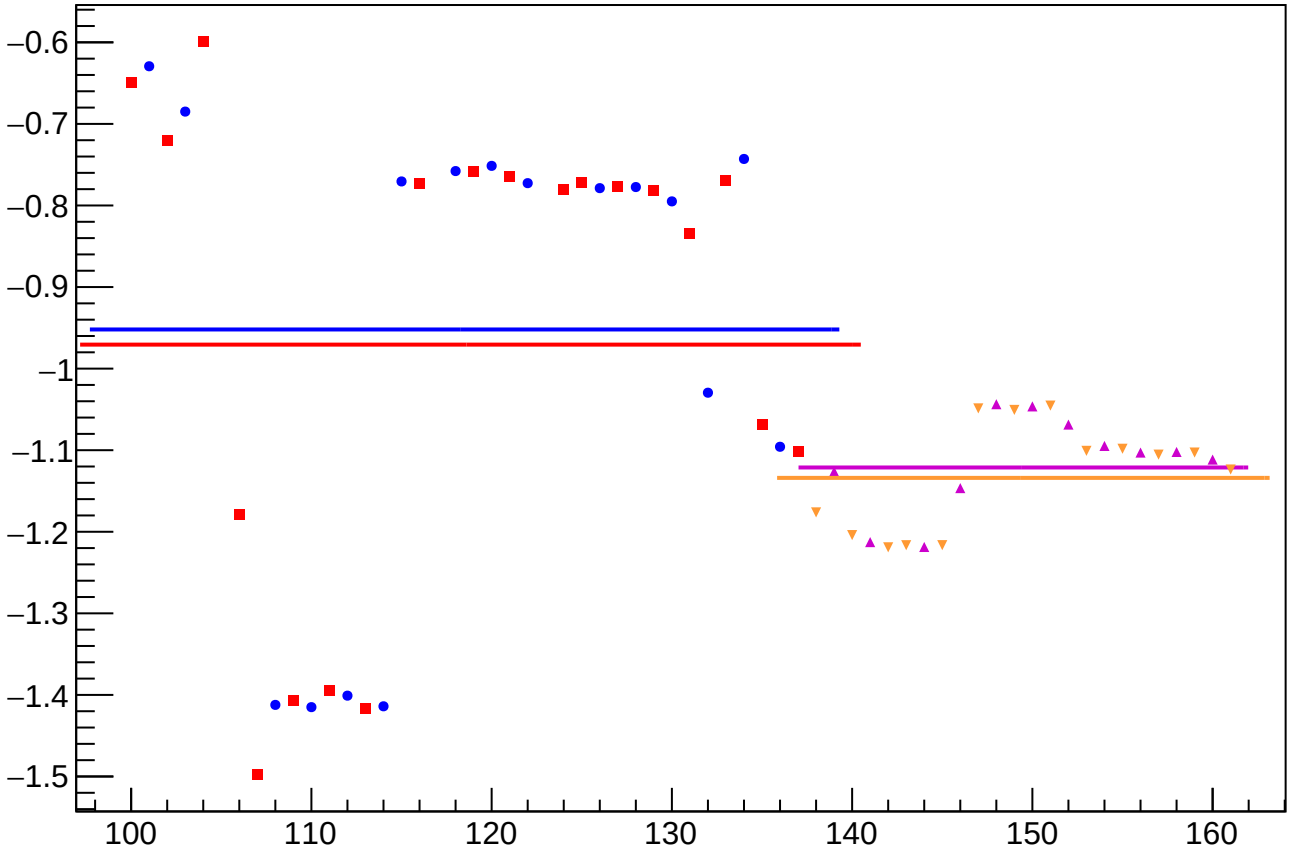
Left In: 0.011+/-0.000 χ^2/NDF:296258.8/10

+ sign 0.011+/-0.000 χ^2/NDF: 1985883.9/28

All: 0.011+/-0.000 χ^2/NDF: 3872913.5/58

- sign 0.011+/-0.000 χ^2/NDF: 1884901.7/29

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.134+/-0.000 χ^2/NDF:96234191.5/12

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

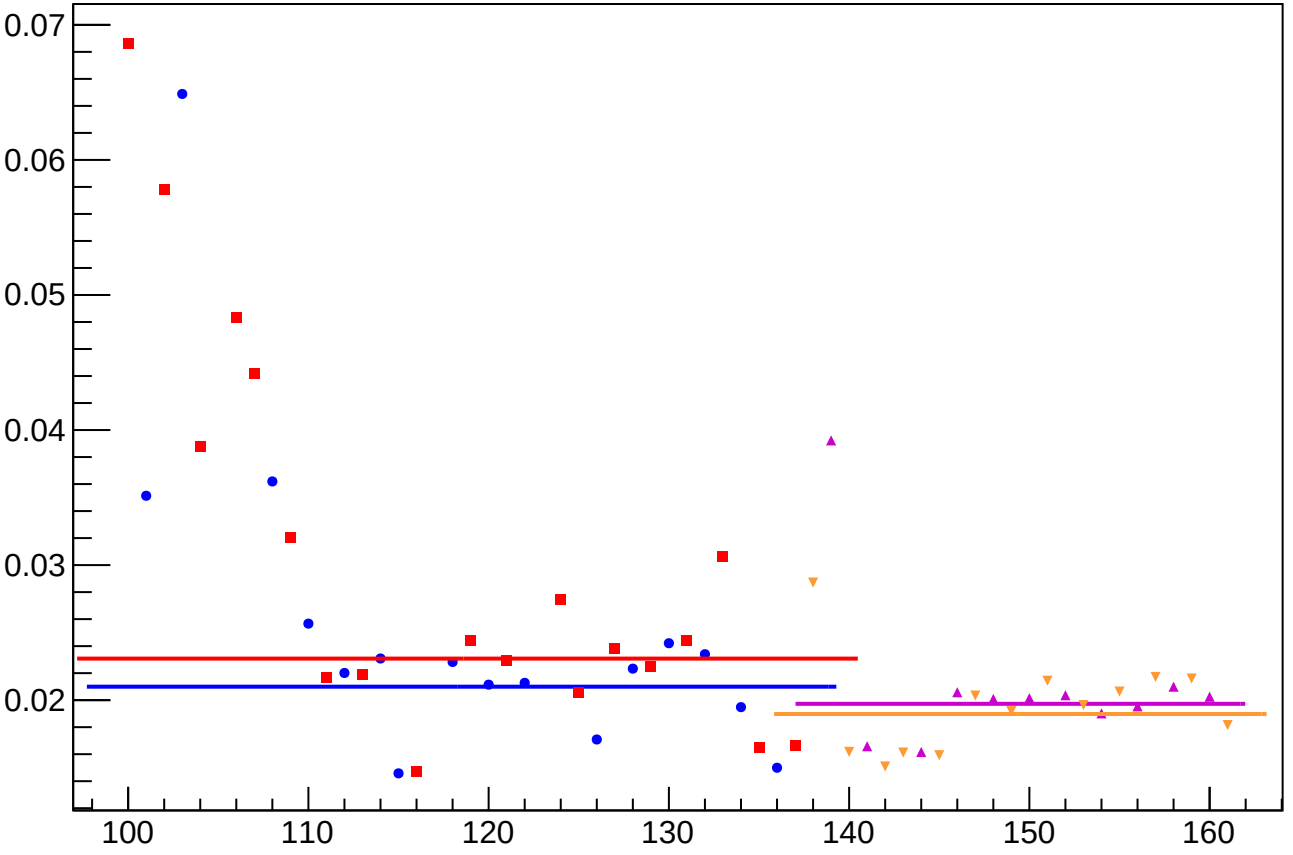
Left In: -1.121+/-0.000 χ^2/NDF:71333949.1/10

+ sign -1.070+/-0.000 χ^2/NDF: 1055988560.0/28

All: -1.069+/-0.000 χ^2/NDF: 1995747786.5/5

- sign -1.068+/-0.000 χ^2/NDF: 939728366.6/29

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:382049.0/12

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

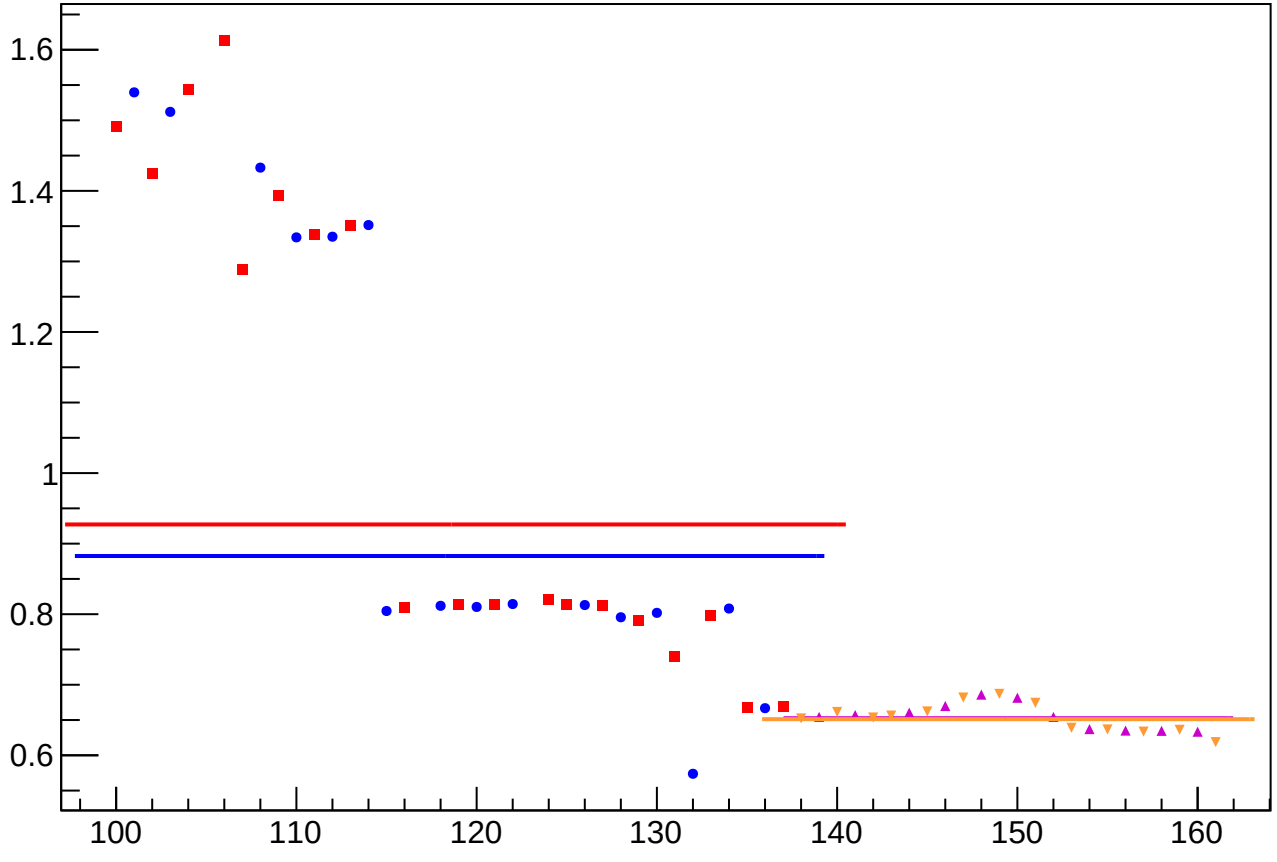
Left In: 0.020+/-0.000 χ^2/NDF:536651.4/10

+ sign 0.020+/-0.000 χ^2/NDF: 1613408.8/28

All: 0.020+/-0.000 χ^2/NDF: 3630637.7/58

- sign 0.021+/-0.000 χ^2/NDF: 1970095.5/29

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.651+/-0.000 χ^2/NDF:22200022.2/12

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

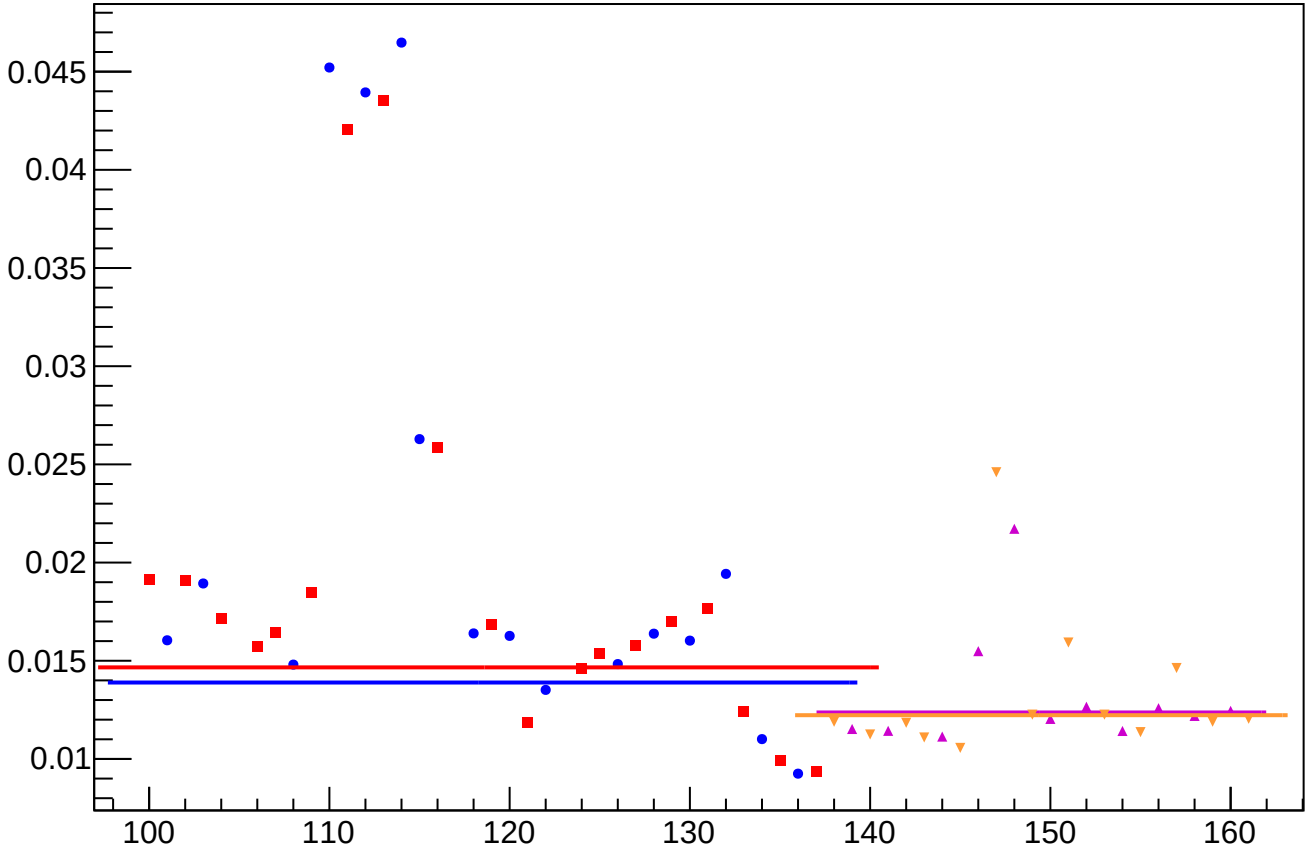
Left In: 0.653+/-0.000 χ^2/NDF:15534776.4/10

+ sign 0.726+/-0.000 χ^2/NDF: 3920747471.8/28

All: 0.734+/-0.000 χ^2/NDF: 8173847326.3/58

- sign 0.743+/-0.000 χ^2/NDF: 4239394513.7/29

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:608384.6/12

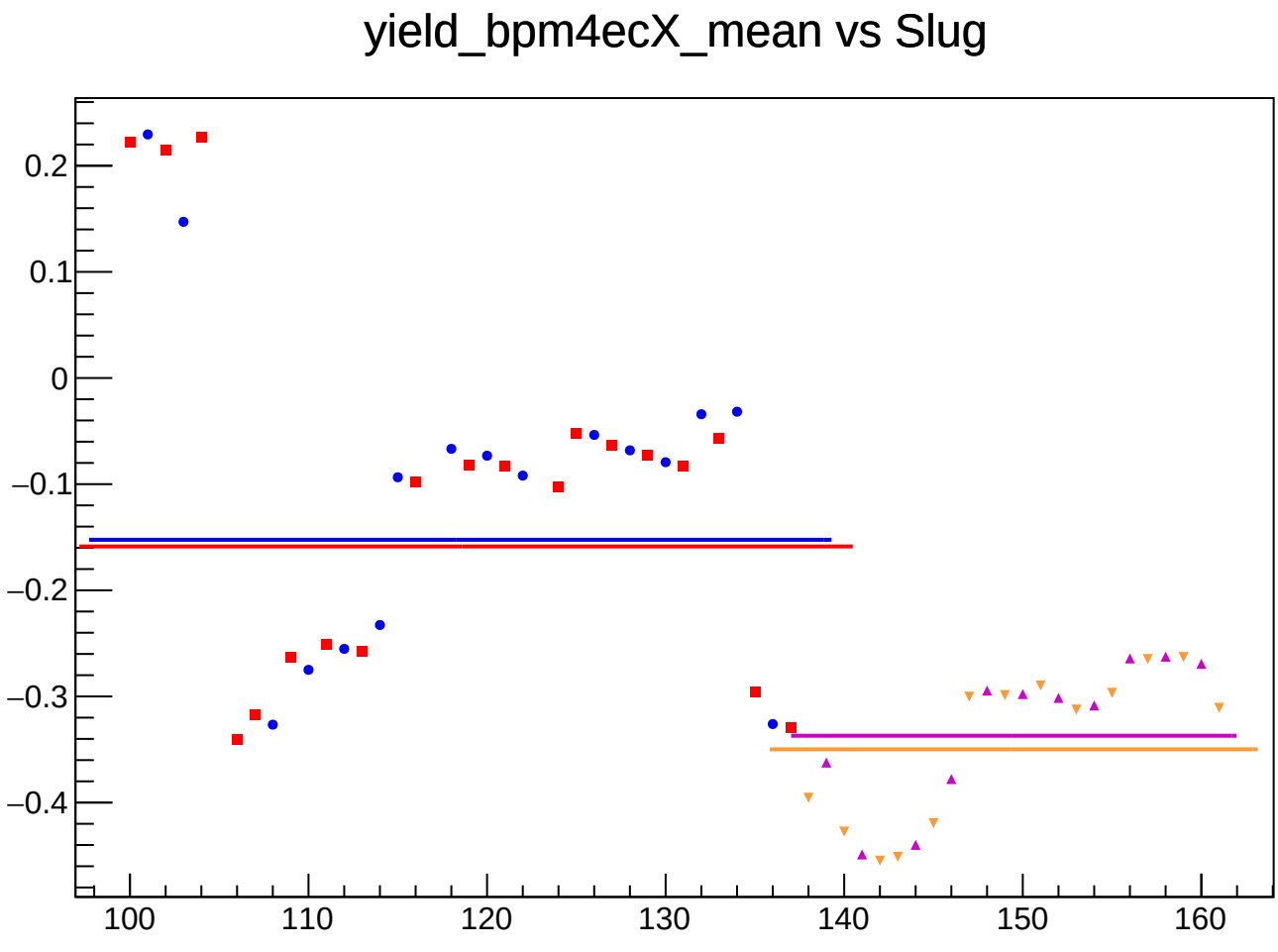
Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:412758.2/10

+ sign 0.013+/-0.000 χ^2/NDF: 2370414.0/28

All: 0.013+/-0.000 χ^2/NDF: 4466209.5/58

- sign 0.013+/-0.000 χ^2/NDF: 2084023.8/29



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.350+/-0.000 χ^2/NDF:114509460.2/12

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

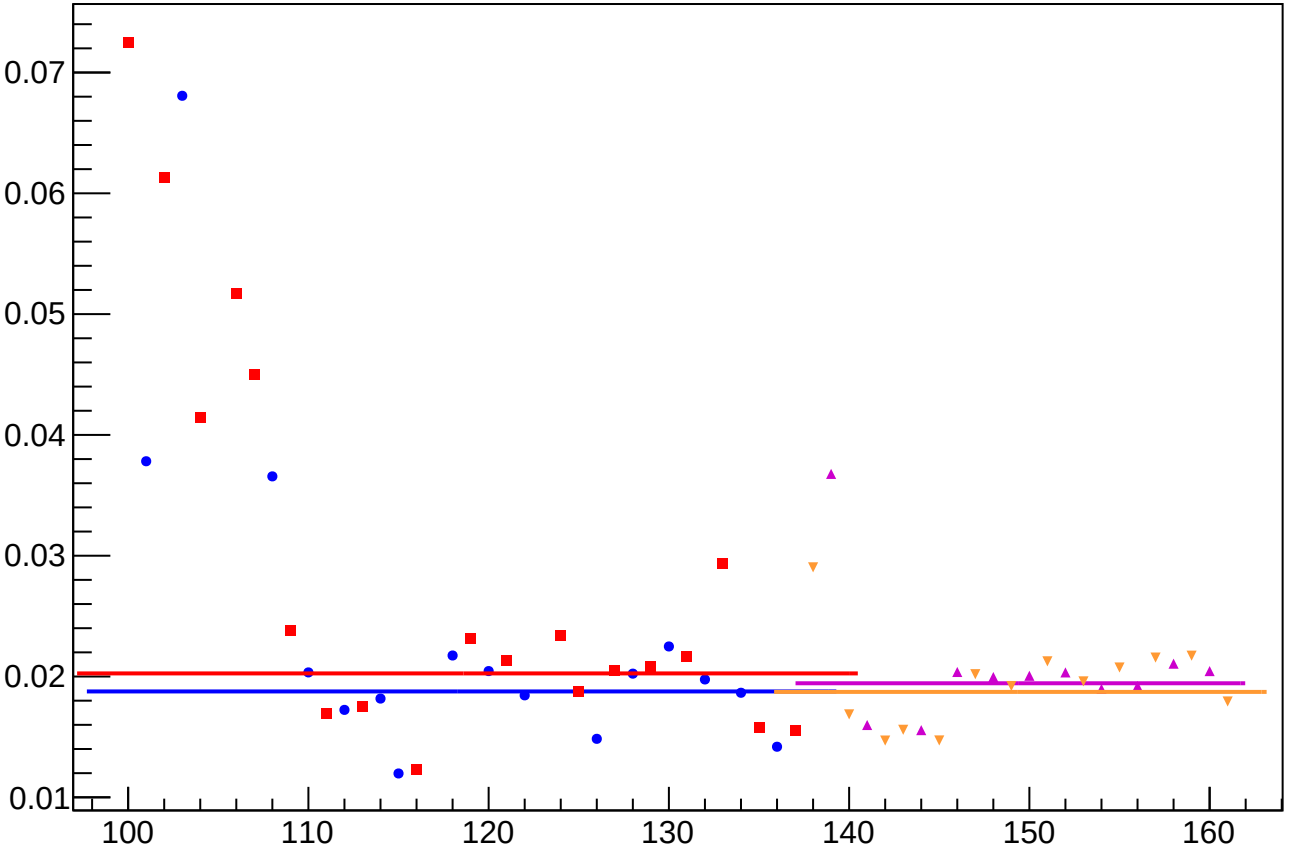
Left In: -0.337+/-0.000 χ^2/NDF:99290838.3/10

+ sign -0.272+/-0.000 χ^2/NDF: 742634292.9/28

All: -0.269+/-0.000 χ^2/NDF: 1292192749.2/5

- sign -0.266+/-0.000 χ^2/NDF: 548946549.2/29

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.019+/-0.000 χ^2/NDF:460993.7/12

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

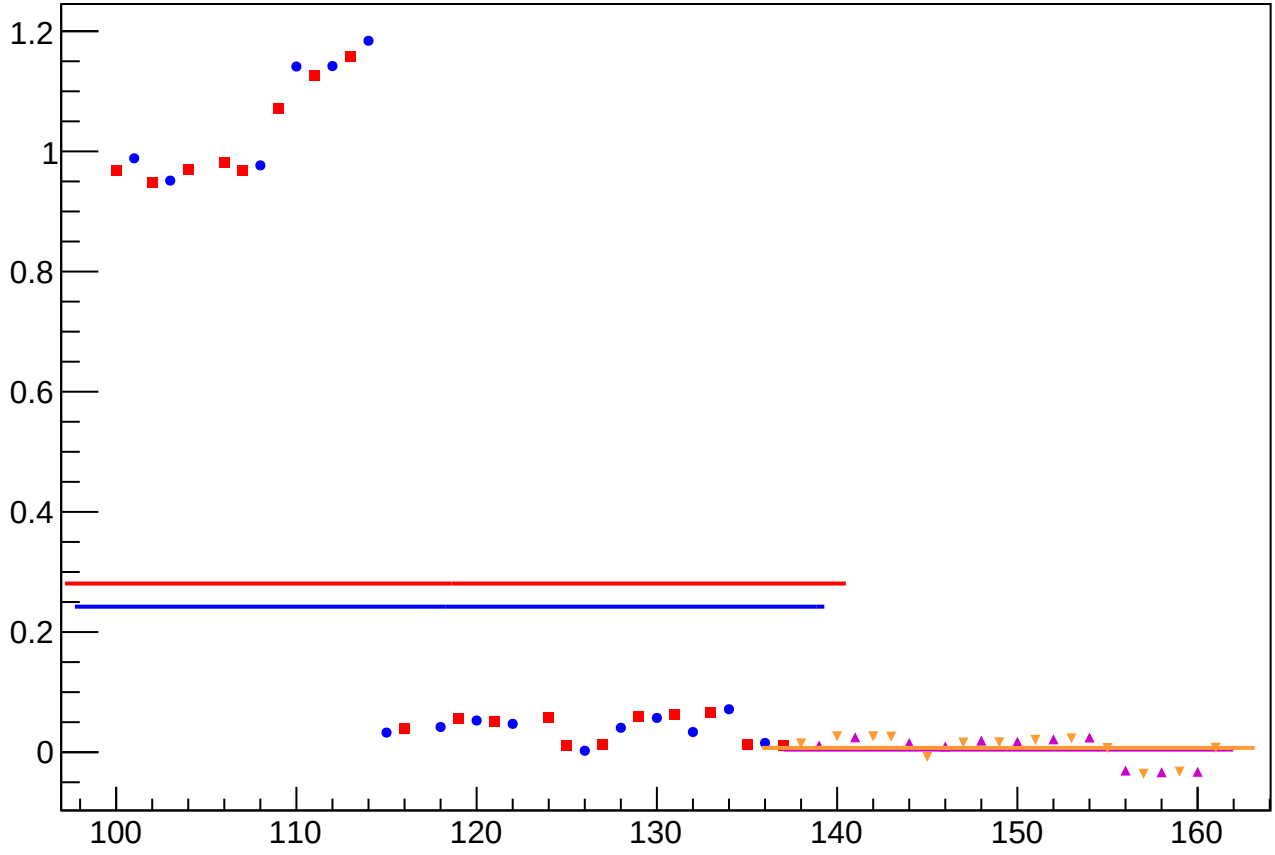
Left In: 0.019+/-0.000 χ^2/NDF:534954.3/10

+ sign 0.019+/-0.000 χ^2/NDF: 1810432.7/28

All: 0.019+/-0.000 χ^2/NDF: 3922910.2/58

- sign 0.020+/-0.000 χ^2/NDF: 2075205.2/29

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:35506907.1/12

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

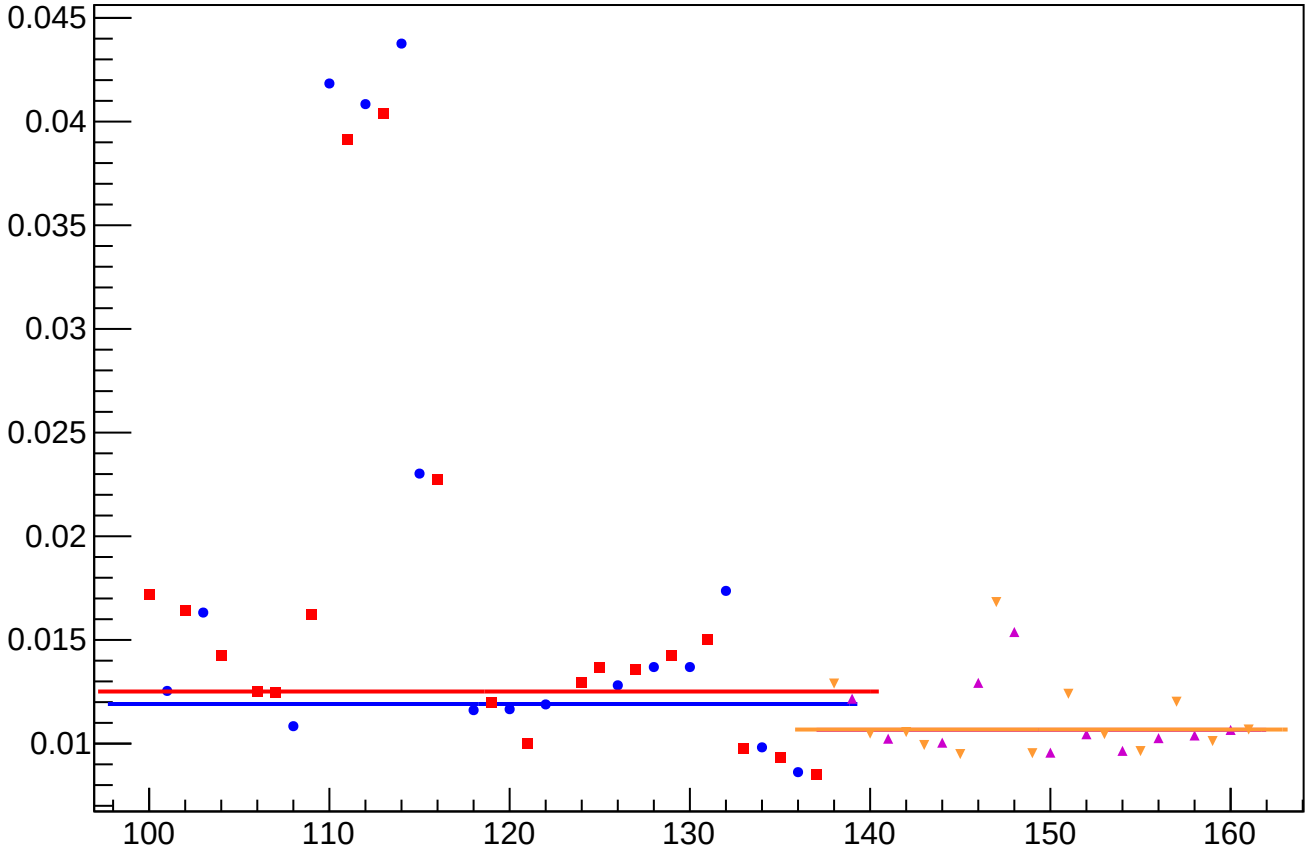
Left In: 0.004+/-0.000 χ^2/NDF:43484416.2/10

+ sign 0.085+/-0.000 χ^2/NDF: 8100160070.5/28

All: 0.090+/-0.000 χ^2/NDF: 16914524822.7/5

- sign 0.095+/-0.000 χ^2/NDF: 8807469660.7/29

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:388703.7/12

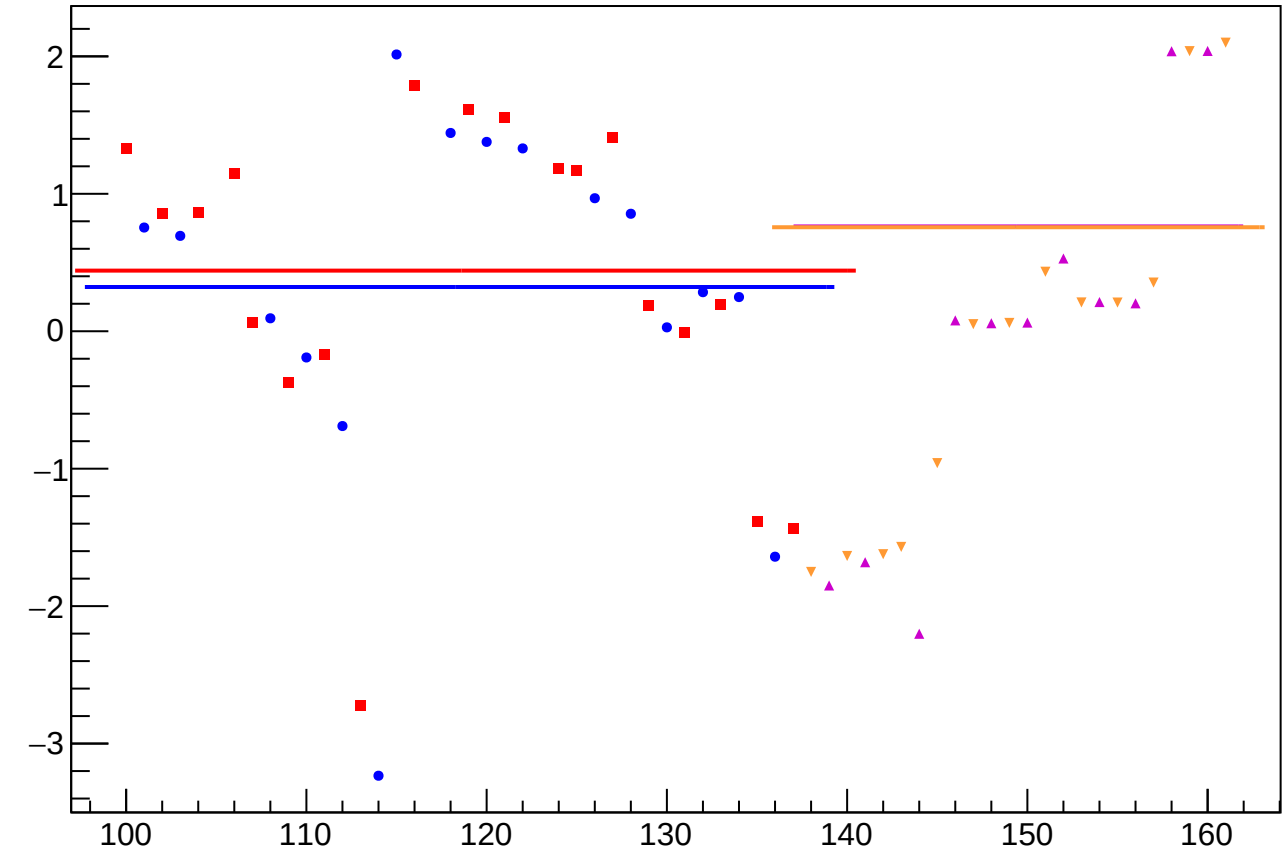
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:281901.9/10

+ sign 0.011+/-0.000 χ^2/NDF: 1933642.1/28

All: 0.011+/-0.000 χ^2/NDF: 3792037.8/58

- sign 0.011+/-0.000 χ^2/NDF: 1854104.7/29



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.757+/-0.000 χ^2/NDF:20782183569.3/12

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

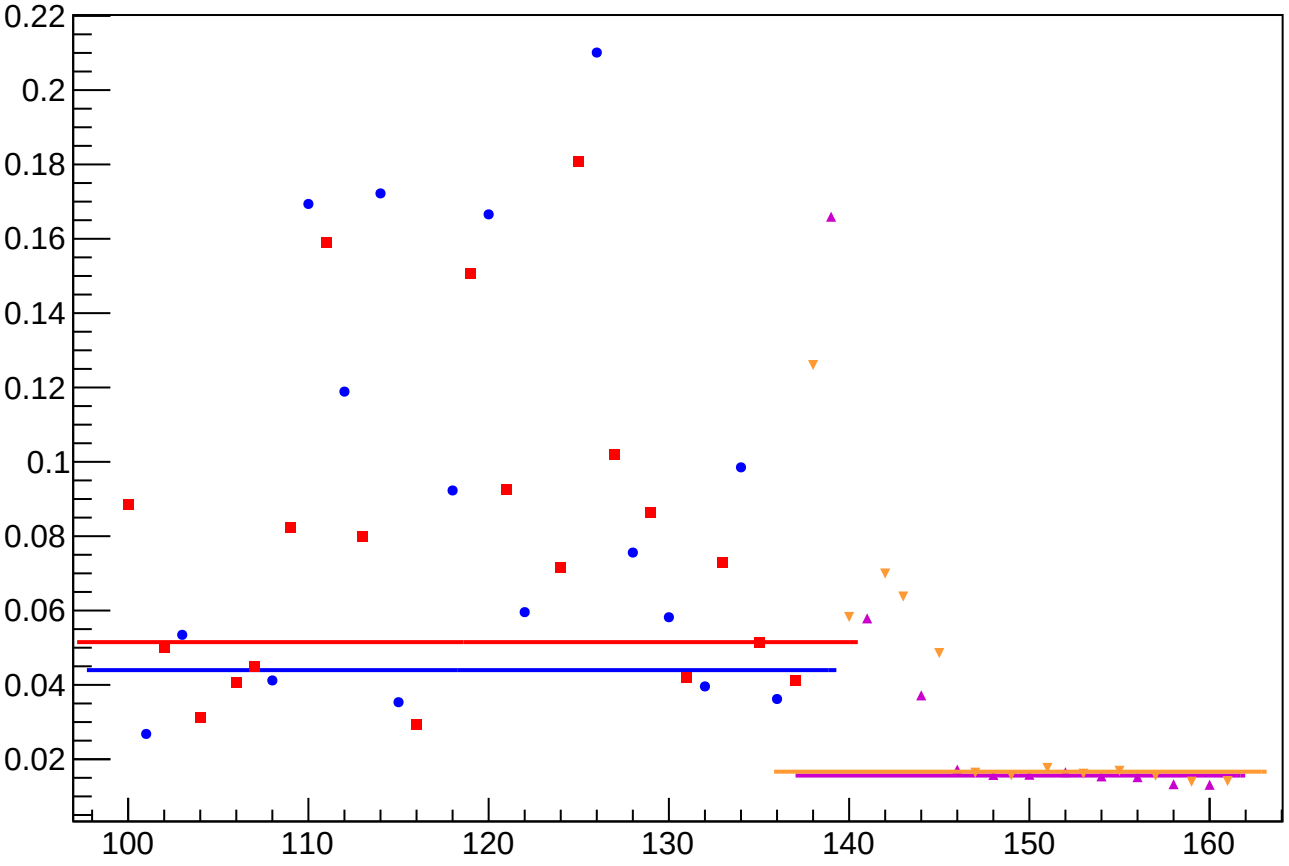
Left In: 0.763+/-0.000 χ^2/NDF:23099386846.3/10

+ sign 0.724+/-0.000 χ^2/NDF: 22794034448.1/28

All: 0.734+/-0.000 χ^2/NDF: 47855512023.7/5

- sign 0.744+/-0.000 χ^2/NDF: 25056201905.6/29

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.017+/-0.000 χ^2/NDF:2828772.6/12

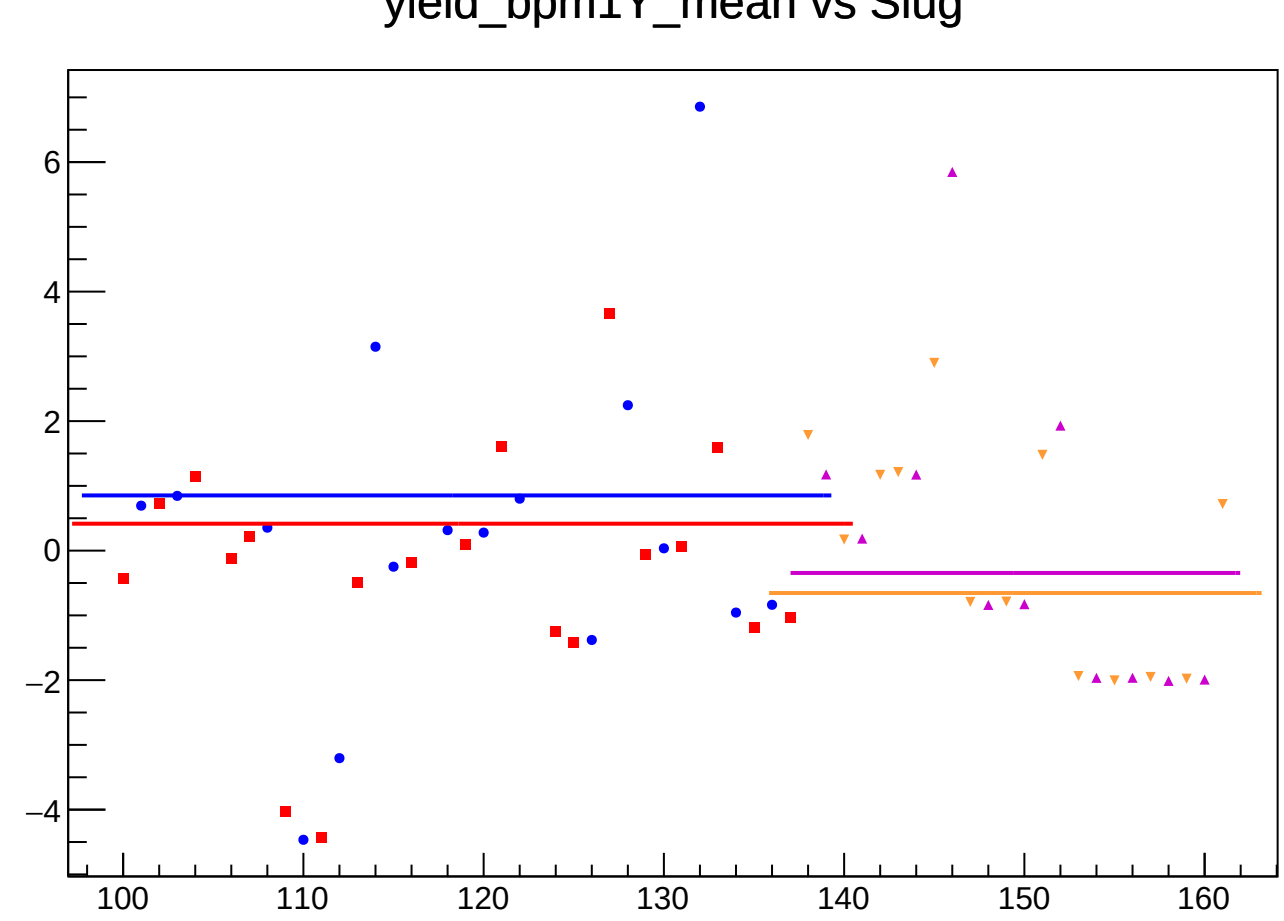
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.016+/-0.000 χ^2/NDF:2114092.0/10

+ sign 0.019+/-0.000 χ^2/NDF: 8354580.4/28

All: 0.018+/-0.000 χ^2/NDF: 16853100.3/58

- sign 0.018+/-0.000 χ^2/NDF: 8472295.5/29



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: -0.654+/-0.000 χ^2/NDF:100335522231.9/12

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

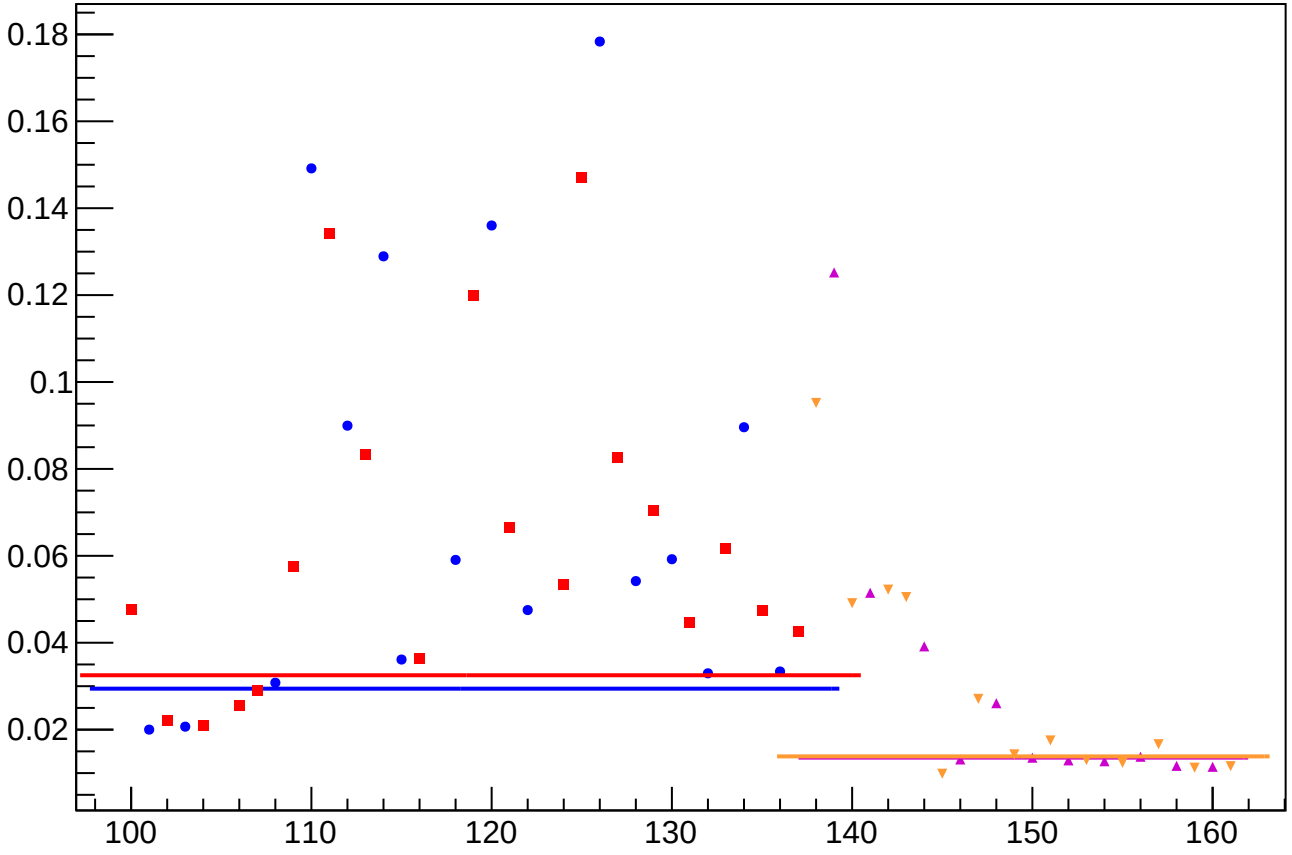
Left In: -0.345+/-0.000 χ^2/NDF:255182636685.8/10

+ sign -0.499+/-0.000 χ^2/NDF: 120581211965.9/28

All: -0.385+/-0.000 χ^2/NDF: 383981308650.6

- sign -0.274+/-0.000 χ^2/NDF: 262351653718.8/29

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.014+/-0.000 χ^2/NDF:2979159.4/12

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

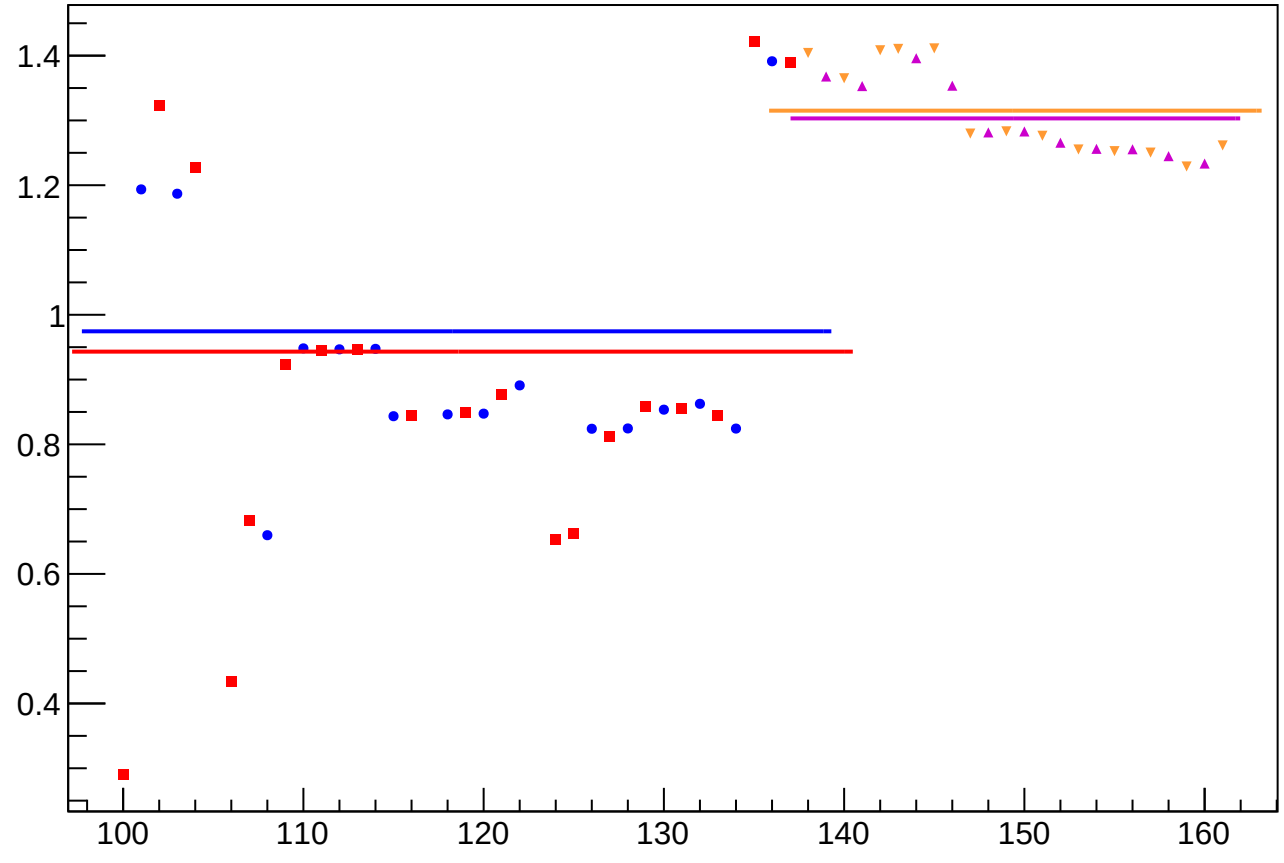
Left In: 0.014+/-0.000 χ^2/NDF:2586361.0/10

+ sign 0.015+/-0.000 χ^2/NDF: 8026700.4/28

All: 0.015+/-0.000 χ^2/NDF: 16470882.9/58

- sign 0.015+/-0.000 χ^2/NDF: 8443569.6/29

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.315+/-0.000 χ^2/NDF:234789646.8/12

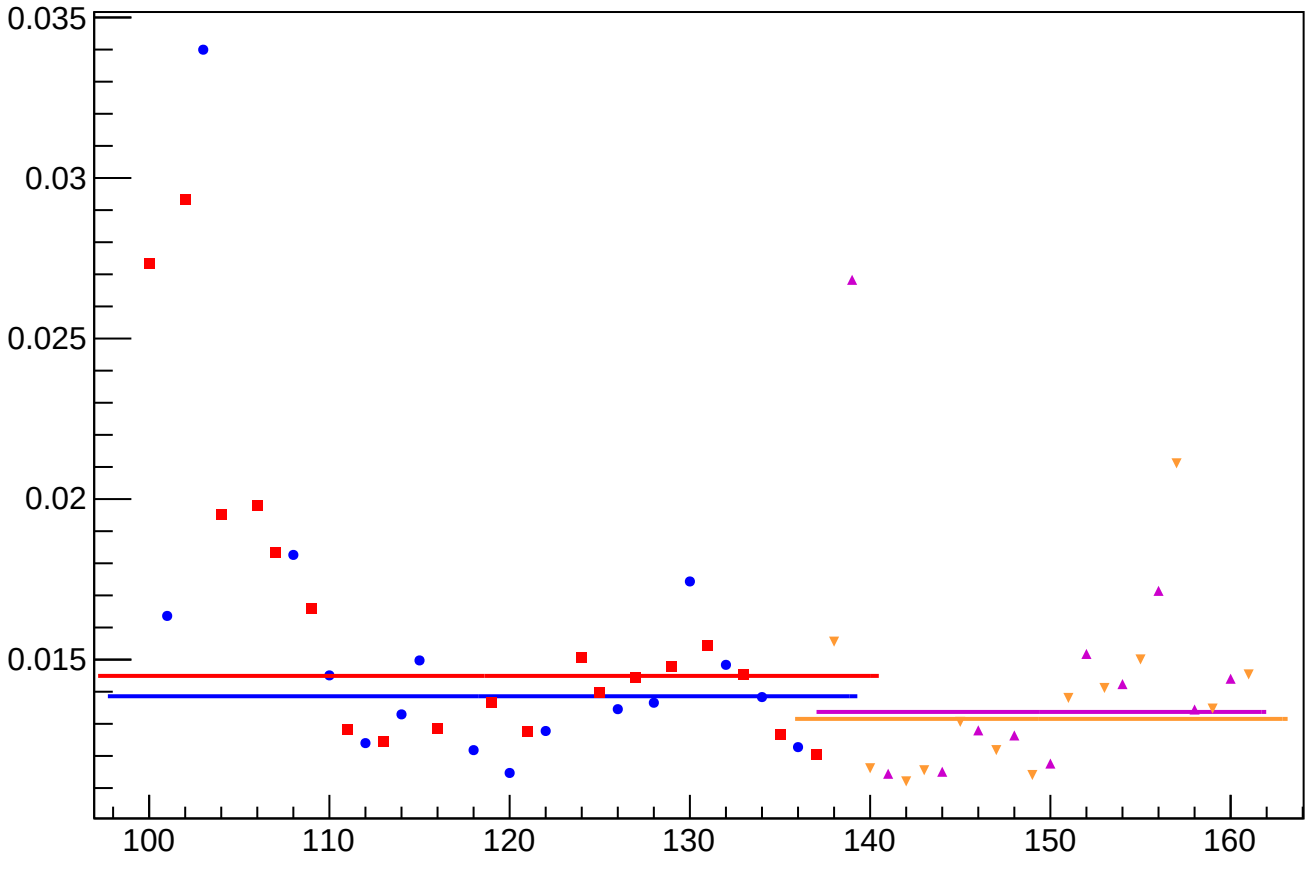
Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.303+/-0.000 χ^2/NDF:139591147.3/10

+ sign 1.183+/-0.000 χ^2/NDF: 3987956865.7/28

All: 1.172+/-0.000 χ^2/NDF: 8200538042.4/58

- sign 1.160+/-0.000 χ^2/NDF: 4191917173.9/29



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:379027.8/12

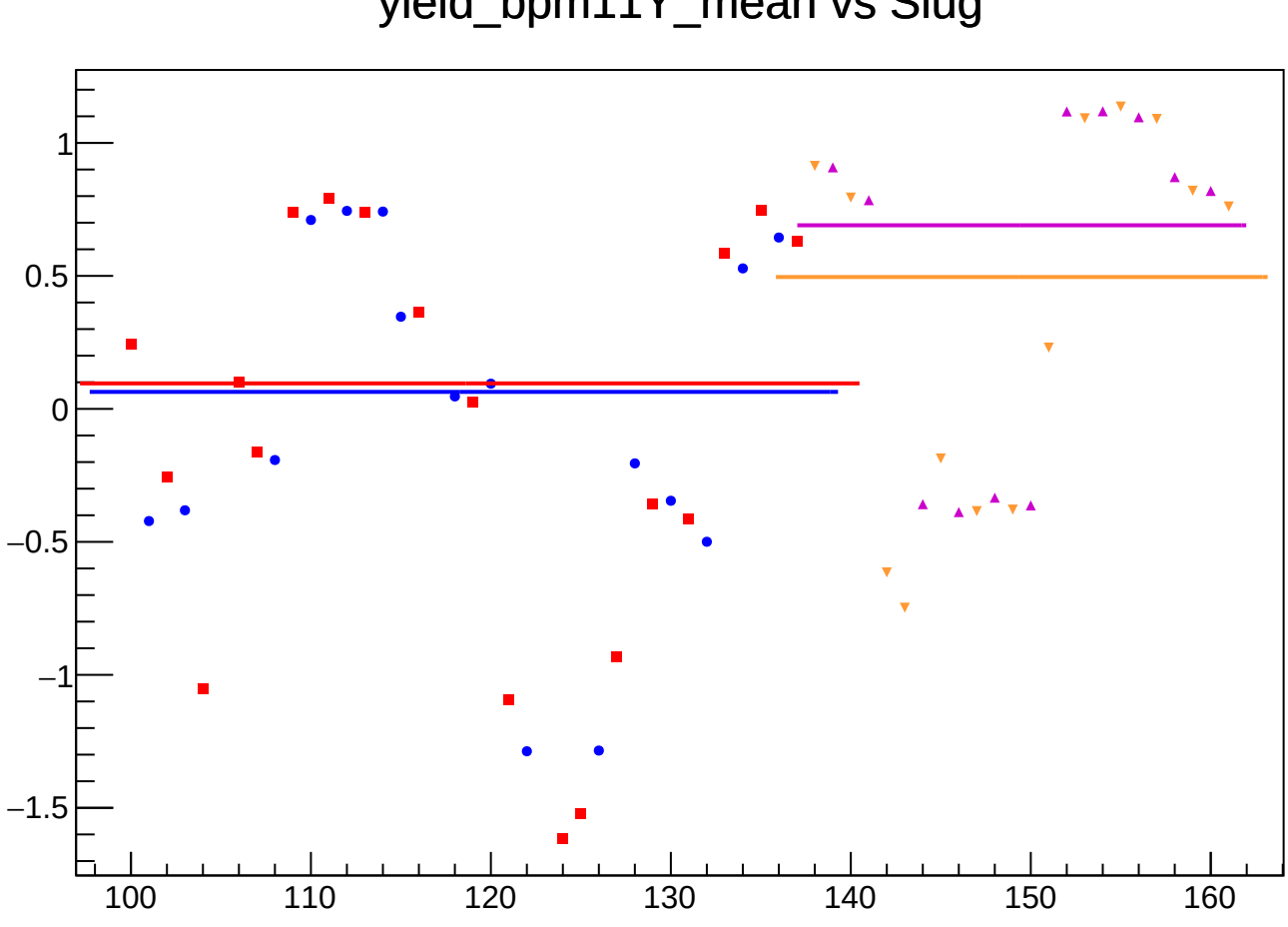
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:634629.0/10

+ sign 0.013+/-0.000 χ^2/NDF: 998681.2/28

All: 0.014+/-0.000 χ^2/NDF: 2236029.2/58

- sign 0.014+/-0.000 χ^2/NDF: 1225253.1/29



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.496+/-0.000 χ^2/NDF:26109974171.0/12

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

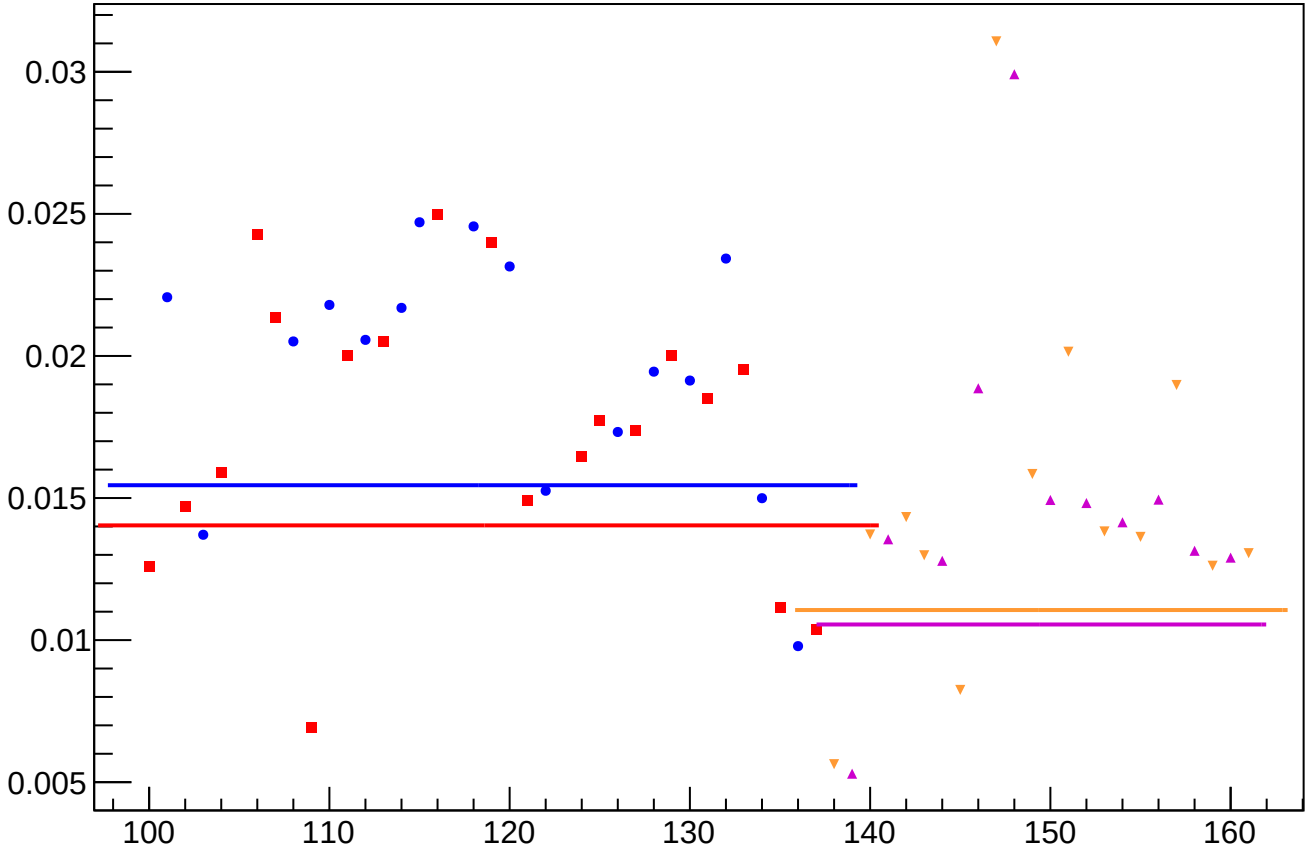
Left In: 0.690+/-0.000 χ^2/NDF:17362862543.9/10

+ sign 0.377+/-0.000 χ^2/NDF: 40552144065.1/28

All: 0.443+/-0.000 χ^2/NDF: 83756924947.9/5

- sign 0.506+/-0.000 χ^2/NDF: 42424516187.7/29

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:2999924.6/12

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

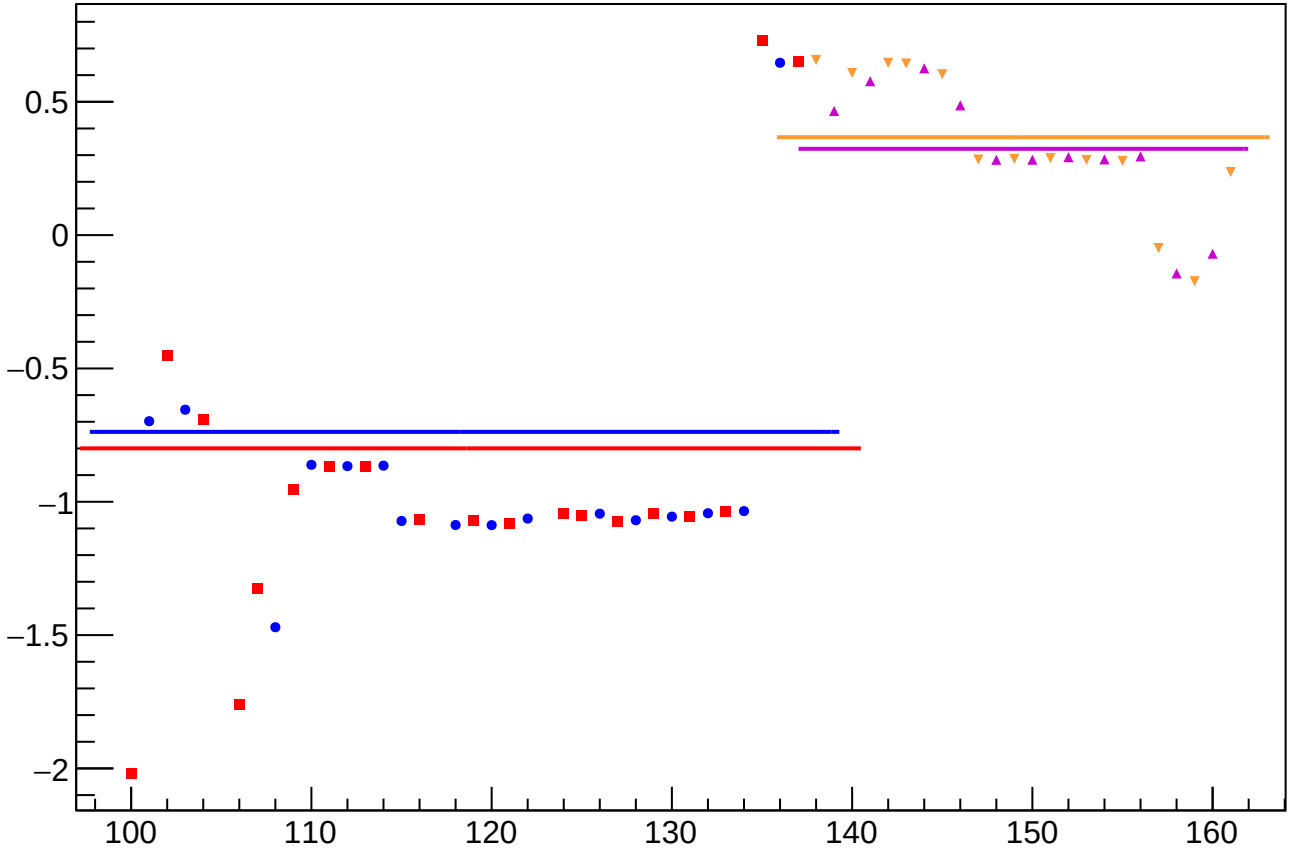
Left In: 0.011+/-0.000 χ^2/NDF:3312799.7/10

+ sign 0.012+/-0.000 χ^2/NDF: 4998360.8/28

All: 0.012+/-0.000 χ^2/NDF: 10536395.5/58

- sign 0.012+/-0.000 χ^2/NDF: 5500364.9/29

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.367+/-0.000 χ^2/NDF:461832294.6/12

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

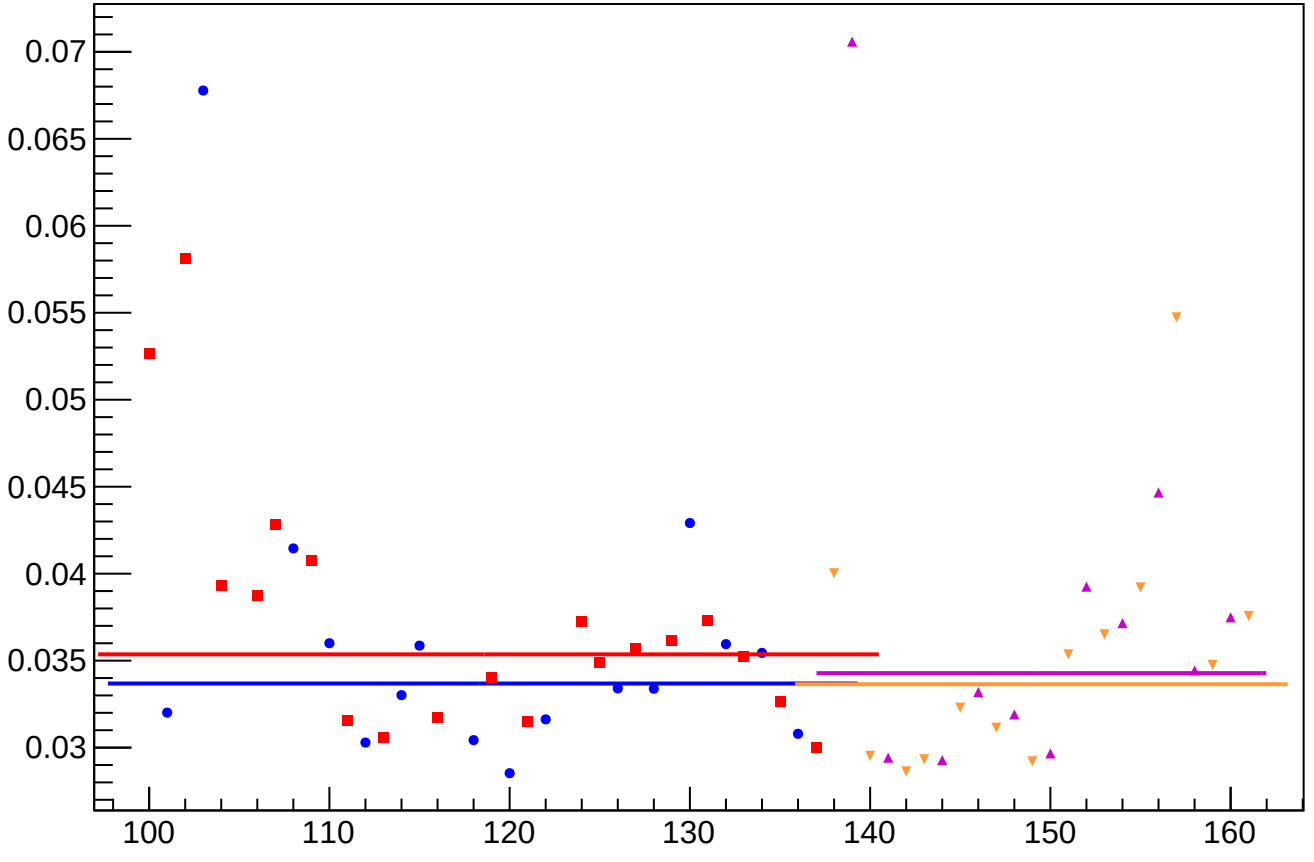
Left In: 0.324+/-0.000 χ^2/NDF:392493959.8/10

+ sign -0.096+/-0.000 χ^2/NDF: 6476358448.1/28

All: -0.124+/-0.000 χ^2/NDF: 12522154659.8/

- sign -0.155+/-0.000 χ^2/NDF: 6023677284.5/29

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.034+/-0.000 χ^2/NDF:408253.1/12

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

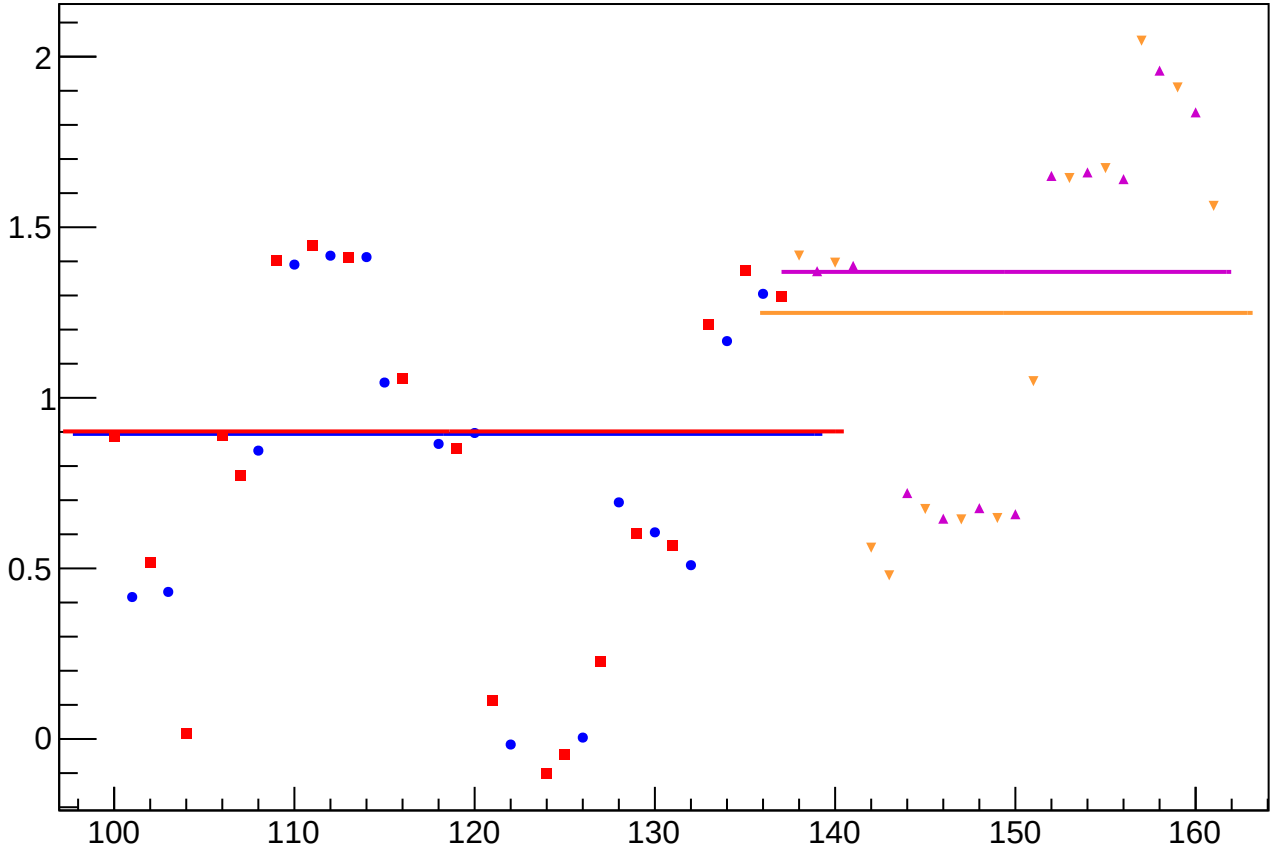
Left In: 0.034+/-0.000 χ^2/NDF:685239.6/10

+ sign 0.034+/-0.000 χ^2/NDF: 828491.4/28

All: 0.034+/-0.000 χ^2/NDF: 1831828.9/58

- sign 0.035+/-0.000 χ^2/NDF: 988519.6/29

yield_bpm12Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.249+/-0.000 χ^2/NDF:29724812468.1/12

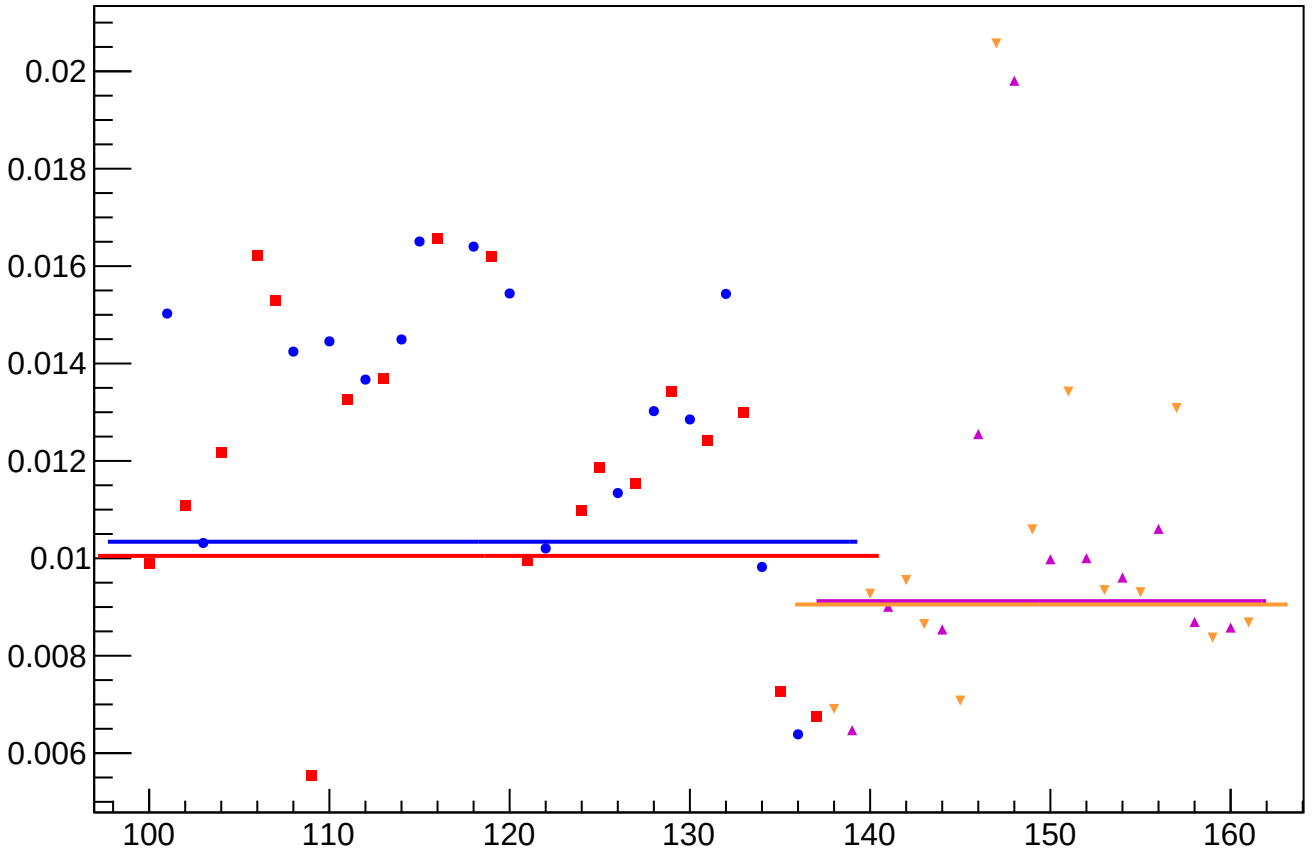
Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.369+/-0.000 χ^2/NDF:21340097471.8/10

+ sign 1.132+/-0.000 χ^2/NDF: 47178198308.6/28

All: 1.164+/-0.000 χ^2/NDF: 95101553943.0/5

- sign 1.197+/-0.000 χ^2/NDF: 47568976031.2/29



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1123032.2/12

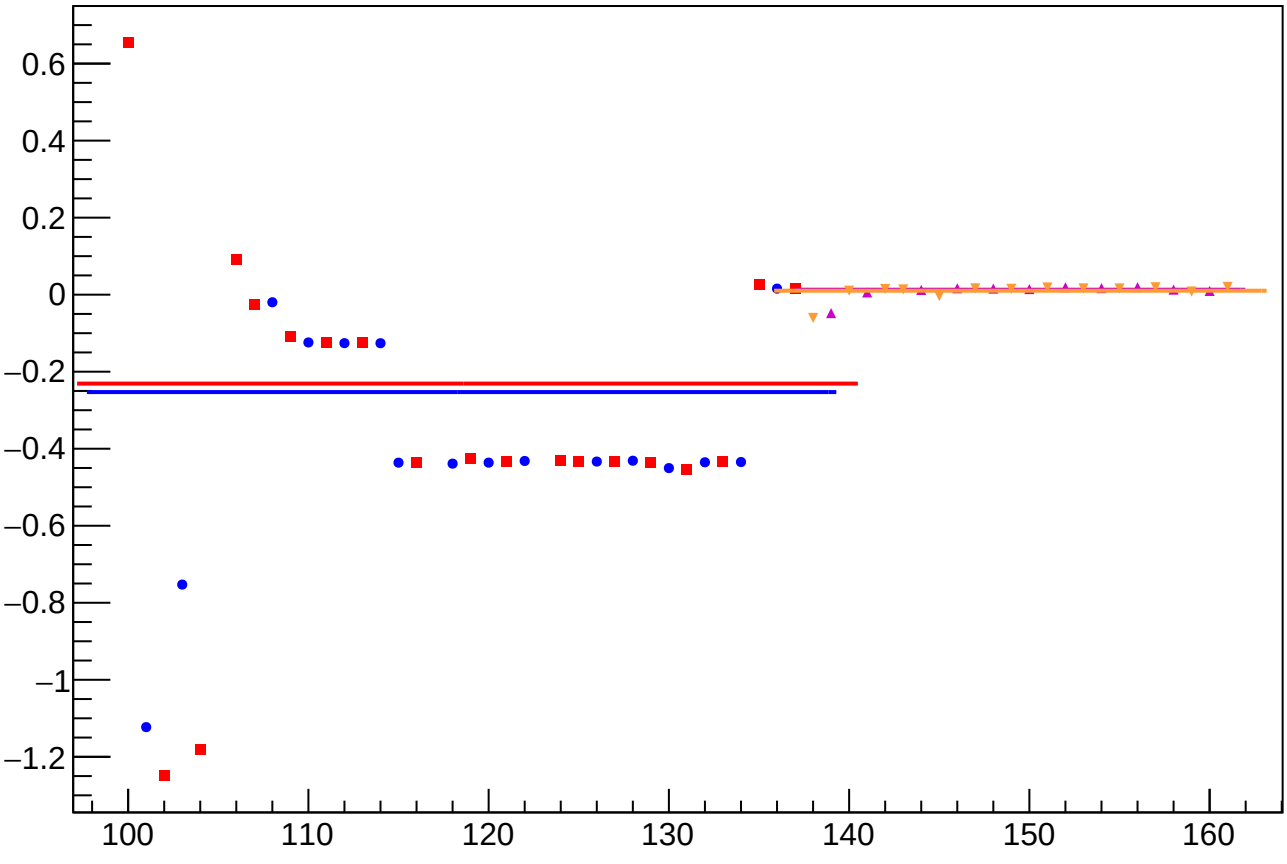
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:917001.6/10

+ sign 0.009+/-0.000 χ^2/NDF: 2597654.3/28

All: 0.009+/-0.000 χ^2/NDF: 4917427.7/58

- sign 0.009+/-0.000 χ^2/NDF: 2319737.6/29



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:22616489.9/12

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

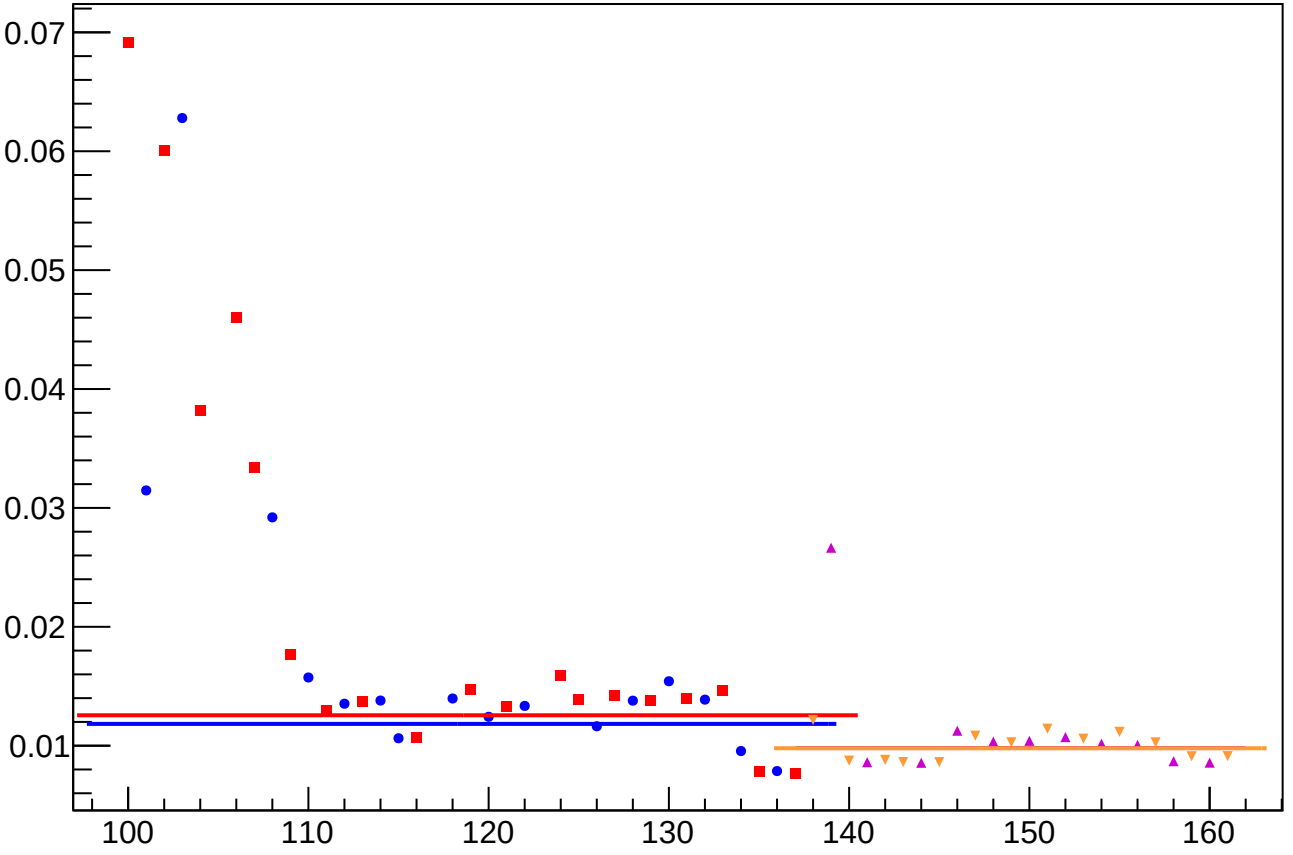
Left In: 0.013+/-0.000 χ^2/NDF:5713341.3/10

+ sign -0.065+/-0.000 χ^2/NDF: 3802619513.8/28

All: -0.061+/-0.000 χ^2/NDF: 6972304440.3/5

- sign -0.056+/-0.000 χ^2/NDF: 3165167844.2/29

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:209644.9/12

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

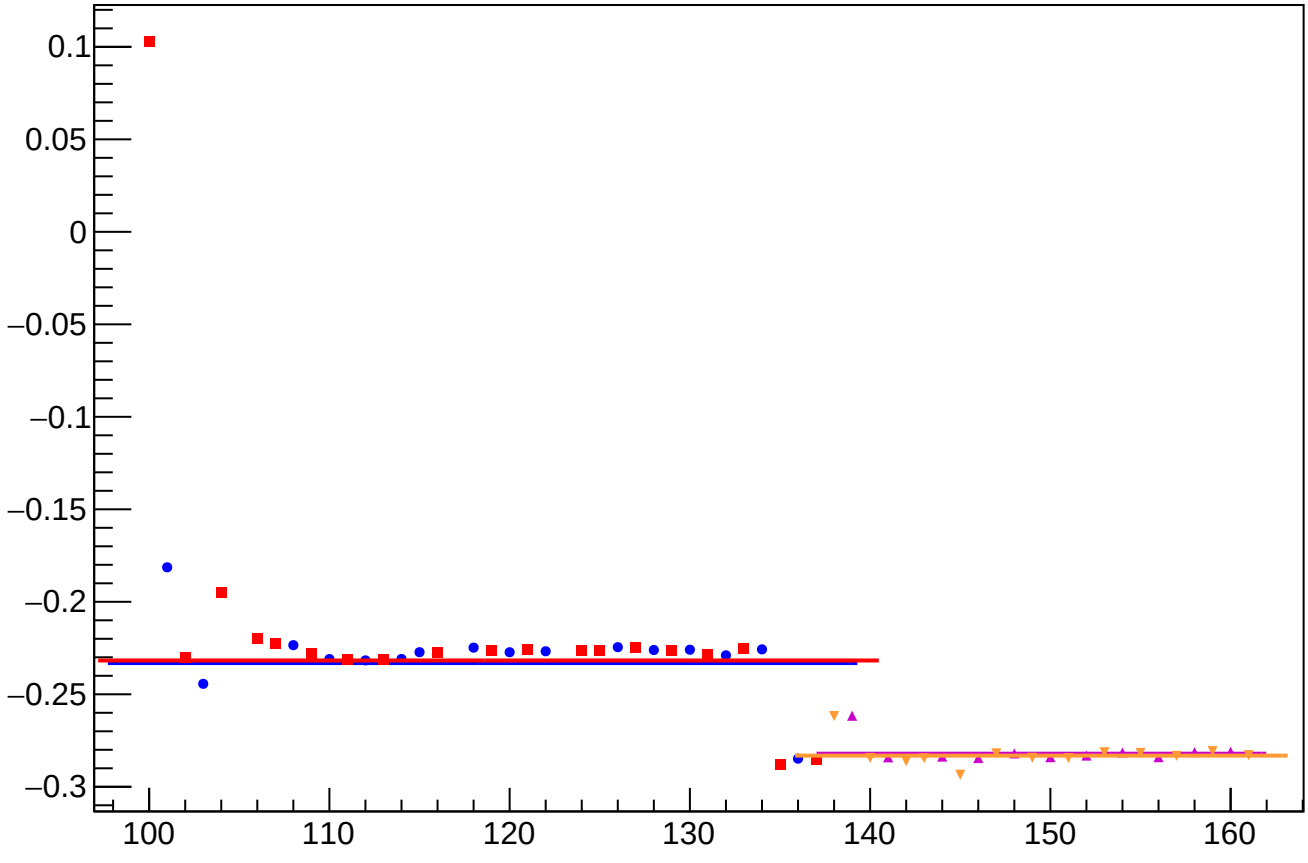
Left In: 0.010+/-0.000 χ^2/NDF:822327.0/10

+ sign 0.010+/-0.000 χ^2/NDF: 2364558.1/28

All: 0.010+/-0.000 χ^2/NDF: 5755305.4/58

- sign 0.011+/-0.000 χ^2/NDF: 3385476.9/29

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:14974327.5/12

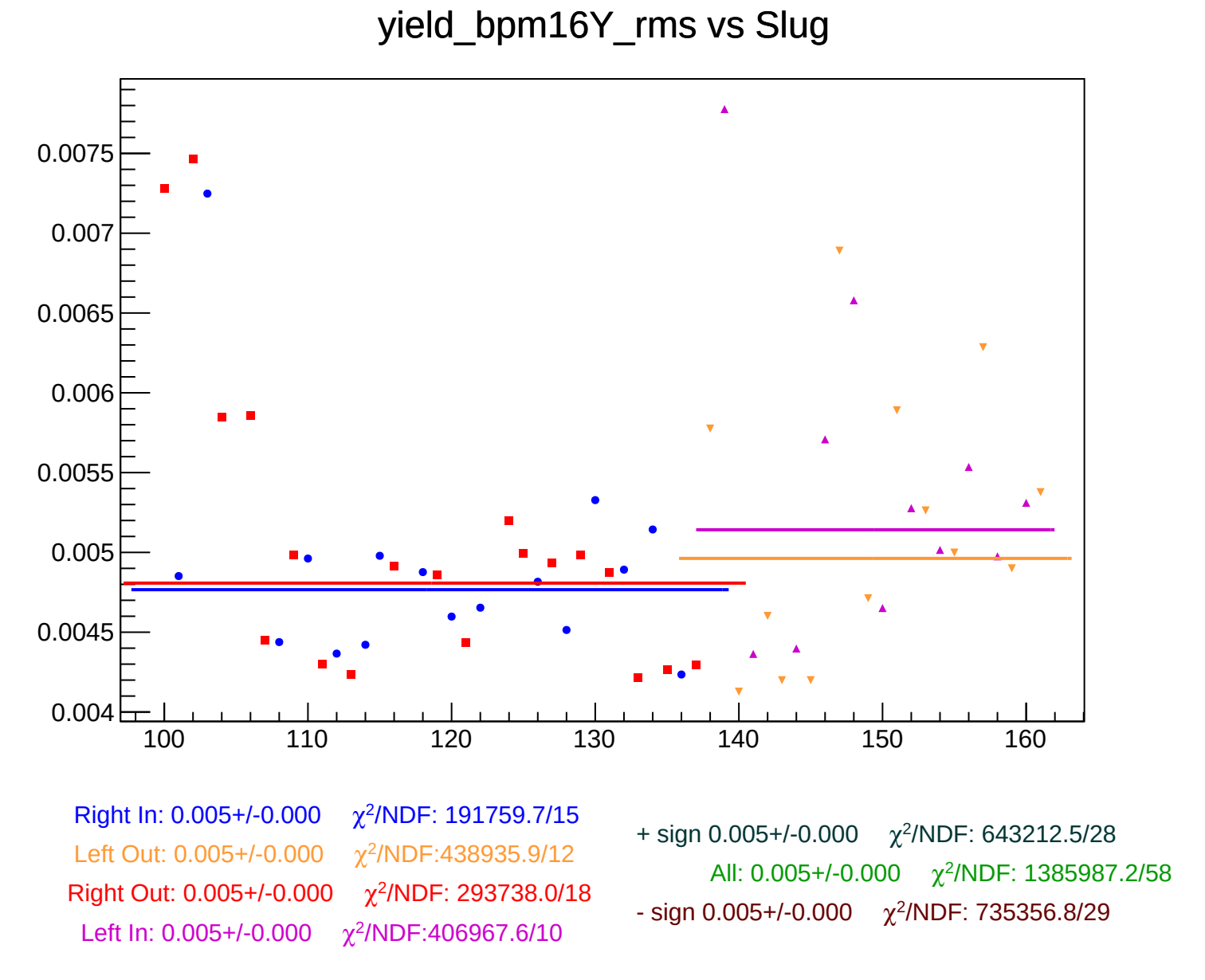
Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

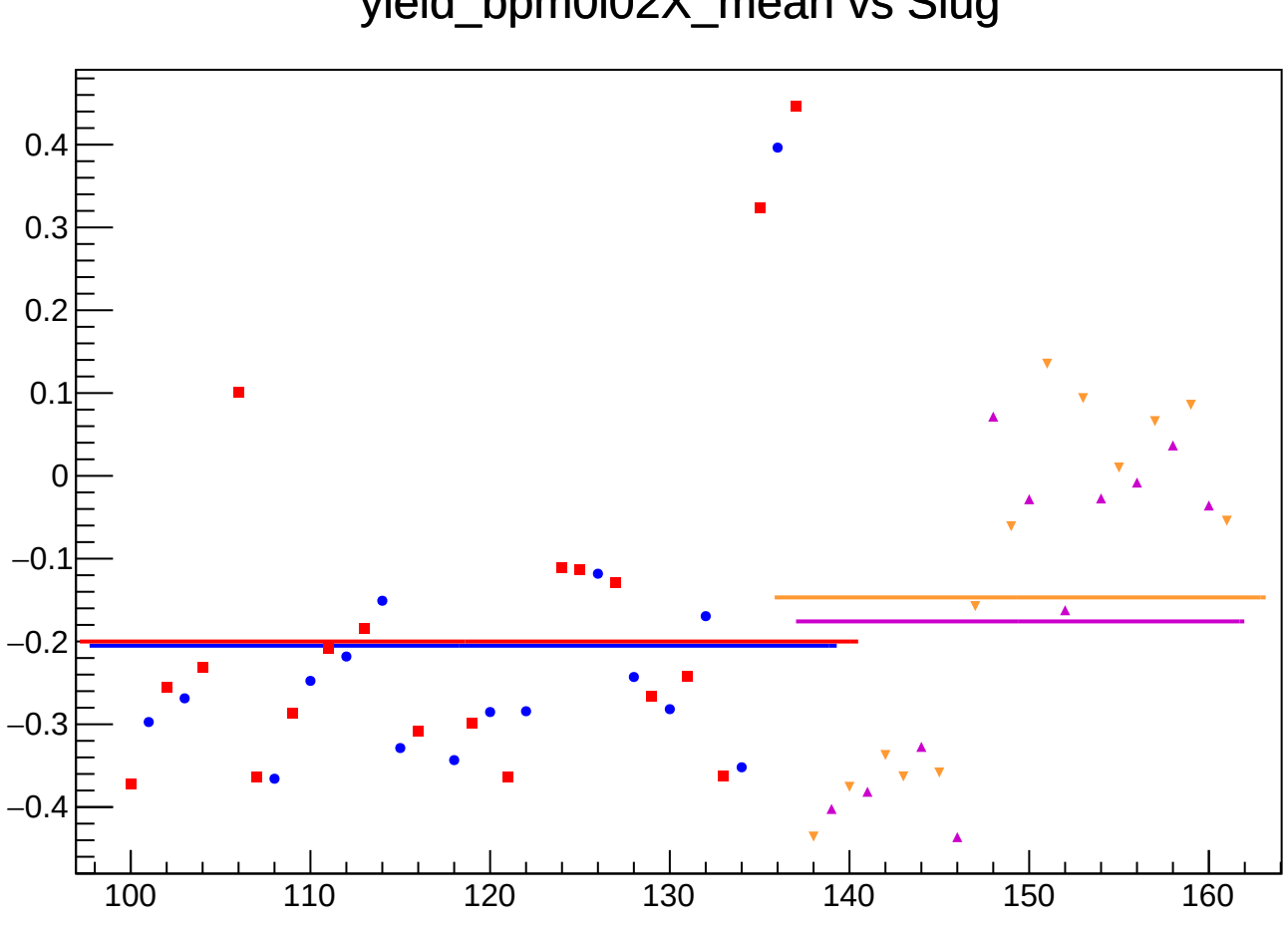
Left In: -0.282+/-0.000 χ^2/NDF:6303486.2/10

+ sign -0.262+/-0.000 χ^2/NDF: 621845843.3/28

All: -0.260+/-0.000 χ^2/NDF: 1312651124.3/5

- sign -0.259+/-0.000 χ^2/NDF: 687508344.4/29


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
Right In: 0.005+/-0.000 χ²/NDF: 191759.7/15
Left Out: 0.005+/-0.000 χ²/NDF:438935.9/12
Right Out: 0.005+/-0.000 χ²/NDF: 293738.0/18
Left In: 0.005+/-0.000 χ²/NDF:406967.6/10
+ sign 0.005+/-0.000 χ²/NDF: 643212.5/28
All: 0.005+/-0.000 χ²/NDF: 1385987.2/58
- sign 0.005+/-0.000 χ²/NDF: 735356.8/29



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.147+/-0.000 χ^2/NDF:13720785593.6/12

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

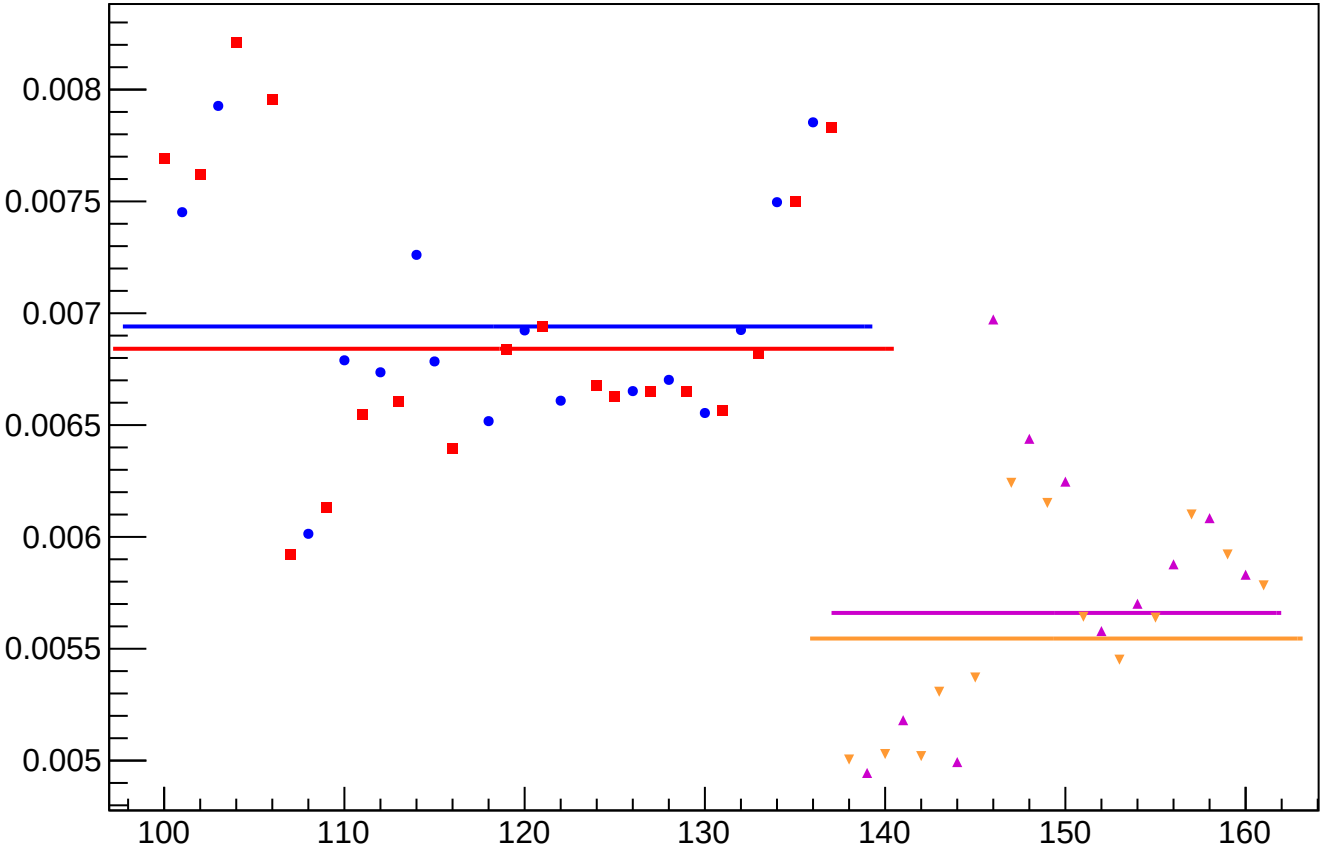
Left In: -0.176+/-0.000 χ^2/NDF:9014655212.8/10

+ sign -0.165+/-0.000 χ^2/NDF: 20248363503.0/28

All: -0.175+/-0.000 χ^2/NDF: 34651900497.9/

- sign -0.185+/-0.000 χ^2/NDF: 14322584835.6/29

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:104065.9/12

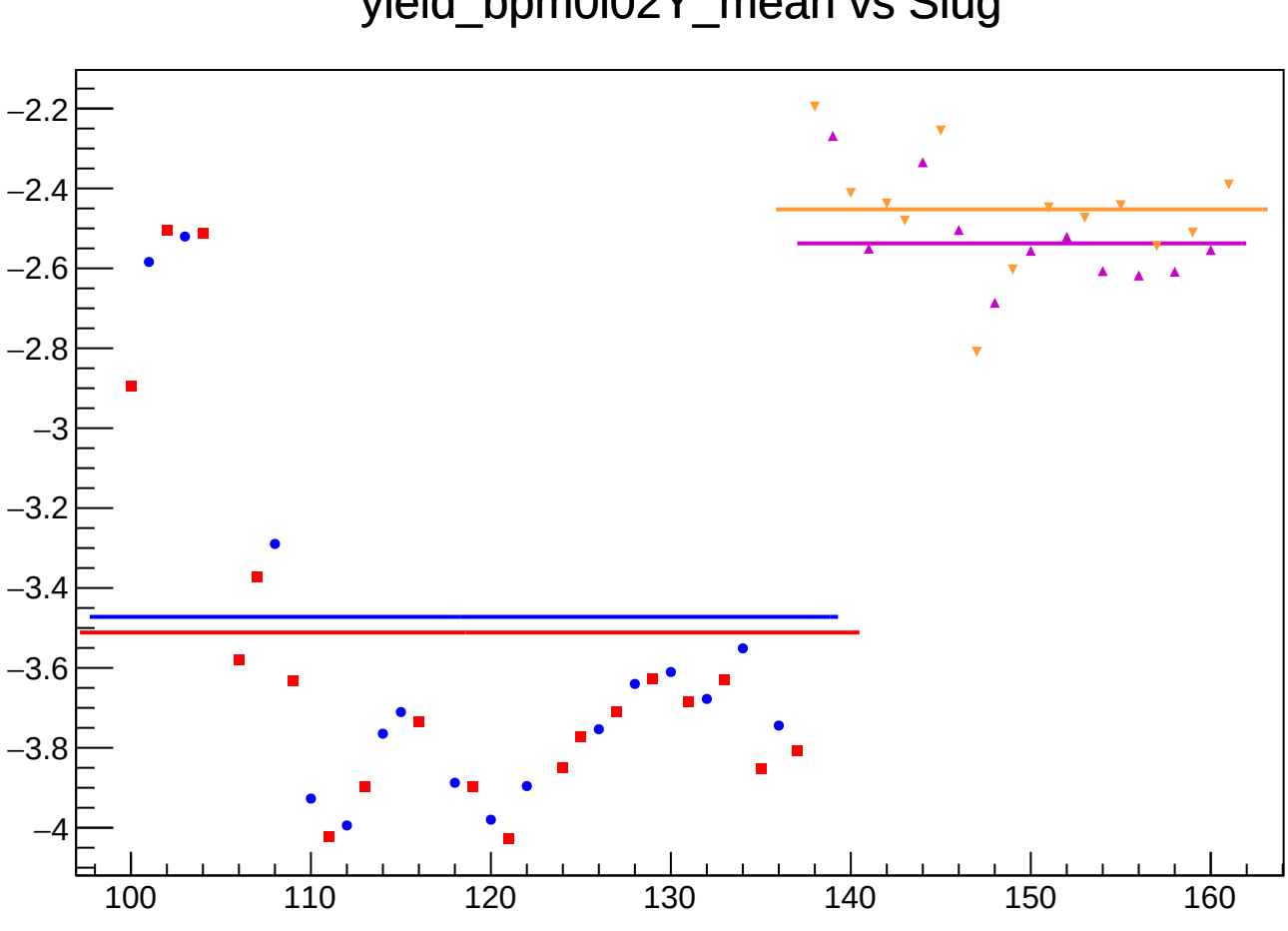
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:176949.7/10

+ sign 0.006+/-0.000 χ^2/NDF: 576243.3/28

All: 0.006+/-0.000 χ^2/NDF: 1131348.0/58

- sign 0.006+/-0.000 χ^2/NDF: 550939.9/29



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.452+/-0.000 χ^2/NDF:1622667247.1/12

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

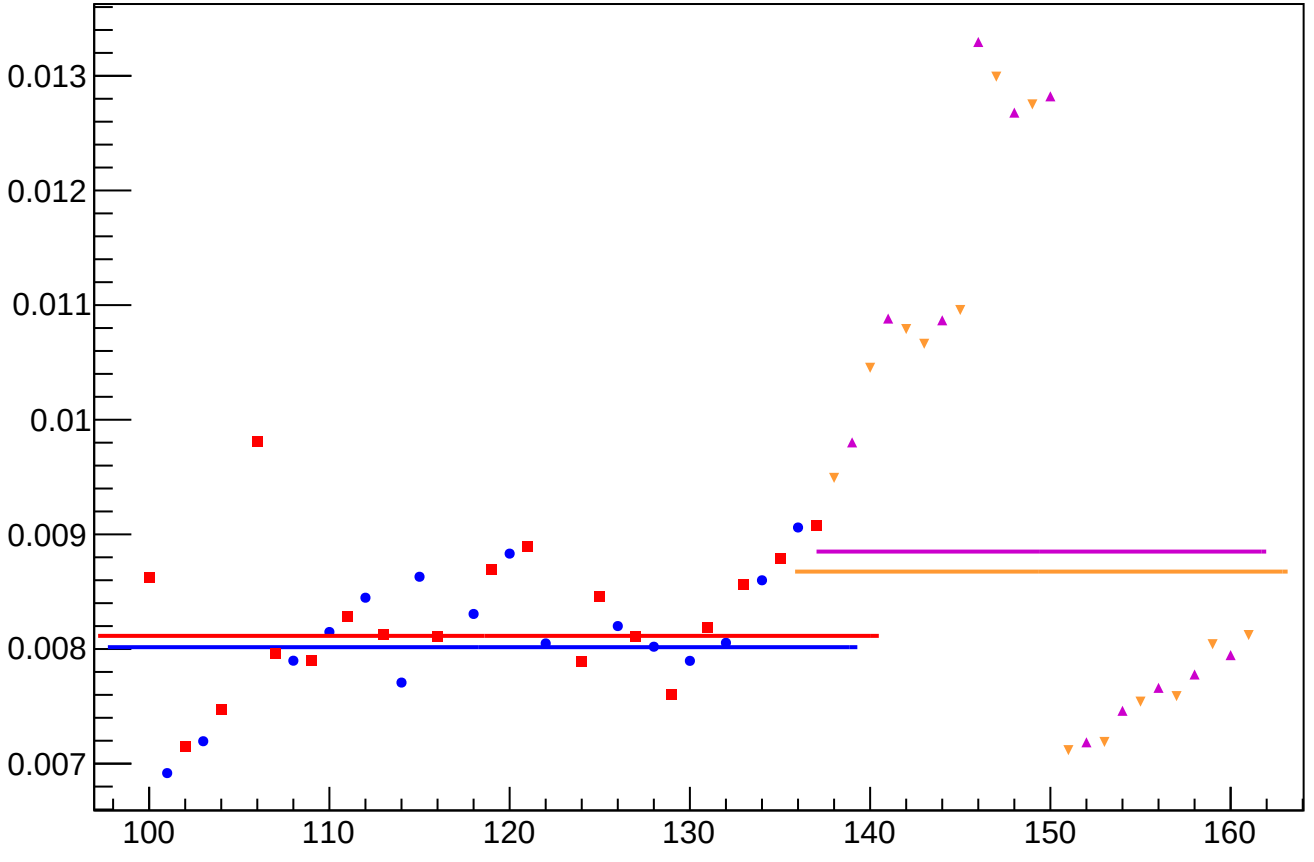
Left In: -2.538+/-0.000 χ^2/NDF:1276861853.1/10

+ sign -2.930+/-0.000 χ^2/NDF: 91327423540.4/28

All: -2.975+/-0.000 χ^2/NDF: 174632187370.9

- sign -3.024+/-0.000 χ^2/NDF: 82328261431.6/29

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:723233.4/12

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

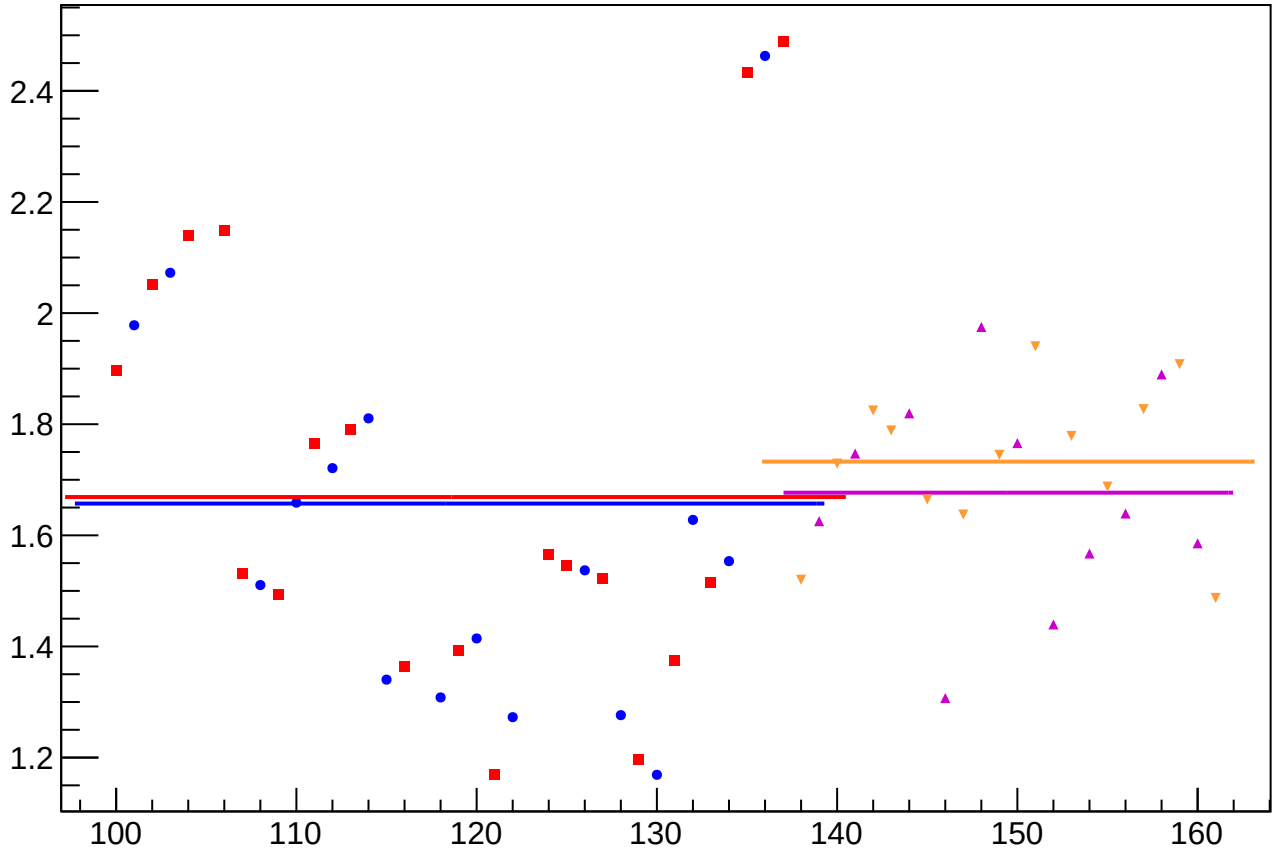
Left In: 0.009+/-0.000 χ^2/NDF:805839.4/10

+ sign 0.008+/-0.000 χ^2/NDF: 859711.3/28

All: 0.008+/-0.000 χ^2/NDF: 1798190.1/58

- sign 0.008+/-0.000 χ^2/NDF: 935437.7/29

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.733+/-0.000 χ^2/NDF:1270229003.6/12

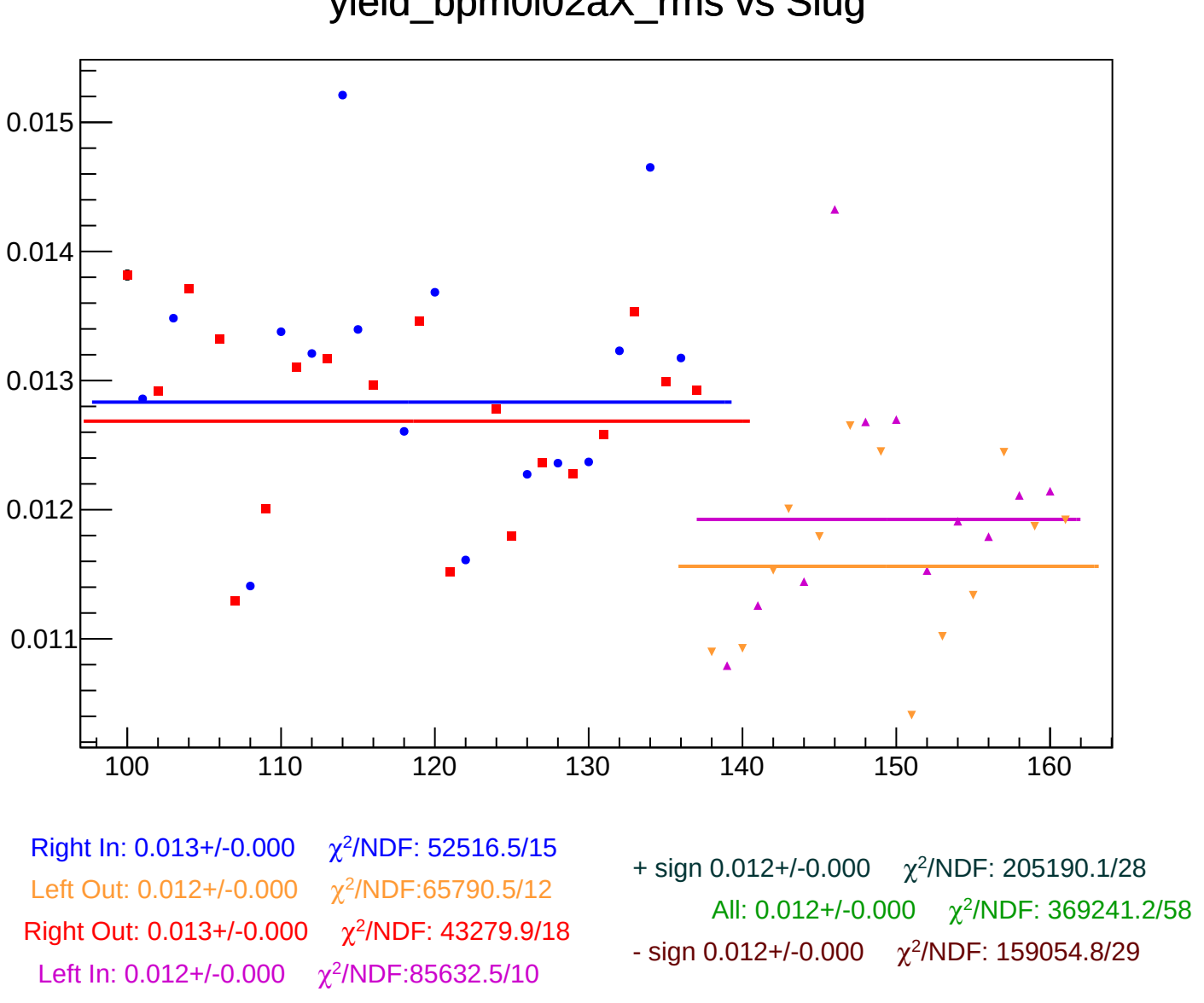
Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

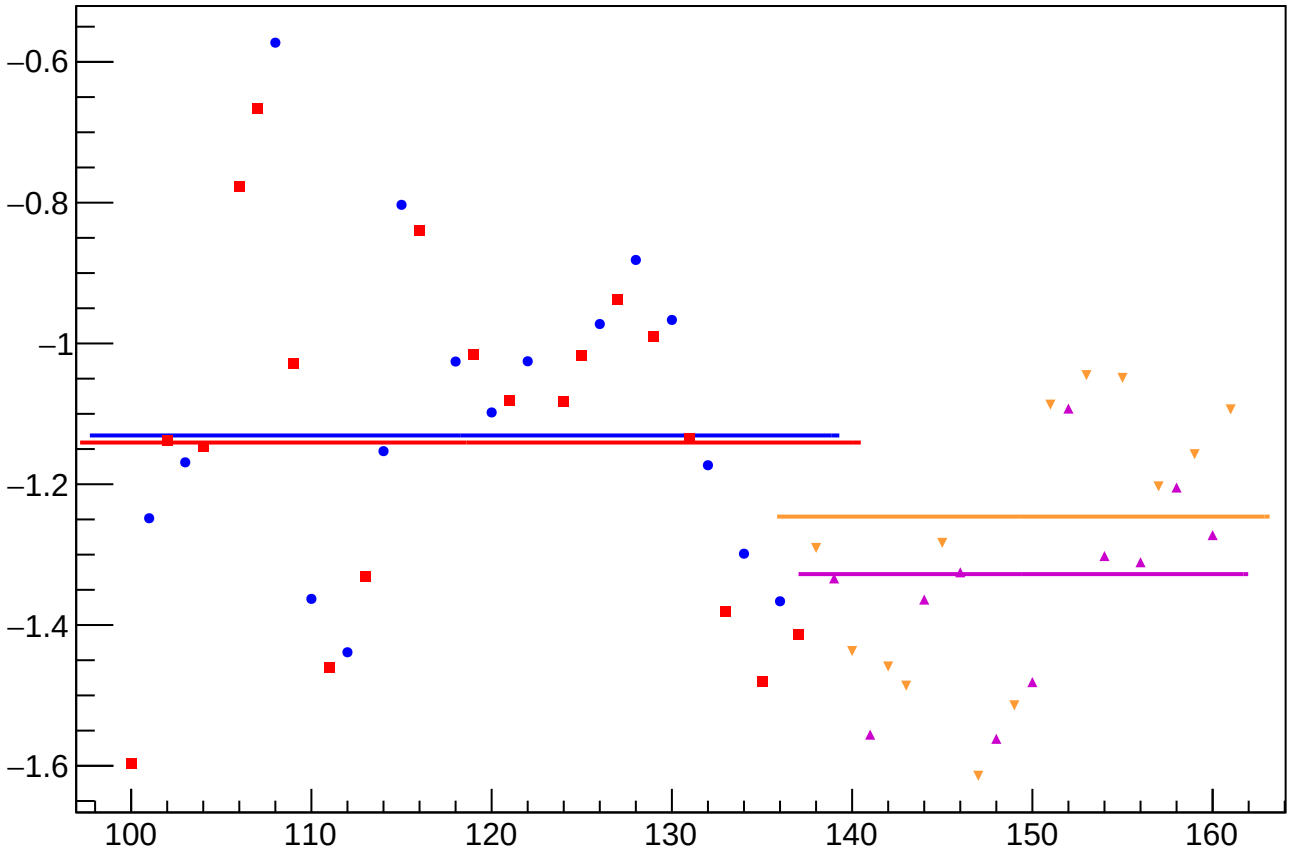
Left In: 1.677+/-0.000 χ^2/NDF:1859135923.1/10

+ sign 1.705+/-0.000 χ^2/NDF: 8089624782.1/28

All: 1.690+/-0.000 χ^2/NDF: 16362310895.0/5

- sign 1.673+/-0.000 χ^2/NDF: 8218318056.3/29


yield_bpm0i02aX_rms vs Slug
0.015
0.014
0.013
0.012
0.011
100
110
120
130
140
150
160
Right In: 0.013+/-0.000 χ²/NDF: 52516.5/15
Left Out: 0.012+/-0.000 χ²/NDF:65790.5/12
Right Out: 0.013+/-0.000 χ²/NDF: 43279.9/18
Left In: 0.012+/-0.000 χ²/NDF:85632.5/10
+ sign 0.012+/-0.000 χ²/NDF: 205190.1/28
All: 0.012+/-0.000 χ²/NDF: 369241.2/58
- sign 0.012+/-0.000 χ²/NDF: 159054.8/29



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.246+/-0.000 χ^2/NDF:4348595153.4/12

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

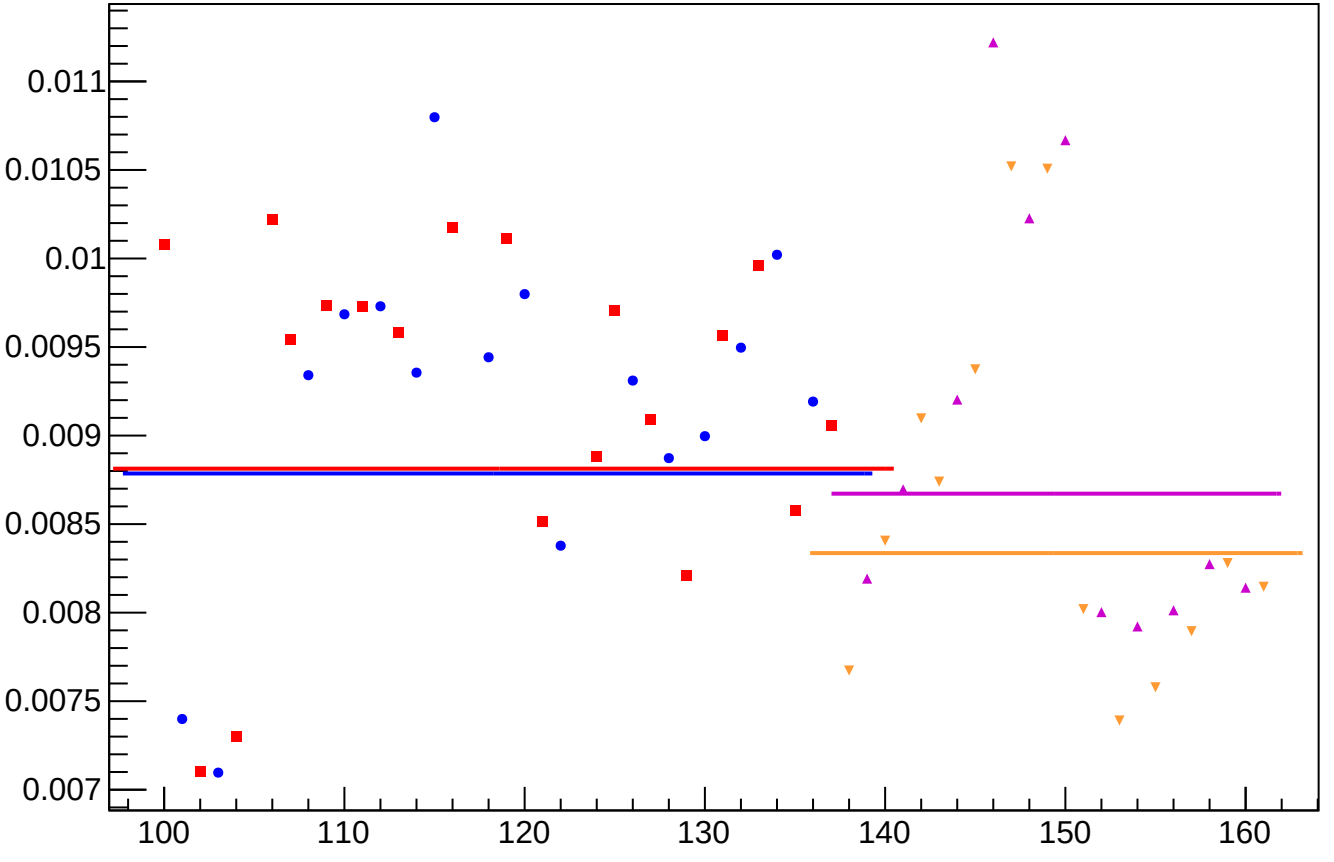
Left In: -1.328+/-0.000 χ^2/NDF:2047084749.9/10

+ sign -1.200+/-0.000 χ^2/NDF: 8850413678.6/28

All: -1.222+/-0.000 χ^2/NDF: 16425670536.0/

- sign -1.246+/-0.000 χ^2/NDF: 7350707287.7/29

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:205650.6/12

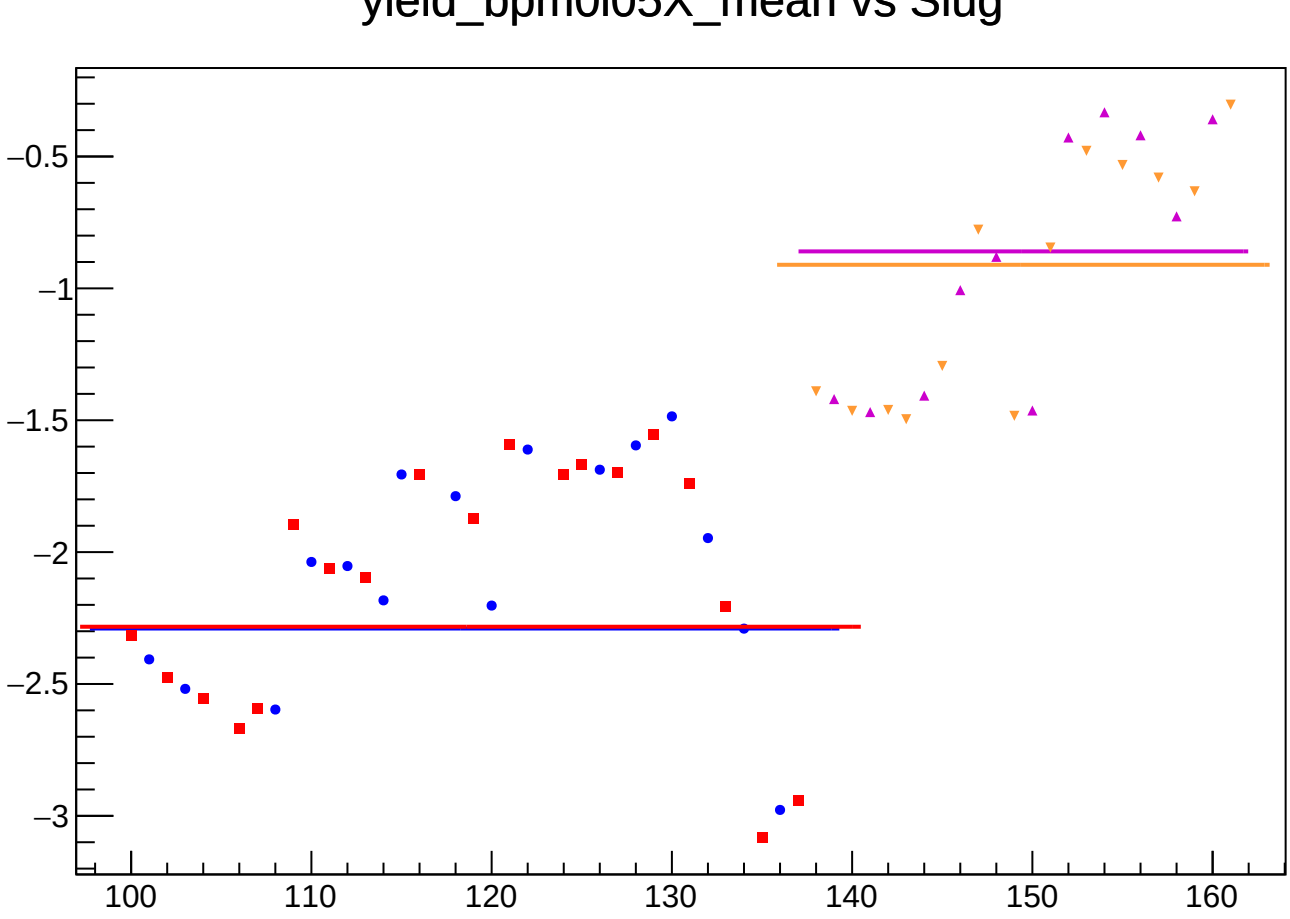
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:217119.1/10

+ sign 0.009+/-0.000 χ^2/NDF: 400765.9/28

All: 0.009+/-0.000 χ^2/NDF: 834593.3/58

- sign 0.009+/-0.000 χ^2/NDF: 423570.1/29



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.911+/-0.000 χ^2/NDF:25799365551.6/12

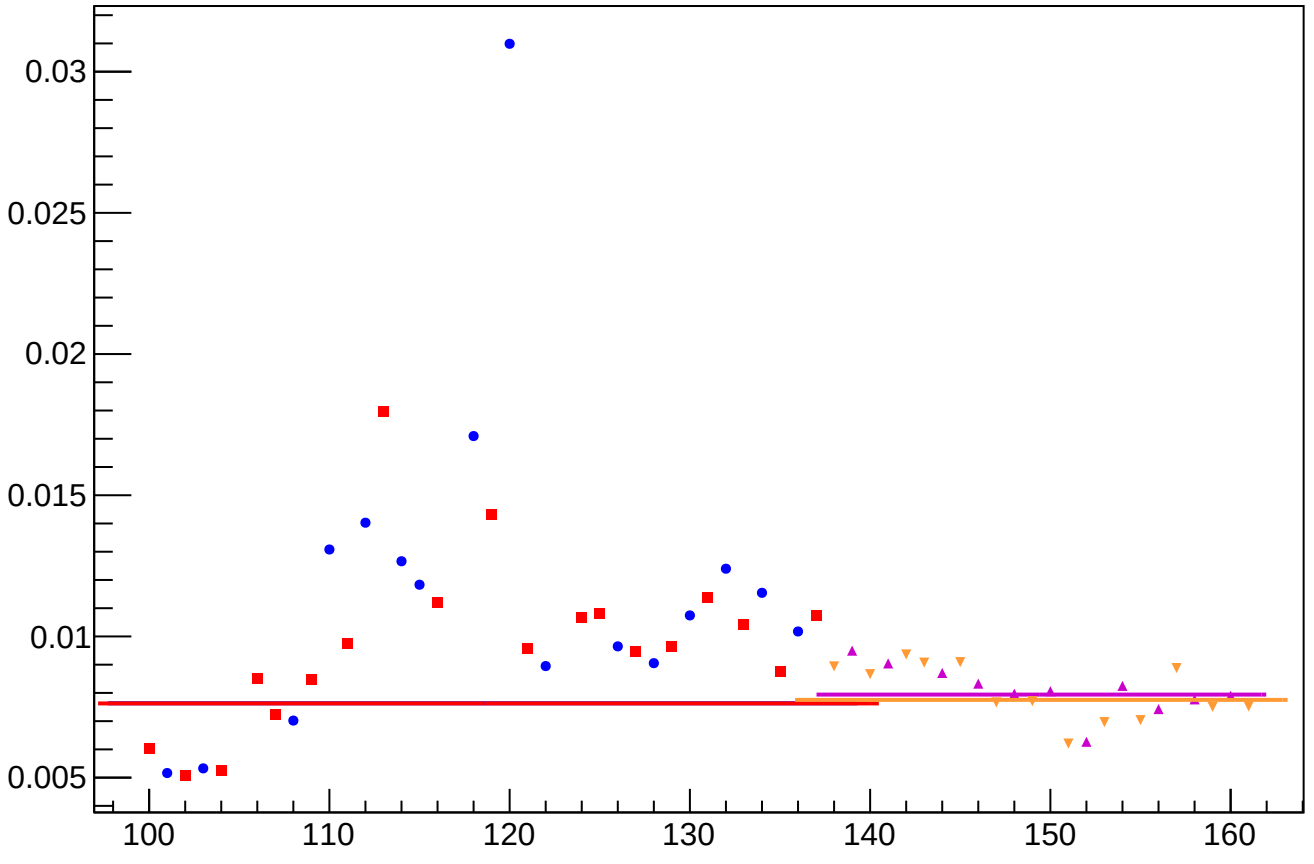
Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.860+/-0.000 χ^2/NDF:26032664929.2/10

+ sign -1.429+/-0.000 χ^2/NDF: 144637198157.4/28

All: -1.446+/-0.000 χ^2/NDF: 299012341575.8

- sign -1.463+/-0.000 χ^2/NDF: 154239778198.0/29



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:269894.4/12

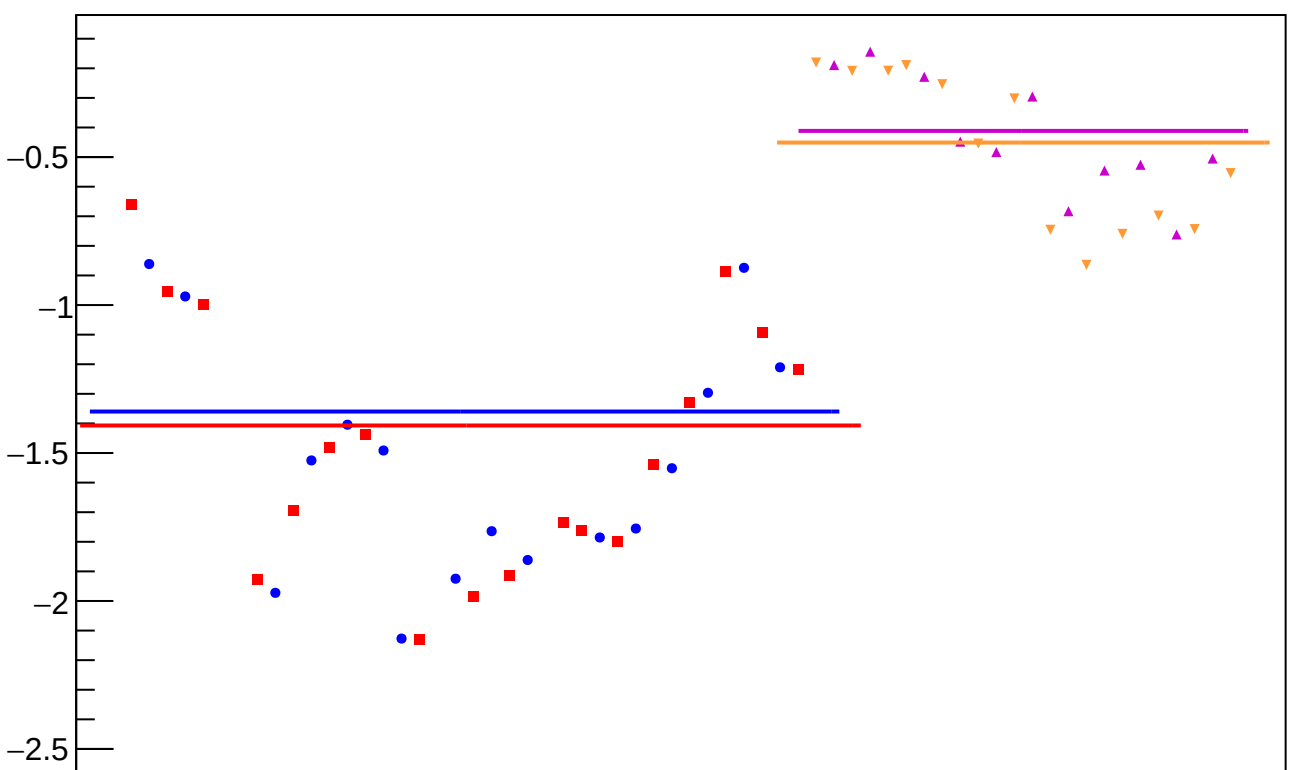
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:200987.3/10

+ sign 0.008+/-0.000 χ^2/NDF: 1982278.8/28

All: 0.008+/-0.000 χ^2/NDF: 3514037.5/58

- sign 0.008+/-0.000 χ^2/NDF: 1529486.0/29



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.451+/-0.000 χ^2/NDF:27813005798.9/12

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

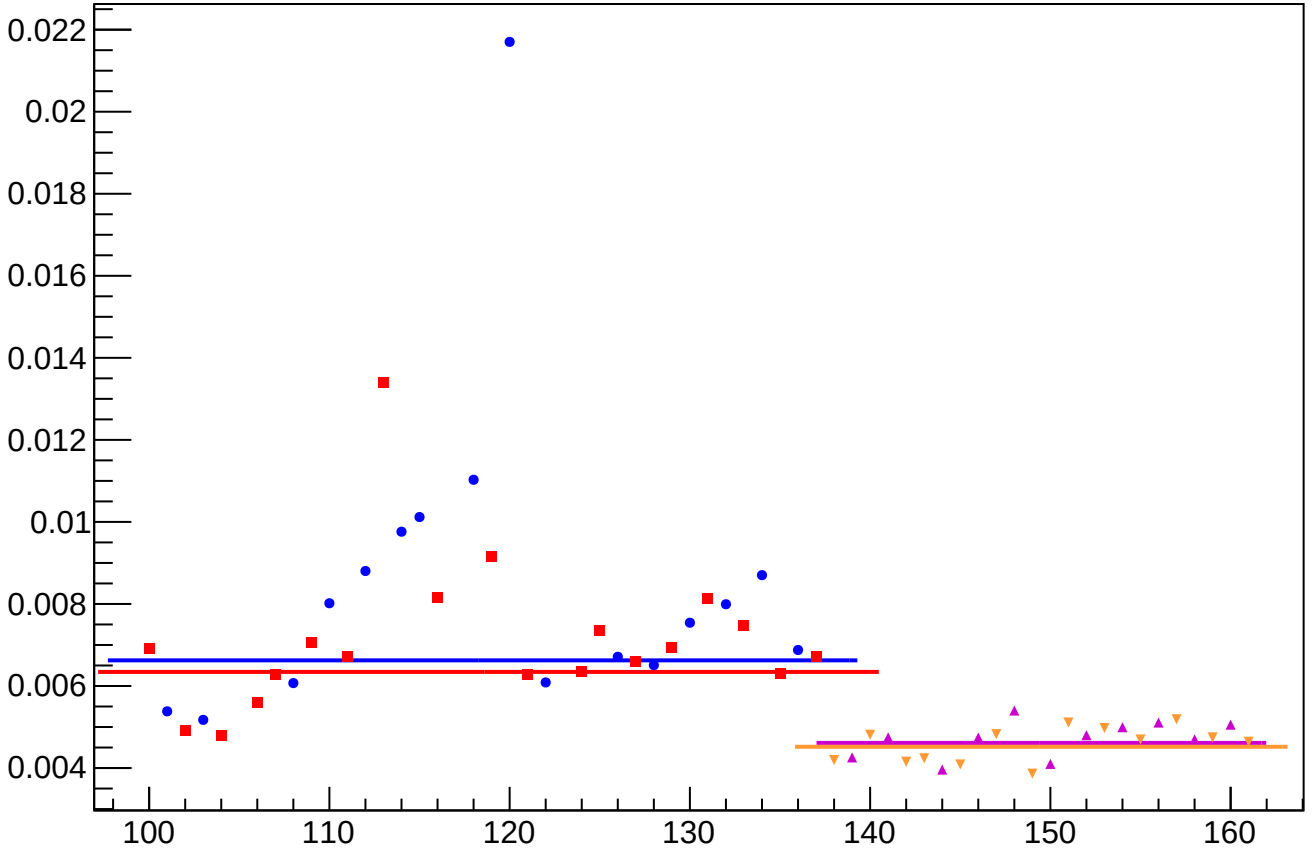
Left In: -0.411+/-0.000 χ^2/NDF:15439170158.5/10

+ sign -0.658+/-0.000 χ^2/NDF: 133449799485.0/28

All: -0.673+/-0.000 χ^2/NDF: 287657729380.5

- sign -0.689+/-0.000 χ^2/NDF: 153933547998.8/29

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:151468.6/12

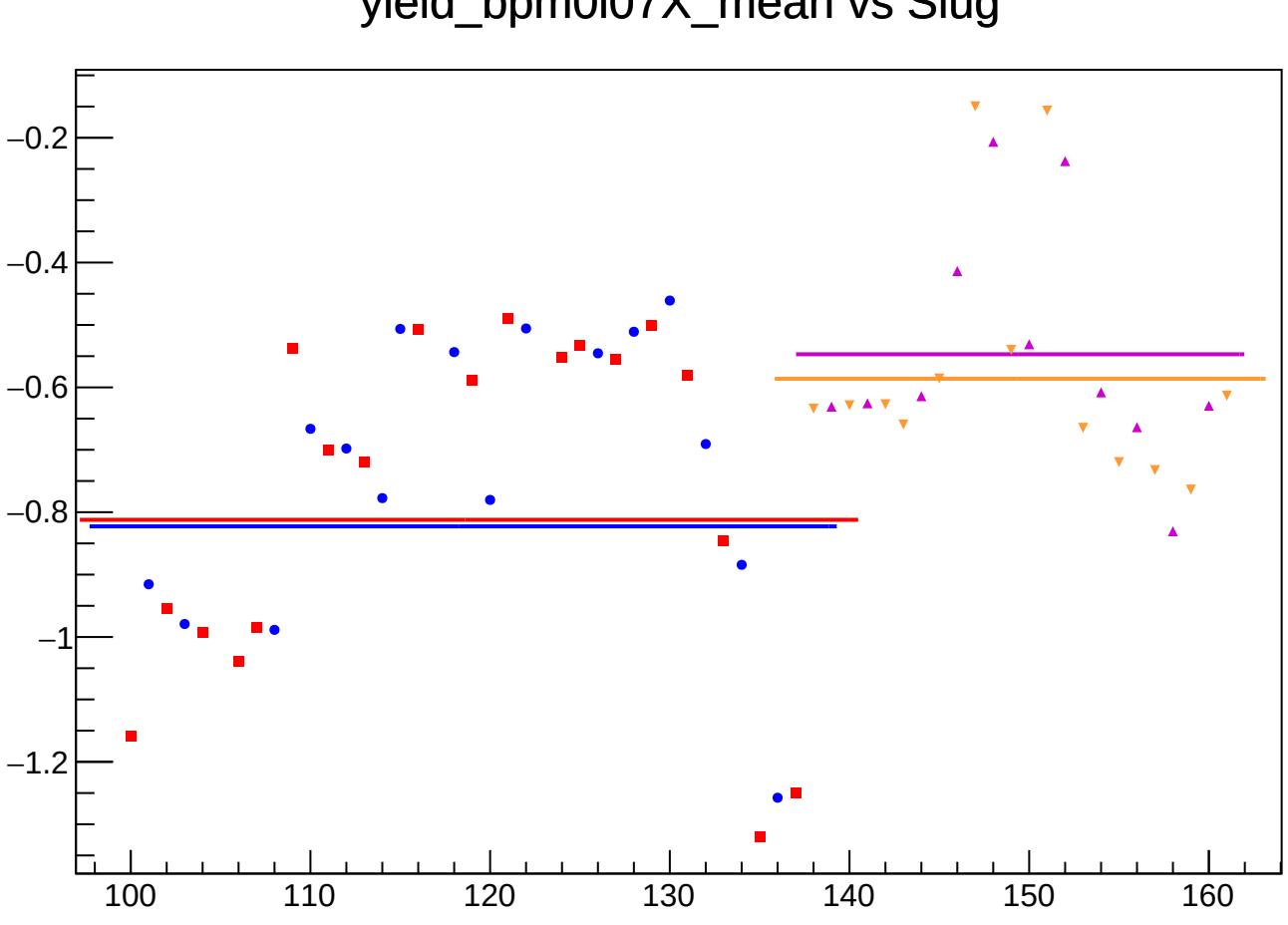
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:147272.8/10

+ sign 0.005+/-0.000 χ^2/NDF: 1749387.7/28

All: 0.005+/-0.000 χ^2/NDF: 3088207.1/58

- sign 0.005+/-0.000 χ^2/NDF: 1333500.2/29



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.586+/-0.000 χ^2/NDF:14057641095.9/12

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

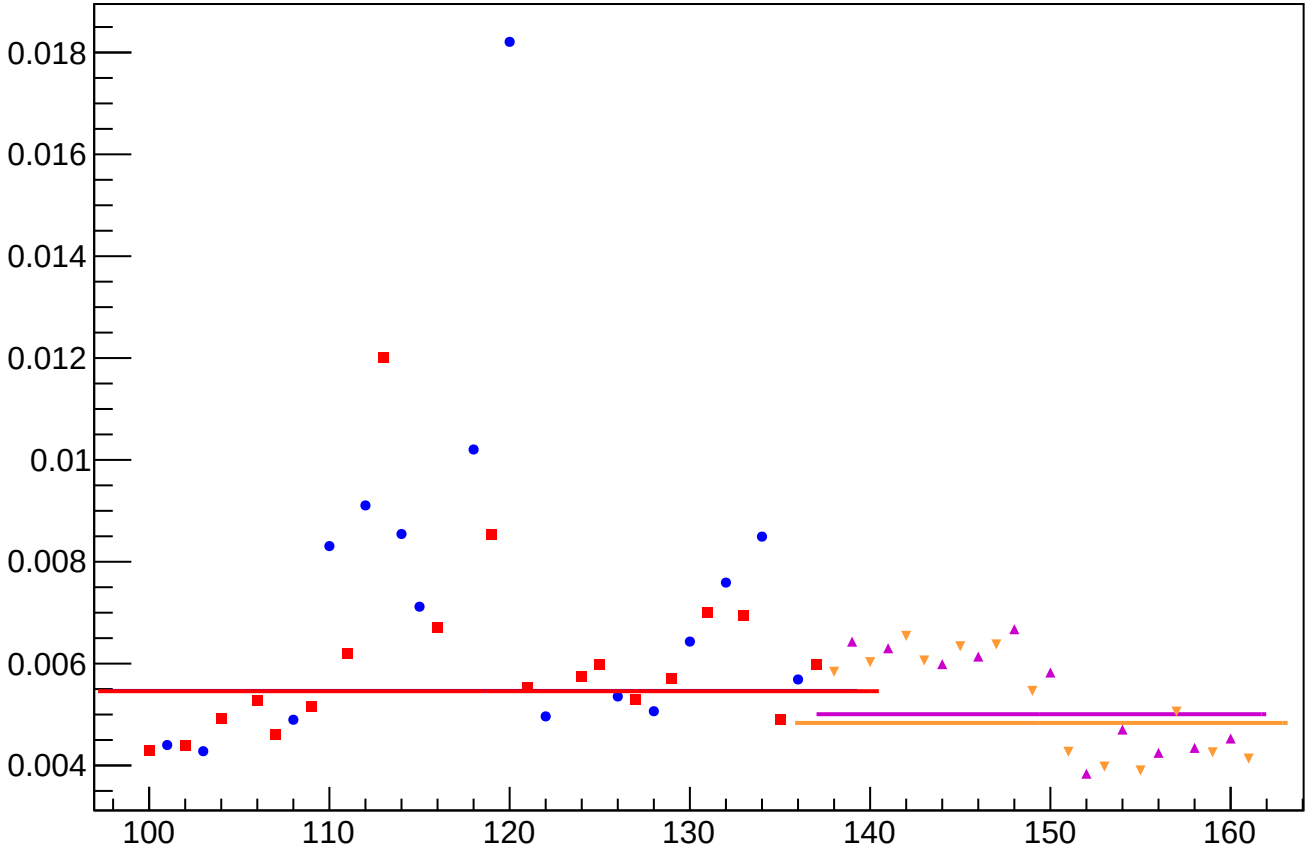
Left In: -0.547+/-0.000 χ^2/NDF:12041403433.3/10

+ sign -0.665+/-0.000 χ^2/NDF: 33175645175.0/28

All: -0.657+/-0.000 χ^2/NDF: 68842785346.5/

- sign -0.649+/-0.000 χ^2/NDF: 35597809284.0/29

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:639037.6/12

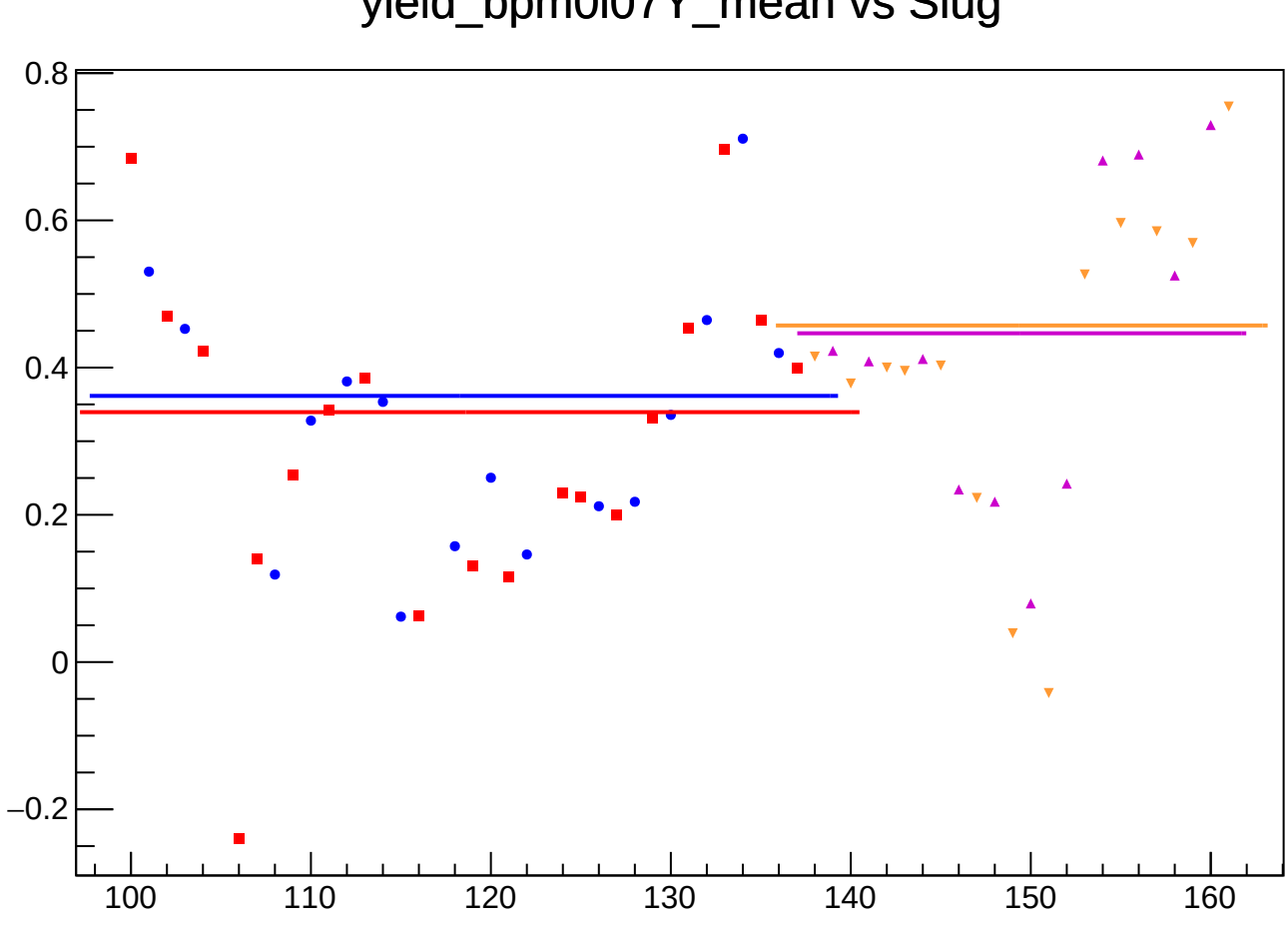
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:610721.5/10

+ sign 0.005+/-0.000 χ^2/NDF: 1697658.6/28

All: 0.005+/-0.000 χ^2/NDF: 2876800.2/58

- sign 0.005+/-0.000 χ^2/NDF: 1169207.0/29



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.457+/-0.000 χ^2/NDF:23871526531.8/12

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

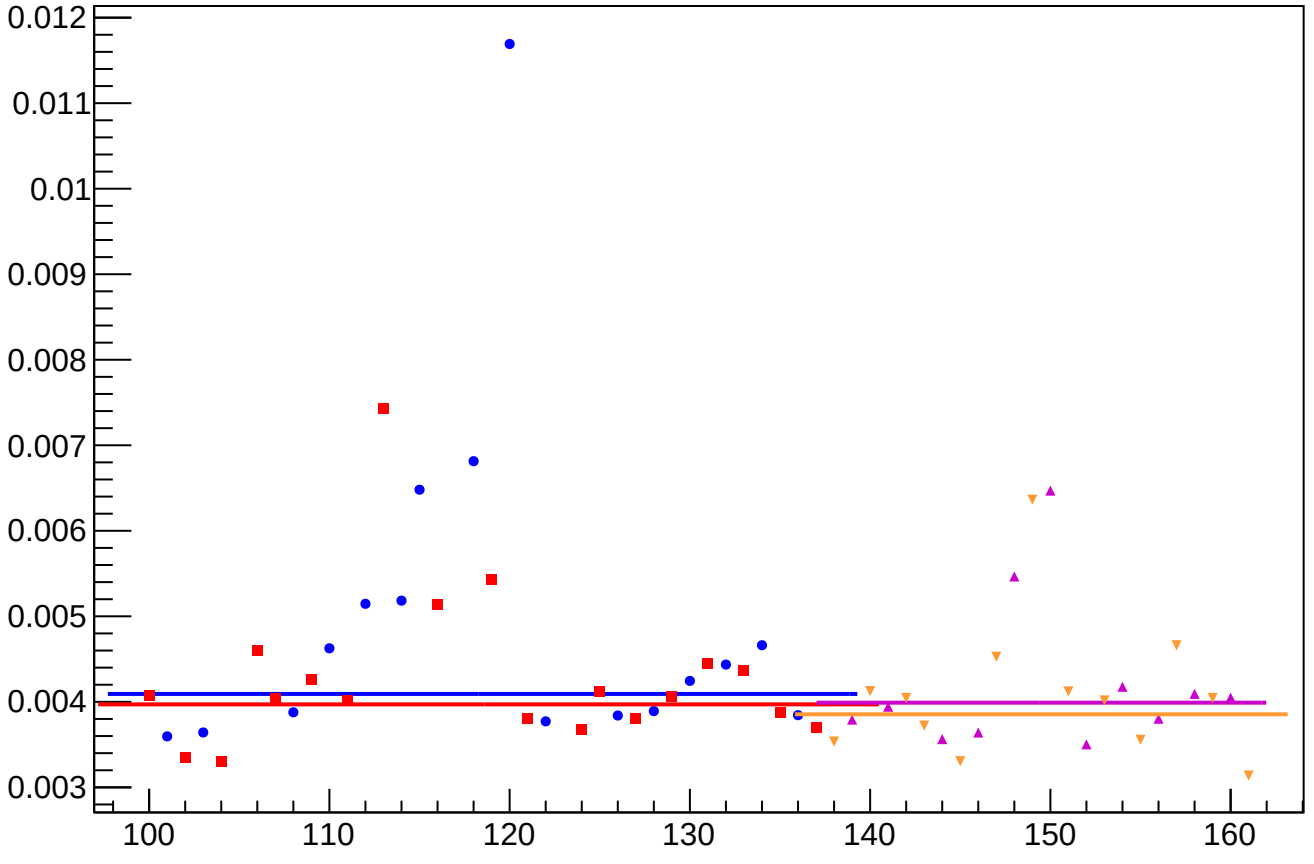
Left In: 0.447+/-0.000 χ^2/NDF:17262279055.9/10

+ sign 0.418+/-0.000 χ^2/NDF: 34623419740.8/28

All: 0.407+/-0.000 χ^2/NDF: 66629576788.1/5

- sign 0.396+/-0.000 χ^2/NDF: 31791353655.3/29

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:416924.2/12

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

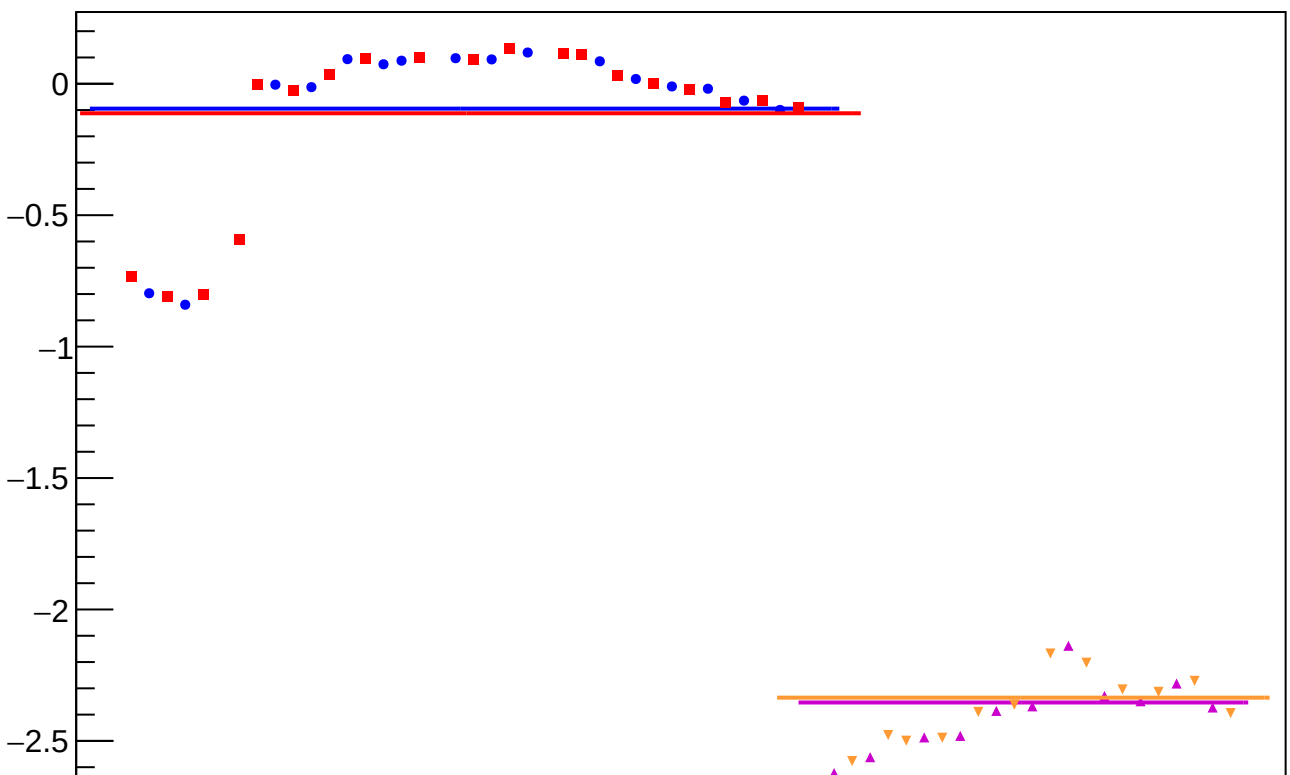
Left In: 0.004+/-0.000 χ^2/NDF:365135.5/10

+ sign 0.004+/-0.000 χ^2/NDF: 933132.6/28

All: 0.004+/-0.000 χ^2/NDF: 1612869.0/58

- sign 0.004+/-0.000 χ^2/NDF: 679006.5/29

yield_bpm1i02X_mean vs Slug



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.335+/-0.000 χ^2/NDF:1607381884.3/12

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

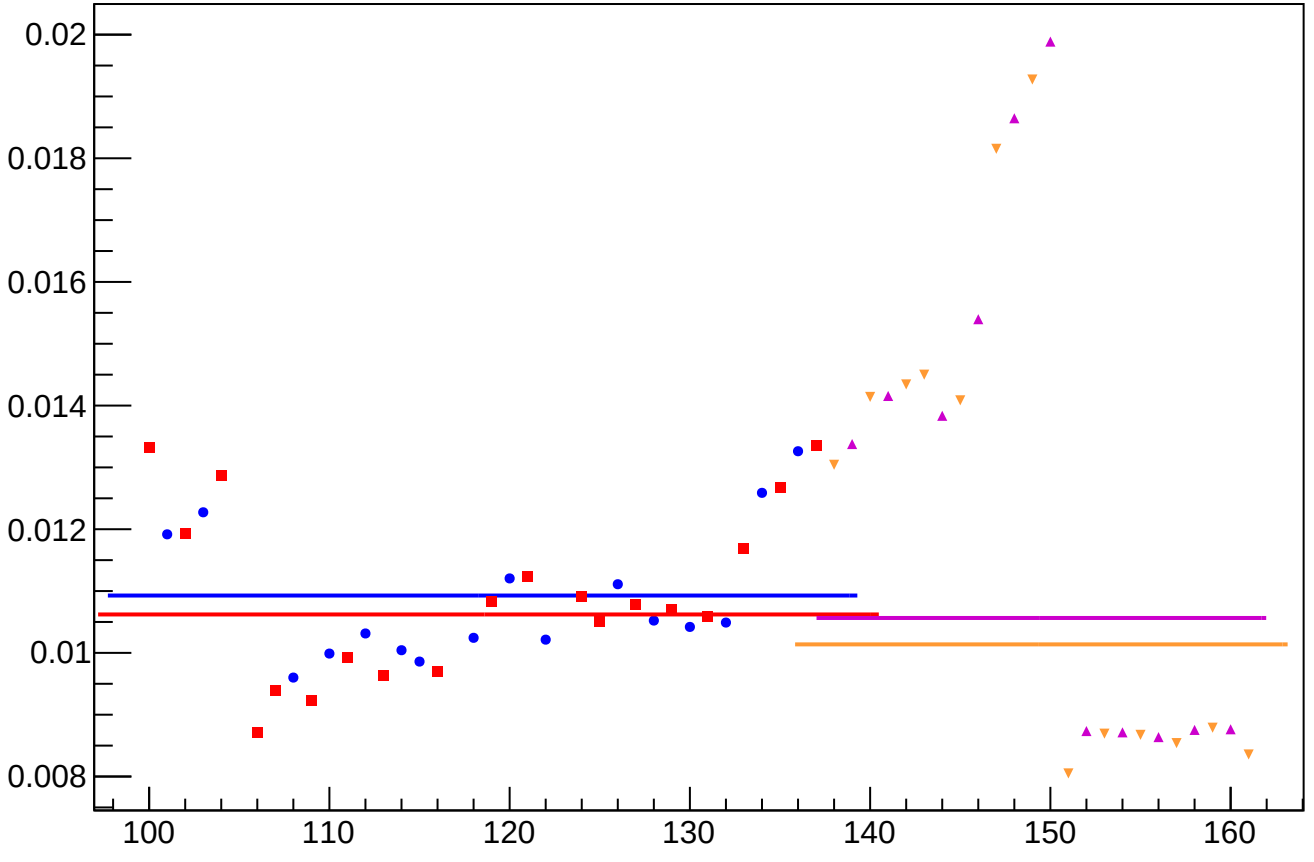
Left In: -2.354+/-0.000 χ^2/NDF:1269065304.5/10

+ sign -1.454+/-0.000 χ^2/NDF: 188724520796.8/28

All: -1.395+/-0.000 χ^2/NDF: 375954540159.8

- sign -1.332+/-0.000 χ^2/NDF: 186145102871.1/29

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1626592.6/12

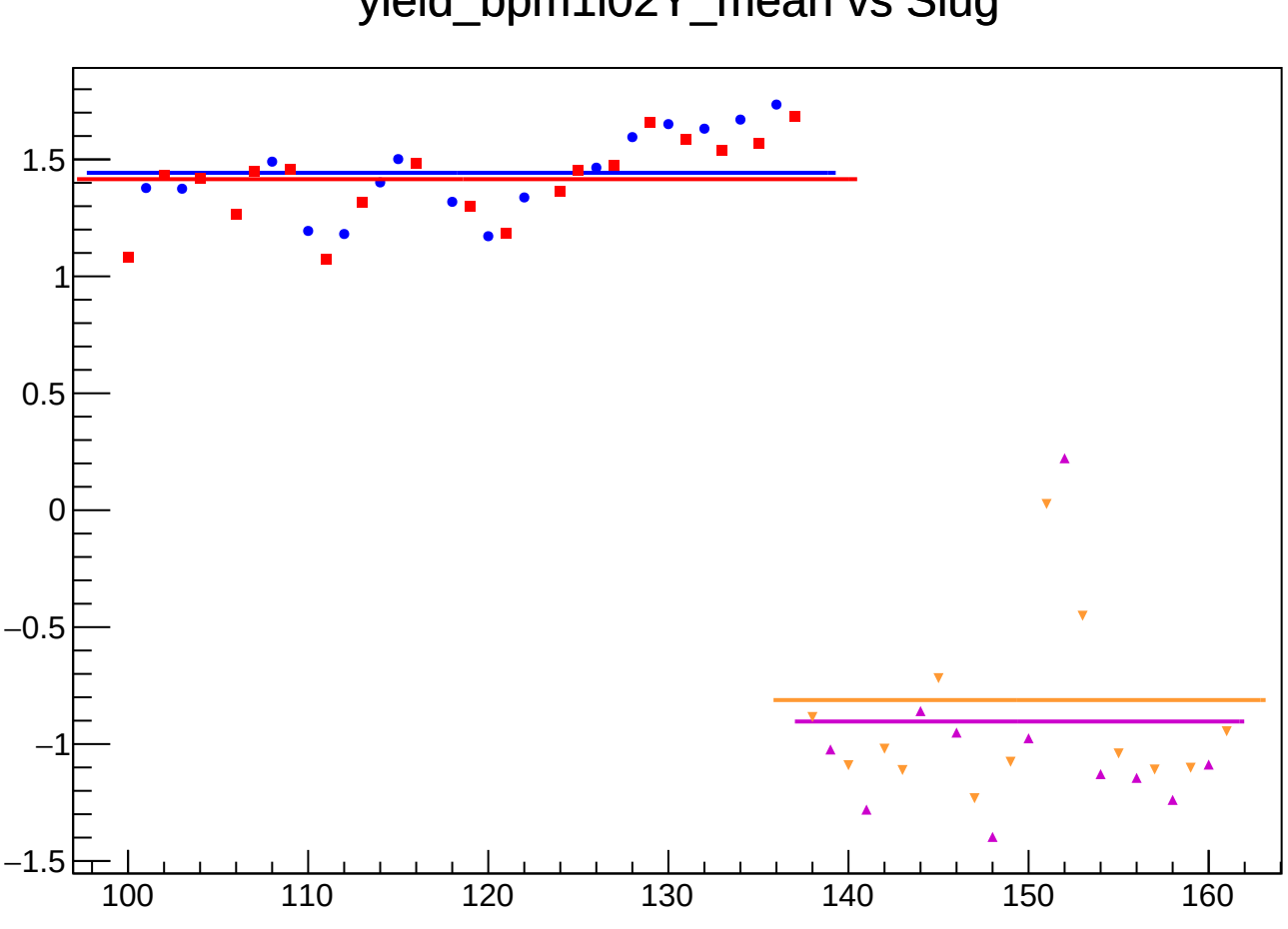
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.011+/-0.000 χ^2/NDF:1549111.4/10

+ sign 0.010+/-0.000 χ^2/NDF: 1808233.1/28

All: 0.011+/-0.000 χ^2/NDF: 3551075.9/58

- sign 0.011+/-0.000 χ^2/NDF: 1739867.8/29



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.812+/-0.000 χ^2/NDF:26749551401.4/12

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

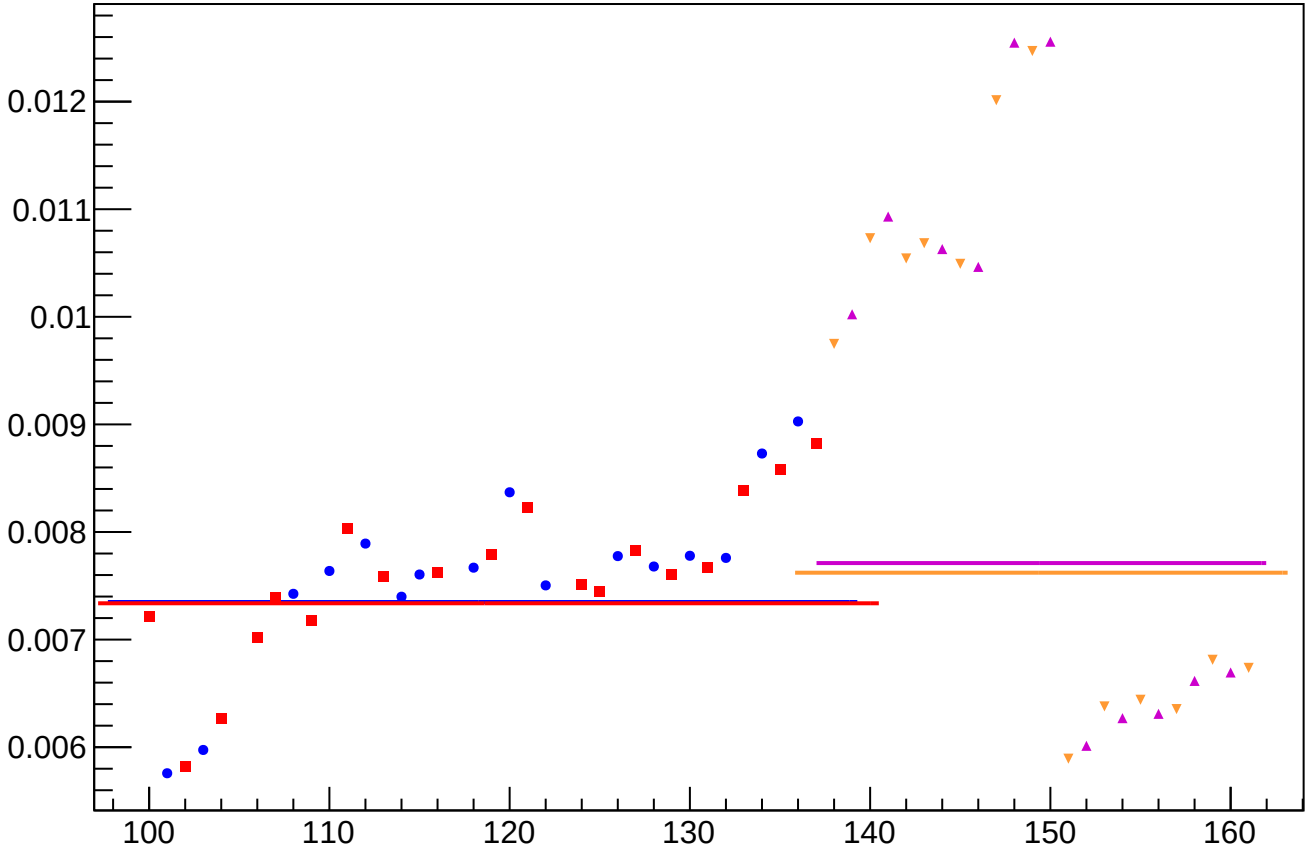
Left In: -0.904+/-0.000 χ^2/NDF:37950562413.1/10

+ sign 0.186+/-0.000 χ^2/NDF: 401290507579.6/28

All: 0.198+/-0.000 χ^2/NDF: 824506273410.9

- sign 0.211+/-0.000 χ^2/NDF: 423119772359.1/29

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:1385057.9/12

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

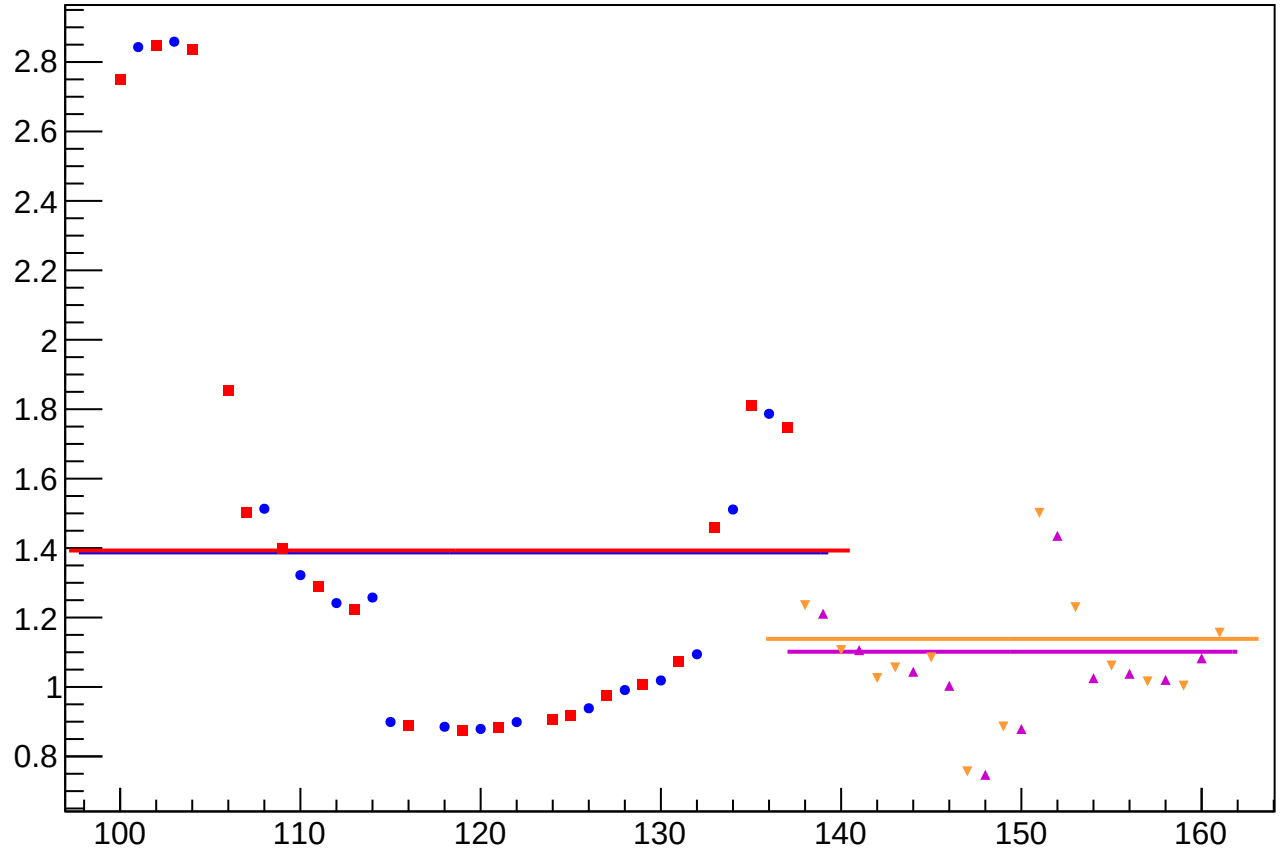
Left In: 0.008+/-0.000 χ^2/NDF:1412277.0/10

+ sign 0.008+/-0.000 χ^2/NDF: 1666747.6/28

All: 0.008+/-0.000 χ^2/NDF: 3294526.2/58

- sign 0.008+/-0.000 χ^2/NDF: 1627511.8/29

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.139+/-0.000 χ^2/NDF:5308739372.6/12

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

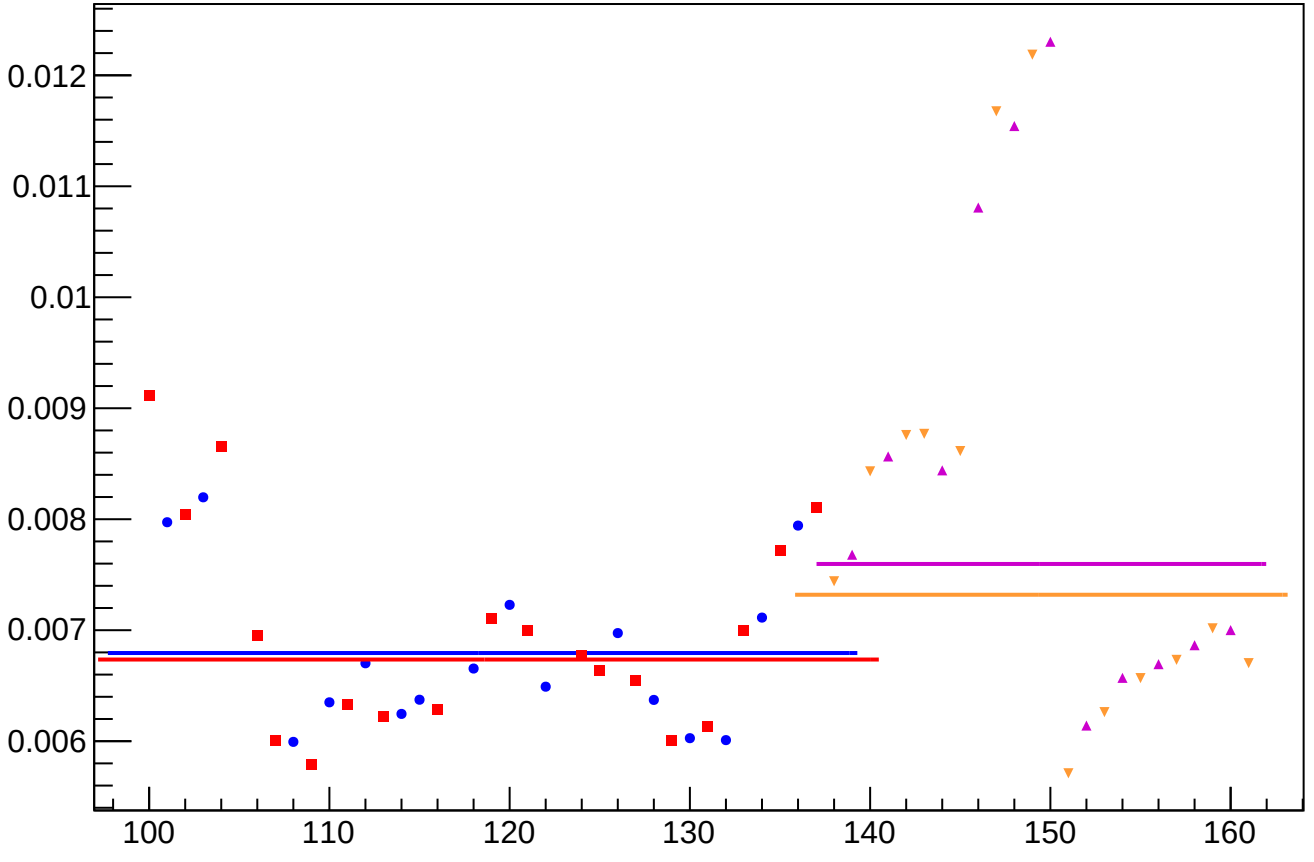
Left In: 1.101+/-0.000 χ^2/NDF:4143951923.9/10

+ sign 1.254+/-0.000 χ^2/NDF: 69044452922.4/28

All: 1.253+/-0.000 χ^2/NDF: 135249074189.4

- sign 1.251+/-0.000 χ^2/NDF: 66203642847.9/29

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:797838.3/12

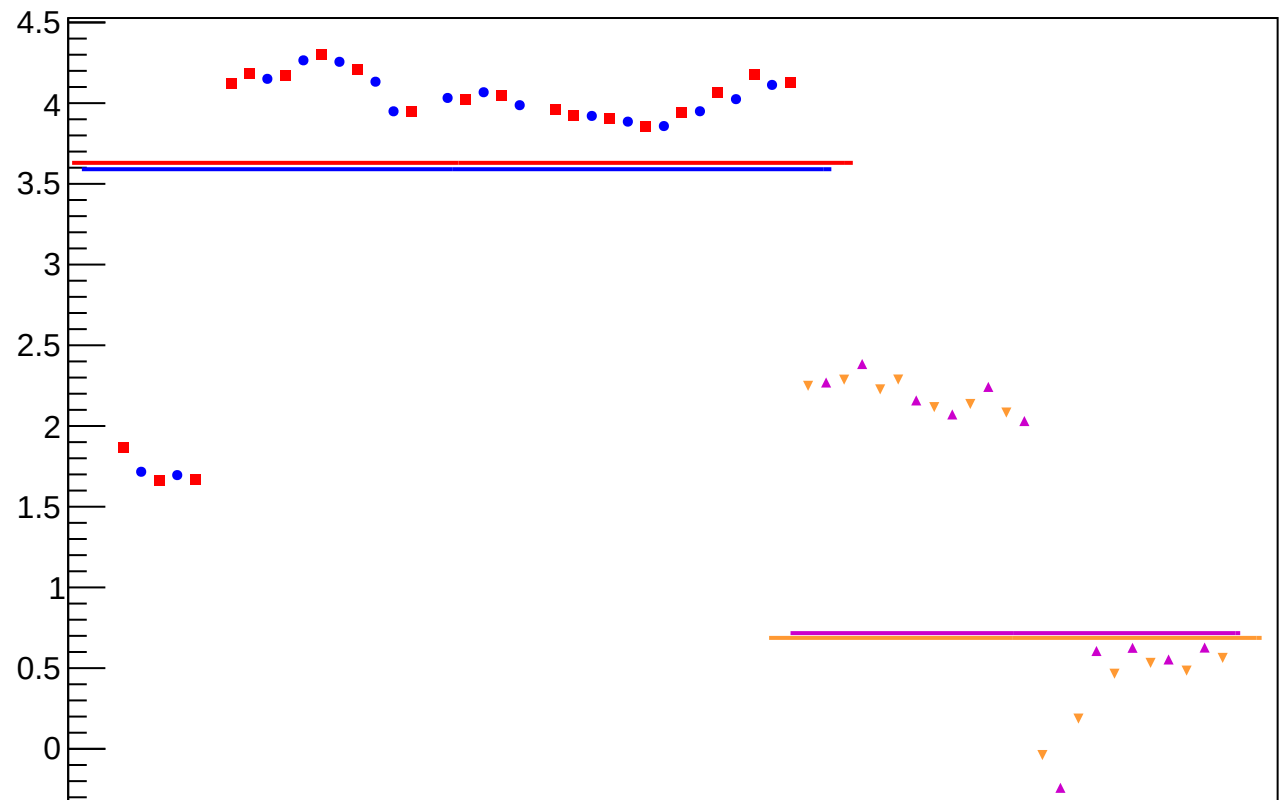
Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:806827.8/10

+ sign 0.007+/-0.000 χ^2/NDF: 1007834.6/28

All: 0.007+/-0.000 χ^2/NDF: 2131903.9/58

- sign 0.007+/-0.000 χ^2/NDF: 1122118.8/29



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.687+/-0.000 χ^2/NDF:243541835795.7/12

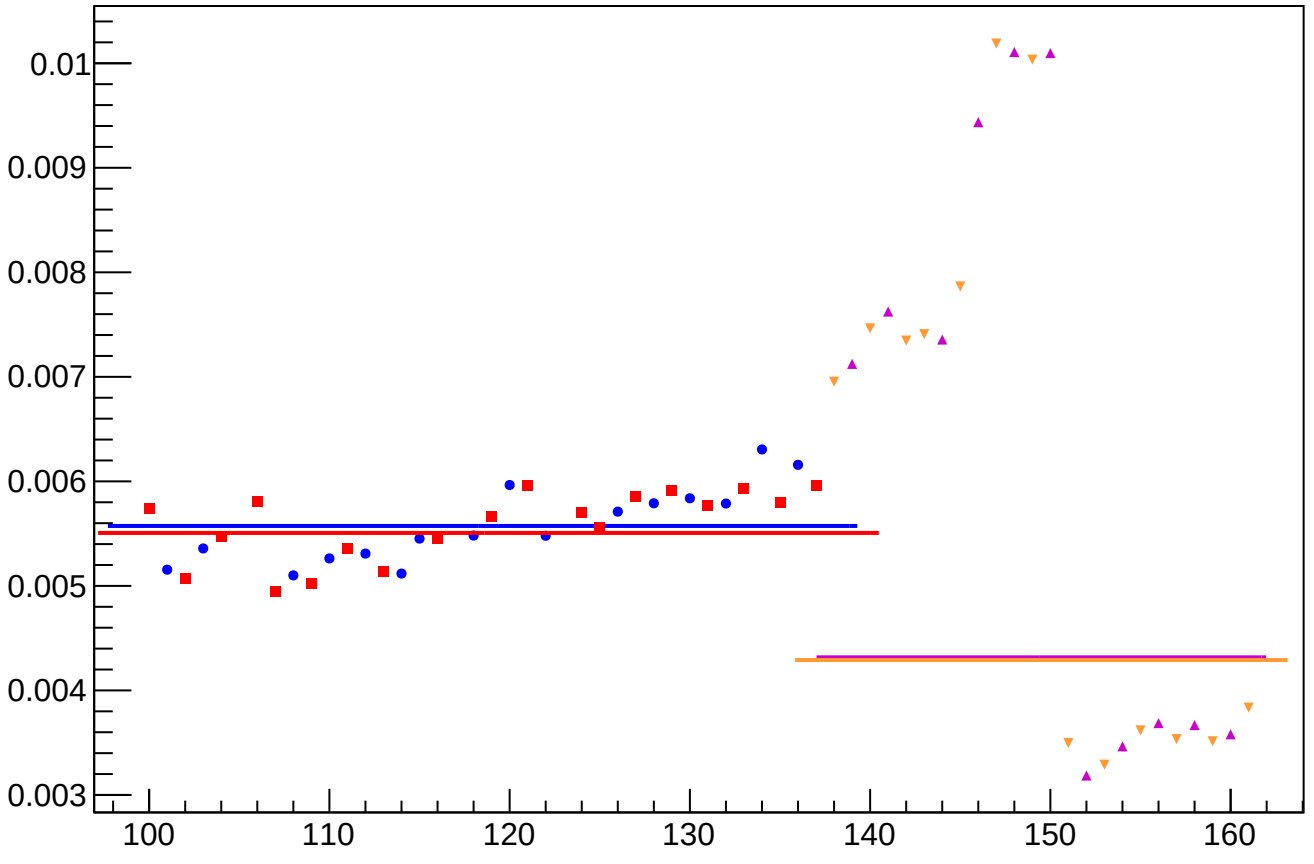
Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.717+/-0.000 χ^2/NDF:241383456804.5/10

+ sign 1.660+/-0.000 χ^2/NDF: 1739220558029.0/28

All: 1.723+/-0.000 χ^2/NDF: 3489609931472.

- sign 1.790+/-0.000 χ^2/NDF: 1744670325972.1/29



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2700458.7/12

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

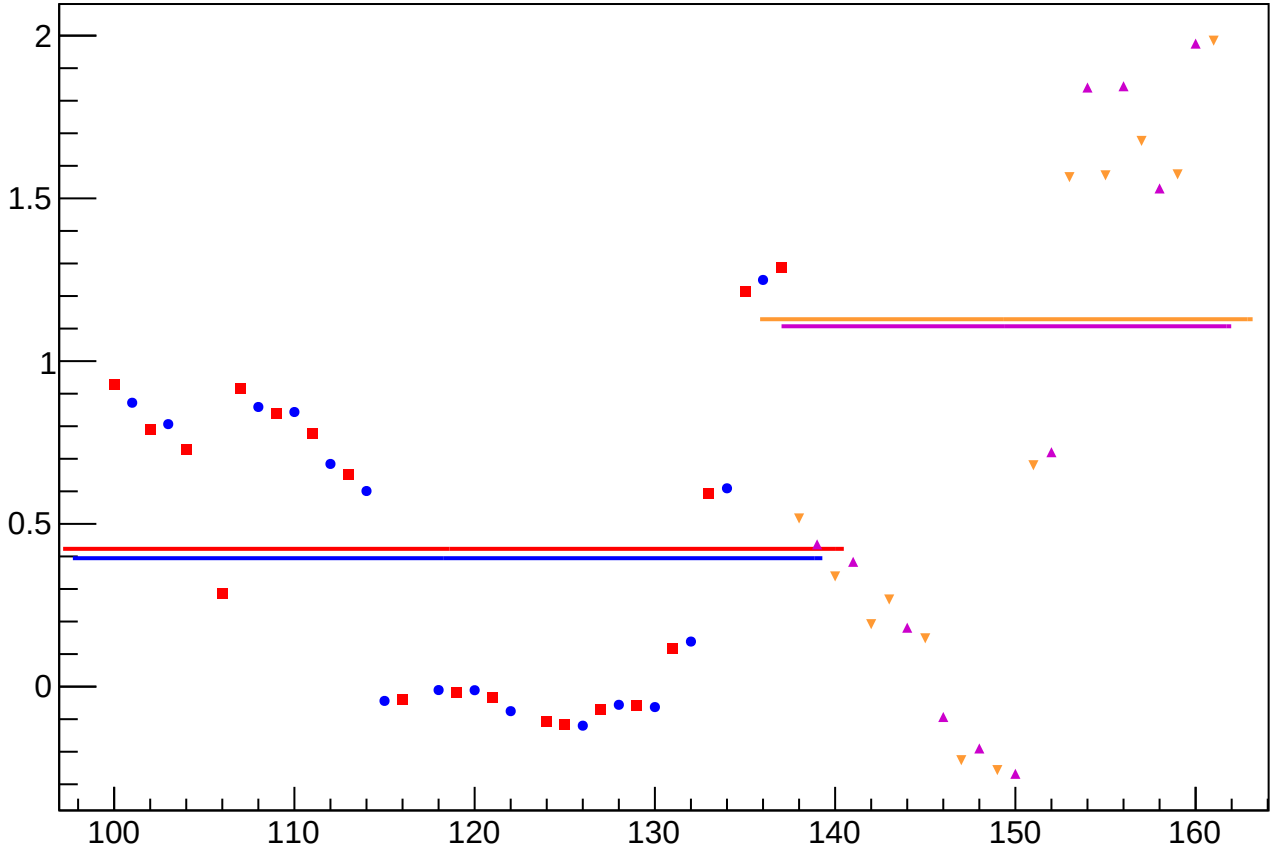
Left In: 0.004+/-0.000 χ^2/NDF:2864413.7/10

+ sign 0.005+/-0.000 χ^2/NDF: 3264693.1/28

All: 0.005+/-0.000 χ^2/NDF: 6618008.4/58

- sign 0.005+/-0.000 χ^2/NDF: 3352499.7/29

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.129+/-0.000 χ^2/NDF:35672803275.3/12

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

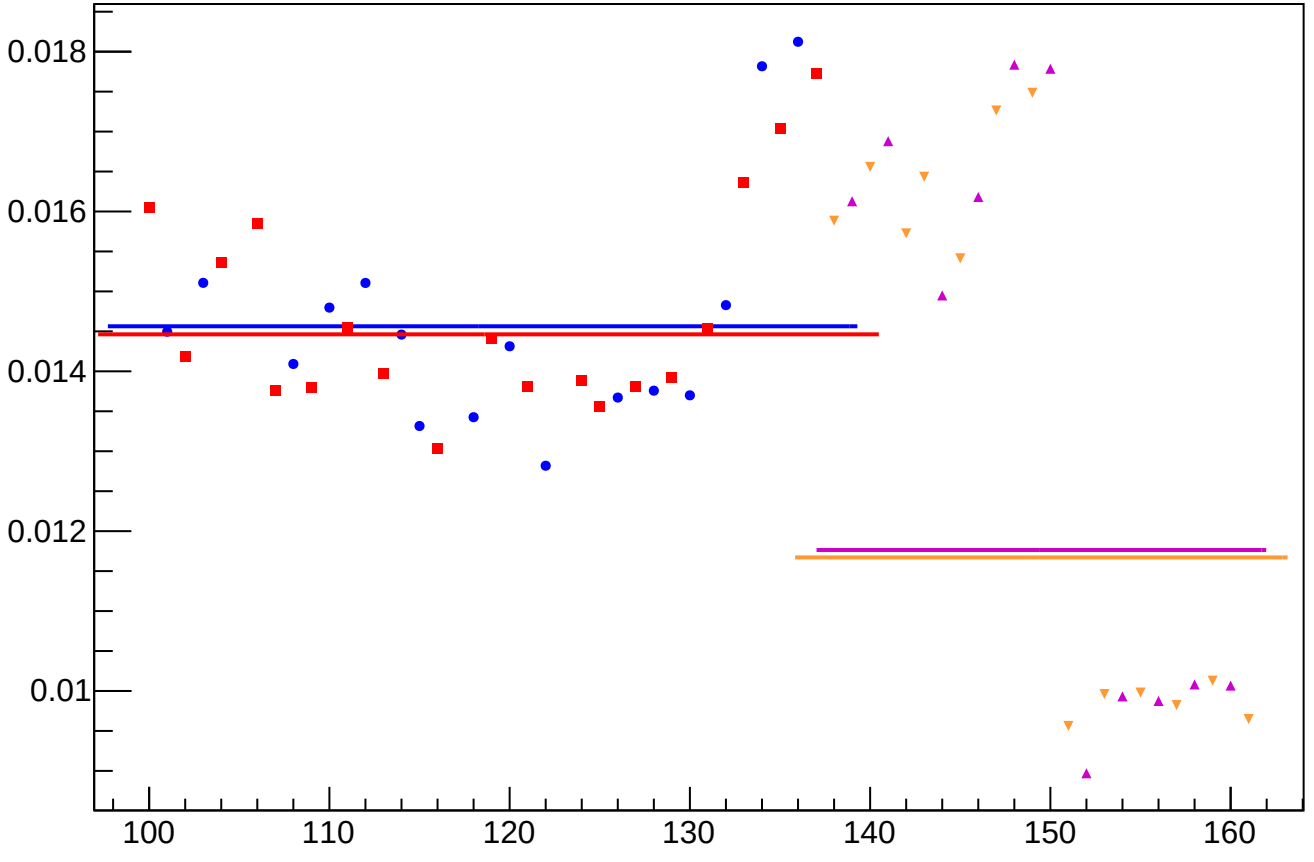
Left In: 1.107+/-0.000 χ^2/NDF:39465530495.1/10

+ sign 0.892+/-0.000 χ^2/NDF: 55296893776.4/28

All: 0.879+/-0.000 χ^2/NDF: 112218537966.4

- sign 0.865+/-0.000 χ^2/NDF: 56885481325.0/29

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:1232981.7/12

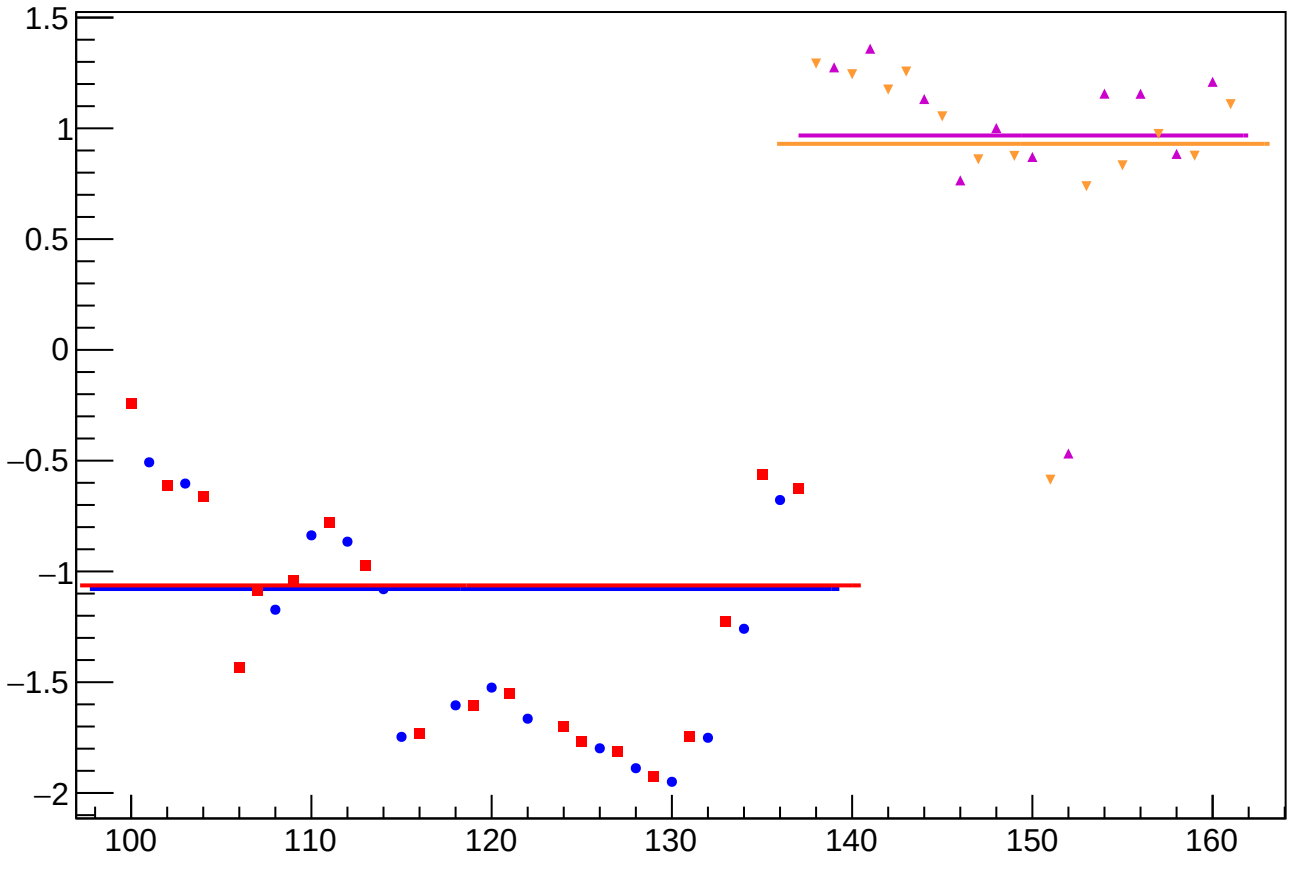
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.012+/-0.000 χ^2/NDF:1268411.1/10

+ sign 0.013+/-0.000 χ^2/NDF: 1745158.0/28

All: 0.013+/-0.000 χ^2/NDF: 3419874.5/58

- sign 0.013+/-0.000 χ^2/NDF: 1673383.2/29



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.930+/-0.000 χ^2/NDF:100821540122.4/12

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

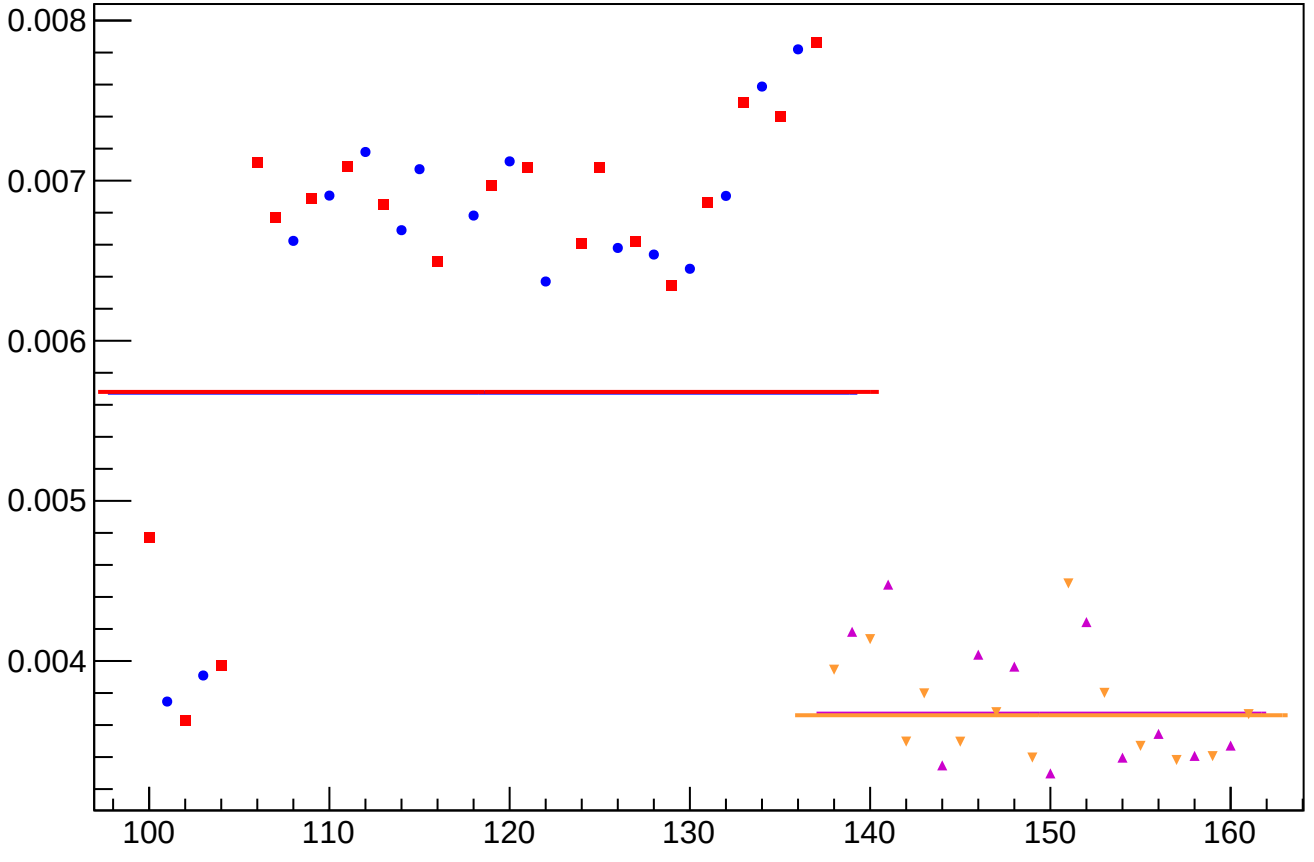
Left In: 0.968+/-0.000 χ^2/NDF:115643166449.9/10

+ sign 0.482+/-0.000 χ^2/NDF: 780688396912.3/28

All: 0.479+/-0.000 χ^2/NDF: 1570758425539.

- sign 0.476+/-0.000 χ^2/NDF: 790053013311.4/29

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:115497.9/12

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

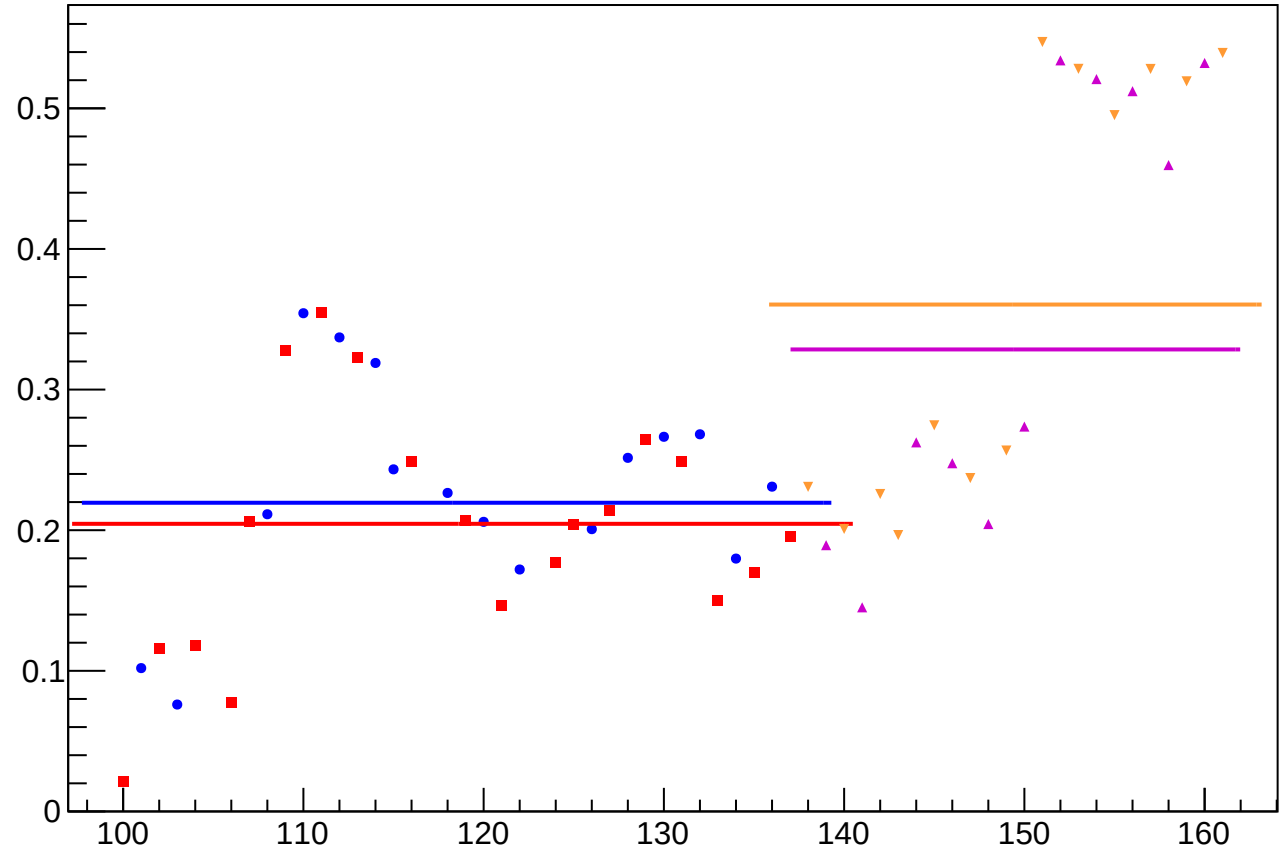
Left In: 0.004+/-0.000 χ^2/NDF:188014.9/10

+ sign 0.004+/-0.000 χ^2/NDF: 2307239.5/28

All: 0.004+/-0.000 χ^2/NDF: 4700536.5/58

- sign 0.004+/-0.000 χ^2/NDF: 2391357.3/29

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.360+/-0.000 χ^2/NDF:104319501685.3/12

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

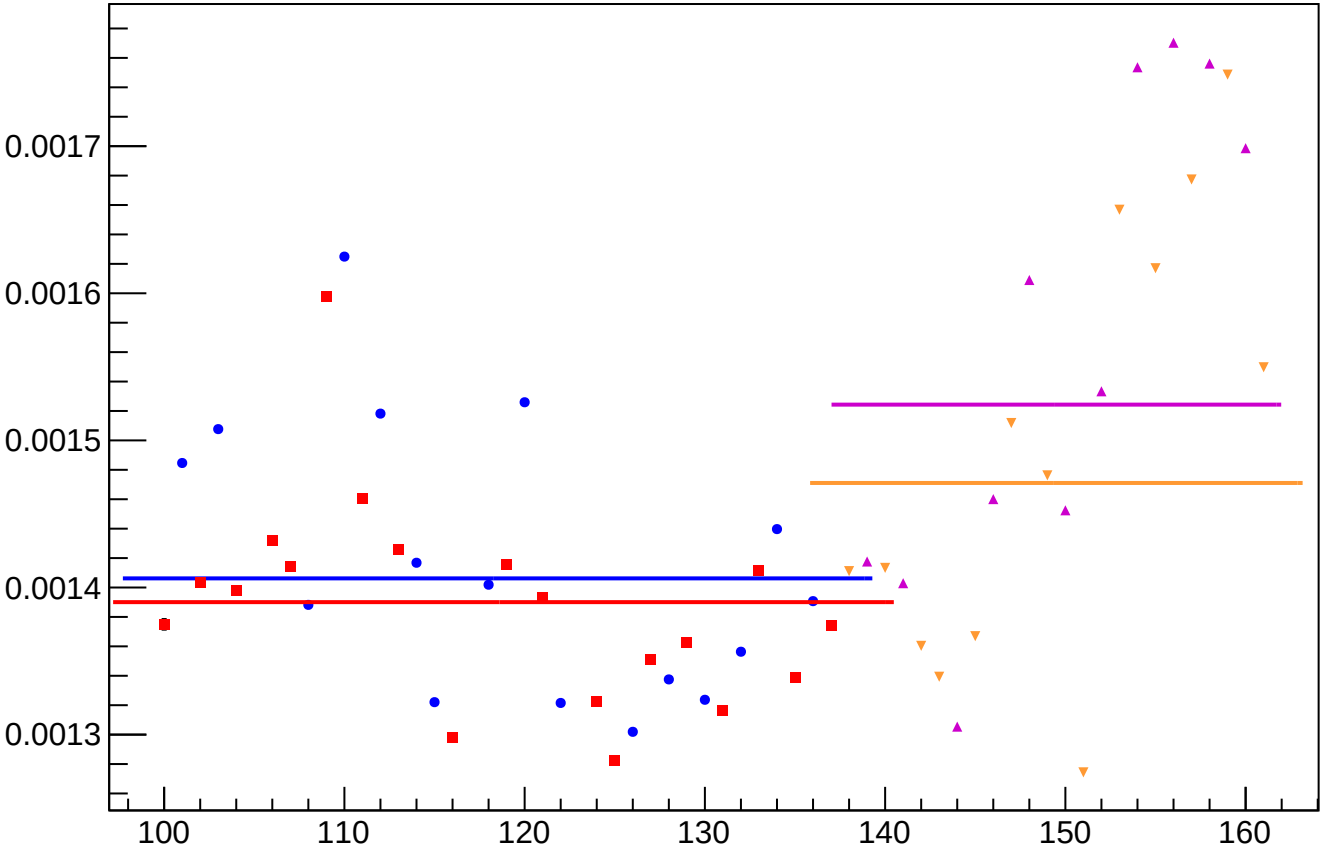
Left In: 0.329+/-0.000 χ^2/NDF:84708895346.9/10

+ sign 0.300+/-0.000 χ^2/NDF: 160923667309.7/28

All: 0.284+/-0.000 χ^2/NDF: 301924318401.4

- sign 0.268+/-0.000 χ^2/NDF: 136878481897.0/29

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:183224.2/12

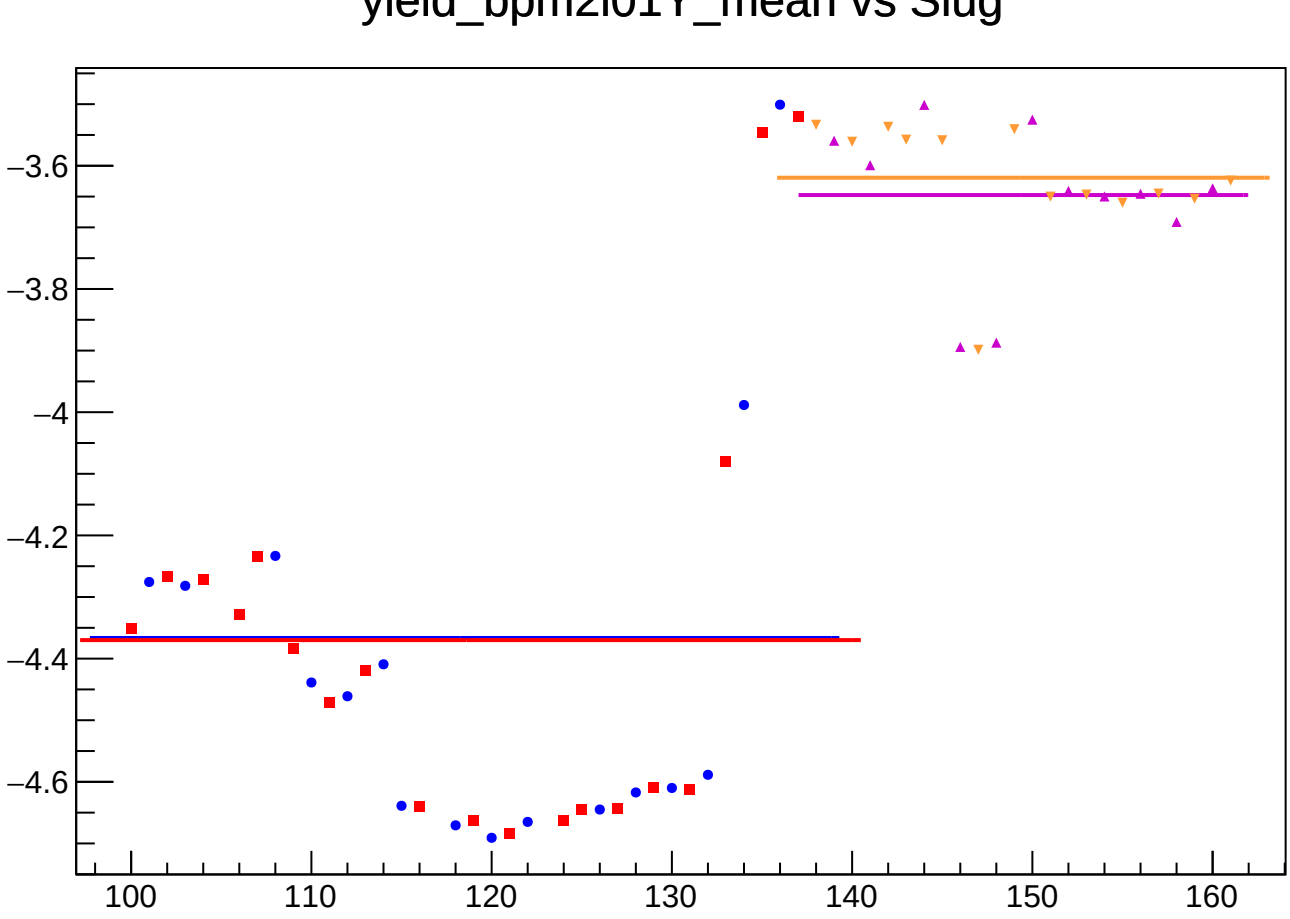
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:193052.8/10

+ sign 0.001+/-0.000 χ^2/NDF: 248311.5/28

All: 0.001+/-0.000 χ^2/NDF: 548054.6/58

- sign 0.001+/-0.000 χ^2/NDF: 297837.7/29



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.619+/-0.000 χ^2/NDF:20321524240.9/12

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

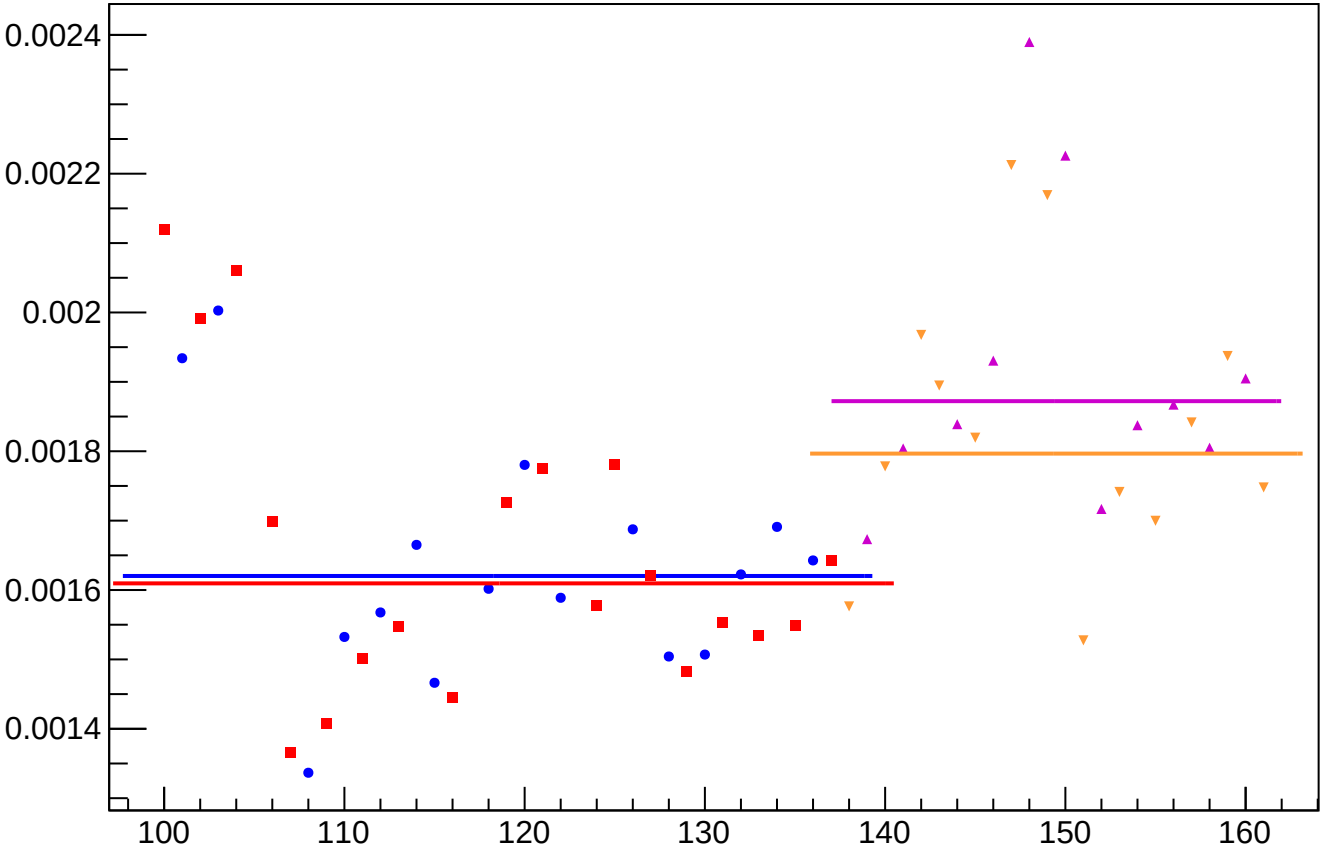
Left In: -3.648+/-0.000 χ^2/NDF:32932011633.4/10

+ sign -3.965+/-0.000 χ^2/NDF: 1159259326359.2/2

All: -3.991+/-0.000 χ^2/NDF: 2192872775153

- sign -4.019+/-0.000 χ^2/NDF: 1025501490270.4/29

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:210939.6/12

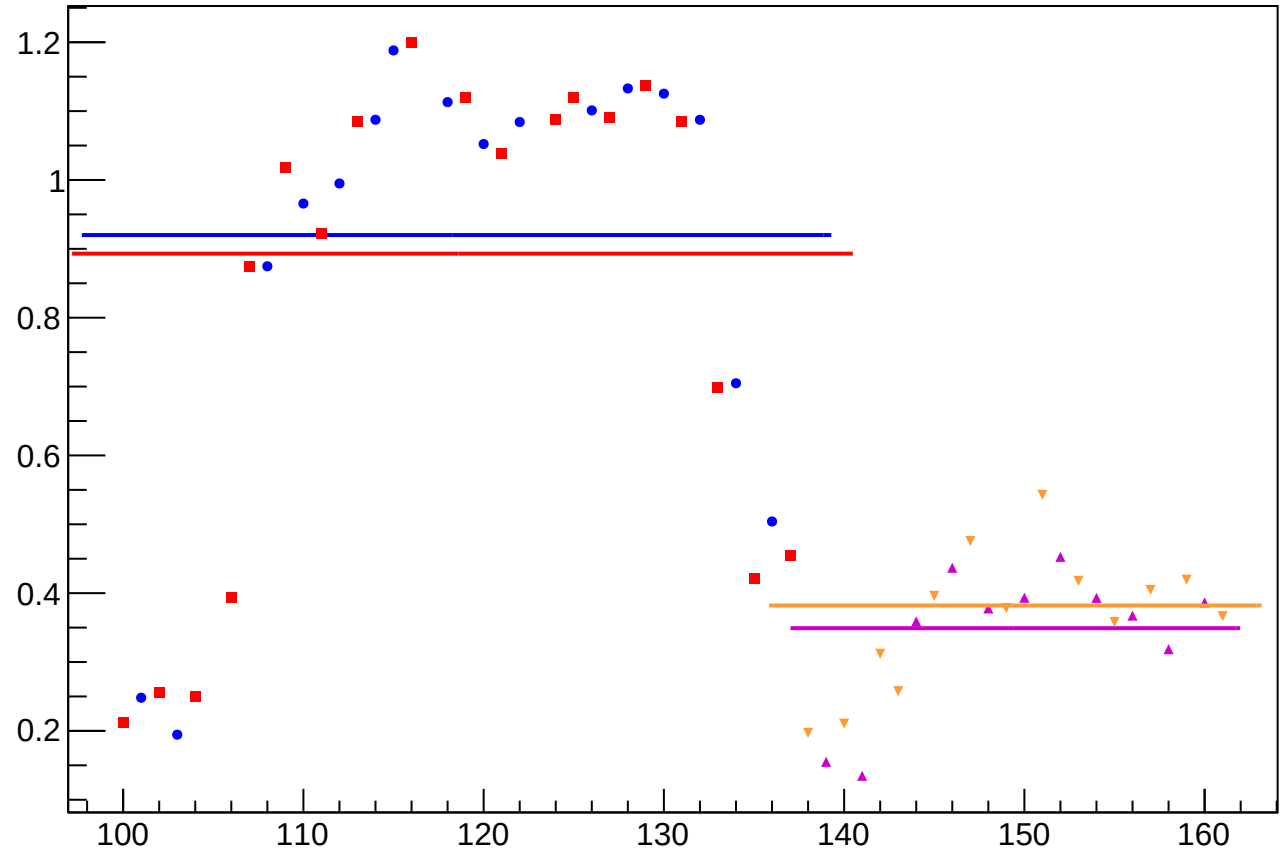
Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:163319.7/10

+ sign 0.002+/-0.000 χ^2/NDF: 438741.7/28

All: 0.002+/-0.000 χ^2/NDF: 973751.9/58

- sign 0.002+/-0.000 χ^2/NDF: 532337.9/29



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.382+/-0.000 χ^2/NDF:1668307695.3/12

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

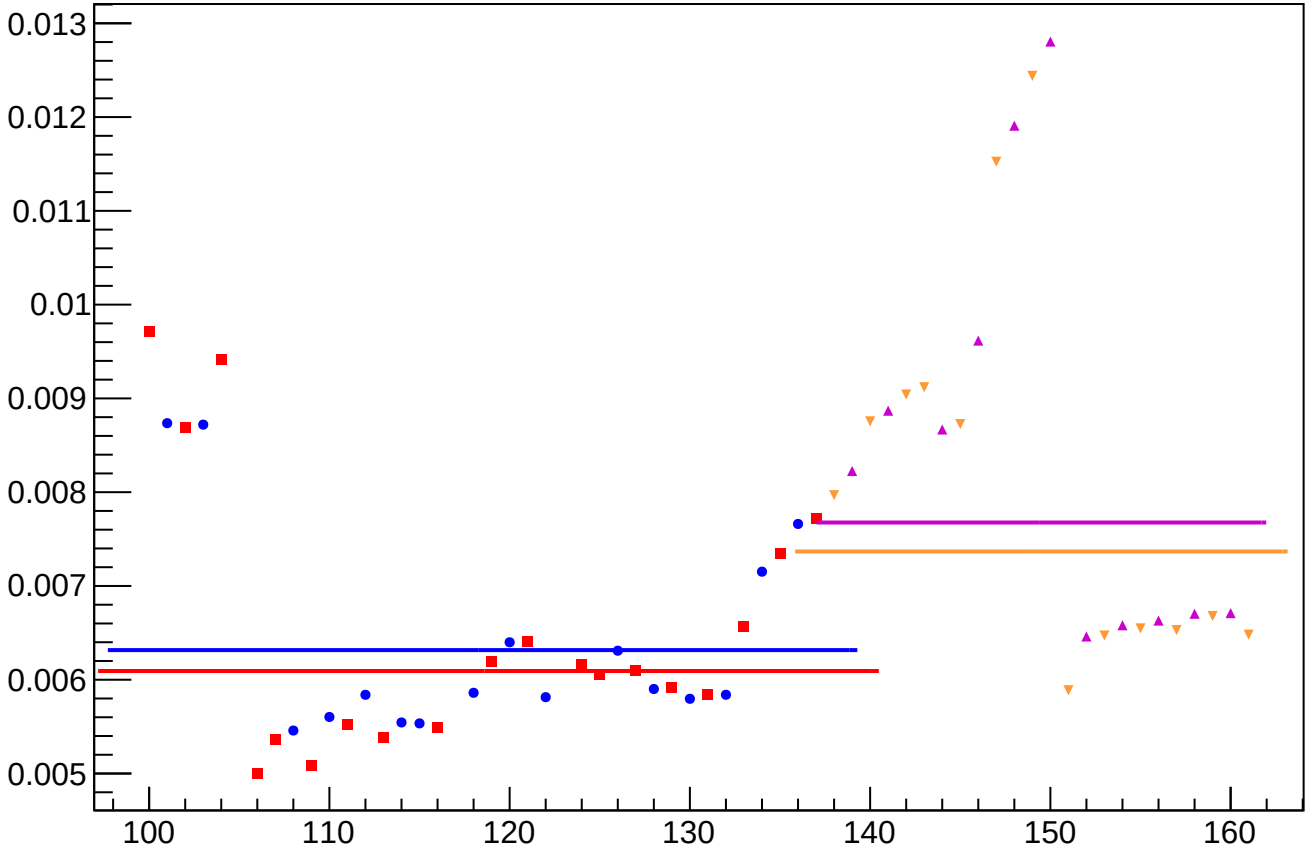
Left In: 0.349+/-0.000 χ^2/NDF:1384411097.6/10

+ sign 0.647+/-0.000 χ^2/NDF: 42024967016.1/28

All: 0.650+/-0.000 χ^2/NDF: 86502263889.1/5

- sign 0.654+/-0.000 χ^2/NDF: 44470252305.8/29

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:907973.0/12

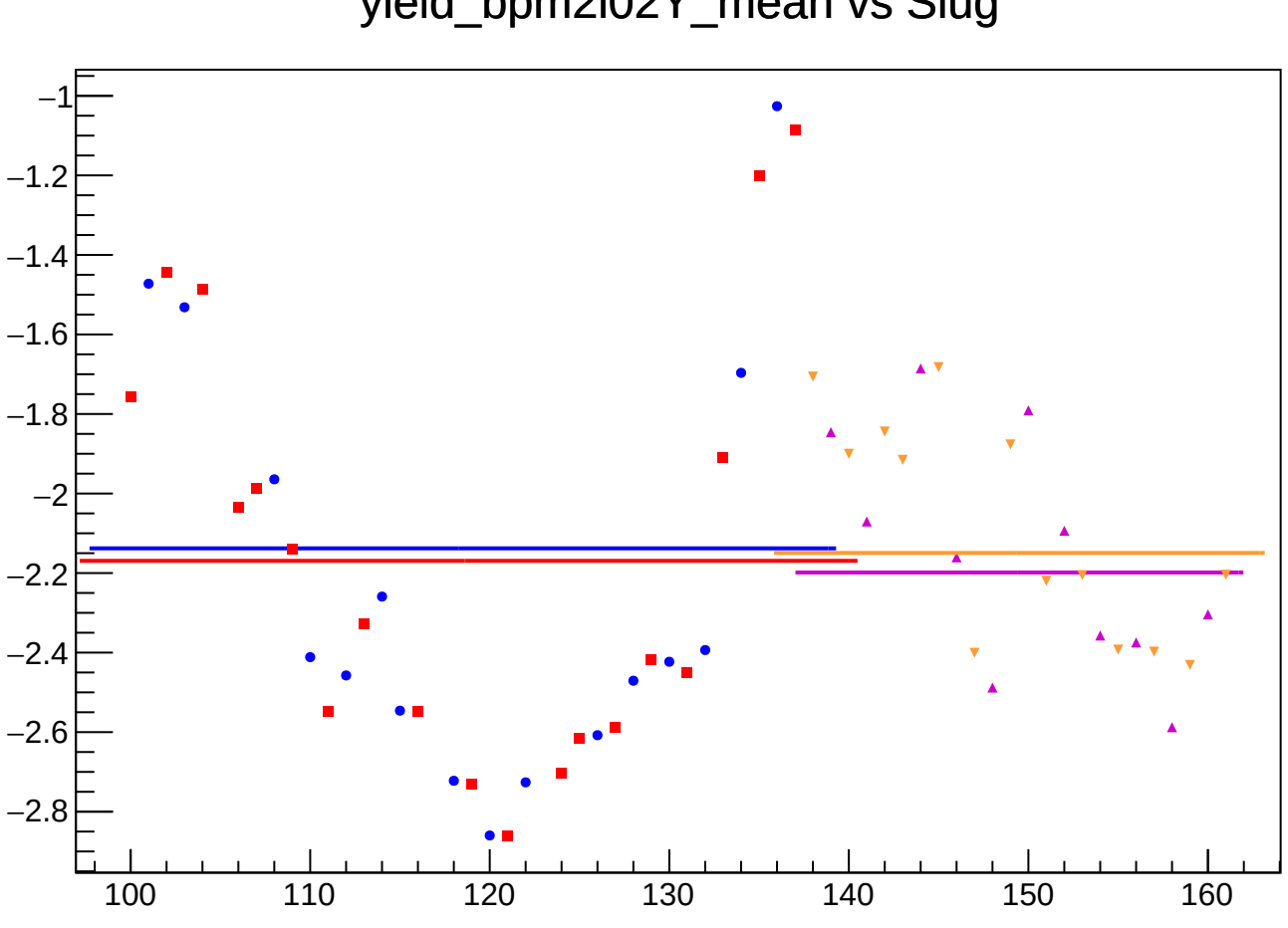
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.008+/-0.000 χ^2/NDF:852442.4/10

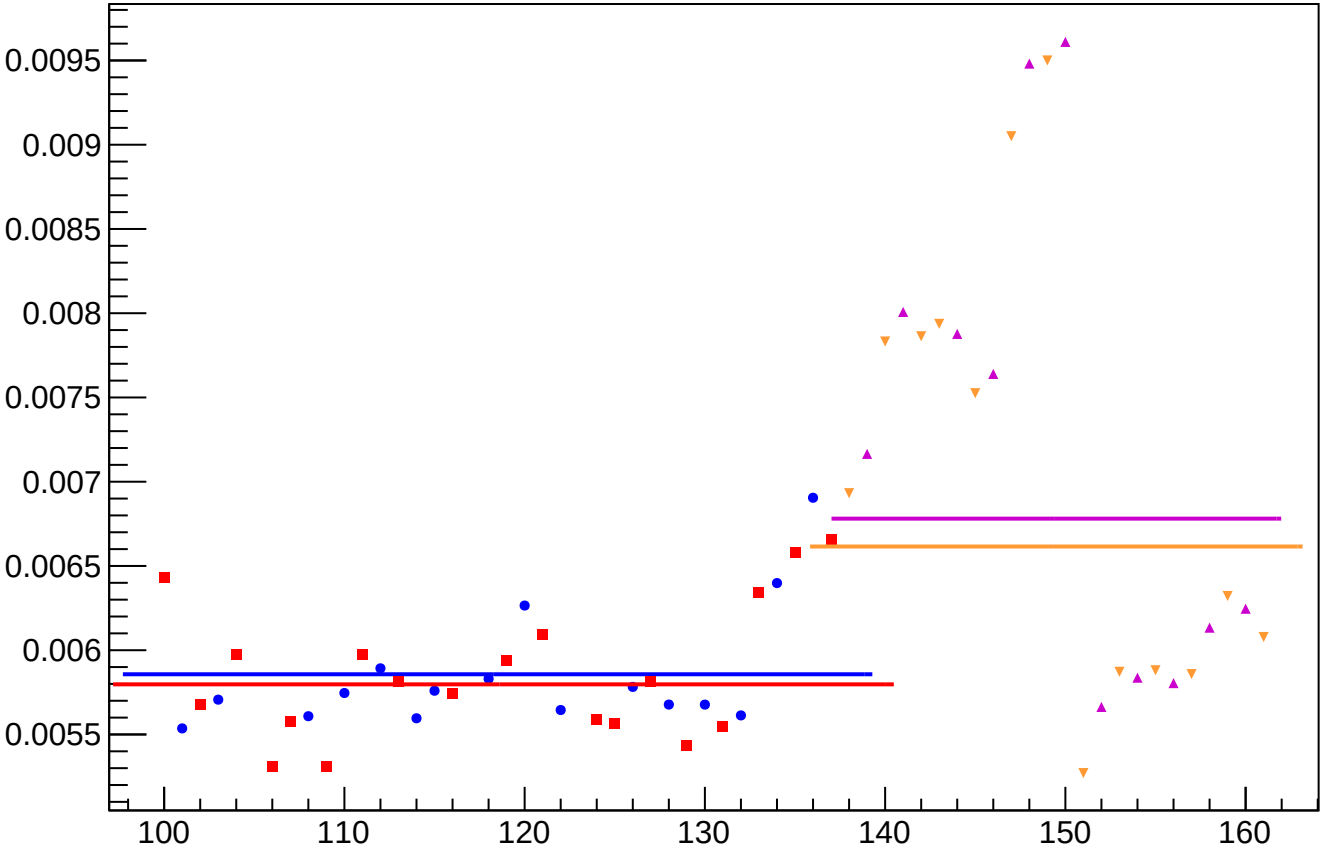
+ sign 0.007+/-0.000 χ^2/NDF: 1440848.1/28

All: 0.007+/-0.000 χ^2/NDF: 3161835.1/58

- sign 0.007+/-0.000 χ^2/NDF: 1719758.6/29


yield_bpm2i02Y_mean vs Slug
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
100
110
120
130
140
150
160
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.149+/-0.000 χ²/NDF:14724333553.3/12
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.199+/-0.000 χ²/NDF:13965110700.8/10
+ sign -2.144+/-0.000 χ²/NDF: 80405567689.3/28
All: -2.163+/-0.000 χ²/NDF: 152201816370.6
- sign -2.183+/-0.000 χ²/NDF: 71464672281.3/29

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:612569.1/12

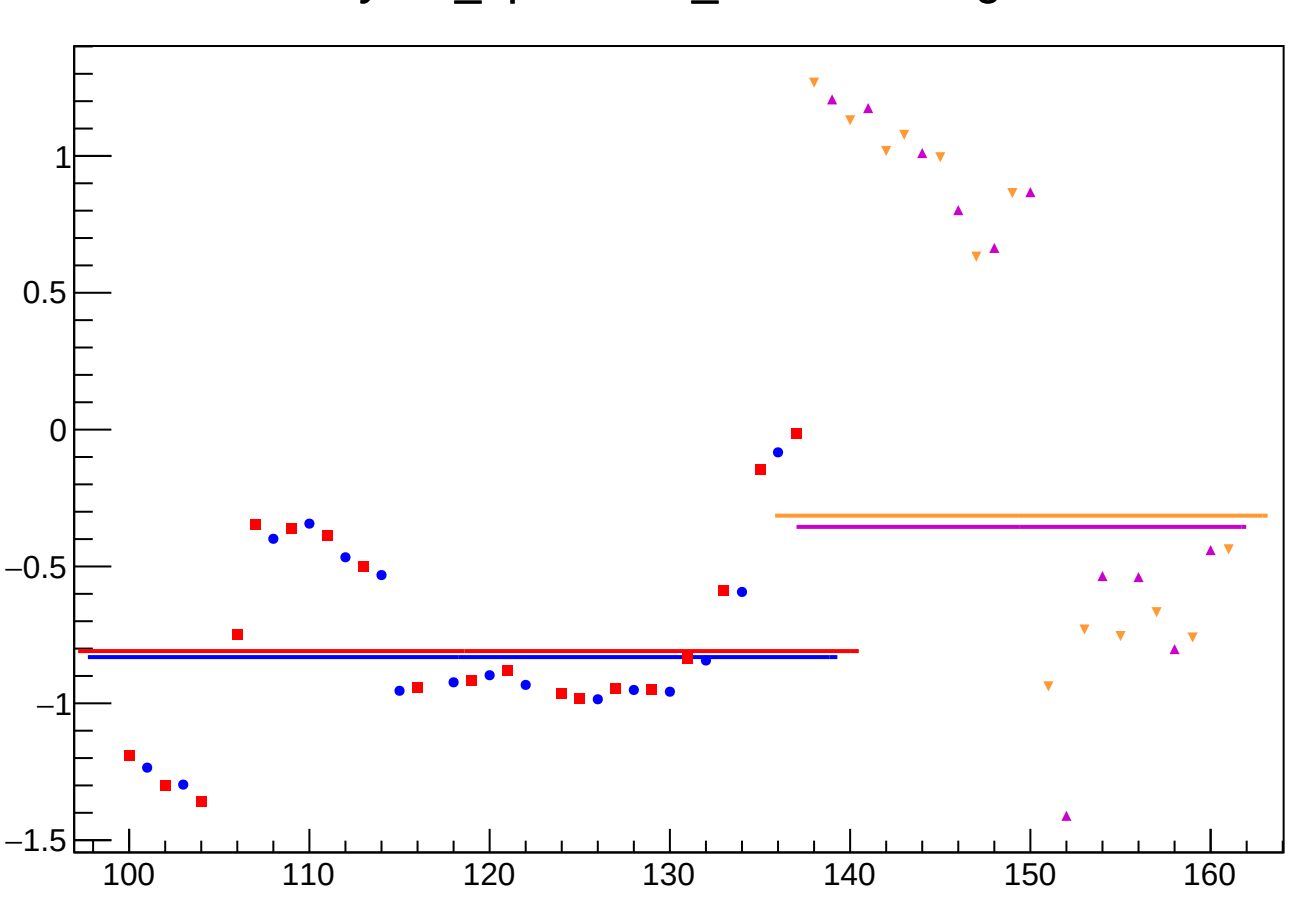
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:584972.3/10

+ sign 0.006+/-0.000 χ^2/NDF: 800210.3/28

All: 0.006+/-0.000 χ^2/NDF: 1645432.0/58

- sign 0.006+/-0.000 χ^2/NDF: 845162.4/29



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.314+/-0.000 χ^2/NDF:76703859655.7/12

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

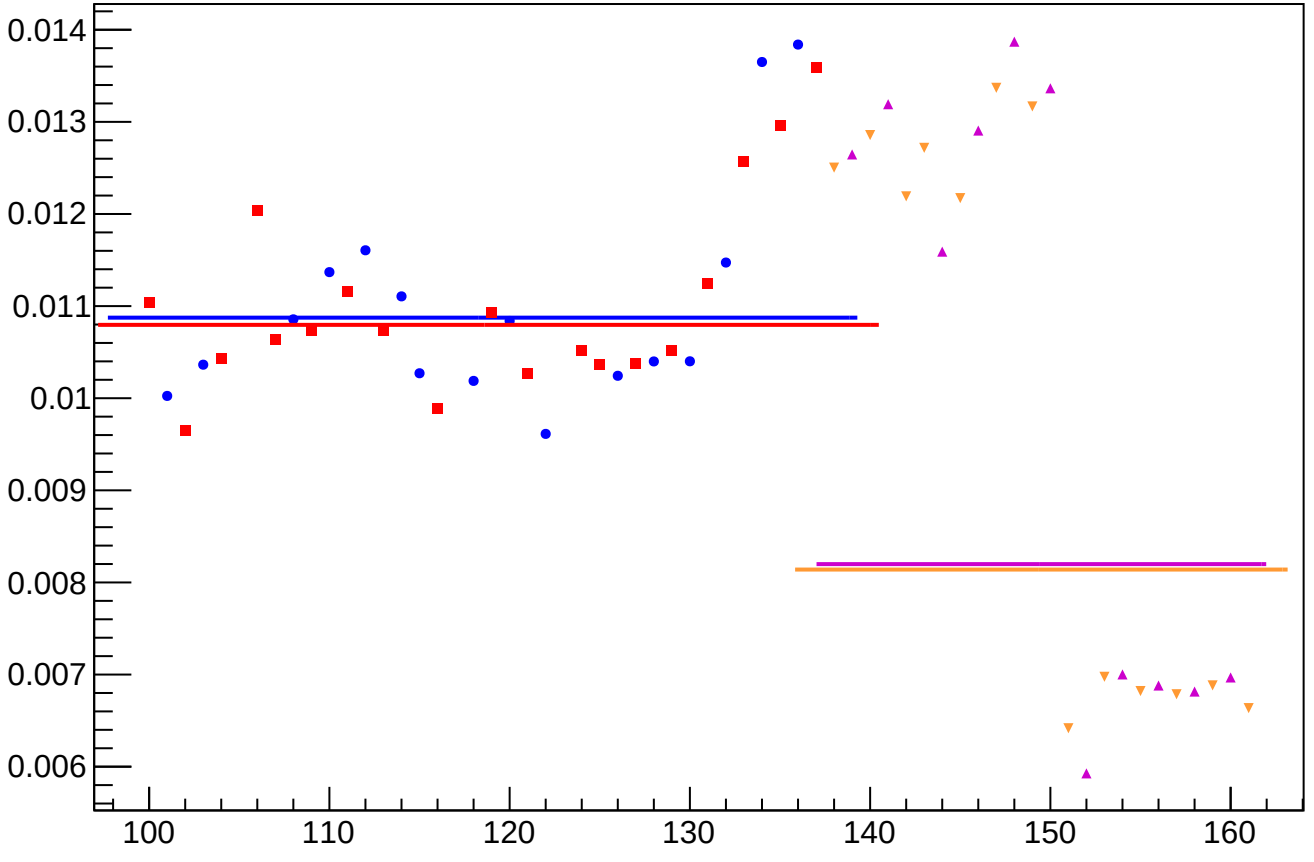
Left In: -0.355+/-0.000 χ^2/NDF:86947460231.4/10

+ sign -0.469+/-0.000 χ^2/NDF: 94935017640.0/28

All: -0.487+/-0.000 χ^2/NDF: 198692457411.8

- sign -0.506+/-0.000 χ^2/NDF: 103631363171.9/29

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:1789355.7/12

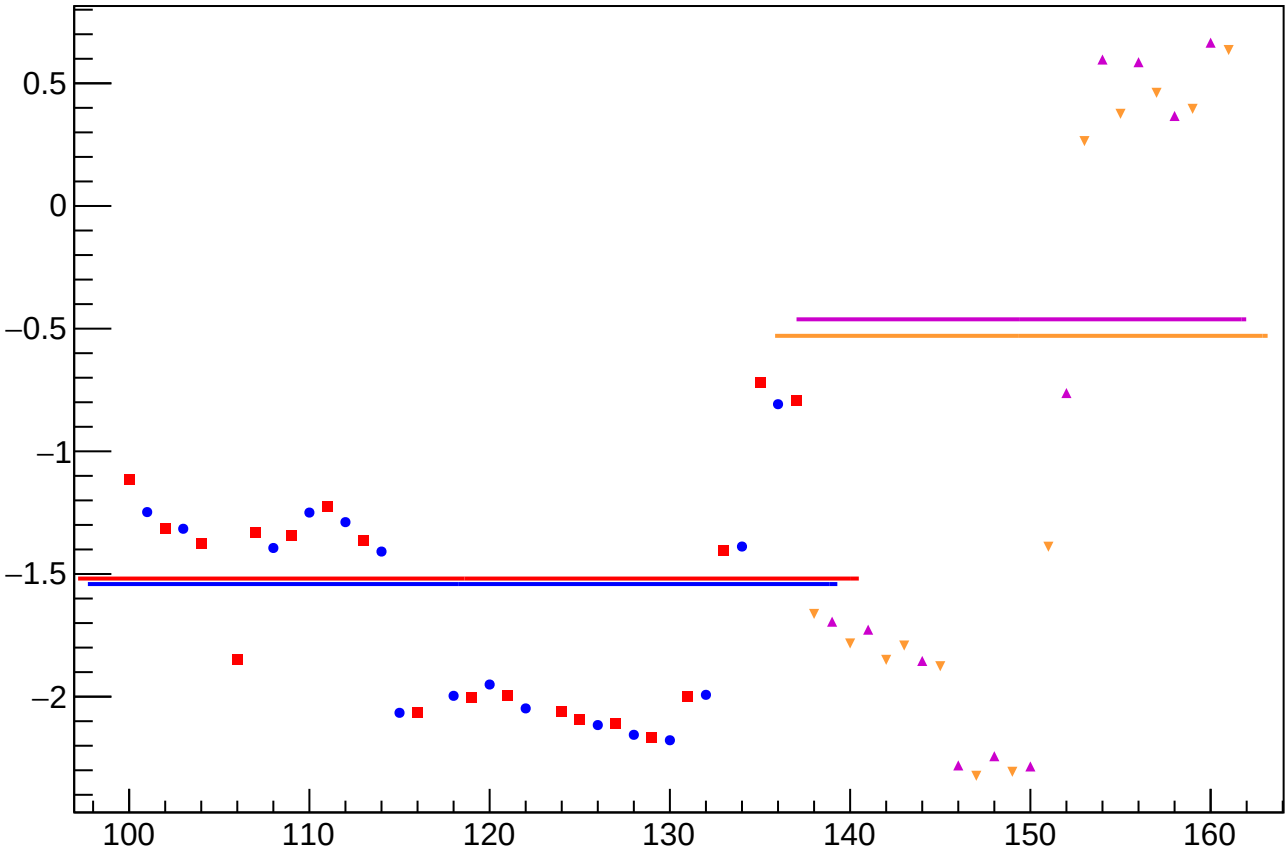
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1848277.8/10

+ sign 0.009+/-0.000 χ^2/NDF: 2569737.0/28

All: 0.009+/-0.000 χ^2/NDF: 5078495.3/58

- sign 0.009+/-0.000 χ^2/NDF: 2506890.6/29



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.529+/-0.000 χ^2/NDF:1497784808613.7/12

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

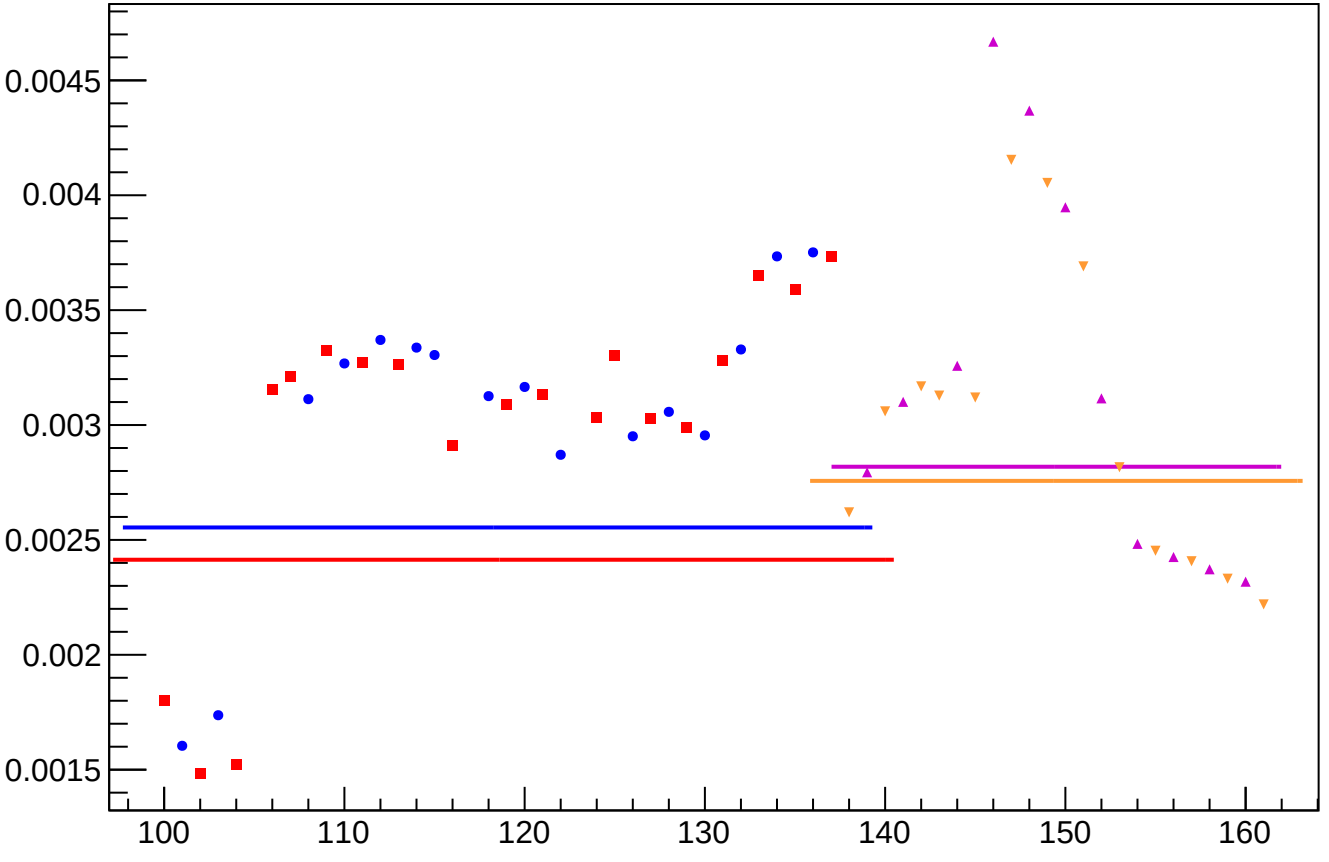
Left In: -0.462+/-0.000 χ^2/NDF:1378815359441.1/10

+ sign -0.978+/-0.000 χ^2/NDF: 2189074264646.6/2

All: -0.985+/-0.000 χ^2/NDF: 427939362763

- sign -0.992+/-0.000 χ^2/NDF: 2090131988587.6/2

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:630298.7/12

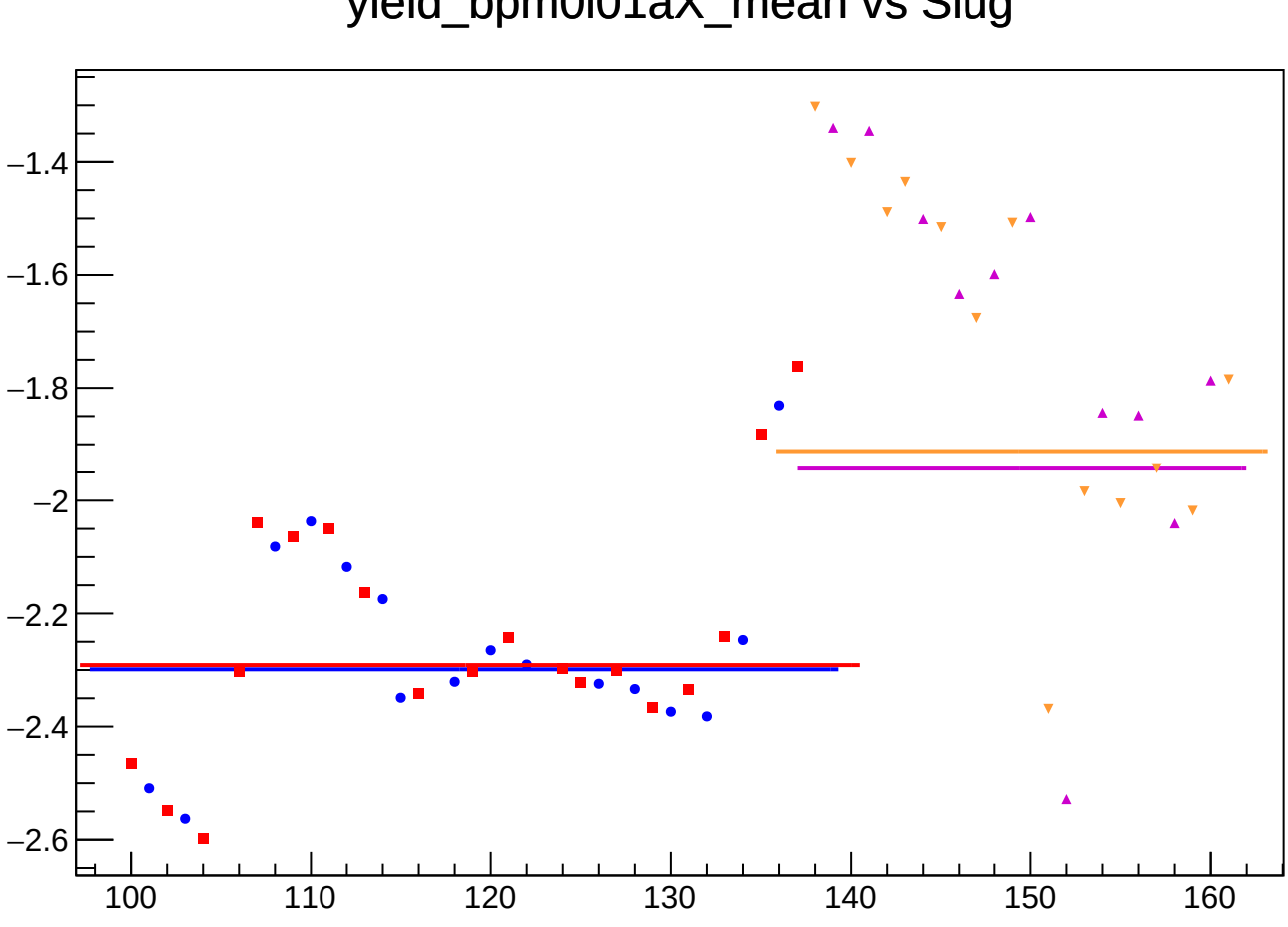
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:720771.4/10

+ sign 0.003+/-0.000 χ^2/NDF: 1845207.0/28

All: 0.003+/-0.000 χ^2/NDF: 4284456.7/58

- sign 0.003+/-0.000 χ^2/NDF: 2433803.6/29



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.912+/-0.000 χ^2/NDF:25843368358.1/12

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

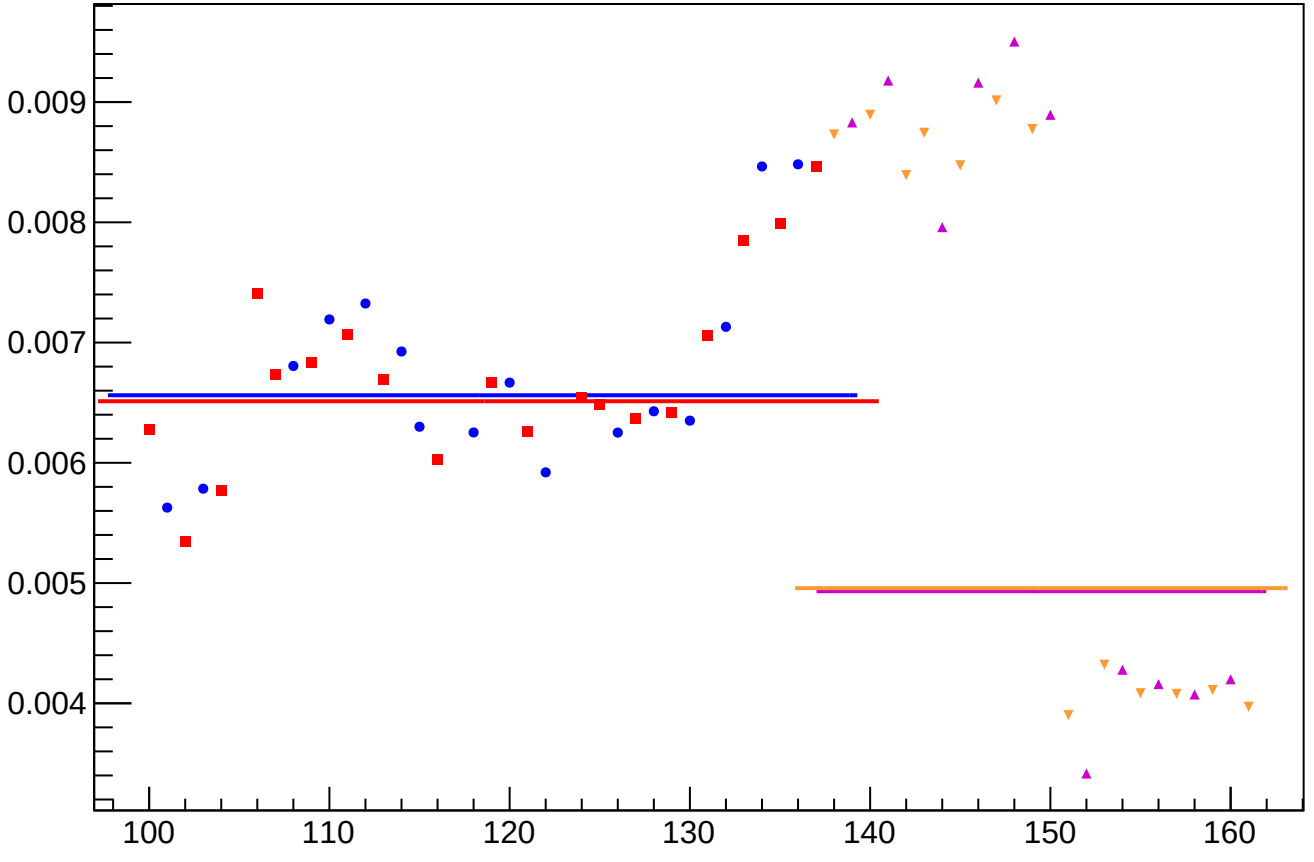
Left In: -1.943+/-0.000 χ^2/NDF:40734010346.8/10

+ sign -2.033+/-0.000 χ^2/NDF: 48518359121.1/28

All: -2.047+/-0.000 χ^2/NDF: 109690395257.9

- sign -2.062+/-0.000 χ^2/NDF: 60960722888.9/29

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:2384702.7/12

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

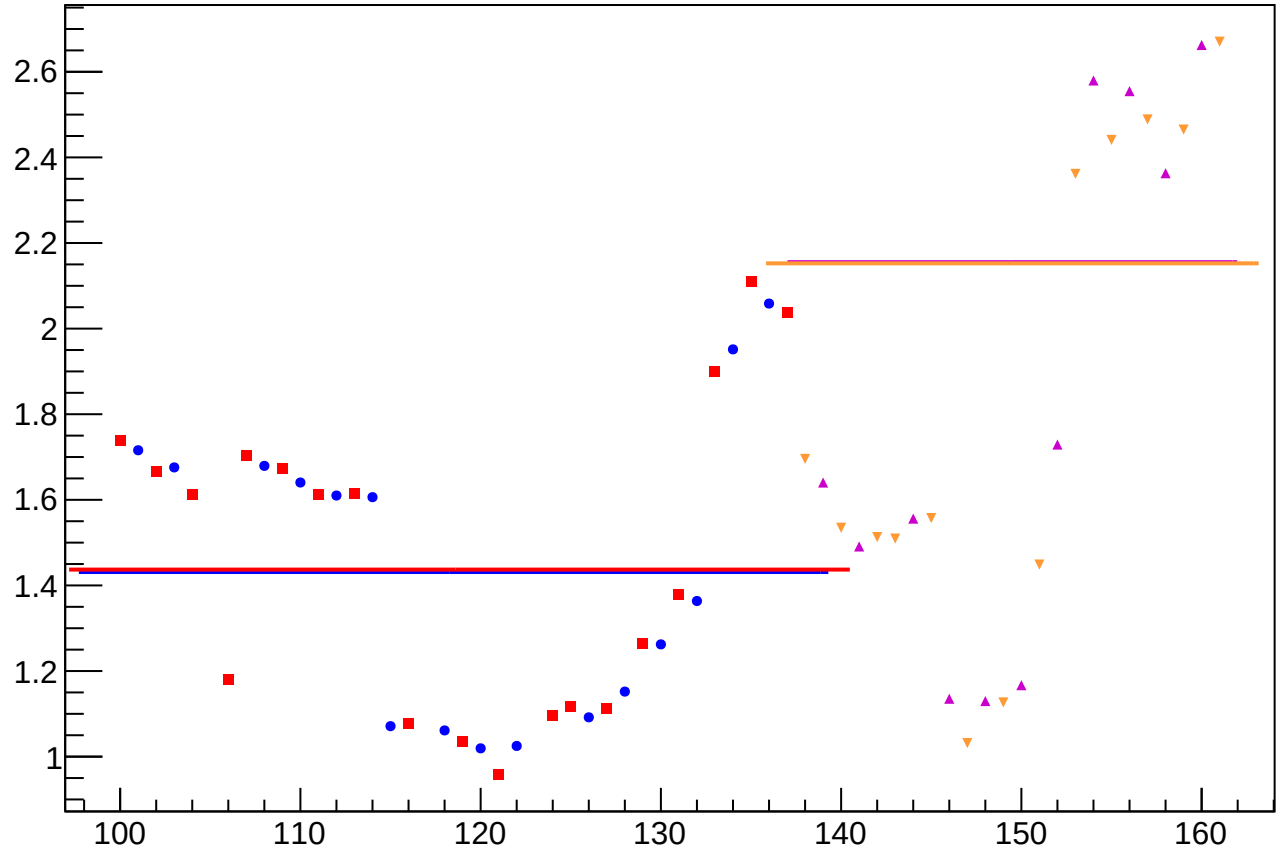
Left In: 0.005+/-0.000 χ^2/NDF:2533818.9/10

+ sign 0.005+/-0.000 χ^2/NDF: 3176094.9/28

All: 0.005+/-0.000 χ^2/NDF: 6446381.5/58

- sign 0.005+/-0.000 χ^2/NDF: 3270212.2/29

yield_bpm0i01aY_mean vs Slug



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.152+/-0.000 χ^2/NDF:160304758805.0/12

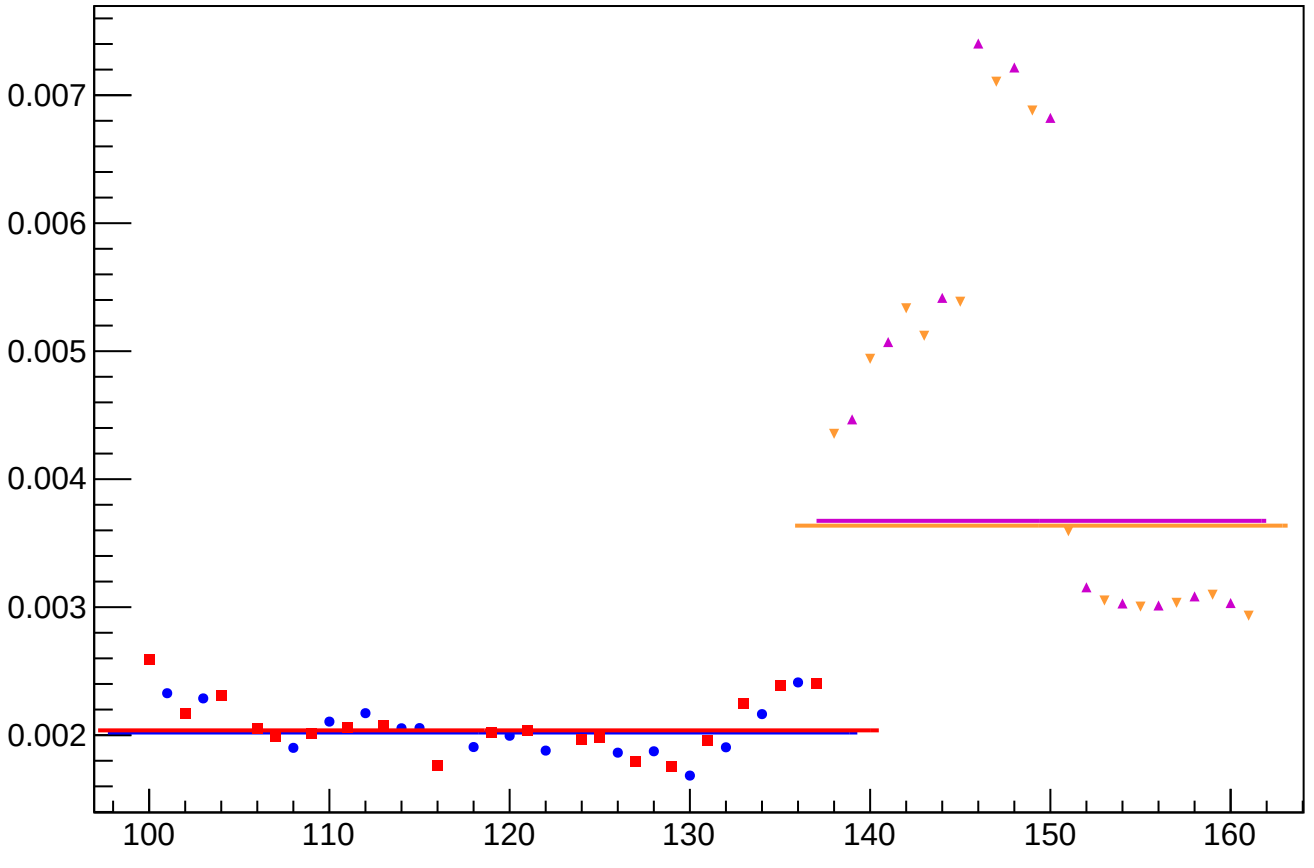
Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.155+/-0.000 χ^2/NDF:150653309231.2/10

+ sign 1.641+/-0.000 χ^2/NDF: 595244273870.2/28

All: 1.634+/-0.000 χ^2/NDF: 1151043902321.

- sign 1.627+/-0.000 χ^2/NDF: 555588140594.4/29



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:1464861.8/12

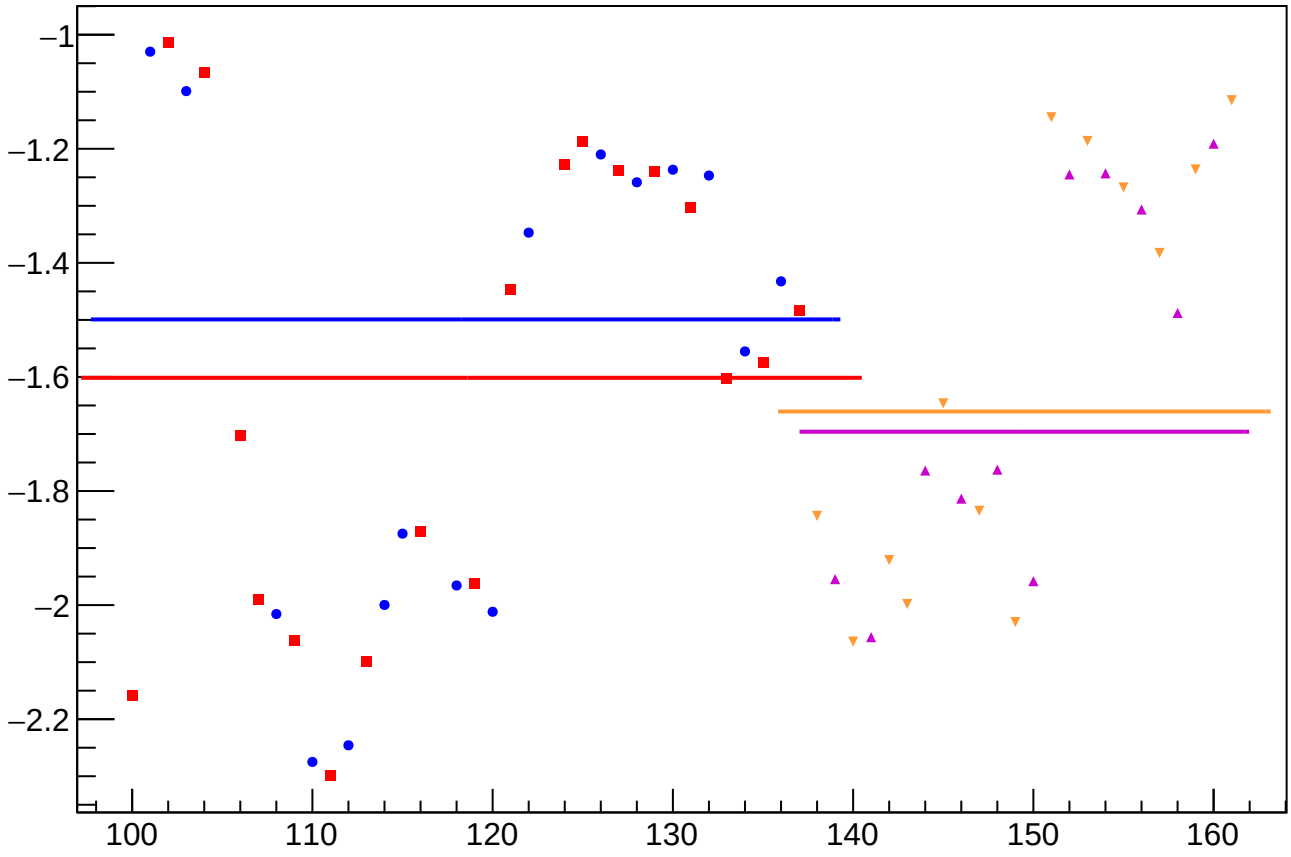
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.004+/-0.000 χ^2/NDF:1667295.6/10

+ sign 0.002+/-0.000 χ^2/NDF: 4089049.7/28

All: 0.002+/-0.000 χ^2/NDF: 8187033.1/58

- sign 0.002+/-0.000 χ^2/NDF: 4097140.4/29



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.661+/-0.000 χ^2/NDF:28947674294.6/12

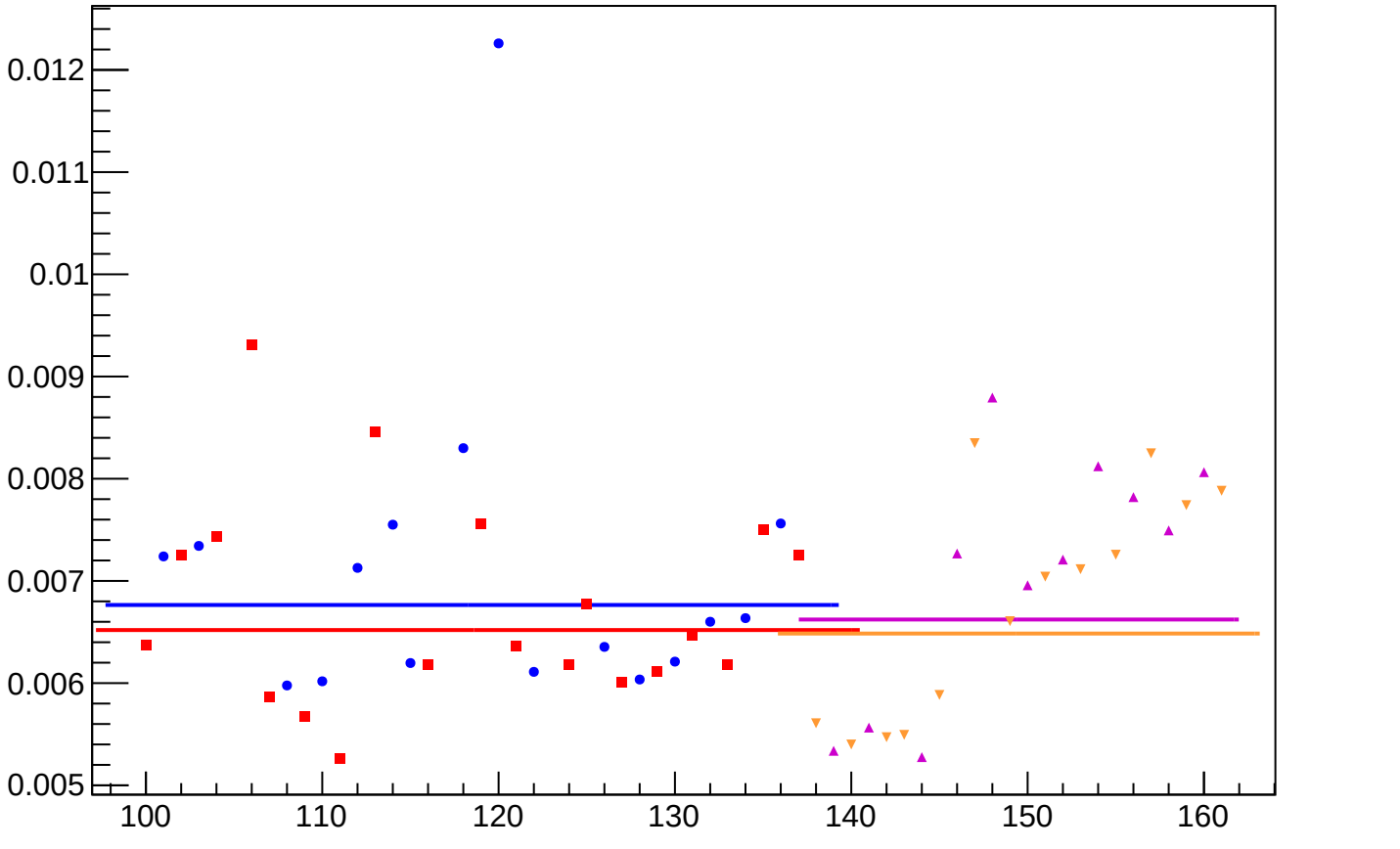
Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

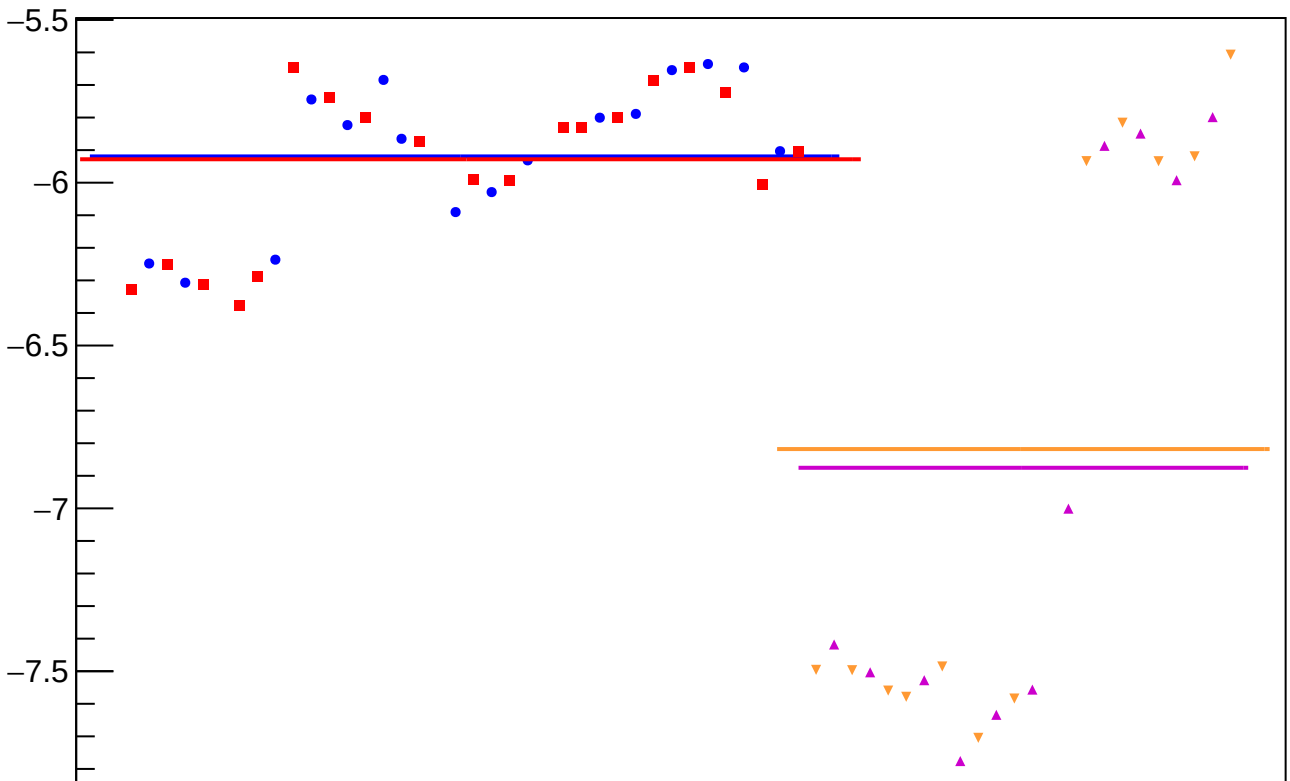
Left In: -1.696+/-0.000 χ^2/NDF:18326867043.2/10

+ sign -1.598+/-0.000 χ^2/NDF: 54147291339.6/28

All: -1.625+/-0.000 χ^2/NDF: 102139310722.1

- sign -1.653+/-0.000 χ^2/NDF: 47445581309.4/29


yield_bpm0l01X_rms vs Slug
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
100
110
120
130
140
150
160
Right In: 0.007+/-0.000 χ²/NDF: 238566.1/15
Left Out: 0.006+/-0.000 χ²/NDF:472716.5/12
Right Out: 0.007+/-0.000 χ²/NDF: 245428.1/18
Left In: 0.007+/-0.000 χ²/NDF:549960.9/10
+ sign 0.007+/-0.000 χ²/NDF: 724877.3/28
All: 0.007+/-0.000 χ²/NDF: 1522259.3/58
- sign 0.007+/-0.000 χ²/NDF: 797274.0/29



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.818+/-0.000 χ^2/NDF:69516351342.6/12

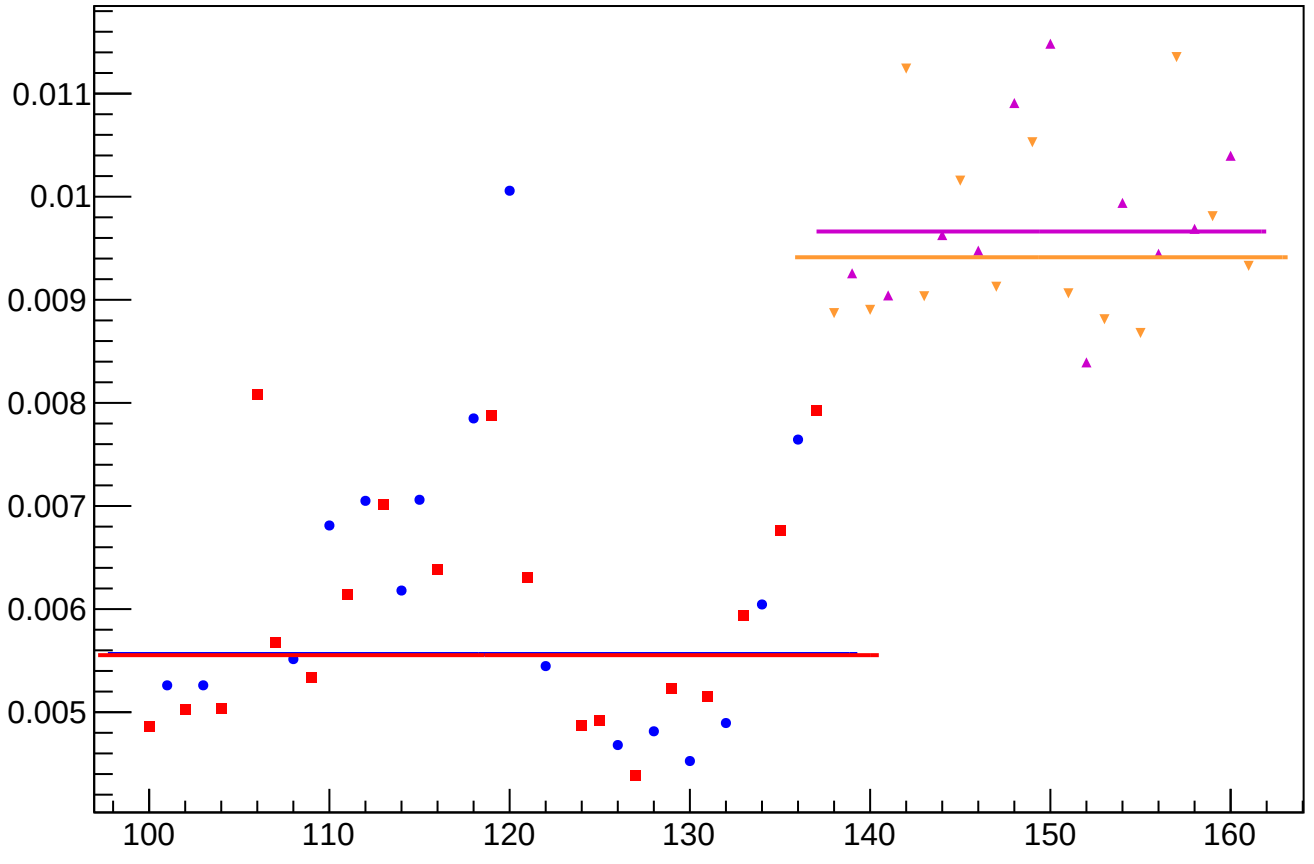
Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.875+/-0.000 χ^2/NDF:47471545549.6/10

+ sign -6.195+/-0.000 χ^2/NDF: 130395325772.6/28

All: -6.189+/-0.000 χ^2/NDF: 241239686481.9

- sign -6.182+/-0.000 χ^2/NDF: 110819486766.7/29



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:106549.2/12

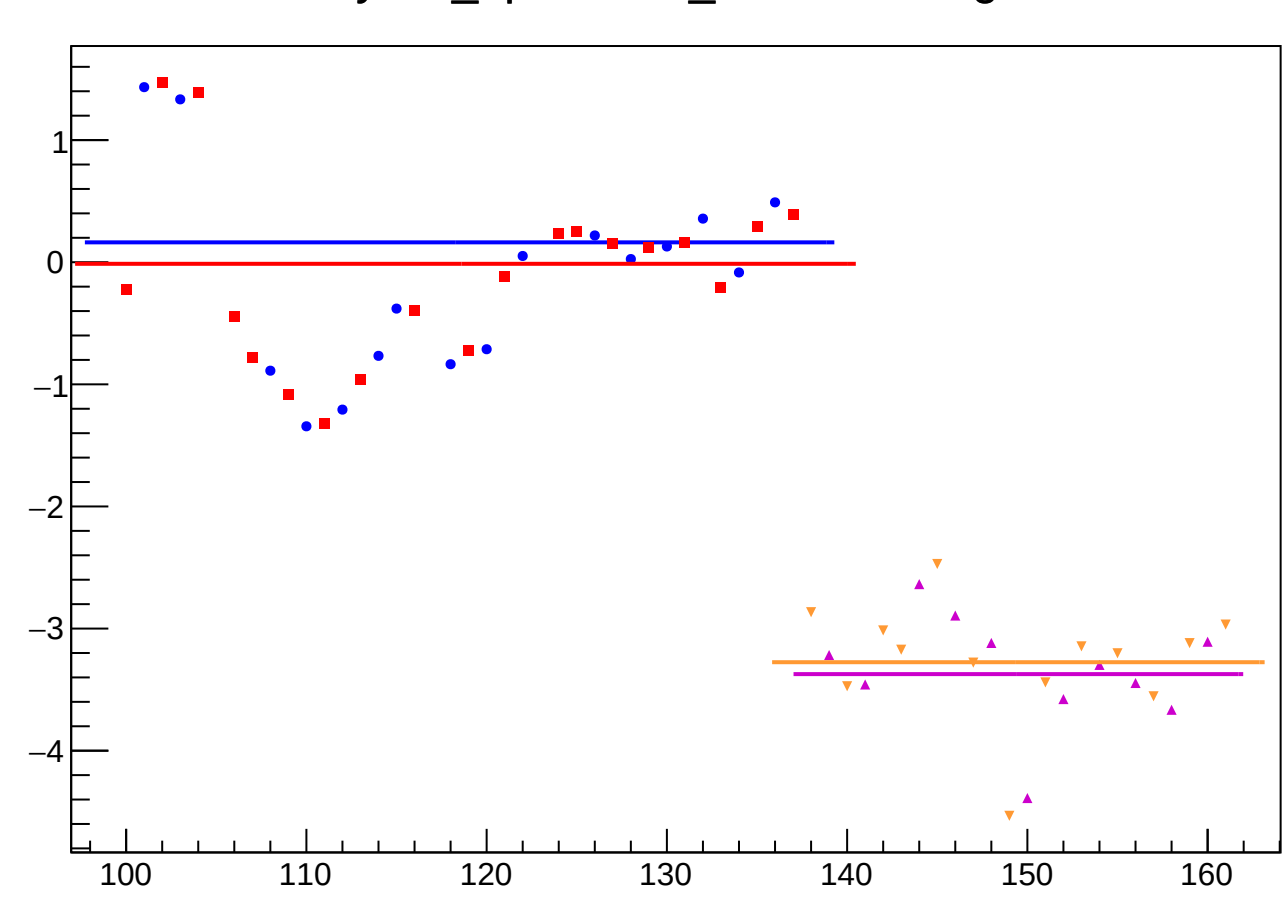
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:99383.7/10

+ sign 0.007+/-0.000 χ^2/NDF: 2404901.7/28

All: 0.007+/-0.000 χ^2/NDF: 4779713.8/58

- sign 0.007+/-0.000 χ^2/NDF: 2372441.2/29



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.275+/-0.000 χ^2/NDF:6905611069.5/12

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

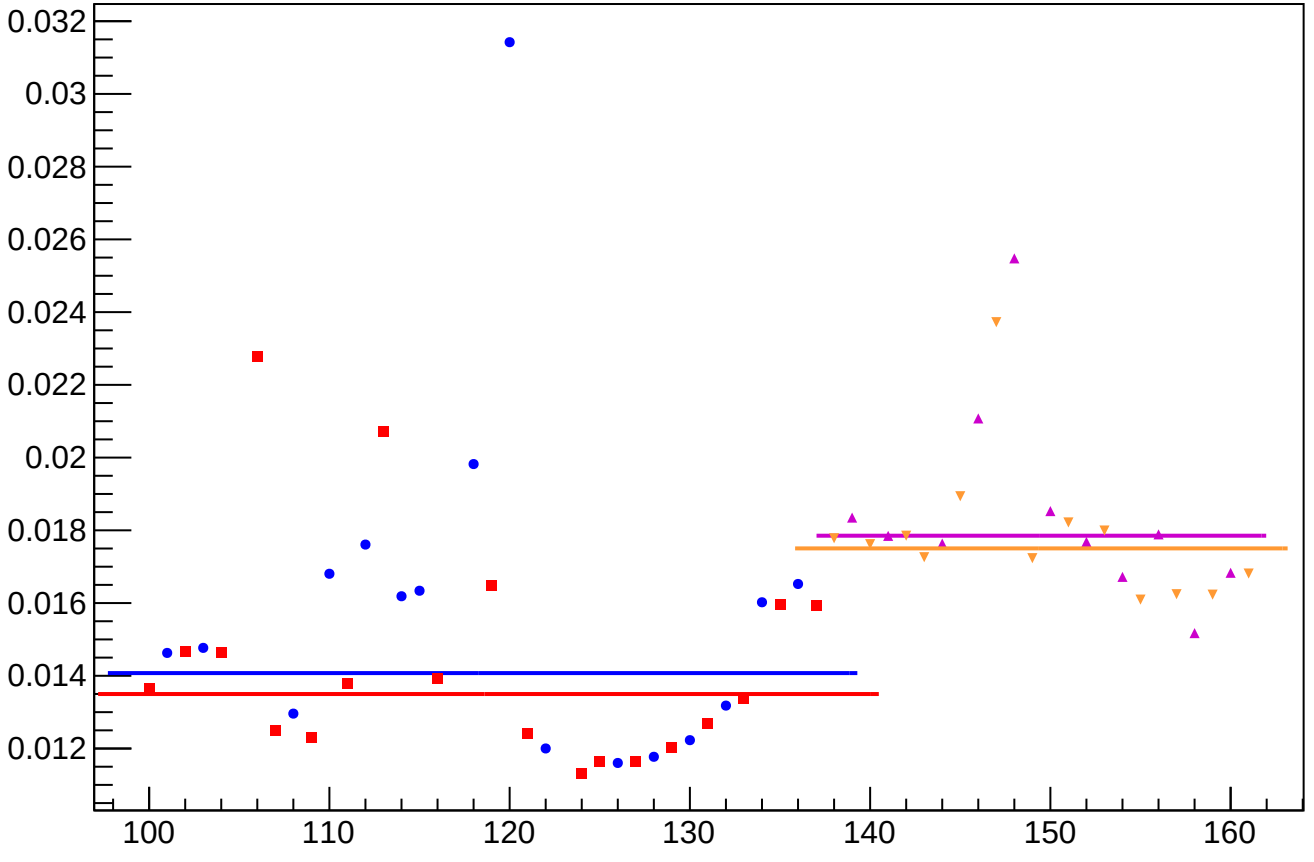
Left In: -3.373+/-0.000 χ^2/NDF:5229796555.8/10

+ sign -1.556+/-0.000 χ^2/NDF: 212985586029.5/28

All: -1.505+/-0.000 χ^2/NDF: 421163031293.6

- sign -1.455+/-0.000 χ^2/NDF: 207846534370.8/29

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:151622.7/12

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

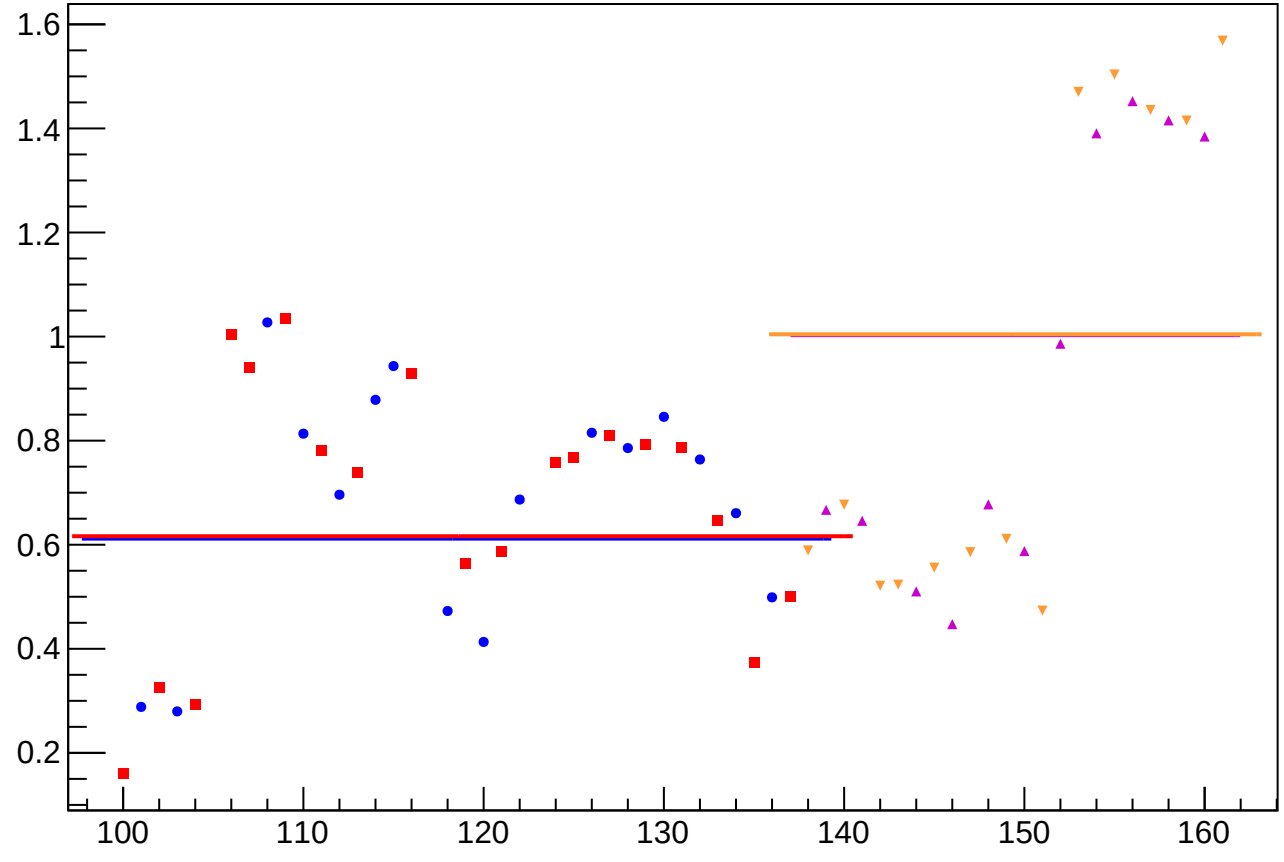
Left In: 0.018+/-0.000 χ^2/NDF:243006.4/10

+ sign 0.016+/-0.000 χ^2/NDF: 991287.7/28

All: 0.016+/-0.000 χ^2/NDF: 2165434.4/58

- sign 0.015+/-0.000 χ^2/NDF: 1162695.0/29

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.004+/-0.000 χ^2/NDF:28521362771.0/12

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

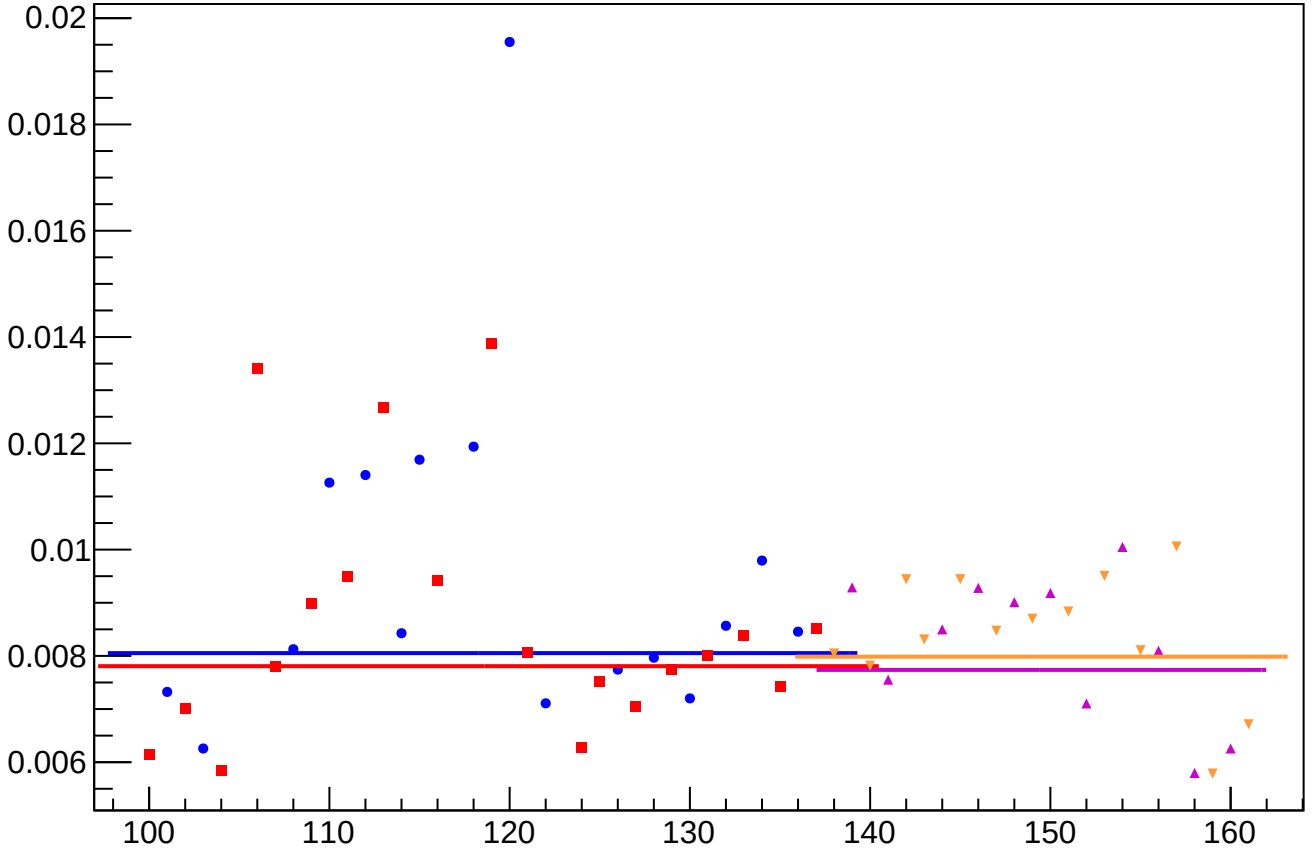
Left In: 1.003+/-0.000 χ^2/NDF:20748615888.3/10

+ sign 0.845+/-0.000 χ^2/NDF: 42807187541.9/28

All: 0.840+/-0.000 χ^2/NDF: 78859583794.4/5

- sign 0.835+/-0.000 χ^2/NDF: 36039729215.3/29

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:456896.7/12

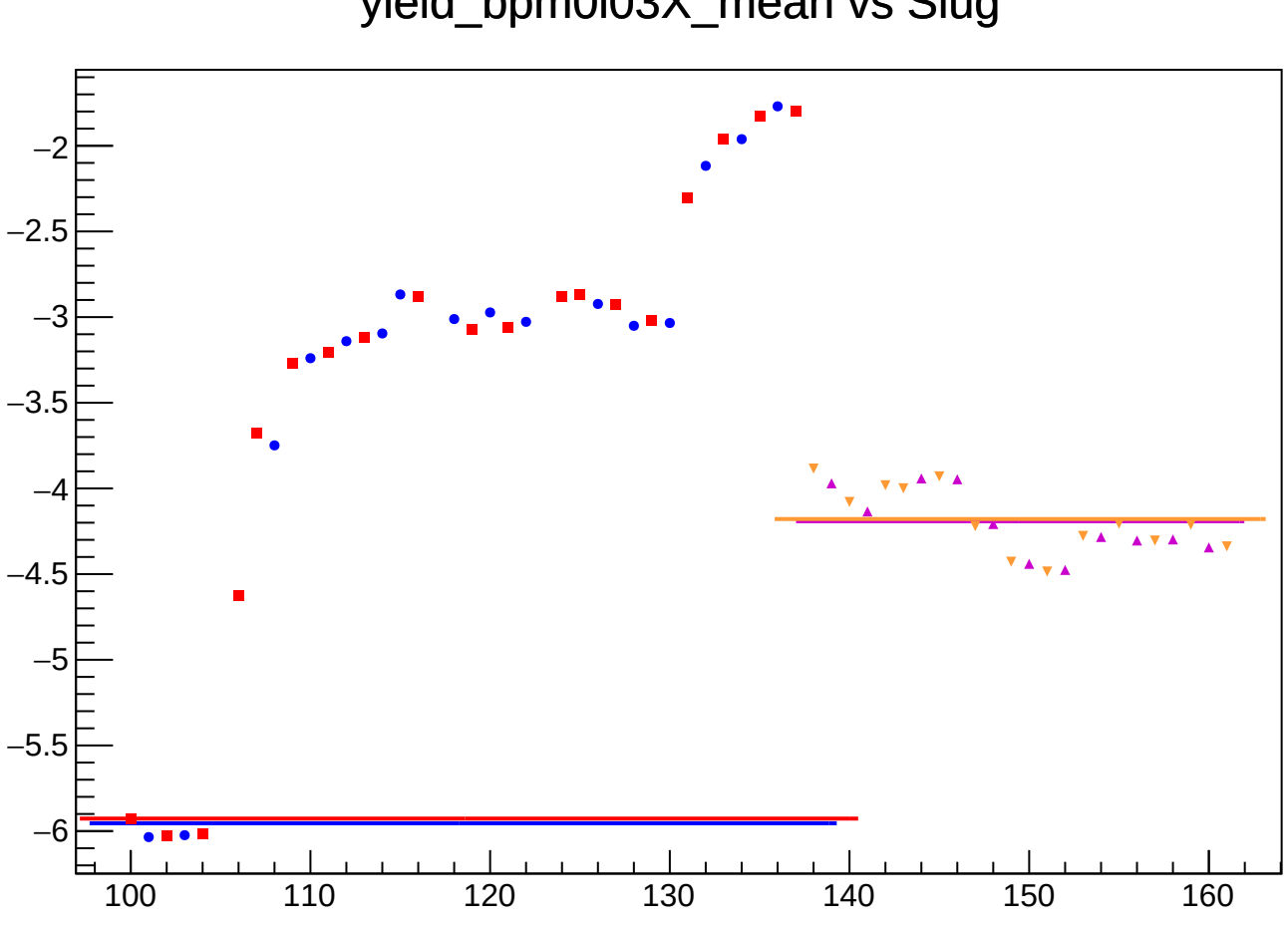
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:524962.9/10

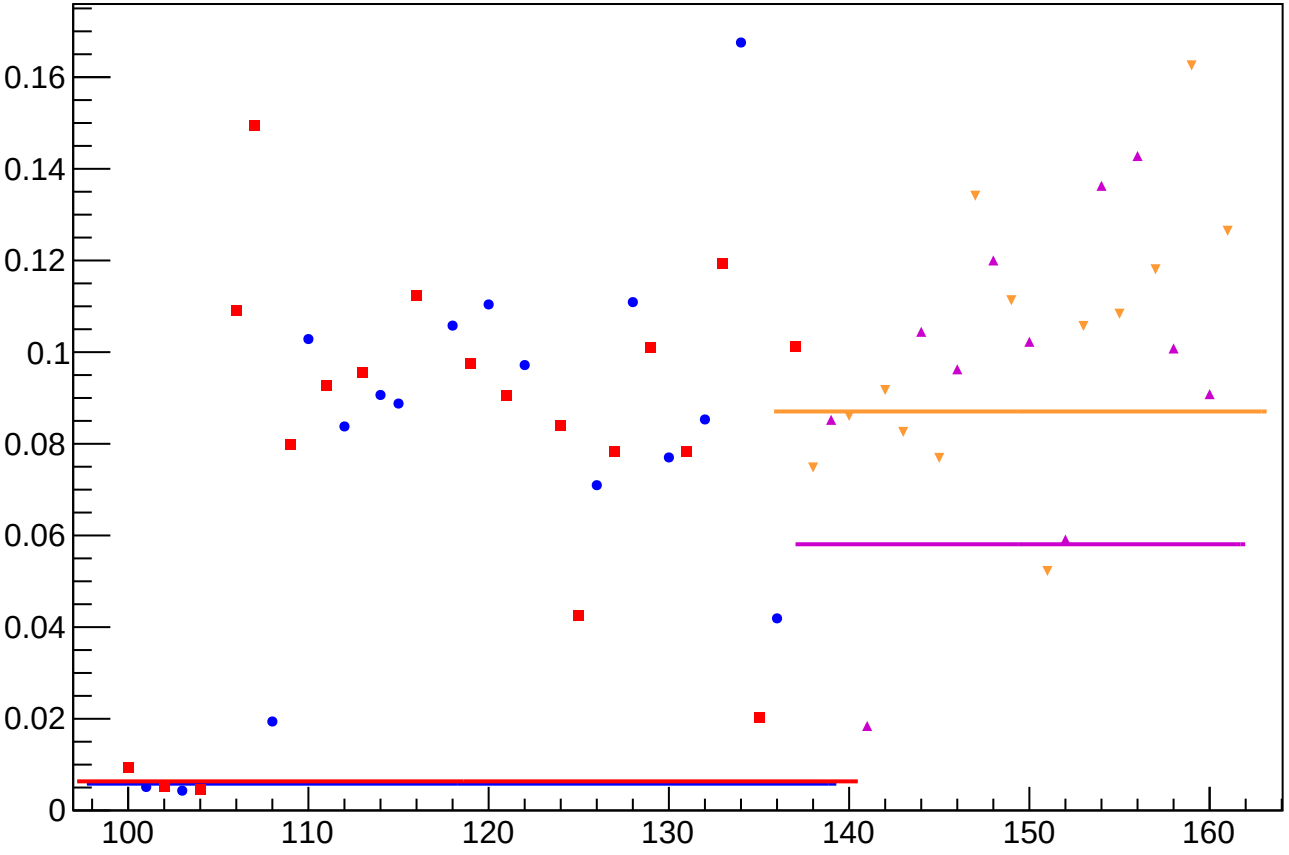
+ sign 0.008+/-0.000 χ^2/NDF: 1055710.9/28

All: 0.008+/-0.000 χ^2/NDF: 2182708.6/58

- sign 0.008+/-0.000 χ^2/NDF: 1112709.9/29


yield_bpm0l03X_mean vs Slug
−2
−2.5
−3
−3.5
−4
−4.5
−5
−5.5
−6
100
110
120
130
140
150
160
Right In: -5.954+/-0.000 χ²/NDF: 13099475661.5/15
Left Out: -4.179+/-0.000 χ²/NDF:52367497.4/12
Right Out: -5.927+/-0.000 χ²/NDF: 13922819741.5/18
Left In: -4.192+/-0.000 χ²/NDF:39232400.0/10
+ sign -5.918+/-0.000 χ²/NDF: 16468354188.2/28
All: -5.896+/-0.000 χ²/NDF: 34731604655.5/
- sign -5.869+/-0.000 χ²/NDF: 18206481720.0/29

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.087+/-0.000 χ^2/NDF:1475535.5/12

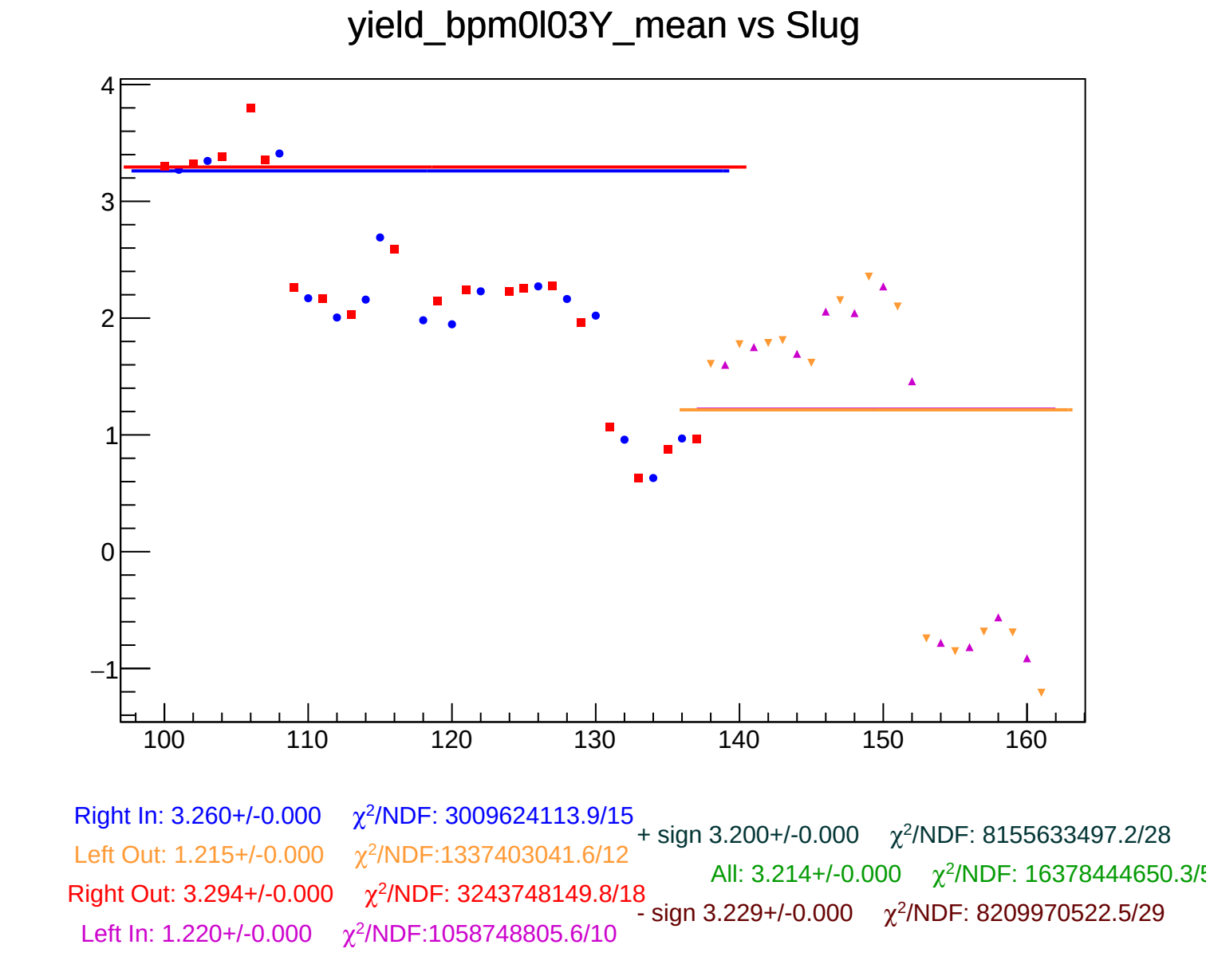
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.058+/-0.000 χ^2/NDF:4899961.6/10

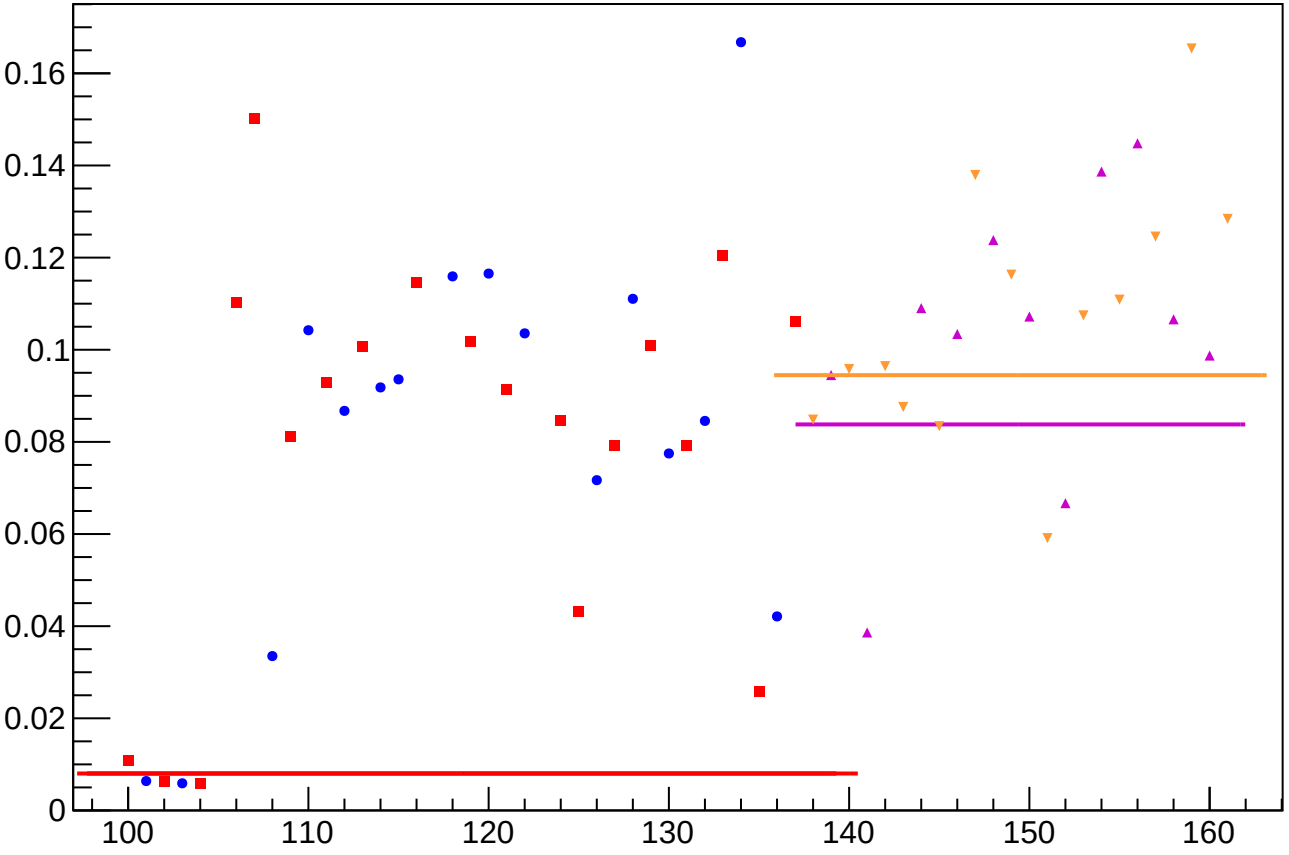
+ sign 0.008+/-0.000 χ^2/NDF: 24052422.8/28

All: 0.008+/-0.000 χ^2/NDF: 45264350.6/58

- sign 0.008+/-0.000 χ^2/NDF: 21196559.7/29


yield_bpm0l03Y_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 3.260+/-0.000 χ²/NDF: 3009624113.9/15
Left Out: 1.215+/-0.000 χ²/NDF:1337403041.6/12
Right Out: 3.294+/-0.000 χ²/NDF: 3243748149.8/18
Left In: 1.220+/-0.000 χ²/NDF:1058748805.6/10
+ sign 3.200+/-0.000 χ²/NDF: 8155633497.2/28
All: 3.214+/-0.000 χ²/NDF: 16378444650.3/5
- sign 3.229+/-0.000 χ²/NDF: 8209970522.5/29

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.094+/-0.000 χ^2/NDF:1180225.1/12

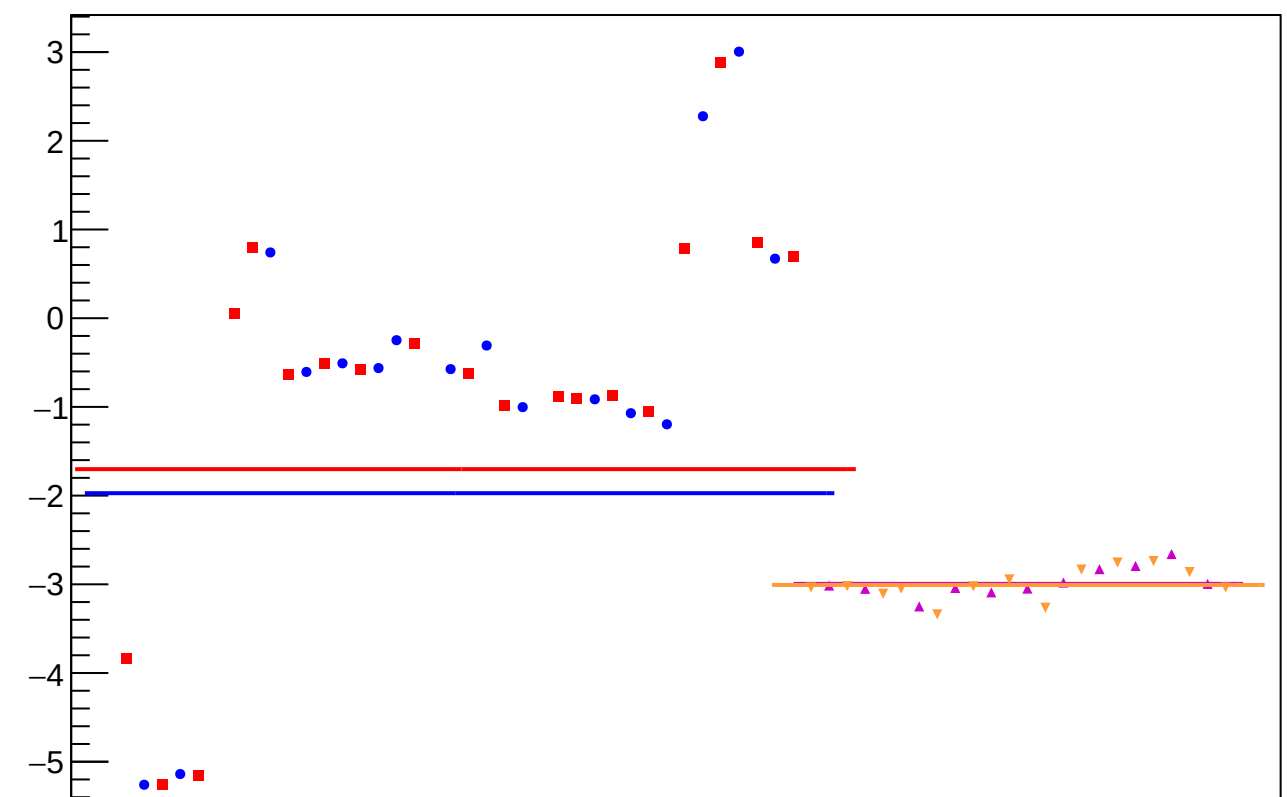
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.084+/-0.000 χ^2/NDF:2076099.9/10

+ sign 0.011+/-0.000 χ^2/NDF: 23204071.1/28

All: 0.010+/-0.000 χ^2/NDF: 44259334.0/58

- sign 0.010+/-0.000 χ^2/NDF: 21054186.7/29



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.007+/-0.000 χ^2/NDF:4198460610.9/12

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

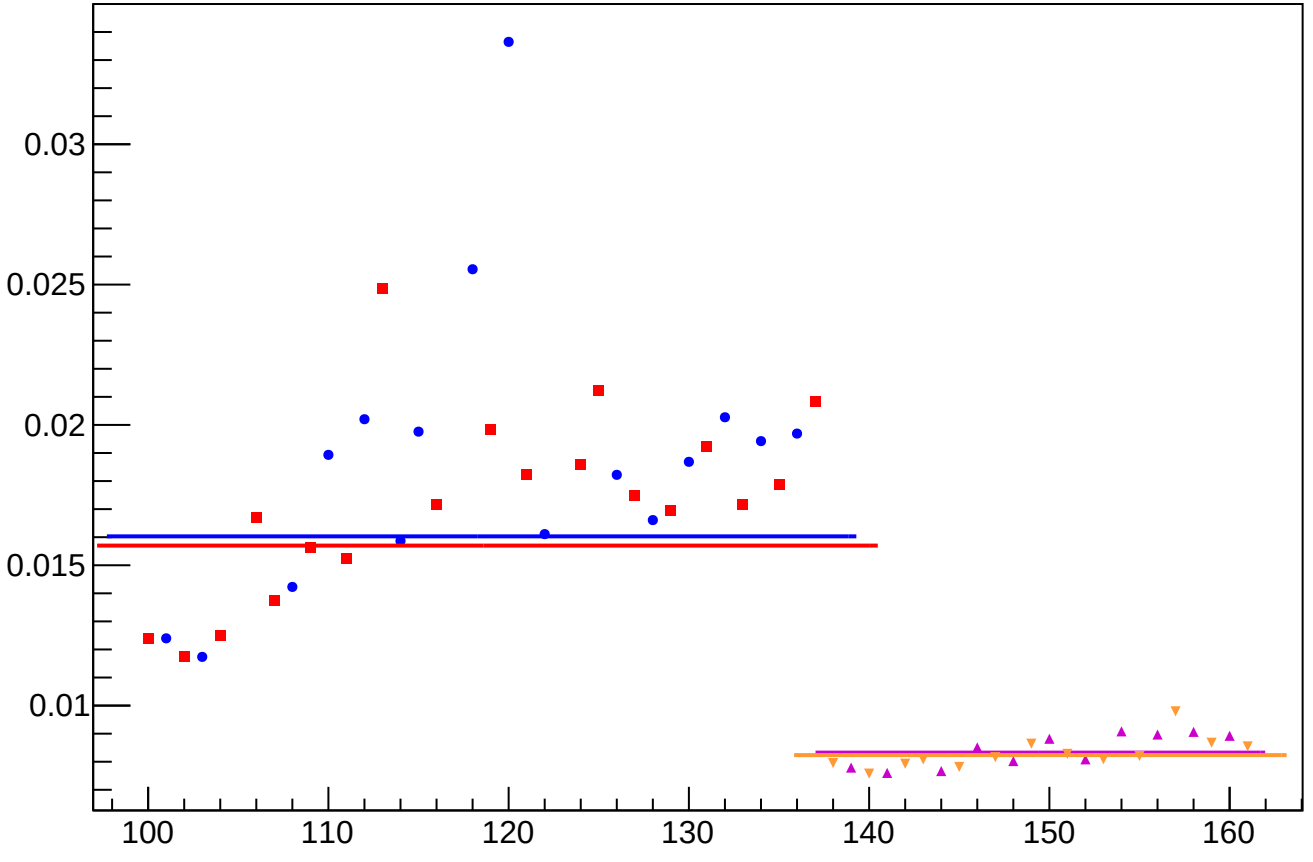
Left In: -2.995+/-0.000 χ^2/NDF:2976975394.0/10

+ sign -2.866+/-0.000 χ^2/NDF: 187117361873.6/28

All: -2.825+/-0.000 χ^2/NDF: 394896692968.2

- sign -2.781+/-0.000 χ^2/NDF: 207186171480.4/29

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:69356.8/12

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

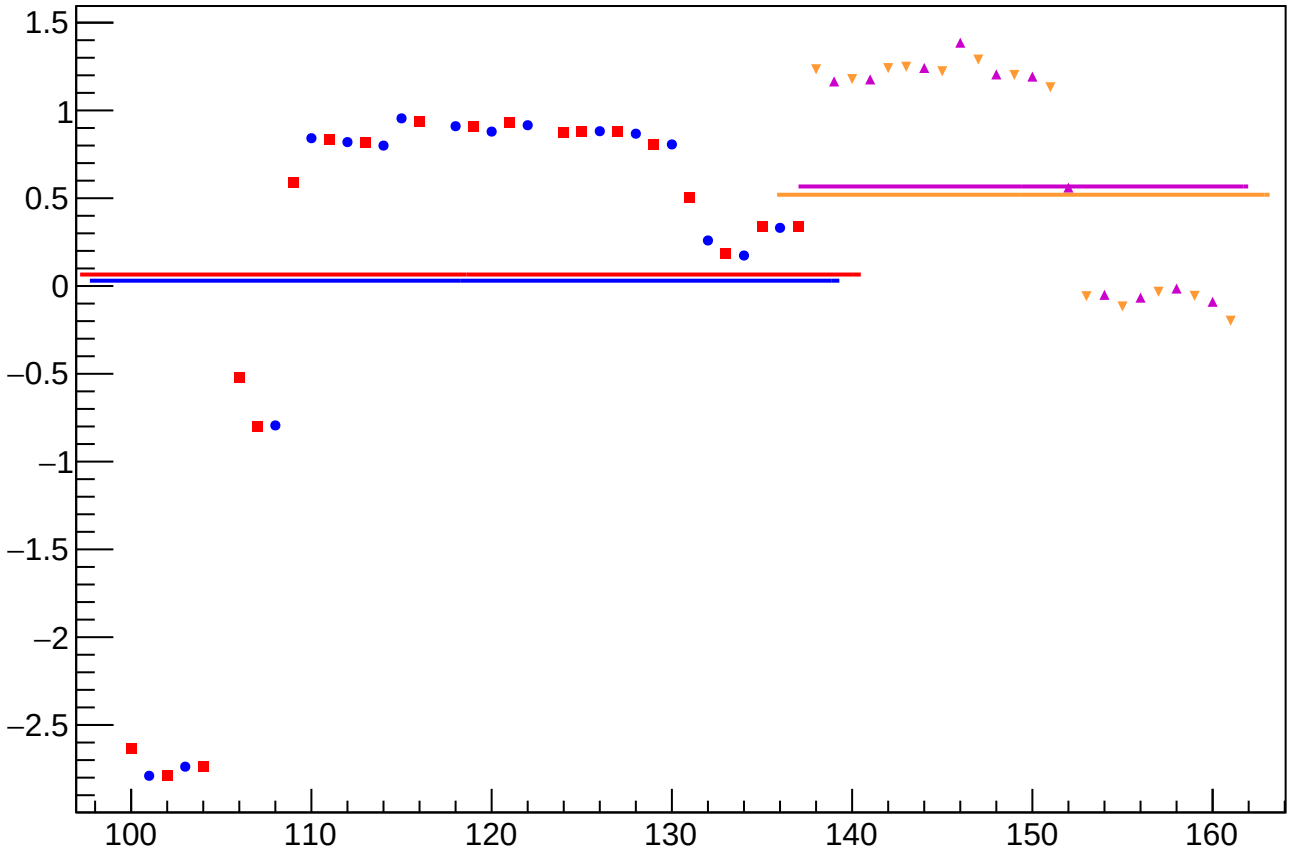
Left In: 0.008+/-0.000 χ^2/NDF:83162.1/10

+ sign 0.009+/-0.000 χ^2/NDF: 3182775.7/28

All: 0.009+/-0.000 χ^2/NDF: 6125379.5/58

- sign 0.010+/-0.000 χ^2/NDF: 2932375.3/29

yield_bpm0l04Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.520+/-0.000 χ^2/NDF:73783069738.1/12

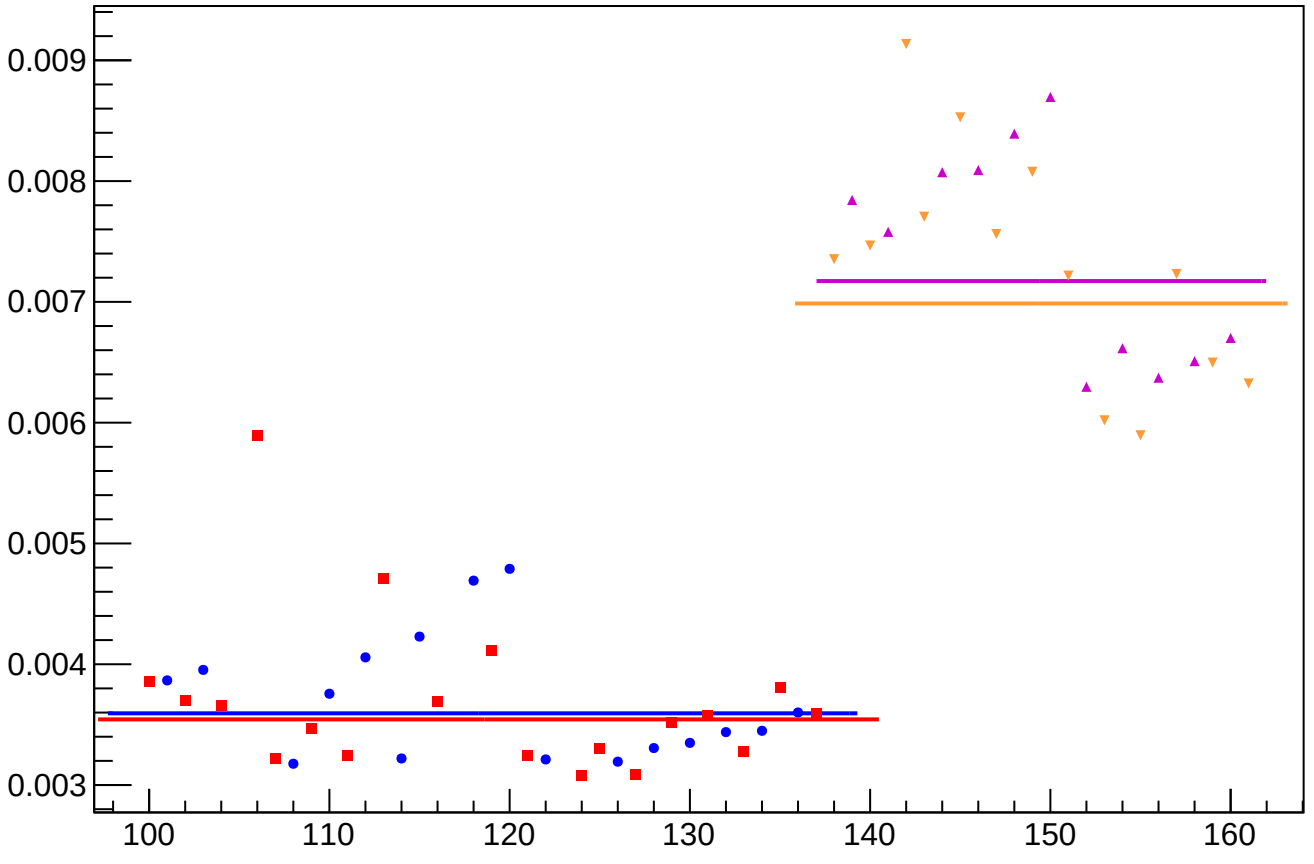
Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.567+/-0.000 χ^2/NDF:54793573326.6/10

+ sign 0.151+/-0.000 χ^2/NDF: 956347443155.8/28

All: 0.162+/-0.000 χ^2/NDF: 1976678609677.

- sign 0.172+/-0.000 χ^2/NDF: 1020183316021.9/29



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:248491.9/12

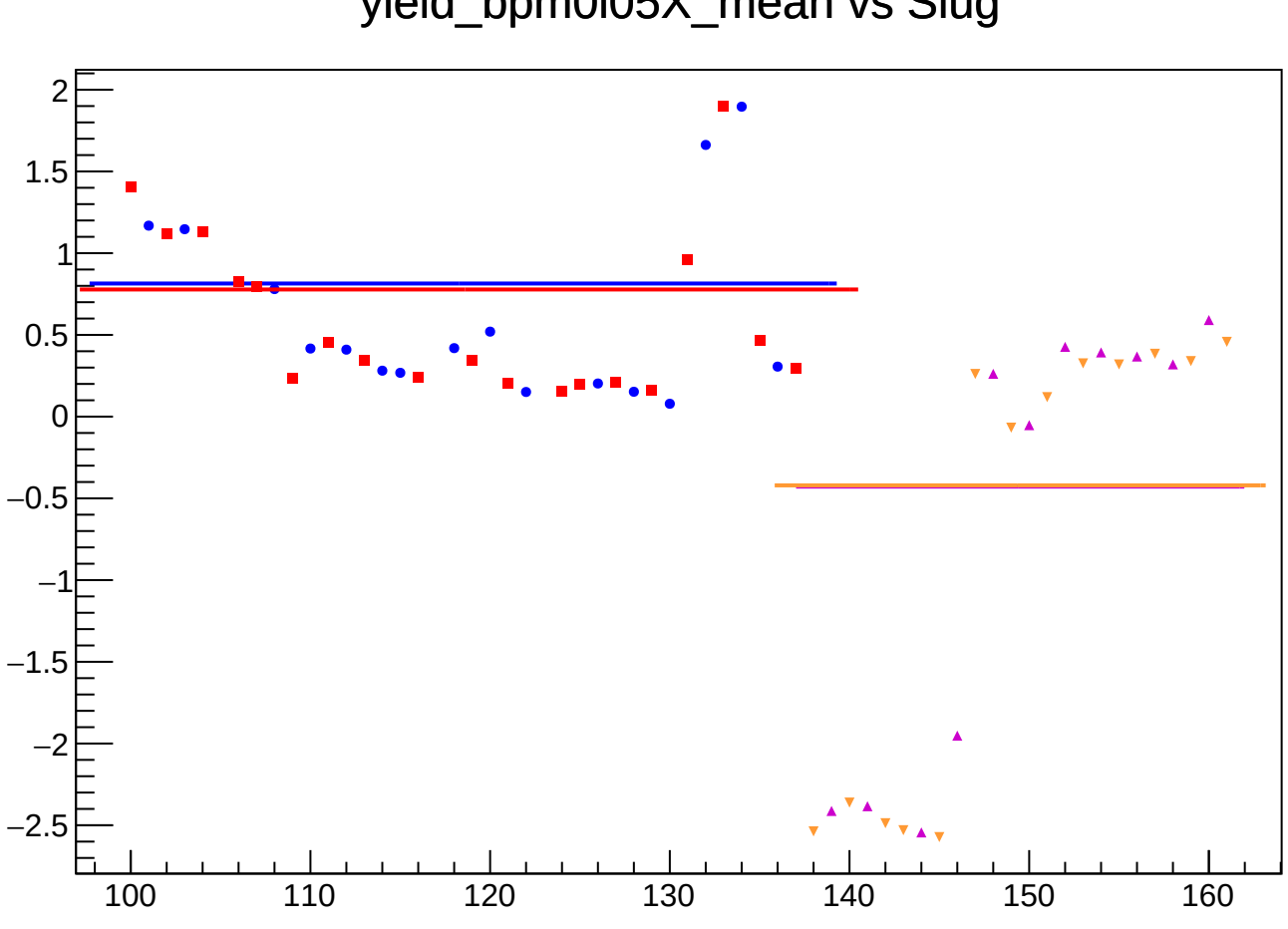
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:207581.5/10

+ sign 0.004+/-0.000 χ^2/NDF: 3396478.8/28

All: 0.004+/-0.000 χ^2/NDF: 6970146.0/58

- sign 0.004+/-0.000 χ^2/NDF: 3563780.0/29



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.421+/-0.000 χ^2/NDF:337260966938.0/12

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

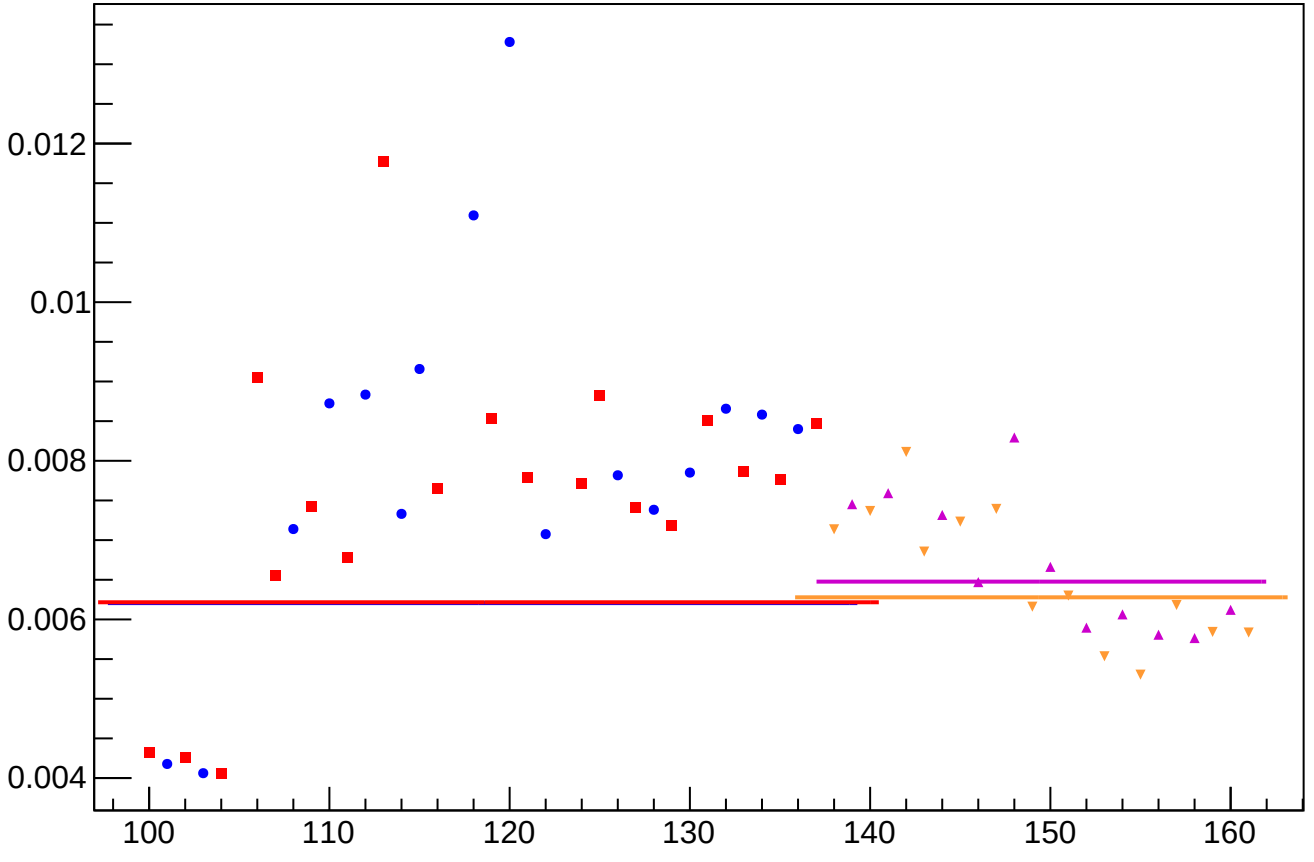
Left In: -0.428+/-0.000 χ^2/NDF:297203820369.9/10

+ sign 0.056+/-0.000 χ^2/NDF: 507812315891.6/28

All: 0.076+/-0.000 χ^2/NDF: 967533591809.3

- sign 0.097+/-0.000 χ^2/NDF: 459410583065.3/29

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:253466.1/12

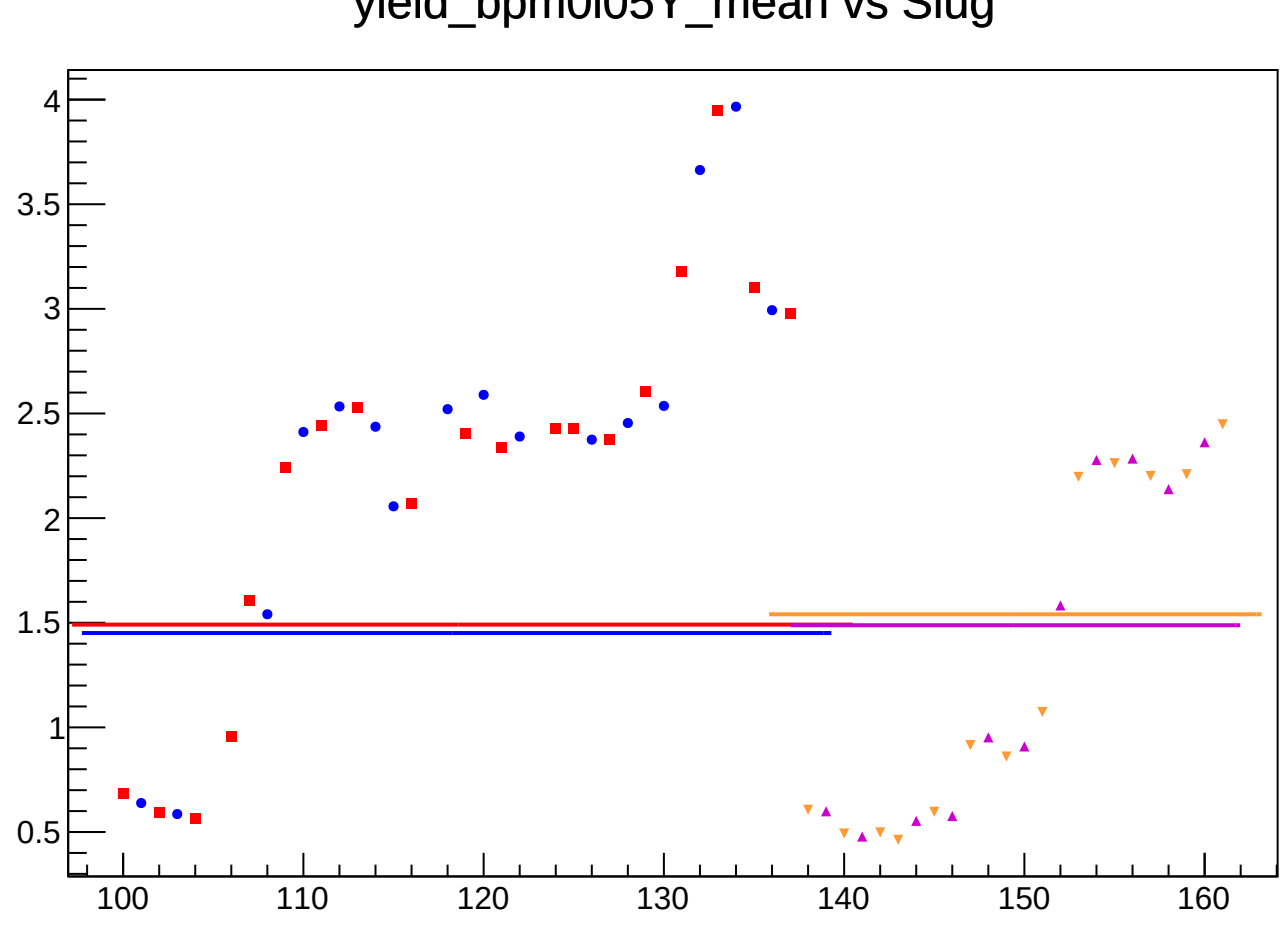
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:225135.9/10

+ sign 0.006+/-0.000 χ^2/NDF: 1678290.1/28

All: 0.006+/-0.000 χ^2/NDF: 3081052.6/58

- sign 0.006+/-0.000 χ^2/NDF: 1398138.0/29



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.541+/-0.000 χ^2/NDF:138829374991.9/12

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

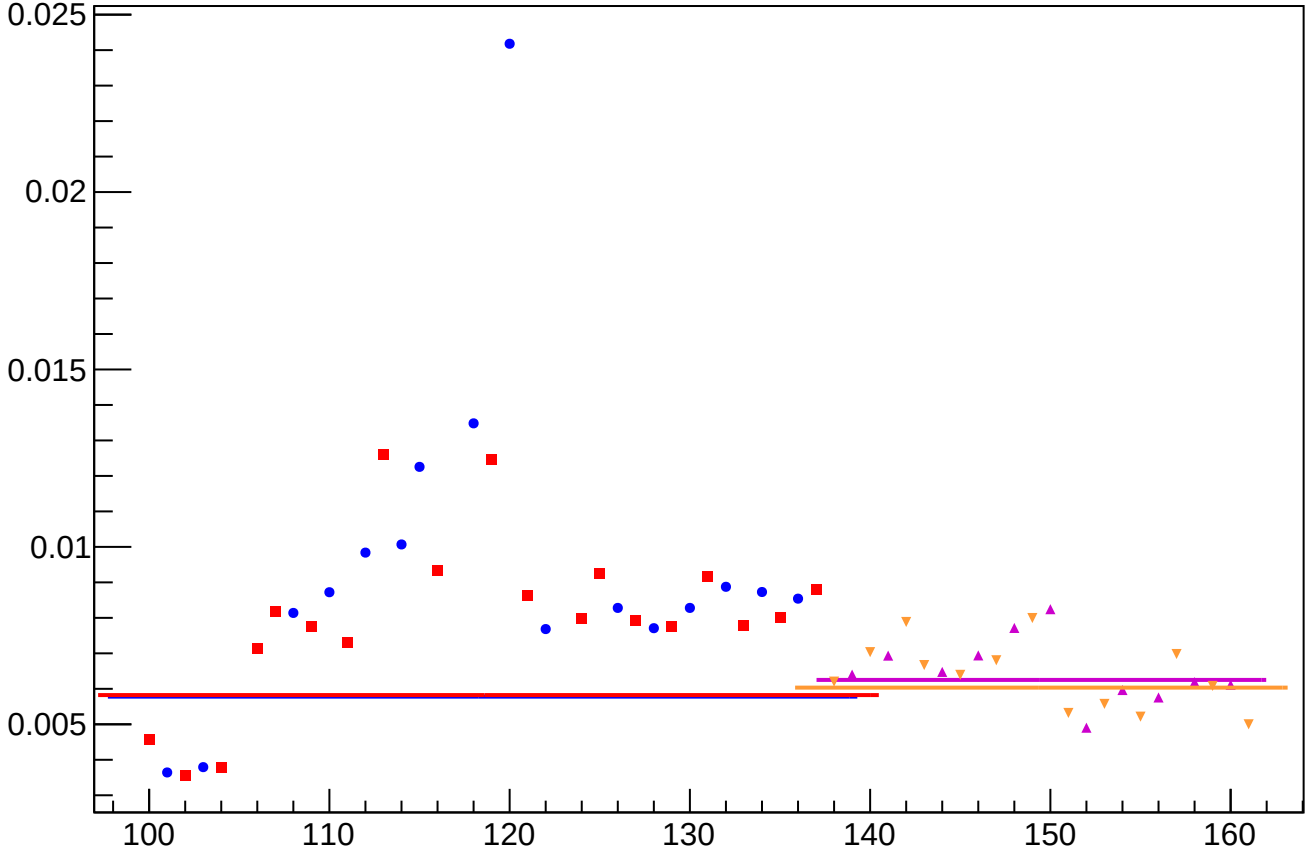
Left In: 1.488+/-0.000 χ^2/NDF:107388445669.0/10

+ sign 1.504+/-0.000 χ^2/NDF: 309182199704.5/28

All: 1.497+/-0.000 χ^2/NDF: 603563272777.9

- sign 1.490+/-0.000 χ^2/NDF: 294341925702.3/29

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:324023.7/12

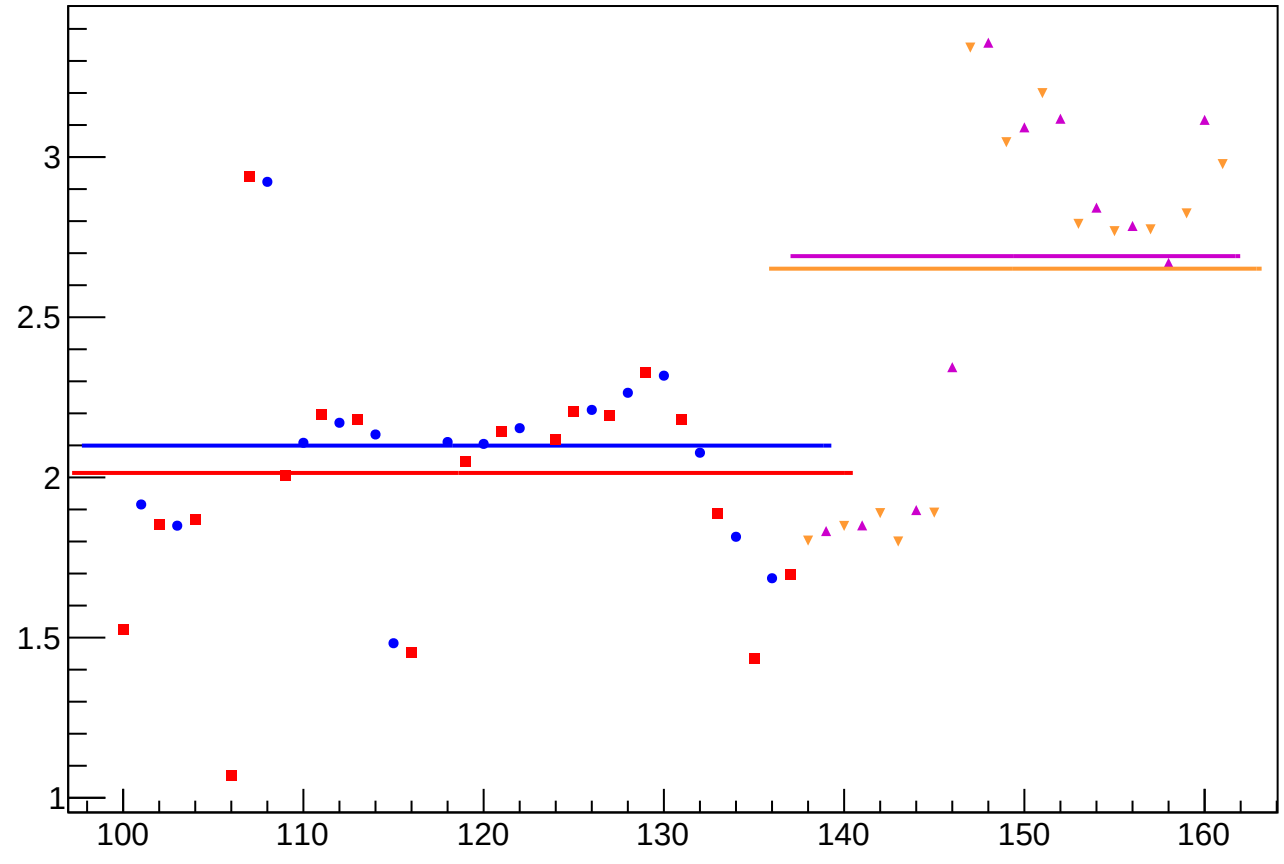
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:277859.9/10

+ sign 0.006+/-0.000 χ^2/NDF: 2549381.9/28

All: 0.006+/-0.000 χ^2/NDF: 4820365.1/58

- sign 0.006+/-0.000 χ^2/NDF: 2265488.8/29



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.652+/-0.000 χ^2/NDF:42440037294.3/12

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

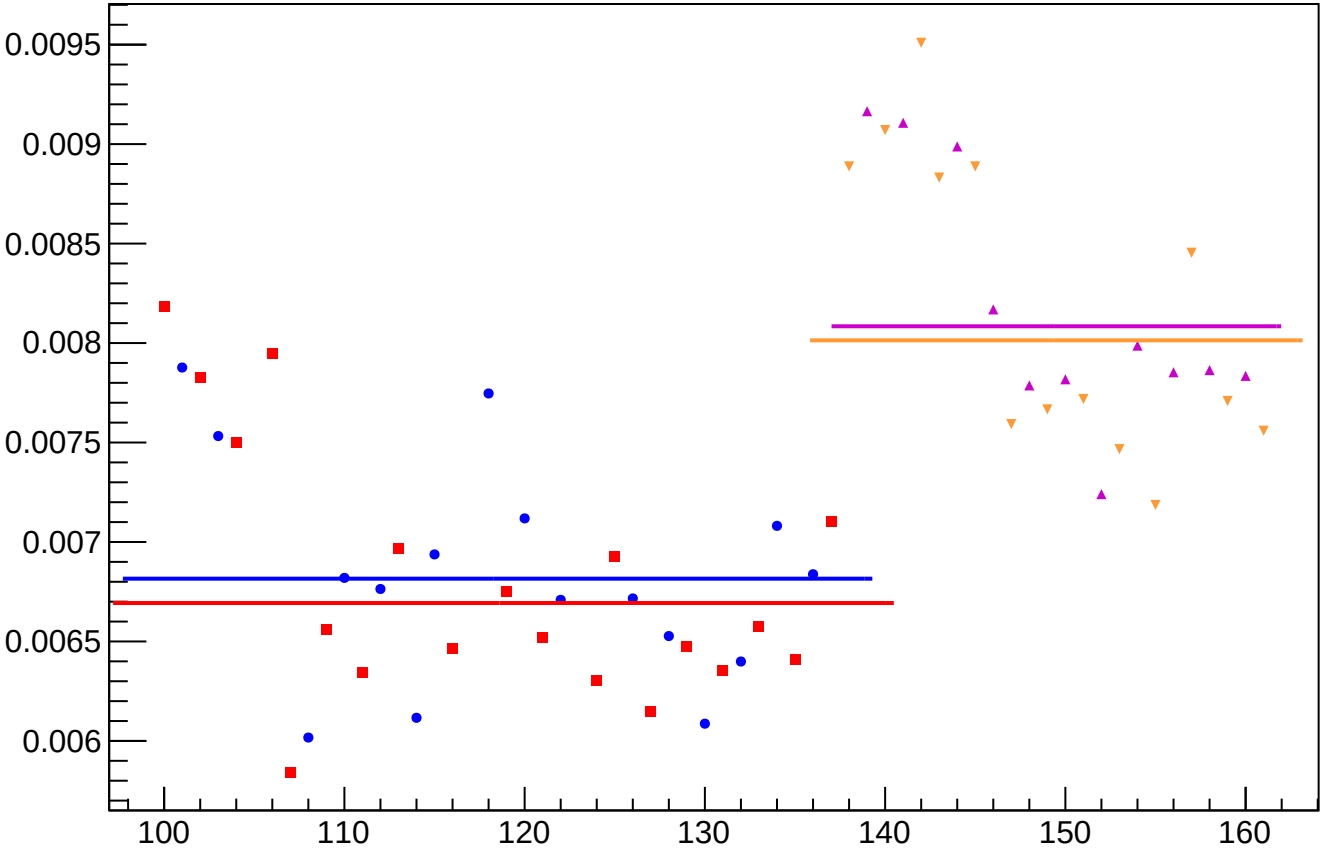
Left In: 2.691+/-0.000 χ^2/NDF:35737933542.5/10

+ sign 2.378+/-0.000 χ^2/NDF: 78956129044.9/28

All: 2.352+/-0.000 χ^2/NDF: 168414316849.5

- sign 2.327+/-0.000 χ^2/NDF: 89072217411.9/29

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:133792.8/12

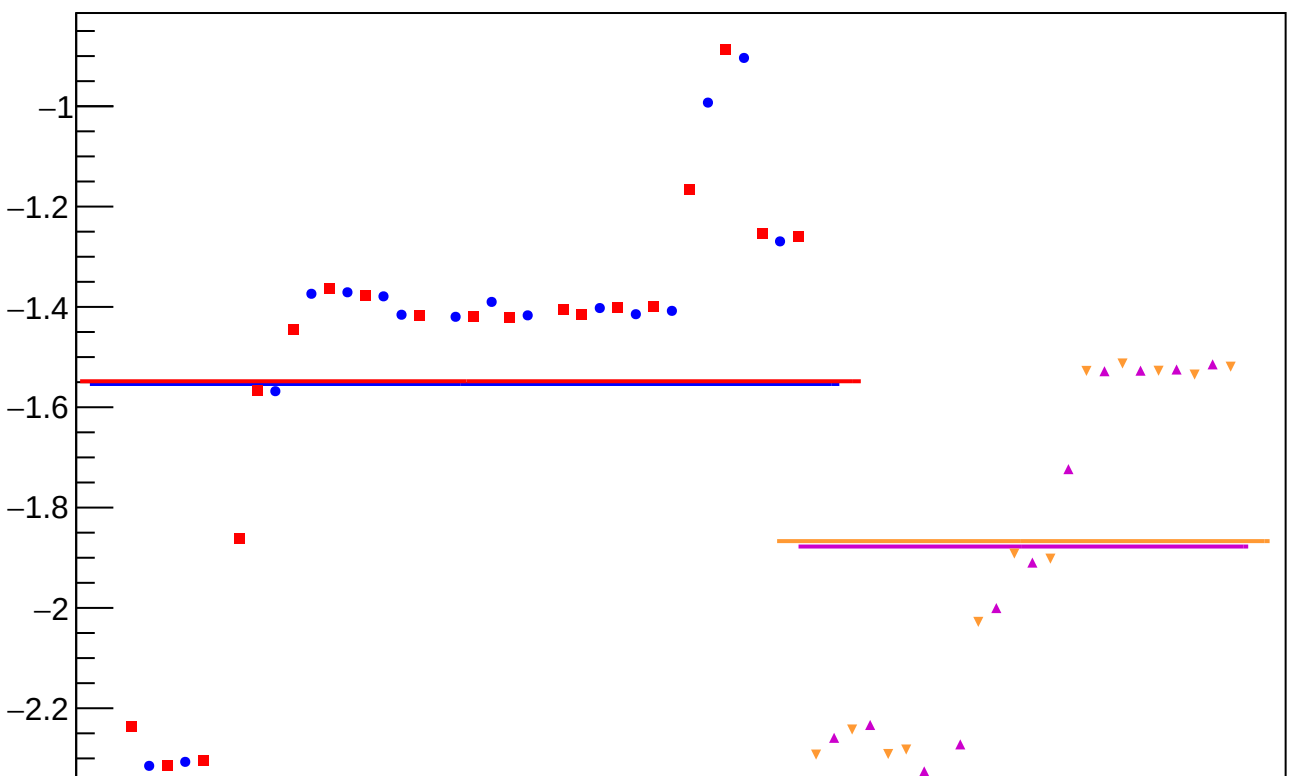
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:91207.1/10

\+ sign 0.007+/-0.000 χ^2/NDF: 433165.6/28

All: 0.007+/-0.000 χ^2/NDF: 899248.2/58

\- sign 0.007+/-0.000 χ^2/NDF: 464015.1/29



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.867+/-0.000 χ^2/NDF:108832595758.8/12

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

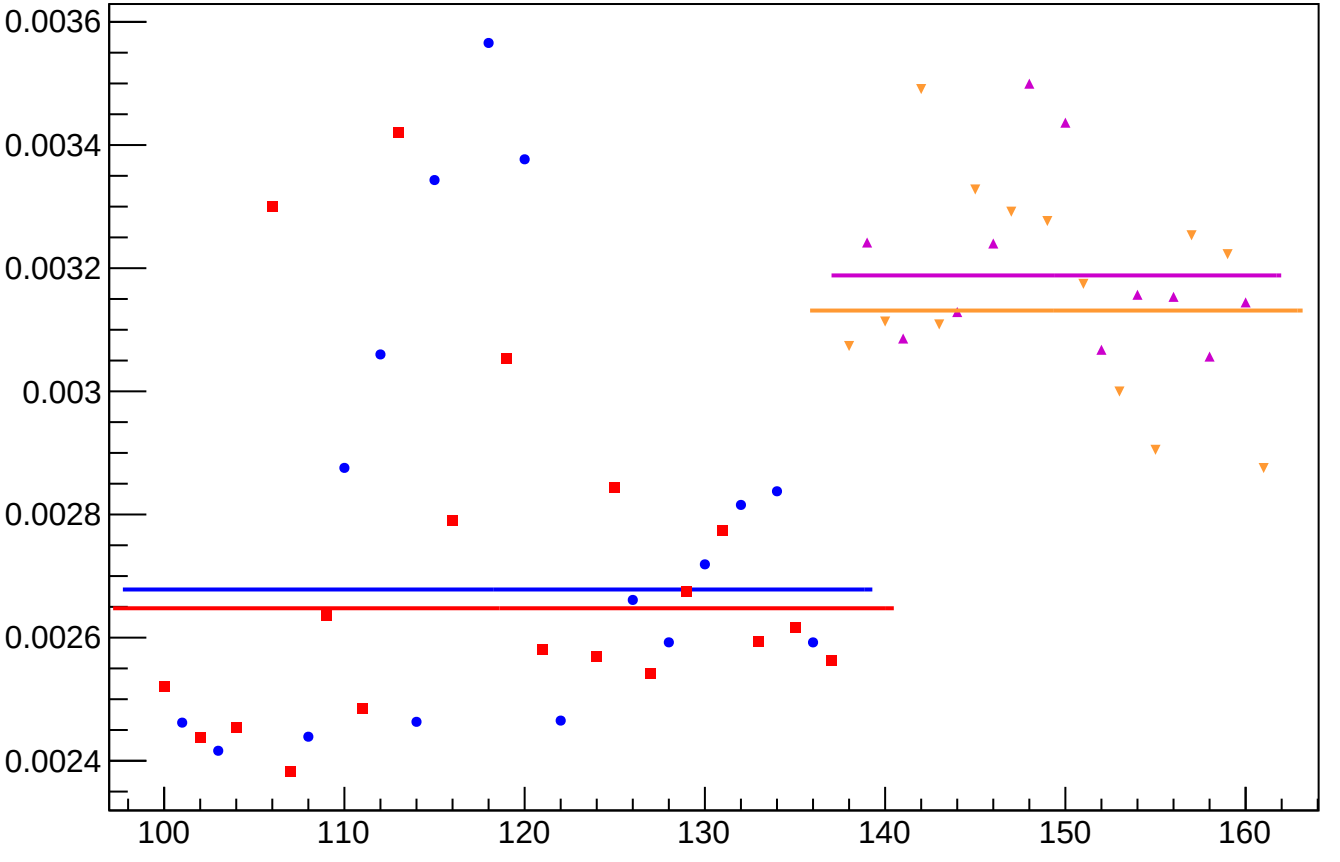
Left In: -1.878+/-0.000 χ^2/NDF:93232894052.1/10

+ sign -1.712+/-0.000 χ^2/NDF: 330380100395.9/28

All: -1.706+/-0.000 χ^2/NDF: 648607040275.2

- sign -1.700+/-0.000 χ^2/NDF: 318101499187.1/29

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:49331.6/12

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

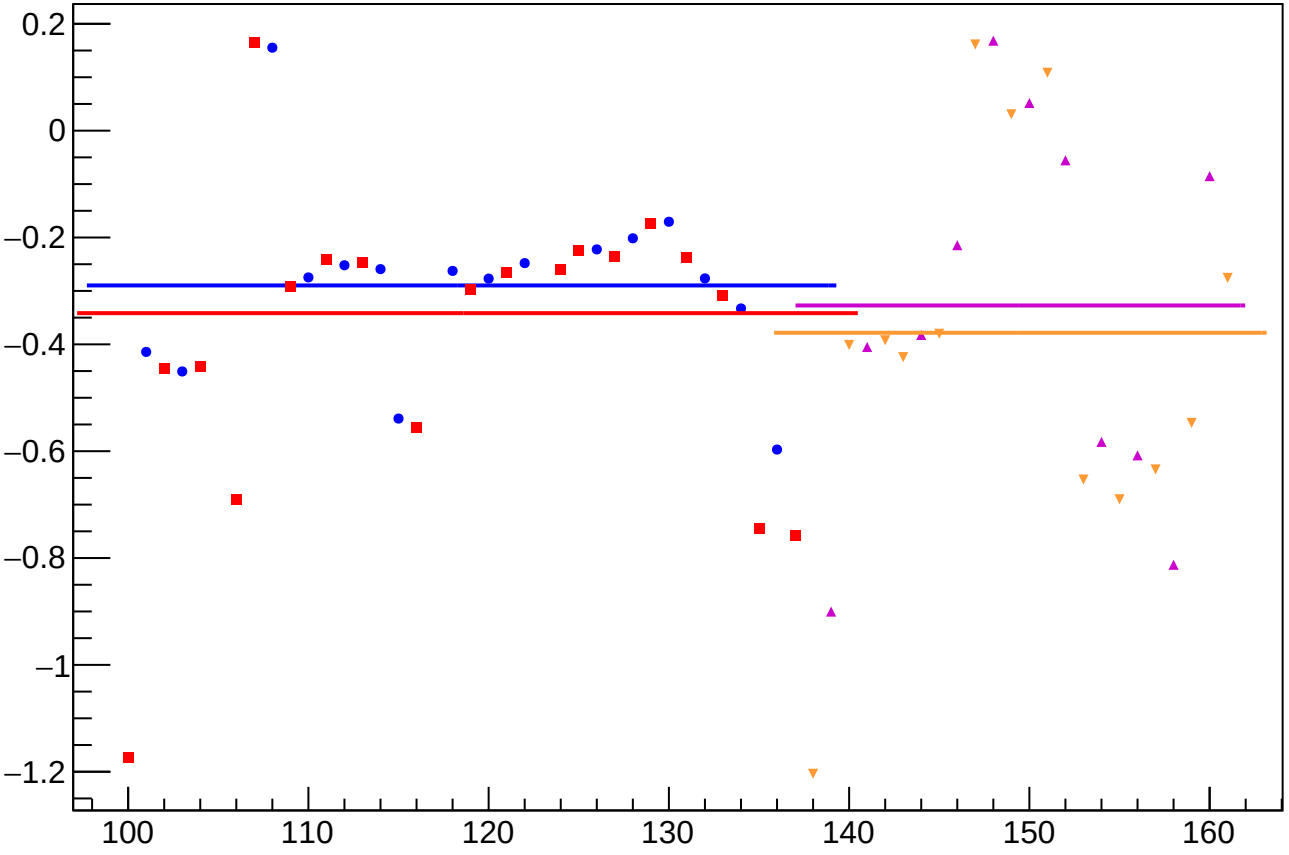
Left In: 0.003+/-0.000 χ^2/NDF:30031.3/10

+ sign 0.003+/-0.000 χ^2/NDF: 401226.7/28

All: 0.003+/-0.000 χ^2/NDF: 817469.4/58

- sign 0.003+/-0.000 χ^2/NDF: 416062.1/29

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.378+/-0.000 χ^2/NDF:6978894204.9/12

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

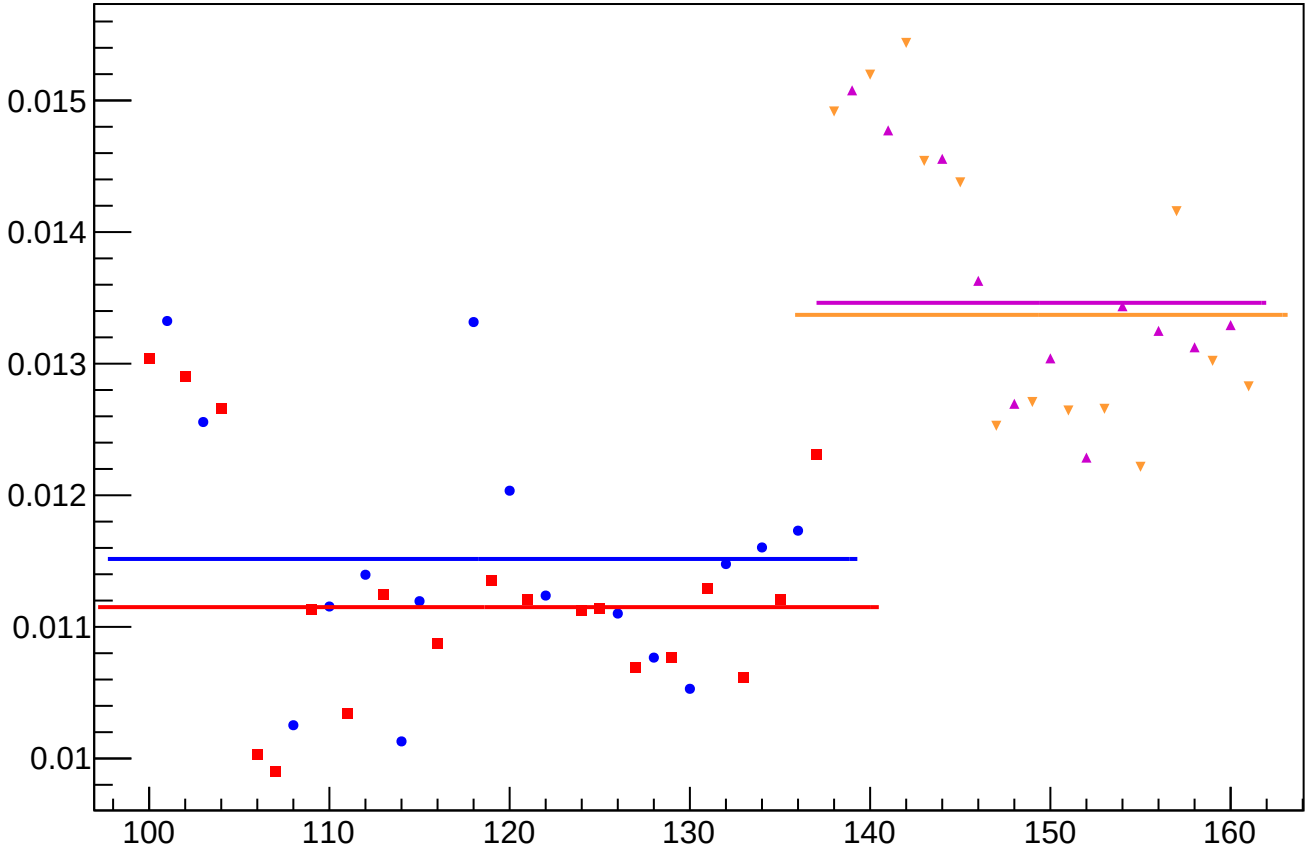
Left In: -0.327+/-0.000 χ^2/NDF:5620384543.0/10

+ sign -0.335+/-0.000 χ^2/NDF: 8831910271.7/28

All: -0.335+/-0.000 χ^2/NDF: 17067058676.8/

- sign -0.335+/-0.000 χ^2/NDF: 8235145514.6/29

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:113256.8/12

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

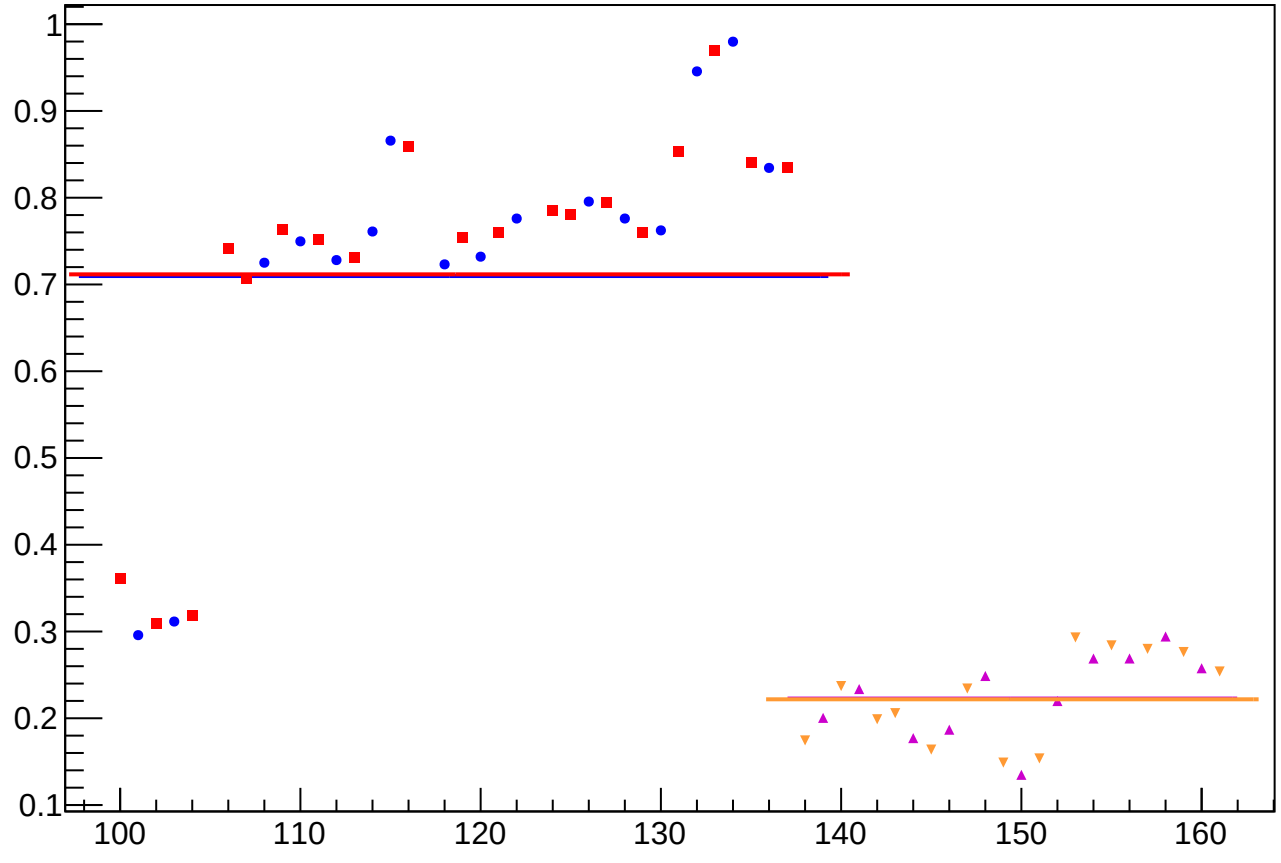
Left In: 0.013+/-0.000 χ^2/NDF:65129.6/10

+ sign 0.012+/-0.000 χ^2/NDF: 379897.0/28

All: 0.012+/-0.000 χ^2/NDF: 807856.3/58

- sign 0.012+/-0.000 χ^2/NDF: 421238.3/29

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.222+/-0.000 χ^2/NDF:5323318310.7/12

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

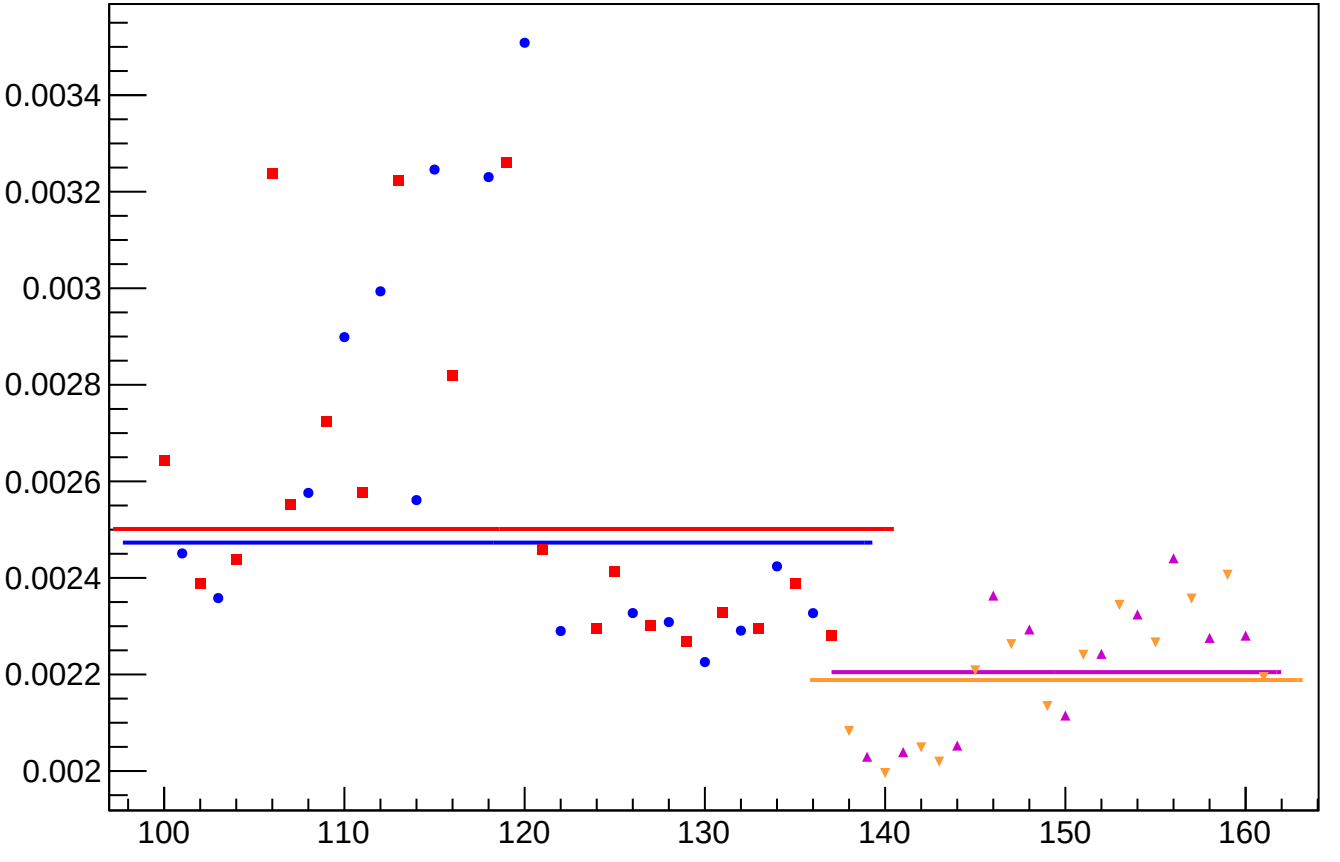
Left In: 0.223+/-0.000 χ^2/NDF:4114481767.0/10

+ sign 0.390+/-0.000 χ^2/NDF: 228388858871.9/28

All: 0.396+/-0.000 χ^2/NDF: 446959601115.0

- sign 0.402+/-0.000 χ^2/NDF: 218310929286.1/29

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:70283.3/12

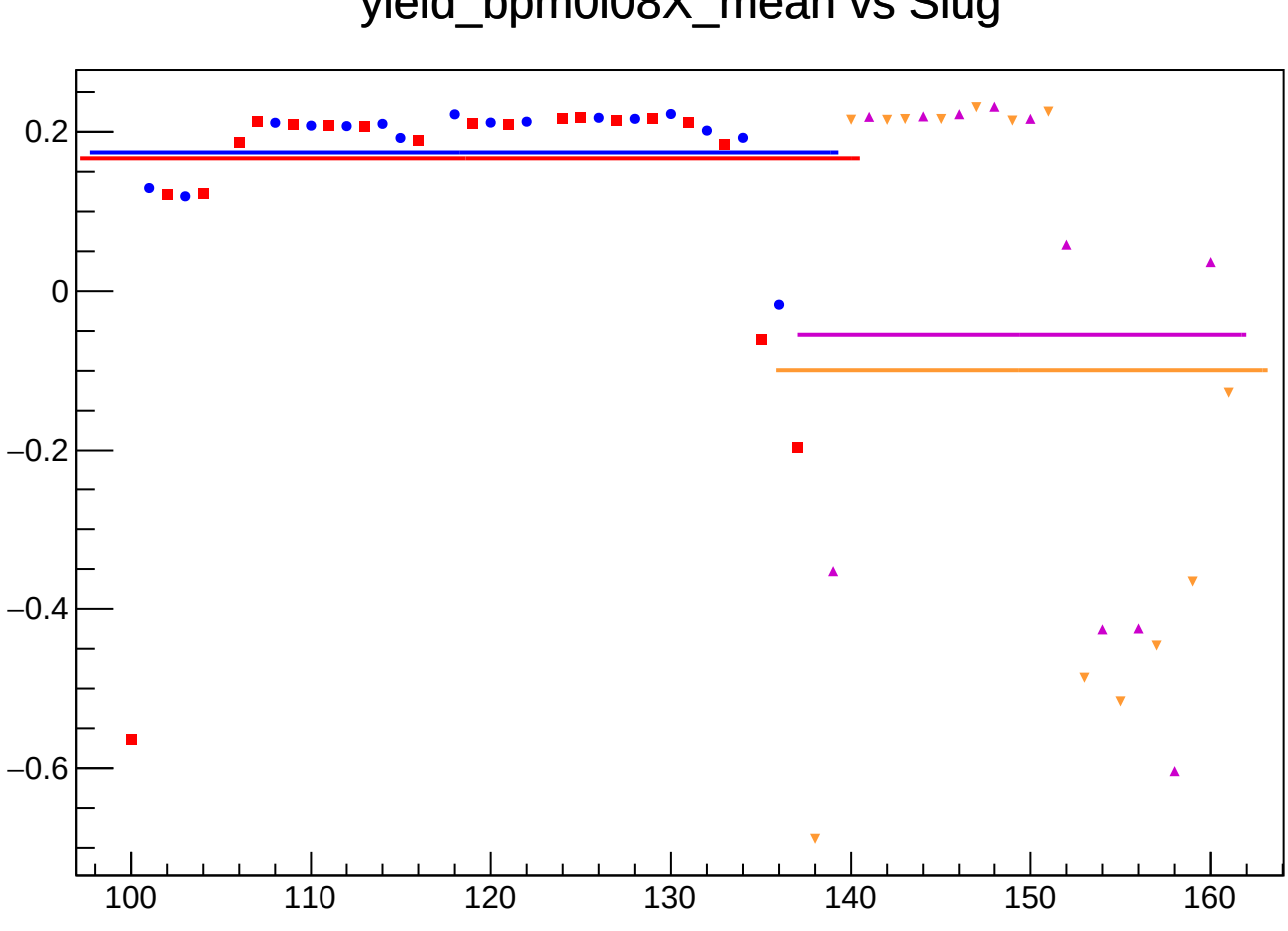
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:71332.2/10

+ sign 0.002+/-0.000 χ^2/NDF: 396940.1/28

All: 0.002+/-0.000 χ^2/NDF: 773108.3/58

- sign 0.002+/-0.000 χ^2/NDF: 373781.9/29



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.099+/-0.000 χ^2/NDF:7753058316.2/12

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

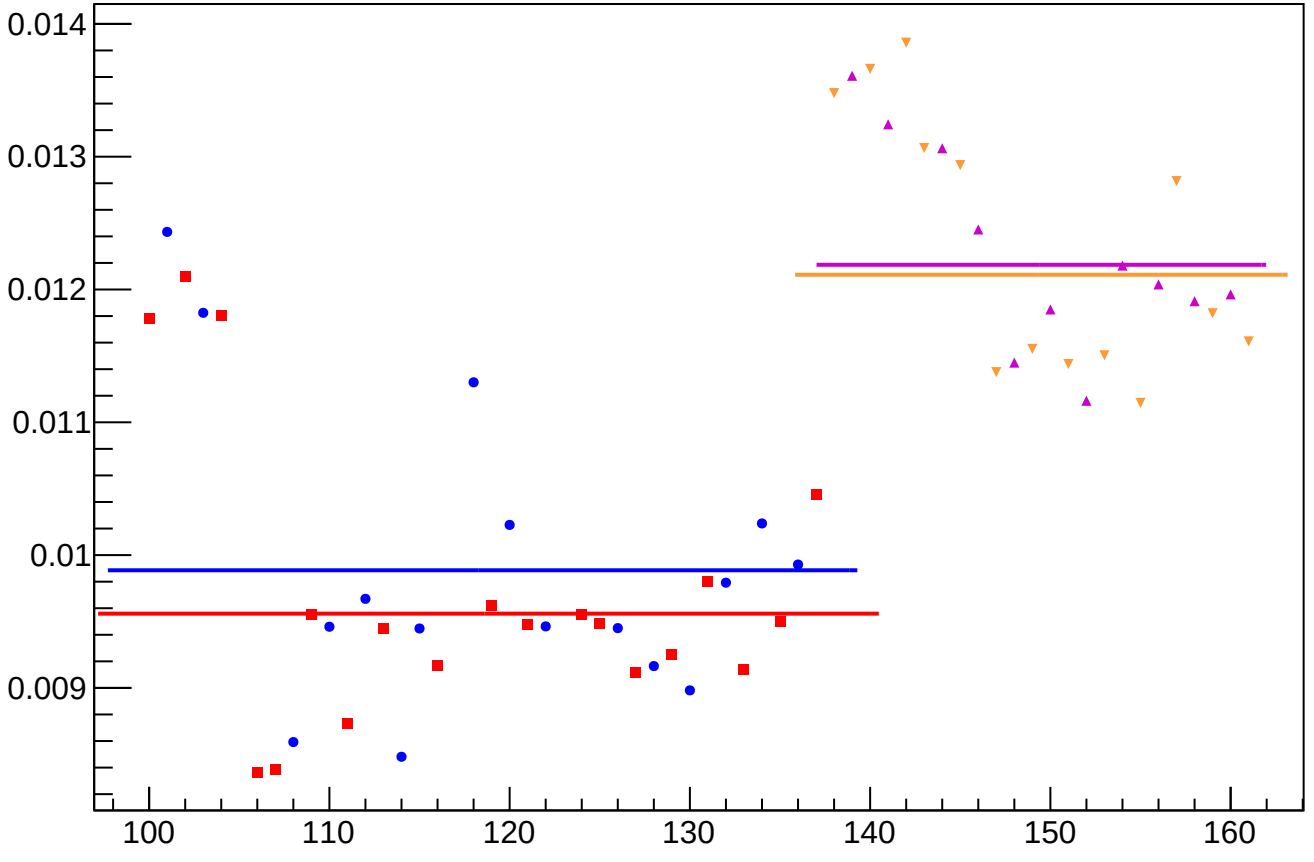
Left In: -0.055+/-0.000 χ^2/NDF:5891526686.3/10

+ sign 0.042+/-0.000 χ^2/NDF: 10694217868.9/28

All: 0.056+/-0.000 χ^2/NDF: 19212081897.3/5

- sign 0.071+/-0.000 χ^2/NDF: 8459375364.7/29

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:101917.4/12

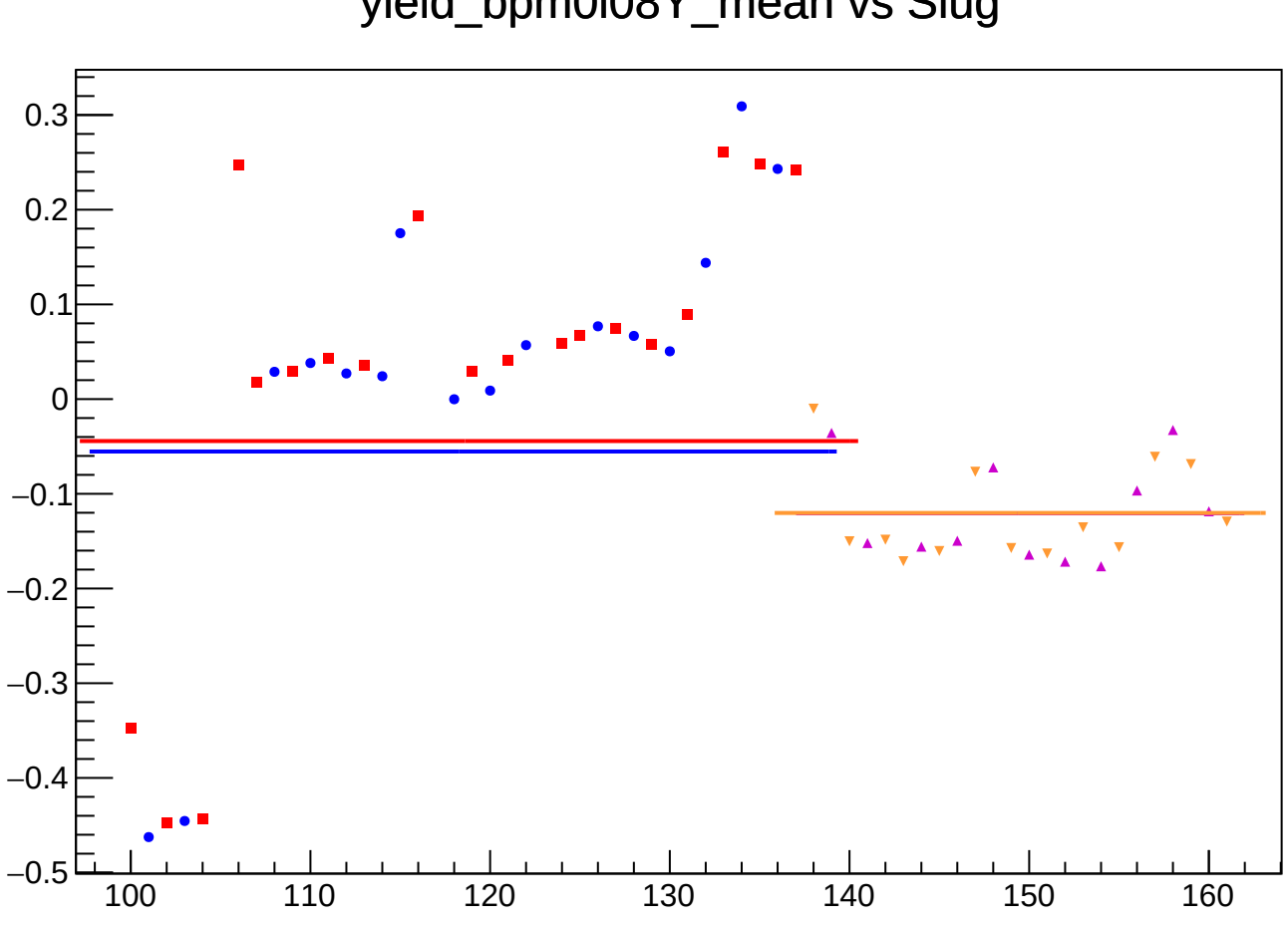
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:59604.0/10

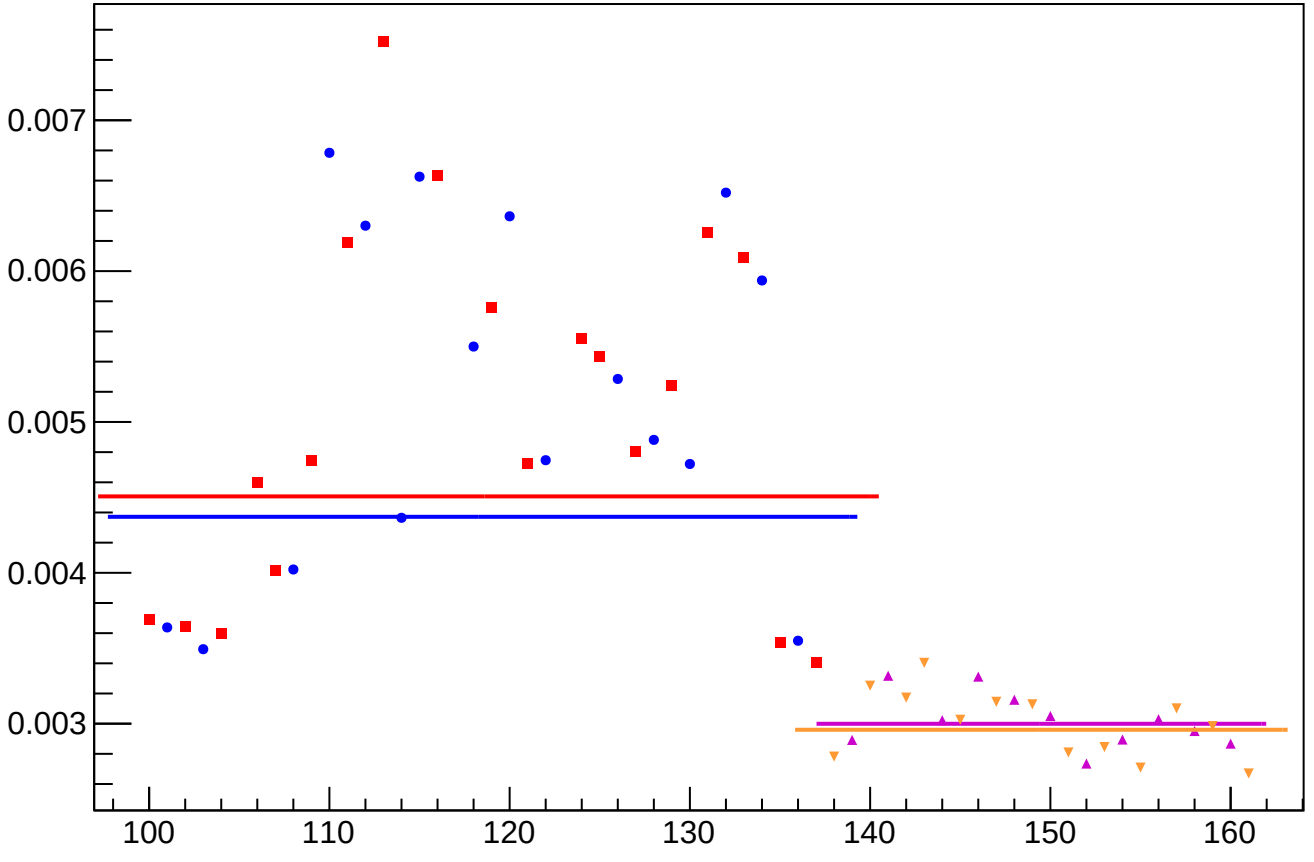
+ sign 0.011+/-0.000 χ^2/NDF: 587224.6/28

All: 0.011+/-0.000 χ^2/NDF: 1263964.3/58

- sign 0.011+/-0.000 χ^2/NDF: 666951.8/29


yield_bpm0l08Y_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
Right In: -0.055+/-0.000 χ²/NDF: 24081939190.6/15
Left Out: -0.120+/-0.000 χ²/NDF:2707696287.0/12
Right Out: -0.044+/-0.000 χ²/NDF: 22136167141.7/18
Left In: -0.121+/-0.000 χ²/NDF:2721283595.1/10
+ sign -0.106+/-0.000 χ²/NDF: 27833364620.2/28
All: -0.104+/-0.000 χ²/NDF: 54093437961.2/
- sign -0.102+/-0.000 χ²/NDF: 26252269681.3/29

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:100344.3/12

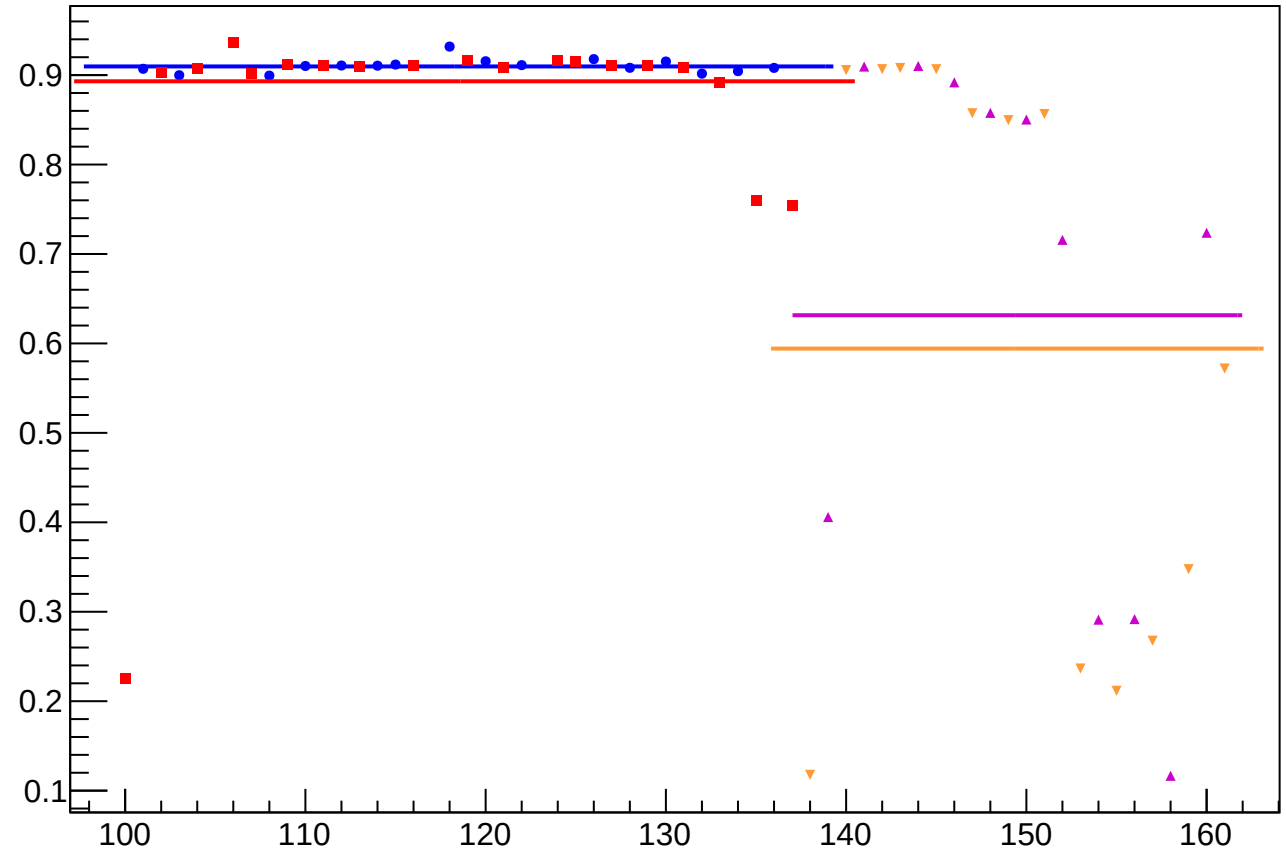
Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:56929.4/10

+ sign 0.003+/-0.000 χ^2/NDF: 1749342.8/28

All: 0.003+/-0.000 χ^2/NDF: 3608243.9/58

- sign 0.003+/-0.000 χ^2/NDF: 1848865.0/29



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.594+/-0.000 χ^2/NDF:6556746905.4/12

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

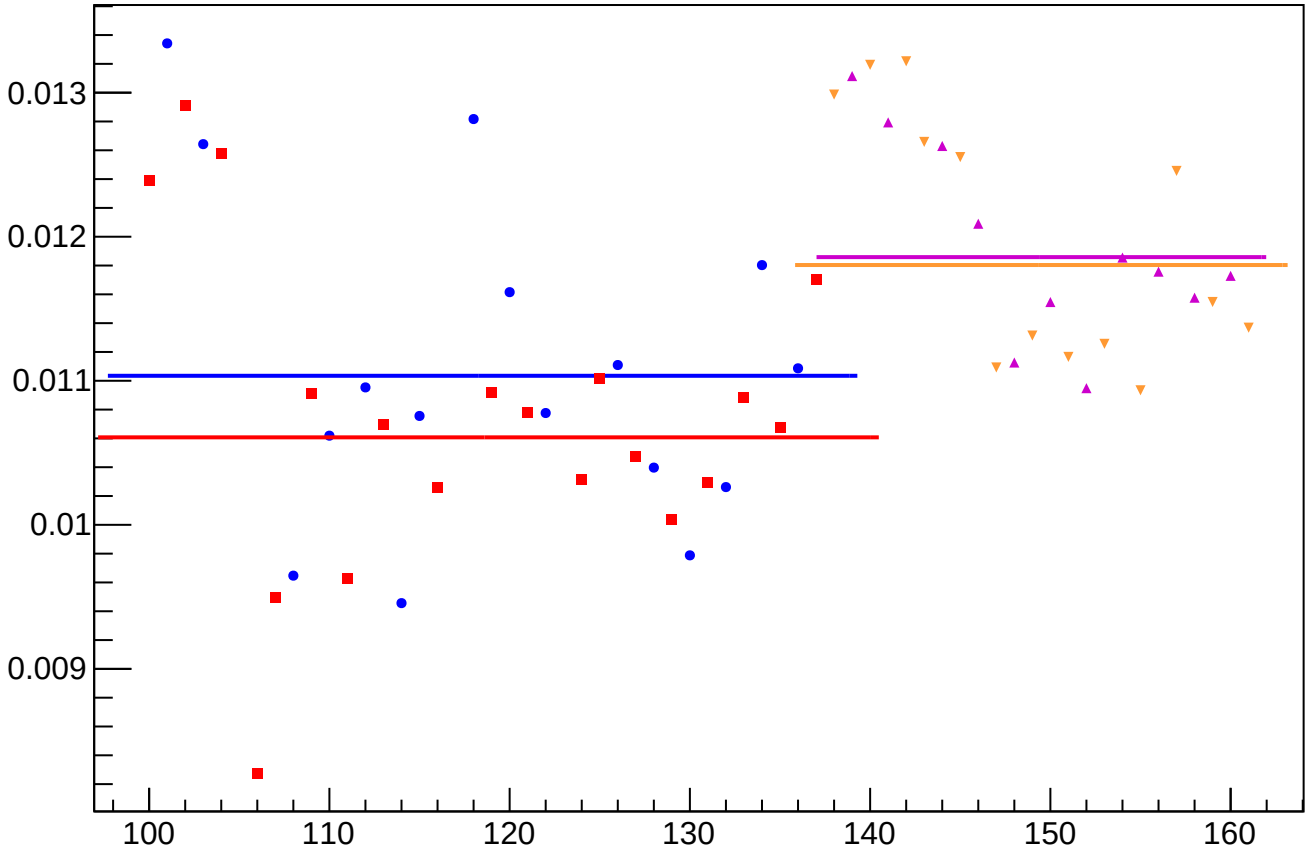
Left In: 0.632+/-0.000 χ^2/NDF:5194515018.4/10

+ sign 0.735+/-0.000 χ^2/NDF: 9667862267.8/28

All: 0.749+/-0.000 χ^2/NDF: 17429361883.5/5

- sign 0.762+/-0.000 χ^2/NDF: 7714277584.7/29

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:86748.0/12

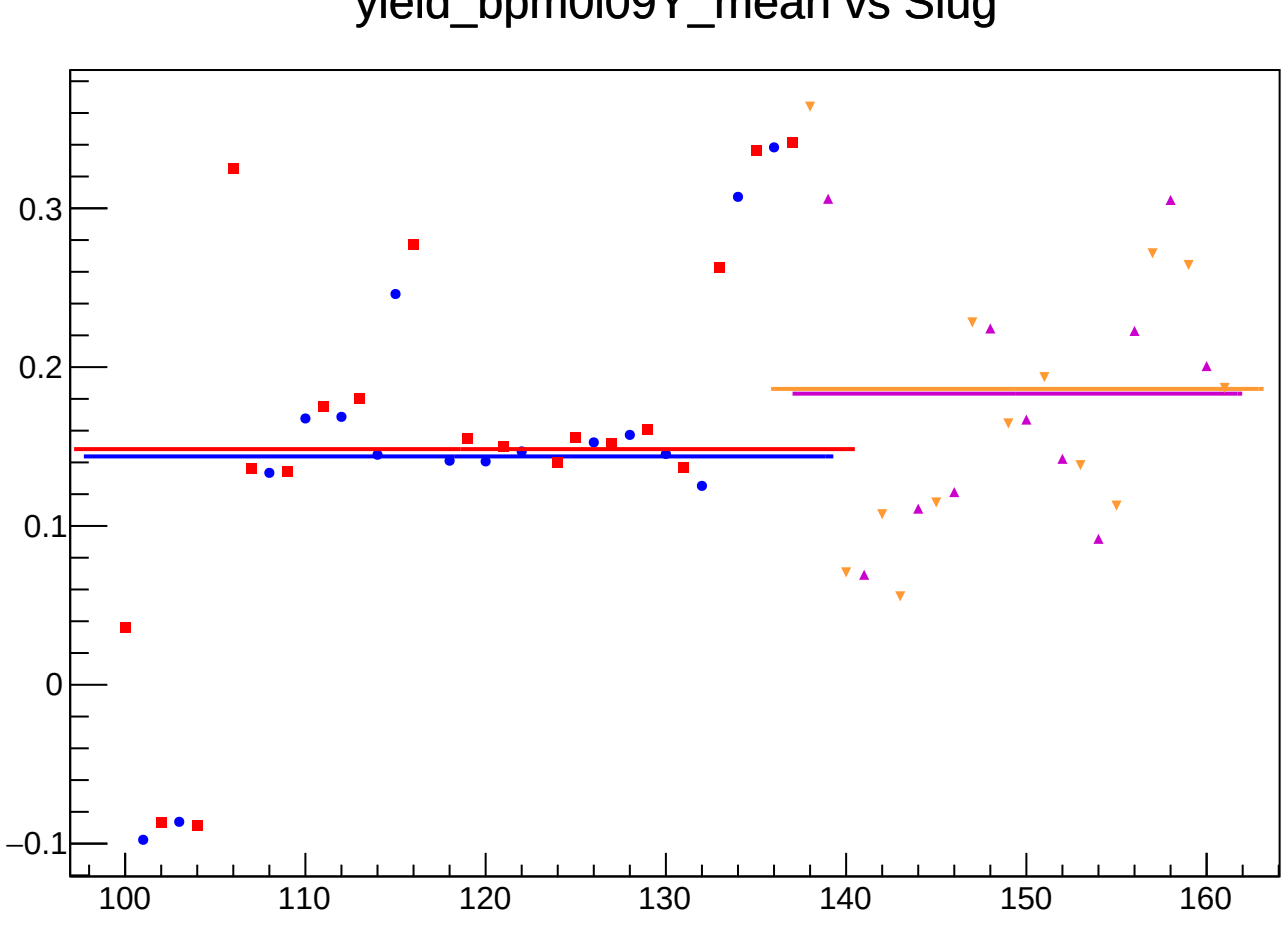
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:51456.8/10

+ sign 0.011+/-0.000 χ^2/NDF: 254030.9/28

All: 0.011+/-0.000 χ^2/NDF: 556304.4/58

- sign 0.011+/-0.000 χ^2/NDF: 295703.0/29



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.186+/-0.000 χ^2/NDF:5837683934.6/12

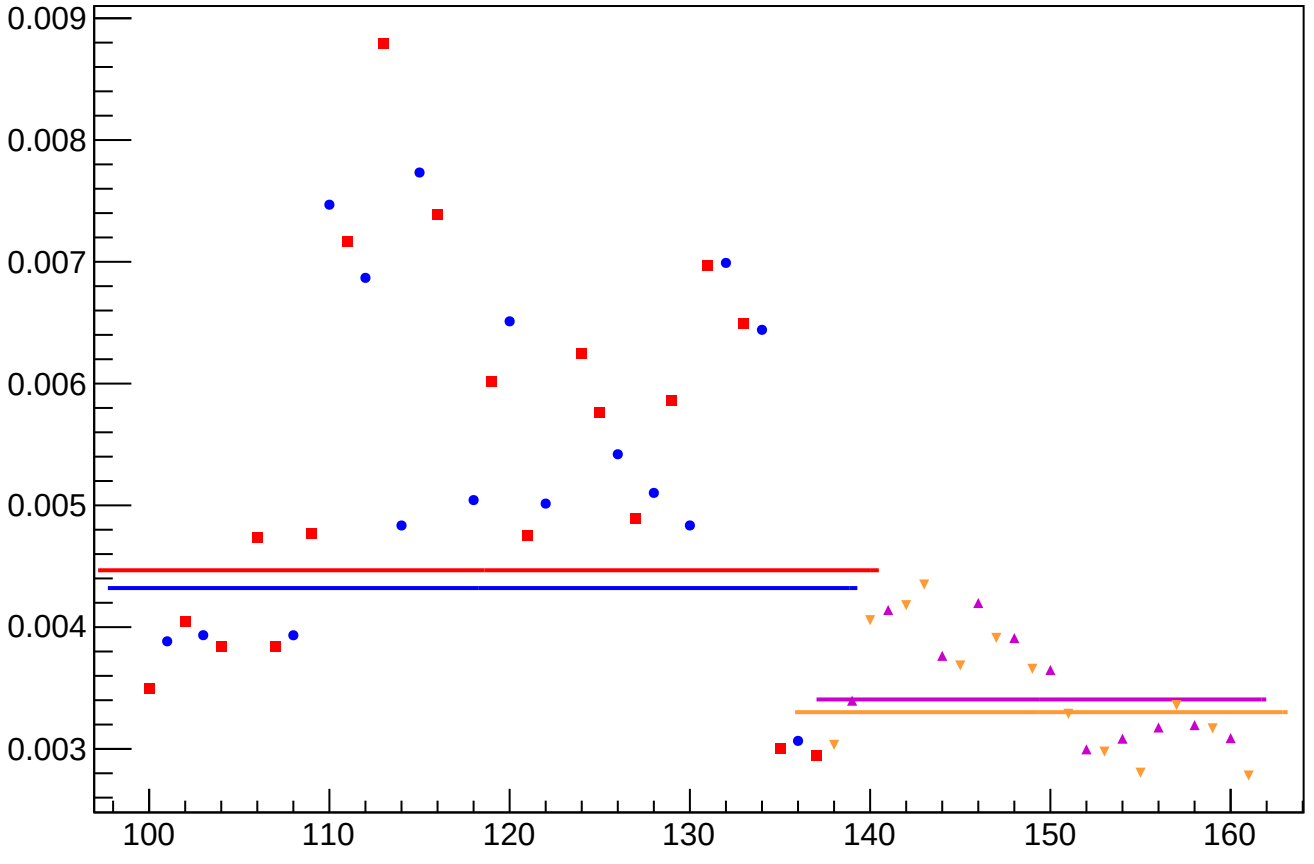
Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.183+/-0.000 χ^2/NDF:4386636863.5/10

+ sign 0.175+/-0.000 χ^2/NDF: 14112378444.9/28

All: 0.174+/-0.000 χ^2/NDF: 25888088946.2/5

- sign 0.173+/-0.000 χ^2/NDF: 11774061187.3/29



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:369157.3/12

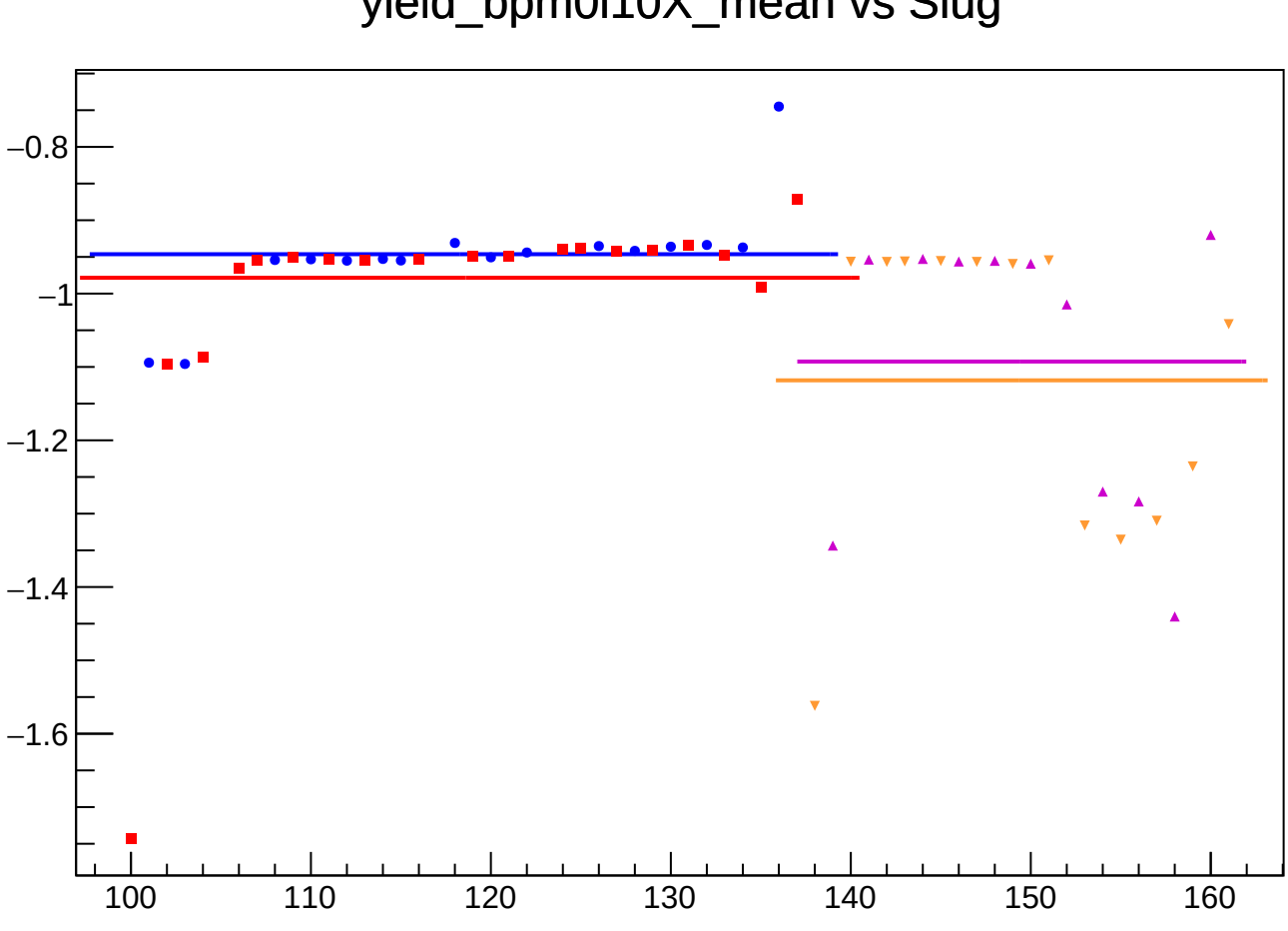
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:228443.3/10

+ sign 0.004+/-0.000 χ^2/NDF: 1715859.5/28

All: 0.004+/-0.000 χ^2/NDF: 3528821.1/58

- sign 0.004+/-0.000 χ^2/NDF: 1791959.4/29



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.118+/-0.000 χ^2/NDF:3349353115.6/12

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

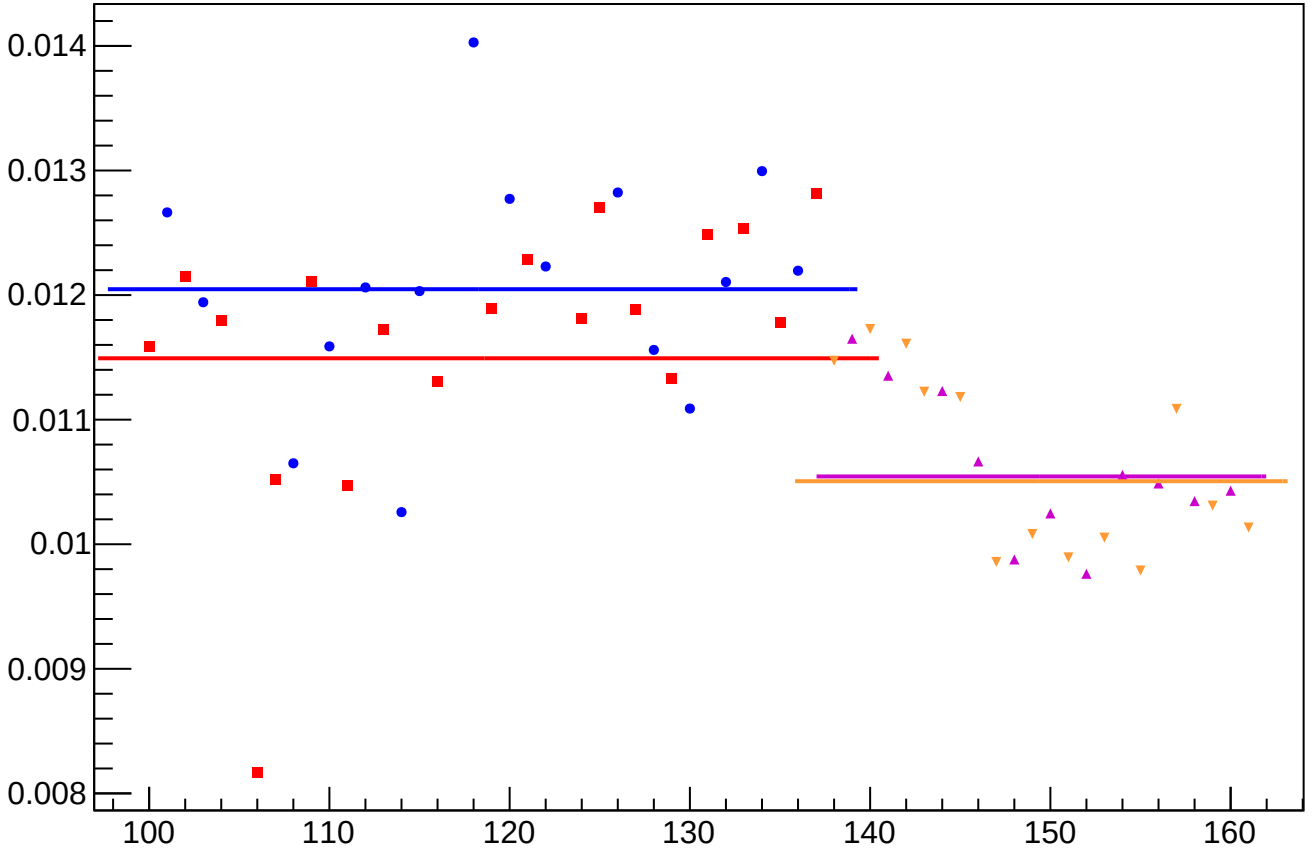
Left In: -1.093+/-0.000 χ^2/NDF:2802374189.2/10

+ sign -1.058+/-0.000 χ^2/NDF: 4666822678.9/28

All: -1.053+/-0.000 χ^2/NDF: 8363830363.6/5

- sign -1.047+/-0.000 χ^2/NDF: 3688139221.3/29

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:81282.9/12

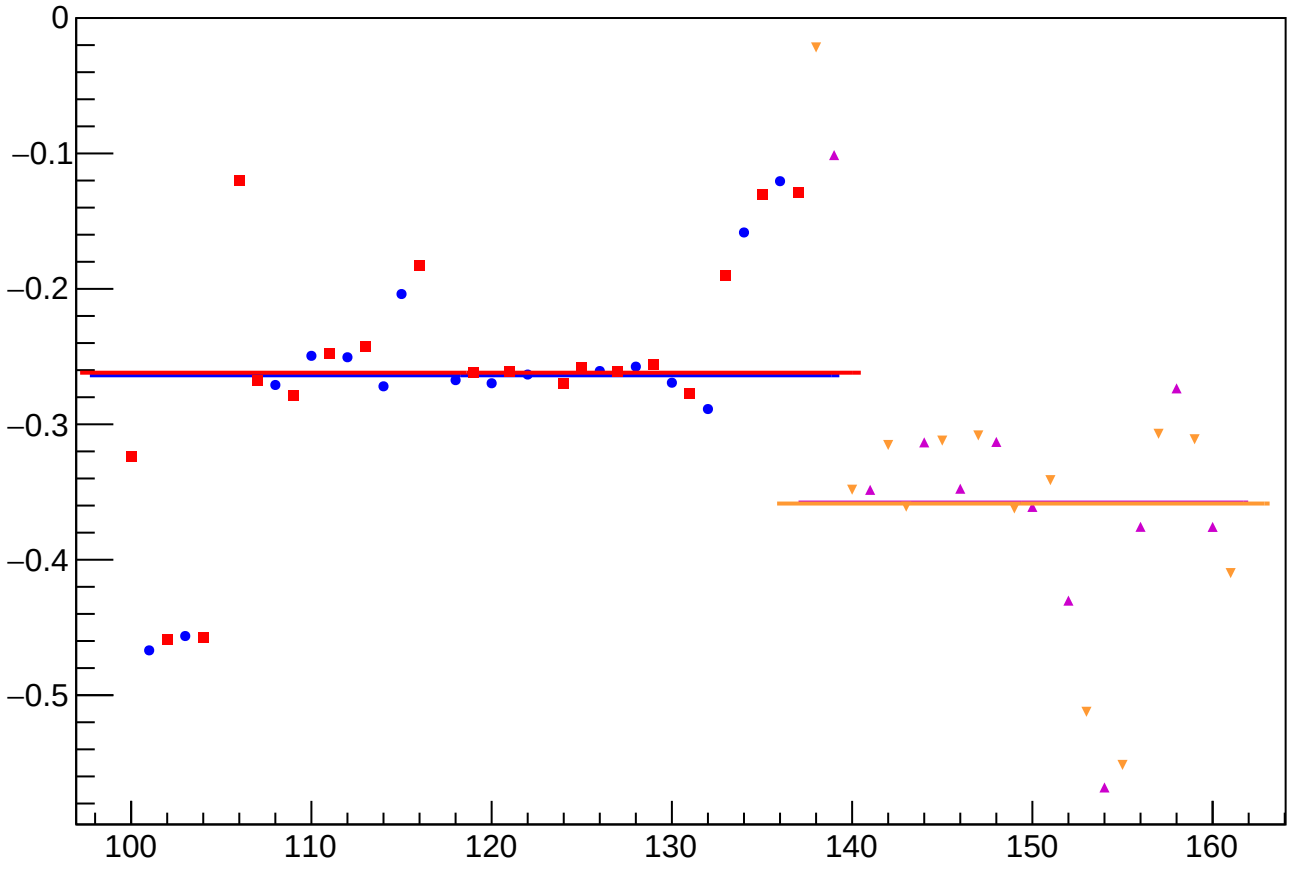
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:50006.2/10

+ sign 0.011+/-0.000 χ^2/NDF: 290495.9/28

All: 0.011+/-0.000 χ^2/NDF: 552342.2/58

- sign 0.011+/-0.000 χ^2/NDF: 259923.2/29



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.359+/-0.000 χ^2/NDF:11483144764.3/12

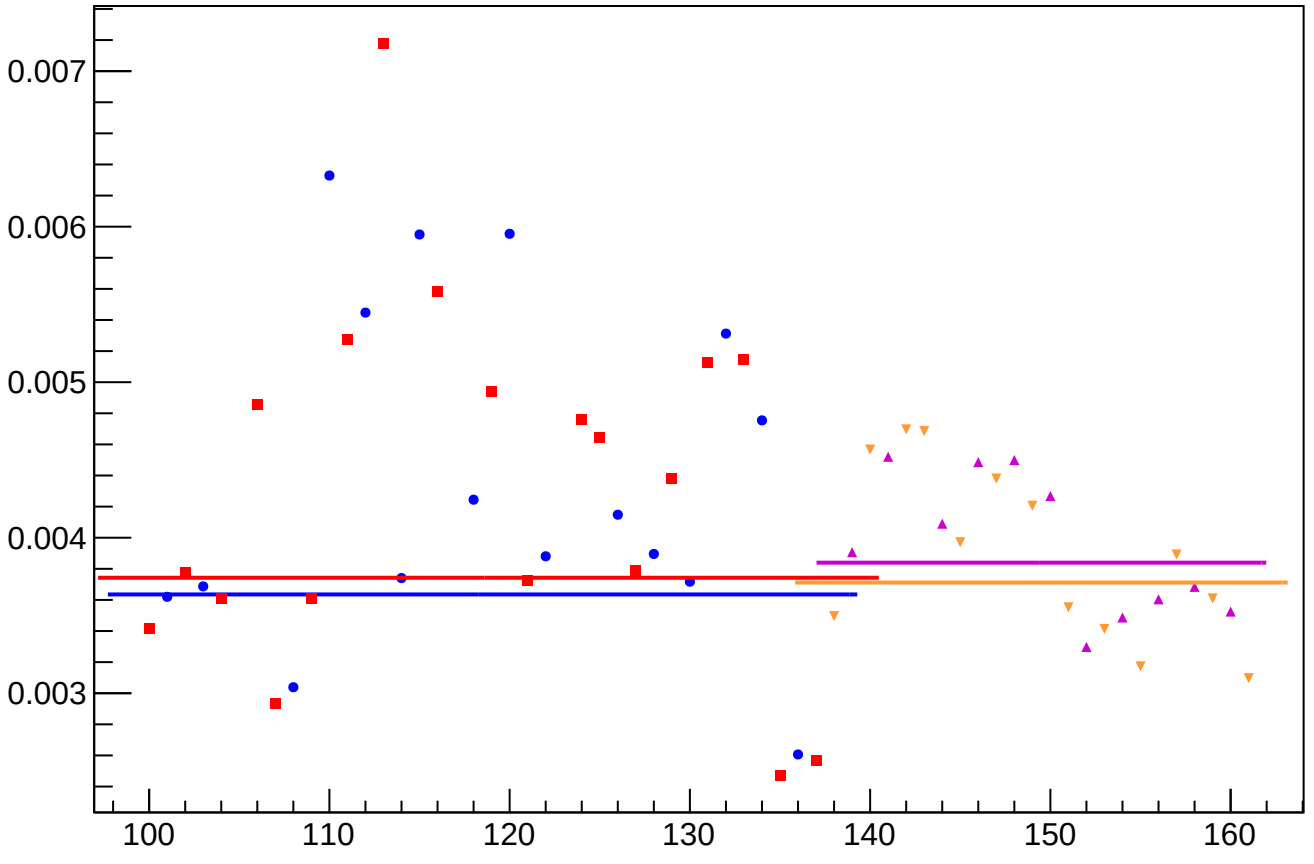
Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.358+/-0.000 χ^2/NDF:7234814143.9/10

+ sign -0.321+/-0.000 χ^2/NDF: 19949458415.6/28

All: -0.319+/-0.000 χ^2/NDF: 34699429470.6/

- sign -0.317+/-0.000 χ^2/NDF: 14740340037.9/29



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:333170.2/12

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

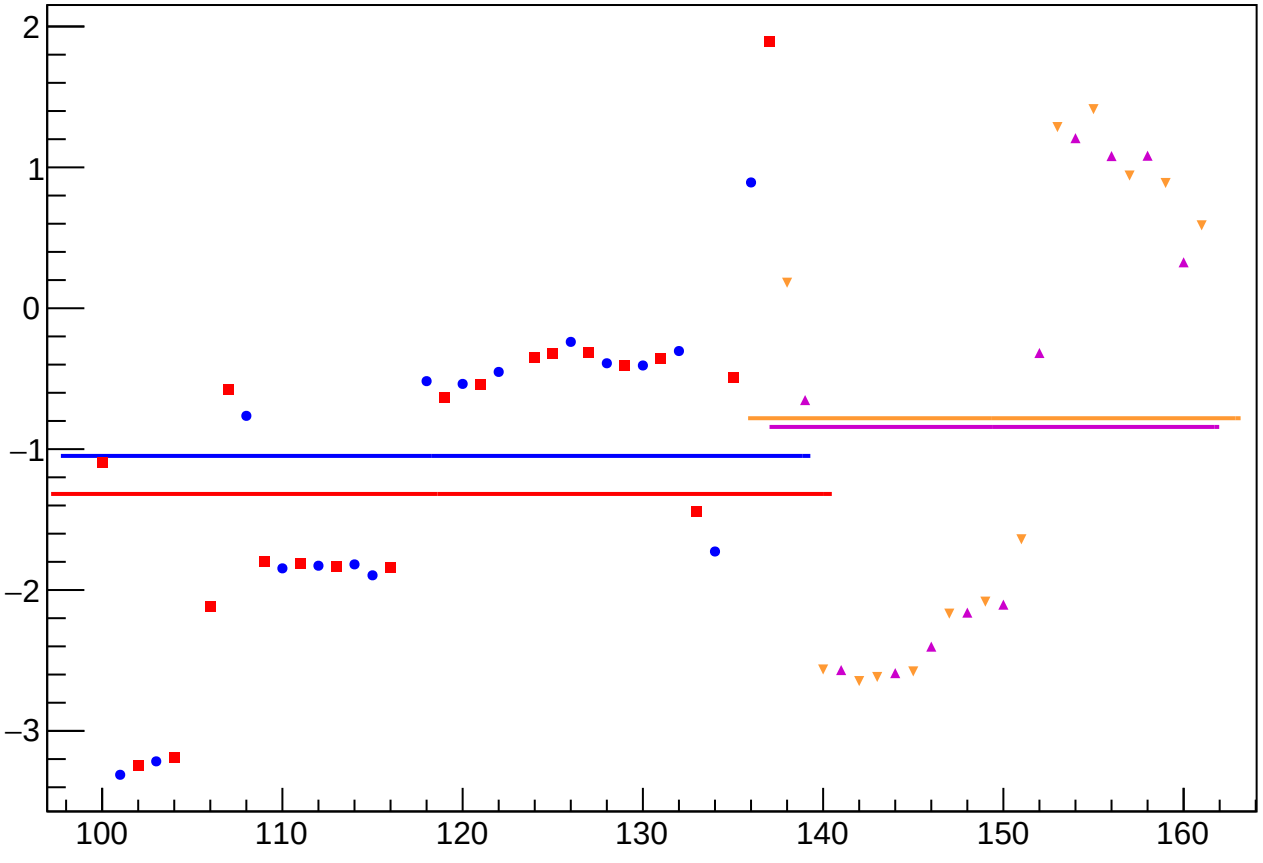
Left In: 0.004+/-0.000 χ^2/NDF:199501.4/10

+ sign 0.004+/-0.000 χ^2/NDF: 1064859.4/28

All: 0.004+/-0.000 χ^2/NDF: 2177373.7/58

- sign 0.004+/-0.000 χ^2/NDF: 1098309.4/29

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.781+/-0.000 χ^2/NDF:4775040930.3/12

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

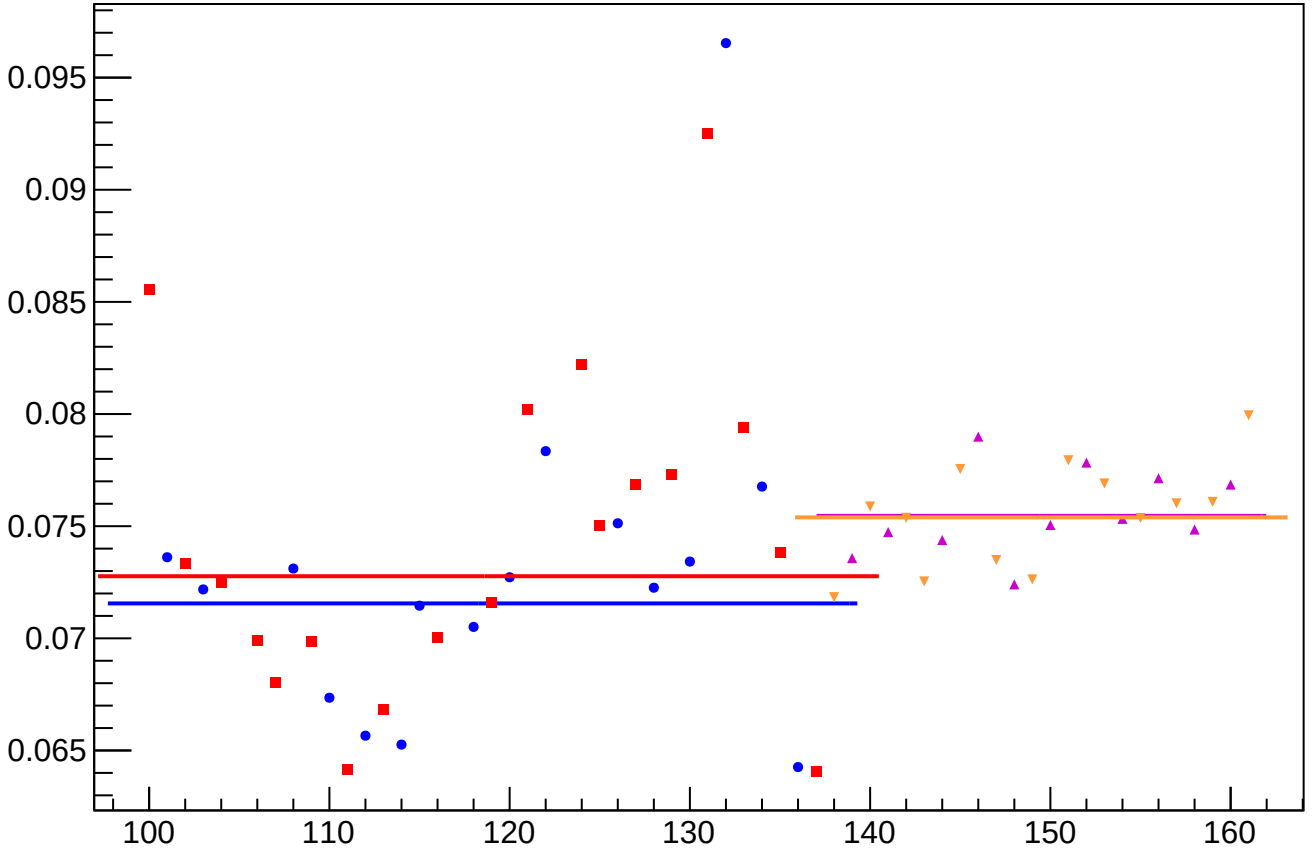
Left In: -0.842+/-0.000 χ^2/NDF:3747398855.9/10

+ sign -0.897+/-0.000 χ^2/NDF: 7177521520.5/28

All: -0.976+/-0.000 χ^2/NDF: 12982501562.6/

- sign -1.059+/-0.000 χ^2/NDF: 5764277217.6/29

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:18945.2/12

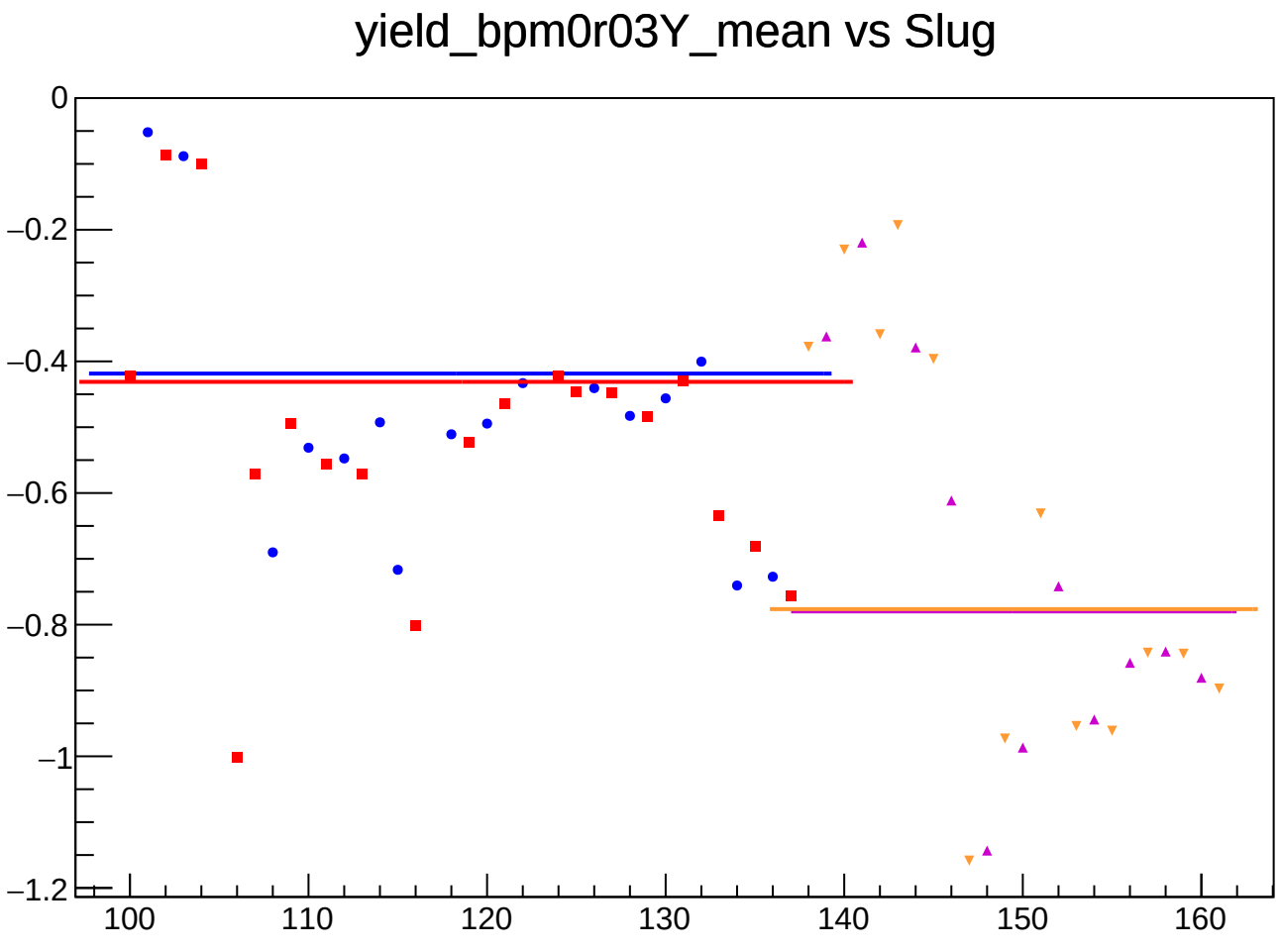
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:10893.9/10

+ sign 0.074+/-0.000 χ^2/NDF: 142996.9/28

All: 0.074+/-0.000 χ^2/NDF: 262350.4/58

- sign 0.074+/-0.000 χ^2/NDF: 118567.5/29



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.776+/-0.000 χ^2/NDF:13611245591.9/12

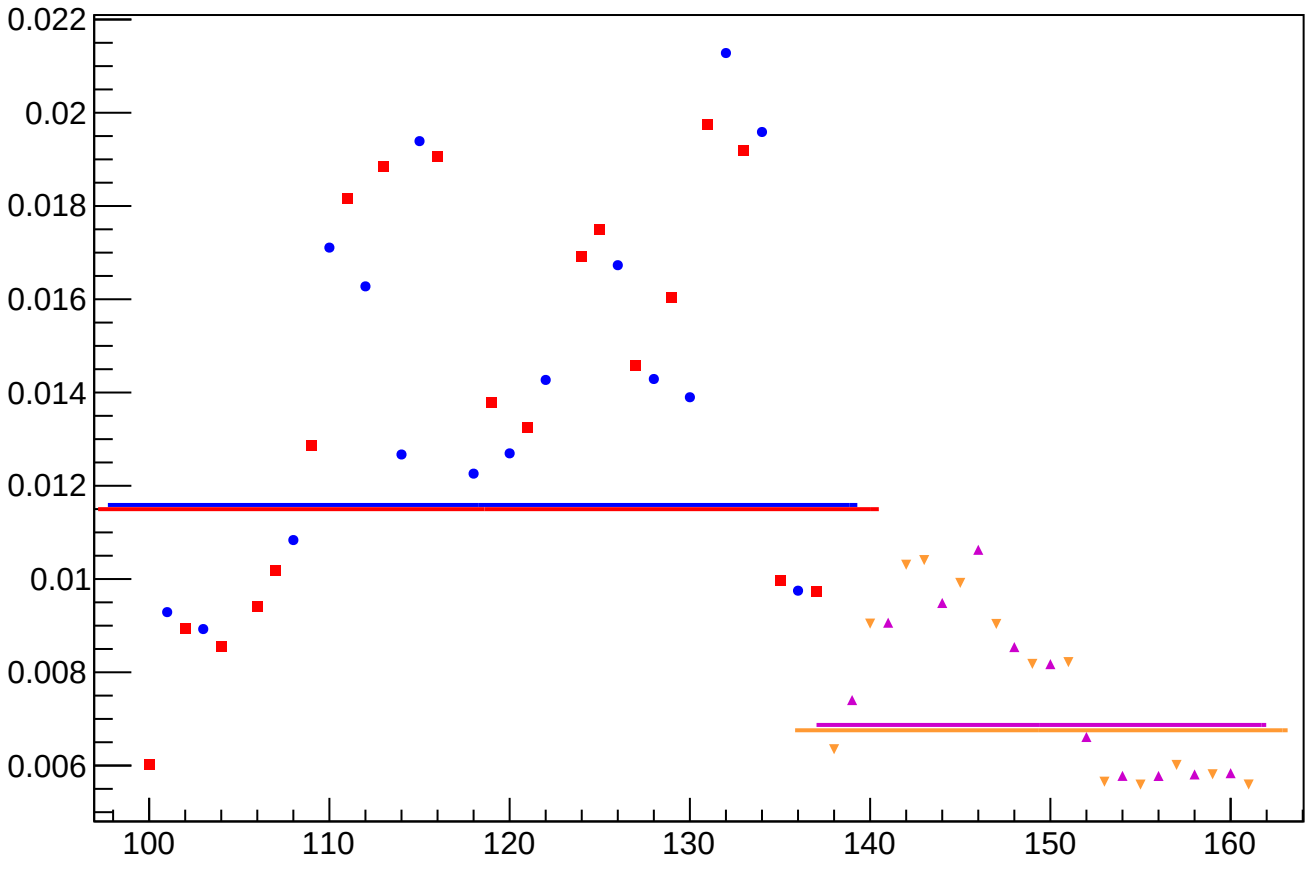
Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.780+/-0.000 χ^2/NDF:10231532257.9/10

+ sign -0.711+/-0.000 χ^2/NDF: 21335144509.0/28

All: -0.711+/-0.000 χ^2/NDF: 39175299442.8/

- sign -0.710+/-0.000 χ^2/NDF: 17839725238.0/29



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:975927.6/12

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

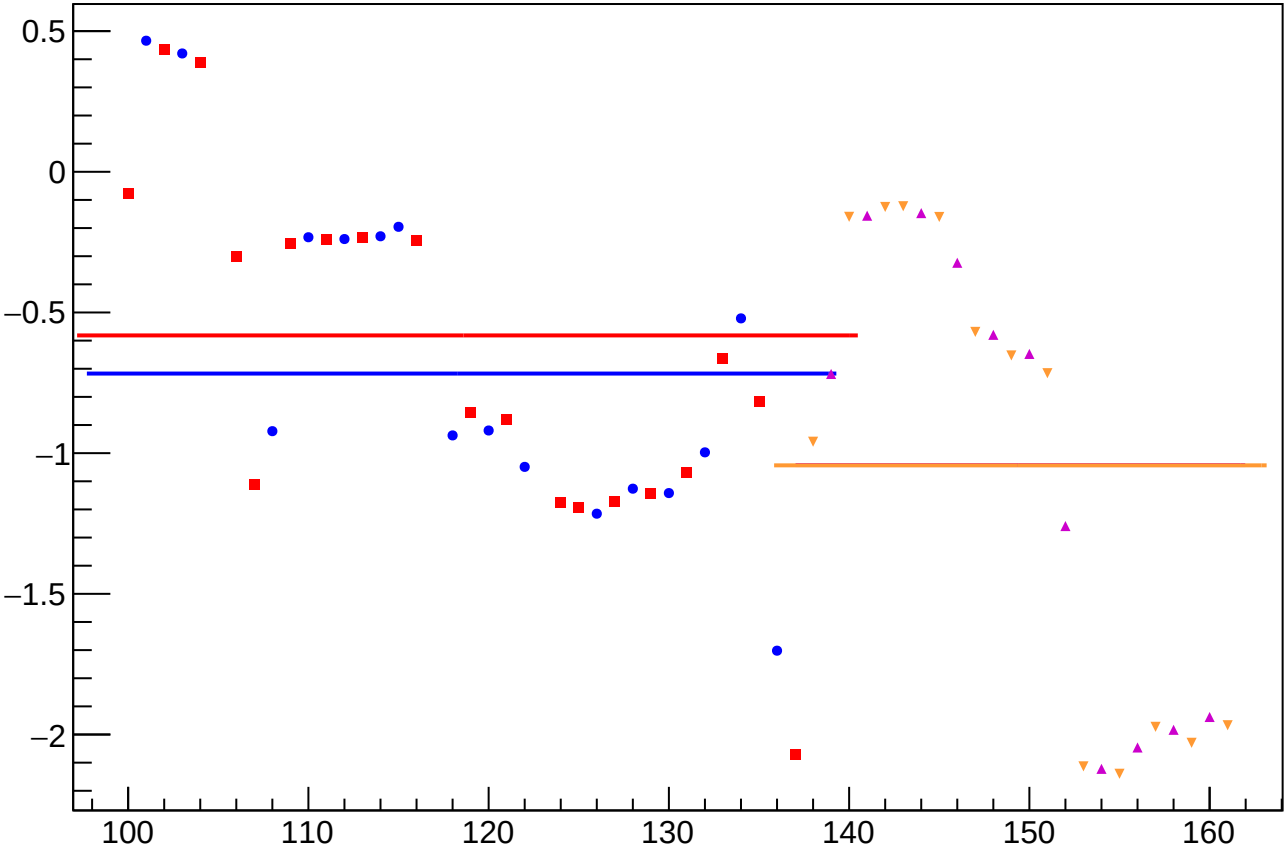
Left In: 0.007+/-0.000 χ^2/NDF:739994.0/10

+ sign 0.008+/-0.000 χ^2/NDF: 3458920.0/28

All: 0.008+/-0.000 χ^2/NDF: 6923898.1/58

- sign 0.008+/-0.000 χ^2/NDF: 3458140.3/29

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.043+/-0.000 χ^2/NDF:915839497.1/12

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

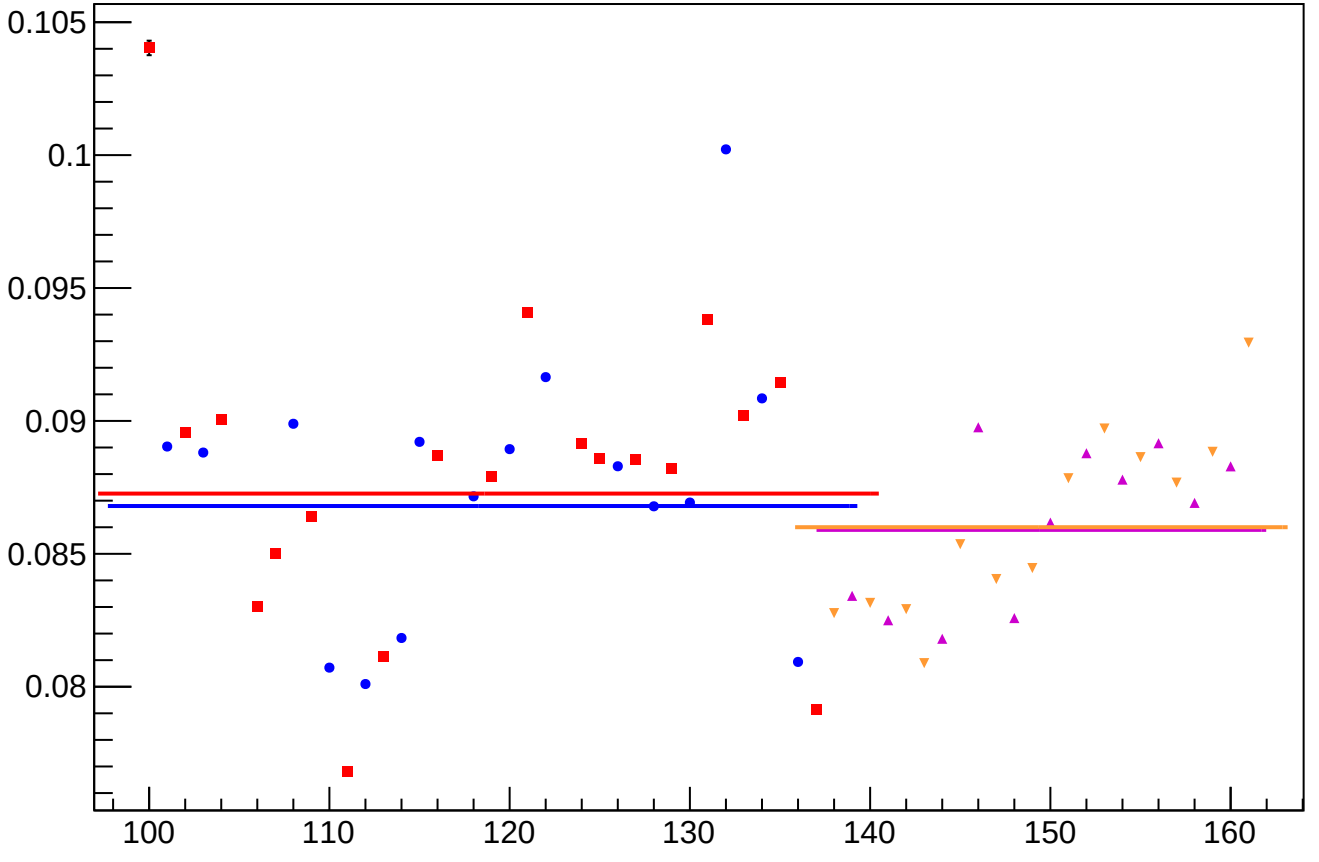
Left In: -1.042+/-0.000 χ^2/NDF:750810605.1/10

+ sign -0.911+/-0.000 χ^2/NDF: 1413407903.9/28

All: -0.877+/-0.000 χ^2/NDF: 2629247347.9/5

- sign -0.843+/-0.000 χ^2/NDF: 1210541985.3/29

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:29947.9/12

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

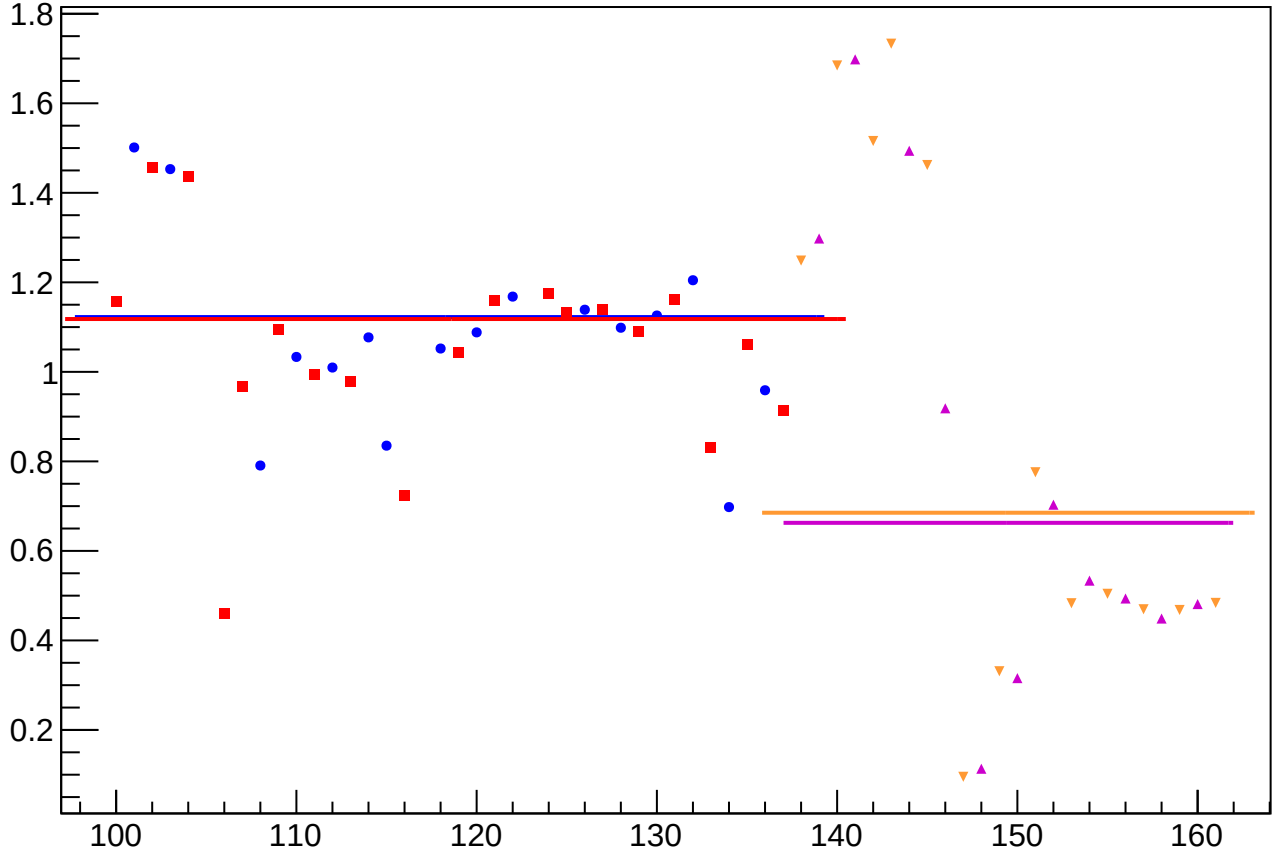
Left In: 0.086+/-0.000 χ^2/NDF:21118.9/10

+ sign 0.086+/-0.000 χ^2/NDF: 74242.0/28

All: 0.086+/-0.000 χ^2/NDF: 143655.0/58

- sign 0.086+/-0.000 χ^2/NDF: 69349.2/29

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.685+/-0.000 χ^2/NDF:27186288848.3/12

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

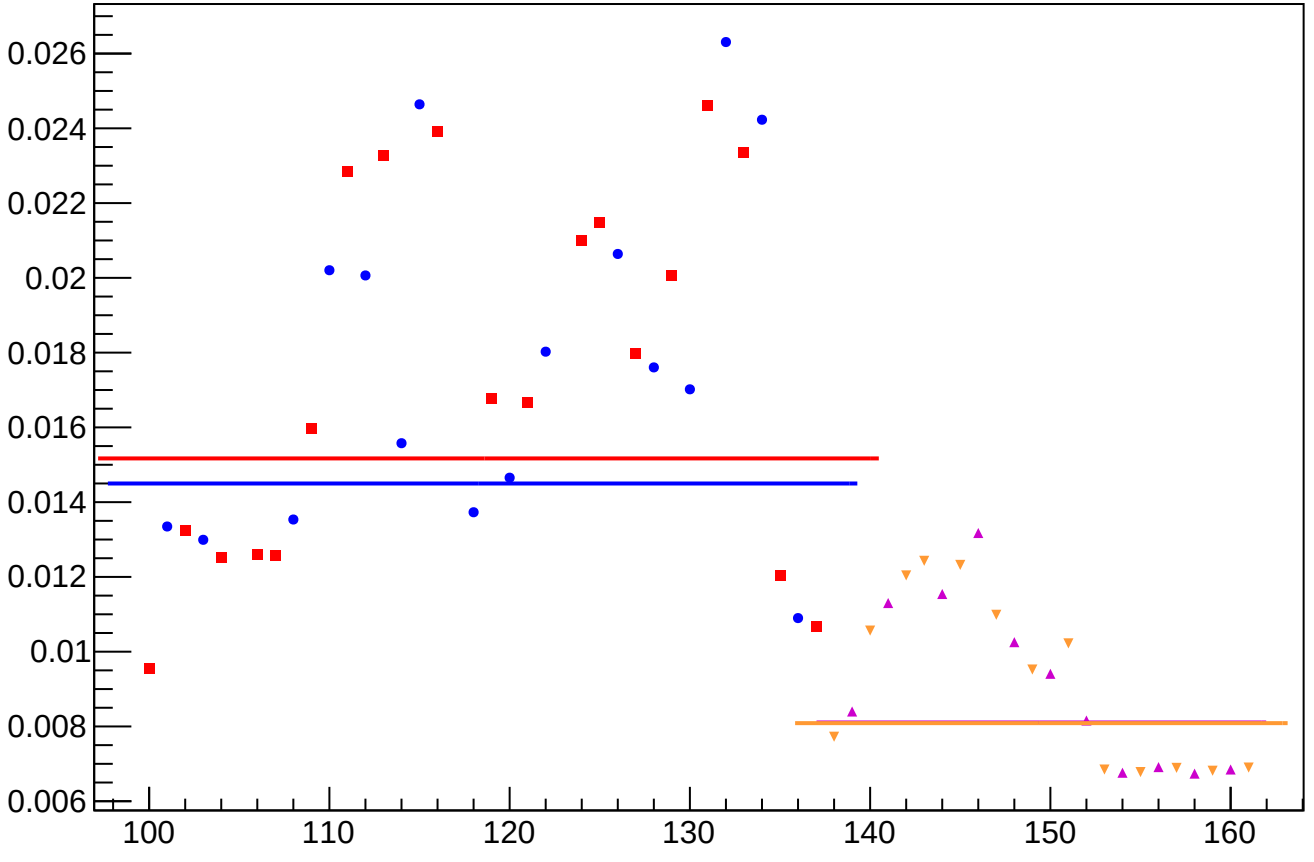
Left In: 0.663+/-0.000 χ^2/NDF:21312914940.6/10

+ sign 0.758+/-0.000 χ^2/NDF: 33162578275.3/28

All: 0.749+/-0.000 χ^2/NDF: 60660537544.4/5

- sign 0.740+/-0.000 χ^2/NDF: 27471216547.5/29

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:995703.7/12

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

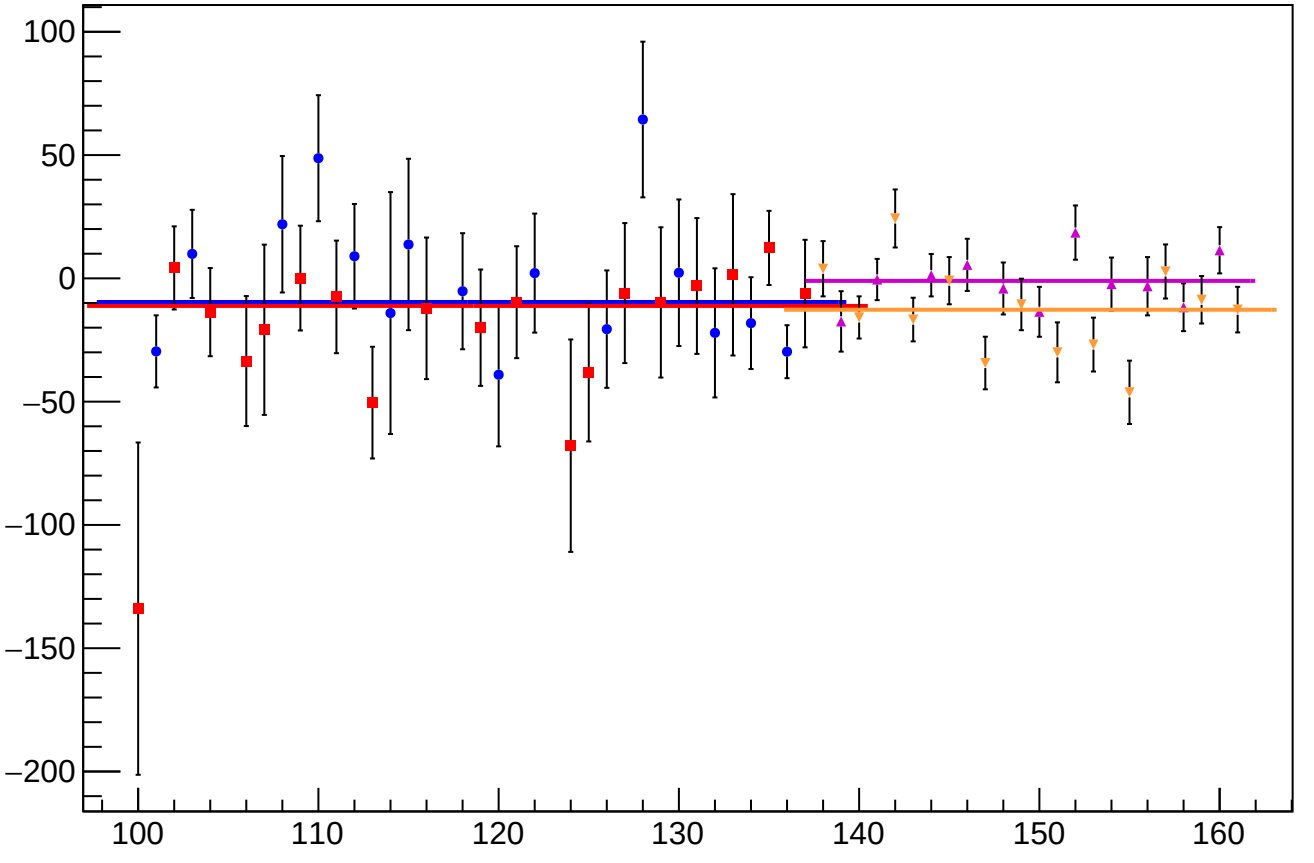
Left In: 0.008+/-0.000 χ^2/NDF:838731.8/10

+ sign 0.009+/-0.000 χ^2/NDF: 3651292.1/28

All: 0.009+/-0.000 χ^2/NDF: 7566135.0/58

- sign 0.009+/-0.000 χ^2/NDF: 3911201.3/29

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -12.729+/-2.857 χ^2/NDF:30.8/12

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

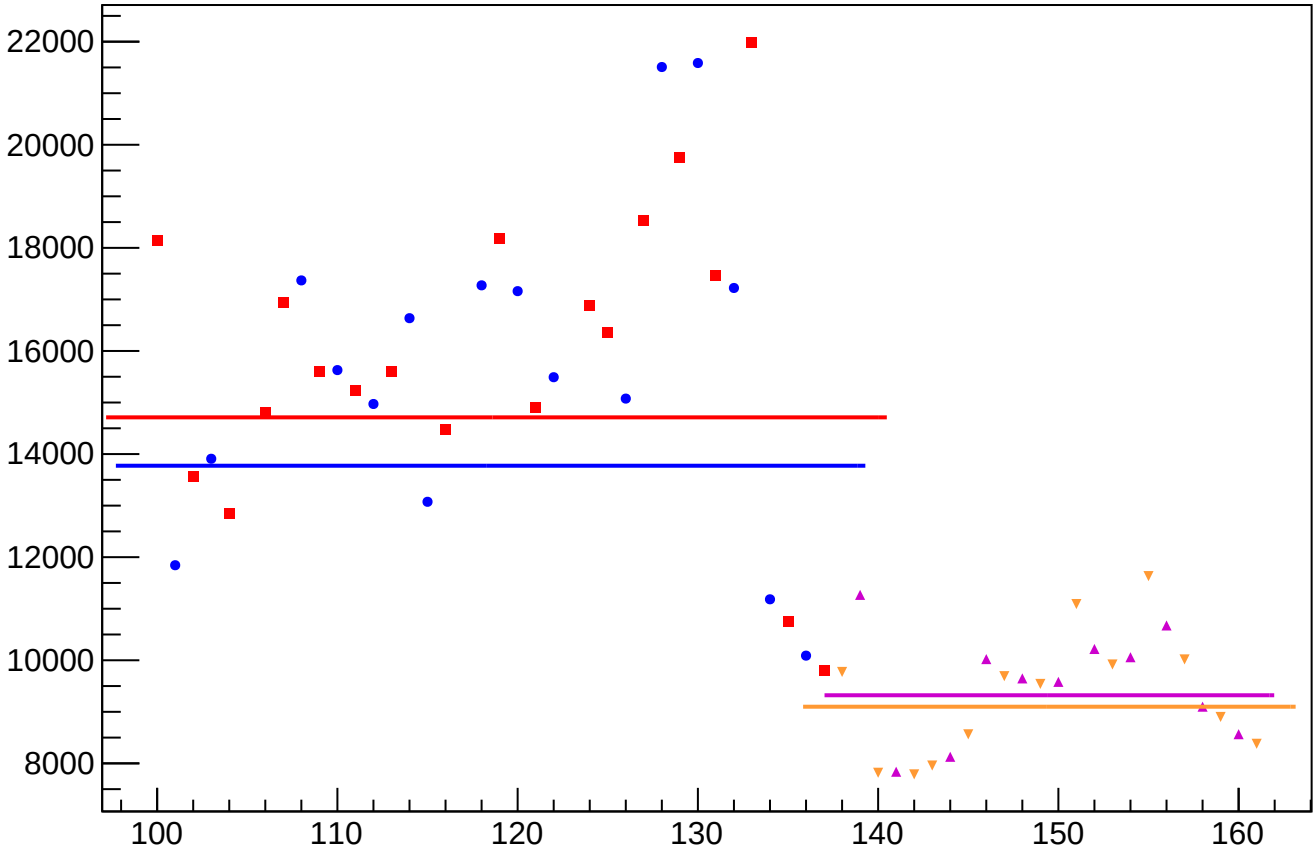
Left In: -1.021+/-3.040 χ^2/NDF:10.1/10

+ sign -12.018+/-2.514 χ^2/NDF: 53.0/28

All: -7.953+/-1.827 χ^2/NDF: 85.1/58

- sign -3.400+/-2.660 χ^2/NDF: 26.5/29

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9099.199+/-2.020 χ^2/NDF:295913.6/12

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

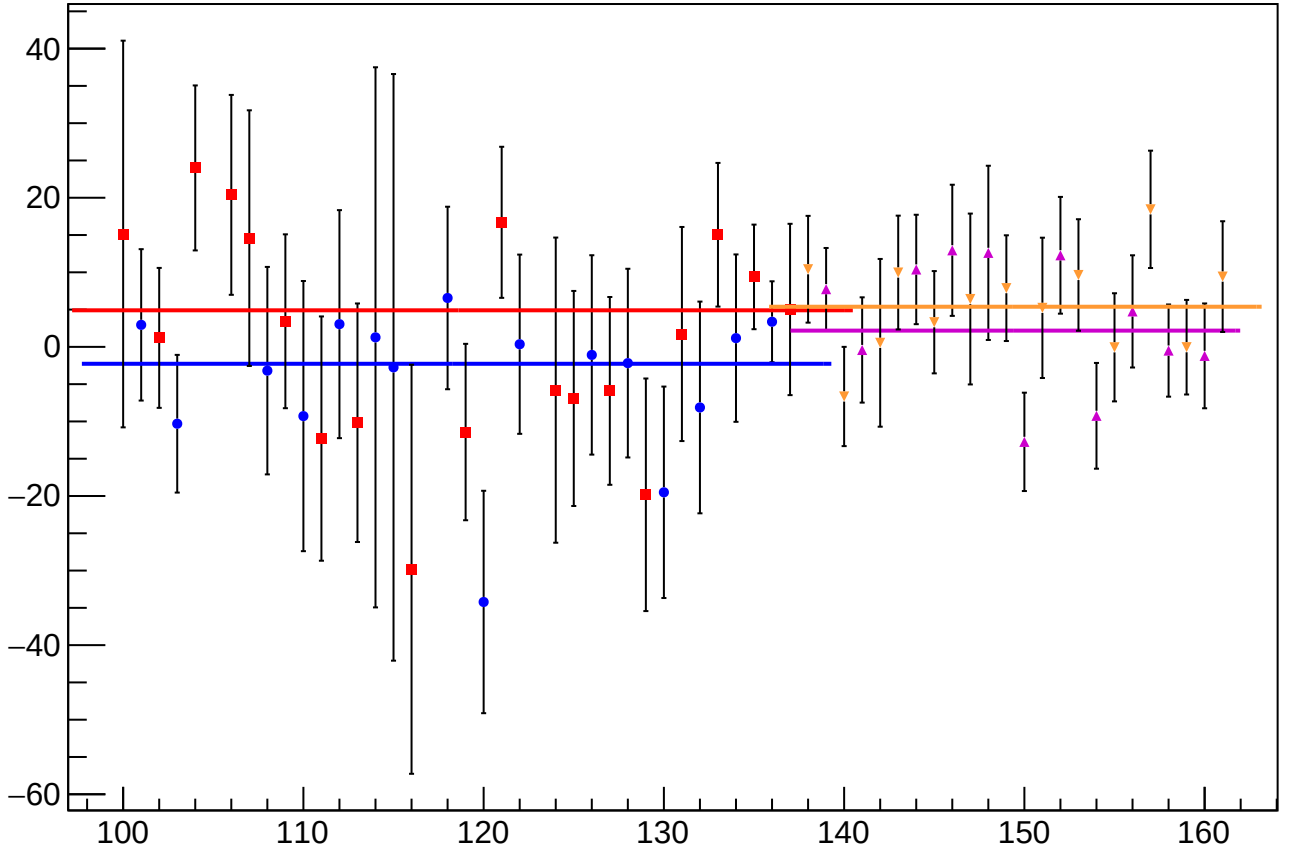
Left In: 9321.353+/-2.150 χ^2/NDF:226848.5/10

+ sign 10154.603+/-1.778 χ^2/NDF: 2252374.1/28

All: 10357.142+/-1.292 χ^2/NDF: 4536947.7/5

- sign 10583.978+/-1.881 χ^2/NDF: 2257051.2/29

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 5.384+/-2.116 χ^2/NDF:9.2/12

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

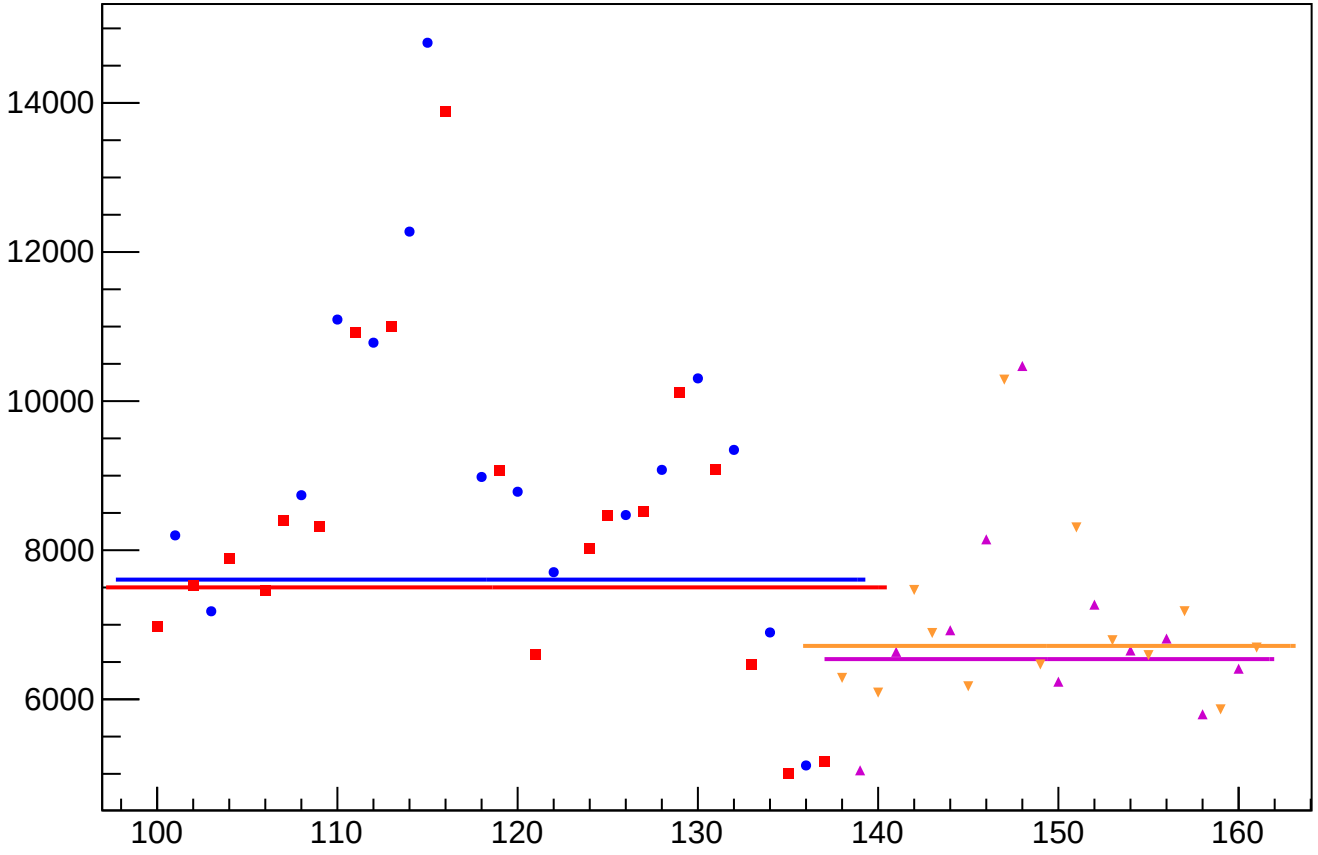
Left In: 2.181+/-2.157 χ^2/NDF:14.6/10

+ sign 2.752+/-1.714 χ^2/NDF: 23.0/28

All: 2.965+/-1.213 χ^2/NDF: 55.8/58

- sign 3.179+/-1.717 χ^2/NDF: 32.8/29

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6716.268+/-1.497 χ^2/NDF:345056.3/12

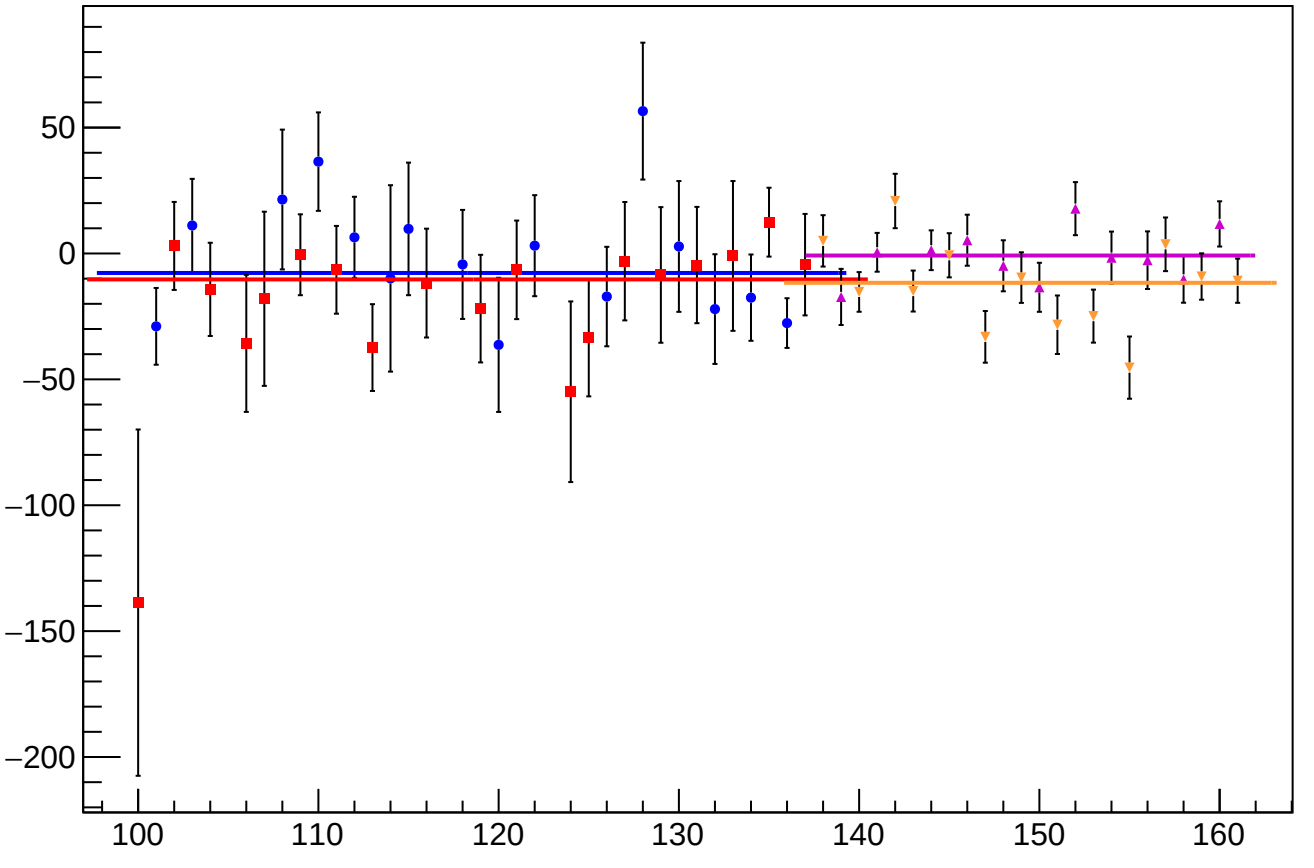
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6539.157+/-1.525 χ^2/NDF:499487.3/10

+ sign 7022.316+/-1.212 χ^2/NDF: 1358092.2/28

All: 6957.181+/-0.858 χ^2/NDF: 2832831.5/58

- sign 6891.838+/-1.214 χ^2/NDF: 1468954.0/29



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -11.645+/-2.688 χ^2/NDF:31.3/12

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

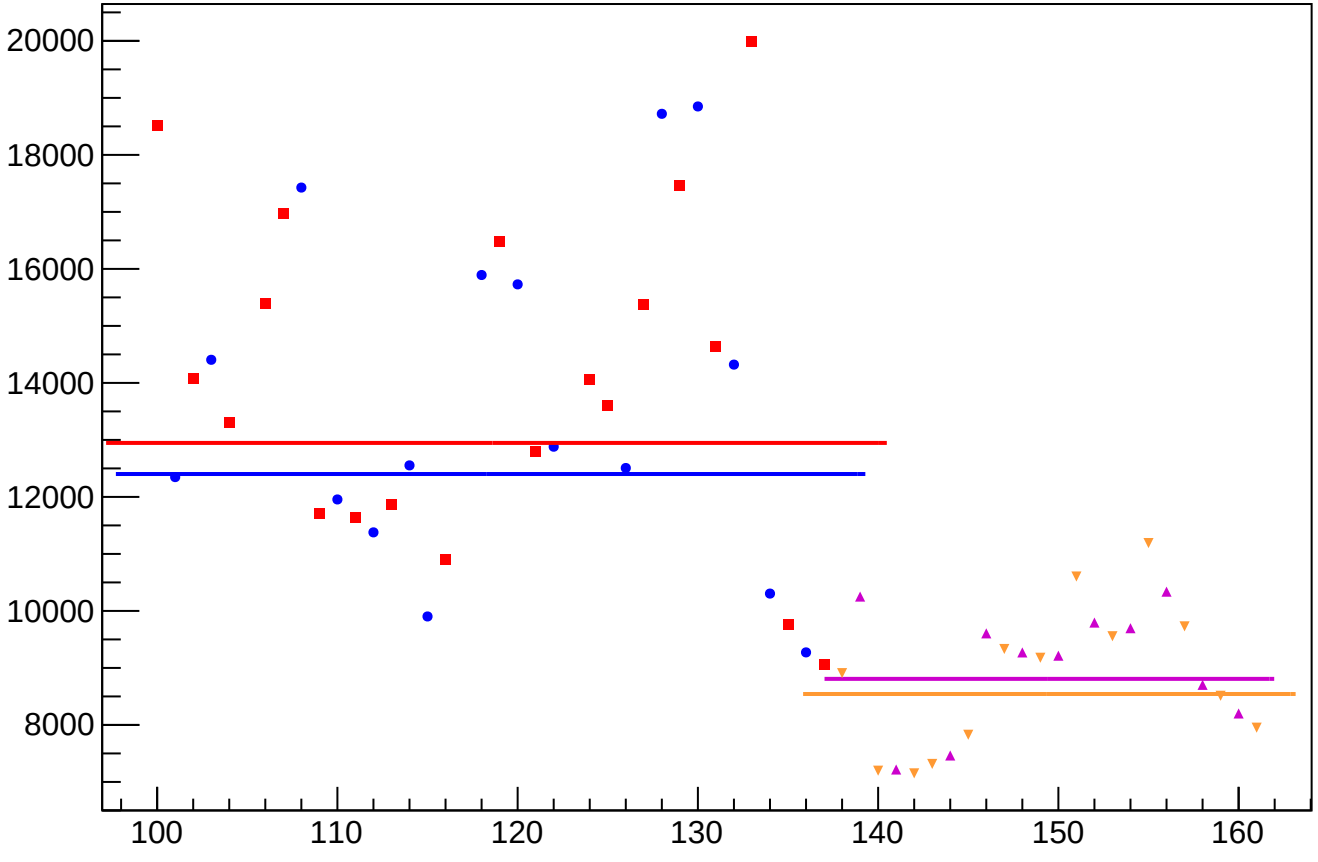
Left In: -0.815+/-2.876 χ^2/NDF:10.6/10

+ sign -10.697+/-2.339 χ^2/NDF: 54.4/28

All: -7.200+/-1.699 χ^2/NDF: 86.6/58

- sign -3.293+/-2.473 χ^2/NDF: 27.4/29

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8542.724+/-1.901 χ^2/NDF:379919.5/12

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

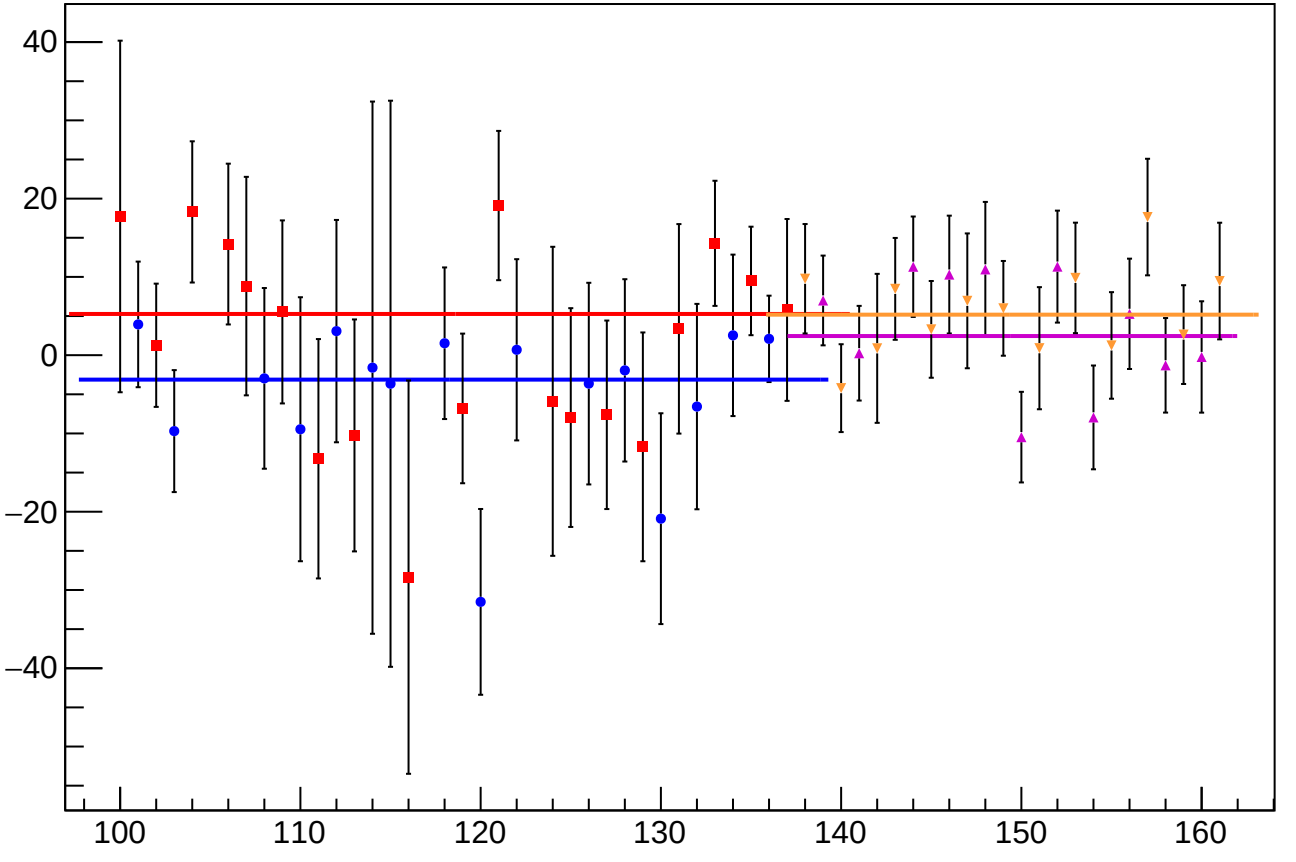
Left In: 8808.151+/-2.034 χ^2/NDF:274042.8/10

+ sign 9479.446+/-1.654 χ^2/NDF: 2058661.0/28

All: 9672.633+/-1.202 χ^2/NDF: 3997838.8/58

- sign 9888.444+/-1.748 χ^2/NDF: 1910301.0/29

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 5.176+/-1.914 χ^2/NDF:8.2/12

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

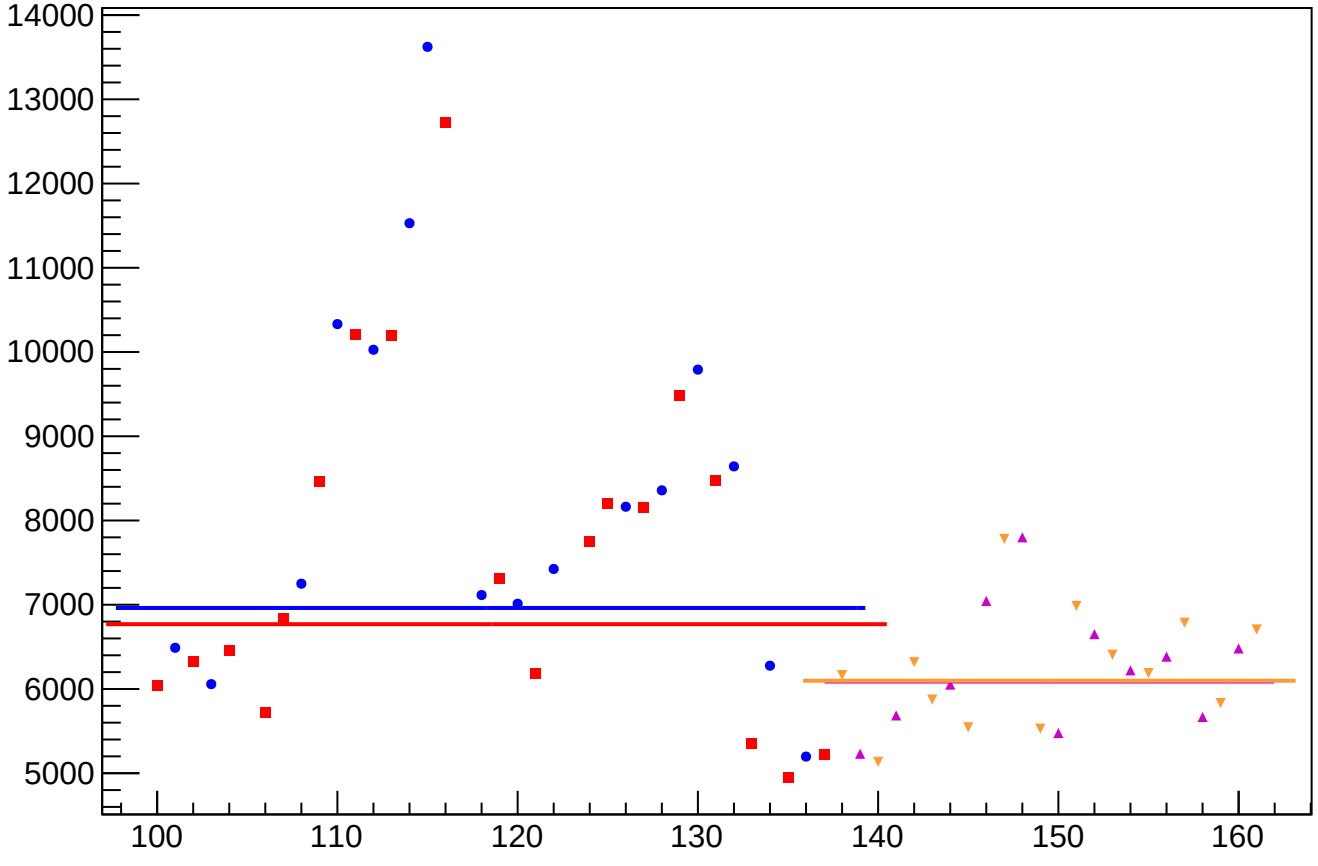
Left In: 2.445+/-1.990 χ^2/NDF:14.4/10

+ sign 2.340+/-1.553 χ^2/NDF: 25.5/28

All: 2.919+/-1.104 χ^2/NDF: 57.9/58

- sign 3.510+/-1.569 χ^2/NDF: 32.1/29

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6098.108+/-1.353 χ^2/NDF:236704.6/12

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

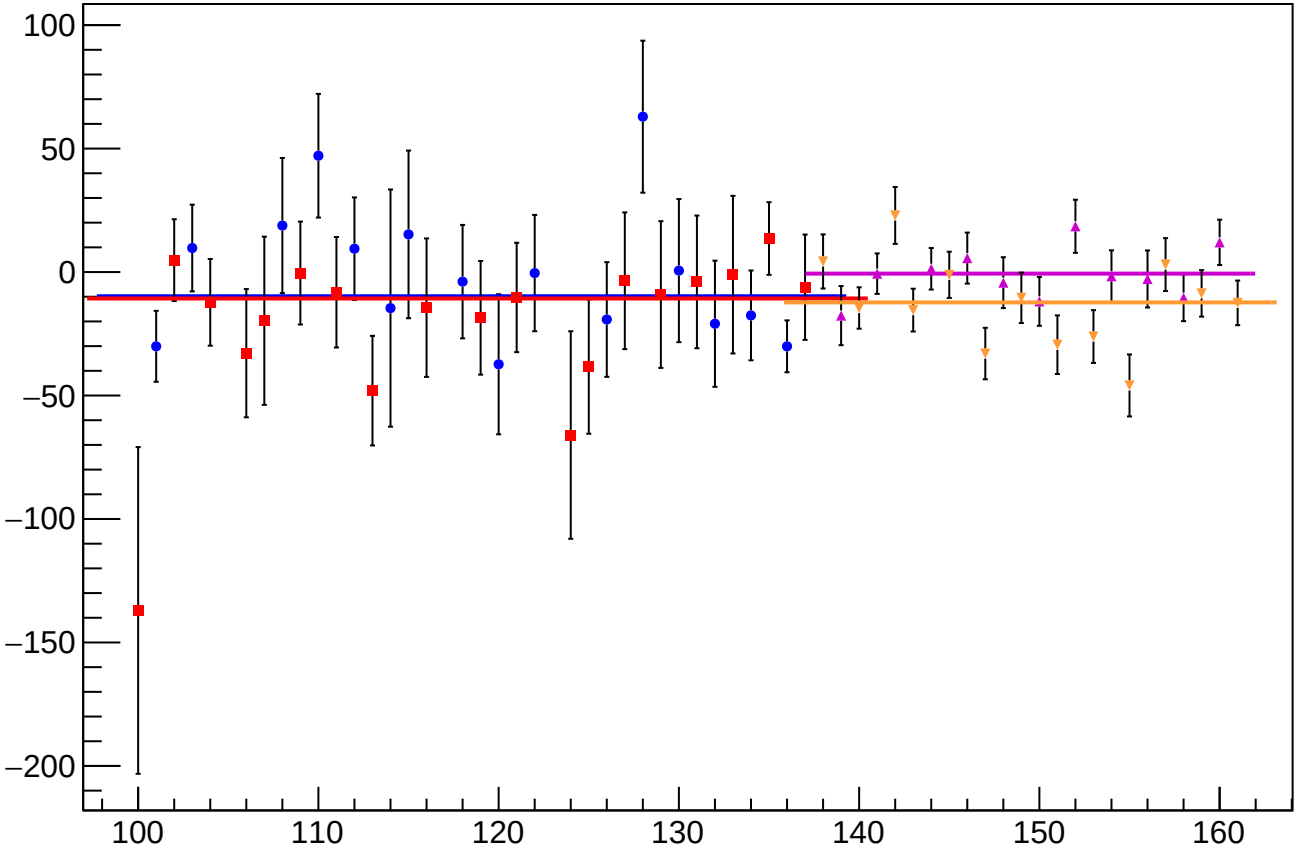
Left In: 6087.940+/-1.407 χ^2/NDF:219649.0/10

+ sign 6393.226+/-1.098 χ^2/NDF: 1072296.9/28

All: 6369.501+/-0.780 χ^2/NDF: 2179544.1/58

- sign 6345.260+/-1.110 χ^2/NDF: 1106303.0/29

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -12.291+/-2.794 χ^2/NDF:30.4/12

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

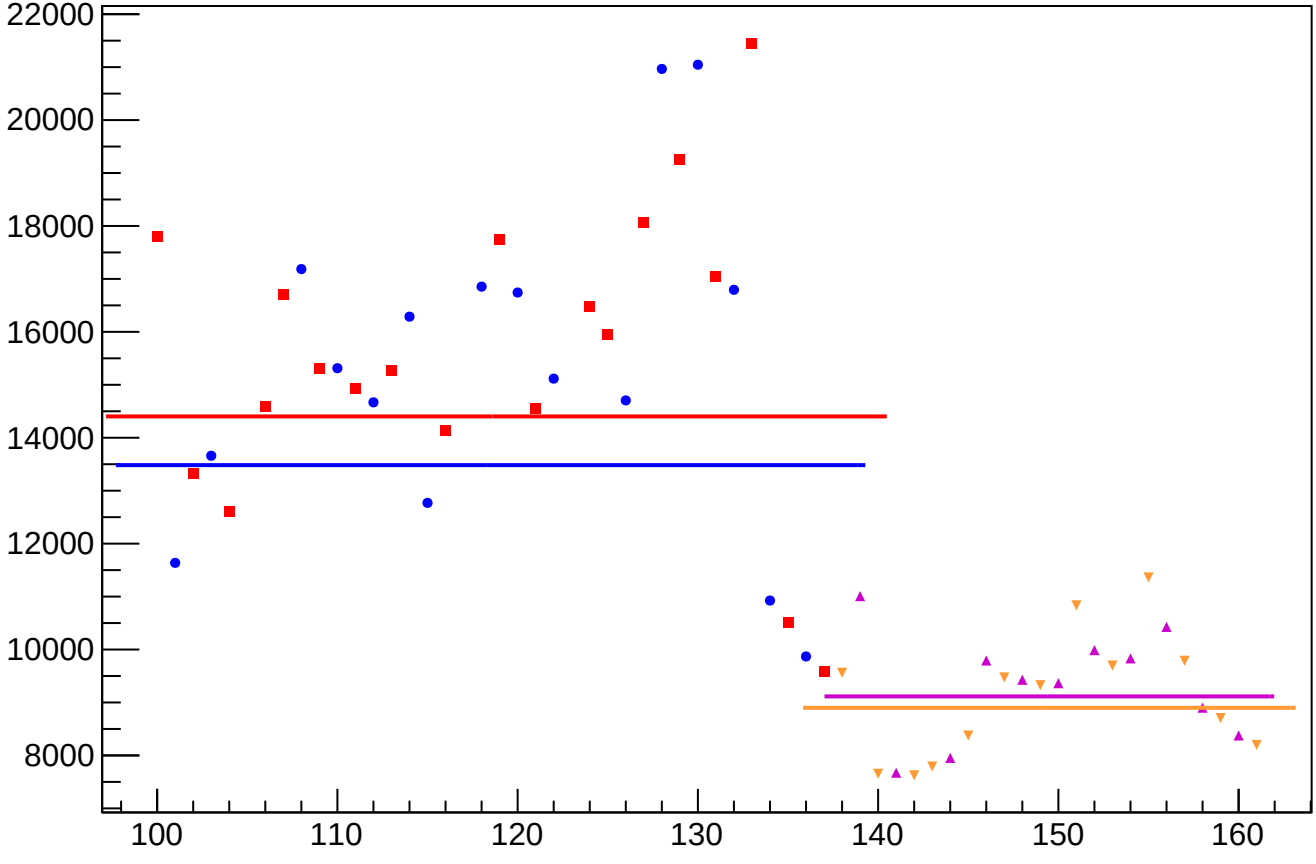
Left In: -0.637+/-2.972 χ^2/NDF:10.0/10

+ sign -11.732+/-2.459 χ^2/NDF: 52.6/28

All: -7.608+/-1.787 χ^2/NDF: 85.6/58

- sign -2.990+/-2.602 χ^2/NDF: 27.0/29

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8899.974+/-1.976 χ^2/NDF:292723.8/12

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

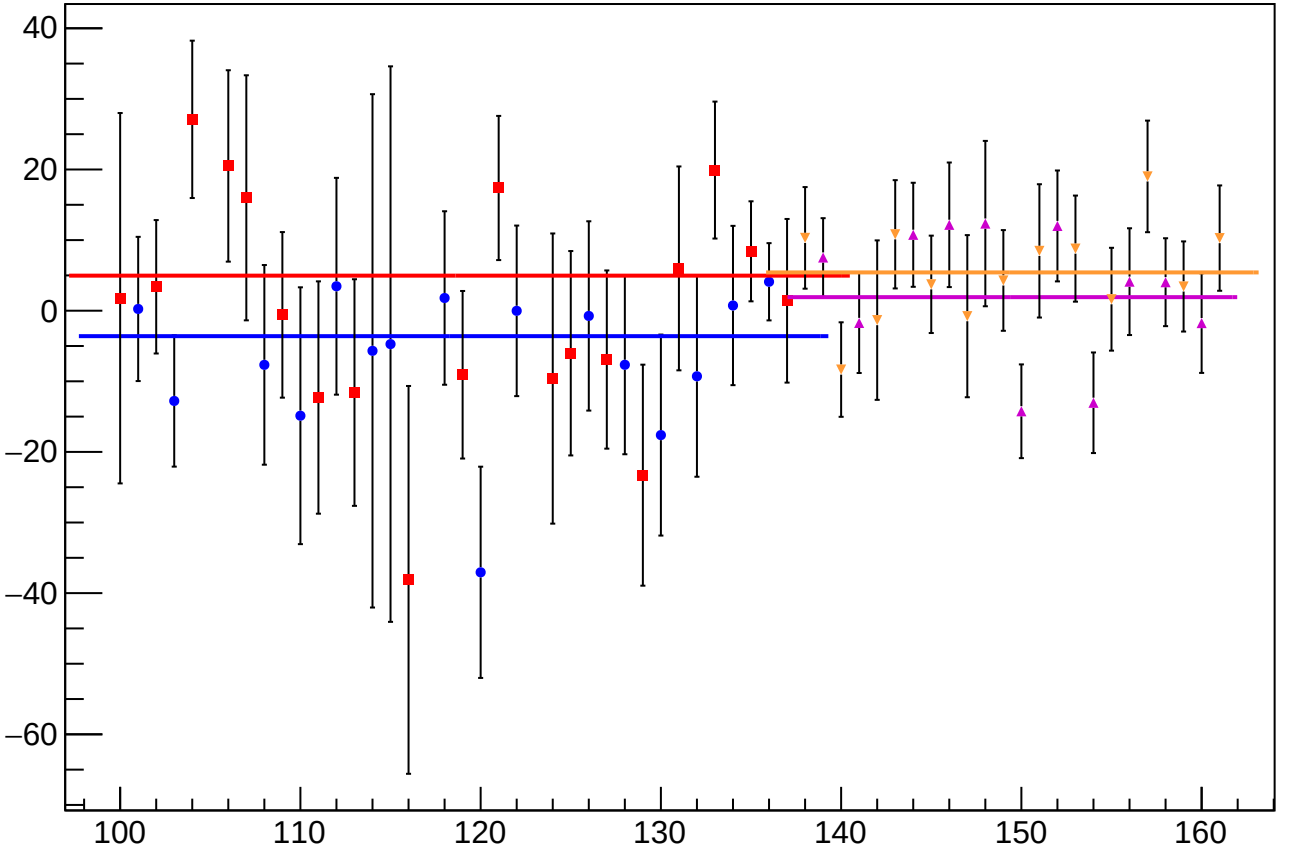
Left In: 9114.883+/-2.102 χ^2/NDF:224106.0/10

+ sign 9933.447+/-1.739 χ^2/NDF: 2249804.5/28

All: 10130.605+/-1.264 χ^2/NDF: 4533526.4/5

- sign 10351.347+/-1.840 χ^2/NDF: 2256468.4/29

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 5.422+/-2.127 χ^2/NDF:10.0/12

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

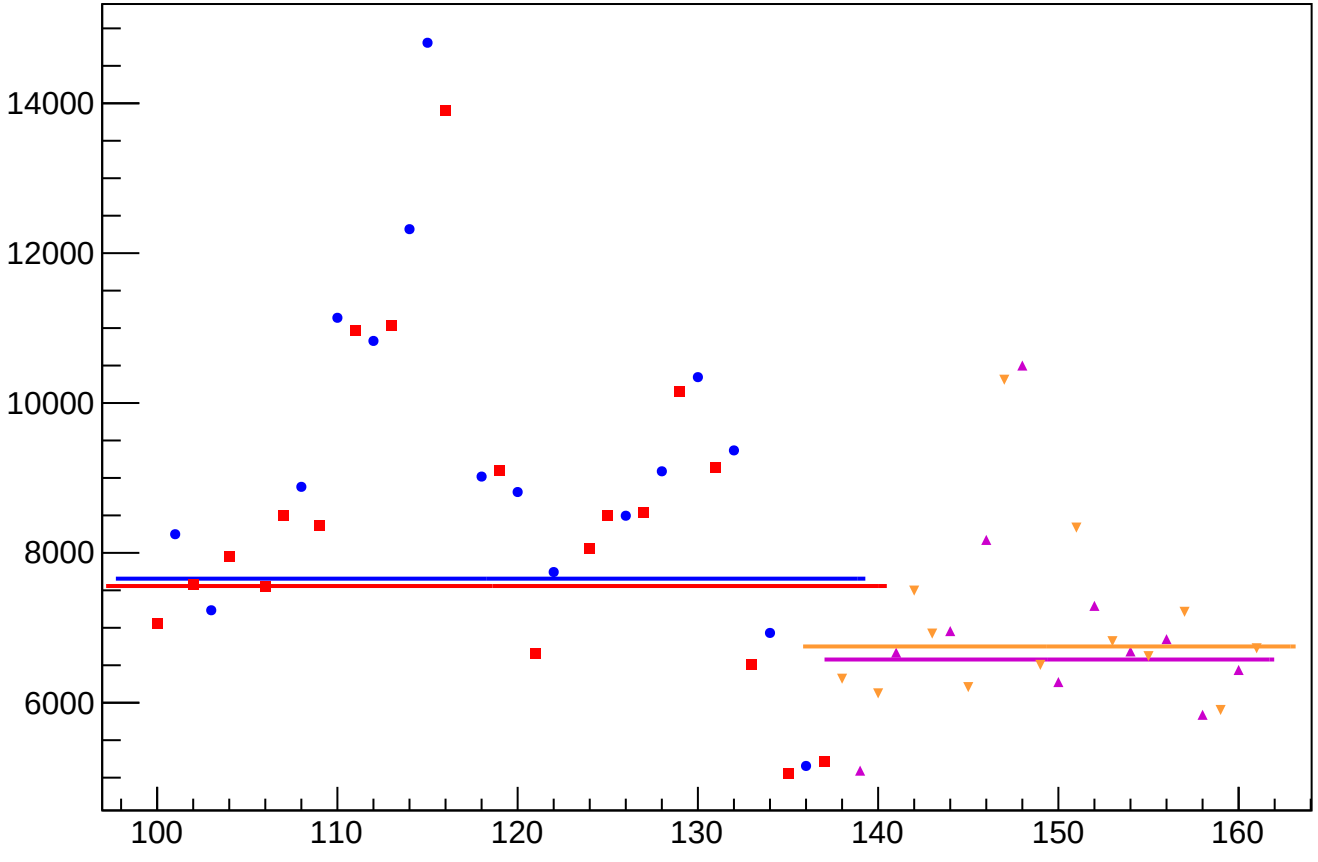
Left In: 1.919+/-2.169 χ^2/NDF:17.3/10

+ sign 2.320+/-1.723 χ^2/NDF: 26.7/28

All: 2.676+/-1.220 χ^2/NDF: 66.2/58

- sign 3.034+/-1.727 χ^2/NDF: 39.4/29

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6750.846+/-1.504 χ^2/NDF:340835.2/12

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

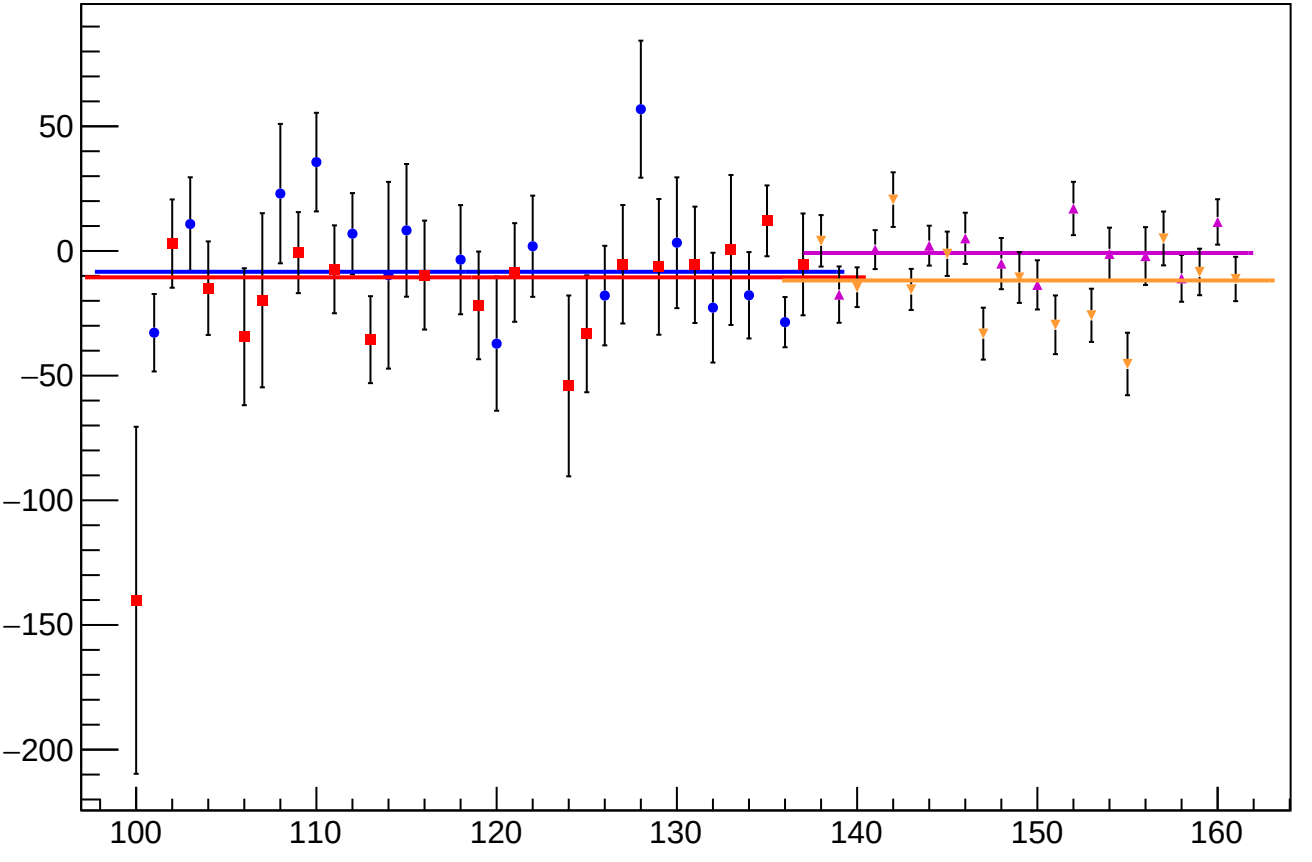
Left In: 6576.637+/-1.533 χ^2/NDF:490058.3/10

+ sign 7061.768+/-1.218 χ^2/NDF: 1345013.3/28

All: 6998.732+/-0.863 χ^2/NDF: 2799967.2/58

- sign 6935.421+/-1.221 χ^2/NDF: 1449589.8/29

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -11.825+/-2.724 χ^2/NDF:30.8/12

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

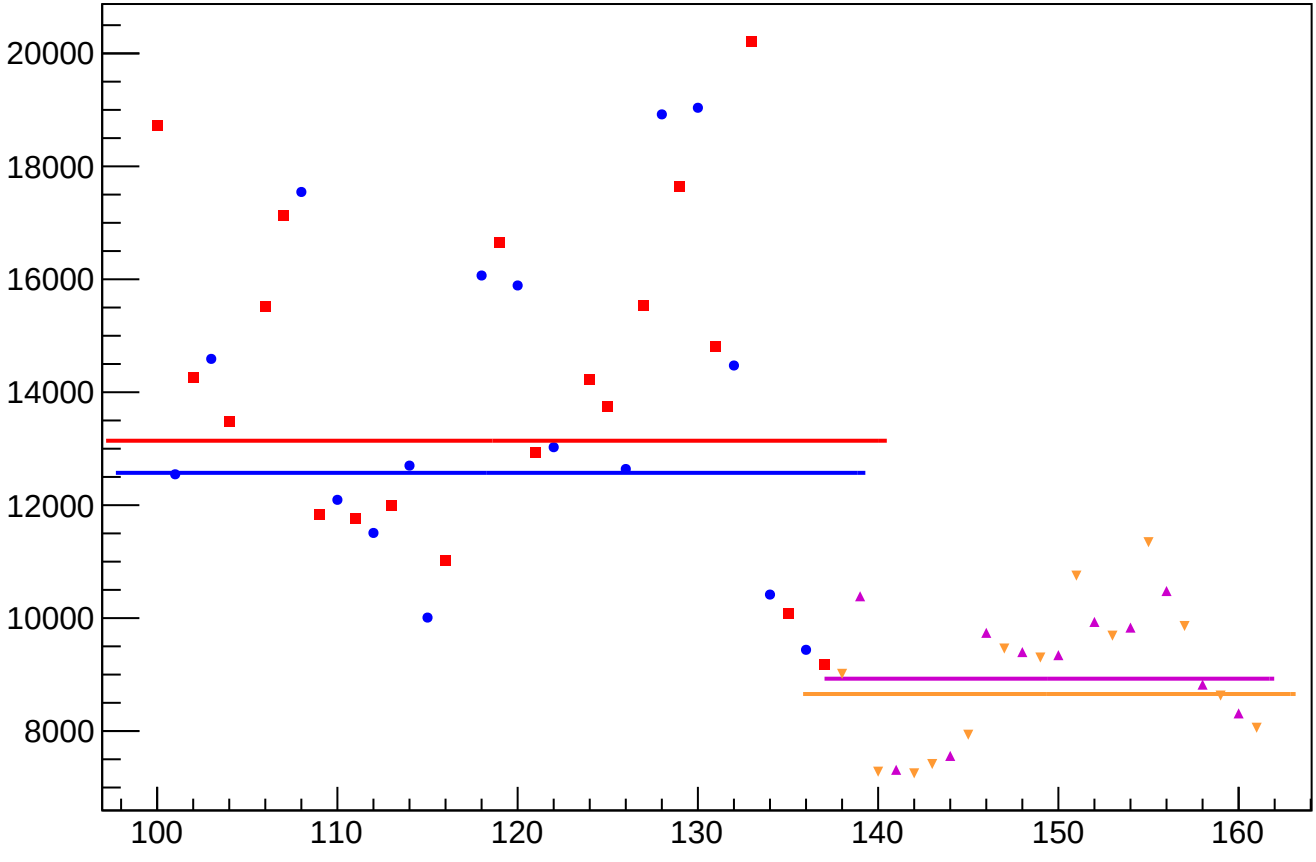
Left In: -0.807+/-2.915 χ^2/NDF:10.4/10

+ sign -10.982+/-2.371 χ^2/NDF: 54.4/28

All: -7.380+/-1.722 χ^2/NDF: 85.5/58

- sign -3.352+/-2.507 χ^2/NDF: 26.2/29

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8656.122+/-1.926 χ^2/NDF:381419.5/12

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

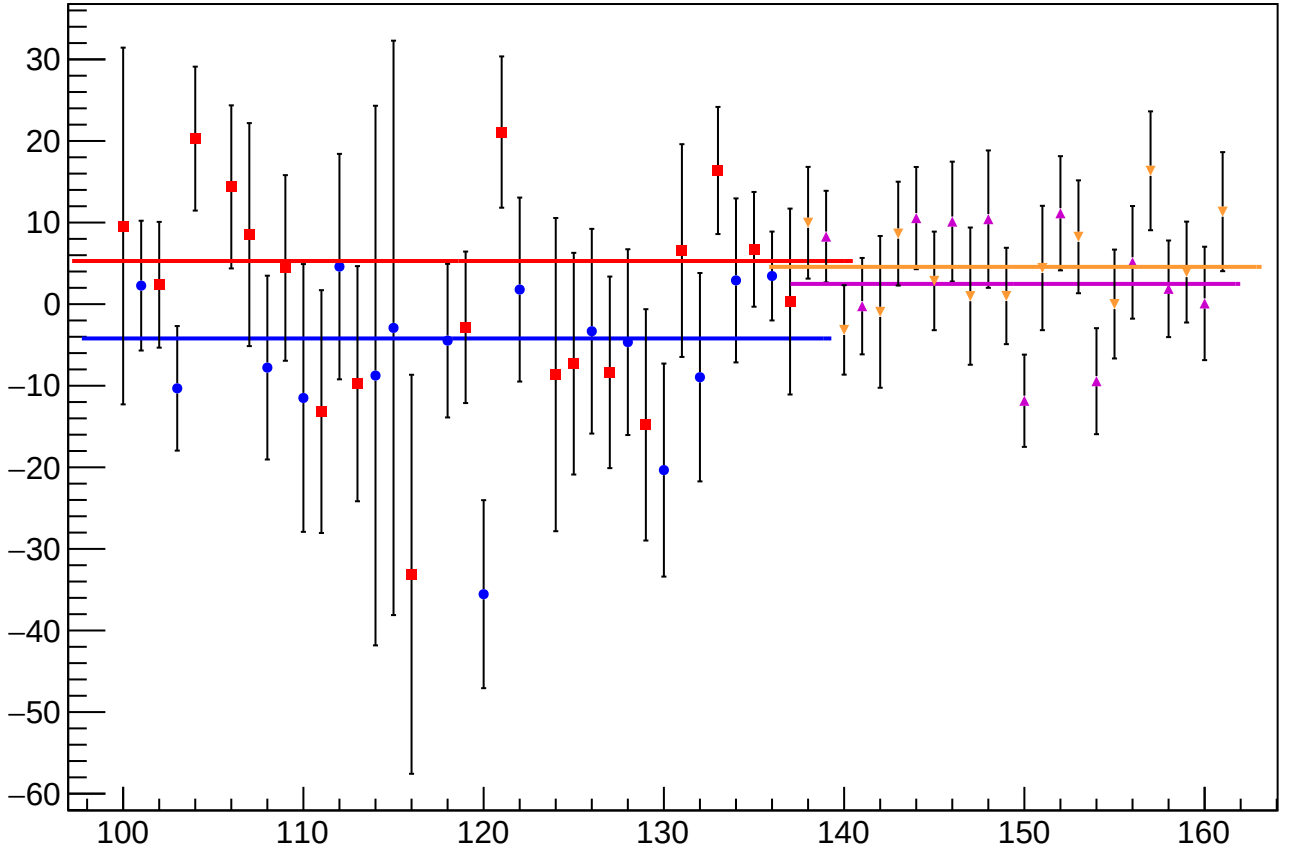
Left In: 8927.354+/-2.061 χ^2/NDF:275139.3/10

+ sign 9606.075+/-1.676 χ^2/NDF: 2049222.1/28

All: 9804.017+/-1.218 χ^2/NDF: 3977481.2/58

- sign 10025.324+/-1.773 χ^2/NDF: 1898728.8/29

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 4.568+/-1.872 χ^2/NDF:8.2/12

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

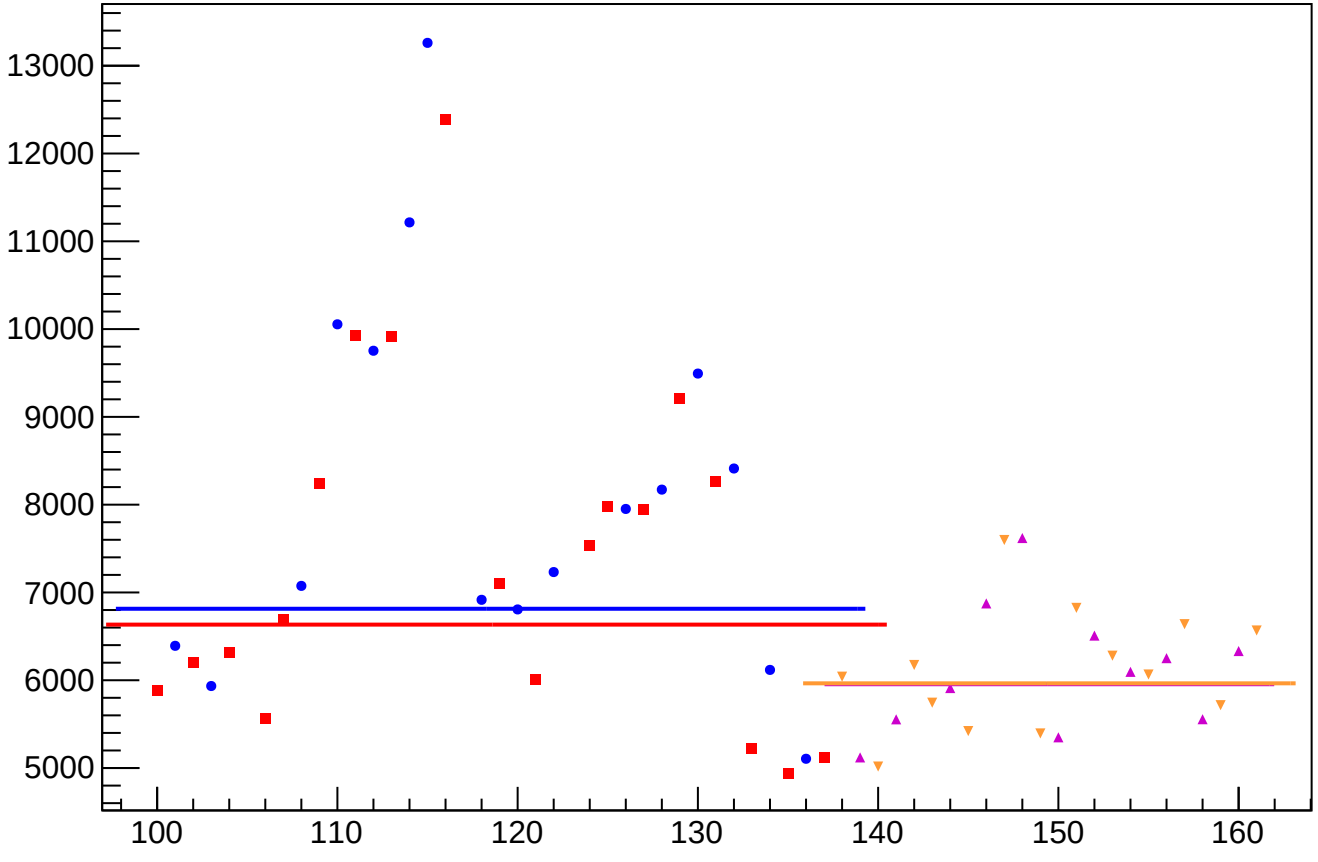
Left In: 2.481+/-1.946 χ^2/NDF:16.5/10

+ sign 1.574+/-1.519 χ^2/NDF: 29.6/28

All: 2.546+/-1.080 χ^2/NDF: 67.4/58

- sign 3.539+/-1.536 χ^2/NDF: 37.0/29

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5964.906+/-1.324 χ^2/NDF:237702.2/12

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

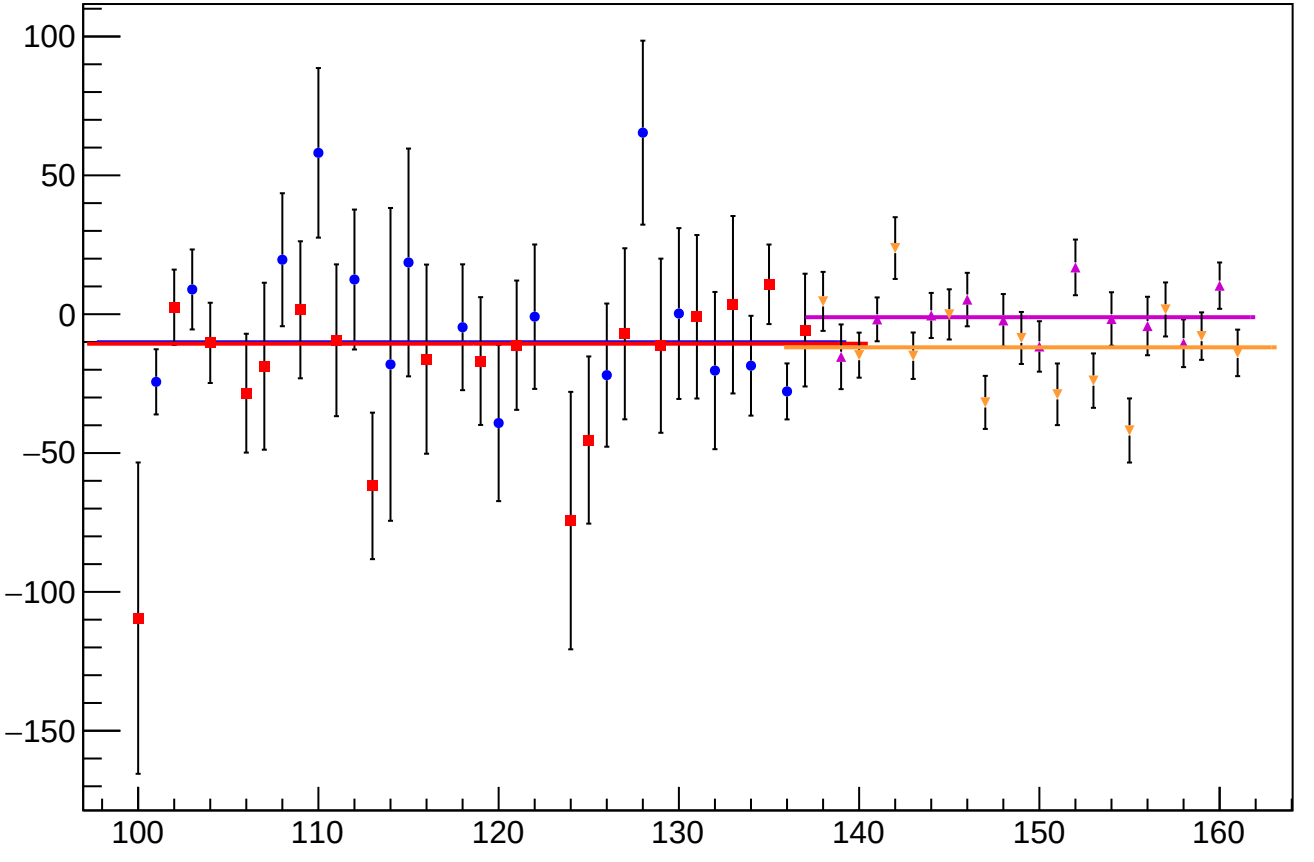
Left In: 5954.571+/-1.376 χ^2/NDF:218040.7/10

+ sign 6254.810+/-1.074 χ^2/NDF: 1052349.8/28

All: 6232.913+/-0.764 χ^2/NDF: 2126393.5/58

- sign 6210.527+/-1.086 χ^2/NDF: 1073203.4/29

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -11.931+/-2.621 χ^2/NDF:32.0/12

Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

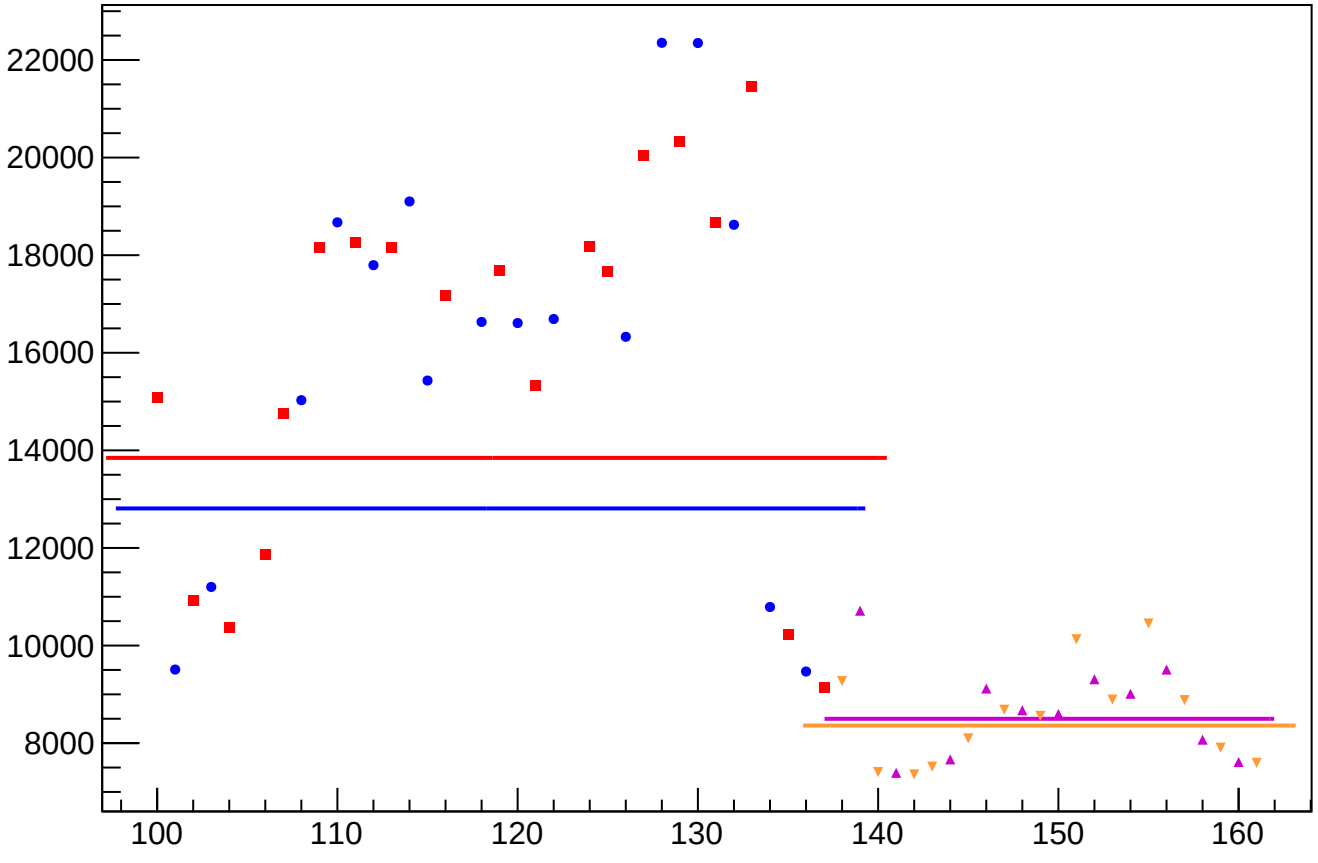
Left In: -1.084+/-2.771 χ^2/NDF:9.6/10

+ sign -11.541+/-2.323 χ^2/NDF: 53.3/28

All: -7.572+/-1.687 χ^2/NDF: 86.5/58

- sign -3.146+/-2.453 χ^2/NDF: 27.0/29

diff_bpm1X_rms vs Slug



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8360.860+/-1.853 χ^2/NDF:234086.0/12

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

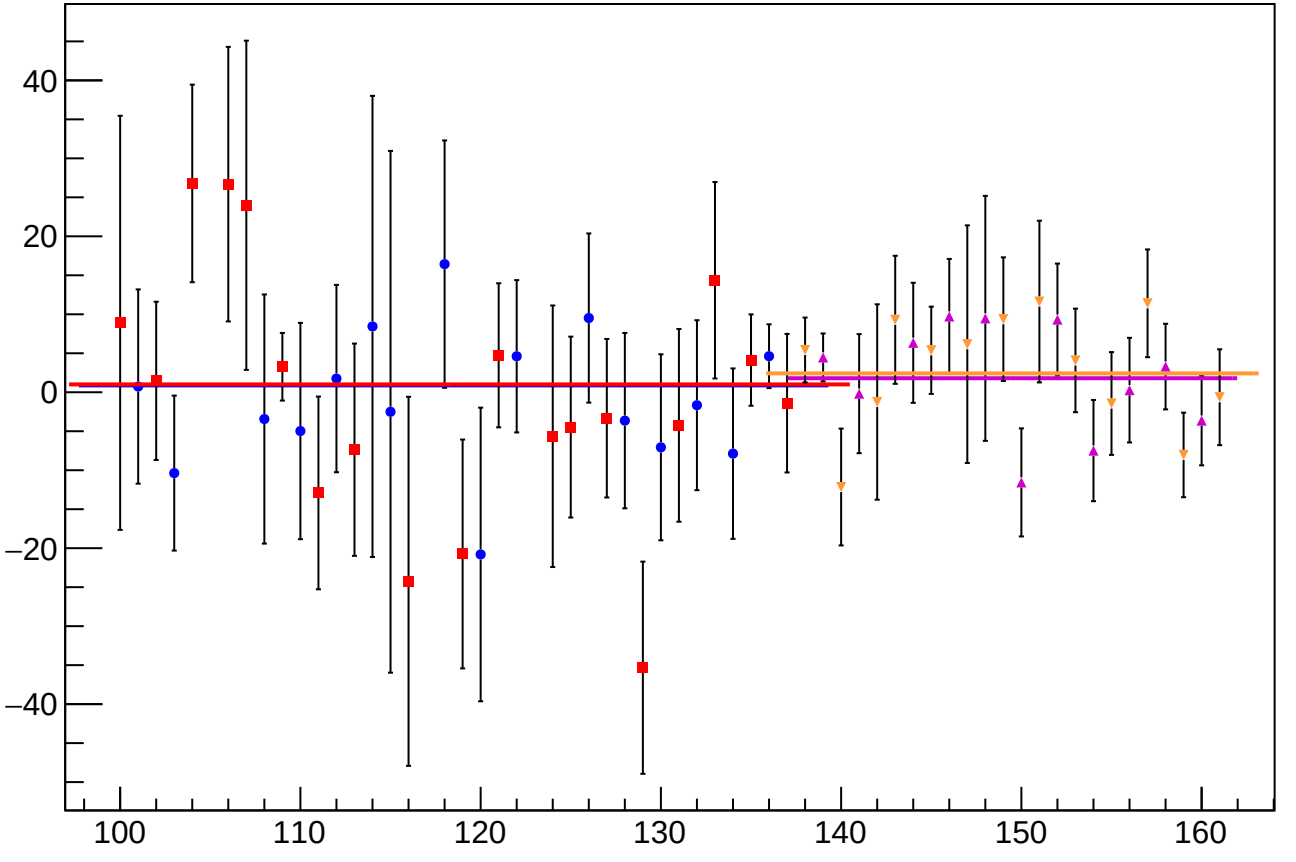
Left In: 8499.020+/-1.959 χ^2/NDF:206399.2/10

+ sign 9314.608+/-1.643 χ^2/NDF: 2717905.2/28

All: 9475.370+/-1.193 χ^2/NDF: 5650656.4/58

- sign 9654.662+/-1.735 χ^2/NDF: 2912489.8/29

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 2.421+/-1.872 χ^2/NDF:13.1/12

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

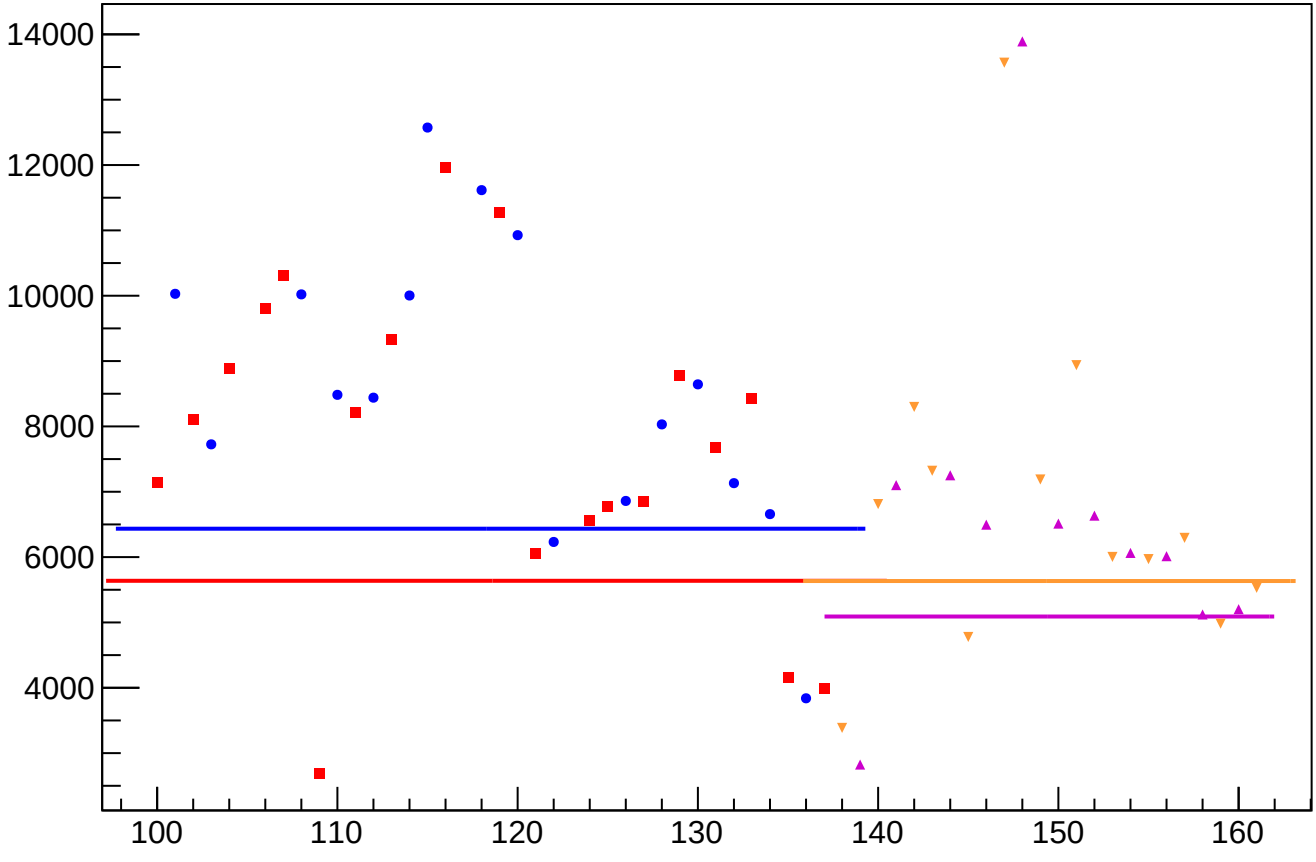
Left In: 1.798+/-1.790 χ^2/NDF:10.4/10

+ sign 1.887+/-1.512 χ^2/NDF: 20.1/28

All: 1.681+/-1.034 χ^2/NDF: 53.0/58

- sign 1.501+/-1.416 χ^2/NDF: 32.8/29

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5633.842+/-1.323 χ^2/NDF:1737591.4/12

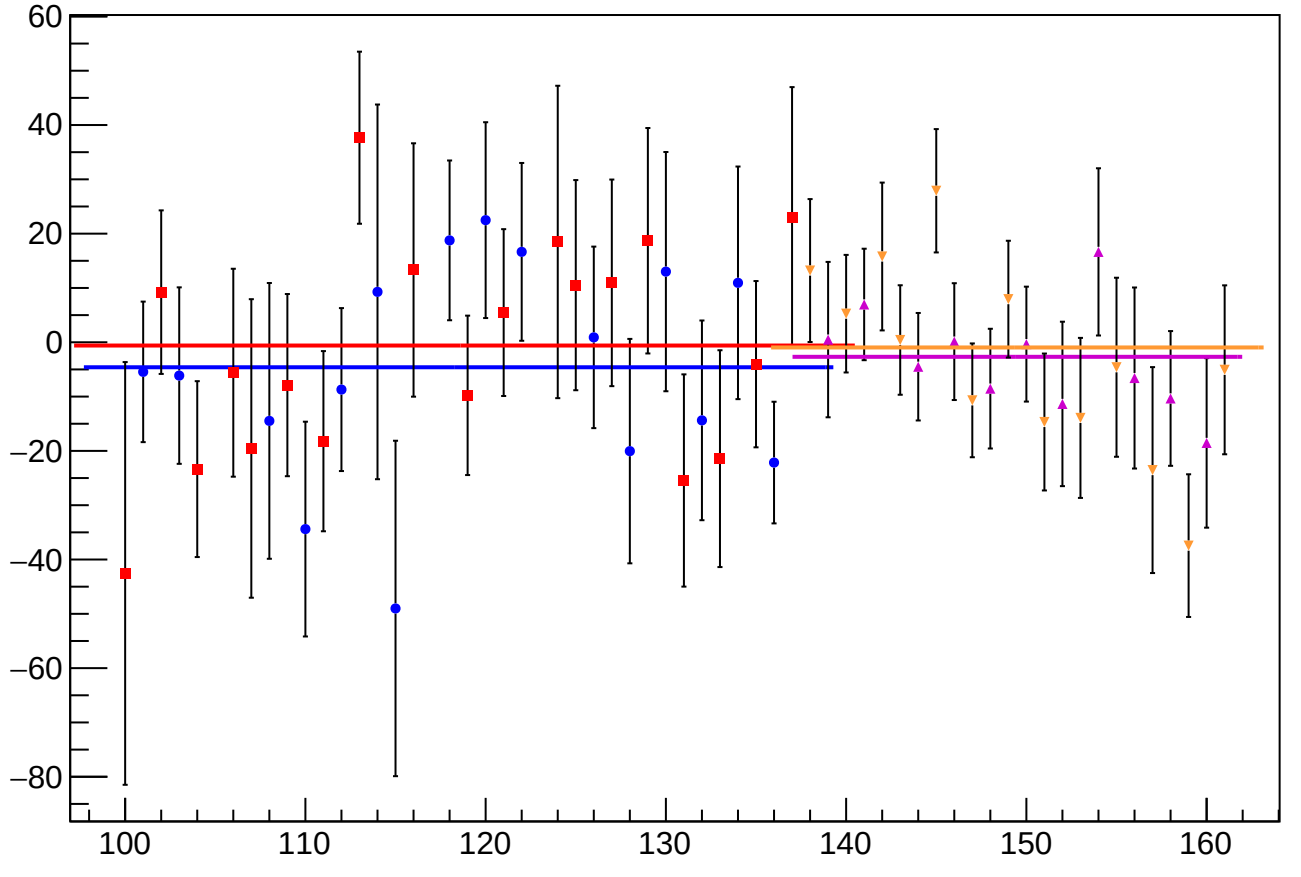
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5090.697+/-1.266 χ^2/NDF:2343920.1/10

+ sign 5911.893+/-1.069 χ^2/NDF: 3615315.4/28

All: 5583.424+/-0.731 χ^2/NDF: 8786192.3/58

- sign 5295.404+/-1.001 χ^2/NDF: 4993757.3/29



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.955+/-3.485 χ^2/NDF:22.2/12

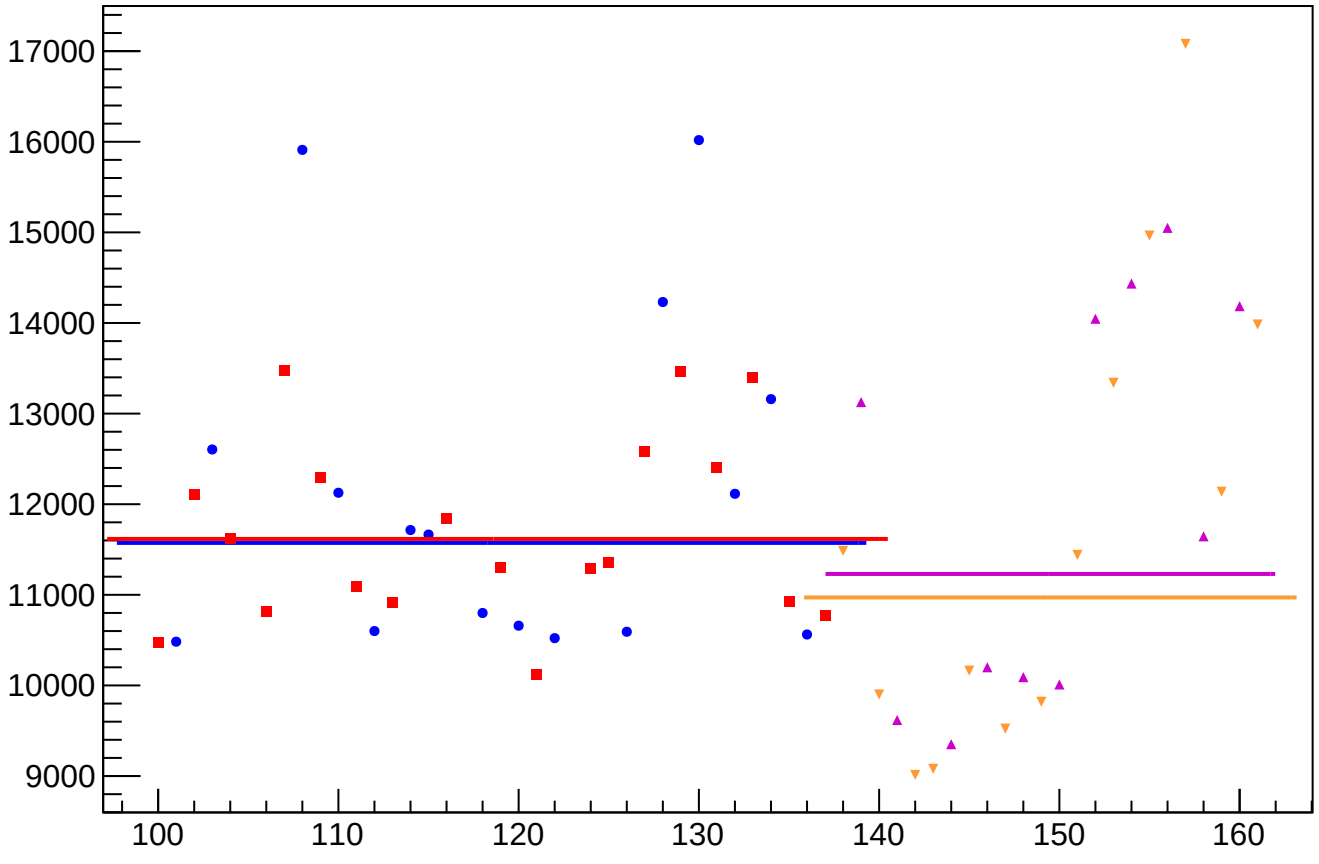
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -2.678+/-3.696 χ^2/NDF:4.7/10

+ sign -2.378+/-2.721 χ^2/NDF: 38.4/28

All: -2.090+/-1.949 χ^2/NDF: 61.2/58

- sign -1.787+/-2.794 χ^2/NDF: 22.8/29



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 10970.989+/-2.464 χ^2/NDF:676051.9/12

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

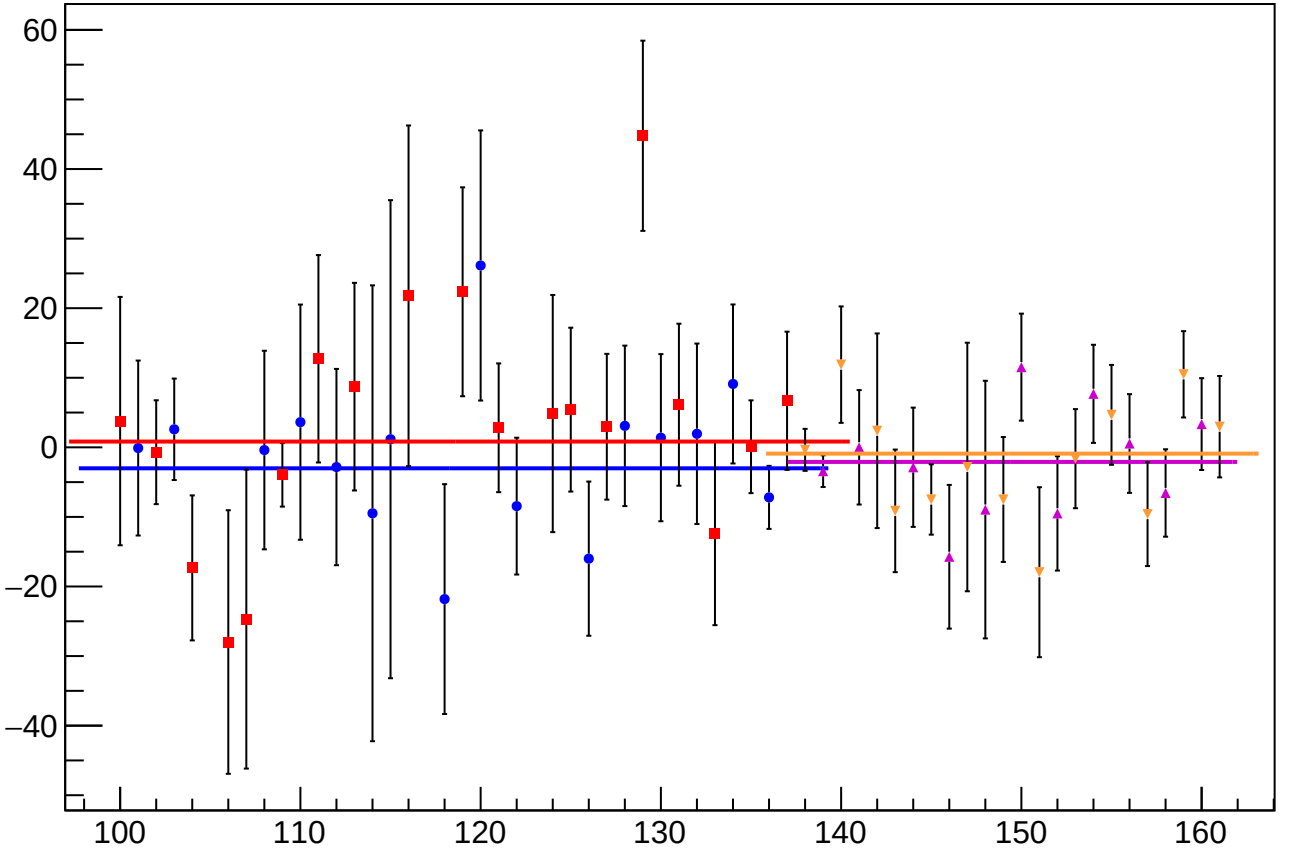
Left In: 11230.450+/-2.614 χ^2/NDF:557703.6/10

+ sign 11206.010+/-1.924 χ^2/NDF: 959427.1/28

All: 11298.536+/-1.378 χ^2/NDF: 1624415.2/5

- sign 11396.096+/-1.975 χ^2/NDF: 660236.0/29

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.903+/-1.810 χ^2/NDF:13.1/12

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

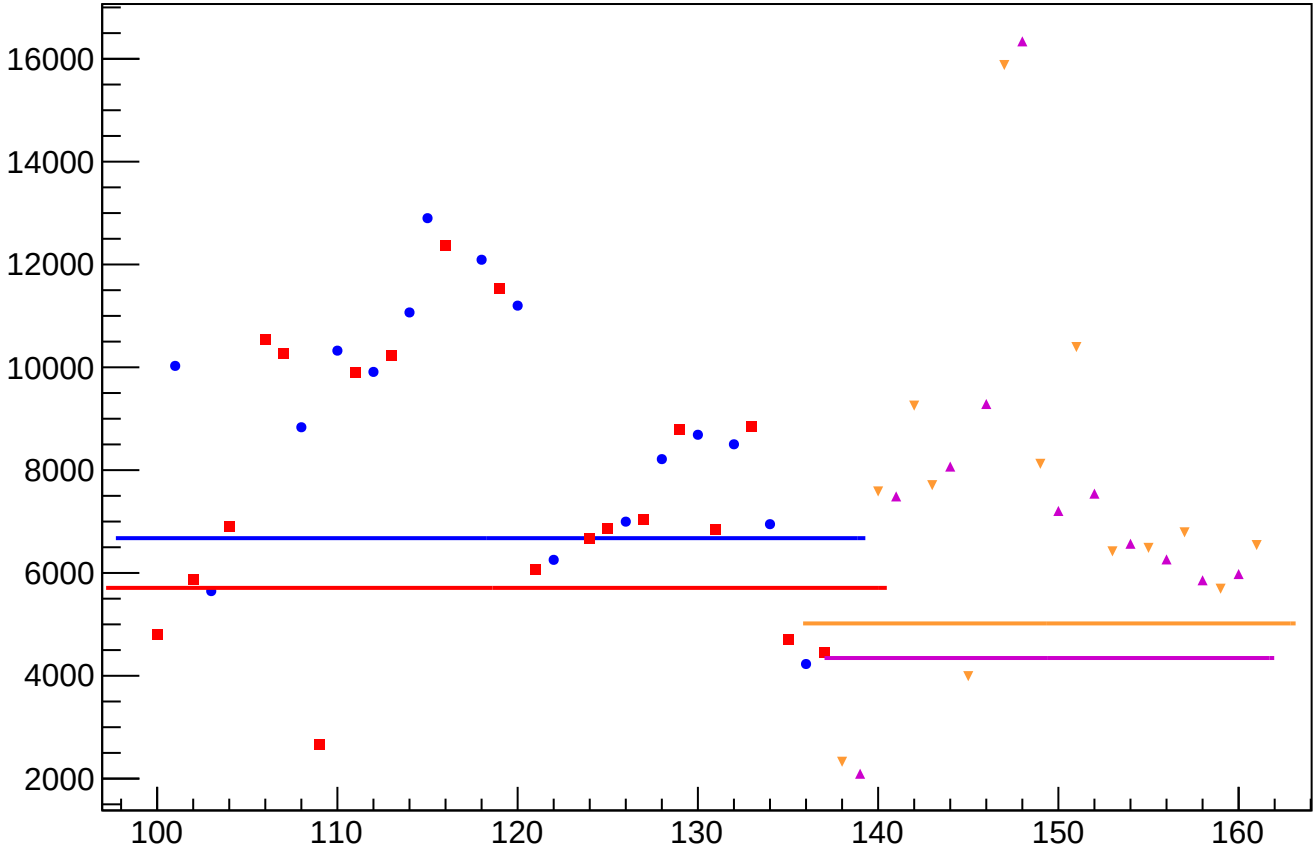
Left In: -2.096+/-1.683 χ^2/NDF:9.5/10

+ sign -1.573+/-1.495 χ^2/NDF: 22.2/28

All: -1.318+/-1.010 χ^2/NDF: 56.6/58

- sign -1.105+/-1.369 χ^2/NDF: 34.3/29

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5018.479+/-1.280 χ^2/NDF:3981502.0/12

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

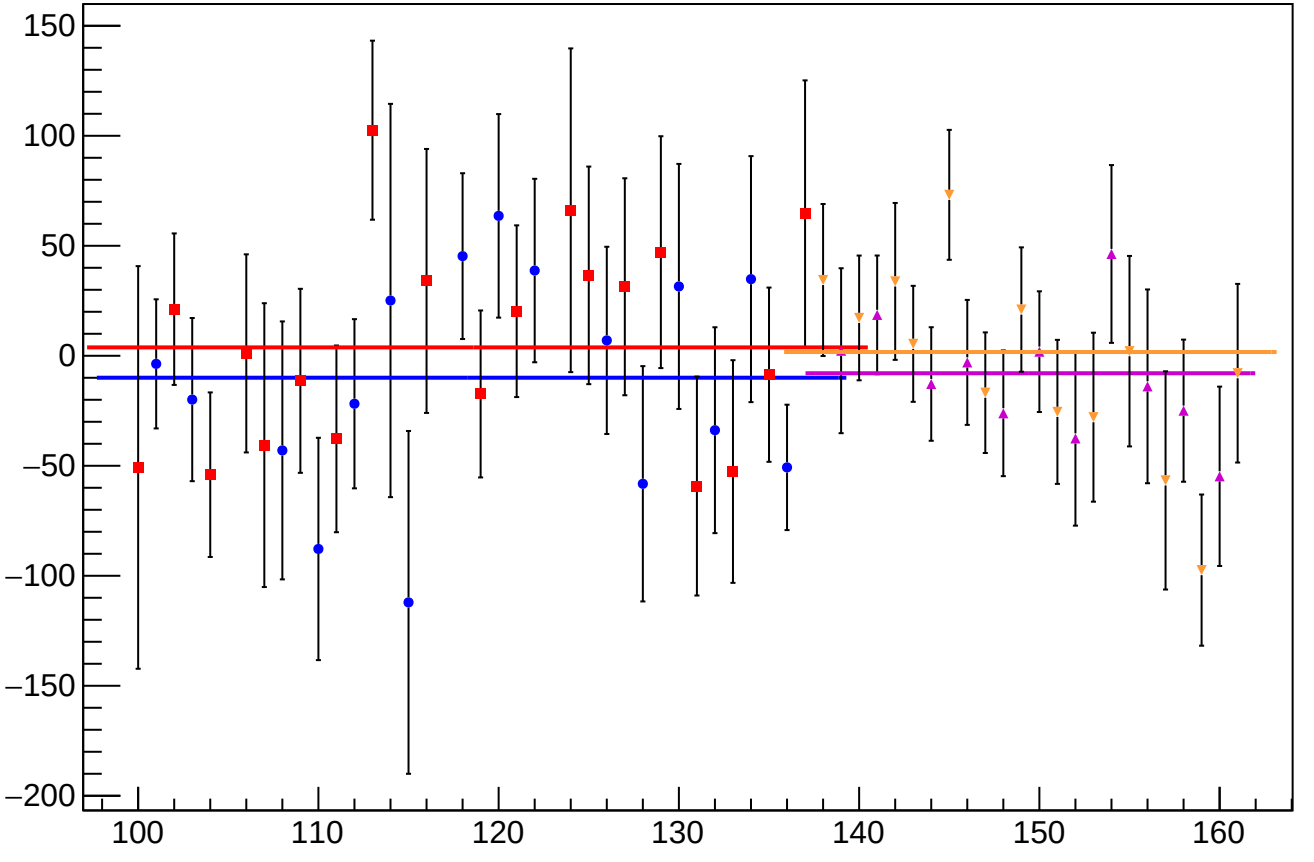
Left In: 4345.652+/-1.190 χ^2/NDF:5078185.6/10

+ sign 5544.799+/-1.057 χ^2/NDF: 6087494.9/28

All: 5143.759+/-0.714 χ^2/NDF: 14176273.4/5

- sign 4807.708+/-0.968 χ^2/NDF: 7824295.0/29

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 1.710+/-9.113 χ^2/NDF:19.9/12

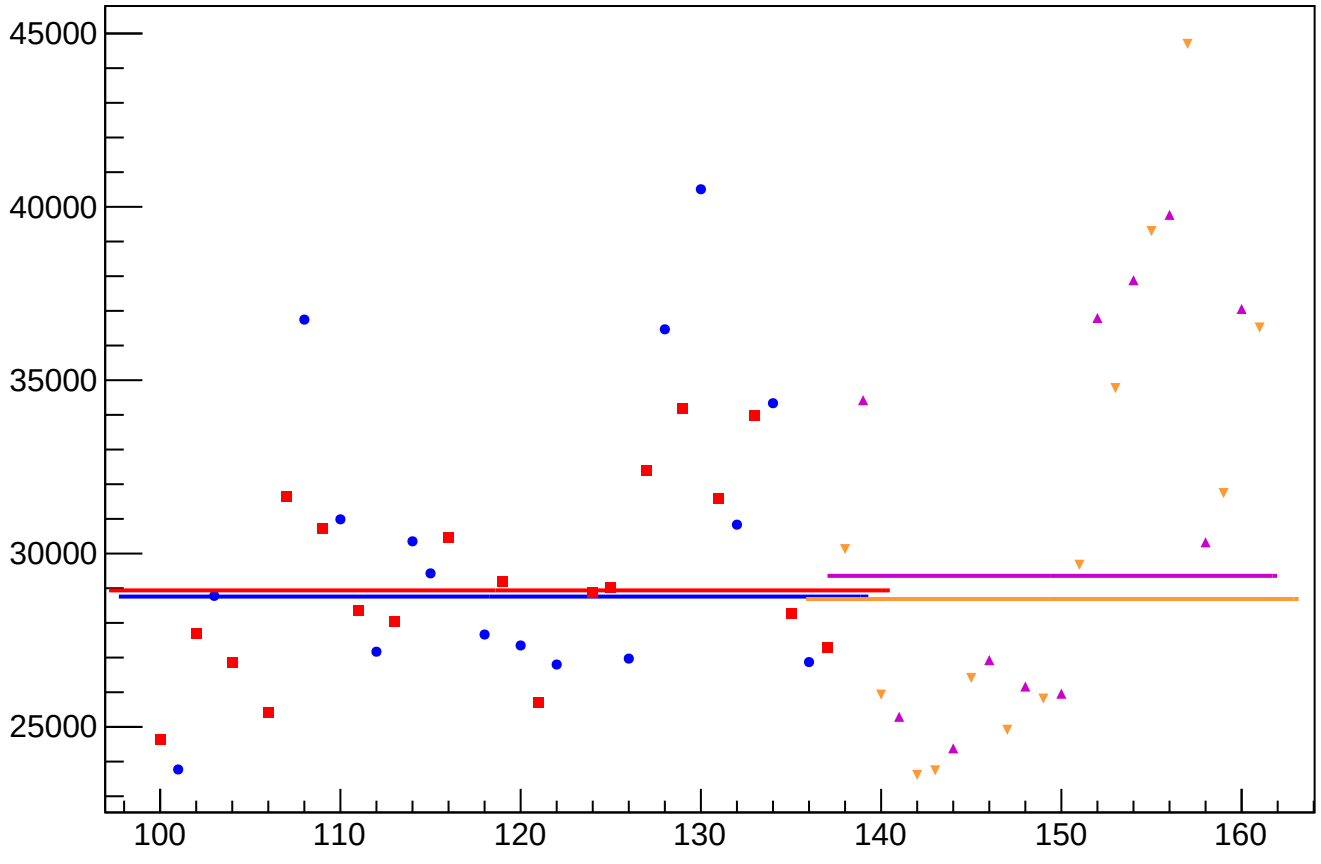
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -7.936+/-9.666 χ^2/NDF:5.6/10

\+ sign -3.129+/-6.975 χ^2/NDF: 35.8/28

All: -2.881+/-4.994 χ^2/NDF: 59.4/58

\- sign -2.621+/-7.153 χ^2/NDF: 23.6/29



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 28689.135+/-6.444 χ^2/NDF:674399.1/12

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

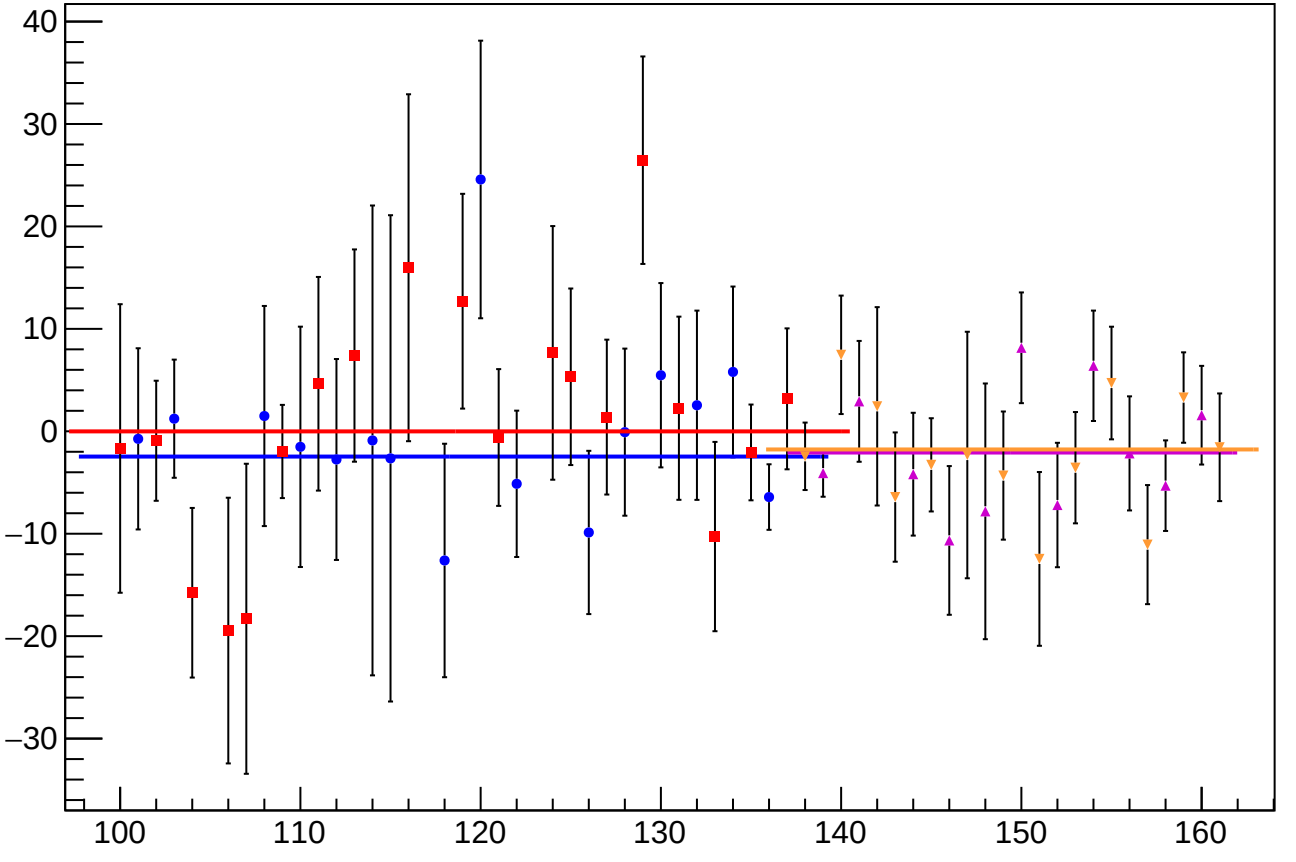
Left In: 29357.198+/-6.835 χ^2/NDF:570953.6/10

+ sign 28718.115+/-4.932 χ^2/NDF: 952087.8/28

All: 28937.087+/-3.531 χ^2/NDF: 1635056.8/5

- sign 29167.422+/-5.058 χ^2/NDF: 678924.1/29

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.773+/-1.513 χ^2/NDF:10.6/12

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

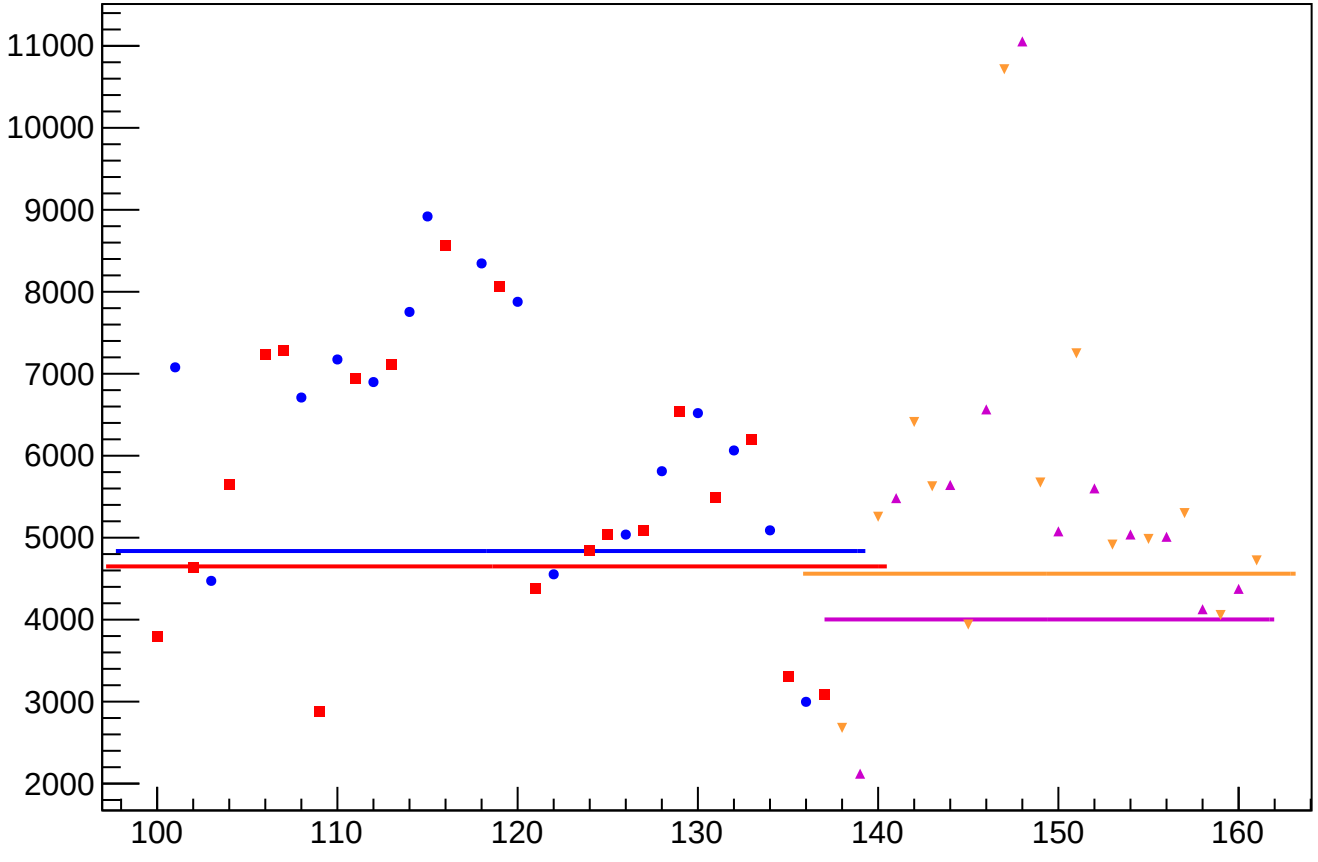
Left In: -2.073+/-1.426 χ^2/NDF:11.1/10

+ sign -2.040+/-1.187 χ^2/NDF: 20.7/28

All: -1.646+/-0.816 χ^2/NDF: 52.7/58

- sign -1.292+/-1.124 χ^2/NDF: 31.8/29

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4560.682+/-1.070 χ^2/NDF:1716821.1/12

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

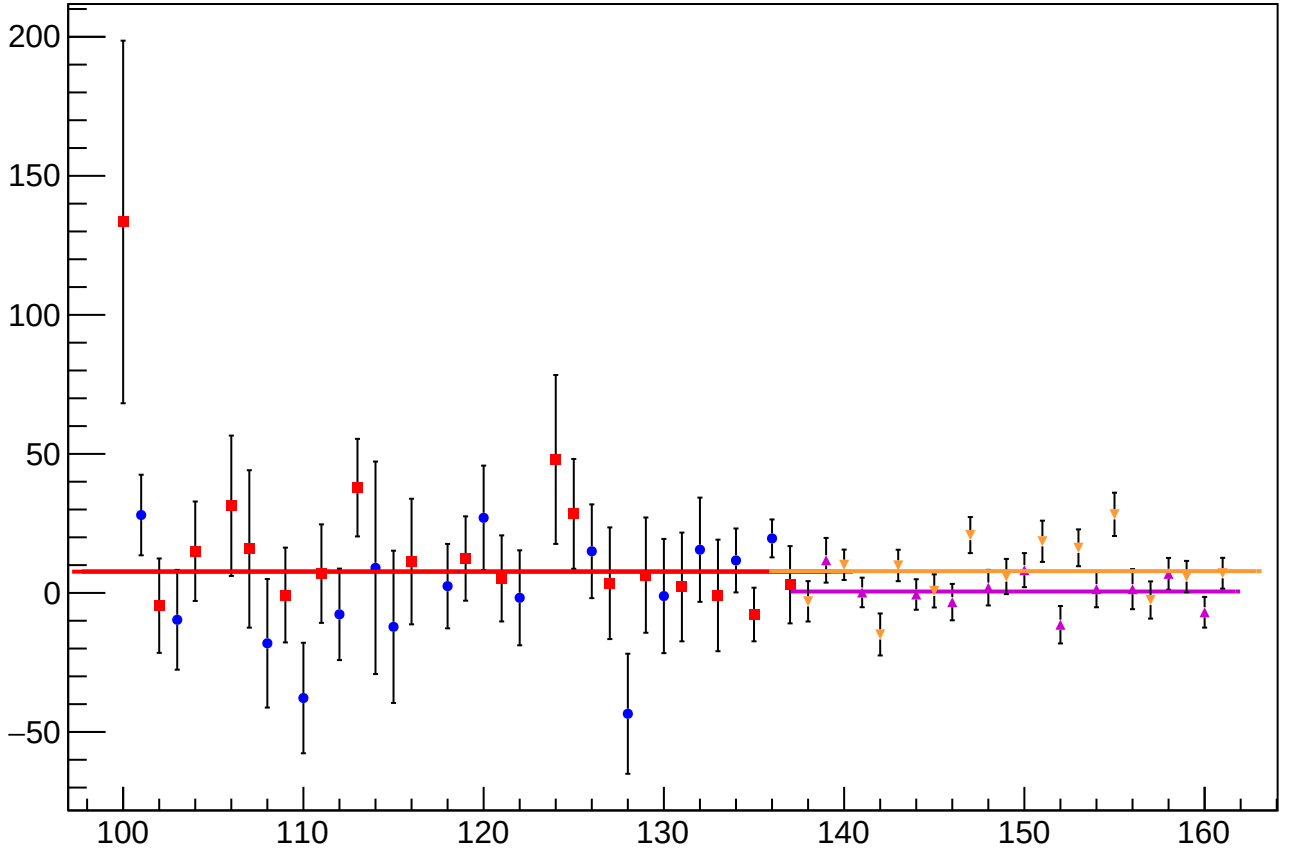
Left In: 4002.518+/-1.008 χ^2/NDF:2862420.4/10

+ sign 4666.929+/-0.840 χ^2/NDF: 3290242.7/28

All: 4445.658+/-0.577 χ^2/NDF: 7874705.4/58

- sign 4247.288+/-0.795 χ^2/NDF: 4452765.6/29

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 7.840+/-1.763 χ^2/NDF:30.3/12

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

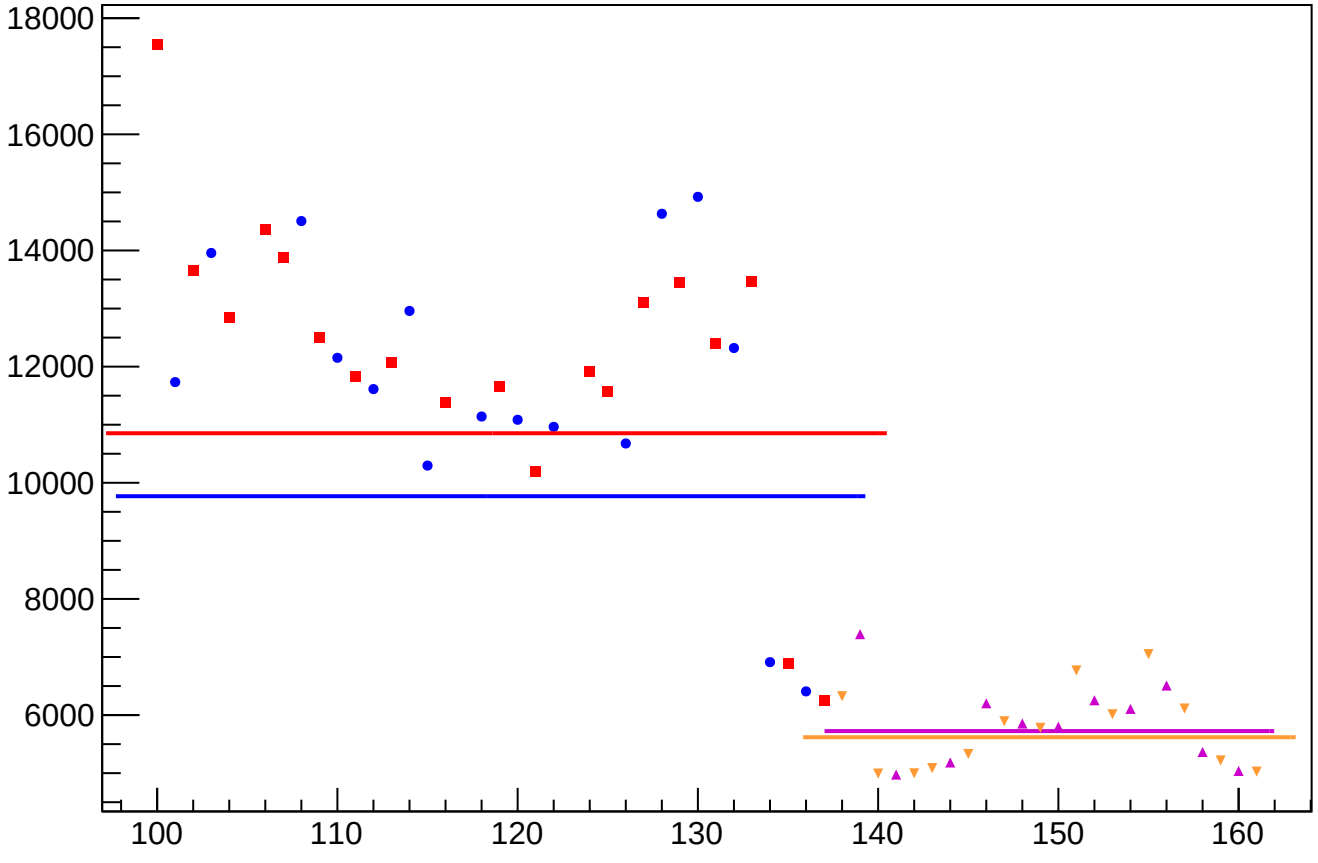
Left In: 0.507+/-1.868 χ^2/NDF:10.2/10

+ sign 7.815+/-1.600 χ^2/NDF: 51.9/28

All: 4.958+/-1.165 χ^2/NDF: 86.0/58

- sign 1.735+/-1.700 χ^2/NDF: 27.3/29

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5618.802+/-1.246 χ^2/NDF:252489.0/12

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

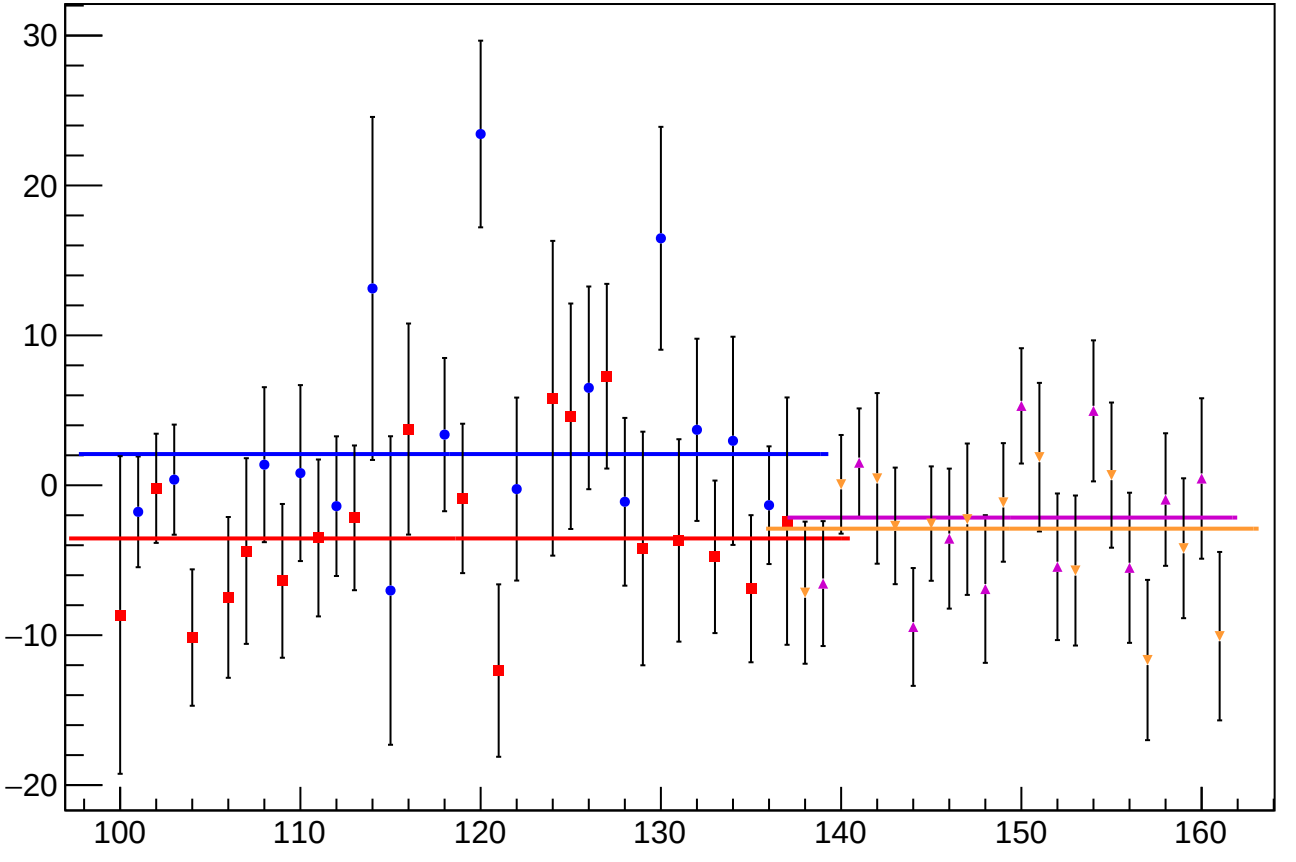
Left In: 5724.351+/-1.321 χ^2/NDF:239082.8/10

+ sign 6347.289+/-1.132 χ^2/NDF: 3412506.9/28

All: 6468.868+/-0.824 χ^2/NDF: 7143107.4/58

- sign 6605.988+/-1.202 χ^2/NDF: 3706040.0/29

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.894+/-1.248 χ^2/NDF:8.4/12

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

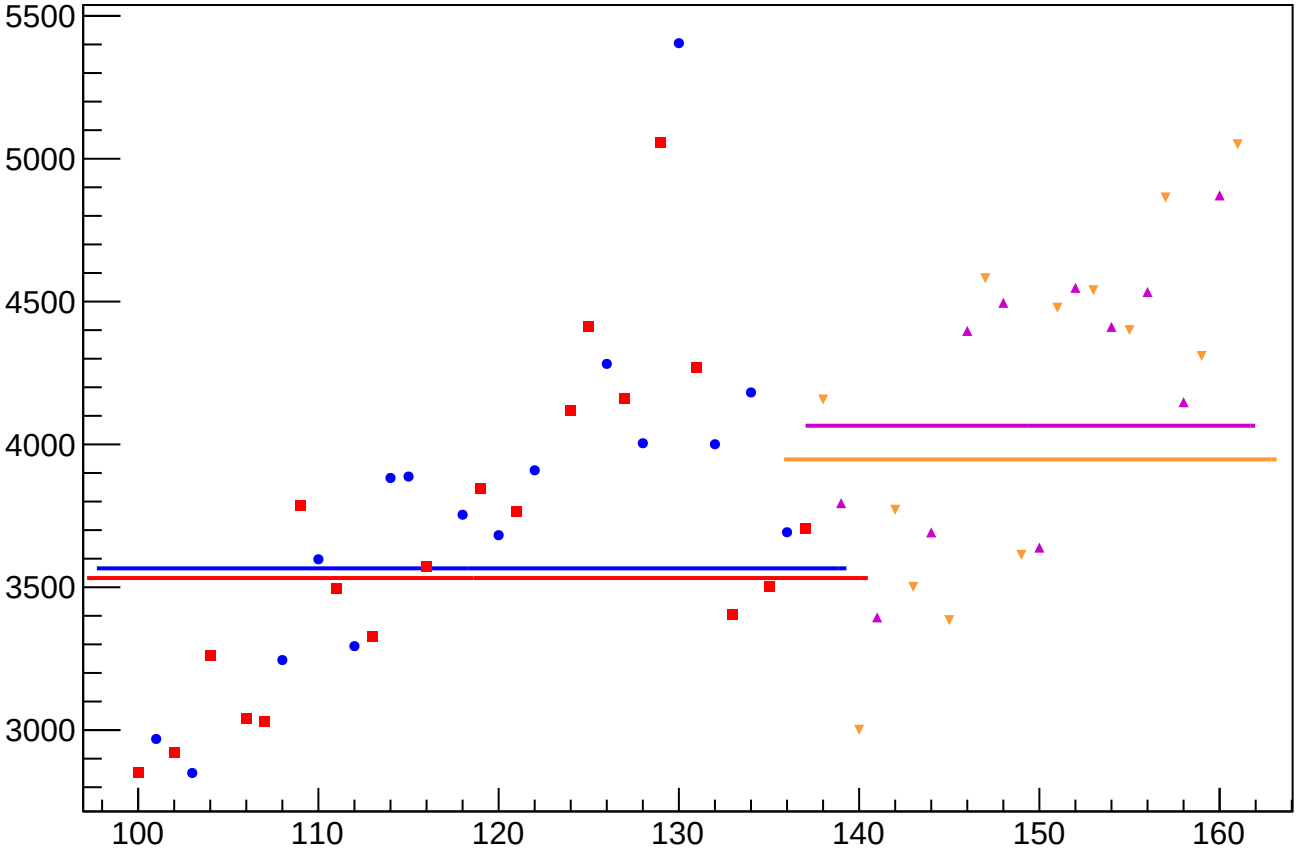
Left In: -2.155+/-1.329 χ^2/NDF:13.9/10

\+ sign -0.592+/-0.915 χ^2/NDF: 36.7/28

All: -1.709+/-0.653 χ^2/NDF: 67.6/58

\- sign -2.864+/-0.931 χ^2/NDF: 27.9/29

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3947.533+/-0.883 χ^2/NDF:503406.7/12

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

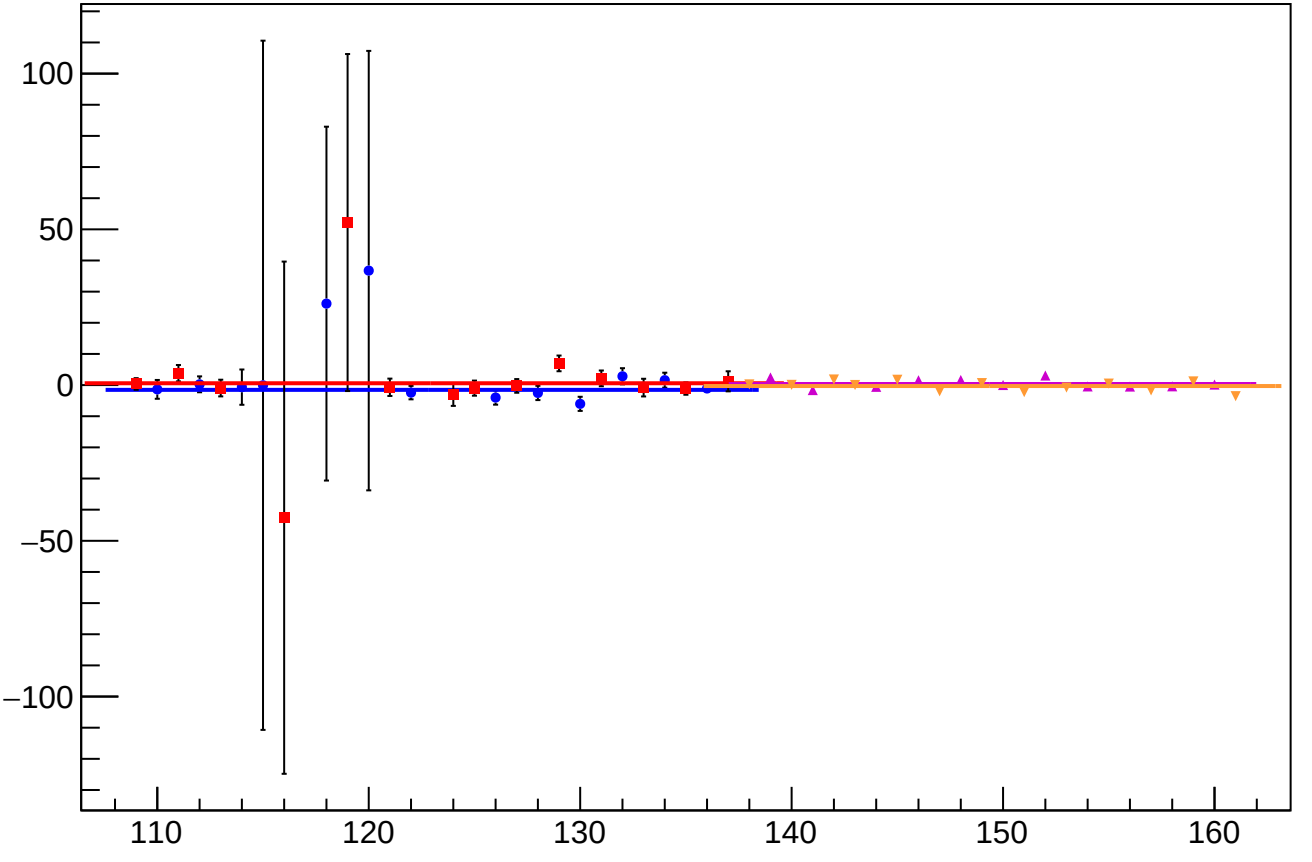
Left In: 4065.490+/-0.940 χ^2/NDF:239038.9/10

+ sign 3771.066+/-0.647 χ^2/NDF: 930873.7/28

All: 3782.261+/-0.461 χ^2/NDF: 1613294.6/58

- sign 3793.843+/-0.658 χ^2/NDF: 681811.9/29

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.308+/-0.316 χ^2/NDF:23.6/12

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

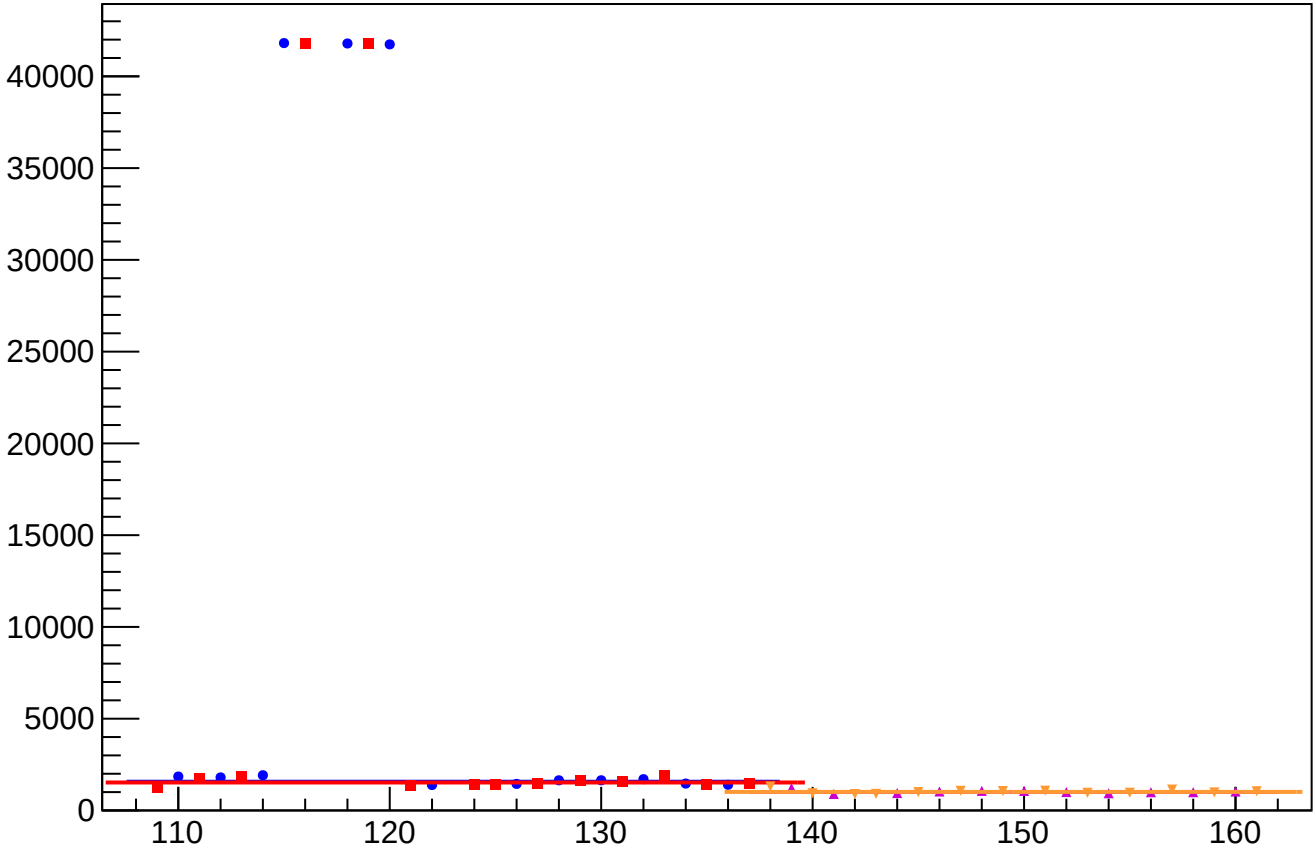
Left In: 0.344+/-0.327 χ^2/NDF:18.0/10

+ sign -0.500+/-0.290 χ^2/NDF: 37.1/25

All: -0.068+/-0.208 χ^2/NDF: 72.4/50

- sign 0.386+/-0.297 χ^2/NDF: 30.8/24

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1010.836+/-0.224 χ^2/NDF:171663.2/12

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

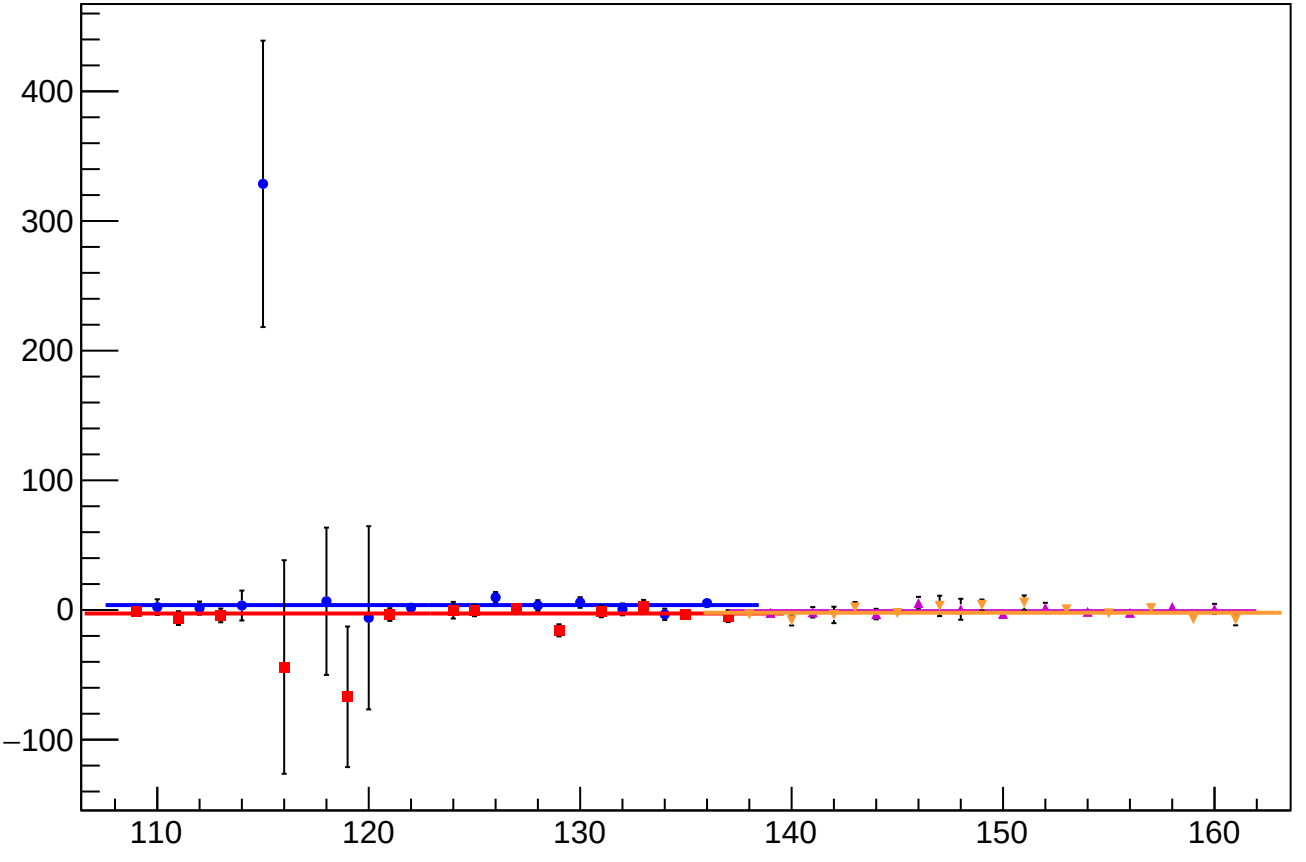
Left In: 1005.254+/-0.231 χ^2/NDF:105397.1/10

+ sign 1097.684+/-0.205 χ^2/NDF: 3150760.0/25

All: 1096.108+/-0.147 χ^2/NDF: 5861391.1/50

- sign 1094.454+/-0.210 χ^2/NDF: 2710510.3/24

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.134+/-1.046 χ^2/NDF:12.6/12

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

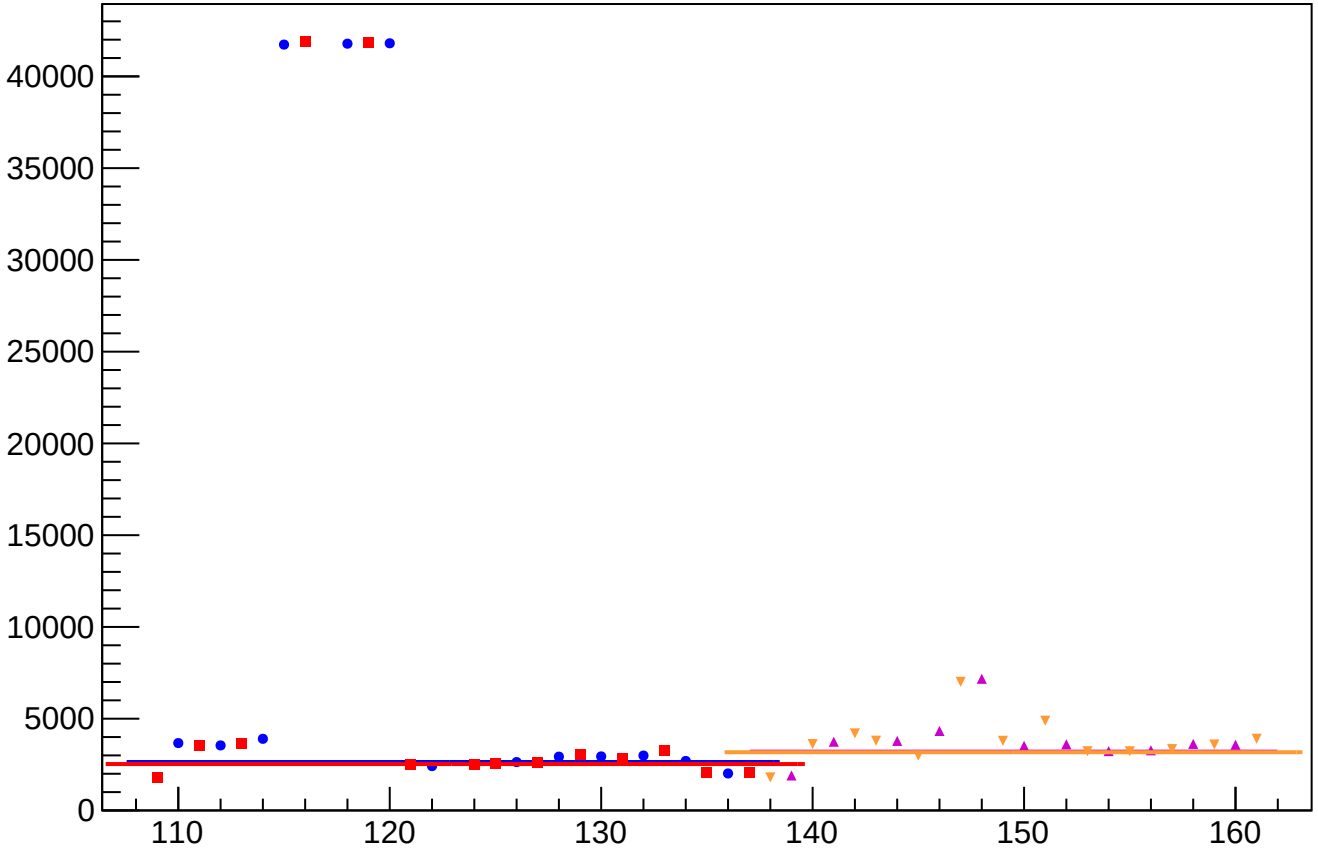
Left In: -0.898+/-1.095 χ^2/NDF:4.3/10

+ sign 0.303+/-0.802 χ^2/NDF: 40.9/25

All: -0.691+/-0.570 χ^2/NDF: 63.2/50

- sign -1.712+/-0.812 χ^2/NDF: 19.1/24

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3172.864+/-0.739 χ^2/NDF:1777589.2/12

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

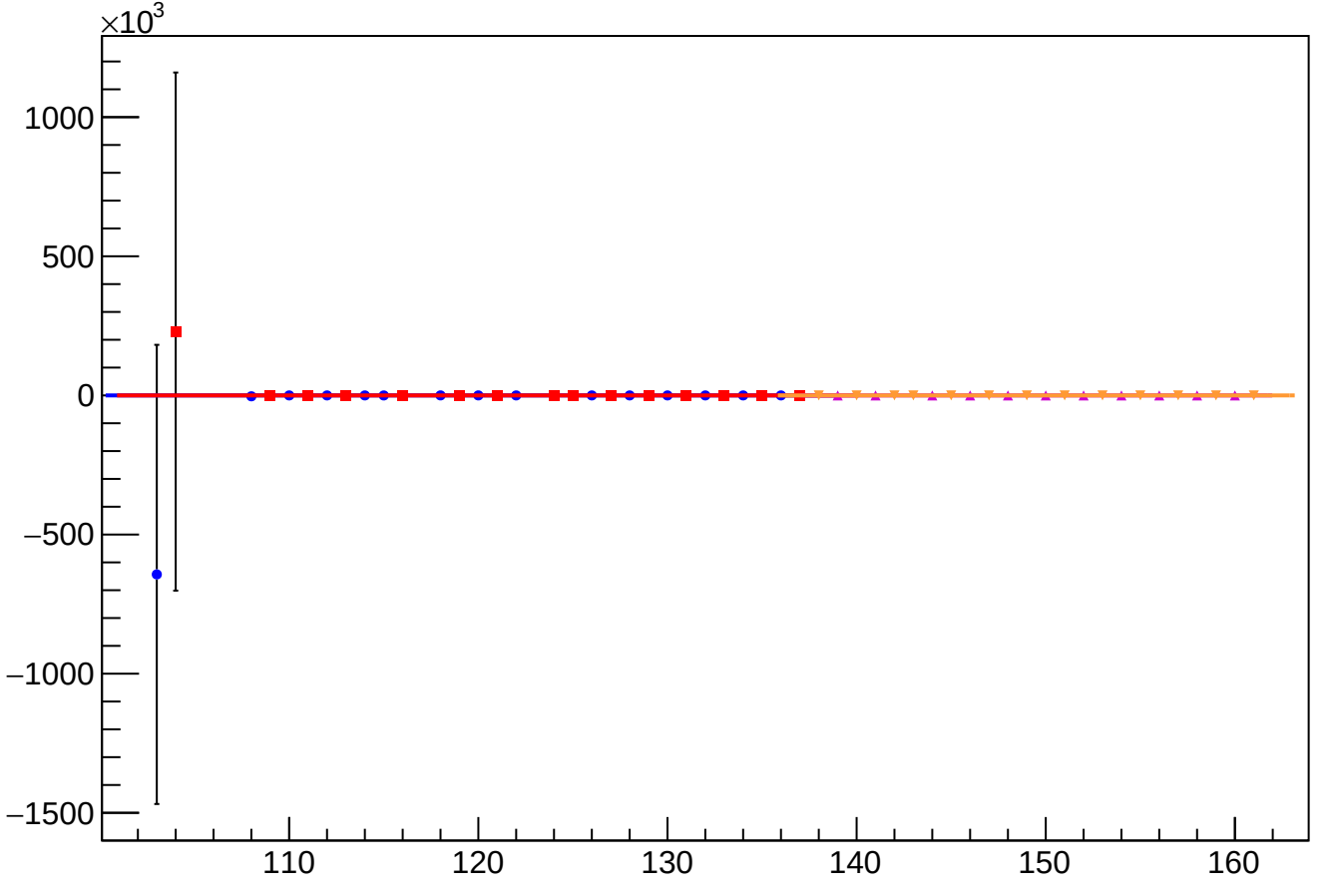
Left In: 3204.006+/-0.774 χ^2/NDF:1502391.1/10

+ sign 2953.115+/-0.567 χ^2/NDF: 4165183.0/25

All: 2927.108+/-0.403 χ^2/NDF: 7963692.7/50

- sign 2900.416+/-0.574 χ^2/NDF: 3794243.9/24

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -2.033+/-0.491 χ^2/NDF:26.1/12

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

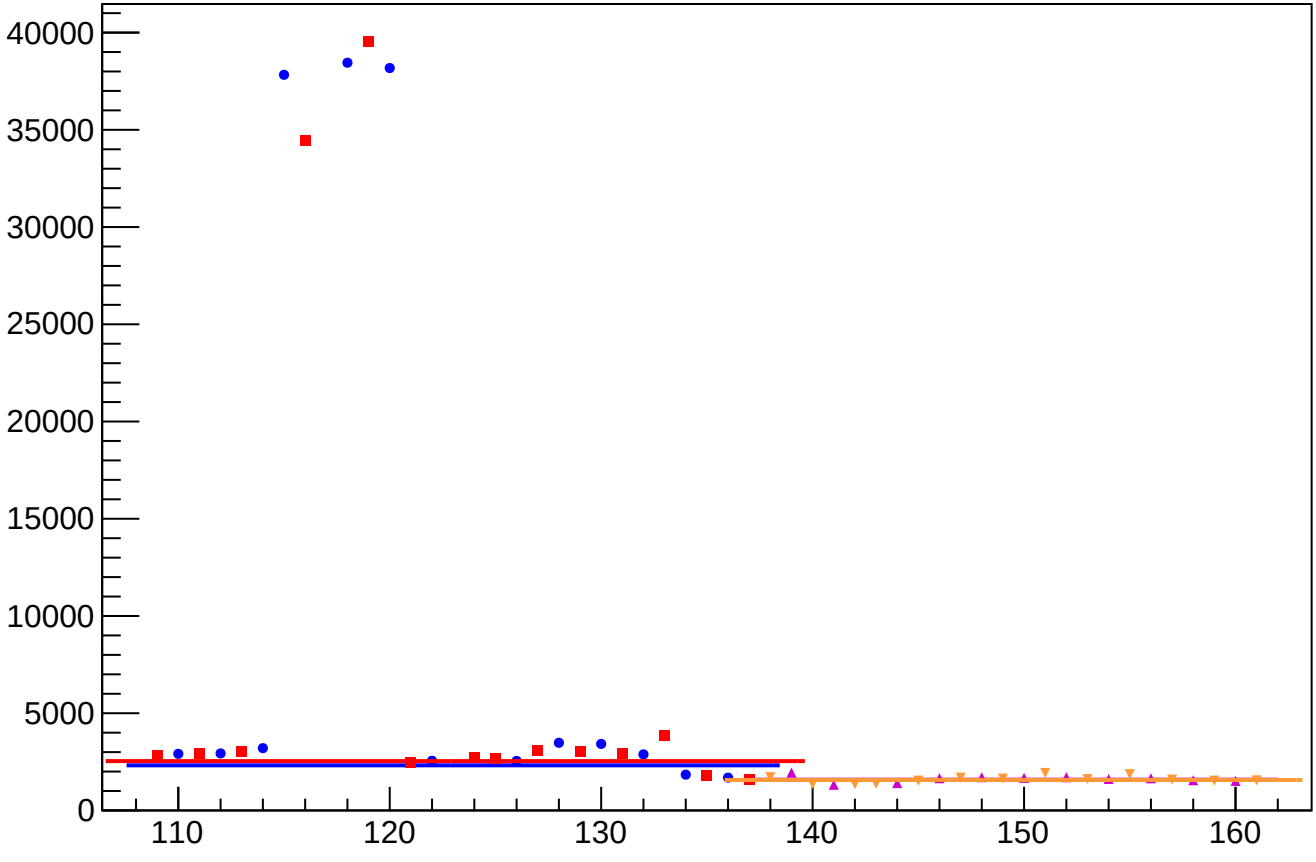
Left In: -0.042+/-0.516 χ^2/NDF:14.0/10

+ sign -1.902+/-0.450 χ^2/NDF: 45.3/27

All: -1.213+/-0.327 χ^2/NDF: 82.6/53

- sign -0.446+/-0.475 χ^2/NDF: 32.4/25

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1568.339+/-0.347 χ^2/NDF:217759.2/12

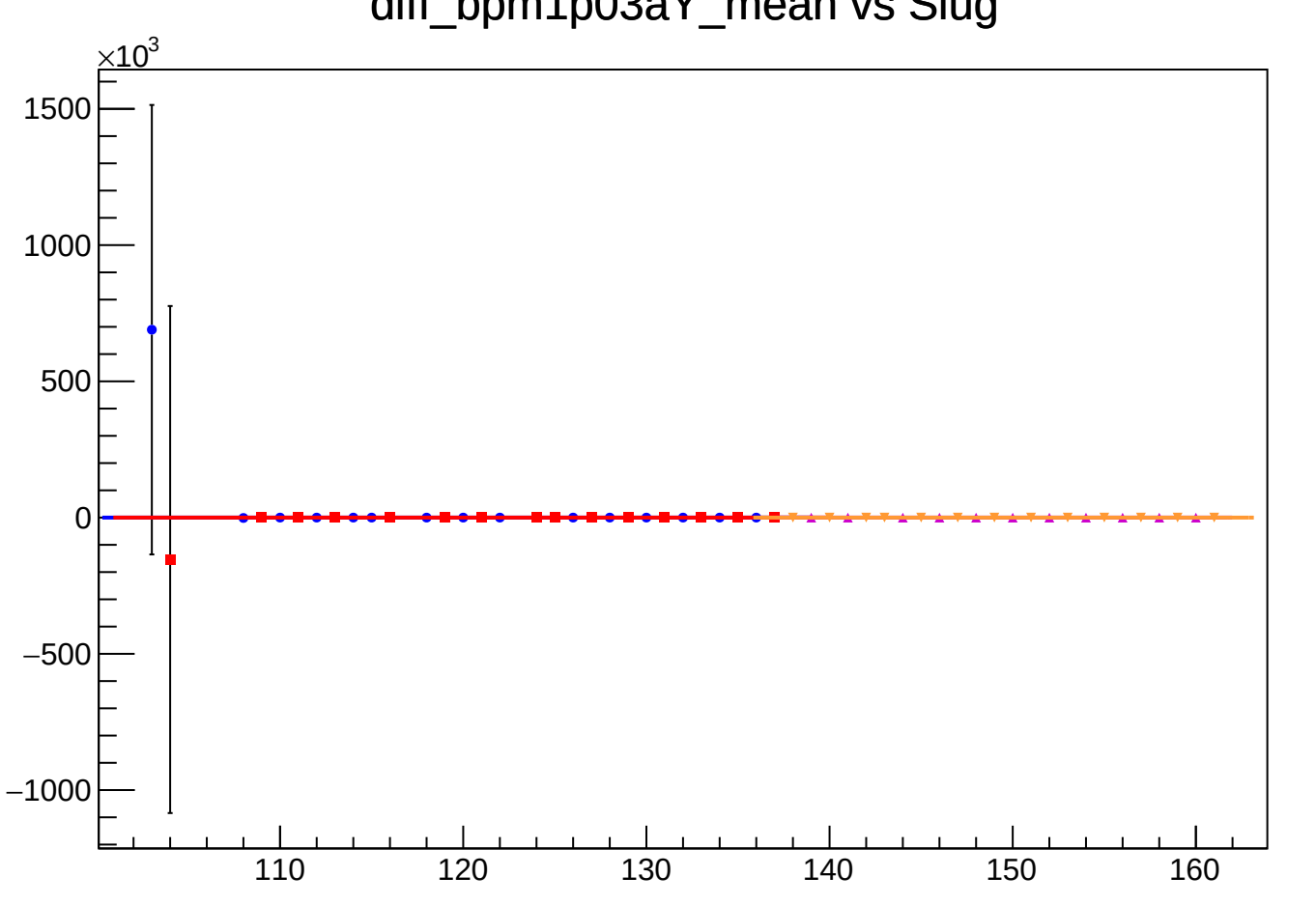
Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1583.816+/-0.365 χ^2/NDF:190520.5/10

+ sign 1688.672+/-0.318 χ^2/NDF: 3429712.6/25

All: 1708.475+/-0.231 χ^2/NDF: 6716170.5/50

- sign 1730.531+/-0.336 χ^2/NDF: 3278274.6/24



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.954+/-0.670 χ^2/NDF:17.0/12

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

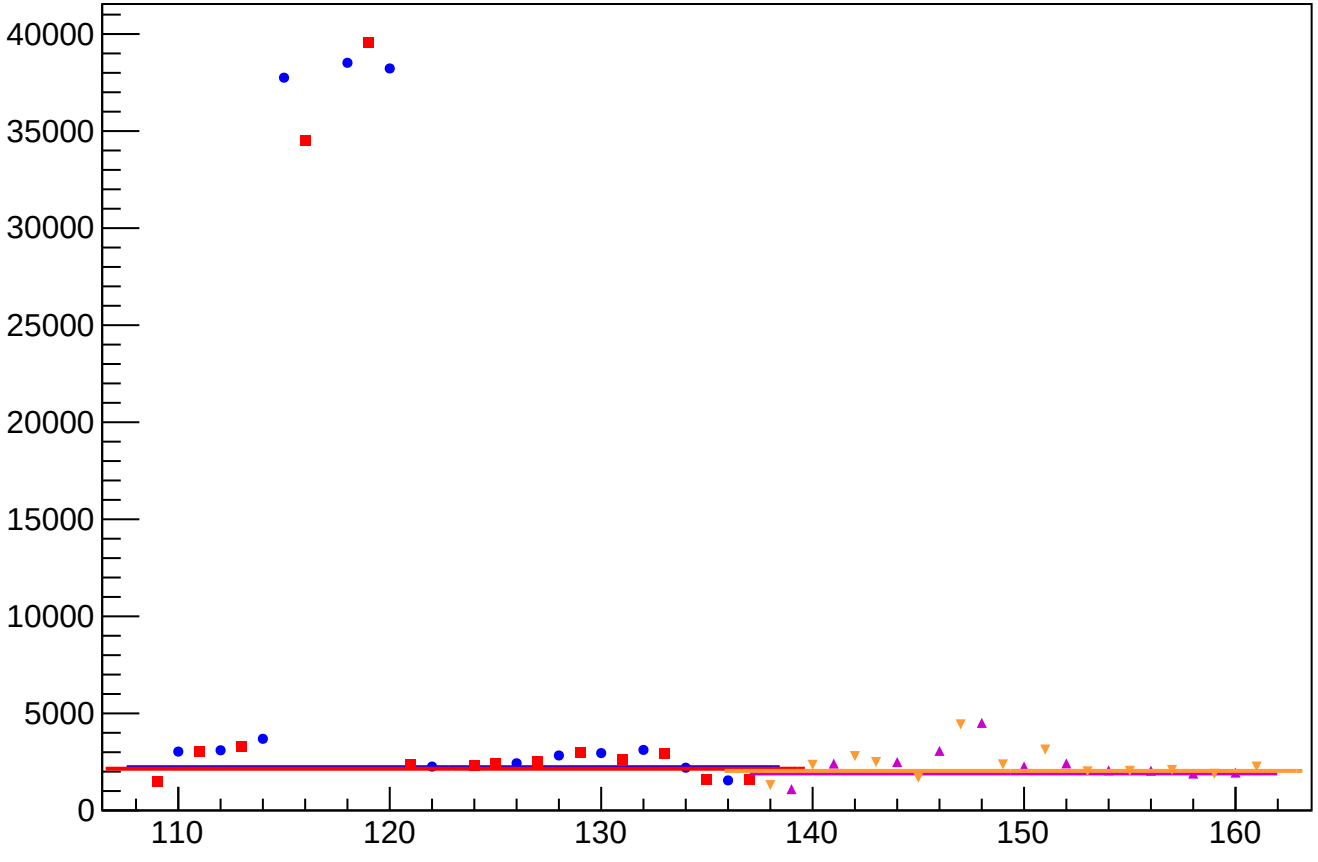
Left In: 0.067+/-0.661 χ^2/NDF:4.0/10

+ sign -0.210+/-0.569 χ^2/NDF: 26.5/27

All: -0.352+/-0.399 χ^2/NDF: 48.4/53

- sign -0.488+/-0.560 χ^2/NDF: 21.8/25

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2038.454+/-0.474 χ^2/NDF:1335836.9/12

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

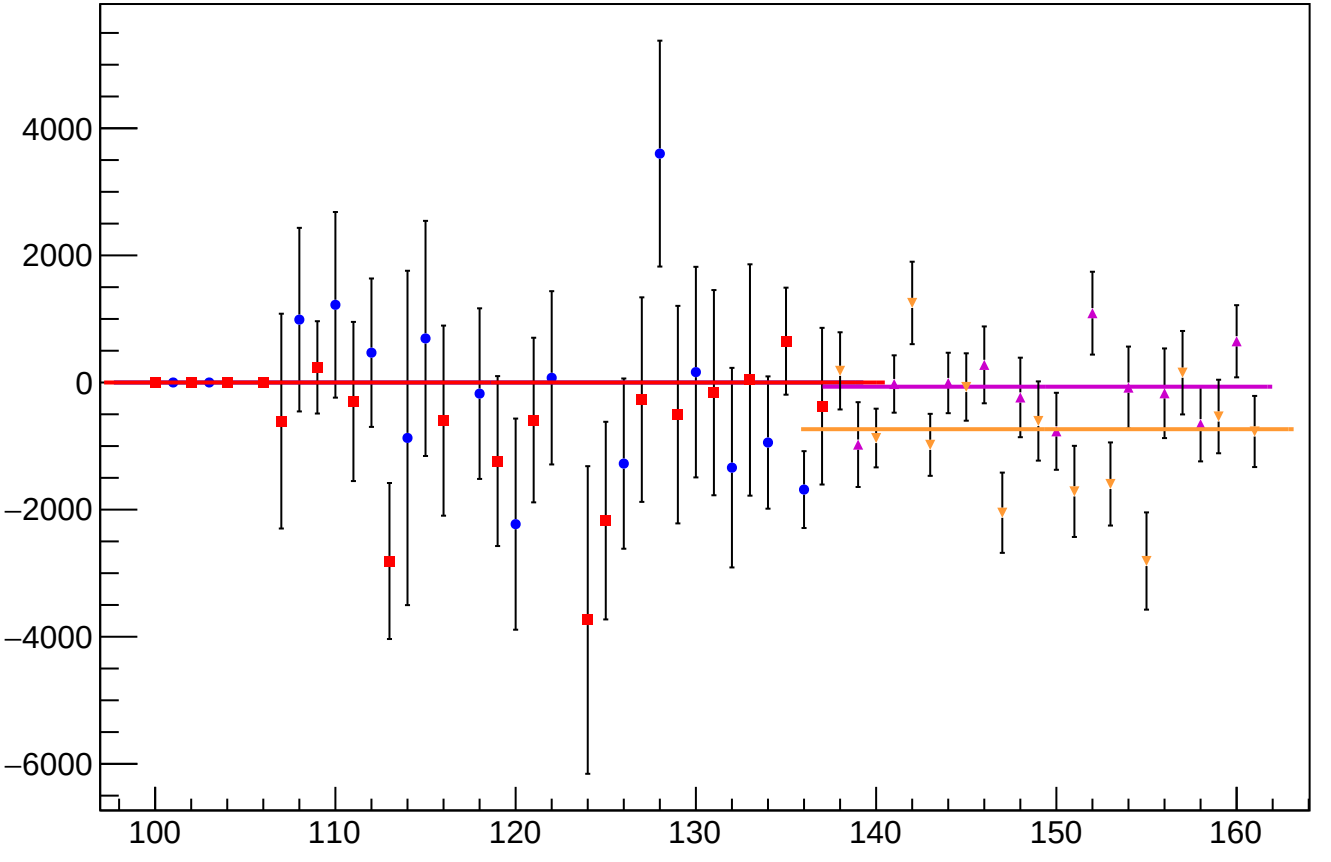
Left In: 1906.957+/-0.467 χ^2/NDF:1993160.3/10

+ sign 2091.115+/-0.402 χ^2/NDF: 3902318.6/25

All: 2032.633+/-0.282 χ^2/NDF: 8245470.6/50

- sign 1976.031+/-0.396 χ^2/NDF: 4301567.3/24

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -734.548+/-164.142 χ^2/NDF:30.9/12

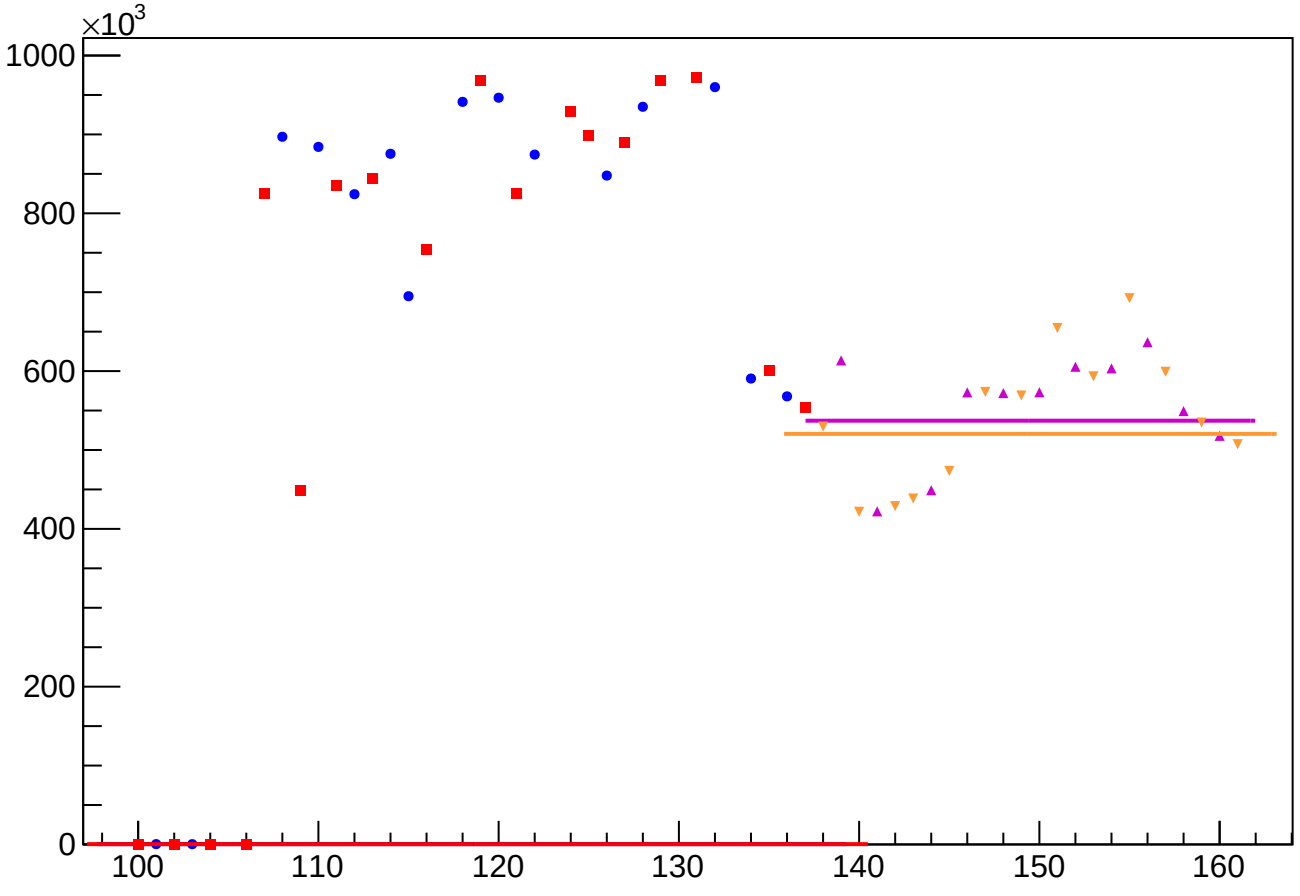
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -66.007+/-175.735 χ^2/NDF:9.4/10

+ sign 0.252+/-0.356 χ^2/NDF: 68.6/28

All: 0.167+/-0.241 χ^2/NDF: 93.7/58

- sign 0.096+/-0.328 χ^2/NDF: 25.0/29



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 520416.289+/-116.066 χ^2/NDF:457448.9/12

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

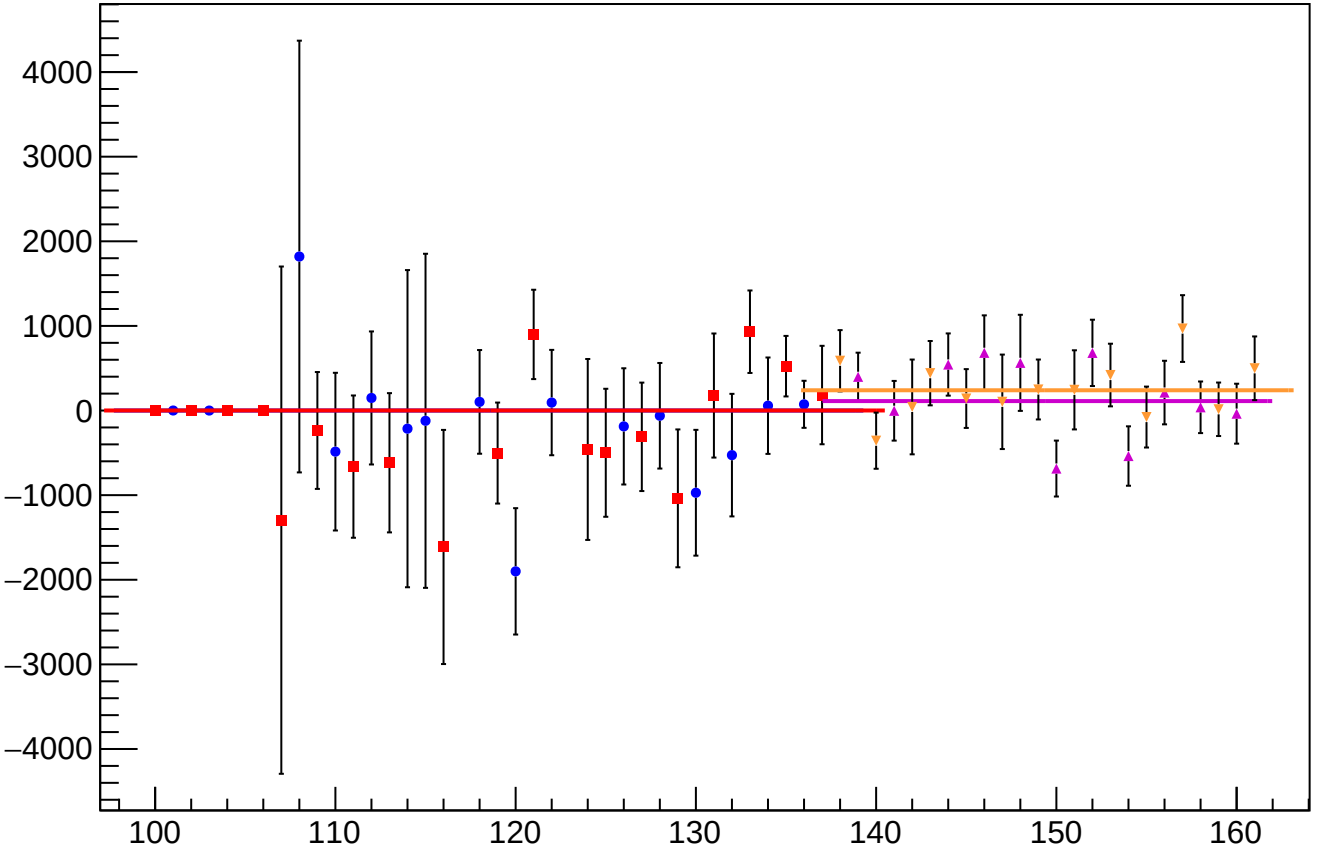
Left In: 537136.917+/-124.264 χ^2/NDF:331085.3/10

+ sign 401.322+/-0.251 χ^2/NDF: 29022774.3/27

All: 397.962+/-0.170 χ^2/NDF: 55659881.0/56

- sign 395.107+/-0.232 χ^2/NDF: 26636776.5/28

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 239.475+/-105.786 χ^2/NDF:10.1/12

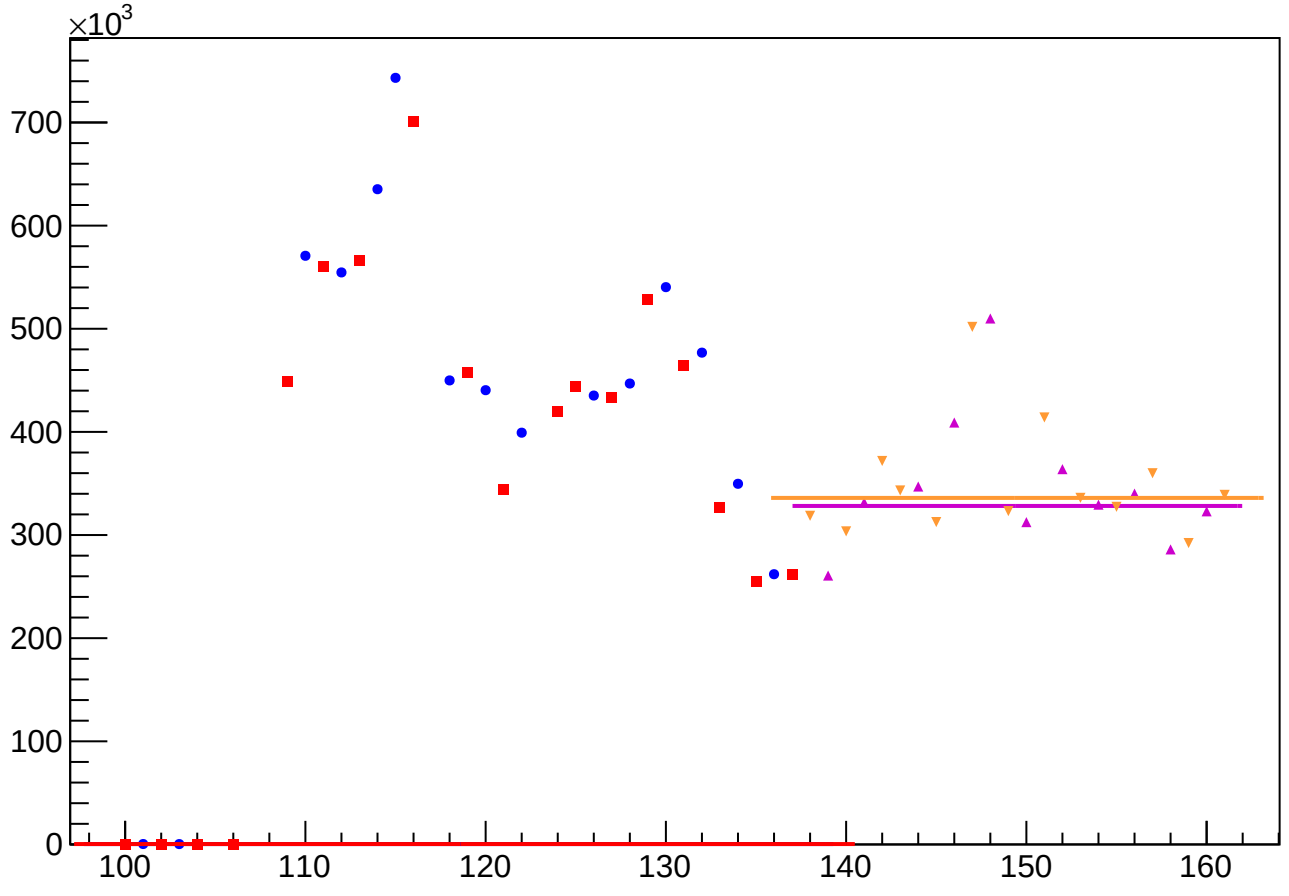
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 111.634+/-108.118 χ^2/NDF:16.5/10

+ sign -0.018+/-0.347 χ^2/NDF: 25.7/28

All: 0.312+/-0.237 χ^2/NDF: 59.9/58

- sign 0.600+/-0.324 χ^2/NDF: 32.5/29



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 336001.447+/-74.802 χ^2/NDF:323431.7/12

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

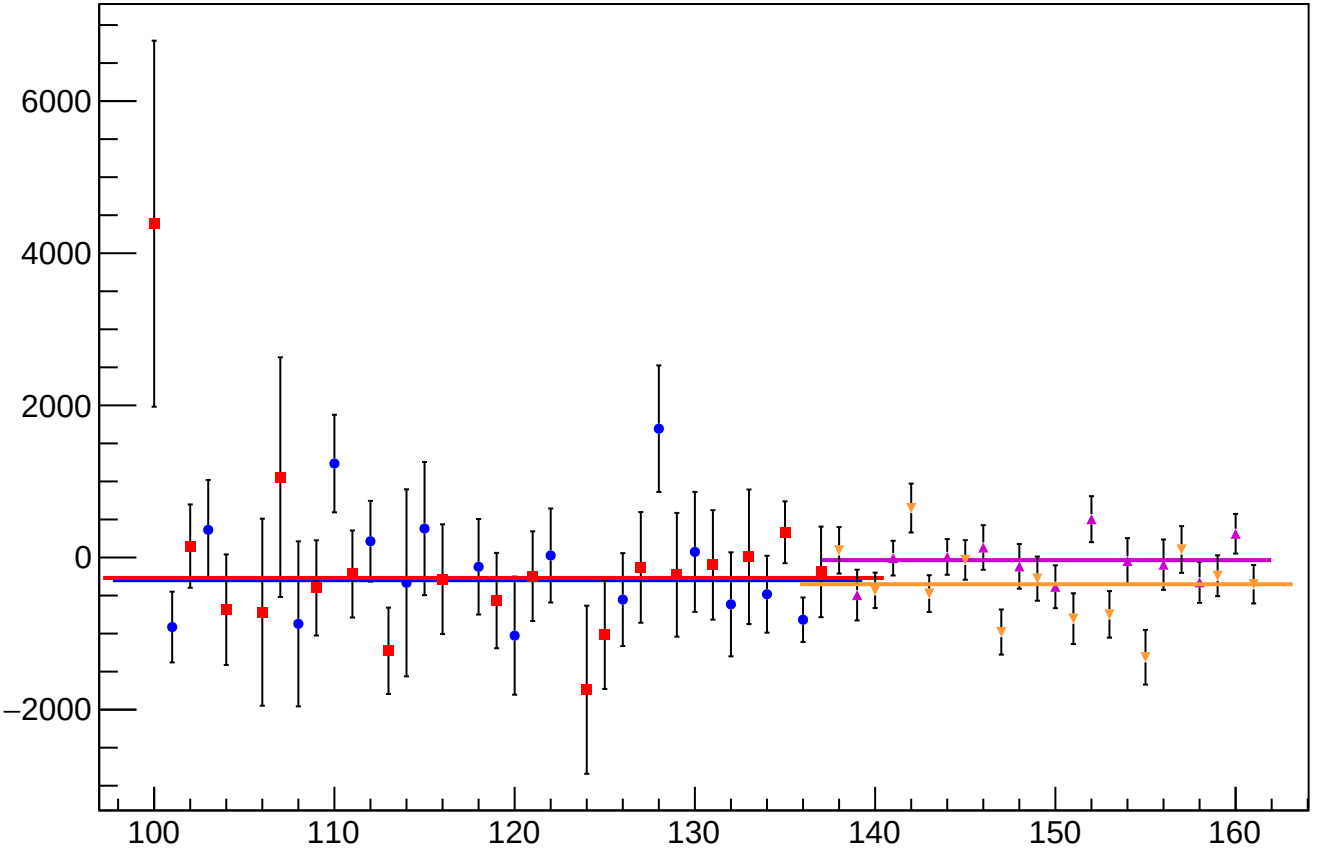
Left In: 328207.831+/-76.458 χ^2/NDF:450809.5/10

+ sign 393.889+/-0.245 χ^2/NDF: 31585603.6/27

All: 392.304+/-0.167 χ^2/NDF: 61493891.7/56

- sign 390.924+/-0.229 χ^2/NDF: 29908210.0/28

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -351.257+/-78.700 χ^2/NDF:31.3/12

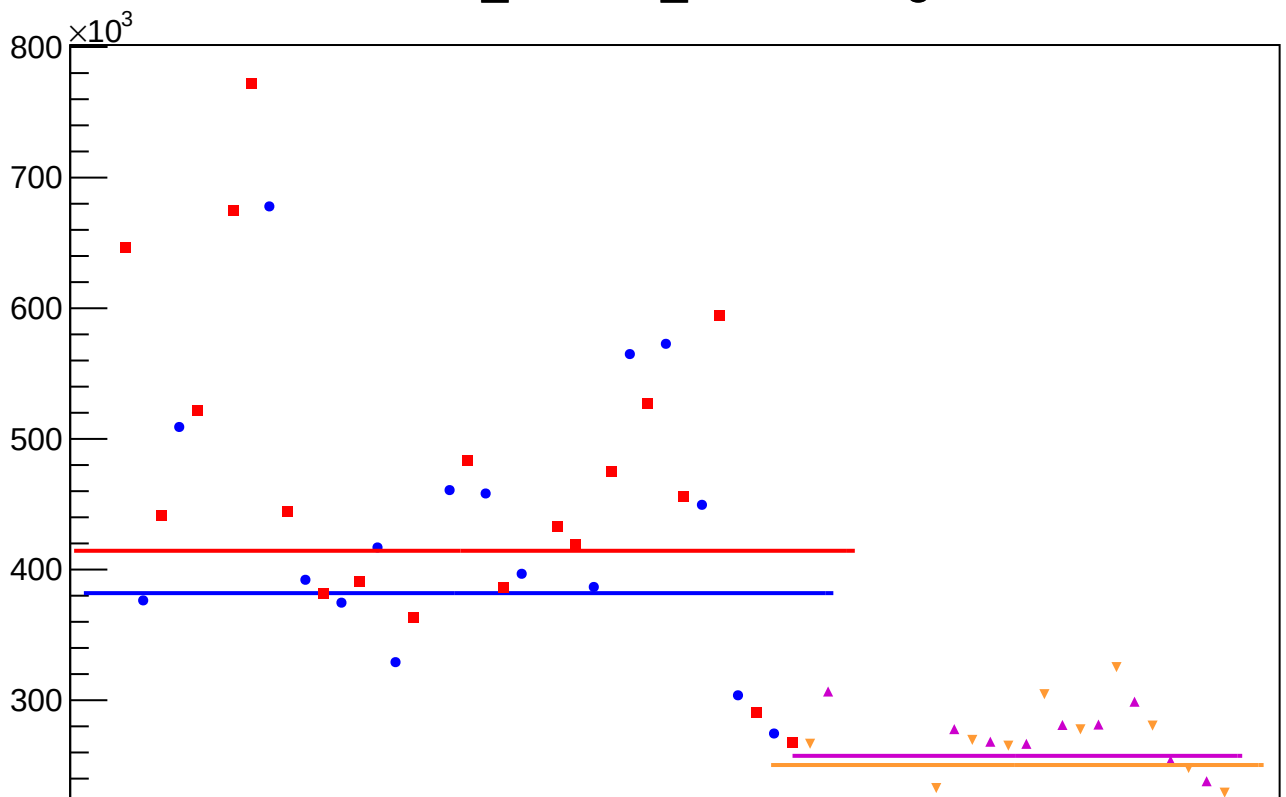
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -34.249+/-83.998 χ^2/NDF:10.0/10

+ sign -339.497+/-69.421 χ^2/NDF: 52.6/28

All: -221.188+/-50.636 χ^2/NDF: 84.5/58

- sign -86.684+/-74.020 χ^2/NDF: 25.6/29



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 250402.481+/-55.649 χ^2/NDF:334606.5/12

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

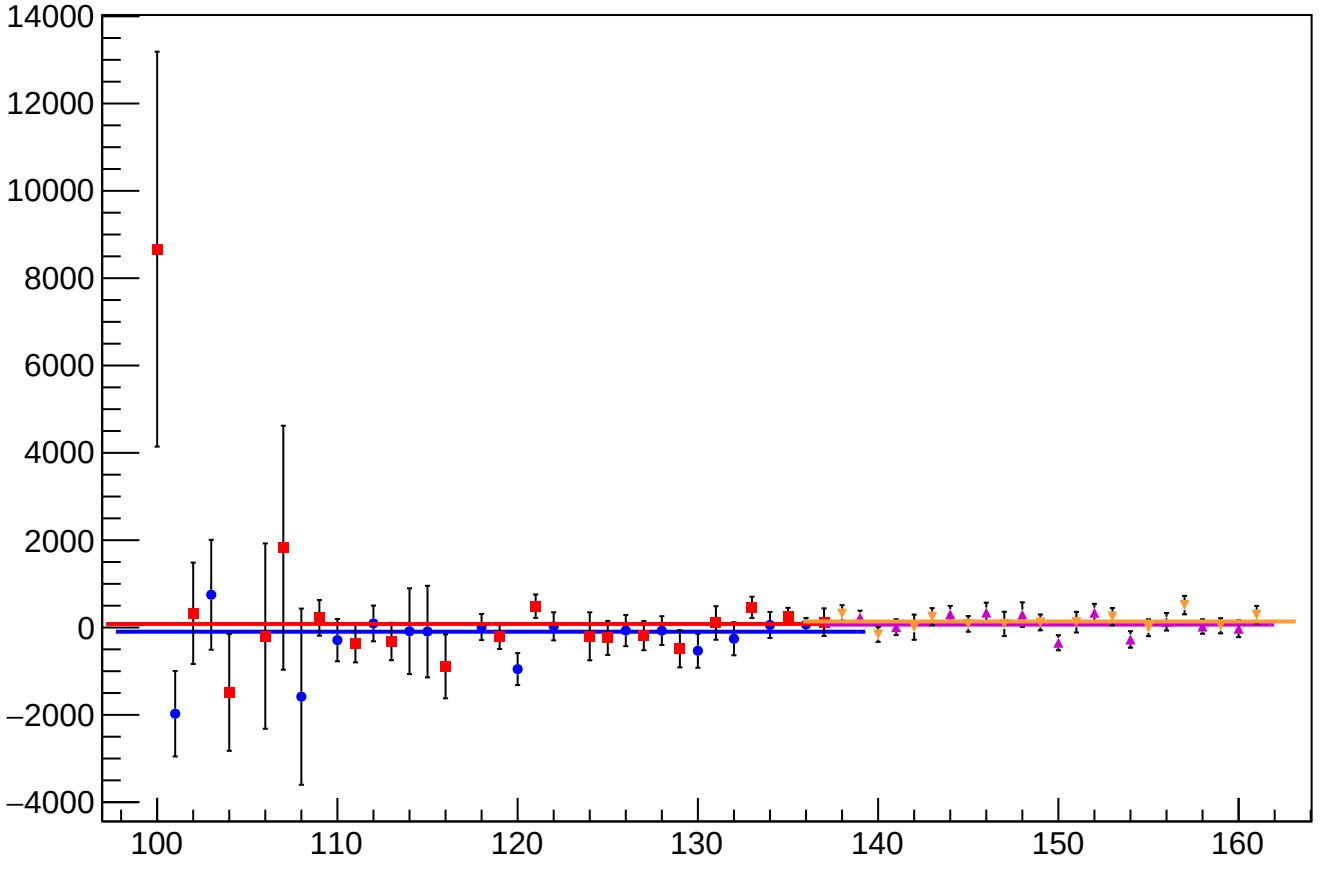
Left In: 257428.978+/-59.396 χ^2/NDF:245875.5/10

+ sign 279588.345+/-49.090 χ^2/NDF: 2410902.9/28

All: 285624.949+/-35.807 χ^2/NDF: 5008914.

- sign 292488.148+/-52.343 χ^2/NDF: 2565697.4/29

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 138.588+/-55.722 χ^2/NDF:9.5/12

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

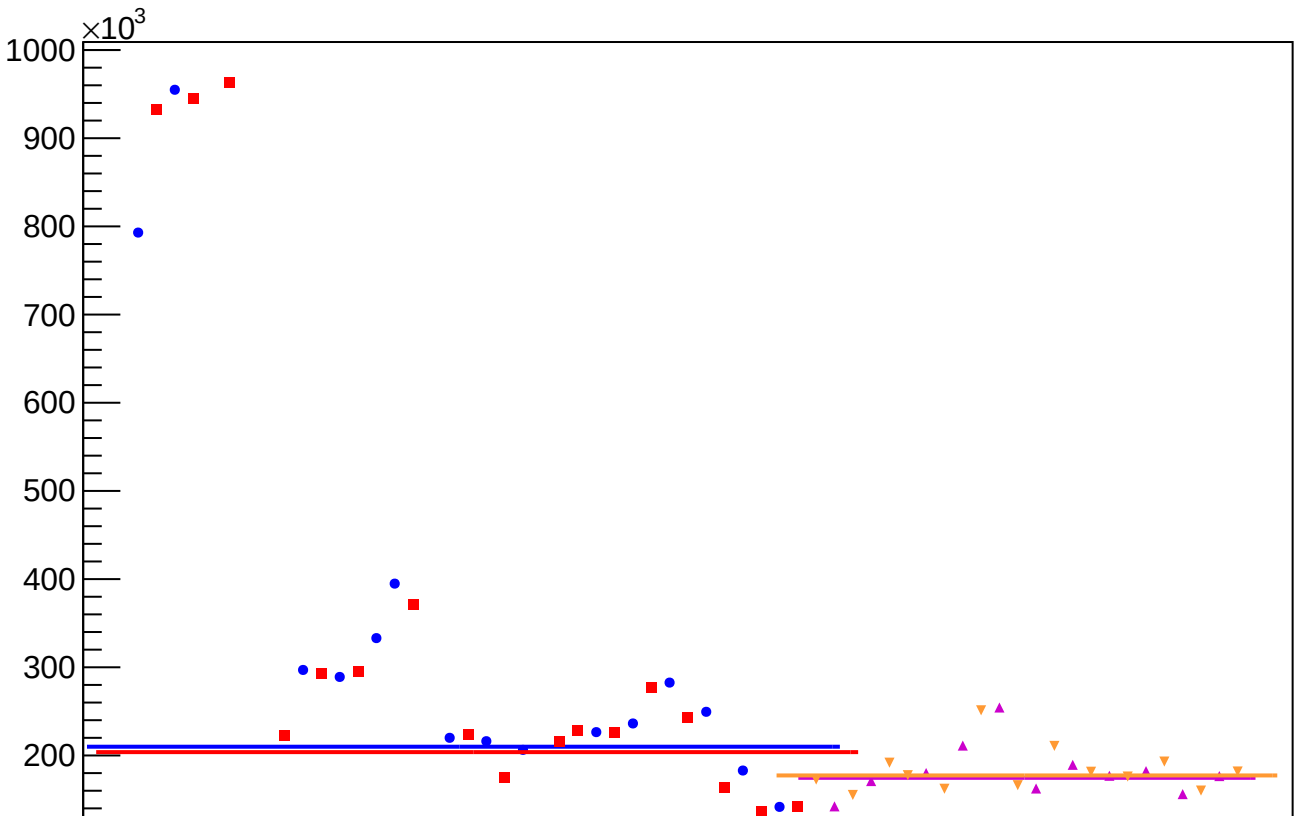
Left In: 67.606+/-57.320 χ^2/NDF:16.2/10

+ sign 71.782+/-47.118 χ^2/NDF: 28.2/28

All: 71.971+/-33.597 χ^2/NDF: 63.5/58

- sign 72.167+/-47.917 χ^2/NDF: 35.3/29

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 177345.264+/-39.401 χ^2/NDF:274229.7/12

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

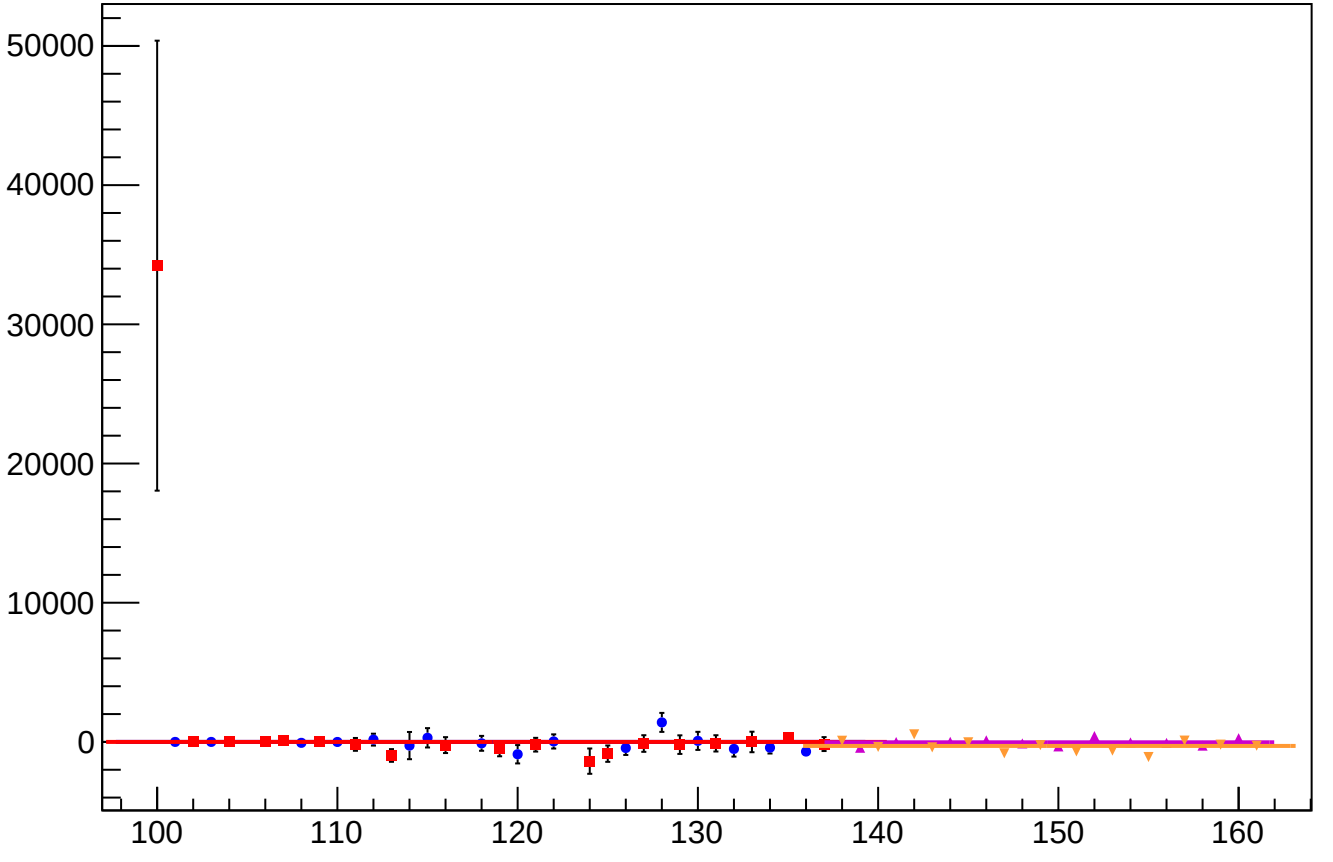
Left In: 174649.031+/-40.531 χ^2/NDF:348440.1/10

+ sign 186607.361+/-33.334 χ^2/NDF: 2428524.2/27

All: 185029.028+/-23.771 χ^2/NDF: 5007180.

- sign 183395.896+/-33.908 χ^2/NDF: 2574094.3/27

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -288.771+/-65.835 χ^2/NDF:31.4/12

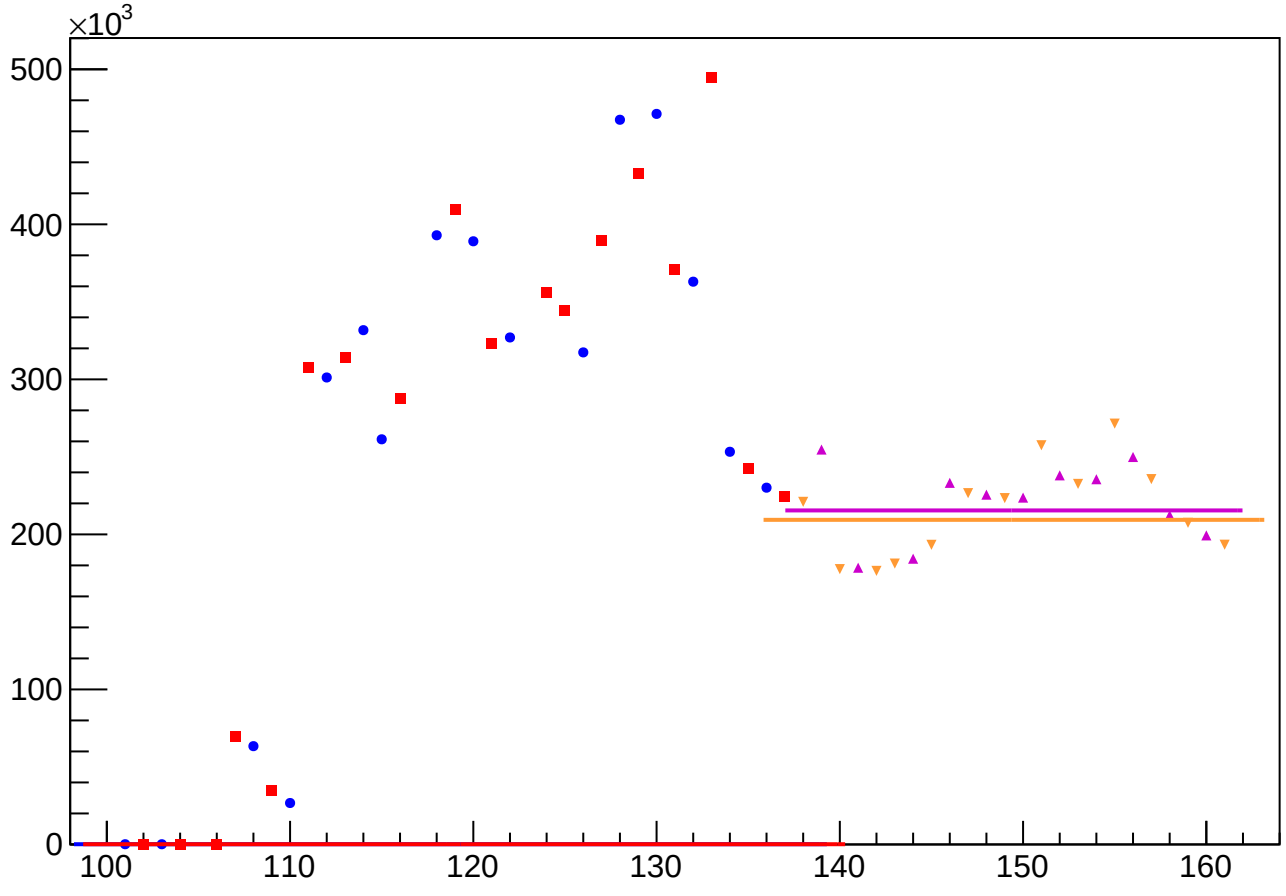
Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: -28.588+/-70.319 χ^2/NDF:10.0/10

+ sign -0.037+/-0.172 χ^2/NDF: 68.7/28

All: -0.208+/-0.117 χ^2/NDF: 97.2/58

- sign -0.355+/-0.160 χ^2/NDF: 26.7/29



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 209389.836+/-46.552 χ^2/NDF:347029.2/12

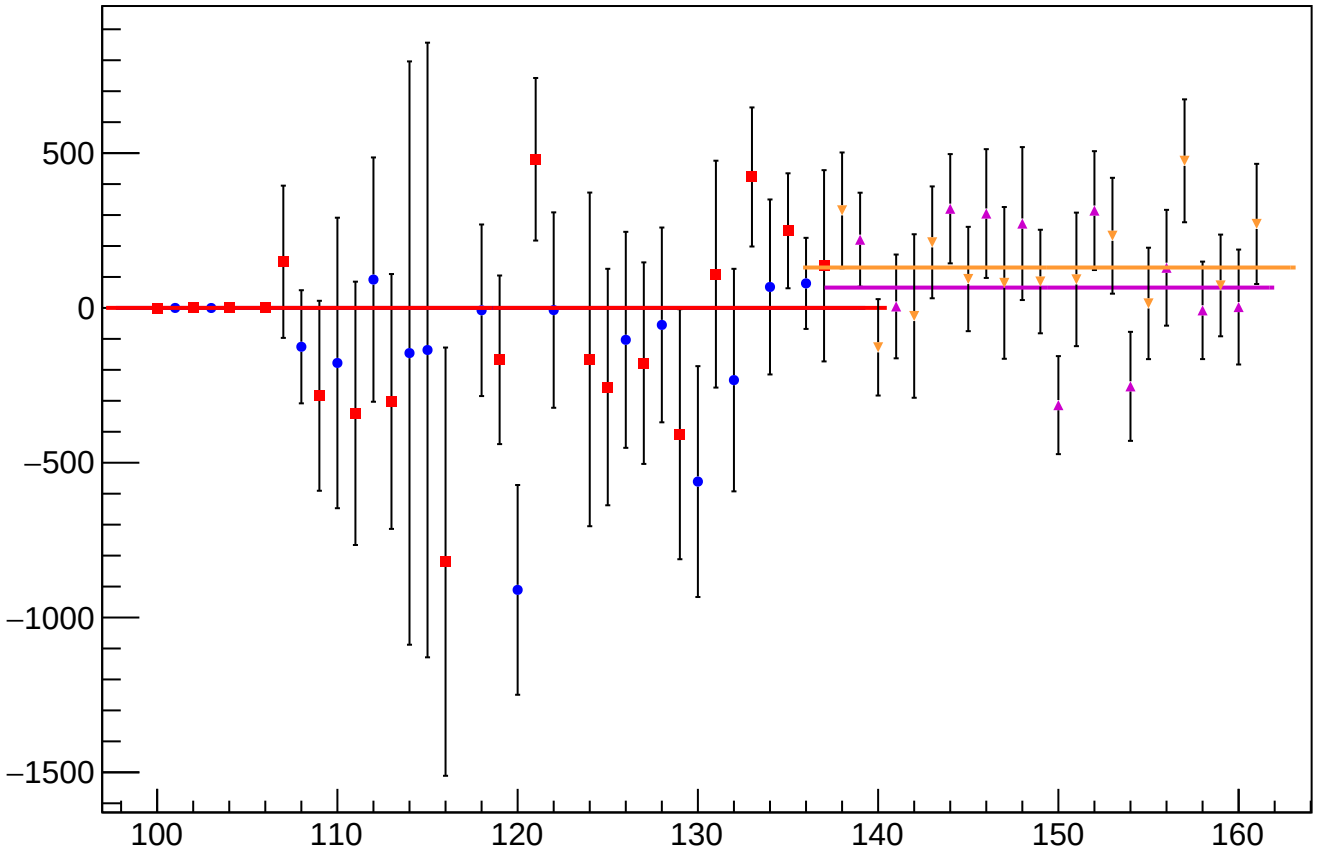
Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 215462.929+/-49.723 χ^2/NDF:253267.8/10

+ sign 150.525+/-0.122 χ^2/NDF: 31851586.5/28

All: 150.509+/-0.083 χ^2/NDF: 62144502.9/57

- sign 150.495+/-0.113 χ^2/NDF: 30292916.4/28



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 130.519+/-51.819 χ^2/NDF:8.8/12

Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

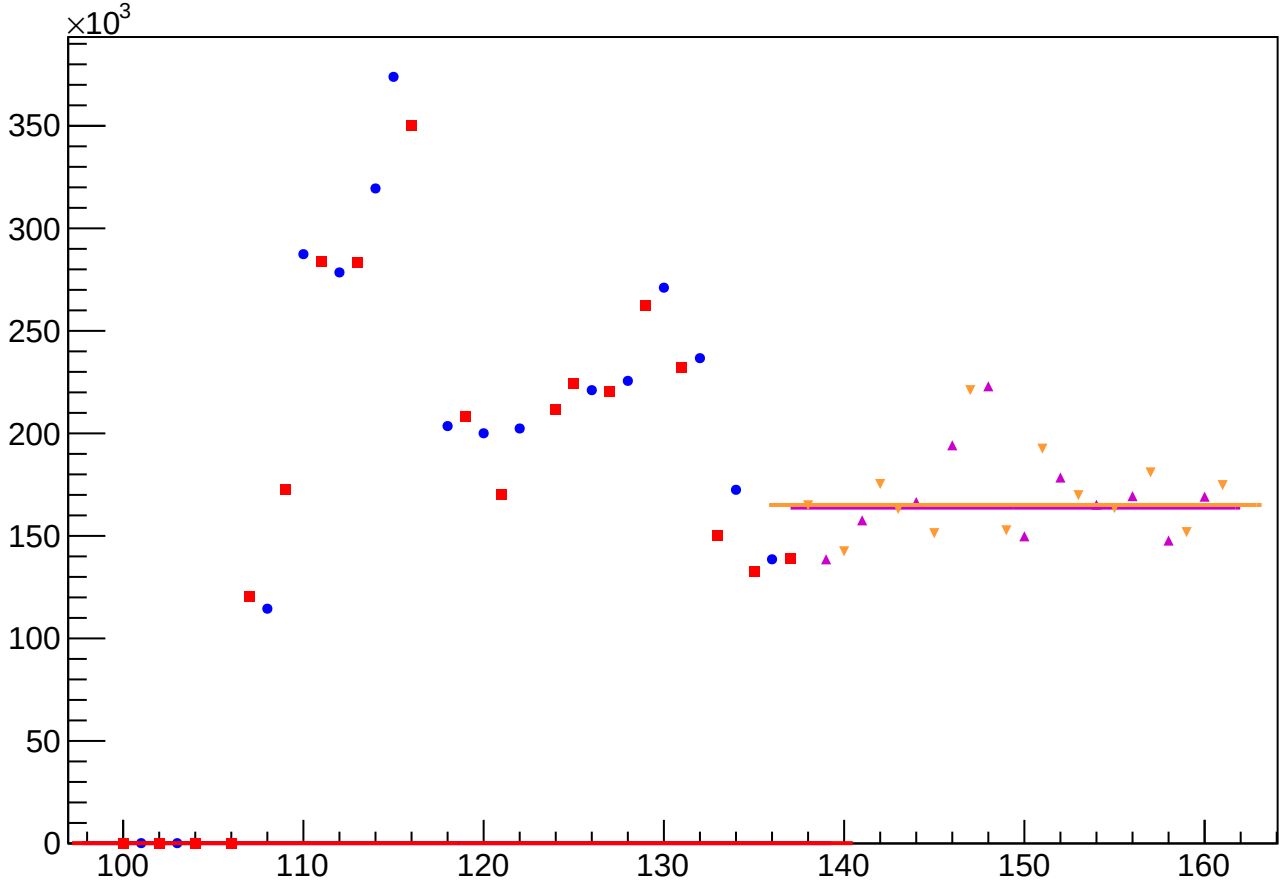
Left In: 65.676+/-53.616 χ^2/NDF:16.4/10

+ sign -0.067+/-0.177 χ^2/NDF: 26.4/28

All: 0.036+/-0.121 χ^2/NDF: 60.2/58

- sign 0.127+/-0.166 χ^2/NDF: 33.2/29

diff_cav4dY_rms vs Slug



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 165091.552+/-36.641 χ^2/NDF:238689.6/12

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

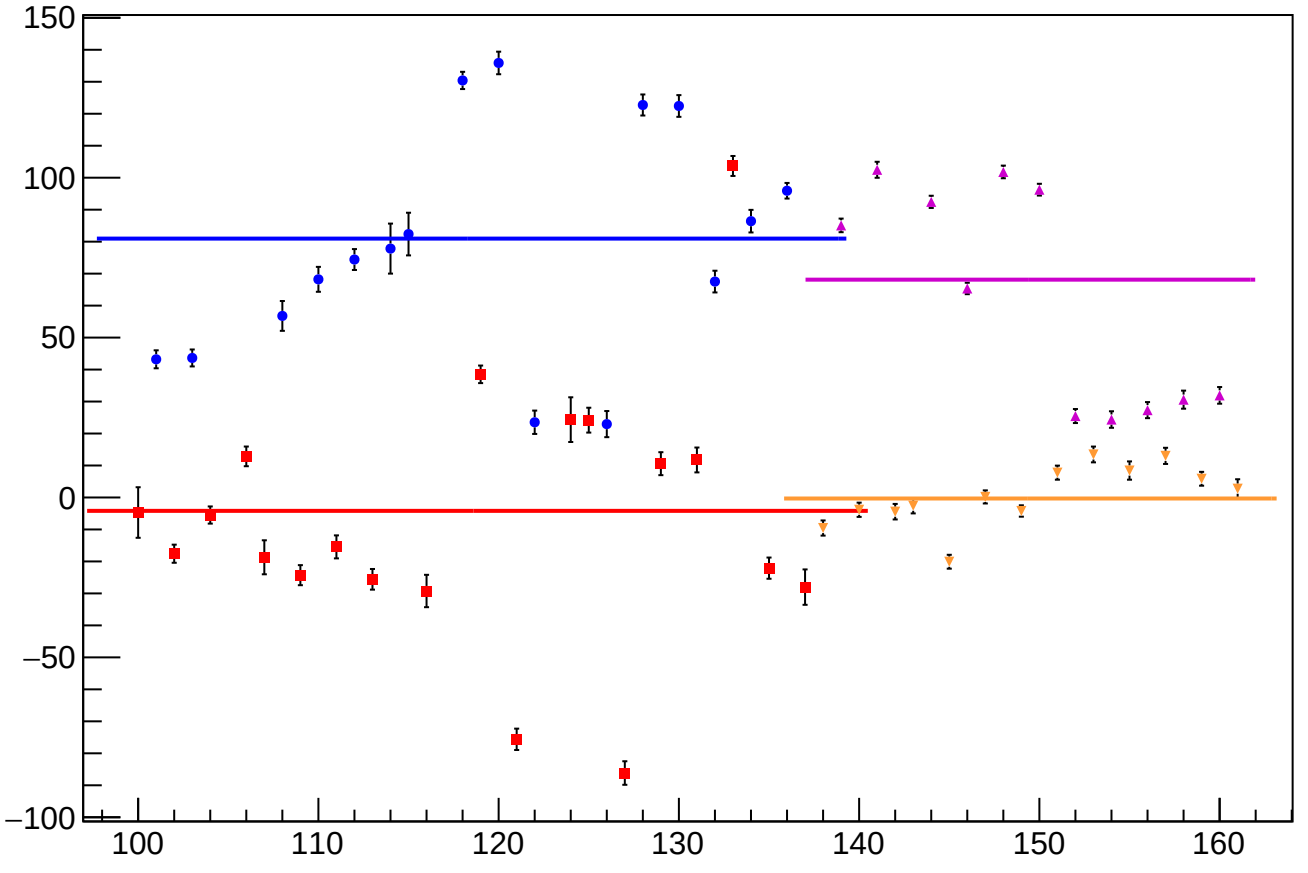
Left In: 163791.984+/-37.913 χ^2/NDF:267647.4/10

+ sign 155.389+/-0.125 χ^2/NDF: 32406086.4/28

All: 156.636+/-0.086 χ^2/NDF: 62633662.7/58

- sign 157.735+/-0.118 χ^2/NDF: 30227390.1/29

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -0.320+/-0.637 χ^2/NDF:200.3/12

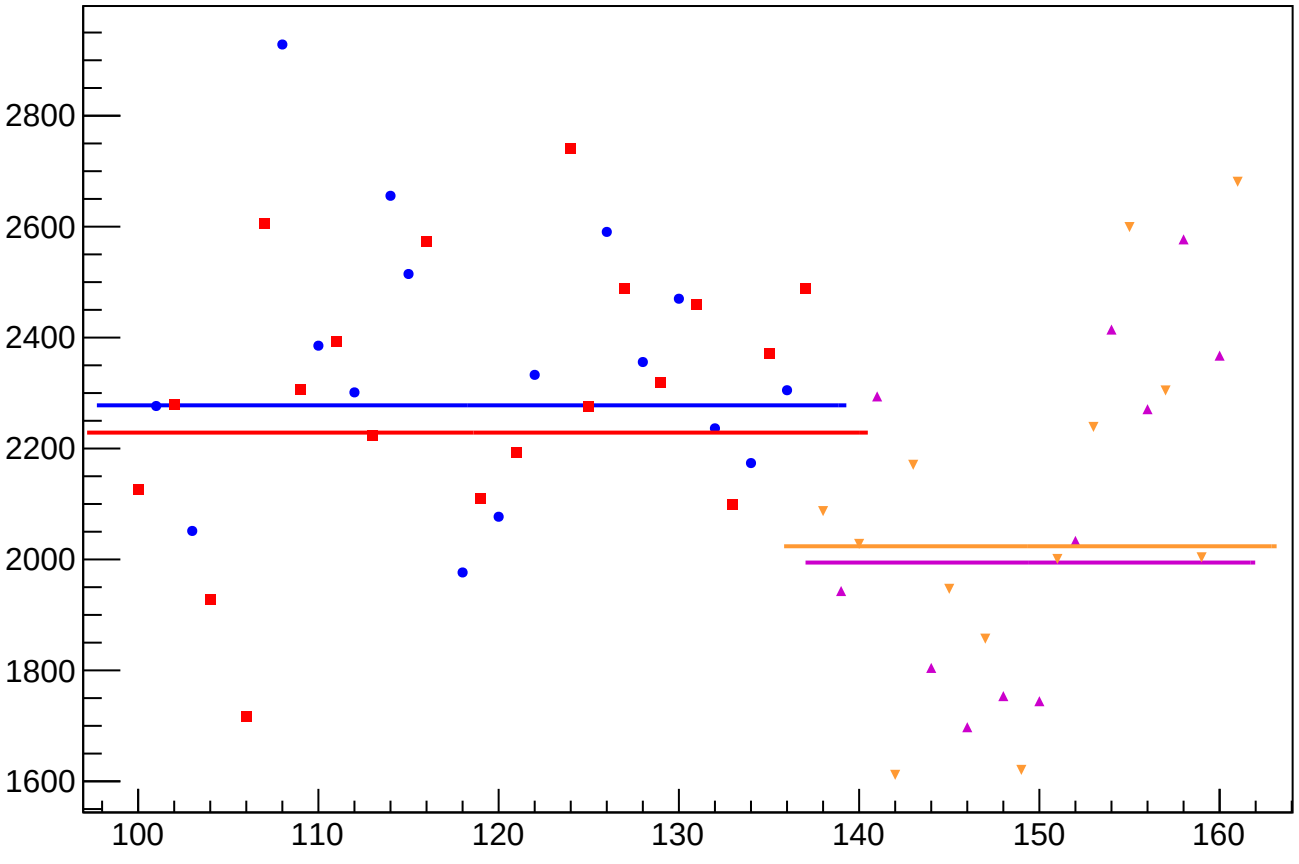
Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: 68.115+/-0.659 χ^2/NDF:2237.1/10

\+ sign 28.841+/-0.510 χ^2/NDF: 7856.6/28

All: 34.261+/-0.362 χ^2/NDF: 17764.4/58

\- sign 39.758+/-0.514 χ^2/NDF: 9680.3/29



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2023.757+/-0.450 χ^2/NDF:404830.7/12

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

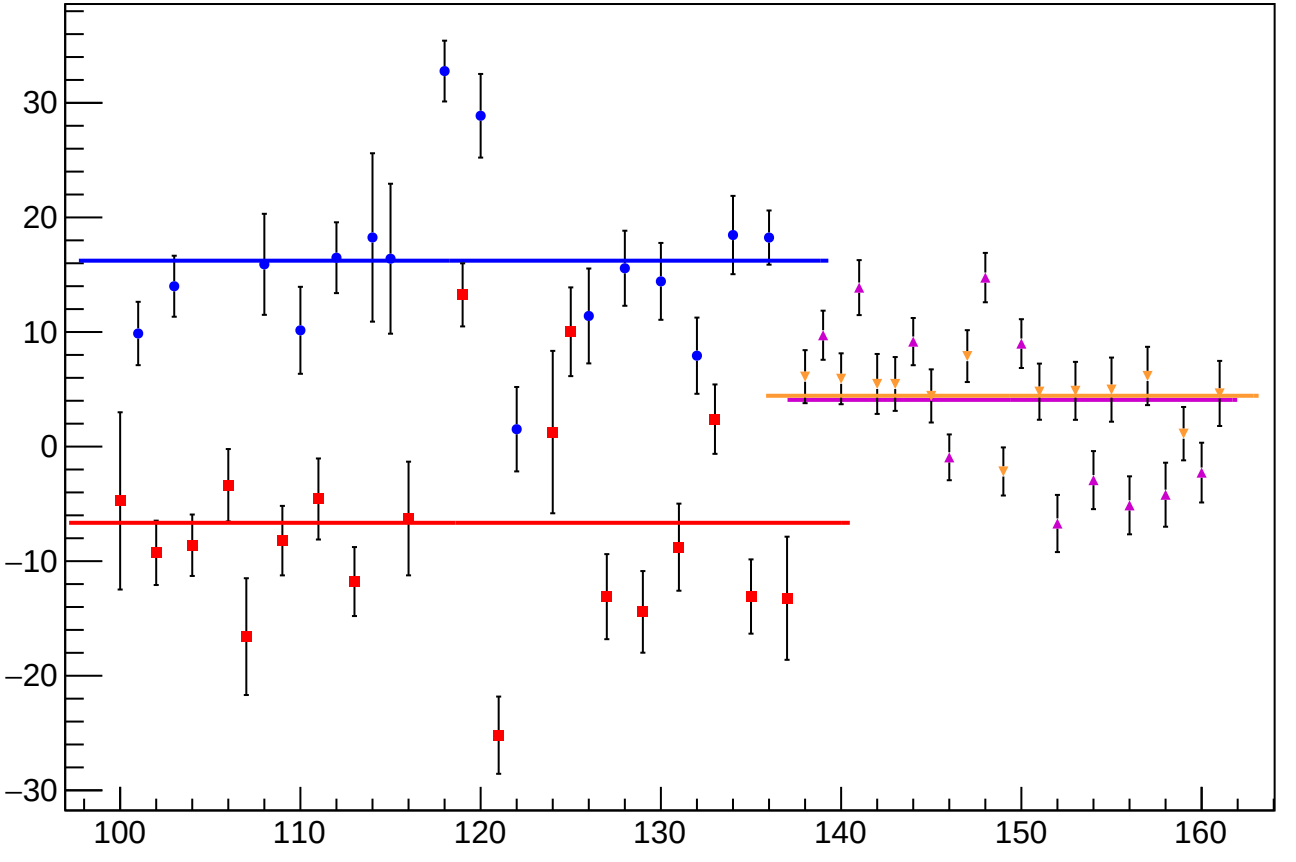
Left In: 1994.397+/-0.466 χ^2/NDF:374785.1/10

+ sign 2114.931+/-0.361 χ^2/NDF: 634823.3/28

All: 2100.711+/-0.256 χ^2/NDF: 1263085.8/58

- sign 2086.290+/-0.363 χ^2/NDF: 625131.1/29

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.437+/-0.668 χ^2/NDF:16.1/12

Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

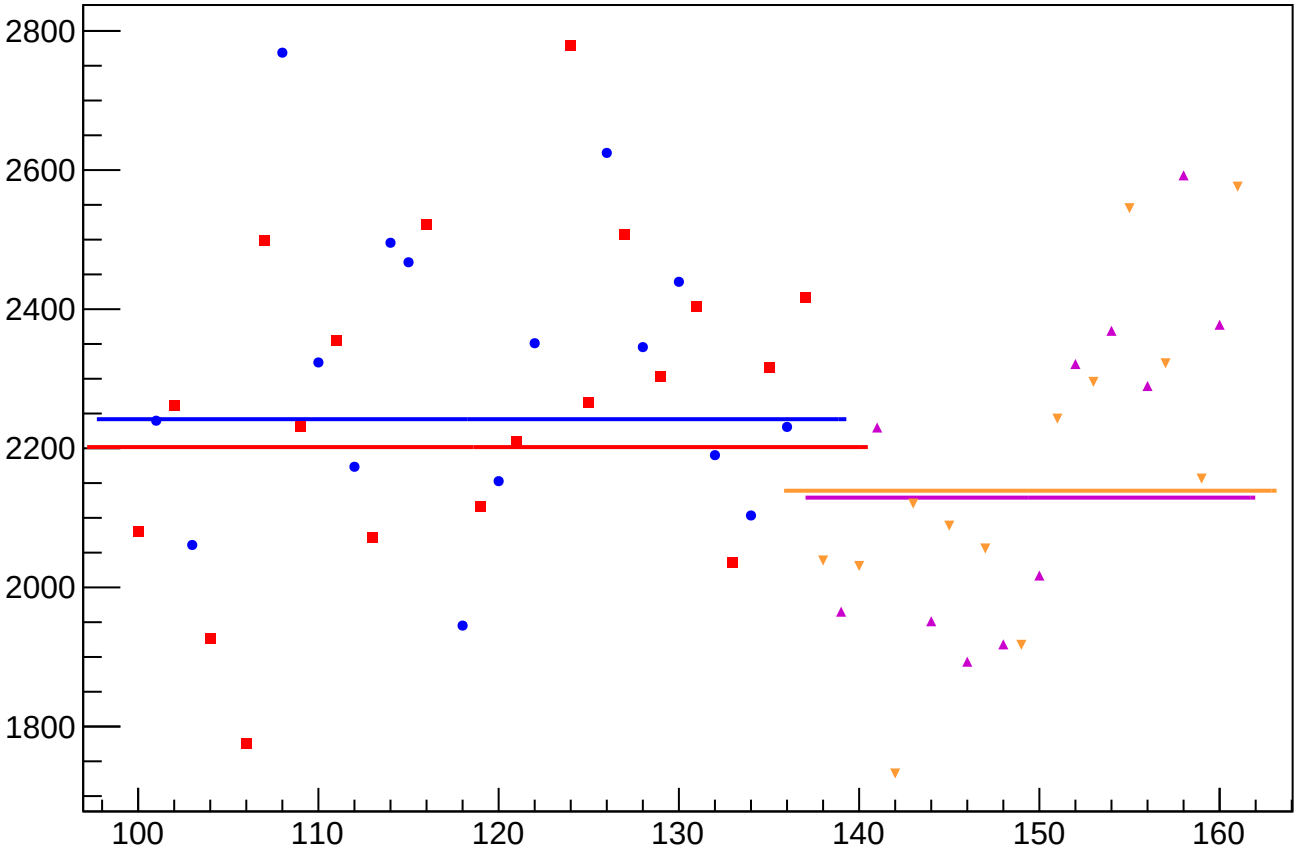
Left In: 4.077+/-0.697 χ^2/NDF:120.1/10

+ sign 9.024+/-0.522 χ^2/NDF: 221.7/28

All: 4.317+/-0.371 χ^2/NDF: 741.3/58

- sign -0.489+/-0.528 χ^2/NDF: 355.6/29

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2139.017+/-0.473 χ^2/NDF:193994.5/12

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

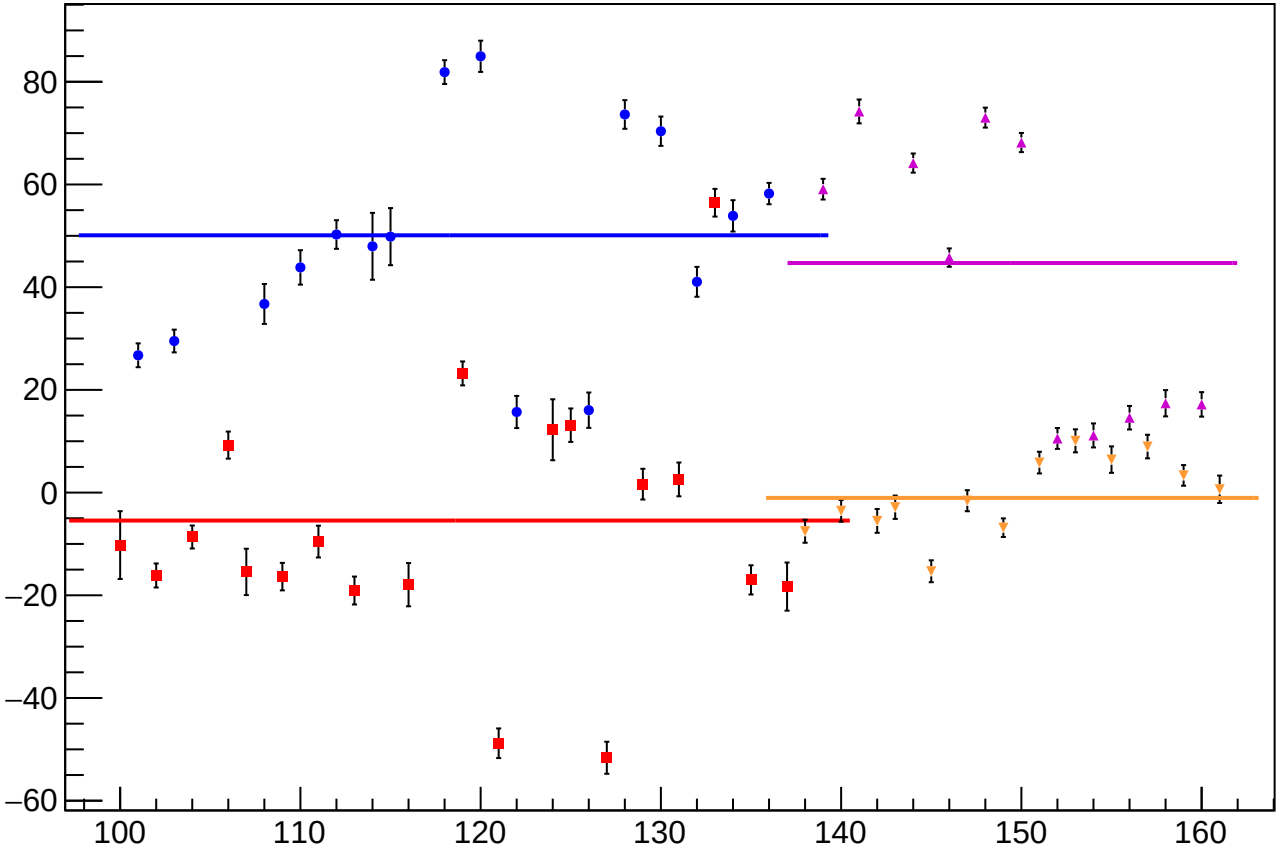
Left In: 2129.079+/-0.493 χ^2/NDF:193660.7/10

+ sign 2179.031+/-0.369 χ^2/NDF: 314671.9/28

All: 2169.615+/-0.263 χ^2/NDF: 648788.2/58

- sign 2160.001+/-0.373 χ^2/NDF: 332803.7/29

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -1.034+/-0.607 χ^2/NDF:136.9/12

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

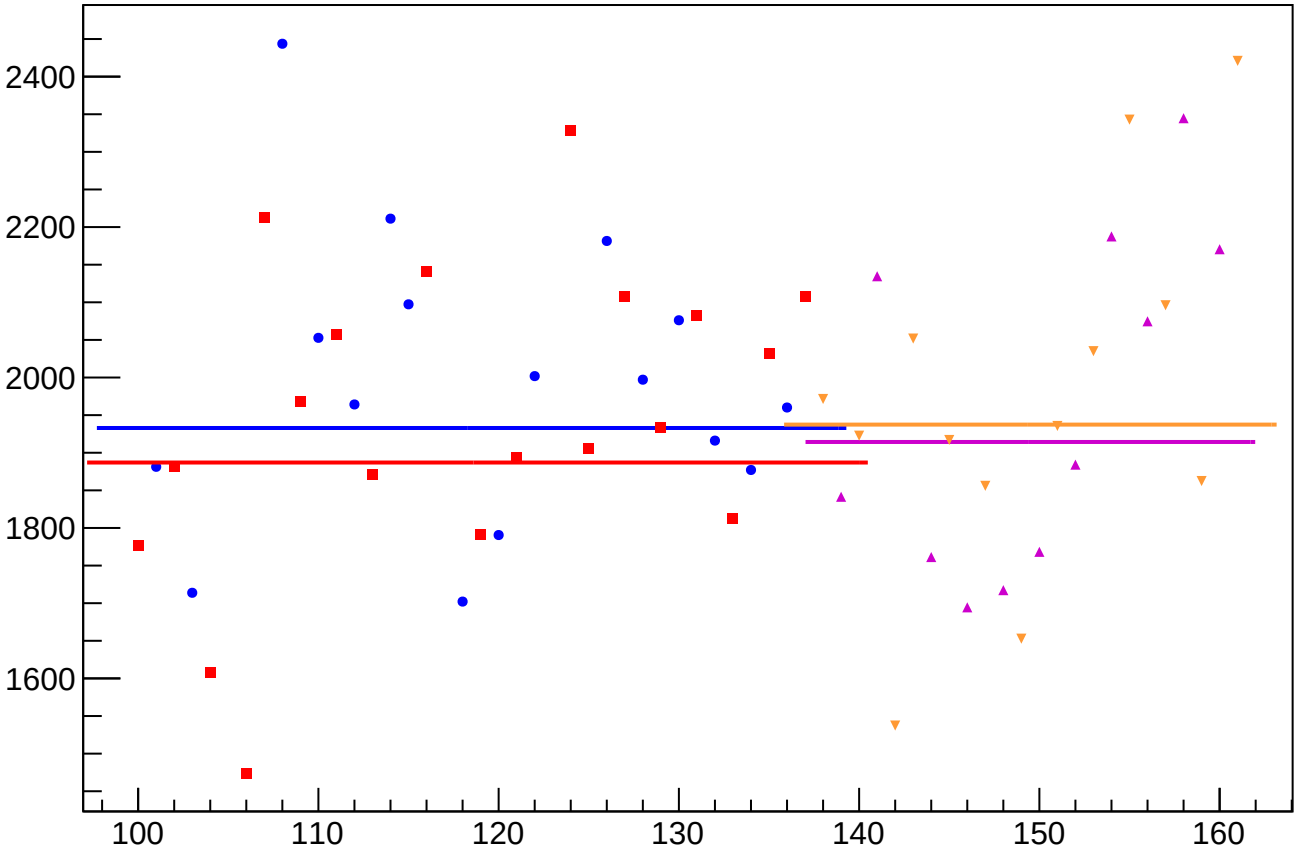
Left In: 44.705+/-0.629 χ^2/NDF:1600.0/10

+ sign 20.130+/-0.465 χ^2/NDF: 3964.7/28

All: 21.108+/-0.329 χ^2/NDF: 9750.2/58

- sign 22.094+/-0.466 χ^2/NDF: 5776.6/29

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1937.408+/-0.429 χ^2/NDF:248881.7/12

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

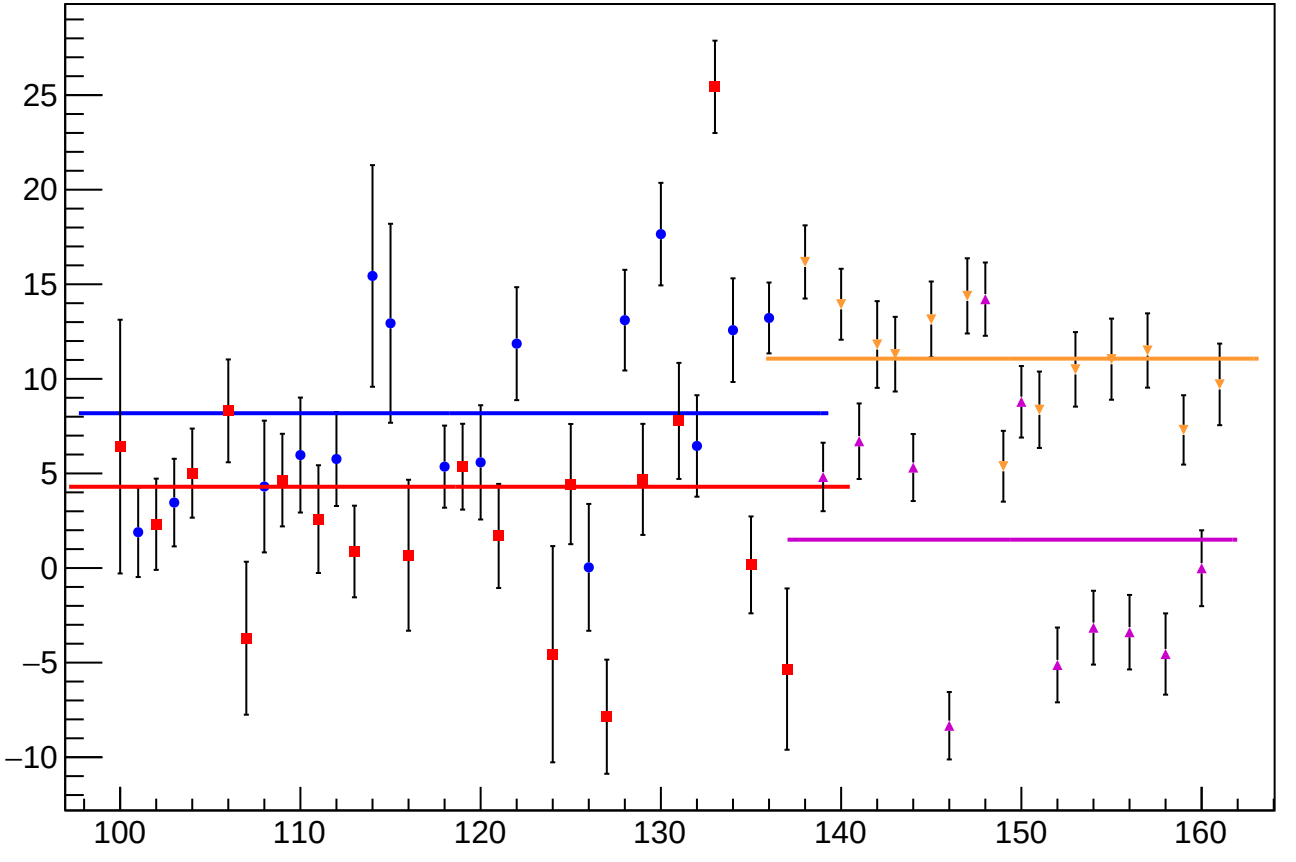
Left In: 1914.316+/-0.445 χ^2/NDF:214223.4/10

+ sign 1935.544+/-0.328 χ^2/NDF: 354894.9/28

All: 1918.832+/-0.233 χ^2/NDF: 725759.1/58

- sign 1902.002+/-0.330 χ^2/NDF: 365669.4/29

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.069+/-0.552 χ^2/NDF:29.1/12

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

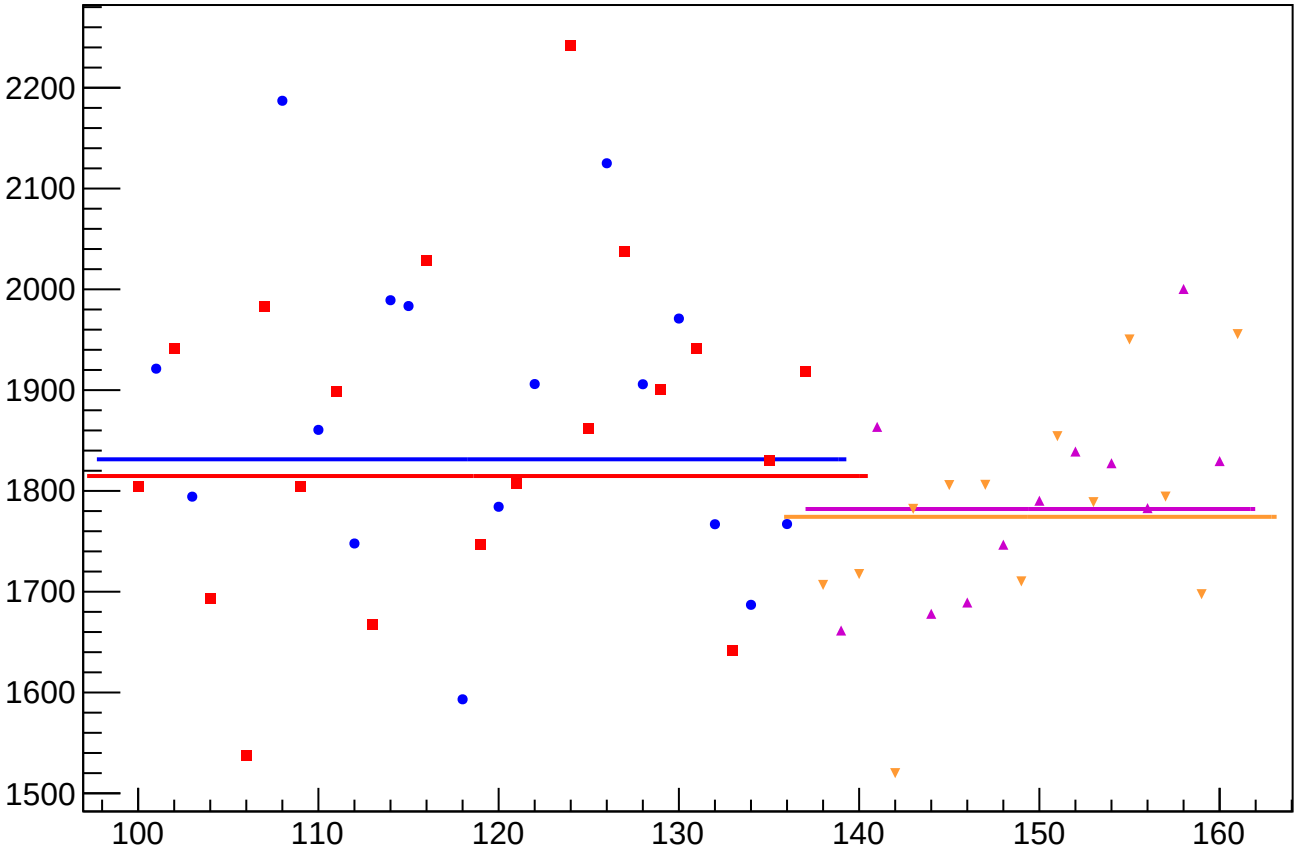
Left In: 1.499+/-0.580 χ^2/NDF:134.7/10

\+ sign 9.929+/-0.430 χ^2/NDF: 91.8/28

All: 6.379+/-0.306 χ^2/NDF: 489.5/58

\- sign 2.706+/-0.437 χ^2/NDF: 258.7/29

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1774.289+/-0.391 χ^2/NDF:66842.2/12

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

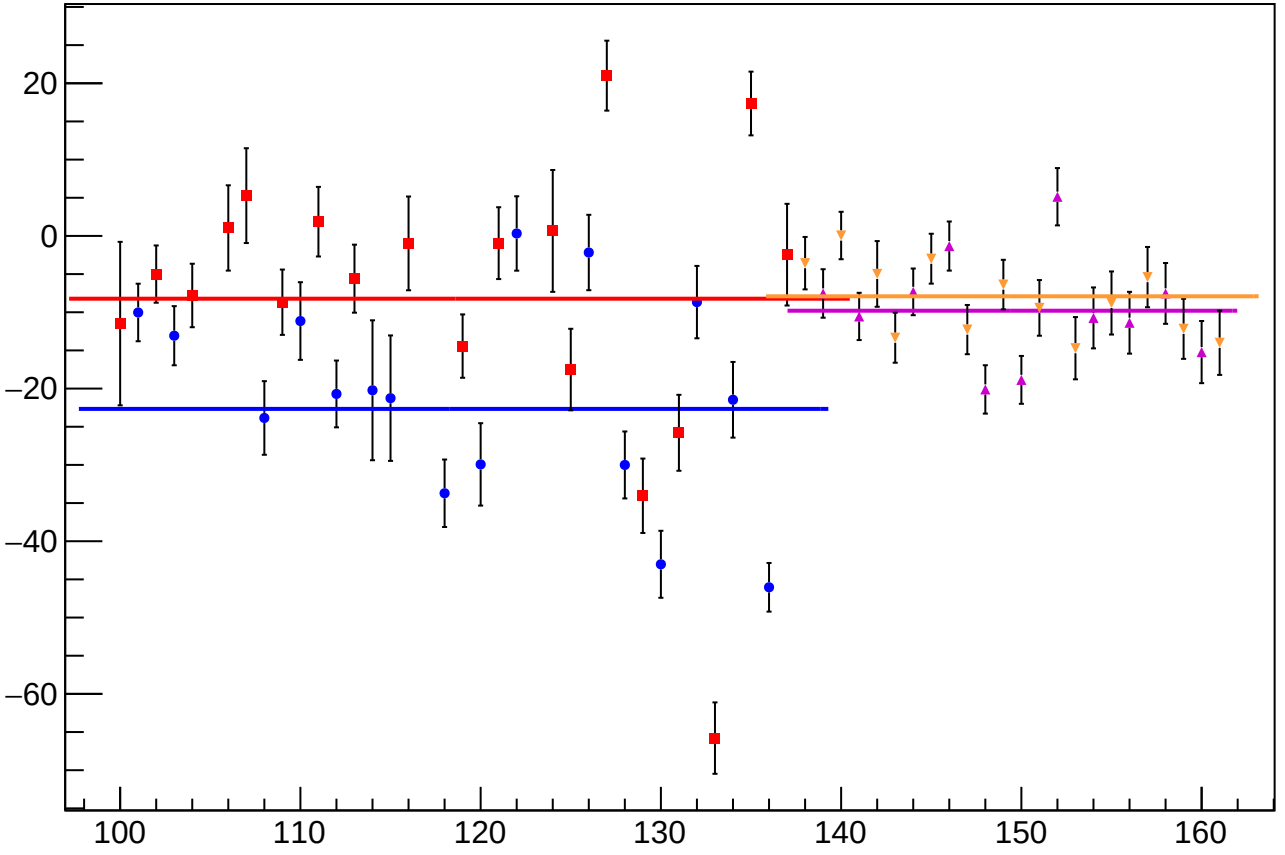
Left In: 1782.062+/-0.410 χ^2/NDF:49746.8/10

+ sign 1796.832+/-0.304 χ^2/NDF: 162195.6/28

All: 1796.507+/-0.217 χ^2/NDF: 305431.8/58

- sign 1796.171+/-0.309 χ^2/NDF: 143233.8/29

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -7.909+/-1.000 χ^2/NDF:22.4/12

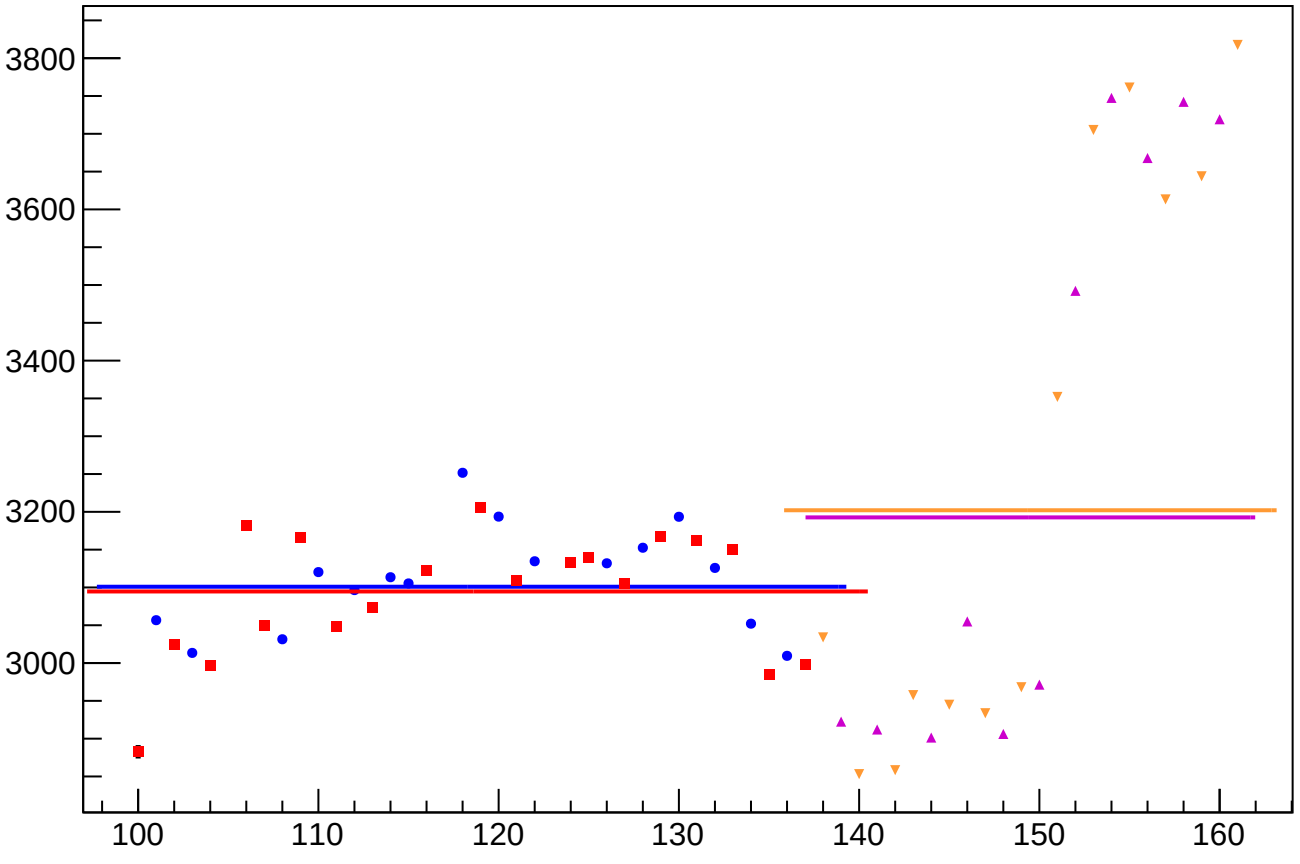
Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: -9.798+/-1.039 χ^2/NDF:45.2/10

+ sign -14.253+/-0.755 χ^2/NDF: 273.1/28

All: -11.696+/-0.537 χ^2/NDF: 637.3/58

- sign -9.076+/-0.765 χ^2/NDF: 341.1/29



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3202.089+/-0.707 χ^2/NDF:250626.1/12

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

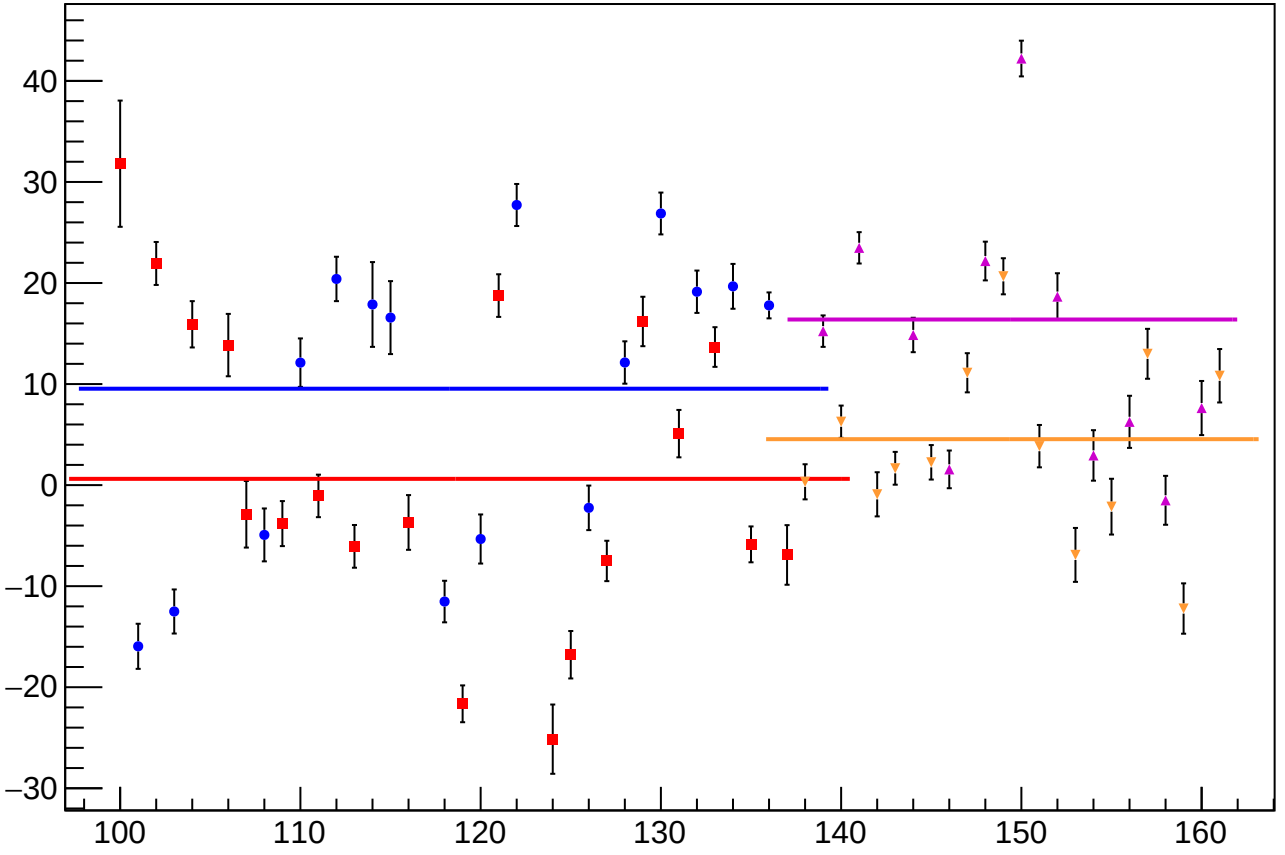
Left In: 3192.647+/-0.735 χ^2/NDF:229399.9/10

+ sign 3158.600+/-0.534 χ^2/NDF: 267310.1/28

All: 3153.222+/-0.380 χ^2/NDF: 513652.7/58

- sign 3147.713+/-0.541 χ^2/NDF: 246137.4/29

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 4.546+/-0.559 χ^2/NDF:198.2/12

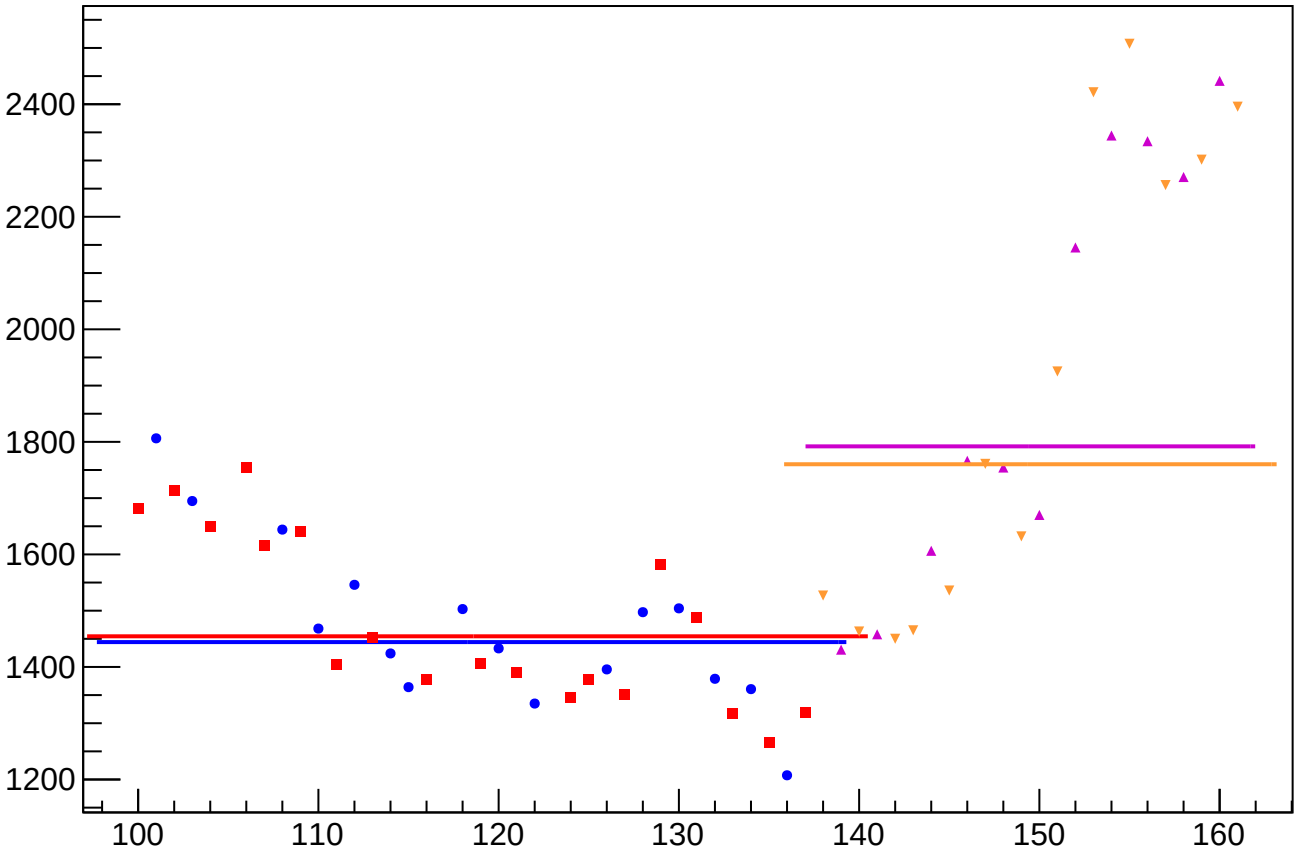
Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: 16.388+/-0.591 χ^2/NDF:418.8/10

+ sign 7.123+/-0.389 χ^2/NDF: 938.1/28

All: 7.408+/-0.278 χ^2/NDF: 2415.4/58

- sign 7.704+/-0.396 χ^2/NDF: 1476.2/29



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1760.230+/-0.395 χ^2/NDF:828741.8/12

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

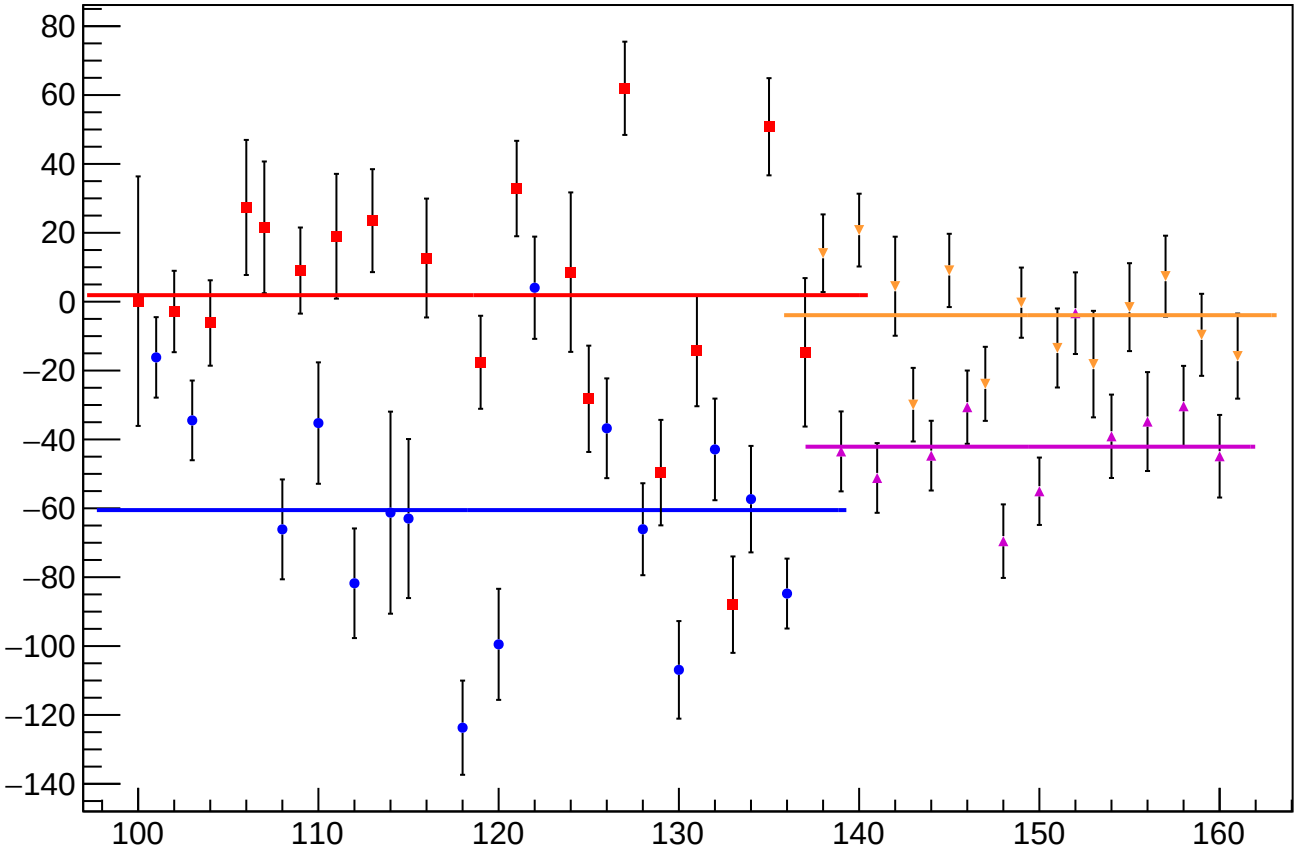
Left In: 1792.011+/-0.418 χ^2/NDF:663476.5/10

+ sign 1597.173+/-0.275 χ^2/NDF: 1338915.3/28

All: 1601.561+/-0.196 χ^2/NDF: 2504558.9/58

- sign 1606.121+/-0.280 χ^2/NDF: 1165124.2/29

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -3.920+/-3.223 χ^2/NDF:23.0/12

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

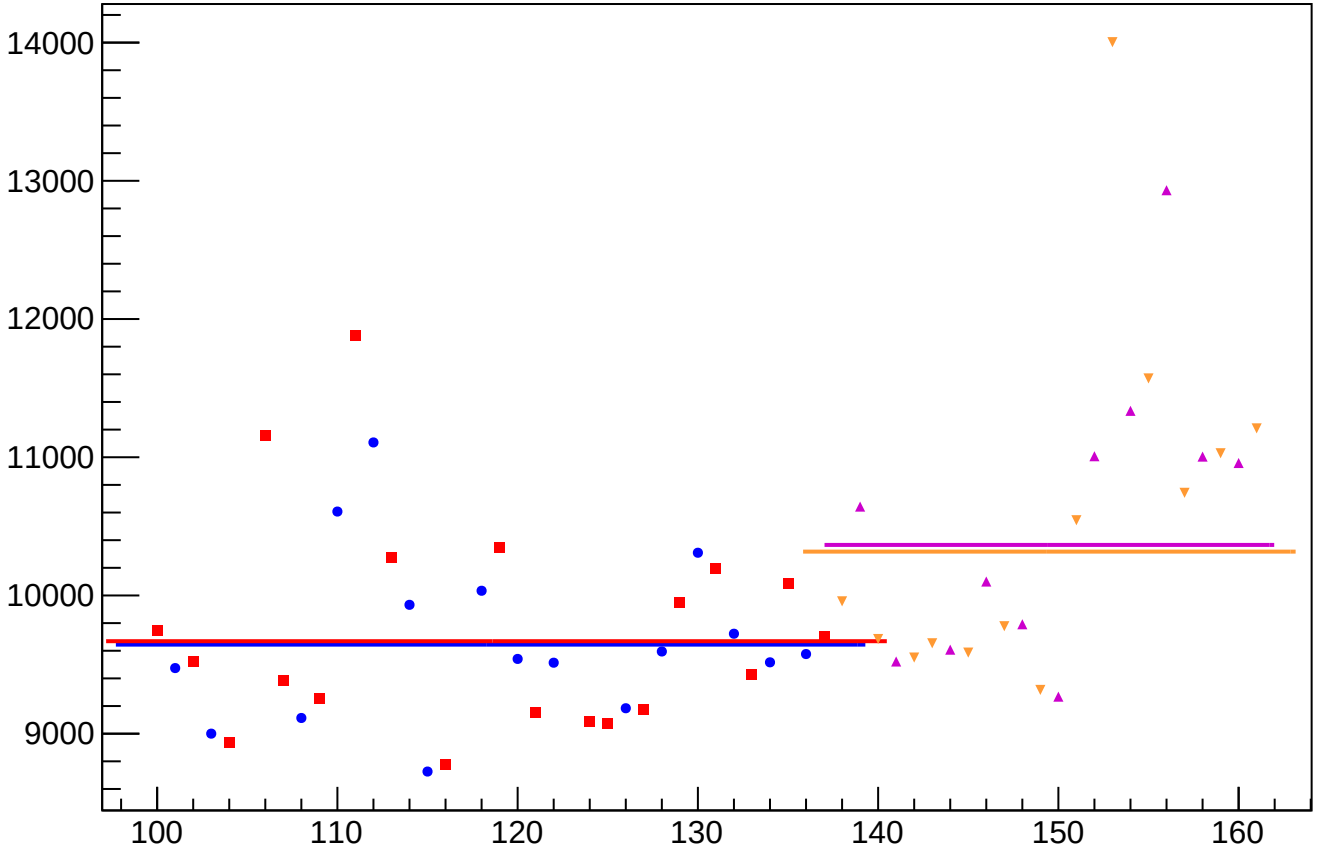
Left In: -42.107+/-3.371 χ^2/NDF:22.5/10

+ sign -29.125+/-2.400 χ^2/NDF: 250.7/28

All: -25.232+/-1.712 χ^2/NDF: 463.3/58

- sign -21.202+/-2.442 χ^2/NDF: 207.3/29

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10317.249+/-2.279 χ^2/NDF:210172.8/12

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

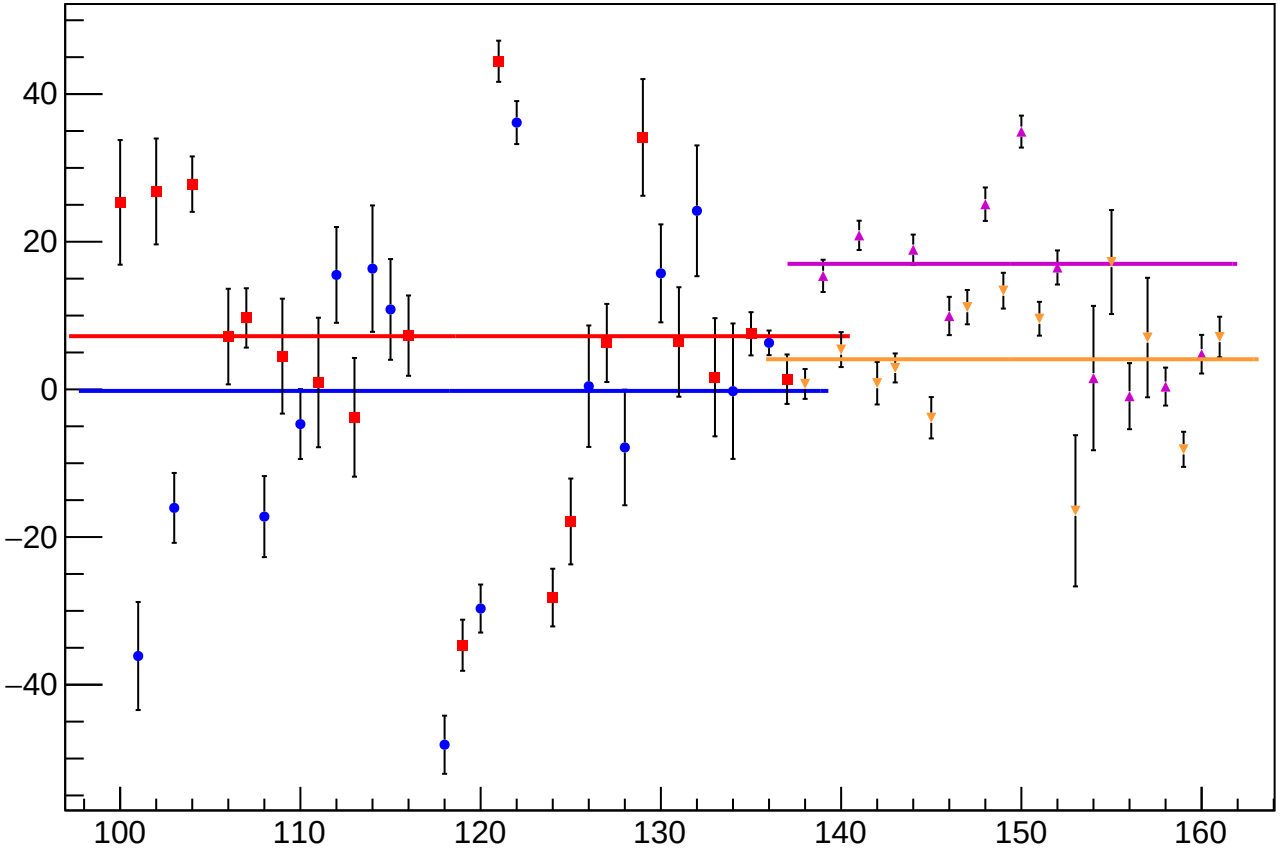
Left In: 10365.709+/-2.383 χ^2/NDF:151837.9/10

+ sign 10017.588+/-1.697 χ^2/NDF: 293105.7/28

All: 10026.022+/-1.210 χ^2/NDF: 565453.0/58

- sign 10034.754+/-1.727 χ^2/NDF: 272297.0/29

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 4.083+/-0.739 χ^2/NDF:77.5/12

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

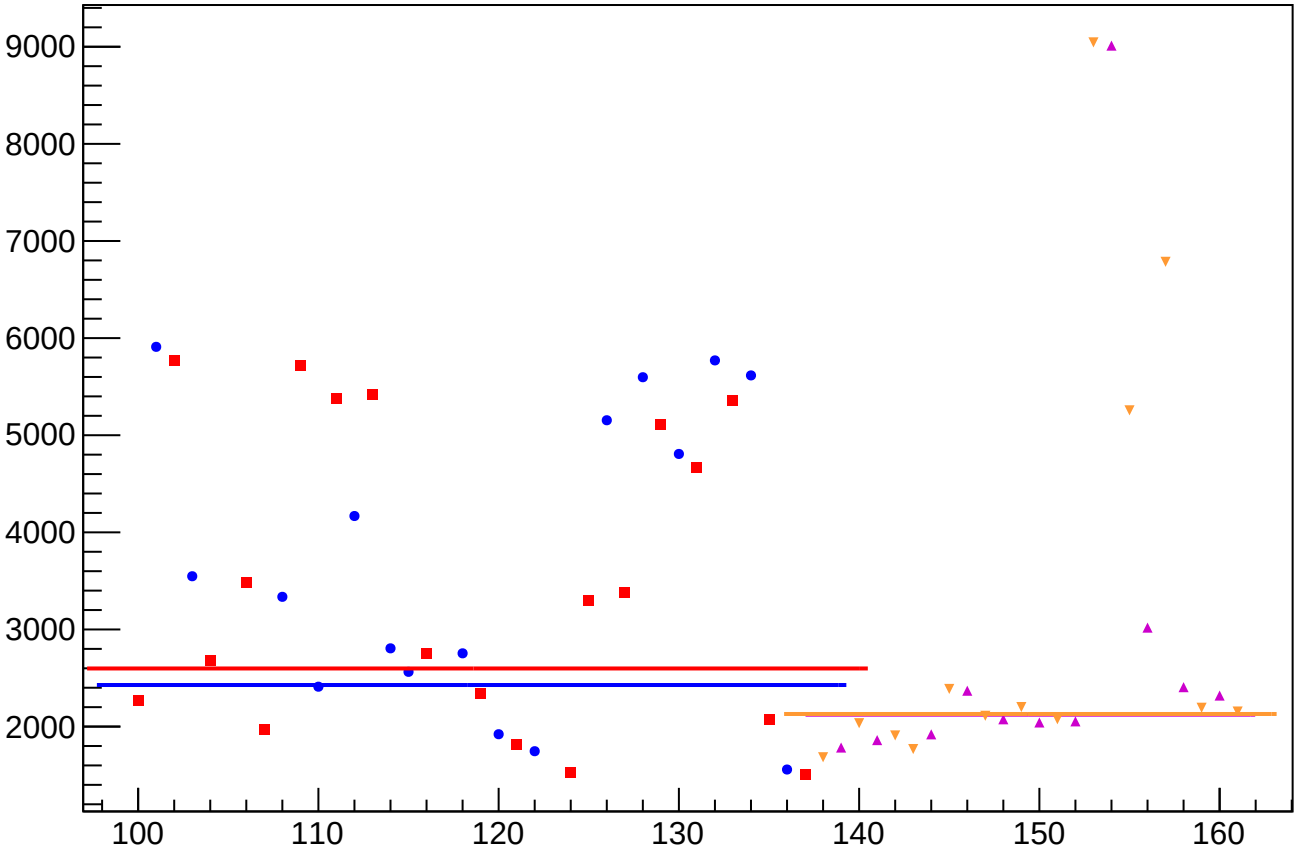
Left In: 17.005+/-0.744 χ^2/NDF:176.1/10

+ sign 2.654+/-0.603 χ^2/NDF: 562.5/28

All: 8.166+/-0.430 χ^2/NDF: 1449.6/58

- sign 13.827+/-0.611 χ^2/NDF: 718.0/29

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2129.725+/-0.523 χ^2/NDF:2169047.0/12

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

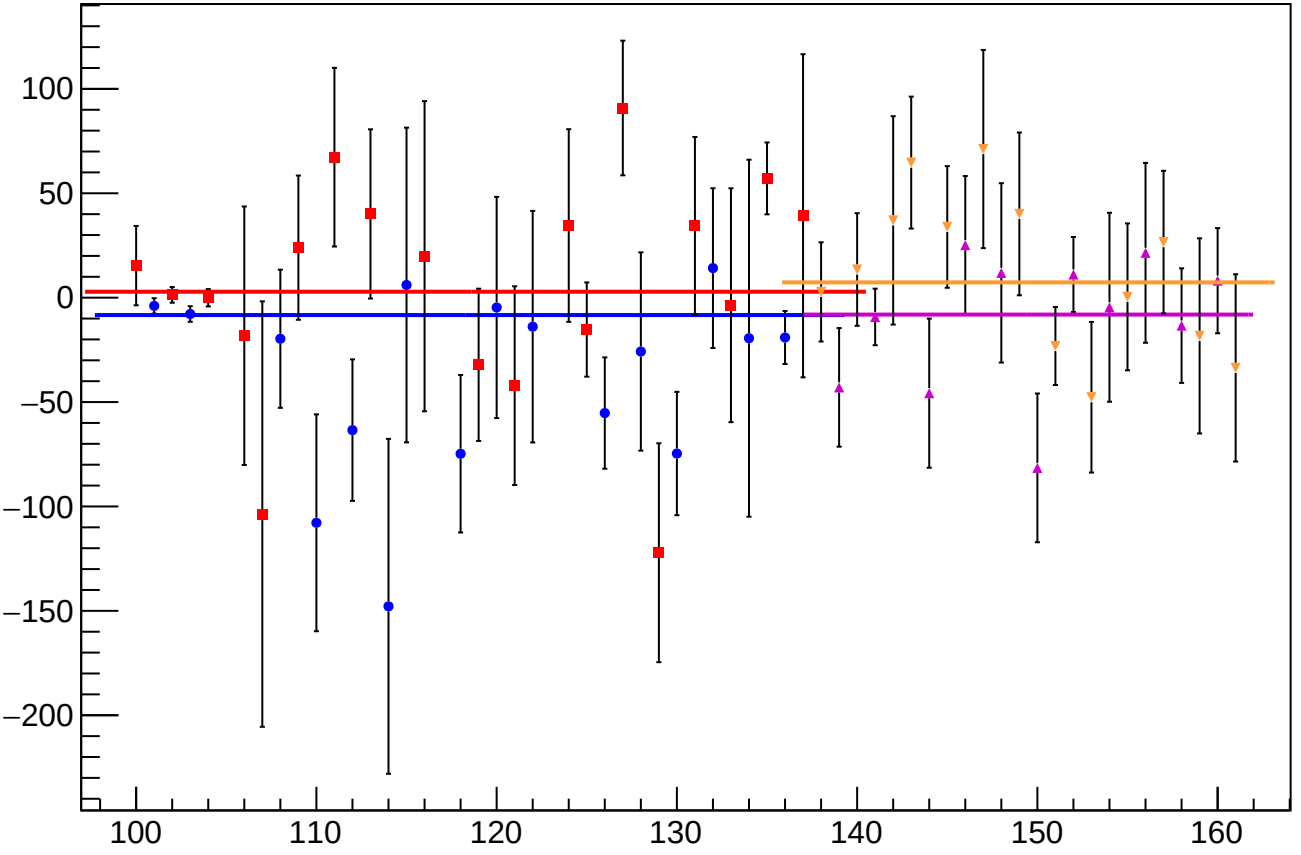
Left In: 2122.425+/-0.526 χ^2/NDF:1235069.4/10

+ sign 2229.152+/-0.427 χ^2/NDF: 5093008.2/28

All: 2252.661+/-0.304 χ^2/NDF: 9114652.4/58

- sign 2276.798+/-0.432 χ^2/NDF: 4015492.6/29

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.333+/-8.742 χ^2/NDF:13.6/12

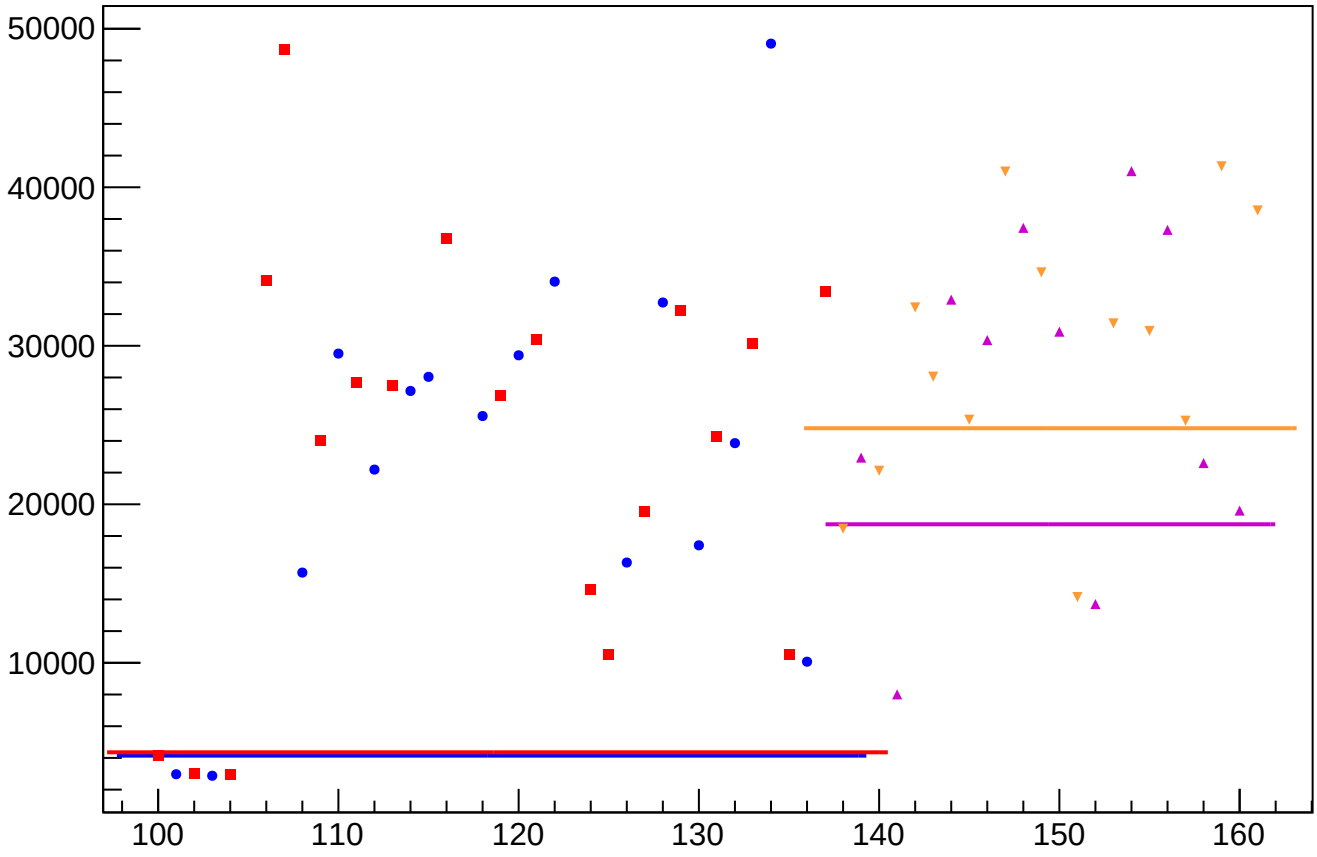
Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: -8.097+/-7.729 χ^2/NDF:10.2/10

+ sign -7.149+/-2.403 χ^2/NDF: 40.0/28

All: -2.893+/-1.732 χ^2/NDF: 91.1/58

- sign 1.705+/-2.498 χ^2/NDF: 44.6/29



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 24798.885+/-6.182 χ^2/NDF:1807346.3/12

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

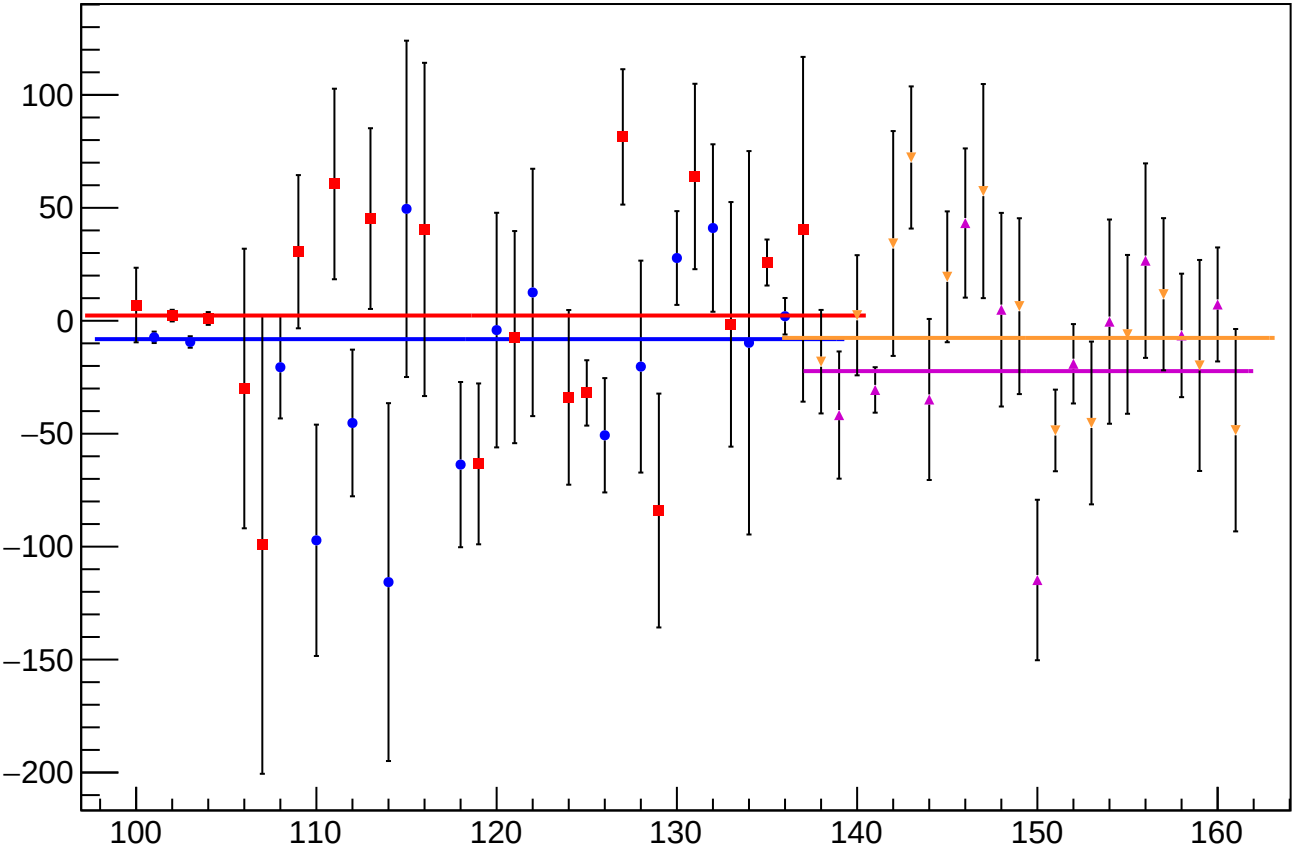
Left In: 18739.276+/-5.465 χ^2/NDF:3526344.8/10

+ sign 5706.329+/-1.699 χ^2/NDF: 18963028.3/28

All: 5778.720+/-1.225 χ^2/NDF: 36322101.3/5

- sign 5856.937+/-1.766 χ^2/NDF: 17355297.0/29

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -7.589+/-8.604 χ^2/NDF:17.8/12

Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

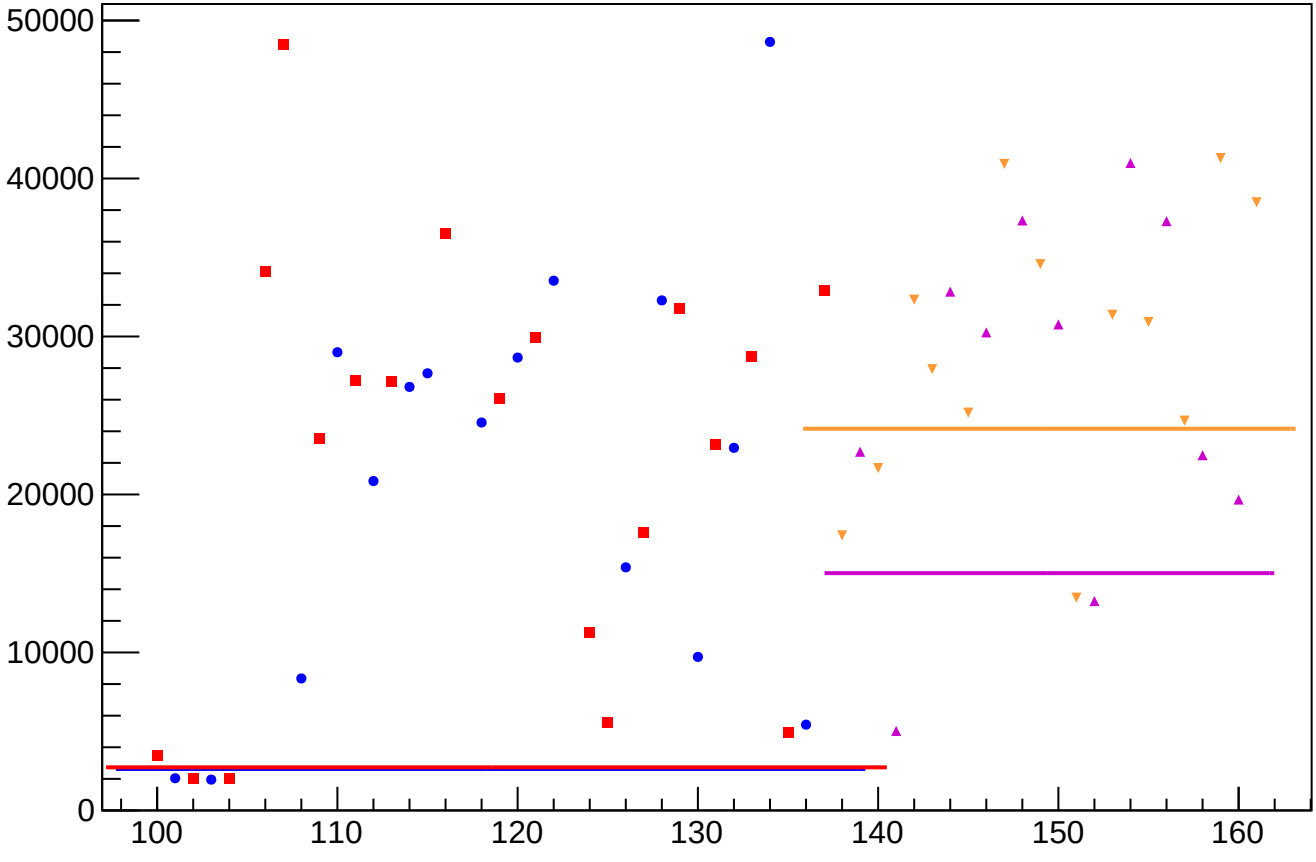
Left In: -22.288+/-6.844 χ^2/NDF:15.7/10

+ sign -8.112+/-1.687 χ^2/NDF: 37.0/28

All: -3.895+/-1.218 χ^2/NDF: 110.8/58

- sign 0.696+/-1.760 χ^2/NDF: 60.8/29

diff_bpm0l03Y_rms vs Slug



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 24161.675+/-6.084 χ^2/NDF:1997682.4/12

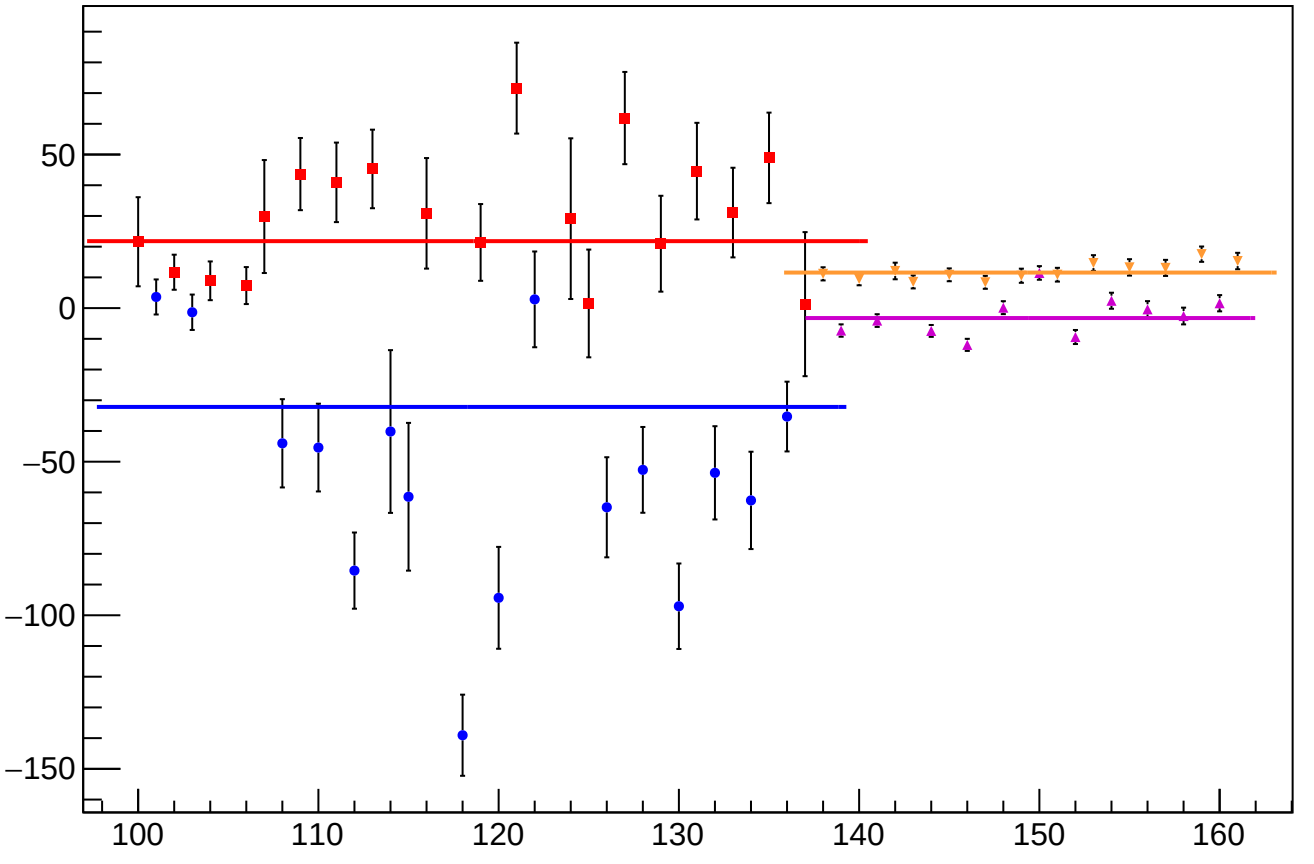
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15020.176+/-4.839 χ^2/NDF:5412848.6/10

+ sign 3454.253+/-1.193 χ^2/NDF: 20825129.8/28

All: 3496.901+/-0.861 χ^2/NDF: 40249331.8/5

- sign 3543.339+/-1.245 χ^2/NDF: 19421532.0/29



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 11.571+/-0.646 χ^2/NDF:15.8/12

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

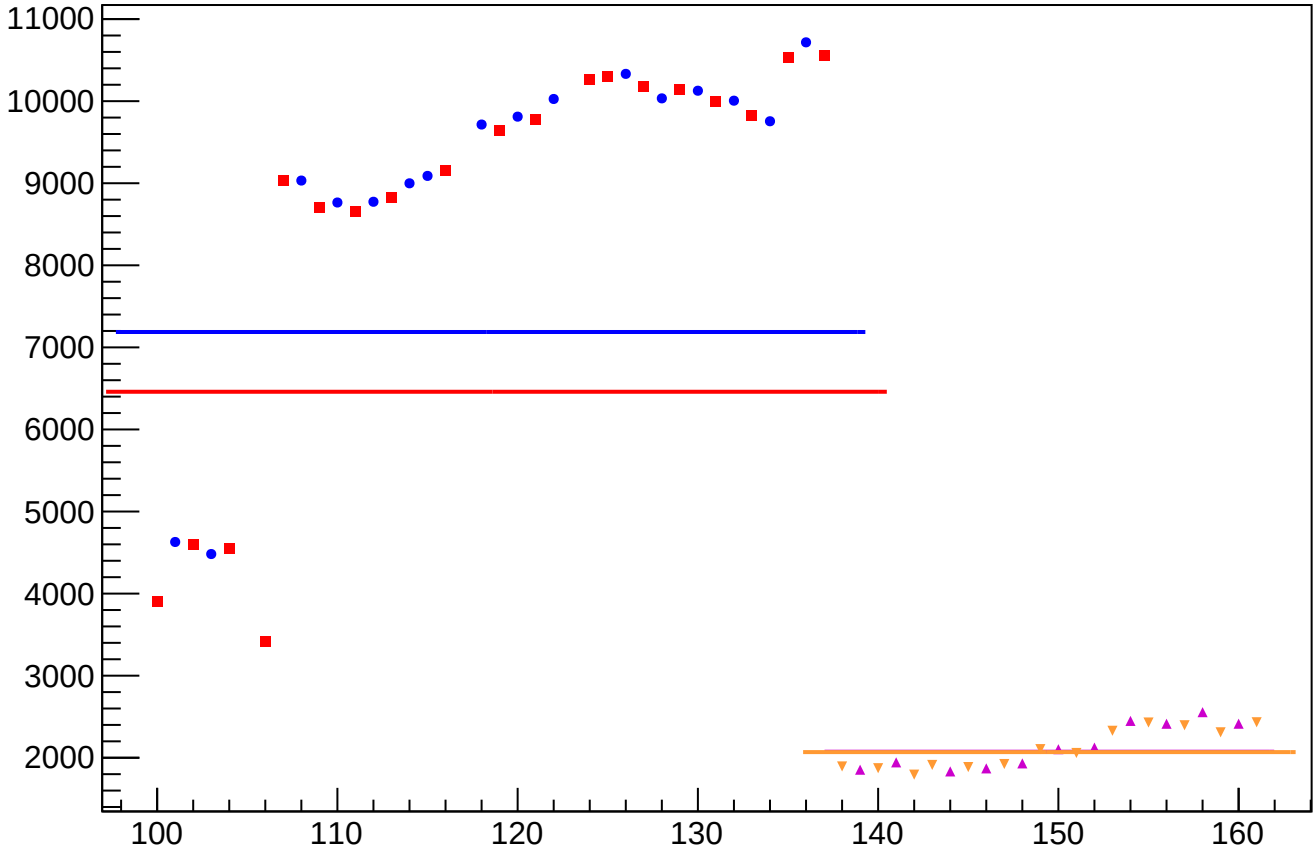
Left In: -3.234+/-0.676 χ^2/NDF:91.3/10

+ sign 9.420+/-0.630 χ^2/NDF: 448.8/28

All: 4.110+/-0.454 χ^2/NDF: 826.1/58

- sign -1.599+/-0.654 χ^2/NDF: 230.0/29

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2068.834+/-0.457 χ^2/NDF:231994.1/12

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

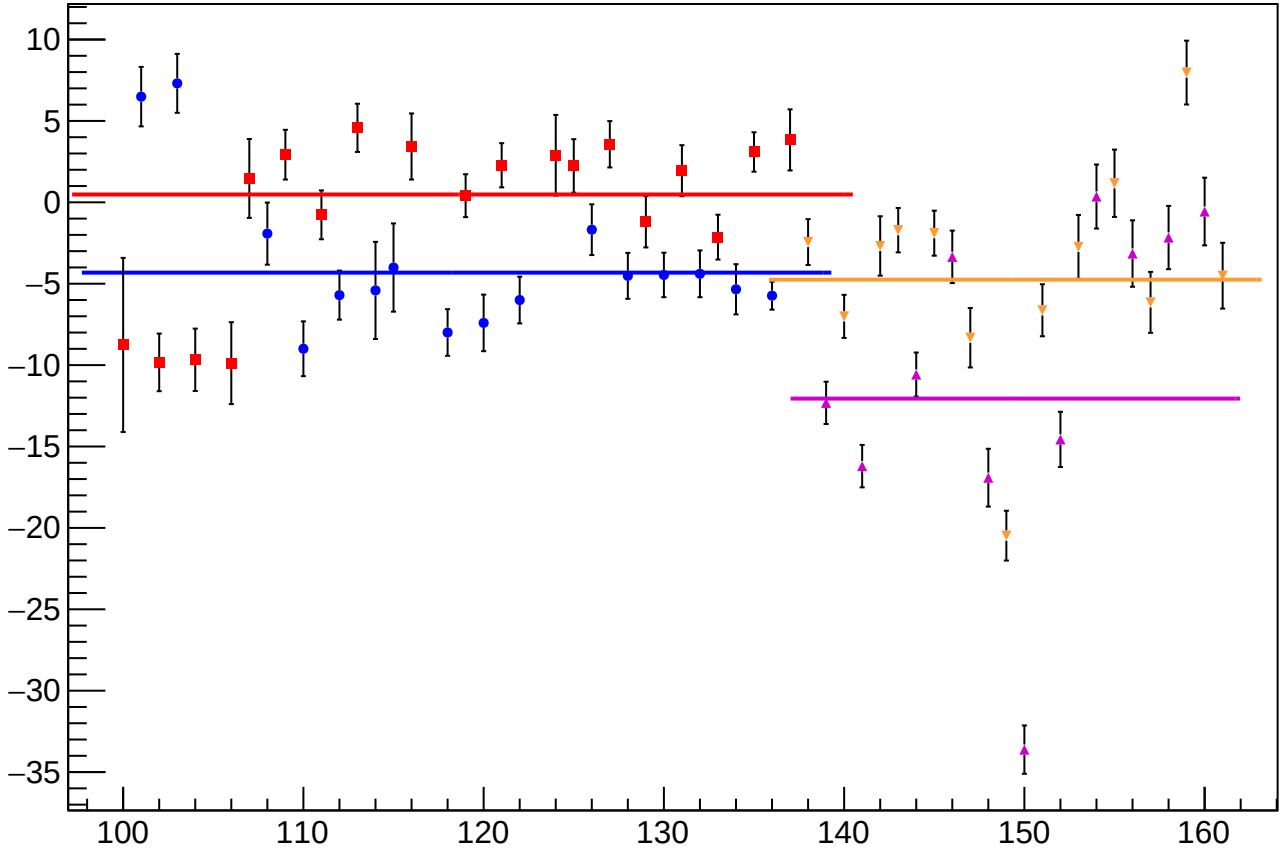
Left In: 2073.483+/-0.478 χ^2/NDF:263861.2/10

+ sign 2320.593+/-0.446 χ^2/NDF: 8107443.0/28

All: 2339.542+/-0.321 χ^2/NDF: 16149725.9/5

- sign 2359.918+/-0.462 χ^2/NDF: 8038530.8/29

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -4.752+/-0.455 χ^2/NDF:178.7/12

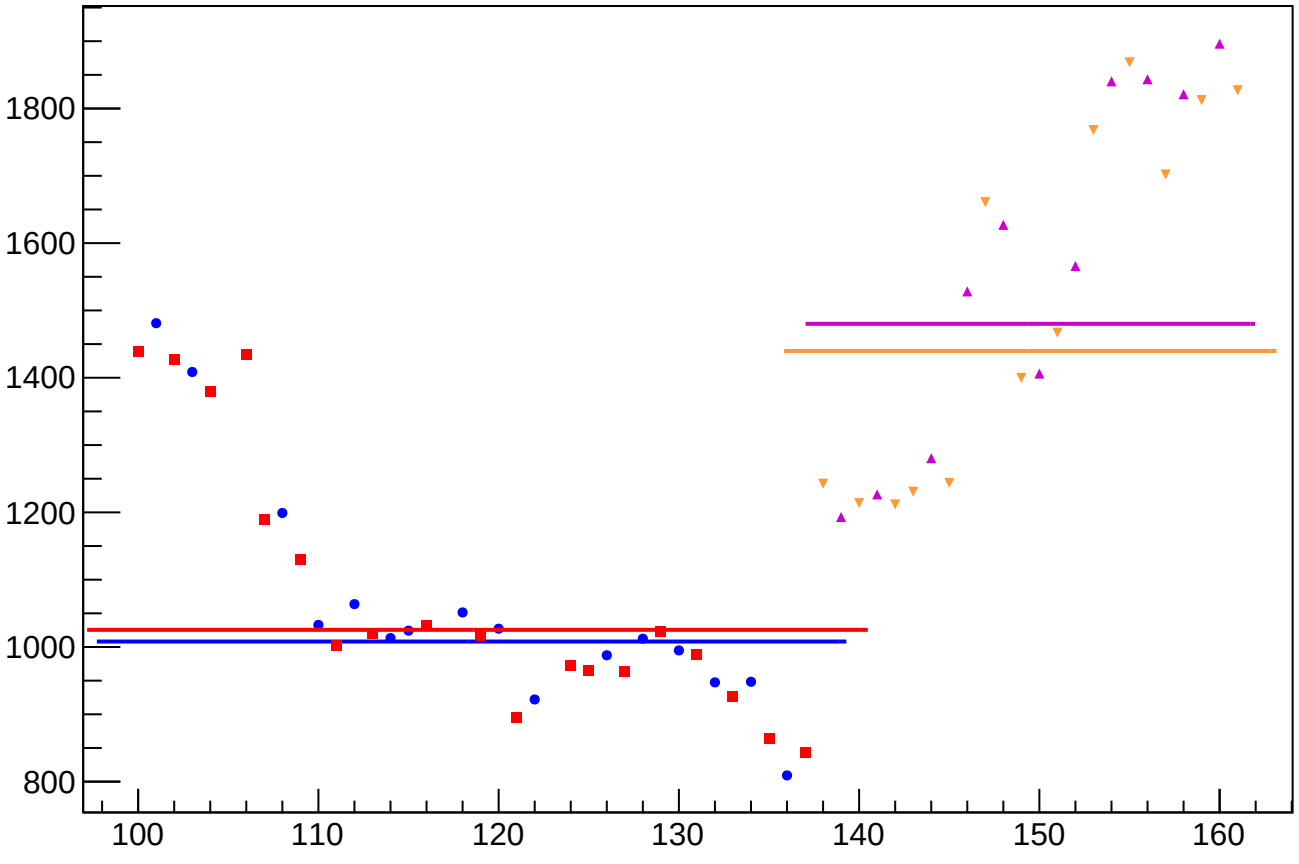
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -12.056+/-0.487 χ^2/NDF:376.2/10

+ sign -4.497+/-0.291 χ^2/NDF: 282.9/28

All: -4.376+/-0.209 χ^2/NDF: 1190.2/58

- sign -4.248+/-0.299 χ^2/NDF: 906.9/29



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1439.776+/-0.321 χ^2/NDF:574308.5/12

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

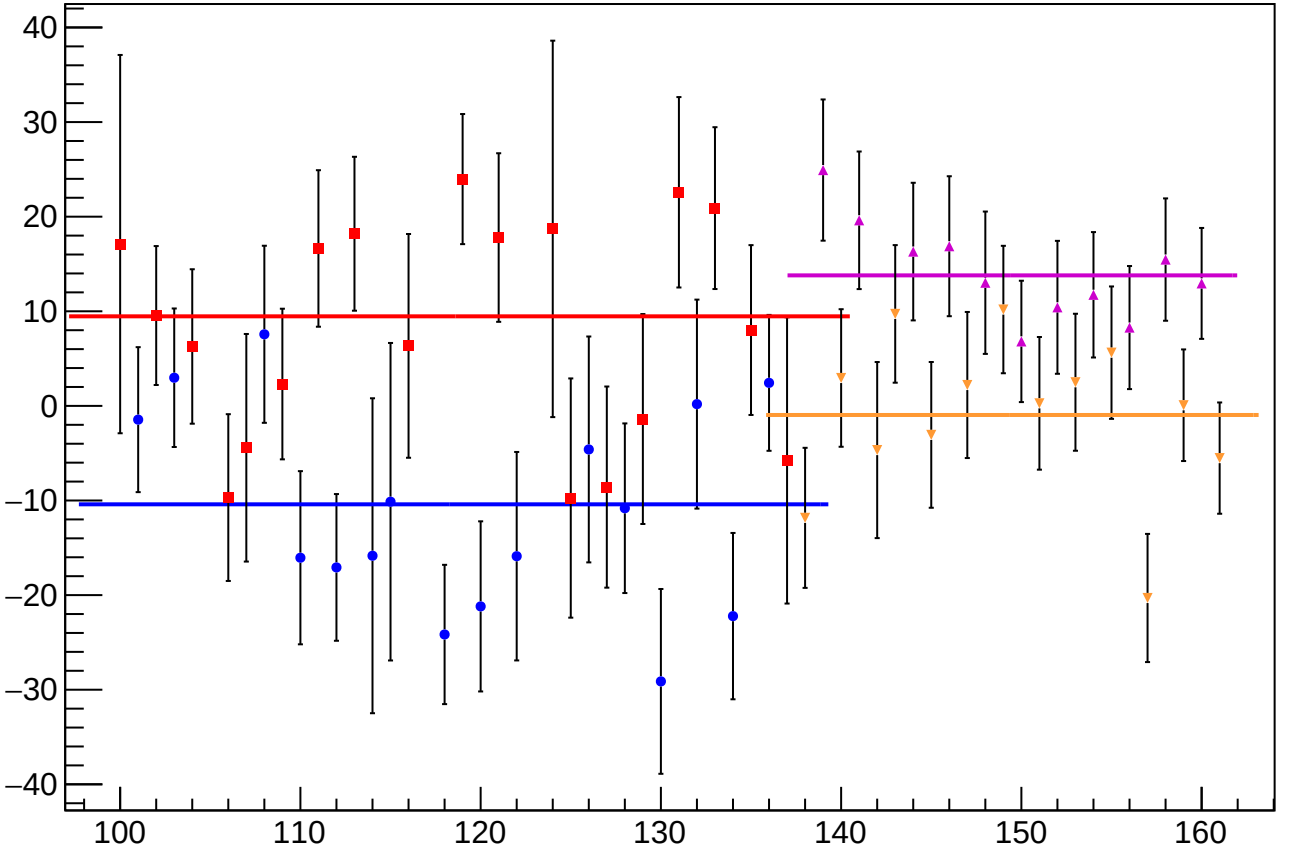
Left In: 1480.138+/-0.344 χ^2/NDF:514513.9/10

+ sign 1185.540+/-0.206 χ^2/NDF: 2015343.1/28

All: 1191.125+/-0.148 χ^2/NDF: 3965055.0/58

- sign 1196.997+/-0.211 χ^2/NDF: 1948205.2/29

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.960+/-1.951 χ^2/NDF:17.7/12

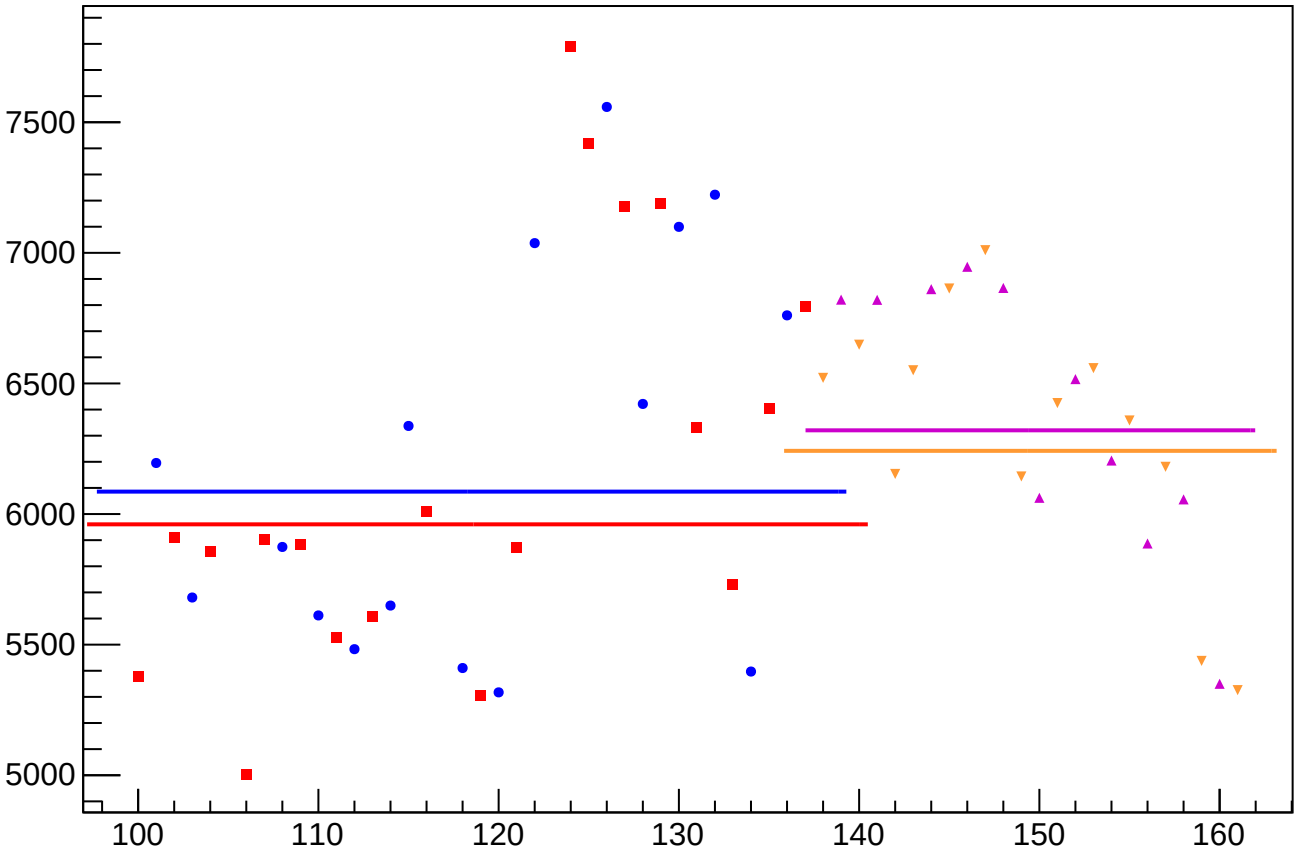
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 13.796+/-2.060 χ^2/NDF:5.5/10

+ sign -4.953+/-1.483 χ^2/NDF: 52.2/28

All: 3.304+/-1.055 χ^2/NDF: 147.9/58

- sign 11.765+/-1.501 χ^2/NDF: 32.9/29



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6241.967+/-1.380 χ^2/NDF:137736.3/12

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

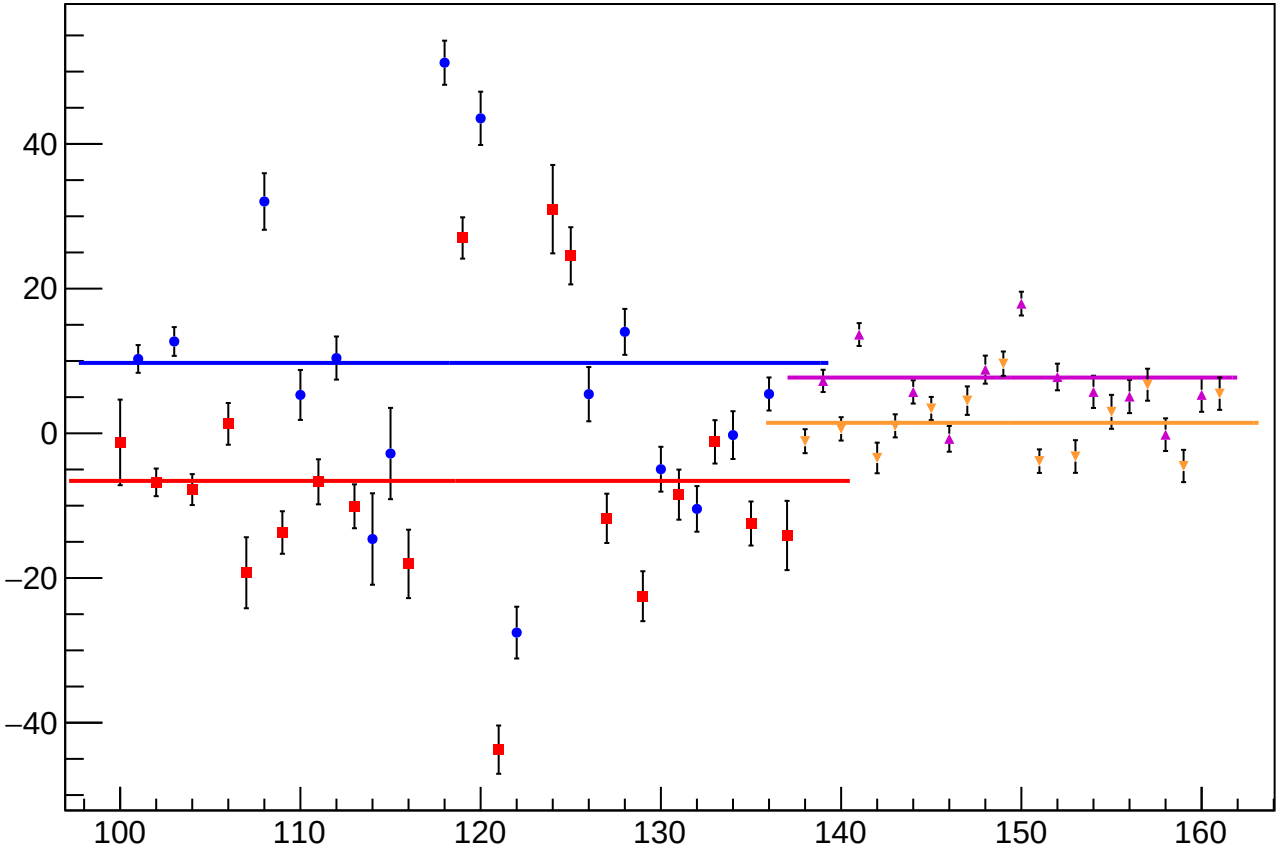
Left In: 6320.521+/-1.456 χ^2/NDF:126724.2/10

+ sign 6175.967+/-1.048 χ^2/NDF: 322265.6/28

All: 6163.960+/-0.746 χ^2/NDF: 640677.2/58

- sign 6151.658+/-1.061 χ^2/NDF: 318146.0/29

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 1.451+/-0.518 χ^2/NDF:66.7/12

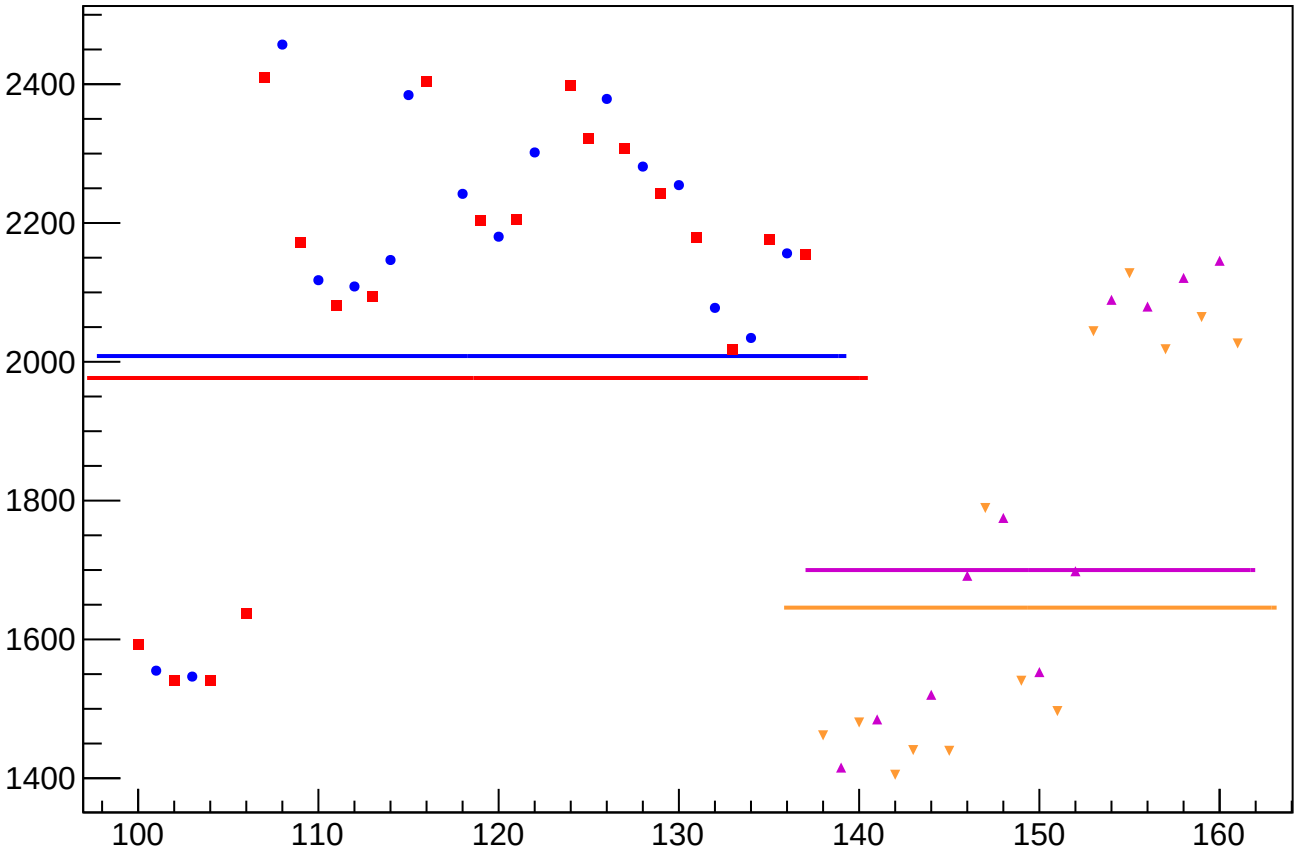
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 7.707+/-0.557 χ^2/NDF:92.6/10

+ sign 4.104+/-0.427 χ^2/NDF: 660.9/28

All: 3.308+/-0.308 χ^2/NDF: 1426.2/58

- sign 2.453+/-0.443 χ^2/NDF: 758.2/29



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1645.805+/-0.366 χ^2/NDF:504512.9/12

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

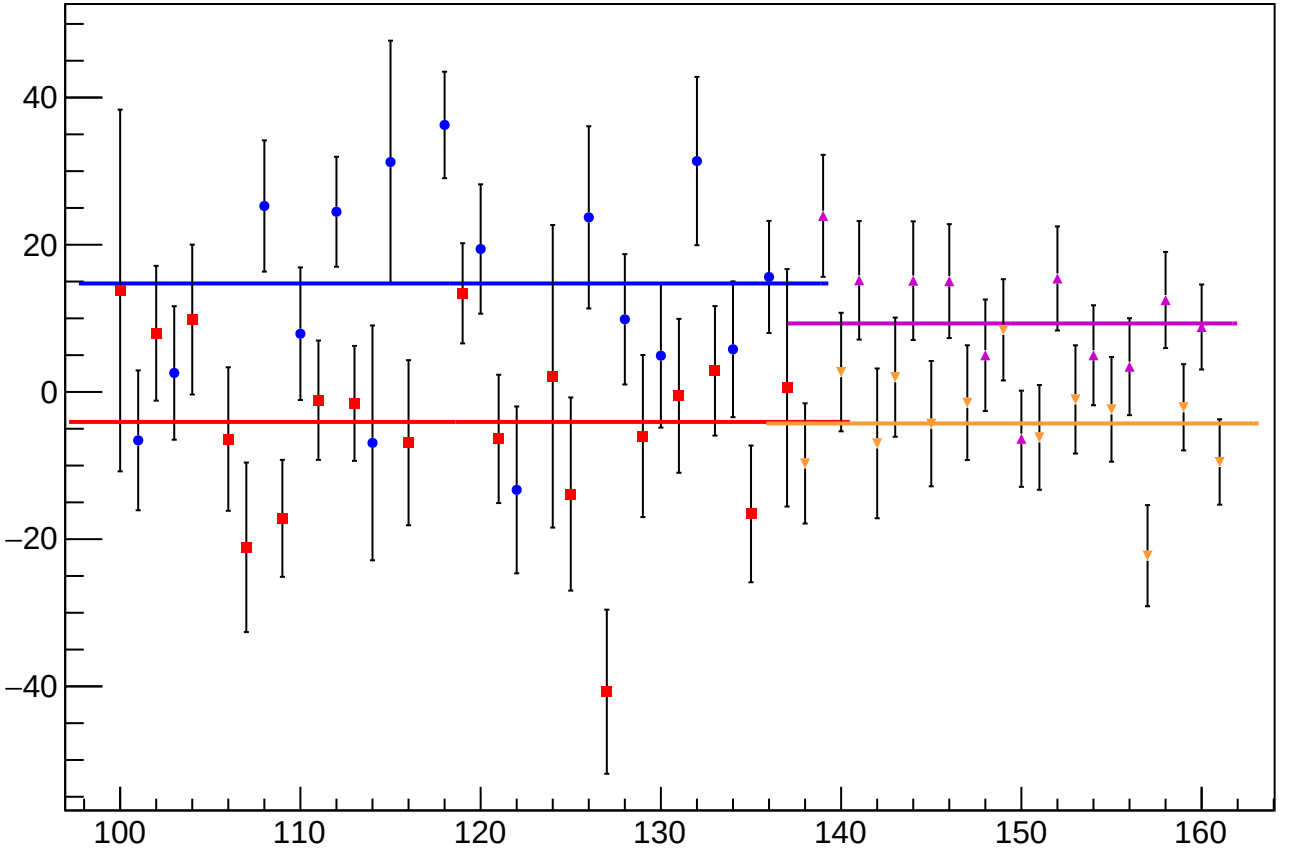
Left In: 1699.938+/-0.394 χ^2/NDF:406362.1/10

+ sign 1761.911+/-0.302 χ^2/NDF: 1162325.3/28

All: 1781.102+/-0.217 χ^2/NDF: 2123975.2/58

- sign 1801.728+/-0.313 χ^2/NDF: 953277.7/29

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -4.279+/-2.021 χ^2/NDF:13.6/12

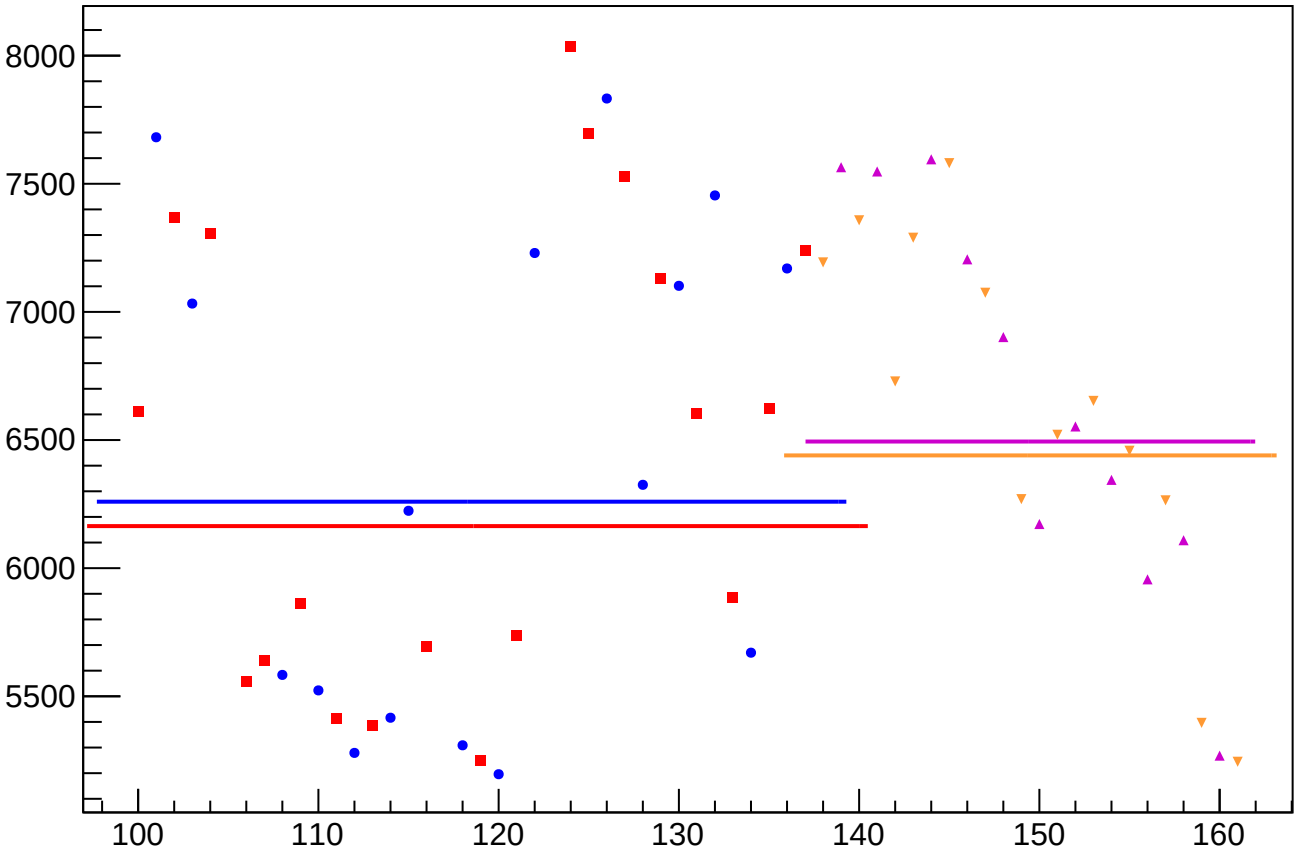
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 9.308+/-2.126 χ^2/NDF:13.0/10

+ sign 3.778+/-1.535 χ^2/NDF: 84.6/28

All: 3.426+/-1.092 χ^2/NDF: 146.3/58

- sign 3.065+/-1.553 χ^2/NDF: 61.6/29



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6440.013+/-1.429 χ^2/NDF:268620.6/12

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

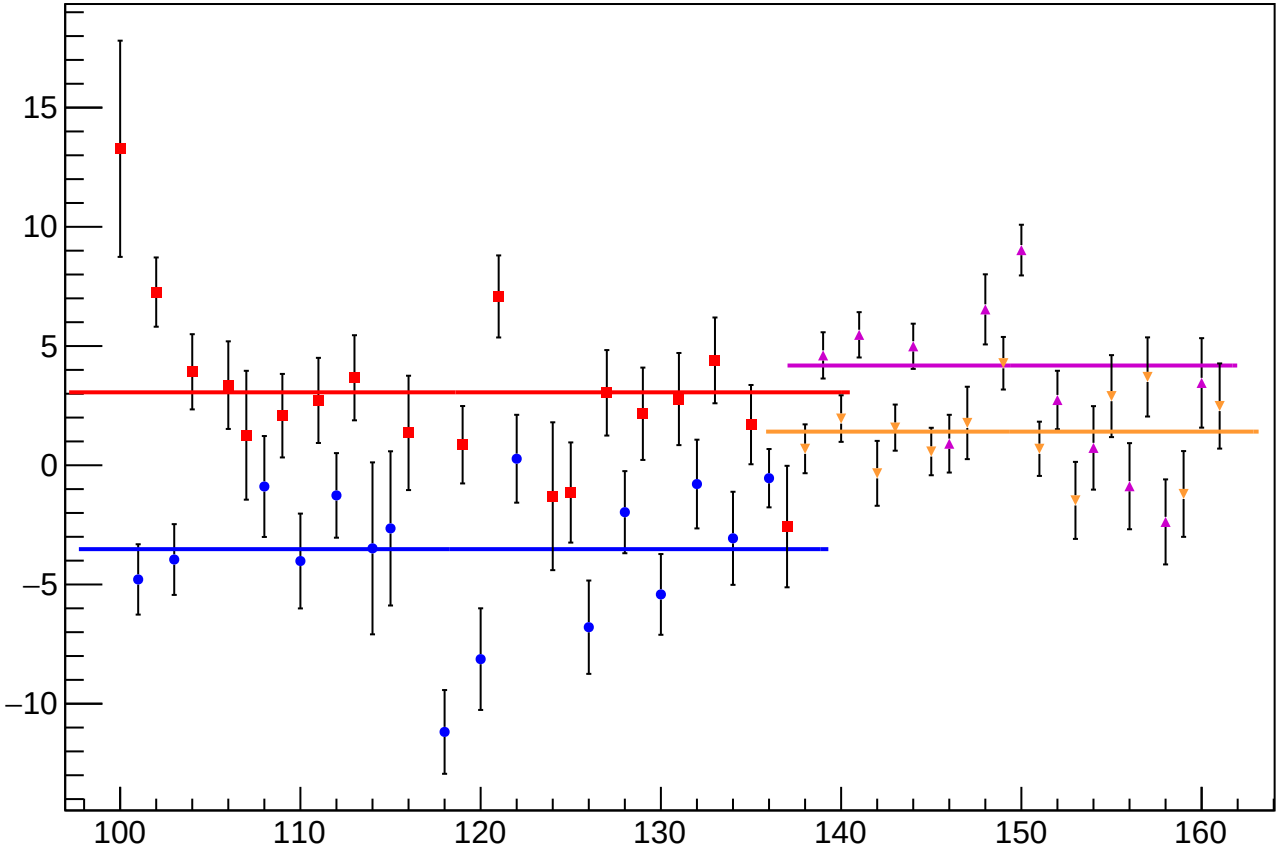
Left In: 6494.179+/-1.504 χ^2/NDF:244021.3/10

+ sign 6363.506+/-1.085 χ^2/NDF: 583991.3/28

All: 6351.991+/-0.772 χ^2/NDF: 1115777.2/58

- sign 6340.196+/-1.098 χ^2/NDF: 531558.0/29

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.411+/-0.346 χ^2/NDF:18.7/12

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

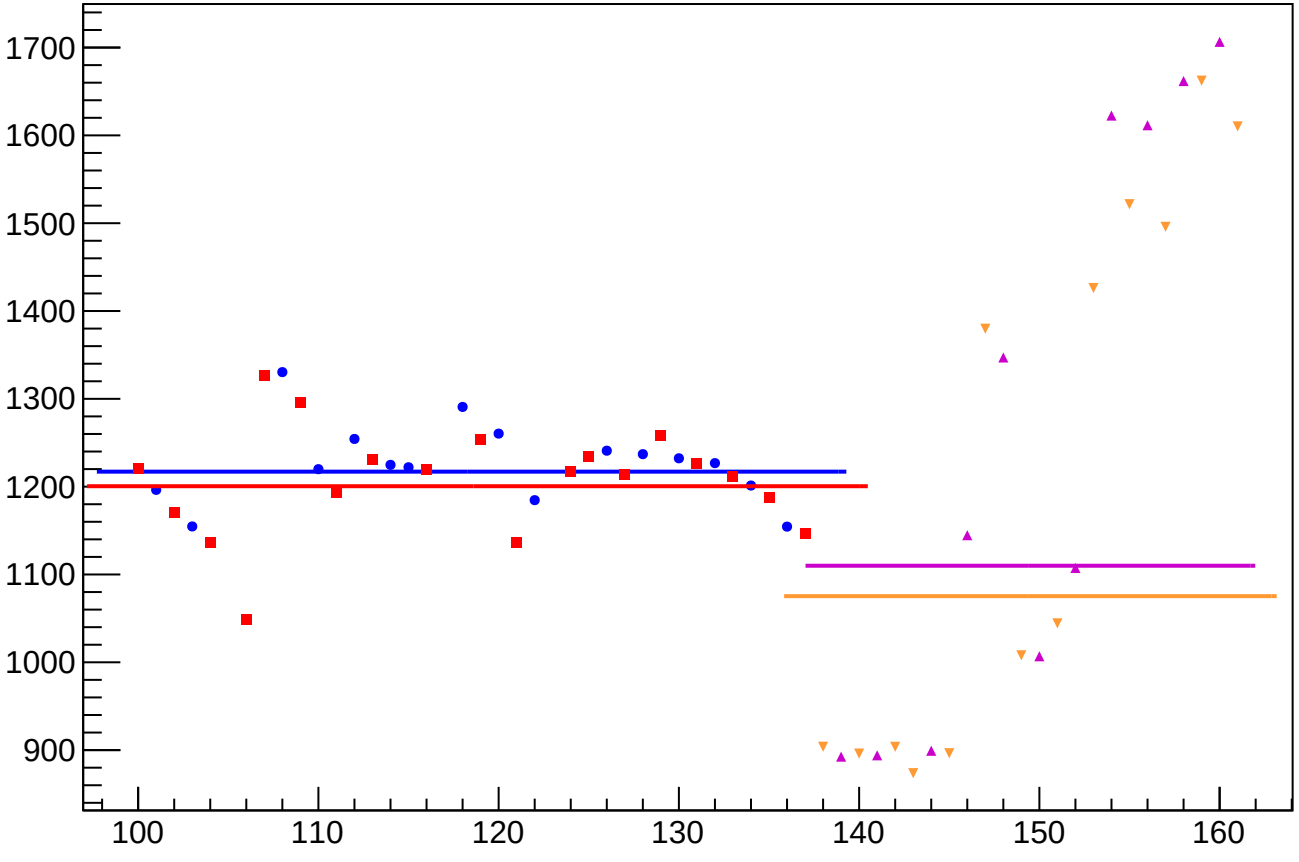
Left In: 4.183+/-0.372 χ^2/NDF:60.2/10

+ sign -0.407+/-0.275 χ^2/NDF: 138.7/28

All: 1.586+/-0.197 χ^2/NDF: 346.3/58

- sign 3.712+/-0.284 χ^2/NDF: 98.8/29

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1075.317+/-0.245 χ^2/NDF:1145990.1/12

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

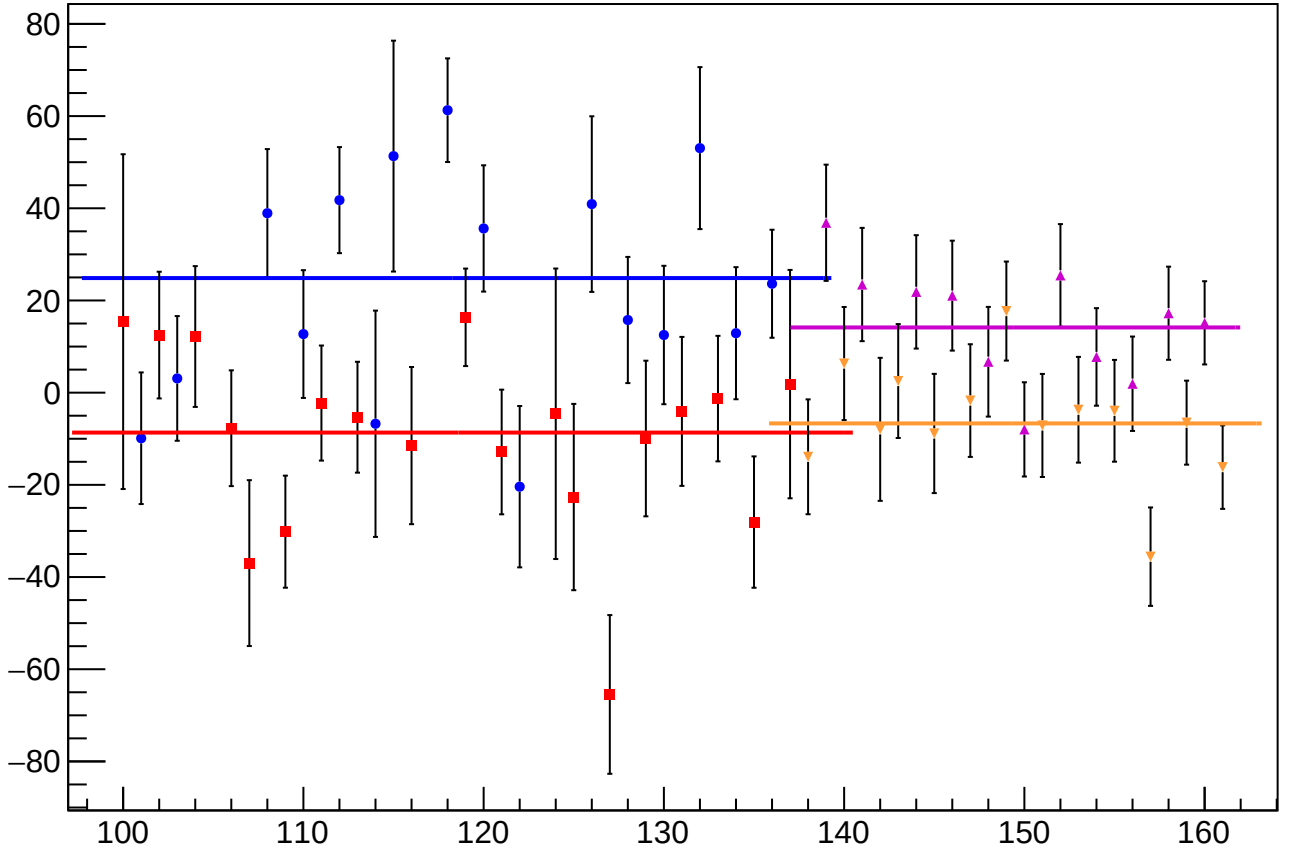
Left In: 1109.967+/-0.263 χ^2/NDF:1094214.4/10

+ sign 1127.627+/-0.194 χ^2/NDF: 1291623.7/28

All: 1137.447+/-0.140 χ^2/NDF: 2478312.0/58

- sign 1147.923+/-0.201 χ^2/NDF: 1181409.7/29

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -6.671+/-3.132 χ^2/NDF:15.9/12

Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

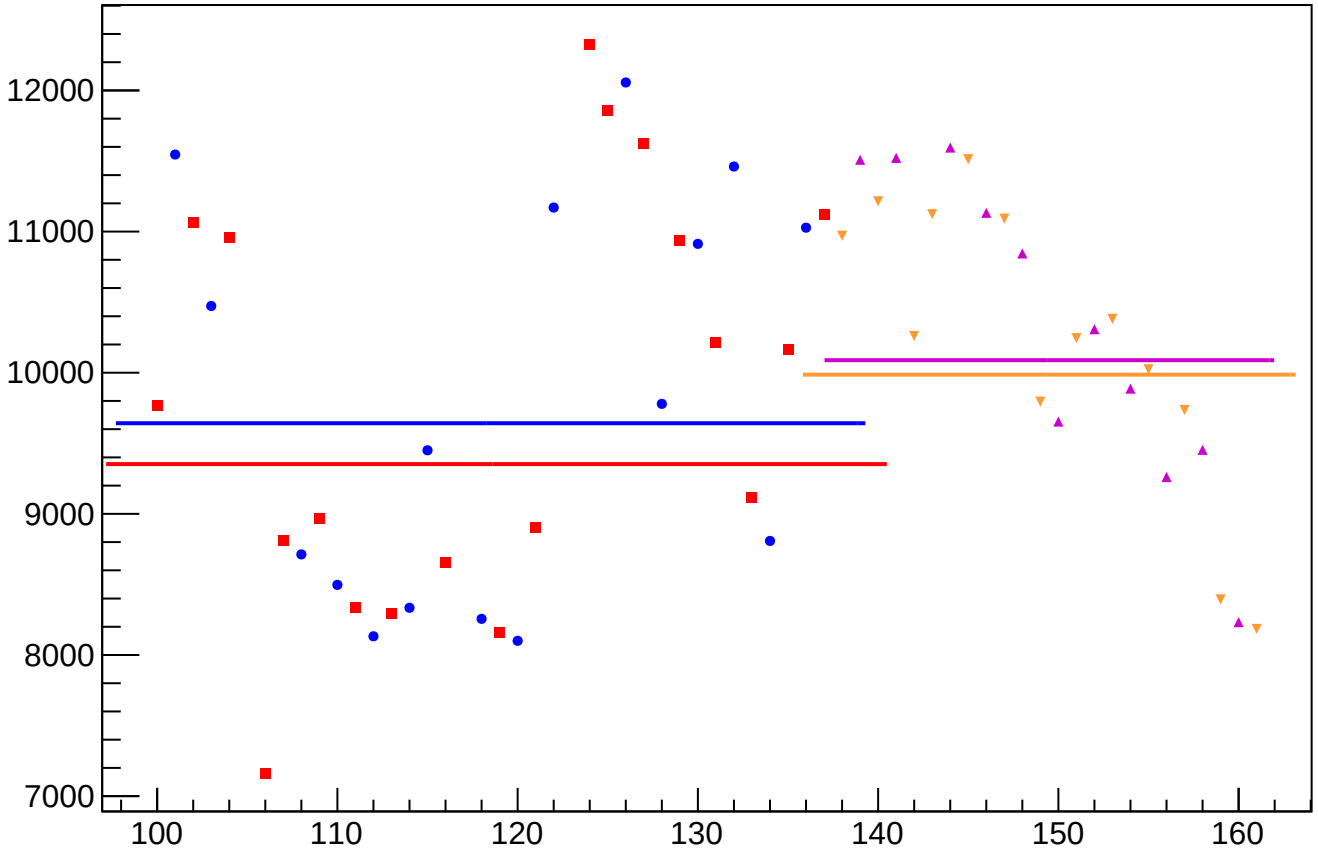
Left In: 14.147+/-3.300 χ^2/NDF:12.5/10

+ sign 6.794+/-2.371 χ^2/NDF: 97.3/28

All: 5.039+/-1.682 χ^2/NDF: 163.9/58

- sign 3.262+/-2.386 χ^2/NDF: 65.5/29

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9986.351+/-2.215 χ^2/NDF:239696.9/12

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

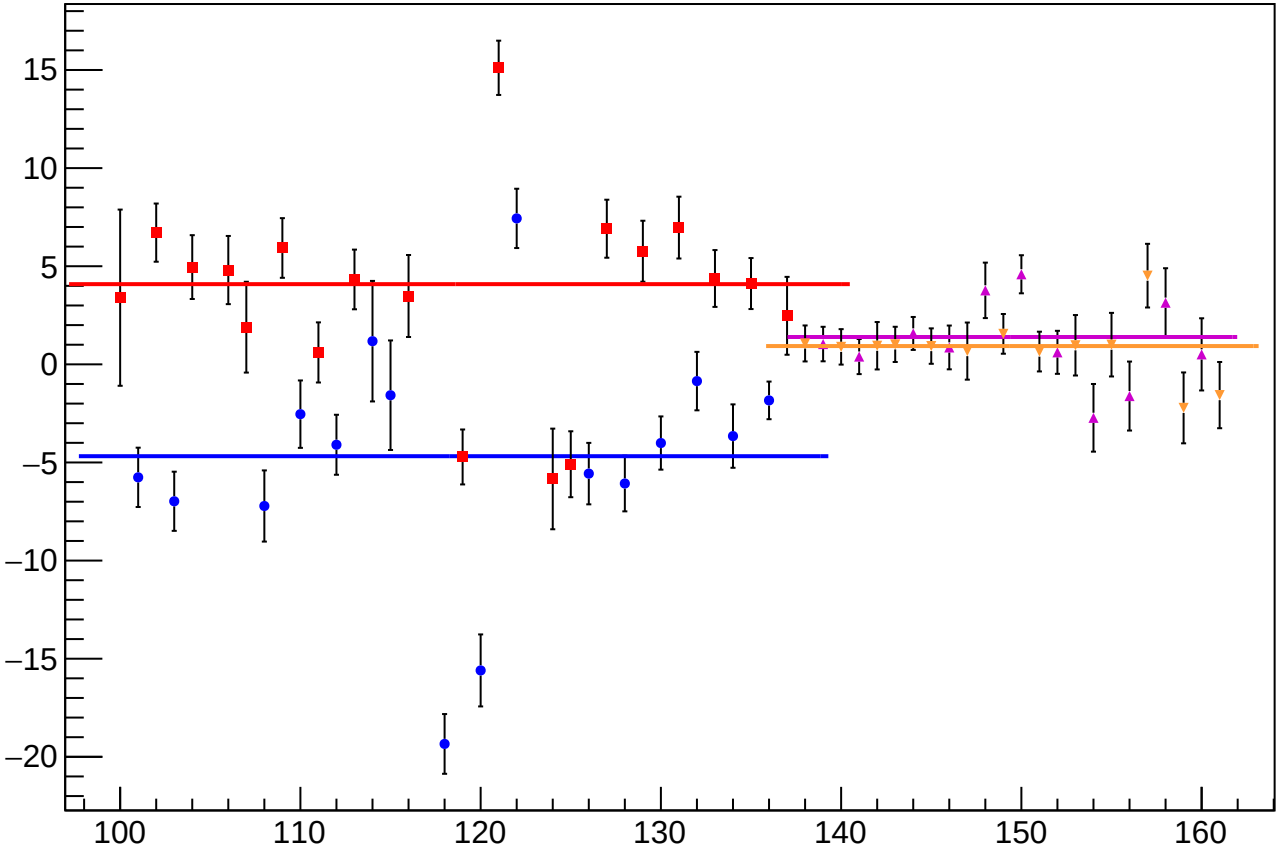
Left In: 10088.594+/-2.334 χ^2/NDF:216620.8/10

+ sign 9839.326+/-1.676 χ^2/NDF: 529673.2/28

All: 9788.619+/-1.189 χ^2/NDF: 1097402.4/58

- sign 9737.261+/-1.687 χ^2/NDF: 565887.7/29

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.932+/-0.319 χ^2/NDF:10.6/12

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

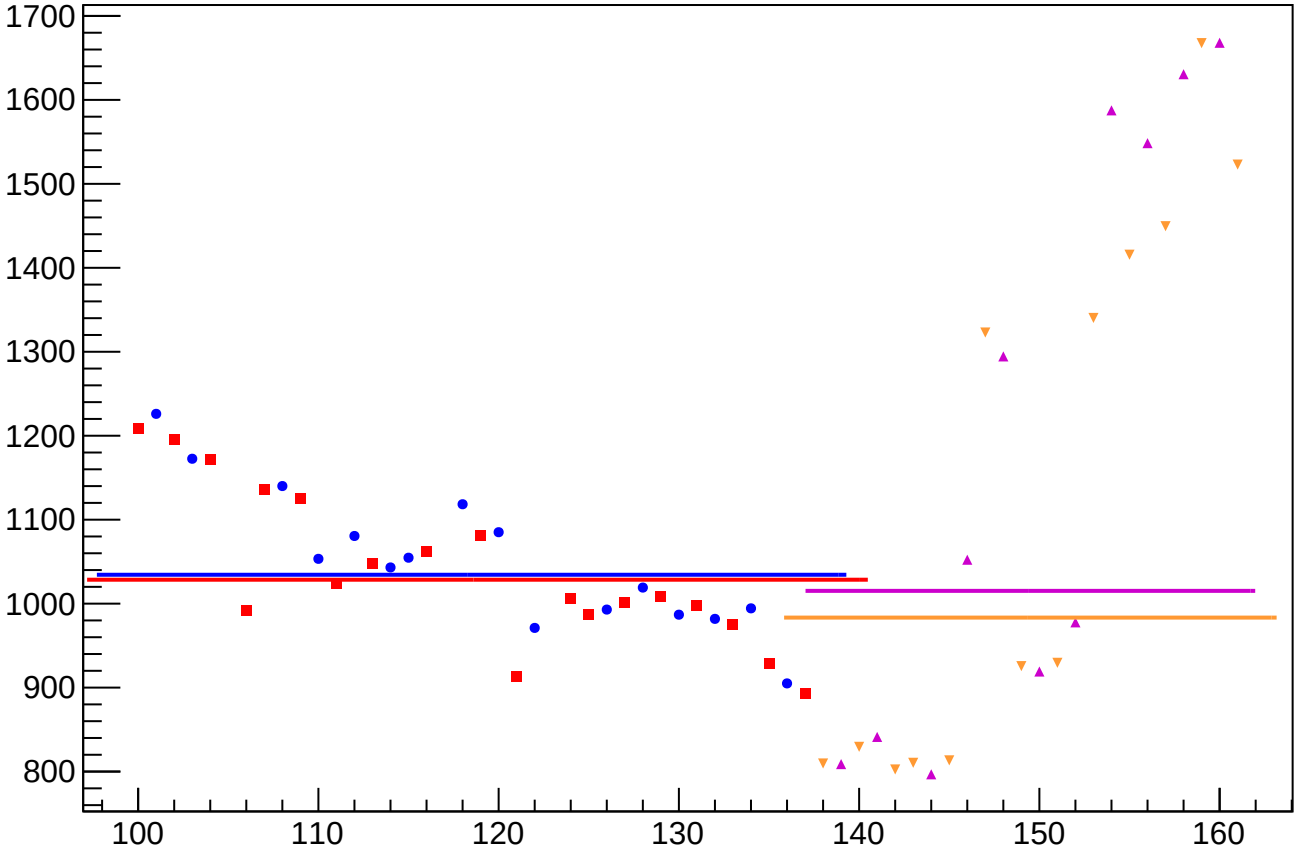
Left In: 1.394+/-0.344 χ^2/NDF:25.7/10

+ sign -1.347+/-0.246 χ^2/NDF: 357.5/28

All: 0.572+/-0.177 χ^2/NDF: 705.2/58

- sign 2.620+/-0.254 χ^2/NDF: 221.7/29

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 983.386+/-0.226 χ^2/NDF:1347321.6/12

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

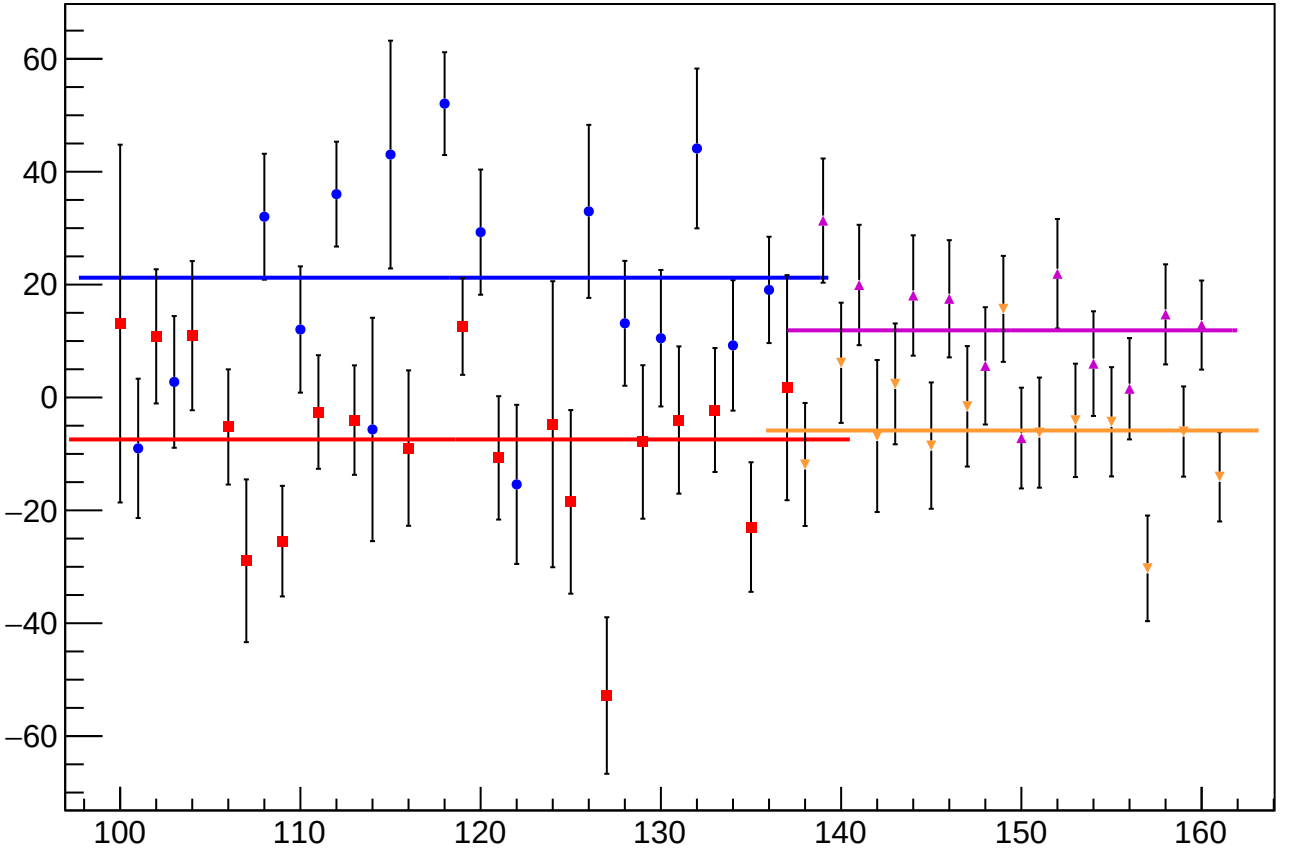
Left In: 1015.223+/-0.243 χ^2/NDF:1325629.4/10

+ sign 1004.097+/-0.174 χ^2/NDF: 1481376.4/28

All: 1012.402+/-0.125 χ^2/NDF: 2914706.6/58

- sign 1021.270+/-0.180 χ^2/NDF: 1428609.6/29

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -5.849+/-2.735 χ^2/NDF:15.6/12

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

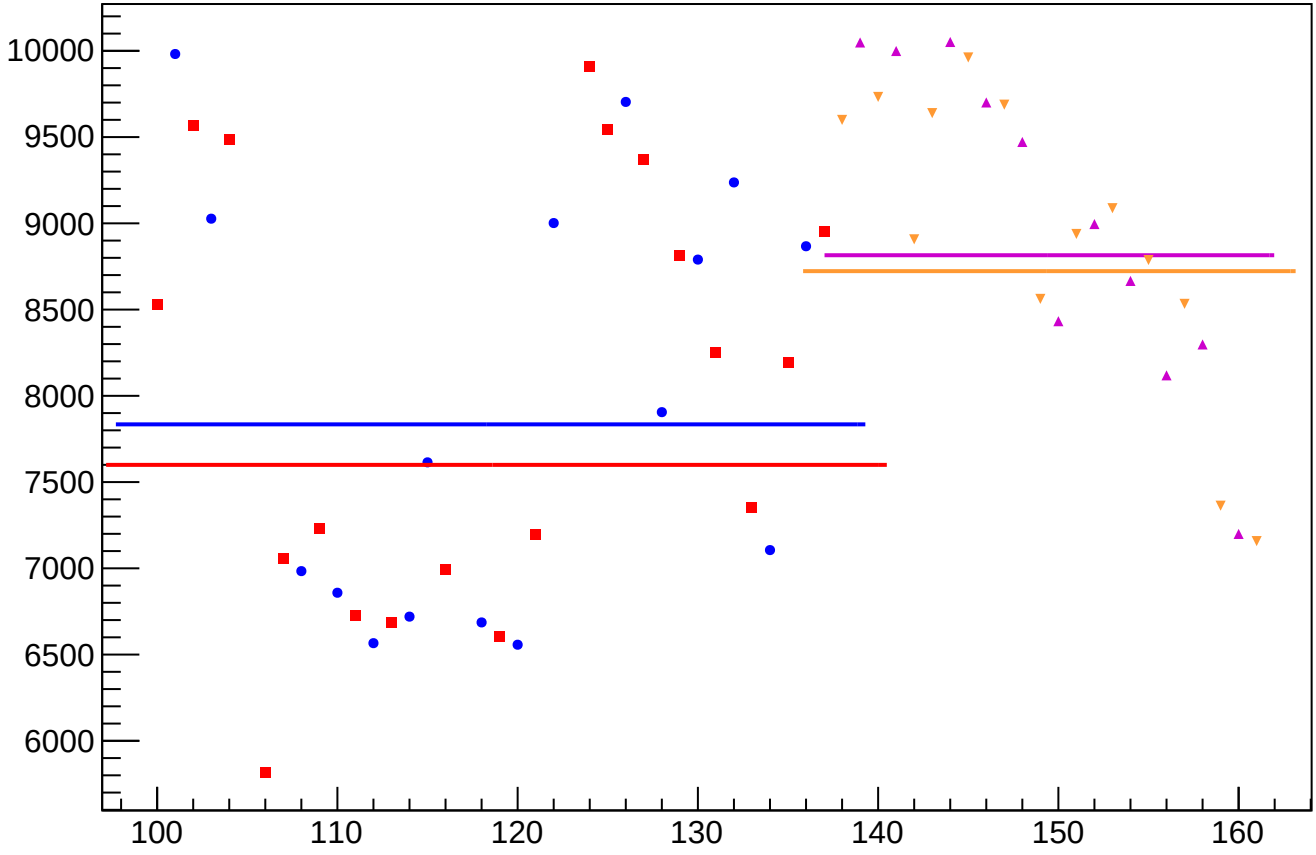
Left In: 11.895+/-2.883 χ^2/NDF:12.2/10

+ sign 6.656+/-2.006 χ^2/NDF: 100.9/28

All: 4.327+/-1.421 χ^2/NDF: 168.7/58

- sign 1.984+/-2.012 χ^2/NDF: 65.0/29

diff_bpm0l08X_rms vs Slug



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8722.883+/-1.934 χ^2/NDF:227895.9/12

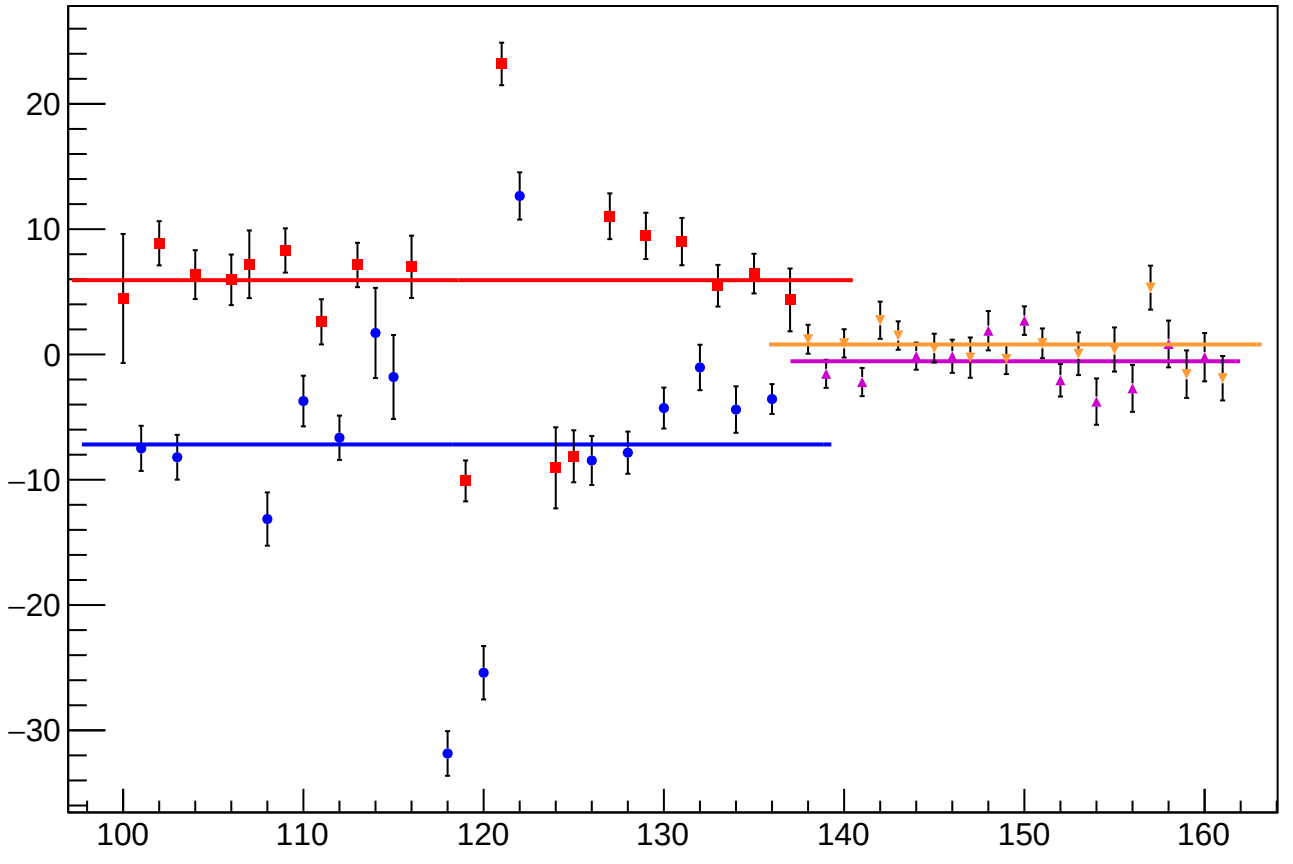
Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8815.123+/-2.038 χ^2/NDF:206725.0/10

+ sign 8312.562+/-1.419 χ^2/NDF: 643434.3/28

All: 8252.467+/-1.005 χ^2/NDF: 1380339.6/58

- sign 8192.011+/-1.423 χ^2/NDF: 733305.4/29



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.798+/-0.380 χ^2/NDF:14.5/12

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

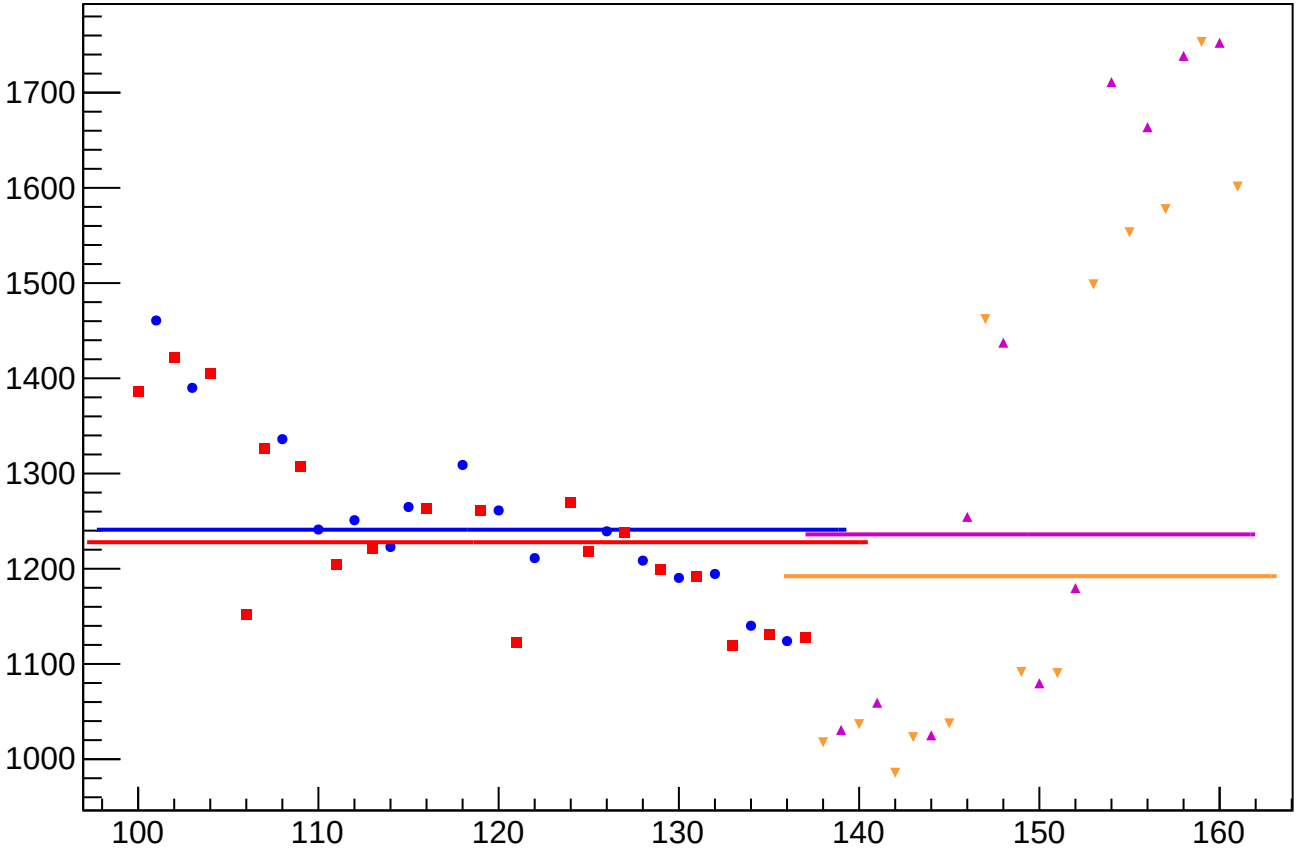
Left In: -0.544+/-0.412 χ^2/NDF:20.0/10

+ sign -2.424+/-0.294 χ^2/NDF: 614.4/28

All: -0.086+/-0.211 χ^2/NDF: 1168.6/58

- sign 2.409+/-0.303 χ^2/NDF: 423.2/29

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1192.198+/-0.269 χ^2/NDF:815231.1/12

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

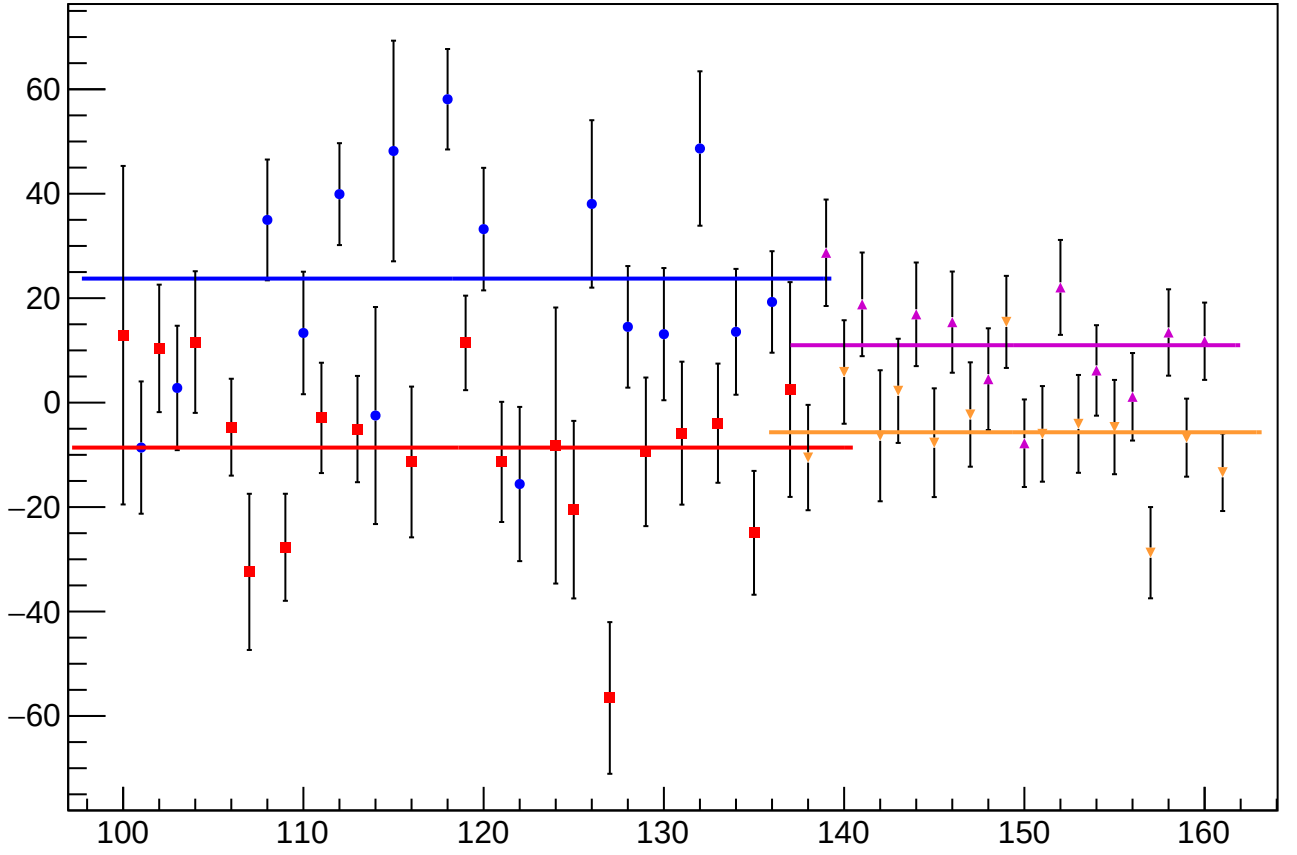
Left In: 1236.067+/-0.291 χ^2/NDF:791758.7/10

+ sign 1211.906+/-0.208 χ^2/NDF: 909174.7/28

All: 1221.785+/-0.149 χ^2/NDF: 1788309.7/58

- sign 1232.323+/-0.215 χ^2/NDF: 874460.6/29

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -5.674+/-2.554 χ^2/NDF:16.2/12

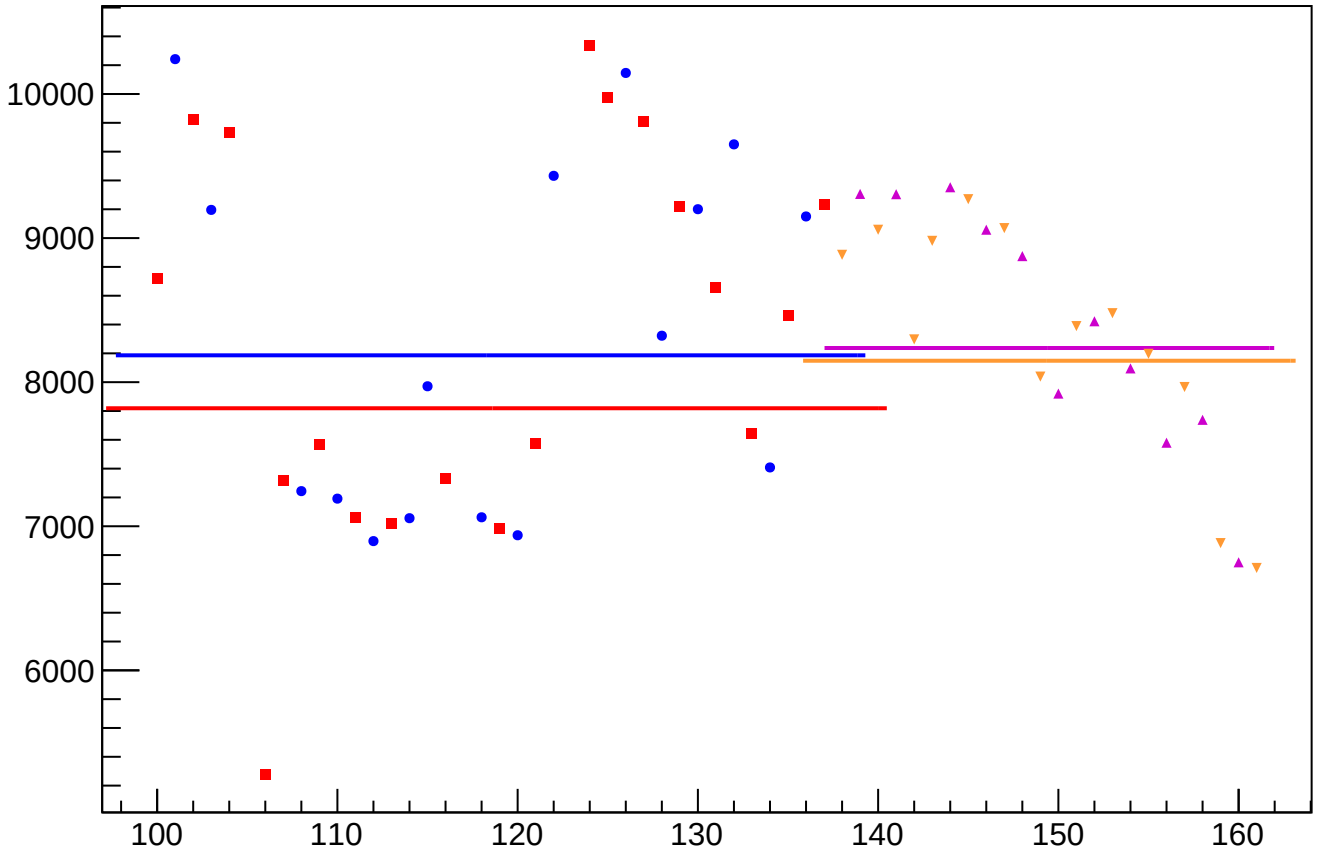
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 10.993+/-2.693 χ^2/NDF:12.9/10

+ sign 6.310+/-1.967 χ^2/NDF: 113.7/28

All: 4.119+/-1.393 χ^2/NDF: 184.1/58

- sign 1.914+/-1.973 χ^2/NDF: 67.9/29



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8148.787+/-1.806 χ^2/NDF:219337.3/12

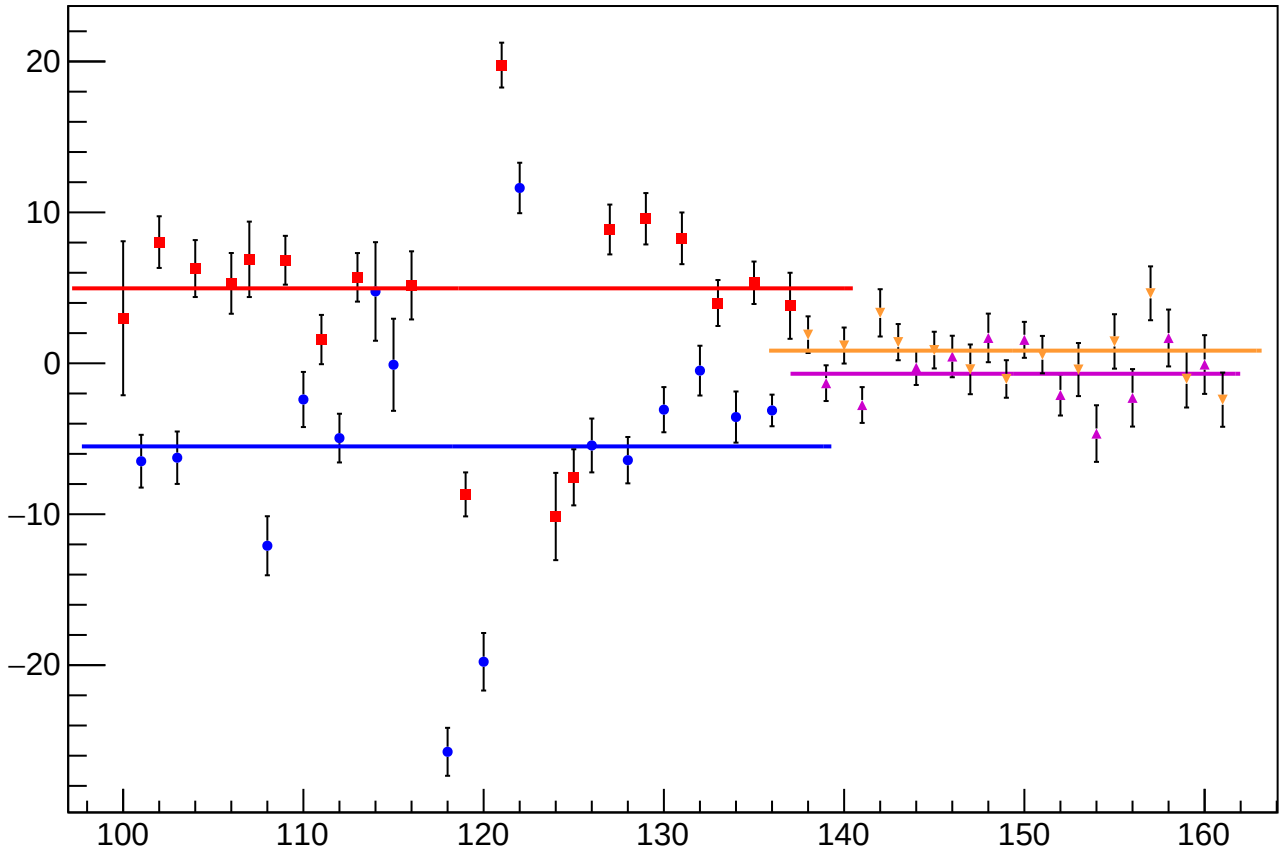
Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8237.166+/-1.904 χ^2/NDF:197986.6/10

+ sign 8164.090+/-1.391 χ^2/NDF: 510142.3/28

All: 8103.979+/-0.985 χ^2/NDF: 1157220.2/58

- sign 8043.475+/-1.395 χ^2/NDF: 643328.3/29



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.840+/-0.397 χ^2/NDF:15.9/12

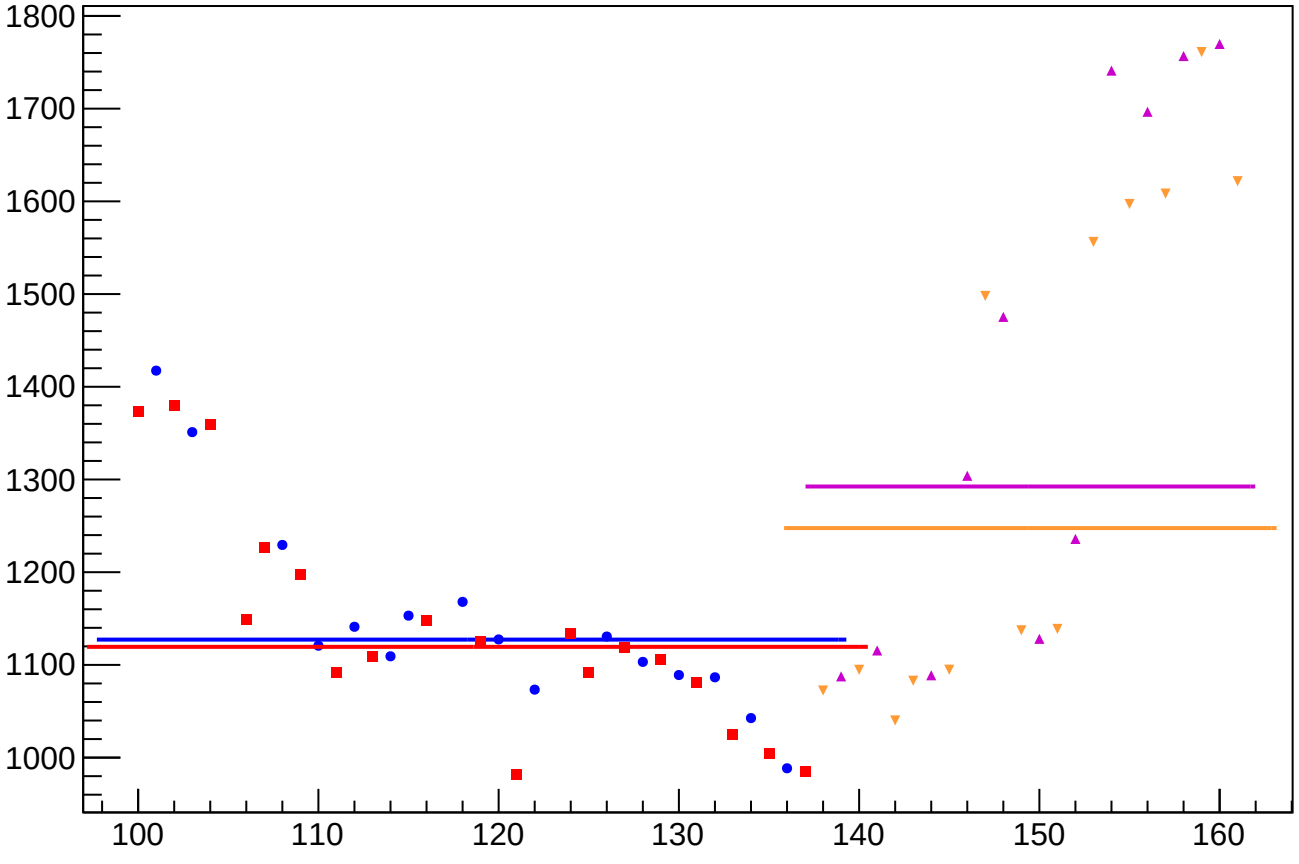
Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: -0.692+/-0.429 χ^2/NDF:17.8/10

+ sign -2.145+/-0.289 χ^2/NDF: 506.1/28

All: -0.001+/-0.207 χ^2/NDF: 1015.6/58

- sign 2.260+/-0.296 χ^2/NDF: 396.1/29



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1247.586+/-0.280 χ^2/NDF:706911.1/12

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

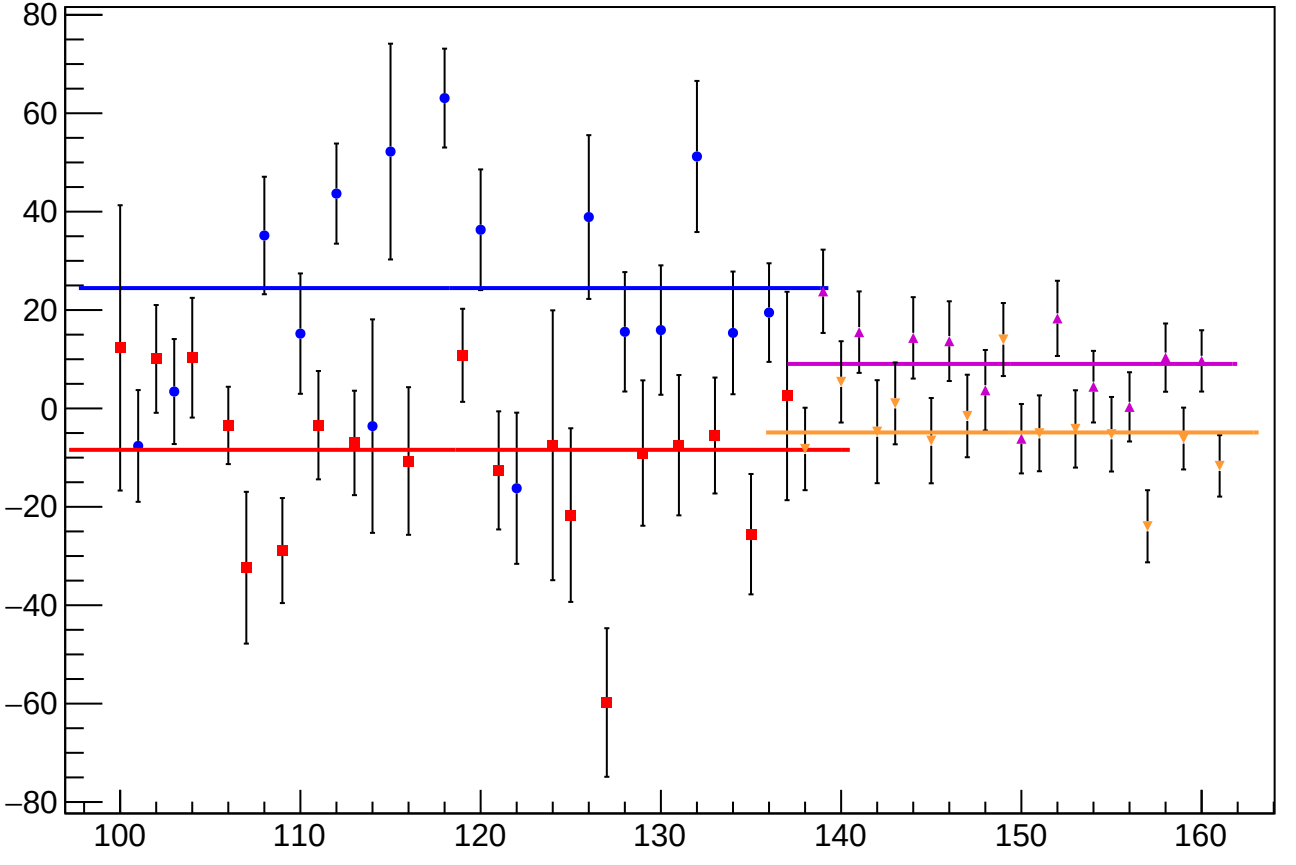
Left In: 1292.439+/-0.303 χ^2/NDF:680962.2/10

+ sign 1190.999+/-0.204 χ^2/NDF: 934060.1/28

All: 1196.459+/-0.146 χ^2/NDF: 1927216.9/58

- sign 1202.213+/-0.210 χ^2/NDF: 991687.4/29

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -4.881+/-2.141 χ^2/NDF:16.9/12

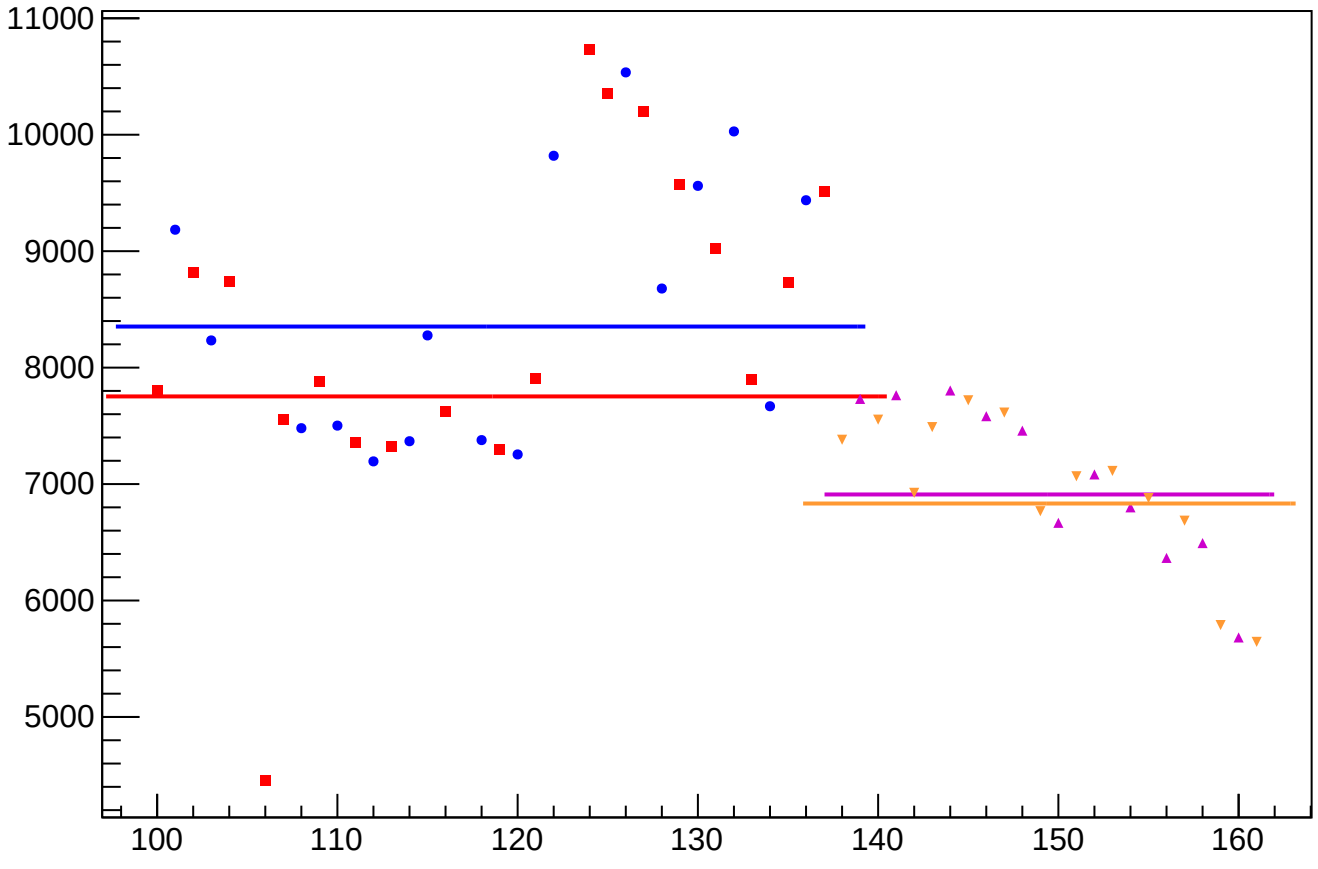
Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: 9.049+/-2.258 χ^2/NDF:12.9/10

+ sign 4.448+/-1.768 χ^2/NDF: 124.9/28

All: 3.446+/-1.254 χ^2/NDF: 192.3/58

- sign 2.432+/-1.780 χ^2/NDF: 66.7/29



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6833.045+/-1.514 χ^2/NDF:207559.3/12

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

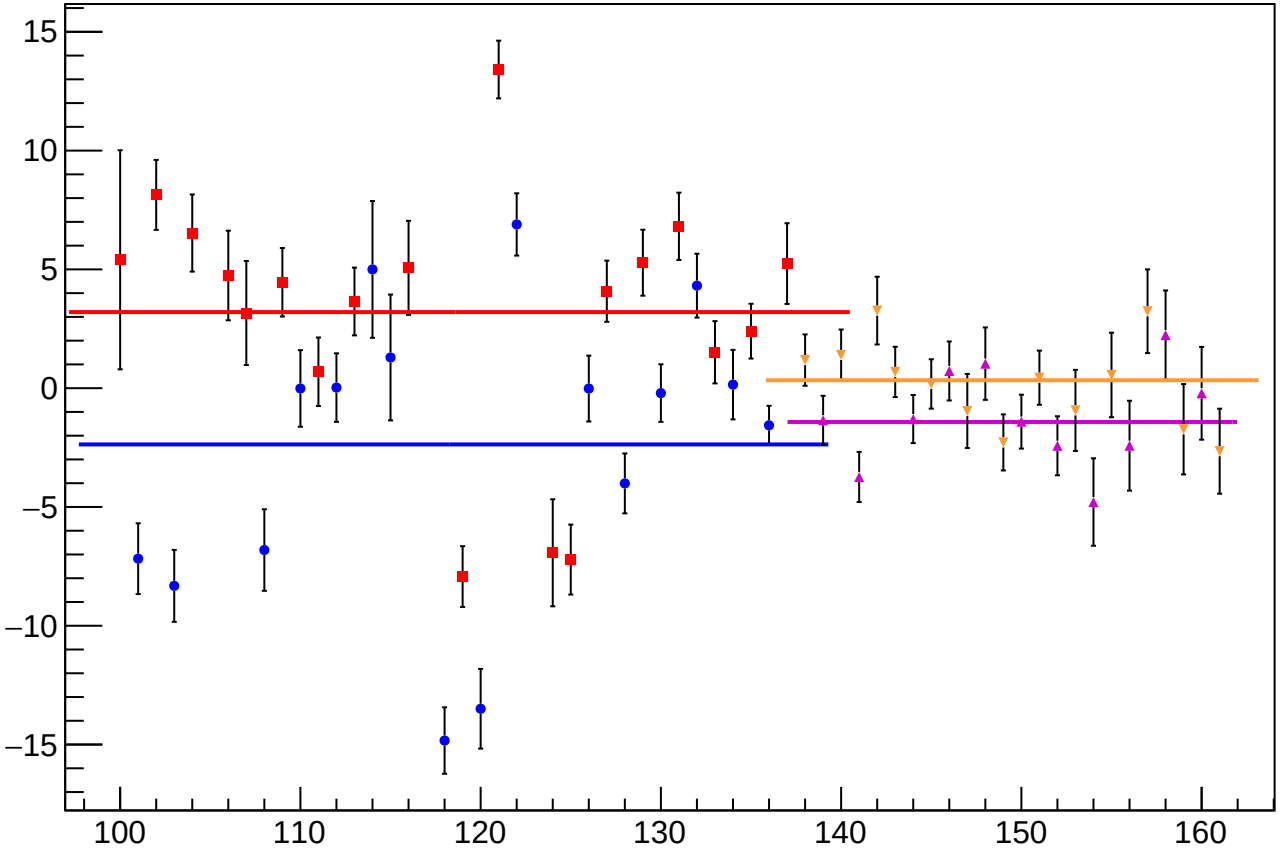
Left In: 6910.782+/-1.597 χ^2/NDF:186756.2/10

+ sign 7316.198+/-1.250 χ^2/NDF: 748299.1/28

All: 7273.279+/-0.887 χ^2/NDF: 1630839.3/58

- sign 7229.809+/-1.258 χ^2/NDF: 880168.7/29

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.334+/-0.365 χ^2/NDF:18.8/12

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

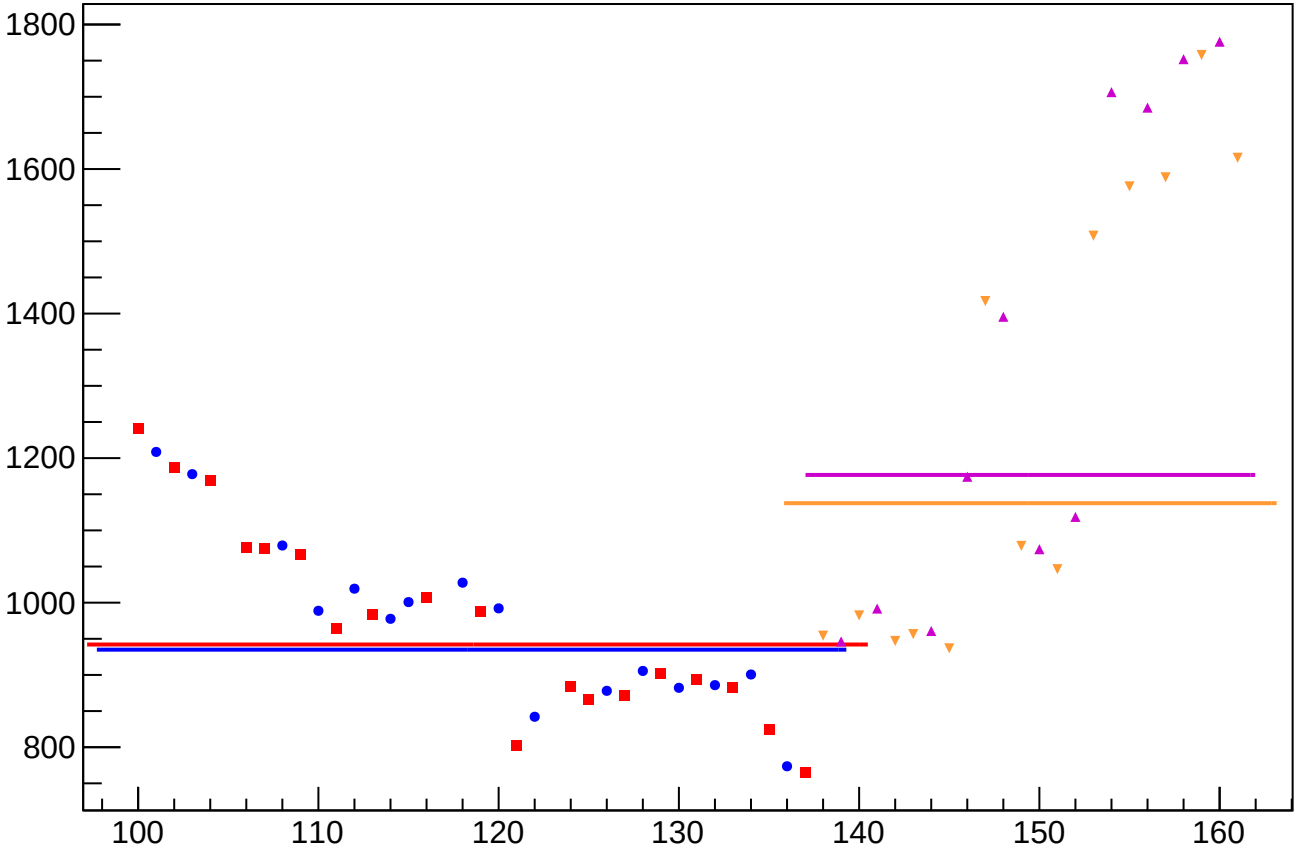
Left In: -1.422+/-0.394 χ^2/NDF:18.9/10

+ sign -1.072+/-0.253 χ^2/NDF: 302.9/28

All: 0.025+/-0.181 χ^2/NDF: 688.8/58

- sign 1.186+/-0.260 χ^2/NDF: 347.2/29

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1137.662+/-0.258 χ^2/NDF:1052608.4/12

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

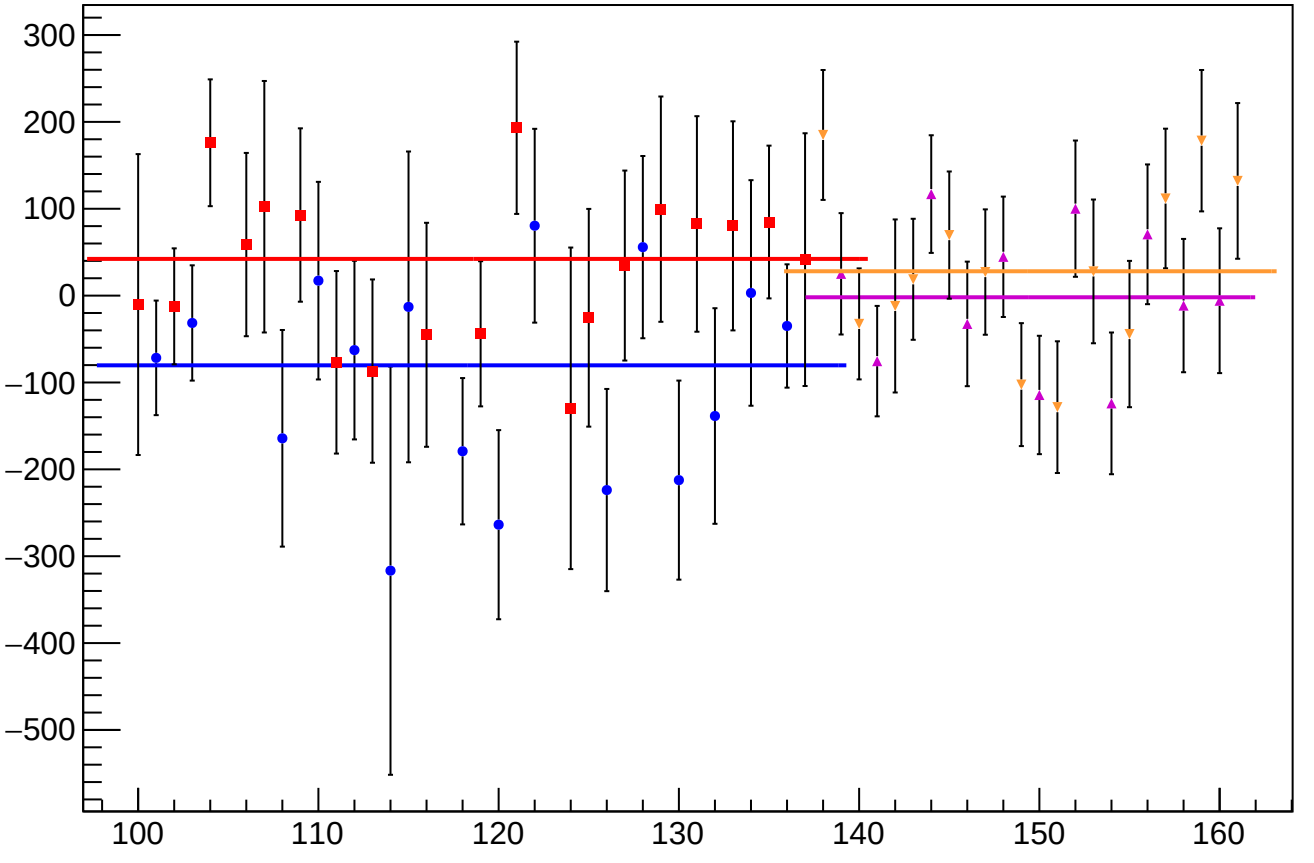
Left In: 1176.747+/-0.279 χ^2/NDF:1001343.2/10

+ sign 1032.215+/-0.179 χ^2/NDF: 1627929.6/28

All: 1038.137+/-0.128 χ^2/NDF: 3264212.5/58

- sign 1044.408+/-0.184 χ^2/NDF: 1634022.7/29

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 28.046+/-21.320 χ^2/NDF:20.0/12

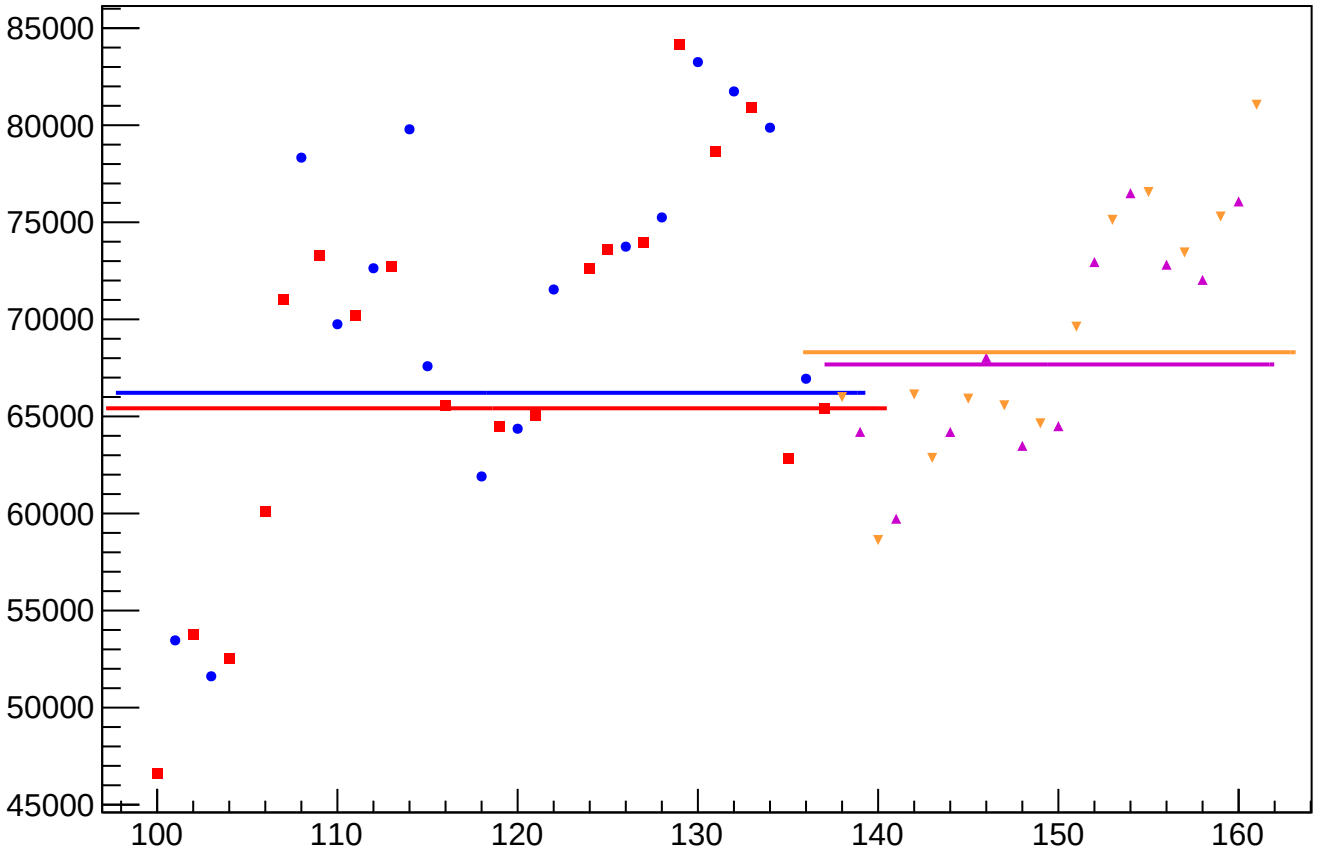
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -1.906+/-21.982 χ^2/NDF:12.7/10

+ sign -17.745+/-16.197 χ^2/NDF: 45.7/28

All: 0.121+/-11.473 χ^2/NDF: 75.7/58

- sign 18.113+/-16.255 χ^2/NDF: 27.5/29



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 68306.018+/-15.076 χ^2/NDF:168047.4/12

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

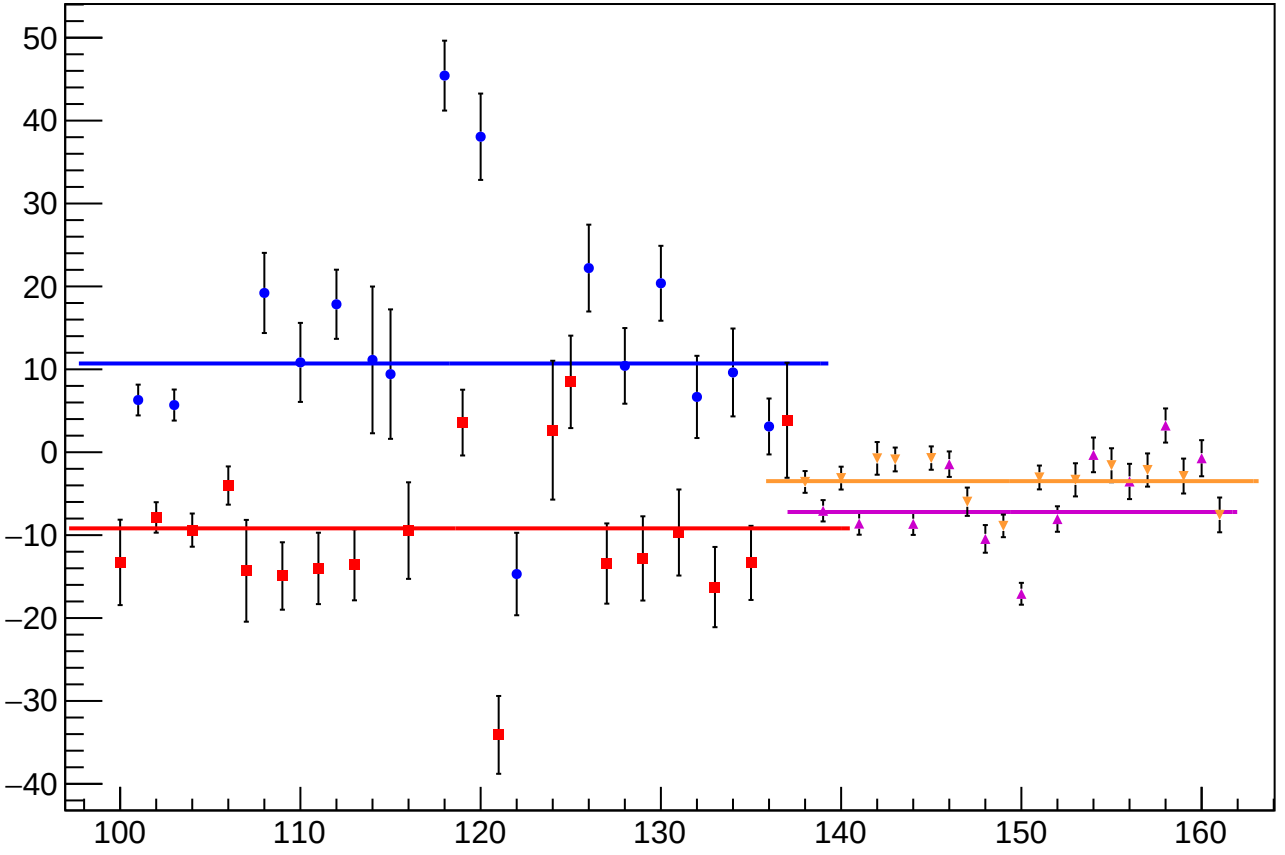
Left In: 67677.192+/-15.544 χ^2/NDF:120499.7/10

+ sign 67422.342+/-11.453 χ^2/NDF: 514550.9/28

All: 67039.287+/-8.113 χ^2/NDF: 951421.6/58

- sign 66653.512+/-11.494 χ^2/NDF: 434625.5/29

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.486+/-0.451 χ^2/NDF:32.3/12

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

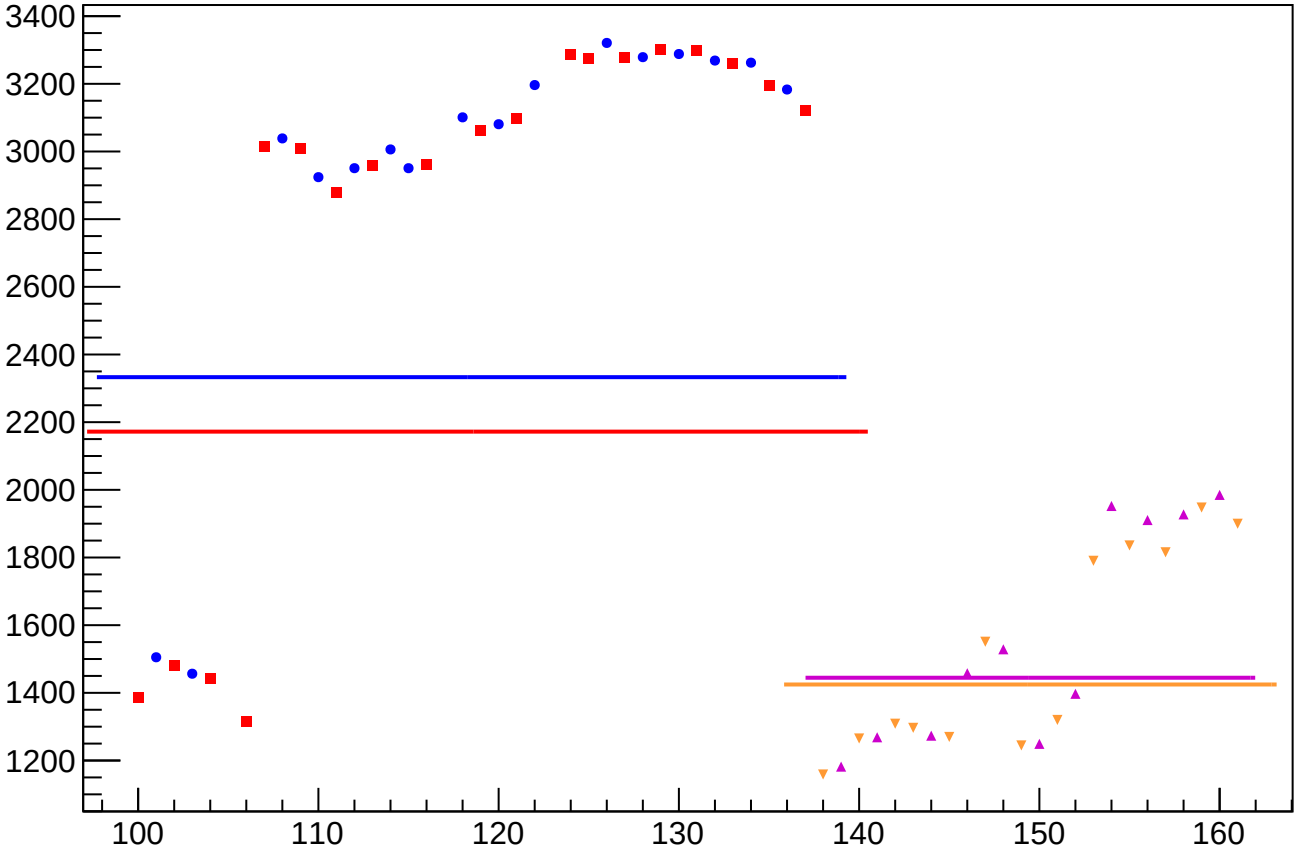
Left In: -7.209+/-0.478 χ^2/NDF:124.7/10

+ sign -0.736+/-0.405 χ^2/NDF: 379.5/28

All: -4.115+/-0.290 χ^2/NDF: 720.8/58

- sign -7.683+/-0.416 χ^2/NDF: 198.3/29

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1424.688+/-0.319 χ^2/NDF:661989.1/12

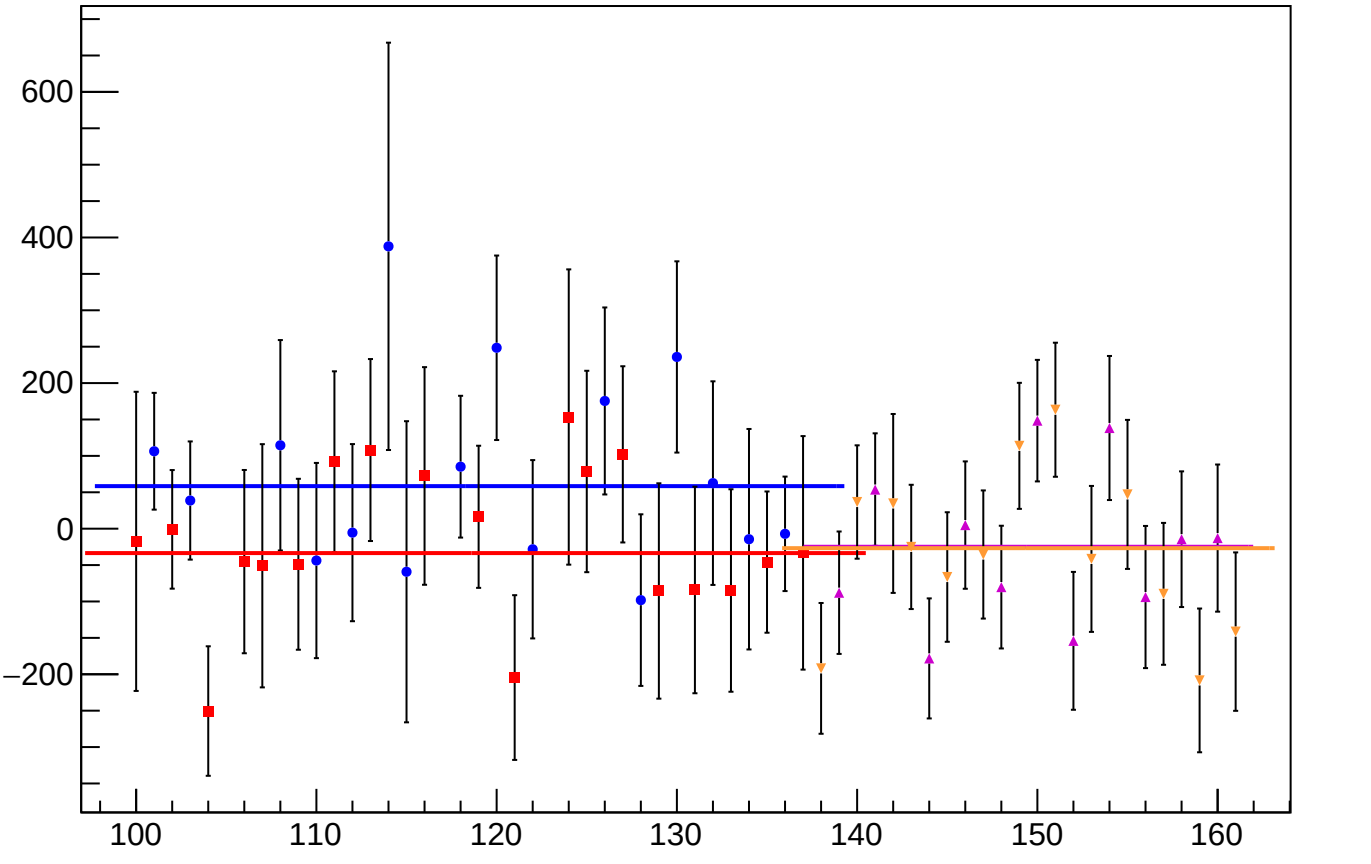
Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1444.643+/-0.338 χ^2/NDF:647619.1/10

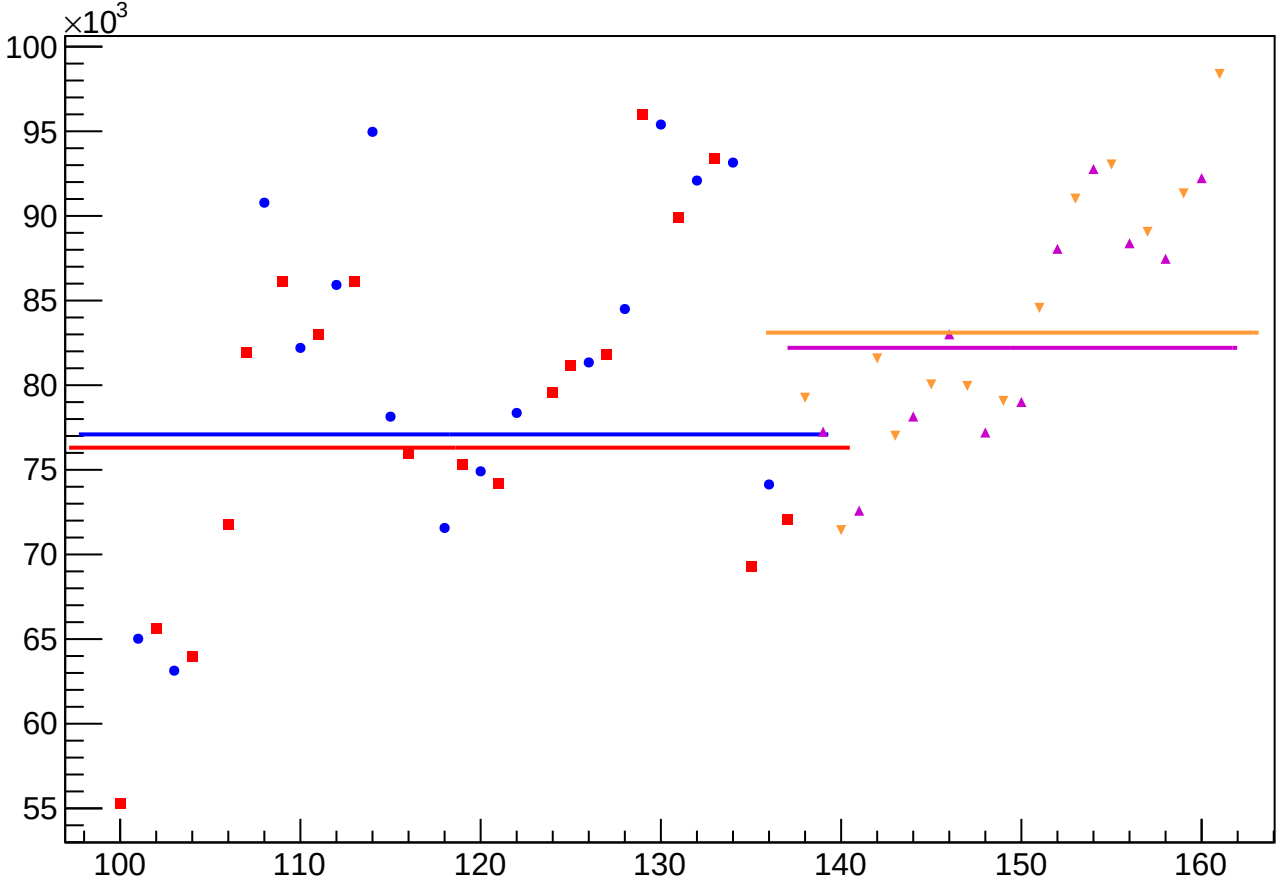
+ sign 1600.702+/-0.287 χ^2/NDF: 3883328.3/28

All: 1609.667+/-0.205 χ^2/NDF: 7630121.1/58

- sign 1619.132+/-0.294 χ^2/NDF: 3744780.4/29


diff_bpm0r05X_mean vs Slug
600
400
200
0
−200
100
110
120
130
140
150
160
Right In: 58.446+/-28.918 χ²/NDF: 11.3/15
Left Out: -26.773+/-25.938 χ²/NDF:16.9/12
Right Out: -33.520+/-28.106 χ²/NDF: 14.7/18
Left In: -24.845+/-26.703 χ²/NDF:15.0/10
+ sign 11.222+/-19.309 χ²/NDF: 33.0/28
All: -8.818+/-13.671 χ²/NDF: 64.9/58
- sign -28.961+/-19.359 χ²/NDF: 29.7/29

diff_bpm0r05X_rms vs Slug



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 83104.658+/-18.341 χ^2/NDF:160933.9/12

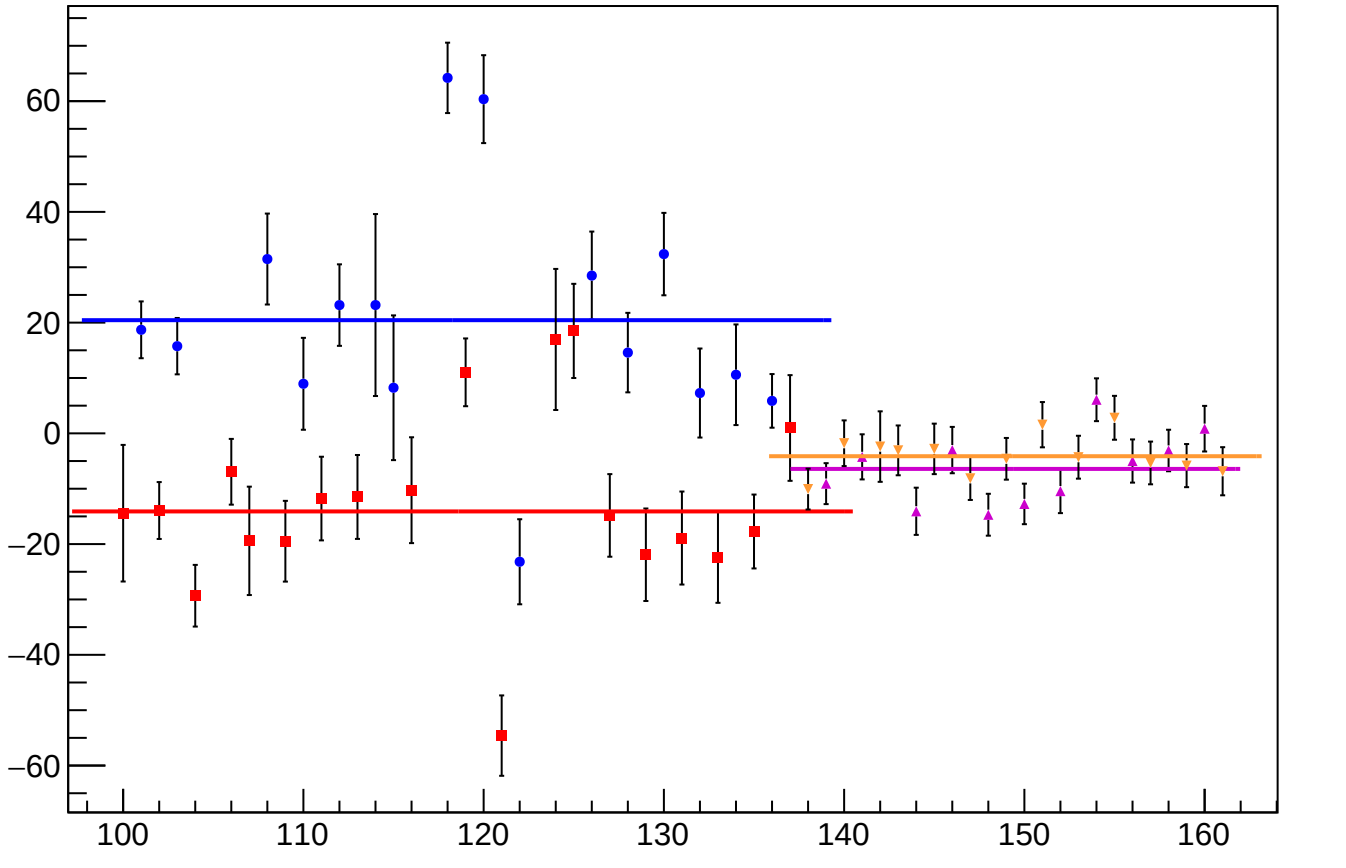
Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 82206.869+/-18.882 χ^2/NDF:117445.4/10

+ sign 80424.431+/-13.653 χ^2/NDF: 457373.3/28

All: 79917.850+/-9.667 χ^2/NDF: 858305.2/58

- sign 79408.650+/-13.689 χ^2/NDF: 398171.5/29



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -4.130+/-1.142 χ^2/NDF:9.9/12

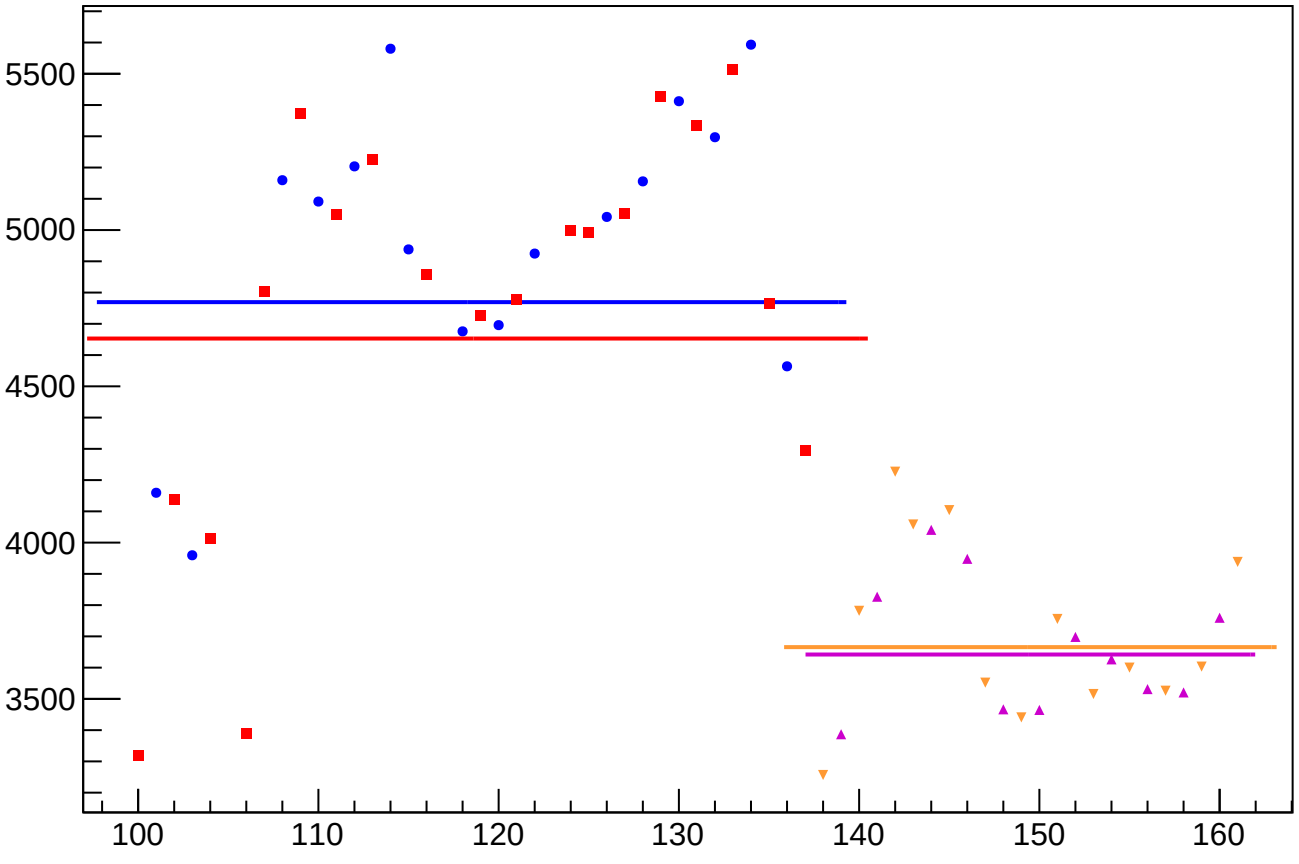
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -6.423+/-1.182 χ^2/NDF:27.9/10

+ sign 3.026+/-0.962 χ^2/NDF: 272.5/28

All: -2.867+/-0.684 χ^2/NDF: 473.8/58

- sign -8.898+/-0.973 χ^2/NDF: 125.3/29



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3665.606+/-0.808 χ^2/NDF:99725.5/12

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

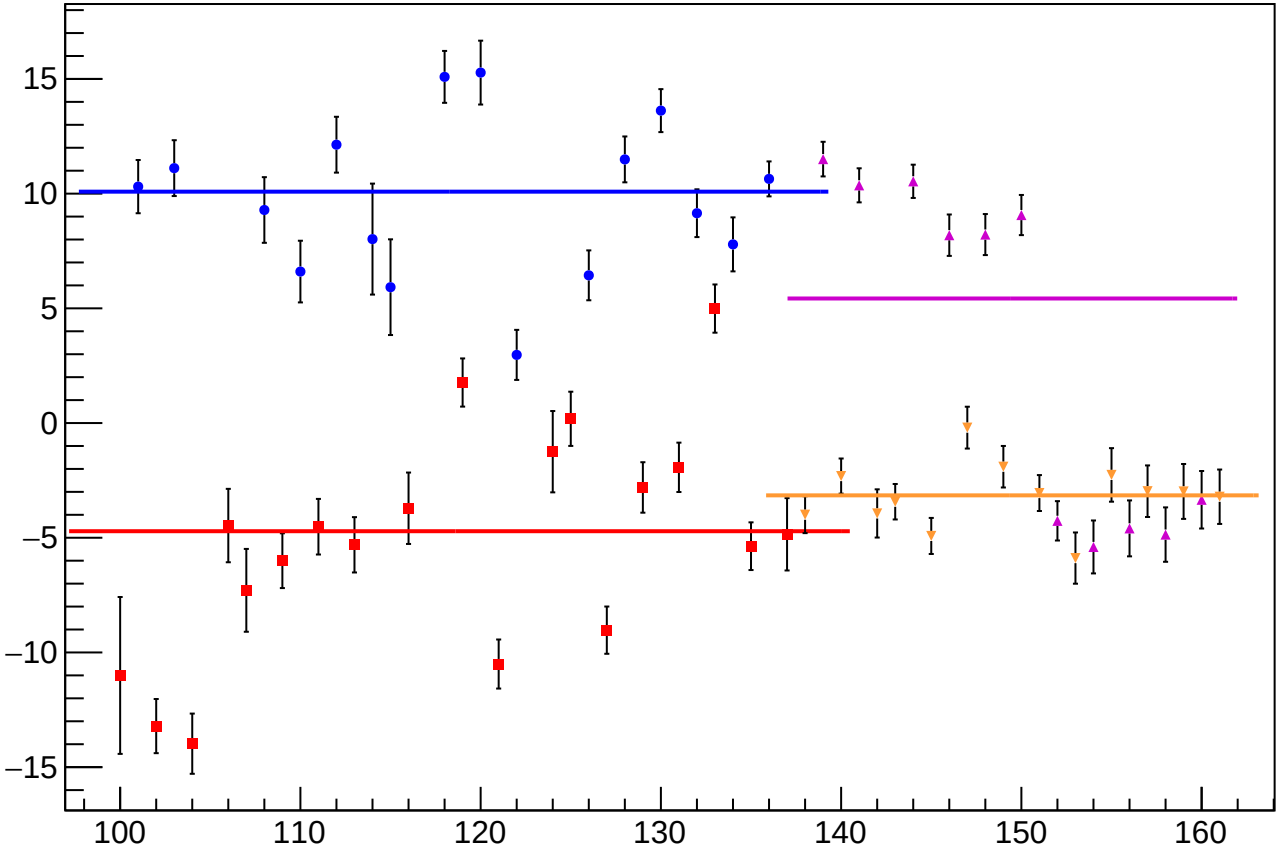
Left In: 3641.961+/-0.836 χ^2/NDF:56601.5/10

+ sign 3987.037+/-0.680 χ^2/NDF: 795287.7/28

All: 3977.560+/-0.484 χ^2/NDF: 1589124.4/58

- sign 3967.859+/-0.688 χ^2/NDF: 793443.6/29

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.152+/-0.256 χ^2/NDF:27.1/12

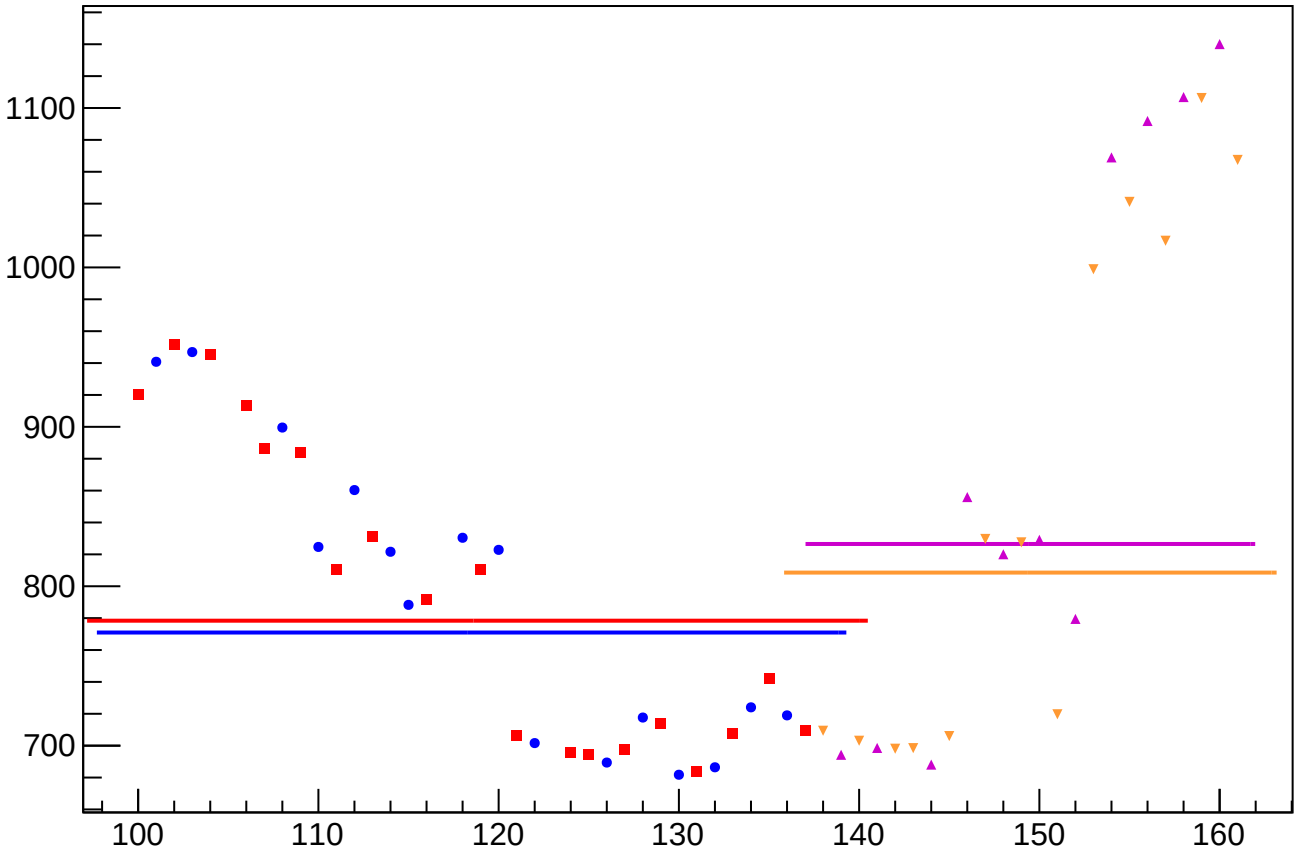
Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: 5.429+/-0.273 χ^2/NDF:602.6/10

+ sign 2.687+/-0.192 χ^2/NDF: 1329.0/28

All: 1.667+/-0.137 χ^2/NDF: 2958.4/58

- sign 0.583+/-0.198 χ^2/NDF: 1570.9/29



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 808.573+/-0.181 χ^2/NDF:618061.7/12

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

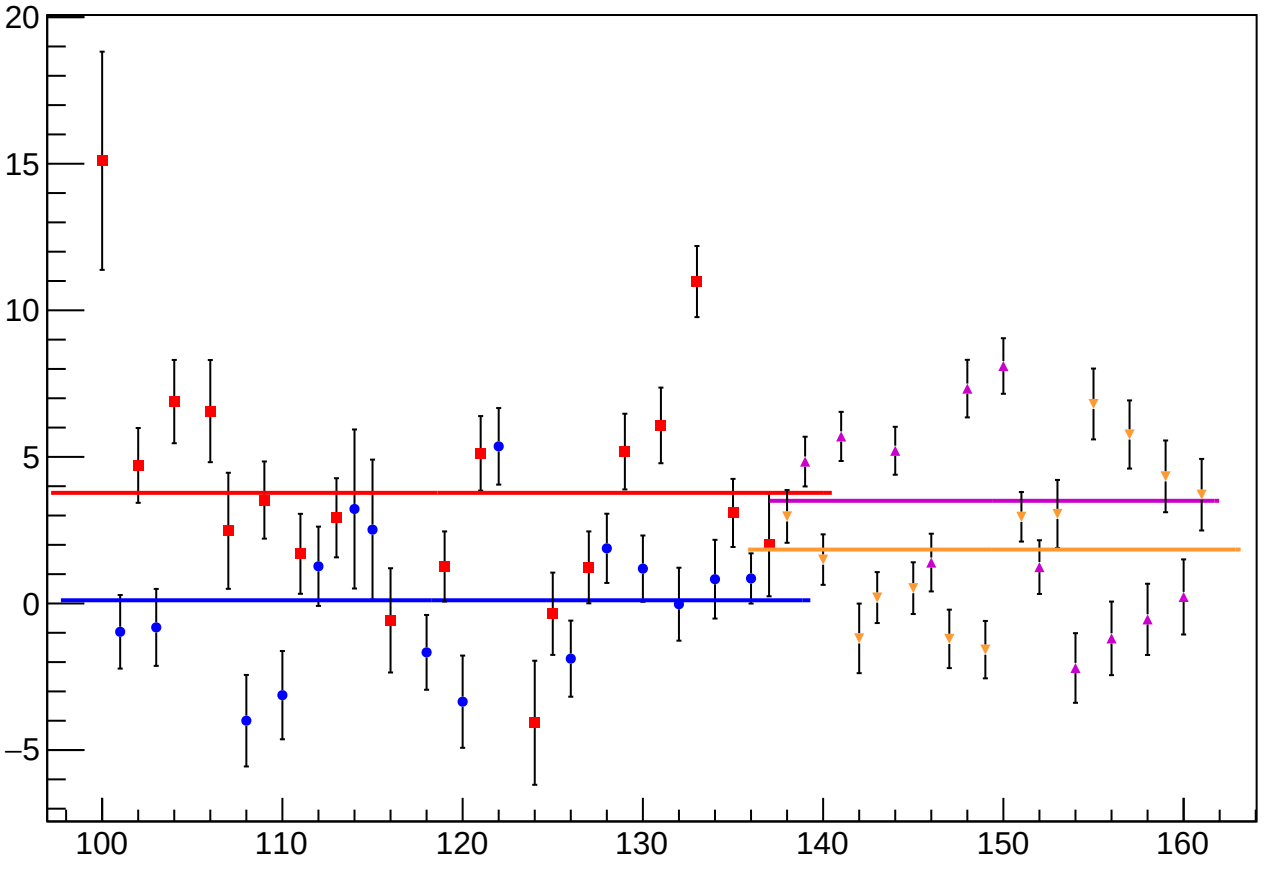
Left In: 826.515+/-0.193 χ^2/NDF:621949.2/10

\+ sign 791.990+/-0.135 χ^2/NDF: 829978.7/28

All: 797.579+/-0.097 χ^2/NDF: 1681605.9/58

\- sign 803.525+/-0.140 χ^2/NDF: 848111.8/29

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 1.839+/-0.279 χ^2/NDF:73.2/12

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

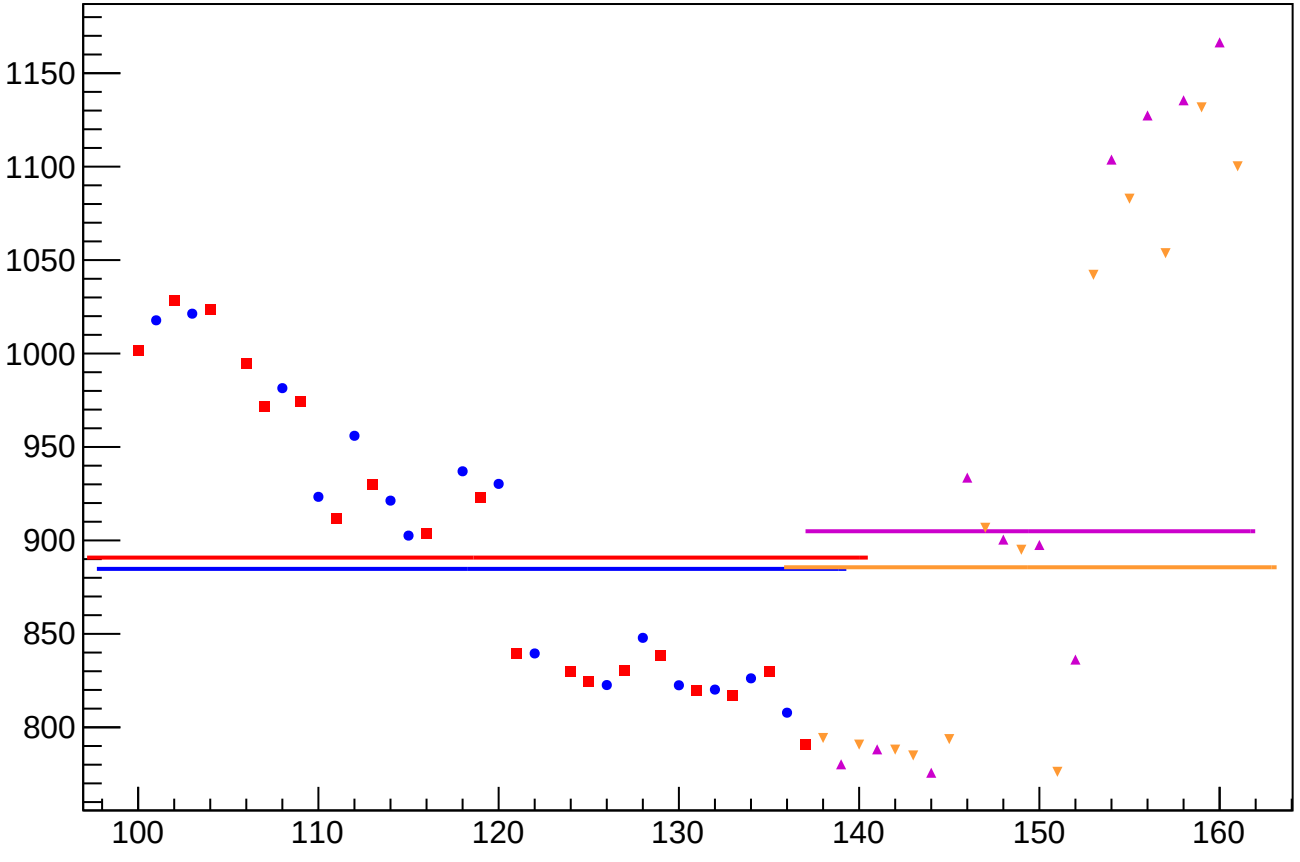
Left In: 3.502+/-0.297 χ^2/NDF:117.8/10

+ sign 1.118+/-0.213 χ^2/NDF: 134.6/28

All: 2.333+/-0.153 χ^2/NDF: 419.5/58

- sign 3.626+/-0.220 χ^2/NDF: 217.7/29

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 885.637+/-0.197 χ^2/NDF:415744.9/12

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

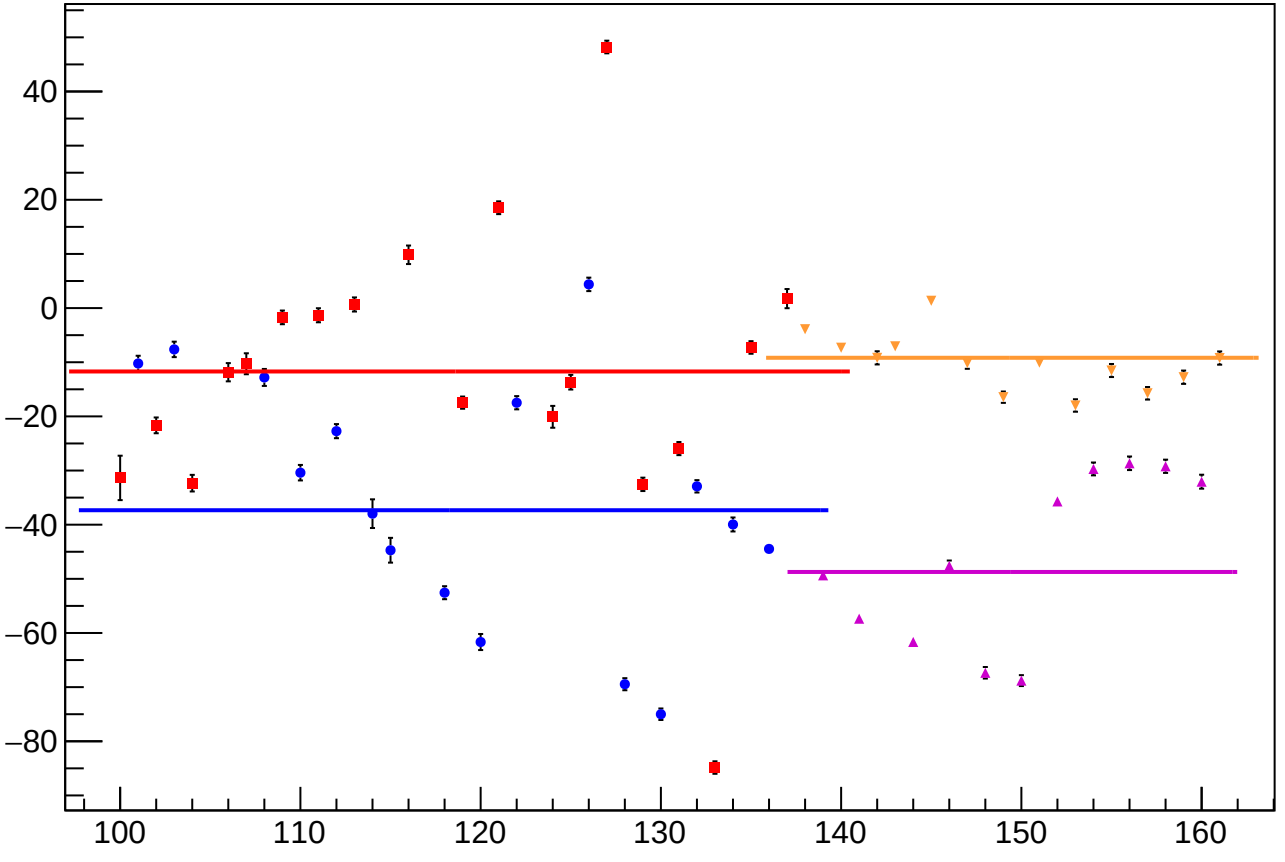
Left In: 904.908+/-0.210 χ^2/NDF:419402.8/10

+ sign 885.277+/-0.151 χ^2/NDF: 520247.0/28

All: 891.689+/-0.108 χ^2/NDF: 1053195.4/58

- sign 898.511+/-0.155 χ^2/NDF: 529206.6/29

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -9.176+/-0.283 χ^2/NDF:332.0/12

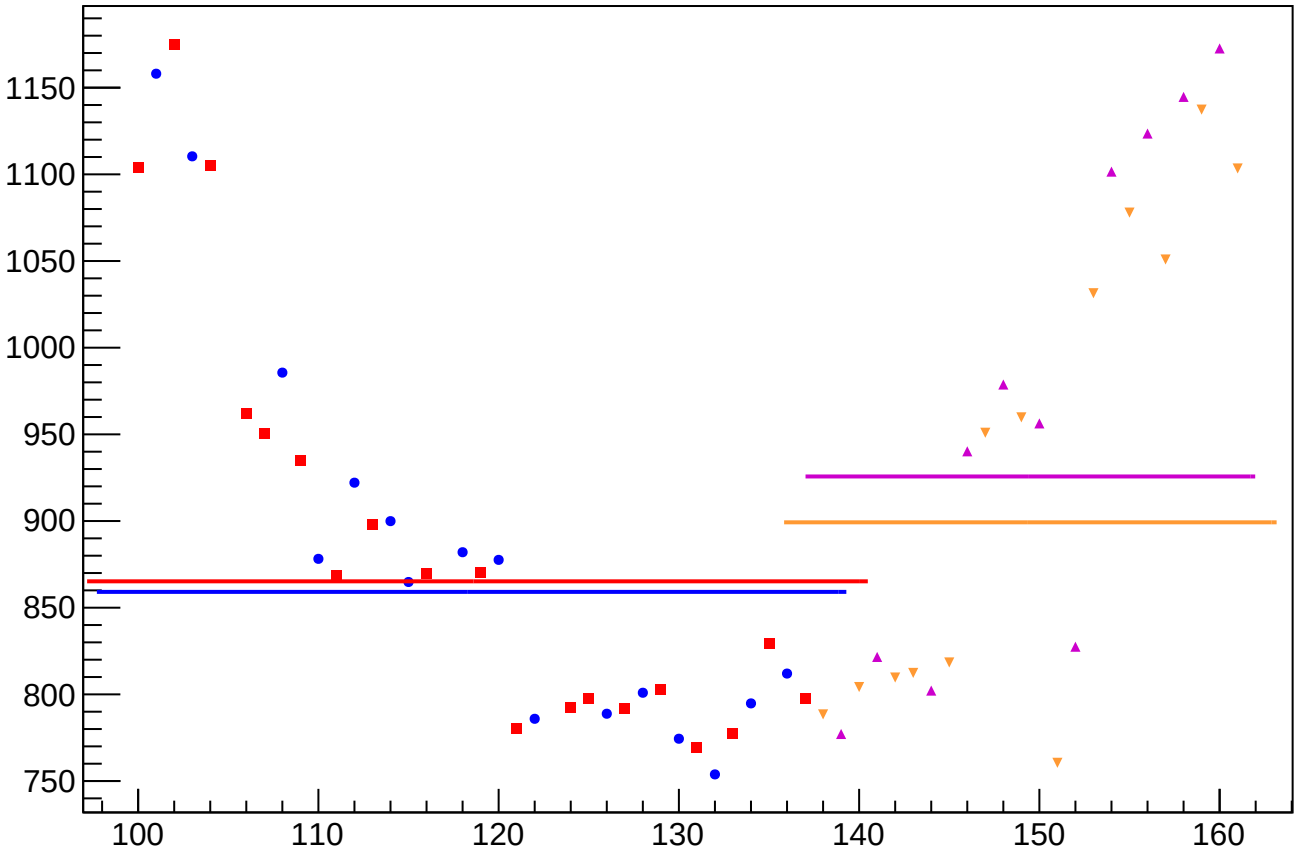
Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: -48.731+/-0.304 χ^2/NDF:2173.1/10

\+ sign -21.464+/-0.213 χ^2/NDF: 9832.1/28

All: -26.096+/-0.153 χ^2/NDF: 28535.7/58

\- sign -31.045+/-0.220 χ^2/NDF: 17721.3/29



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 899.253+/-0.200 χ^2/NDF:402343.3/12

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

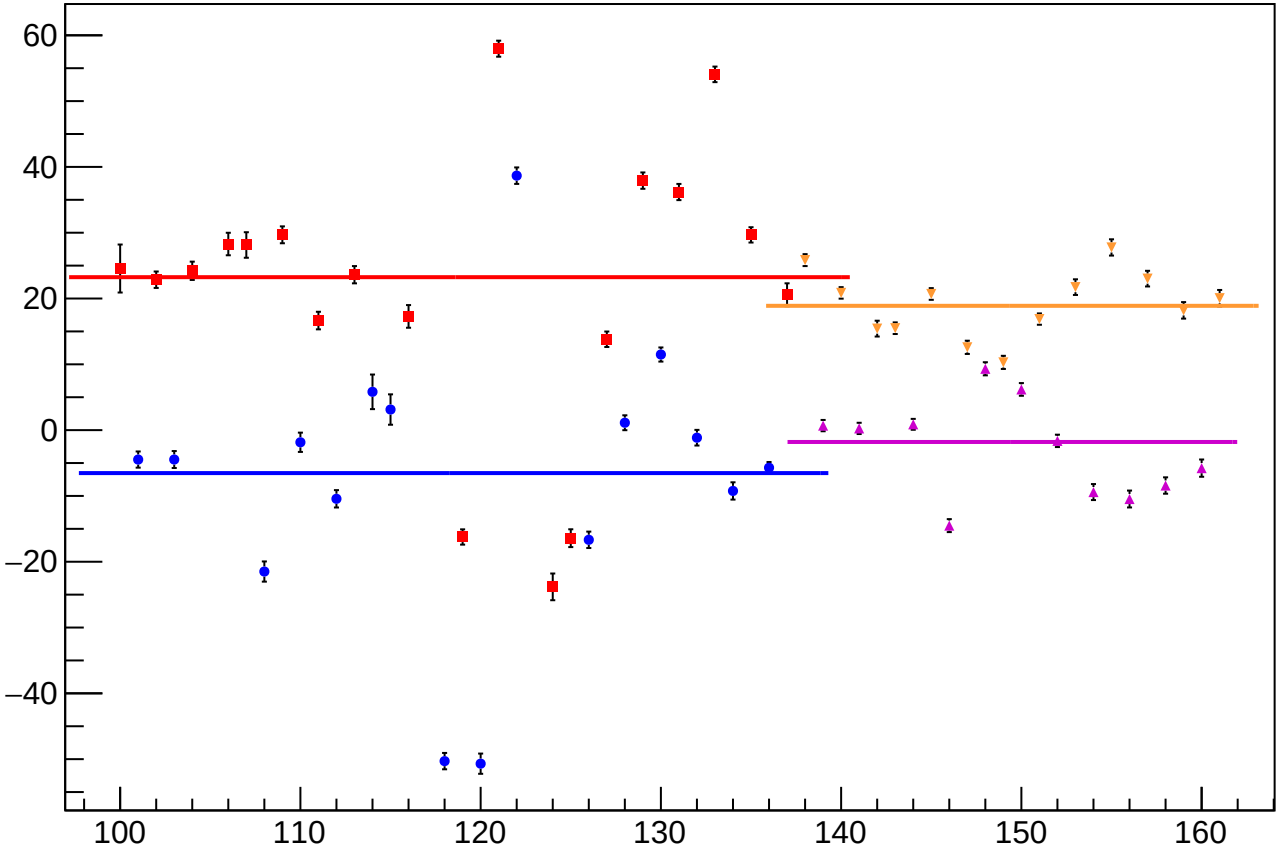
Left In: 925.706+/-0.215 χ^2/NDF:394700.9/10

+ sign 881.739+/-0.150 χ^2/NDF: 648585.0/28

All: 889.025+/-0.108 χ^2/NDF: 1309639.6/58

- sign 896.810+/-0.155 χ^2/NDF: 656193.6/29

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 18.891+/-0.284 χ^2/NDF:280.1/12

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

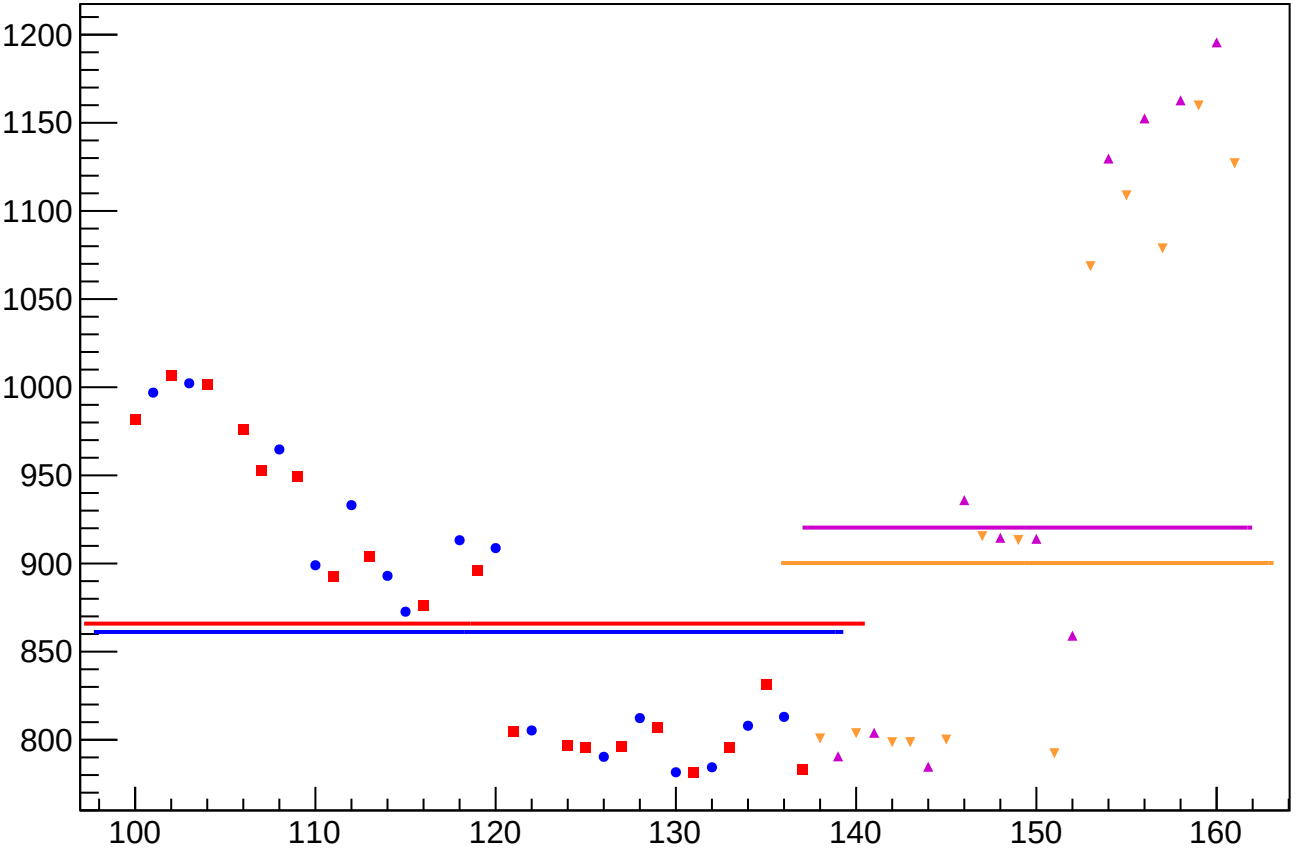
Left In: -1.800+/-0.302 χ^2/NDF:506.0/10

+ sign 7.754+/-0.213 χ^2/NDF: 7745.5/28

All: 8.909+/-0.152 χ^2/NDF: 16049.4/58

- sign 10.132+/-0.219 χ^2/NDF: 8243.2/29

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 900.299+/-0.201 χ^2/NDF:439997.1/12

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

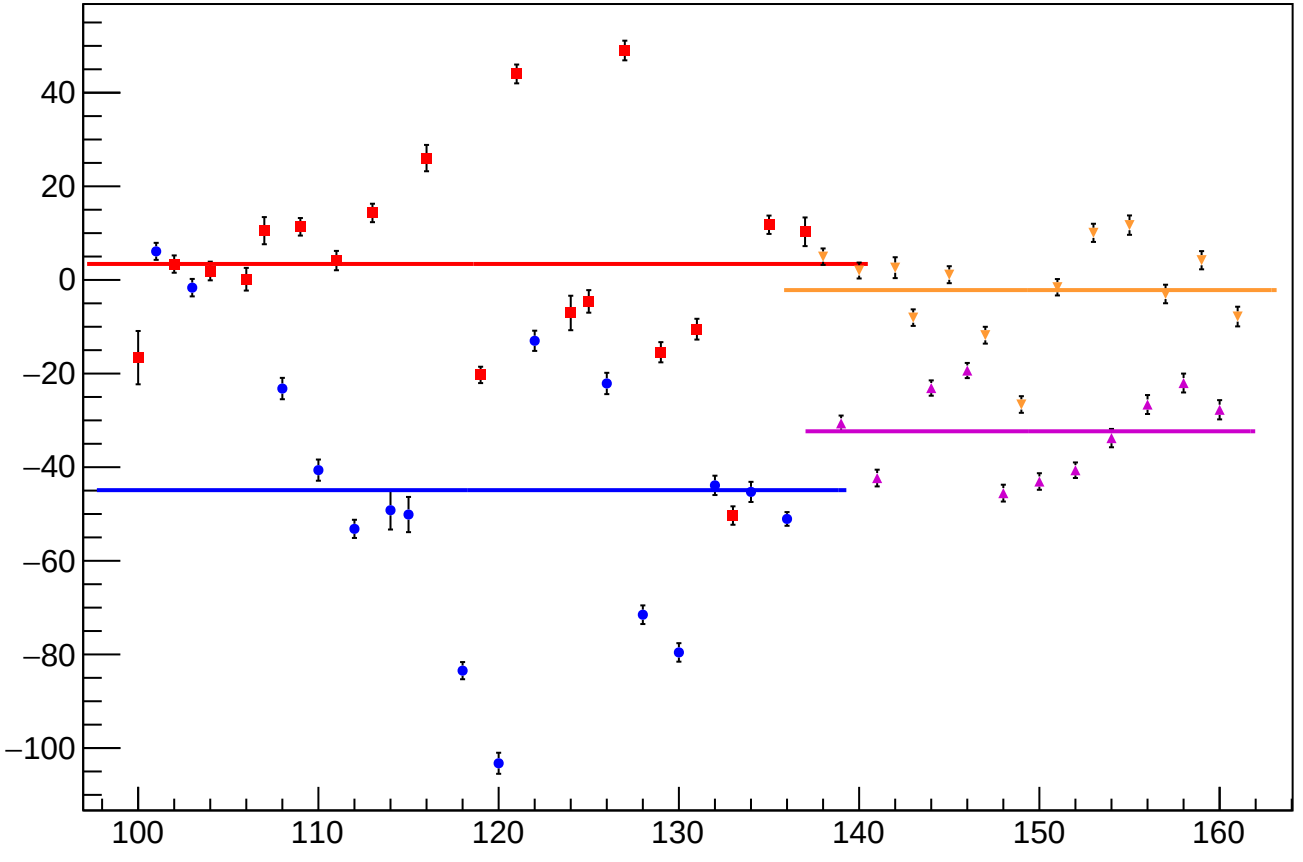
Left In: 920.375+/-0.214 χ^2/NDF:434335.4/10

+ sign 883.156+/-0.150 χ^2/NDF: 570205.5/28

All: 888.627+/-0.108 χ^2/NDF: 1156595.7/58

- sign 894.423+/-0.155 χ^2/NDF: 583662.5/29

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.168+/-0.520 χ^2/NDF:362.3/12

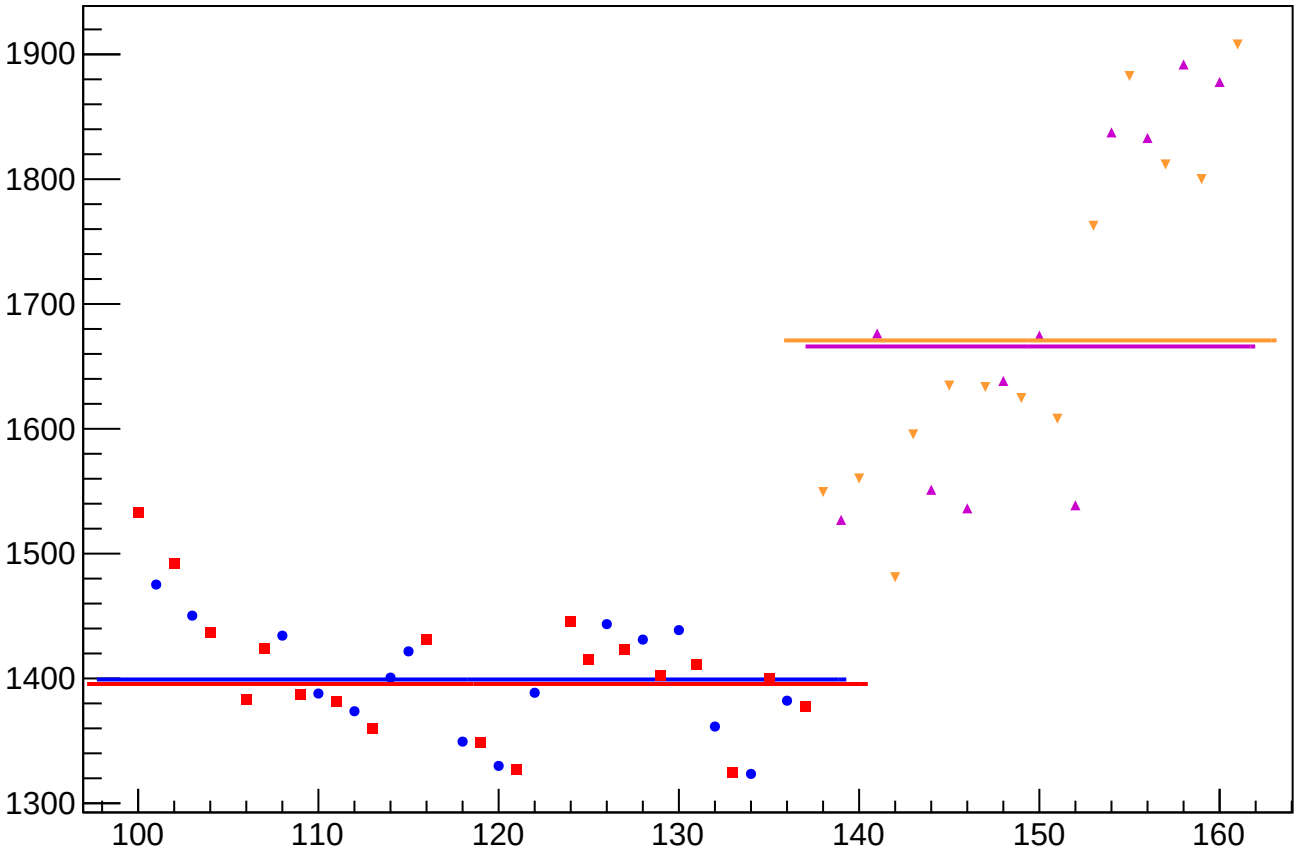
Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: -32.331+/-0.542 χ^2/NDF:283.7/10

+ sign -23.560+/-0.368 χ^2/NDF: 7114.8/28

All: -18.499+/-0.261 χ^2/NDF: 12194.5/58

- sign -13.351+/-0.371 χ^2/NDF: 4697.8/29



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1670.821+/-0.368 χ^2/NDF:111504.6/12

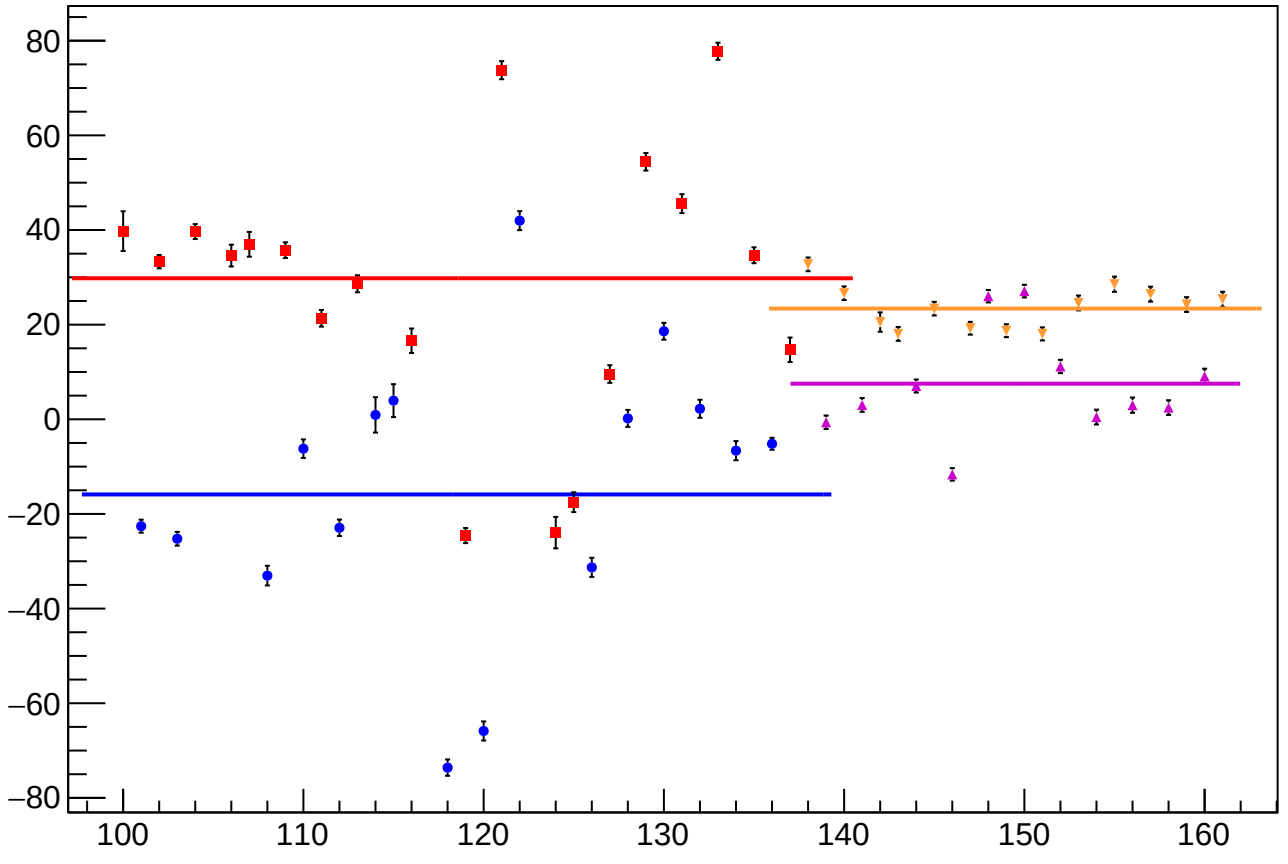
Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1665.967+/-0.383 χ^2/NDF:124246.9/10

+ sign 1534.848+/-0.260 χ^2/NDF: 399061.3/28

All: 1528.670+/-0.185 χ^2/NDF: 805309.0/58

- sign 1522.386+/-0.262 χ^2/NDF: 405109.8/29



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 23.404+/-0.418 χ^2/NDF:113.9/12

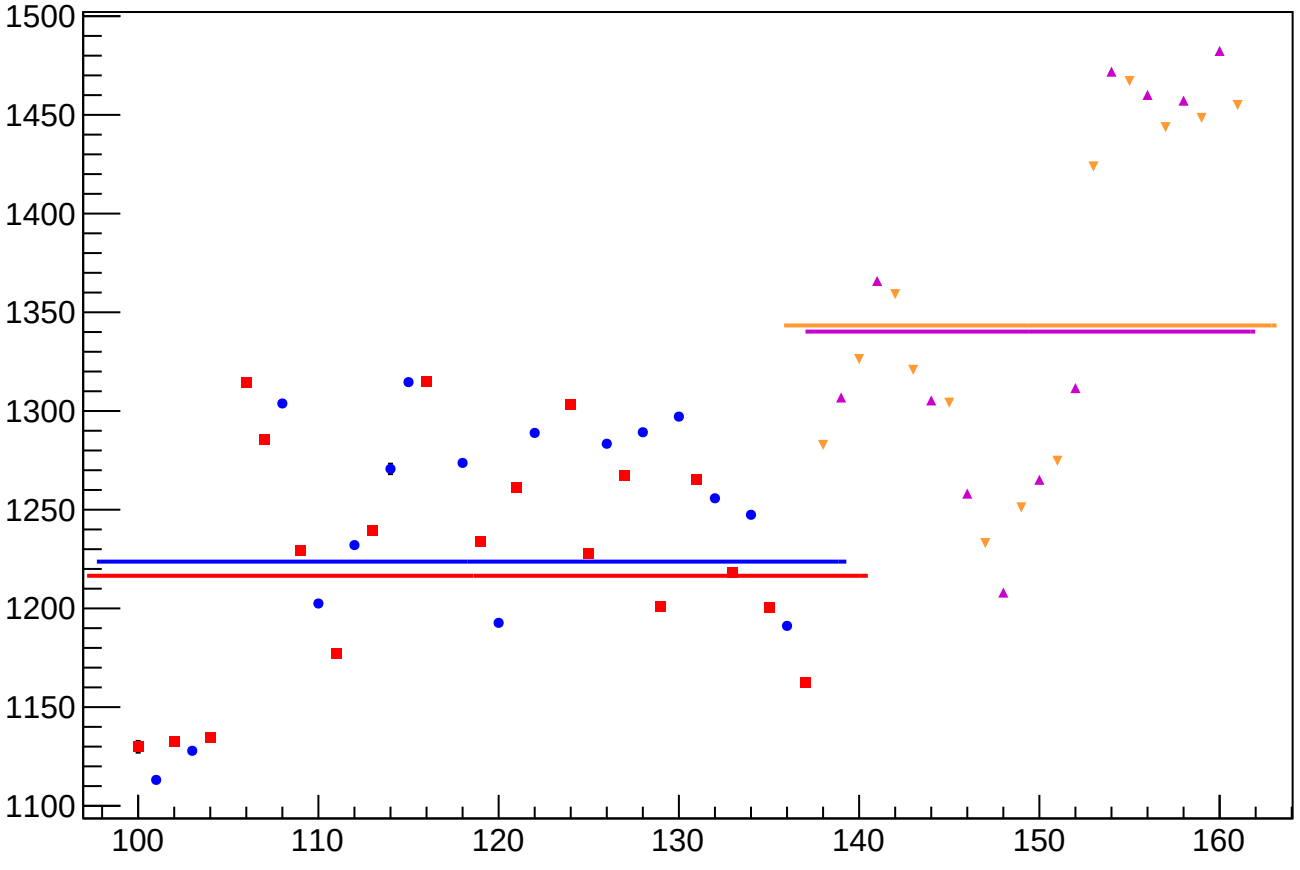
Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 7.526+/-0.435 χ^2/NDF:709.4/10

\+ sign 5.430+/-0.308 χ^2/NDF: 7630.5/28

All: 11.867+/-0.219 χ^2/NDF: 14186.5/58

\- sign 18.426+/-0.311 χ^2/NDF: 5673.8/29



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1343.327+/-0.296 χ^2/NDF:76814.2/12

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

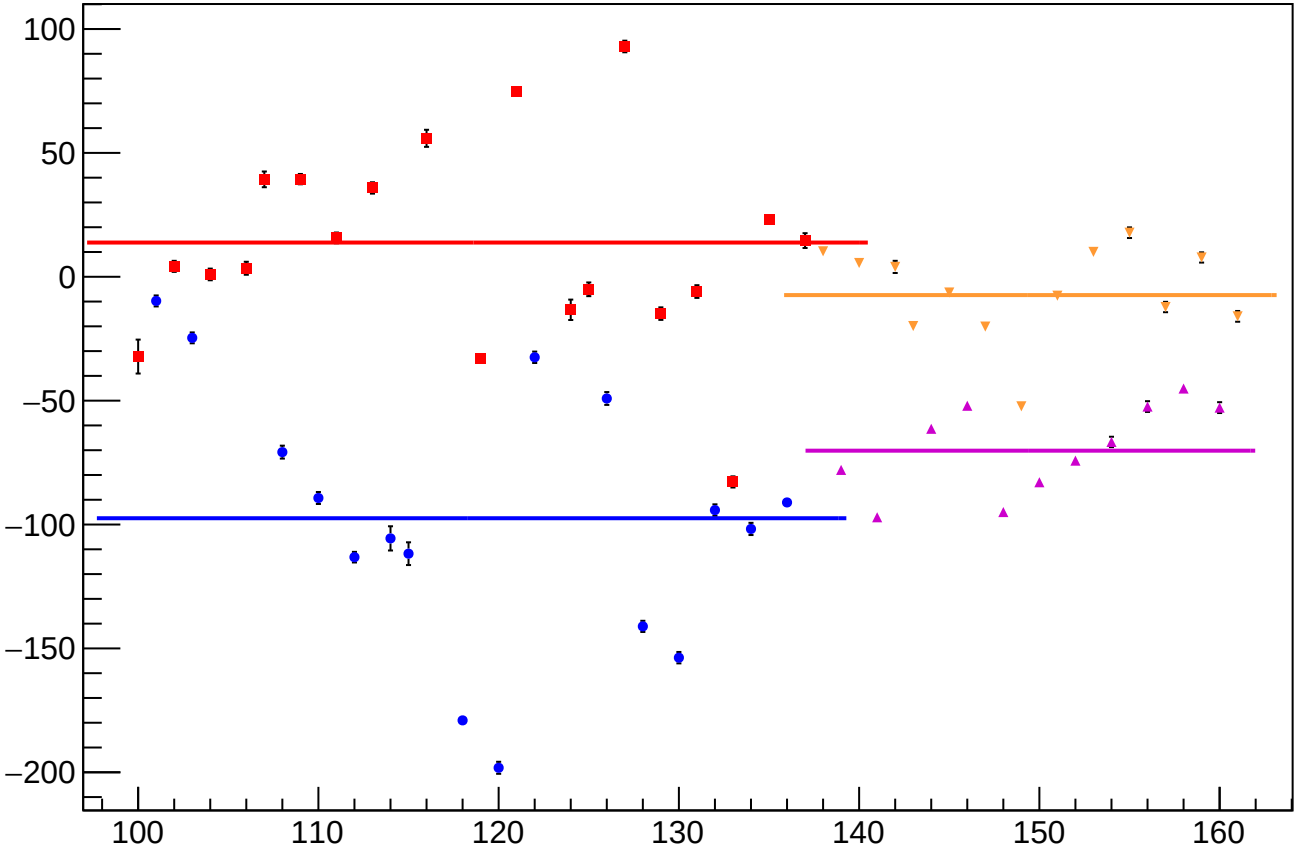
Left In: 1340.226+/-0.308 χ^2/NDF:89797.4/10

+ sign 1288.592+/-0.218 χ^2/NDF: 192609.4/28

All: 1284.187+/-0.155 χ^2/NDF: 391751.5/58

- sign 1279.697+/-0.220 χ^2/NDF: 198315.6/29

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -7.389+/-0.537 χ^2/NDF:1184.6/12

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

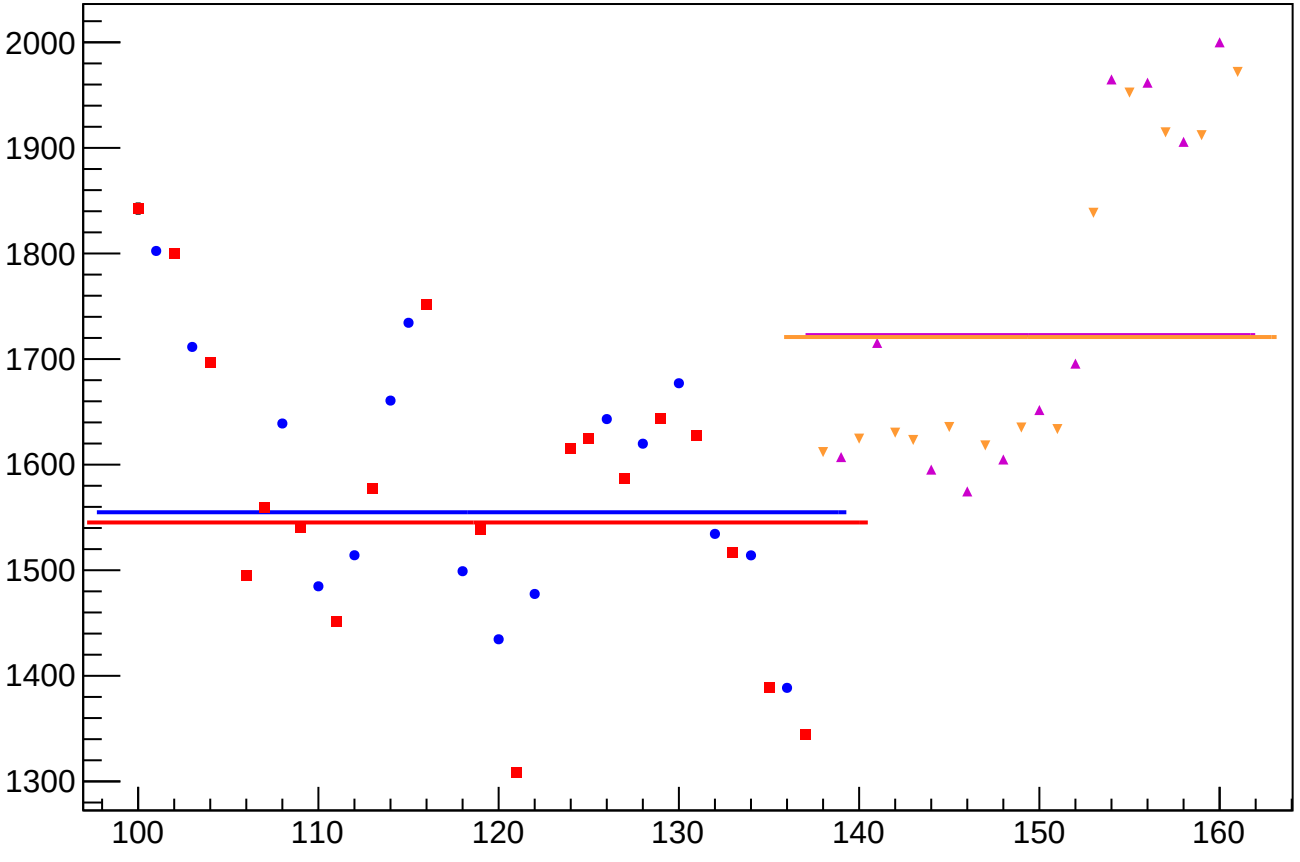
Left In: -70.189+/-0.560 χ^2/NDF:926.3/10

+ sign -48.967+/-0.394 χ^2/NDF: 22492.9/28

All: -38.895+/-0.280 χ^2/NDF: 41230.5/58

- sign -28.600+/-0.398 χ^2/NDF: 17414.0/29

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1720.866+/-0.379 χ^2/NDF:132970.9/12

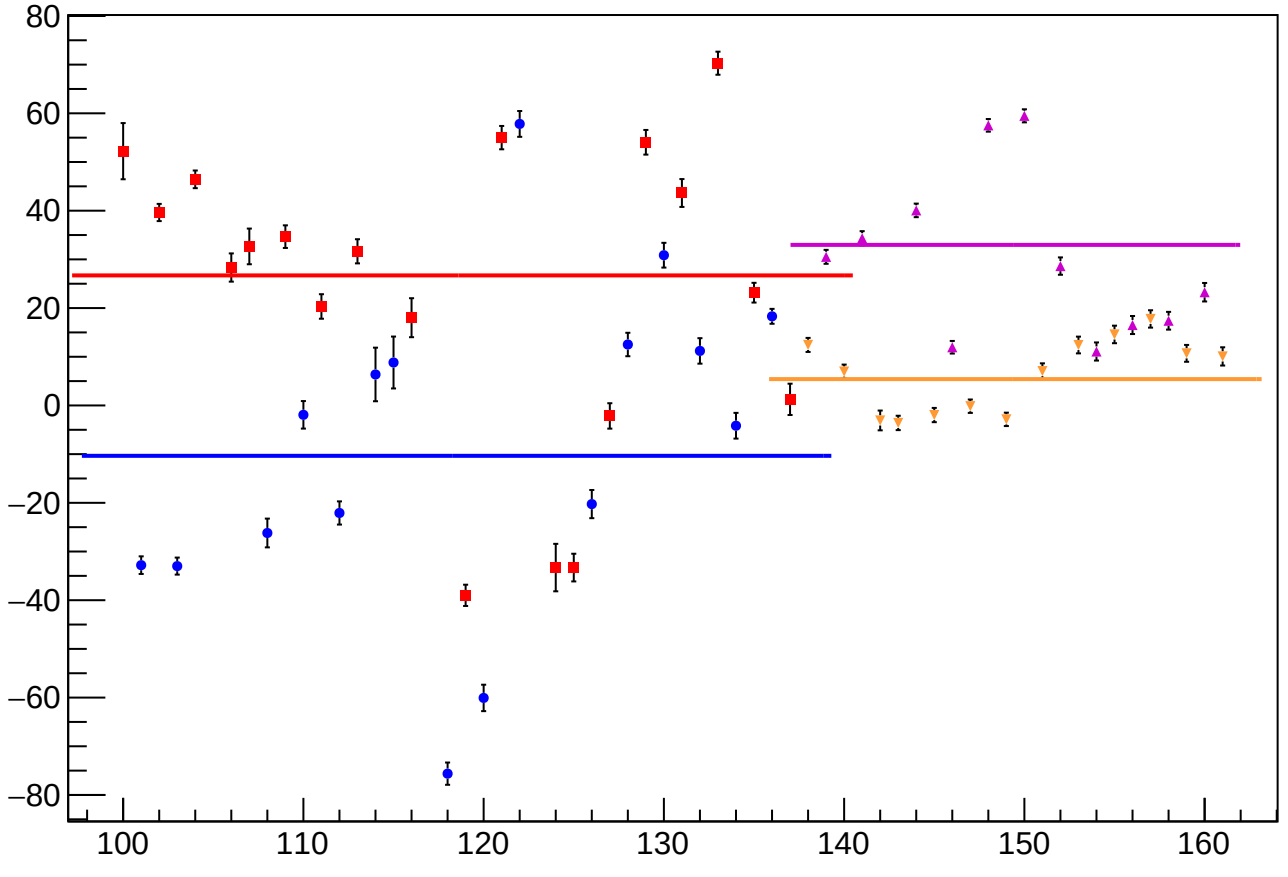
Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1722.711+/-0.396 χ^2/NDF:148341.1/10

+ sign 1644.254+/-0.278 χ^2/NDF: 309220.8/28

All: 1639.603+/-0.198 χ^2/NDF: 666317.3/58

- sign 1634.849+/-0.281 χ^2/NDF: 356532.1/29



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 5.411+/-0.440 χ^2/NDF:264.5/12

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

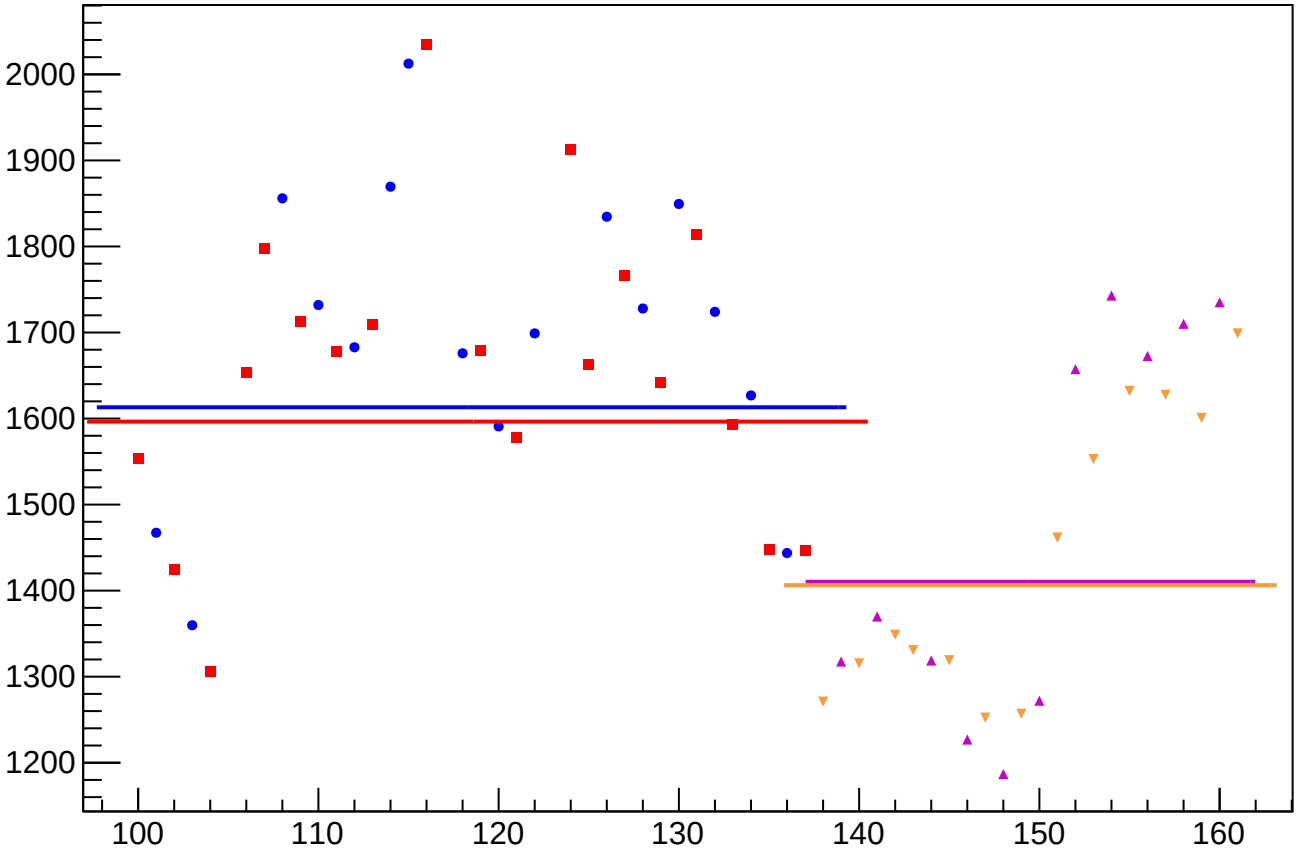
Left In: 32.976+/-0.462 χ^2/NDF:1364.0/10

\+ sign -0.062+/-0.355 χ^2/NDF: 3716.8/28

All: 14.946+/-0.254 χ^2/NDF: 11330.8/58

\- sign 30.577+/-0.363 χ^2/NDF: 3975.2/29

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1406.354+/-0.311 χ^2/NDF:241347.9/12

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

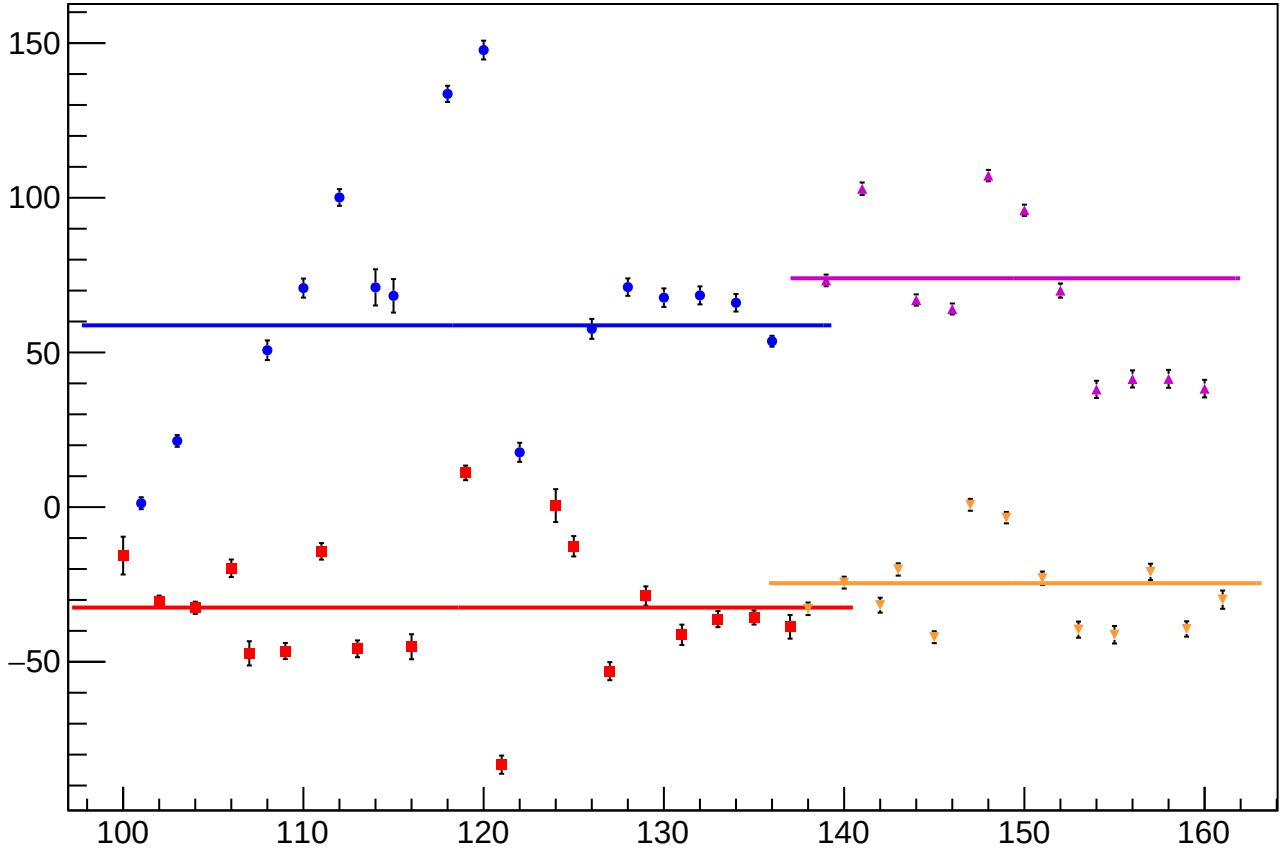
Left In: 1410.290+/-0.327 χ^2/NDF:394176.1/10

+ sign 1478.177+/-0.251 χ^2/NDF: 549410.4/28

All: 1479.829+/-0.180 χ^2/NDF: 1228802.4/58

- sign 1481.549+/-0.257 χ^2/NDF: 679303.8/29

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -24.592+/-0.611 χ^2/NDF:530.8/12

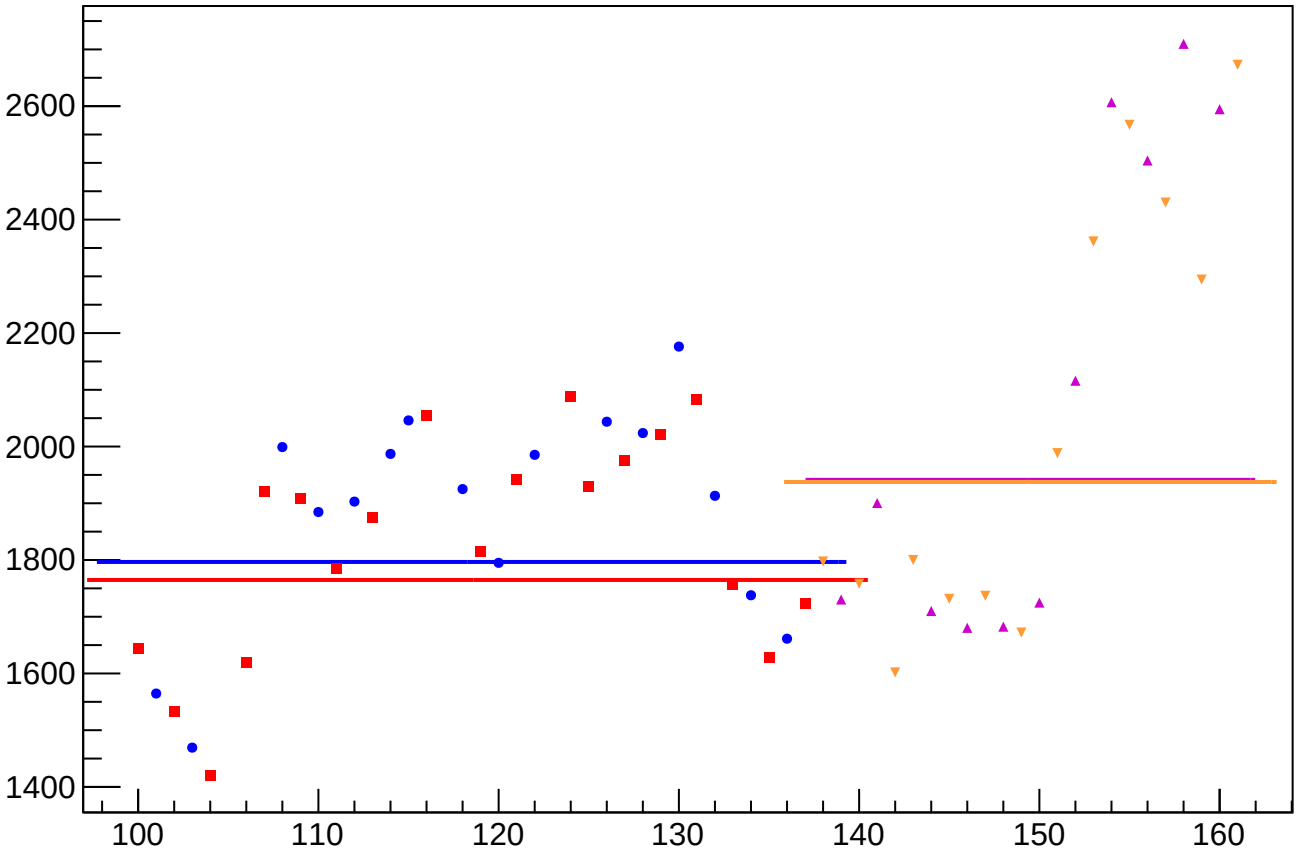
Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: 73.978+/-0.640 χ^2/NDF:1311.1/10

+ sign 13.093+/-0.452 χ^2/NDF: 12392.2/28

All: 17.230+/-0.321 χ^2/NDF: 28447.4/58

- sign 21.431+/-0.456 χ^2/NDF: 15886.4/29



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1937.580+/-0.432 χ^2/NDF:549779.6/12

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

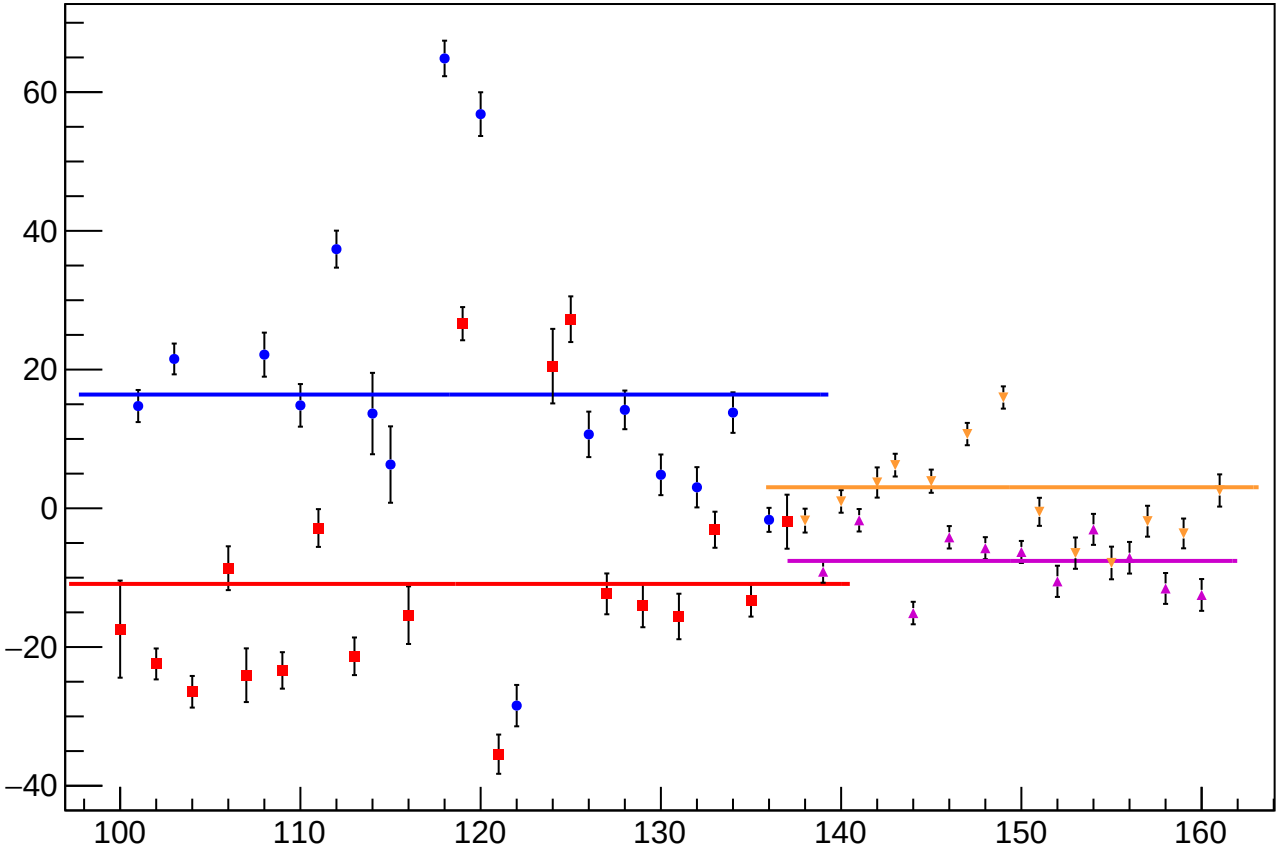
Left In: 1941.313+/-0.453 χ^2/NDF:624487.7/10

+ sign 1873.821+/-0.320 χ^2/NDF: 791145.5/28

All: 1864.088+/-0.227 χ^2/NDF: 1682477.3/58

- sign 1854.206+/-0.322 χ^2/NDF: 889464.2/29

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 3.038+/-0.523 χ^2/NDF:158.0/12

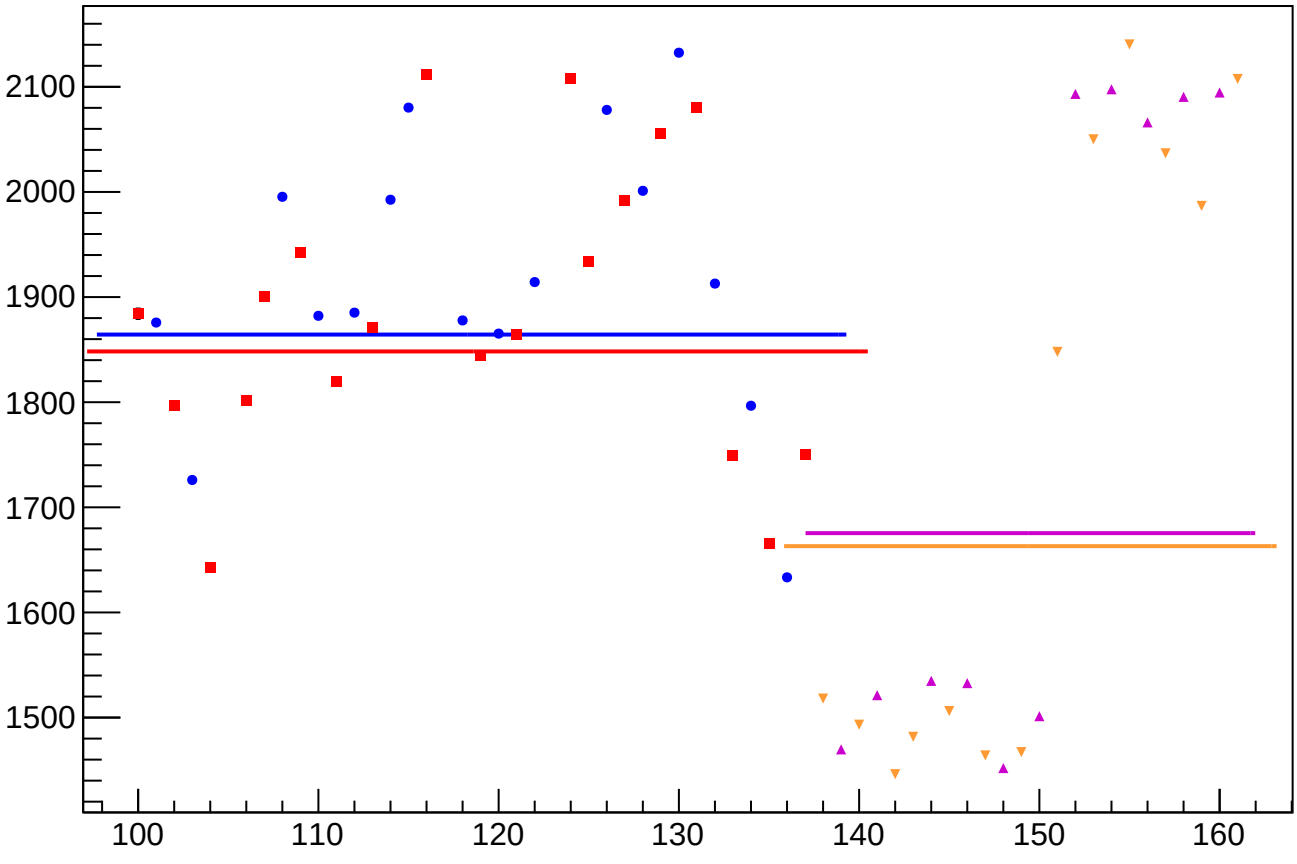
Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: -7.583+/-0.549 χ^2/NDF:55.6/10

\+ sign 7.870+/-0.418 χ^2/NDF: 1367.0/28

All: -0.348+/-0.298 χ^2/NDF: 2867.9/58

\- sign -8.901+/-0.426 χ^2/NDF: 711.8/29



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1663.065+/-0.370 χ^2/NDF:490955.2/12

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

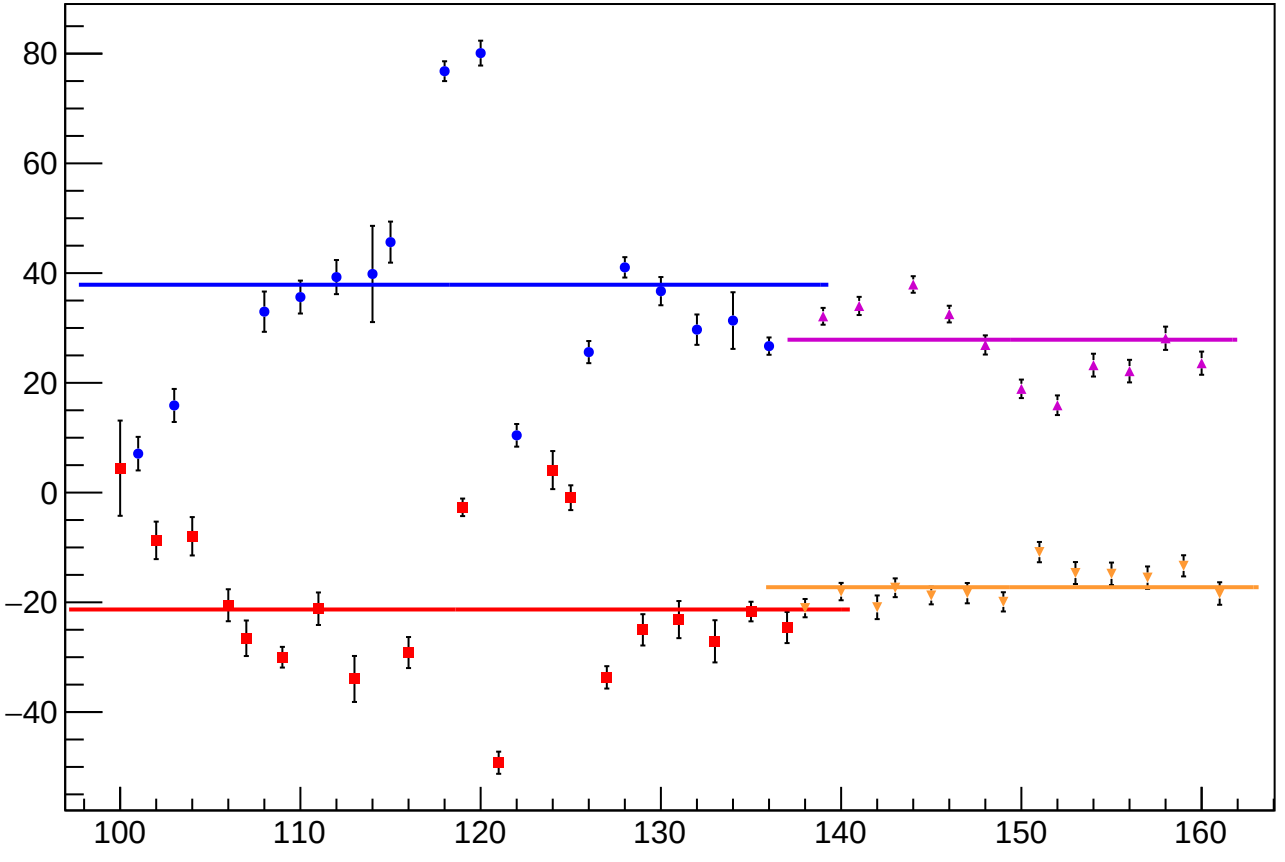
Left In: 1675.454+/-0.388 χ^2/NDF:481118.6/10

+ sign 1735.853+/-0.296 χ^2/NDF: 681348.6/28

All: 1739.924+/-0.211 χ^2/NDF: 1316511.9/58

- sign 1744.160+/-0.301 χ^2/NDF: 634776.1/29

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.244+/-0.510 χ^2/NDF:32.1/12

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

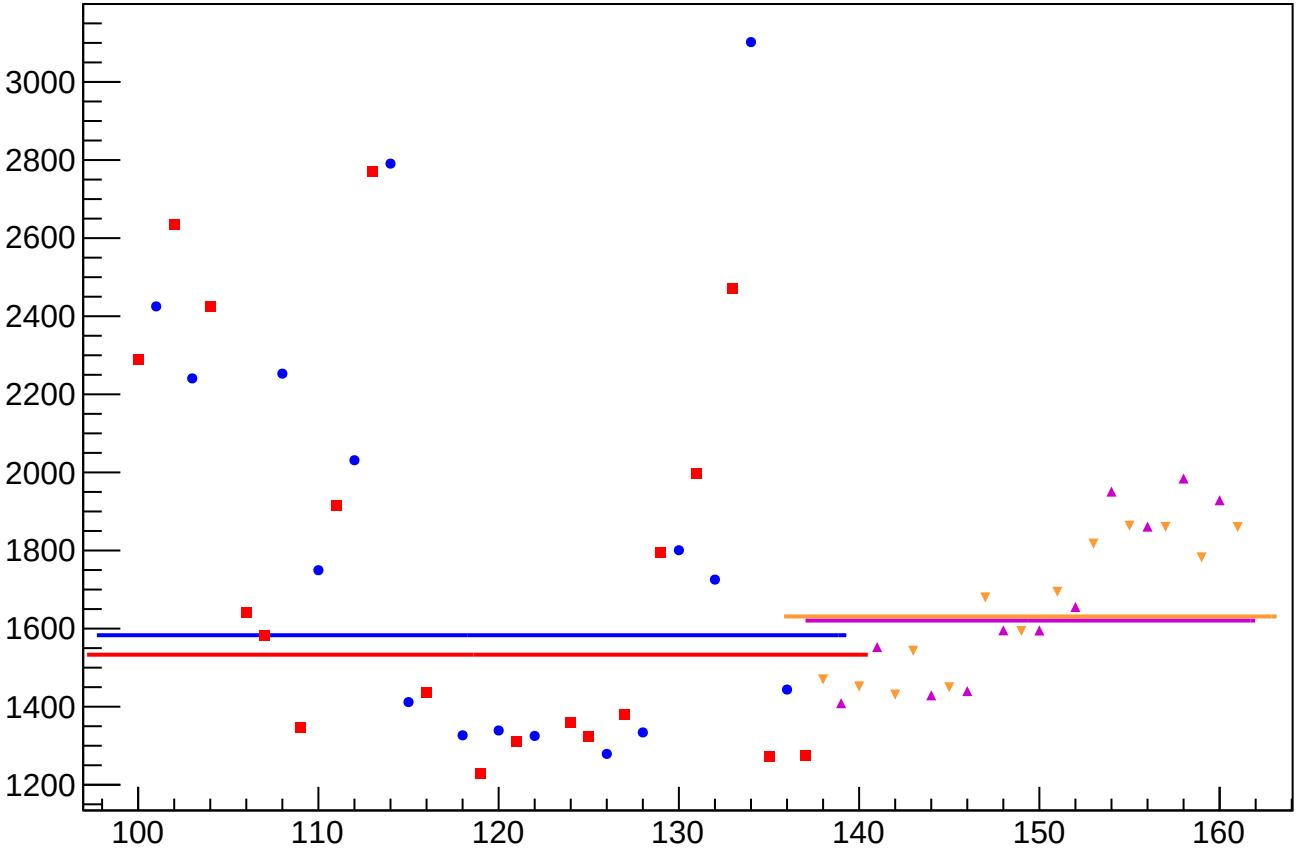
Left In: 27.860+/-0.530 χ^2/NDF:165.3/10

\+ sign 4.898+/-0.394 χ^2/NDF: 5975.8/28

All: 5.471+/-0.279 χ^2/NDF: 10553.0/58

\- sign 6.045+/-0.395 χ^2/NDF: 4572.9/29

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1631.065+/-0.361 χ^2/NDF:202449.4/12

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

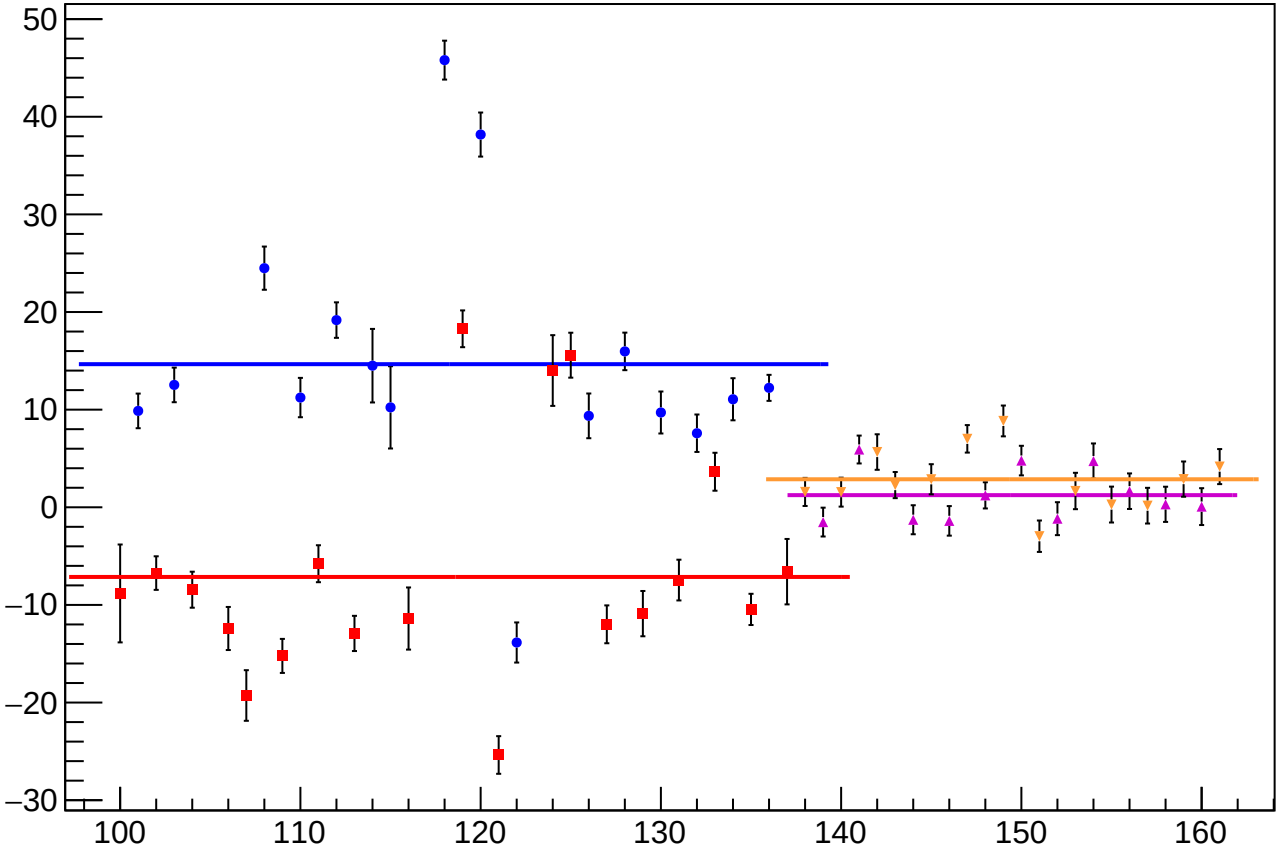
Left In: 1620.623+/-0.374 χ^2/NDF:282694.1/10

+ sign 1611.779+/-0.279 χ^2/NDF: 997244.5/28

All: 1596.824+/-0.197 χ^2/NDF: 2260666.7/58

- sign 1581.829+/-0.279 χ^2/NDF: 1257664.4/29

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.870+/-0.447 χ^2/NDF:45.4/12

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

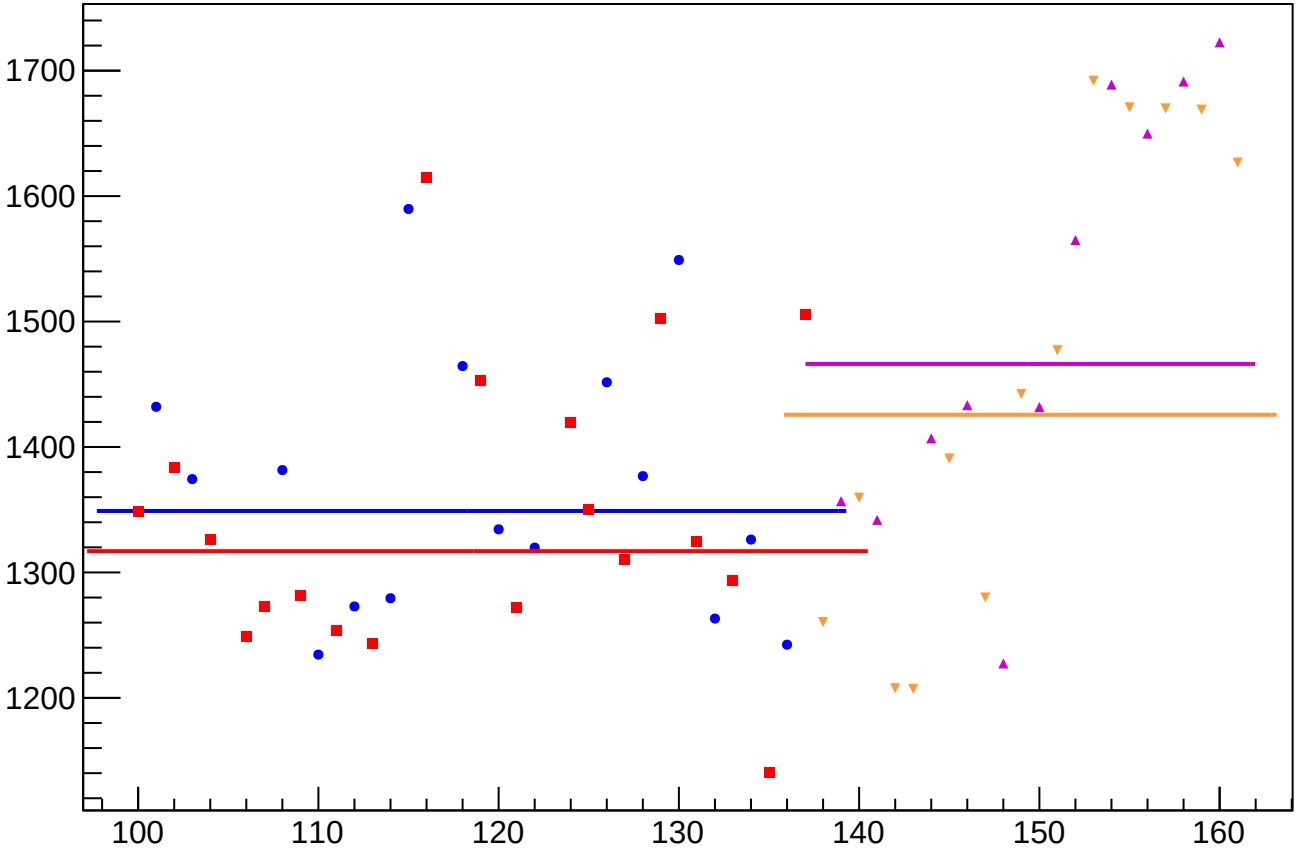
Left In: 1.244+/-0.478 χ^2/NDF:32.1/10

+ sign 8.051+/-0.334 χ^2/NDF: 966.2/28

All: 2.662+/-0.238 χ^2/NDF: 2187.2/58

- sign -2.898+/-0.340 χ^2/NDF: 693.5/29

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1425.673+/-0.316 χ^2/NDF:310638.7/12

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

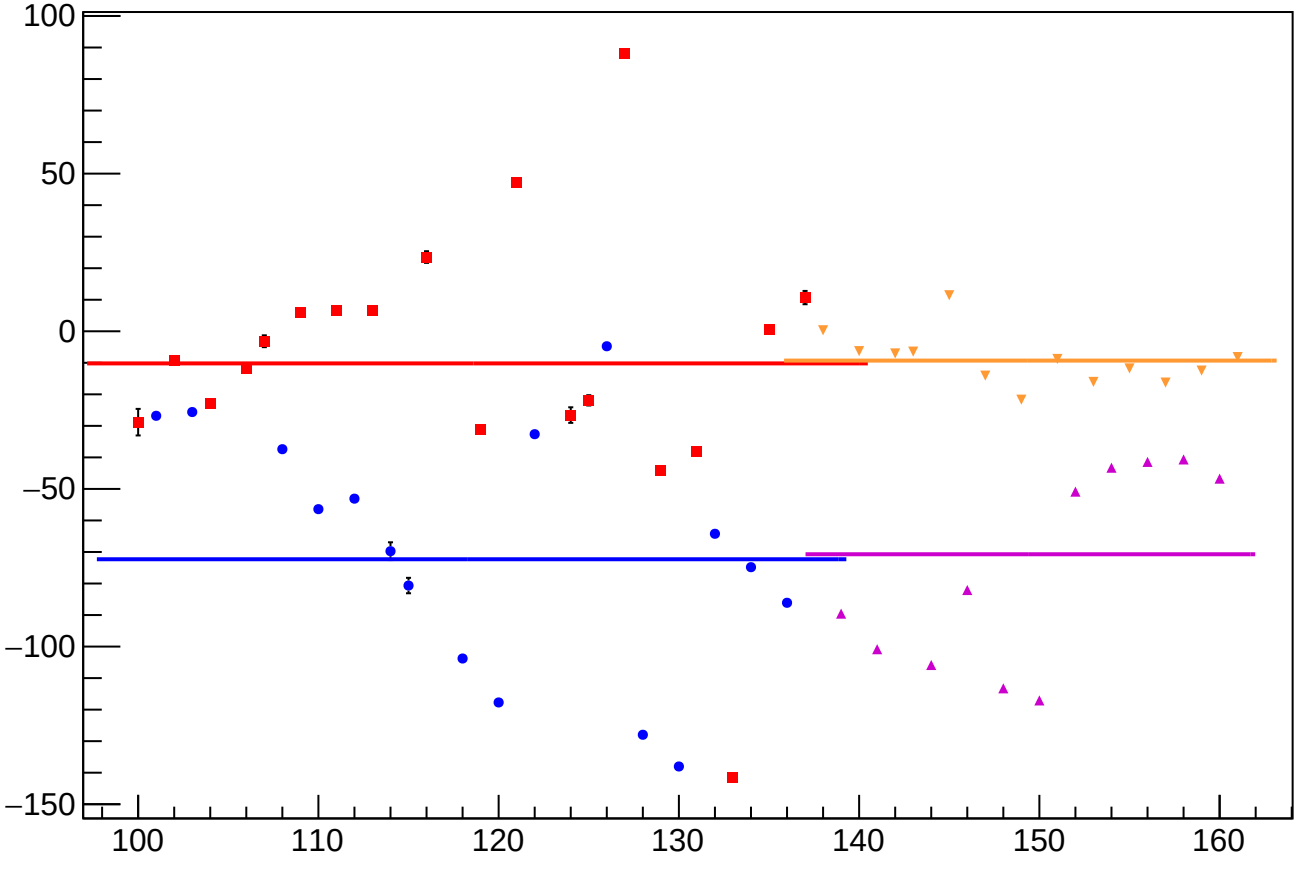
Left In: 1466.199+/-0.338 χ^2/NDF:220668.8/10

+ sign 1391.975+/-0.236 χ^2/NDF: 404914.8/28

All: 1392.195+/-0.169 χ^2/NDF: 808934.9/58

- sign 1392.422+/-0.240 χ^2/NDF: 404018.3/29

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -9.297+/-0.270 χ^2/NDF:782.4/12

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

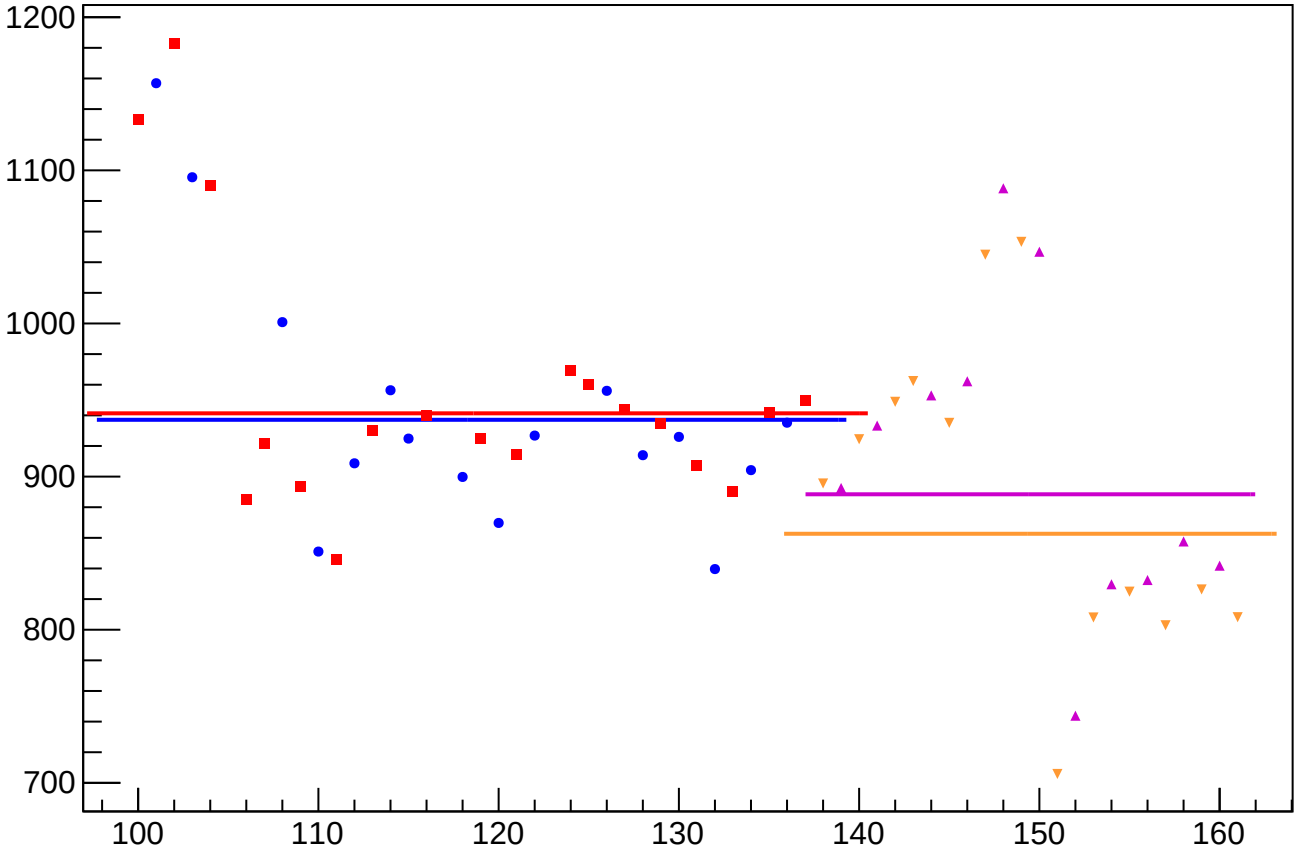
Left In: -70.719+/-0.289 χ^2/NDF:10030.1/10

\+ sign -32.835+/-0.214 χ^2/NDF: 33300.5/28

All: -39.026+/-0.154 χ^2/NDF: 82222.4/58

\- sign -45.688+/-0.222 χ^2/NDF: 47177.6/29

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 862.667+/-0.191 χ^2/NDF:263619.3/12

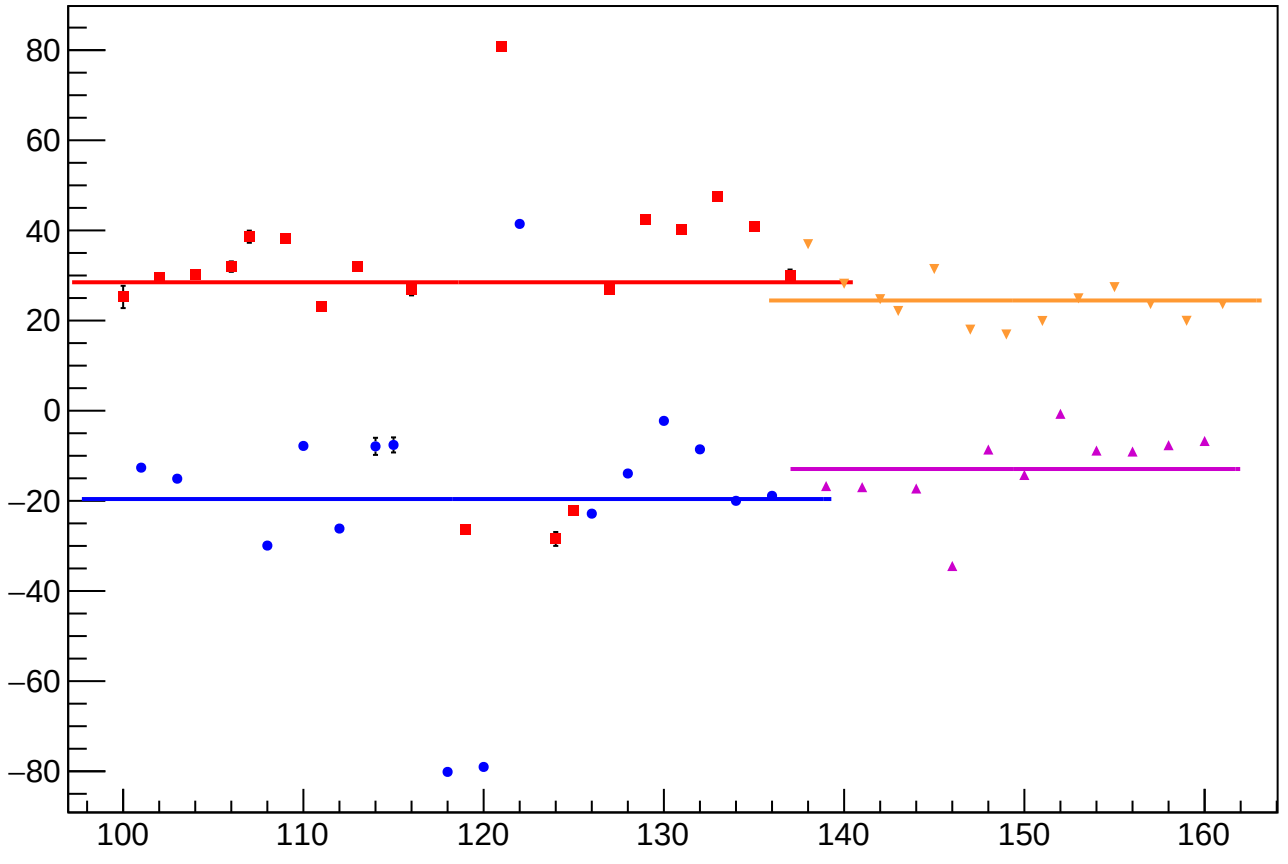
Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 888.451+/-0.205 χ^2/NDF:209211.4/10

+ sign 890.473+/-0.151 χ^2/NDF: 425114.1/28

All: 900.031+/-0.109 χ^2/NDF: 771293.0/58

- sign 910.315+/-0.157 χ^2/NDF: 337864.5/29



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.459+/-0.207 χ^2/NDF:711.7/12

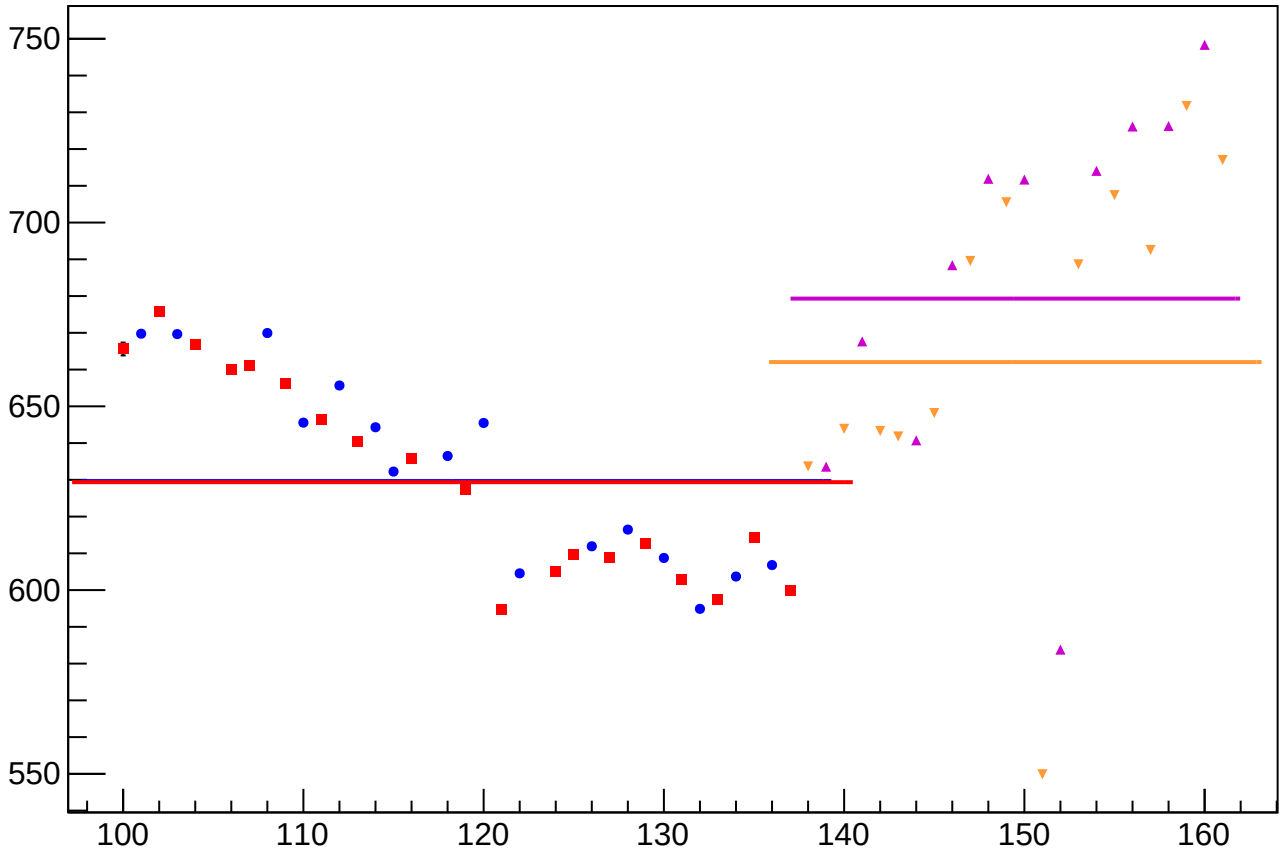
Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: -12.935+/-0.221 χ^2/NDF:1548.1/10

+ sign 5.172+/-0.155 χ^2/NDF: 33800.8/28

All: 6.042+/-0.111 χ^2/NDF: 65298.5/58

- sign 6.961+/-0.159 χ^2/NDF: 31432.8/29



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 662.037+/-0.146 χ^2/NDF:124376.2/12

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

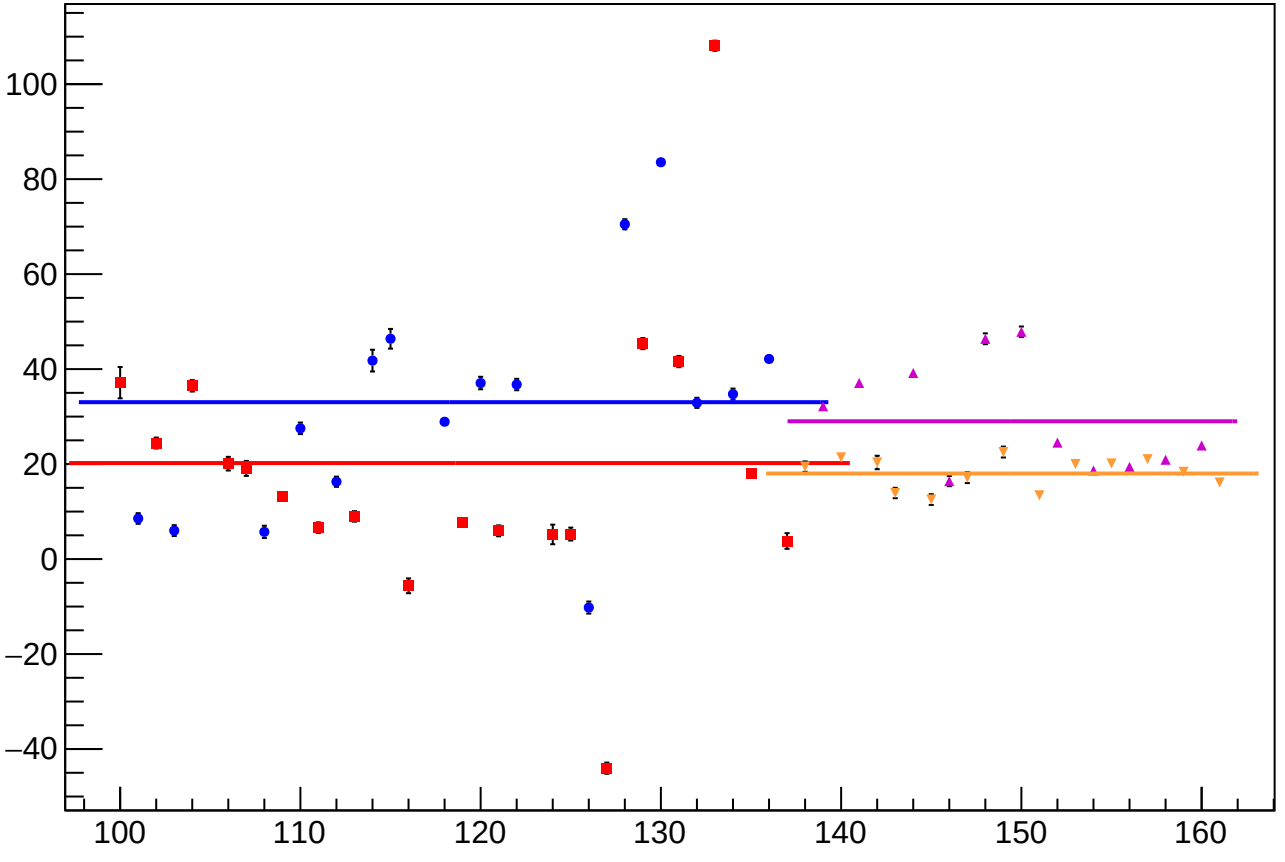
Left In: 679.310+/-0.156 χ^2/NDF:101238.6/10

\+ sign 647.863+/-0.110 χ^2/NDF: 171207.6/28

All: 651.491+/-0.078 χ^2/NDF: 350661.2/58

\- sign 655.323+/-0.113 χ^2/NDF: 177196.3/29

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 18.013+/-0.295 χ^2/NDF:116.4/12

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

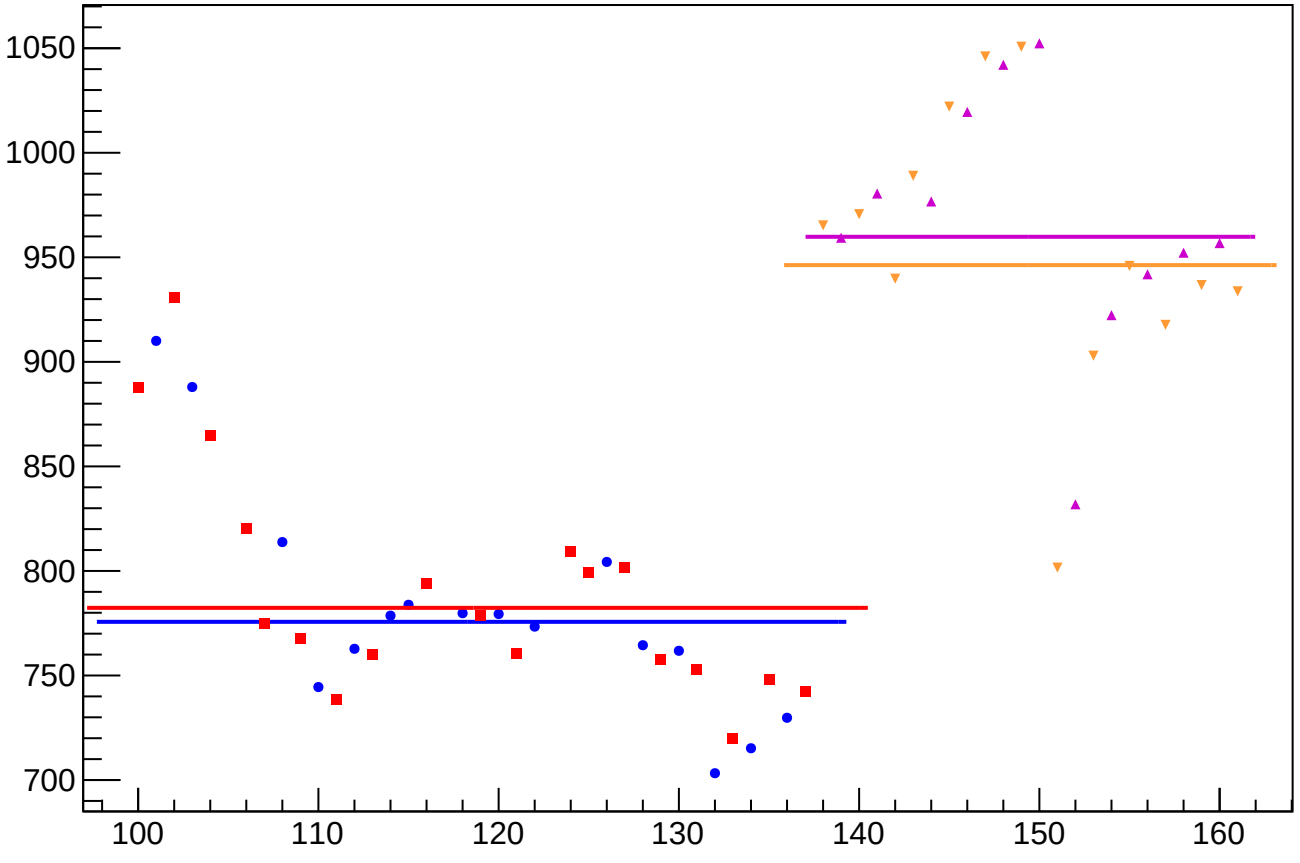
Left In: 29.012+/-0.311 χ^2/NDF:1131.9/10

\+ sign 25.674+/-0.206 χ^2/NDF: 8140.8/28

All: 24.972+/-0.147 χ^2/NDF: 21599.0/58

\- sign 24.239+/-0.211 χ^2/NDF: 13434.5/29

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 946.270+/-0.208 χ^2/NDF:106098.2/12

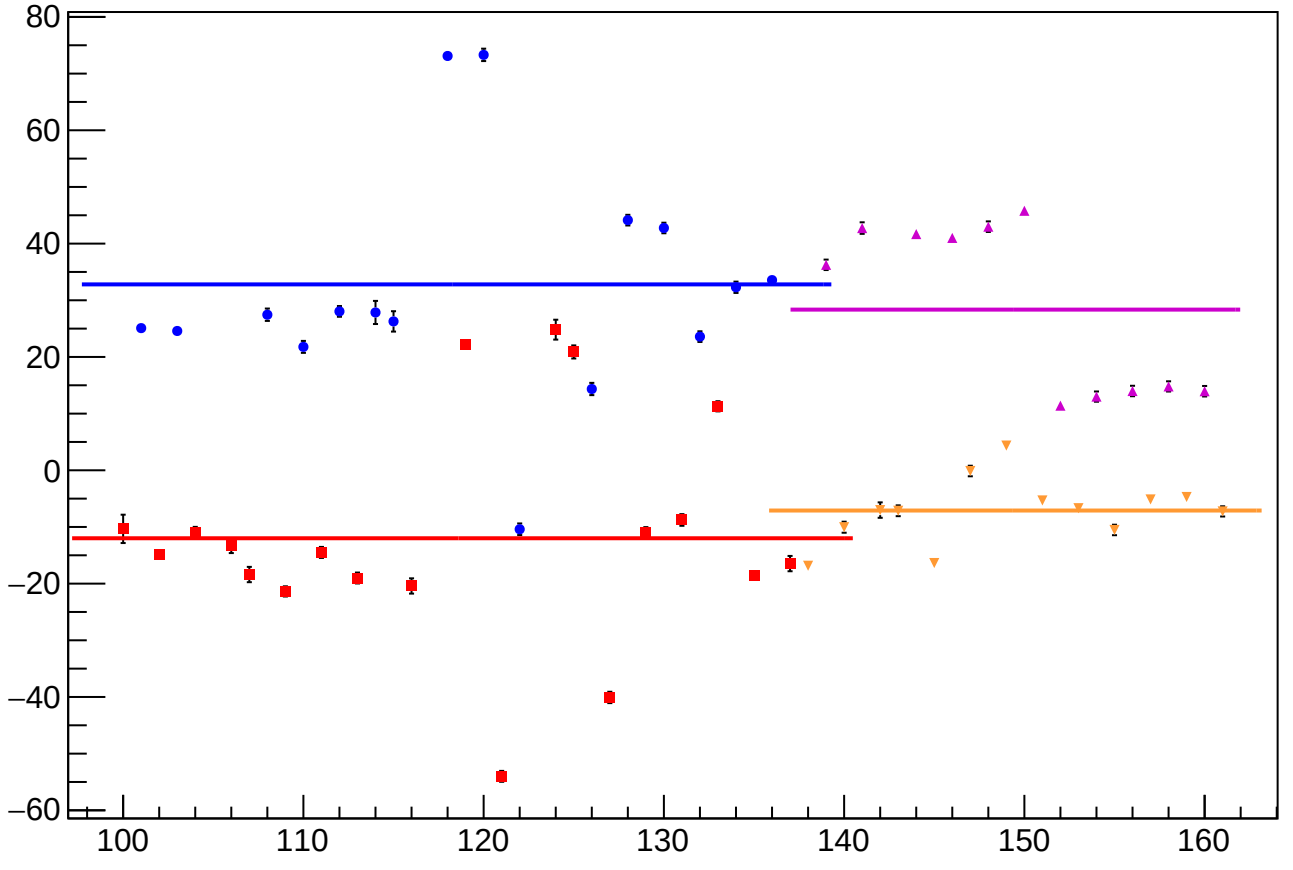
Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 959.821+/-0.220 χ^2/NDF:76155.9/10

+ sign 859.246+/-0.146 χ^2/NDF: 522439.0/28

All: 861.344+/-0.104 χ^2/NDF: 1015902.3/58

- sign 863.530+/-0.149 χ^2/NDF: 493041.2/29



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.100+/-0.249 χ^2/NDF:499.7/12

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

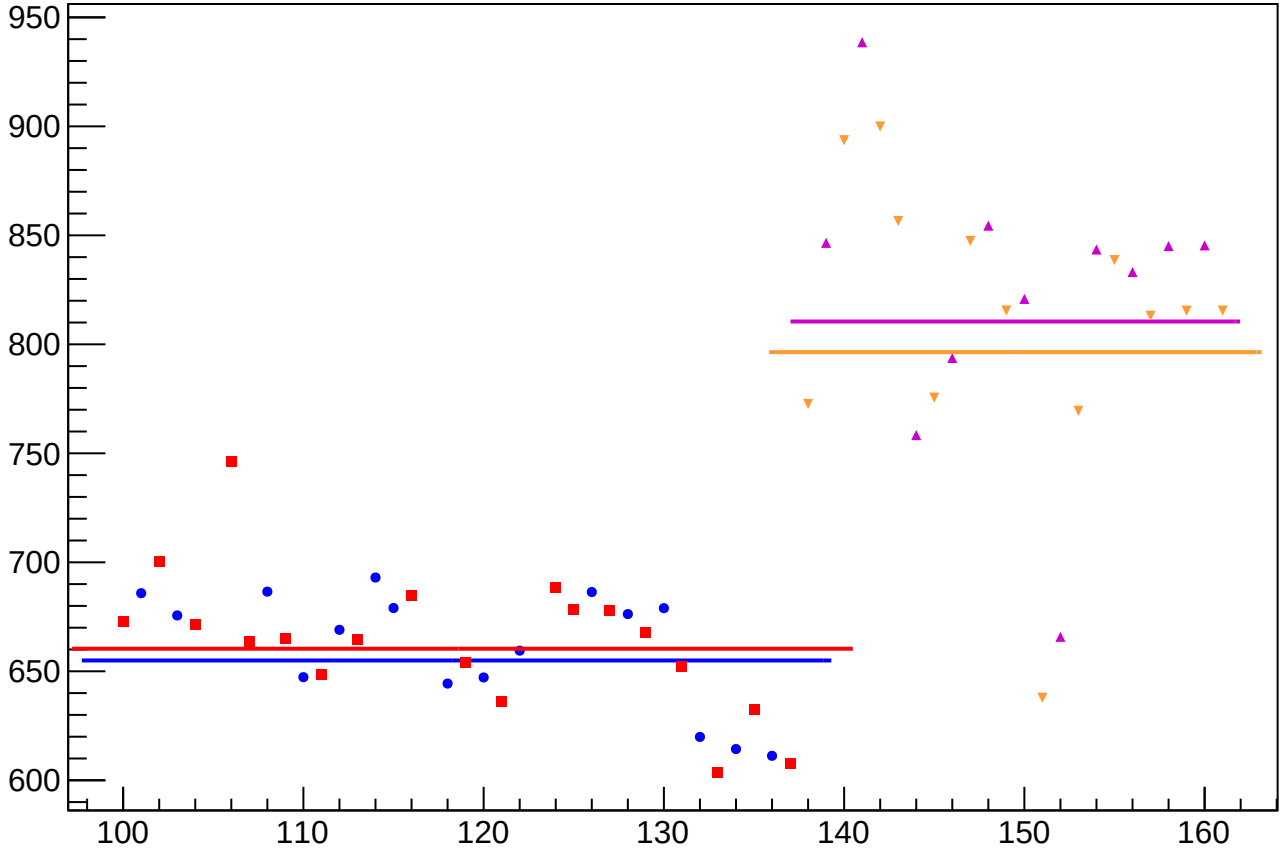
Left In: 28.354+/-0.264 χ^2/NDF:2975.0/10

+ sign 13.300+/-0.174 χ^2/NDF: 19883.2/28

All: 9.891+/-0.125 χ^2/NDF: 42911.9/58

- sign 6.320+/-0.178 χ^2/NDF: 22243.9/29

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 796.426+/-0.176 χ^2/NDF:161947.6/12

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

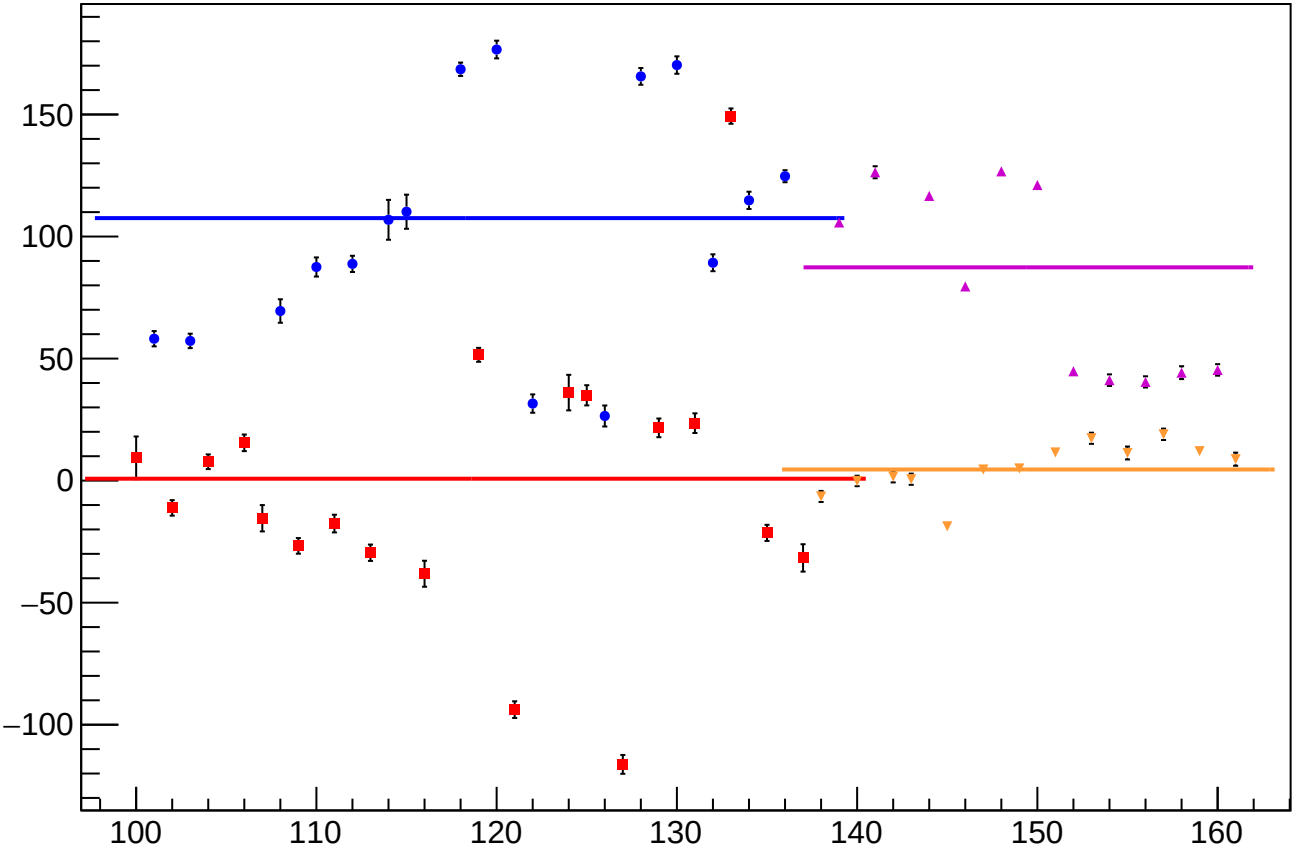
Left In: 810.473+/-0.187 χ^2/NDF:138447.9/10

+ sign 724.111+/-0.123 χ^2/NDF: 518550.6/28

All: 726.252+/-0.088 χ^2/NDF: 1039904.2/58

- sign 728.495+/-0.126 χ^2/NDF: 520734.3/29

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 4.564+/-0.589 χ^2/NDF:279.2/12

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

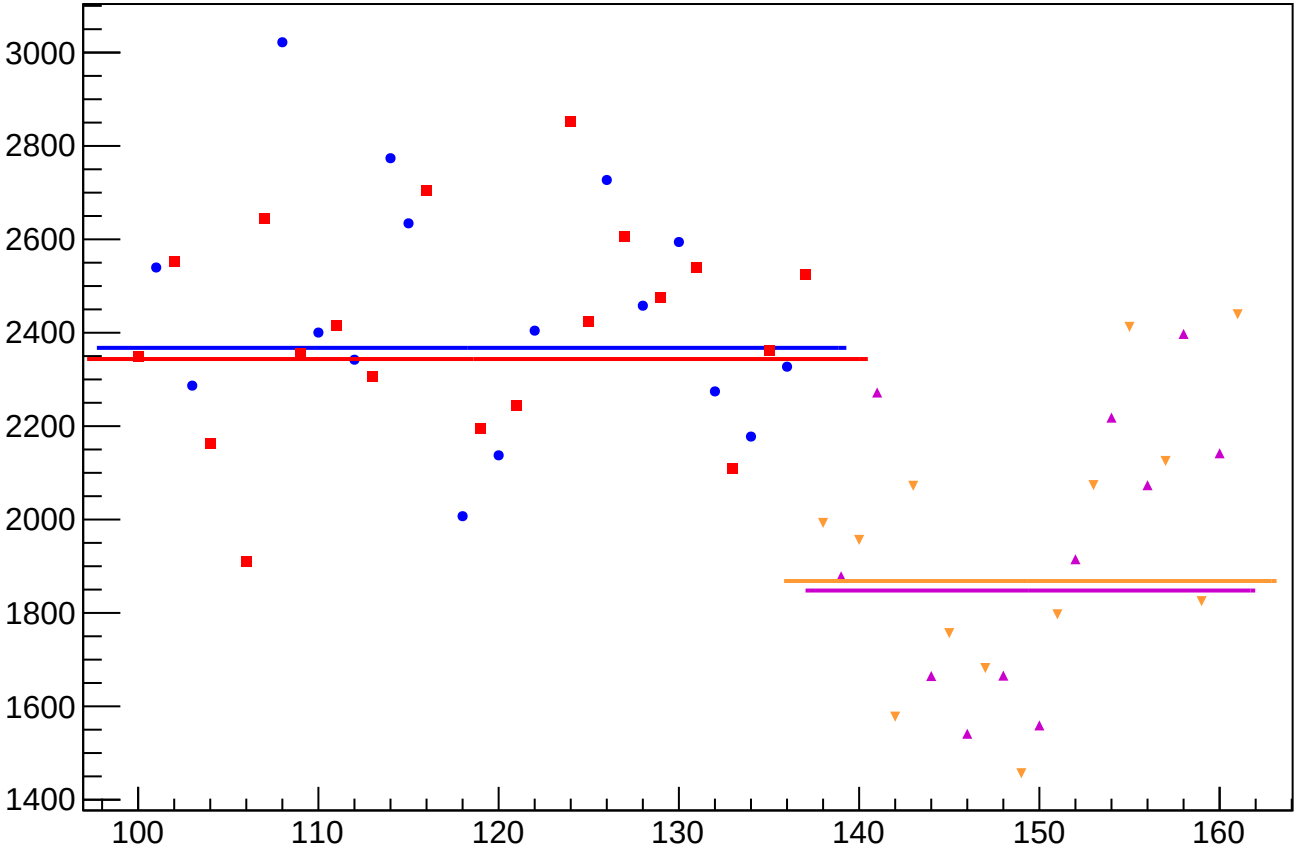
Left In: 87.385+/-0.611 χ^2/NDF:3301.8/10

+ sign 36.160+/-0.490 χ^2/NDF: 12614.6/28

All: 47.106+/-0.349 χ^2/NDF: 28424.8/58

- sign 58.397+/-0.498 χ^2/NDF: 14798.0/29

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1868.381+/-0.416 χ^2/NDF:432186.1/12

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

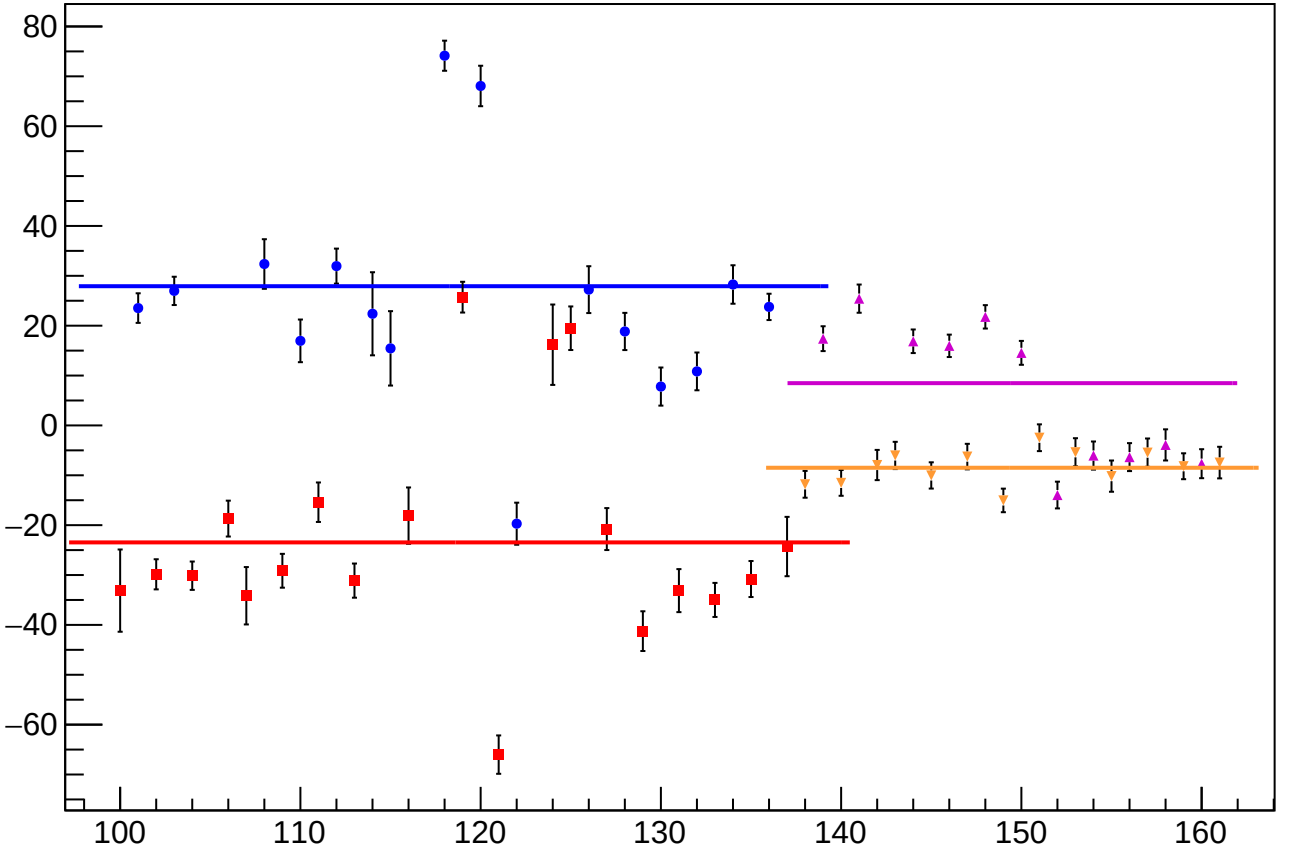
Left In: 1847.957+/-0.432 χ^2/NDF:421135.9/10

+ sign 2021.552+/-0.347 χ^2/NDF: 999818.7/28

All: 2017.788+/-0.247 χ^2/NDF: 1974747.1/58

- sign 2013.906+/-0.352 χ^2/NDF: 974689.0/29

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.489+/-0.757 χ^2/NDF:20.3/12

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

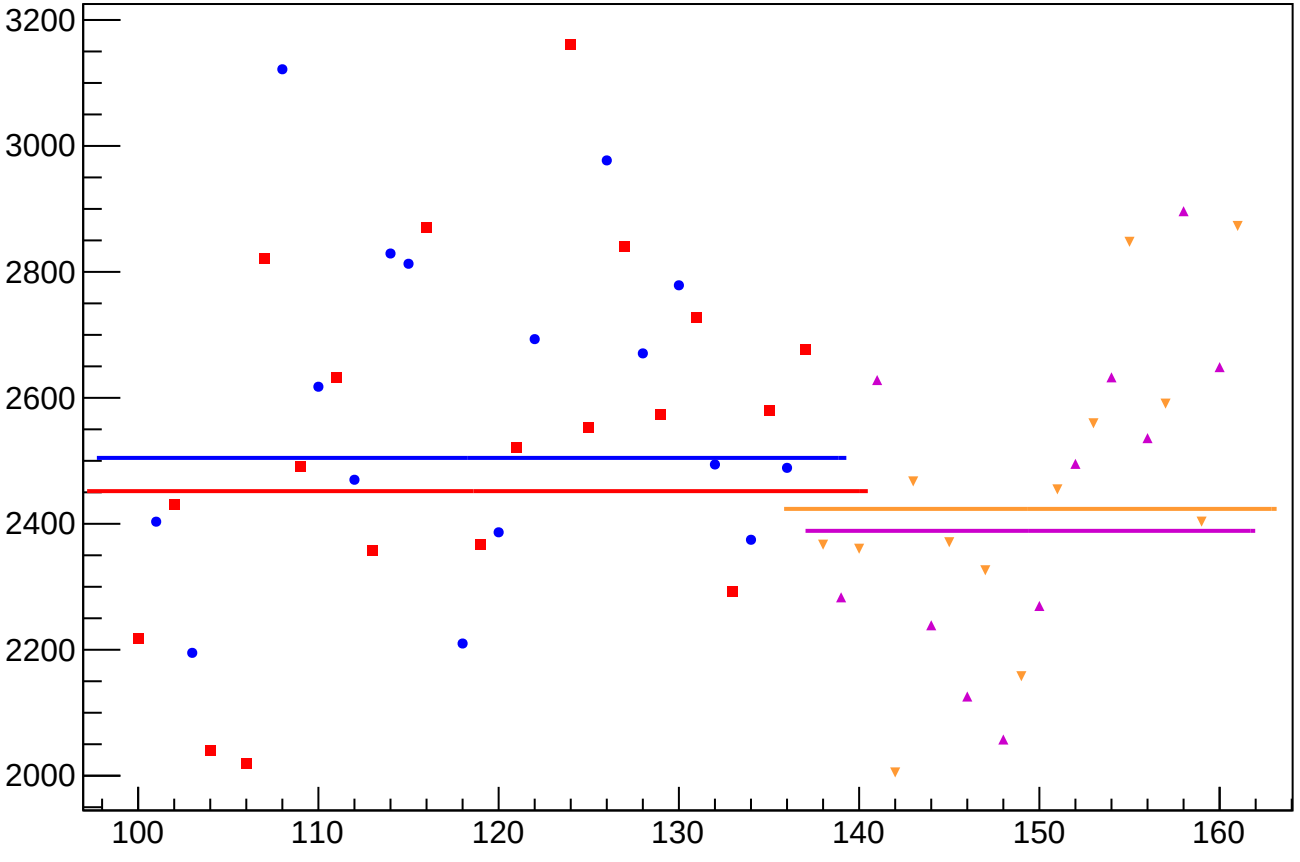
Left In: 8.476+/-0.783 χ^2/NDF:282.0/10

+ sign 5.892+/-0.589 χ^2/NDF: 1464.7/28

All: 0.355+/-0.417 χ^2/NDF: 3206.7/58

- sign -5.232+/-0.591 χ^2/NDF: 1564.2/29

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2423.684+/-0.535 χ^2/NDF:158554.3/12

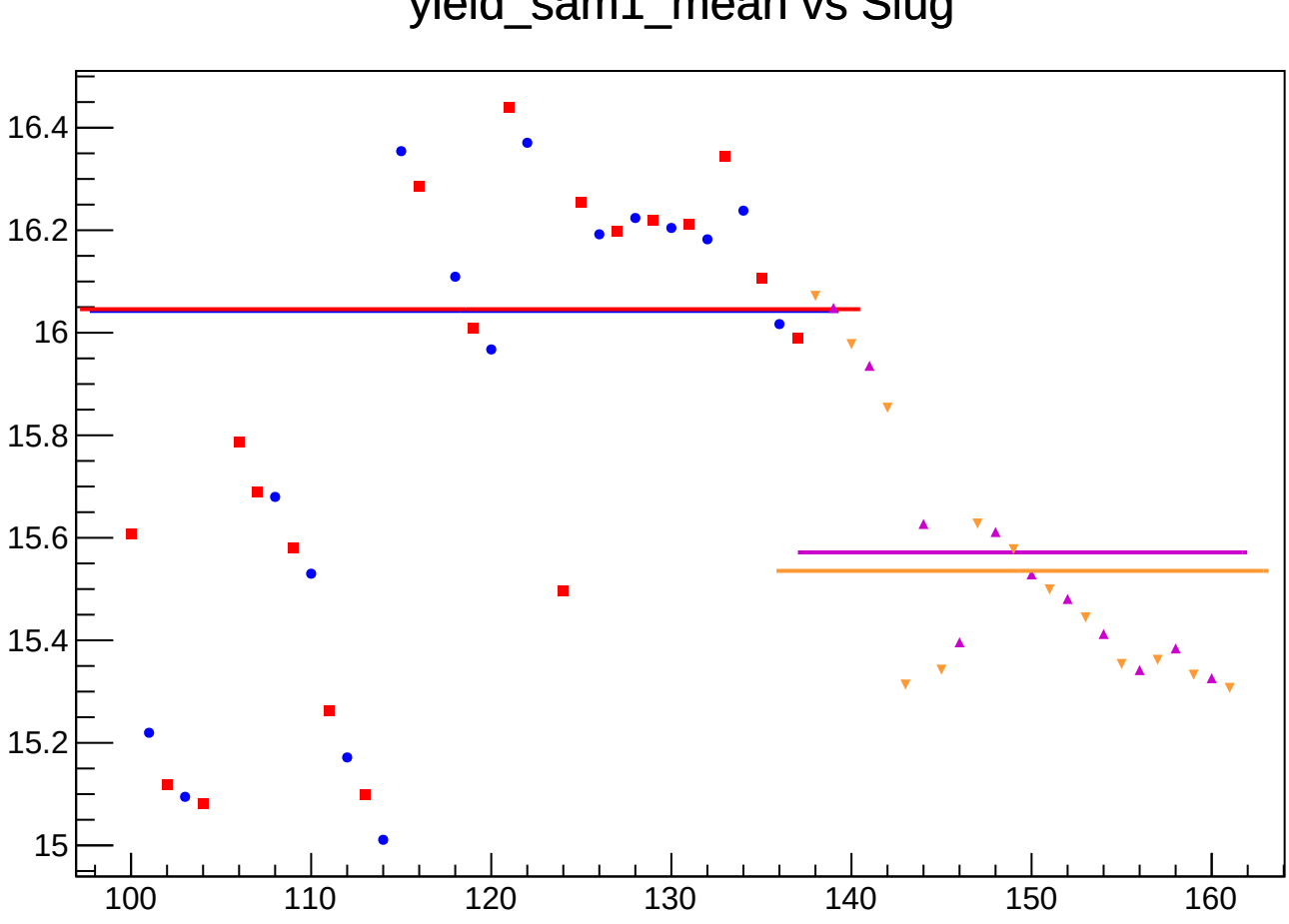
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2388.832+/-0.554 χ^2/NDF:190645.0/10

+ sign 2455.669+/-0.416 χ^2/NDF: 294193.2/28

All: 2435.871+/-0.295 χ^2/NDF: 648187.4/58

- sign 2415.897+/-0.418 χ^2/NDF: 349451.2/29



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.536+/-0.000 χ^2/NDF:6065668766.7/12

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

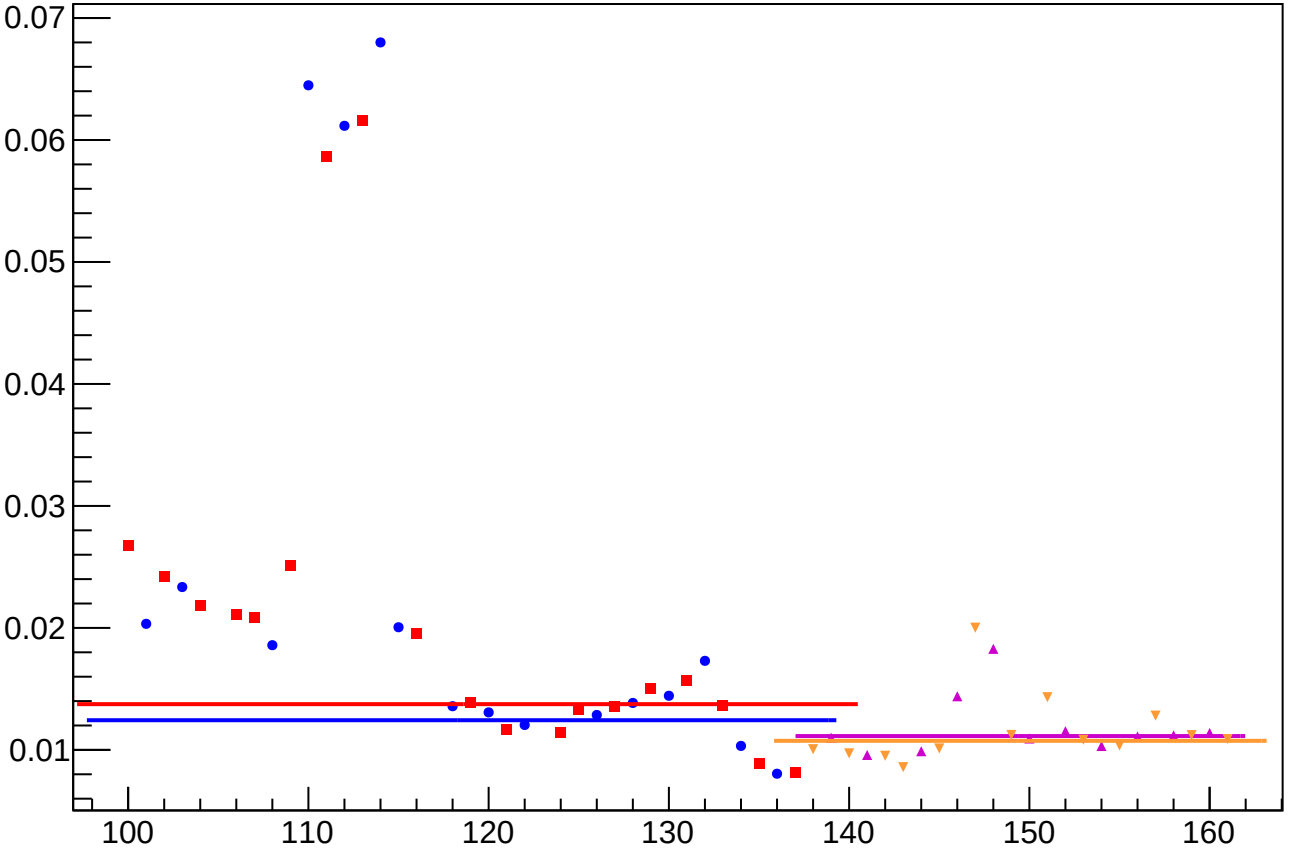
Left In: 15.572+/-0.000 χ^2/NDF:4073320426.1/10

+ sign 15.689+/-0.000 χ^2/NDF: 15300094753.6/28

All: 15.699+/-0.000 χ^2/NDF: 27719169183.1

- sign 15.712+/-0.000 χ^2/NDF: 12388241627.2/29

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:630447.1/12

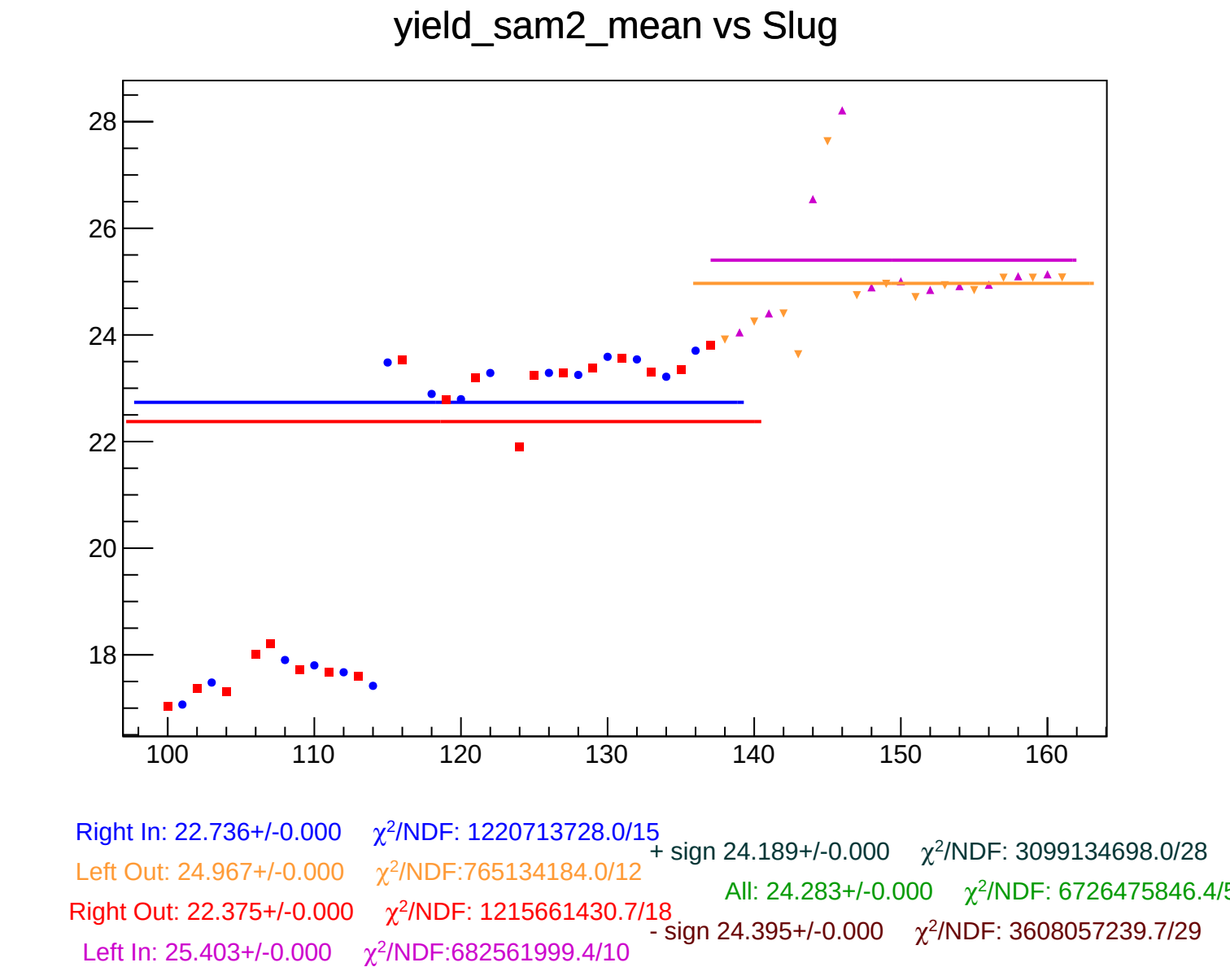
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:409059.4/10

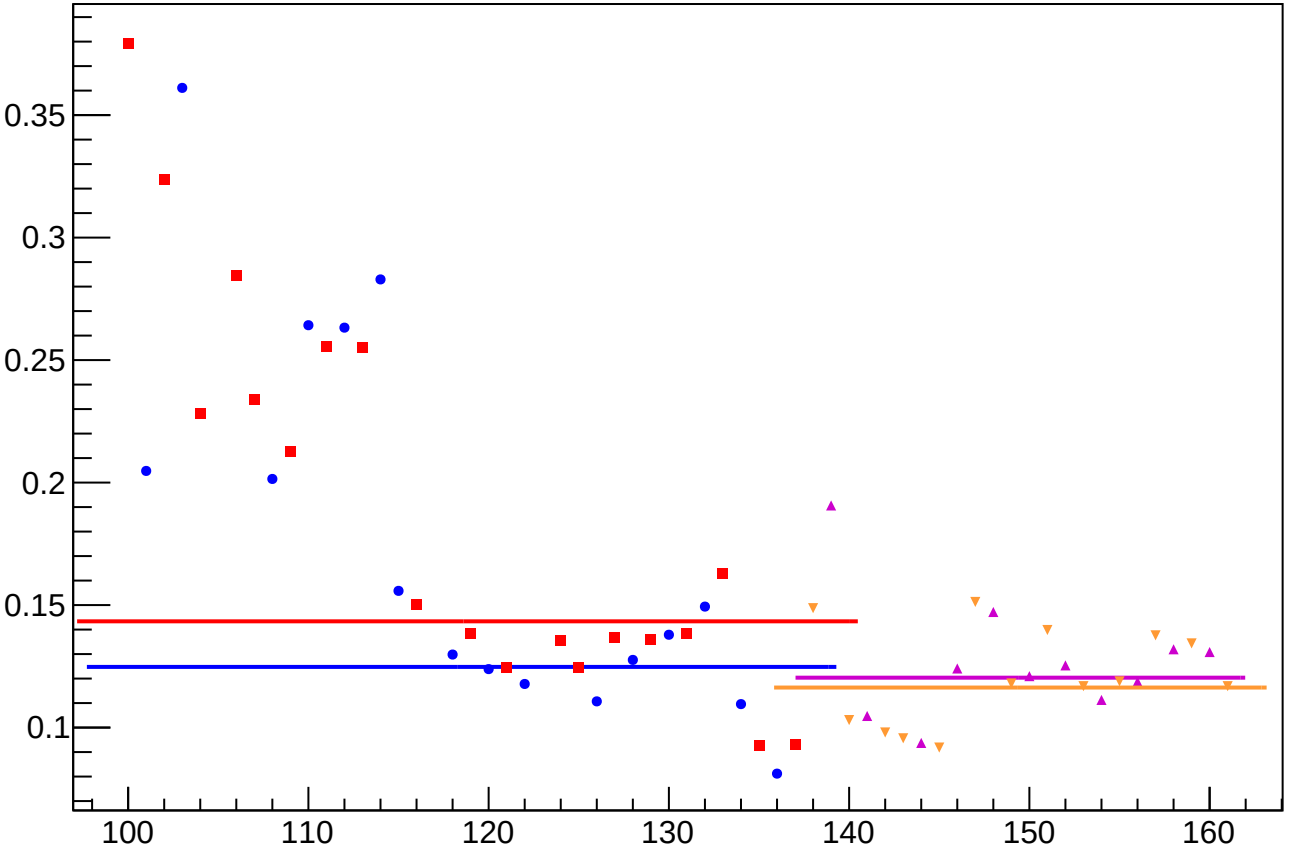
+ sign 0.011+/-0.000 χ^2/NDF: 3089445.1/28

All: 0.012+/-0.000 χ^2/NDF: 6066048.4/58

- sign 0.012+/-0.000 χ^2/NDF: 2929310.1/29


yield_sam2_mean vs Slug
28
26
24
22
20
18
100
110
120
130
140
150
160
Right In: 22.736+/-0.000 χ²/NDF: 1220713728.0/15
Left Out: 24.967+/-0.000 χ²/NDF:765134184.0/12
Right Out: 22.375+/-0.000 χ²/NDF: 1215661430.7/18
Left In: 25.403+/-0.000 χ²/NDF:682561999.4/10
+ sign 24.189+/-0.000 χ²/NDF: 3099134698.0/28
All: 24.283+/-0.000 χ²/NDF: 6726475846.4/5
- sign 24.395+/-0.000 χ²/NDF: 3608057239.7/29

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.116+/-0.000 χ^2/NDF:453483.5/12

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.120+/-0.000 χ^2/NDF:466852.4/10

+ sign 0.119+/-0.000 χ^2/NDF: 2235055.6/28

All: 0.123+/-0.000 χ^2/NDF: 4538663.3/58

- sign 0.128+/-0.000 χ^2/NDF: 2234276.7/29

yield_sam3_mean vs Slug

Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 29.879+/-0.000 χ^2/NDF:5964921571.2/12

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

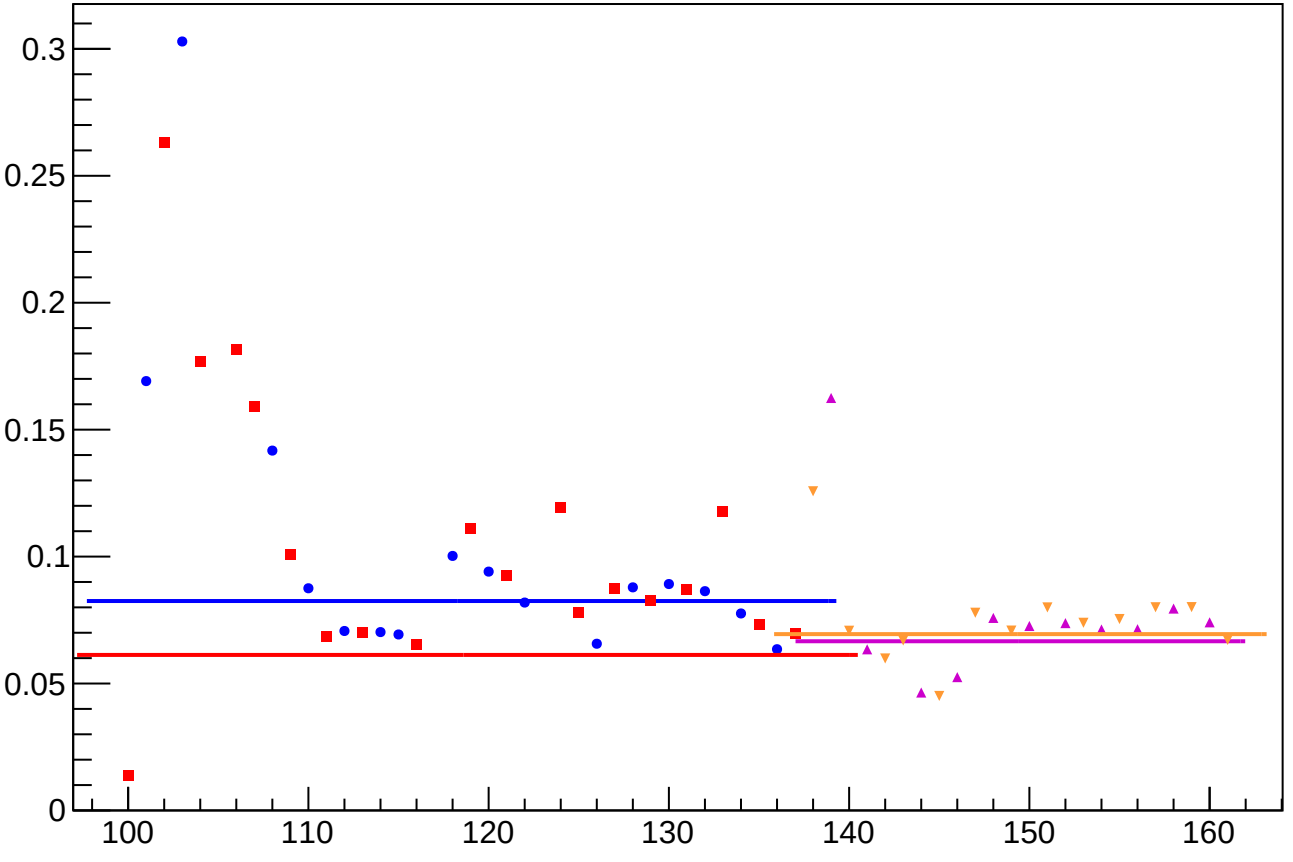
Left In: 30.629+/-0.000 χ^2/NDF:8316785811.4/10

+ sign 30.109+/-0.000 χ^2/NDF: 6877063962.9/28

All: 28.144+/-0.000 χ^2/NDF: 323703252870.

- sign 26.401+/-0.000 χ^2/NDF: 299516444718.0/29

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:713500.6/12

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

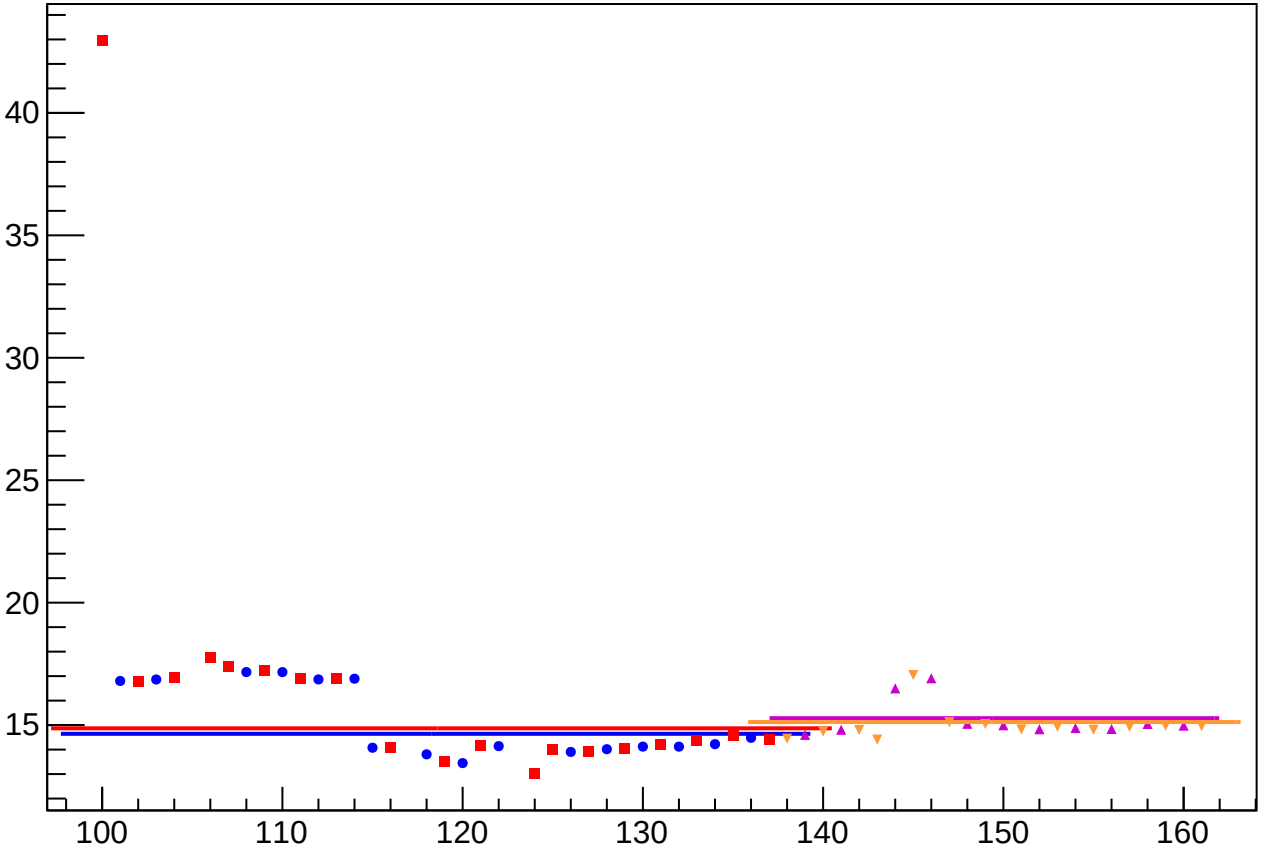
Left In: 0.067+/-0.000 χ^2/NDF:1011697.1/10

+ sign 0.074+/-0.000 χ^2/NDF: 2152479.7/28

All: 0.069+/-0.000 χ^2/NDF: 7431117.8/58

- sign 0.064+/-0.000 χ^2/NDF: 5063461.9/29

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.124+/-0.000 χ^2/NDF:1001958672.7/12

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

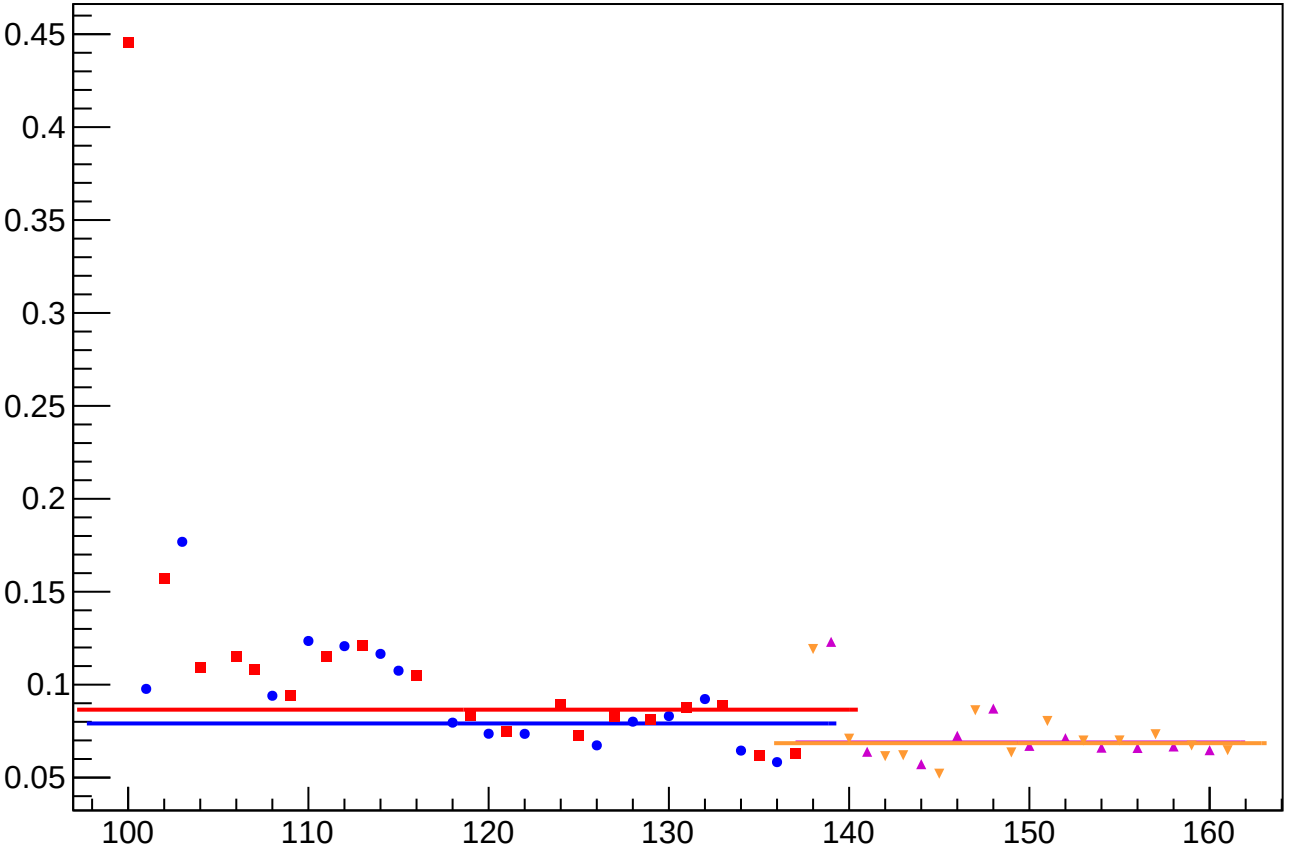
Left In: 15.283+/-0.000 χ^2/NDF:890266649.6/10

+ sign 14.961+/-0.000 χ^2/NDF: 2338389977.4/28

All: 15.049+/-0.000 χ^2/NDF: 5098910770.1/5

- sign 15.147+/-0.000 χ^2/NDF: 2715096518.5/29

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:521611.7/12

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

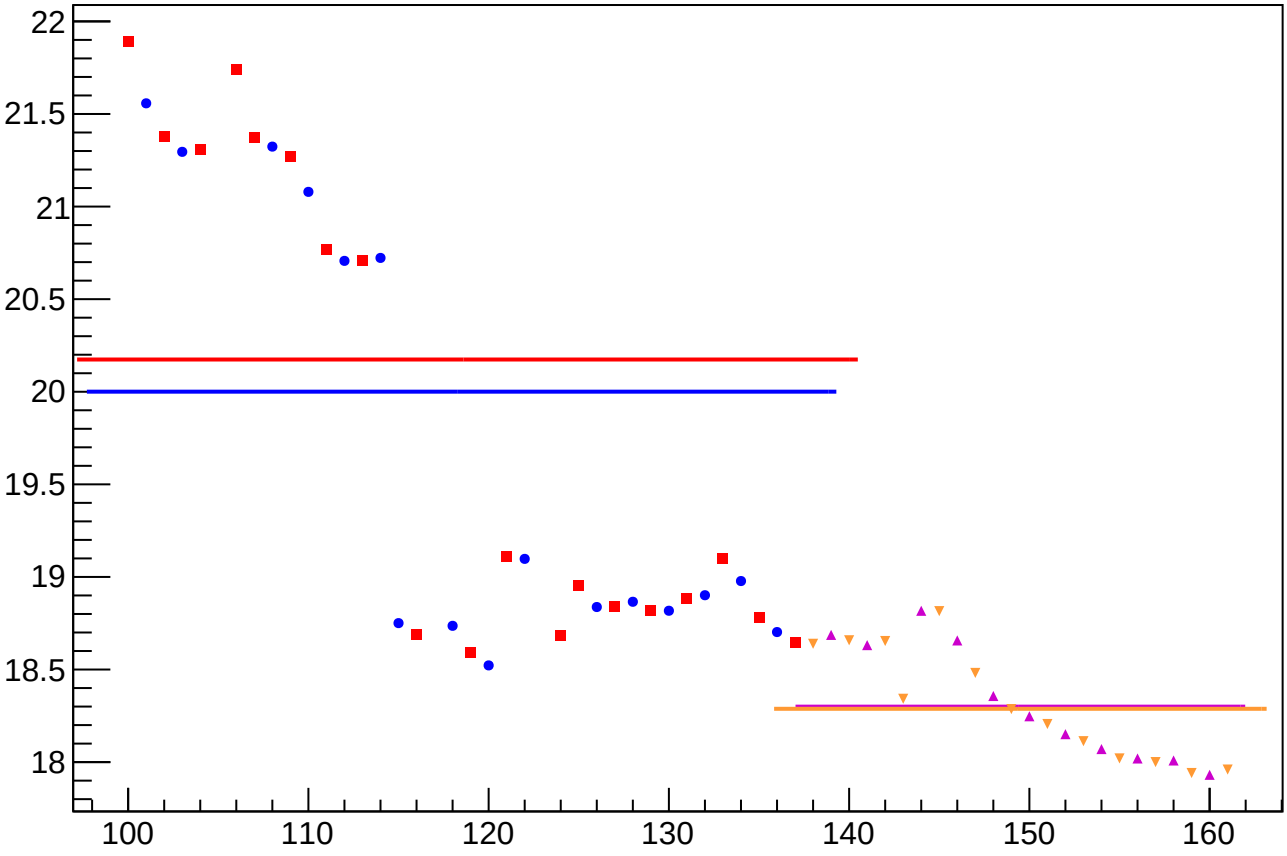
Left In: 0.069+/-0.000 χ^2/NDF:468512.1/10

+ sign 0.072+/-0.000 χ^2/NDF: 1579084.1/28

All: 0.073+/-0.000 χ^2/NDF: 3201825.2/58

- sign 0.075+/-0.000 χ^2/NDF: 1605789.6/29

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.288+/-0.000 χ^2/NDF:834128785.7/12

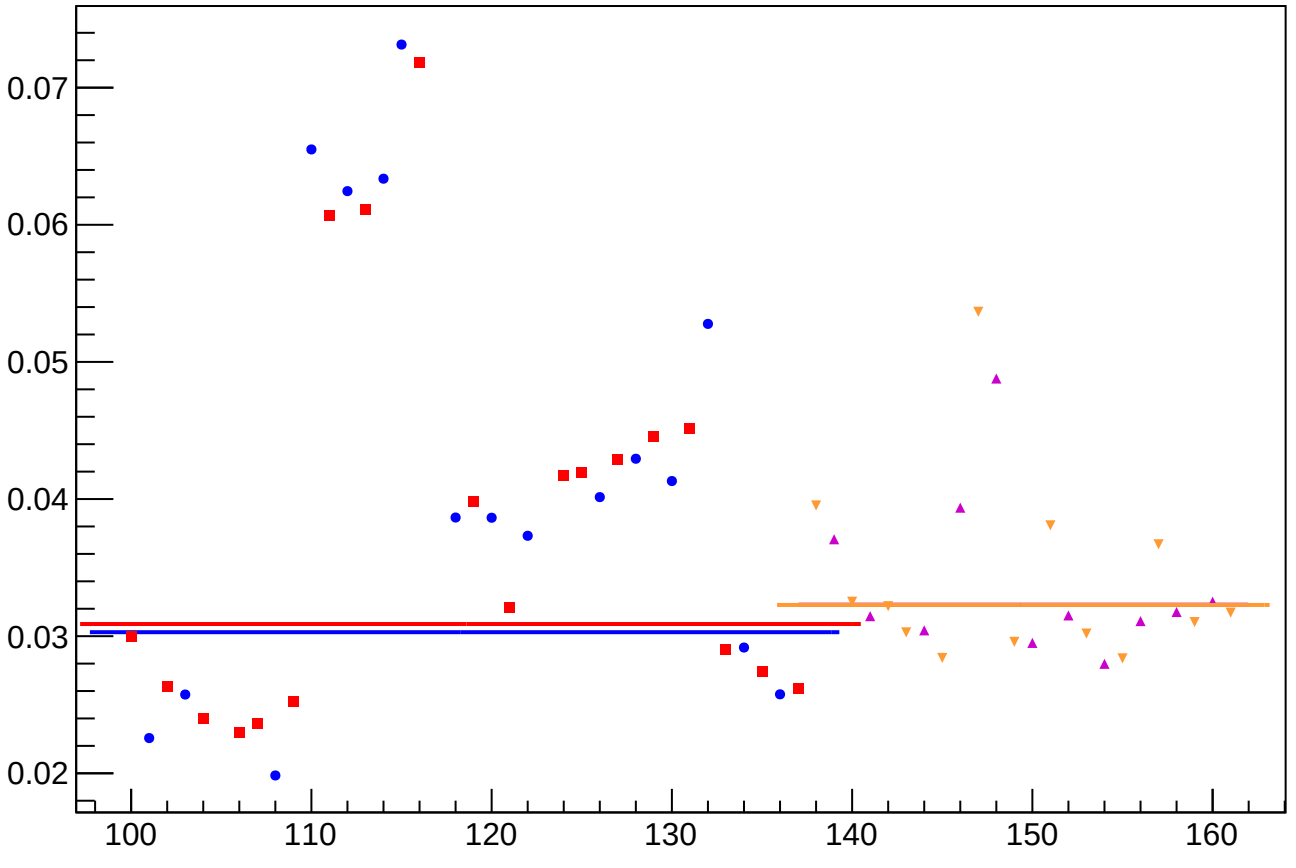
Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.300+/-0.000 χ^2/NDF:817422023.1/10

+ sign 18.992+/-0.000 χ^2/NDF: 22934641535.0/28

All: 19.048+/-0.000 χ^2/NDF: 47330150461.1

- sign 19.106+/-0.000 χ^2/NDF: 24295118594.1/29



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:452804.1/12

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

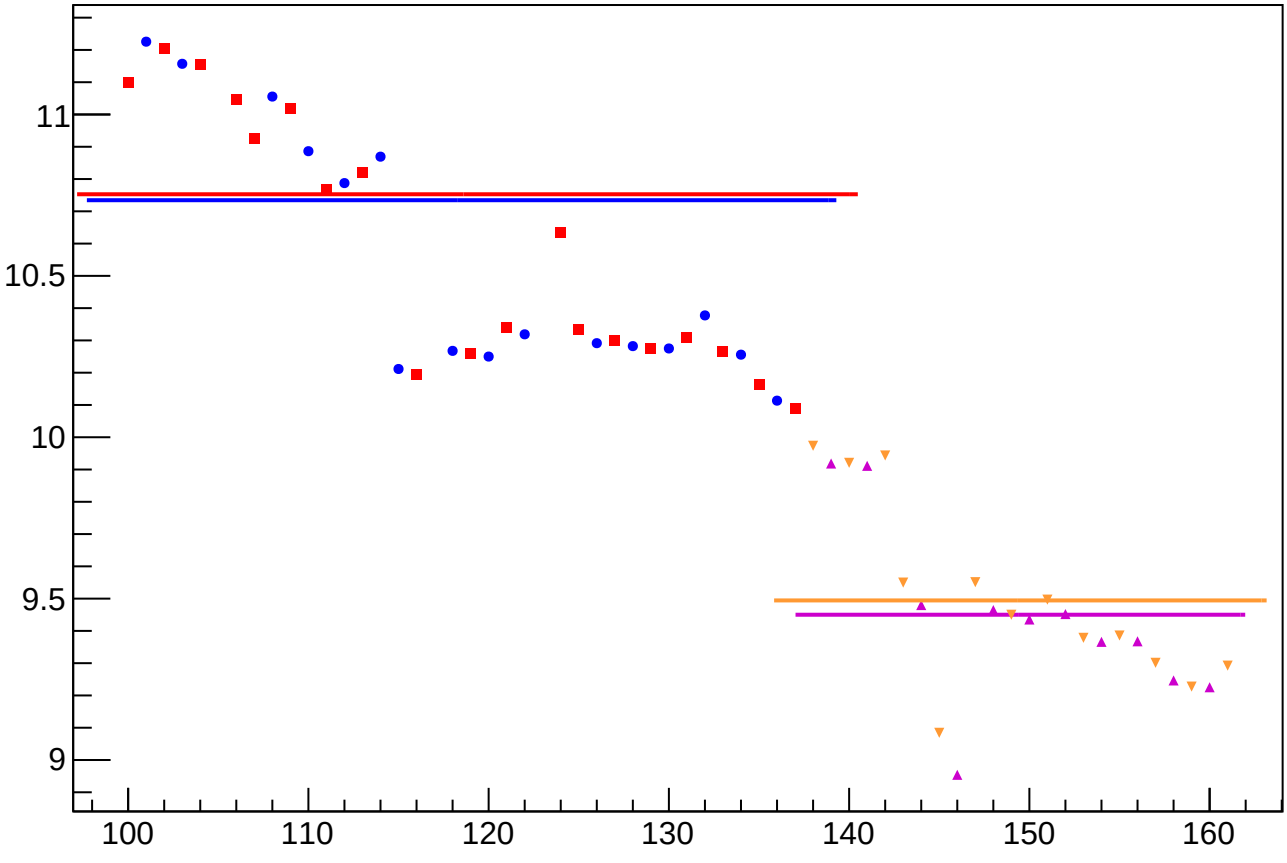
Left In: 0.032+/-0.000 χ^2/NDF:328611.1/10

+ sign 0.031+/-0.000 χ^2/NDF: 1930379.5/28

All: 0.032+/-0.000 χ^2/NDF: 3479320.3/58

- sign 0.032+/-0.000 χ^2/NDF: 1548119.5/29

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.494+/-0.000 χ^2/NDF:1660858784.6/12

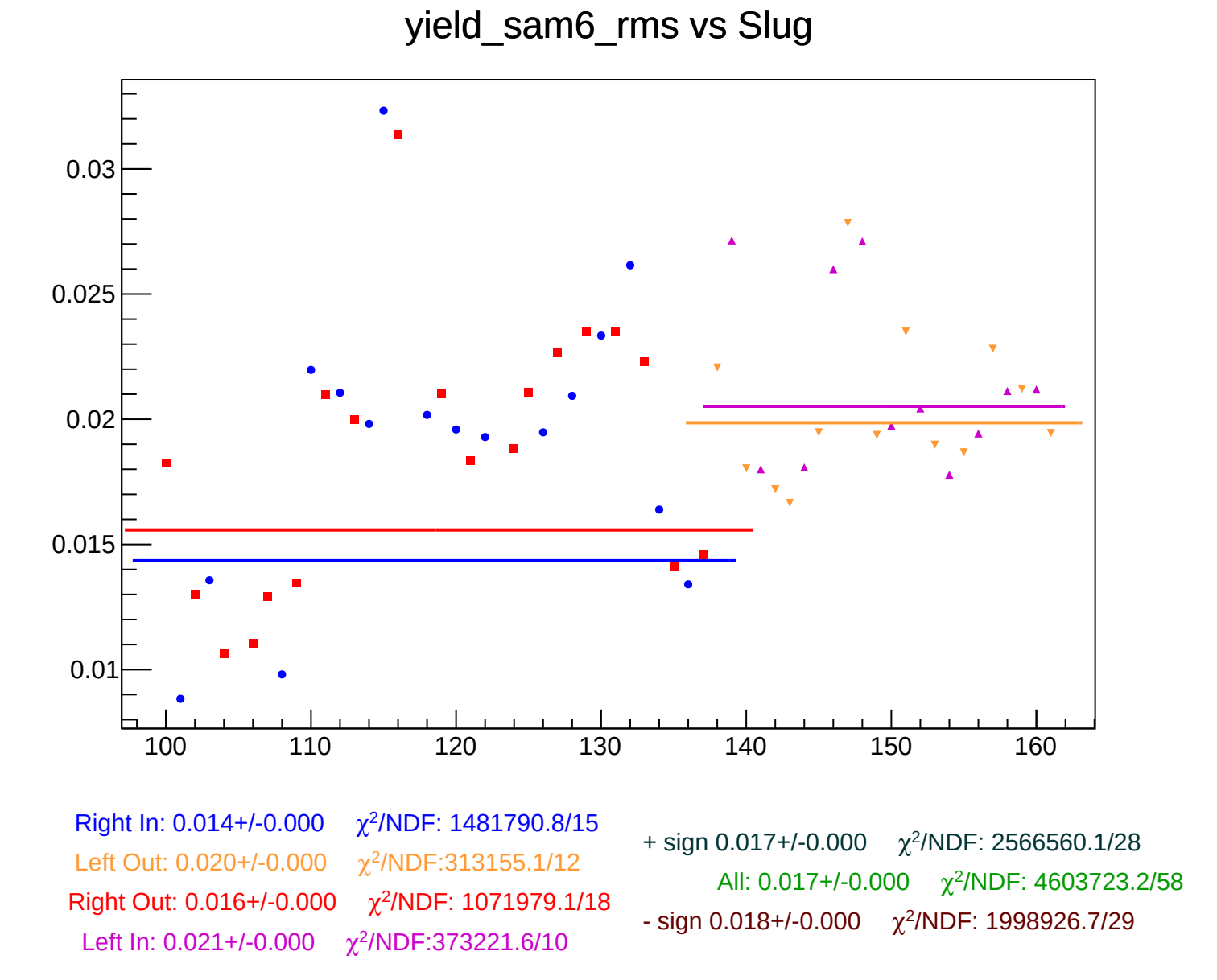
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.450+/-0.000 χ^2/NDF:1262355012.3/10

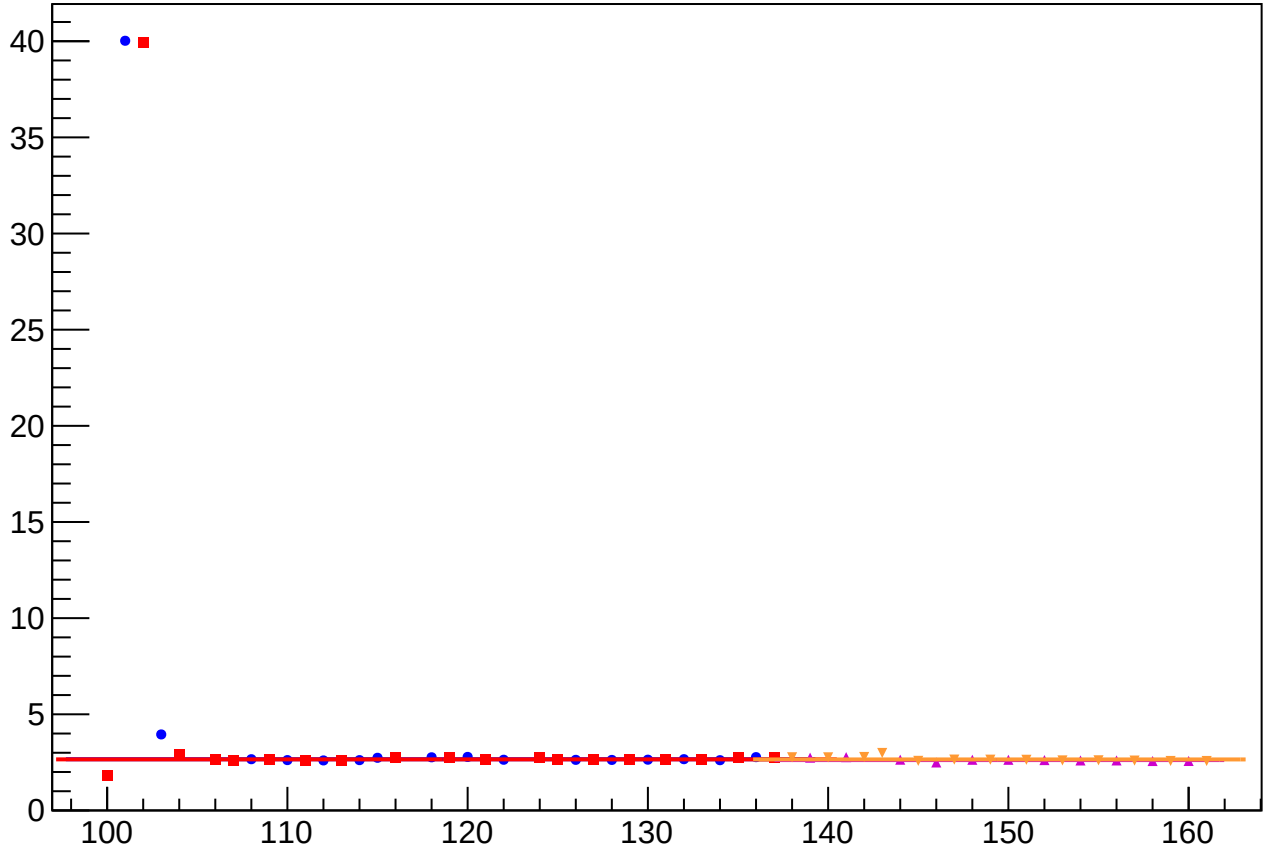
+ sign 10.164+/-0.000 χ^2/NDF: 27083146084.9/28

All: 10.168+/-0.000 χ^2/NDF: 51950024693.3

- sign 10.173+/-0.000 χ^2/NDF: 24864619308.5/29


yield_sam6_rms vs Slug
0.03
0.025
0.02
0.015
0.01
100
110
120
130
140
150
160
Right In: 0.014+/-0.000 χ²/NDF: 1481790.8/15
Left Out: 0.020+/-0.000 χ²/NDF:313155.1/12
Right Out: 0.016+/-0.000 χ²/NDF: 1071979.1/18
Left In: 0.021+/-0.000 χ²/NDF:373221.6/10
+ sign 0.017+/-0.000 χ²/NDF: 2566560.1/28
All: 0.017+/-0.000 χ²/NDF: 4603723.2/58
- sign 0.018+/-0.000 χ²/NDF: 1998926.7/29

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.653+/-0.000 χ^2/NDF:18763322260.1/12

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

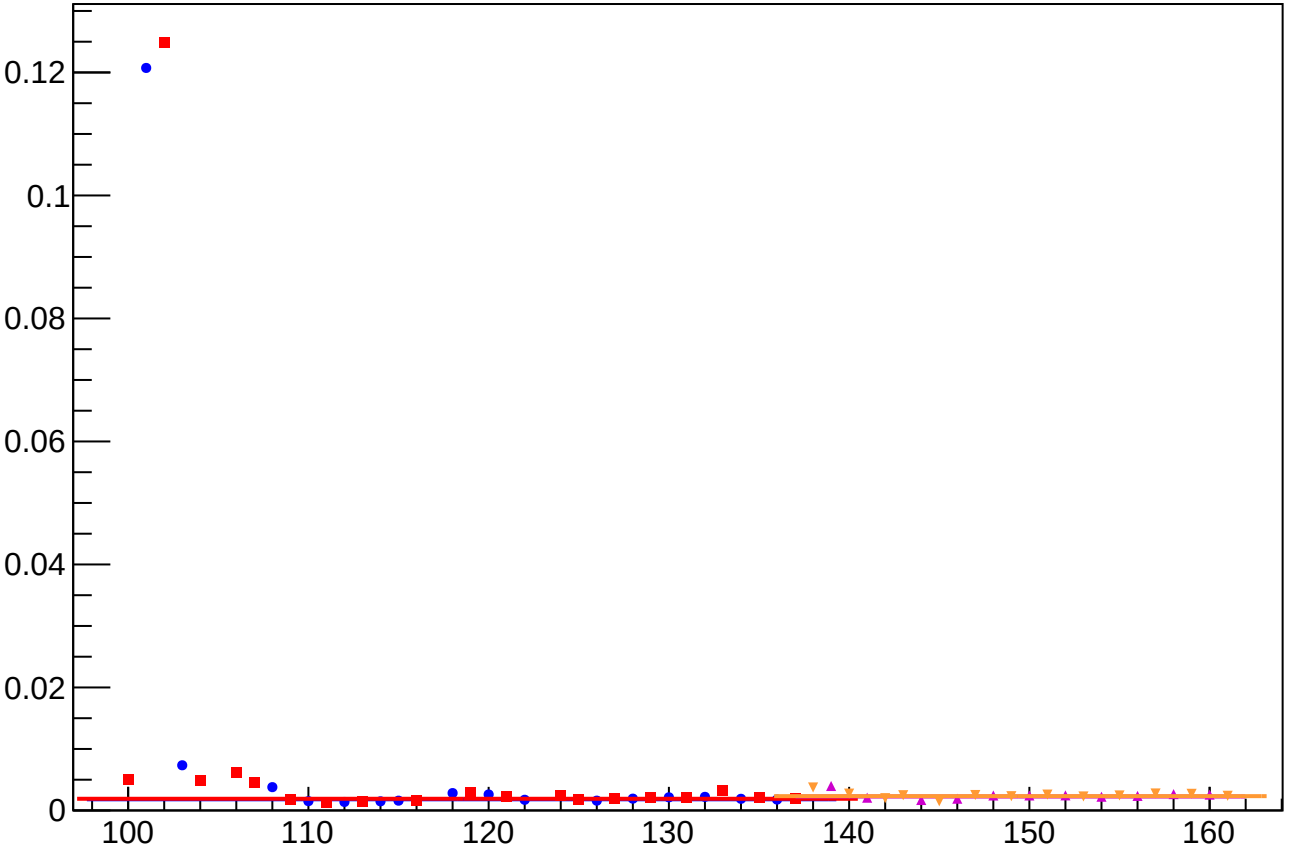
Left In: 2.620+/-0.000 χ^2/NDF:8161823131.2/10

+ sign 2.658+/-0.000 χ^2/NDF: 86694472833.0/28

All: 2.648+/-0.000 χ^2/NDF: 161508857076.7

- sign 2.638+/-0.000 χ^2/NDF: 74194671644.6/29

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:734443.6/12

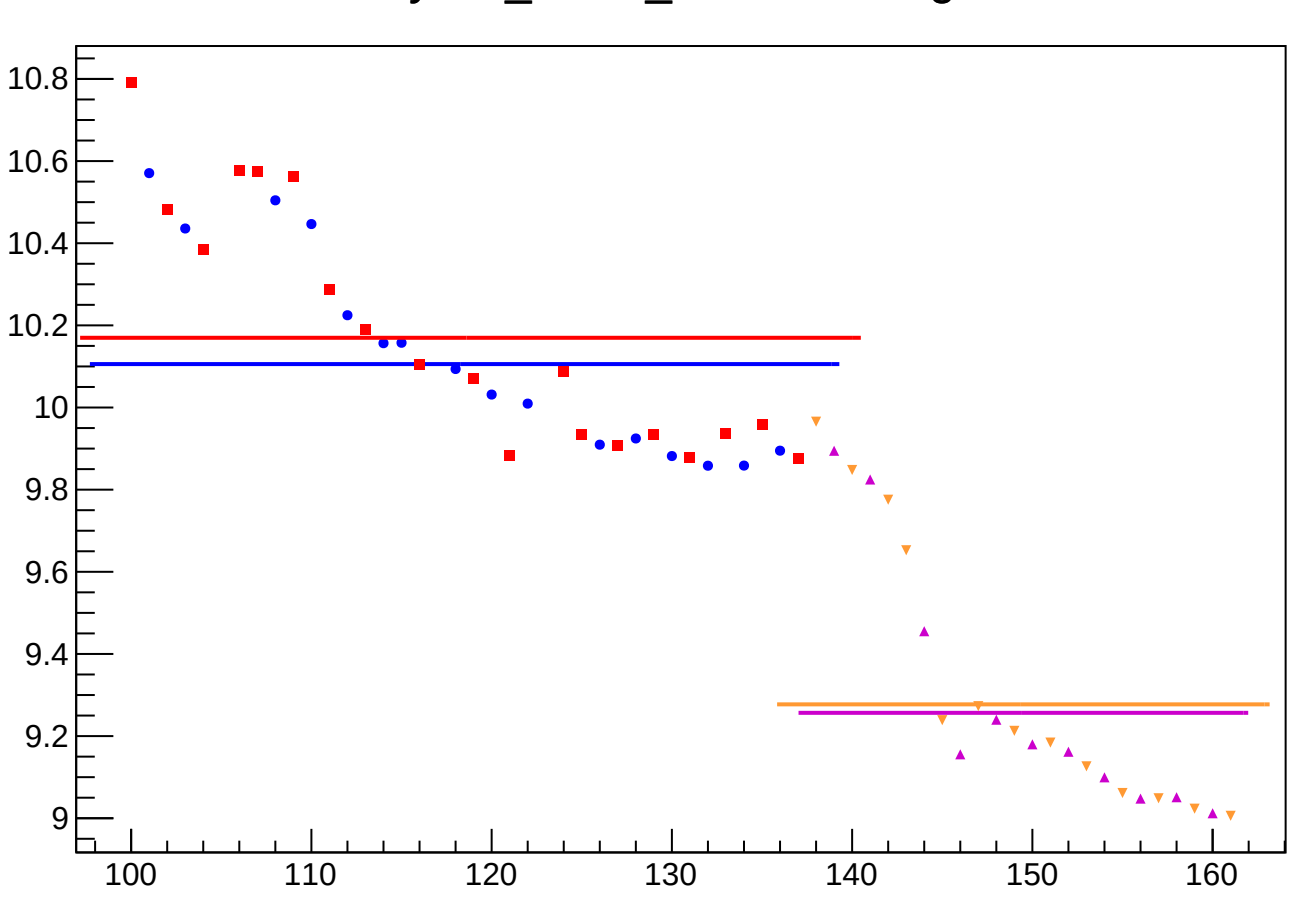
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:589045.1/10

+ sign 0.002+/-0.000 χ^2/NDF: 2946050.2/28

All: 0.002+/-0.000 χ^2/NDF: 6256707.1/58

- sign 0.002+/-0.000 χ^2/NDF: 3310265.1/29



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.277+/-0.000 χ^2/NDF:15733145593.7/12

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

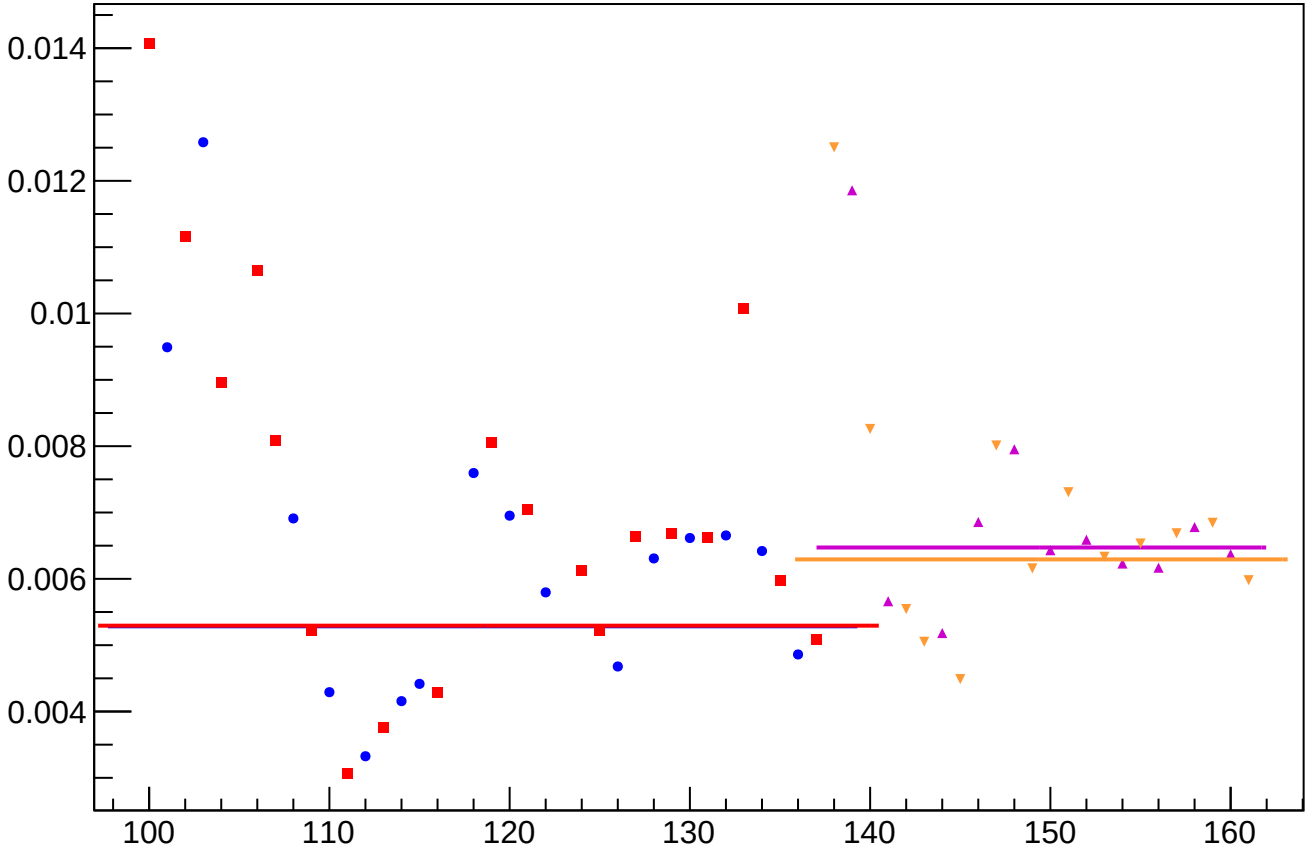
Left In: 9.257+/-0.000 χ^2/NDF:12954087623.4/10

+ sign 9.679+/-0.000 χ^2/NDF: 93181013518.0/28

All: 9.703+/-0.000 χ^2/NDF: 195090761529.1

- sign 9.728+/-0.000 χ^2/NDF: 101442855582.3/29

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:803289.7/12

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

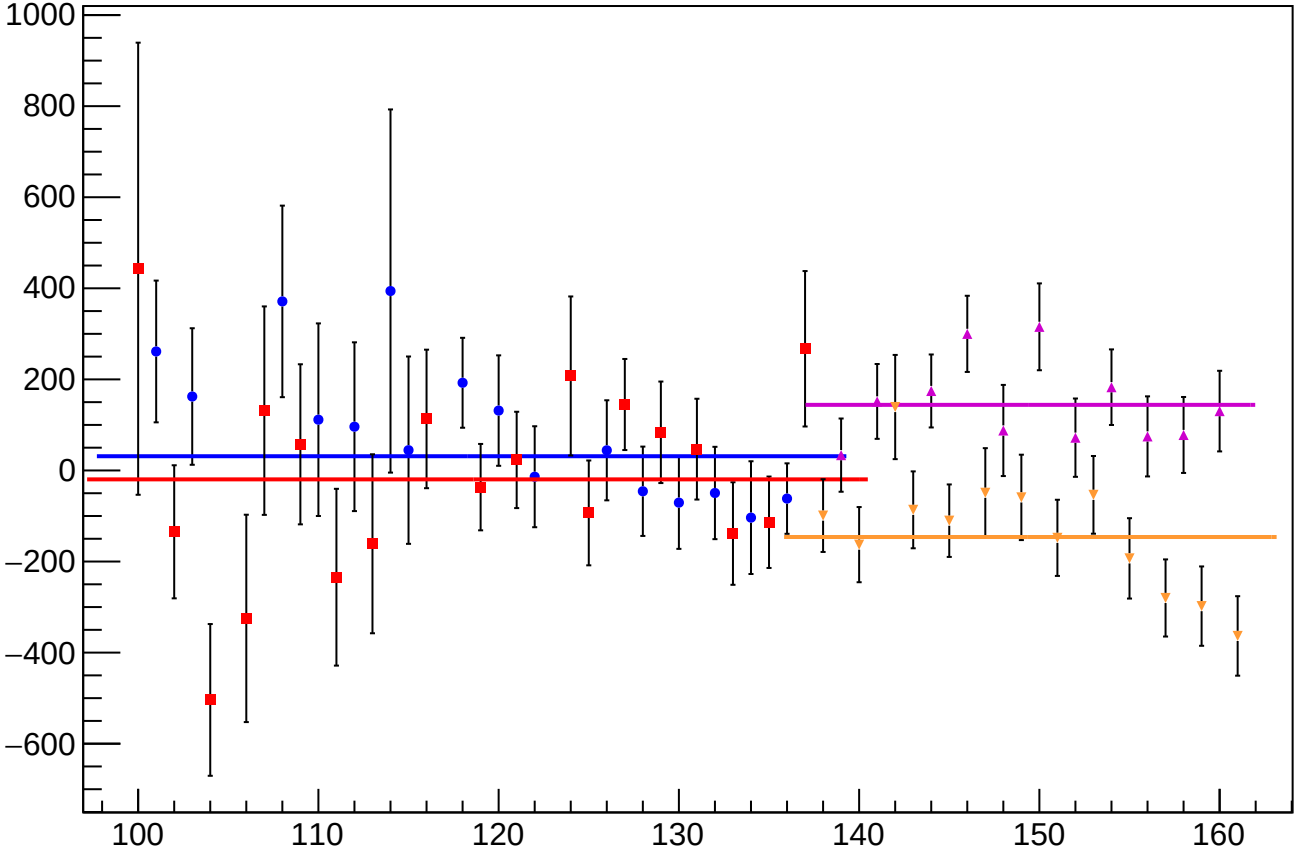
Left In: 0.006+/-0.000 χ^2/NDF:495987.0/10

+ sign 0.006+/-0.000 χ^2/NDF: 2279956.9/28

All: 0.006+/-0.000 χ^2/NDF: 4833951.9/58

- sign 0.006+/-0.000 χ^2/NDF: 2552584.9/29

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -146.141+/-24.203 χ^2/NDF:22.3/12

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

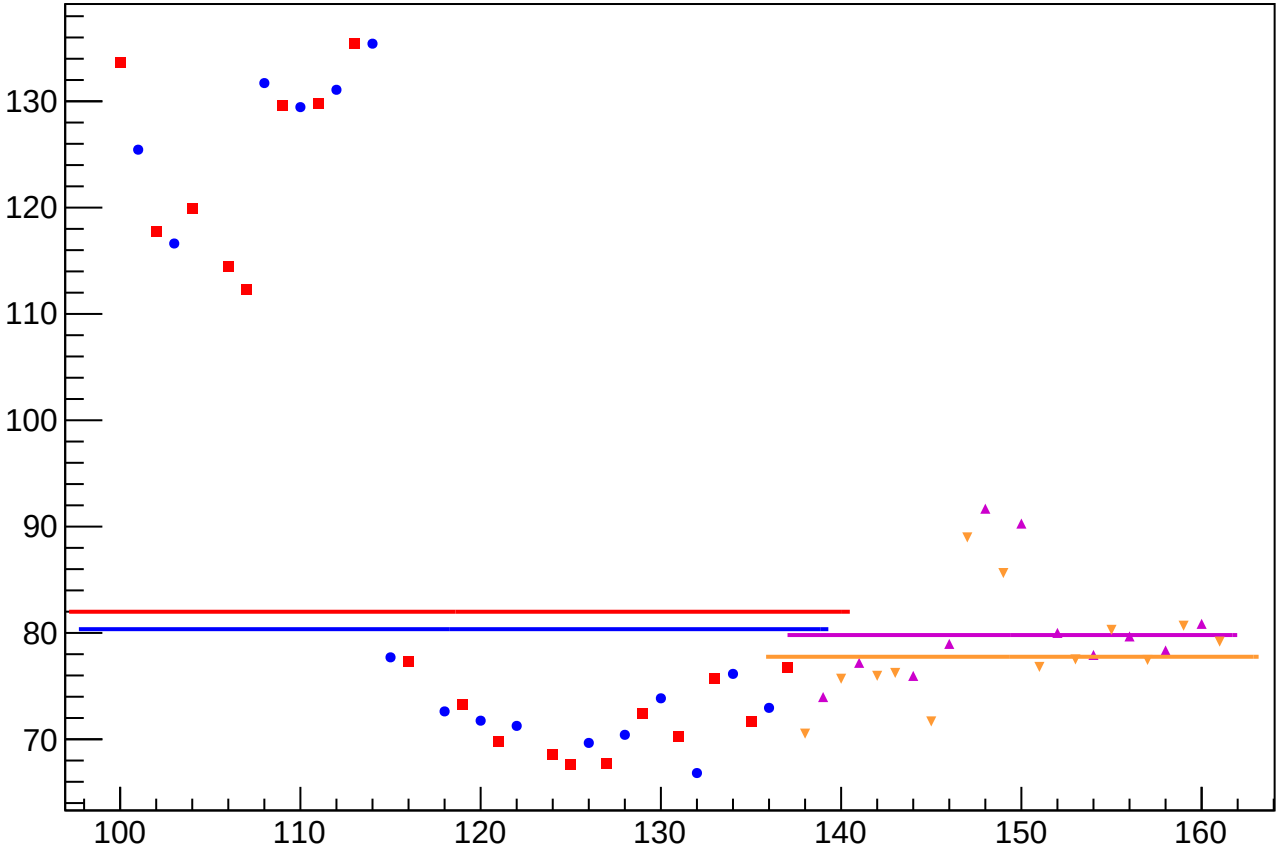
Left In: 144.050+/-25.887 χ^2/NDF:11.3/10

\+ sign -78.381+/-19.027 χ^2/NDF: 57.9/28

All: -4.126+/-13.748 χ^2/NDF: 143.3/58

\- sign 76.977+/-19.885 χ^2/NDF: 53.5/29

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.759+/-0.017 χ^2/NDF:75524.6/12

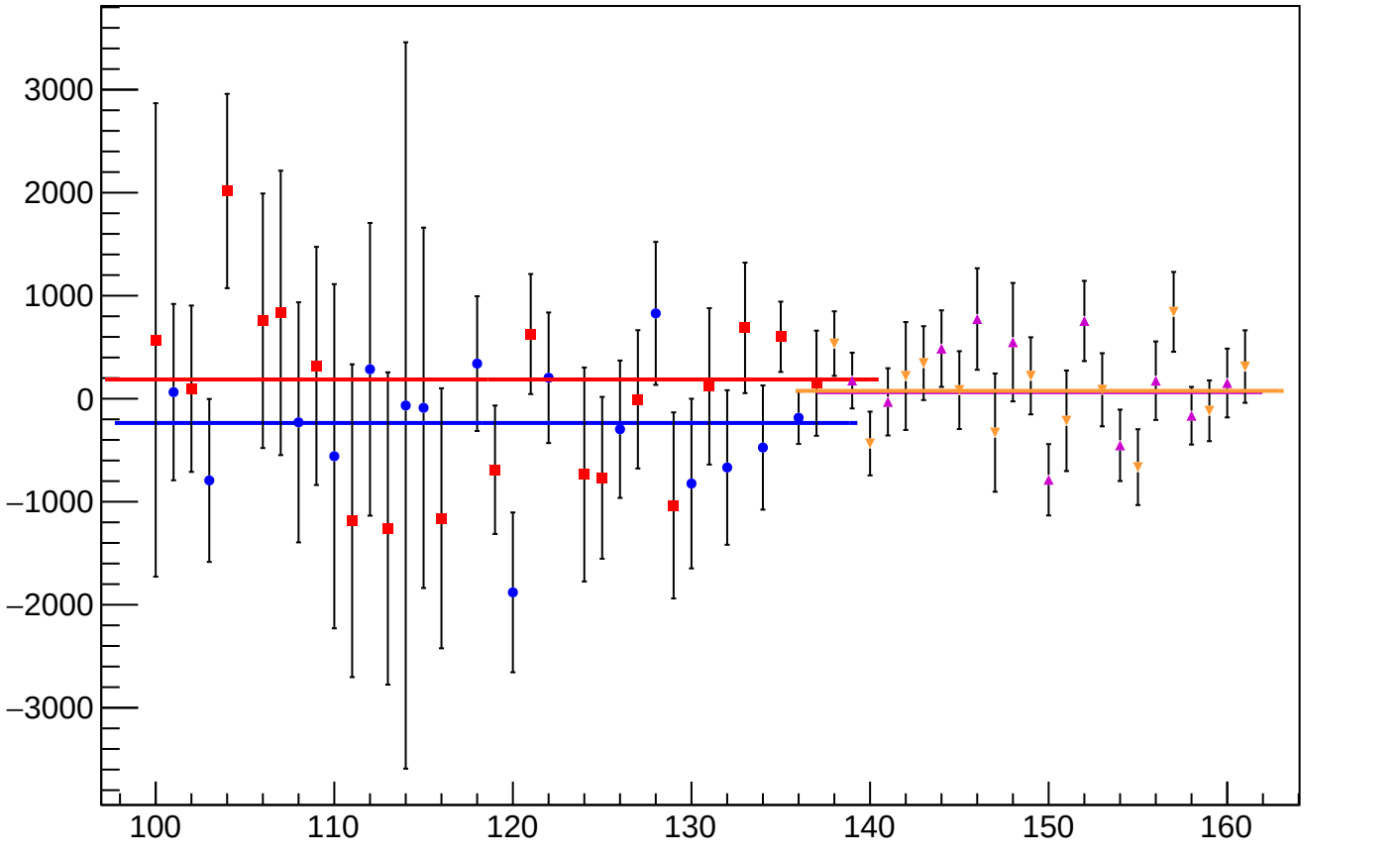
Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.801+/-0.018 χ^2/NDF:71618.7/10

+ sign 78.750+/-0.013 χ^2/NDF: 924344.4/28

All: 79.682+/-0.010 χ^2/NDF: 1944210.1/58

- sign 80.699+/-0.014 χ^2/NDF: 1009835.4/29



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 76.298+/-102.603 χ^2/NDF:15.4/12

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

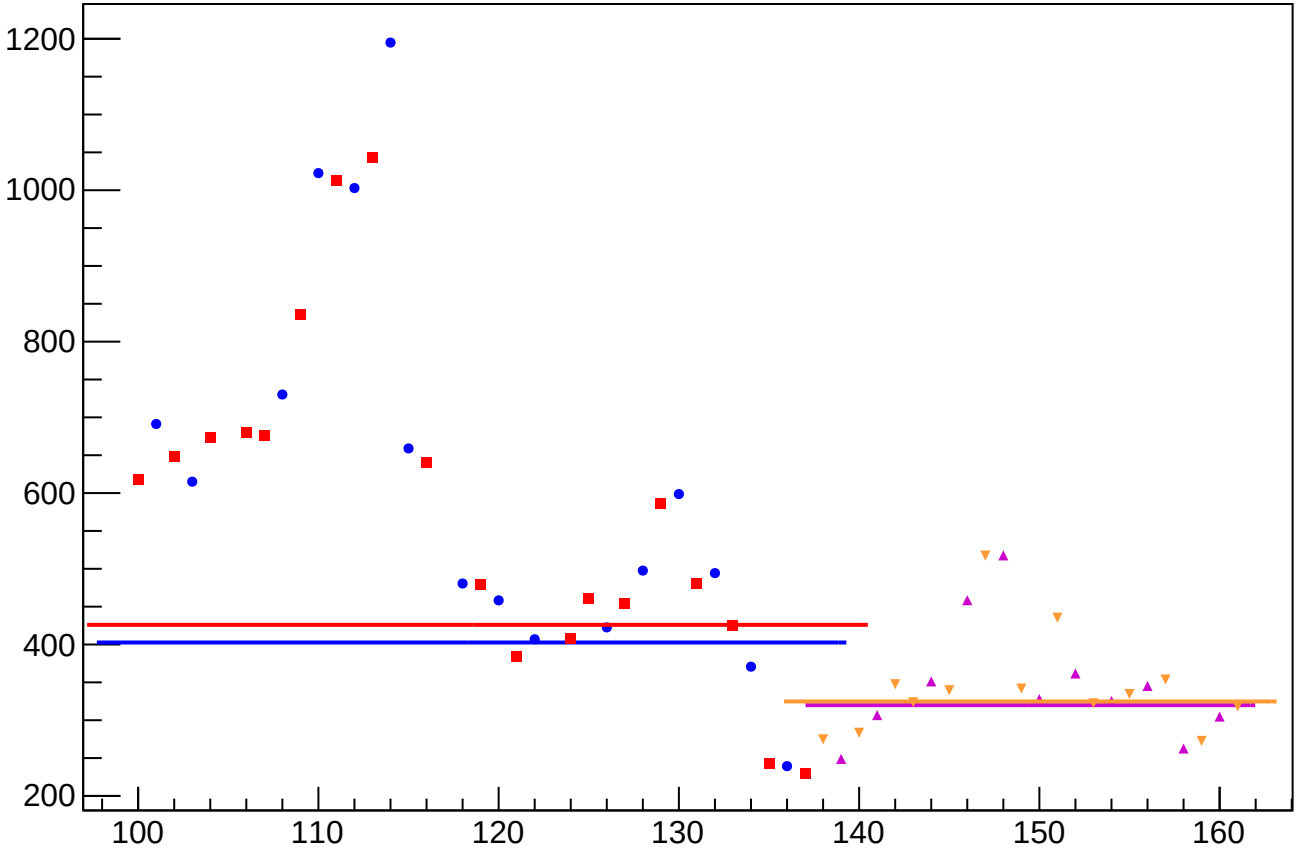
Left In: 62.779+/-105.854 χ^2/NDF:16.5/10

\+ sign -11.600+/-86.948 χ^2/NDF: 27.9/28

All: 41.005+/-62.504 χ^2/NDF: 61.6/58

\- sign 97.264+/-89.916 χ^2/NDF: 32.9/29

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 324.775+/-0.073 χ^2/NDF:501513.4/12

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

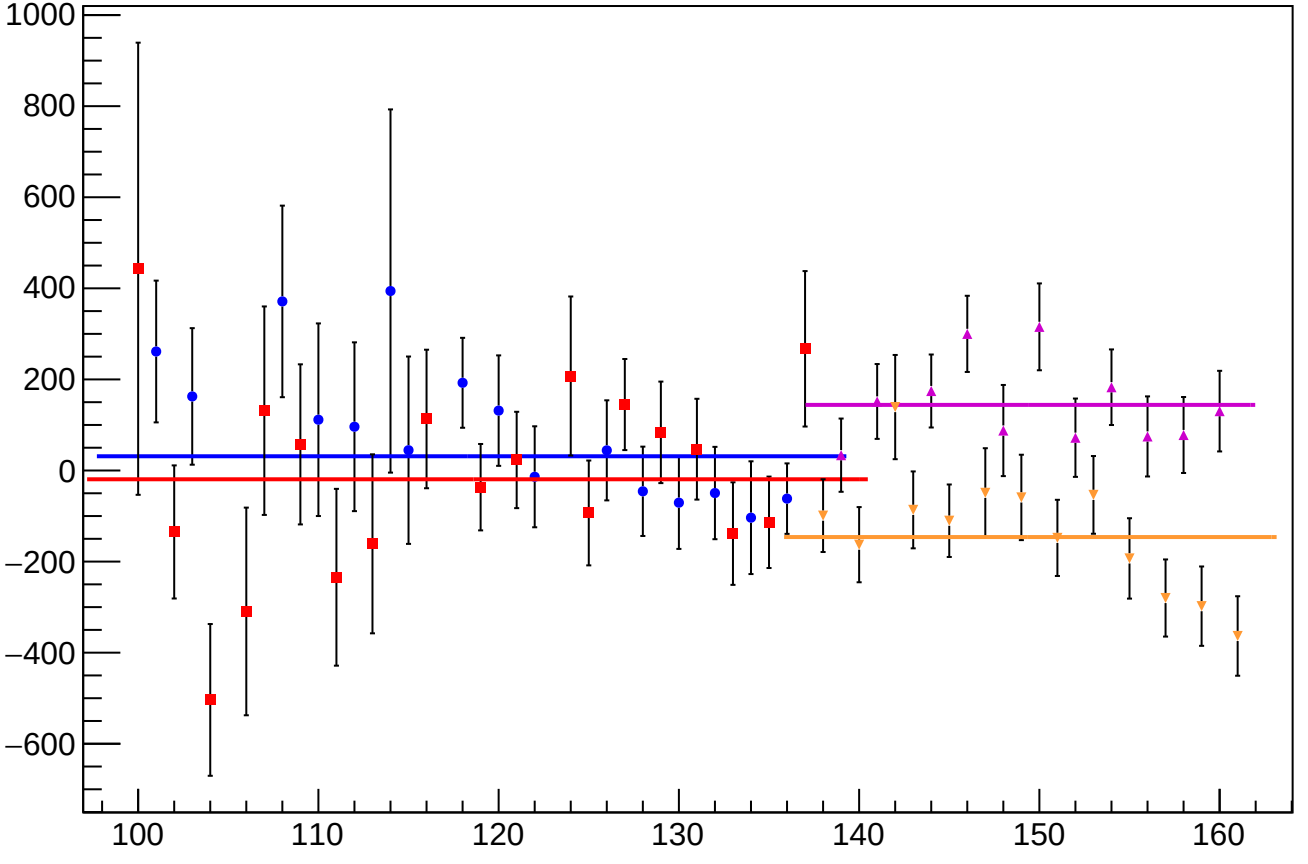
Left In: 319.932+/-0.075 χ^2/NDF:671332.1/10

+ sign 346.729+/-0.061 χ^2/NDF: 3186442.6/28

All: 348.050+/-0.044 χ^2/NDF: 6786487.2/58

- sign 349.462+/-0.064 χ^2/NDF: 3599089.7/29

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -146.137+/-24.203 χ^2/NDF:22.3/12

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

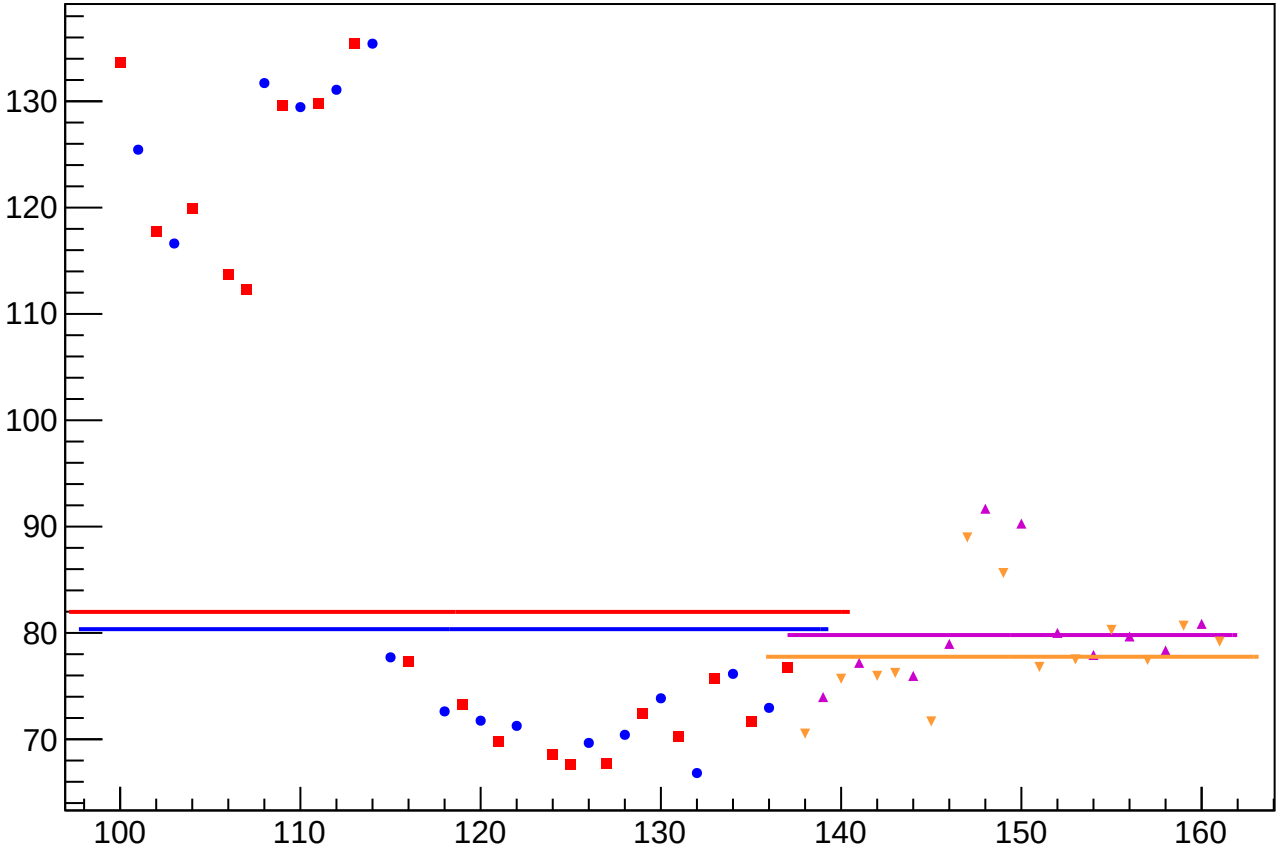
Left In: 144.053+/-25.887 χ^2/NDF:11.3/10

\+ sign -78.375+/-19.027 χ^2/NDF: 57.9/28

All: -4.064+/-13.748 χ^2/NDF: 143.1/58

\- sign 77.101+/-19.886 χ^2/NDF: 53.3/29

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.759+/-0.017 χ^2/NDF:75524.6/12

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

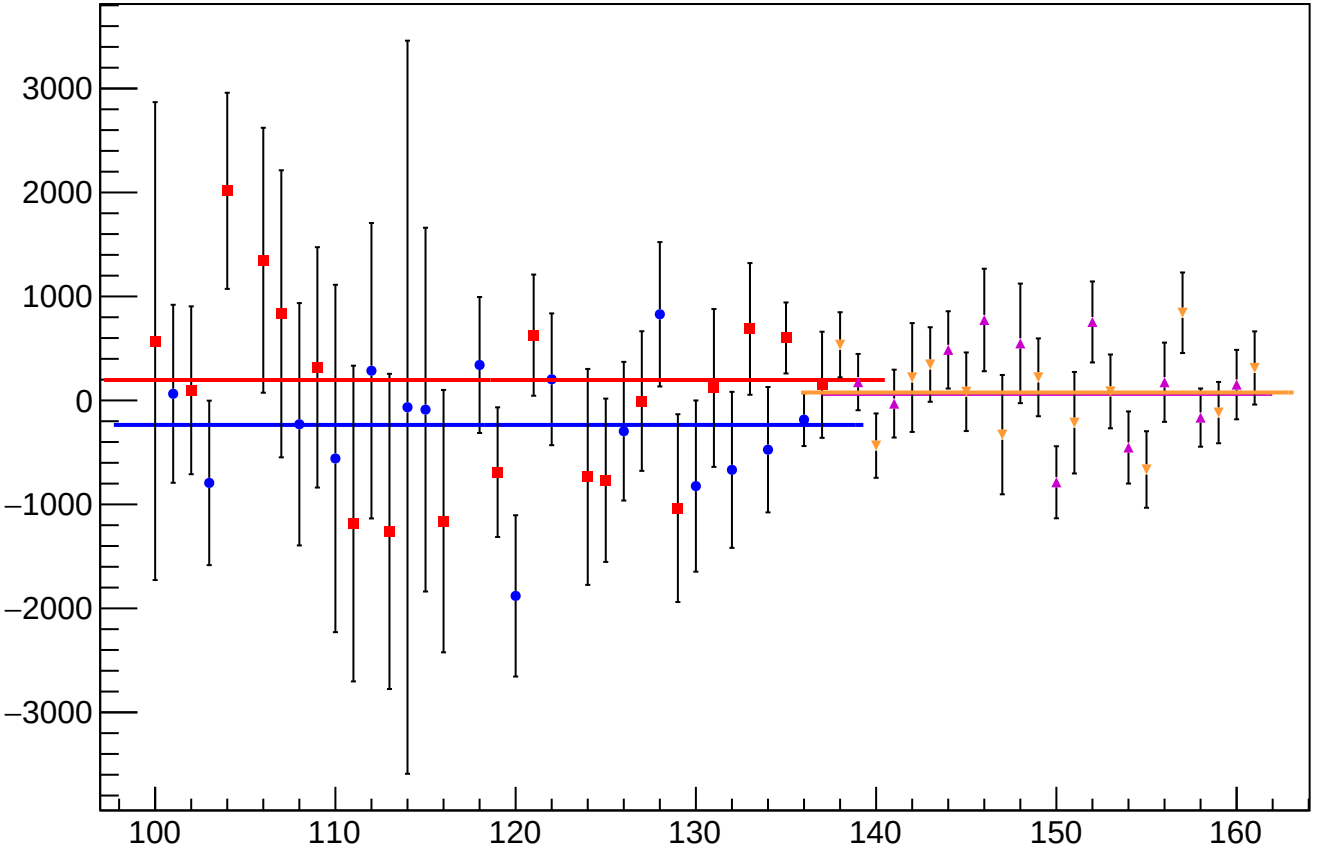
Left In: 79.801+/-0.018 χ^2/NDF:71618.7/10

+ sign 78.750+/-0.013 χ^2/NDF: 924344.6/28

All: 79.679+/-0.010 χ^2/NDF: 1942194.7/58

- sign 80.693+/-0.014 χ^2/NDF: 1007883.5/29

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 76.299+/-102.603 χ^2/NDF:15.4/12

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

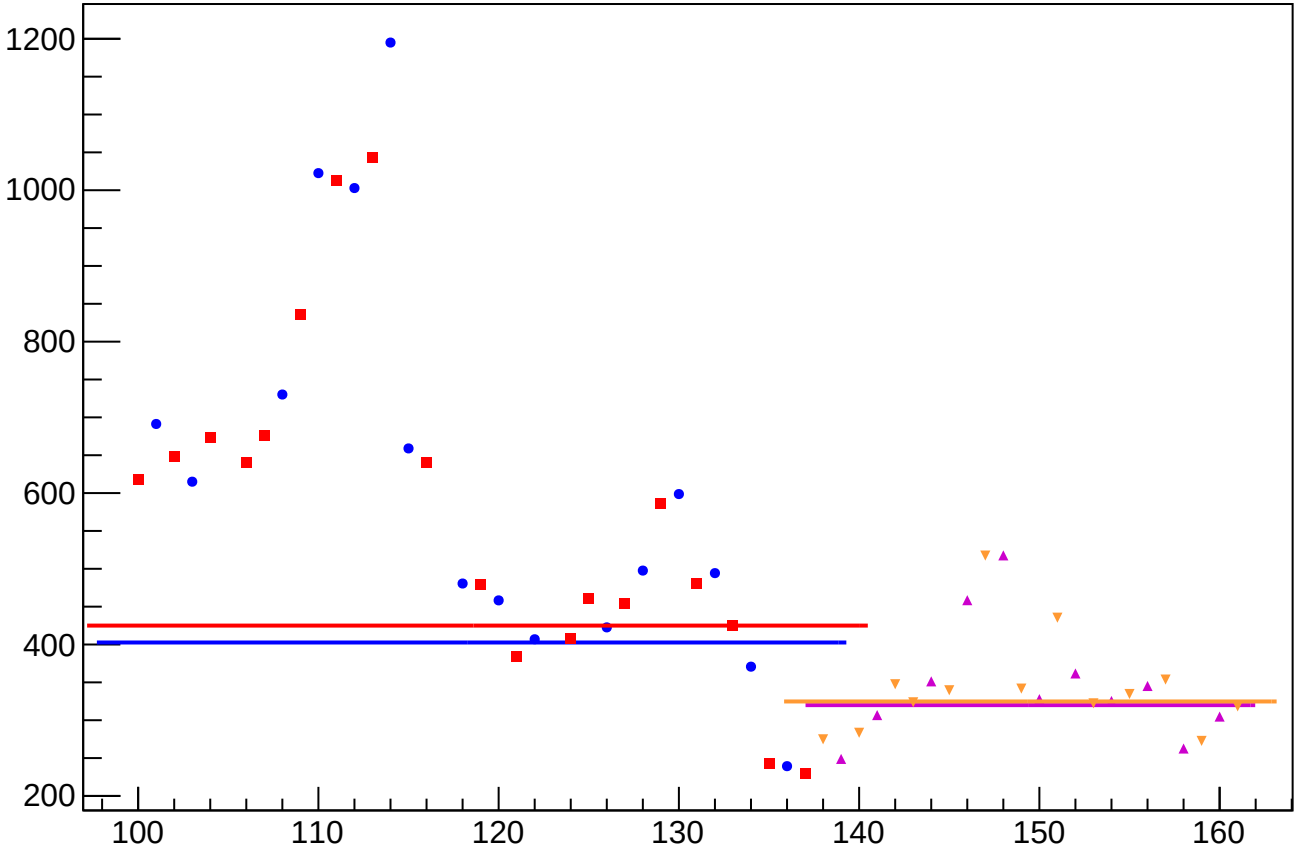
Left In: 62.782+/-105.854 χ^2/NDF:16.5/10

+ sign -11.598+/-86.948 χ^2/NDF: 27.9/28

All: 42.324+/-62.509 χ^2/NDF: 62.3/58

- sign 100.009+/-89.931 χ^2/NDF: 33.6/29

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.775+/-0.073 χ^2/NDF:501520.7/12

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

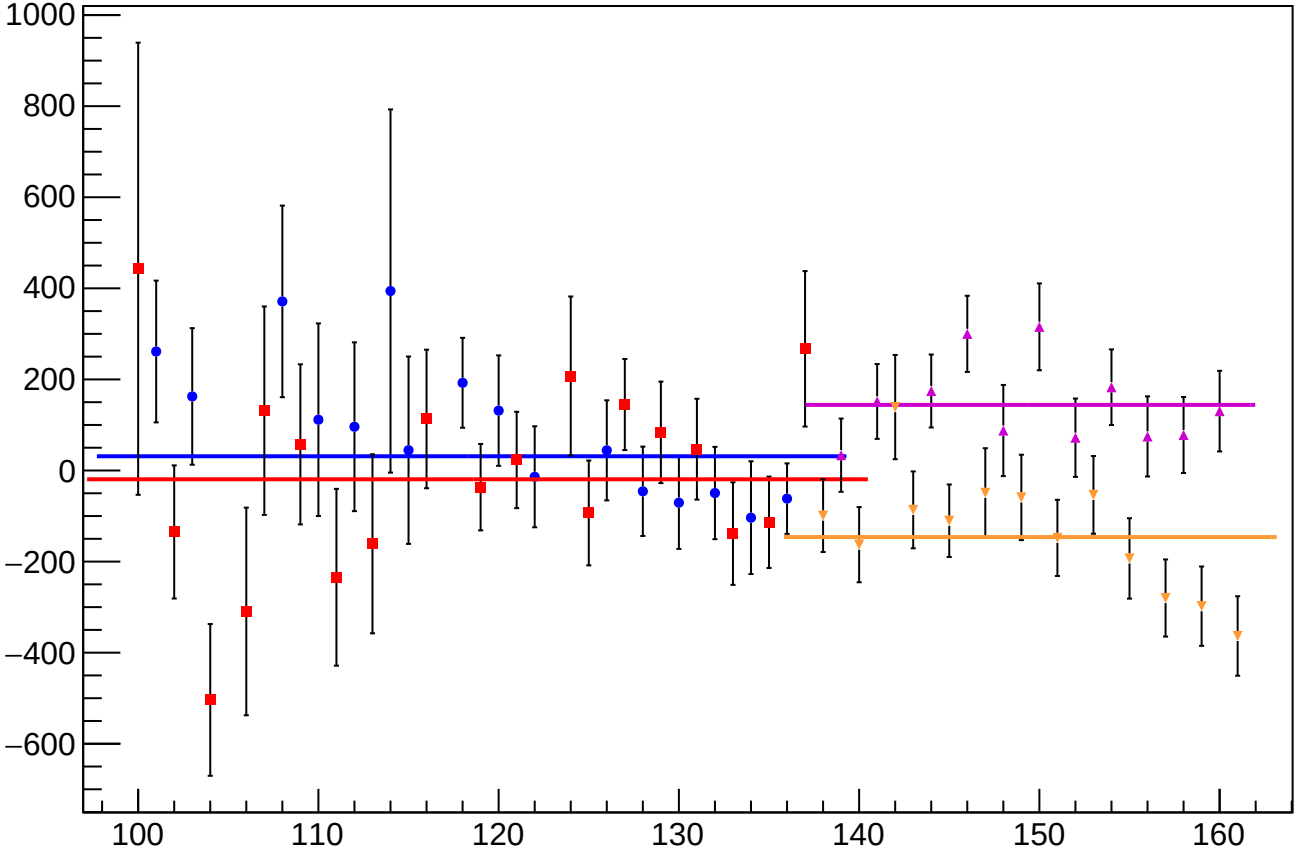
Left In: 319.932+/-0.075 χ^2/NDF:671332.7/10

\+ sign 346.729+/-0.061 χ^2/NDF: 3186448.8/28

All: 347.904+/-0.044 χ^2/NDF: 6747665.4/58

\- sign 349.162+/-0.064 χ^2/NDF: 3560460.0/29

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -146.137+/-24.203 χ^2/NDF:22.3/12

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

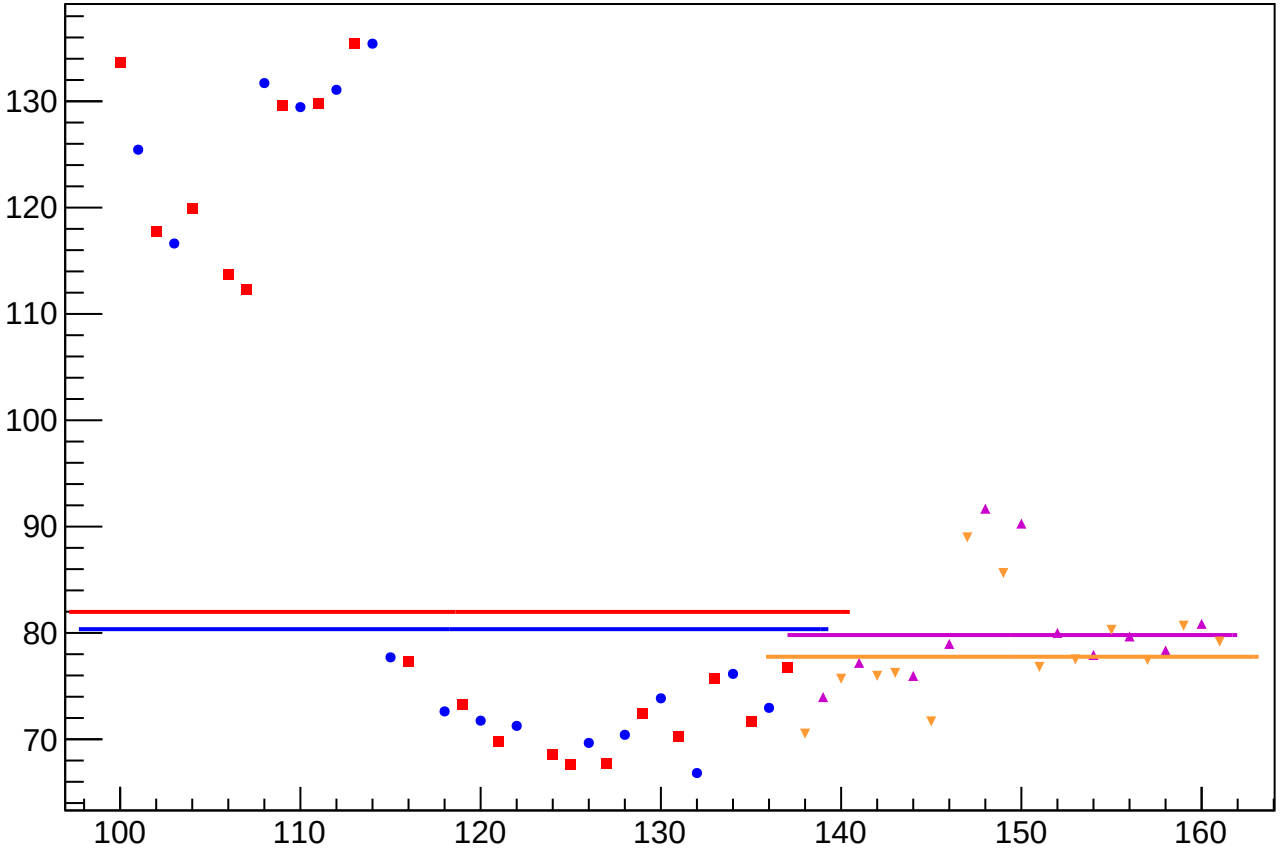
Left In: 144.053+/-25.887 χ^2/NDF:11.3/10

+ sign -78.375+/-19.027 χ^2/NDF: 57.9/28

All: -4.064+/-13.748 χ^2/NDF: 143.1/58

- sign 77.101+/-19.886 χ^2/NDF: 53.3/29

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.759+/-0.017 χ^2/NDF:75524.6/12

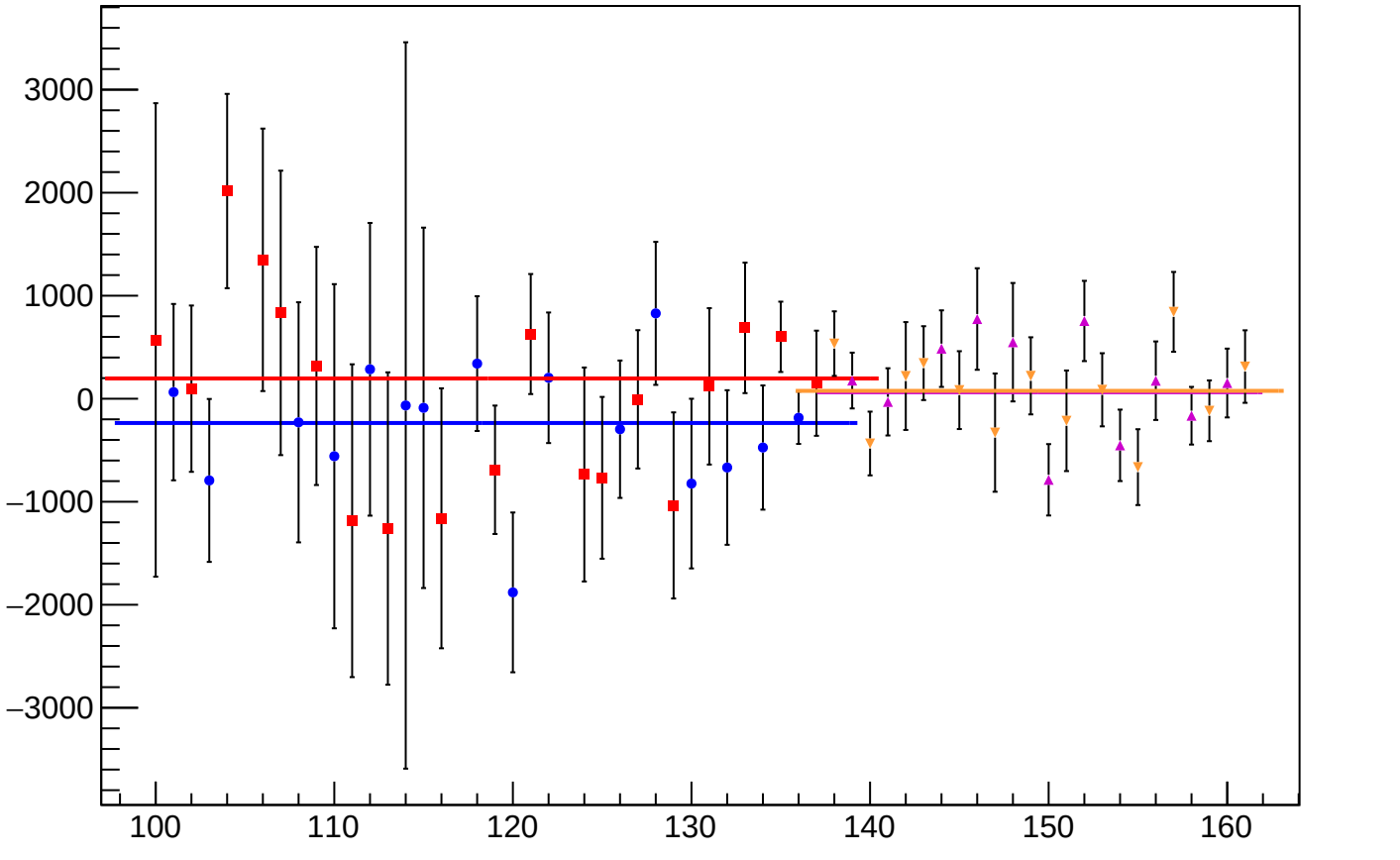
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.801+/-0.018 χ^2/NDF:71618.7/10

+ sign 78.750+/-0.013 χ^2/NDF: 924344.6/28

All: 79.679+/-0.010 χ^2/NDF: 1942194.7/58

- sign 80.693+/-0.014 χ^2/NDF: 1007883.5/29



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 76.299+/-102.603 χ^2/NDF:15.4/12

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

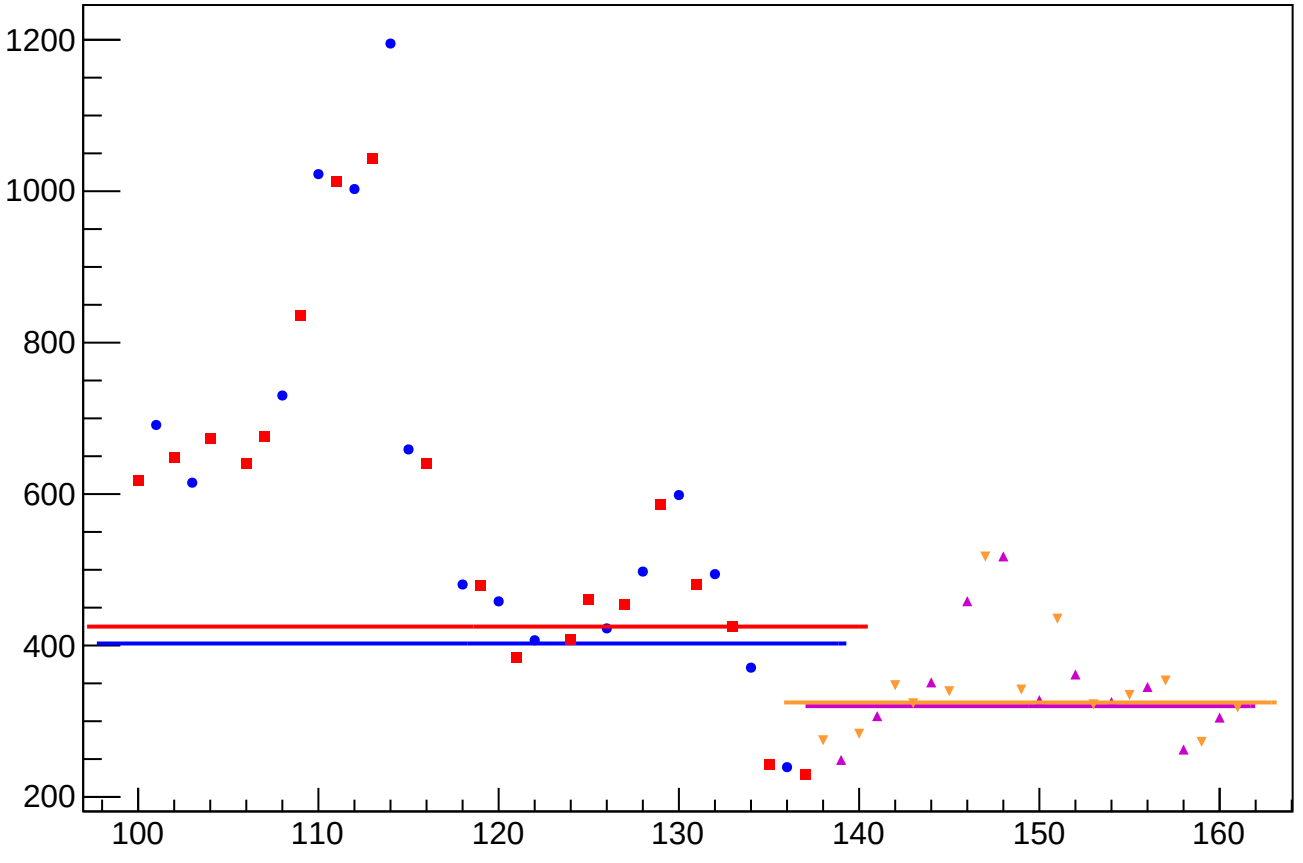
Left In: 62.782+/-105.854 χ^2/NDF:16.5/10

+ sign -11.598+/-86.948 χ^2/NDF: 27.9/28

All: 42.324+/-62.509 χ^2/NDF: 62.3/58

- sign 100.009+/-89.931 χ^2/NDF: 33.6/29

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.775+/-0.073 χ^2/NDF:501520.7/12

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

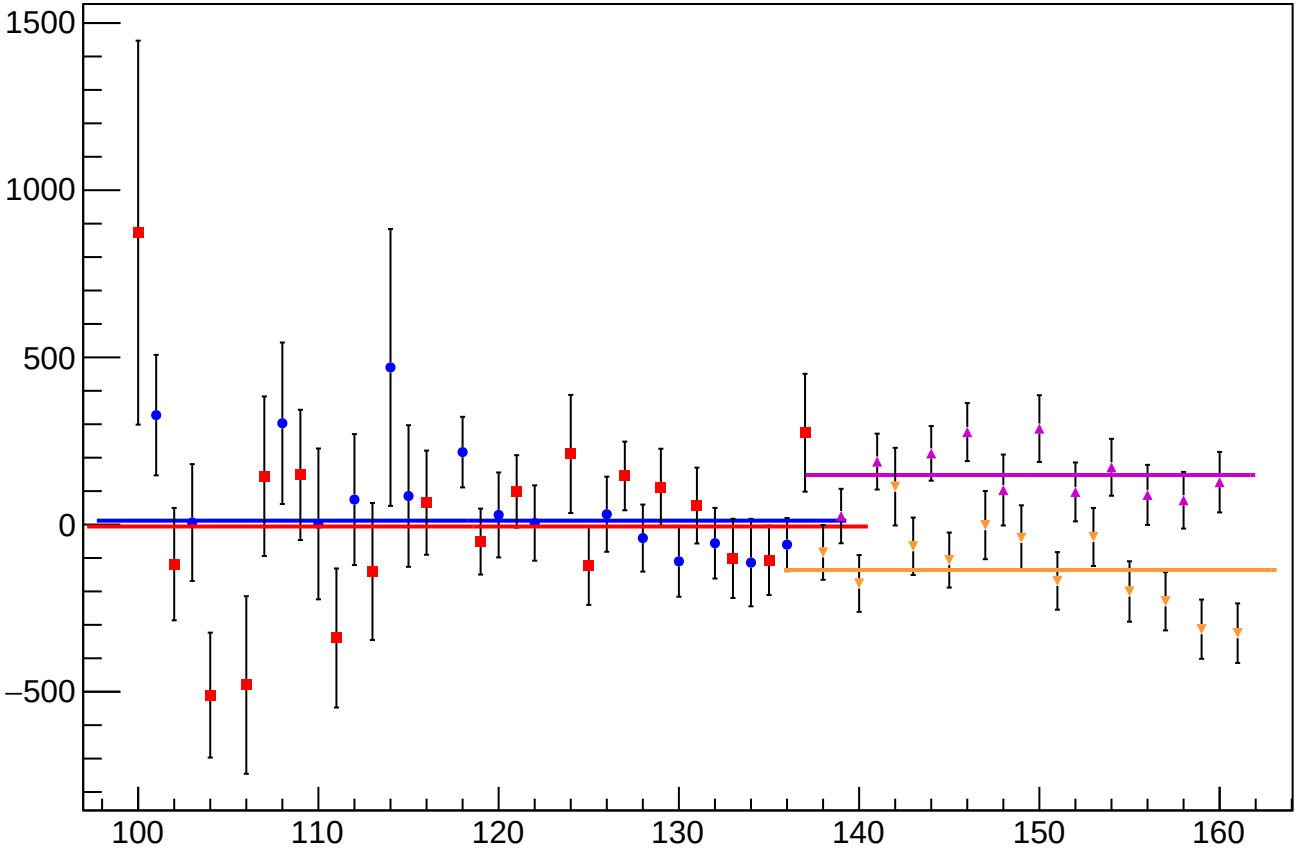
Left In: 319.932+/-0.075 χ^2/NDF:671332.7/10

+ sign 346.729+/-0.061 χ^2/NDF: 3186448.8/28

All: 347.904+/-0.044 χ^2/NDF: 6747665.4/58

- sign 349.162+/-0.064 χ^2/NDF: 3560460.0/29

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -135.944+/-24.833 χ^2/NDF:20.3/12

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

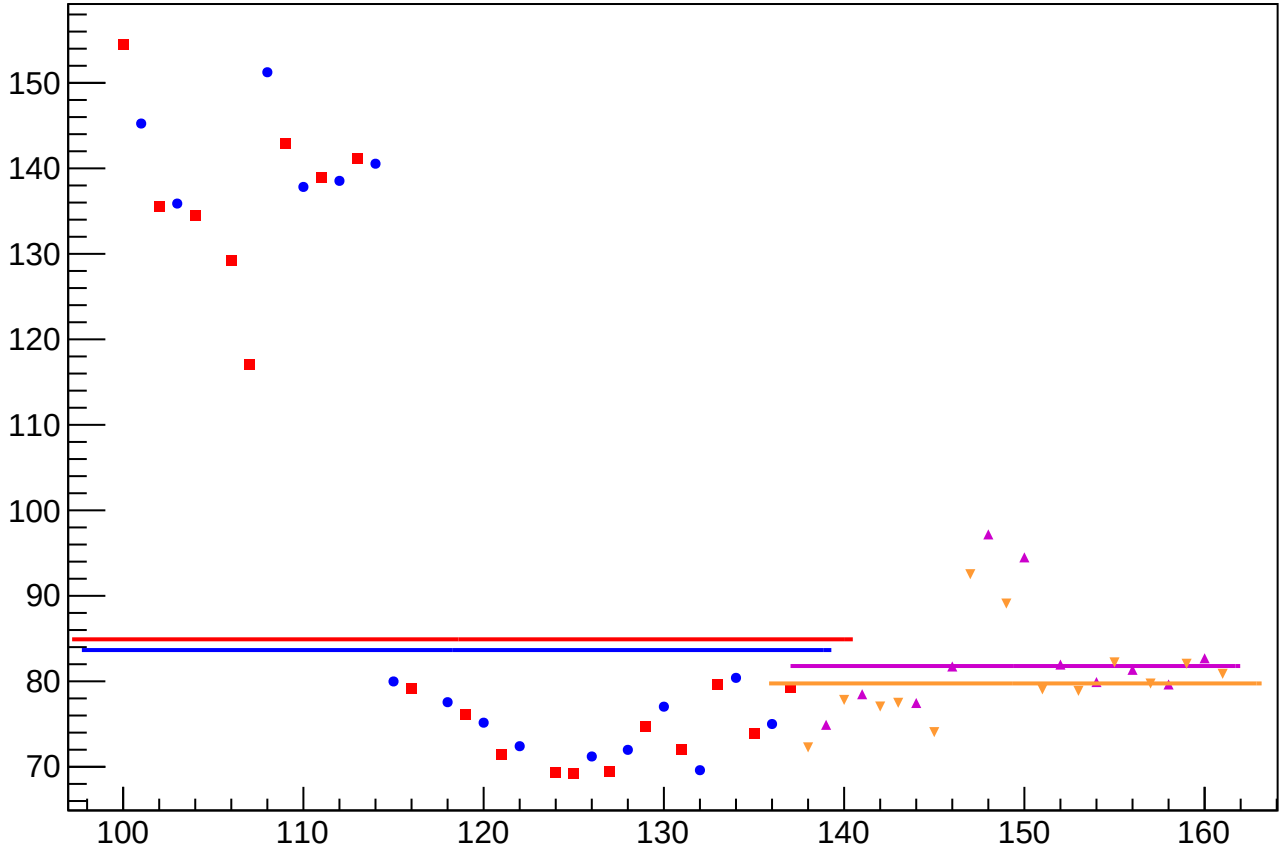
Left In: 148.236+/-26.560 χ^2/NDF:9.1/10

+ sign -81.107+/-19.686 χ^2/NDF: 47.0/28

All: -0.945+/-14.216 χ^2/NDF: 133.0/58

- sign 86.419+/-20.552 χ^2/NDF: 51.4/29

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.754+/-0.018 χ^2/NDF:83035.0/12

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

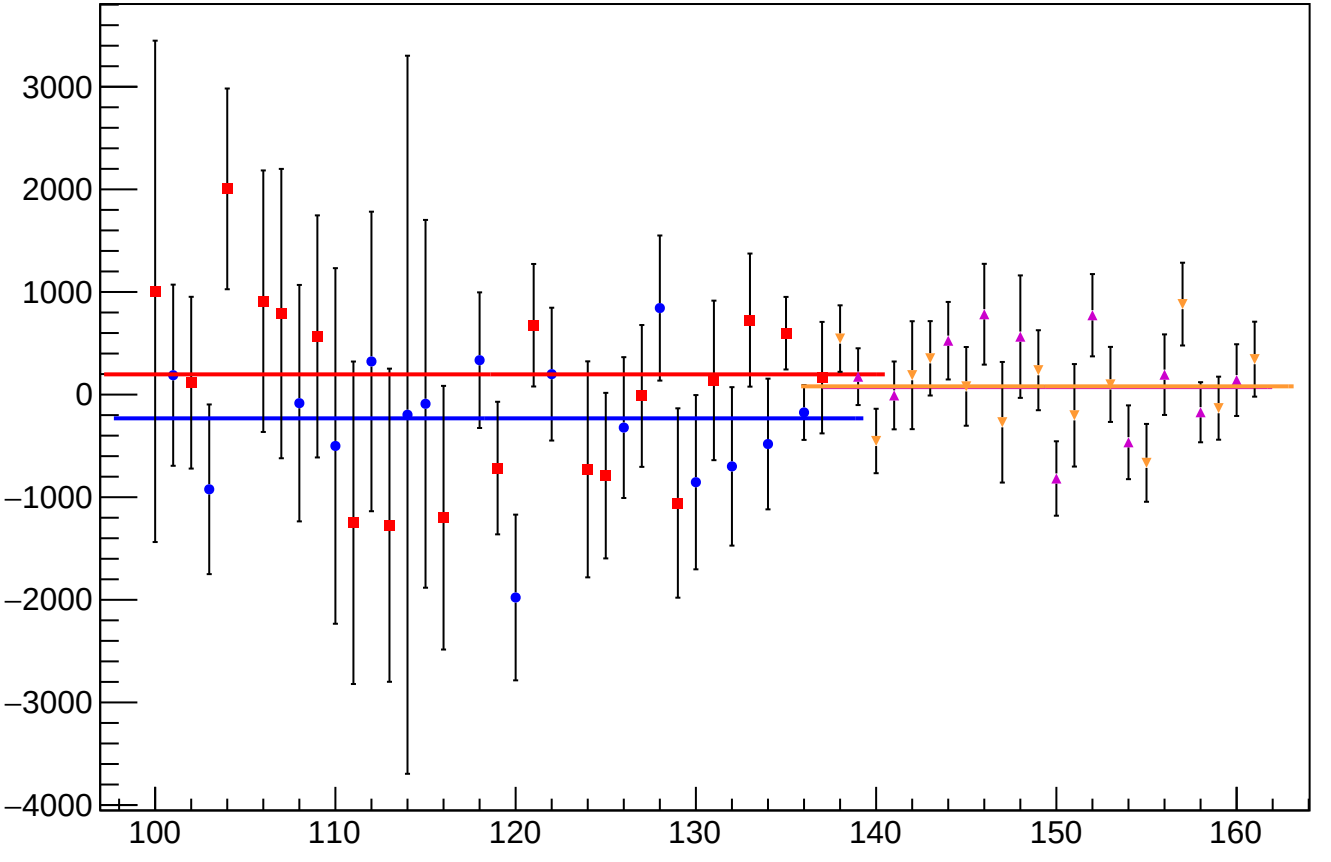
Left In: 81.789+/-0.019 χ^2/NDF:100032.8/10

+ sign 81.204+/-0.014 χ^2/NDF: 1136190.2/28

All: 82.084+/-0.010 χ^2/NDF: 2377342.7/58

- sign 83.043+/-0.015 χ^2/NDF: 1232802.0/29

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 80.474+/-105.505 χ^2/NDF:15.2/12

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

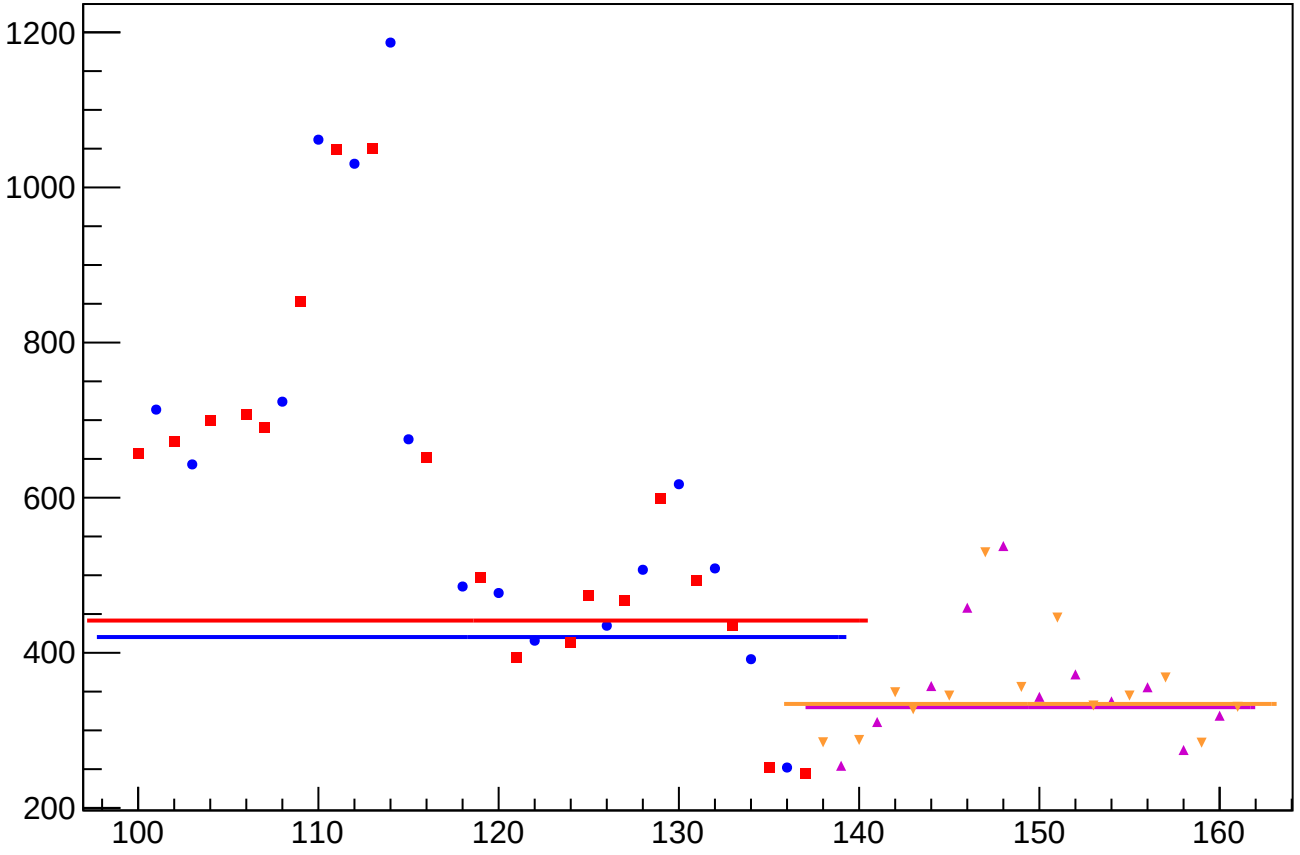
Left In: 72.988+/-109.069 χ^2/NDF:16.5/10

+ sign -6.151+/-89.664 χ^2/NDF: 28.0/28

All: 48.735+/-64.456 χ^2/NDF: 61.6/58

- sign 107.430+/-92.723 χ^2/NDF: 32.8/29

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 334.096+/-0.075 χ^2/NDF:490358.7/12

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

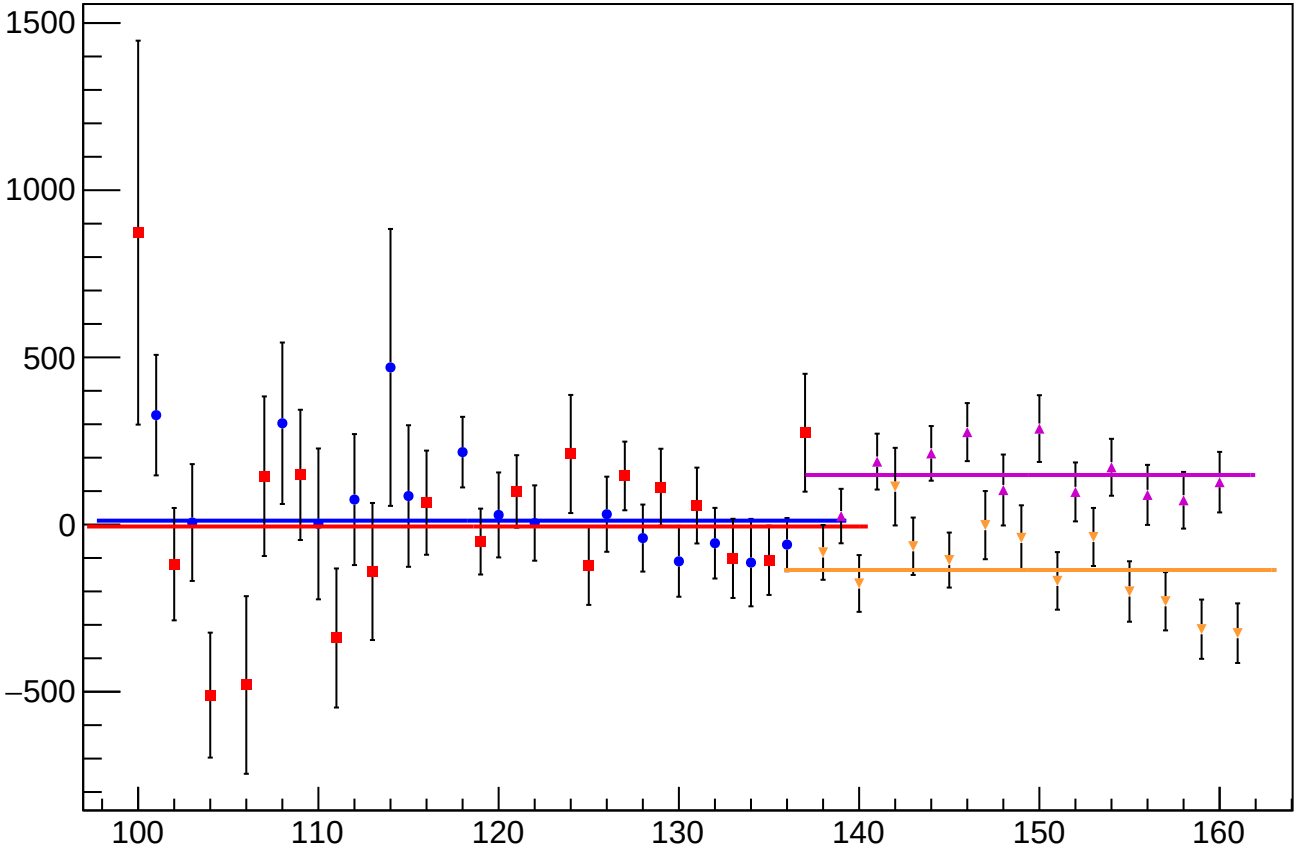
Left In: 329.929+/-0.077 χ^2/NDF:652382.7/10

+ sign 358.048+/-0.063 χ^2/NDF: 3116066.6/28

All: 359.422+/-0.046 χ^2/NDF: 6658304.3/58

- sign 360.891+/-0.066 χ^2/NDF: 3541265.6/29

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -135.943+/-24.833 χ^2/NDF:20.3/12

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

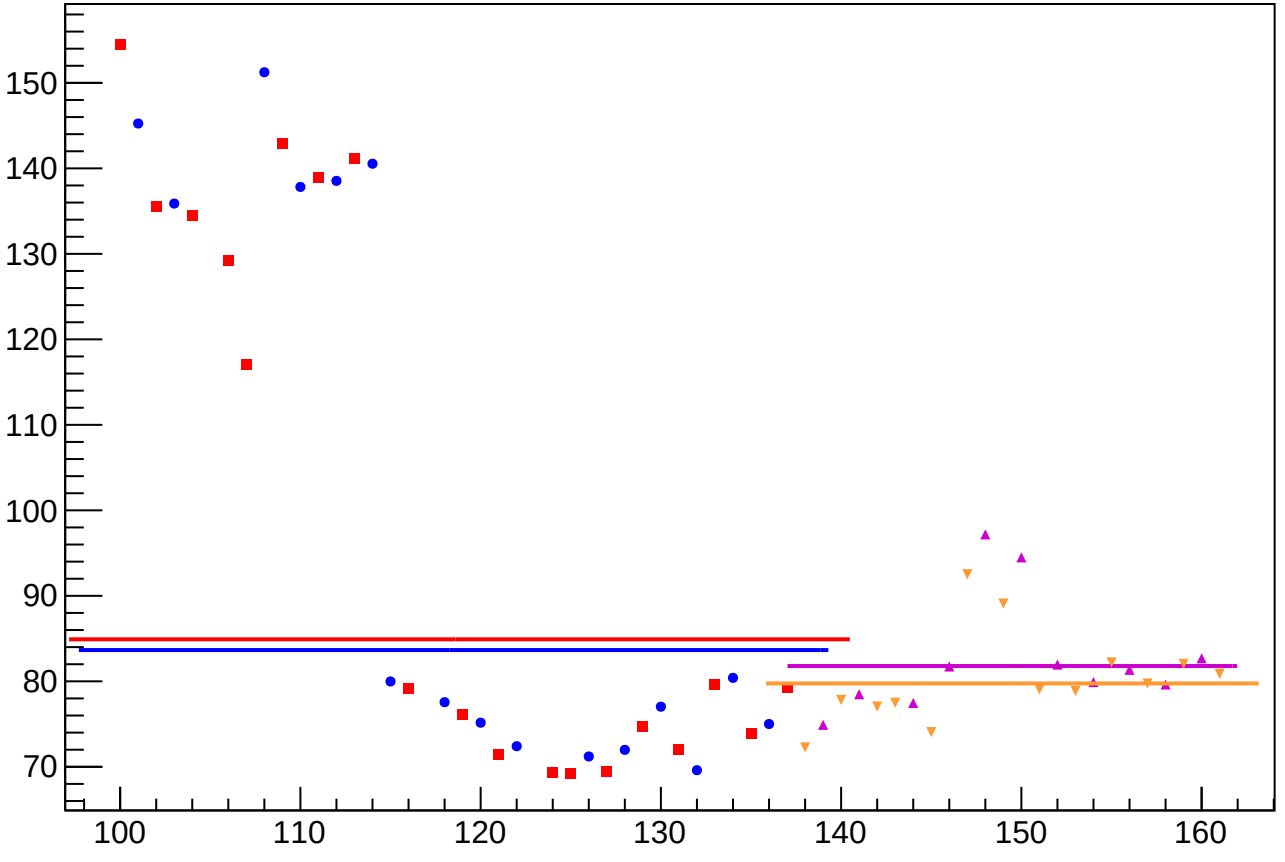
Left In: 148.236+/-26.560 χ^2/NDF:9.1/10

+ sign -81.106+/-19.686 χ^2/NDF: 47.0/28

All: -0.944+/-14.216 χ^2/NDF: 133.0/58

- sign 86.420+/-20.552 χ^2/NDF: 51.4/29

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.754+/-0.018 χ^2/NDF:83034.6/12

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

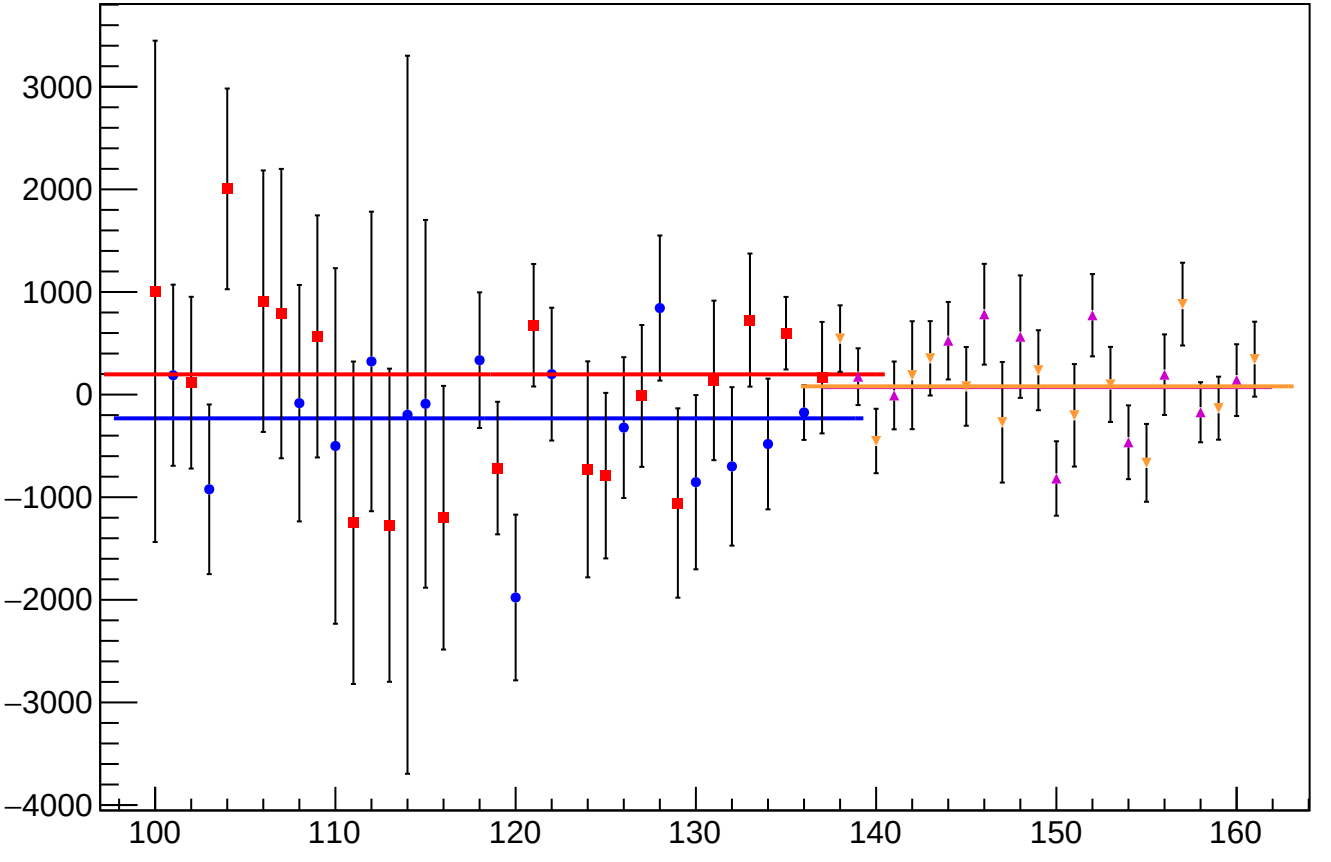
Left In: 81.789+/-0.019 χ^2/NDF:100032.0/10

+ sign 81.204+/-0.014 χ^2/NDF: 1136188.6/28

All: 82.084+/-0.010 χ^2/NDF: 2377338.8/58

- sign 83.043+/-0.015 χ^2/NDF: 1232799.7/29

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 80.475+/-105.505 χ^2/NDF:15.2/12

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

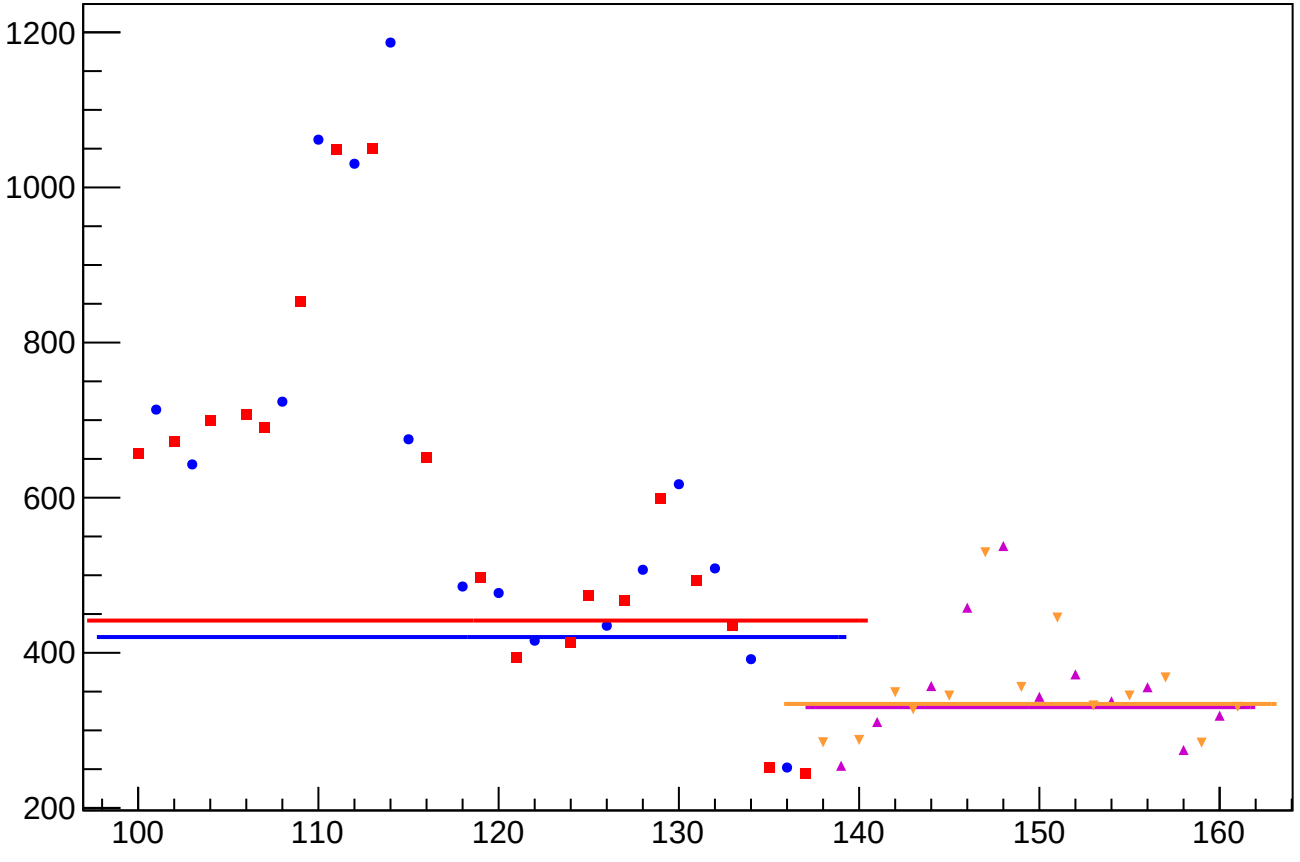
Left In: 72.989+/-109.069 χ^2/NDF:16.5/10

+ sign -6.151+/-89.664 χ^2/NDF: 28.0/28

All: 48.735+/-64.456 χ^2/NDF: 61.6/58

- sign 107.431+/-92.723 χ^2/NDF: 32.8/29

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 334.096+/-0.075 χ^2/NDF:490359.1/12

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

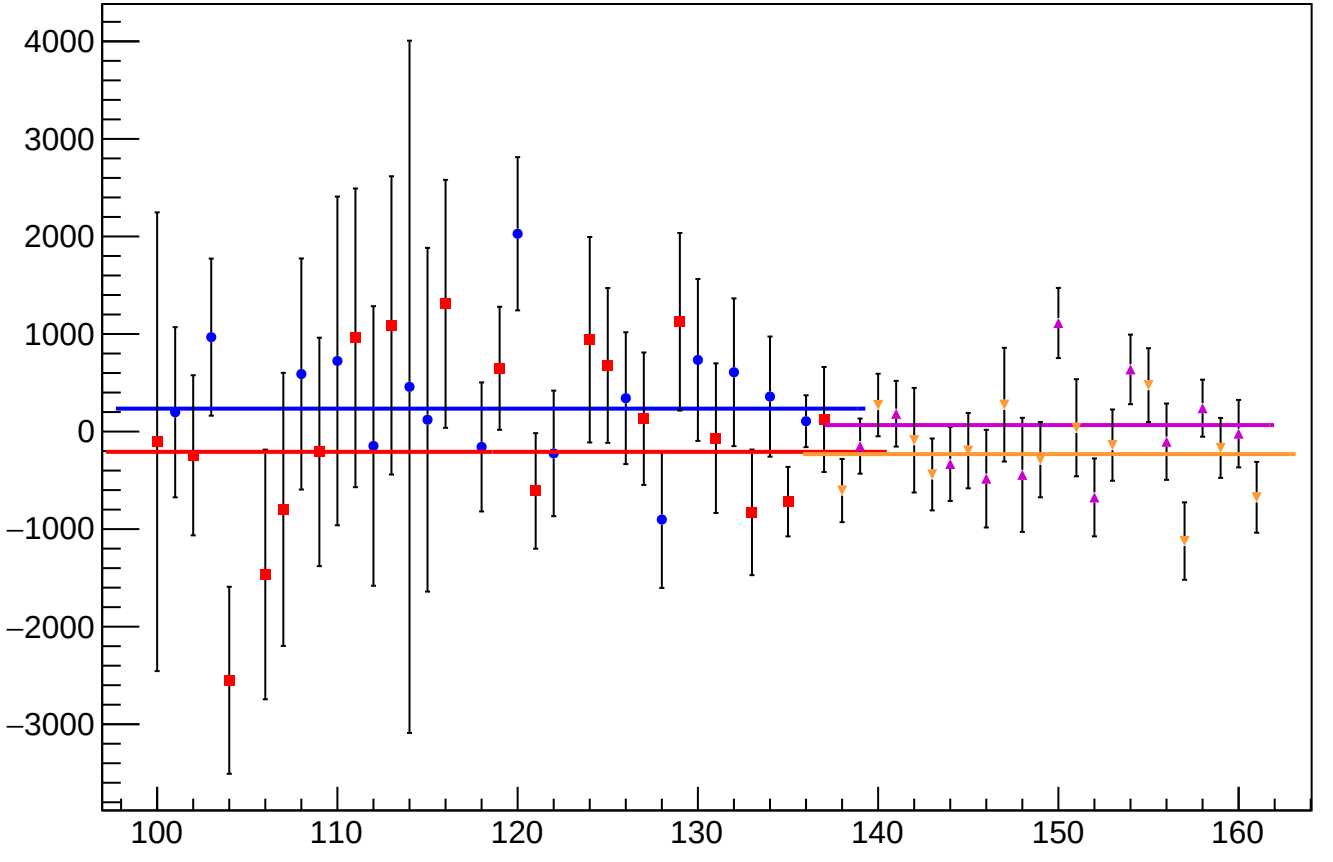
Left In: 329.928+/-0.077 χ^2/NDF:652384.4/10

+ sign 358.047+/-0.063 χ^2/NDF: 3116068.3/28

All: 359.421+/-0.046 χ^2/NDF: 6658308.7/58

- sign 360.891+/-0.066 χ^2/NDF: 3541268.5/29

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -231.032+/-105.708 χ^2/NDF:15.4/12

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

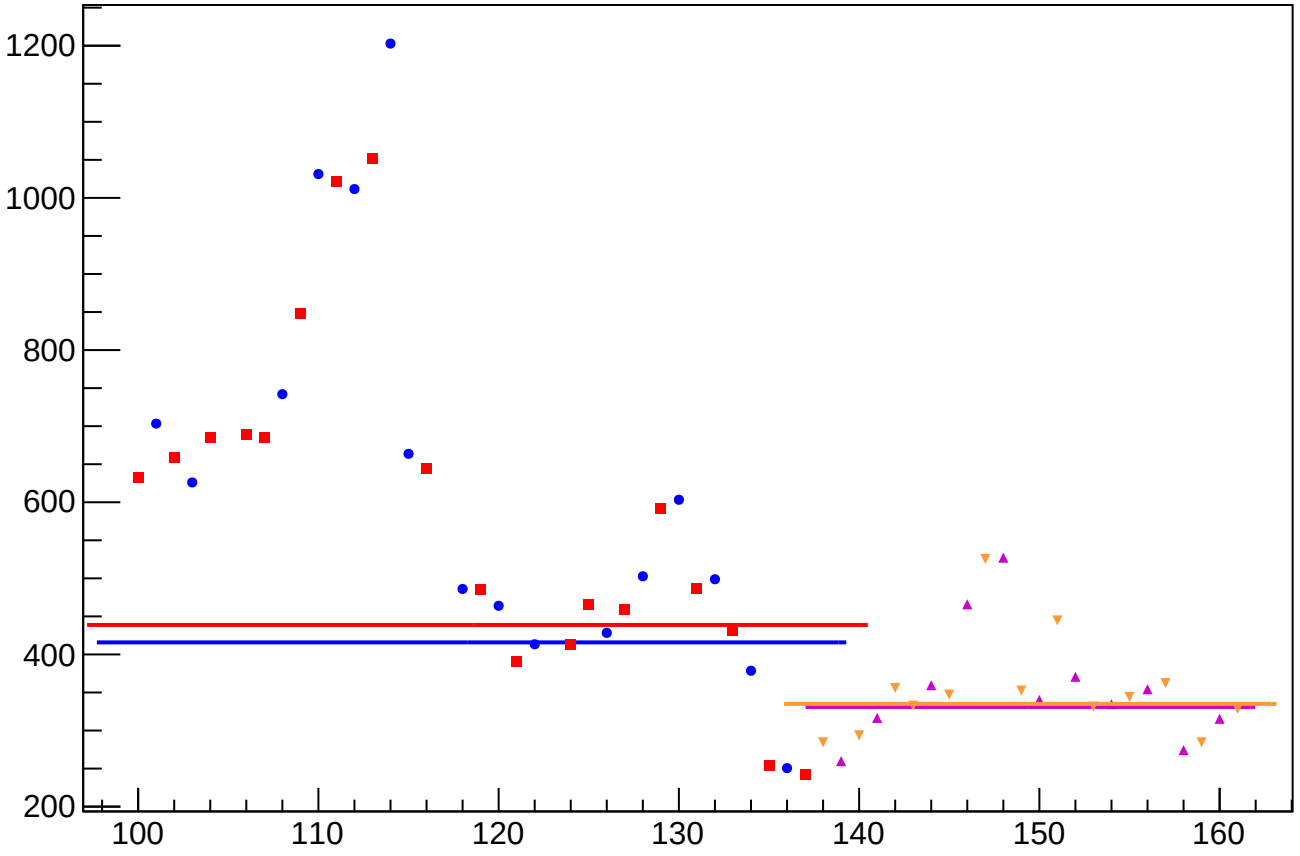
Left In: 66.415+/-109.335 χ^2/NDF:18.9/10

+ sign -99.064+/-89.500 χ^2/NDF: 31.6/28

All: -56.468+/-64.382 χ^2/NDF: 73.1/58

- sign -10.789+/-92.683 χ^2/NDF: 41.0/29

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 335.023+/-0.075 χ^2/NDF:467655.2/12

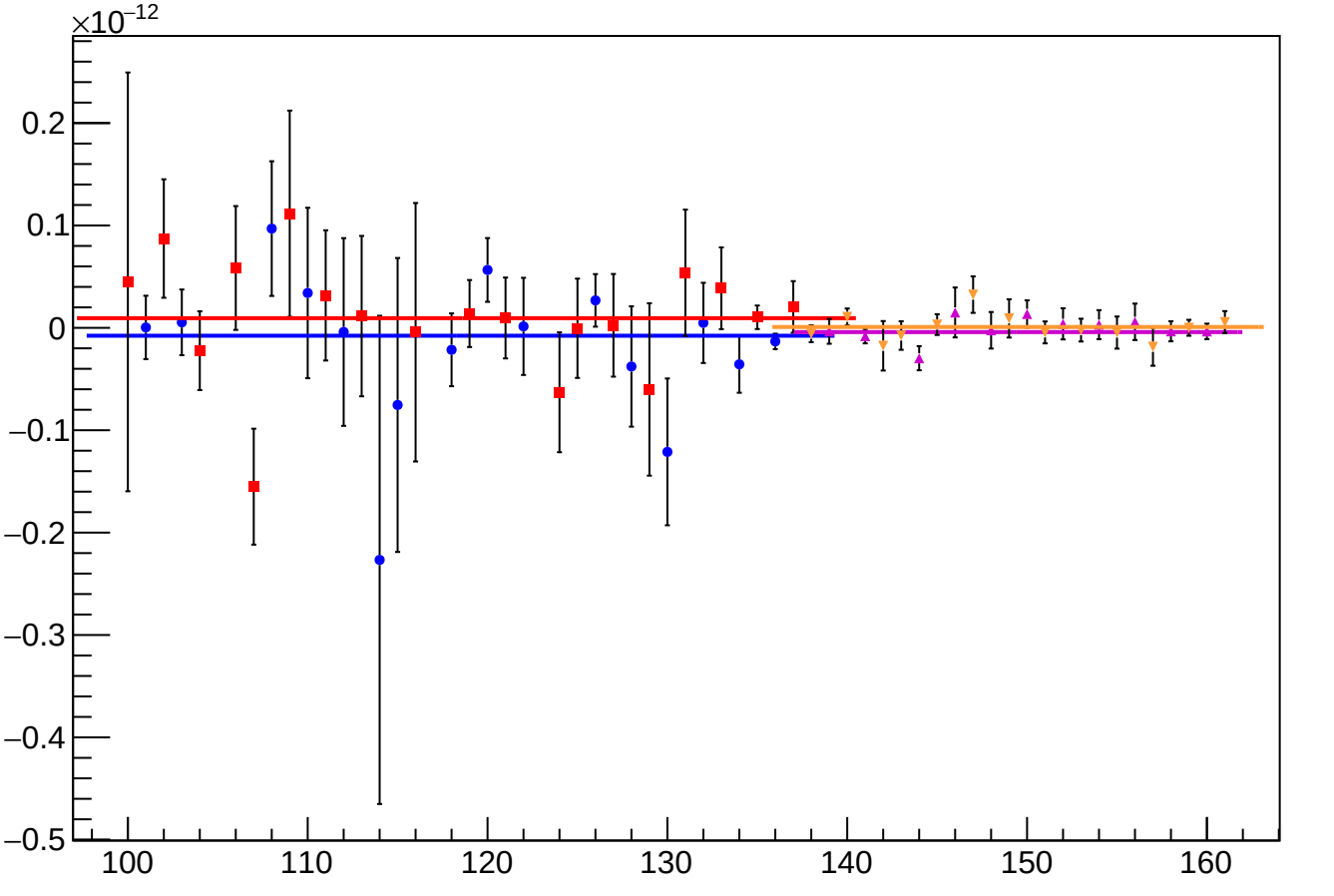
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 331.002+/-0.077 χ^2/NDF:620232.3/10

+ sign 357.905+/-0.063 χ^2/NDF: 3022597.5/28

All: 359.558+/-0.046 χ^2/NDF: 6425853.8/58

- sign 361.329+/-0.066 χ^2/NDF: 3401844.0/29



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

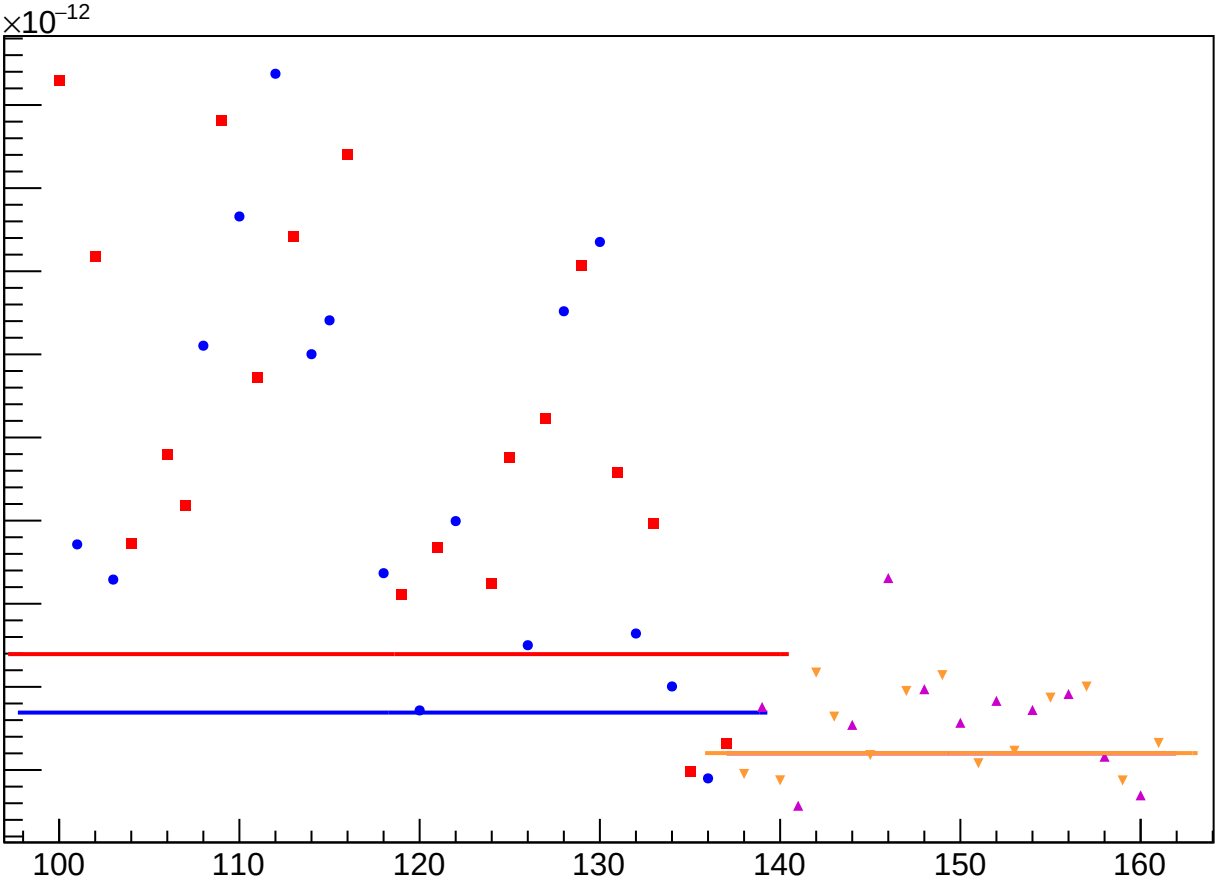
Left In: -0.000+/-0.000 χ^2/NDF:8.3/10

+ sign -0.000+/-0.000 χ^2/NDF: 24.4/28

All: -0.000+/-0.000 χ^2/NDF: 51.4/58

- sign -0.000+/-0.000 χ^2/NDF: 27.0/29

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:755135.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

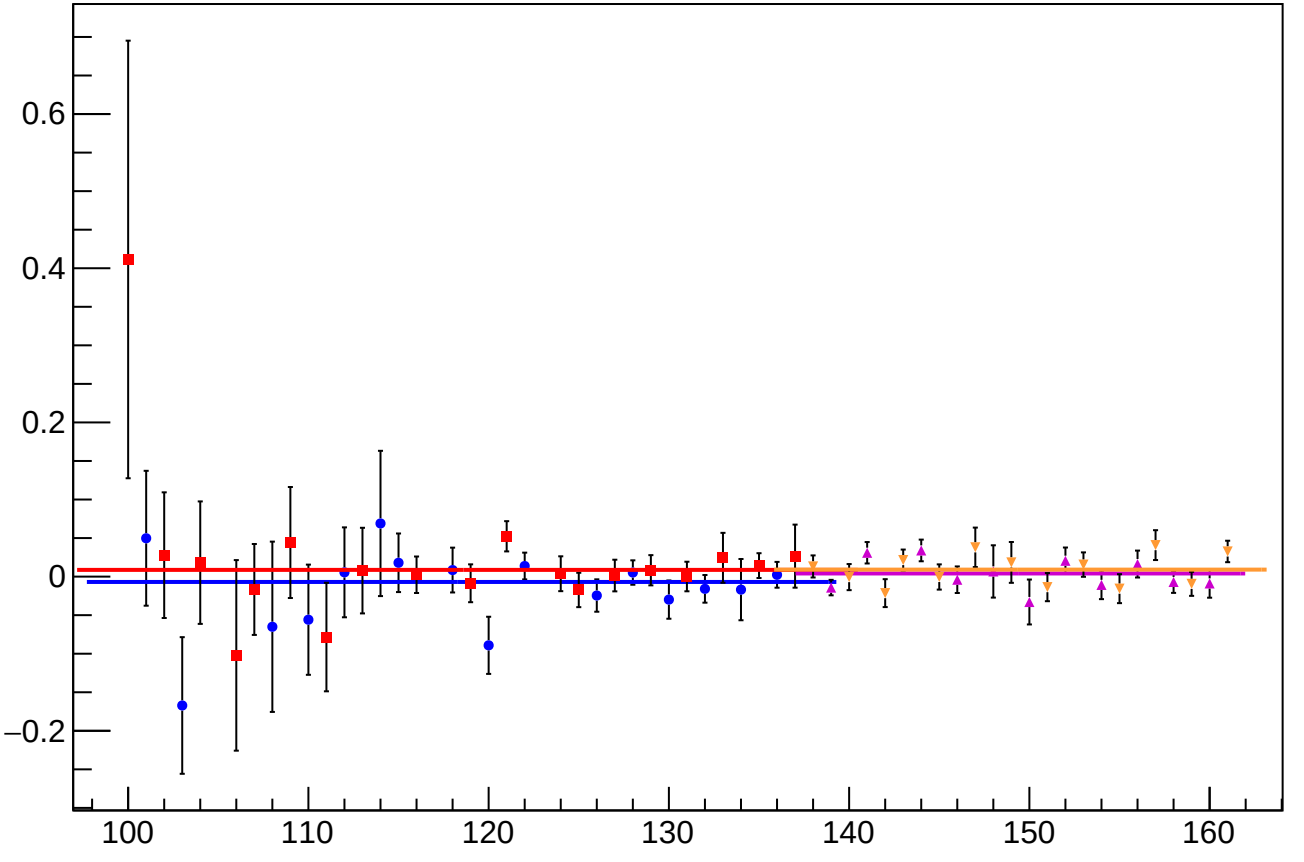
Left In: 0.000+/-0.000 χ^2/NDF:1513316.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 3759446.0/28

All: 0.000+/-0.000 χ^2/NDF: 8961027.3/58

- sign 0.000+/-0.000 χ^2/NDF: 5185910.3/29

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.009+/-0.005 χ^2/NDF:16.2/12

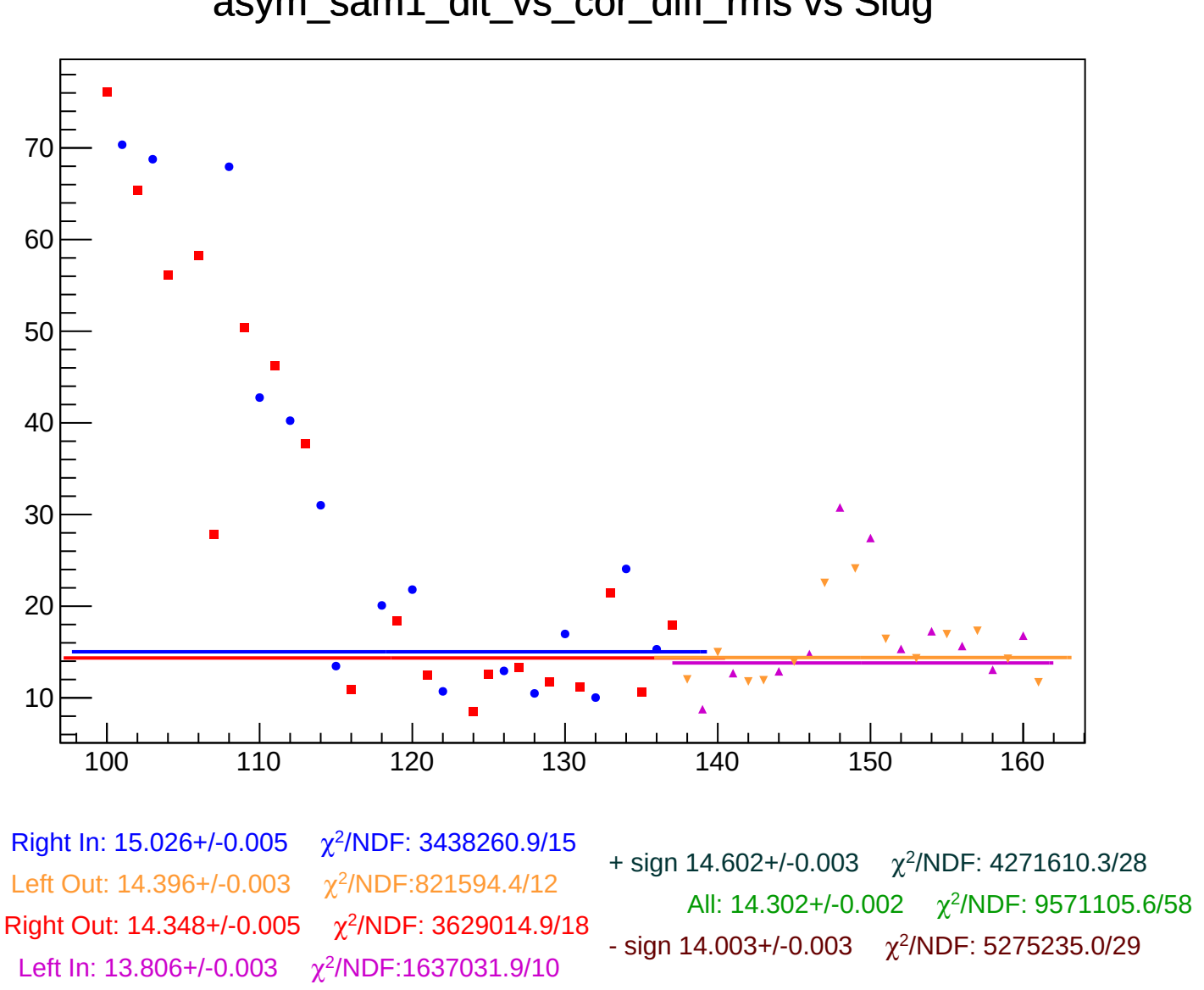
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.005 χ^2/NDF:16.6/10

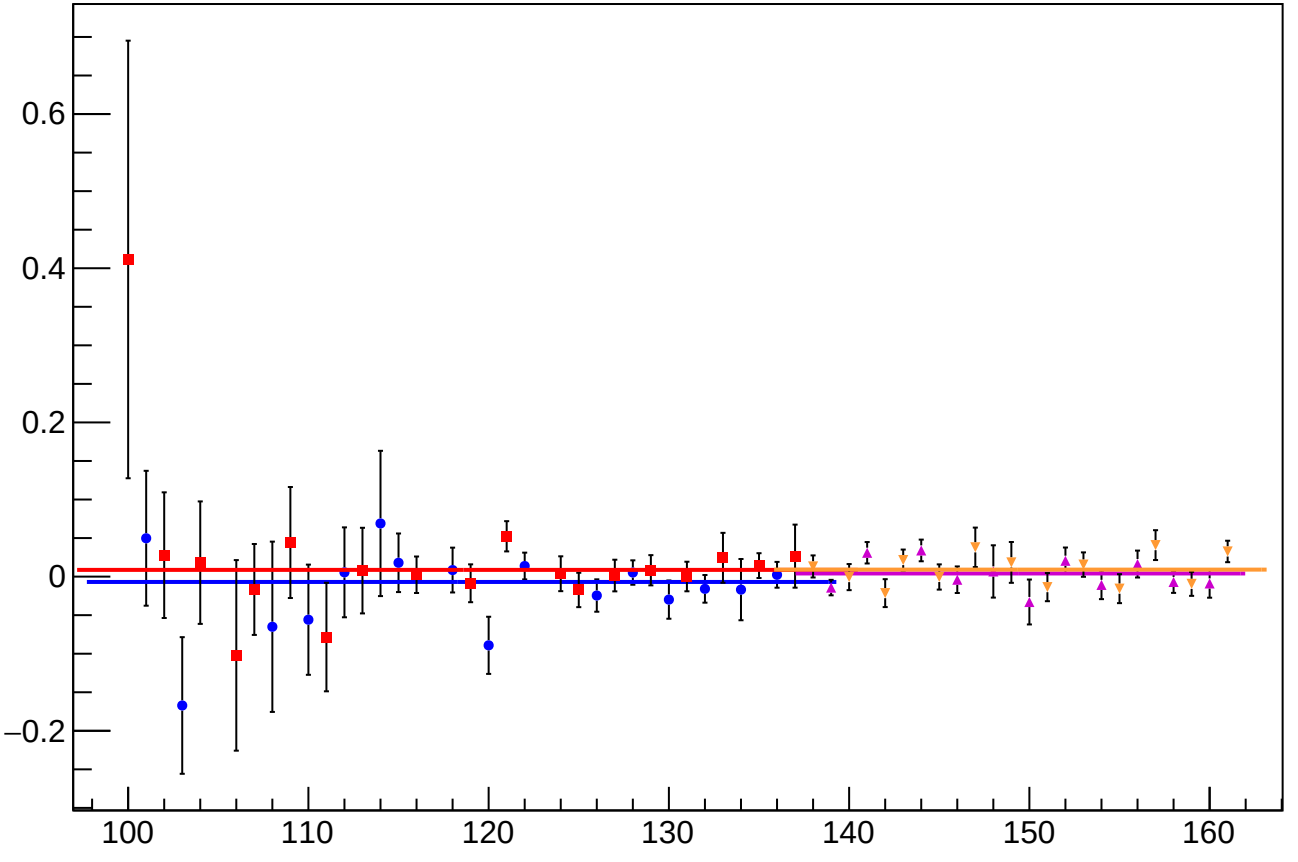
+ sign 0.004+/-0.004 χ^2/NDF: 35.0/28

All: 0.005+/-0.003 χ^2/NDF: 64.7/58

- sign 0.006+/-0.004 χ^2/NDF: 29.6/29


asym_sam1_dit_vs_cor_diff_rms vs Slug
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 15.026+/-0.005 χ²/NDF: 3438260.9/15
Left Out: 14.396+/-0.003 χ²/NDF:821594.4/12
Right Out: 14.348+/-0.005 χ²/NDF: 3629014.9/18
Left In: 13.806+/-0.003 χ²/NDF:1637031.9/10
+ sign 14.602+/-0.003 χ²/NDF: 4271610.3/28
All: 14.302+/-0.002 χ²/NDF: 9571105.6/58
- sign 14.003+/-0.003 χ²/NDF: 5275235.0/29

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.009+/-0.005 χ^2/NDF:16.2/12

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

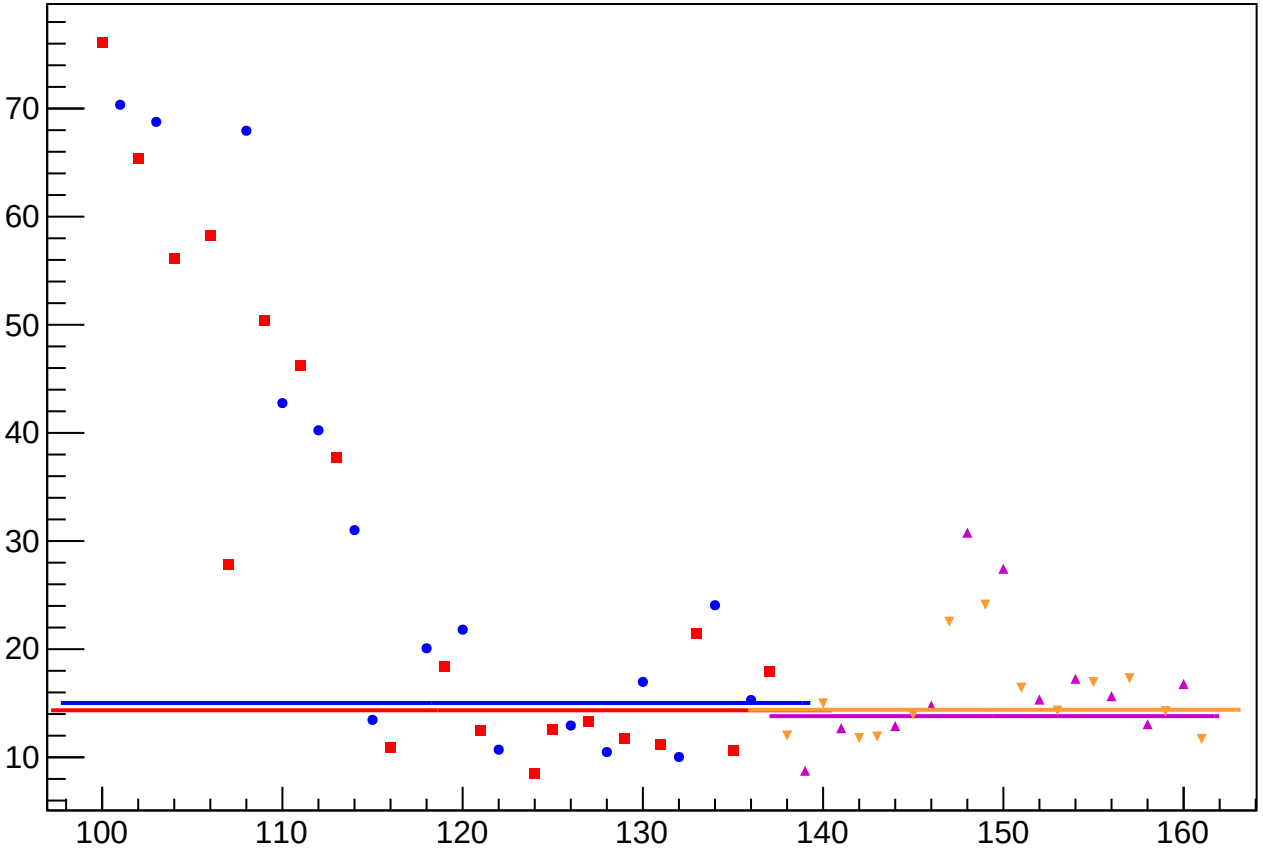
Left In: 0.004+/-0.005 χ^2/NDF:16.6/10

+ sign 0.004+/-0.004 χ^2/NDF: 35.0/28

All: 0.005+/-0.003 χ^2/NDF: 64.7/58

- sign 0.006+/-0.004 χ^2/NDF: 29.6/29

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.396+/-0.003 χ^2/NDF:821594.4/12

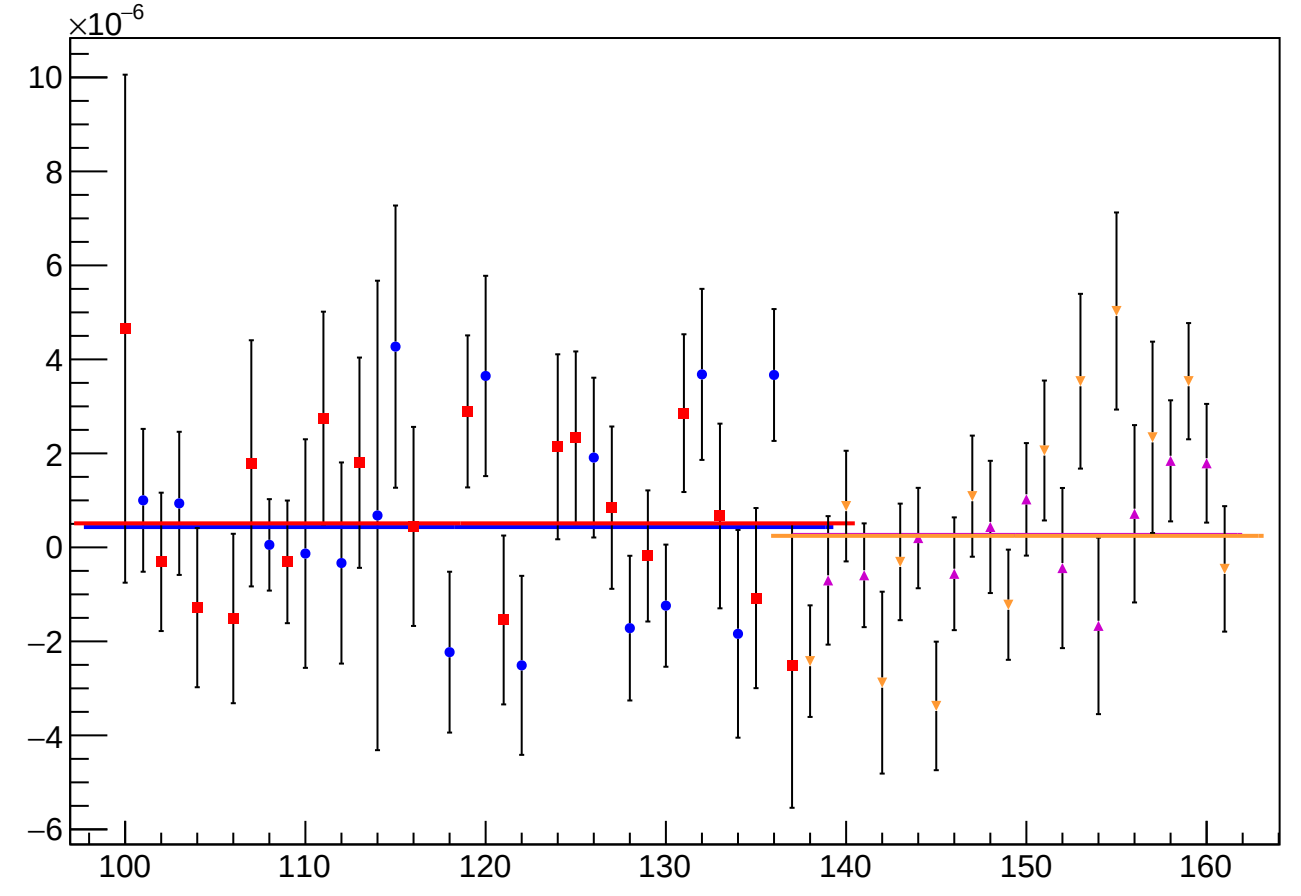
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.806+/-0.003 χ^2/NDF:1637031.9/10

+ sign 14.602+/-0.003 χ^2/NDF: 4271610.3/28

All: 14.302+/-0.002 χ^2/NDF: 9571105.6/58

- sign 14.003+/-0.003 χ^2/NDF: 5275235.0/29



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.4/12

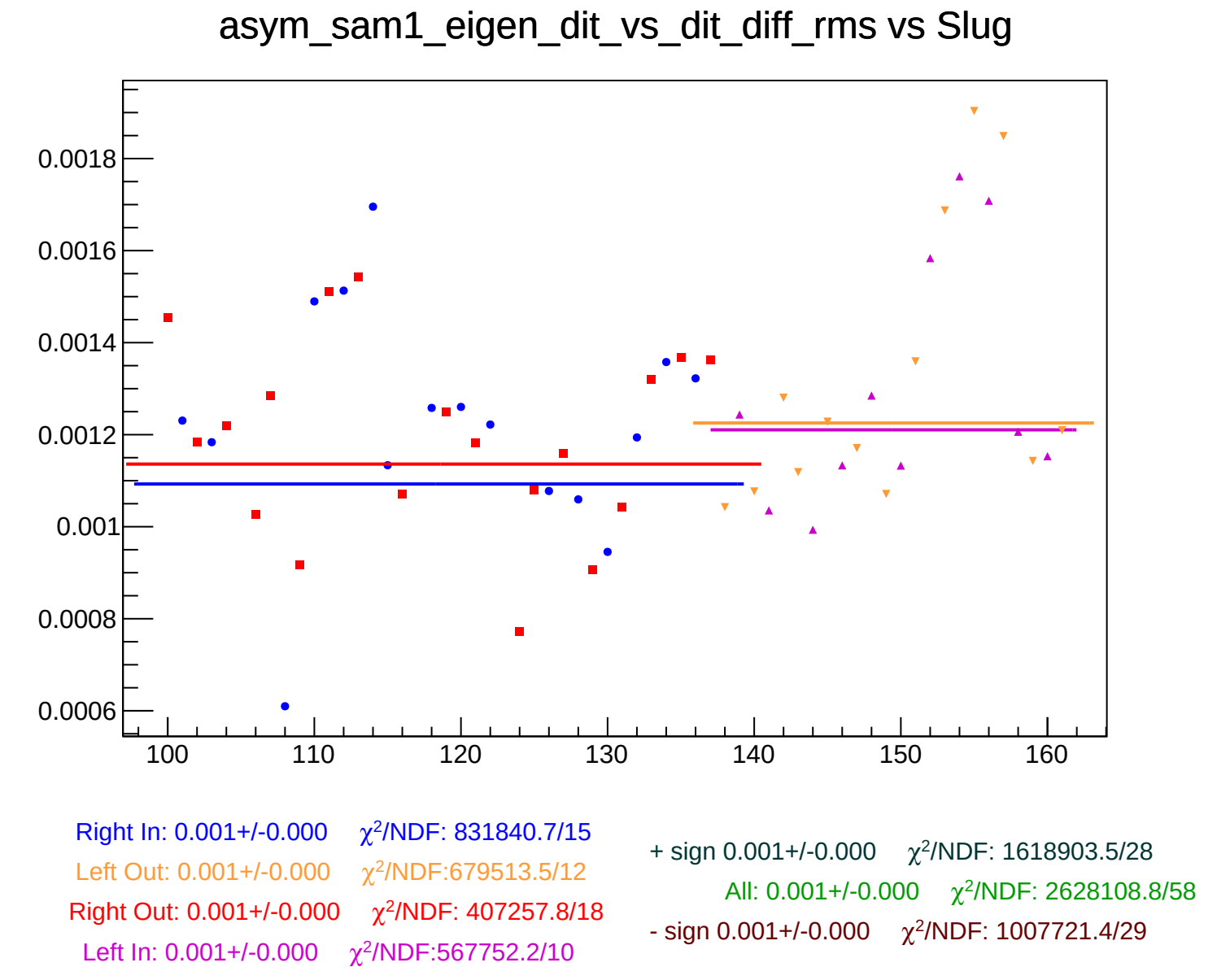
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/10

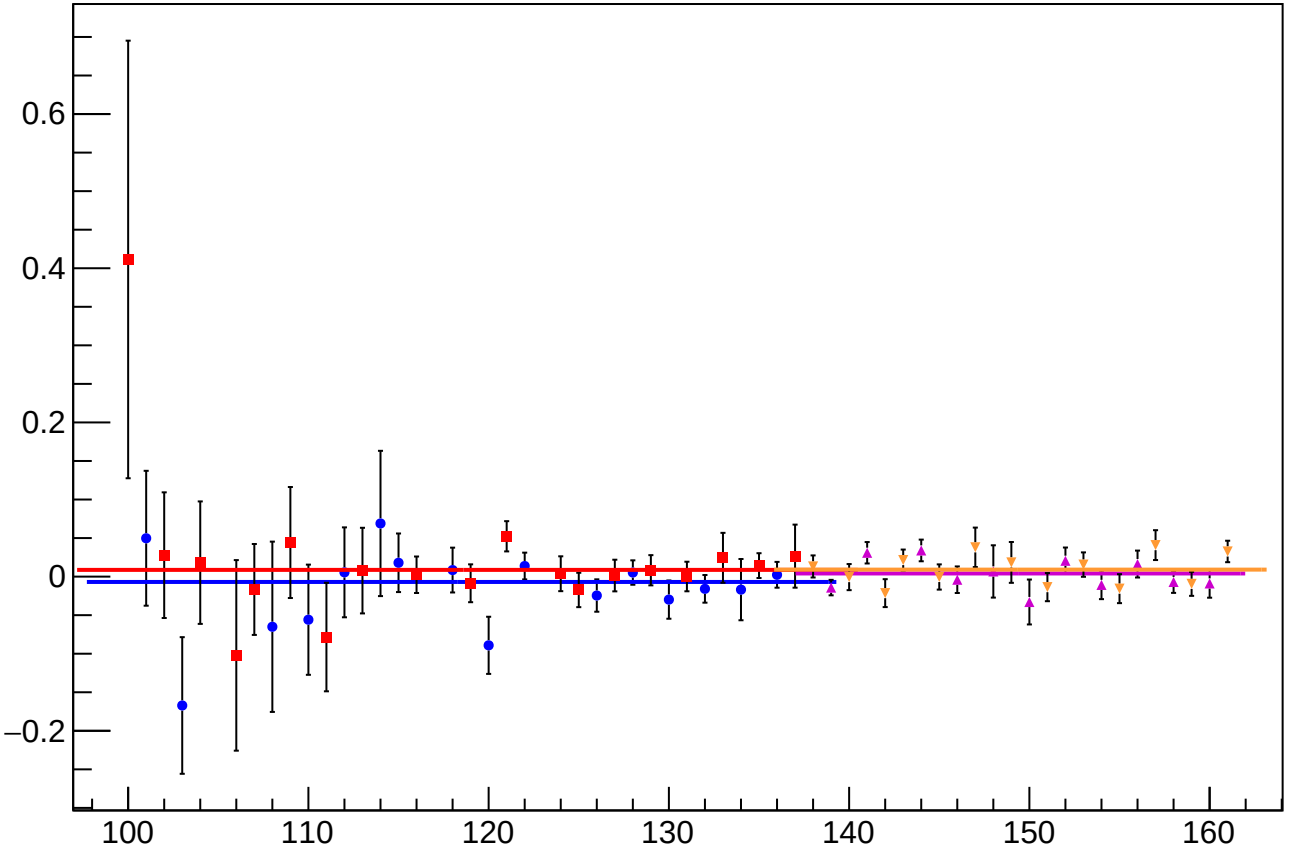
+ sign 0.000+/-0.000 χ^2/NDF: 58.7/28

All: 0.000+/-0.000 χ^2/NDF: 79.5/58

- sign 0.000+/-0.000 χ^2/NDF: 20.7/29


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
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:679513.5/12
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:567752.2/10
+ sign 0.001+/-0.000 χ²/NDF: 1618903.5/28
All: 0.001+/-0.000 χ²/NDF: 2628108.8/58
- sign 0.001+/-0.000 χ²/NDF: 1007721.4/29

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.009+/-0.005 χ^2/NDF:16.2/12

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

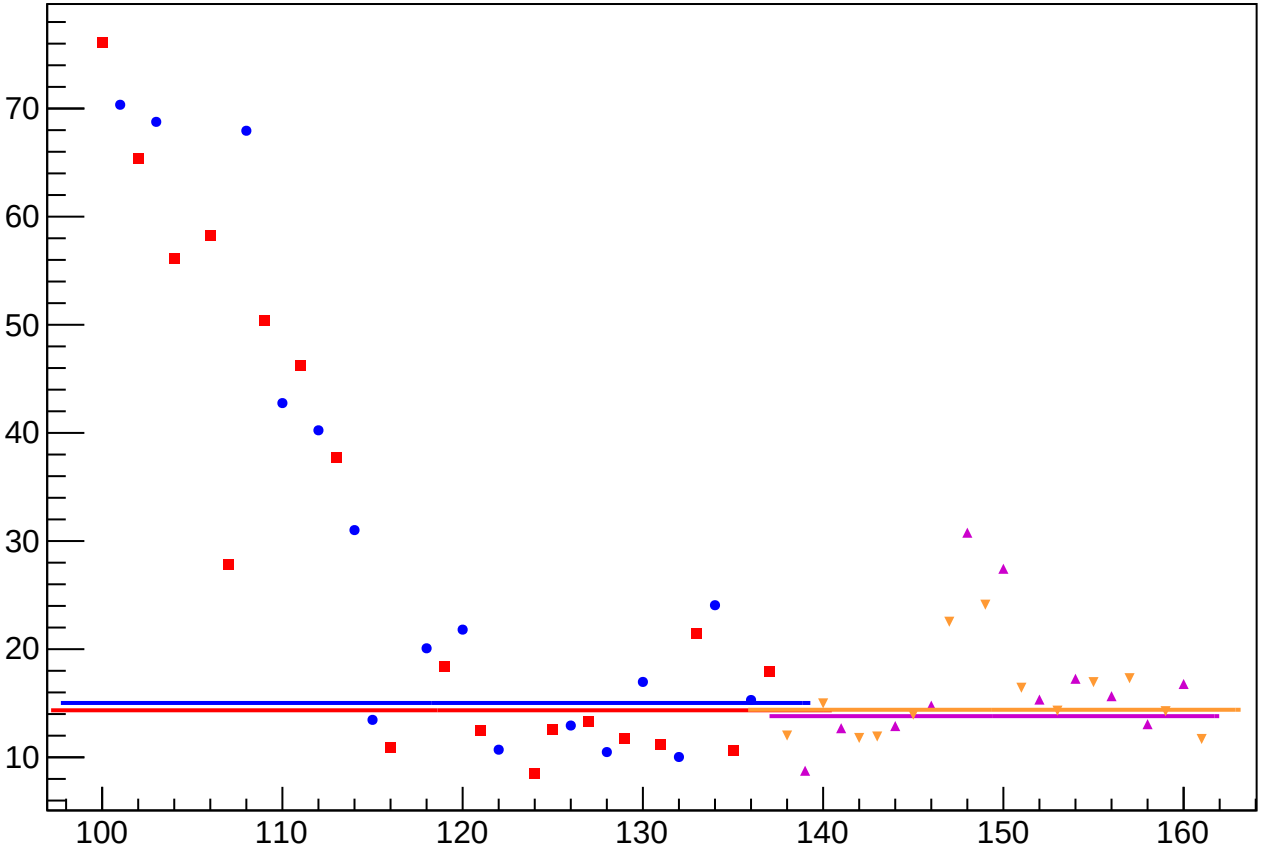
Left In: 0.004+/-0.005 χ^2/NDF:16.6/10

+ sign 0.004+/-0.004 χ^2/NDF: 35.0/28

All: 0.005+/-0.003 χ^2/NDF: 64.7/58

- sign 0.006+/-0.004 χ^2/NDF: 29.6/29

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.396+/-0.003 χ^2/NDF:821643.8/12

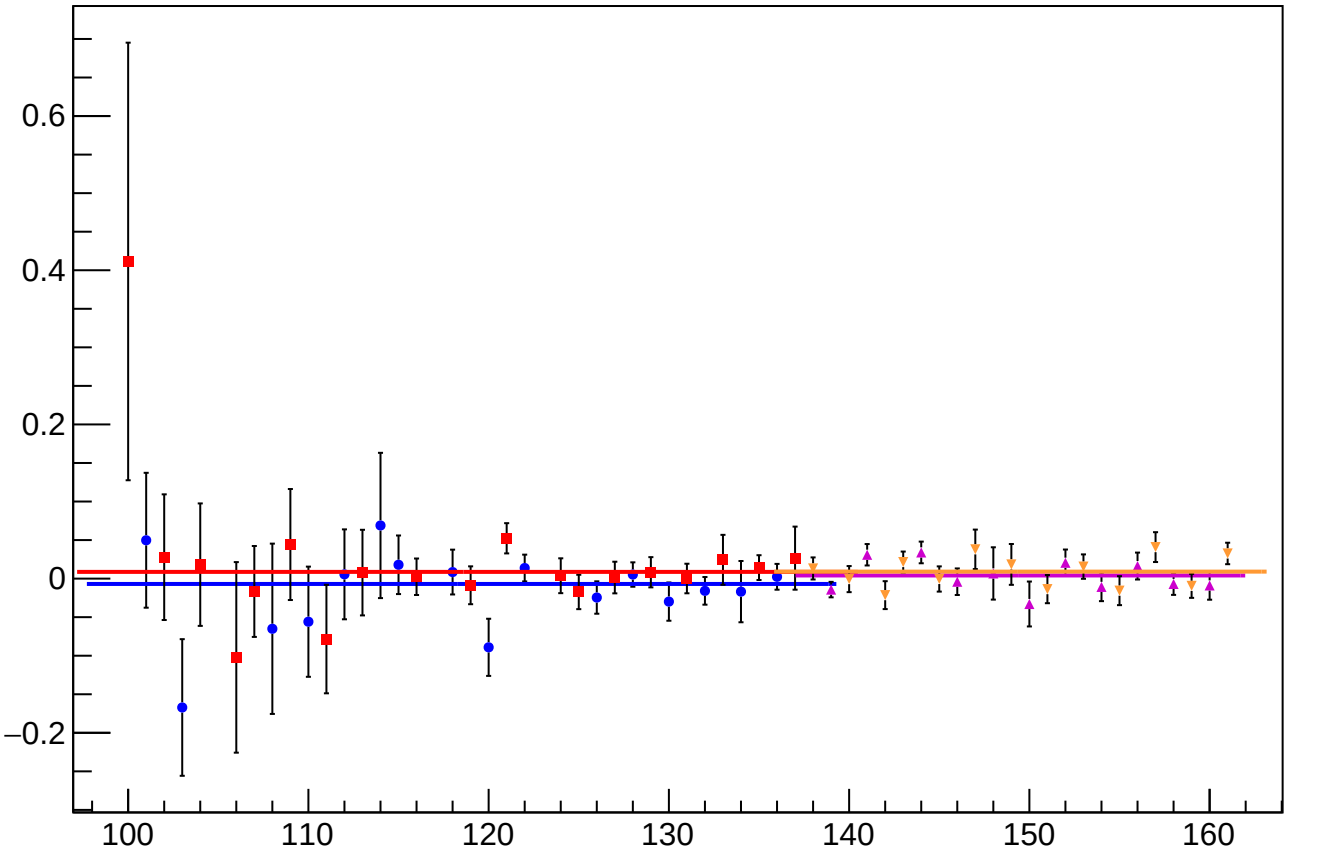
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.806+/-0.003 χ^2/NDF:1637069.8/10

+ sign 14.602+/-0.003 χ^2/NDF: 4271673.5/28

All: 14.302+/-0.002 χ^2/NDF: 9571192.9/58

- sign 14.003+/-0.003 χ^2/NDF: 5275261.5/29



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.009+/-0.005 χ^2/NDF:16.2/12

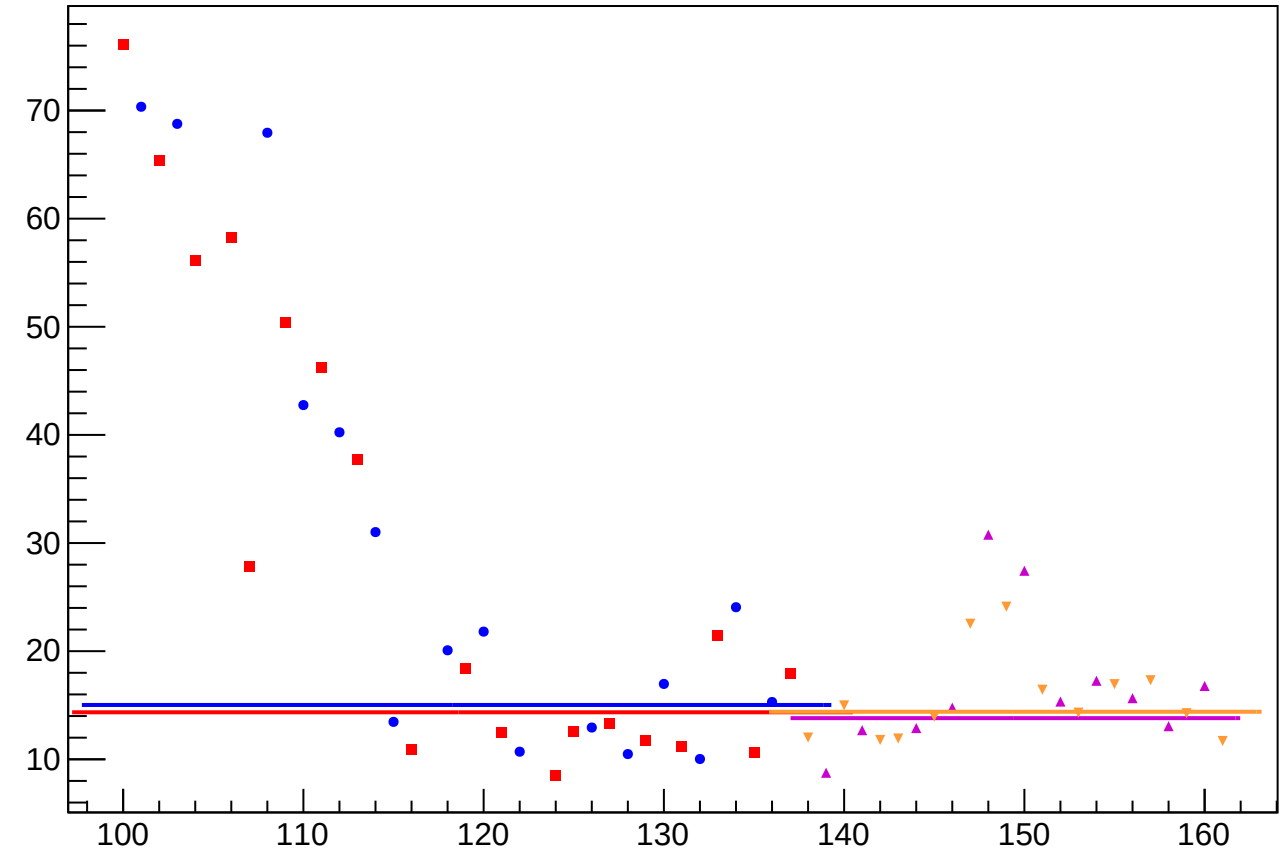
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.005 χ^2/NDF:16.6/10

+ sign 0.004+/-0.004 χ^2/NDF: 35.0/28

All: 0.005+/-0.003 χ^2/NDF: 64.7/58

- sign 0.006+/-0.004 χ^2/NDF: 29.6/29



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.396+/-0.003 χ^2/NDF:821643.8/12

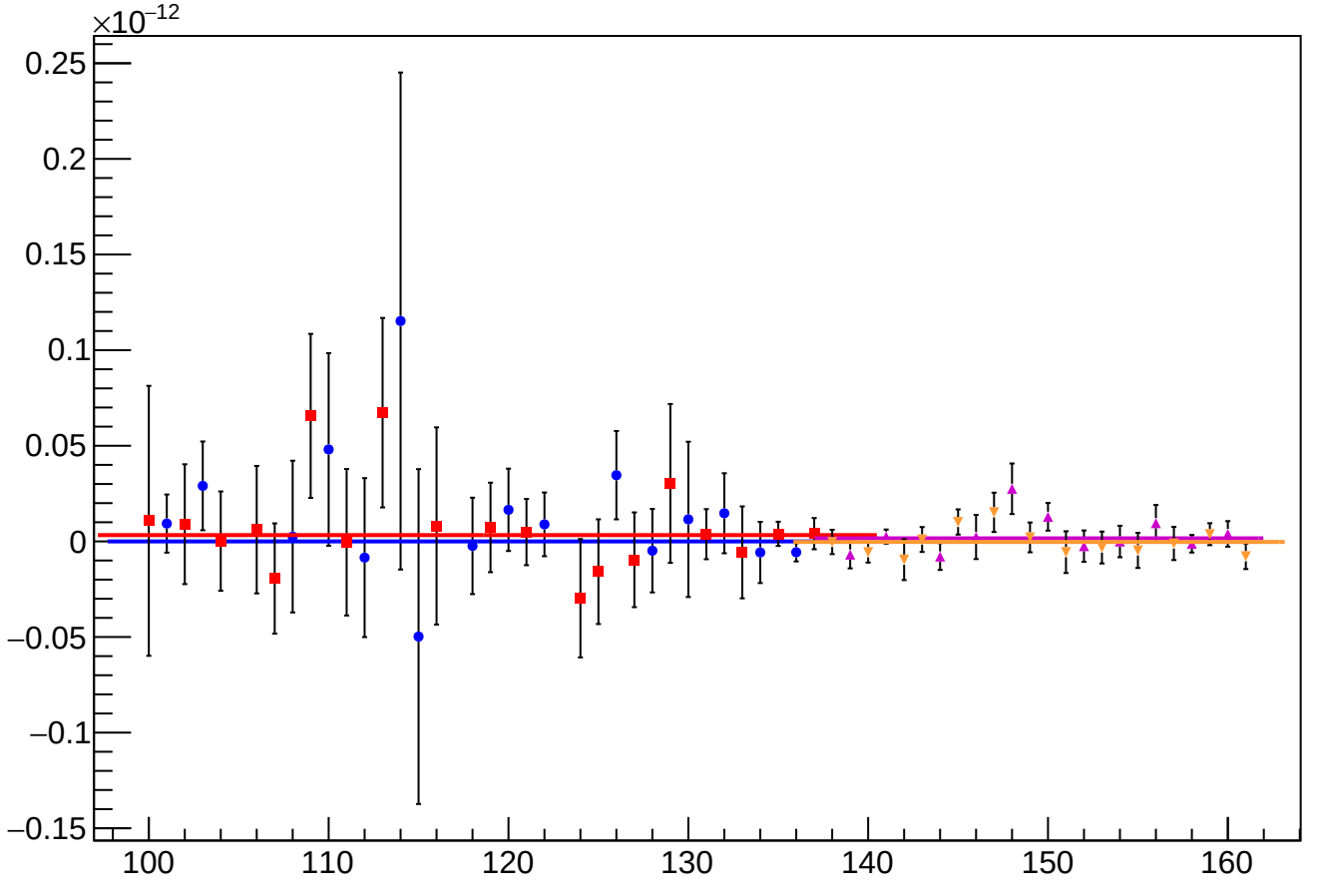
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.806+/-0.003 χ^2/NDF:1637069.8/10

+ sign 14.602+/-0.003 χ^2/NDF: 4271673.5/28

All: 14.302+/-0.002 χ^2/NDF: 9571192.9/58

- sign 14.003+/-0.003 χ^2/NDF: 5275261.5/29



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.0/12

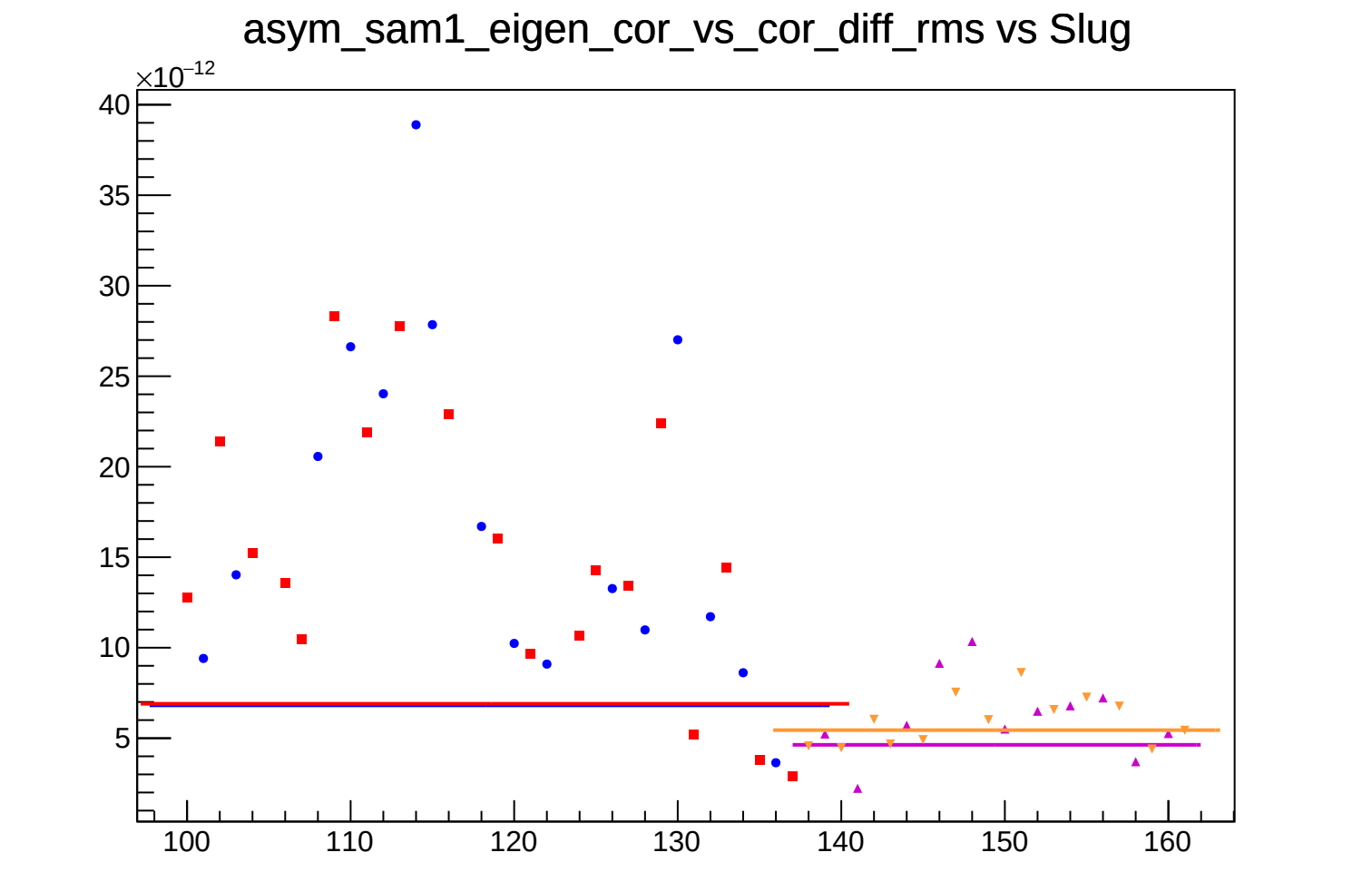
Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/10

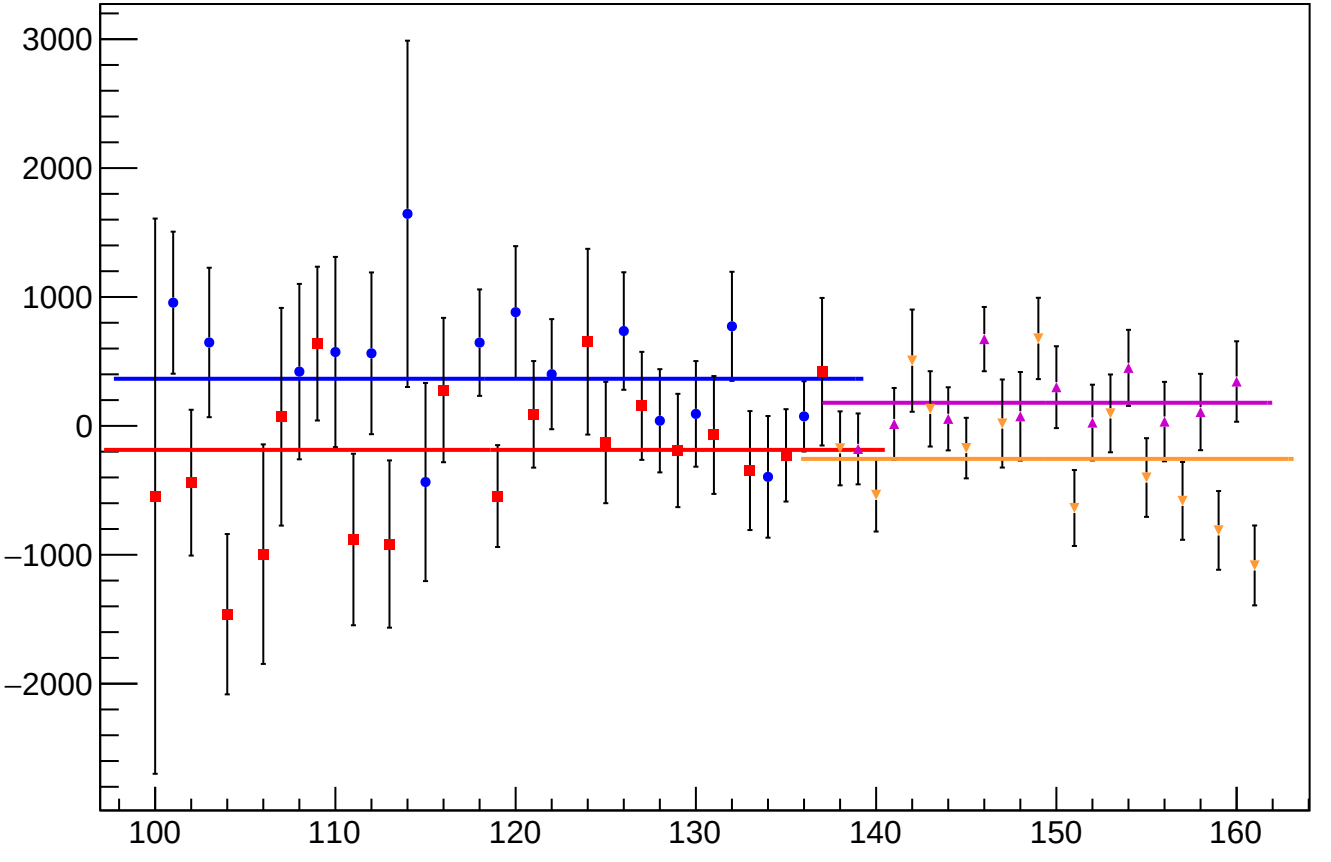
+ sign -0.000+/-0.000 χ^2/NDF: 18.3/28

All: 0.000+/-0.000 χ^2/NDF: 37.2/58

- sign 0.000+/-0.000 χ^2/NDF: 18.2/29


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
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:642116.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2097681.5/10
+ sign 0.000+/-0.000 χ²/NDF: 4356663.4/28
All: 0.000+/-0.000 χ²/NDF: 11361593.1/58
- sign 0.000+/-0.000 χ²/NDF: 6866544.6/29

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -256.037+/-83.142 χ^2/NDF:30.9/12

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

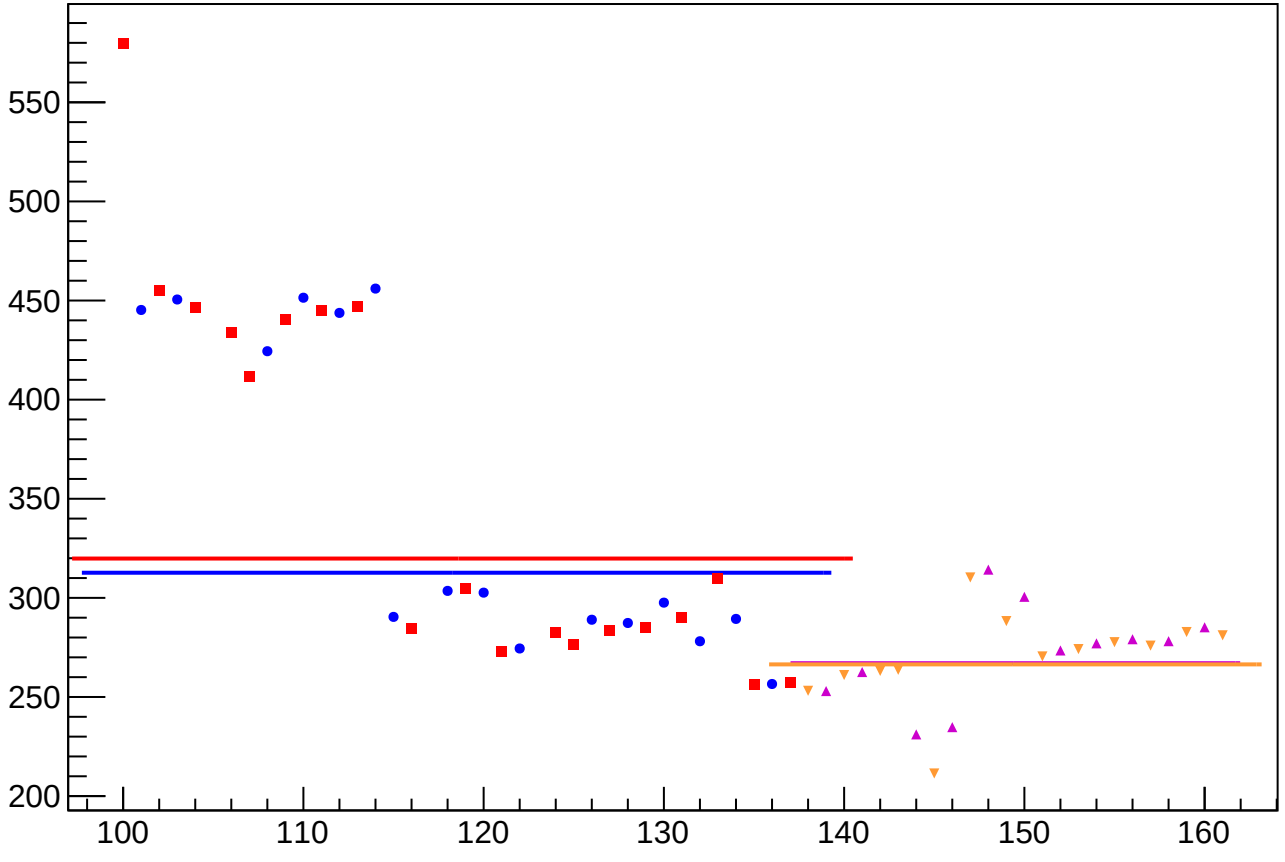
Left In: 179.403+/-86.892 χ^2/NDF:8.1/10

+ sign -51.854+/-68.131 χ^2/NDF: 60.7/28

All: -0.709+/-48.964 χ^2/NDF: 91.1/58

- sign 53.925+/-70.416 χ^2/NDF: 29.2/29

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 266.443+/-0.059 χ^2/NDF:174230.4/12

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

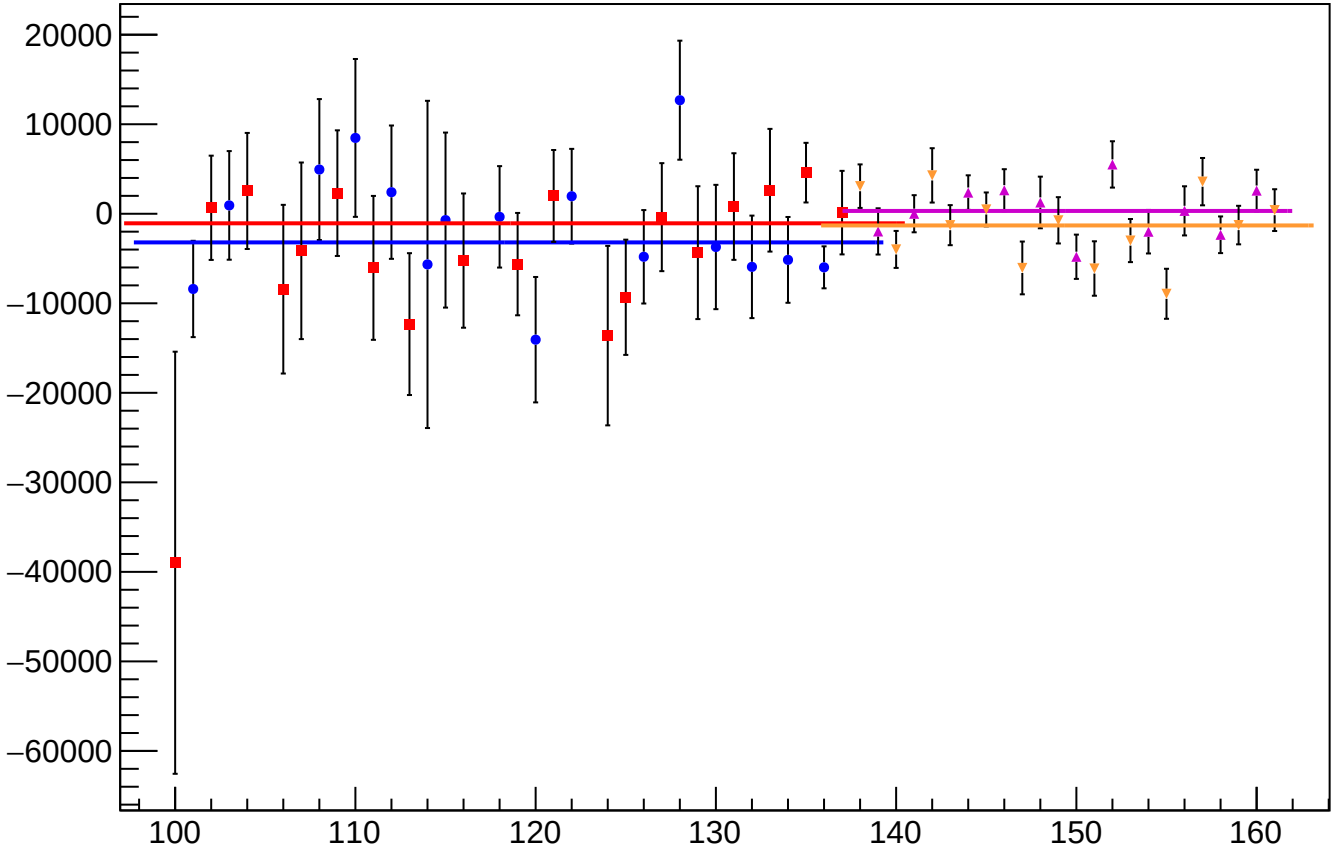
Left In: 267.055+/-0.061 χ^2/NDF:158144.1/10

+ sign 281.632+/-0.048 χ^2/NDF: 979649.1/28

All: 283.345+/-0.035 χ^2/NDF: 2091644.9/58

- sign 285.174+/-0.050 χ^2/NDF: 1109382.4/29

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1304.684+/-673.240 χ^2/NDF:26.3/12

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

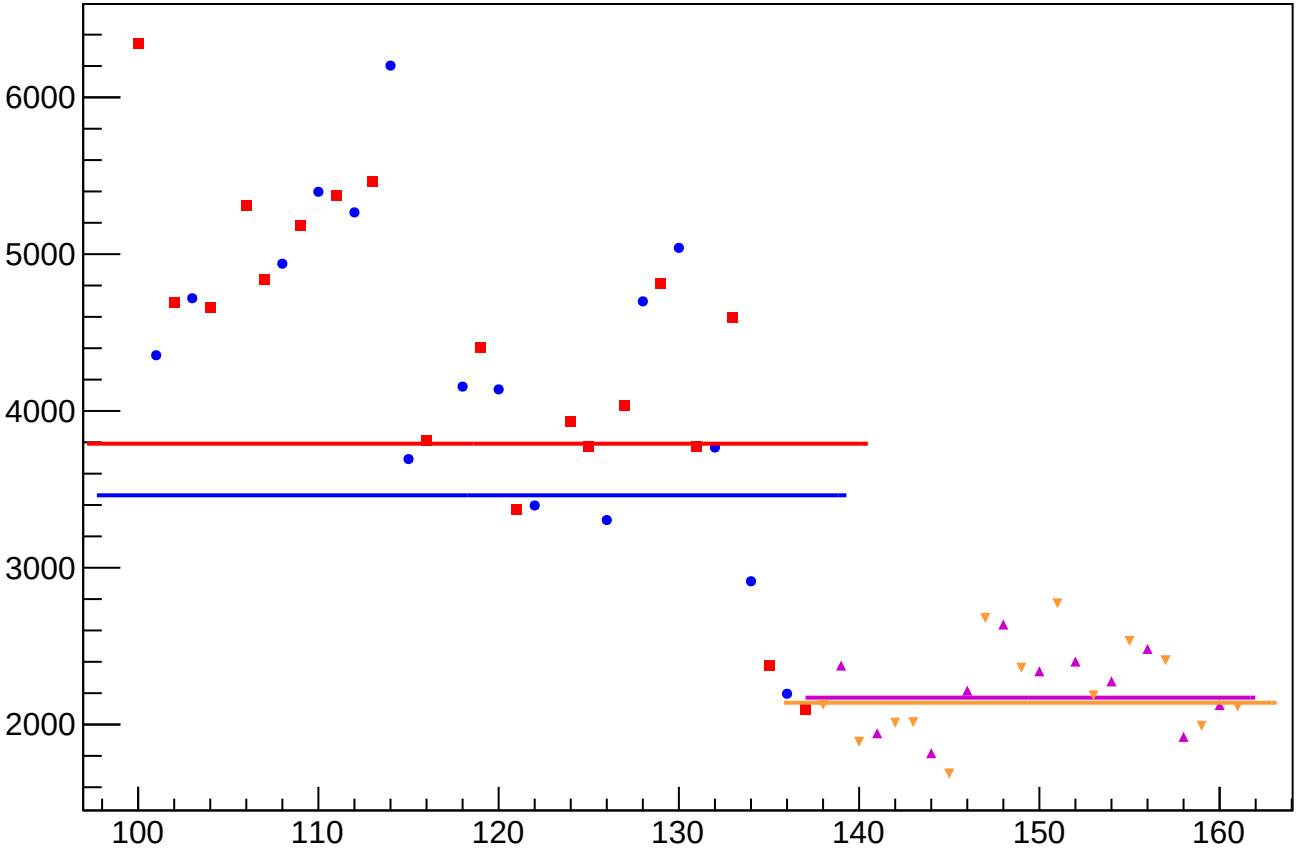
Left In: 314.915+/-708.859 χ^2/NDF:14.9/10

+ sign -1680.214+/-602.816 χ^2/NDF: 44.0/28

All: -863.403+/-437.602 χ^2/NDF: 77.8/58

- sign 46.569+/-636.265 χ^2/NDF: 30.0/29

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2138.922+/-0.476 χ^2/NDF:392729.0/12

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

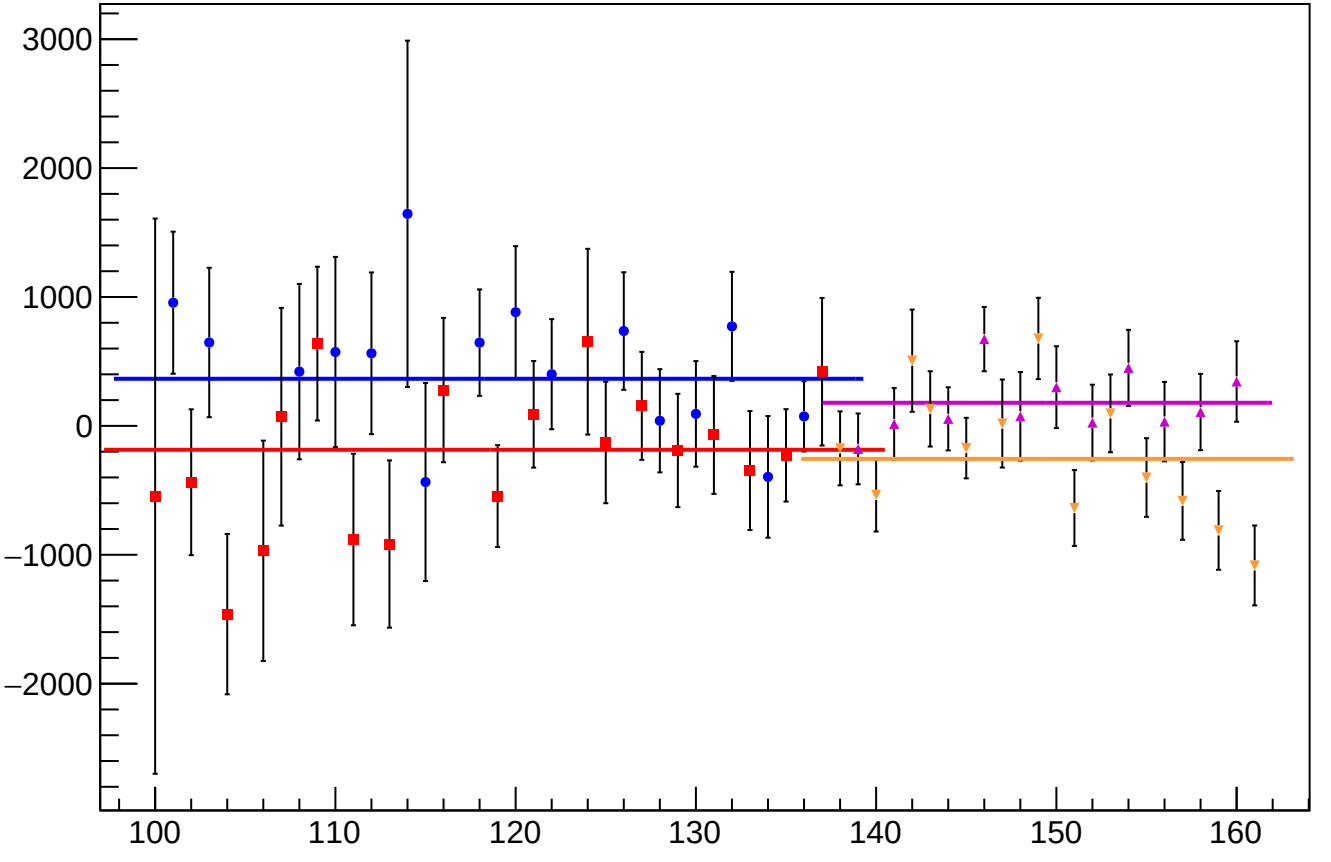
Left In: 2171.291+/-0.501 χ^2/NDF:241984.7/10

+ sign 2401.231+/-0.426 χ^2/NDF: 3233625.3/28

All: 2441.373+/-0.309 χ^2/NDF: 6679861.7/58

- sign 2486.094+/-0.450 χ^2/NDF: 3427487.2/29

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -256.022+/-83.142 χ^2/NDF:30.9/12

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

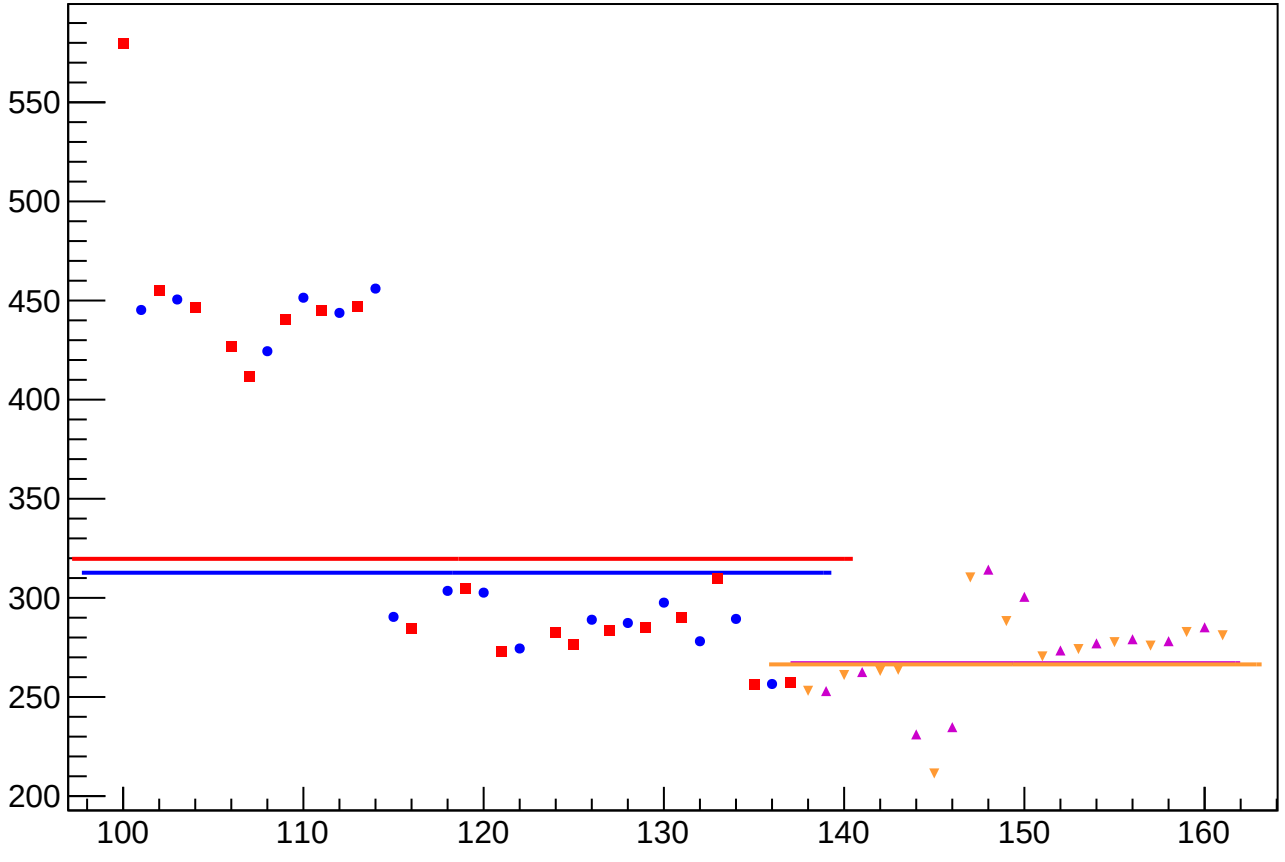
Left In: 179.407+/-86.892 χ^2/NDF:8.1/10

+ sign -51.850+/-68.131 χ^2/NDF: 60.7/28

All: -0.565+/-48.965 χ^2/NDF: 91.0/58

- sign 54.221+/-70.419 χ^2/NDF: 29.1/29

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 266.443+/-0.059 χ^2/NDF:174230.4/12

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

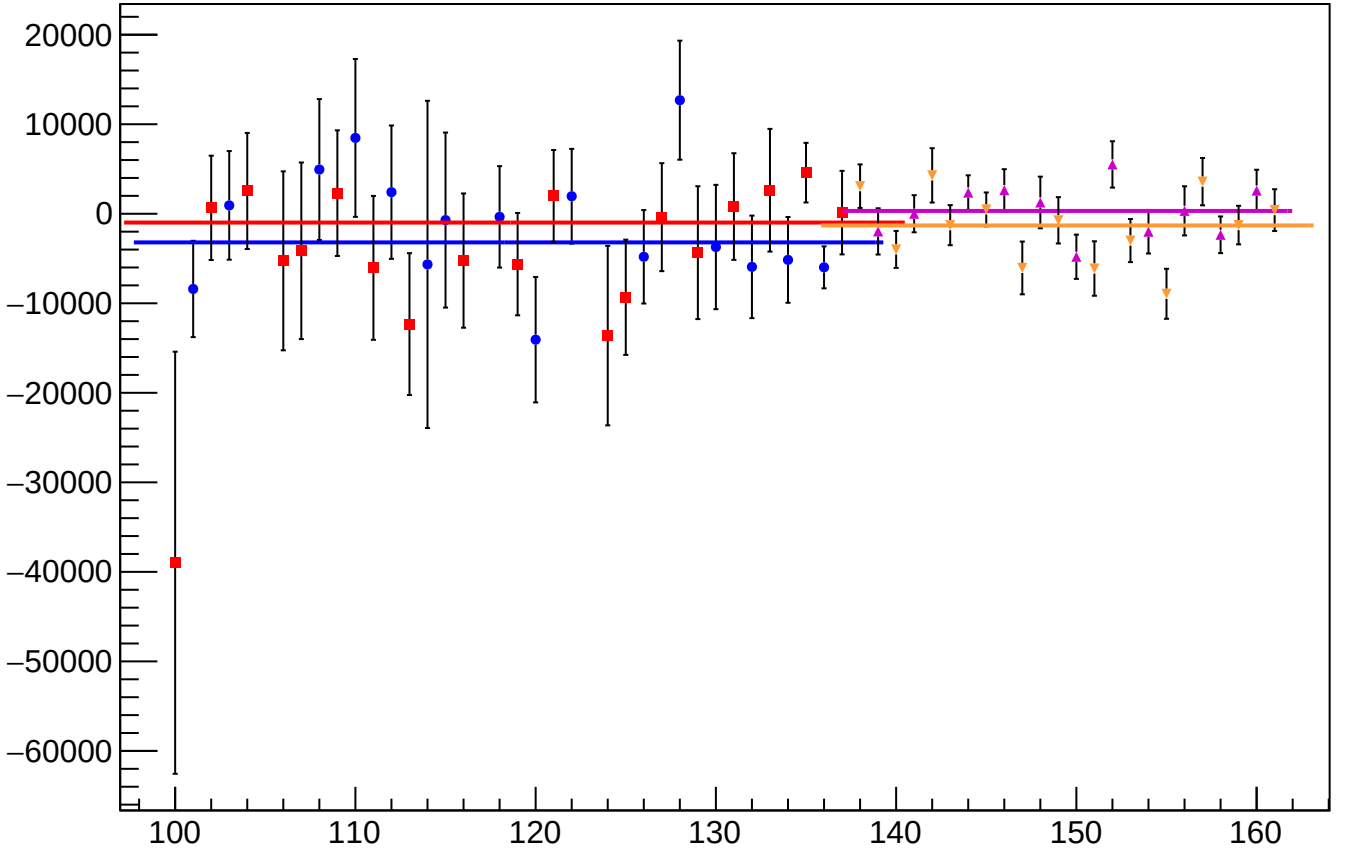
Left In: 267.055+/-0.061 χ^2/NDF:158144.1/10

+ sign 281.632+/-0.048 χ^2/NDF: 979650.6/28

All: 283.319+/-0.035 χ^2/NDF: 2085954.0/58

- sign 285.121+/-0.050 χ^2/NDF: 1103767.8/29

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1304.668+/-673.240 χ^2/NDF:26.3/12

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

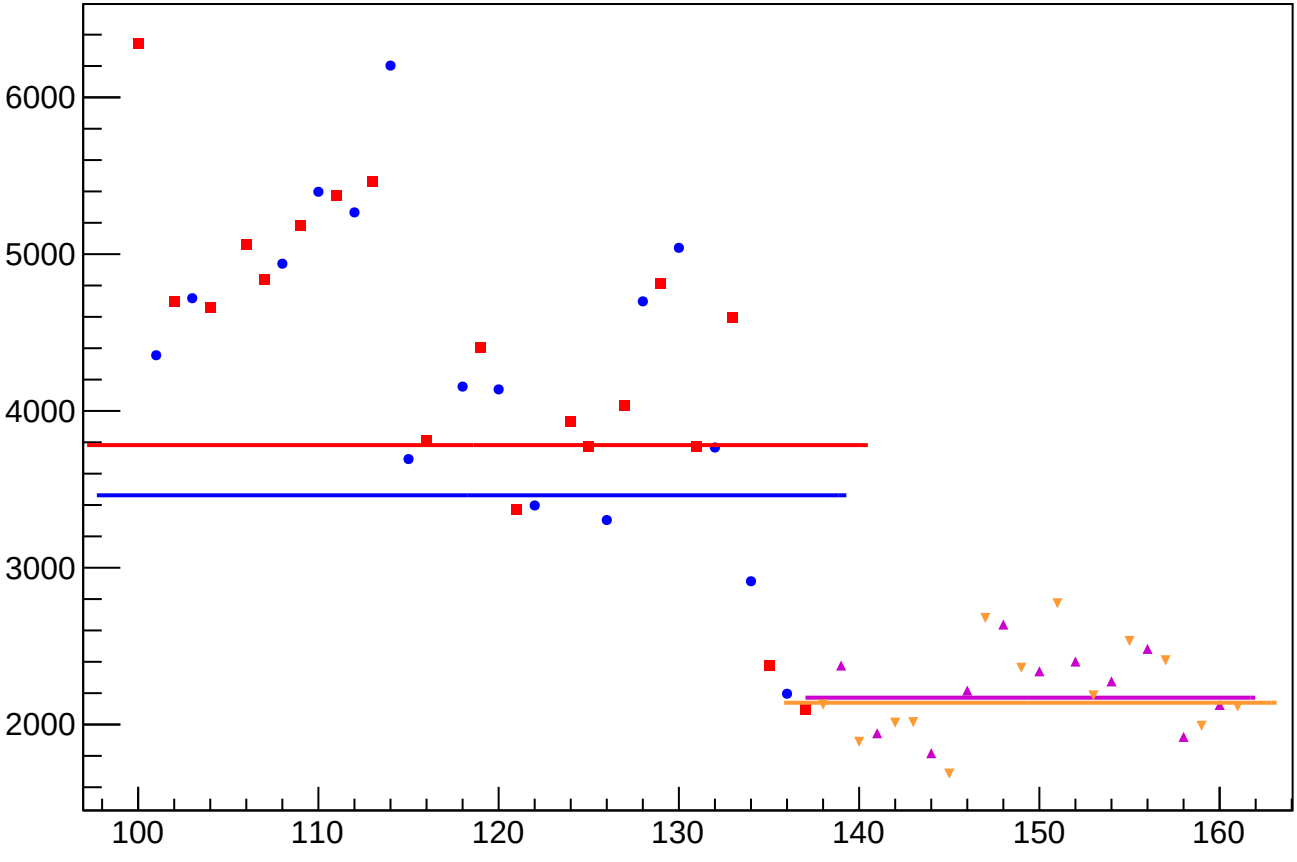
Left In: 314.901+/-708.859 χ^2/NDF:14.9/10

+ sign -1680.186+/-602.816 χ^2/NDF: 44.0/28

All: -855.548+/-437.656 χ^2/NDF: 77.4/58

- sign 63.621+/-636.431 χ^2/NDF: 29.5/29

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2138.922+/-0.476 χ^2/NDF:392730.0/12

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

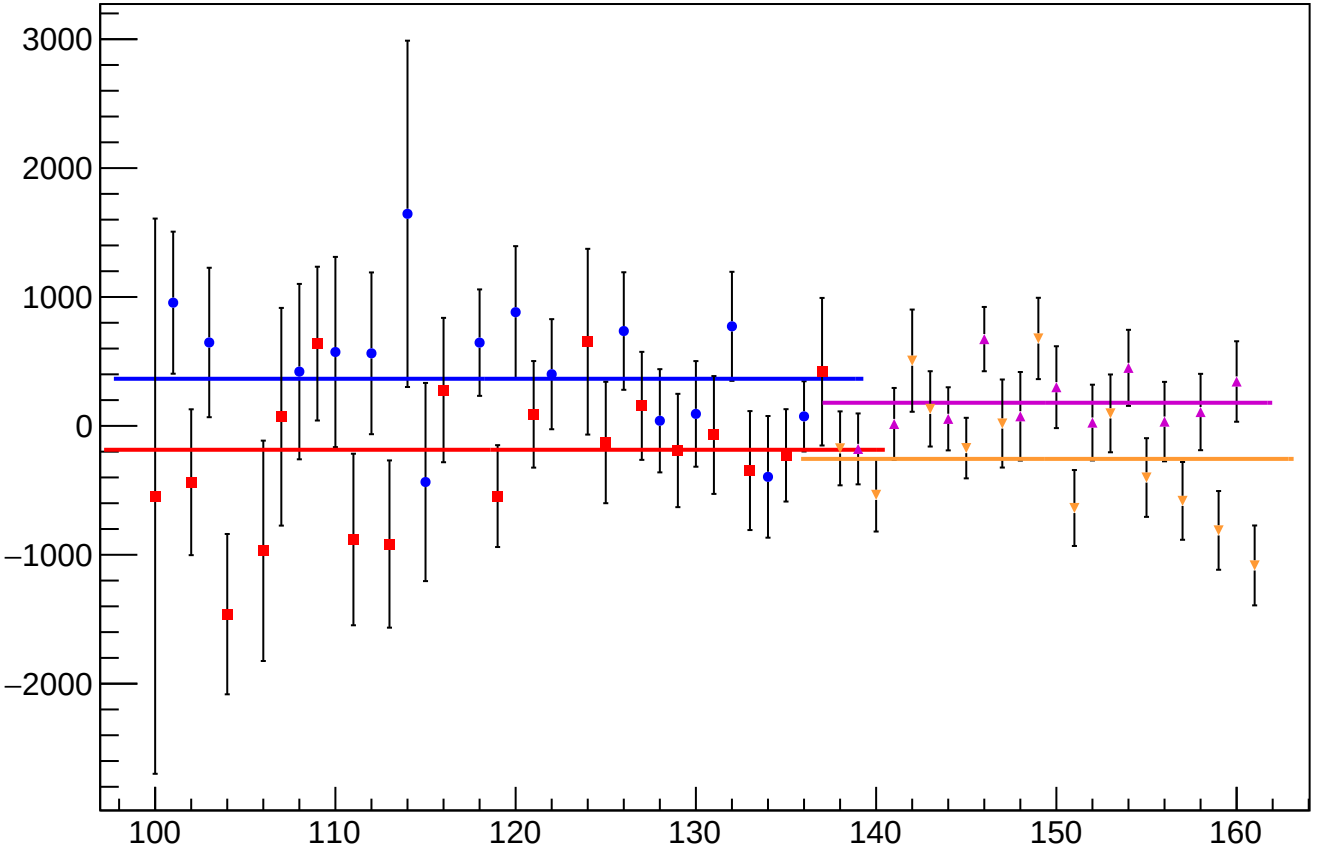
Left In: 2171.292+/-0.501 χ^2/NDF:241984.7/10

+ sign 2401.231+/-0.426 χ^2/NDF: 3233646.9/28

All: 2440.213+/-0.309 χ^2/NDF: 6632498.1/58

- sign 2483.663+/-0.450 χ^2/NDF: 3381165.7/29

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -256.022+/-83.142 χ^2/NDF:30.9/12

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

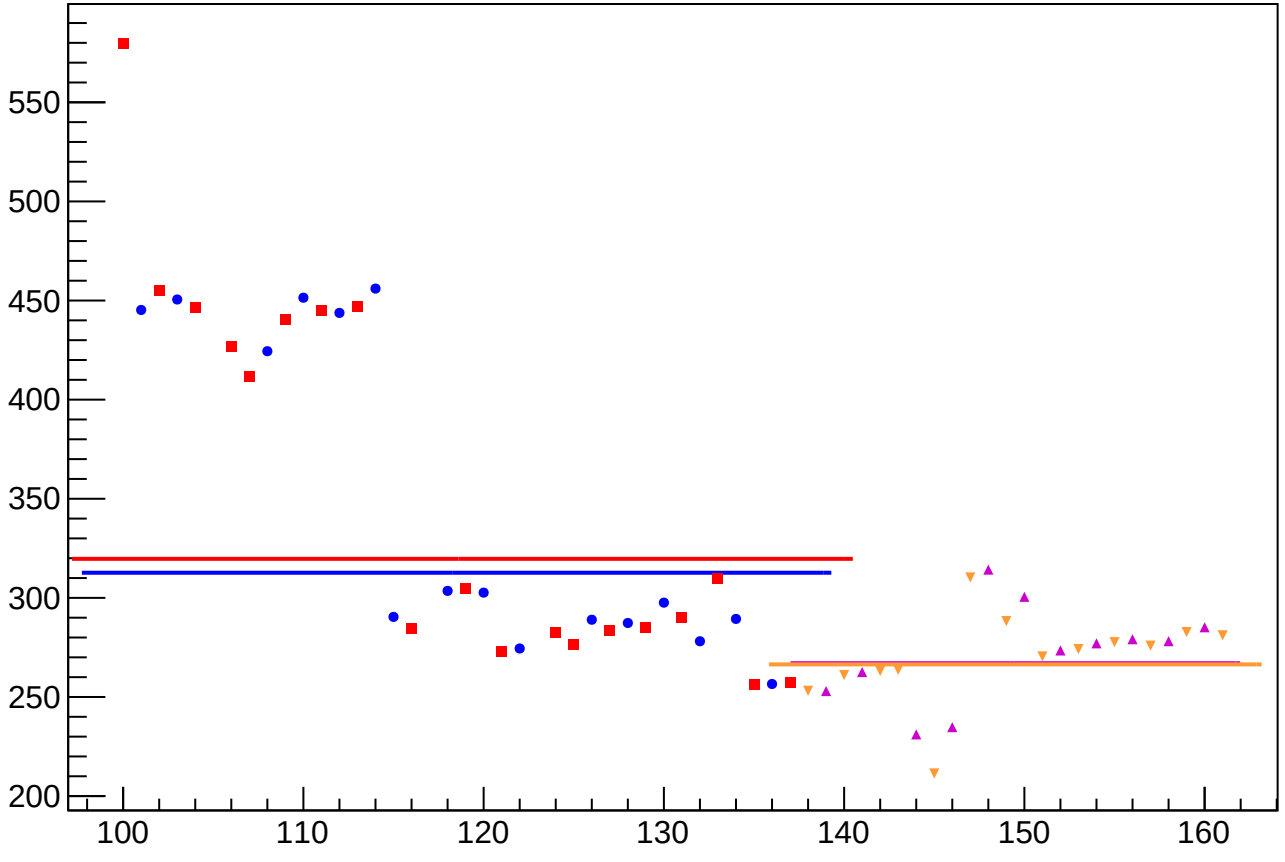
Left In: 179.407+/-86.892 χ^2/NDF:8.1/10

+ sign -51.850+/-68.131 χ^2/NDF: 60.7/28

All: -0.565+/-48.965 χ^2/NDF: 91.0/58

- sign 54.221+/-70.419 χ^2/NDF: 29.1/29

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 266.443+/-0.059 χ^2/NDF:174230.4/12

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

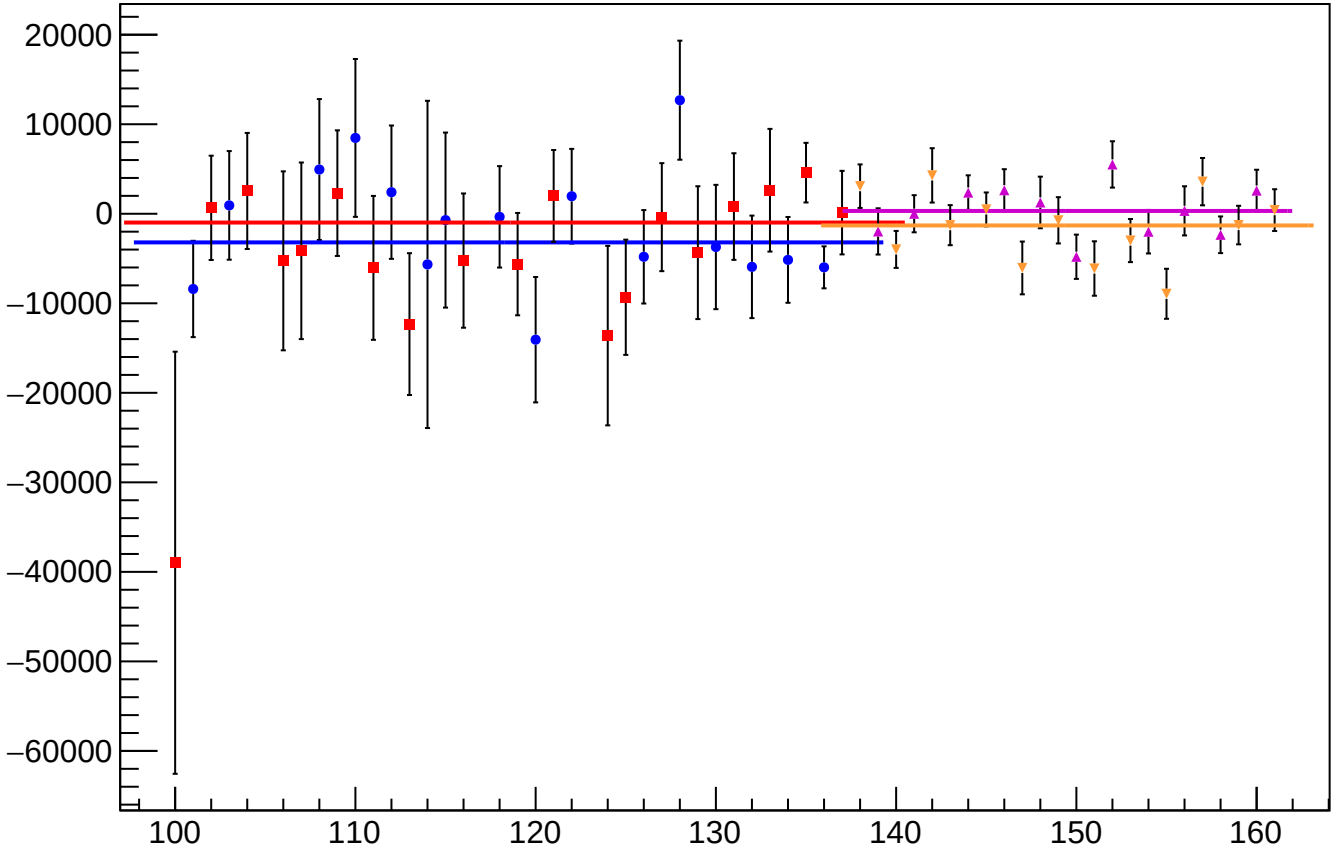
Left In: 267.055+/-0.061 χ^2/NDF:158144.1/10

+ sign 281.632+/-0.048 χ^2/NDF: 979650.6/28

All: 283.319+/-0.035 χ^2/NDF: 2085954.0/58

- sign 285.121+/-0.050 χ^2/NDF: 1103767.8/29

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1304.668+/-673.240 χ^2/NDF:26.3/12

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

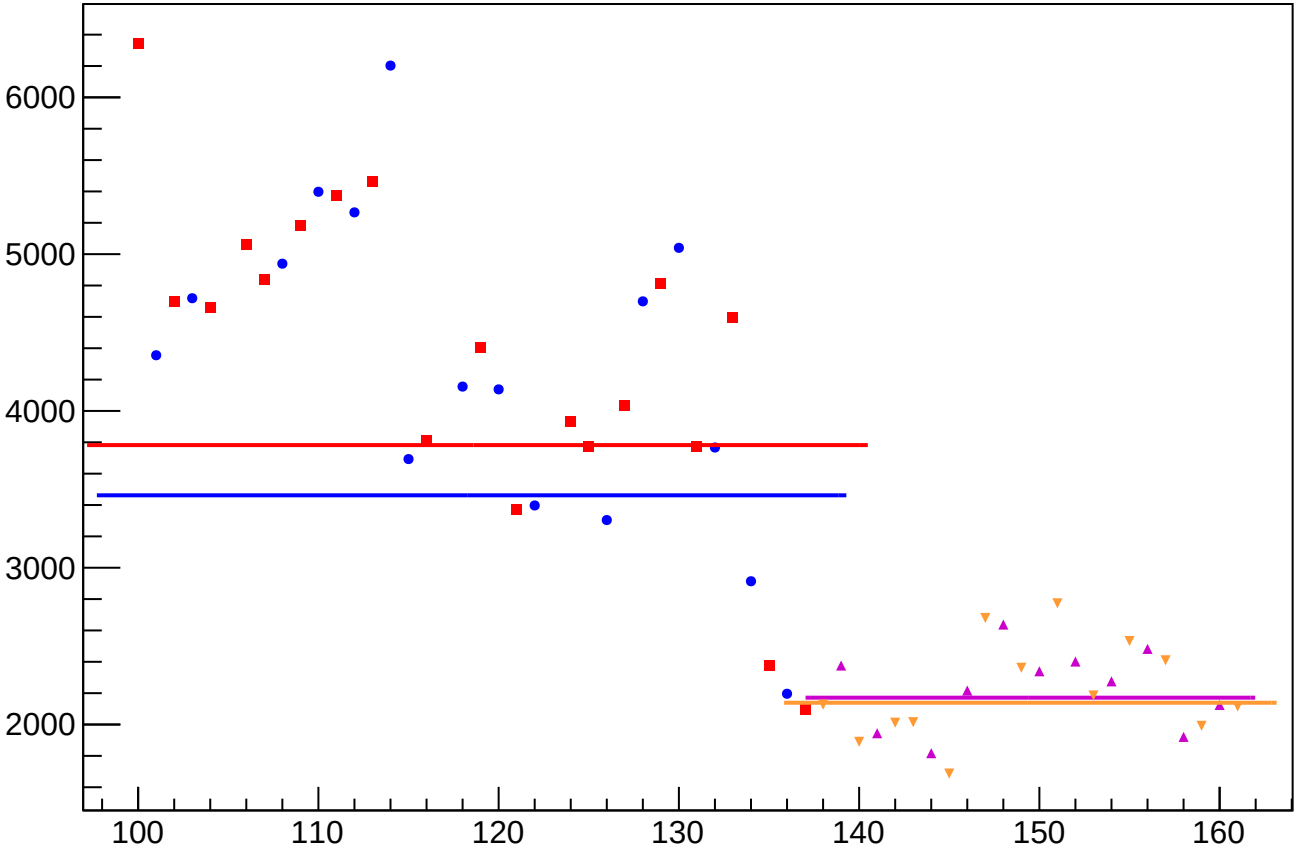
Left In: 314.901+/-708.859 χ^2/NDF:14.9/10

+ sign -1680.186+/-602.816 χ^2/NDF: 44.0/28

All: -855.548+/-437.656 χ^2/NDF: 77.4/58

- sign 63.621+/-636.431 χ^2/NDF: 29.5/29

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2138.922+/-0.476 χ^2/NDF:392730.0/12

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

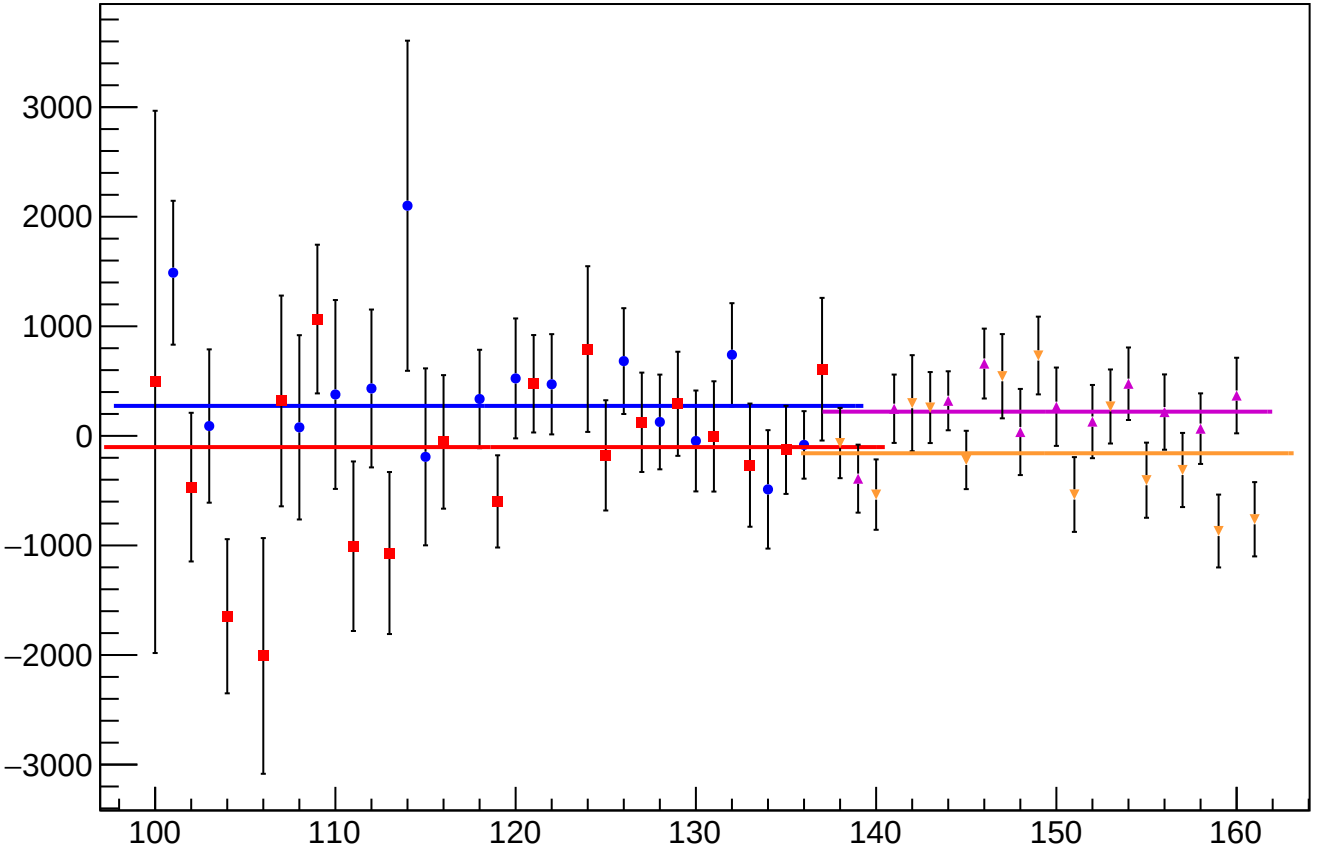
Left In: 2171.292+/-0.501 χ^2/NDF:241984.7/10

+ sign 2401.231+/-0.426 χ^2/NDF: 3233646.9/28

All: 2440.213+/-0.309 χ^2/NDF: 6632498.1/58

- sign 2483.663+/-0.450 χ^2/NDF: 3381165.7/29

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -158.691+/-93.124 χ^2/NDF:25.2/12

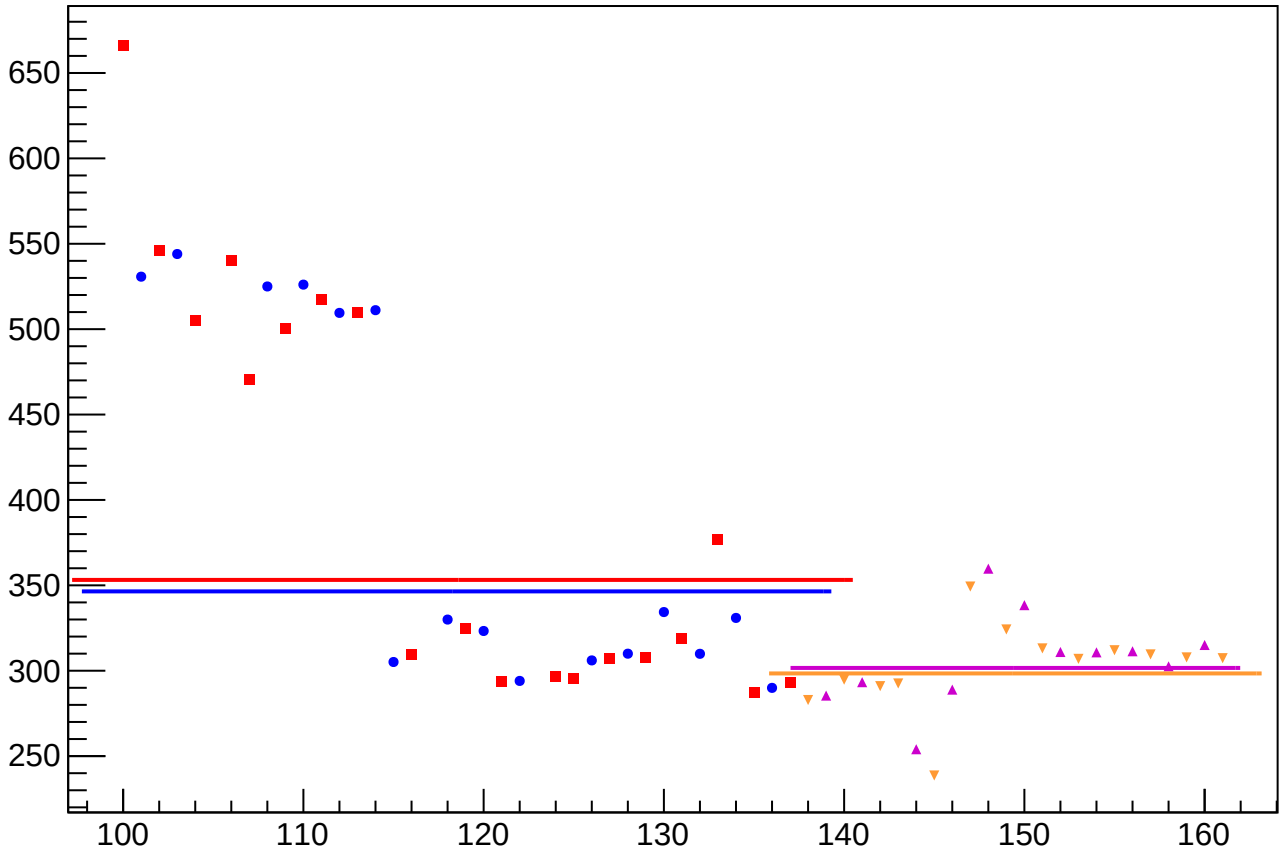
Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: 220.870+/-98.448 χ^2/NDF:7.2/10

+ sign -15.820+/-76.196 χ^2/NDF: 43.7/28

All: 43.233+/-54.929 χ^2/NDF: 77.3/58

- sign 107.124+/-79.256 χ^2/NDF: 32.3/29



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 298.414+/-0.066 χ^2/NDF:165839.4/12

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

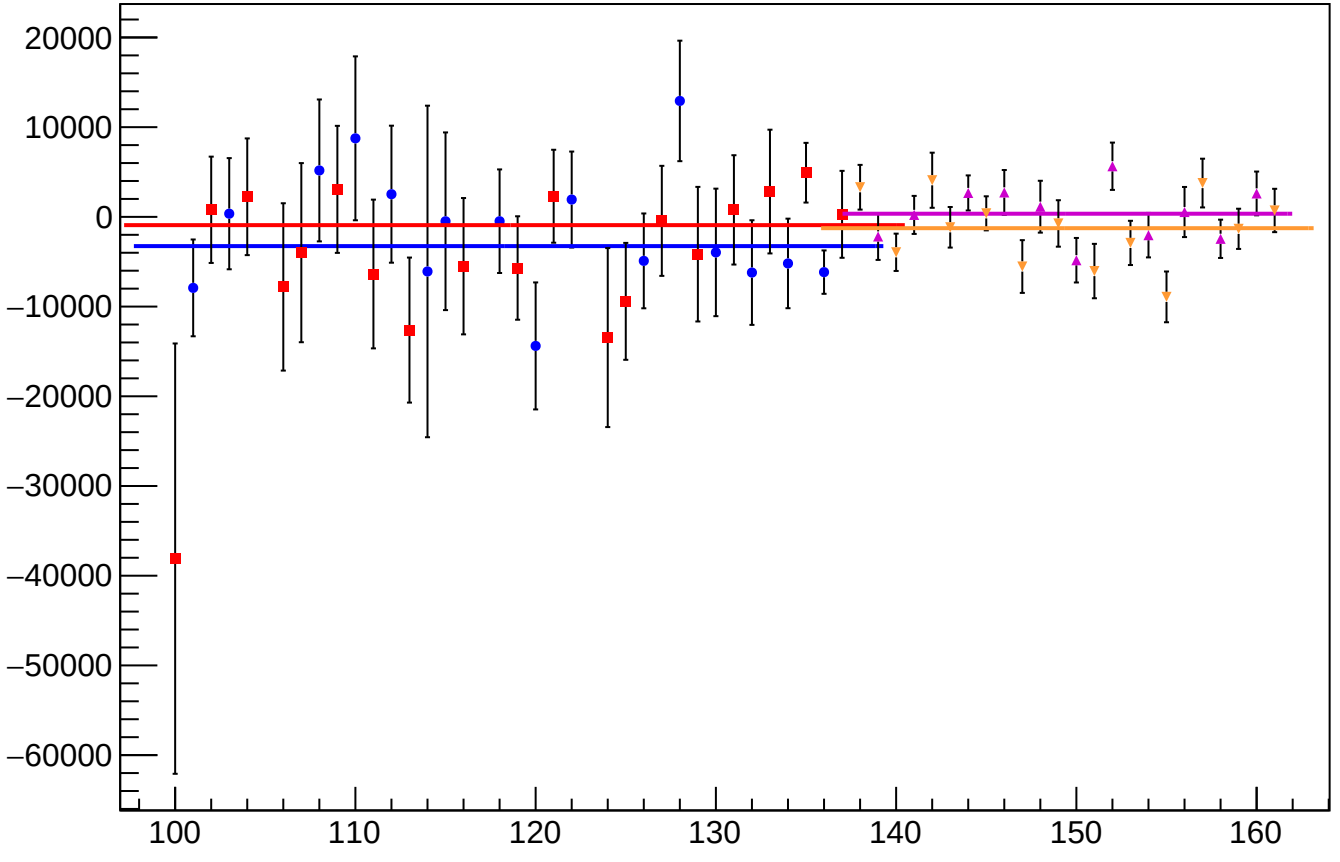
Left In: 301.637+/-0.070 χ^2/NDF:145166.5/10

+ sign 314.292+/-0.054 χ^2/NDF: 1110525.6/28

All: 316.925+/-0.039 χ^2/NDF: 2319922.4/58

- sign 319.774+/-0.056 χ^2/NDF: 1204424.1/29

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1260.571+/-683.653 χ^2/NDF:25.3/12

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

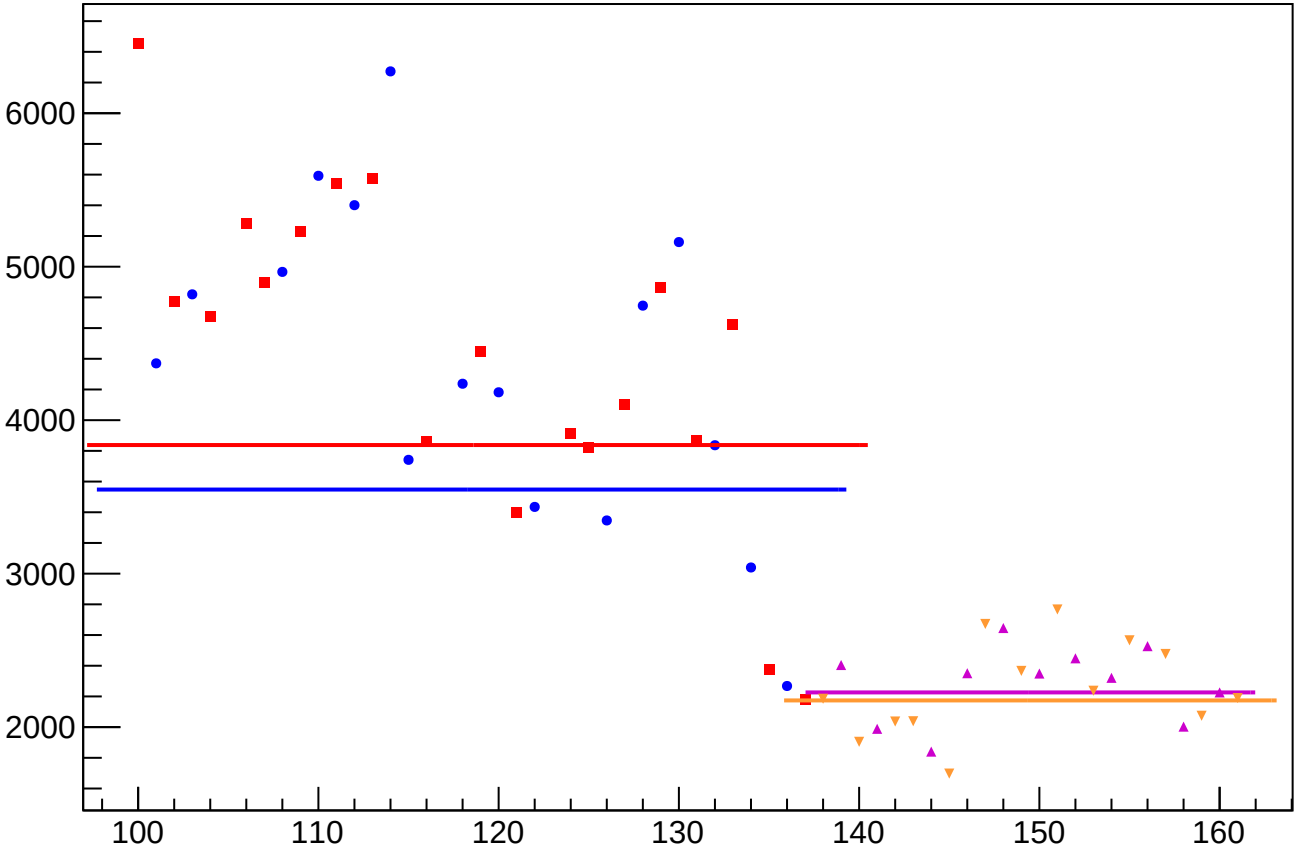
Left In: 351.156+/-726.460 χ^2/NDF:15.2/10

+ sign -1652.457+/-612.962 χ^2/NDF: 43.0/28

All: -828.730+/-446.097 χ^2/NDF: 77.3/58

- sign 98.861+/-650.459 χ^2/NDF: 30.5/29

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2173.979+/-0.483 χ^2/NDF:384257.9/12

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

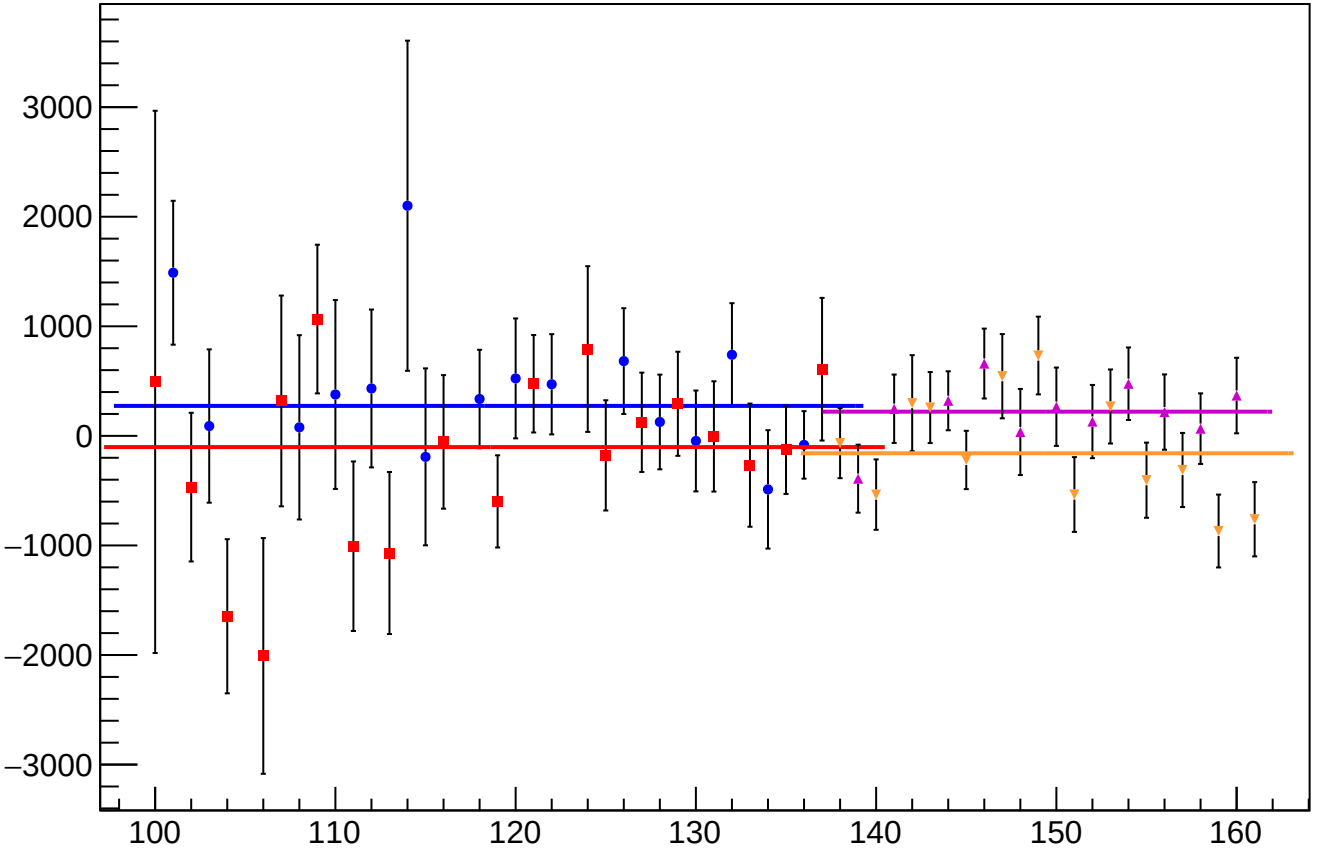
Left In: 2226.146+/-0.514 χ^2/NDF:226439.3/10

+ sign 2443.437+/-0.433 χ^2/NDF: 3227027.1/28

All: 2491.562+/-0.315 χ^2/NDF: 6587797.8/58

- sign 2545.755+/-0.460 χ^2/NDF: 3334559.3/29

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -158.692+/-93.124 χ^2/NDF:25.2/12

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

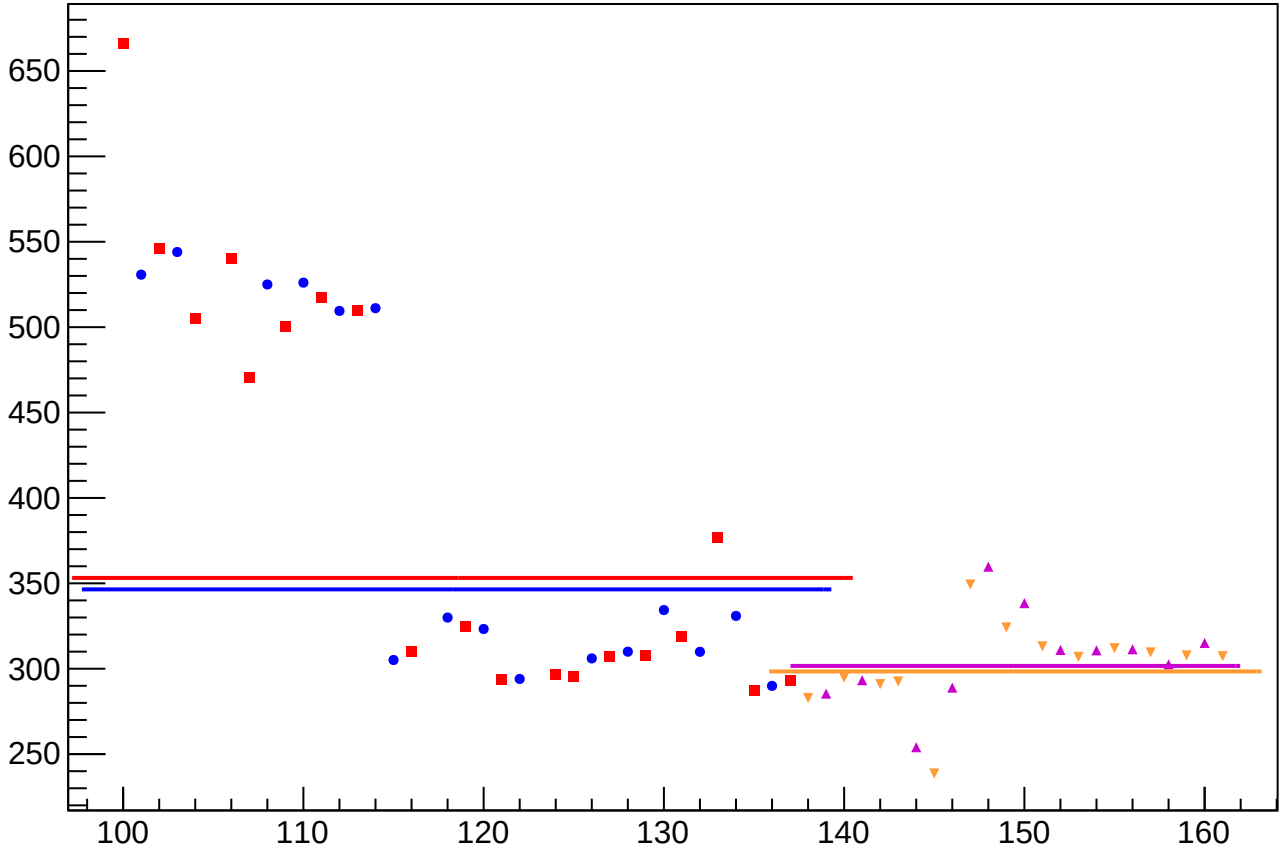
Left In: 220.873+/-98.448 χ^2/NDF:7.2/10

\+ sign -15.818+/-76.196 χ^2/NDF: 43.7/28

All: 43.235+/-54.929 χ^2/NDF: 77.3/58

\- sign 107.126+/-79.256 χ^2/NDF: 32.3/29

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 298.414+/-0.066 χ^2/NDF:165842.4/12

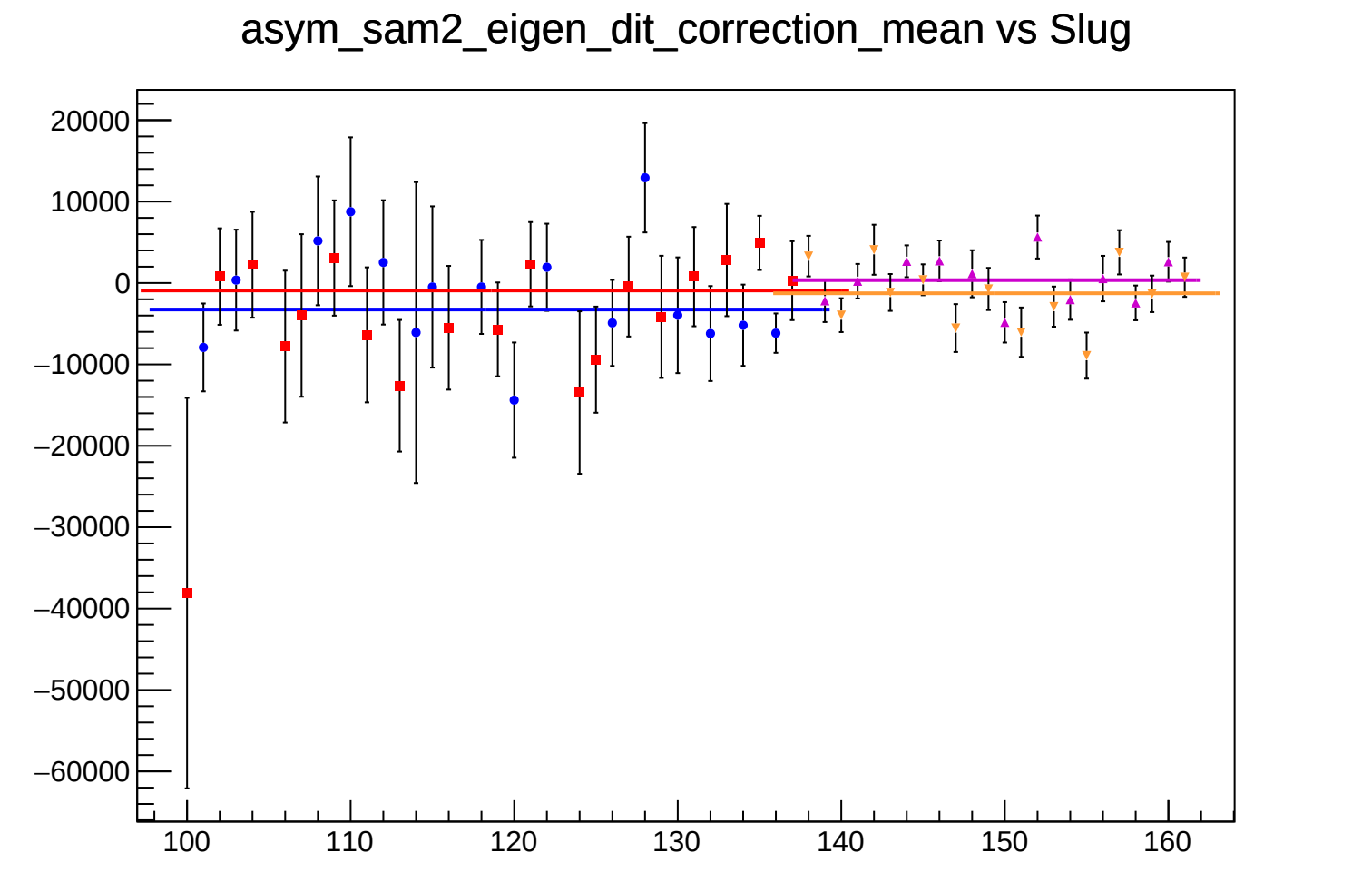
Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 301.637+/-0.070 χ^2/NDF:145168.0/10

+ sign 314.292+/-0.054 χ^2/NDF: 1110505.9/28

All: 316.925+/-0.039 χ^2/NDF: 2319885.6/58

- sign 319.774+/-0.056 χ^2/NDF: 1204406.8/29



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1260.568+/-683.653 χ^2/NDF:25.3/12

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

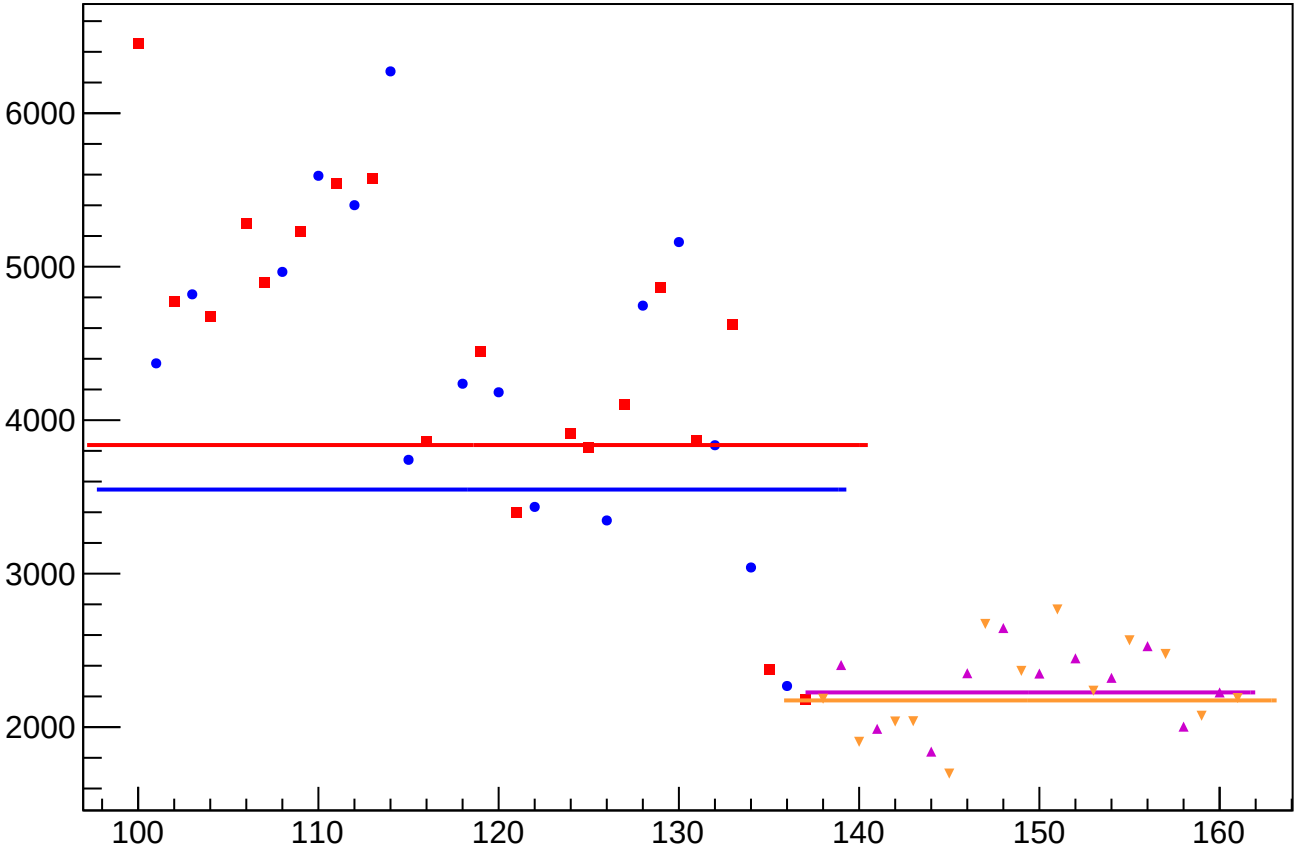
Left In: 351.156+/-726.459 χ^2/NDF:15.2/10

+ sign -1652.454+/-612.961 χ^2/NDF: 43.0/28

All: -828.729+/-446.097 χ^2/NDF: 77.3/58

- sign 98.859+/-650.459 χ^2/NDF: 30.5/29

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2173.977+/-0.483 χ^2/NDF:384264.5/12

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

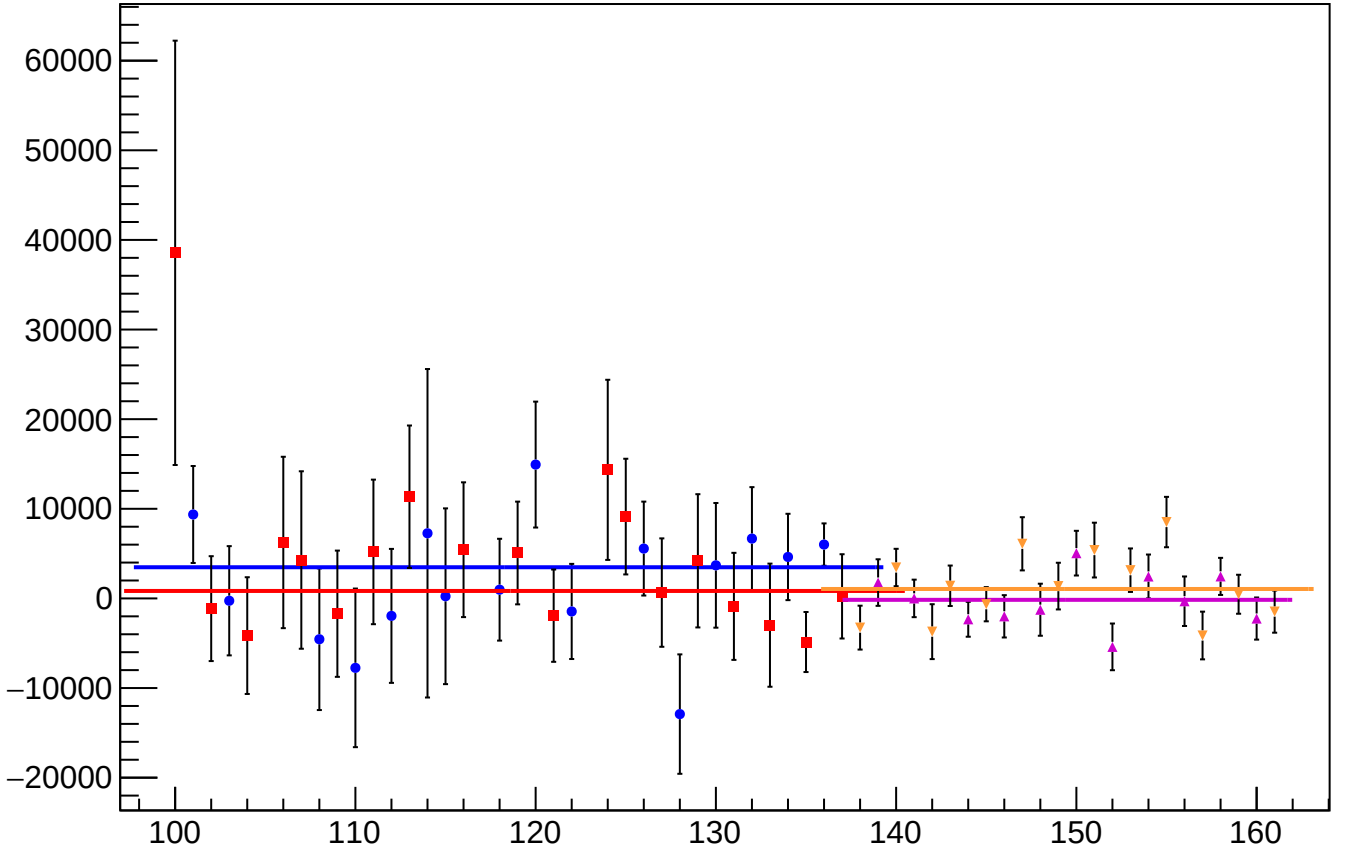
Left In: 2226.145+/-0.514 χ^2/NDF:226440.8/10

+ sign 2443.435+/-0.433 χ^2/NDF: 3227019.4/28

All: 2491.561+/-0.315 χ^2/NDF: 6587777.3/58

- sign 2545.754+/-0.460 χ^2/NDF: 3334546.2/29

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1053.350+/-678.638 χ^2/NDF:25.4/12

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

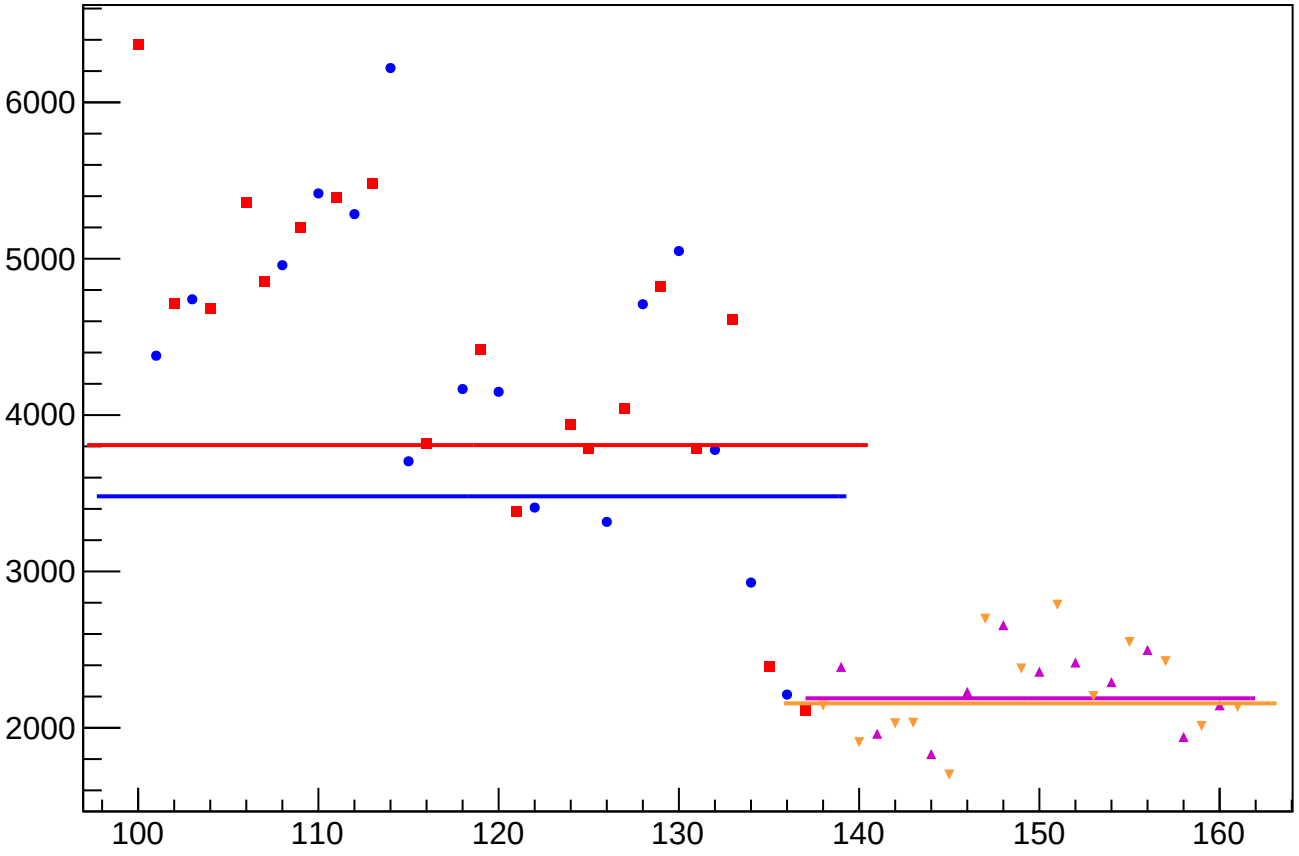
Left In: -158.039+/-714.456 χ^2/NDF:14.5/10

\+ sign 1536.598+/-607.267 χ^2/NDF: 44.3/28

All: 826.439+/-440.798 χ^2/NDF: 76.1/58

\- sign 35.557+/-640.852 χ^2/NDF: 28.9/29

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2156.545+/-0.480 χ^2/NDF:387354.9/12

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

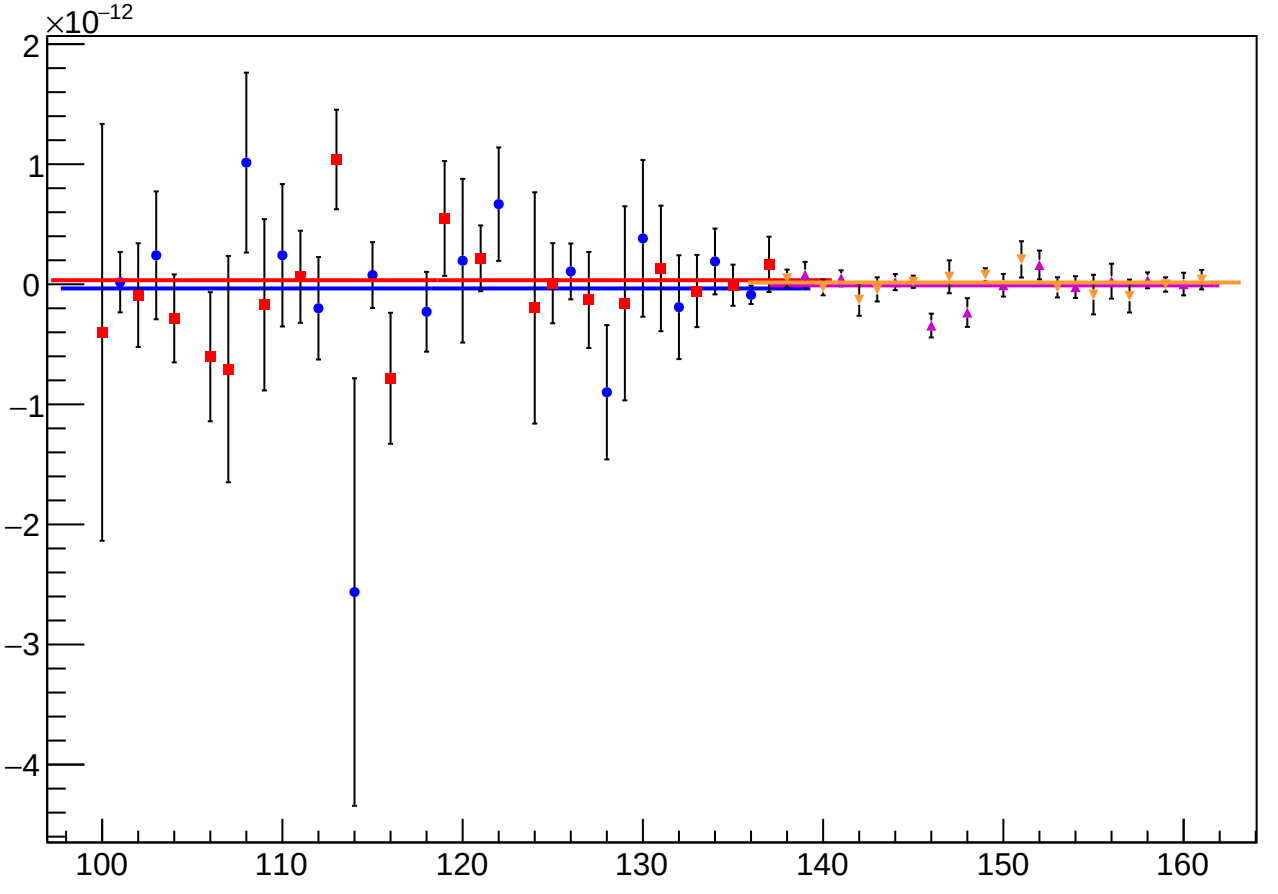
Left In: 2188.777+/-0.505 χ^2/NDF:237867.6/10

+ sign 2420.389+/-0.429 χ^2/NDF: 3201024.1/28

All: 2460.538+/-0.312 χ^2/NDF: 6612931.3/58

- sign 2505.250+/-0.453 χ^2/NDF: 3393429.2/29

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:6.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

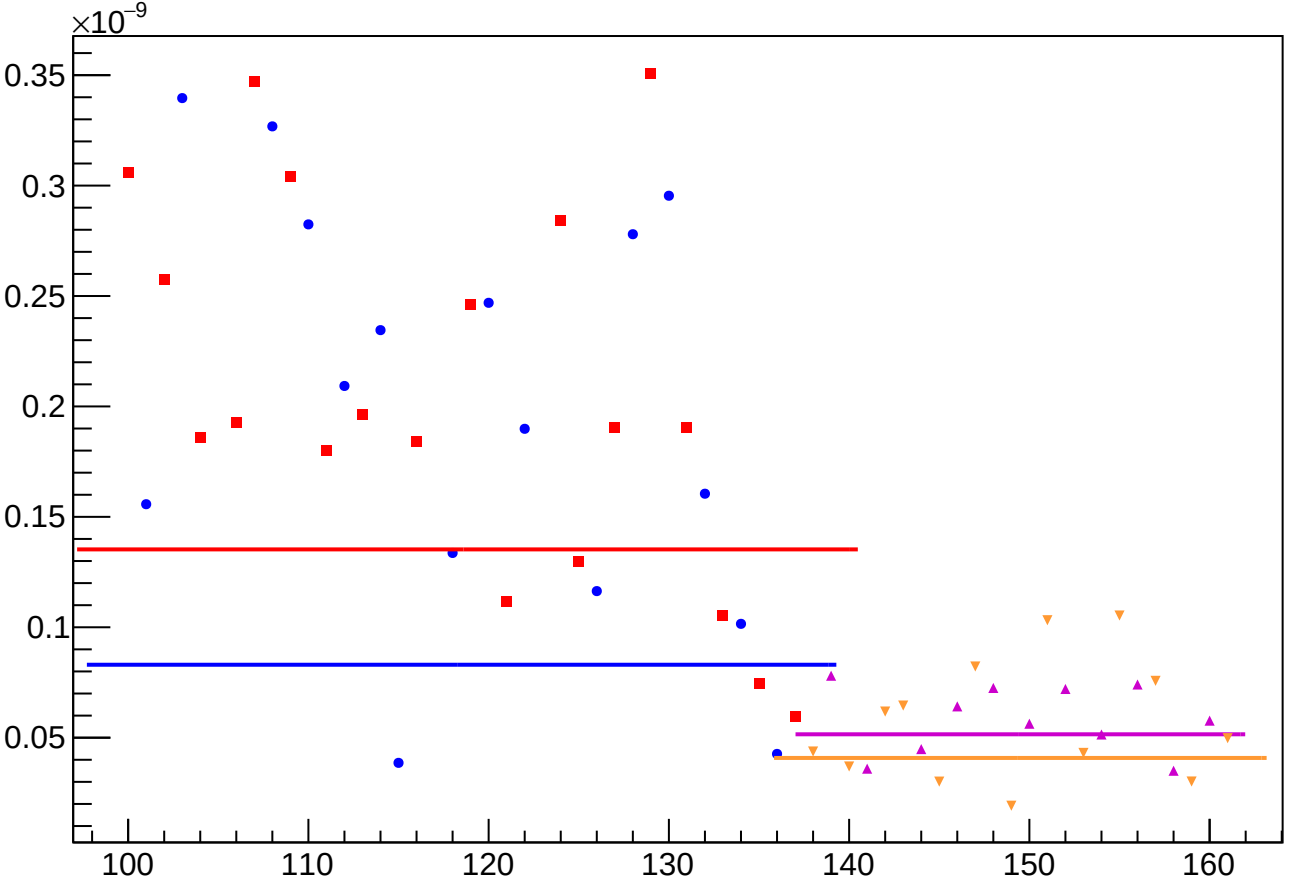
Left In: -0.000+/-0.000 χ^2/NDF:19.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 19.1/28

All: 0.000+/-0.000 χ^2/NDF: 52.1/58

- sign -0.000+/-0.000 χ^2/NDF: 32.8/29

asym_sam2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1608434.1/12

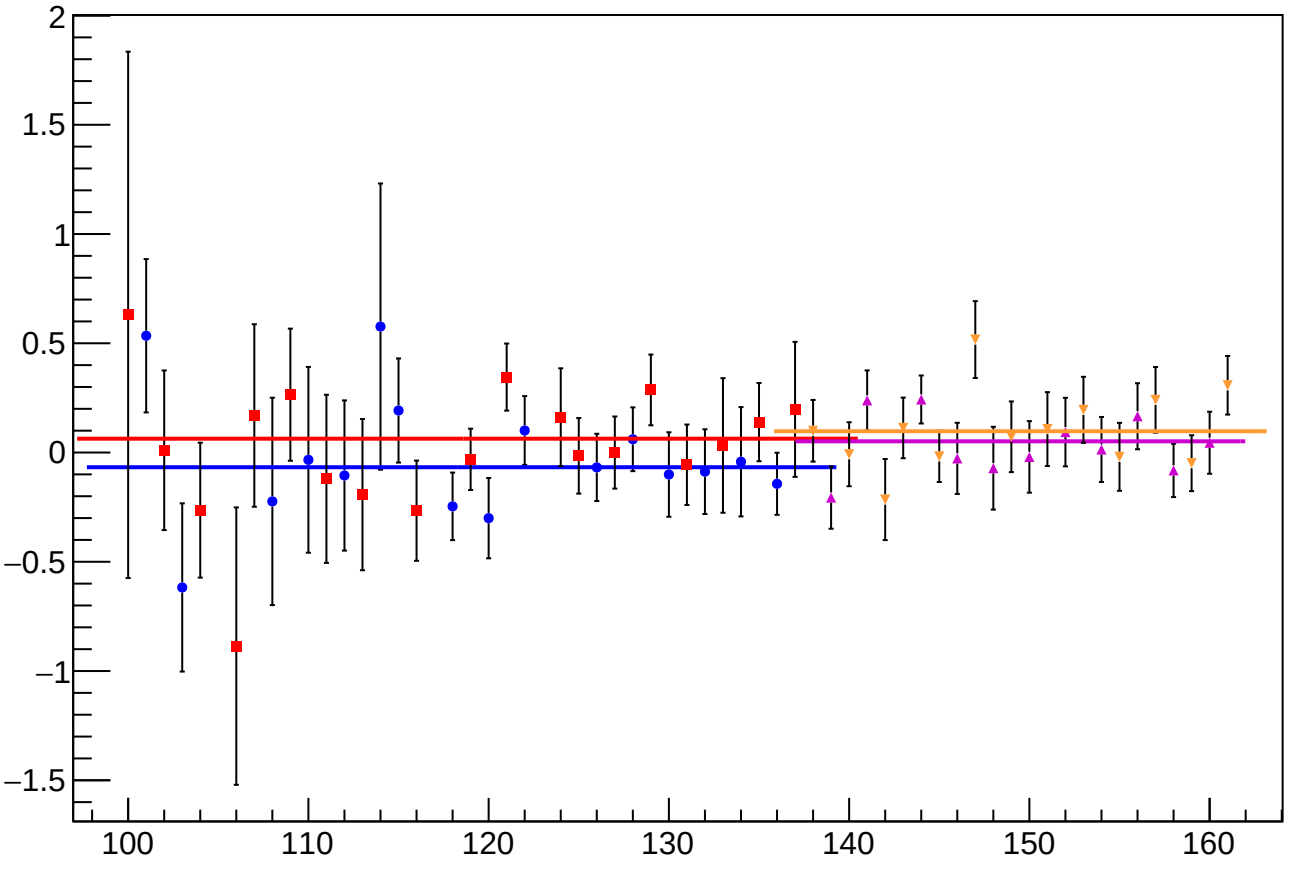
Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:590937.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 5165974.2/28

All: 0.000+/-0.000 χ^2/NDF: 9255455.3/58

- sign 0.000+/-0.000 χ^2/NDF: 3764131.9/29



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.097+/-0.041 χ^2/NDF:15.7/12

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

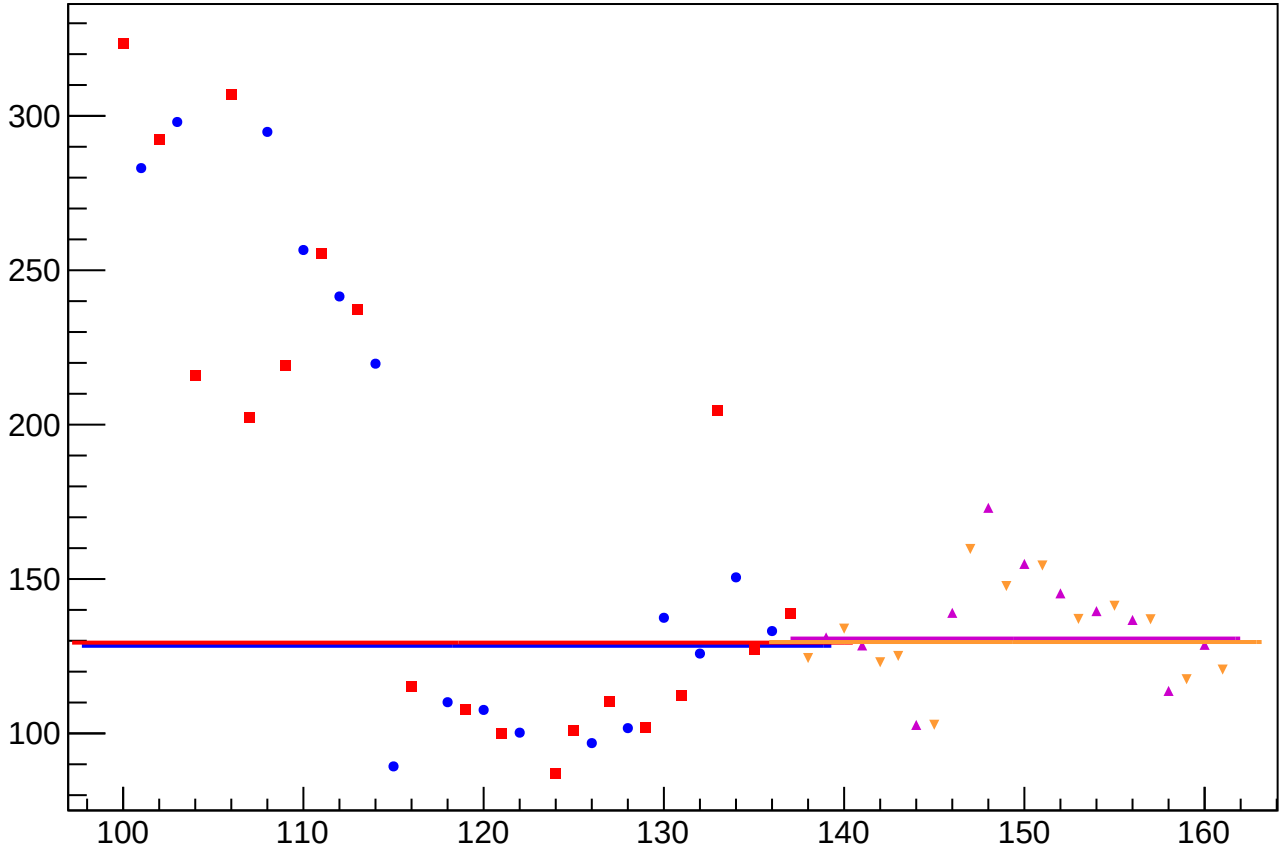
Left In: 0.051+/-0.043 χ^2/NDF:10.9/10

+ sign 0.034+/-0.032 χ^2/NDF: 34.4/28

All: 0.045+/-0.023 χ^2/NDF: 59.6/58

- sign 0.056+/-0.033 χ^2/NDF: 25.0/29

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.601+/-0.029 χ^2/NDF:288232.8/12

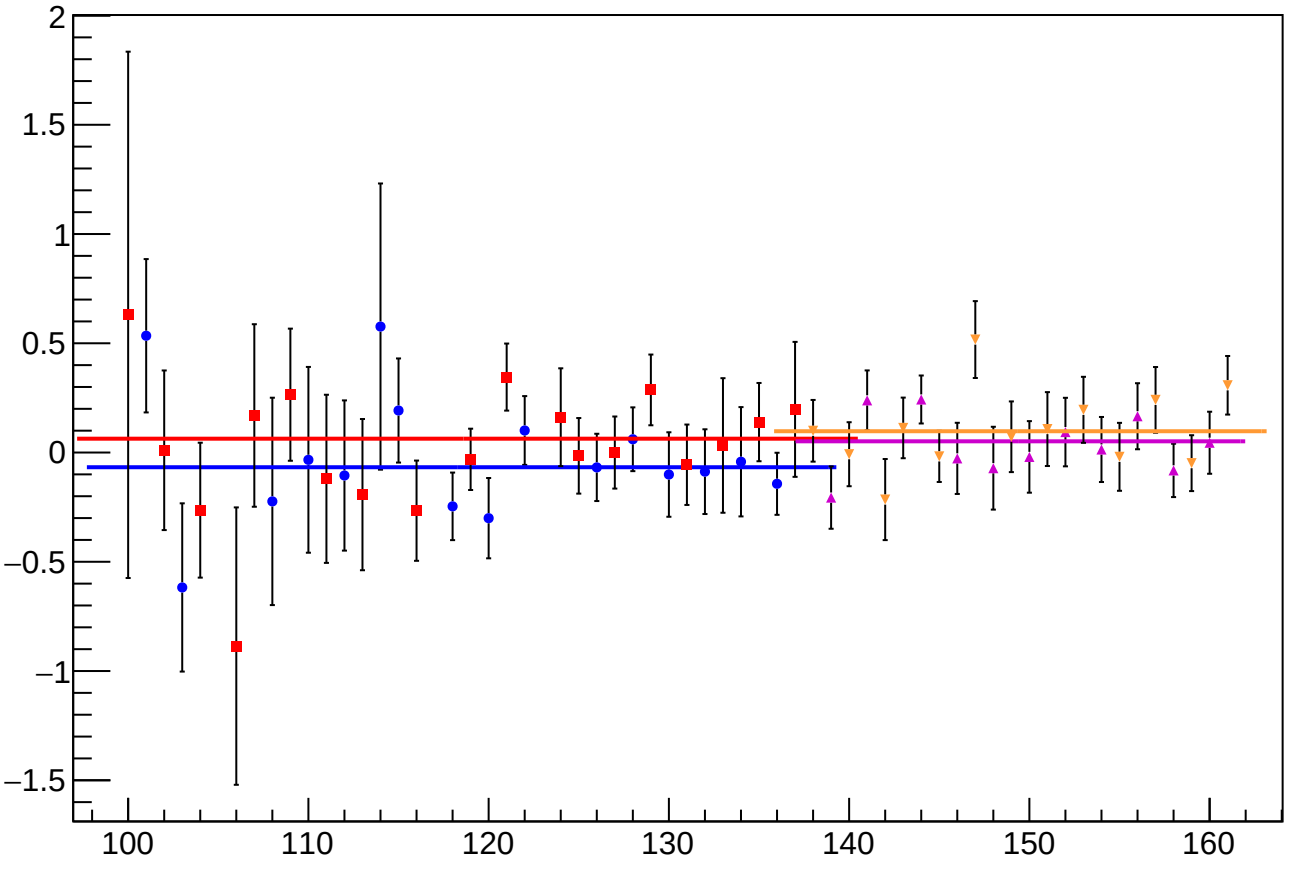
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 130.715+/-0.031 χ^2/NDF:345762.1/10

+ sign 129.134+/-0.023 χ^2/NDF: 2093999.1/28

All: 129.635+/-0.016 χ^2/NDF: 4329811.7/58

- sign 130.172+/-0.023 χ^2/NDF: 2234797.9/29



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.097+/-0.041 χ^2/NDF:15.7/12

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

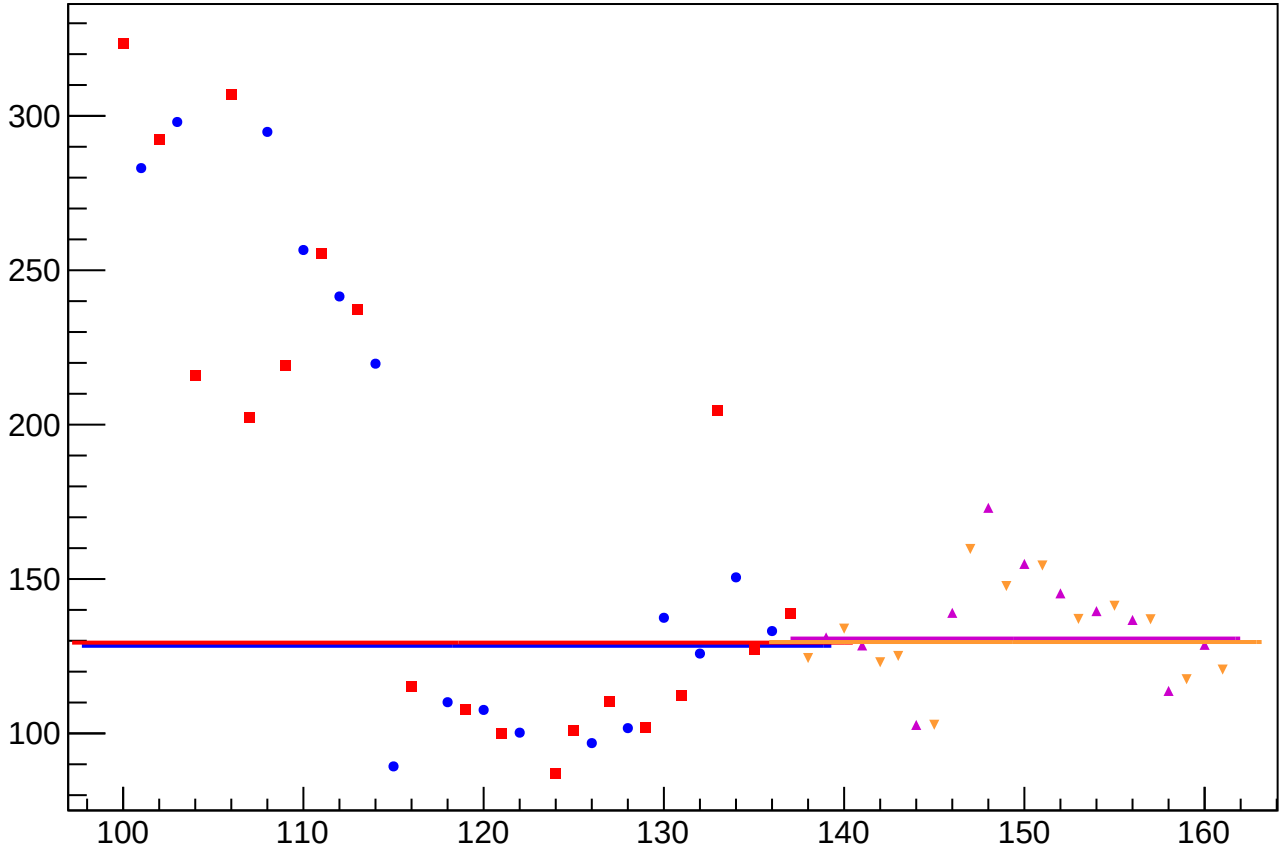
Left In: 0.051+/-0.043 χ^2/NDF:10.9/10

+ sign 0.034+/-0.032 χ^2/NDF: 34.4/28

All: 0.045+/-0.023 χ^2/NDF: 59.6/58

- sign 0.056+/-0.033 χ^2/NDF: 25.0/29

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.601+/-0.029 χ^2/NDF:288232.8/12

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

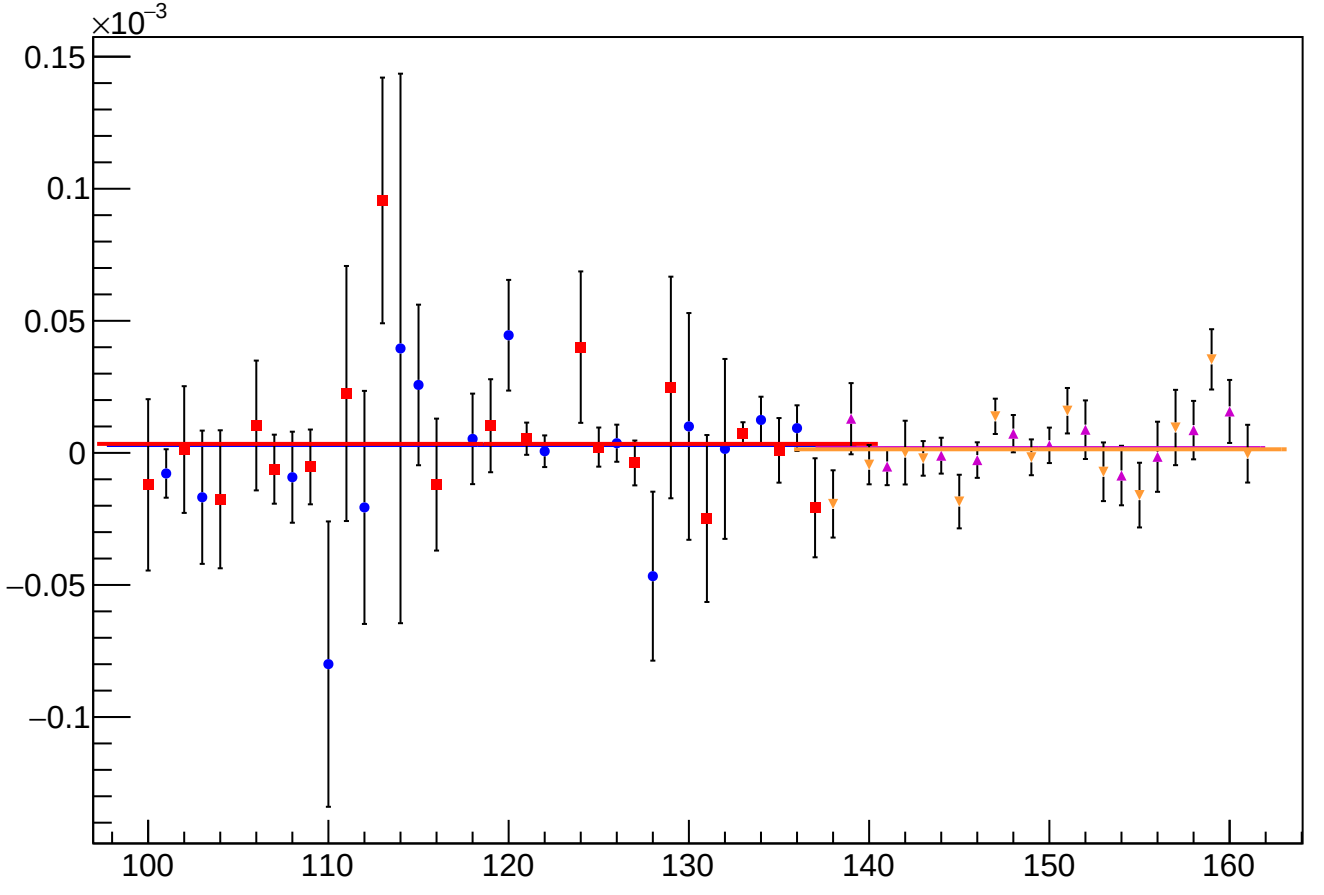
Left In: 130.715+/-0.031 χ^2/NDF:345762.1/10

+ sign 129.134+/-0.023 χ^2/NDF: 2093999.1/28

All: 129.635+/-0.016 χ^2/NDF: 4329811.7/58

- sign 130.172+/-0.023 χ^2/NDF: 2234797.9/29

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:25.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

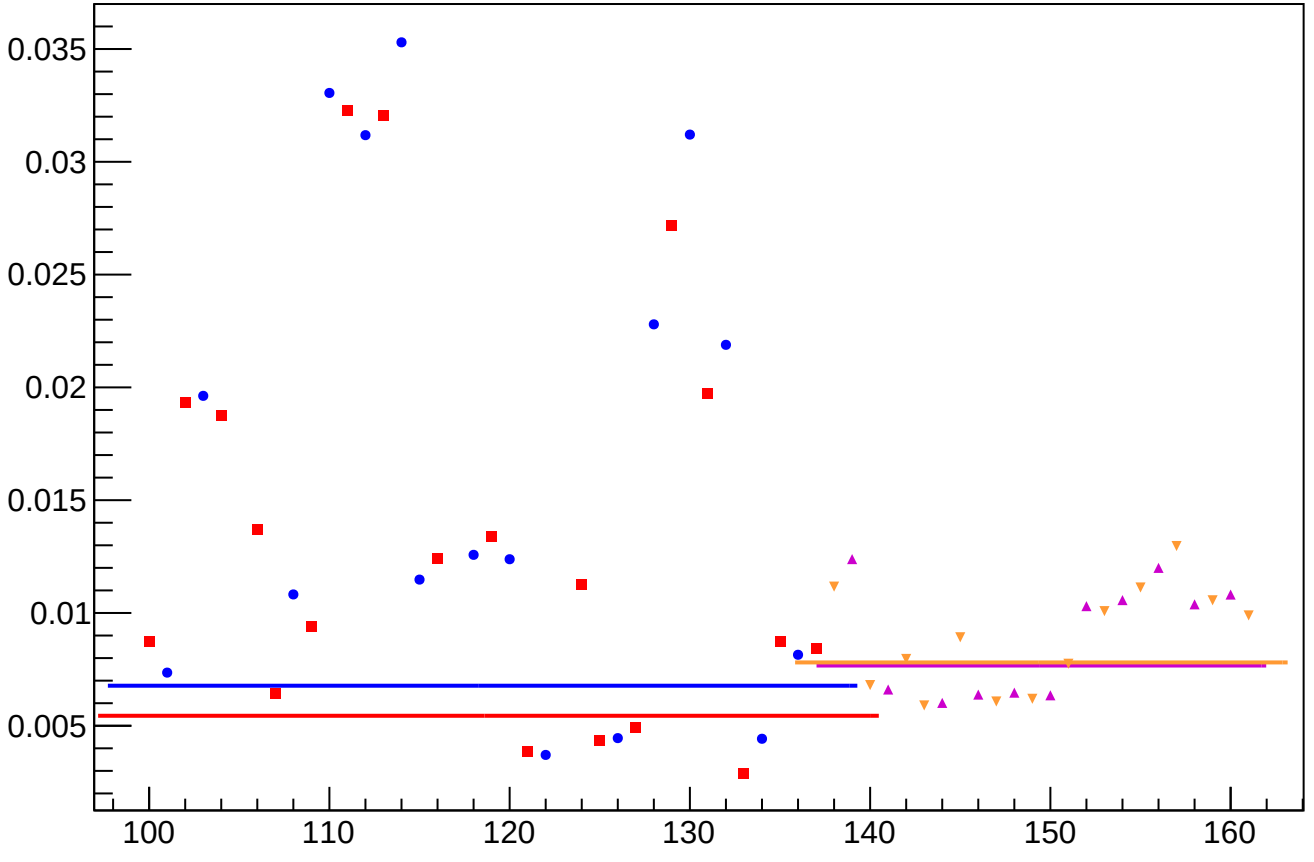
Left In: 0.000+/-0.000 χ^2/NDF:6.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 40.0/28

All: 0.000+/-0.000 χ^2/NDF: 58.8/58

- sign 0.000+/-0.000 χ^2/NDF: 18.7/29

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1298686.0/12

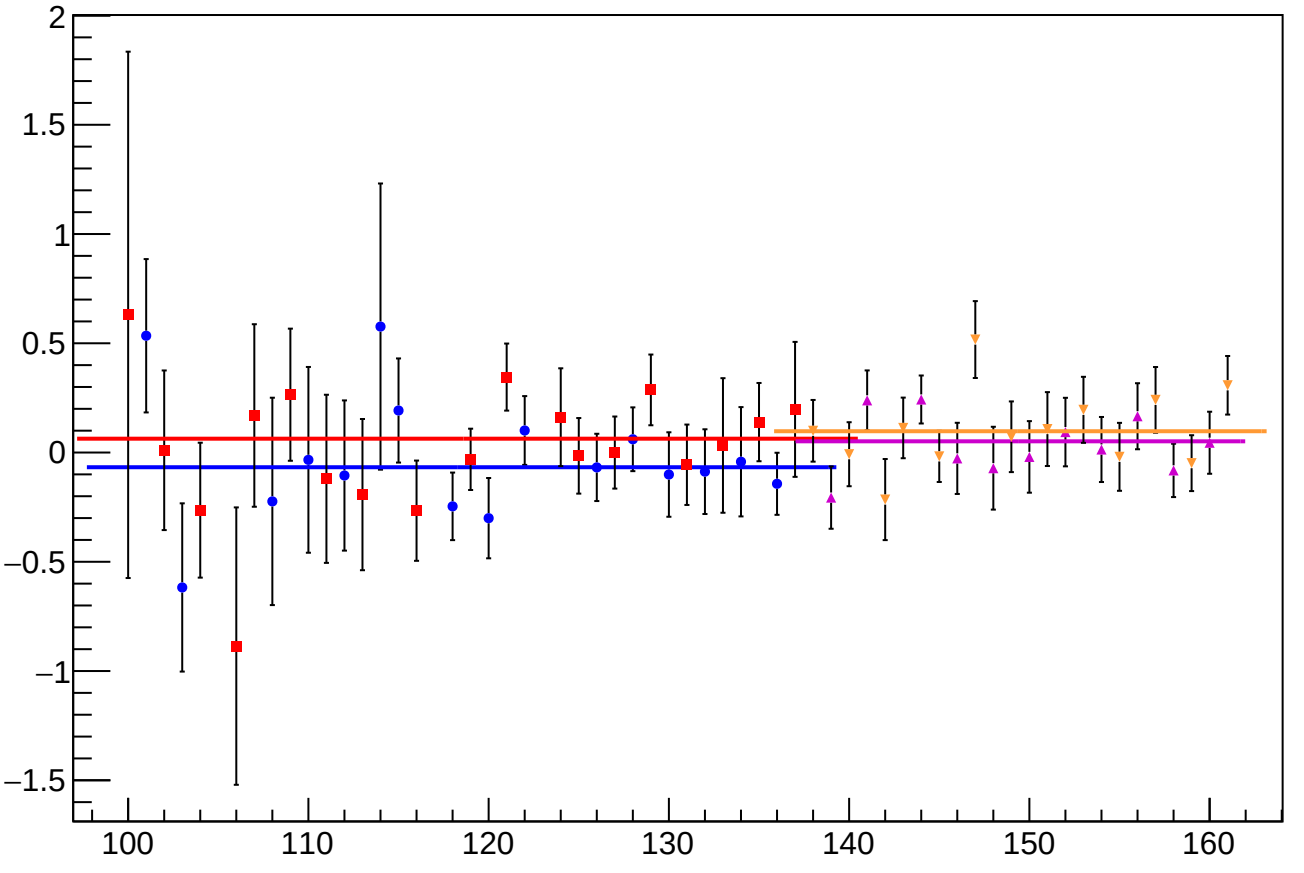
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1335638.8/10

+ sign 0.007+/-0.000 χ^2/NDF: 6202300.7/28

All: 0.007+/-0.000 χ^2/NDF: 14045472.9/58

- sign 0.007+/-0.000 χ^2/NDF: 7644769.2/29



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.097+/-0.041 χ^2/NDF:15.7/12

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

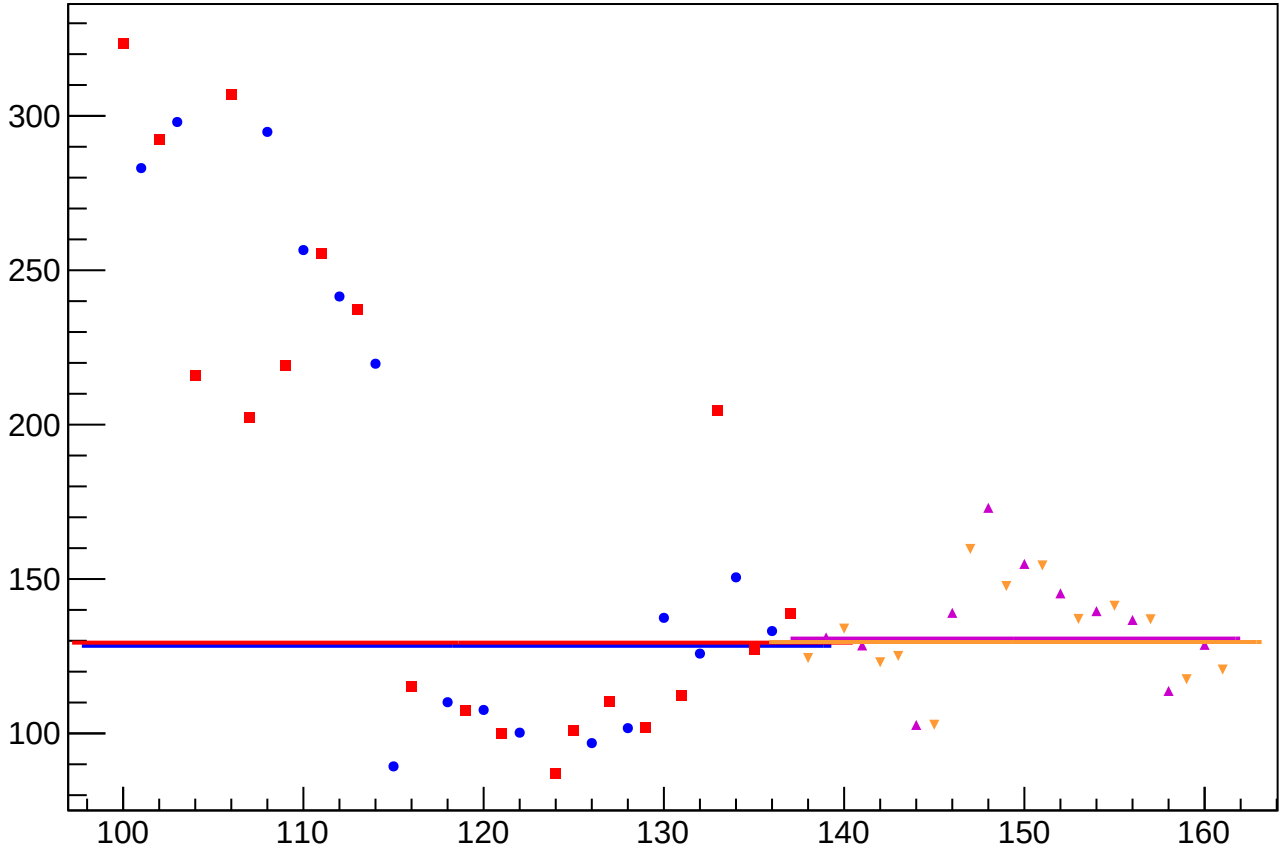
Left In: 0.051+/-0.043 χ^2/NDF:10.9/10

+ sign 0.034+/-0.032 χ^2/NDF: 34.4/28

All: 0.045+/-0.023 χ^2/NDF: 59.6/58

- sign 0.056+/-0.033 χ^2/NDF: 25.0/29

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 129.601+/-0.029 χ^2/NDF:288263.3/12

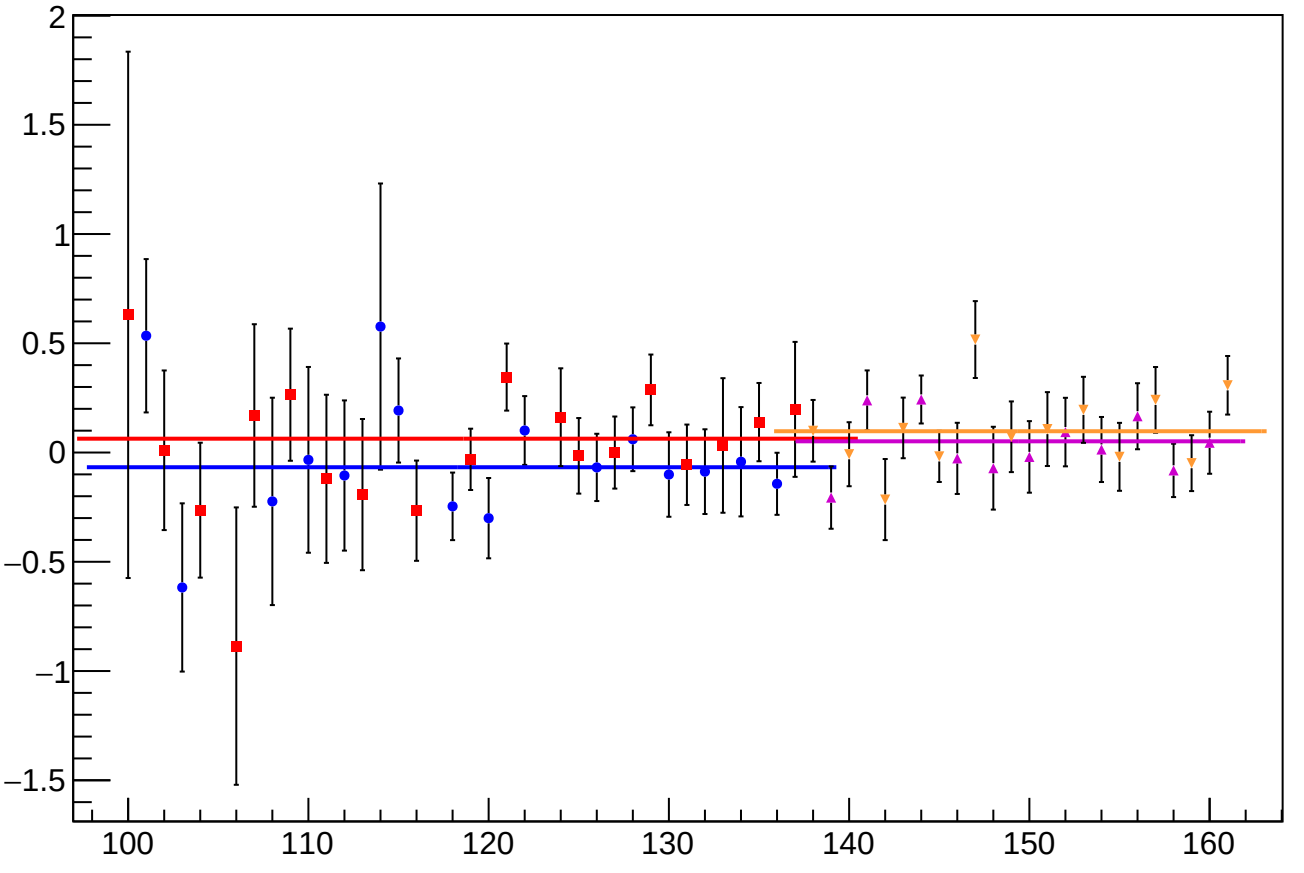
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.715+/-0.031 χ^2/NDF:345777.5/10

+ sign 129.133+/-0.023 χ^2/NDF: 2093980.9/28

All: 129.634+/-0.016 χ^2/NDF: 4329812.9/58

- sign 130.171+/-0.023 χ^2/NDF: 2234817.8/29



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.097+/-0.041 χ^2/NDF:15.7/12

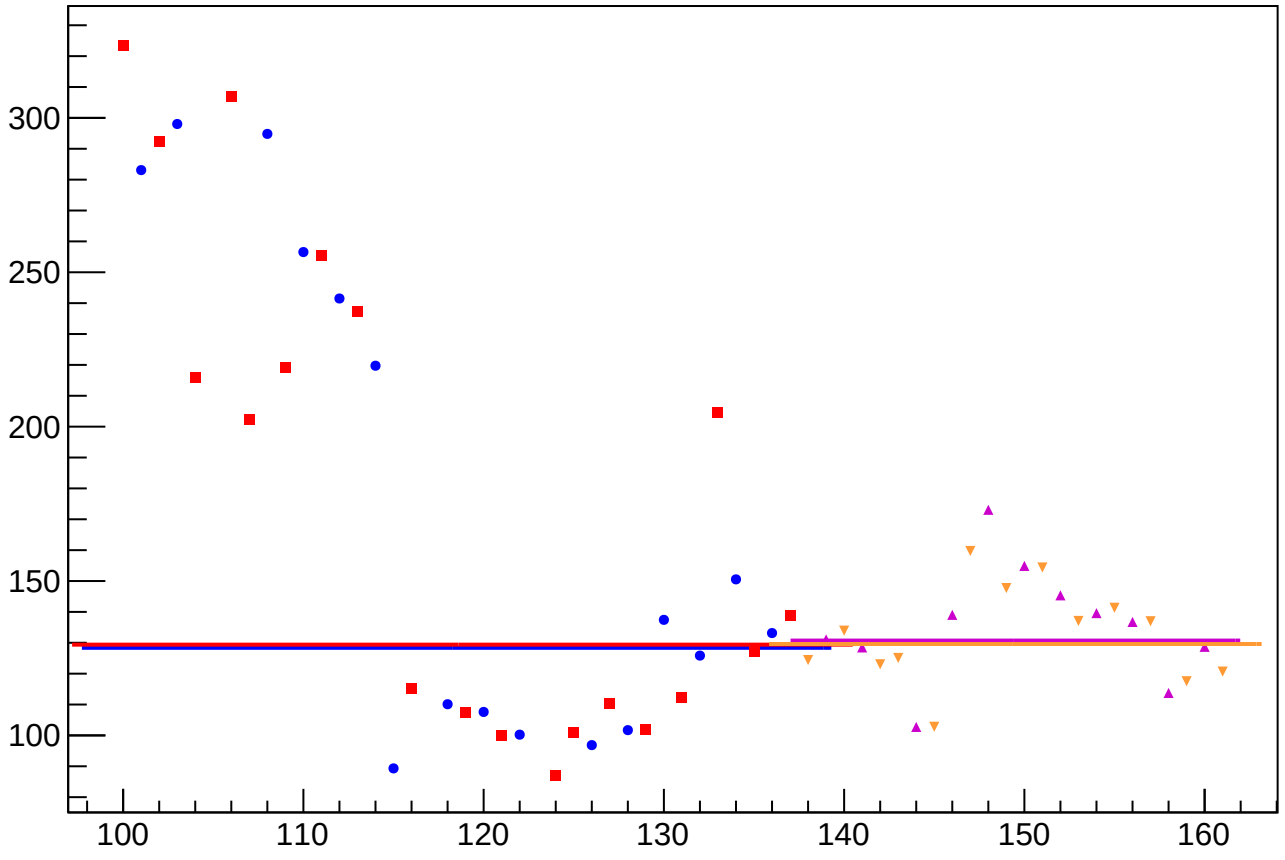
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.051+/-0.043 χ^2/NDF:10.9/10

+ sign 0.034+/-0.032 χ^2/NDF: 34.4/28

All: 0.045+/-0.023 χ^2/NDF: 59.6/58

- sign 0.056+/-0.033 χ^2/NDF: 25.0/29



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 129.601+/-0.029 χ^2/NDF:288263.3/12

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

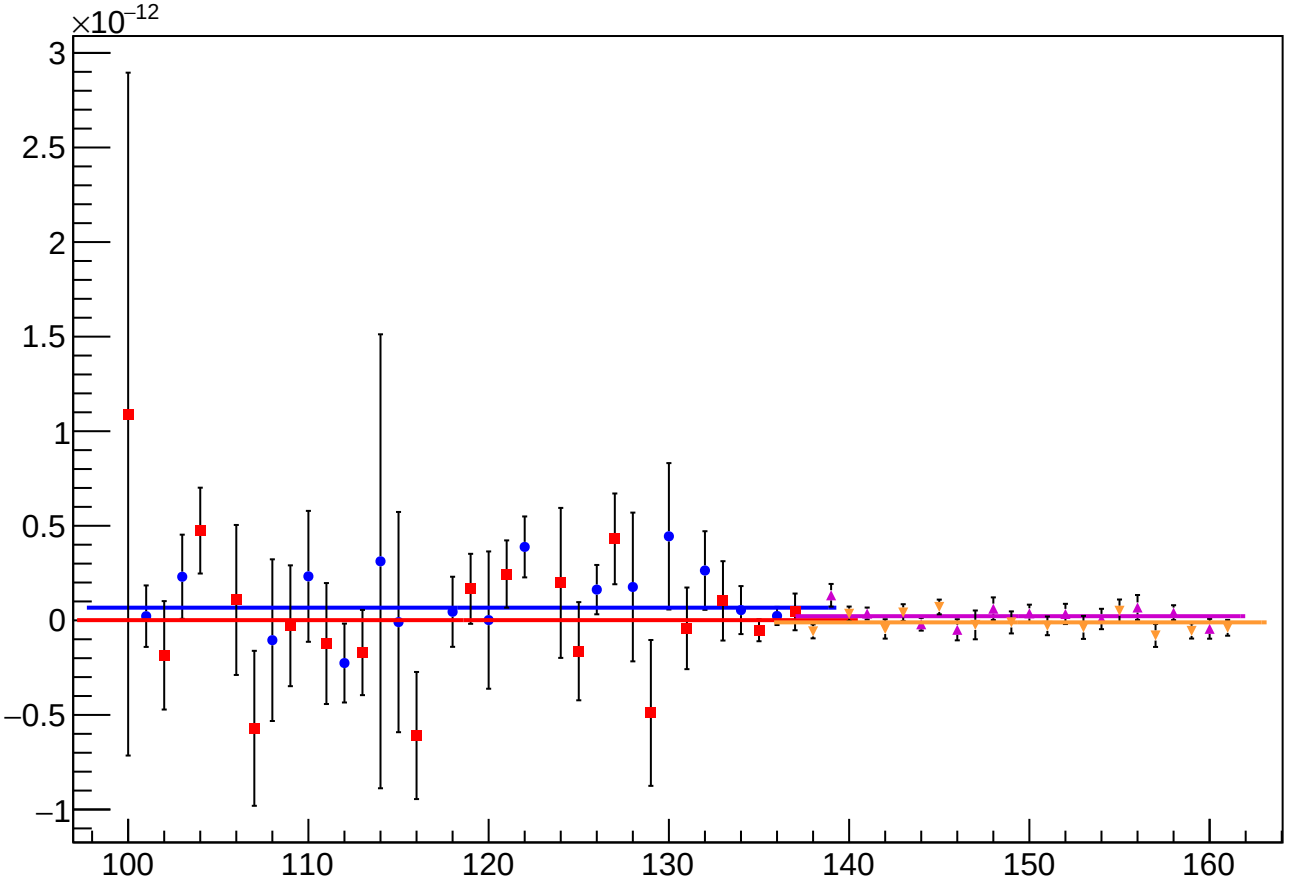
Left In: 130.715+/-0.031 χ^2/NDF:345777.5/10

+ sign 129.133+/-0.023 χ^2/NDF: 2093980.9/28

All: 129.634+/-0.016 χ^2/NDF: 4329812.9/58

- sign 130.171+/-0.023 χ^2/NDF: 2234817.8/29

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:13.7/12

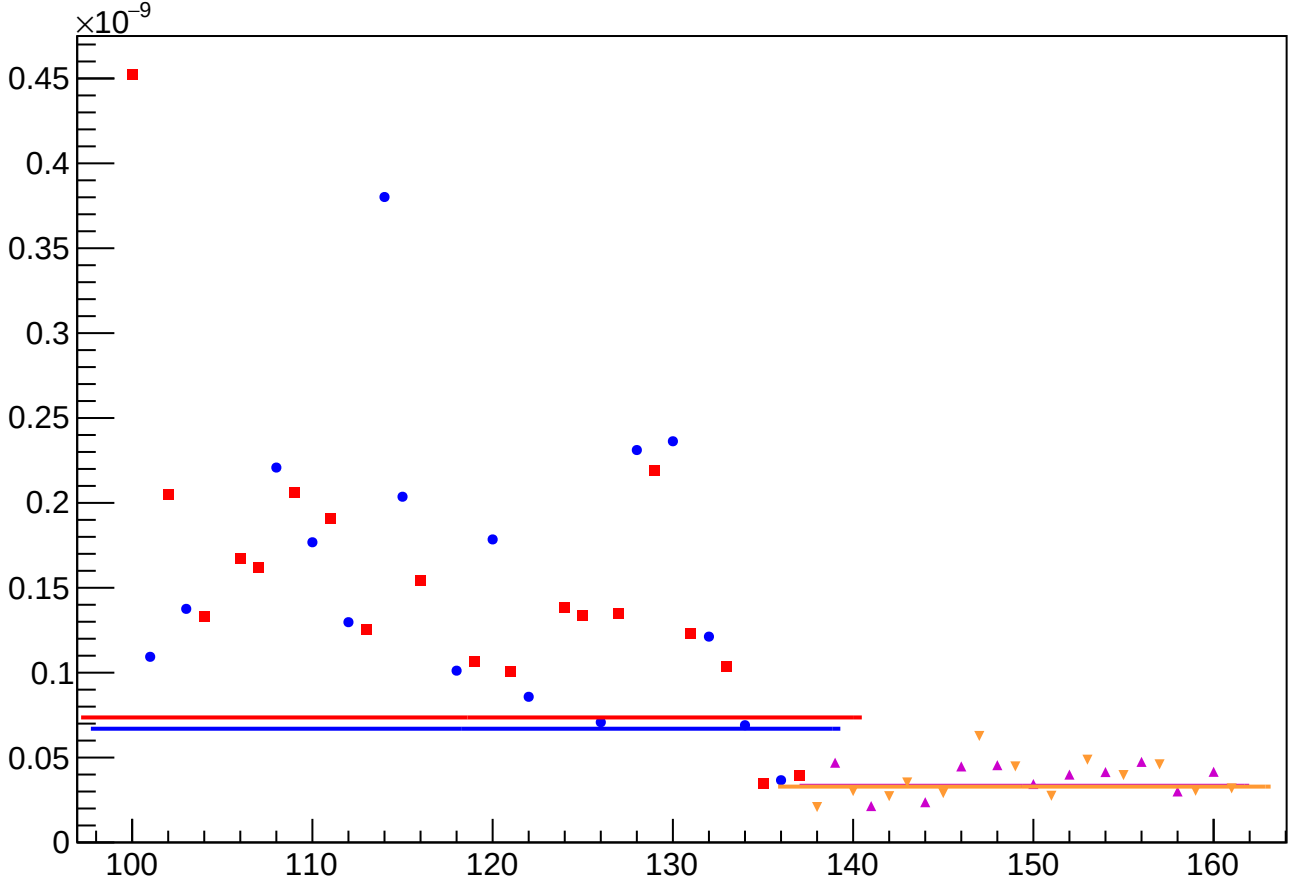
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 28.2/28

All: 0.000+/-0.000 χ^2/NDF: 60.4/58

- sign 0.000+/-0.000 χ^2/NDF: 30.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:950760.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

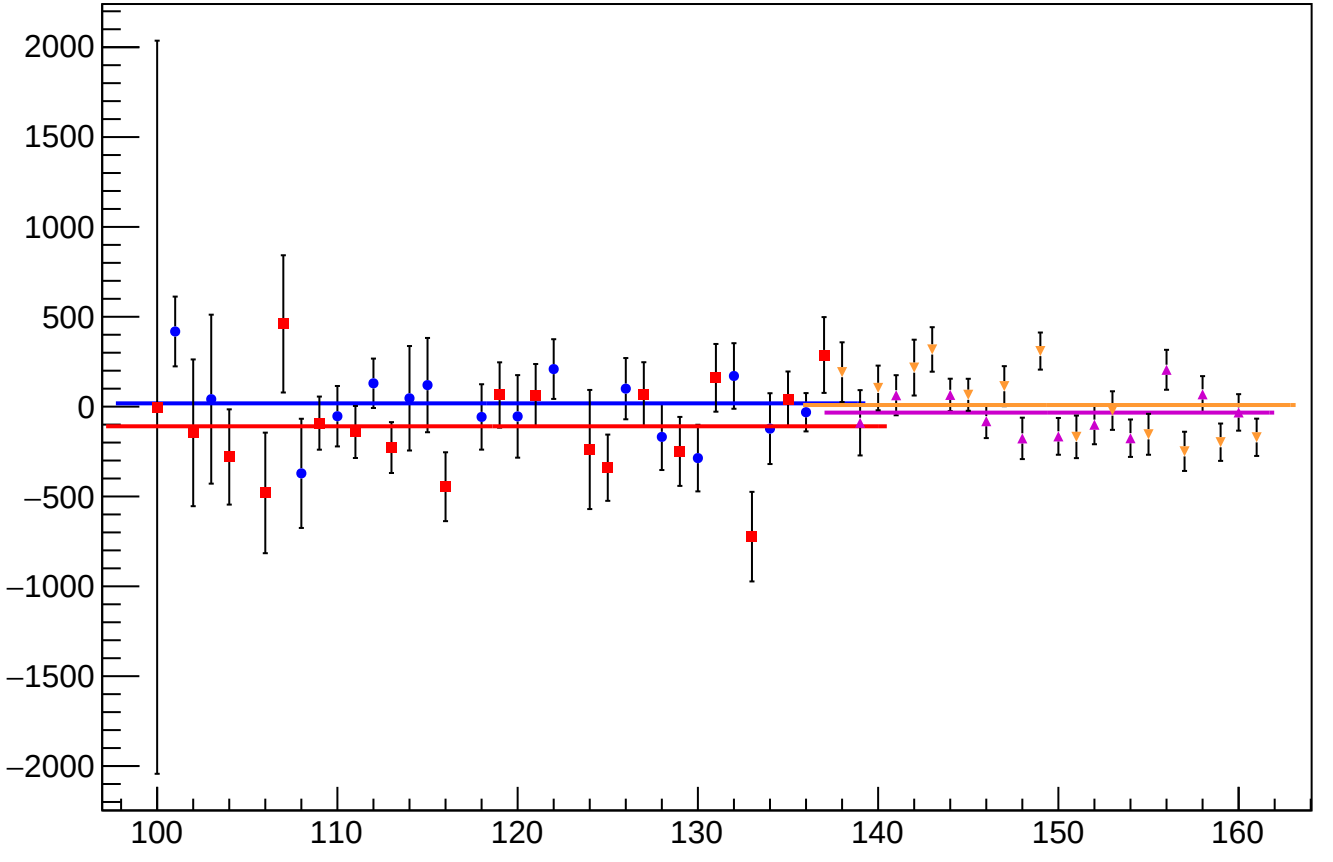
Left In: 0.000+/-0.000 χ^2/NDF:951106.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 5707957.8/28

All: 0.000+/-0.000 χ^2/NDF: 12175450.0/58

- sign 0.000+/-0.000 χ^2/NDF: 6461210.5/29

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.962+/-31.418 χ^2/NDF:36.5/12

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

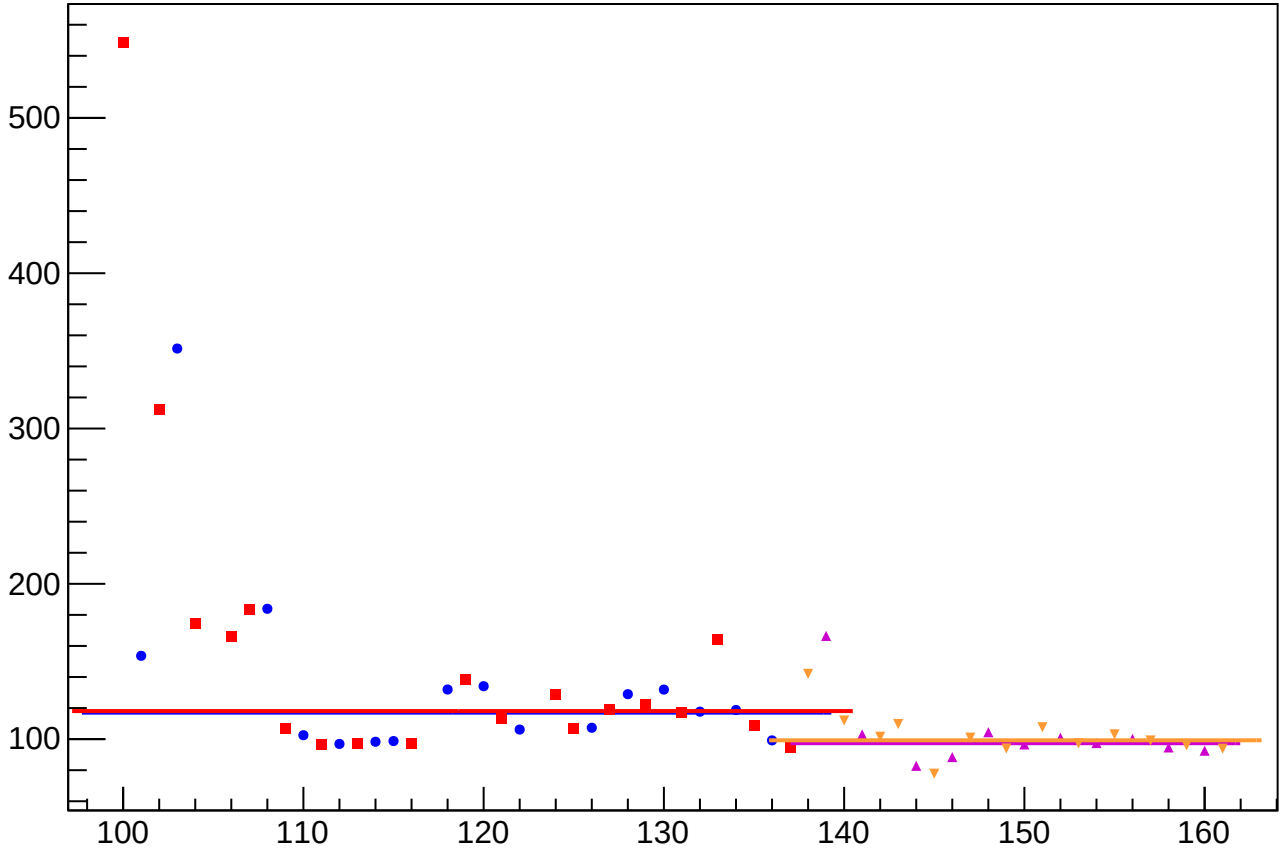
Left In: -33.304+/-32.113 χ^2/NDF:13.4/10

+ sign 11.928+/-25.891 χ^2/NDF: 50.4/28

All: -22.675+/-18.450 χ^2/NDF: 94.7/58

- sign -58.377+/-26.298 χ^2/NDF: 40.7/29

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 99.246+/-0.022 χ^2/NDF:311315.5/12

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

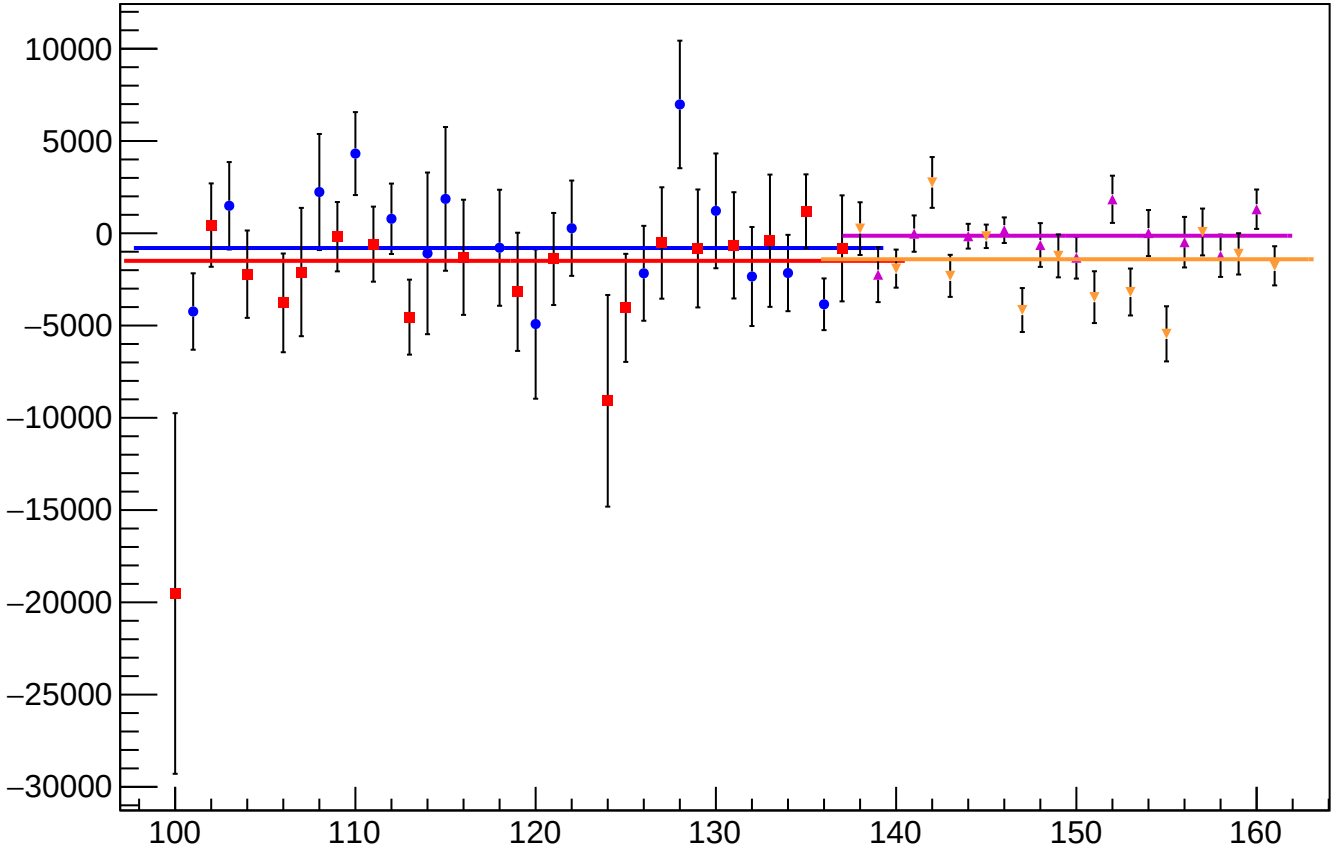
Left In: 97.374+/-0.023 χ^2/NDF:381320.4/10

+ sign 104.963+/-0.018 χ^2/NDF: 1376114.7/28

All: 104.581+/-0.013 χ^2/NDF: 3022326.5/58

- sign 104.186+/-0.019 χ^2/NDF: 1645324.9/29

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1408.034+/-308.142 χ^2/NDF:33.5/12

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

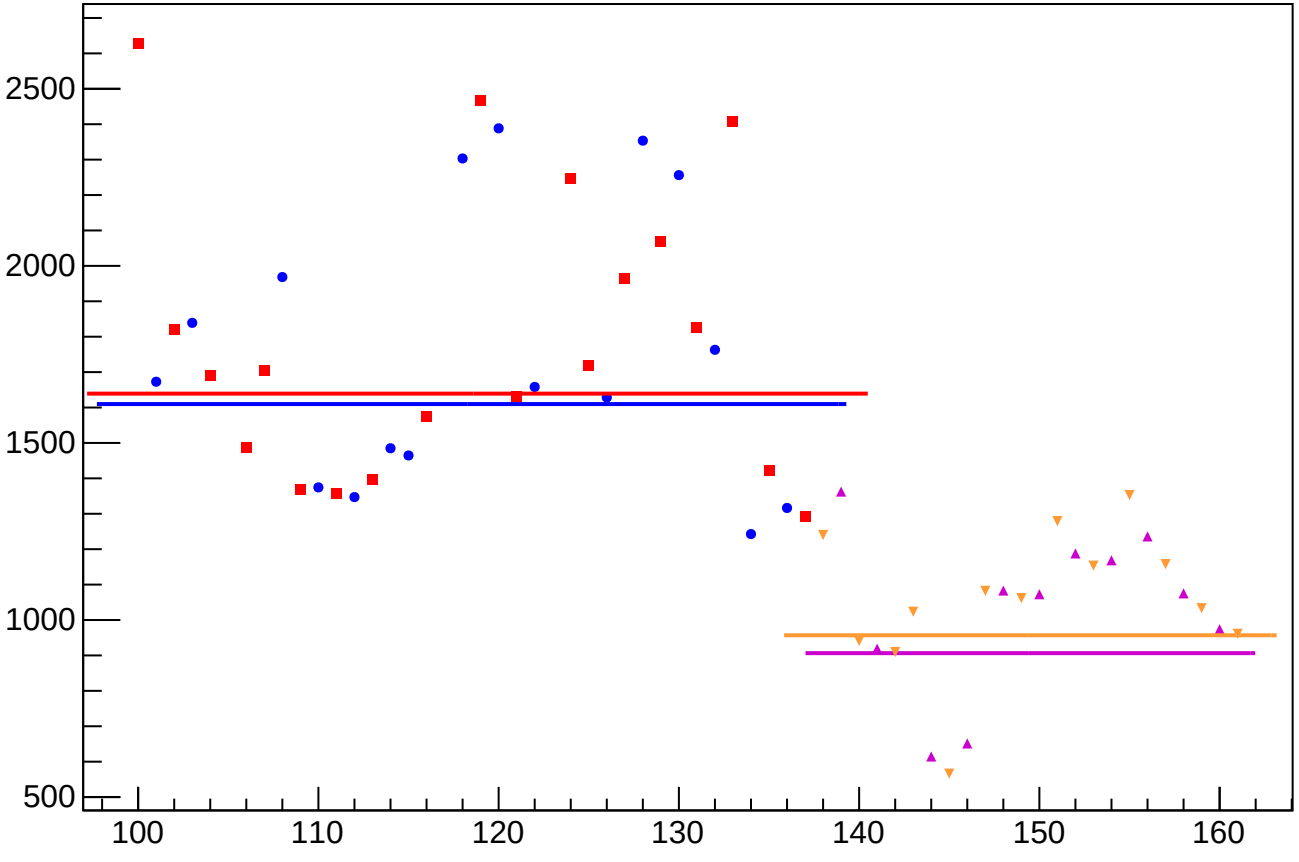
Left In: -133.696+/-305.776 χ^2/NDF:8.7/10

+ sign -1286.167+/-275.586 χ^2/NDF: 57.7/28

All: -842.267+/-194.174 χ^2/NDF: 88.4/58

- sign -404.640+/-273.632 χ^2/NDF: 25.5/29

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 956.891+/-0.218 χ^2/NDF:1236964.1/12

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

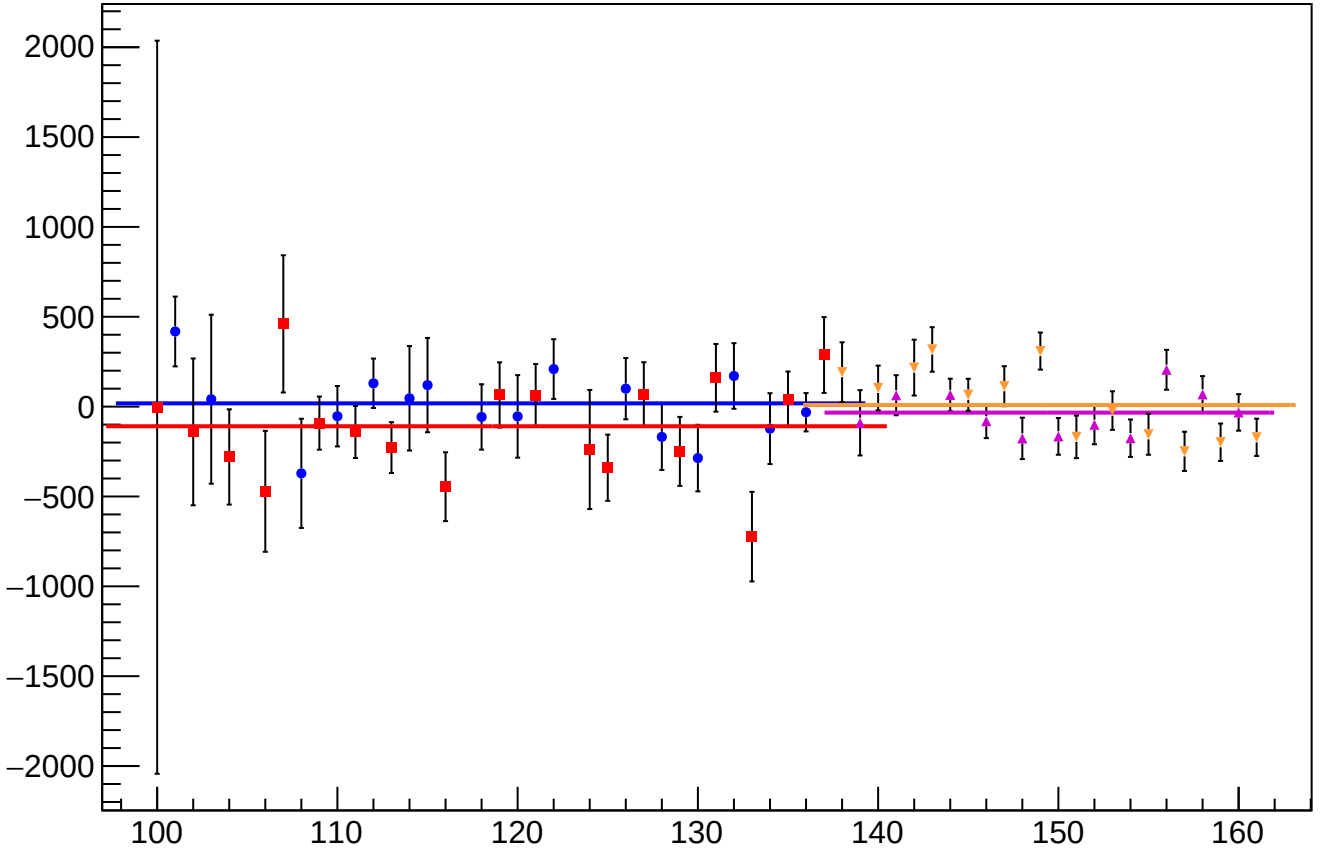
Left In: 906.439+/-0.216 χ^2/NDF:1276373.0/10

+ sign 1087.562+/-0.195 χ^2/NDF: 3653097.9/28

All: 1069.860+/-0.137 χ^2/NDF: 7754127.0/58

- sign 1052.409+/-0.193 χ^2/NDF: 4084641.9/29

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.965+/-31.418 χ^2/NDF:36.5/12

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

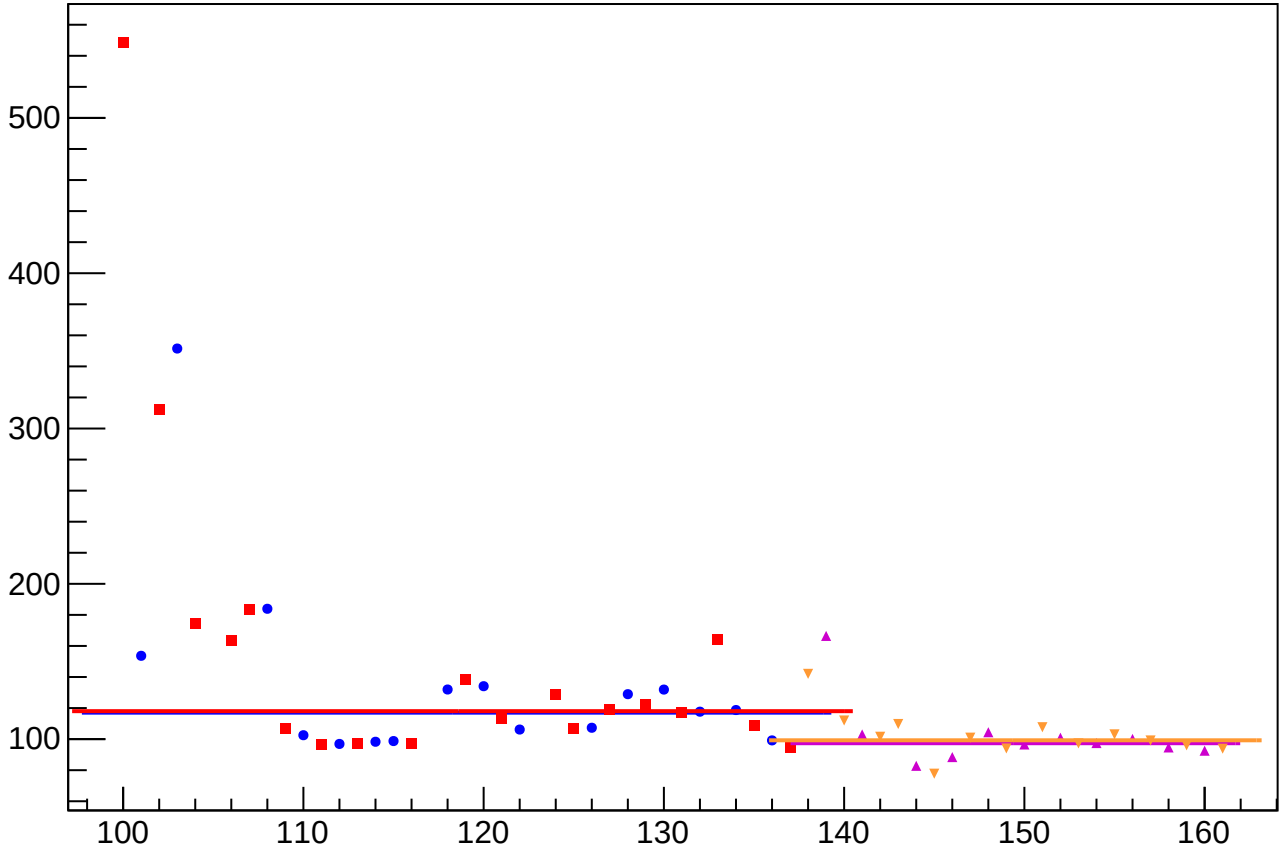
Left In: -33.308+/-32.113 χ^2/NDF:13.4/10

+ sign 11.926+/-25.891 χ^2/NDF: 50.4/28

All: -22.630+/-18.450 χ^2/NDF: 94.6/58

- sign -58.284+/-26.299 χ^2/NDF: 40.6/29

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 99.246+/-0.022 χ^2/NDF:311315.5/12

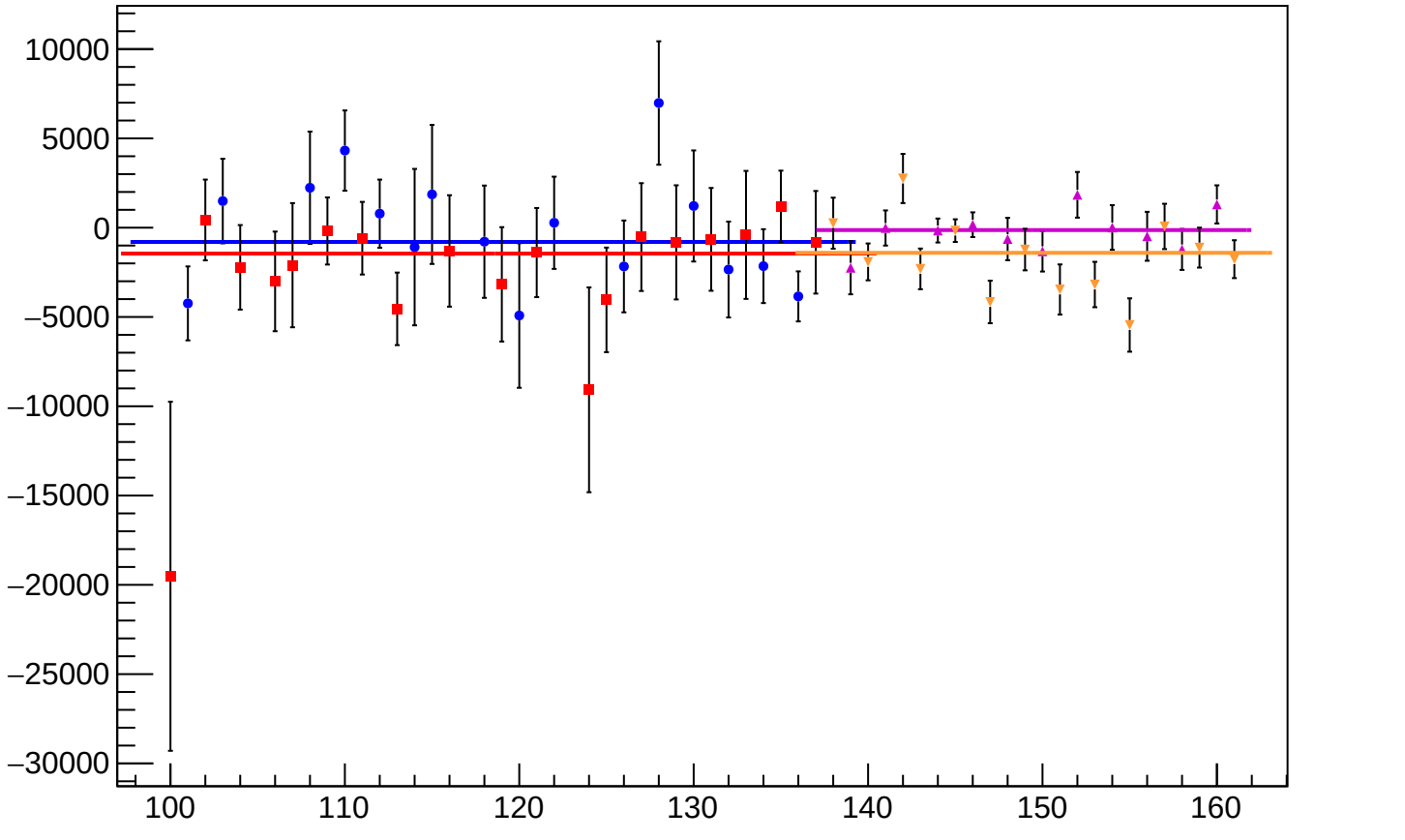
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.374+/-0.023 χ^2/NDF:381320.4/10

+ sign 104.963+/-0.018 χ^2/NDF: 1376116.6/28

All: 104.572+/-0.013 χ^2/NDF: 3016784.3/58

- sign 104.169+/-0.019 χ^2/NDF: 1639740.1/29



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1408.030+/-308.142 χ^2/NDF:33.5/12

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

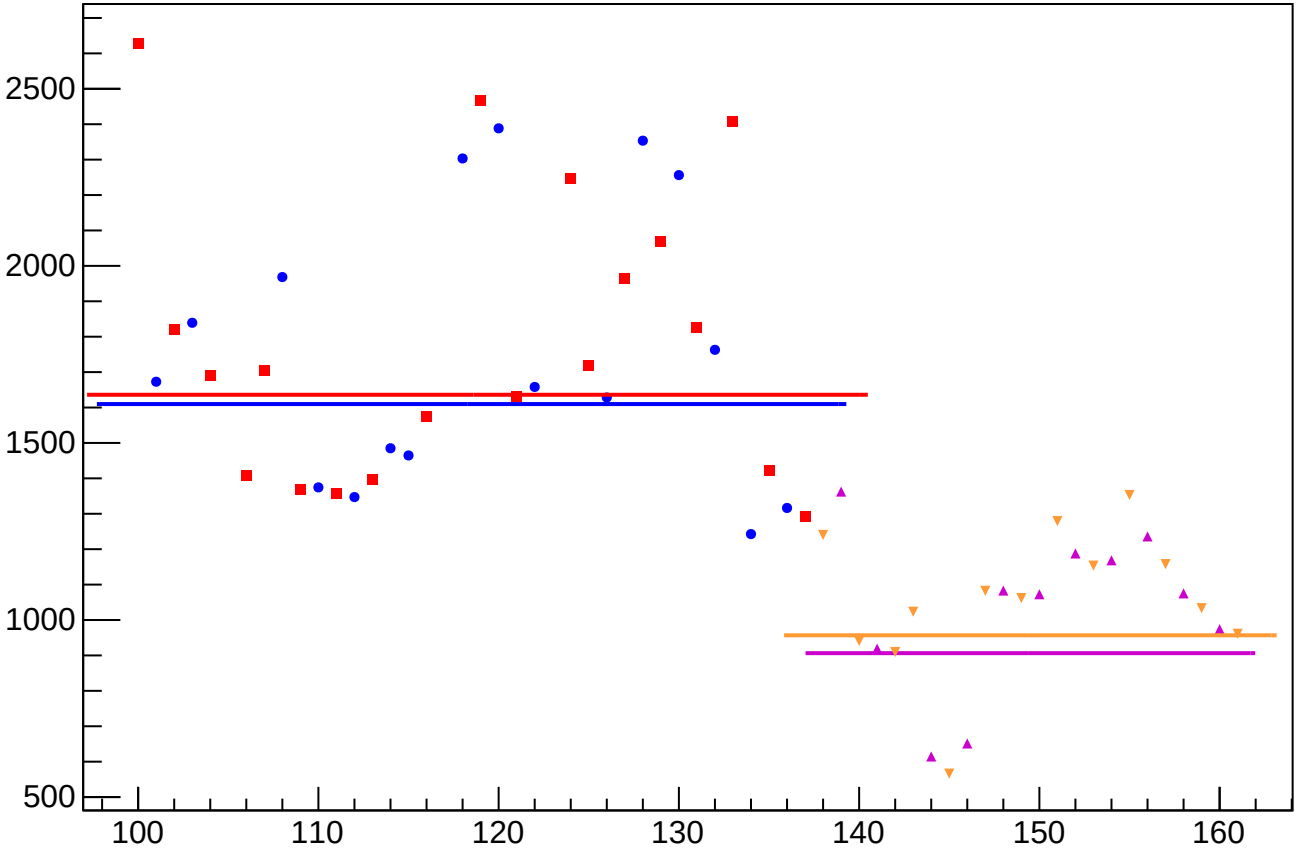
Left In: -133.703+/-305.776 χ^2/NDF:8.7/10

+ sign -1286.162+/-275.586 χ^2/NDF: 57.7/28

All: -837.439+/-194.217 χ^2/NDF: 87.8/58

- sign -394.671+/-273.751 χ^2/NDF: 24.8/29

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 956.891+/-0.218 χ^2/NDF:1236965.4/12

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

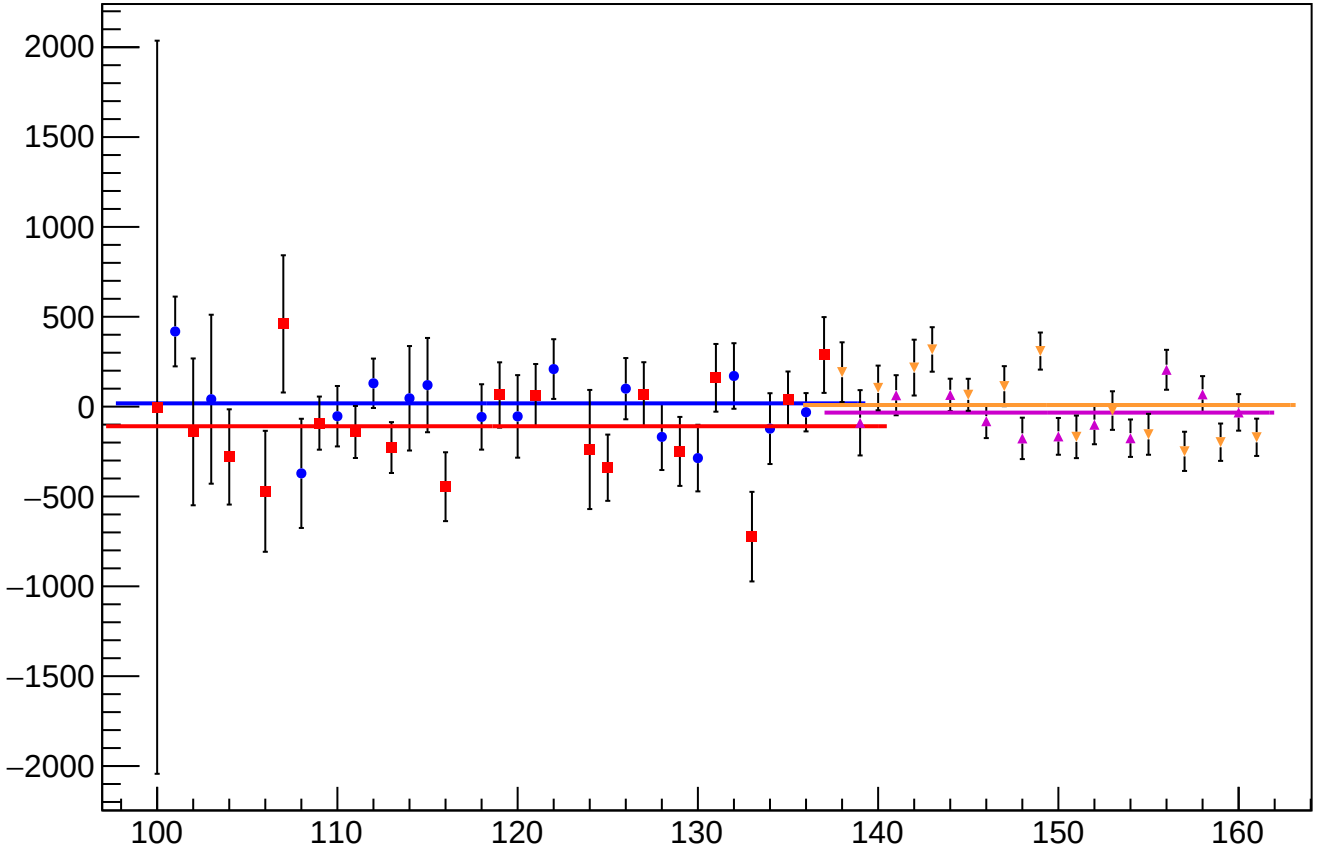
Left In: 906.439+/-0.216 χ^2/NDF:1276375.4/10

+ sign 1087.562+/-0.195 χ^2/NDF: 3653160.5/28

All: 1069.291+/-0.137 χ^2/NDF: 7735035.0/58

- sign 1051.262+/-0.194 χ^2/NDF: 4064408.4/29

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.965+/-31.418 χ^2/NDF:36.5/12

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

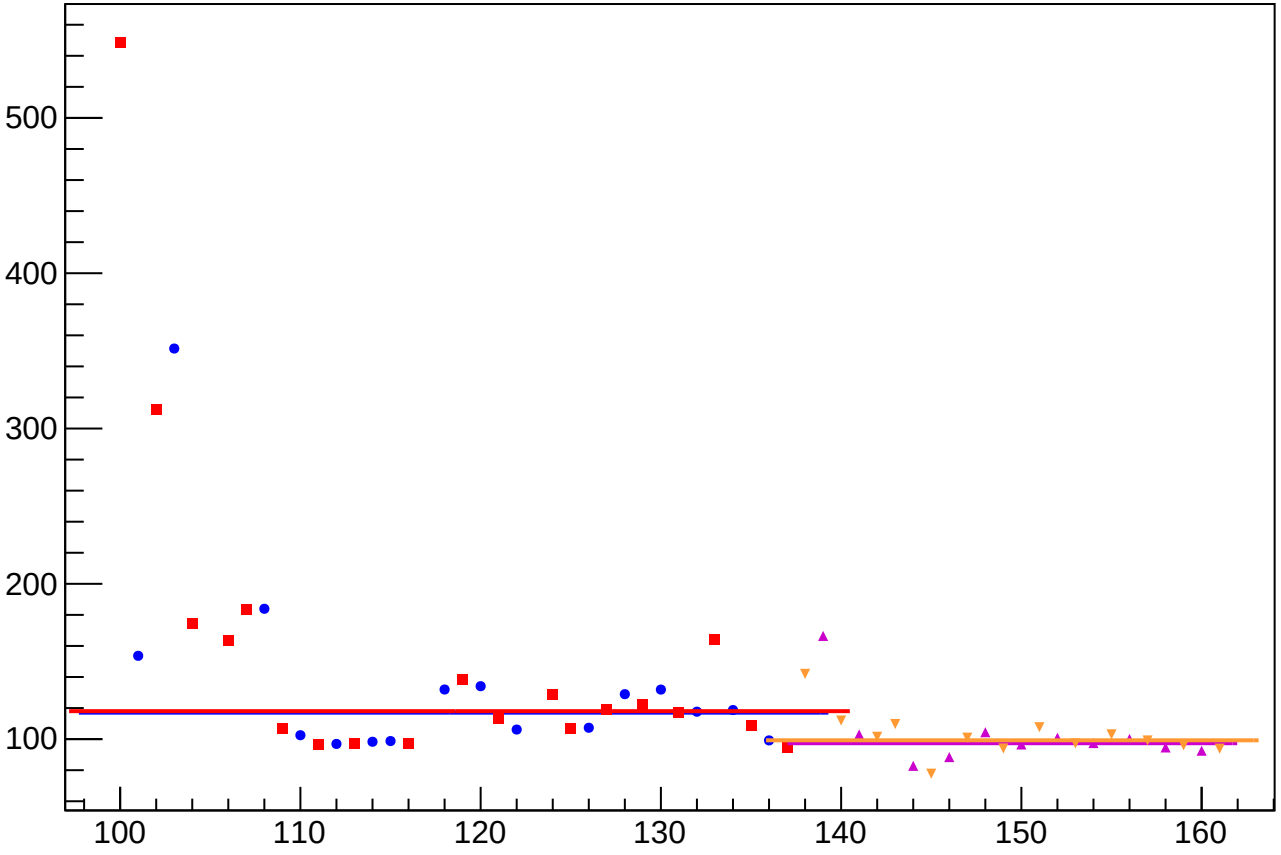
Left In: -33.308+/-32.113 χ^2/NDF:13.4/10

+ sign 11.926+/-25.891 χ^2/NDF: 50.4/28

All: -22.630+/-18.450 χ^2/NDF: 94.6/58

- sign -58.284+/-26.299 χ^2/NDF: 40.6/29

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 99.246+/-0.022 χ^2/NDF:311315.5/12

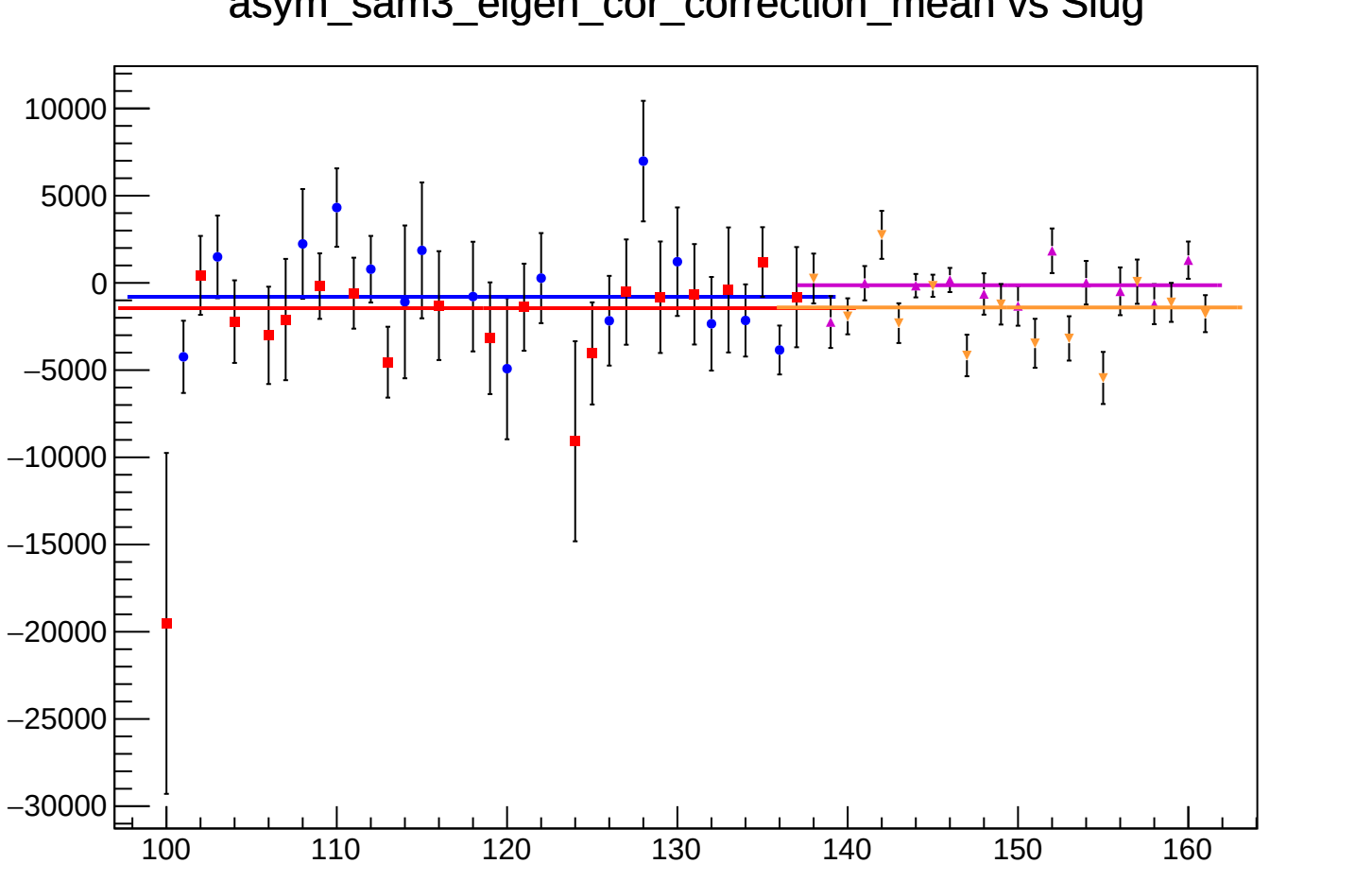
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.374+/-0.023 χ^2/NDF:381320.4/10

+ sign 104.963+/-0.018 χ^2/NDF: 1376116.6/28

All: 104.572+/-0.013 χ^2/NDF: 3016784.3/58

- sign 104.169+/-0.019 χ^2/NDF: 1639740.1/29



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1408.030+/-308.142 χ^2/NDF:33.5/12

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

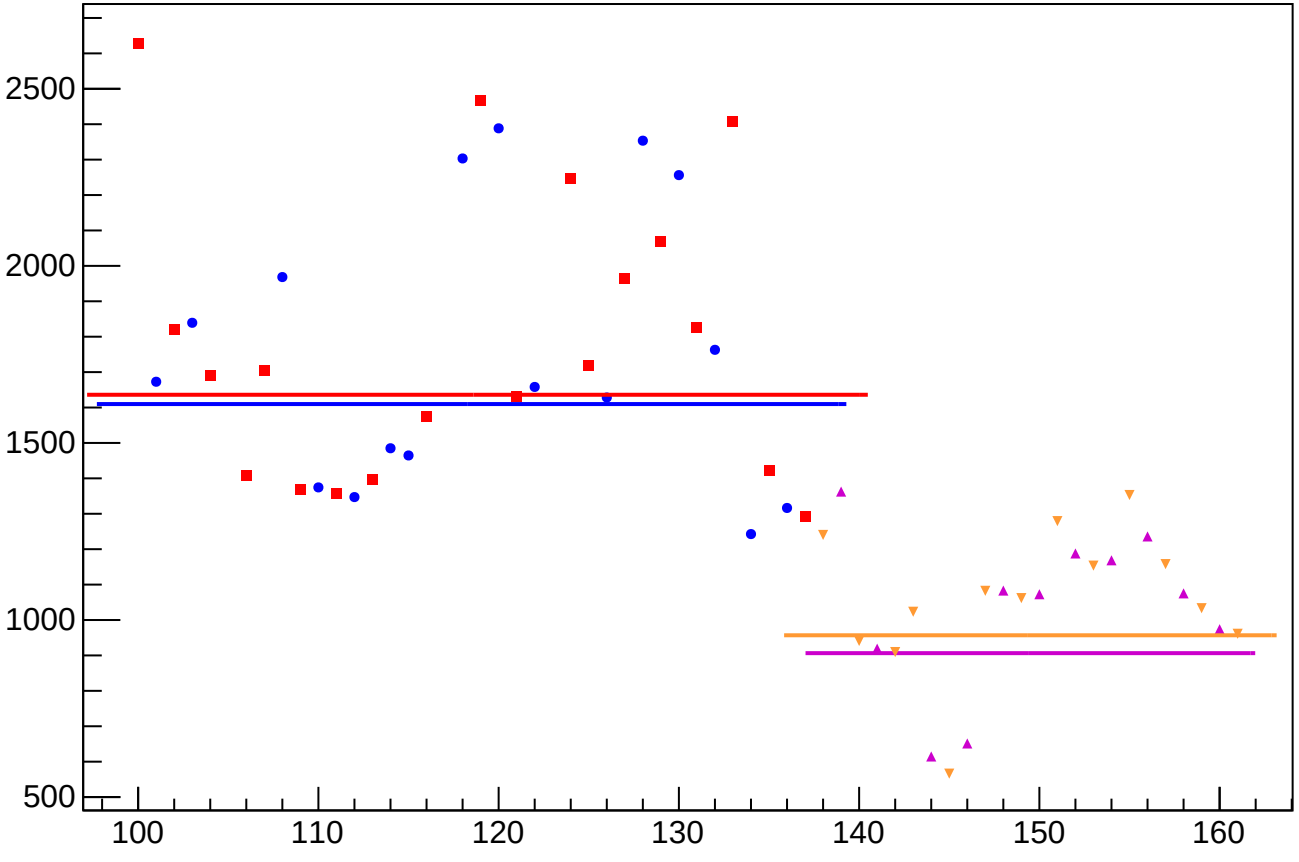
Left In: -133.703+/-305.776 χ^2/NDF:8.7/10

+ sign -1286.162+/-275.586 χ^2/NDF: 57.7/28

All: -837.439+/-194.217 χ^2/NDF: 87.8/58

- sign -394.671+/-273.751 χ^2/NDF: 24.8/29

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 956.891+/-0.218 χ^2/NDF:1236965.4/12

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

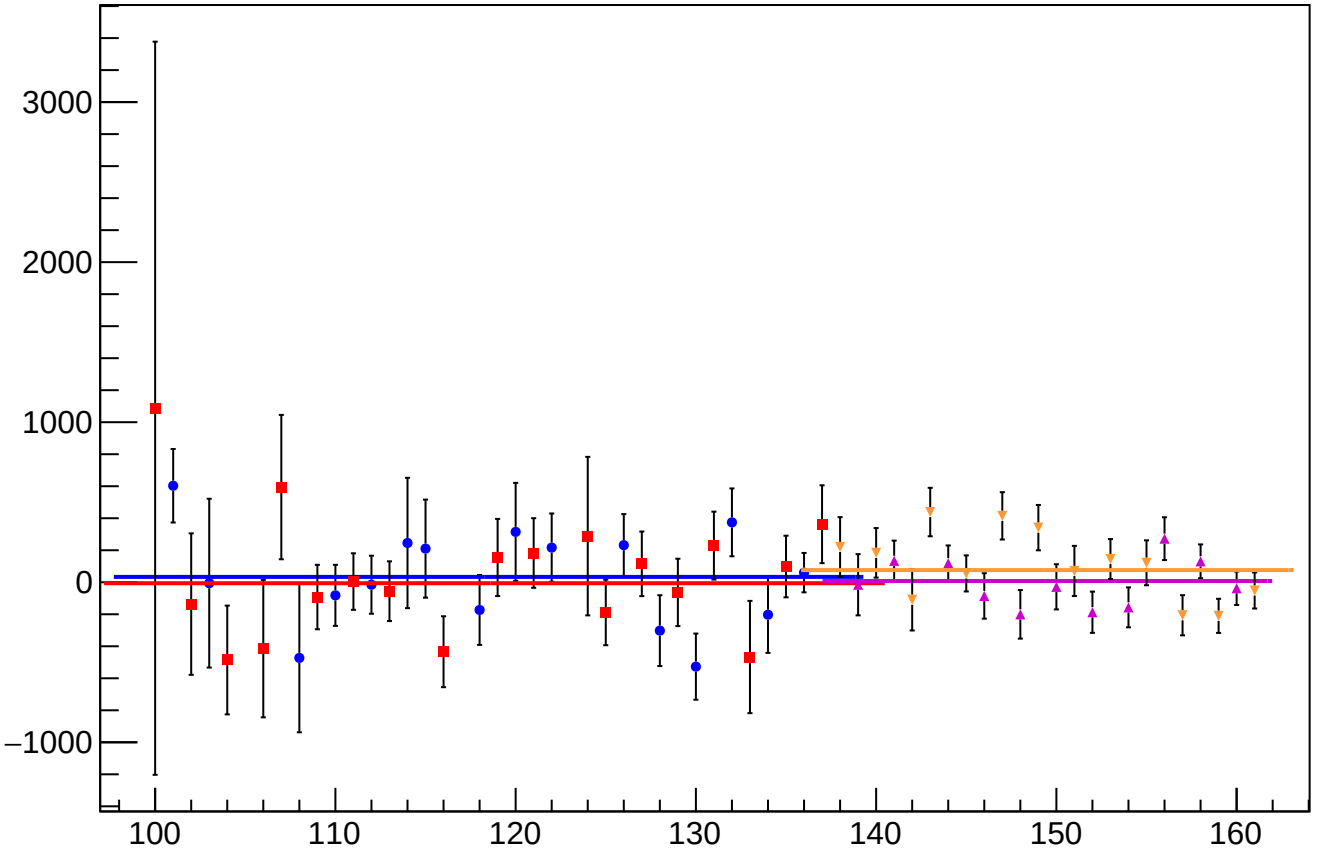
Left In: 906.439+/-0.216 χ^2/NDF:1276375.4/10

+ sign 1087.562+/-0.195 χ^2/NDF: 3653160.5/28

All: 1069.291+/-0.137 χ^2/NDF: 7735035.0/58

- sign 1051.262+/-0.194 χ^2/NDF: 4064408.4/29

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 75.871+/-37.739 χ^2/NDF:30.5/12

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

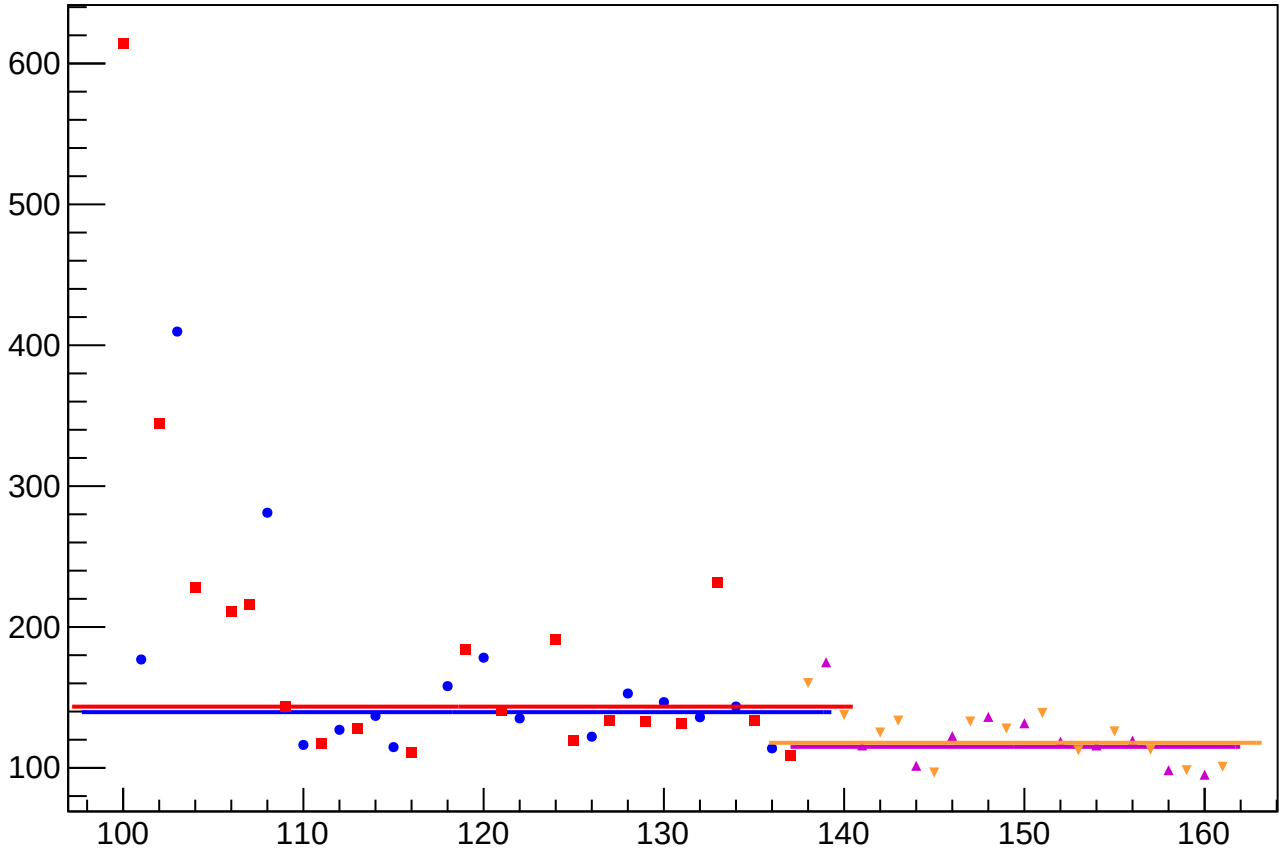
Left In: 7.767+/-38.472 χ^2/NDF:13.9/10

+ sign 62.267+/-31.101 χ^2/NDF: 56.1/28

All: 33.384+/-22.210 χ^2/NDF: 89.1/58

- sign 3.328+/-31.726 χ^2/NDF: 31.2/29

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 117.848+/-0.027 χ^2/NDF:423605.6/12

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

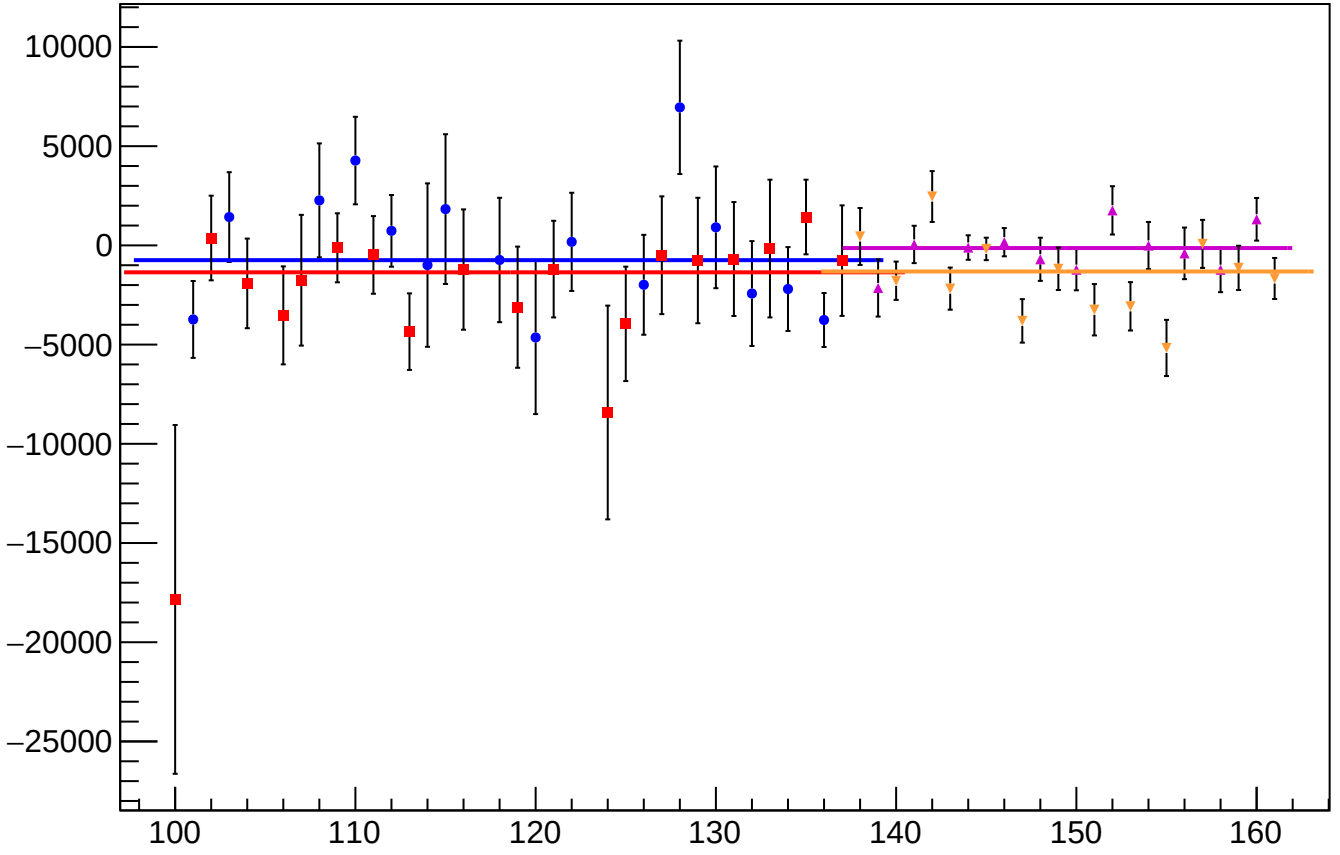
Left In: 114.951+/-0.027 χ^2/NDF:424538.3/10

+ sign 124.816+/-0.022 χ^2/NDF: 1612852.0/28

All: 124.455+/-0.016 χ^2/NDF: 3506458.5/58

- sign 124.078+/-0.022 χ^2/NDF: 1893054.9/29

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1315.876+/-287.817 χ^2/NDF:33.5/12

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

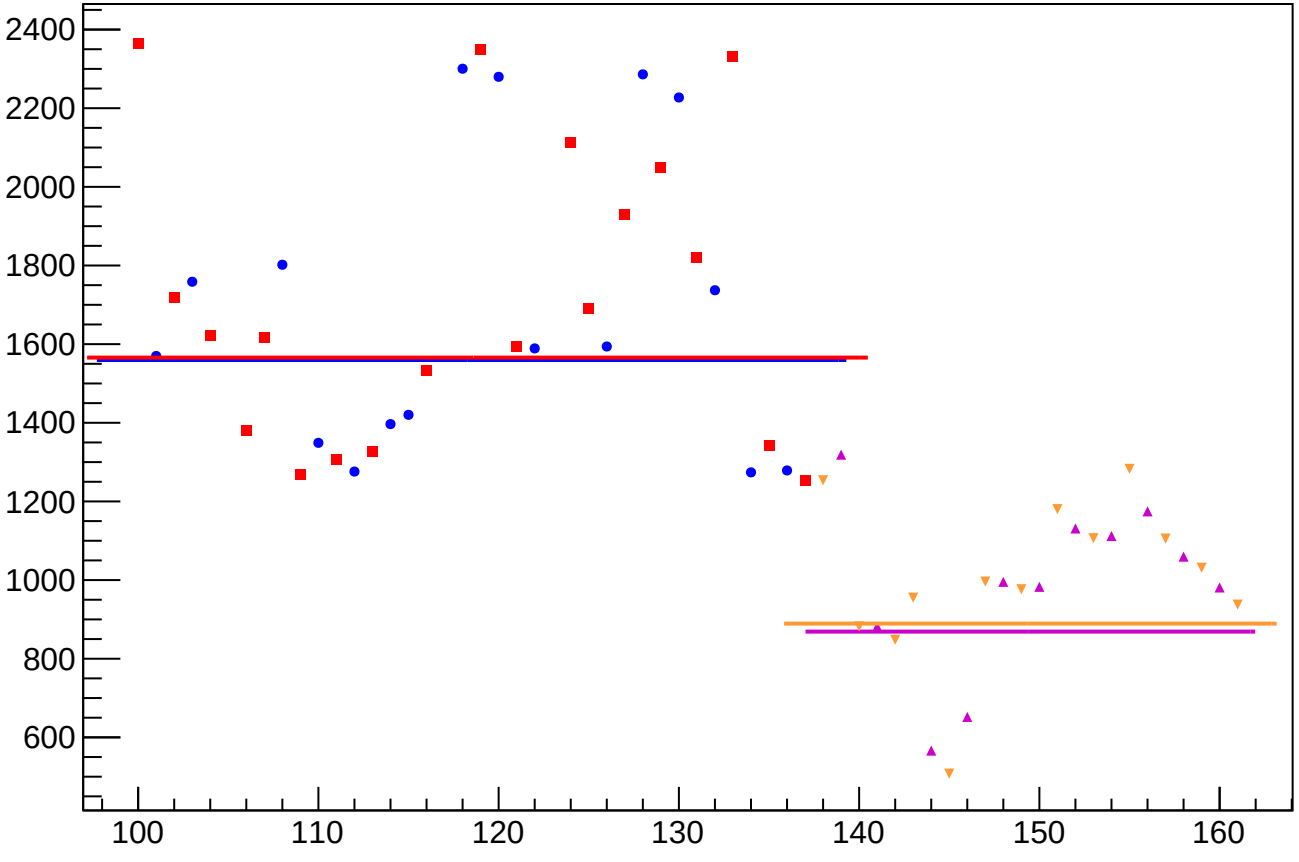
Left In: -133.949+/-293.680 χ^2/NDF:8.8/10

+ sign -1207.804+/-259.162 χ^2/NDF: 57.7/28

All: -799.143+/-184.437 χ^2/NDF: 88.5/58

- sign -379.772+/-262.536 χ^2/NDF: 25.8/29

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 889.335+/-0.204 χ^2/NDF:1499720.2/12

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

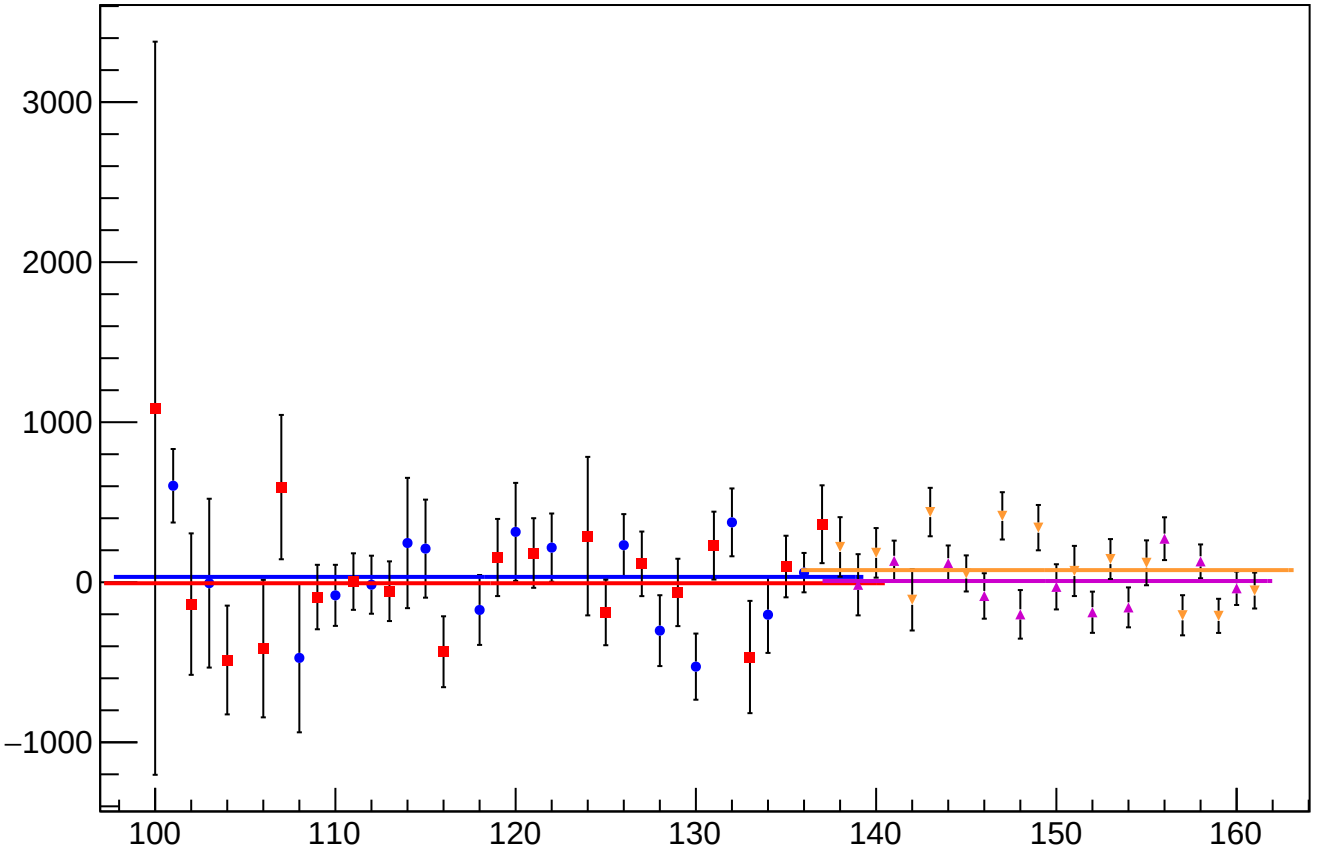
Left In: 868.980+/-0.208 χ^2/NDF:1277207.5/10

+ sign 1016.177+/-0.183 χ^2/NDF: 4156957.6/28

All: 1012.603+/-0.130 χ^2/NDF: 8260303.3/58

- sign 1008.936+/-0.186 χ^2/NDF: 4102575.1/29

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 75.874+/-37.740 χ^2/NDF:30.5/12

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

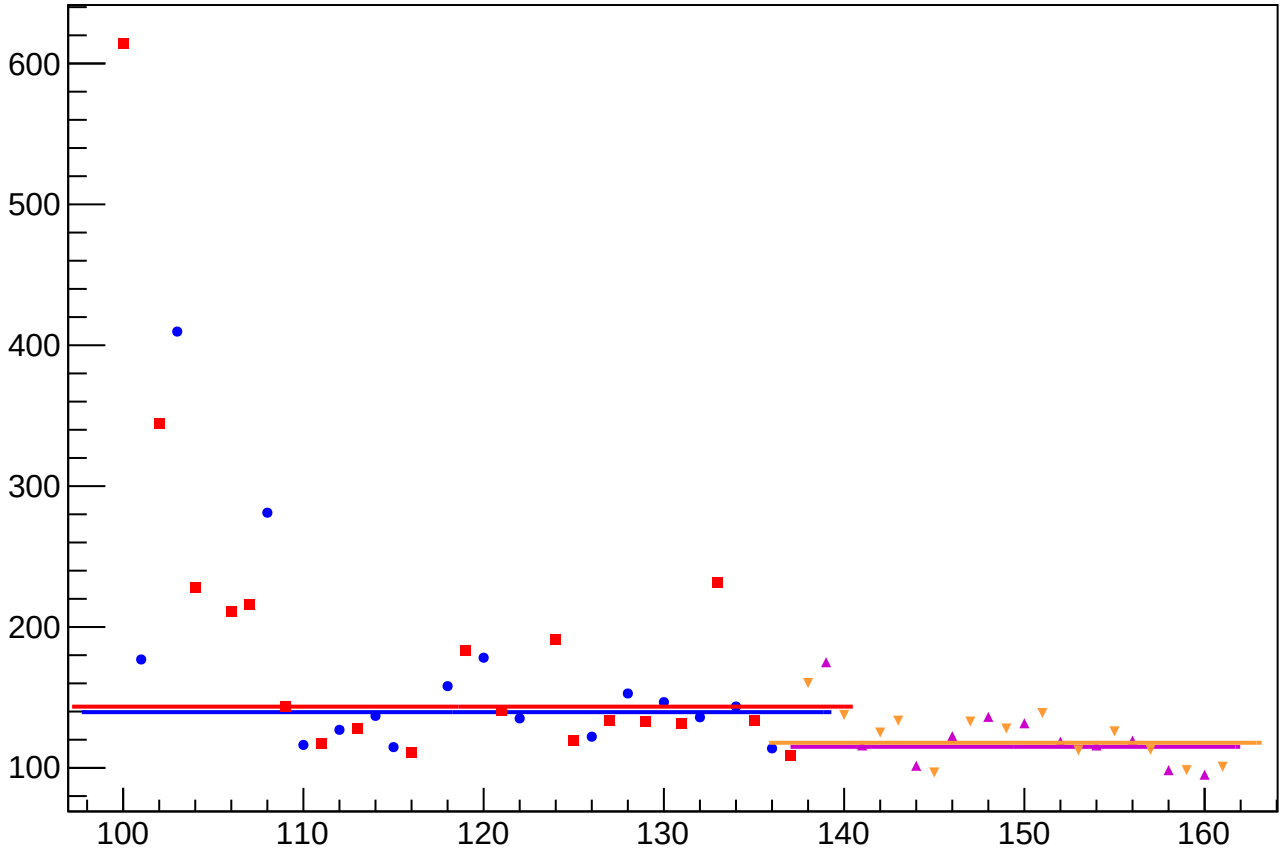
Left In: 7.768+/-38.472 χ^2/NDF:13.9/10

+ sign 62.268+/-31.102 χ^2/NDF: 56.1/28

All: 33.386+/-22.210 χ^2/NDF: 89.1/58

- sign 3.330+/-31.727 χ^2/NDF: 31.2/29

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 117.849+/-0.027 χ^2/NDF:423620.7/12

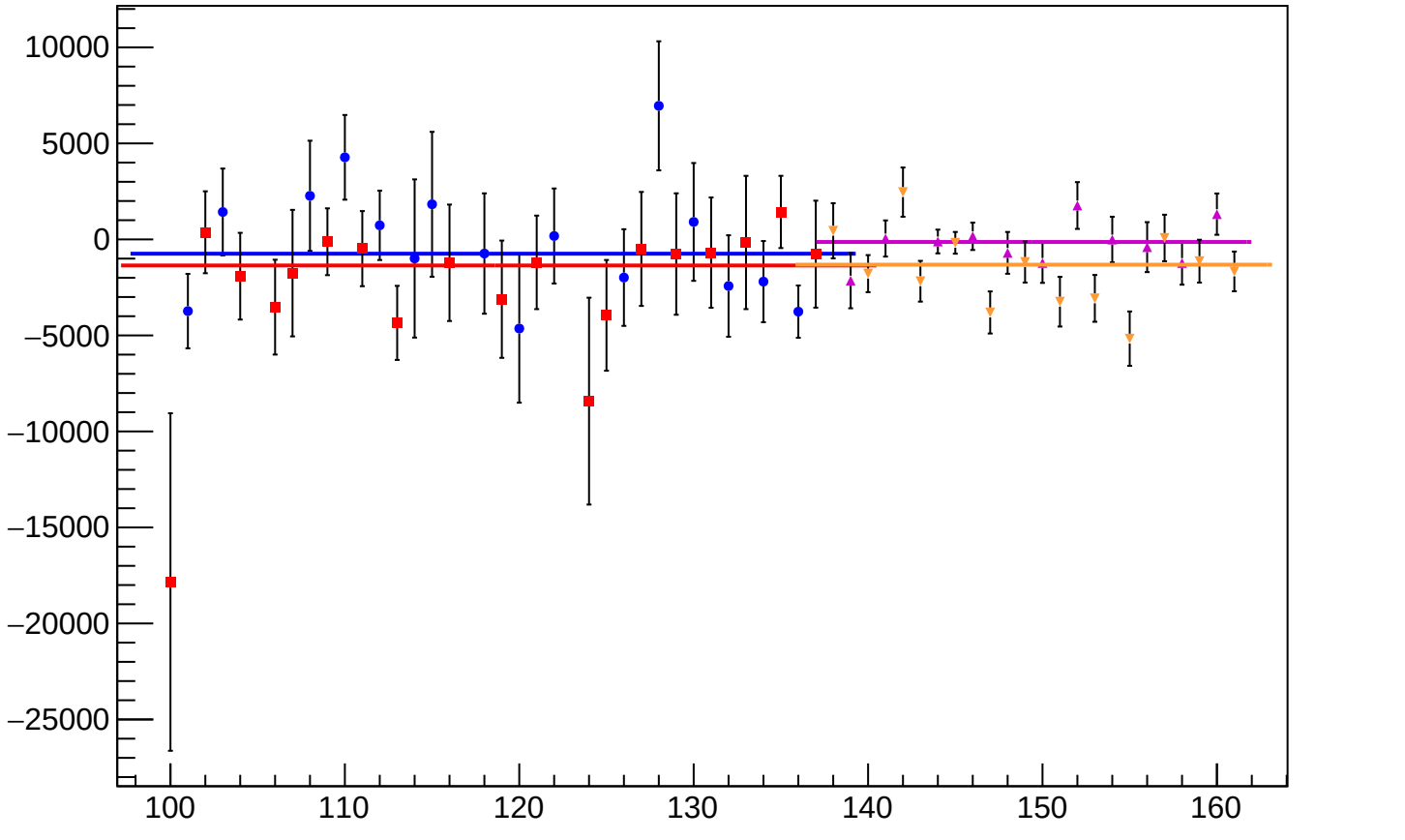
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 114.952+/-0.027 χ^2/NDF:424547.1/10

+ sign 124.817+/-0.022 χ^2/NDF: 1612862.3/28

All: 124.455+/-0.016 χ^2/NDF: 3506482.3/58

- sign 124.079+/-0.022 χ^2/NDF: 1893068.2/29



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1315.877+/-287.816 χ^2/NDF:33.5/12

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

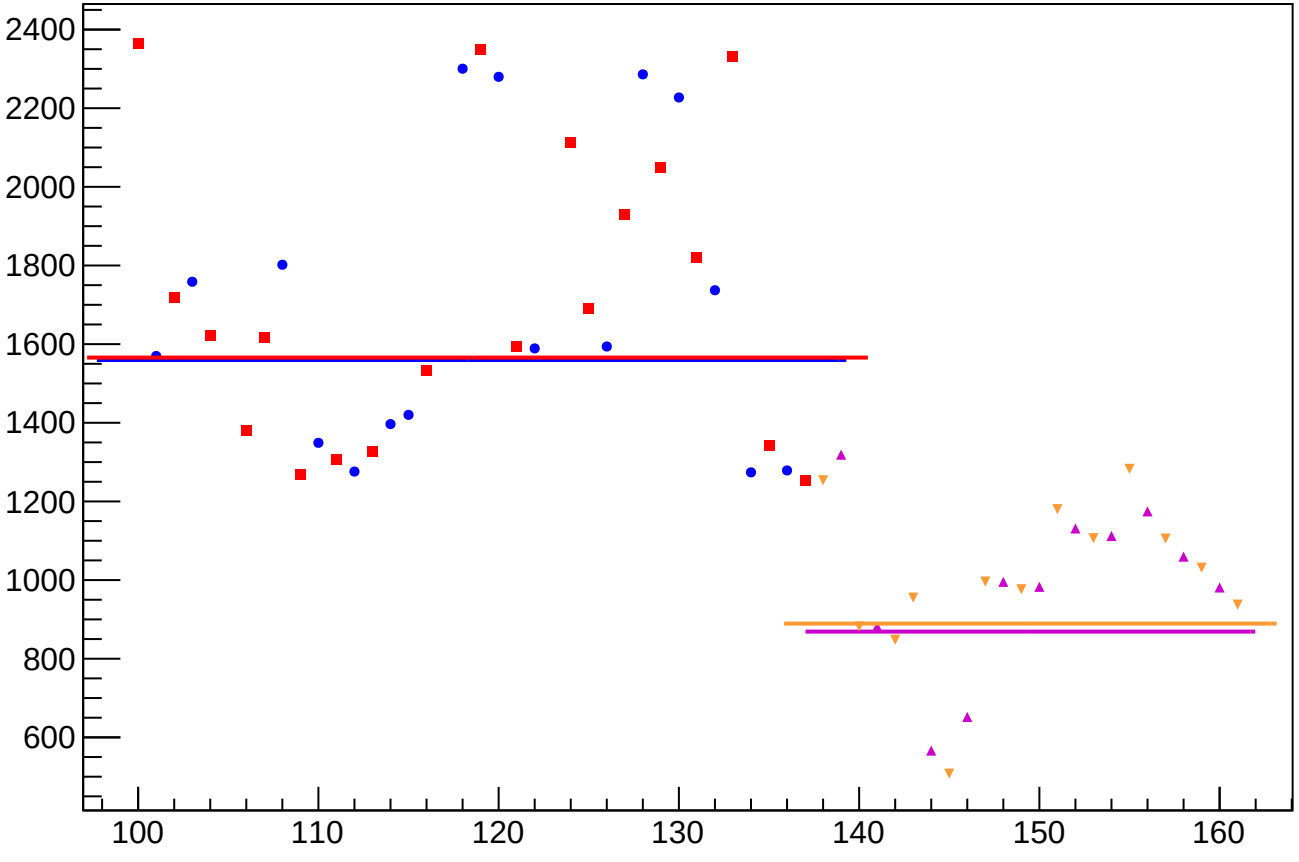
Left In: -133.948+/-293.680 χ^2/NDF:8.8/10

+ sign -1207.804+/-259.162 χ^2/NDF: 57.7/28

All: -799.143+/-184.437 χ^2/NDF: 88.5/58

- sign -379.772+/-262.536 χ^2/NDF: 25.8/29

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 889.334+/-0.204 χ^2/NDF:1499717.0/12

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

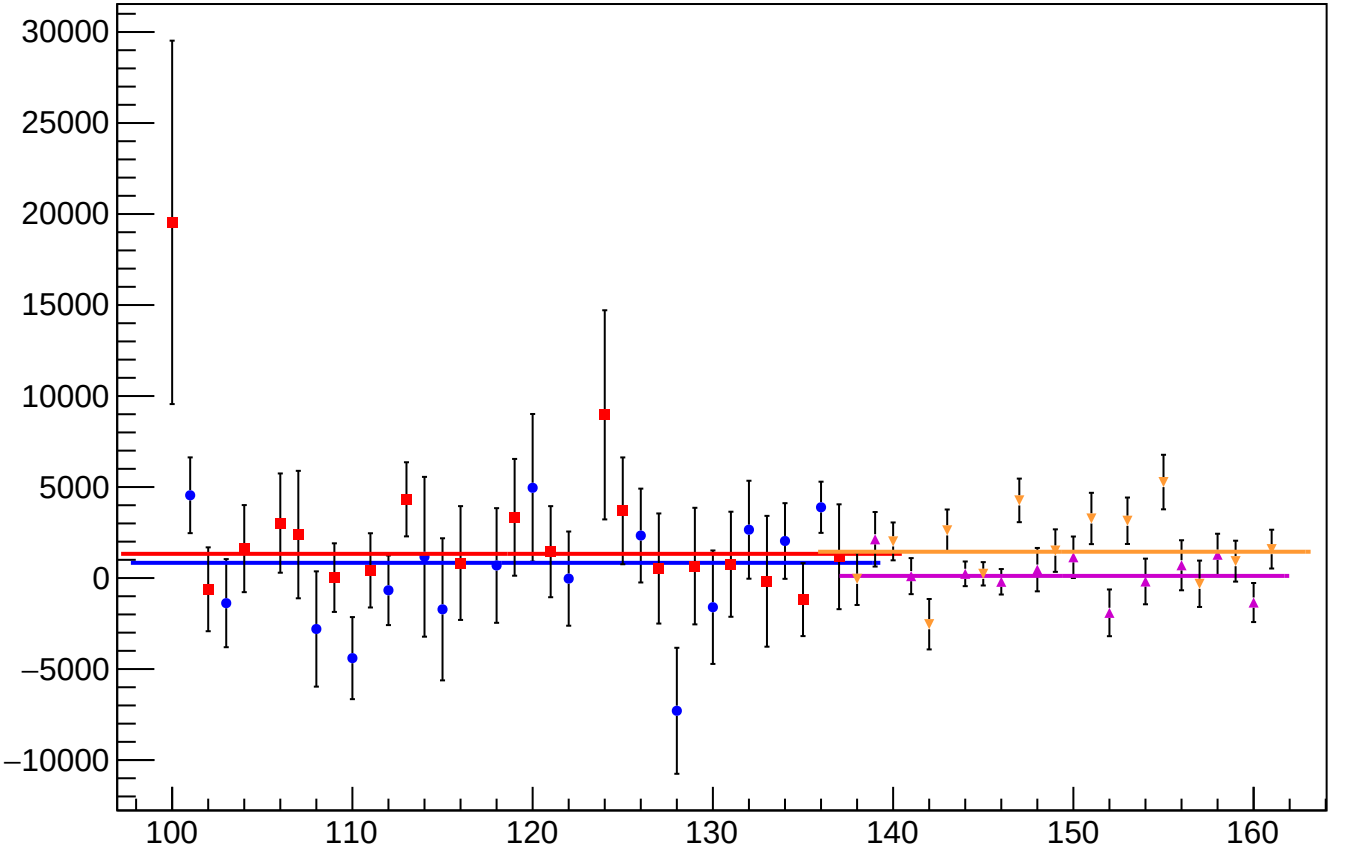
Left In: 868.979+/-0.208 χ^2/NDF:1277204.6/10

+ sign 1016.176+/-0.183 χ^2/NDF: 4156955.9/28

All: 1012.602+/-0.130 χ^2/NDF: 8260295.5/58

- sign 1008.935+/-0.186 χ^2/NDF: 4102569.1/29

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1445.058+/-310.081 χ^2/NDF:31.9/12

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

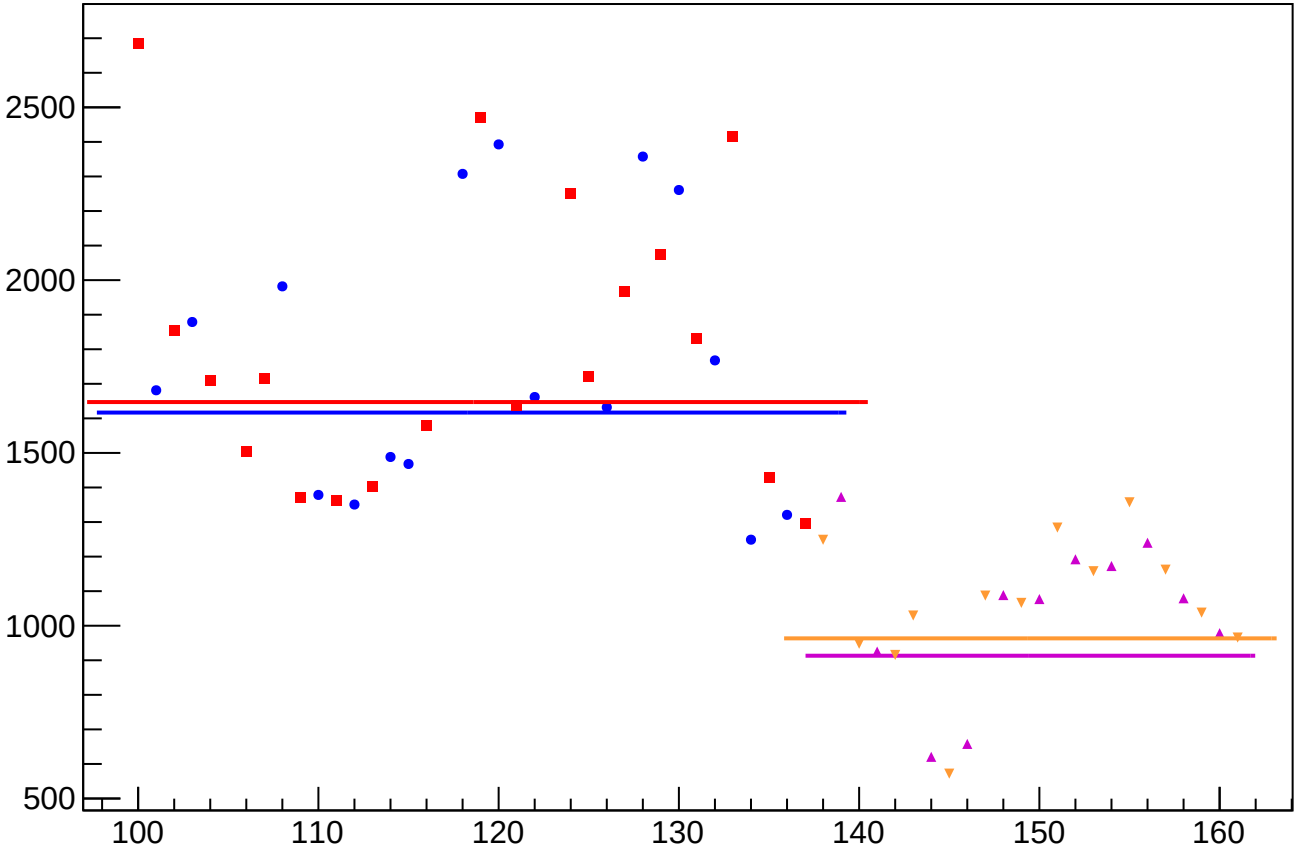
Left In: 117.497+/-307.851 χ^2/NDF:8.6/10

+ sign 1322.710+/-277.221 χ^2/NDF: 57.6/28

All: 837.931+/-195.383 χ^2/NDF: 87.5/58

- sign 359.449+/-275.415 χ^2/NDF: 23.8/29

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 963.418+/-0.219 χ^2/NDF:1214352.0/12

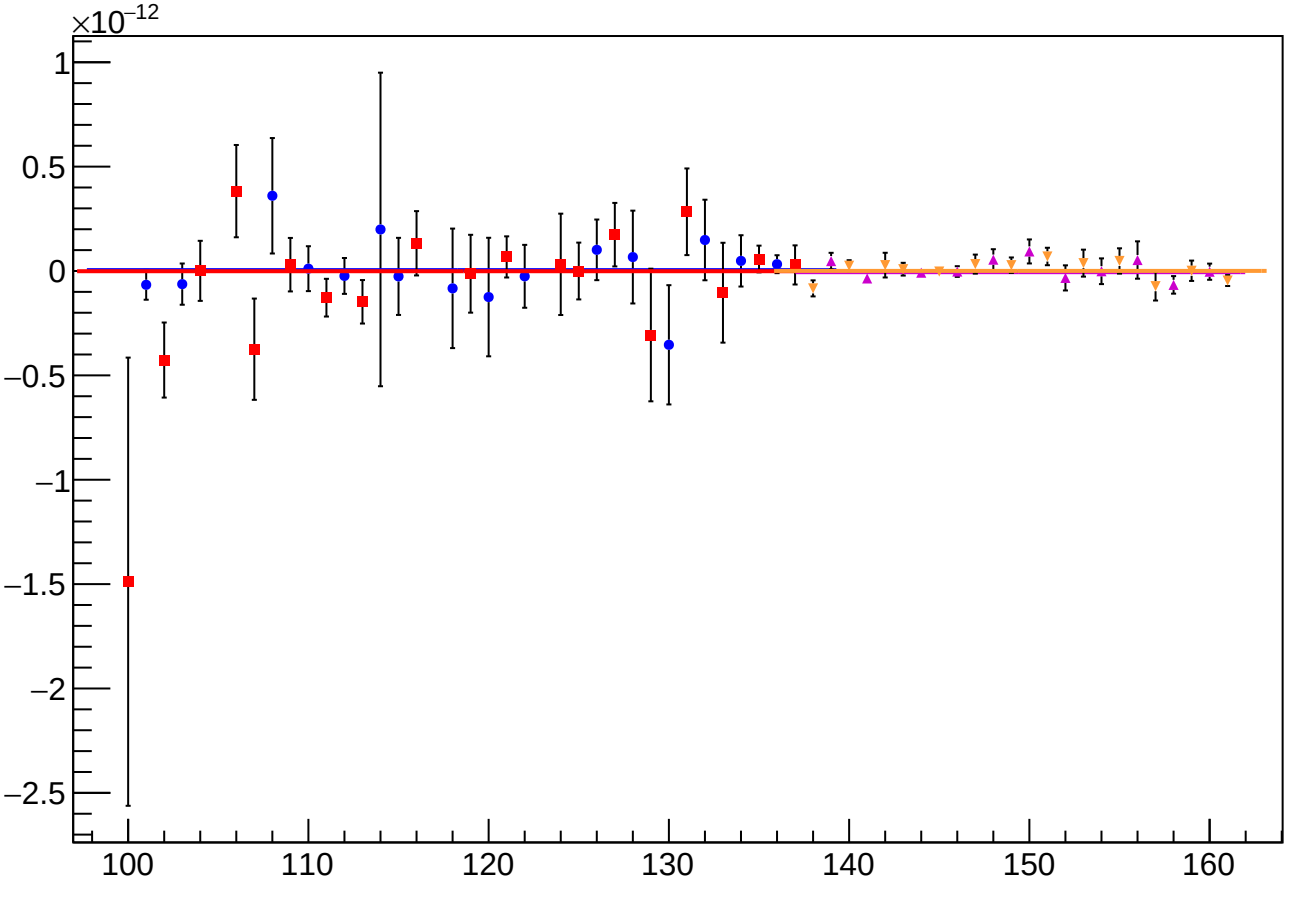
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 913.183+/-0.218 χ^2/NDF:1253908.3/10

+ sign 1094.562+/-0.196 χ^2/NDF: 3618996.7/28

All: 1077.025+/-0.138 χ^2/NDF: 7682556.4/58

- sign 1059.715+/-0.195 χ^2/NDF: 4047655.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/12

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

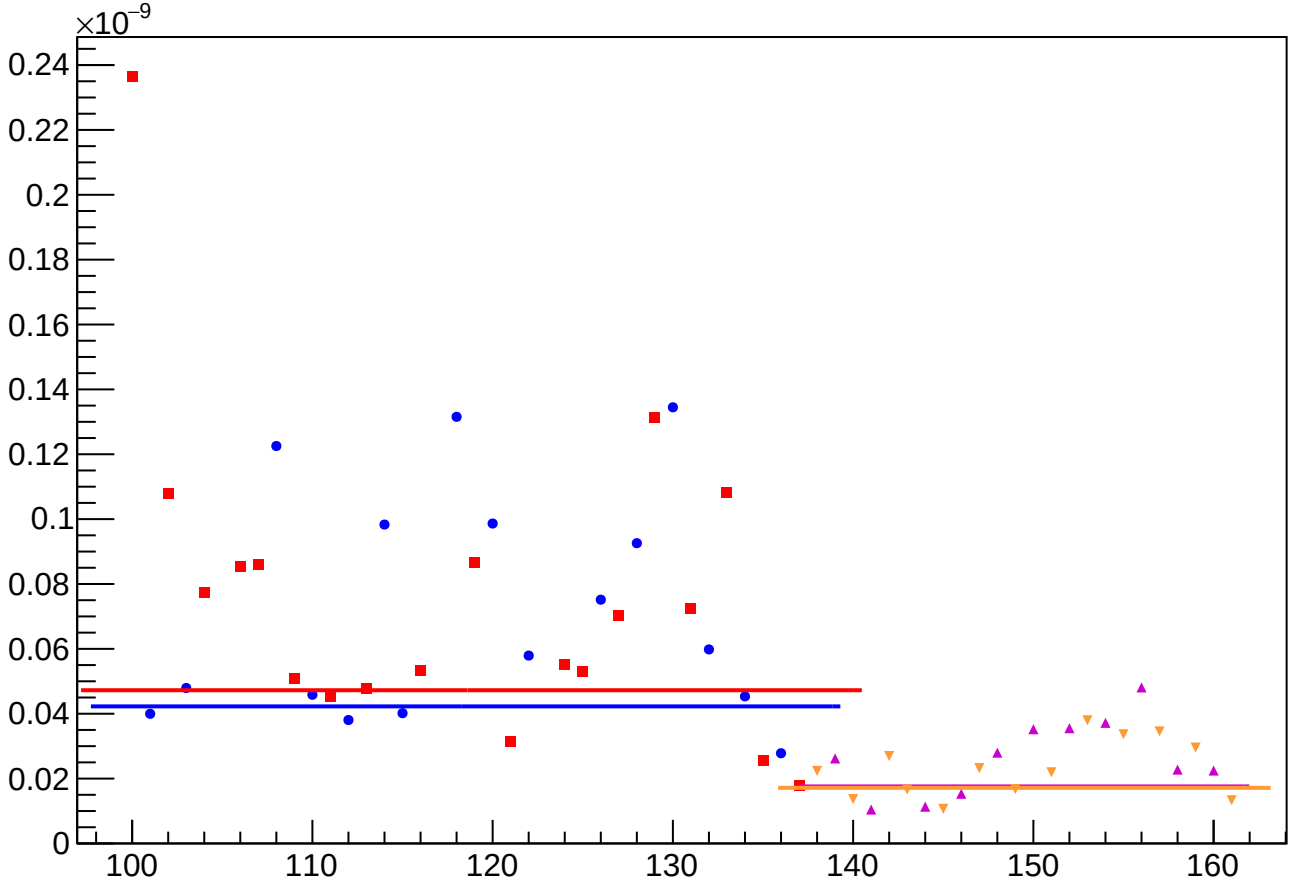
Left In: -0.000+/-0.000 χ^2/NDF:10.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 21.8/28

All: -0.000+/-0.000 χ^2/NDF: 56.0/58

- sign -0.000+/-0.000 χ^2/NDF: 34.0/29

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:1092342.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

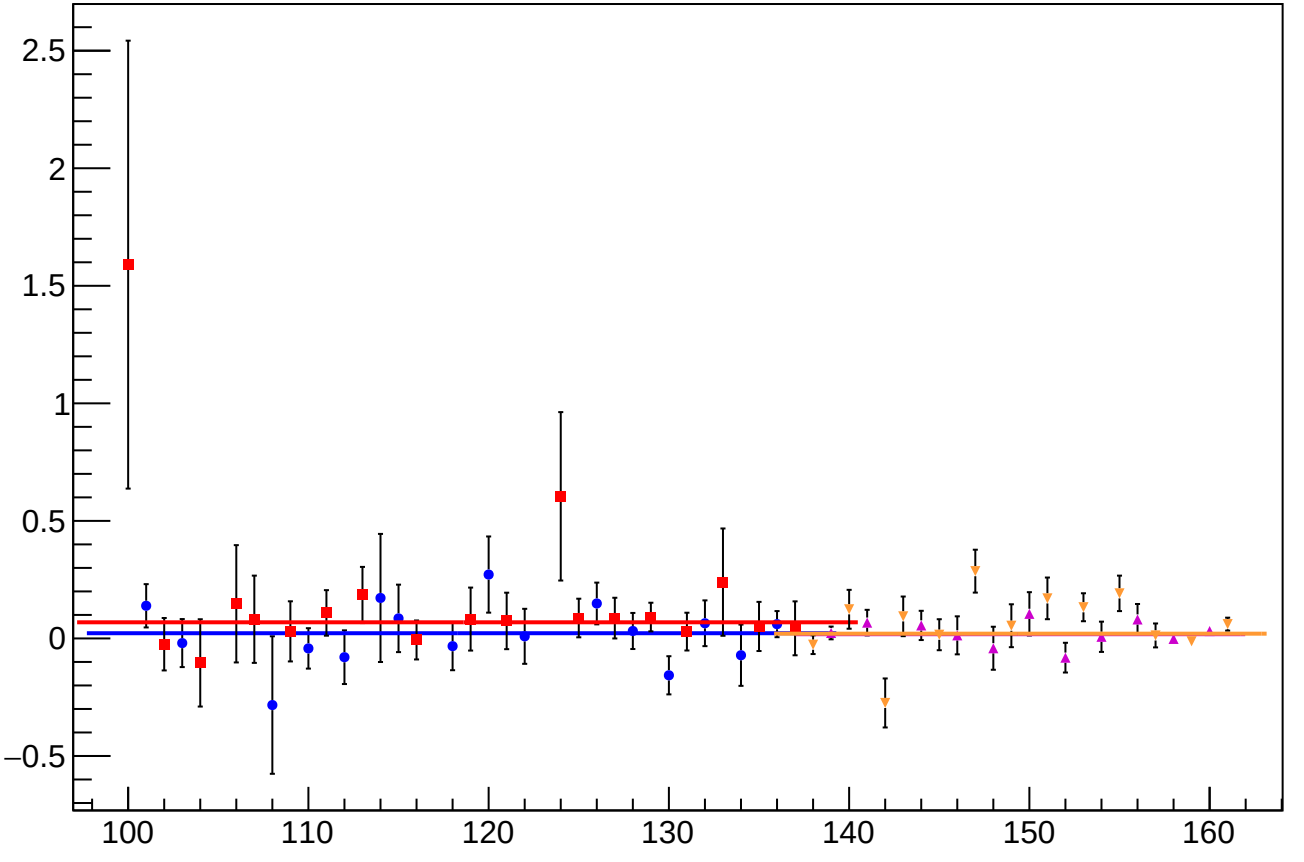
Left In: 0.000+/-0.000 χ^2/NDF:1478271.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 3750853.6/28

All: 0.000+/-0.000 χ^2/NDF: 8365806.1/58

- sign 0.000+/-0.000 χ^2/NDF: 4609848.4/29

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.011 χ^2/NDF:38.5/12

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

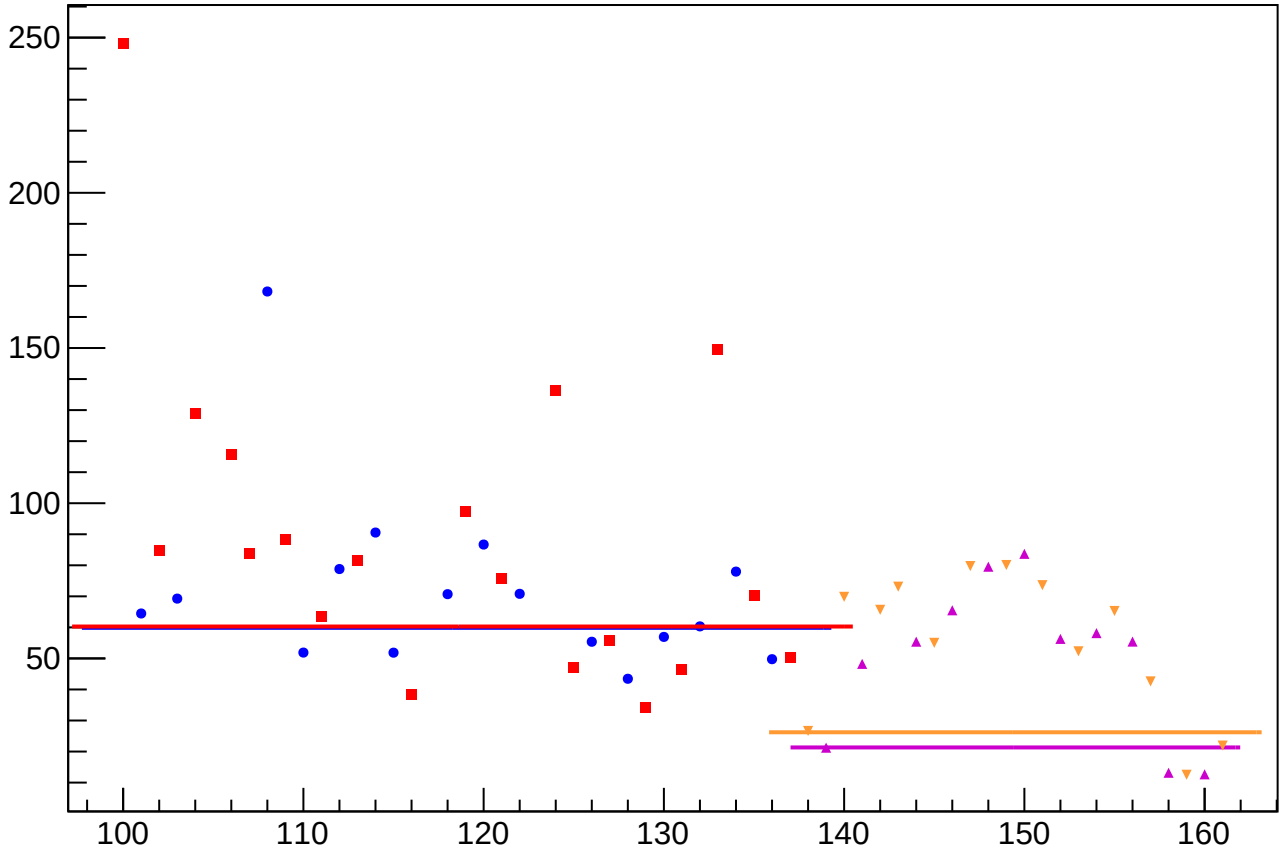
Left In: 0.018+/-0.010 χ^2/NDF:8.2/10

+ sign 0.021+/-0.010 χ^2/NDF: 54.0/28

All: 0.023+/-0.007 χ^2/NDF: 75.4/58

- sign 0.024+/-0.009 χ^2/NDF: 21.3/29

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.211+/-0.008 χ^2/NDF:6549456.9/12

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

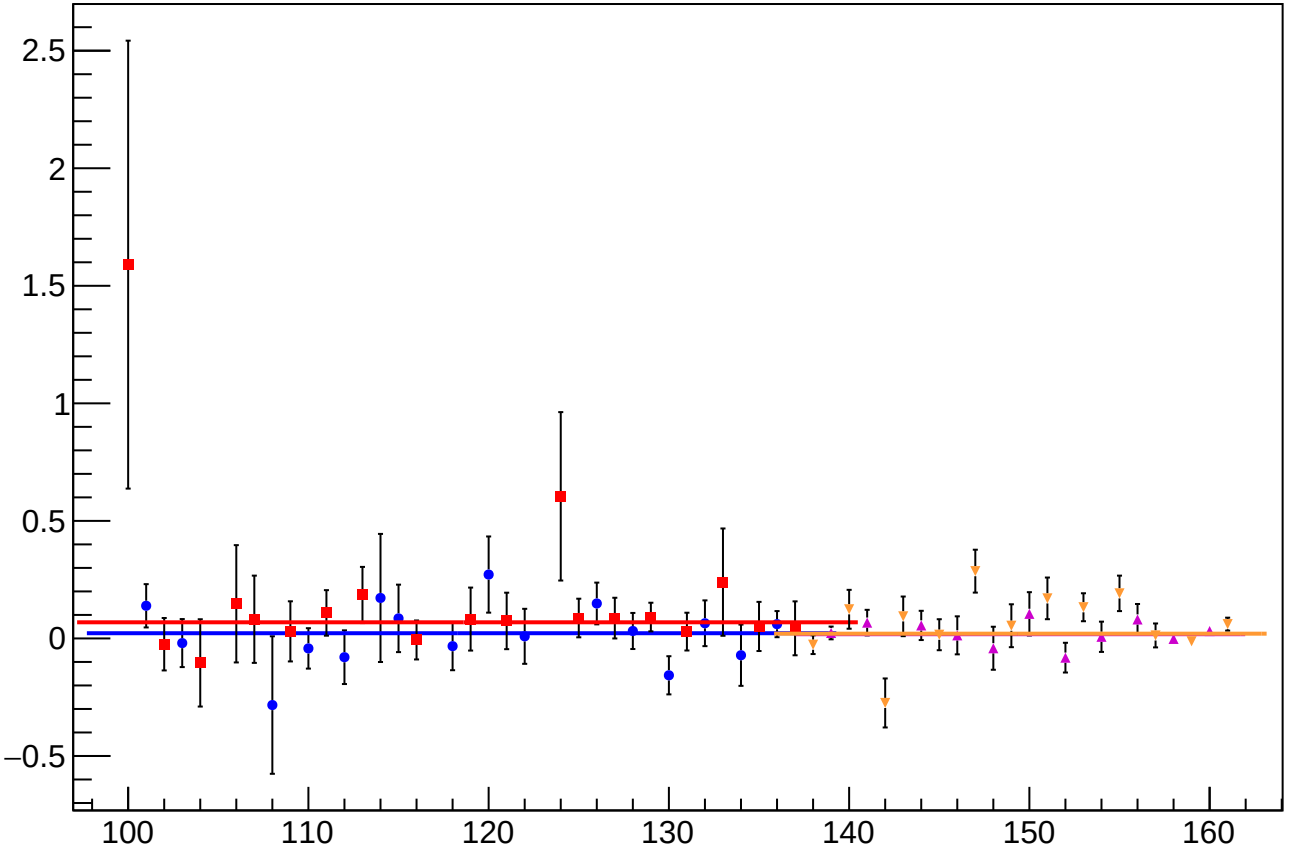
Left In: 21.324+/-0.007 χ^2/NDF:6303307.7/10

+ sign 31.971+/-0.007 χ^2/NDF: 10332675.2/28

All: 28.778+/-0.005 χ^2/NDF: 23106470.6/58

- sign 26.285+/-0.006 χ^2/NDF: 12425300.9/29

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.011 χ^2/NDF:38.5/12

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

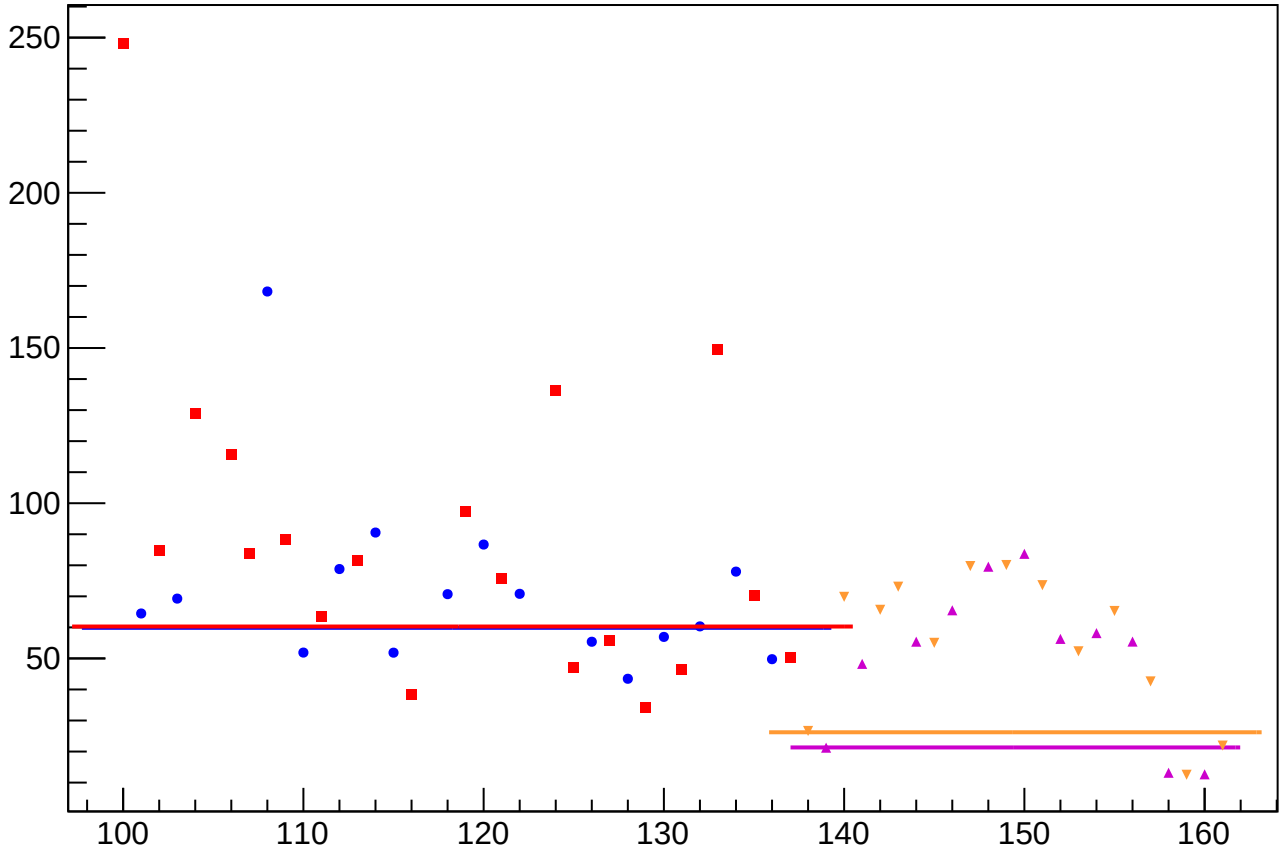
Left In: 0.018+/-0.010 χ^2/NDF:8.2/10

+ sign 0.021+/-0.010 χ^2/NDF: 54.0/28

All: 0.023+/-0.007 χ^2/NDF: 75.4/58

- sign 0.024+/-0.009 χ^2/NDF: 21.3/29

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.211+/-0.008 χ^2/NDF:6549456.9/12

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

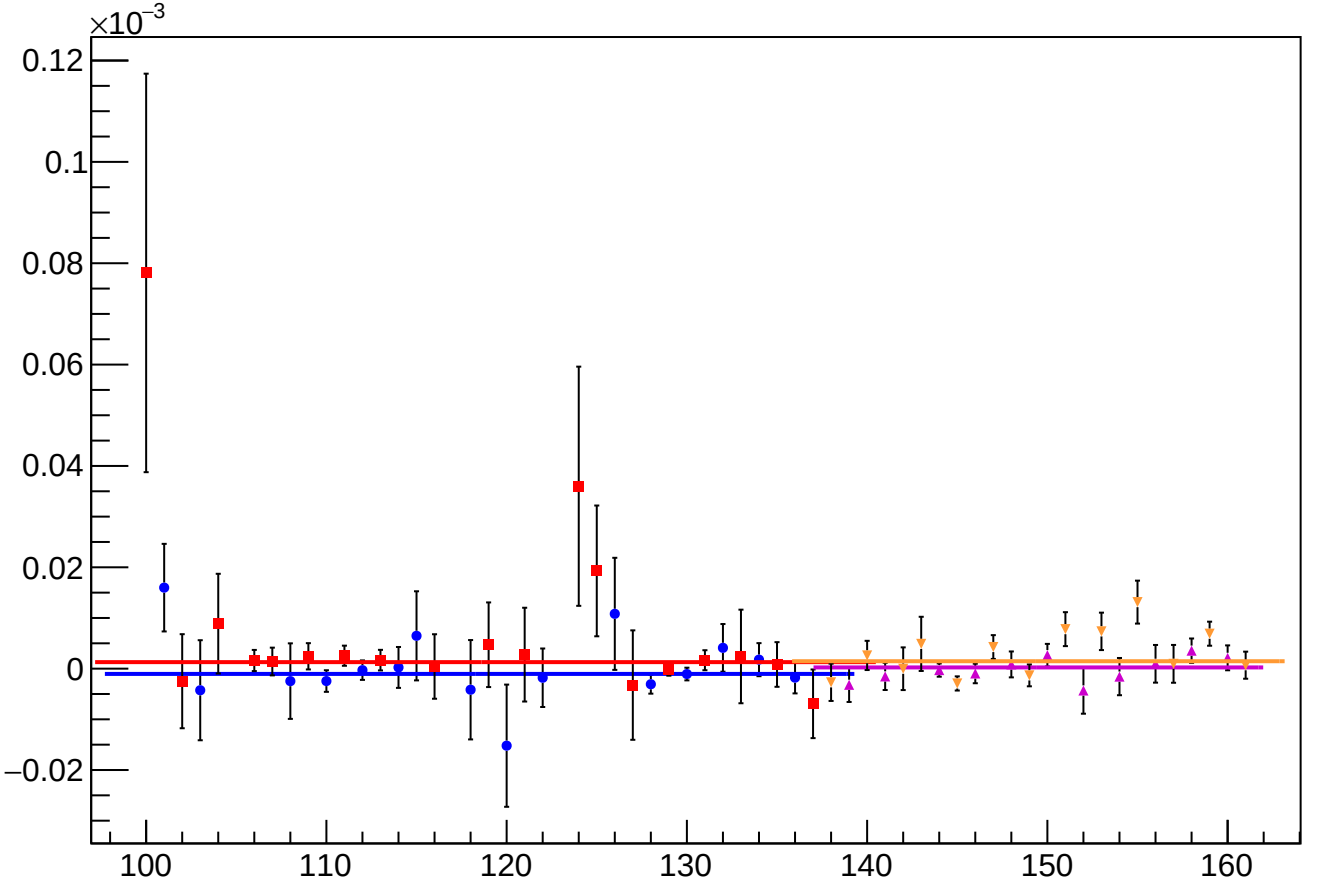
Left In: 21.324+/-0.007 χ^2/NDF:6303307.7/10

+ sign 31.971+/-0.007 χ^2/NDF: 10332675.2/28

All: 28.778+/-0.005 χ^2/NDF: 23106470.6/58

- sign 26.285+/-0.006 χ^2/NDF: 12425300.9/29

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:33.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

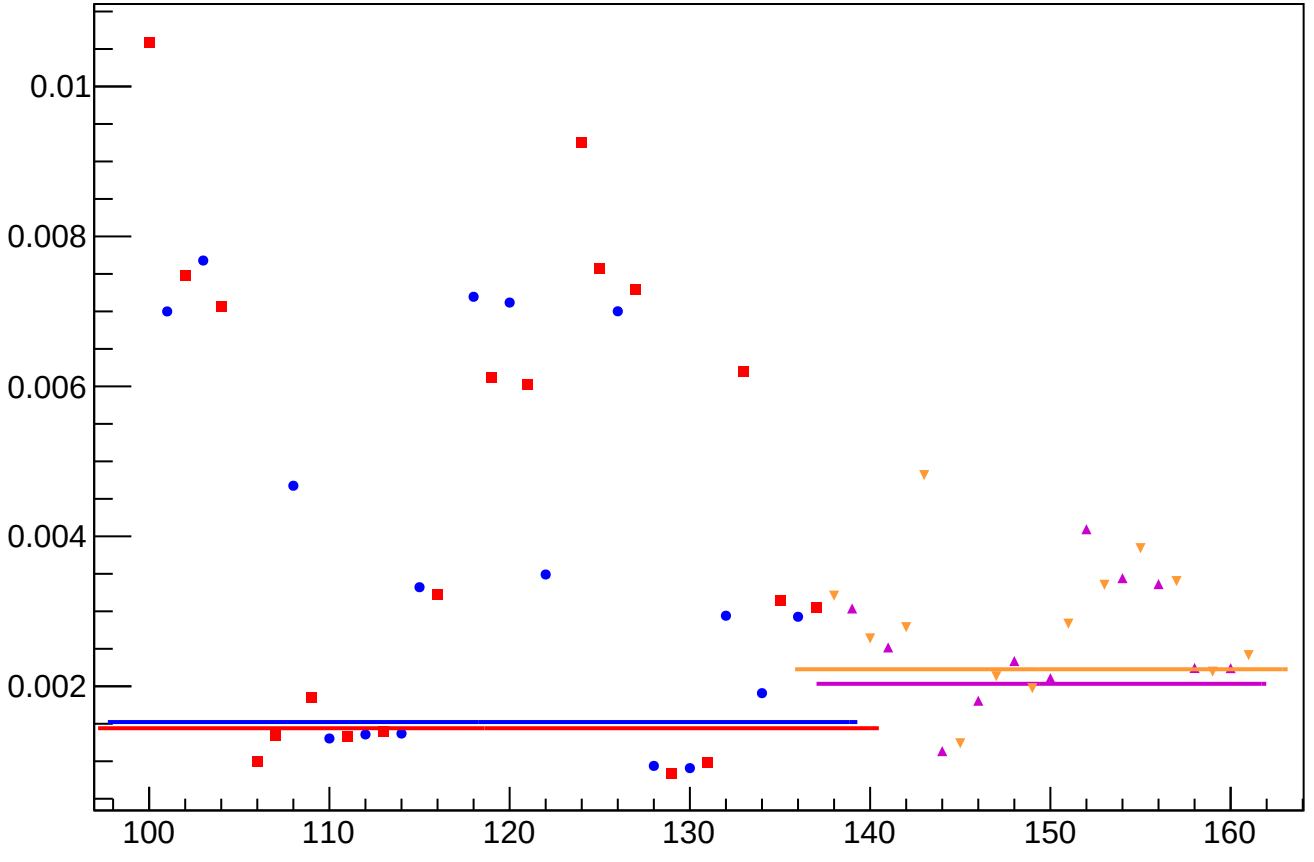
Left In: 0.000+/-0.000 χ^2/NDF:7.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 50.9/28

All: 0.000+/-0.000 χ^2/NDF: 72.1/58

- sign 0.000+/-0.000 χ^2/NDF: 20.5/29

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:2467353.4/12

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

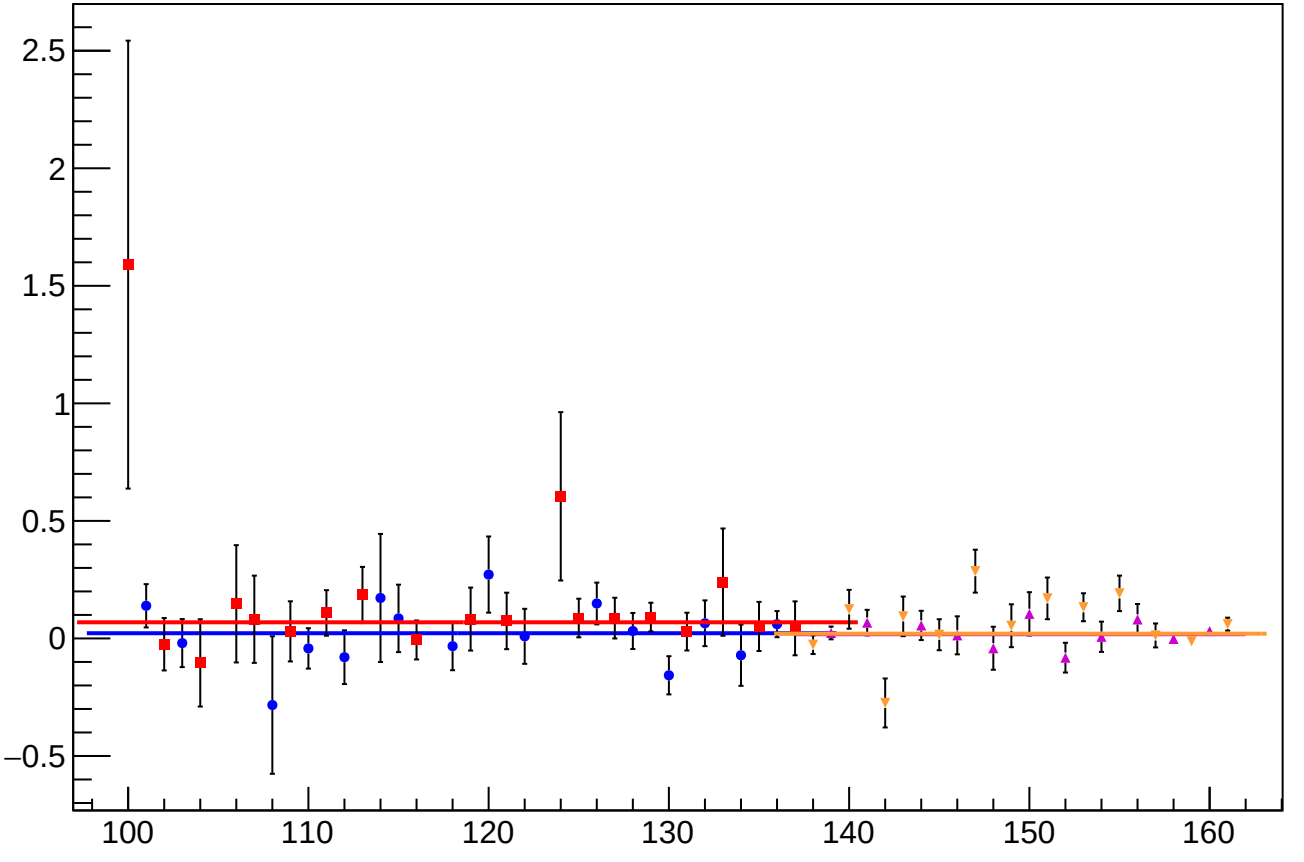
Left In: 0.002+/-0.000 χ^2/NDF:2228196.6/10

+ sign 0.002+/-0.000 χ^2/NDF: 8550782.1/28

All: 0.002+/-0.000 χ^2/NDF: 17348354.6/58

- sign 0.002+/-0.000 χ^2/NDF: 8721999.5/29

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.011 χ^2/NDF:38.5/12

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

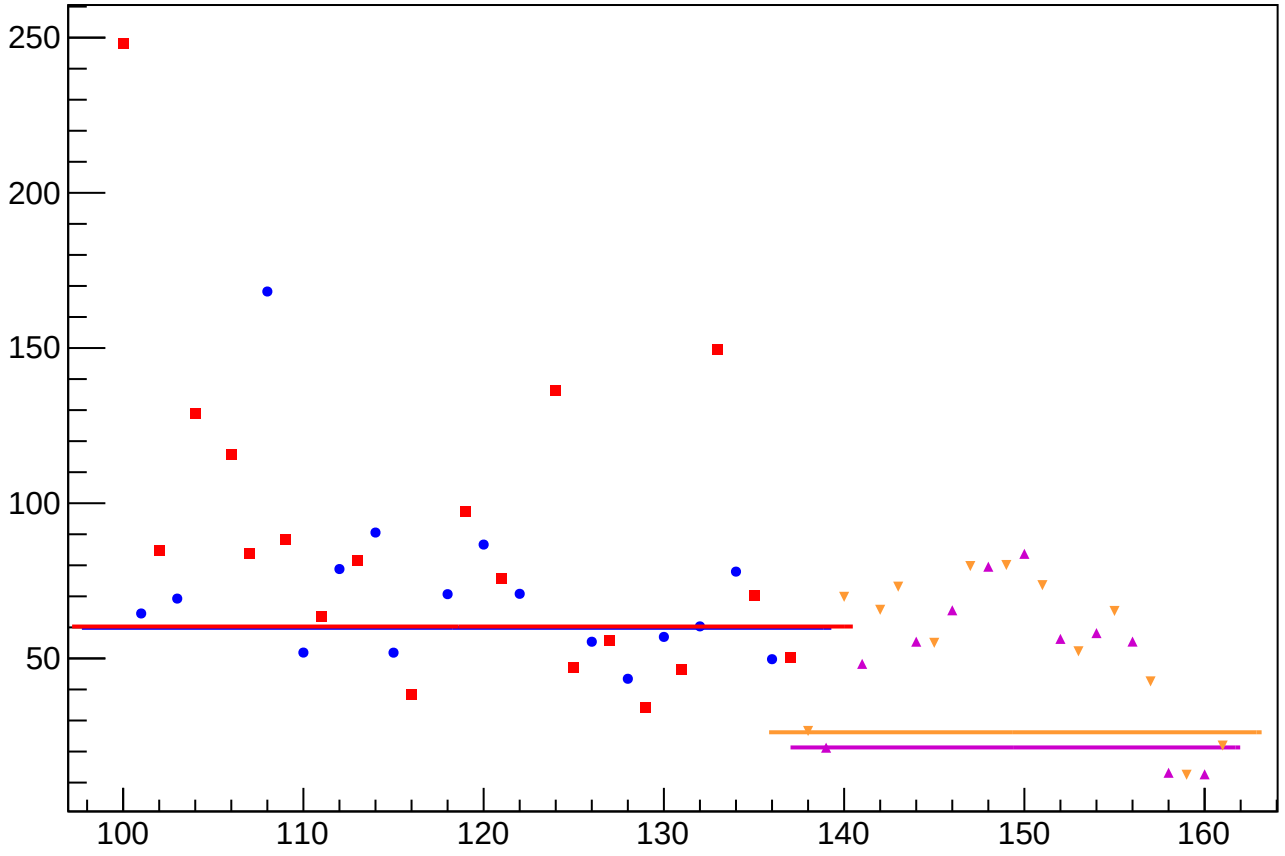
Left In: 0.018+/-0.010 χ^2/NDF:8.2/10

+ sign 0.021+/-0.010 χ^2/NDF: 54.0/28

All: 0.023+/-0.007 χ^2/NDF: 75.4/58

- sign 0.024+/-0.009 χ^2/NDF: 21.3/29

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.209+/-0.008 χ^2/NDF:6550353.6/12

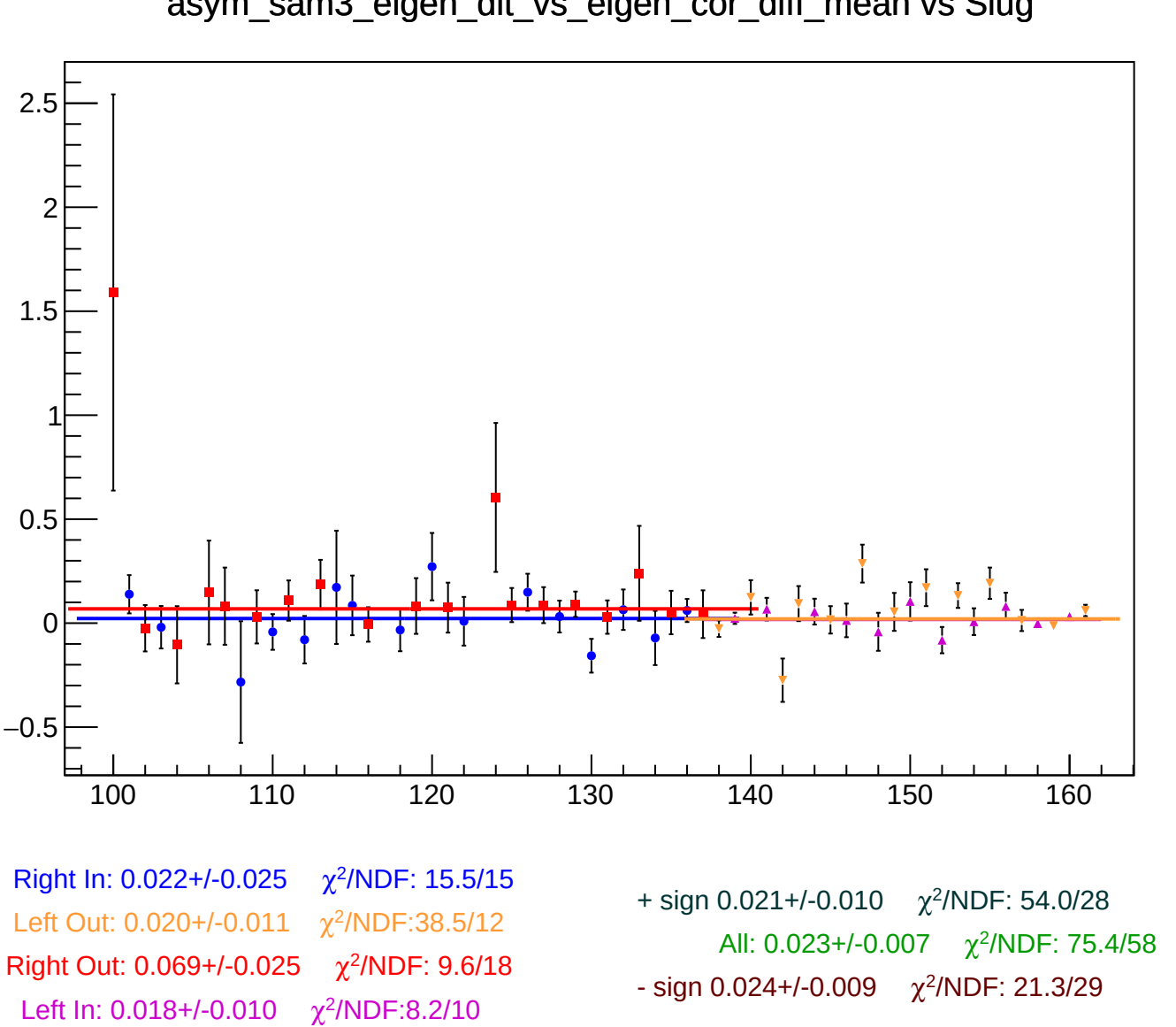
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

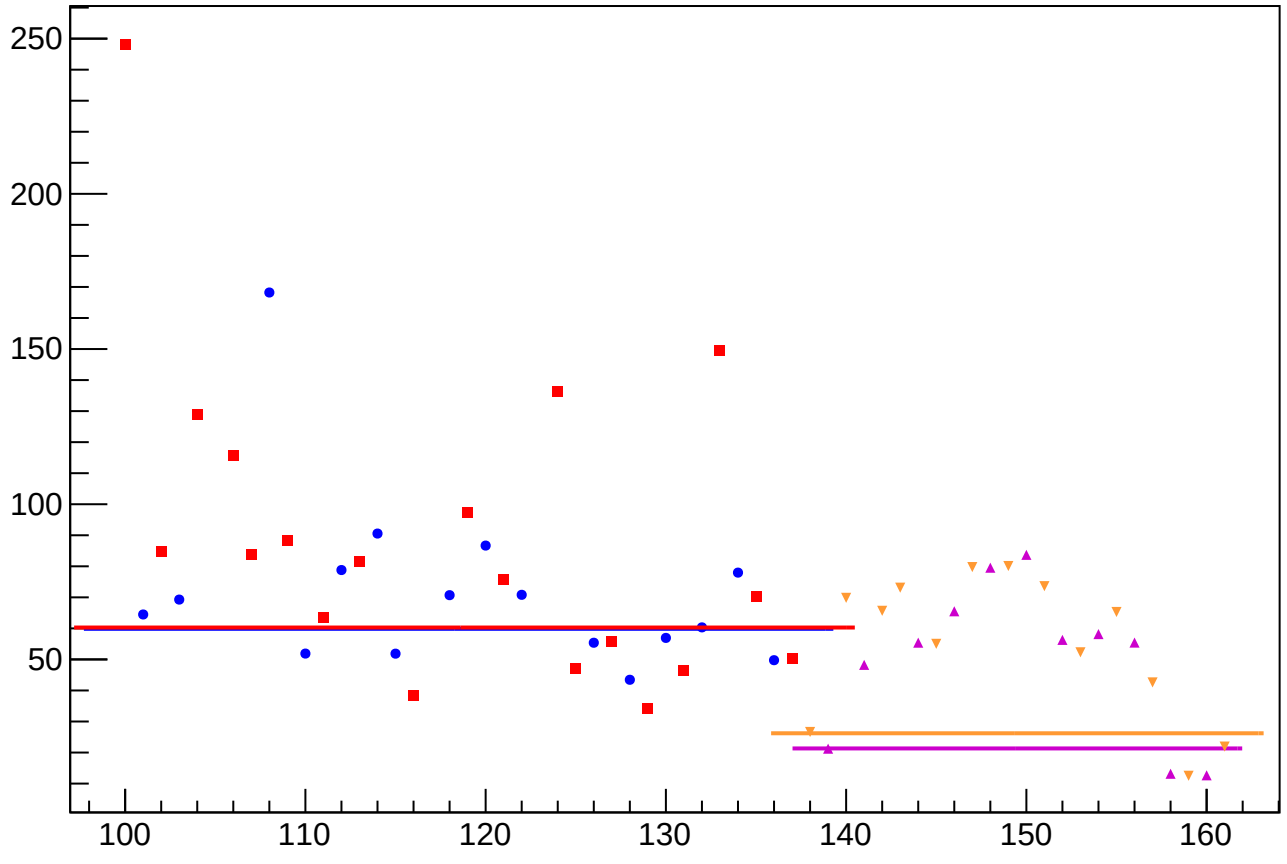
Left In: 21.323+/-0.007 χ^2/NDF:6303607.6/10

+ sign 31.968+/-0.007 χ^2/NDF: 10334174.4/28

All: 28.777+/-0.005 χ^2/NDF: 23108360.8/58

- sign 26.284+/-0.006 χ^2/NDF: 12425864.2/29


asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2.5
2
1.5
1
0.5
0
−0.5
100
110
120
130
140
150
160
Right In: 0.022+/-0.025 χ²/NDF: 15.5/15
Left Out: 0.020+/-0.011 χ²/NDF:38.5/12
Right Out: 0.069+/-0.025 χ²/NDF: 9.6/18
Left In: 0.018+/-0.010 χ²/NDF:8.2/10
+ sign 0.021+/-0.010 χ²/NDF: 54.0/28
All: 0.023+/-0.007 χ²/NDF: 75.4/58
- sign 0.024+/-0.009 χ²/NDF: 21.3/29



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.209+/-0.008 χ^2/NDF:6550353.6/12

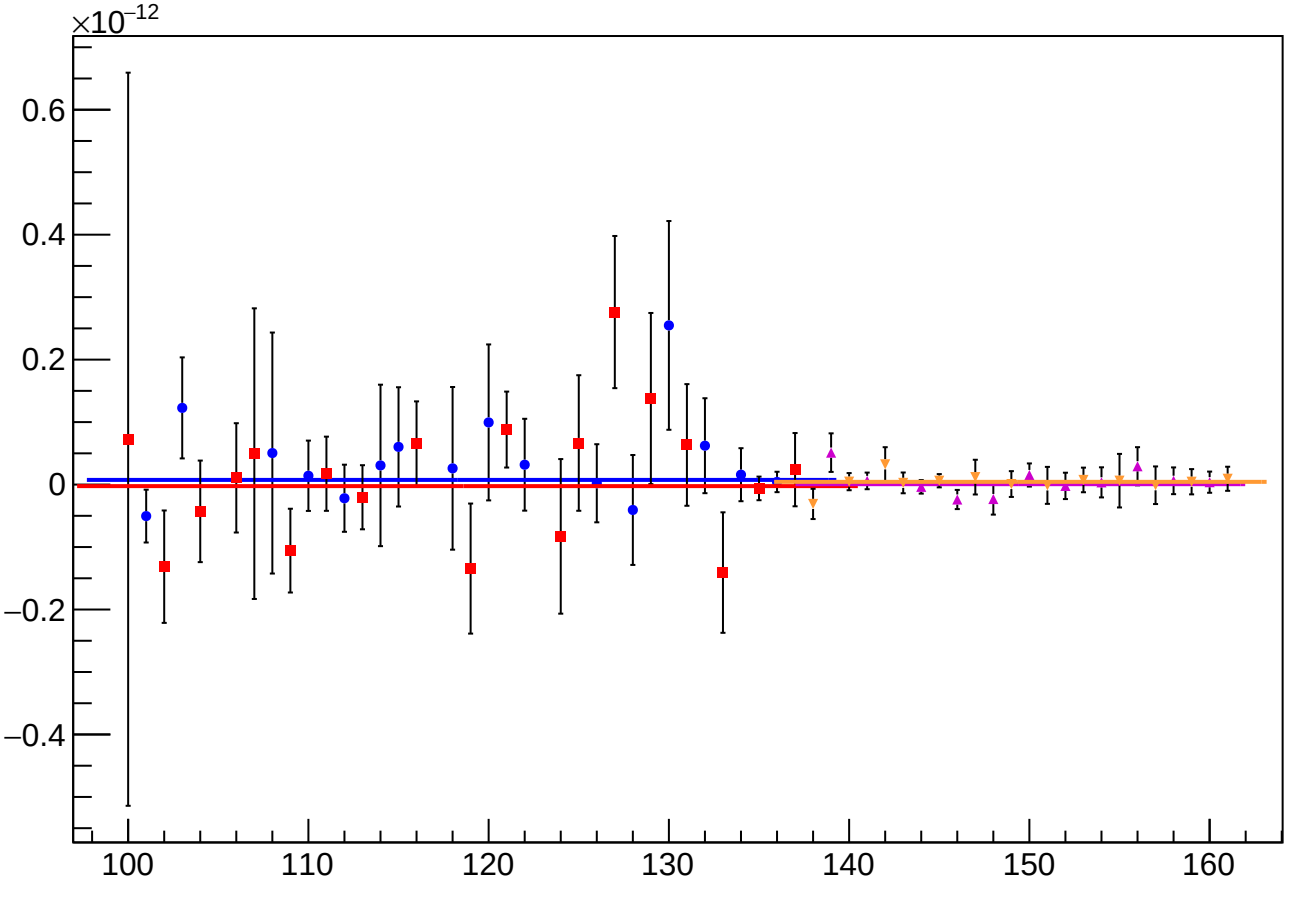
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 21.323+/-0.007 χ^2/NDF:6303607.6/10

+ sign 31.968+/-0.007 χ^2/NDF: 10334174.4/28

All: 28.777+/-0.005 χ^2/NDF: 23108360.8/58

- sign 26.284+/-0.006 χ^2/NDF: 12425864.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/12

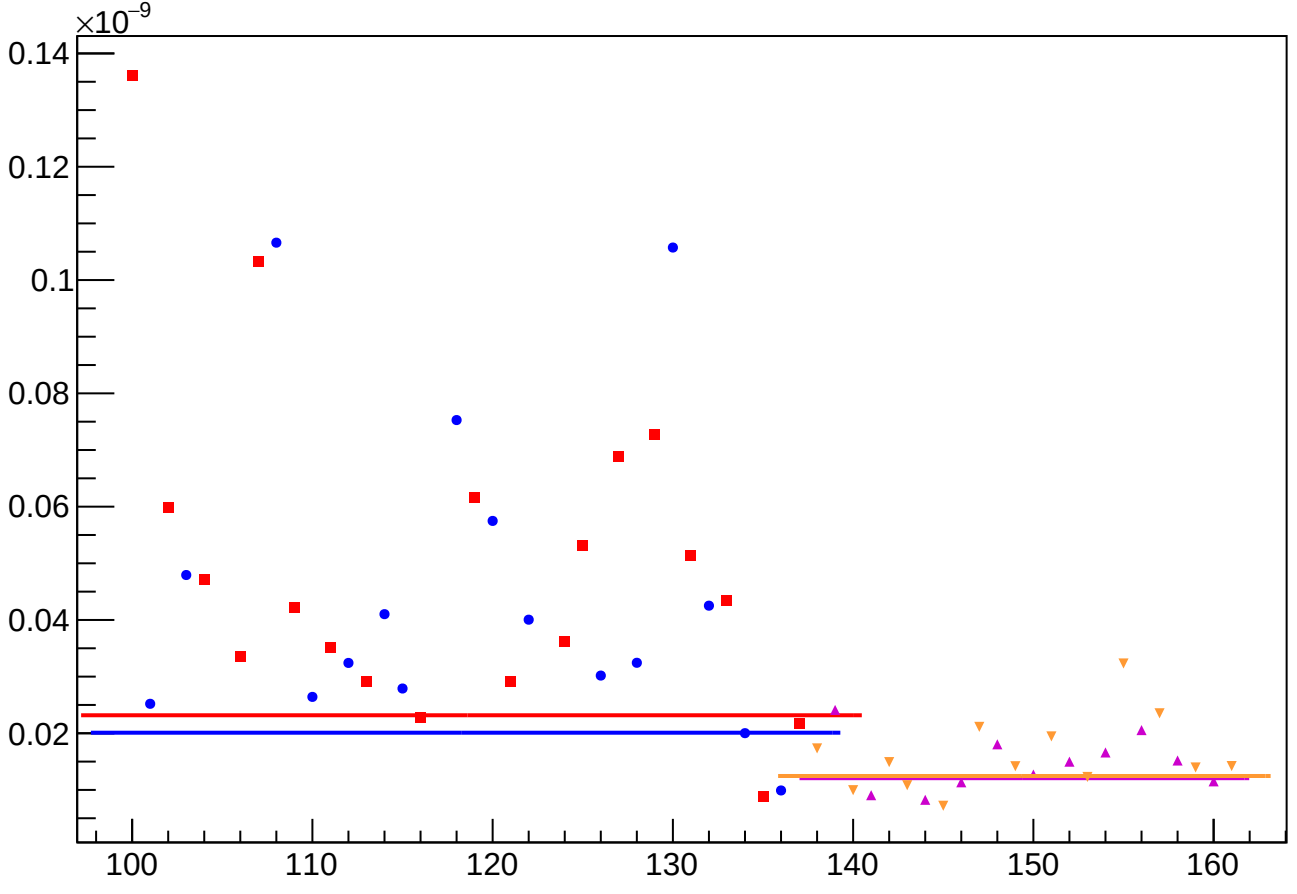
Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 11.9/28

All: 0.000+/-0.000 χ^2/NDF: 40.2/58

- sign 0.000+/-0.000 χ^2/NDF: 27.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1719790.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

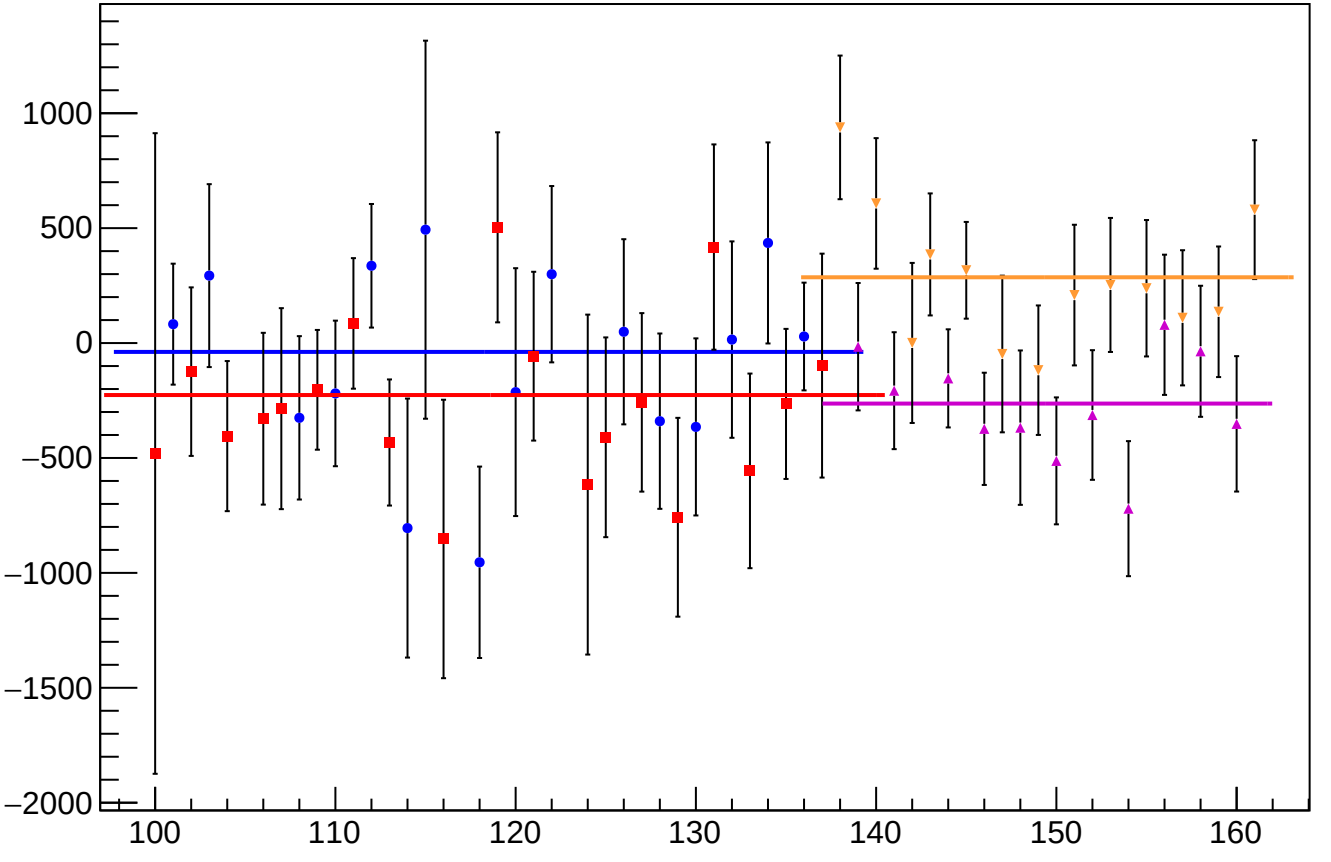
Left In: 0.000+/-0.000 χ^2/NDF:1084112.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 5504243.9/28

All: 0.000+/-0.000 χ^2/NDF: 11284855.1/58

- sign 0.000+/-0.000 χ^2/NDF: 5780074.4/29

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 286.213+/-79.670 χ^2/NDF:11.2/12

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

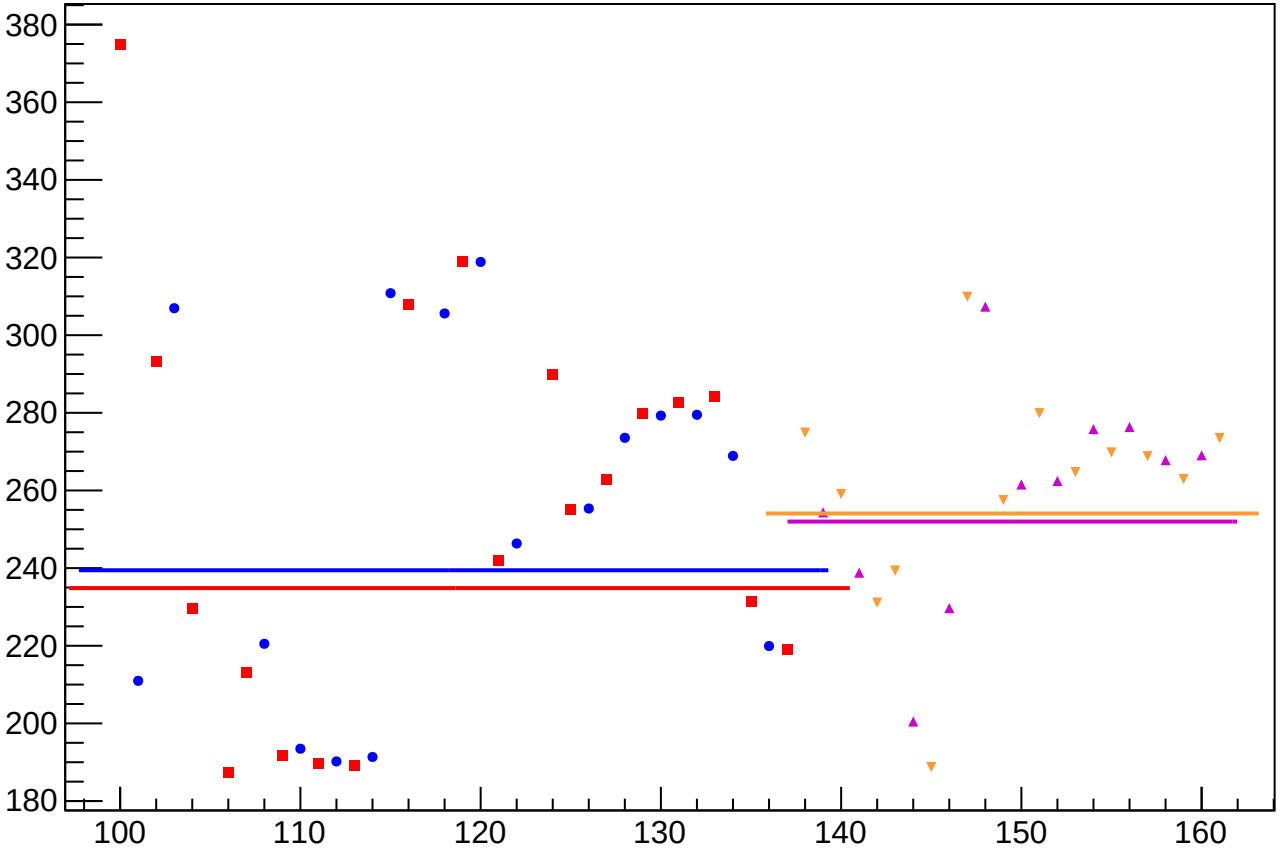
Left In: -263.336+/-82.231 χ^2/NDF:6.7/10

+ sign 144.648+/-59.834 χ^2/NDF: 32.9/28

All: -49.957+/-42.386 χ^2/NDF: 72.3/58

- sign -245.991+/-60.053 χ^2/NDF: 18.2/29

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 254.069+/-0.056 χ^2/NDF:308730.6/12

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

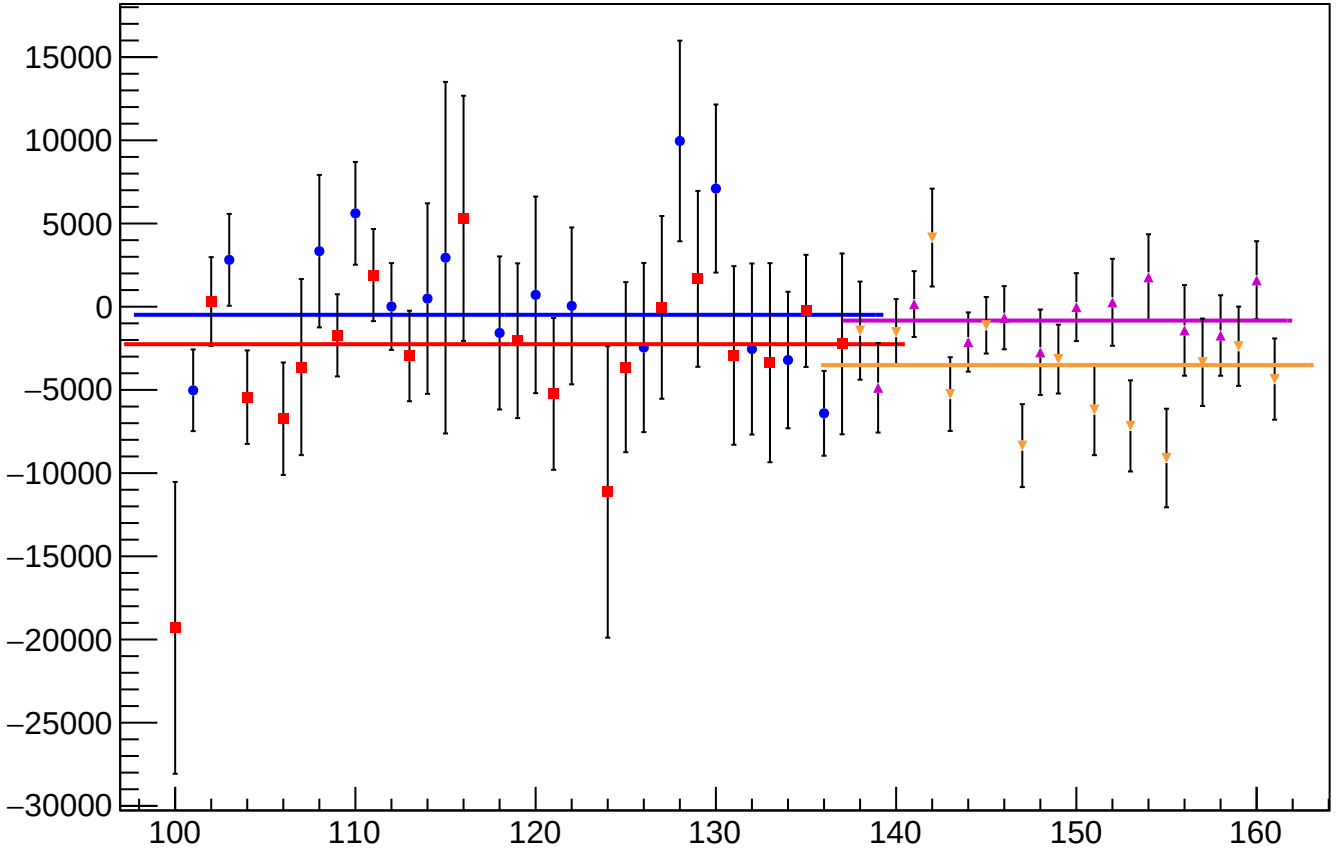
Left In: 251.988+/-0.058 χ^2/NDF:236772.3/10

+ sign 247.695+/-0.042 χ^2/NDF: 739047.1/28

All: 245.850+/-0.030 χ^2/NDF: 1501867.7/58

- sign 243.992+/-0.042 χ^2/NDF: 759005.0/29

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3505.149+/-659.595 χ^2/NDF:21.3/12

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

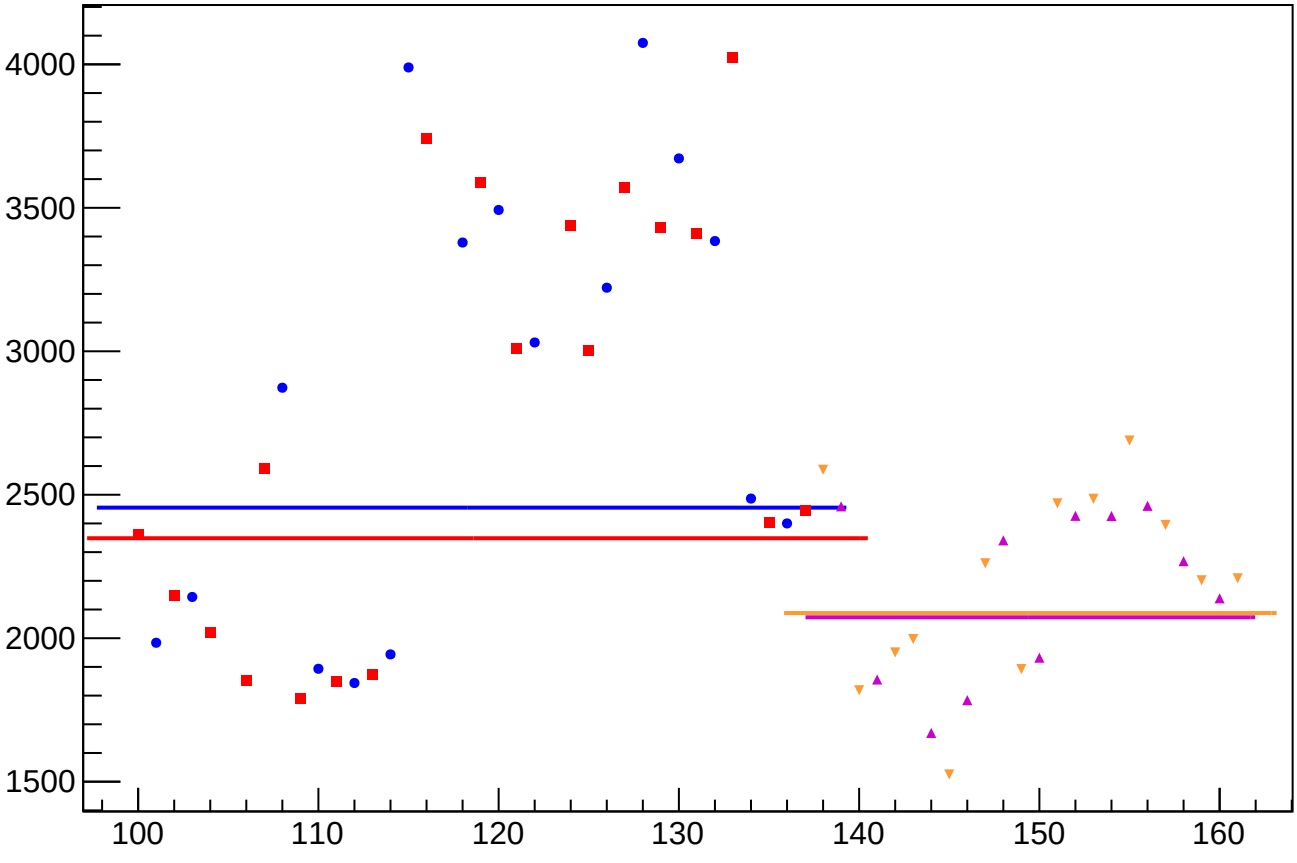
Left In: -833.159+/-680.031 χ^2/NDF:6.2/10

+ sign -2519.546+/-541.333 χ^2/NDF: 49.3/28

All: -1936.238+/-382.762 χ^2/NDF: 73.3/58

- sign -1353.043+/-541.281 χ^2/NDF: 21.7/29

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2087.769+/-0.466 χ^2/NDF:548996.6/12

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

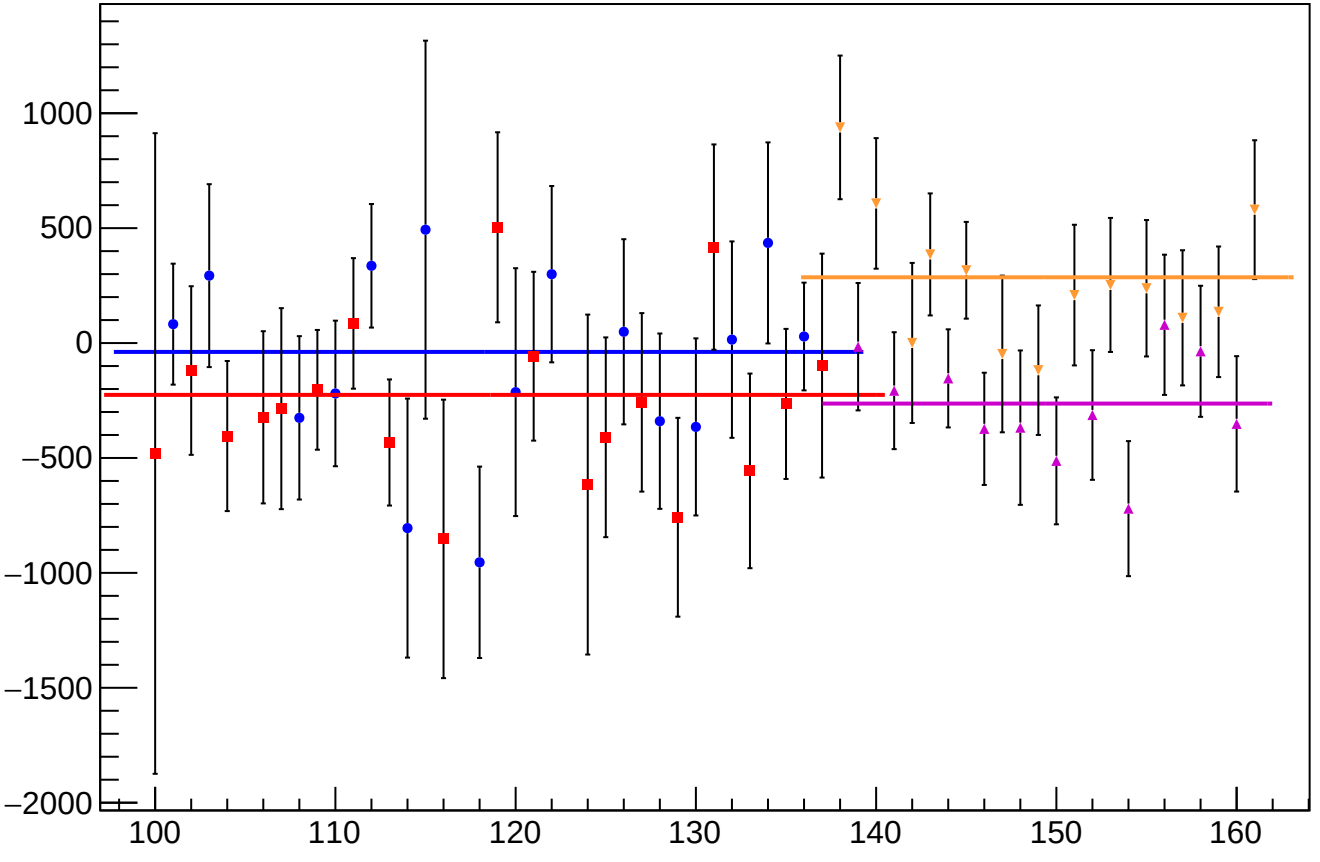
Left In: 2072.882+/-0.481 χ^2/NDF:374716.3/10

+ sign 2207.683+/-0.383 χ^2/NDF: 1645876.5/28

All: 2190.770+/-0.271 χ^2/NDF: 3197261.6/58

- sign 2173.860+/-0.383 χ^2/NDF: 1547480.9/29

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 286.215+/-79.670 χ^2/NDF:11.2/12

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

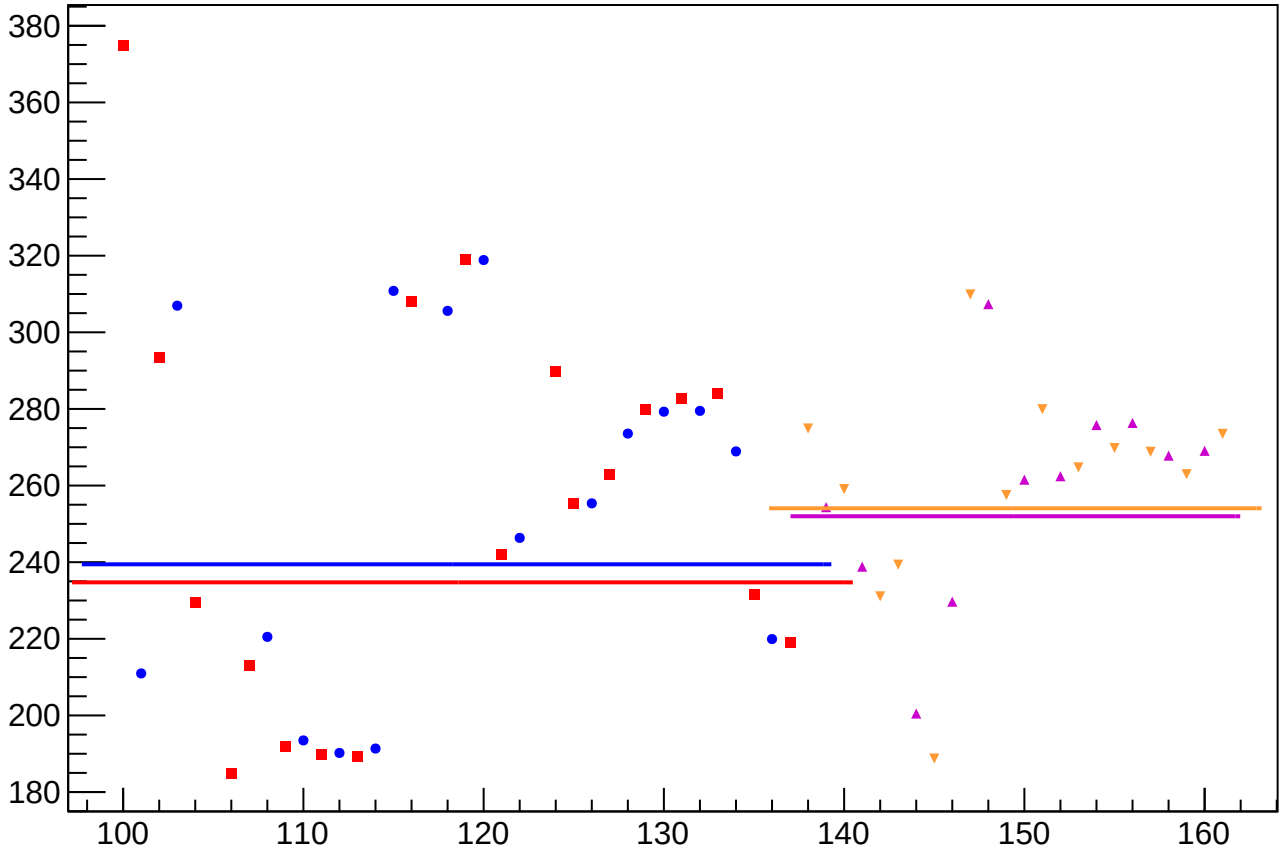
Left In: -263.345+/-82.231 χ^2/NDF:6.7/10

+ sign 144.640+/-59.834 χ^2/NDF: 32.9/28

All: -49.799+/-42.388 χ^2/NDF: 72.3/58

- sign -245.694+/-60.057 χ^2/NDF: 18.2/29

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.069+/-0.056 χ^2/NDF:308730.6/12

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

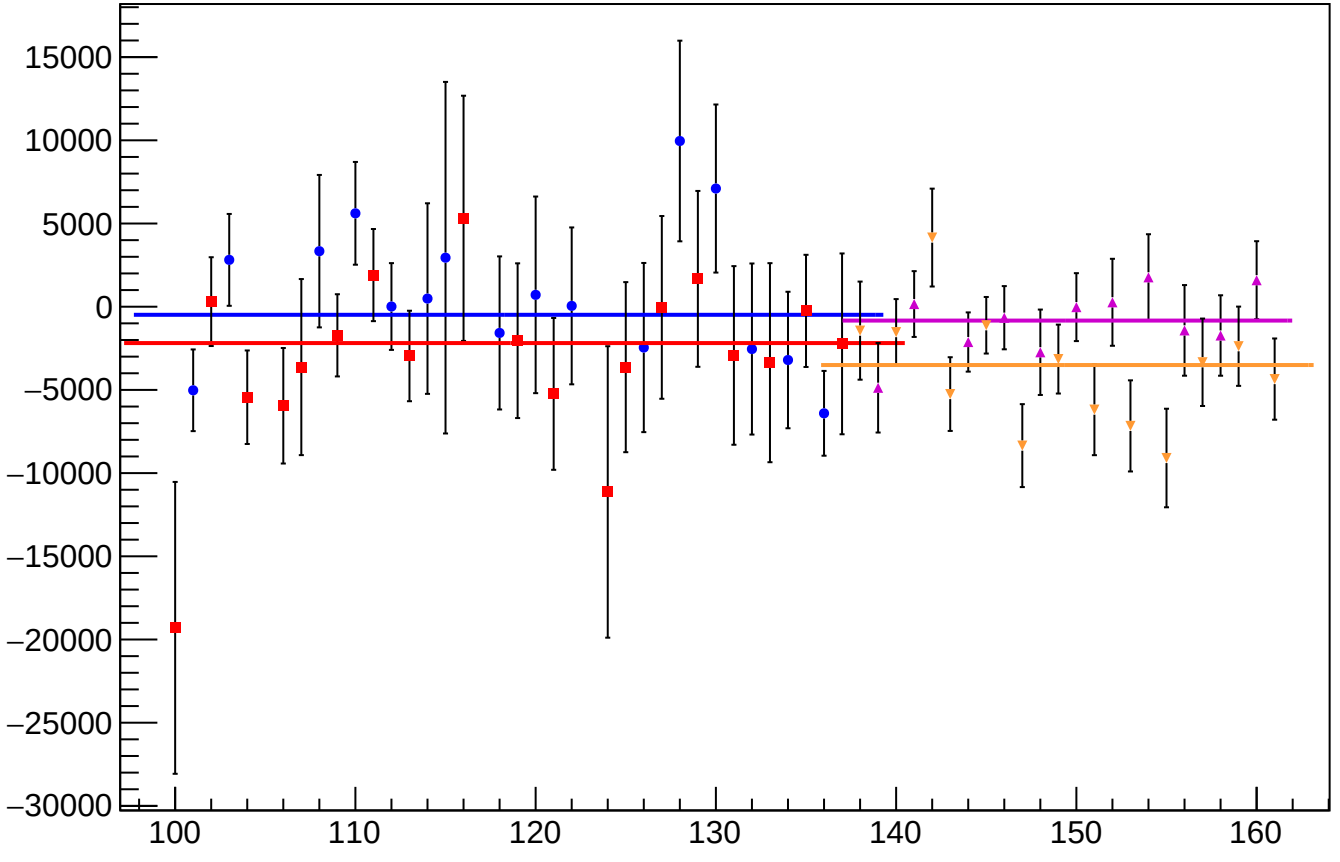
Left In: 251.988+/-0.058 χ^2/NDF:236772.4/10

+ sign 247.695+/-0.042 χ^2/NDF: 739049.2/28

All: 245.823+/-0.030 χ^2/NDF: 1506078.8/58

- sign 243.937+/-0.042 χ^2/NDF: 763099.1/29

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3505.148+/-659.595 χ^2/NDF:21.3/12

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

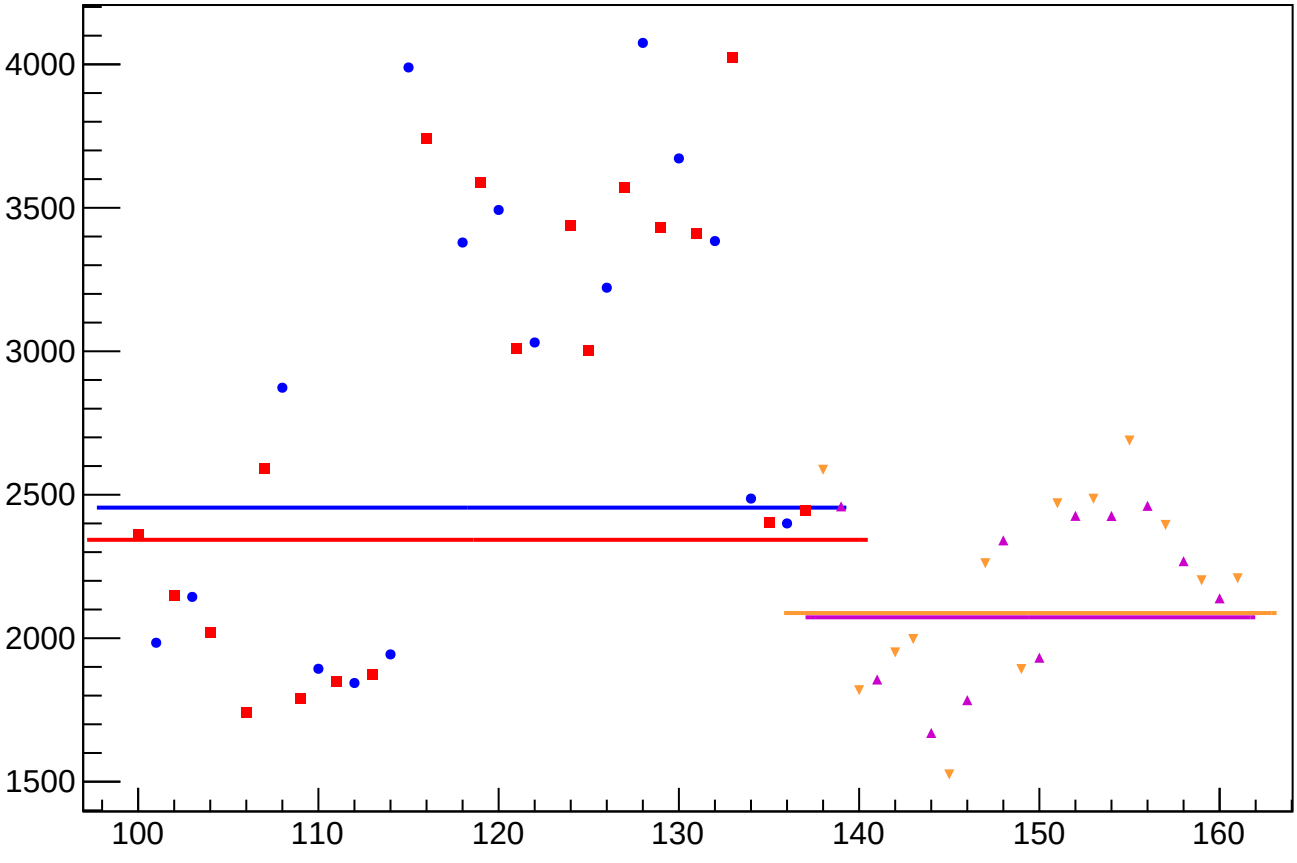
Left In: -833.179+/-680.031 χ^2/NDF:6.2/10

+ sign -2519.612+/-541.334 χ^2/NDF: 49.3/28

All: -1923.807+/-382.895 χ^2/NDF: 72.6/58

- sign -1327.295+/-541.655 χ^2/NDF: 20.9/29

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2087.769+/-0.466 χ^2/NDF:548999.2/12

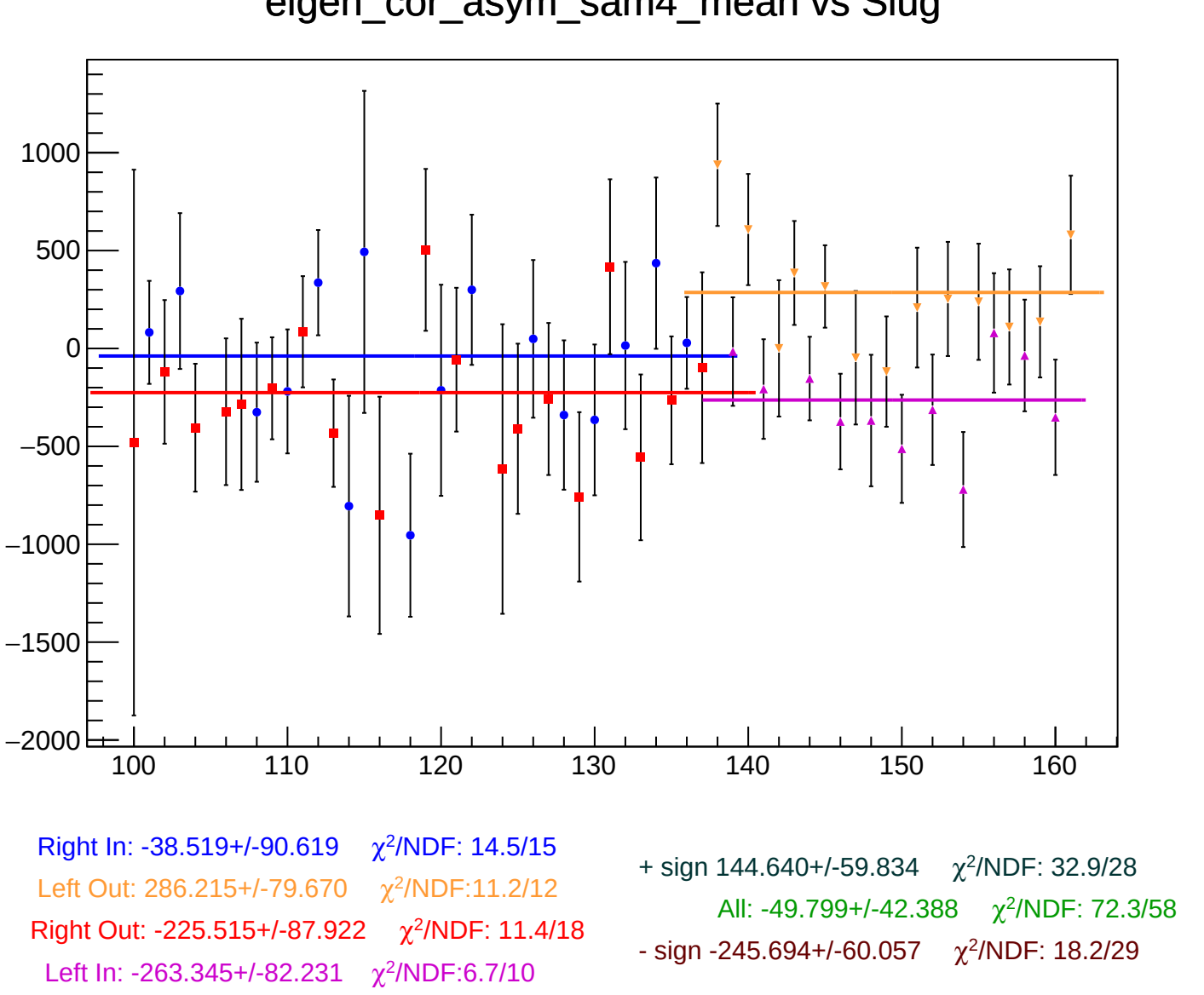
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2072.883+/-0.481 χ^2/NDF:374713.7/10

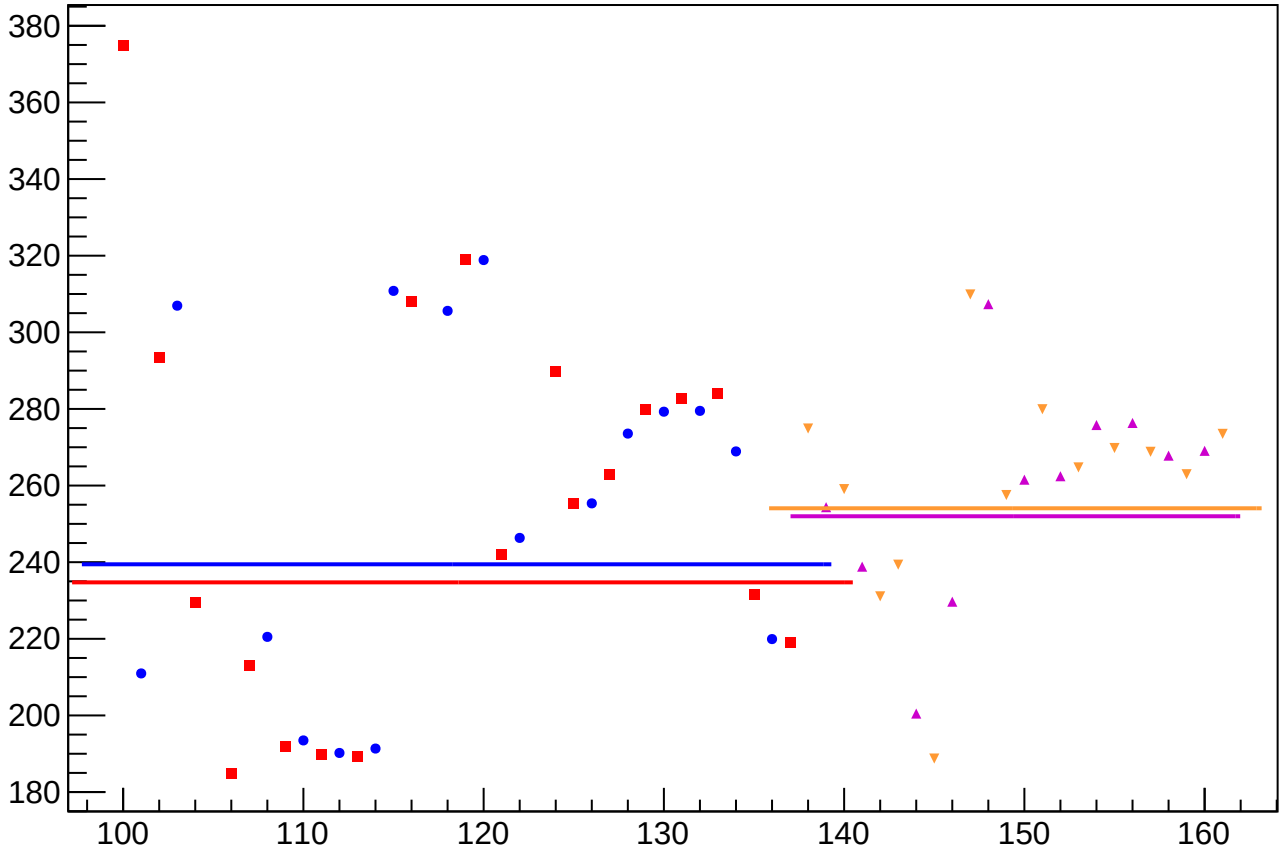
+ sign 2207.689+/-0.383 χ^2/NDF: 1645872.7/28

All: 2189.661+/-0.271 χ^2/NDF: 3210731.1/58

- sign 2171.611+/-0.383 χ^2/NDF: 1560419.3/29


eigen_cor_asym_sam4_mean vs Slug
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
Right In: -38.519+/-90.619 χ²/NDF: 14.5/15
Left Out: 286.215+/-79.670 χ²/NDF:11.2/12
Right Out: -225.515+/-87.922 χ²/NDF: 11.4/18
Left In: -263.345+/-82.231 χ²/NDF:6.7/10
+ sign 144.640+/-59.834 χ²/NDF: 32.9/28
All: -49.799+/-42.388 χ²/NDF: 72.3/58
- sign -245.694+/-60.057 χ²/NDF: 18.2/29

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.069+/-0.056 χ^2/NDF:308730.6/12

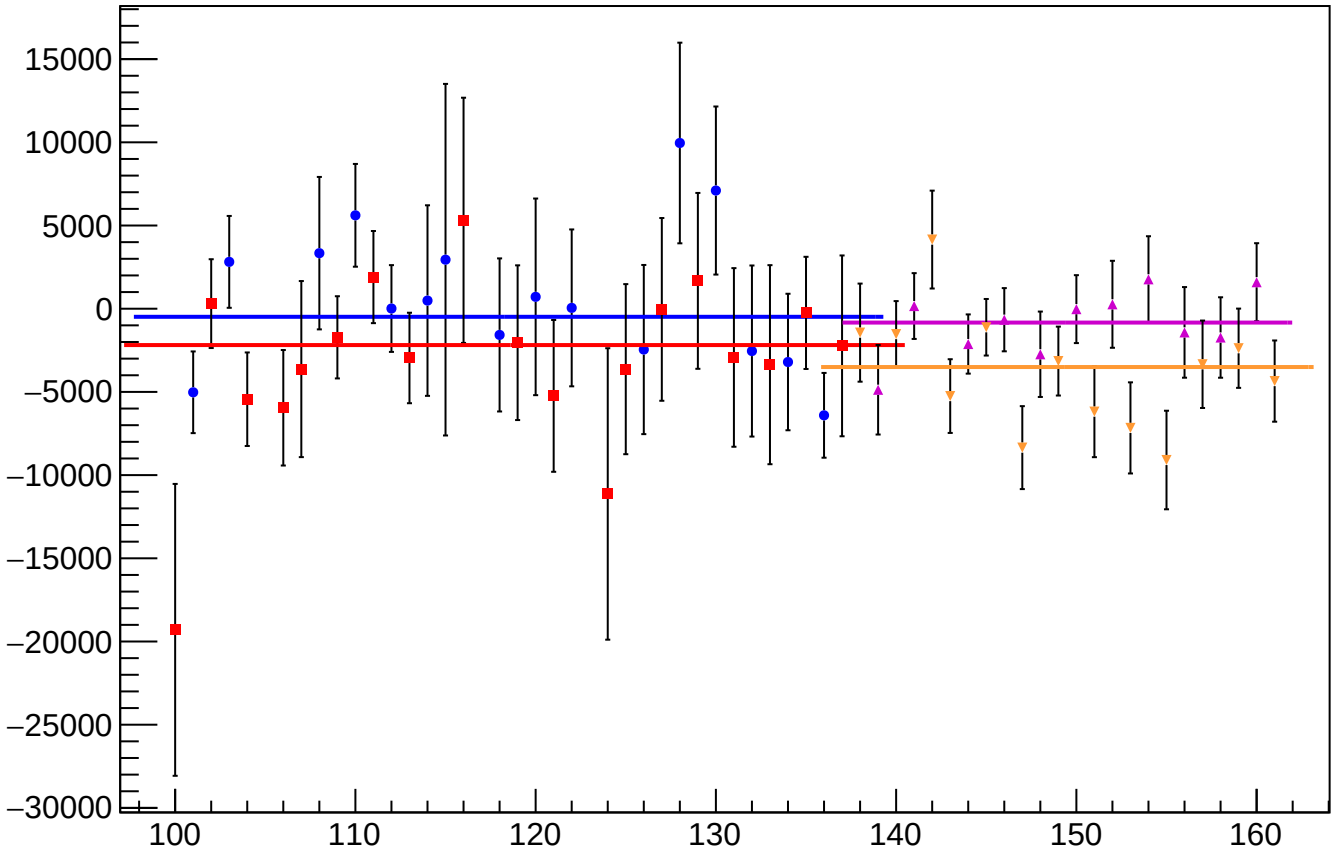
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 251.988+/-0.058 χ^2/NDF:236772.4/10

+ sign 247.695+/-0.042 χ^2/NDF: 739049.2/28

All: 245.823+/-0.030 χ^2/NDF: 1506078.8/58

- sign 243.937+/-0.042 χ^2/NDF: 763099.1/29



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3505.148+/-659.595 χ^2/NDF:21.3/12

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

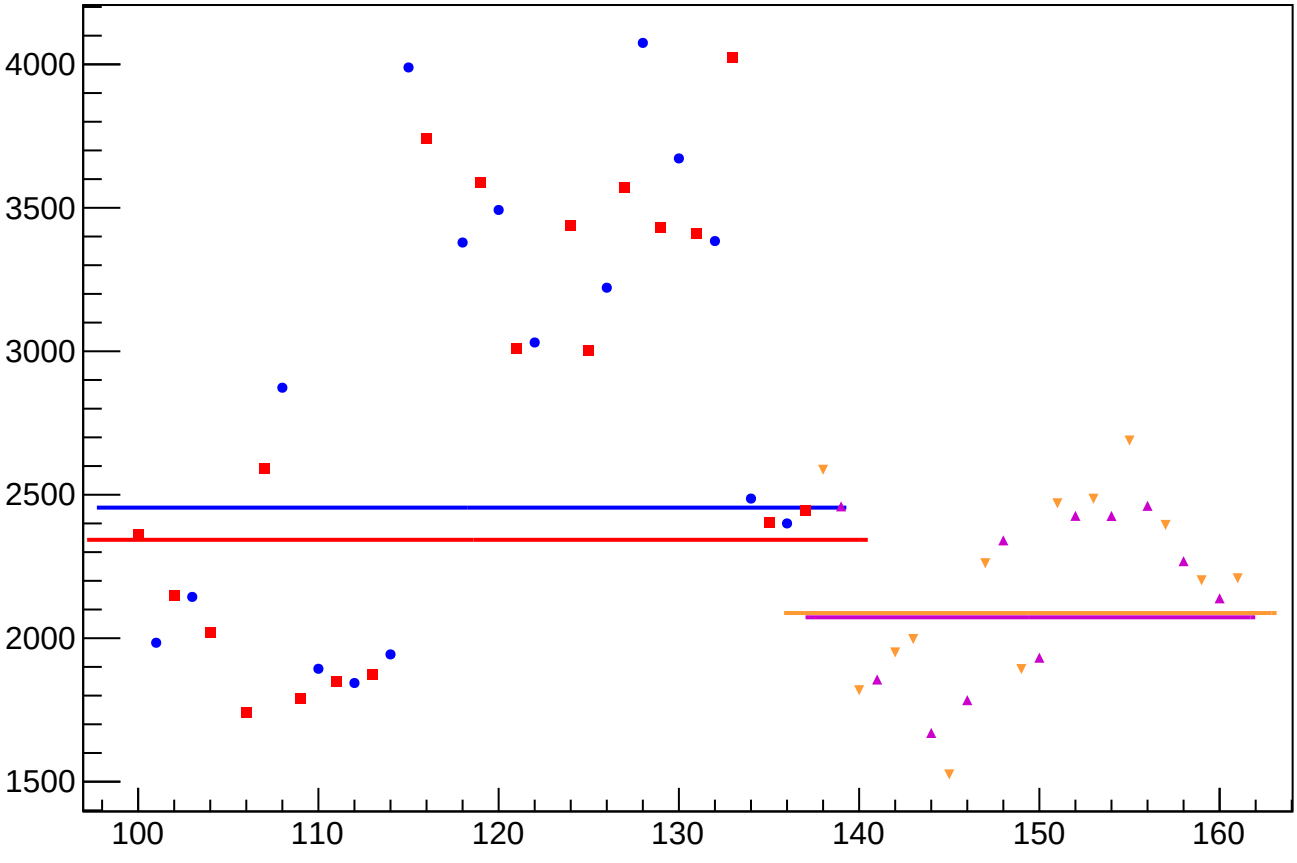
Left In: -833.179+/-680.031 χ^2/NDF:6.2/10

+ sign -2519.612+/-541.334 χ^2/NDF: 49.3/28

All: -1923.807+/-382.895 χ^2/NDF: 72.6/58

- sign -1327.295+/-541.655 χ^2/NDF: 20.9/29

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2087.769+/-0.466 χ^2/NDF:548999.2/12

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

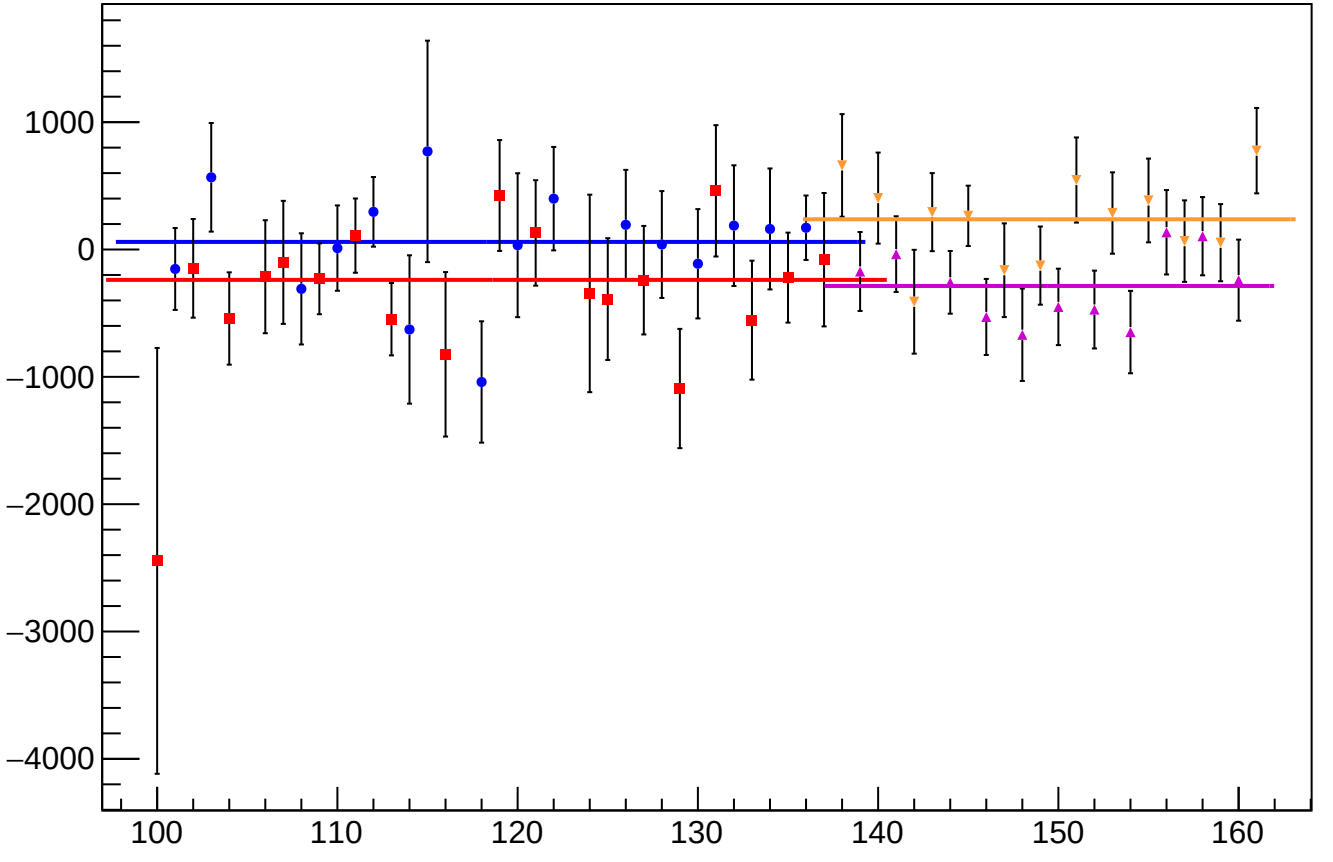
Left In: 2072.883+/-0.481 χ^2/NDF:374713.7/10

+ sign 2207.689+/-0.383 χ^2/NDF: 1645872.7/28

All: 2189.661+/-0.271 χ^2/NDF: 3210731.1/58

- sign 2171.611+/-0.383 χ^2/NDF: 1560419.3/29

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 237.356+/-89.802 χ^2/NDF:10.8/12

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

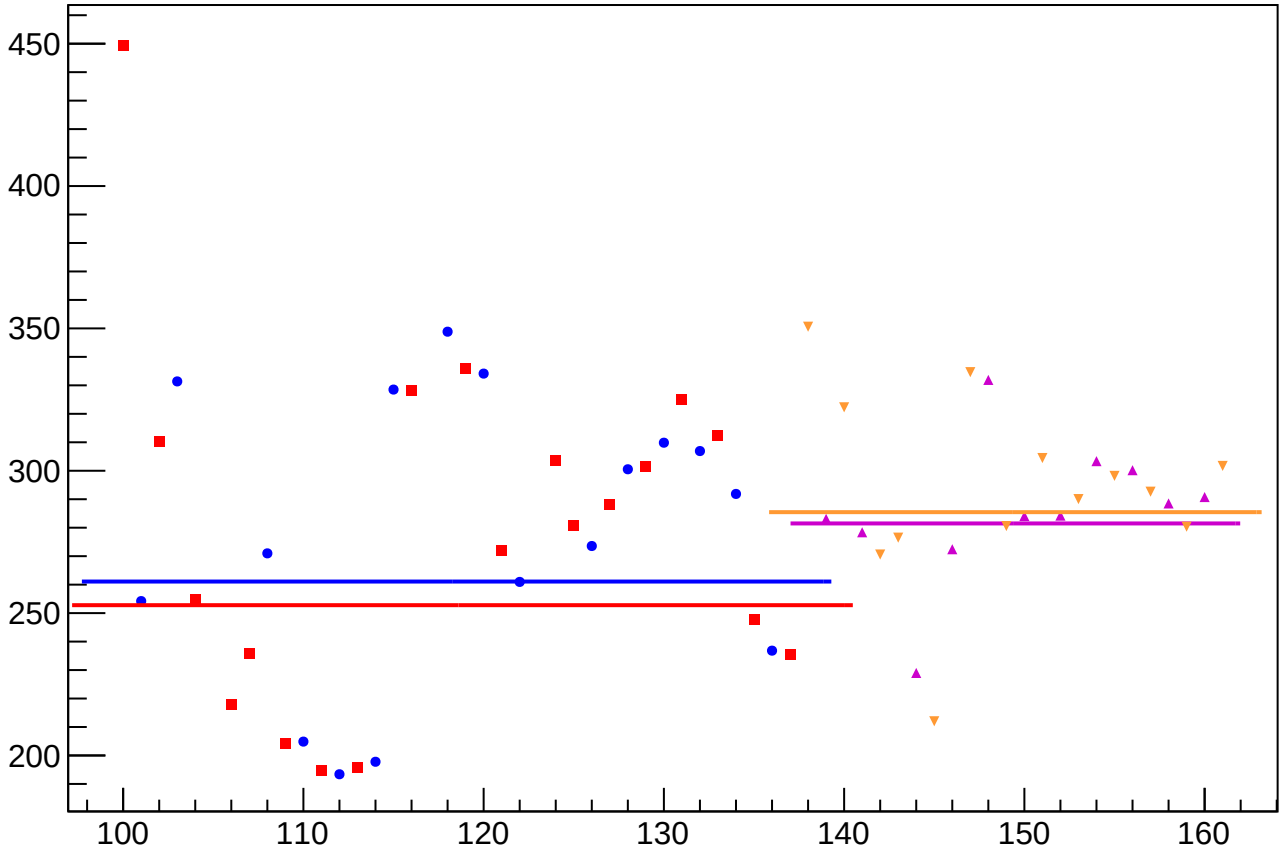
Left In: -286.276+/-92.069 χ^2/NDF:7.8/10

+ sign 157.379+/-66.584 χ^2/NDF: 24.5/28

All: -54.310+/-46.923 χ^2/NDF: 67.5/58

- sign -263.160+/-66.136 χ^2/NDF: 22.9/29

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 285.460+/-0.063 χ^2/NDF:322436.0/12

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

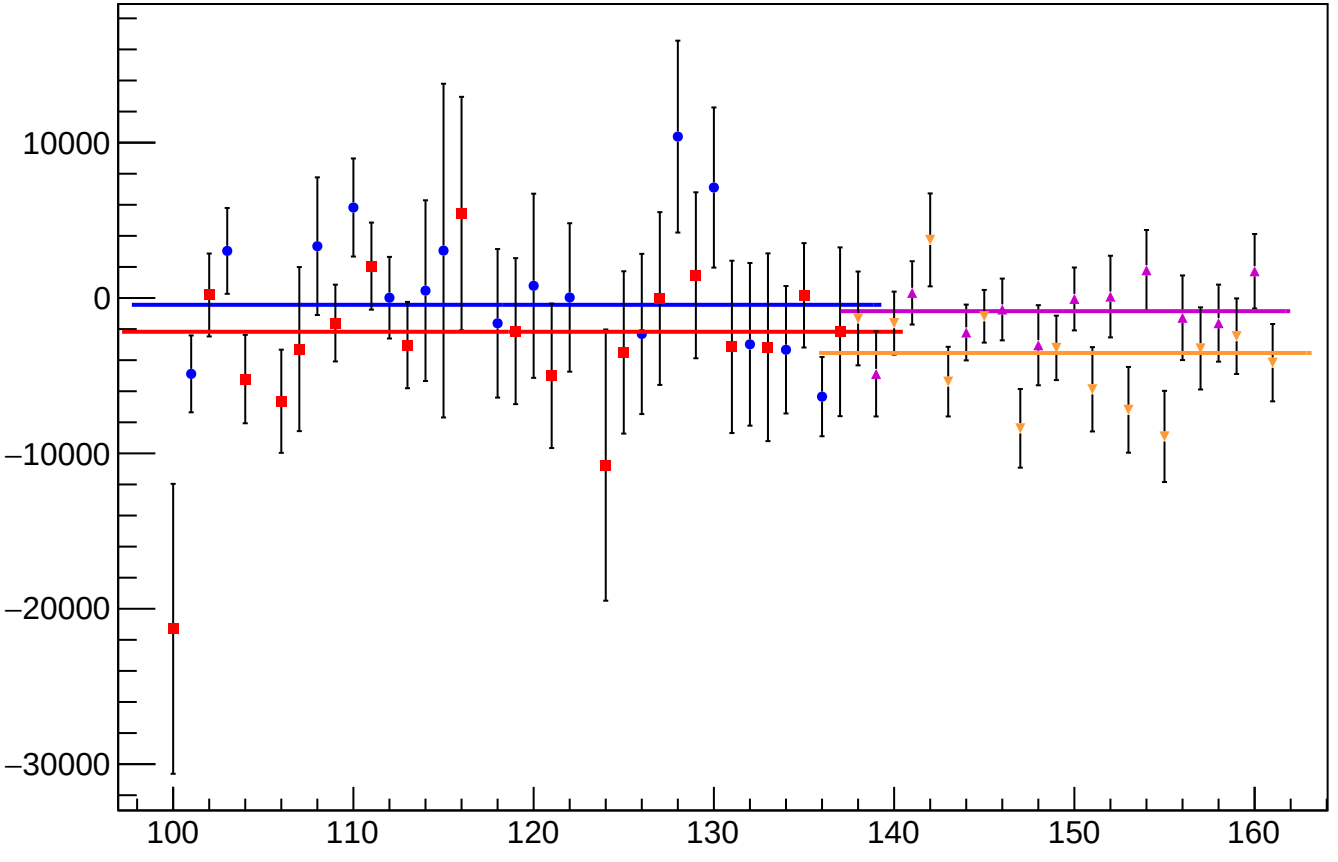
Left In: 281.496+/-0.065 χ^2/NDF:150339.5/10

+ sign 274.487+/-0.047 χ^2/NDF: 851421.5/28

All: 271.021+/-0.033 χ^2/NDF: 1643941.9/58

- sign 267.601+/-0.047 χ^2/NDF: 781751.8/29

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3536.635+/-665.537 χ^2/NDF:19.8/12

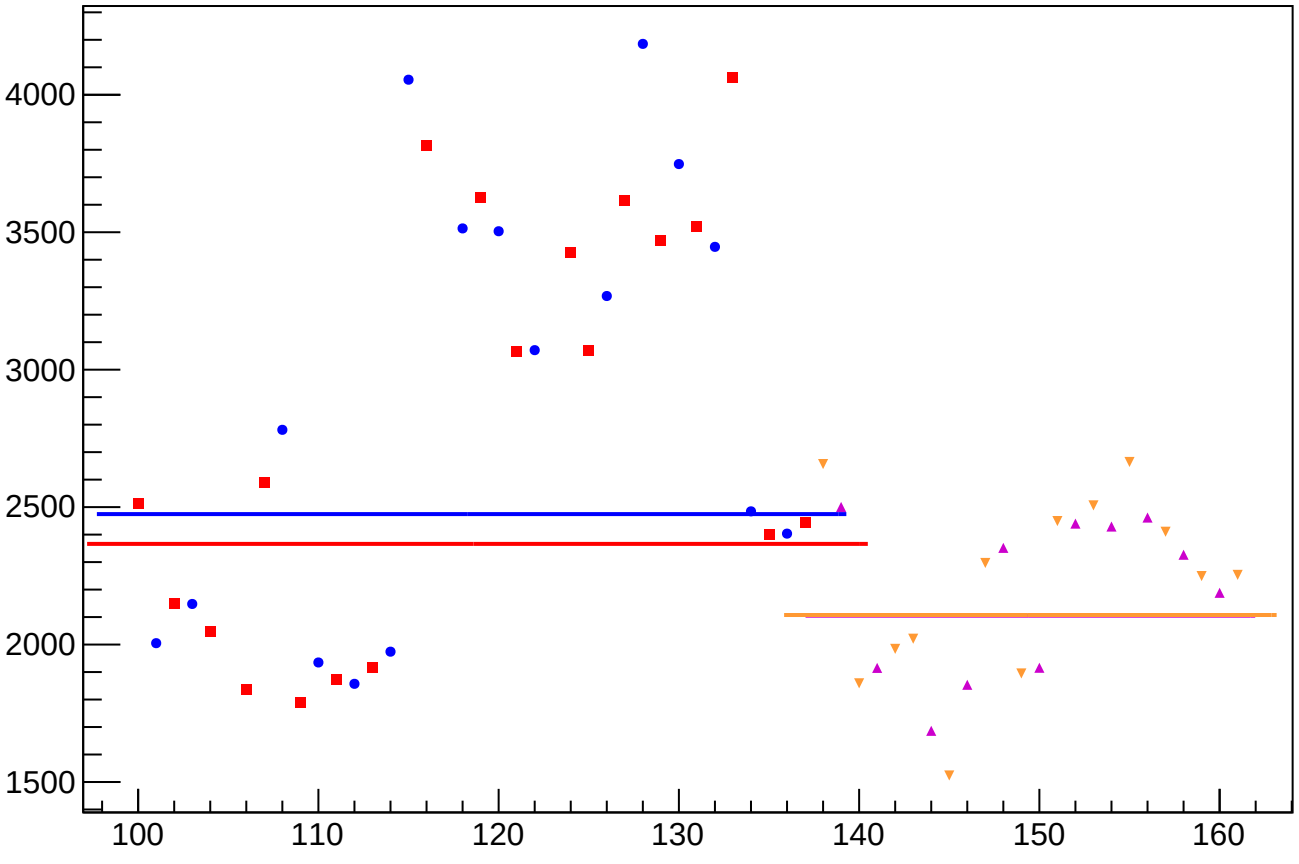
Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: -846.127+/-690.423 χ^2/NDF:6.4/10

+ sign -2523.465+/-546.049 χ^2/NDF: 48.1/28

All: -1932.205+/-386.820 χ^2/NDF: 72.2/58

- sign -1336.607+/-548.048 χ^2/NDF: 21.8/29



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2107.533+/-0.471 χ^2/NDF:557399.0/12

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

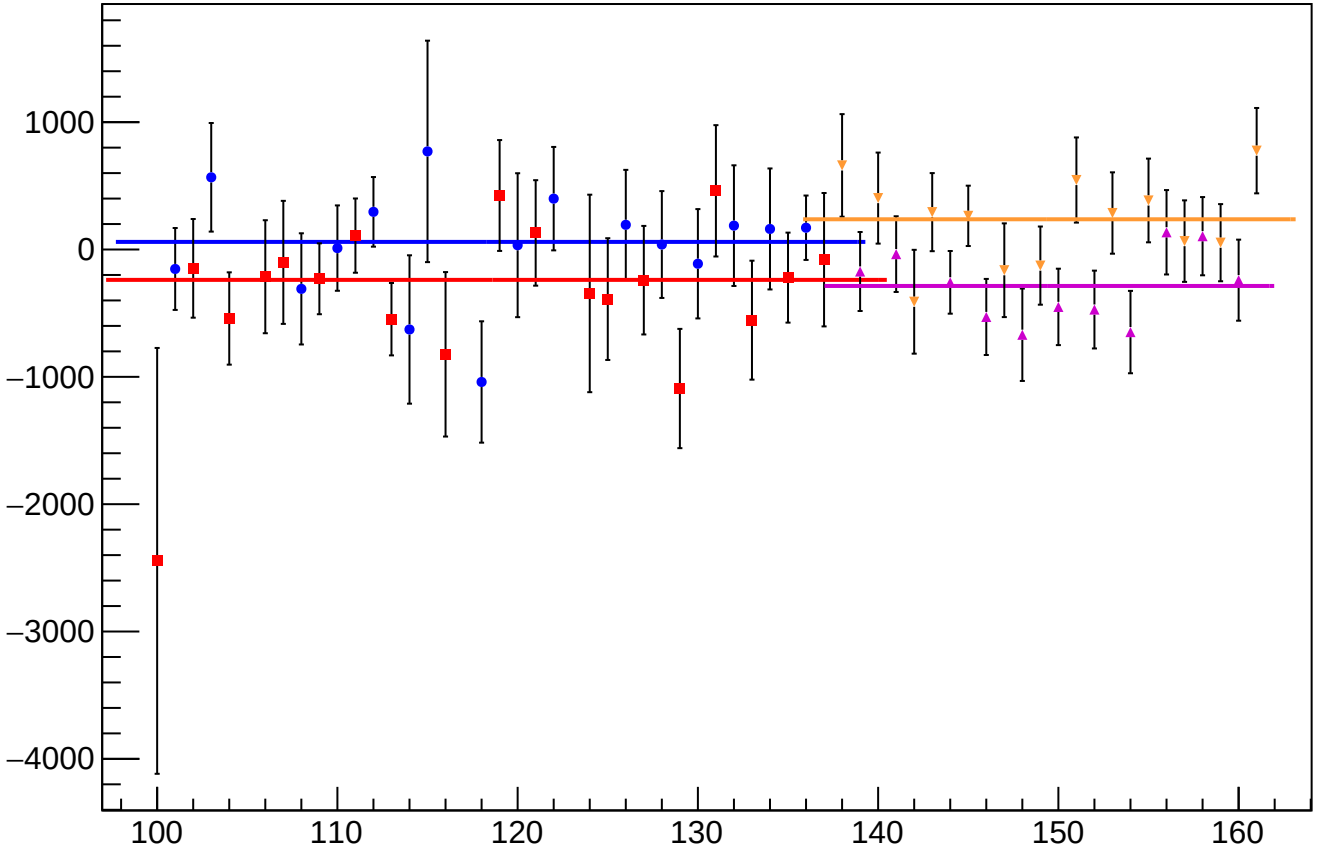
Left In: 2105.008+/-0.488 χ^2/NDF:352494.3/10

+ sign 2227.512+/-0.386 χ^2/NDF: 1672516.5/28

All: 2214.619+/-0.274 χ^2/NDF: 3210320.5/58

- sign 2201.632+/-0.388 χ^2/NDF: 1535565.8/29

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 237.360+/-89.802 χ^2/NDF:10.8/12

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

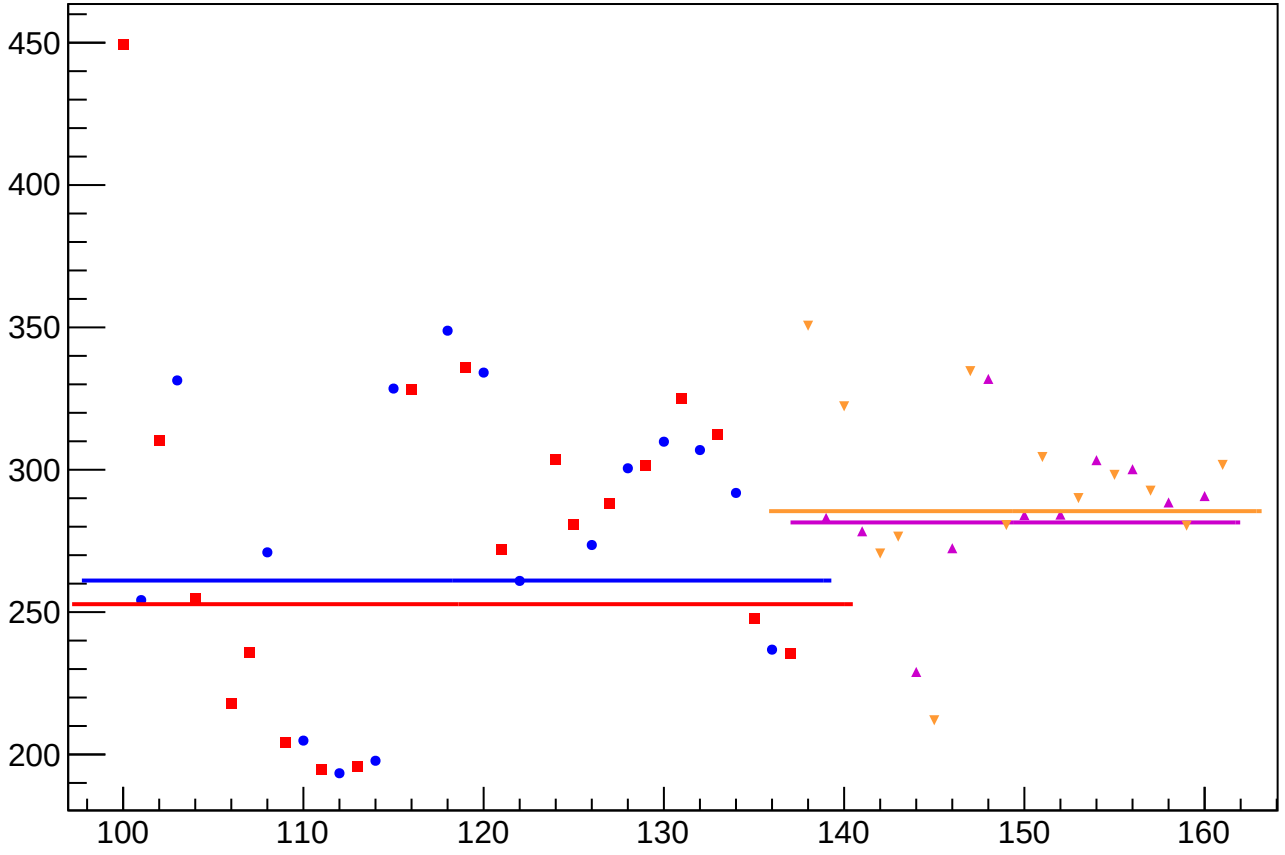
Left In: -286.278+/-92.069 χ^2/NDF:7.8/10

+ sign 157.384+/-66.584 χ^2/NDF: 24.5/28

All: -54.308+/-46.923 χ^2/NDF: 67.5/58

- sign -263.160+/-66.136 χ^2/NDF: 22.9/29

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 285.461+/-0.063 χ^2/NDF:322431.2/12

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

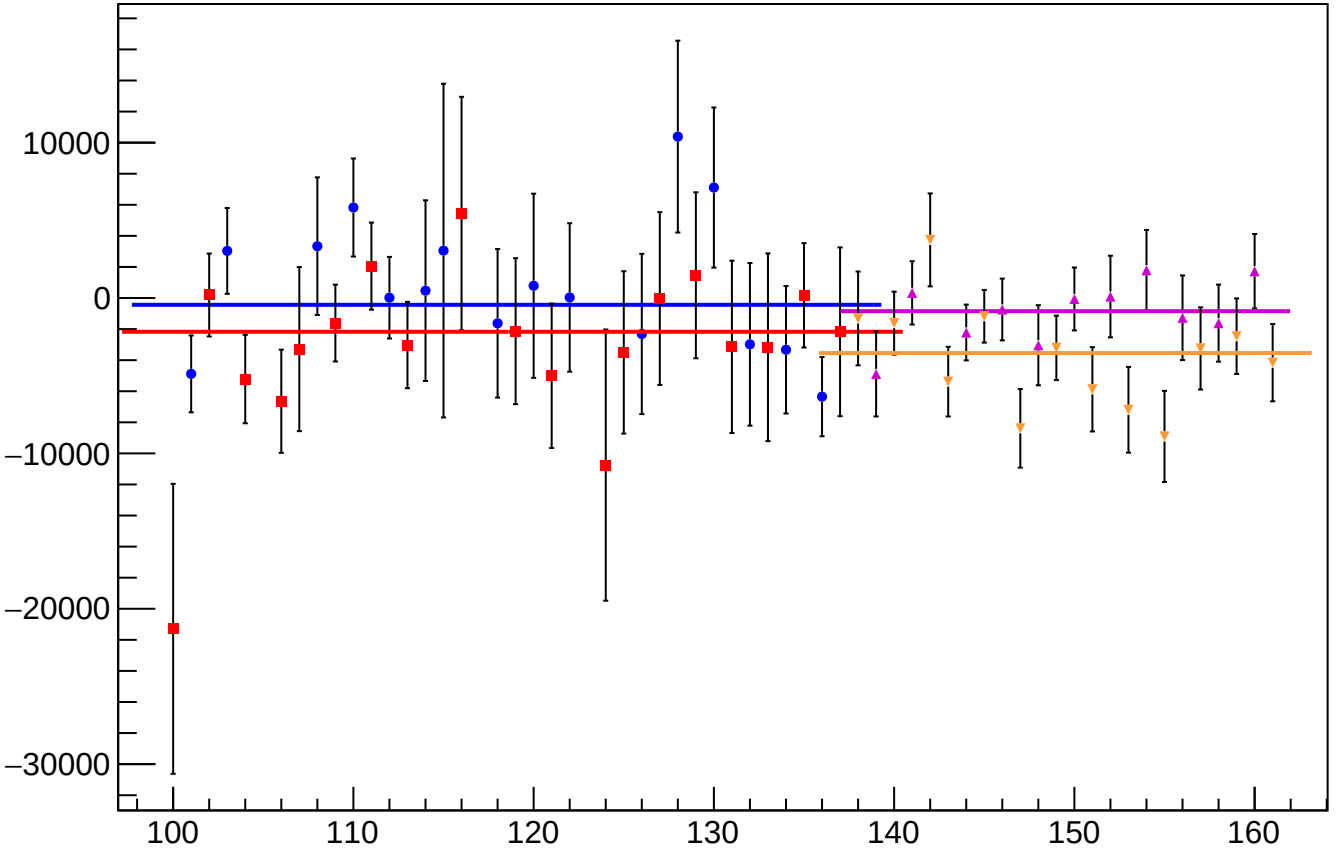
Left In: 281.496+/-0.065 χ^2/NDF:150337.7/10

+ sign 274.487+/-0.047 χ^2/NDF: 851422.0/28

All: 271.021+/-0.033 χ^2/NDF: 1643947.2/58

- sign 267.601+/-0.047 χ^2/NDF: 781756.3/29

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3536.629+/-665.536 χ^2/NDF:19.8/12

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

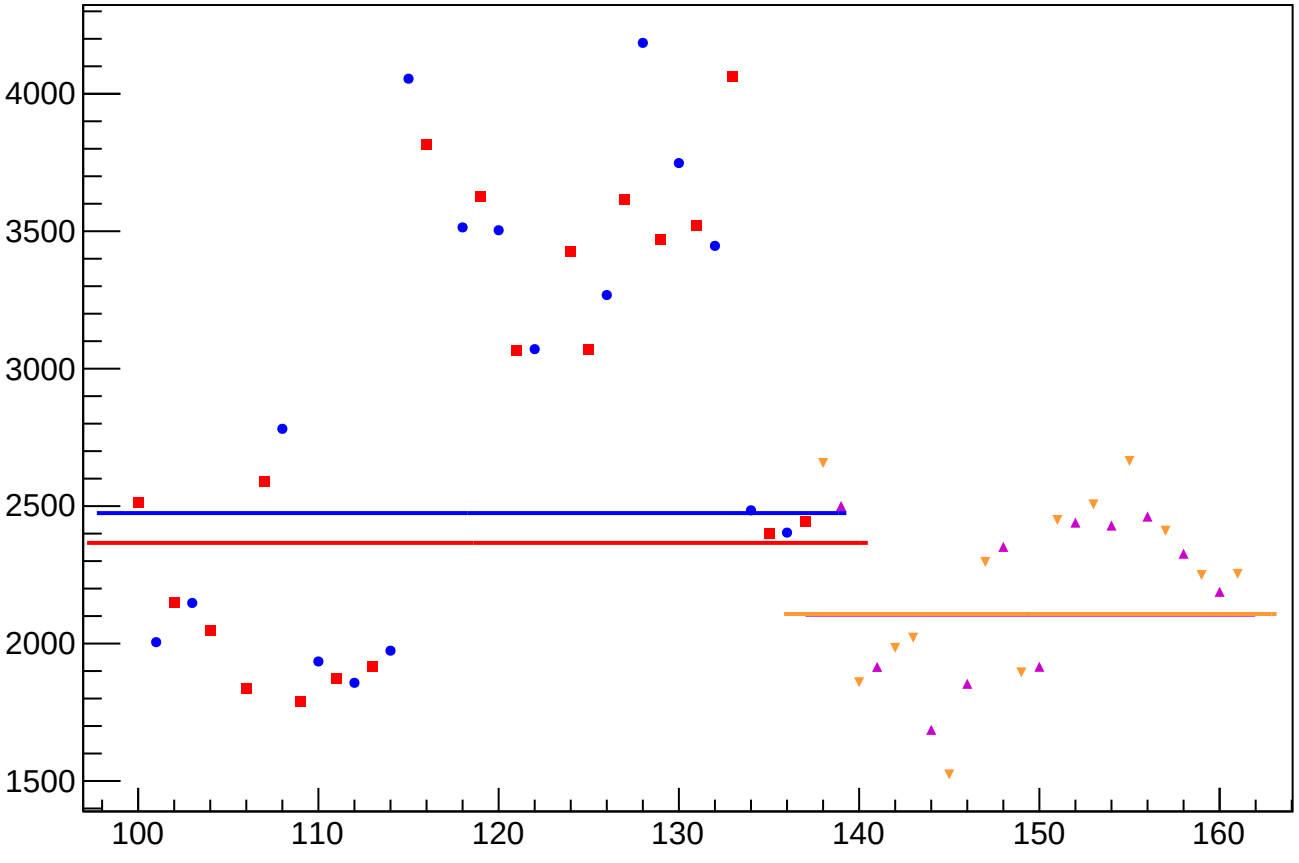
Left In: -846.126+/-690.423 χ^2/NDF:6.4/10

+ sign -2523.461+/-546.048 χ^2/NDF: 48.1/28

All: -1932.202+/-386.819 χ^2/NDF: 72.2/58

- sign -1336.605+/-548.048 χ^2/NDF: 21.8/29

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2107.531+/-0.471 χ^2/NDF:557401.9/12

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

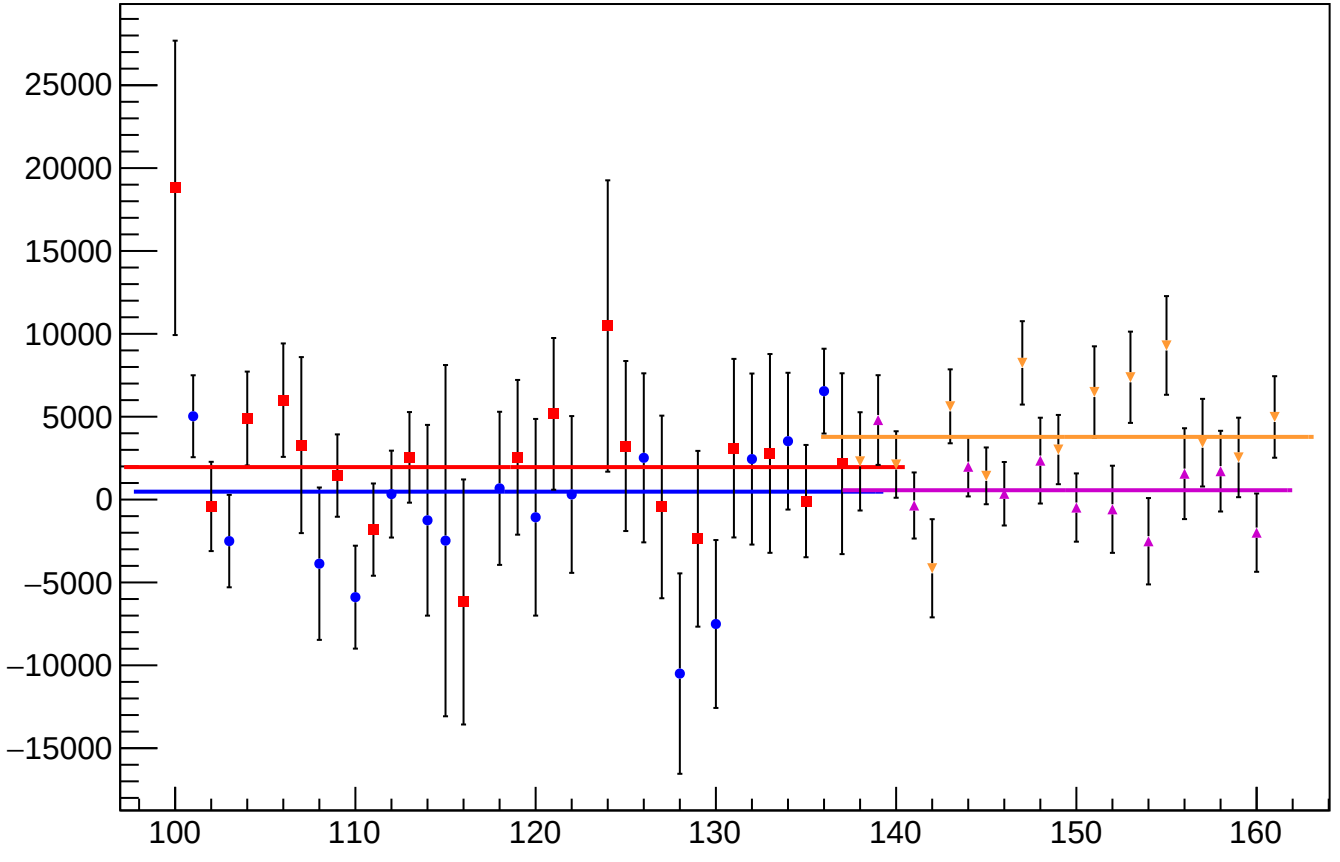
Left In: 2105.006+/-0.488 χ^2/NDF:352492.4/10

+ sign 2227.510+/-0.386 χ^2/NDF: 1672523.8/28

All: 2214.617+/-0.274 χ^2/NDF: 3210327.9/58

- sign 2201.630+/-0.388 χ^2/NDF: 1535566.1/29

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3782.445+/-664.676 χ^2/NDF:20.6/12

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

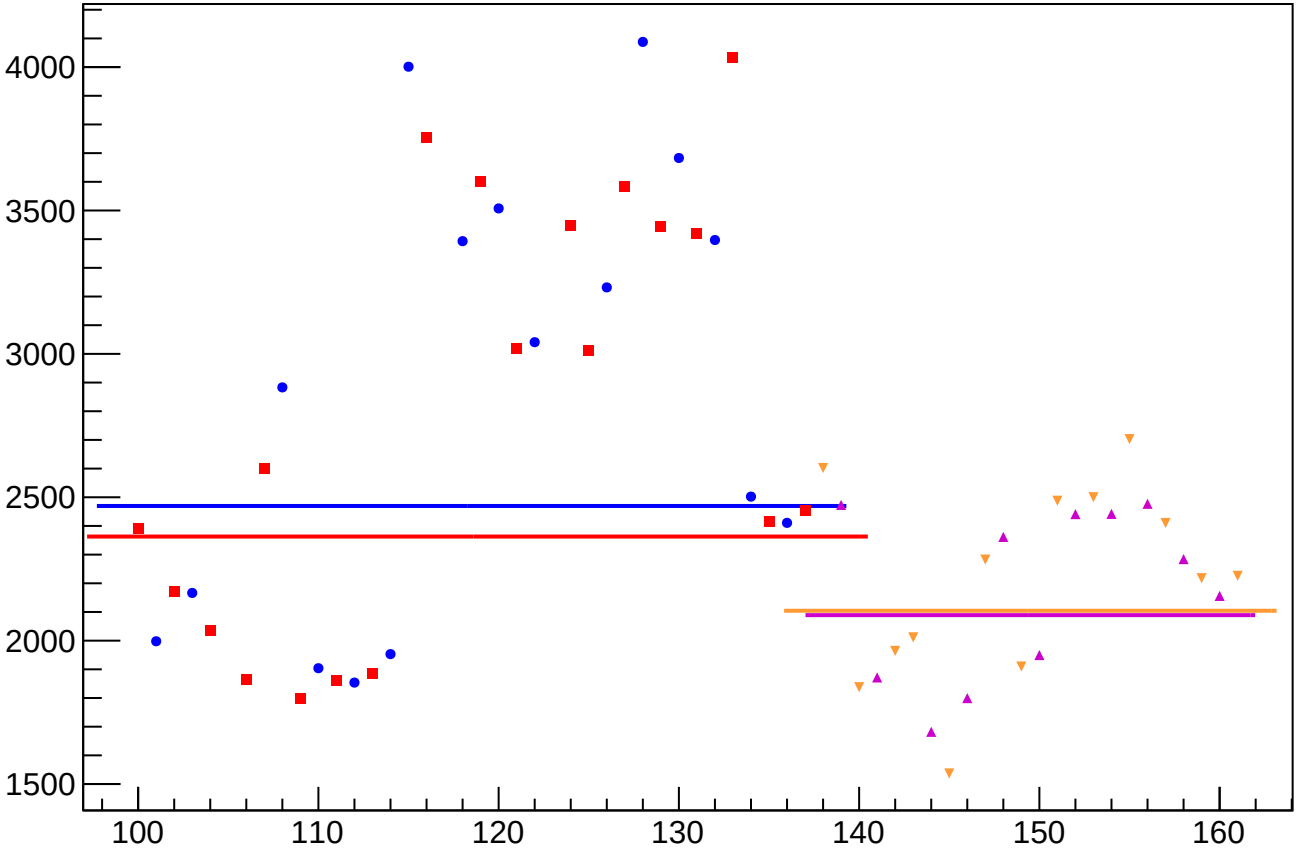
Left In: 563.908+/-685.203 χ^2/NDF:7.2/10

+ sign 2700.438+/-545.128 χ^2/NDF: 50.8/28

All: 1888.310+/-385.459 χ^2/NDF: 76.7/58

- sign 1076.221+/-545.115 χ^2/NDF: 21.5/29

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2104.261+/-0.470 χ^2/NDF:543563.7/12

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

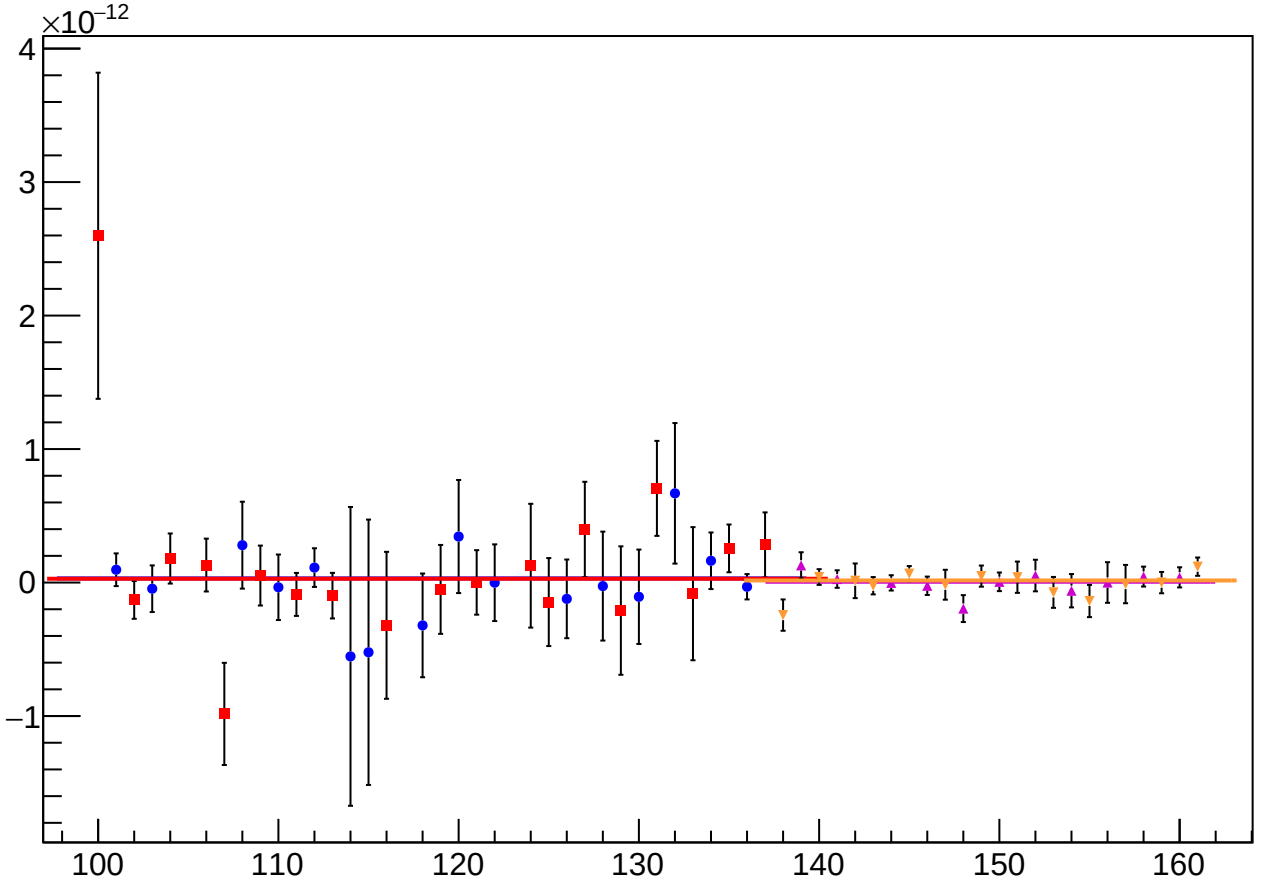
Left In: 2088.947+/-0.485 χ^2/NDF:371389.7/10

+ sign 2223.875+/-0.385 χ^2/NDF: 1627590.5/28

All: 2206.722+/-0.273 χ^2/NDF: 3163776.1/58

- sign 2189.570+/-0.385 χ^2/NDF: 1532225.4/29

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:11.1/12

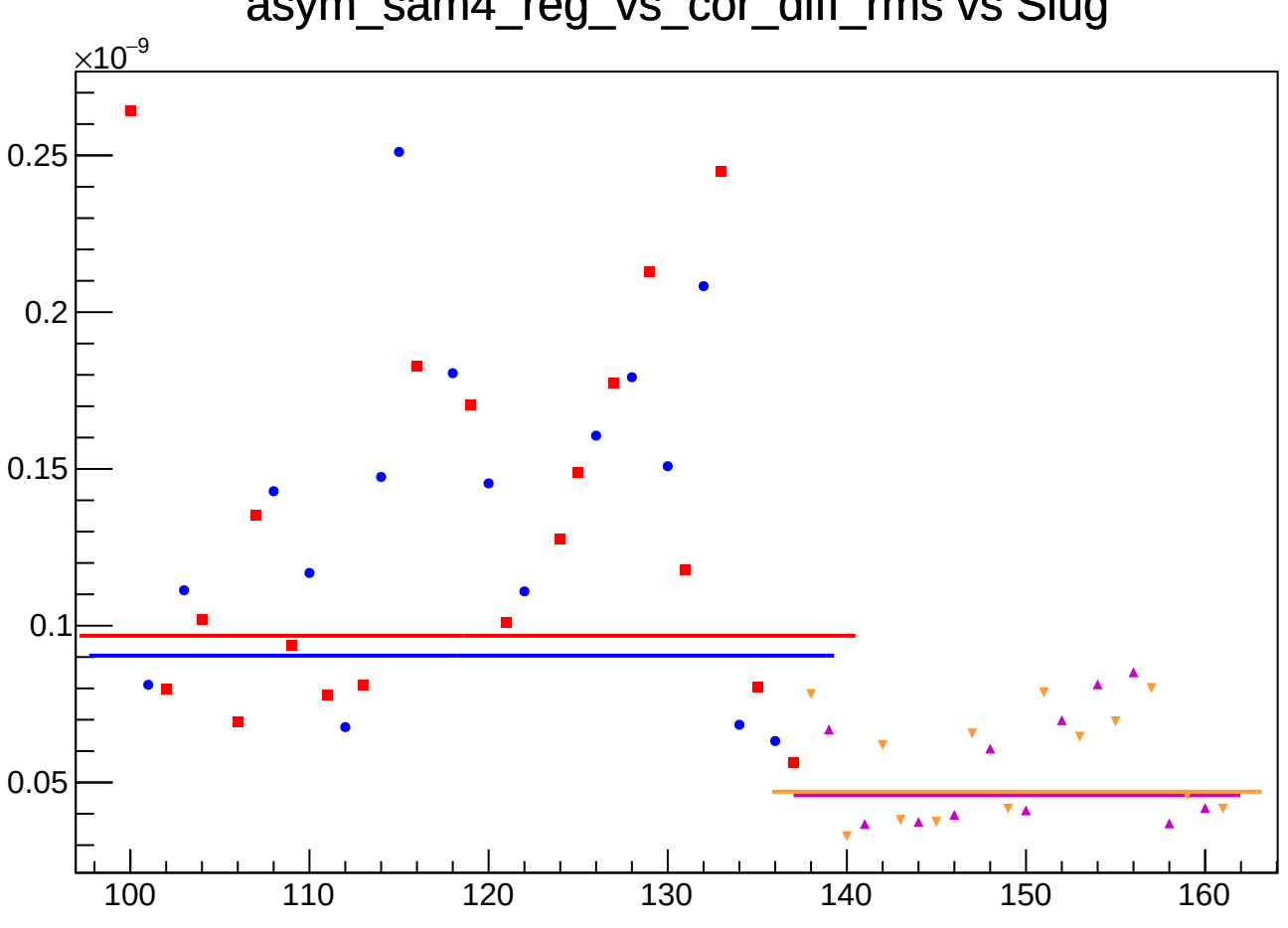
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 17.3/28

All: 0.000+/-0.000 χ^2/NDF: 47.5/58

- sign 0.000+/-0.000 χ^2/NDF: 30.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:822913.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

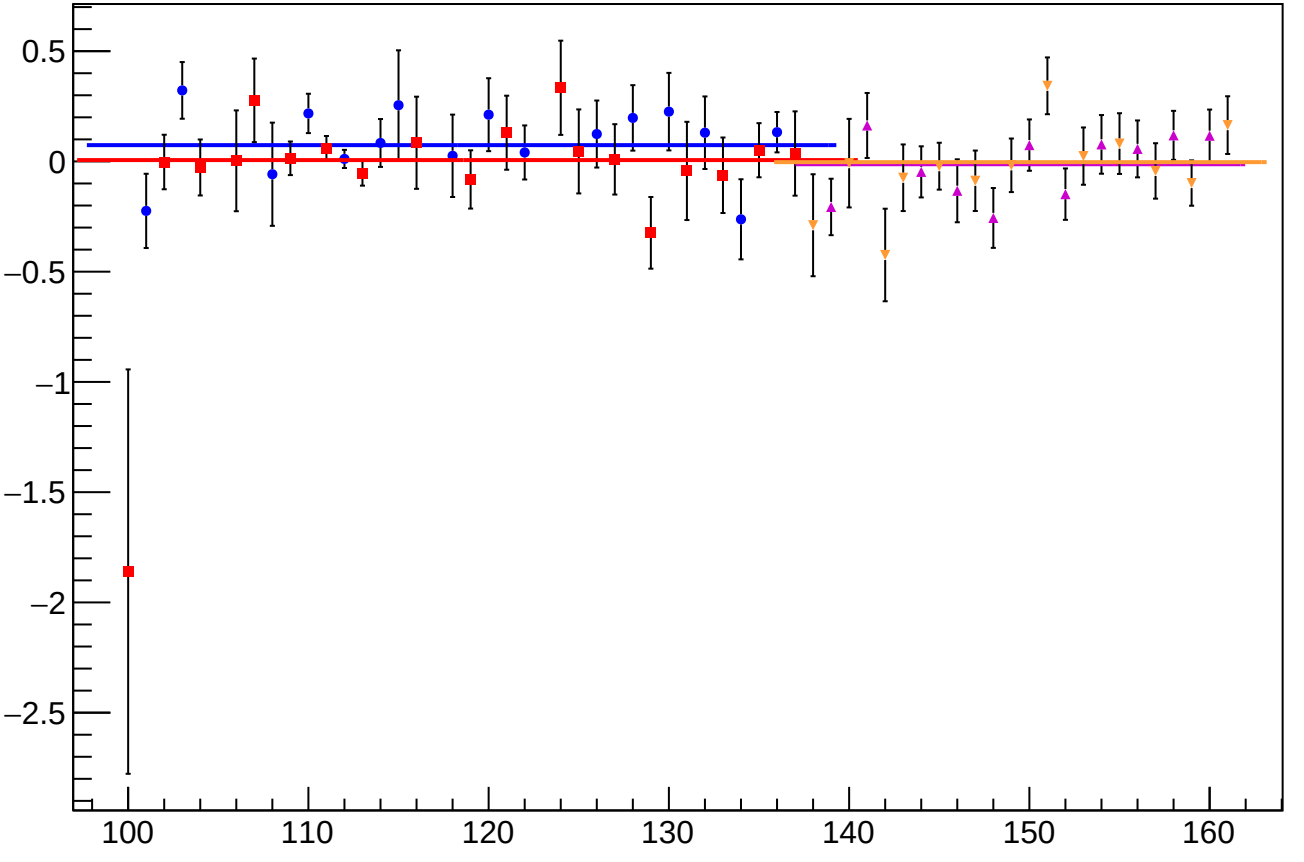
Left In: 0.000+/-0.000 χ^2/NDF:654297.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 2887853.0/28

All: 0.000+/-0.000 χ^2/NDF: 5785528.2/58

- sign 0.000+/-0.000 χ^2/NDF: 2897598.7/29

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.003+/-0.038 χ^2/NDF:16.4/12

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

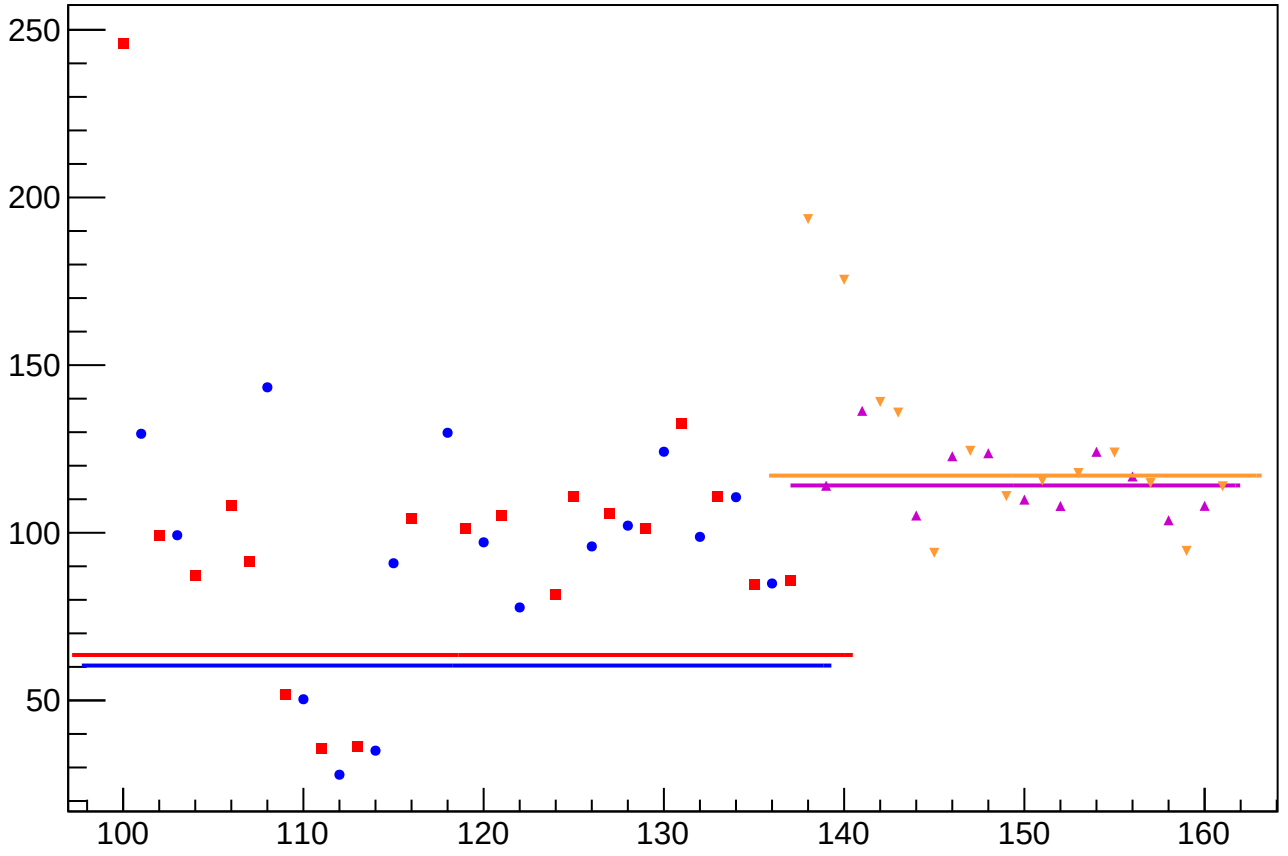
Left In: -0.013+/-0.038 χ^2/NDF:13.0/10

+ sign 0.048+/-0.022 χ^2/NDF: 38.2/28

All: 0.024+/-0.015 χ^2/NDF: 70.1/58

- sign -0.000+/-0.022 χ^2/NDF: 29.5/29

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 117.058+/-0.027 χ^2/NDF:648257.8/12

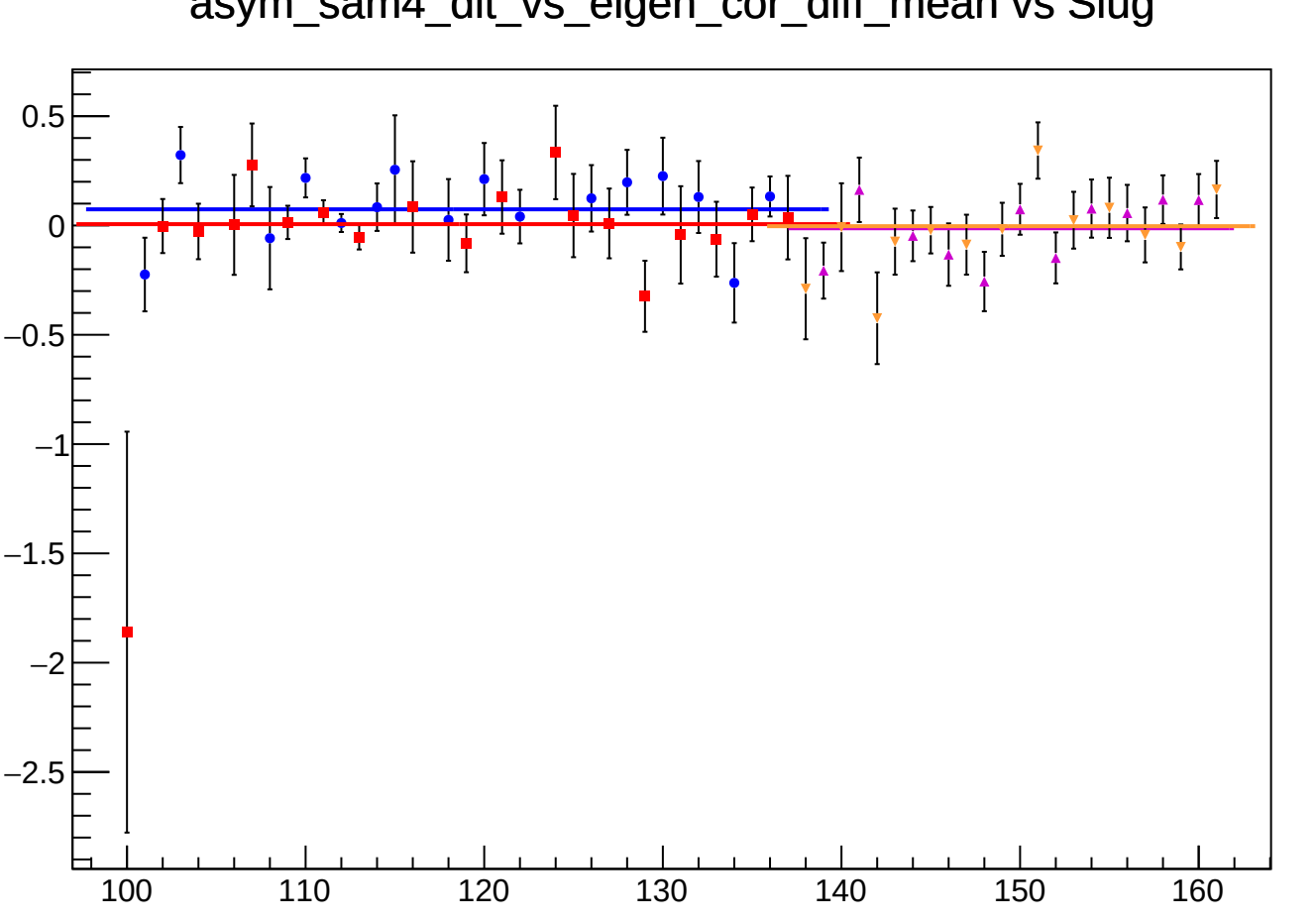
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.113+/-0.027 χ^2/NDF:118184.3/10

\+ sign 79.703+/-0.016 χ^2/NDF: 7183982.7/28

All: 80.106+/-0.011 χ^2/NDF: 12339513.1/58

\- sign 80.507+/-0.015 χ^2/NDF: 5154184.5/29



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.003+/-0.038 χ^2/NDF:16.4/12

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

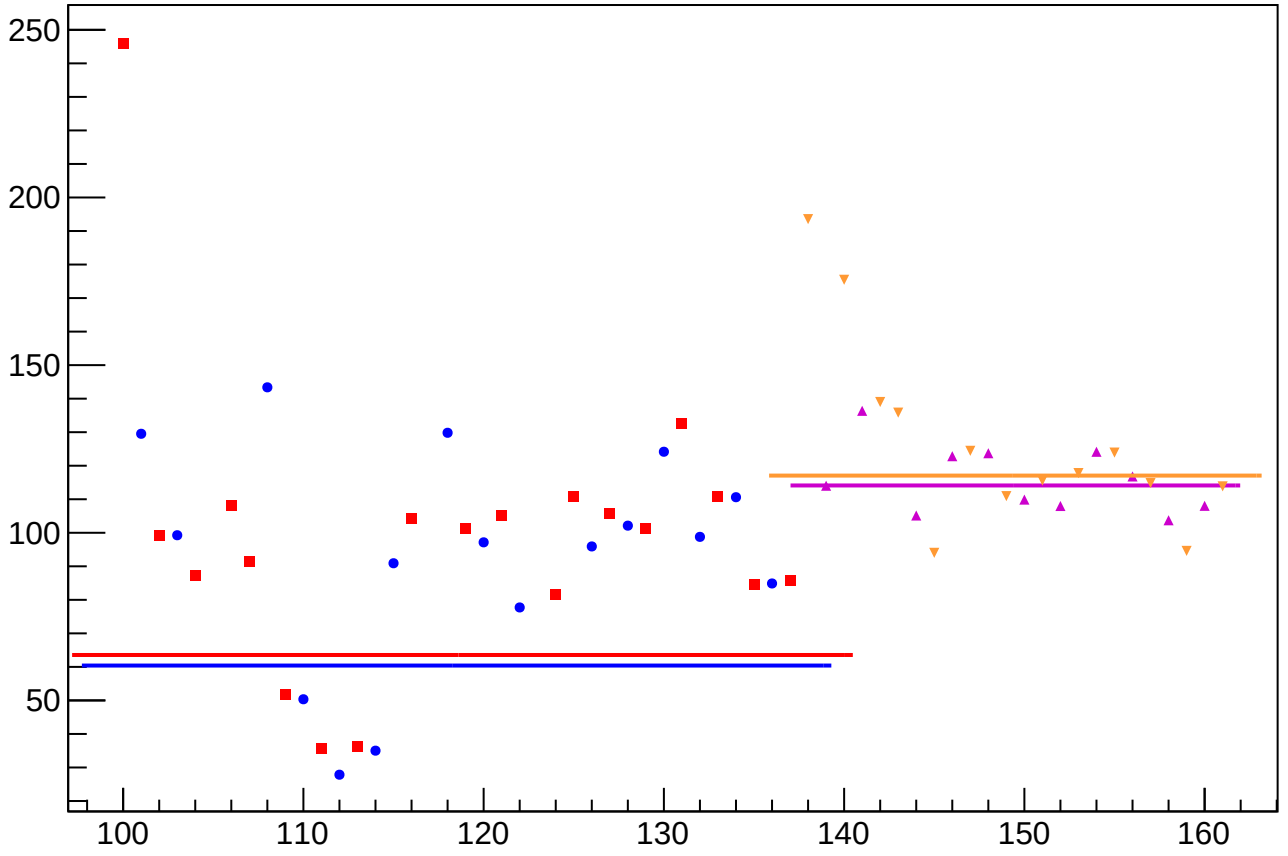
Left In: -0.013+/-0.038 χ^2/NDF:13.0/10

+ sign 0.048+/-0.022 χ^2/NDF: 38.2/28

All: 0.024+/-0.015 χ^2/NDF: 70.1/58

- sign -0.000+/-0.022 χ^2/NDF: 29.5/29

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 117.058+/-0.027 χ^2/NDF:648257.8/12

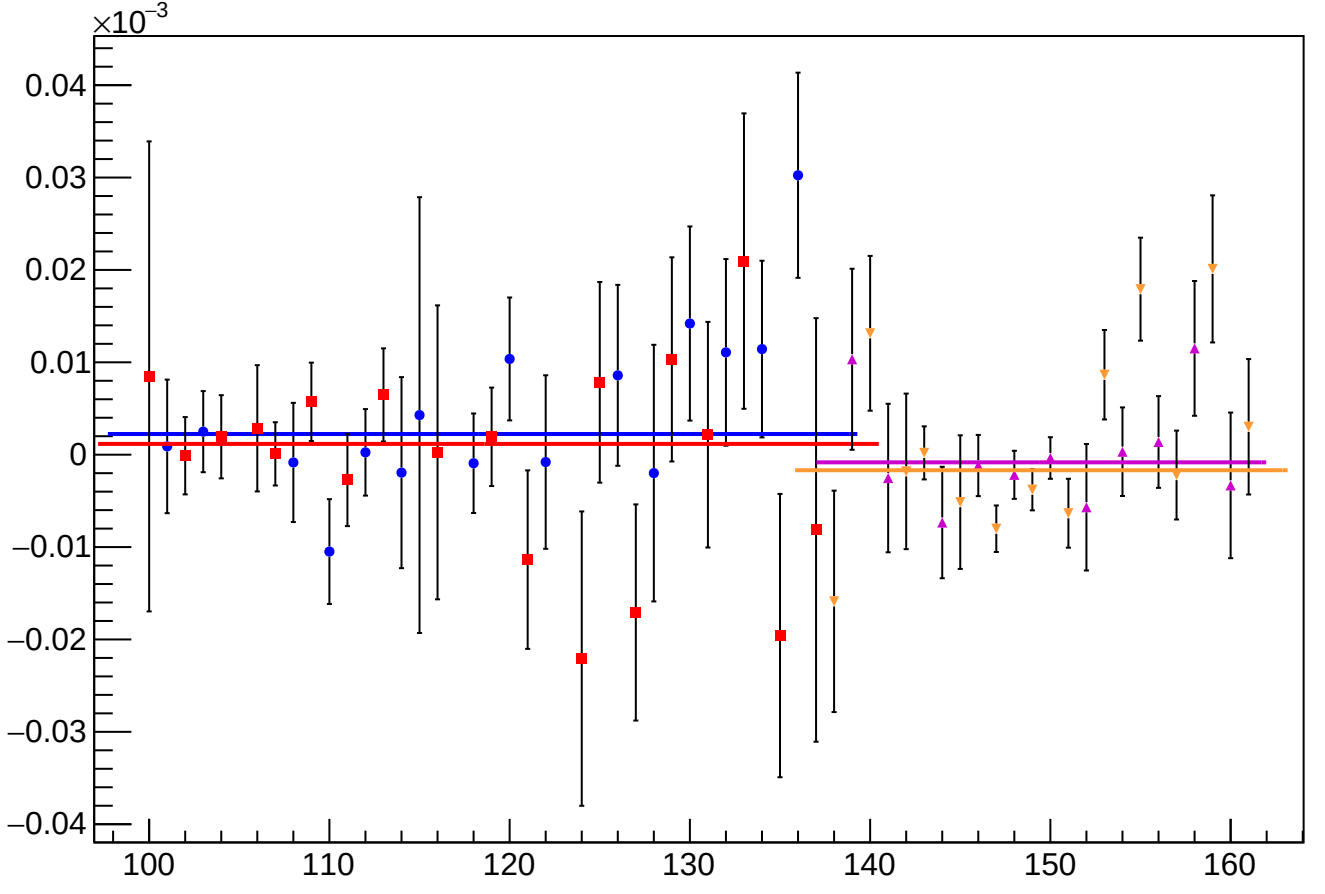
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.113+/-0.027 χ^2/NDF:118184.3/10

\+ sign 79.703+/-0.016 χ^2/NDF: 7183982.7/28

All: 80.106+/-0.011 χ^2/NDF: 12339513.1/58

\- sign 80.507+/-0.015 χ^2/NDF: 5154184.5/29



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

Left Out: -0.000+/-0.000 χ^2/NDF:38.8/12

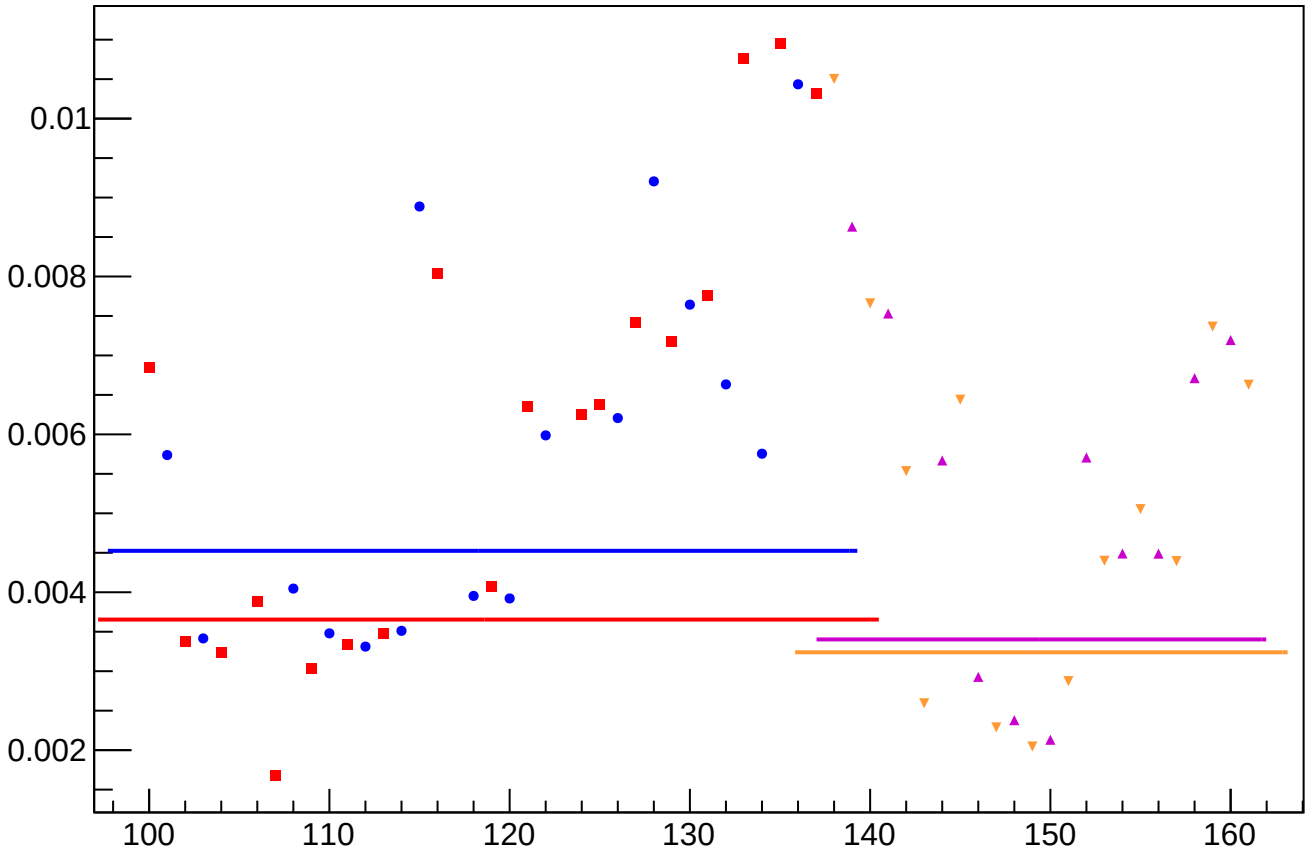
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 59.6/28

All: -0.000+/-0.000 χ^2/NDF: 81.4/58

- sign -0.000+/-0.000 χ^2/NDF: 21.7/29



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:4212367.5/12

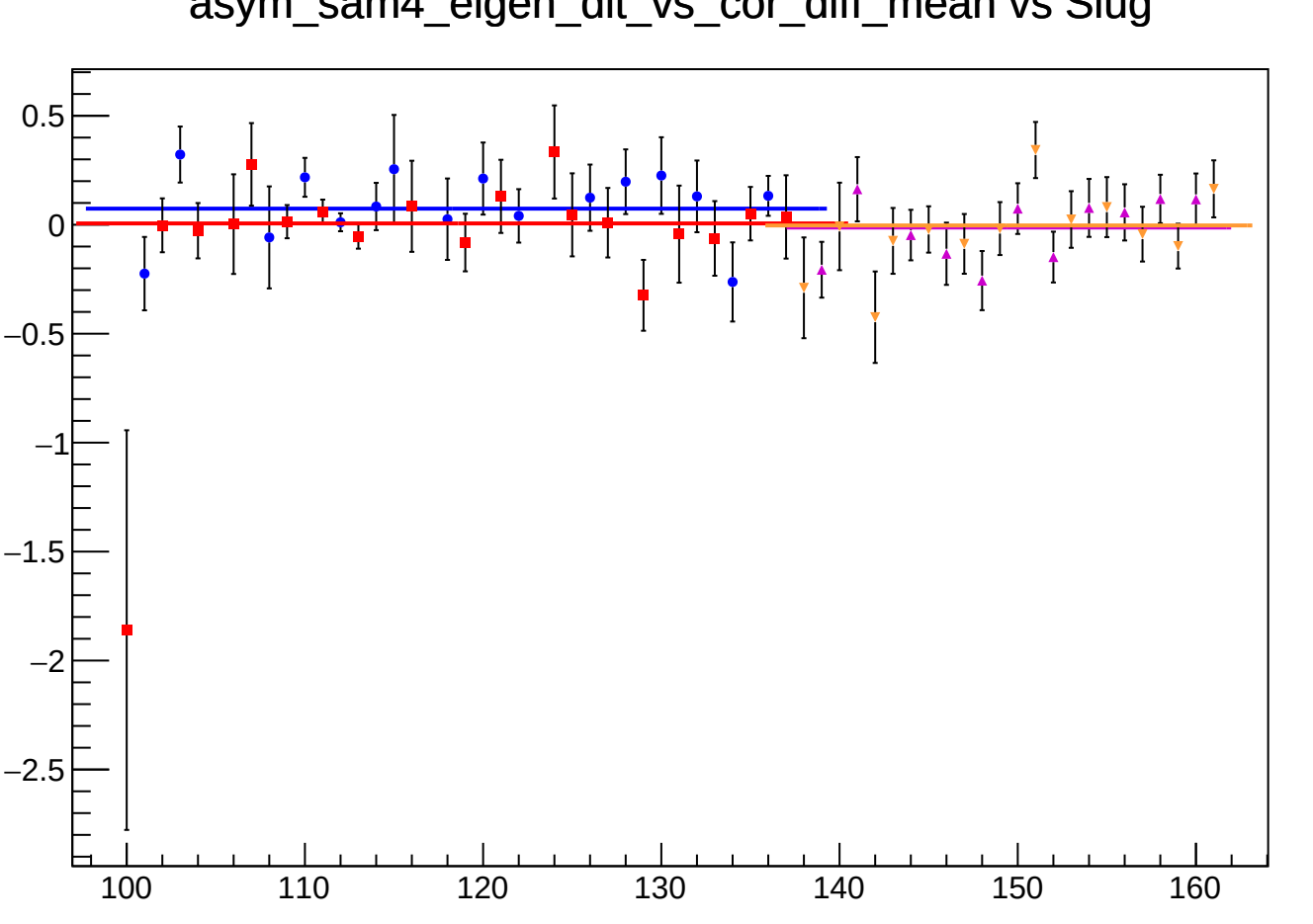
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:3667138.4/10

+ sign 0.004+/-0.000 χ^2/NDF: 6651763.2/28

All: 0.004+/-0.000 χ^2/NDF: 13296287.2/58

- sign 0.004+/-0.000 χ^2/NDF: 6633410.9/29



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.003+/-0.038 χ^2/NDF:16.4/12

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

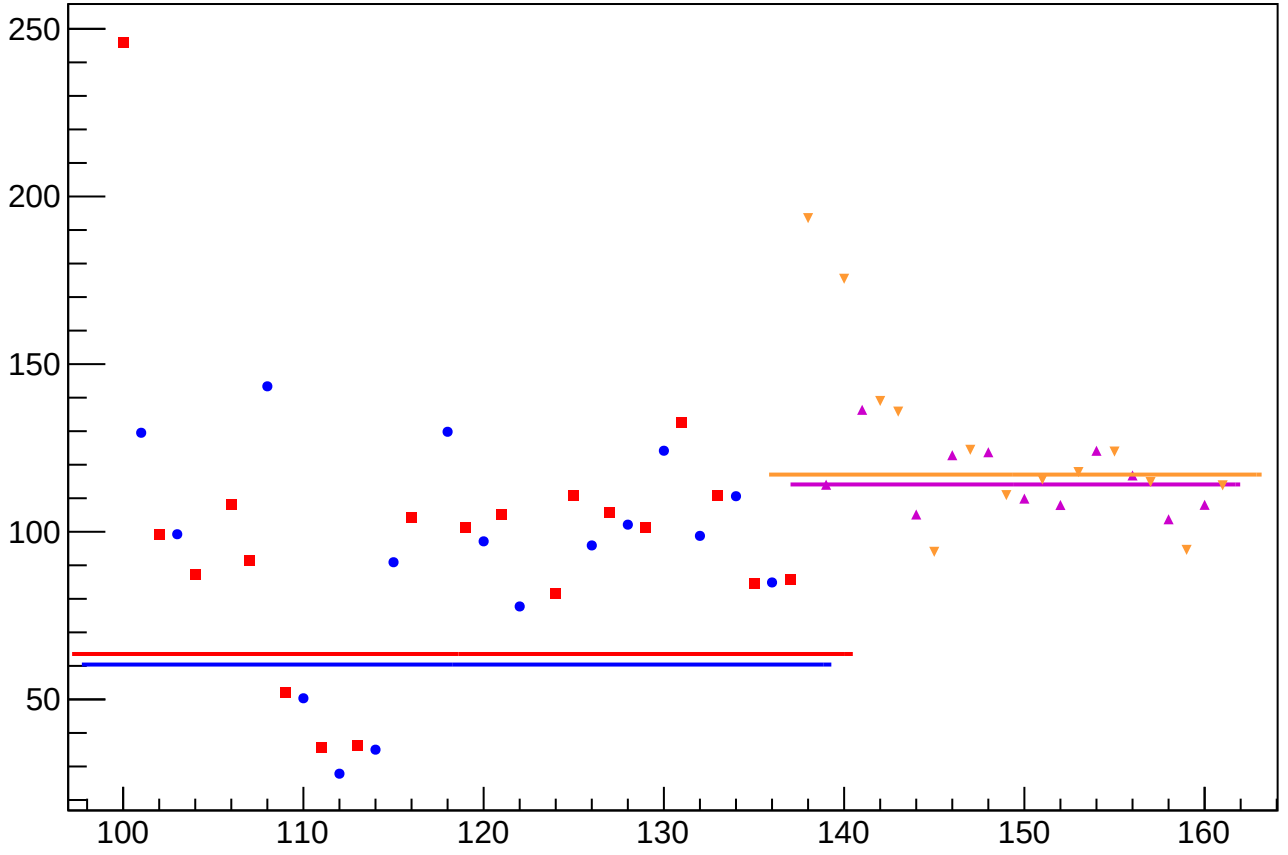
Left In: -0.013+/-0.038 χ^2/NDF:13.0/10

+ sign 0.048+/-0.022 χ^2/NDF: 38.2/28

All: 0.024+/-0.015 χ^2/NDF: 70.1/58

- sign -0.000+/-0.022 χ^2/NDF: 29.5/29

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.059+/-0.027 χ^2/NDF:648227.6/12

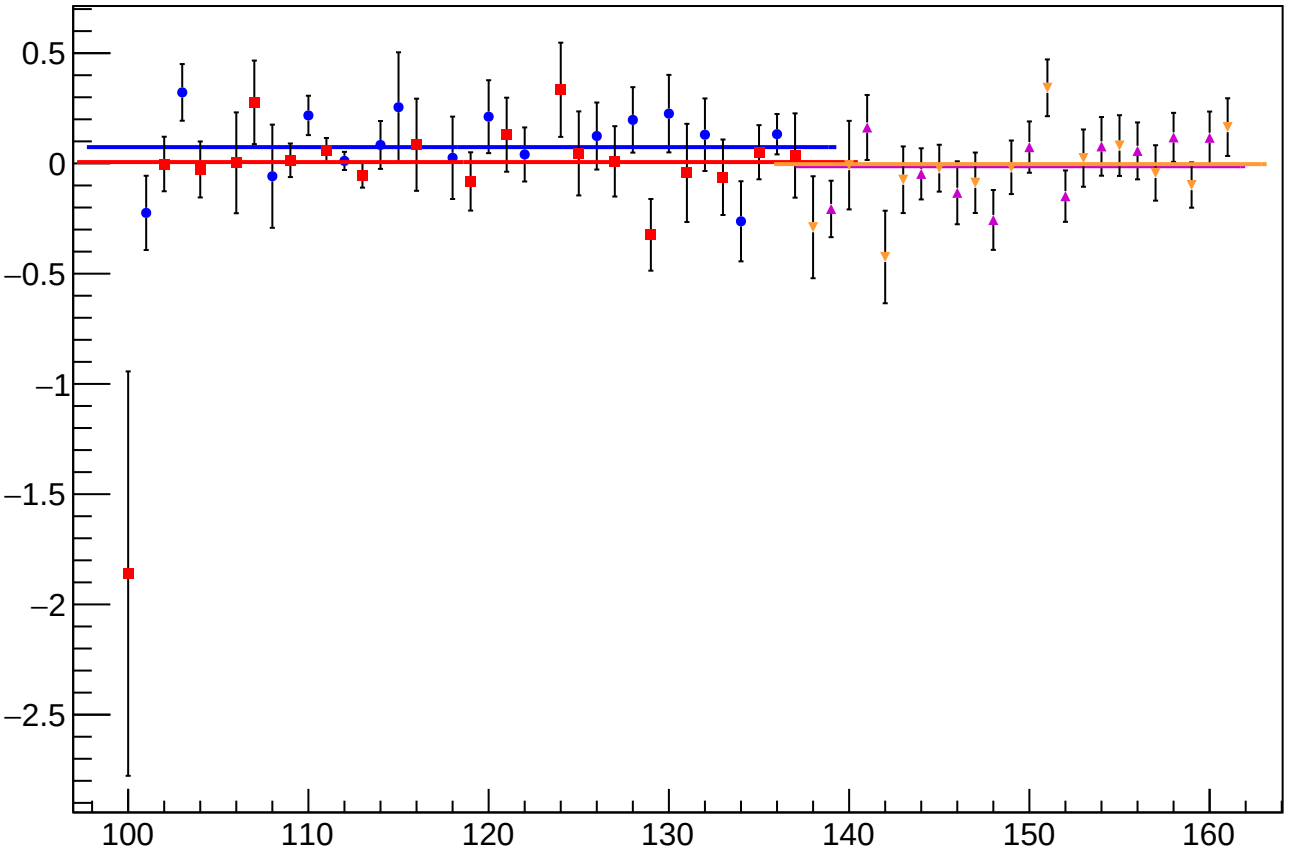
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.114+/-0.027 χ^2/NDF:118183.4/10

\+ sign 79.701+/-0.016 χ^2/NDF: 7184576.9/28

All: 80.104+/-0.011 χ^2/NDF: 12340657.7/58

\- sign 80.505+/-0.015 χ^2/NDF: 5154733.7/29



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.003+/-0.038 χ^2/NDF:16.4/12

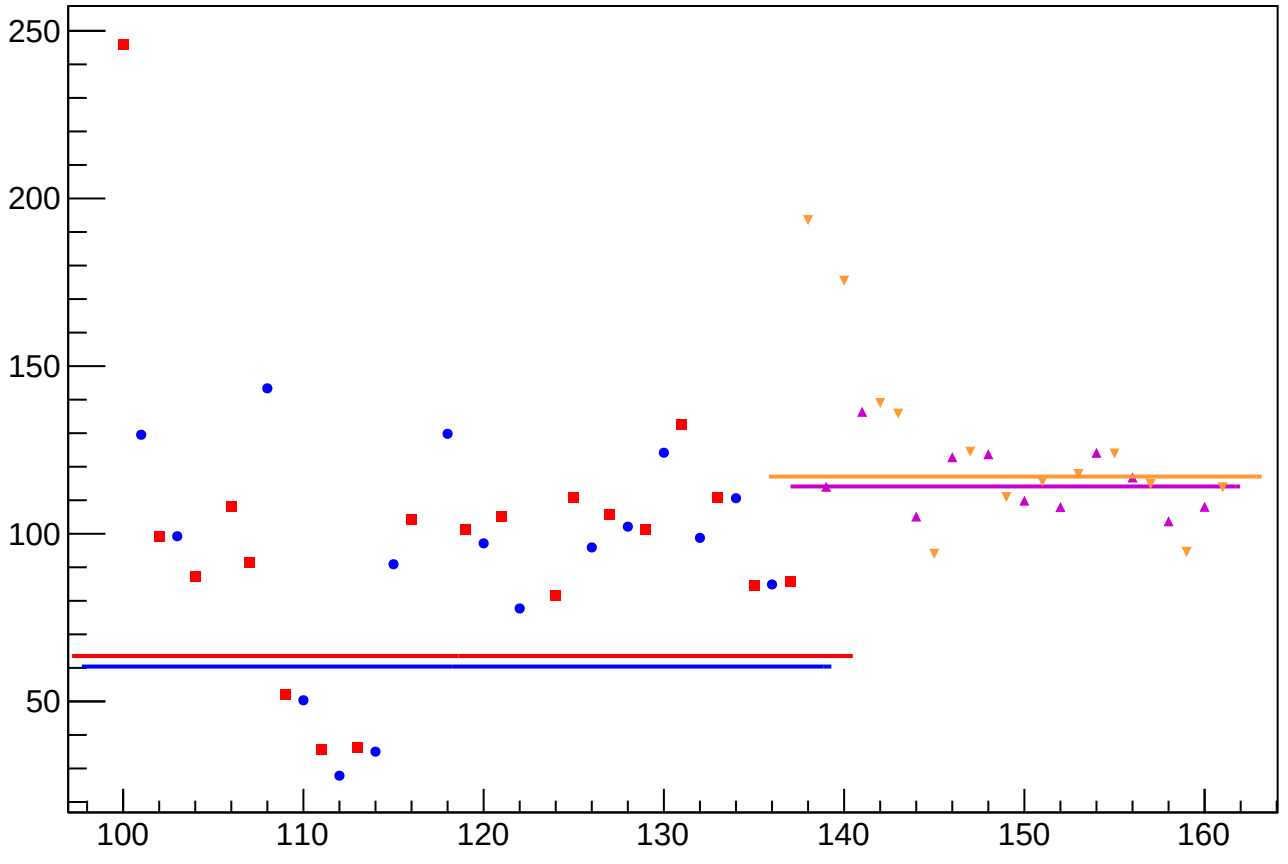
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.013+/-0.038 χ^2/NDF:13.0/10

+ sign 0.048+/-0.022 χ^2/NDF: 38.2/28

All: 0.024+/-0.015 χ^2/NDF: 70.1/58

- sign -0.000+/-0.022 χ^2/NDF: 29.5/29



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.059+/-0.027 χ^2/NDF:648227.6/12

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

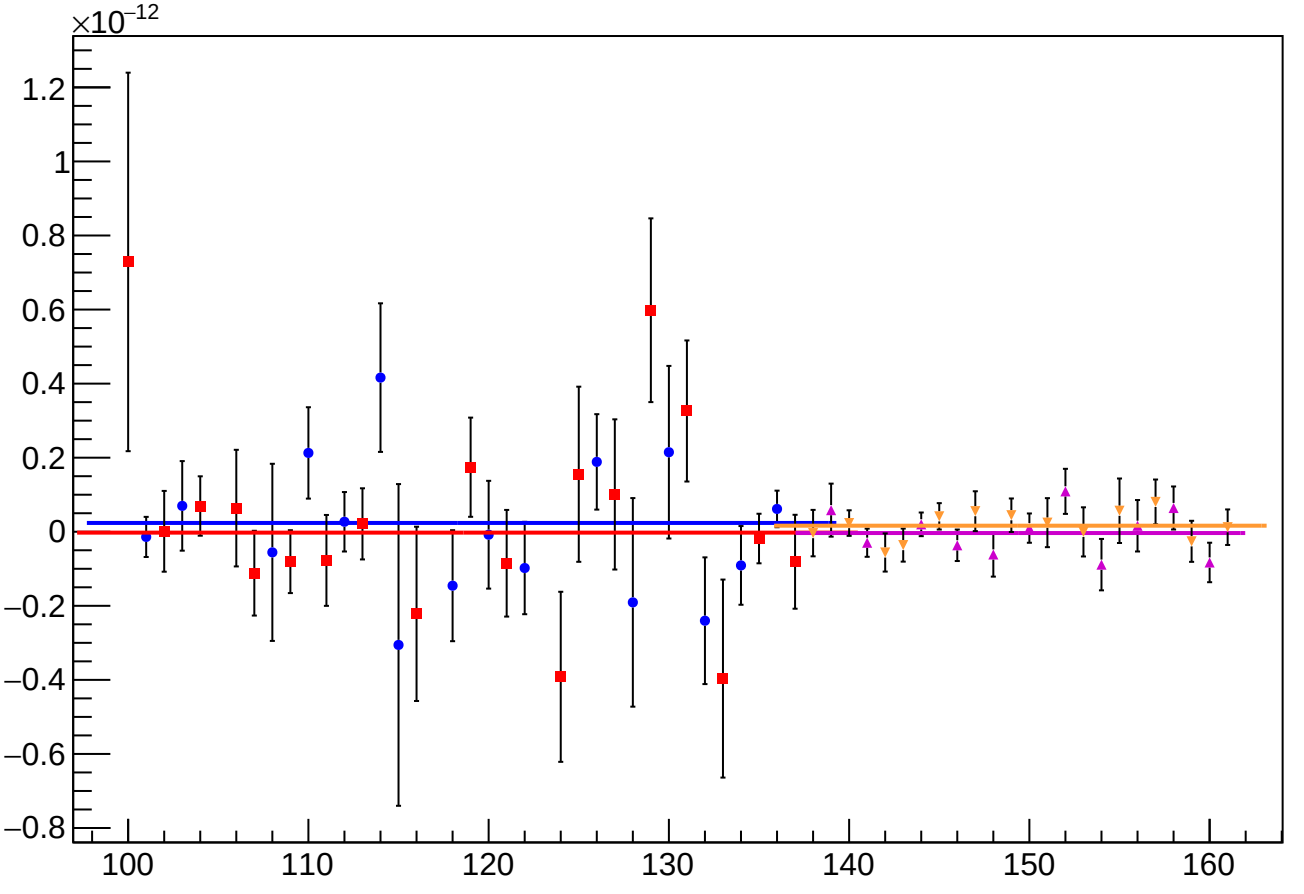
Left In: 114.114+/-0.027 χ^2/NDF:118183.4/10

+ sign 79.701+/-0.016 χ^2/NDF: 7184576.9/28

All: 80.104+/-0.011 χ^2/NDF: 12340657.7/58

- sign 80.505+/-0.015 χ^2/NDF: 5154733.7/29

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:6.9/12

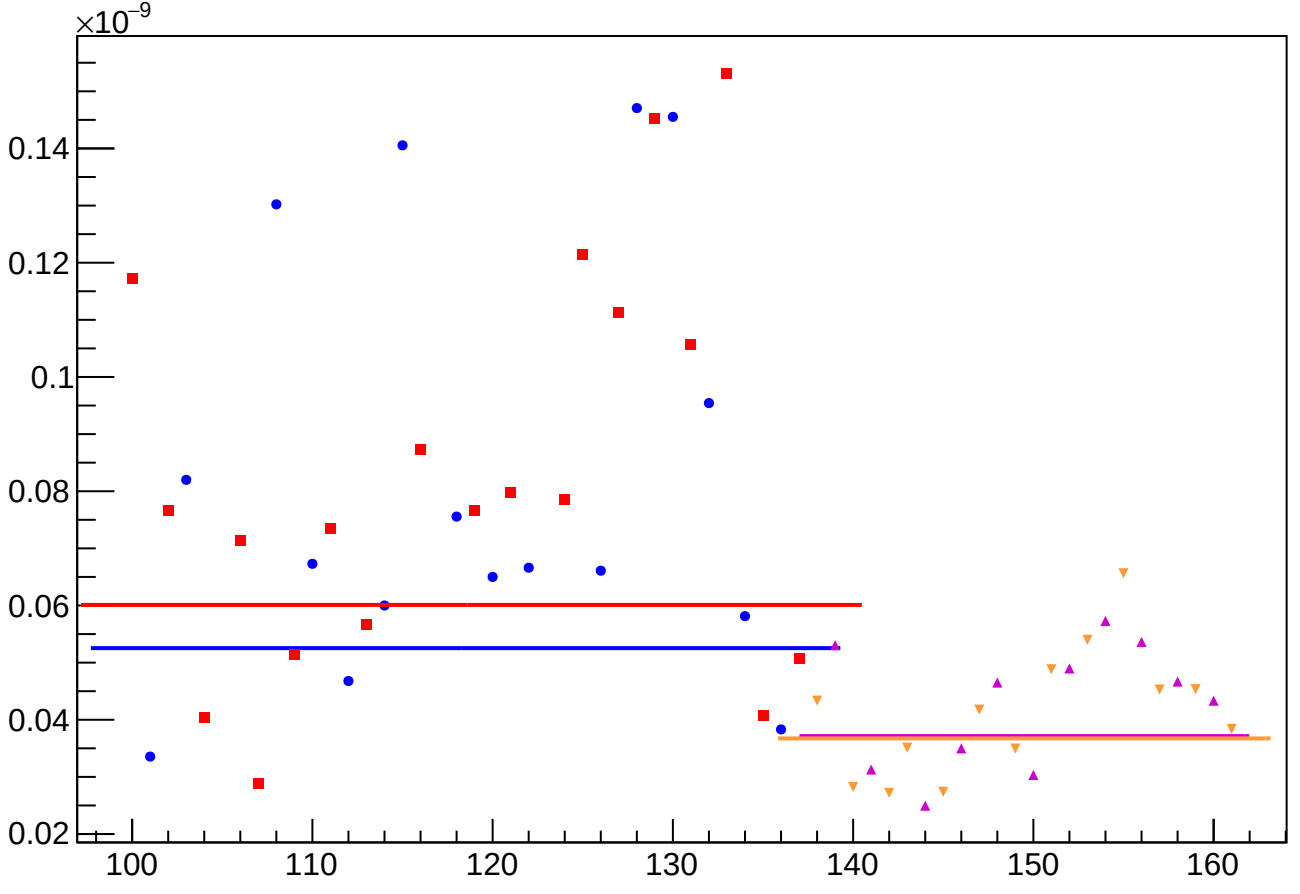
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:12.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/28

All: 0.000+/-0.000 χ^2/NDF: 60.4/58

- sign -0.000+/-0.000 χ^2/NDF: 35.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:886183.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

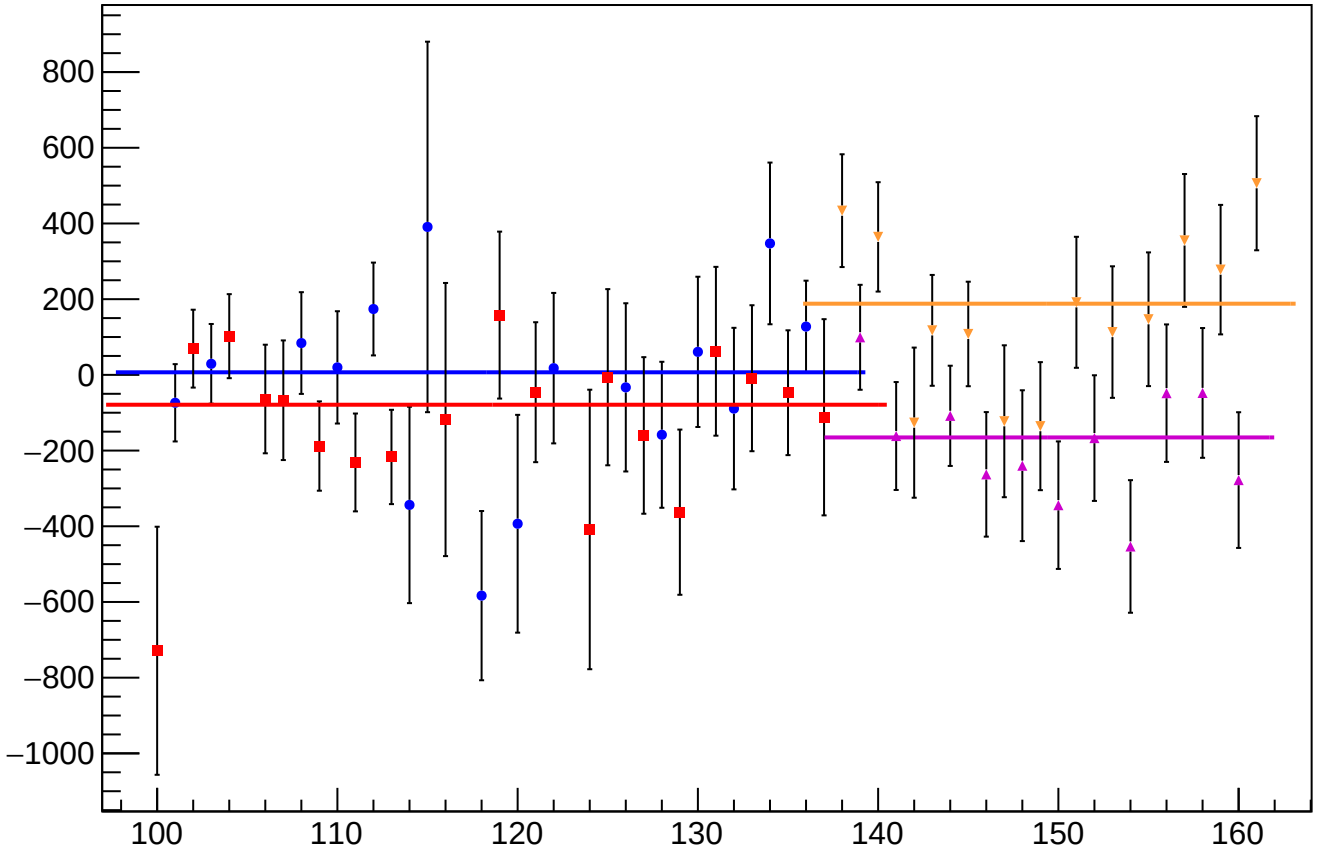
Left In: 0.000+/-0.000 χ^2/NDF:988633.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 3104186.2/28

All: 0.000+/-0.000 χ^2/NDF: 6655284.5/58

- sign 0.000+/-0.000 χ^2/NDF: 3534178.0/29

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 188.053+/-45.918 χ^2/NDF:18.0/12

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

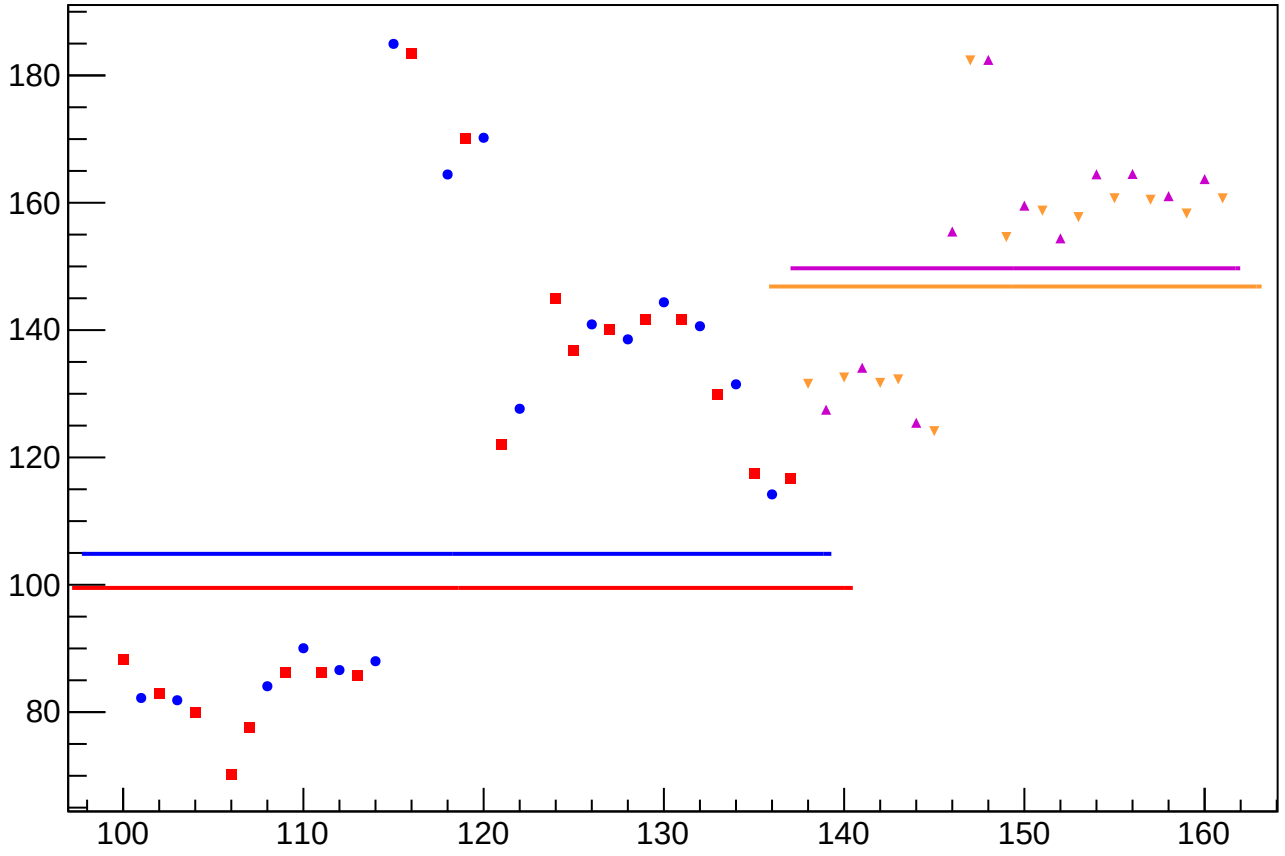
Left In: -165.282+/-48.796 χ^2/NDF:9.4/10

+ sign 85.788+/-30.312 χ^2/NDF: 45.6/28

All: -14.038+/-21.299 χ^2/NDF: 95.1/58

- sign -111.399+/-29.935 χ^2/NDF: 28.1/29

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 146.848+/-0.032 χ^2/NDF:255979.8/12

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

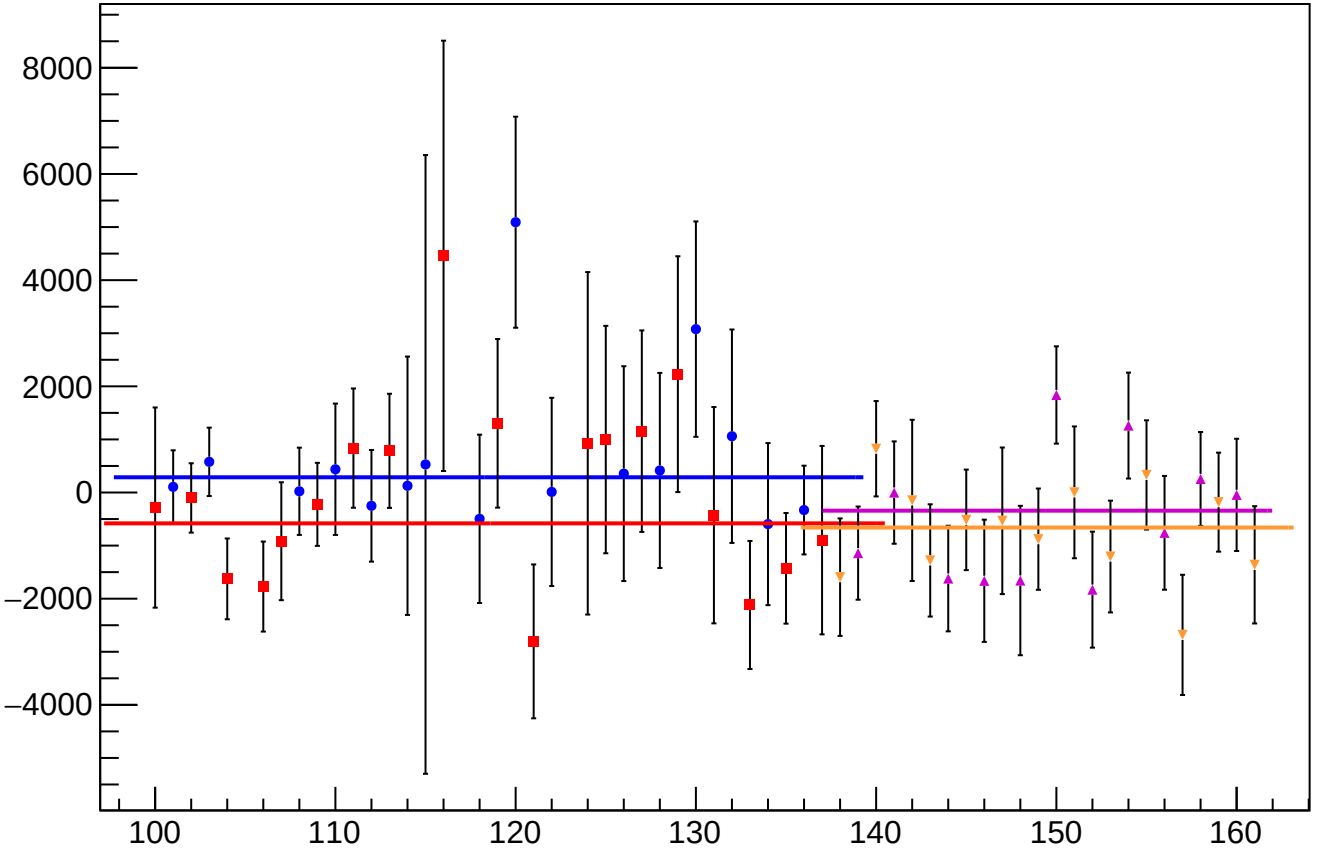
Left In: 149.709+/-0.035 χ^2/NDF:255834.4/10

+ sign 123.156+/-0.021 χ^2/NDF: 2130770.4/28

All: 120.749+/-0.015 χ^2/NDF: 4770751.2/58

- sign 118.401+/-0.021 χ^2/NDF: 2615059.9/29

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -659.845+/-296.590 χ^2/NDF:9.3/12

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

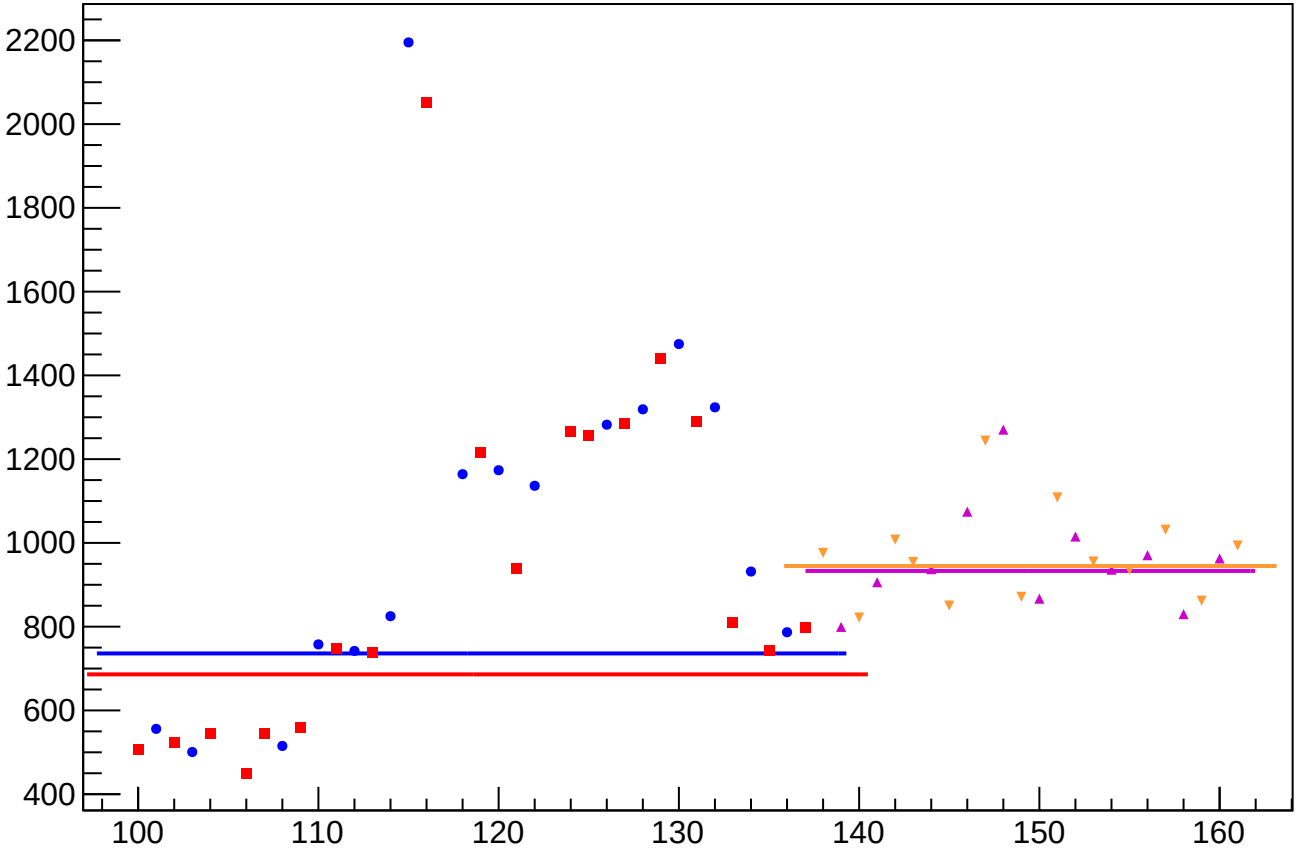
Left In: -341.912+/-305.393 χ^2/NDF:15.6/10

+ sign -181.464+/-208.610 χ^2/NDF: 24.2/28

All: -333.506+/-145.185 χ^2/NDF: 59.9/58

- sign -476.327+/-202.185 χ^2/NDF: 34.7/29

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 944.795+/-0.210 χ^2/NDF:235181.8/12

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

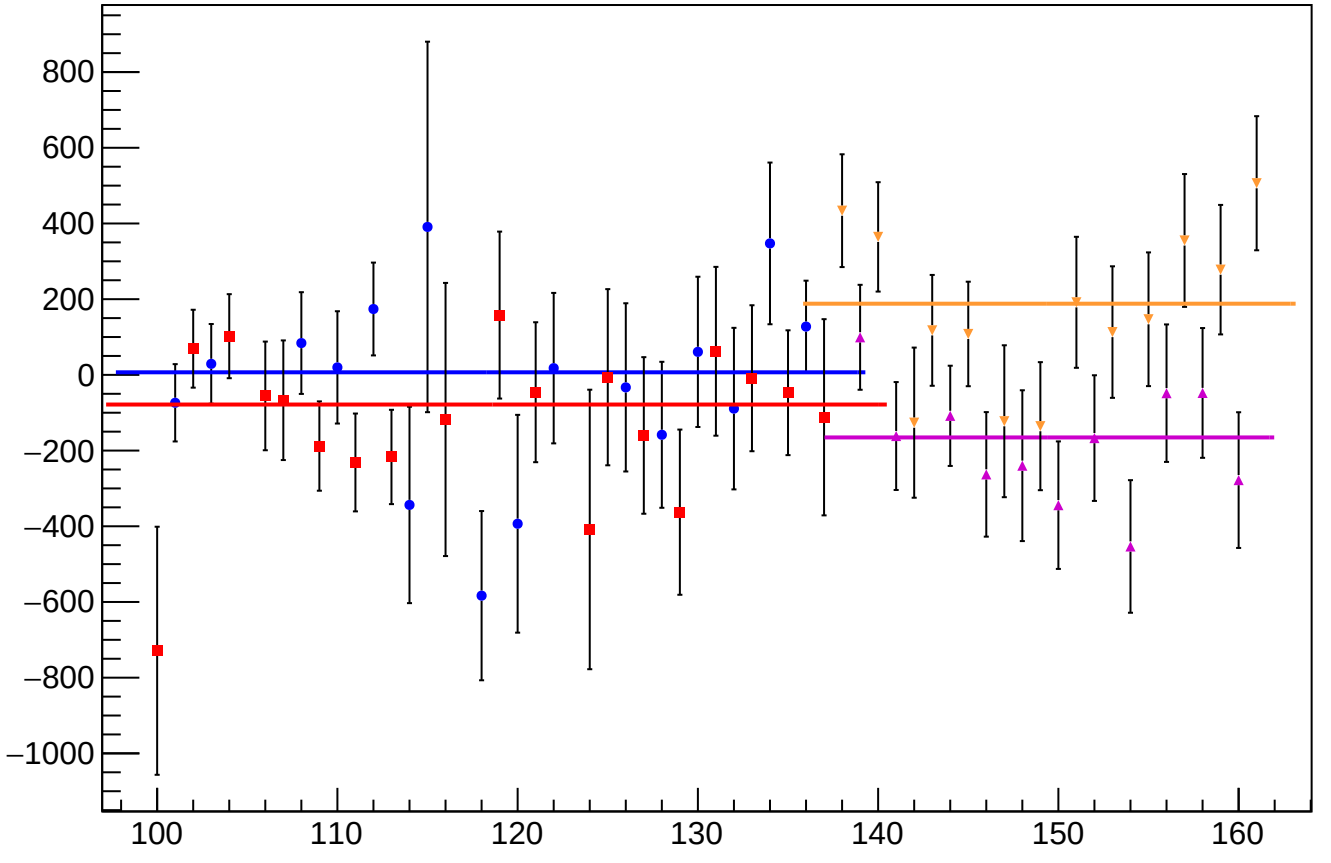
Left In: 933.057+/-0.216 χ^2/NDF:246053.2/10

+ sign 839.337+/-0.148 χ^2/NDF: 2580105.3/28

All: 816.139+/-0.103 χ^2/NDF: 5427848.2/58

- sign 794.348+/-0.143 χ^2/NDF: 2799779.4/29

cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 188.047+/-45.918 χ^2/NDF:18.0/12

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

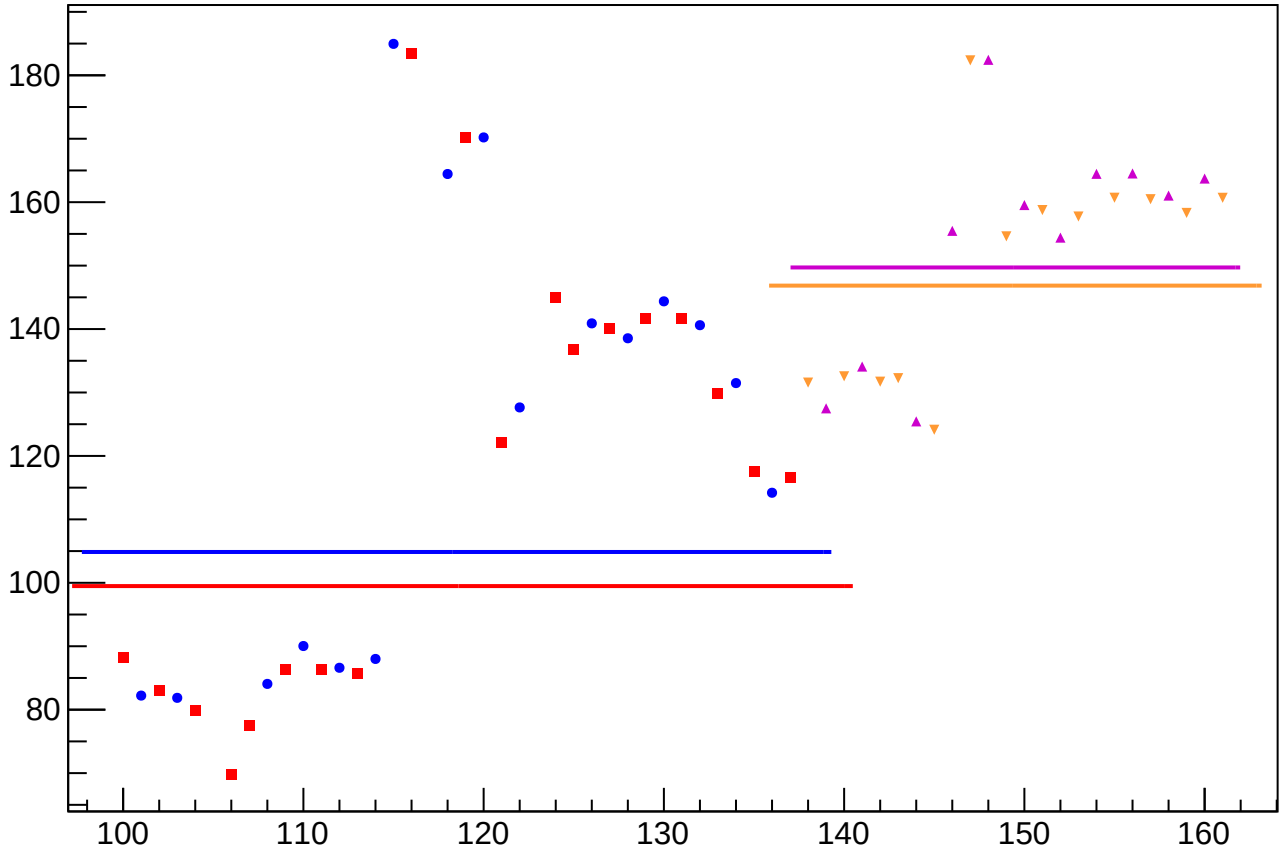
Left In: -165.286+/-48.796 χ^2/NDF:9.4/10

+ sign 85.779+/-30.312 χ^2/NDF: 45.6/28

All: -13.871+/-21.300 χ^2/NDF: 95.0/58

- sign -111.069+/-29.936 χ^2/NDF: 28.1/29

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 146.848+/-0.032 χ^2/NDF:255979.8/12

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

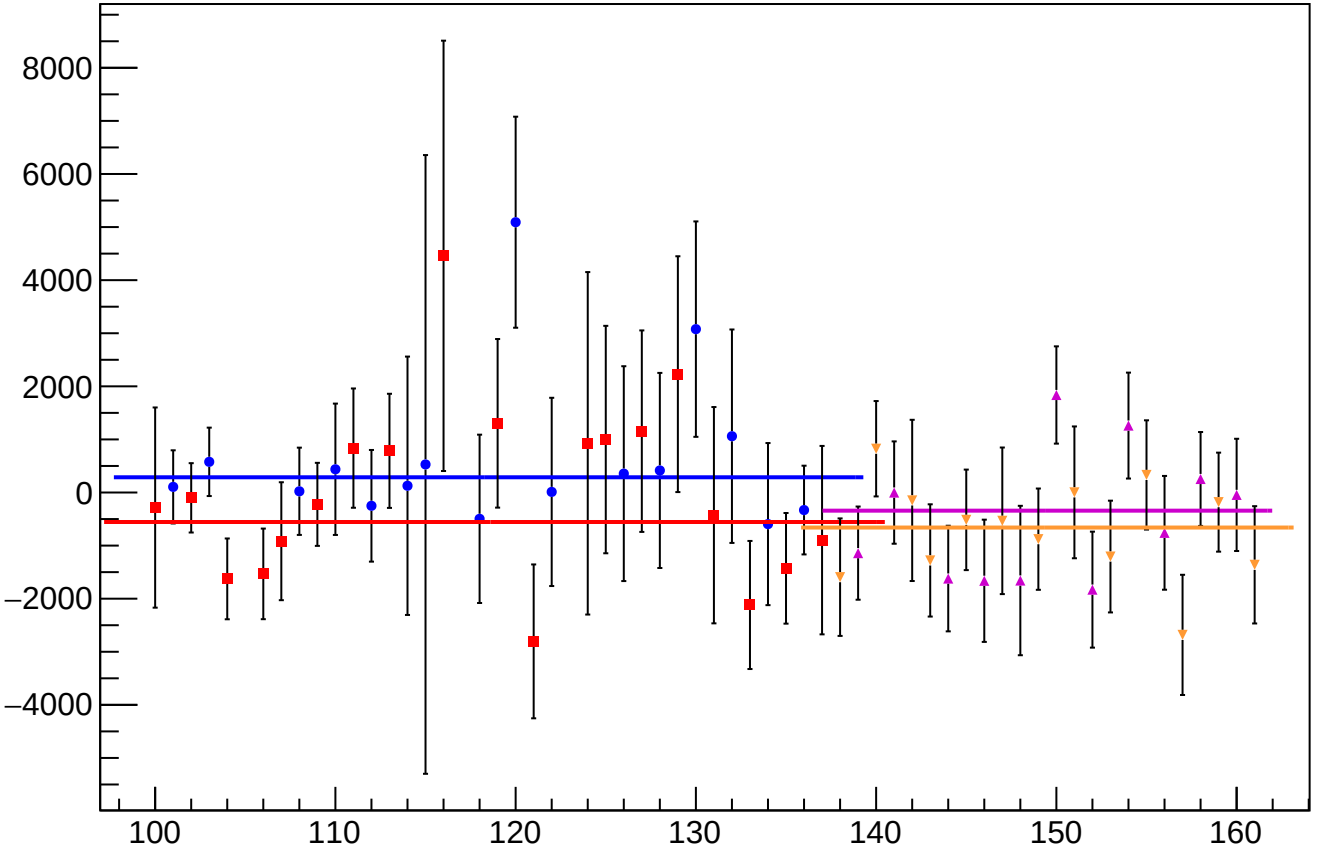
Left In: 149.709+/-0.035 χ^2/NDF:255834.4/10

+ sign 123.156+/-0.021 χ^2/NDF: 2130768.9/28

All: 120.742+/-0.015 χ^2/NDF: 4774260.7/58

- sign 118.388+/-0.021 χ^2/NDF: 2618433.0/29

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -659.846+/-296.591 χ^2/NDF:9.3/12

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

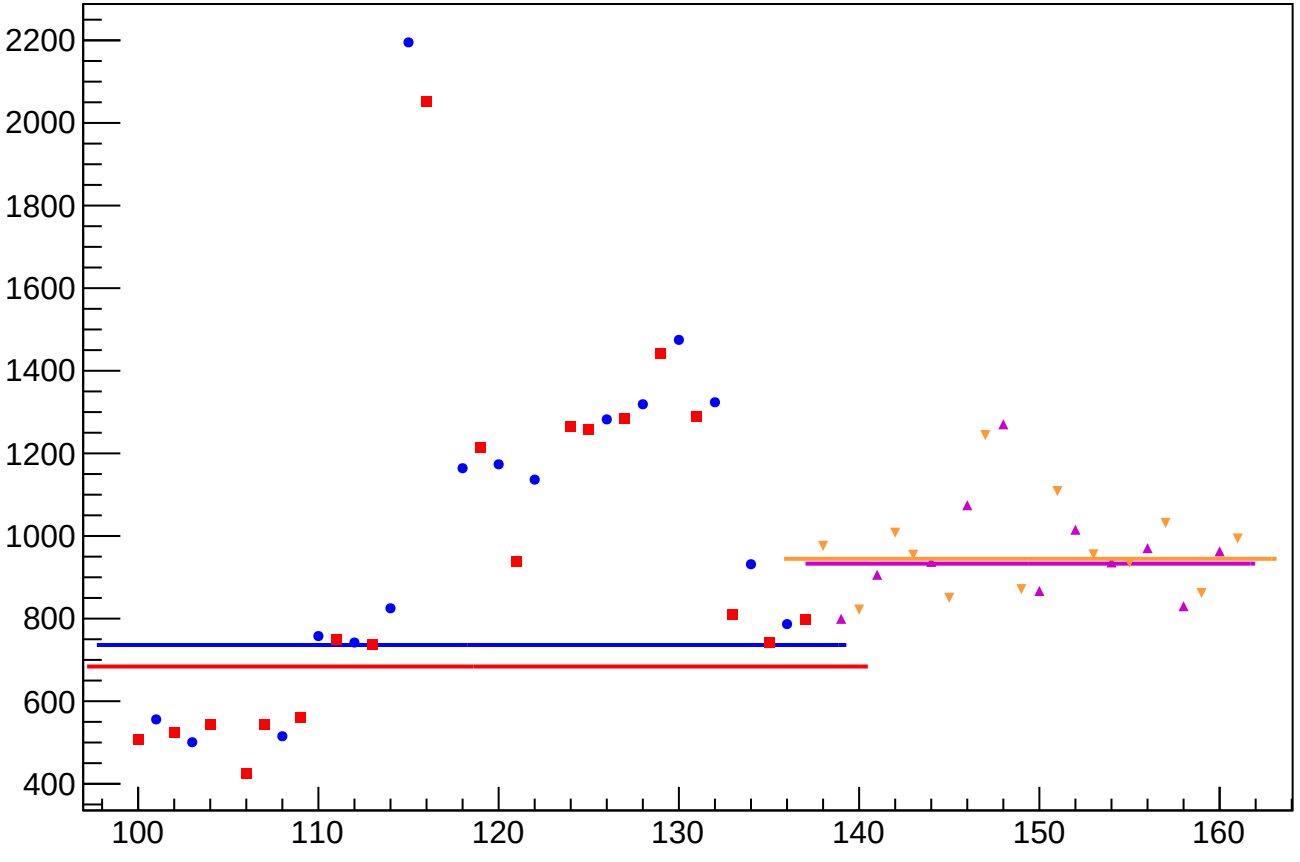
Left In: -341.912+/-305.393 χ^2/NDF:15.6/10

+ sign -181.463+/-208.610 χ^2/NDF: 24.2/28

All: -325.951+/-145.213 χ^2/NDF: 59.0/58

- sign -461.777+/-202.260 χ^2/NDF: 33.9/29

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 944.796+/-0.210 χ^2/NDF:235182.0/12

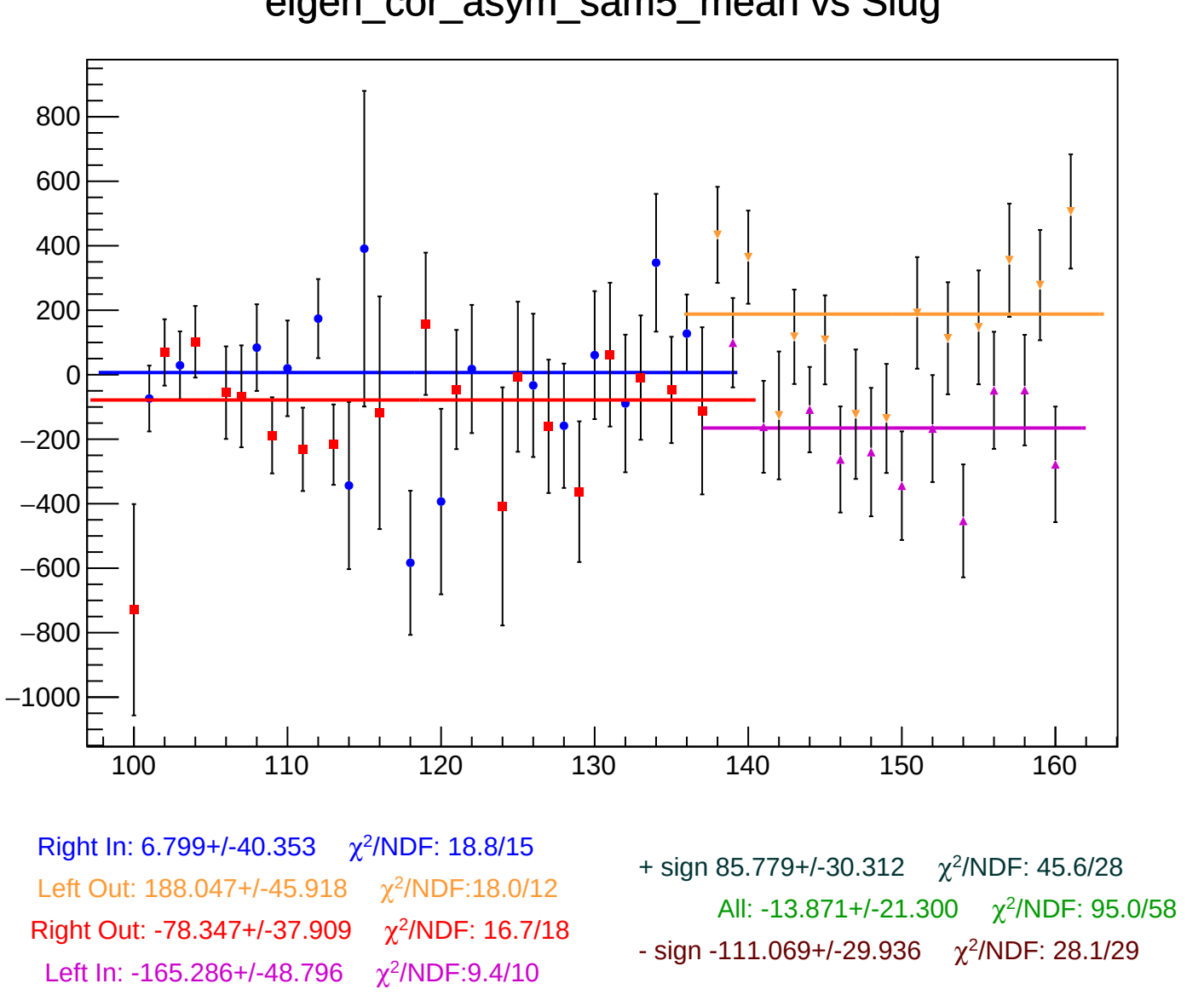
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

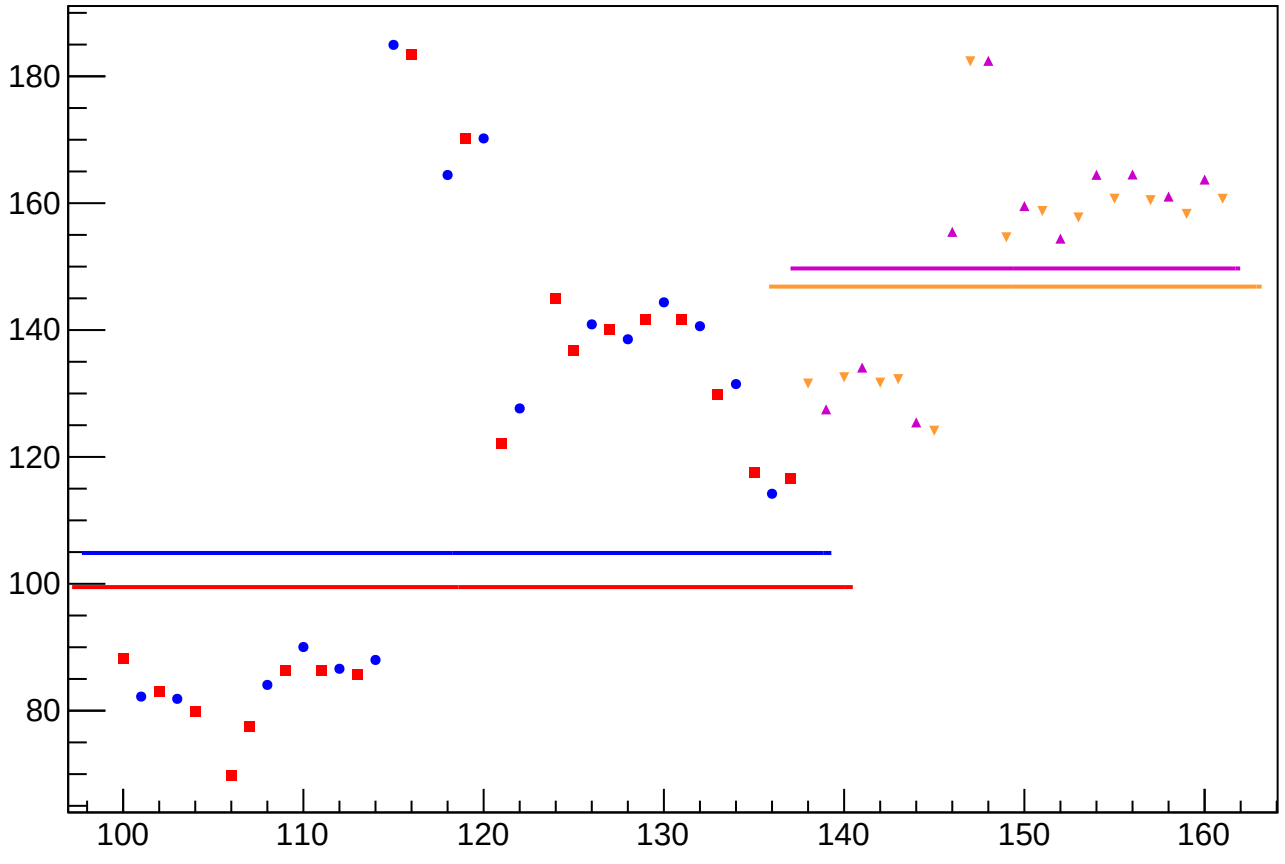
Left In: 933.057+/-0.216 χ^2/NDF:246052.6/10

+ sign 839.337+/-0.148 χ^2/NDF: 2580112.6/28

All: 815.573+/-0.103 χ^2/NDF: 5473746.2/58

- sign 793.234+/-0.143 χ^2/NDF: 2843283.9/29


eigen_cor_asym_sam5_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 188.047+/-45.918 χ²/NDF:18.0/12
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -165.286+/-48.796 χ²/NDF:9.4/10
+ sign 85.779+/-30.312 χ²/NDF: 45.6/28
All: -13.871+/-21.300 χ²/NDF: 95.0/58
- sign -111.069+/-29.936 χ²/NDF: 28.1/29



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 146.848+/-0.032 χ^2/NDF:255979.8/12

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

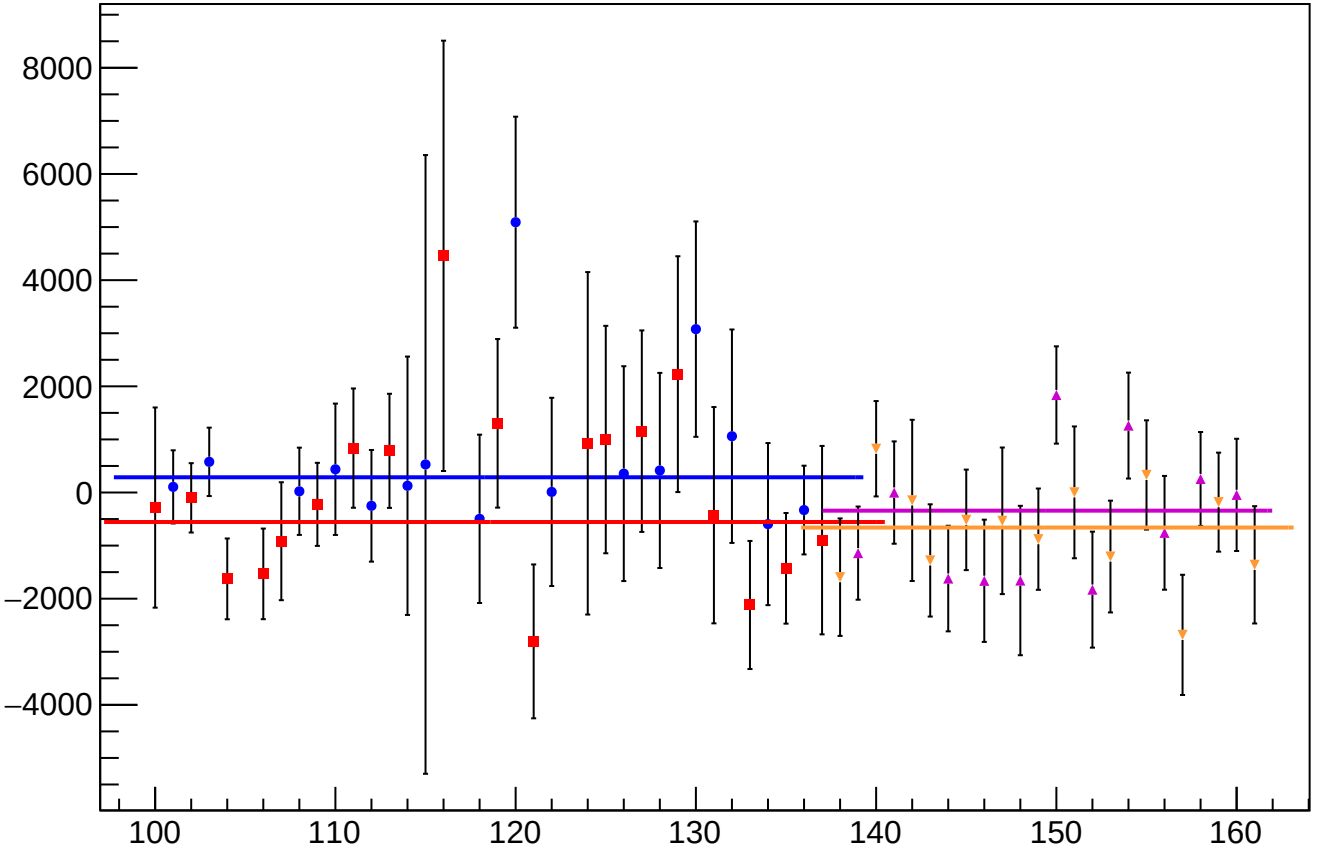
Left In: 149.709+/-0.035 χ^2/NDF:255834.4/10

+ sign 123.156+/-0.021 χ^2/NDF: 2130768.9/28

All: 120.742+/-0.015 χ^2/NDF: 4774260.7/58

- sign 118.388+/-0.021 χ^2/NDF: 2618433.0/29

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -659.846+/-296.591 χ^2/NDF:9.3/12

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

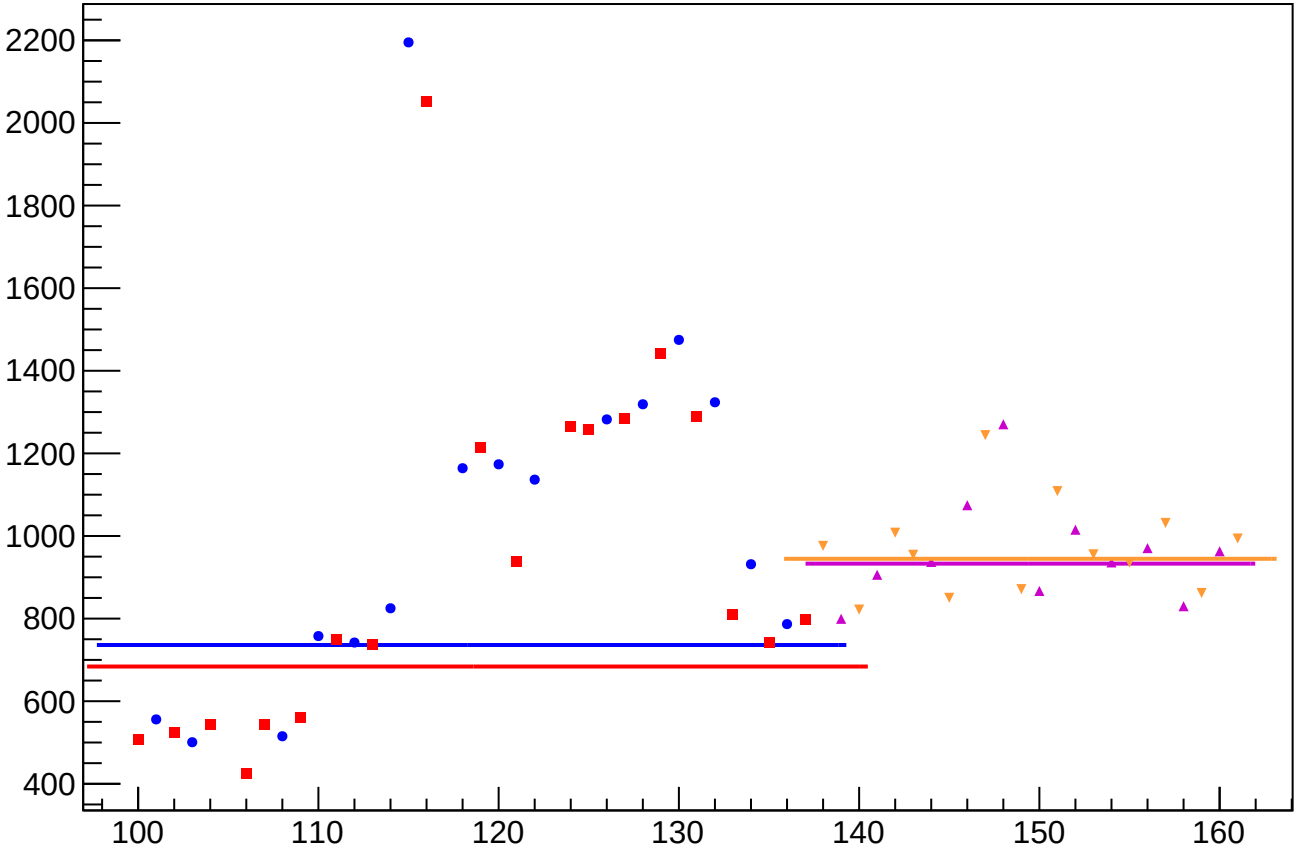
Left In: -341.912+/-305.393 χ^2/NDF:15.6/10

+ sign -181.463+/-208.610 χ^2/NDF: 24.2/28

All: -325.951+/-145.213 χ^2/NDF: 59.0/58

- sign -461.777+/-202.260 χ^2/NDF: 33.9/29

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 944.796+/-0.210 χ^2/NDF:235182.0/12

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

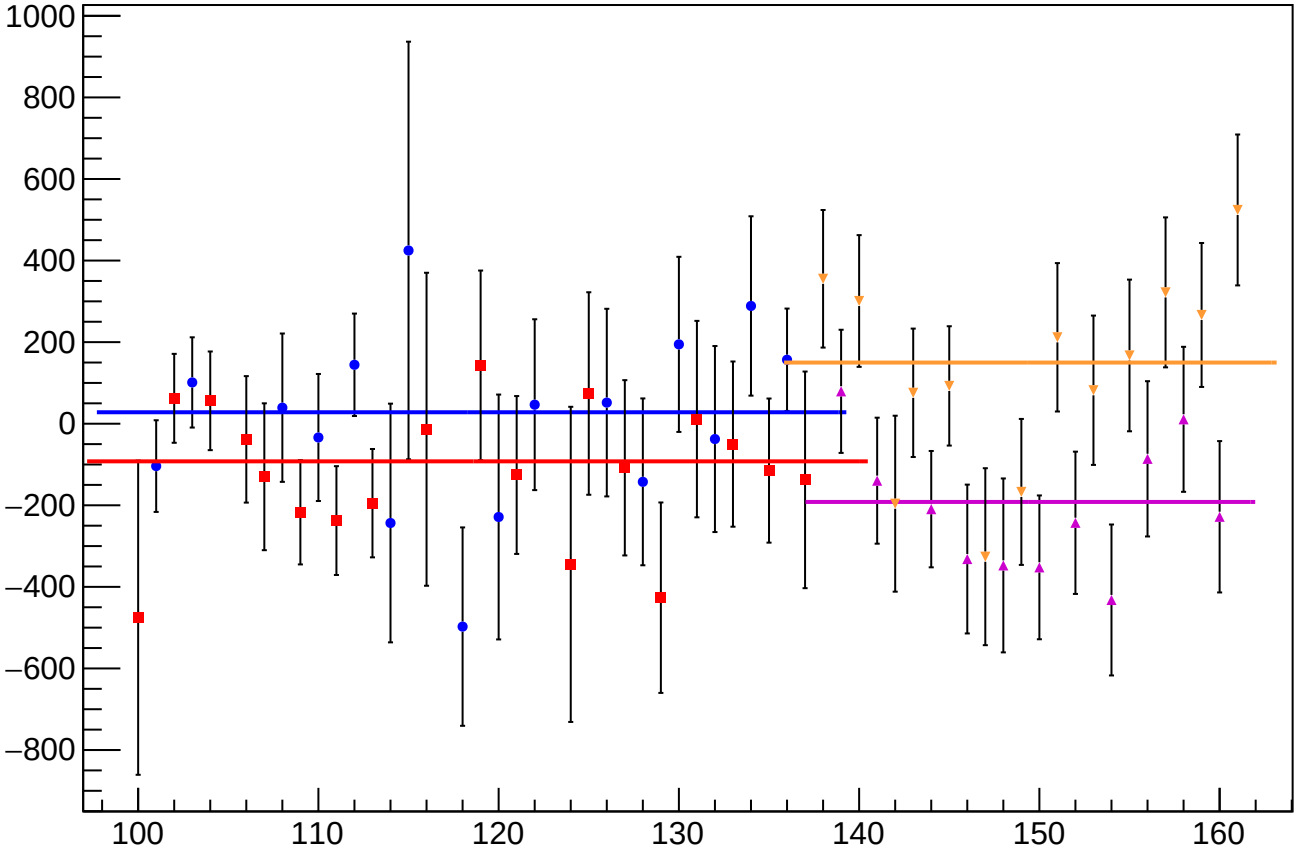
Left In: 933.057+/-0.216 χ^2/NDF:246052.6/10

+ sign 839.337+/-0.148 χ^2/NDF: 2580112.6/28

All: 815.573+/-0.103 χ^2/NDF: 5473746.2/58

- sign 793.234+/-0.143 χ^2/NDF: 2843283.9/29

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 149.954+/-49.121 χ^2/NDF:18.9/12

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

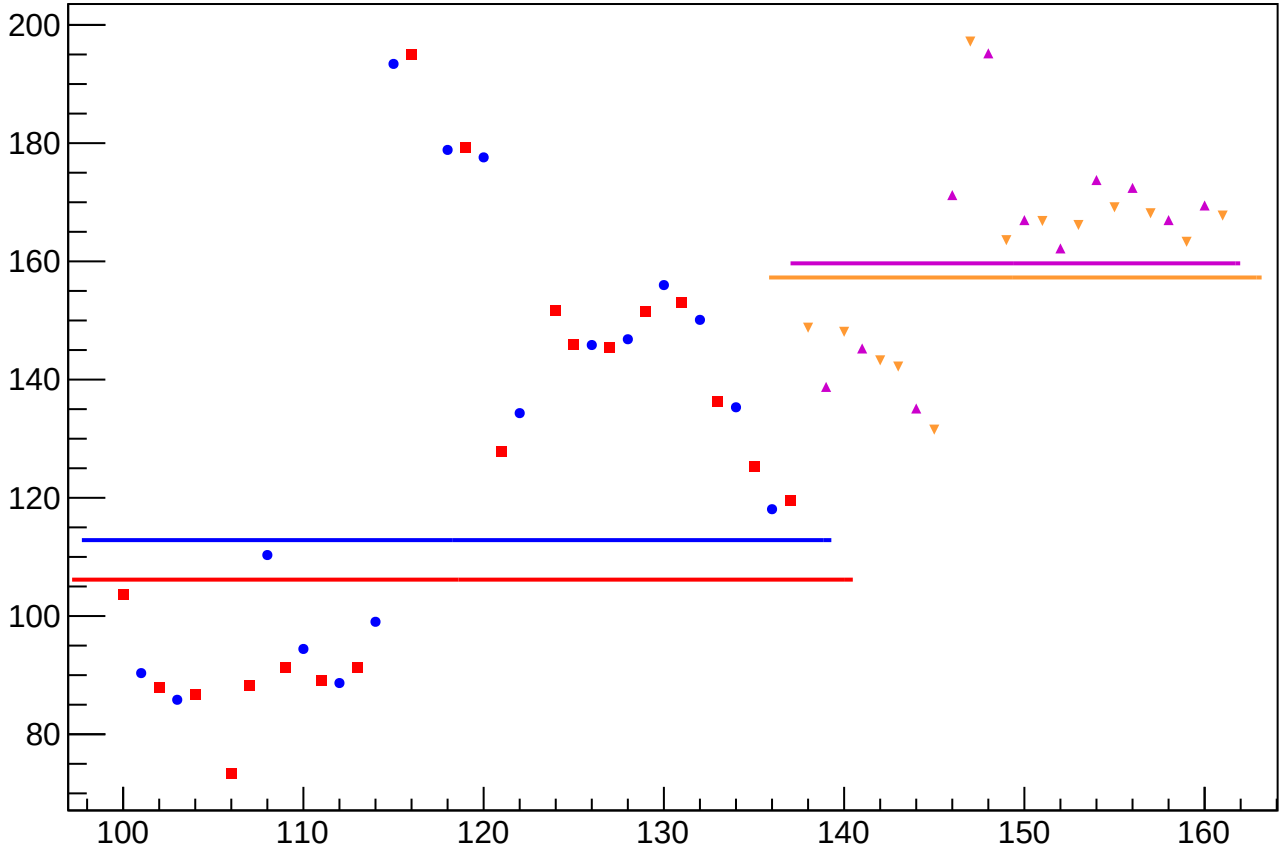
Left In: -191.787+/-52.020 χ^2/NDF:8.7/10

+ sign 81.572+/-32.540 χ^2/NDF: 35.9/28

All: -25.992+/-22.807 χ^2/NDF: 80.1/58

- sign -129.857+/-31.976 χ^2/NDF: 22.7/29

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 157.274+/-0.035 χ^2/NDF:204546.8/12

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

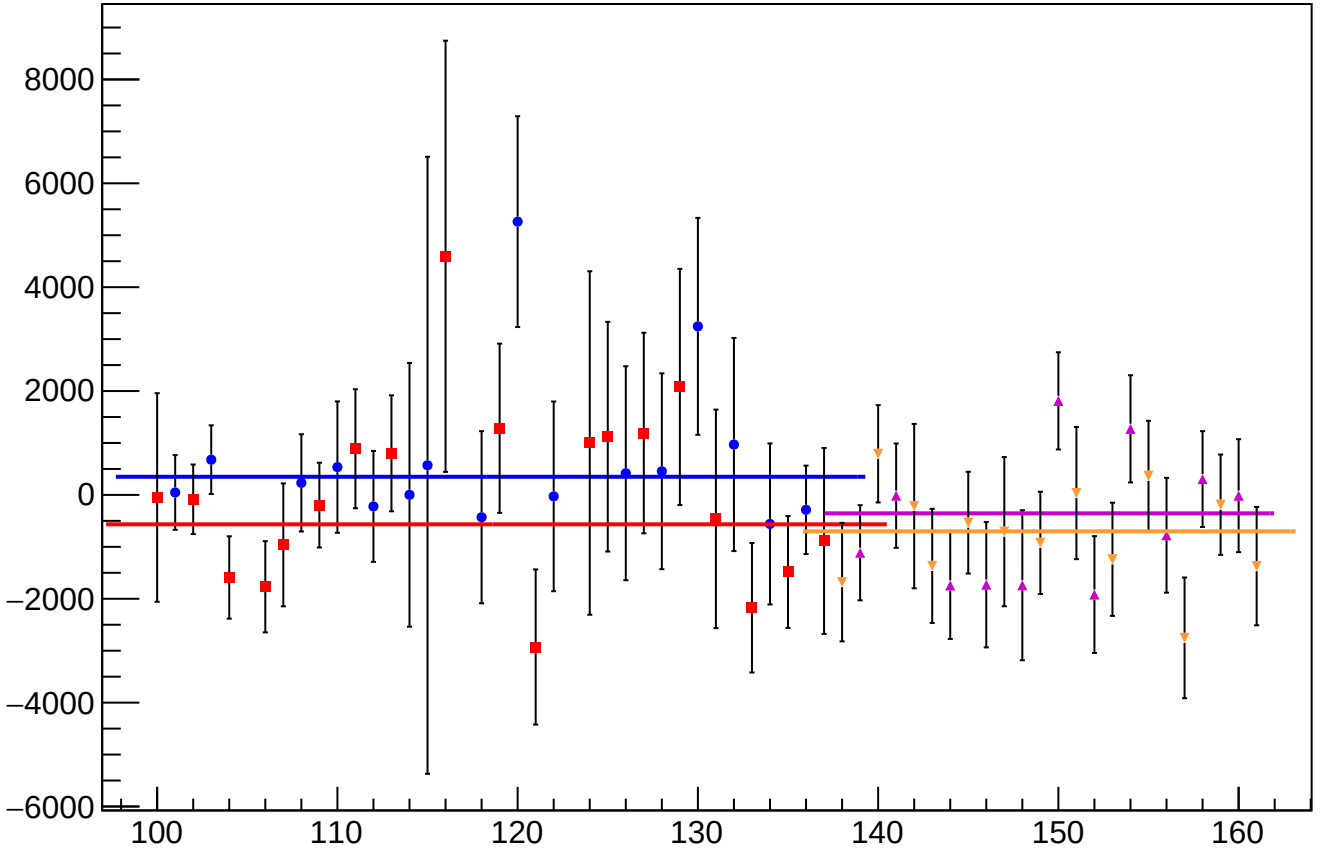
Left In: 159.665+/-0.037 χ^2/NDF:211971.7/10

+ sign 132.341+/-0.023 χ^2/NDF: 1995012.6/28

All: 129.306+/-0.016 χ^2/NDF: 4559786.1/58

- sign 126.375+/-0.023 χ^2/NDF: 2530576.7/29

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -700.949+/-306.780 χ^2/NDF:9.2/12

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

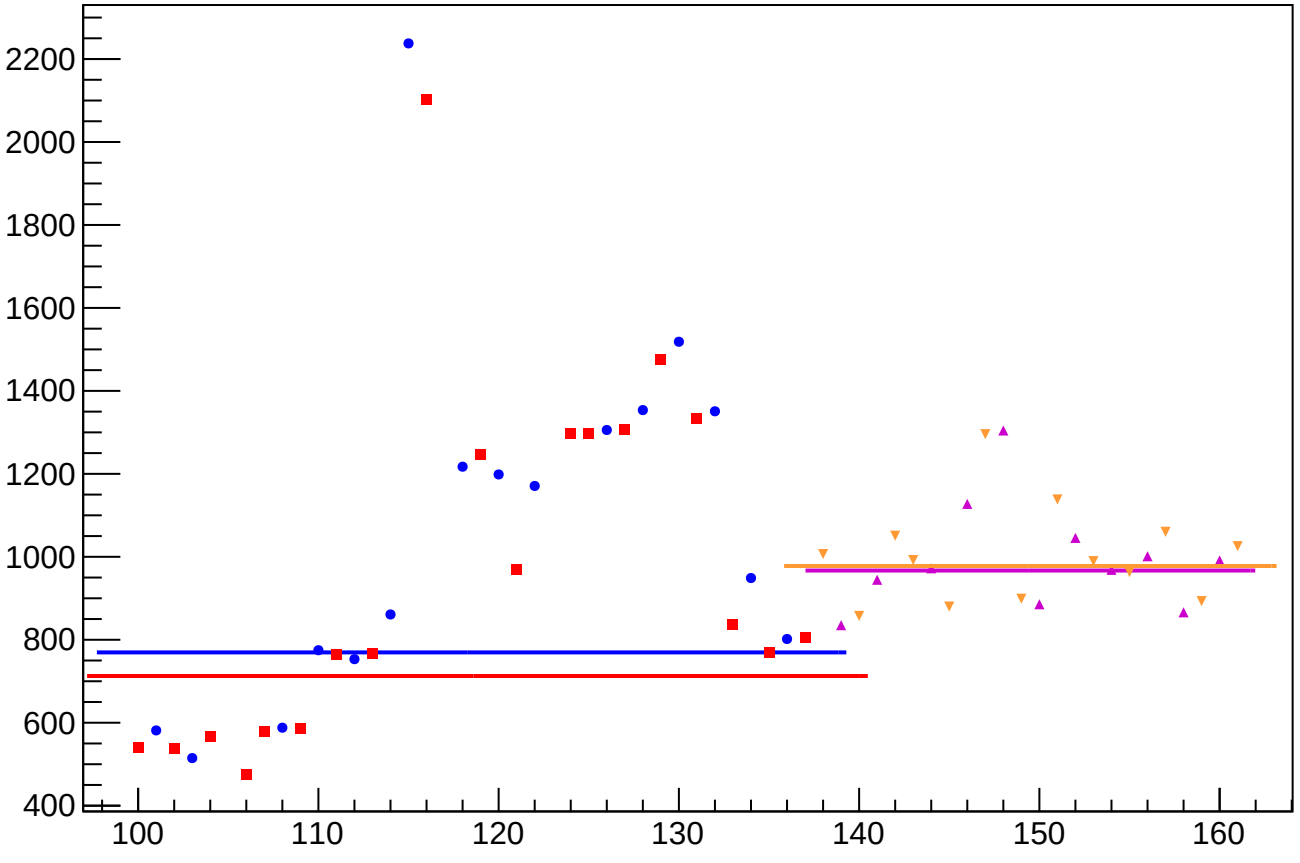
Left In: -354.809+/-316.295 χ^2/NDF:15.4/10

\+ sign -173.428+/-216.411 χ^2/NDF: 24.9/28

All: -328.466+/-150.458 χ^2/NDF: 59.7/58

\- sign -473.517+/-209.324 χ^2/NDF: 33.9/29

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 977.812+/-0.217 χ^2/NDF:230975.3/12

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

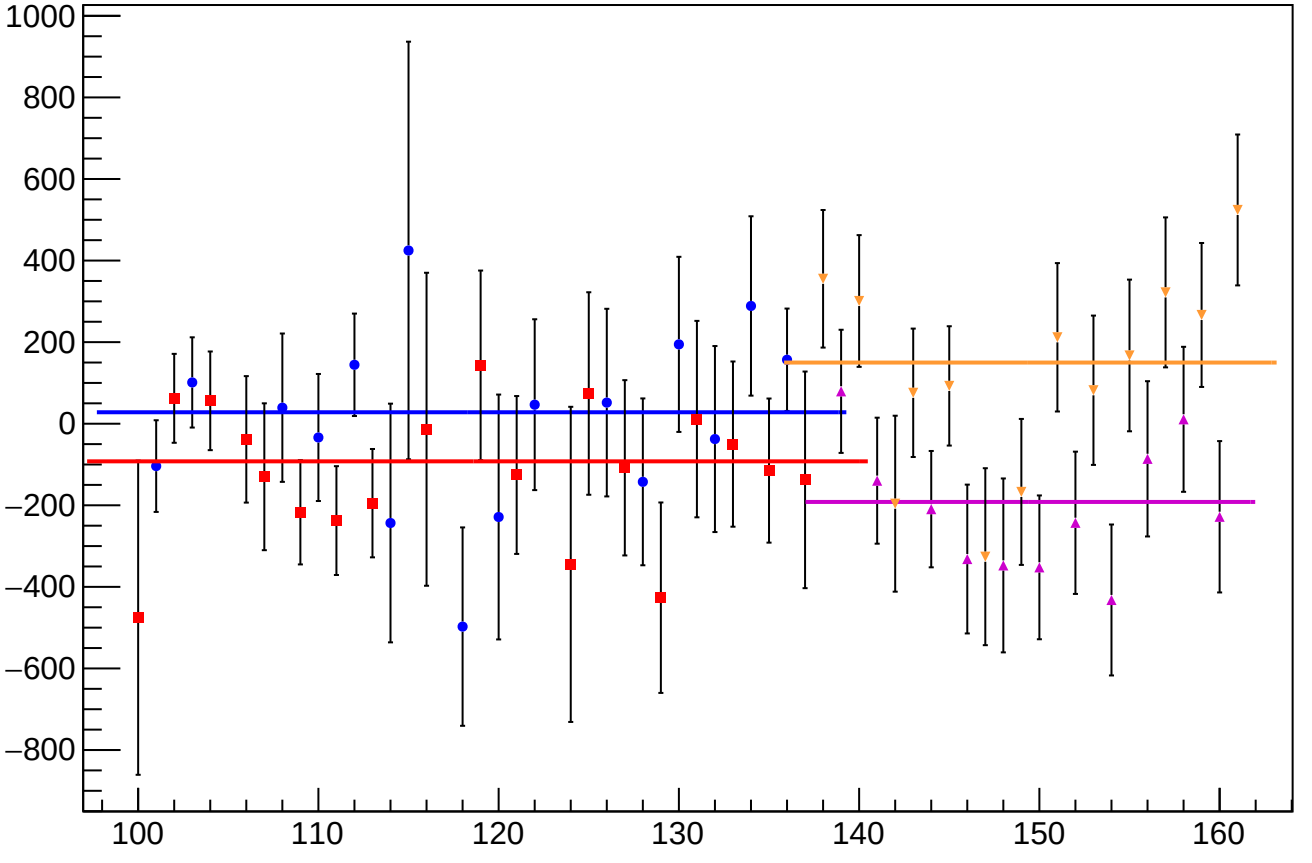
Left In: 966.917+/-0.224 χ^2/NDF:238764.6/10

\+ sign 873.191+/-0.153 χ^2/NDF: 2433922.0/28

All: 847.778+/-0.106 χ^2/NDF: 5219818.0/58

\- sign 824.002+/-0.148 χ^2/NDF: 2732514.4/29

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 149.955+/-49.121 χ^2/NDF:18.9/12

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

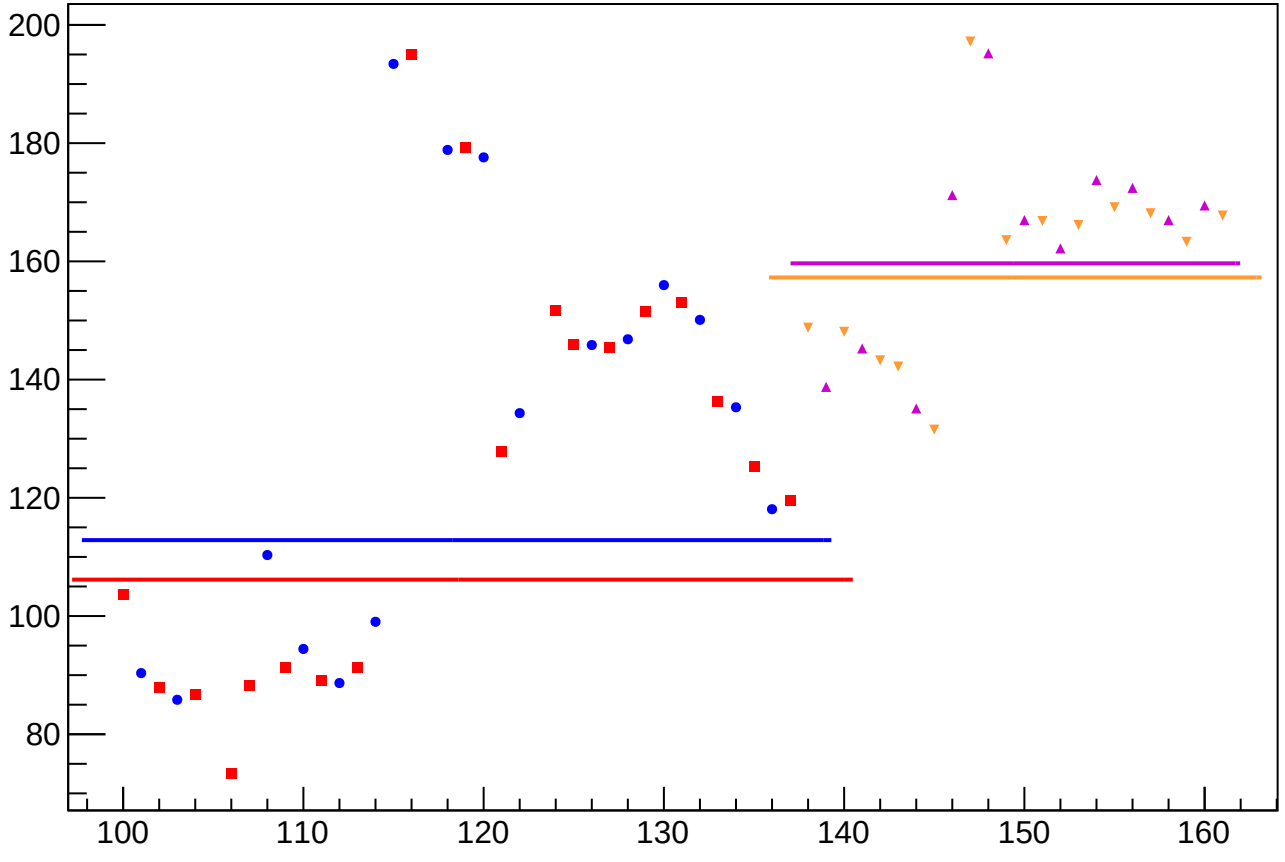
Left In: -191.788+/-52.020 χ^2/NDF:8.7/10

+ sign 81.571+/-32.540 χ^2/NDF: 35.9/28

All: -25.992+/-22.807 χ^2/NDF: 80.1/58

- sign -129.857+/-31.976 χ^2/NDF: 22.7/29

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 157.274+/-0.035 χ^2/NDF:204547.5/12

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

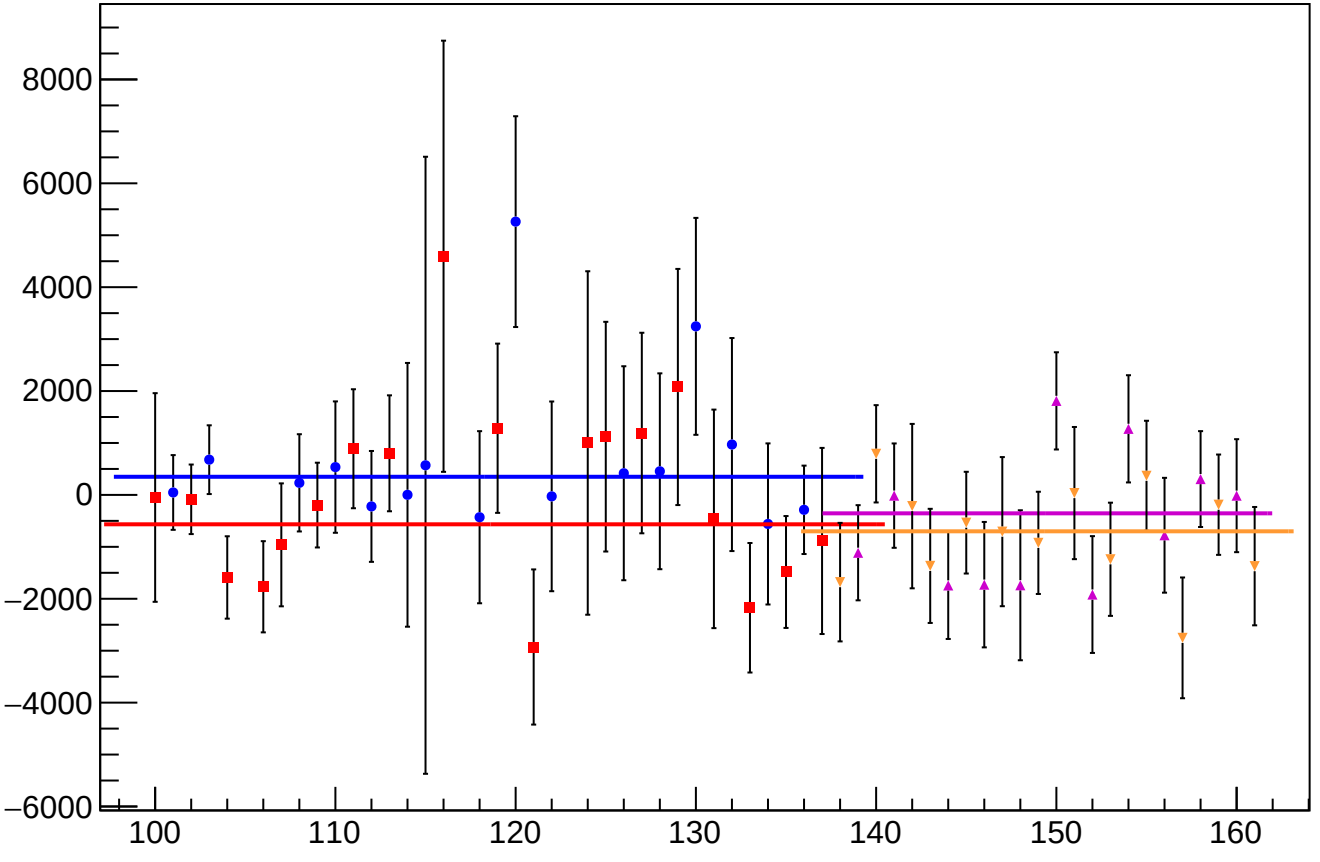
Left In: 159.666+/-0.037 χ^2/NDF:211969.2/10

+ sign 132.341+/-0.023 χ^2/NDF: 1995028.7/28

All: 129.306+/-0.016 χ^2/NDF: 4559814.5/58

- sign 126.375+/-0.023 χ^2/NDF: 2530589.7/29

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -700.950+/-306.780 χ^2/NDF:9.2/12

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

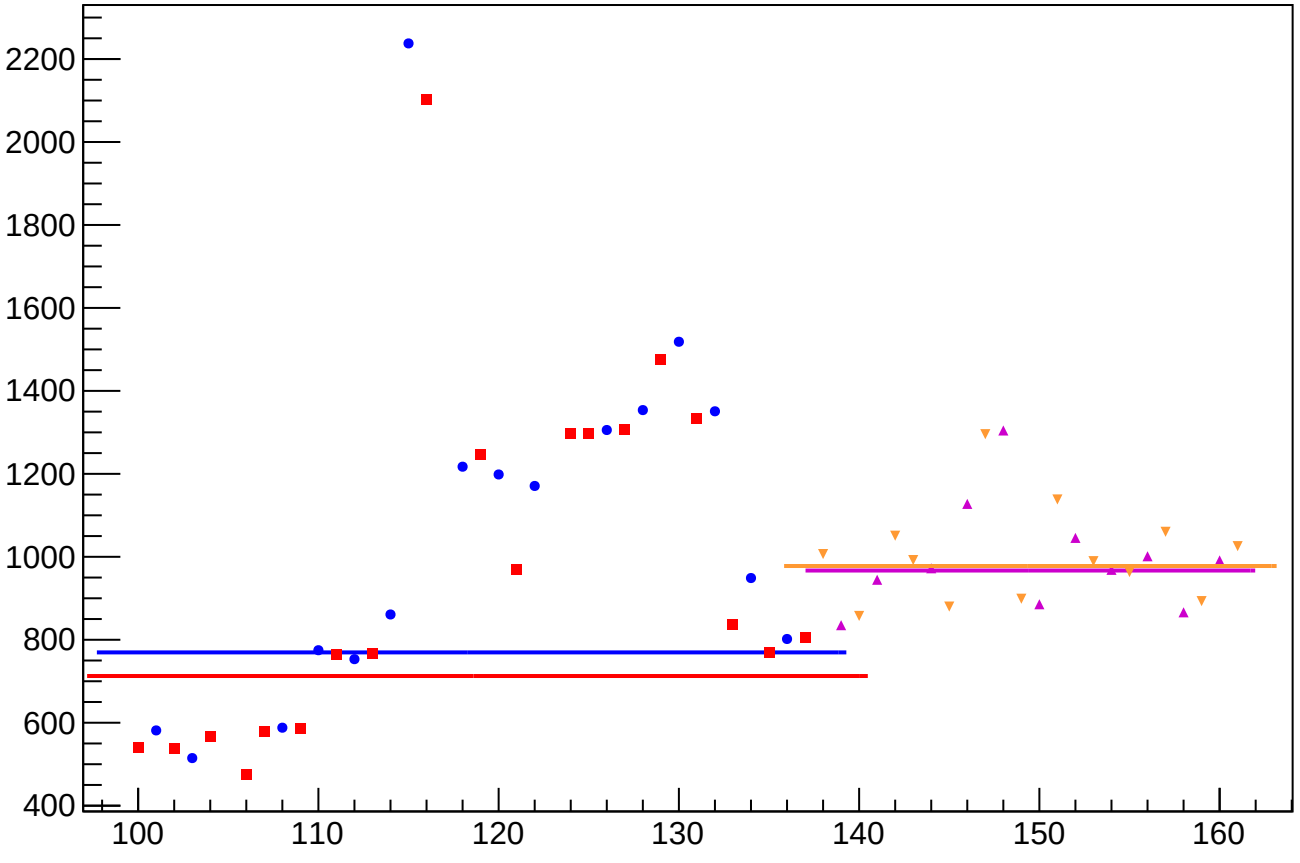
Left In: -354.810+/-316.295 χ^2/NDF:15.4/10

\+ sign -173.427+/-216.411 χ^2/NDF: 24.9/28

All: -328.466+/-150.458 χ^2/NDF: 59.7/58

\- sign -473.518+/-209.324 χ^2/NDF: 33.9/29

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 977.813+/-0.217 χ^2/NDF:230976.1/12

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

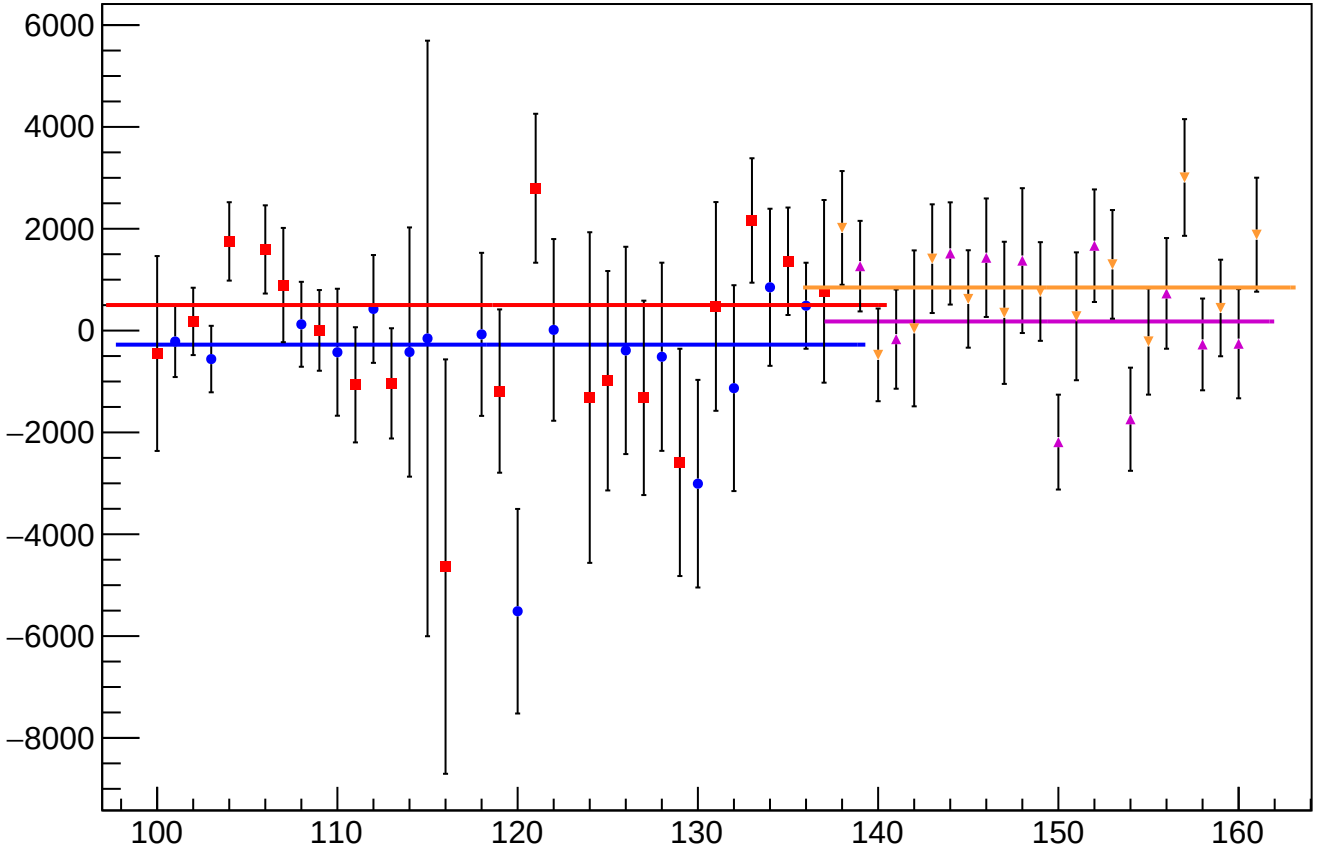
Left In: 966.918+/-0.224 χ^2/NDF:238765.8/10

+ sign 873.191+/-0.153 χ^2/NDF: 2433932.0/28

All: 847.778+/-0.106 χ^2/NDF: 5219838.2/58

- sign 824.002+/-0.148 χ^2/NDF: 2732524.3/29

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 846.578+/-300.363 χ^2/NDF:10.0/12

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

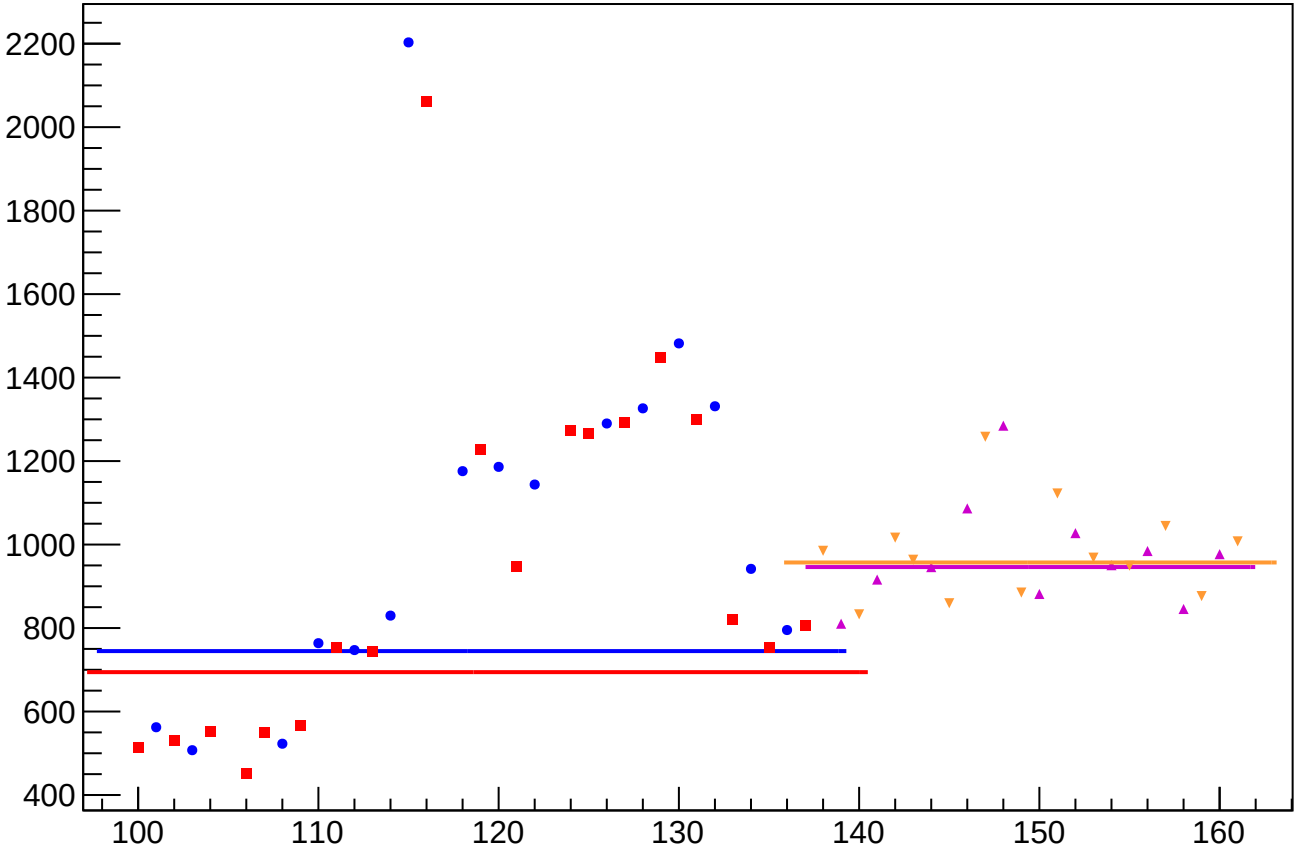
Left In: 179.001+/-309.567 χ^2/NDF:17.8/10

+ sign 278.318+/-211.085 χ^2/NDF: 28.1/28

All: 320.760+/-146.969 χ^2/NDF: 67.1/58

- sign 360.692+/-204.750 χ^2/NDF: 38.9/29

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 957.073+/-0.212 χ^2/NDF:231820.2/12

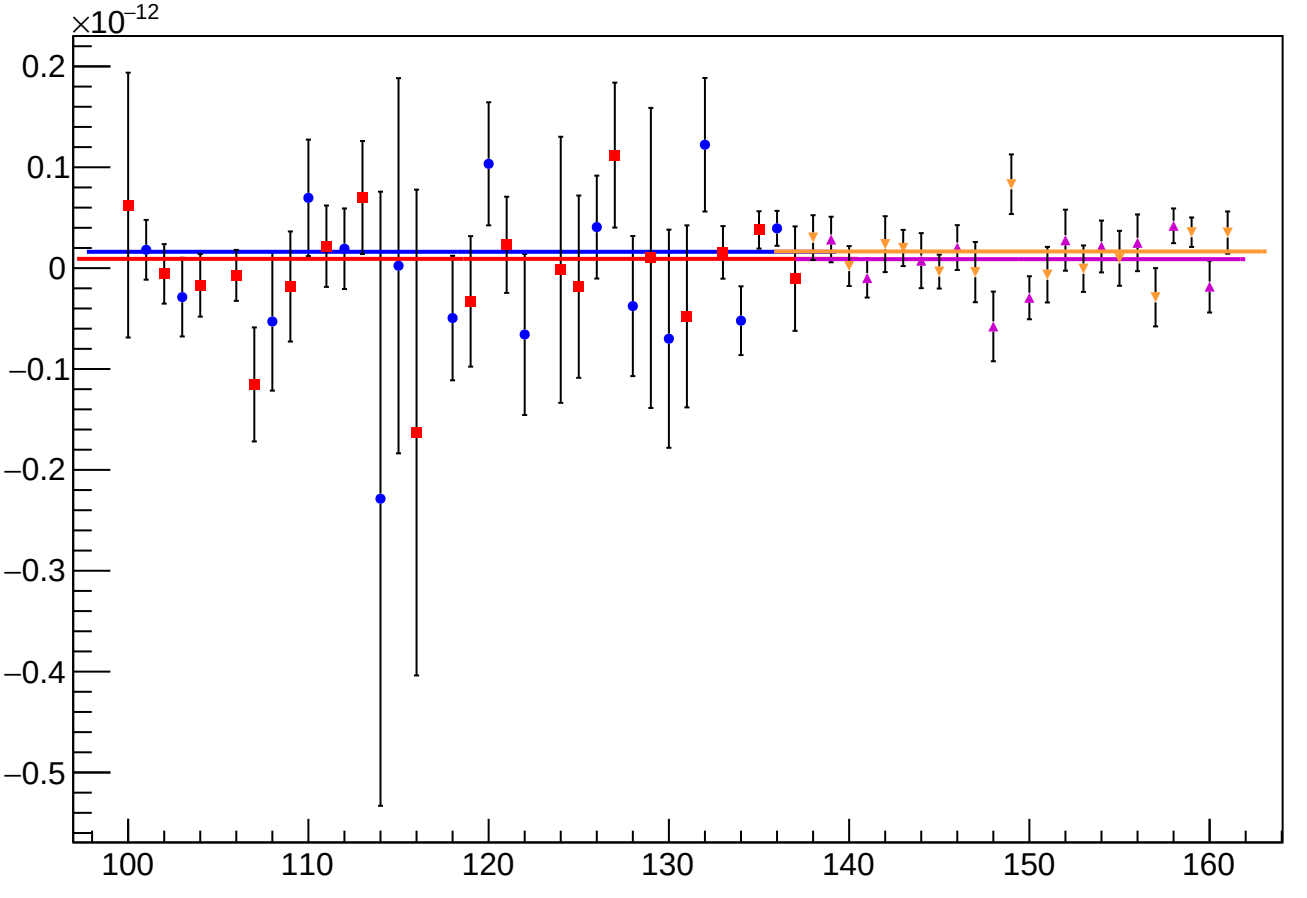
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 946.116+/-0.219 χ^2/NDF:240476.0/10

+ sign 849.629+/-0.149 χ^2/NDF: 2560025.6/28

All: 826.370+/-0.104 χ^2/NDF: 5395544.2/58

- sign 804.487+/-0.145 χ^2/NDF: 2788390.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/12

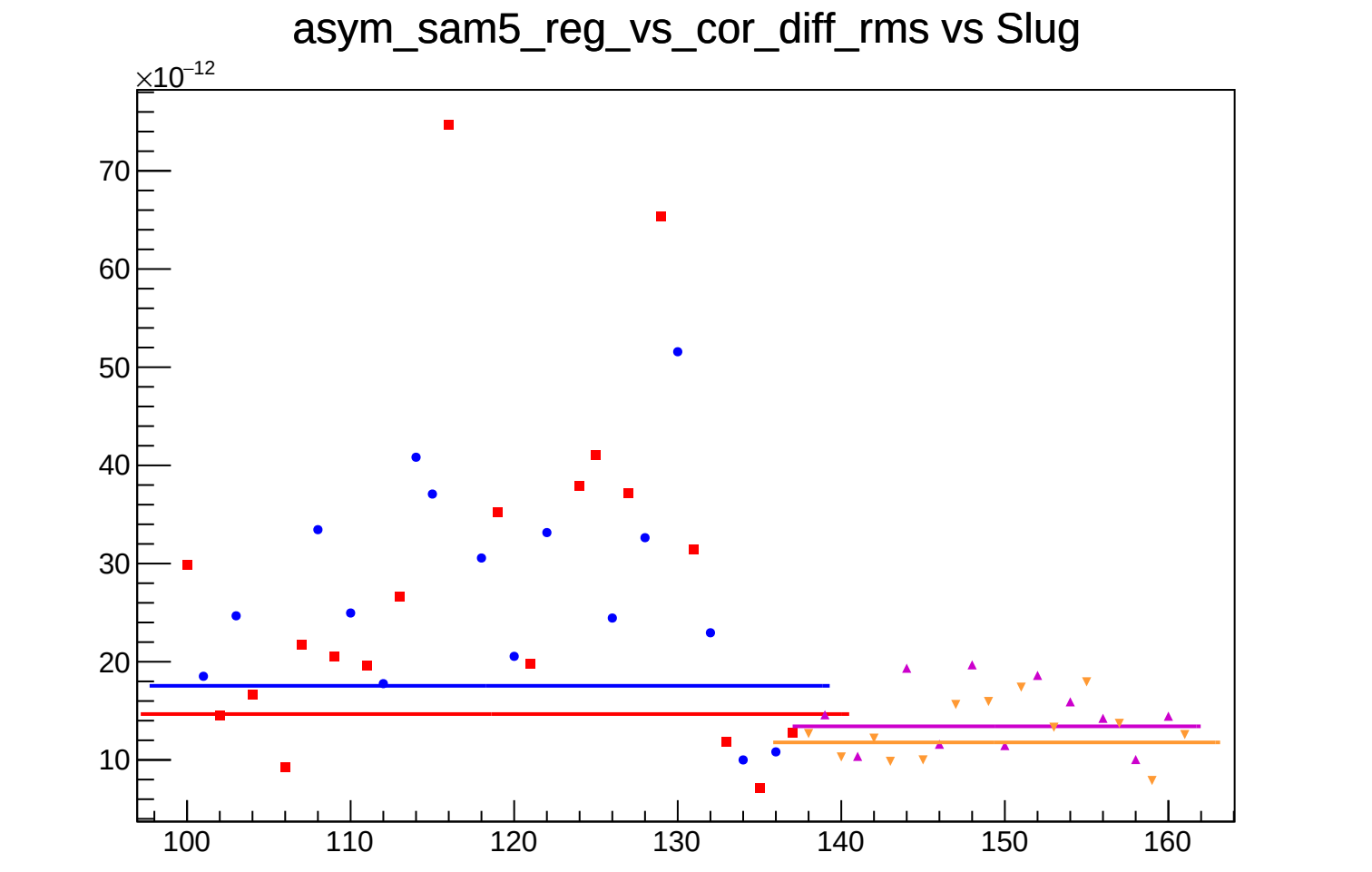
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:14.7/10

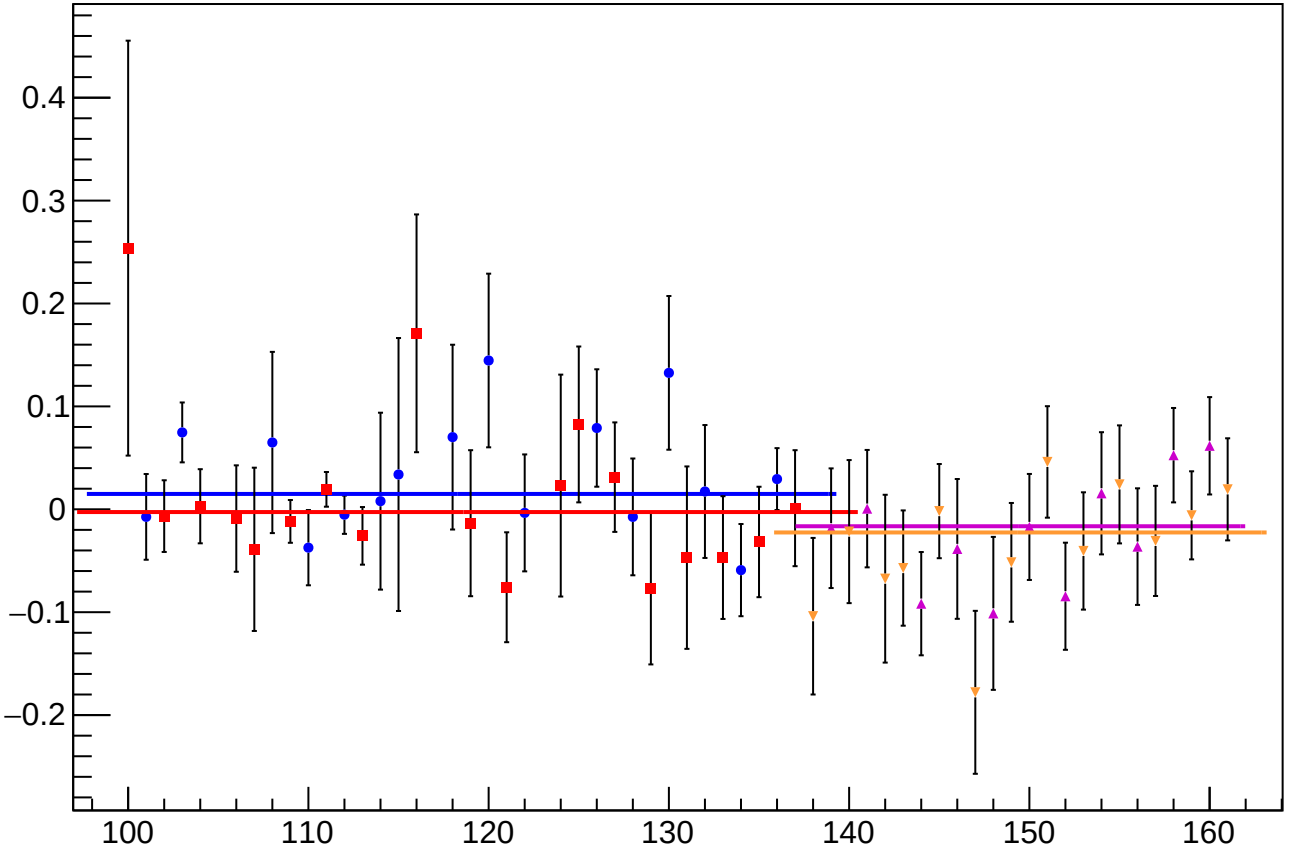
+ sign 0.000+/-0.000 χ^2/NDF: 32.2/28

All: 0.000+/-0.000 χ^2/NDF: 61.9/58

- sign 0.000+/-0.000 χ^2/NDF: 28.8/29


asym_sam5_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:481374.4/12
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:405232.0/10
+ sign 0.000+/-0.000 χ²/NDF: 2079451.4/28
All: 0.000+/-0.000 χ²/NDF: 4265314.4/58
- sign 0.000+/-0.000 χ²/NDF: 2169403.7/29

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.023+/-0.016 χ^2/NDF:9.4/12

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

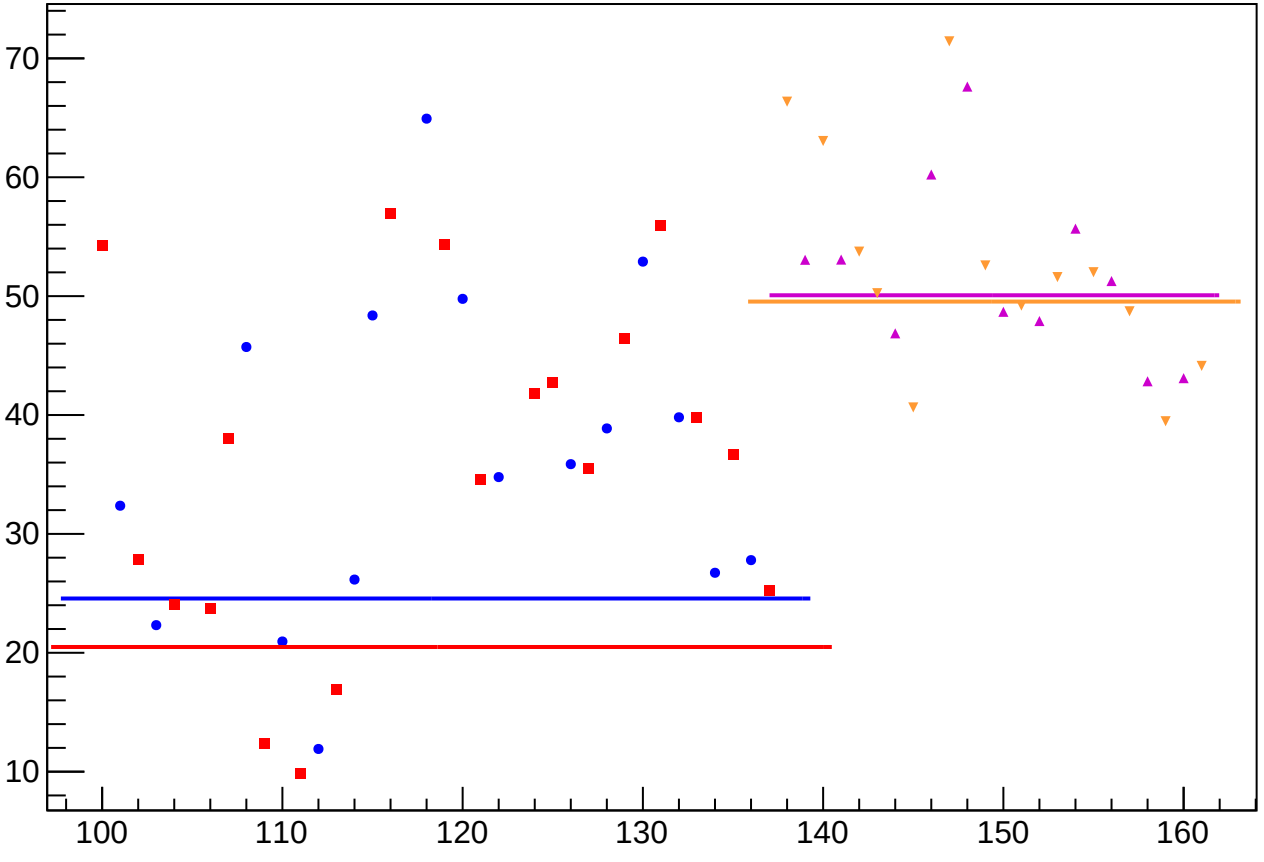
Left In: -0.016+/-0.017 χ^2/NDF:10.9/10

+ sign 0.003+/-0.009 χ^2/NDF: 31.1/28

All: -0.002+/-0.006 χ^2/NDF: 55.5/58

- sign -0.006+/-0.008 χ^2/NDF: 23.8/29

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.543+/-0.011 χ^2/NDF:554167.3/12

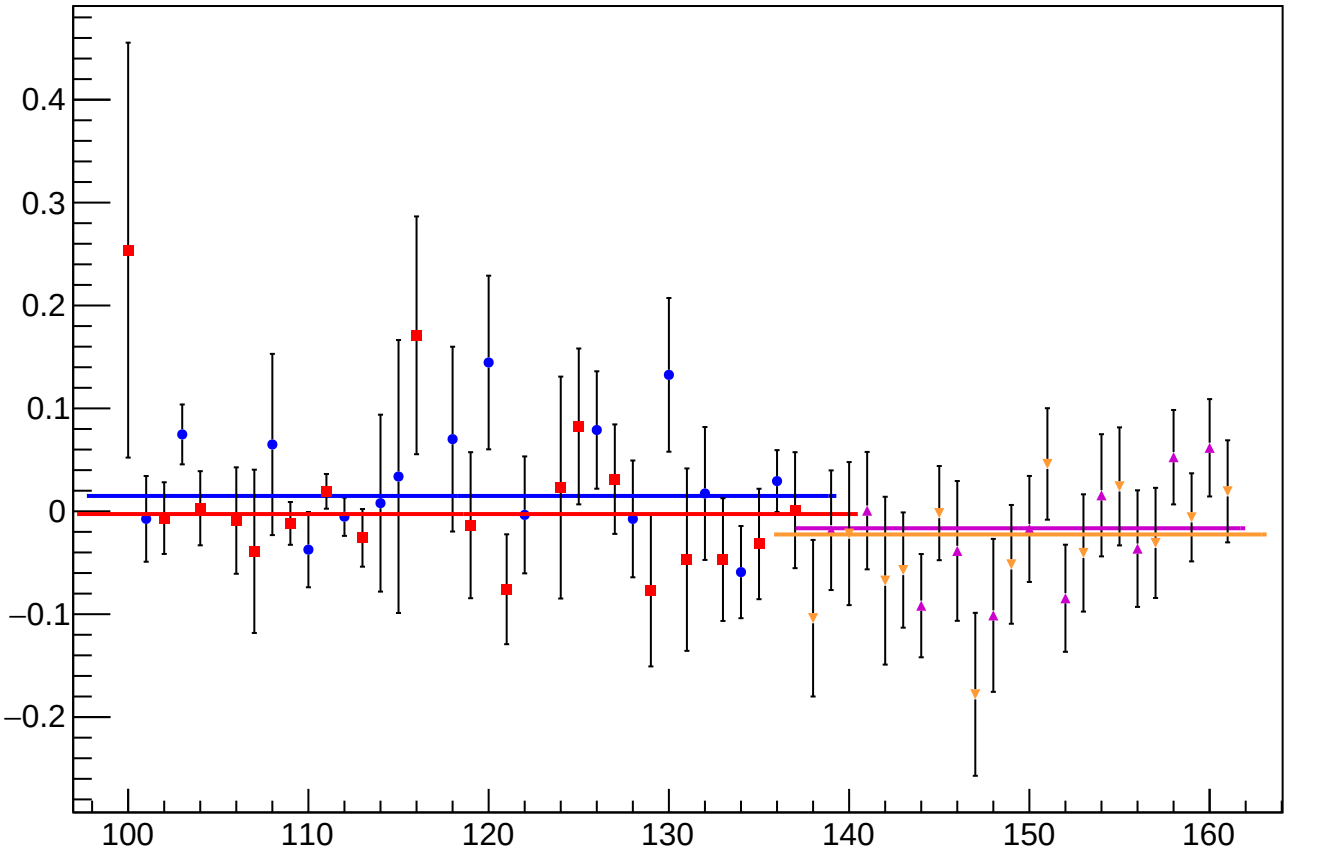
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.073+/-0.012 χ^2/NDF:292003.6/10

+ sign 32.351+/-0.006 χ^2/NDF: 6507911.0/28

All: 29.725+/-0.004 χ^2/NDF: 15598717.7/58

- sign 27.516+/-0.006 χ^2/NDF: 8761764.1/29



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.023+/-0.016 χ^2/NDF:9.4/12

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

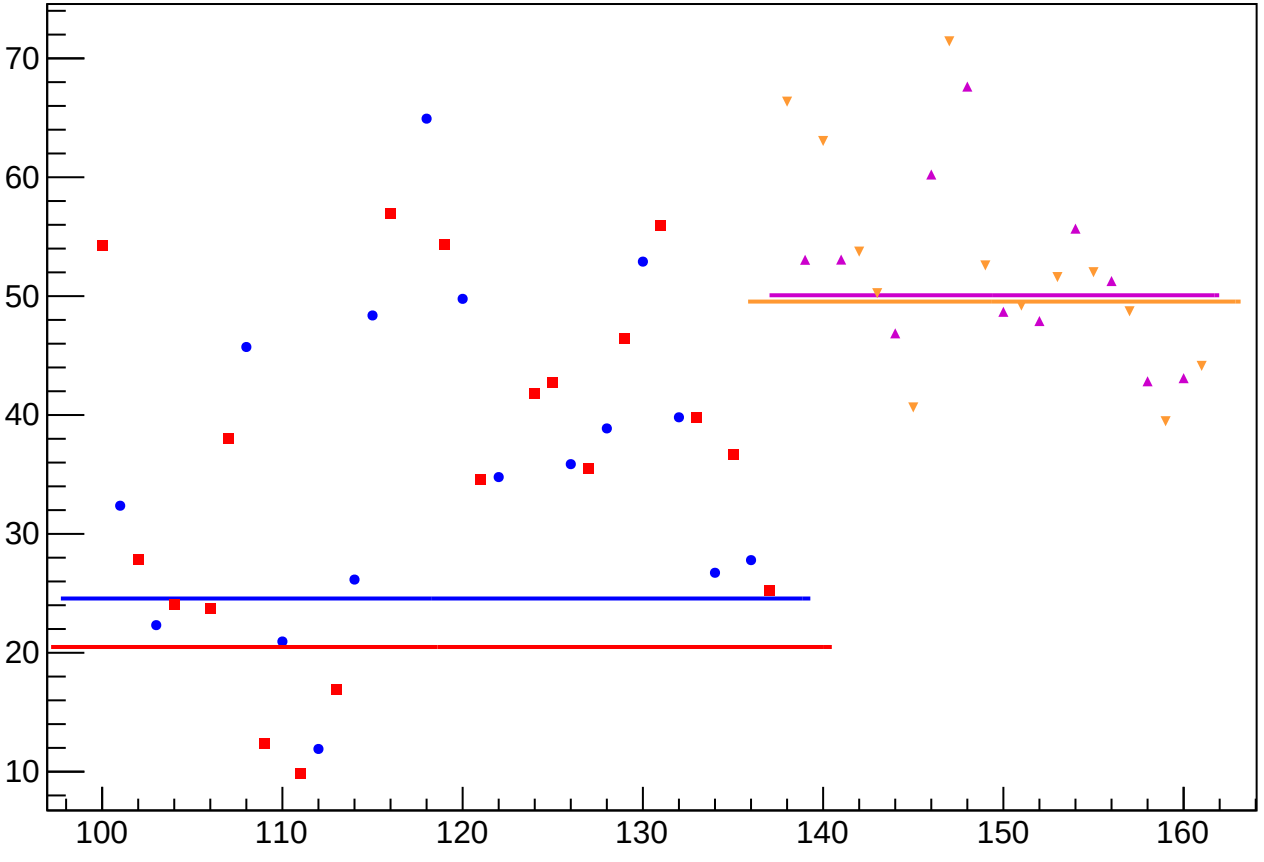
Left In: -0.016+/-0.017 χ^2/NDF:10.9/10

+ sign 0.003+/-0.009 χ^2/NDF: 31.1/28

All: -0.002+/-0.006 χ^2/NDF: 55.5/58

- sign -0.006+/-0.008 χ^2/NDF: 23.8/29

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.543+/-0.011 χ^2/NDF:554167.3/12

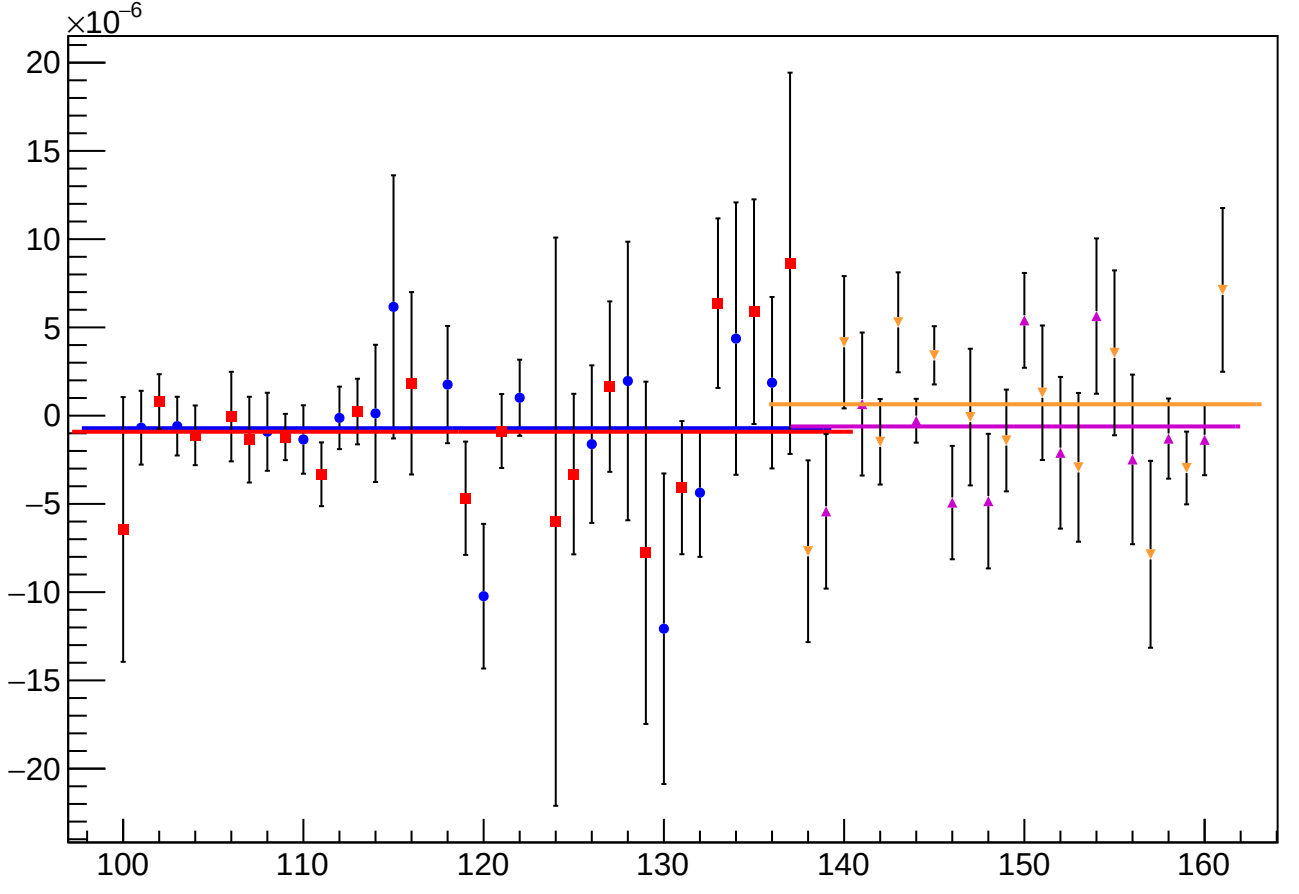
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.073+/-0.012 χ^2/NDF:292003.6/10

\+ sign 32.351+/-0.006 χ^2/NDF: 6507911.0/28

All: 29.725+/-0.004 χ^2/NDF: 15598717.7/58

\- sign 27.516+/-0.006 χ^2/NDF: 8761764.1/29



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/12

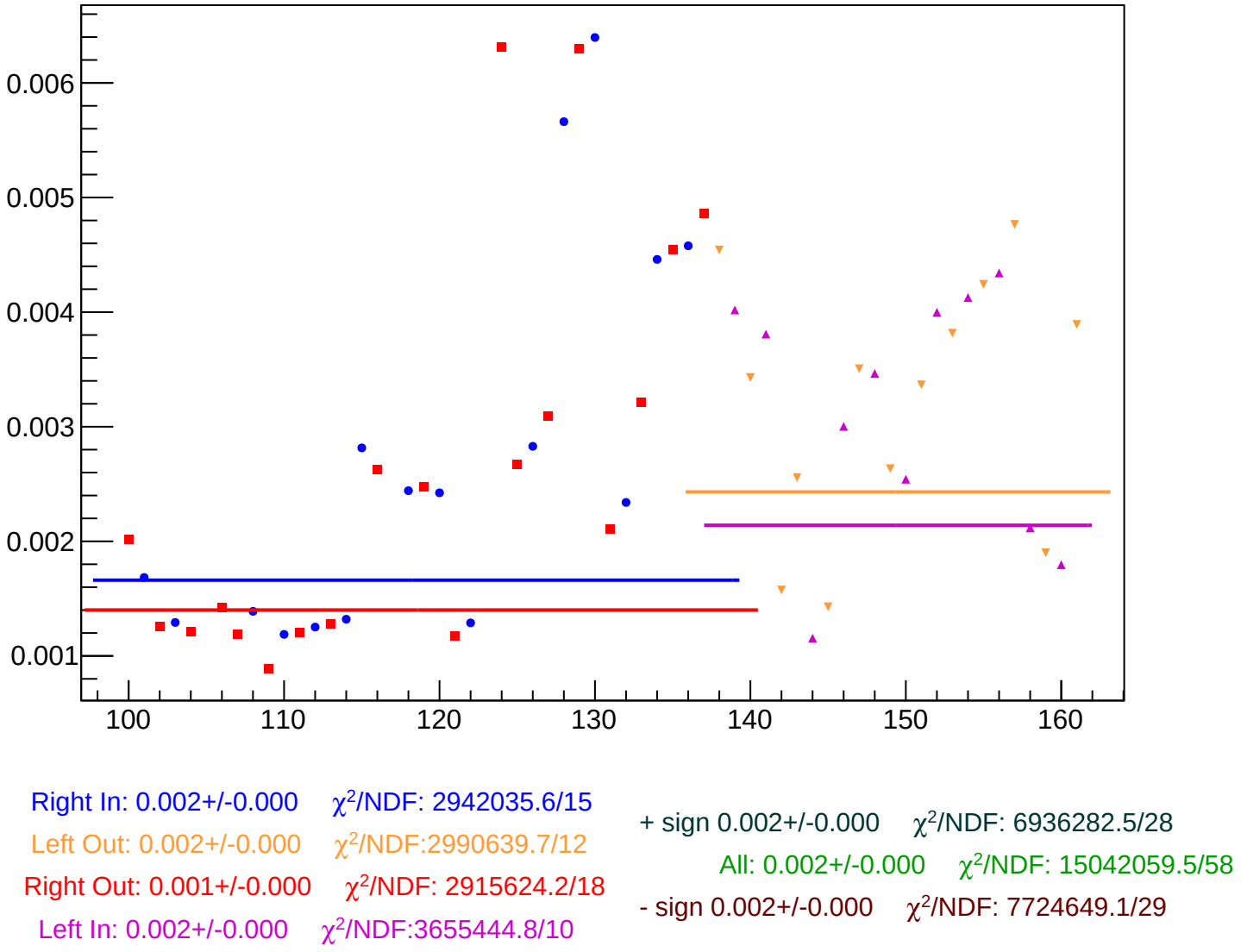
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

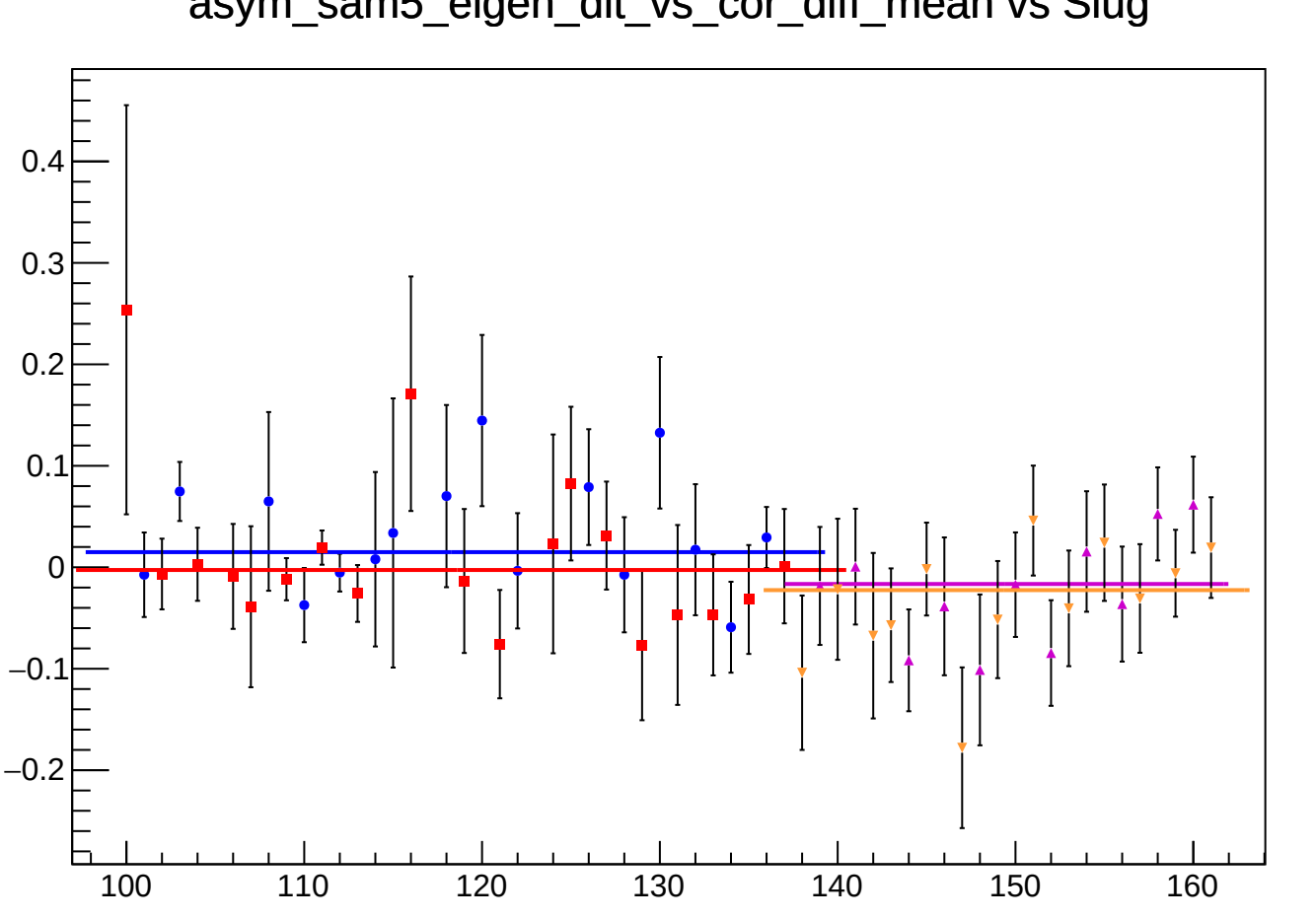
Left In: -0.000+/-0.000 χ^2/NDF:11.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 31.9/28

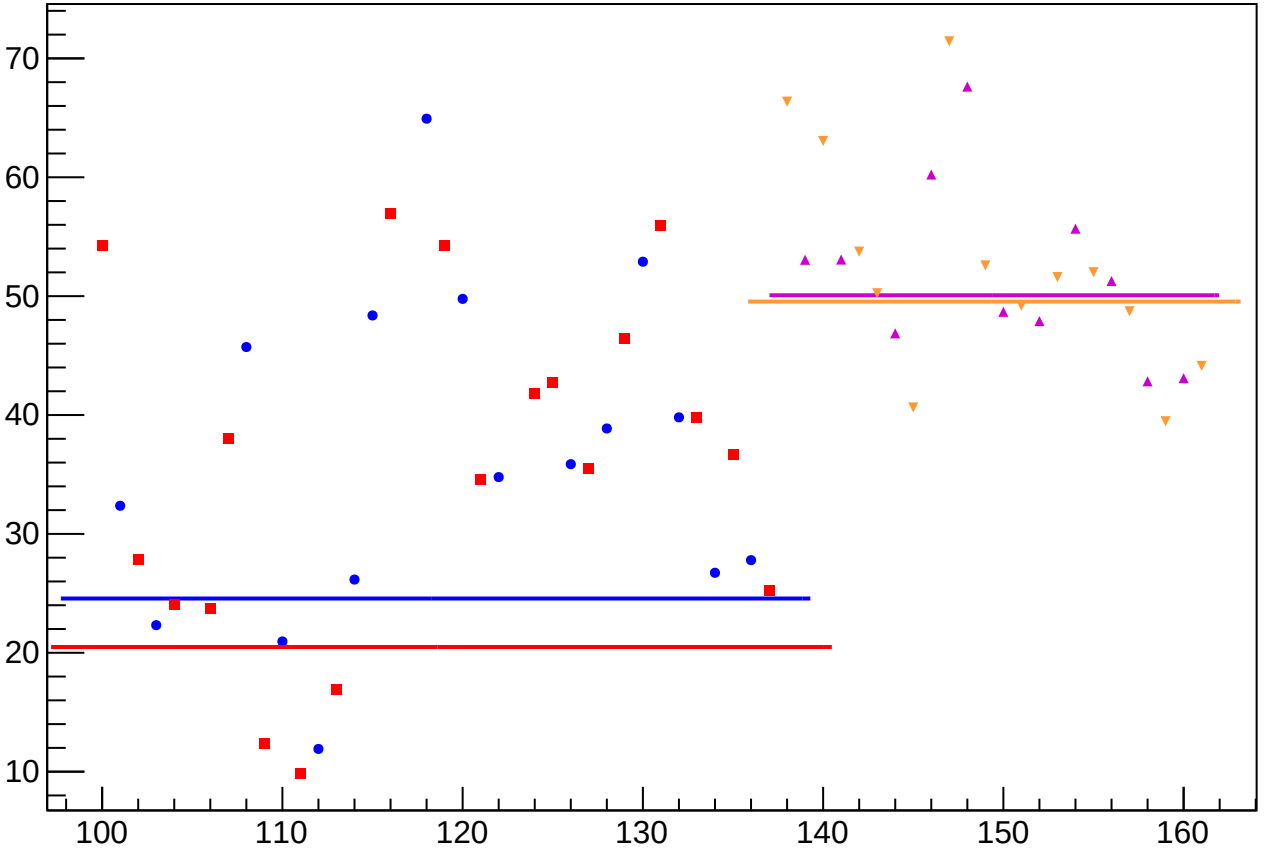
All: -0.000+/-0.000 χ^2/NDF: 56.6/58

- sign -0.000+/-0.000 χ^2/NDF: 23.9/29


asym_sam5_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
Right In: 0.002+/-0.000 χ²/NDF: 2942035.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2990639.7/12
Right Out: 0.001+/-0.000 χ²/NDF: 2915624.2/18
Left In: 0.002+/-0.000 χ²/NDF:3655444.8/10
+ sign 0.002+/-0.000 χ²/NDF: 6936282.5/28
All: 0.002+/-0.000 χ²/NDF: 15042059.5/58
- sign 0.002+/-0.000 χ²/NDF: 7724649.1/29


asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.023+/-0.016 χ²/NDF:9.4/12
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.016+/-0.017 χ²/NDF:10.9/10
+ sign 0.003+/-0.009 χ²/NDF: 31.1/28
All: -0.002+/-0.006 χ²/NDF: 55.5/58
- sign -0.006+/-0.008 χ²/NDF: 23.8/29

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.543+/-0.011 χ^2/NDF:554279.7/12

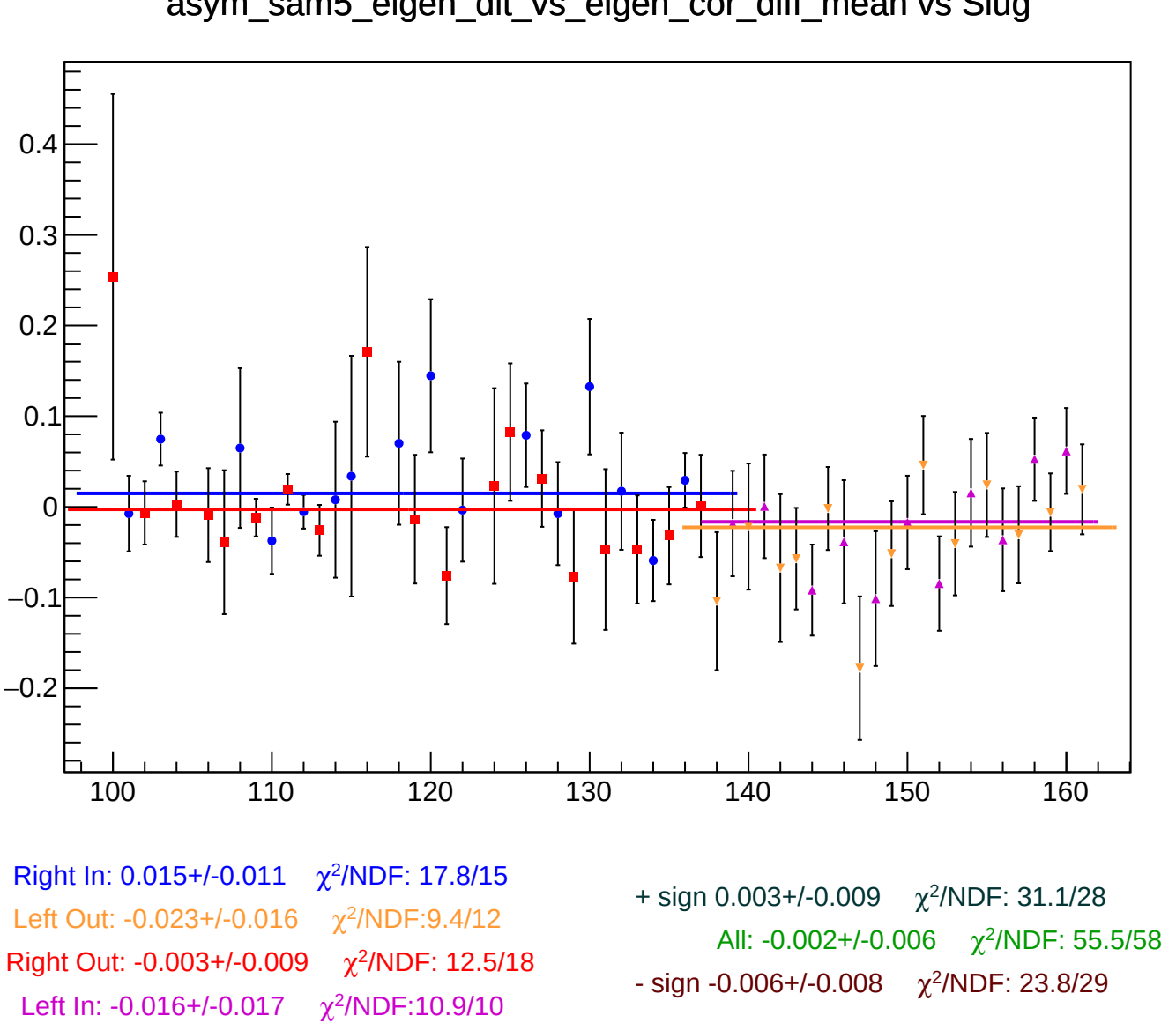
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.074+/-0.012 χ^2/NDF:292083.3/10

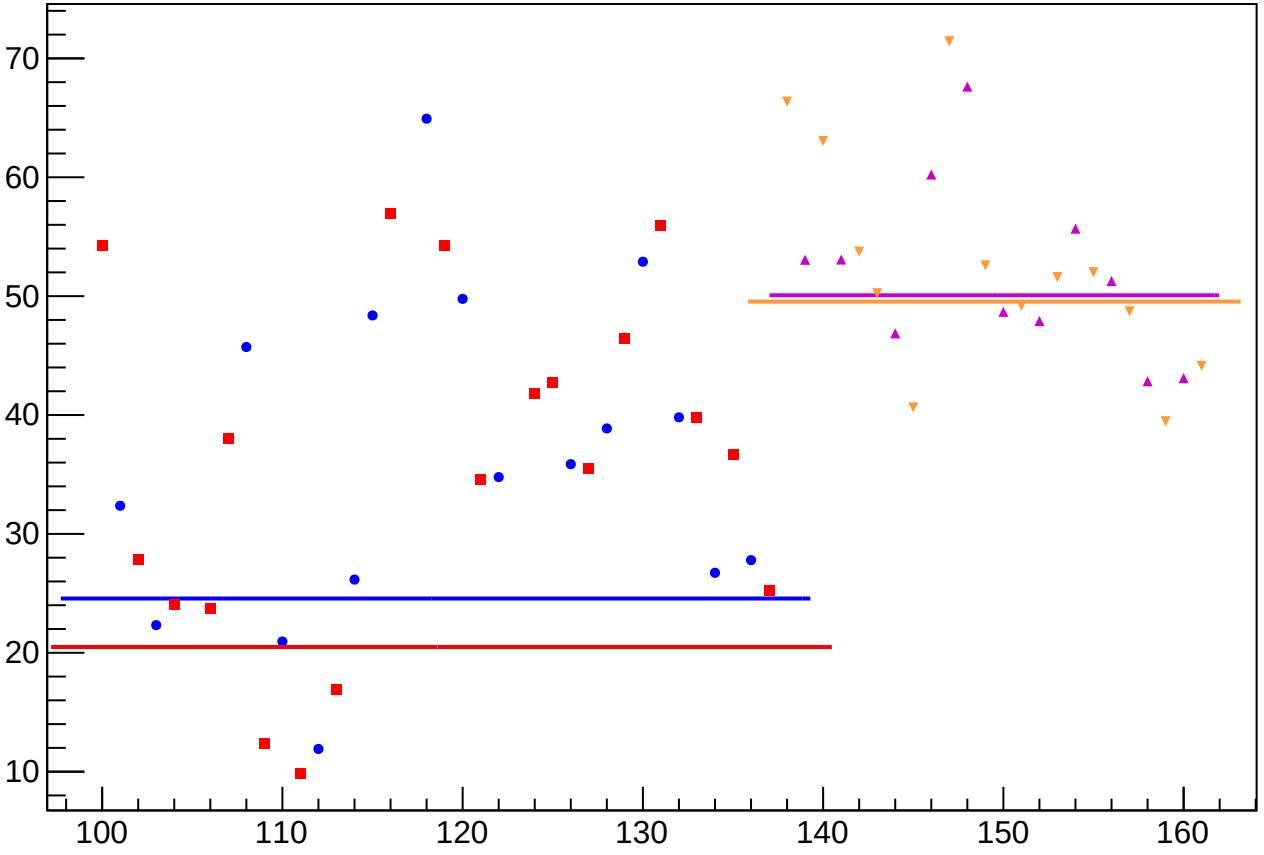
+ sign 32.350+/-0.006 χ^2/NDF: 6508116.3/28

All: 29.724+/-0.004 χ^2/NDF: 15599250.3/58

- sign 27.516+/-0.006 χ^2/NDF: 8762072.3/29


asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.023+/-0.016 χ²/NDF:9.4/12
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.016+/-0.017 χ²/NDF:10.9/10
+ sign 0.003+/-0.009 χ²/NDF: 31.1/28
All: -0.002+/-0.006 χ²/NDF: 55.5/58
- sign -0.006+/-0.008 χ²/NDF: 23.8/29

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.543+/-0.011 χ^2/NDF:554279.7/12

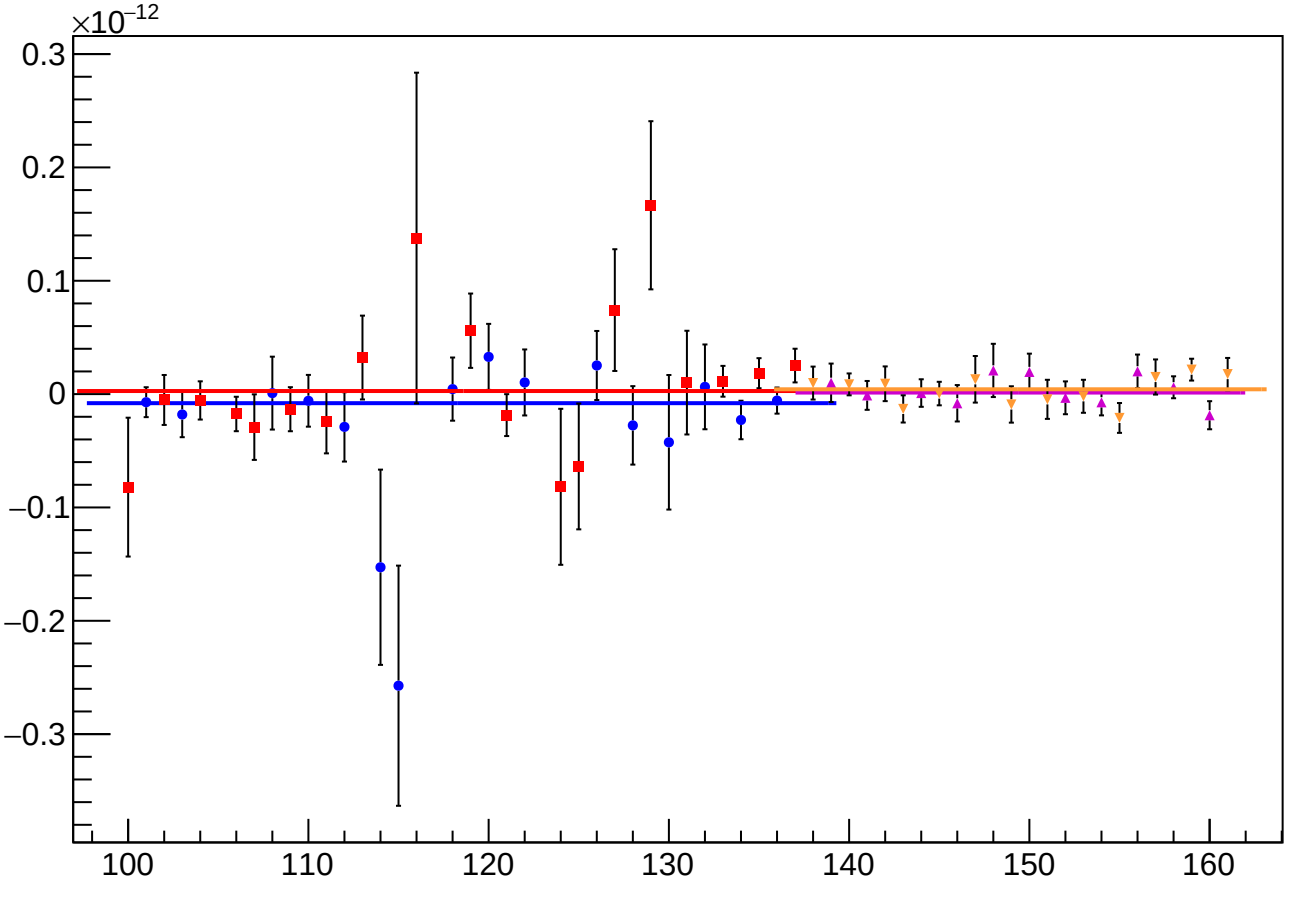
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.074+/-0.012 χ^2/NDF:292083.3/10

\+ sign 32.350+/-0.006 χ^2/NDF: 6508116.3/28

All: 29.724+/-0.004 χ^2/NDF: 15599250.3/58

\- sign 27.516+/-0.006 χ^2/NDF: 8762072.3/29



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

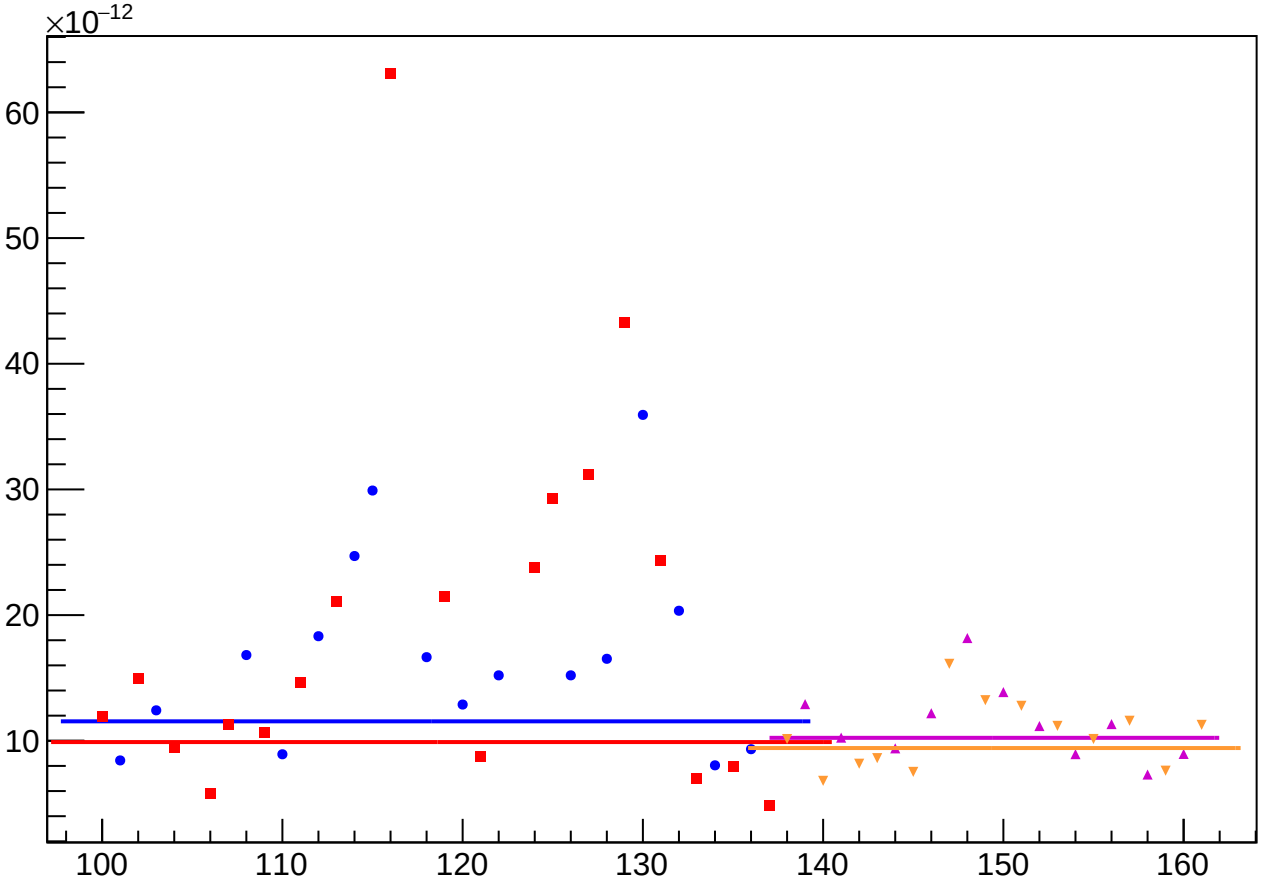
Left In: 0.000+/-0.000 χ^2/NDF:7.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 30.0/28

All: 0.000+/-0.000 χ^2/NDF: 63.9/58

- sign 0.000+/-0.000 χ^2/NDF: 33.9/29

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:819140.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

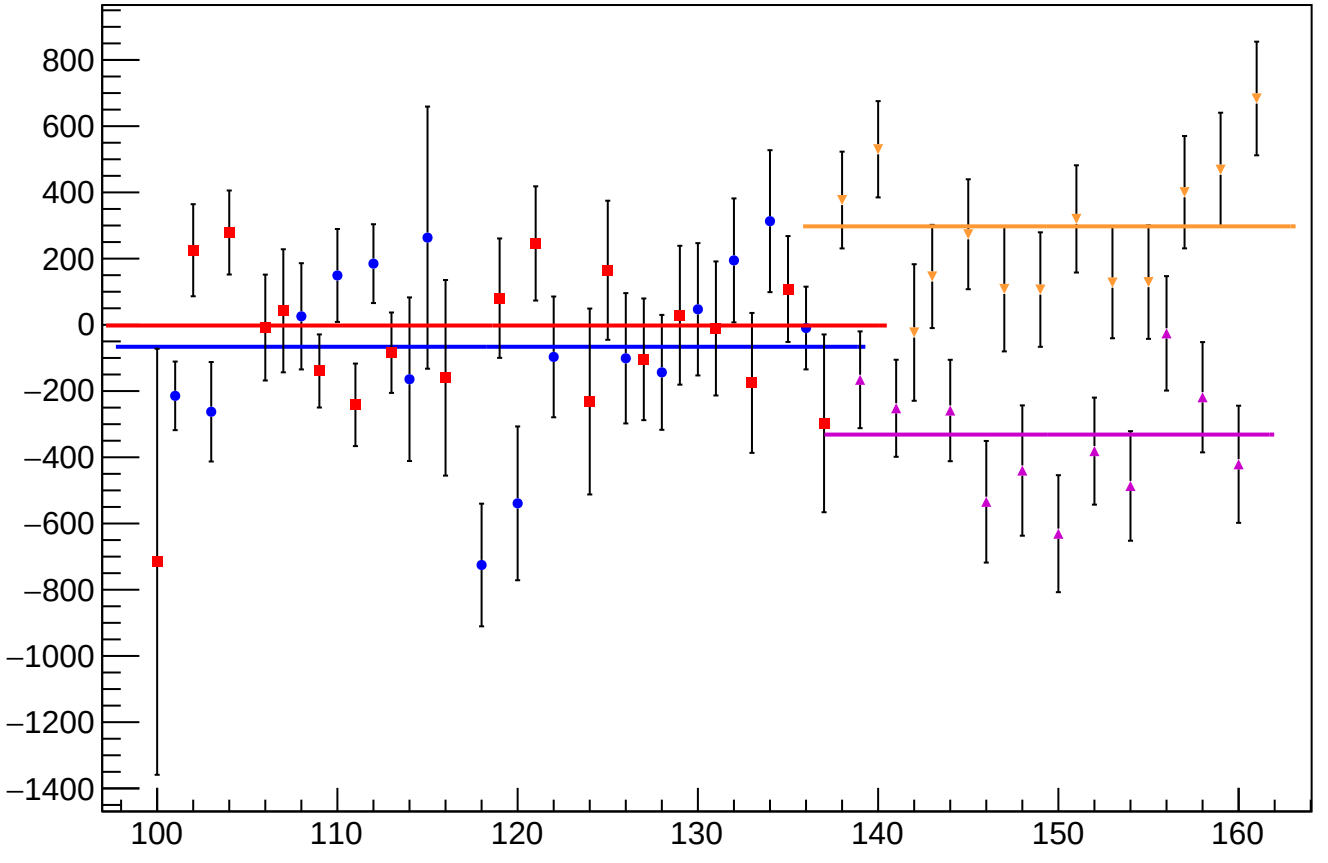
Left In: 0.000+/-0.000 χ^2/NDF:668066.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 2193142.8/28

All: 0.000+/-0.000 χ^2/NDF: 5502879.4/58

- sign 0.000+/-0.000 χ^2/NDF: 3309042.1/29

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 297.457+/-46.292 χ^2/NDF:16.9/12

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

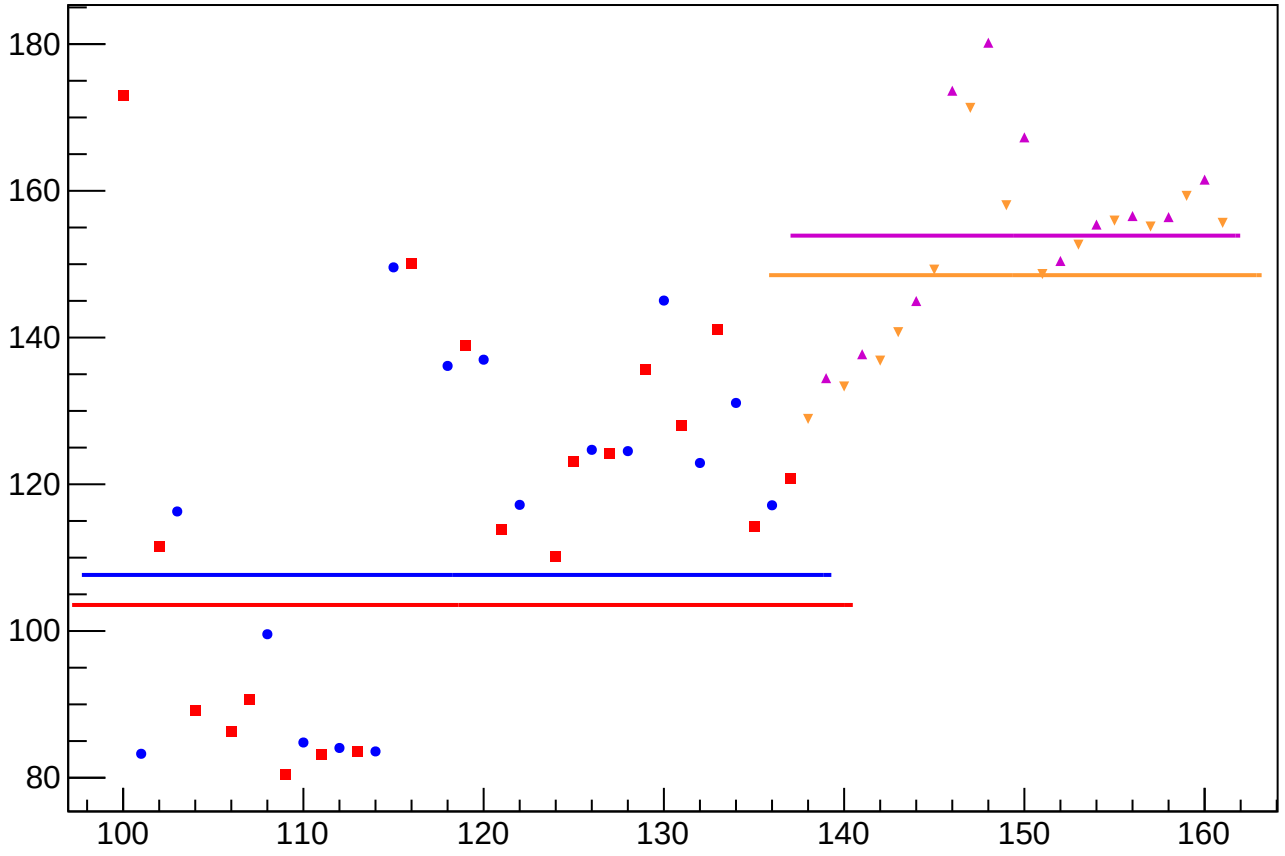
Left In: -331.432+/-50.013 χ^2/NDF:11.0/10

+ sign 93.369+/-30.666 χ^2/NDF: 85.9/28

All: -16.261+/-21.692 χ^2/NDF: 170.7/58

- sign -126.052+/-30.689 χ^2/NDF: 59.2/29

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 148.505+/-0.033 χ^2/NDF:123822.1/12

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

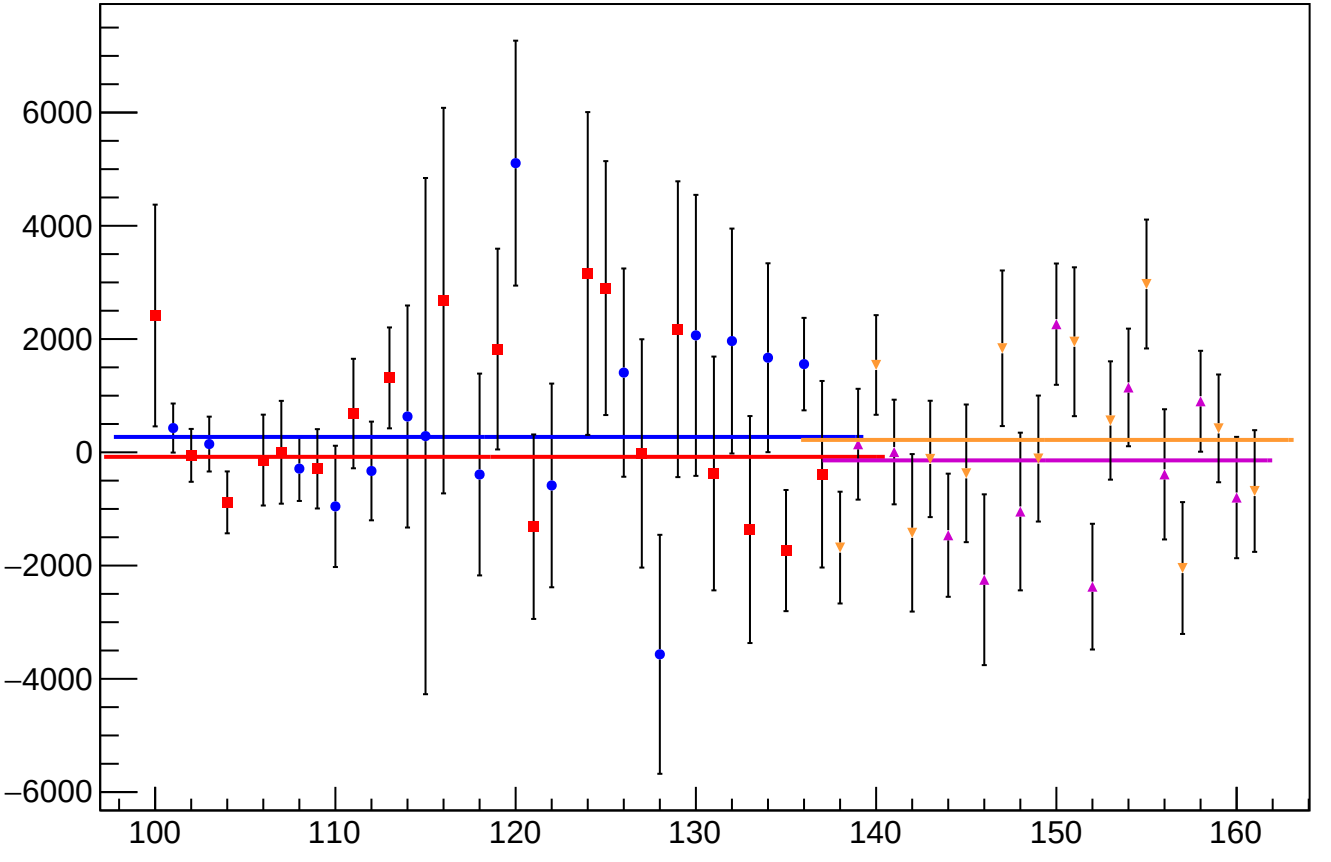
Left In: 153.893+/-0.035 χ^2/NDF:142522.1/10

+ sign 125.575+/-0.022 χ^2/NDF: 1531044.4/28

All: 124.041+/-0.015 χ^2/NDF: 3564377.1/58

- sign 122.505+/-0.022 χ^2/NDF: 2023319.1/29

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 218.835+/-304.655 χ^2/NDF:21.4/12

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

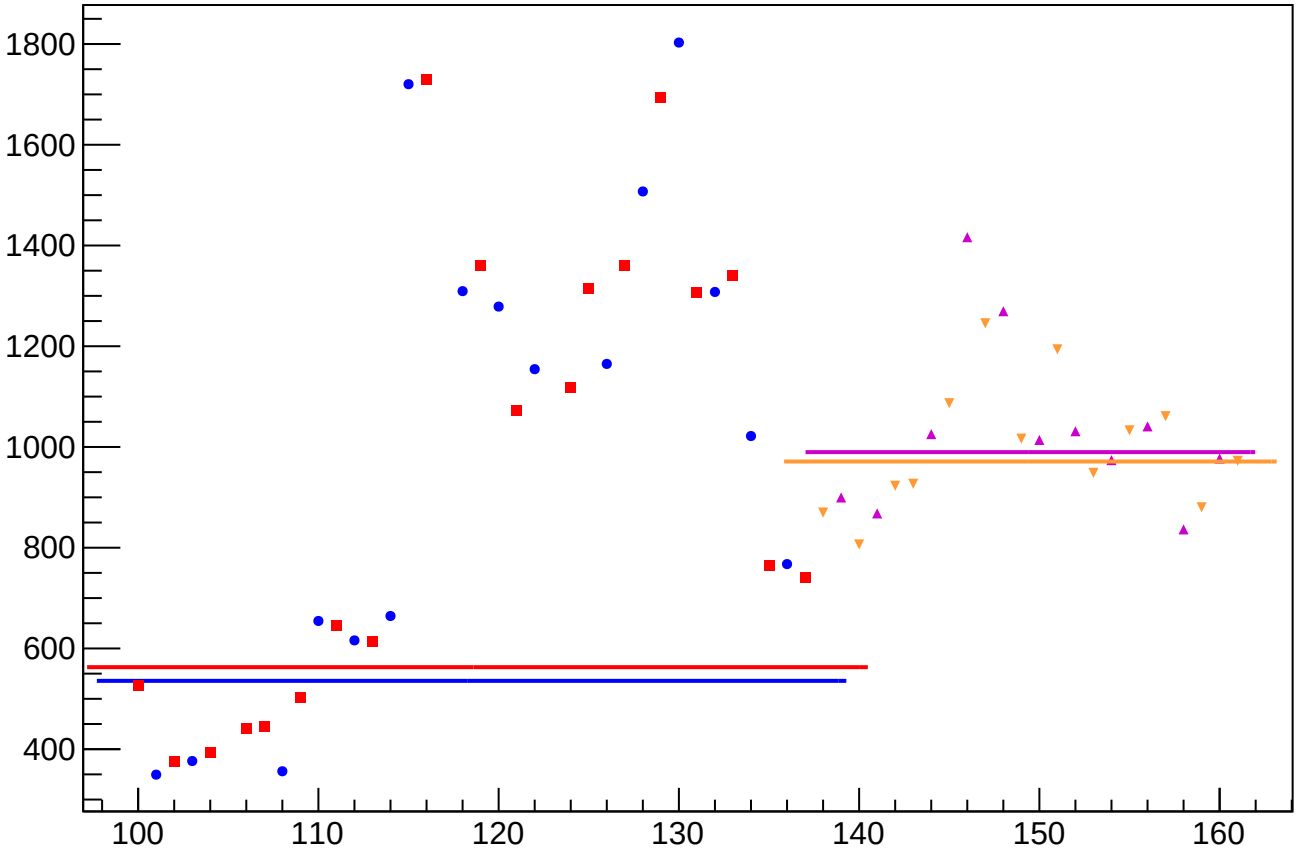
Left In: -142.532+/-324.174 χ^2/NDF:16.4/10

+ sign 252.314+/-183.899 χ^2/NDF: 37.9/28

All: 80.125+/-131.717 χ^2/NDF: 72.1/58

- sign -101.260+/-188.746 χ^2/NDF: 32.4/29

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 971.146+/-0.215 χ^2/NDF:293026.2/12

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

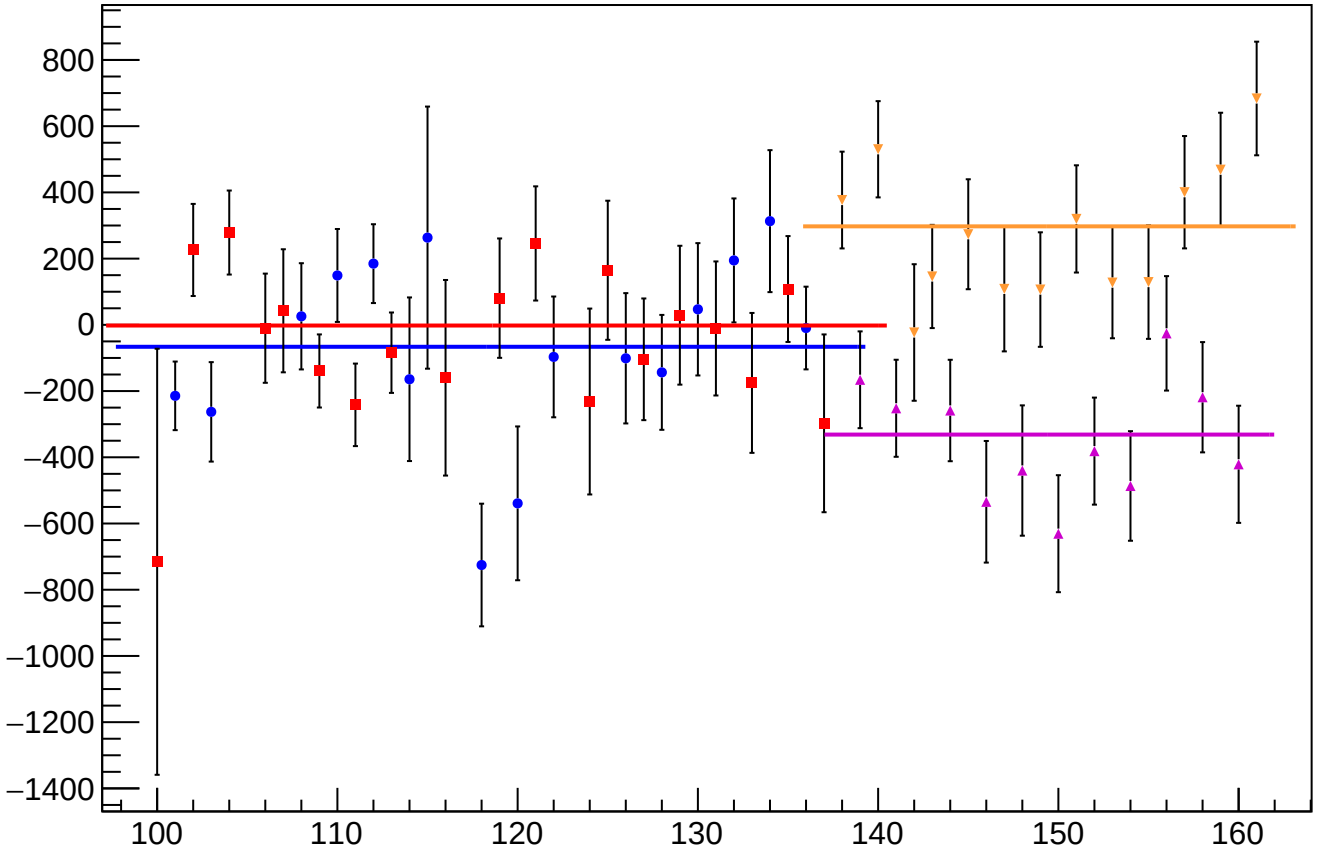
Left In: 989.785+/-0.229 χ^2/NDF:362435.5/10

+ sign 694.352+/-0.130 χ^2/NDF: 6522702.2/28

All: 700.793+/-0.093 χ^2/NDF: 12294233.8/58

- sign 707.577+/-0.133 χ^2/NDF: 5766494.6/29

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 297.450+/-46.292 χ^2/NDF:16.9/12

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

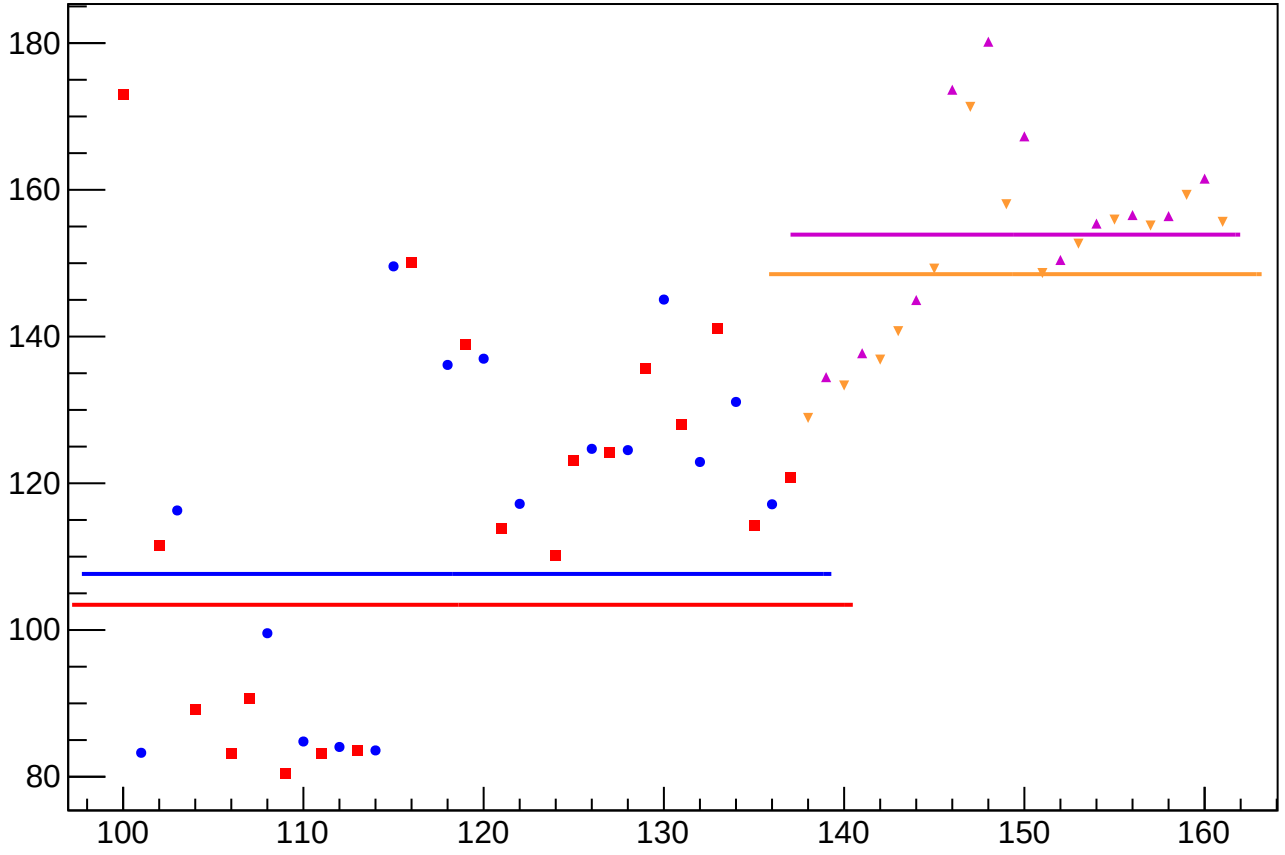
Left In: -331.437+/-50.013 χ^2/NDF:11.0/10

+ sign 93.351+/-30.666 χ^2/NDF: 85.9/28

All: -16.301+/-21.705 χ^2/NDF: 170.7/58

- sign -126.361+/-30.723 χ^2/NDF: 59.2/29

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 148.505+/-0.033 χ^2/NDF:123822.1/12

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

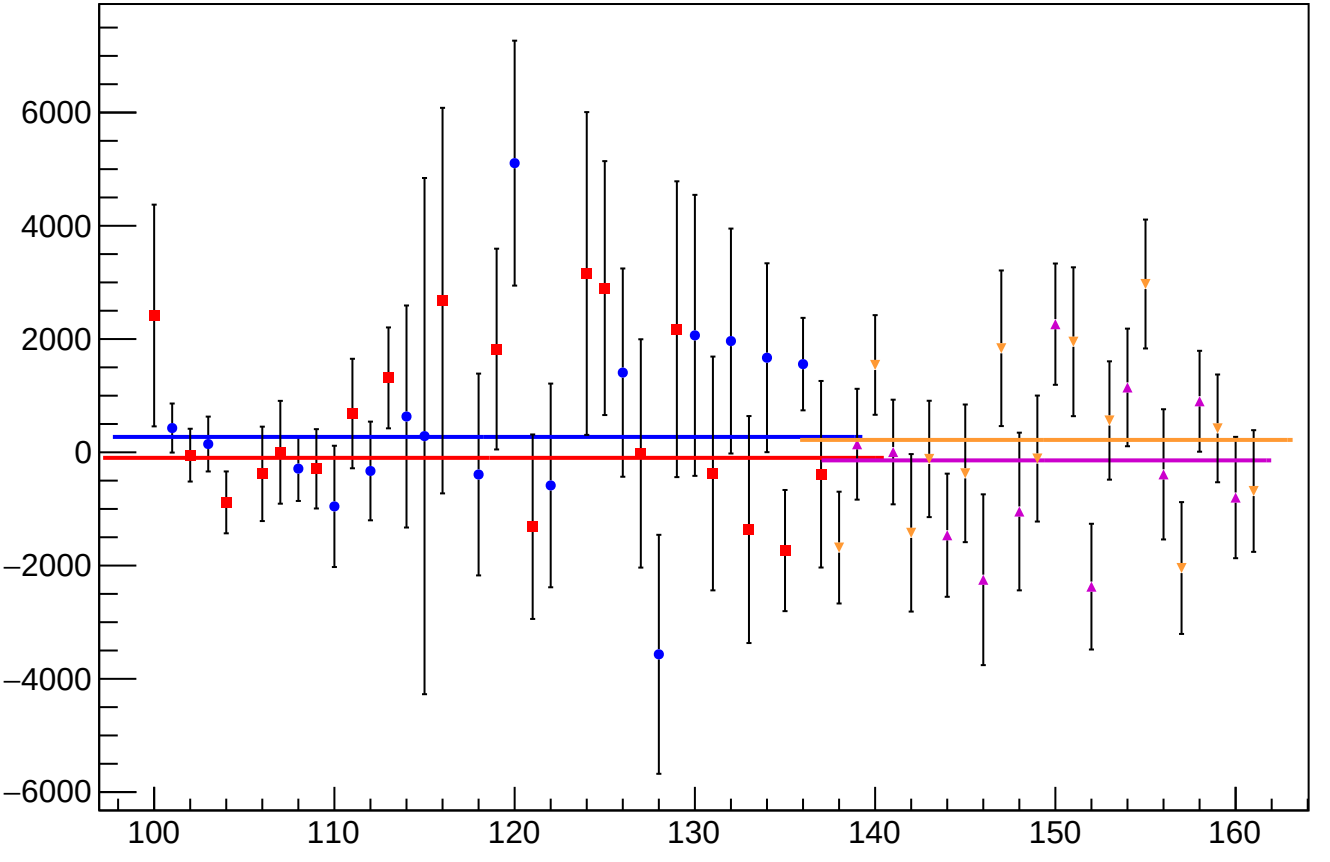
Left In: 153.893+/-0.035 χ^2/NDF:142522.1/10

\+ sign 125.575+/-0.022 χ^2/NDF: 1531043.1/28

All: 124.030+/-0.015 χ^2/NDF: 3575854.0/58

\- sign 122.478+/-0.022 χ^2/NDF: 2034630.9/29

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 218.837+/-304.655 χ^2/NDF:21.4/12

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

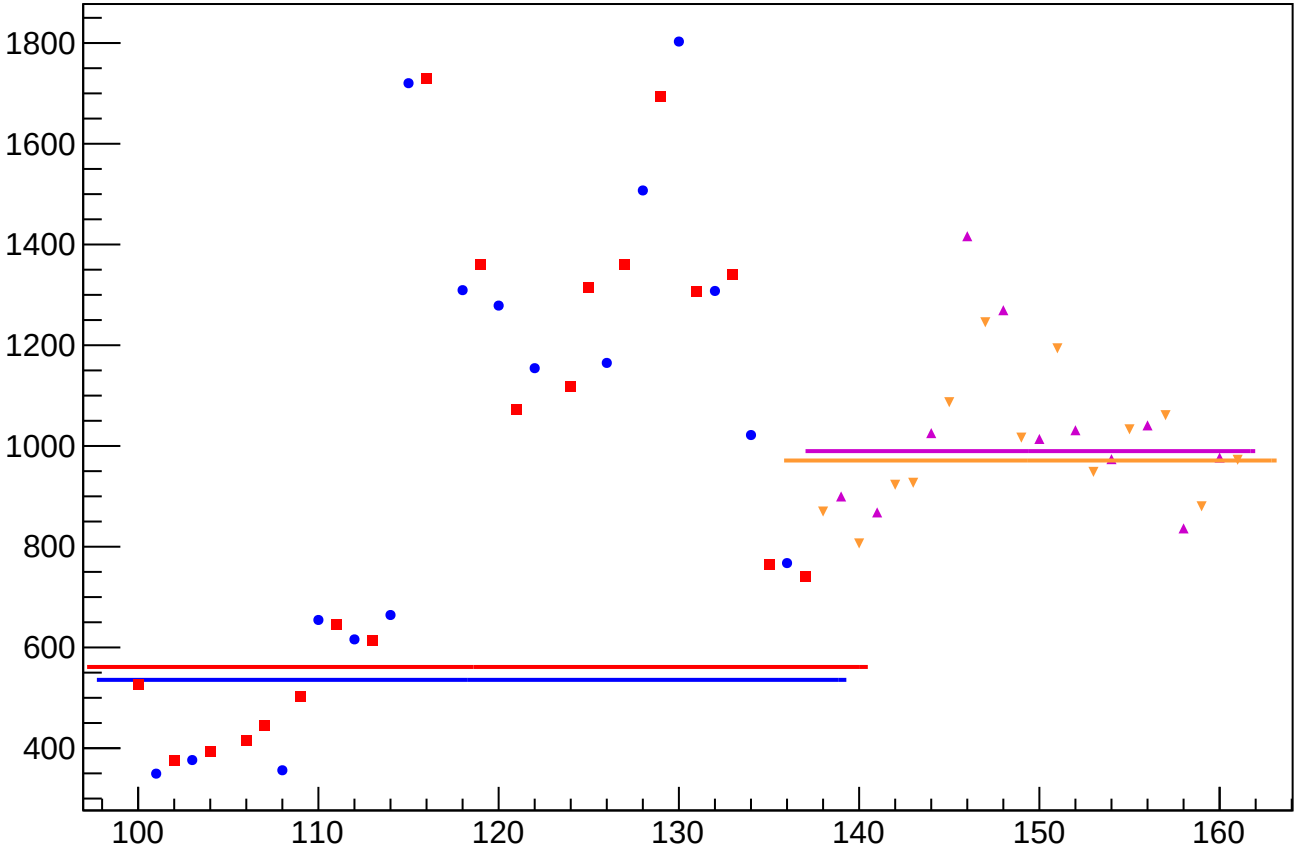
Left In: -142.527+/-324.175 χ^2/NDF:16.4/10

\+ sign 252.404+/-183.896 χ^2/NDF: 37.9/28

All: 74.760+/-131.829 χ^2/NDF: 72.3/58

\- sign -113.047+/-189.082 χ^2/NDF: 32.5/29

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 971.146+/-0.215 χ^2/NDF:293026.6/12

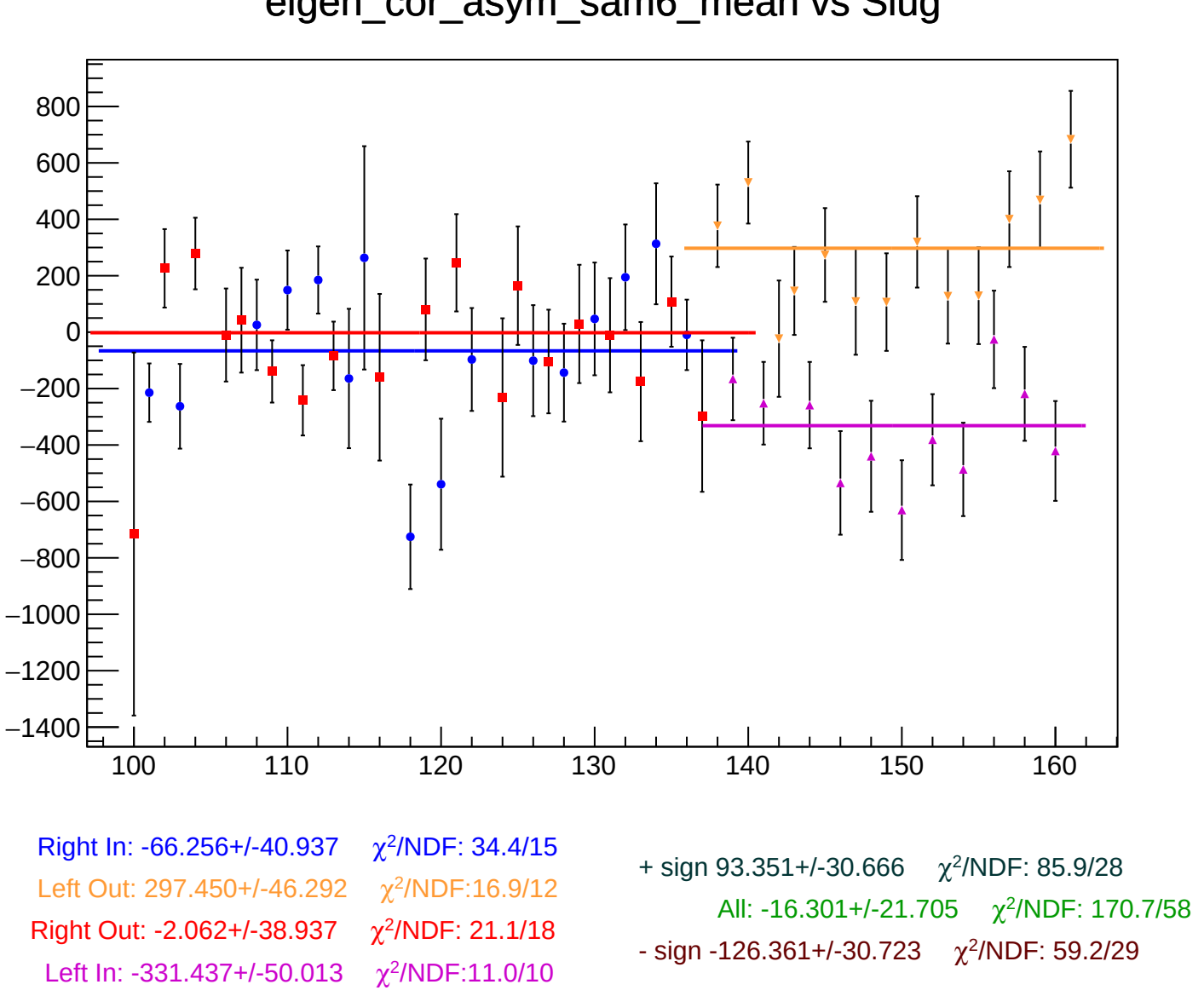
Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 989.786+/-0.229 χ^2/NDF:362435.0/10

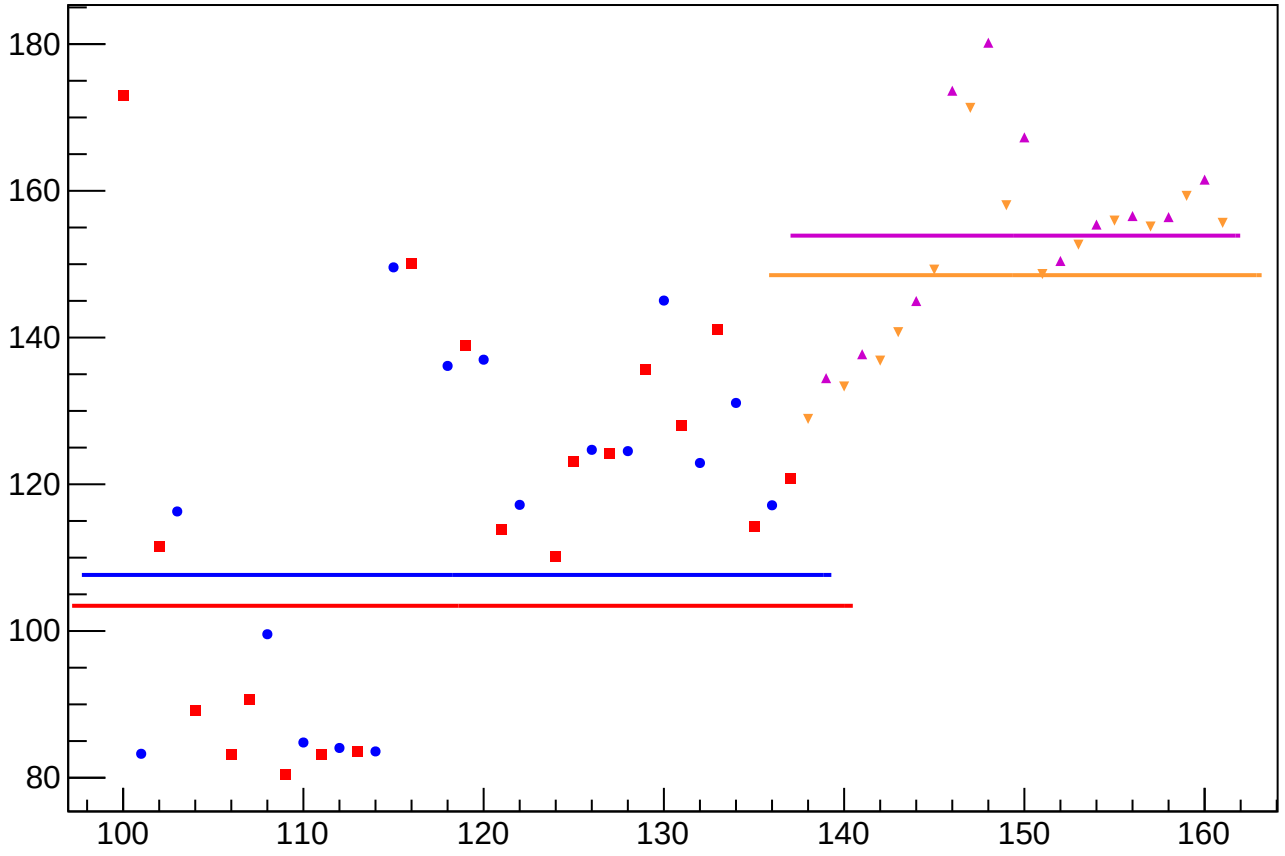
+ sign 694.333+/-0.130 χ^2/NDF: 6523223.7/28

All: 700.516+/-0.093 χ^2/NDF: 12326828.1/58

- sign 707.054+/-0.134 χ^2/NDF: 5798951.8/29


eigen_cor_asym_sam6_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
100
110
120
130
140
150
160
Right In: -66.256+/-40.937 χ²/NDF: 34.4/15
Left Out: 297.450+/-46.292 χ²/NDF:16.9/12
Right Out: -2.062+/-38.937 χ²/NDF: 21.1/18
Left In: -331.437+/-50.013 χ²/NDF:11.0/10
+ sign 93.351+/-30.666 χ²/NDF: 85.9/28
All: -16.301+/-21.705 χ²/NDF: 170.7/58
- sign -126.361+/-30.723 χ²/NDF: 59.2/29

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 148.505+/-0.033 χ^2/NDF:123822.1/12

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

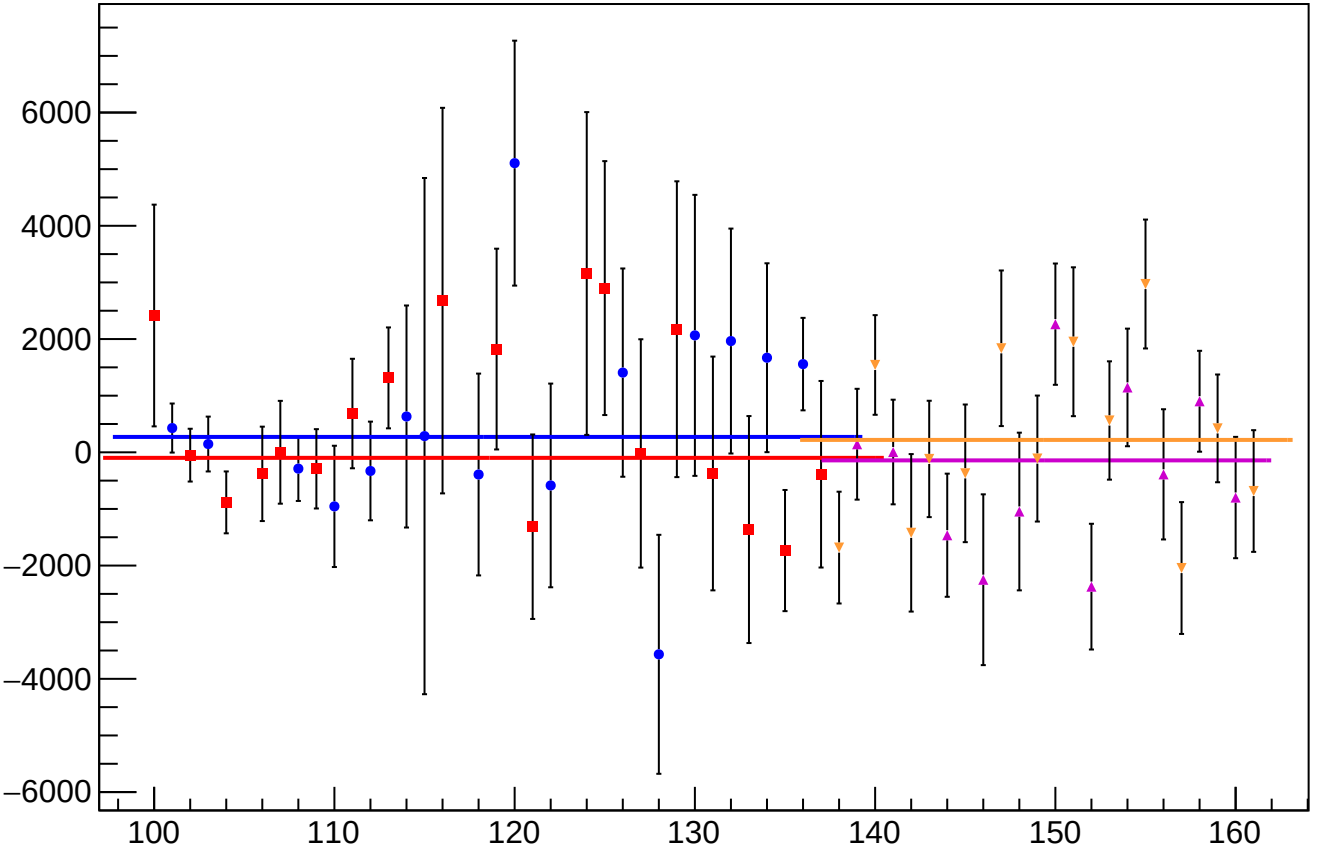
Left In: 153.893+/-0.035 χ^2/NDF:142522.1/10

+ sign 125.575+/-0.022 χ^2/NDF: 1531043.1/28

All: 124.030+/-0.015 χ^2/NDF: 3575854.0/58

- sign 122.478+/-0.022 χ^2/NDF: 2034630.9/29

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 218.837+/-304.655 χ^2/NDF:21.4/12

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

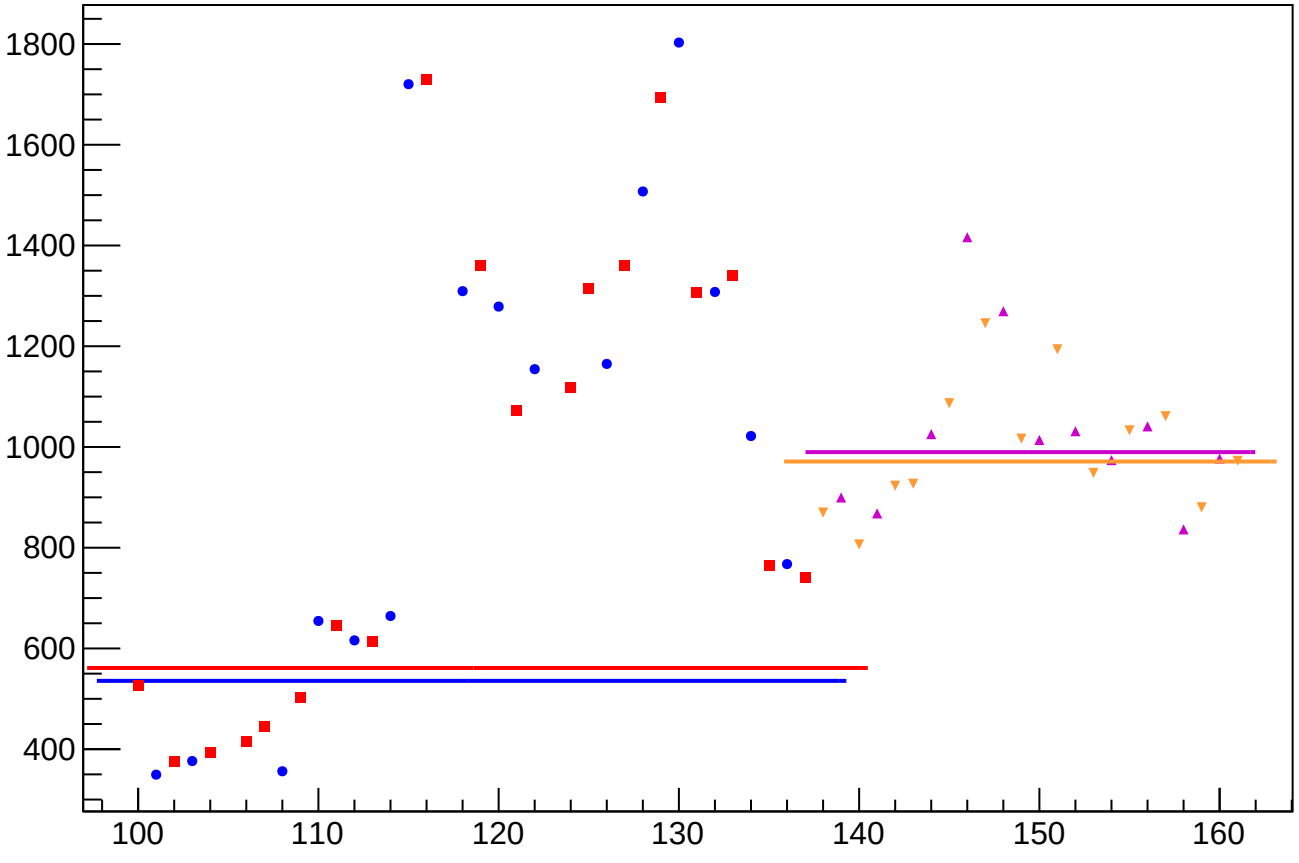
Left In: -142.527+/-324.175 χ^2/NDF:16.4/10

+ sign 252.404+/-183.896 χ^2/NDF: 37.9/28

All: 74.760+/-131.829 χ^2/NDF: 72.3/58

- sign -113.047+/-189.082 χ^2/NDF: 32.5/29

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 971.146+/-0.215 χ^2/NDF:293026.6/12

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

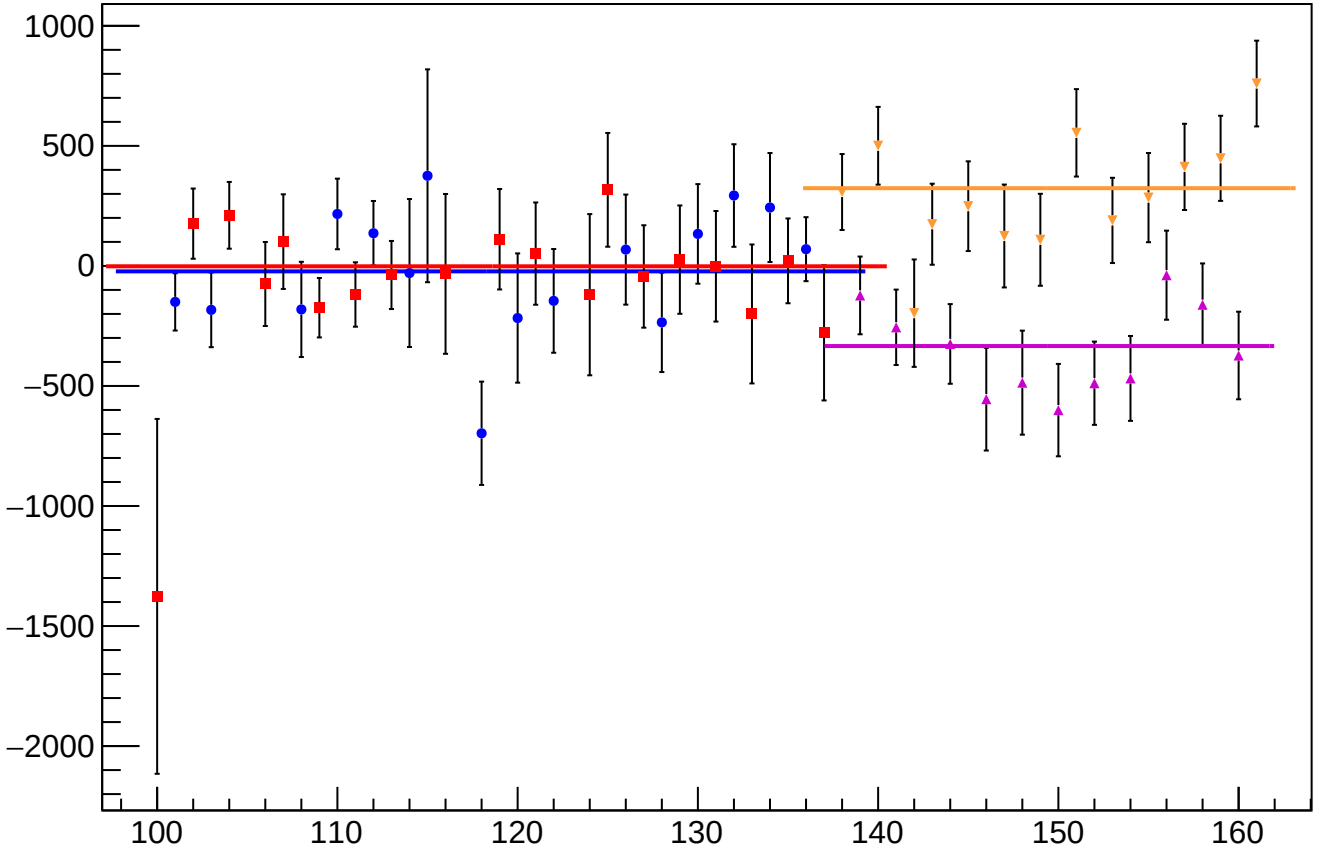
Left In: 989.786+/-0.229 χ^2/NDF:362435.0/10

+ sign 694.333+/-0.130 χ^2/NDF: 6523223.7/28

All: 700.516+/-0.093 χ^2/NDF: 12326828.1/58

- sign 707.054+/-0.134 χ^2/NDF: 5798951.8/29

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 323.806+/-50.256 χ^2/NDF:18.6/12

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

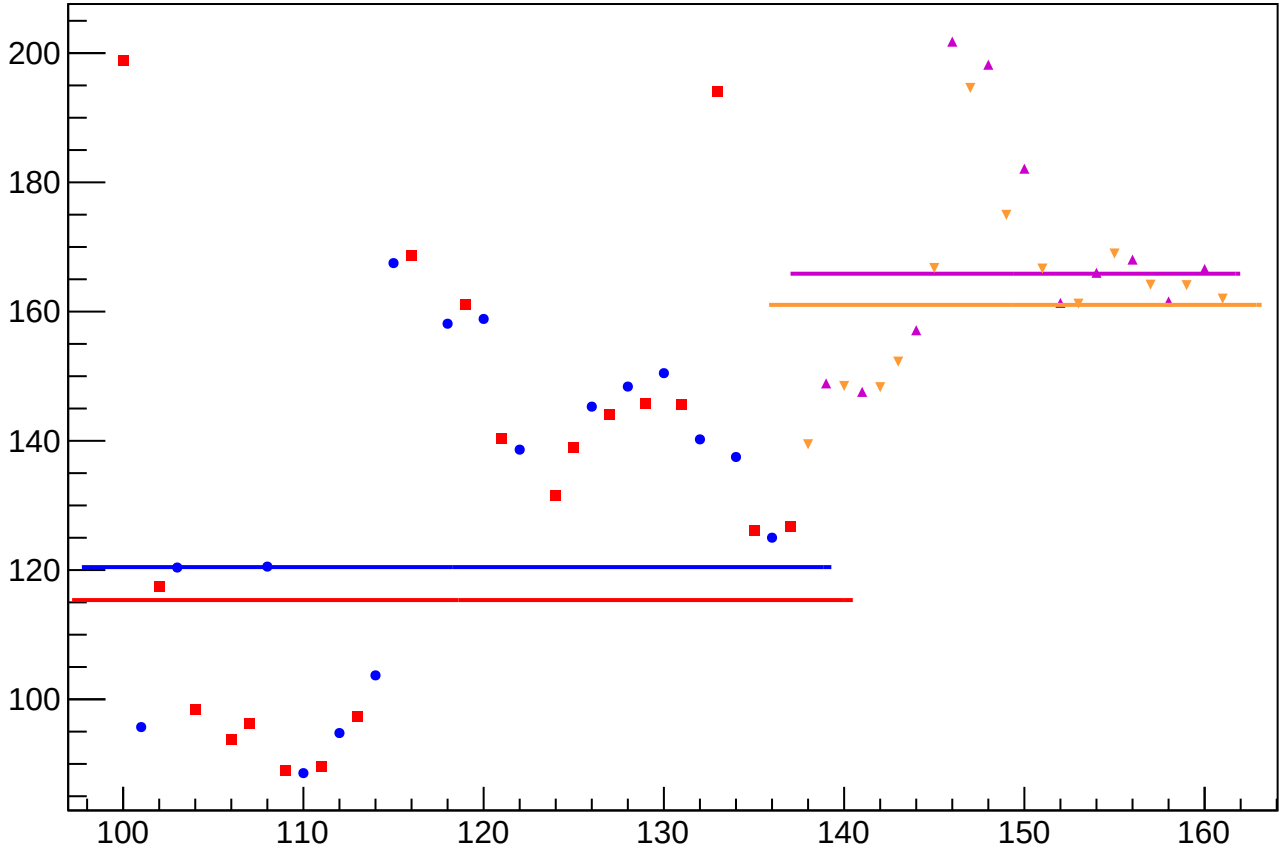
Left In: -333.782+/-53.970 χ^2/NDF:10.4/10

+ sign 134.931+/-33.895 χ^2/NDF: 68.7/28

All: 1.155+/-23.969 χ^2/NDF: 147.5/58

- sign -132.646+/-33.898 χ^2/NDF: 47.6/29

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 161.040+/-0.036 χ^2/NDF:129503.7/12

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

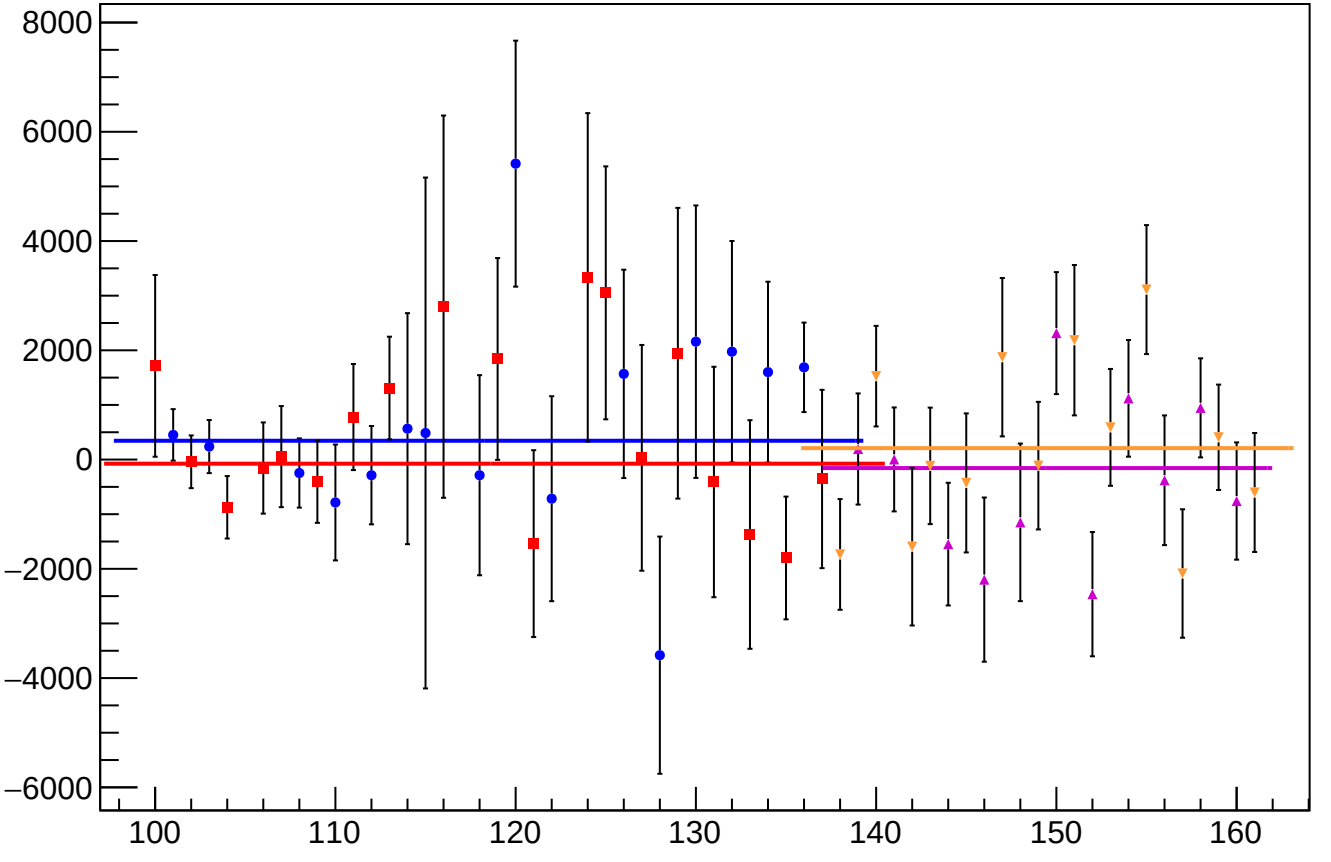
Left In: 165.862+/-0.038 χ^2/NDF:172708.2/10

\+ sign 138.918+/-0.024 χ^2/NDF: 1370730.9/28

All: 137.100+/-0.017 χ^2/NDF: 3382687.3/58

\- sign 135.281+/-0.024 χ^2/NDF: 2000444.0/29

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 209.244+/-314.627 χ^2/NDF:21.7/12

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

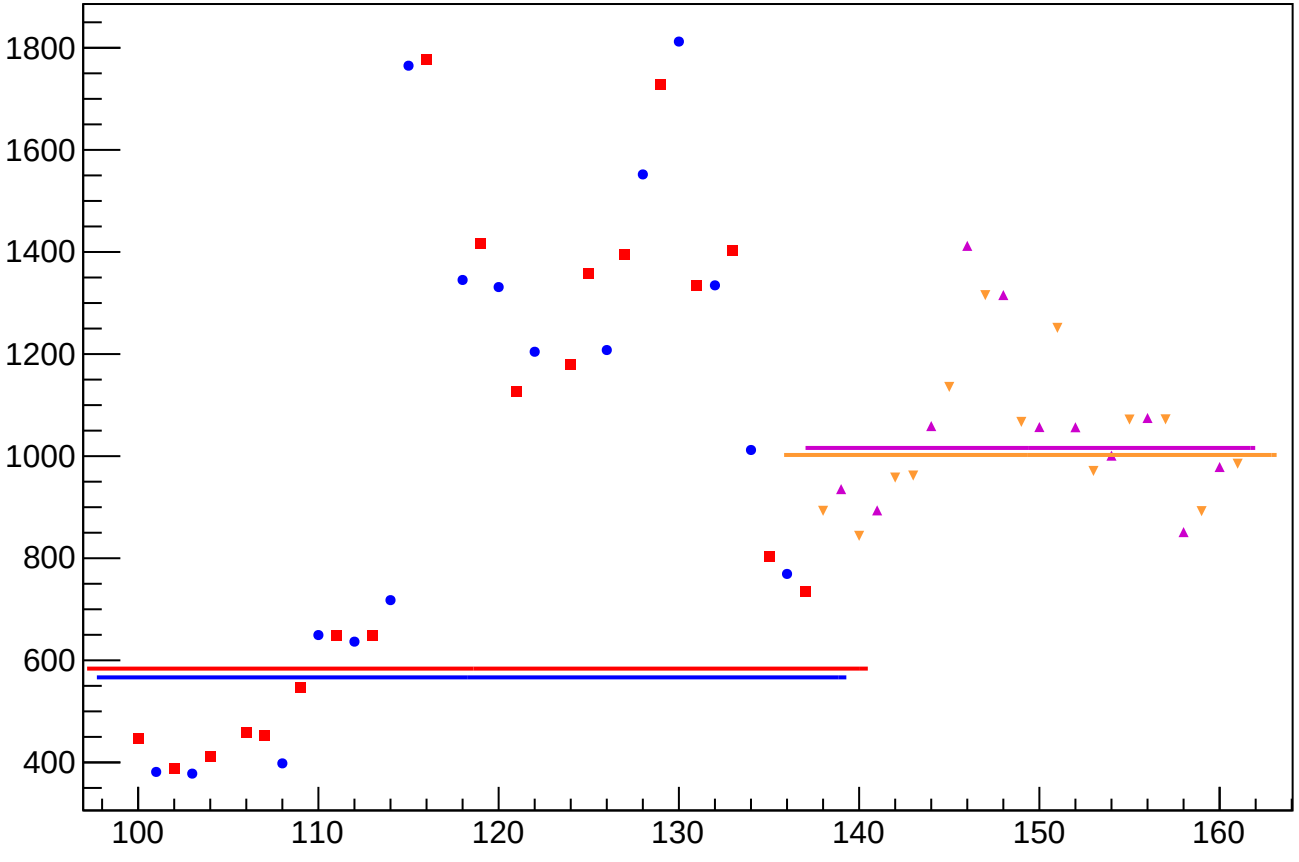
Left In: -155.653+/-332.700 χ^2/NDF:16.3/10

+ sign 294.307+/-191.588 χ^2/NDF: 38.0/28

All: 99.074+/-136.628 χ^2/NDF: 71.7/58

- sign -102.962+/-194.897 χ^2/NDF: 31.6/29

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1002.348+/-0.222 χ^2/NDF:316437.8/12

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

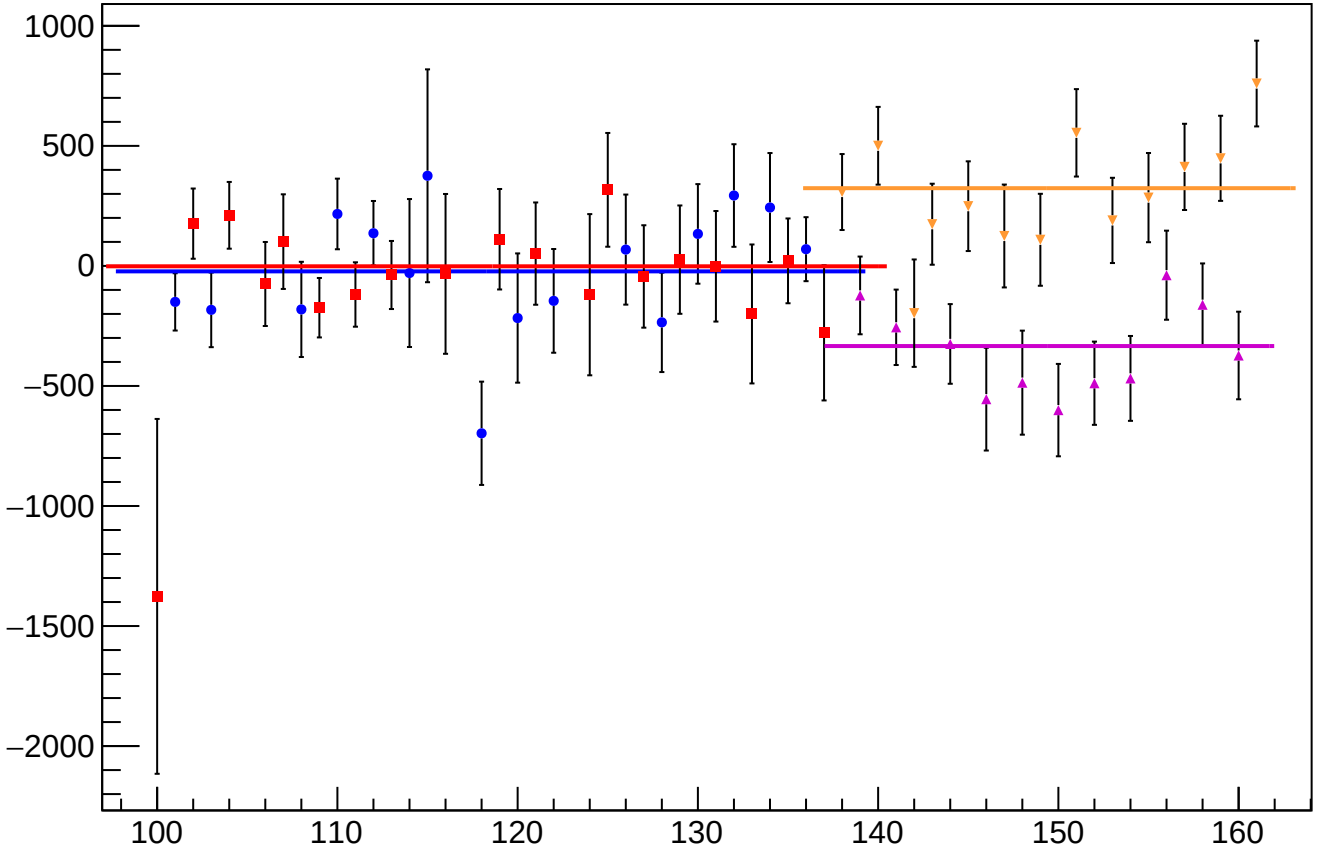
Left In: 1016.104+/-0.235 χ^2/NDF:352702.1/10

+ sign 728.179+/-0.135 χ^2/NDF: 6162608.9/28

All: 730.129+/-0.097 χ^2/NDF: 11841290.8/58

- sign 732.148+/-0.138 χ^2/NDF: 5678259.9/29

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 323.806+/-50.256 χ^2/NDF:18.6/12

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

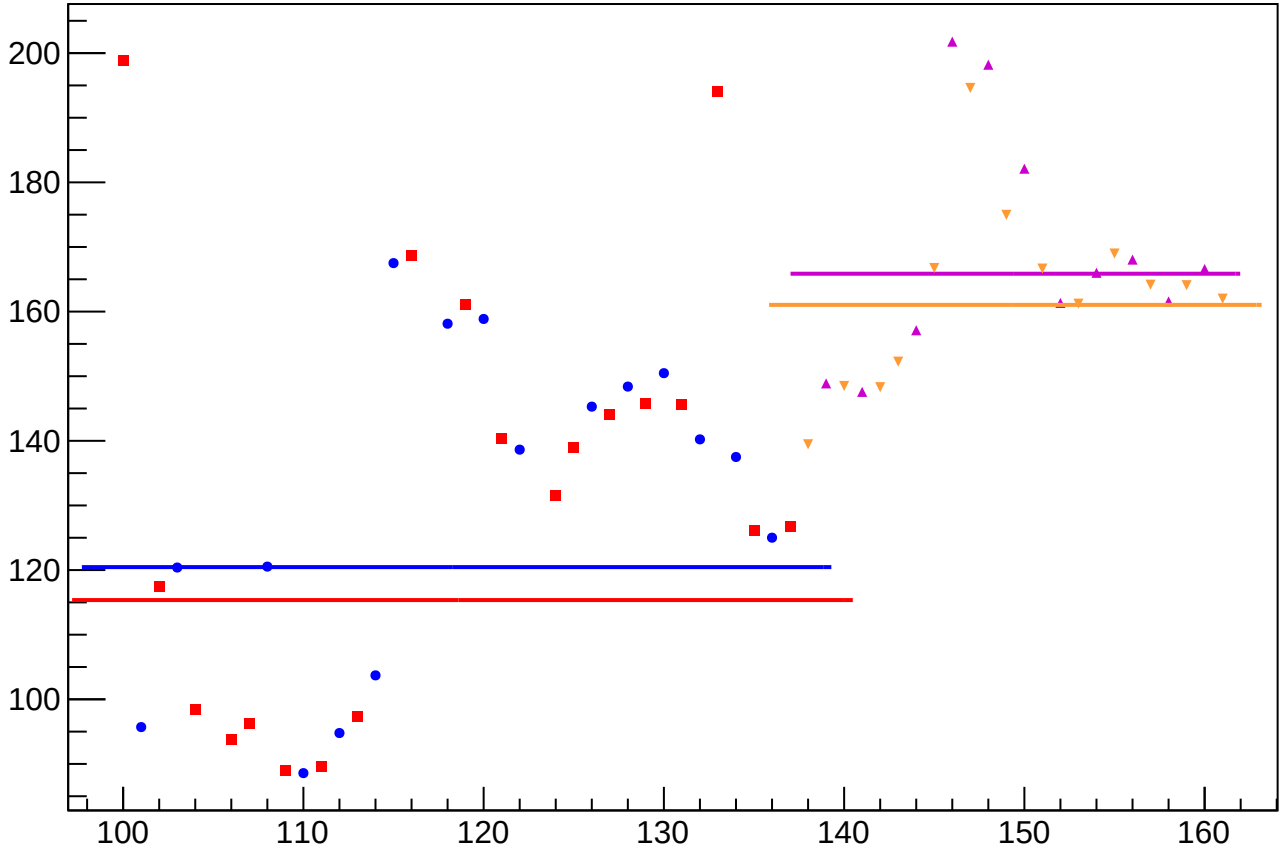
Left In: -333.782+/-53.970 χ^2/NDF:10.4/10

+ sign 134.930+/-33.895 χ^2/NDF: 68.7/28

All: 1.154+/-23.968 χ^2/NDF: 147.5/58

- sign -132.646+/-33.898 χ^2/NDF: 47.6/29

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 161.040+/-0.036 χ^2/NDF:129502.8/12

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

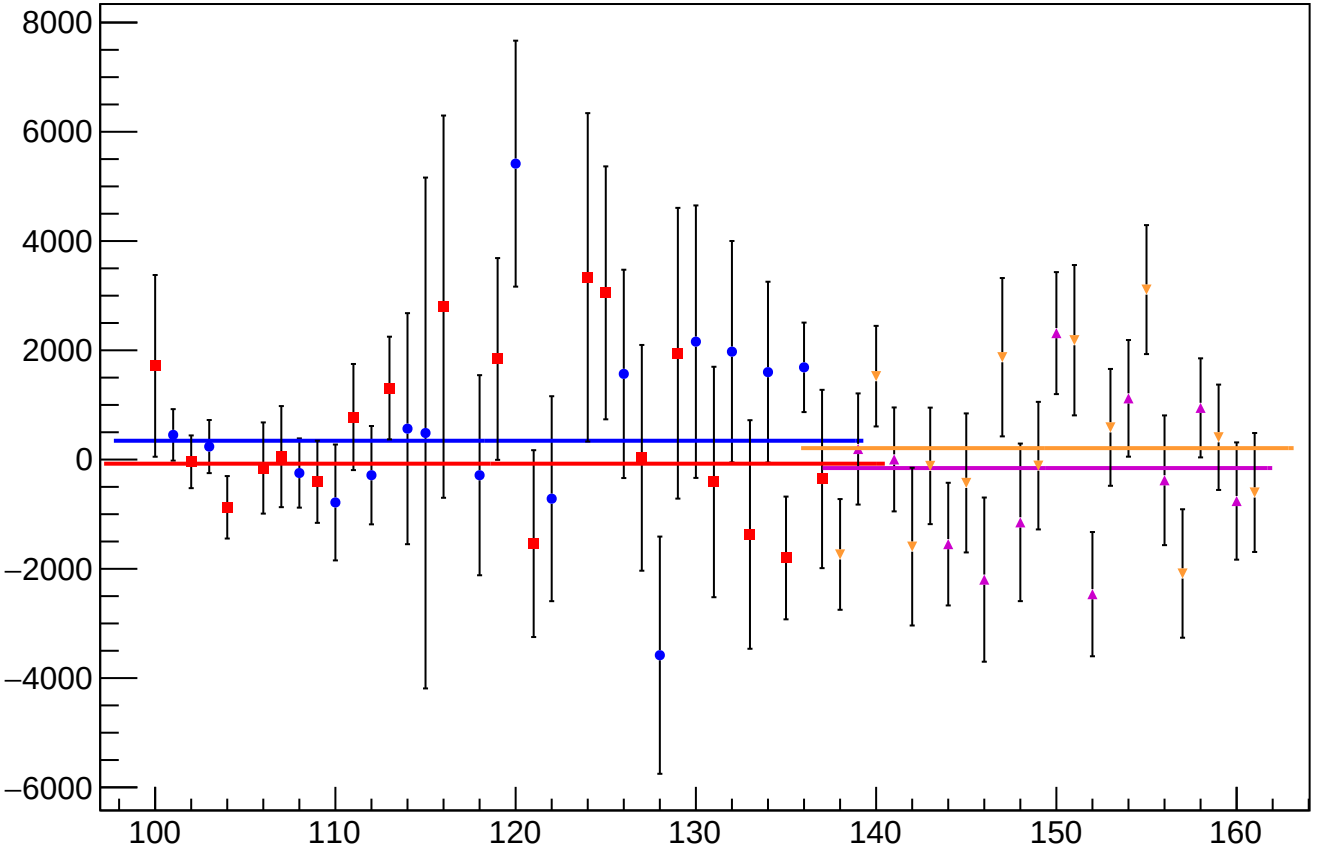
Left In: 165.862+/-0.038 χ^2/NDF:172708.5/10

+ sign 138.918+/-0.024 χ^2/NDF: 1370737.1/28

All: 137.100+/-0.017 χ^2/NDF: 3382696.4/58

- sign 135.281+/-0.024 χ^2/NDF: 2000447.2/29

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 209.245+/-314.627 χ^2/NDF:21.7/12

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

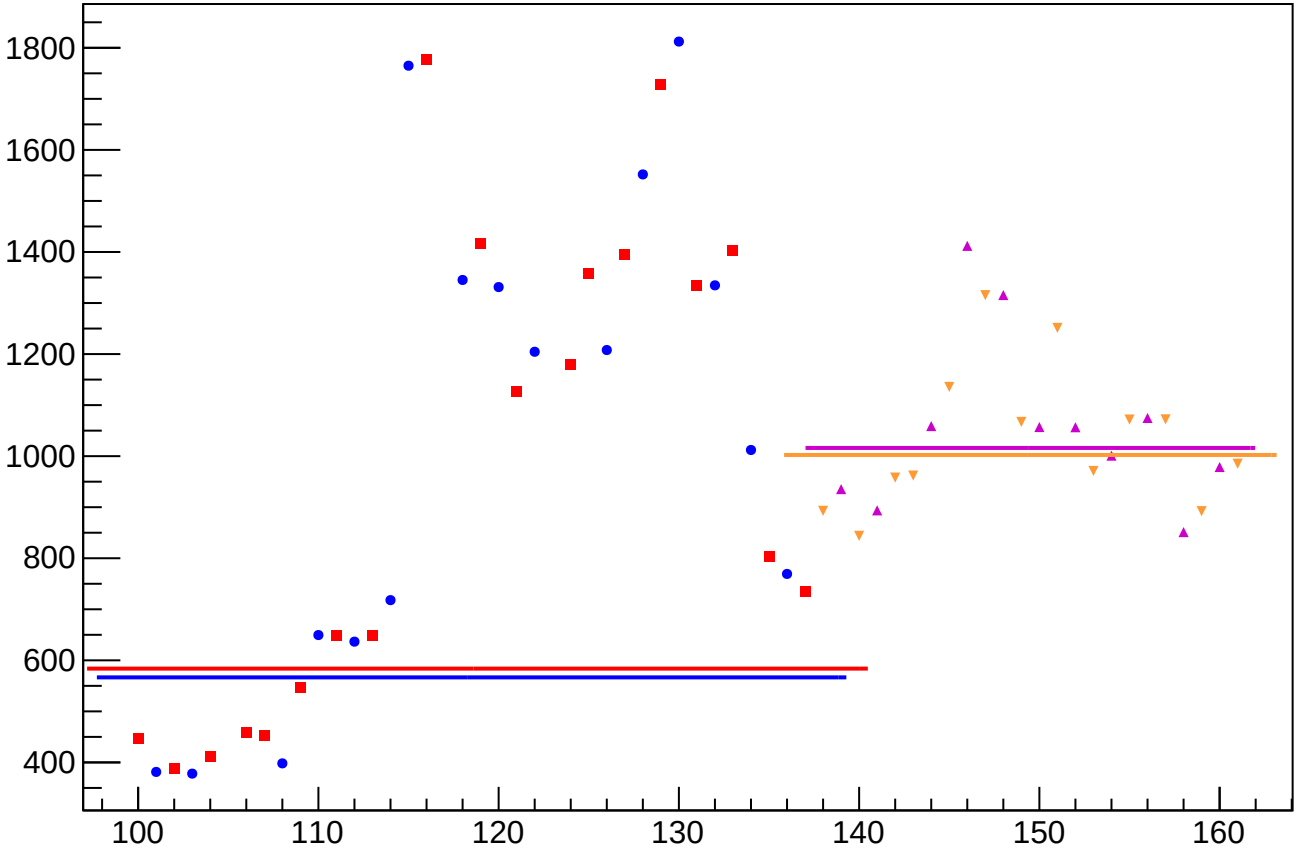
Left In: -155.653+/-332.700 χ^2/NDF:16.3/10

\+ sign 294.307+/-191.588 χ^2/NDF: 38.0/28

All: 99.073+/-136.628 χ^2/NDF: 71.7/58

\- sign -102.963+/-194.897 χ^2/NDF: 31.6/29

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1002.348+/-0.222 χ^2/NDF:316440.1/12

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

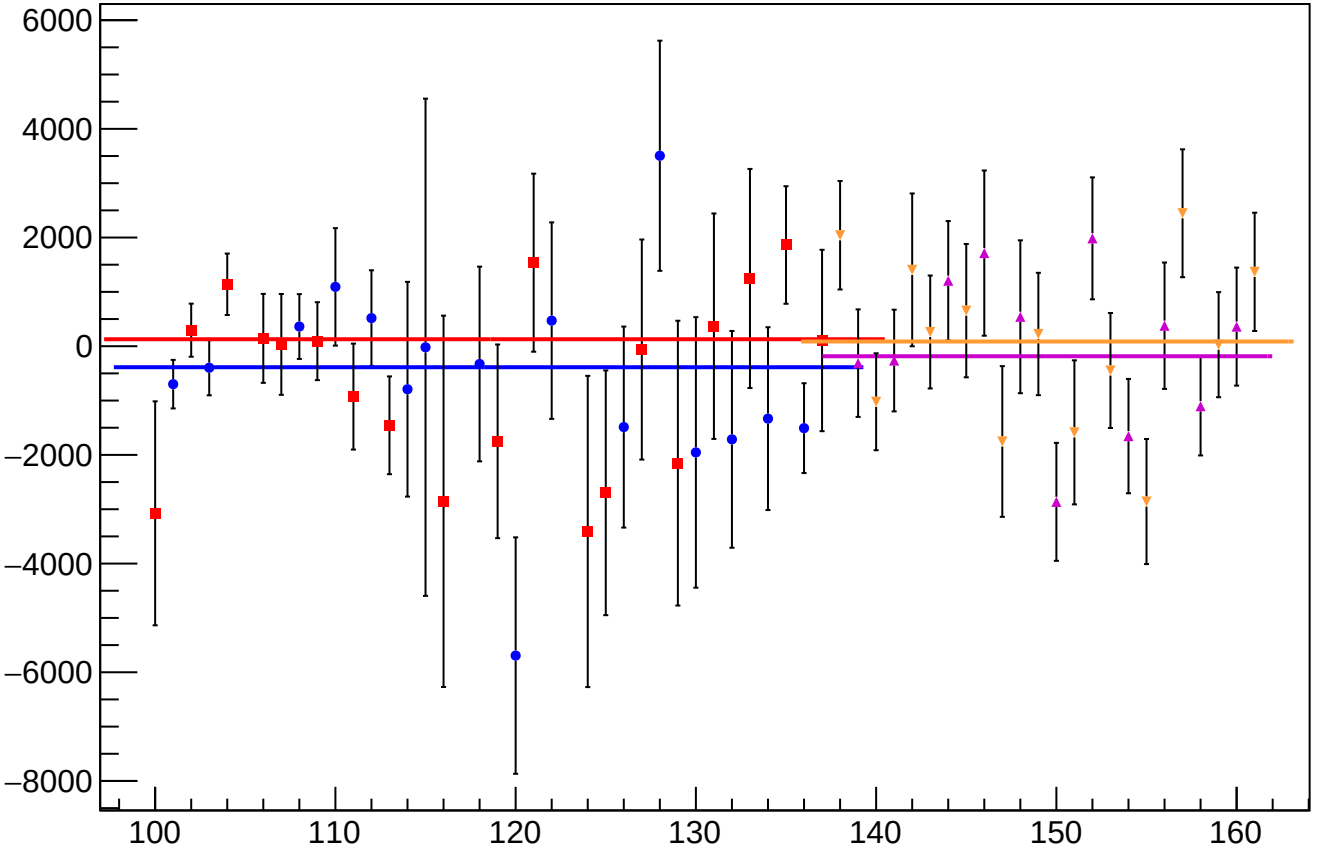
Left In: 1016.103+/-0.235 χ^2/NDF:352705.0/10

+ sign 728.178+/-0.135 χ^2/NDF: 6162622.5/28

All: 730.129+/-0.097 χ^2/NDF: 11841310.2/58

- sign 732.148+/-0.138 χ^2/NDF: 5678265.7/29

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 86.922+/-308.319 χ^2/NDF:22.1/12

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

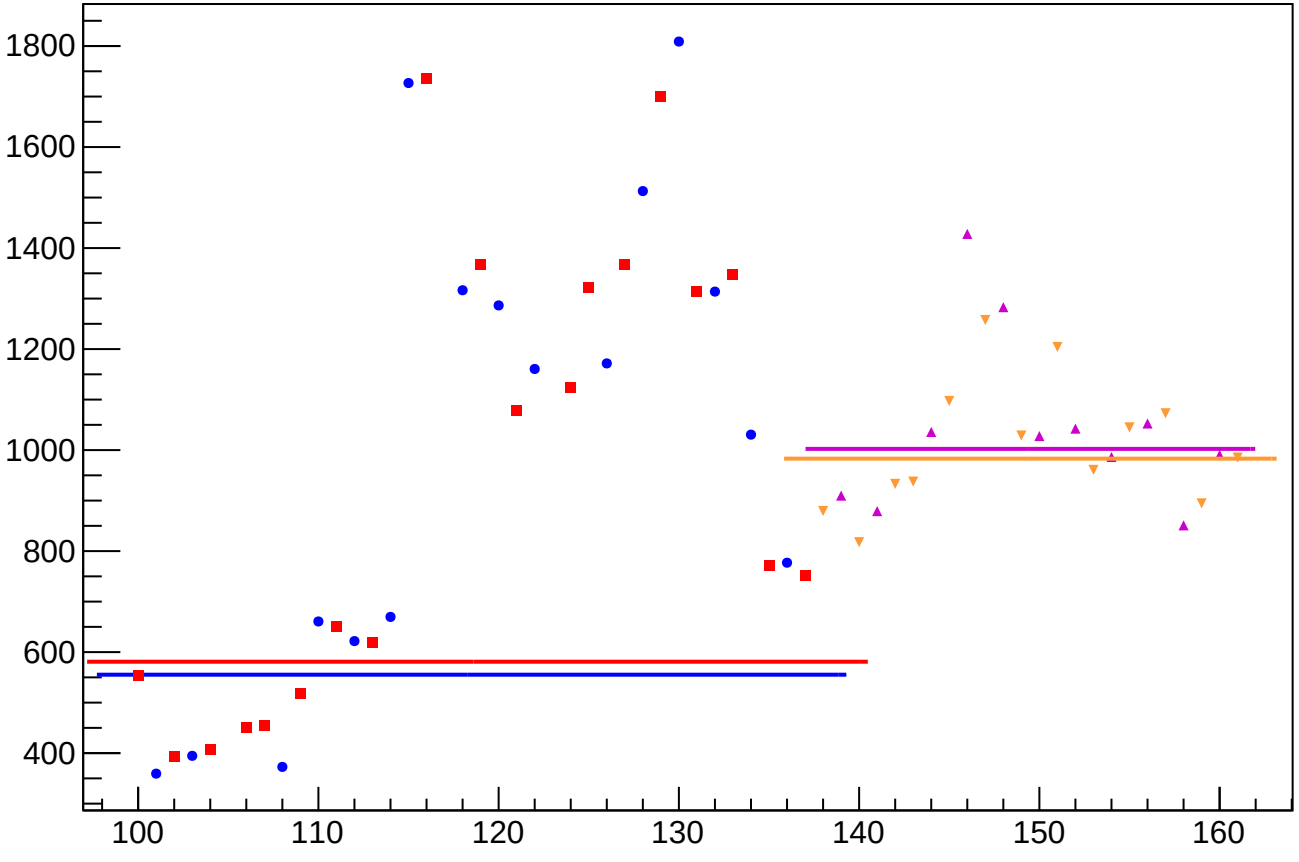
Left In: -184.444+/-328.213 χ^2/NDF:16.7/10

+ sign -210.189+/-188.163 χ^2/NDF: 41.5/28

All: -97.622+/-134.661 χ^2/NDF: 79.0/58

- sign 20.565+/-192.802 χ^2/NDF: 36.7/29

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 983.074+/-0.218 χ^2/NDF:286528.9/12

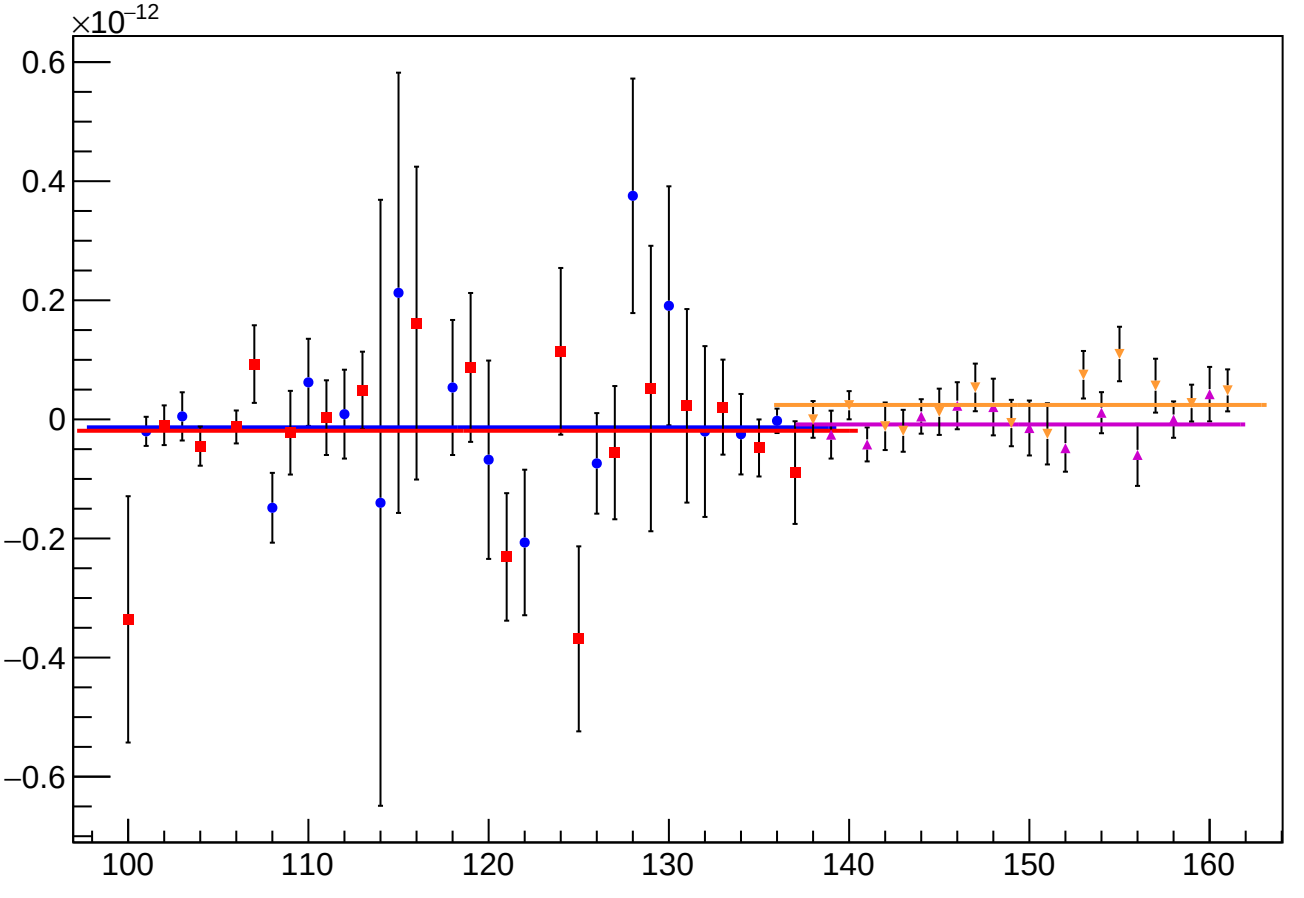
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1002.415+/-0.232 χ^2/NDF:354397.7/10

+ sign 714.619+/-0.133 χ^2/NDF: 6185210.0/28

All: 720.374+/-0.095 χ^2/NDF: 11686438.5/58

- sign 726.417+/-0.136 χ^2/NDF: 5497392.7/29



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/12

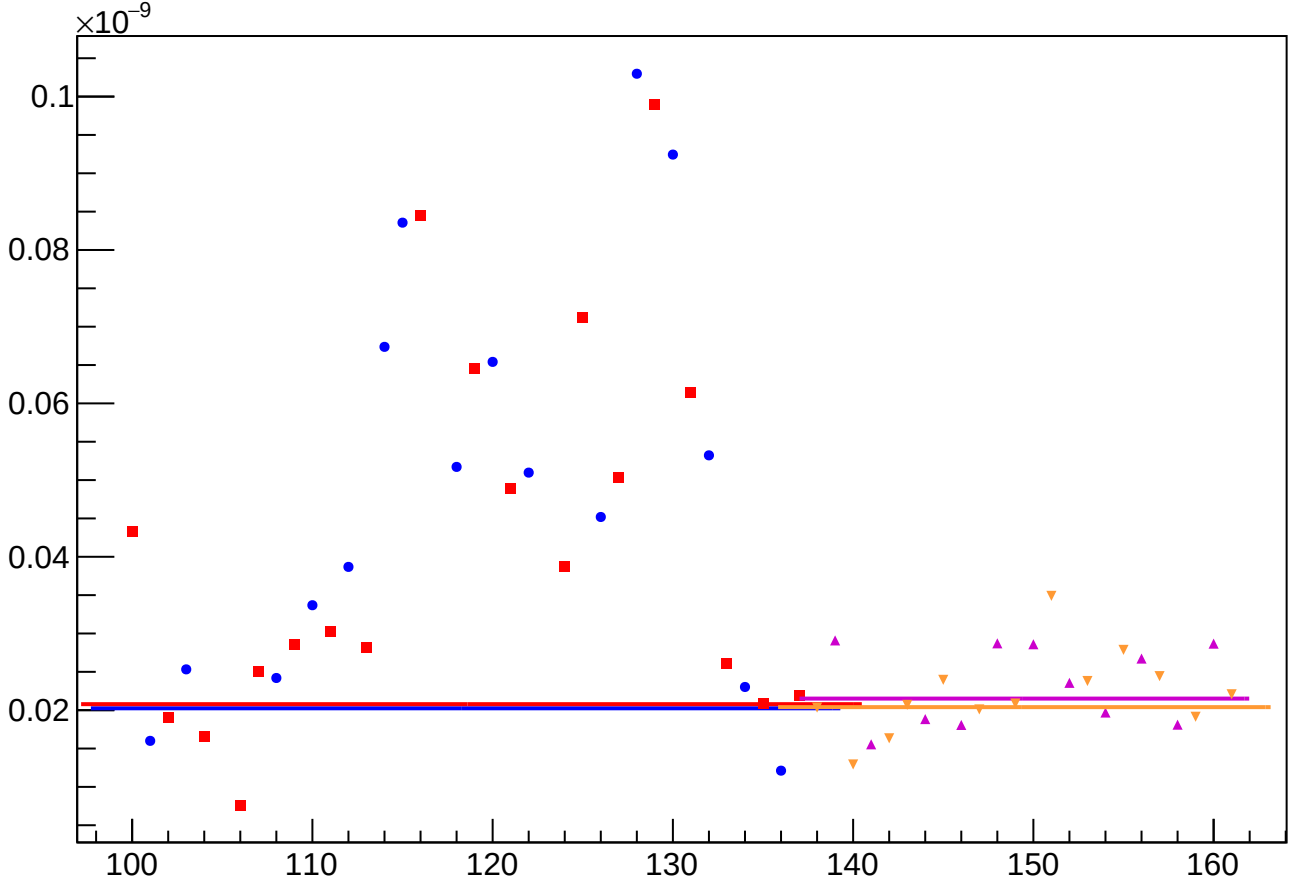
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 32.4/28

All: -0.000+/-0.000 χ^2/NDF: 62.8/58

- sign -0.000+/-0.000 χ^2/NDF: 26.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:488086.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

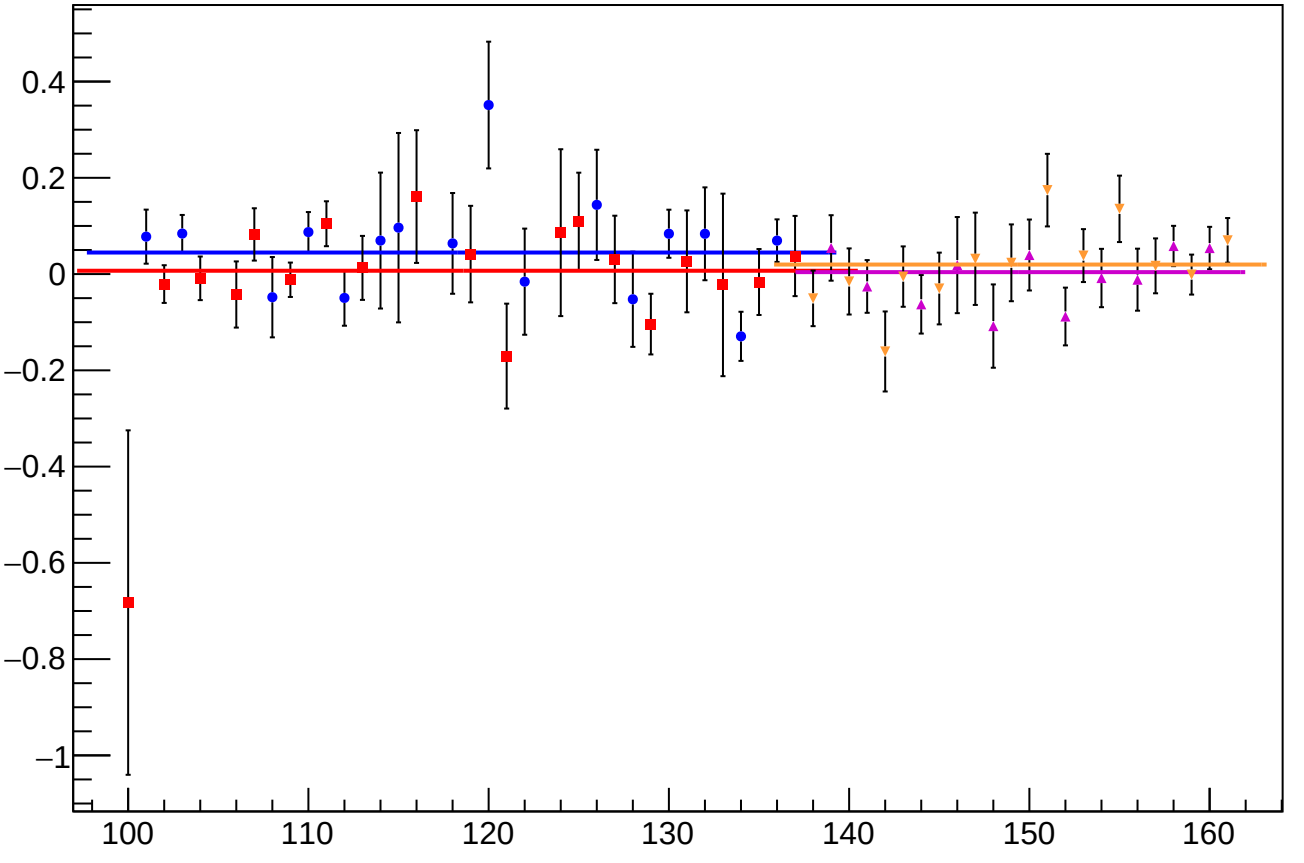
Left In: 0.000+/-0.000 χ^2/NDF:388241.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 2492937.8/28

All: 0.000+/-0.000 χ^2/NDF: 4751728.0/58

- sign 0.000+/-0.000 χ^2/NDF: 2247455.8/29

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.020+/-0.017 χ^2/NDF:15.7/12

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

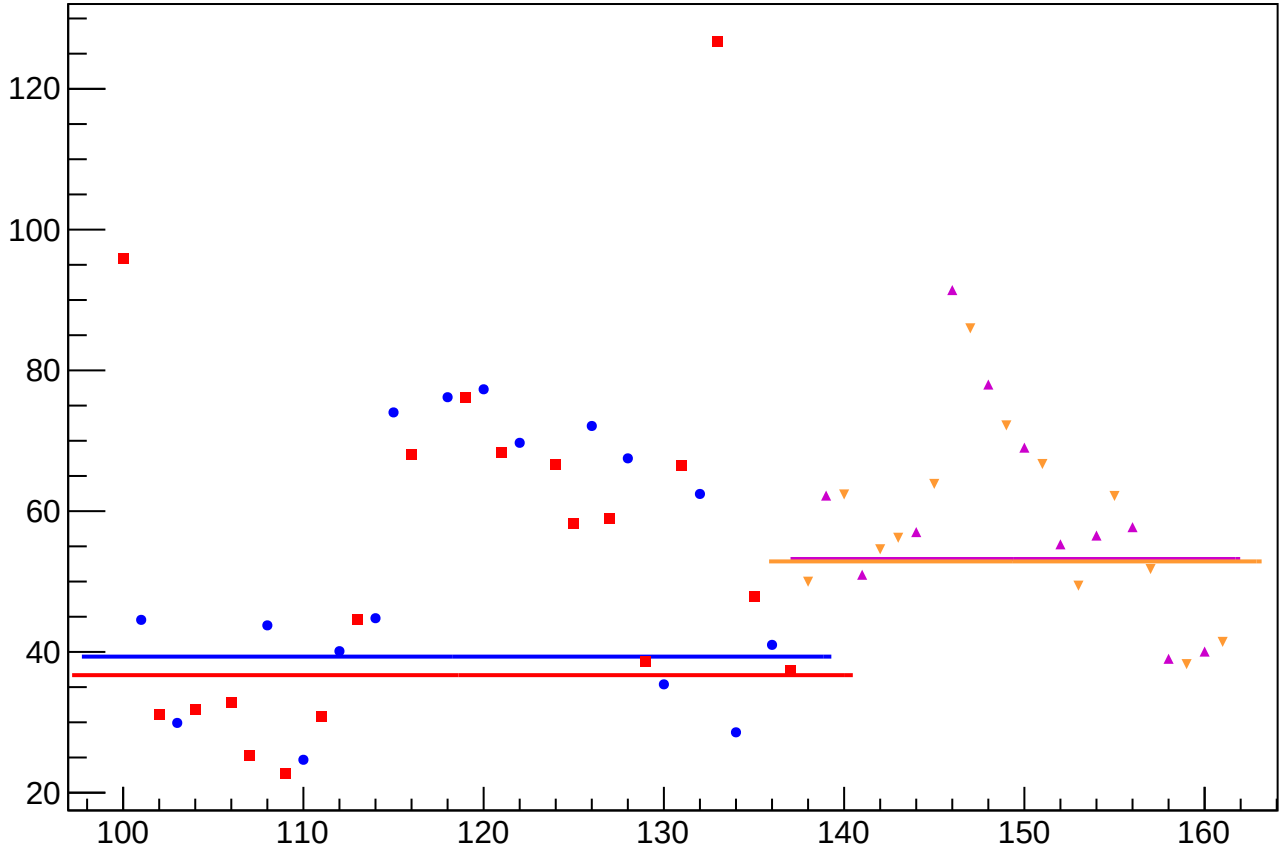
Left In: 0.004+/-0.018 χ^2/NDF:9.4/10

+ sign 0.033+/-0.012 χ^2/NDF: 43.4/28

All: 0.019+/-0.008 χ^2/NDF: 75.8/58

- sign 0.006+/-0.012 χ^2/NDF: 29.6/29

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 52.860+/-0.012 χ^2/NDF:930347.8/12

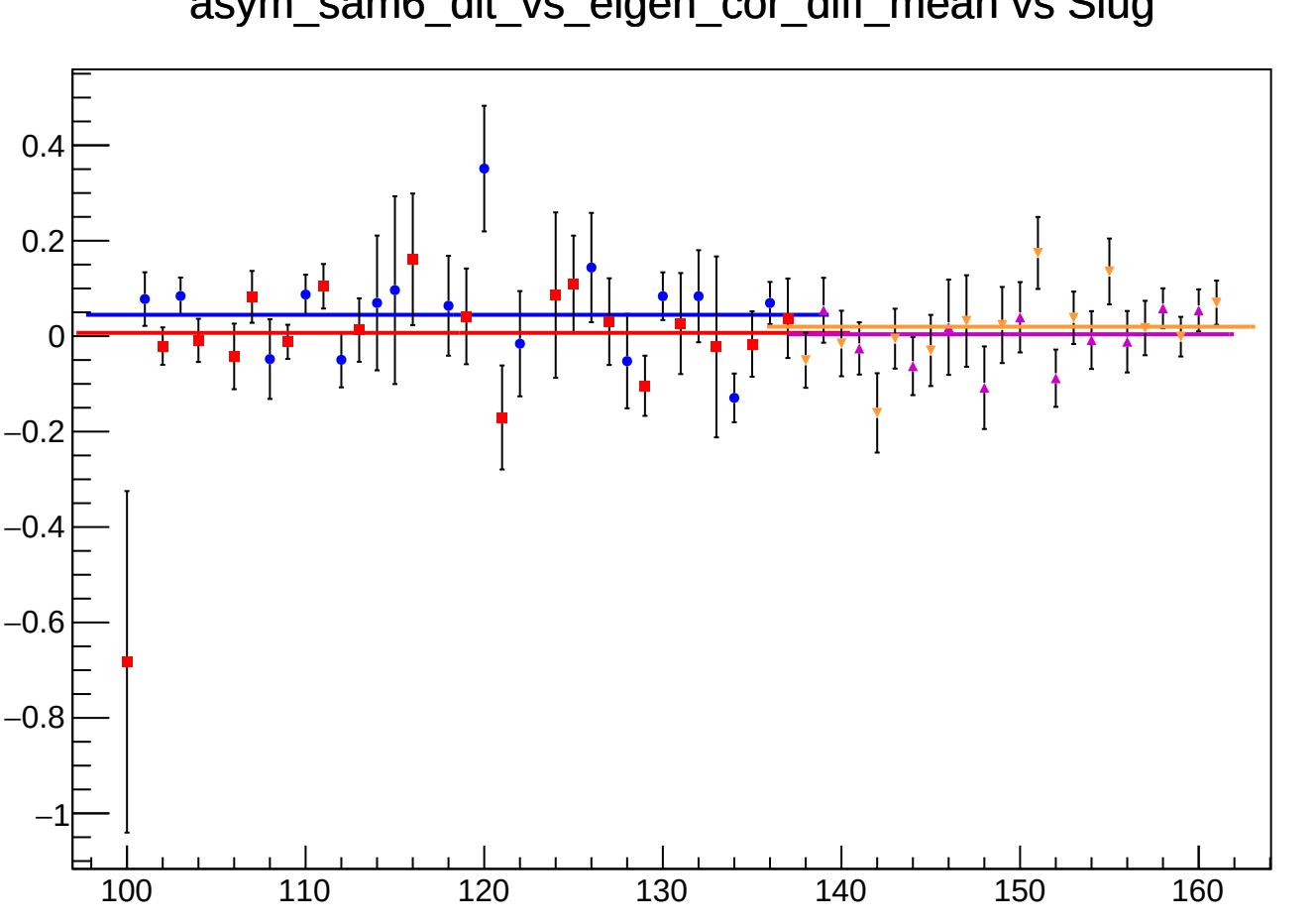
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 53.203+/-0.013 χ^2/NDF:1021205.9/10

+ sign 45.663+/-0.008 χ^2/NDF: 3163828.3/28

All: 44.599+/-0.006 χ^2/NDF: 7306114.1/58

- sign 43.559+/-0.008 χ^2/NDF: 4109476.3/29



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.020+/-0.017 χ^2/NDF:15.7/12

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

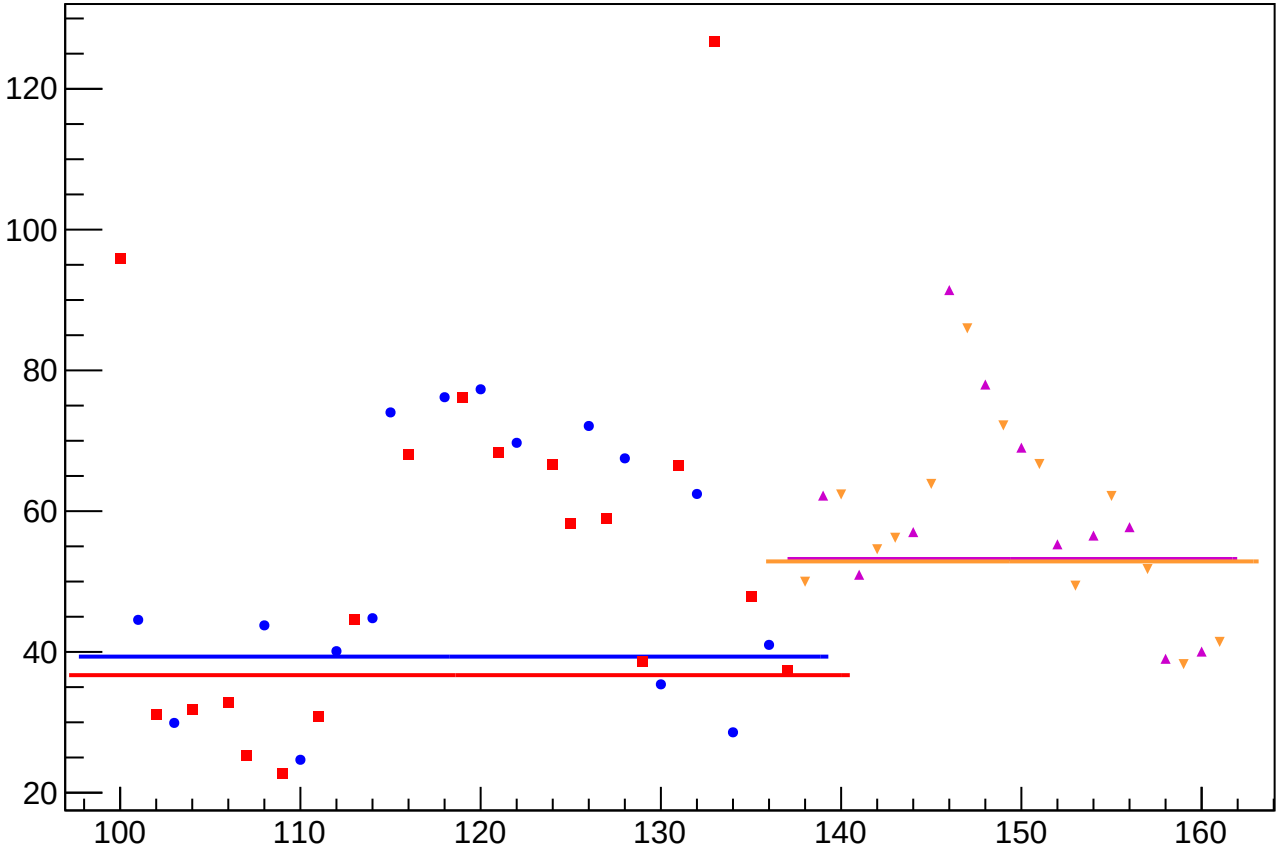
Left In: 0.004+/-0.018 χ^2/NDF:9.4/10

+ sign 0.033+/-0.012 χ^2/NDF: 43.4/28

All: 0.019+/-0.008 χ^2/NDF: 75.8/58

- sign 0.006+/-0.012 χ^2/NDF: 29.6/29

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 52.860+/-0.012 χ^2/NDF:930347.8/12

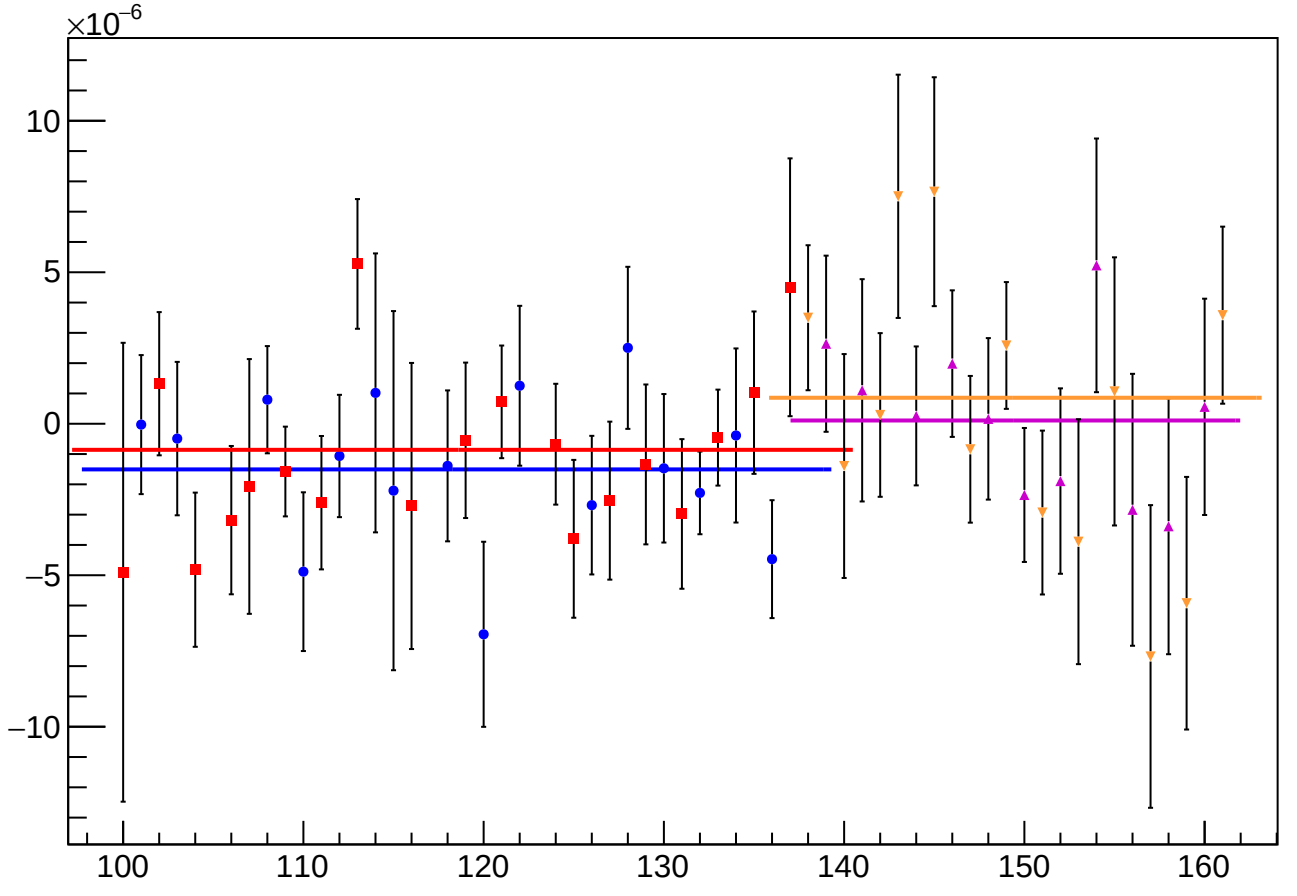
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 53.203+/-0.013 χ^2/NDF:1021205.9/10

+ sign 45.663+/-0.008 χ^2/NDF: 3163828.3/28

All: 44.599+/-0.006 χ^2/NDF: 7306114.1/58

- sign 43.559+/-0.008 χ^2/NDF: 4109476.3/29



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/12

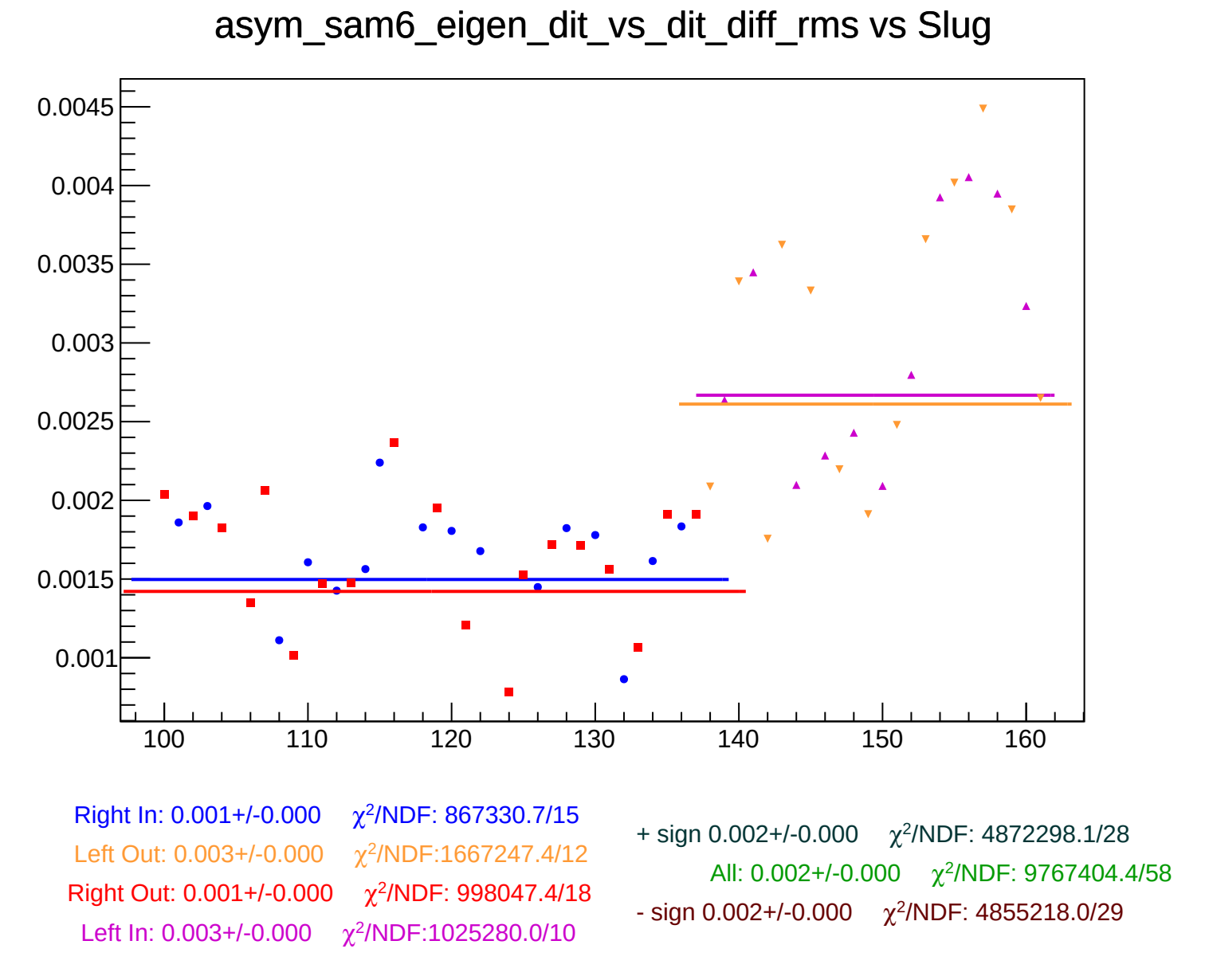
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

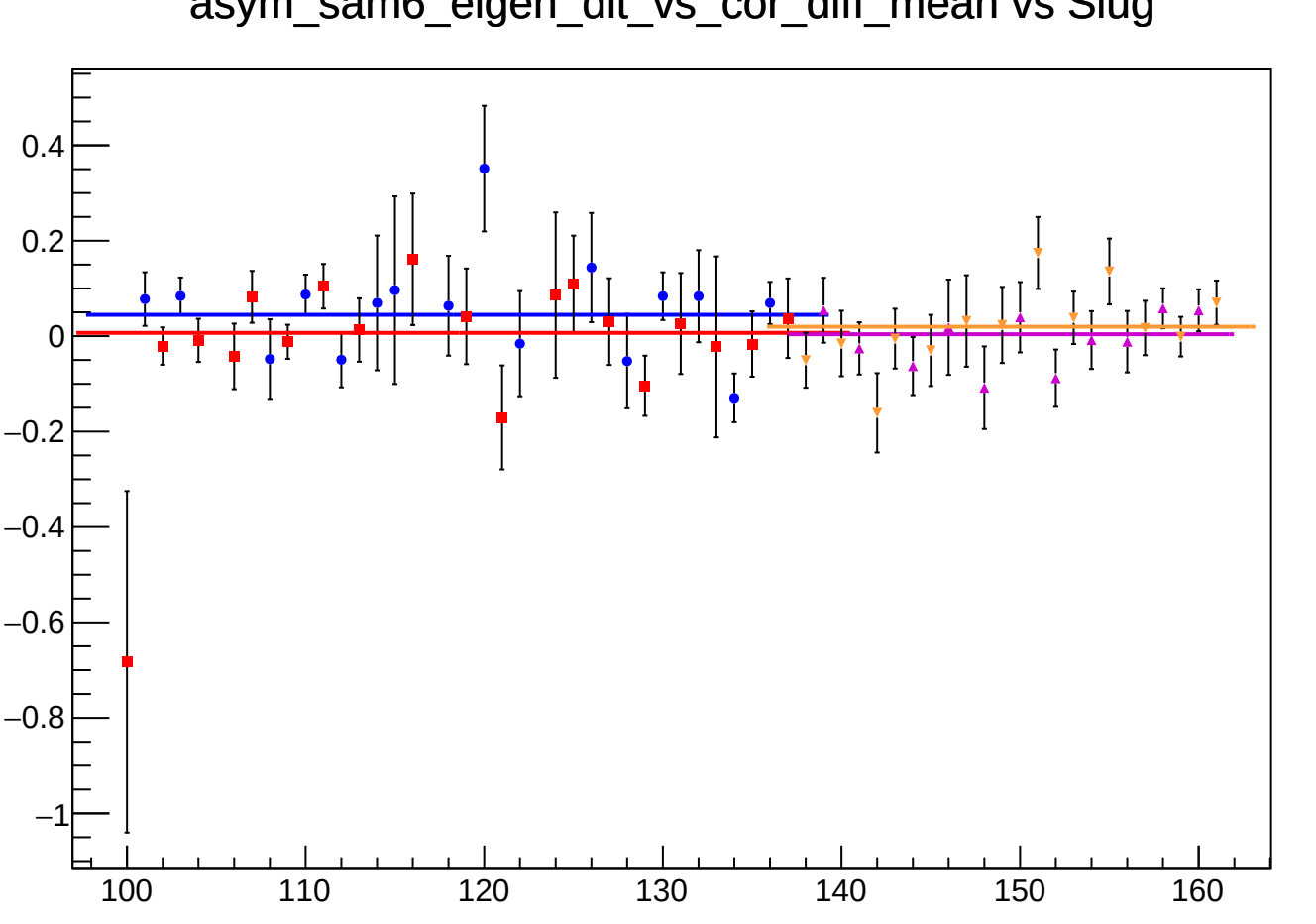
Left In: 0.000+/-0.000 χ^2/NDF:5.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 37.7/28

All: -0.000+/-0.000 χ^2/NDF: 63.5/58

- sign -0.000+/-0.000 χ^2/NDF: 25.7/29


asym_sam6_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
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:1667247.4/12
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1025280.0/10
+ sign 0.002+/-0.000 χ²/NDF: 4872298.1/28
All: 0.002+/-0.000 χ²/NDF: 9767404.4/58
- sign 0.002+/-0.000 χ²/NDF: 4855218.0/29



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.020+/-0.017 χ^2/NDF:15.7/12

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

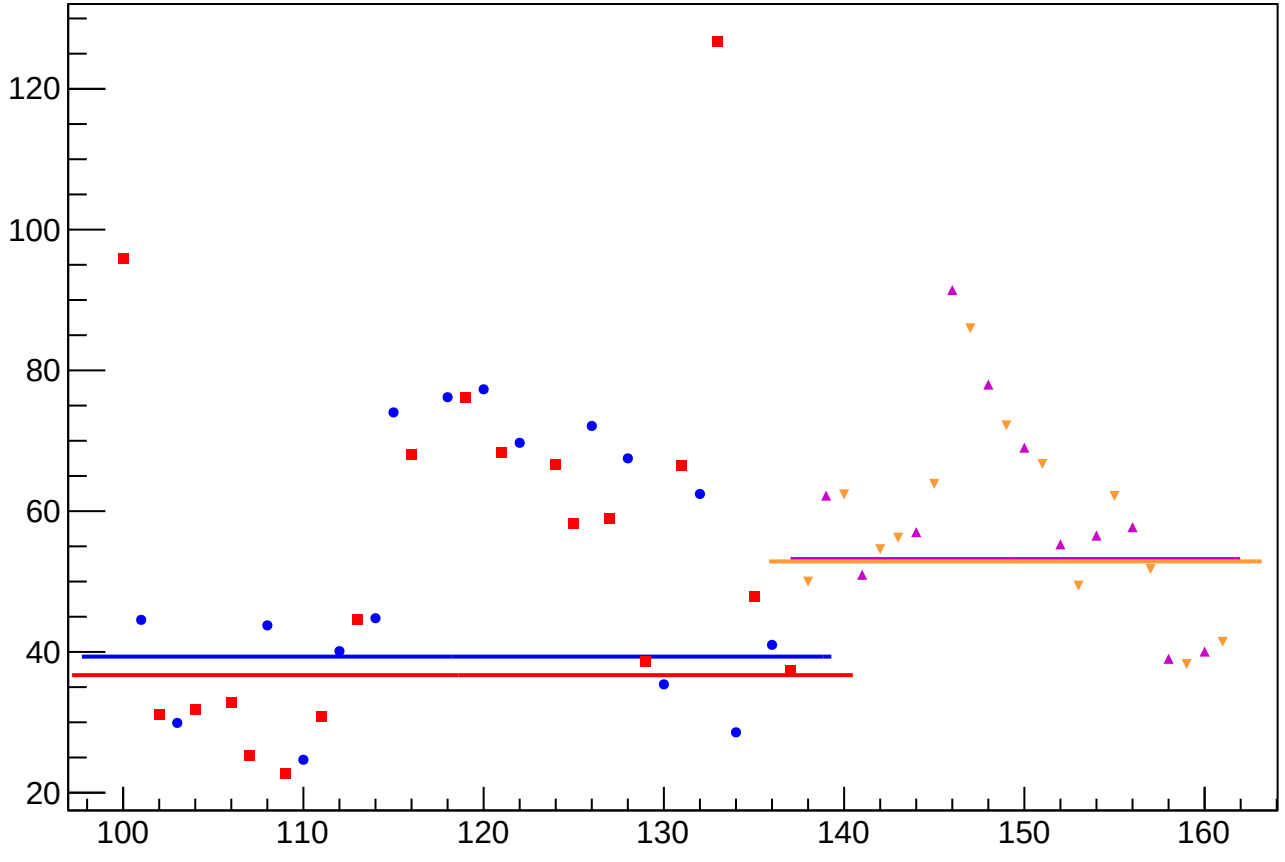
Left In: 0.004+/-0.018 χ^2/NDF:9.4/10

+ sign 0.033+/-0.012 χ^2/NDF: 43.4/28

All: 0.019+/-0.008 χ^2/NDF: 75.8/58

- sign 0.006+/-0.012 χ^2/NDF: 29.6/29

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 52.859+/-0.012 χ^2/NDF:930424.9/12

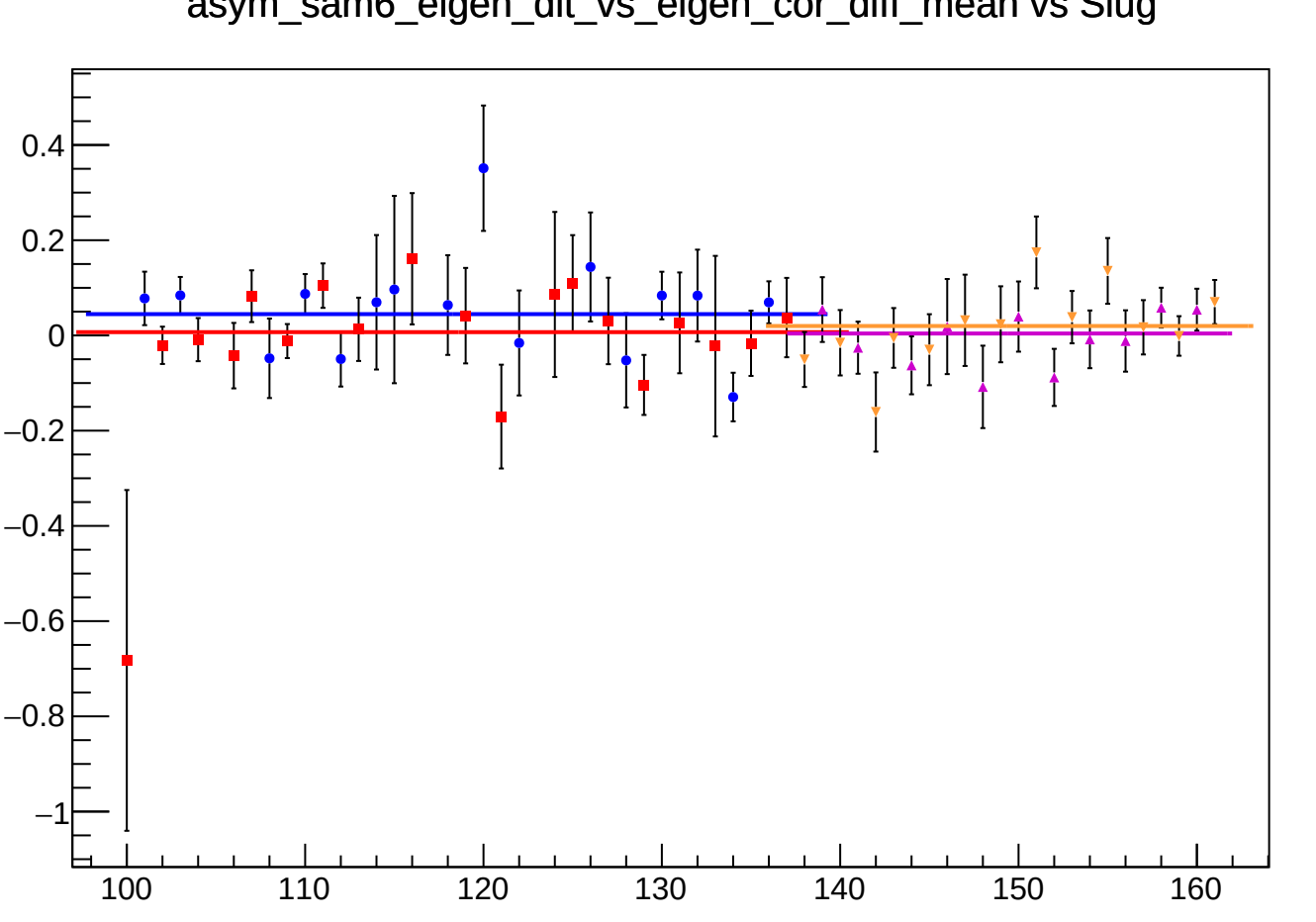
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 53.202+/-0.013 χ^2/NDF:1021328.3/10

\+ sign 45.663+/-0.008 χ^2/NDF: 3163892.1/28

All: 44.598+/-0.006 χ^2/NDF: 7306198.9/58

\- sign 43.558+/-0.008 χ^2/NDF: 4109502.1/29



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.020+/-0.017 χ^2/NDF:15.7/12

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

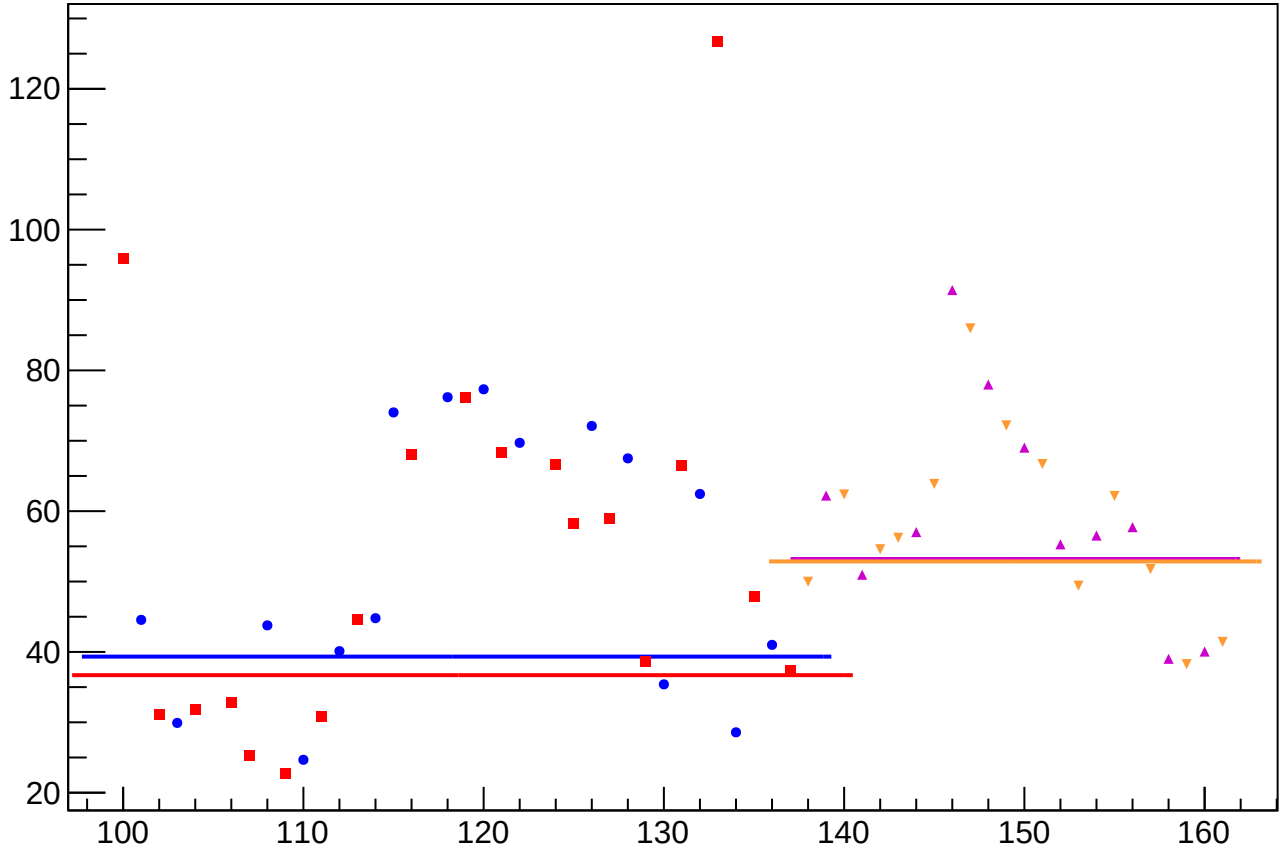
Left In: 0.004+/-0.018 χ^2/NDF:9.4/10

+ sign 0.033+/-0.012 χ^2/NDF: 43.4/28

All: 0.019+/-0.008 χ^2/NDF: 75.8/58

- sign 0.006+/-0.012 χ^2/NDF: 29.6/29

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 52.859+/-0.012 χ^2/NDF:930424.9/12

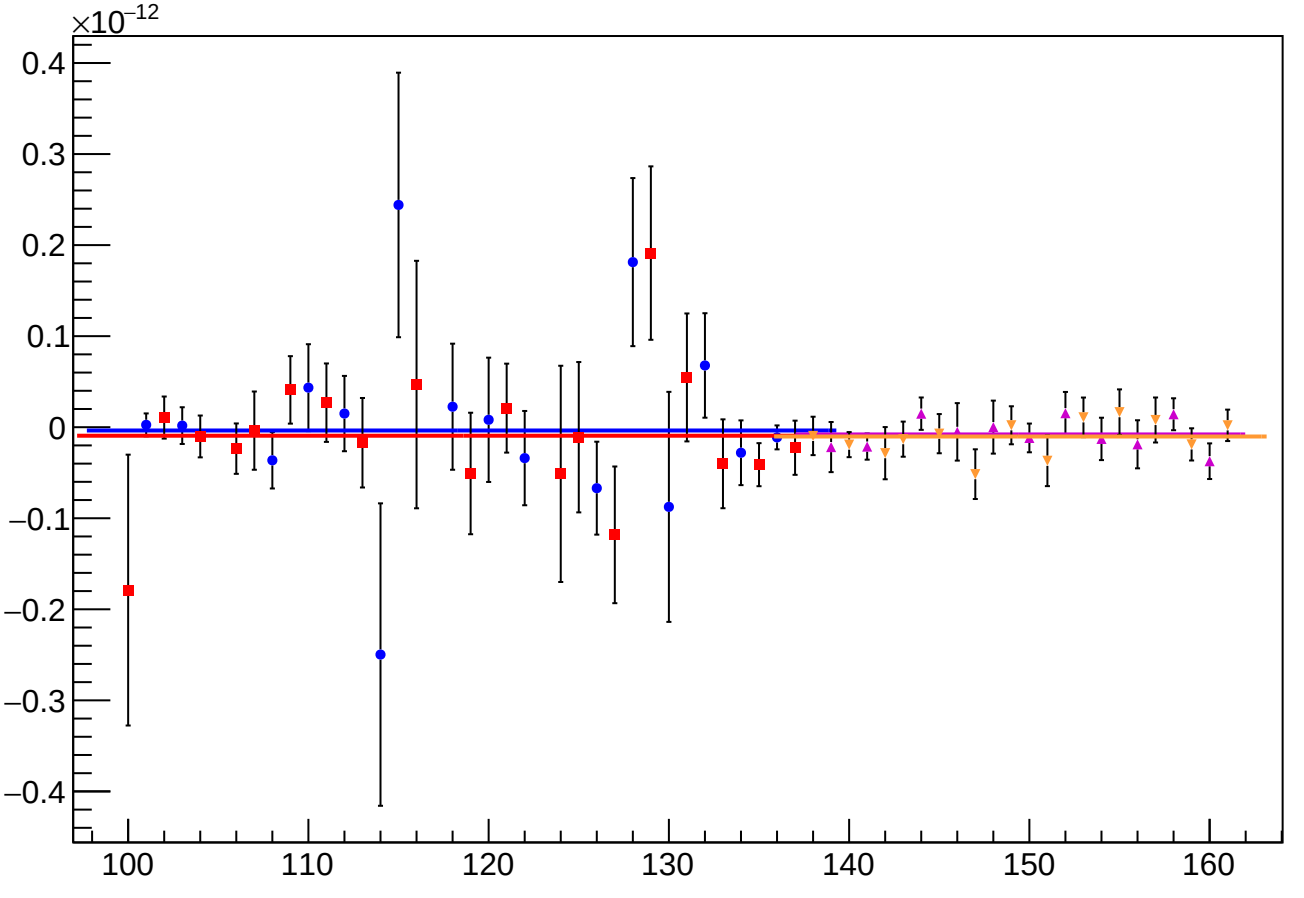
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 53.202+/-0.013 χ^2/NDF:1021328.3/10

\+ sign 45.663+/-0.008 χ^2/NDF: 3163892.1/28

All: 44.598+/-0.006 χ^2/NDF: 7306198.9/58

\- sign 43.558+/-0.008 χ^2/NDF: 4109502.1/29



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

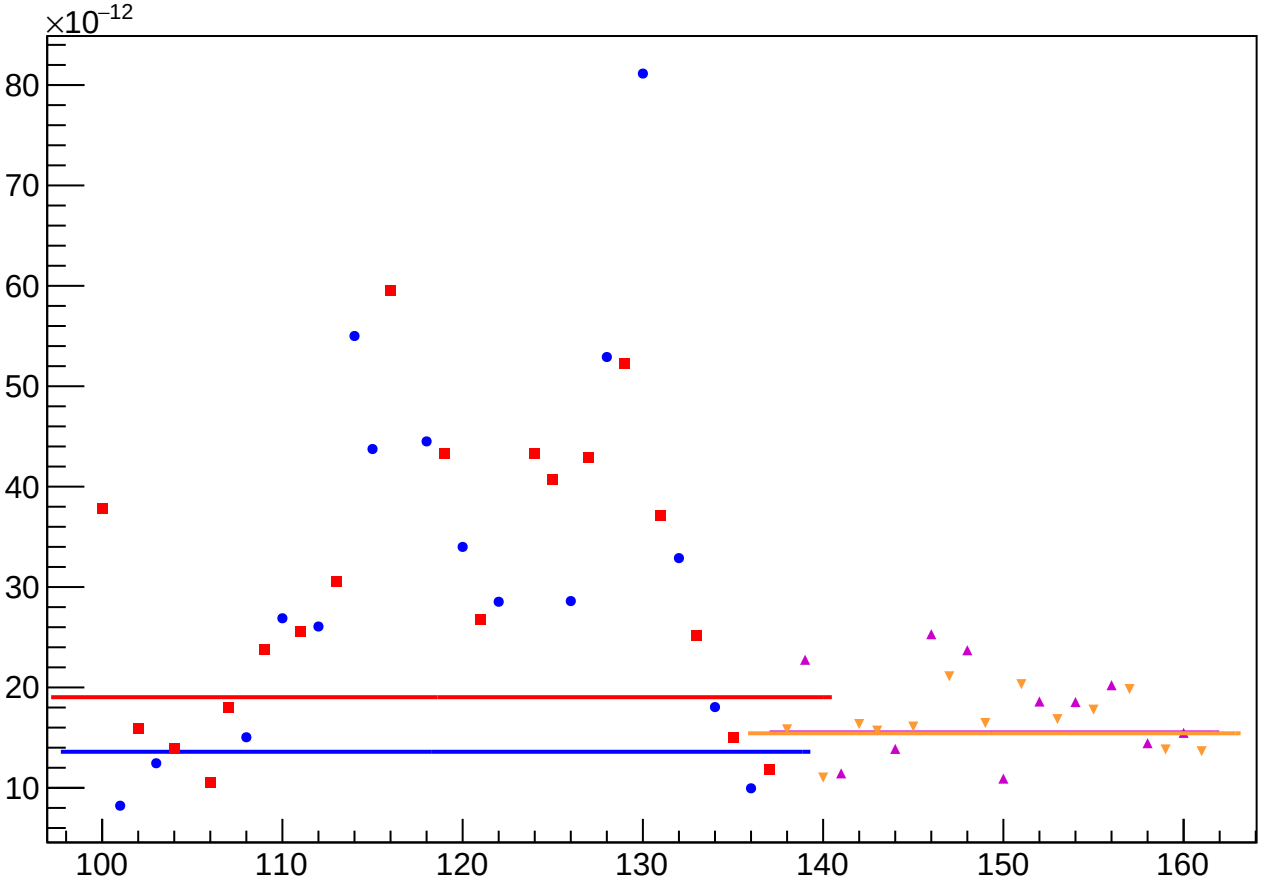
Left In: -0.000+/-0.000 χ^2/NDF:8.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 24.9/28

All: -0.000+/-0.000 χ^2/NDF: 48.6/58

- sign -0.000+/-0.000 χ^2/NDF: 23.7/29

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:490193.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

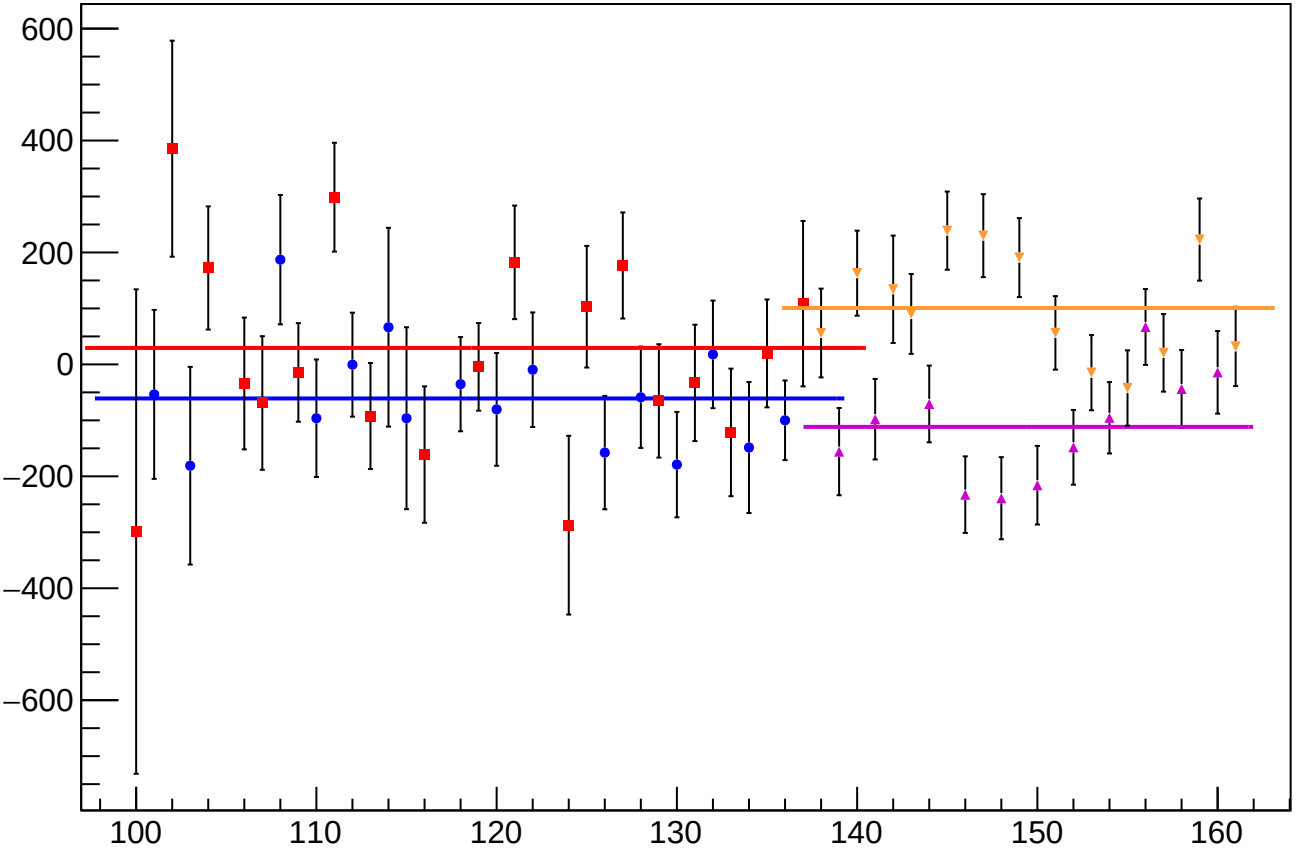
Left In: 0.000+/-0.000 χ^2/NDF:976350.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 3756947.1/28

All: 0.000+/-0.000 χ^2/NDF: 7143520.0/58

- sign 0.000+/-0.000 χ^2/NDF: 3230118.0/29

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 100.777+/-20.032 χ^2/NDF:22.7/12

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

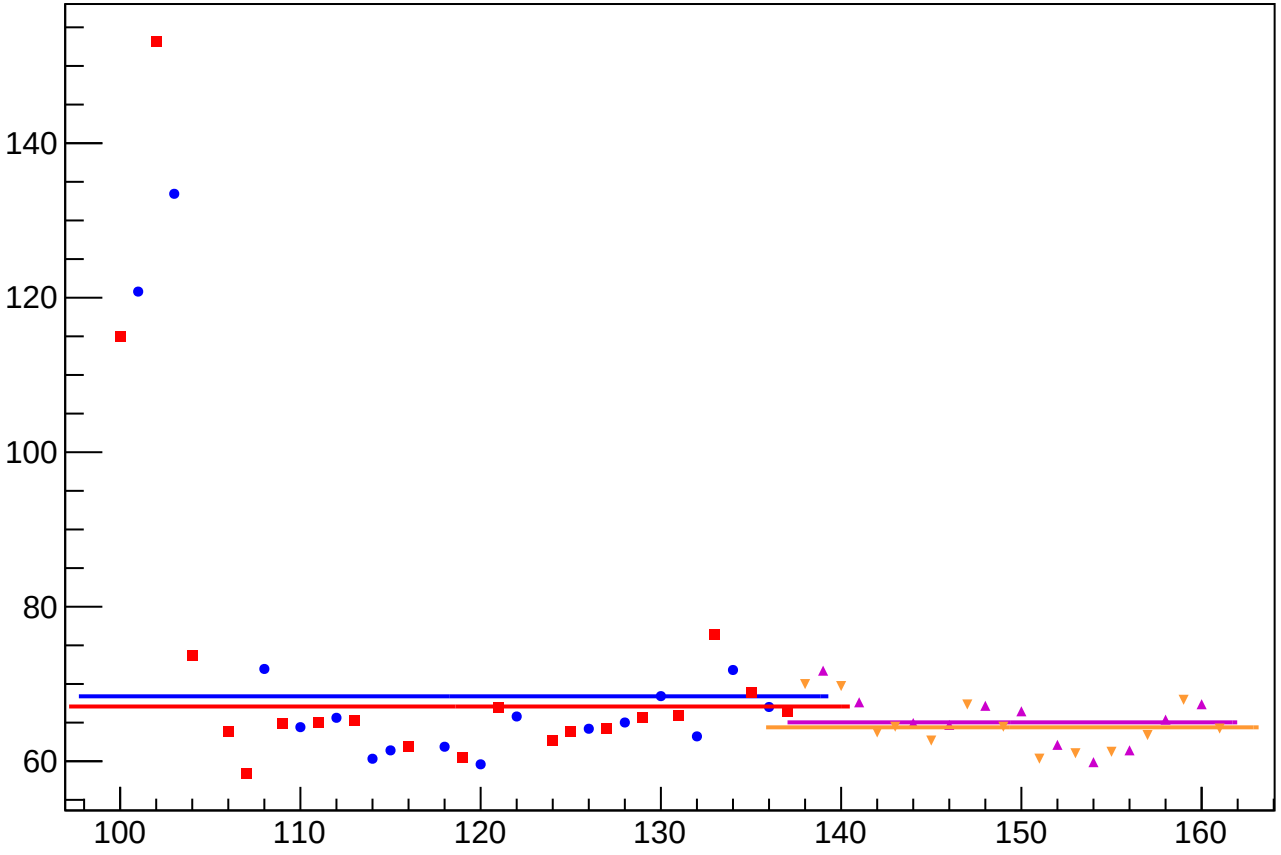
Left In: -111.644+/-21.079 χ^2/NDF:19.1/10

+ sign 40.729+/-15.881 χ^2/NDF: 57.5/28

All: -5.517+/-11.321 χ^2/NDF: 143.5/58

- sign -53.305+/-16.143 χ^2/NDF: 68.8/29

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.389+/-0.014 χ^2/NDF:46522.6/12

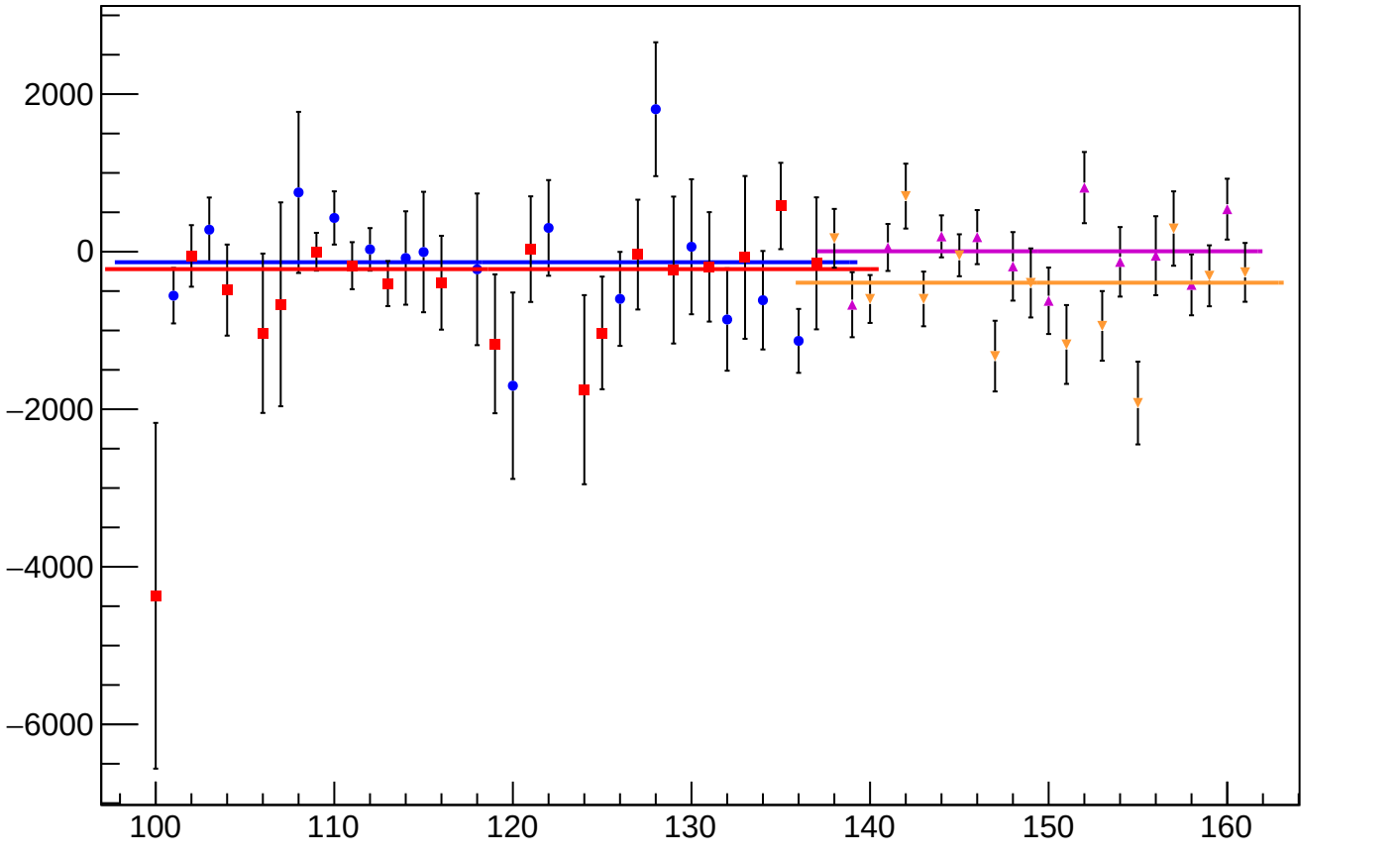
Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 65.033+/-0.015 χ^2/NDF:44556.0/10

+ sign 65.880+/-0.011 χ^2/NDF: 645926.8/28

All: 65.881+/-0.008 χ^2/NDF: 1180138.6/58

- sign 65.882+/-0.011 χ^2/NDF: 534211.8/29



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -393.694+/-106.872 χ^2/NDF:31.0/12

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

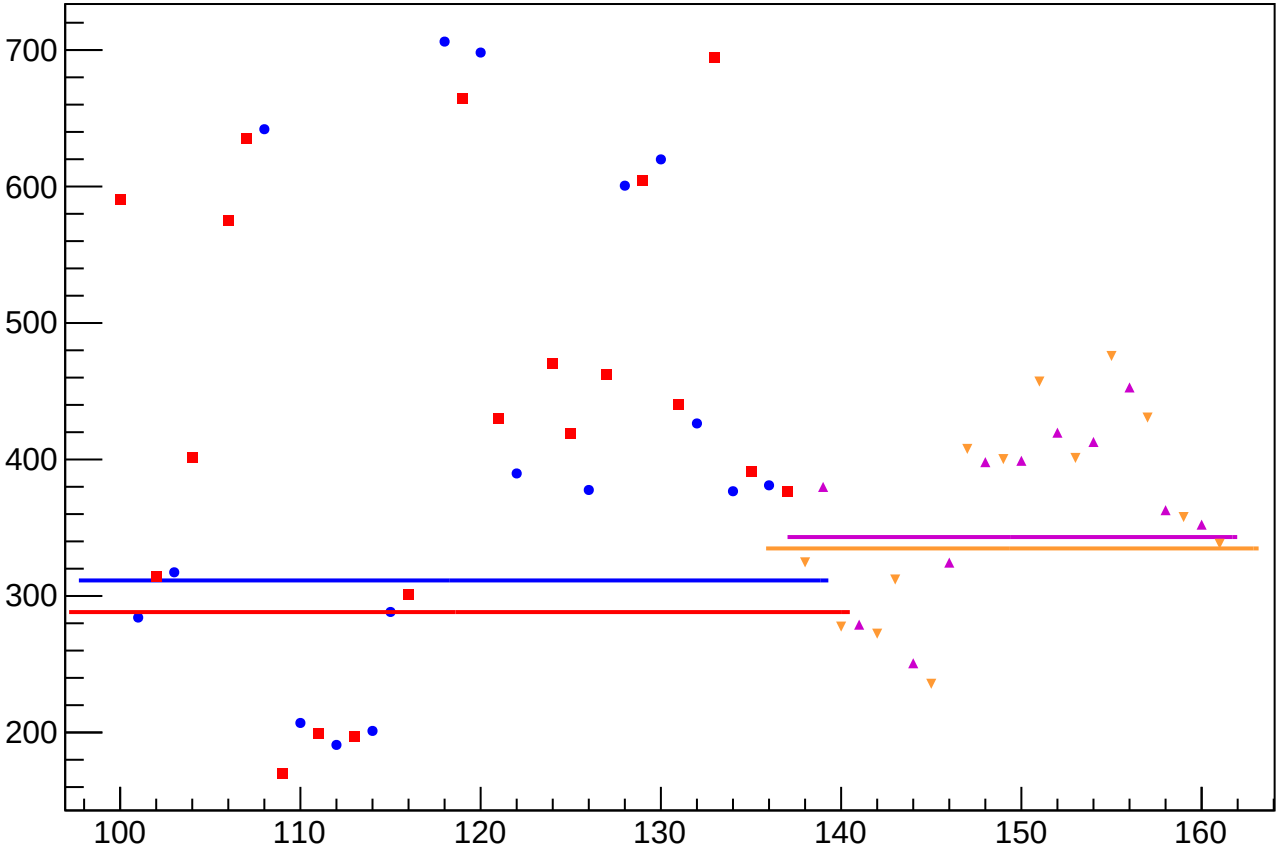
Left In: 5.262+/-113.253 χ^2/NDF:12.3/10

+ sign -284.767+/-81.476 χ^2/NDF: 55.9/28

All: -194.356+/-57.669 χ^2/NDF: 85.2/58

- sign -103.590+/-81.636 χ^2/NDF: 26.8/29

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 334.833+/-0.076 χ^2/NDF:900027.9/12

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

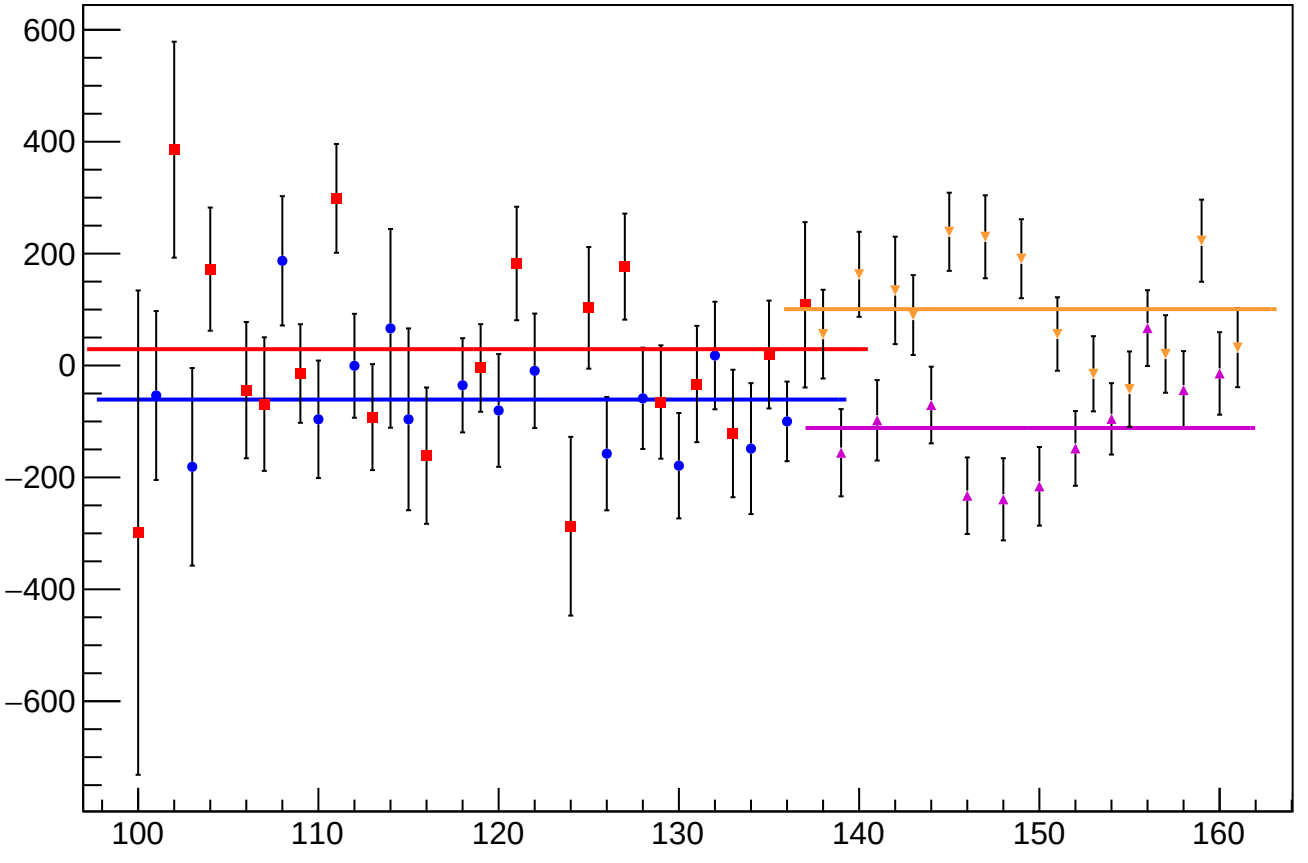
Left In: 343.176+/-0.080 χ^2/NDF:630947.3/10

+ sign 325.014+/-0.058 χ^2/NDF: 3064140.8/28

All: 320.899+/-0.041 χ^2/NDF: 6647056.5/58

- sign 316.768+/-0.058 χ^2/NDF: 3572692.4/29

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 100.777+/-20.032 χ^2/NDF:22.7/12

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

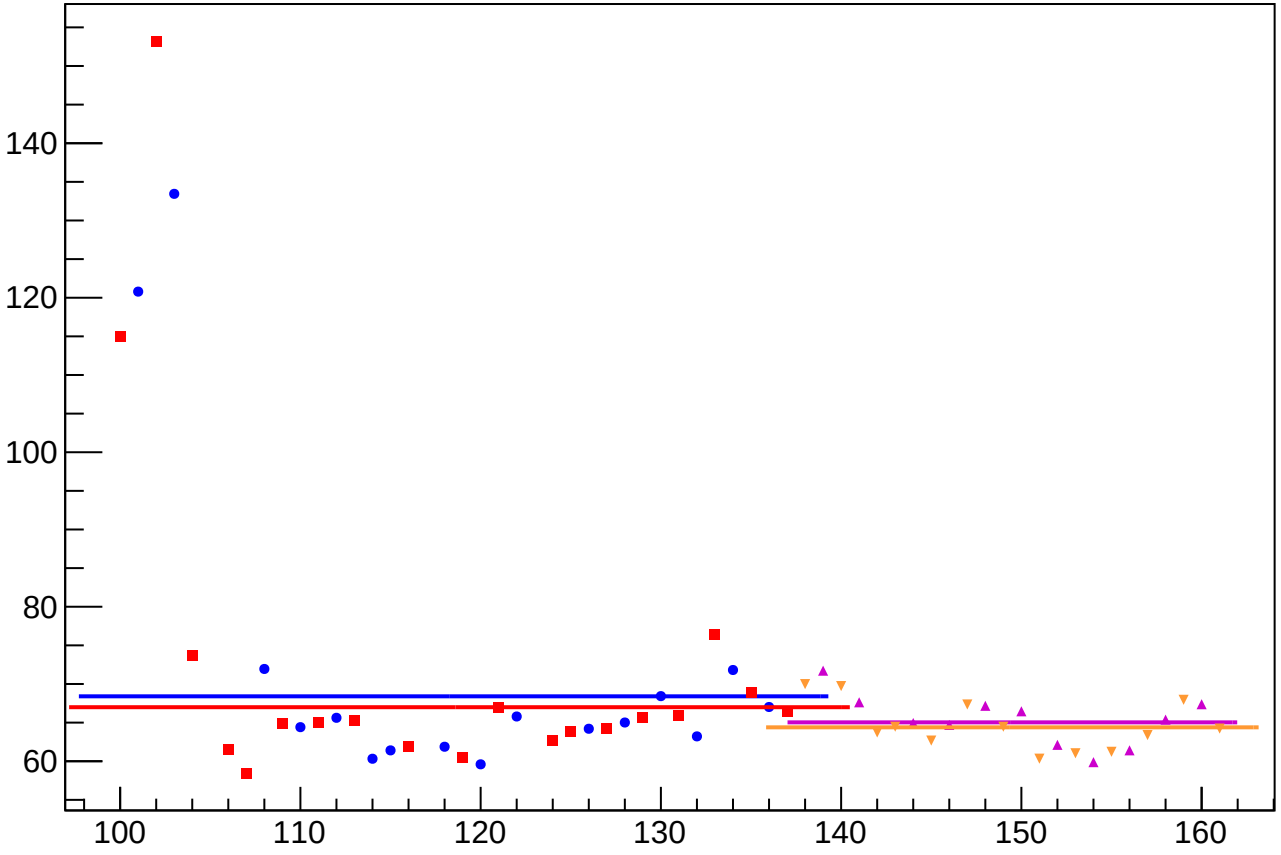
Left In: -111.644+/-21.079 χ^2/NDF:19.1/10

+ sign 40.728+/-15.881 χ^2/NDF: 57.5/28

All: -5.586+/-11.324 χ^2/NDF: 143.5/58

- sign -53.503+/-16.153 χ^2/NDF: 68.8/29

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.389+/-0.014 χ^2/NDF:46522.6/12

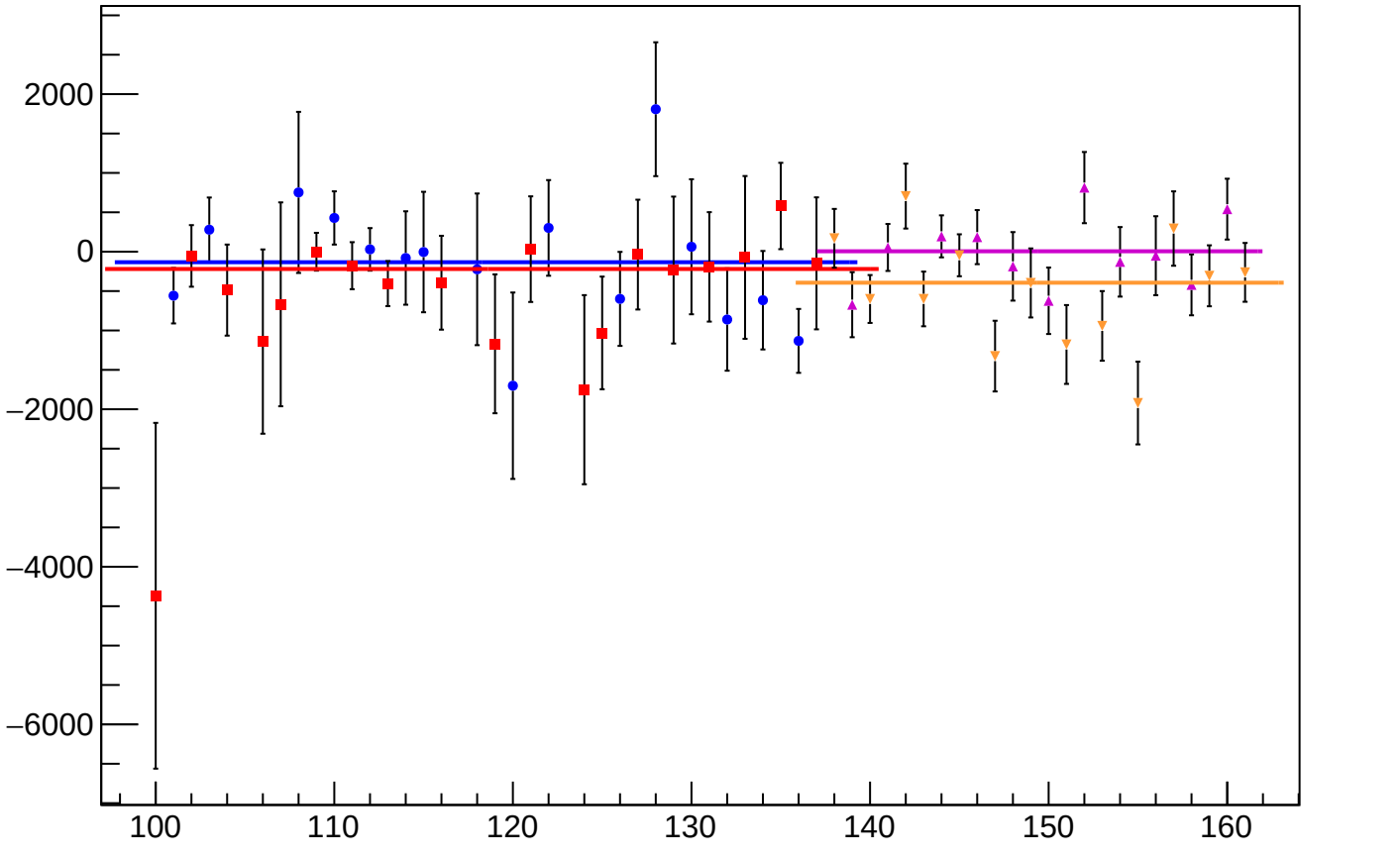
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 65.033+/-0.015 χ^2/NDF:44556.0/10

+ sign 65.880+/-0.011 χ^2/NDF: 645927.2/28

All: 65.862+/-0.008 χ^2/NDF: 1182123.7/58

- sign 65.843+/-0.011 χ^2/NDF: 536191.1/29



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -393.693+/-106.872 χ^2/NDF:31.0/12

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

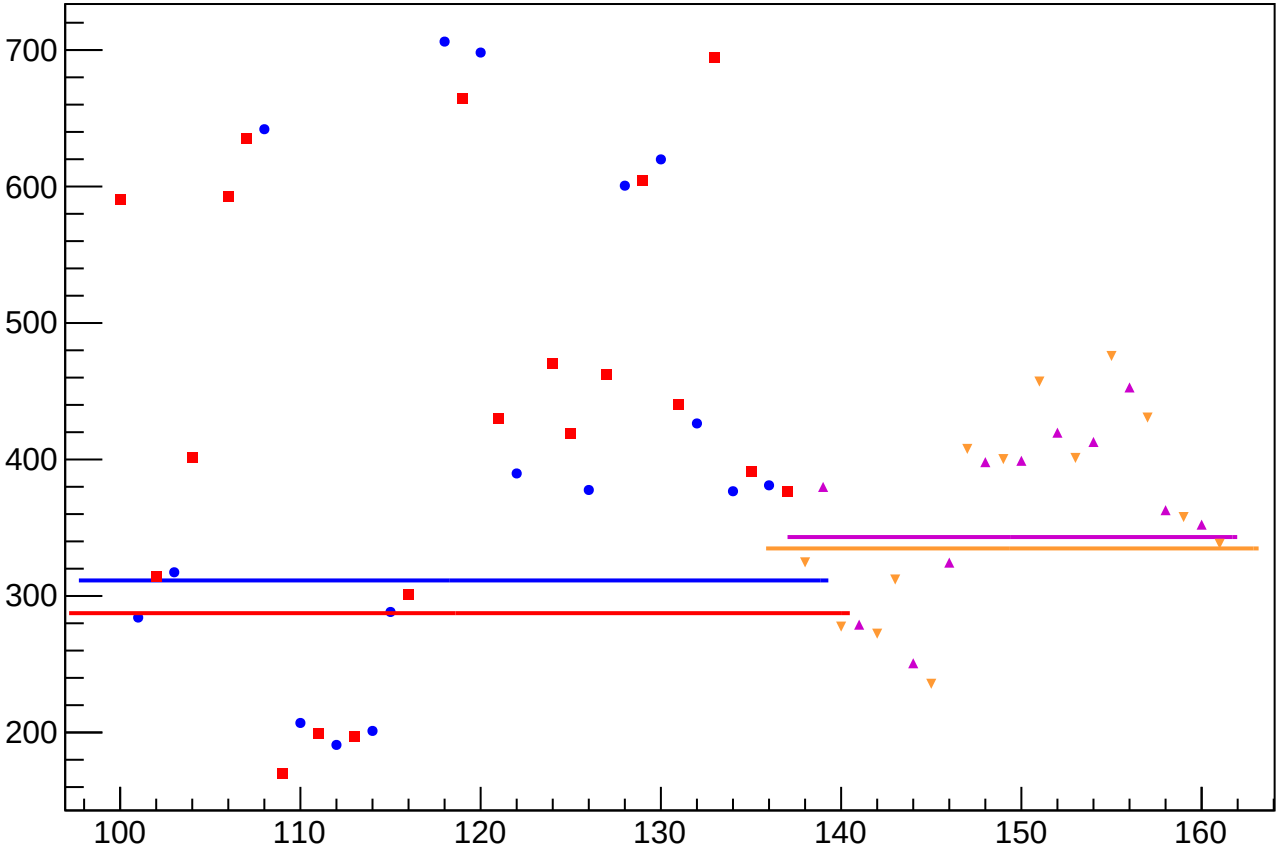
Left In: 5.266+/-113.253 χ^2/NDF:12.3/10

+ sign -284.766+/-81.477 χ^2/NDF: 55.9/28

All: -193.923+/-57.693 χ^2/NDF: 85.2/58

- sign -102.571+/-81.705 χ^2/NDF: 26.8/29

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 334.833+/-0.076 χ^2/NDF:900033.2/12

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

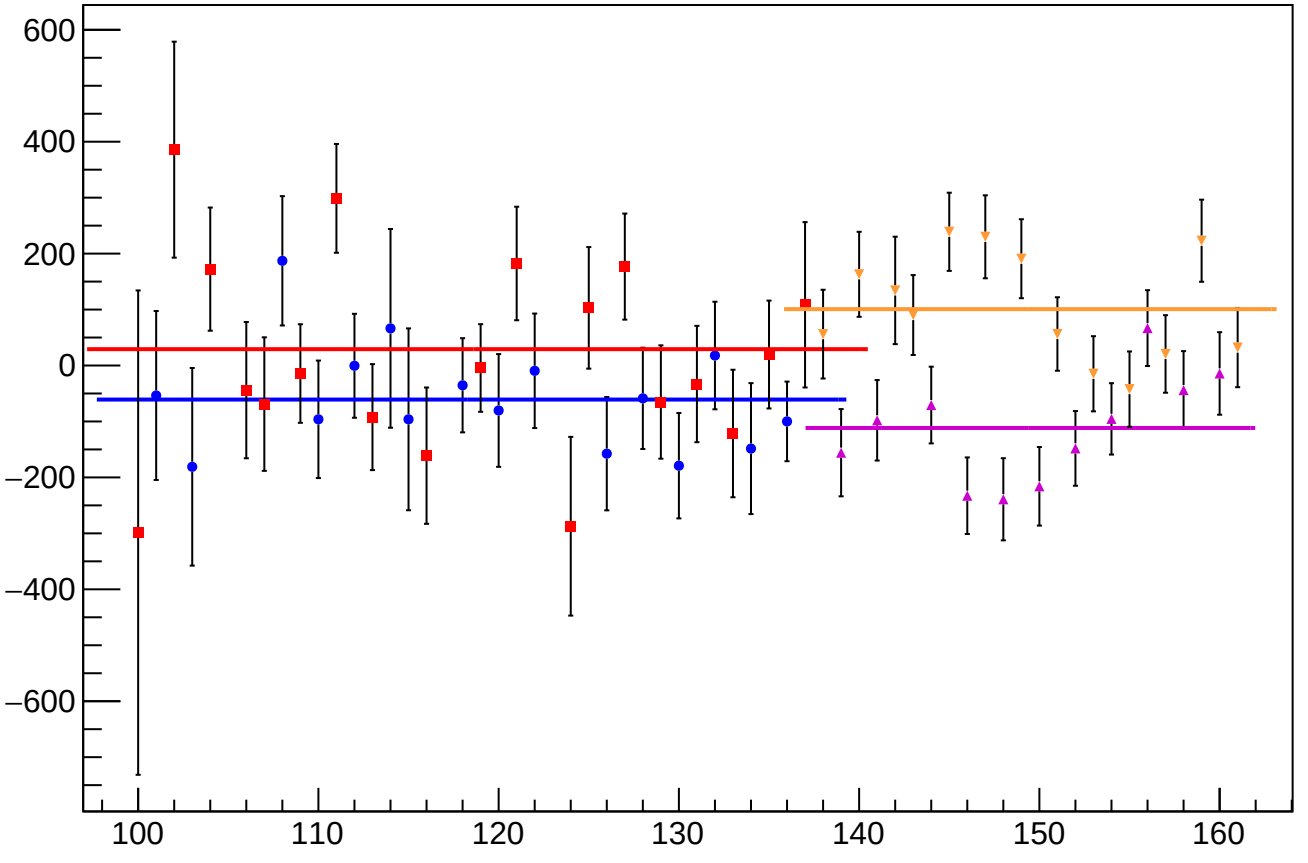
Left In: 343.176+/-0.080 χ^2/NDF:630944.3/10

+ sign 325.015+/-0.058 χ^2/NDF: 3064139.8/28

All: 320.738+/-0.041 χ^2/NDF: 6628905.0/58

- sign 316.436+/-0.058 χ^2/NDF: 3553711.1/29

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 100.777+/-20.032 χ^2/NDF:22.7/12

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

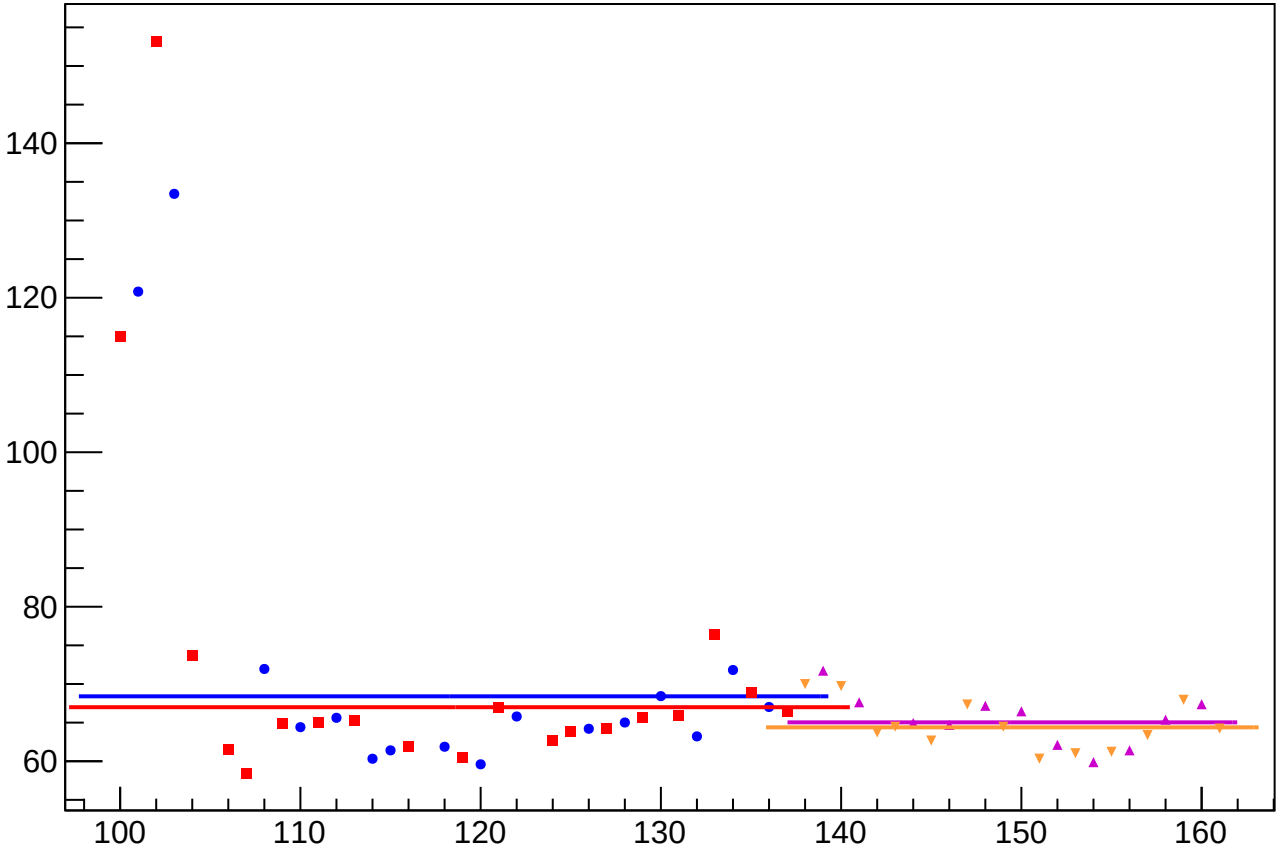
Left In: -111.644+/-21.079 χ^2/NDF:19.1/10

+ sign 40.728+/-15.881 χ^2/NDF: 57.5/28

All: -5.586+/-11.324 χ^2/NDF: 143.5/58

- sign -53.503+/-16.153 χ^2/NDF: 68.8/29

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.389+/-0.014 χ^2/NDF:46522.6/12

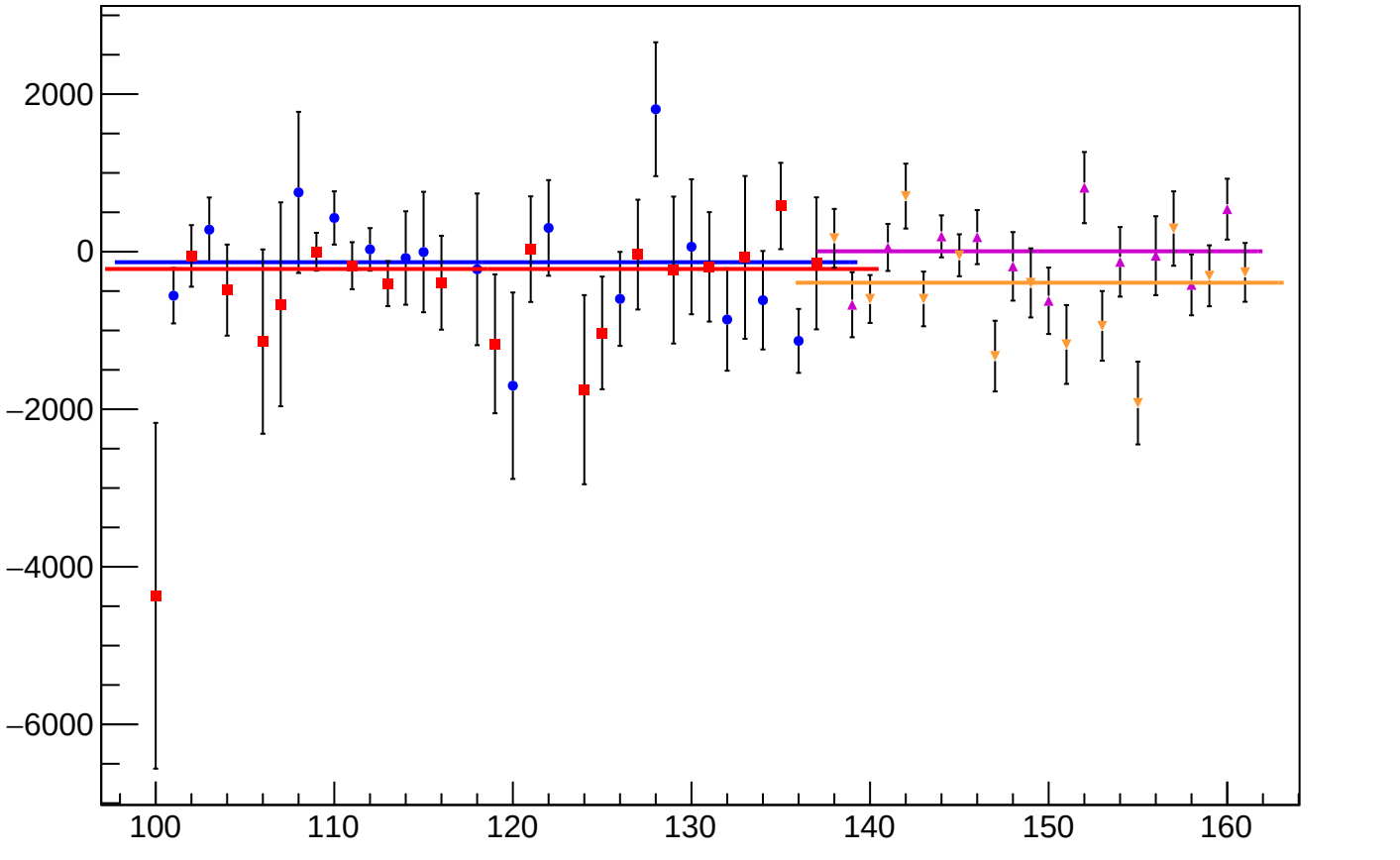
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 65.033+/-0.015 χ^2/NDF:44556.0/10

+ sign 65.880+/-0.011 χ^2/NDF: 645927.2/28

All: 65.862+/-0.008 χ^2/NDF: 1182123.7/58

- sign 65.843+/-0.011 χ^2/NDF: 536191.1/29



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -393.693+/-106.872 χ^2/NDF:31.0/12

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

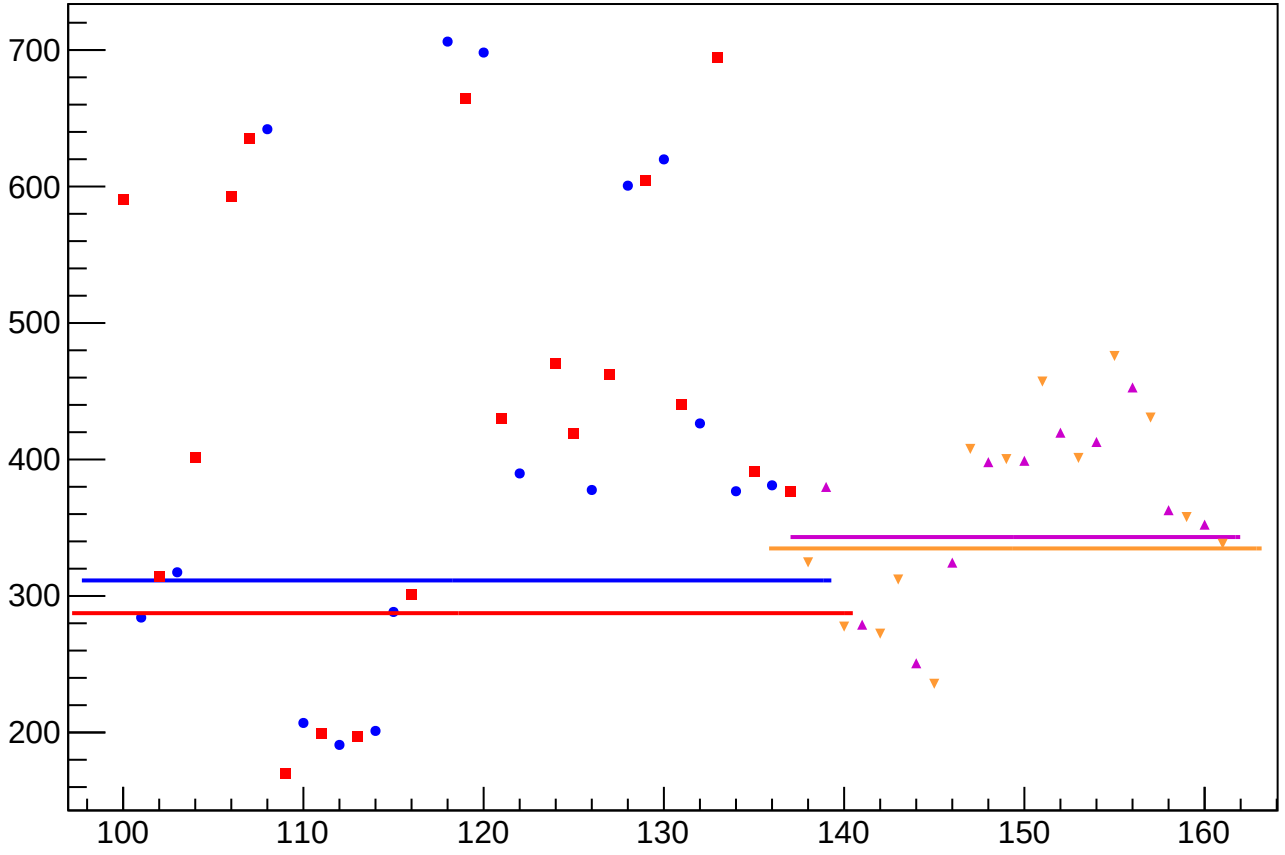
Left In: 5.266+/-113.253 χ^2/NDF:12.3/10

+ sign -284.766+/-81.477 χ^2/NDF: 55.9/28

All: -193.923+/-57.693 χ^2/NDF: 85.2/58

- sign -102.571+/-81.705 χ^2/NDF: 26.8/29

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 334.833+/-0.076 χ^2/NDF:900033.2/12

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

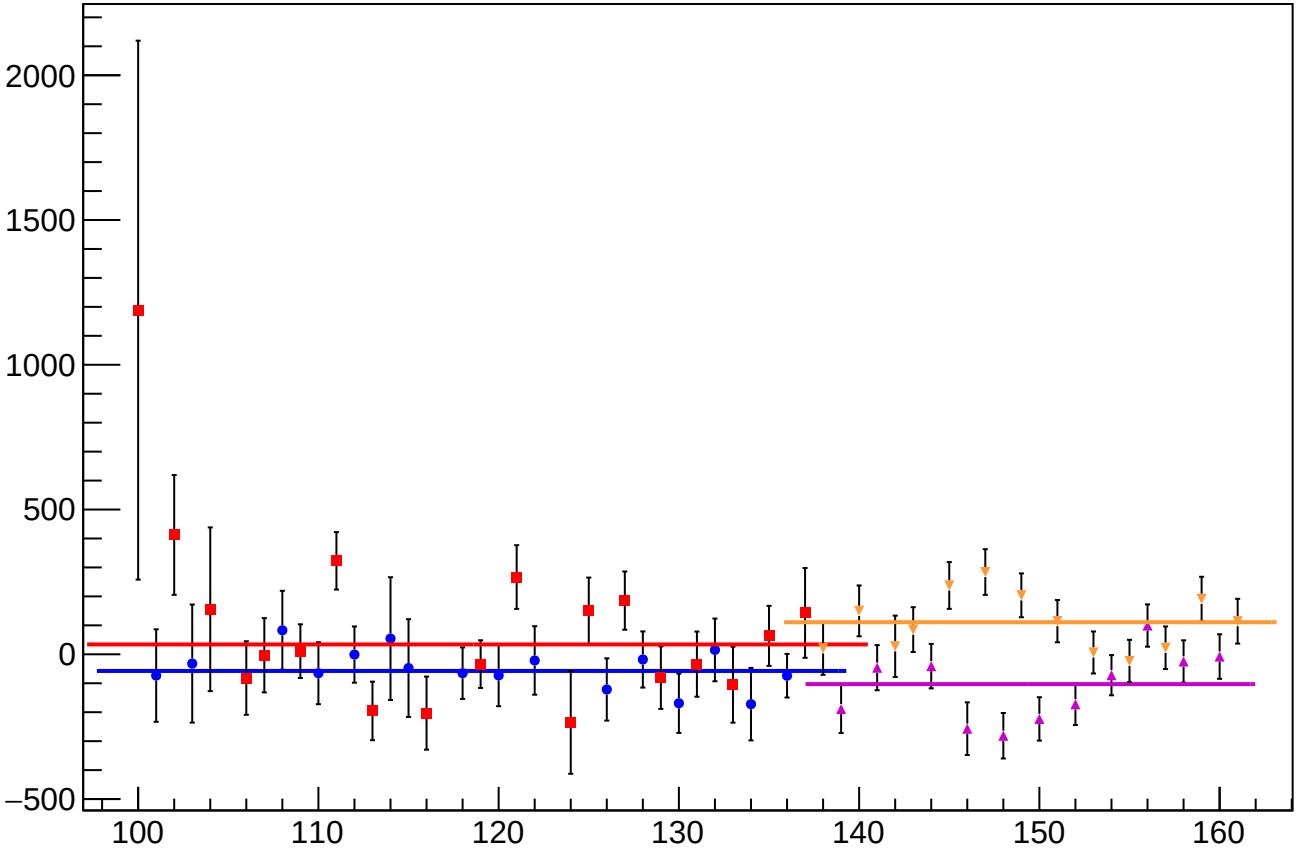
Left In: 343.176+/-0.080 χ^2/NDF:630944.3/10

+ sign 325.015+/-0.058 χ^2/NDF: 3064139.8/28

All: 320.738+/-0.041 χ^2/NDF: 6628905.0/58

- sign 316.436+/-0.058 χ^2/NDF: 3553711.1/29

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 110.877+/-21.920 χ^2/NDF:18.7/12

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

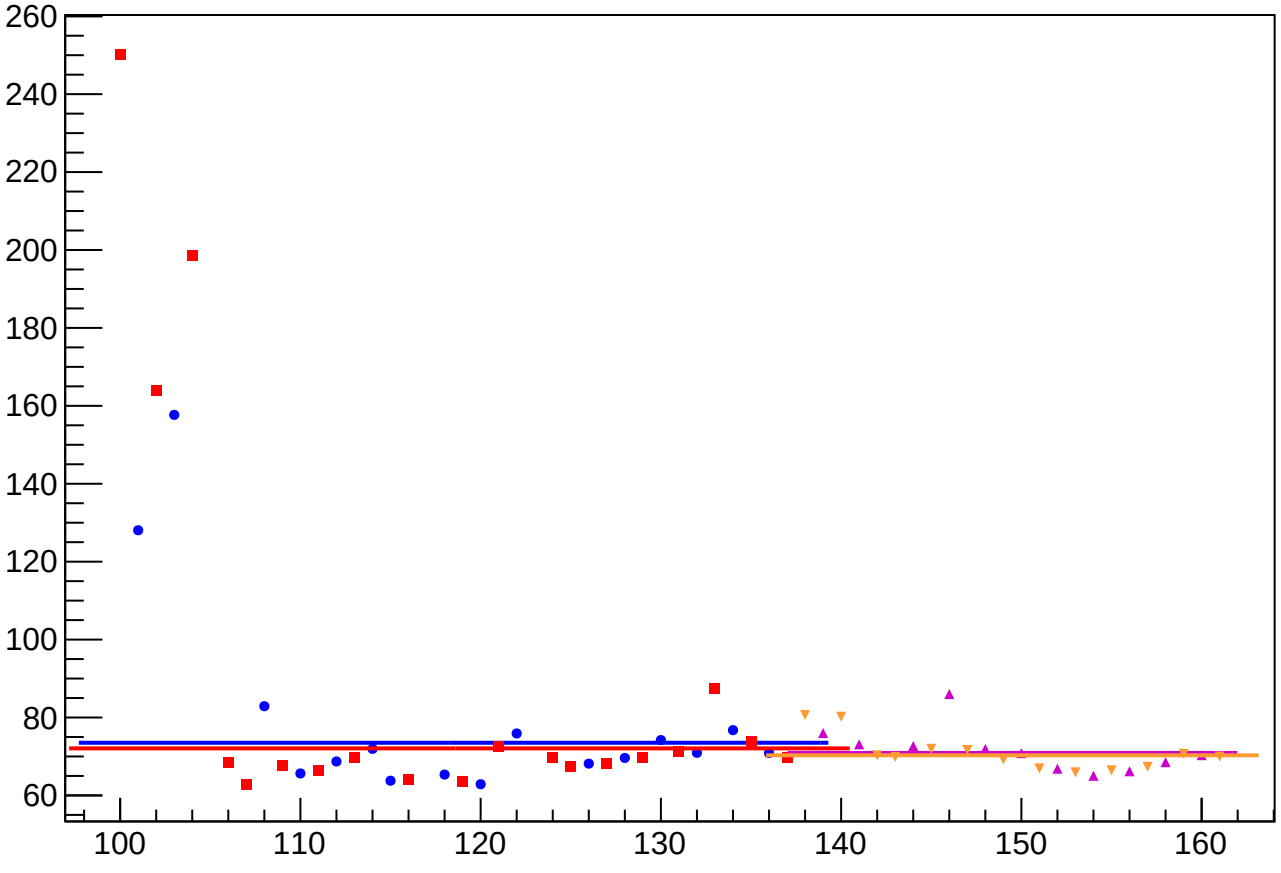
Left In: -102.993+/-23.019 χ^2/NDF:24.4/10

\+ sign 47.130+/-17.280 χ^2/NDF: 45.9/28

All: 1.339+/-12.339 χ^2/NDF: 136.4/58

\- sign -46.293+/-17.624 χ^2/NDF: 76.2/29

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.297+/-0.015 χ^2/NDF:73096.5/12

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

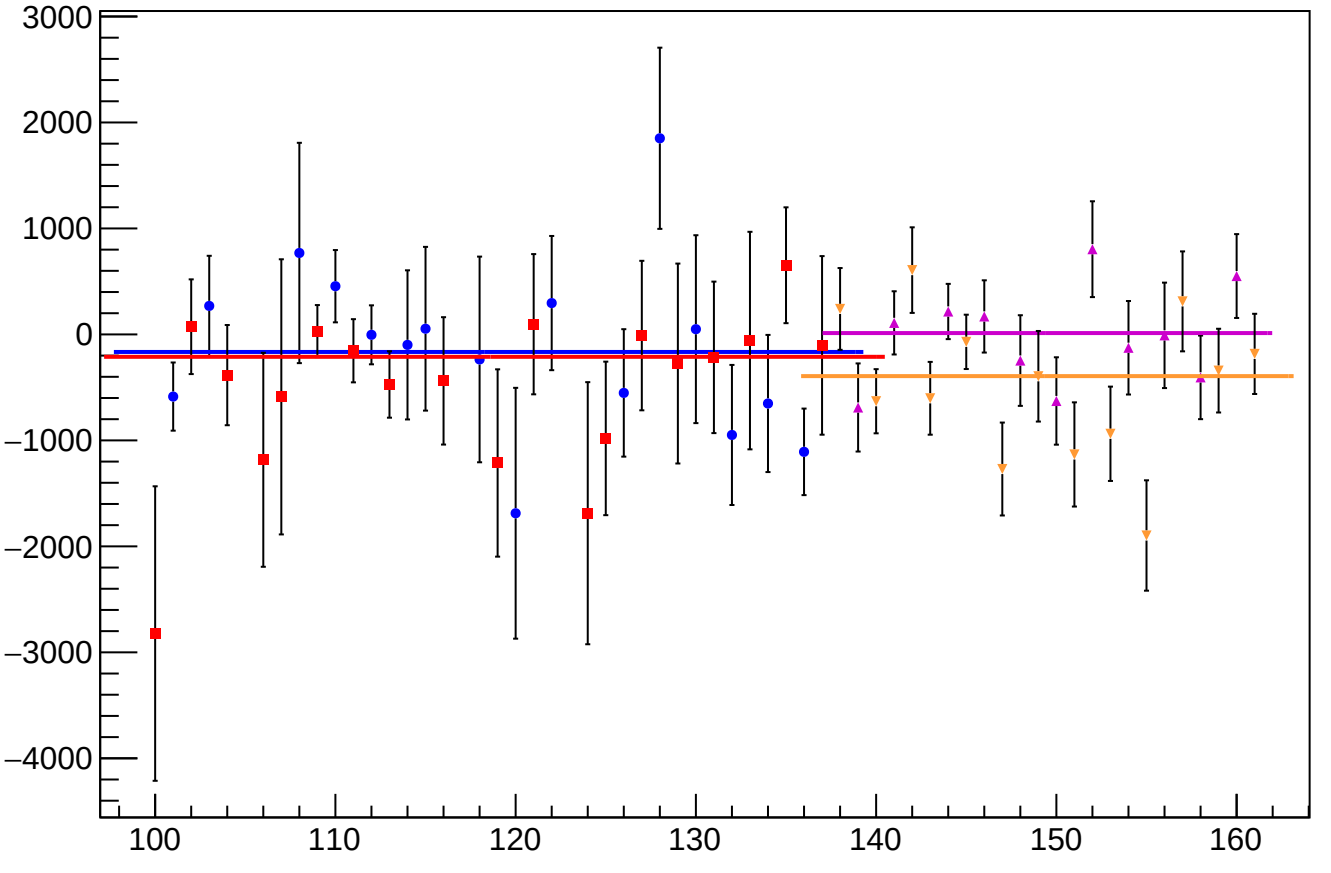
Left In: 70.896+/-0.016 χ^2/NDF:97040.2/10

+ sign 71.517+/-0.012 χ^2/NDF: 746302.5/28

All: 71.451+/-0.009 χ^2/NDF: 1804062.7/58

- sign 71.383+/-0.012 χ^2/NDF: 1057702.1/29

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -393.538+/-106.064 χ^2/NDF:30.1/12

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

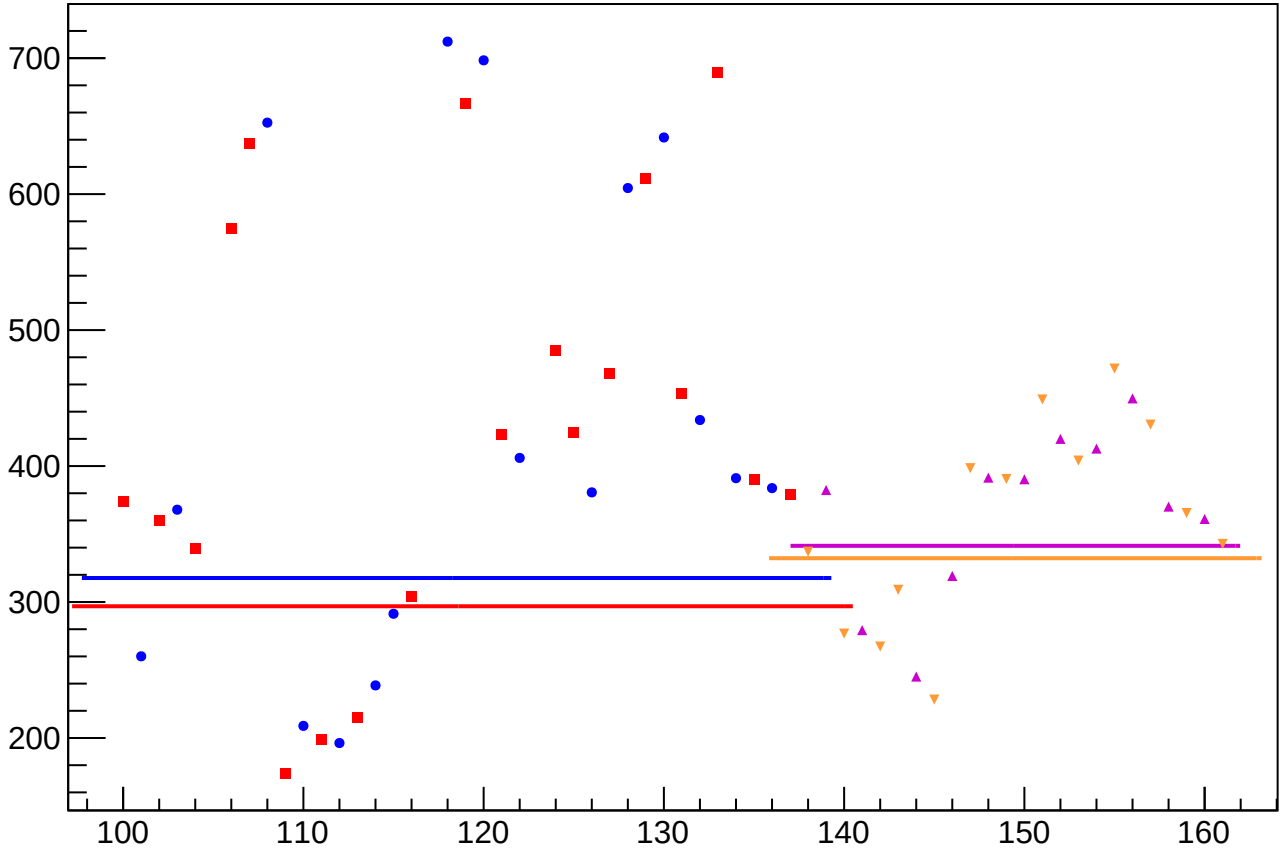
Left In: 12.729+/-112.811 χ^2/NDF:12.7/10

+ sign -301.080+/-81.783 χ^2/NDF: 54.6/28

All: -197.254+/-57.987 χ^2/NDF: 86.0/58

- sign -92.283+/-82.232 χ^2/NDF: 28.2/29

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 332.230+/-0.075 χ^2/NDF:950814.6/12

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

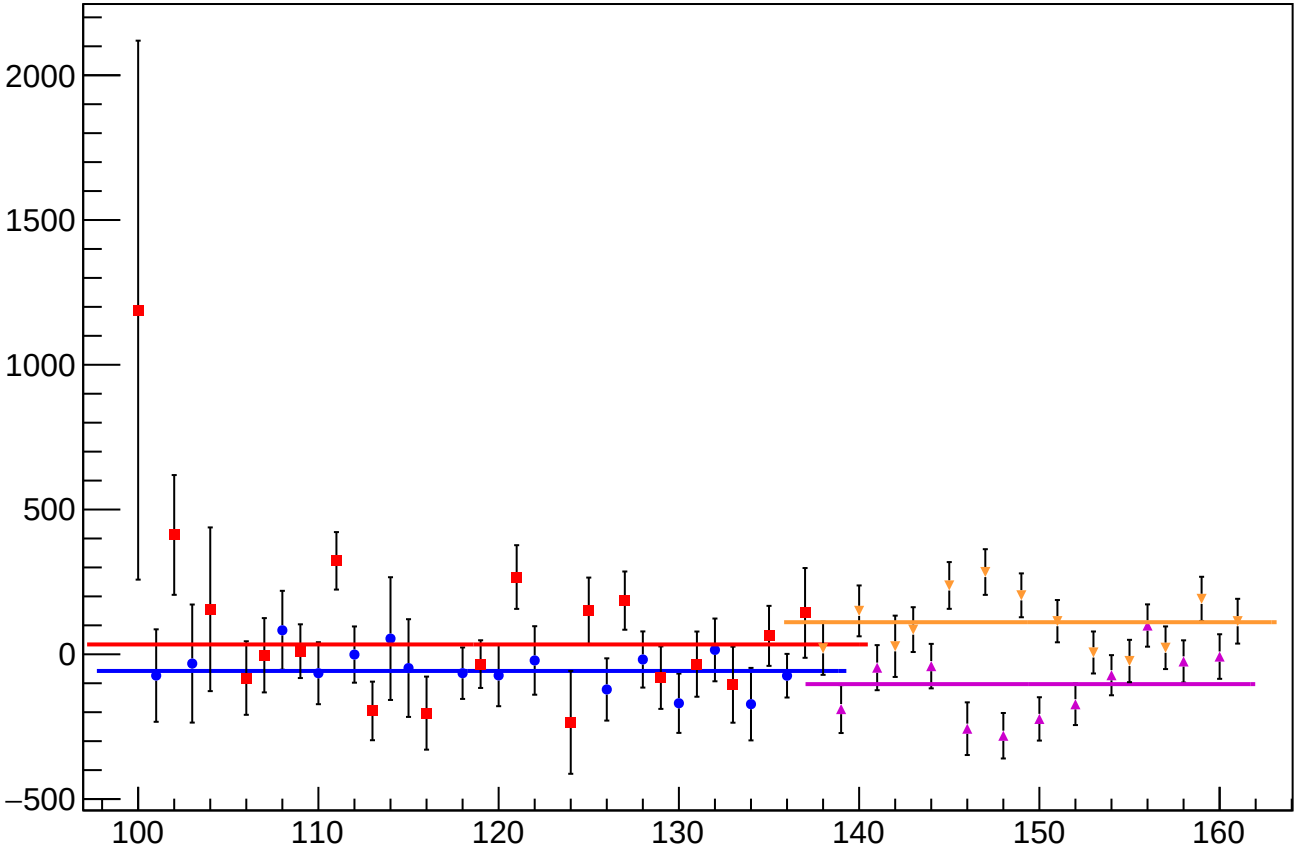
Left In: 341.337+/-0.080 χ^2/NDF:665811.0/10

+ sign 326.324+/-0.058 χ^2/NDF: 3102301.6/28

All: 323.431+/-0.041 χ^2/NDF: 6459695.4/58

- sign 320.506+/-0.058 χ^2/NDF: 3352360.6/29

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 110.877+/-21.920 χ^2/NDF:18.7/12

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

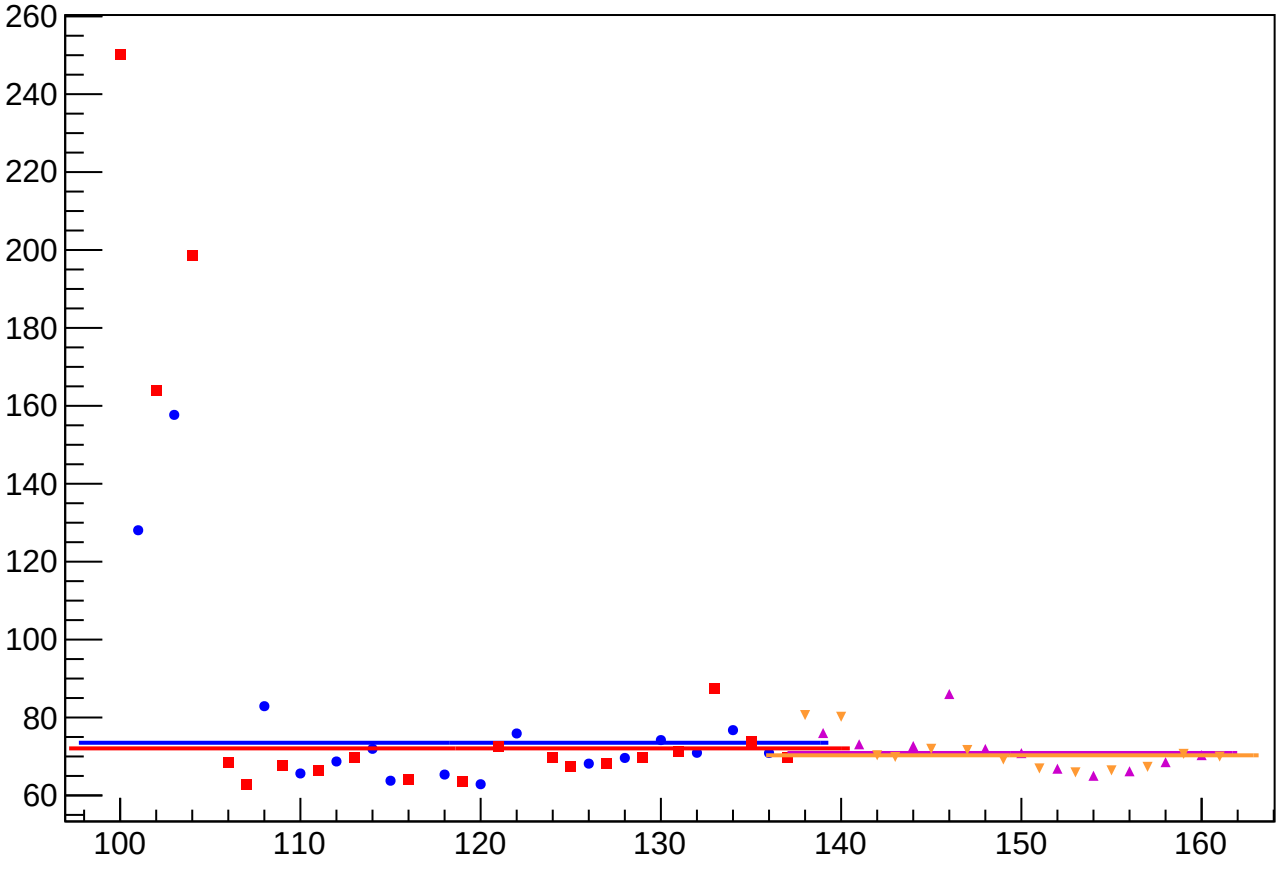
Left In: -102.992+/-23.019 χ^2/NDF:24.4/10

+ sign 47.130+/-17.280 χ^2/NDF: 45.9/28

All: 1.339+/-12.339 χ^2/NDF: 136.4/58

- sign -46.292+/-17.624 χ^2/NDF: 76.2/29

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.297+/-0.015 χ^2/NDF:73096.1/12

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

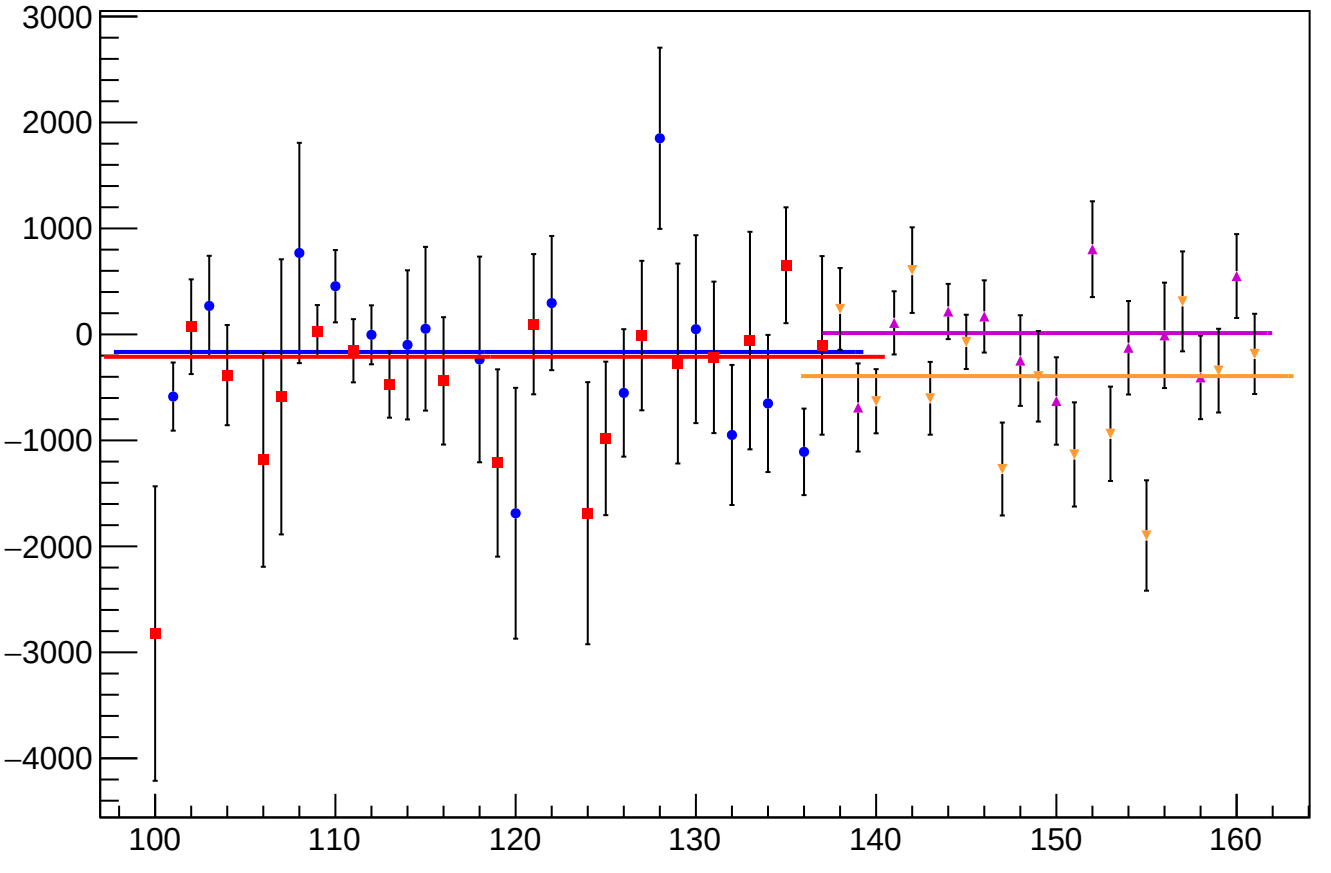
Left In: 70.896+/-0.016 χ^2/NDF:97040.8/10

+ sign 71.517+/-0.012 χ^2/NDF: 746302.3/28

All: 71.451+/-0.009 χ^2/NDF: 1804064.0/58

- sign 71.383+/-0.012 χ^2/NDF: 1057703.7/29

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -393.538+/-106.064 χ^2/NDF:30.1/12

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

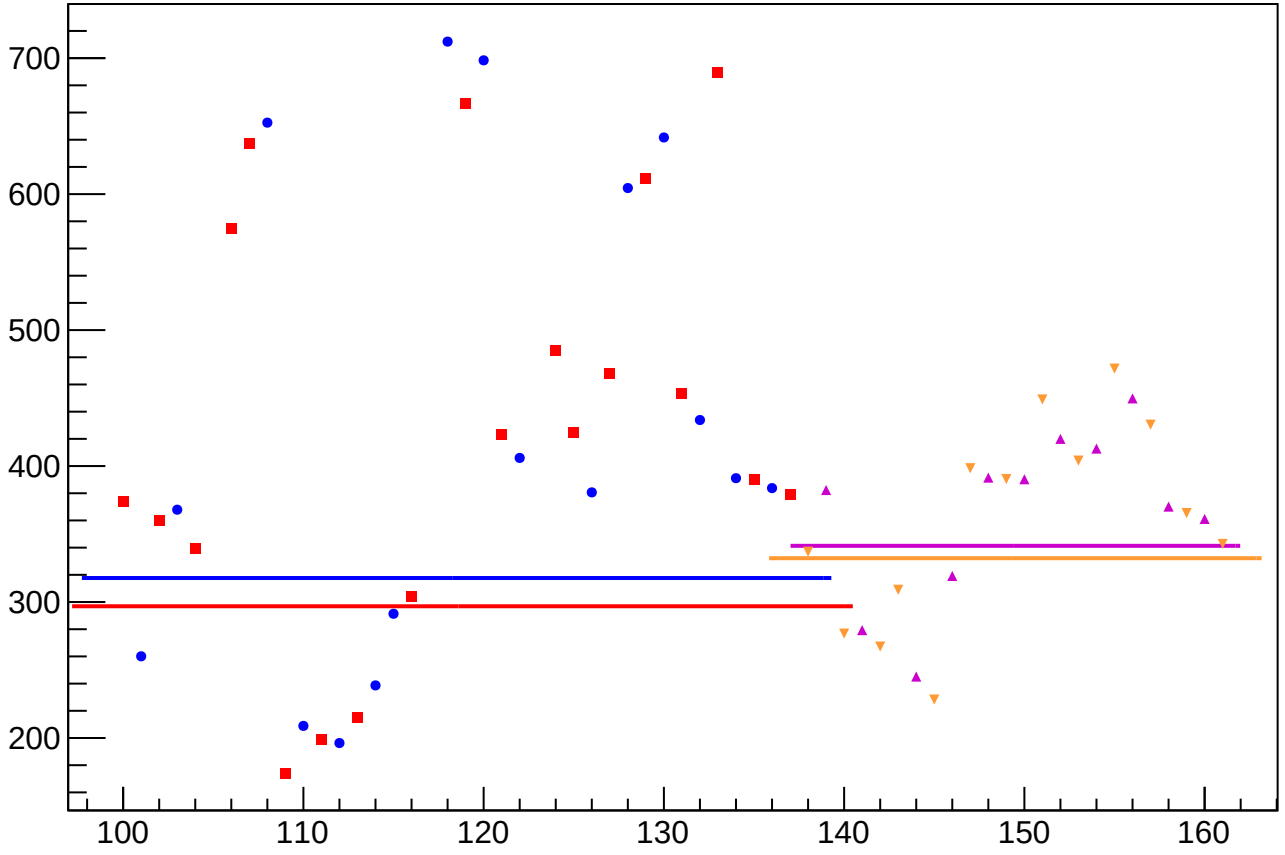
Left In: 12.729+/-112.811 χ^2/NDF:12.7/10

+ sign -301.078+/-81.783 χ^2/NDF: 54.6/28

All: -197.253+/-57.987 χ^2/NDF: 86.0/58

- sign -92.283+/-82.232 χ^2/NDF: 28.2/29

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 332.230+/-0.075 χ^2/NDF:950825.8/12

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

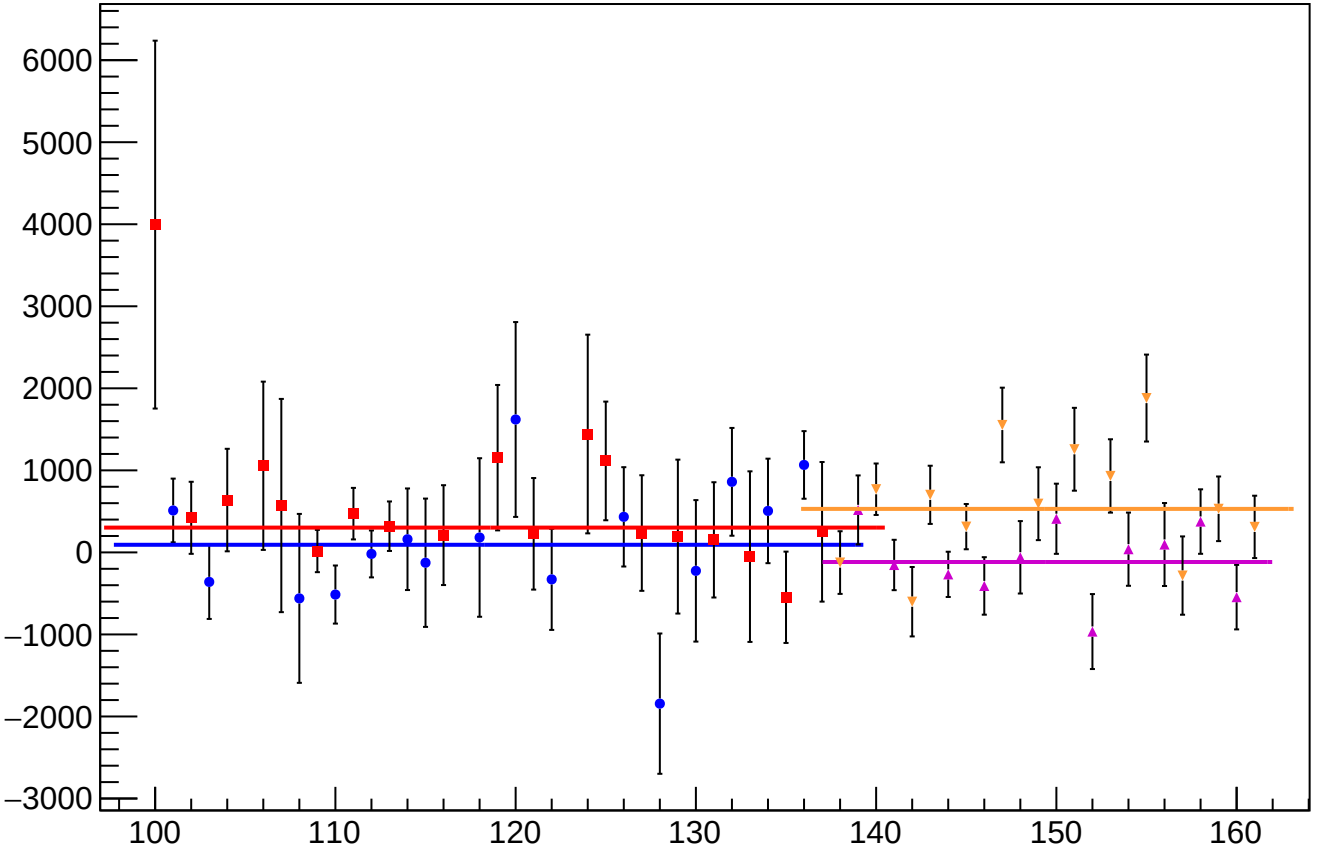
Left In: 341.337+/-0.080 χ^2/NDF:665817.0/10

+ sign 326.323+/-0.058 χ^2/NDF: 3102348.8/28

All: 323.430+/-0.041 χ^2/NDF: 6459768.2/58

- sign 320.505+/-0.058 χ^2/NDF: 3352386.9/29

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 530.307+/-109.209 χ^2/NDF:29.2/12

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

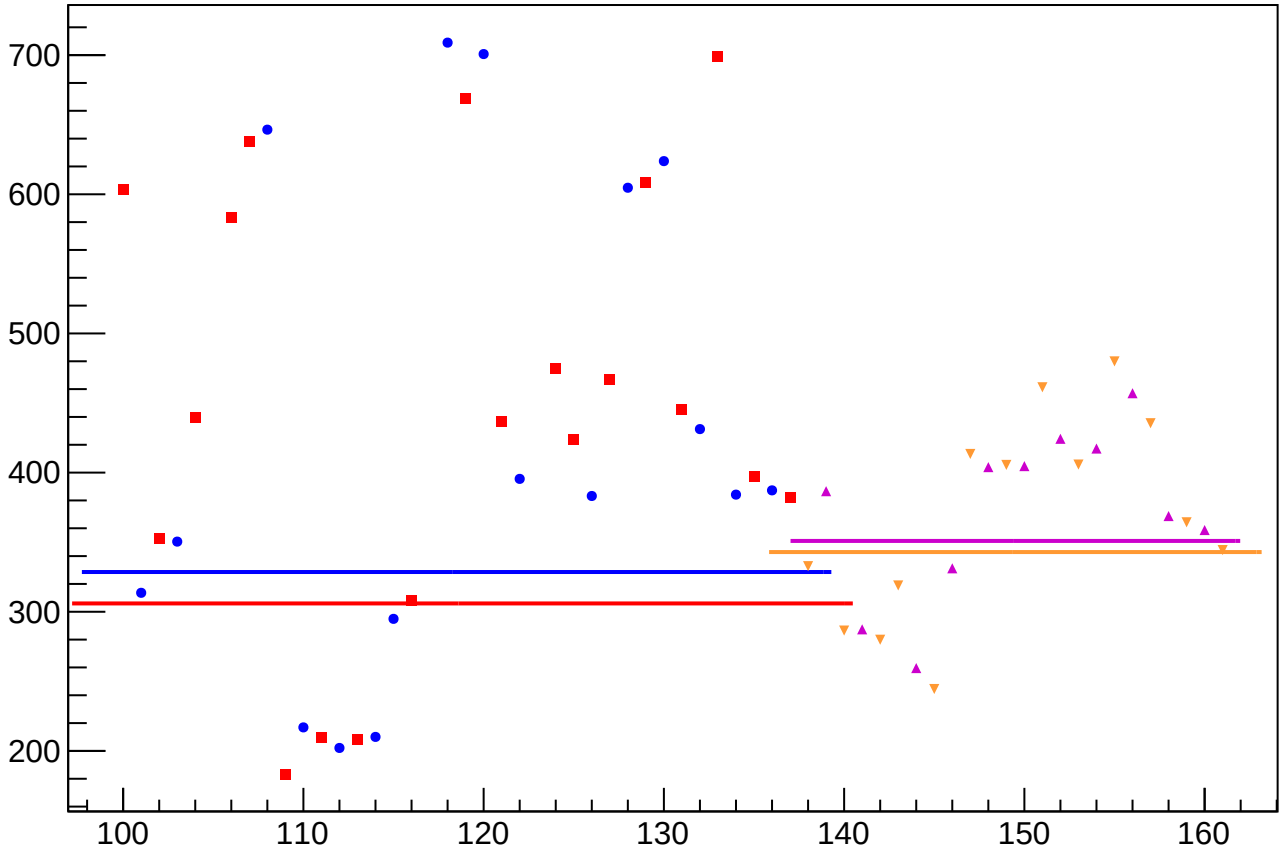
Left In: -117.067+/-115.603 χ^2/NDF:11.3/10

+ sign 352.412+/-84.125 χ^2/NDF: 56.5/28

All: 215.897+/-59.628 χ^2/NDF: 90.1/58

- sign 78.065+/-84.530 χ^2/NDF: 28.3/29

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 342.910+/-0.077 χ^2/NDF:826385.7/12

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

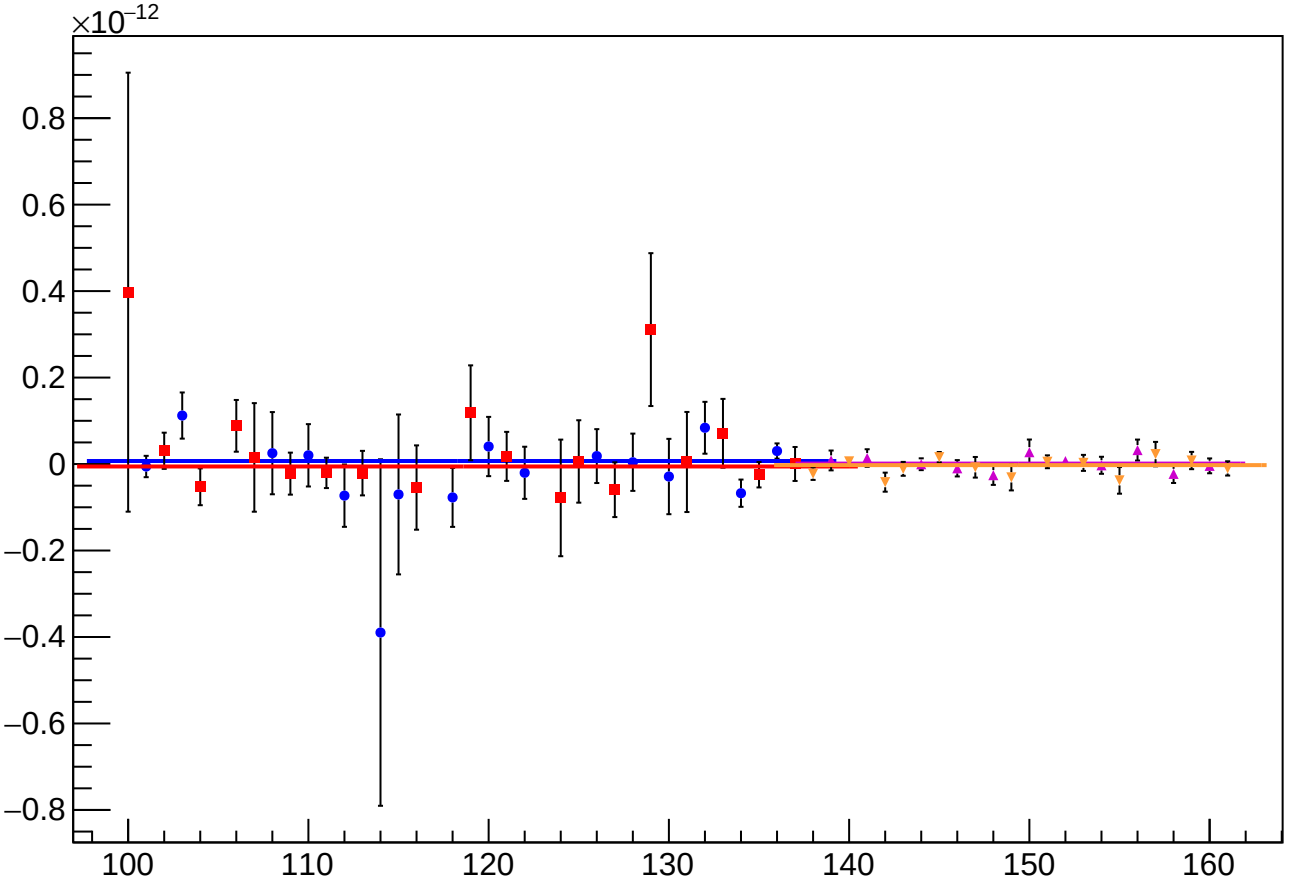
Left In: 350.902+/-0.082 χ^2/NDF:575276.7/10

+ sign 337.078+/-0.059 χ^2/NDF: 2799286.5/28

All: 333.557+/-0.042 χ^2/NDF: 6049546.4/58

- sign 330.002+/-0.060 χ^2/NDF: 3243220.1/29

asym_sam7_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:12.2/12

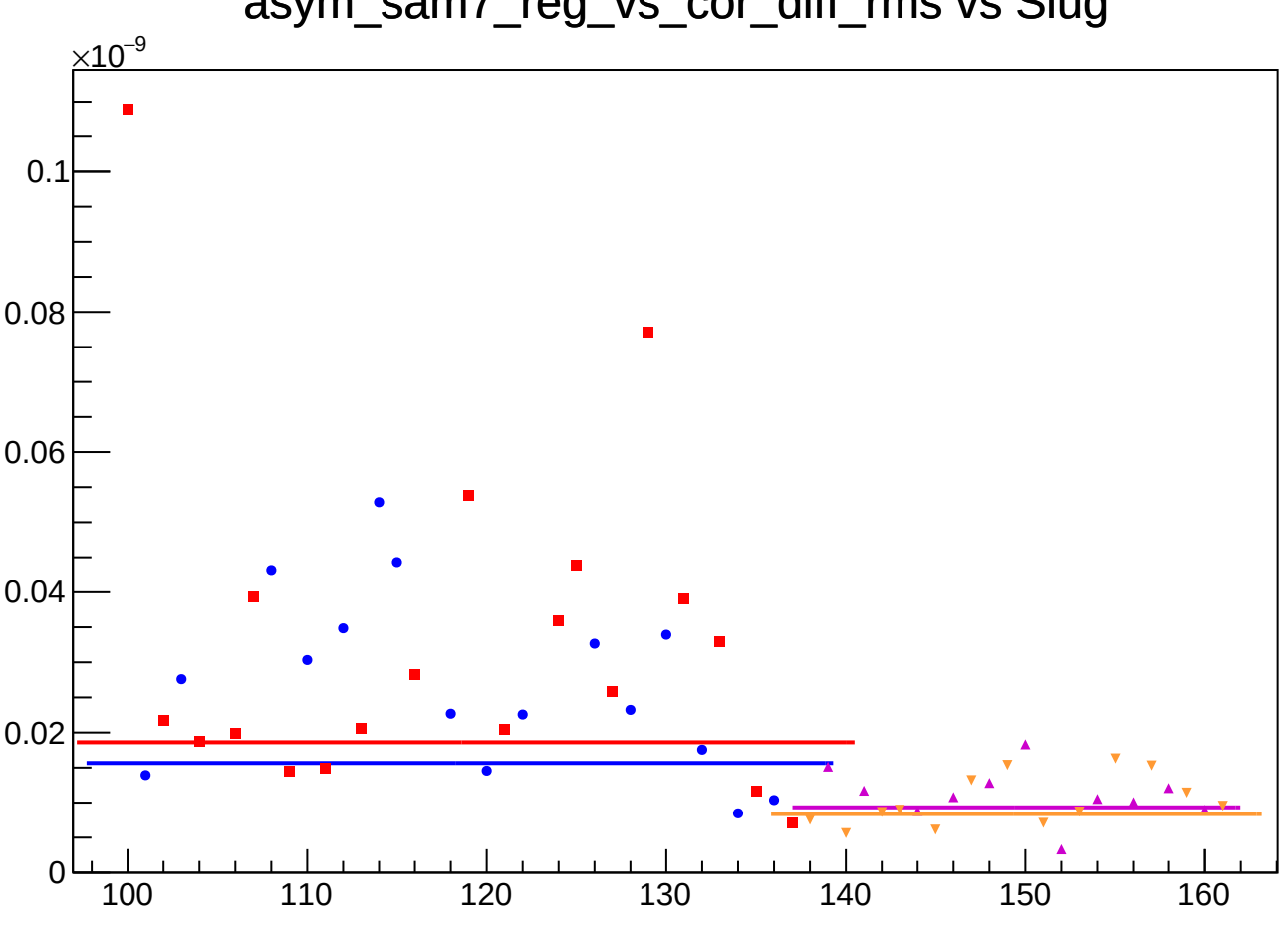
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 30.6/28

All: -0.000+/-0.000 χ^2/NDF: 50.0/58

- sign 0.000+/-0.000 χ^2/NDF: 19.4/29



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:729291.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

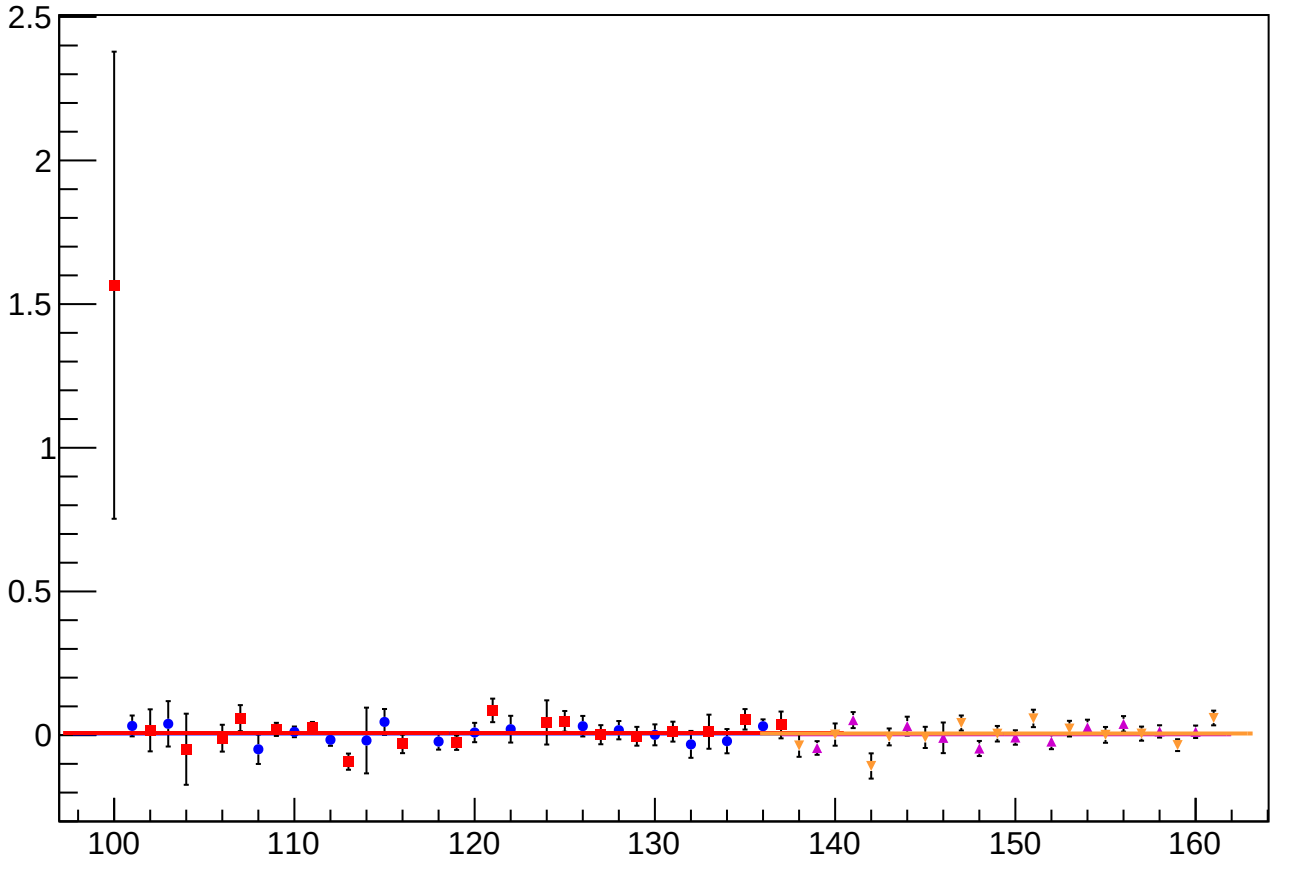
Left In: 0.000+/-0.000 χ^2/NDF:991906.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 2642497.3/28

All: 0.000+/-0.000 χ^2/NDF: 5820539.6/58

- sign 0.000+/-0.000 χ^2/NDF: 3104556.7/29

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.006+/-0.008 χ^2/NDF:21.7/12

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

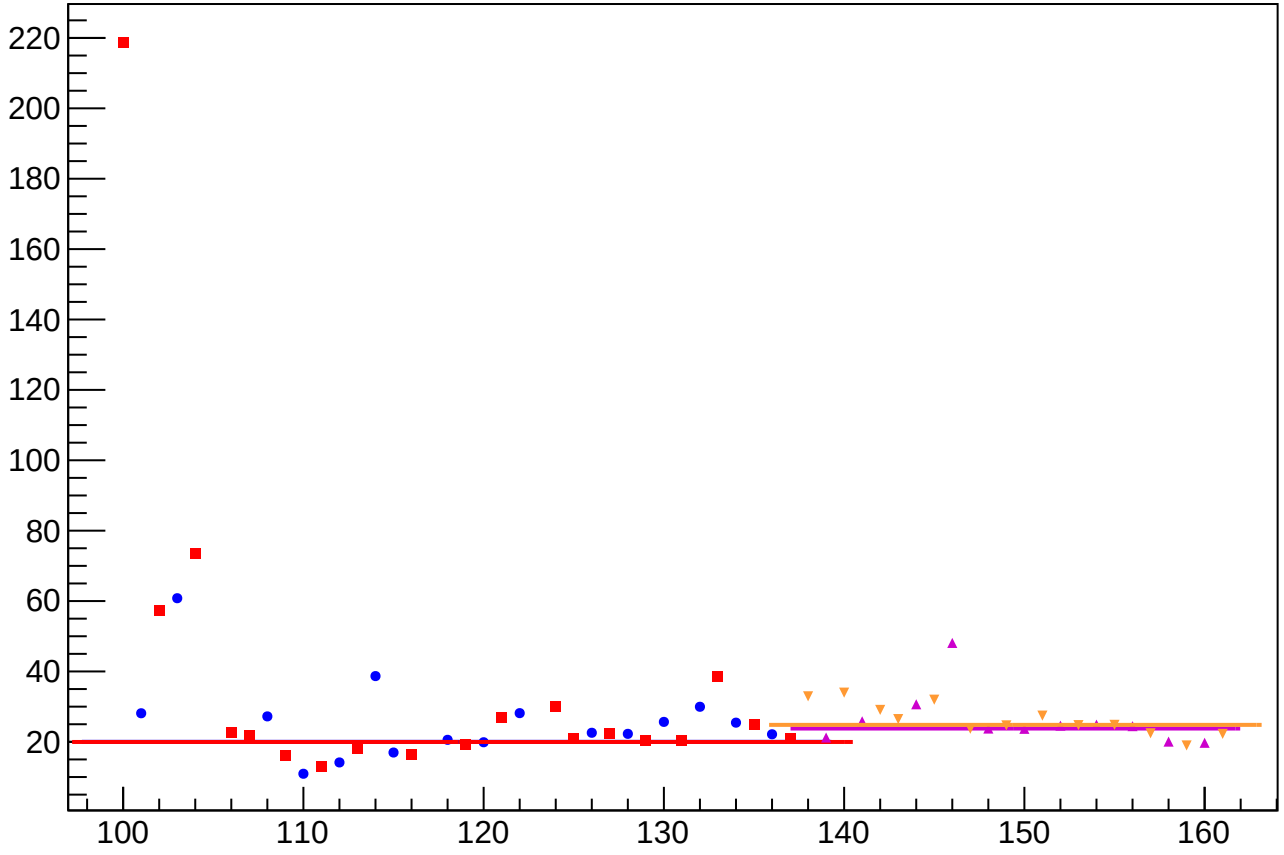
Left In: 0.003+/-0.008 χ^2/NDF:15.6/10

+ sign 0.006+/-0.006 χ^2/NDF: 29.6/28

All: 0.005+/-0.004 χ^2/NDF: 75.2/58

- sign 0.005+/-0.006 χ^2/NDF: 45.6/29

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 24.822+/-0.006 χ^2/NDF:515487.1/12

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

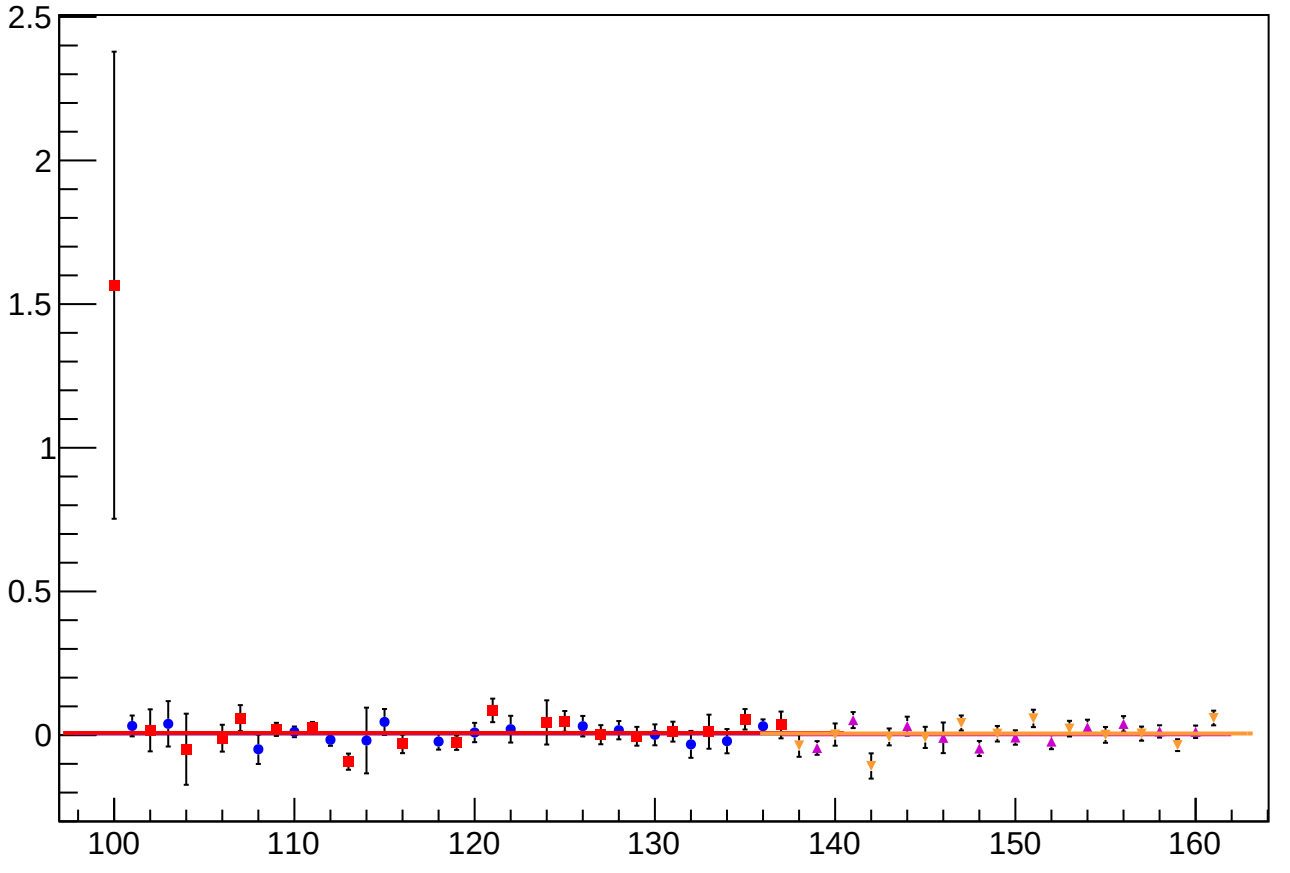
Left In: 23.779+/-0.006 χ^2/NDF:674735.8/10

+ sign 22.477+/-0.004 χ^2/NDF: 2514834.4/28

All: 22.190+/-0.003 χ^2/NDF: 5142964.7/58

- sign 21.907+/-0.004 χ^2/NDF: 2618089.2/29

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.006+/-0.008 χ^2/NDF:21.7/12

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

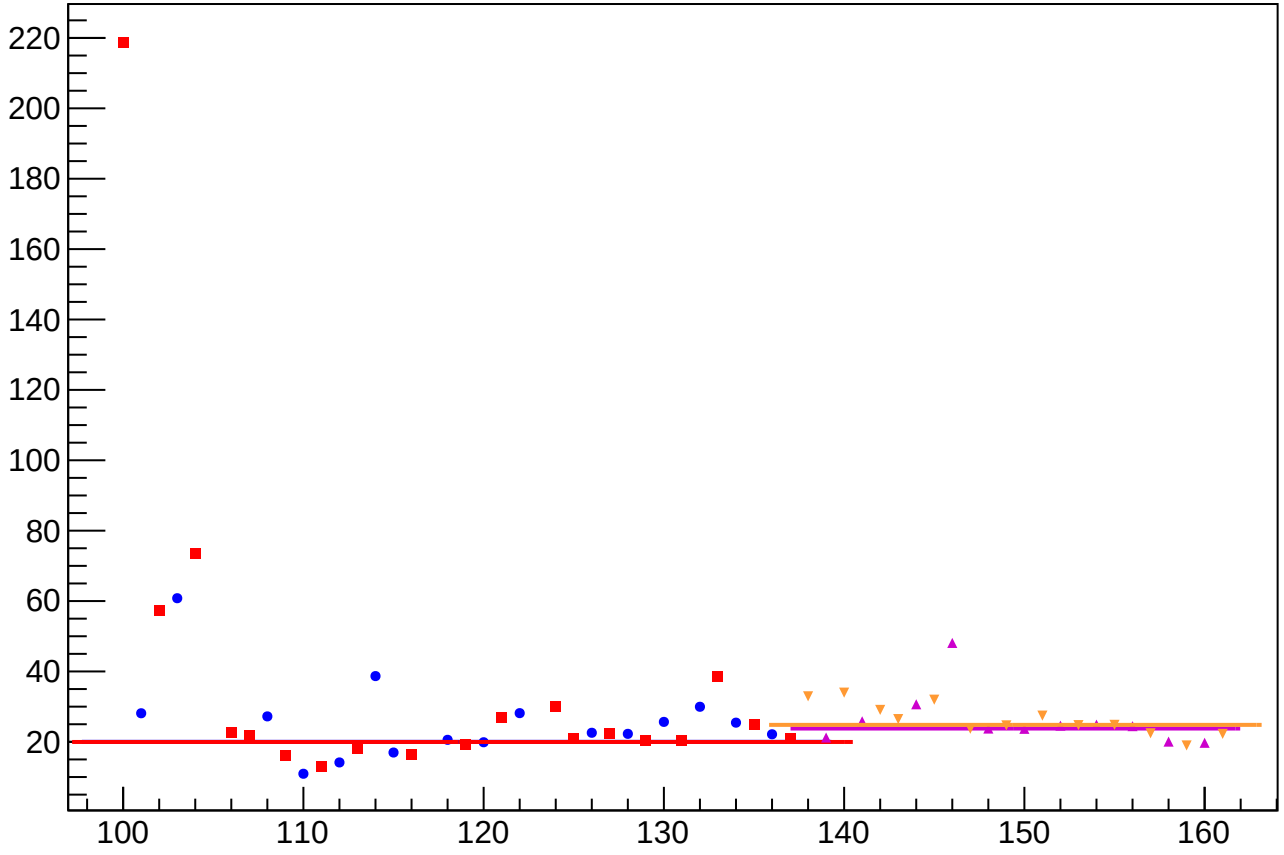
Left In: 0.003+/-0.008 χ^2/NDF:15.6/10

+ sign 0.006+/-0.006 χ^2/NDF: 29.6/28

All: 0.005+/-0.004 χ^2/NDF: 75.2/58

- sign 0.005+/-0.006 χ^2/NDF: 45.6/29

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 24.822+/-0.006 χ^2/NDF:515487.1/12

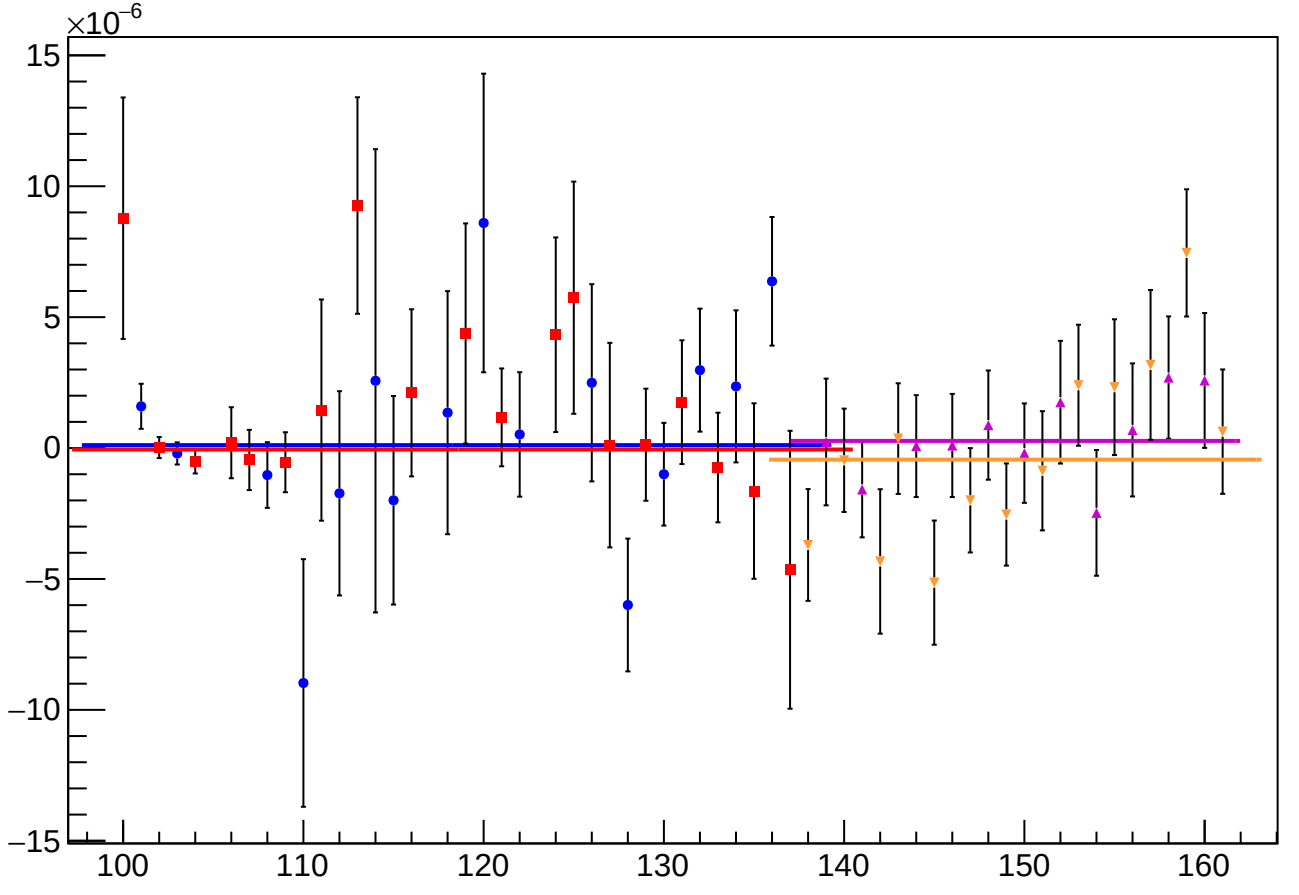
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 23.779+/-0.006 χ^2/NDF:674735.8/10

+ sign 22.477+/-0.004 χ^2/NDF: 2514834.4/28

All: 22.190+/-0.003 χ^2/NDF: 5142964.7/58

- sign 21.907+/-0.004 χ^2/NDF: 2618089.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

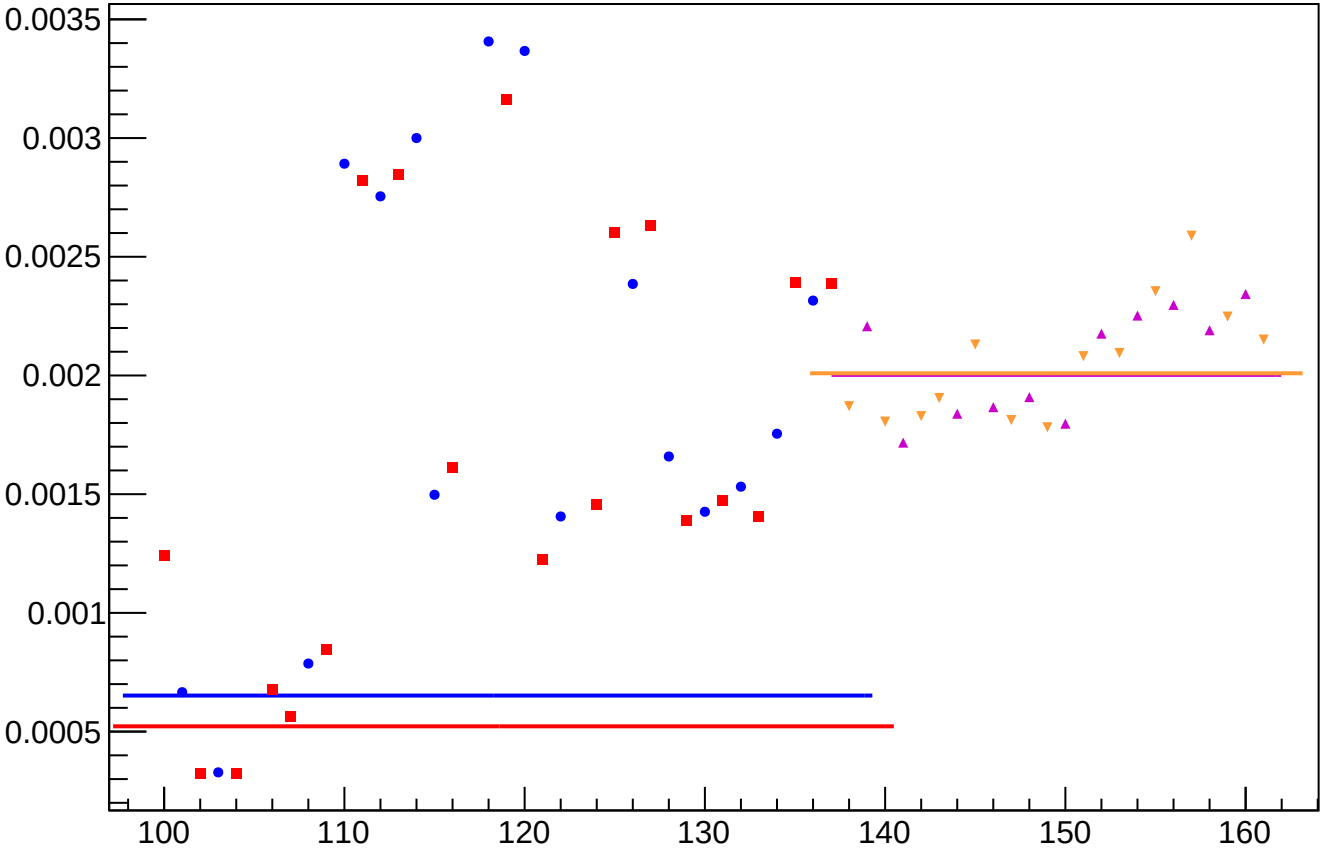
Left In: 0.000+/-0.000 χ^2/NDF:4.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 51.8/28

All: -0.000+/-0.000 χ^2/NDF: 74.0/58

- sign -0.000+/-0.000 χ^2/NDF: 22.1/29

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:243805.8/12

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

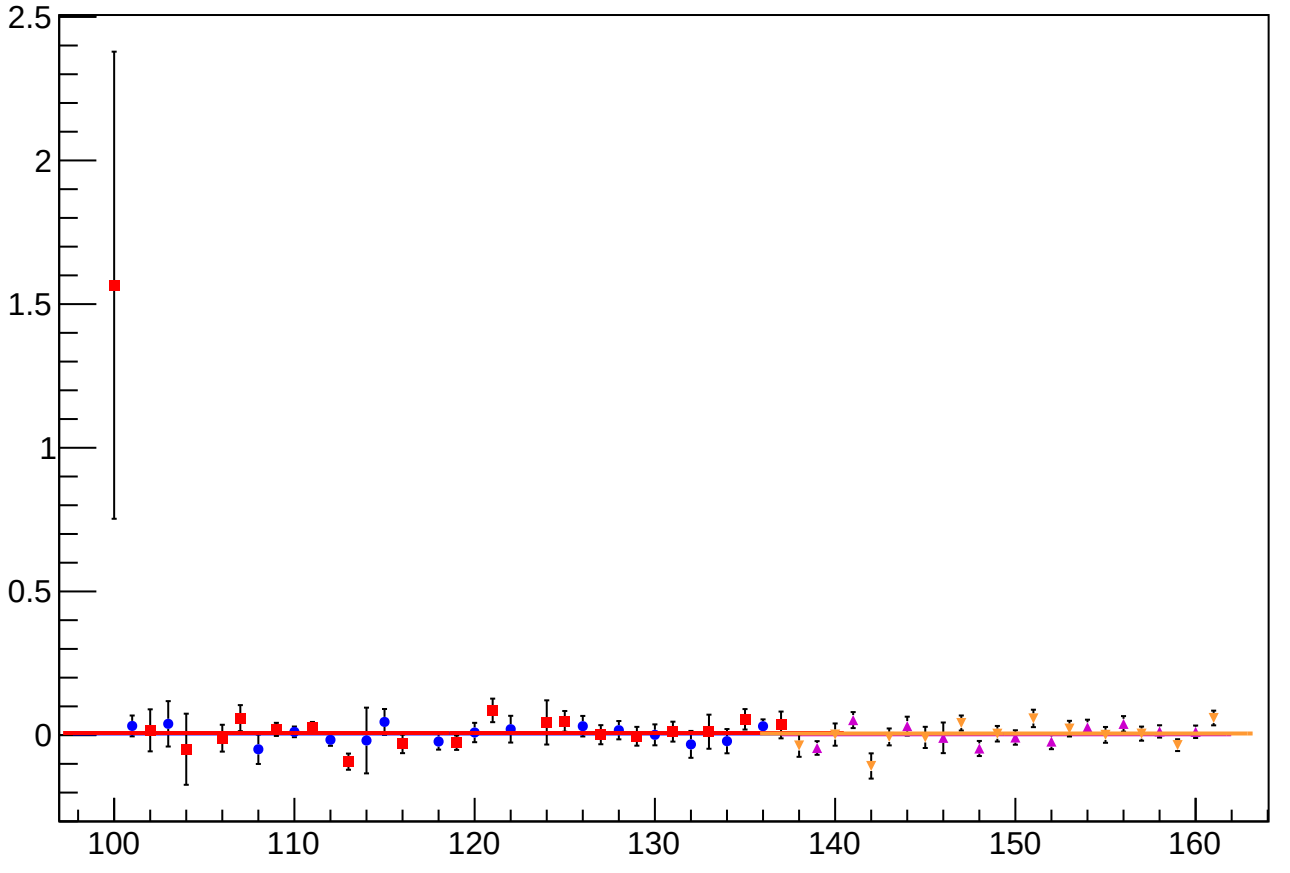
Left In: 0.002+/-0.000 χ^2/NDF:221548.9/10

+ sign 0.001+/-0.000 χ^2/NDF: 13859222.6/28

All: 0.001+/-0.000 χ^2/NDF: 30305891.2/58

- sign 0.001+/-0.000 χ^2/NDF: 15755898.9/29

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.006+/-0.008 χ^2/NDF:21.7/12

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

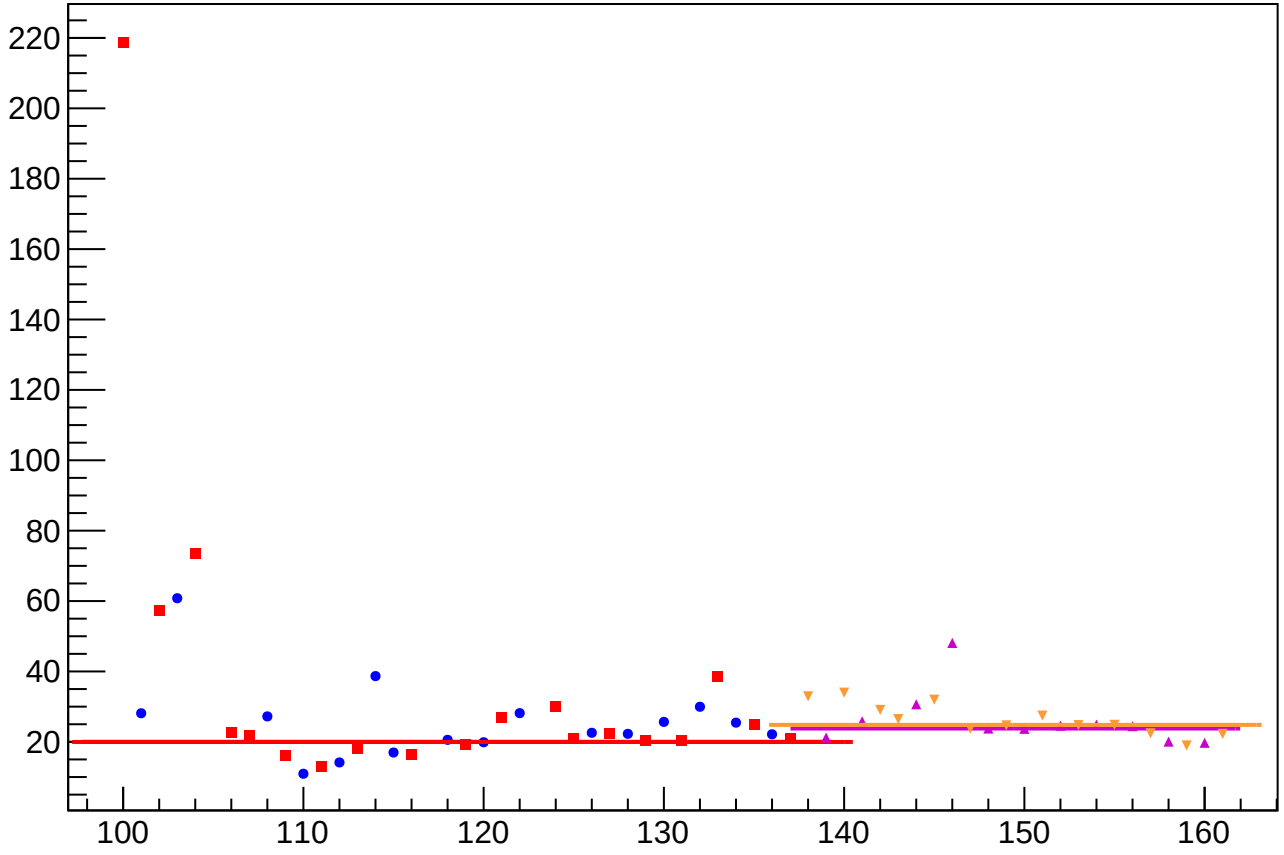
Left In: 0.003+/-0.008 χ^2/NDF:15.6/10

+ sign 0.006+/-0.006 χ^2/NDF: 29.6/28

All: 0.005+/-0.004 χ^2/NDF: 75.2/58

- sign 0.005+/-0.006 χ^2/NDF: 45.6/29

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 24.822+/-0.006 χ^2/NDF:515530.4/12

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

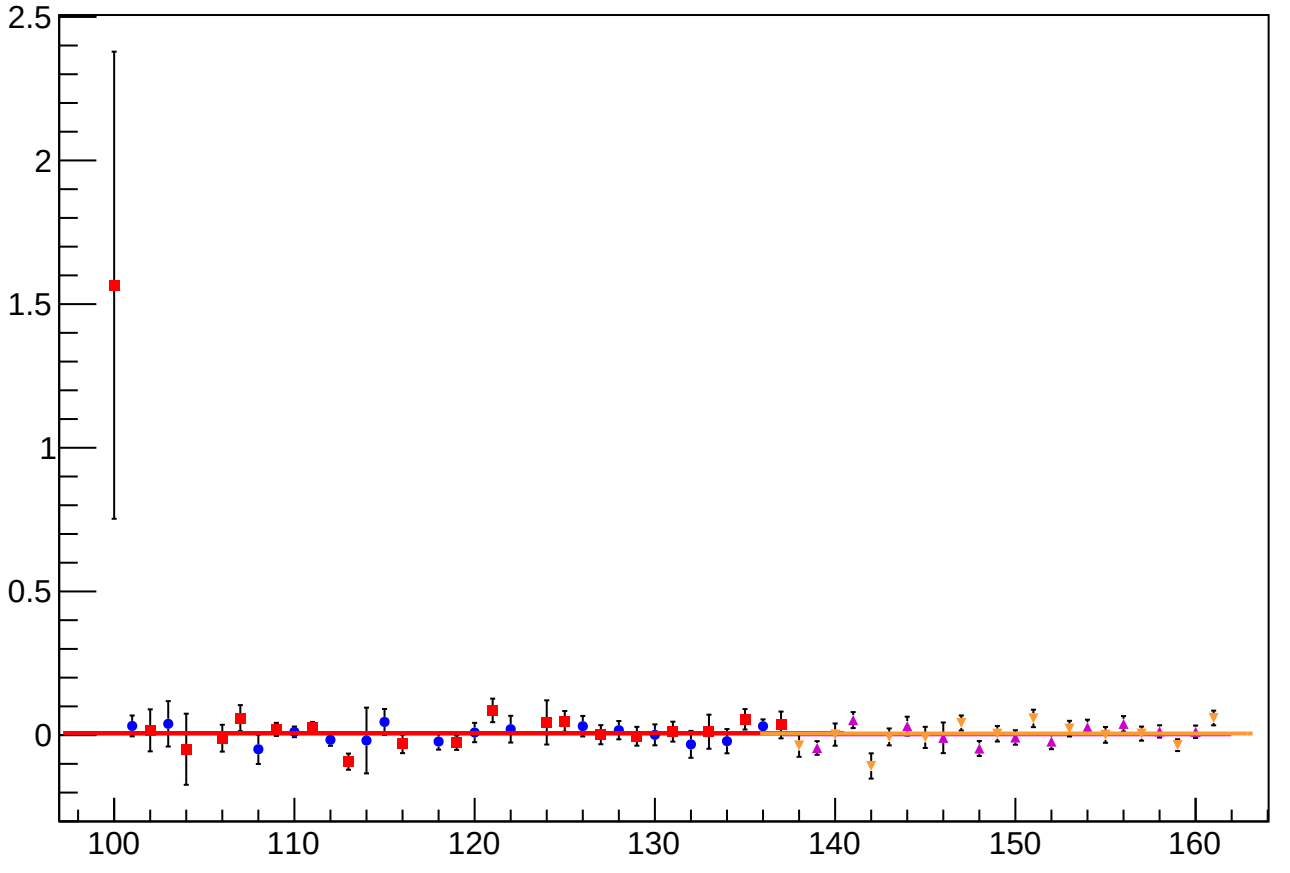
Left In: 23.779+/-0.006 χ^2/NDF:674769.4/10

+ sign 22.477+/-0.004 χ^2/NDF: 2514620.2/28

All: 22.191+/-0.003 χ^2/NDF: 5142699.2/58

- sign 21.907+/-0.004 χ^2/NDF: 2618030.3/29

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: 0.006+/-0.008 χ^2/NDF:21.7/12

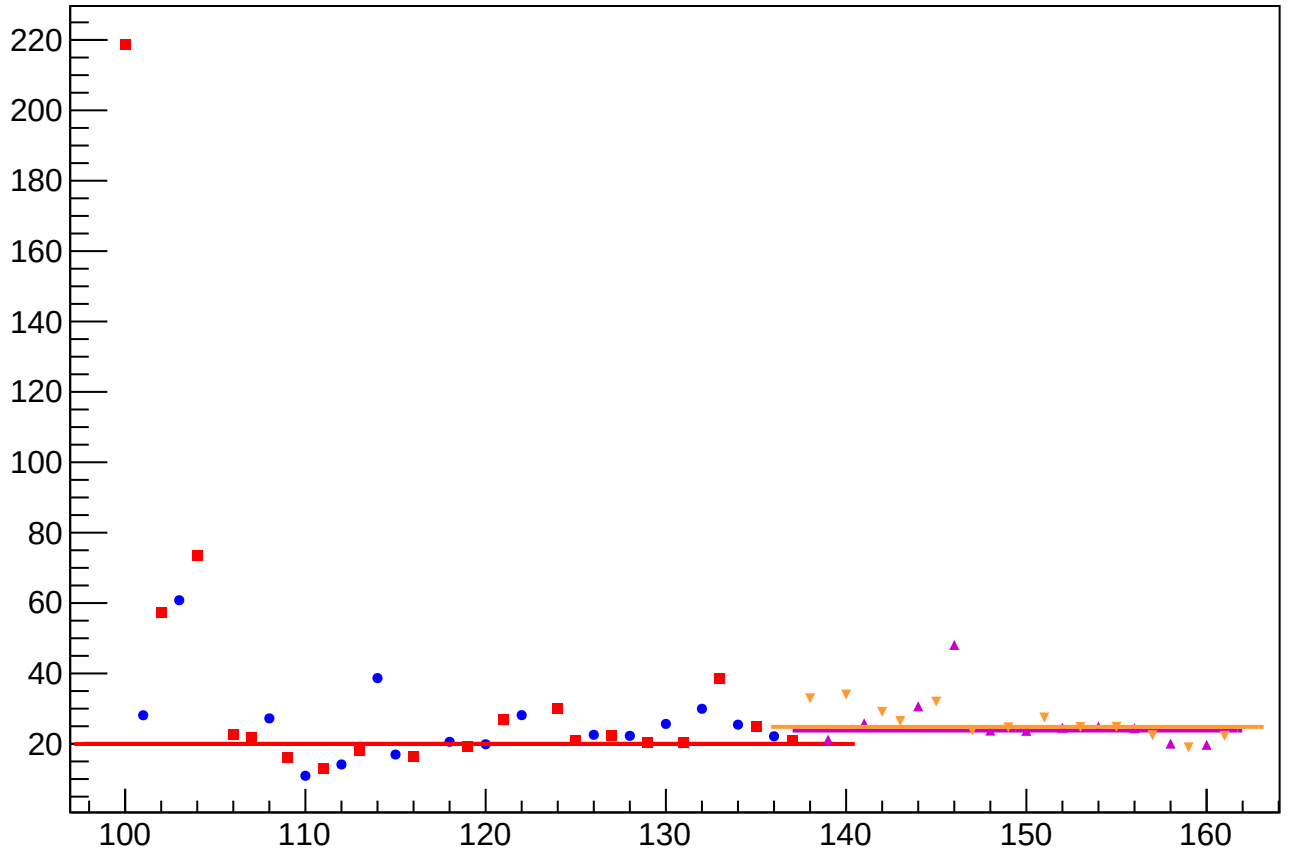
Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.003+/-0.008 χ^2/NDF:15.6/10

+ sign 0.006+/-0.006 χ^2/NDF: 29.6/28

All: 0.005+/-0.004 χ^2/NDF: 75.2/58

- sign 0.005+/-0.006 χ^2/NDF: 45.6/29



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 24.822+/-0.006 χ^2/NDF:515530.4/12

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

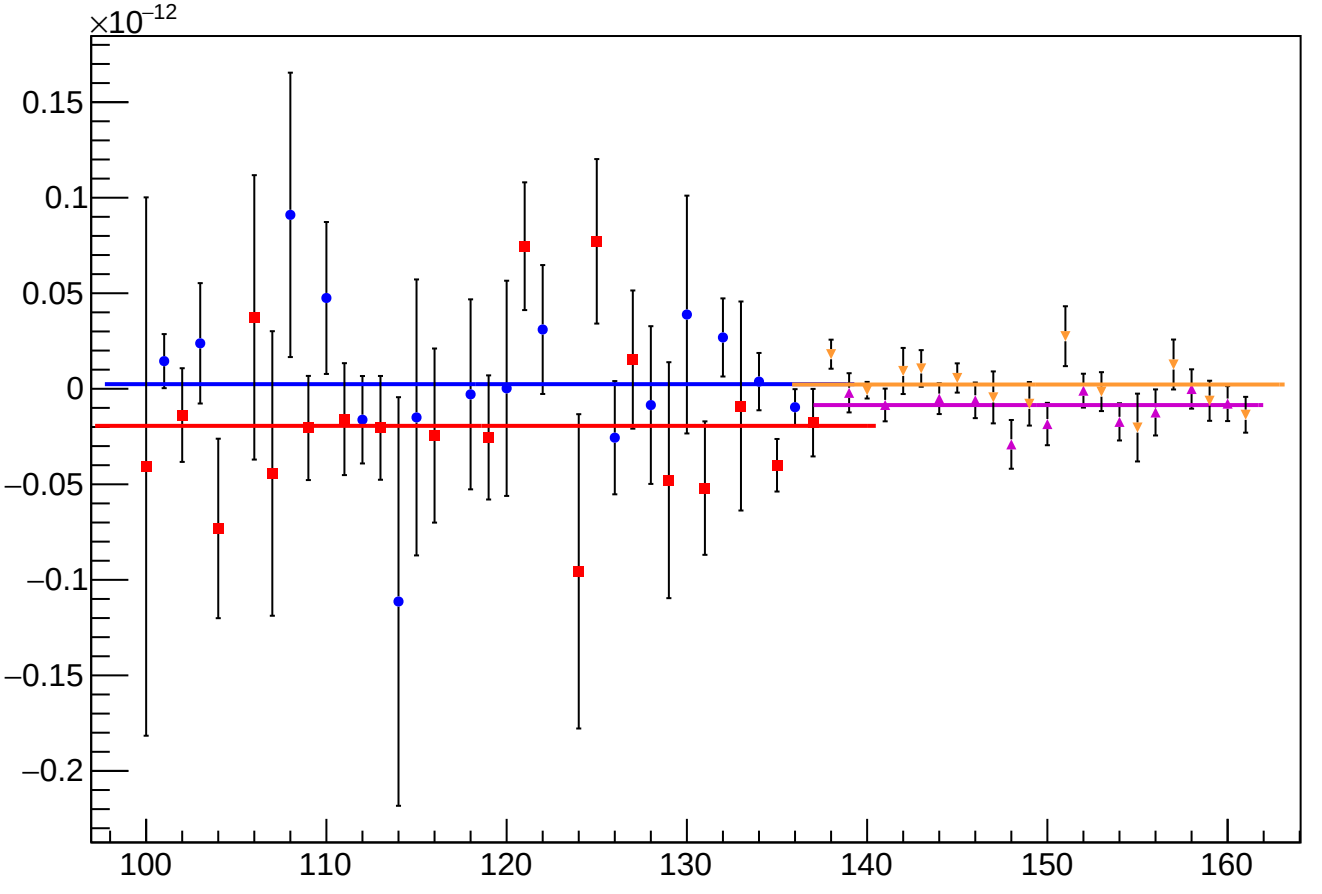
Left In: 23.779+/-0.006 χ^2/NDF:674769.4/10

+ sign 22.477+/-0.004 χ^2/NDF: 2514620.2/28

All: 22.191+/-0.003 χ^2/NDF: 5142699.2/58

- sign 21.907+/-0.004 χ^2/NDF: 2618030.3/29

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:15.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

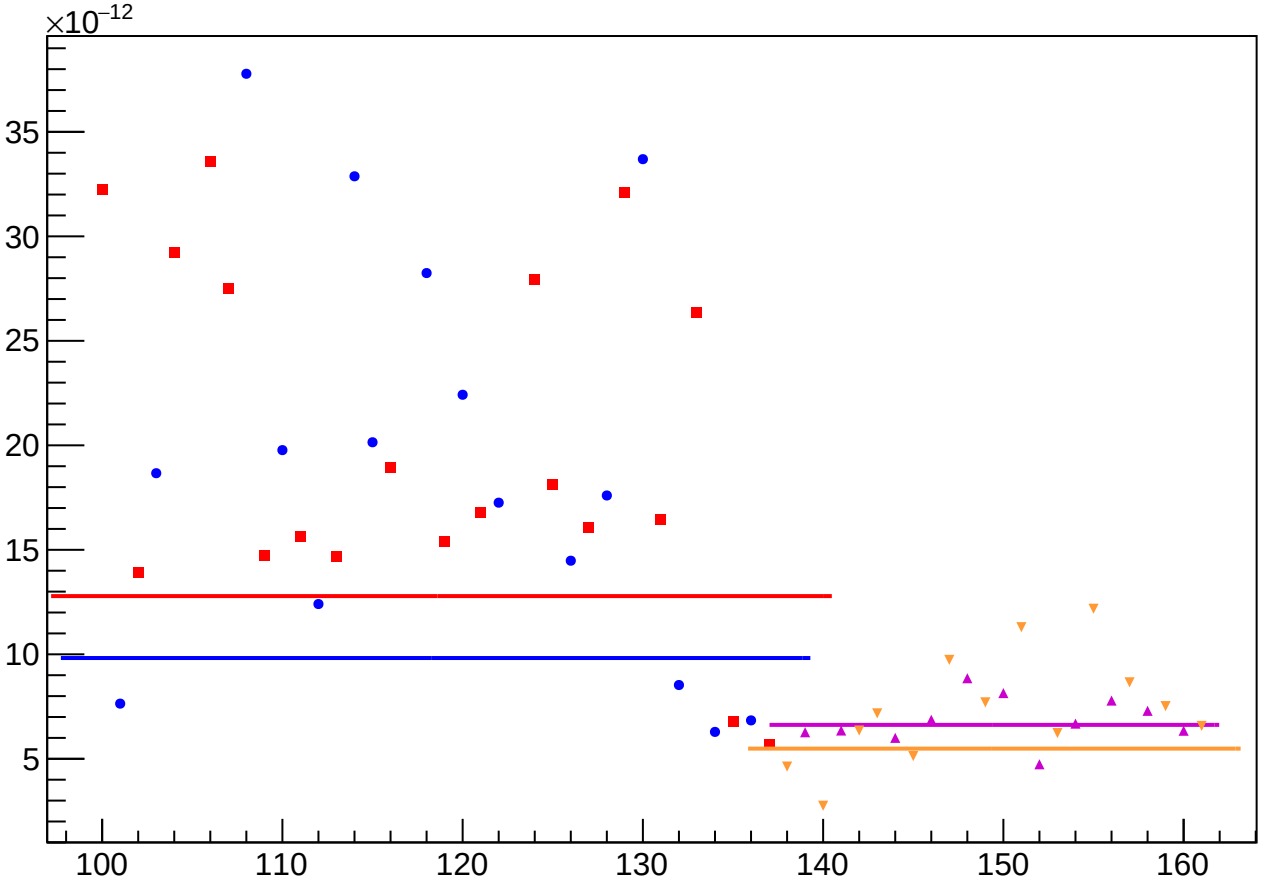
Left In: -0.000+/-0.000 χ^2/NDF:6.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 26.5/28

All: -0.000+/-0.000 χ^2/NDF: 67.4/58

- sign -0.000+/-0.000 χ^2/NDF: 28.6/29

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1954493.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

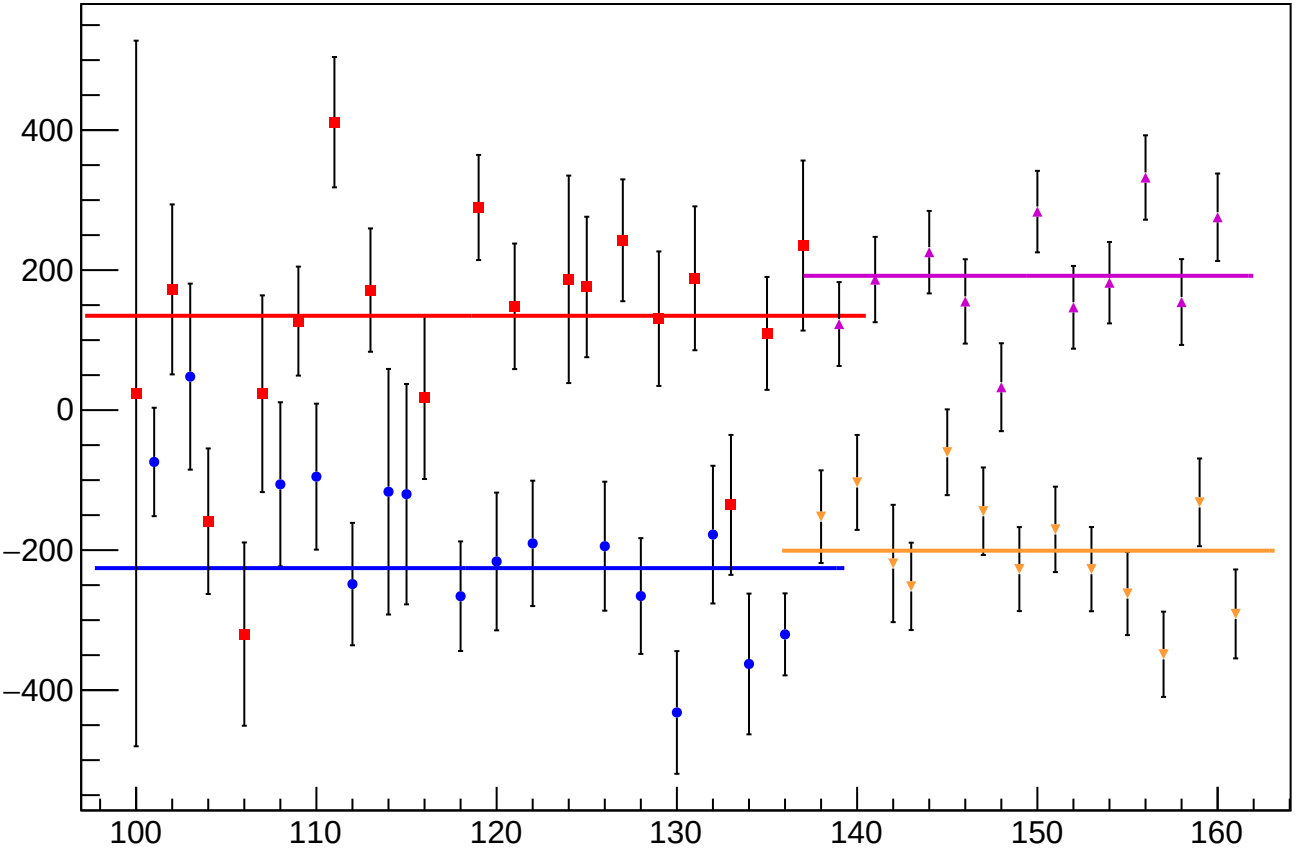
Left In: 0.000+/-0.000 χ^2/NDF:235937.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 4899128.6/28

All: 0.000+/-0.000 χ^2/NDF: 8525258.6/58

- sign 0.000+/-0.000 χ^2/NDF: 3334317.3/29

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -200.775+/-17.554 χ^2/NDF:20.2/12

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

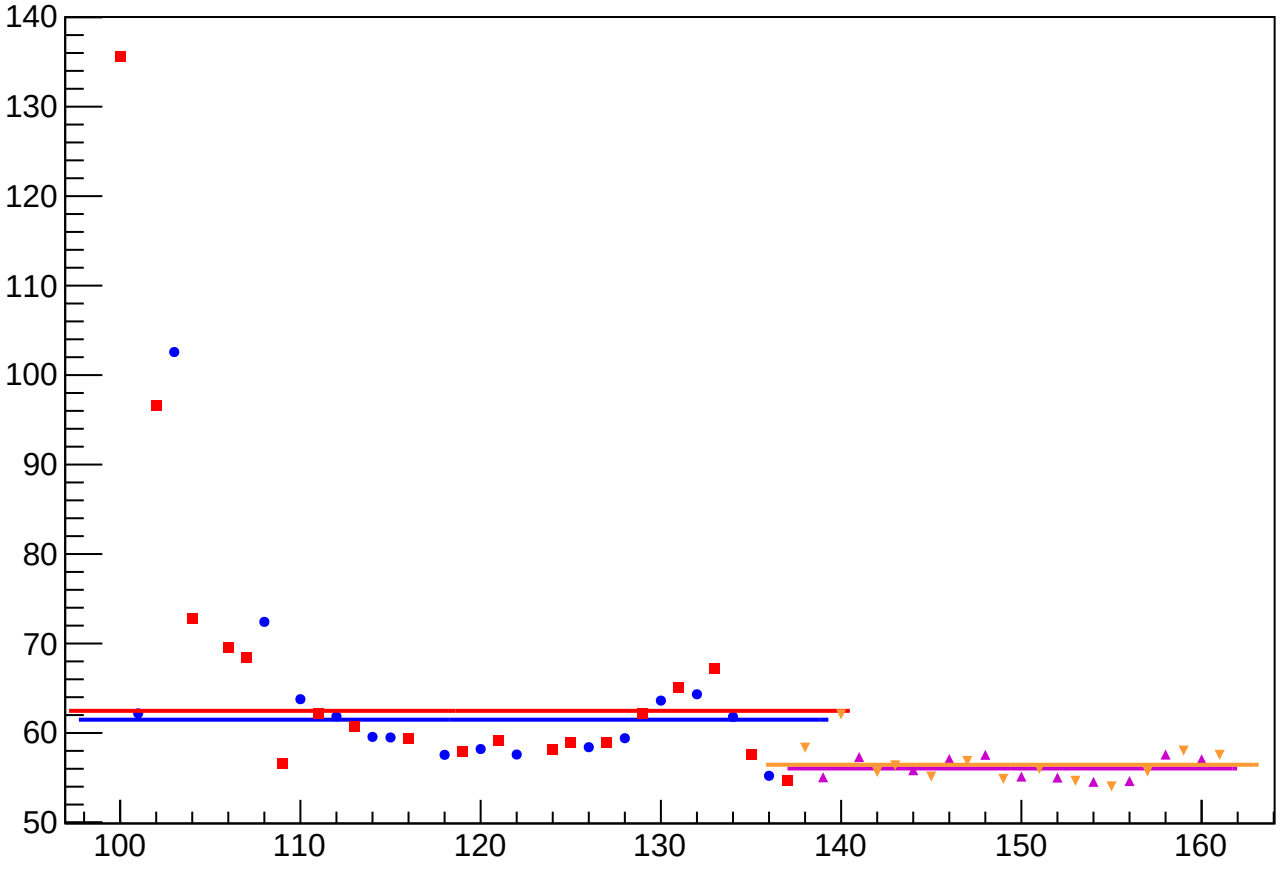
Left In: 191.878+/-18.137 χ^2/NDF:19.1/10

+ sign -209.887+/-13.981 χ^2/NDF: 43.6/28

All: -23.963+/-9.992 χ^2/NDF: 473.3/58

- sign 170.202+/-14.287 χ^2/NDF: 68.2/29

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.451+/-0.012 χ^2/NDF:25490.2/12

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

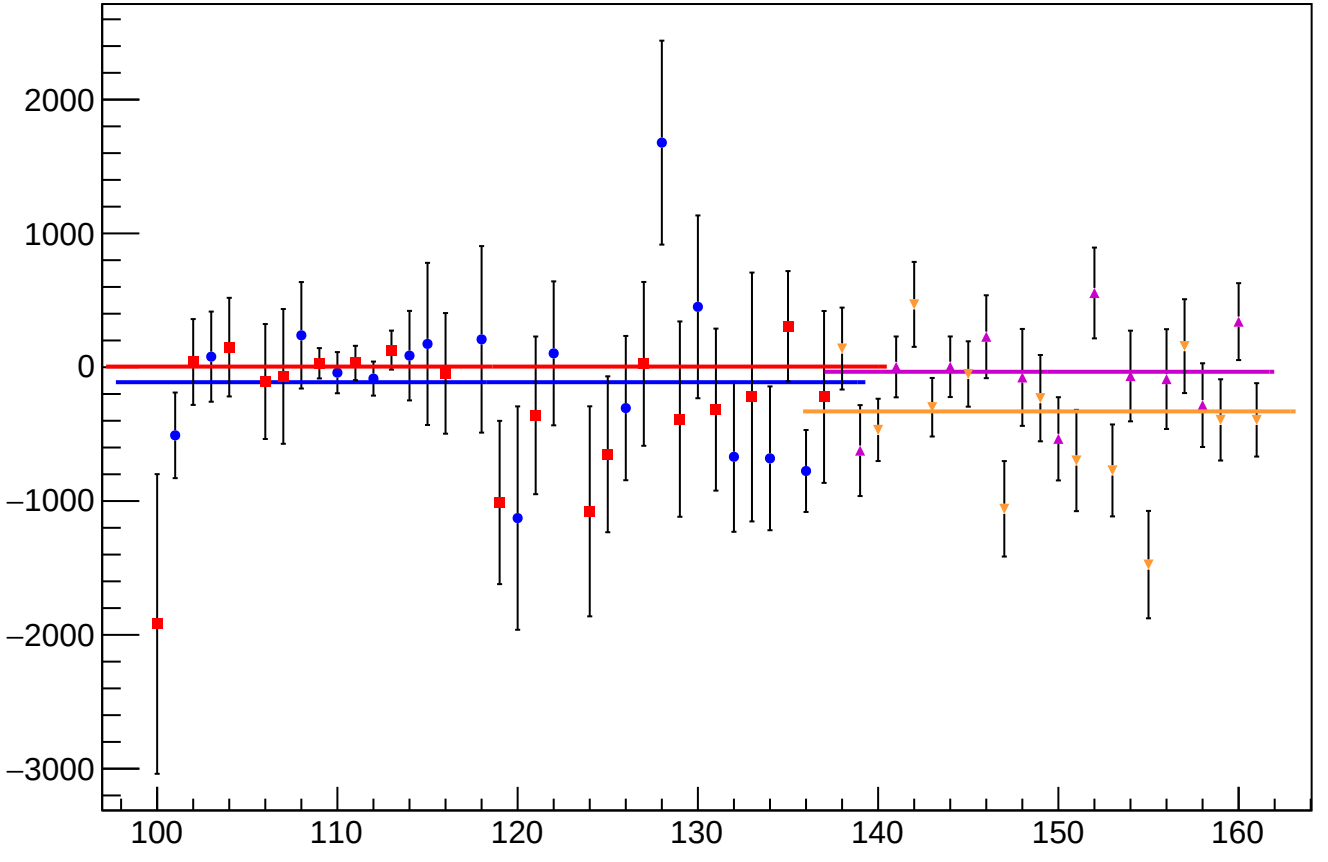
Left In: 56.032+/-0.013 χ^2/NDF:8542.7/10

+ sign 58.293+/-0.010 χ^2/NDF: 336321.1/28

All: 58.383+/-0.007 χ^2/NDF: 721986.1/58

- sign 58.477+/-0.010 χ^2/NDF: 385493.8/29

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -330.110+/-82.170 χ^2/NDF:27.4/12

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

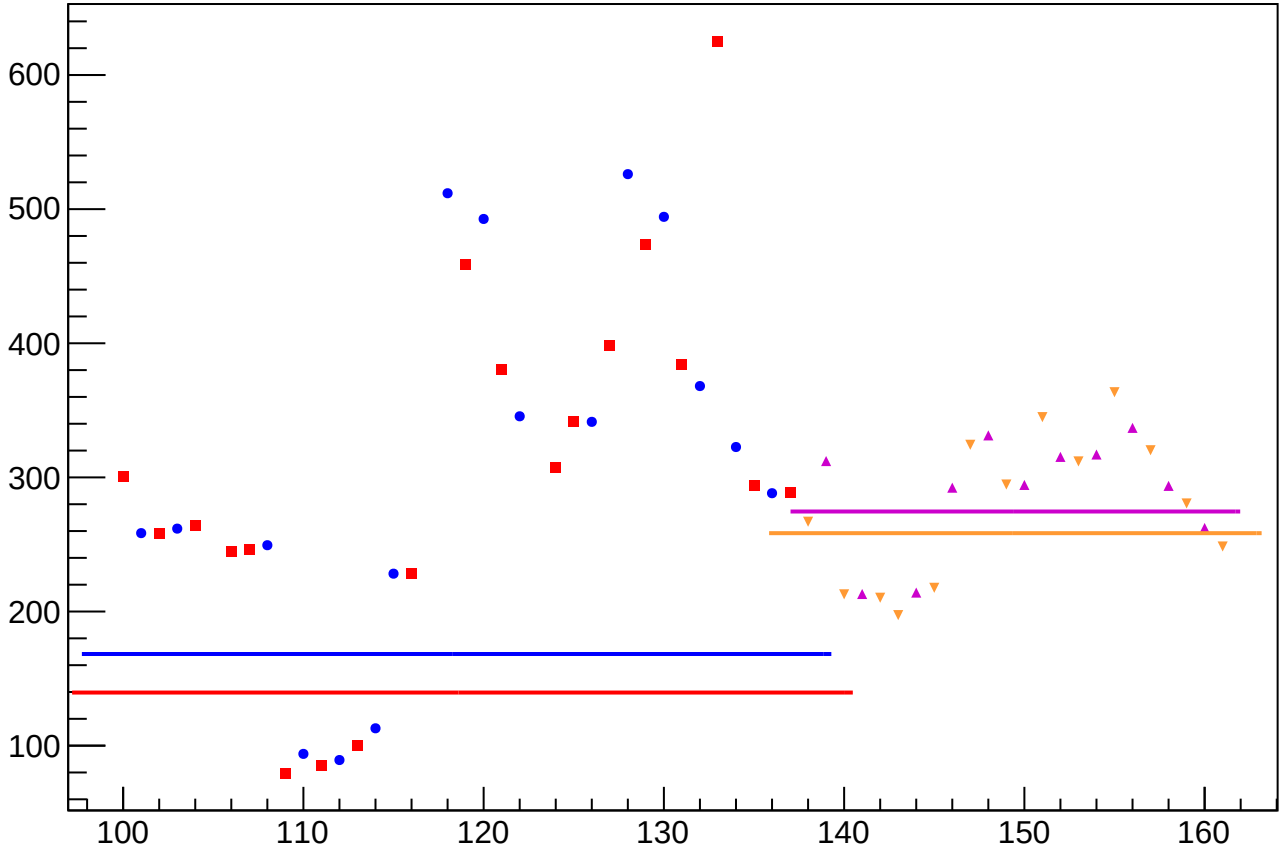
Left In: -33.931+/-90.244 χ^2/NDF:11.8/10

+ sign -212.800+/-55.878 χ^2/NDF: 49.6/28

All: -103.419+/-38.132 χ^2/NDF: 80.3/58

- sign -8.081+/-52.168 χ^2/NDF: 23.5/29

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 258.422+/-0.058 χ^2/NDF:794968.9/12

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

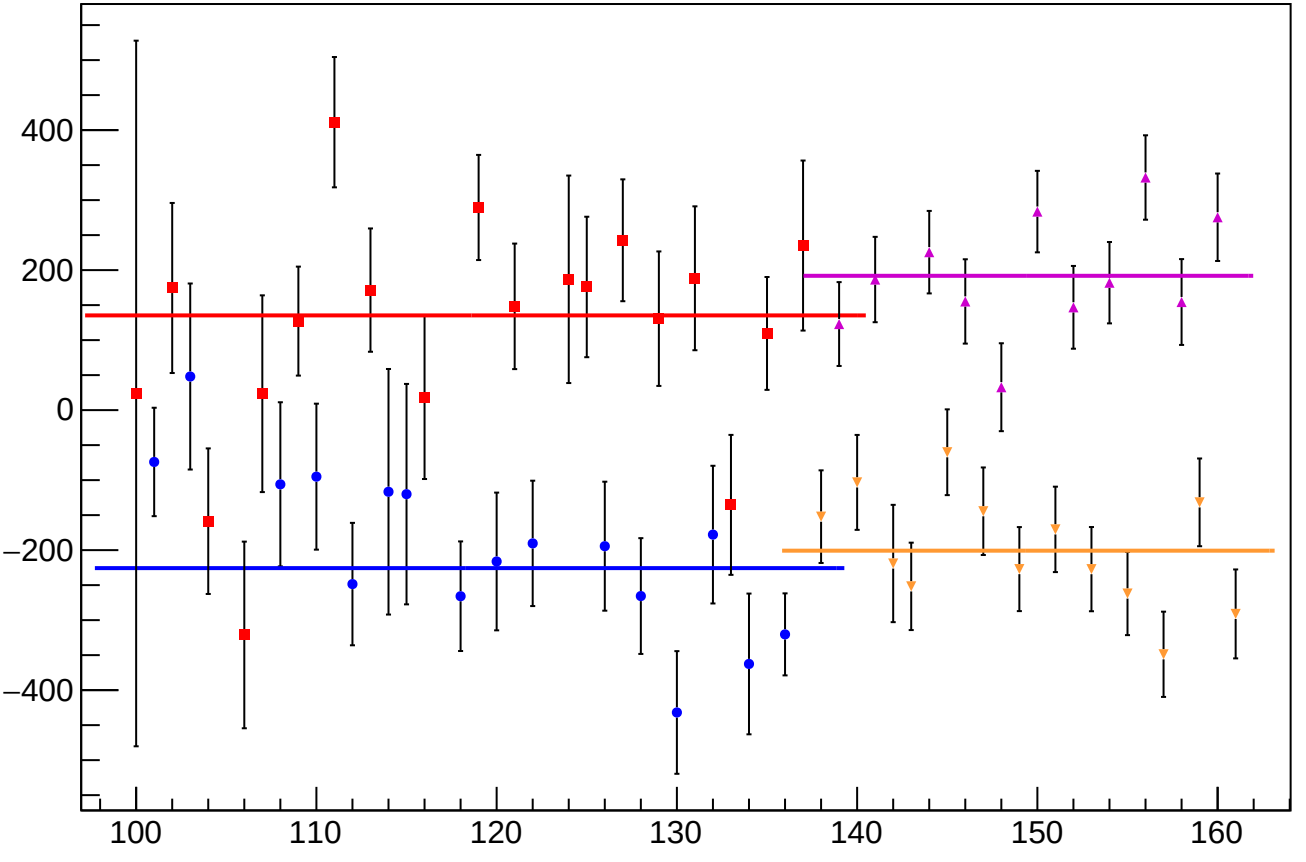
Left In: 274.570+/-0.064 χ^2/NDF:504373.8/10

+ sign 209.992+/-0.040 χ^2/NDF: 6631442.7/28

All: 196.478+/-0.027 χ^2/NDF: 15487923.2/58

- sign 184.699+/-0.037 χ^2/NDF: 8637539.6/29

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -200.774+/-17.554 χ^2/NDF:20.2/12

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

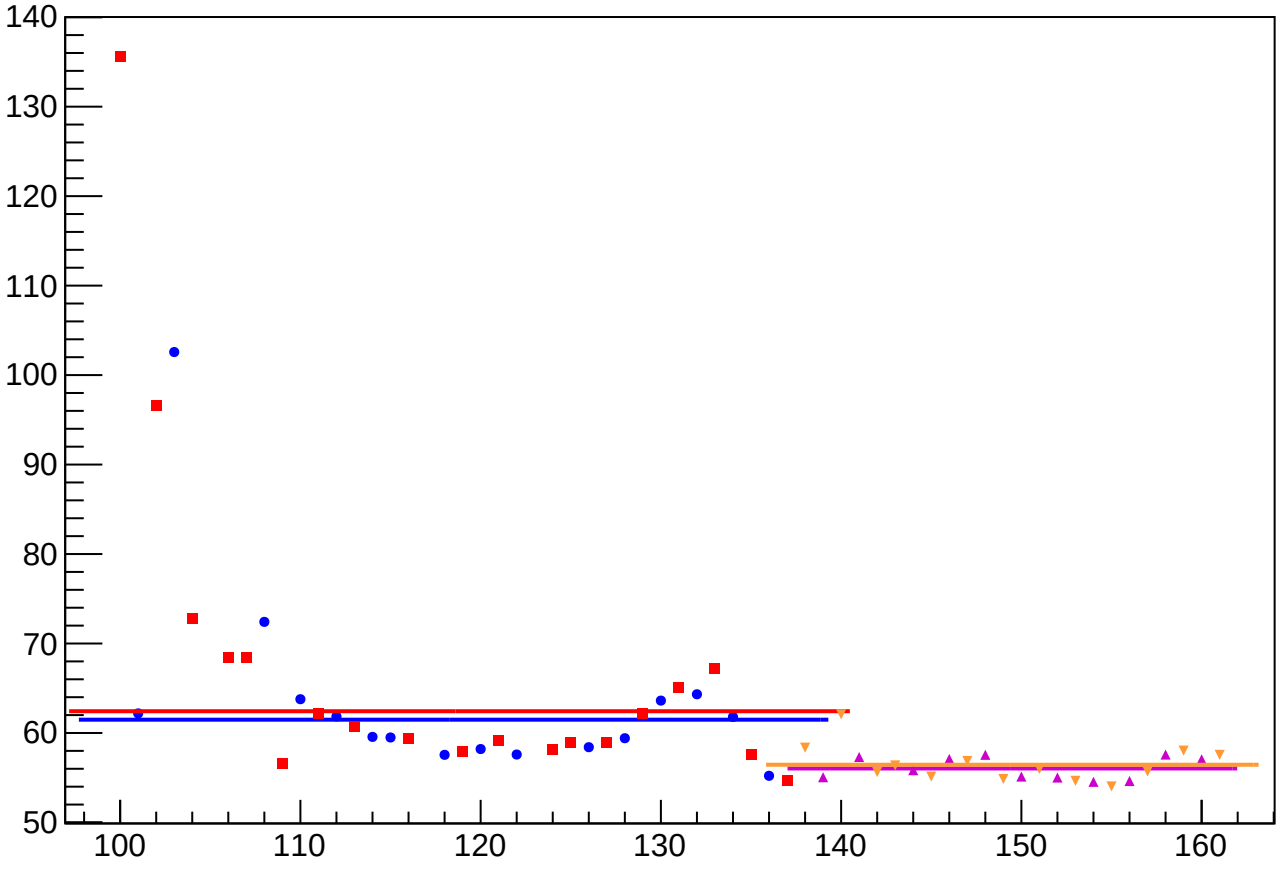
Left In: 191.876+/-18.137 χ^2/NDF:19.1/10

\+ sign -209.887+/-13.981 χ^2/NDF: 43.6/28

All: -23.896+/-9.993 χ^2/NDF: 473.2/58

\- sign 170.425+/-14.290 χ^2/NDF: 67.7/29

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.451+/-0.012 χ^2/NDF:25490.2/12

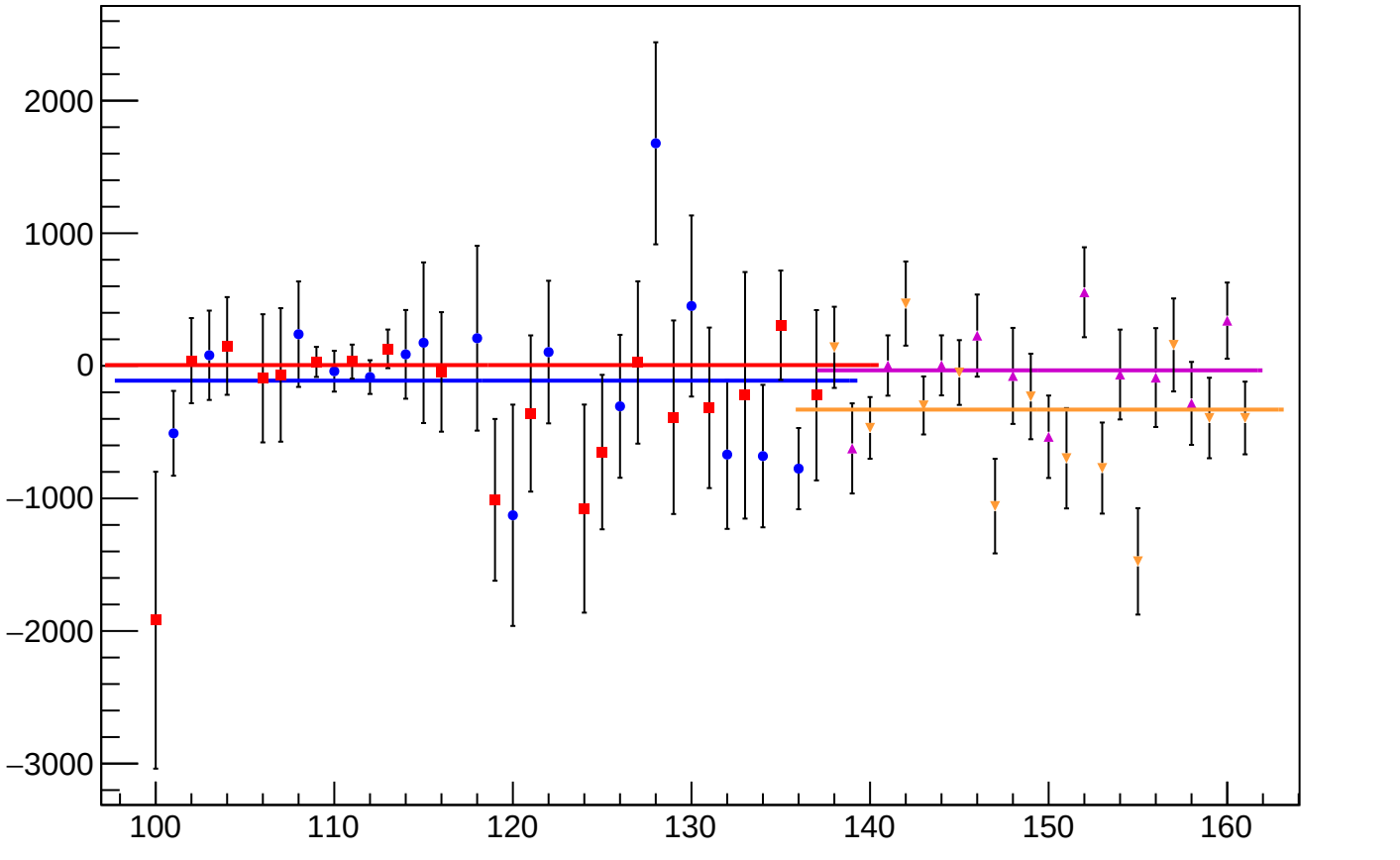
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.032+/-0.013 χ^2/NDF:8542.7/10

+ sign 58.293+/-0.010 χ^2/NDF: 336323.7/28

All: 58.374+/-0.007 χ^2/NDF: 718872.9/58

- sign 58.459+/-0.010 χ^2/NDF: 382409.9/29



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -330.108+/-82.170 χ^2/NDF:27.4/12

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

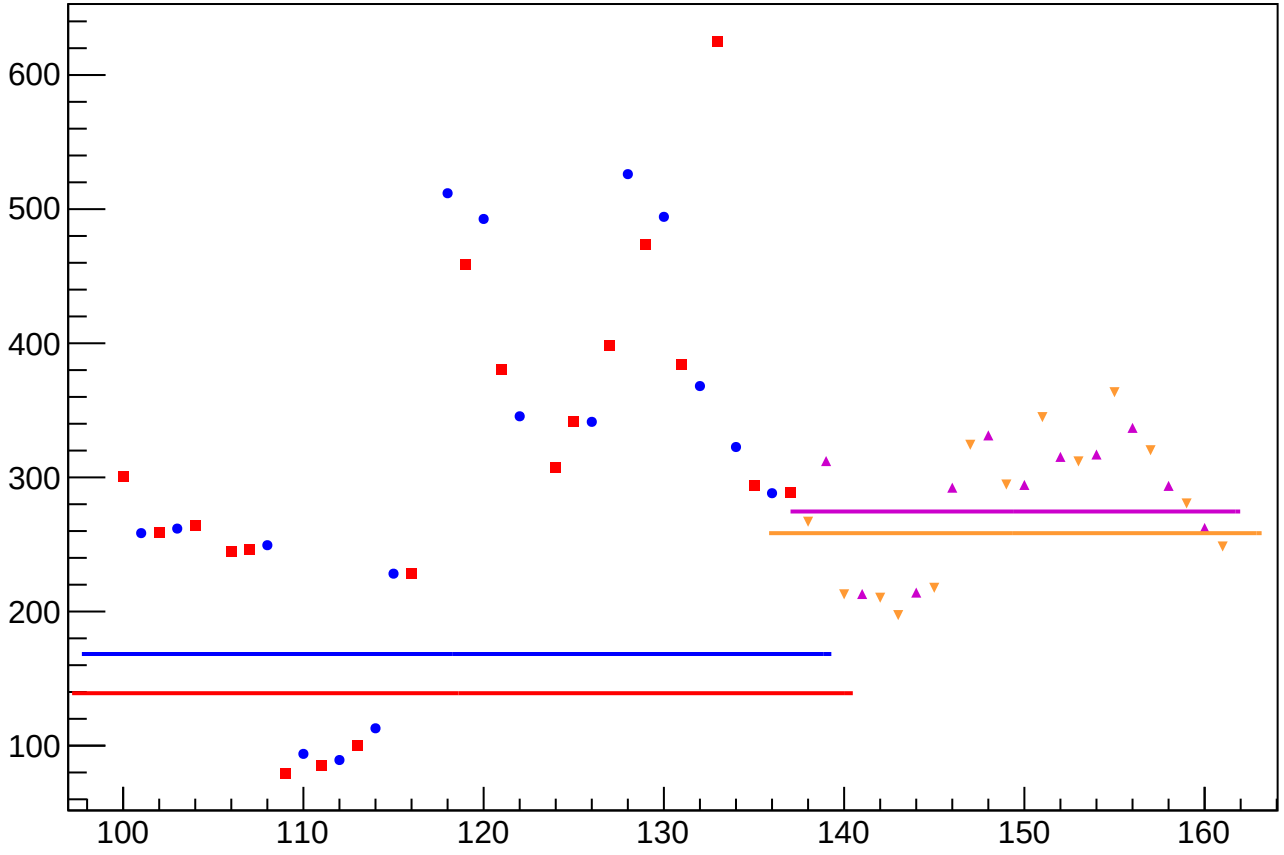
Left In: -33.929+/-90.244 χ^2/NDF:11.8/10

+ sign -212.791+/-55.878 χ^2/NDF: 49.7/28

All: -103.341+/-38.165 χ^2/NDF: 80.3/58

- sign -7.641+/-52.250 χ^2/NDF: 23.5/29

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 258.421+/-0.058 χ^2/NDF:794973.7/12

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

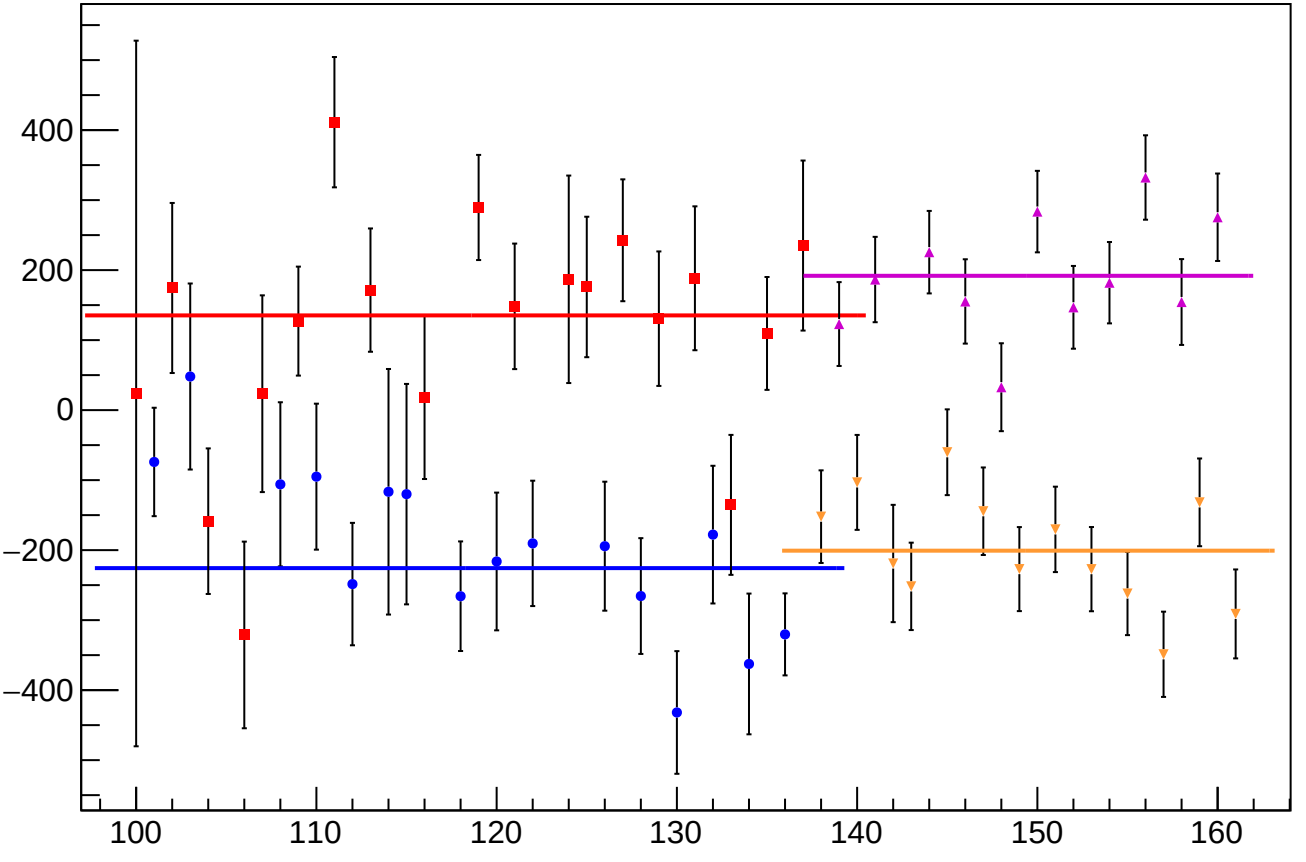
Left In: 274.570+/-0.064 χ^2/NDF:504374.0/10

+ sign 209.992+/-0.040 χ^2/NDF: 6631483.5/28

All: 196.401+/-0.027 χ^2/NDF: 15483504.8/58

- sign 184.517+/-0.037 χ^2/NDF: 8630239.4/29

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -200.774+/-17.554 χ^2/NDF:20.2/12

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

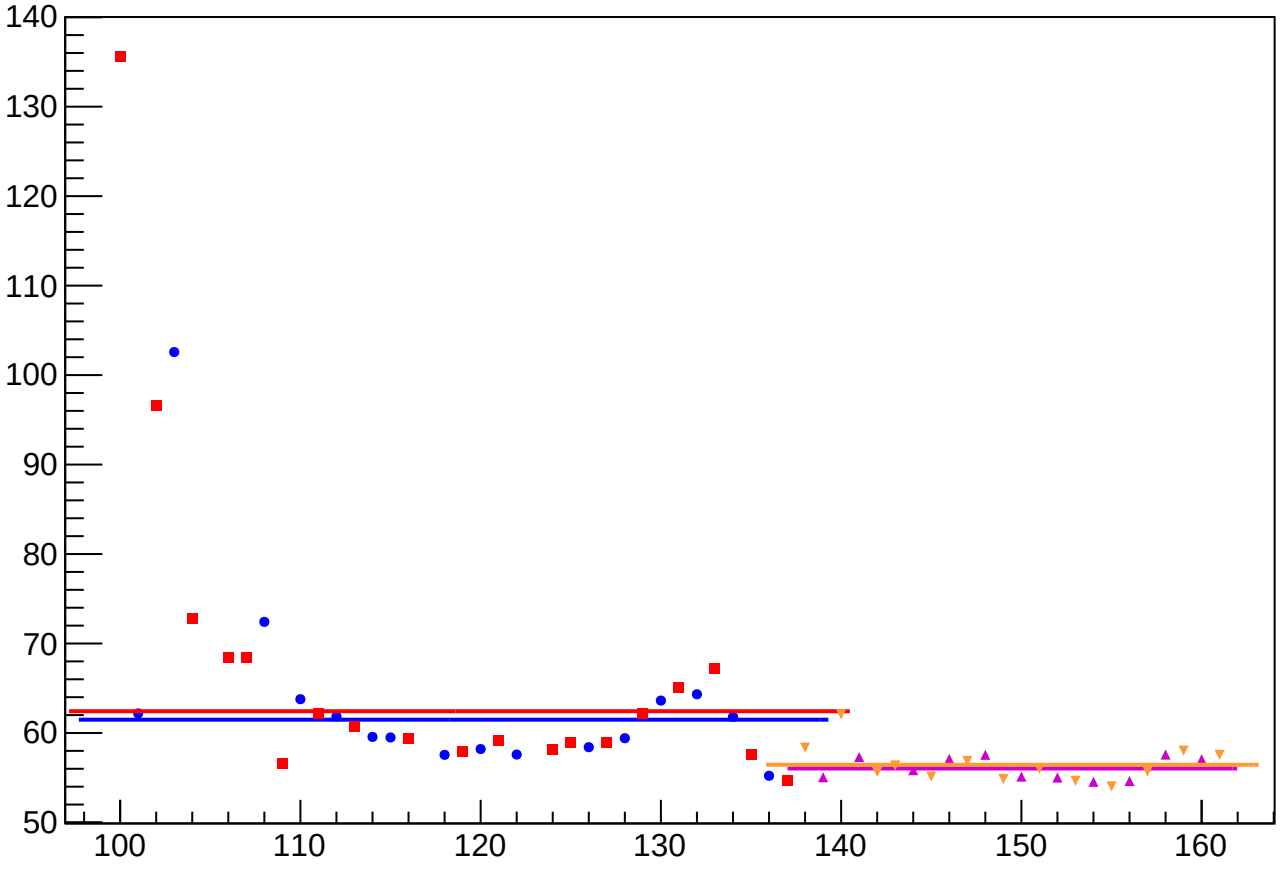
Left In: 191.876+/-18.137 χ^2/NDF:19.1/10

\+ sign -209.887+/-13.981 χ^2/NDF: 43.6/28

All: -23.896+/-9.993 χ^2/NDF: 473.2/58

\- sign 170.425+/-14.290 χ^2/NDF: 67.7/29

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.451+/-0.012 χ^2/NDF:25490.2/12

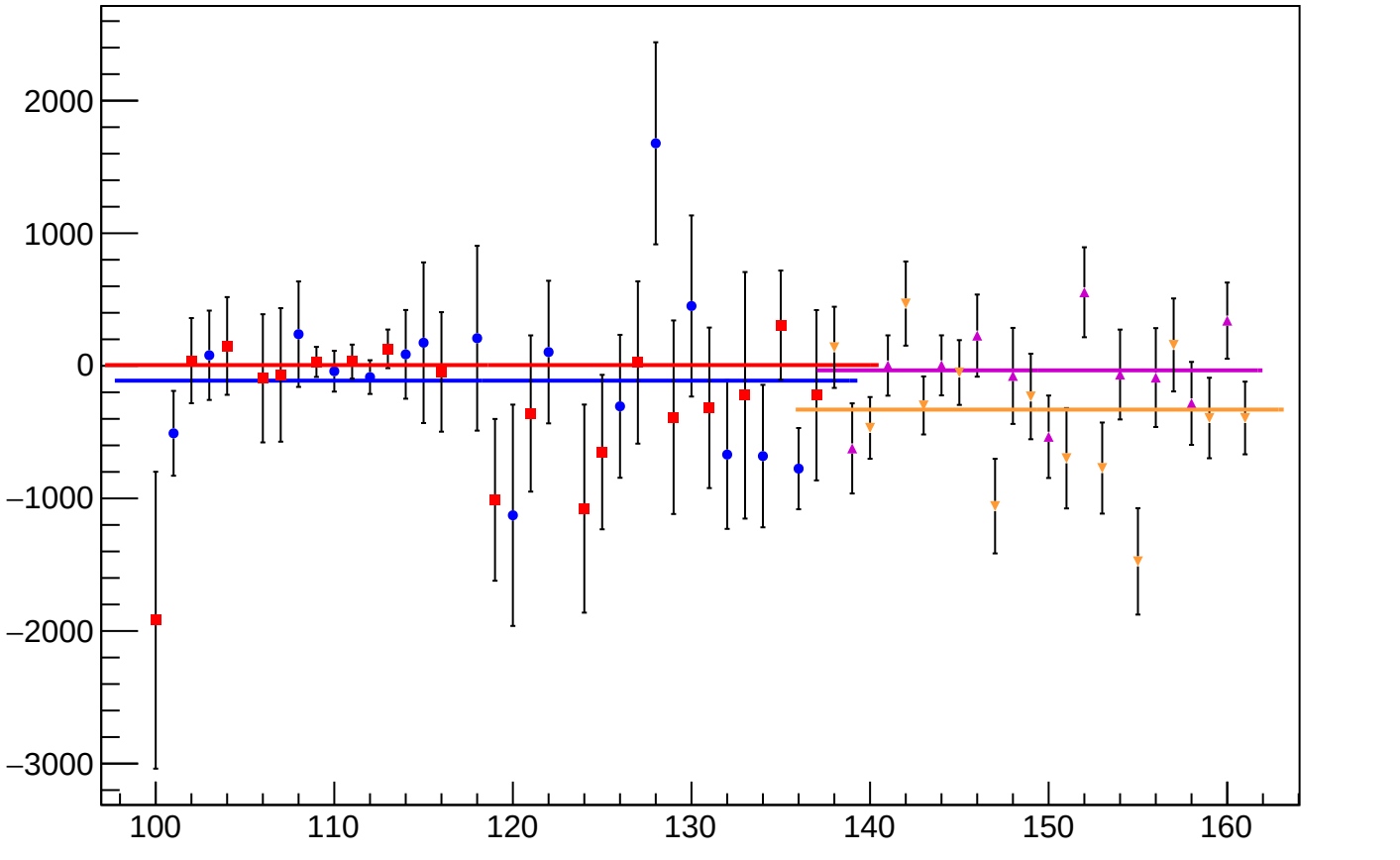
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.032+/-0.013 χ^2/NDF:8542.7/10

+ sign 58.293+/-0.010 χ^2/NDF: 336323.7/28

All: 58.374+/-0.007 χ^2/NDF: 718872.9/58

- sign 58.459+/-0.010 χ^2/NDF: 382409.9/29



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -330.108+/-82.170 χ^2/NDF:27.4/12

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

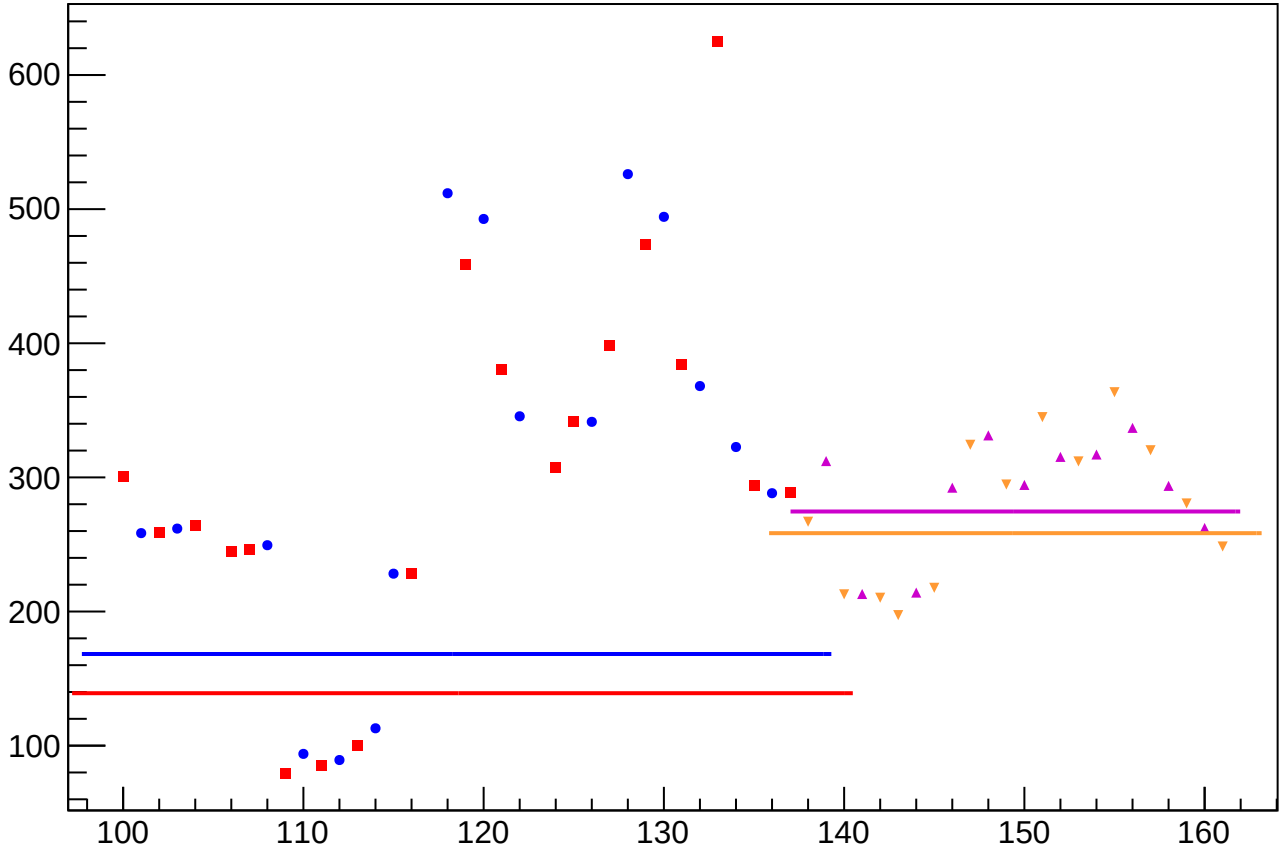
Left In: -33.929+/-90.244 χ^2/NDF:11.8/10

+ sign -212.791+/-55.878 χ^2/NDF: 49.7/28

All: -103.341+/-38.165 χ^2/NDF: 80.3/58

- sign -7.641+/-52.250 χ^2/NDF: 23.5/29

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 258.421+/-0.058 χ^2/NDF:794973.7/12

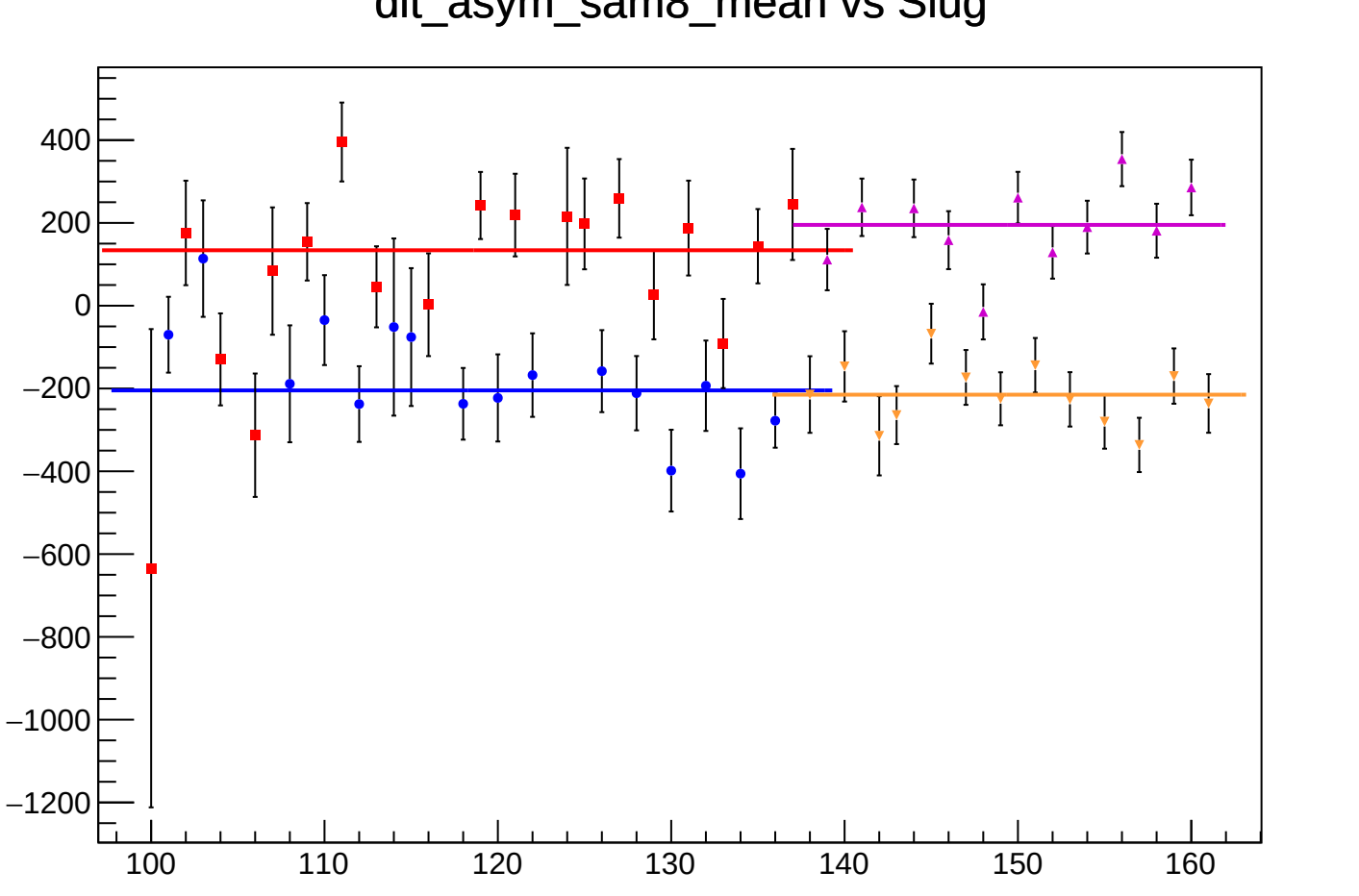
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 274.570+/-0.064 χ^2/NDF:504374.0/10

+ sign 209.992+/-0.040 χ^2/NDF: 6631483.5/28

All: 196.401+/-0.027 χ^2/NDF: 15483504.8/58

- sign 184.517+/-0.037 χ^2/NDF: 8630239.4/29



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -214.933+/-19.670 χ^2/NDF:13.0/12

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

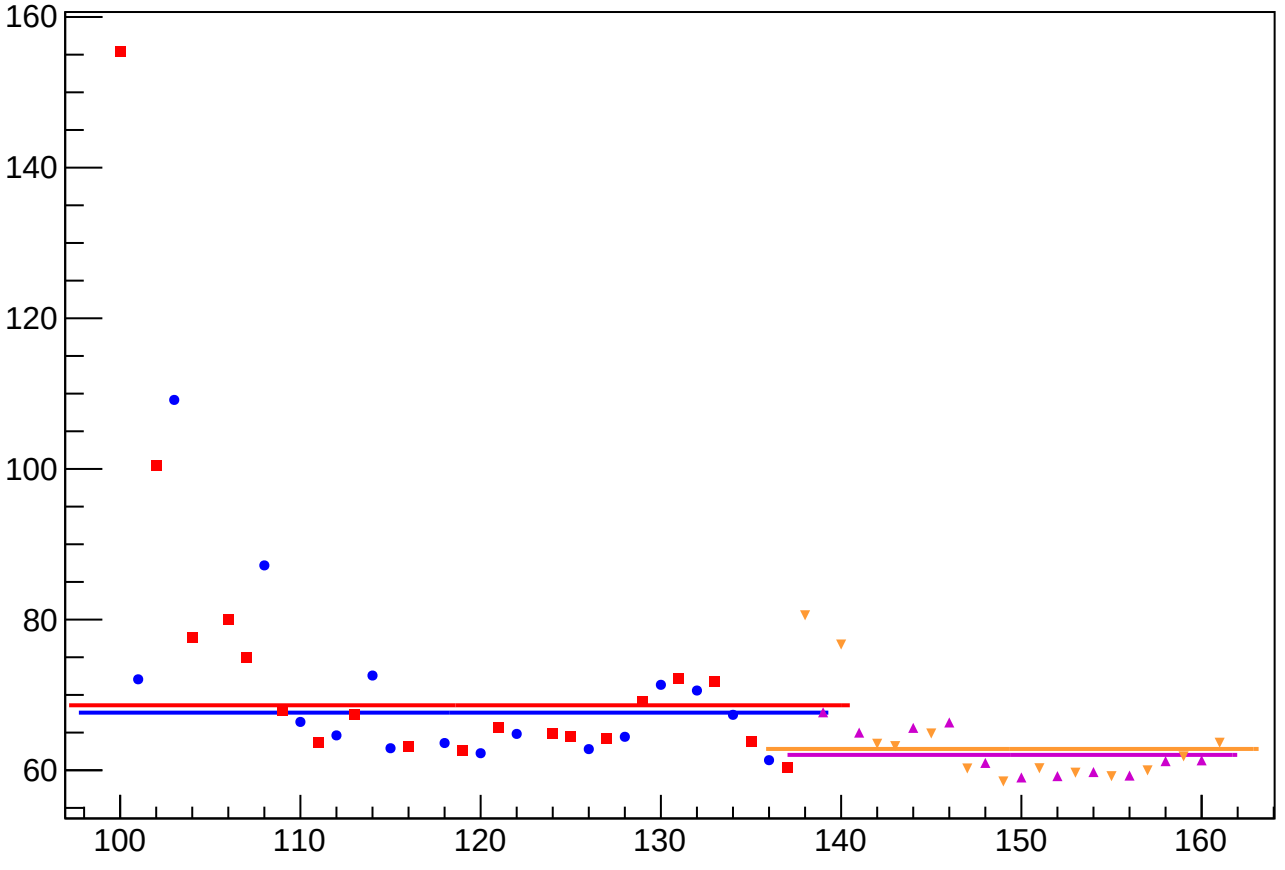
Left In: 195.220+/-20.133 χ^2/NDF:22.2/10

+ sign -211.074+/-15.580 χ^2/NDF: 33.1/28

All: -22.356+/-11.093 χ^2/NDF: 393.6/58

- sign 171.665+/-15.797 χ^2/NDF: 63.0/29

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 62.829+/-0.014 χ^2/NDF:158993.8/12

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

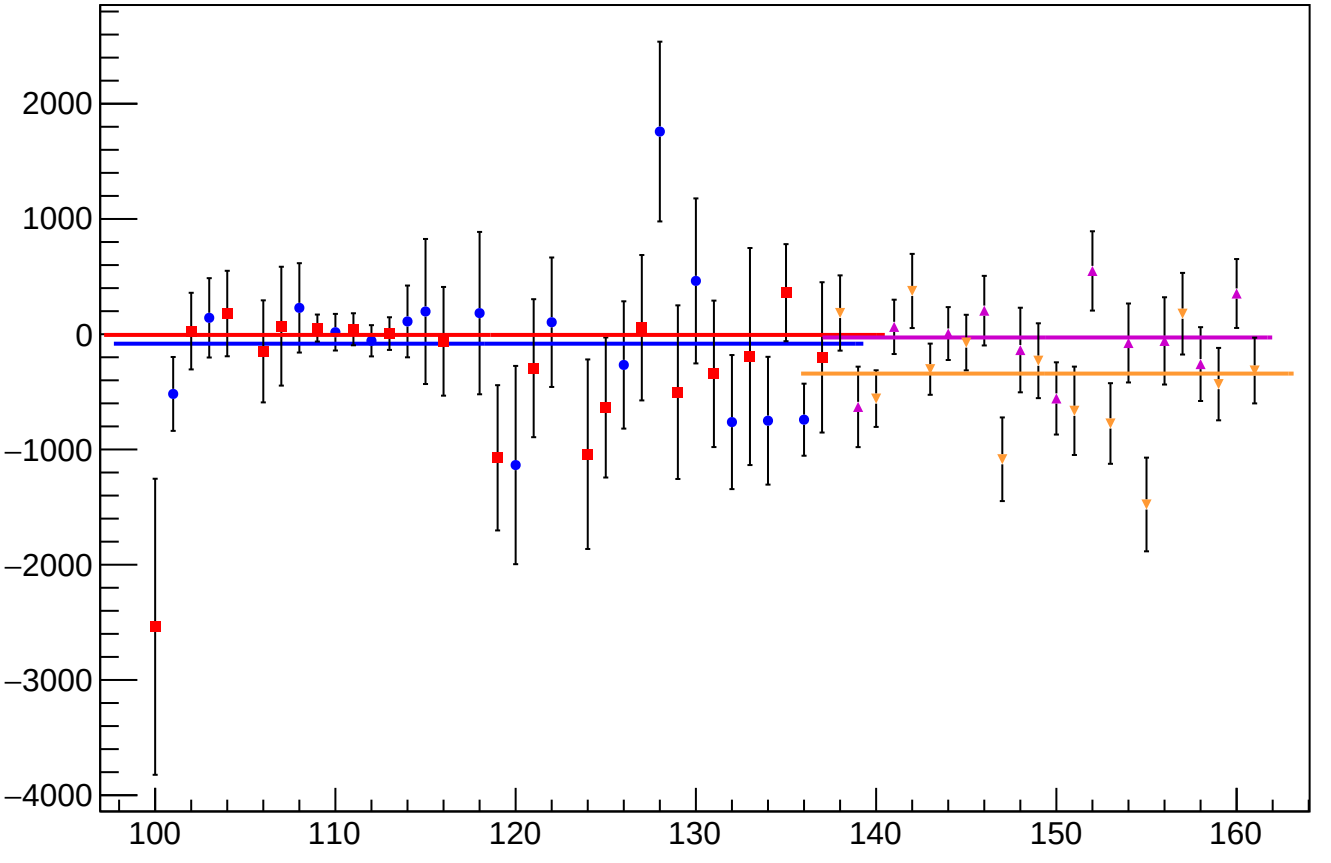
Left In: 62.039+/-0.014 χ^2/NDF:43822.0/10

+ sign 64.624+/-0.011 χ^2/NDF: 467388.6/28

All: 64.597+/-0.008 χ^2/NDF: 841621.8/58

- sign 64.569+/-0.011 χ^2/NDF: 374220.9/29

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -341.581+/-84.048 χ^2/NDF:26.2/12

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

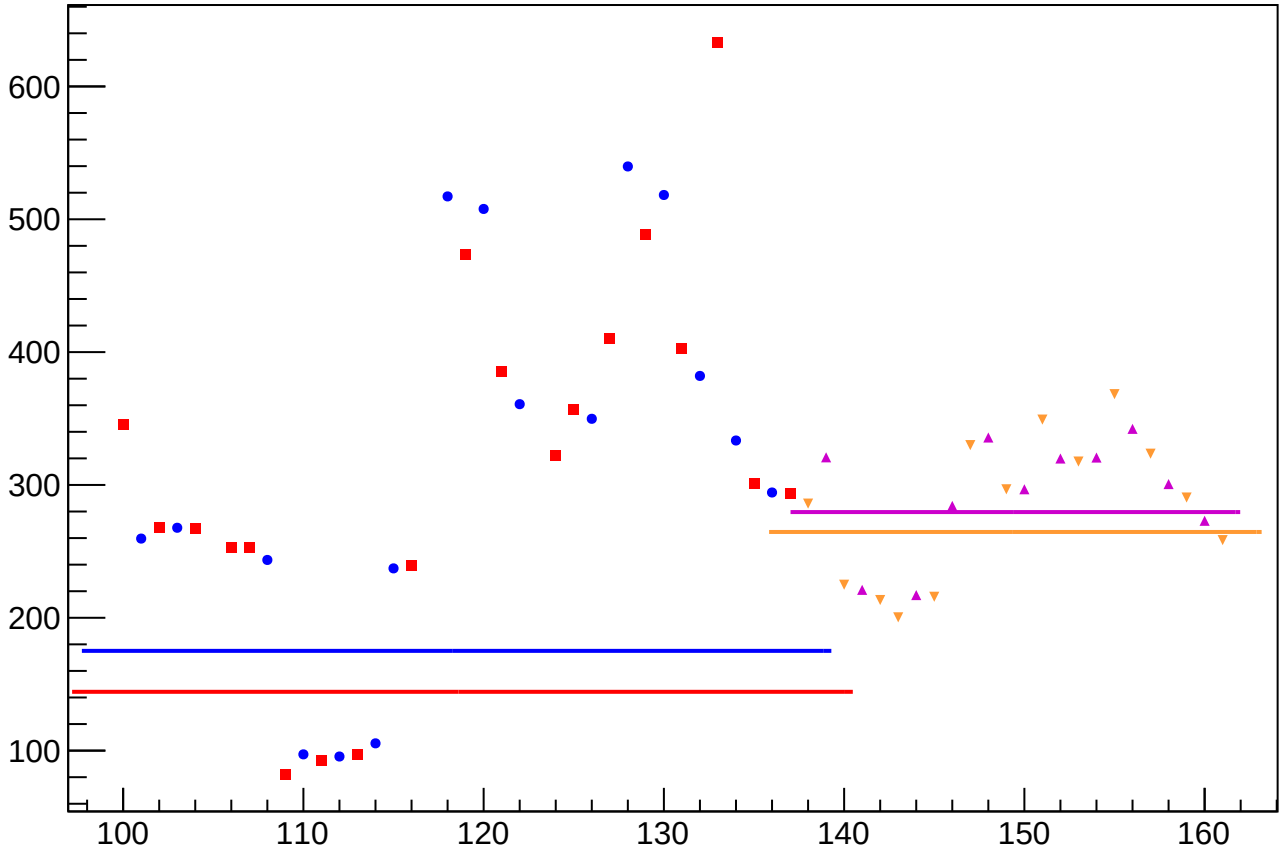
Left In: -28.259+/-91.809 χ^2/NDF:11.7/10

+ sign -203.352+/-57.438 χ^2/NDF: 50.5/28

All: -101.829+/-39.165 χ^2/NDF: 80.1/58

- sign -13.612+/-53.542 χ^2/NDF: 23.8/29

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 264.609+/-0.059 χ^2/NDF:788742.0/12

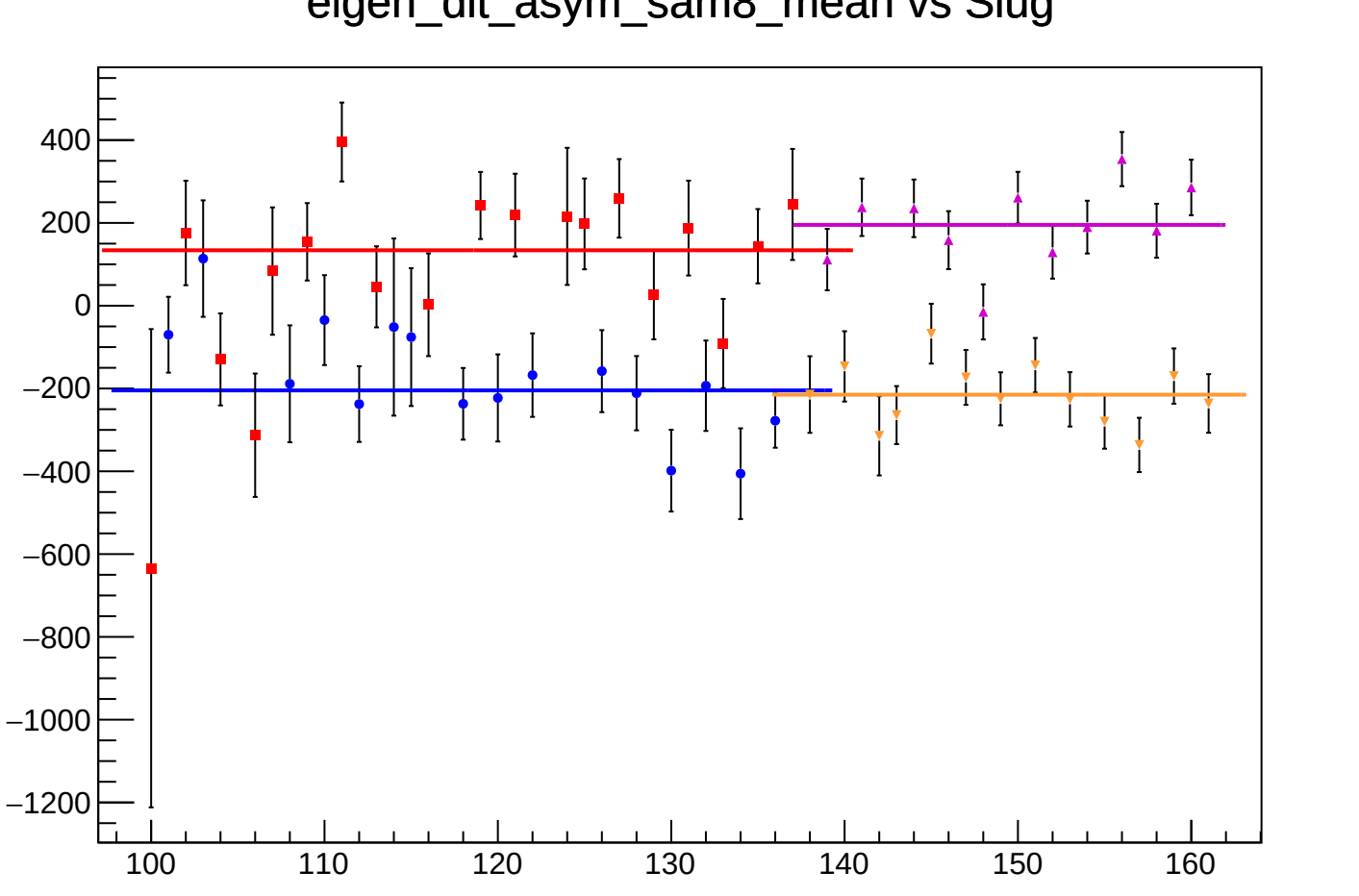
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 279.584+/-0.065 χ^2/NDF:473392.0/10

+ sign 216.902+/-0.041 χ^2/NDF: 6426806.0/28

All: 202.666+/-0.028 χ^2/NDF: 15128955.3/58

- sign 190.295+/-0.038 χ^2/NDF: 8472504.1/29



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -214.932+/-19.670 χ^2/NDF:13.0/12

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

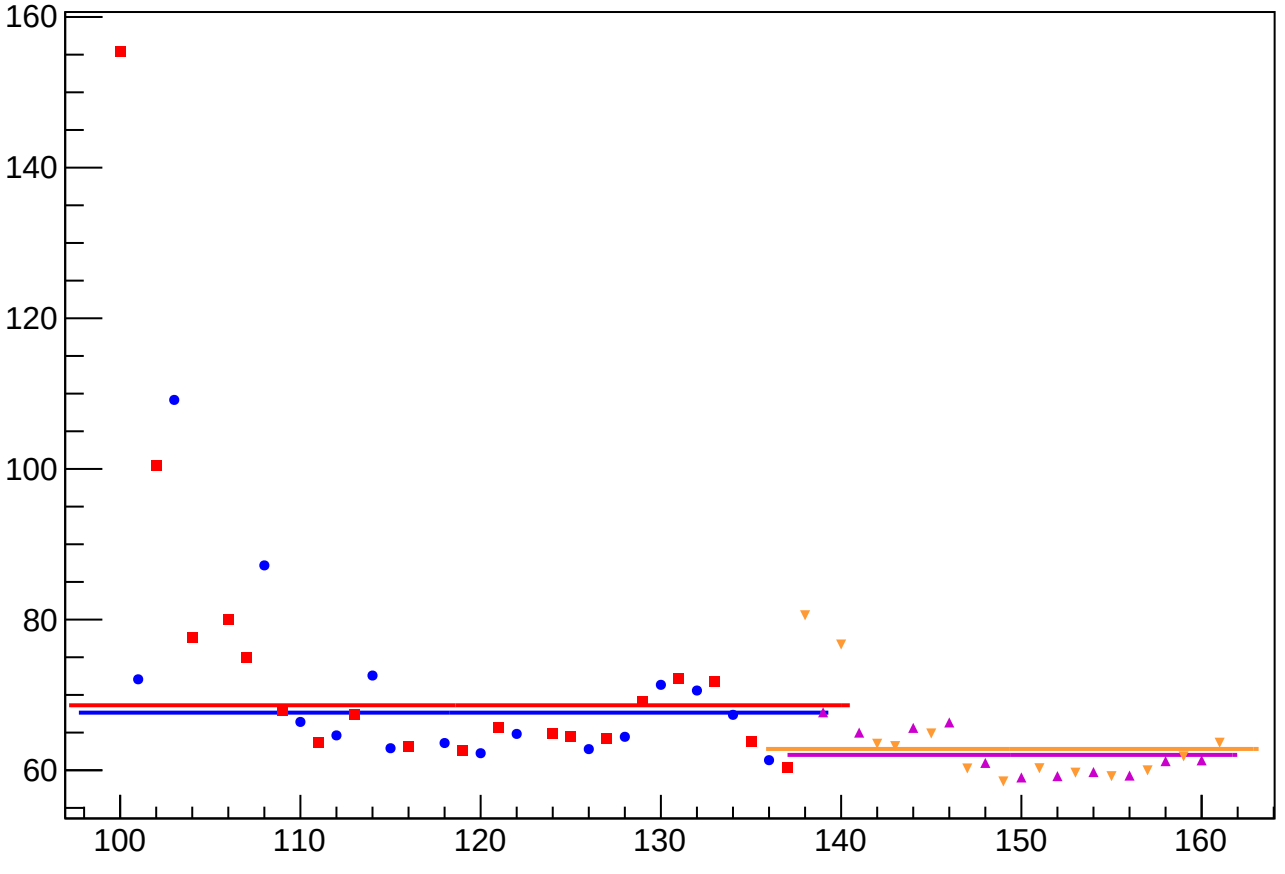
Left In: 195.221+/-20.133 χ^2/NDF:22.2/10

+ sign -211.073+/-15.580 χ^2/NDF: 33.1/28

All: -22.355+/-11.093 χ^2/NDF: 393.6/58

- sign 171.666+/-15.797 χ^2/NDF: 63.0/29

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 62.829+/-0.014 χ^2/NDF:158992.8/12

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

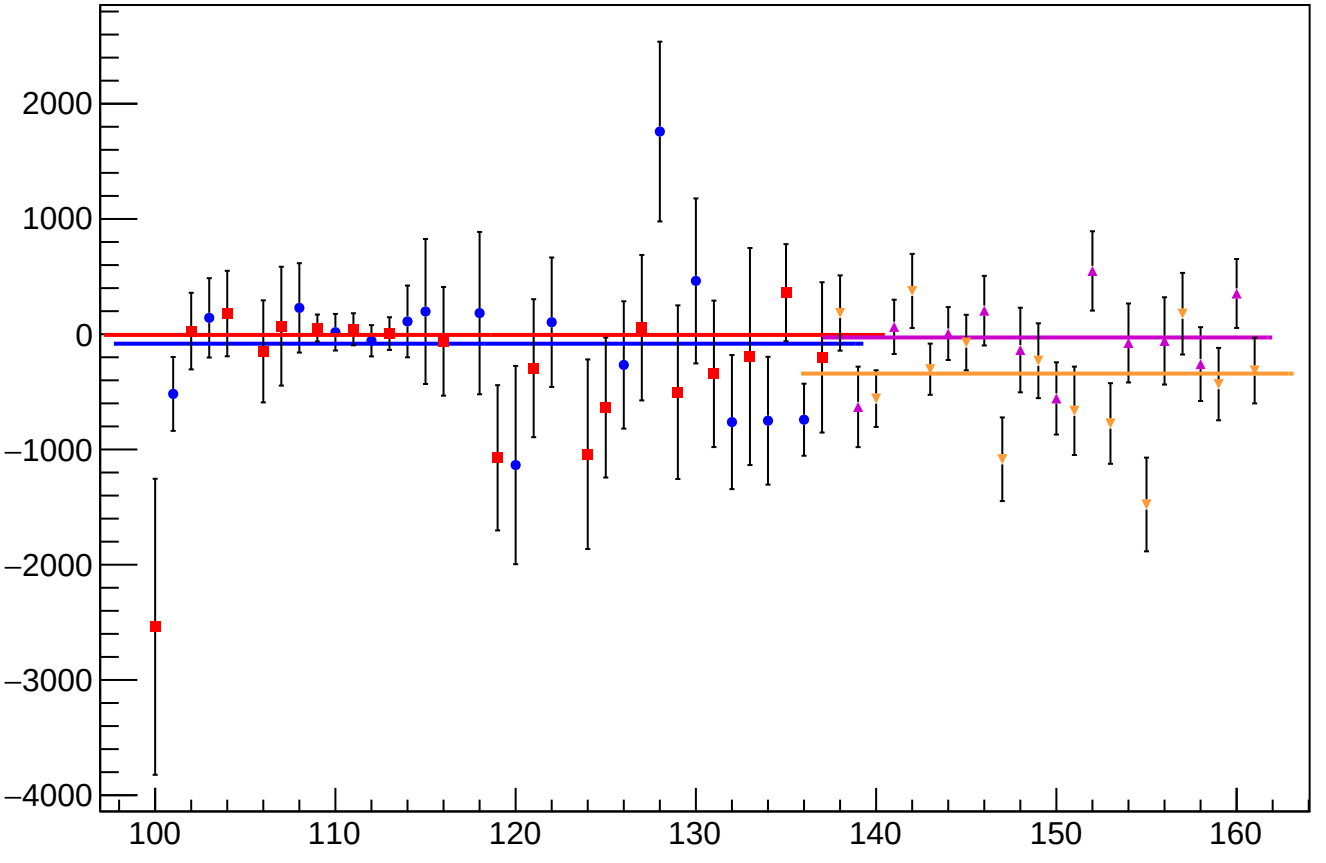
Left In: 62.039+/-0.014 χ^2/NDF:43822.8/10

+ sign 64.624+/-0.011 χ^2/NDF: 467382.6/28

All: 64.597+/-0.008 χ^2/NDF: 841612.0/58

- sign 64.569+/-0.011 χ^2/NDF: 374217.1/29

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -341.580+/-84.047 χ^2/NDF:26.2/12

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

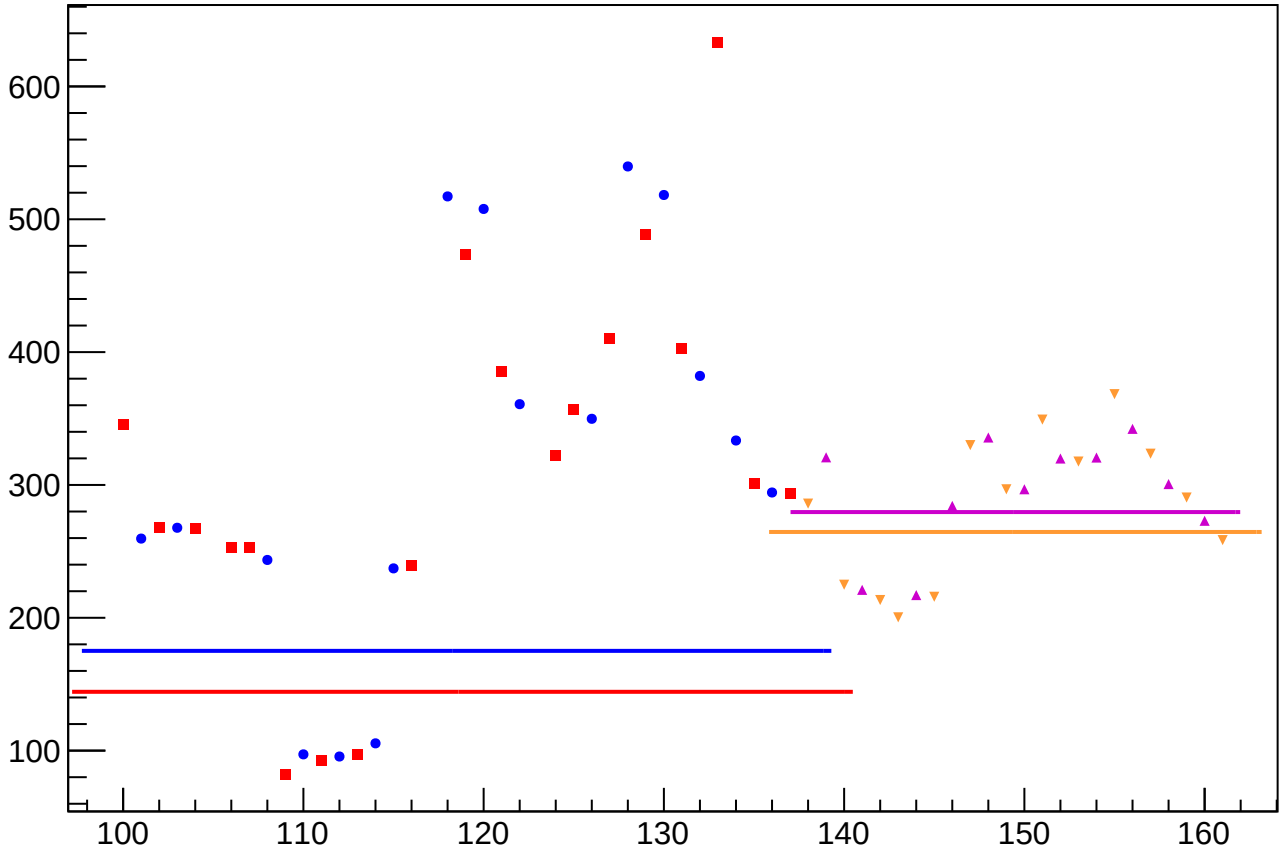
Left In: -28.258+/-91.809 χ^2/NDF:11.7/10

+ sign -203.350+/-57.437 χ^2/NDF: 50.5/28

All: -101.828+/-39.164 χ^2/NDF: 80.1/58

- sign -13.611+/-53.541 χ^2/NDF: 23.8/29

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 264.608+/-0.059 χ^2/NDF:788750.1/12

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

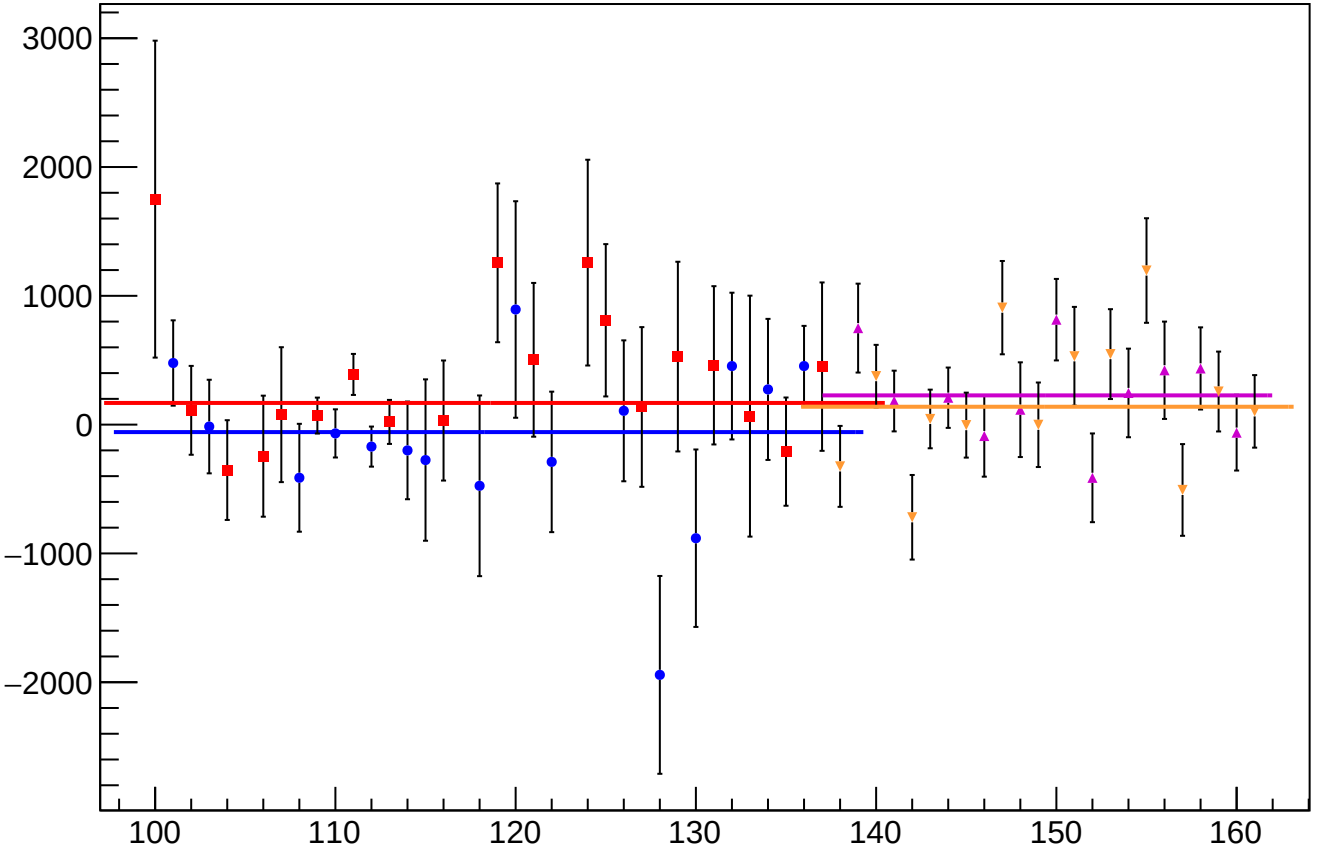
Left In: 279.583+/-0.065 χ^2/NDF:473393.0/10

+ sign 216.901+/-0.041 χ^2/NDF: 6426856.3/28

All: 202.665+/-0.028 χ^2/NDF: 15128965.0/58

- sign 190.294+/-0.038 χ^2/NDF: 8472476.7/29

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 138.794+/-84.430 χ^2/NDF:27.8/12

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

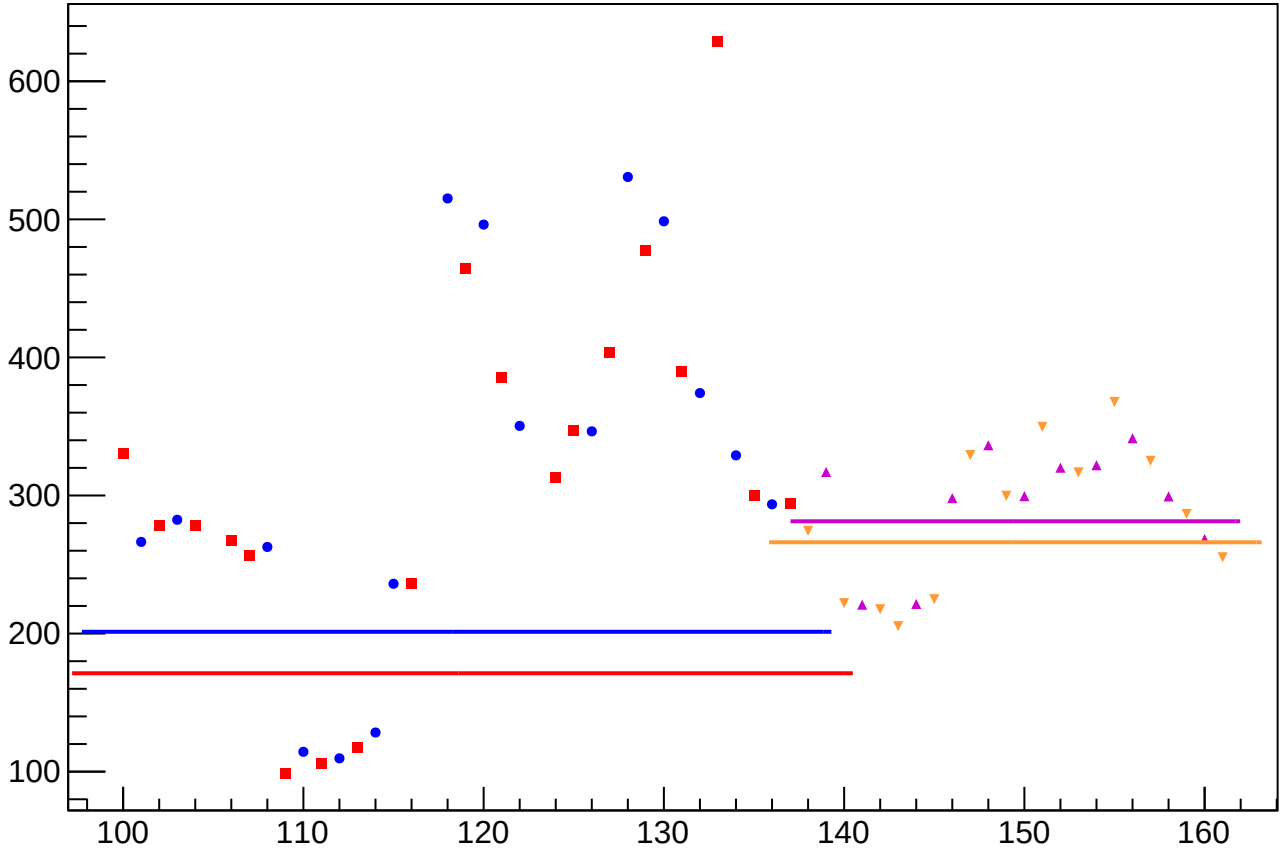
Left In: 227.024+/-92.322 χ^2/NDF:12.0/10

+ sign 43.237+/-60.552 χ^2/NDF: 47.8/28

All: 120.534+/-41.894 χ^2/NDF: 78.7/58

- sign 191.509+/-58.023 χ^2/NDF: 27.7/29

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 266.133+/-0.060 χ^2/NDF:717939.4/12

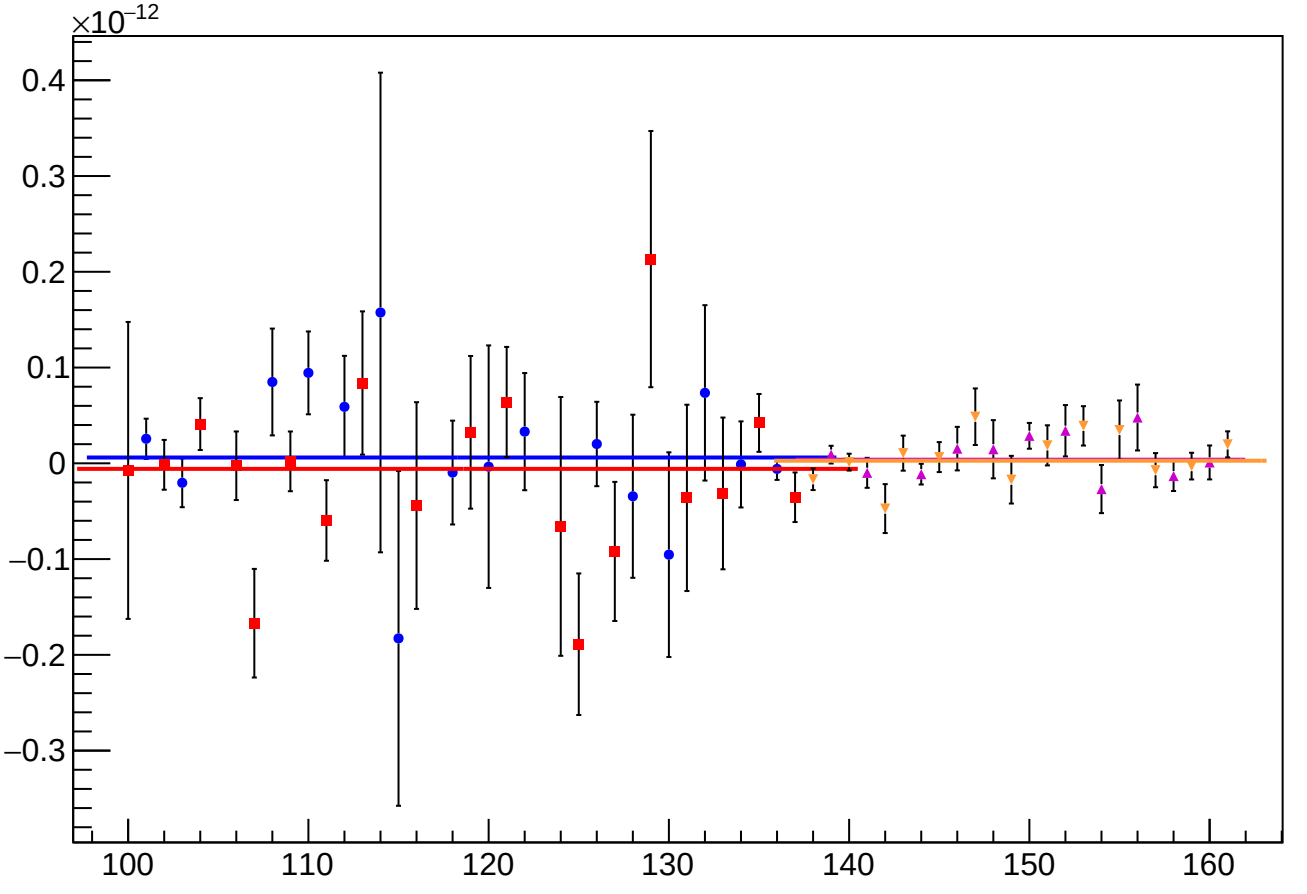
Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 281.315+/-0.065 χ^2/NDF:454598.1/10

+ sign 234.648+/-0.043 χ^2/NDF: 4862840.4/28

All: 224.263+/-0.030 χ^2/NDF: 11342597.0/58

- sign 214.727+/-0.041 χ^2/NDF: 6366908.2/29



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

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/12

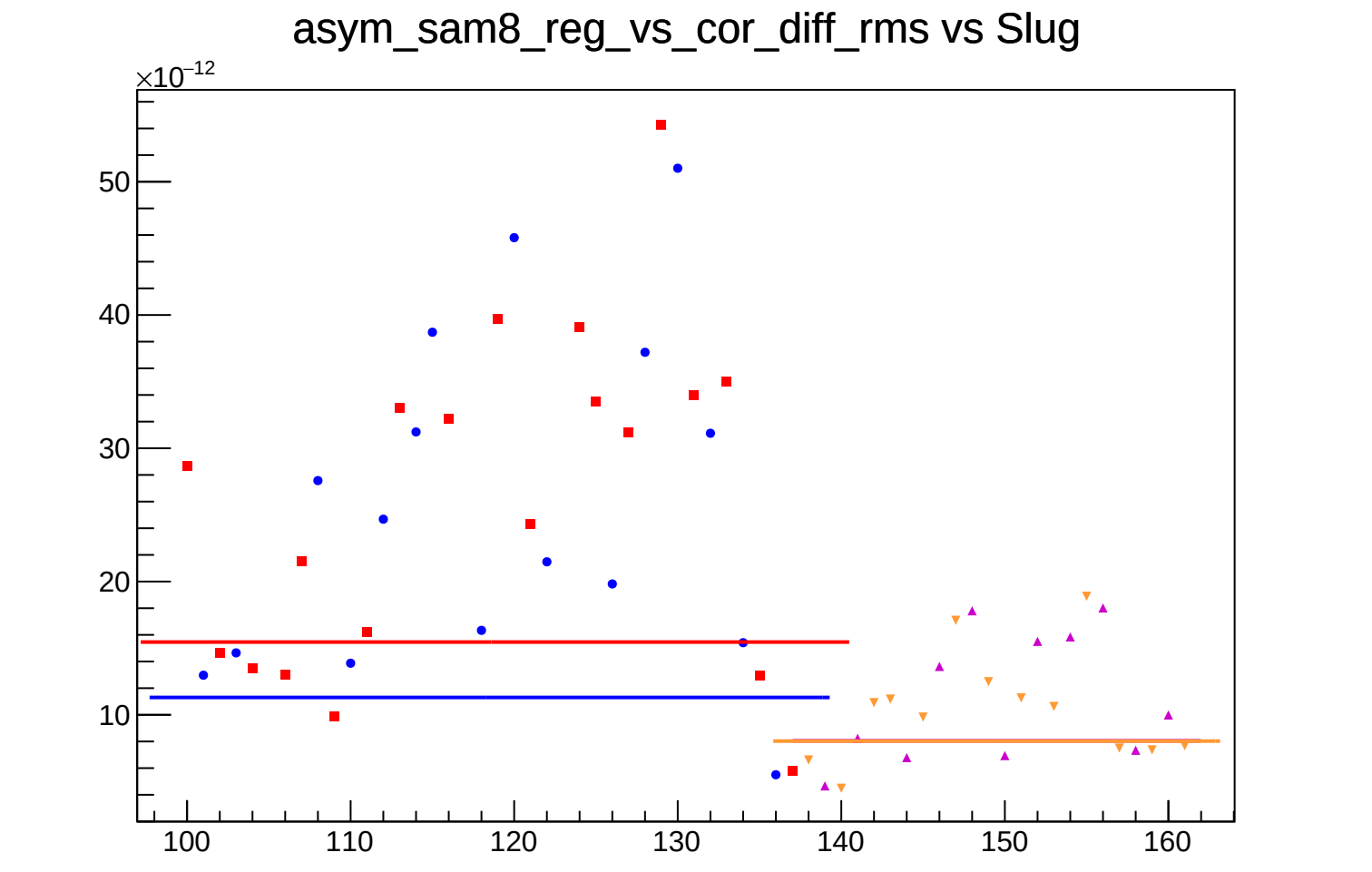
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 30.9/28

All: 0.000+/-0.000 χ^2/NDF: 74.6/58

- sign 0.000+/-0.000 χ^2/NDF: 43.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1053661.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

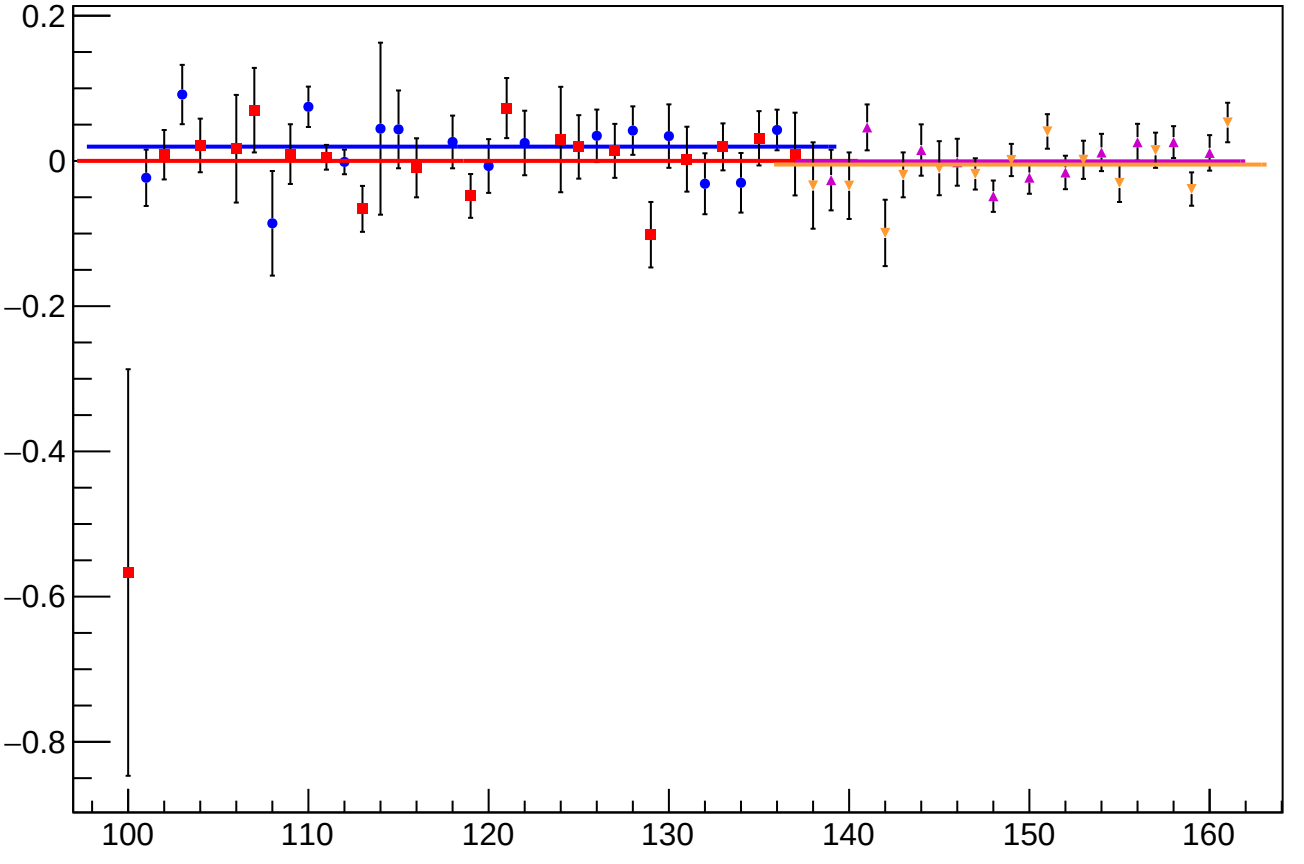
Left In: 0.000+/-0.000 χ^2/NDF:1179304.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 3087292.9/28

All: 0.000+/-0.000 χ^2/NDF: 6599410.1/58

- sign 0.000+/-0.000 χ^2/NDF: 3488828.1/29

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.008 χ^2/NDF:17.6/12

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

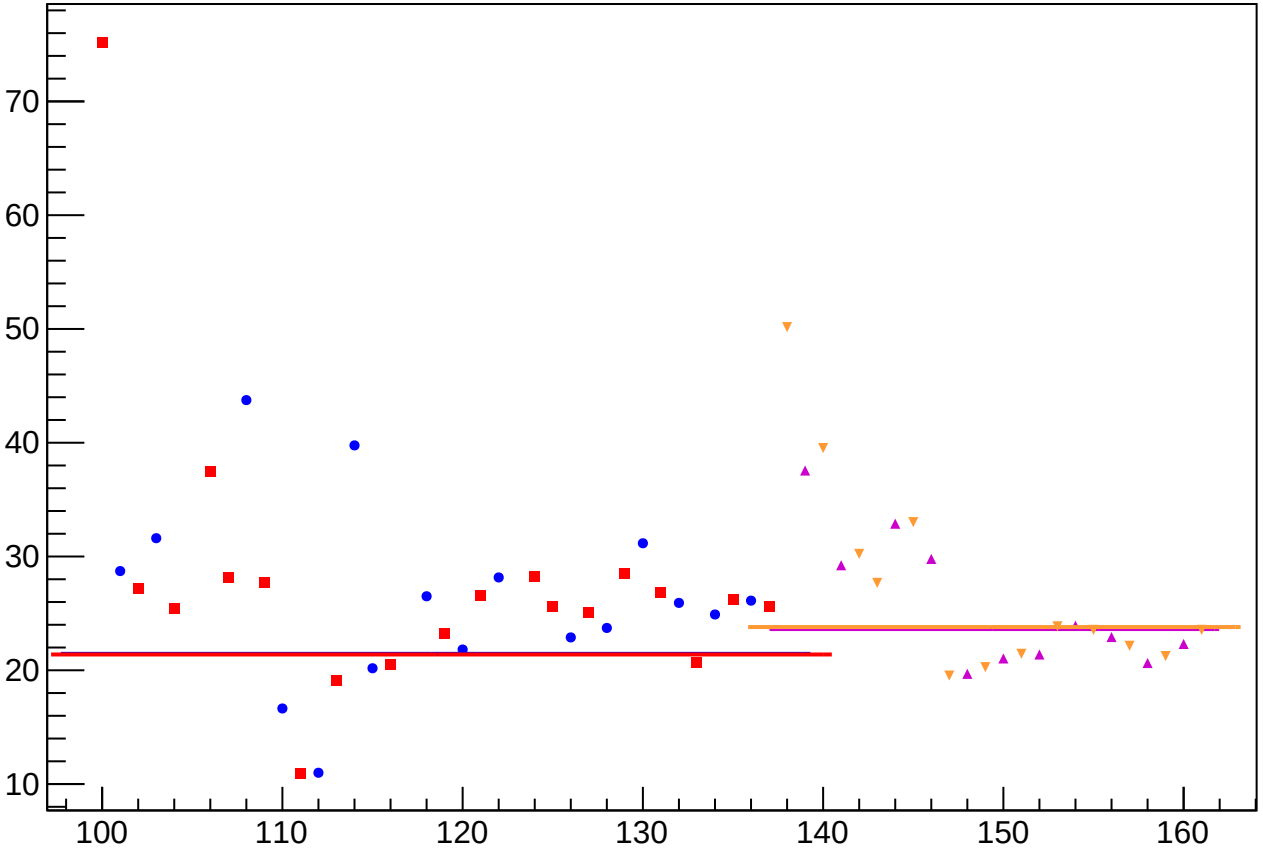
Left In: -0.001+/-0.008 χ^2/NDF:12.2/10

+ sign 0.006+/-0.006 χ^2/NDF: 39.1/28

All: 0.003+/-0.004 χ^2/NDF: 74.7/58

- sign -0.000+/-0.006 χ^2/NDF: 35.0/29

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.800+/-0.005 χ^2/NDF:1005192.5/12

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

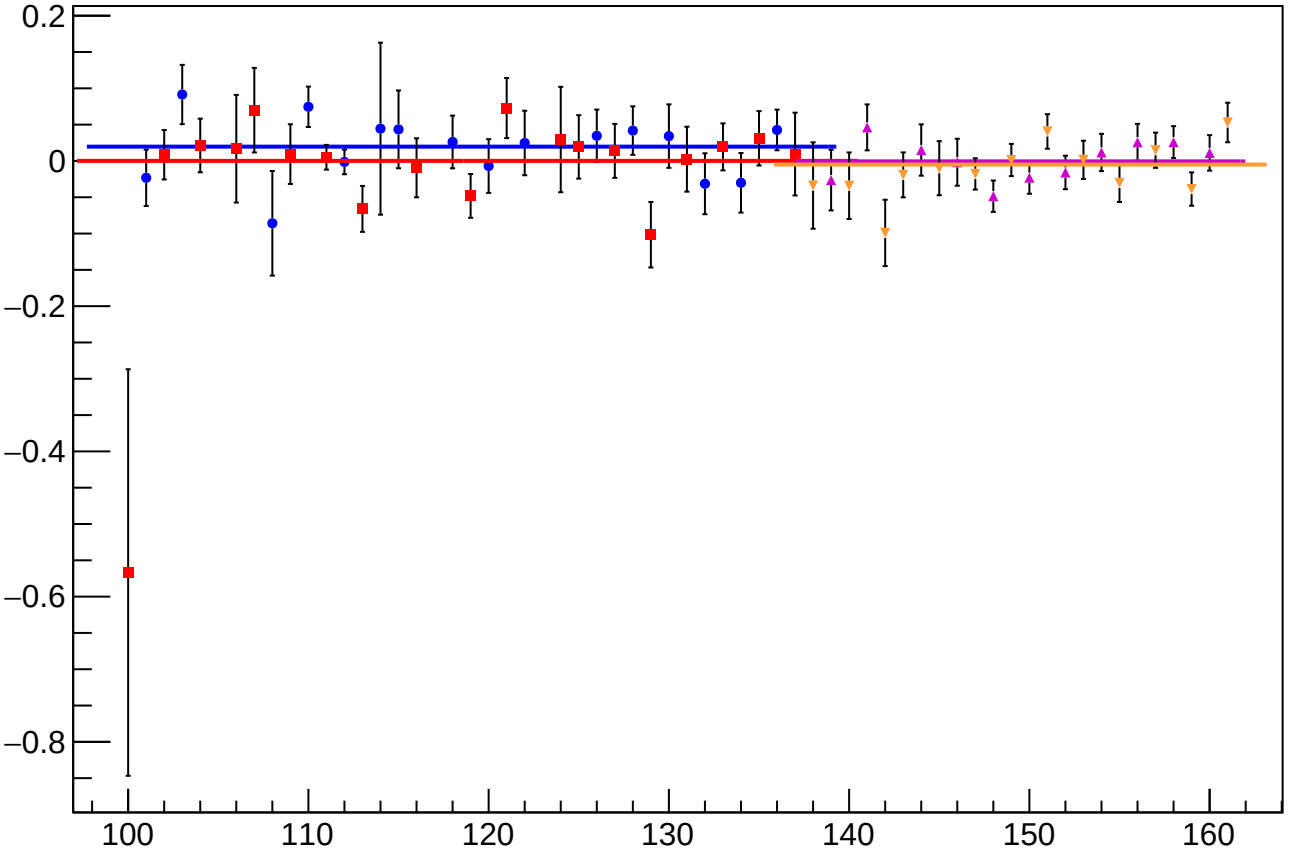
Left In: 23.624+/-0.006 χ^2/NDF:652149.1/10

+ sign 22.761+/-0.004 χ^2/NDF: 2628208.5/28

All: 22.678+/-0.003 χ^2/NDF: 4667584.5/58

- sign 22.595+/-0.004 χ^2/NDF: 2038550.4/29

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.008 χ^2/NDF:17.6/12

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

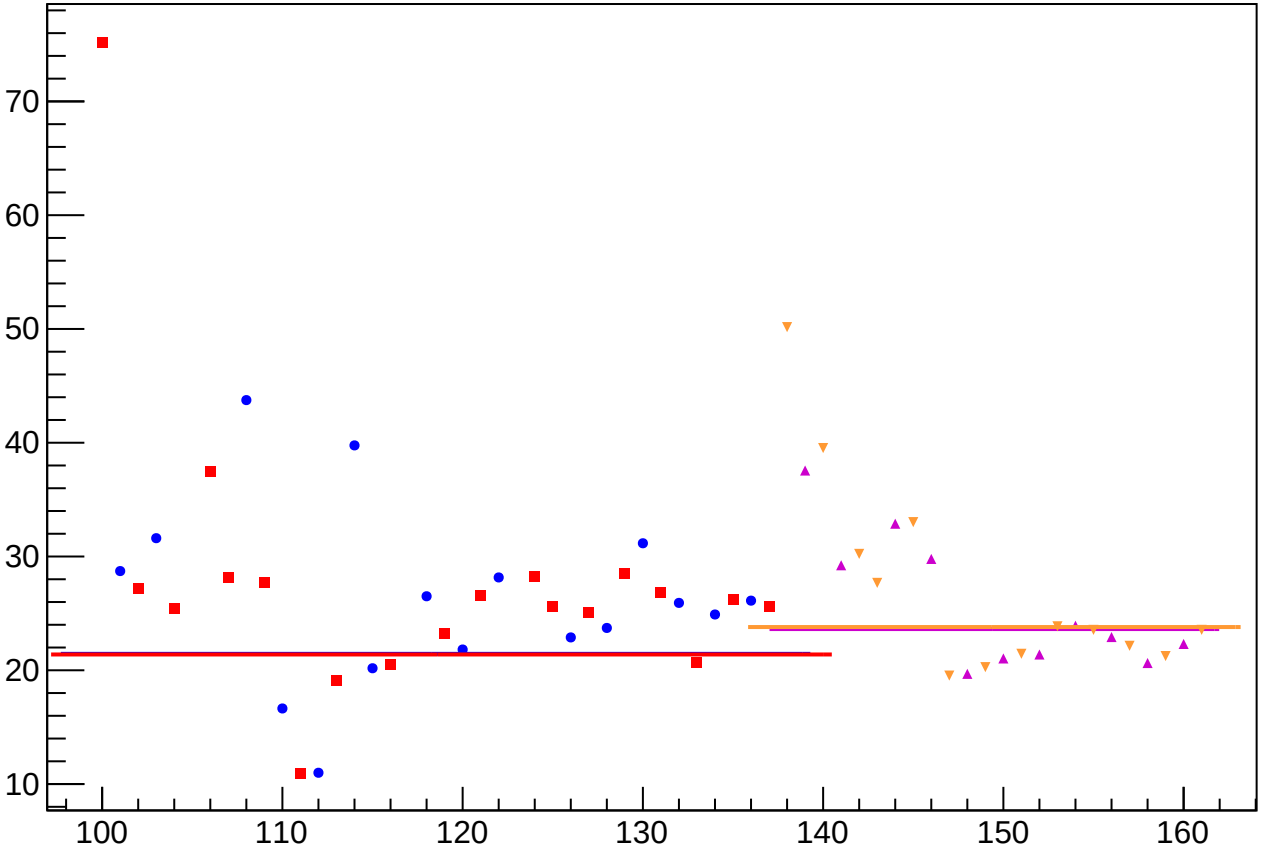
Left In: -0.001+/-0.008 χ^2/NDF:12.2/10

+ sign 0.006+/-0.006 χ^2/NDF: 39.1/28

All: 0.003+/-0.004 χ^2/NDF: 74.7/58

- sign -0.000+/-0.006 χ^2/NDF: 35.0/29

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.800+/-0.005 χ^2/NDF:1005192.5/12

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

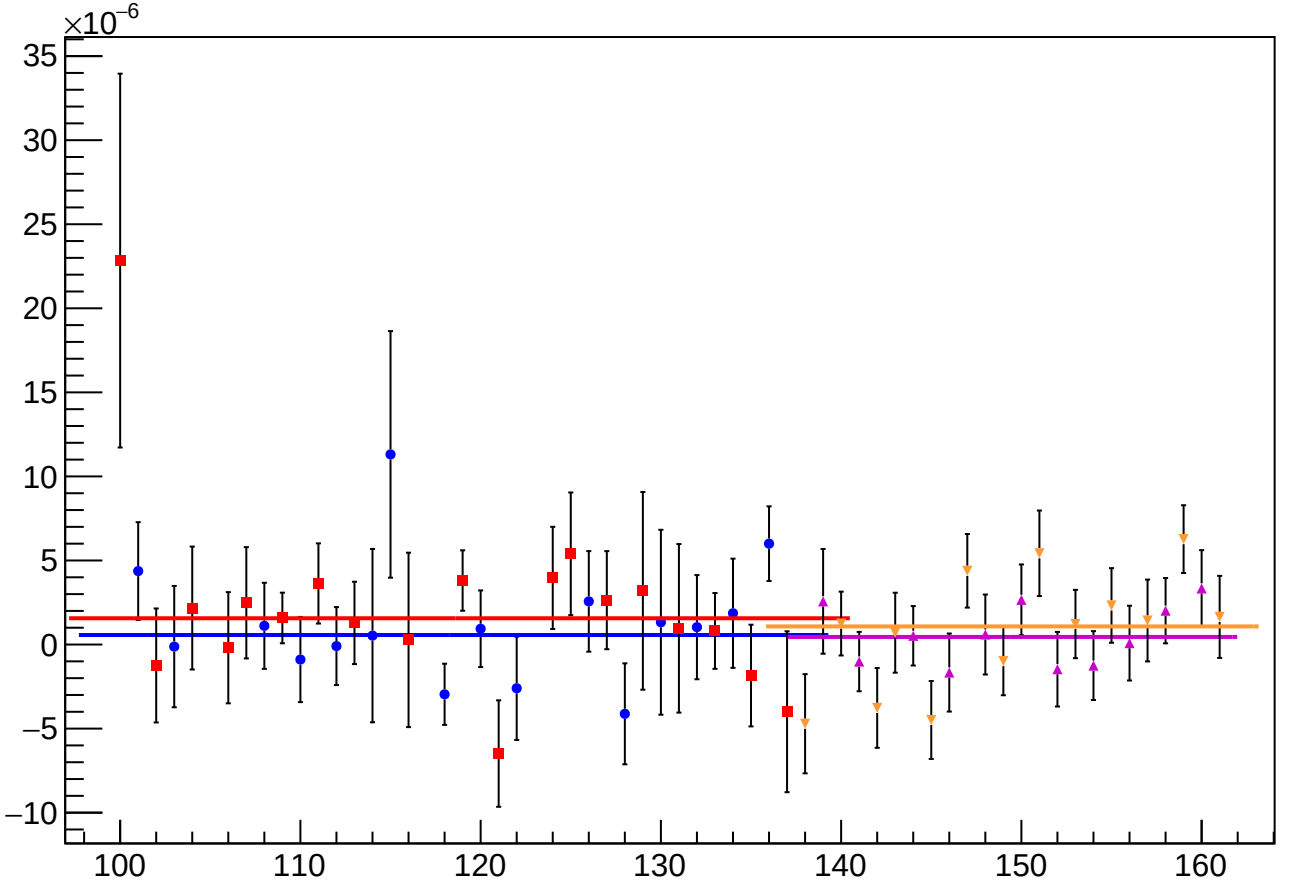
Left In: 23.624+/-0.006 χ^2/NDF:652149.1/10

\+ sign 22.761+/-0.004 χ^2/NDF: 2628208.5/28

All: 22.678+/-0.003 χ^2/NDF: 4667584.5/58

\- sign 22.595+/-0.004 χ^2/NDF: 2038550.4/29

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:27.1/12

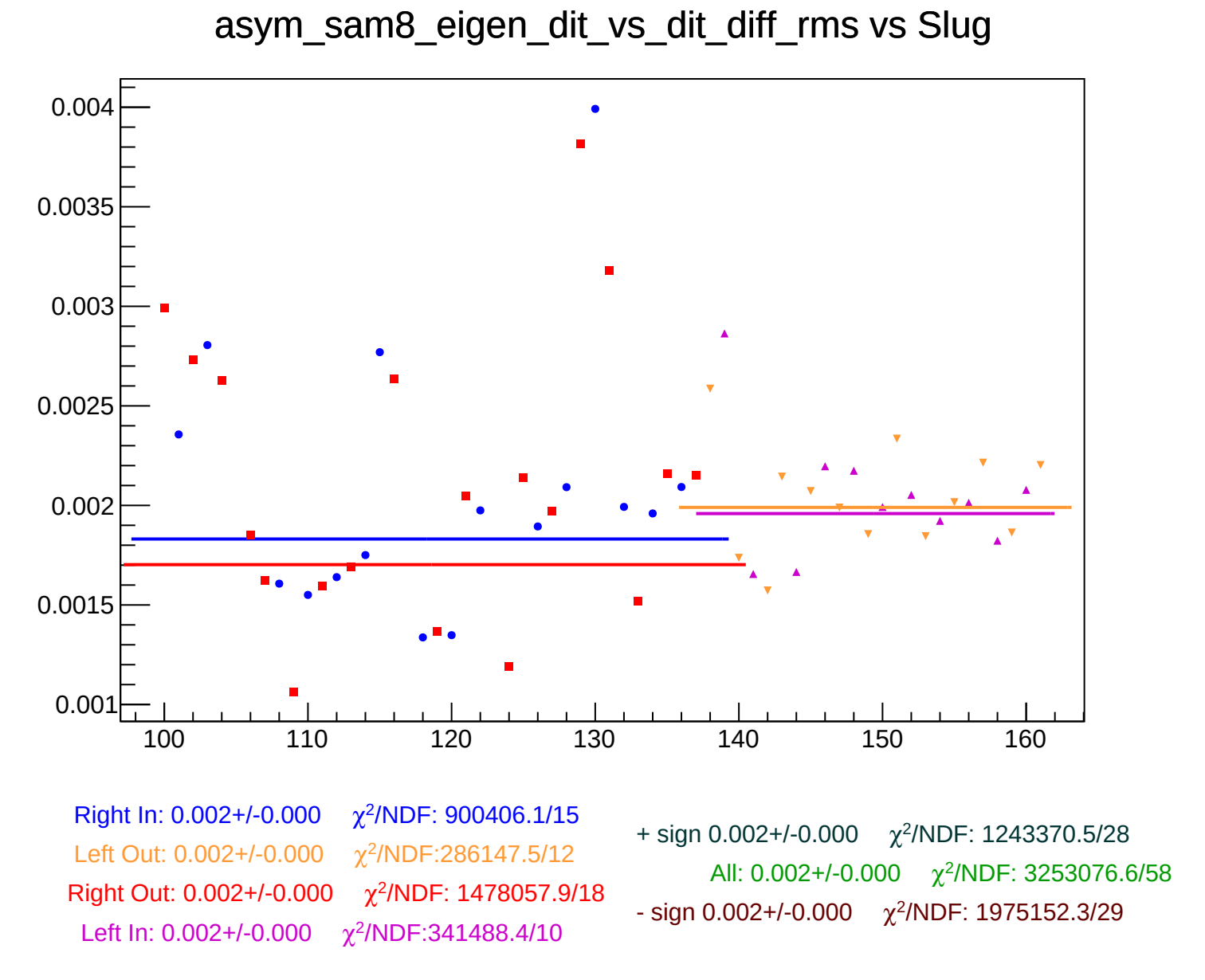
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/10

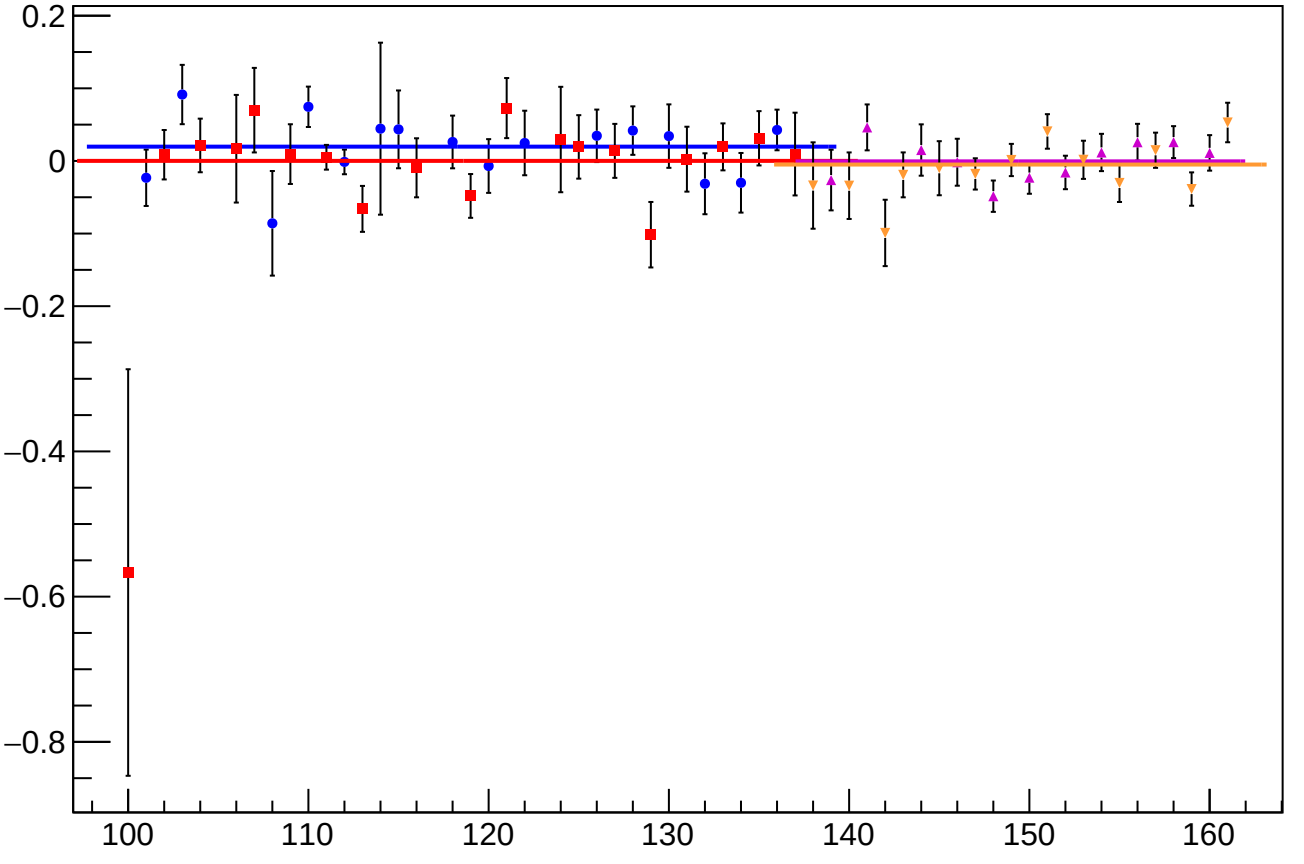
+ sign 0.000+/-0.000 χ^2/NDF: 45.7/28

All: 0.000+/-0.000 χ^2/NDF: 72.2/58

- sign 0.000+/-0.000 χ^2/NDF: 26.5/29


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
Right In: 0.002+/-0.000 χ²/NDF: 900406.1/15
Left Out: 0.002+/-0.000 χ²/NDF:286147.5/12
Right Out: 0.002+/-0.000 χ²/NDF: 1478057.9/18
Left In: 0.002+/-0.000 χ²/NDF:341488.4/10
+ sign 0.002+/-0.000 χ²/NDF: 1243370.5/28
All: 0.002+/-0.000 χ²/NDF: 3253076.6/58
- sign 0.002+/-0.000 χ²/NDF: 1975152.3/29

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.008 χ^2/NDF:17.6/12

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

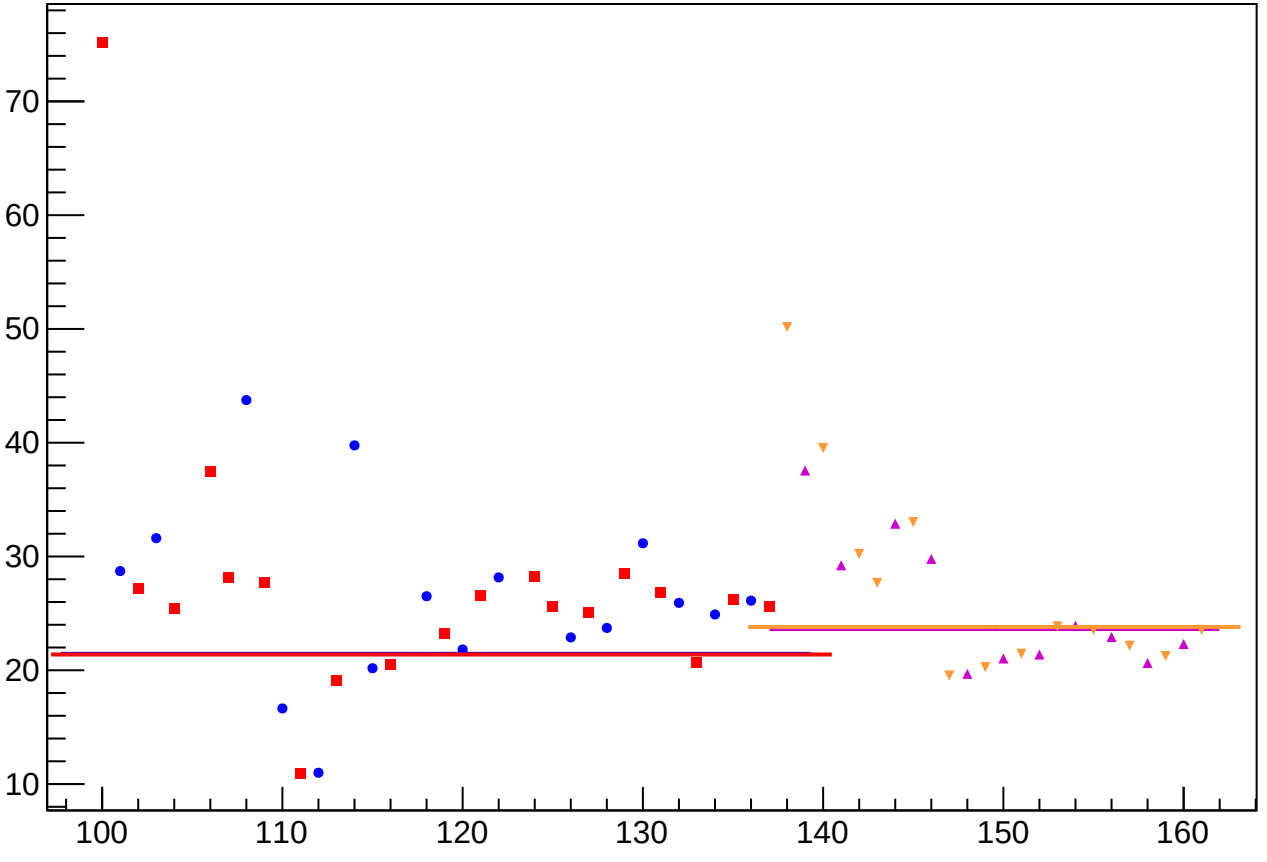
Left In: -0.001+/-0.008 χ^2/NDF:12.2/10

+ sign 0.006+/-0.006 χ^2/NDF: 39.1/28

All: 0.003+/-0.004 χ^2/NDF: 74.7/58

- sign -0.000+/-0.006 χ^2/NDF: 35.0/29

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.800+/-0.005 χ^2/NDF:1005194.2/12

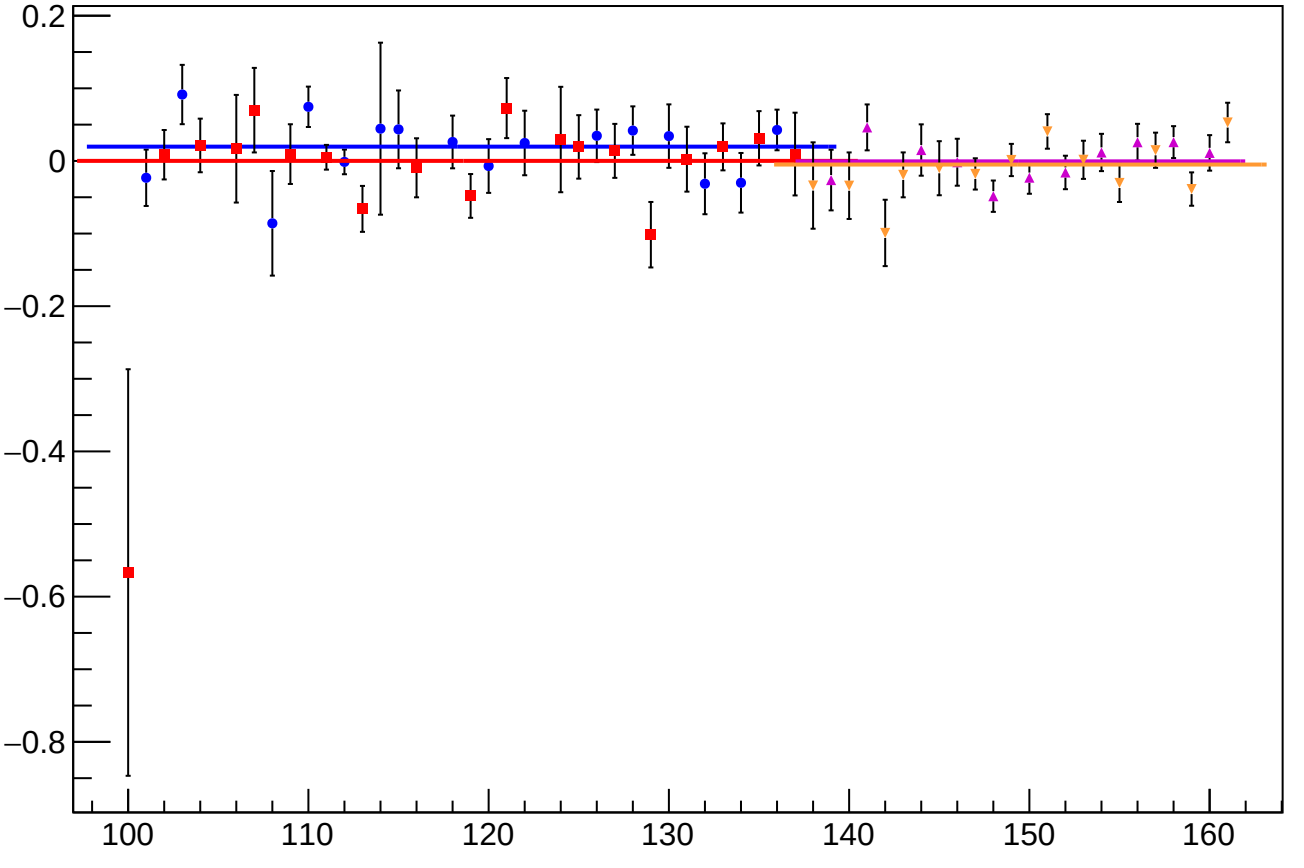
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 23.624+/-0.006 χ^2/NDF:652154.9/10

+ sign 22.761+/-0.004 χ^2/NDF: 2628414.6/28

All: 22.678+/-0.003 χ^2/NDF: 4667971.1/58

- sign 22.595+/-0.004 χ^2/NDF: 2038730.9/29



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.005+/-0.008 χ^2/NDF:17.6/12

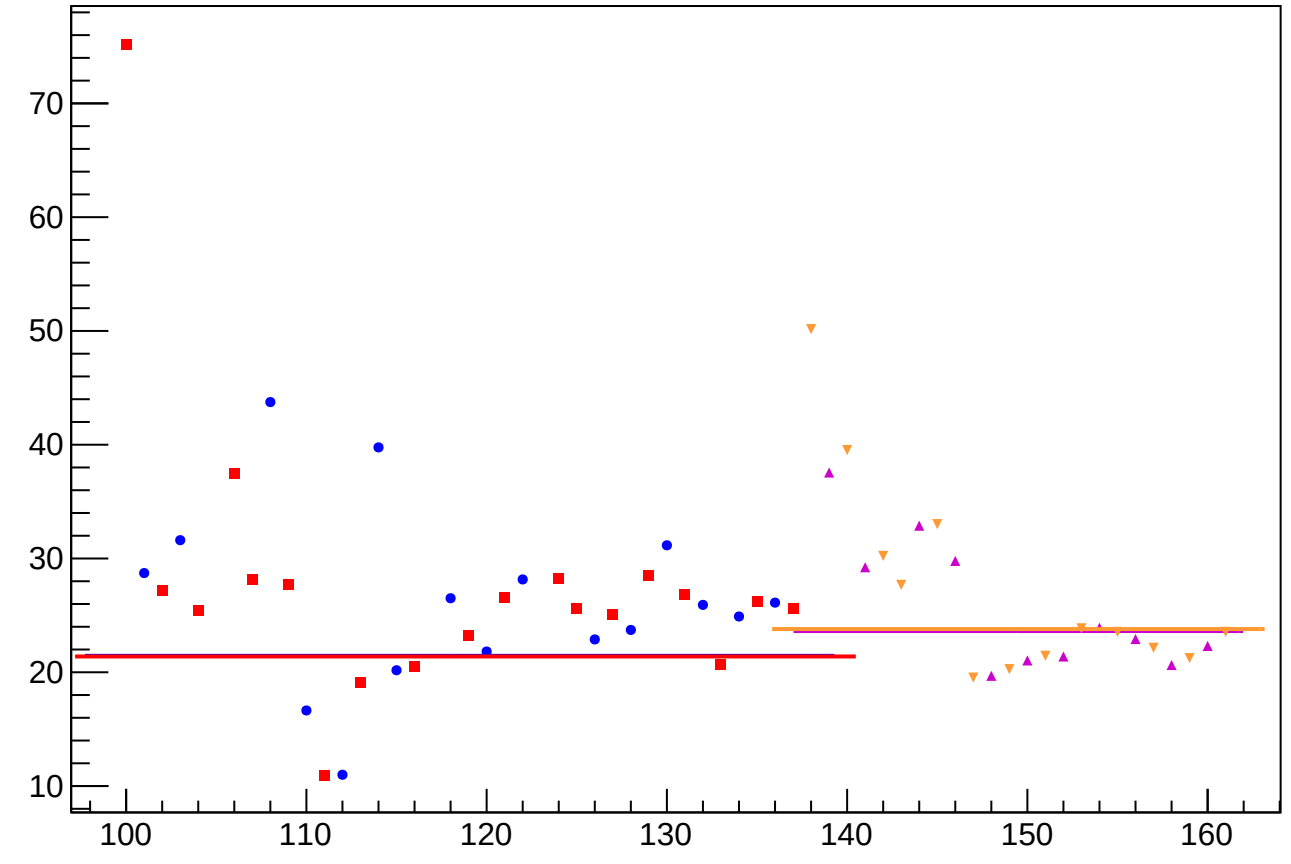
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.001+/-0.008 χ^2/NDF:12.2/10

+ sign 0.006+/-0.006 χ^2/NDF: 39.1/28

All: 0.003+/-0.004 χ^2/NDF: 74.7/58

- sign -0.000+/-0.006 χ^2/NDF: 35.0/29



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.800+/-0.005 χ^2/NDF:1005194.2/12

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

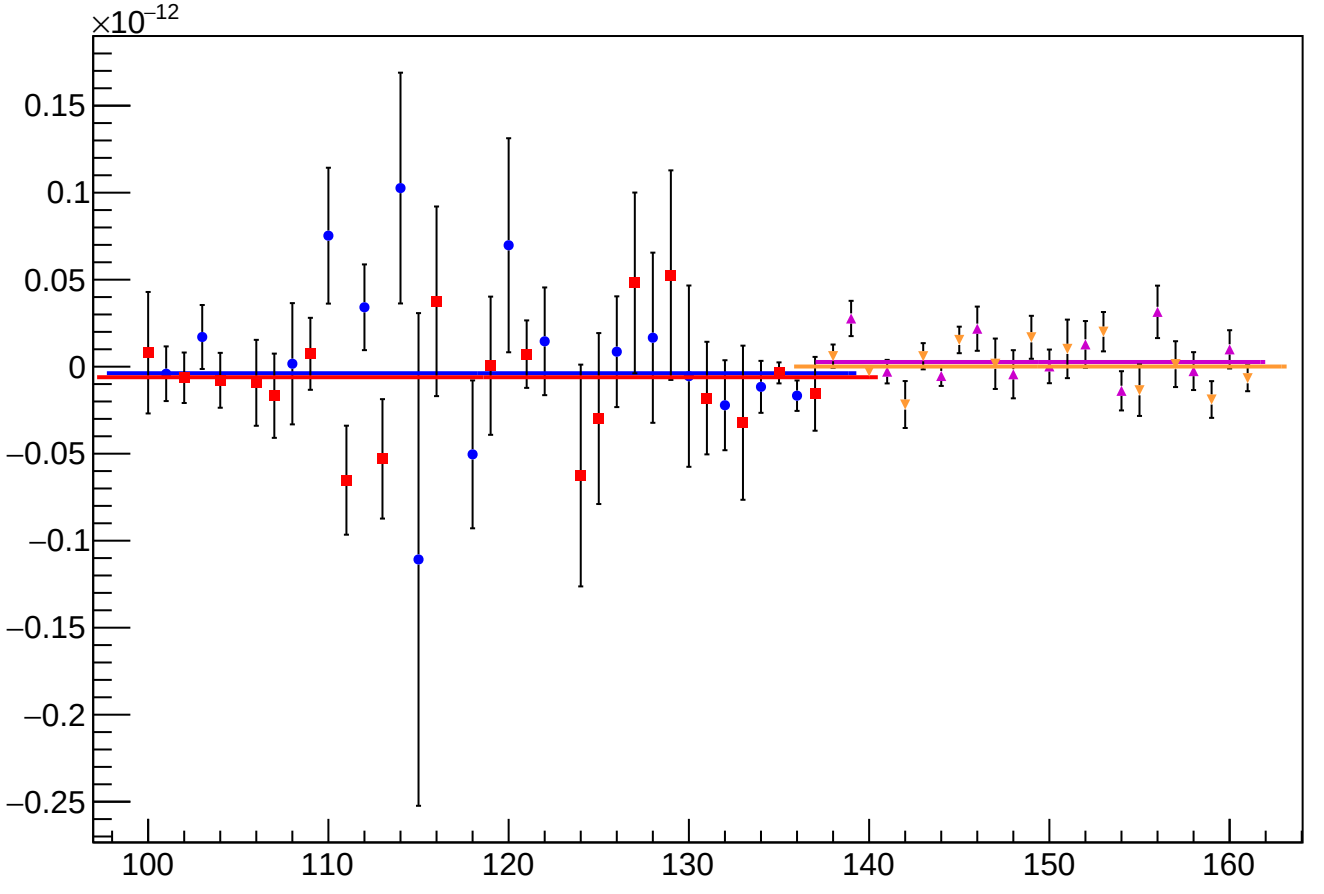
Left In: 23.624+/-0.006 χ^2/NDF:652154.9/10

+ sign 22.761+/-0.004 χ^2/NDF: 2628414.6/28

All: 22.678+/-0.003 χ^2/NDF: 4667971.1/58

- sign 22.595+/-0.004 χ^2/NDF: 2038730.9/29

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:19.3/12

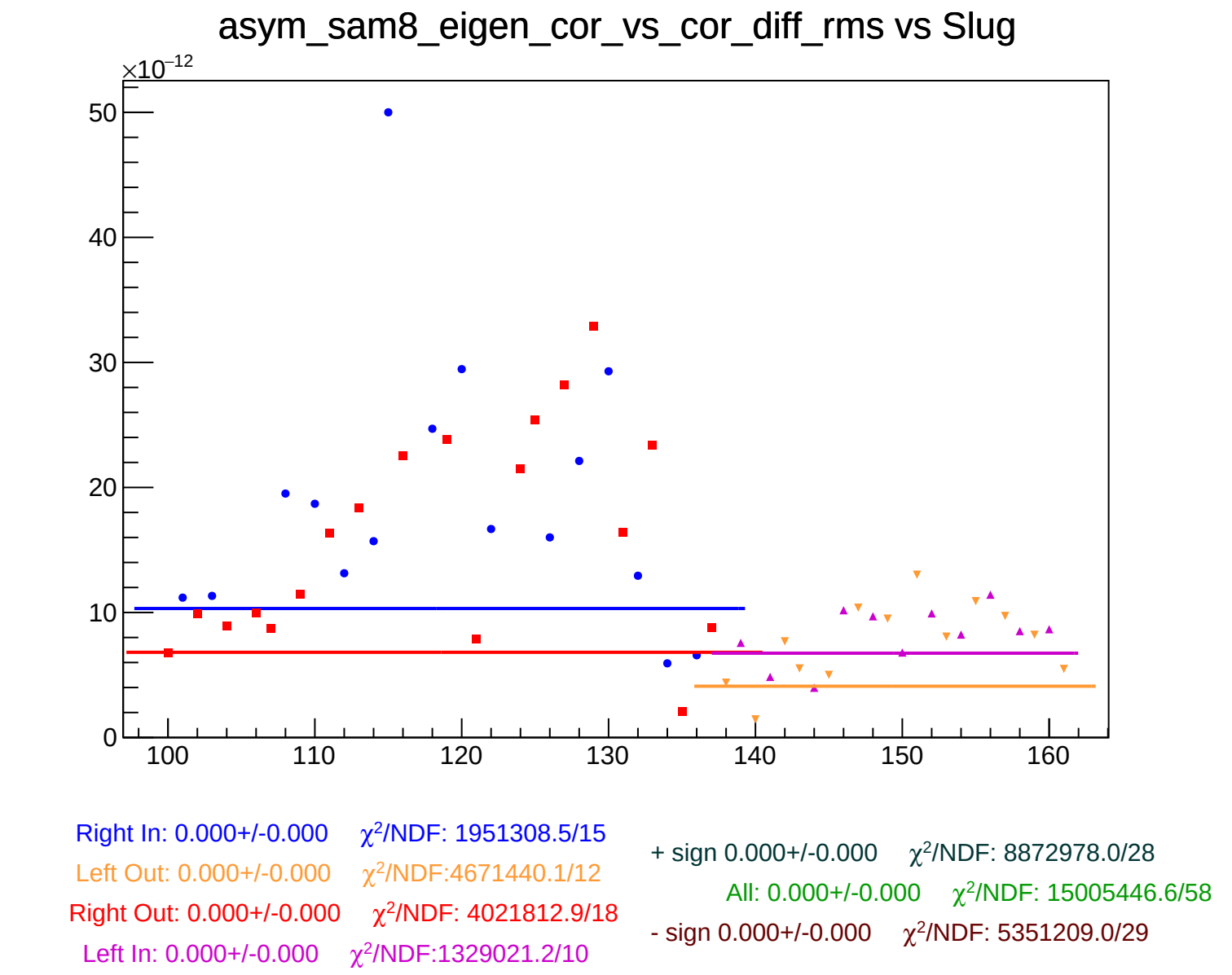
Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.4/10

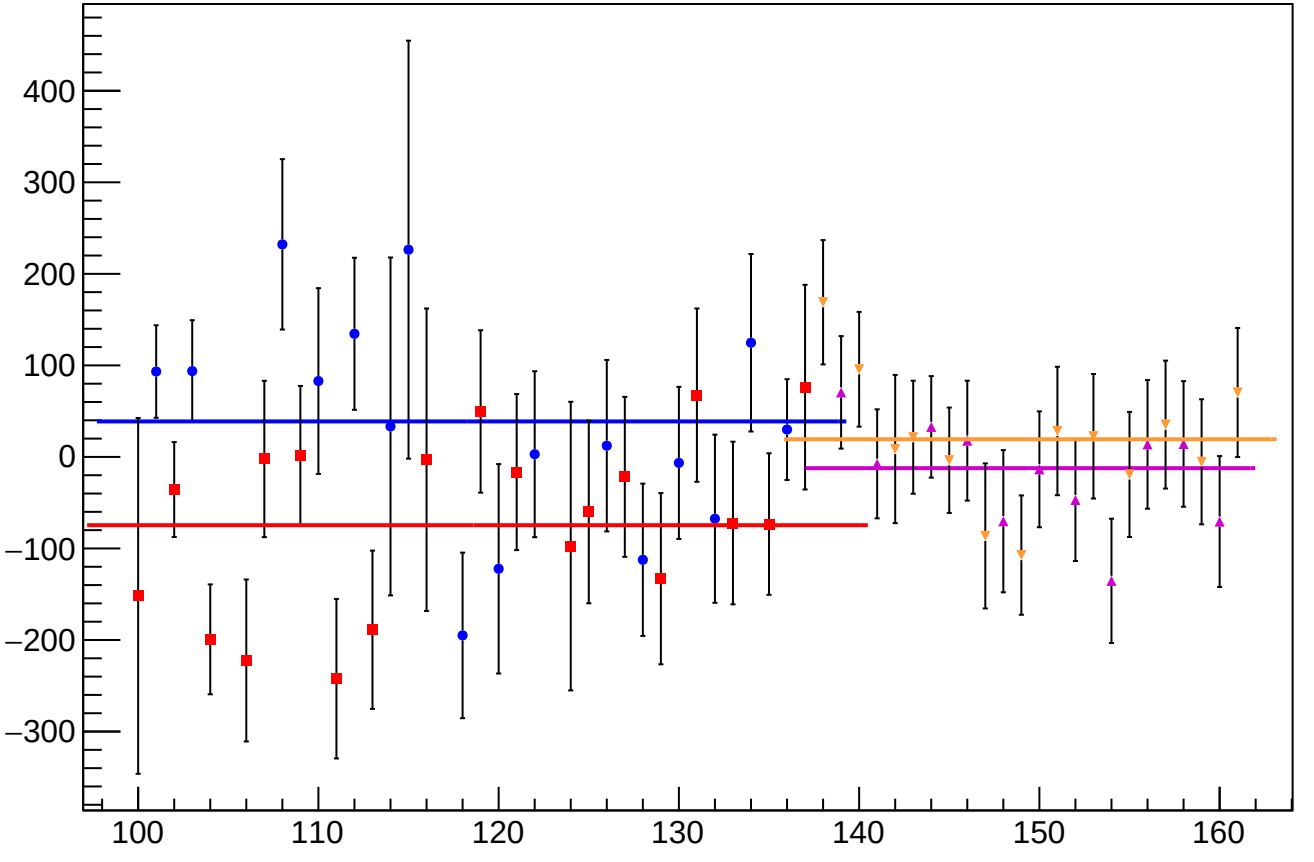
+ sign -0.000+/-0.000 χ^2/NDF: 36.9/28

All: -0.000+/-0.000 χ^2/NDF: 69.4/58

- sign -0.000+/-0.000 χ^2/NDF: 32.5/29


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:4671440.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1329021.2/10
+ sign 0.000+/-0.000 χ²/NDF: 8872978.0/28
All: 0.000+/-0.000 χ²/NDF: 15005446.6/58
- sign 0.000+/-0.000 χ²/NDF: 5351209.0/29

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 19.281+/-18.775 χ^2/NDF:13.1/12

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

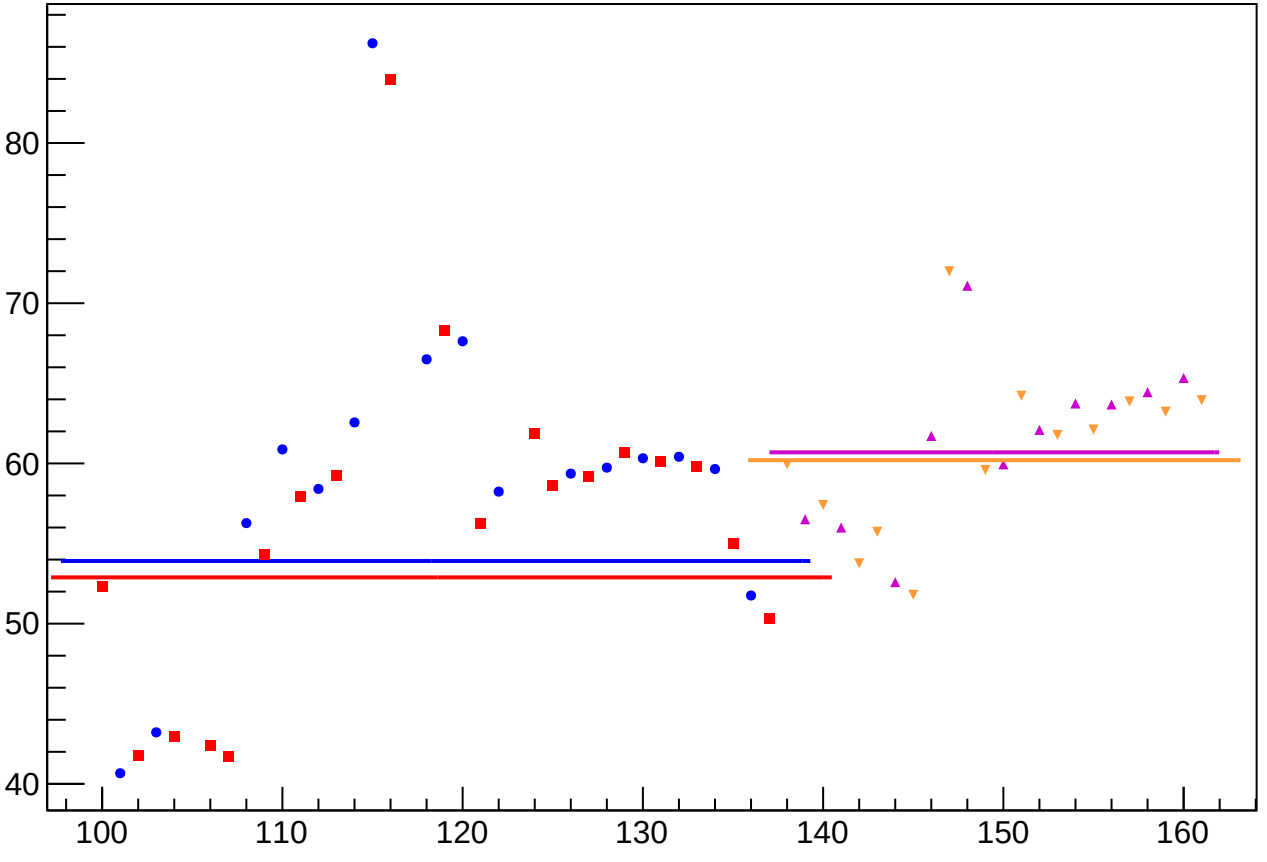
Left In: -12.291+/-19.718 χ^2/NDF:7.8/10

+ sign 28.218+/-13.819 χ^2/NDF: 36.9/28

All: -7.147+/-9.825 χ^2/NDF: 85.3/58

- sign -43.302+/-13.972 χ^2/NDF: 35.2/29

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 60.201+/-0.013 χ^2/NDF:138466.6/12

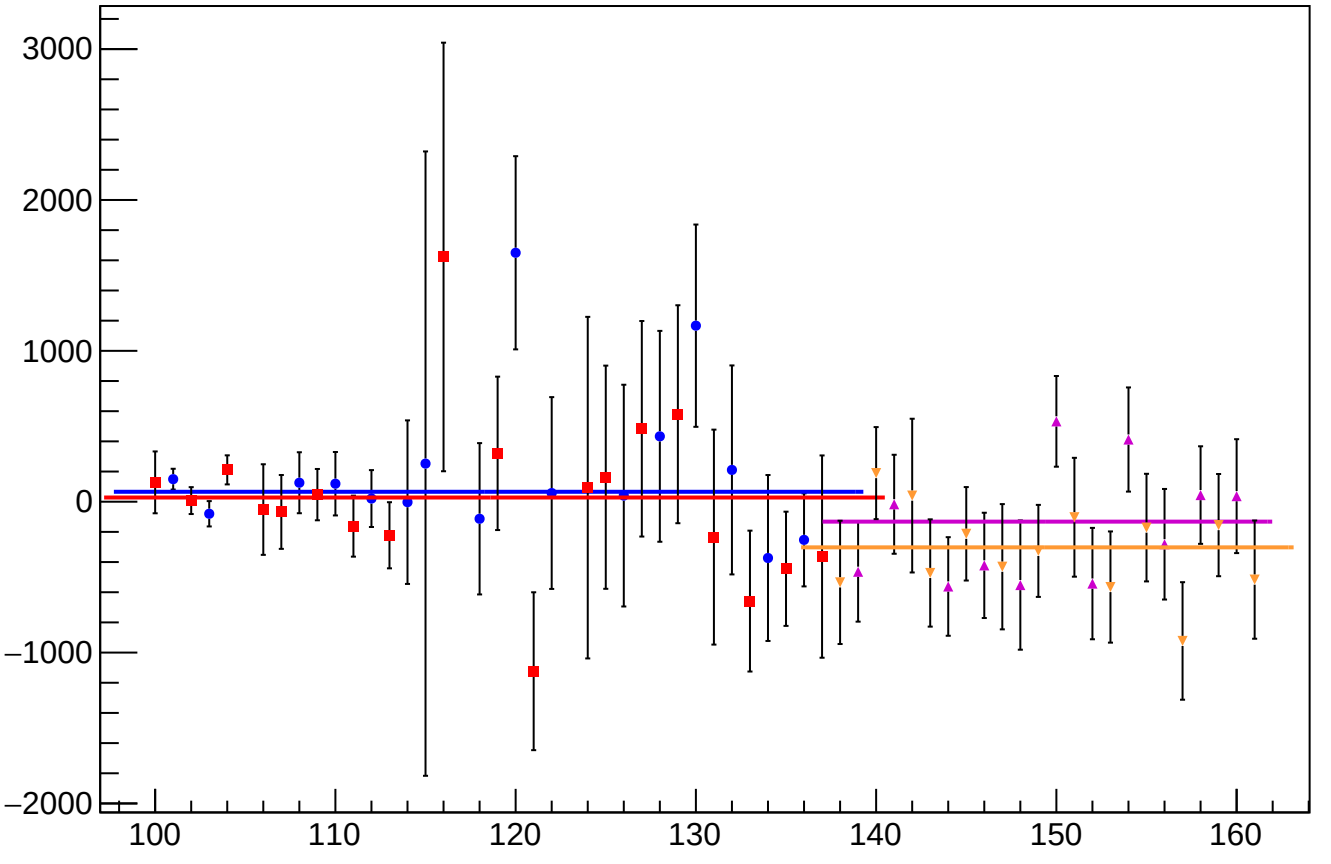
Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 60.693+/-0.014 χ^2/NDF:123804.6/10

+ sign 57.319+/-0.010 χ^2/NDF: 634560.0/28

All: 57.066+/-0.007 χ^2/NDF: 1340930.1/58

- sign 56.808+/-0.010 χ^2/NDF: 705015.2/29



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -302.552+/-100.520 χ^2/NDF:7.7/12

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

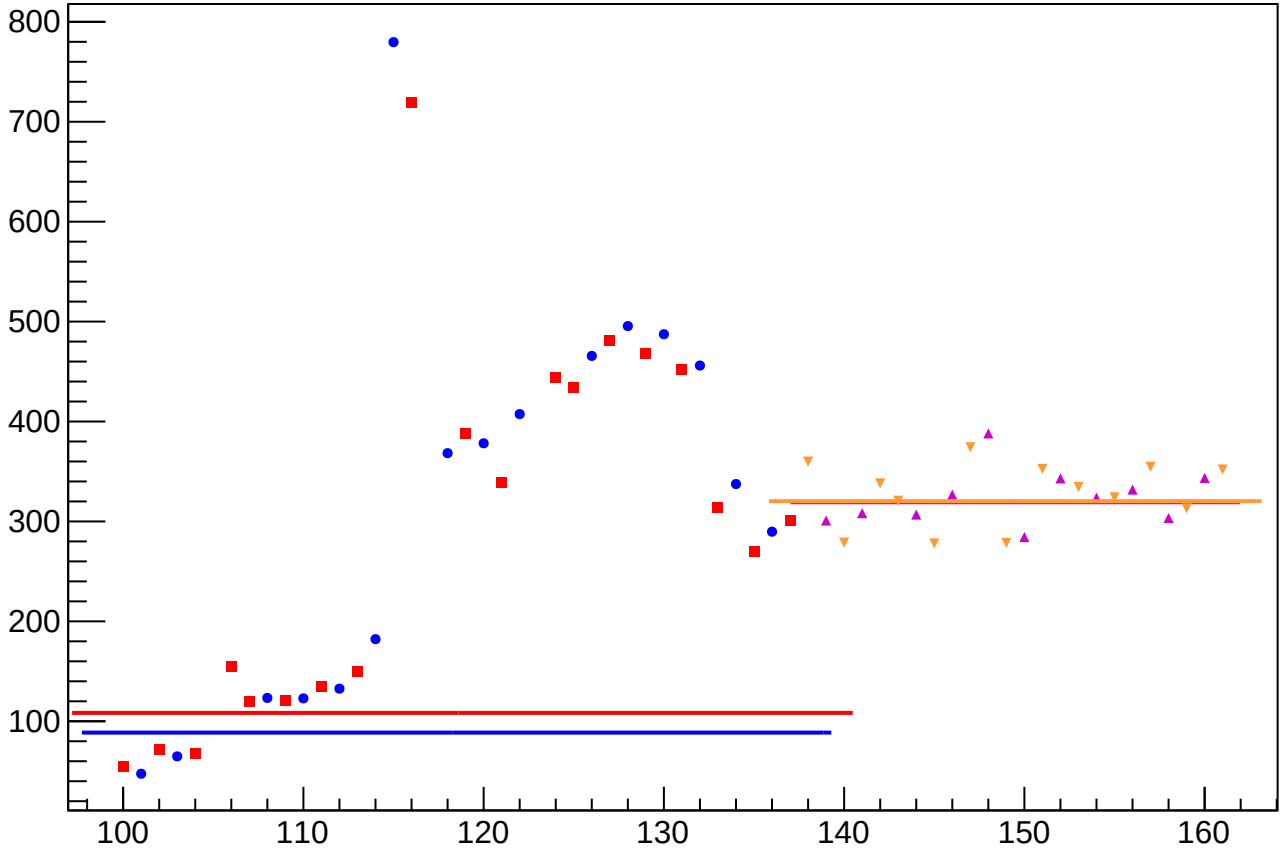
Left In: -132.025+/-104.099 χ^2/NDF:13.8/10

+ sign 0.963+/-42.187 χ^2/NDF: 34.5/28

All: -0.601+/-30.867 χ^2/NDF: 68.2/58

- sign -2.403+/-45.284 χ^2/NDF: 33.7/29

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 320.284+/-0.071 χ^2/NDF:212921.2/12

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

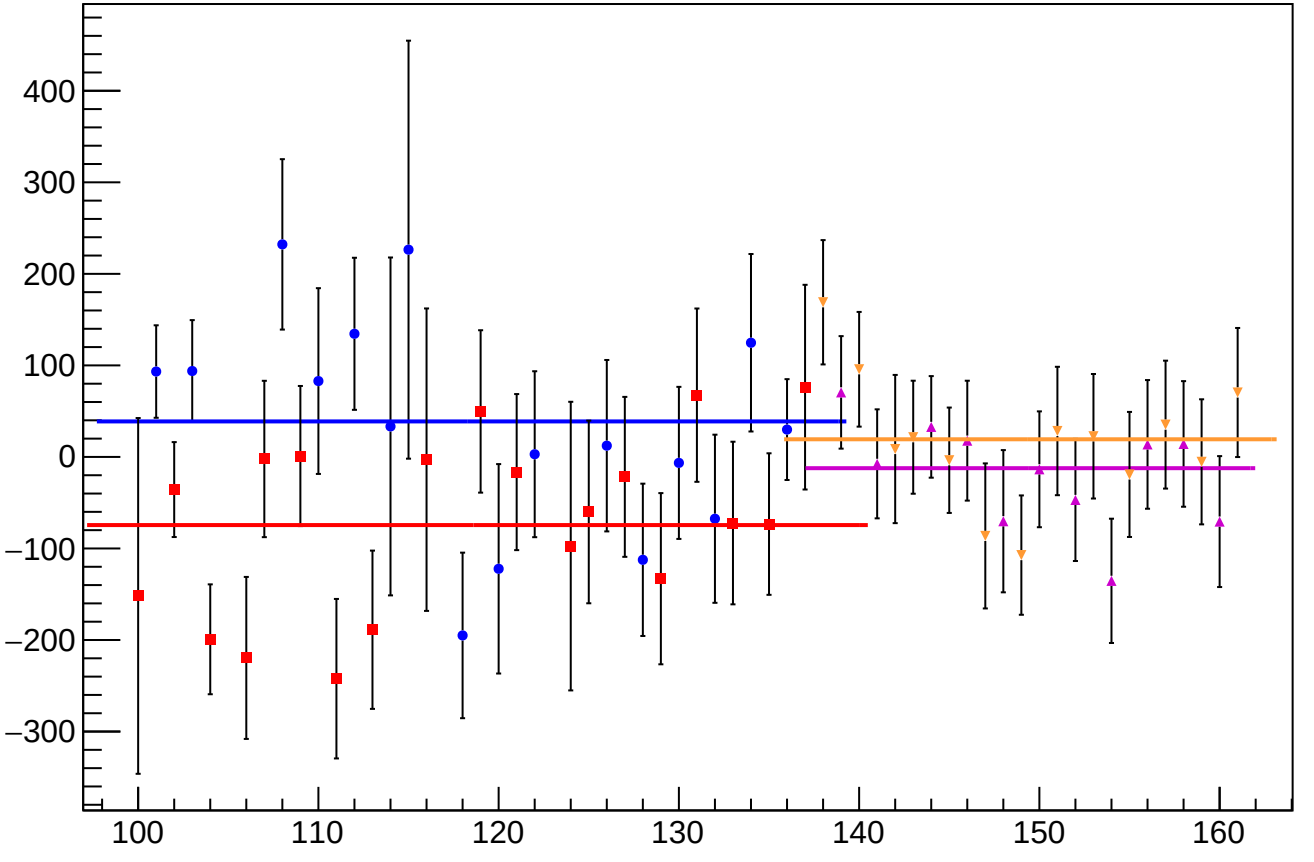
Left In: 319.179+/-0.074 χ^2/NDF:114767.4/10

+ sign 129.456+/-0.030 χ^2/NDF: 15609810.6/28

All: 138.199+/-0.022 χ^2/NDF: 27921195.9/58

- sign 148.274+/-0.032 χ^2/NDF: 12126484.1/29

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 19.280+/-18.775 χ^2/NDF:13.1/12

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

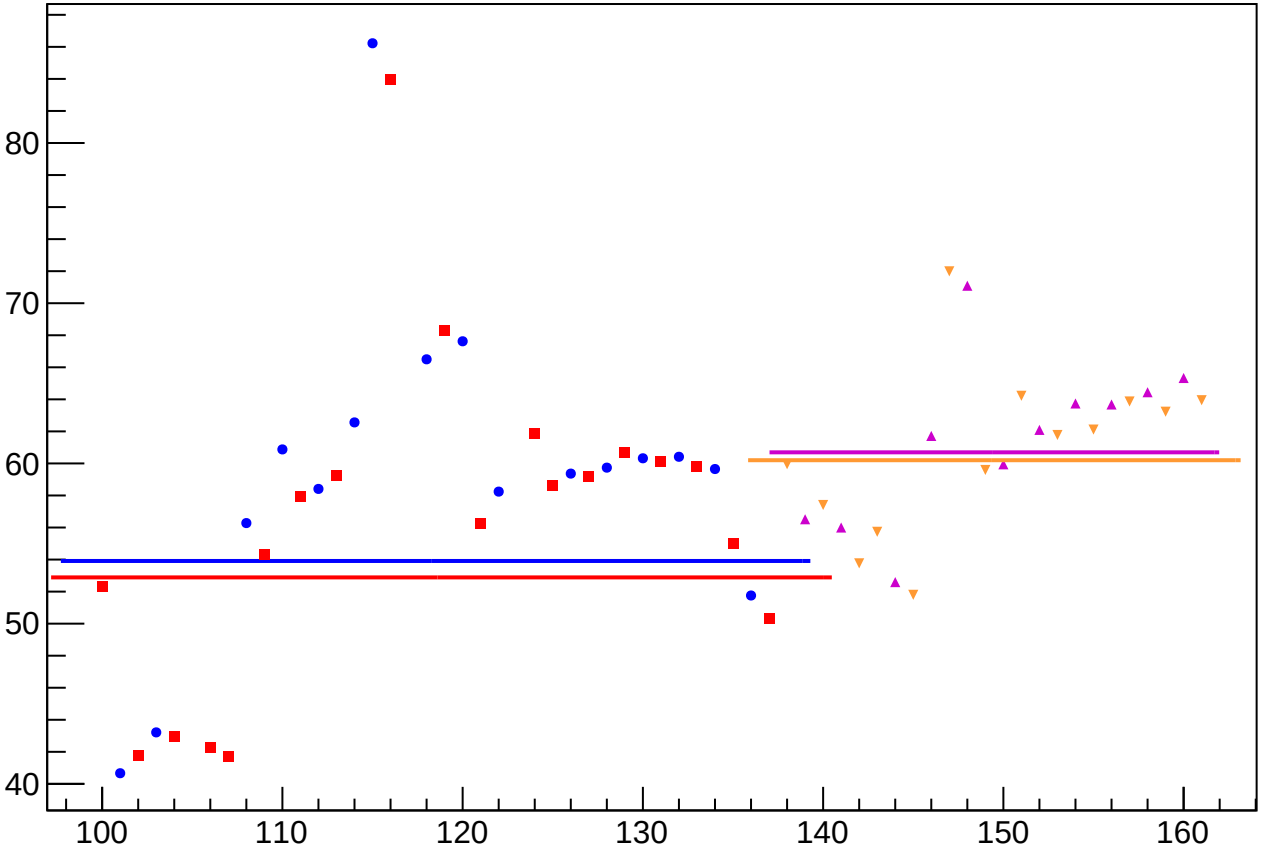
Left In: -12.292+/-19.718 χ^2/NDF:7.8/10

+ sign 28.223+/-13.819 χ^2/NDF: 36.9/28

All: -7.109+/-9.825 χ^2/NDF: 85.2/58

- sign -43.233+/-13.973 χ^2/NDF: 35.0/29

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.201+/-0.013 χ^2/NDF:138466.6/12

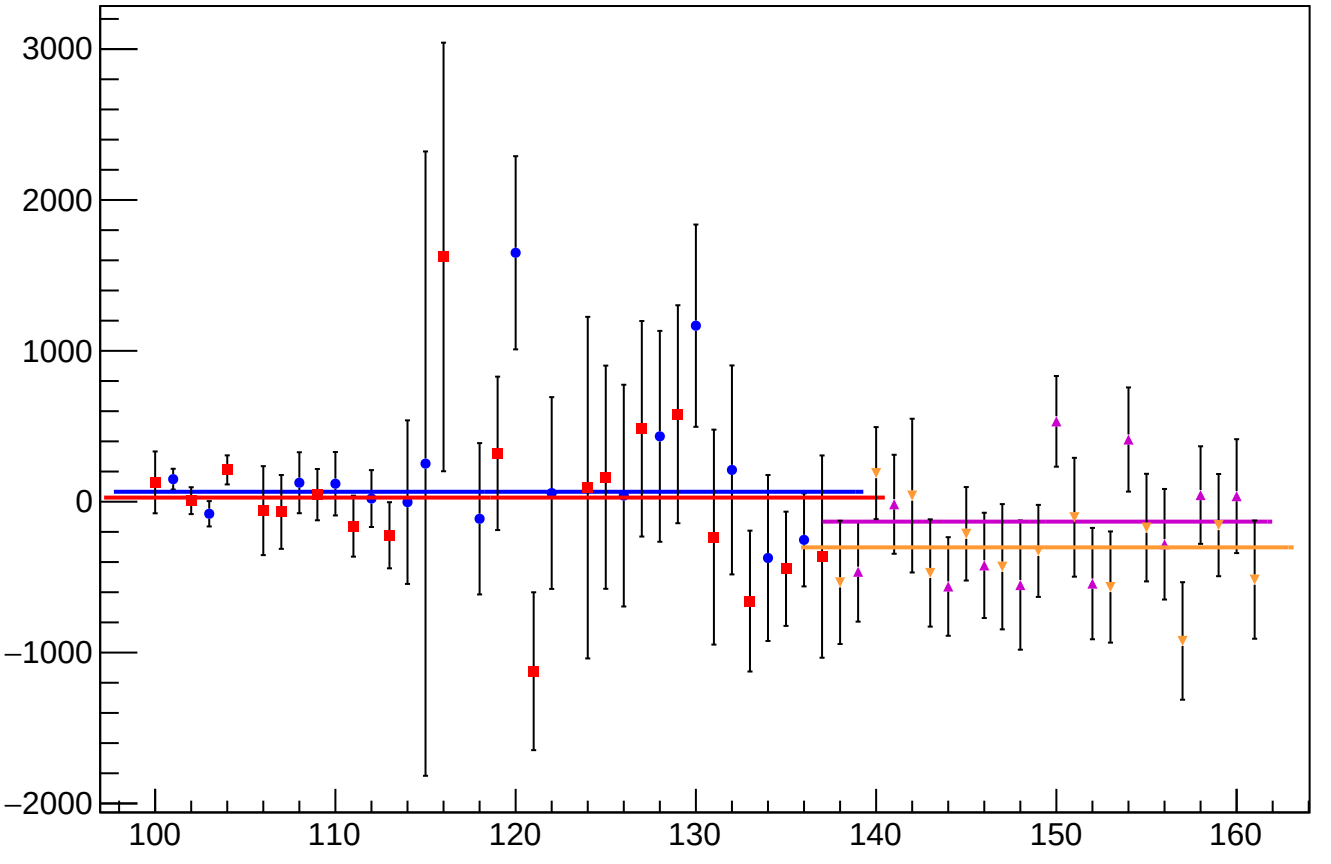
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 60.693+/-0.014 χ^2/NDF:123804.6/10

+ sign 57.319+/-0.010 χ^2/NDF: 634559.1/28

All: 57.066+/-0.007 χ^2/NDF: 1341319.9/58

- sign 56.807+/-0.010 χ^2/NDF: 705401.4/29



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -302.553+/-100.520 χ^2/NDF:7.7/12

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

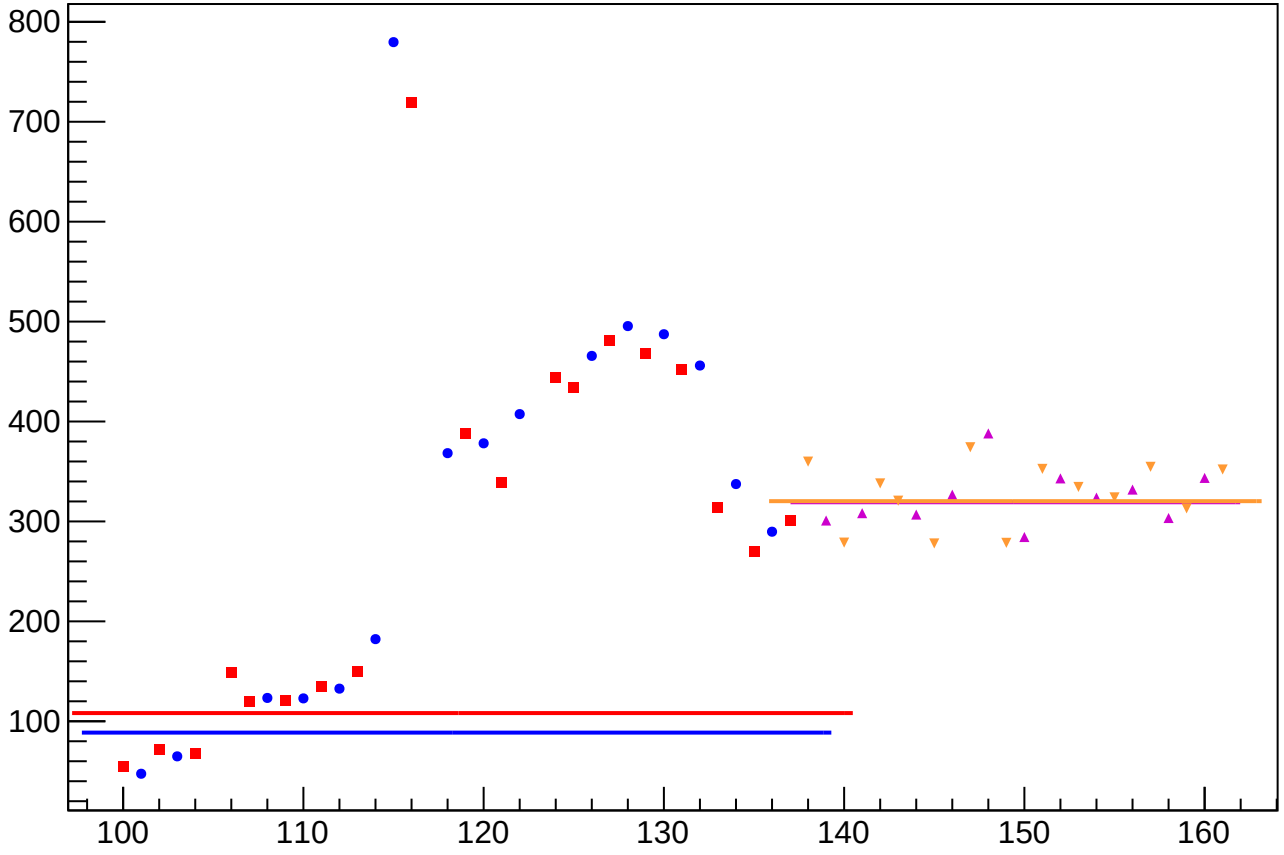
Left In: -132.025+/-104.099 χ^2/NDF:13.8/10

+ sign 0.969+/-42.186 χ^2/NDF: 34.5/28

All: -0.747+/-30.857 χ^2/NDF: 68.2/58

- sign -2.722+/-45.252 χ^2/NDF: 33.7/29

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 320.284+/-0.071 χ^2/NDF:212921.8/12

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

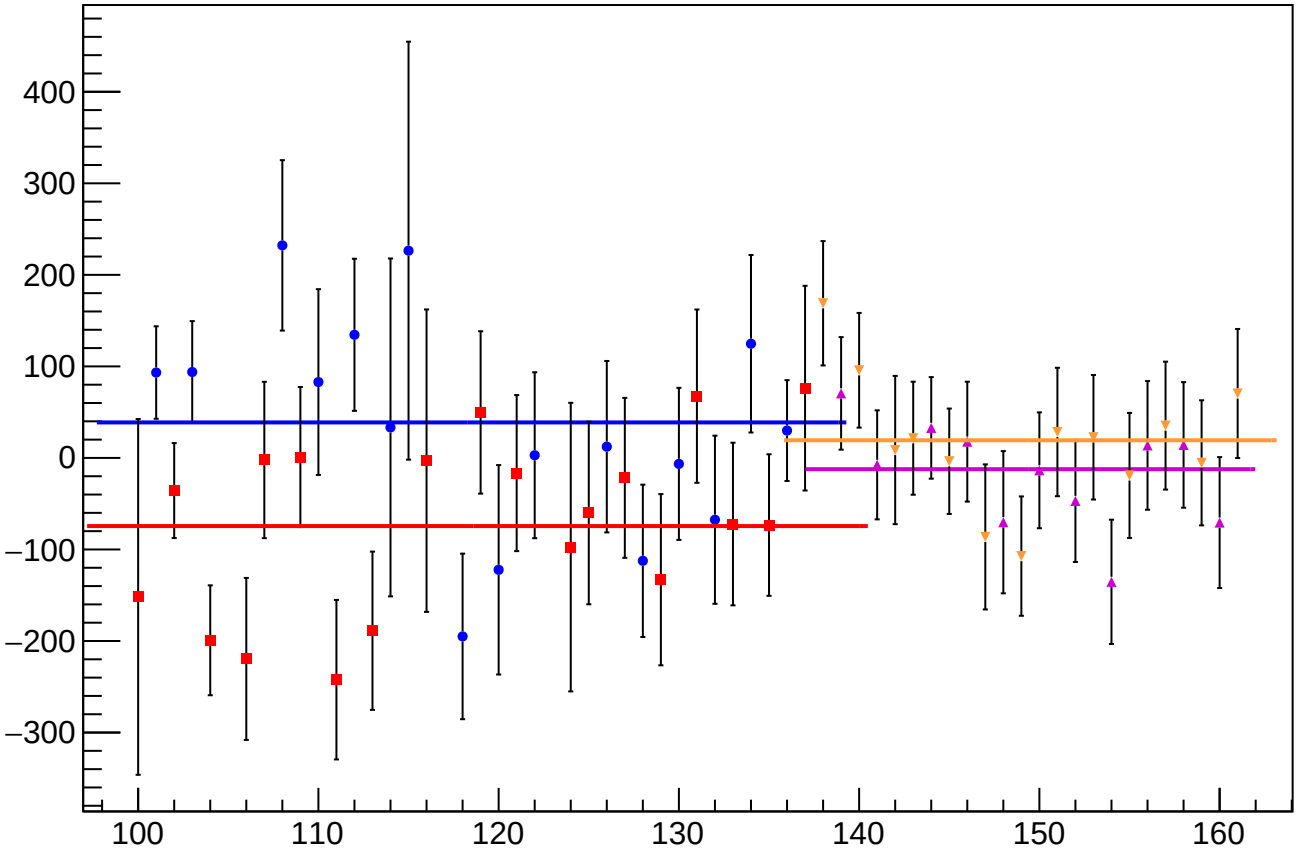
Left In: 319.178+/-0.074 χ^2/NDF:114768.4/10

+ sign 129.452+/-0.030 χ^2/NDF: 15610155.0/28

All: 138.111+/-0.022 χ^2/NDF: 27923269.1/58

- sign 148.074+/-0.032 χ^2/NDF: 12131912.7/29

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 19.280+/-18.775 χ^2/NDF:13.1/12

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

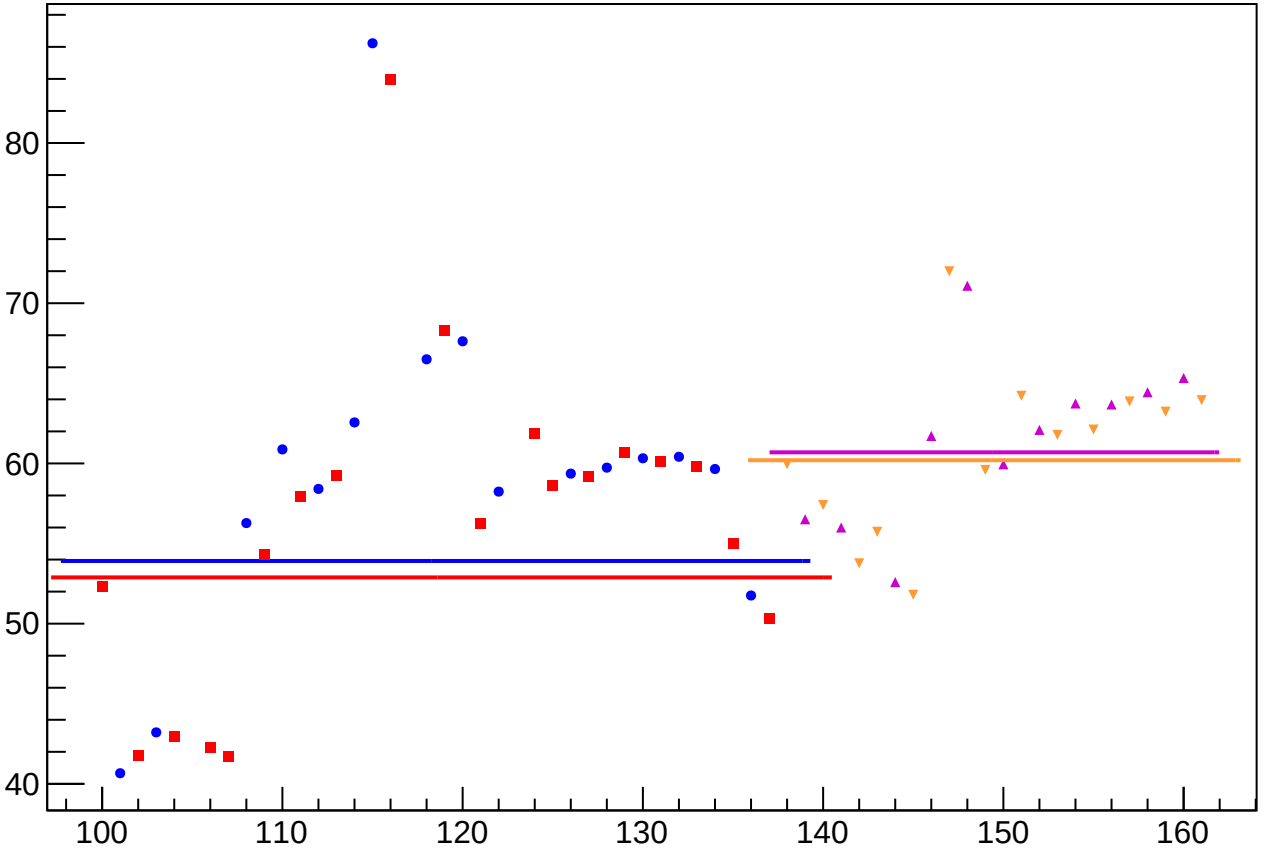
Left In: -12.292+/-19.718 χ^2/NDF:7.8/10

+ sign 28.223+/-13.819 χ^2/NDF: 36.9/28

All: -7.109+/-9.825 χ^2/NDF: 85.2/58

- sign -43.233+/-13.973 χ^2/NDF: 35.0/29

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.201+/-0.013 χ^2/NDF:138466.6/12

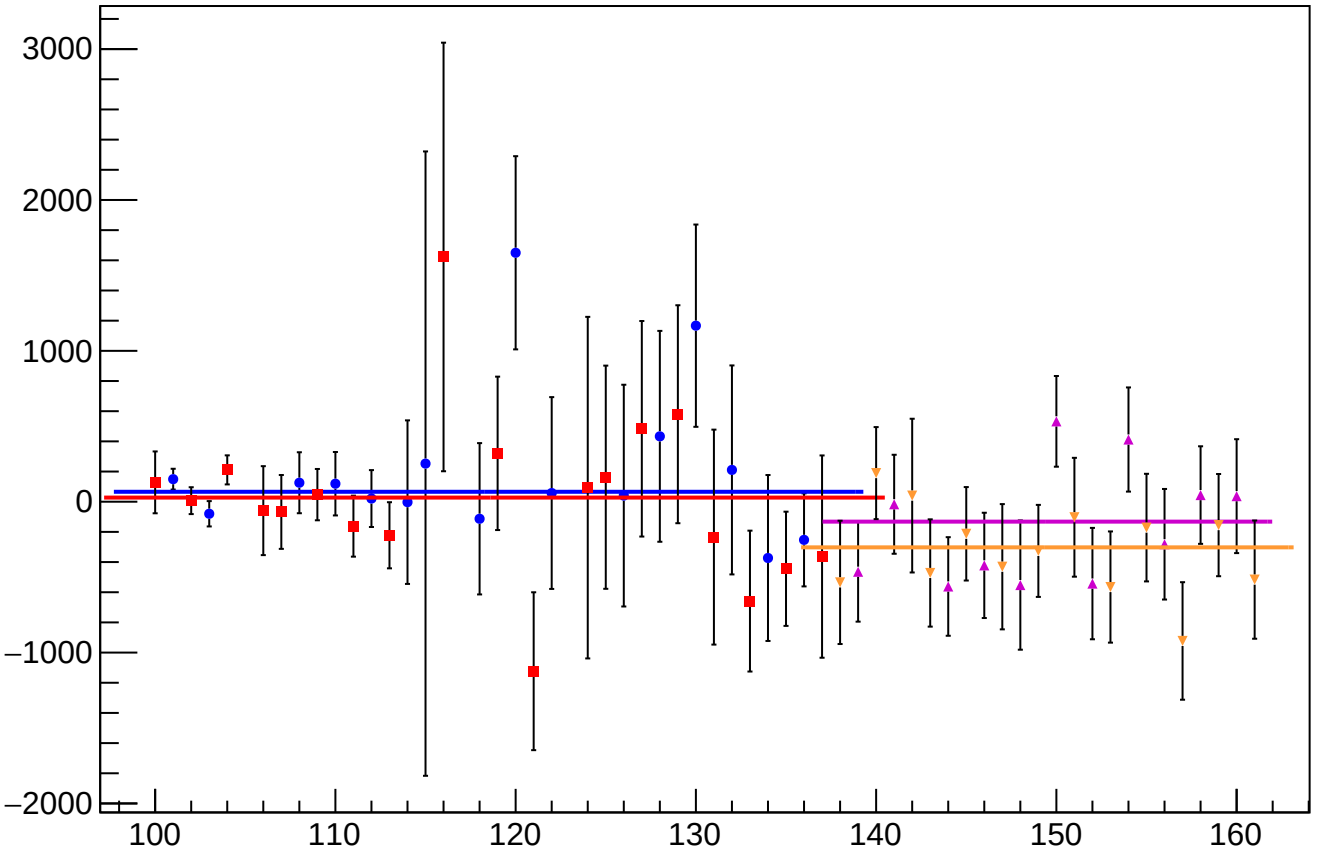
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 60.693+/-0.014 χ^2/NDF:123804.6/10

+ sign 57.319+/-0.010 χ^2/NDF: 634559.1/28

All: 57.066+/-0.007 χ^2/NDF: 1341319.9/58

- sign 56.807+/-0.010 χ^2/NDF: 705401.4/29



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -302.553+/-100.520 χ^2/NDF:7.7/12

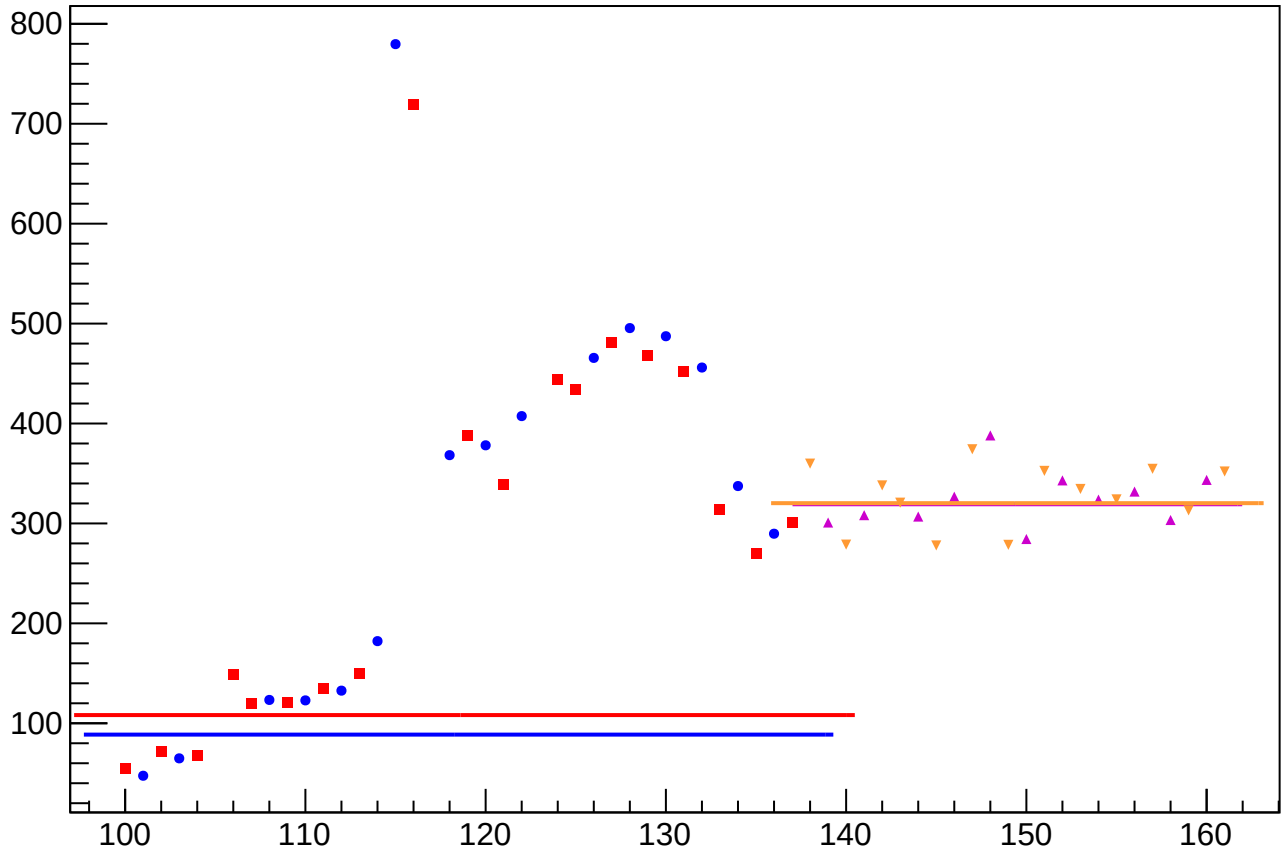
Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: -132.025+/-104.099 χ^2/NDF:13.8/10

+ sign 0.969+/-42.186 χ^2/NDF: 34.5/28

All: -0.747+/-30.857 χ^2/NDF: 68.2/58

- sign -2.722+/-45.252 χ^2/NDF: 33.7/29



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 320.284+/-0.071 χ^2/NDF:212921.8/12

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

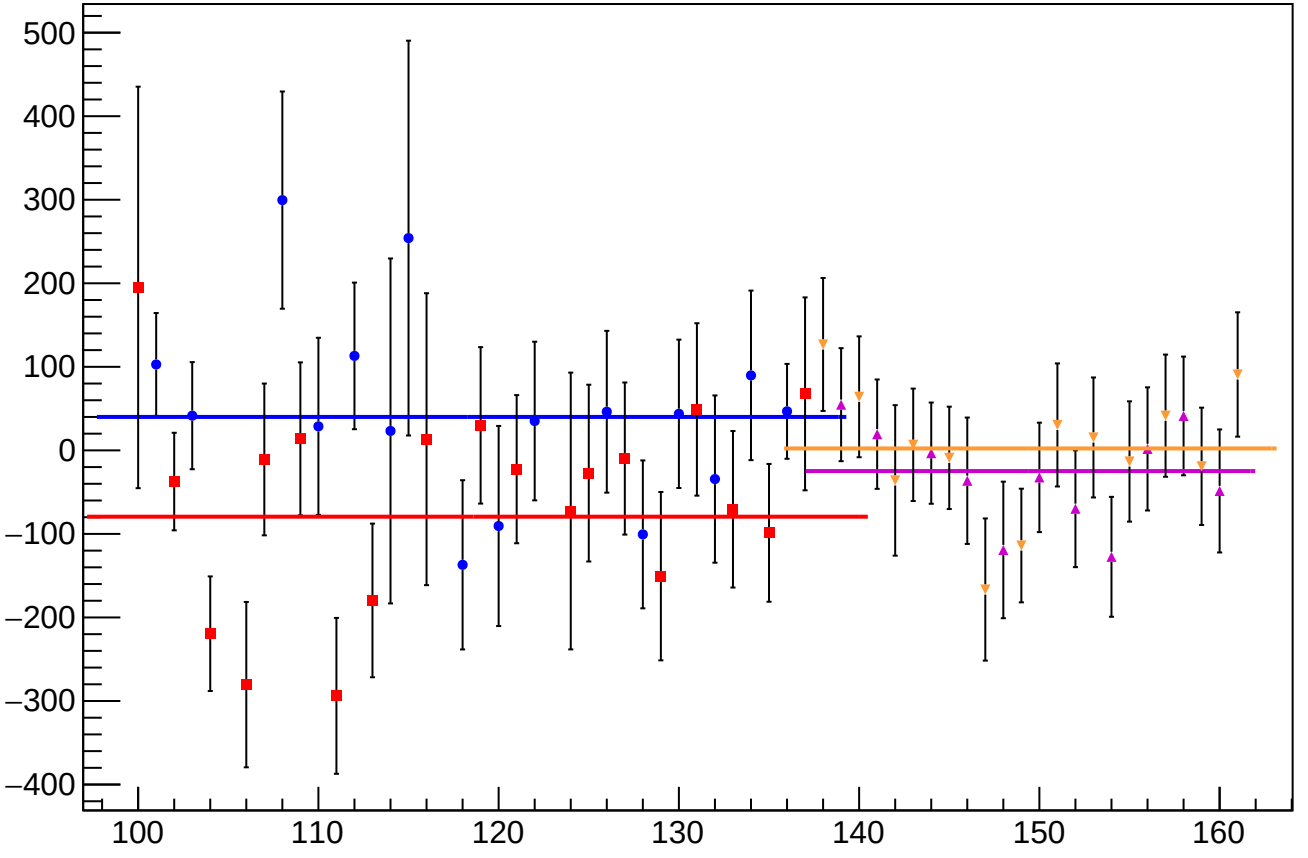
Left In: 319.178+/-0.074 χ^2/NDF:114768.4/10

+ sign 129.452+/-0.030 χ^2/NDF: 15610155.0/28

All: 138.111+/-0.022 χ^2/NDF: 27923269.1/58

- sign 148.074+/-0.032 χ^2/NDF: 12131912.7/29

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 2.299+/-20.181 χ^2/NDF:12.3/12

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

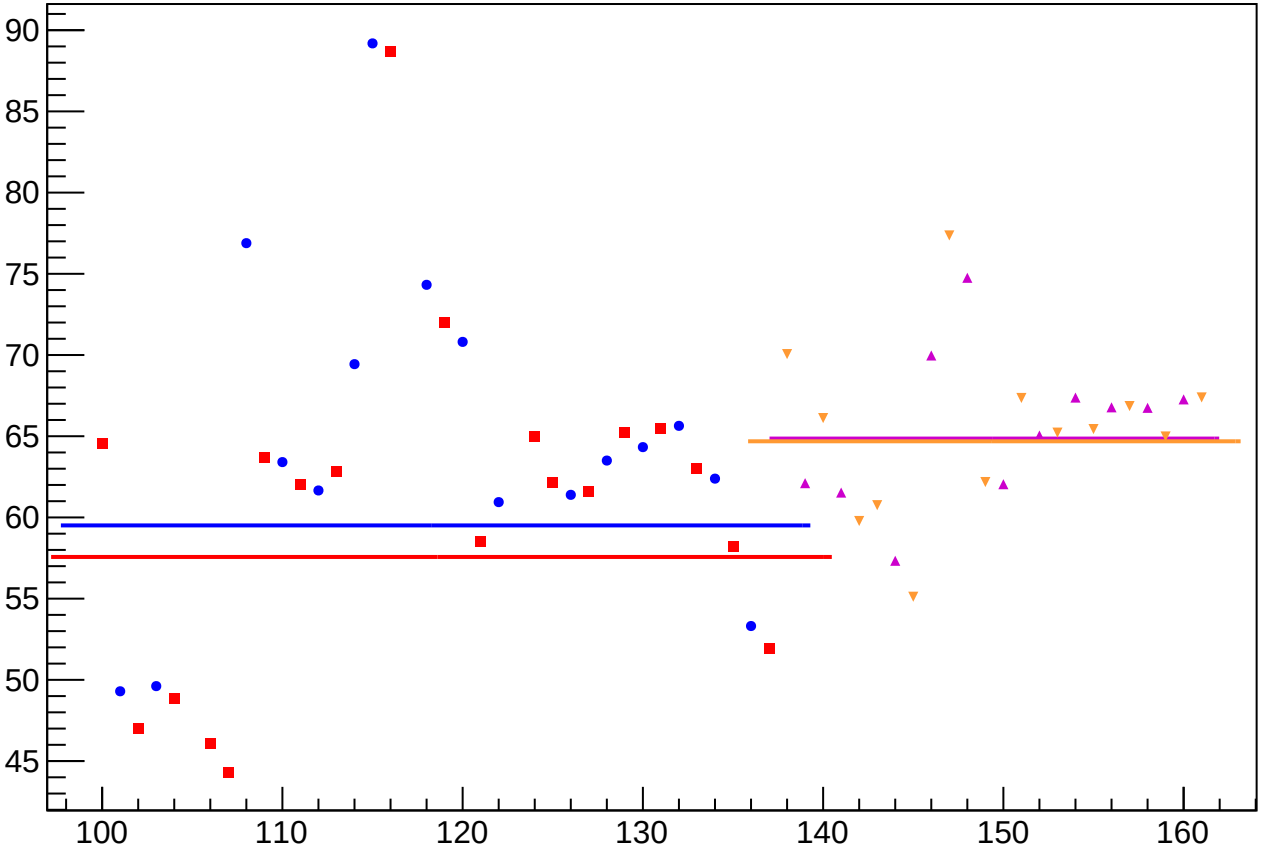
Left In: -24.766+/-21.095 χ^2/NDF:6.9/10

+ sign 19.108+/-15.028 χ^2/NDF: 28.0/28

All: -16.041+/-10.646 χ^2/NDF: 73.9/58

- sign -51.456+/-15.084 χ^2/NDF: 35.0/29

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.688+/-0.014 χ^2/NDF:125952.8/12

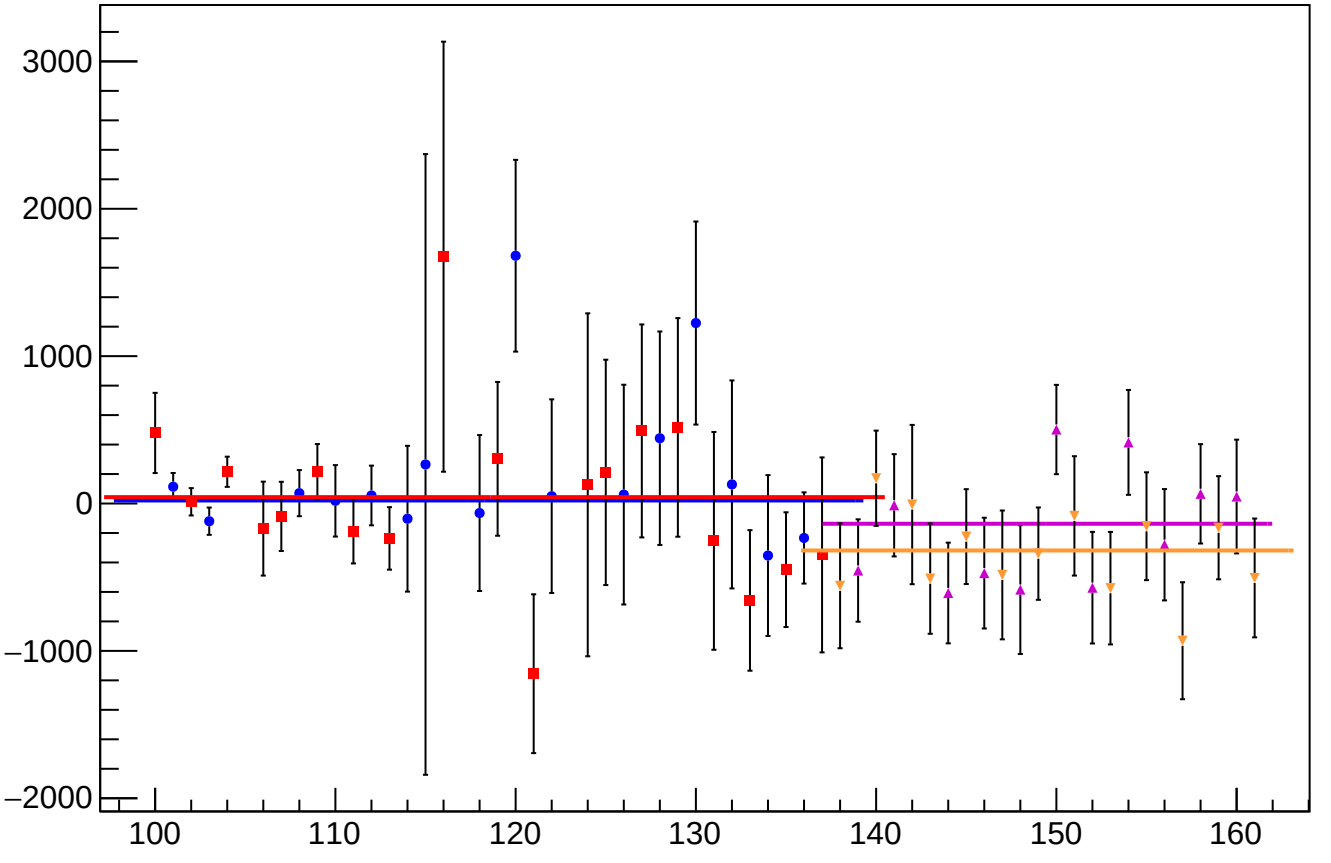
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 64.855+/-0.015 χ^2/NDF:88889.4/10

+ sign 62.381+/-0.011 χ^2/NDF: 467829.5/28

All: 61.839+/-0.008 χ^2/NDF: 1025992.4/58

- sign 61.293+/-0.011 χ^2/NDF: 552949.0/29



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -318.561+/-104.335 χ^2/NDF:7.2/12

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

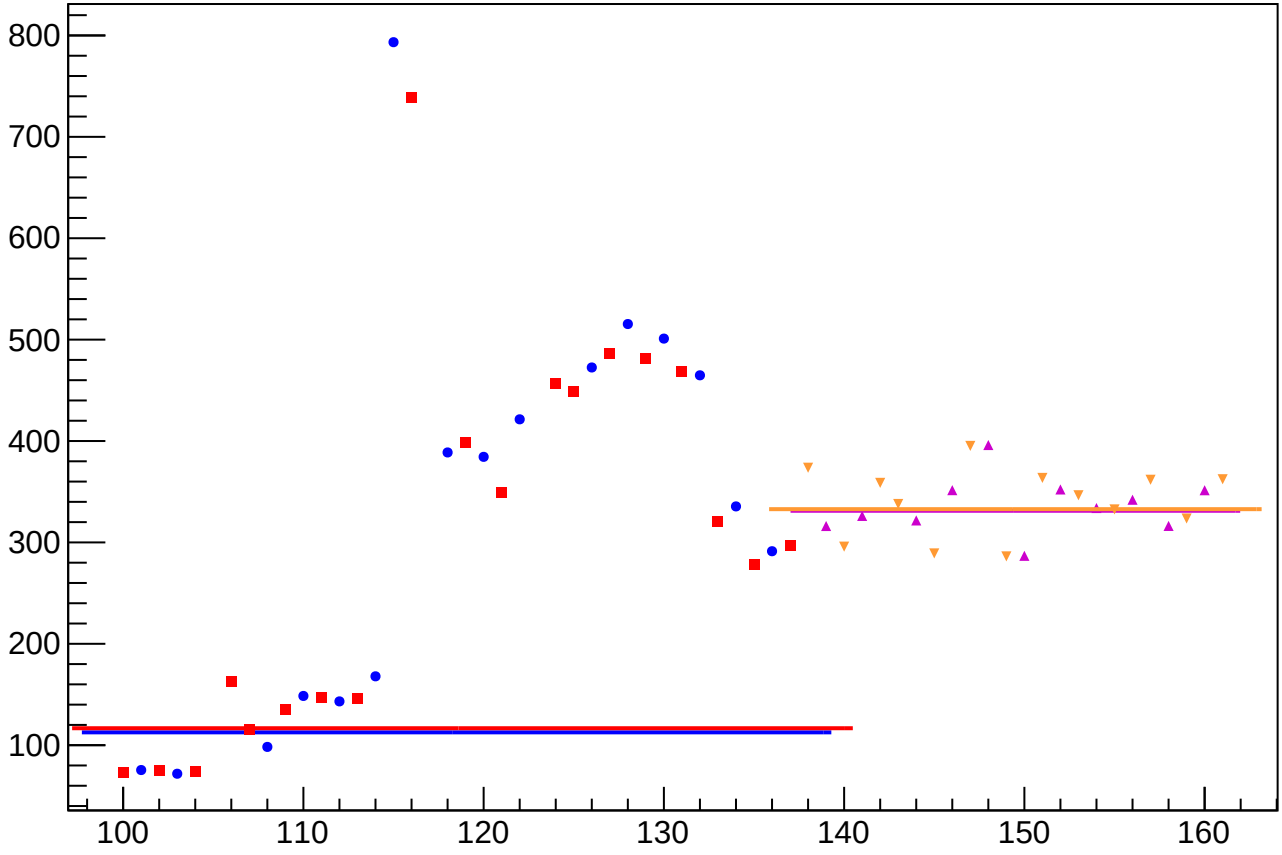
Left In: -137.330+/-107.982 χ^2/NDF:13.6/10

+ sign -49.999+/-47.666 χ^2/NDF: 30.2/28

All: -21.049+/-33.728 χ^2/NDF: 68.3/58

- sign 7.978+/-47.730 χ^2/NDF: 37.4/29

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 332.796+/-0.074 χ^2/NDF:208381.4/12

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

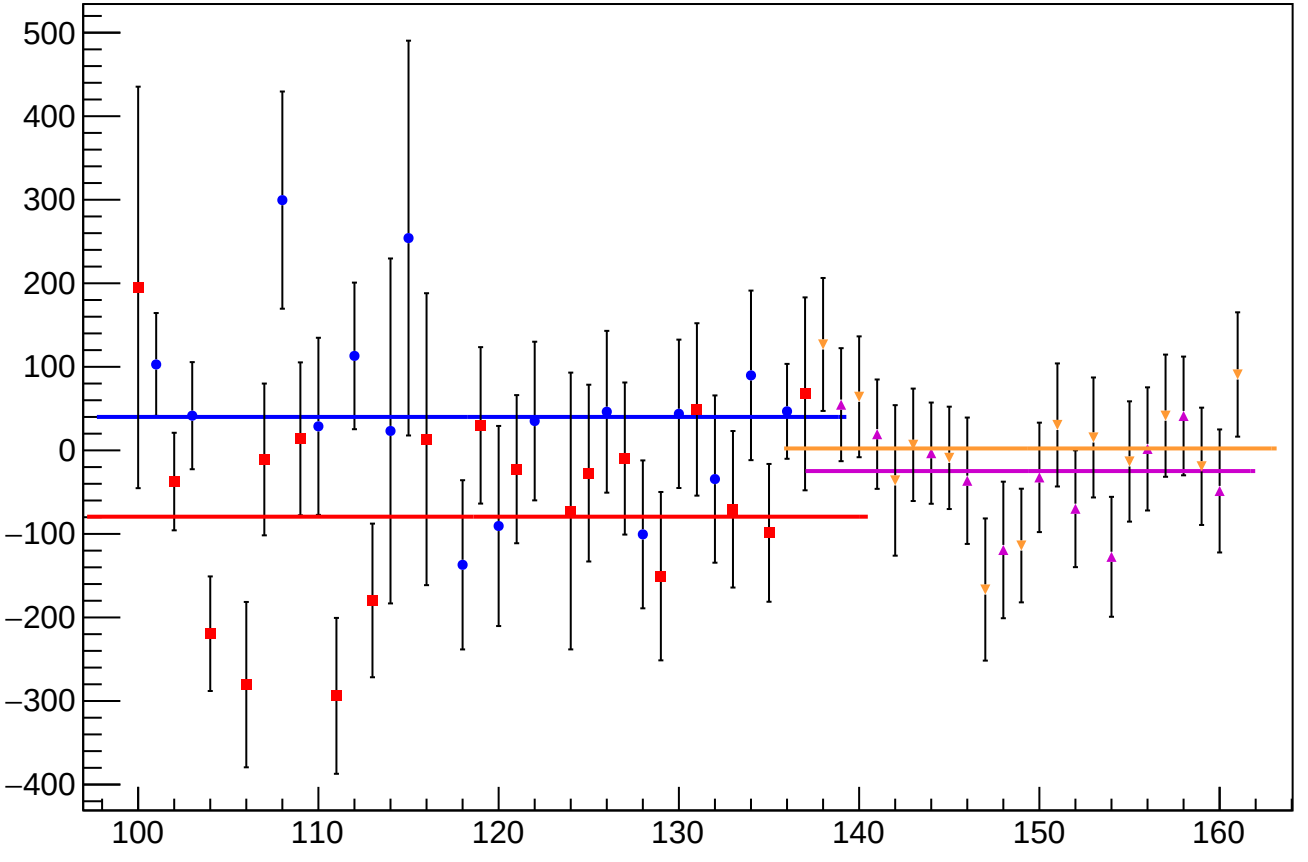
Left In: 331.216+/-0.076 χ^2/NDF:115940.4/10

+ sign 158.613+/-0.034 χ^2/NDF: 12852516.3/28

All: 158.626+/-0.024 χ^2/NDF: 24458909.5/58

- sign 158.639+/-0.034 χ^2/NDF: 11606392.9/29

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 2.300+/-20.181 χ^2/NDF:12.3/12

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

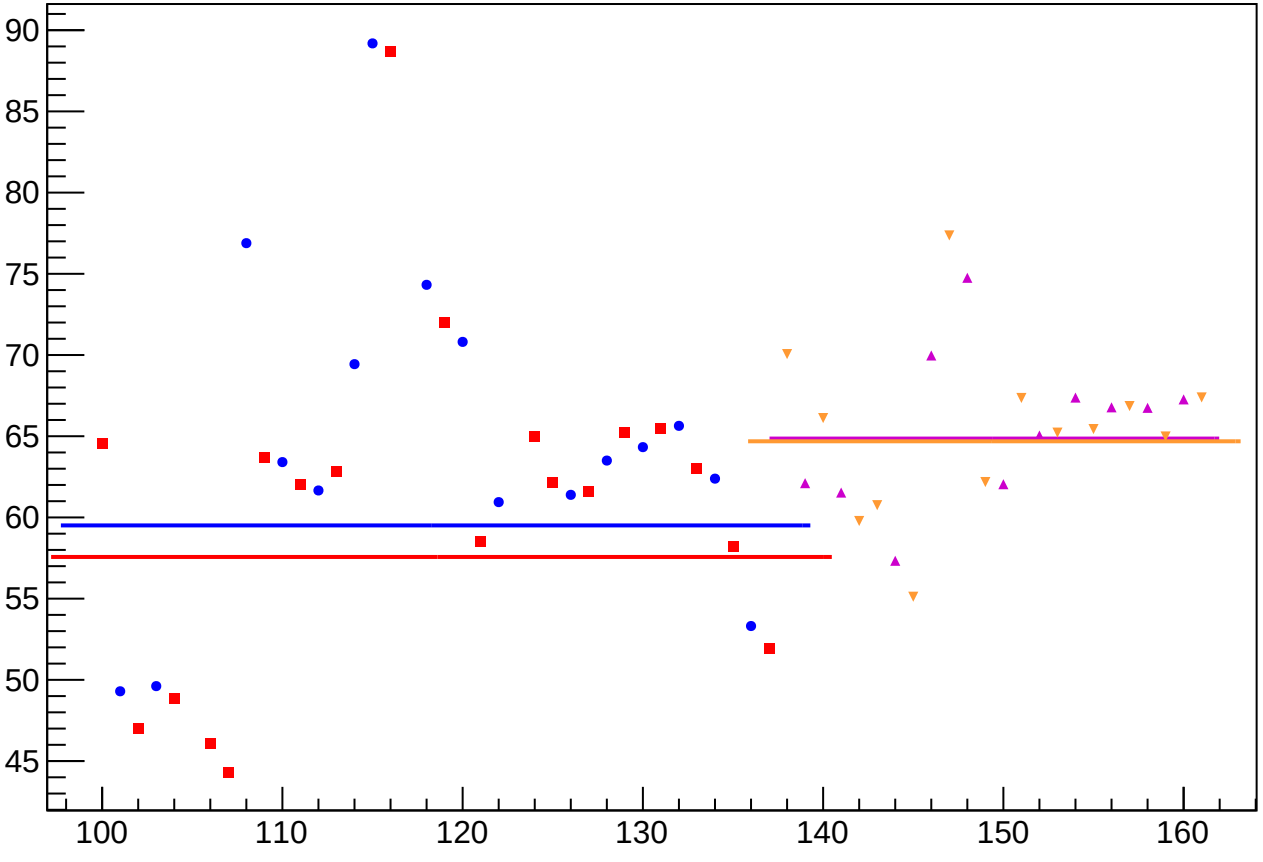
Left In: -24.766+/-21.095 χ^2/NDF:6.9/10

+ sign 19.109+/-15.028 χ^2/NDF: 28.0/28

All: -16.041+/-10.646 χ^2/NDF: 73.9/58

- sign -51.456+/-15.084 χ^2/NDF: 35.0/29

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.688+/-0.014 χ^2/NDF:125955.1/12

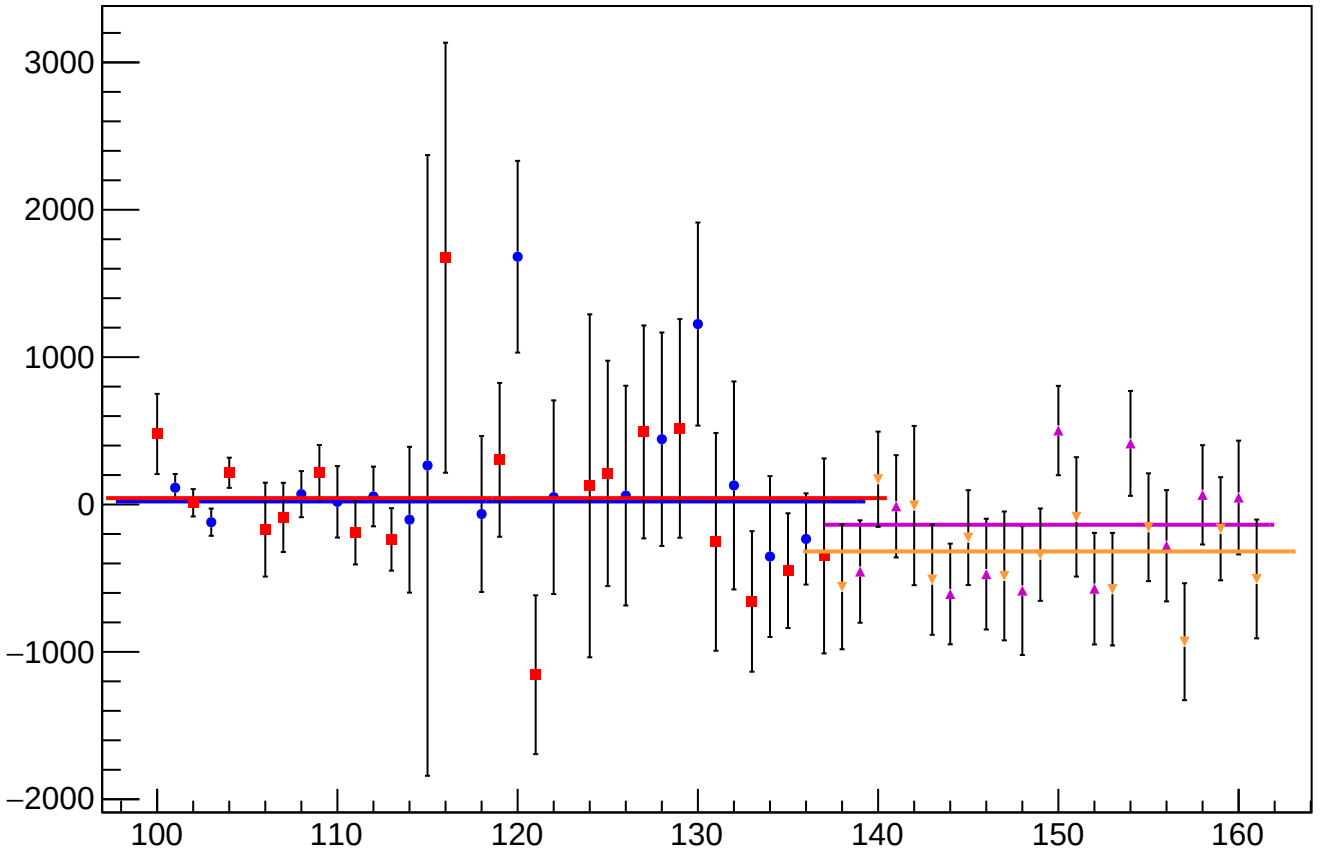
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 64.856+/-0.015 χ^2/NDF:88888.3/10

+ sign 62.381+/-0.011 χ^2/NDF: 467834.0/28

All: 61.839+/-0.008 χ^2/NDF: 1025999.9/58

- sign 61.293+/-0.011 χ^2/NDF: 552952.2/29



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -318.561+/-104.336 χ^2/NDF:7.2/12

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

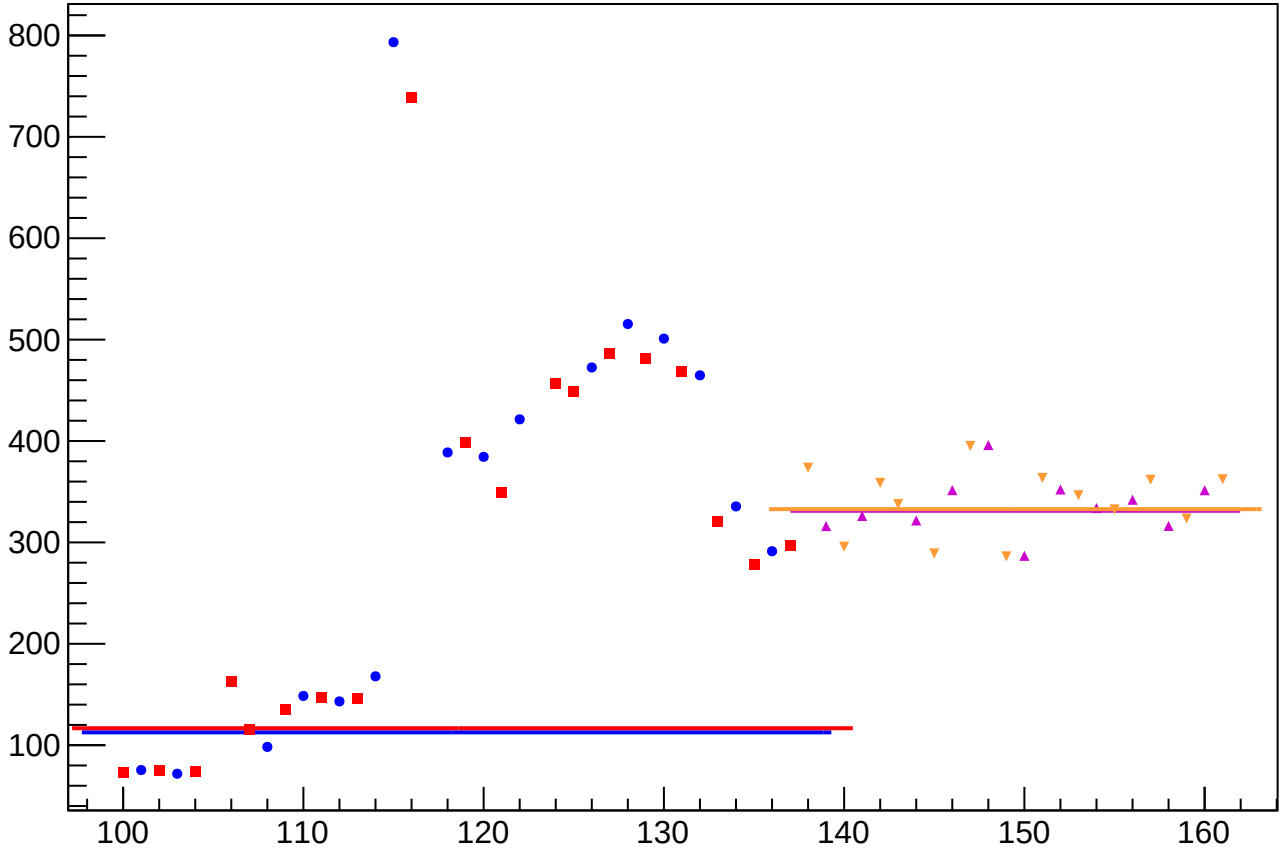
Left In: -137.330+/-107.982 χ^2/NDF:13.6/10

+ sign -49.998+/-47.666 χ^2/NDF: 30.2/28

All: -21.049+/-33.728 χ^2/NDF: 68.3/58

- sign 7.978+/-47.730 χ^2/NDF: 37.4/29

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 332.797+/-0.074 χ^2/NDF:208381.4/12

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

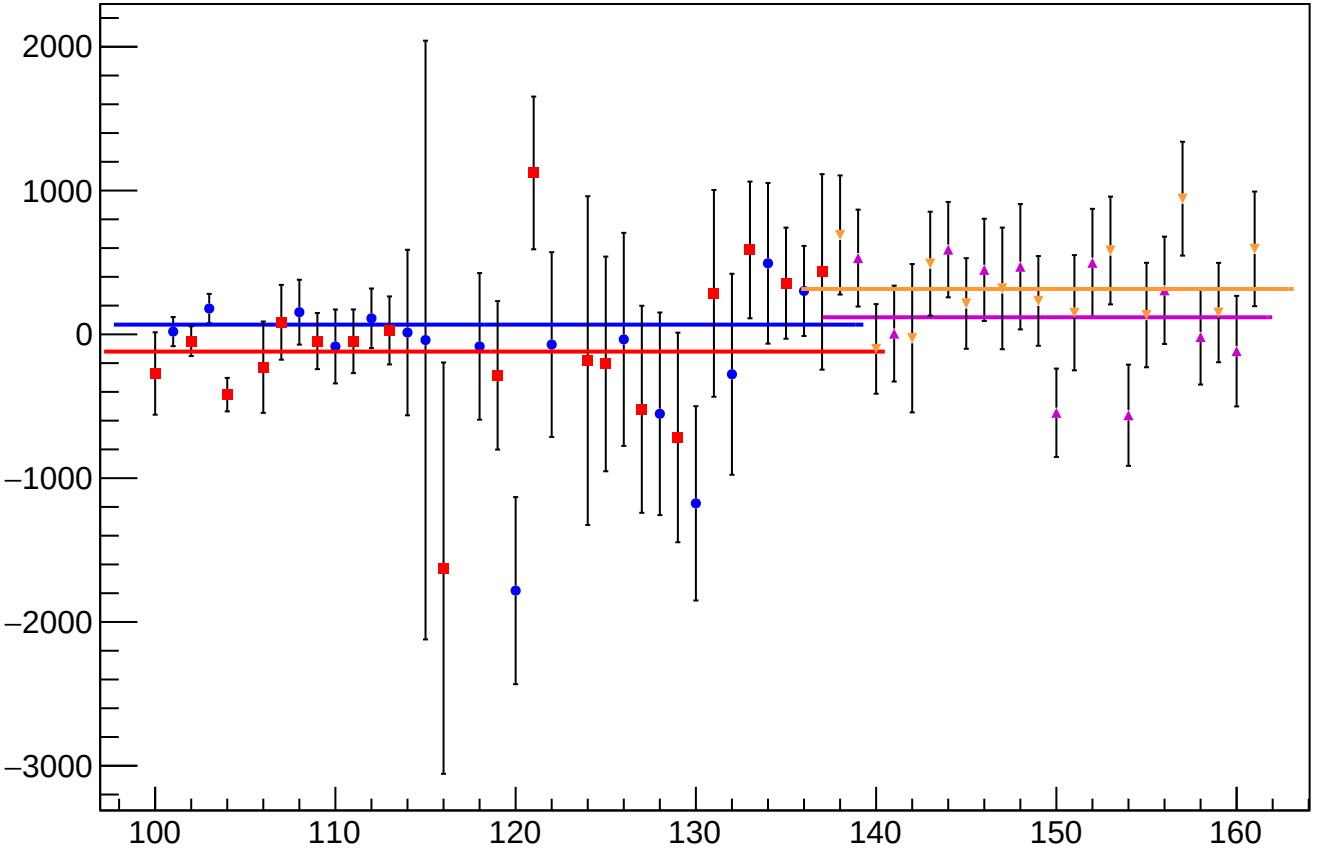
Left In: 331.217+/-0.076 χ^2/NDF:115940.2/10

+ sign 158.612+/-0.034 χ^2/NDF: 12852558.8/28

All: 158.625+/-0.024 χ^2/NDF: 24459004.4/58

- sign 158.638+/-0.034 χ^2/NDF: 11606445.2/29

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 315.734+/-102.347 χ^2/NDF:7.6/12

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

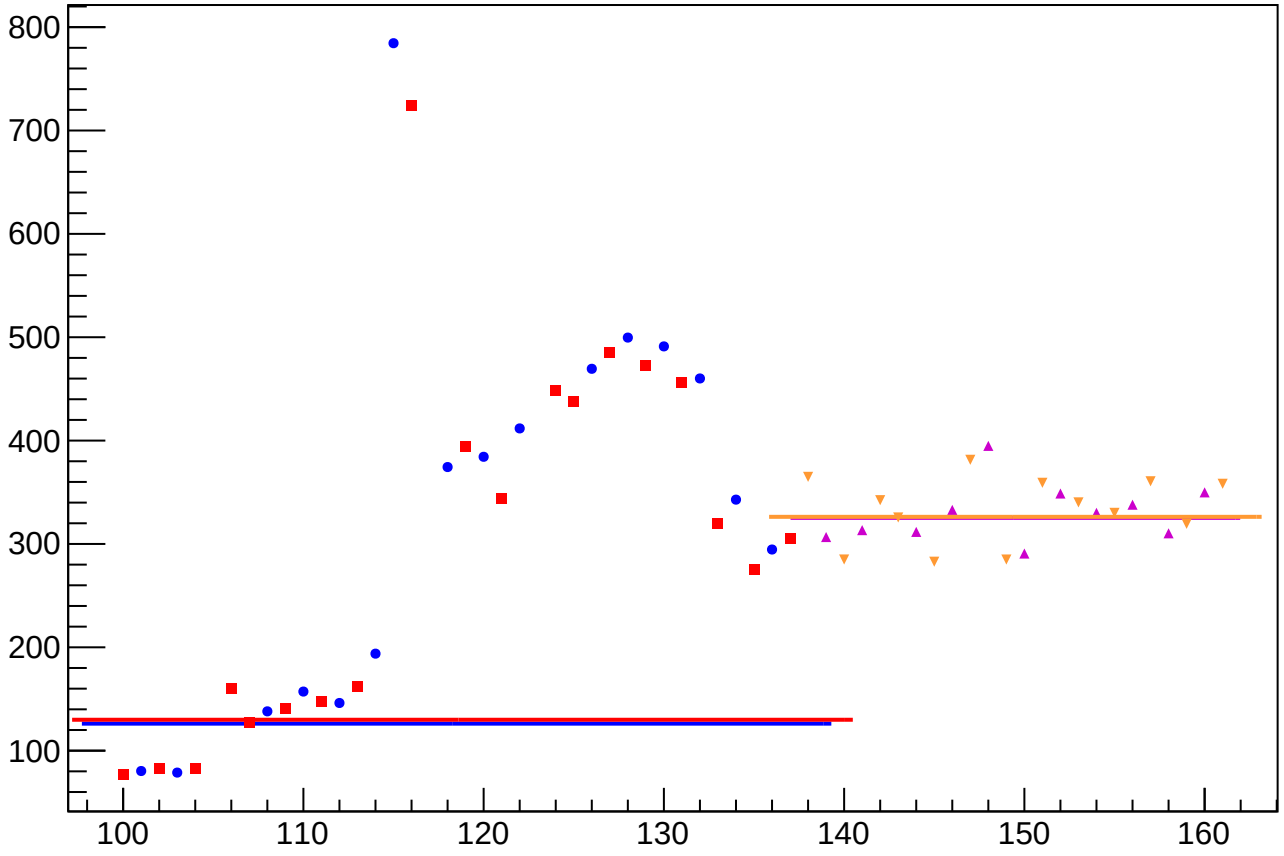
Left In: 118.762+/-106.033 χ^2/NDF:15.4/10

+ sign 129.773+/-51.225 χ^2/NDF: 27.8/28

All: 31.754+/-36.086 χ^2/NDF: 75.5/58

- sign -64.817+/-50.845 χ^2/NDF: 40.4/29

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 326.243+/-0.072 χ^2/NDF:206816.8/12

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

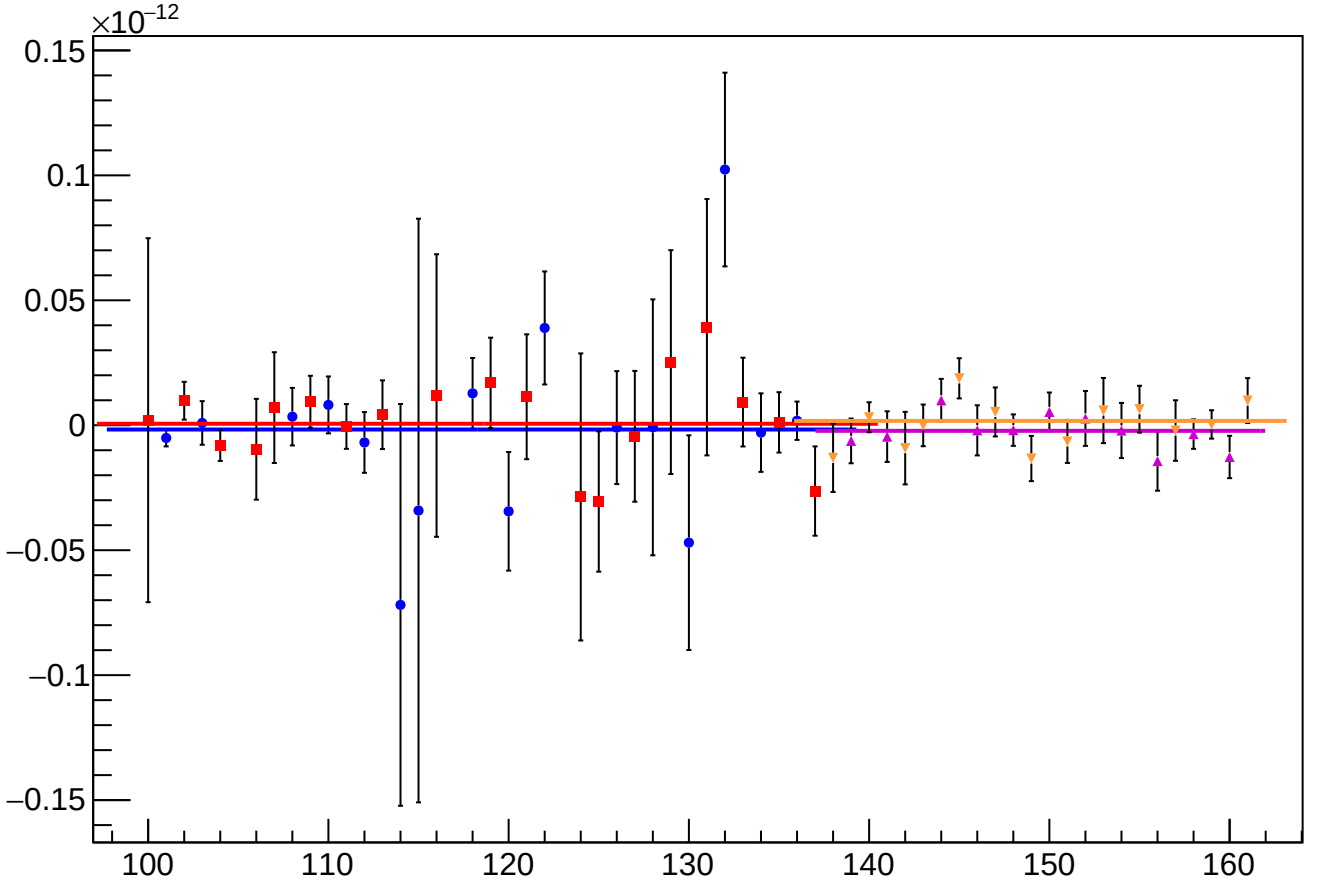
Left In: 325.214+/-0.075 χ^2/NDF:112137.9/10

+ sign 176.276+/-0.036 χ^2/NDF: 11156175.7/28

All: 175.544+/-0.026 χ^2/NDF: 21141699.7/58

- sign 174.822+/-0.036 χ^2/NDF: 9984712.4/29

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

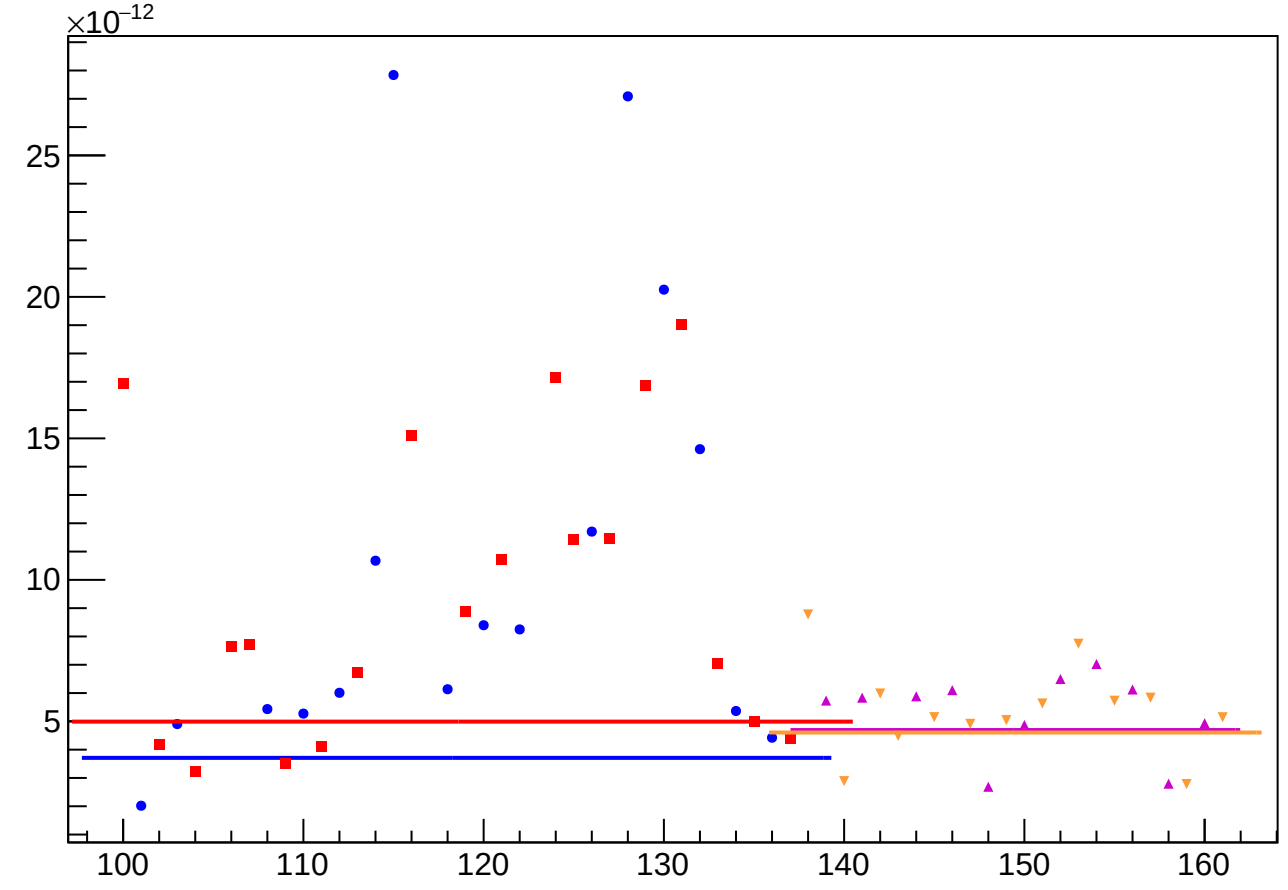
Left In: -0.000+/-0.000 χ^2/NDF:6.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 30.2/28

All: -0.000+/-0.000 χ^2/NDF: 47.5/58

- sign -0.000+/-0.000 χ^2/NDF: 17.1/29

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:791676.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

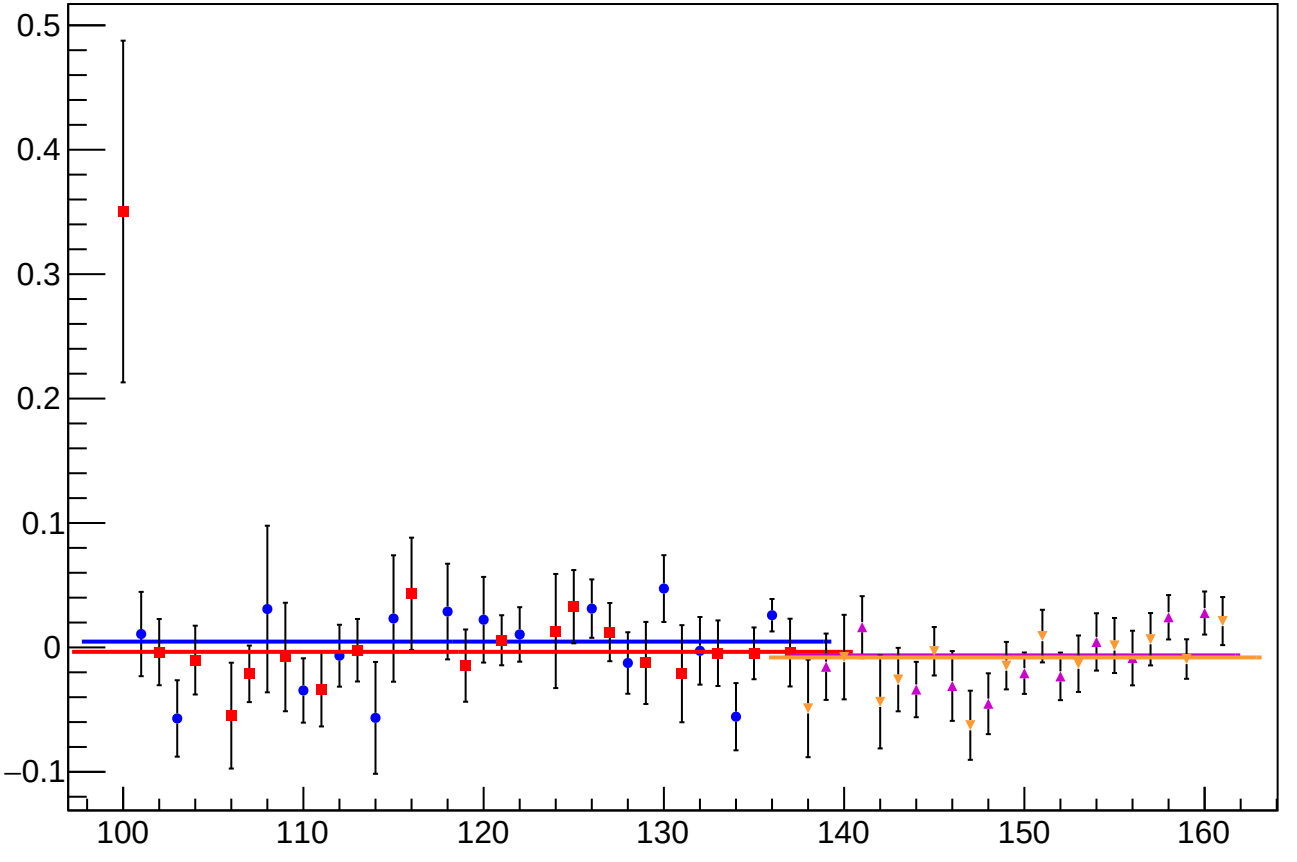
Left In: 0.000+/-0.000 χ^2/NDF:715261.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 3095223.4/28

All: 0.000+/-0.000 χ^2/NDF: 5229105.1/58

- sign 0.000+/-0.000 χ^2/NDF: 2021198.2/29

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: -0.008+/-0.006 χ^2/NDF:10.2/12

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

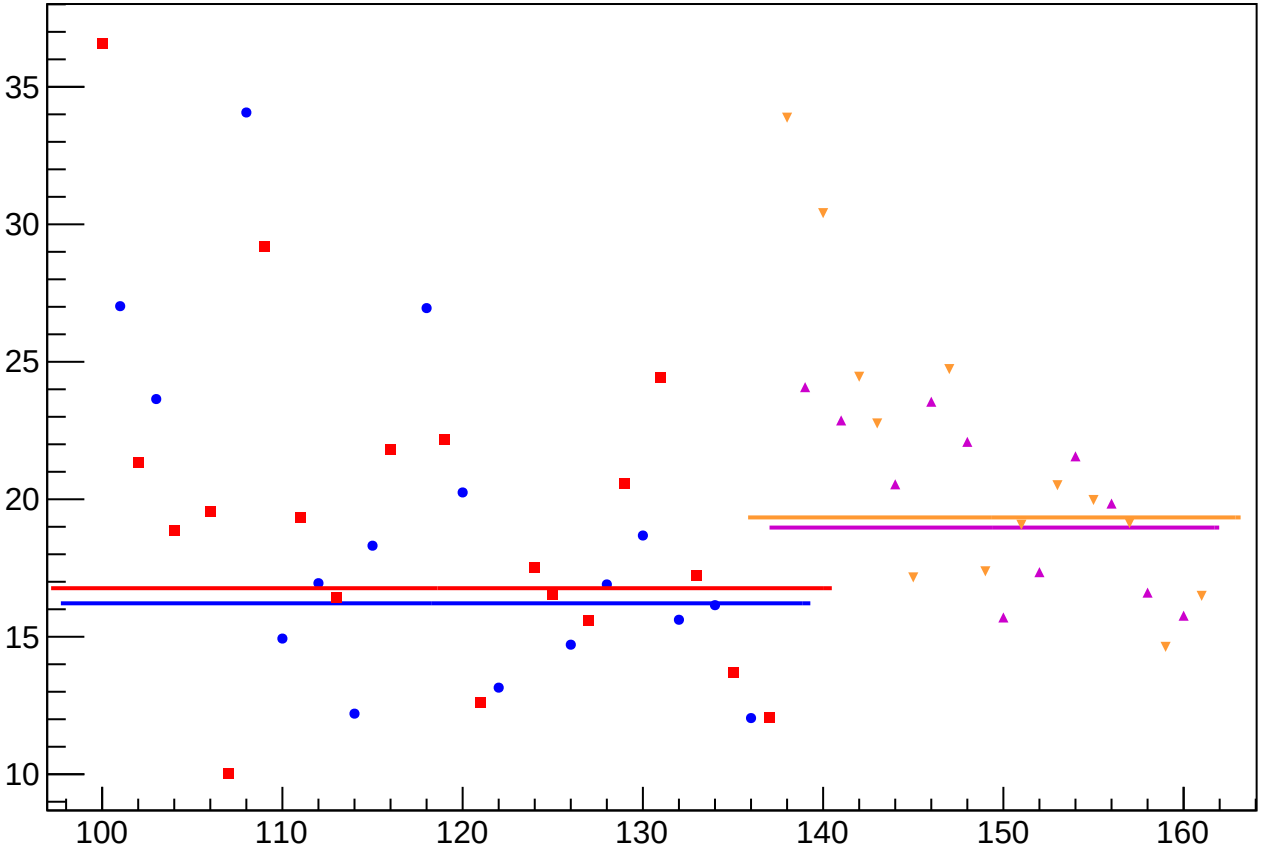
Left In: -0.006+/-0.006 χ^2/NDF:14.3/10

+ sign -0.002+/-0.005 χ^2/NDF: 33.6/28

All: -0.004+/-0.003 χ^2/NDF: 61.9/58

- sign -0.005+/-0.005 χ^2/NDF: 28.0/29

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: 19.340+/-0.004 χ^2/NDF:908926.0/12

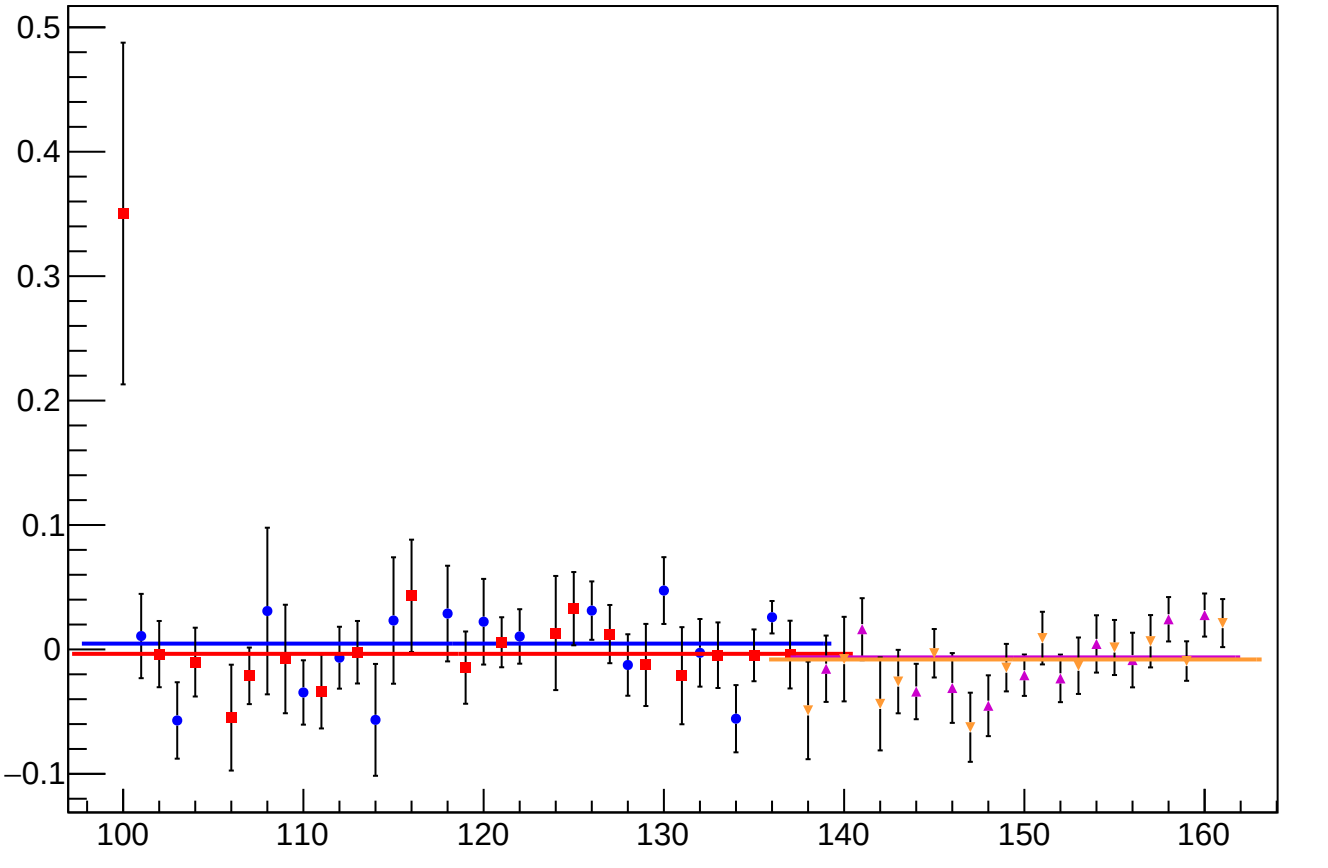
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 18.971+/-0.004 χ^2/NDF:441927.3/10

+ sign 17.854+/-0.003 χ^2/NDF: 2090208.8/28

All: 17.884+/-0.002 χ^2/NDF: 3514413.6/58

- sign 17.915+/-0.003 χ^2/NDF: 1424028.2/29



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.008+/-0.006 χ^2/NDF:10.2/12

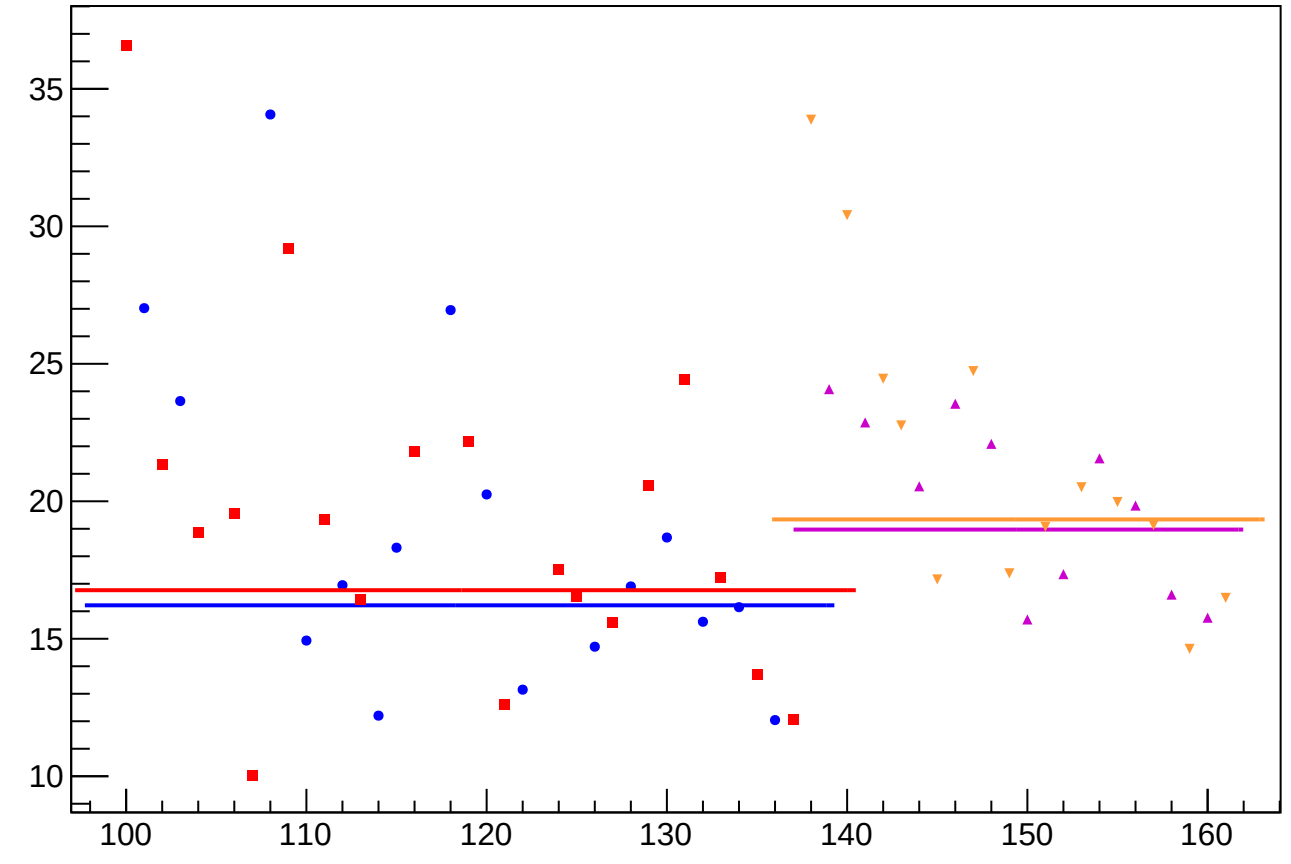
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.006 χ^2/NDF:14.3/10

+ sign -0.002+/-0.005 χ^2/NDF: 33.6/28

All: -0.004+/-0.003 χ^2/NDF: 61.9/58

- sign -0.005+/-0.005 χ^2/NDF: 28.0/29



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.340+/-0.004 χ^2/NDF:908926.0/12

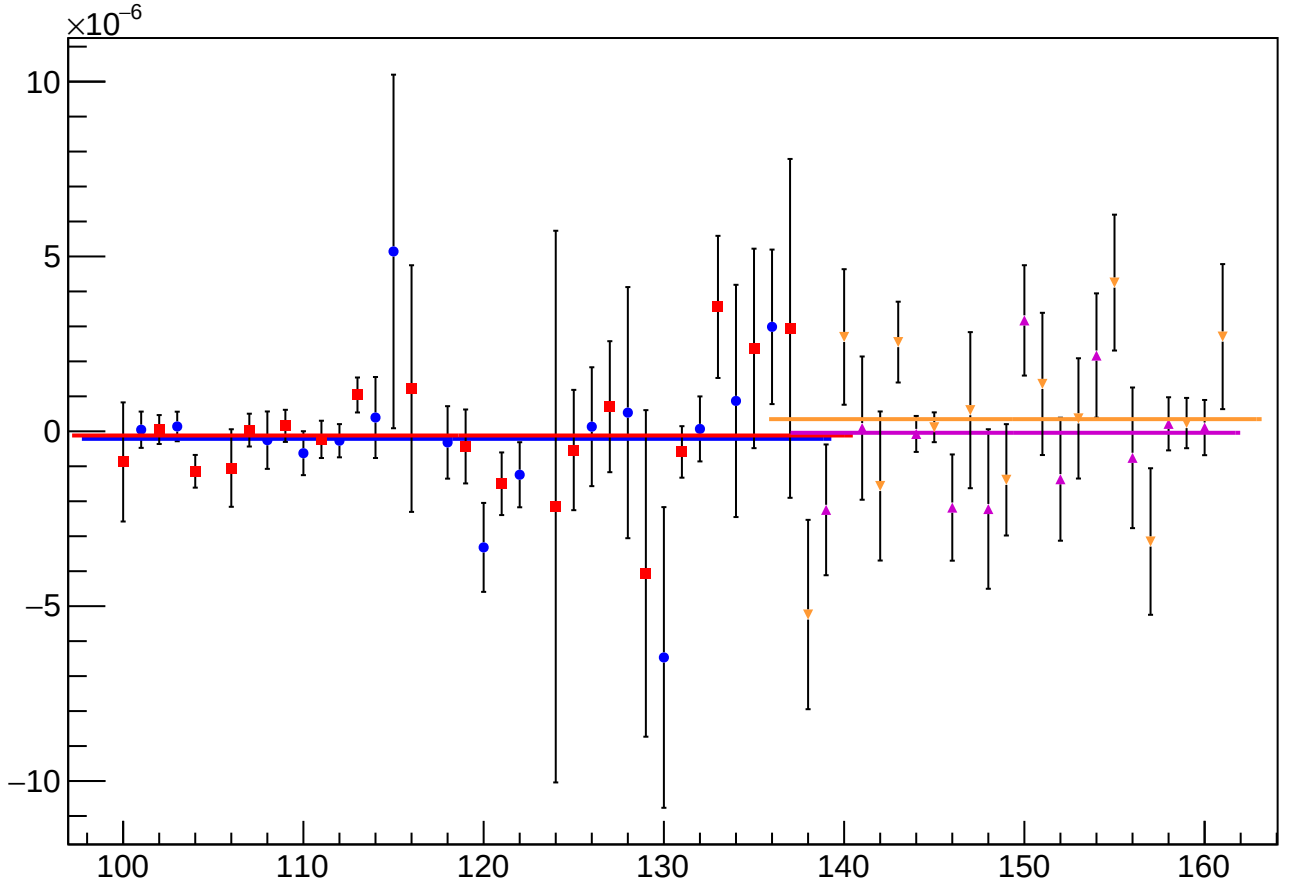
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 18.971+/-0.004 χ^2/NDF:441927.3/10

+ sign 17.854+/-0.003 χ^2/NDF: 2090208.8/28

All: 17.884+/-0.002 χ^2/NDF: 3514413.6/58

- sign 17.915+/-0.003 χ^2/NDF: 1424028.2/29



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/12

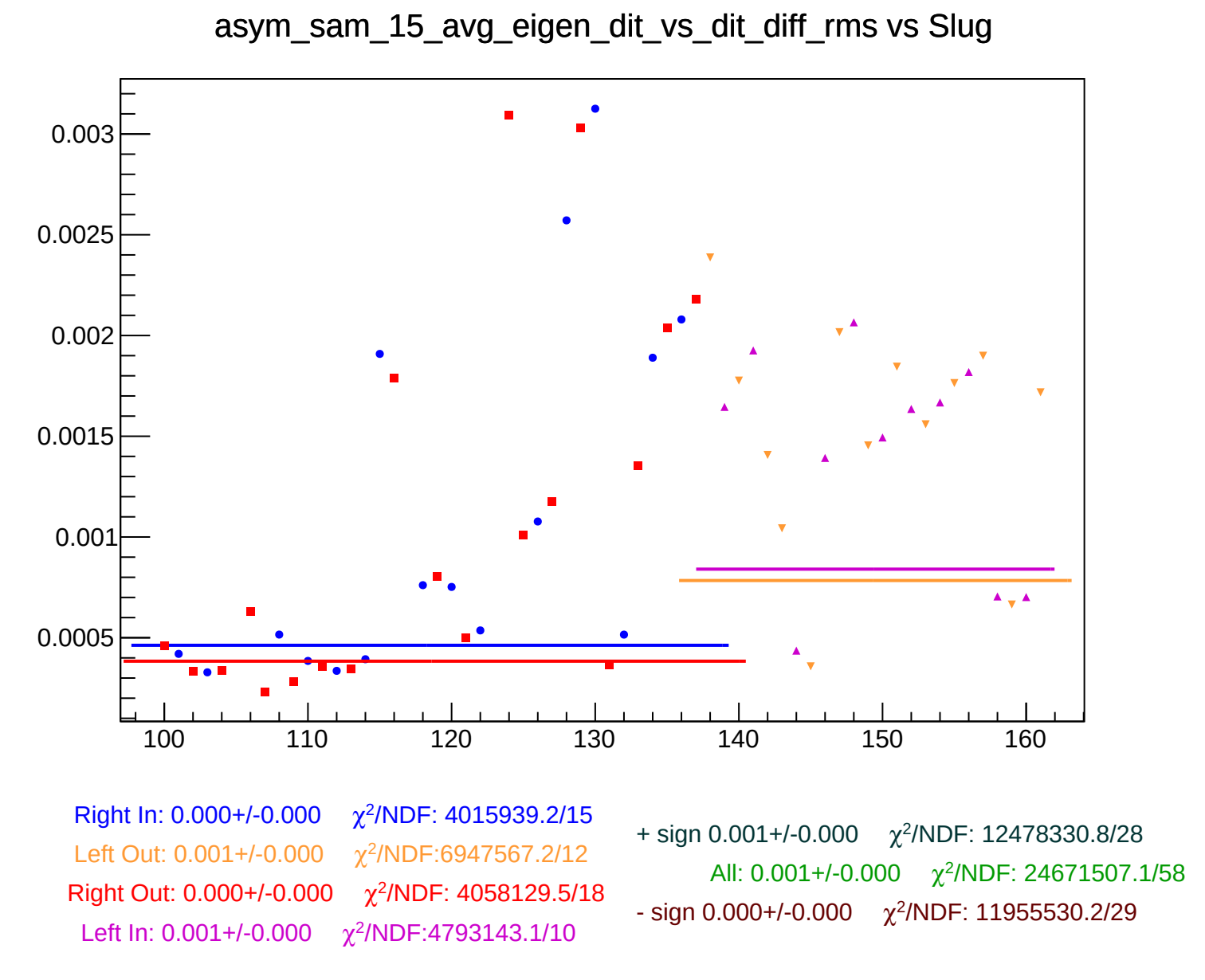
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

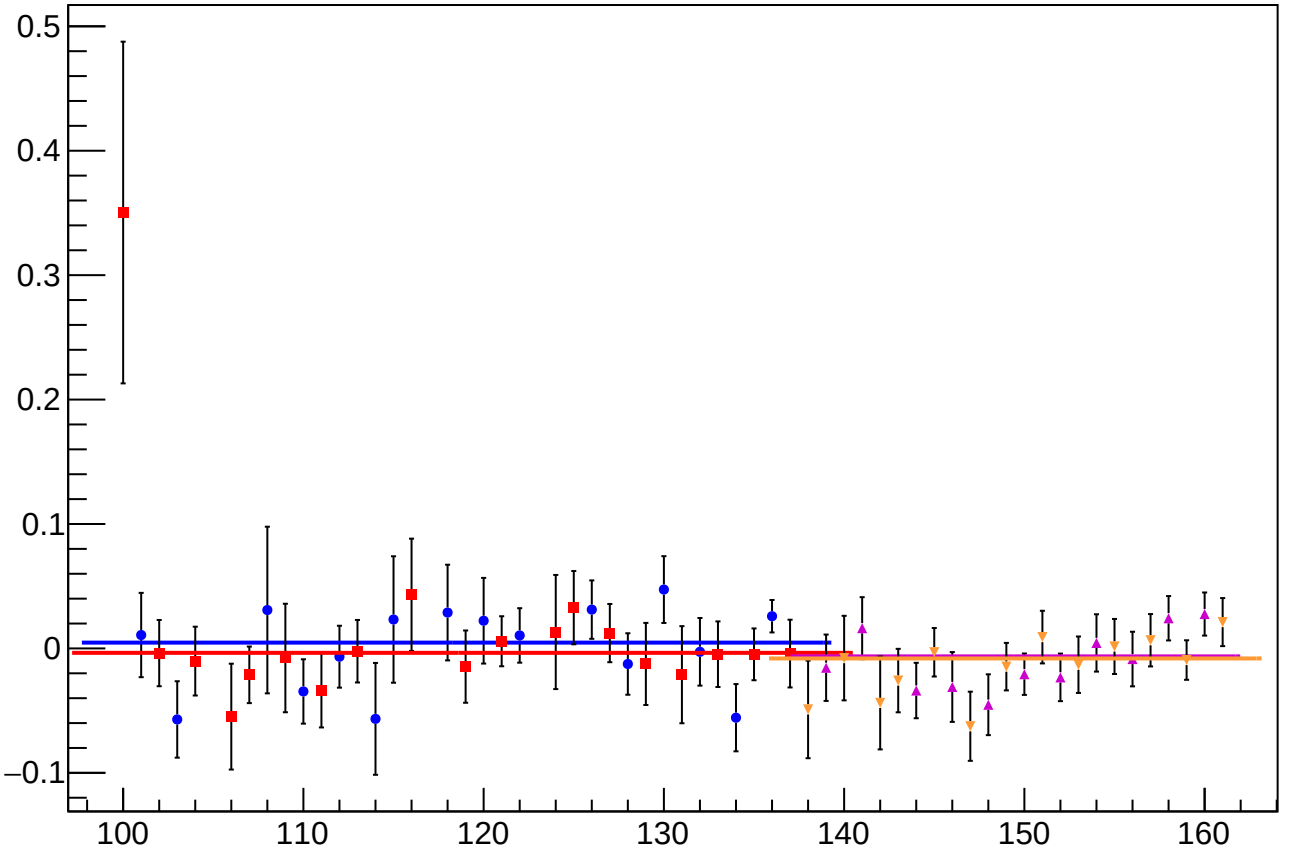
Left In: -0.000+/-0.000 χ^2/NDF:10.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 36.9/28

All: -0.000+/-0.000 χ^2/NDF: 68.0/58

- sign -0.000+/-0.000 χ^2/NDF: 31.1/29


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
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:6947567.2/12
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:4793143.1/10
+ sign 0.001+/-0.000 χ²/NDF: 12478330.8/28
All: 0.001+/-0.000 χ²/NDF: 24671507.1/58
- sign 0.000+/-0.000 χ²/NDF: 11955530.2/29



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.008+/-0.006 χ^2/NDF:10.2/12

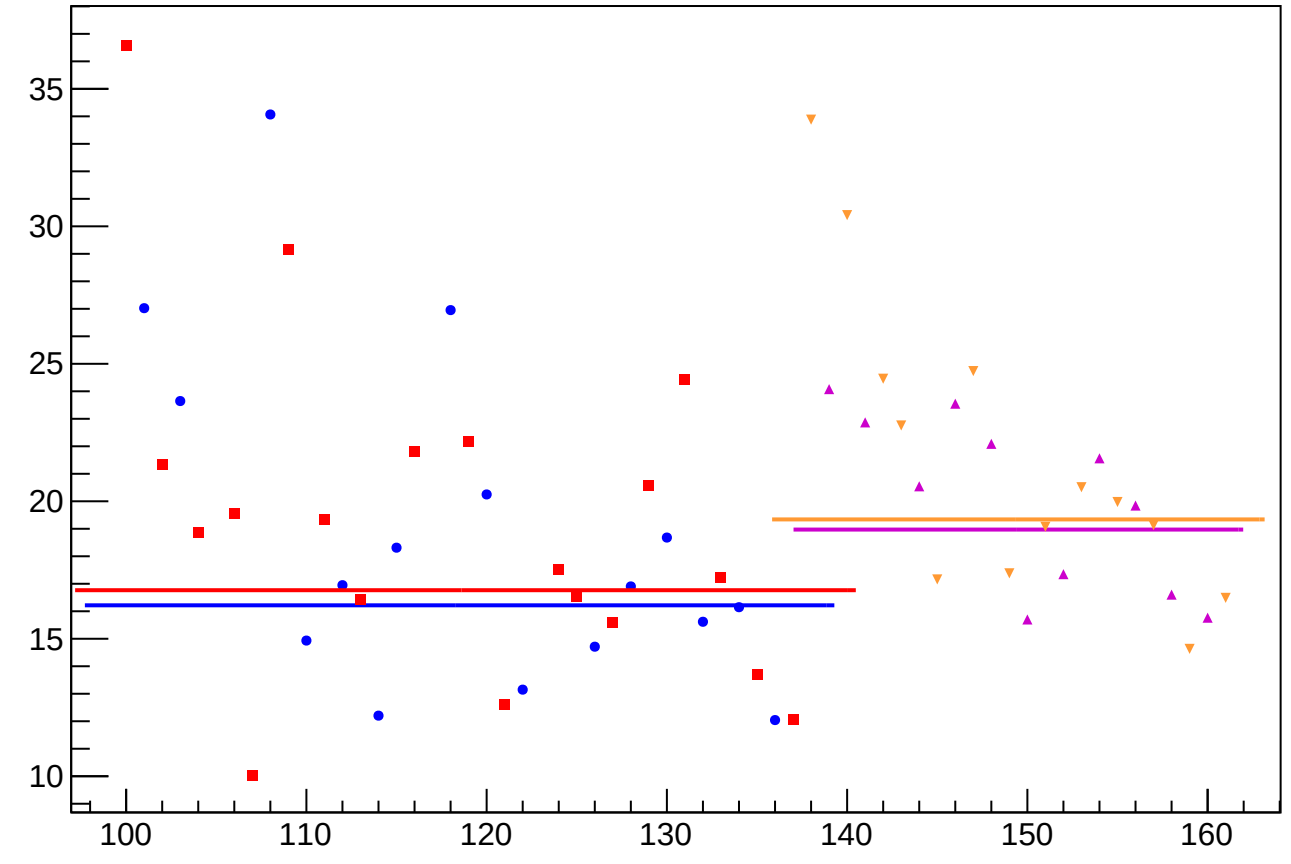
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.006 χ^2/NDF:14.3/10

+ sign -0.002+/-0.005 χ^2/NDF: 33.6/28

All: -0.004+/-0.003 χ^2/NDF: 61.9/58

- sign -0.005+/-0.005 χ^2/NDF: 28.0/29



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.340+/-0.004 χ^2/NDF:909026.2/12

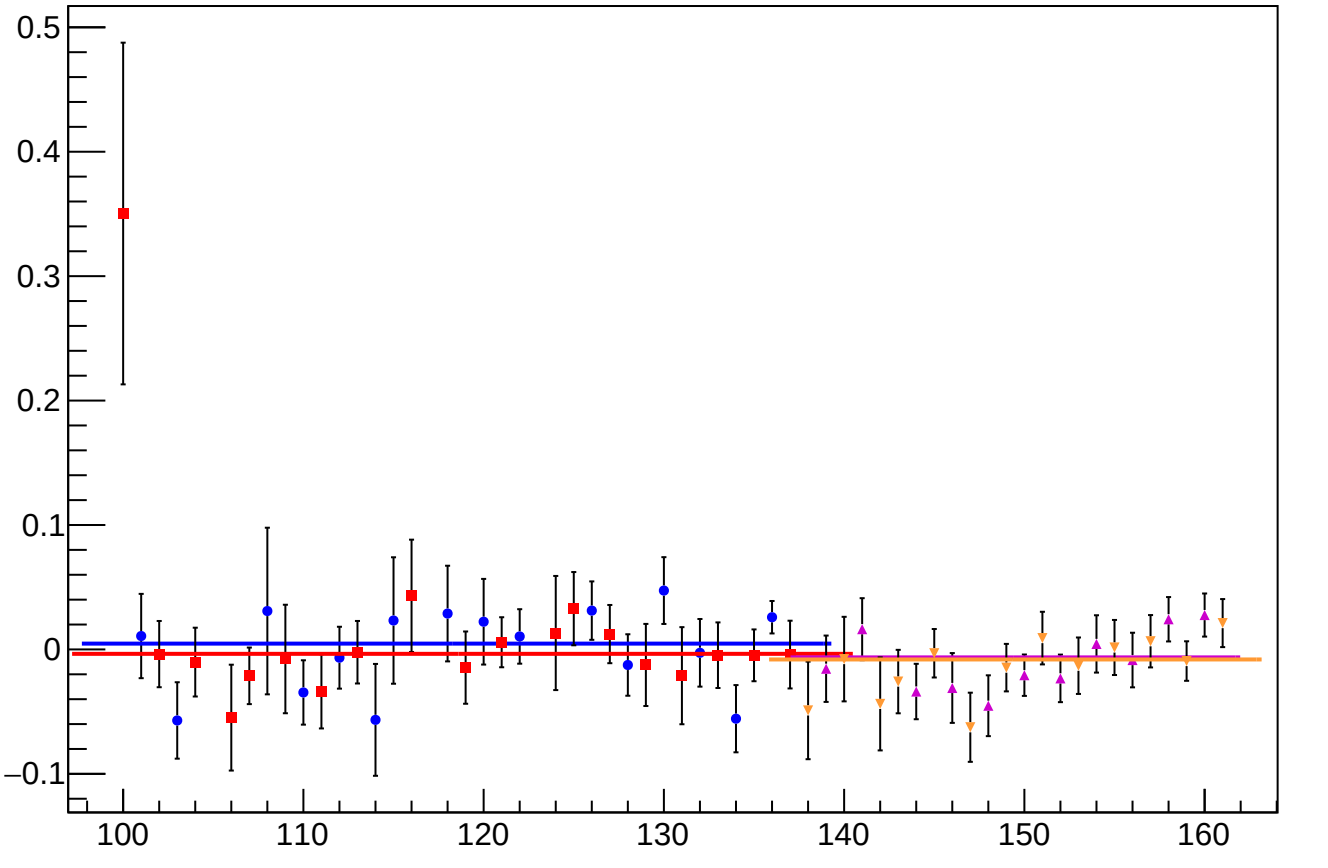
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 18.971+/-0.004 χ^2/NDF:442034.1/10

\+ sign 17.854+/-0.003 χ^2/NDF: 2090307.4/28

All: 17.884+/-0.002 χ^2/NDF: 3514635.4/58

\- sign 17.915+/-0.003 χ^2/NDF: 1424151.3/29



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.008+/-0.006 χ^2/NDF:10.2/12

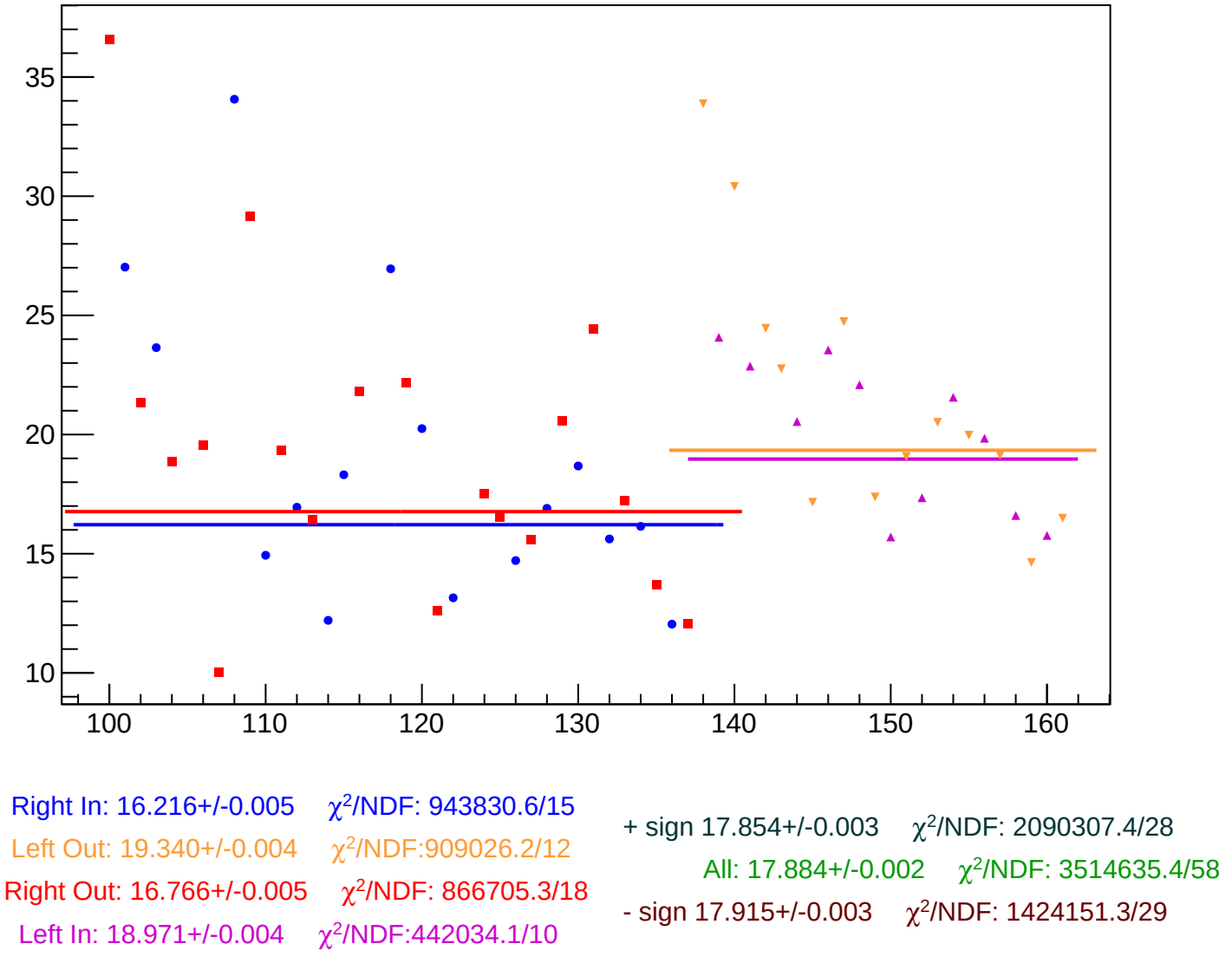
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.006 χ^2/NDF:14.3/10

+ sign -0.002+/-0.005 χ^2/NDF: 33.6/28

All: -0.004+/-0.003 χ^2/NDF: 61.9/58

- sign -0.005+/-0.005 χ^2/NDF: 28.0/29


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
35
30
25
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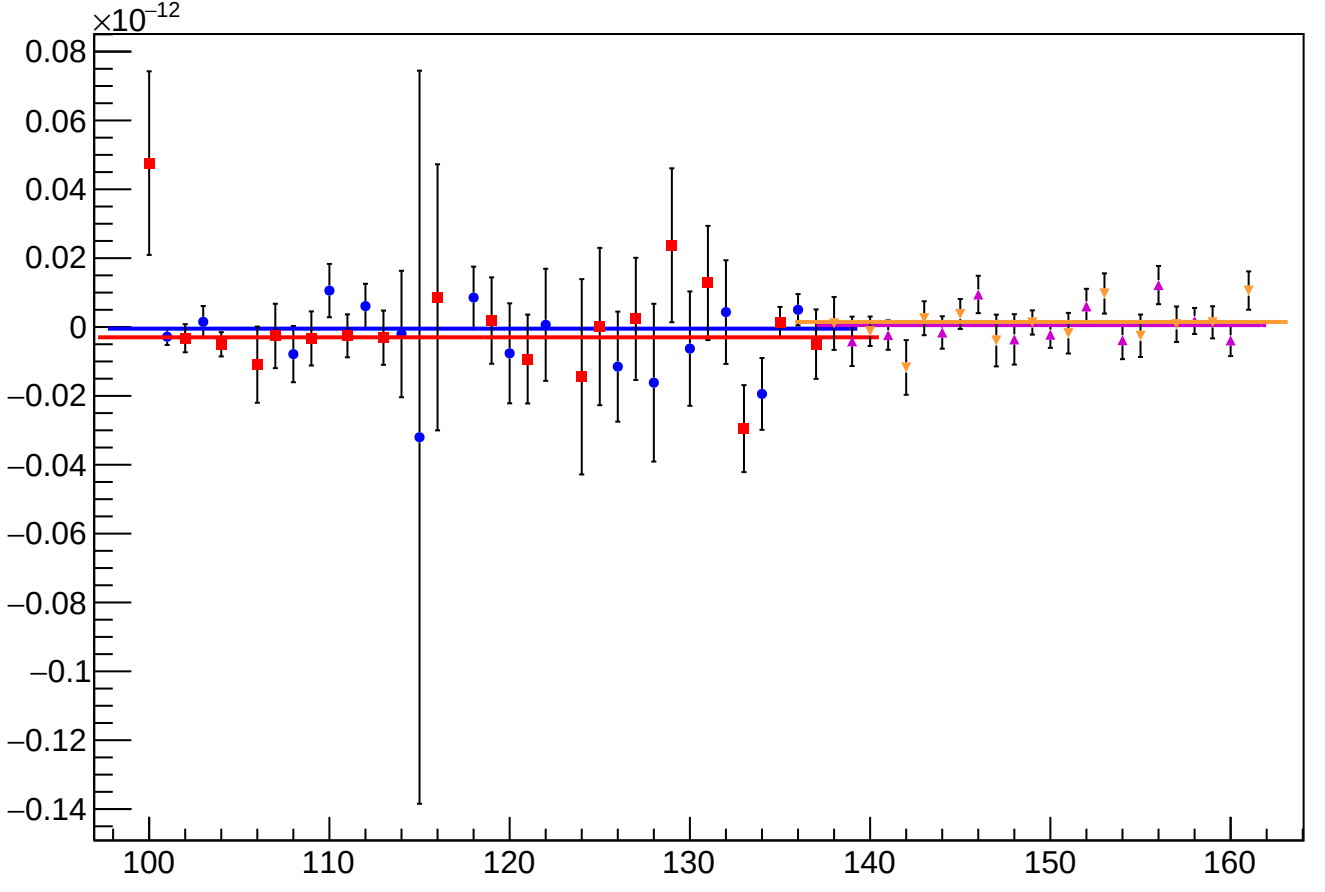
100
110
120
130
140
150
160
Right In: 16.216+/-0.005 χ²/NDF: 943830.6/15
Left Out: 19.340+/-0.004 χ²/NDF:909026.2/12
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 18.971+/-0.004 χ²/NDF:442034.1/10
+ sign 17.854+/-0.003 χ²/NDF: 2090307.4/28
All: 17.884+/-0.002 χ²/NDF: 3514635.4/58
- sign 17.915+/-0.003 χ²/NDF: 1424151.3/29



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/12

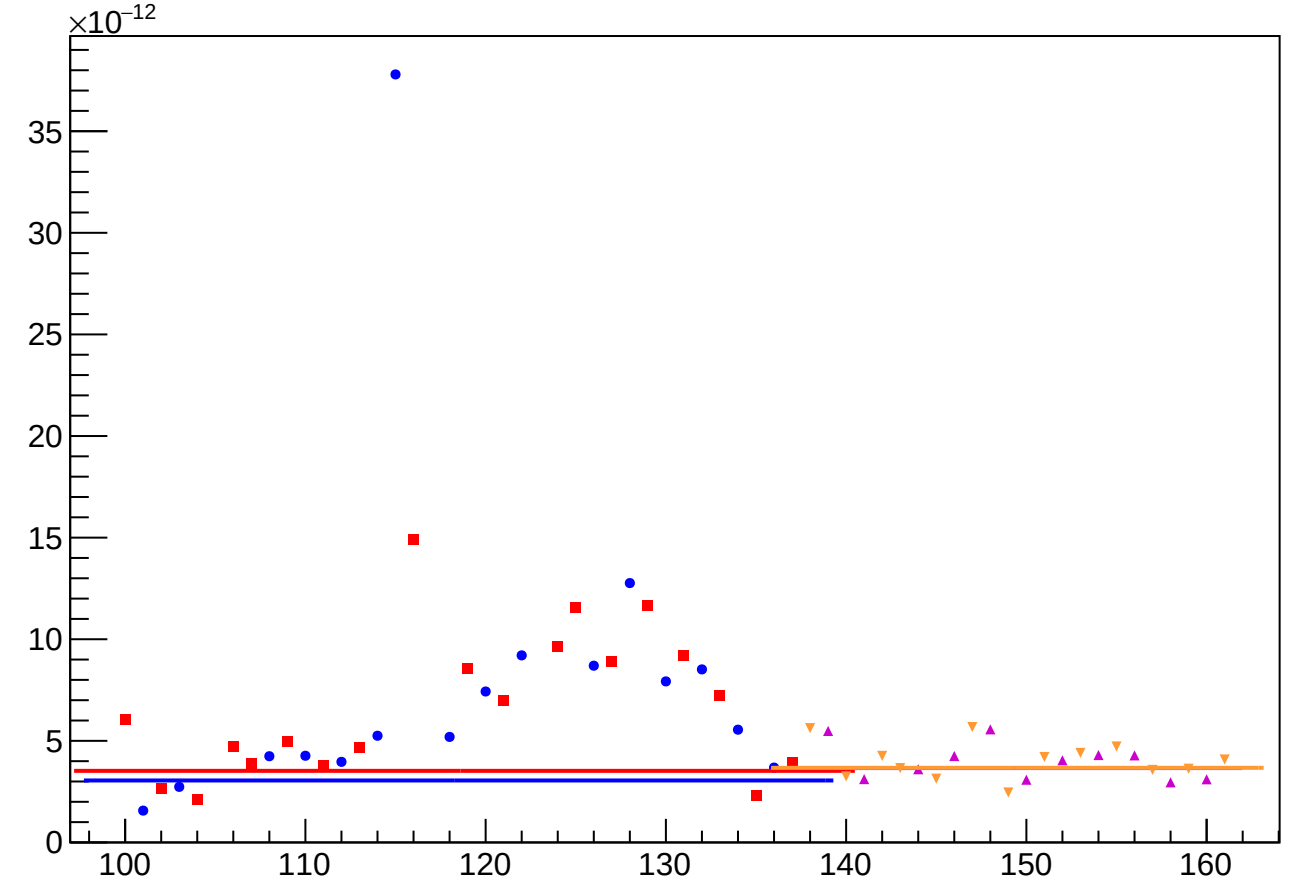
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 22.6/28

All: -0.000+/-0.000 χ^2/NDF: 50.7/58

- sign -0.000+/-0.000 χ^2/NDF: 27.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:687563.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

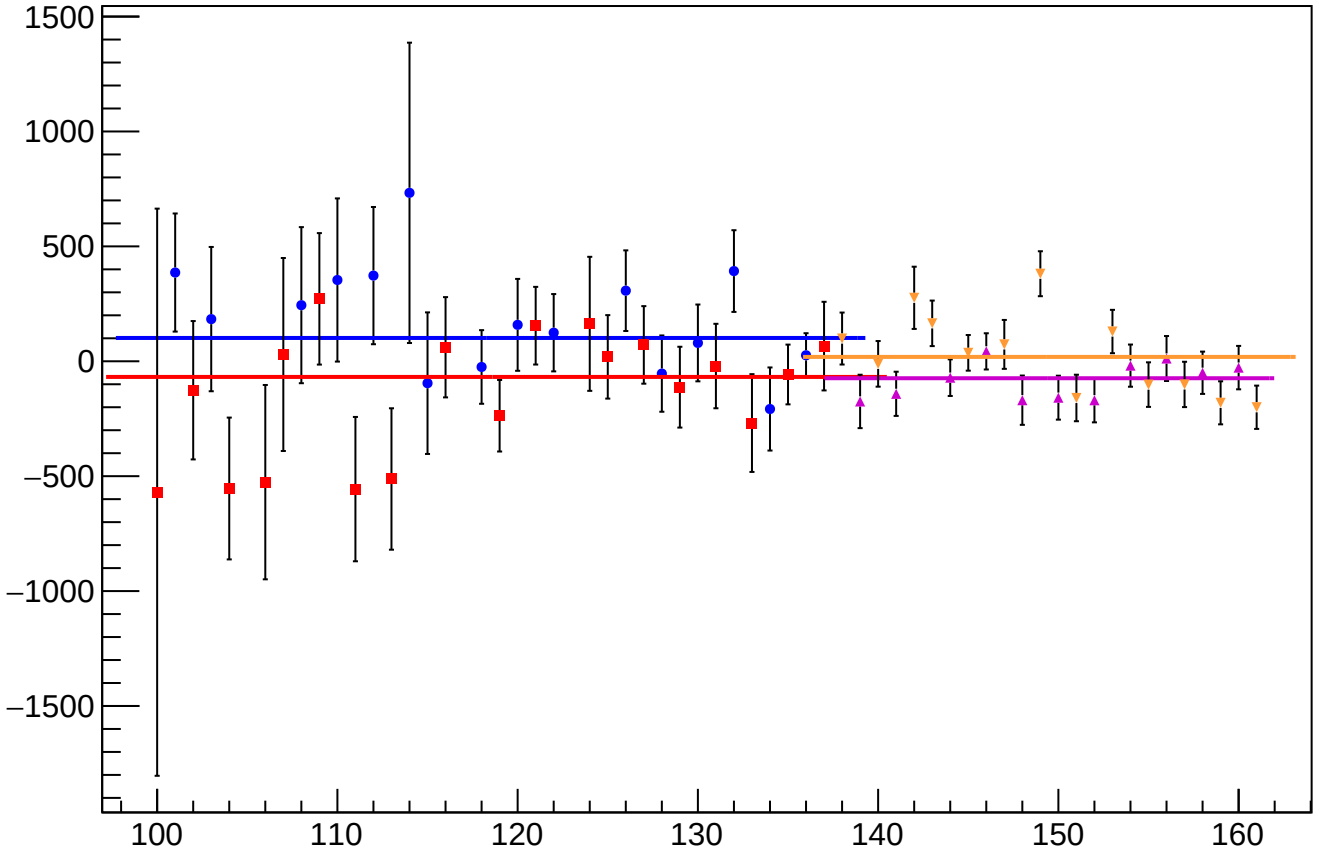
Left In: 0.000+/-0.000 χ^2/NDF:528829.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 3787637.4/28

All: 0.000+/-0.000 χ^2/NDF: 6916732.5/58

- sign 0.000+/-0.000 χ^2/NDF: 3094896.6/29

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 19.028+/-27.307 χ^2/NDF:37.9/12

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

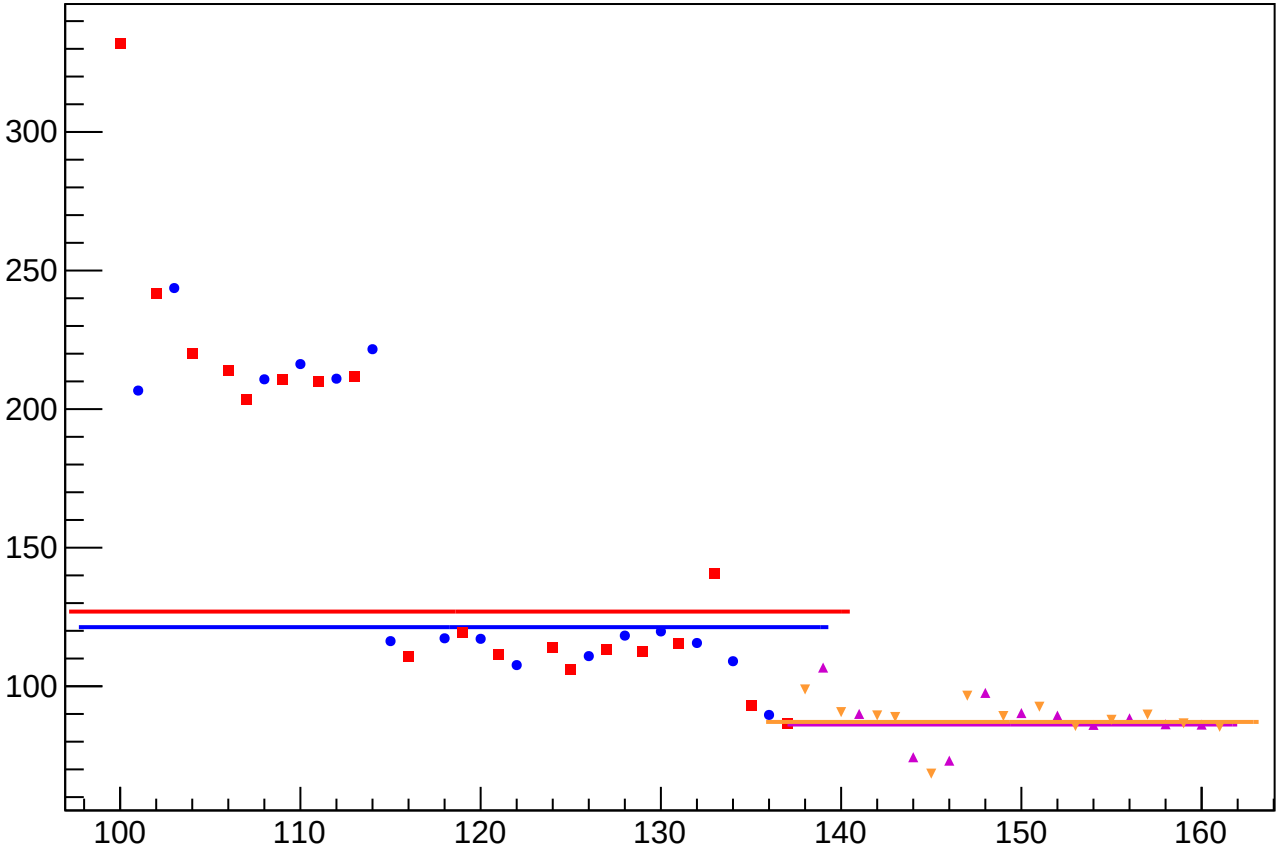
Left In: -73.804+/-28.192 χ^2/NDF:7.4/10

+ sign 39.420+/-23.690 χ^2/NDF: 53.5/28

All: -14.665+/-17.023 χ^2/NDF: 87.8/58

- sign -72.402+/-24.477 χ^2/NDF: 23.6/29

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.126+/-0.019 χ^2/NDF:166539.7/12

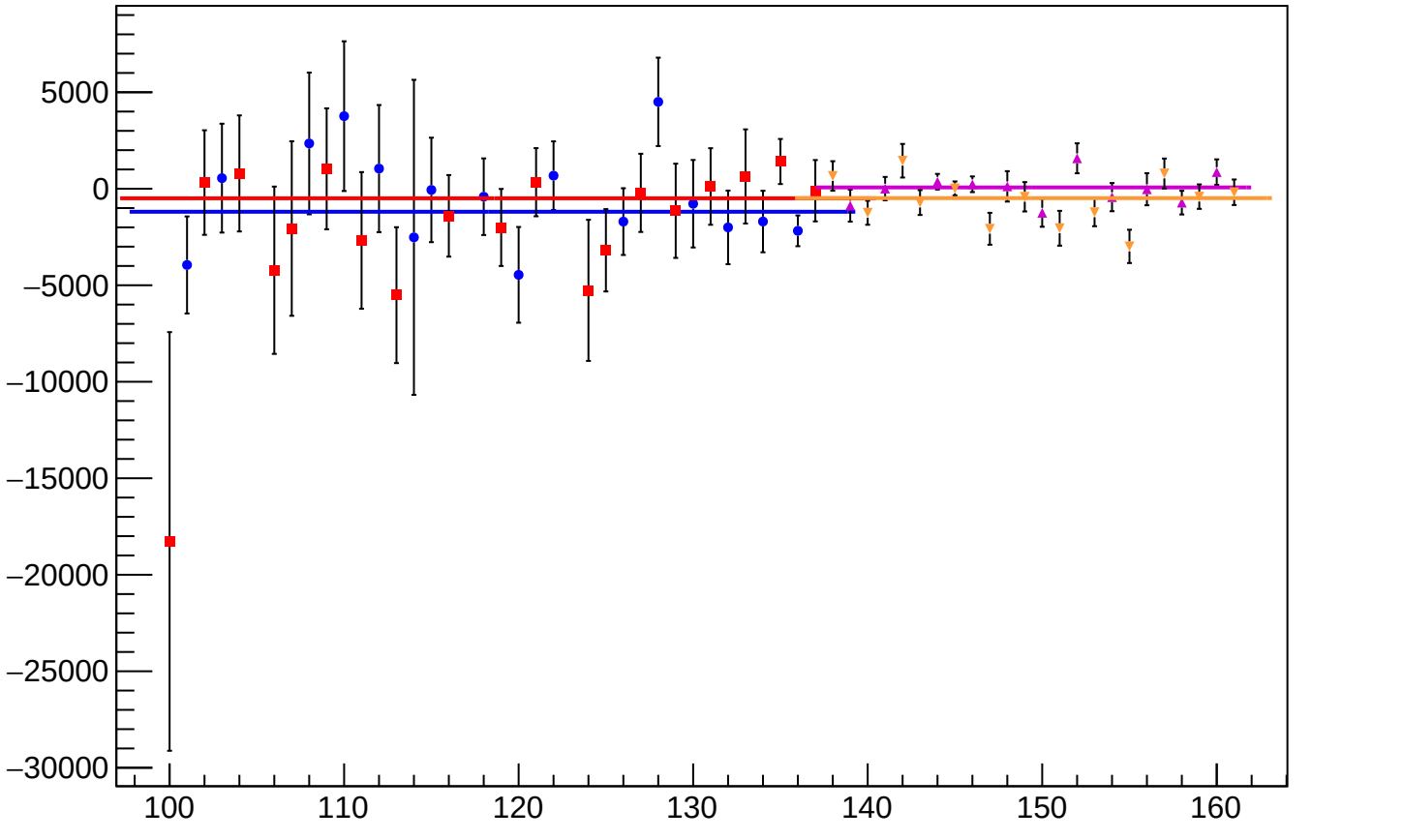
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.190+/-0.020 χ^2/NDF:194032.3/10

\+ sign 95.586+/-0.017 χ^2/NDF: 2229222.5/28

All: 95.895+/-0.012 χ^2/NDF: 4924629.3/58

\- sign 96.225+/-0.017 χ^2/NDF: 2694702.9/29



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -485.716+/-183.331 χ^2/NDF:29.8/12

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

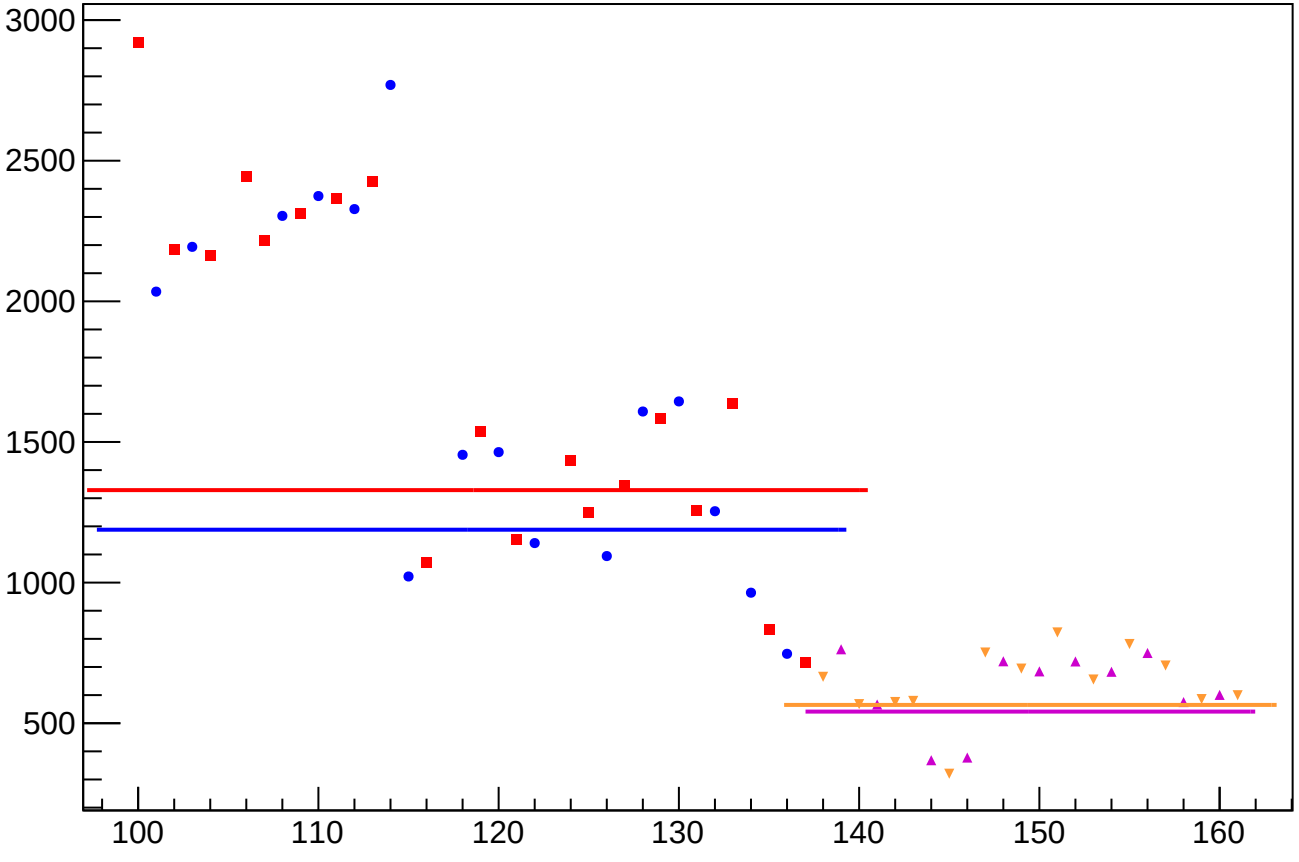
Left In: 68.893+/-183.243 χ^2/NDF:12.7/10

+ sign -576.011+/-171.215 χ^2/NDF: 47.6/28

All: -287.336+/-121.655 χ^2/NDF: 80.9/58

- sign 7.018+/-172.891 χ^2/NDF: 27.6/29

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 565.125+/-0.130 χ^2/NDF:1500340.0/12

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

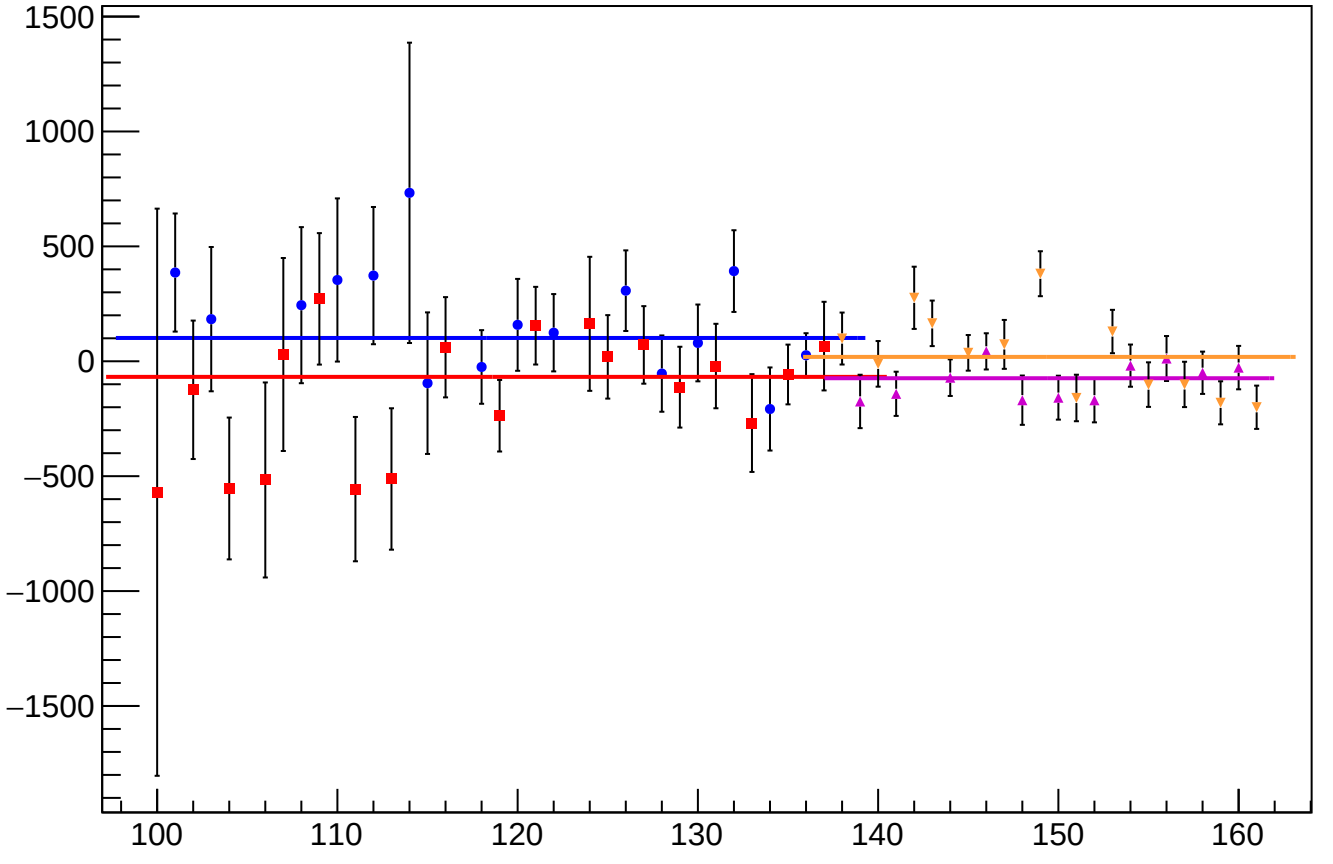
Left In: 541.387+/-0.130 χ^2/NDF:1343633.1/10

+ sign 644.746+/-0.121 χ^2/NDF: 6496410.2/28

All: 636.379+/-0.086 χ^2/NDF: 13862590.3/58

- sign 627.848+/-0.122 χ^2/NDF: 7356533.7/29

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 19.033+/-27.307 χ^2/NDF:37.9/12

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

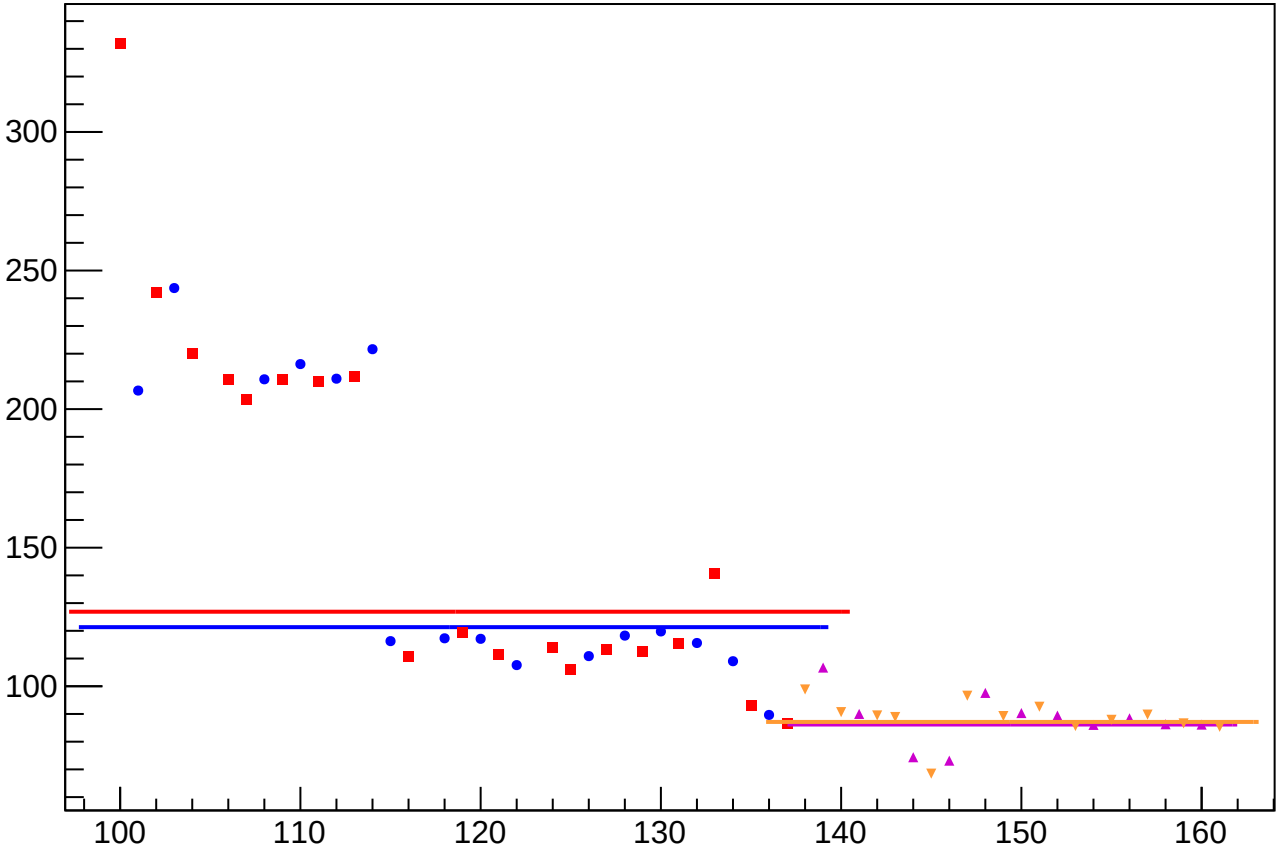
Left In: -73.804+/-28.192 χ^2/NDF:7.5/10

+ sign 39.420+/-23.690 χ^2/NDF: 53.5/28

All: -14.637+/-17.023 χ^2/NDF: 87.8/58

- sign -72.346+/-24.477 χ^2/NDF: 23.5/29

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.126+/-0.019 χ^2/NDF:166539.7/12

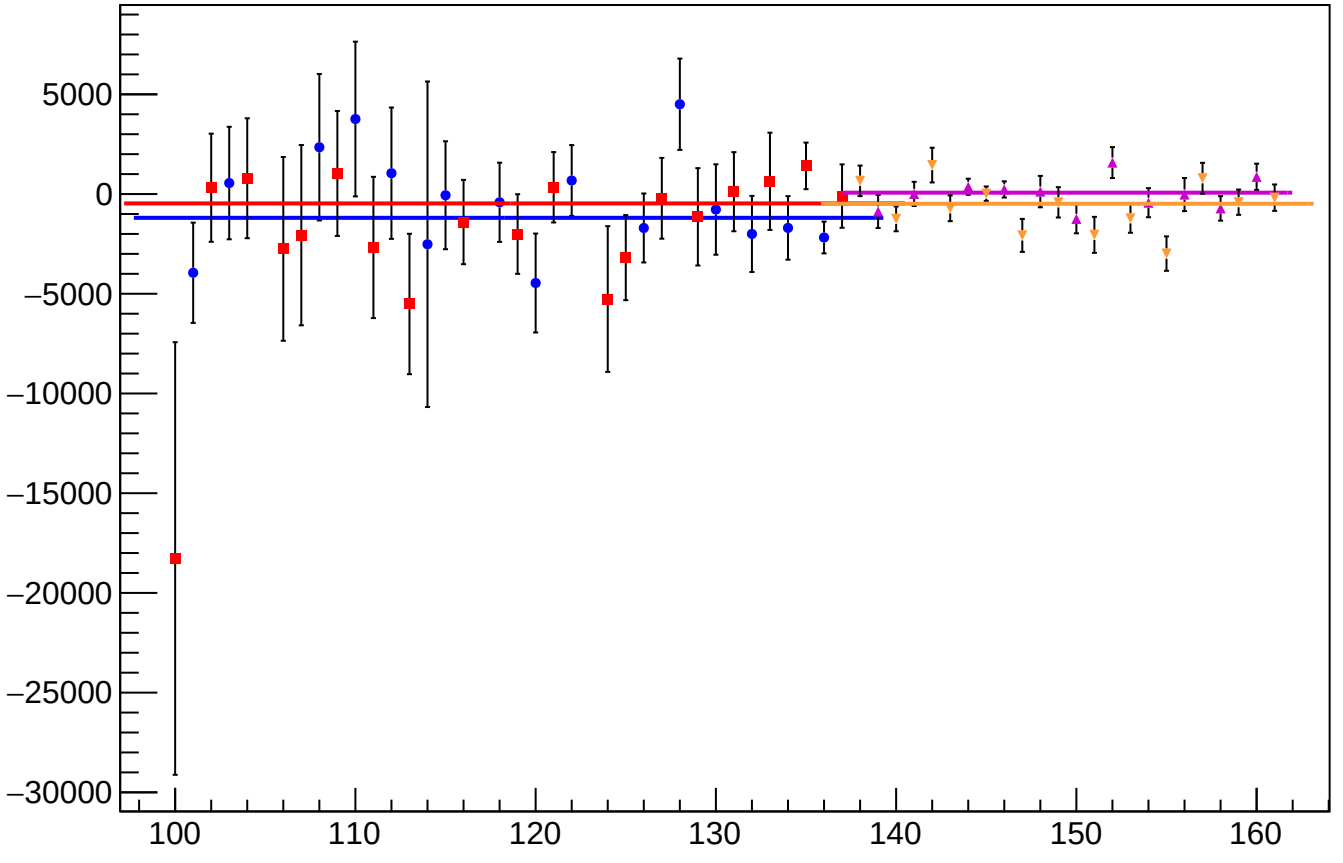
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.190+/-0.020 χ^2/NDF:194032.3/10

\+ sign 95.586+/-0.017 χ^2/NDF: 2229224.8/28

All: 95.889+/-0.012 χ^2/NDF: 4915868.3/58

\- sign 96.212+/-0.017 χ^2/NDF: 2685968.5/29



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -485.707+/-183.331 χ^2/NDF:29.8/12

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

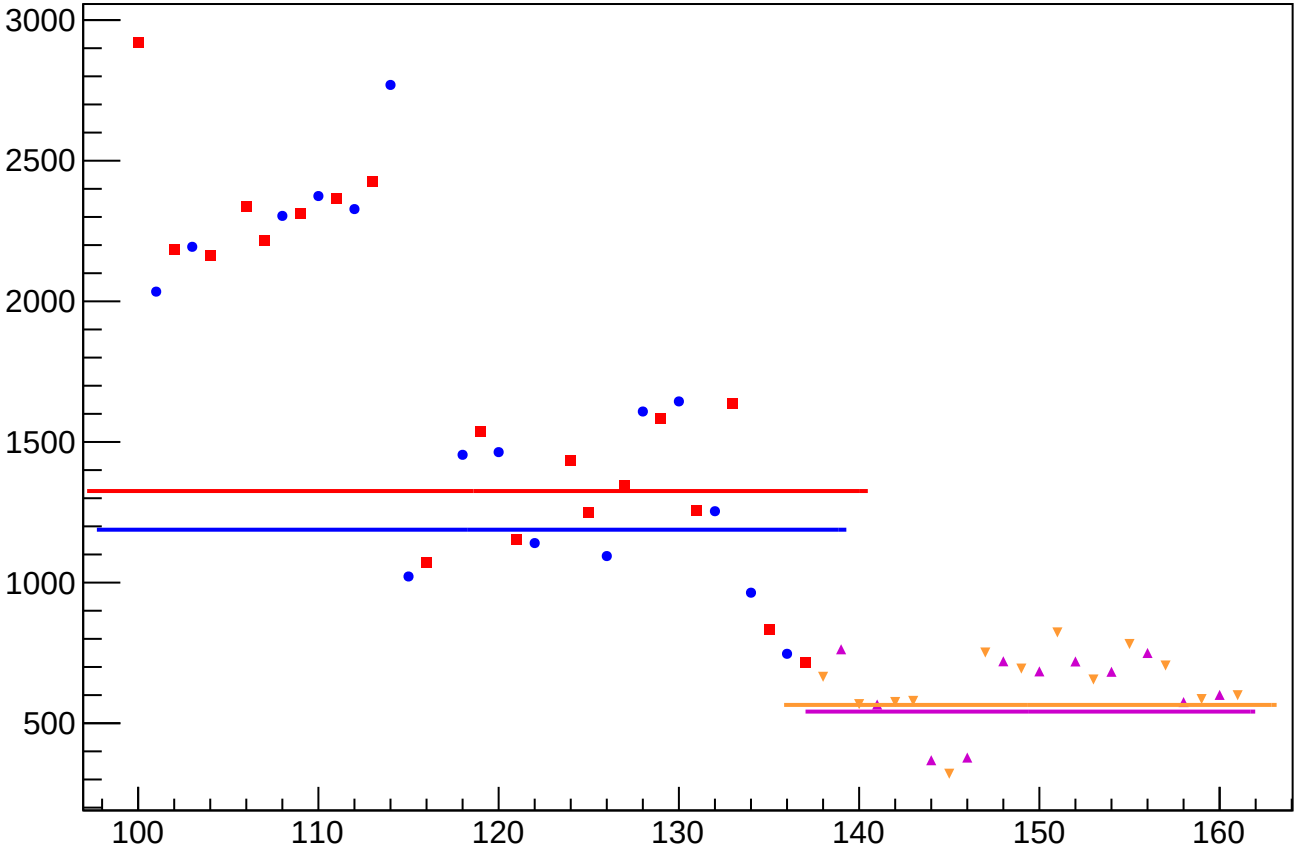
Left In: 68.888+/-183.243 χ^2/NDF:12.7/10

+ sign -575.999+/-171.215 χ^2/NDF: 47.6/28

All: -285.962+/-121.661 χ^2/NDF: 80.4/58

- sign 9.837+/-172.907 χ^2/NDF: 27.0/29

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 565.125+/-0.130 χ^2/NDF:1500349.7/12

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

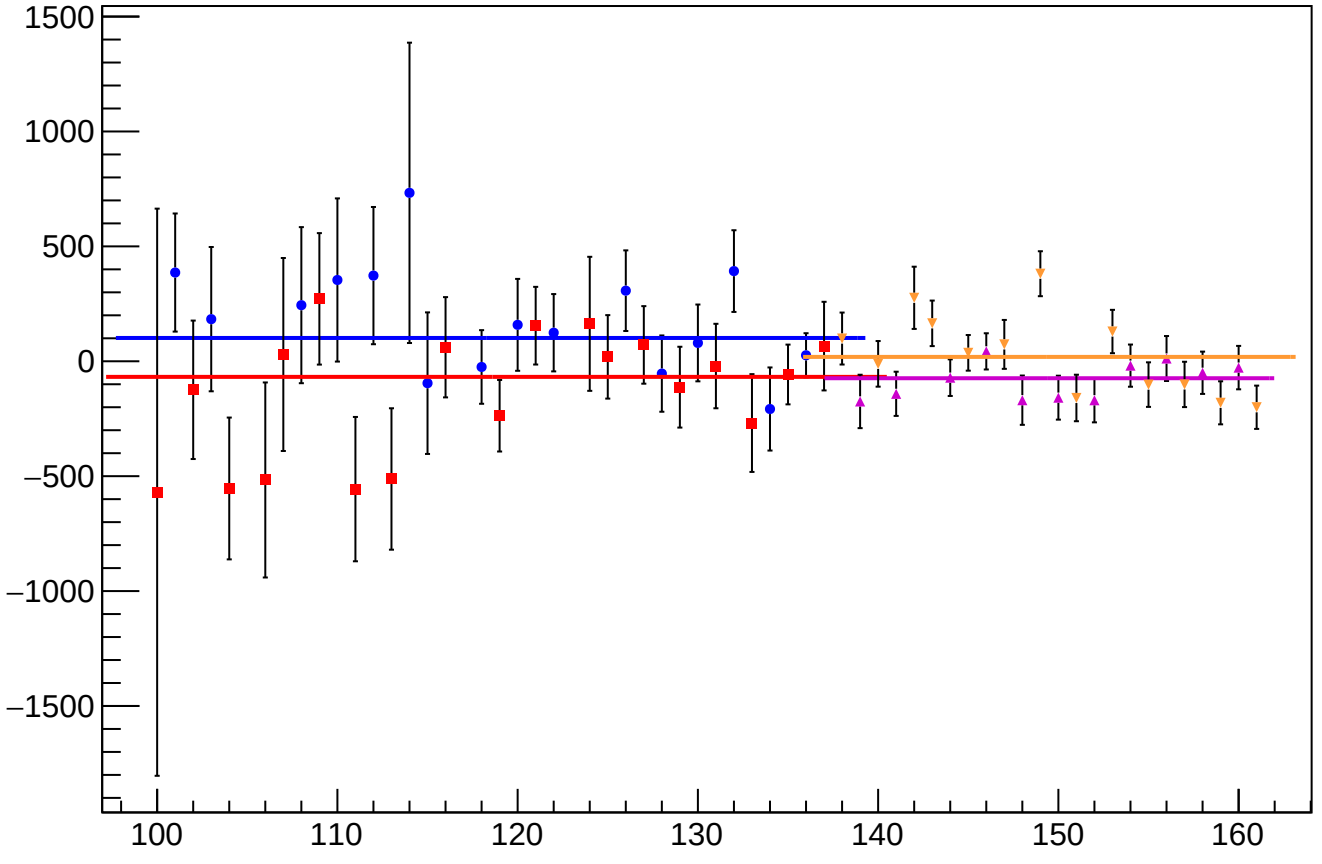
Left In: 541.387+/-0.130 χ^2/NDF:1343635.1/10

+ sign 644.745+/-0.121 χ^2/NDF: 6496446.3/28

All: 636.138+/-0.086 χ^2/NDF: 13786857.8/58

- sign 627.359+/-0.122 χ^2/NDF: 7280201.2/29

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 19.033+/-27.307 χ^2/NDF:37.9/12

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

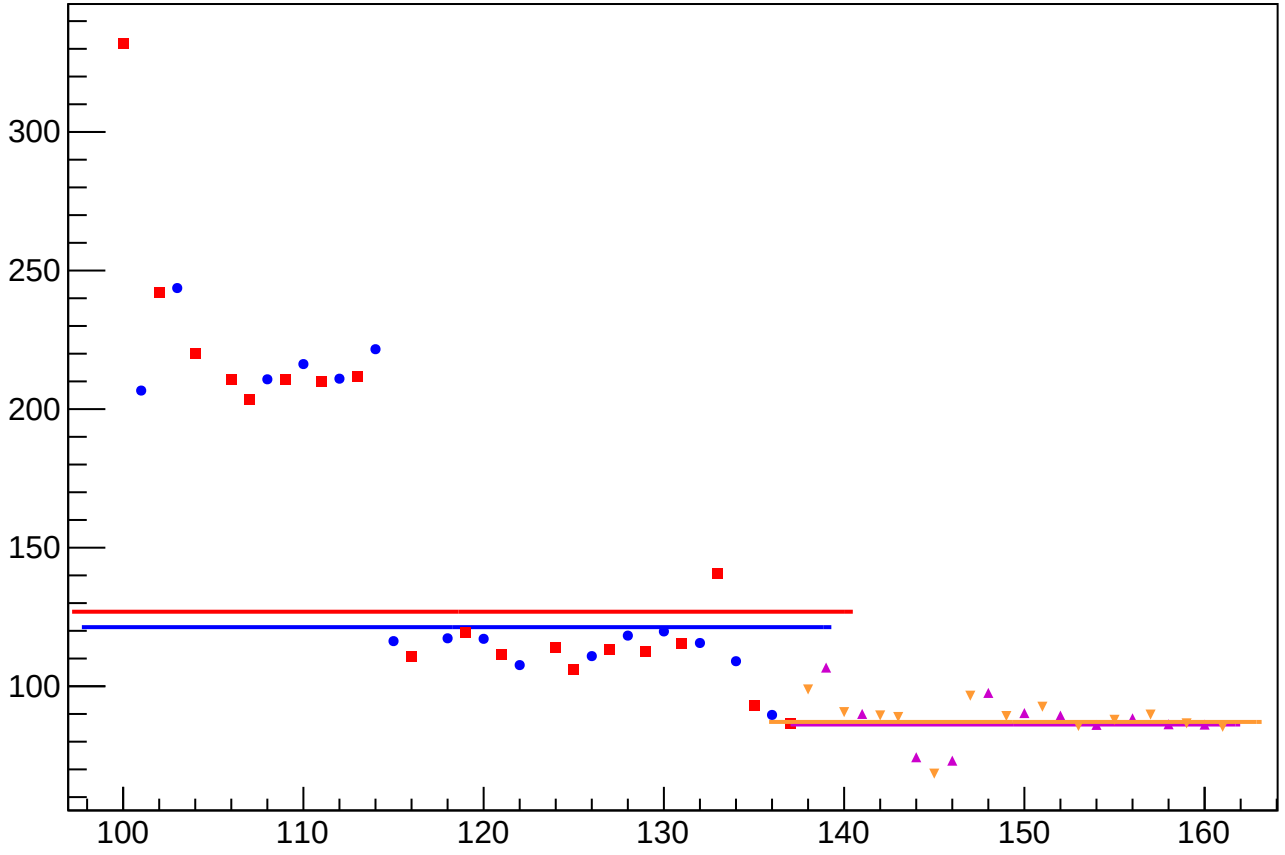
Left In: -73.804+/-28.192 χ^2/NDF:7.5/10

+ sign 39.420+/-23.690 χ^2/NDF: 53.5/28

All: -14.637+/-17.023 χ^2/NDF: 87.8/58

- sign -72.346+/-24.477 χ^2/NDF: 23.5/29

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.126+/-0.019 χ^2/NDF:166539.7/12

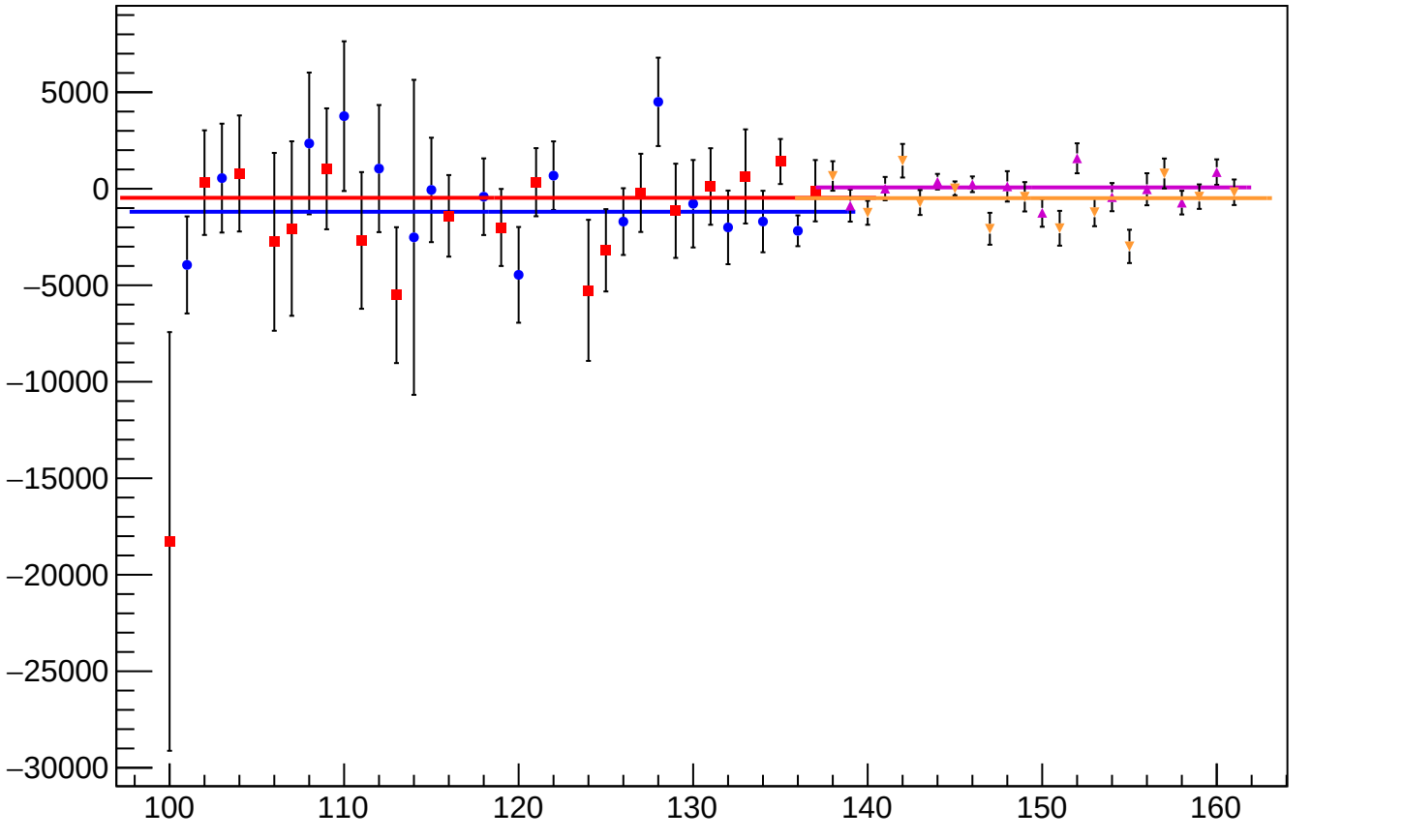
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.190+/-0.020 χ^2/NDF:194032.3/10

\+ sign 95.586+/-0.017 χ^2/NDF: 2229224.8/28

All: 95.889+/-0.012 χ^2/NDF: 4915868.3/58

\- sign 96.212+/-0.017 χ^2/NDF: 2685968.5/29



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -485.707+/-183.331 χ^2/NDF:29.8/12

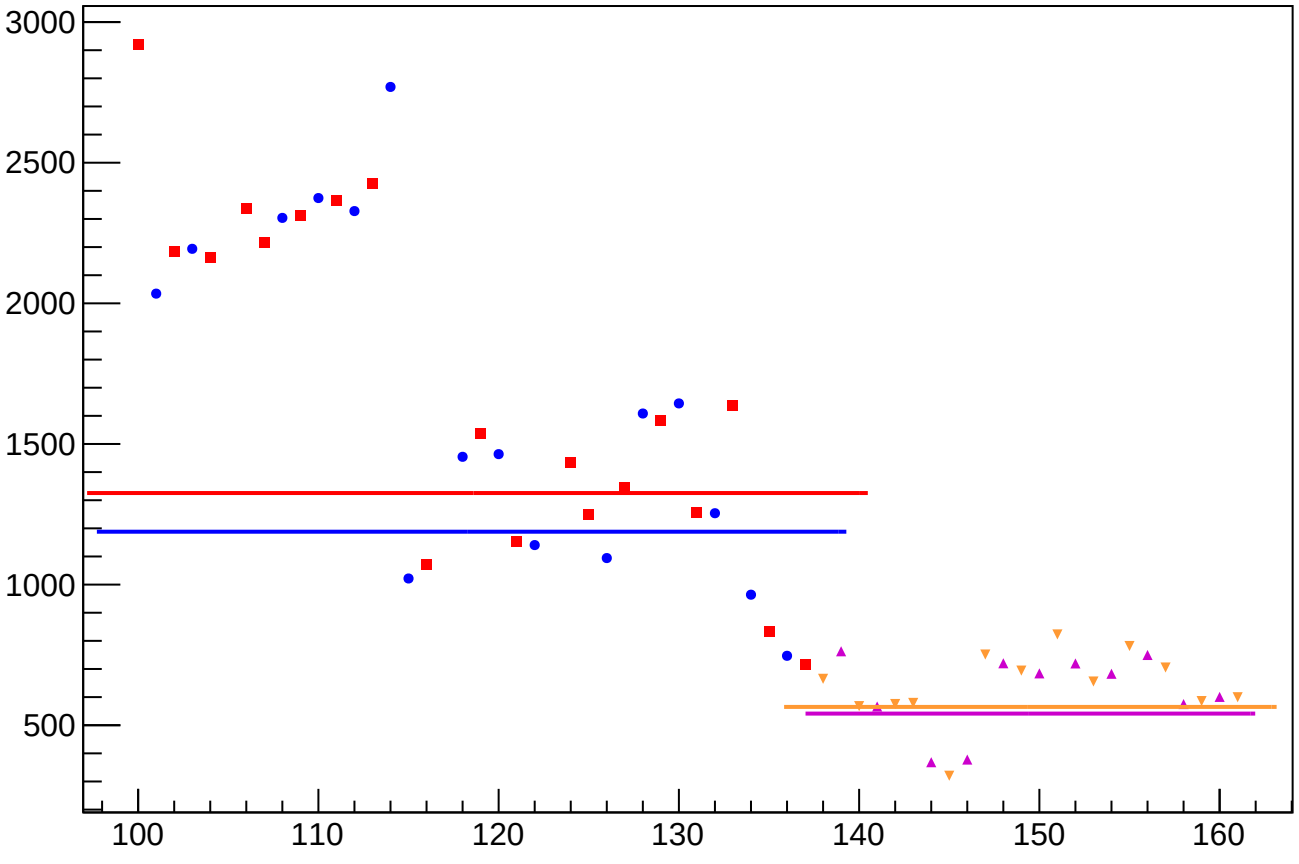
Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 68.888+/-183.243 χ^2/NDF:12.7/10

+ sign -575.999+/-171.215 χ^2/NDF: 47.6/28

All: -285.962+/-121.661 χ^2/NDF: 80.4/58

- sign 9.837+/-172.907 χ^2/NDF: 27.0/29



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 565.125+/-0.130 χ^2/NDF:1500349.7/12

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

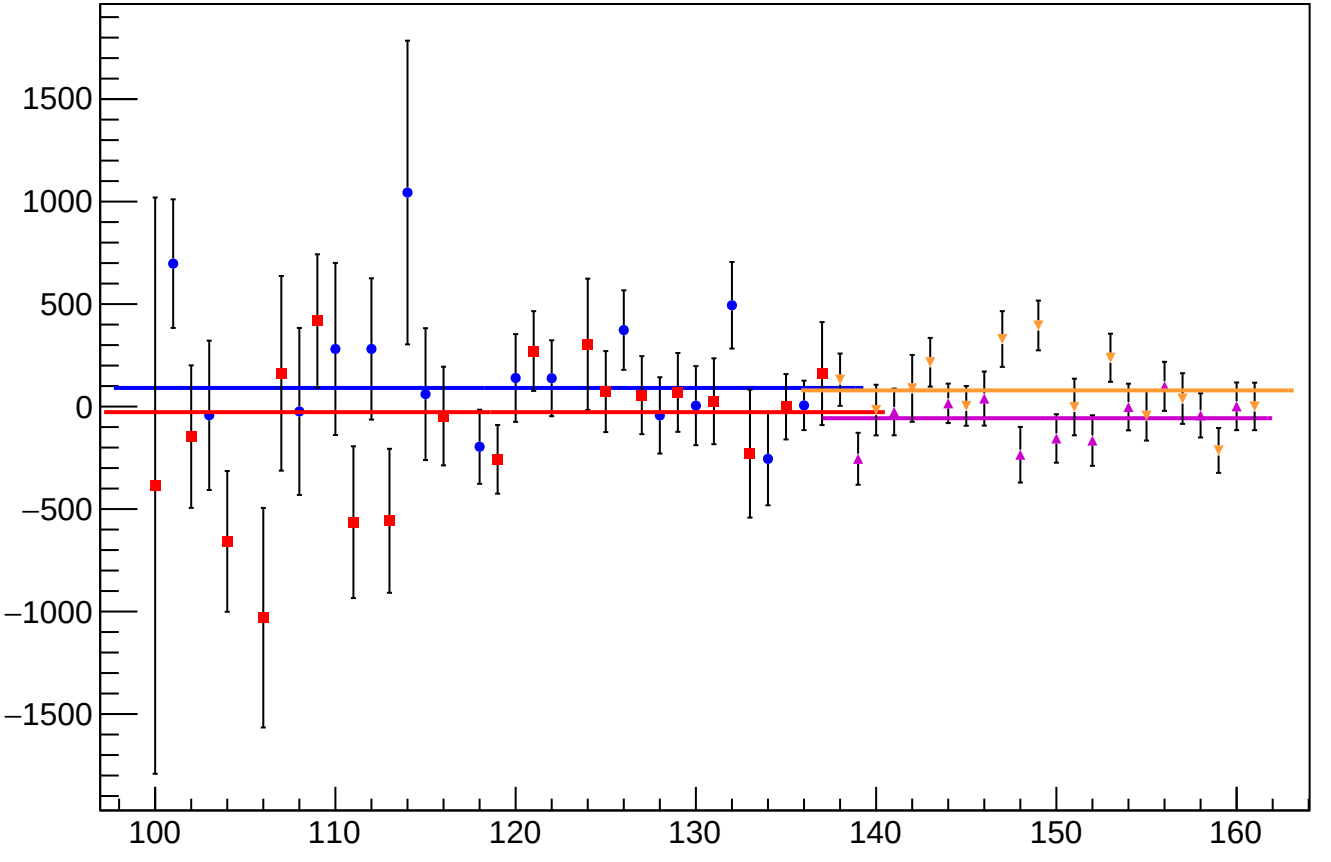
Left In: 541.387+/-0.130 χ^2/NDF:1343635.1/10

+ sign 644.745+/-0.121 χ^2/NDF: 6496446.3/28

All: 636.138+/-0.086 χ^2/NDF: 13786857.8/58

- sign 627.359+/-0.122 χ^2/NDF: 7280201.2/29

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 78.977+/-33.705 χ^2/NDF:23.9/12

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

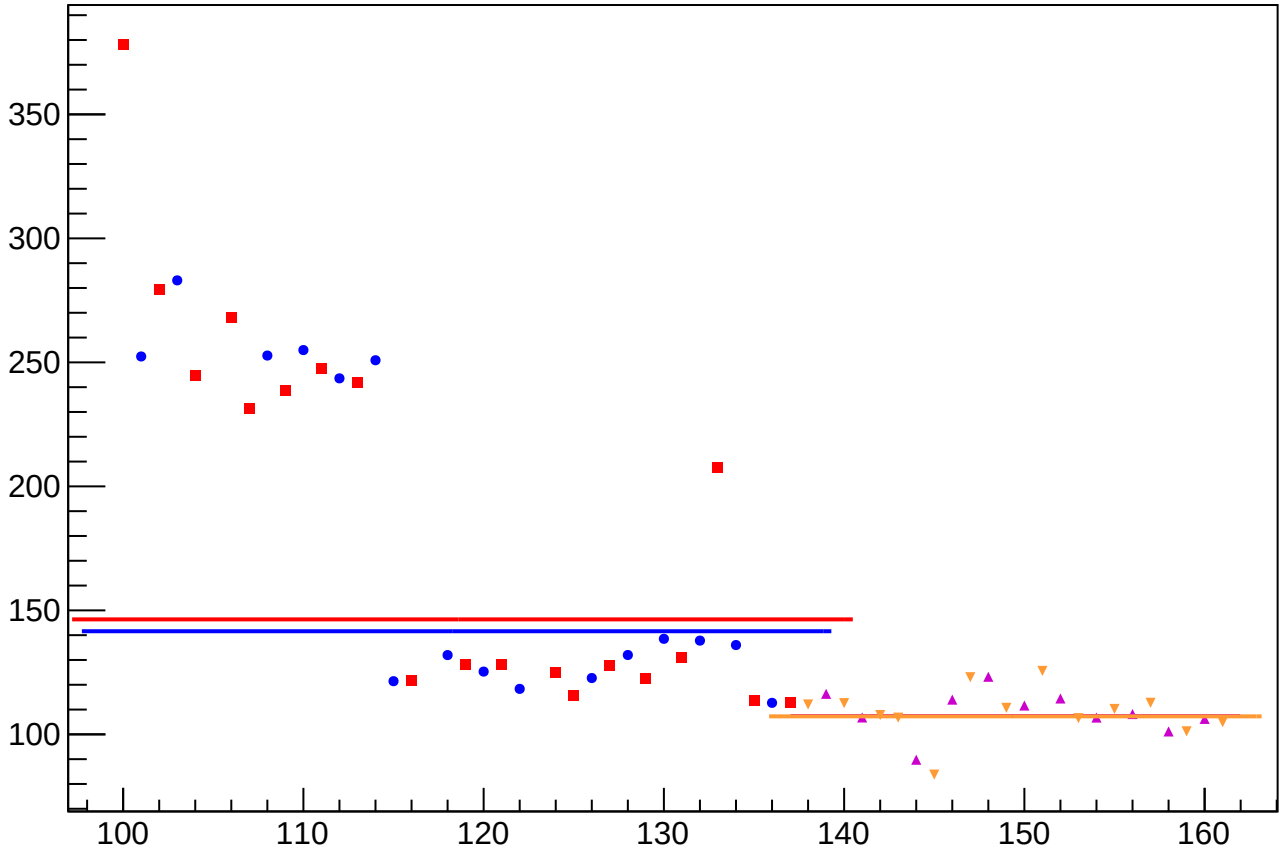
Left In: -56.782+/-35.277 χ^2/NDF:9.0/10

+ sign 82.186+/-28.817 χ^2/NDF: 42.0/28

All: 19.426+/-20.782 χ^2/NDF: 81.6/58

- sign -48.585+/-29.999 χ^2/NDF: 29.7/29

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 107.265+/-0.024 χ^2/NDF:199892.1/12

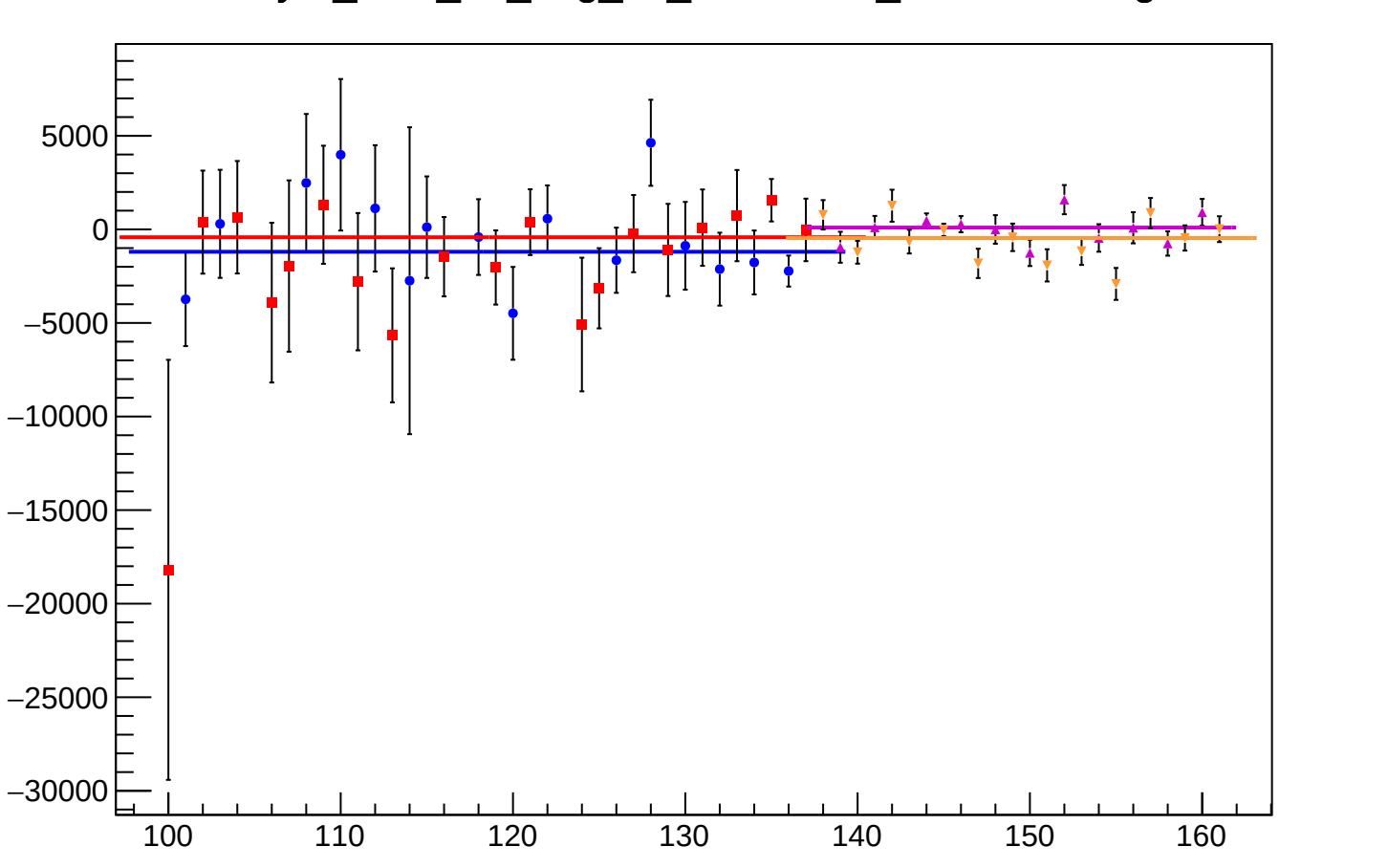
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 107.408+/-0.025 χ^2/NDF:125598.9/10

+ sign 116.496+/-0.020 χ^2/NDF: 2020084.0/28

All: 117.311+/-0.015 χ^2/NDF: 4338031.2/58

- sign 118.194+/-0.021 χ^2/NDF: 2314618.2/29



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -462.032+/-179.421 χ^2/NDF:28.2/12

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

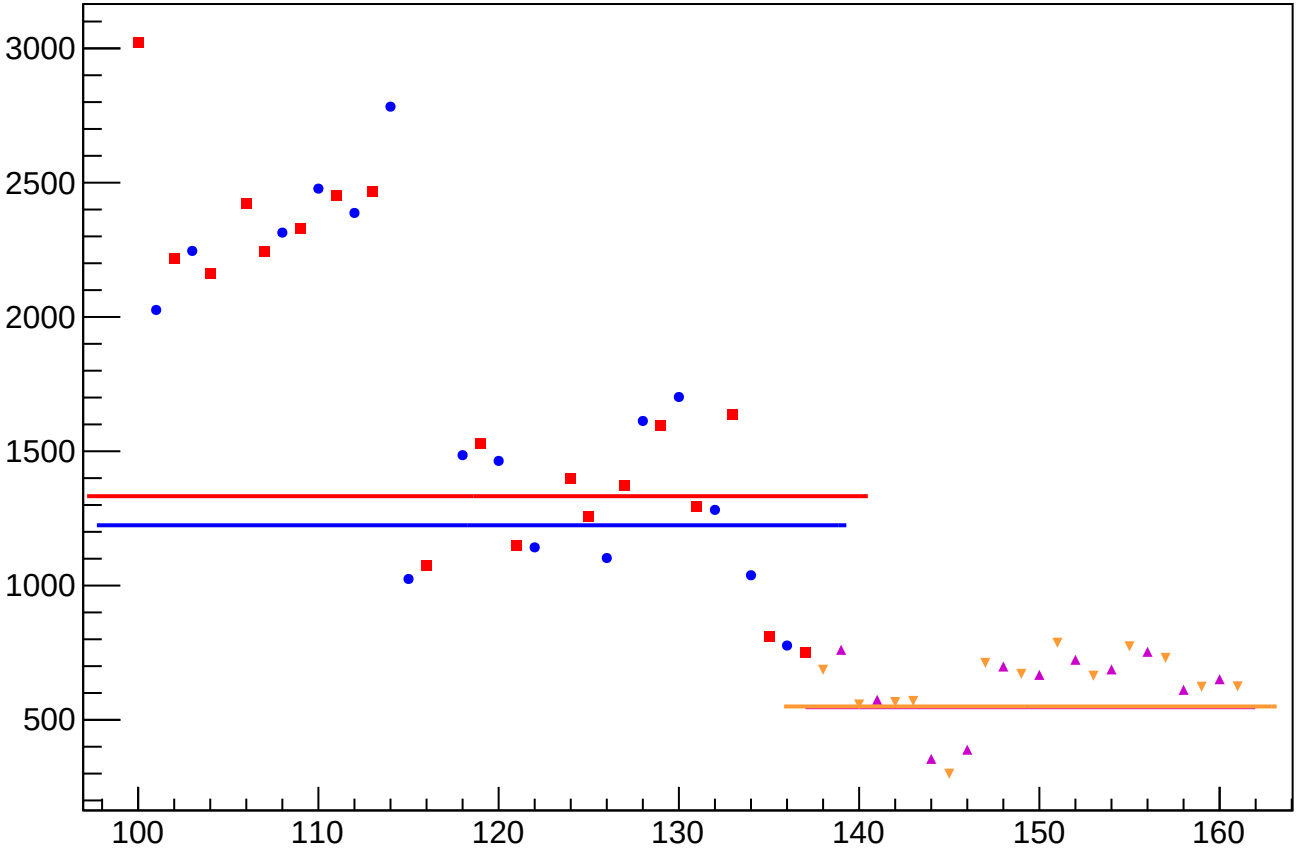
Left In: 95.852+/-185.942 χ^2/NDF:13.6/10

\+ sign -548.453+/-168.537 χ^2/NDF: 46.1/28

All: -266.695+/-121.471 χ^2/NDF: 80.7/58

\- sign 37.886+/-175.230 χ^2/NDF: 28.7/29

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 549.847+/-0.127 χ^2/NDF:1815151.6/12

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

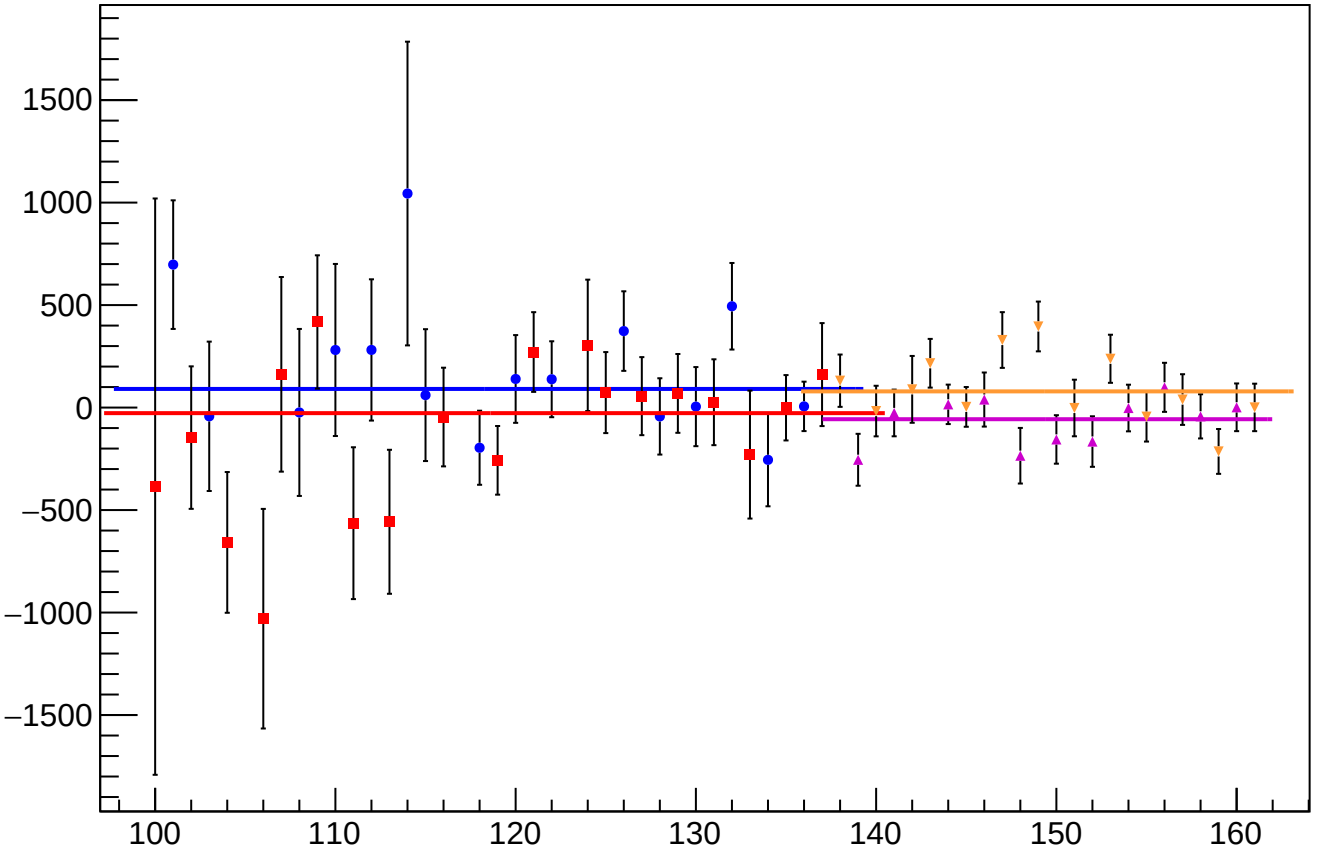
Left In: 547.129+/-0.131 χ^2/NDF:1383623.6/10

\+ sign 629.209+/-0.119 χ^2/NDF: 7100781.2/28

All: 632.013+/-0.086 χ^2/NDF: 14475848.7/58

\- sign 635.044+/-0.124 χ^2/NDF: 7373915.3/29

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 78.977+/-33.705 χ^2/NDF:23.9/12

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

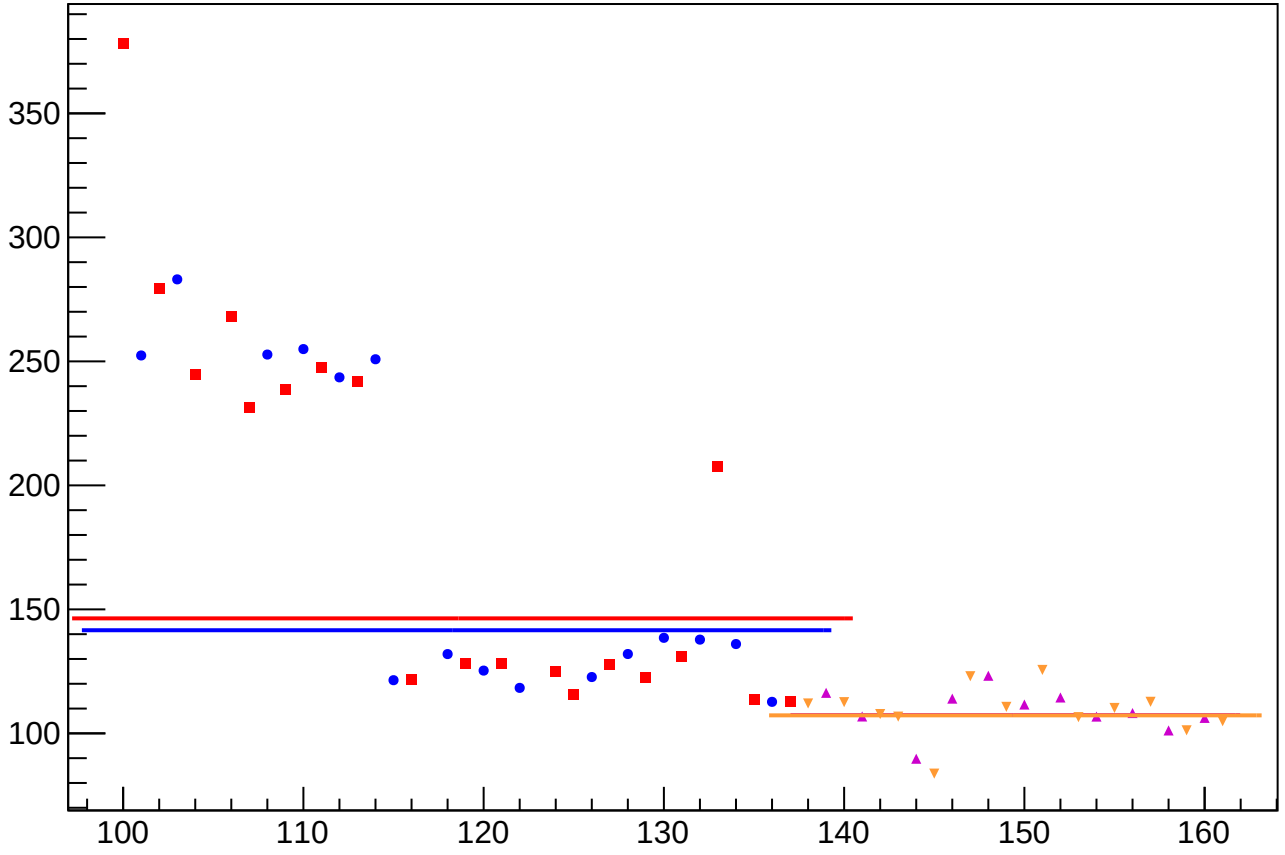
Left In: -56.780+/-35.277 χ^2/NDF:9.0/10

+ sign 82.187+/-28.817 χ^2/NDF: 42.0/28

All: 19.427+/-20.782 χ^2/NDF: 81.6/58

- sign -48.583+/-29.999 χ^2/NDF: 29.7/29

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 107.265+/-0.024 χ^2/NDF:199885.0/12

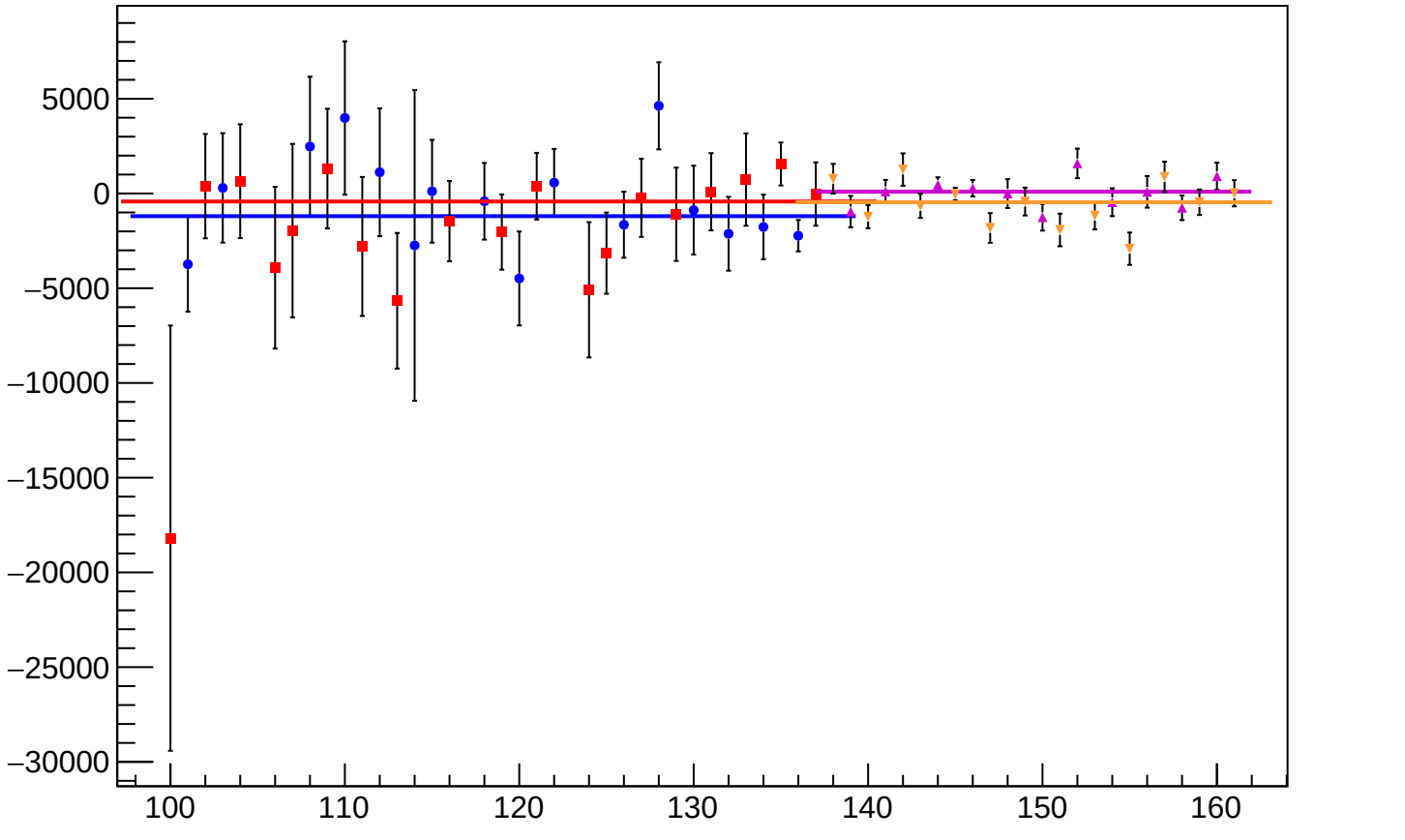
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 107.408+/-0.025 χ^2/NDF:125597.6/10

+ sign 116.497+/-0.020 χ^2/NDF: 2020030.2/28

All: 117.311+/-0.015 χ^2/NDF: 4337940.3/58

- sign 118.194+/-0.021 χ^2/NDF: 2314581.0/29



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -462.030+/-179.420 χ^2/NDF:28.2/12

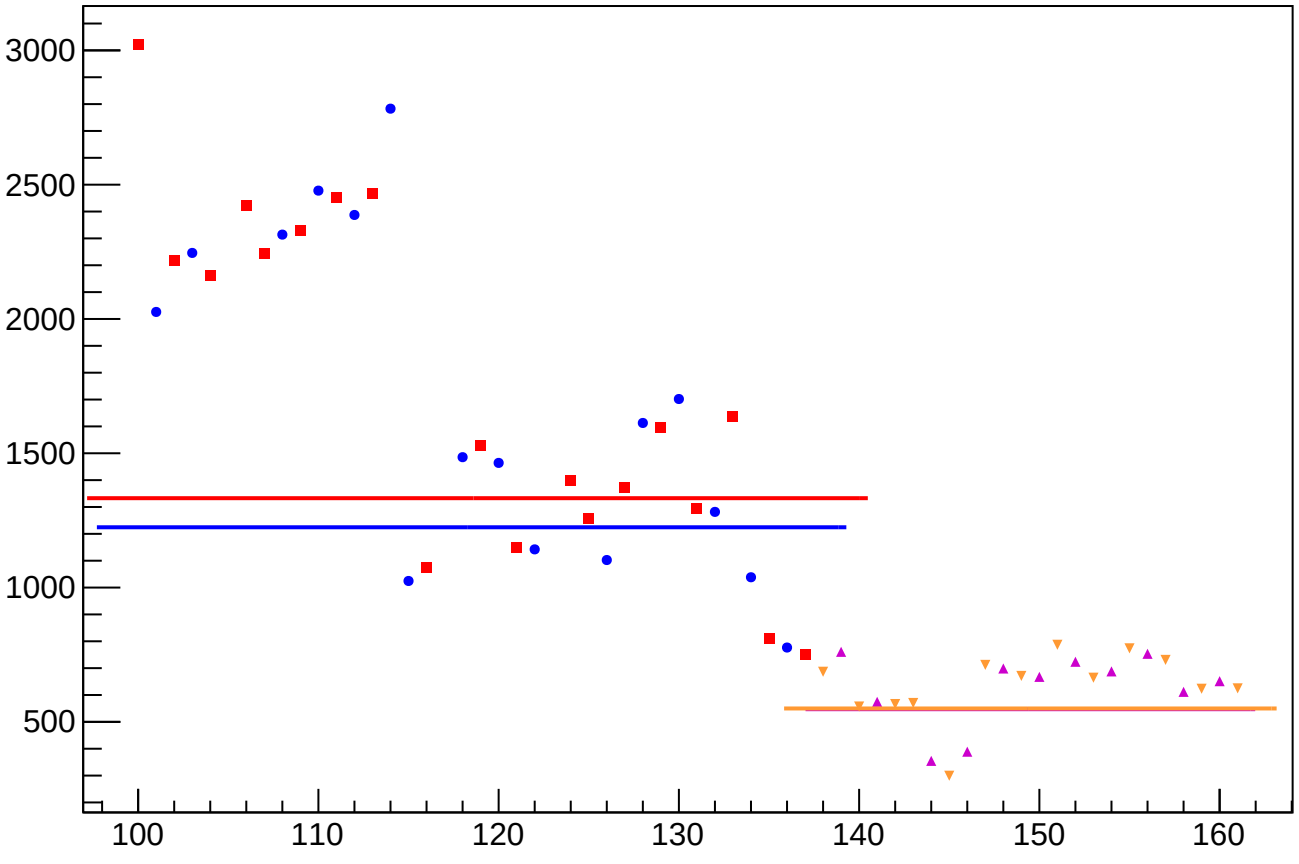
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 95.852+/-185.942 χ^2/NDF:13.6/10

+ sign -548.451+/-168.537 χ^2/NDF: 46.1/28

All: -266.694+/-121.471 χ^2/NDF: 80.7/58

- sign 37.886+/-175.230 χ^2/NDF: 28.7/29



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 549.845+/-0.127 χ^2/NDF:1815198.6/12

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

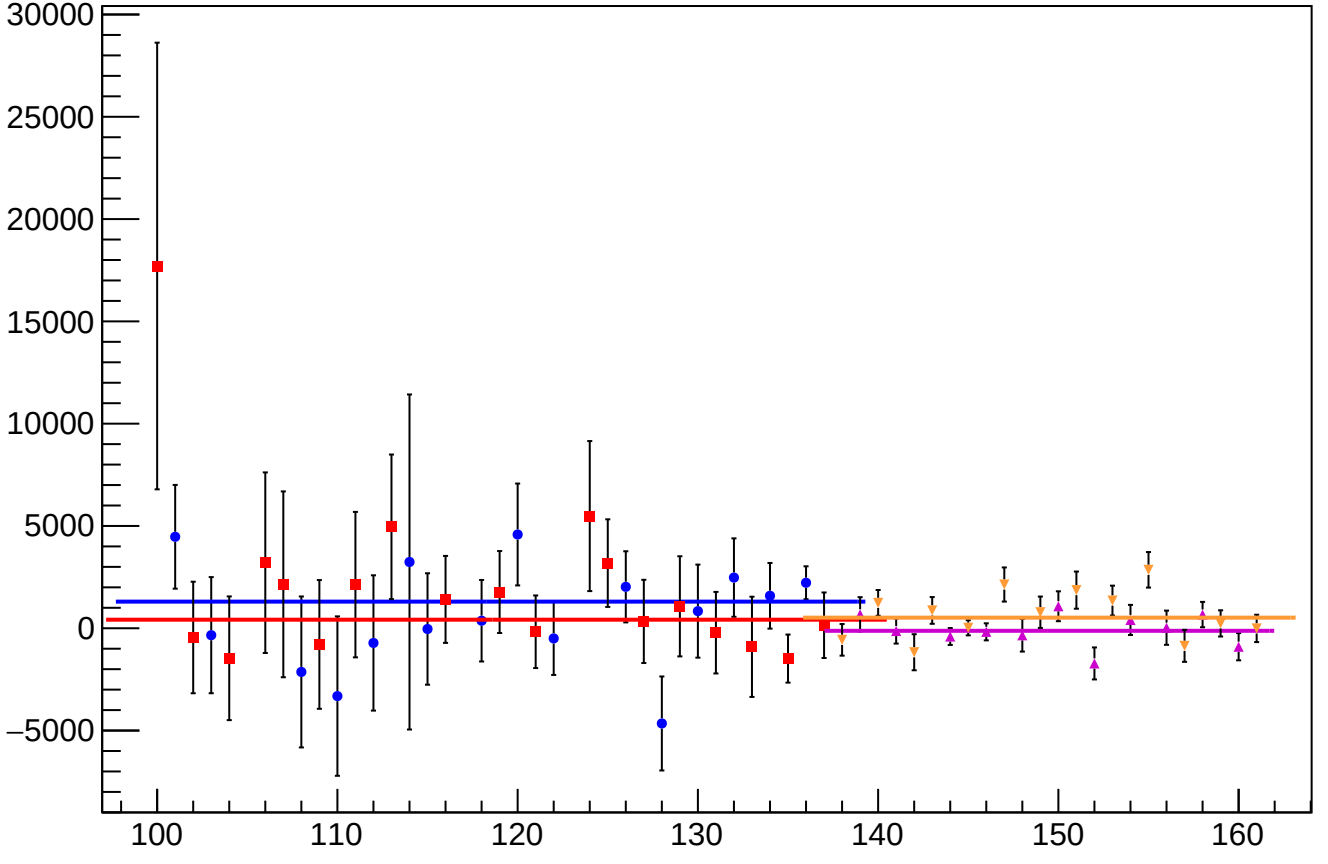
Left In: 547.128+/-0.131 χ^2/NDF:1383641.3/10

+ sign 629.206+/-0.119 χ^2/NDF: 7100831.3/28

All: 632.011+/-0.086 χ^2/NDF: 14475913.2/58

- sign 635.043+/-0.124 χ^2/NDF: 7373929.2/29

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 518.462+/-185.826 χ^2/NDF:27.6/12

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

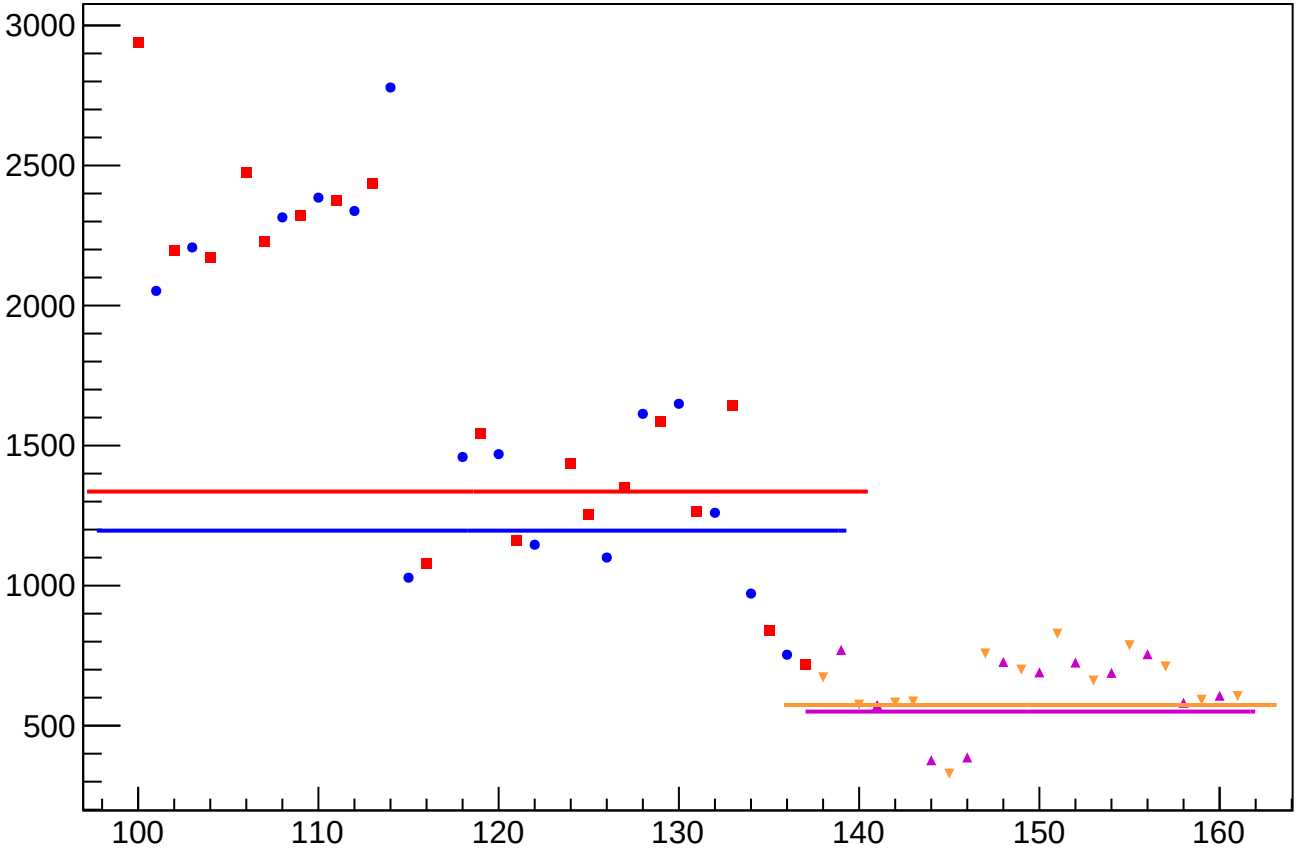
Left In: -124.973+/-185.925 χ^2/NDF:11.9/10

+ sign 619.819+/-173.385 χ^2/NDF: 46.4/28

All: 281.386+/-123.253 χ^2/NDF: 79.9/58

- sign -64.333+/-175.241 χ^2/NDF: 25.9/29

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 573.854+/-0.131 χ^2/NDF:1433930.9/12

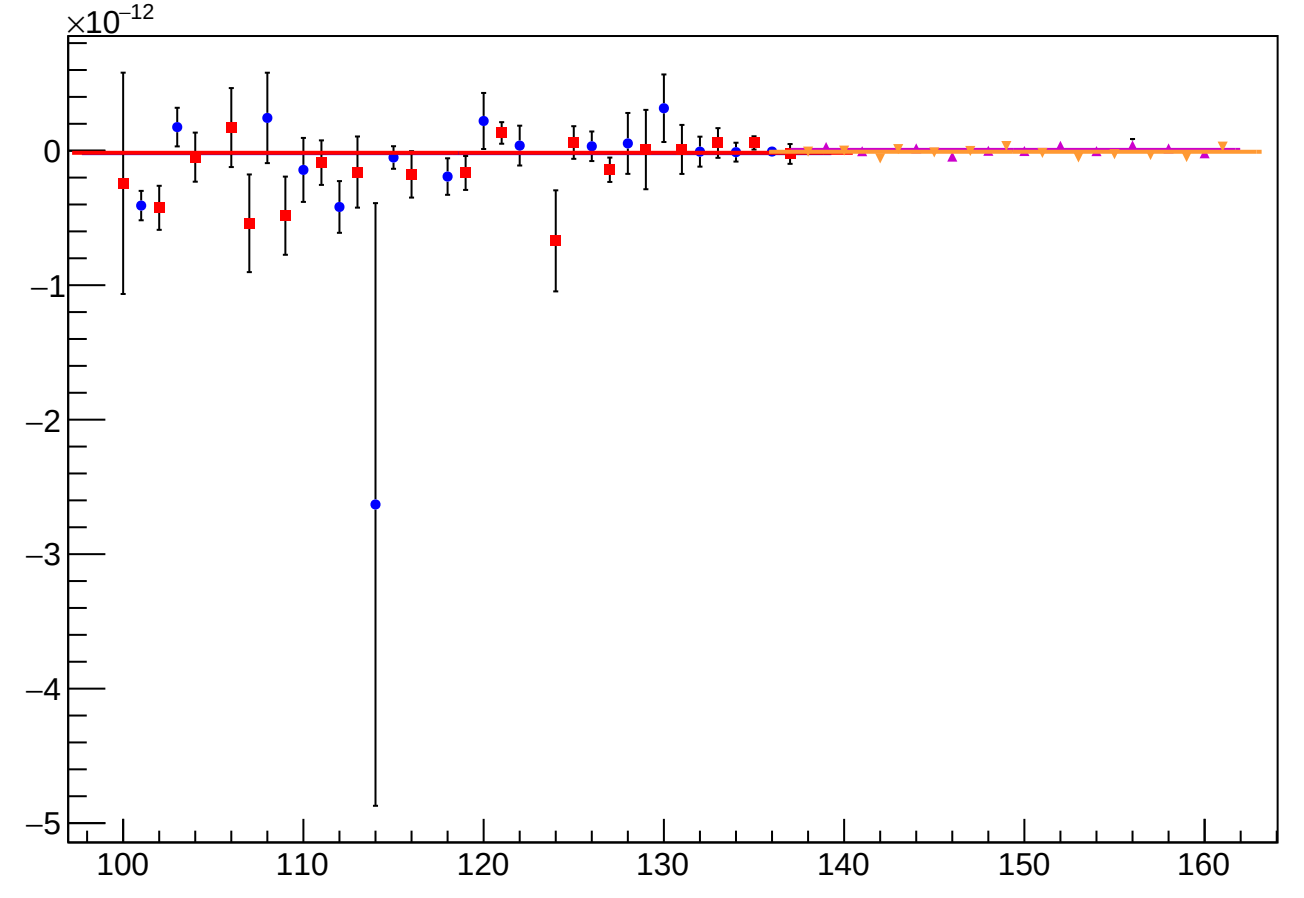
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 550.275+/-0.131 χ^2/NDF:1286811.6/10

+ sign 654.418+/-0.123 χ^2/NDF: 6370308.6/28

All: 646.276+/-0.087 χ^2/NDF: 13602623.0/58

- sign 637.959+/-0.124 χ^2/NDF: 7223399.3/29



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.8/12

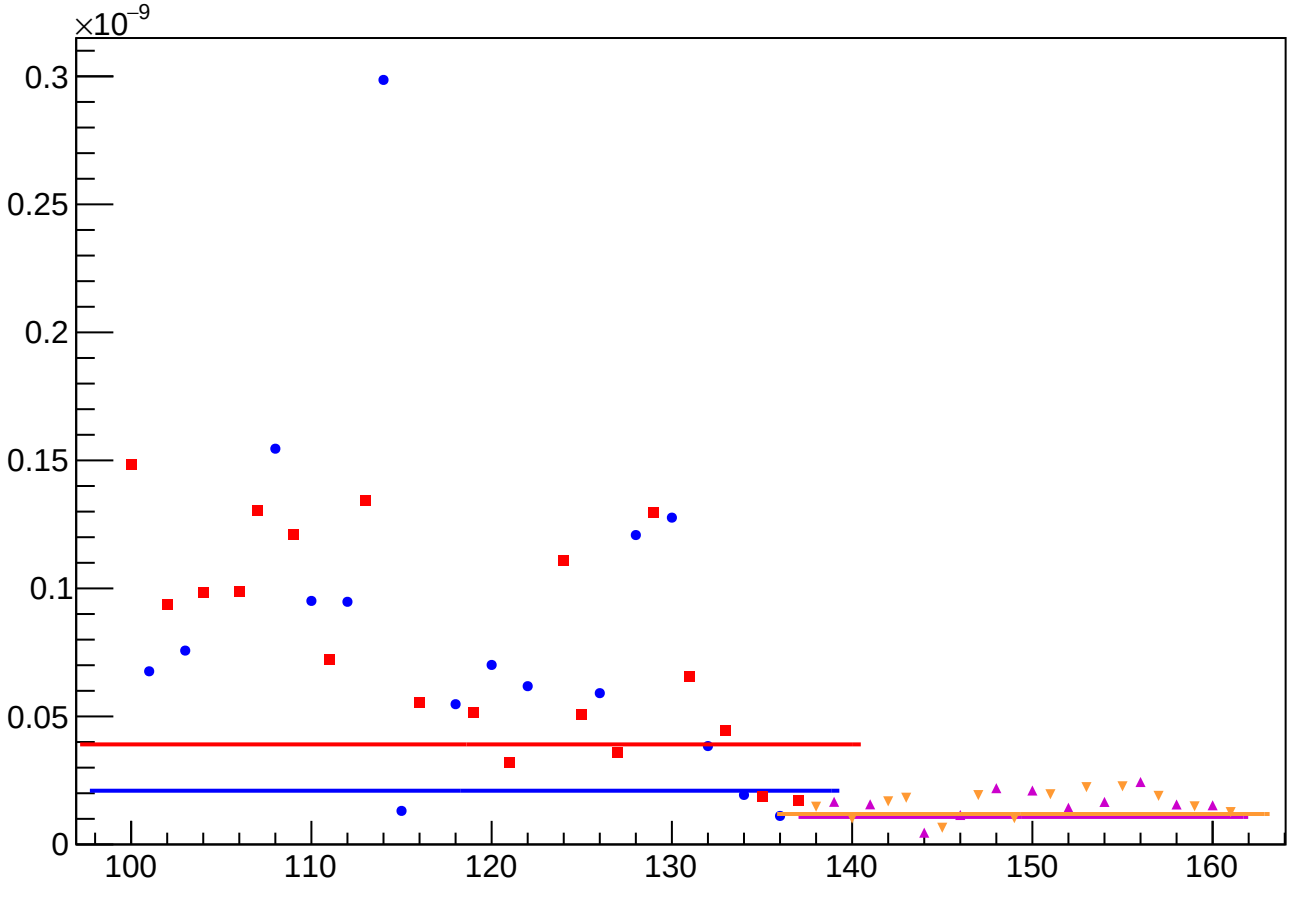
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/28

All: -0.000+/-0.000 χ^2/NDF: 82.2/58

- sign 0.000+/-0.000 χ^2/NDF: 38.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1339361.7/12

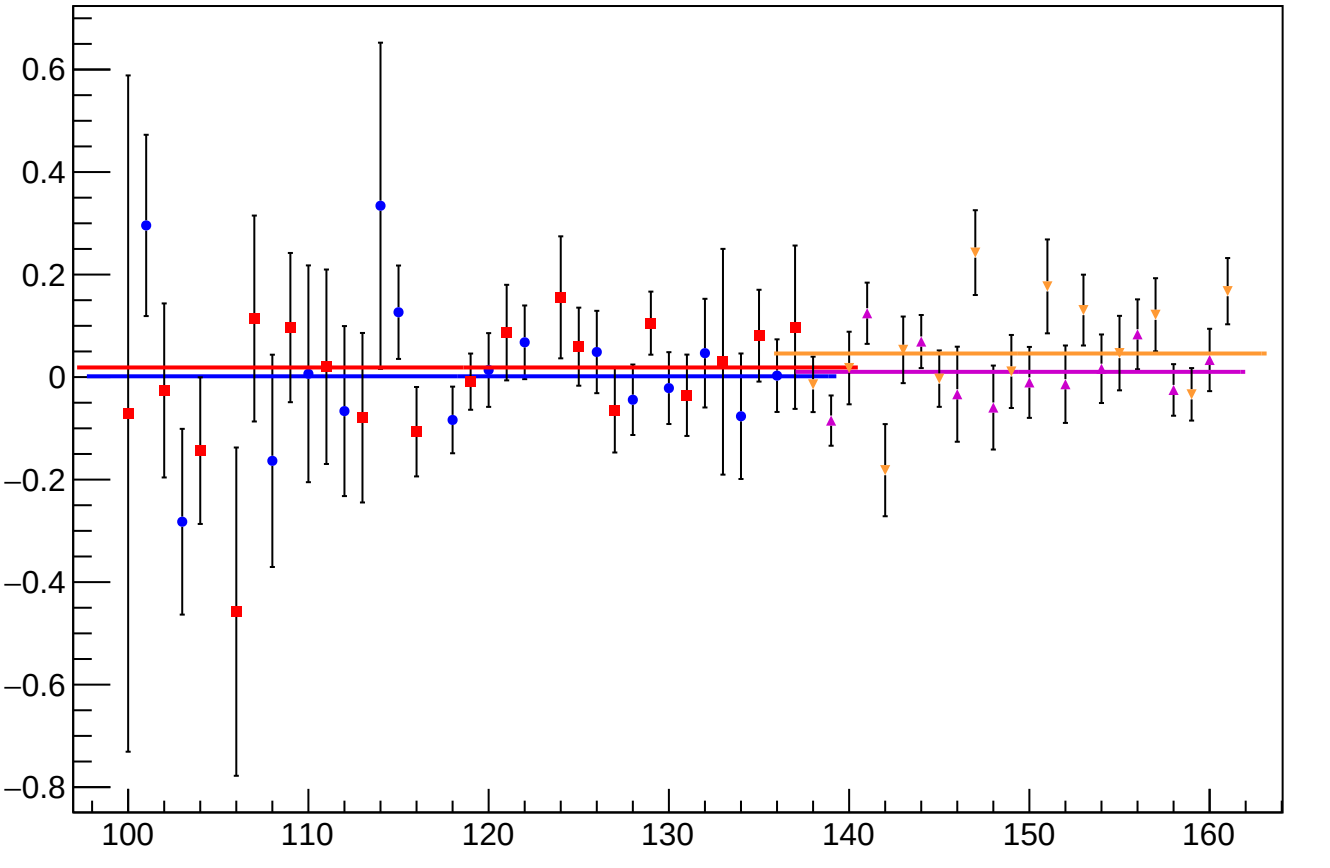
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1797656.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 5183646.8/28

All: 0.000+/-0.000 χ^2/NDF: 11070435.5/58

- sign 0.000+/-0.000 χ^2/NDF: 5873470.7/29



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.046+/-0.019 χ^2/NDF:25.2/12

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

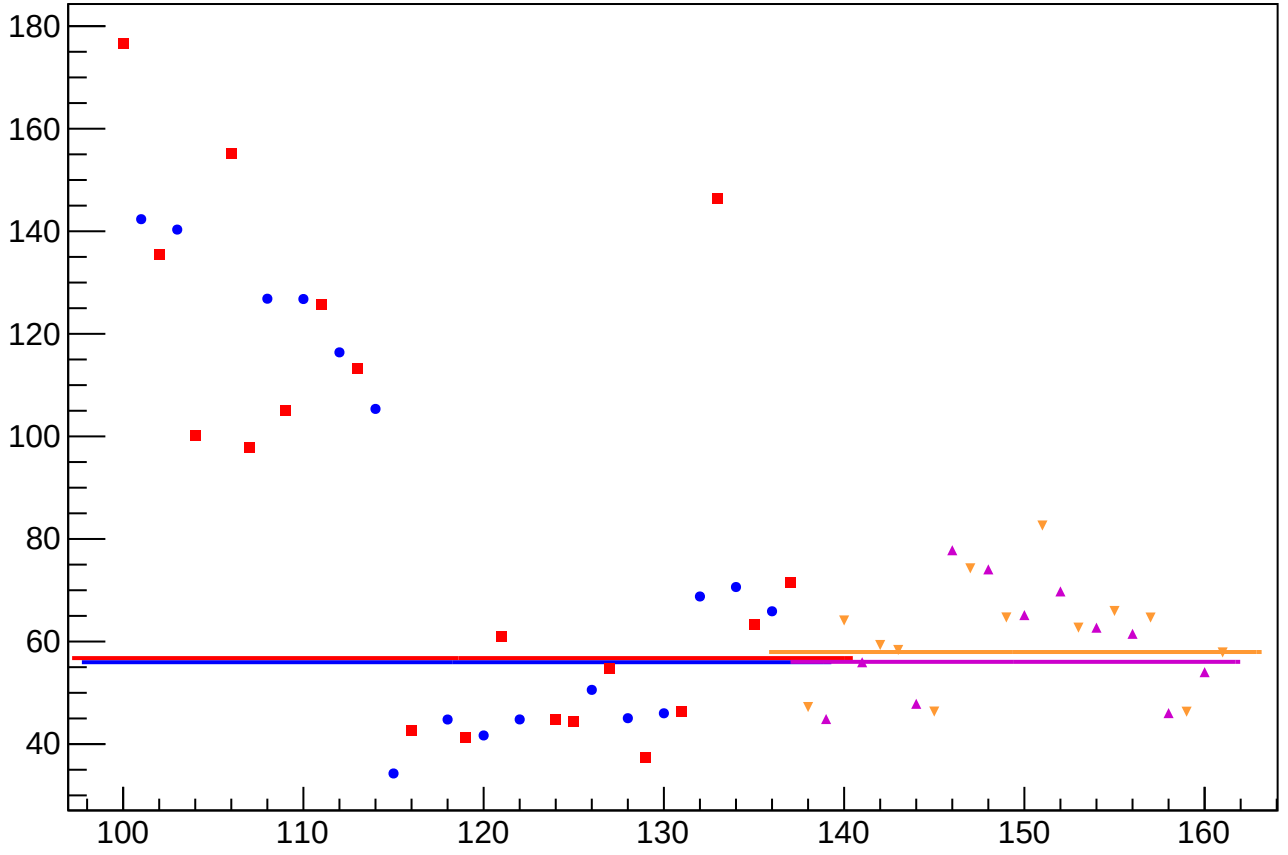
Left In: 0.010+/-0.019 χ^2/NDF:11.7/10

+ sign 0.029+/-0.015 χ^2/NDF: 40.5/28

All: 0.021+/-0.010 χ^2/NDF: 65.8/58

- sign 0.014+/-0.015 χ^2/NDF: 24.8/29

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: 57.959+/-0.013 χ^2/NDF:579042.1/12

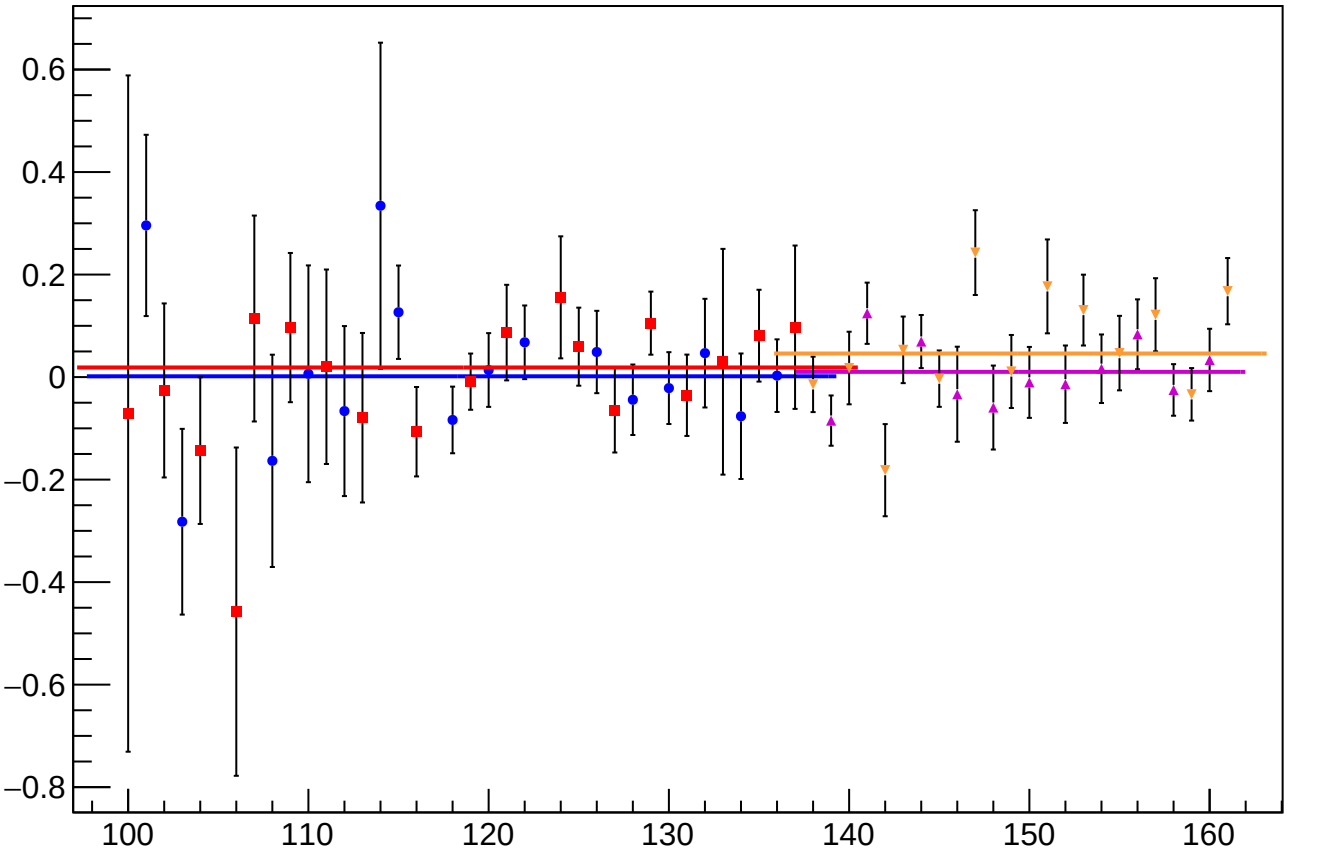
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.040+/-0.013 χ^2/NDF:575110.0/10

+ sign 57.192+/-0.010 χ^2/NDF: 2767755.7/28

All: 56.764+/-0.007 χ^2/NDF: 5900781.8/58

- sign 56.325+/-0.010 χ^2/NDF: 3129508.5/29



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.046+/-0.019 χ^2/NDF:25.2/12

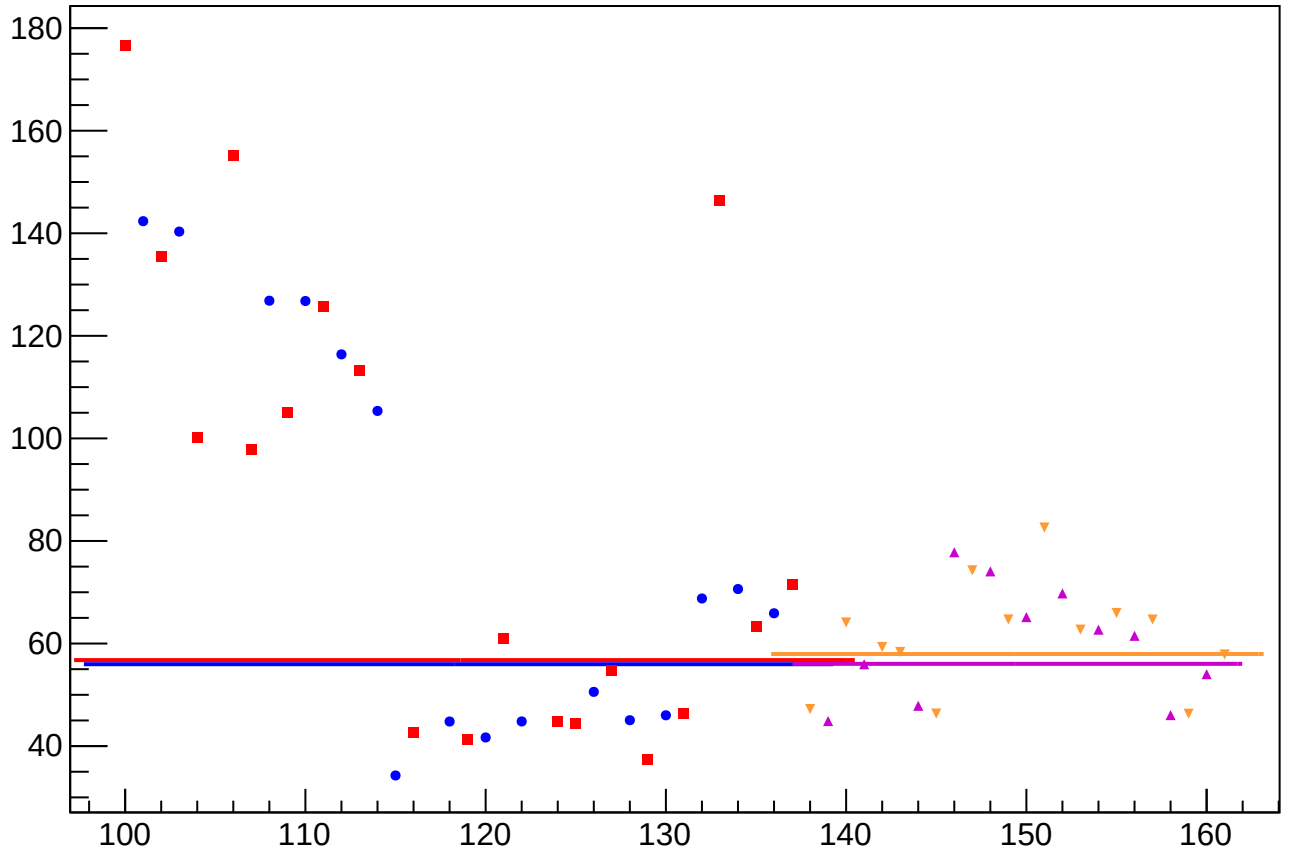
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.010+/-0.019 χ^2/NDF:11.7/10

+ sign 0.029+/-0.015 χ^2/NDF: 40.5/28

All: 0.021+/-0.010 χ^2/NDF: 65.8/58

- sign 0.014+/-0.015 χ^2/NDF: 24.8/29



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 57.959+/-0.013 χ^2/NDF:579042.1/12

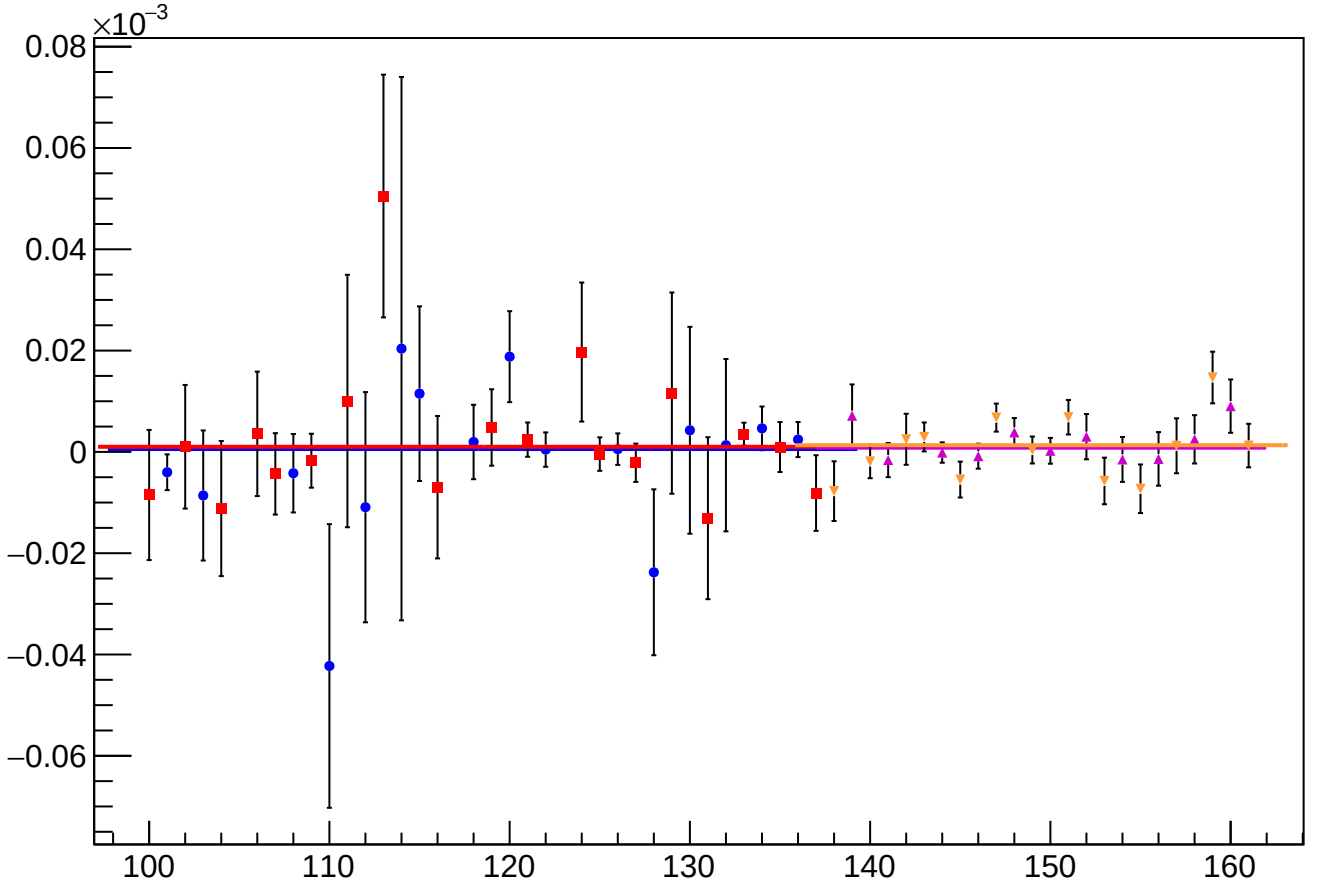
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.040+/-0.013 χ^2/NDF:575110.0/10

+ sign 57.192+/-0.010 χ^2/NDF: 2767755.7/28

All: 56.764+/-0.007 χ^2/NDF: 5900781.8/58

- sign 56.325+/-0.010 χ^2/NDF: 3129508.5/29



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.4/12

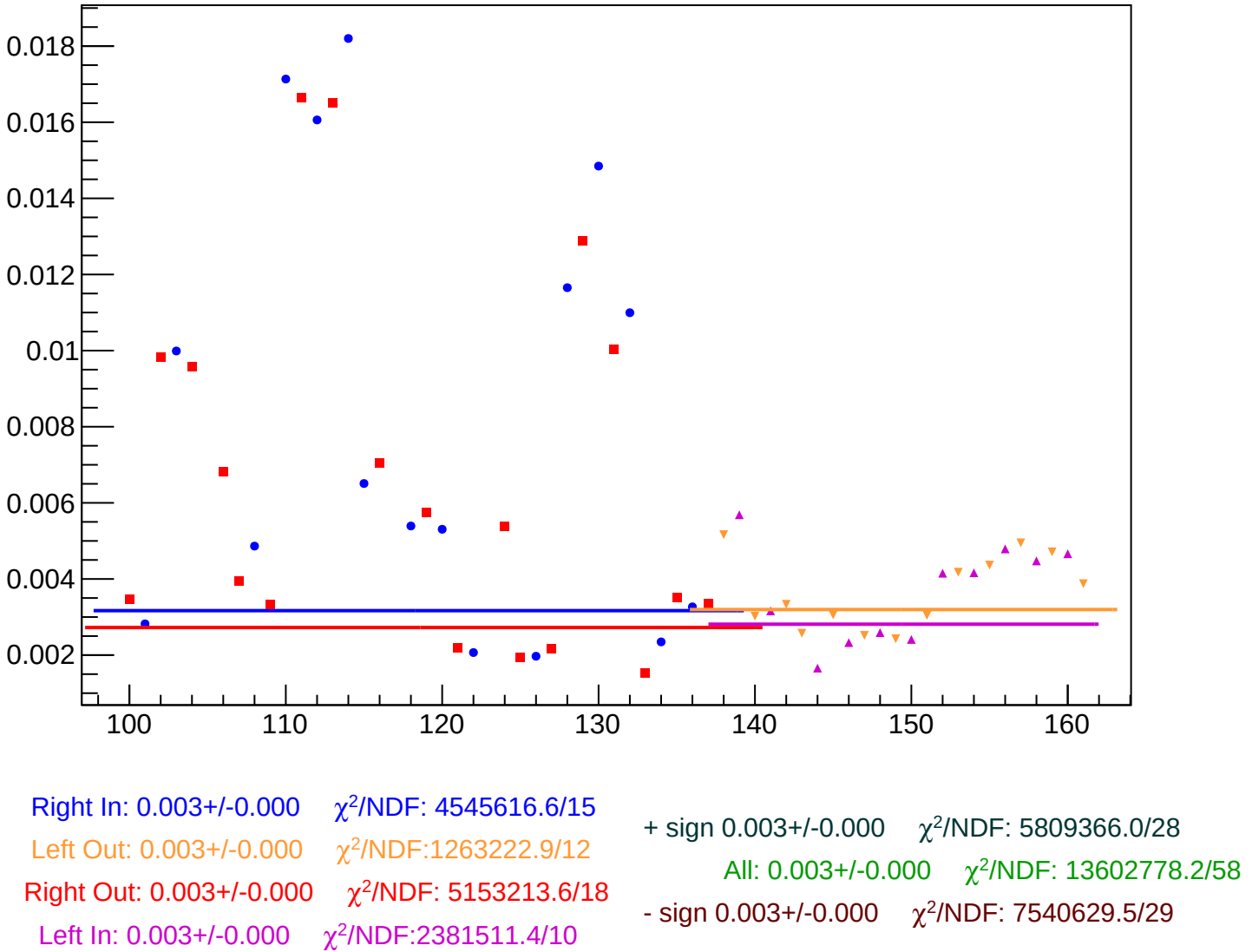
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/28

All: 0.000+/-0.000 χ^2/NDF: 60.4/58

- sign 0.000+/-0.000 χ^2/NDF: 20.5/29


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
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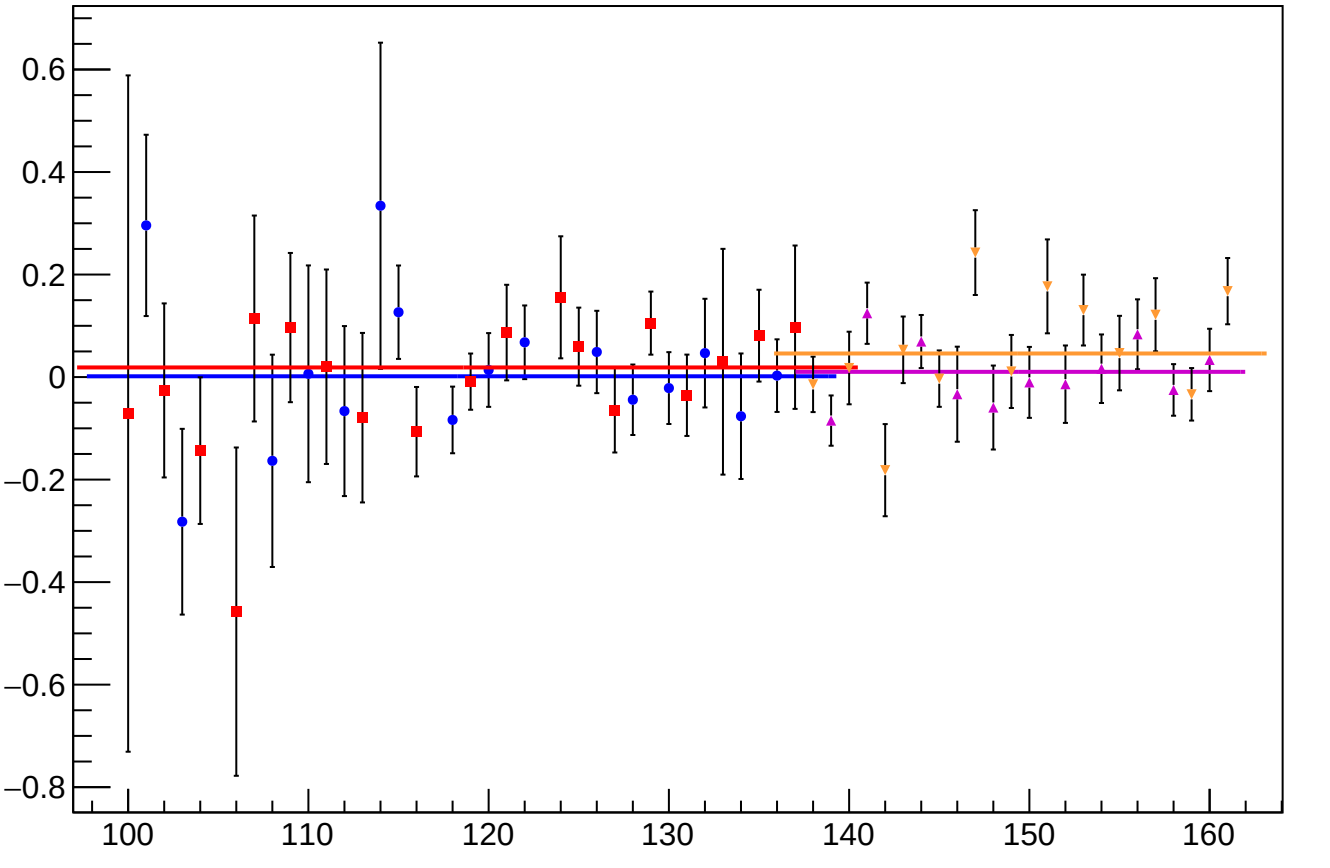
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.003+/-0.000 χ²/NDF:1263222.9/12
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.003+/-0.000 χ²/NDF:2381511.4/10
+ sign 0.003+/-0.000 χ²/NDF: 5809366.0/28
All: 0.003+/-0.000 χ²/NDF: 13602778.2/58
- sign 0.003+/-0.000 χ²/NDF: 7540629.5/29



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.046+/-0.019 χ^2/NDF:25.2/12

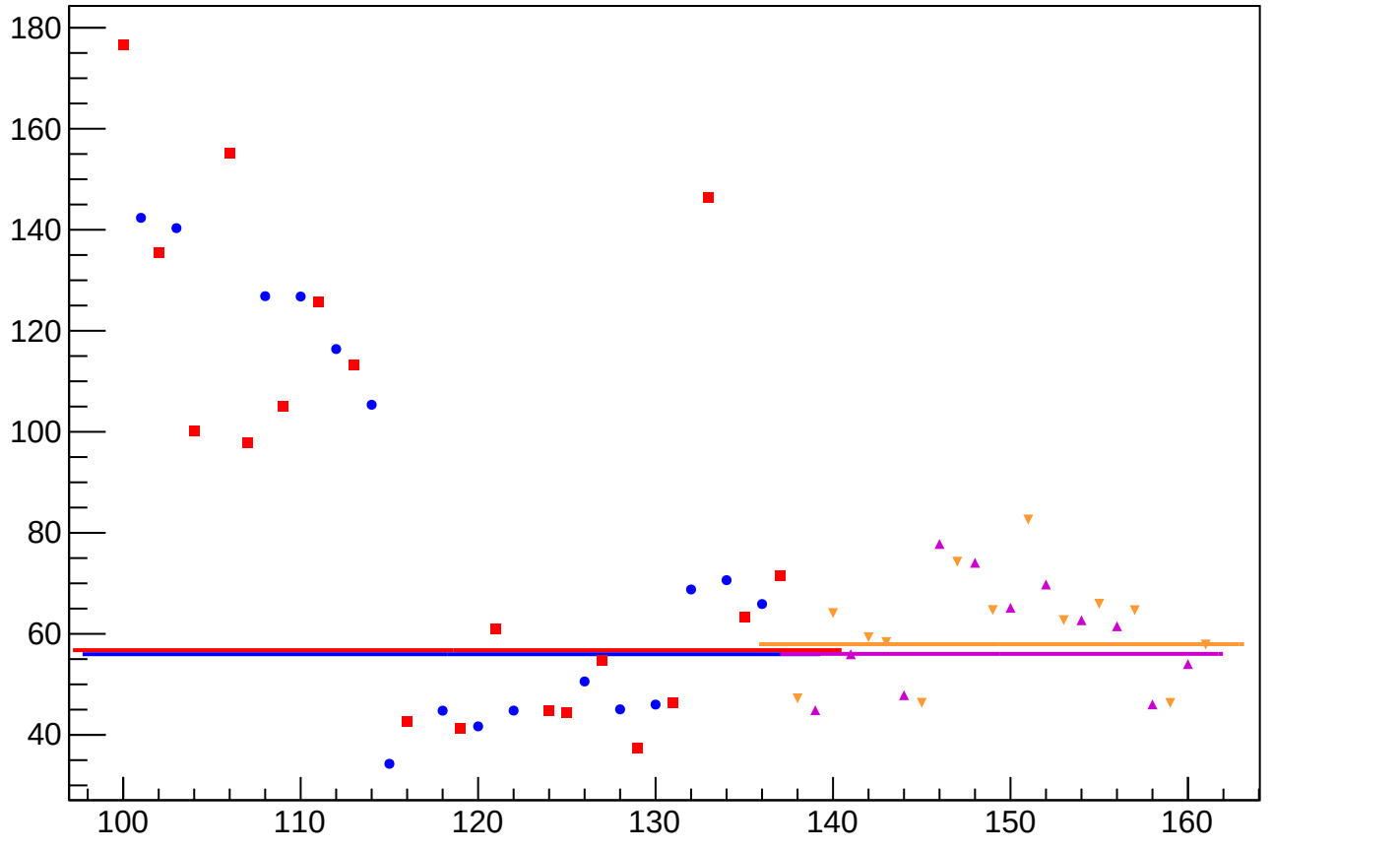
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.010+/-0.019 χ^2/NDF:11.7/10

+ sign 0.029+/-0.015 χ^2/NDF: 40.5/28

All: 0.021+/-0.010 χ^2/NDF: 65.8/58

- sign 0.014+/-0.015 χ^2/NDF: 24.8/29



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 57.959+/-0.013 χ^2/NDF:579037.7/12

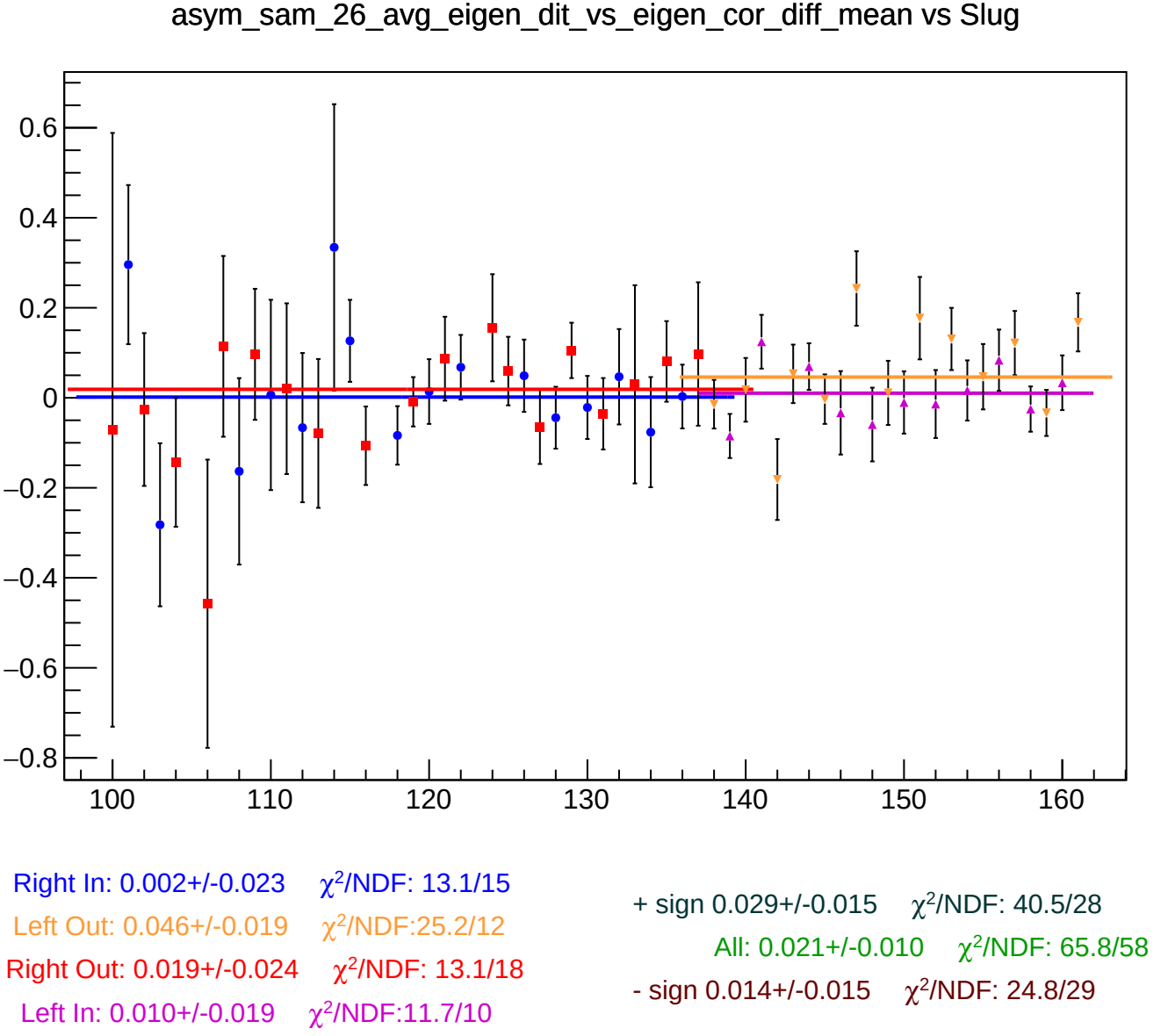
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

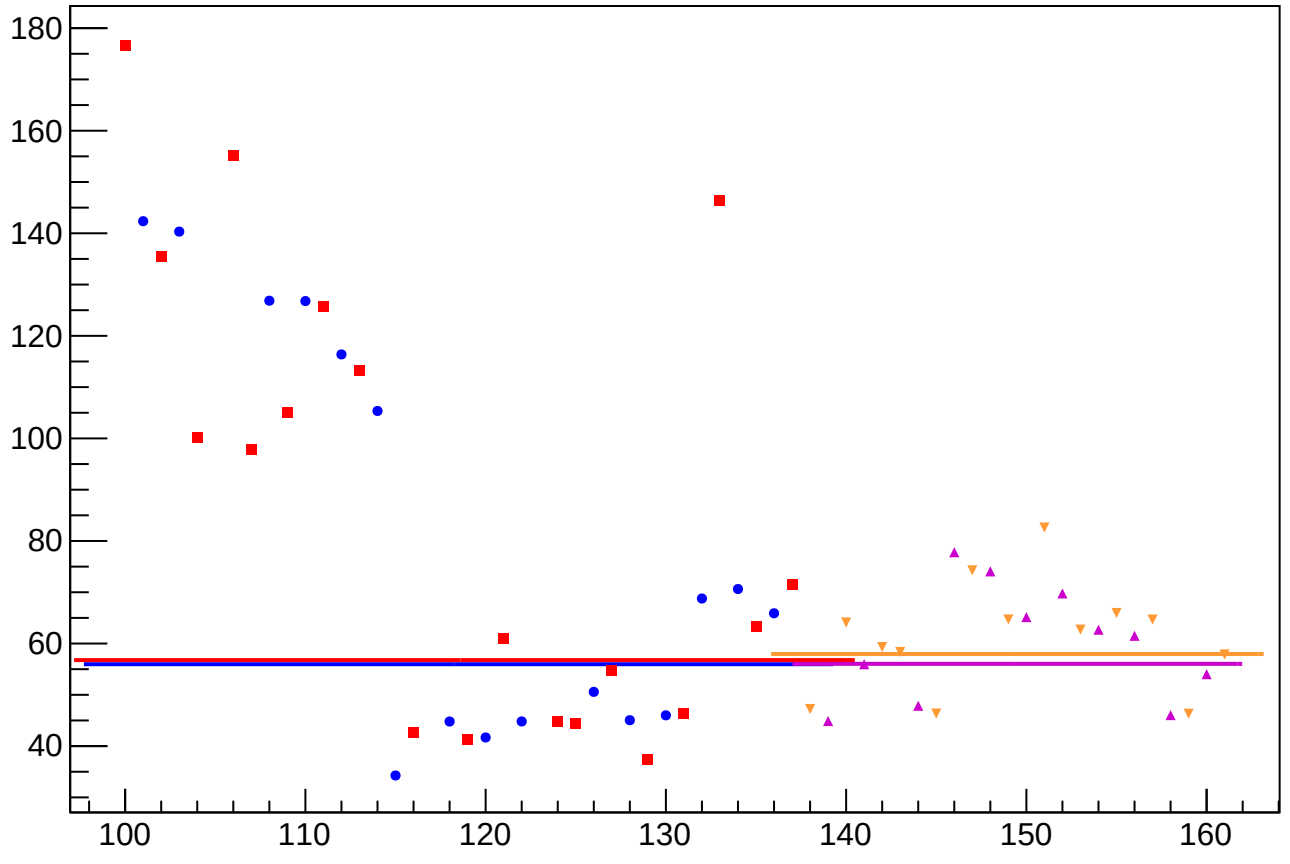
Left In: 56.041+/-0.013 χ^2/NDF:575107.9/10

+ sign 57.192+/-0.010 χ^2/NDF: 2767686.9/28

All: 56.764+/-0.007 χ^2/NDF: 5900653.0/58

- sign 56.325+/-0.010 χ^2/NDF: 3129448.0/29


asym_sam_26_avg_eigen_dit_vs_eigen_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
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.046+/-0.019 χ²/NDF:25.2/12
Right Out: 0.019+/-0.024 χ²/NDF: 13.1/18
Left In: 0.010+/-0.019 χ²/NDF:11.7/10
+ sign 0.029+/-0.015 χ²/NDF: 40.5/28
All: 0.021+/-0.010 χ²/NDF: 65.8/58
- sign 0.014+/-0.015 χ²/NDF: 24.8/29



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 57.959+/-0.013 χ^2/NDF:579037.7/12

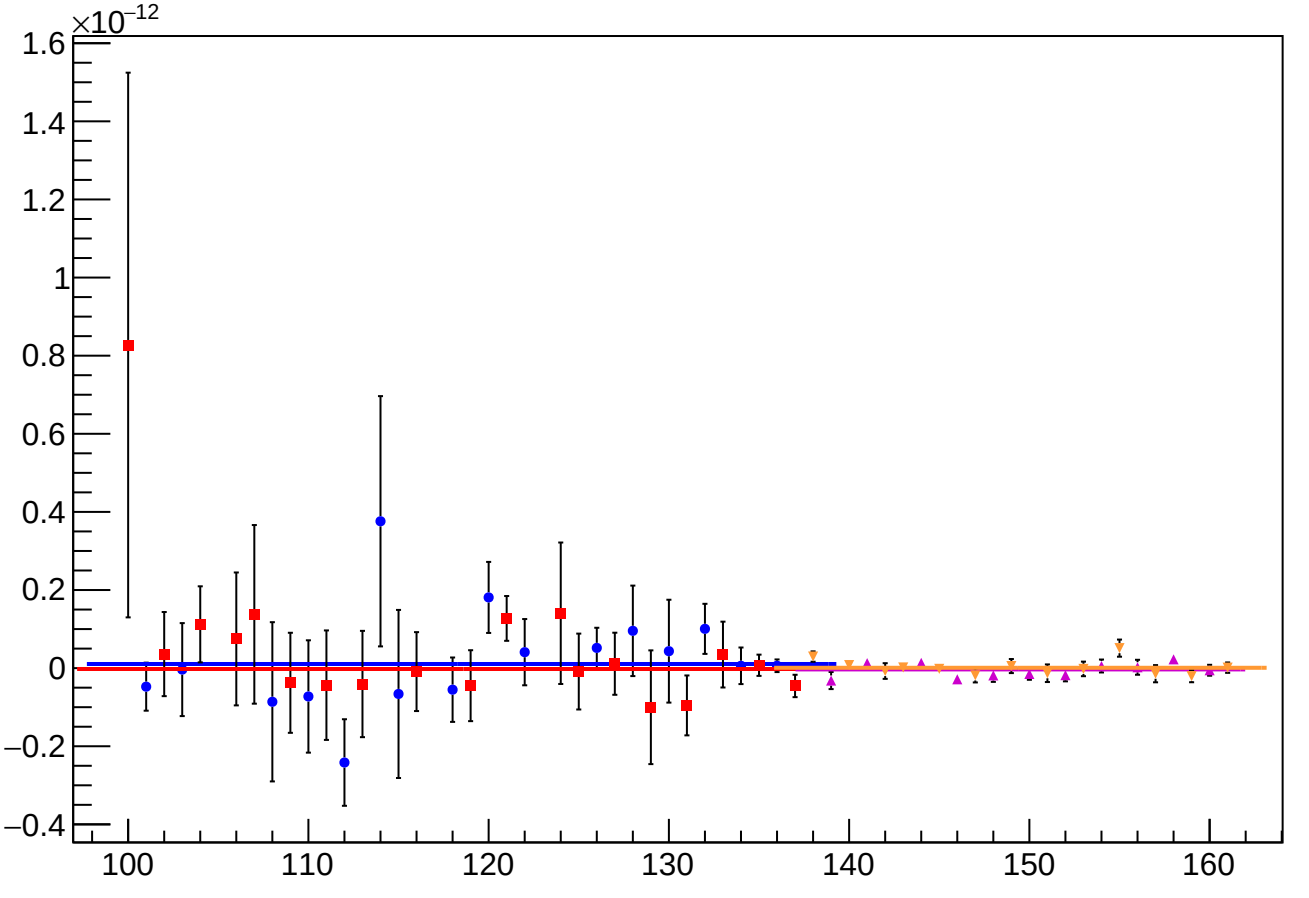
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.041+/-0.013 χ^2/NDF:575107.9/10

+ sign 57.192+/-0.010 χ^2/NDF: 2767686.9/28

All: 56.764+/-0.007 χ^2/NDF: 5900653.0/58

- sign 56.325+/-0.010 χ^2/NDF: 3129448.0/29



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/12

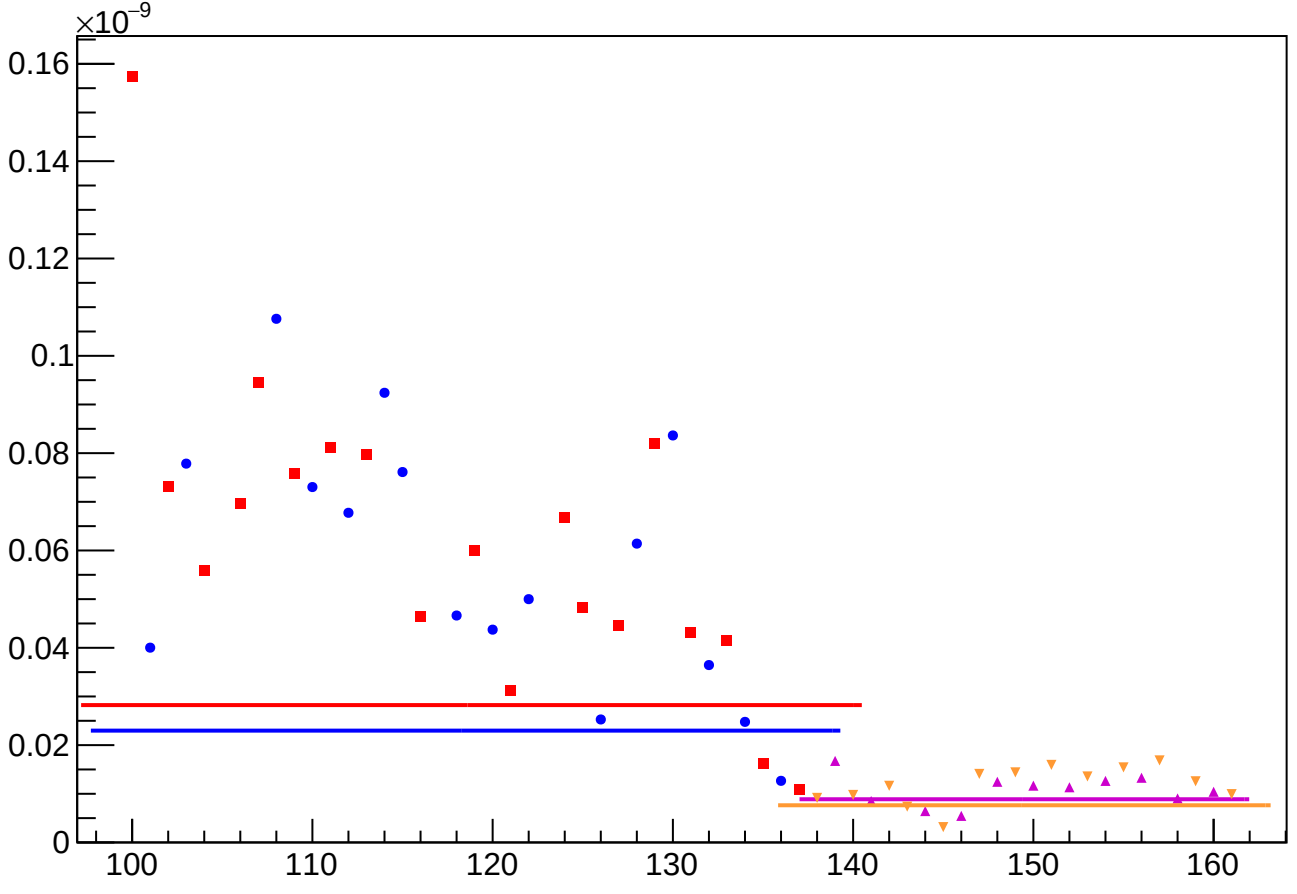
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 30.9/28

All: -0.000+/-0.000 χ^2/NDF: 70.7/58

- sign -0.000+/-0.000 χ^2/NDF: 38.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3591533.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

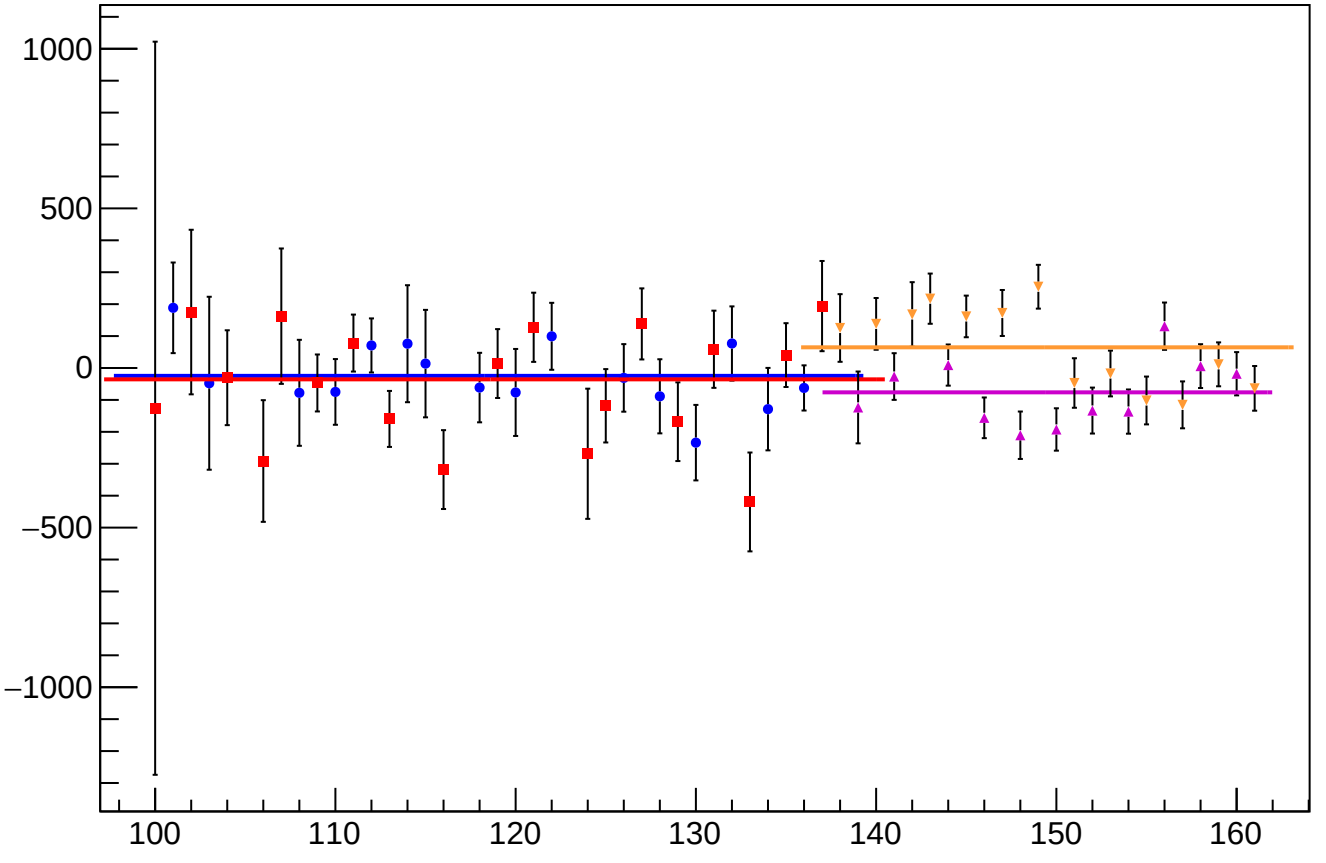
Left In: 0.000+/-0.000 χ^2/NDF:1212029.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 9946791.7/28

All: 0.000+/-0.000 χ^2/NDF: 18070921.2/58

- sign 0.000+/-0.000 χ^2/NDF: 7972804.4/29

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 64.755+/-20.940 χ^2/NDF:36.3/12

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

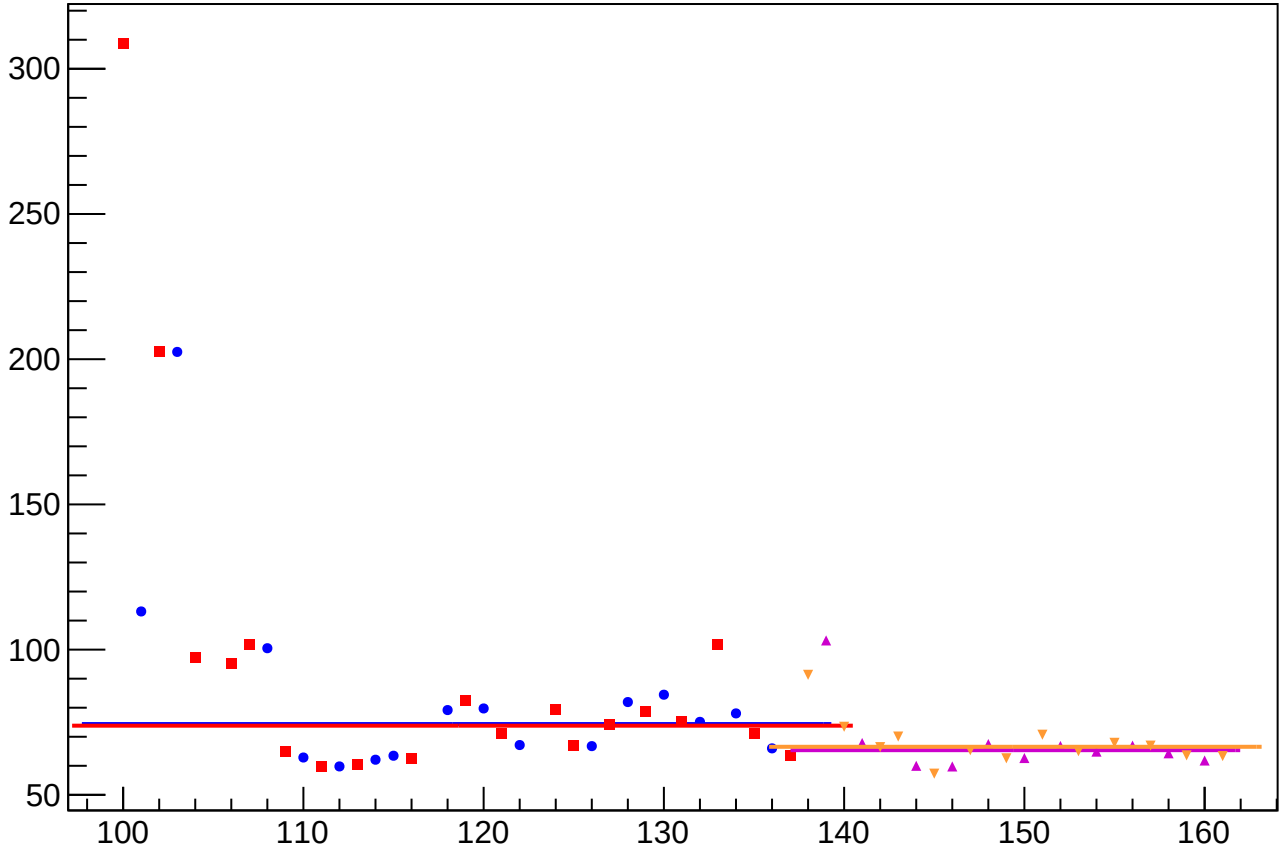
Left In: -76.279+/-21.441 χ^2/NDF:21.7/10

+ sign 34.000+/-16.959 χ^2/NDF: 53.6/28

All: -13.308+/-12.050 χ^2/NDF: 122.4/58

- sign -61.539+/-17.124 χ^2/NDF: 53.1/29

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 66.544+/-0.015 χ^2/NDF:190555.4/12

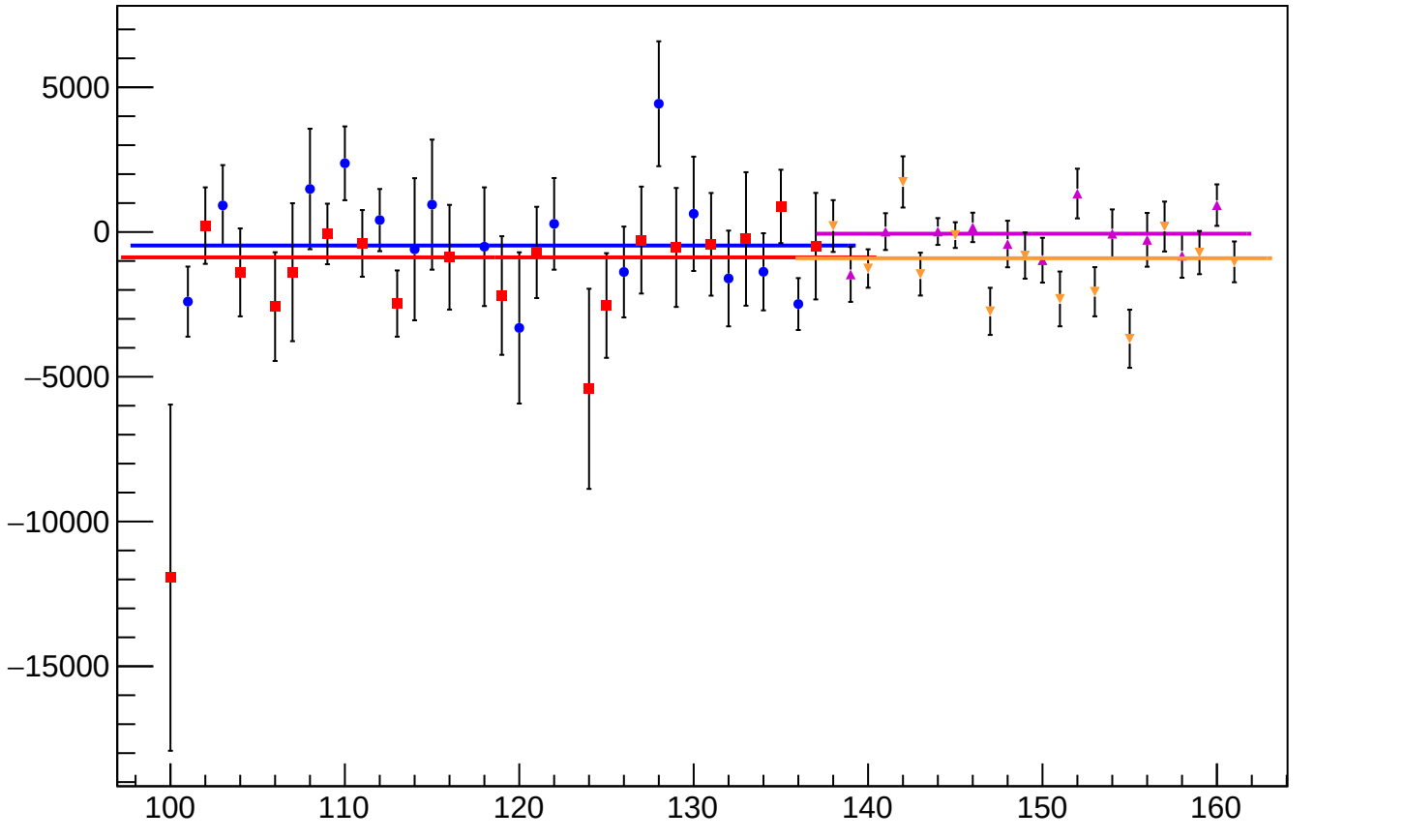
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.382+/-0.015 χ^2/NDF:270004.8/10

+ sign 69.236+/-0.012 χ^2/NDF: 1114232.0/28

All: 68.840+/-0.009 χ^2/NDF: 2430422.3/58

- sign 68.436+/-0.012 χ^2/NDF: 1313987.6/29



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -904.405+/-206.593 χ^2/NDF:33.0/12

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

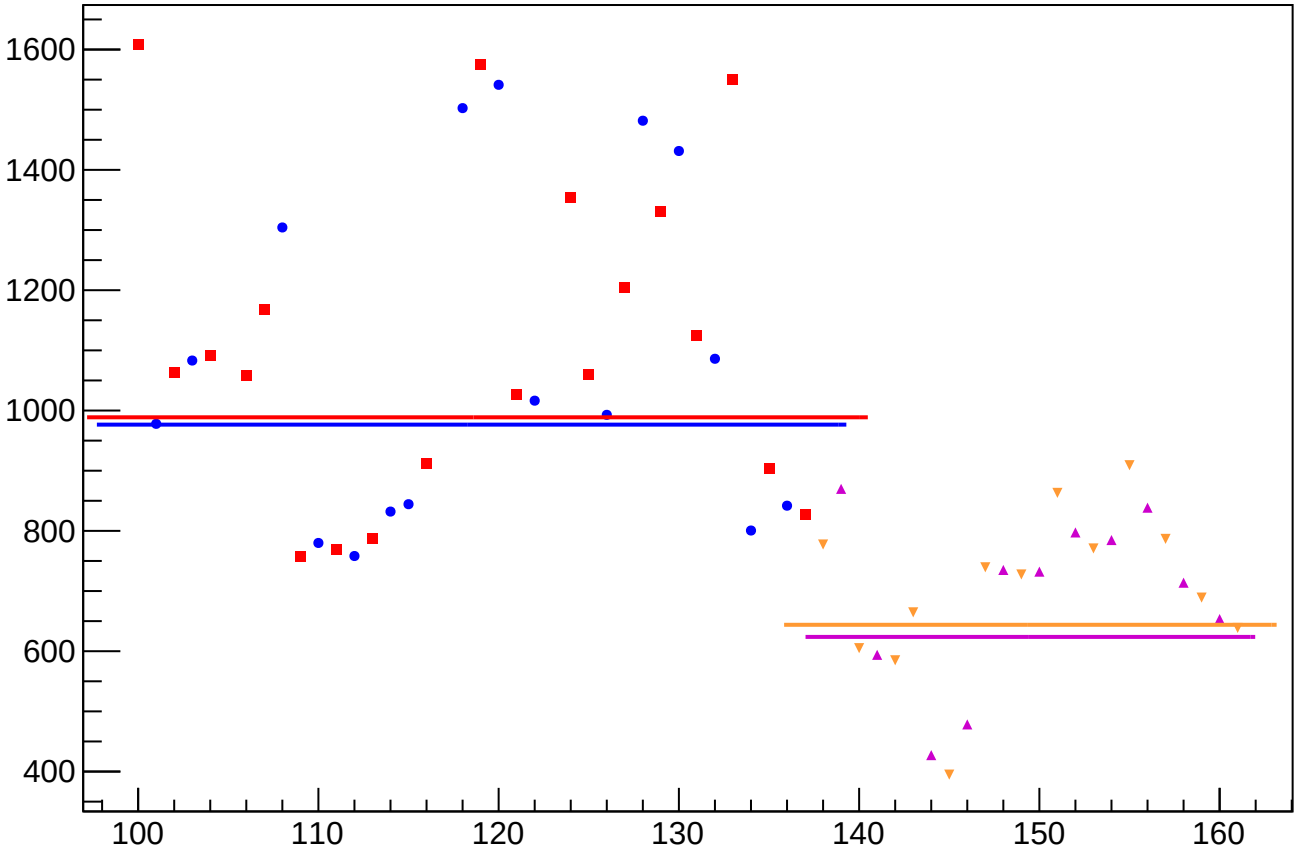
Left In: -58.416+/-208.741 χ^2/NDF:9.6/10

+ sign -802.462+/-180.953 χ^2/NDF: 57.8/28

All: -529.843+/-128.346 χ^2/NDF: 88.6/58

- sign -253.855+/-182.068 χ^2/NDF: 26.3/29

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 643.905+/-0.146 χ^2/NDF:1094363.5/12

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

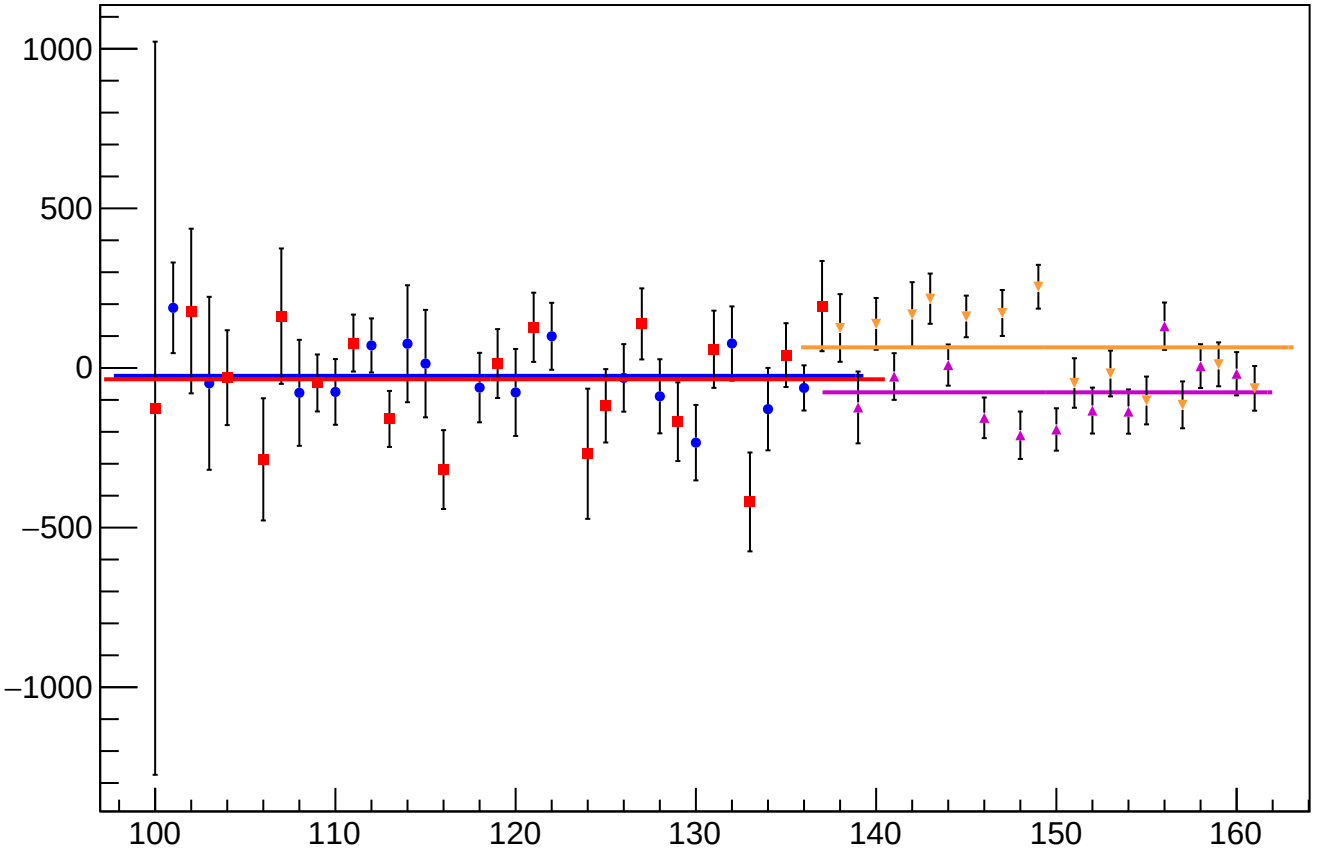
Left In: 623.777+/-0.148 χ^2/NDF:1034433.8/10

+ sign 721.356+/-0.128 χ^2/NDF: 3038356.7/28

All: 716.257+/-0.091 χ^2/NDF: 6254505.6/58

- sign 711.095+/-0.129 χ^2/NDF: 3212952.9/29

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 64.758+/-20.940 χ^2/NDF:36.3/12

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

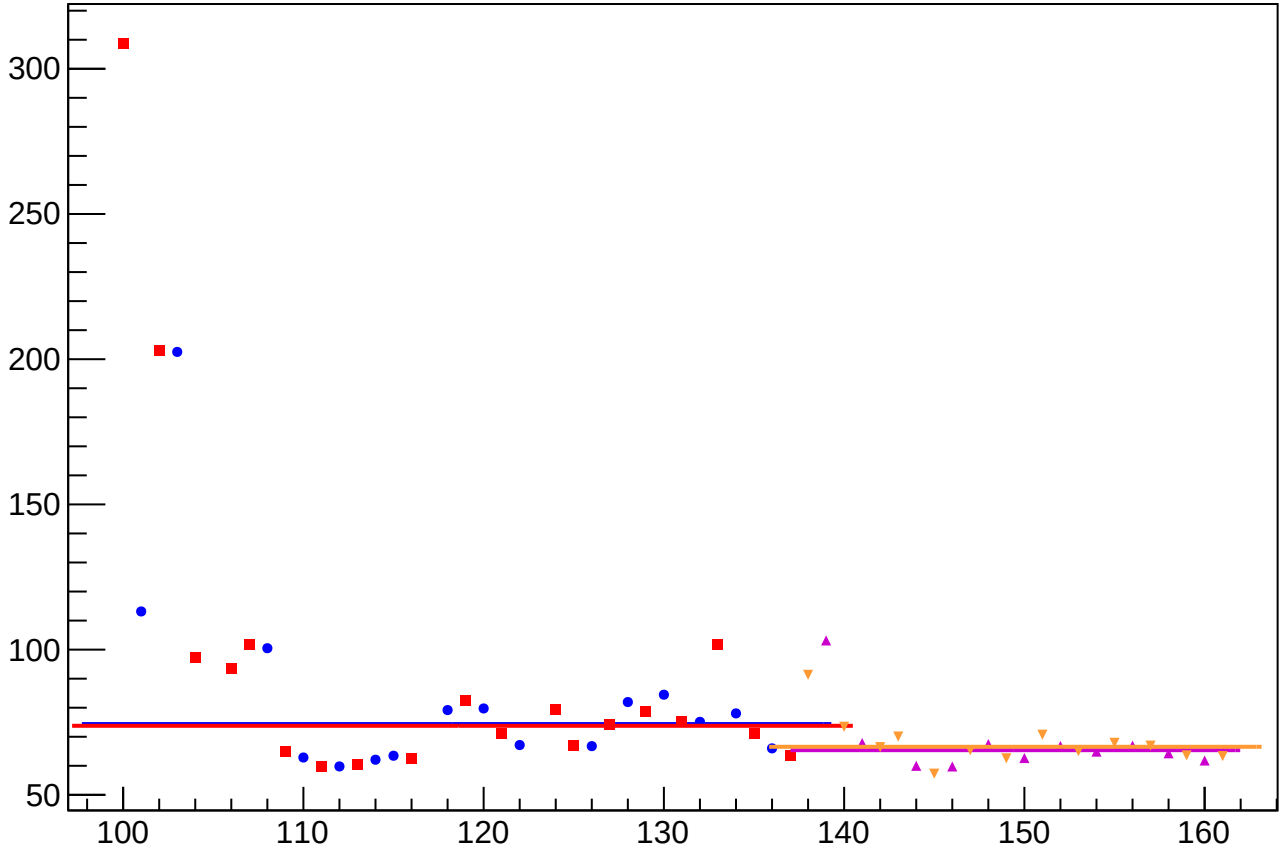
Left In: -76.280+/-21.441 χ^2/NDF:21.7/10

+ sign 33.999+/-16.959 χ^2/NDF: 53.6/28

All: -13.272+/-12.050 χ^2/NDF: 122.3/58

- sign -61.470+/-17.125 χ^2/NDF: 53.0/29

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.544+/-0.015 χ^2/NDF:190555.4/12

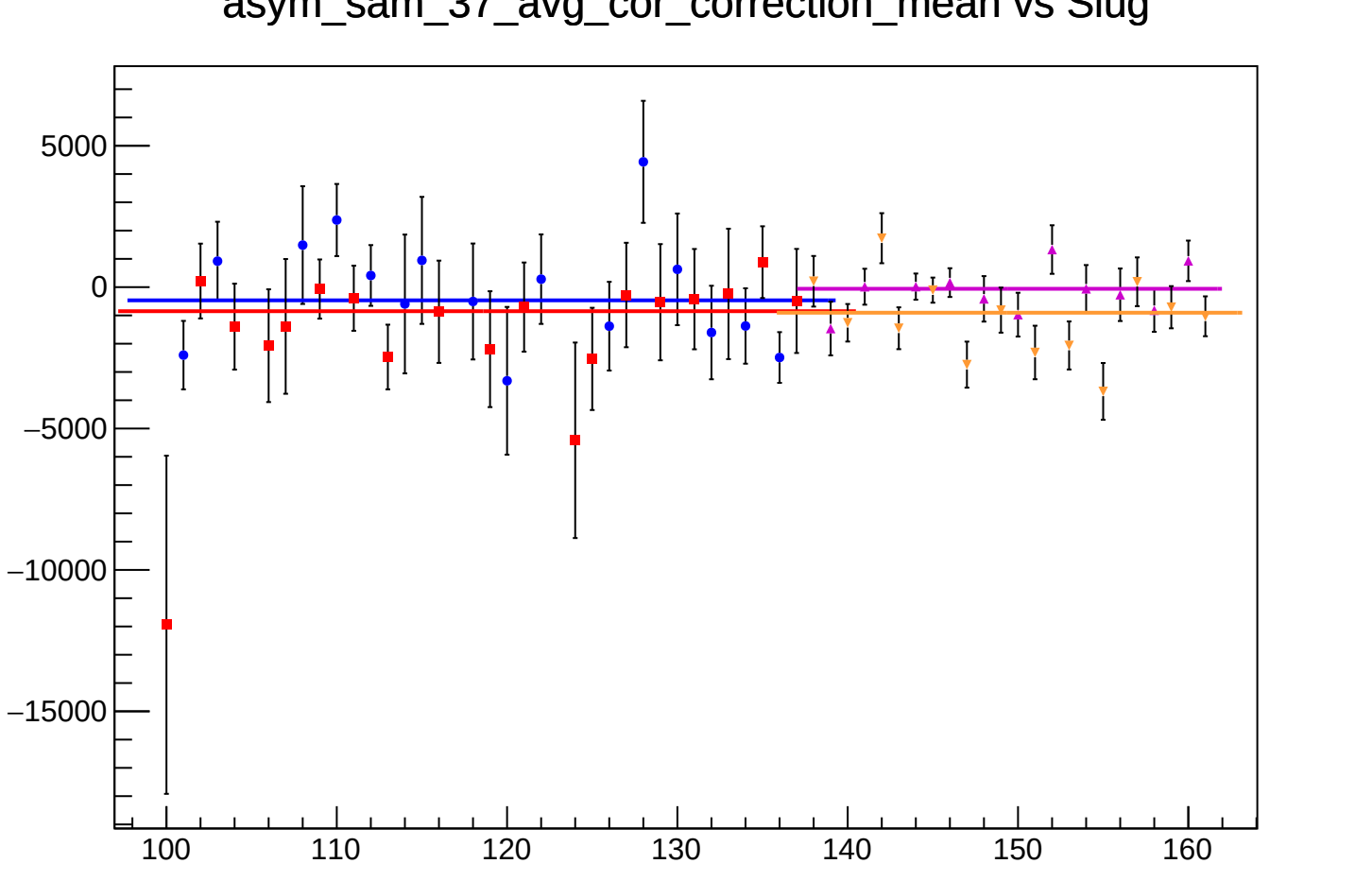
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.382+/-0.015 χ^2/NDF:270004.8/10

+ sign 69.236+/-0.012 χ^2/NDF: 1114234.0/28

All: 68.832+/-0.009 χ^2/NDF: 2425601.6/58

- sign 68.421+/-0.012 χ^2/NDF: 1309078.6/29



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -904.403+/-206.593 χ^2/NDF:33.0/12

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

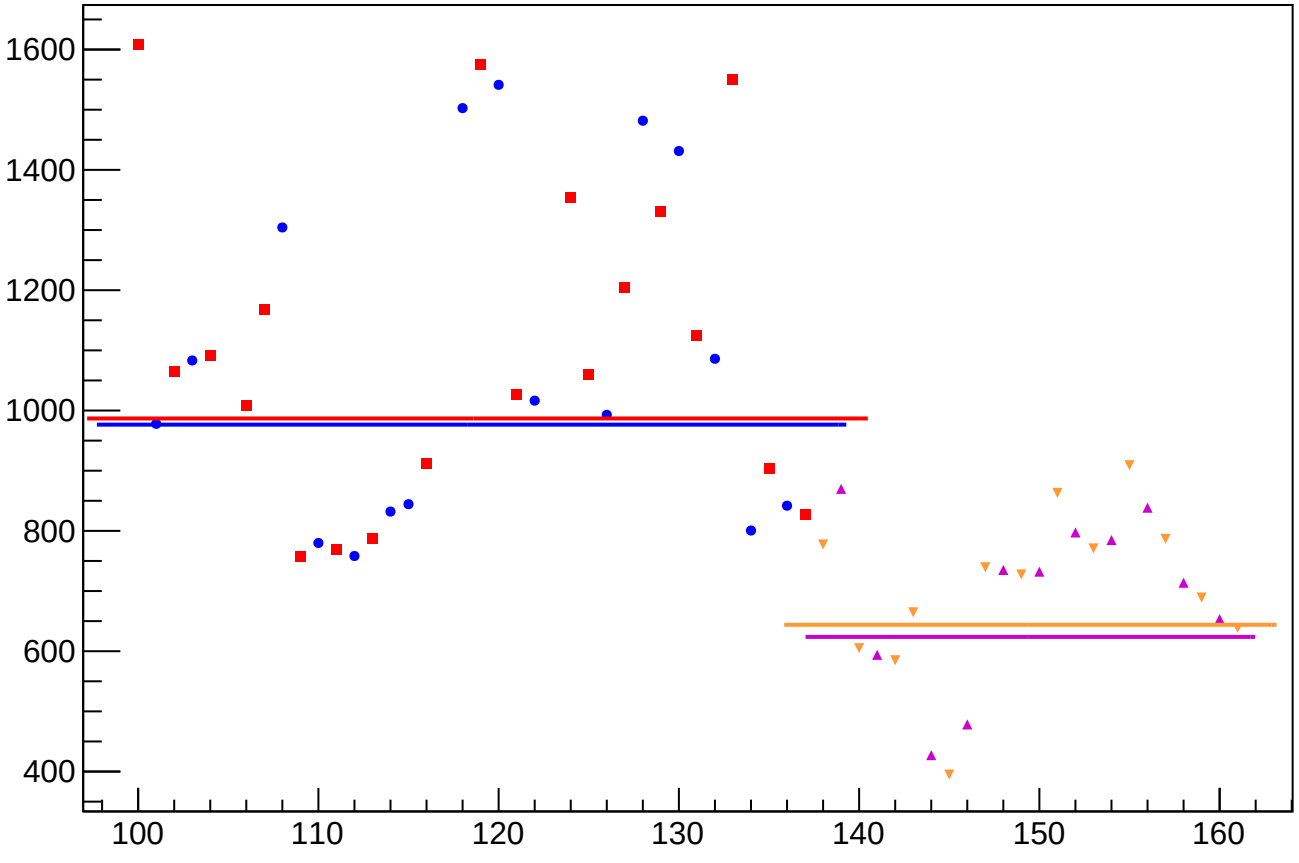
Left In: -58.418+/-208.741 χ^2/NDF:9.6/10

+ sign -802.459+/-180.954 χ^2/NDF: 57.8/28

All: -526.742+/-128.381 χ^2/NDF: 88.1/58

- sign -247.313+/-182.168 χ^2/NDF: 25.6/29

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 643.905+/-0.146 χ^2/NDF:1094364.0/12

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

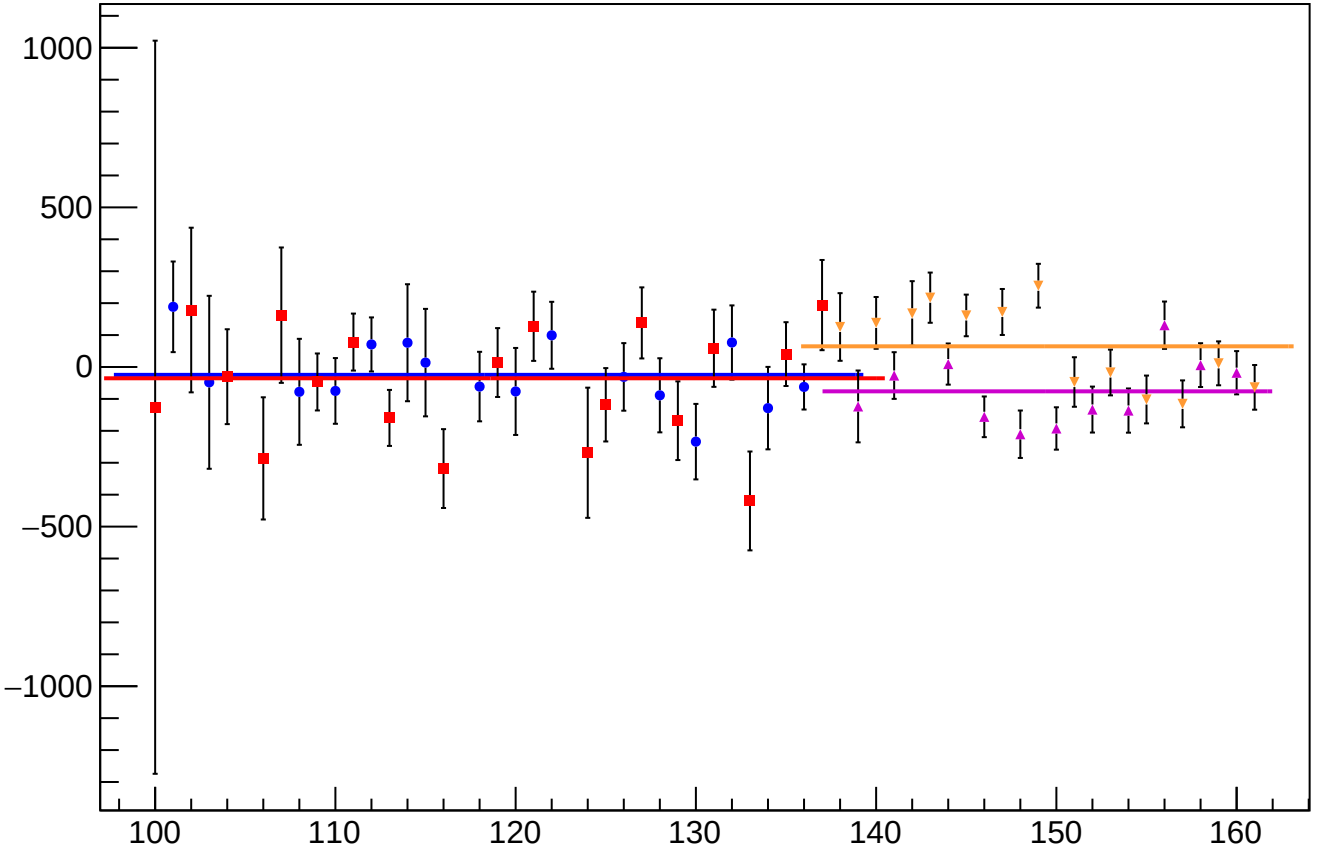
Left In: 623.777+/-0.148 χ^2/NDF:1034434.7/10

+ sign 721.356+/-0.128 χ^2/NDF: 3038412.2/28

All: 715.879+/-0.091 χ^2/NDF: 6232124.2/58

- sign 710.328+/-0.129 χ^2/NDF: 3190022.6/29

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 64.758+/-20.940 χ^2/NDF:36.3/12

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

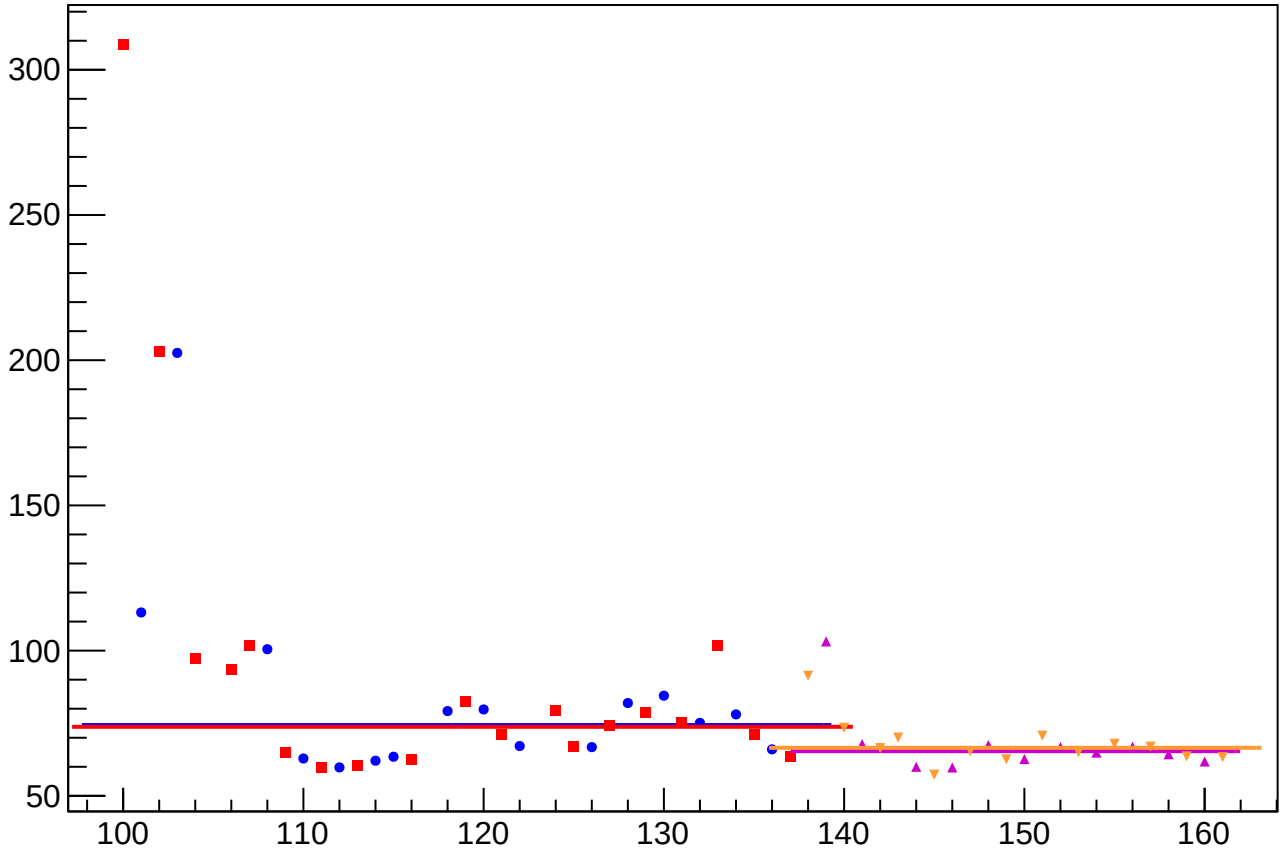
Left In: -76.280+/-21.441 χ^2/NDF:21.7/10

+ sign 33.999+/-16.959 χ^2/NDF: 53.6/28

All: -13.272+/-12.050 χ^2/NDF: 122.3/58

- sign -61.470+/-17.125 χ^2/NDF: 53.0/29

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.544+/-0.015 χ^2/NDF:190555.4/12

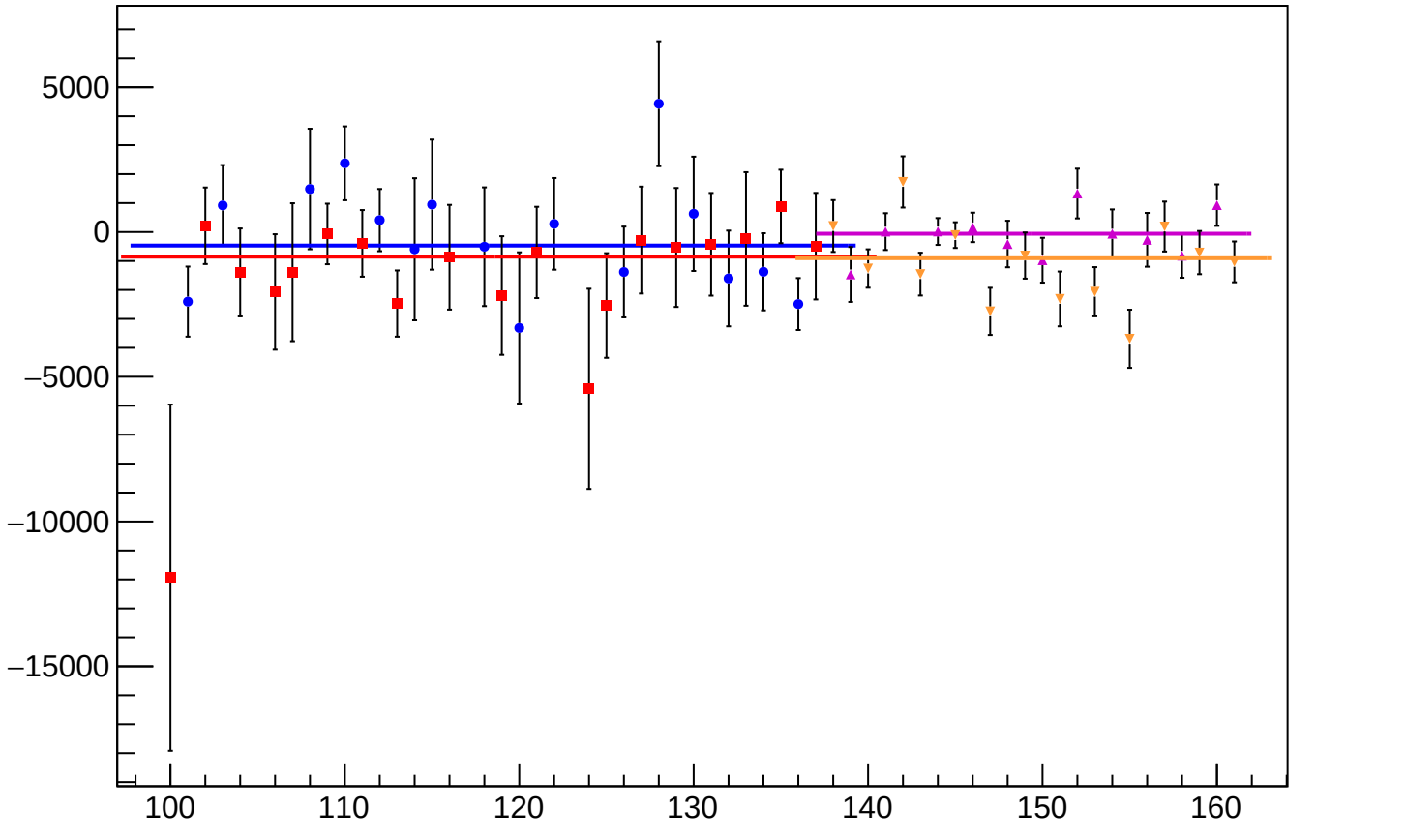
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.382+/-0.015 χ^2/NDF:270004.8/10

+ sign 69.236+/-0.012 χ^2/NDF: 1114234.0/28

All: 68.832+/-0.009 χ^2/NDF: 2425601.6/58

- sign 68.421+/-0.012 χ^2/NDF: 1309078.6/29



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -904.403+/-206.593 χ^2/NDF:33.0/12

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

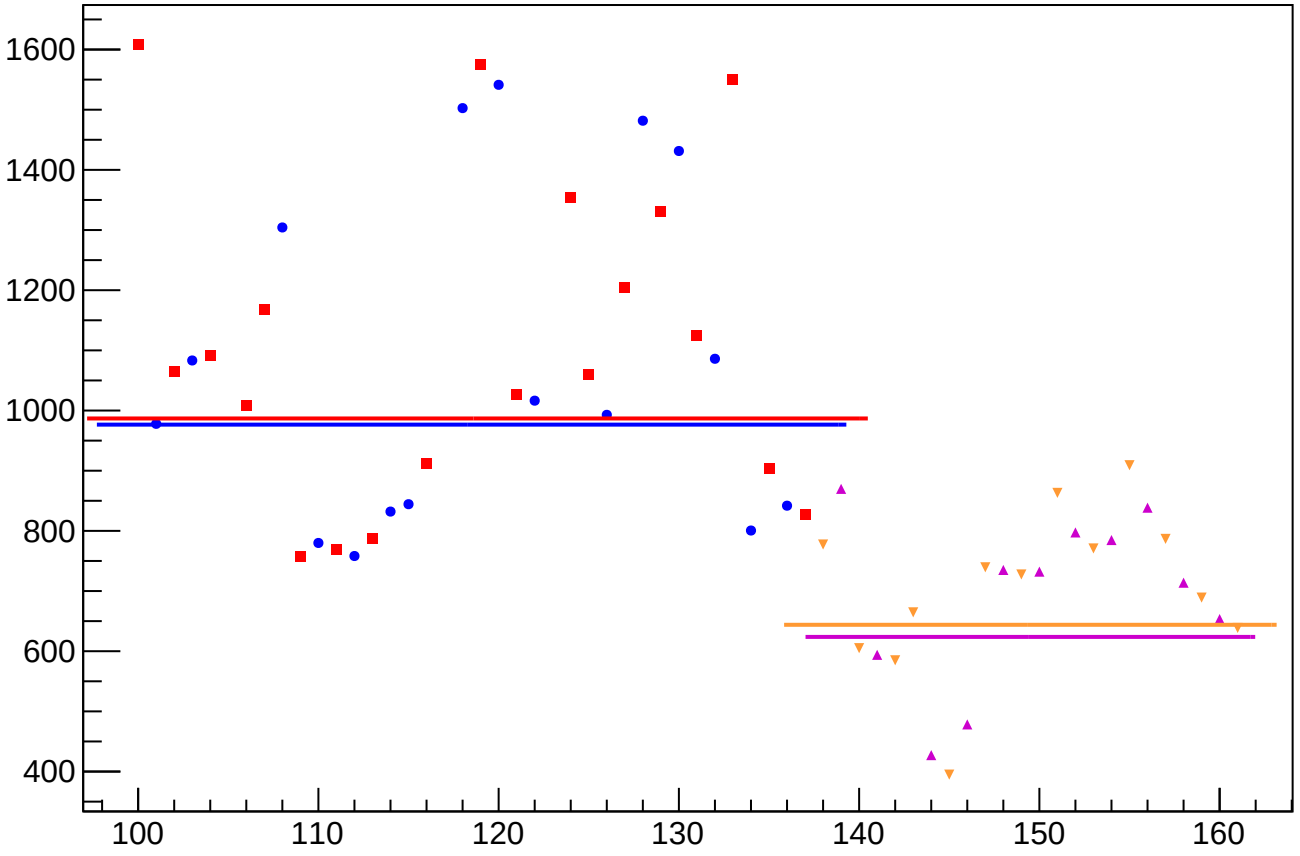
Left In: -58.418+/-208.741 χ^2/NDF:9.6/10

+ sign -802.459+/-180.954 χ^2/NDF: 57.8/28

All: -526.742+/-128.381 χ^2/NDF: 88.1/58

- sign -247.313+/-182.168 χ^2/NDF: 25.6/29

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 643.905+/-0.146 χ^2/NDF:1094364.0/12

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

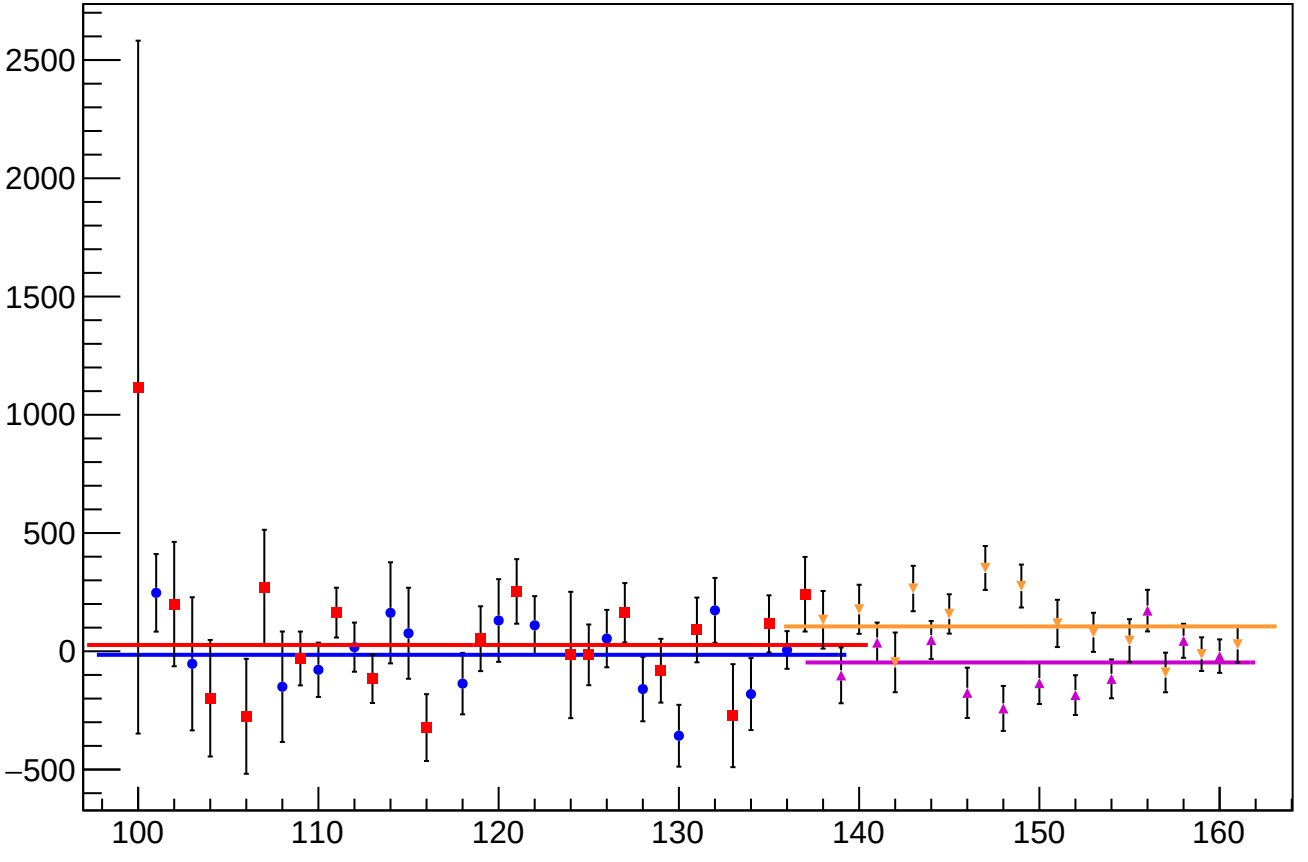
Left In: 623.777+/-0.148 χ^2/NDF:1034434.7/10

+ sign 721.356+/-0.128 χ^2/NDF: 3038412.2/28

All: 715.879+/-0.091 χ^2/NDF: 6232124.2/58

- sign 710.328+/-0.129 χ^2/NDF: 3190022.6/29

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 105.171+/-25.083 χ^2/NDF:25.4/12

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

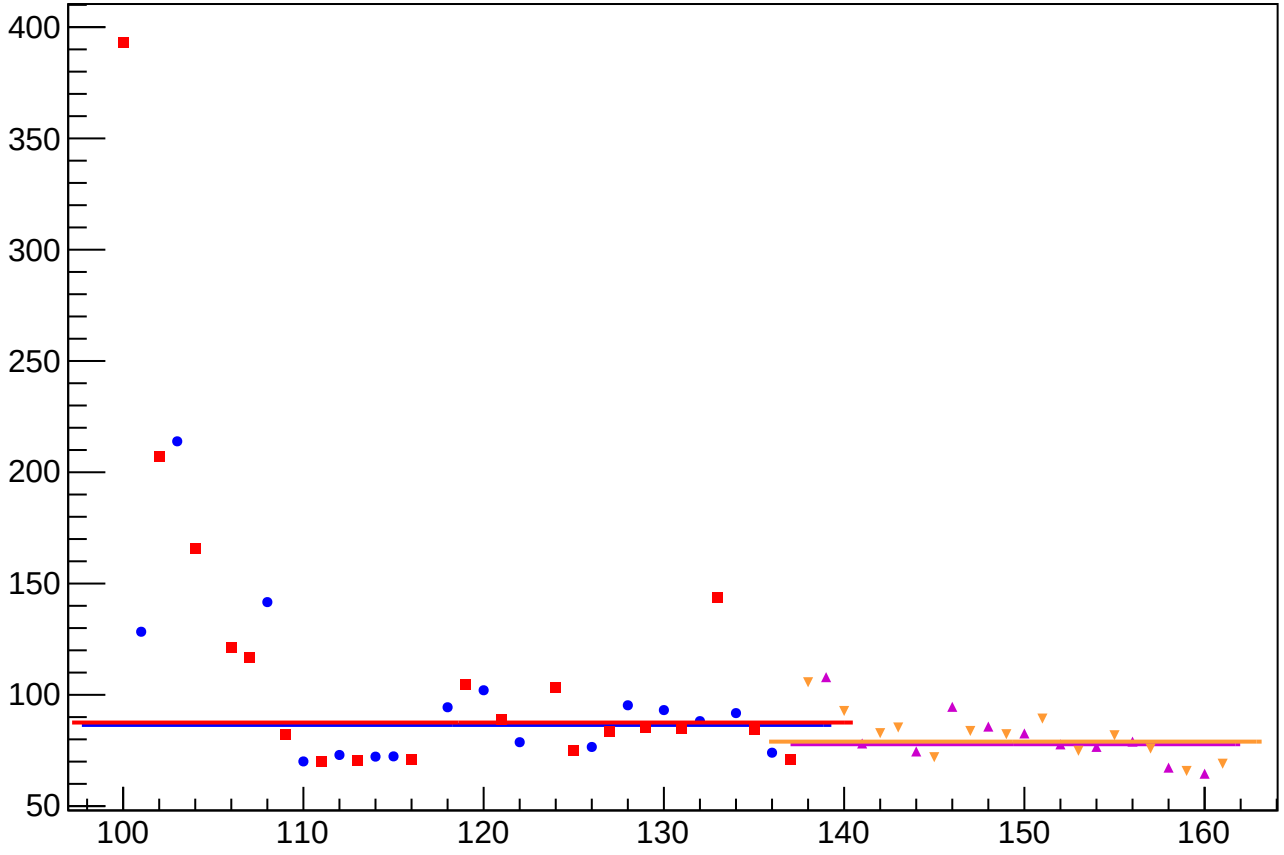
Left In: -47.280+/-25.776 χ^2/NDF:20.6/10

+ sign 62.446+/-20.134 χ^2/NDF: 51.9/28

All: 21.898+/-14.384 χ^2/NDF: 107.3/58

- sign -20.369+/-20.557 χ^2/NDF: 47.2/29

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 78.979+/-0.018 χ^2/NDF:296616.3/12

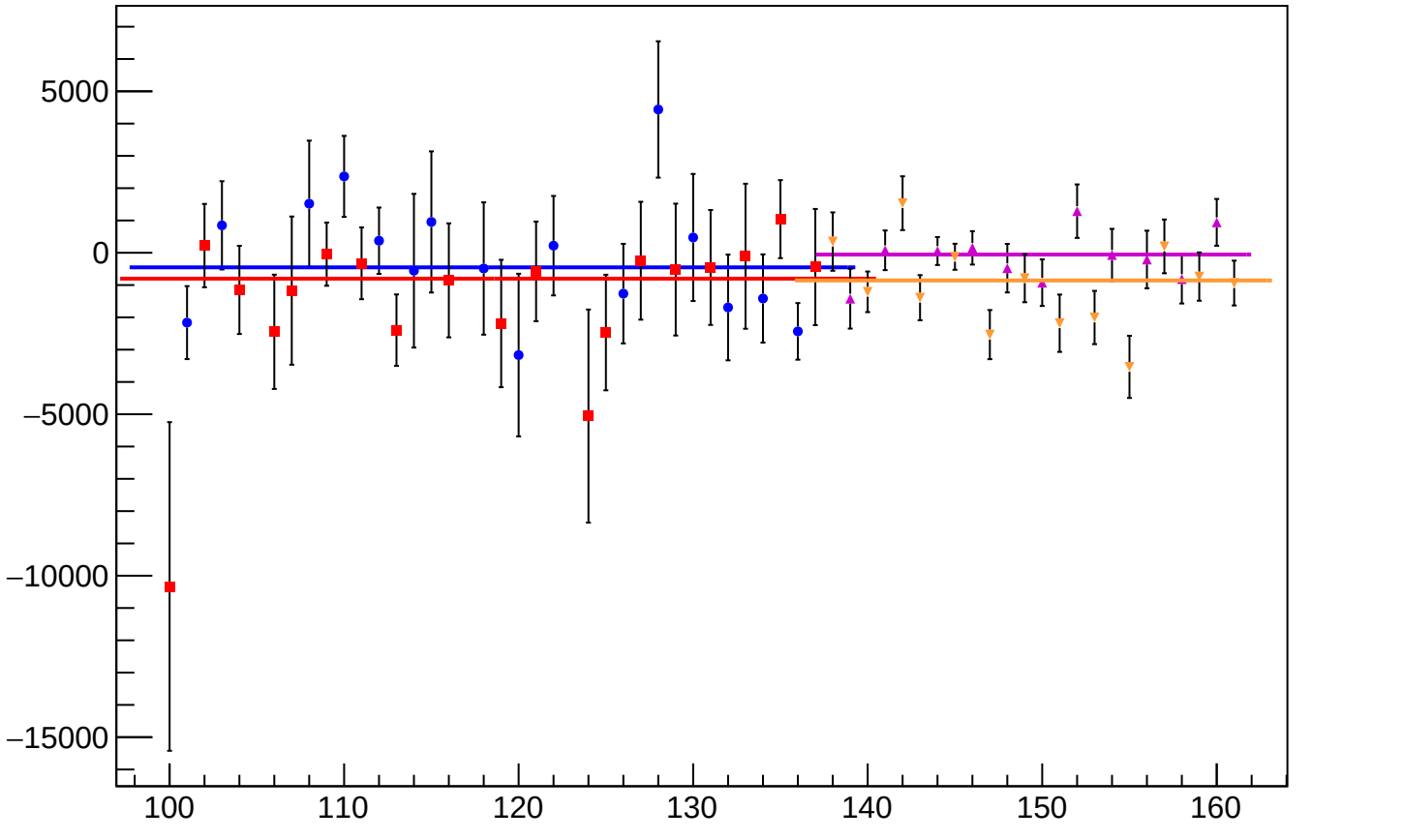
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 77.808+/-0.018 χ^2/NDF:317250.3/10

+ sign 81.650+/-0.014 χ^2/NDF: 1216639.1/28

All: 81.506+/-0.010 χ^2/NDF: 2767984.4/58

- sign 81.355+/-0.015 χ^2/NDF: 1551135.5/29



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -857.487+/-195.901 χ^2/NDF:32.6/12

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

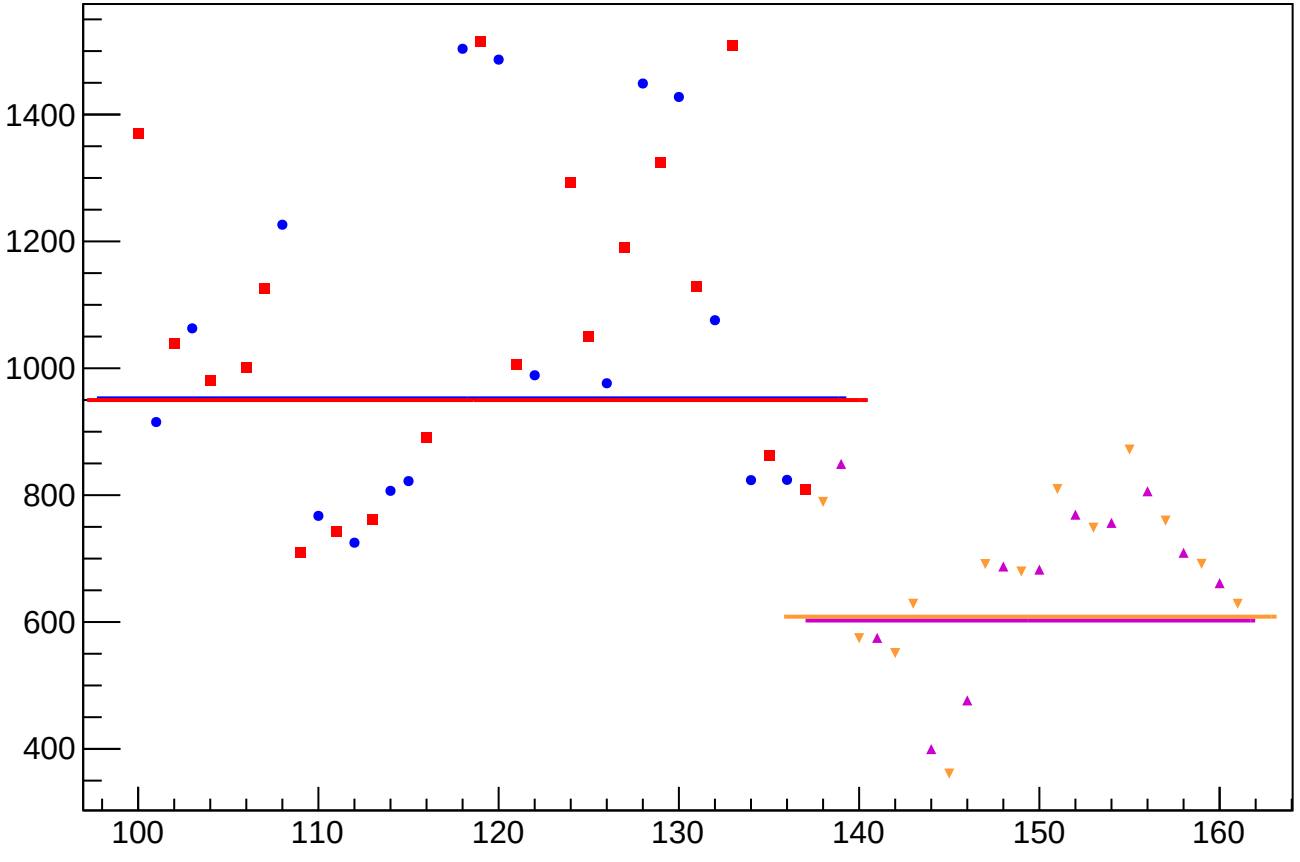
Left In: -54.925+/-202.048 χ^2/NDF:9.8/10

\+ sign -766.899+/-172.675 χ^2/NDF: 57.3/28

All: -506.088+/-123.239 χ^2/NDF: 88.7/58

\- sign -235.311+/-175.943 χ^2/NDF: 26.7/29

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 608.450+/-0.139 χ^2/NDF:1295164.6/12

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

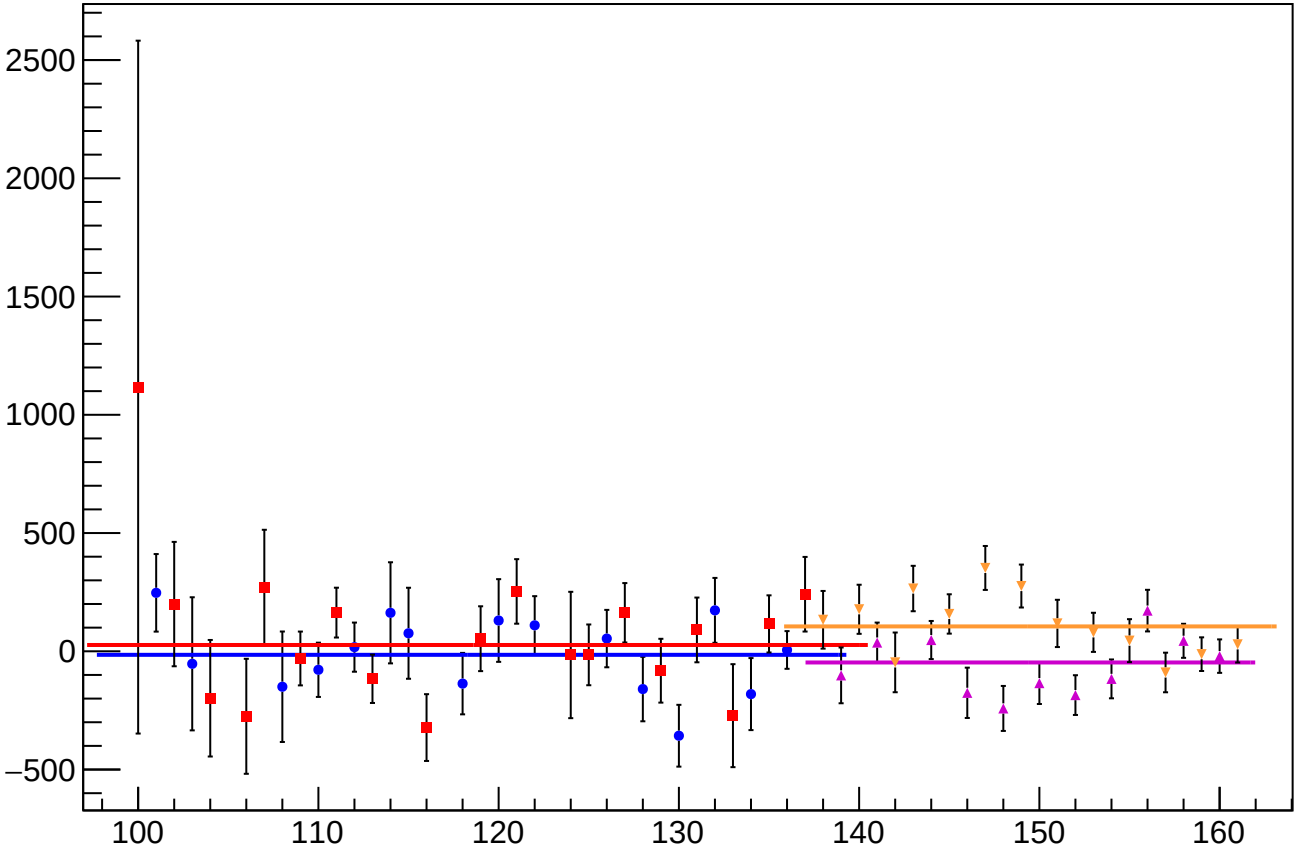
Left In: 602.409+/-0.143 χ^2/NDF:1065203.0/10

\+ sign 685.207+/-0.122 χ^2/NDF: 3417966.7/28

All: 685.792+/-0.087 χ^2/NDF: 6664733.2/58

\- sign 686.400+/-0.124 χ^2/NDF: 3246719.6/29

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 105.173+/-25.083 χ^2/NDF:25.4/12

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

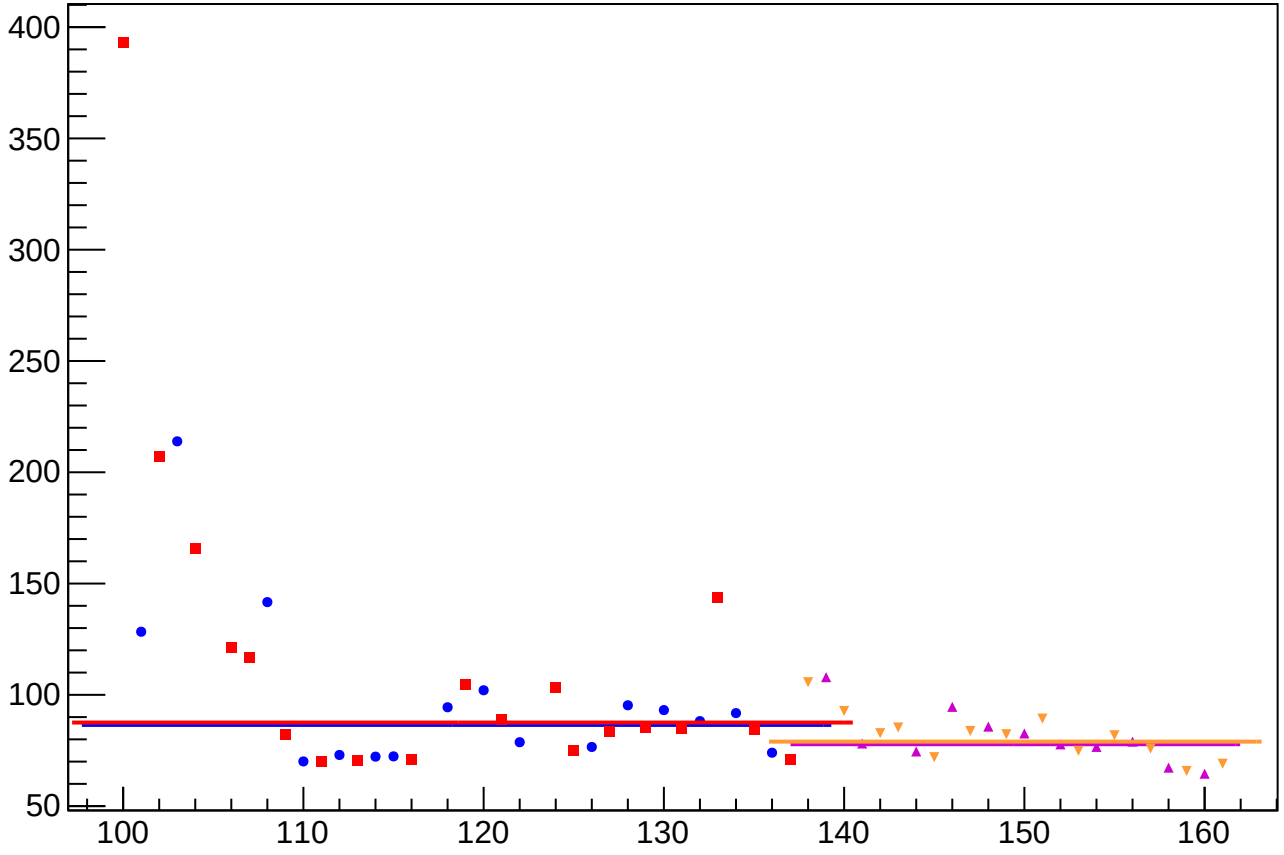
Left In: -47.279+/-25.776 χ^2/NDF:20.6/10

+ sign 62.447+/-20.134 χ^2/NDF: 51.9/28

All: 21.899+/-14.384 χ^2/NDF: 107.3/58

- sign -20.368+/-20.557 χ^2/NDF: 47.2/29

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 78.979+/-0.018 χ^2/NDF:296623.1/12

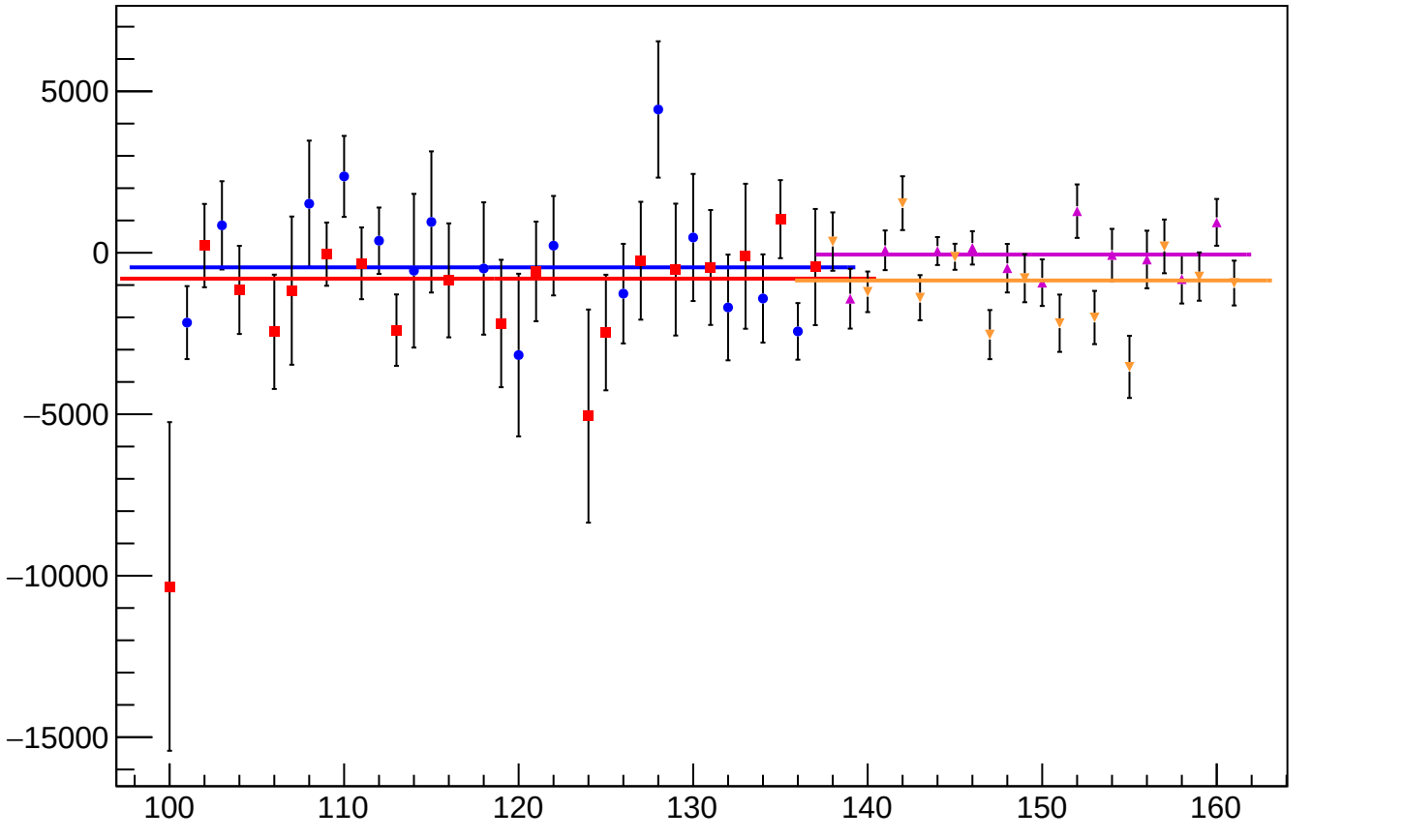
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 77.808+/-0.018 χ^2/NDF:317255.2/10

+ sign 81.651+/-0.014 χ^2/NDF: 1216637.5/28

All: 81.506+/-0.010 χ^2/NDF: 2767988.9/58

- sign 81.356+/-0.015 χ^2/NDF: 1551141.5/29



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -857.488+/-195.901 χ^2/NDF:32.6/12

Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

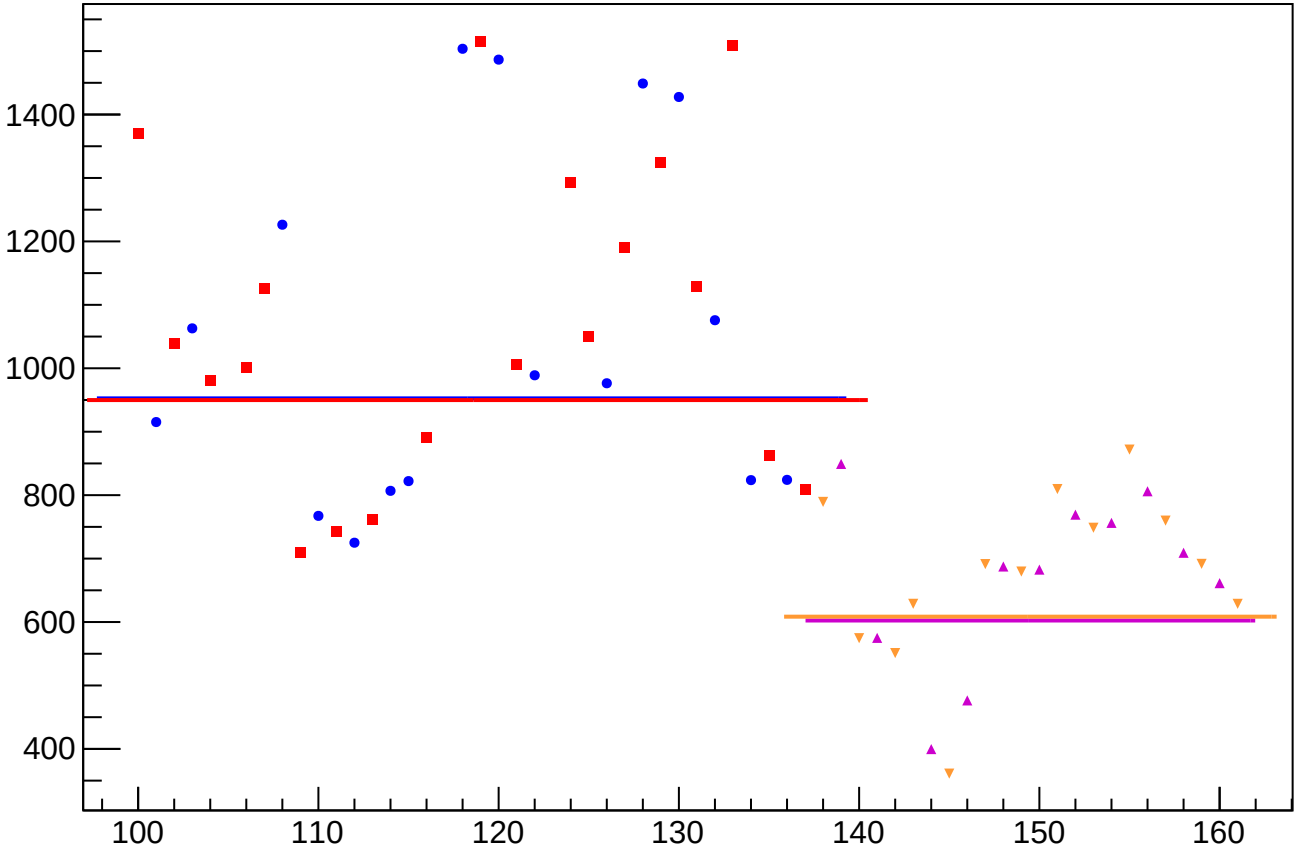
Left In: -54.924+/-202.048 χ^2/NDF:9.8/10

+ sign -766.898+/-172.674 χ^2/NDF: 57.3/28

All: -506.087+/-123.238 χ^2/NDF: 88.7/58

- sign -235.311+/-175.942 χ^2/NDF: 26.7/29

asym_sam_37_avg_eigen_dit_correction_rms vs Slug



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 608.449+/-0.139 χ^2/NDF:1295165.7/12

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

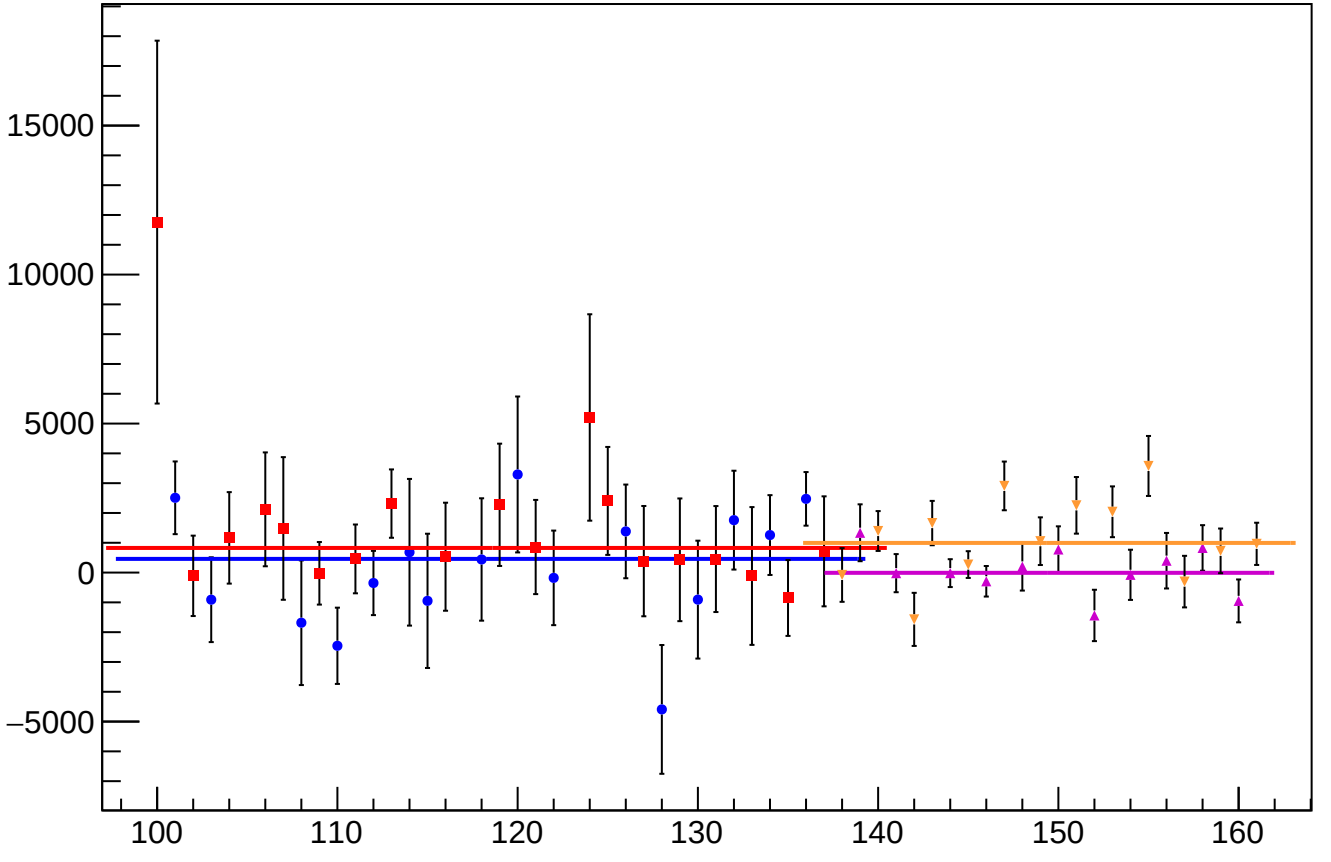
Left In: 602.409+/-0.143 χ^2/NDF:1065202.4/10

\+ sign 685.206+/-0.122 χ^2/NDF: 3417966.8/28

All: 685.792+/-0.087 χ^2/NDF: 6664727.1/58

\- sign 686.400+/-0.124 χ^2/NDF: 3246713.4/29

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 995.268+/-207.903 χ^2/NDF:31.2/12

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

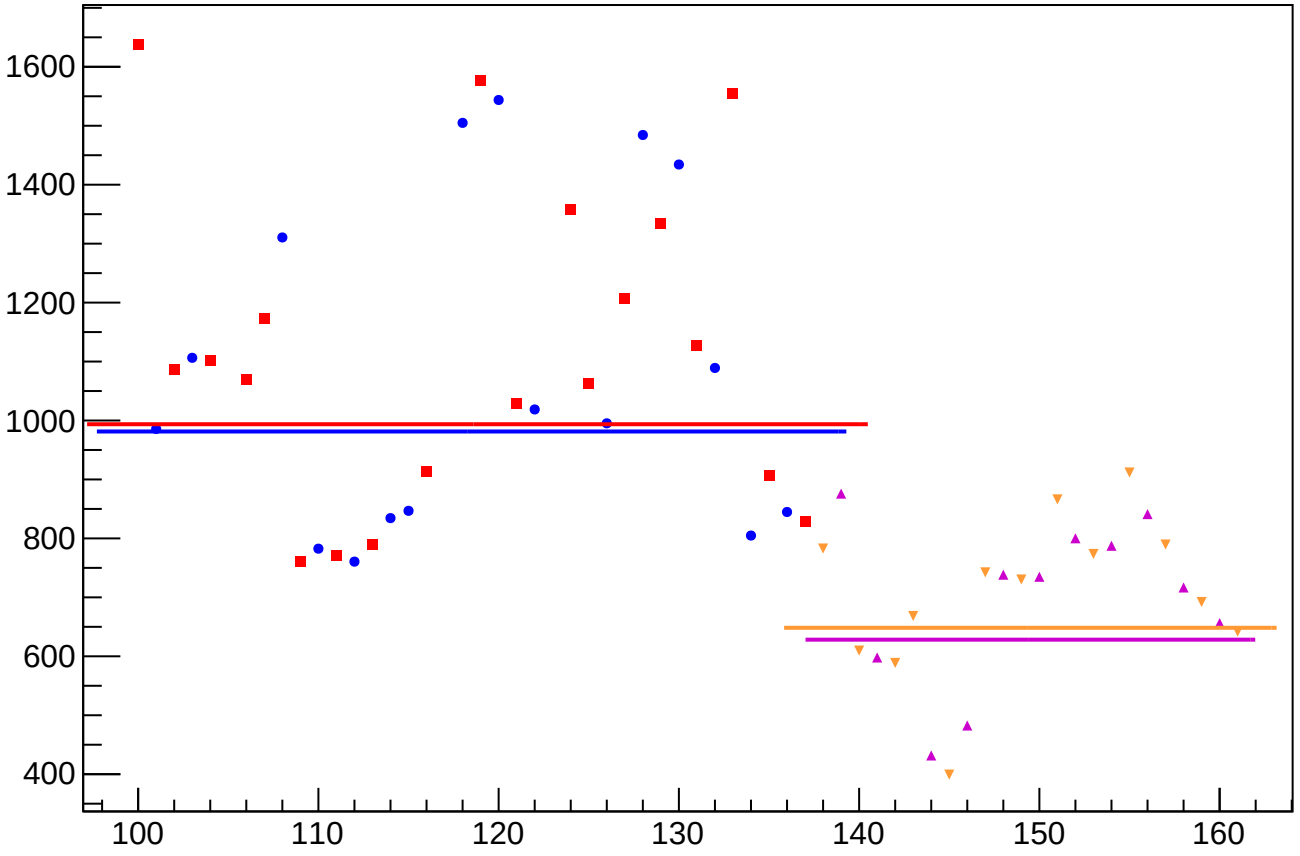
Left In: -8.363+/-210.098 χ^2/NDF:9.2/10

+ sign 870.179+/-182.041 χ^2/NDF: 57.3/28

All: 533.103+/-129.131 χ^2/NDF: 88.9/58

- sign 191.709+/-183.203 χ^2/NDF: 24.7/29

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 648.378+/-0.147 χ^2/NDF:1069974.2/12

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

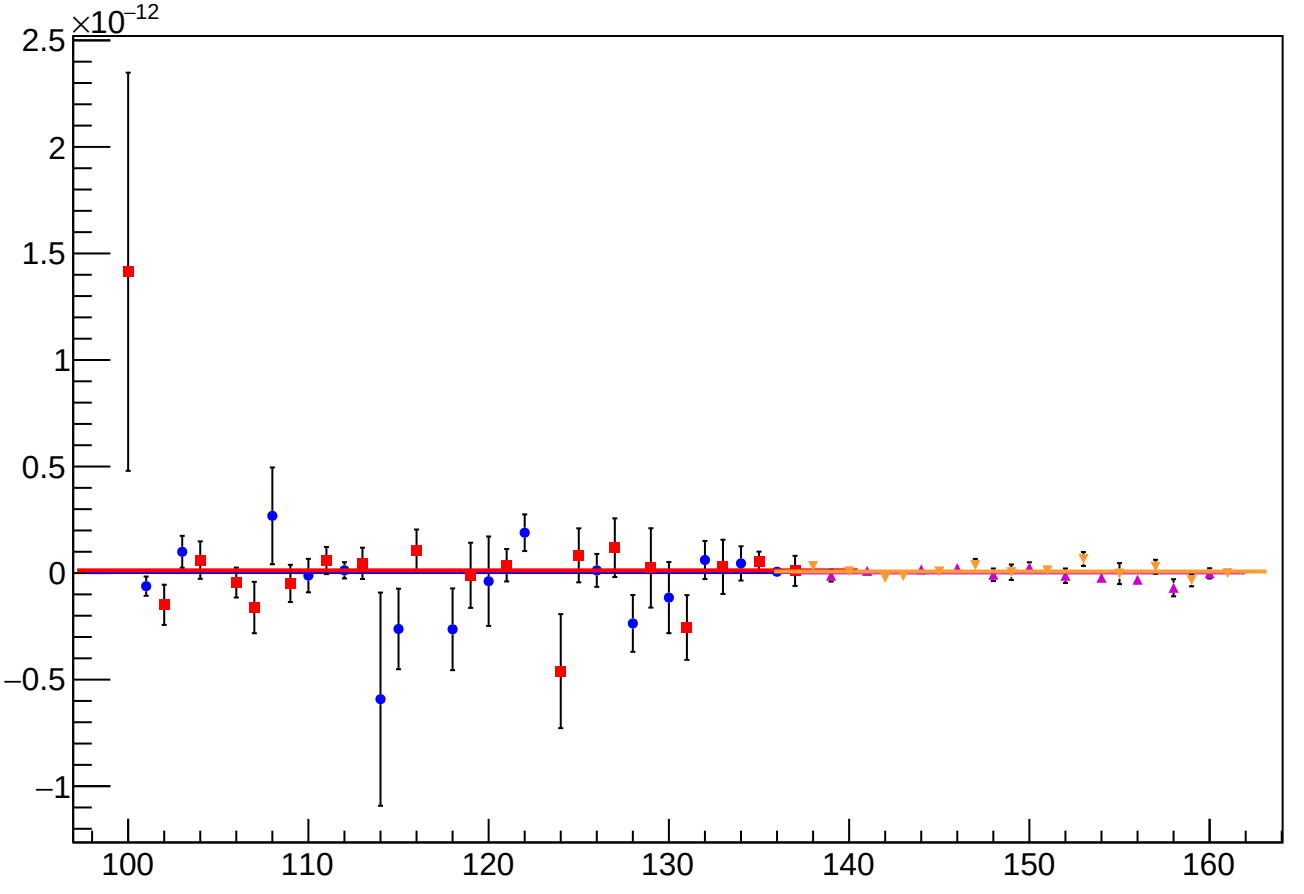
Left In: 628.213+/-0.149 χ^2/NDF:1013815.3/10

+ sign 726.066+/-0.129 χ^2/NDF: 3004530.1/28

All: 720.962+/-0.091 χ^2/NDF: 6191577.0/58

- sign 715.794+/-0.130 χ^2/NDF: 3183883.0/29

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/12

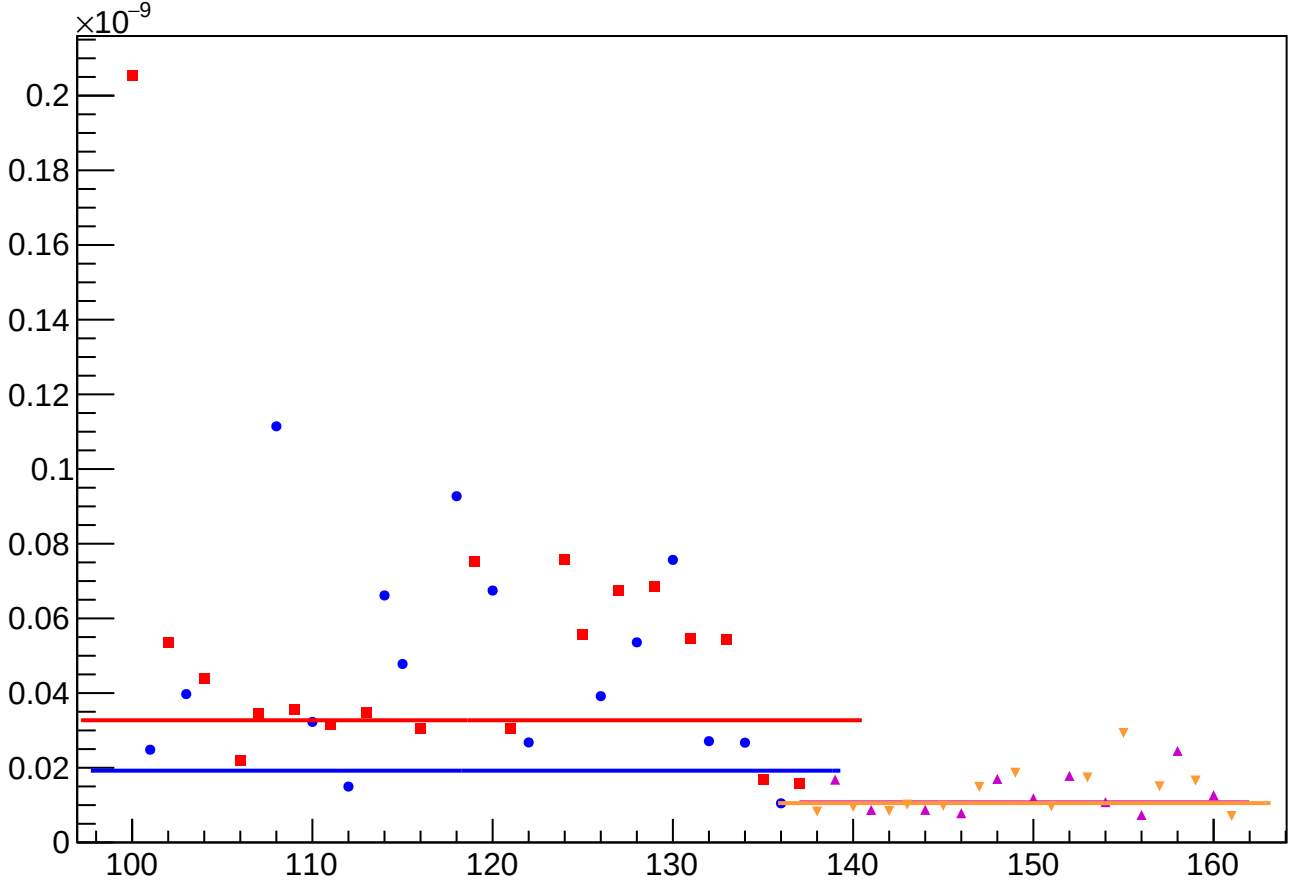
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 31.8/28

All: 0.000+/-0.000 χ^2/NDF: 61.7/58

- sign 0.000+/-0.000 χ^2/NDF: 29.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:819181.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

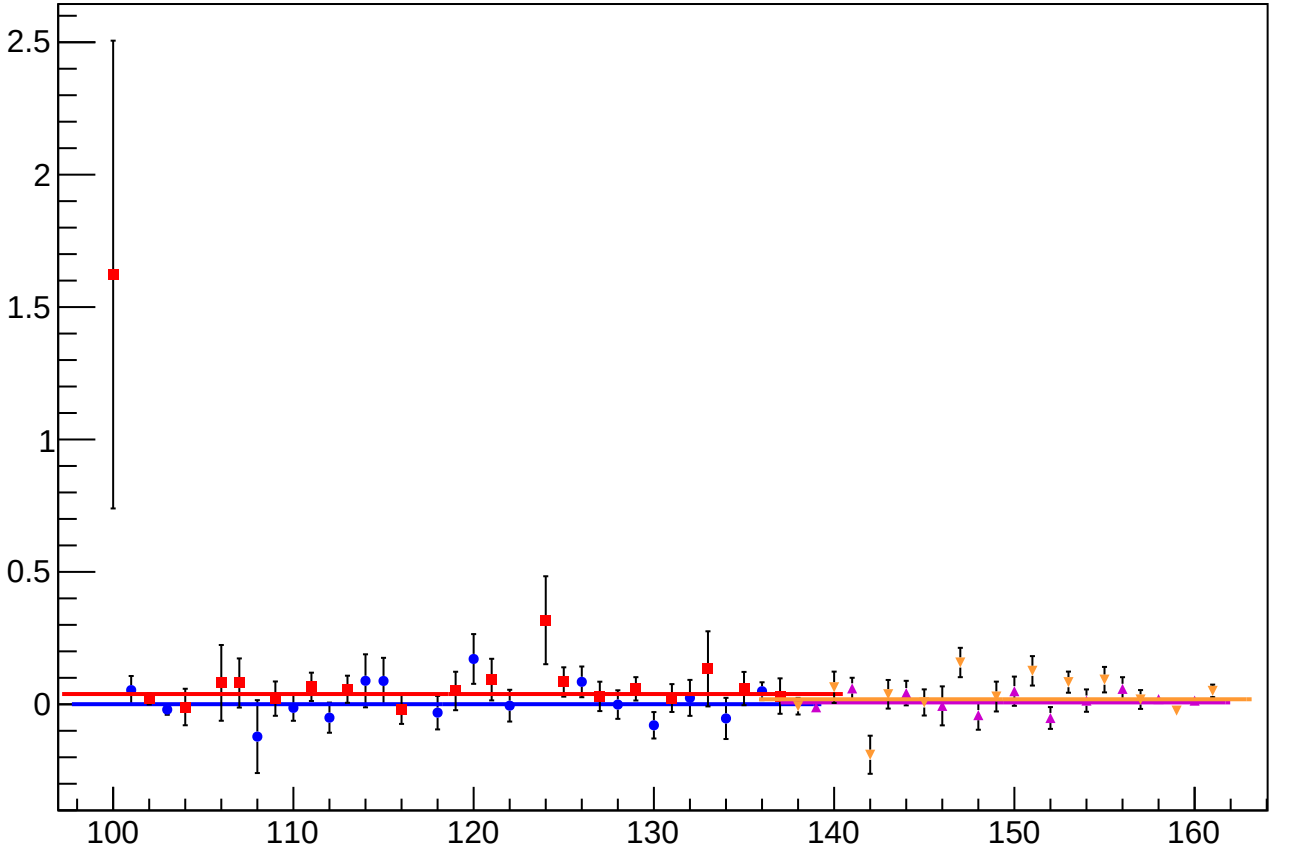
Left In: 0.000+/-0.000 χ^2/NDF:709487.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 3412012.9/28

All: 0.000+/-0.000 χ^2/NDF: 7369128.5/58

- sign 0.000+/-0.000 χ^2/NDF: 3935053.2/29

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: 0.019+/-0.010 χ^2/NDF:33.5/12

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

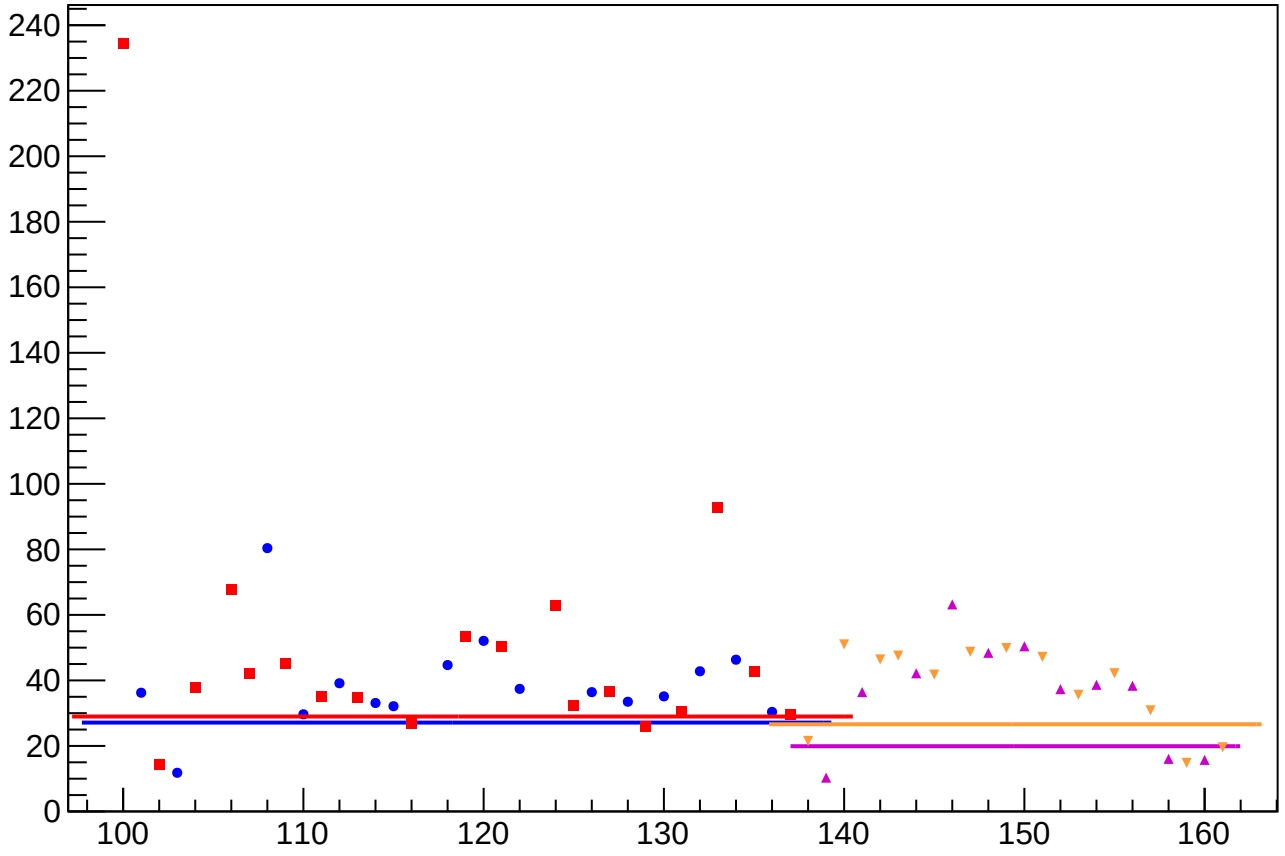
Left In: 0.007+/-0.008 χ^2/NDF:9.6/10

+ sign 0.012+/-0.008 χ^2/NDF: 51.5/28

All: 0.014+/-0.005 χ^2/NDF: 76.8/58

- sign 0.016+/-0.007 χ^2/NDF: 25.2/29

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: 26.608+/-0.007 χ^2/NDF:3506629.3/12

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

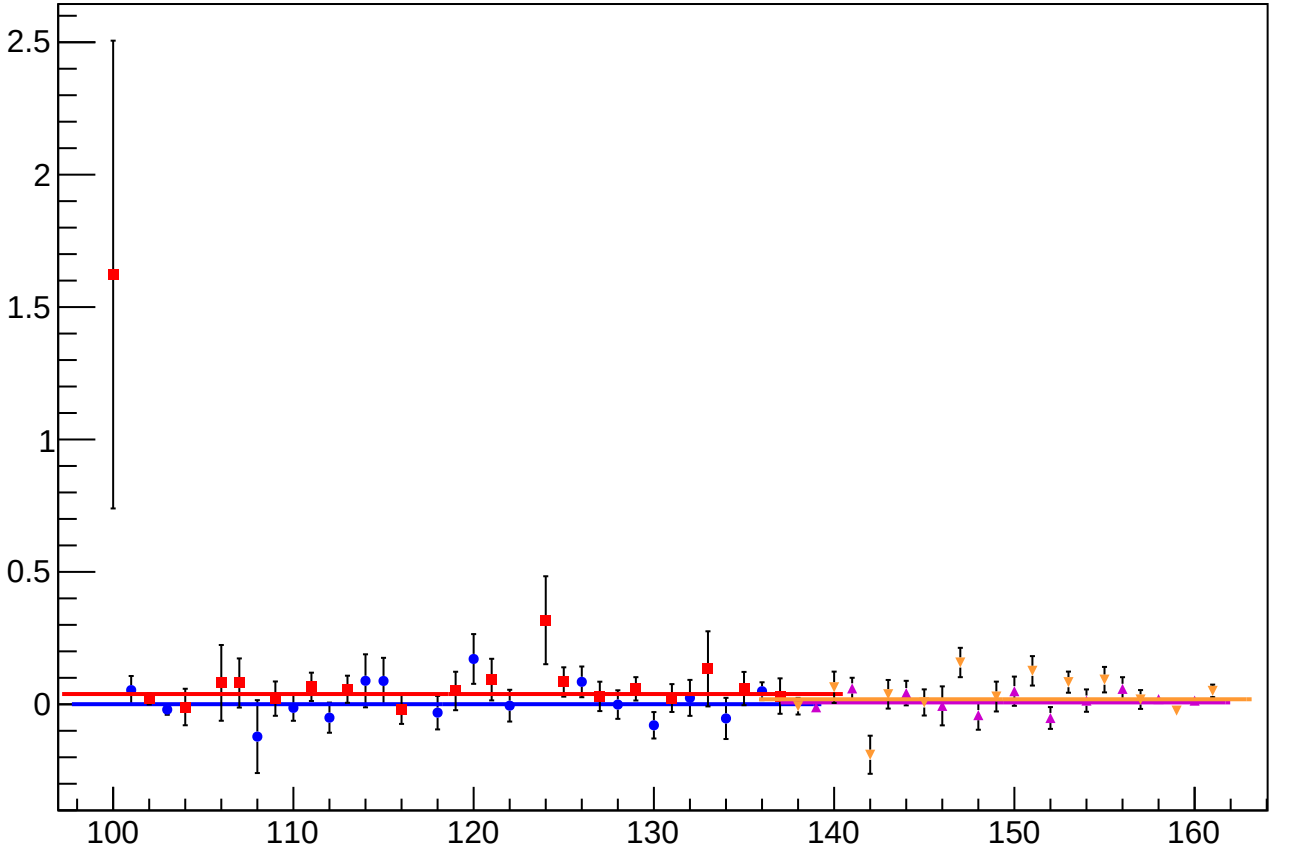
Left In: 19.915+/-0.006 χ^2/NDF:4964144.3/10

\+ sign 26.814+/-0.005 χ^2/NDF: 5924197.6/28

All: 24.443+/-0.004 χ^2/NDF: 14430249.4/58

\- sign 22.534+/-0.005 χ^2/NDF: 8152002.6/29

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: 0.019+/-0.010 χ^2/NDF:33.5/12

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

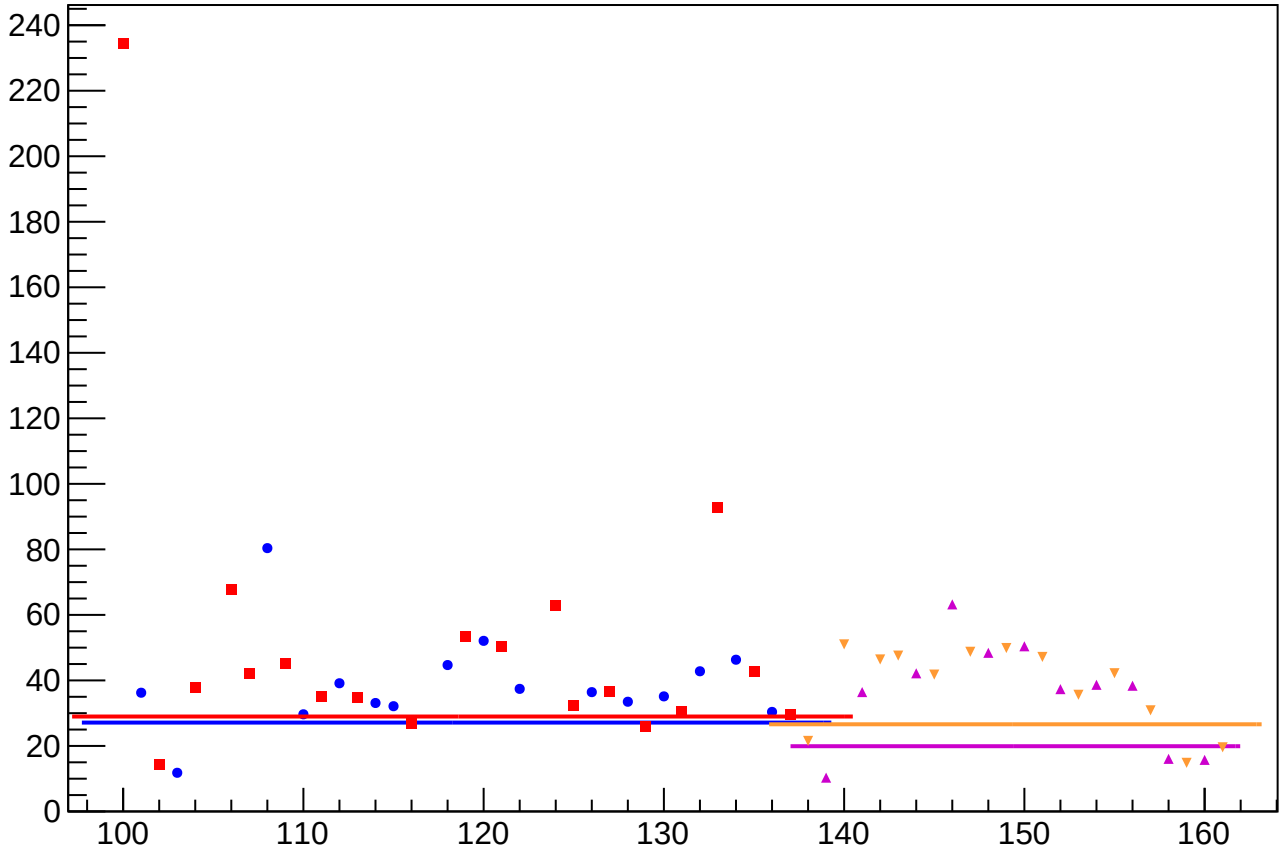
Left In: 0.007+/-0.008 χ^2/NDF:9.6/10

+ sign 0.012+/-0.008 χ^2/NDF: 51.5/28

All: 0.014+/-0.005 χ^2/NDF: 76.8/58

- sign 0.016+/-0.007 χ^2/NDF: 25.2/29

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 26.608+/-0.007 χ^2/NDF:3506629.3/12

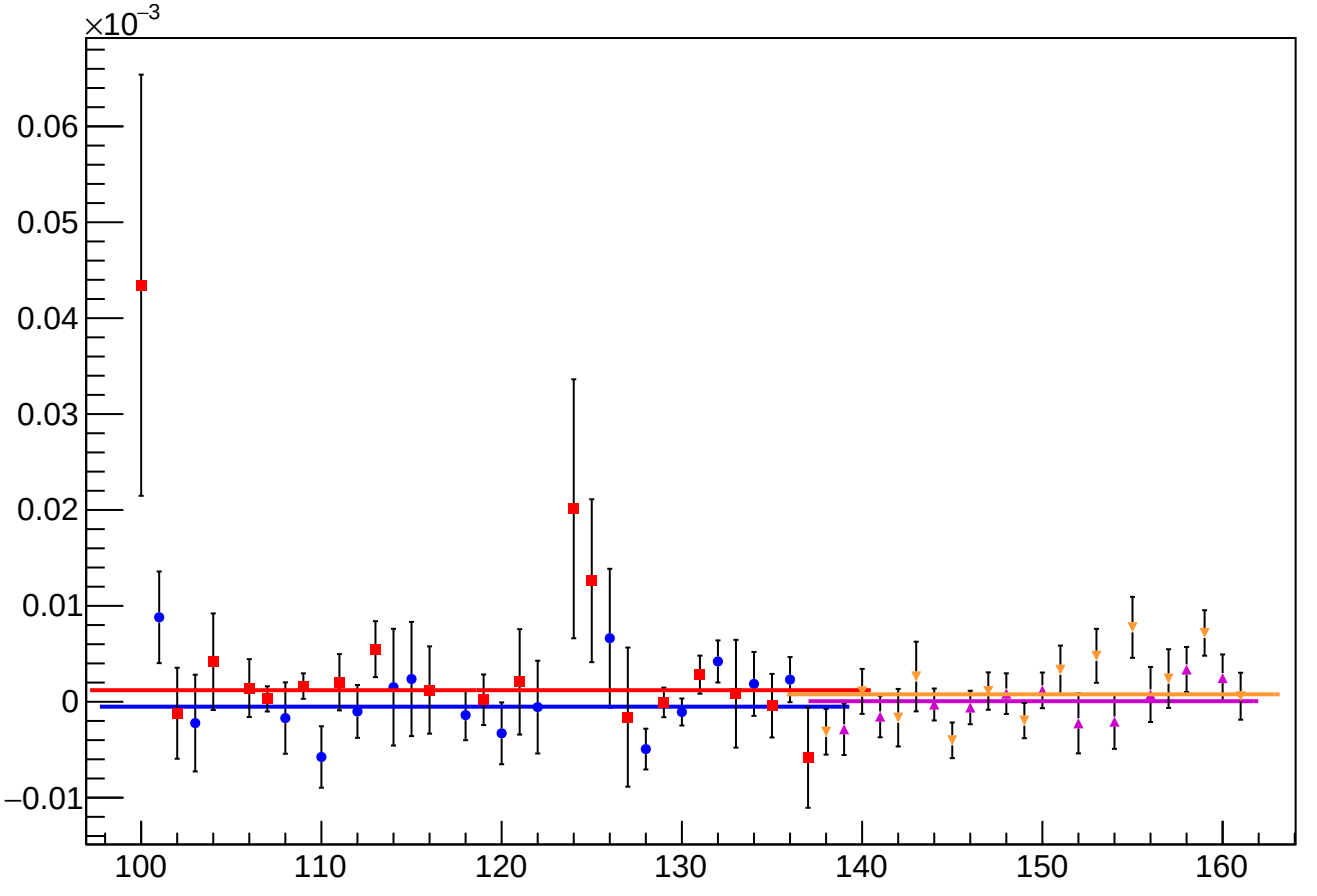
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 19.915+/-0.006 χ^2/NDF:4964144.3/10

\+ sign 26.814+/-0.005 χ^2/NDF: 5924197.6/28

All: 24.443+/-0.004 χ^2/NDF: 14430249.4/58

\- sign 22.534+/-0.005 χ^2/NDF: 8152002.6/29



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/12

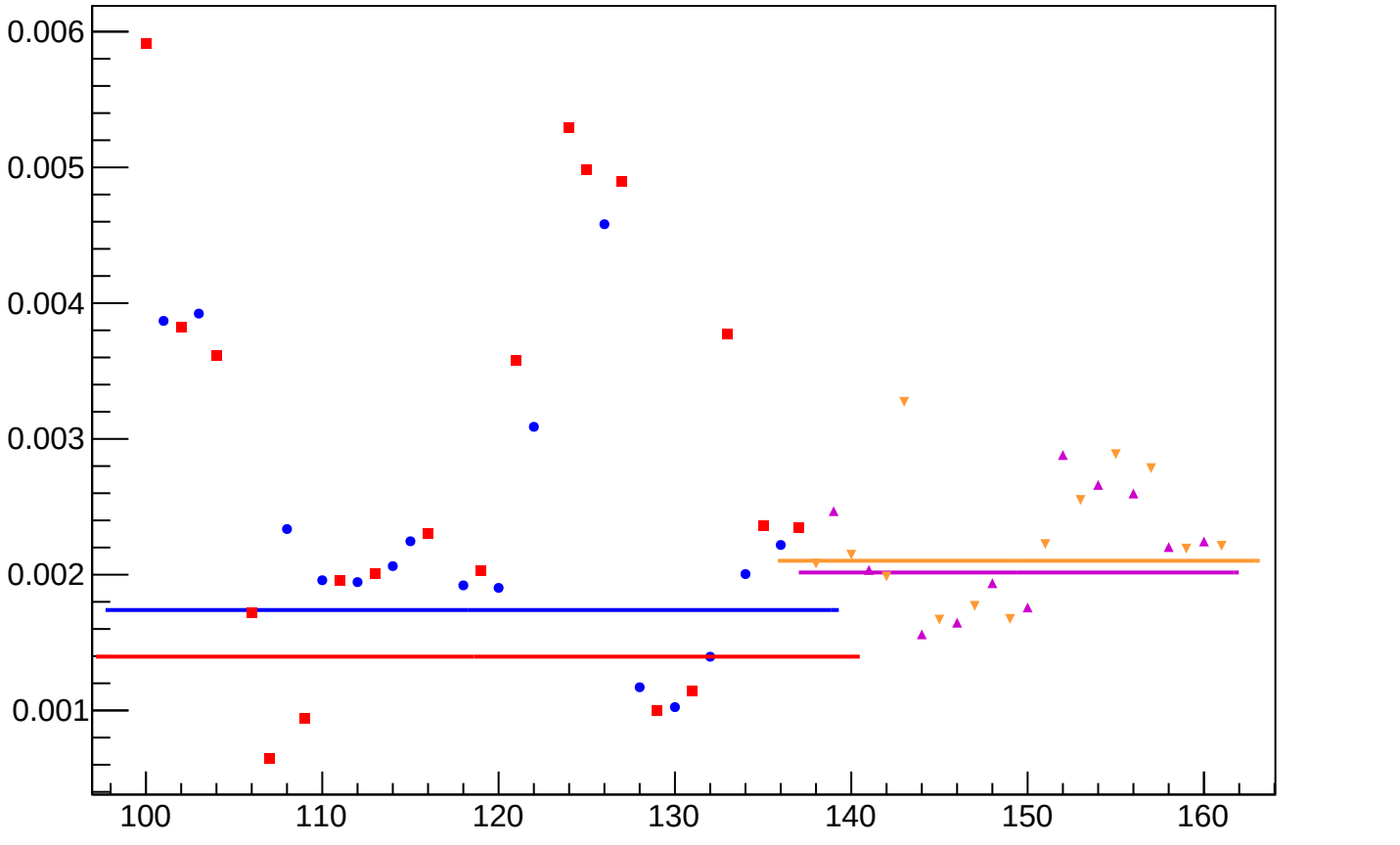
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 49.7/28

All: 0.000+/-0.000 χ^2/NDF: 73.0/58

- sign 0.000+/-0.000 χ^2/NDF: 22.8/29



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:771427.0/12

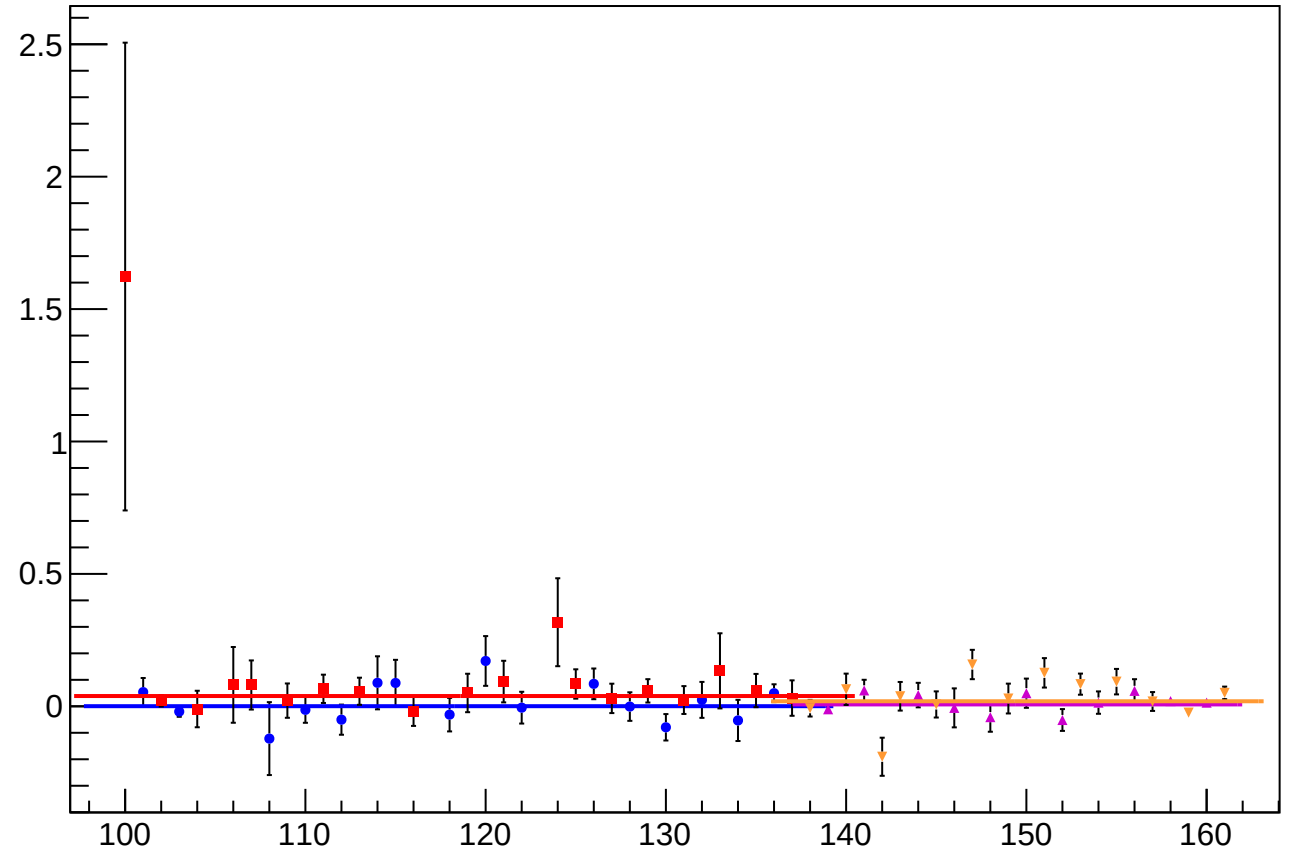
Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:704803.8/10

+ sign 0.002+/-0.000 χ^2/NDF: 3191873.4/28

All: 0.002+/-0.000 χ^2/NDF: 9448844.8/58

- sign 0.002+/-0.000 χ^2/NDF: 5965415.8/29



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.019+/-0.010 χ^2/NDF:33.5/12

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

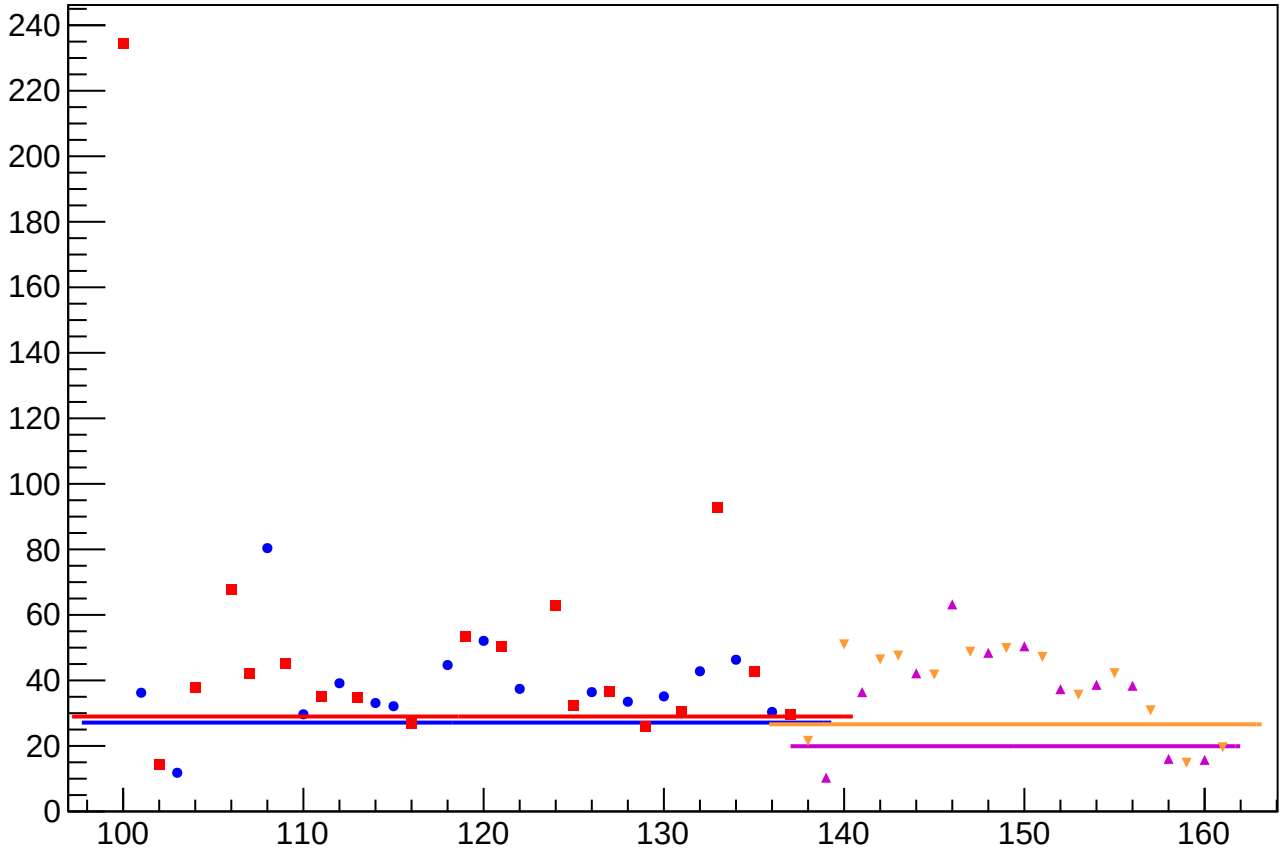
Left In: 0.007+/-0.008 χ^2/NDF:9.6/10

+ sign 0.012+/-0.008 χ^2/NDF: 51.5/28

All: 0.014+/-0.005 χ^2/NDF: 76.8/58

- sign 0.016+/-0.007 χ^2/NDF: 25.2/29

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: 26.608+/-0.007 χ^2/NDF:3507036.4/12

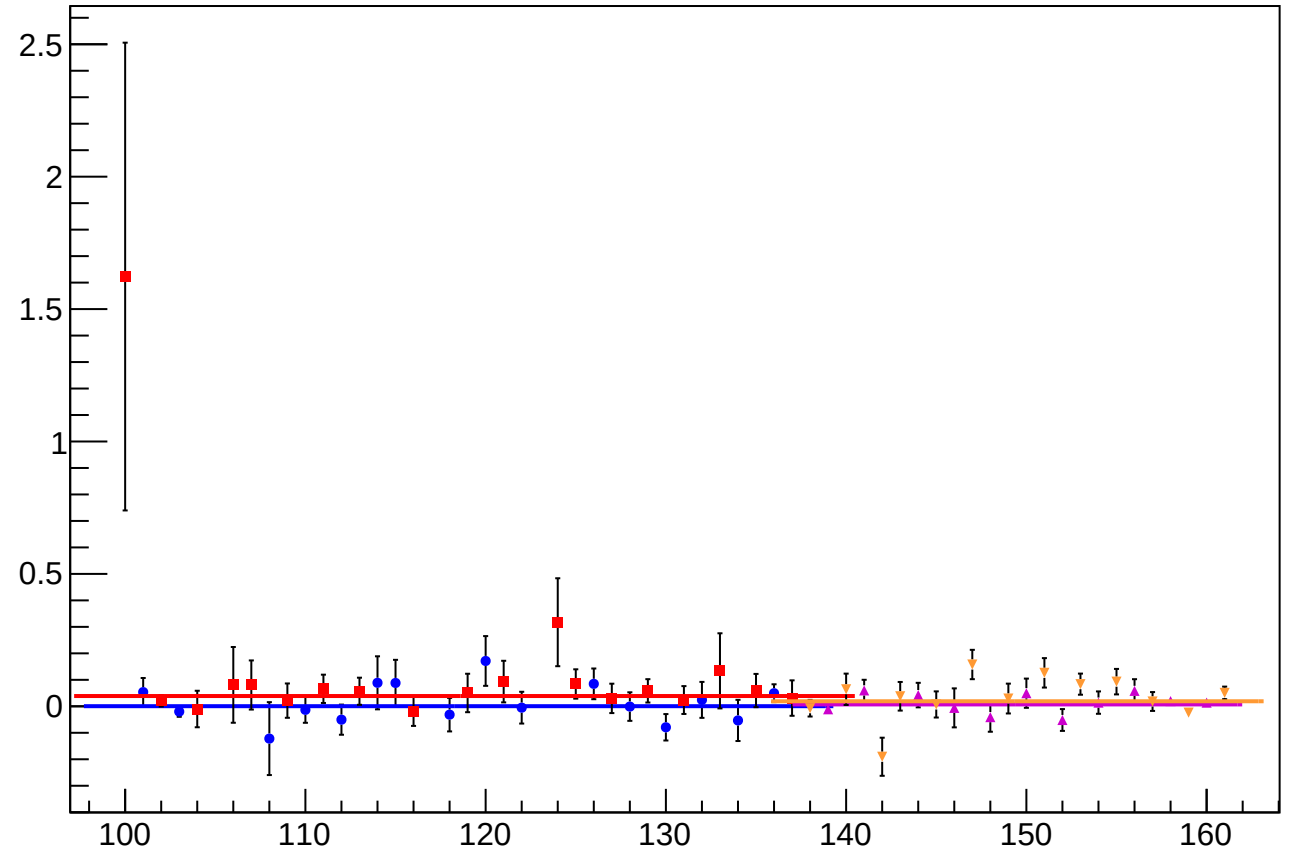
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 19.914+/-0.006 χ^2/NDF:4964784.6/10

\+ sign 26.813+/-0.005 χ^2/NDF: 5924940.6/28

All: 24.442+/-0.004 χ^2/NDF: 14431634.0/58

\- sign 22.534+/-0.005 χ^2/NDF: 8152663.1/29



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.019+/-0.010 χ^2/NDF:33.5/12

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

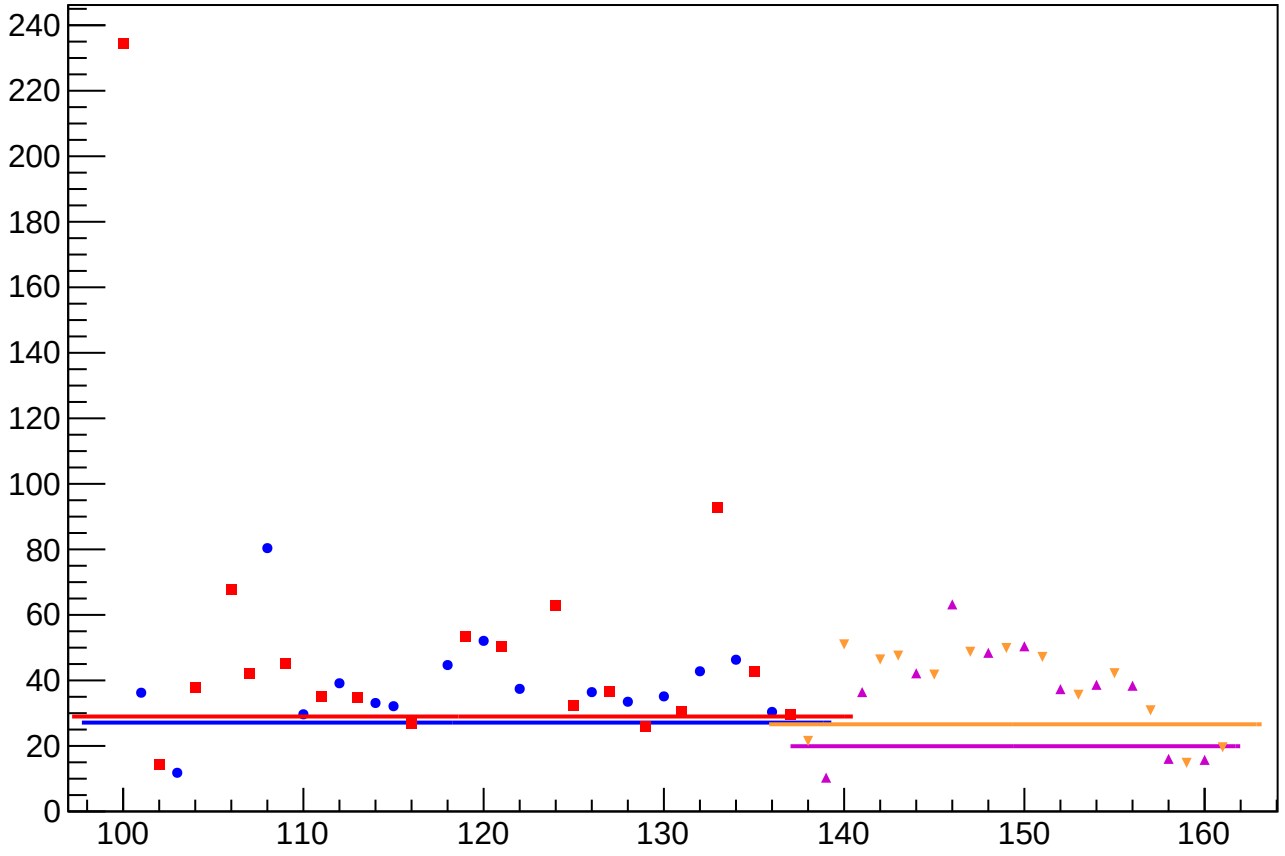
Left In: 0.007+/-0.008 χ^2/NDF:9.6/10

+ sign 0.012+/-0.008 χ^2/NDF: 51.5/28

All: 0.014+/-0.005 χ^2/NDF: 76.8/58

- sign 0.016+/-0.007 χ^2/NDF: 25.2/29

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 26.608+/-0.007 χ^2/NDF:3507036.4/12

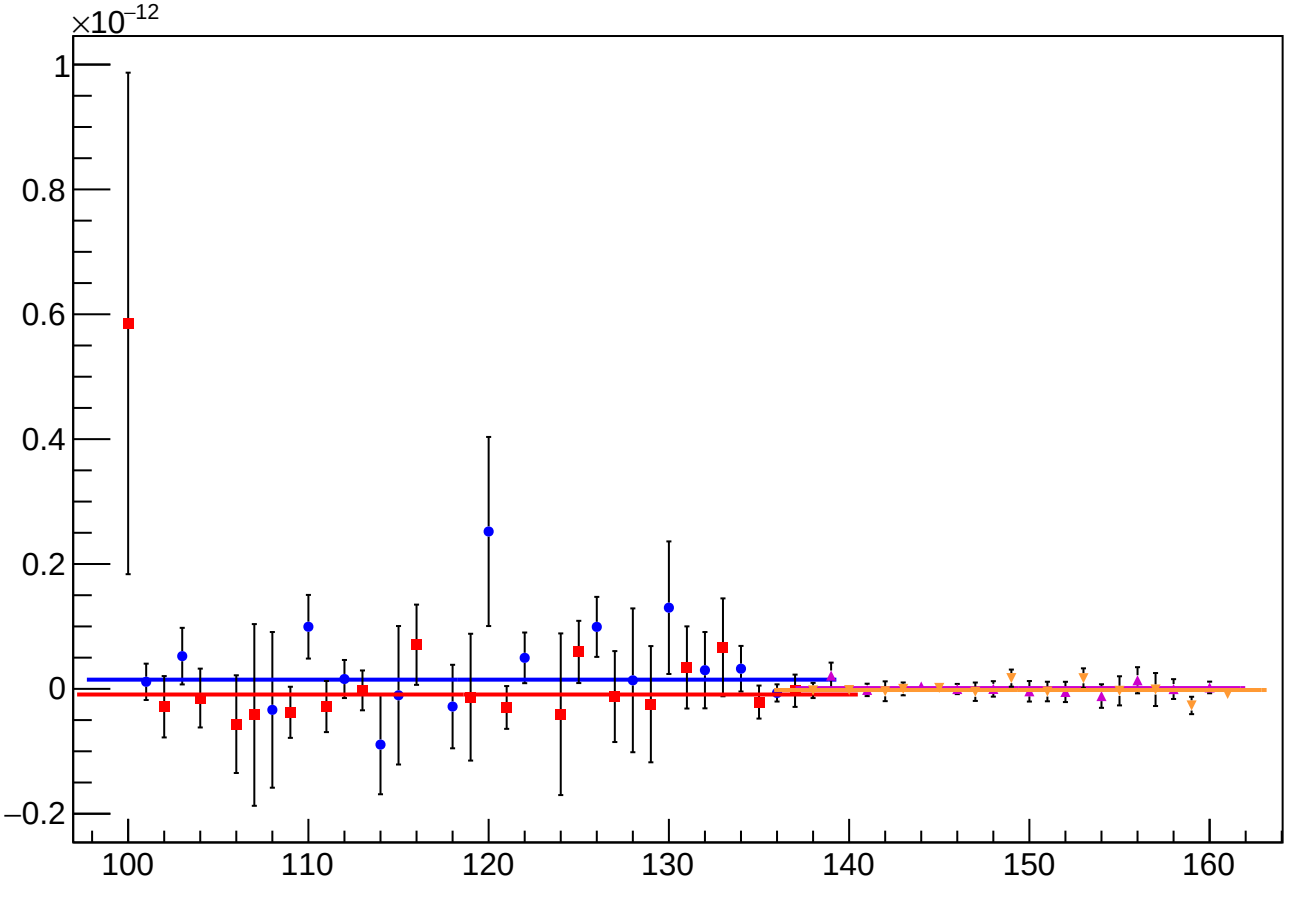
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 19.914+/-0.006 χ^2/NDF:4964784.6/10

+ sign 26.813+/-0.005 χ^2/NDF: 5924940.6/28

All: 24.442+/-0.004 χ^2/NDF: 14431634.0/58

- sign 22.534+/-0.005 χ^2/NDF: 8152663.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/12

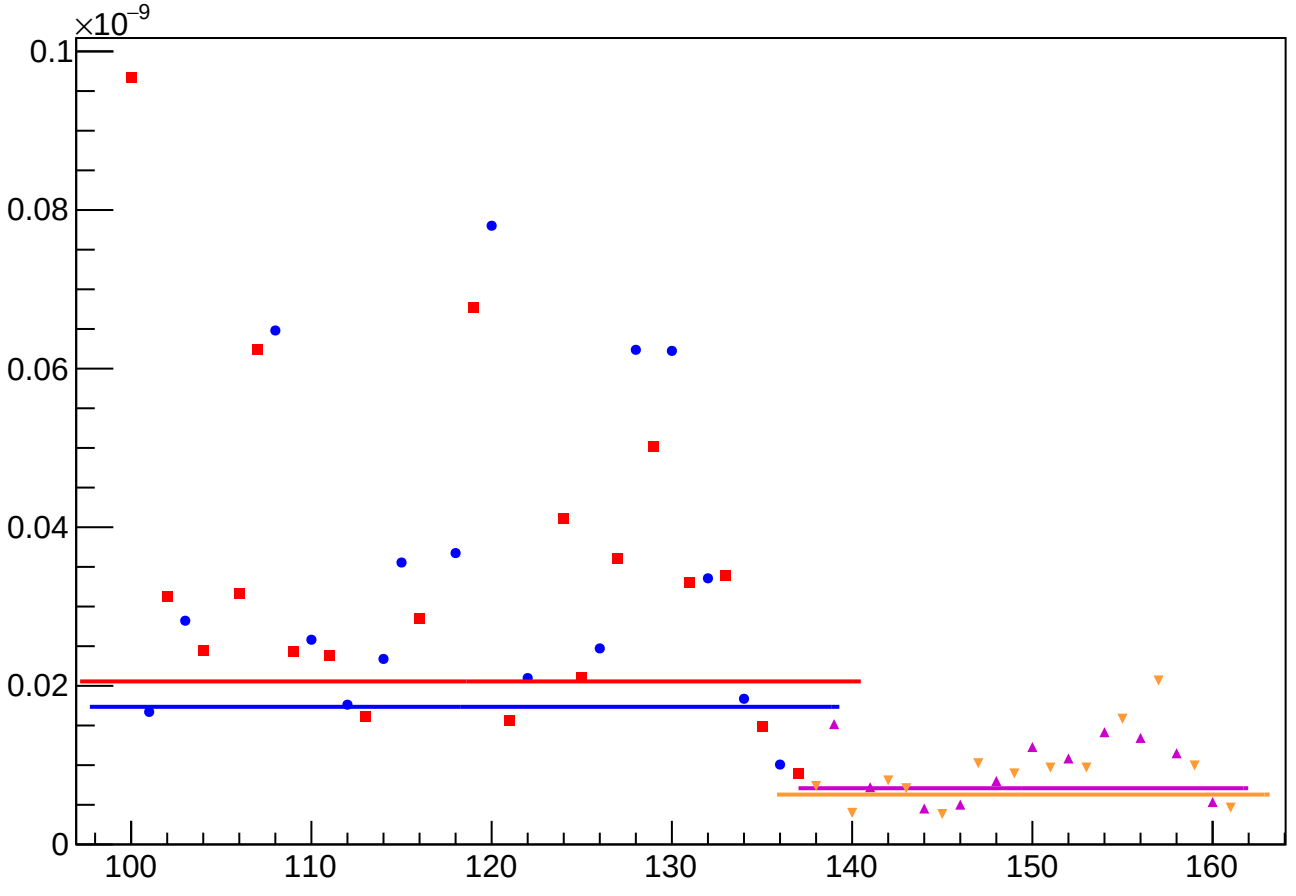
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/10

+ sign -0.000+/-0.000 χ^2/NDF: 26.3/28

All: -0.000+/-0.000 χ^2/NDF: 38.5/58

- sign 0.000+/-0.000 χ^2/NDF: 12.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2147990.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

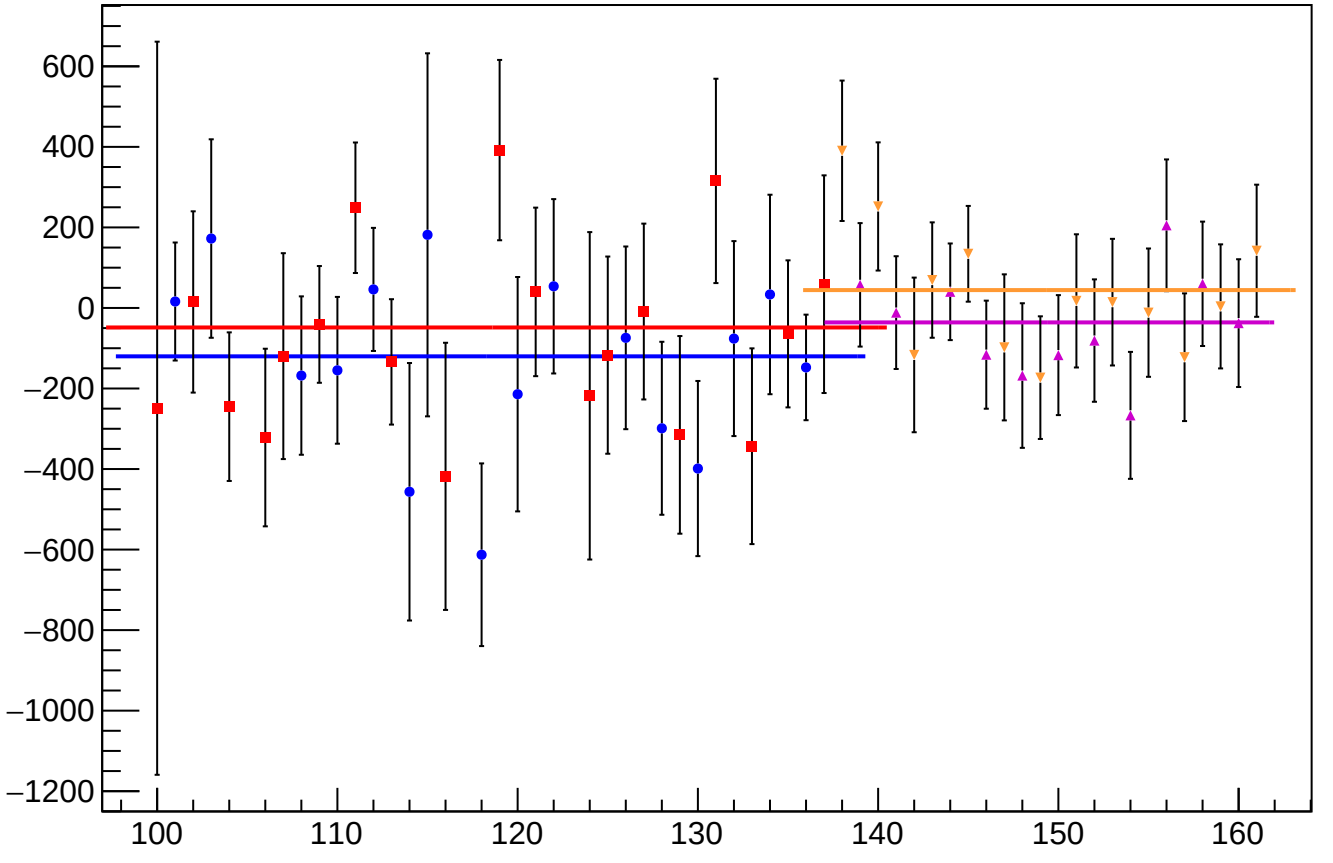
Left In: 0.000+/-0.000 χ^2/NDF:1743498.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 7077784.5/28

All: 0.000+/-0.000 χ^2/NDF: 13666691.0/58

- sign 0.000+/-0.000 χ^2/NDF: 6483602.3/29

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 44.361+/-43.522 χ^2/NDF:11.3/12

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

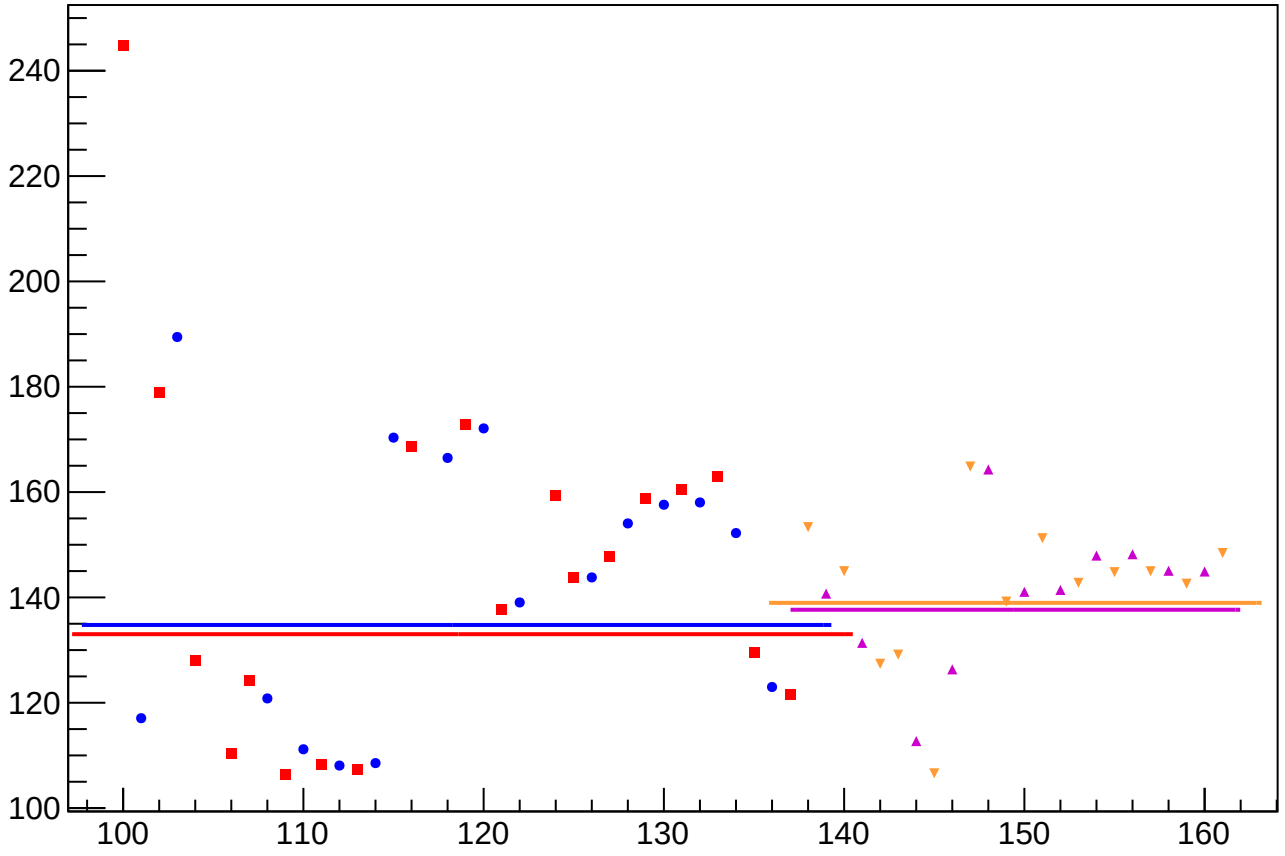
Left In: -35.891+/-44.847 χ^2/NDF:6.8/10

+ sign -24.801+/-33.134 χ^2/NDF: 30.7/28

All: -33.095+/-23.508 χ^2/NDF: 54.7/58

- sign -41.501+/-33.358 χ^2/NDF: 23.8/29

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 138.967+/-0.031 χ^2/NDF:247620.1/12

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

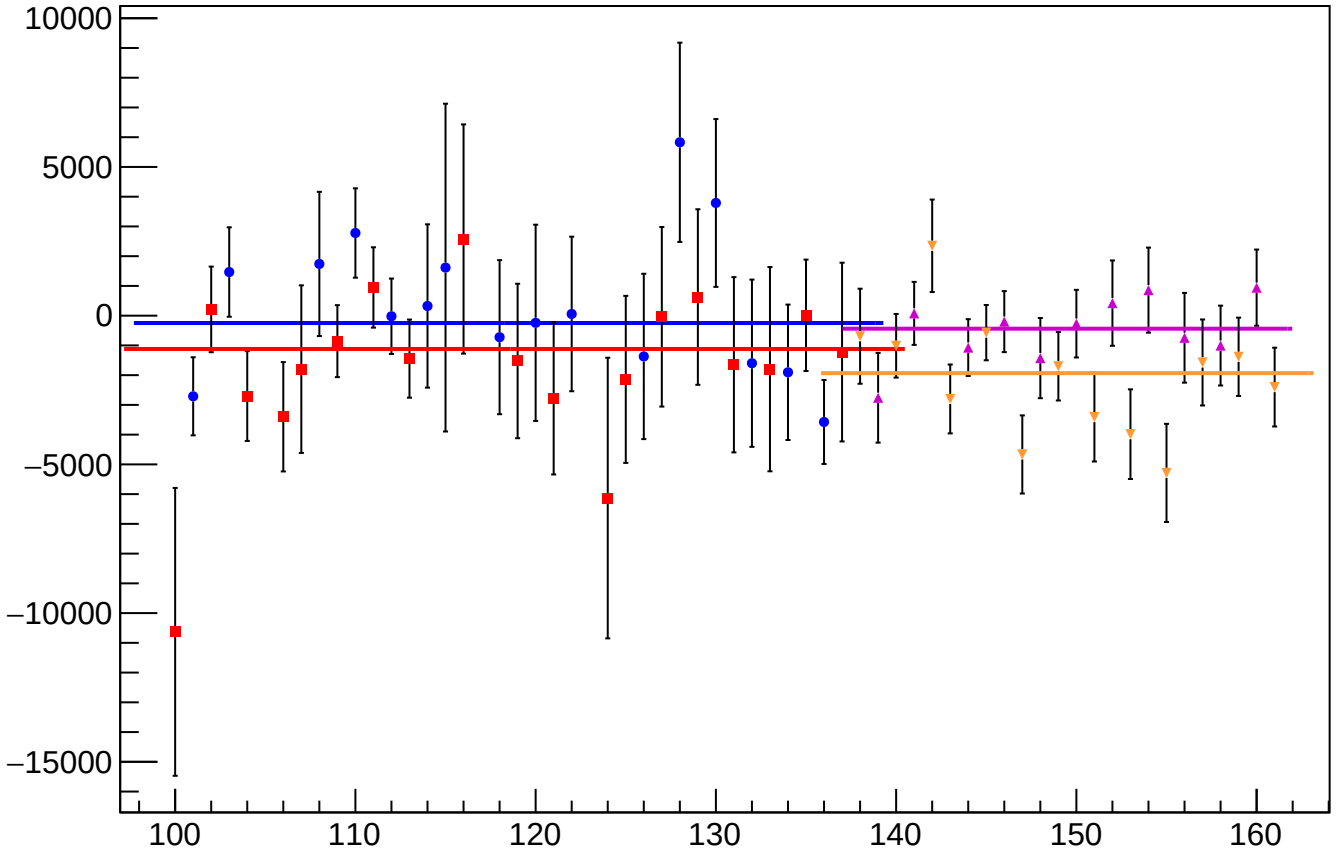
Left In: 137.657+/-0.032 χ^2/NDF:177302.3/10

\+ sign 137.203+/-0.023 χ^2/NDF: 672214.3/28

All: 136.400+/-0.017 χ^2/NDF: 1357156.7/58

\- sign 135.585+/-0.024 χ^2/NDF: 682574.4/29

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1931.960+/-358.090 χ^2/NDF:23.3/12

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

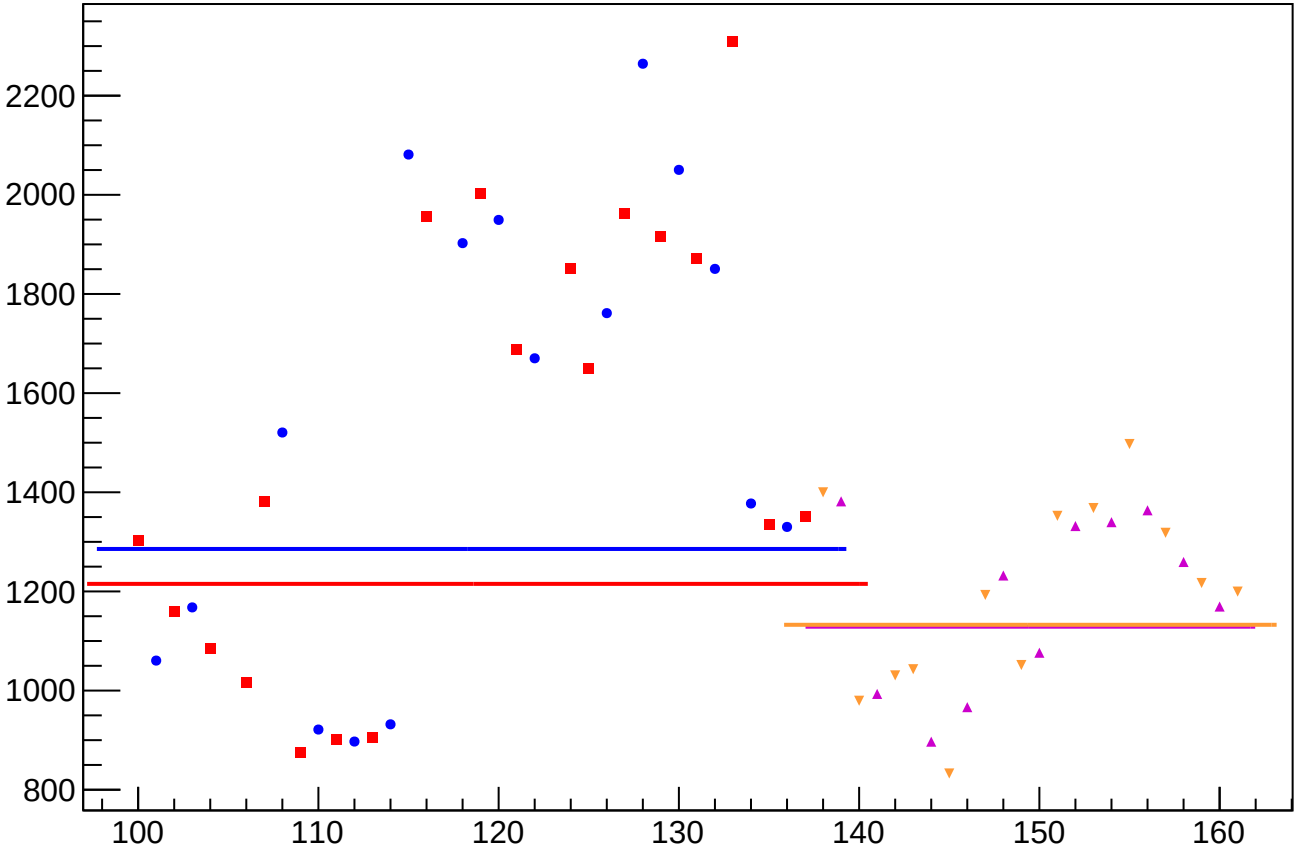
Left In: -437.974+/-370.625 χ^2/NDF:6.2/10

+ sign -1362.631+/-291.407 χ^2/NDF: 52.4/28

All: -1030.624+/-205.786 χ^2/NDF: 75.9/58

- sign -700.350+/-290.645 χ^2/NDF: 20.9/29

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1132.712+/-0.253 χ^2/NDF:576013.9/12

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

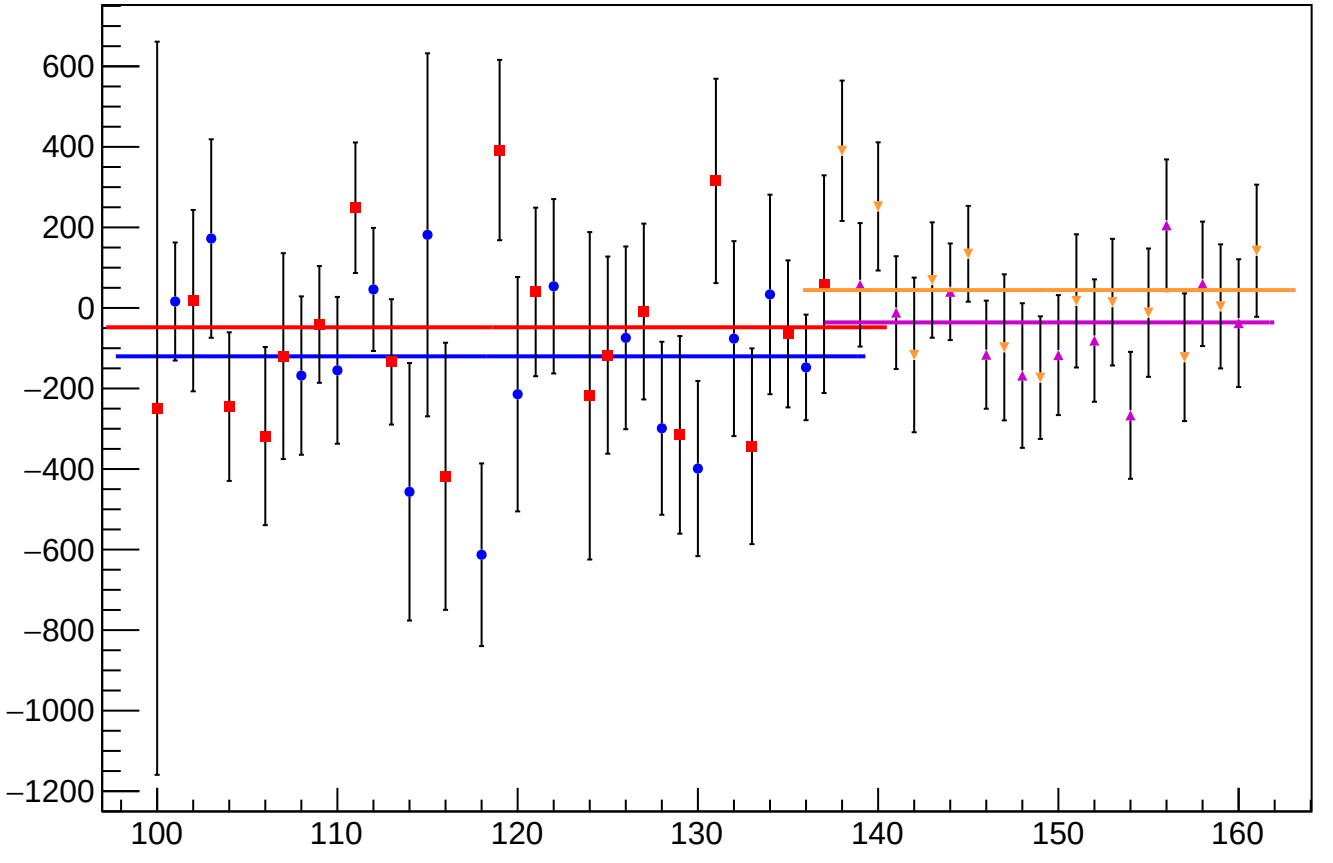
Left In: 1128.861+/-0.262 χ^2/NDF:425858.3/10

+ sign 1184.374+/-0.206 χ^2/NDF: 1869701.5/28

All: 1173.217+/-0.146 χ^2/NDF: 3729523.6/58

- sign 1162.118+/-0.206 χ^2/NDF: 1853973.7/29

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 44.363+/-43.522 χ^2/NDF:11.3/12

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

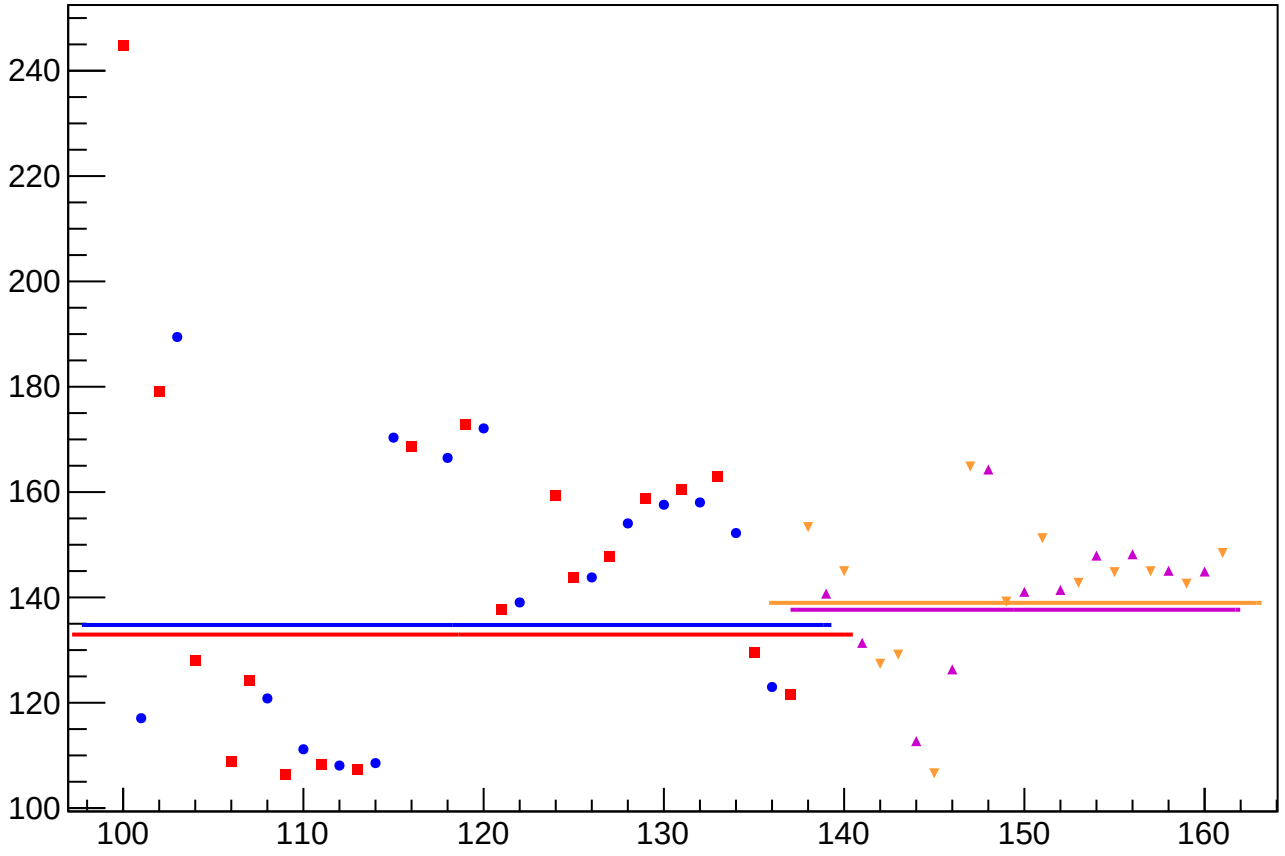
Left In: -35.896+/-44.847 χ^2/NDF:6.8/10

+ sign -24.805+/-33.134 χ^2/NDF: 30.7/28

All: -33.000+/-23.509 χ^2/NDF: 54.6/58

- sign -41.308+/-33.361 χ^2/NDF: 23.8/29

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.967+/-0.031 χ^2/NDF:247620.1/12

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

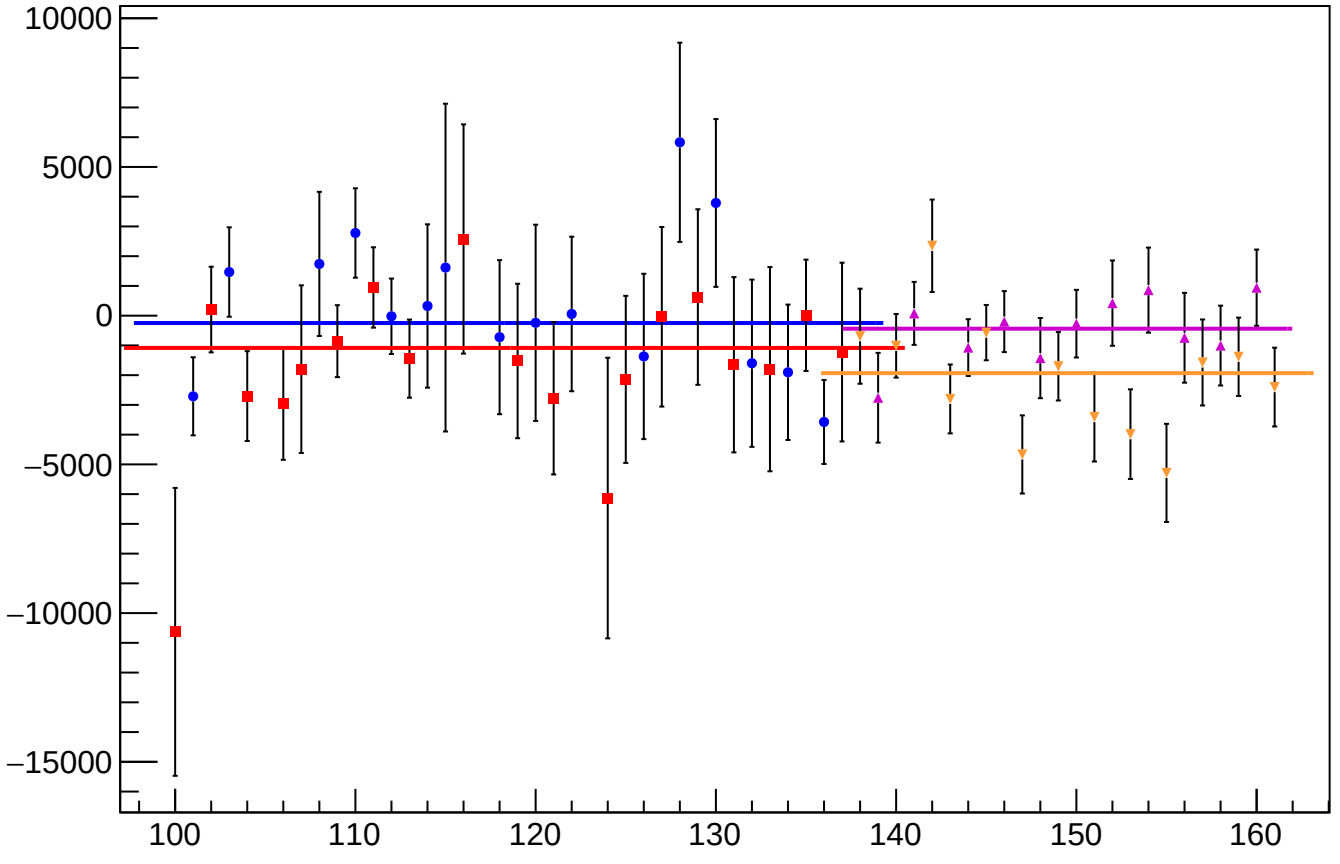
Left In: 137.657+/-0.032 χ^2/NDF:177302.3/10

\+ sign 137.203+/-0.023 χ^2/NDF: 672217.2/28

All: 136.384+/-0.017 χ^2/NDF: 1360686.0/58

\- sign 135.553+/-0.024 χ^2/NDF: 686006.5/29

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1931.958+/-358.090 χ^2/NDF:23.3/12

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

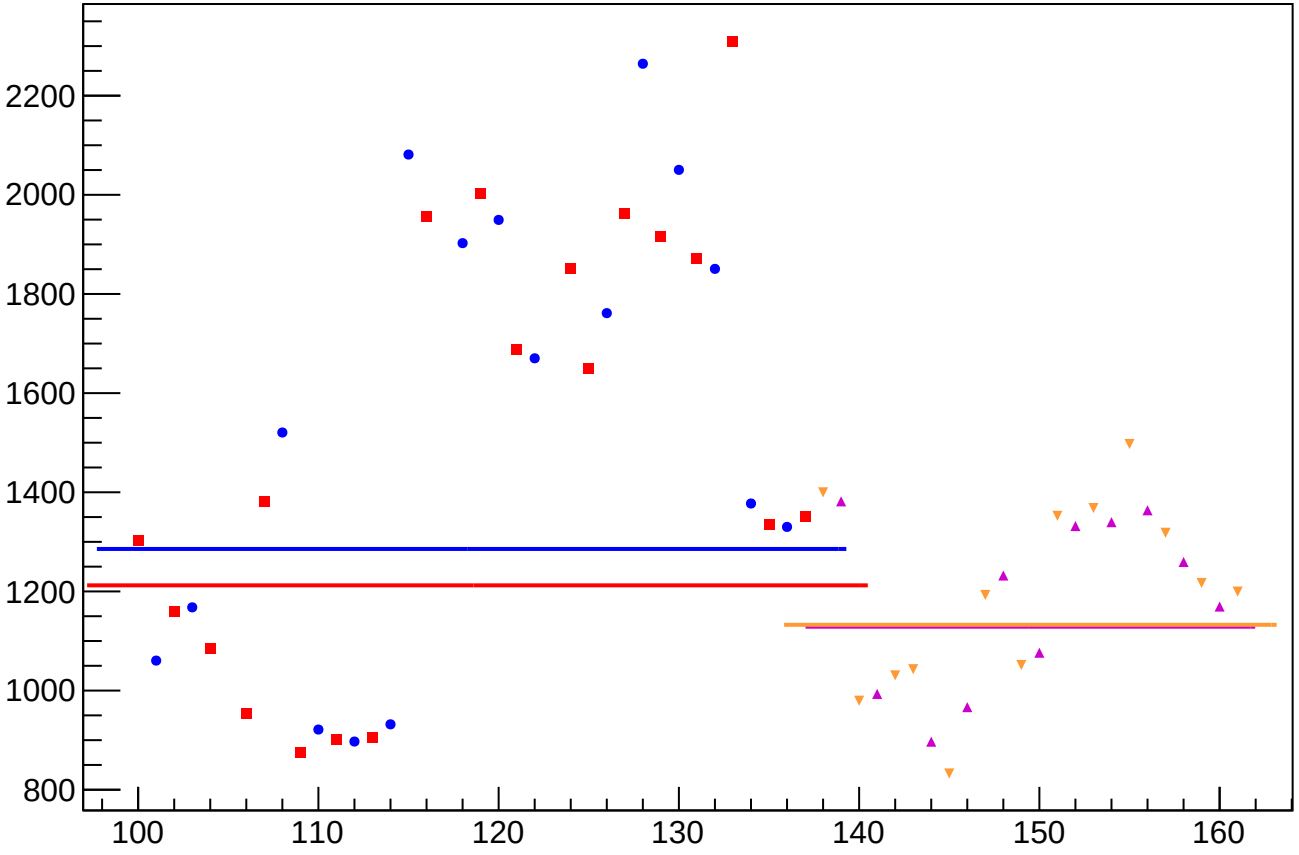
Left In: -437.986+/-370.625 χ^2/NDF:6.2/10

+ sign -1362.661+/-291.408 χ^2/NDF: 52.4/28

All: -1023.777+/-205.864 χ^2/NDF: 75.3/58

- sign -686.153+/-290.865 χ^2/NDF: 20.2/29

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1132.712+/-0.253 χ^2/NDF:576016.7/12

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

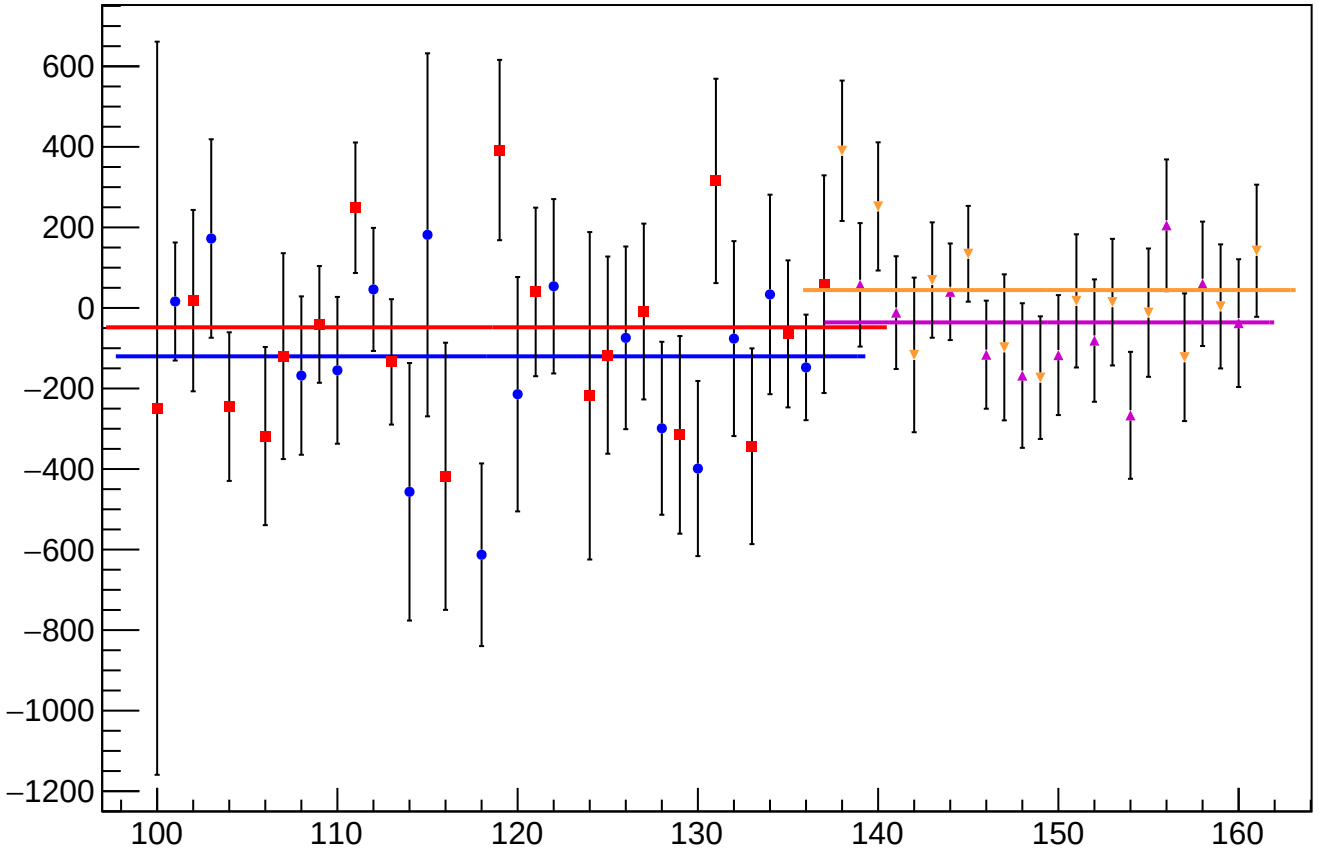
Left In: 1128.861+/-0.262 χ^2/NDF:425855.7/10

+ sign 1184.378+/-0.206 χ^2/NDF: 1869699.9/28

All: 1172.617+/-0.146 χ^2/NDF: 3741605.7/58

- sign 1160.900+/-0.206 χ^2/NDF: 1865402.7/29

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 44.363+/-43.522 χ^2/NDF:11.3/12

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

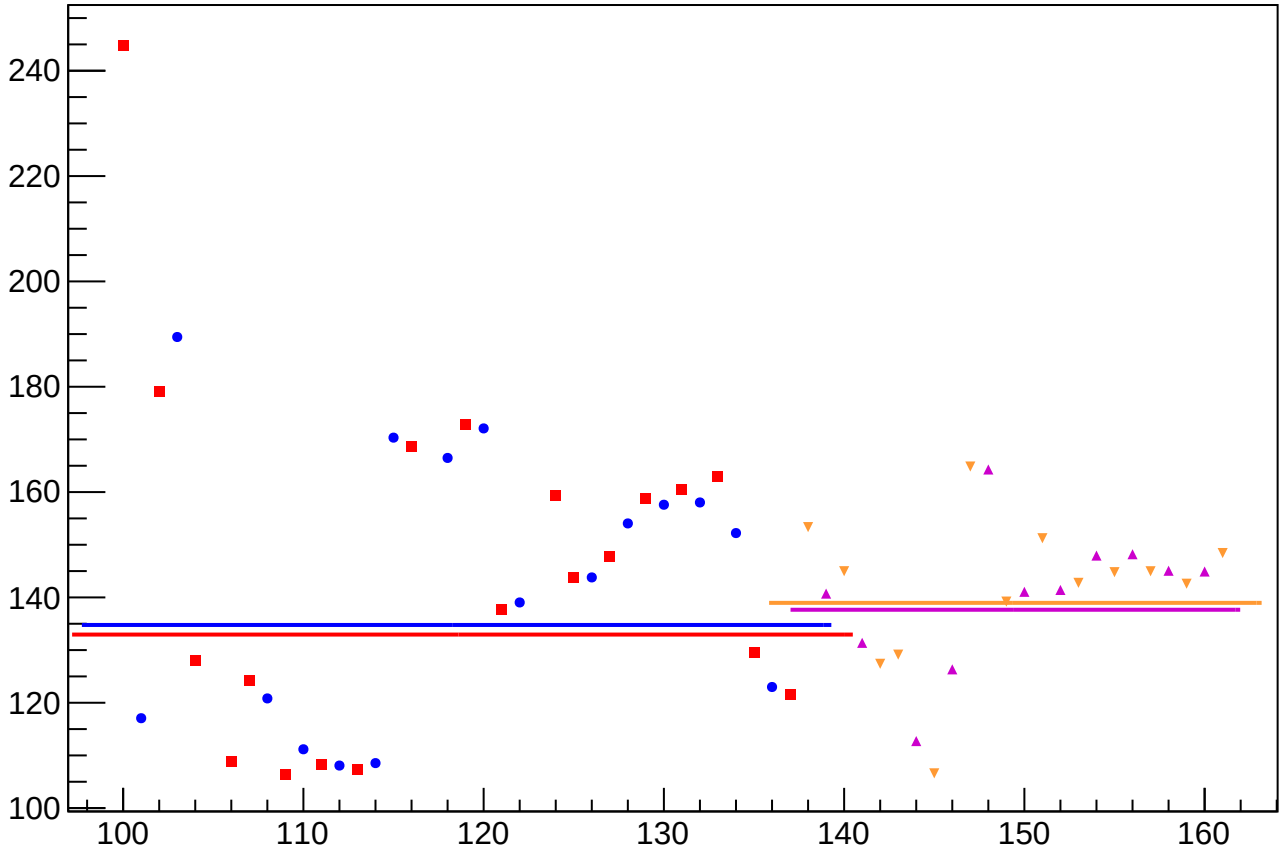
Left In: -35.896+/-44.847 χ^2/NDF:6.8/10

+ sign -24.805+/-33.134 χ^2/NDF: 30.7/28

All: -33.000+/-23.509 χ^2/NDF: 54.6/58

- sign -41.308+/-33.361 χ^2/NDF: 23.8/29

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.967+/-0.031 χ^2/NDF:247620.1/12

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

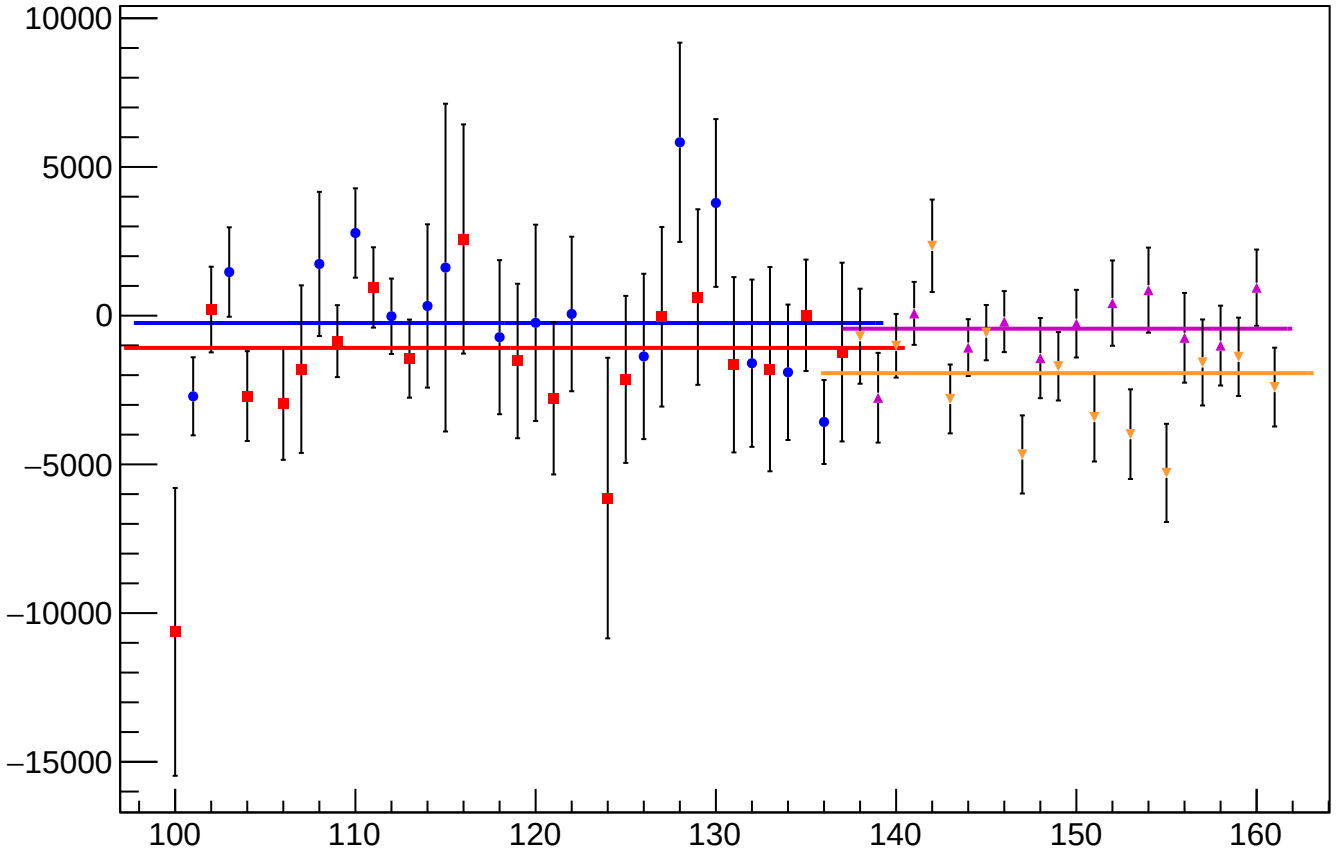
Left In: 137.657+/-0.032 χ^2/NDF:177302.3/10

\+ sign 137.203+/-0.023 χ^2/NDF: 672217.2/28

All: 136.384+/-0.017 χ^2/NDF: 1360686.0/58

\- sign 135.553+/-0.024 χ^2/NDF: 686006.5/29

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1931.958+/-358.090 χ^2/NDF:23.3/12

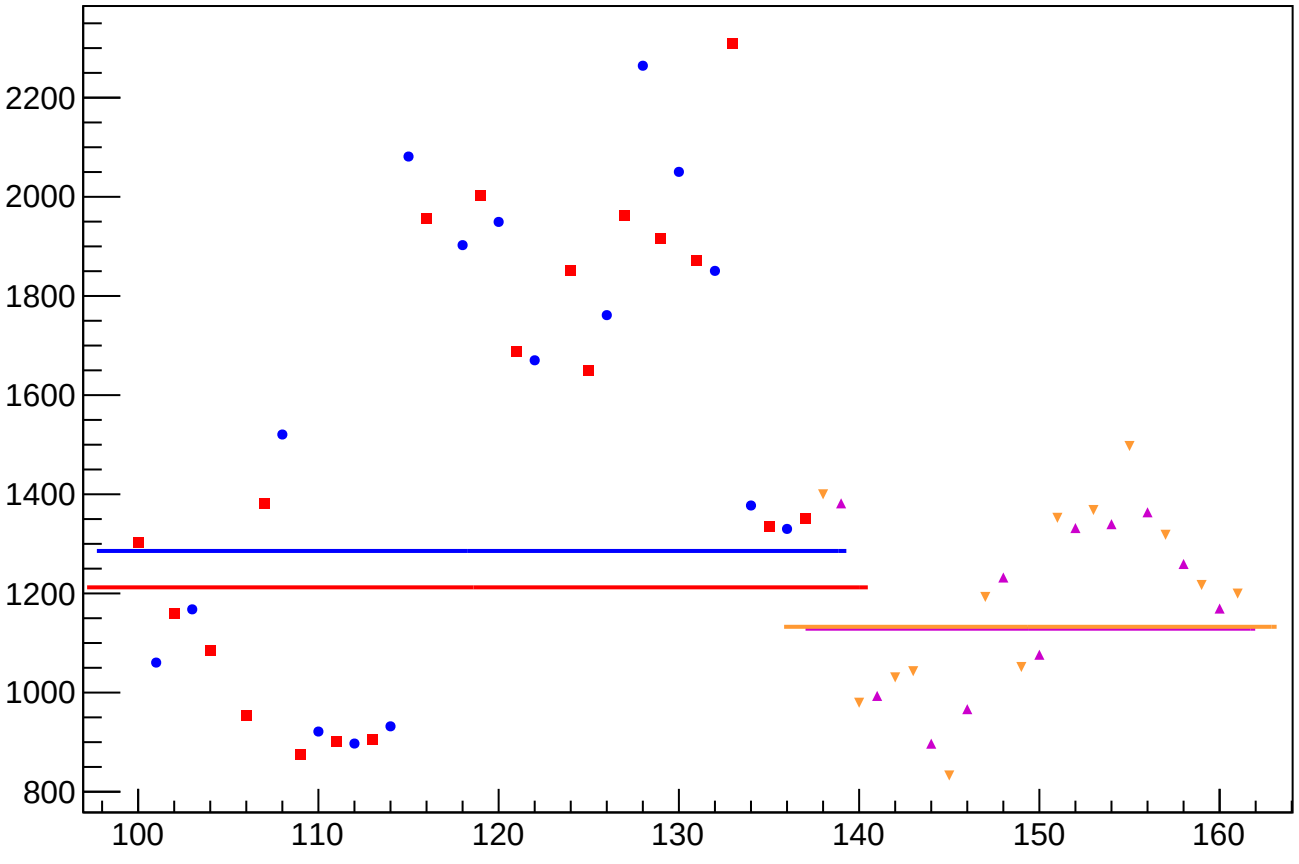
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -437.986+/-370.625 χ^2/NDF:6.2/10

+ sign -1362.661+/-291.408 χ^2/NDF: 52.4/28

All: -1023.777+/-205.864 χ^2/NDF: 75.3/58

- sign -686.153+/-290.865 χ^2/NDF: 20.2/29



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1132.712+/-0.253 χ^2/NDF:576016.7/12

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

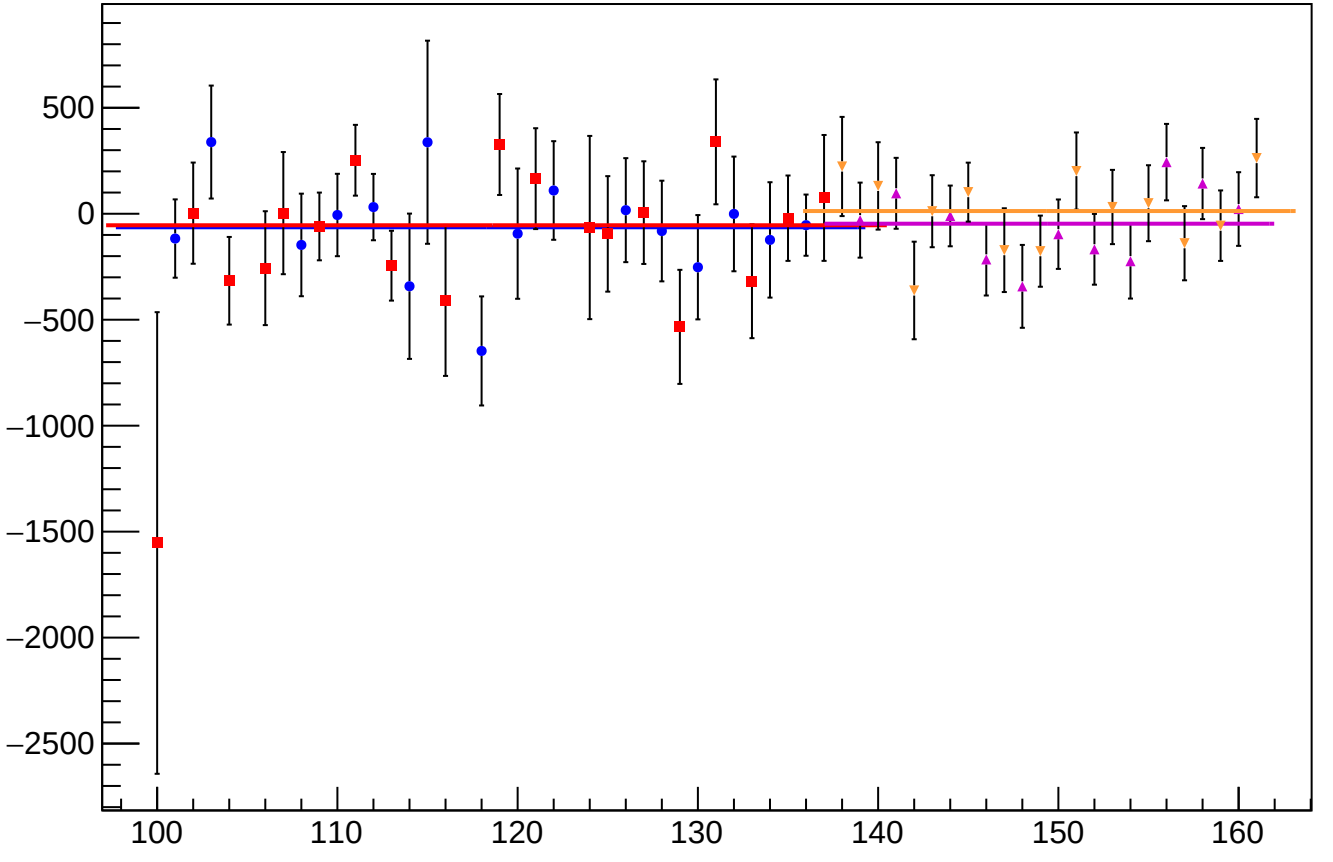
Left In: 1128.861+/-0.262 χ^2/NDF:425855.7/10

+ sign 1184.378+/-0.206 χ^2/NDF: 1869699.9/28

All: 1172.617+/-0.146 χ^2/NDF: 3741605.7/58

- sign 1160.900+/-0.206 χ^2/NDF: 1865402.7/29

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 12.786+/-50.002 χ^2/NDF:10.2/12

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

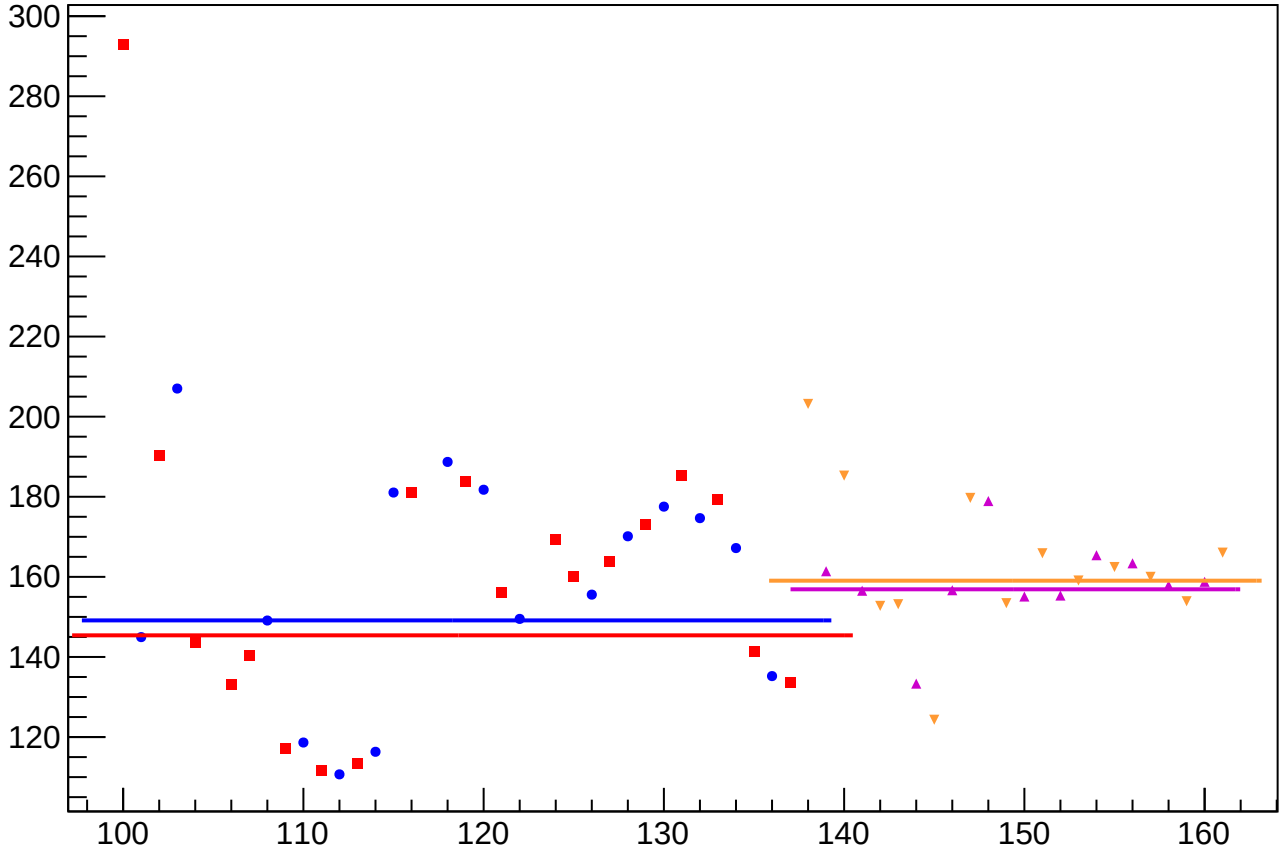
Left In: -46.965+/-51.201 χ^2/NDF:9.7/10

+ sign -20.687+/-37.512 χ^2/NDF: 22.1/28

All: -35.585+/-26.483 χ^2/NDF: 51.6/58

- sign -50.390+/-37.394 χ^2/NDF: 29.2/29

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 159.046+/-0.035 χ^2/NDF:264564.6/12

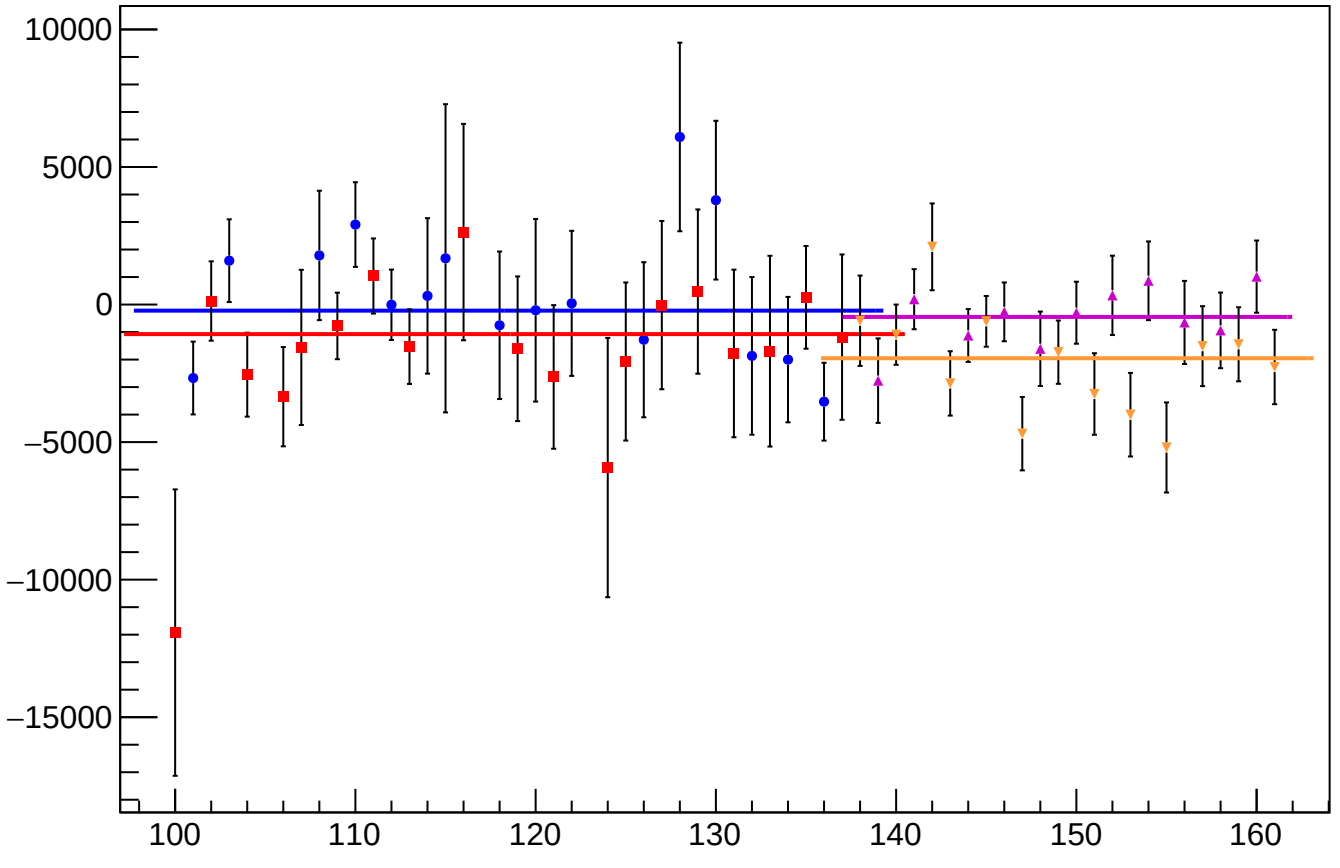
Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 156.892+/-0.036 χ^2/NDF:88721.4/10

+ sign 154.711+/-0.027 χ^2/NDF: 749953.7/28

All: 153.115+/-0.019 χ^2/NDF: 1418729.3/58

- sign 151.529+/-0.026 χ^2/NDF: 661557.4/29



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1951.887+/-361.210 χ^2/NDF:21.7/12

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

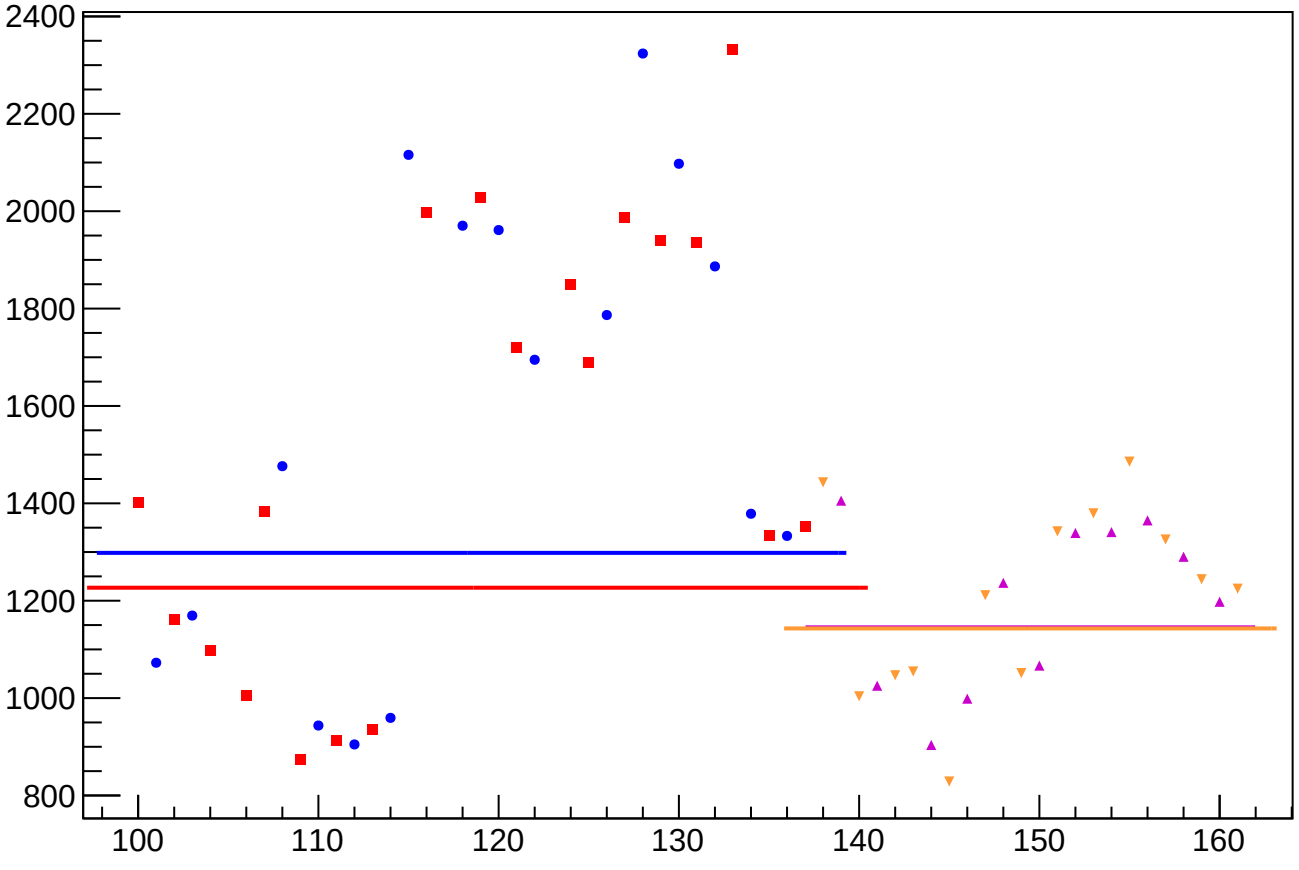
Left In: -449.804+/-375.981 χ^2/NDF:6.4/10

+ sign -1367.985+/-294.028 χ^2/NDF: 51.3/28

All: -1030.169+/-207.998 χ^2/NDF: 75.0/58

- sign -691.773+/-294.280 χ^2/NDF: 21.1/29

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1143.068+/-0.255 χ^2/NDF:590495.6/12

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

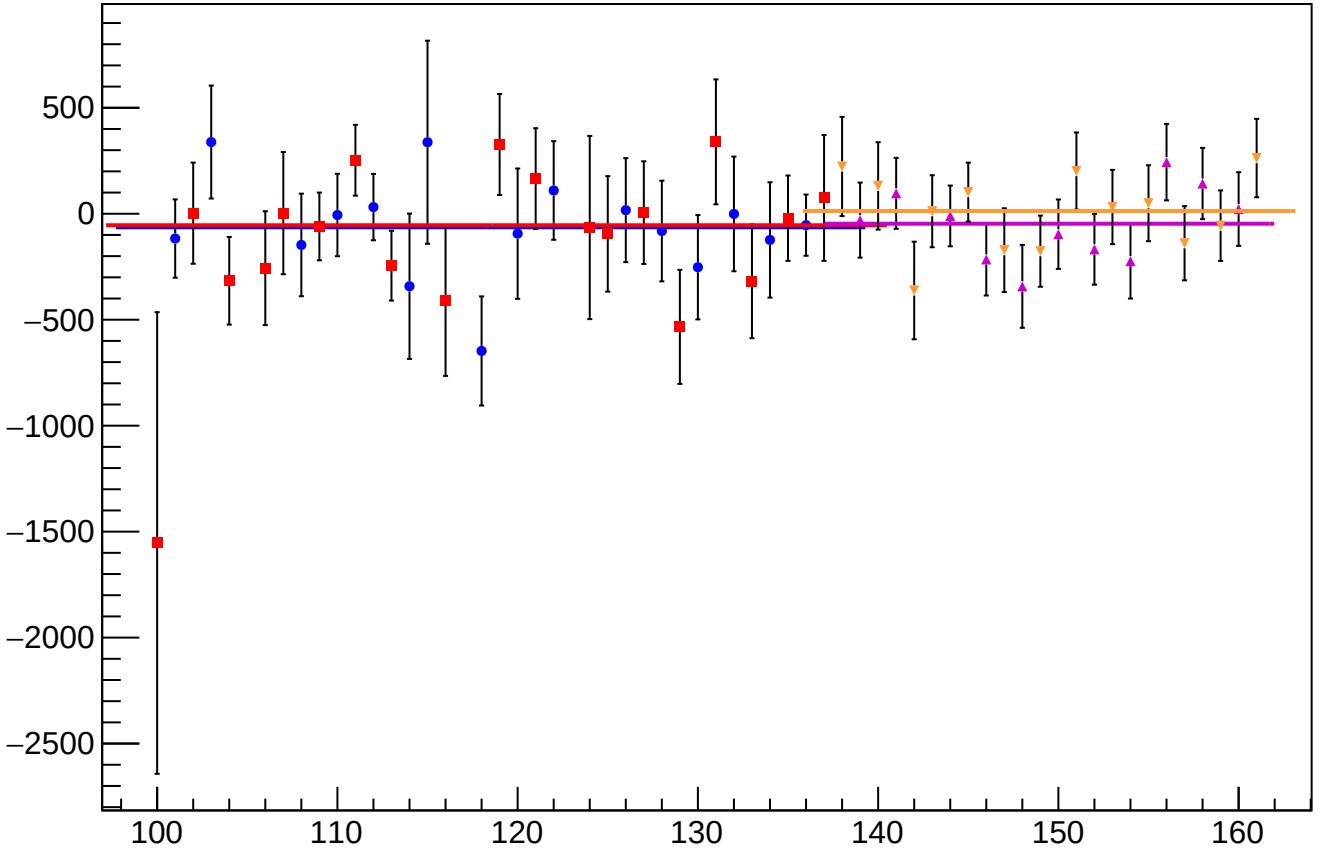
Left In: 1145.364+/-0.266 χ^2/NDF:405690.1/10

+ sign 1195.439+/-0.208 χ^2/NDF: 1897232.7/28

All: 1186.169+/-0.147 χ^2/NDF: 3747706.8/58

- sign 1176.883+/-0.208 χ^2/NDF: 1846494.7/29

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 12.789+/-50.002 χ^2/NDF:10.2/12

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

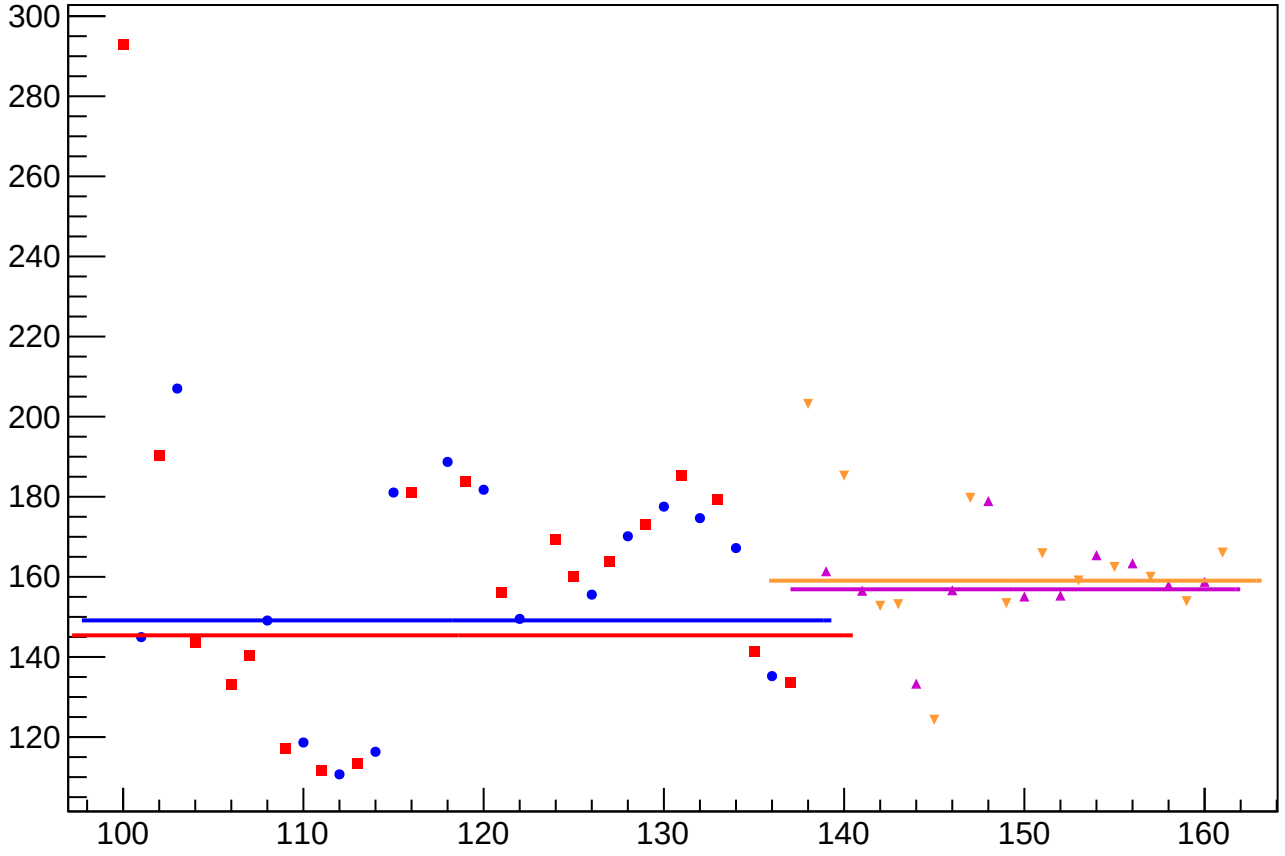
Left In: -46.965+/-51.202 χ^2/NDF:9.7/10

+ sign -20.685+/-37.512 χ^2/NDF: 22.1/28

All: -35.584+/-26.483 χ^2/NDF: 51.6/58

- sign -50.390+/-37.394 χ^2/NDF: 29.2/29

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 159.046+/-0.035 χ^2/NDF:264558.5/12

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

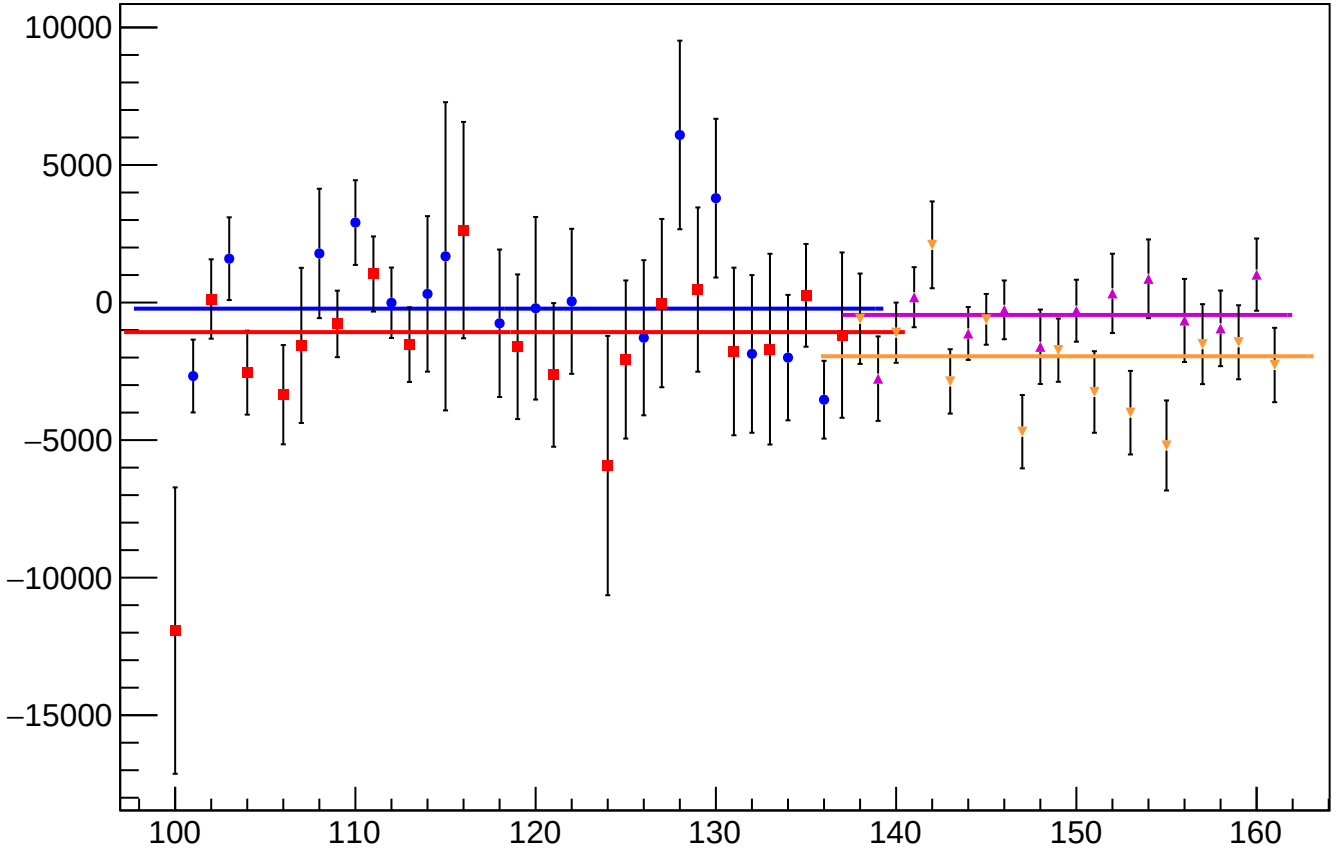
Left In: 156.892+/-0.036 χ^2/NDF:88719.8/10

+ sign 154.711+/-0.027 χ^2/NDF: 749951.8/28

All: 153.115+/-0.019 χ^2/NDF: 1418731.5/58

- sign 151.529+/-0.026 χ^2/NDF: 661561.3/29

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1951.884+/-361.210 χ^2/NDF:21.7/12

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

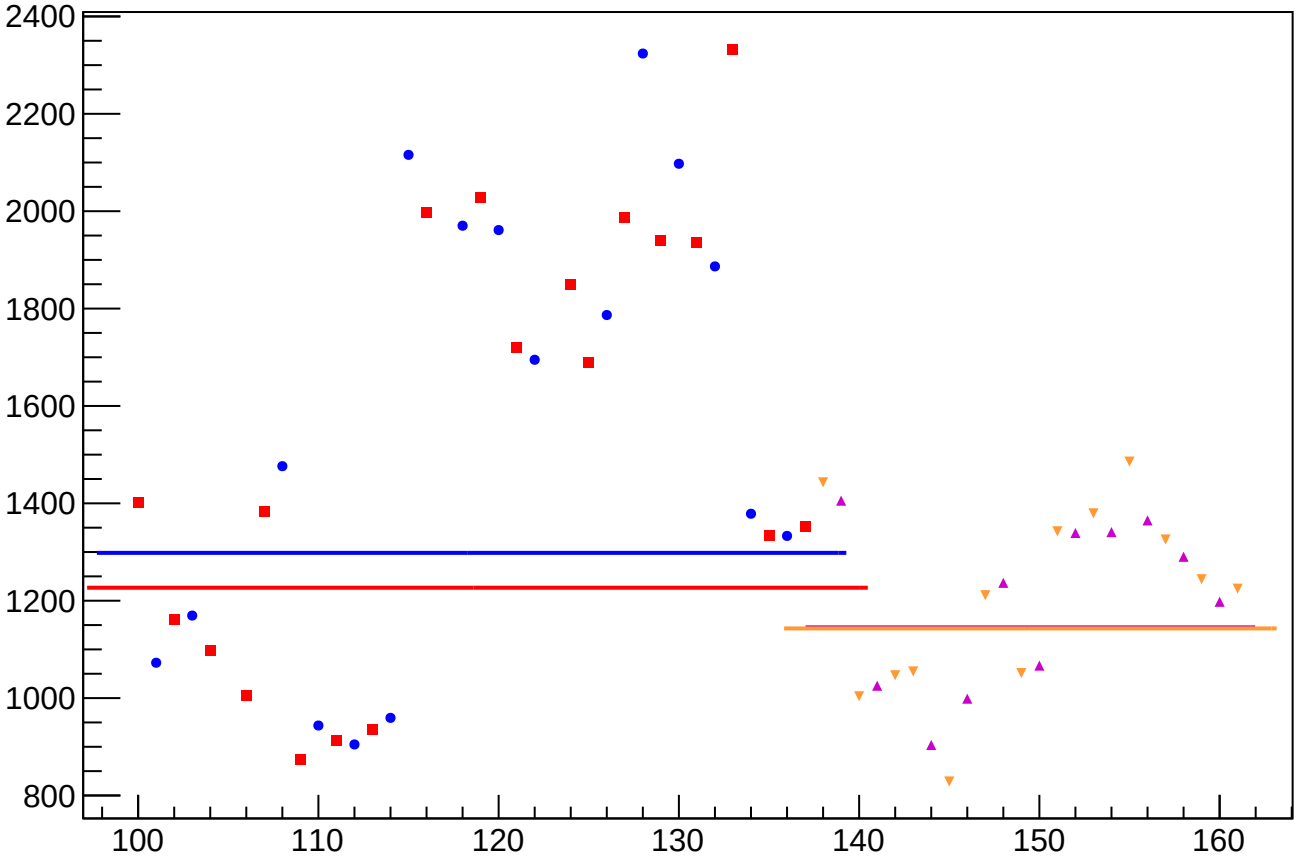
Left In: -449.803+/-375.981 χ^2/NDF:6.4/10

+ sign -1367.983+/-294.028 χ^2/NDF: 51.3/28

All: -1030.167+/-207.998 χ^2/NDF: 75.0/58

- sign -691.772+/-294.280 χ^2/NDF: 21.1/29

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1143.066+/-0.255 χ^2/NDF:590498.1/12

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

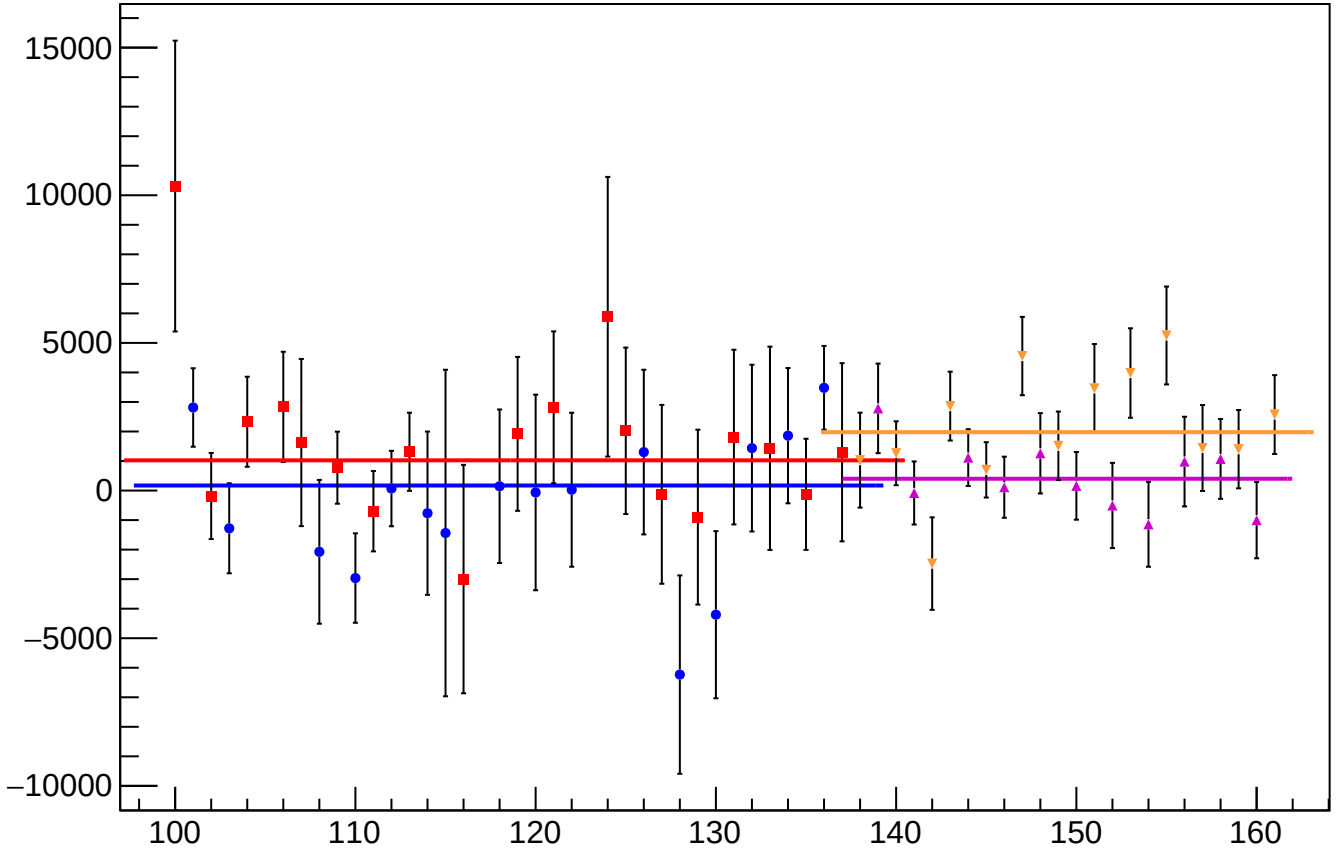
Left In: 1145.363+/-0.266 χ^2/NDF:405688.6/10

+ sign 1195.438+/-0.208 χ^2/NDF: 1897239.9/28

All: 1186.168+/-0.147 χ^2/NDF: 3747715.2/58

- sign 1176.882+/-0.208 χ^2/NDF: 1846496.0/29

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1977.783+/-360.912 χ^2/NDF:22.4/12

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

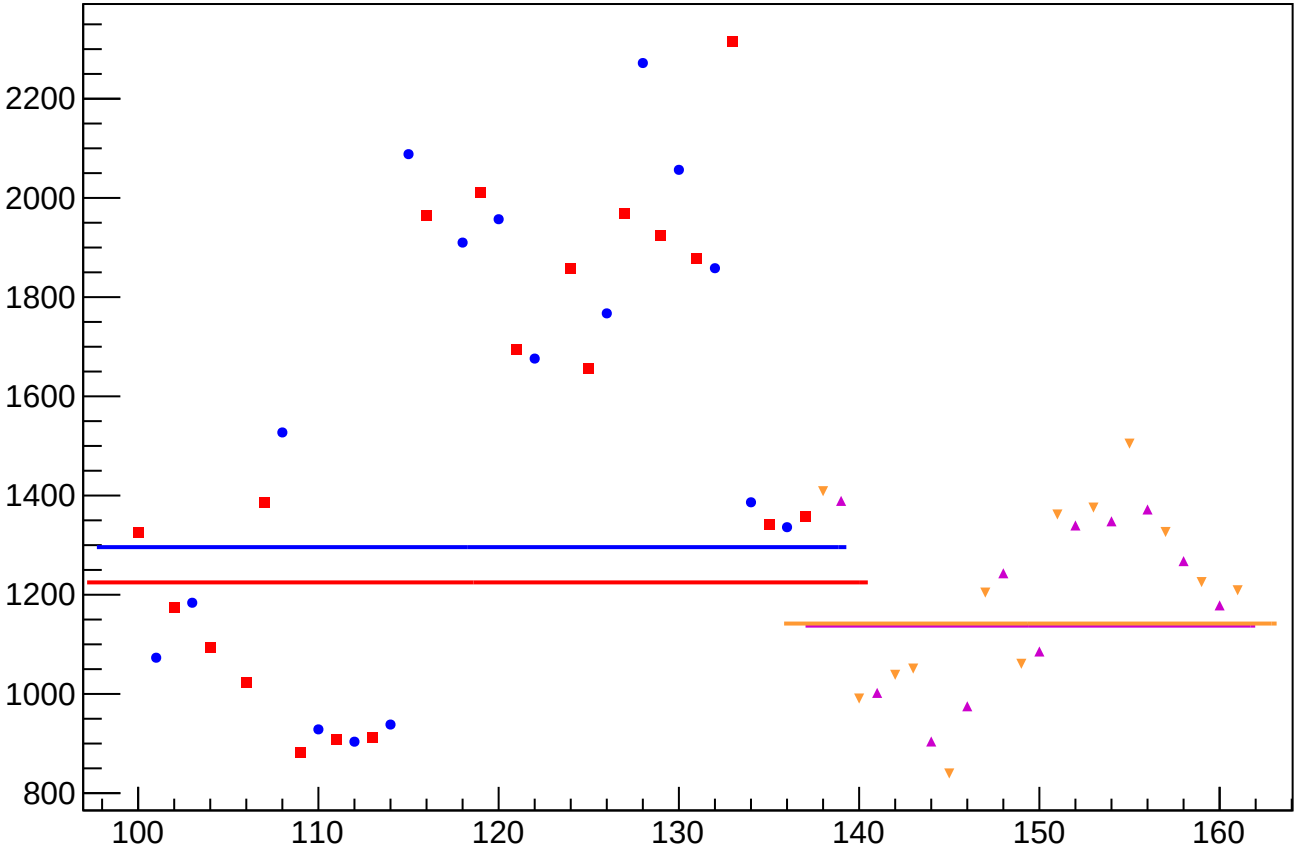
Left In: 400.173+/-373.465 χ^2/NDF:6.9/10

+ sign 1367.177+/-293.658 χ^2/NDF: 53.4/28

All: 1002.738+/-207.371 χ^2/NDF: 76.0/58

- sign 640.236+/-292.877 χ^2/NDF: 19.5/29

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1141.914+/-0.255 χ^2/NDF:568476.7/12

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

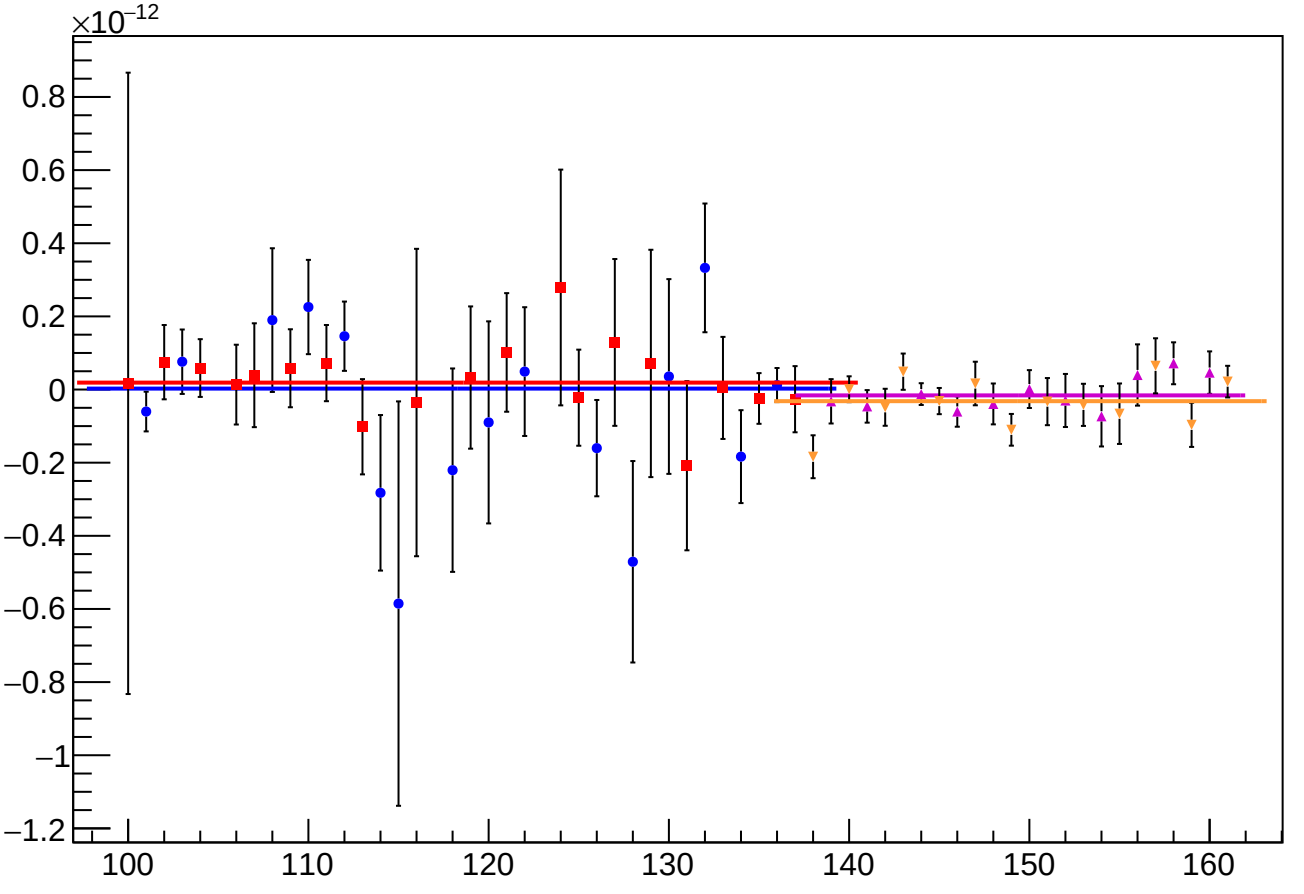
Left In: 1137.726+/-0.264 χ^2/NDF:420523.9/10

+ sign 1193.985+/-0.208 χ^2/NDF: 1845845.3/28

All: 1182.601+/-0.147 χ^2/NDF: 3685576.0/58

- sign 1171.278+/-0.207 χ^2/NDF: 1833735.8/29

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

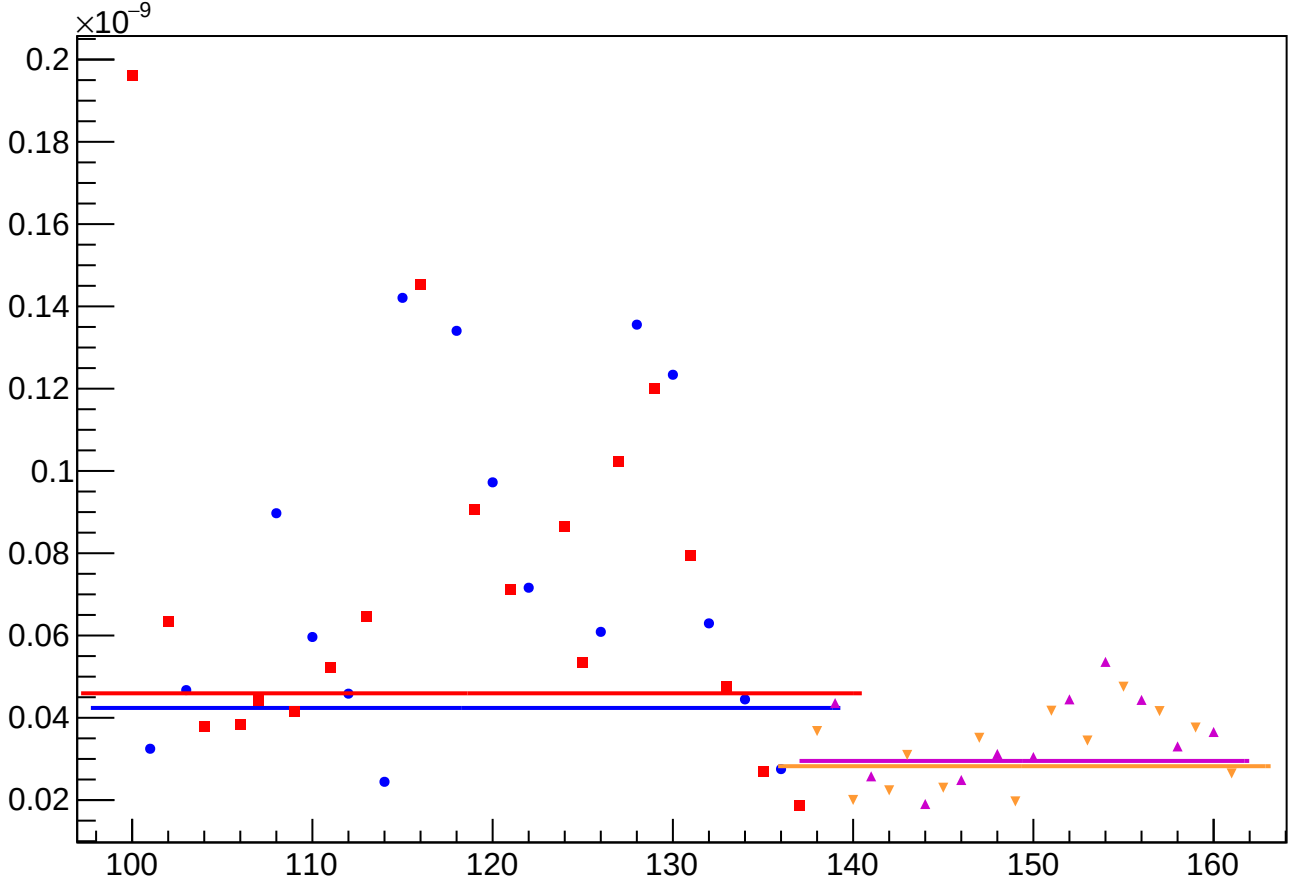
Left In: -0.000+/-0.000 χ^2/NDF:6.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 42.2/28

All: -0.000+/-0.000 χ^2/NDF: 55.3/58

- sign -0.000+/-0.000 χ^2/NDF: 12.3/29

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:665722.6/12

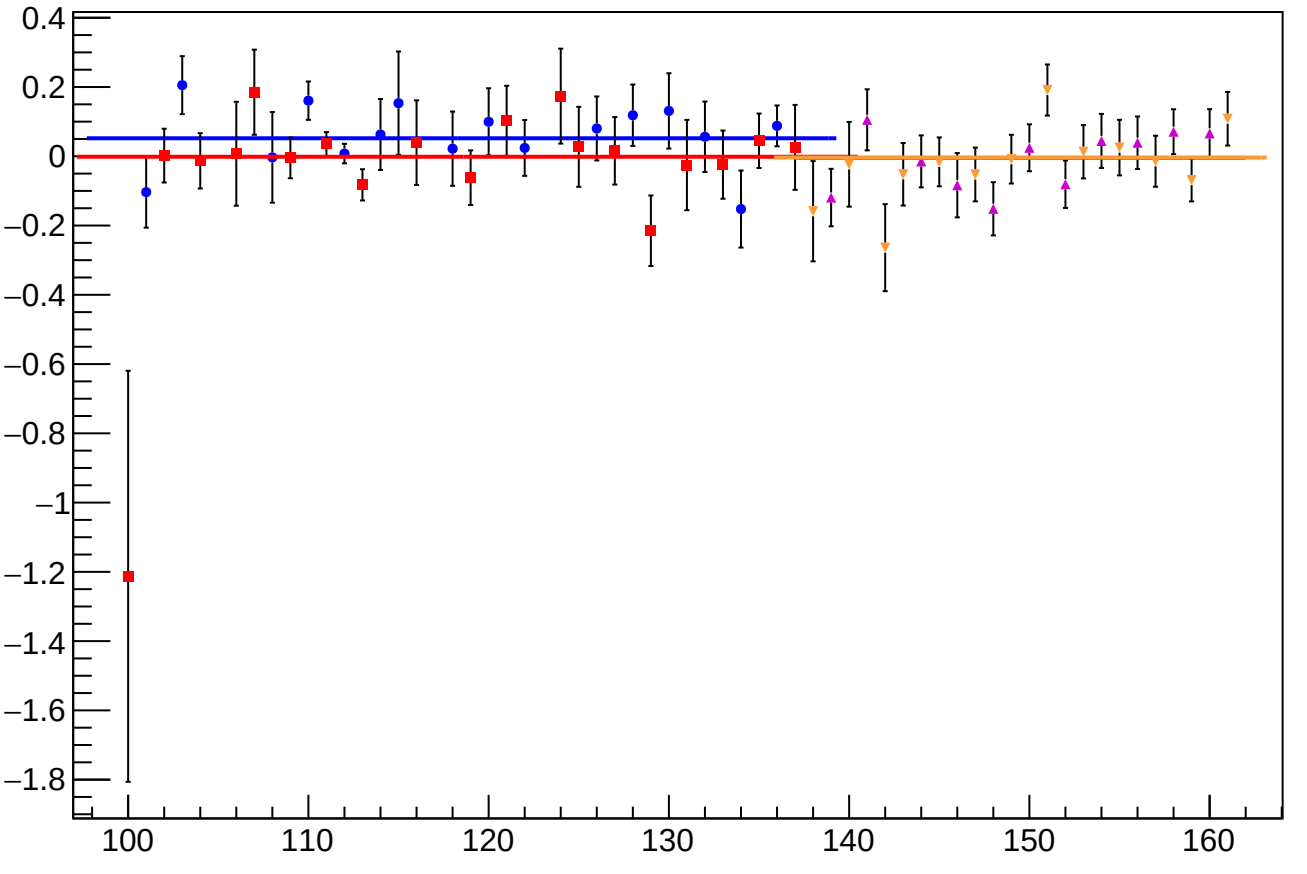
Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:751739.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 2445756.4/28

All: 0.000+/-0.000 χ^2/NDF: 4842523.9/58

- sign 0.000+/-0.000 χ^2/NDF: 2375588.9/29



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.004+/-0.022 χ^2/NDF:16.6/12

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

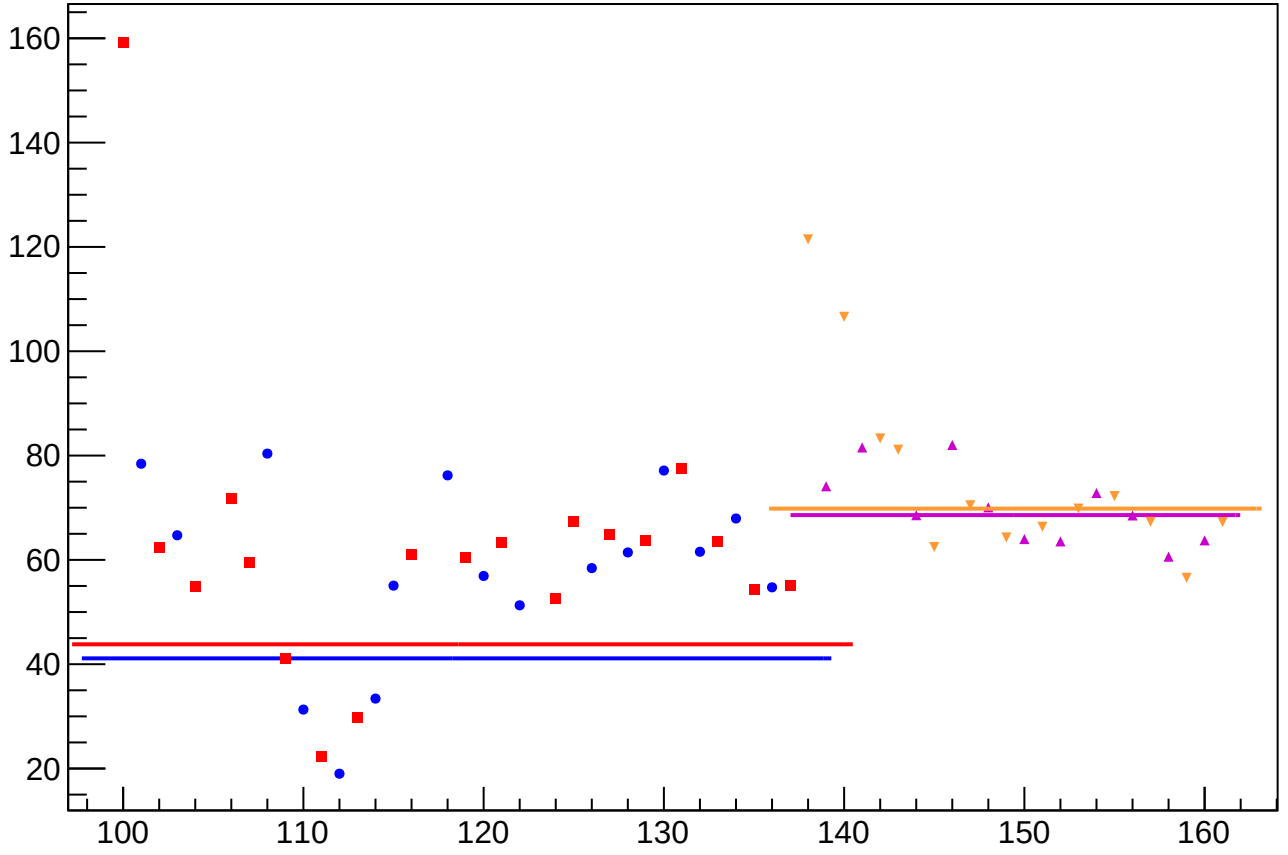
Left In: -0.005+/-0.023 χ^2/NDF:12.4/10

+ sign 0.030+/-0.014 χ^2/NDF: 38.4/28

All: 0.014+/-0.010 χ^2/NDF: 72.8/58

- sign -0.003+/-0.014 χ^2/NDF: 31.6/29

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 69.826+/-0.016 χ^2/NDF:627969.7/12

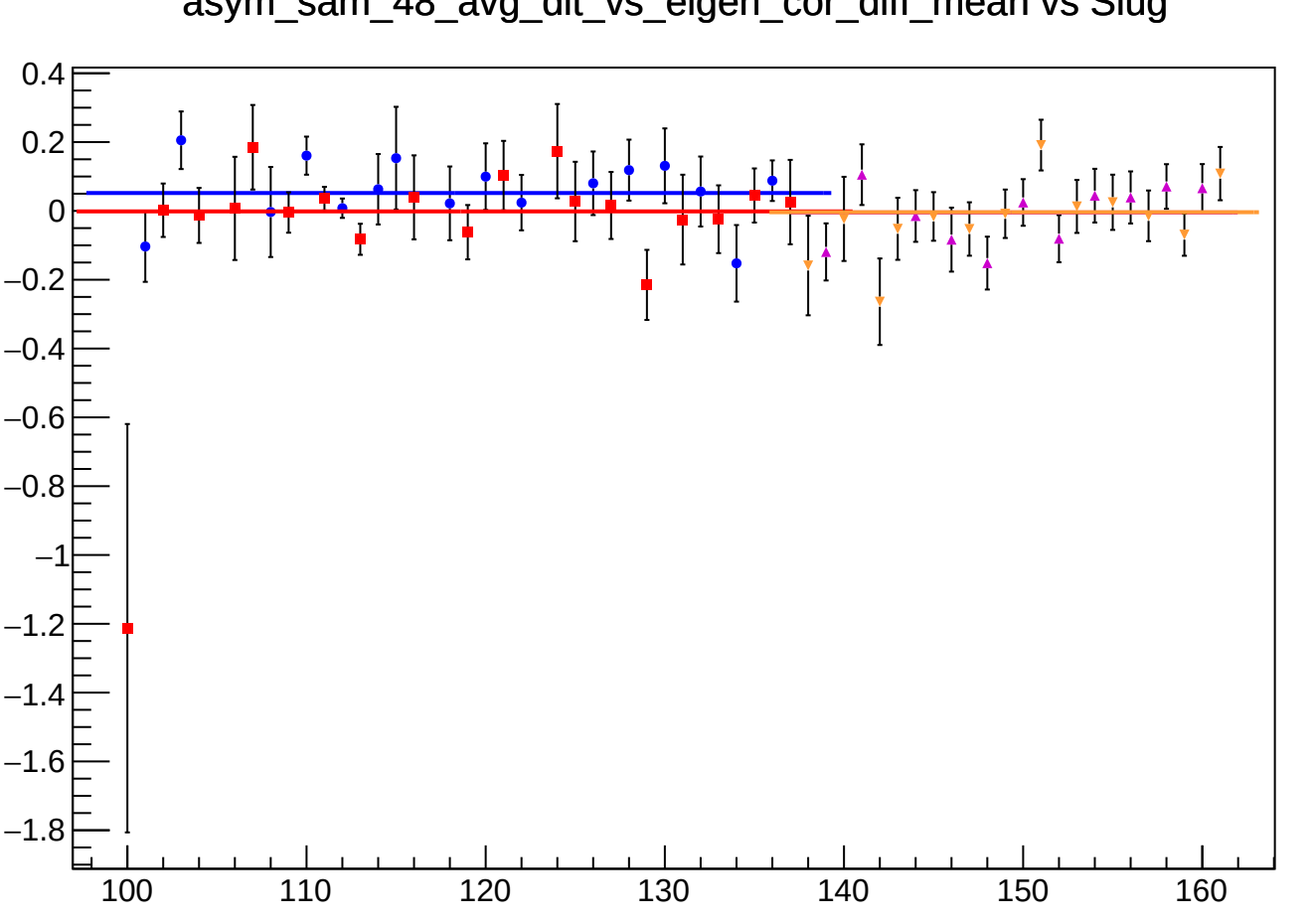
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 68.588+/-0.016 χ^2/NDF:160369.6/10

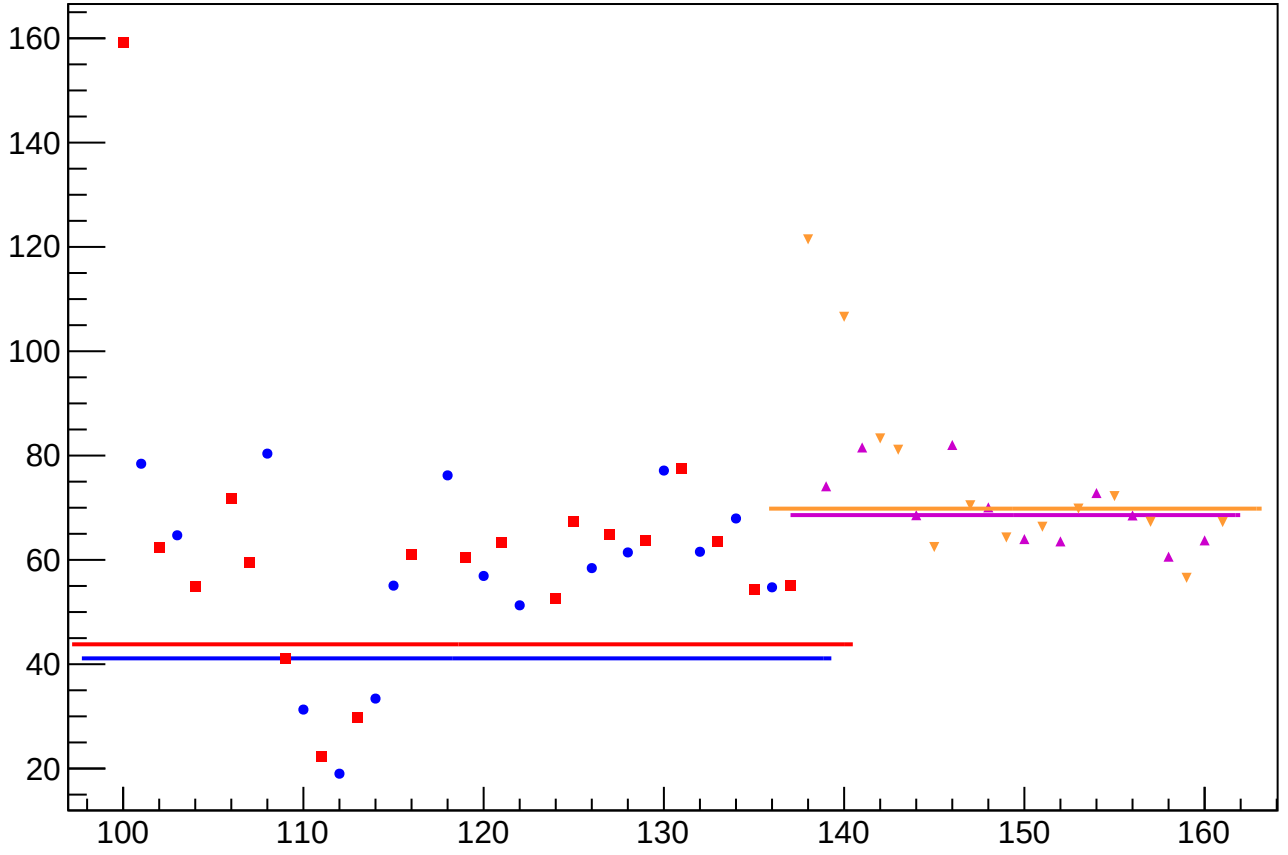
+ sign 52.211+/-0.010 χ^2/NDF: 5569160.7/28

All: 52.775+/-0.007 χ^2/NDF: 9255009.0/58

- sign 53.351+/-0.010 χ^2/NDF: 3679203.9/29


asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
100
110
120
130
140
150
160
Right In: 0.052+/-0.018 χ²/NDF: 18.0/15
Left Out: -0.004+/-0.022 χ²/NDF:16.6/12
Right Out: -0.001+/-0.018 χ²/NDF: 19.2/18
Left In: -0.005+/-0.023 χ²/NDF:12.4/10
+ sign 0.030+/-0.014 χ²/NDF: 38.4/28
All: 0.014+/-0.010 χ²/NDF: 72.8/58
- sign -0.003+/-0.014 χ²/NDF: 31.6/29

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 69.826+/-0.016 χ^2/NDF:627969.7/12

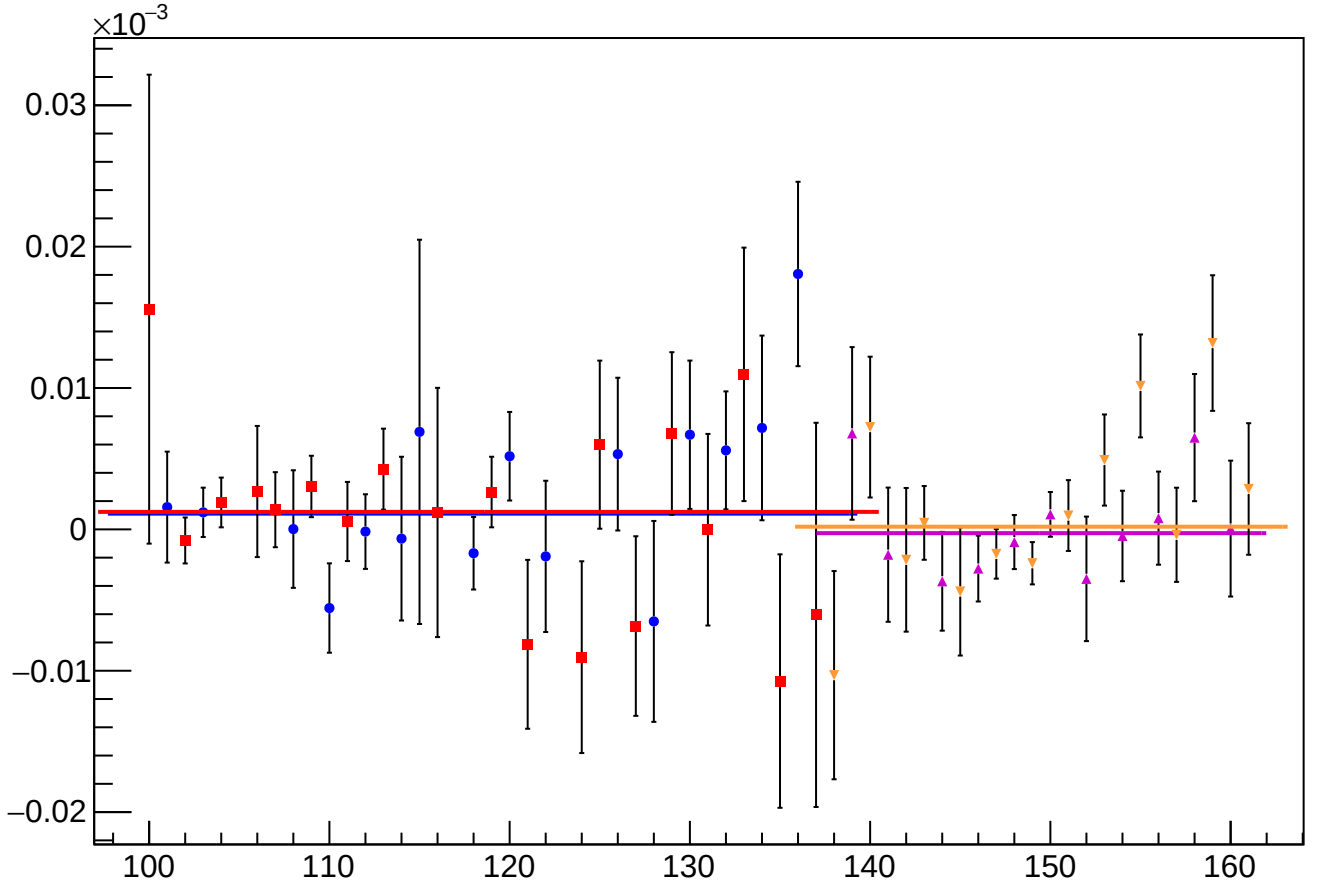
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 68.588+/-0.016 χ^2/NDF:160369.6/10

+ sign 52.211+/-0.010 χ^2/NDF: 5569160.7/28

All: 52.775+/-0.007 χ^2/NDF: 9255009.0/58

- sign 53.351+/-0.010 χ^2/NDF: 3679203.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/12

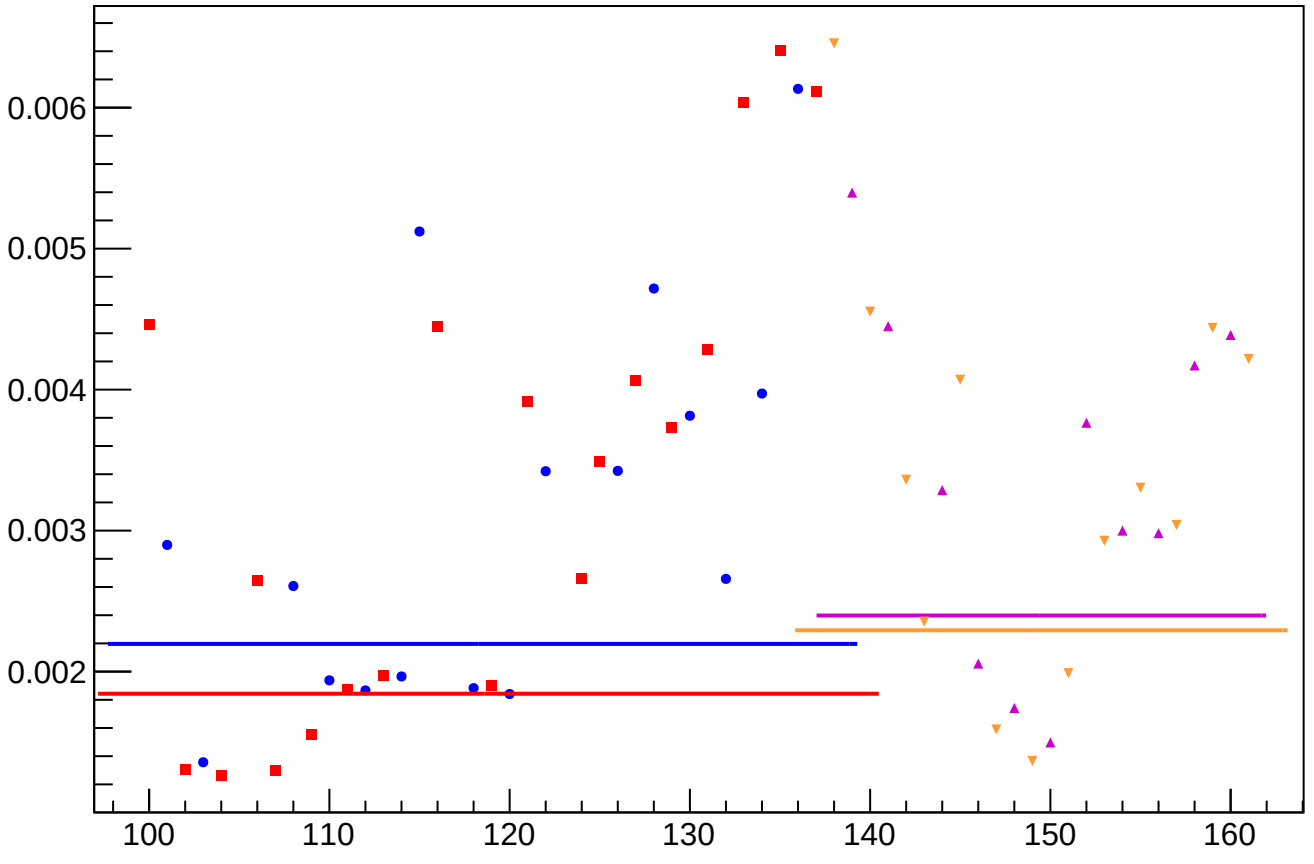
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 47.4/28

All: 0.000+/-0.000 χ^2/NDF: 72.3/58

- sign 0.000+/-0.000 χ^2/NDF: 24.9/29



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3641461.0/12

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

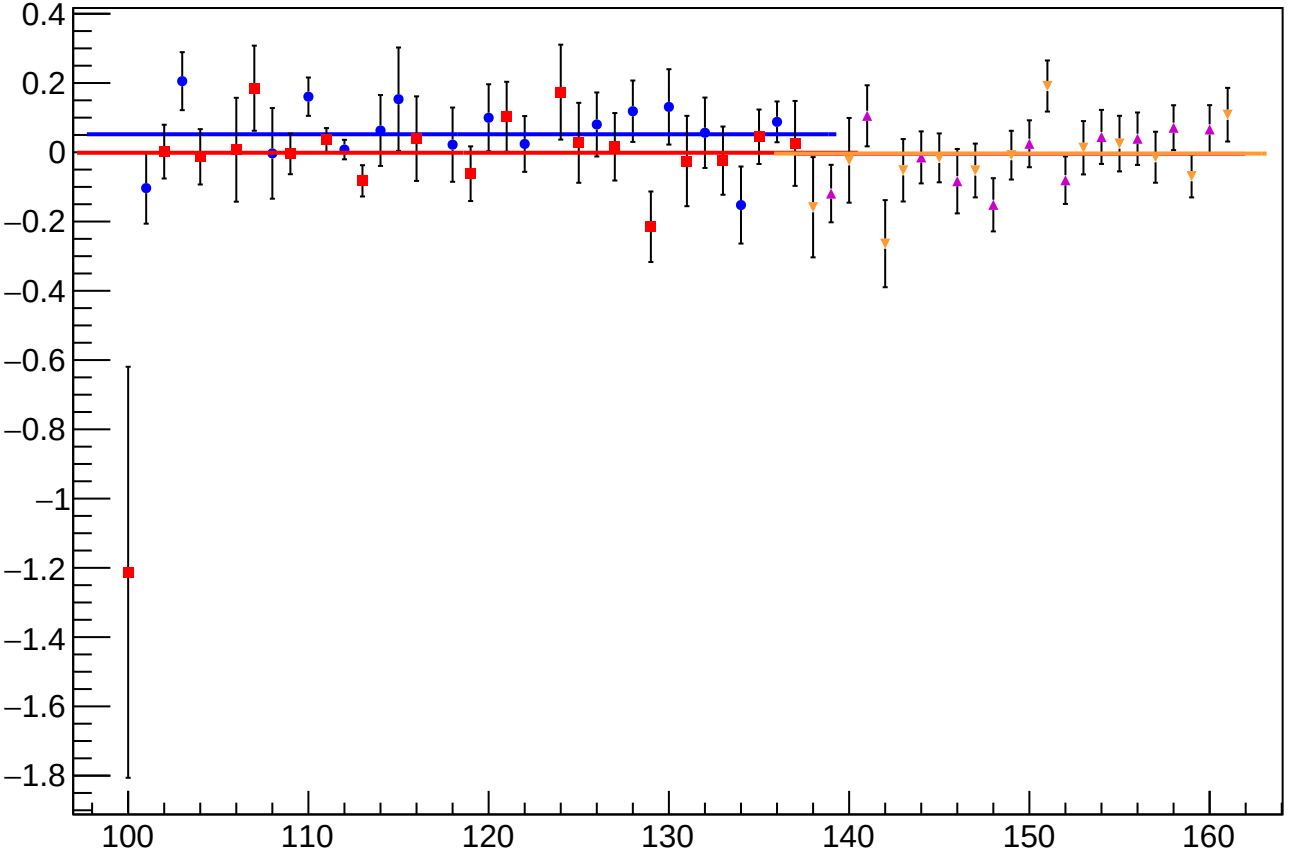
Left In: 0.002+/-0.000 χ^2/NDF:2891883.9/10

+ sign 0.002+/-0.000 χ^2/NDF: 5947170.5/28

All: 0.002+/-0.000 χ^2/NDF: 12518587.3/58

- sign 0.002+/-0.000 χ^2/NDF: 6492899.2/29

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.004+/-0.022 χ^2/NDF:16.6/12

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

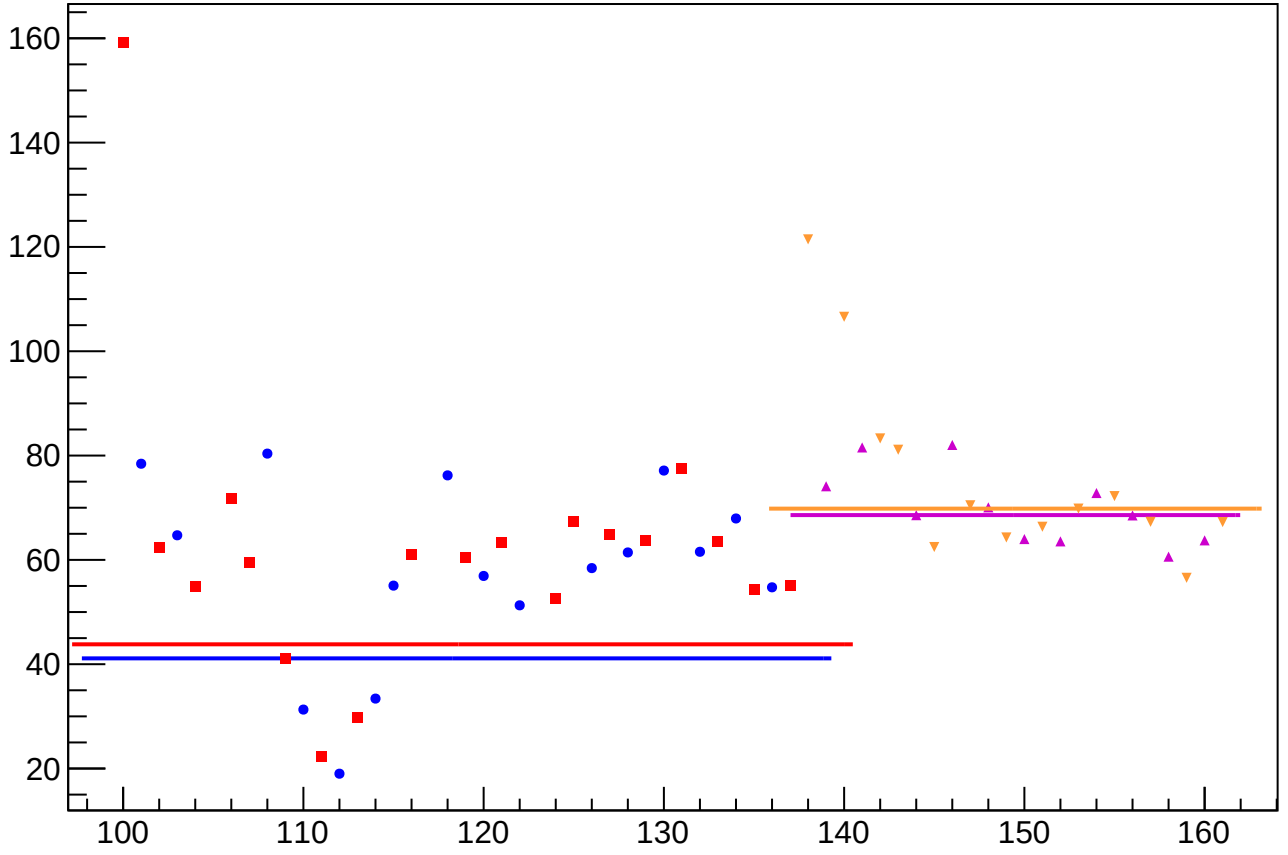
Left In: -0.005+/-0.023 χ^2/NDF:12.4/10

+ sign 0.030+/-0.014 χ^2/NDF: 38.4/28

All: 0.014+/-0.010 χ^2/NDF: 72.8/58

- sign -0.003+/-0.014 χ^2/NDF: 31.6/29

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 69.826+/-0.016 χ^2/NDF:627949.8/12

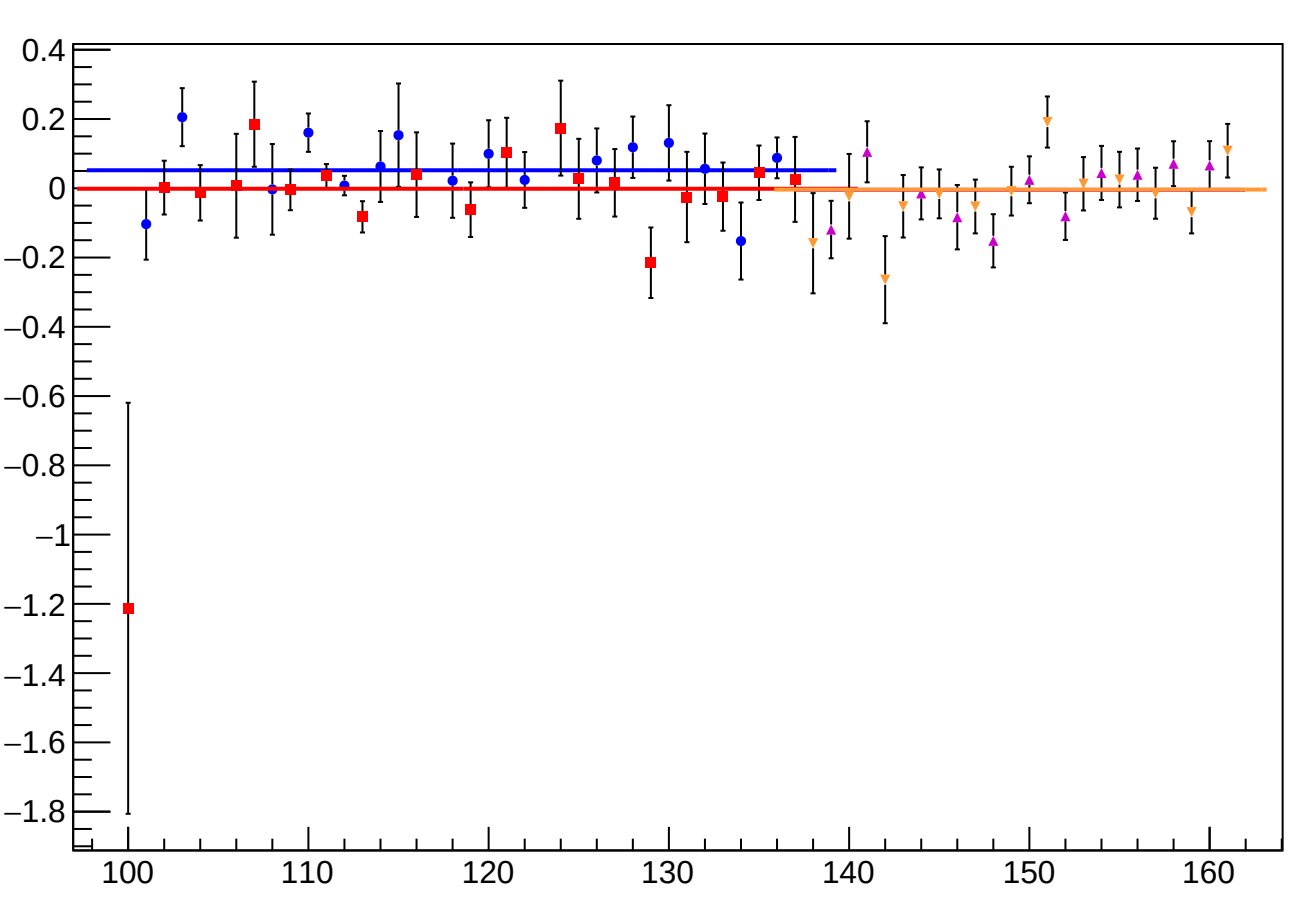
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 68.589+/-0.016 χ^2/NDF:160370.6/10

\+ sign 52.210+/-0.010 χ^2/NDF: 5569537.8/28

All: 52.775+/-0.007 χ^2/NDF: 9255750.3/58

\- sign 53.350+/-0.010 χ^2/NDF: 3679567.4/29



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.004+/-0.022 χ^2/NDF:16.6/12

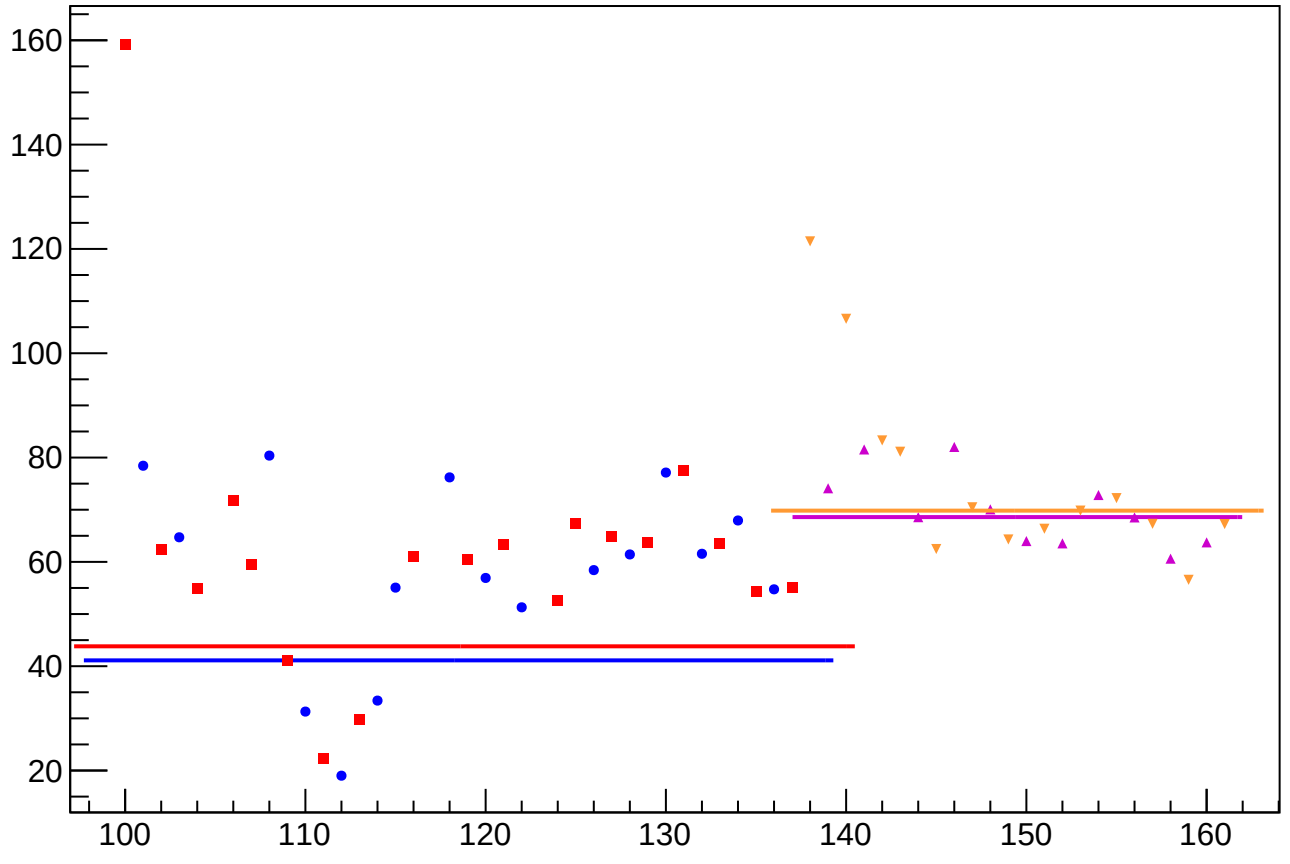
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.005+/-0.023 χ^2/NDF:12.4/10

+ sign 0.030+/-0.014 χ^2/NDF: 38.4/28

All: 0.014+/-0.010 χ^2/NDF: 72.8/58

- sign -0.003+/-0.014 χ^2/NDF: 31.6/29



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 69.826+/-0.016 χ^2/NDF:627949.8/12

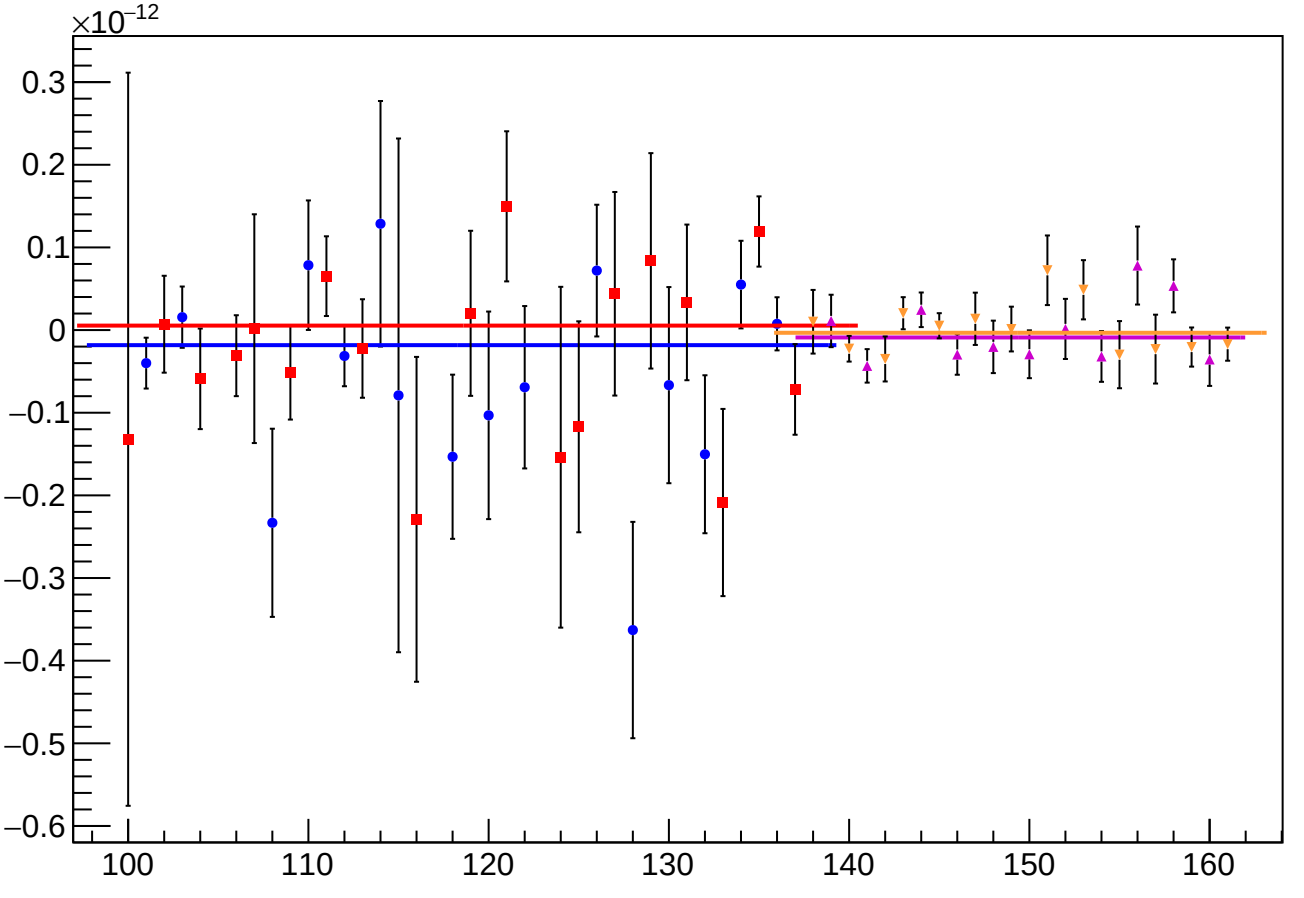
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 68.589+/-0.016 χ^2/NDF:160370.6/10

+ sign 52.210+/-0.010 χ^2/NDF: 5569537.8/28

All: 52.775+/-0.007 χ^2/NDF: 9255750.3/58

- sign 53.350+/-0.010 χ^2/NDF: 3679567.4/29



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/12

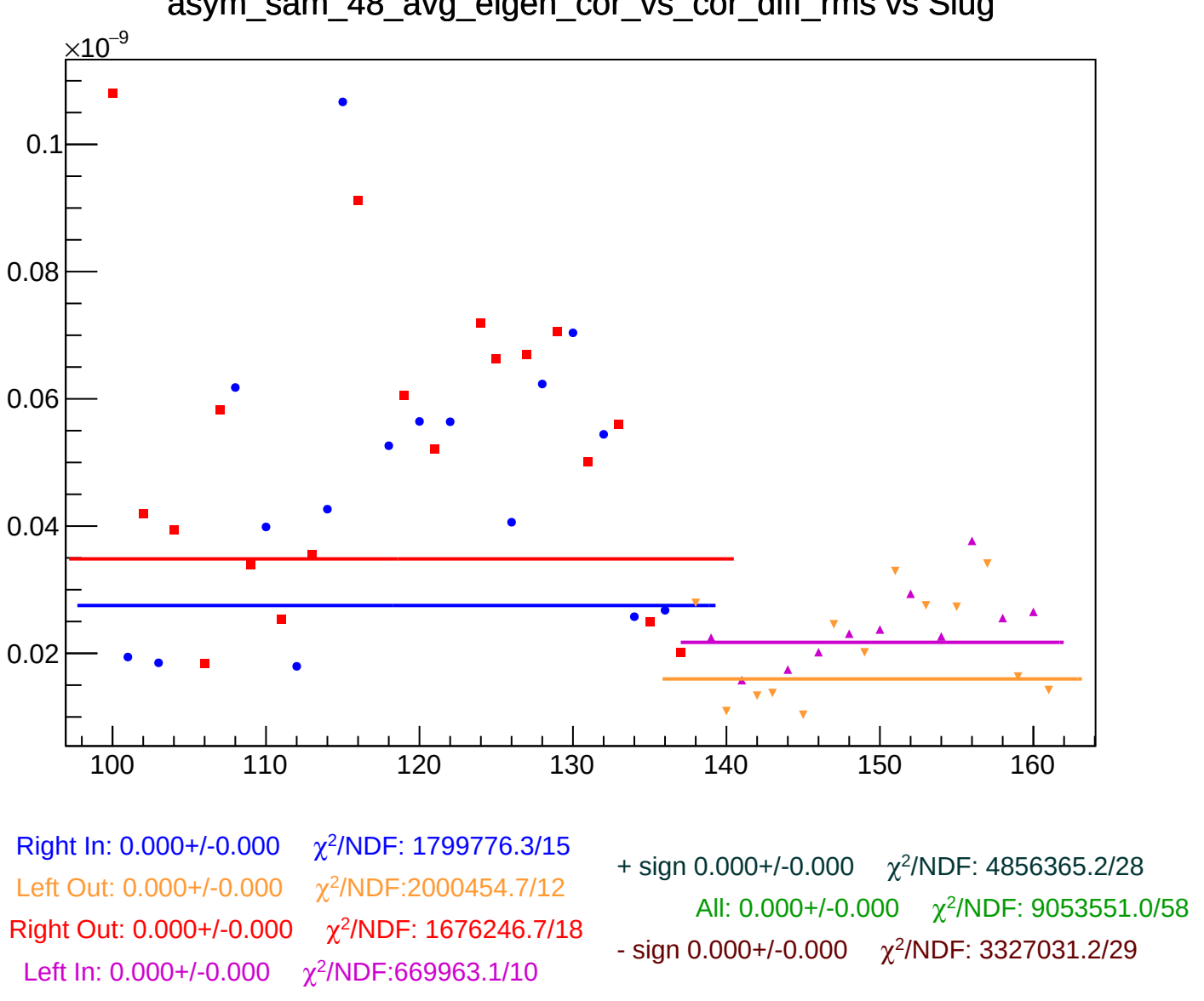
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/10

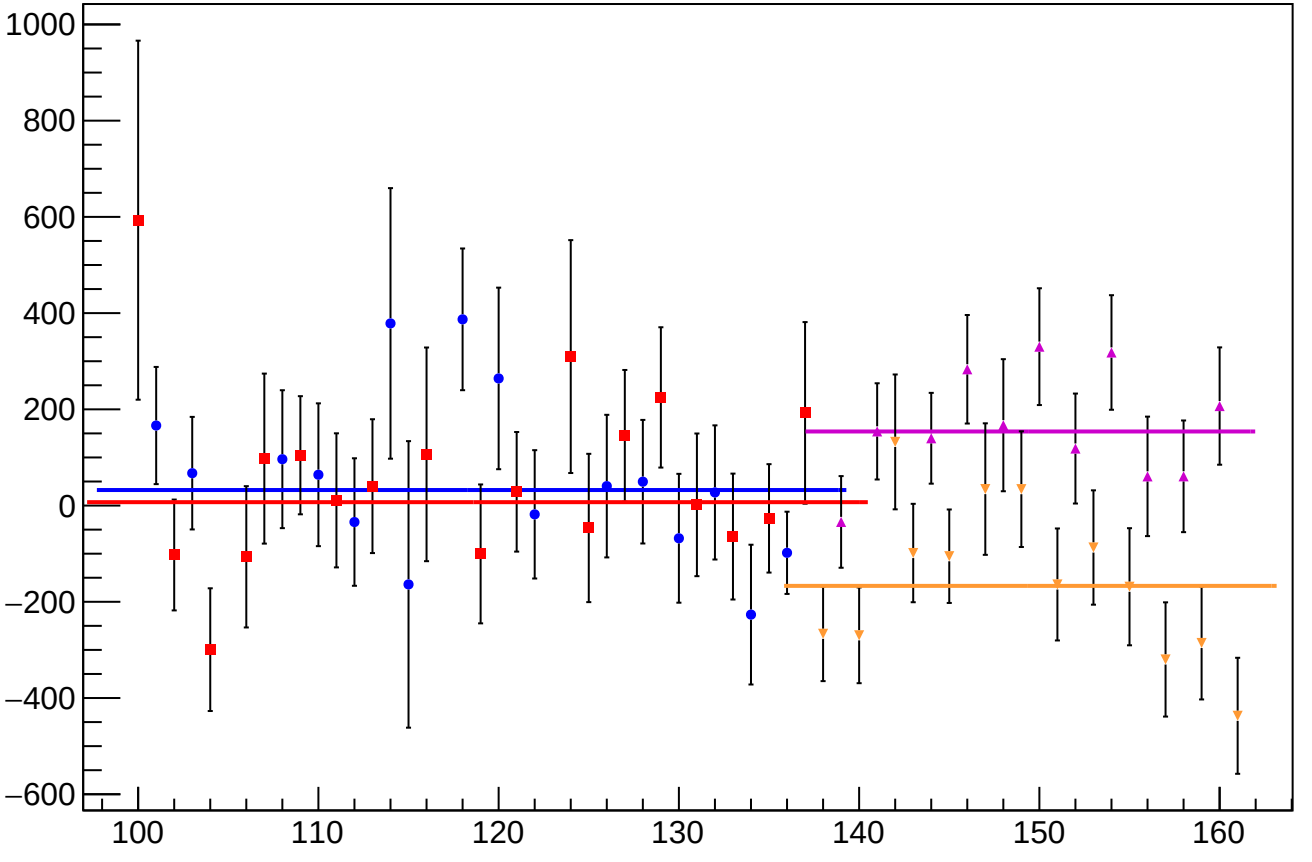
+ sign -0.000+/-0.000 χ^2/NDF: 36.0/28

All: -0.000+/-0.000 χ^2/NDF: 75.5/58

- sign -0.000+/-0.000 χ^2/NDF: 39.6/29


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
Right In: 0.000+/-0.000 χ²/NDF: 1799776.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2000454.7/12
Right Out: 0.000+/-0.000 χ²/NDF: 1676246.7/18
Left In: 0.000+/-0.000 χ²/NDF:669963.1/10
+ sign 0.000+/-0.000 χ²/NDF: 4856365.2/28
All: 0.000+/-0.000 χ²/NDF: 9053551.0/58
- sign 0.000+/-0.000 χ²/NDF: 3327031.2/29

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -166.918+/-31.559 χ^2/NDF:20.6/12

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

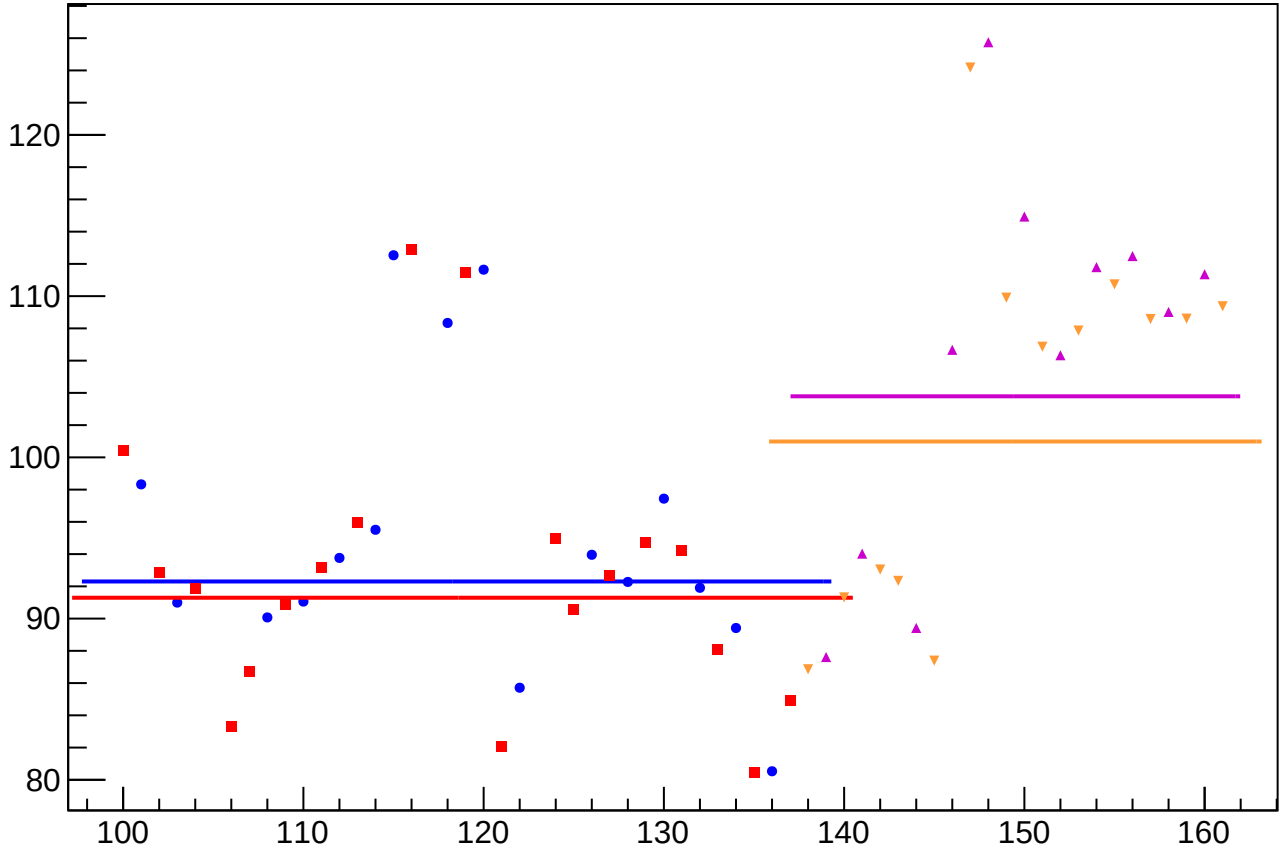
Left In: 153.984+/-33.795 χ^2/NDF:10.7/10

\+ sign -75.958+/-23.264 χ^2/NDF: 56.1/28

All: 0.223+/-16.624 χ^2/NDF: 116.1/58

\- sign 79.707+/-23.763 χ^2/NDF: 38.1/29

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 100.984+/-0.022 χ^2/NDF:239546.7/12

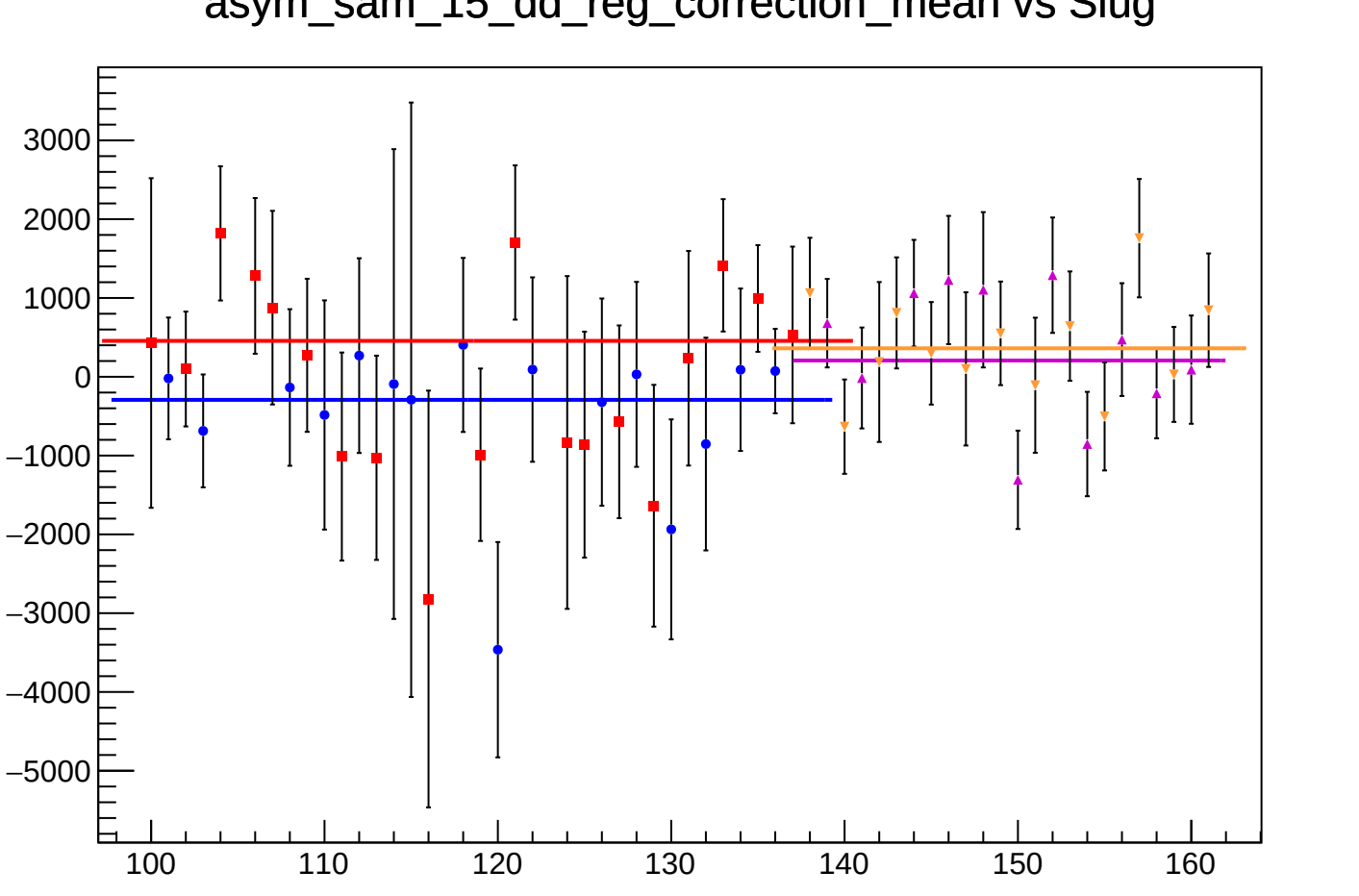
Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 103.787+/-0.024 χ^2/NDF:224075.8/10

+ sign 97.020+/-0.016 χ^2/NDF: 415715.7/28

All: 97.240+/-0.012 χ^2/NDF: 883447.3/58

- sign 97.471+/-0.017 χ^2/NDF: 467364.2/29



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 361.321+/-197.827 χ^2/NDF:10.6/12

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

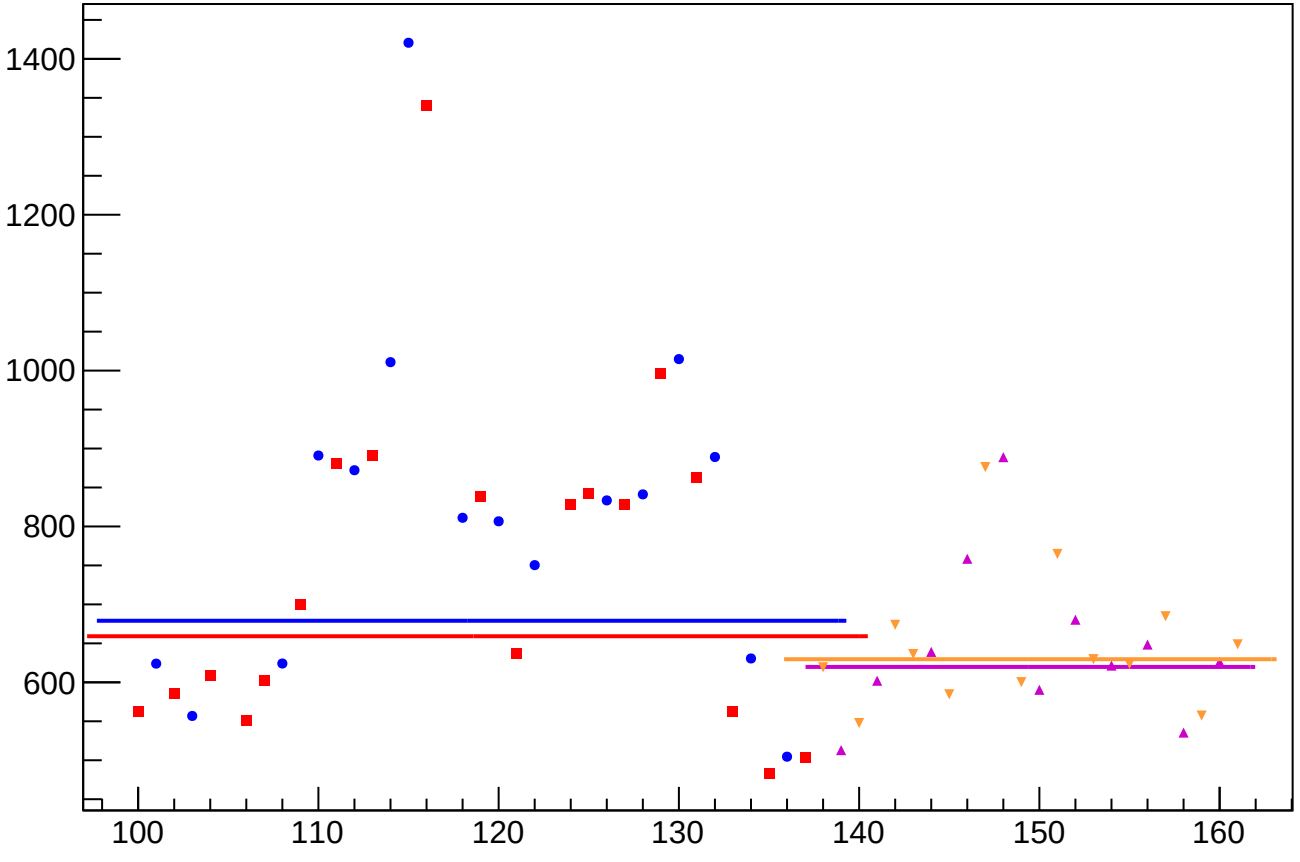
Left In: 206.445+/-203.352 χ^2/NDF:16.2/10

+ sign 121.138+/-157.368 χ^2/NDF: 23.4/28

All: 213.713+/-111.298 χ^2/NDF: 57.8/58

- sign 306.362+/-157.430 χ^2/NDF: 33.6/29

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 629.645+/-0.140 χ^2/NDF:274814.5/12

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

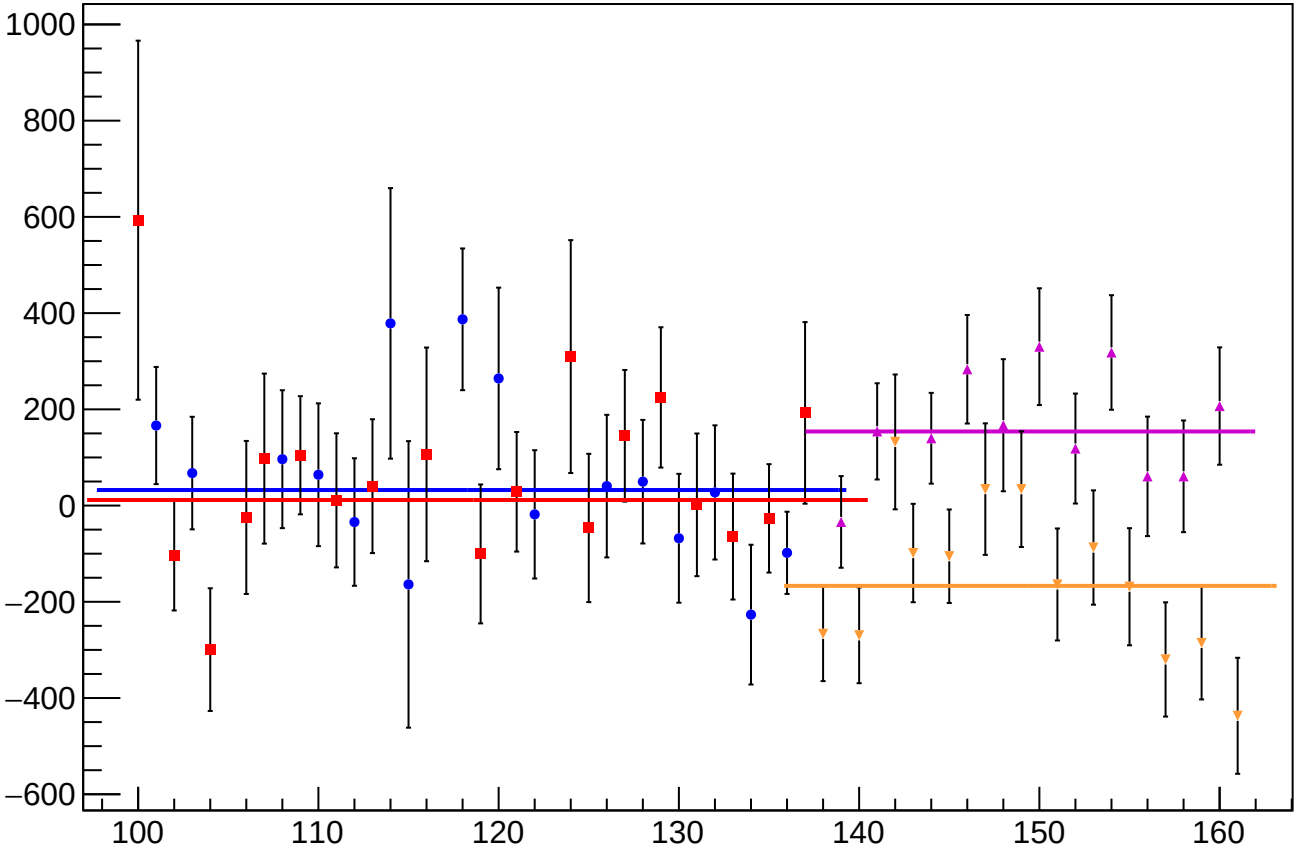
Left In: 619.755+/-0.144 χ^2/NDF:347862.9/10

\+ sign 647.770+/-0.111 χ^2/NDF: 1088516.2/28

All: 641.653+/-0.079 χ^2/NDF: 2268349.3/58

\- sign 635.532+/-0.111 χ^2/NDF: 1173788.2/29

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -166.913+/-31.559 χ^2/NDF:20.6/12

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

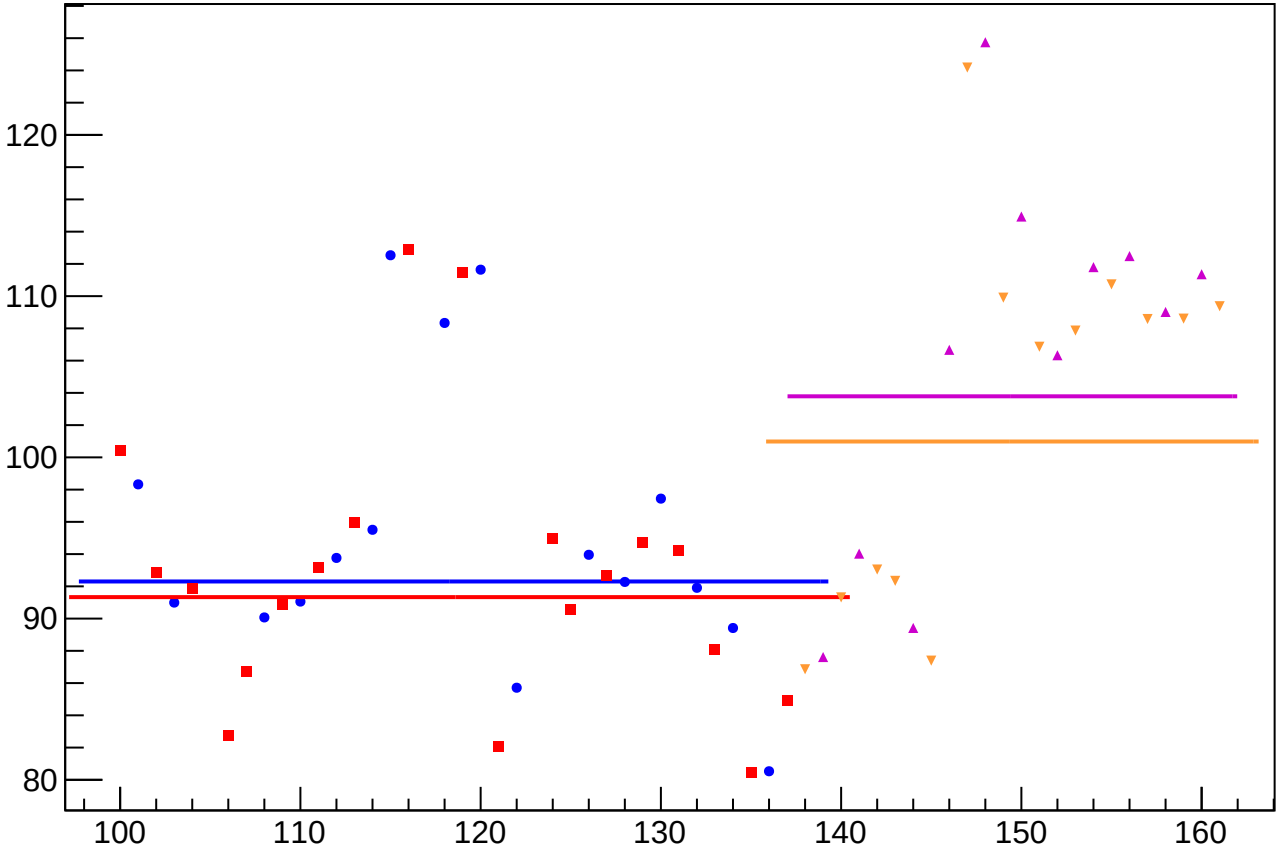
Left In: 153.988+/-33.795 χ^2/NDF:10.7/10

+ sign -75.948+/-23.264 χ^2/NDF: 56.1/28

All: 1.324+/-16.640 χ^2/NDF: 115.6/58

- sign 82.260+/-23.809 χ^2/NDF: 36.9/29

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 100.984+/-0.022 χ^2/NDF:239546.7/12

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

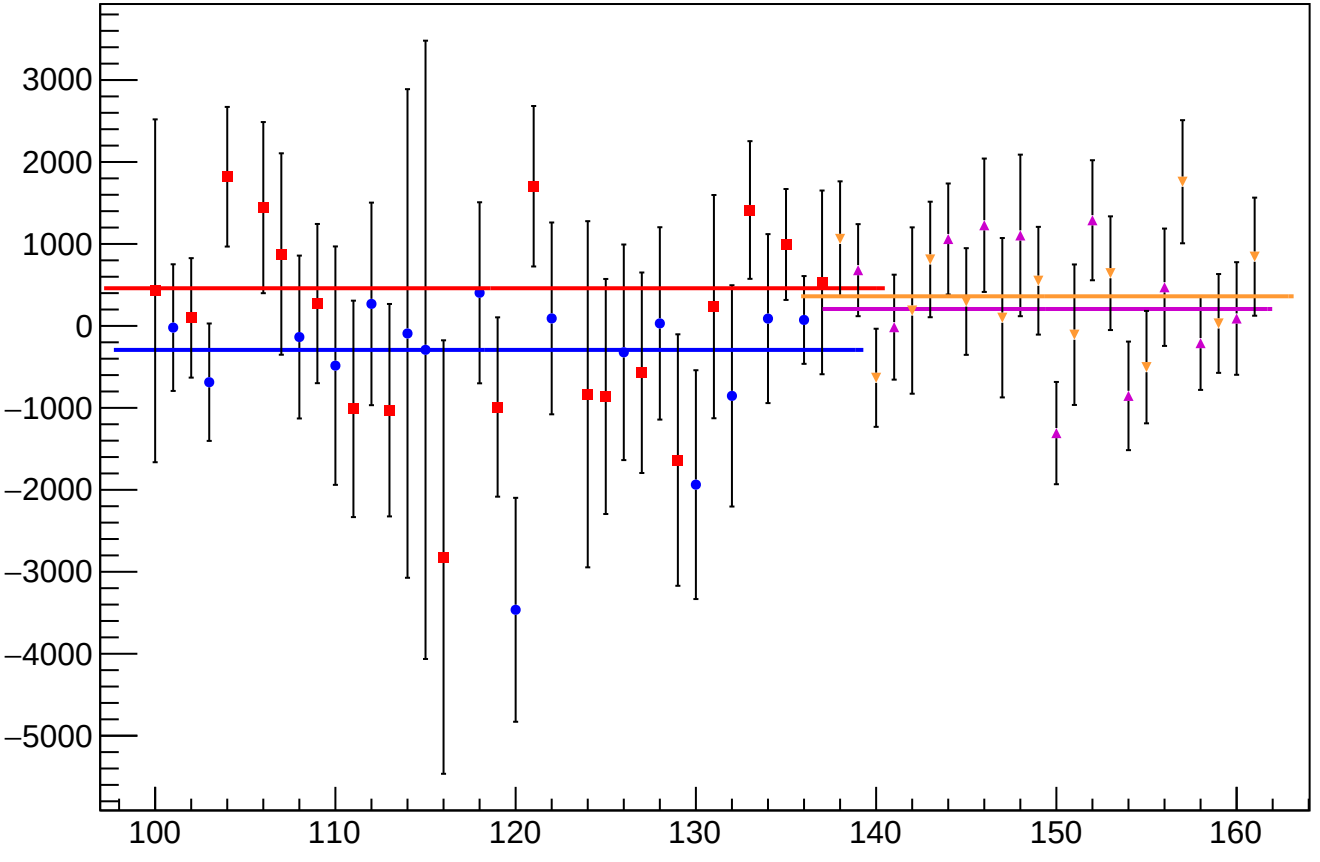
Left In: 103.787+/-0.024 χ^2/NDF:224075.8/10

+ sign 97.020+/-0.016 χ^2/NDF: 415715.6/28

All: 97.261+/-0.012 χ^2/NDF: 881973.7/58

- sign 97.514+/-0.017 χ^2/NDF: 465817.6/29

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 361.322+/-197.827 χ^2/NDF:10.6/12

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

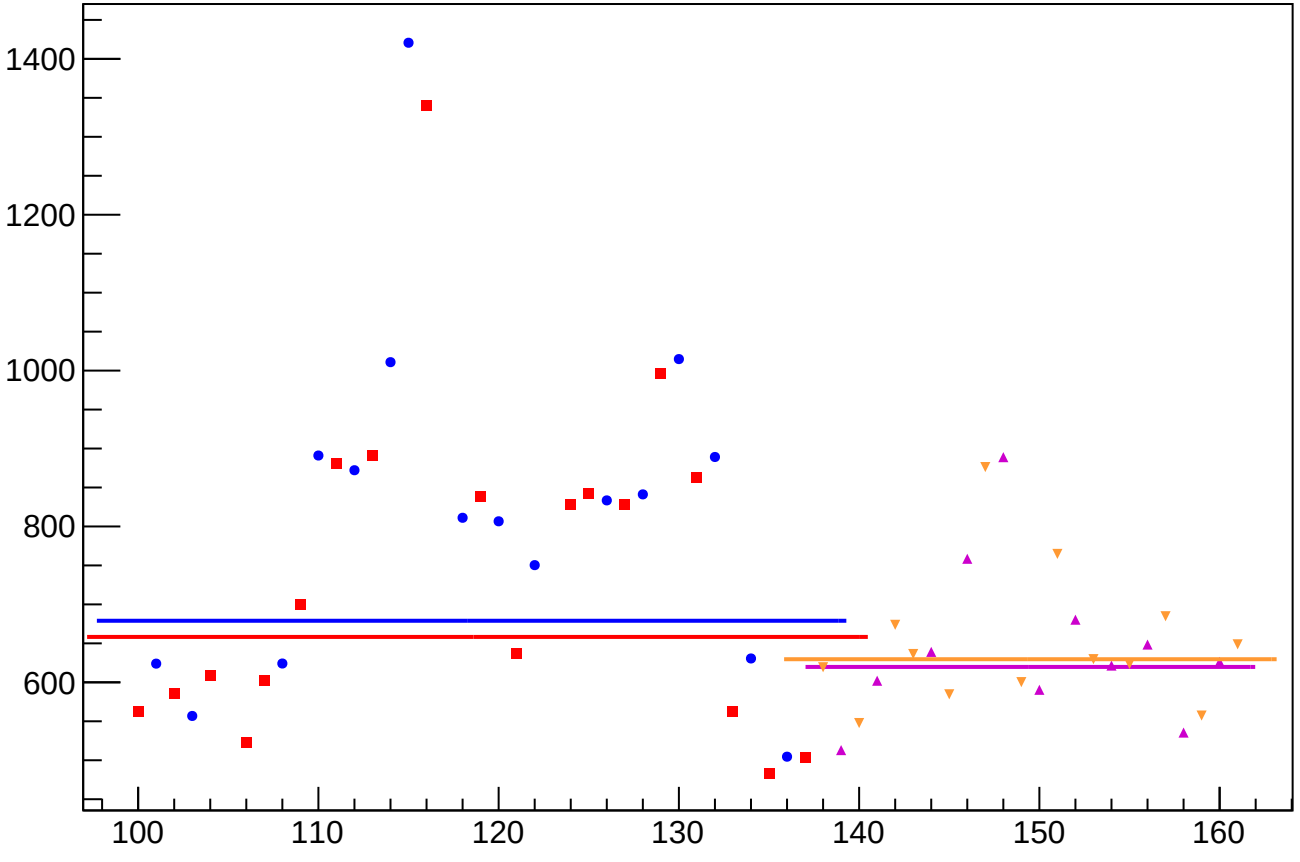
Left In: 206.447+/-203.352 χ^2/NDF:16.2/10

+ sign 121.140+/-157.368 χ^2/NDF: 23.4/28

All: 214.143+/-111.372 χ^2/NDF: 58.0/58

- sign 307.468+/-157.639 χ^2/NDF: 33.8/29

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 629.645+/-0.140 χ^2/NDF:274815.7/12

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

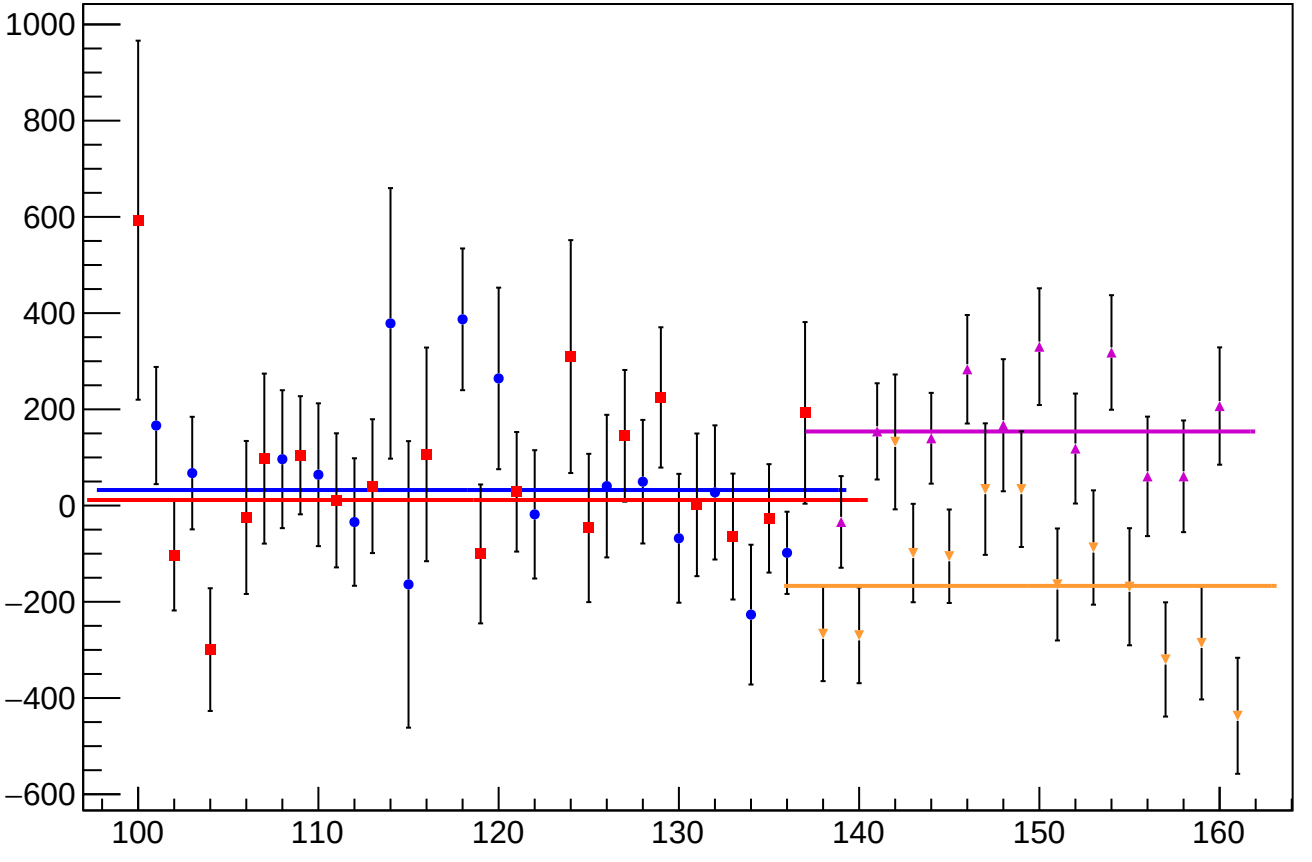
Left In: 619.755+/-0.144 χ^2/NDF:347862.0/10

\+ sign 647.770+/-0.111 χ^2/NDF: 1088518.4/28

All: 641.457+/-0.079 χ^2/NDF: 2277344.8/58

\- sign 635.122+/-0.111 χ^2/NDF: 1182377.9/29

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -166.913+/-31.559 χ^2/NDF:20.6/12

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

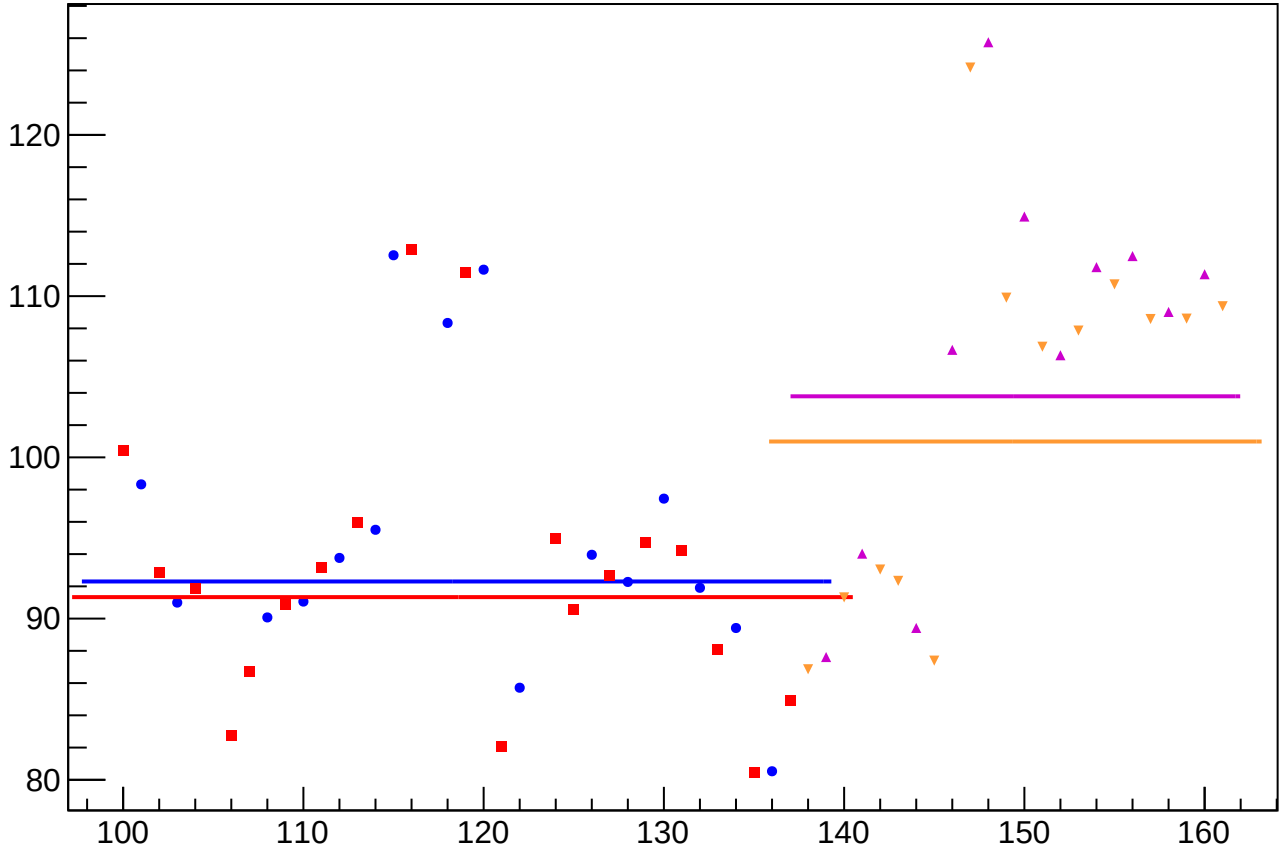
Left In: 153.988+/-33.795 χ^2/NDF:10.7/10

+ sign -75.948+/-23.264 χ^2/NDF: 56.1/28

All: 1.324+/-16.640 χ^2/NDF: 115.6/58

- sign 82.260+/-23.809 χ^2/NDF: 36.9/29

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 100.984+/-0.022 χ^2/NDF:239546.7/12

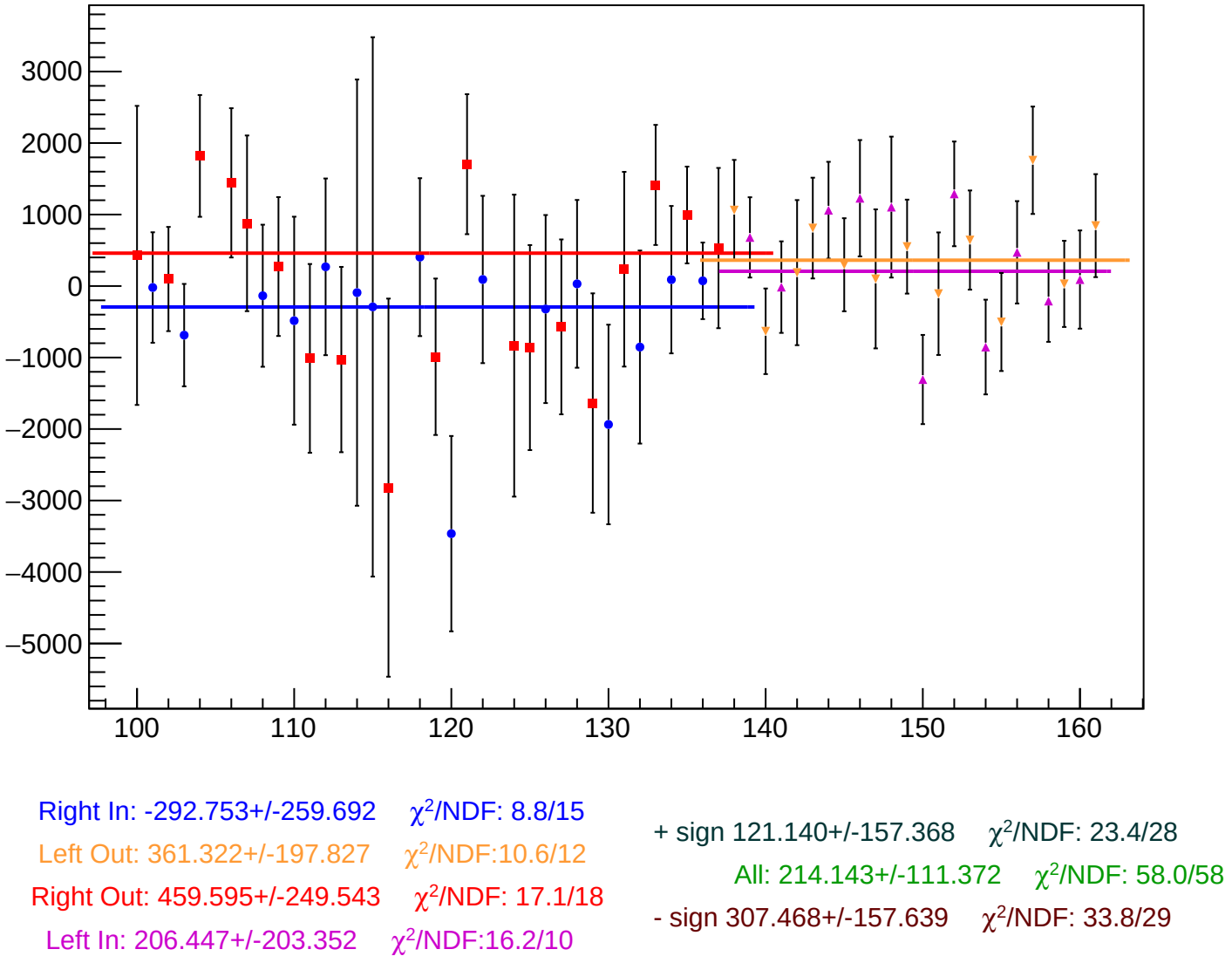
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 103.787+/-0.024 χ^2/NDF:224075.8/10

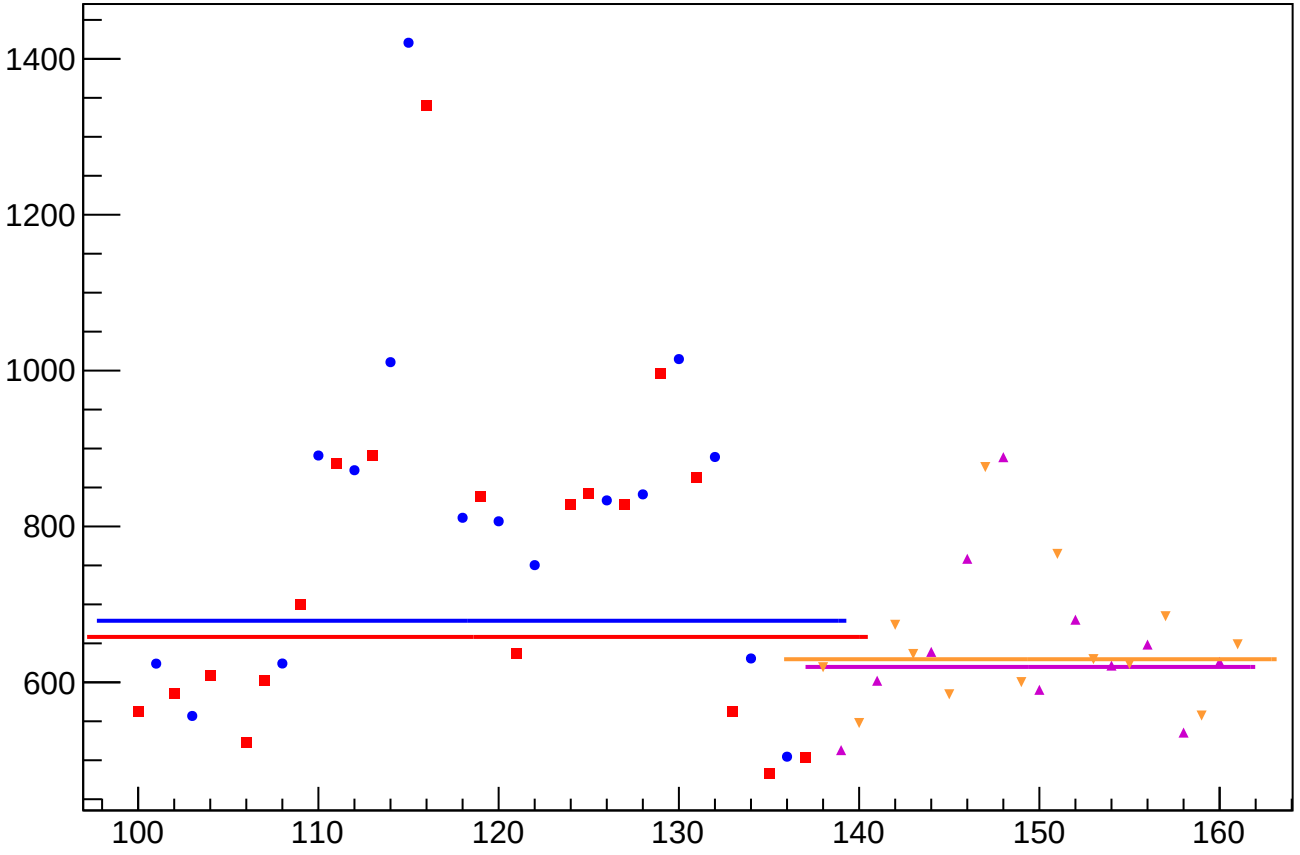
+ sign 97.020+/-0.016 χ^2/NDF: 415715.6/28

All: 97.261+/-0.012 χ^2/NDF: 881973.7/58

- sign 97.514+/-0.017 χ^2/NDF: 465817.6/29


asym_sam_15_dd_eigen_cor_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
100
110
120
130
140
150
160
Right In: -292.753+/-259.692 χ²/NDF: 8.8/15
Left Out: 361.322+/-197.827 χ²/NDF:10.6/12
Right Out: 459.595+/-249.543 χ²/NDF: 17.1/18
Left In: 206.447+/-203.352 χ²/NDF:16.2/10
+ sign 121.140+/-157.368 χ²/NDF: 23.4/28
All: 214.143+/-111.372 χ²/NDF: 58.0/58
- sign 307.468+/-157.639 χ²/NDF: 33.8/29

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 629.645+/-0.140 χ^2/NDF:274815.7/12

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

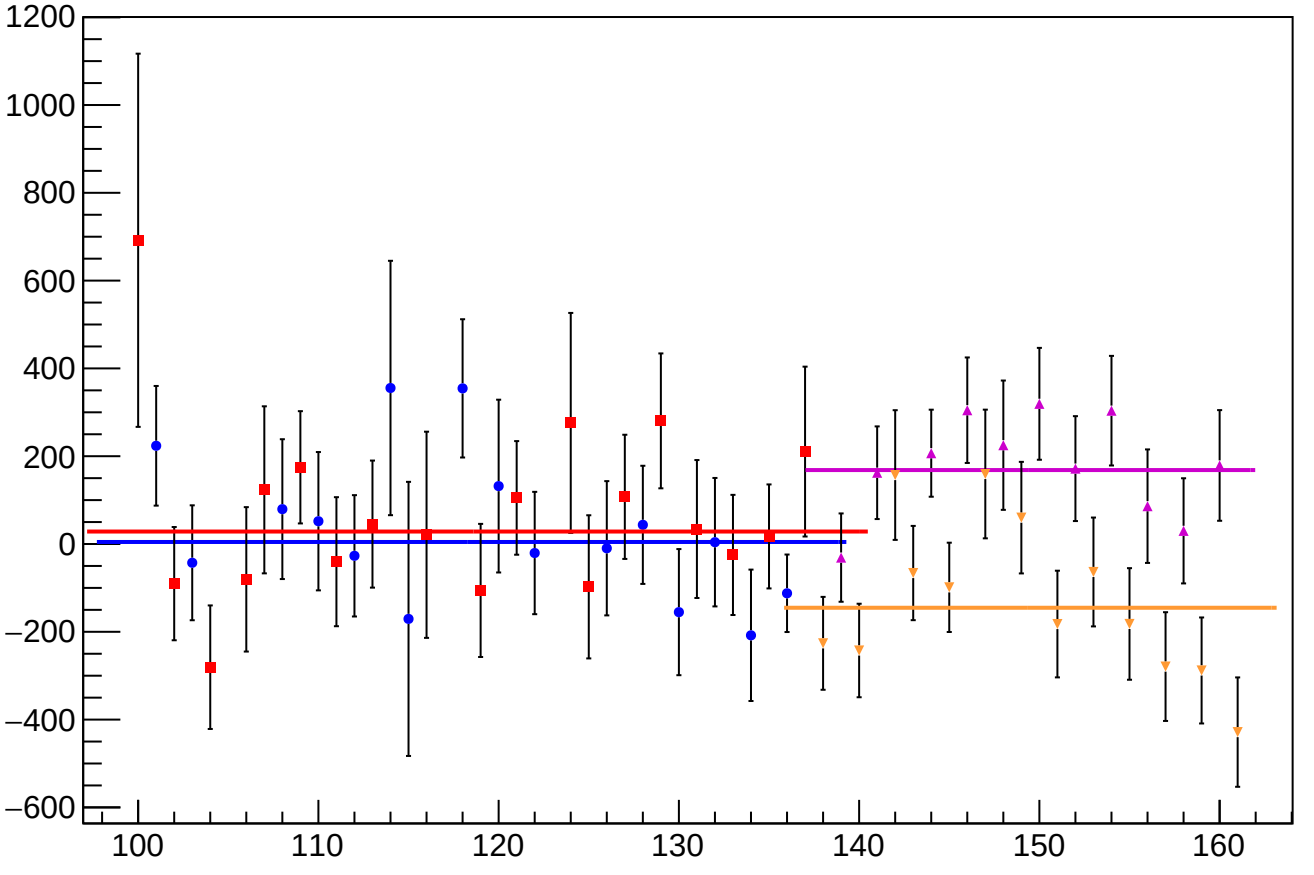
Left In: 619.755+/-0.144 χ^2/NDF:347862.0/10

\+ sign 647.770+/-0.111 χ^2/NDF: 1088518.4/28

All: 641.457+/-0.079 χ^2/NDF: 2277344.8/58

\- sign 635.122+/-0.111 χ^2/NDF: 1182377.9/29

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -145.221+/-33.185 χ^2/NDF:21.6/12

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

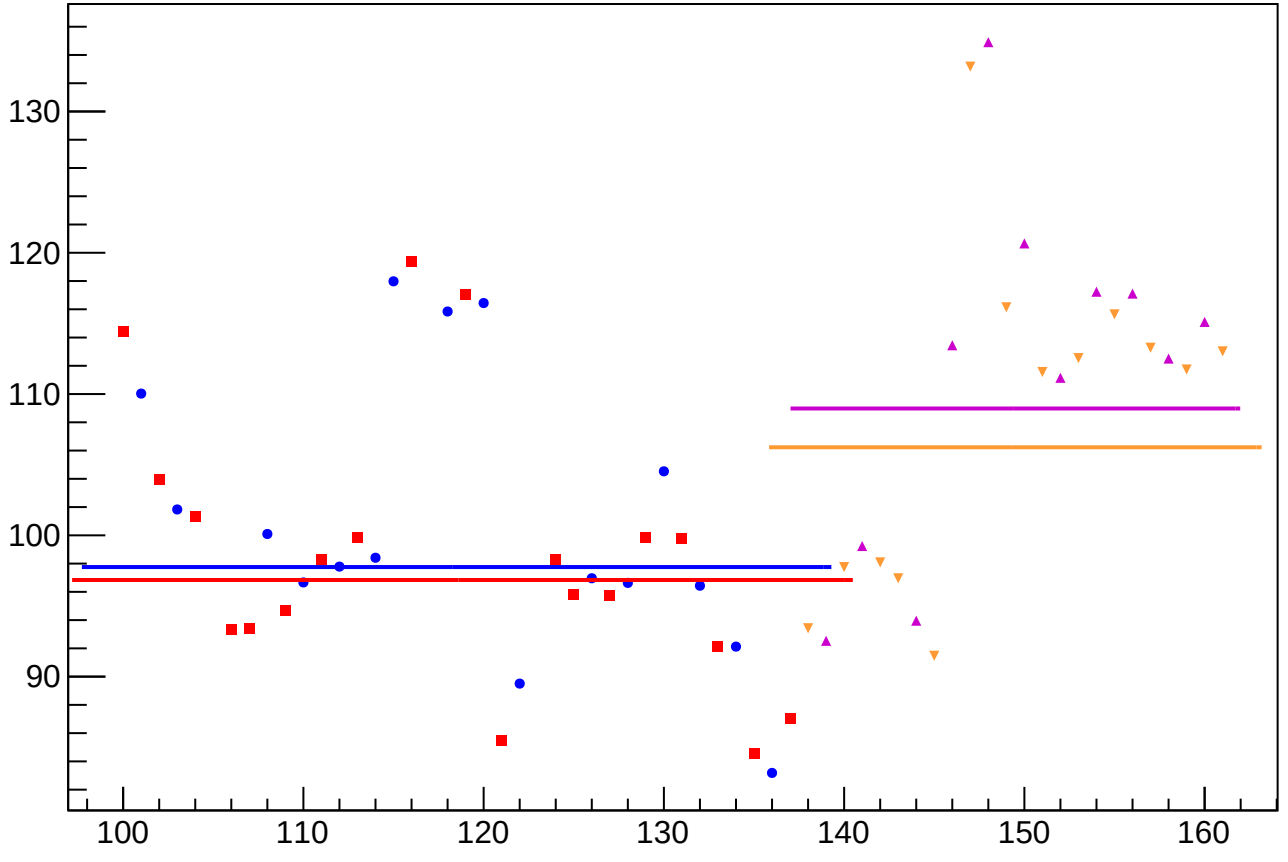
Left In: 168.444+/-35.489 χ^2/NDF:9.8/10

+ sign -77.432+/-24.556 χ^2/NDF: 46.2/28

All: 8.598+/-17.548 χ^2/NDF: 106.0/58

- sign 98.378+/-25.086 χ^2/NDF: 34.7/29

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 106.232+/-0.023 χ^2/NDF:221383.8/12

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

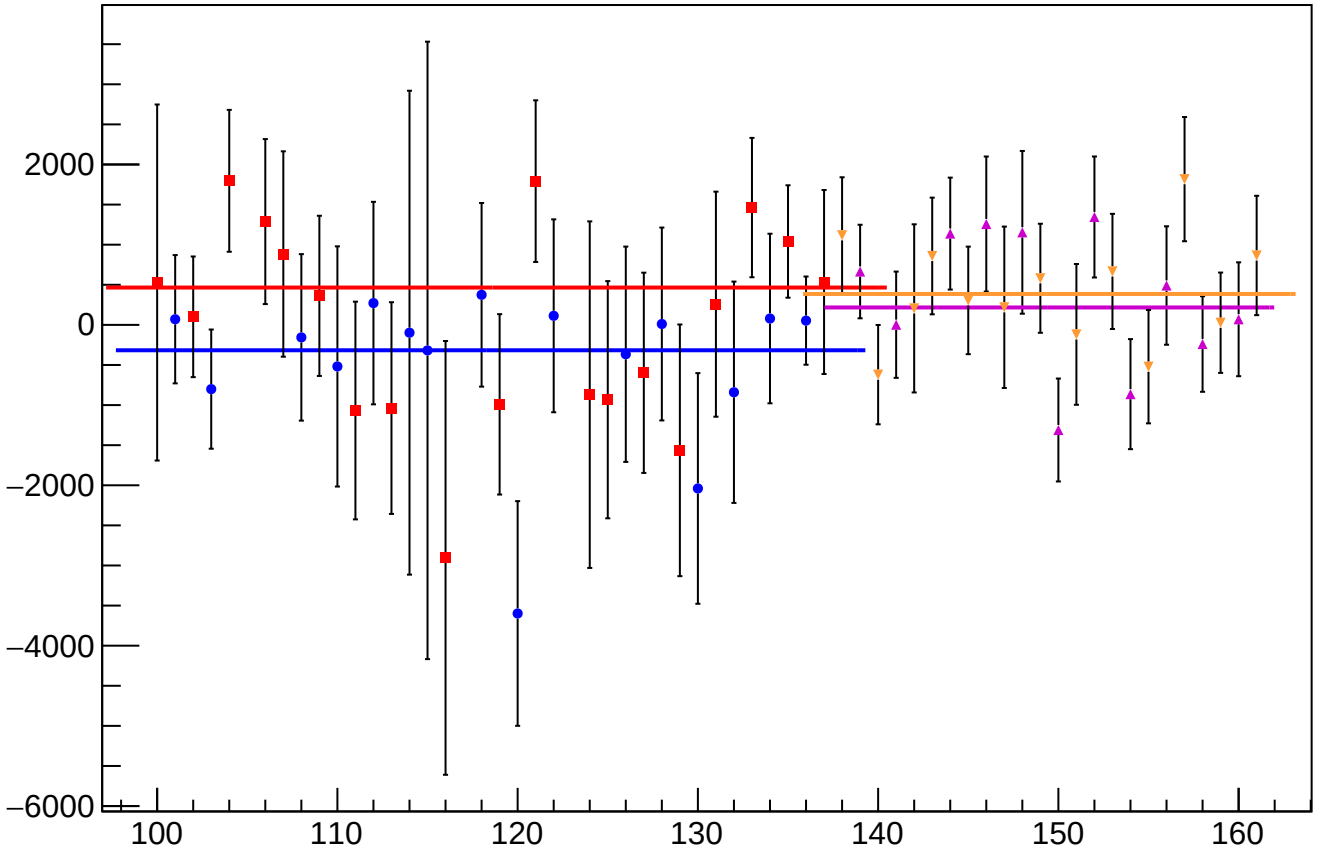
Left In: 108.978+/-0.025 χ^2/NDF:221749.9/10

\+ sign 102.397+/-0.017 χ^2/NDF: 421069.4/28

All: 102.646+/-0.012 χ^2/NDF: 875464.5/58

\- sign 102.905+/-0.018 χ^2/NDF: 453977.7/29

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 385.553+/-204.281 χ^2/NDF:10.5/12

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

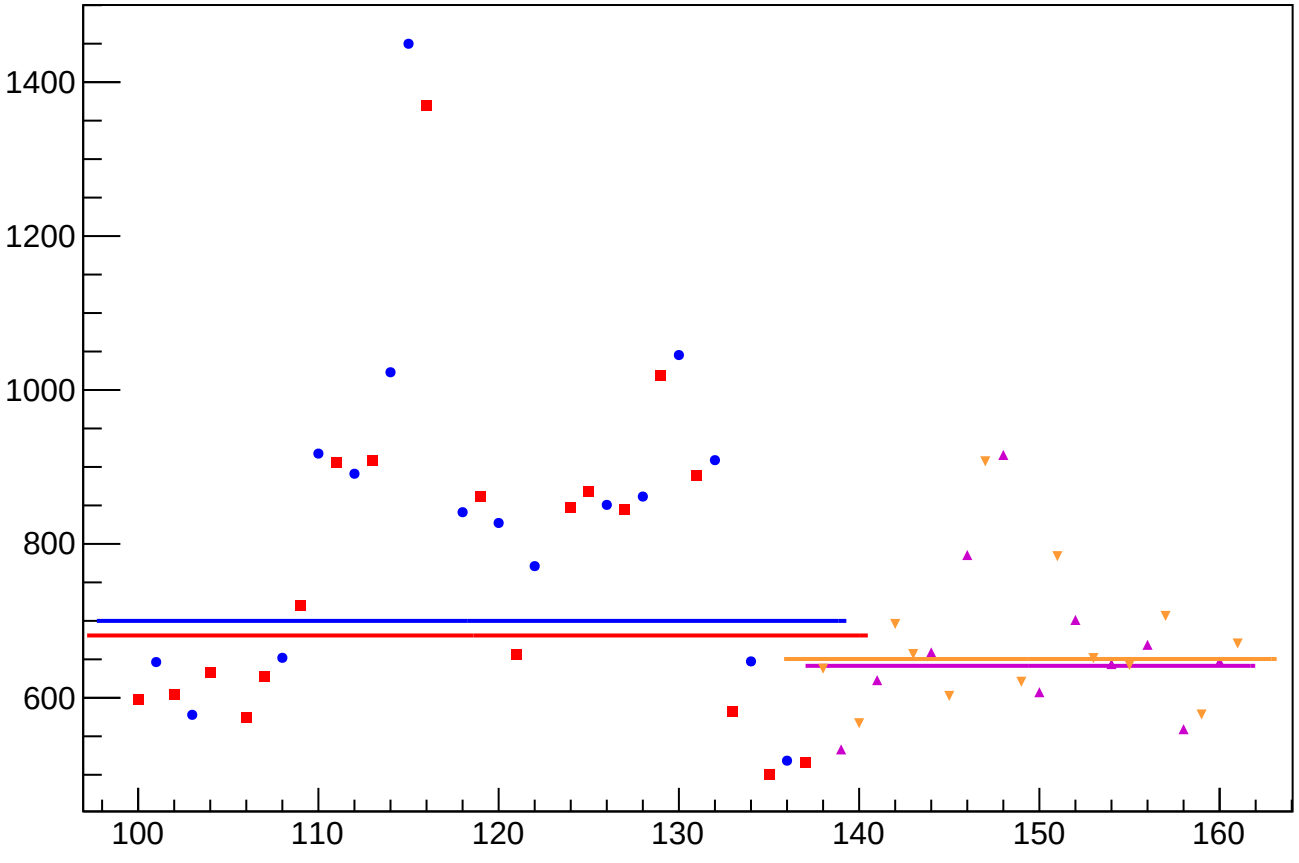
Left In: 217.256+/-210.372 χ^2/NDF:16.0/10

\+ sign 126.934+/-162.357 χ^2/NDF: 24.0/28

All: 221.793+/-114.924 χ^2/NDF: 57.7/58

\- sign 317.051+/-162.698 χ^2/NDF: 33.0/29

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 650.454+/-0.144 χ^2/NDF:270319.0/12

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

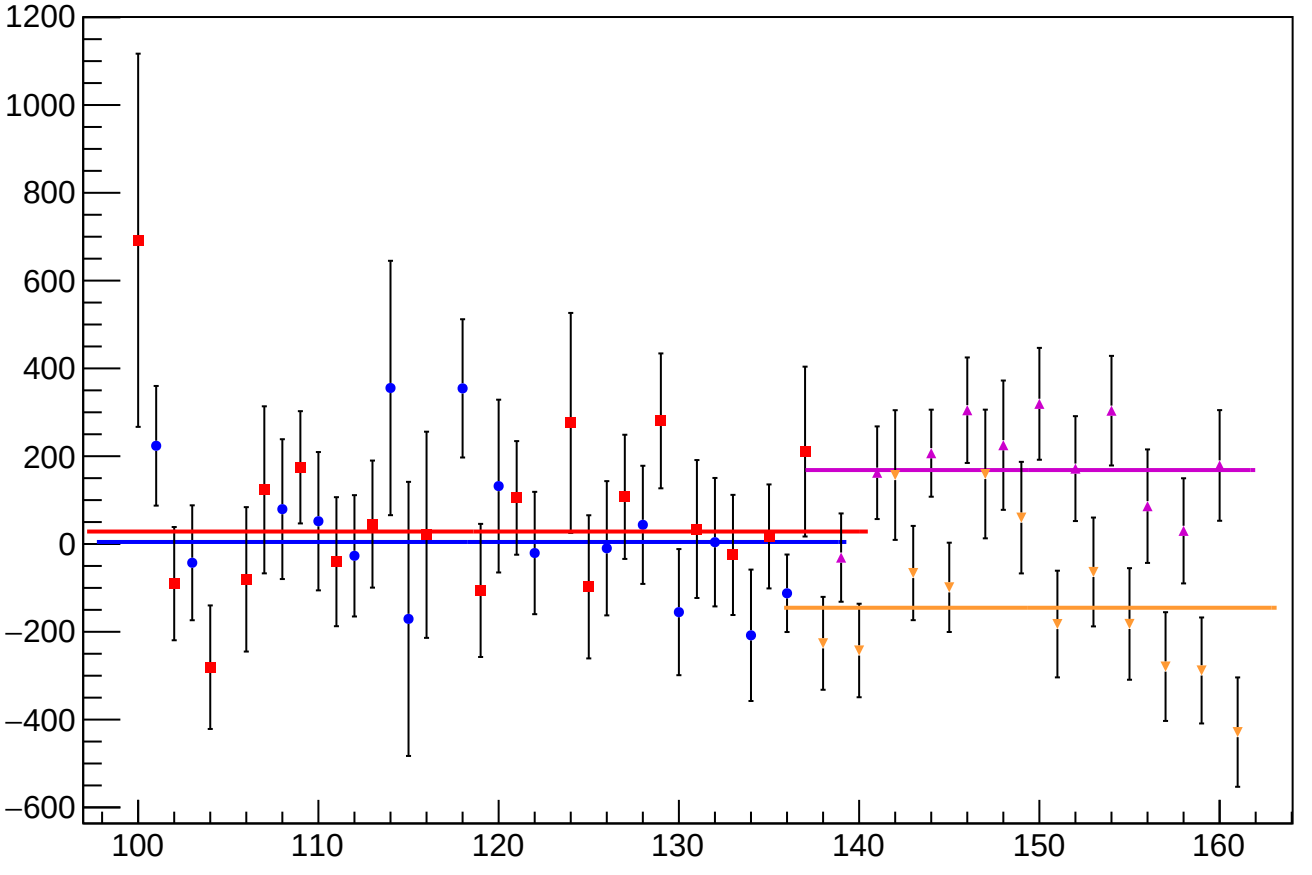
Left In: 641.570+/-0.149 χ^2/NDF:335789.4/10

+ sign 668.694+/-0.115 χ^2/NDF: 1067270.7/28

All: 663.070+/-0.081 χ^2/NDF: 2205526.4/58

- sign 657.423+/-0.115 χ^2/NDF: 1133446.4/29

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -145.221+/-33.185 χ^2/NDF:21.6/12

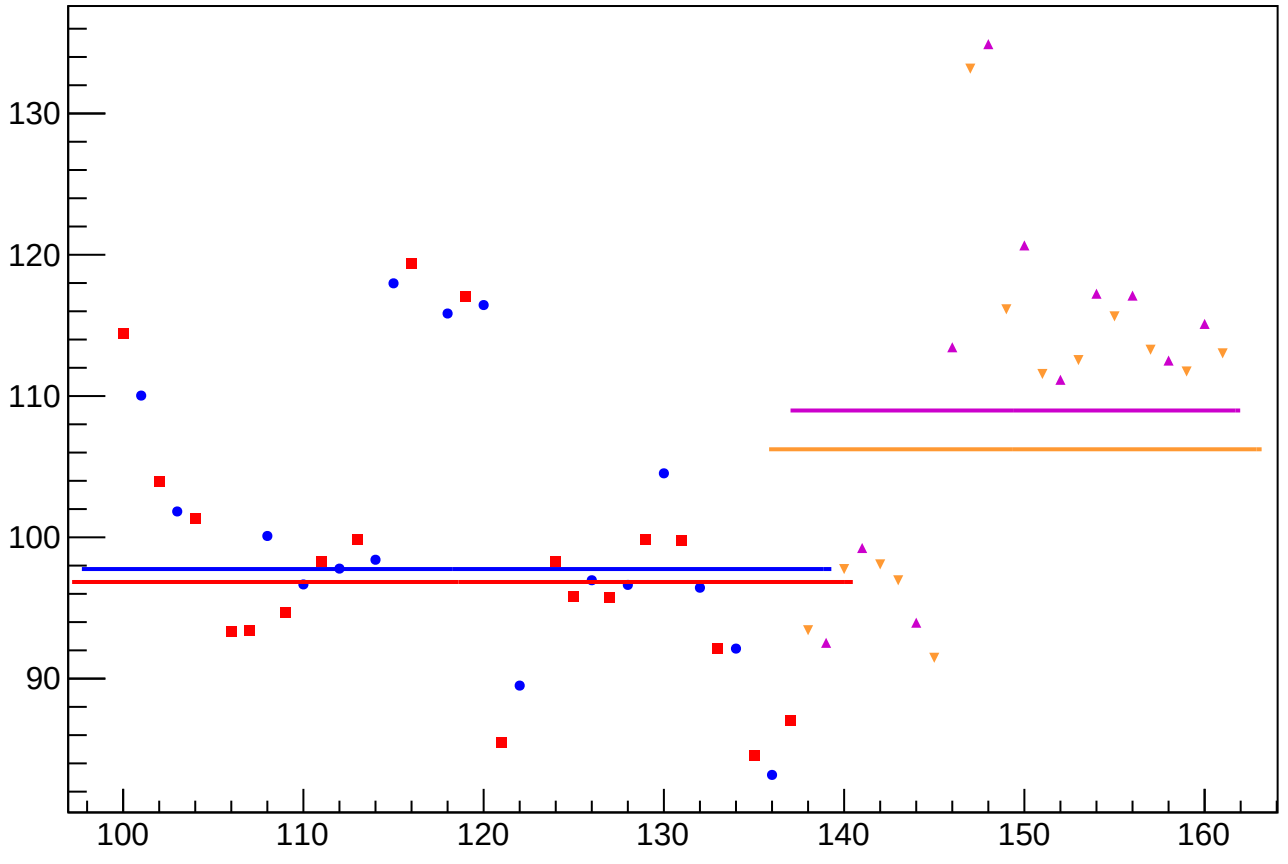
Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 168.444+/-35.489 χ^2/NDF:9.8/10

\+ sign -77.431+/-24.556 χ^2/NDF: 46.2/28

All: 8.598+/-17.548 χ^2/NDF: 106.0/58

\- sign 98.378+/-25.086 χ^2/NDF: 34.7/29



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 106.232+/-0.023 χ^2/NDF:221383.5/12

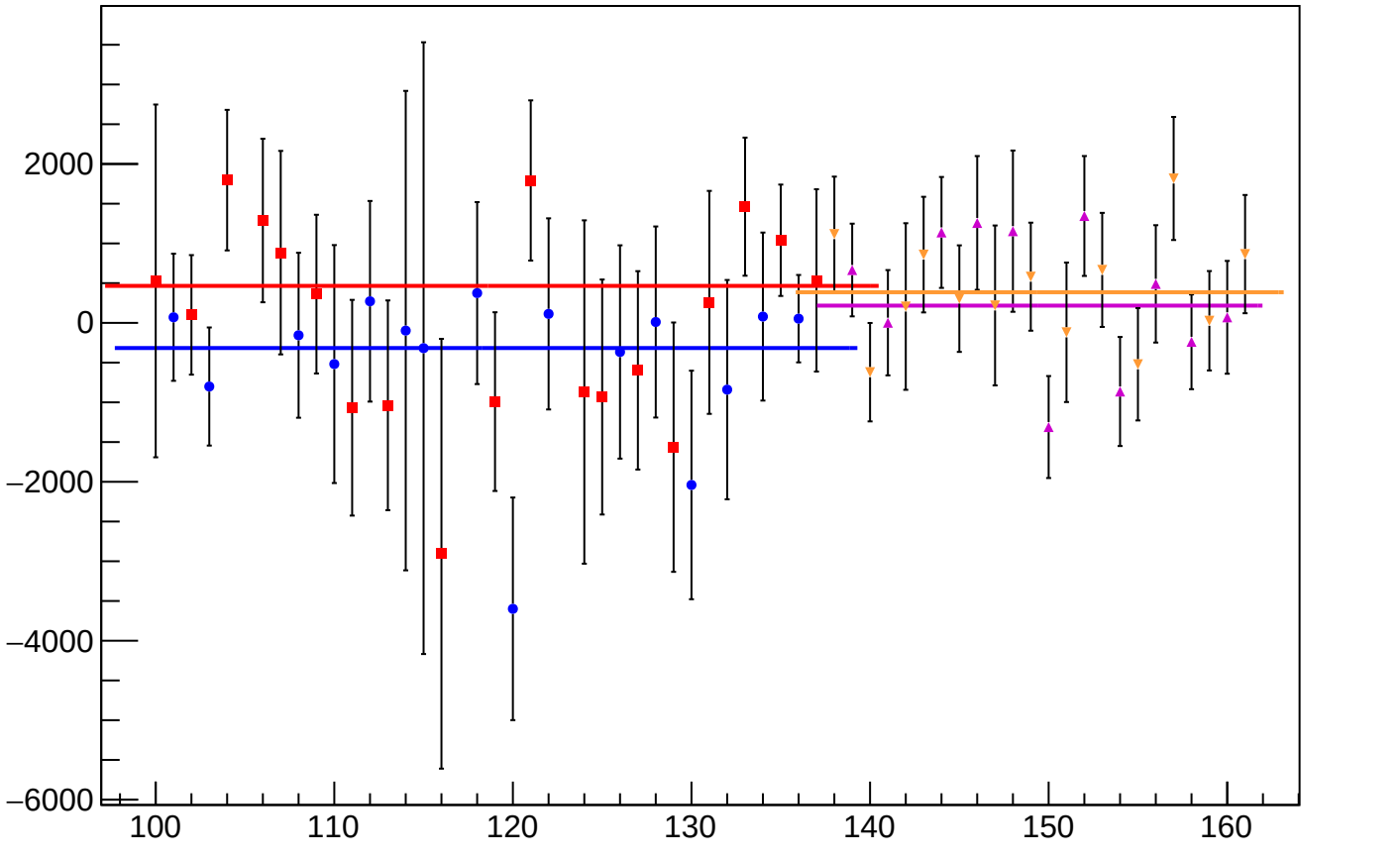
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 108.978+/-0.025 χ^2/NDF:221748.9/10

\+ sign 102.397+/-0.017 χ^2/NDF: 421074.7/28

All: 102.645+/-0.012 χ^2/NDF: 875480.1/58

\- sign 102.904+/-0.018 χ^2/NDF: 453988.1/29



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 385.553+/-204.282 χ^2/NDF:10.5/12

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

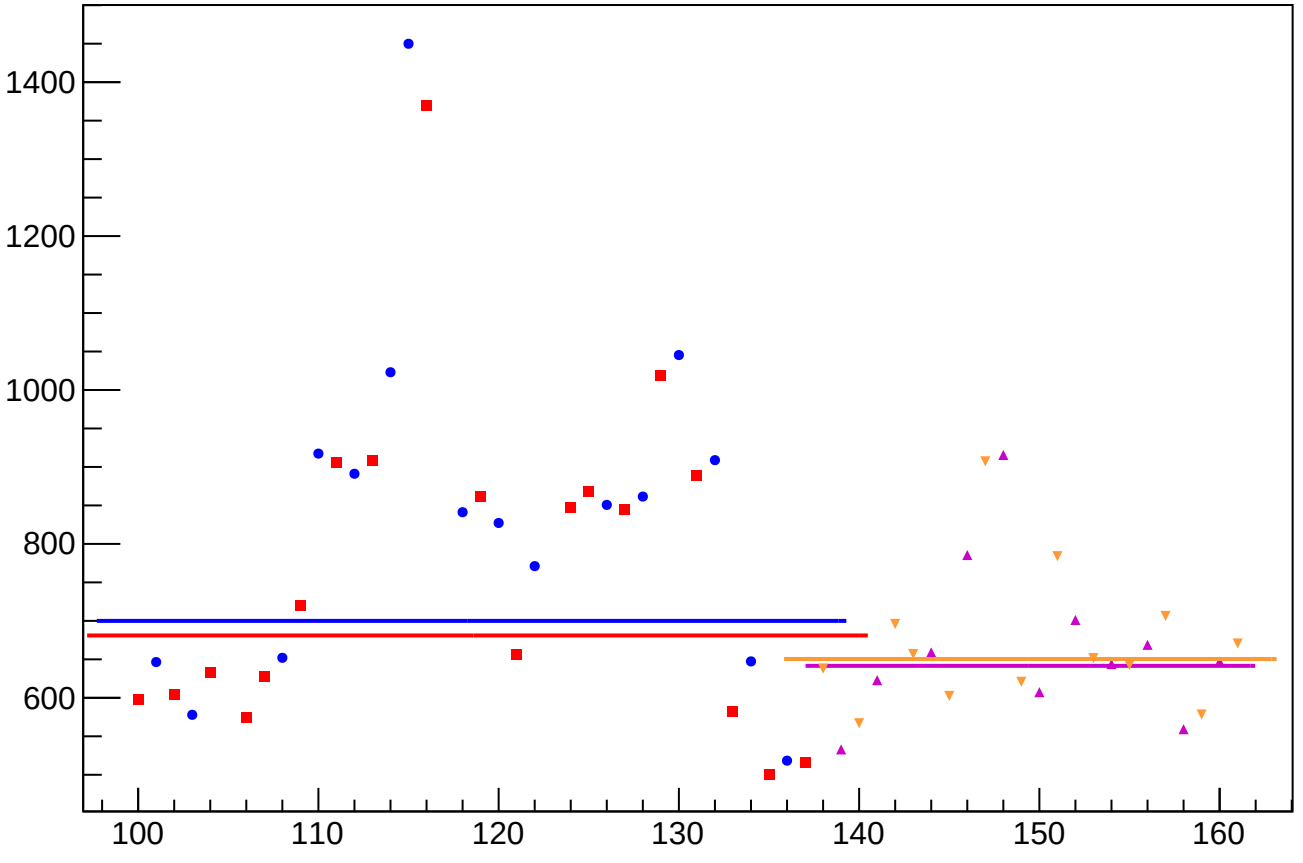
Left In: 217.258+/-210.373 χ^2/NDF:16.0/10

\+ sign 126.934+/-162.357 χ^2/NDF: 24.0/28

All: 221.794+/-114.924 χ^2/NDF: 57.7/58

\- sign 317.052+/-162.698 χ^2/NDF: 33.0/29

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 650.455+/-0.144 χ^2/NDF:270319.6/12

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

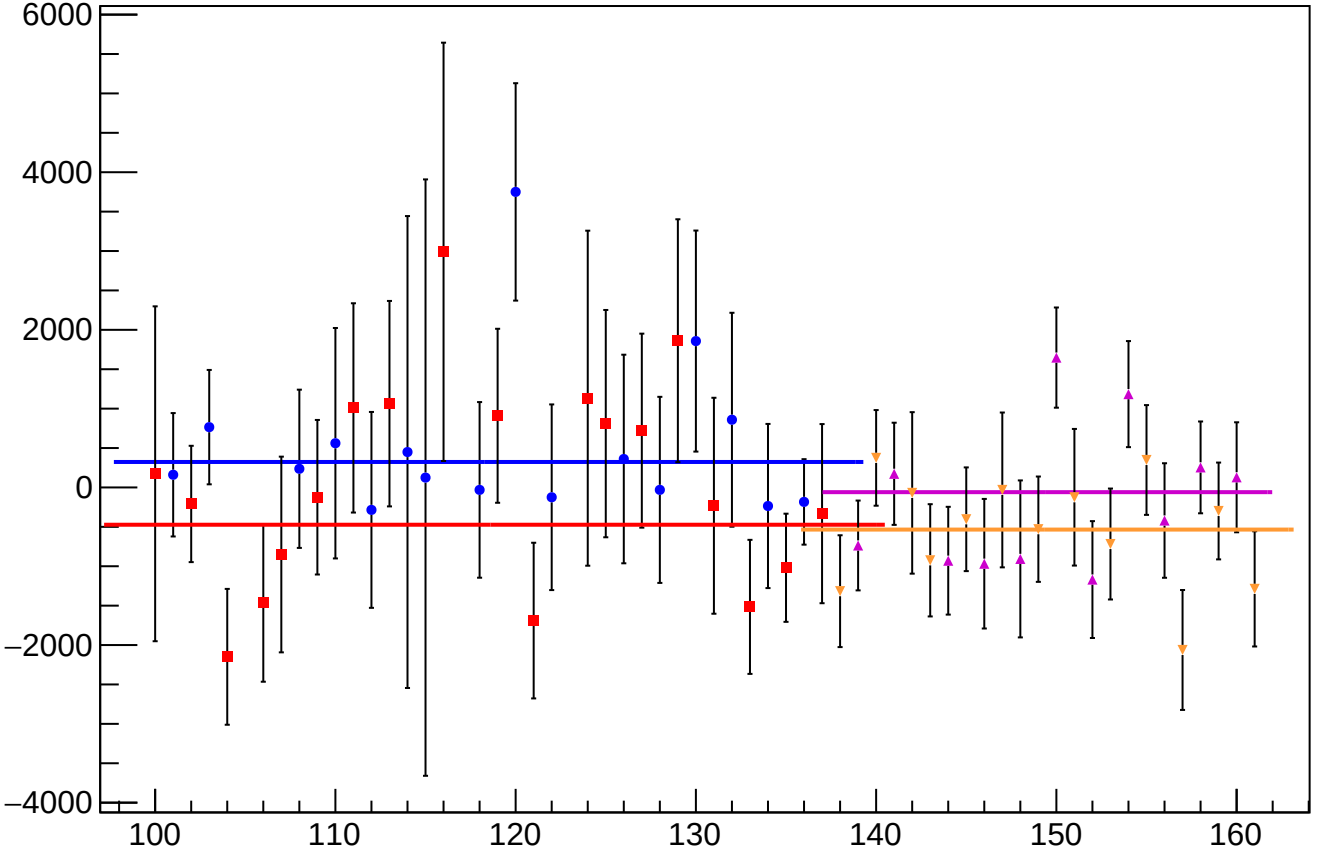
Left In: 641.571+/-0.149 χ^2/NDF:335791.0/10

+ sign 668.694+/-0.115 χ^2/NDF: 1067270.3/28

All: 663.070+/-0.081 χ^2/NDF: 2205527.5/58

- sign 657.423+/-0.115 χ^2/NDF: 1133447.7/29

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -534.727+/-200.522 χ^2/NDF:11.4/12

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

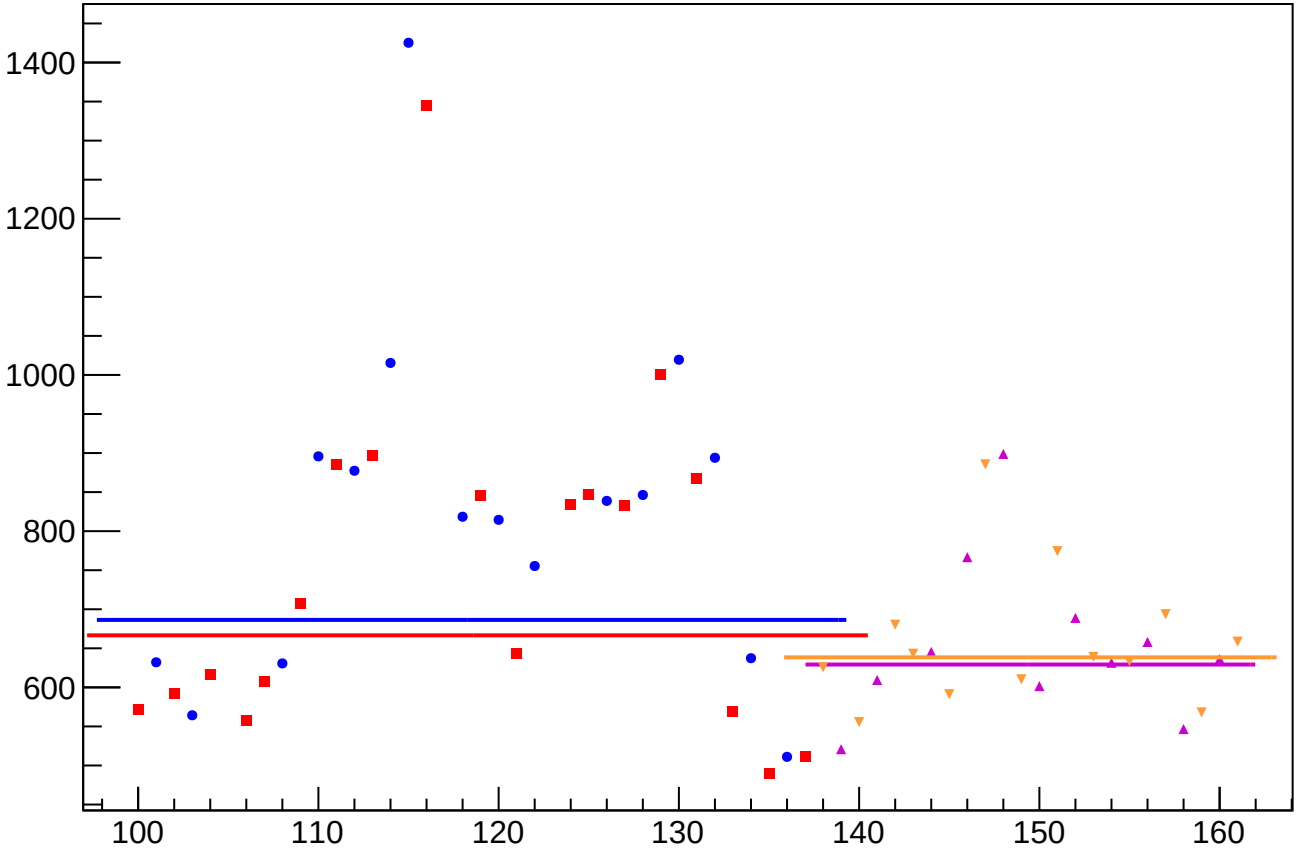
Left In: -59.871+/-206.377 χ^2/NDF:18.6/10

+ sign -218.326+/-159.311 χ^2/NDF: 27.9/28

All: -222.329+/-112.715 χ^2/NDF: 67.5/58

- sign -226.342+/-159.496 χ^2/NDF: 39.6/29

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 638.436+/-0.142 χ^2/NDF:269492.6/12

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

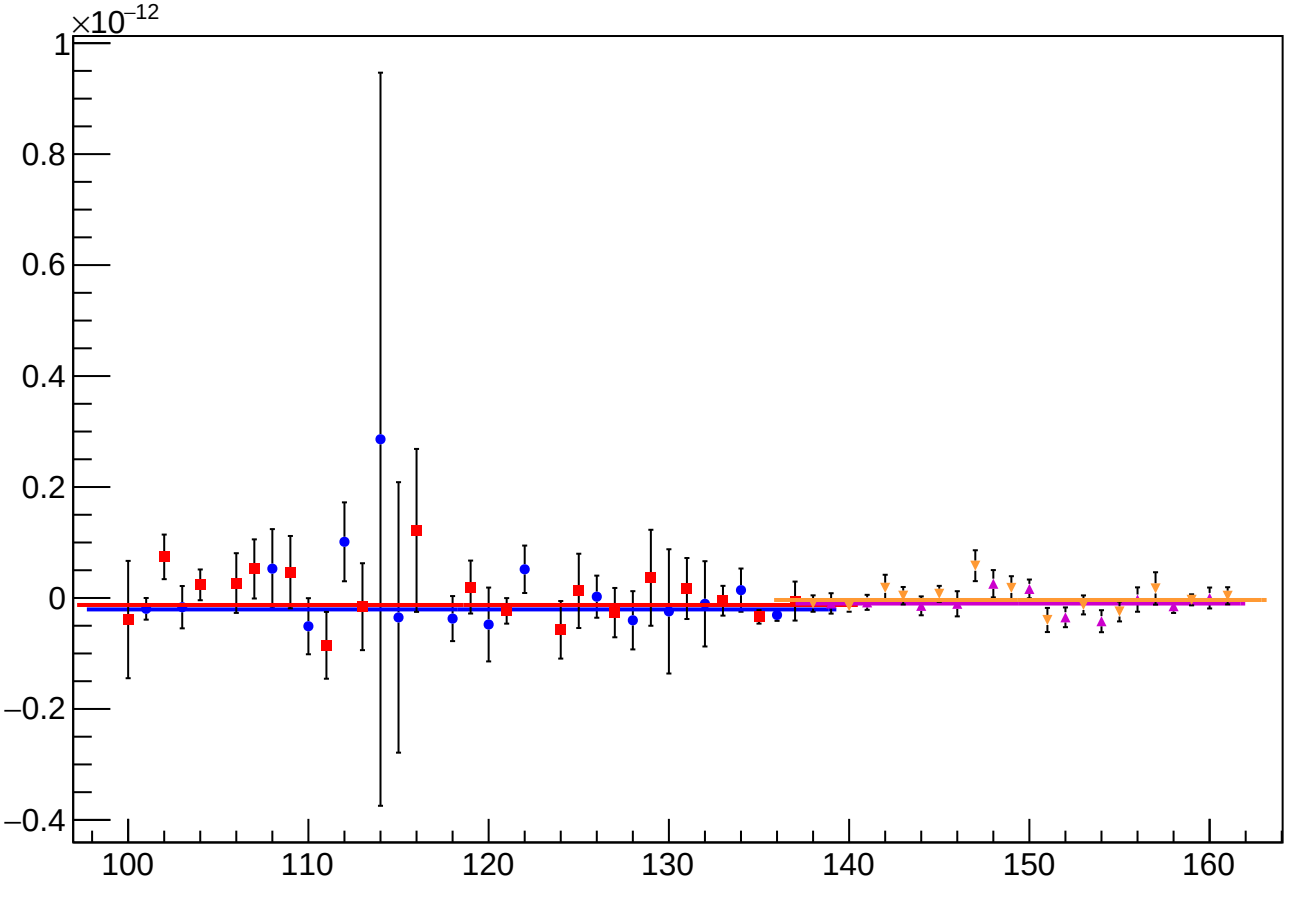
Left In: 629.249+/-0.146 χ^2/NDF:338122.9/10

+ sign 656.123+/-0.113 χ^2/NDF: 1061138.2/28

All: 650.221+/-0.080 χ^2/NDF: 2208222.0/58

- sign 644.305+/-0.113 χ^2/NDF: 1141587.5/29

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:14.2/12

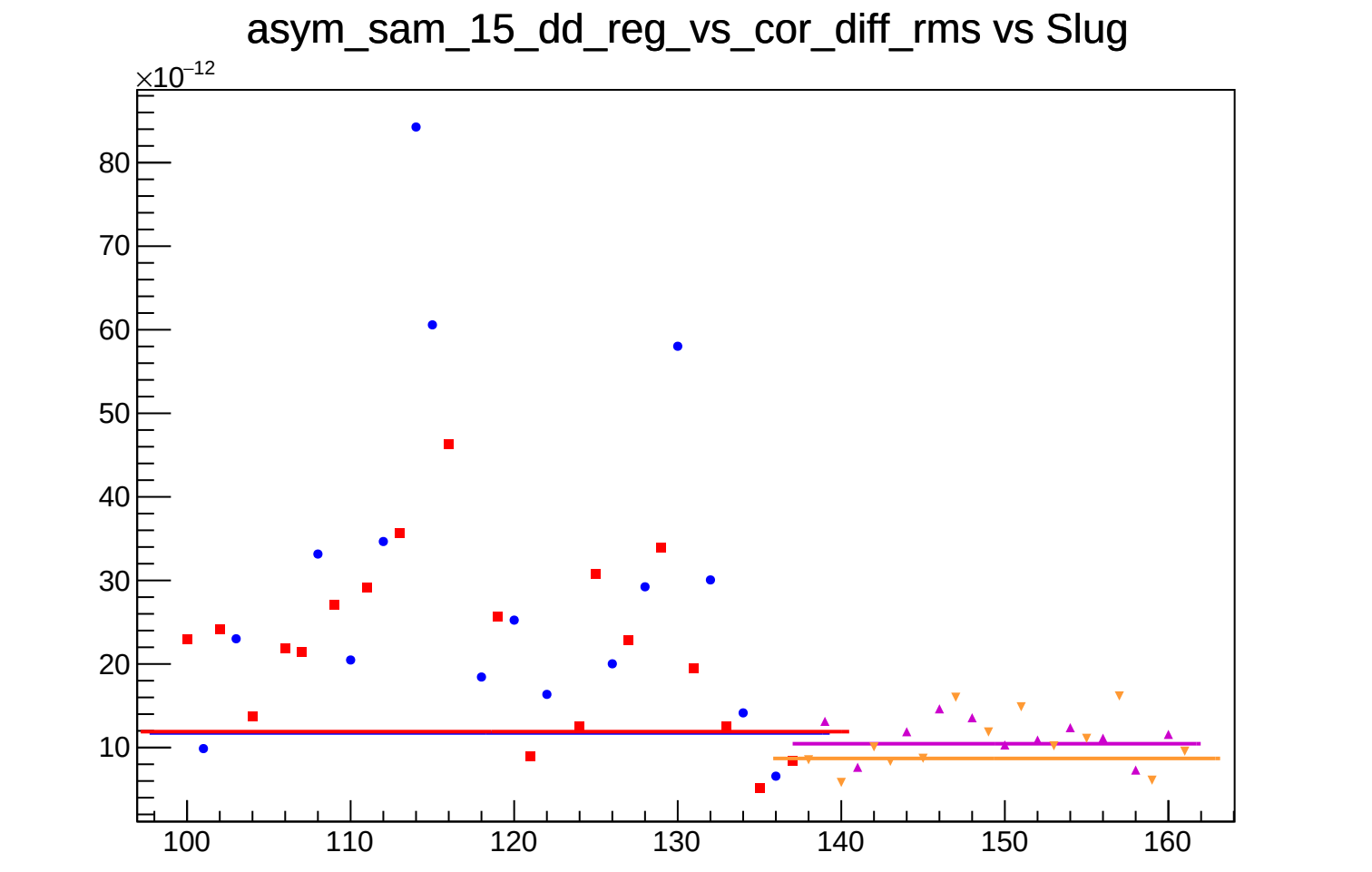
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 27.9/28

All: -0.000+/-0.000 χ^2/NDF: 55.0/58

- sign -0.000+/-0.000 χ^2/NDF: 26.8/29


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug
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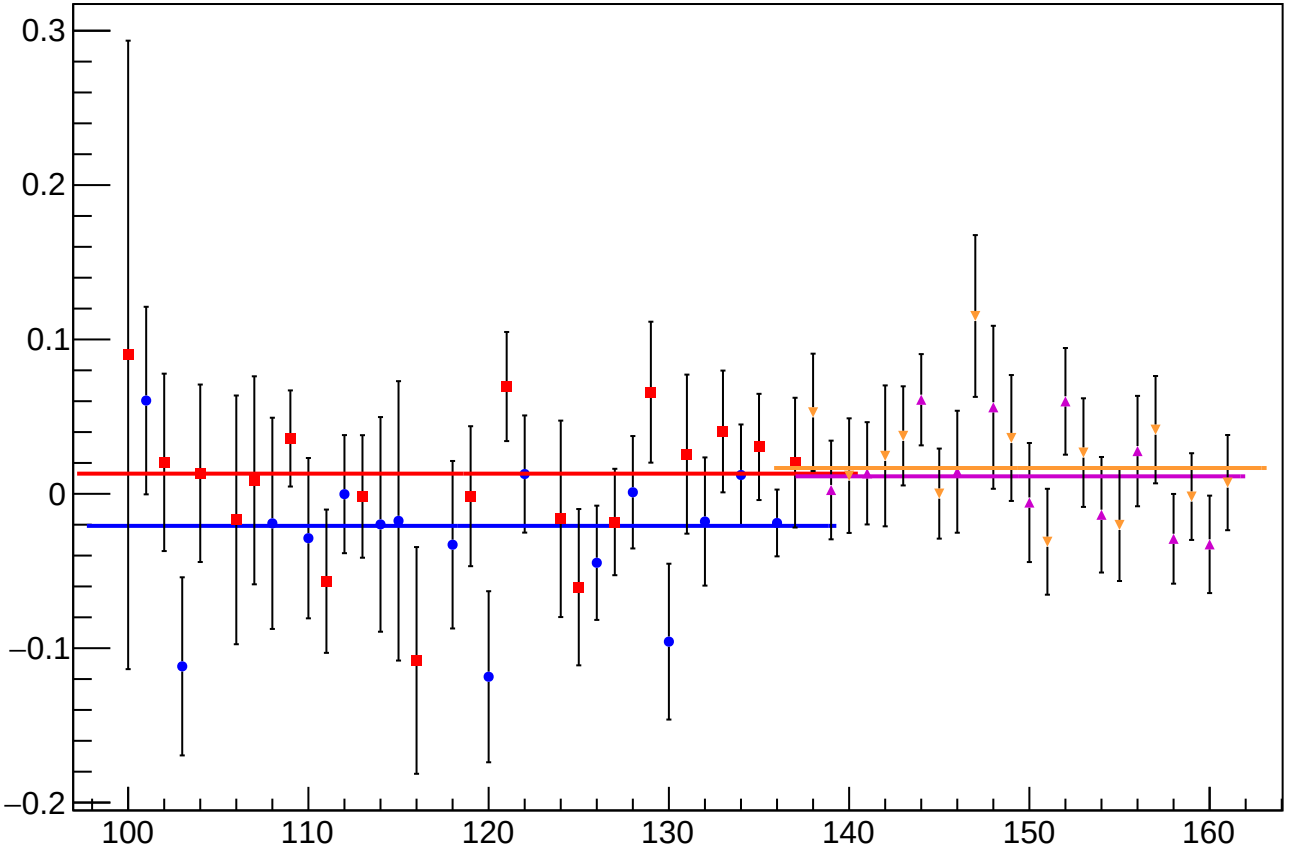
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:844427.7/12
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:405016.7/10
+ sign 0.000+/-0.000 χ²/NDF: 3238612.9/28
All: 0.000+/-0.000 χ²/NDF: 6025019.1/58
- sign 0.000+/-0.000 χ²/NDF: 2654390.4/29

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: 0.017+/-0.010 χ^2/NDF:9.5/12

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

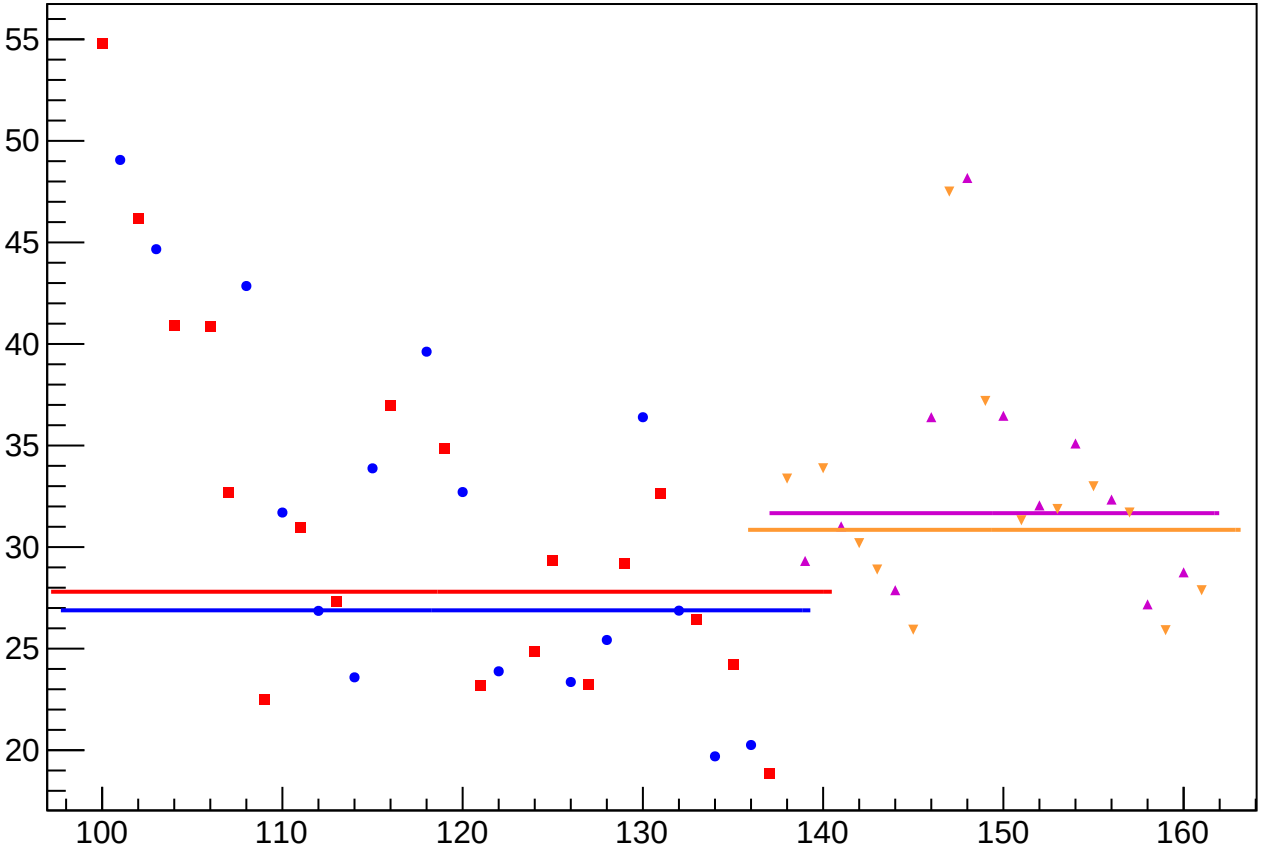
Left In: 0.011+/-0.010 χ^2/NDF:10.3/10

\+ sign -0.001+/-0.007 χ^2/NDF: 28.9/28

All: 0.006+/-0.005 χ^2/NDF: 54.7/58

\- sign 0.012+/-0.007 χ^2/NDF: 24.3/29

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: 30.850+/-0.007 χ^2/NDF:427919.0/12

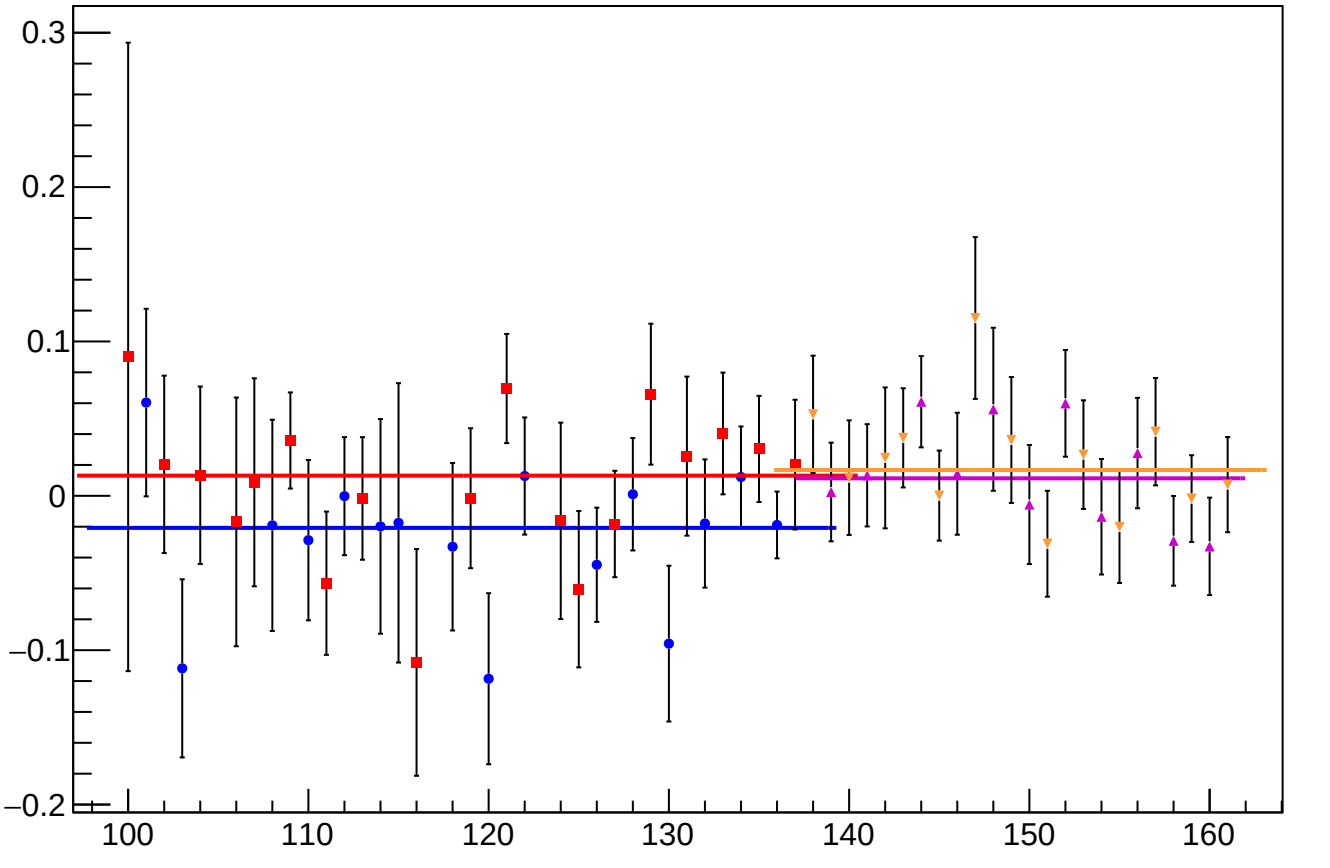
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.670+/-0.007 χ^2/NDF:382015.4/10

+ sign 29.021+/-0.005 χ^2/NDF: 1701717.8/28

All: 29.377+/-0.004 χ^2/NDF: 2993505.1/58

- sign 29.760+/-0.005 χ^2/NDF: 1281455.6/29



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.017+/-0.010 χ^2/NDF:9.5/12

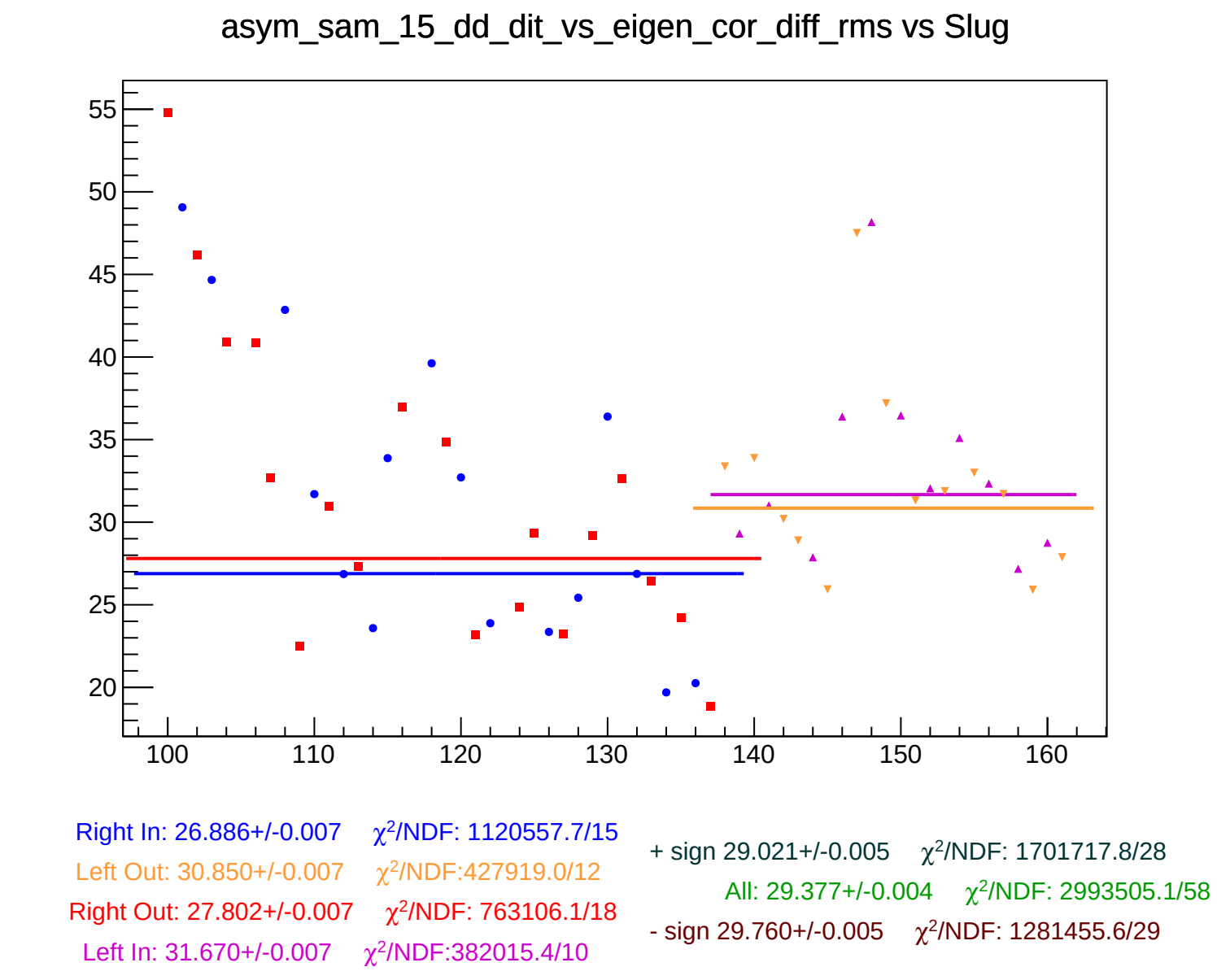
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.011+/-0.010 χ^2/NDF:10.3/10

+ sign -0.001+/-0.007 χ^2/NDF: 28.9/28

All: 0.006+/-0.005 χ^2/NDF: 54.7/58

- sign 0.012+/-0.007 χ^2/NDF: 24.3/29


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug
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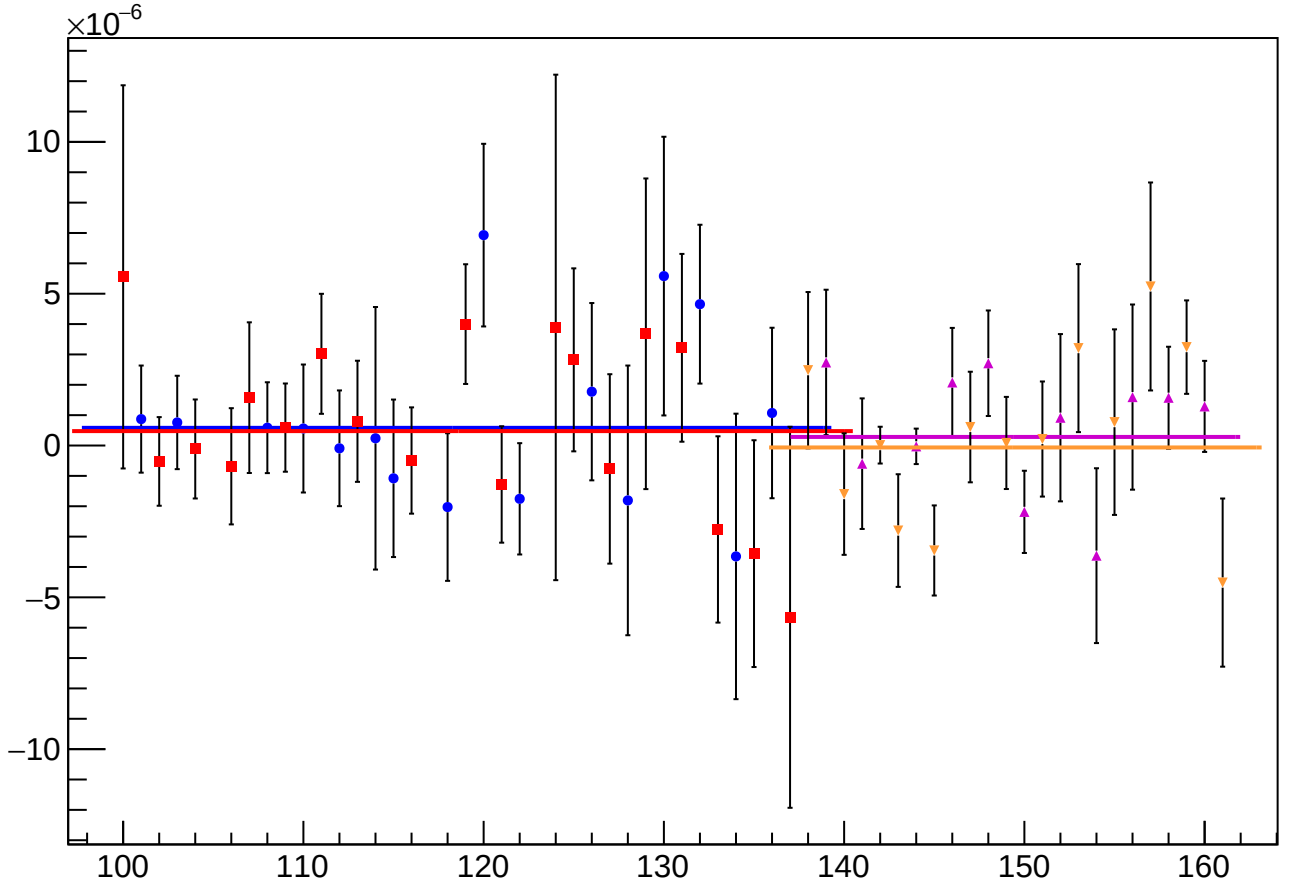
Right In: 26.886+/-0.007 χ²/NDF: 1120557.7/15
Left Out: 30.850+/-0.007 χ²/NDF:427919.0/12
Right Out: 27.802+/-0.007 χ²/NDF: 763106.1/18
Left In: 31.670+/-0.007 χ²/NDF:382015.4/10
+ sign 29.021+/-0.005 χ²/NDF: 1701717.8/28
All: 29.377+/-0.004 χ²/NDF: 2993505.1/58
- sign 29.760+/-0.005 χ²/NDF: 1281455.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/12

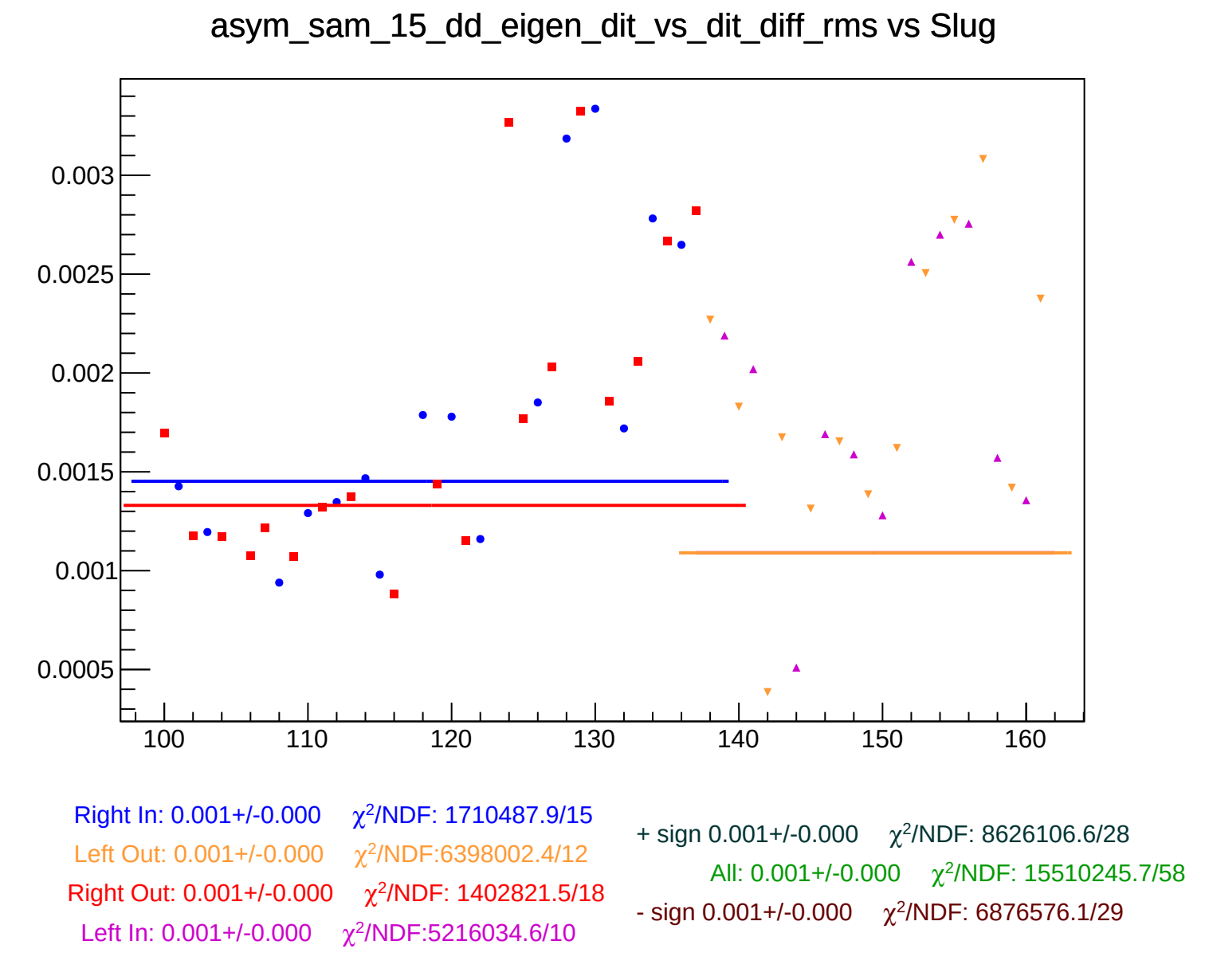
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 33.8/28

All: 0.000+/-0.000 χ^2/NDF: 58.1/58

- sign 0.000+/-0.000 χ^2/NDF: 24.2/29


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug
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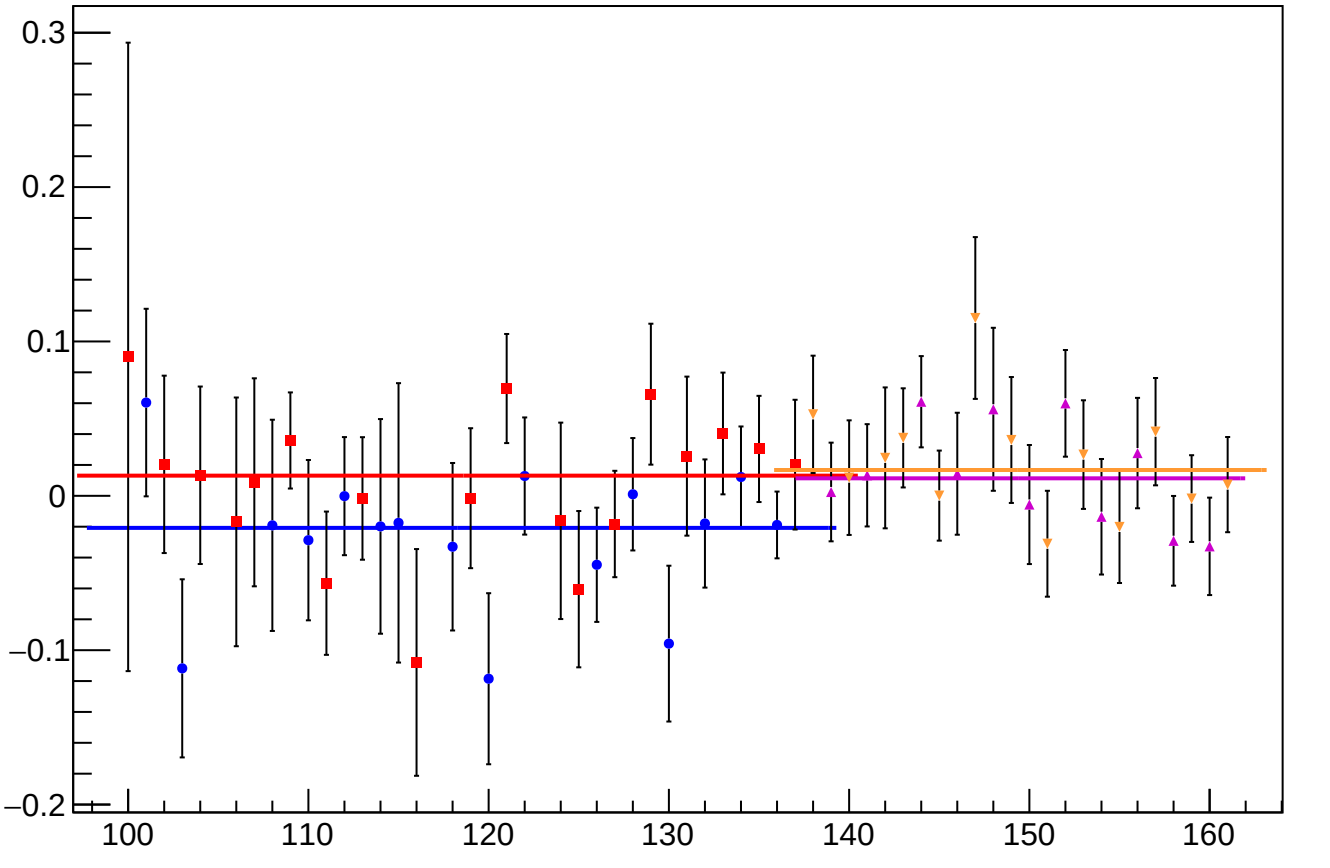
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:6398002.4/12
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:5216034.6/10
+ sign 0.001+/-0.000 χ²/NDF: 8626106.6/28
All: 0.001+/-0.000 χ²/NDF: 15510245.7/58
- sign 0.001+/-0.000 χ²/NDF: 6876576.1/29



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.017+/-0.010 χ^2/NDF:9.5/12

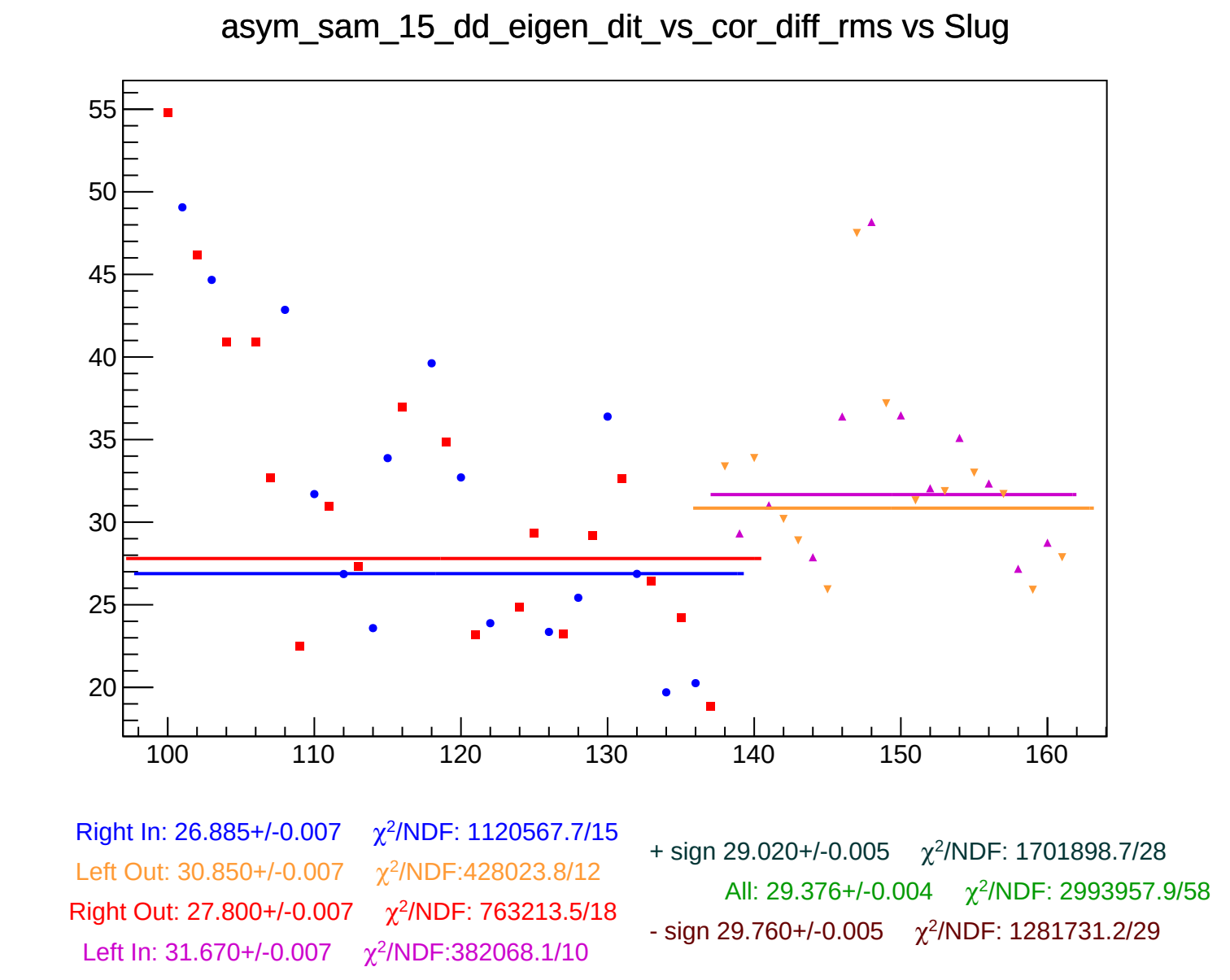
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.011+/-0.010 χ^2/NDF:10.3/10

+ sign -0.001+/-0.007 χ^2/NDF: 28.9/28

All: 0.006+/-0.005 χ^2/NDF: 54.7/58

- sign 0.012+/-0.007 χ^2/NDF: 24.3/29


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug
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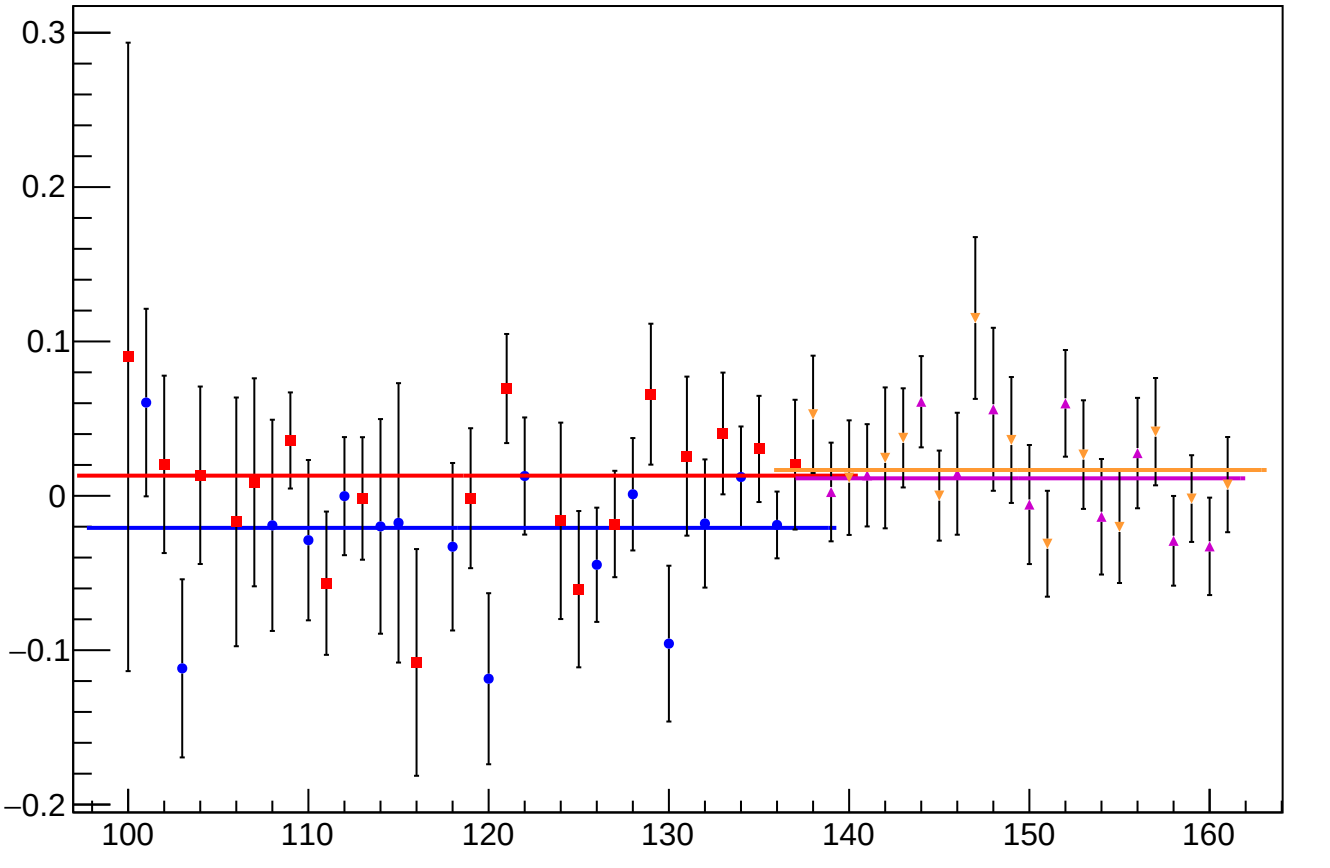
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 30.850+/-0.007 χ²/NDF:428023.8/12
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 31.670+/-0.007 χ²/NDF:382068.1/10
+ sign 29.020+/-0.005 χ²/NDF: 1701898.7/28
All: 29.376+/-0.004 χ²/NDF: 2993957.9/58
- sign 29.760+/-0.005 χ²/NDF: 1281731.2/29



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.017+/-0.010 χ^2/NDF:9.5/12

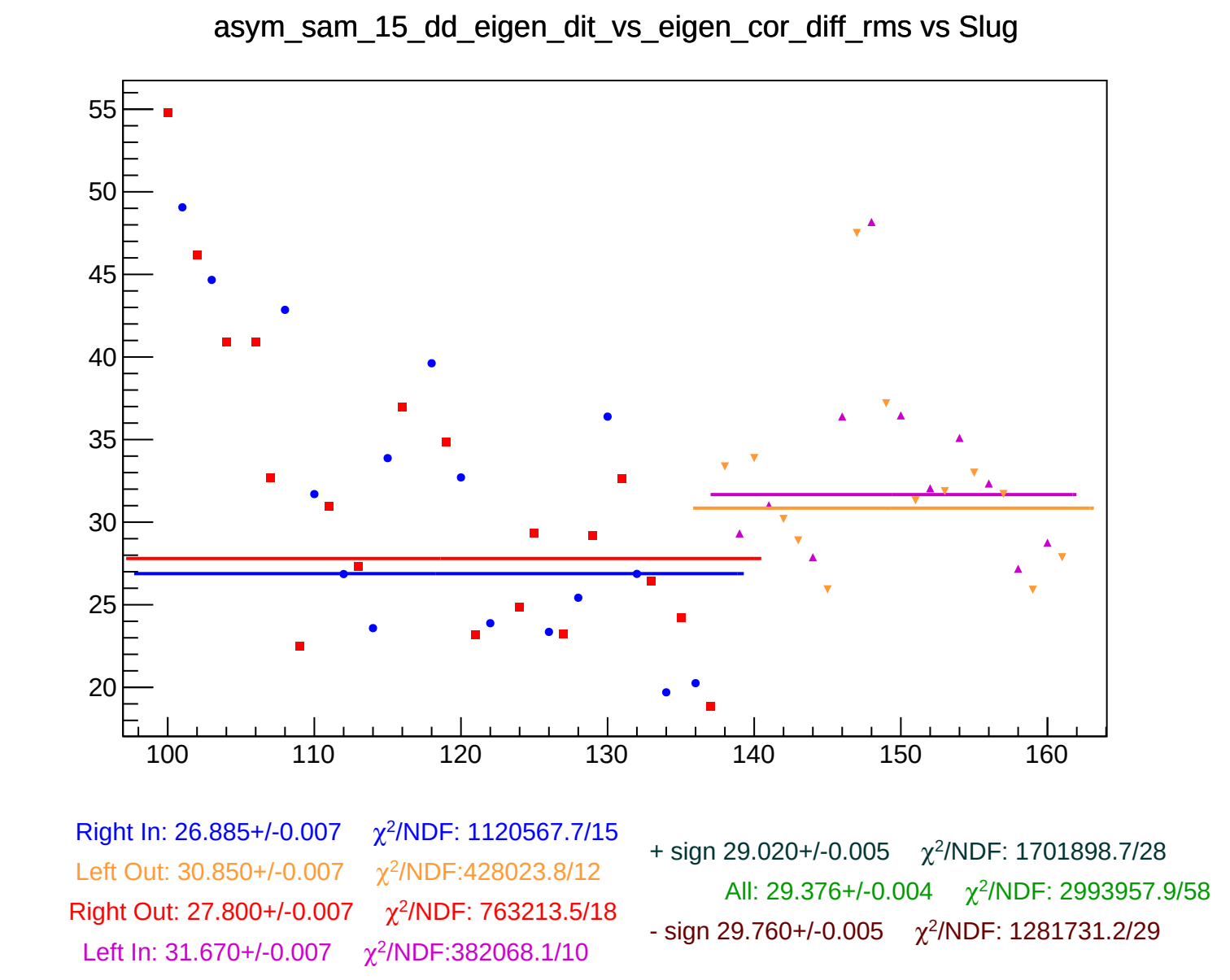
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.011+/-0.010 χ^2/NDF:10.3/10

+ sign -0.001+/-0.007 χ^2/NDF: 28.9/28

All: 0.006+/-0.005 χ^2/NDF: 54.7/58

- sign 0.012+/-0.007 χ^2/NDF: 24.3/29


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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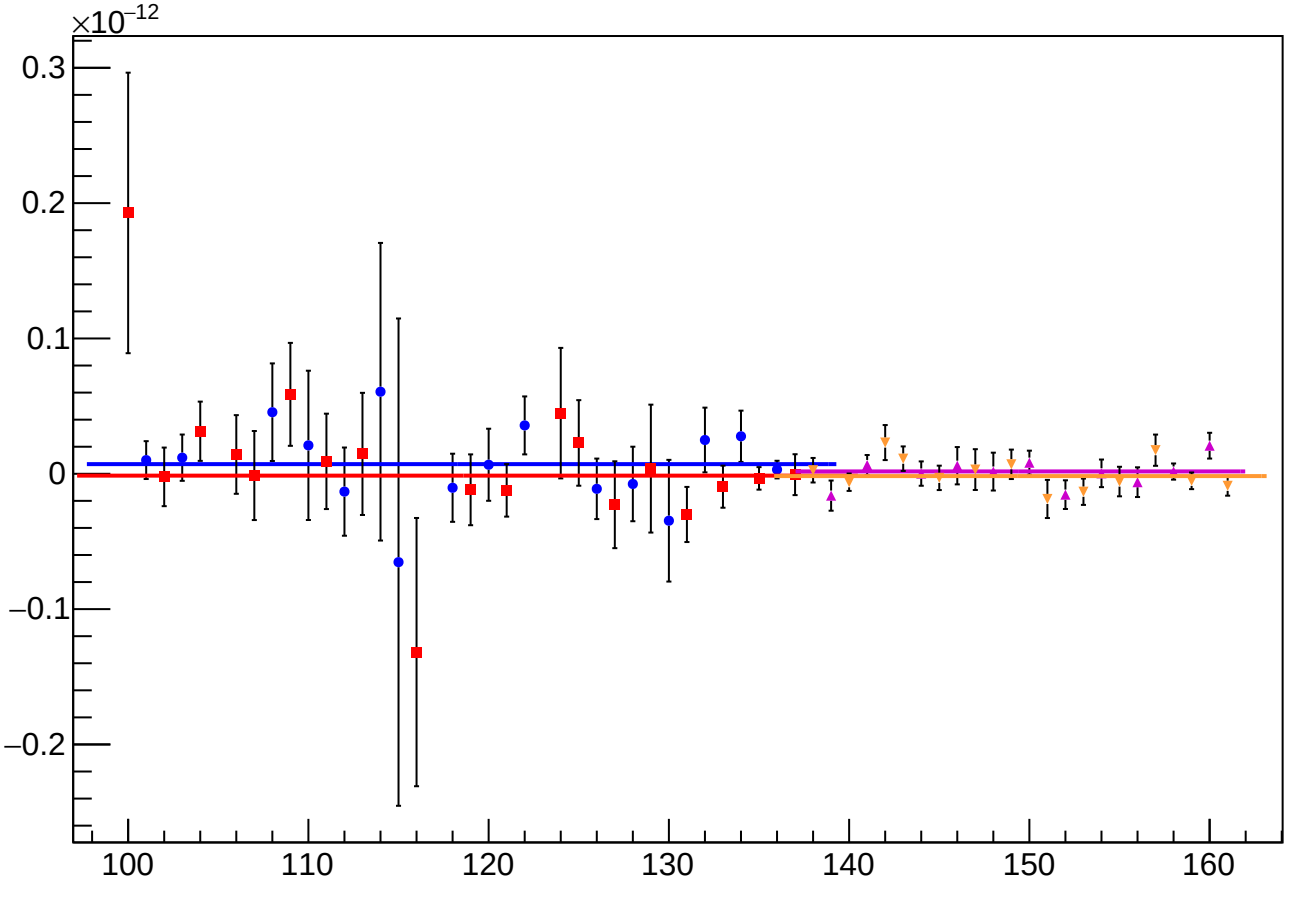
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 30.850+/-0.007 χ²/NDF:428023.8/12
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 31.670+/-0.007 χ²/NDF:382068.1/10
+ sign 29.020+/-0.005 χ²/NDF: 1701898.7/28
All: 29.376+/-0.004 χ²/NDF: 2993957.9/58
- sign 29.760+/-0.005 χ²/NDF: 1281731.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/12

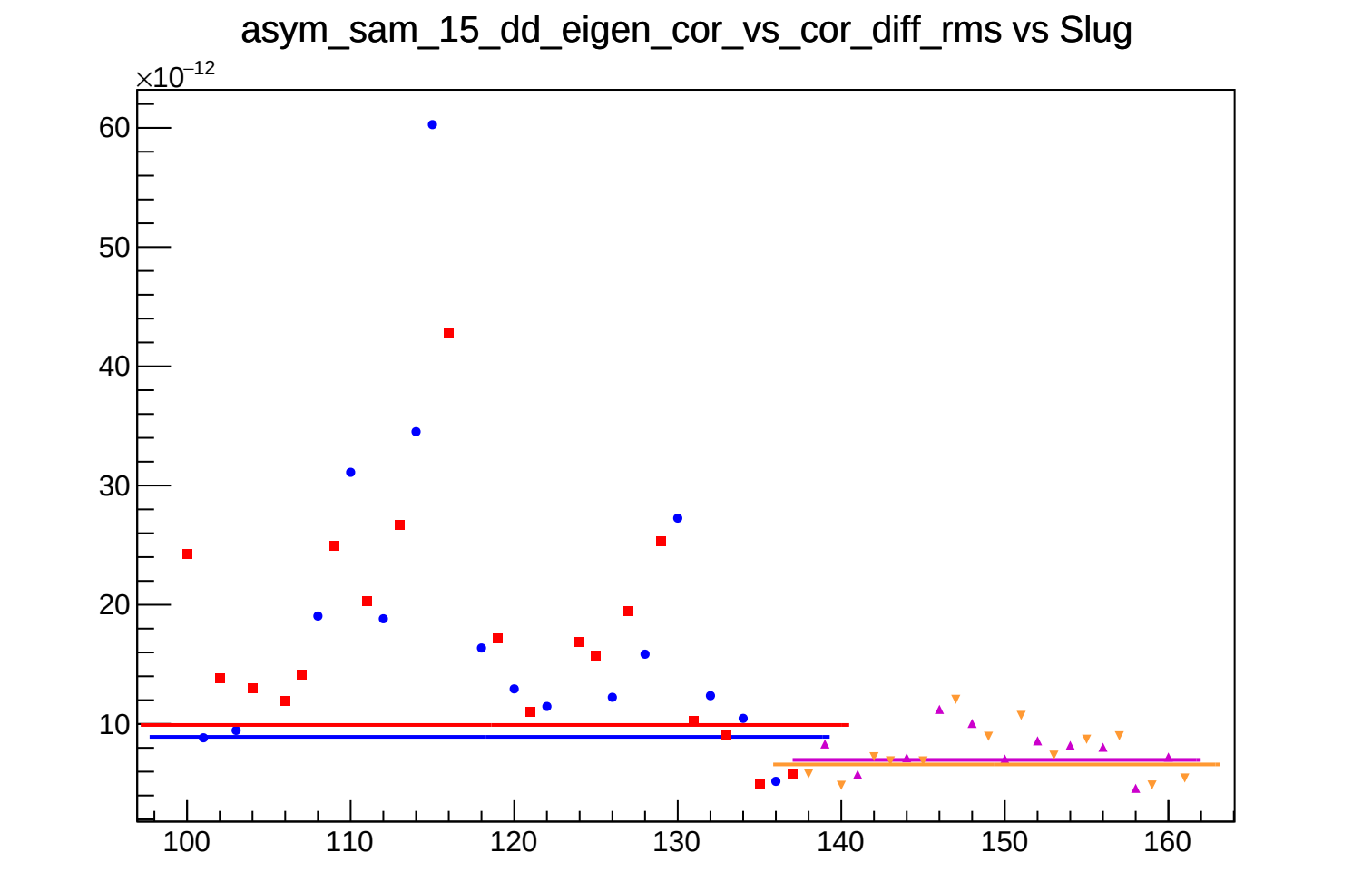
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 25.4/28

All: 0.000+/-0.000 χ^2/NDF: 51.7/58

- sign 0.000+/-0.000 χ^2/NDF: 26.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1081222.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

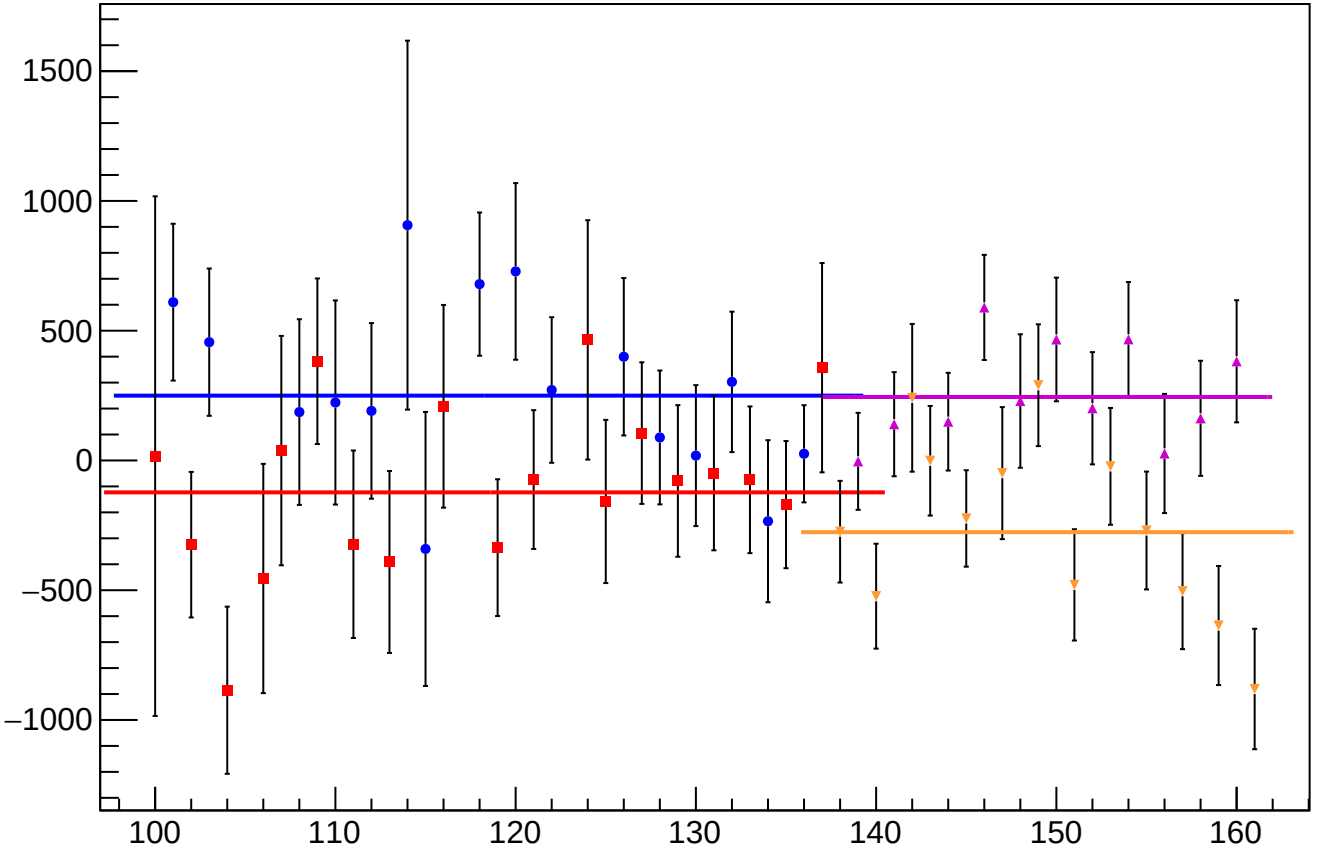
Left In: 0.000+/-0.000 χ^2/NDF:782694.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 3875161.8/28

All: 0.000+/-0.000 χ^2/NDF: 7914232.5/58

- sign 0.000+/-0.000 χ^2/NDF: 3983058.3/29

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -276.350+/-61.267 χ^2/NDF:25.6/12

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

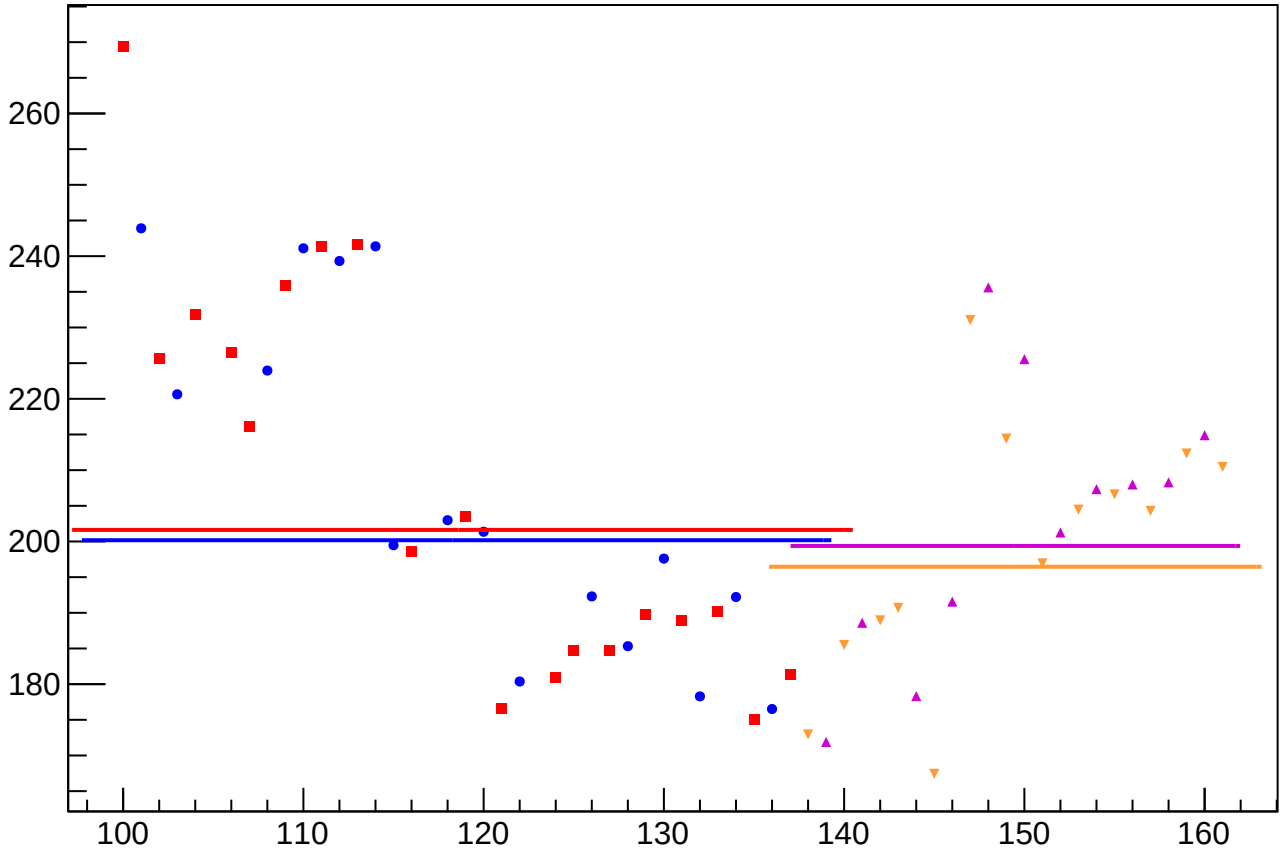
Left In: 244.539+/-64.811 χ^2/NDF:8.5/10

\+ sign -65.370+/-47.417 χ^2/NDF: 69.0/28

All: 7.994+/-34.028 χ^2/NDF: 111.8/58

\- sign 85.895+/-48.861 χ^2/NDF: 37.9/29

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 196.458+/-0.043 χ^2/NDF:160953.8/12

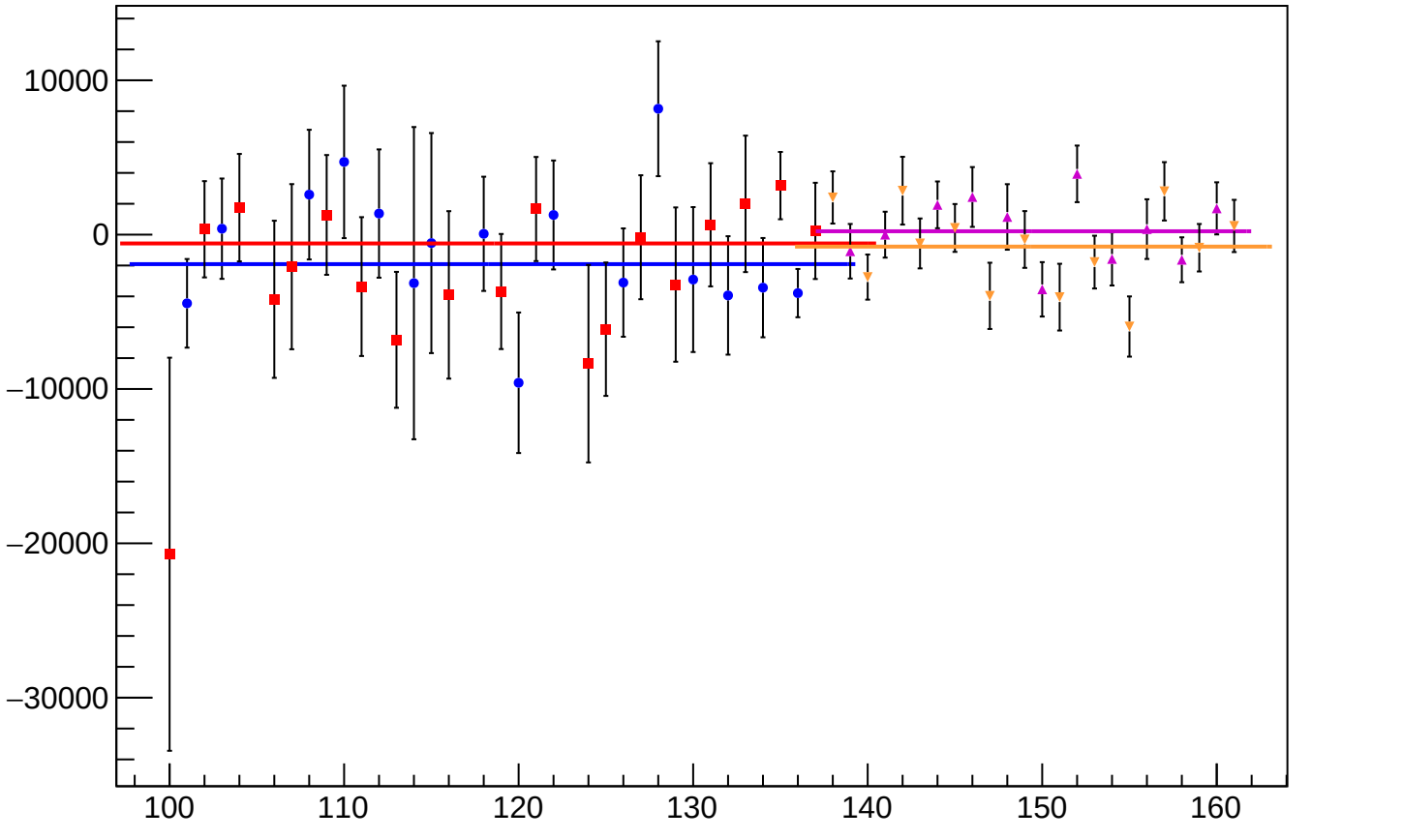
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 199.376+/-0.046 χ^2/NDF:158388.6/10

+ sign 197.949+/-0.034 χ^2/NDF: 344910.8/28

All: 199.112+/-0.024 χ^2/NDF: 704068.8/58

- sign 200.348+/-0.035 χ^2/NDF: 356675.5/29



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -775.430+/-487.557 χ^2/NDF:24.9/12

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

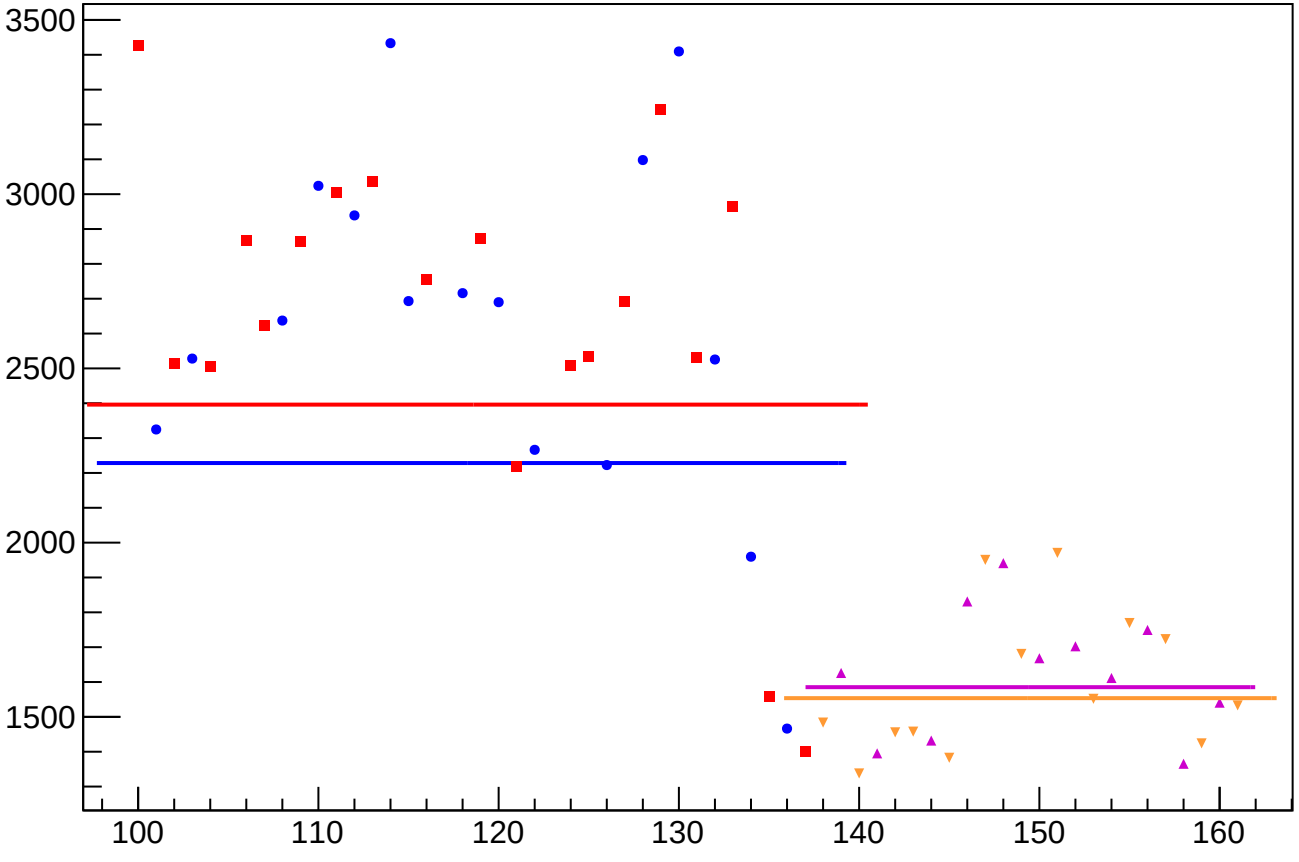
Left In: 219.168+/-516.839 χ^2/NDF:15.5/10

+ sign -1051.920+/-424.028 χ^2/NDF: 42.5/28

All: -544.109+/-308.040 χ^2/NDF: 76.2/58

- sign 23.371+/-448.249 χ^2/NDF: 30.7/29

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1553.735+/-0.345 χ^2/NDF:289800.3/12

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

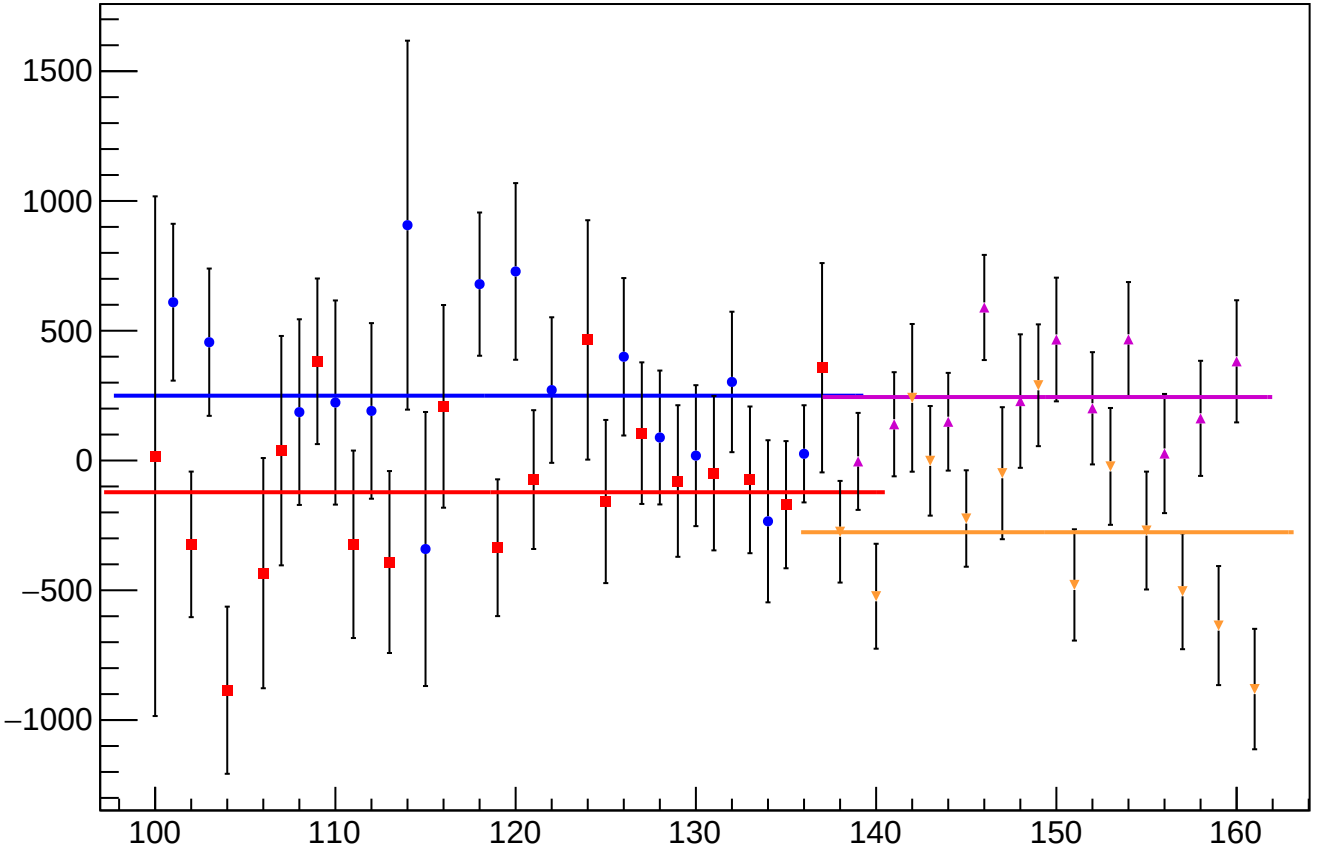
Left In: 1585.233+/-0.365 χ^2/NDF:217161.2/10

+ sign 1718.105+/-0.300 χ^2/NDF: 2170518.0/28

All: 1750.248+/-0.218 χ^2/NDF: 4431331.8/58

- sign 1786.168+/-0.317 χ^2/NDF: 2236478.5/29

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -276.339+/-61.267 χ^2/NDF:25.6/12

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

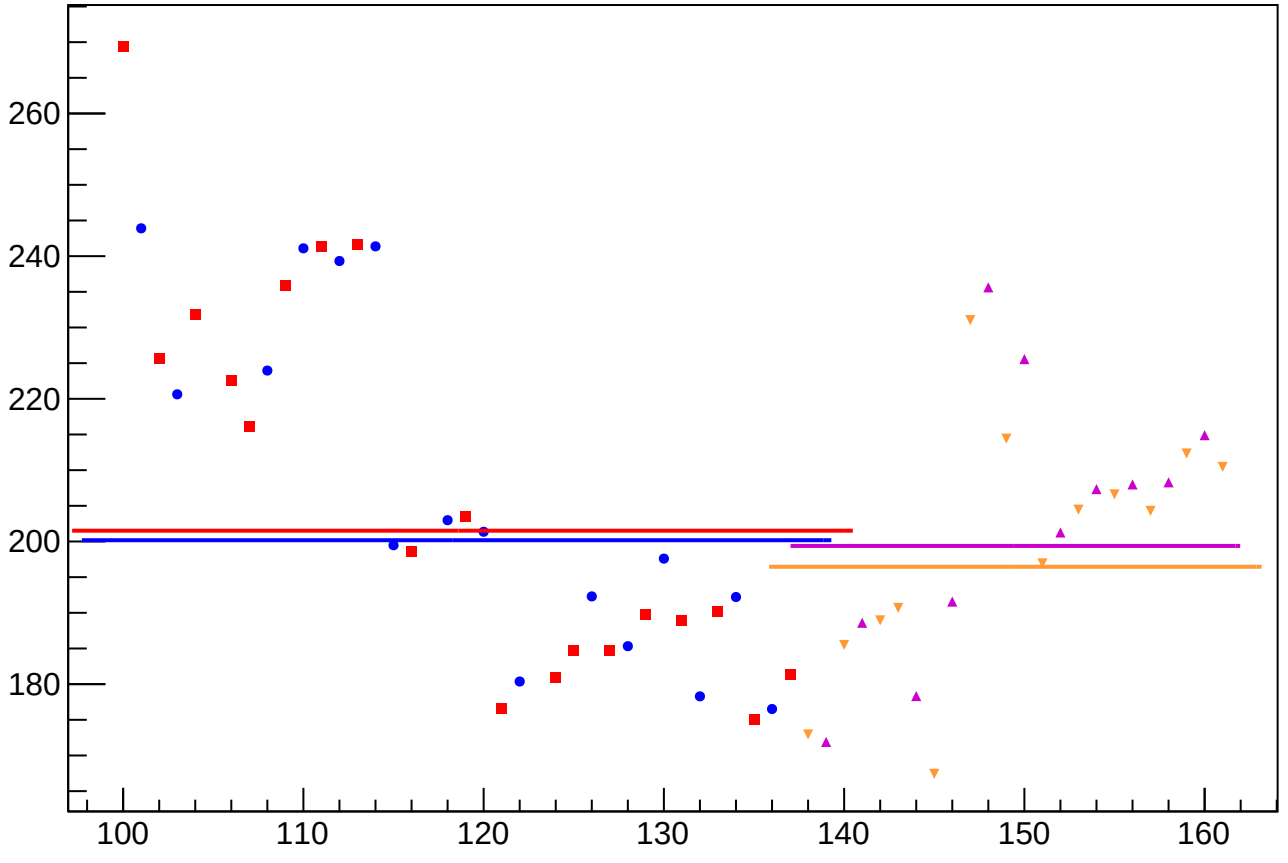
Left In: 244.542+/-64.811 χ^2/NDF:8.5/10

+ sign -65.362+/-47.417 χ^2/NDF: 69.0/28

All: 8.171+/-34.029 χ^2/NDF: 111.7/58

- sign 86.260+/-48.864 χ^2/NDF: 37.8/29

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 196.458+/-0.043 χ^2/NDF:160953.8/12

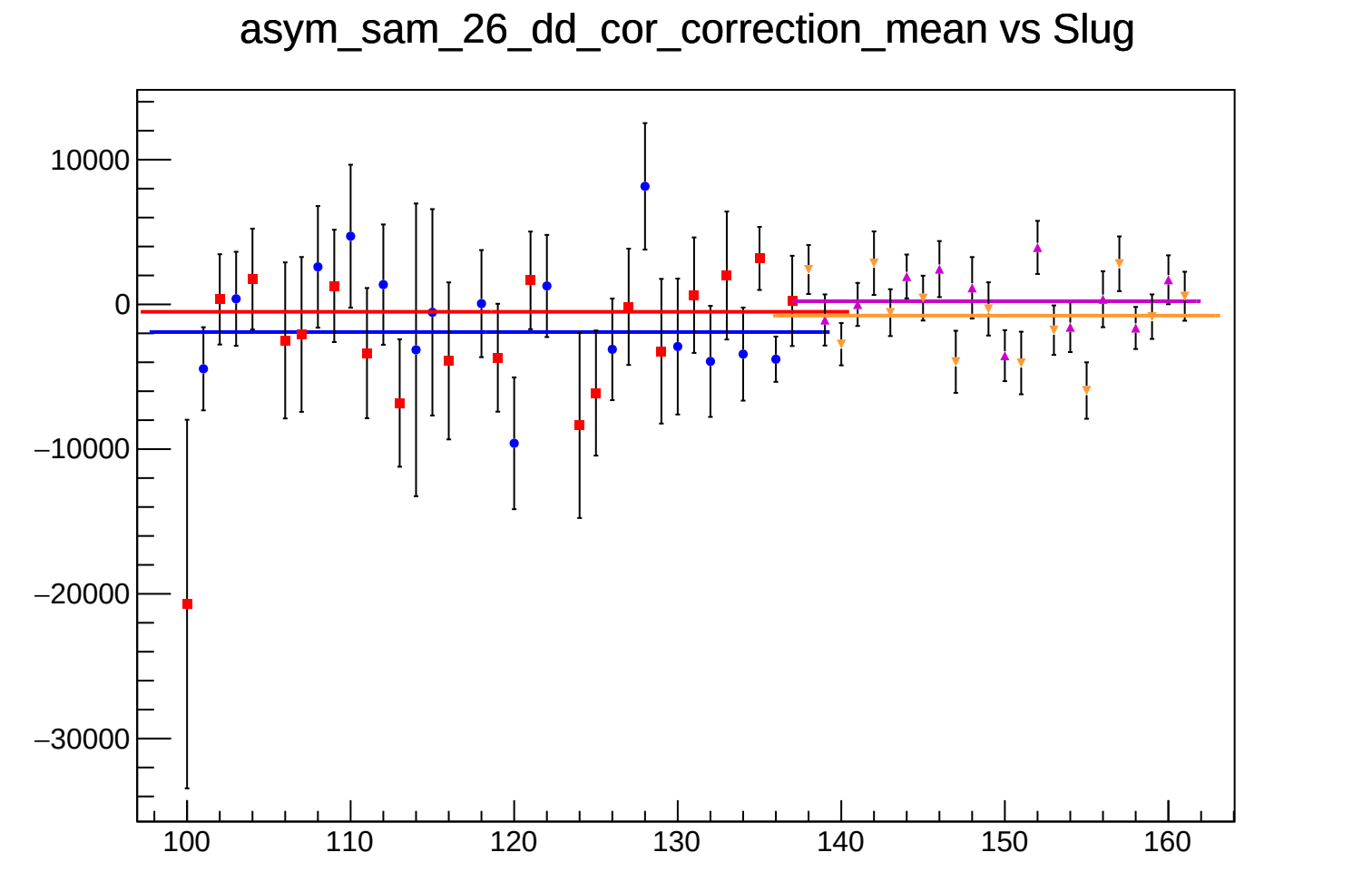
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.376+/-0.046 χ^2/NDF:158388.6/10

+ sign 197.949+/-0.034 χ^2/NDF: 344911.1/28

All: 199.089+/-0.024 χ^2/NDF: 702052.5/58

- sign 200.299+/-0.035 χ^2/NDF: 354759.1/29



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -775.423+/-487.557 χ^2/NDF:24.9/12

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

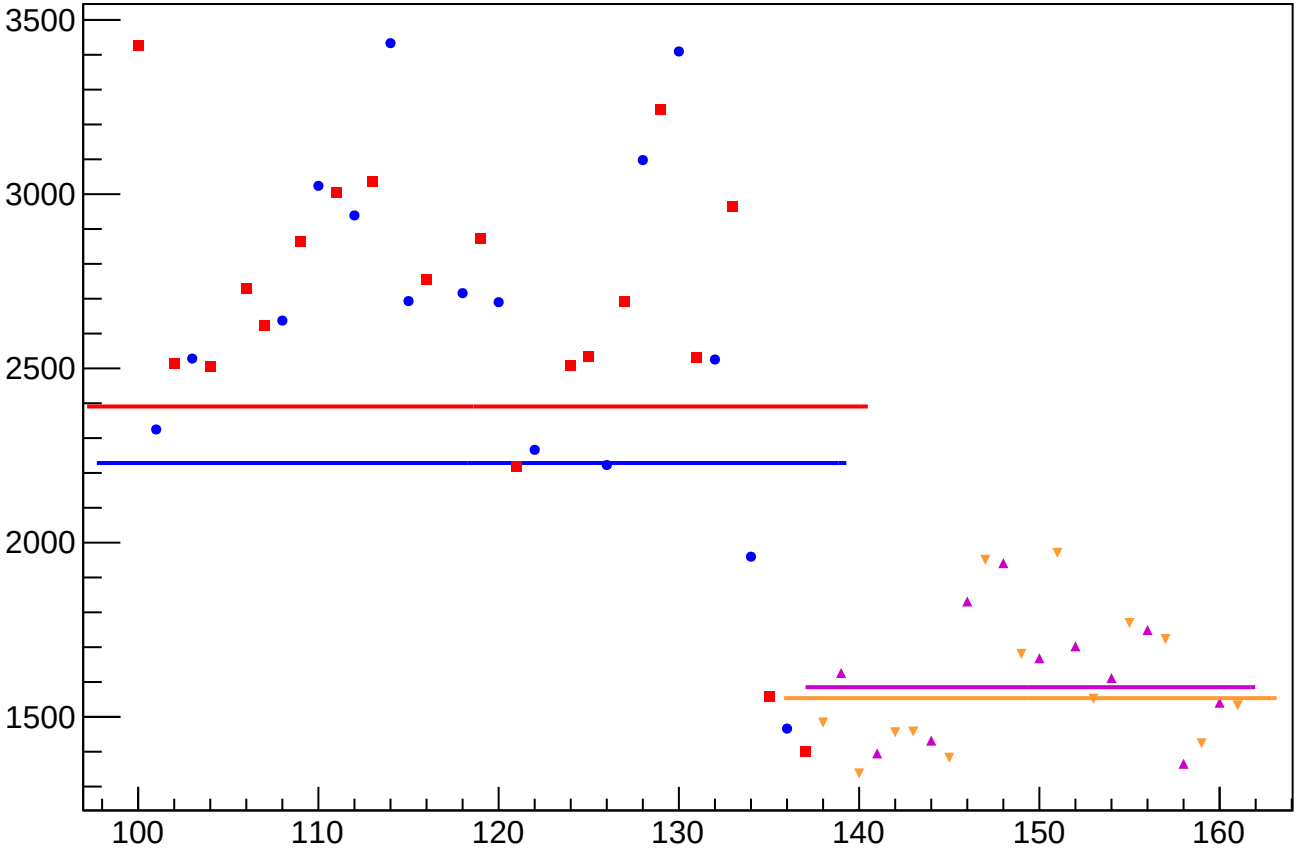
Left In: 219.159+/-516.839 χ^2/NDF:15.5/10

+ sign -1051.905+/-424.029 χ^2/NDF: 42.5/28

All: -537.132+/-308.103 χ^2/NDF: 75.8/58

- sign 38.622+/-448.441 χ^2/NDF: 30.2/29

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1553.736+/-0.345 χ^2/NDF:289800.7/12

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

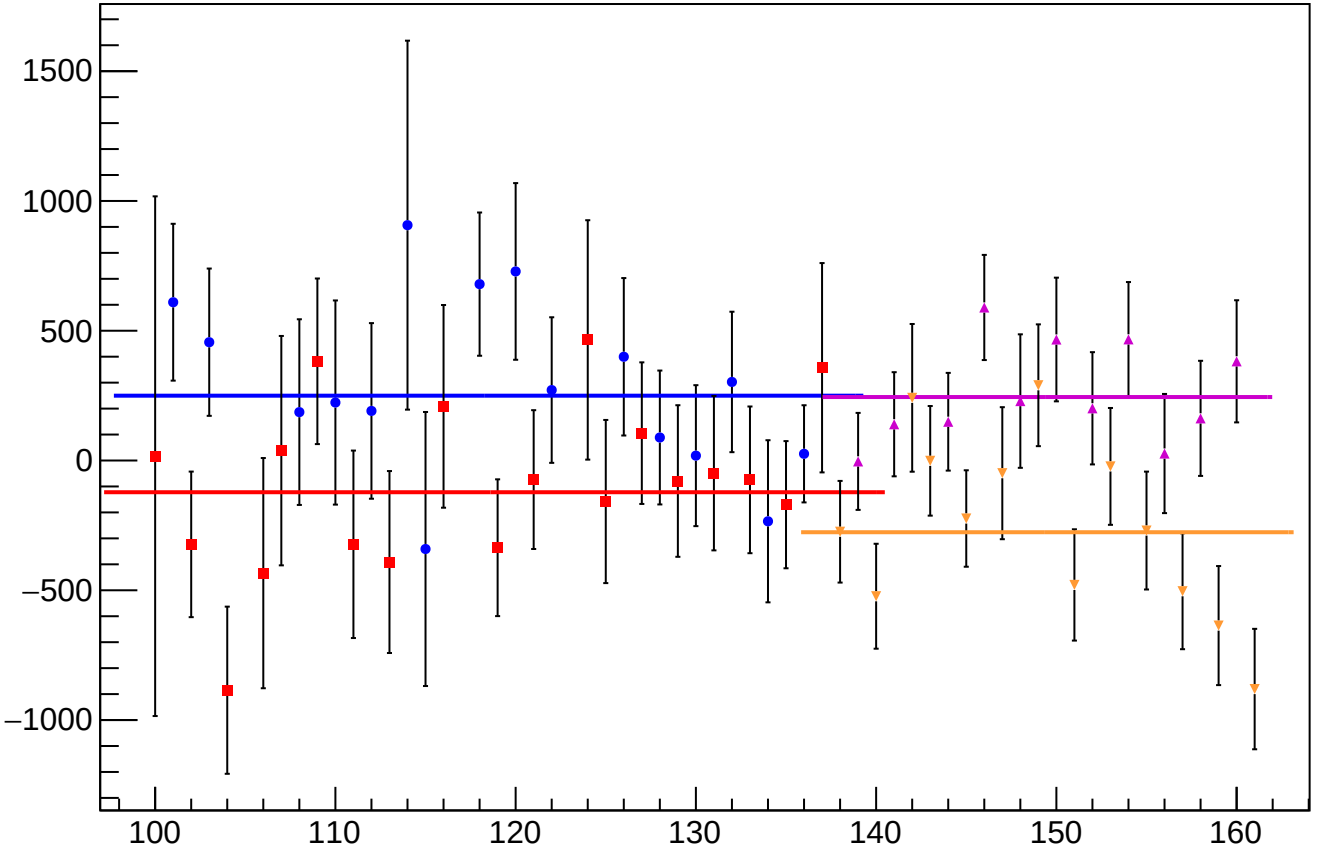
Left In: 1585.233+/-0.365 χ^2/NDF:217161.3/10

\+ sign 1718.106+/-0.300 χ^2/NDF: 2170529.4/28

All: 1749.363+/-0.218 χ^2/NDF: 4401412.1/58

\- sign 1784.323+/-0.317 χ^2/NDF: 2207860.1/29

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -276.339+/-61.267 χ^2/NDF:25.6/12

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

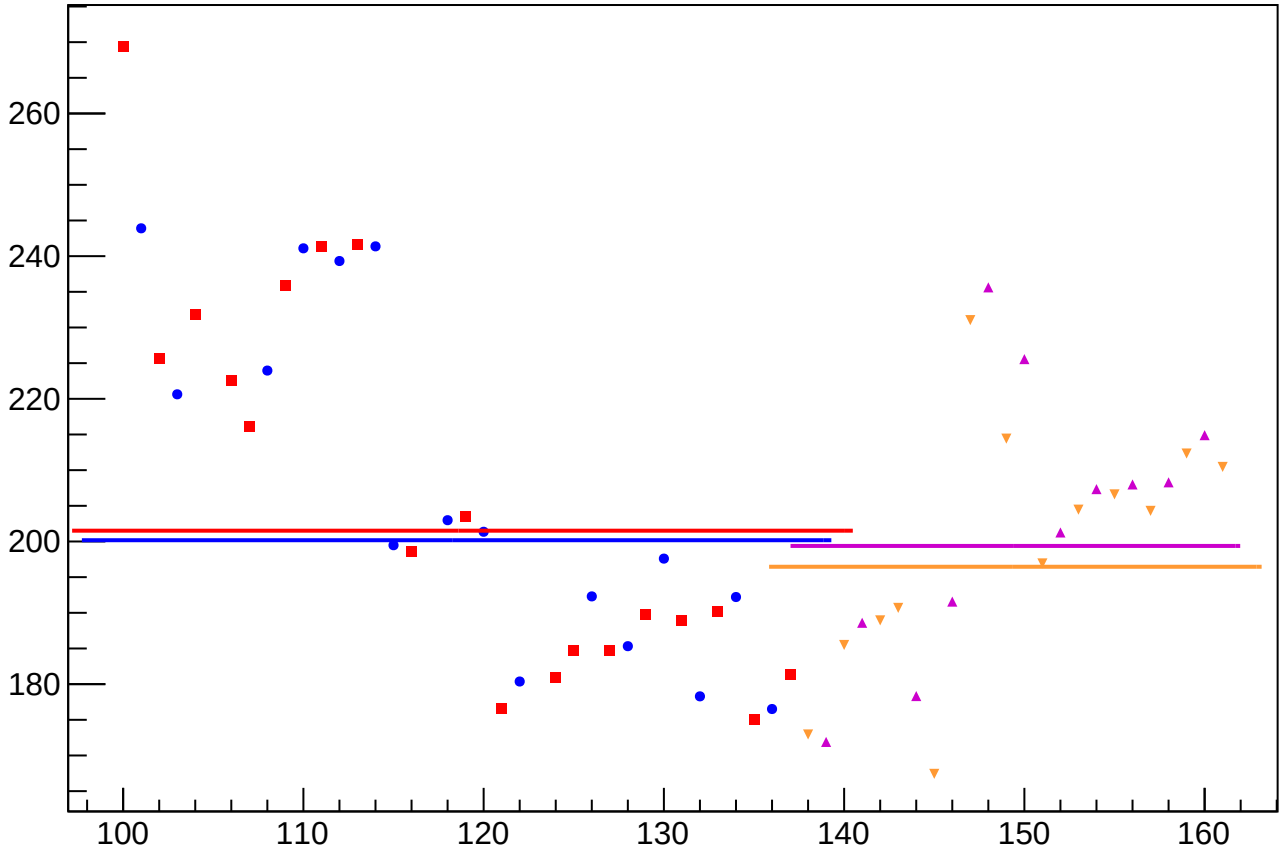
Left In: 244.542+/-64.811 χ^2/NDF:8.5/10

+ sign -65.362+/-47.417 χ^2/NDF: 69.0/28

All: 8.171+/-34.029 χ^2/NDF: 111.7/58

- sign 86.260+/-48.864 χ^2/NDF: 37.8/29

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 196.458+/-0.043 χ^2/NDF:160953.8/12

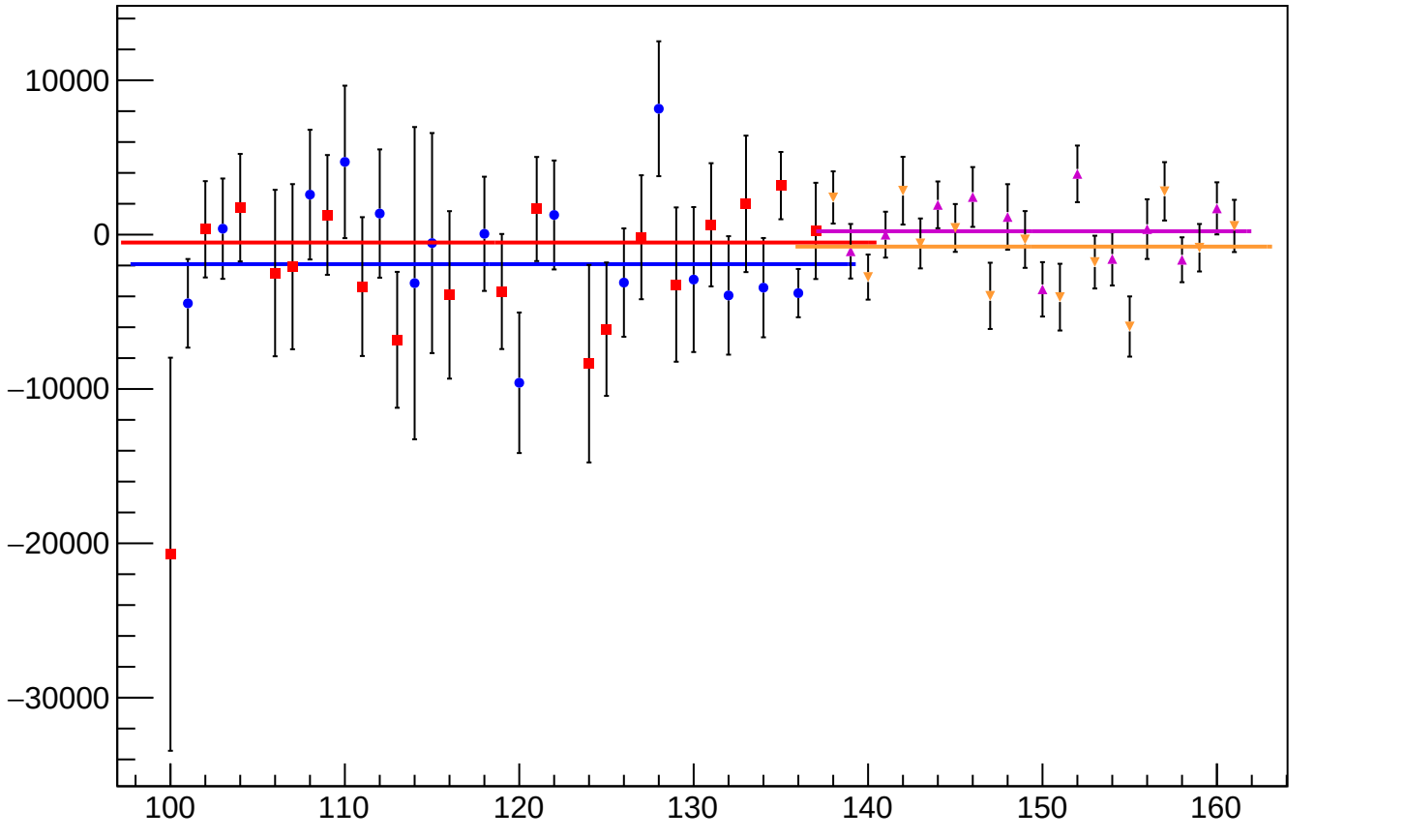
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.376+/-0.046 χ^2/NDF:158388.6/10

+ sign 197.949+/-0.034 χ^2/NDF: 344911.1/28

All: 199.089+/-0.024 χ^2/NDF: 702052.5/58

- sign 200.299+/-0.035 χ^2/NDF: 354759.1/29



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -775.423+/-487.557 χ^2/NDF:24.9/12

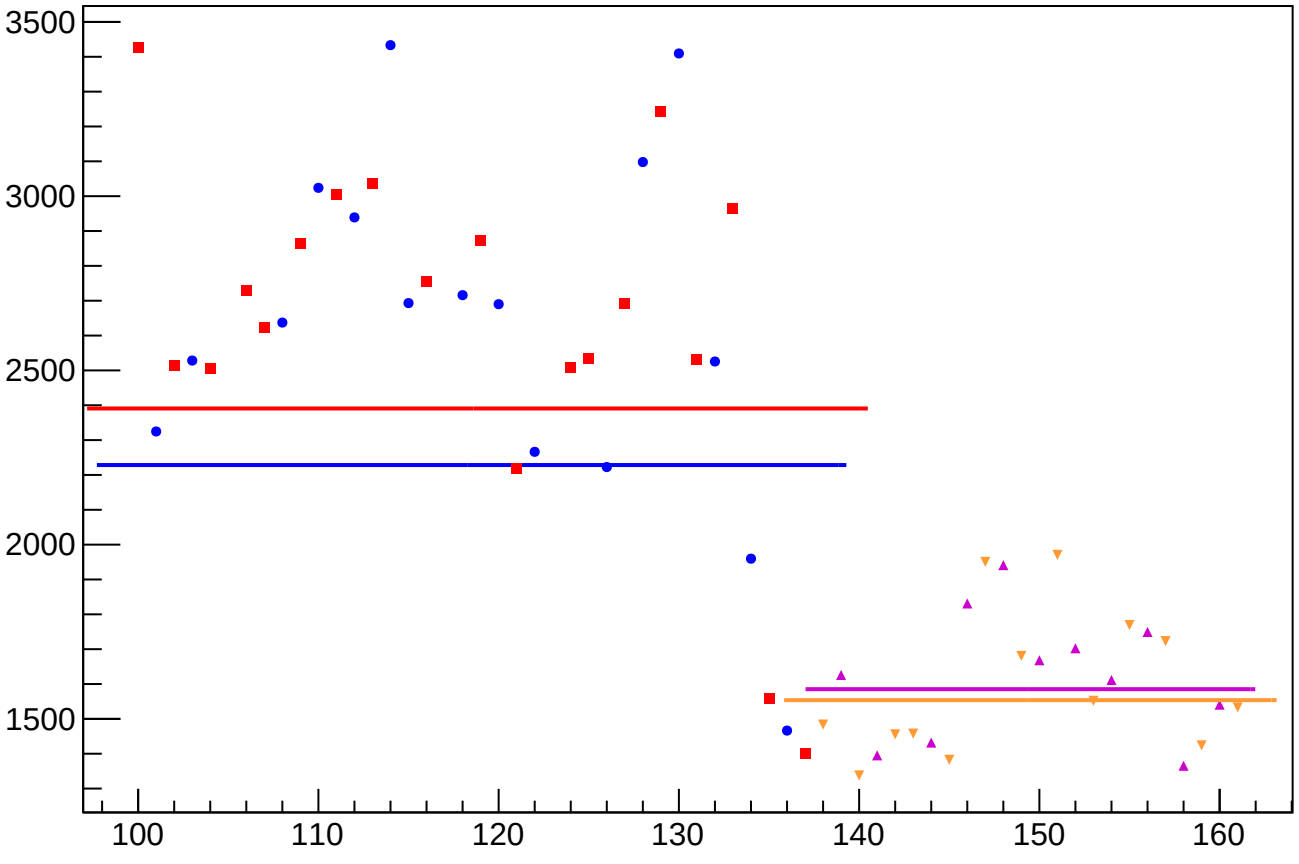
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 219.159+/-516.839 χ^2/NDF:15.5/10

+ sign -1051.905+/-424.029 χ^2/NDF: 42.5/28

All: -537.132+/-308.103 χ^2/NDF: 75.8/58

- sign 38.622+/-448.441 χ^2/NDF: 30.2/29



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1553.736+/-0.345 χ^2/NDF:289800.7/12

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

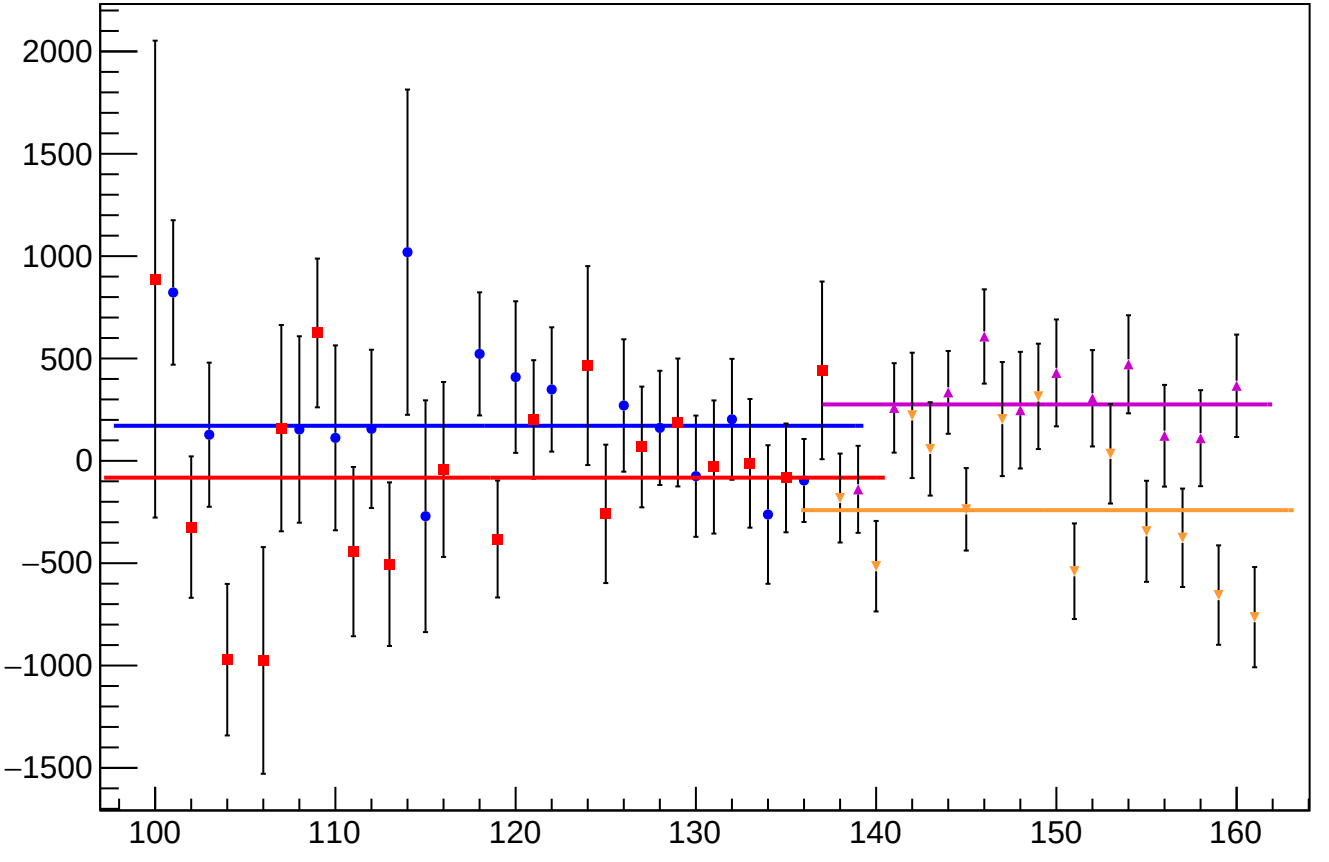
Left In: 1585.233+/-0.365 χ^2/NDF:217161.3/10

+ sign 1718.106+/-0.300 χ^2/NDF: 2170529.4/28

All: 1749.363+/-0.218 χ^2/NDF: 4401412.1/58

- sign 1784.323+/-0.317 χ^2/NDF: 2207860.1/29

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -241.050+/-66.408 χ^2/NDF:23.7/12

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

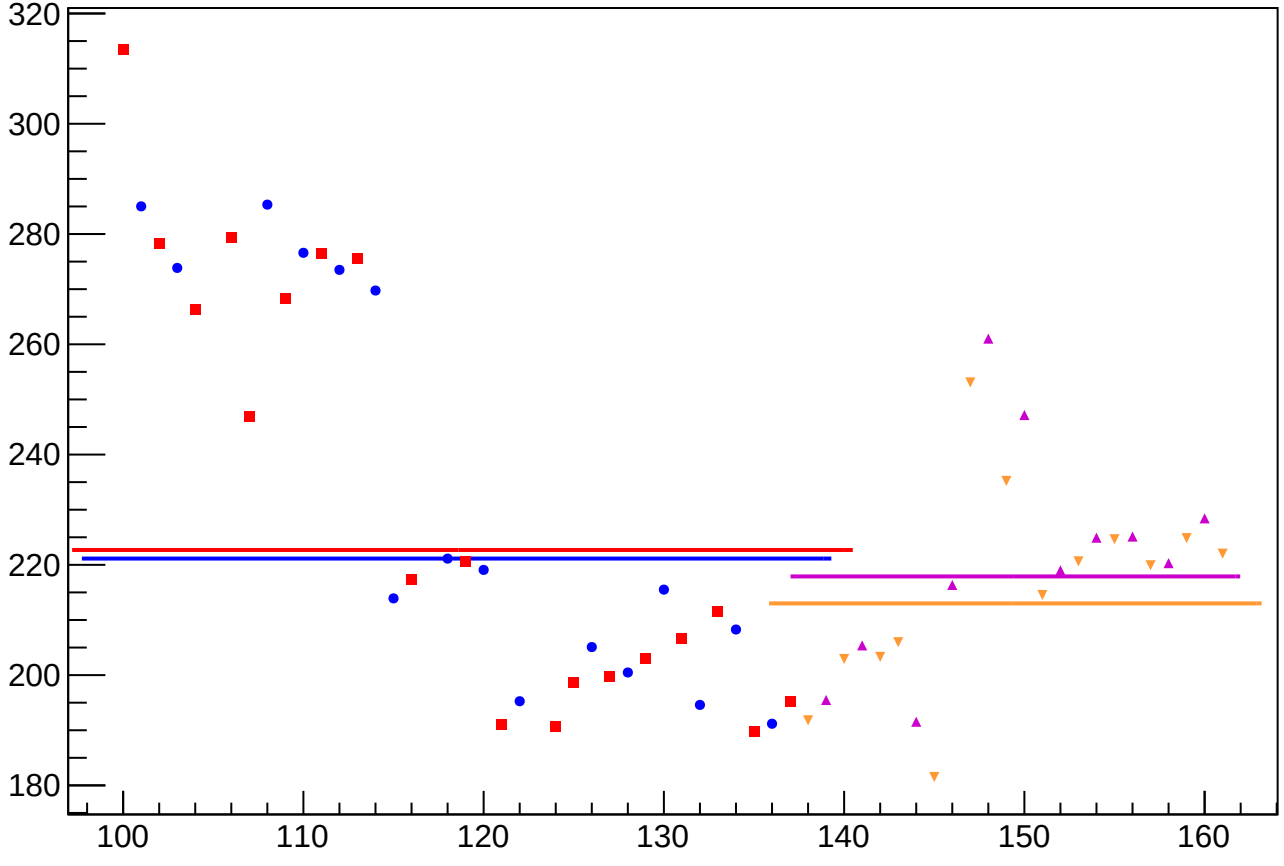
Left In: 275.620+/-70.843 χ^2/NDF:8.0/10

+ sign -80.399+/-51.882 χ^2/NDF: 50.2/28

All: 18.107+/-37.332 χ^2/NDF: 98.1/58

- sign 123.871+/-53.759 χ^2/NDF: 40.5/29

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.010+/-0.047 χ^2/NDF:147857.8/12

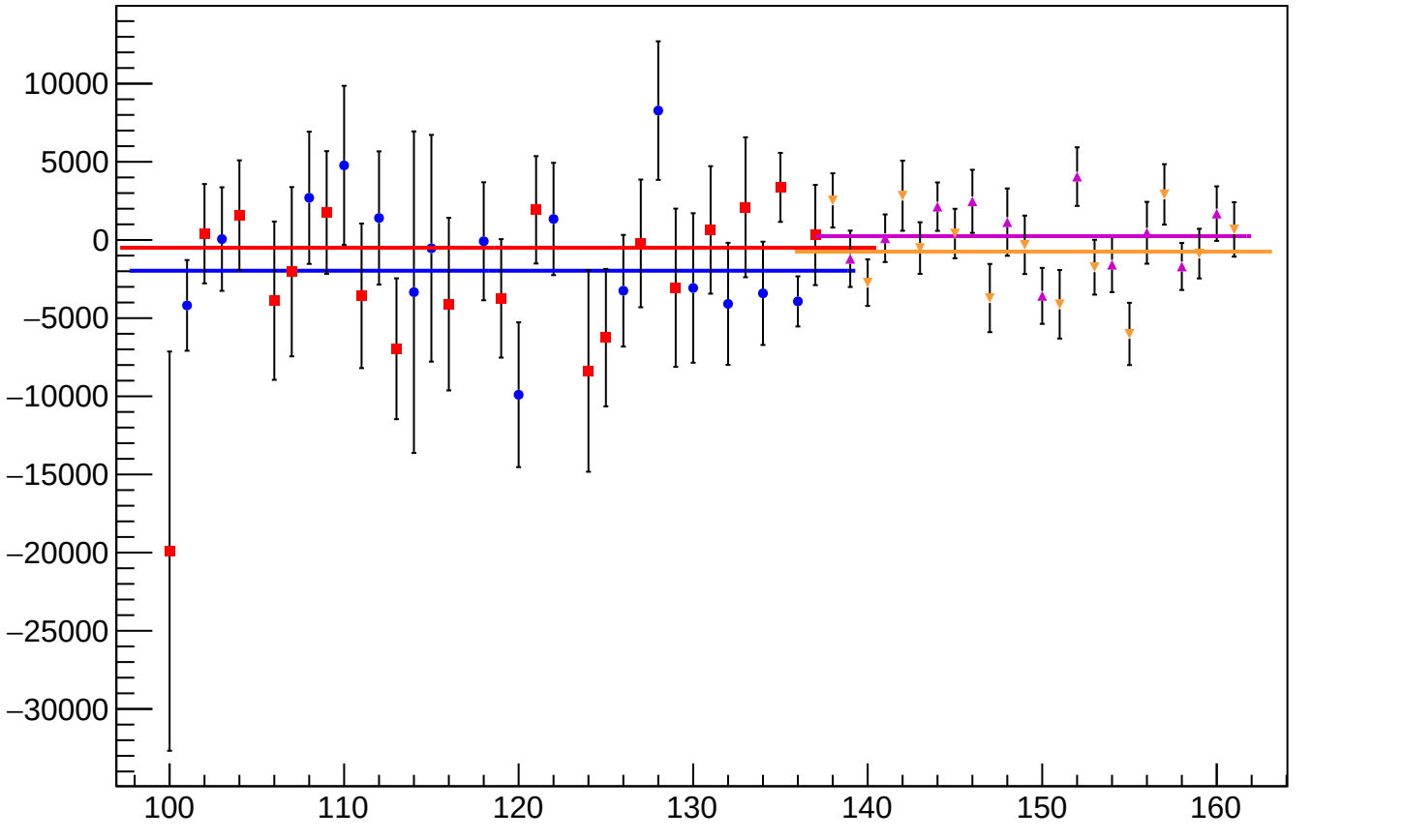
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 217.901+/-0.050 χ^2/NDF:141063.4/10

+ sign 216.177+/-0.037 χ^2/NDF: 478237.7/28

All: 217.990+/-0.026 χ^2/NDF: 955282.6/58

- sign 219.935+/-0.038 χ^2/NDF: 471984.1/29



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -746.063+/-498.503 χ^2/NDF:24.3/12

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

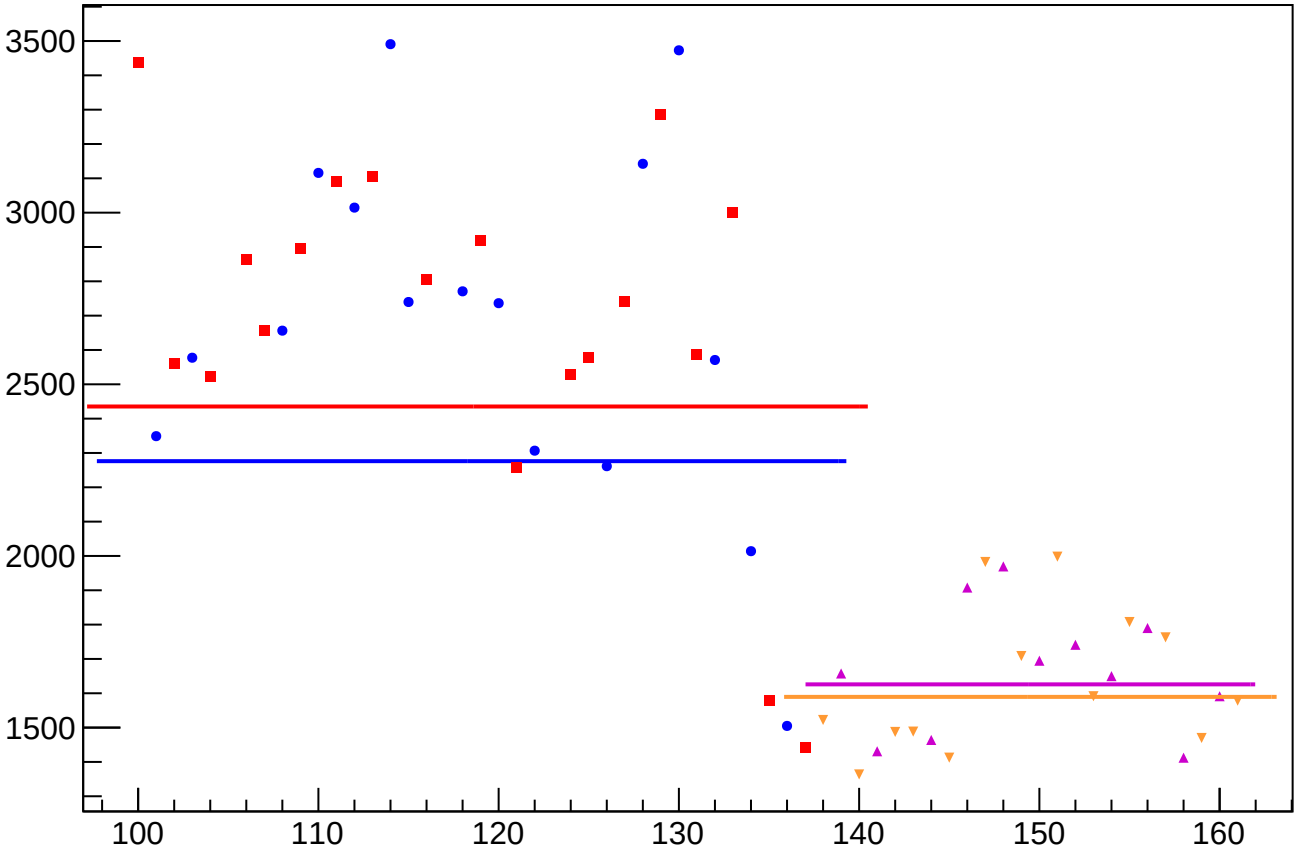
Left In: 243.993+/-529.947 χ^2/NDF:15.6/10

+ sign -1044.517+/-433.336 χ^2/NDF: 41.9/28

All: -524.539+/-314.953 χ^2/NDF: 75.8/58

- sign 57.721+/-458.554 χ^2/NDF: 30.9/29

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1589.479+/-0.352 χ^2/NDF:279734.7/12

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

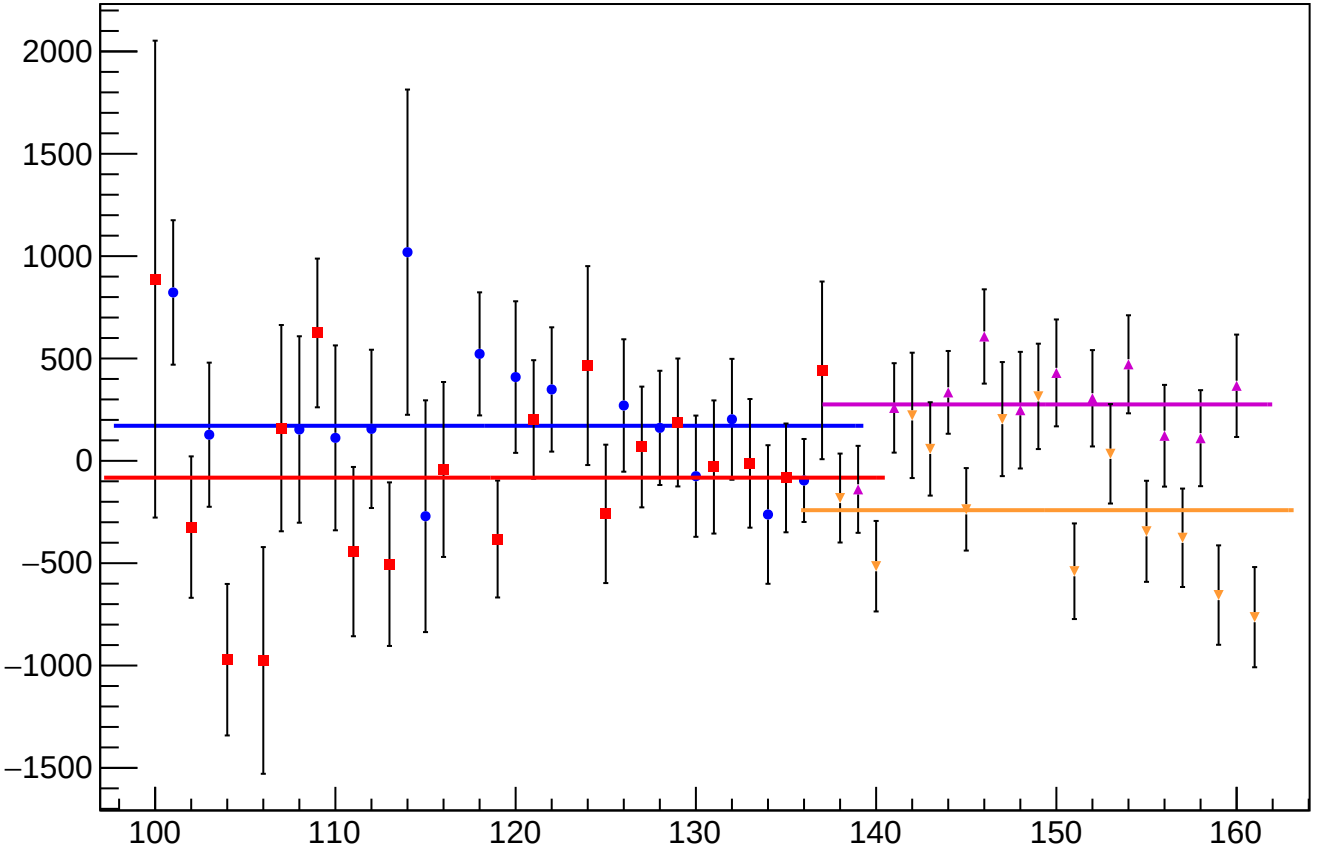
Left In: 1625.936+/-0.375 χ^2/NDF:210838.8/10

+ sign 1757.273+/-0.306 χ^2/NDF: 2133990.8/28

All: 1791.266+/-0.223 χ^2/NDF: 4334842.9/58

- sign 1829.331+/-0.324 χ^2/NDF: 2174762.9/29

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -241.051+/-66.408 χ^2/NDF:23.7/12

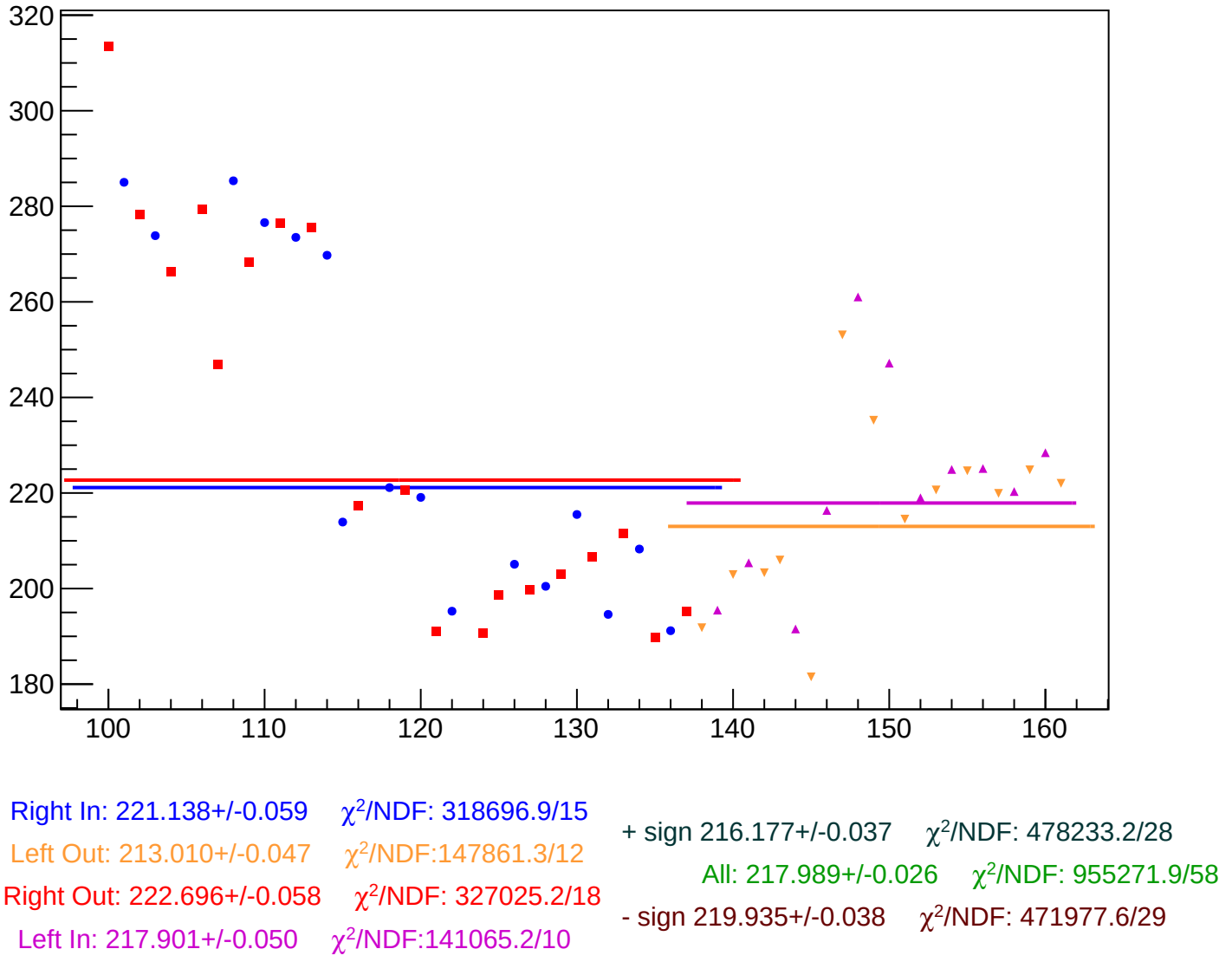
Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: 275.622+/-70.843 χ^2/NDF:8.0/10

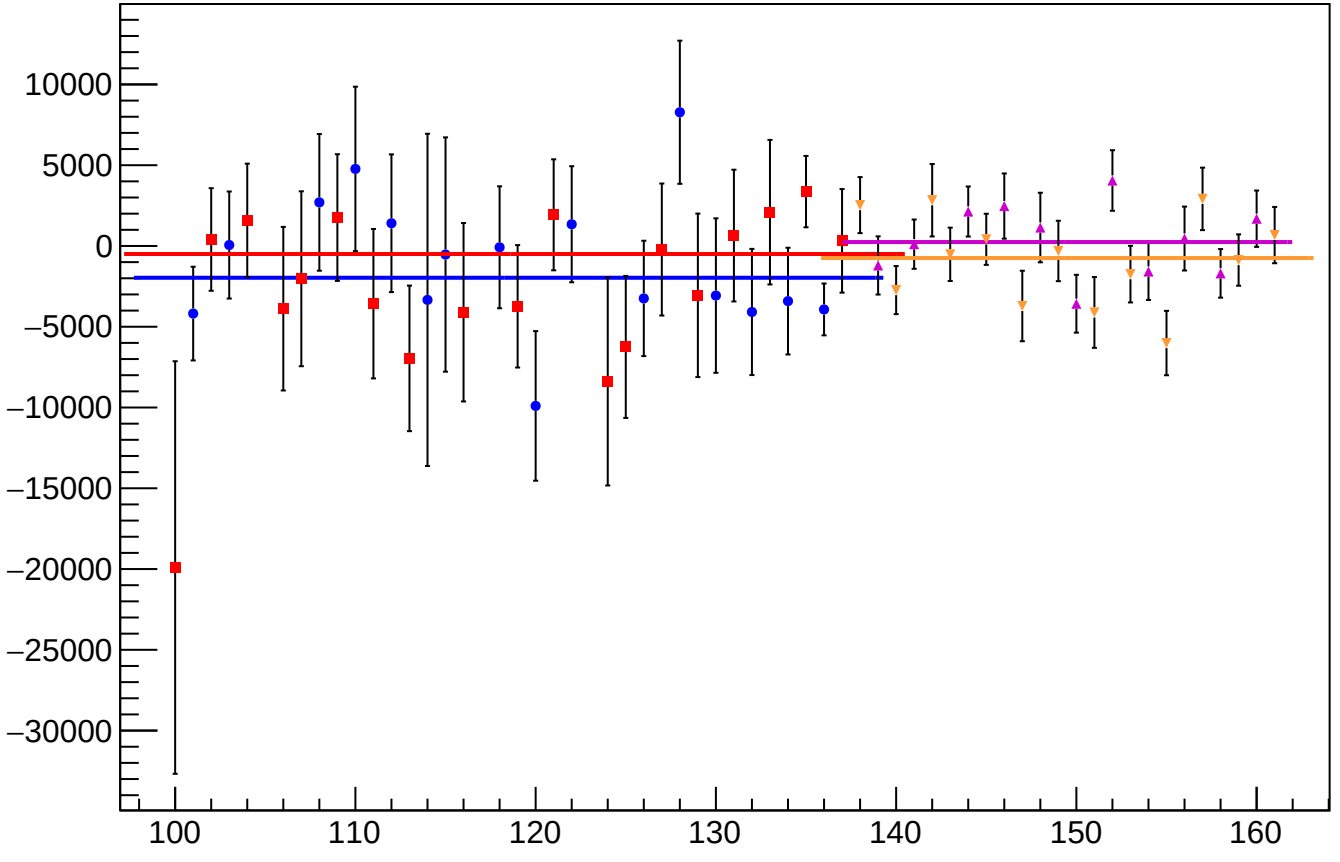
+ sign -80.398+/-51.882 χ^2/NDF: 50.2/28

All: 18.108+/-37.332 χ^2/NDF: 98.1/58

- sign 123.872+/-53.759 χ^2/NDF: 40.5/29


eigen_dit_asym_sam_26_dd_rms vs Slug
320
300
280
260
240
220
200
180
100
110
120
130
140
150
160
Right In: 221.138+/-0.059 χ²/NDF: 318696.9/15
Left Out: 213.010+/-0.047 χ²/NDF:147861.3/12
Right Out: 222.696+/-0.058 χ²/NDF: 327025.2/18
Left In: 217.901+/-0.050 χ²/NDF:141065.2/10
+ sign 216.177+/-0.037 χ²/NDF: 478233.2/28
All: 217.989+/-0.026 χ²/NDF: 955271.9/58
- sign 219.935+/-0.038 χ²/NDF: 471977.6/29

asym_sam_26_dd_eigen_dit_correction_mean vs Slug



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -746.063+/-498.503 χ^2/NDF:24.3/12

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

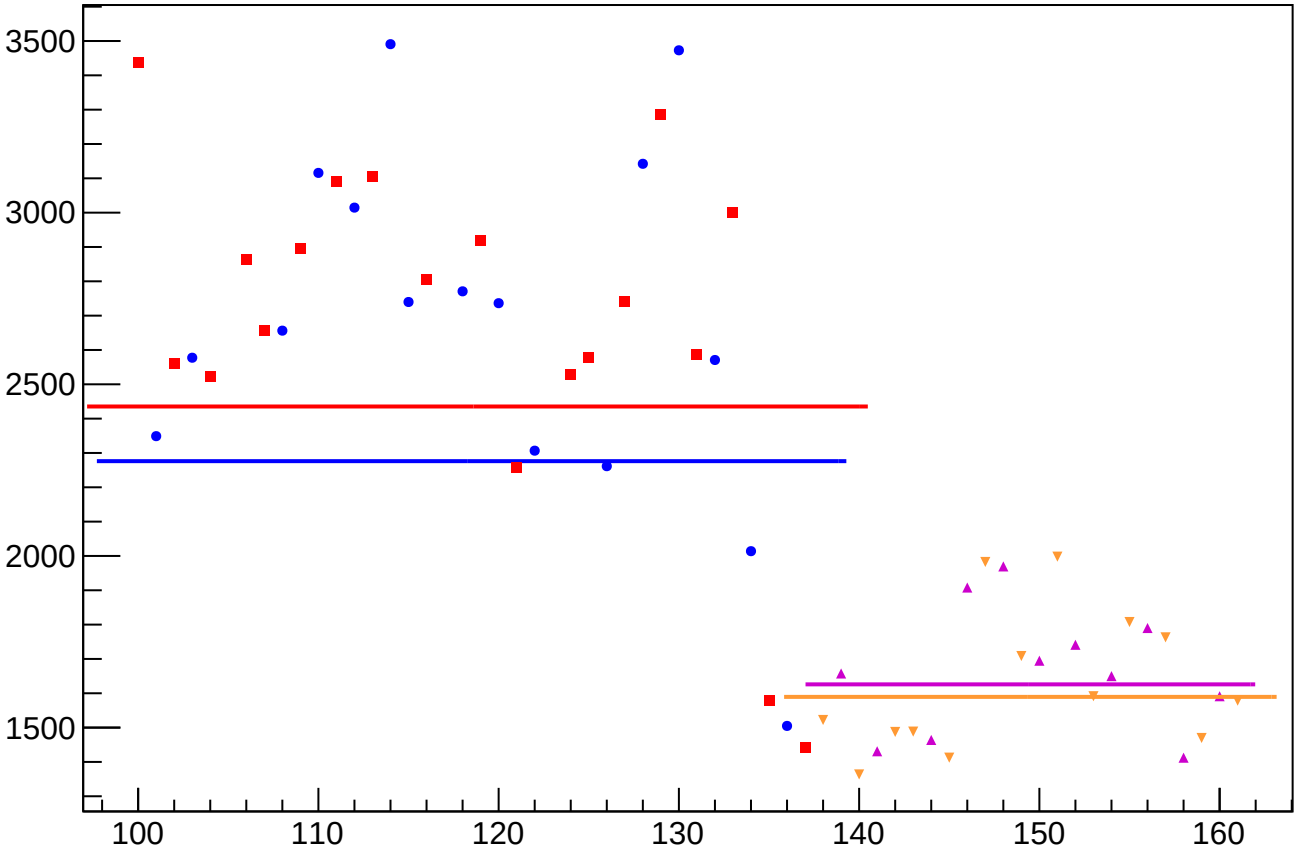
Left In: 243.993+/-529.946 χ^2/NDF:15.6/10

+ sign -1044.516+/-433.335 χ^2/NDF: 41.9/28

All: -524.538+/-314.952 χ^2/NDF: 75.8/58

- sign 57.721+/-458.553 χ^2/NDF: 30.9/29

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1589.479+/-0.352 χ^2/NDF:279738.2/12

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

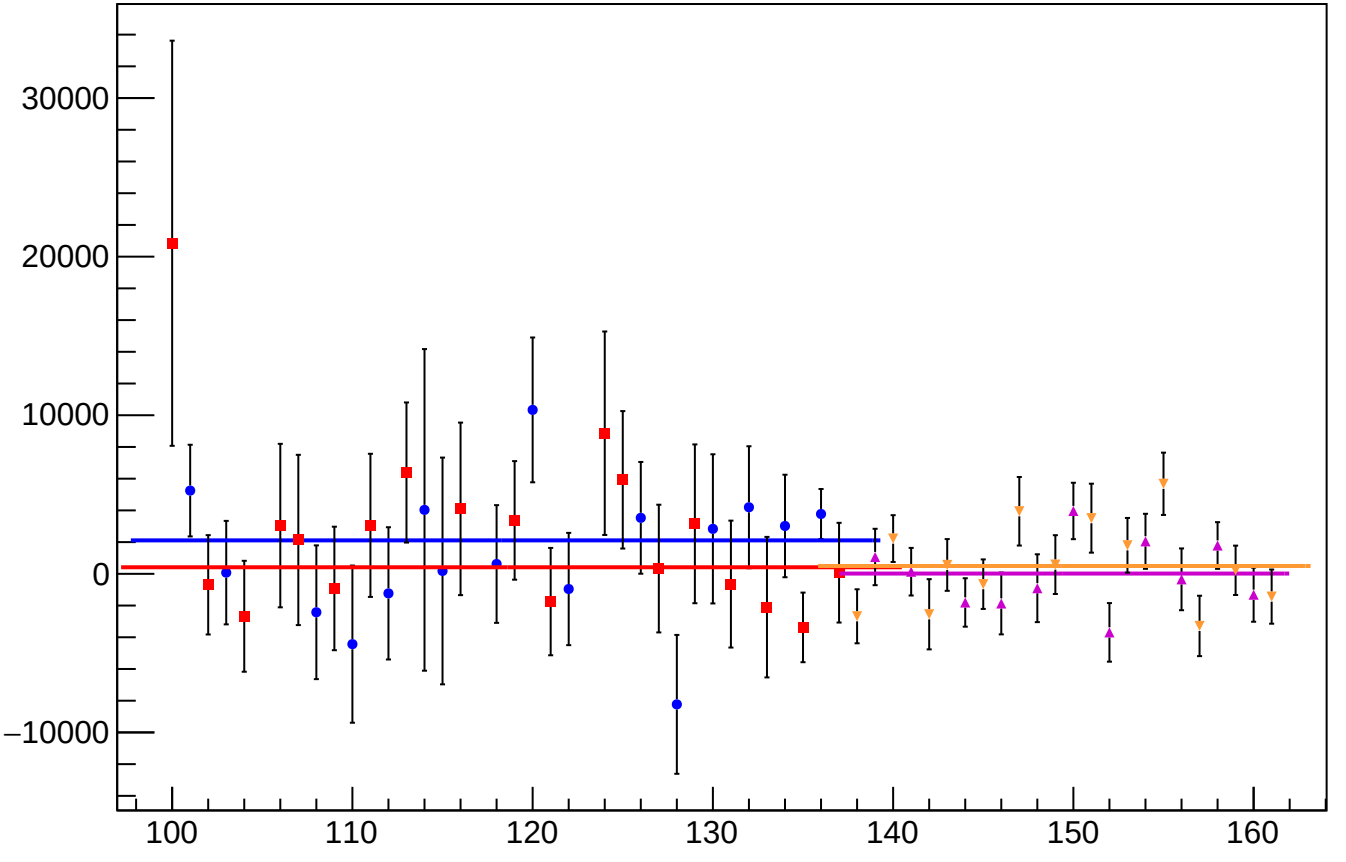
Left In: 1625.936+/-0.375 χ^2/NDF:210840.3/10

+ sign 1757.272+/-0.306 χ^2/NDF: 2133981.5/28

All: 1791.265+/-0.223 χ^2/NDF: 4334823.0/58

- sign 1829.330+/-0.324 χ^2/NDF: 2174752.1/29

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 494.624+/-491.626 χ^2/NDF:24.5/12

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

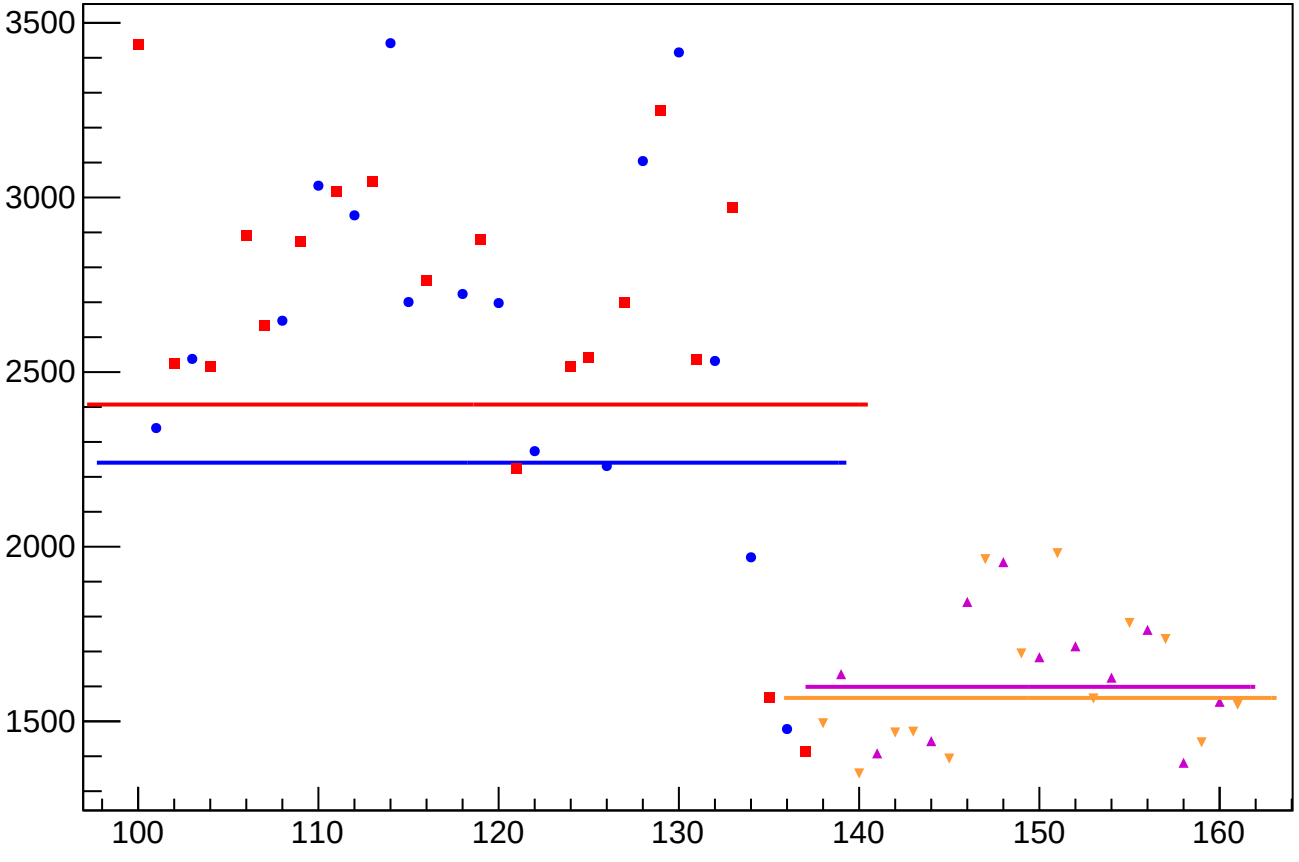
Left In: 17.438+/-521.158 χ^2/NDF:15.3/10

\+ sign 890.096+/-427.209 χ^2/NDF: 43.8/28

All: 524.625+/-310.332 χ^2/NDF: 75.5/58

\- sign 116.315+/-451.553 χ^2/NDF: 30.1/29

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1567.018+/-0.348 χ^2/NDF:285263.2/12

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

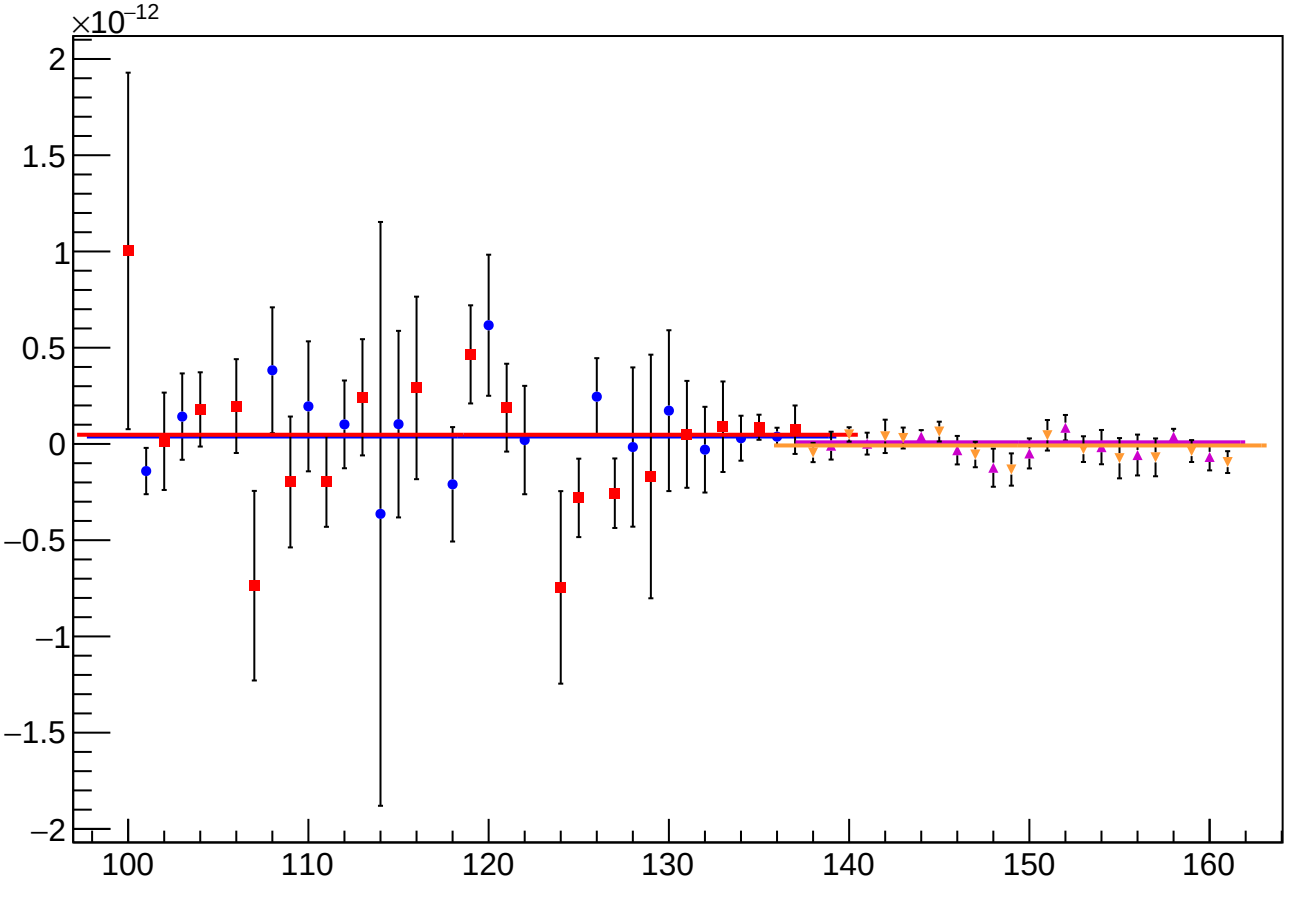
Left In: 1598.767+/-0.369 χ^2/NDF:212507.3/10

+ sign 1731.976+/-0.302 χ^2/NDF: 2138333.7/28

All: 1764.234+/-0.219 χ^2/NDF: 4363406.4/58

- sign 1800.273+/-0.319 χ^2/NDF: 2200930.3/29

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:12.3/12

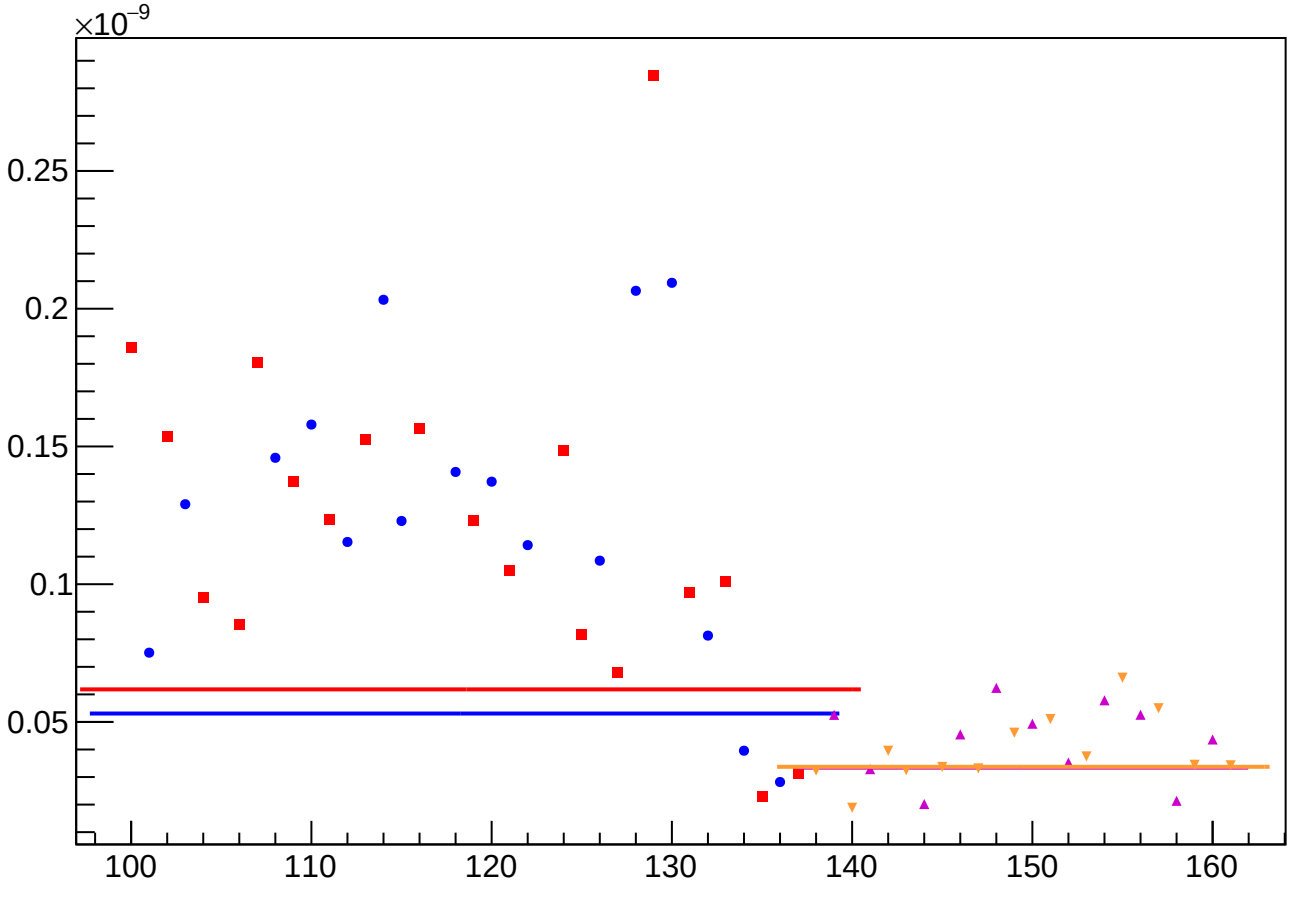
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 22.0/28

All: 0.000+/-0.000 χ^2/NDF: 48.2/58

- sign 0.000+/-0.000 χ^2/NDF: 25.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:757004.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

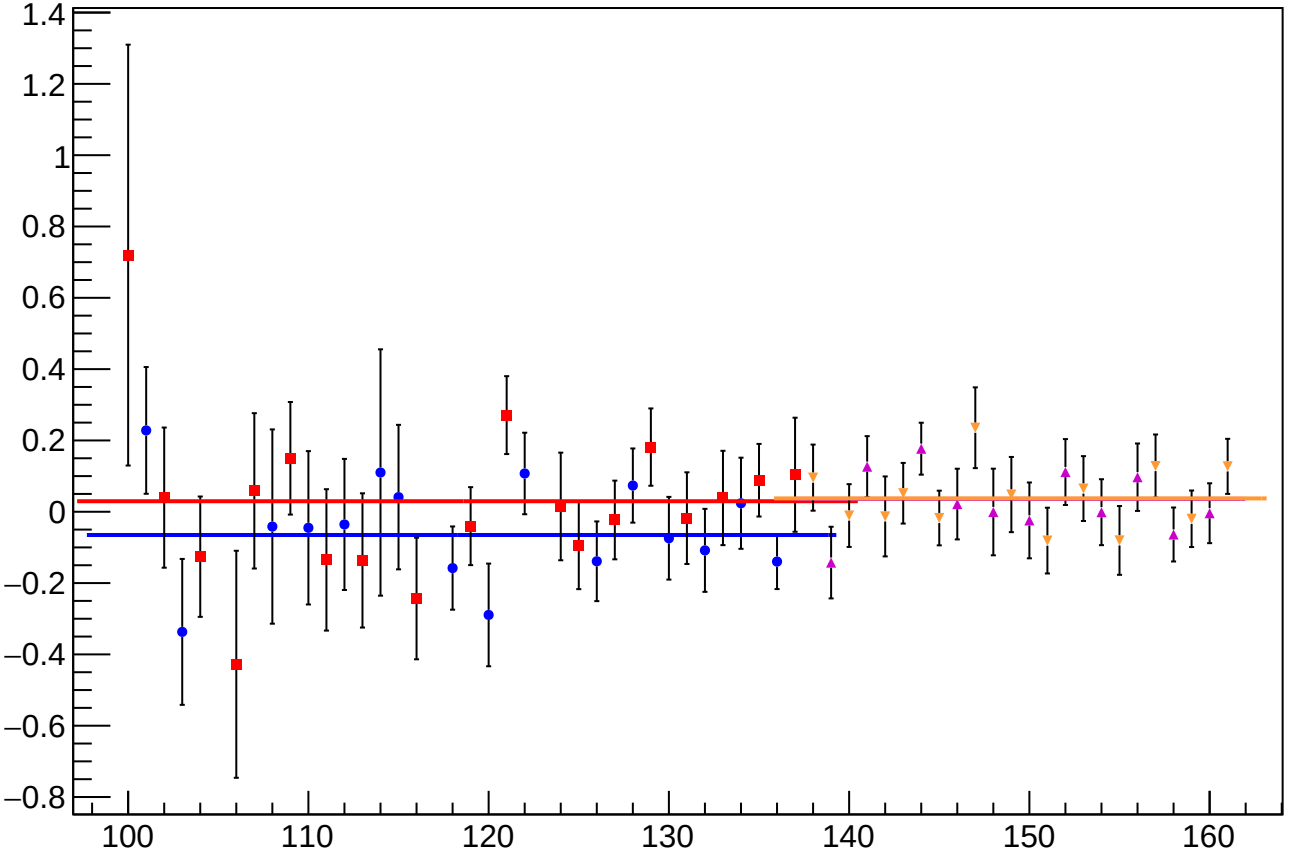
Left In: 0.000+/-0.000 χ^2/NDF:1182238.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 3799462.4/28

All: 0.000+/-0.000 χ^2/NDF: 8130679.0/58

- sign 0.000+/-0.000 χ^2/NDF: 4330266.8/29

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: 0.037+/-0.025 χ^2/NDF:10.7/12

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

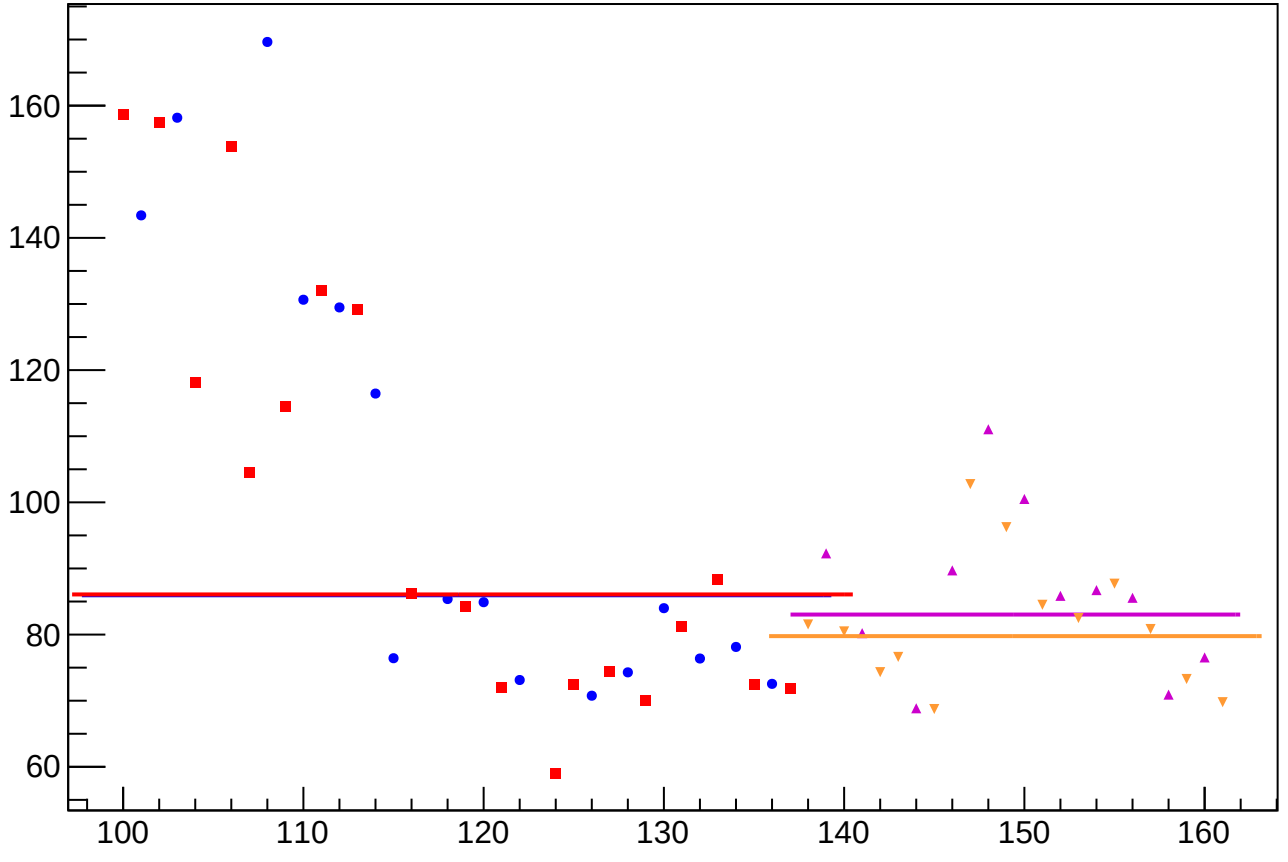
Left In: 0.036+/-0.027 χ^2/NDF:11.7/10

+ sign 0.000+/-0.020 χ^2/NDF: 30.9/28

All: 0.016+/-0.014 χ^2/NDF: 62.0/58

- sign 0.033+/-0.021 χ^2/NDF: 29.8/29

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: 79.766+/-0.018 χ^2/NDF:248723.4/12

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

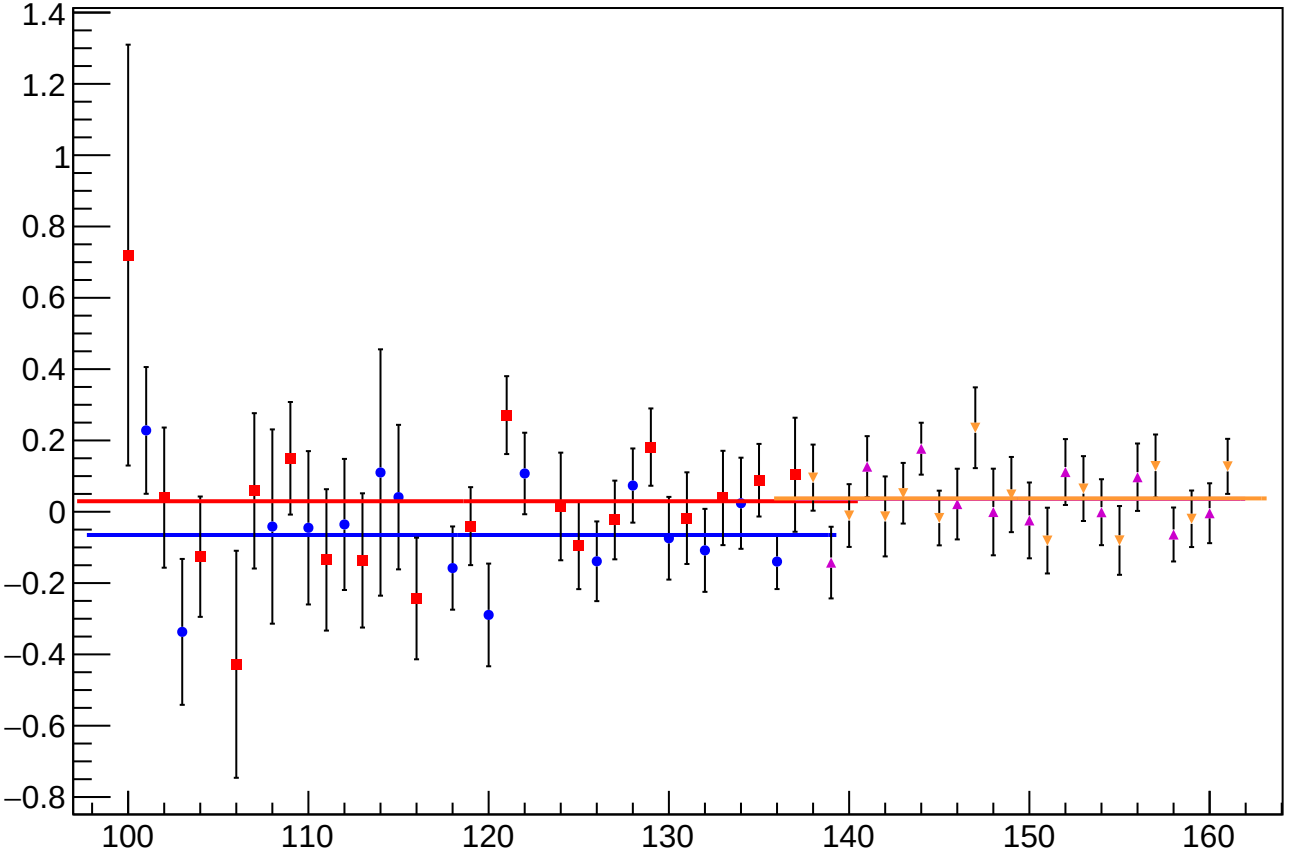
Left In: 83.030+/-0.019 χ^2/NDF:334250.8/10

\+ sign 81.992+/-0.014 χ^2/NDF: 1327774.7/28

All: 83.072+/-0.010 χ^2/NDF: 2675820.2/58

\- sign 84.266+/-0.015 χ^2/NDF: 1335741.0/29

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: 0.037+/-0.025 χ^2/NDF:10.7/12

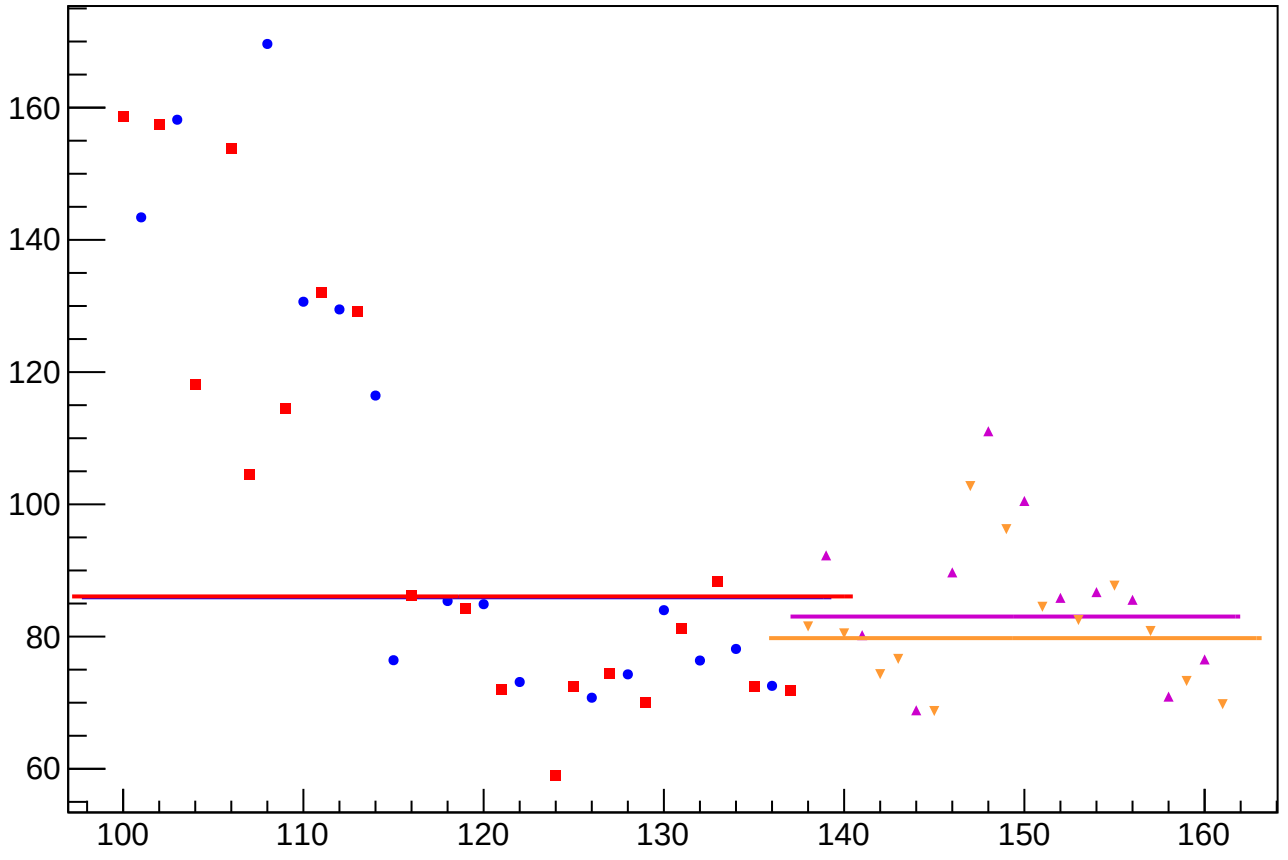
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.036+/-0.027 χ^2/NDF:11.7/10

+ sign 0.000+/-0.020 χ^2/NDF: 30.9/28

All: 0.016+/-0.014 χ^2/NDF: 62.0/58

- sign 0.033+/-0.021 χ^2/NDF: 29.8/29



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 79.766+/-0.018 χ^2/NDF:248723.4/12

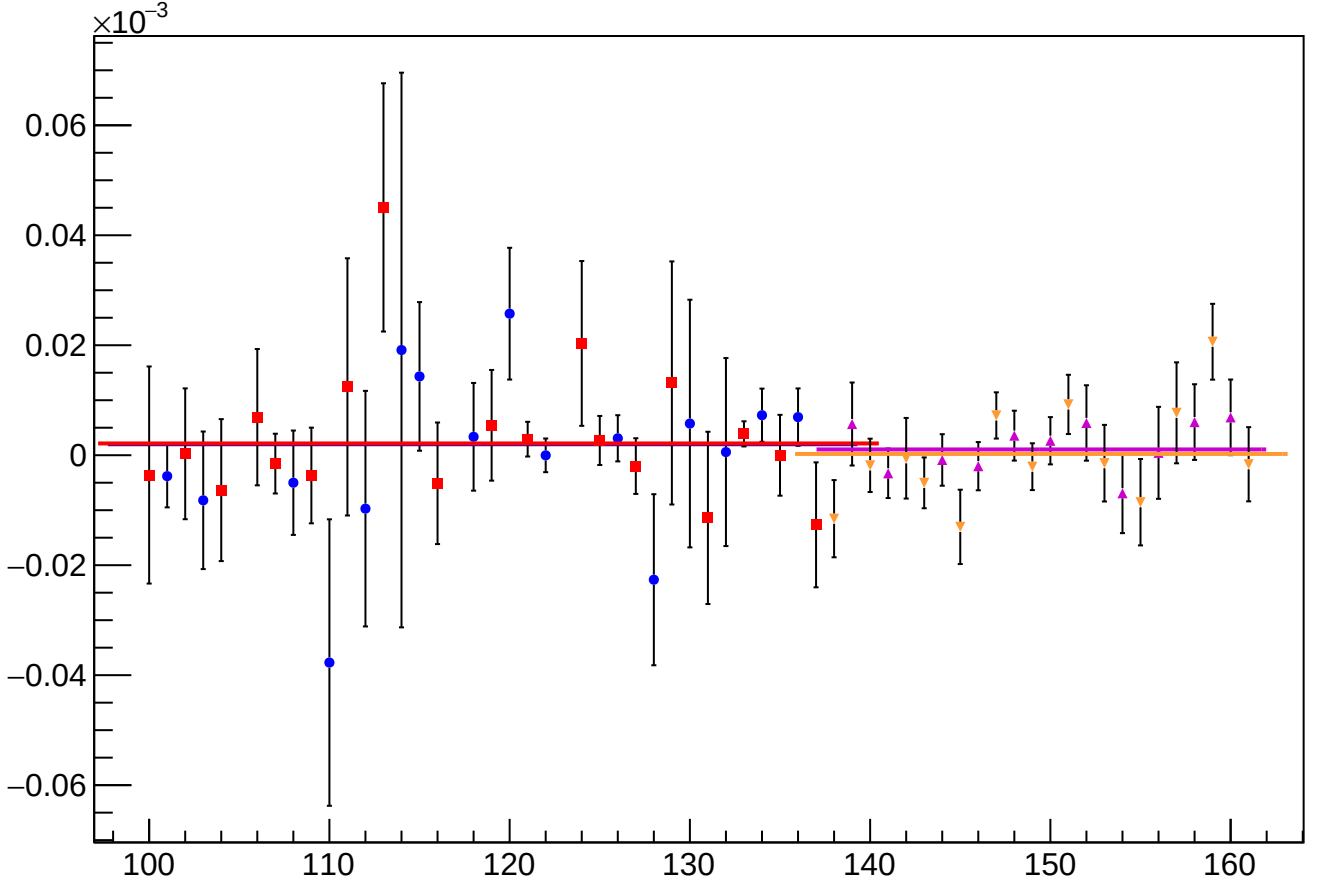
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.030+/-0.019 χ^2/NDF:334250.8/10

\+ sign 81.992+/-0.014 χ^2/NDF: 1327774.7/28

All: 83.072+/-0.010 χ^2/NDF: 2675820.2/58

\- sign 84.266+/-0.015 χ^2/NDF: 1335741.0/29



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/12

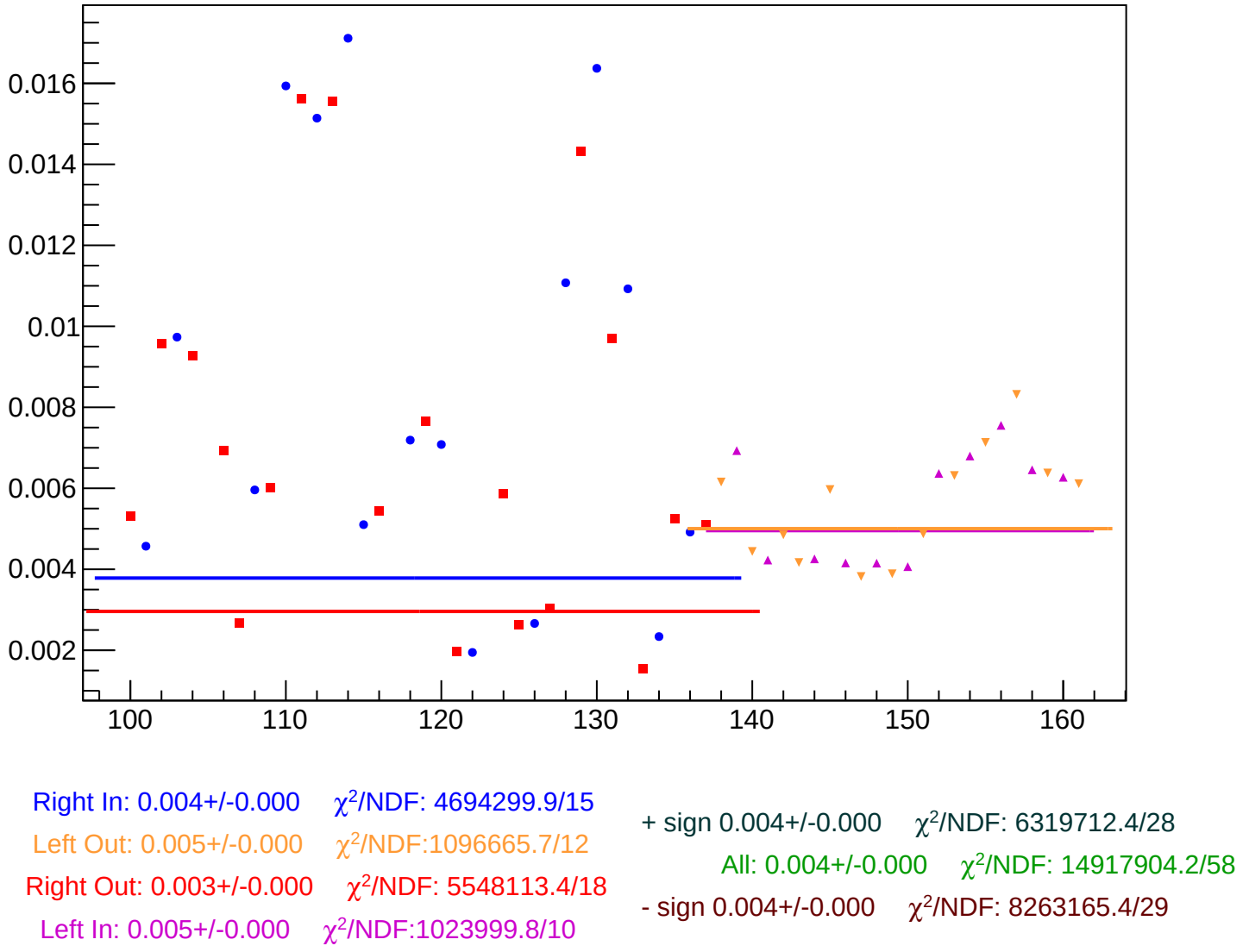
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/10

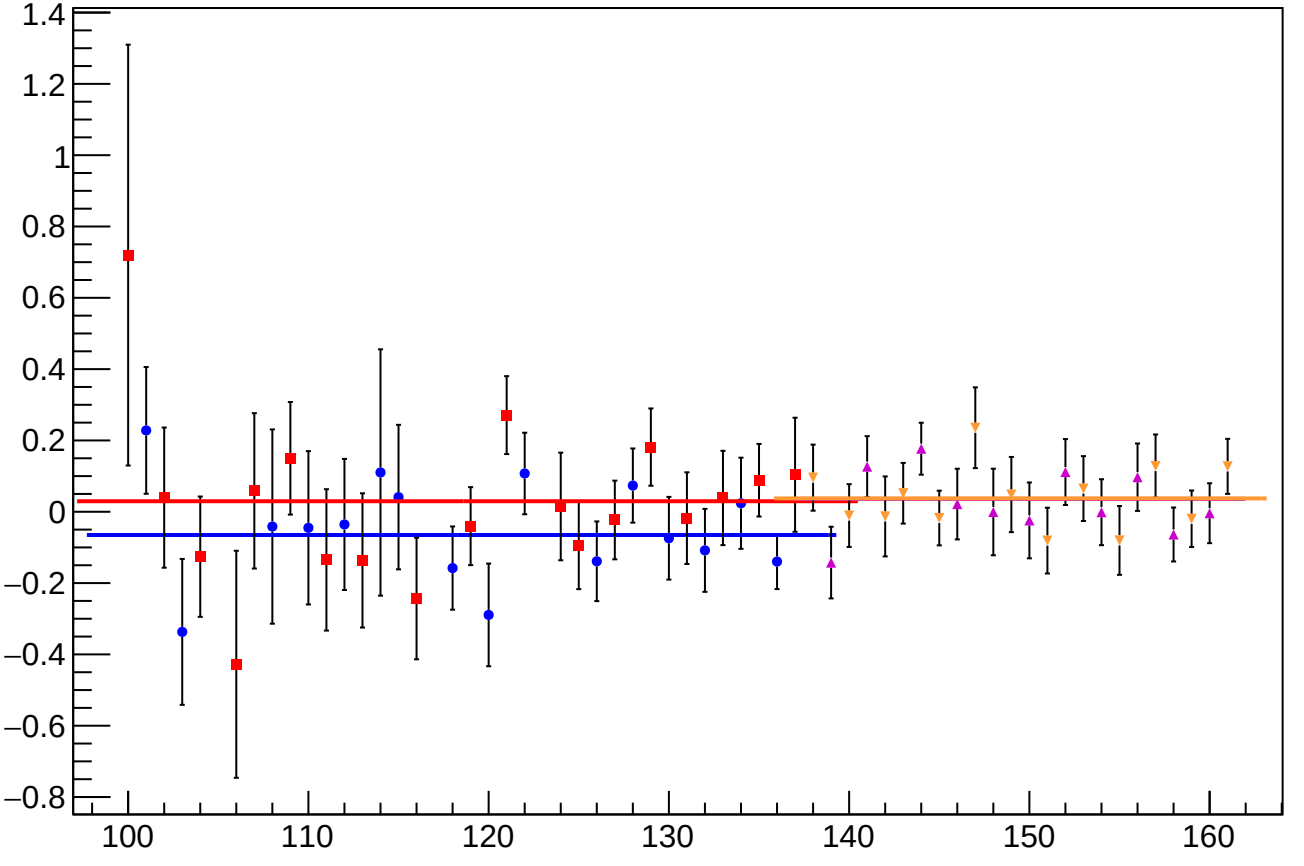
+ sign 0.000+/-0.000 χ^2/NDF: 40.3/28

All: 0.000+/-0.000 χ^2/NDF: 57.5/58

- sign 0.000+/-0.000 χ^2/NDF: 17.1/29


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
Right In: 0.004+/-0.000 χ²/NDF: 4694299.9/15
Left Out: 0.005+/-0.000 χ²/NDF:1096665.7/12
Right Out: 0.003+/-0.000 χ²/NDF: 5548113.4/18
Left In: 0.005+/-0.000 χ²/NDF:1023999.8/10
+ sign 0.004+/-0.000 χ²/NDF: 6319712.4/28
All: 0.004+/-0.000 χ²/NDF: 14917904.2/58
- sign 0.004+/-0.000 χ²/NDF: 8263165.4/29

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: 0.037+/-0.025 χ^2/NDF:10.7/12

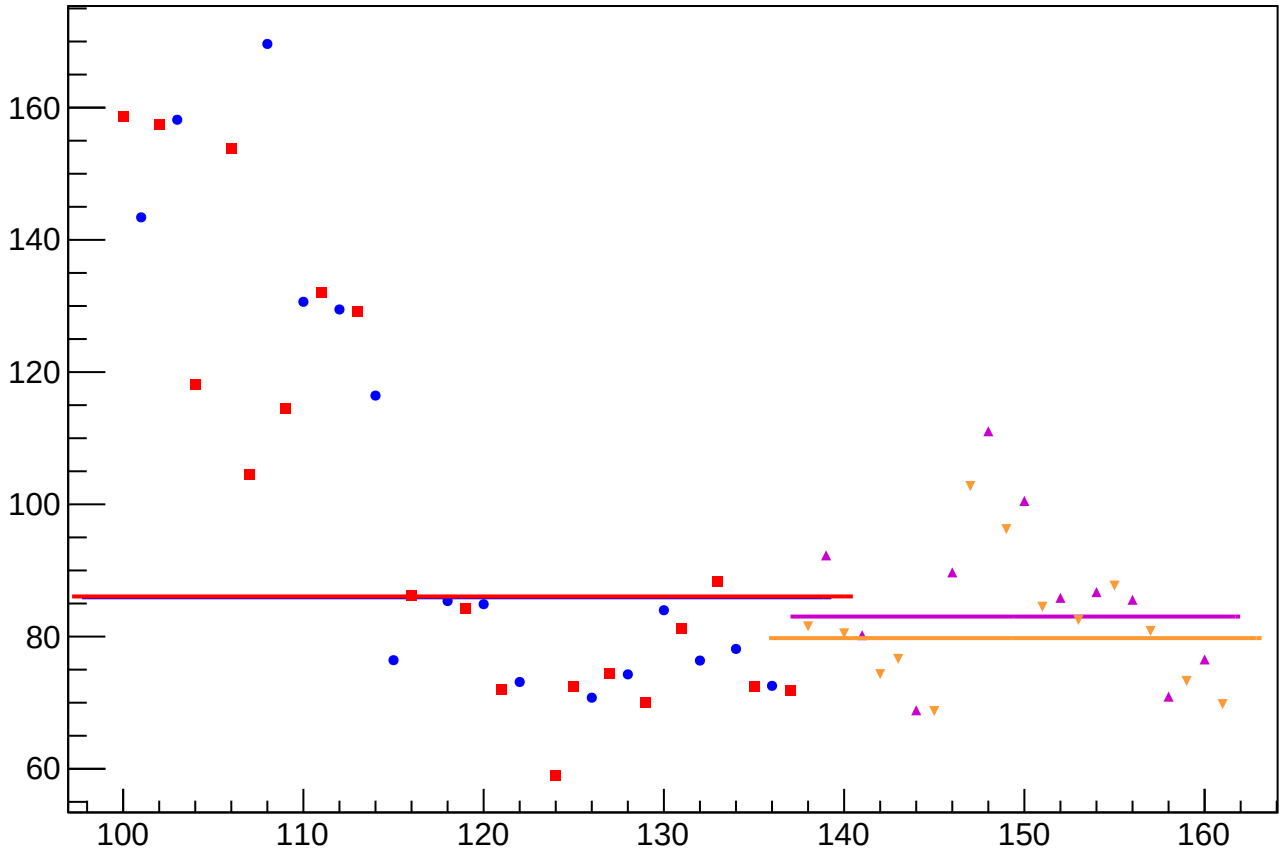
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.036+/-0.027 χ^2/NDF:11.7/10

+ sign 0.000+/-0.020 χ^2/NDF: 30.9/28

All: 0.016+/-0.014 χ^2/NDF: 62.0/58

- sign 0.033+/-0.021 χ^2/NDF: 29.8/29



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 79.766+/-0.018 χ^2/NDF:248769.4/12

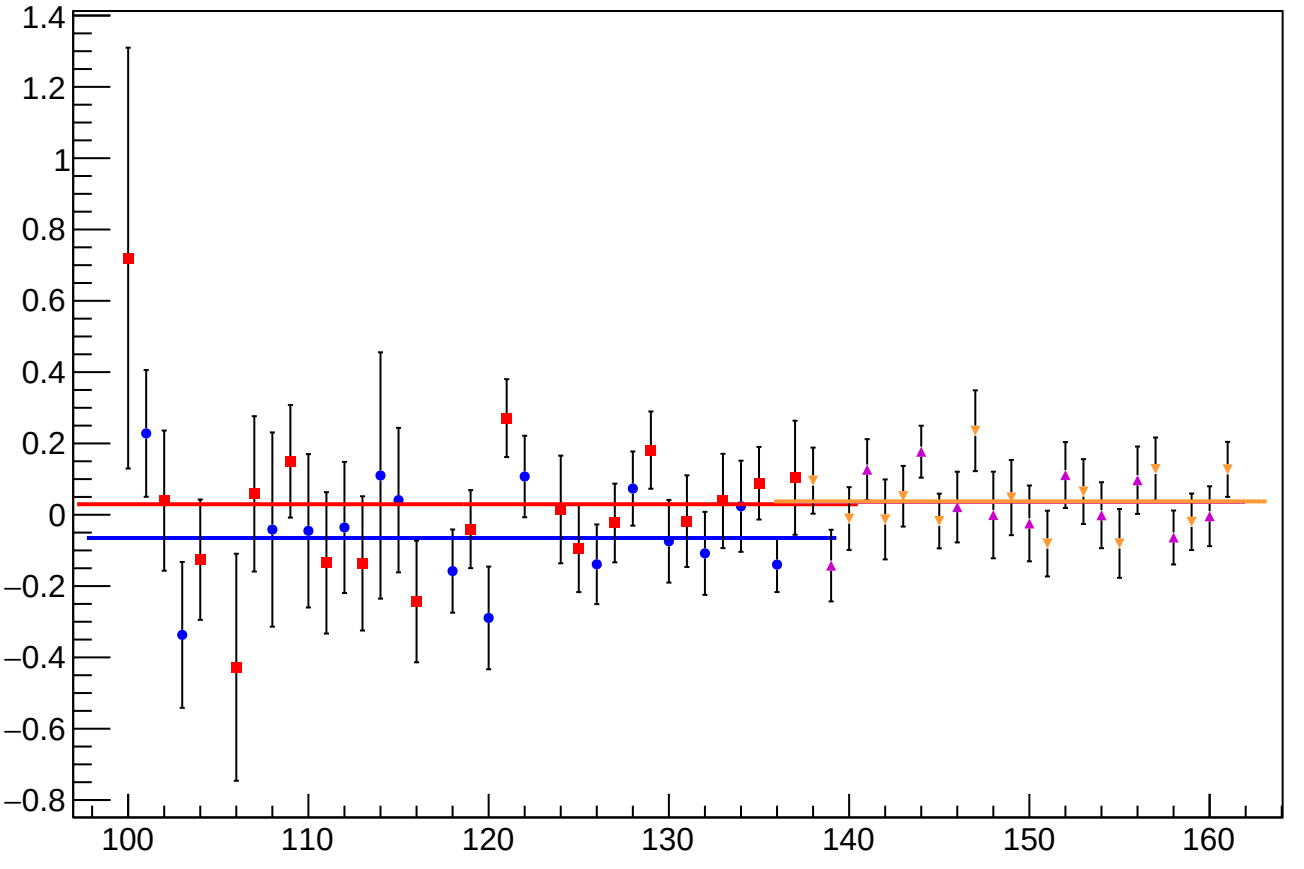
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.029+/-0.019 χ^2/NDF:334279.1/10

+ sign 81.990+/-0.014 χ^2/NDF: 1327778.6/28

All: 83.071+/-0.010 χ^2/NDF: 2675837.2/58

- sign 84.265+/-0.015 χ^2/NDF: 1335753.8/29



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.037+/-0.025 χ^2/NDF:10.7/12

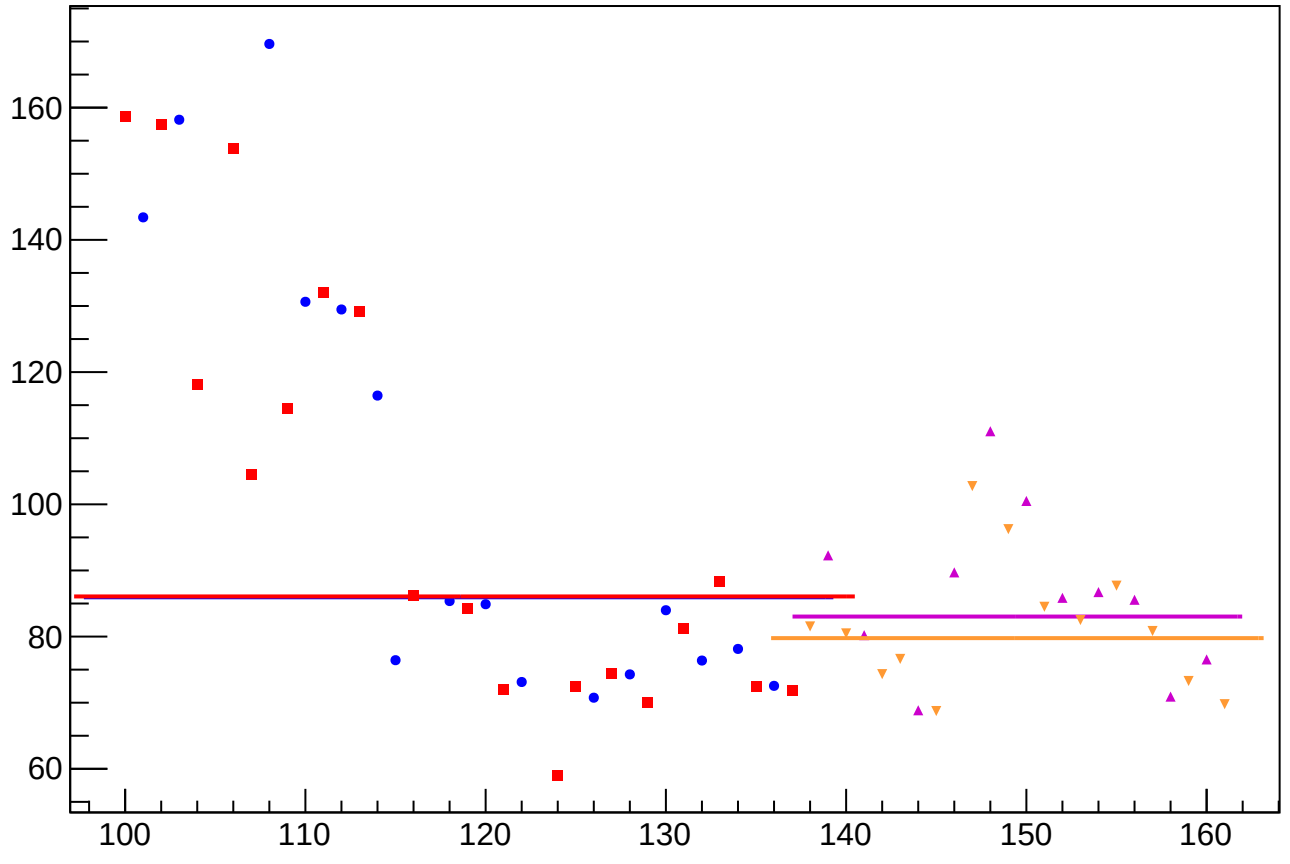
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.036+/-0.027 χ^2/NDF:11.7/10

+ sign 0.000+/-0.020 χ^2/NDF: 30.9/28

All: 0.016+/-0.014 χ^2/NDF: 62.0/58

- sign 0.033+/-0.021 χ^2/NDF: 29.8/29



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 79.766+/-0.018 χ^2/NDF:248769.4/12

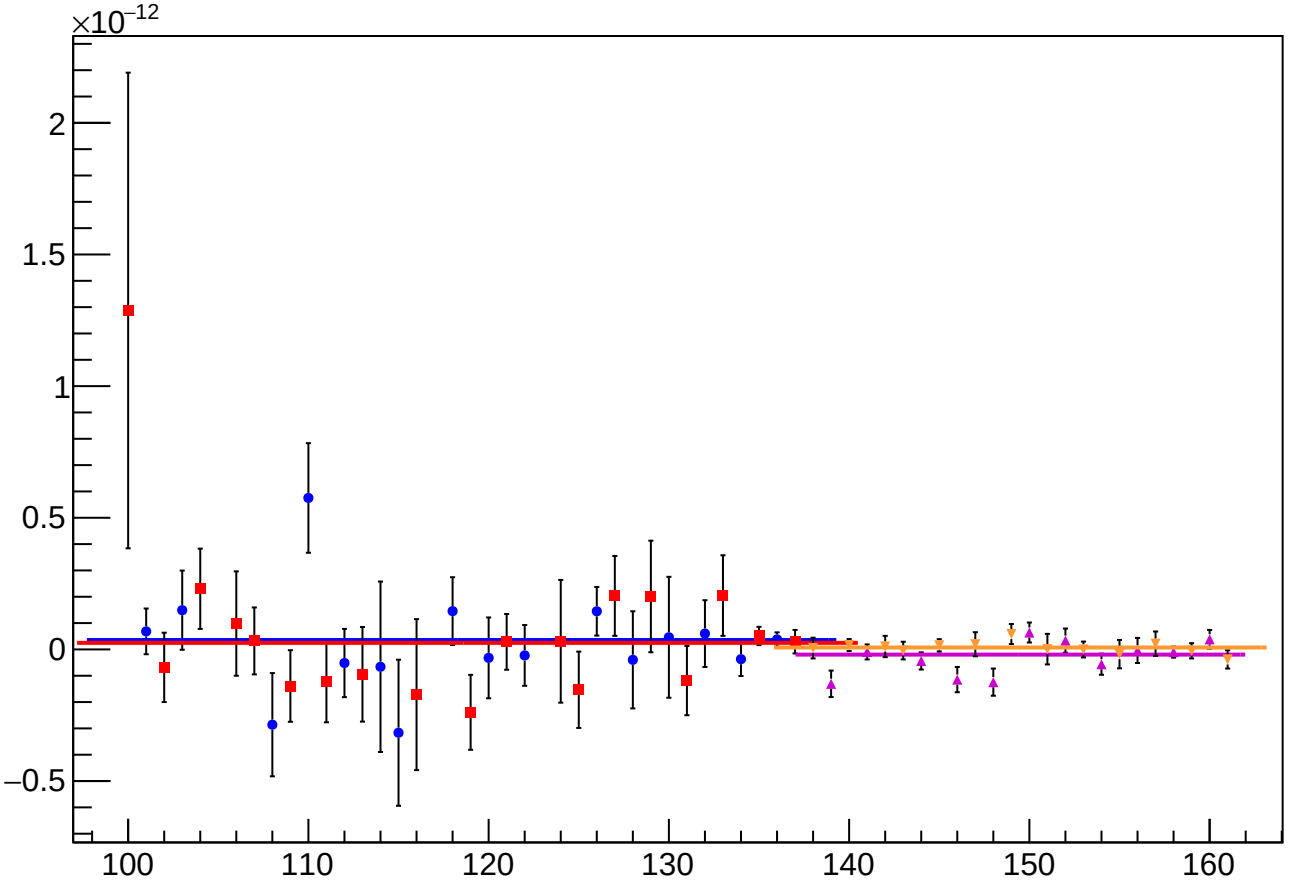
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.029+/-0.019 χ^2/NDF:334279.1/10

+ sign 81.990+/-0.014 χ^2/NDF: 1327778.6/28

All: 83.071+/-0.010 χ^2/NDF: 2675837.2/58

- sign 84.265+/-0.015 χ^2/NDF: 1335753.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.6/12

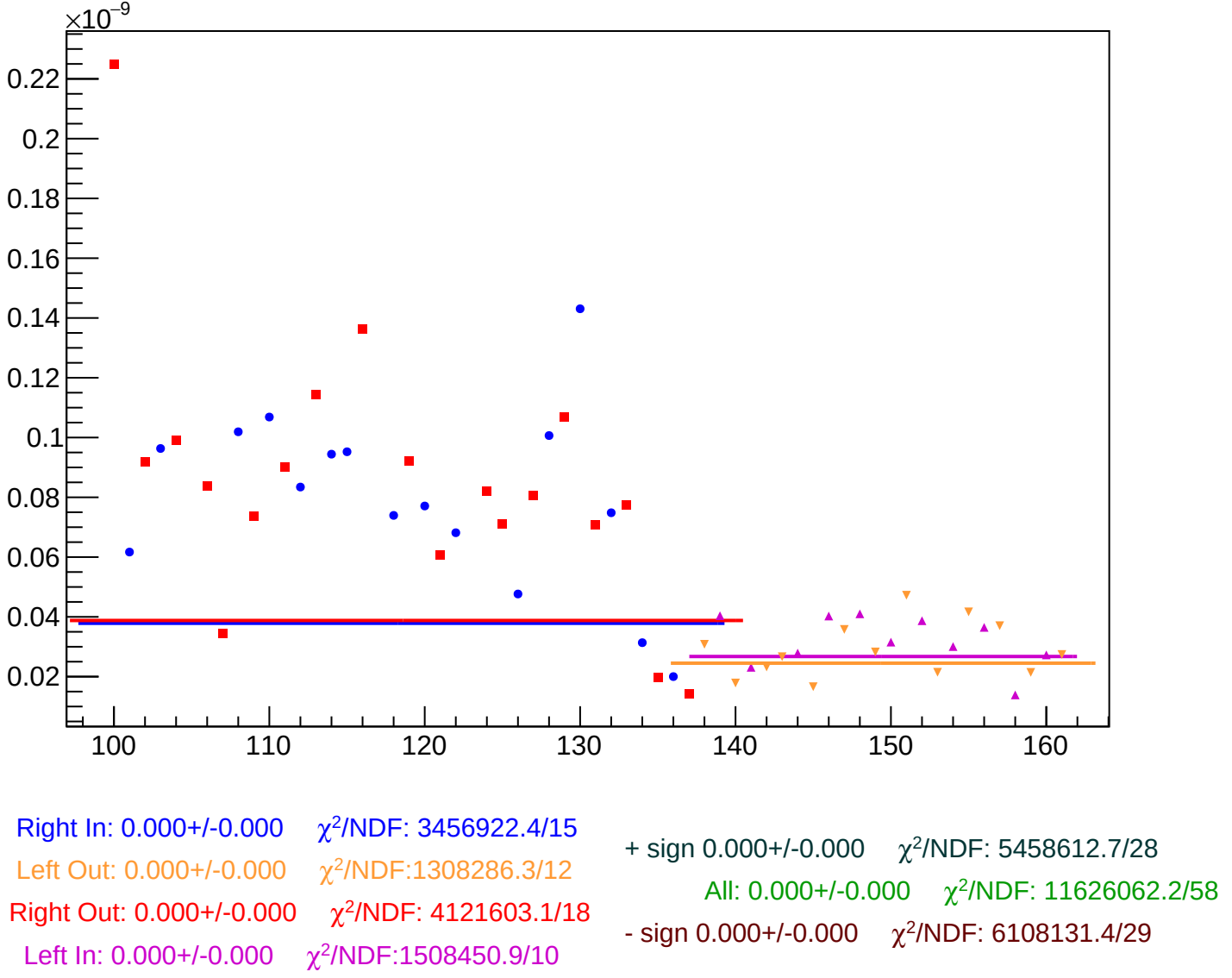
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:23.6/10

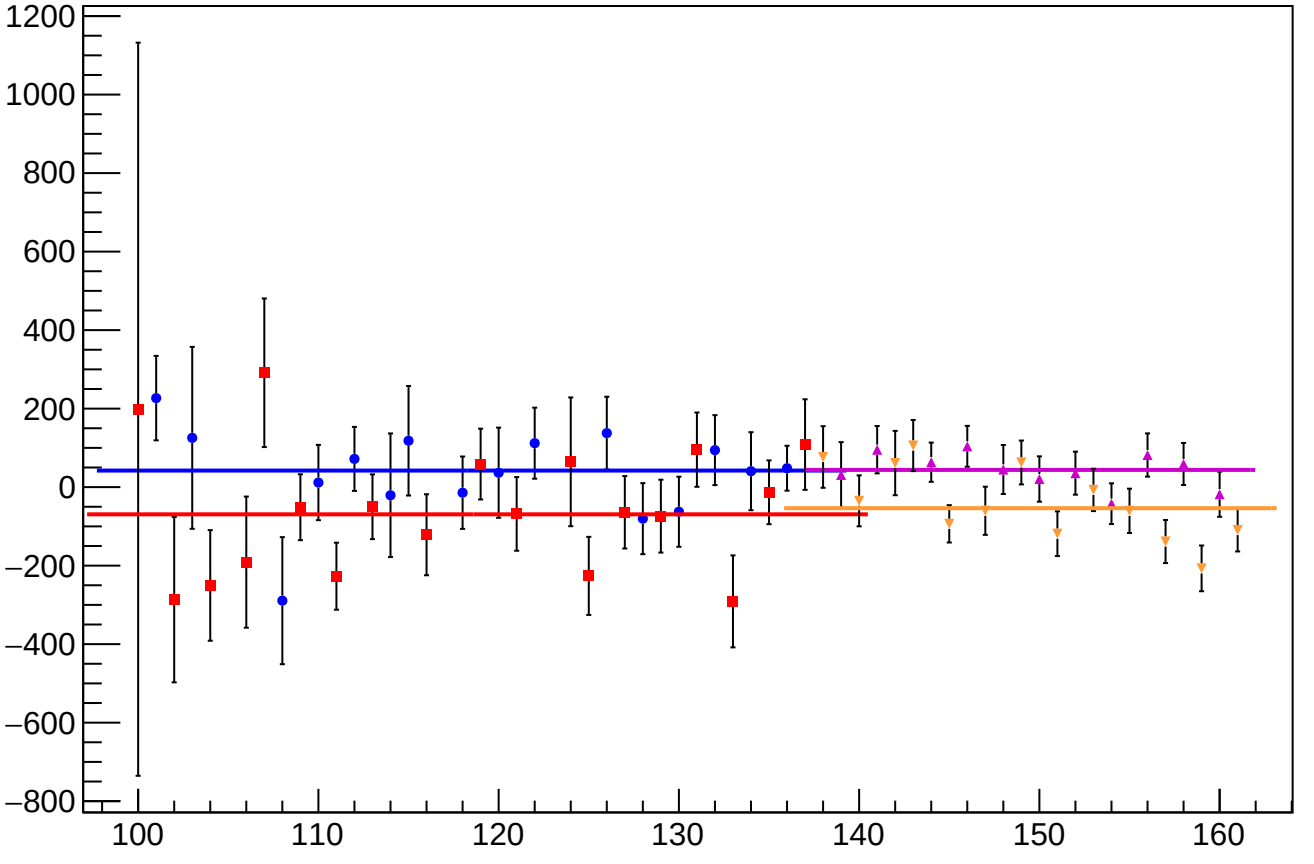
+ sign 0.000+/-0.000 χ^2/NDF: 22.5/28

All: 0.000+/-0.000 χ^2/NDF: 70.5/58

- sign -0.000+/-0.000 χ^2/NDF: 44.7/29


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
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1308286.3/12
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:1508450.9/10
+ sign 0.000+/-0.000 χ²/NDF: 5458612.7/28
All: 0.000+/-0.000 χ²/NDF: 11626062.2/58
- sign 0.000+/-0.000 χ²/NDF: 6108131.4/29

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -53.638+/-16.351 χ^2/NDF:28.3/12

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

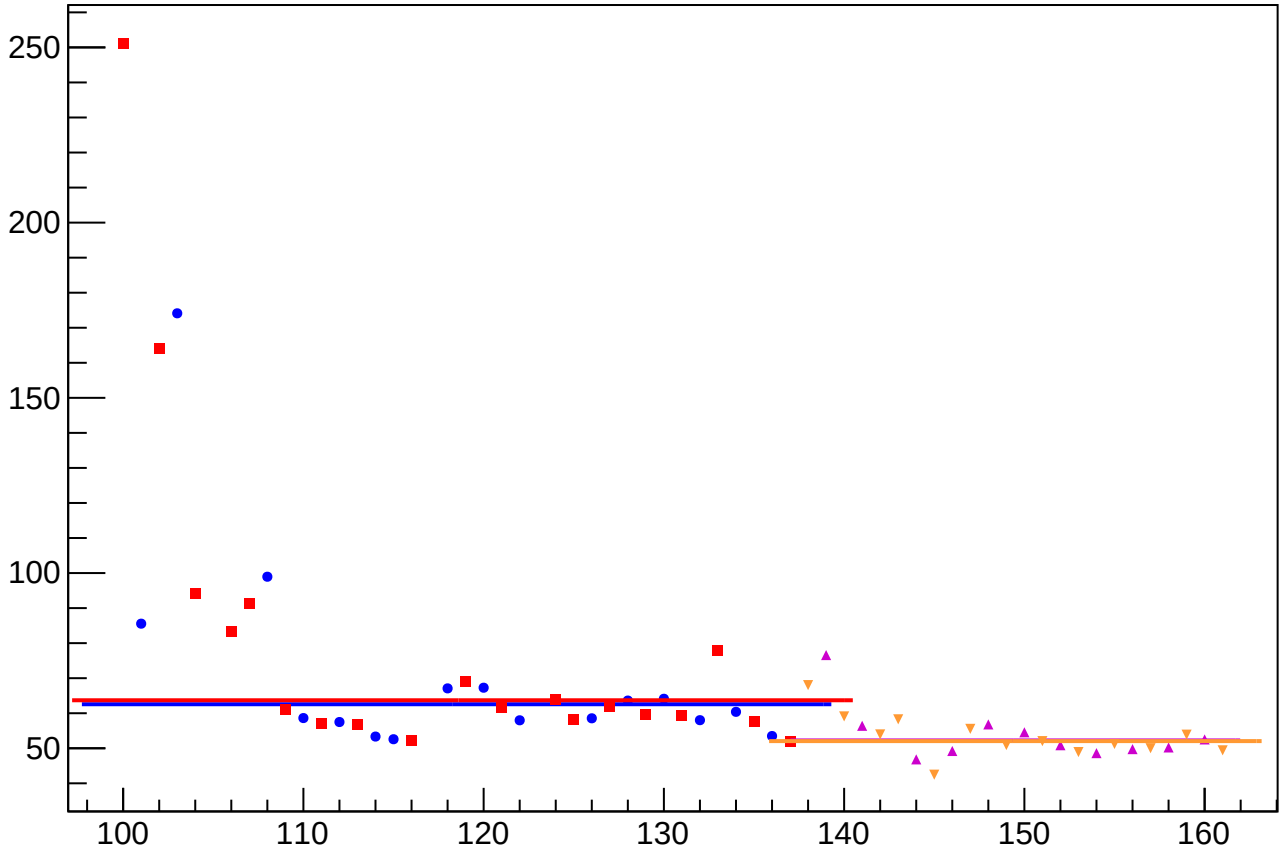
Left In: 43.870+/-17.077 χ^2/NDF:6.9/10

+ sign -23.606+/-13.549 χ^2/NDF: 52.6/28

All: -8.935+/-9.734 χ^2/NDF: 101.7/58

- sign 6.715+/-13.994 χ^2/NDF: 46.7/29

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 52.046+/-0.012 χ^2/NDF:230654.9/12

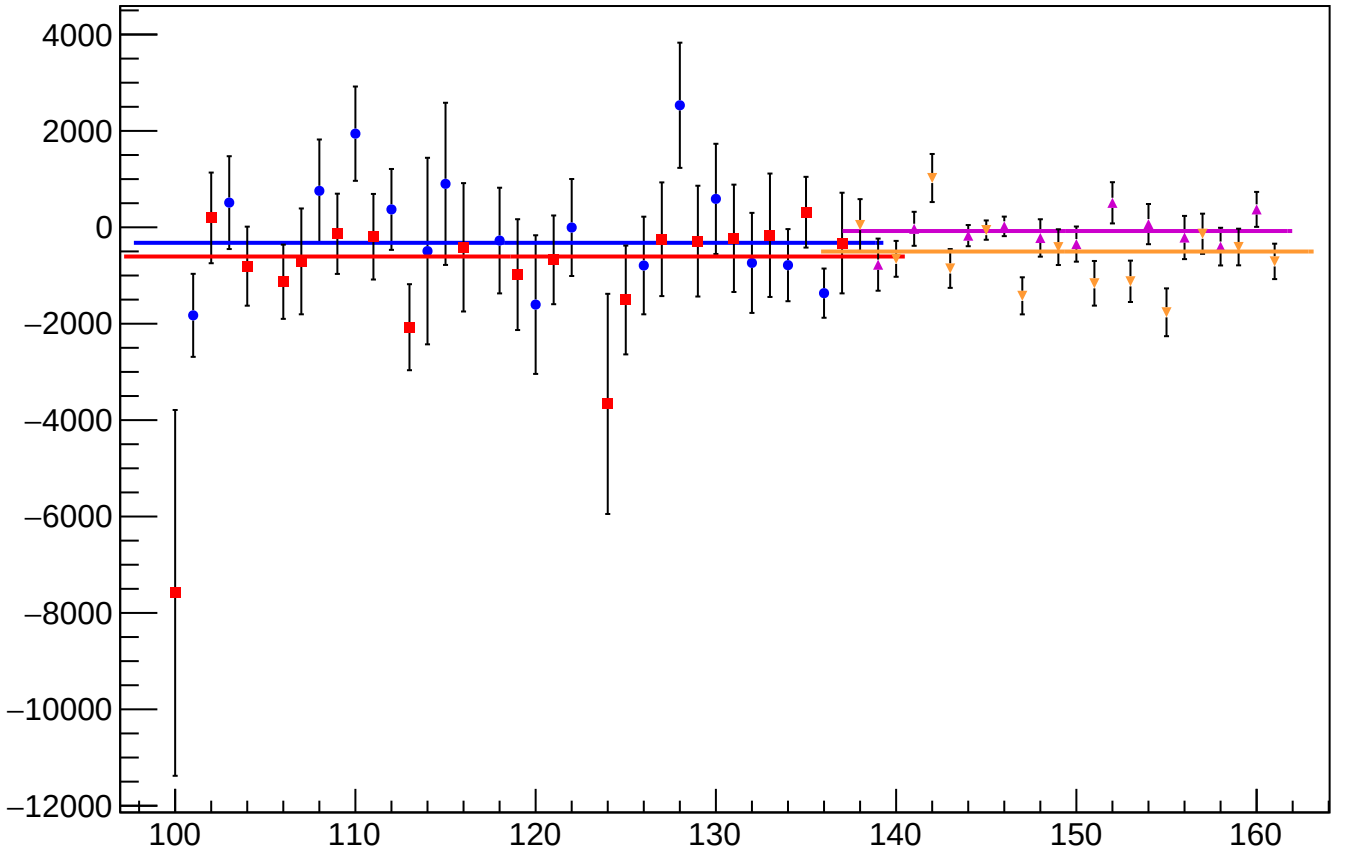
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 52.240+/-0.012 χ^2/NDF:241743.4/10

+ sign 55.342+/-0.010 χ^2/NDF: 1248604.7/28

All: 55.662+/-0.007 χ^2/NDF: 2622613.2/58

- sign 56.004+/-0.010 χ^2/NDF: 1371697.8/29



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -502.316+/-103.100 χ^2/NDF:33.7/12

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

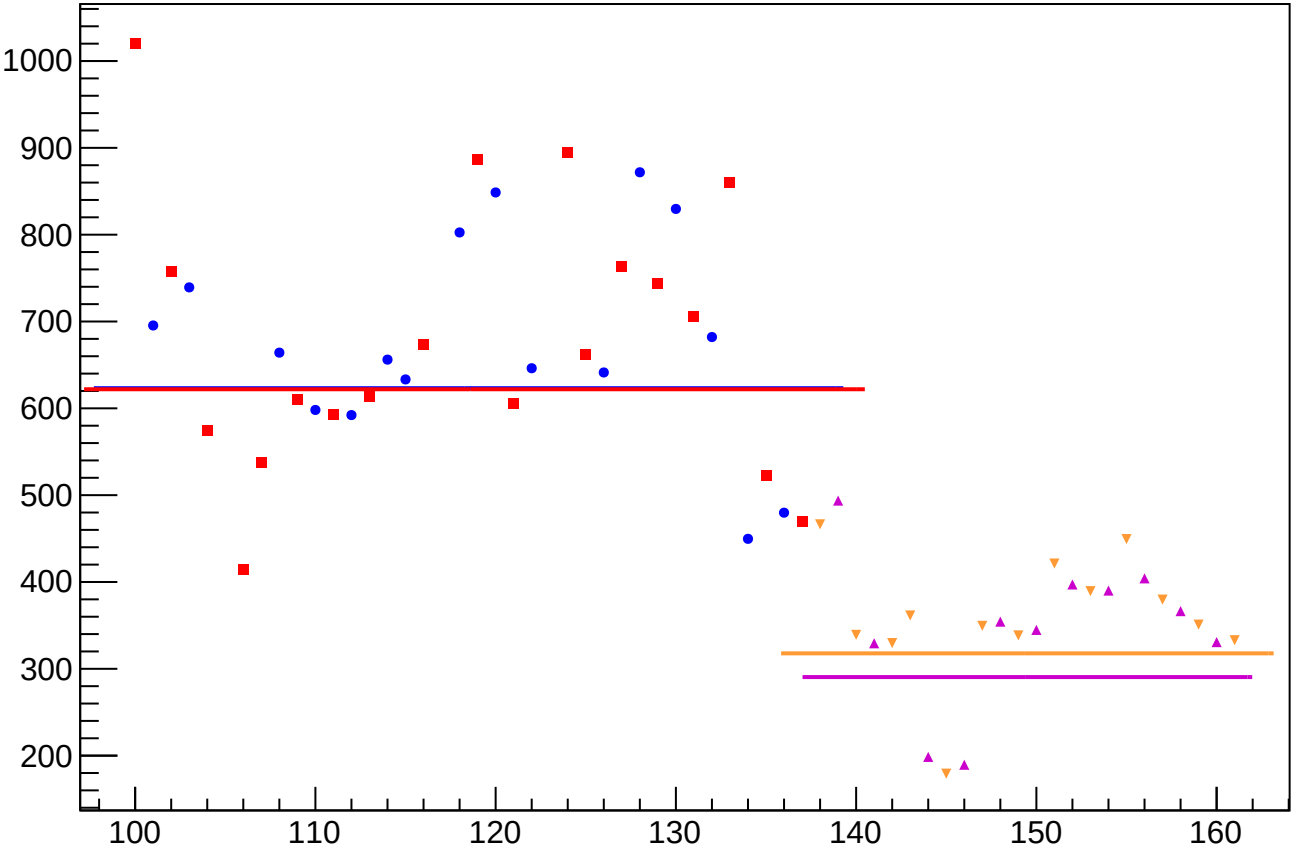
Left In: -76.903+/-99.469 χ^2/NDF:7.1/10

+ sign -473.869+/-94.635 χ^2/NDF: 56.9/28

All: -310.683+/-65.788 χ^2/NDF: 86.6/58

- sign -158.064+/-91.520 χ^2/NDF: 23.9/29

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 317.808+/-0.073 χ^2/NDF:1519963.0/12

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

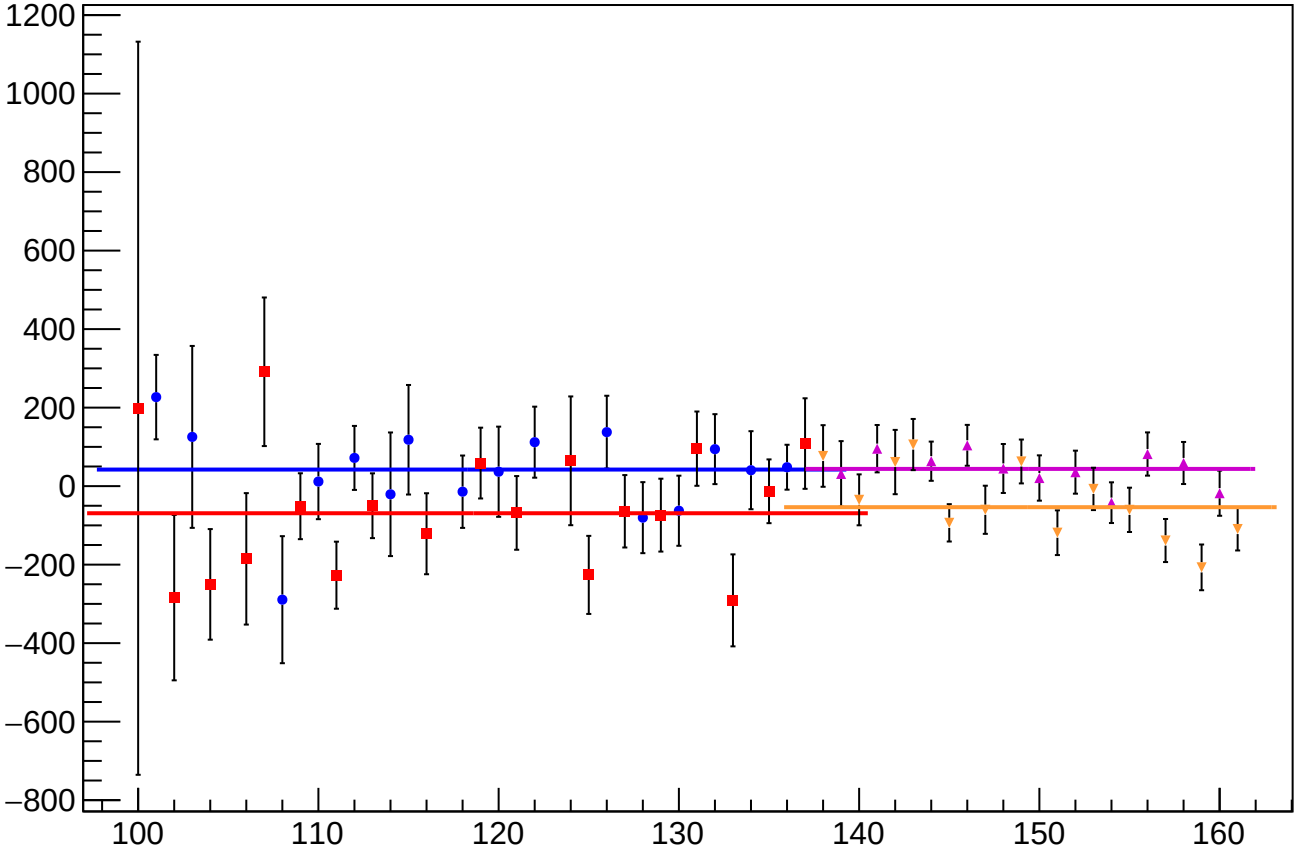
Left In: 290.493+/-0.070 χ^2/NDF:1720193.0/10

+ sign 365.894+/-0.067 χ^2/NDF: 4848390.8/28

All: 353.214+/-0.047 χ^2/NDF: 10628697.9/58

- sign 341.354+/-0.065 χ^2/NDF: 5710813.4/29

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -53.637+/-16.351 χ^2/NDF:28.3/12

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

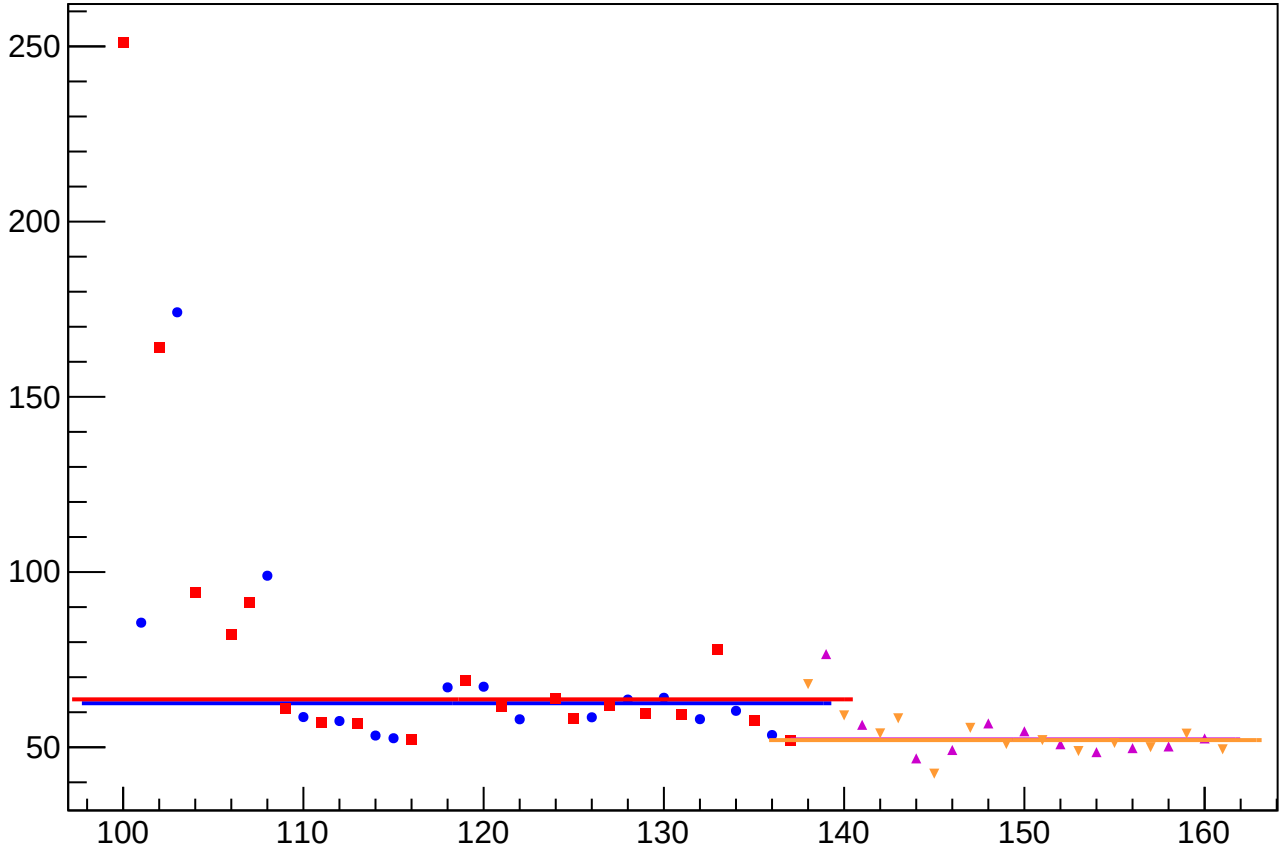
Left In: 43.868+/-17.077 χ^2/NDF:6.9/10

+ sign -23.607+/-13.549 χ^2/NDF: 52.6/28

All: -8.906+/-9.734 χ^2/NDF: 101.6/58

- sign 6.776+/-13.995 χ^2/NDF: 46.5/29

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.046+/-0.012 χ^2/NDF:230654.9/12

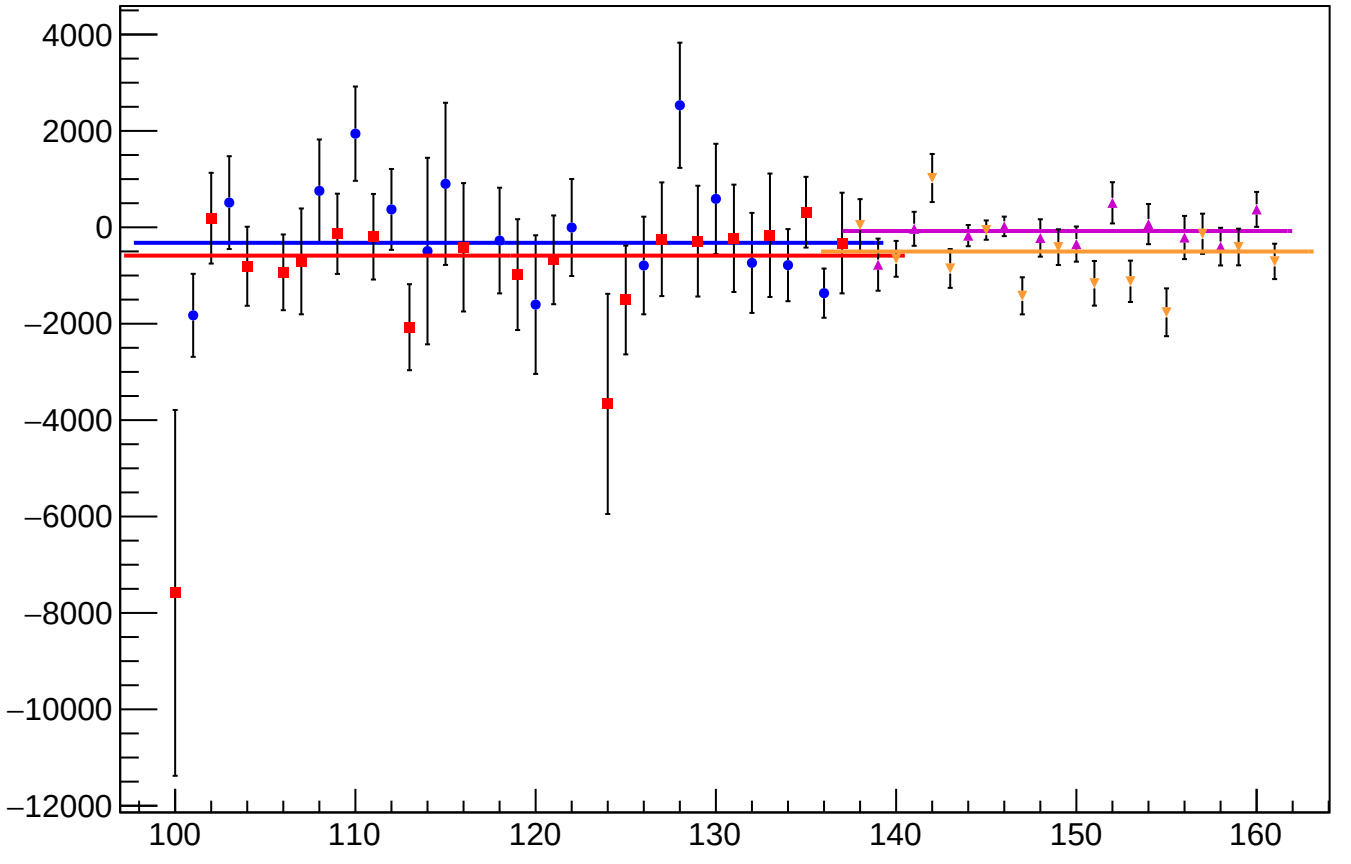
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.240+/-0.012 χ^2/NDF:241743.4/10

+ sign 55.342+/-0.010 χ^2/NDF: 1248606.7/28

All: 55.658+/-0.007 χ^2/NDF: 2618541.5/58

- sign 55.996+/-0.010 χ^2/NDF: 1367681.2/29



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -502.313+/-103.100 χ^2/NDF:33.7/12

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

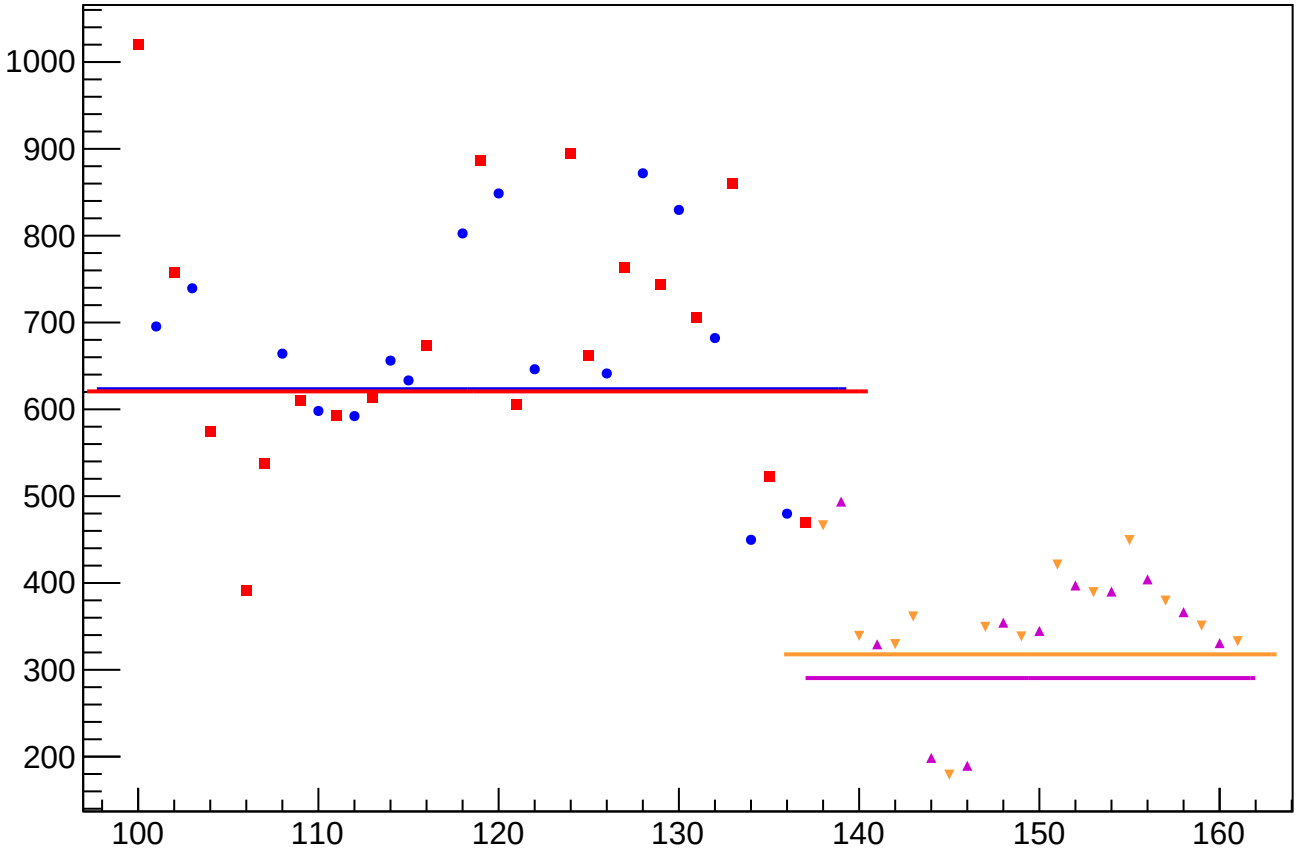
Left In: -76.907+/-99.468 χ^2/NDF:7.1/10

+ sign -473.866+/-94.635 χ^2/NDF: 56.9/28

All: -309.124+/-65.798 χ^2/NDF: 86.1/58

- sign -154.960+/-91.546 χ^2/NDF: 23.3/29

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 317.808+/-0.073 χ^2/NDF:1519970.2/12

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

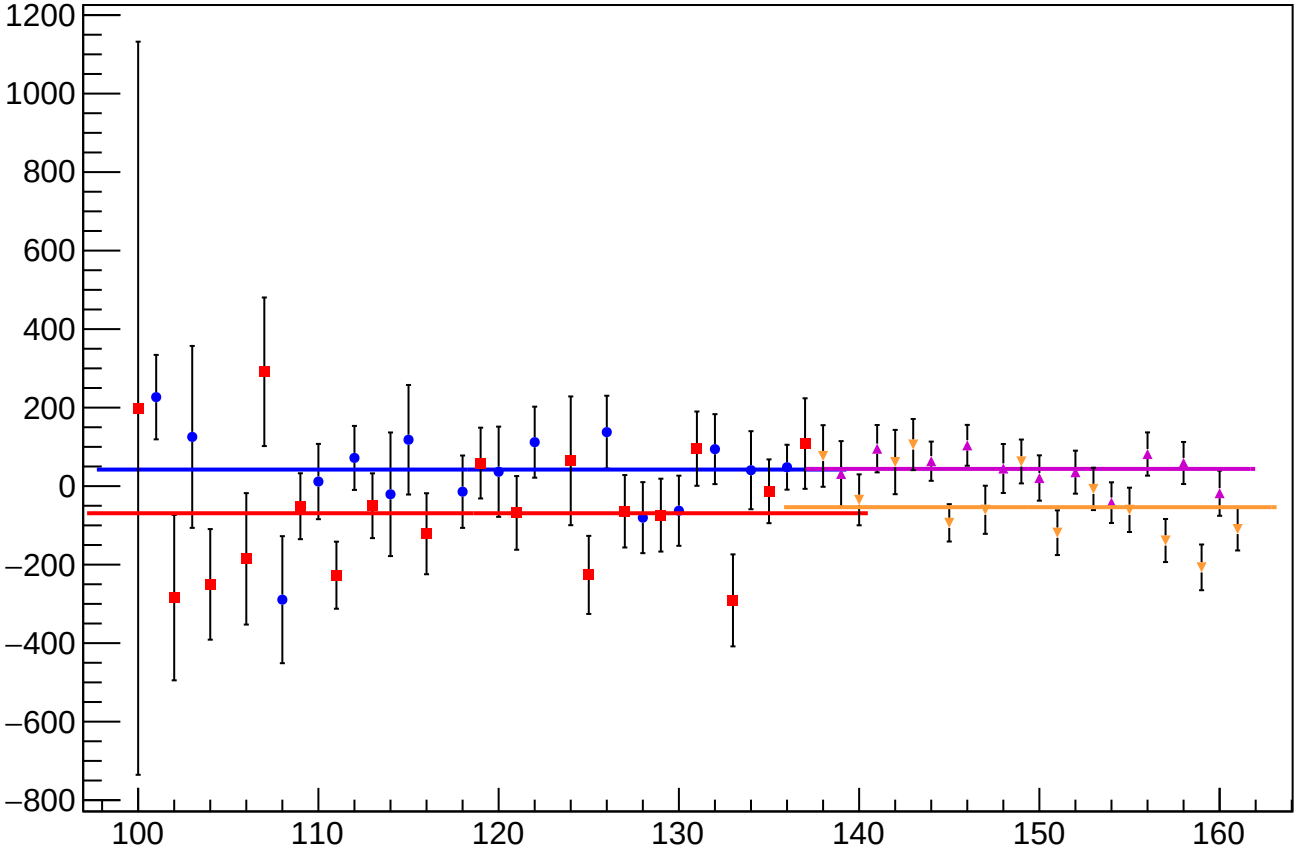
Left In: 290.493+/-0.070 χ^2/NDF:1720199.6/10

+ sign 365.894+/-0.067 χ^2/NDF: 4848459.5/28

All: 353.031+/-0.047 χ^2/NDF: 10621346.7/58

- sign 340.994+/-0.065 χ^2/NDF: 5701361.3/29

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -53.637+/-16.351 χ^2/NDF:28.3/12

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

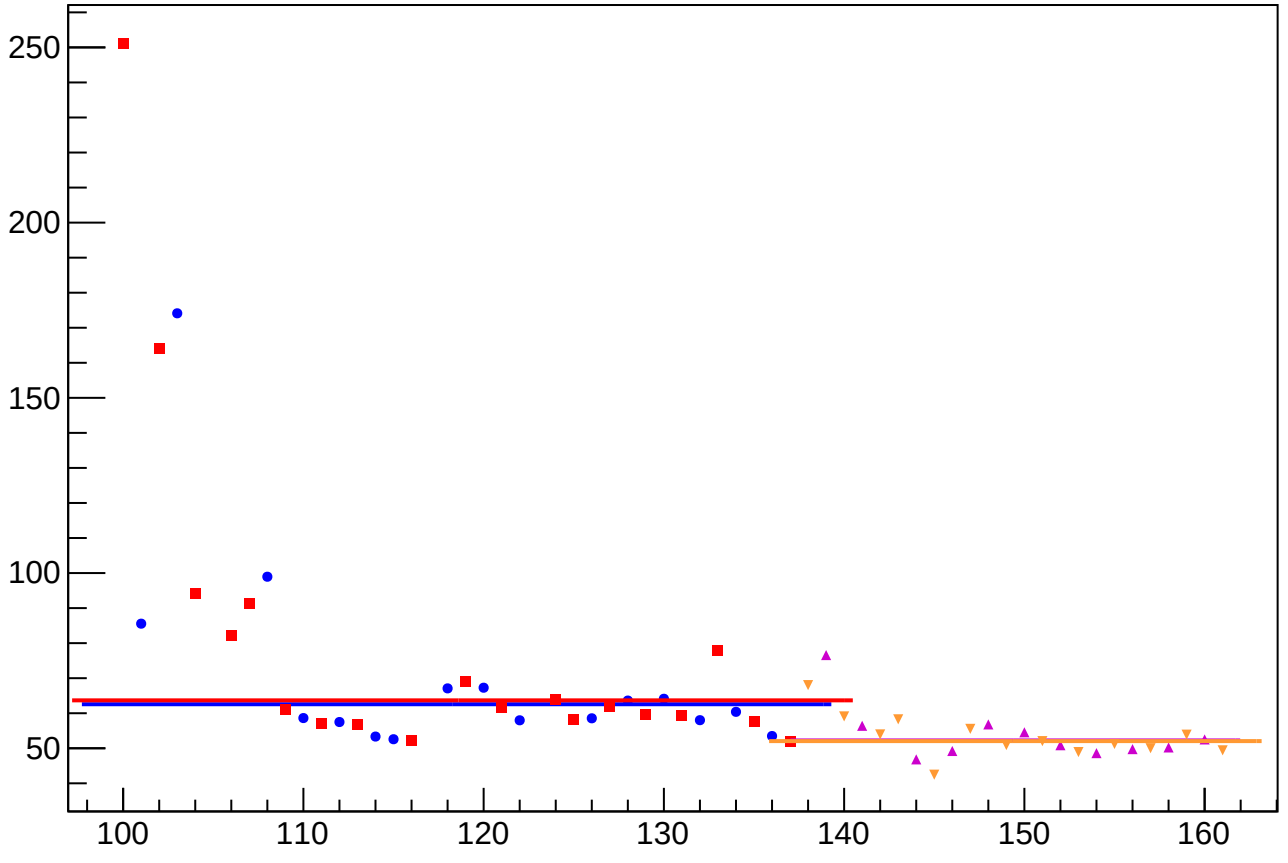
Left In: 43.868+/-17.077 χ^2/NDF:6.9/10

+ sign -23.607+/-13.549 χ^2/NDF: 52.6/28

All: -8.906+/-9.734 χ^2/NDF: 101.6/58

- sign 6.776+/-13.995 χ^2/NDF: 46.5/29

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.046+/-0.012 χ^2/NDF:230654.9/12

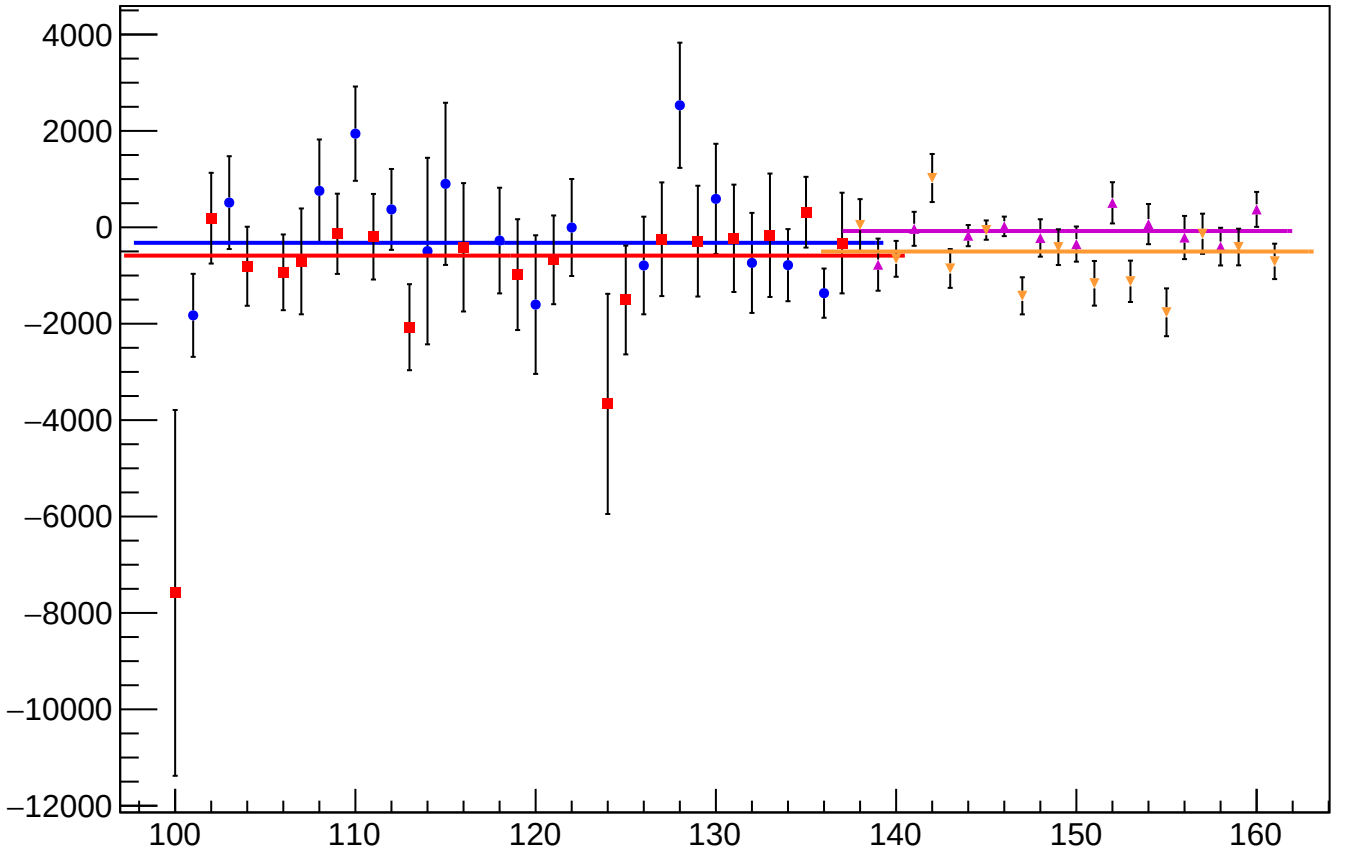
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.240+/-0.012 χ^2/NDF:241743.4/10

+ sign 55.342+/-0.010 χ^2/NDF: 1248606.7/28

All: 55.658+/-0.007 χ^2/NDF: 2618541.5/58

- sign 55.996+/-0.010 χ^2/NDF: 1367681.2/29



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -502.313+/-103.100 χ^2/NDF:33.7/12

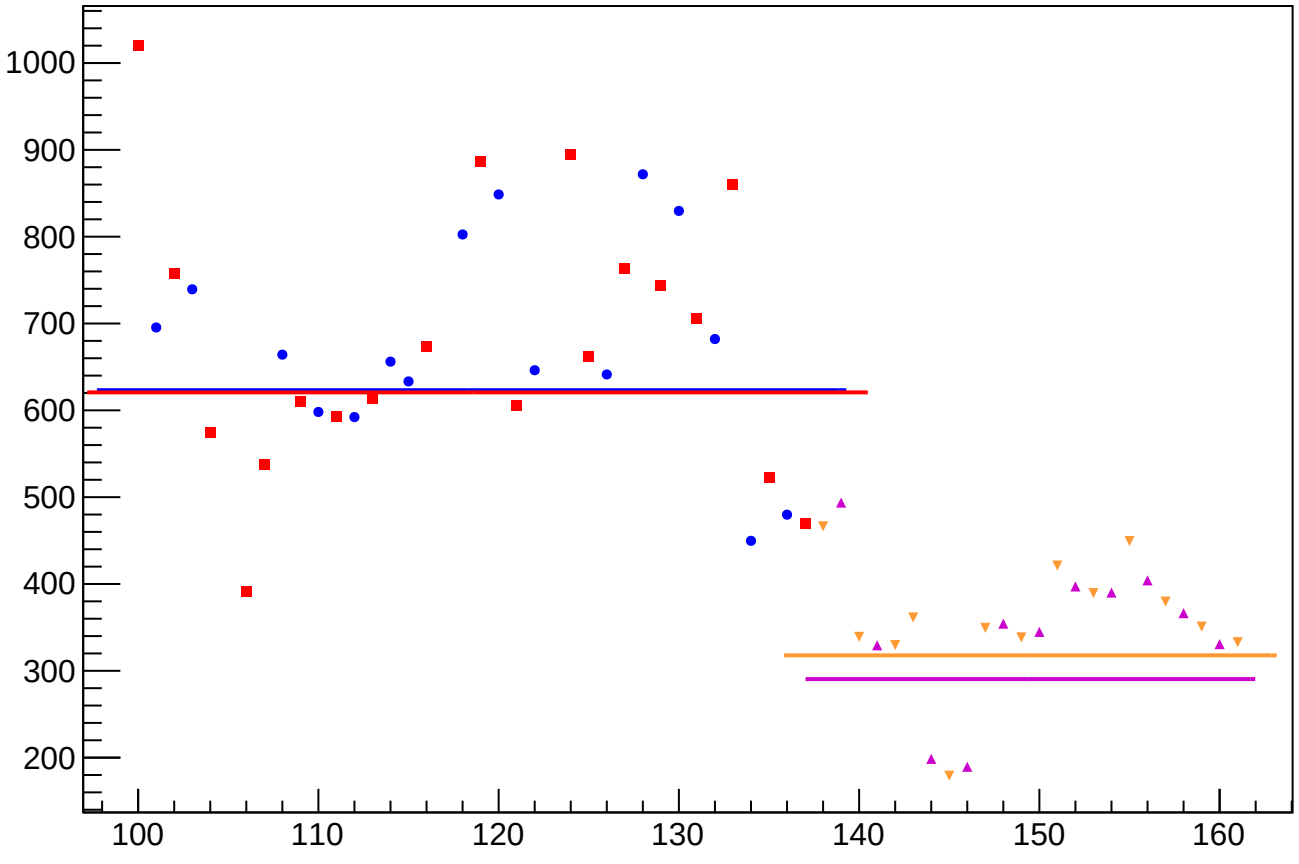
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -76.907+/-99.468 χ^2/NDF:7.1/10

+ sign -473.866+/-94.635 χ^2/NDF: 56.9/28

All: -309.124+/-65.798 χ^2/NDF: 86.1/58

- sign -154.960+/-91.546 χ^2/NDF: 23.3/29



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 317.808+/-0.073 χ^2/NDF:1519970.2/12

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

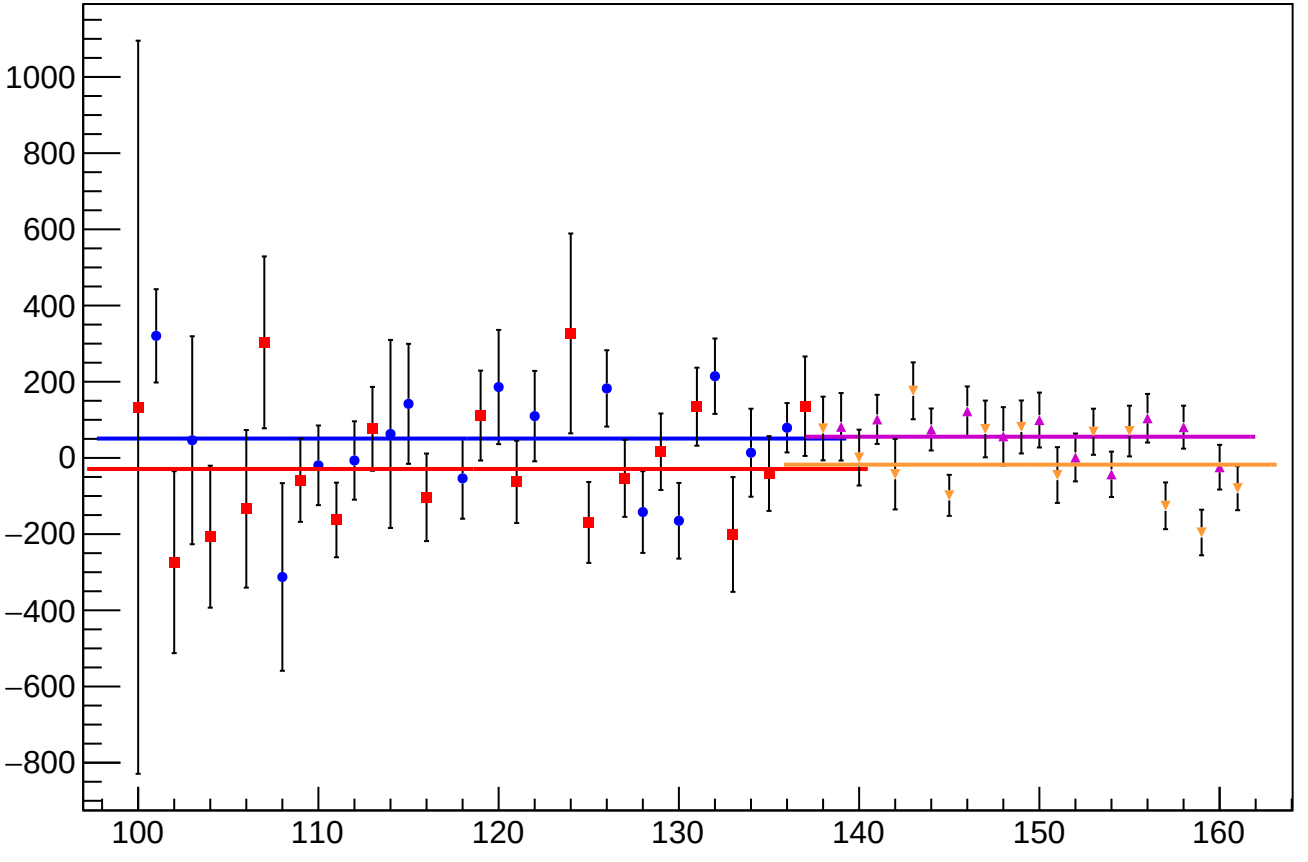
Left In: 290.493+/-0.070 χ^2/NDF:1720199.6/10

+ sign 365.894+/-0.067 χ^2/NDF: 4848459.5/28

All: 353.031+/-0.047 χ^2/NDF: 10621346.7/58

- sign 340.994+/-0.065 χ^2/NDF: 5701361.3/29

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -17.659+/-18.612 χ^2/NDF:31.0/12

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

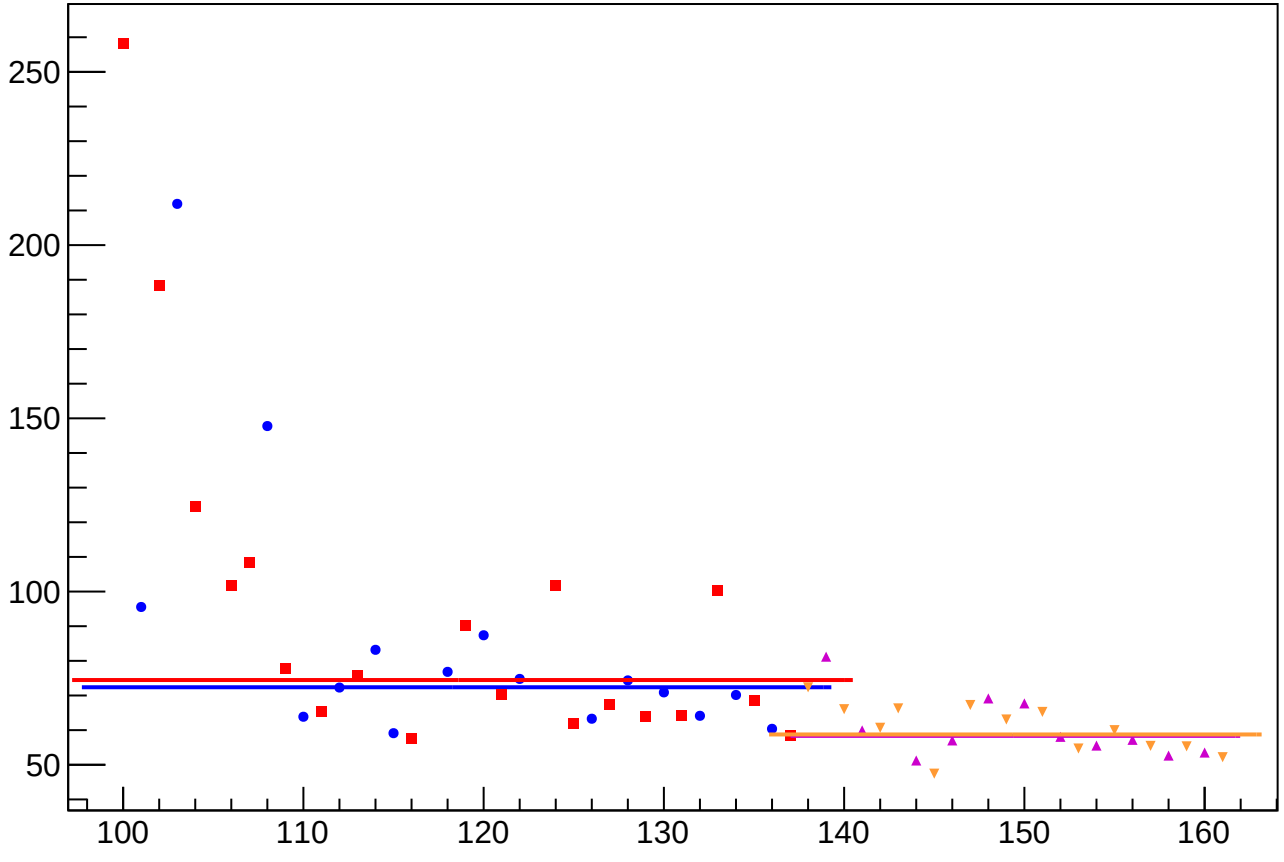
Left In: 55.627+/-19.309 χ^2/NDF:8.3/10

+ sign 3.007+/-15.553 χ^2/NDF: 58.0/28

All: 15.835+/-11.172 χ^2/NDF: 92.1/58

- sign 29.508+/-16.057 χ^2/NDF: 32.7/29

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 58.752+/-0.013 χ^2/NDF:279679.4/12

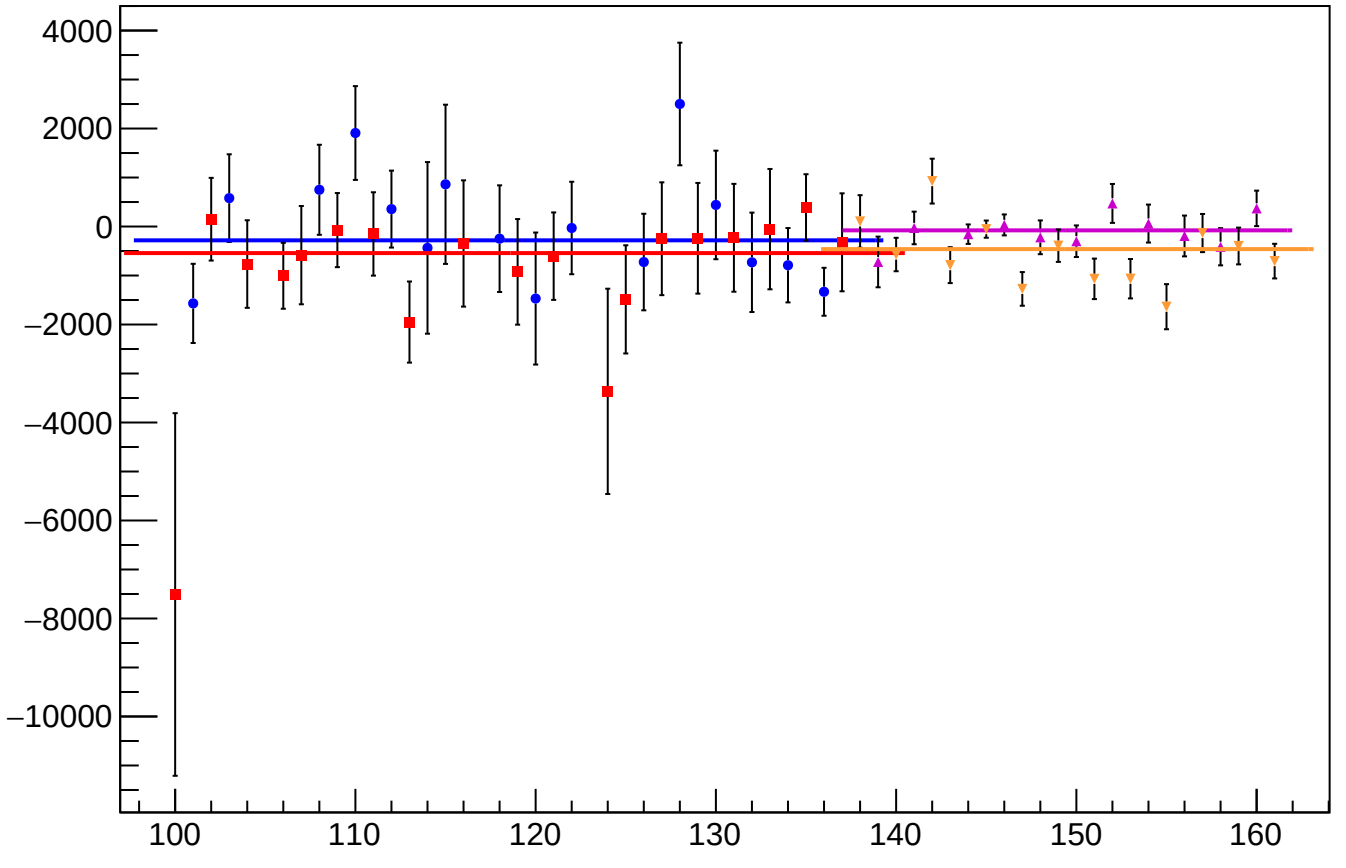
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 58.337+/-0.014 χ^2/NDF:281227.2/10

+ sign 62.863+/-0.011 χ^2/NDF: 1541257.2/28

All: 63.080+/-0.008 χ^2/NDF: 3305930.7/58

- sign 63.312+/-0.011 χ^2/NDF: 1763865.9/29



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -460.841+/-94.132 χ^2/NDF:34.4/12

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

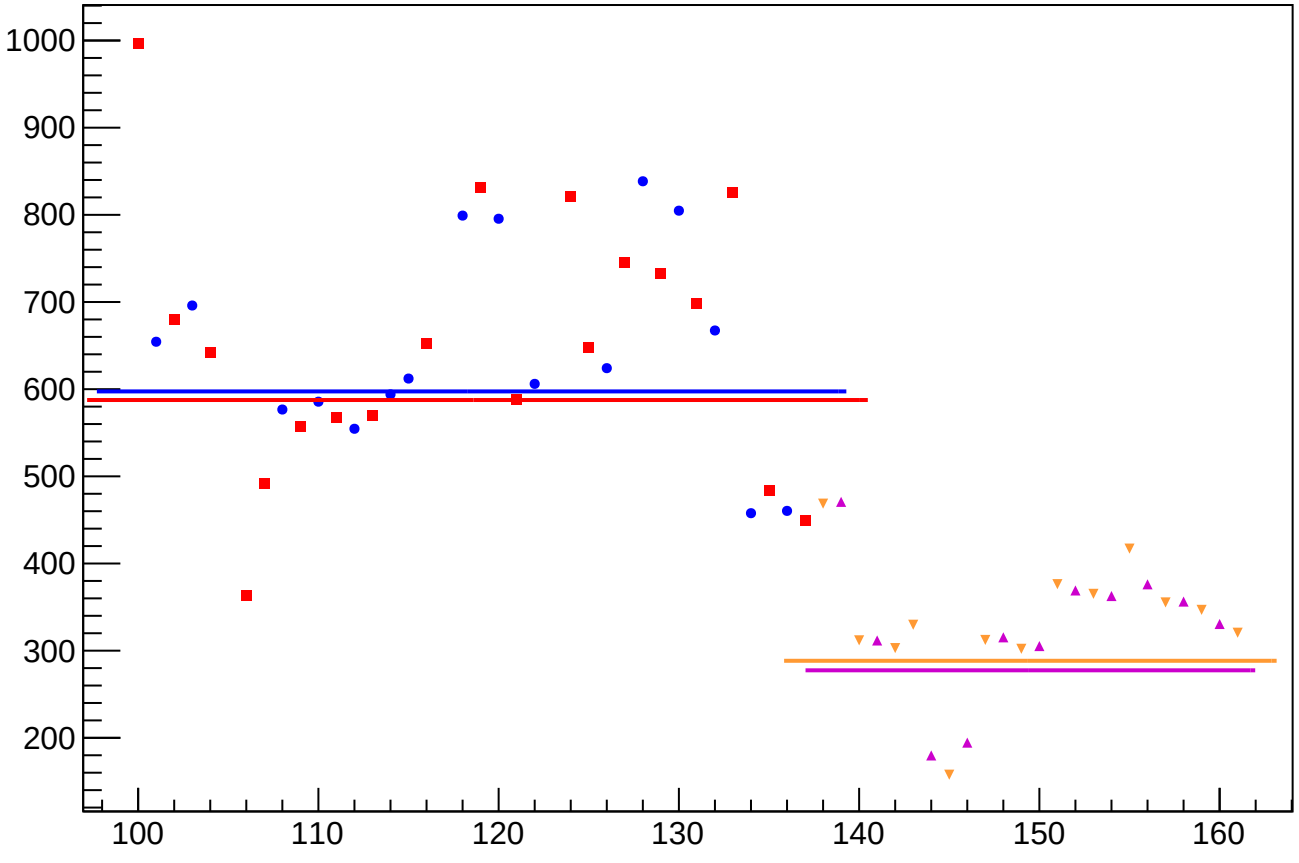
Left In: -78.144+/-94.782 χ^2/NDF:7.1/10

+ sign -434.761+/-86.996 χ^2/NDF: 57.7/28

All: -292.687+/-61.553 χ^2/NDF: 87.1/58

- sign -150.266+/-87.103 χ^2/NDF: 24.1/29

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 288.400+/-0.067 χ^2/NDF:1829849.3/12

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

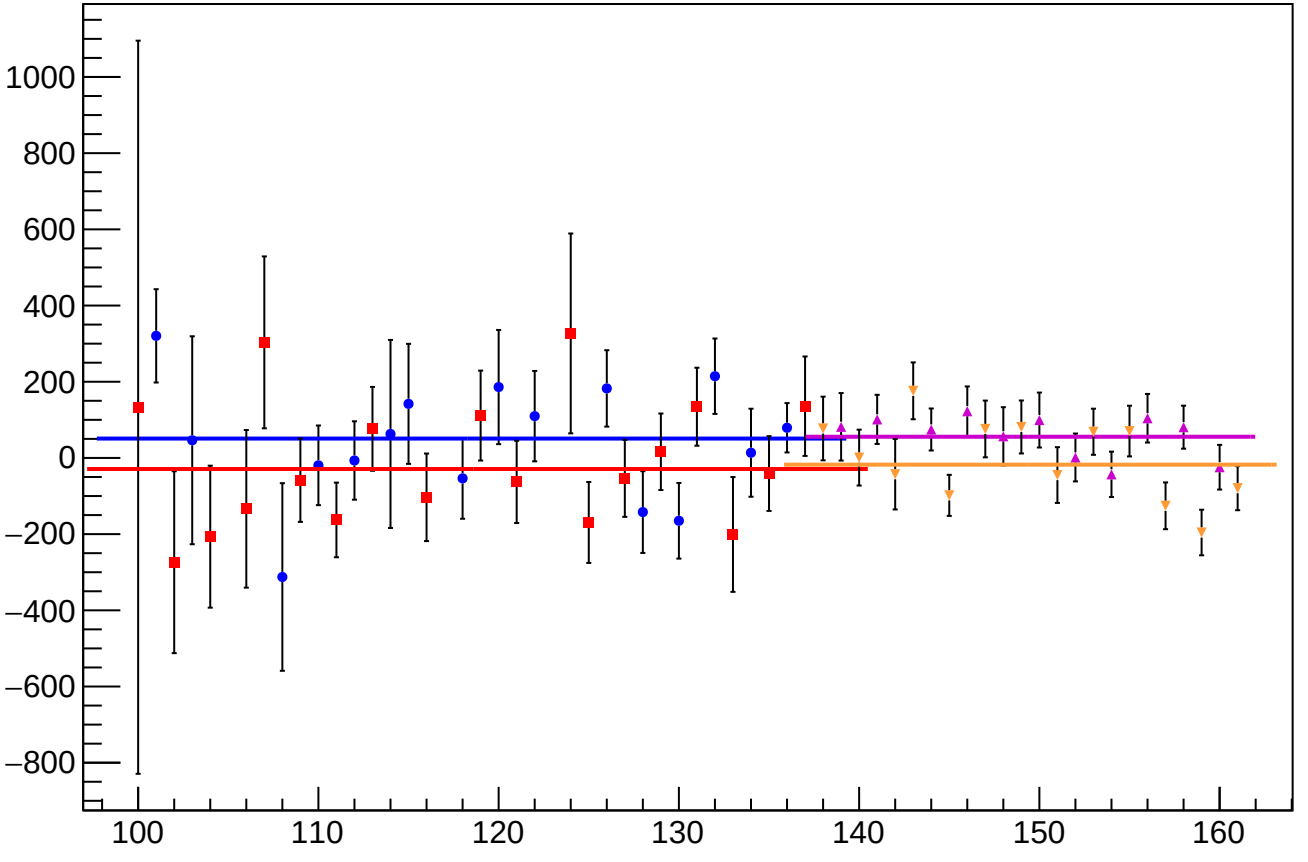
Left In: 277.459+/-0.067 χ^2/NDF:1568533.5/10

+ sign 333.476+/-0.062 χ^2/NDF: 5507896.5/28

All: 329.579+/-0.044 χ^2/NDF: 11102062.9/58

- sign 325.672+/-0.062 χ^2/NDF: 5586129.6/29

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -17.658+/-18.612 χ^2/NDF:31.1/12

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

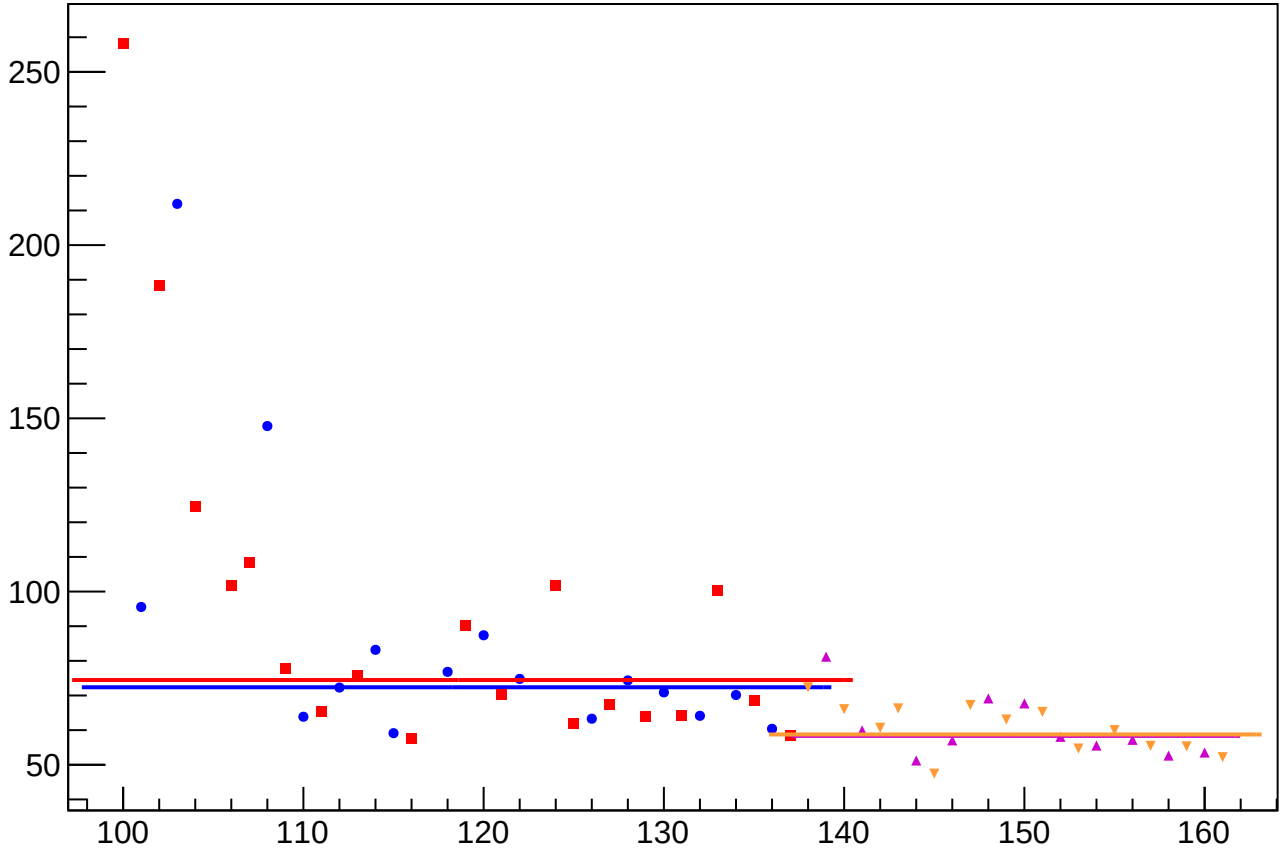
Left In: 55.627+/-19.309 χ^2/NDF:8.3/10

+ sign 3.007+/-15.553 χ^2/NDF: 58.0/28

All: 15.836+/-11.172 χ^2/NDF: 92.1/58

- sign 29.508+/-16.057 χ^2/NDF: 32.7/29

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 58.752+/-0.013 χ^2/NDF:279692.1/12

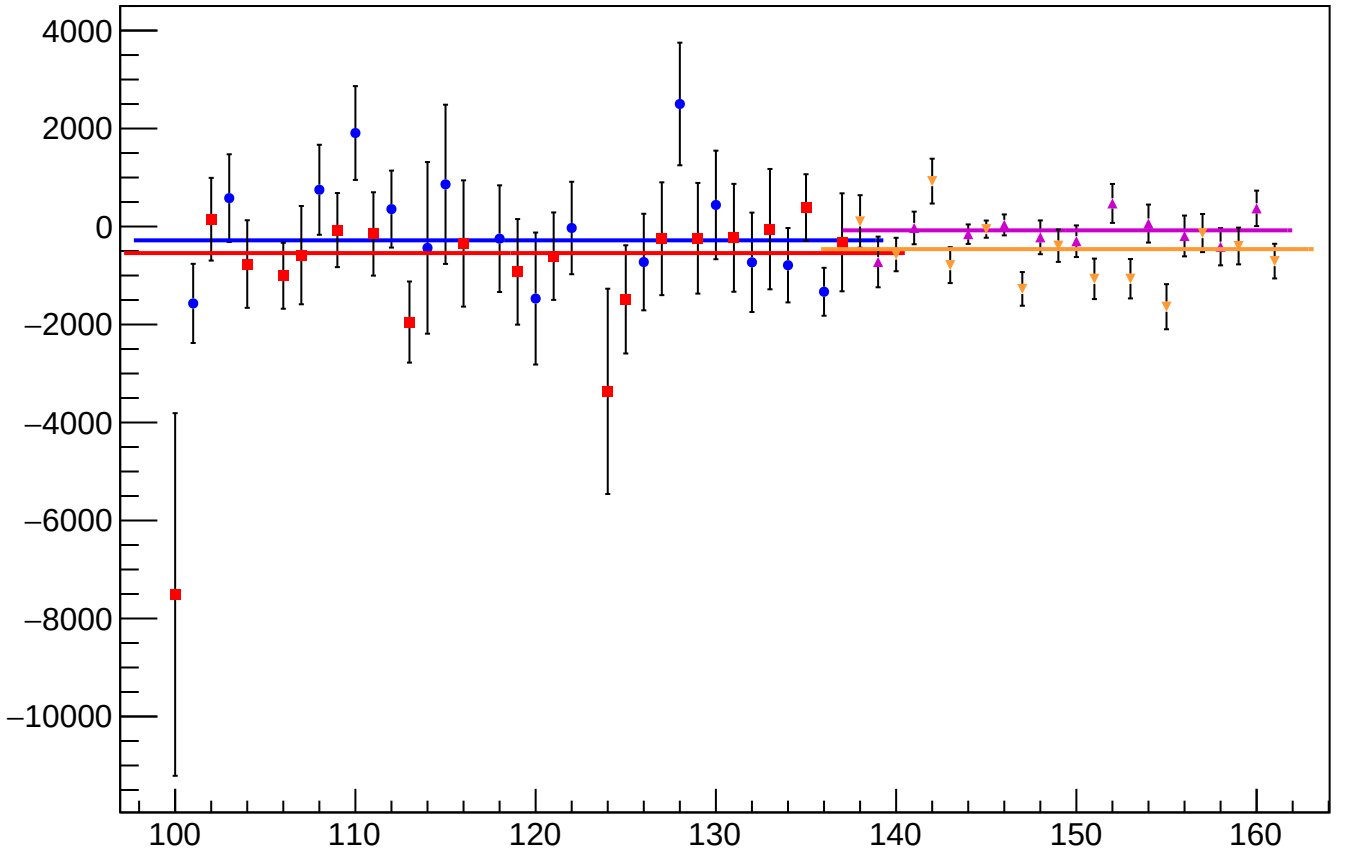
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 58.337+/-0.014 χ^2/NDF:281230.7/10

+ sign 62.863+/-0.011 χ^2/NDF: 1541258.2/28

All: 63.080+/-0.008 χ^2/NDF: 3305915.8/58

- sign 63.312+/-0.011 χ^2/NDF: 1763850.1/29



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -460.841+/-94.132 χ^2/NDF:34.4/12

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

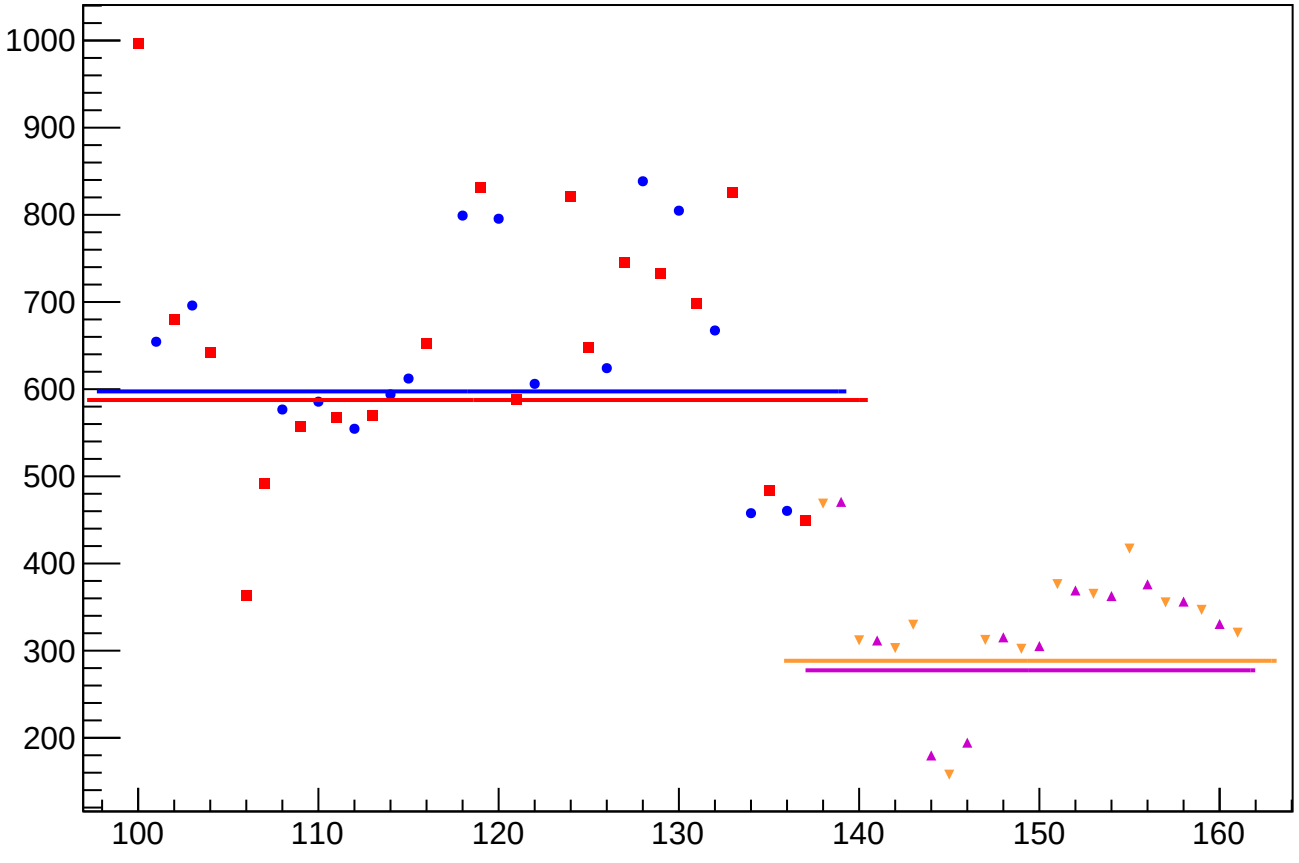
Left In: -78.144+/-94.782 χ^2/NDF:7.1/10

+ sign -434.761+/-86.996 χ^2/NDF: 57.7/28

All: -292.687+/-61.553 χ^2/NDF: 87.1/58

- sign -150.265+/-87.103 χ^2/NDF: 24.1/29

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 288.399+/-0.067 χ^2/NDF:1829838.3/12

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

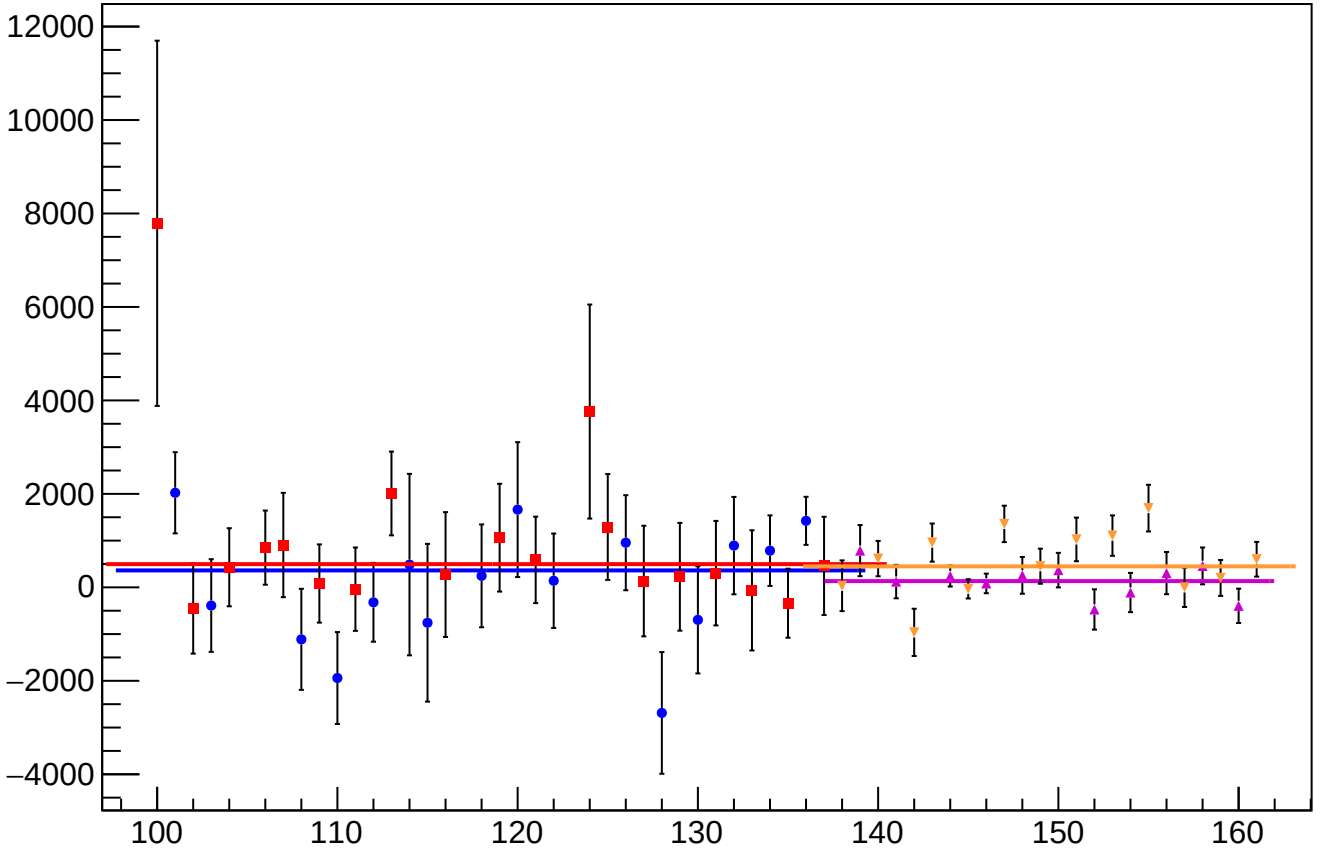
Left In: 277.459+/-0.067 χ^2/NDF:1568526.5/10

+ sign 333.476+/-0.062 χ^2/NDF: 5507892.8/28

All: 329.578+/-0.044 χ^2/NDF: 11102054.5/58

- sign 325.672+/-0.062 χ^2/NDF: 5586124.8/29

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 448.931+/-104.718 χ^2/NDF:32.8/12

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

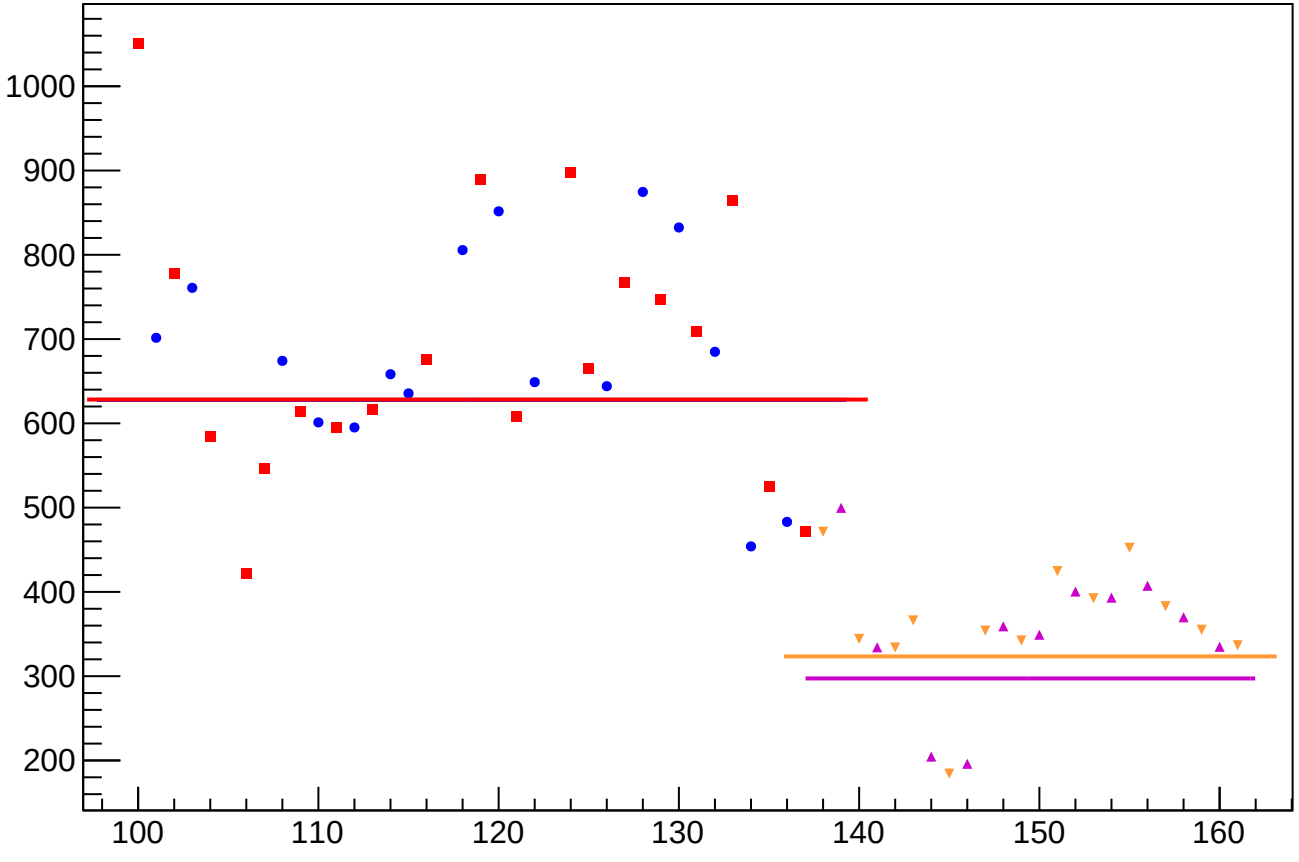
Left In: 133.577+/-101.463 χ^2/NDF:7.4/10

+ sign 435.119+/-95.999 χ^2/NDF: 58.0/28

All: 309.059+/-66.876 χ^2/NDF: 83.5/58

- sign 190.204+/-93.215 χ^2/NDF: 22.1/29

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 323.467+/-0.074 χ^2/NDF:1441882.5/12

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

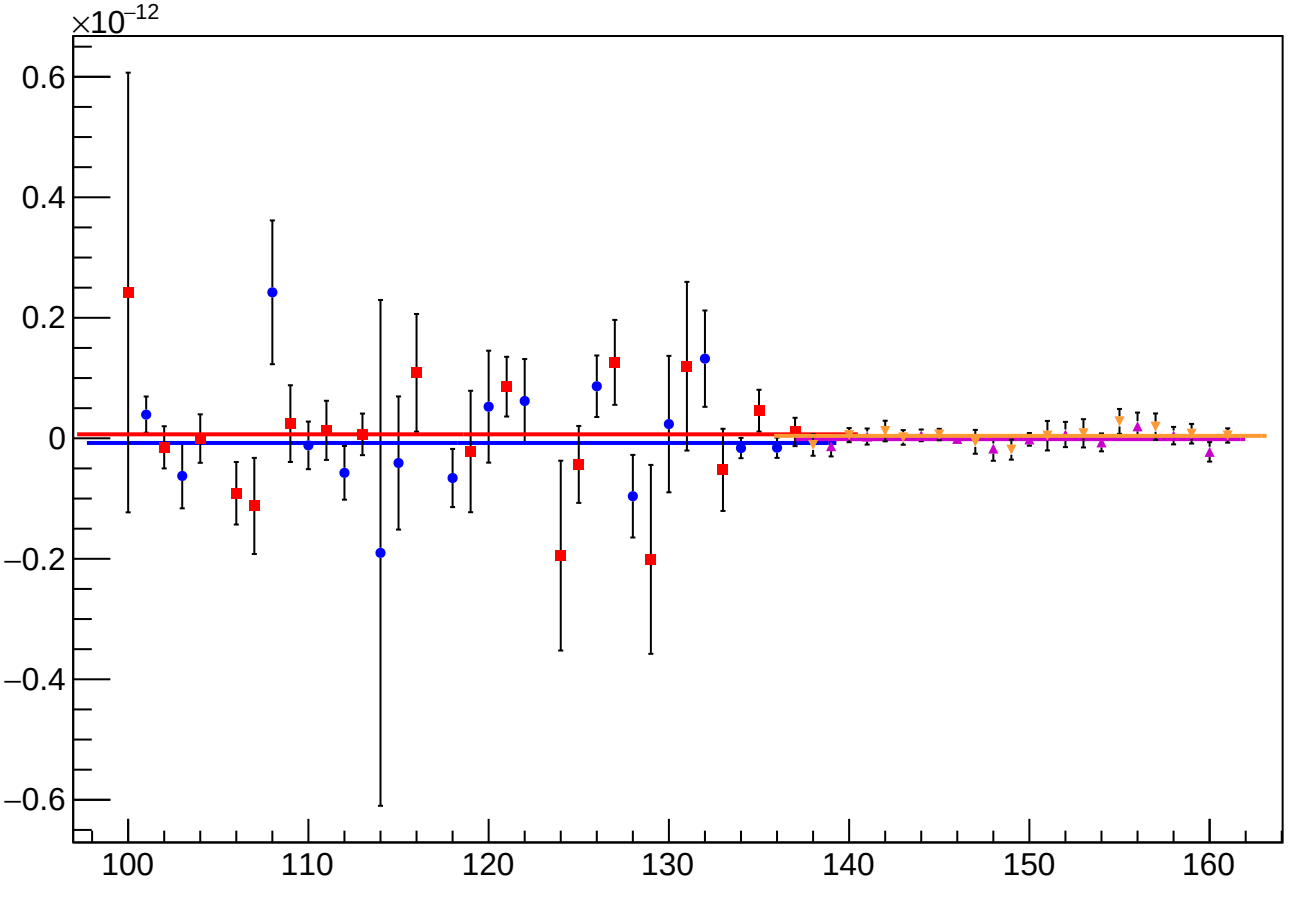
Left In: 297.327+/-0.072 χ^2/NDF:1614157.0/10

+ sign 372.052+/-0.068 χ^2/NDF: 4706252.8/28

All: 360.157+/-0.047 χ^2/NDF: 10269306.6/58

- sign 348.942+/-0.066 χ^2/NDF: 5503396.7/29

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:5.1/12

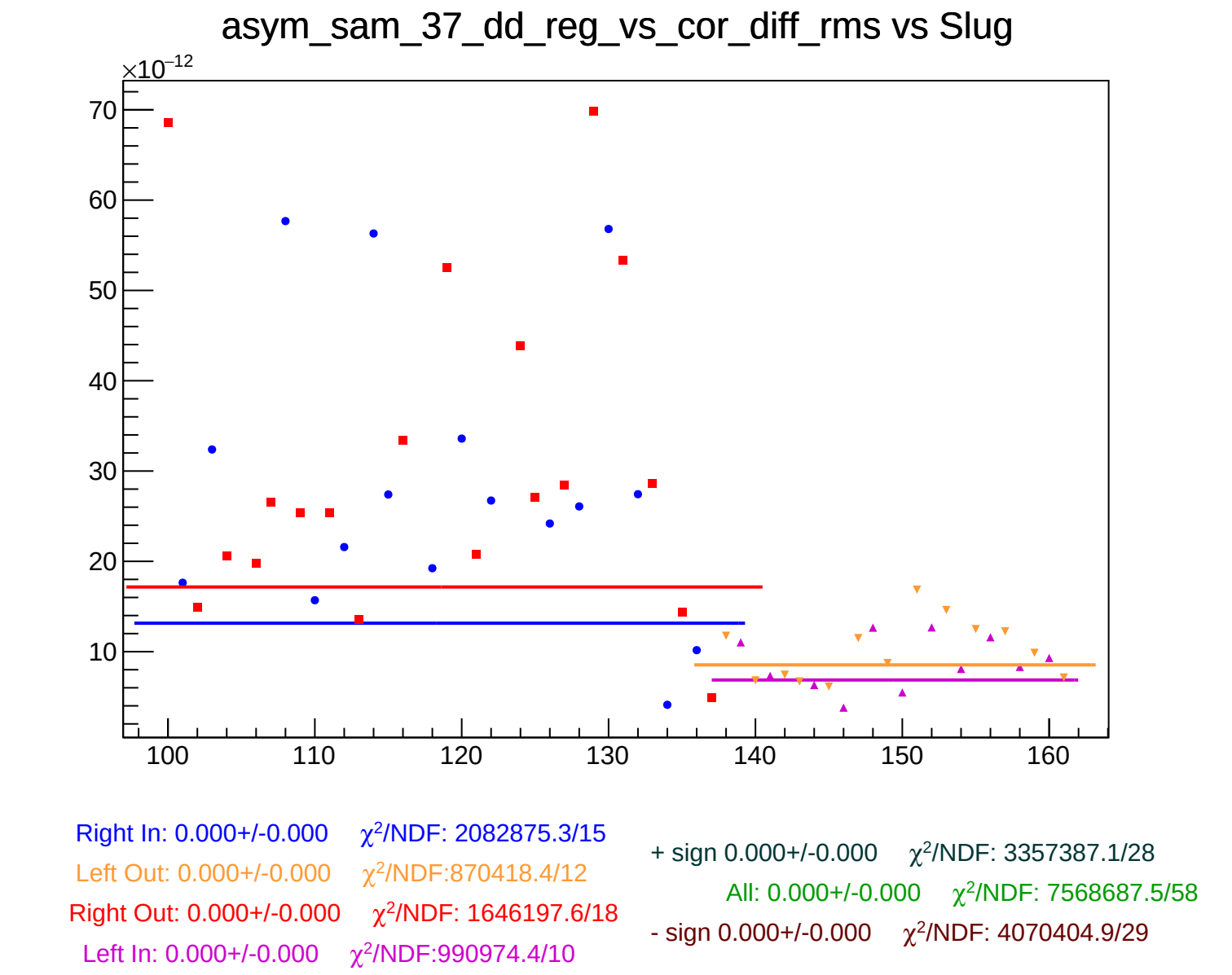
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.6/10

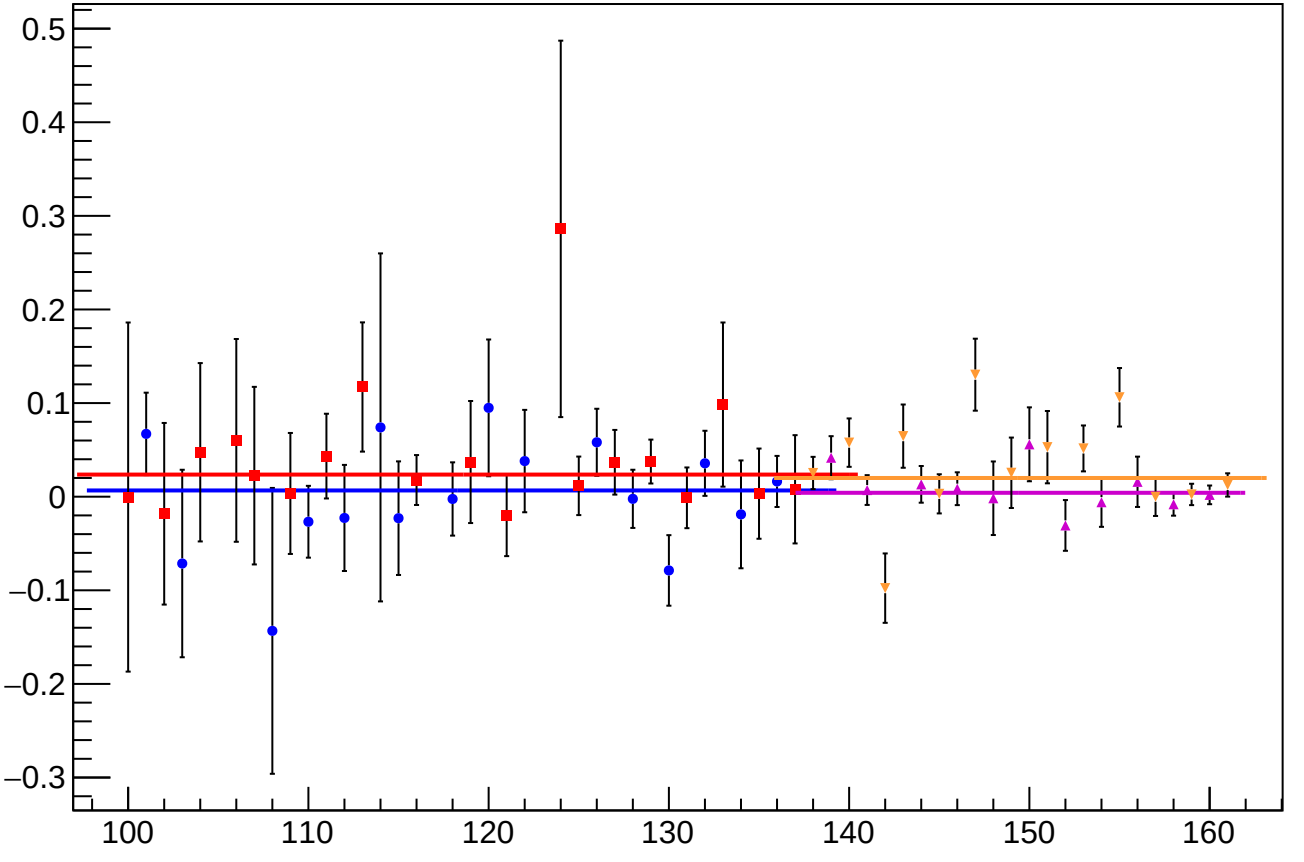
+ sign 0.000+/-0.000 χ^2/NDF: 27.4/28

All: 0.000+/-0.000 χ^2/NDF: 52.6/58

- sign -0.000+/-0.000 χ^2/NDF: 25.0/29


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:870418.4/12
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:990974.4/10
+ sign 0.000+/-0.000 χ²/NDF: 3357387.1/28
All: 0.000+/-0.000 χ²/NDF: 7568687.5/58
- sign 0.000+/-0.000 χ²/NDF: 4070404.9/29

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: 0.020+/-0.006 χ^2/NDF:36.7/12

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

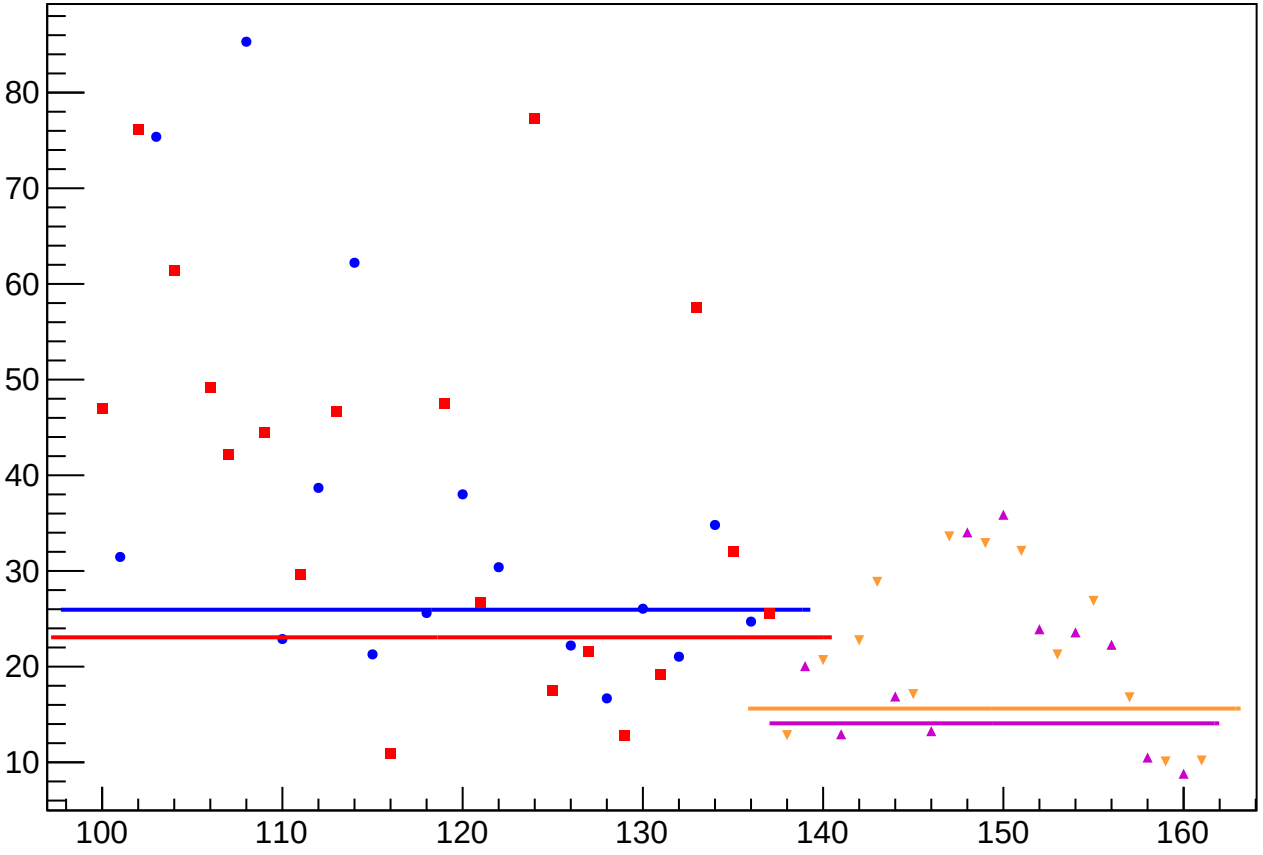
Left In: 0.004+/-0.005 χ^2/NDF:7.7/10

+ sign 0.017+/-0.005 χ^2/NDF: 52.8/28

All: 0.012+/-0.004 χ^2/NDF: 72.4/58

- sign 0.008+/-0.005 χ^2/NDF: 18.0/29

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: 15.618+/-0.004 χ^2/NDF:2969107.9/12

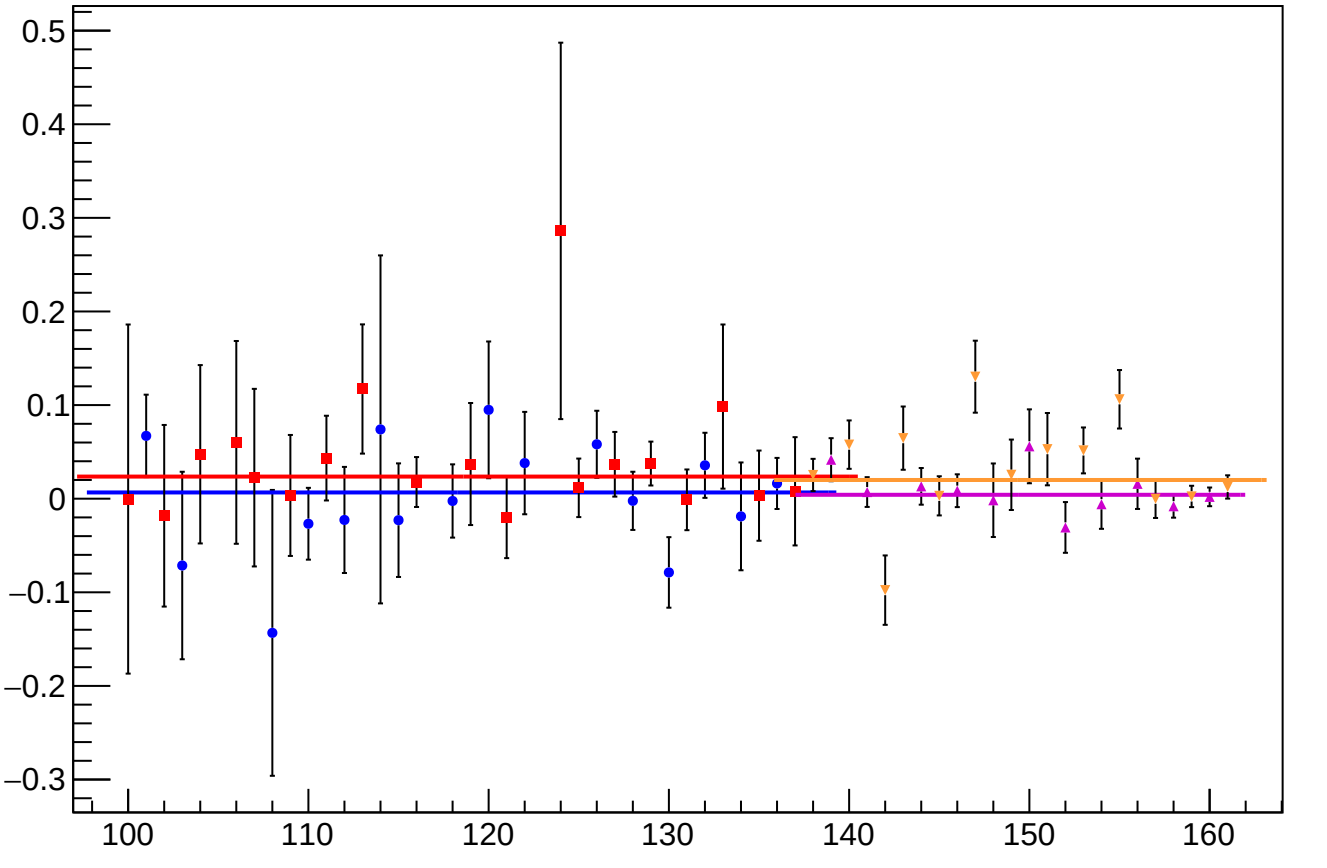
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 14.074+/-0.004 χ^2/NDF:2756762.7/10

+ sign 17.818+/-0.004 χ^2/NDF: 5714425.5/28

All: 16.838+/-0.002 χ^2/NDF: 13126981.8/58

- sign 15.970+/-0.003 χ^2/NDF: 7274535.3/29



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.020+/-0.006 χ^2/NDF:36.7/12

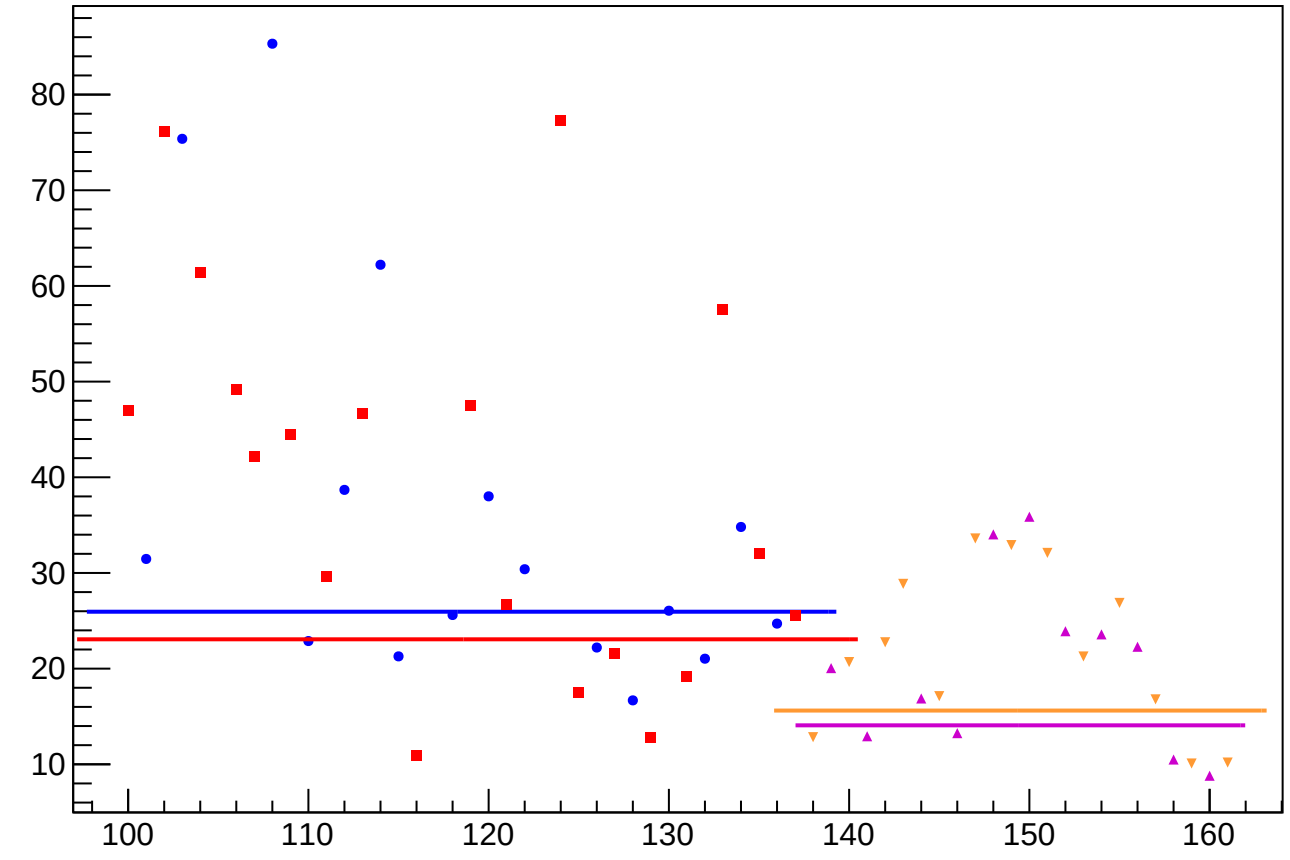
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.005 χ^2/NDF:7.7/10

+ sign 0.017+/-0.005 χ^2/NDF: 52.8/28

All: 0.012+/-0.004 χ^2/NDF: 72.4/58

- sign 0.008+/-0.005 χ^2/NDF: 18.0/29



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 15.618+/-0.004 χ^2/NDF:2969107.9/12

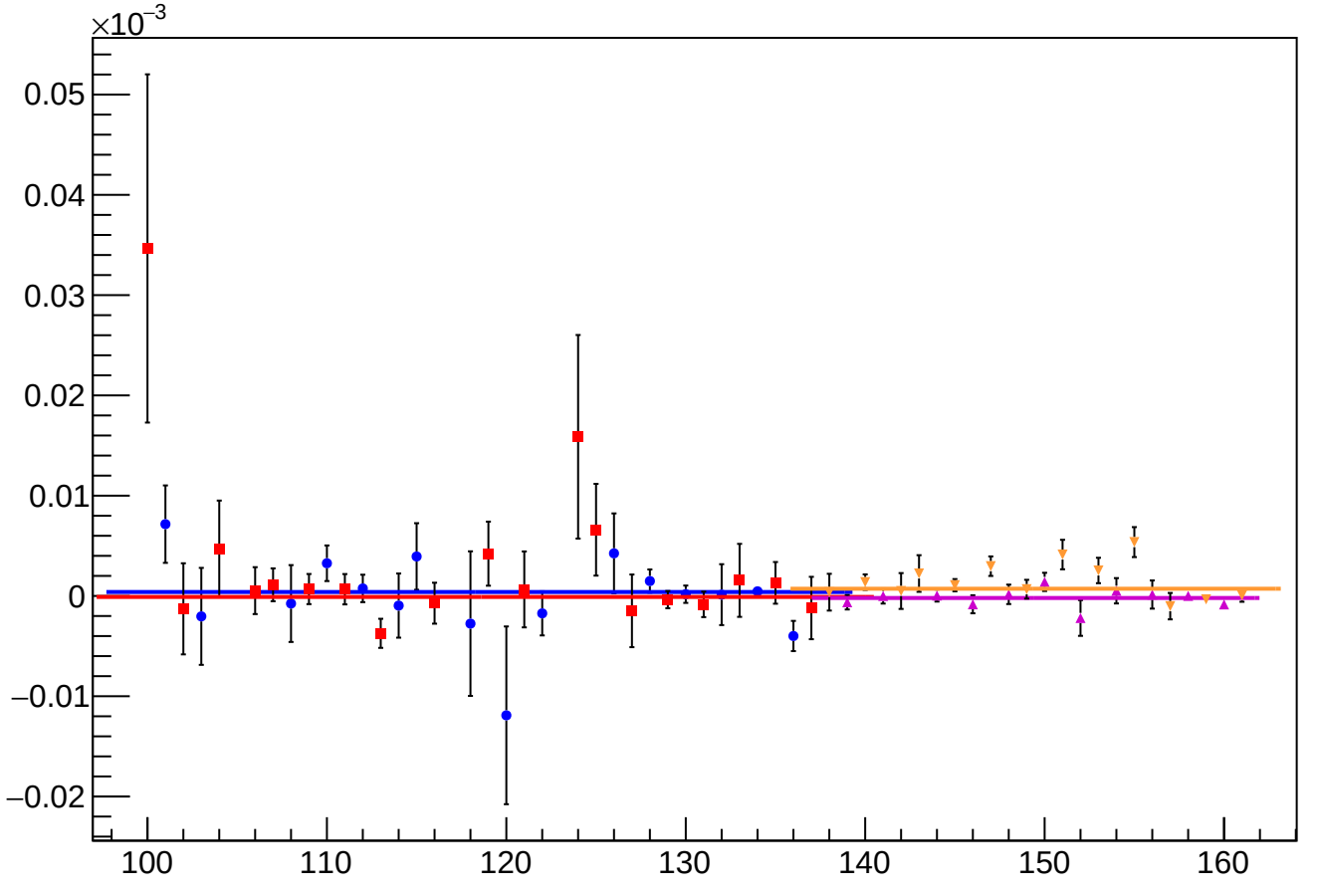
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 14.074+/-0.004 χ^2/NDF:2756762.7/10

+ sign 17.818+/-0.004 χ^2/NDF: 5714425.5/28

All: 16.838+/-0.002 χ^2/NDF: 13126981.8/58

- sign 15.970+/-0.003 χ^2/NDF: 7274535.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.3/12

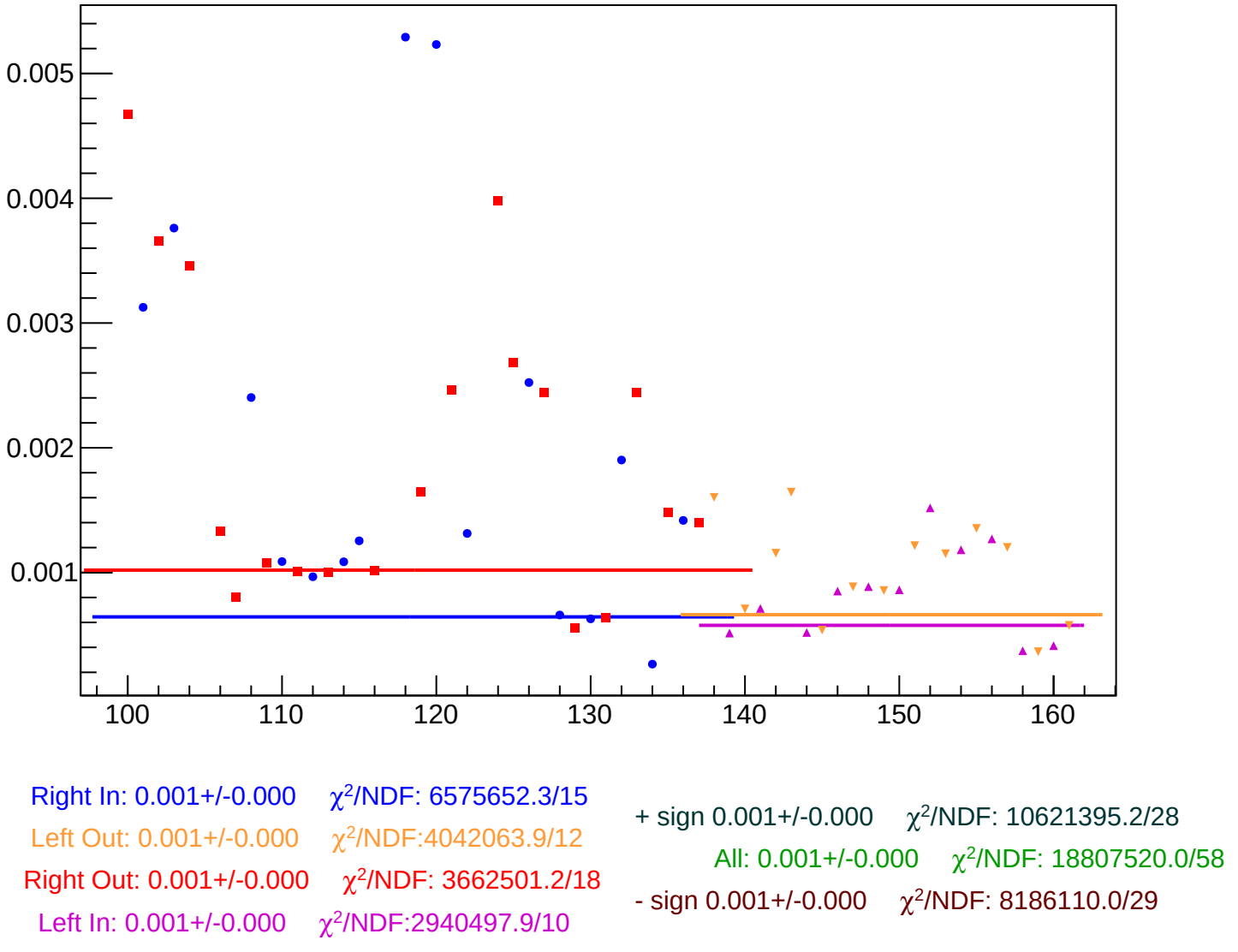
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

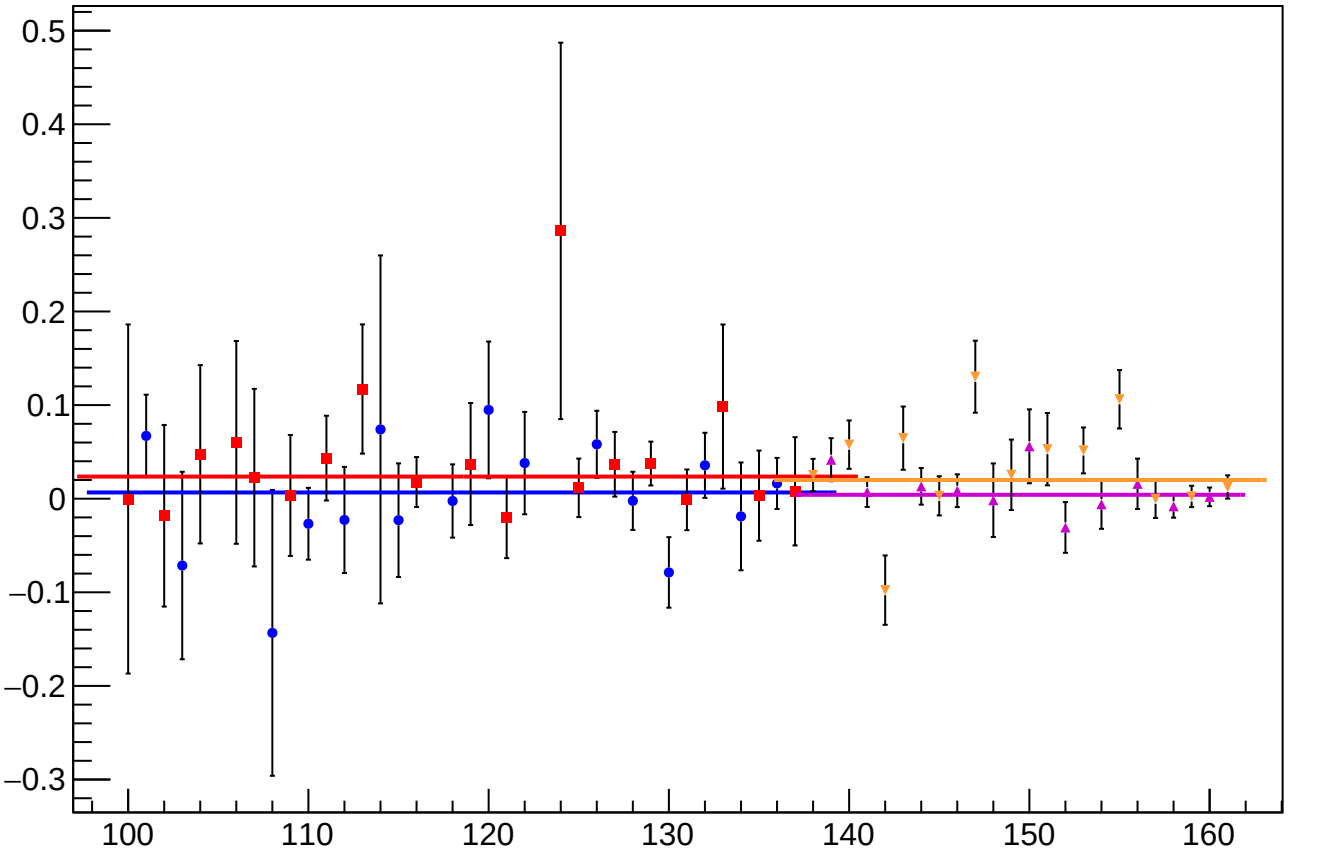
Left In: -0.000+/-0.000 χ^2/NDF:8.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 55.7/28

All: 0.000+/-0.000 χ^2/NDF: 93.0/58

- sign -0.000+/-0.000 χ^2/NDF: 28.6/29


asym_sam_37_dd_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
Right In: 0.001+/-0.000 χ²/NDF: 6575652.3/15
Left Out: 0.001+/-0.000 χ²/NDF:4042063.9/12
Right Out: 0.001+/-0.000 χ²/NDF: 3662501.2/18
Left In: 0.001+/-0.000 χ²/NDF:2940497.9/10
+ sign 0.001+/-0.000 χ²/NDF: 10621395.2/28
All: 0.001+/-0.000 χ²/NDF: 18807520.0/58
- sign 0.001+/-0.000 χ²/NDF: 8186110.0/29



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.020+/-0.006 χ^2/NDF:36.7/12

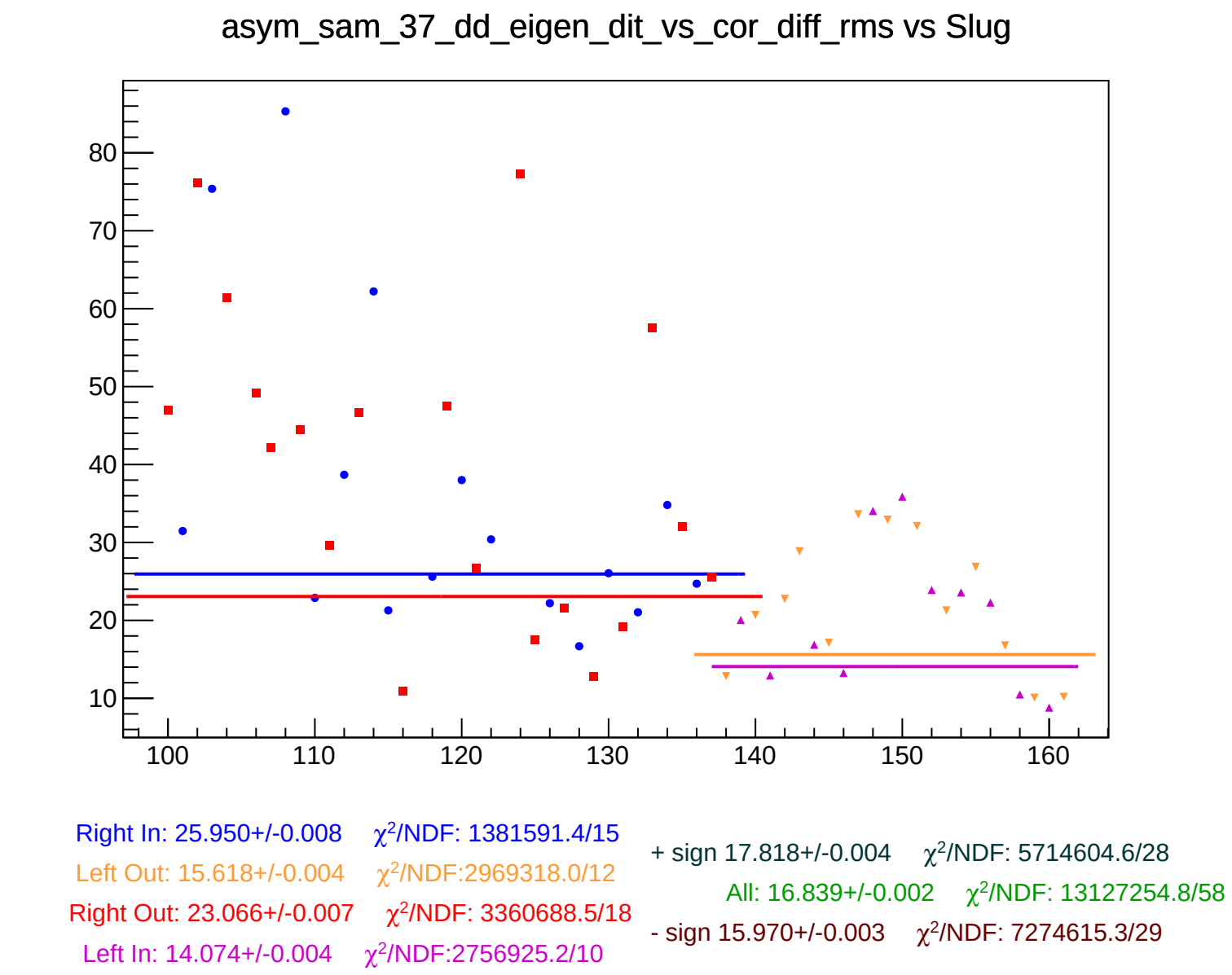
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.005 χ^2/NDF:7.7/10

+ sign 0.017+/-0.005 χ^2/NDF: 52.8/28

All: 0.012+/-0.004 χ^2/NDF: 72.4/58

- sign 0.008+/-0.005 χ^2/NDF: 18.0/29


asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug
80
70
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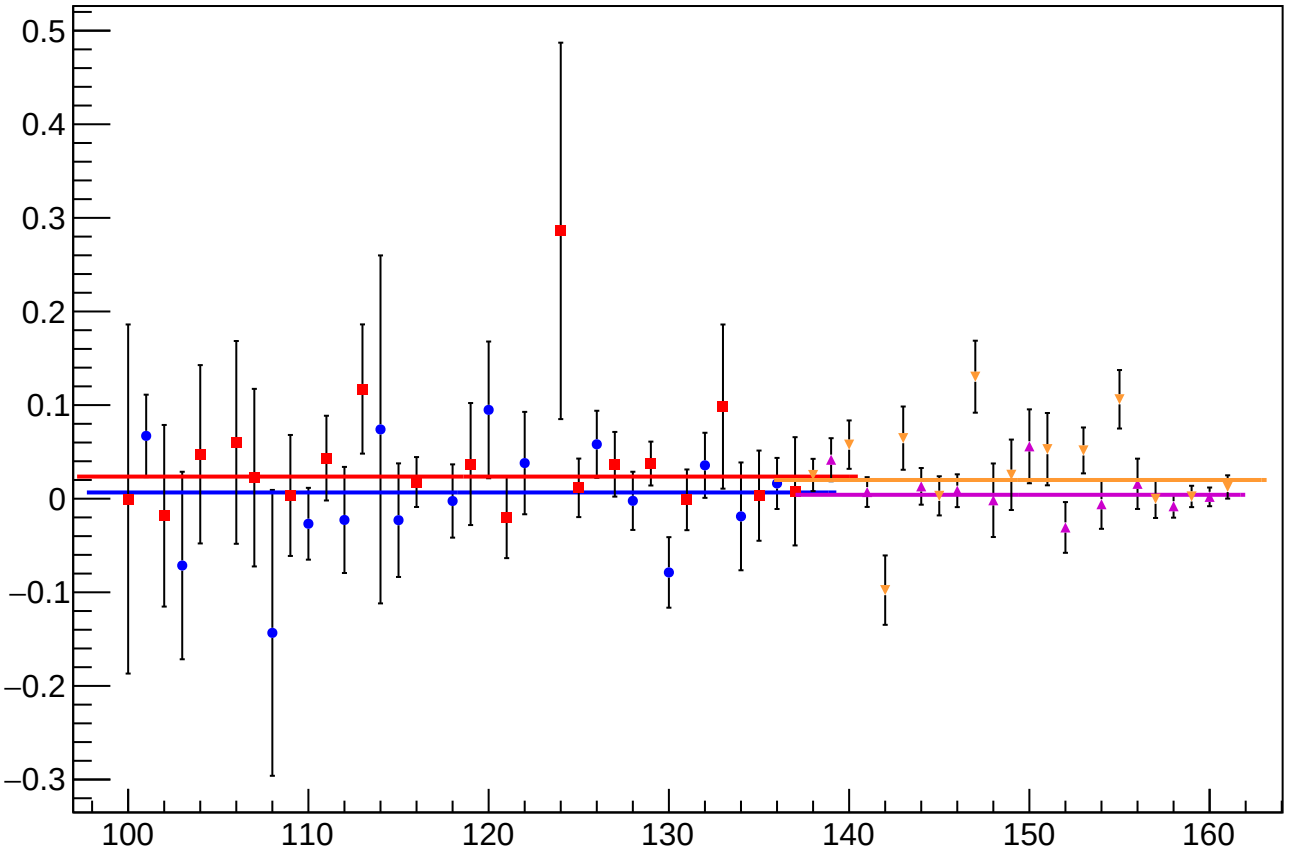
120
130
140
150
160
Right In: 25.950+/-0.008 χ²/NDF: 1381591.4/15
Left Out: 15.618+/-0.004 χ²/NDF:2969318.0/12
Right Out: 23.066+/-0.007 χ²/NDF: 3360688.5/18
Left In: 14.074+/-0.004 χ²/NDF:2756925.2/10
+ sign 17.818+/-0.004 χ²/NDF: 5714604.6/28
All: 16.839+/-0.002 χ²/NDF: 13127254.8/58
- sign 15.970+/-0.003 χ²/NDF: 7274615.3/29



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.020+/-0.006 χ^2/NDF:36.7/12

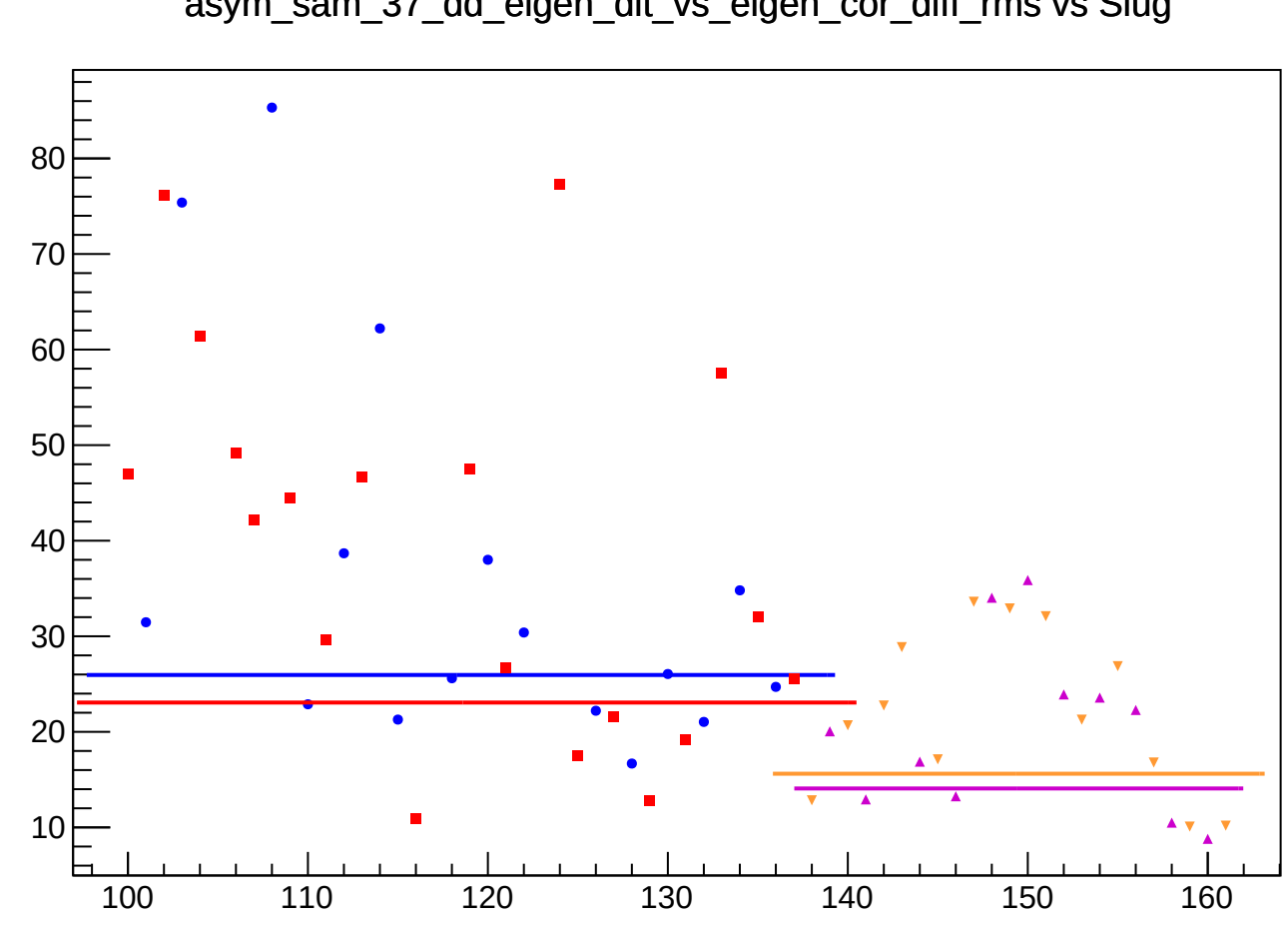
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.005 χ^2/NDF:7.7/10

+ sign 0.017+/-0.005 χ^2/NDF: 52.8/28

All: 0.012+/-0.004 χ^2/NDF: 72.4/58

- sign 0.008+/-0.005 χ^2/NDF: 18.0/29



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.618+/-0.004 χ^2/NDF:2969318.0/12

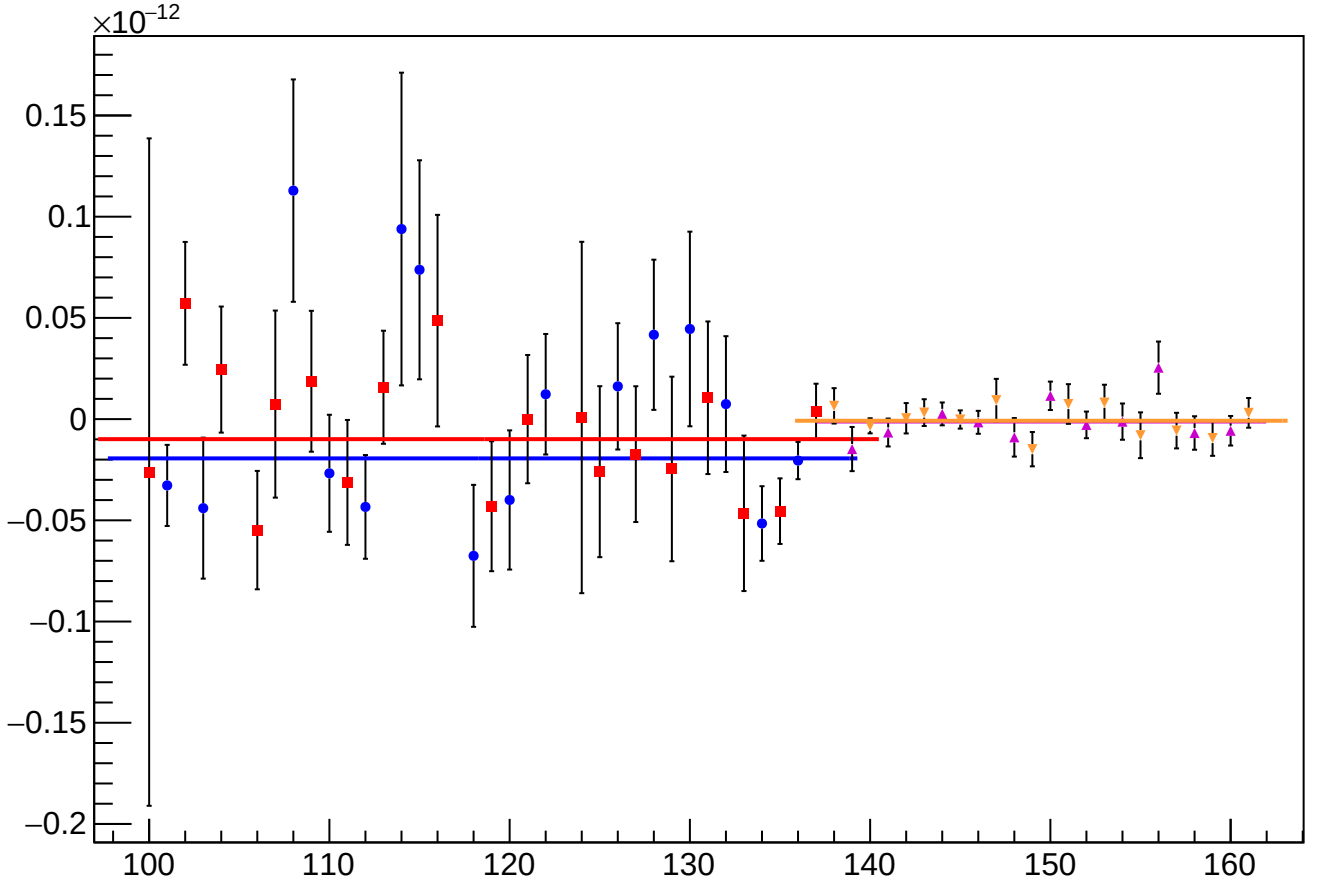
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.074+/-0.004 χ^2/NDF:2756925.2/10

+ sign 17.818+/-0.004 χ^2/NDF: 5714604.6/28

All: 16.839+/-0.002 χ^2/NDF: 13127254.8/58

- sign 15.970+/-0.003 χ^2/NDF: 7274615.3/29



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/12

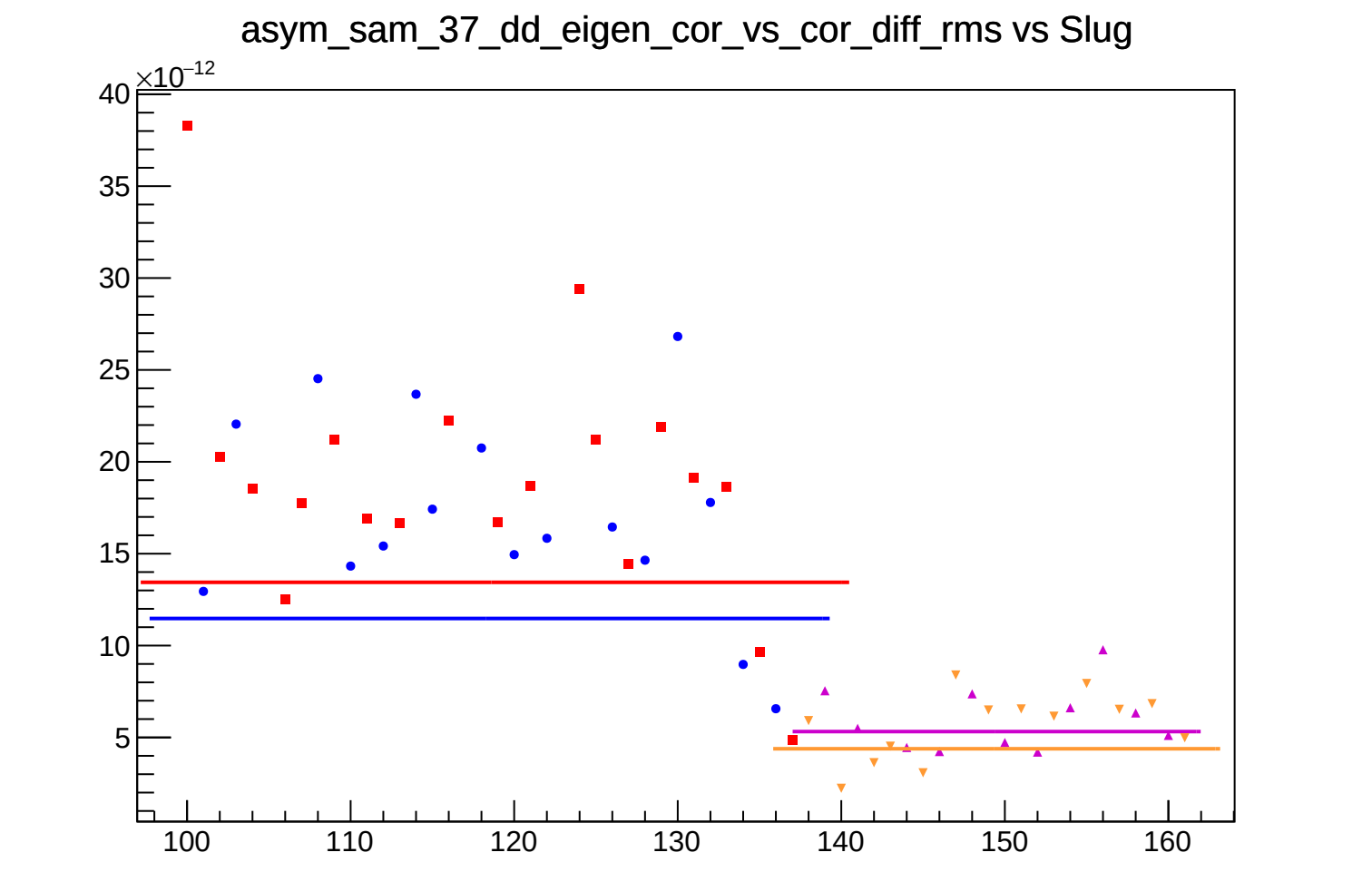
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 43.2/28

All: -0.000+/-0.000 χ^2/NDF: 76.8/58

- sign -0.000+/-0.000 χ^2/NDF: 33.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1993381.9/12

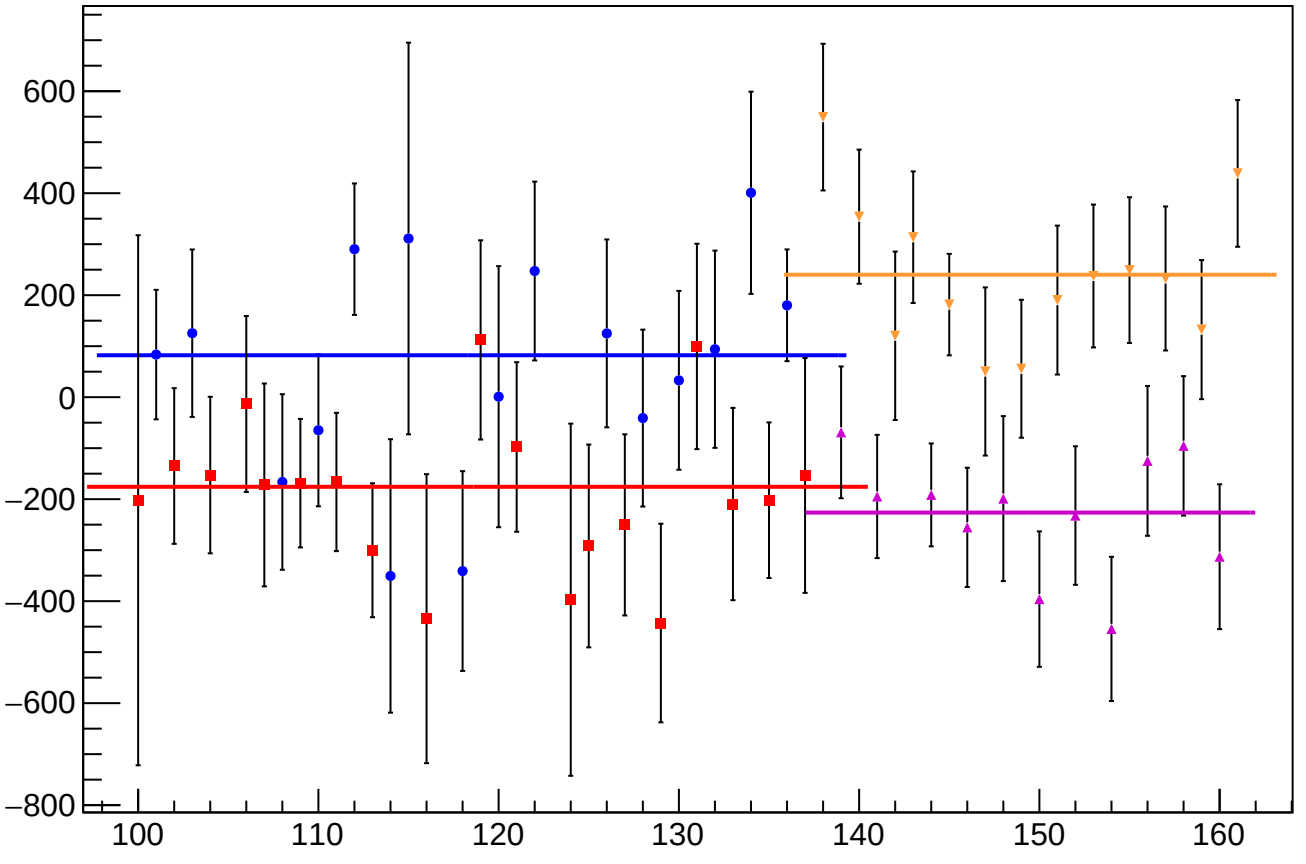
Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:681426.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 6102073.6/28

All: 0.000+/-0.000 χ^2/NDF: 11347087.2/58

- sign 0.000+/-0.000 χ^2/NDF: 4941875.3/29



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 240.134+/-37.946 χ^2/NDF:12.4/12

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

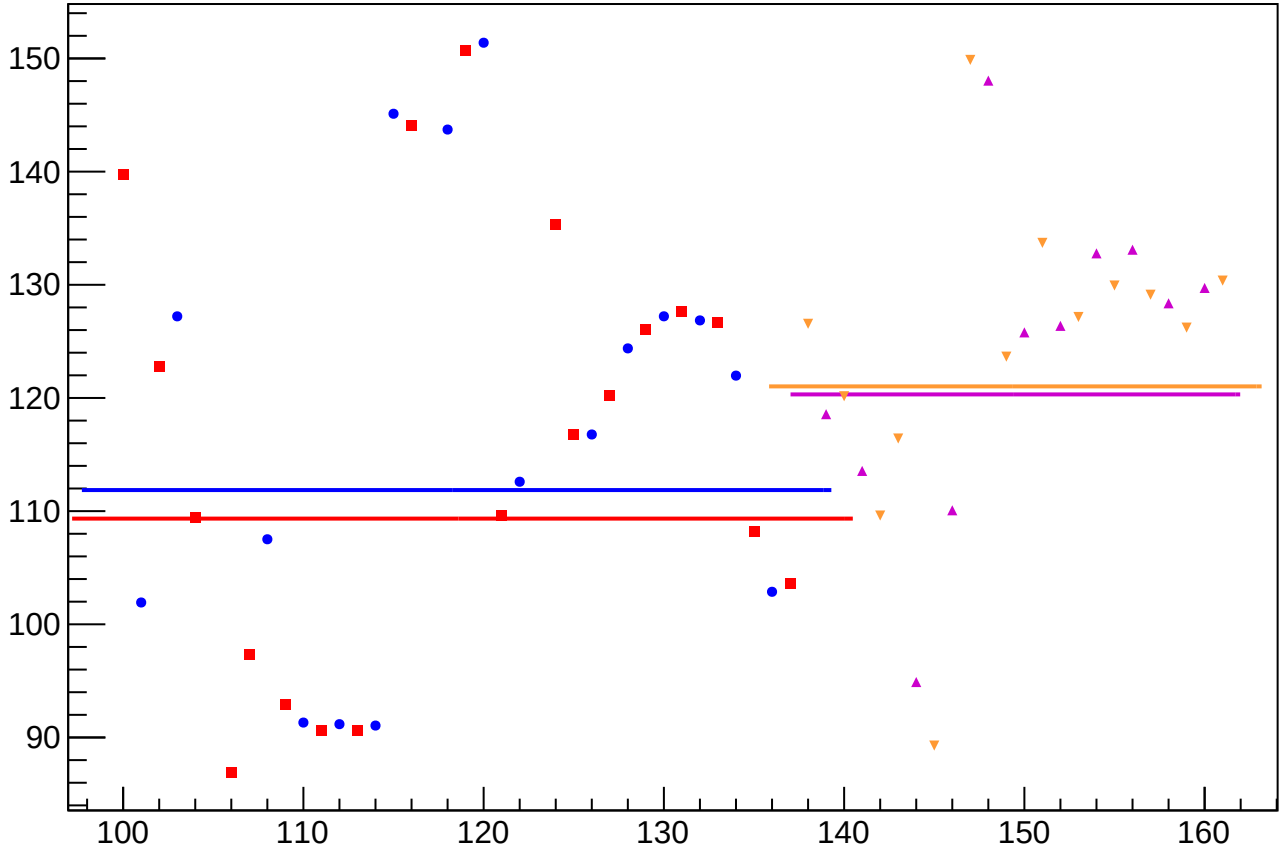
Left In: -226.286+/-39.277 χ^2/NDF:7.8/10

+ sign 169.401+/-28.196 χ^2/NDF: 38.5/28

All: -15.869+/-19.958 χ^2/NDF: 143.5/58

- sign -201.891+/-28.253 χ^2/NDF: 18.4/29

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.023+/-0.027 χ^2/NDF:325397.5/12

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

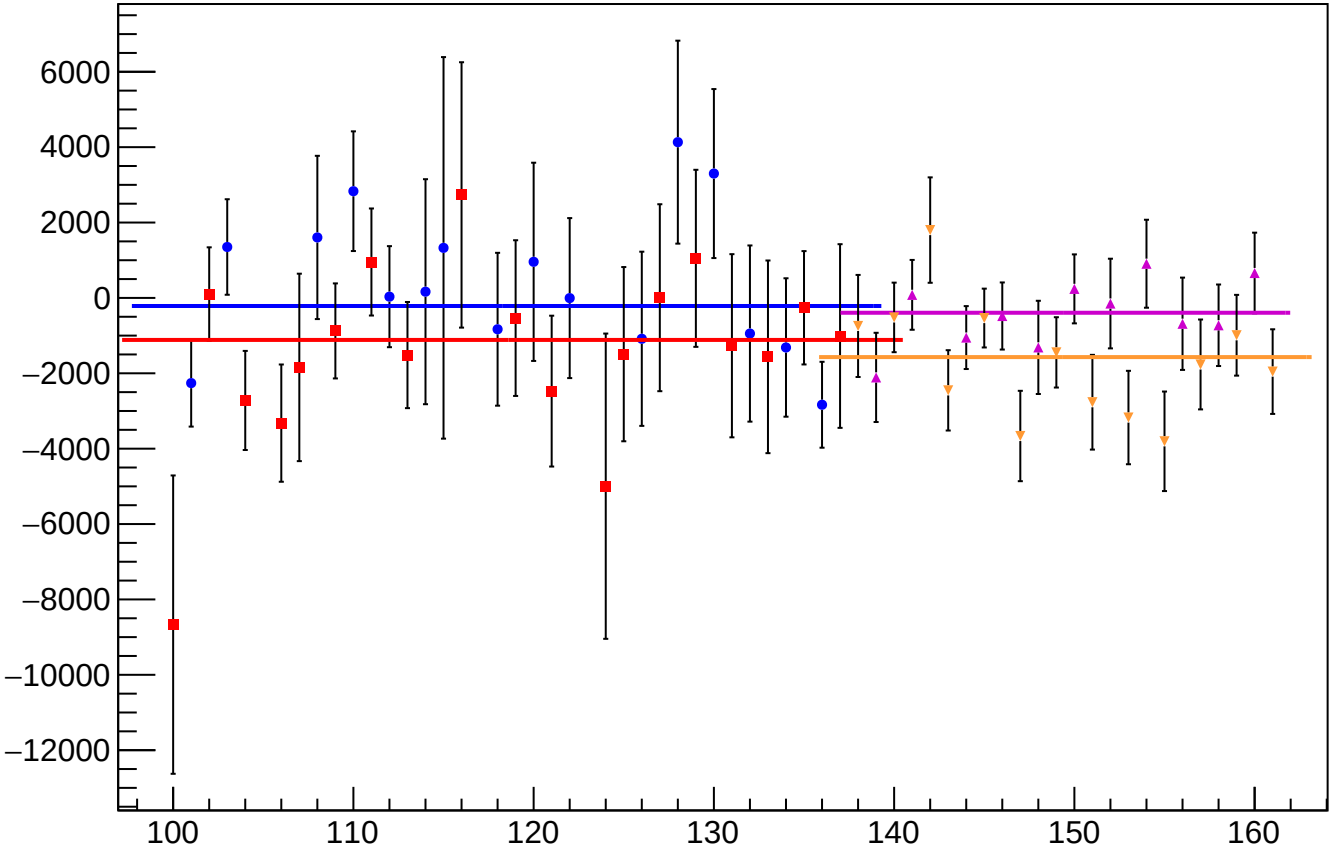
Left In: 120.314+/-0.028 χ^2/NDF:261322.6/10

+ sign 116.920+/-0.020 χ^2/NDF: 683625.4/28

All: 115.971+/-0.014 χ^2/NDF: 1392047.8/58

- sign 115.019+/-0.020 χ^2/NDF: 703885.2/29

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1570.177+/-303.974 χ^2/NDF:18.9/12

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

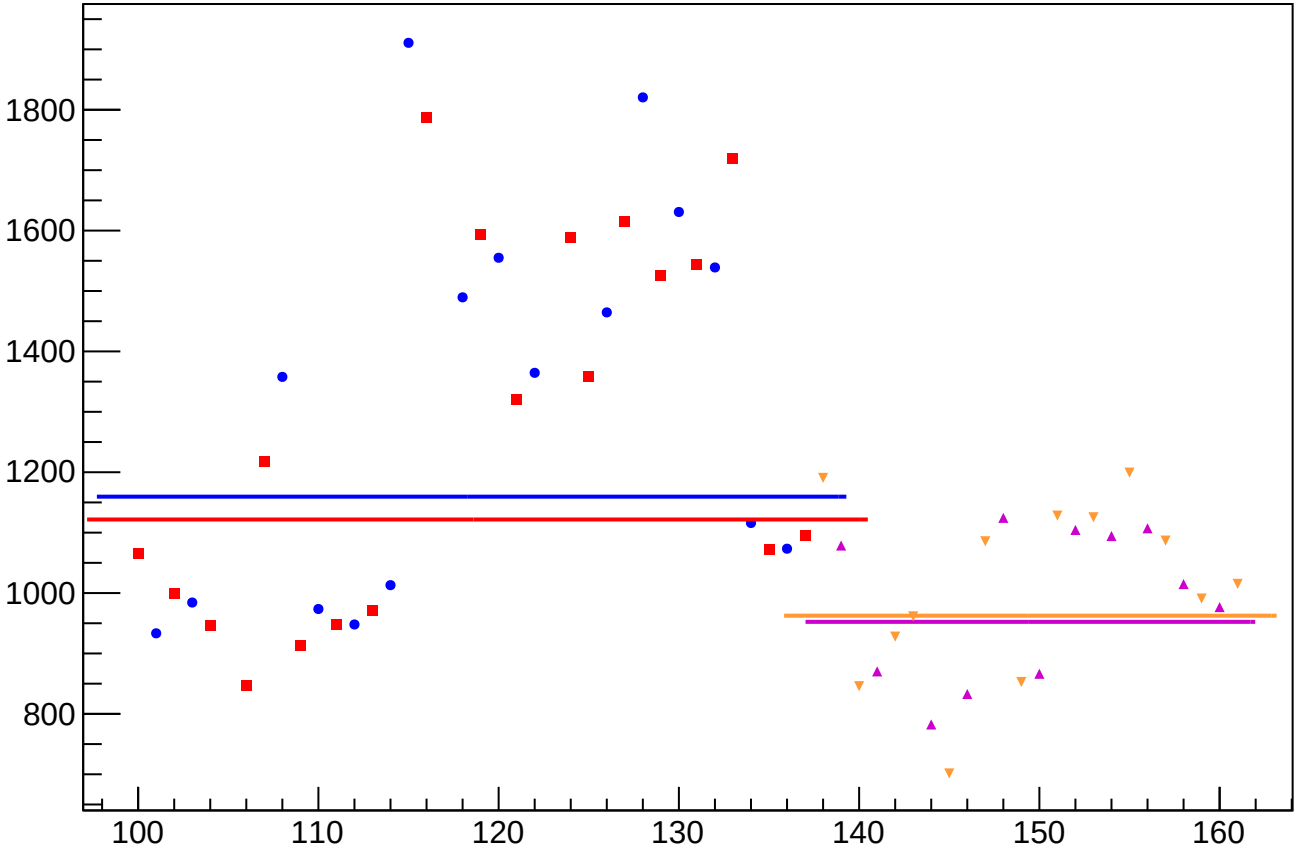
Left In: -393.627+/-312.200 χ^2/NDF:6.4/10

+ sign -1137.387+/-250.816 χ^2/NDF: 45.7/28

All: -893.005+/-177.490 χ^2/NDF: 70.4/58

- sign -647.875+/-251.200 χ^2/NDF: 22.8/29

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 962.520+/-0.215 χ^2/NDF:523896.6/12

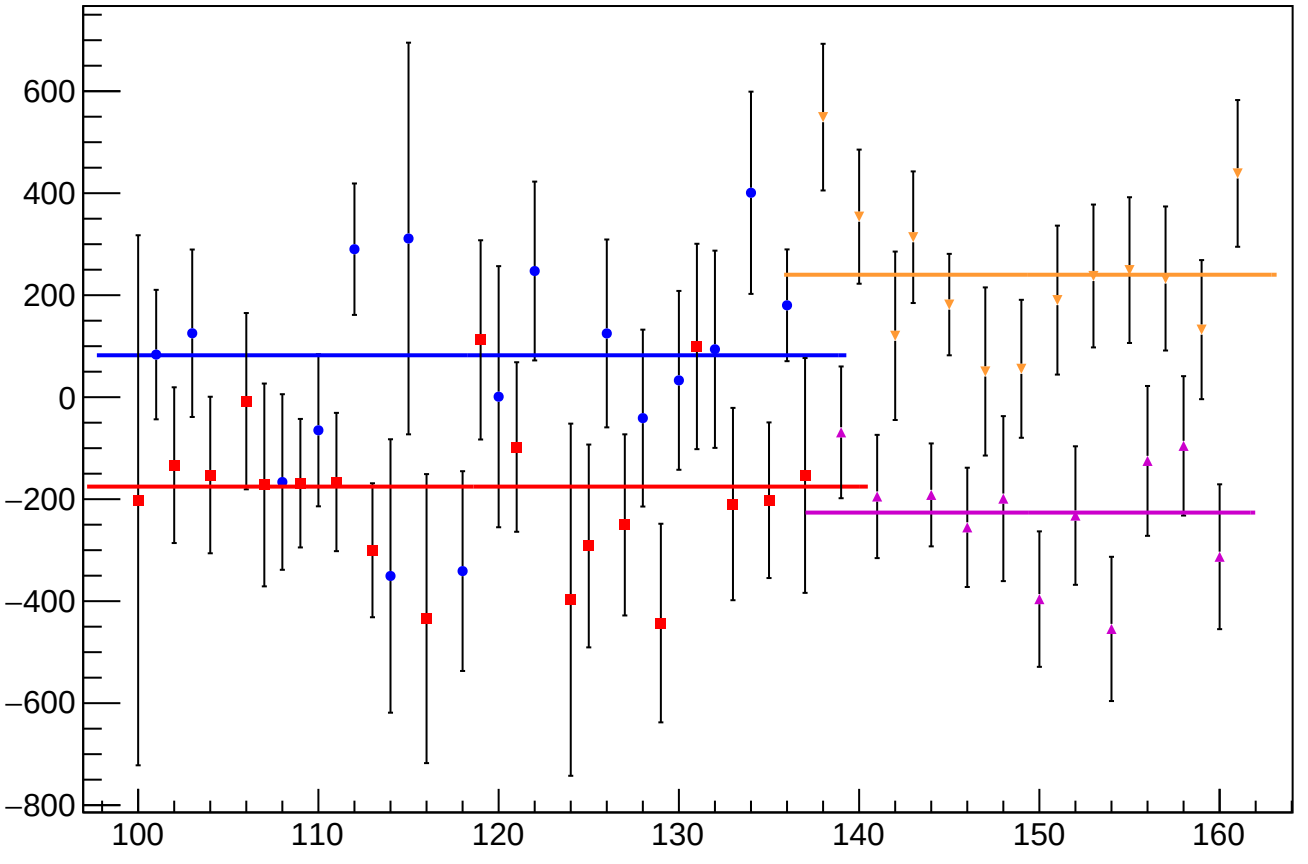
Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 952.336+/-0.221 χ^2/NDF:315794.9/10

+ sign 1025.411+/-0.177 χ^2/NDF: 1475826.4/28

All: 1018.751+/-0.126 χ^2/NDF: 2784378.5/58

- sign 1012.071+/-0.178 χ^2/NDF: 1305727.8/29



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 240.134+/-37.946 χ^2/NDF:12.4/12

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

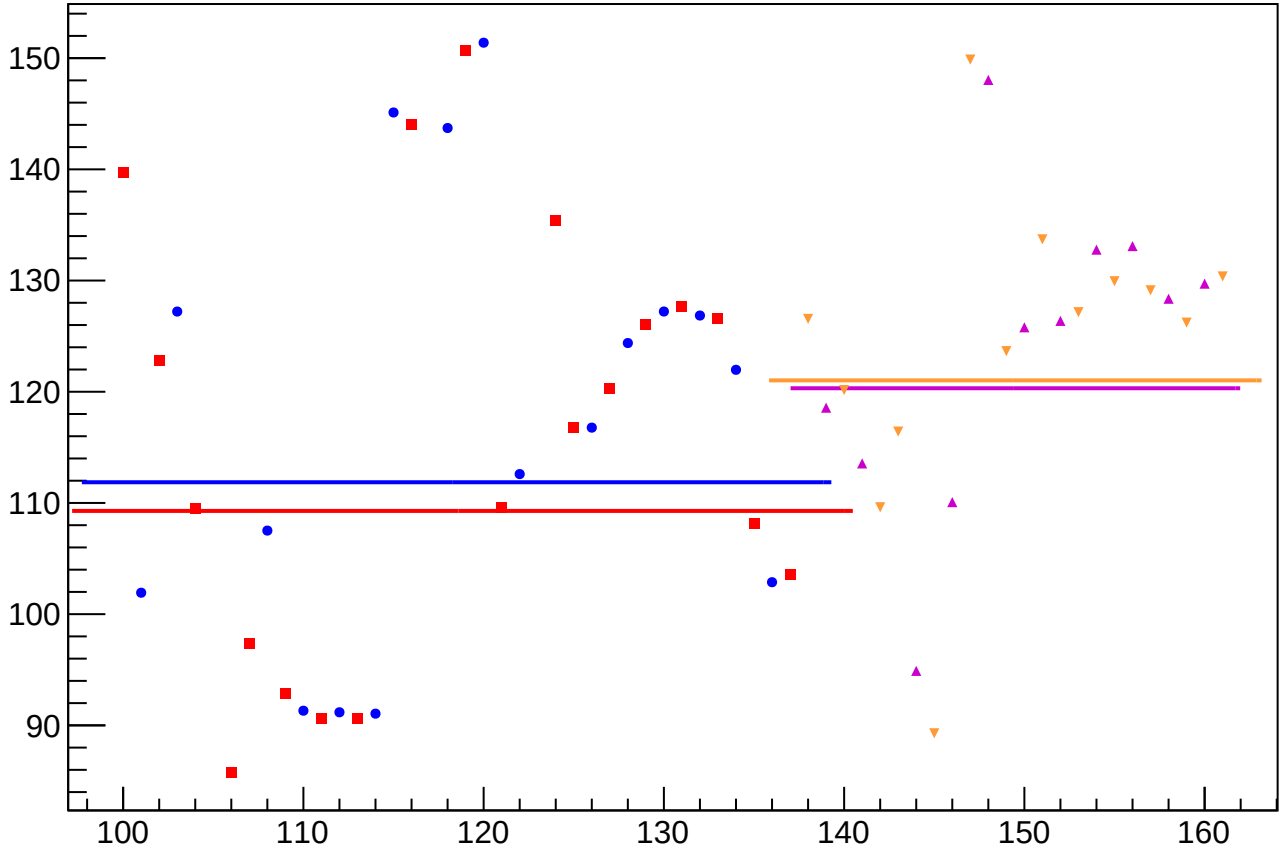
Left In: -226.290+/-39.277 χ^2/NDF:7.8/10

+ sign 169.396+/-28.196 χ^2/NDF: 38.5/28

All: -15.768+/-19.959 χ^2/NDF: 143.5/58

- sign -201.707+/-28.255 χ^2/NDF: 18.5/29

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.023+/-0.027 χ^2/NDF:325397.5/12

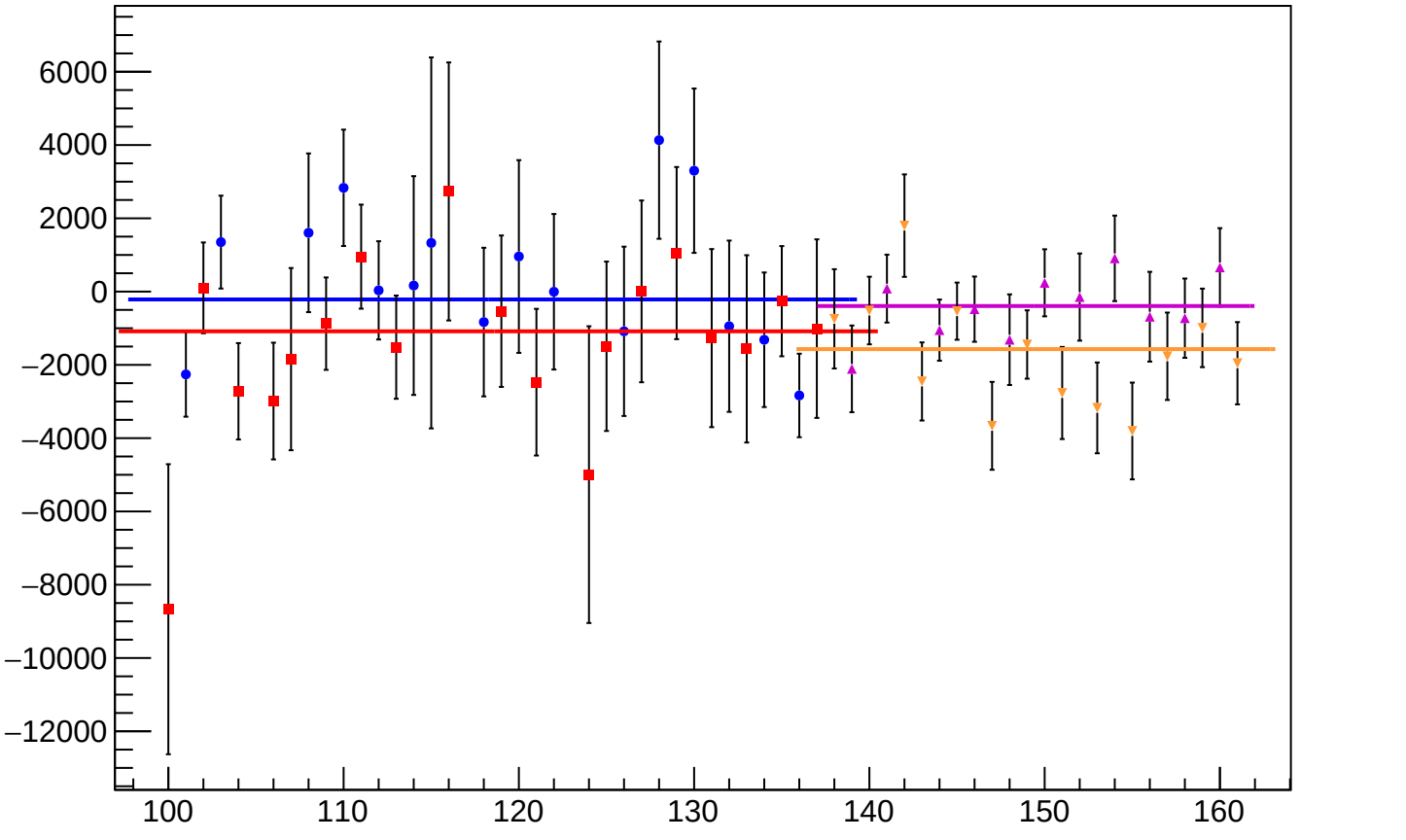
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.314+/-0.028 χ^2/NDF:261322.6/10

+ sign 116.920+/-0.020 χ^2/NDF: 683626.2/28

All: 115.958+/-0.014 χ^2/NDF: 1396428.6/58

- sign 114.993+/-0.020 χ^2/NDF: 708138.8/29



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1570.177+/-303.974 χ^2/NDF:18.9/12

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

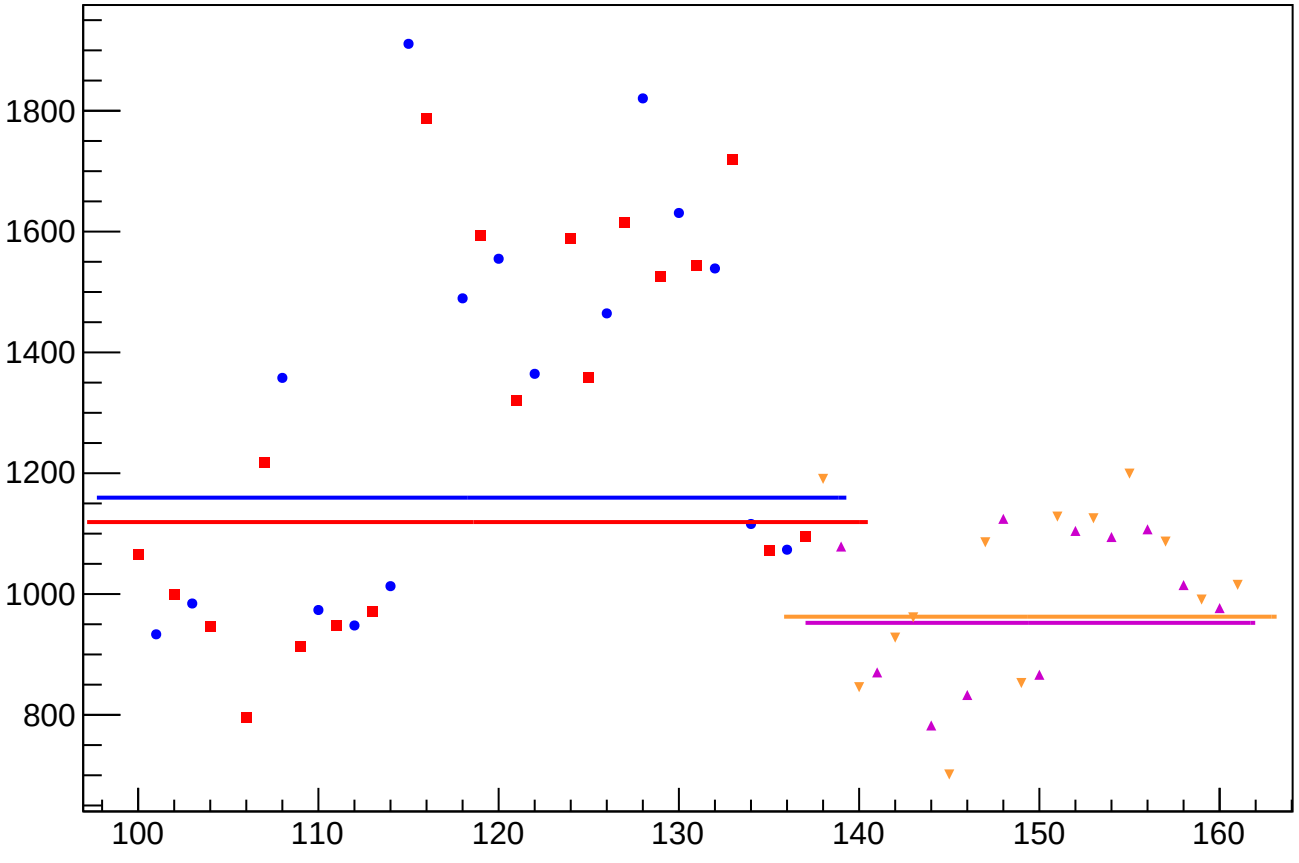
Left In: -393.634+/-312.200 χ^2/NDF:6.4/10

+ sign -1137.421+/-250.817 χ^2/NDF: 45.7/28

All: -887.490+/-177.544 χ^2/NDF: 69.7/58

- sign -636.488+/-251.354 χ^2/NDF: 22.0/29

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 962.520+/-0.215 χ^2/NDF:523898.8/12

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

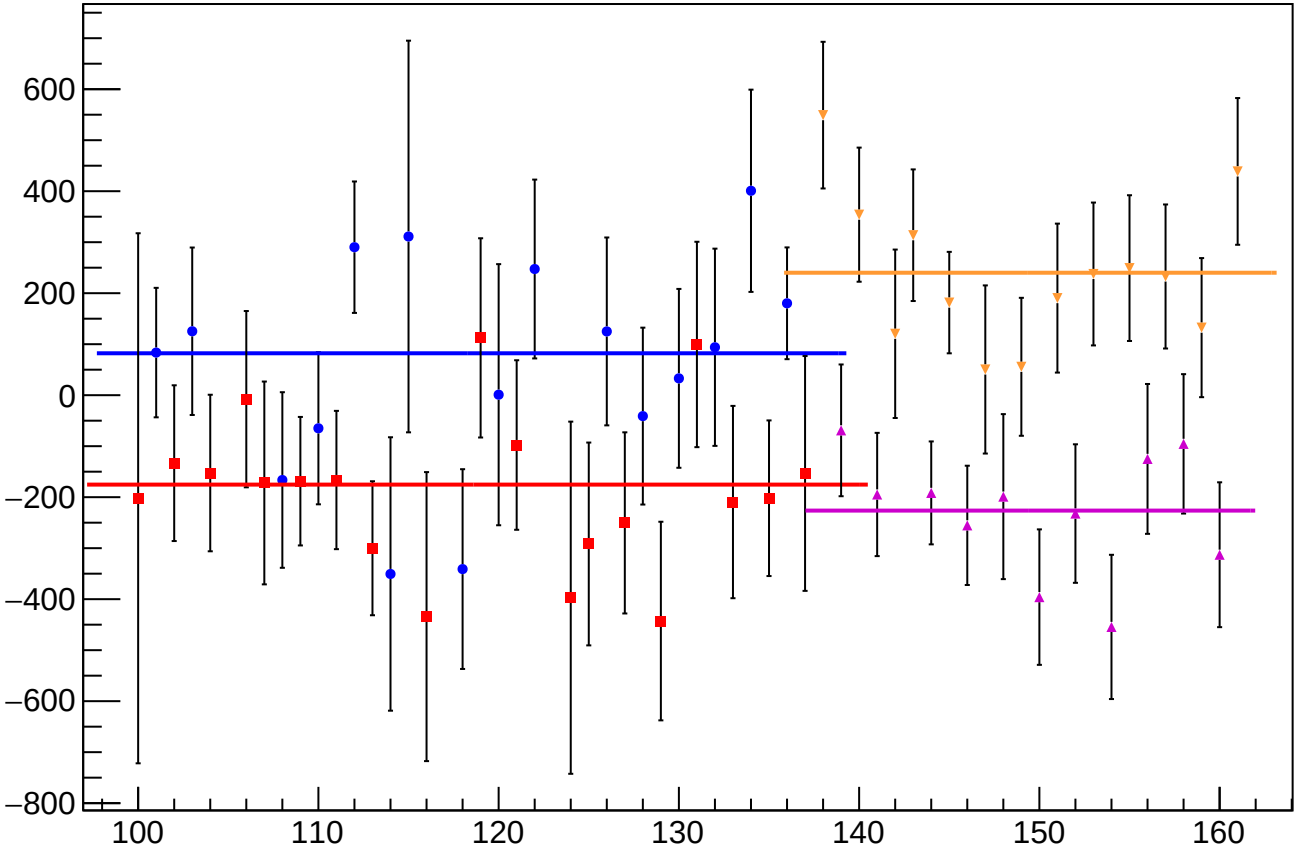
Left In: 952.336+/-0.221 χ^2/NDF:315792.3/10

+ sign 1025.413+/-0.177 χ^2/NDF: 1475821.6/28

All: 1018.234+/-0.126 χ^2/NDF: 2798943.6/58

- sign 1011.024+/-0.178 χ^2/NDF: 1319837.7/29

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 240.134+/-37.946 χ^2/NDF:12.4/12

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

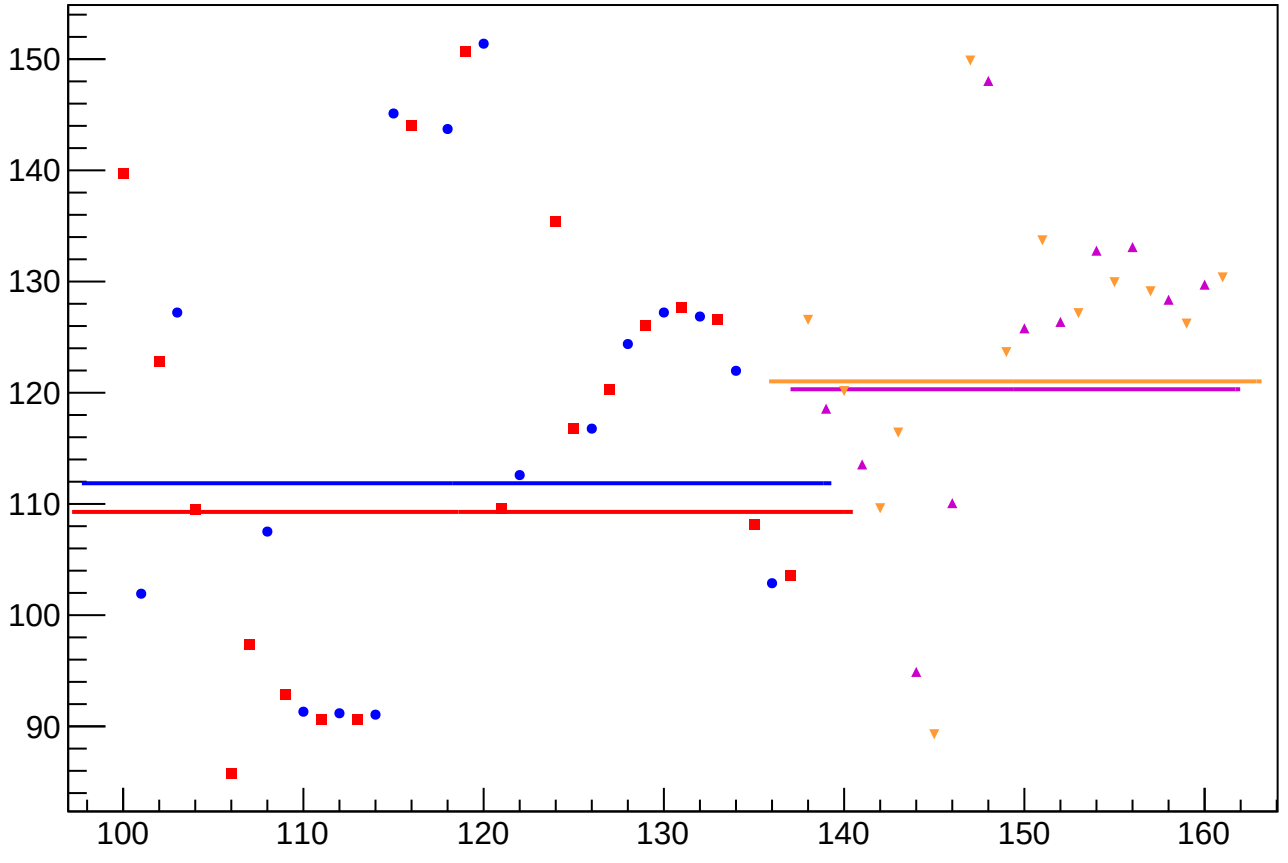
Left In: -226.290+/-39.277 χ^2/NDF:7.8/10

+ sign 169.396+/-28.196 χ^2/NDF: 38.5/28

All: -15.768+/-19.959 χ^2/NDF: 143.5/58

- sign -201.707+/-28.255 χ^2/NDF: 18.5/29

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.023+/-0.027 χ^2/NDF:325397.5/12

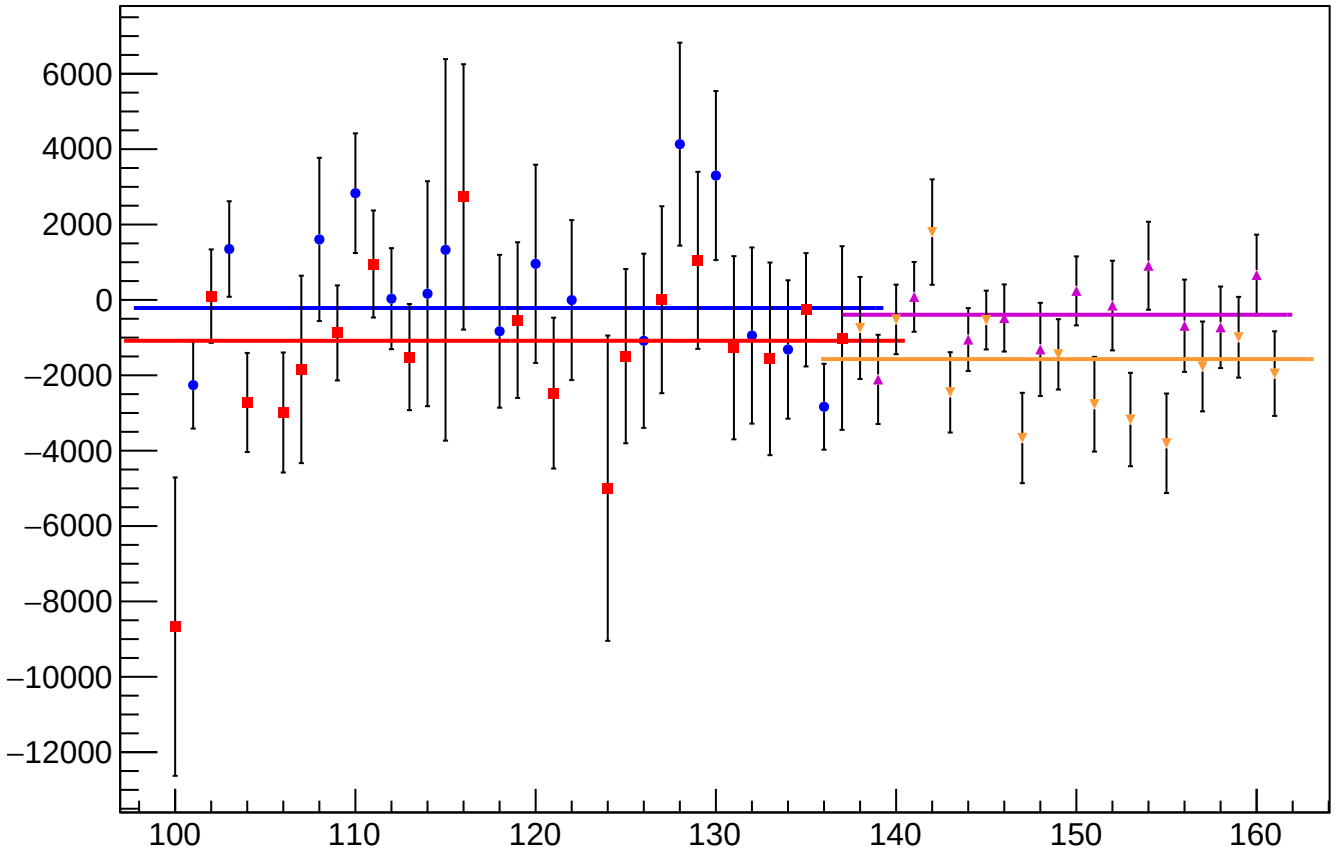
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.314+/-0.028 χ^2/NDF:261322.6/10

+ sign 116.920+/-0.020 χ^2/NDF: 683626.2/28

All: 115.958+/-0.014 χ^2/NDF: 1396428.6/58

- sign 114.993+/-0.020 χ^2/NDF: 708138.8/29



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1570.177+/-303.974 χ^2/NDF:18.9/12

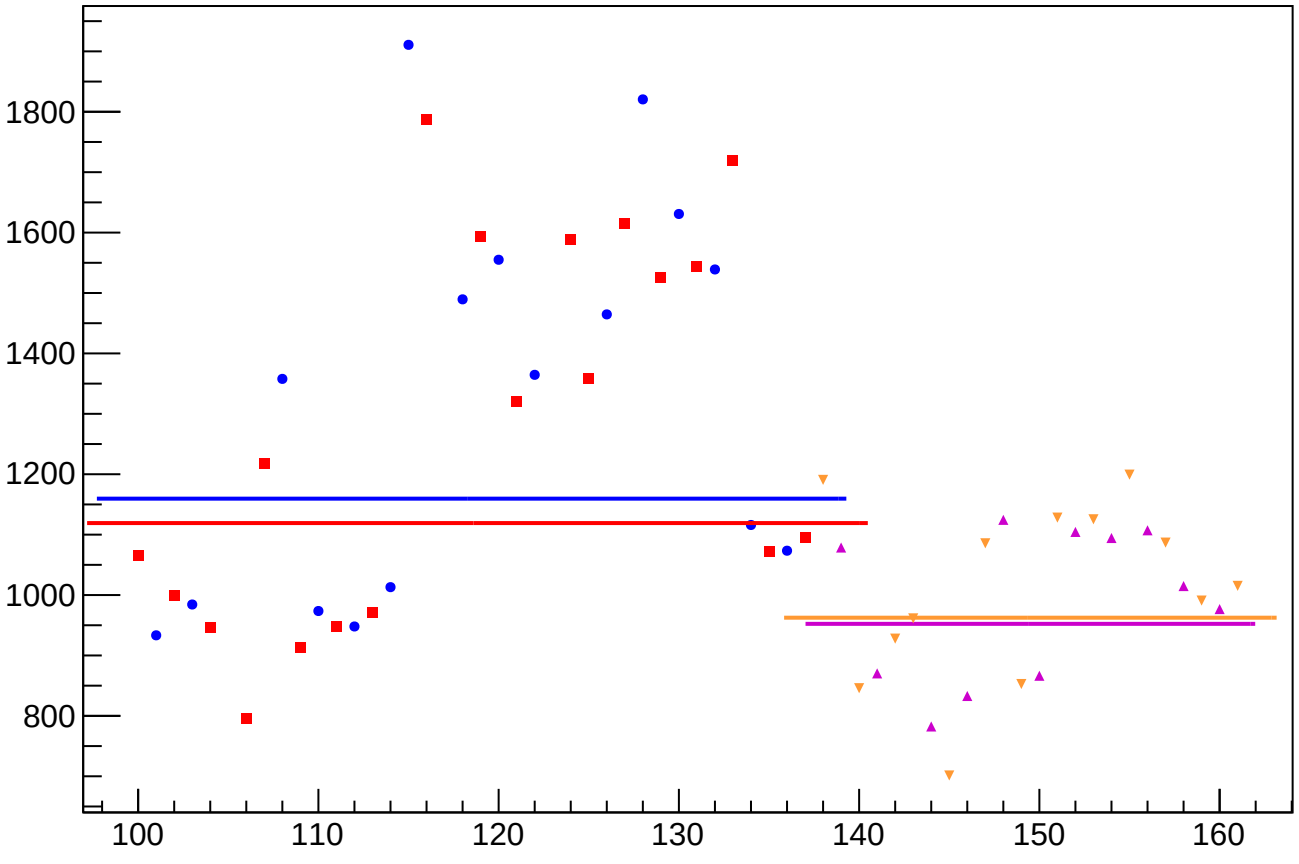
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -393.634+/-312.200 χ^2/NDF:6.4/10

+ sign -1137.421+/-250.817 χ^2/NDF: 45.7/28

All: -887.490+/-177.544 χ^2/NDF: 69.7/58

- sign -636.488+/-251.354 χ^2/NDF: 22.0/29



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 962.520+/-0.215 χ^2/NDF:523898.8/12

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

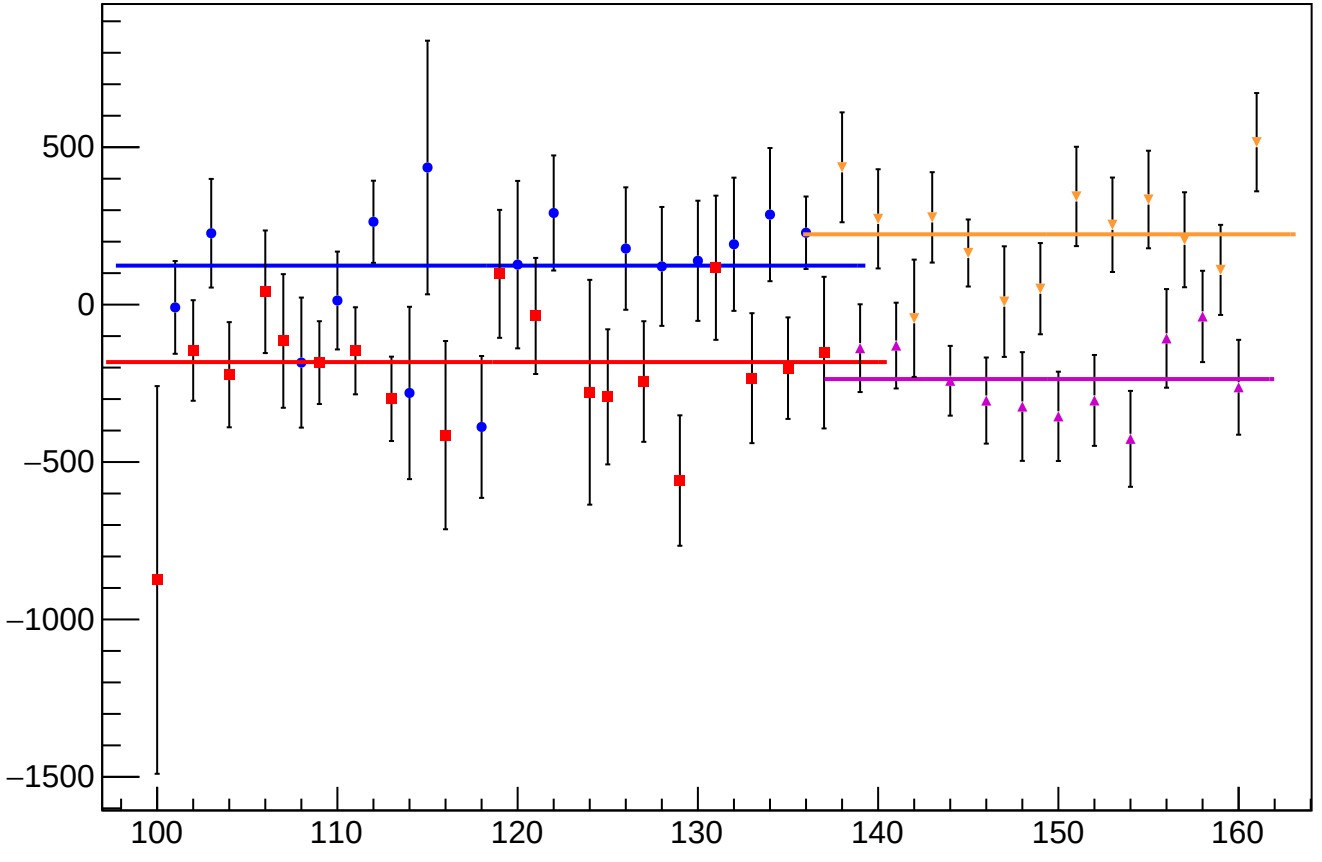
Left In: 952.336+/-0.221 χ^2/NDF:315792.3/10

+ sign 1025.413+/-0.177 χ^2/NDF: 1475821.6/28

All: 1018.234+/-0.126 χ^2/NDF: 2798943.6/58

- sign 1011.024+/-0.178 χ^2/NDF: 1319837.7/29

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 223.360+/-41.565 χ^2/NDF:12.3/12

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

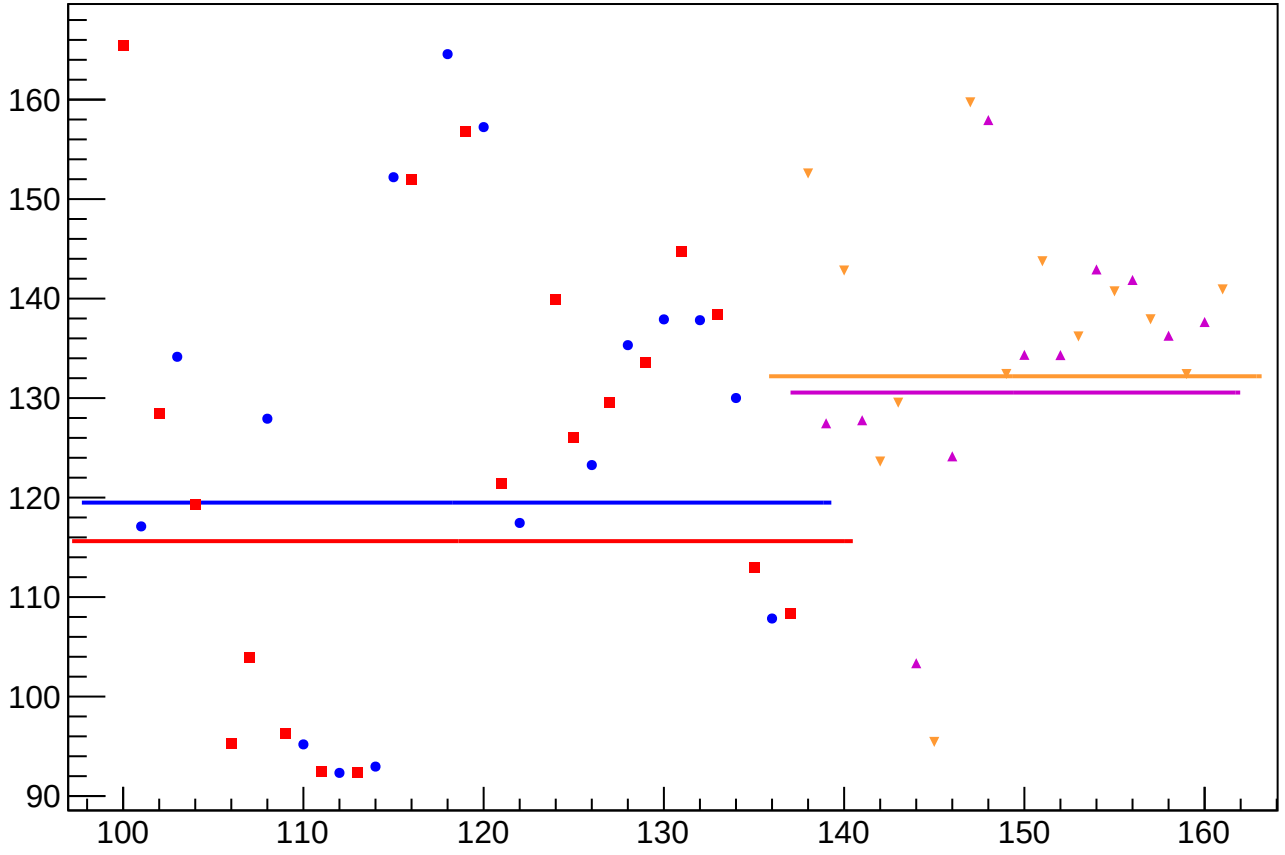
Left In: -236.417+/-42.762 χ^2/NDF:6.7/10

+ sign 177.828+/-30.607 χ^2/NDF: 30.3/28

All: -17.273+/-21.569 χ^2/NDF: 130.8/58

- sign -209.732+/-30.399 χ^2/NDF: 19.8/29

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 132.193+/-0.029 χ^2/NDF:356102.2/12

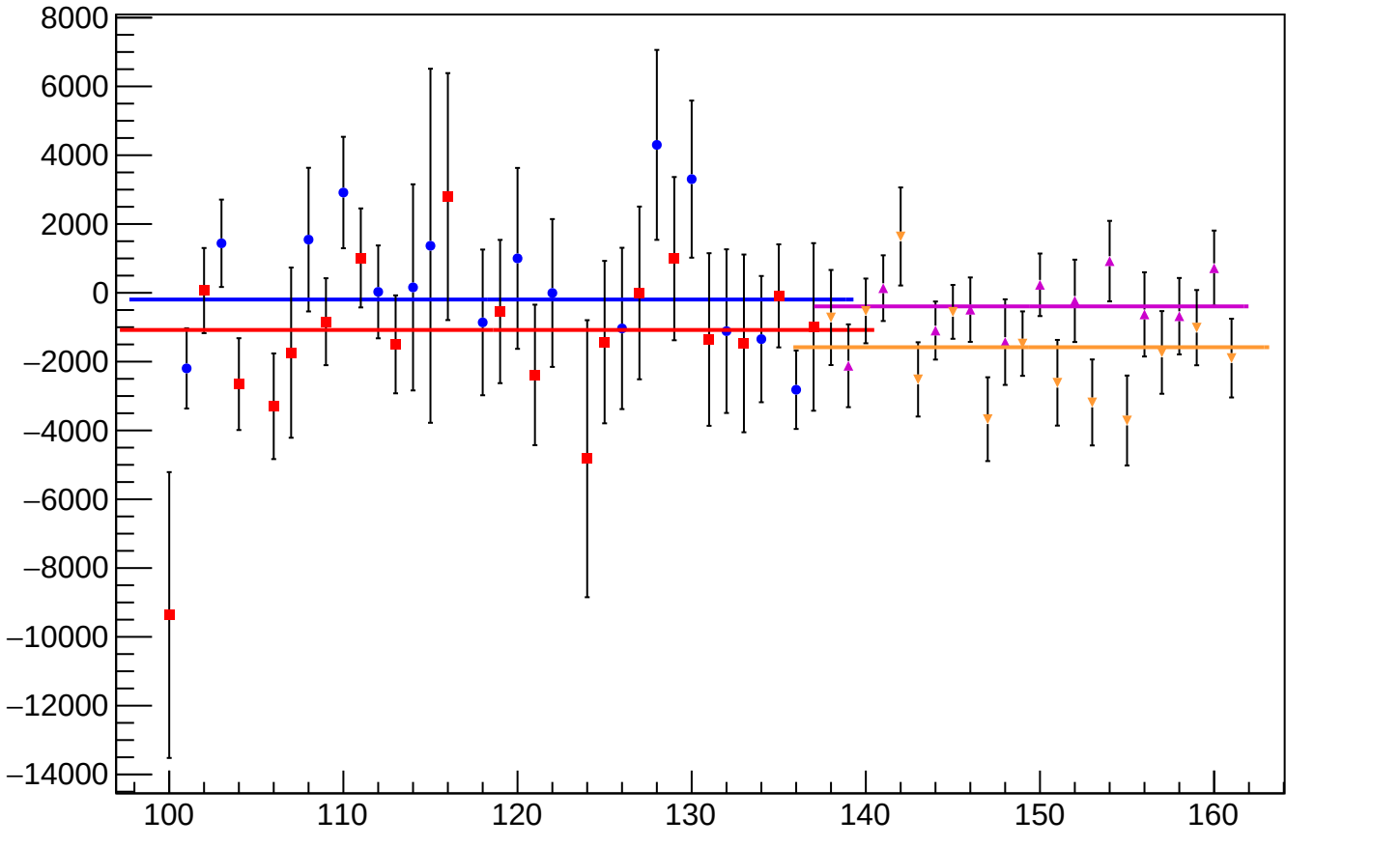
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 130.556+/-0.030 χ^2/NDF:211056.5/10

+ sign 126.380+/-0.022 χ^2/NDF: 821807.6/28

All: 124.764+/-0.015 χ^2/NDF: 1591561.8/58

- sign 123.169+/-0.021 χ^2/NDF: 758670.8/29



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1581.085+/-306.995 χ^2/NDF:17.5/12

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

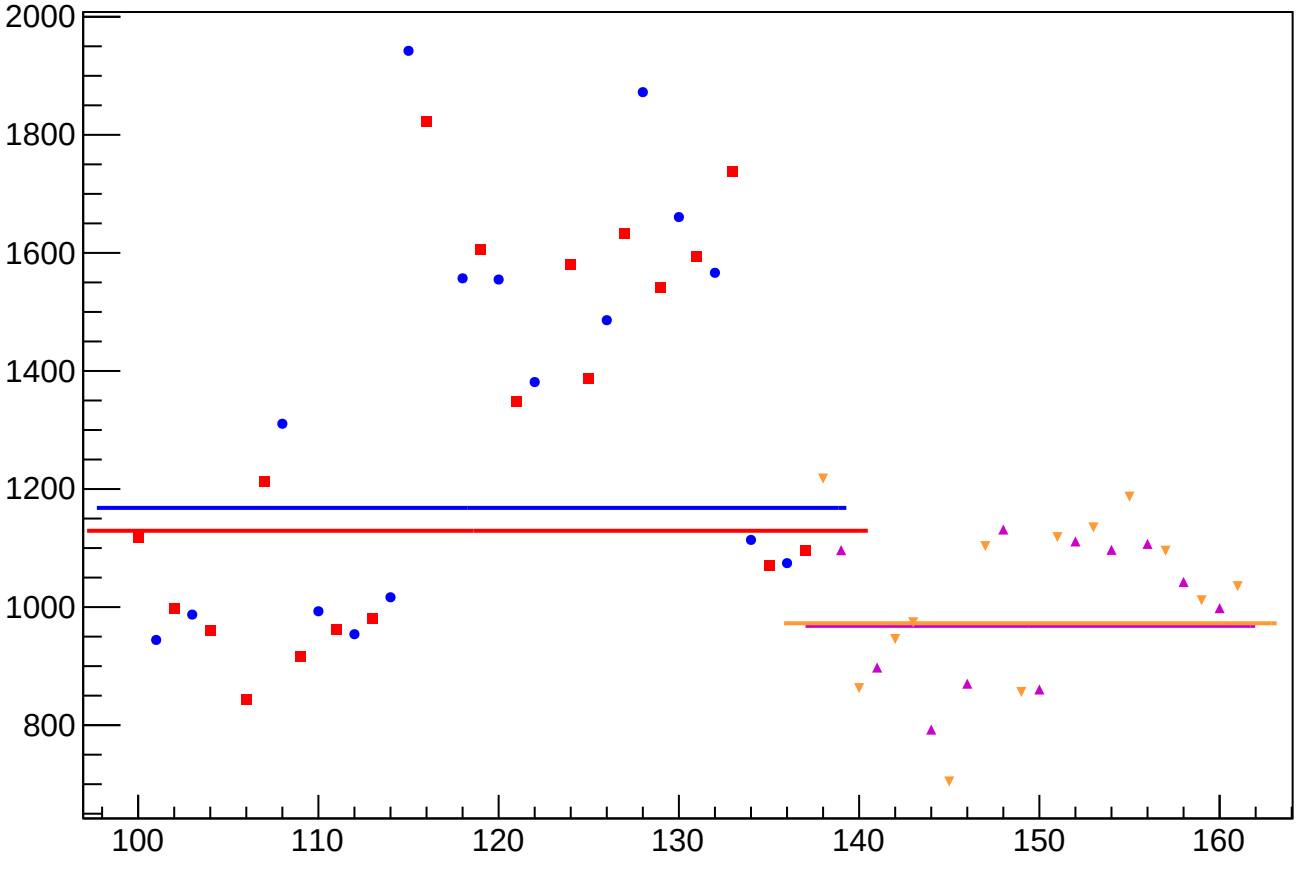
Left In: -394.215+/-317.327 χ^2/NDF:6.7/10

+ sign -1137.317+/-253.121 χ^2/NDF: 44.5/28

All: -889.369+/-179.460 χ^2/NDF: 69.3/58

- sign -638.765+/-254.473 χ^2/NDF: 22.9/29

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 972.604+/-0.217 χ^2/NDF:523512.5/12

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

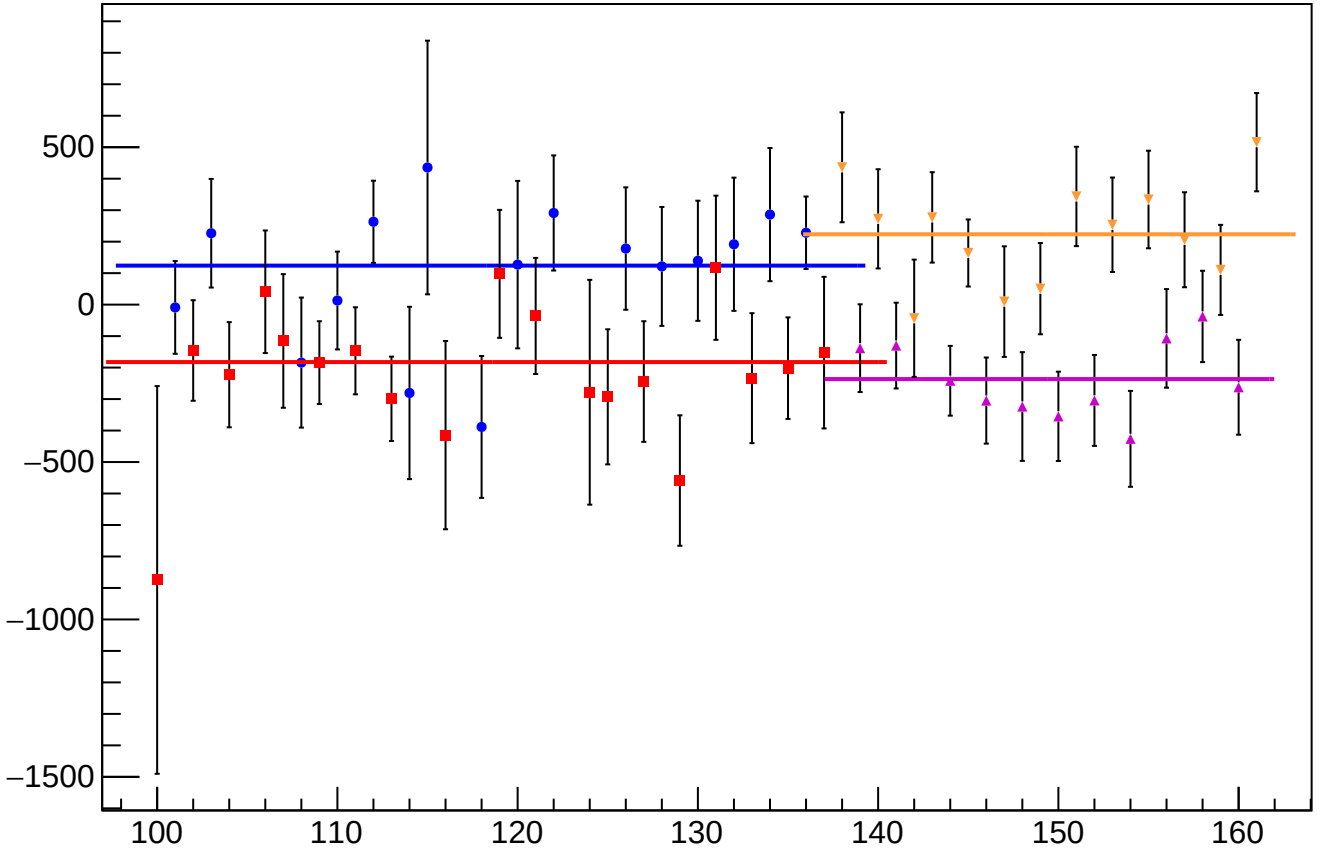
Left In: 968.214+/-0.224 χ^2/NDF:293772.4/10

+ sign 1035.186+/-0.179 χ^2/NDF: 1492456.6/28

All: 1030.475+/-0.127 χ^2/NDF: 2778830.3/58

- sign 1025.714+/-0.180 χ^2/NDF: 1284980.9/29

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 223.361+/-41.565 χ^2/NDF:12.3/12

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

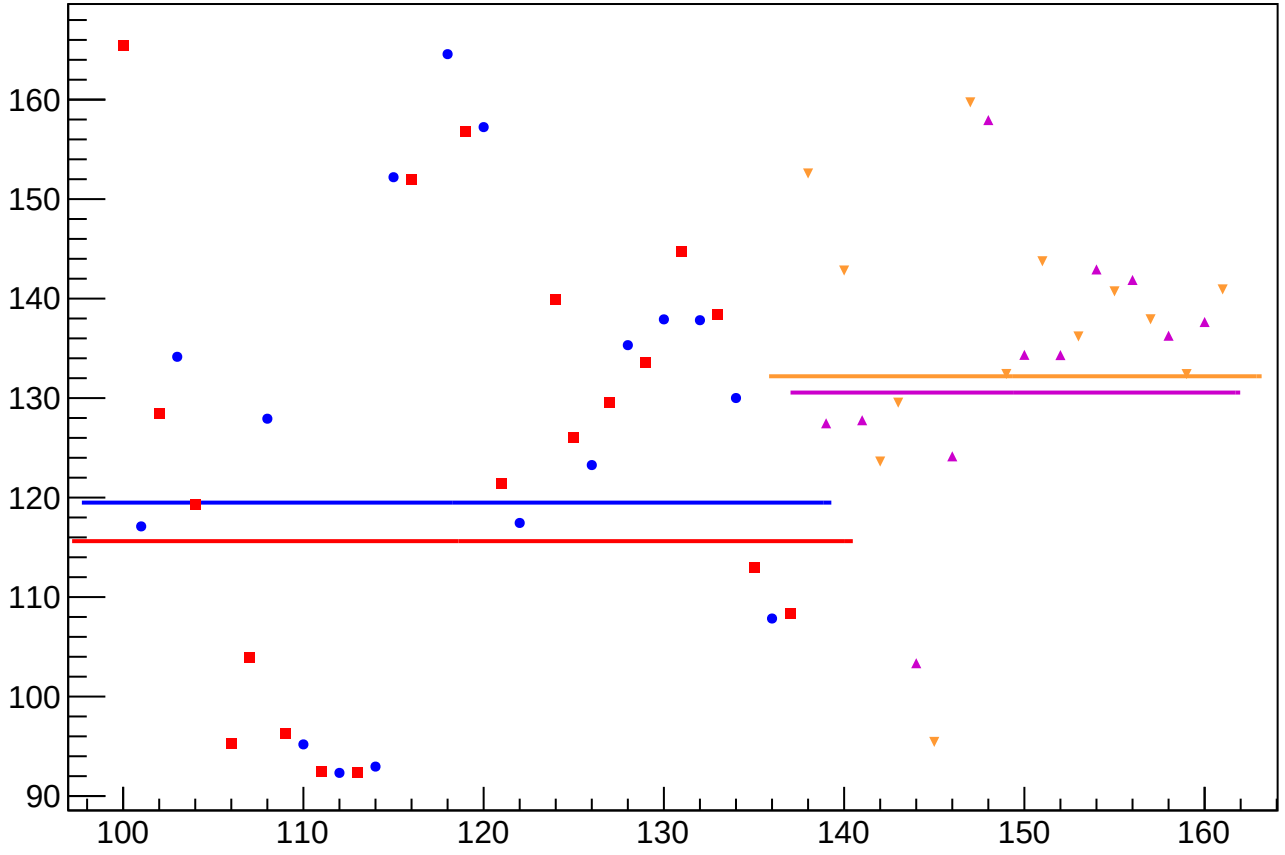
Left In: -236.418+/-42.762 χ^2/NDF:6.7/10

+ sign 177.829+/-30.607 χ^2/NDF: 30.3/28

All: -17.272+/-21.569 χ^2/NDF: 130.8/58

- sign -209.733+/-30.399 χ^2/NDF: 19.8/29

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 132.193+/-0.029 χ^2/NDF:356100.6/12

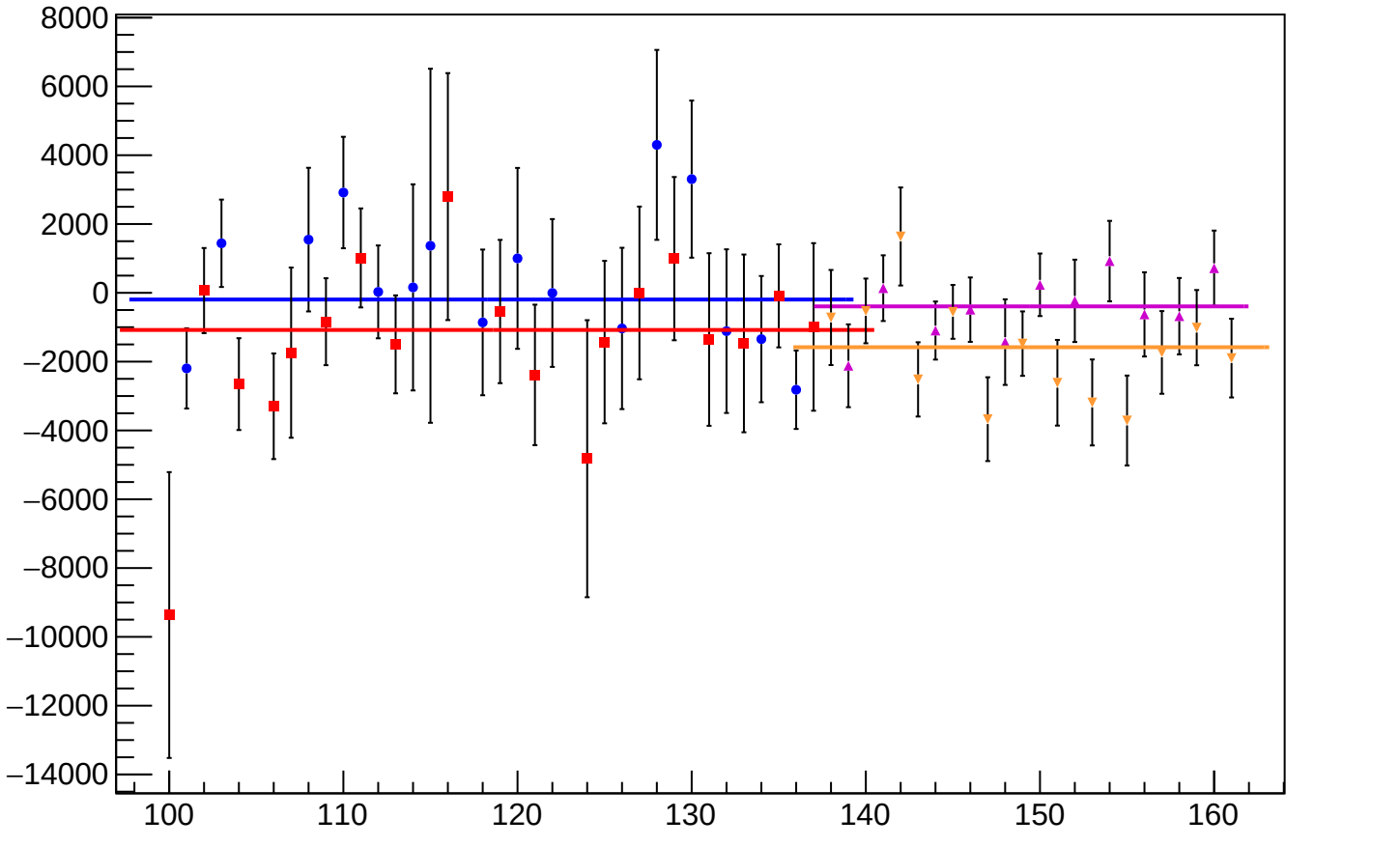
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 130.556+/-0.030 χ^2/NDF:211055.0/10

+ sign 126.380+/-0.022 χ^2/NDF: 821810.0/28

All: 124.764+/-0.015 χ^2/NDF: 1591569.7/58

- sign 123.169+/-0.021 χ^2/NDF: 758676.1/29



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1581.082+/-306.994 χ^2/NDF:17.5/12

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

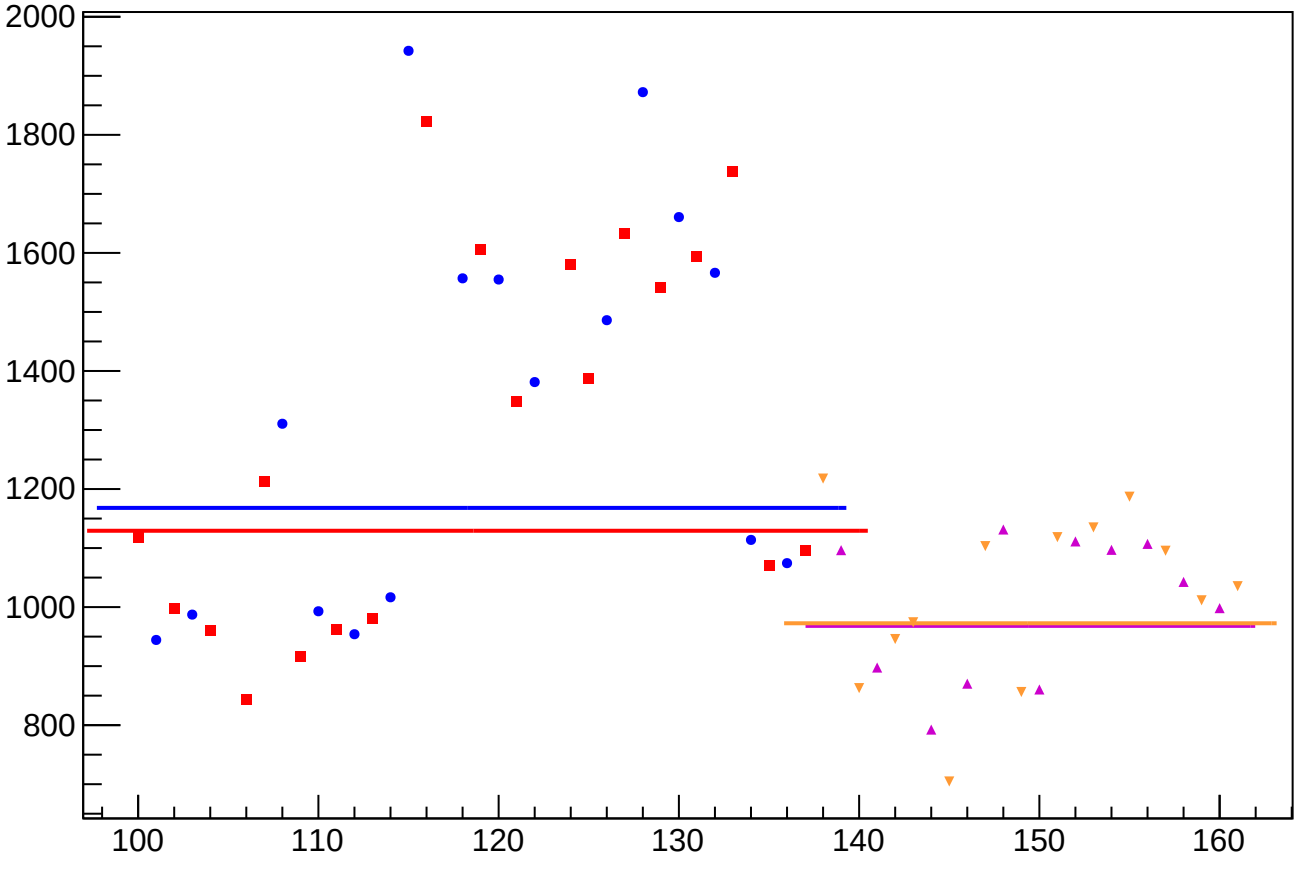
Left In: -394.214+/-317.327 χ^2/NDF:6.7/10

+ sign -1137.315+/-253.121 χ^2/NDF: 44.5/28

All: -889.368+/-179.459 χ^2/NDF: 69.3/58

- sign -638.765+/-254.473 χ^2/NDF: 22.9/29

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 972.603+/-0.217 χ^2/NDF:523515.6/12

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

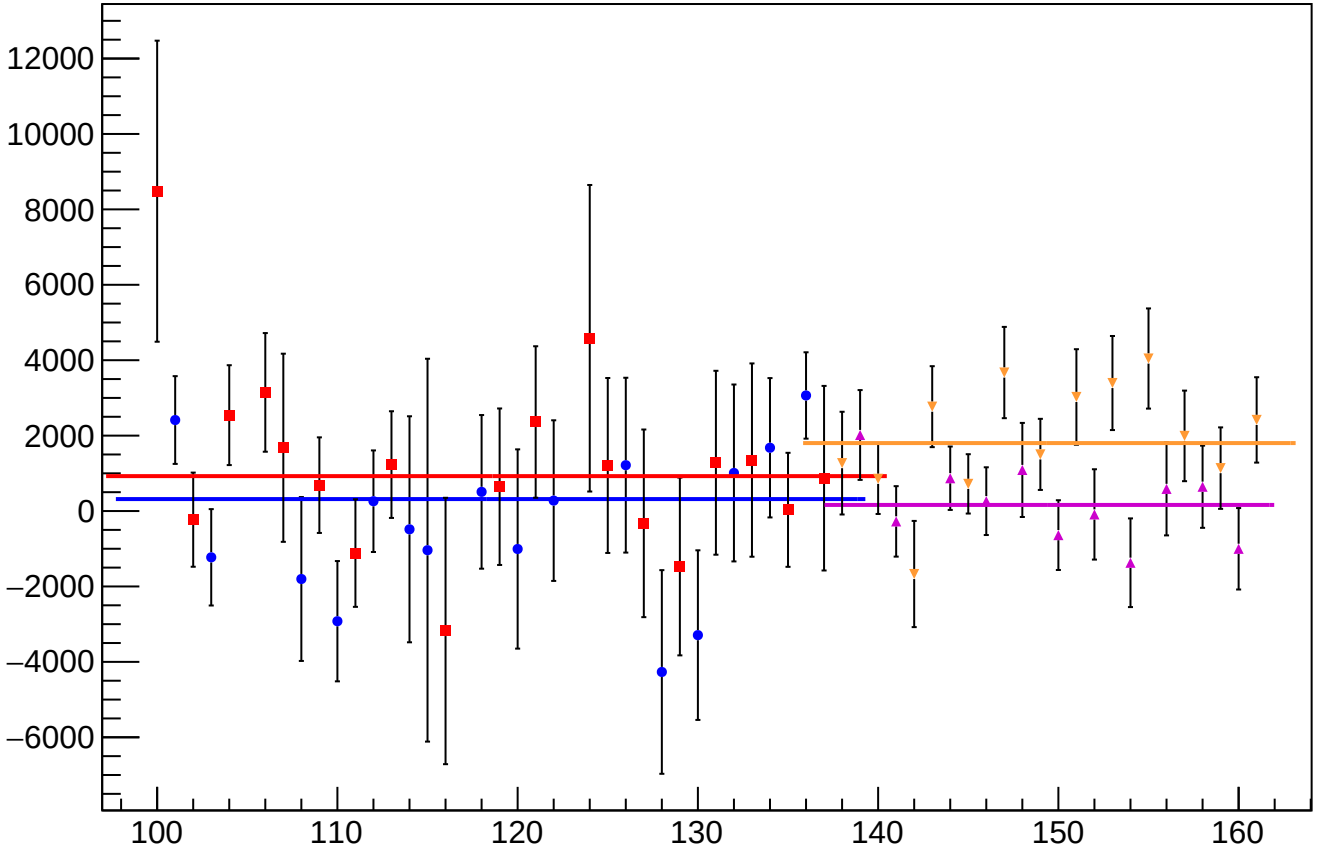
Left In: 968.214+/-0.224 χ^2/NDF:293770.3/10

+ sign 1035.185+/-0.179 χ^2/NDF: 1492463.7/28

All: 1030.475+/-0.127 χ^2/NDF: 2778836.6/58

- sign 1025.714+/-0.180 χ^2/NDF: 1284980.3/29

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1802.515+/-306.463 χ^2/NDF:18.6/12

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

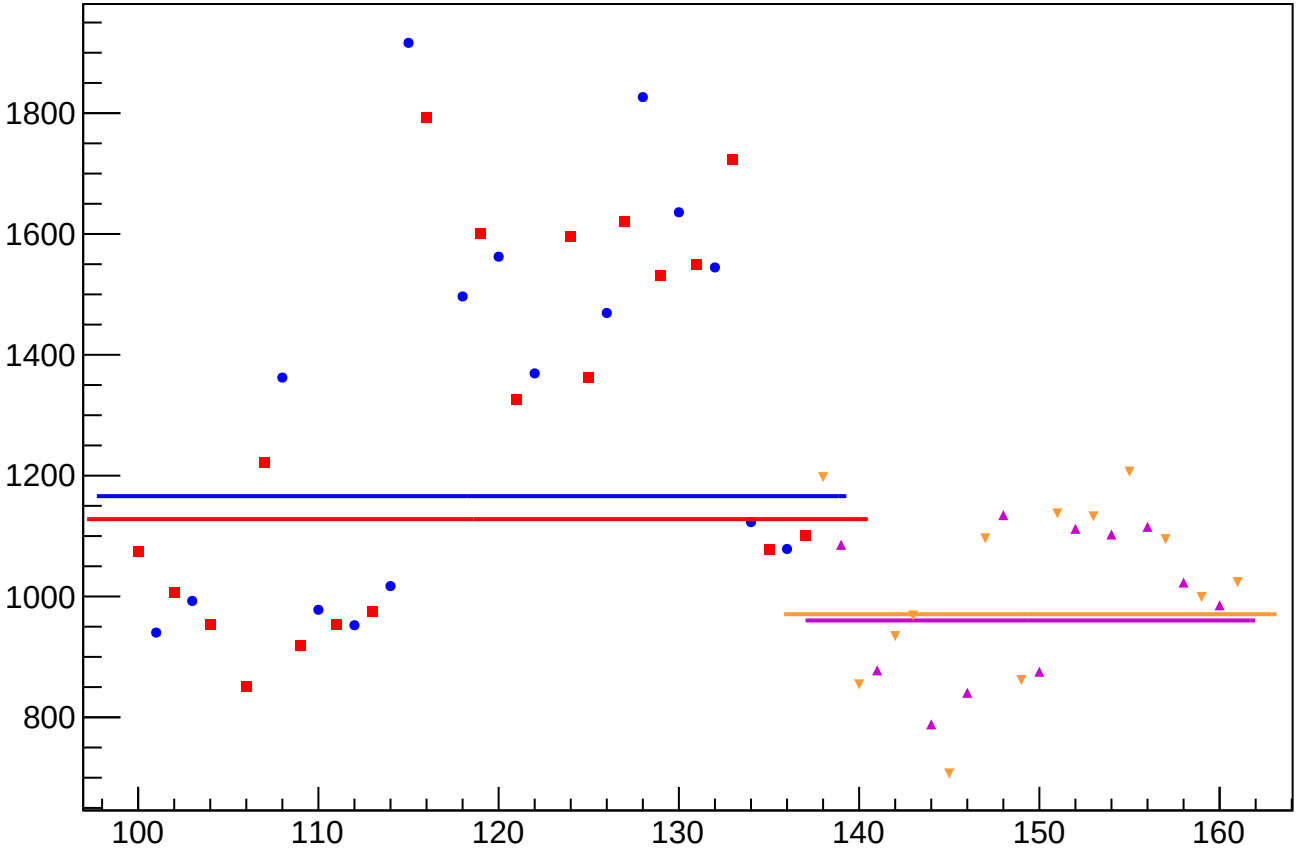
Left In: 161.905+/-314.768 χ^2/NDF:7.9/10

+ sign 1326.685+/-252.643 χ^2/NDF: 48.3/28

All: 880.157+/-178.783 χ^2/NDF: 79.0/58

- sign 432.249+/-253.033 χ^2/NDF: 24.5/29

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 970.592+/-0.217 χ^2/NDF:519183.0/12

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

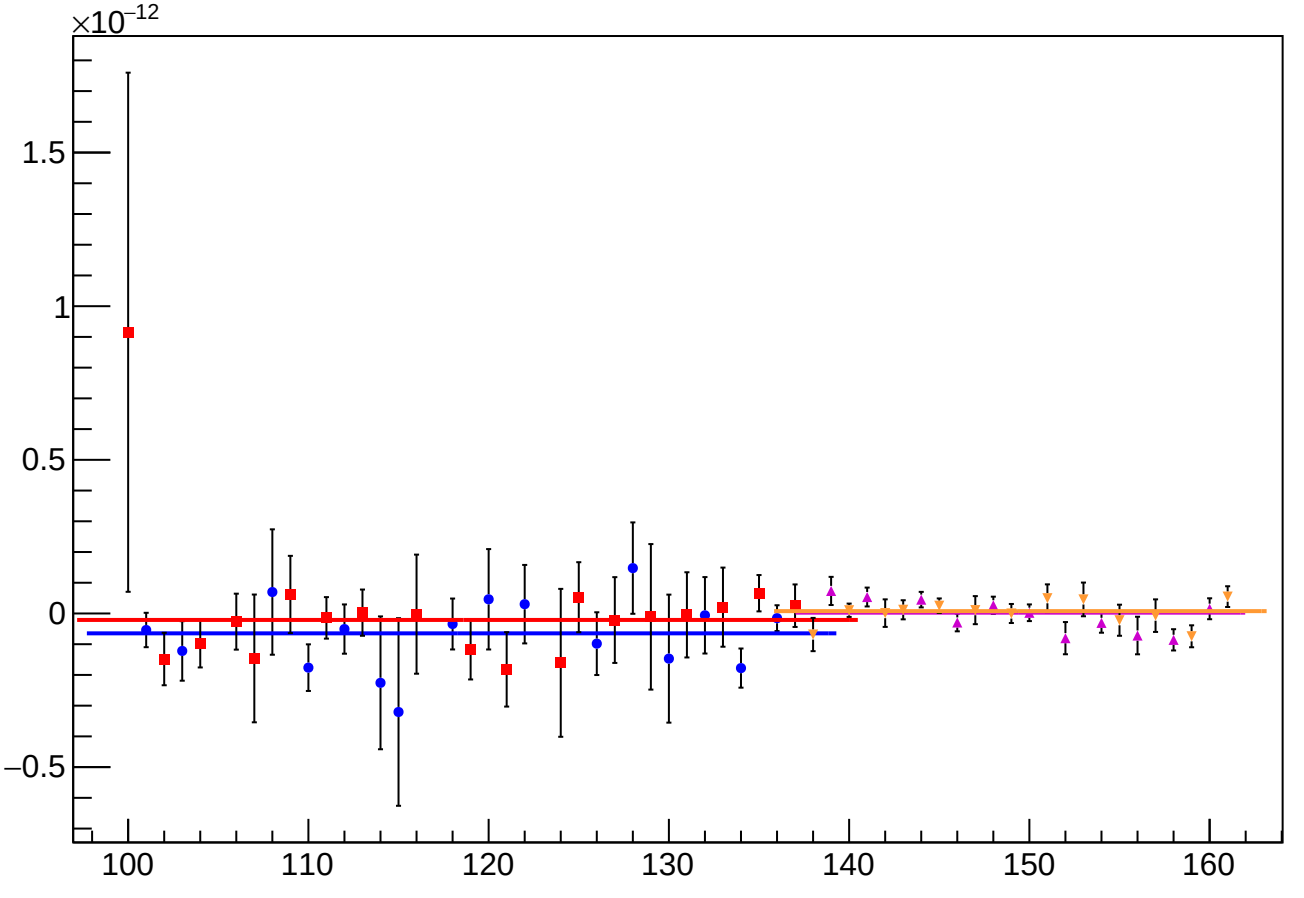
Left In: 960.304+/-0.223 χ^2/NDF:313503.0/10

+ sign 1033.217+/-0.179 χ^2/NDF: 1456917.2/28

All: 1026.437+/-0.126 χ^2/NDF: 2749924.1/58

- sign 1019.636+/-0.179 χ^2/NDF: 1290121.6/29

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

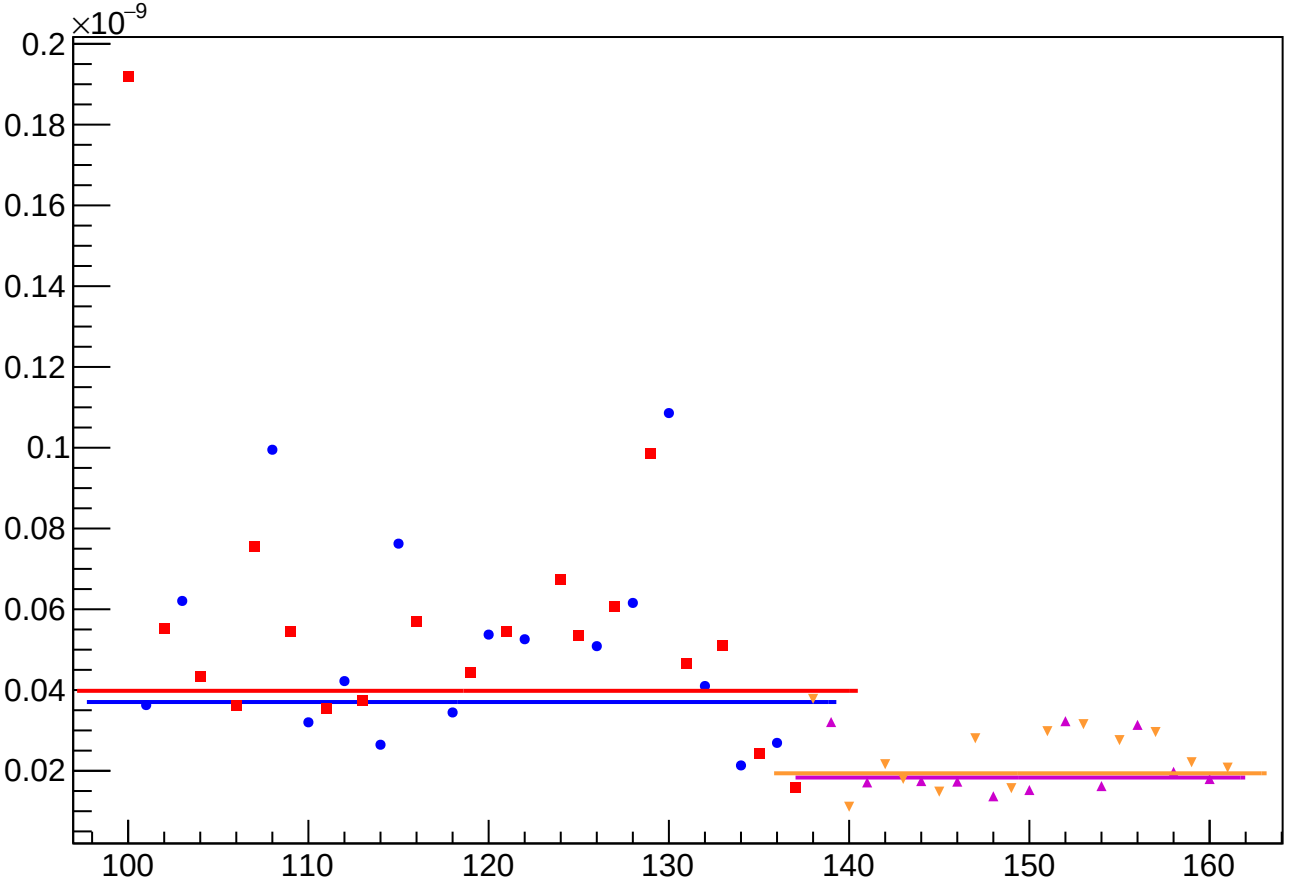
Left In: 0.000+/-0.000 χ^2/NDF:21.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/28

All: -0.000+/-0.000 χ^2/NDF: 67.3/58

- sign -0.000+/-0.000 χ^2/NDF: 34.0/29

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:1053135.2/12

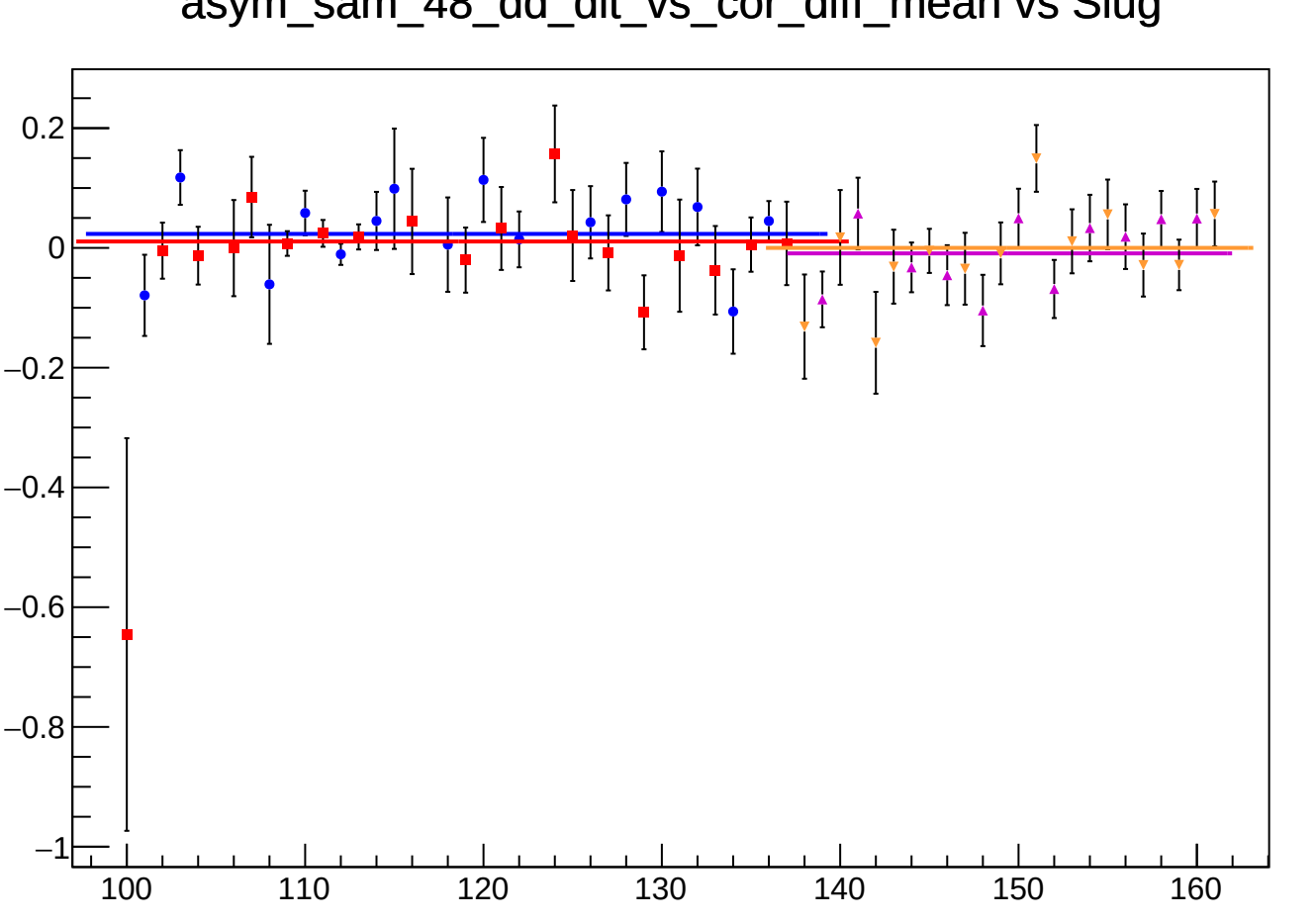
Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:513401.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 3138062.1/28

All: 0.000+/-0.000 χ^2/NDF: 6019308.8/58

- sign 0.000+/-0.000 χ^2/NDF: 2875898.1/29



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.000+/-0.015 χ^2/NDF:16.5/12

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

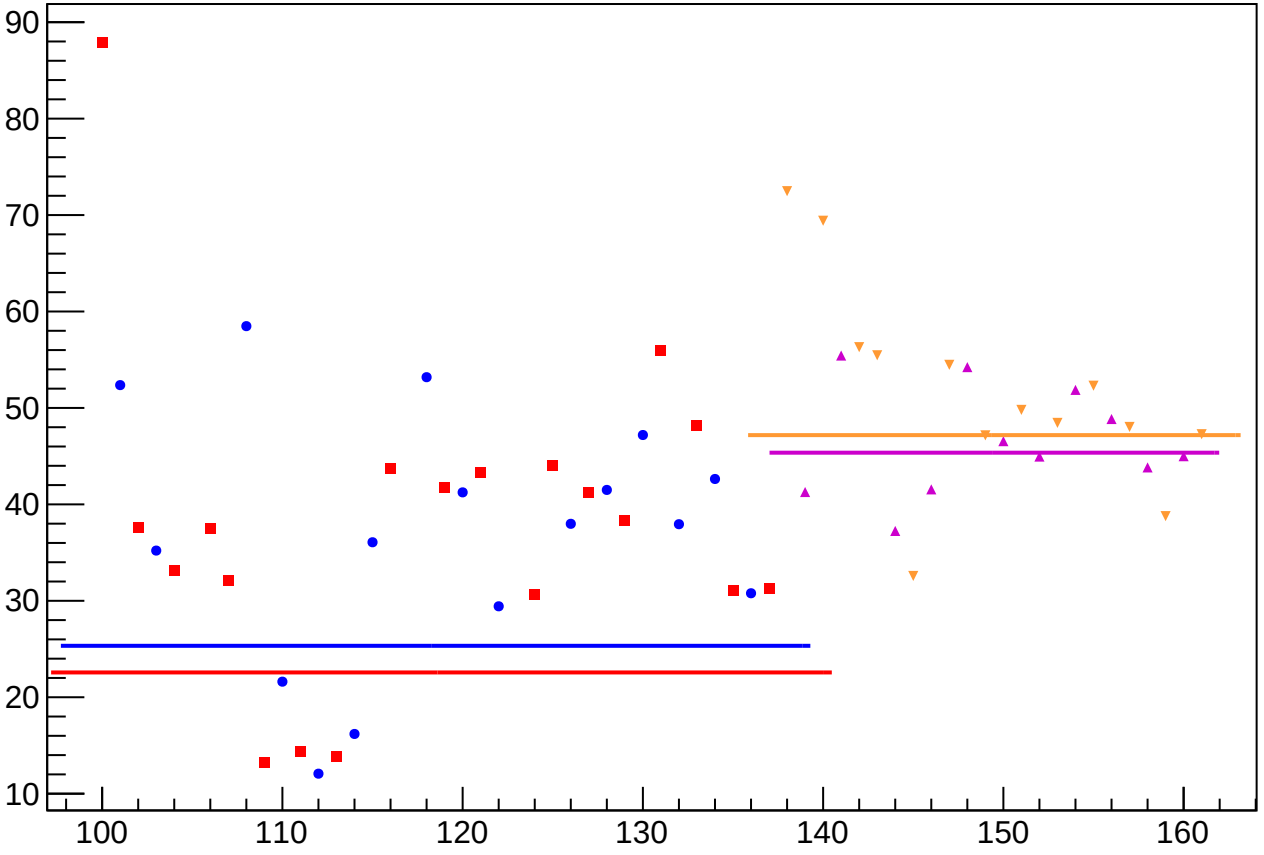
Left In: -0.009+/-0.015 χ^2/NDF:14.0/10

+ sign 0.015+/-0.009 χ^2/NDF: 38.7/28

All: 0.010+/-0.006 χ^2/NDF: 68.9/58

- sign 0.005+/-0.008 χ^2/NDF: 29.4/29

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: 47.181+/-0.011 χ^2/NDF:830718.4/12

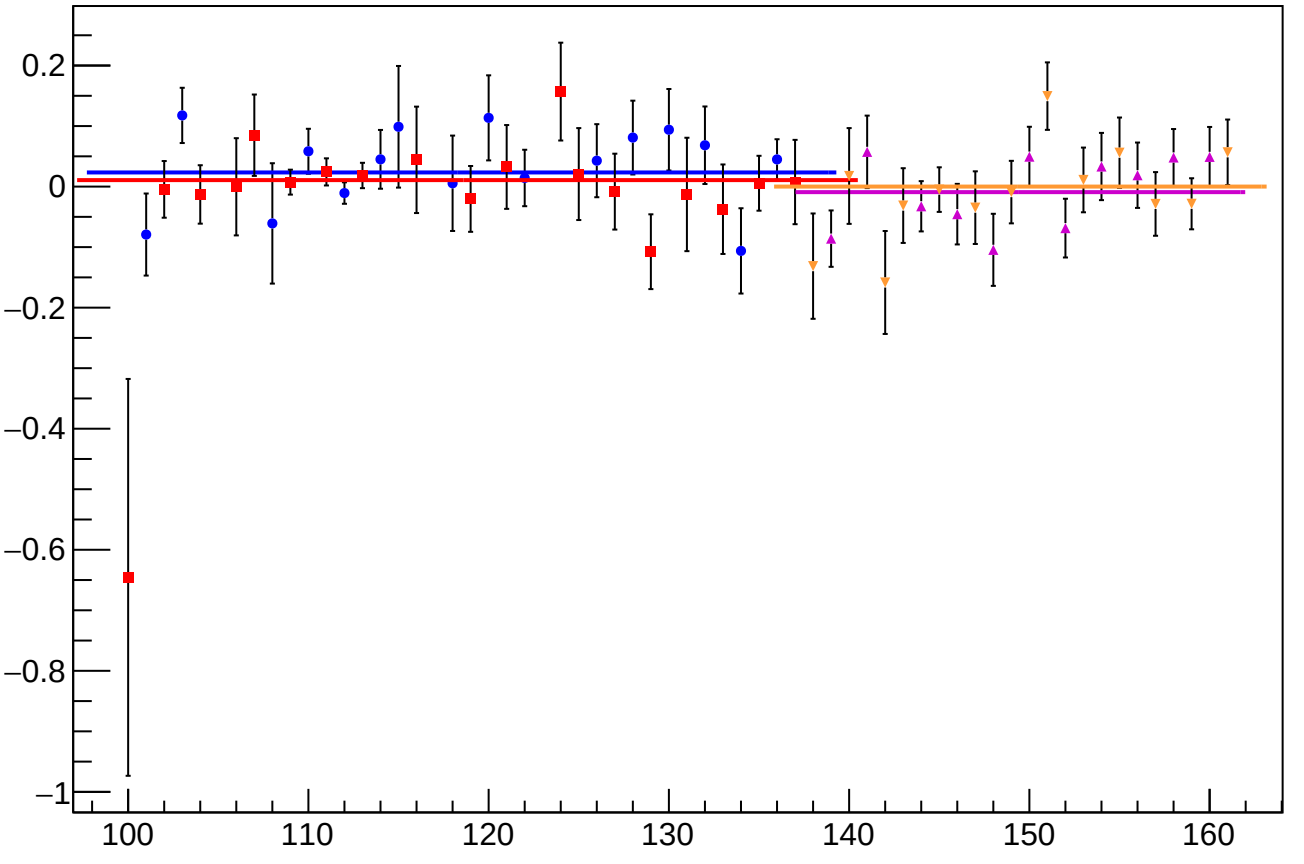
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.359+/-0.011 χ^2/NDF:243669.9/10

+ sign 32.889+/-0.006 χ^2/NDF: 6450381.8/28

All: 30.946+/-0.004 χ^2/NDF: 13201565.0/58

- sign 29.304+/-0.006 χ^2/NDF: 6577304.1/29



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.000+/-0.015 χ^2/NDF:16.5/12

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

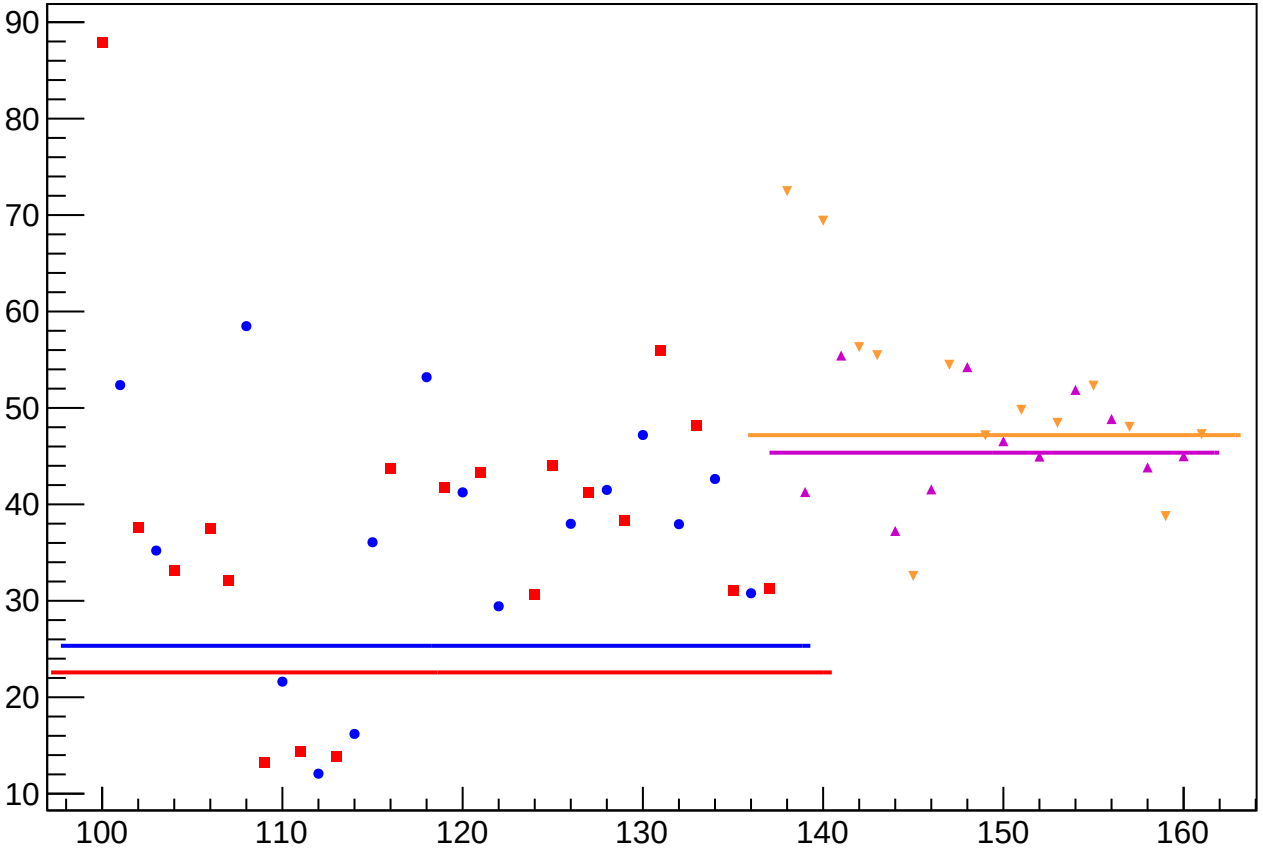
Left In: -0.009+/-0.015 χ^2/NDF:14.0/10

+ sign 0.015+/-0.009 χ^2/NDF: 38.7/28

All: 0.010+/-0.006 χ^2/NDF: 68.9/58

- sign 0.005+/-0.008 χ^2/NDF: 29.4/29

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.181+/-0.011 χ^2/NDF:830718.4/12

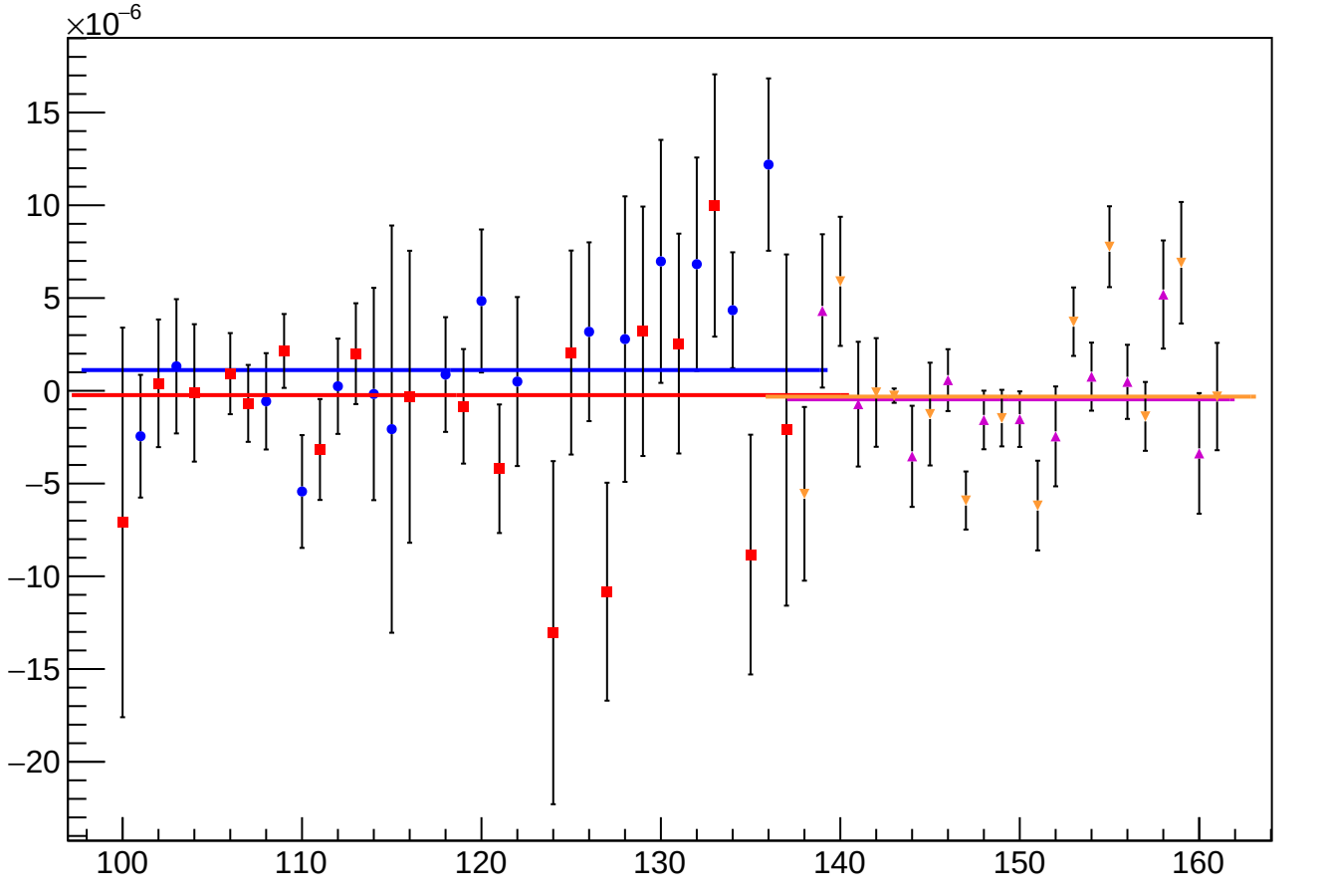
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.359+/-0.011 χ^2/NDF:243669.9/10

+ sign 32.889+/-0.006 χ^2/NDF: 6450381.8/28

All: 30.946+/-0.004 χ^2/NDF: 13201565.0/58

- sign 29.304+/-0.006 χ^2/NDF: 6577304.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/12

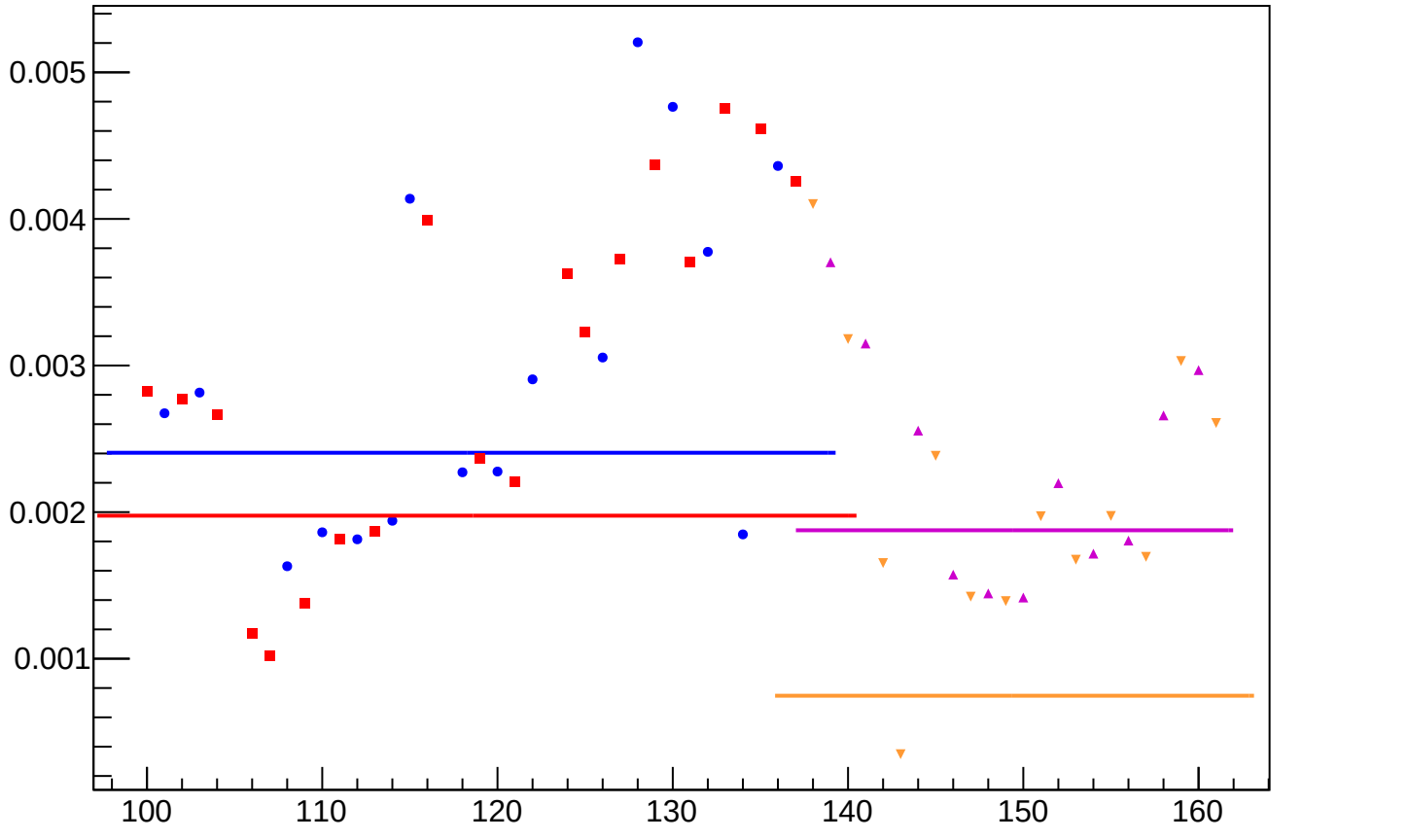
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 65.8/28

All: -0.000+/-0.000 χ^2/NDF: 90.9/58

- sign -0.000+/-0.000 χ^2/NDF: 25.0/29



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9730701.4/12

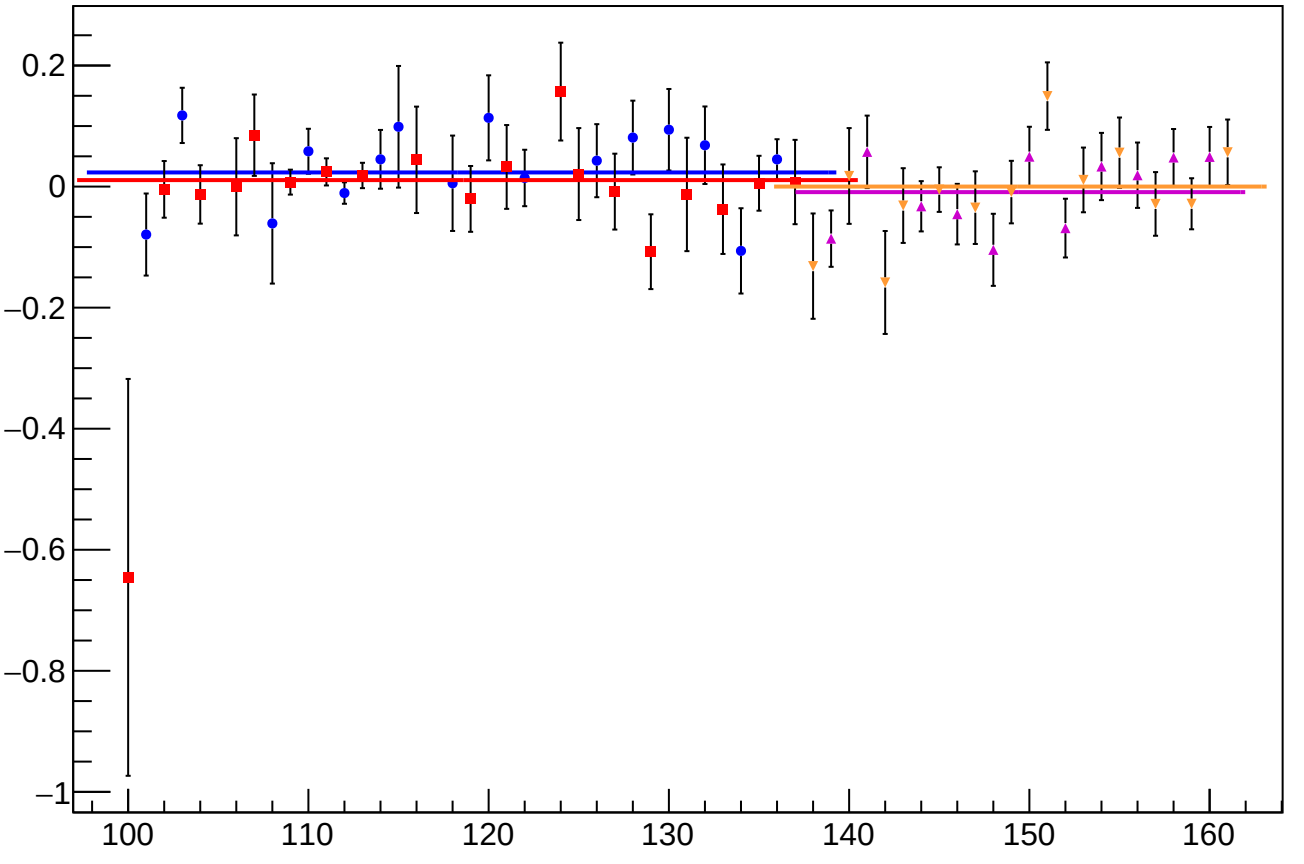
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1621473.0/10

\+ sign 0.001+/-0.000 χ^2/NDF: 16682666.3/28

All: 0.001+/-0.000 χ^2/NDF: 26616749.7/58

\- sign 0.002+/-0.000 χ^2/NDF: 4415229.1/29



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.000+/-0.015 χ^2/NDF:16.5/12

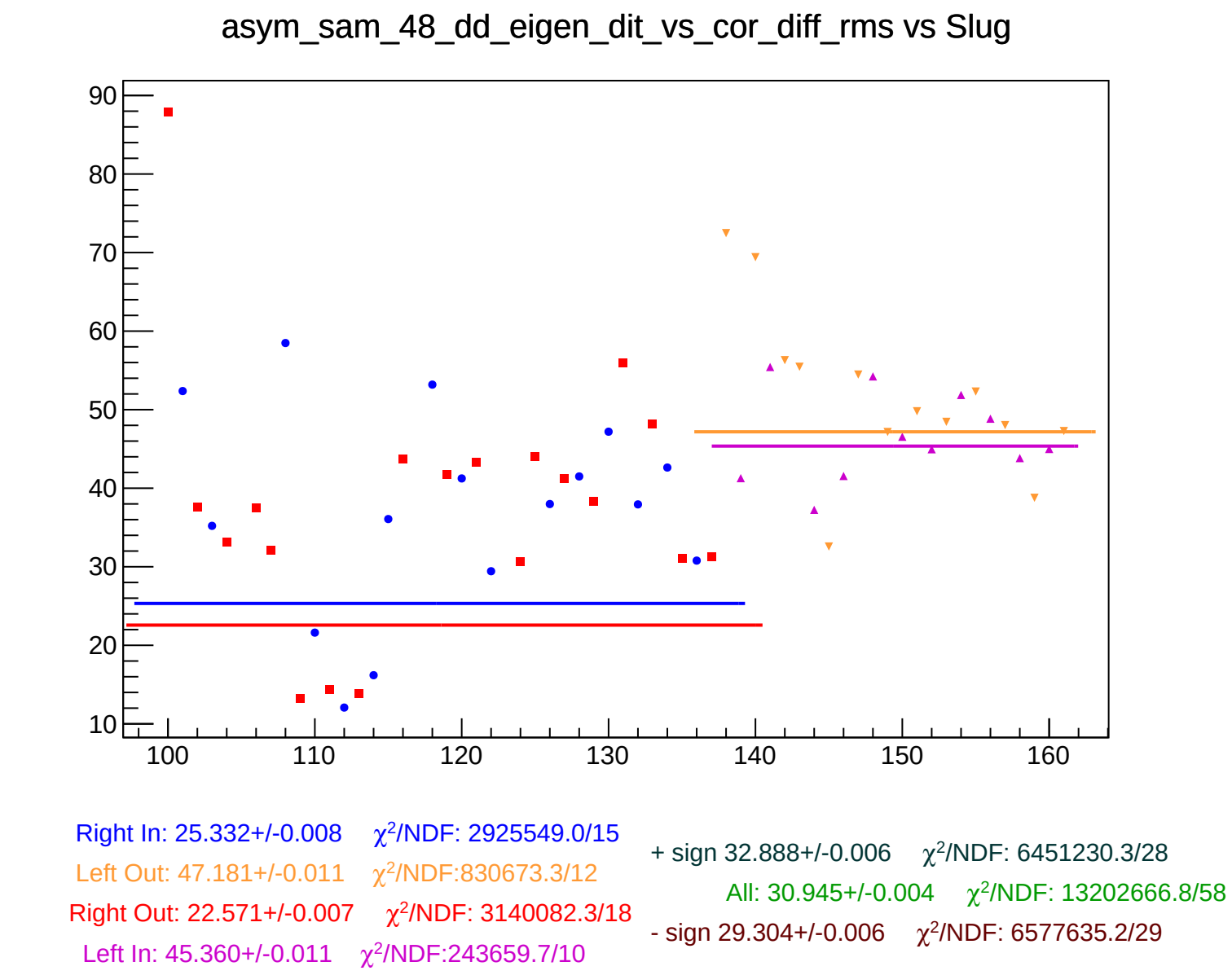
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

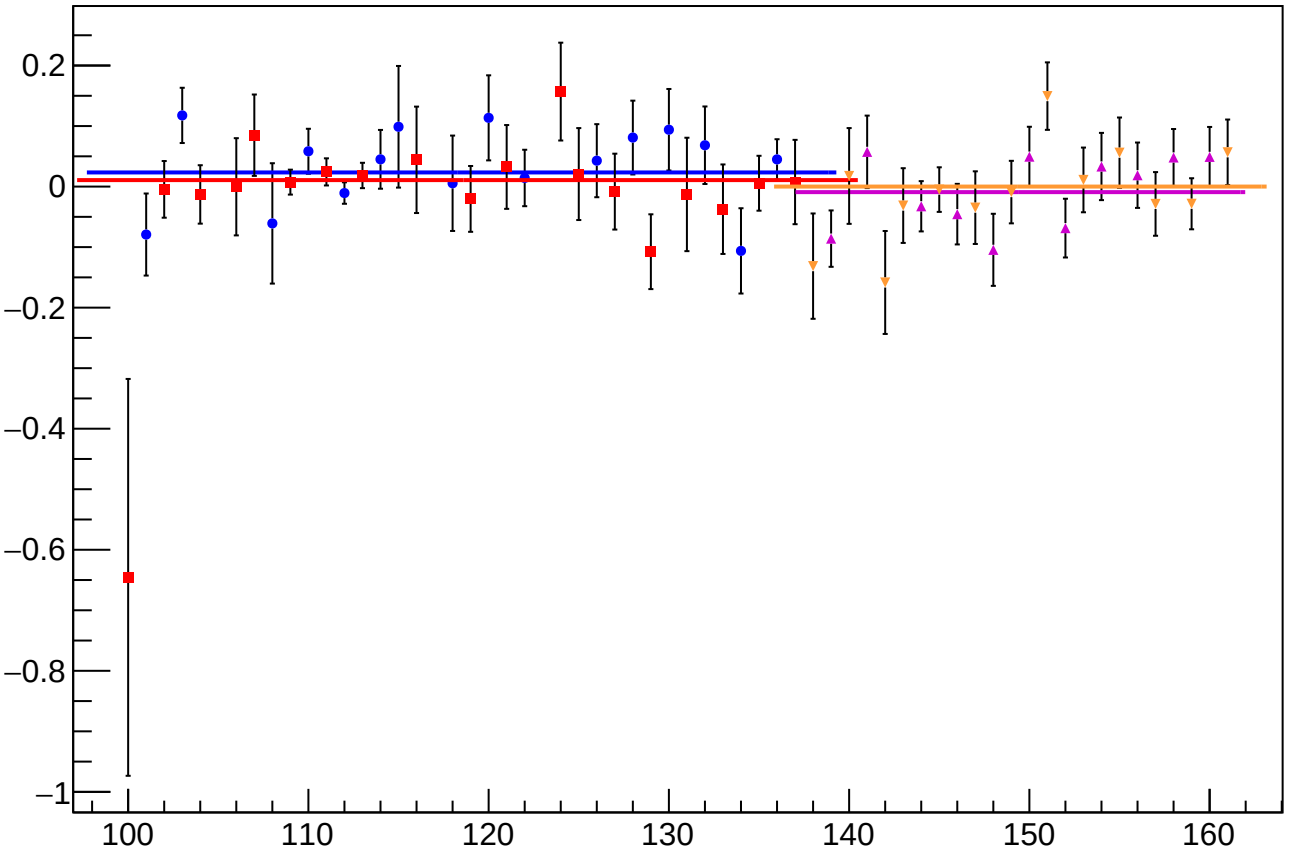
Left In: -0.009+/-0.015 χ^2/NDF:14.0/10

+ sign 0.015+/-0.009 χ^2/NDF: 38.7/28

All: 0.010+/-0.006 χ^2/NDF: 68.9/58

- sign 0.005+/-0.008 χ^2/NDF: 29.4/29


asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 25.332+/-0.008 χ²/NDF: 2925549.0/15
Left Out: 47.181+/-0.011 χ²/NDF:830673.3/12
Right Out: 22.571+/-0.007 χ²/NDF: 3140082.3/18
Left In: 45.360+/-0.011 χ²/NDF:243659.7/10
+ sign 32.888+/-0.006 χ²/NDF: 6451230.3/28
All: 30.945+/-0.004 χ²/NDF: 13202666.8/58
- sign 29.304+/-0.006 χ²/NDF: 6577635.2/29



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.000+/-0.015 χ^2/NDF:16.5/12

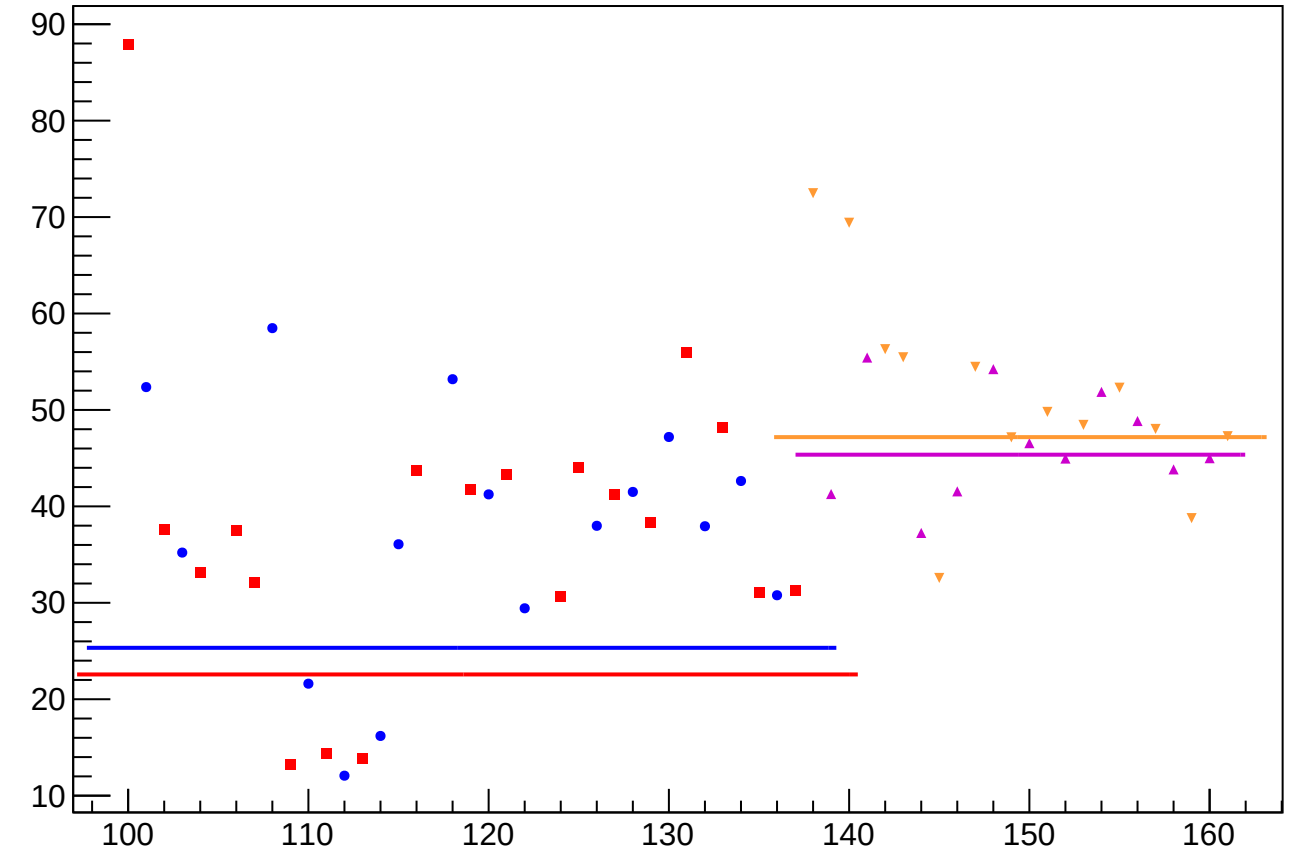
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.009+/-0.015 χ^2/NDF:14.0/10

+ sign 0.015+/-0.009 χ^2/NDF: 38.7/28

All: 0.010+/-0.006 χ^2/NDF: 68.9/58

- sign 0.005+/-0.008 χ^2/NDF: 29.4/29



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.181+/-0.011 χ^2/NDF:830673.3/12

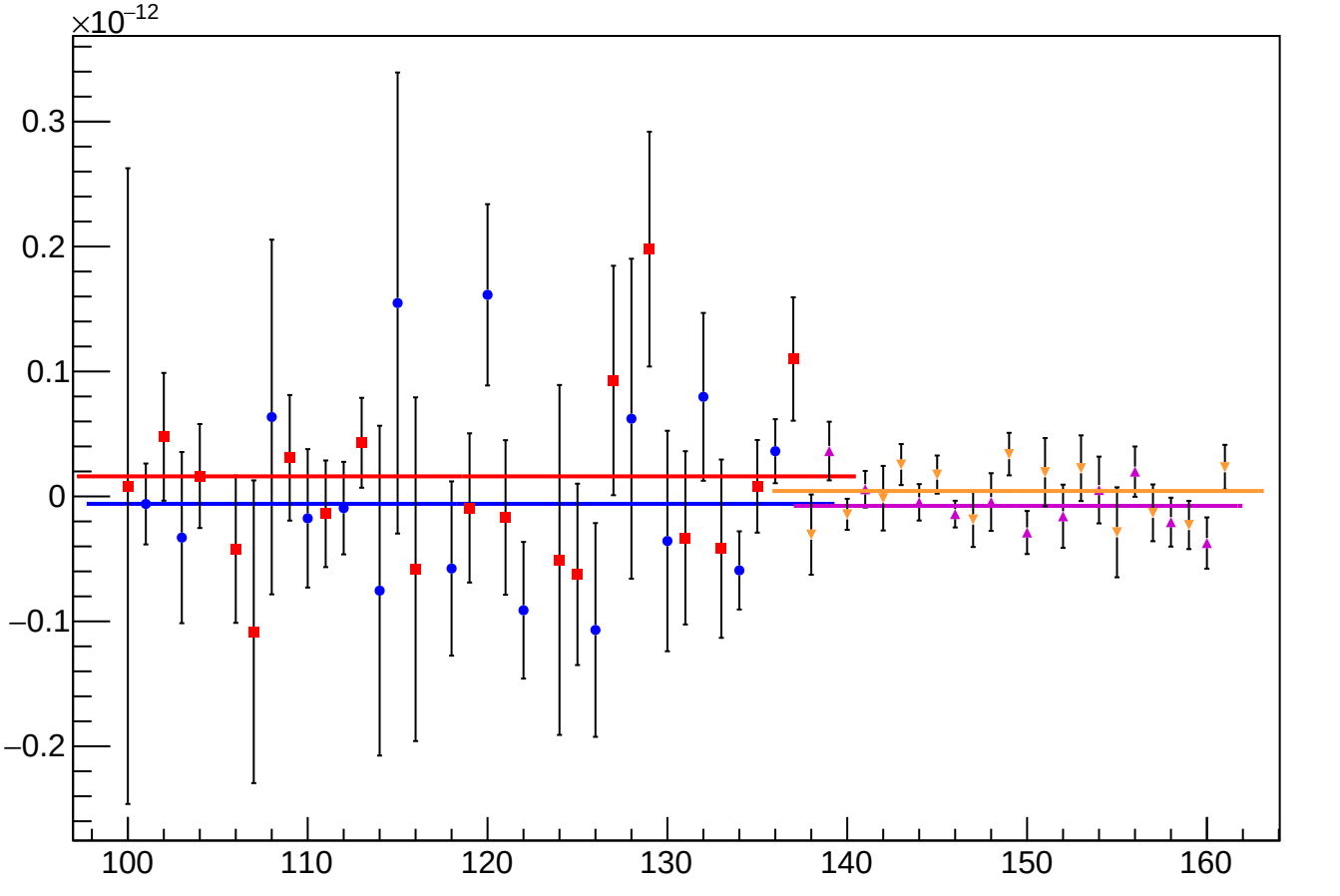
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.360+/-0.011 χ^2/NDF:243659.7/10

+ sign 32.888+/-0.006 χ^2/NDF: 6451230.3/28

All: 30.945+/-0.004 χ^2/NDF: 13202666.8/58

- sign 29.304+/-0.006 χ^2/NDF: 6577635.2/29



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/12

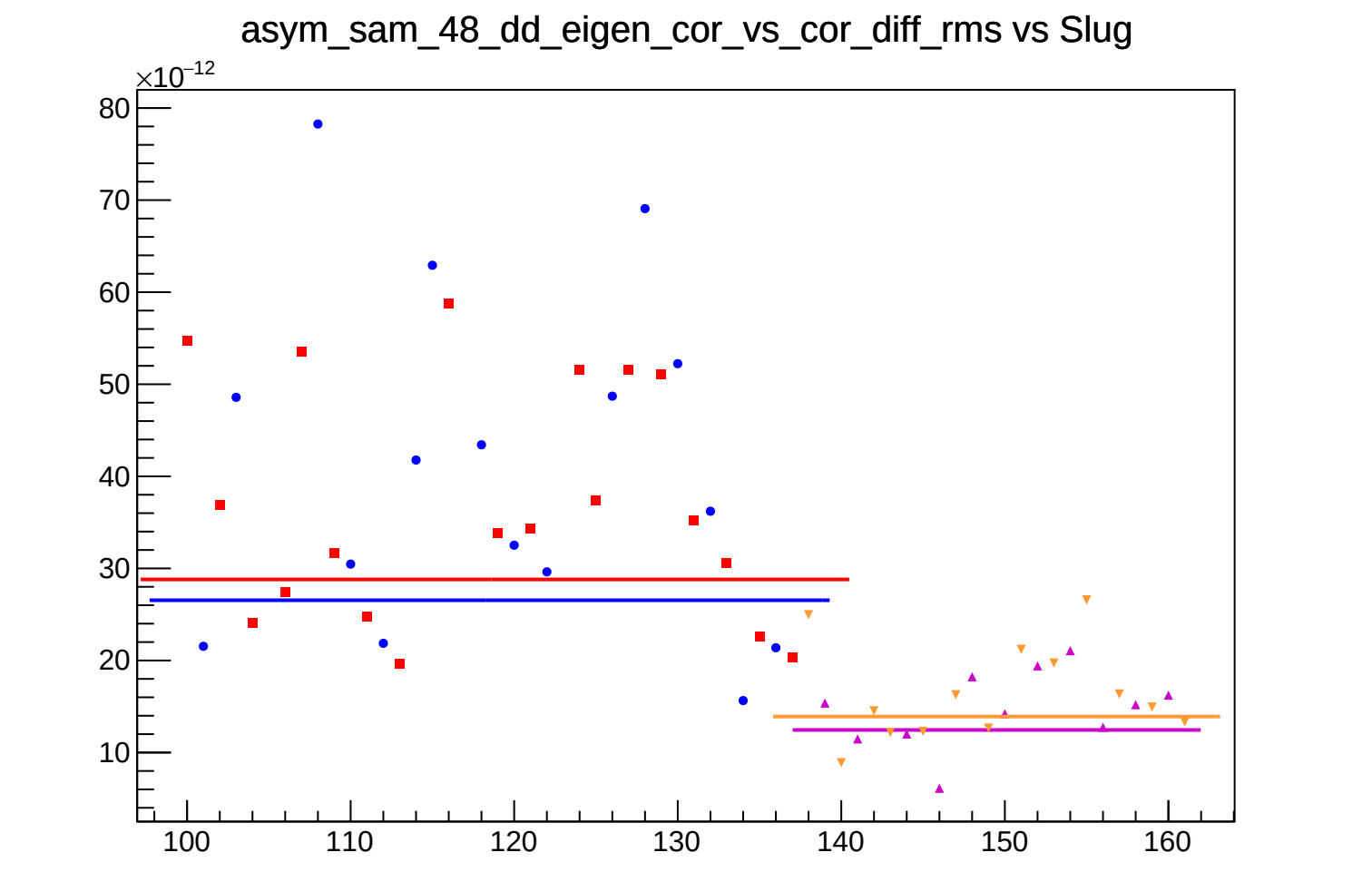
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/28

All: -0.000+/-0.000 χ^2/NDF: 64.4/58

- sign -0.000+/-0.000 χ^2/NDF: 28.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1162394.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

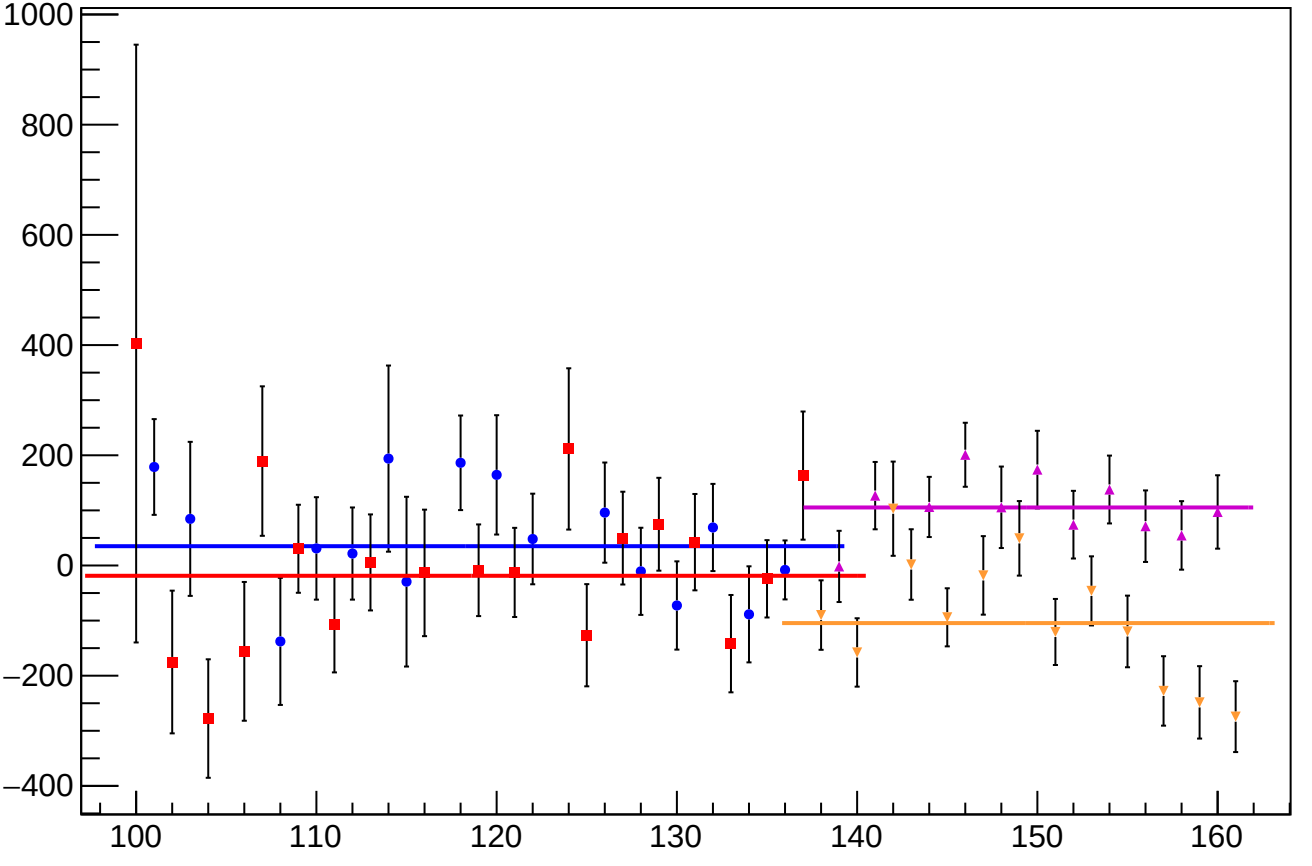
Left In: 0.000+/-0.000 χ^2/NDF:1356492.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 4523365.8/28

All: 0.000+/-0.000 χ^2/NDF: 9455807.9/58

- sign 0.000+/-0.000 χ^2/NDF: 4876829.1/29

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -104.528+/-17.783 χ^2/NDF:32.7/12

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

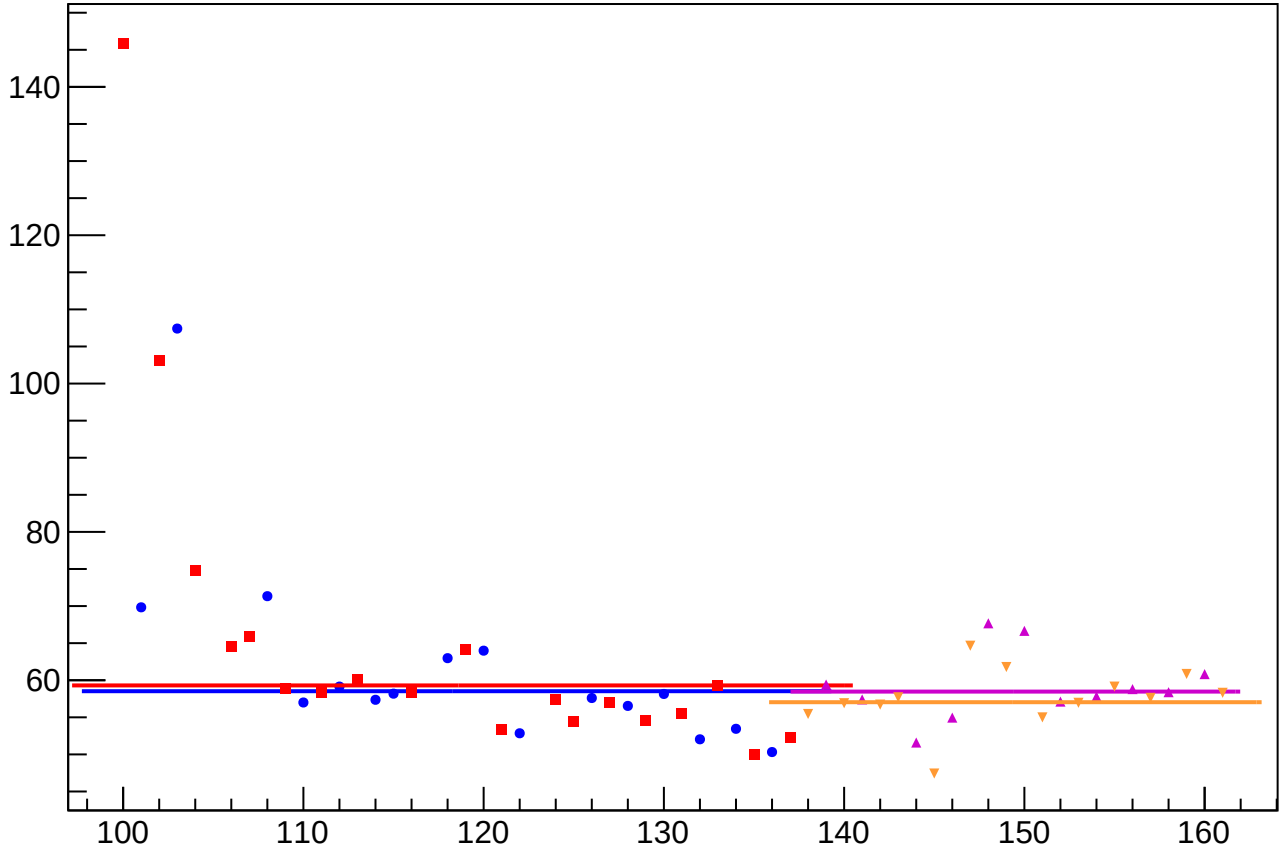
Left In: 105.297+/-18.987 χ^2/NDF:8.0/10

+ sign -49.786+/-13.863 χ^2/NDF: 73.1/28

All: -0.511+/-9.991 χ^2/NDF: 148.9/58

- sign 52.743+/-14.412 χ^2/NDF: 49.6/29

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 57.039+/-0.013 χ^2/NDF:112864.7/12

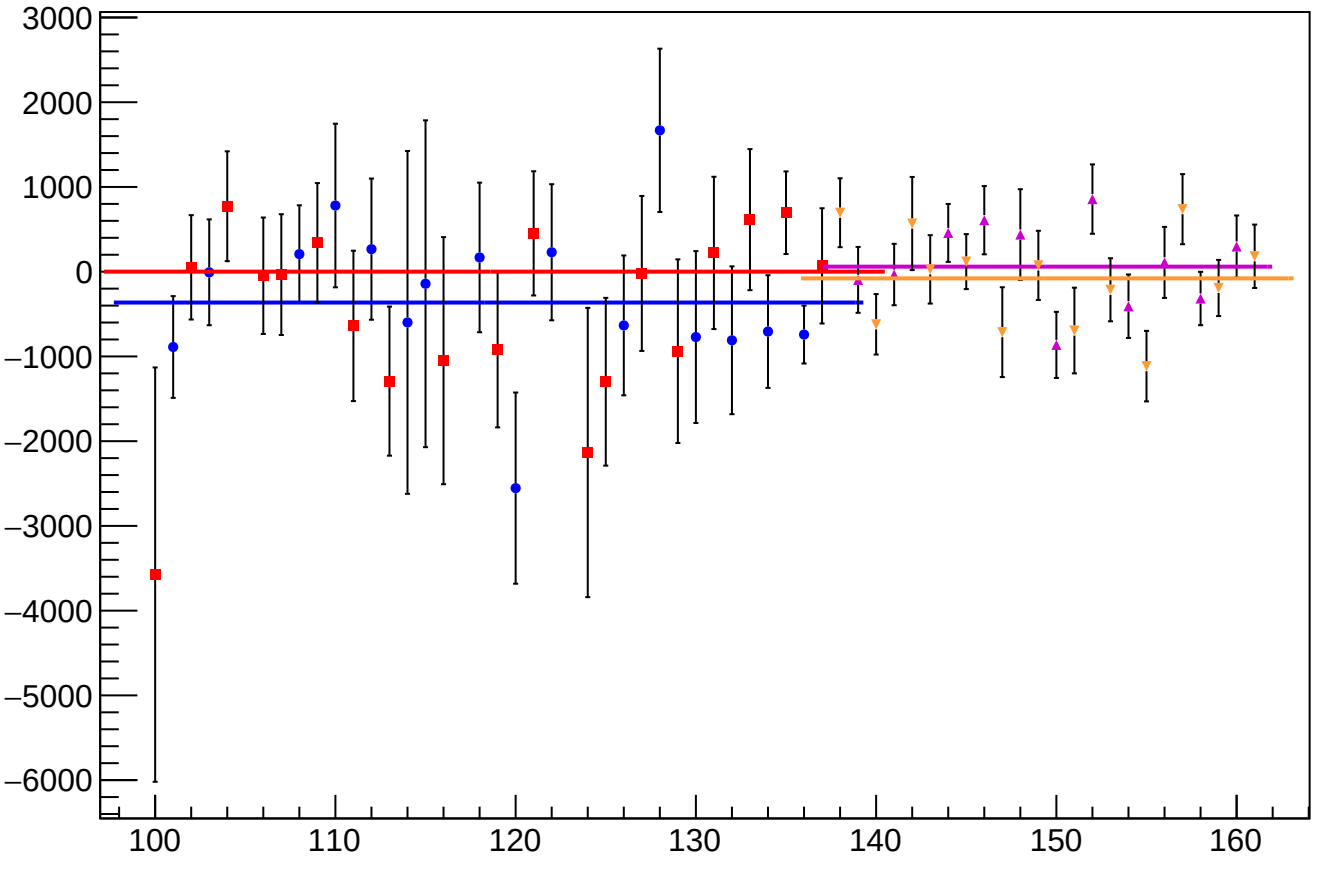
Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.469+/-0.013 χ^2/NDF:101782.7/10

\+ sign 57.621+/-0.010 χ^2/NDF: 511061.7/28

All: 58.198+/-0.007 χ^2/NDF: 1028302.3/58

\- sign 58.822+/-0.010 χ^2/NDF: 510021.6/29



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -78.728+/-110.844 χ^2/NDF:21.7/12

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

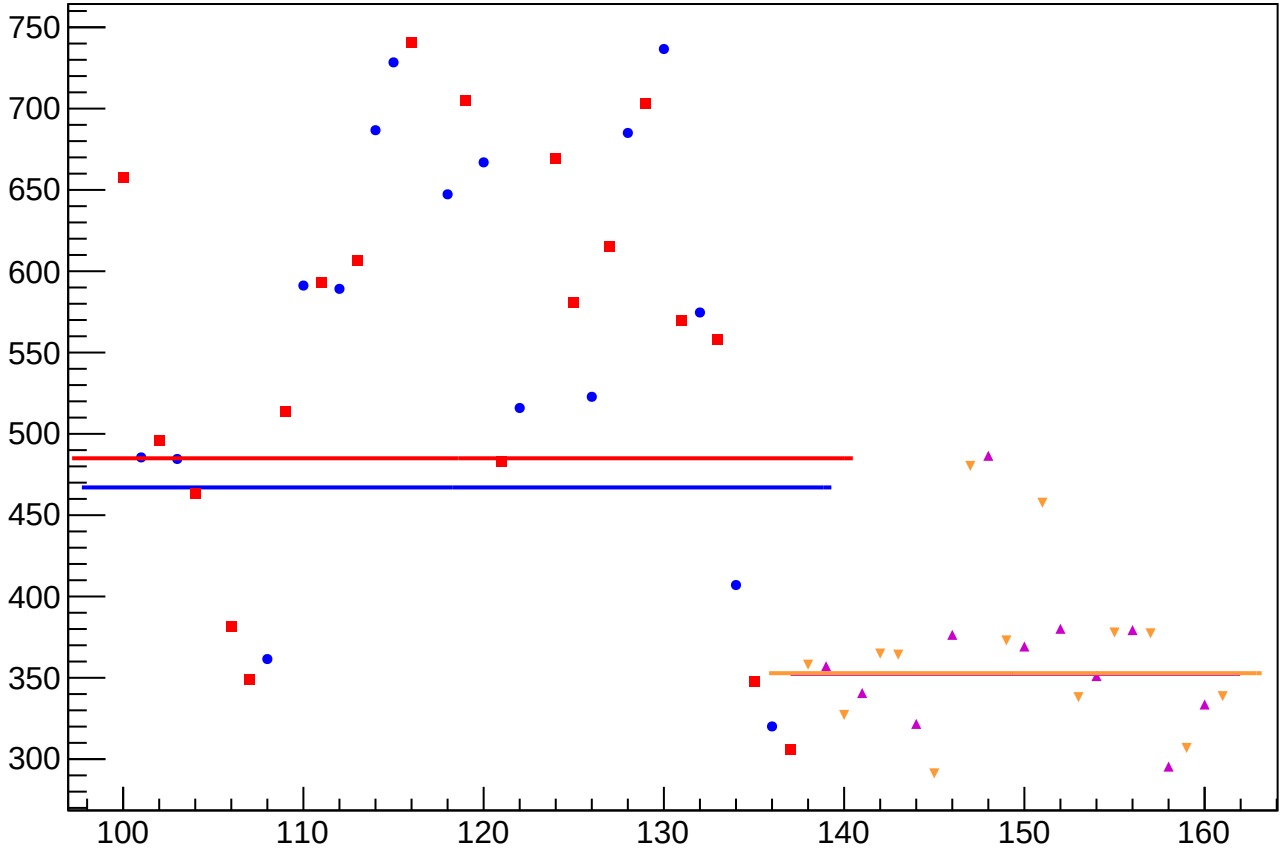
Left In: 59.525+/-115.169 χ^2/NDF:16.8/10

+ sign -156.805+/-94.470 χ^2/NDF: 38.7/28

All: -60.132+/-67.841 χ^2/NDF: 72.8/58

- sign 42.811+/-97.485 χ^2/NDF: 31.9/29

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 352.844+/-0.078 χ^2/NDF:350517.1/12

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

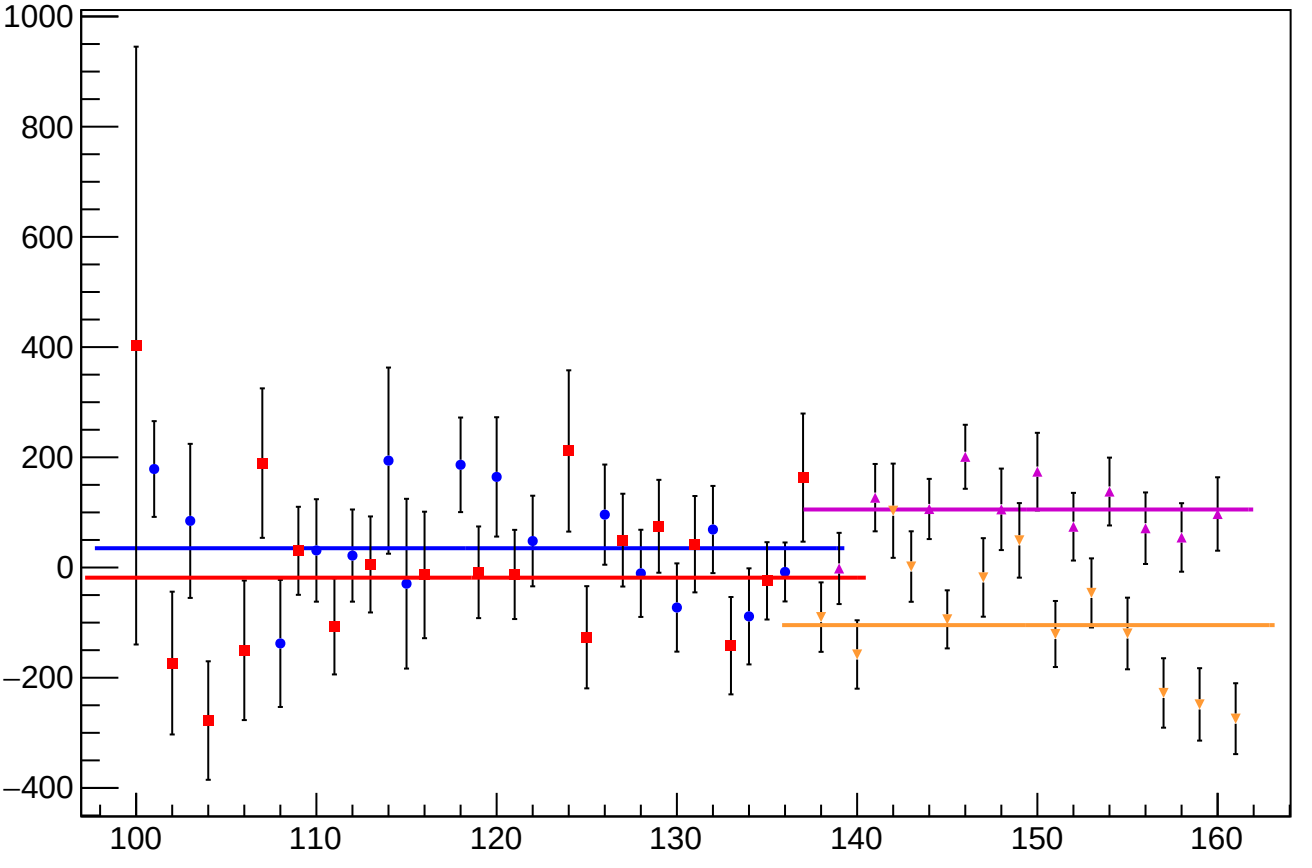
Left In: 352.398+/-0.081 χ^2/NDF:243471.6/10

+ sign 384.098+/-0.067 χ^2/NDF: 1961923.8/28

All: 386.950+/-0.048 χ^2/NDF: 3834733.9/58

- sign 389.987+/-0.069 χ^2/NDF: 1869046.1/29

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -104.525+/-17.783 χ^2/NDF:32.7/12

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

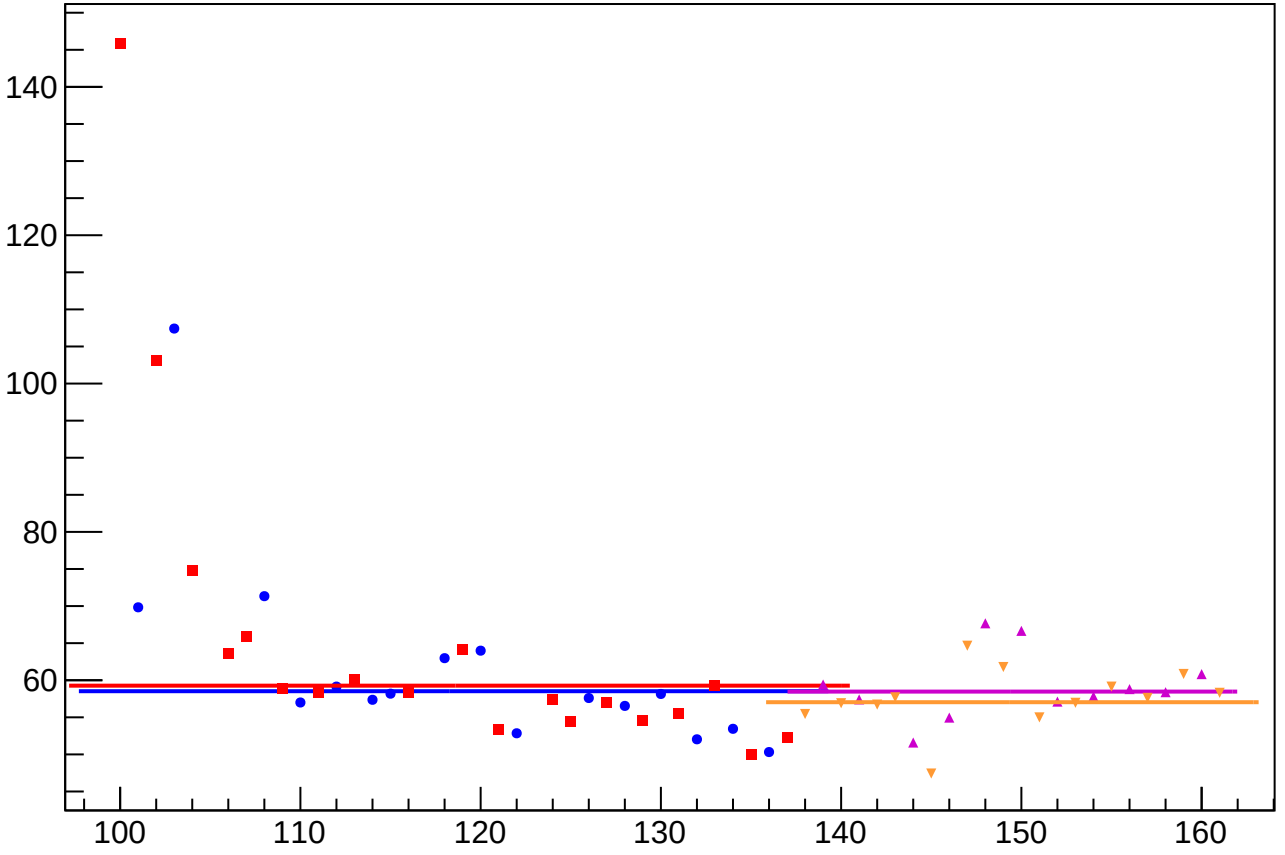
Left In: 105.298+/-18.987 χ^2/NDF:8.0/10

+ sign -49.785+/-13.863 χ^2/NDF: 73.0/28

All: -0.453+/-9.992 χ^2/NDF: 148.8/58

- sign 52.871+/-14.413 χ^2/NDF: 49.4/29

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.039+/-0.013 χ^2/NDF:112864.7/12

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

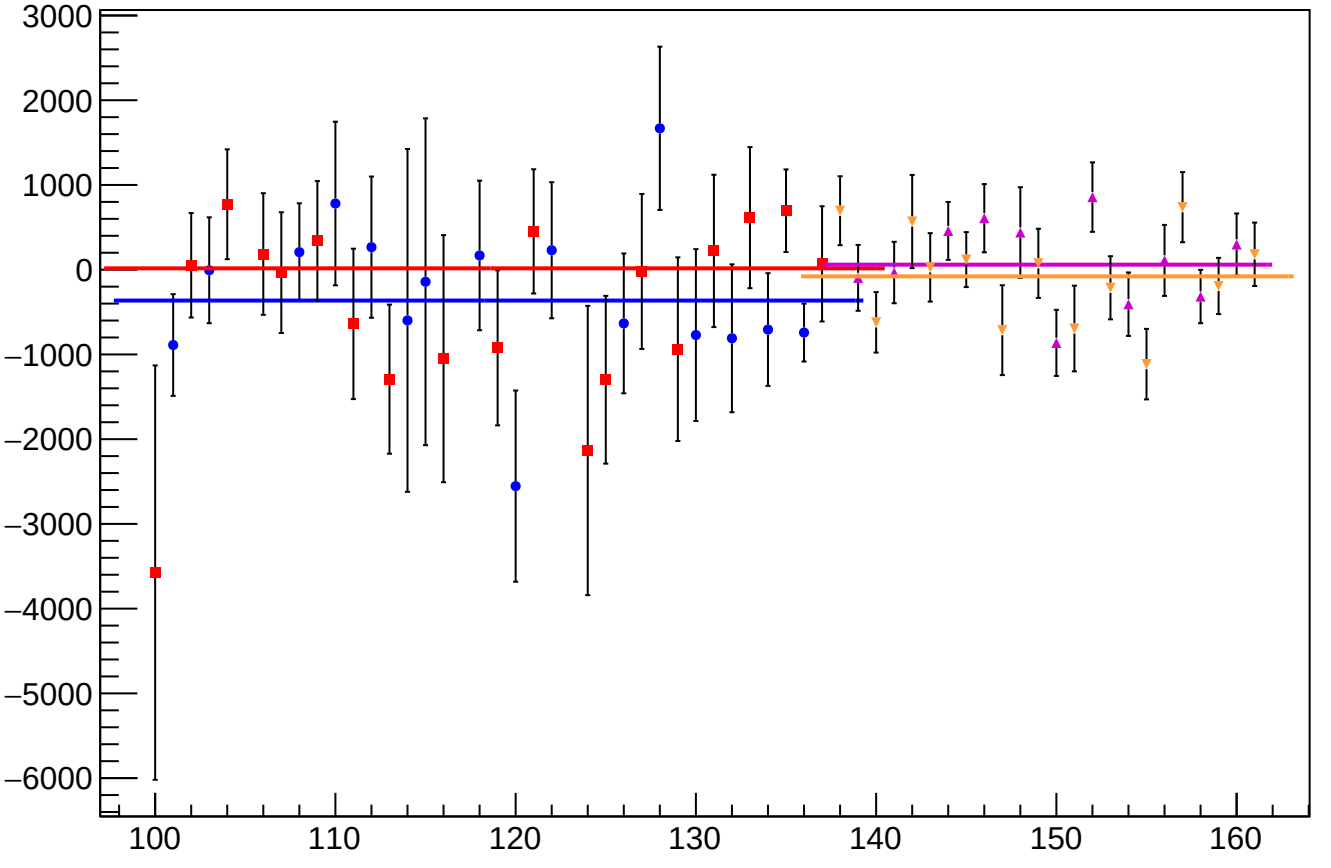
Left In: 58.469+/-0.013 χ^2/NDF:101782.7/10

\+ sign 57.621+/-0.010 χ^2/NDF: 511063.8/28

All: 58.191+/-0.007 χ^2/NDF: 1027024.1/58

\- sign 58.808+/-0.010 χ^2/NDF: 508904.0/29

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -78.727+/-110.844 χ^2/NDF:21.7/12

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

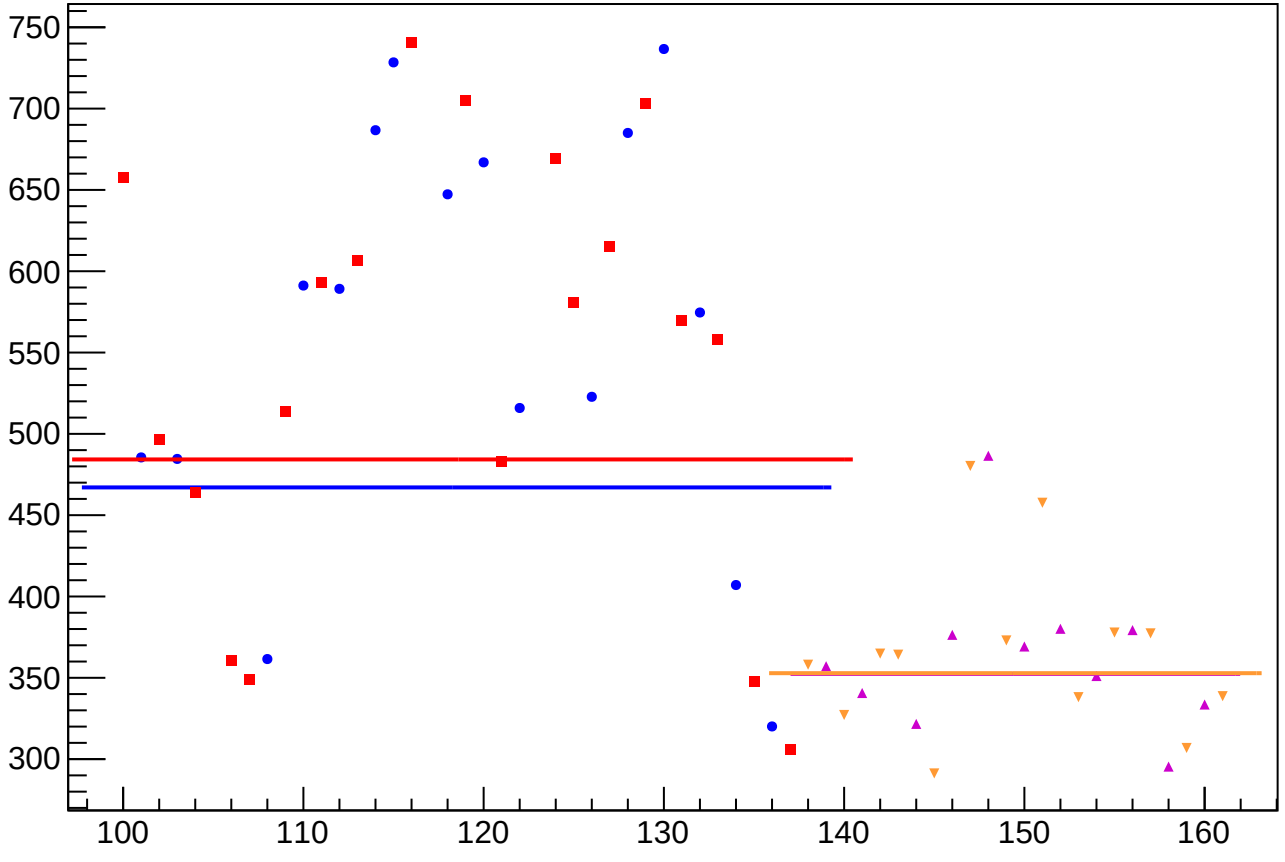
Left In: 59.524+/-115.169 χ^2/NDF:16.8/10

+ sign -156.793+/-94.470 χ^2/NDF: 38.7/28

All: -58.058+/-67.870 χ^2/NDF: 72.9/58

- sign 47.264+/-97.570 χ^2/NDF: 31.9/29

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 352.844+/-0.078 χ^2/NDF:350517.9/12

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

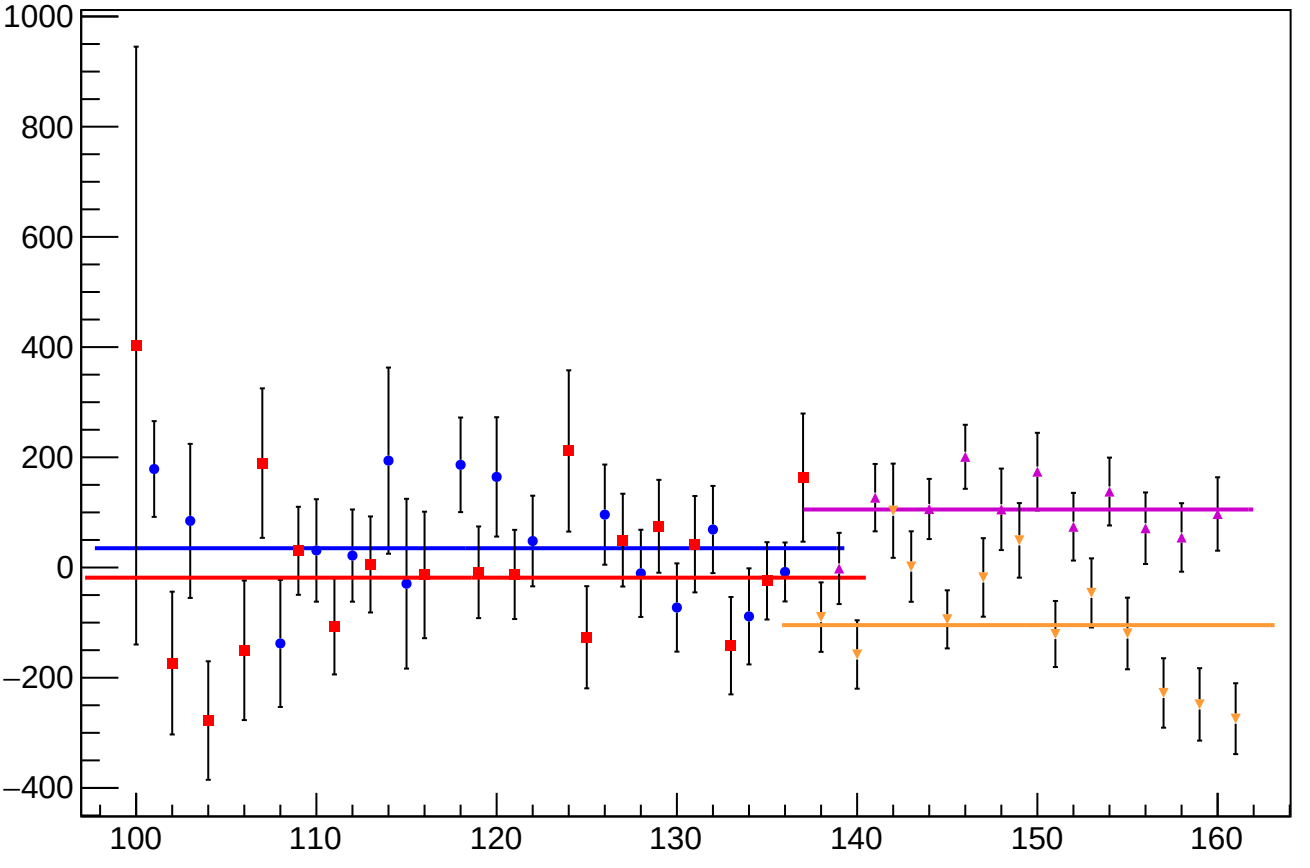
Left In: 352.398+/-0.081 χ^2/NDF:243471.9/10

\+ sign 384.098+/-0.067 χ^2/NDF: 1961948.2/28

All: 386.771+/-0.048 χ^2/NDF: 3837712.7/58

\- sign 389.621+/-0.069 χ^2/NDF: 1872456.7/29

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -104.525+/-17.783 χ^2/NDF:32.7/12

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

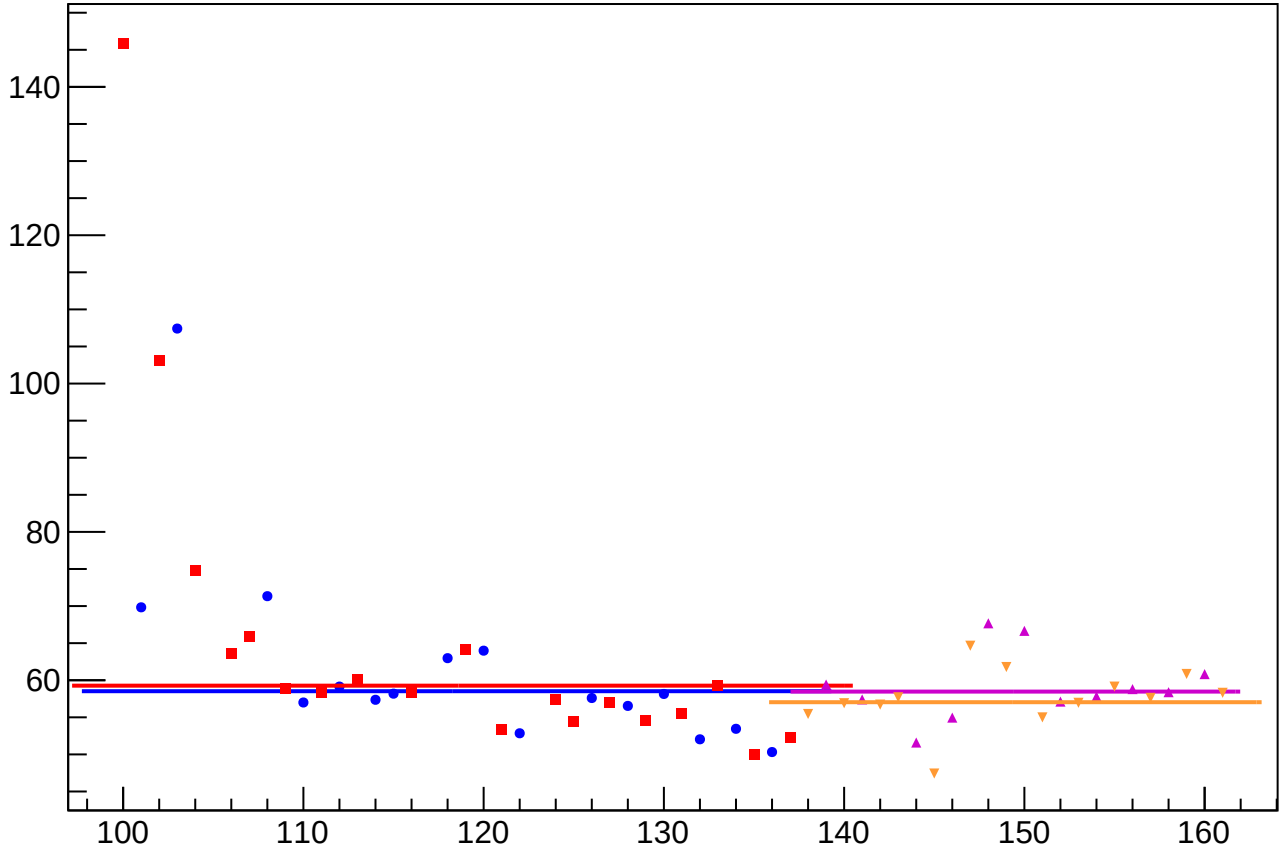
Left In: 105.298+/-18.987 χ^2/NDF:8.0/10

+ sign -49.785+/-13.863 χ^2/NDF: 73.0/28

All: -0.453+/-9.992 χ^2/NDF: 148.8/58

- sign 52.871+/-14.413 χ^2/NDF: 49.4/29

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.039+/-0.013 χ^2/NDF:112864.7/12

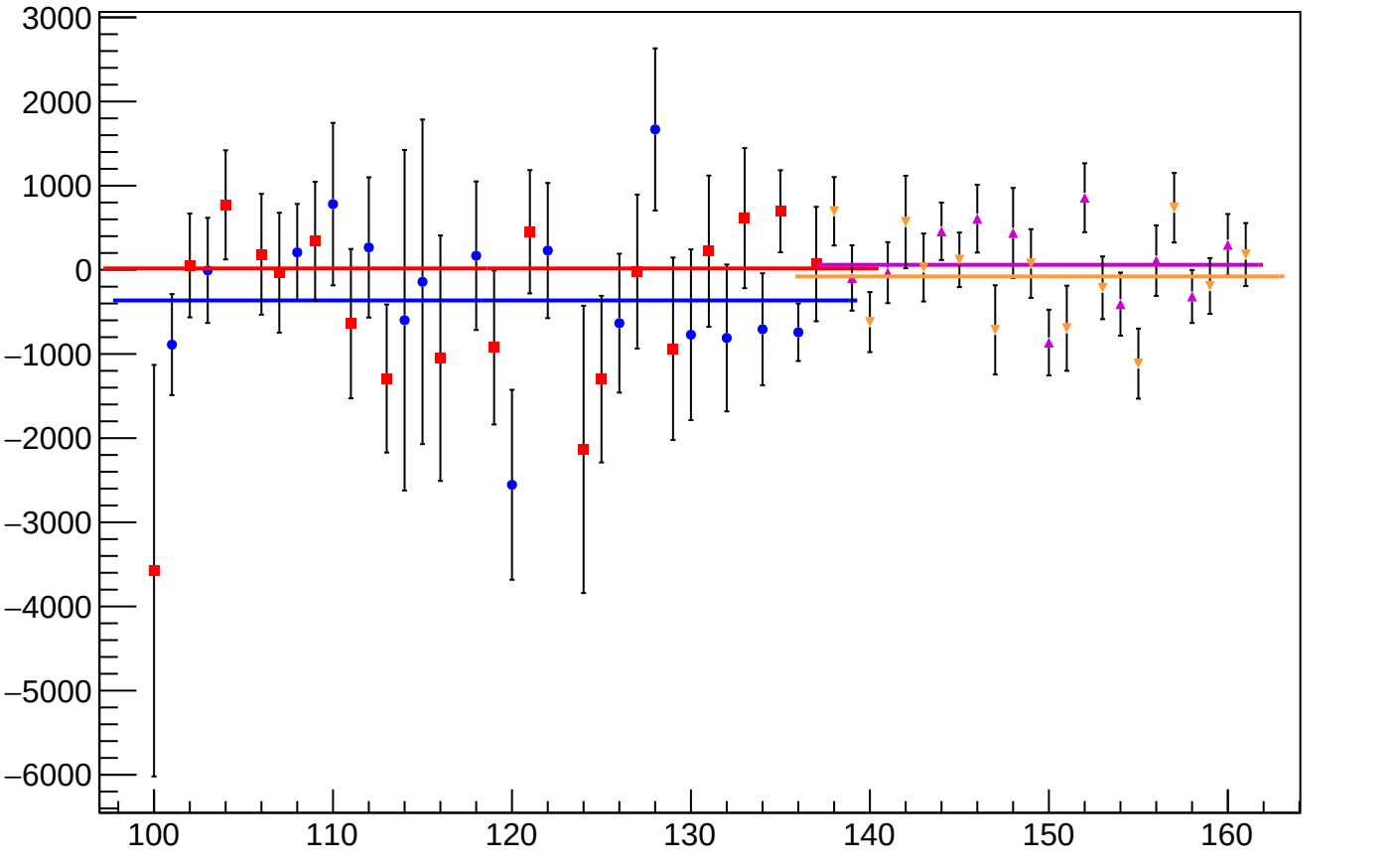
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.469+/-0.013 χ^2/NDF:101782.7/10

+ sign 57.621+/-0.010 χ^2/NDF: 511063.8/28

All: 58.191+/-0.007 χ^2/NDF: 1027024.1/58

- sign 58.808+/-0.010 χ^2/NDF: 508904.0/29



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -78.727+/-110.844 χ^2/NDF:21.7/12

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

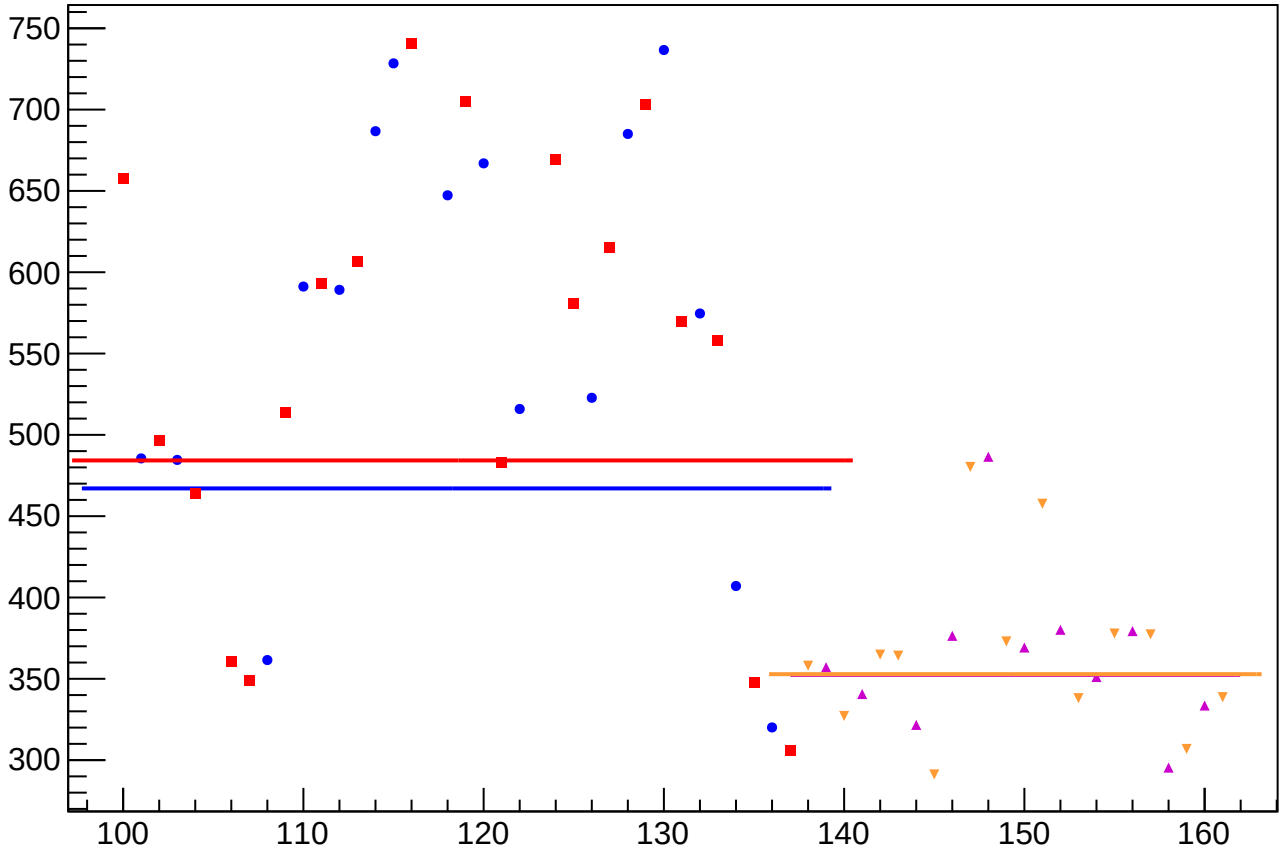
Left In: 59.524+/-115.169 χ^2/NDF:16.8/10

+ sign -156.793+/-94.470 χ^2/NDF: 38.7/28

All: -58.058+/-67.870 χ^2/NDF: 72.9/58

- sign 47.264+/-97.570 χ^2/NDF: 31.9/29

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 352.844+/-0.078 χ^2/NDF:350517.9/12

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

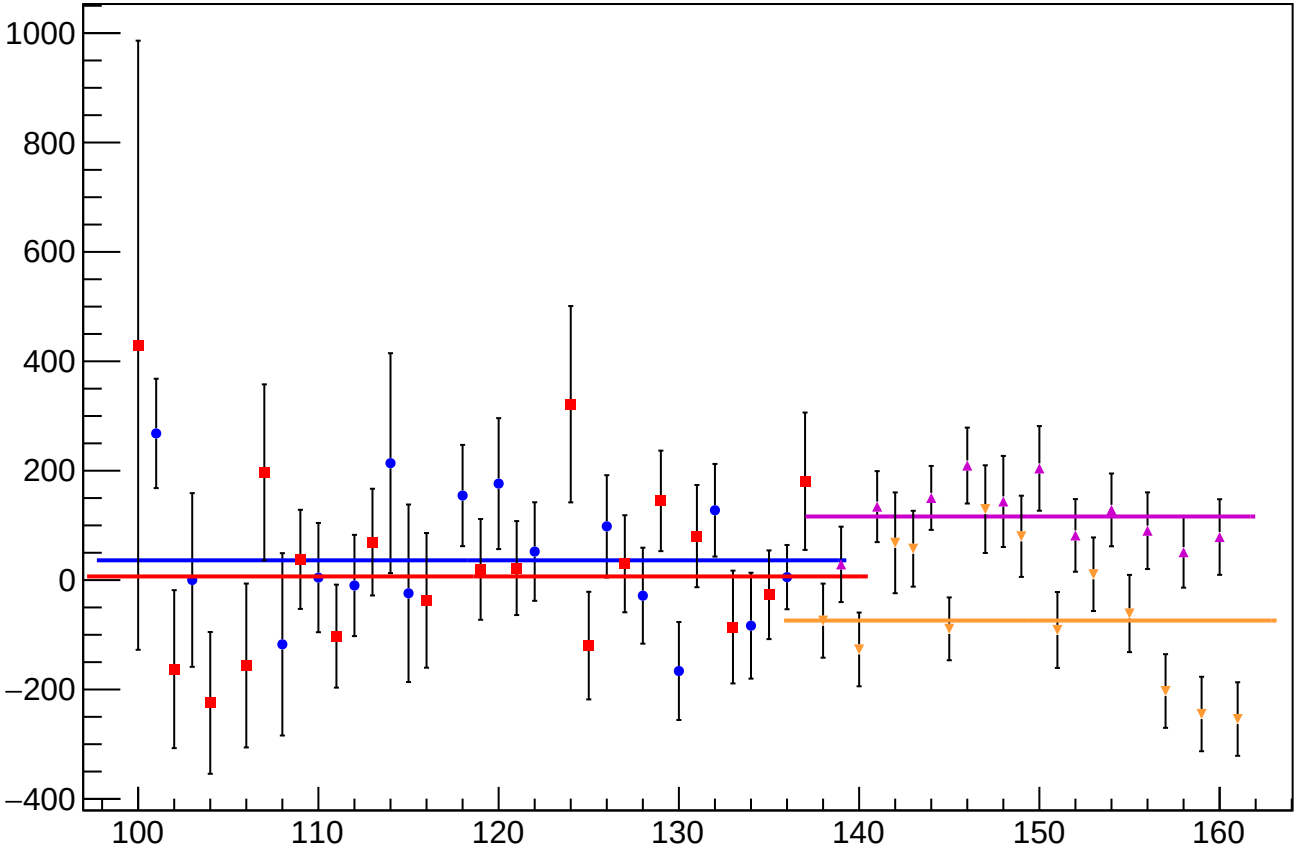
Left In: 352.398+/-0.081 χ^2/NDF:243471.9/10

\+ sign 384.098+/-0.067 χ^2/NDF: 1961948.2/28

All: 386.771+/-0.048 χ^2/NDF: 3837712.7/58

\- sign 389.621+/-0.069 χ^2/NDF: 1872456.7/29

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -73.921+/-19.278 χ^2/NDF:36.2/12

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

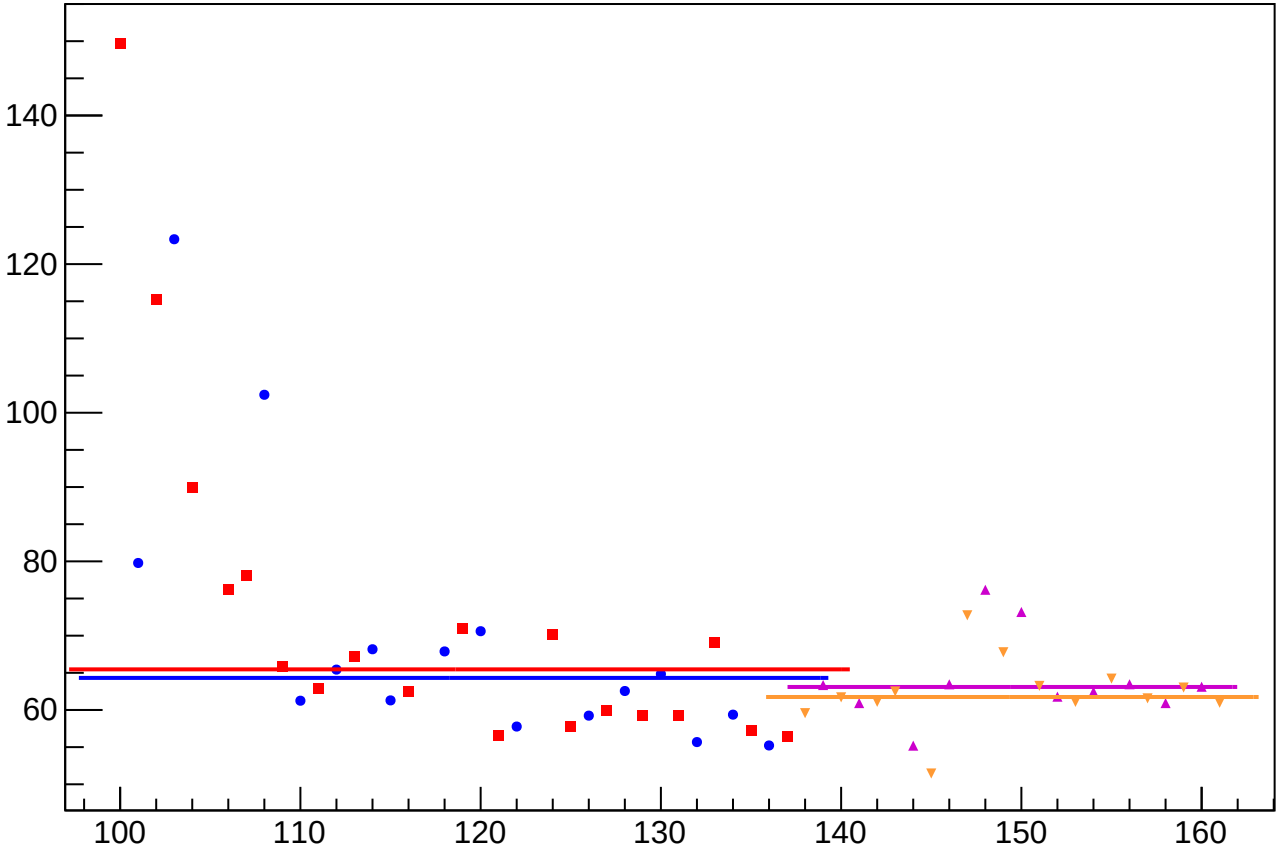
Left In: 116.297+/-20.574 χ^2/NDF:7.0/10

\+ sign -31.769+/-15.143 χ^2/NDF: 68.3/28

All: 17.584+/-10.924 χ^2/NDF: 129.5/58

\- sign 71.127+/-15.773 χ^2/NDF: 39.0/29

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.747+/-0.014 χ^2/NDF:121962.8/12

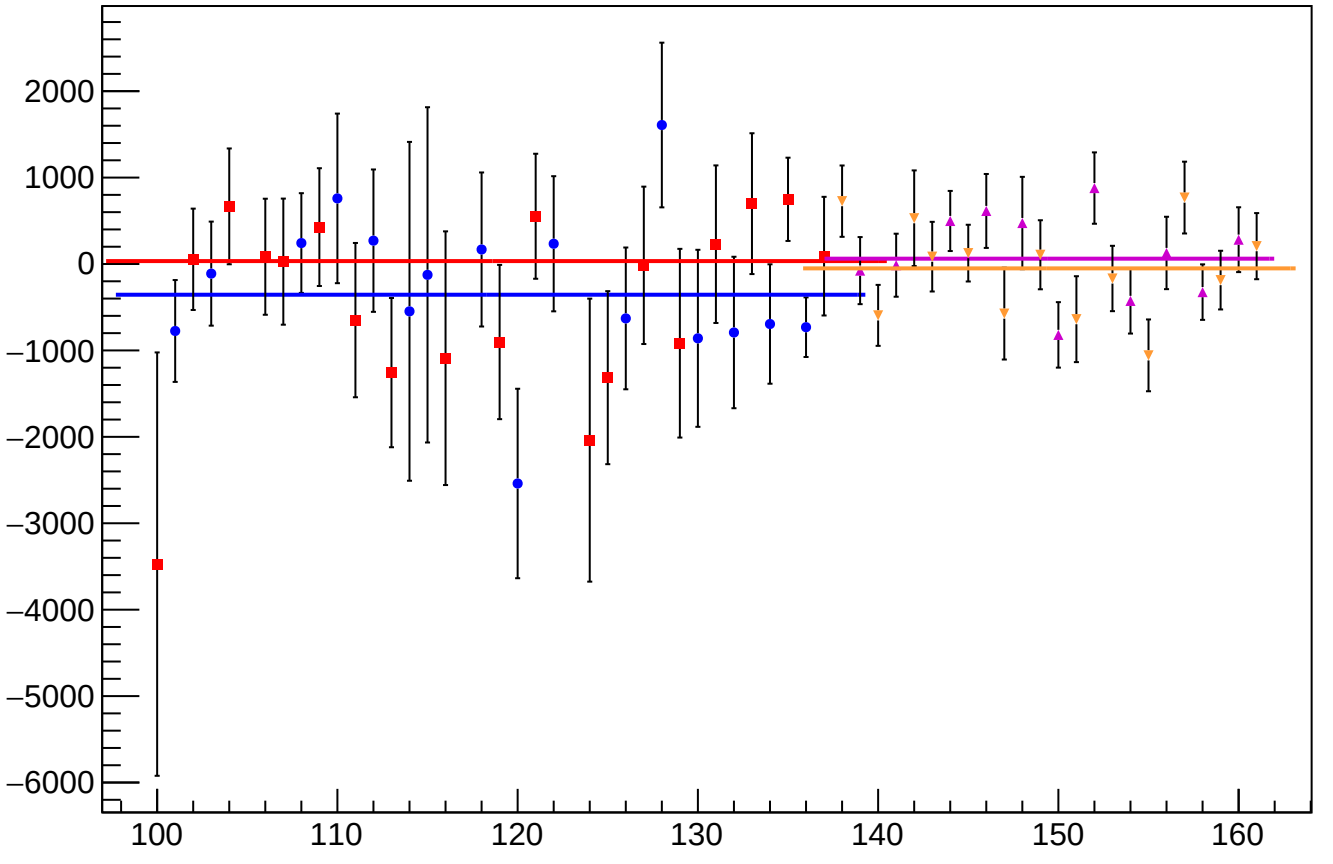
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.097+/-0.015 χ^2/NDF:125412.8/10

+ sign 62.731+/-0.011 χ^2/NDF: 667627.3/28

All: 63.375+/-0.008 χ^2/NDF: 1293872.9/58

- sign 64.074+/-0.011 χ^2/NDF: 618703.2/29



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -50.628+/-111.425 χ^2/NDF:20.4/12

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

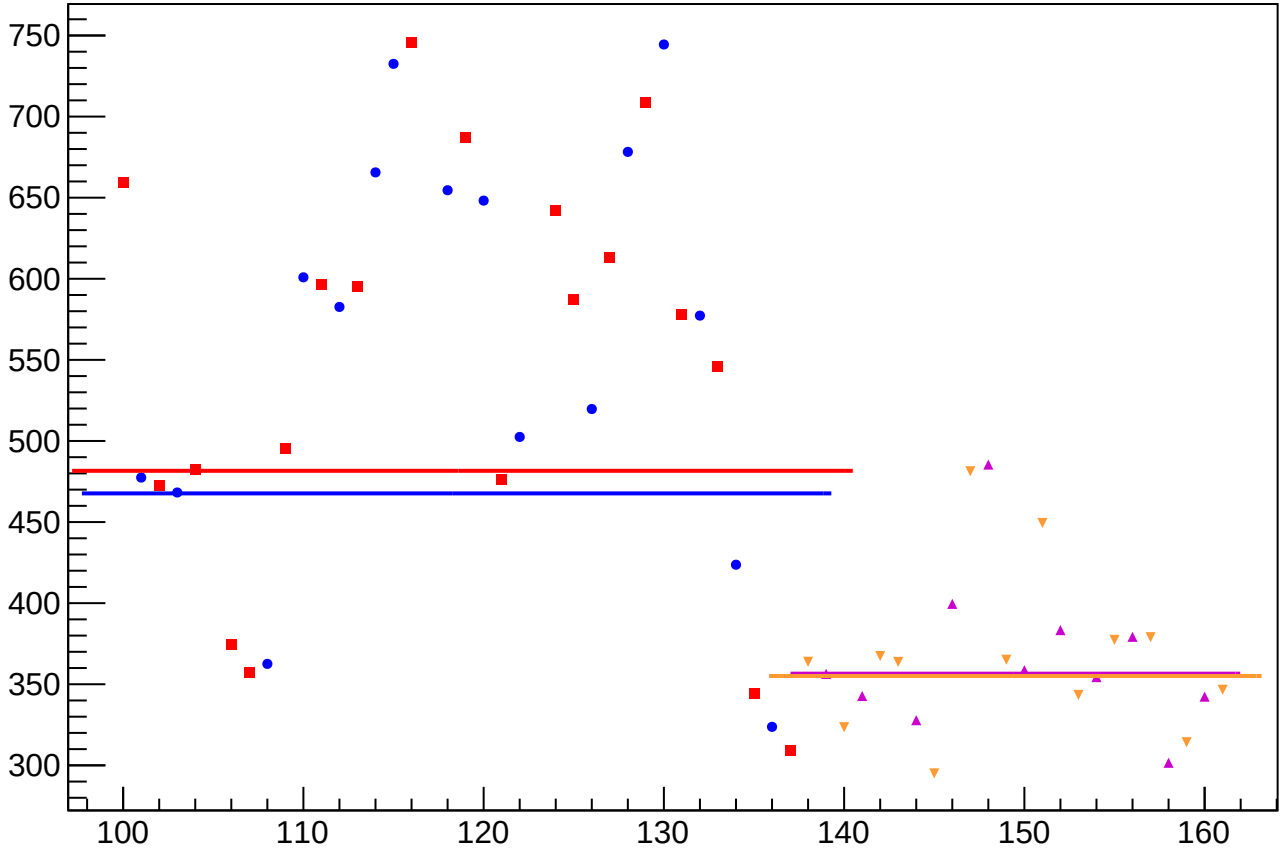
Left In: 61.656+/-116.458 χ^2/NDF:16.8/10

+ sign -134.870+/-94.790 χ^2/NDF: 37.3/28

All: -43.829+/-68.142 χ^2/NDF: 71.4/58

- sign 53.532+/-98.025 χ^2/NDF: 32.2/29

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 355.081+/-0.079 χ^2/NDF:316171.1/12

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

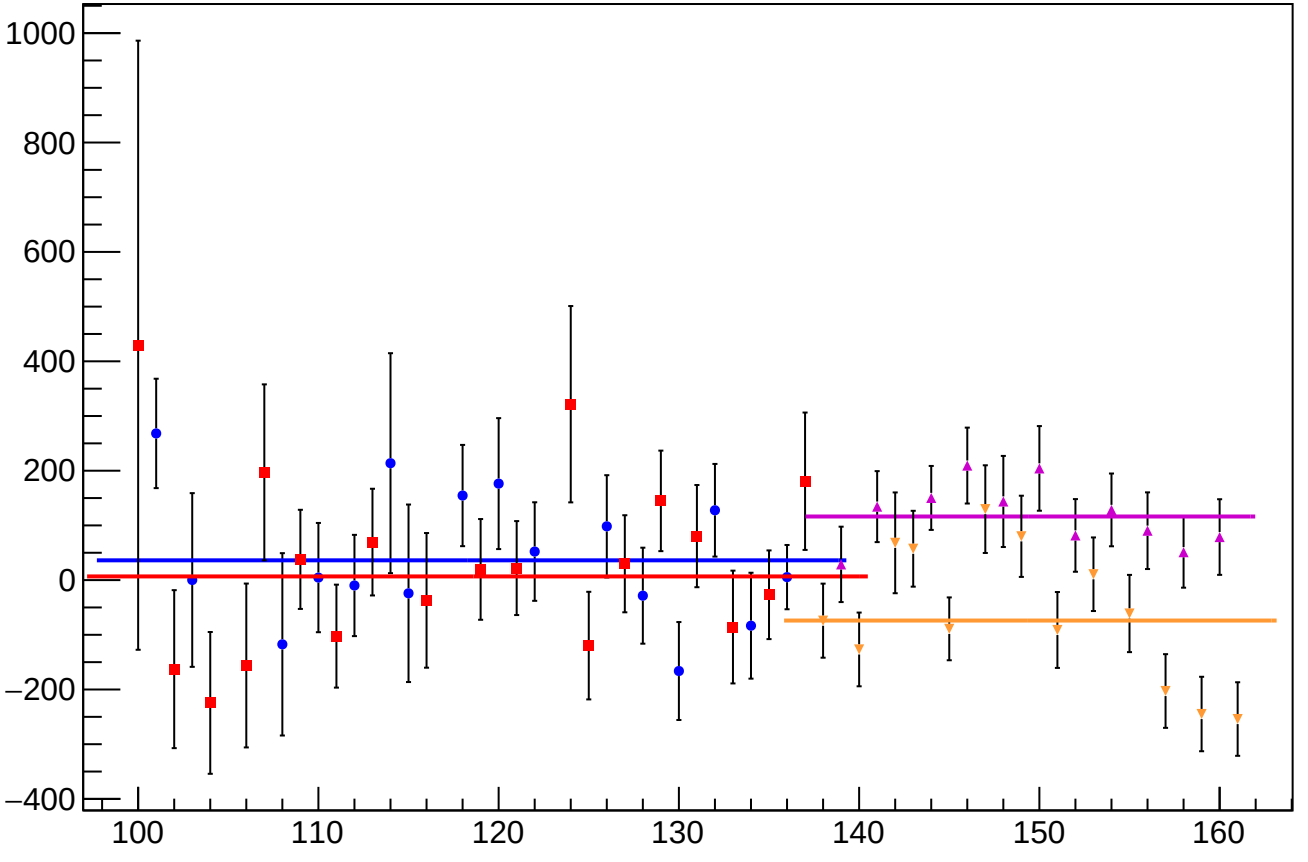
Left In: 356.522+/-0.082 χ^2/NDF:229002.0/10

+ sign 386.190+/-0.067 χ^2/NDF: 1866347.2/28

All: 389.472+/-0.048 χ^2/NDF: 3627080.0/58

- sign 392.982+/-0.069 χ^2/NDF: 1755771.1/29

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -73.920+/-19.278 χ^2/NDF:36.2/12

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

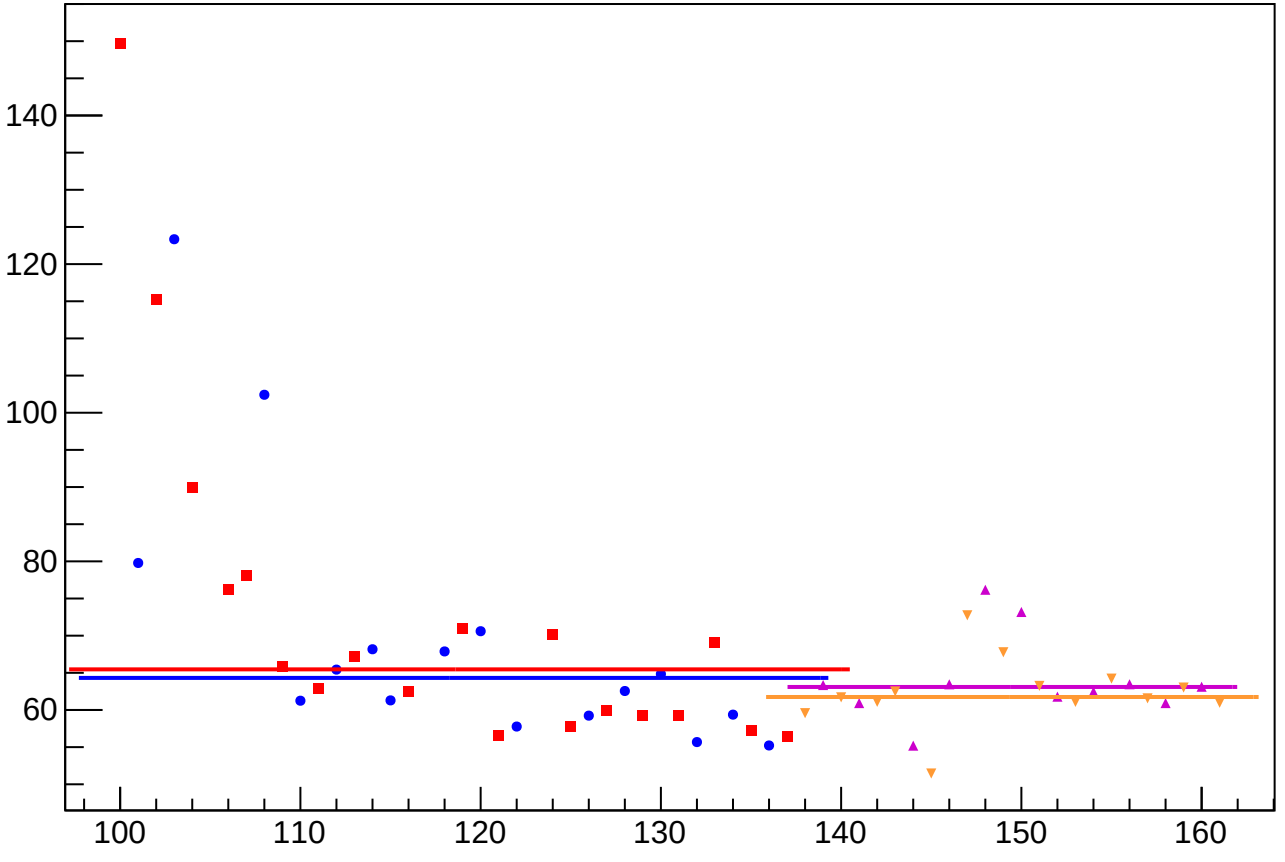
Left In: 116.297+/-20.574 χ^2/NDF:7.0/10

\+ sign -31.768+/-15.143 χ^2/NDF: 68.3/28

All: 17.585+/-10.924 χ^2/NDF: 129.5/58

\- sign 71.127+/-15.773 χ^2/NDF: 39.0/29

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.748+/-0.014 χ^2/NDF:121966.1/12

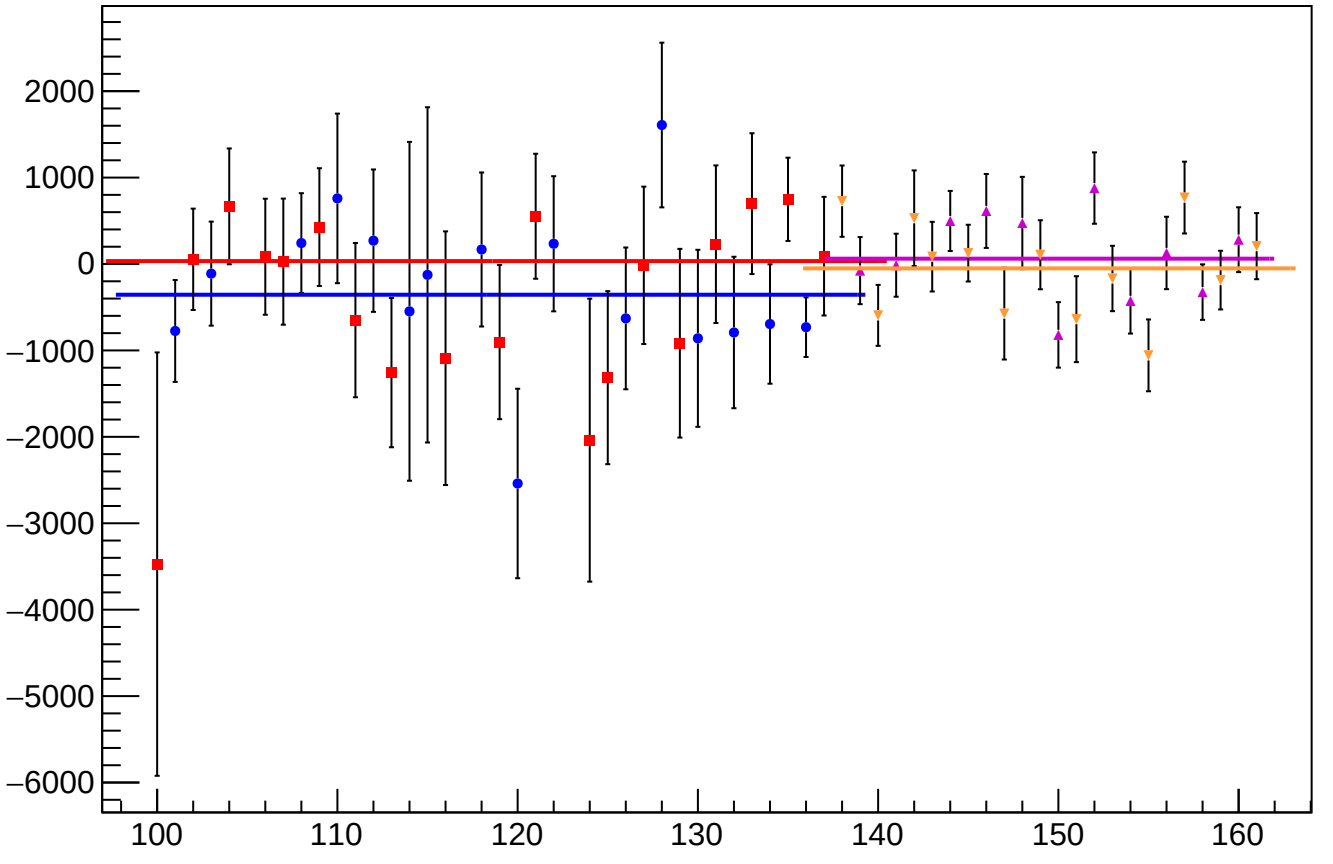
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.097+/-0.015 χ^2/NDF:125415.2/10

+ sign 62.731+/-0.011 χ^2/NDF: 667637.1/28

All: 63.375+/-0.008 χ^2/NDF: 1293889.7/58

- sign 64.074+/-0.011 χ^2/NDF: 618710.0/29



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -50.627+/-111.425 χ^2/NDF:20.4/12

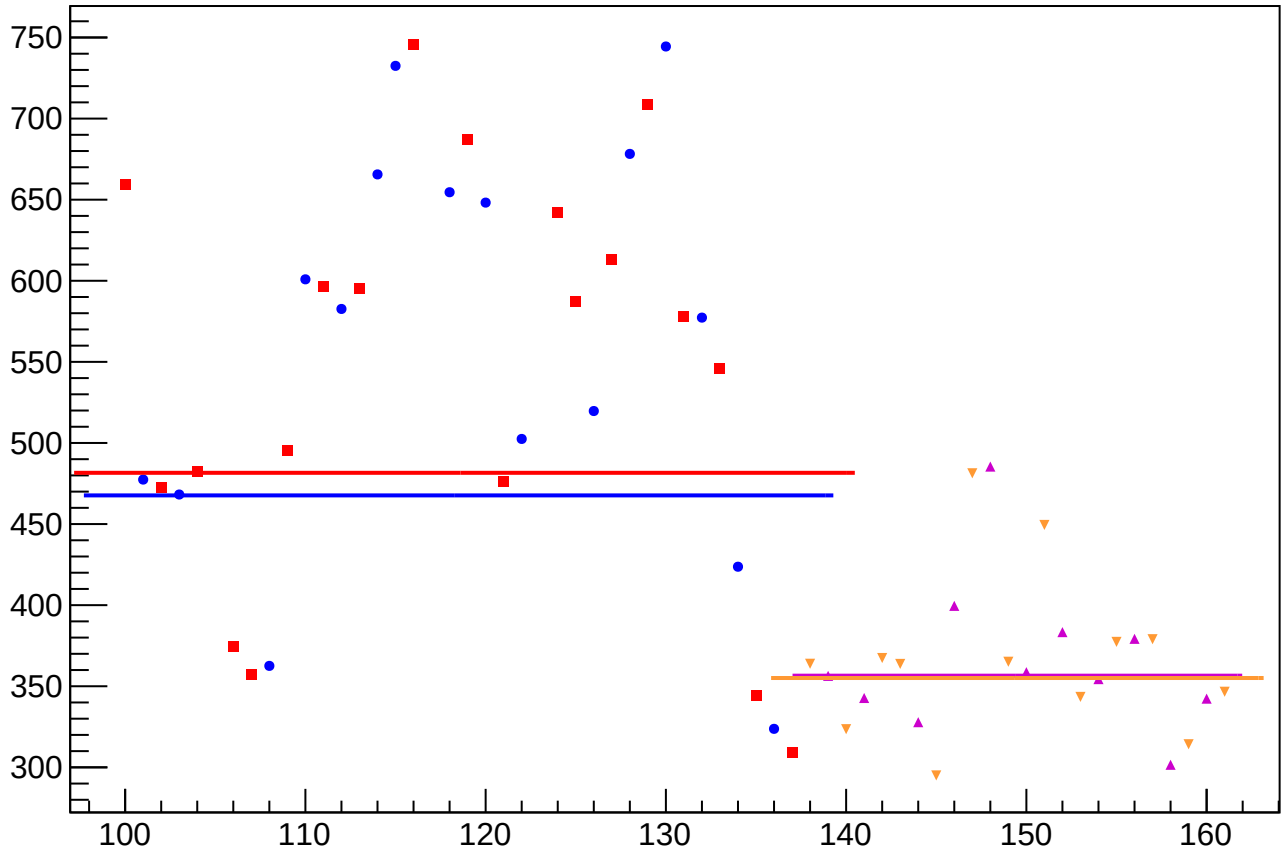
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 61.656+/-116.458 χ^2/NDF:16.8/10

+ sign -134.869+/-94.790 χ^2/NDF: 37.3/28

All: -43.829+/-68.142 χ^2/NDF: 71.4/58

- sign 53.532+/-98.025 χ^2/NDF: 32.2/29



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 355.081+/-0.079 χ^2/NDF:316171.5/12

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

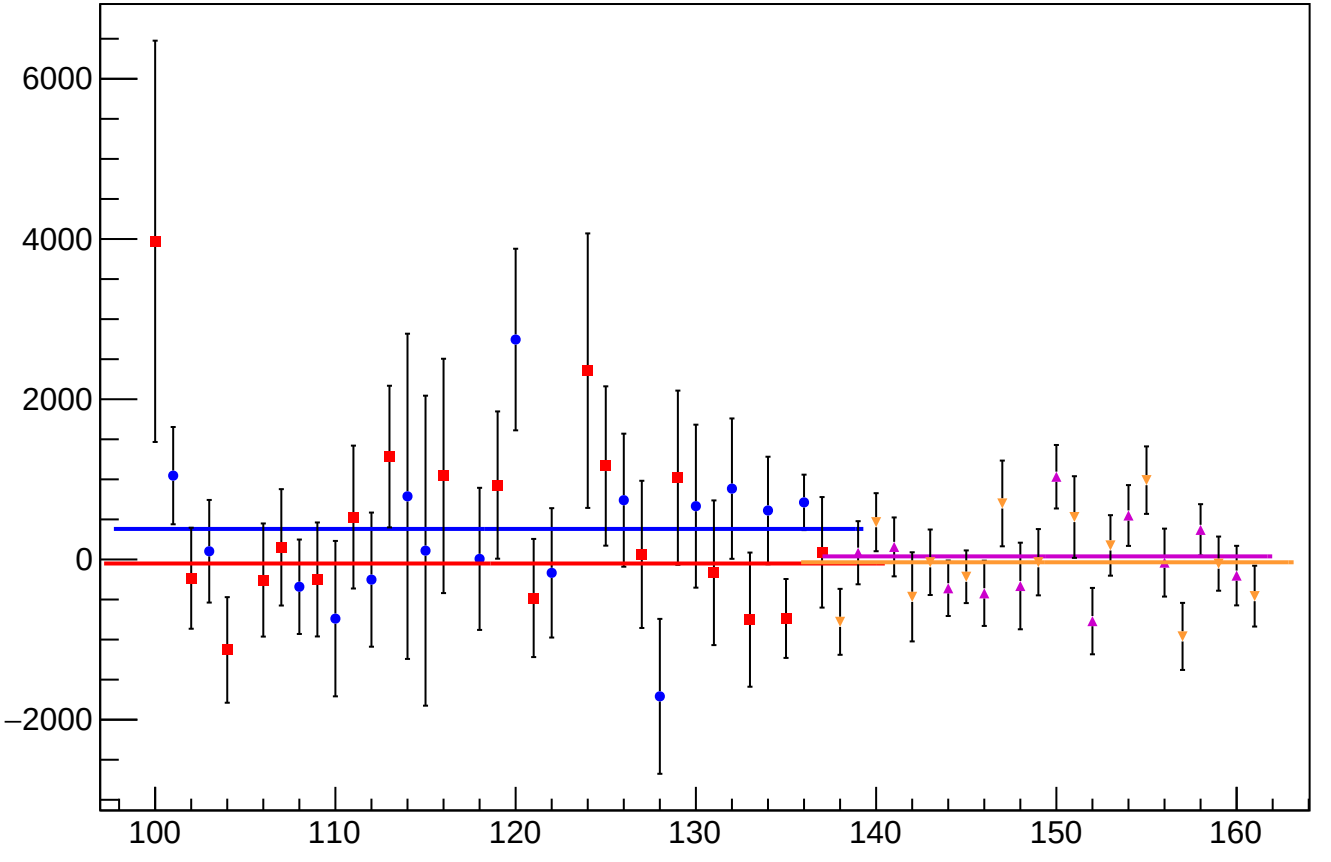
Left In: 356.522+/-0.082 χ^2/NDF:229003.0/10

+ sign 386.190+/-0.067 χ^2/NDF: 1866343.7/28

All: 389.472+/-0.048 χ^2/NDF: 3627068.7/58

- sign 392.982+/-0.069 χ^2/NDF: 1755763.2/29

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -35.166+/-112.356 χ^2/NDF:21.5/12

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

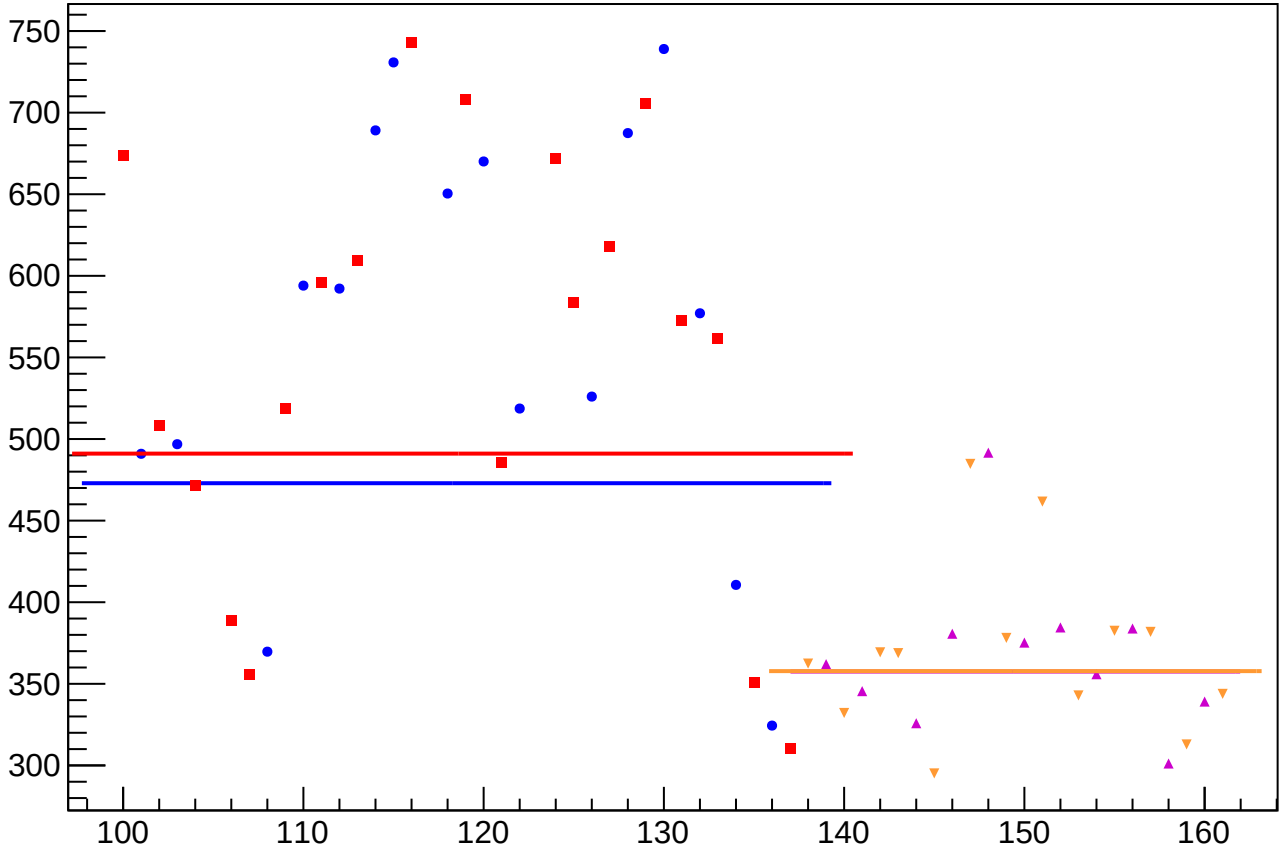
Left In: 38.559+/-116.808 χ^2/NDF:16.6/10

+ sign 79.099+/-95.700 χ^2/NDF: 41.5/28

All: 47.230+/-68.743 χ^2/NDF: 75.9/58

- sign 13.256+/-98.808 χ^2/NDF: 34.2/29

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 357.782+/-0.079 χ^2/NDF:340504.9/12

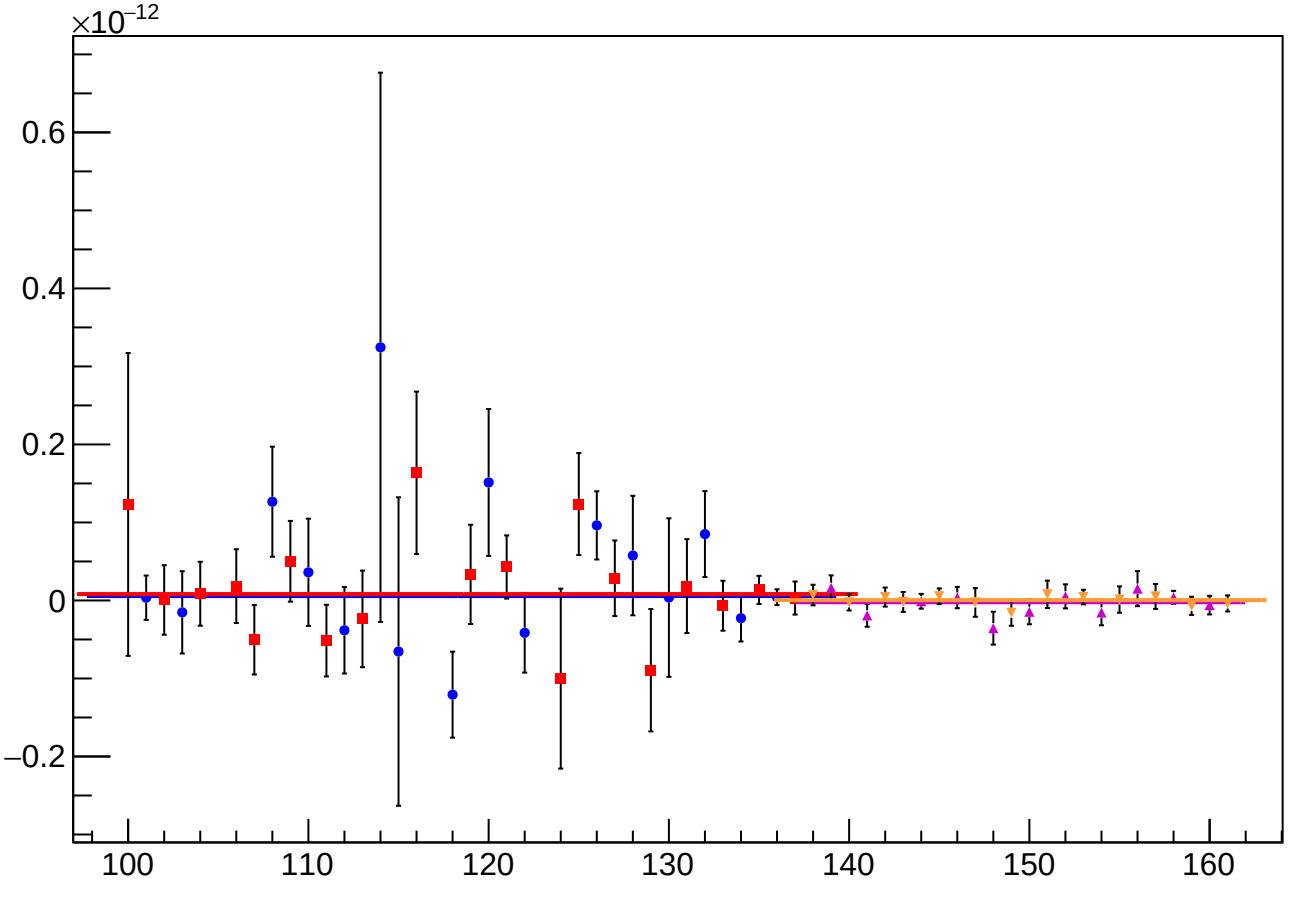
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 357.527+/-0.083 χ^2/NDF:235636.7/10

+ sign 389.390+/-0.068 χ^2/NDF: 1917372.2/28

All: 392.353+/-0.049 χ^2/NDF: 3747986.0/58

- sign 395.512+/-0.070 χ^2/NDF: 1826652.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/12

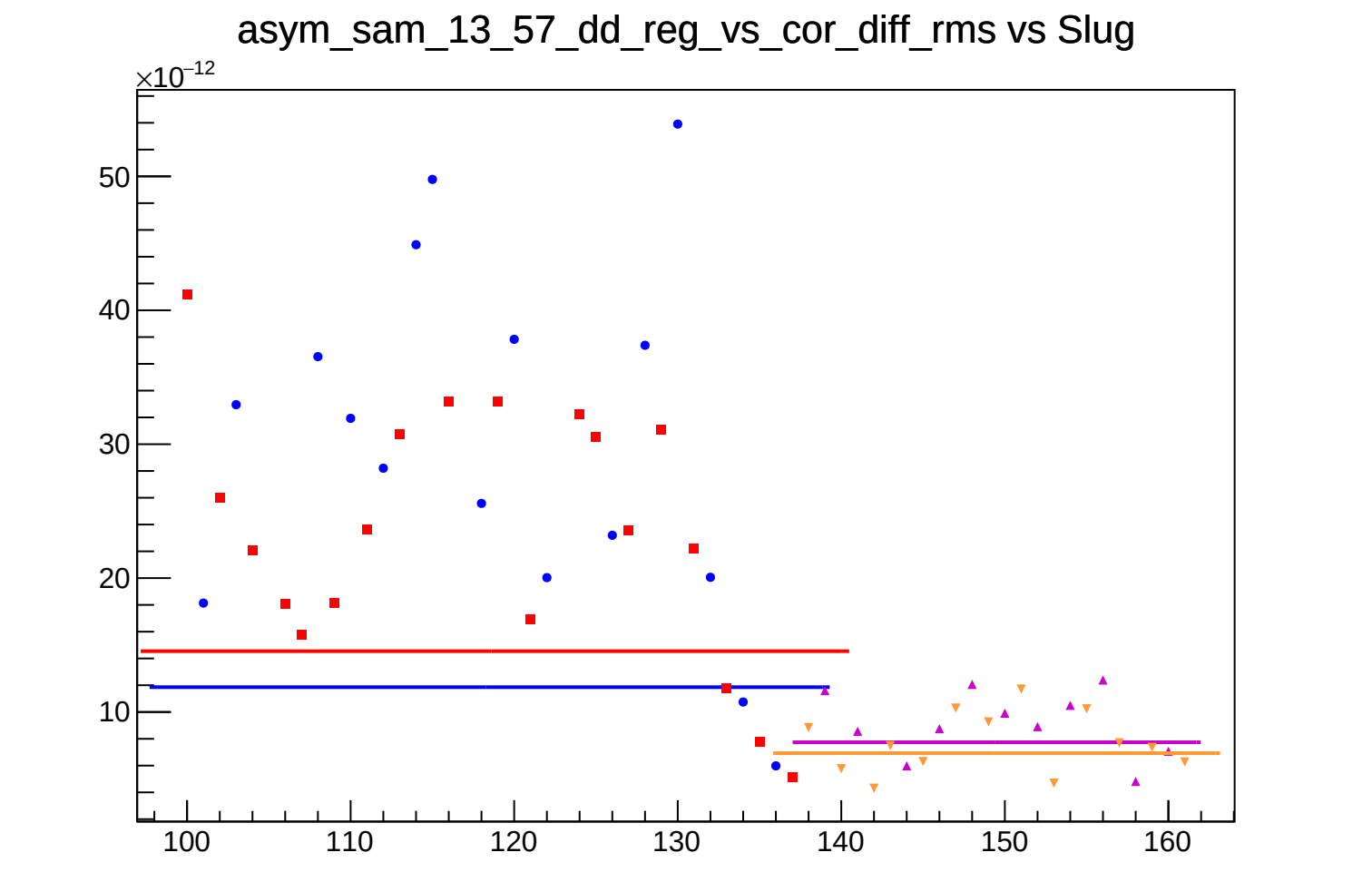
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 24.2/28

All: 0.000+/-0.000 χ^2/NDF: 47.5/58

- sign -0.000+/-0.000 χ^2/NDF: 23.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:630944.1/12

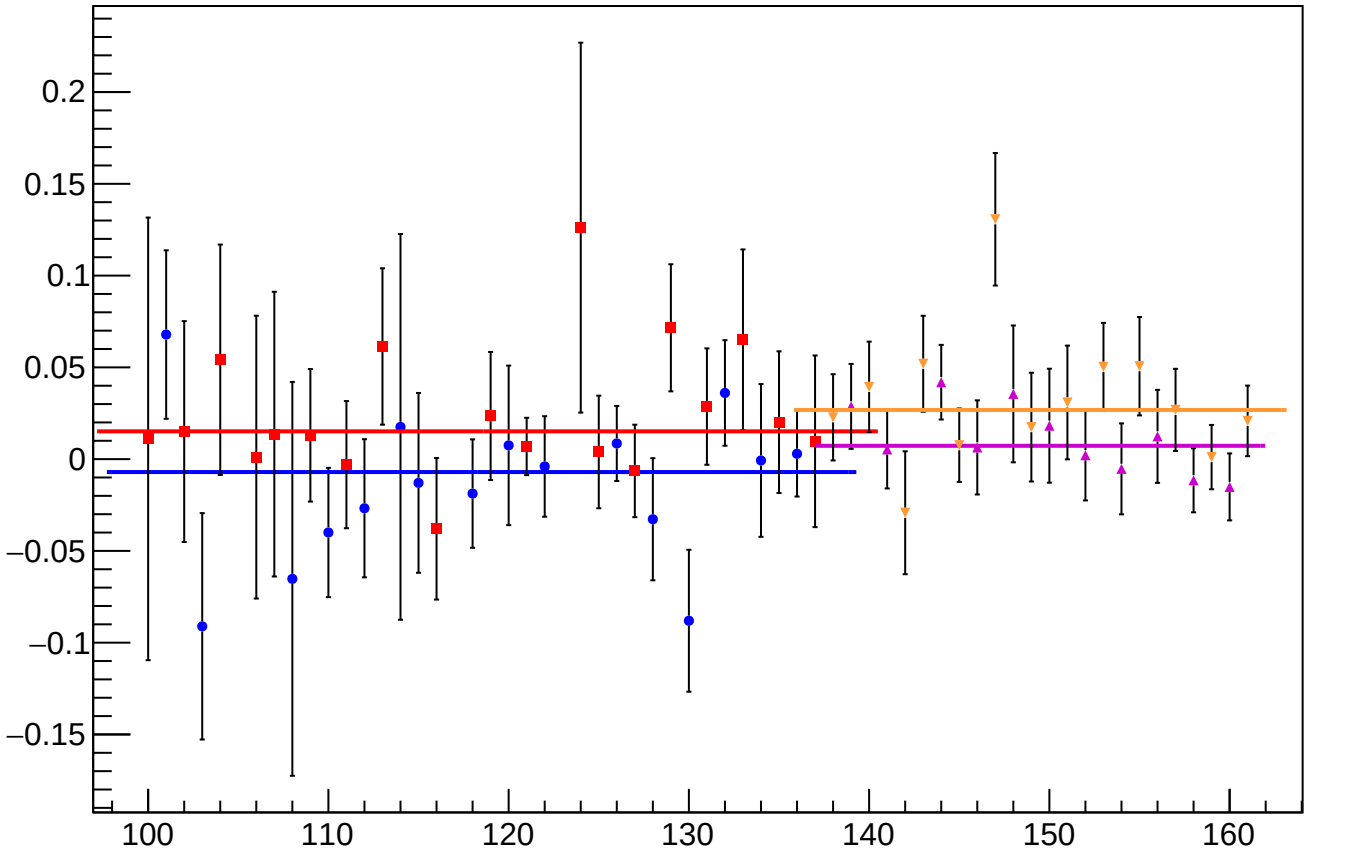
Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:731060.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 4104062.4/28

All: 0.000+/-0.000 χ^2/NDF: 7613790.6/58

- sign 0.000+/-0.000 χ^2/NDF: 3405422.5/29



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.007 χ^2/NDF:17.3/12

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

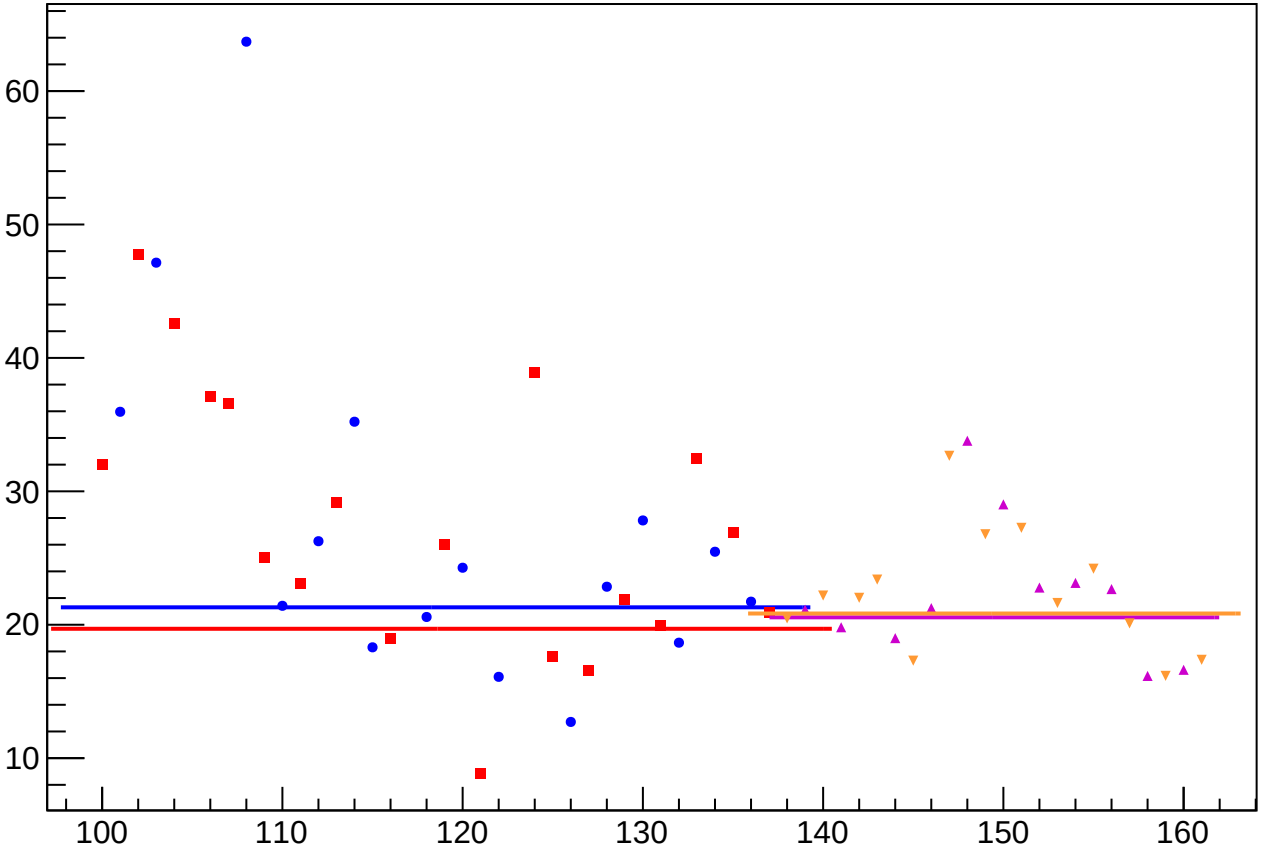
Left In: 0.007+/-0.007 χ^2/NDF:7.5/10

+ sign 0.014+/-0.005 χ^2/NDF: 41.3/28

All: 0.012+/-0.004 χ^2/NDF: 59.6/58

- sign 0.011+/-0.005 χ^2/NDF: 18.1/29

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.841+/-0.005 χ^2/NDF:714176.0/12

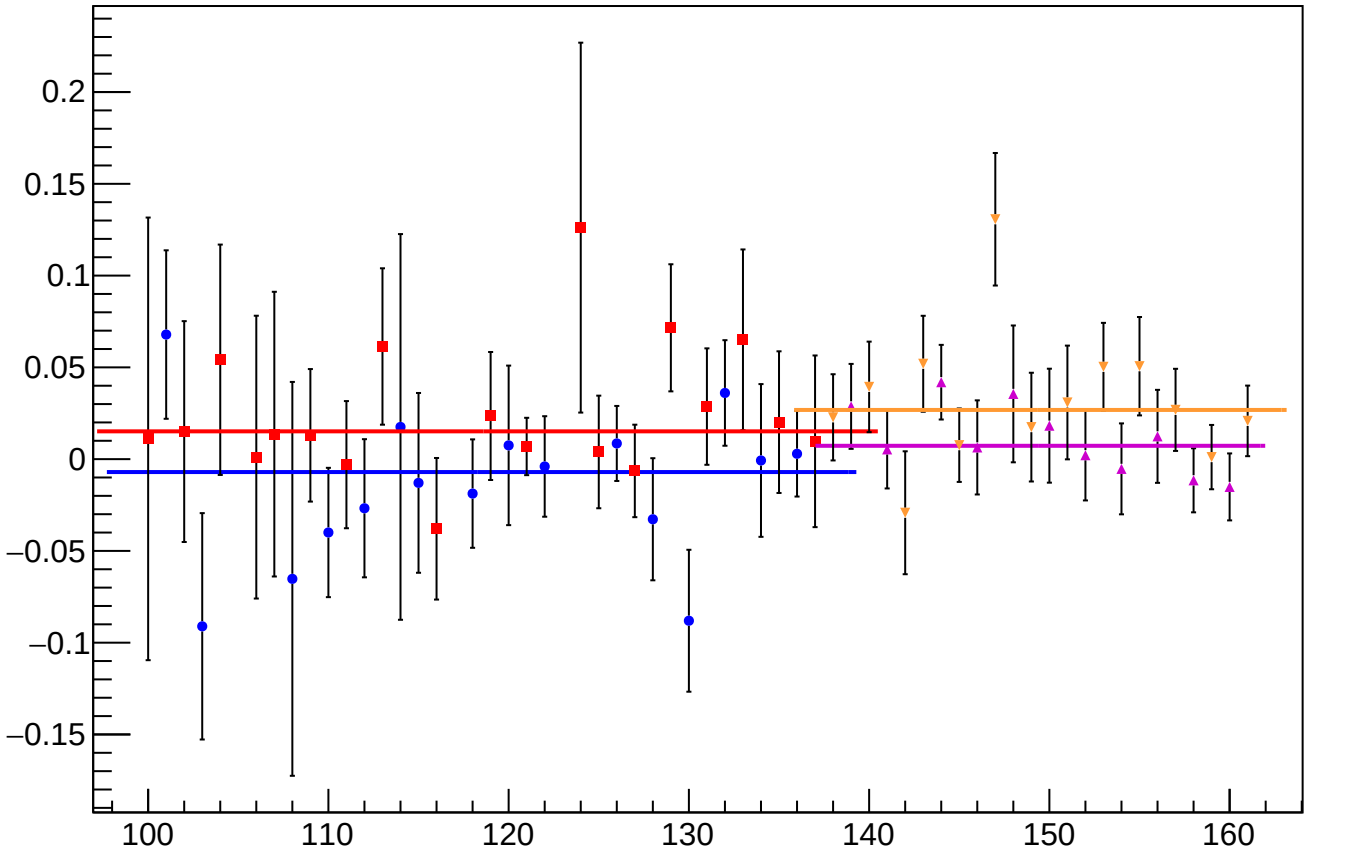
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.554+/-0.005 χ^2/NDF:689540.0/10

+ sign 21.016+/-0.004 χ^2/NDF: 2197190.7/28

All: 20.608+/-0.003 χ^2/NDF: 5362266.3/58

- sign 20.199+/-0.004 χ^2/NDF: 3141247.1/29



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.007 χ^2/NDF:17.3/12

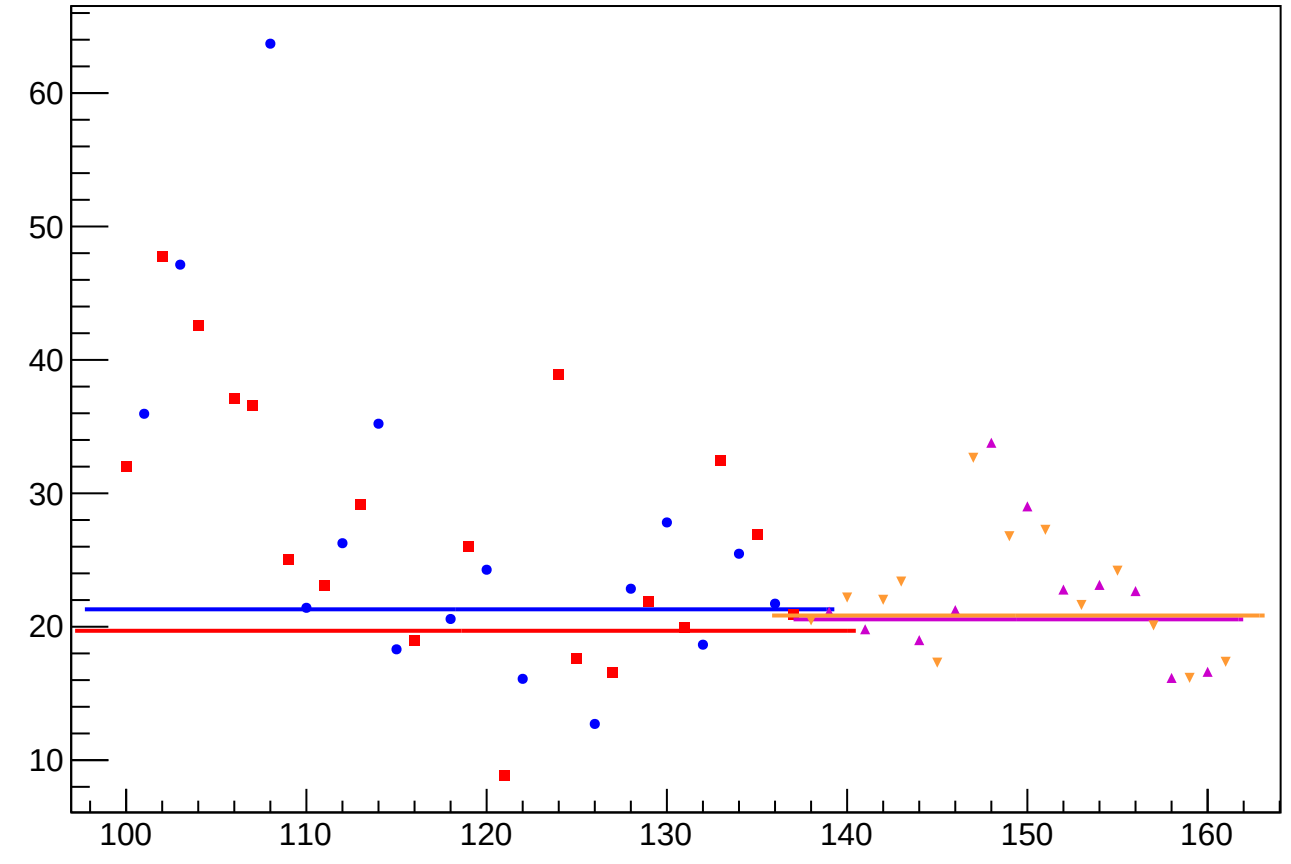
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.007+/-0.007 χ^2/NDF:7.5/10

+ sign 0.014+/-0.005 χ^2/NDF: 41.3/28

All: 0.012+/-0.004 χ^2/NDF: 59.6/58

- sign 0.011+/-0.005 χ^2/NDF: 18.1/29



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.841+/-0.005 χ^2/NDF:714176.0/12

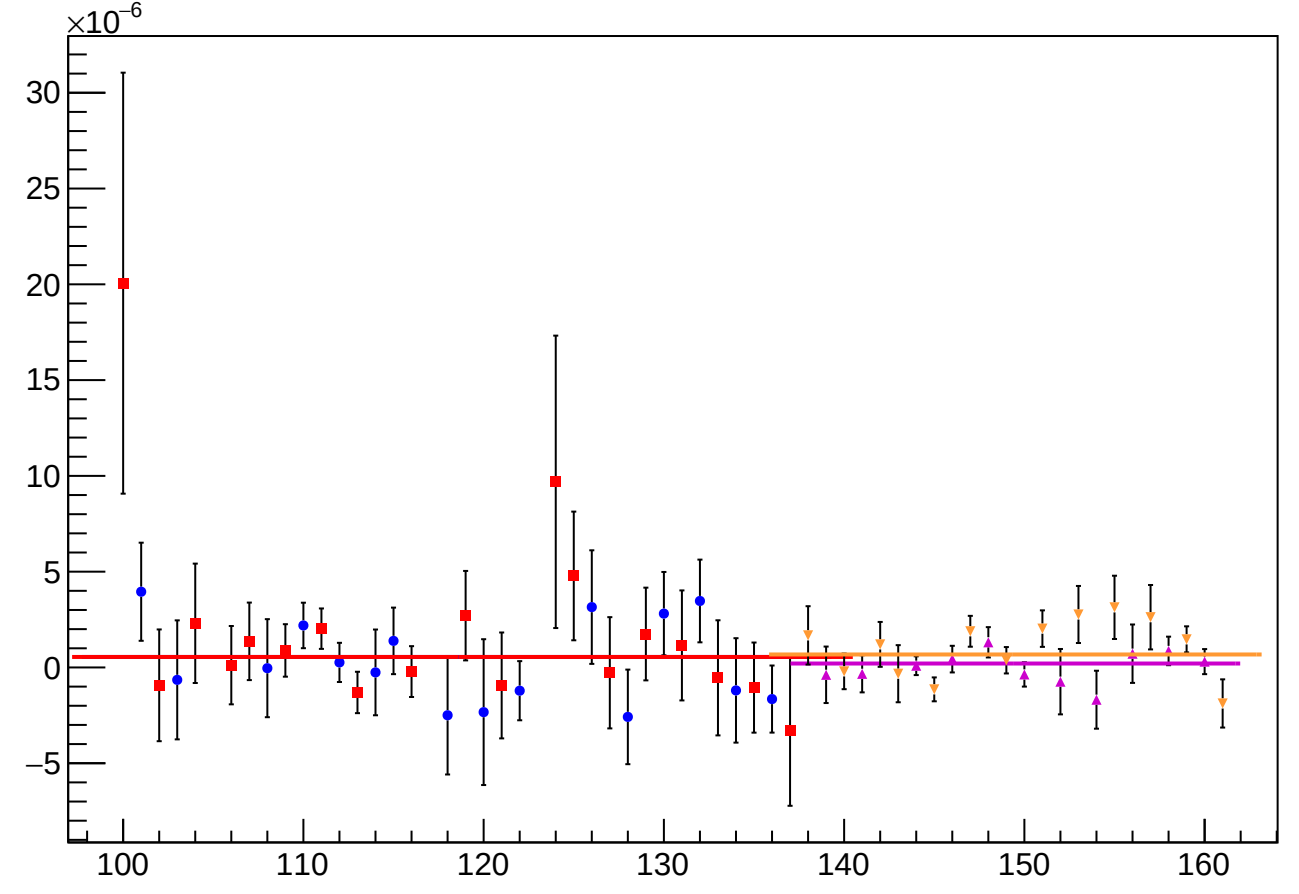
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.554+/-0.005 χ^2/NDF:689540.0/10

+ sign 21.016+/-0.004 χ^2/NDF: 2197190.7/28

All: 20.608+/-0.003 χ^2/NDF: 5362266.3/58

- sign 20.199+/-0.004 χ^2/NDF: 3141247.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/12

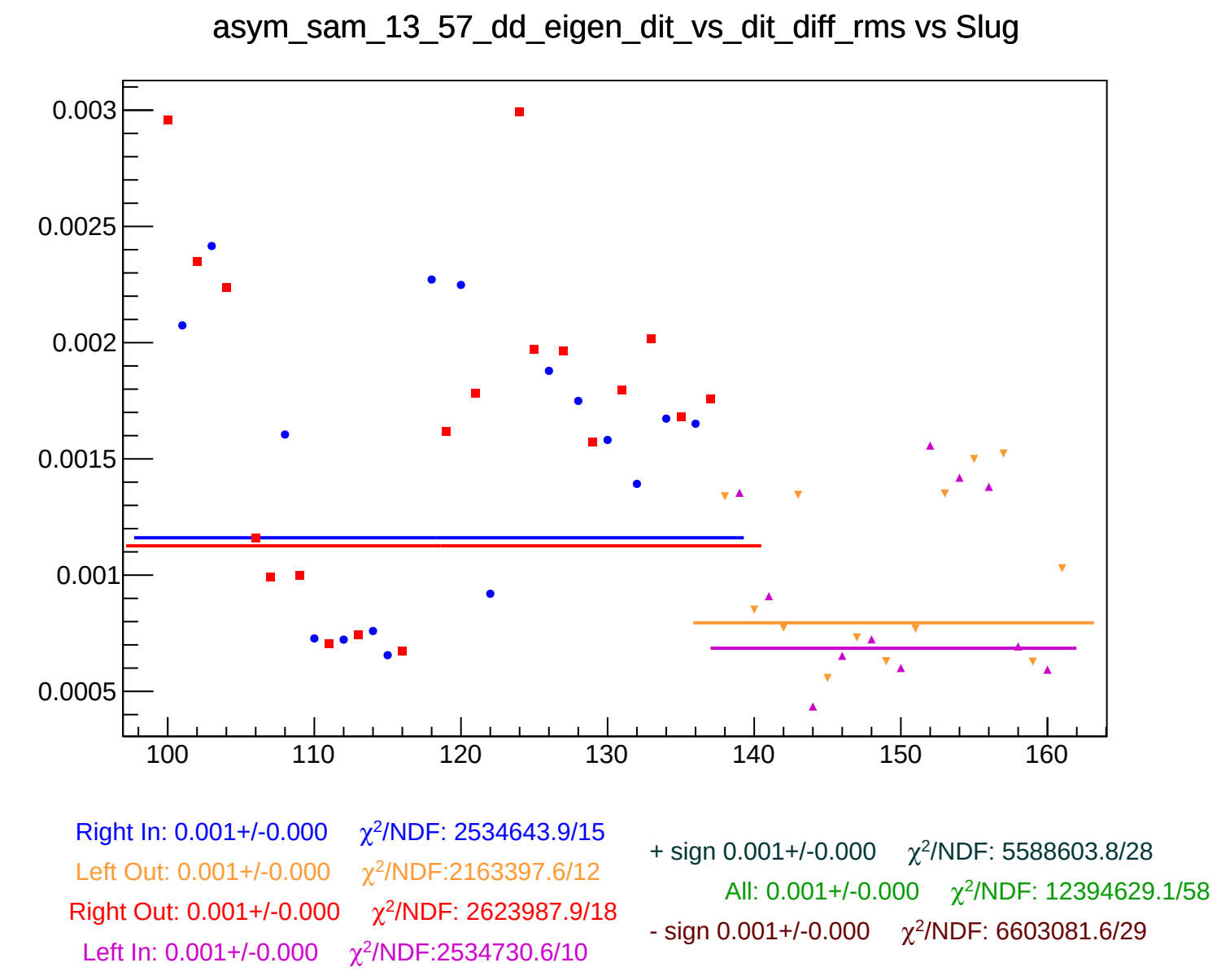
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

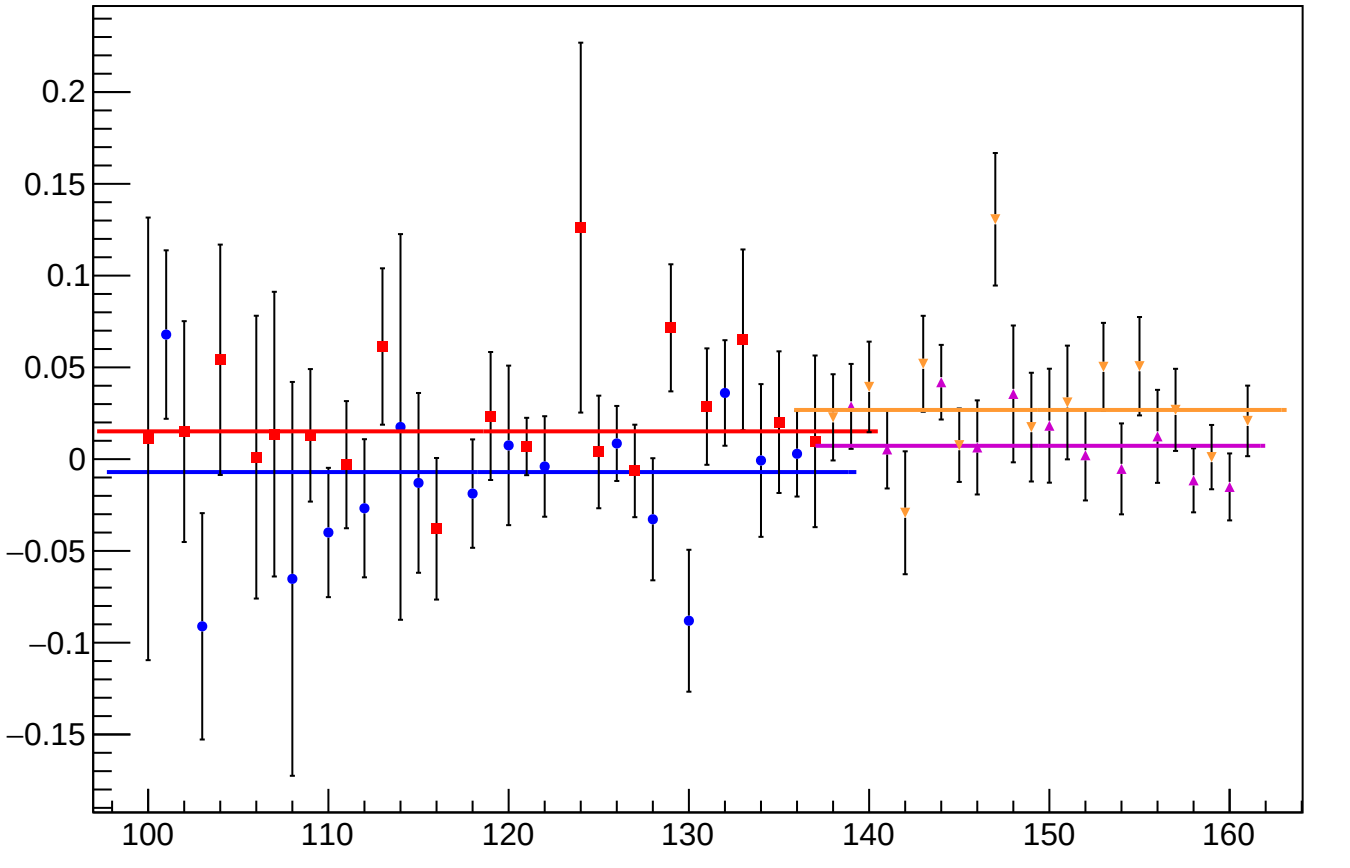
Left In: 0.000+/-0.000 χ^2/NDF:6.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 40.5/28

All: 0.000+/-0.000 χ^2/NDF: 63.8/58

- sign 0.000+/-0.000 χ^2/NDF: 21.9/29


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
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2163397.6/12
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:2534730.6/10
+ sign 0.001+/-0.000 χ²/NDF: 5588603.8/28
All: 0.001+/-0.000 χ²/NDF: 12394629.1/58
- sign 0.001+/-0.000 χ²/NDF: 6603081.6/29



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.007 χ^2/NDF:17.3/12

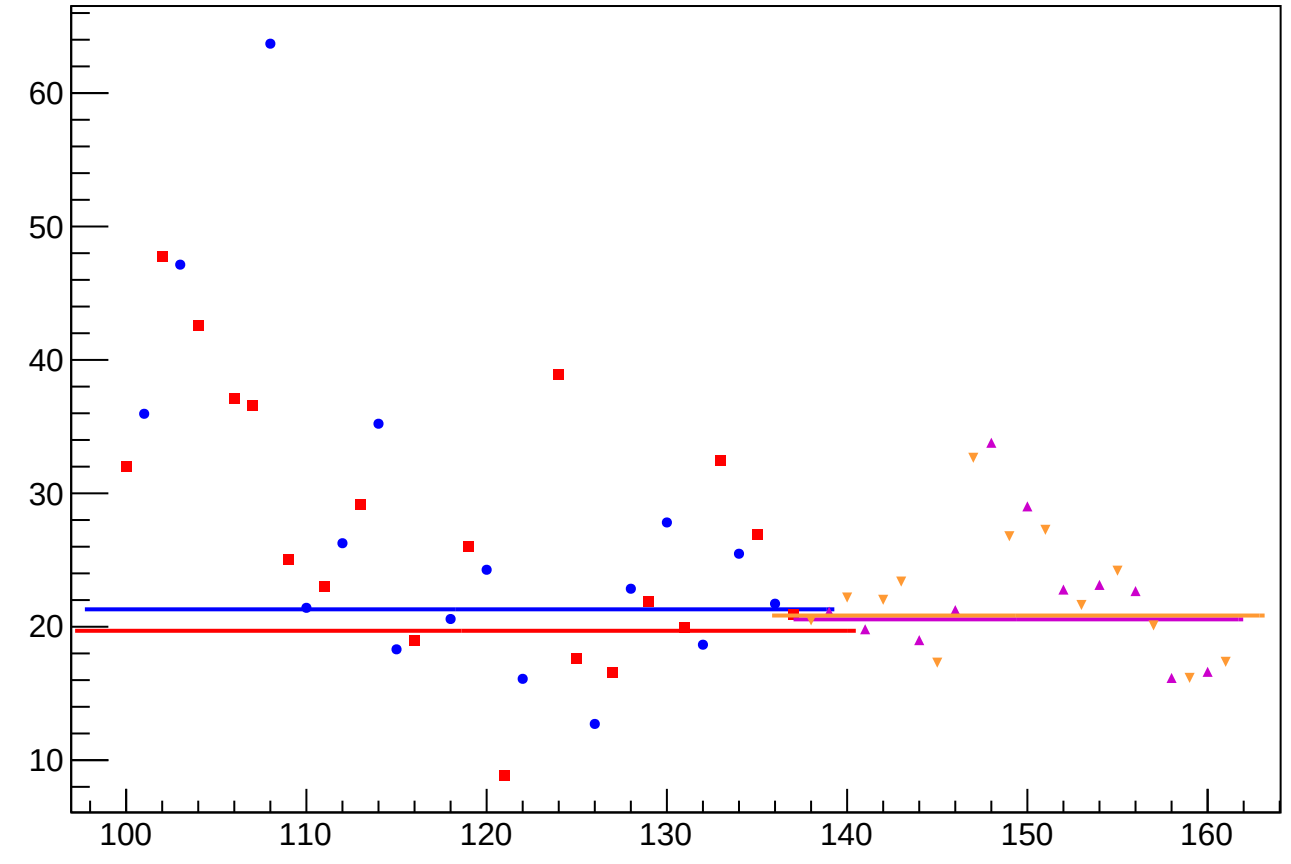
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.007+/-0.007 χ^2/NDF:7.5/10

+ sign 0.014+/-0.005 χ^2/NDF: 41.3/28

All: 0.012+/-0.004 χ^2/NDF: 59.6/58

- sign 0.011+/-0.005 χ^2/NDF: 18.1/29



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.841+/-0.005 χ^2/NDF:714304.5/12

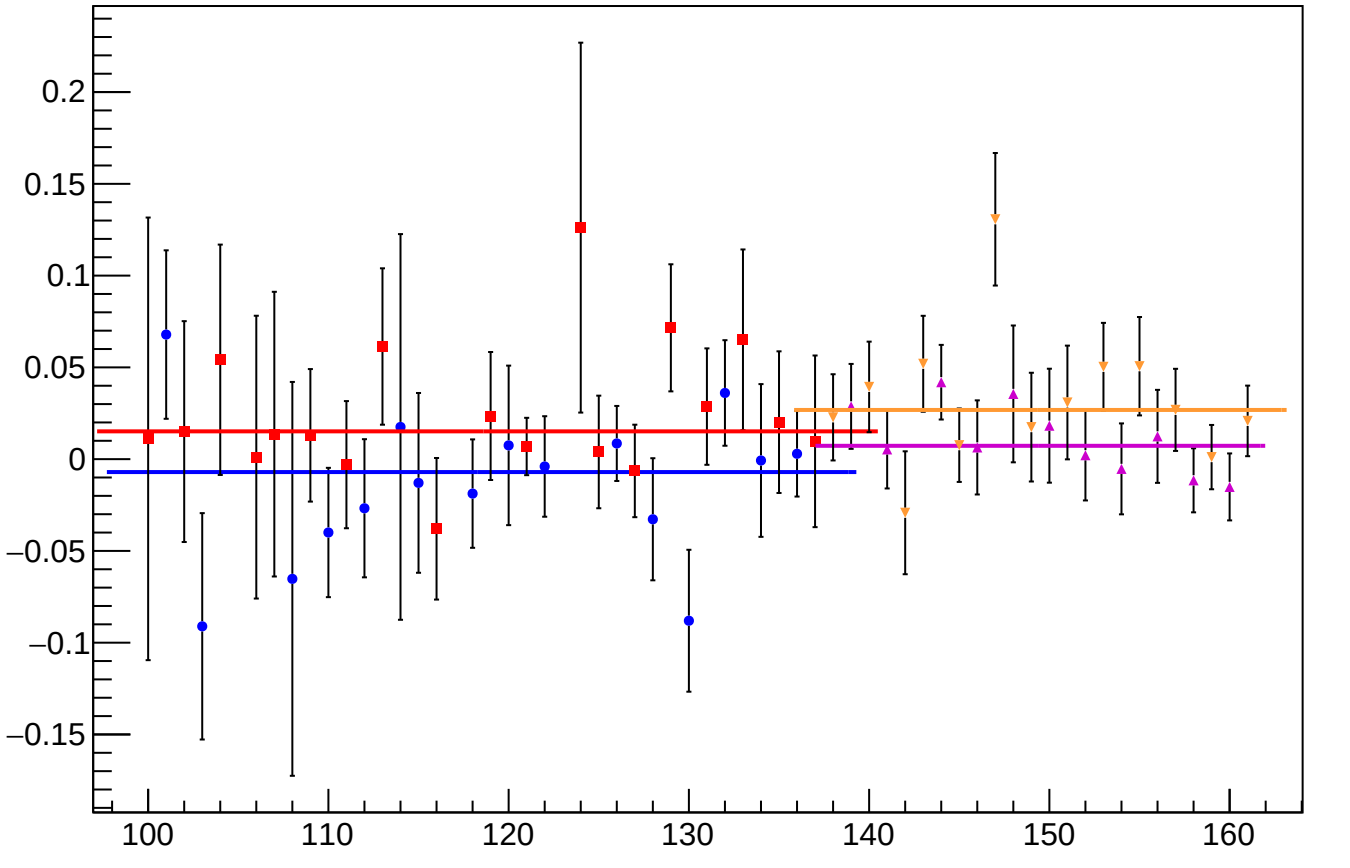
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.554+/-0.005 χ^2/NDF:689636.6/10

\+ sign 21.016+/-0.004 χ^2/NDF: 2197157.6/28

All: 20.608+/-0.003 χ^2/NDF: 5361931.4/58

\- sign 20.199+/-0.004 χ^2/NDF: 3140958.9/29



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.027+/-0.007 χ^2/NDF:17.3/12

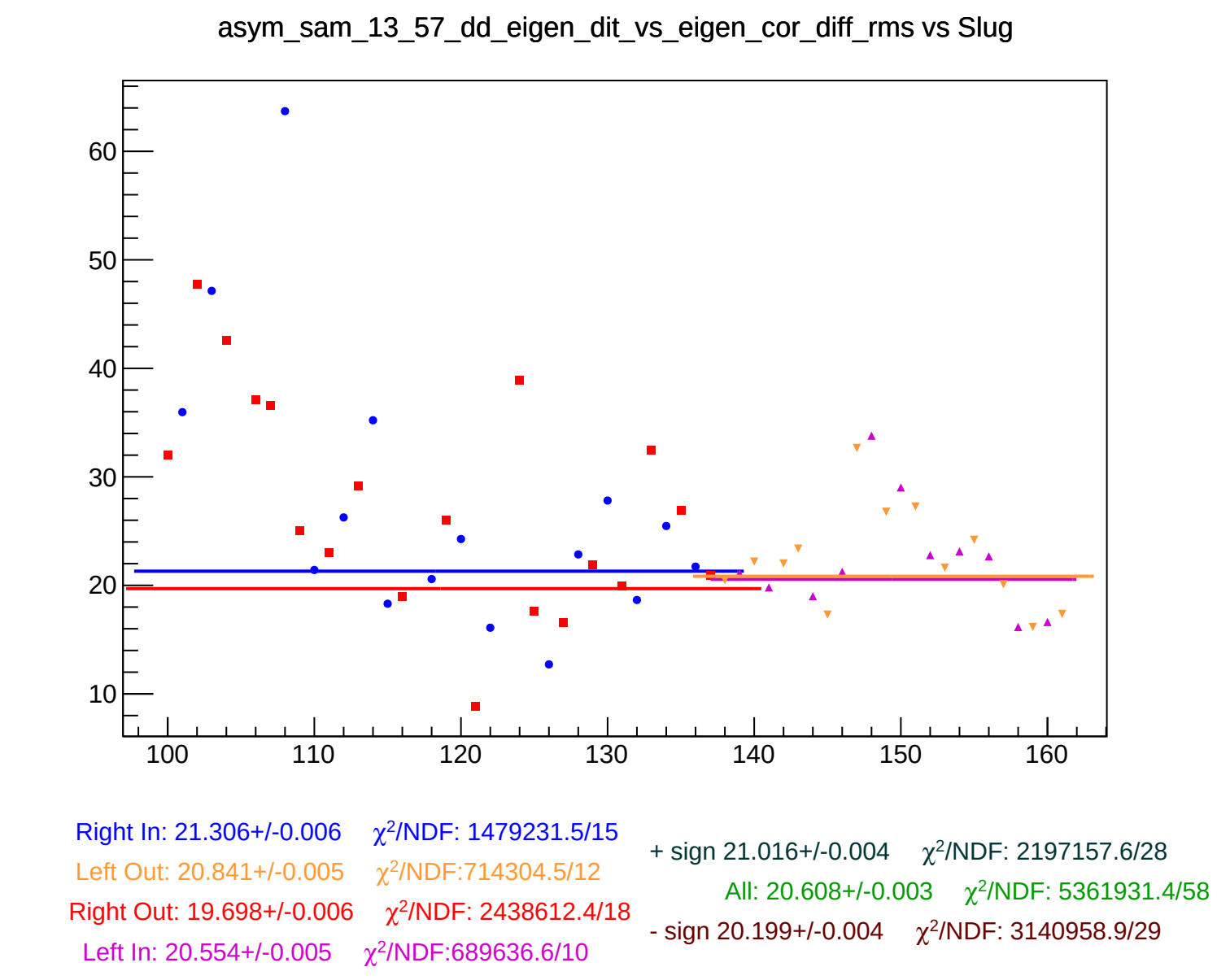
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

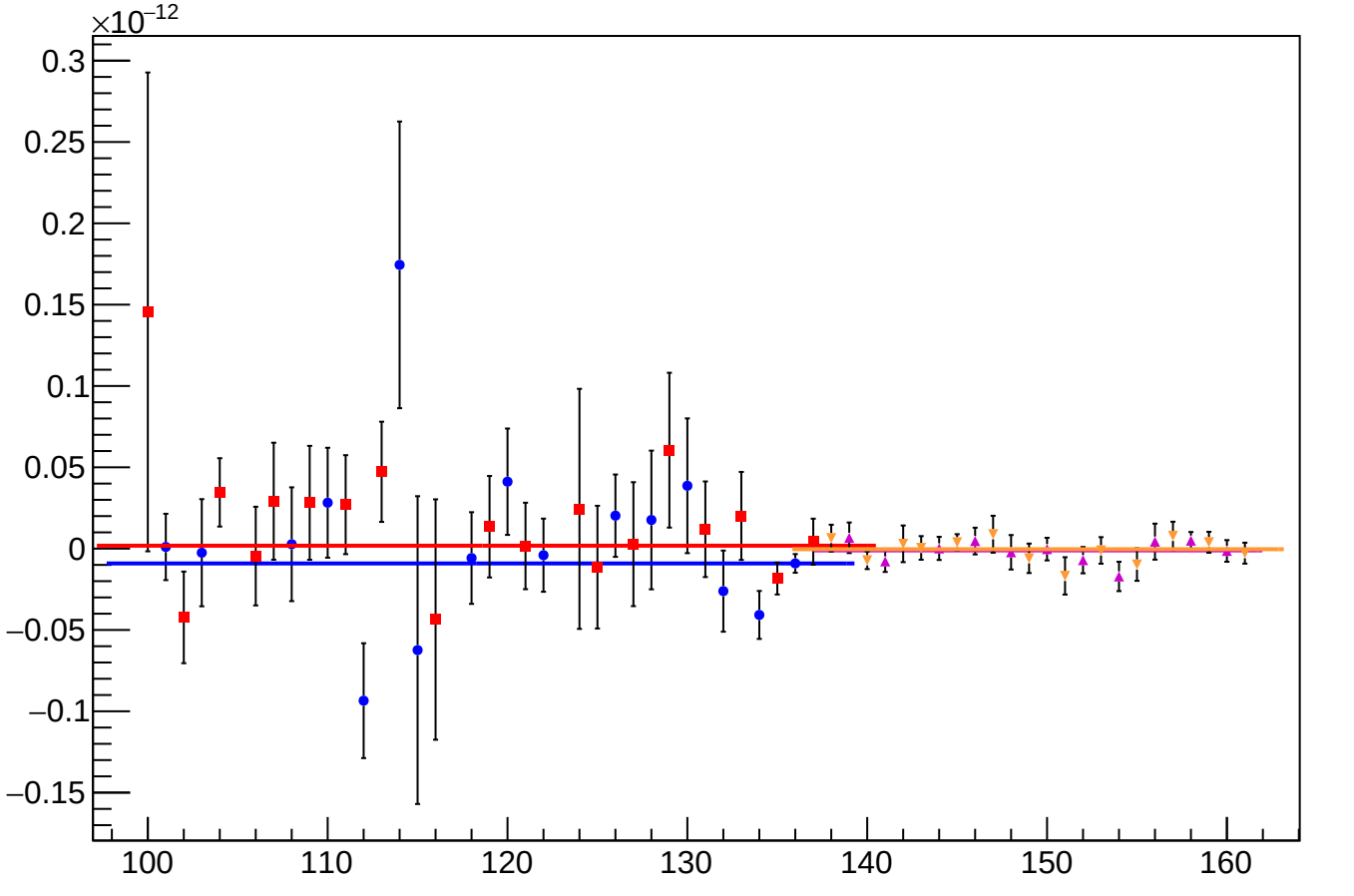
Left In: 0.007+/-0.007 χ^2/NDF:7.5/10

+ sign 0.014+/-0.005 χ^2/NDF: 41.3/28

All: 0.012+/-0.004 χ^2/NDF: 59.6/58

- sign 0.011+/-0.005 χ^2/NDF: 18.1/29


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 21.306+/-0.006 χ²/NDF: 1479231.5/15
Left Out: 20.841+/-0.005 χ²/NDF:714304.5/12
Right Out: 19.698+/-0.006 χ²/NDF: 2438612.4/18
Left In: 20.554+/-0.005 χ²/NDF:689636.6/10
+ sign 21.016+/-0.004 χ²/NDF: 2197157.6/28
All: 20.608+/-0.003 χ²/NDF: 5361931.4/58
- sign 20.199+/-0.004 χ²/NDF: 3140958.9/29



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.5/12

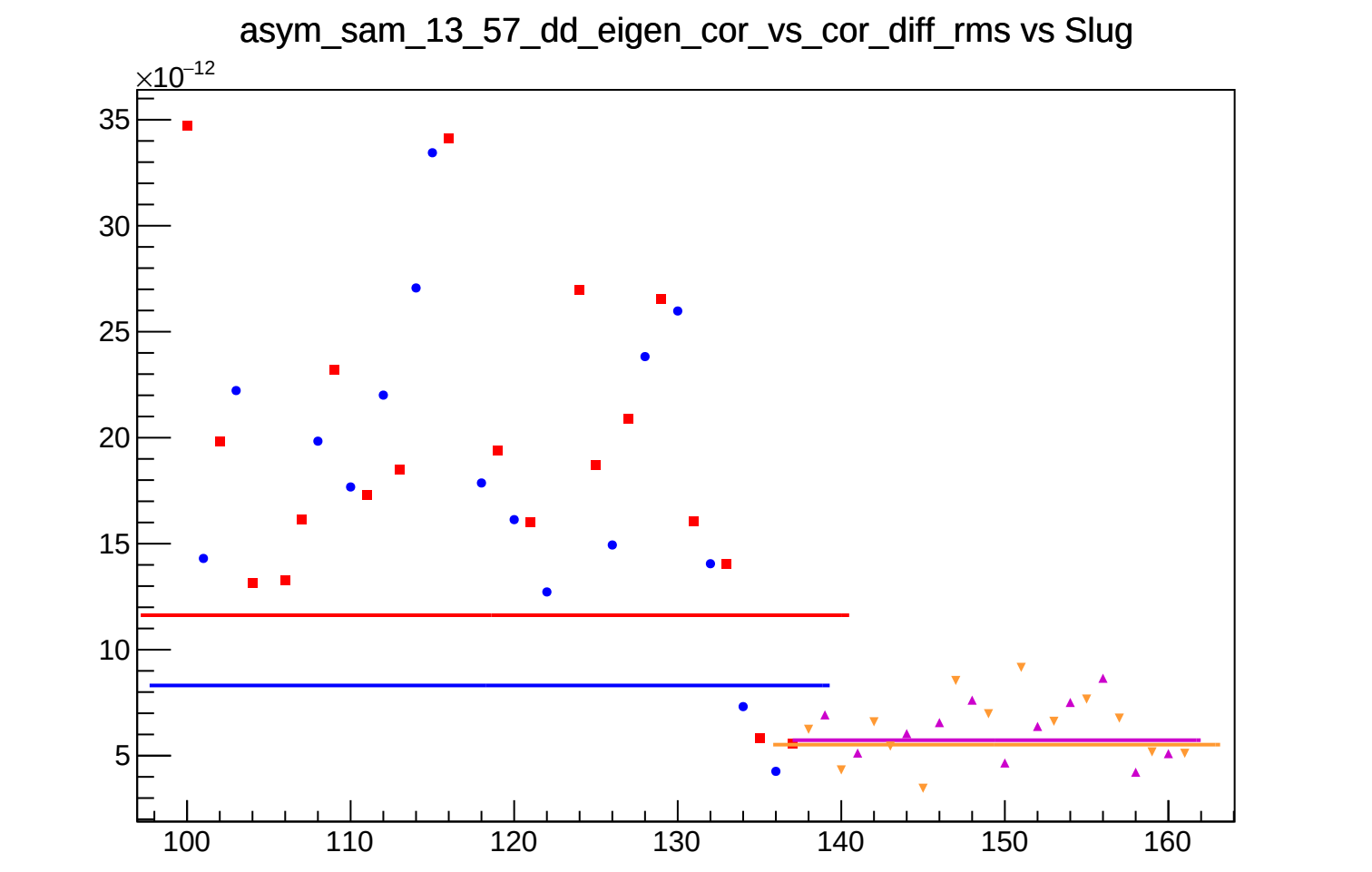
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 34.2/28

All: -0.000+/-0.000 χ^2/NDF: 59.1/58

- sign -0.000+/-0.000 χ^2/NDF: 24.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1049311.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

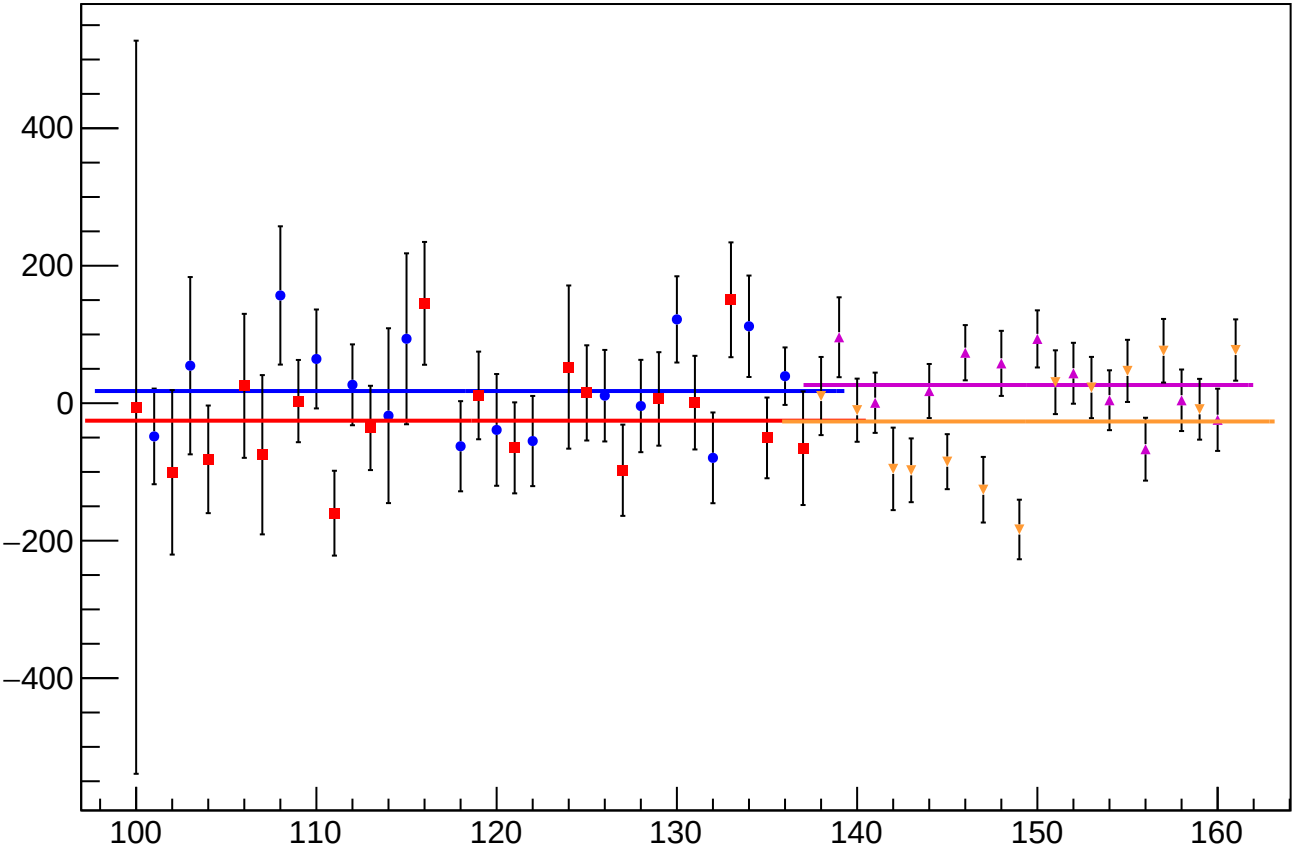
Left In: 0.000+/-0.000 χ^2/NDF:595305.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 5416193.3/28

All: 0.000+/-0.000 χ^2/NDF: 10545630.8/58

- sign 0.000+/-0.000 χ^2/NDF: 5059066.6/29

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -26.574+/-12.846 χ^2/NDF:39.8/12

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

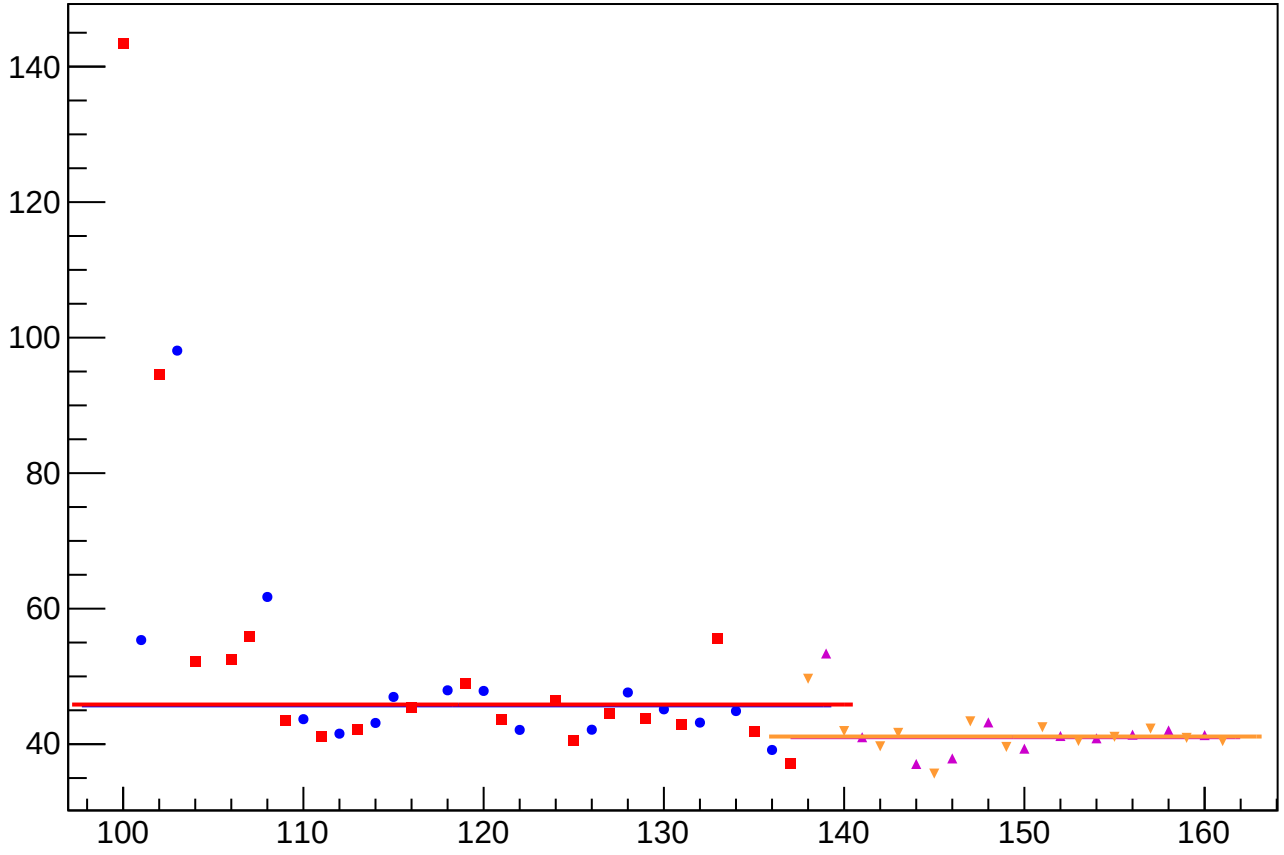
Left In: 26.467+/-13.352 χ^2/NDF:12.3/10

\+ sign -11.036+/-10.349 χ^2/NDF: 57.9/28

All: -2.147+/-7.398 χ^2/NDF: 95.2/58

\- sign 7.141+/-10.579 χ^2/NDF: 35.8/29

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.127+/-0.009 χ^2/NDF:95303.7/12

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

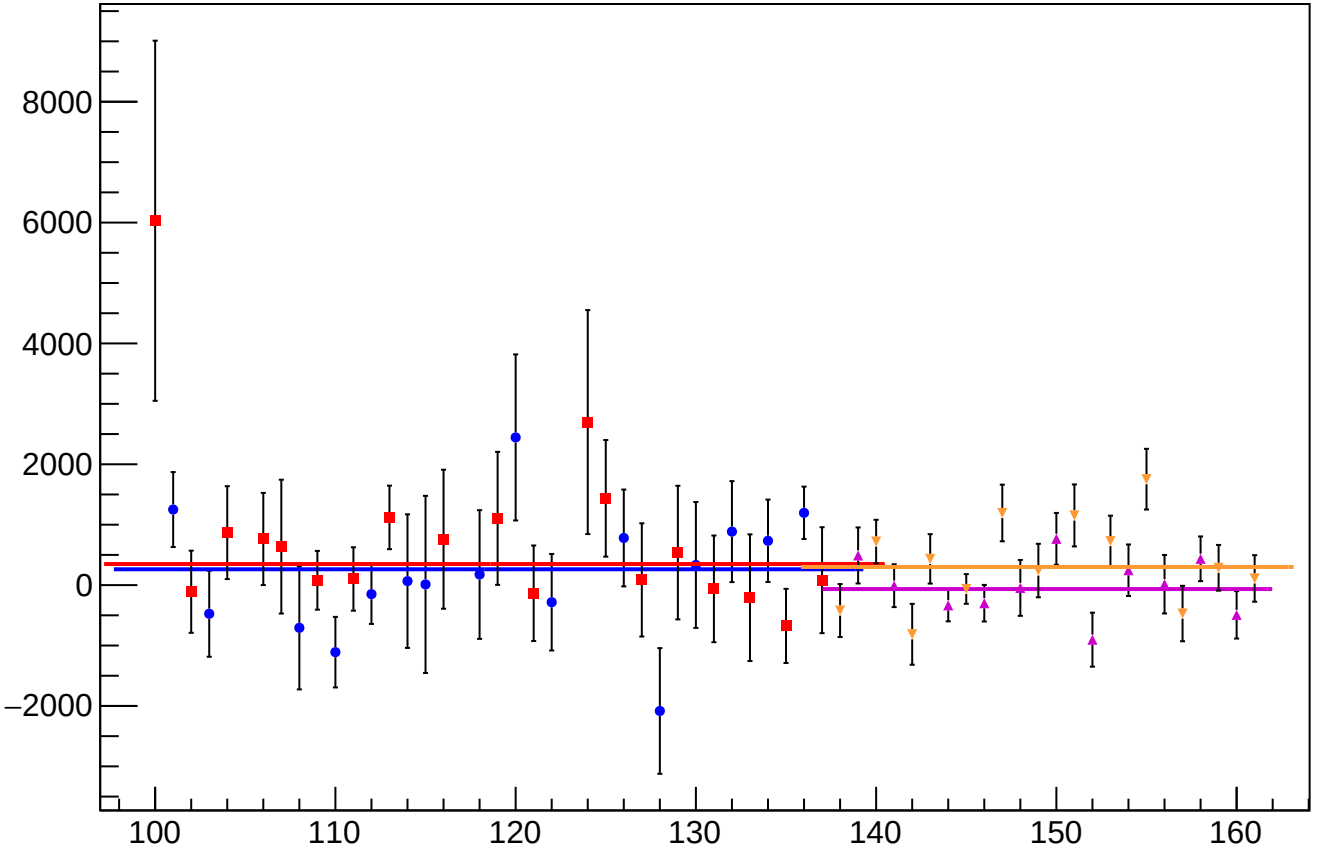
Left In: 41.030+/-0.009 χ^2/NDF:131536.6/10

+ sign 42.741+/-0.007 χ^2/NDF: 686755.0/28

All: 42.782+/-0.005 χ^2/NDF: 1455524.6/58

- sign 42.824+/-0.007 χ^2/NDF: 768706.7/29

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 300.350+/-111.124 χ^2/NDF:30.2/12

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

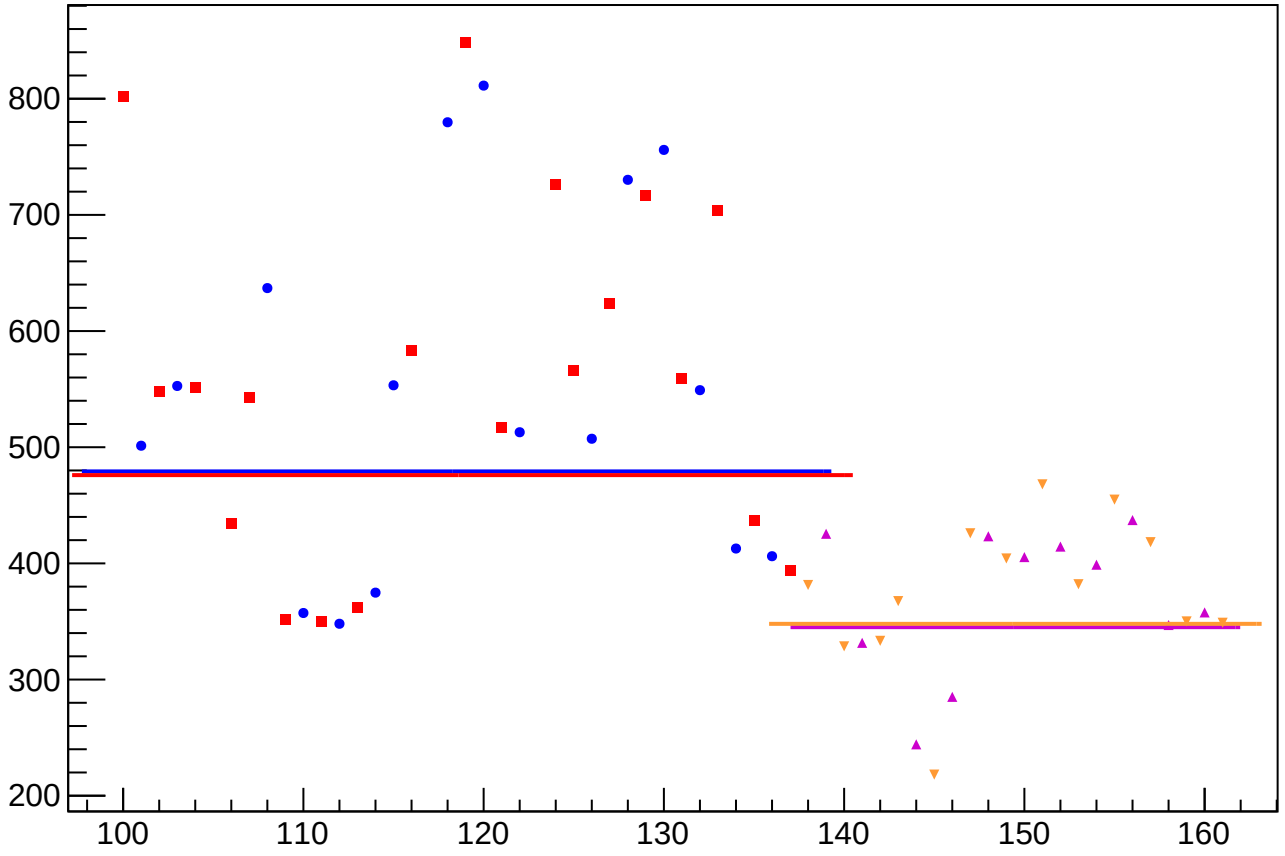
Left In: -65.442+/-114.312 χ^2/NDF:14.0/10

+ sign 290.184+/-95.288 χ^2/NDF: 55.2/28

All: 173.185+/-67.839 χ^2/NDF: 90.9/58

- sign 52.938+/-96.602 χ^2/NDF: 32.6/29

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 347.953+/-0.079 χ^2/NDF:931035.8/12

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

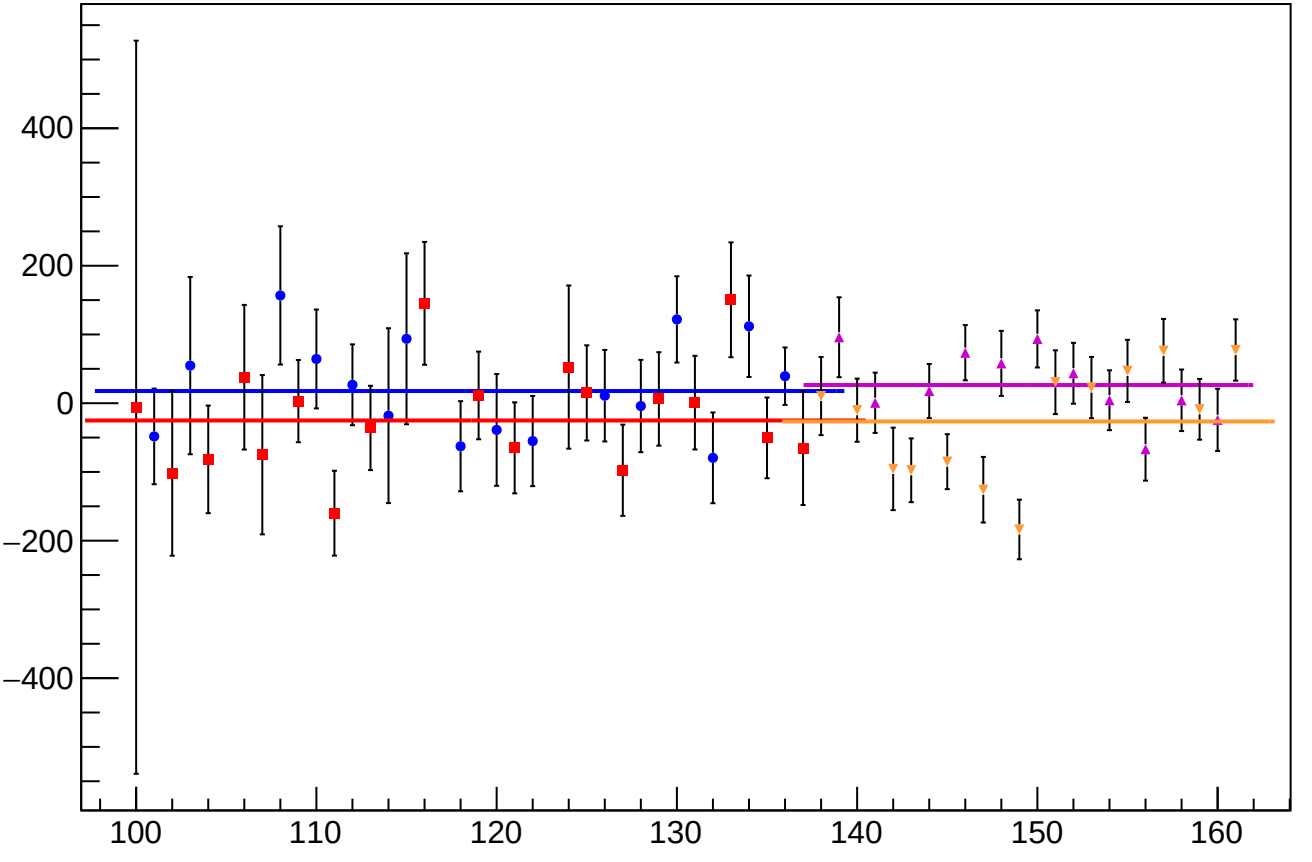
Left In: 345.100+/-0.081 χ^2/NDF:683709.9/10

\+ sign 382.688+/-0.067 χ^2/NDF: 2621963.6/28

All: 382.603+/-0.048 χ^2/NDF: 5061737.5/58

\- sign 382.516+/-0.068 χ^2/NDF: 2439770.7/29

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -26.576+/-12.846 χ^2/NDF:39.8/12

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

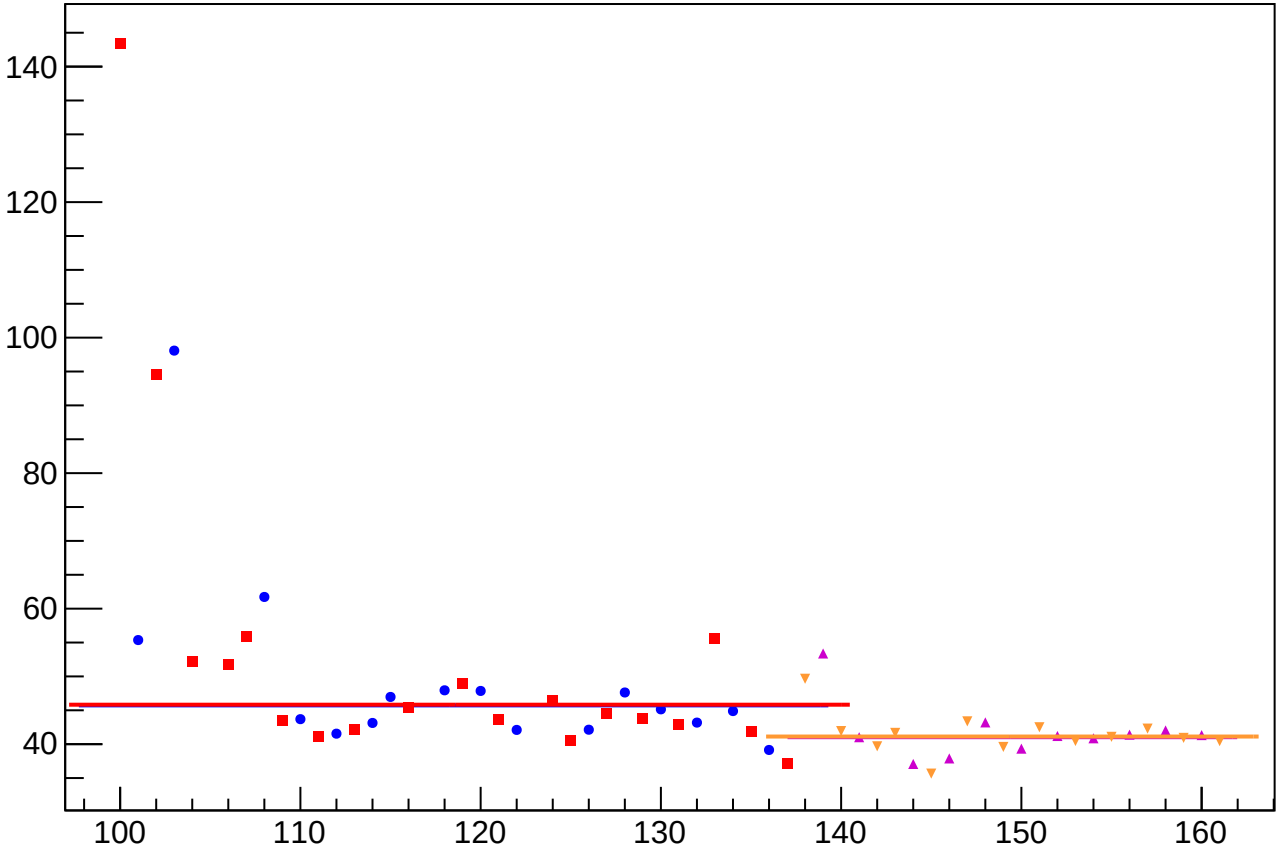
Left In: 26.468+/-13.352 χ^2/NDF:12.3/10

+ sign -11.036+/-10.349 χ^2/NDF: 57.9/28

All: -2.092+/-7.398 χ^2/NDF: 95.3/58

- sign 7.254+/-10.579 χ^2/NDF: 35.9/29

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.127+/-0.009 χ^2/NDF:95303.7/12

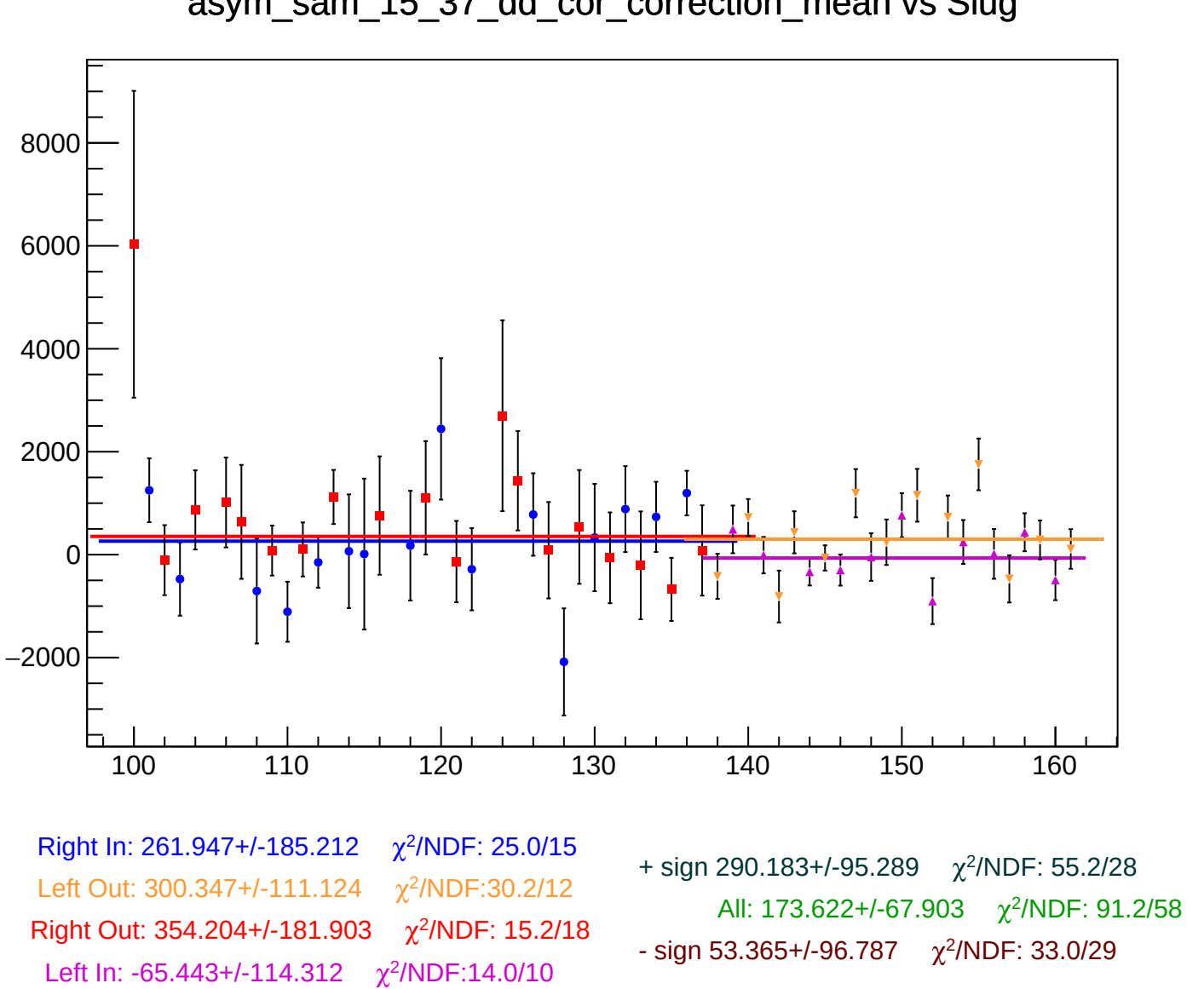
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.030+/-0.009 χ^2/NDF:131536.6/10

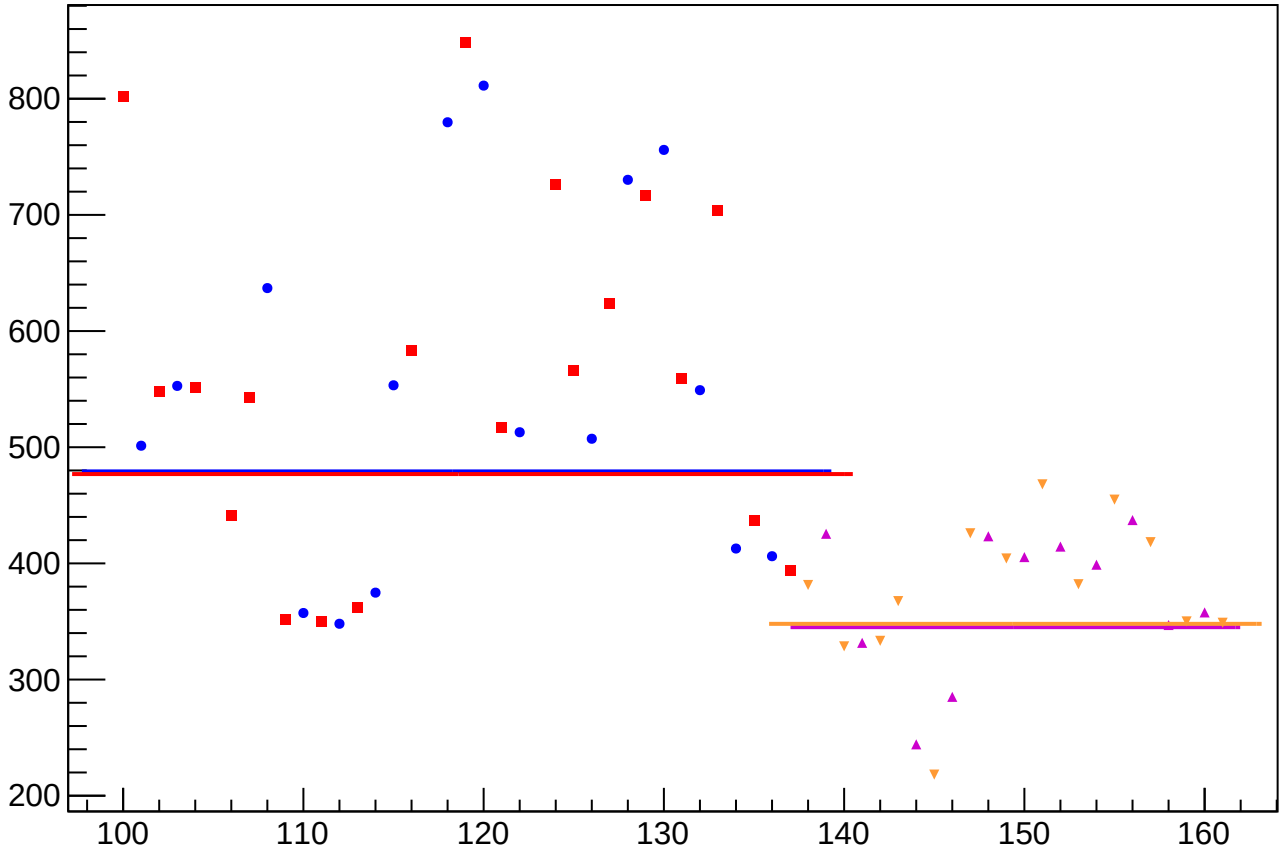
+ sign 42.741+/-0.007 χ^2/NDF: 686758.0/28

All: 42.777+/-0.005 χ^2/NDF: 1452854.2/58

- sign 42.815+/-0.007 χ^2/NDF: 766046.4/29


asym_sam_15_37_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 300.347+/-111.124 χ²/NDF:30.2/12
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: -65.443+/-114.312 χ²/NDF:14.0/10
+ sign 290.183+/-95.289 χ²/NDF: 55.2/28
All: 173.622+/-67.903 χ²/NDF: 91.2/58
- sign 53.365+/-96.787 χ²/NDF: 33.0/29

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 347.953+/-0.079 χ^2/NDF:931036.9/12

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

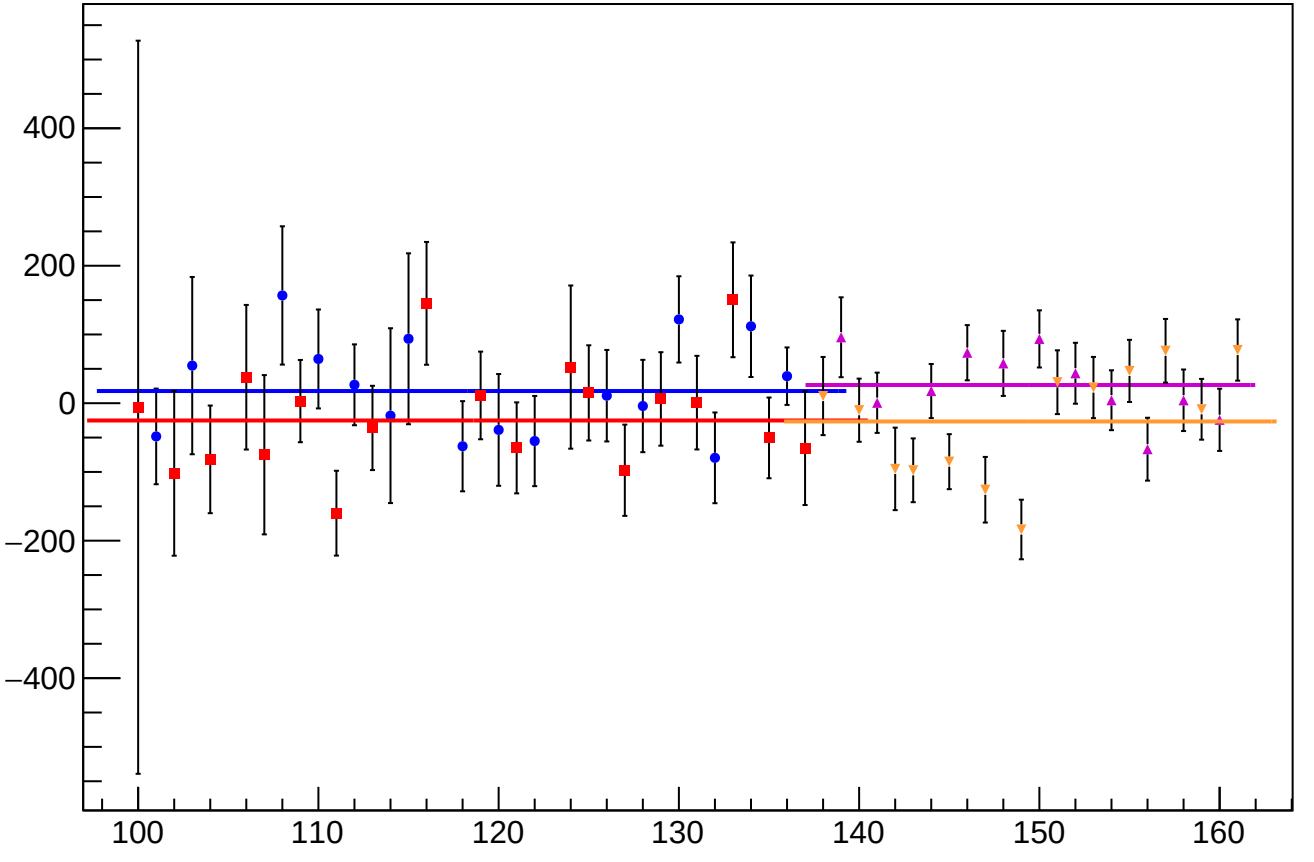
Left In: 345.100+/-0.081 χ^2/NDF:683710.1/10

\+ sign 382.688+/-0.067 χ^2/NDF: 2622012.9/28

All: 382.552+/-0.048 χ^2/NDF: 5062138.1/58

\- sign 382.412+/-0.068 χ^2/NDF: 2440117.0/29

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -26.576+/-12.846 χ^2/NDF:39.8/12

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

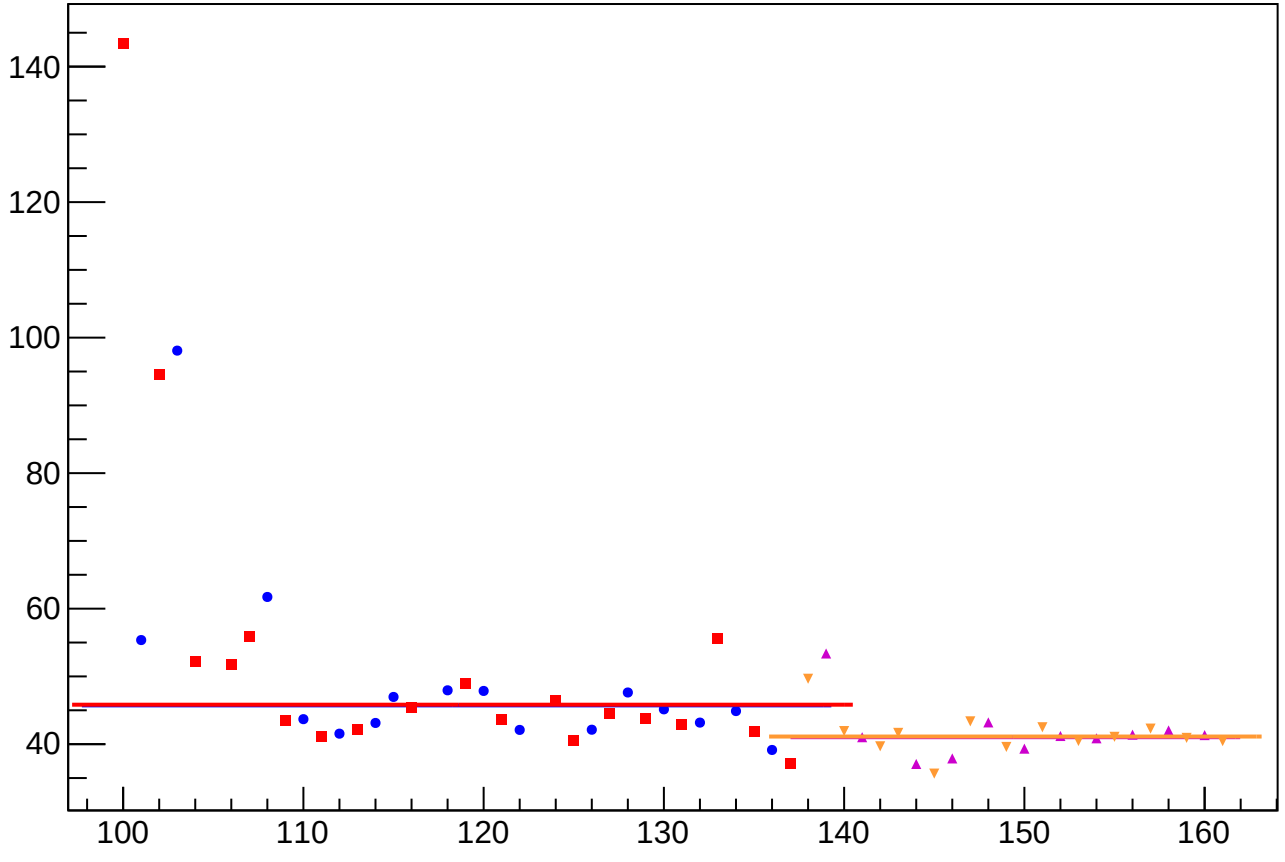
Left In: 26.468+/-13.352 χ^2/NDF:12.3/10

+ sign -11.036+/-10.349 χ^2/NDF: 57.9/28

All: -2.092+/-7.398 χ^2/NDF: 95.3/58

- sign 7.254+/-10.579 χ^2/NDF: 35.9/29

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.127+/-0.009 χ^2/NDF:95303.7/12

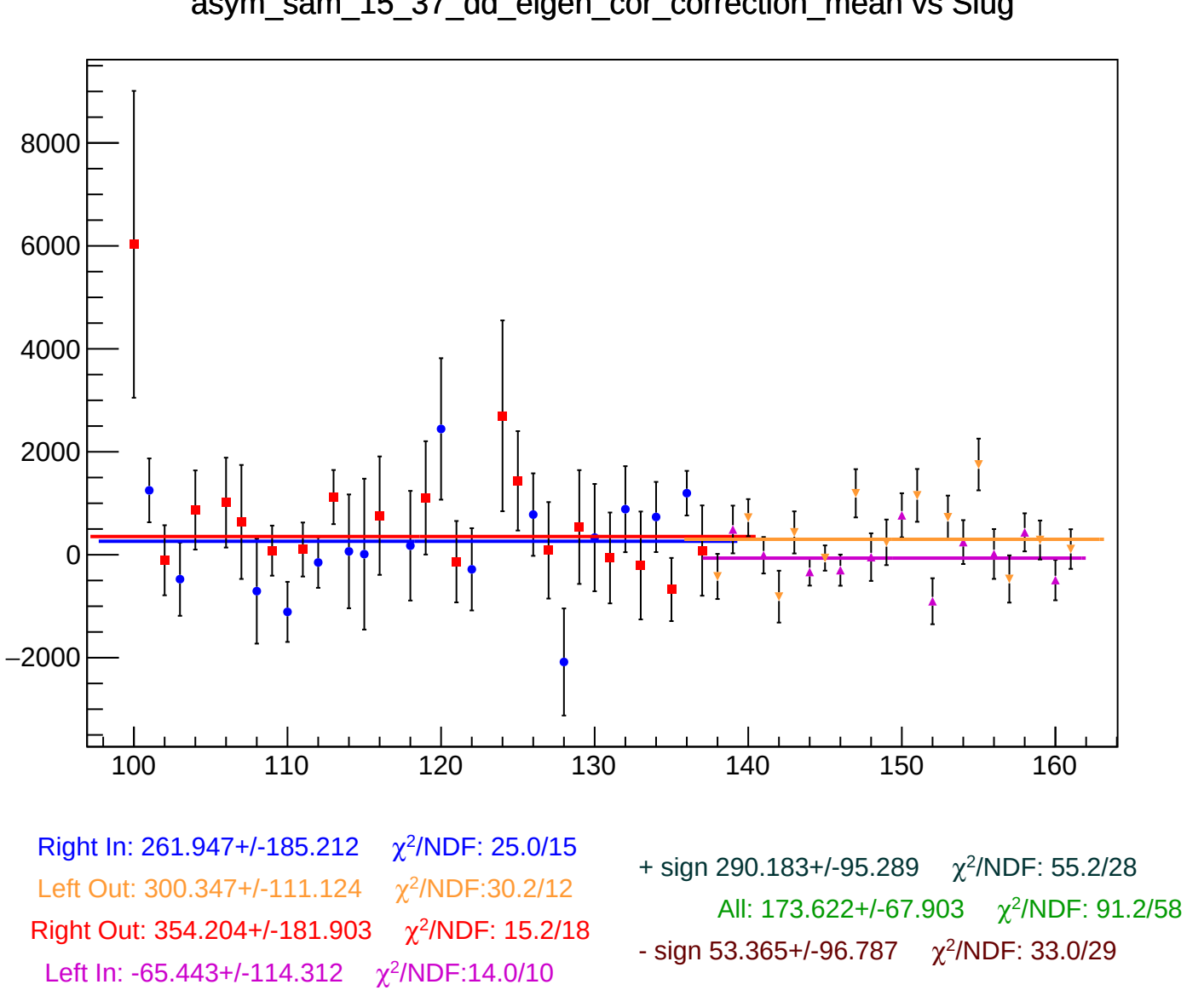
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

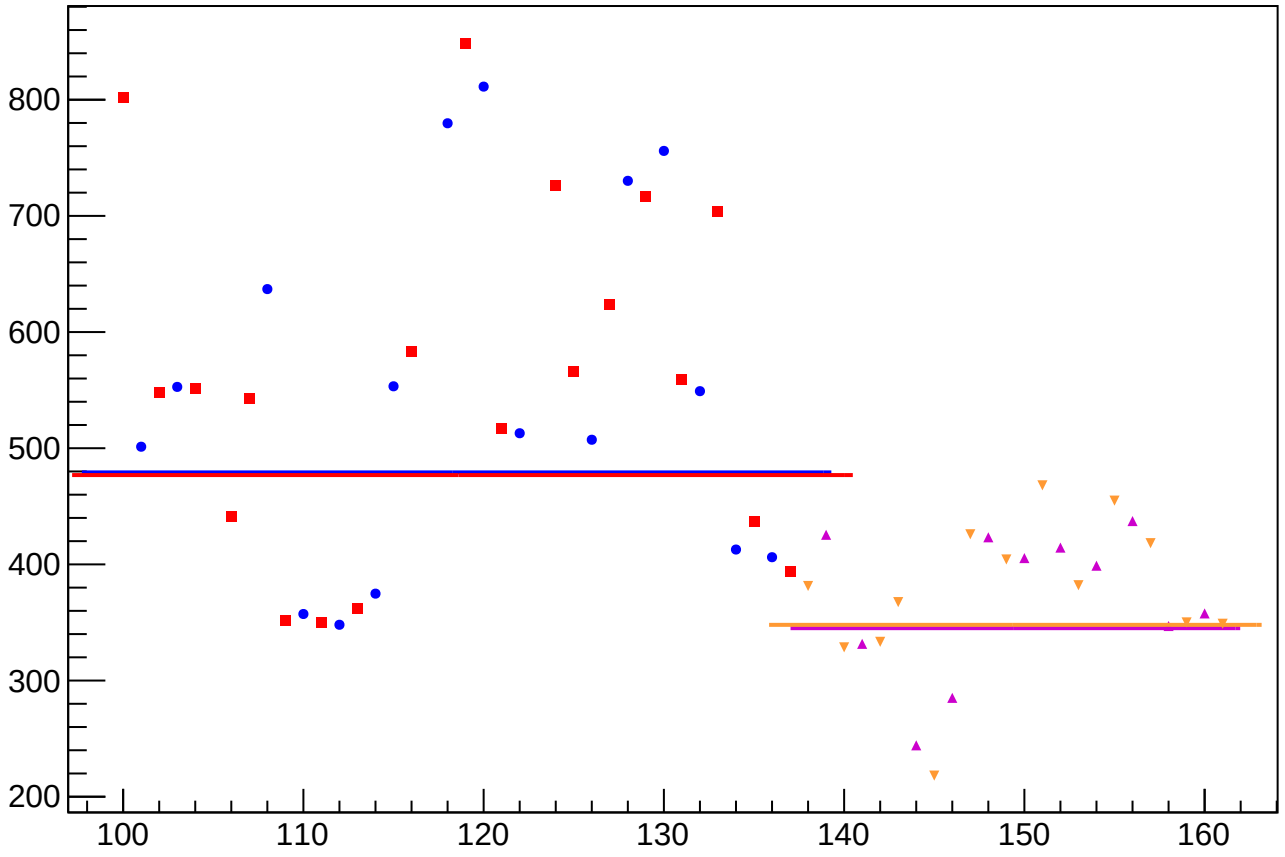
Left In: 41.030+/-0.009 χ^2/NDF:131536.6/10

+ sign 42.741+/-0.007 χ^2/NDF: 686758.0/28

All: 42.777+/-0.005 χ^2/NDF: 1452854.2/58

- sign 42.815+/-0.007 χ^2/NDF: 766046.4/29


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 300.347+/-111.124 χ²/NDF:30.2/12
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: -65.443+/-114.312 χ²/NDF:14.0/10
+ sign 290.183+/-95.289 χ²/NDF: 55.2/28
All: 173.622+/-67.903 χ²/NDF: 91.2/58
- sign 53.365+/-96.787 χ²/NDF: 33.0/29



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 347.953+/-0.079 χ^2/NDF:931036.9/12

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

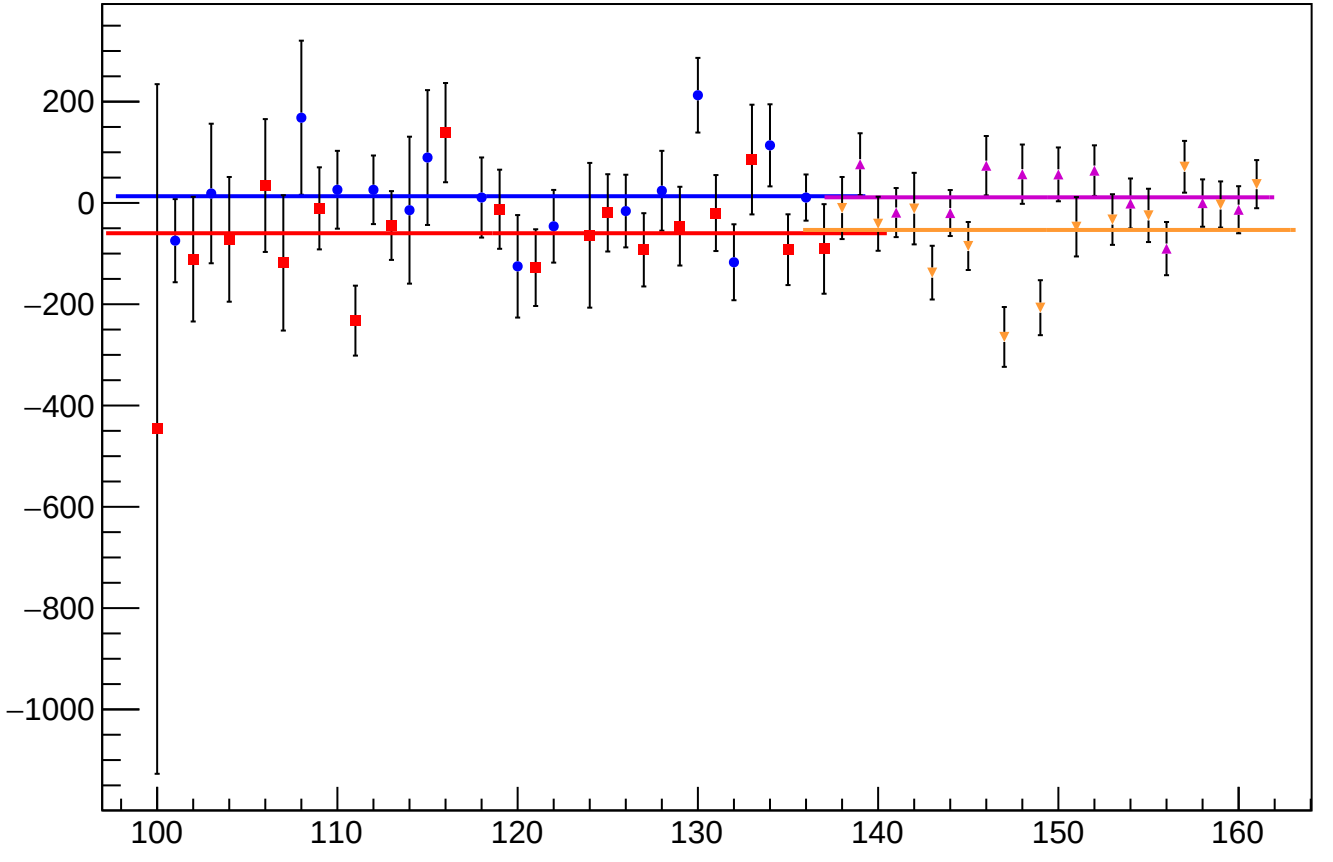
Left In: 345.100+/-0.081 χ^2/NDF:683710.1/10

\+ sign 382.688+/-0.067 χ^2/NDF: 2622012.9/28

All: 382.552+/-0.048 χ^2/NDF: 5062138.1/58

\- sign 382.412+/-0.068 χ^2/NDF: 2440117.0/29

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -53.334+/-14.736 χ^2/NDF:35.9/12

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

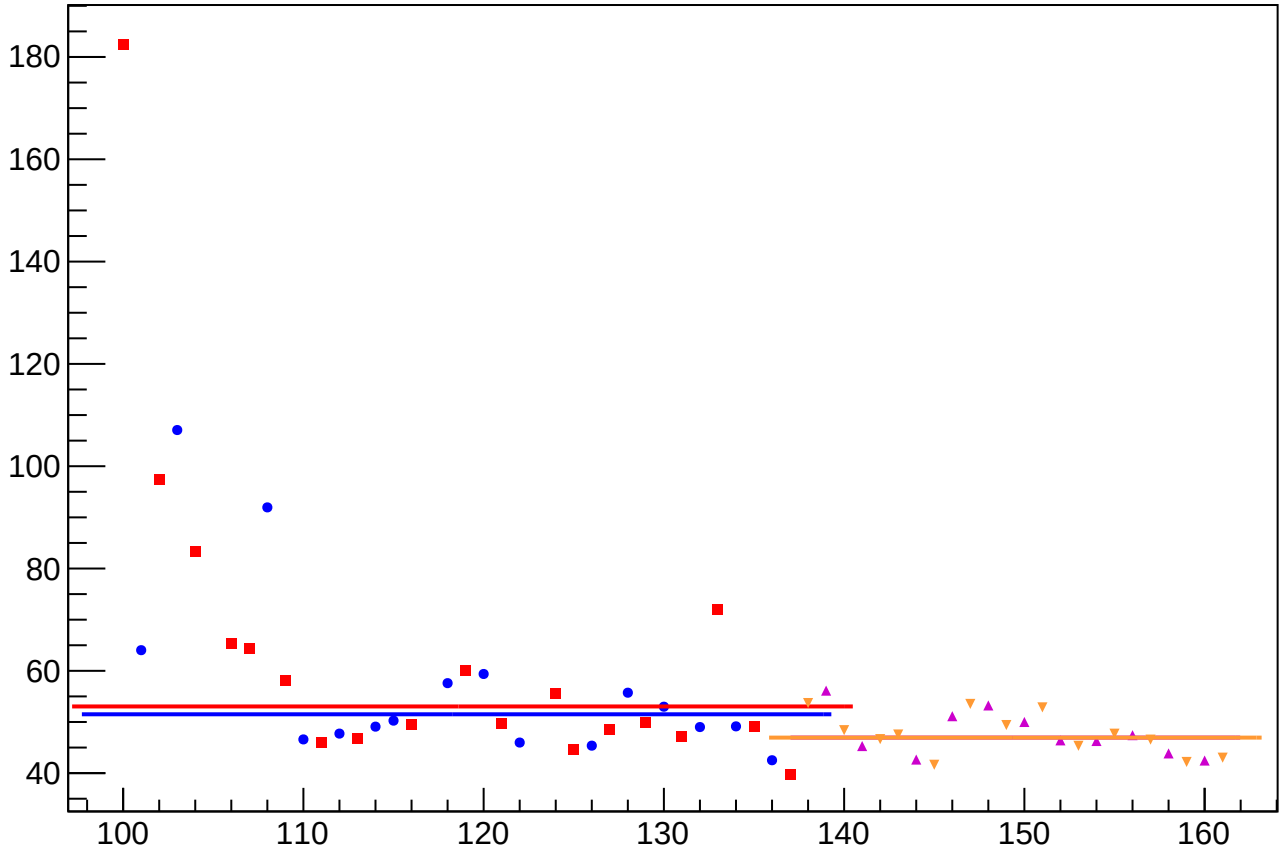
Left In: 11.104+/-15.416 χ^2/NDF:9.7/10

+ sign -29.669+/-11.832 χ^2/NDF: 60.4/28

All: -22.568+/-8.515 χ^2/NDF: 94.7/58

- sign -14.941+/-12.262 χ^2/NDF: 33.6/29

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 46.946+/-0.010 χ^2/NDF:138492.8/12

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

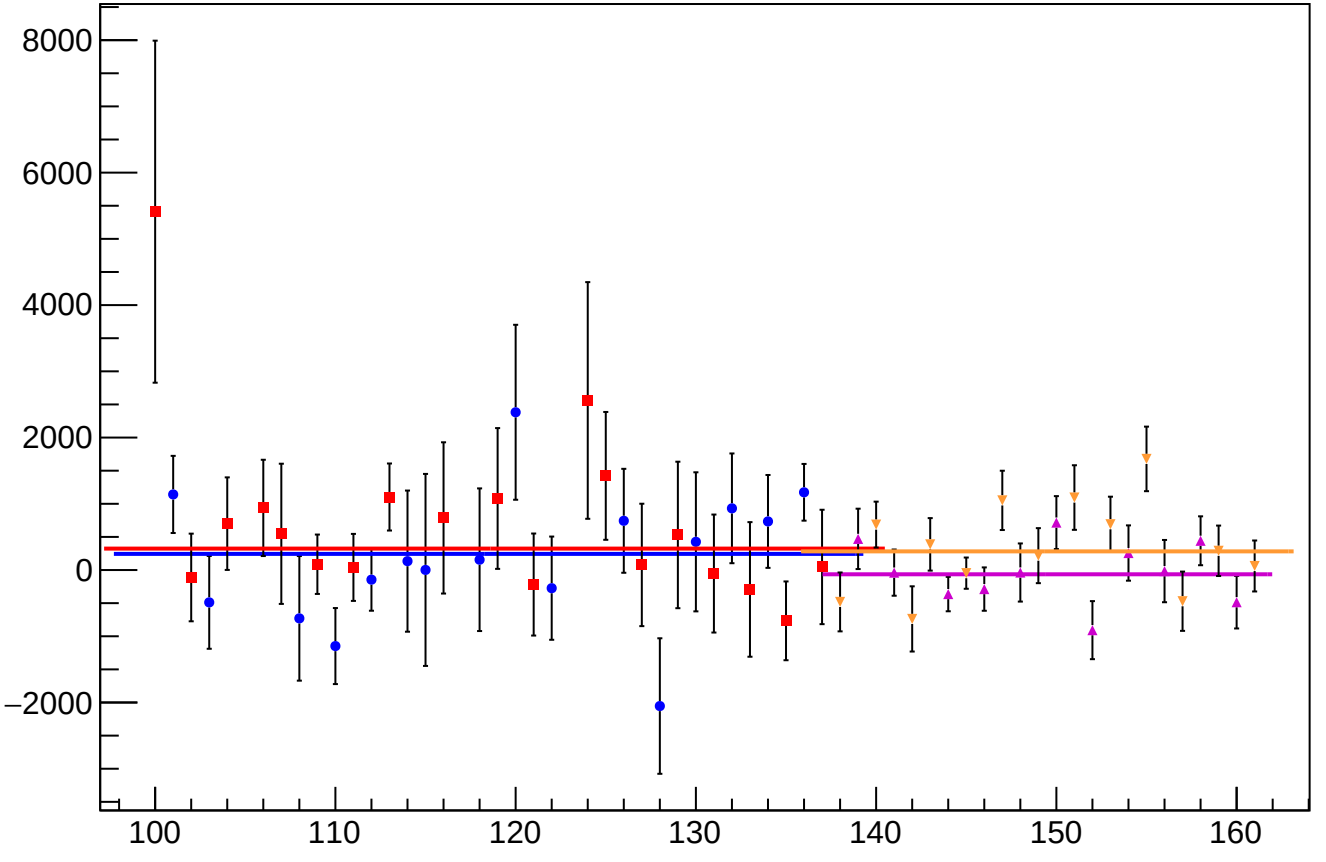
Left In: 46.949+/-0.011 χ^2/NDF:133280.3/10

+ sign 48.566+/-0.008 χ^2/NDF: 873597.4/28

All: 48.865+/-0.006 χ^2/NDF: 1836994.9/58

- sign 49.185+/-0.009 χ^2/NDF: 960755.4/29

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 281.732+/-108.157 χ^2/NDF:28.7/12

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

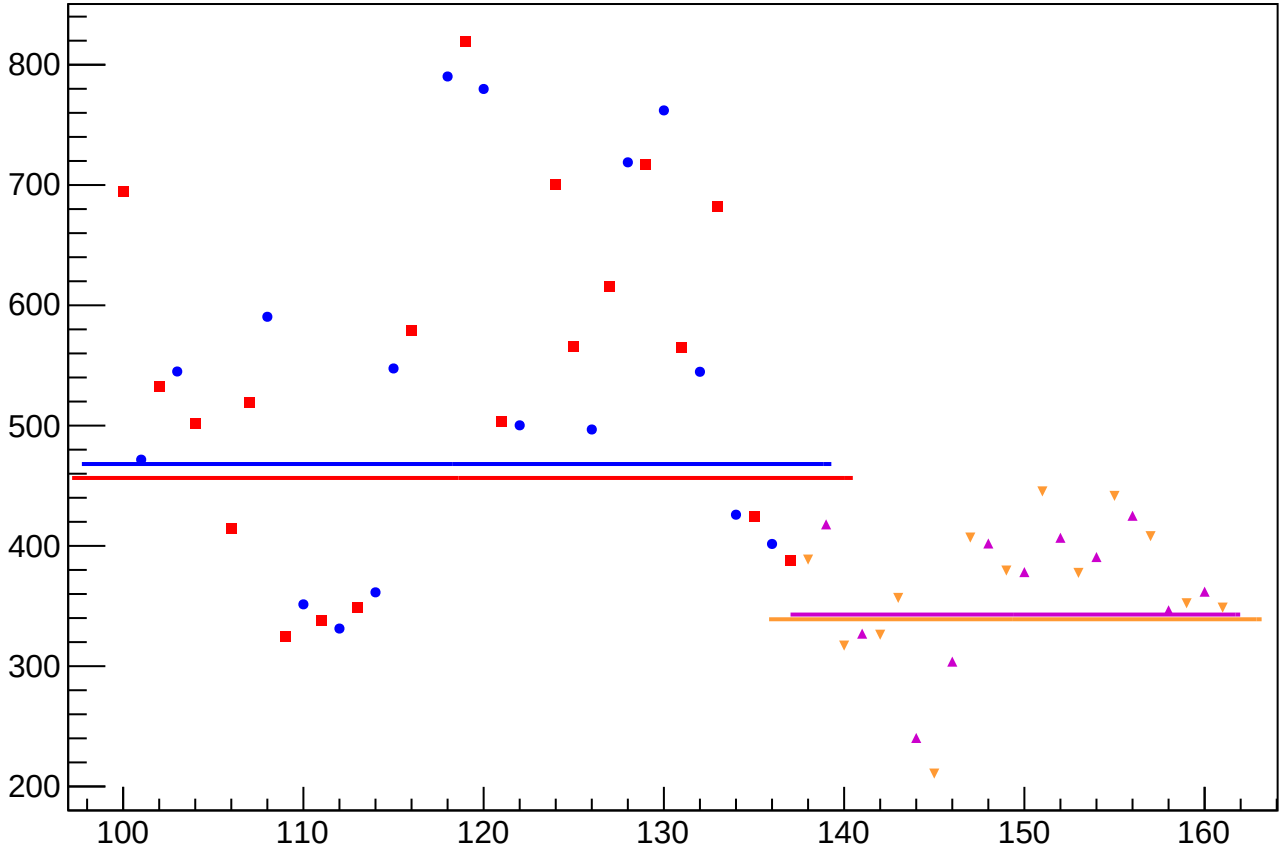
Left In: -64.211+/-113.371 χ^2/NDF:14.3/10

\+ sign 271.748+/-92.827 χ^2/NDF: 54.3/28

All: 164.193+/-66.369 χ^2/NDF: 91.3/58

\- sign 51.715+/-94.928 χ^2/NDF: 34.3/29

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 338.995+/-0.076 χ^2/NDF:947225.2/12

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

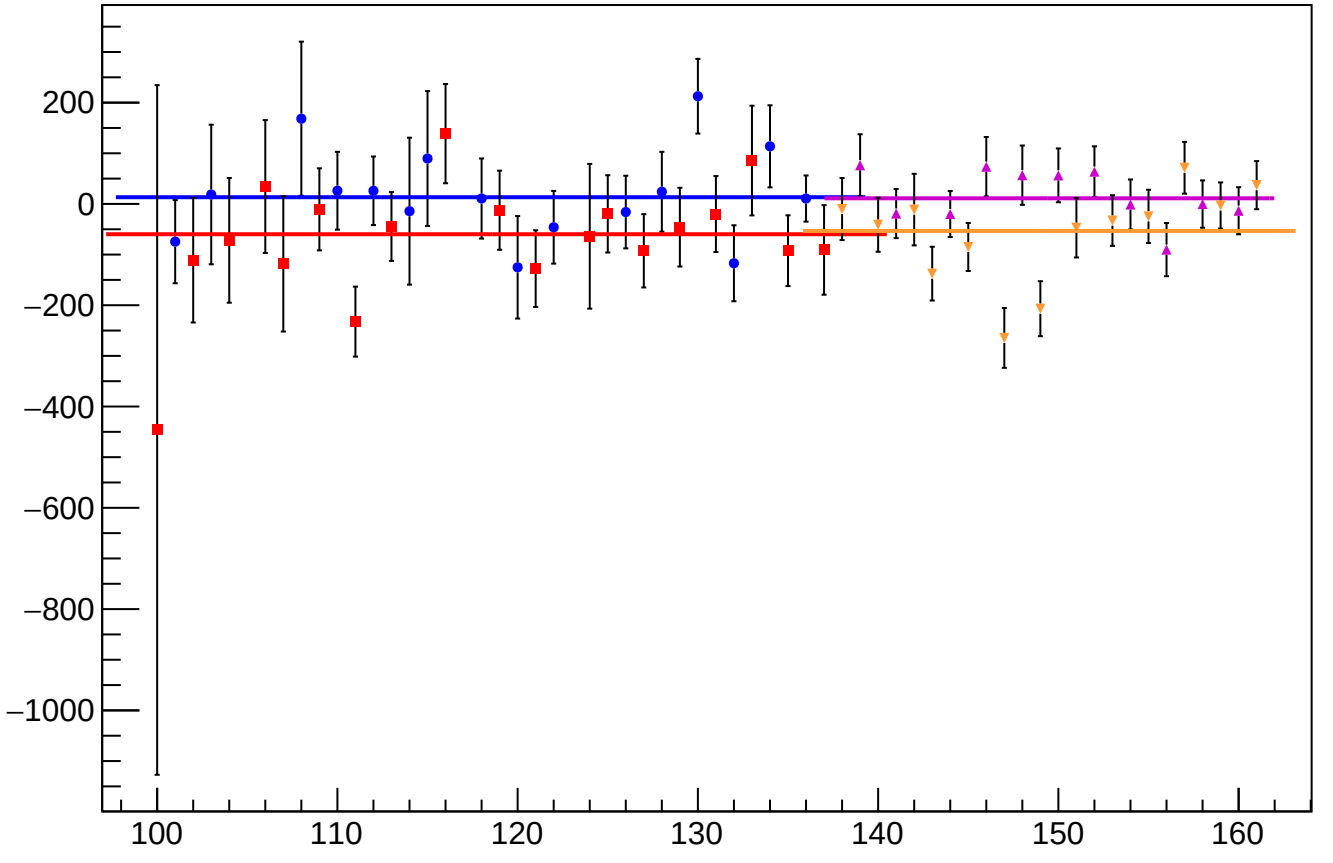
Left In: 342.918+/-0.080 χ^2/NDF:584916.3/10

\+ sign 372.991+/-0.066 χ^2/NDF: 2680343.2/28

All: 374.882+/-0.047 χ^2/NDF: 4949210.2/58

\- sign 376.858+/-0.067 χ^2/NDF: 2267170.2/29

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -53.335+/-14.736 χ^2/NDF:35.9/12

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

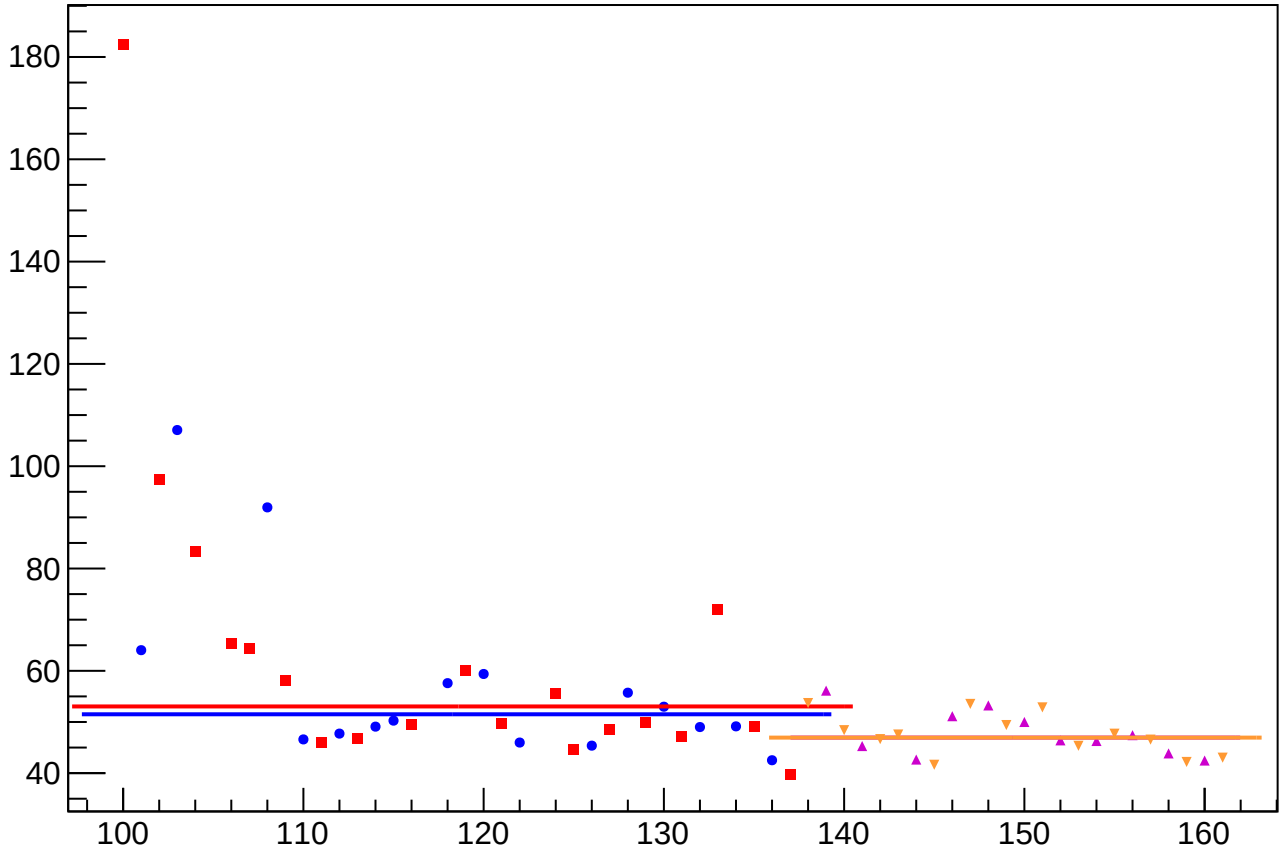
Left In: 11.104+/-15.416 χ^2/NDF:9.7/10

+ sign -29.669+/-11.832 χ^2/NDF: 60.4/28

All: -22.568+/-8.515 χ^2/NDF: 94.7/58

- sign -14.941+/-12.262 χ^2/NDF: 33.6/29

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 46.946+/-0.010 χ^2/NDF:138495.4/12

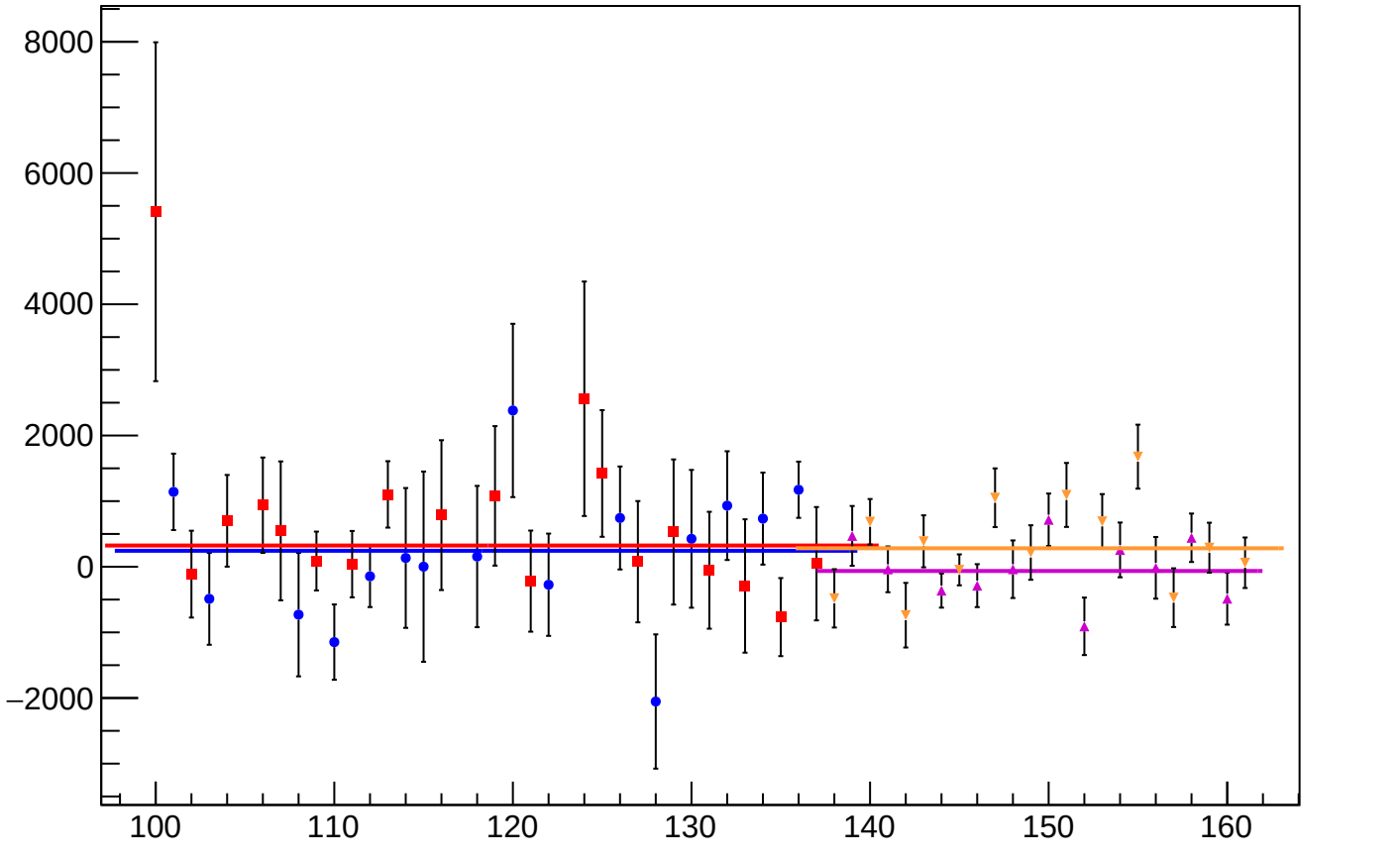
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 46.949+/-0.011 χ^2/NDF:133280.6/10

+ sign 48.566+/-0.008 χ^2/NDF: 873604.3/28

All: 48.865+/-0.006 χ^2/NDF: 1837011.5/58

- sign 49.185+/-0.009 χ^2/NDF: 960765.0/29



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 281.732+/-108.157 χ^2/NDF:28.7/12

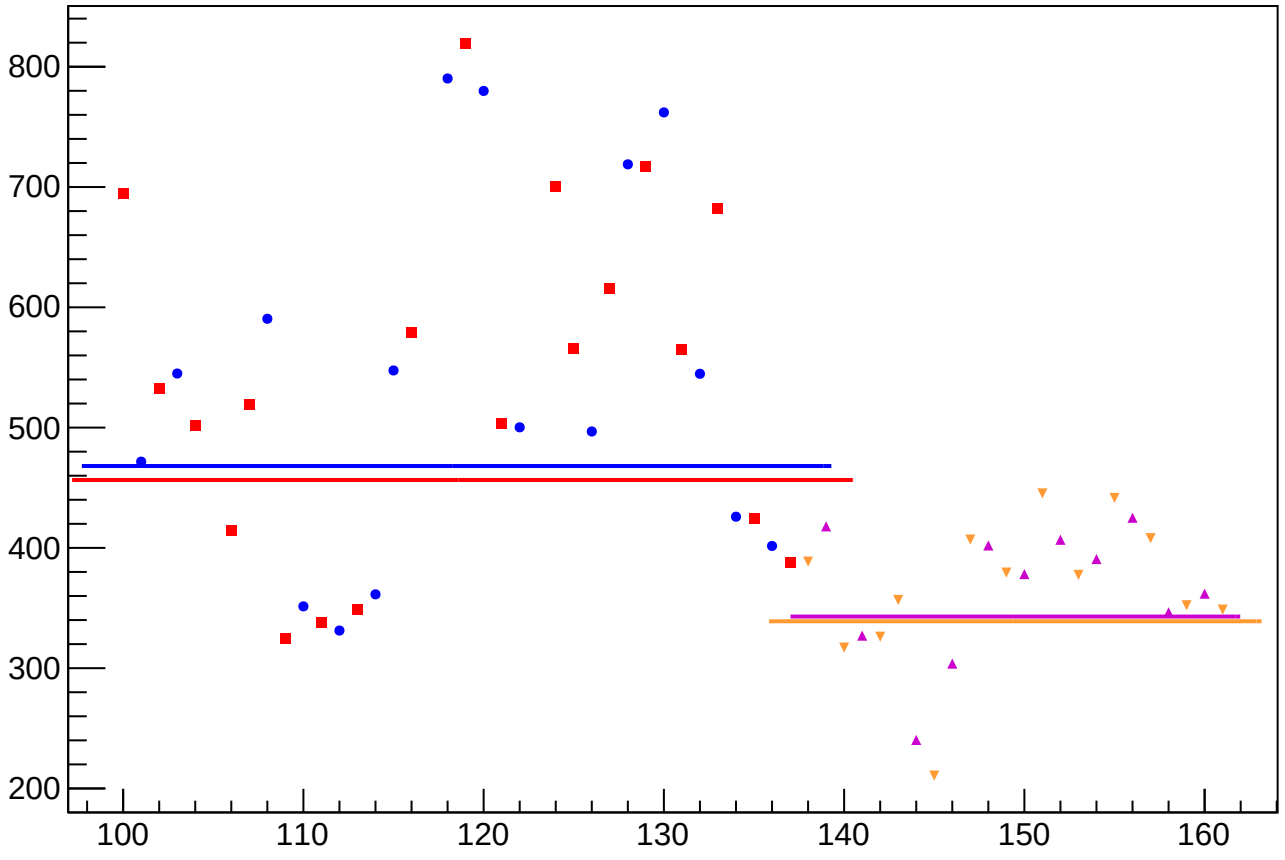
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -64.211+/-113.371 χ^2/NDF:14.3/10

\+ sign 271.748+/-92.826 χ^2/NDF: 54.3/28

All: 164.193+/-66.369 χ^2/NDF: 91.3/58

\- sign 51.715+/-94.928 χ^2/NDF: 34.3/29



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 338.995+/-0.076 χ^2/NDF:947229.7/12

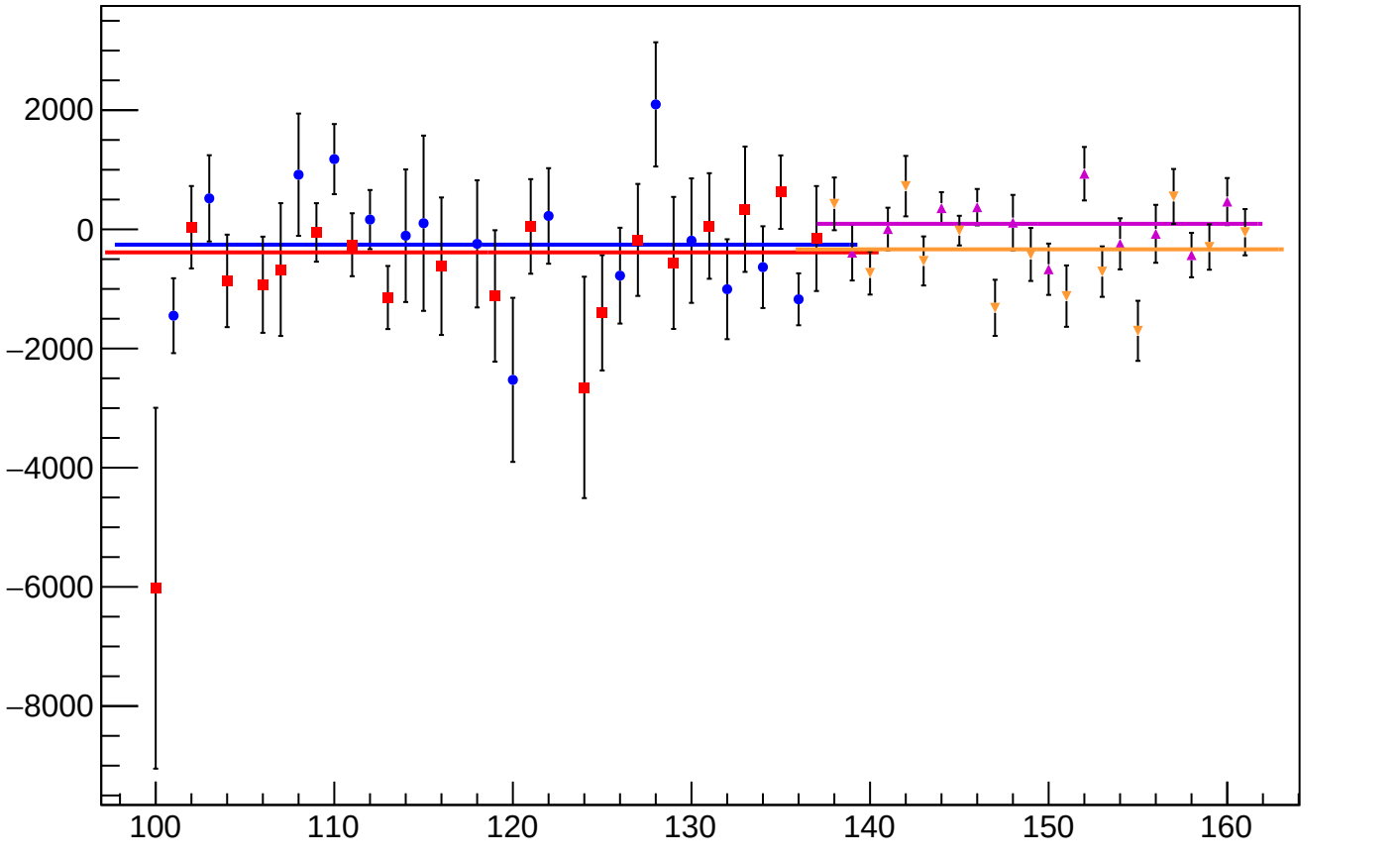
Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 342.918+/-0.080 χ^2/NDF:584917.8/10

+ sign 372.991+/-0.066 χ^2/NDF: 2680341.6/28

All: 374.881+/-0.047 χ^2/NDF: 4949198.9/58

- sign 376.858+/-0.067 χ^2/NDF: 2267160.4/29



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -335.237+/-111.984 χ^2/NDF:29.5/12

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

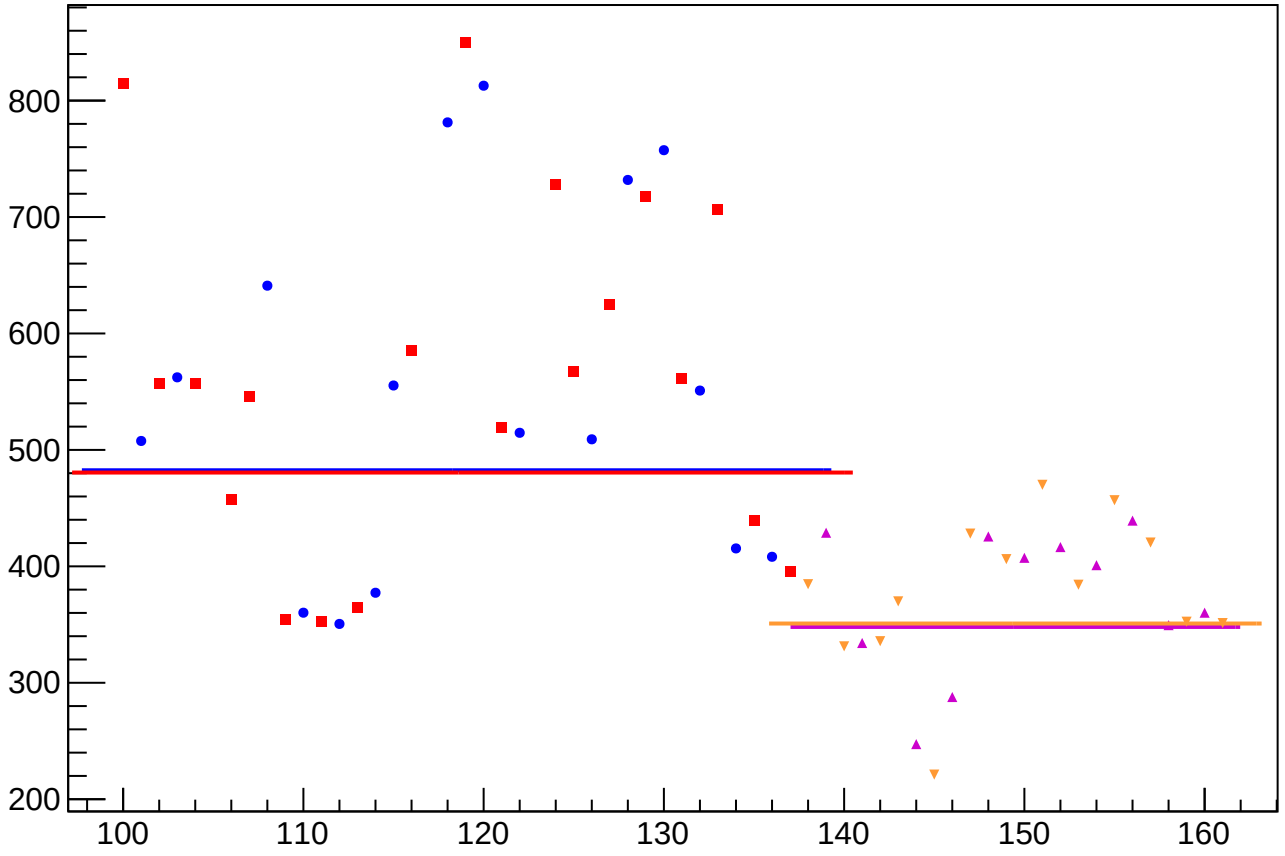
Left In: 92.812+/-115.196 χ^2/NDF:13.2/10

+ sign -314.431+/-96.001 χ^2/NDF: 56.5/28

All: -181.102+/-68.370 χ^2/NDF: 92.8/58

- sign -43.882+/-97.392 χ^2/NDF: 32.4/29

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 350.889+/-0.079 χ^2/NDF:905549.8/12

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

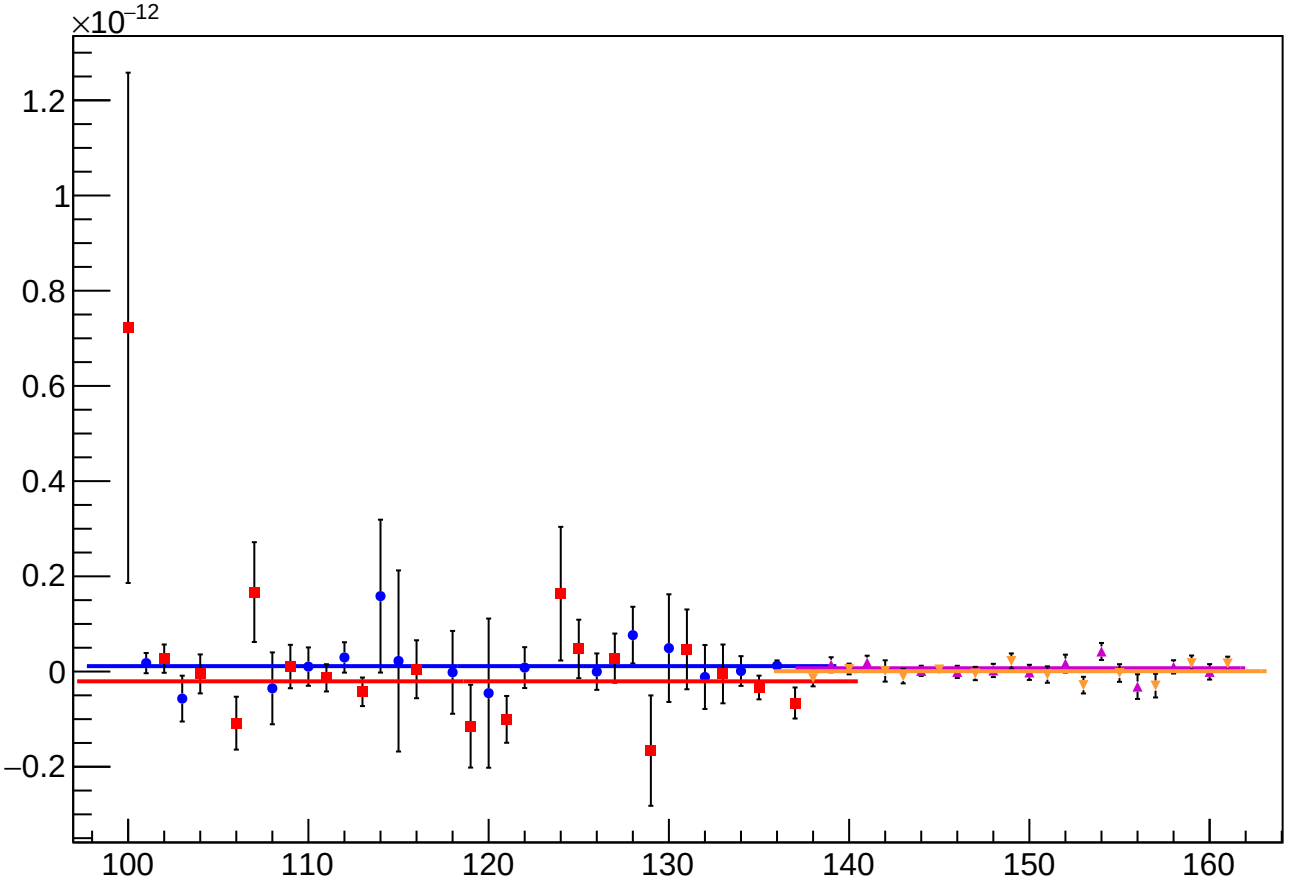
Left In: 347.963+/-0.081 χ^2/NDF:666563.4/10

+ sign 385.780+/-0.068 χ^2/NDF: 2584488.7/28

All: 385.781+/-0.048 χ^2/NDF: 5000627.4/58

- sign 385.782+/-0.069 χ^2/NDF: 2416138.7/29

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

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

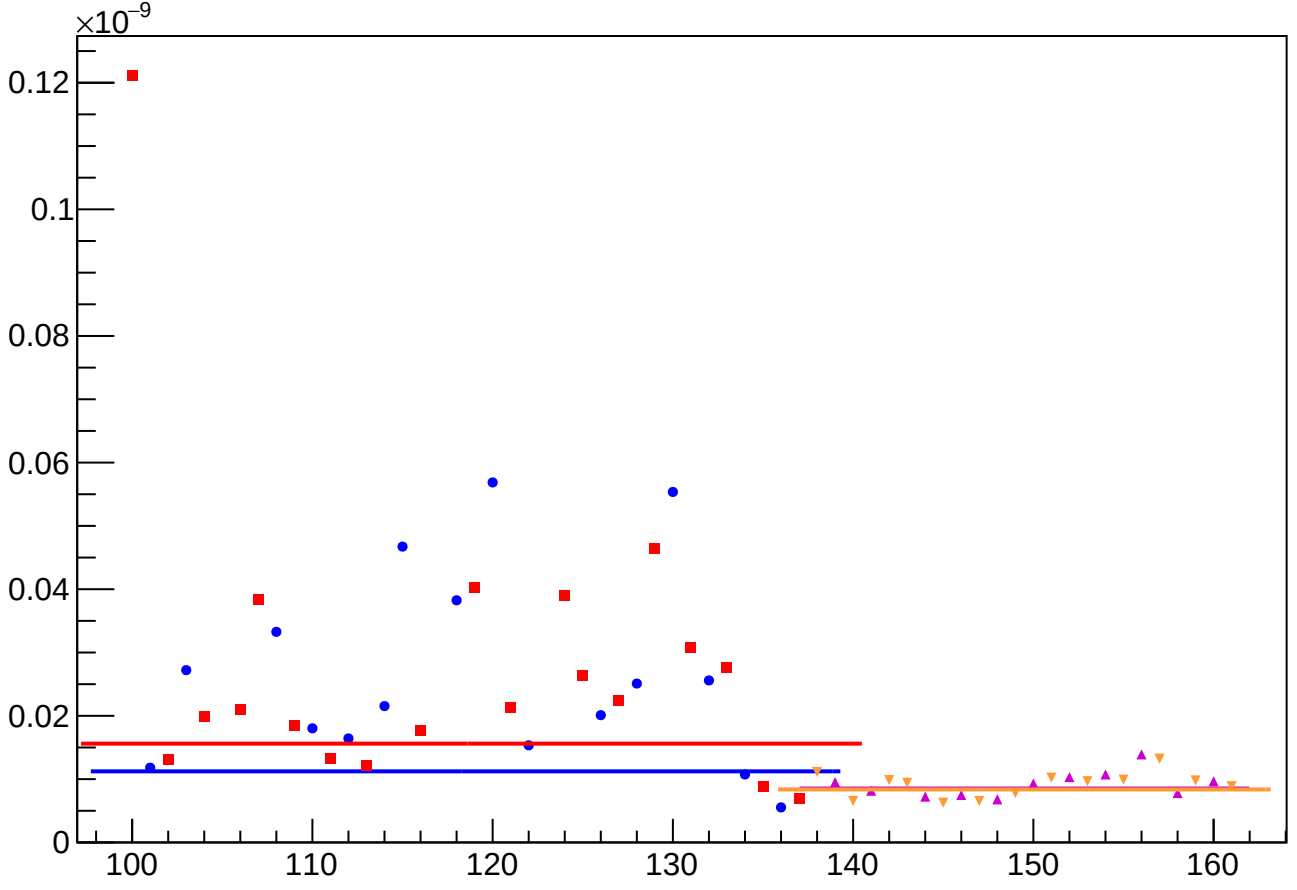
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:8.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 17.1/28

All: 0.000+/-0.000 χ^2/NDF: 55.4/58

- sign 0.000+/-0.000 χ^2/NDF: 38.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:396173.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

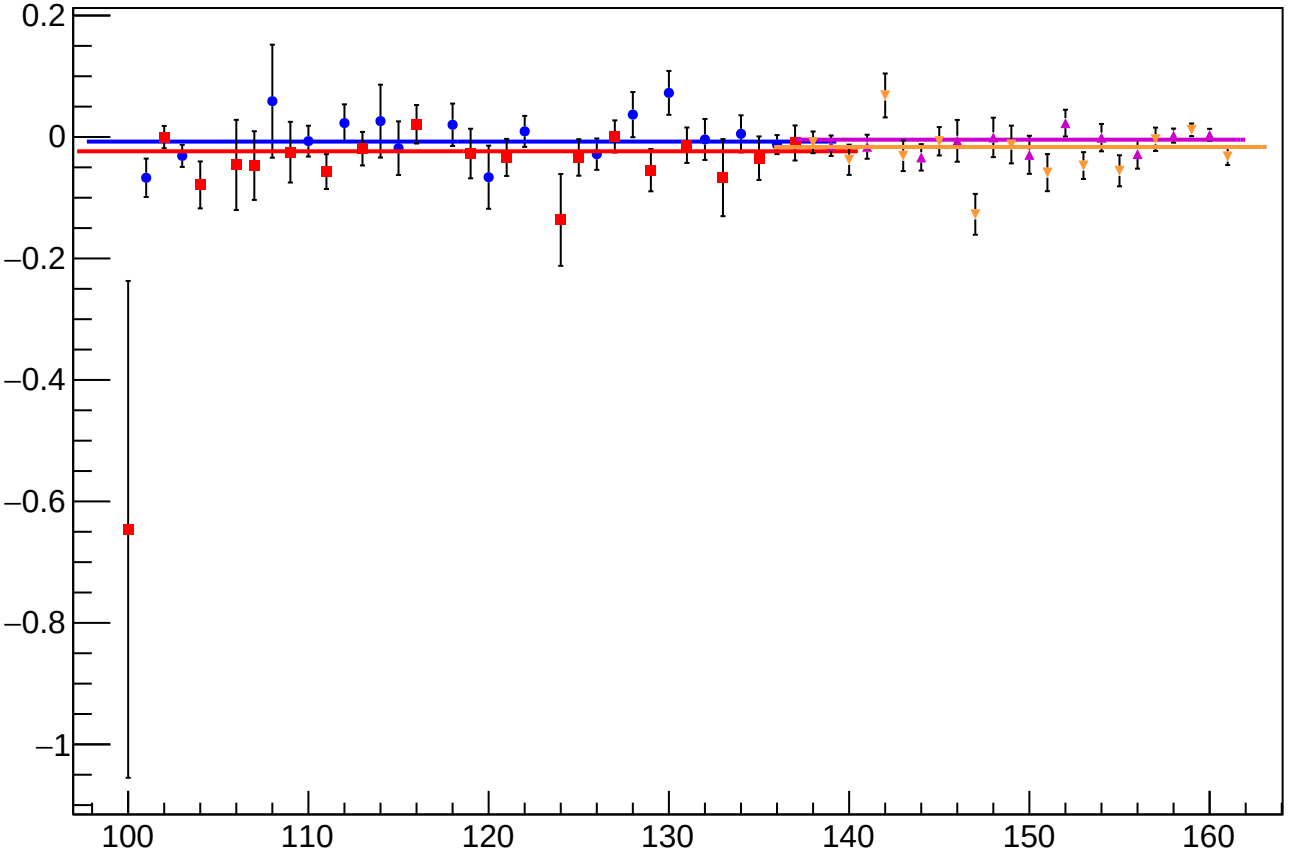
Left In: 0.000+/-0.000 χ^2/NDF:237260.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 2700541.4/28

All: 0.000+/-0.000 χ^2/NDF: 4953201.1/58

- sign 0.000+/-0.000 χ^2/NDF: 2222302.4/29

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: -0.016+/-0.006 χ^2/NDF:32.9/12

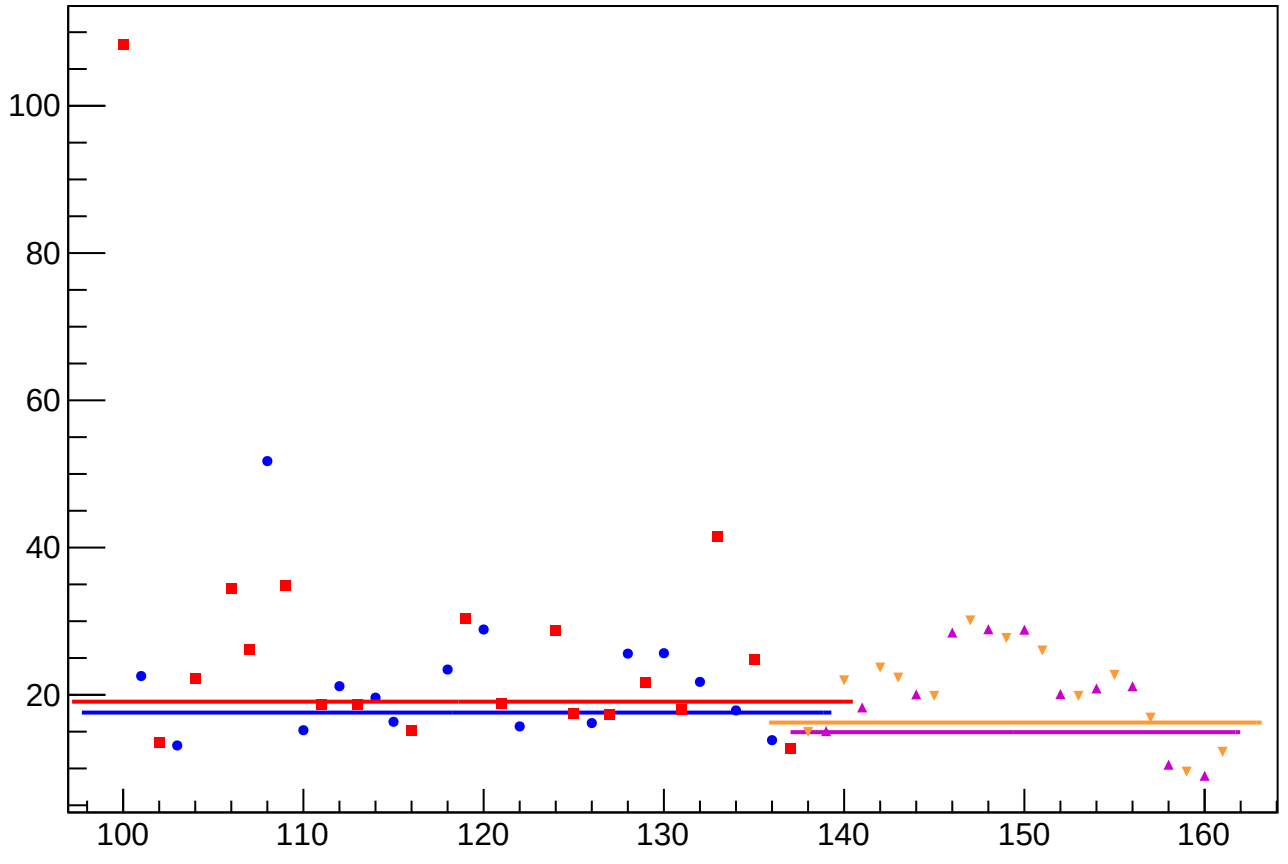
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.004+/-0.005 χ^2/NDF:6.6/10

+ sign -0.013+/-0.004 χ^2/NDF: 50.5/28

All: -0.012+/-0.003 χ^2/NDF: 76.0/58

- sign -0.011+/-0.004 χ^2/NDF: 25.4/29



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.236+/-0.004 χ^2/NDF:2339884.3/12

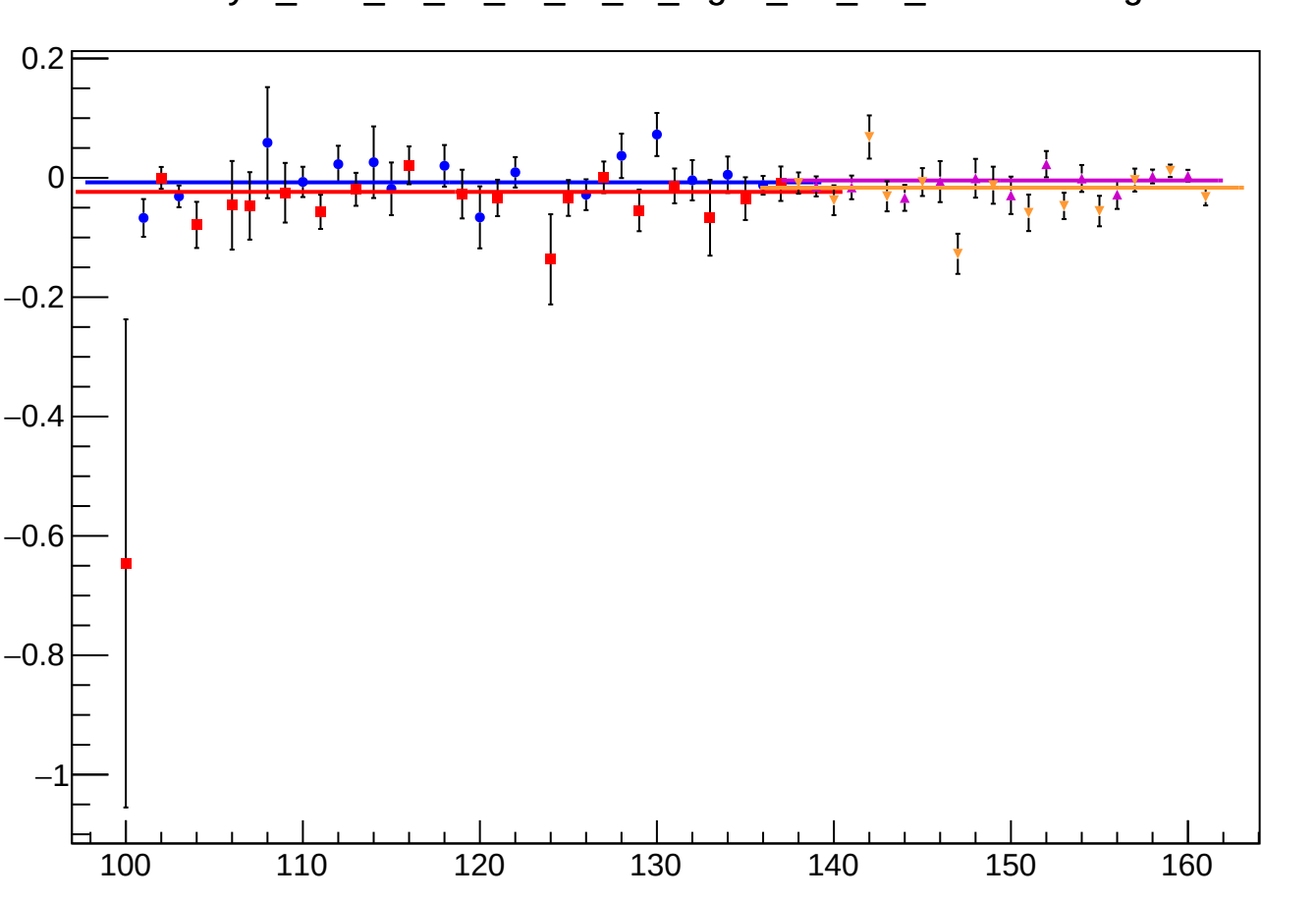
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.932+/-0.004 χ^2/NDF:2615727.2/10

+ sign 16.742+/-0.003 χ^2/NDF: 3377556.1/28

All: 16.518+/-0.002 χ^2/NDF: 7635838.9/58

- sign 16.290+/-0.003 χ^2/NDF: 4247827.5/29



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.016+/-0.006 χ^2/NDF:32.9/12

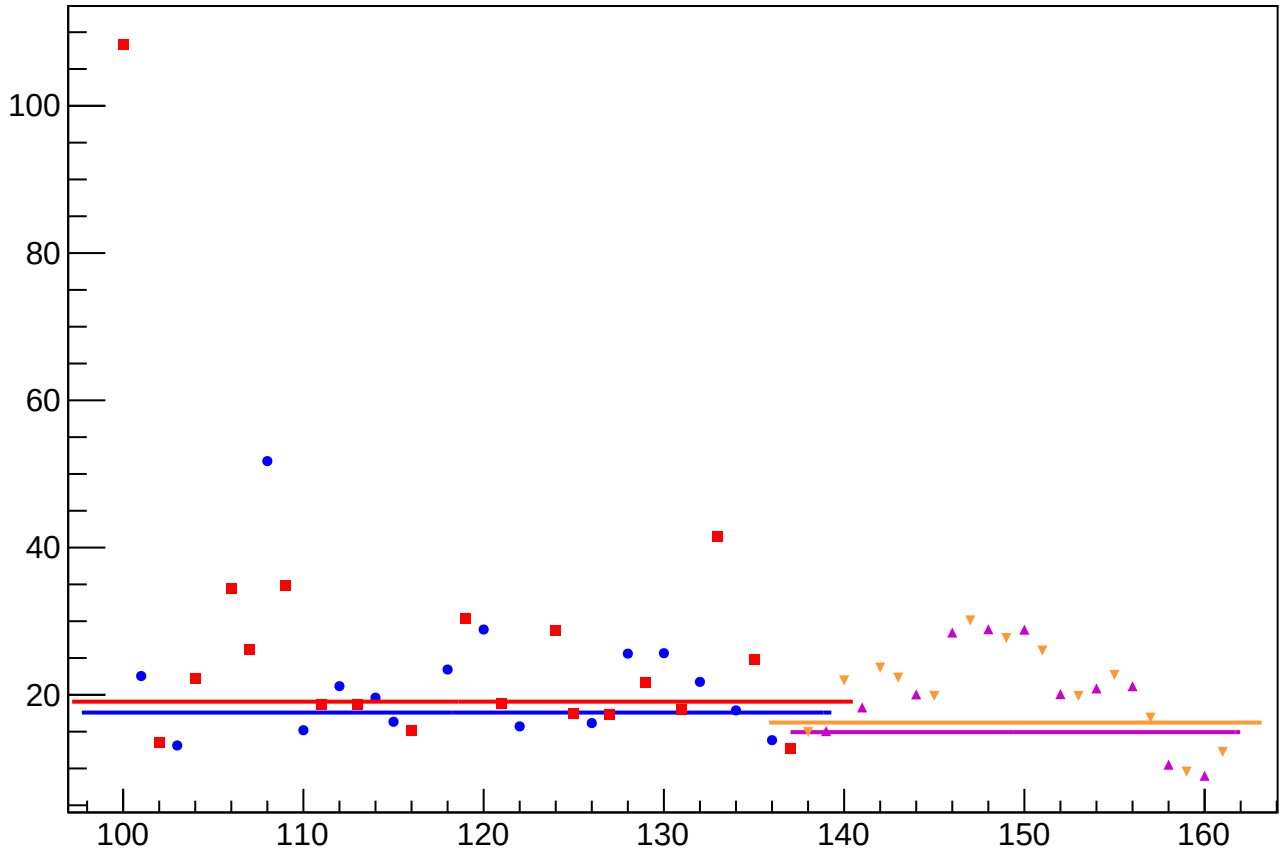
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.004+/-0.005 χ^2/NDF:6.6/10

+ sign -0.013+/-0.004 χ^2/NDF: 50.5/28

All: -0.012+/-0.003 χ^2/NDF: 76.0/58

- sign -0.011+/-0.004 χ^2/NDF: 25.4/29



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.236+/-0.004 χ^2/NDF:2339884.3/12

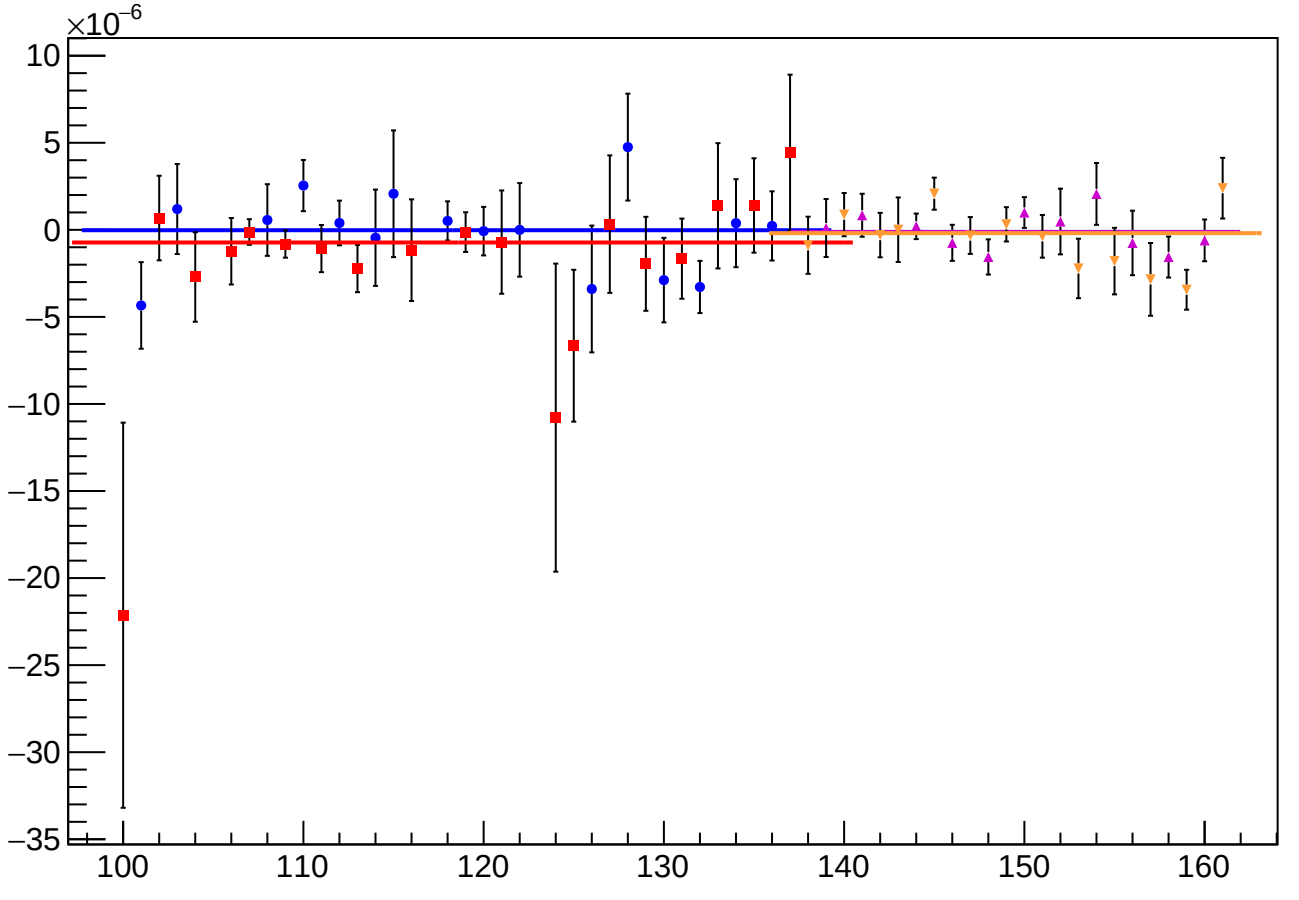
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.932+/-0.004 χ^2/NDF:2615727.2/10

+ sign 16.742+/-0.003 χ^2/NDF: 3377556.1/28

All: 16.518+/-0.002 χ^2/NDF: 7635838.9/58

- sign 16.290+/-0.003 χ^2/NDF: 4247827.5/29



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/12

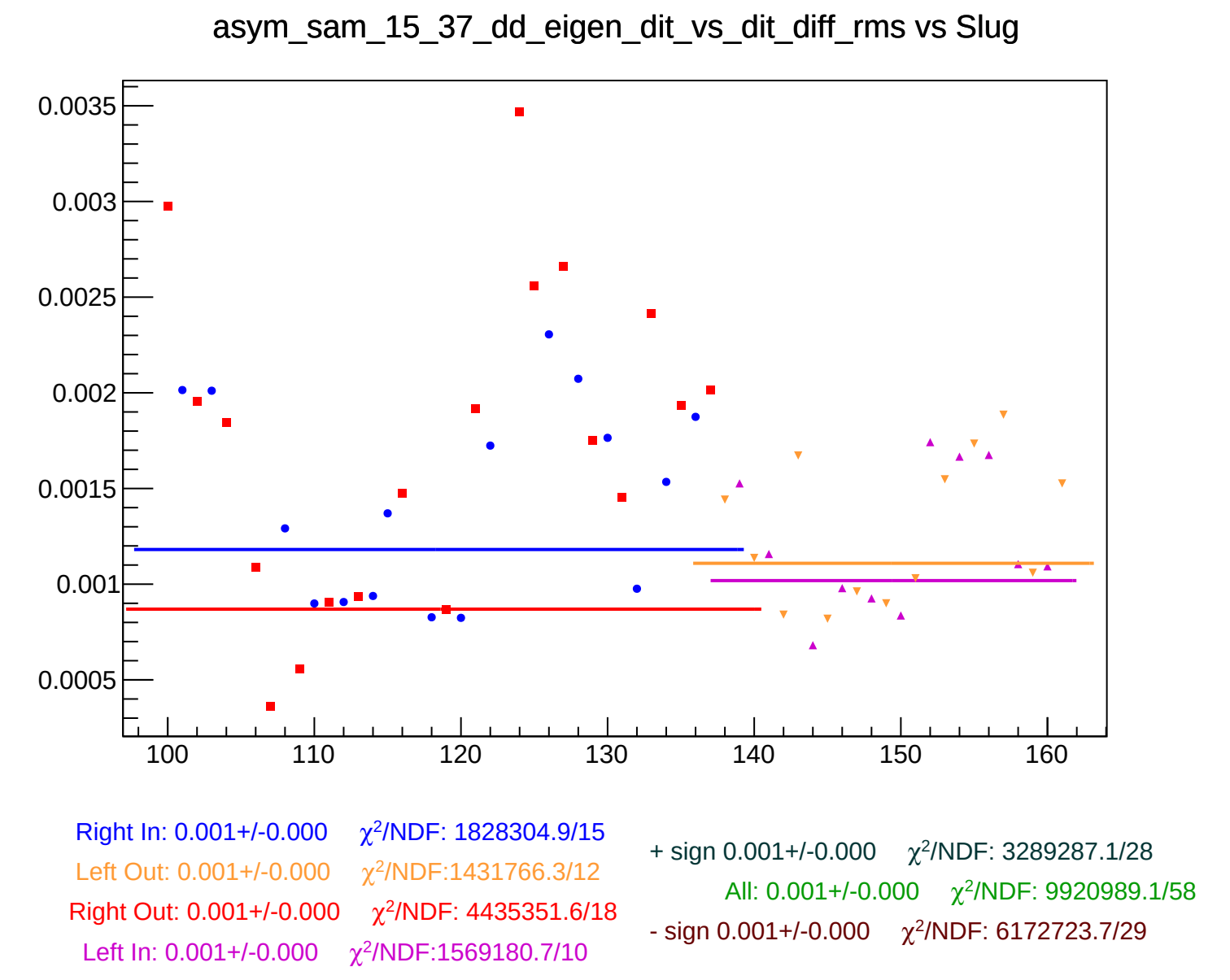
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

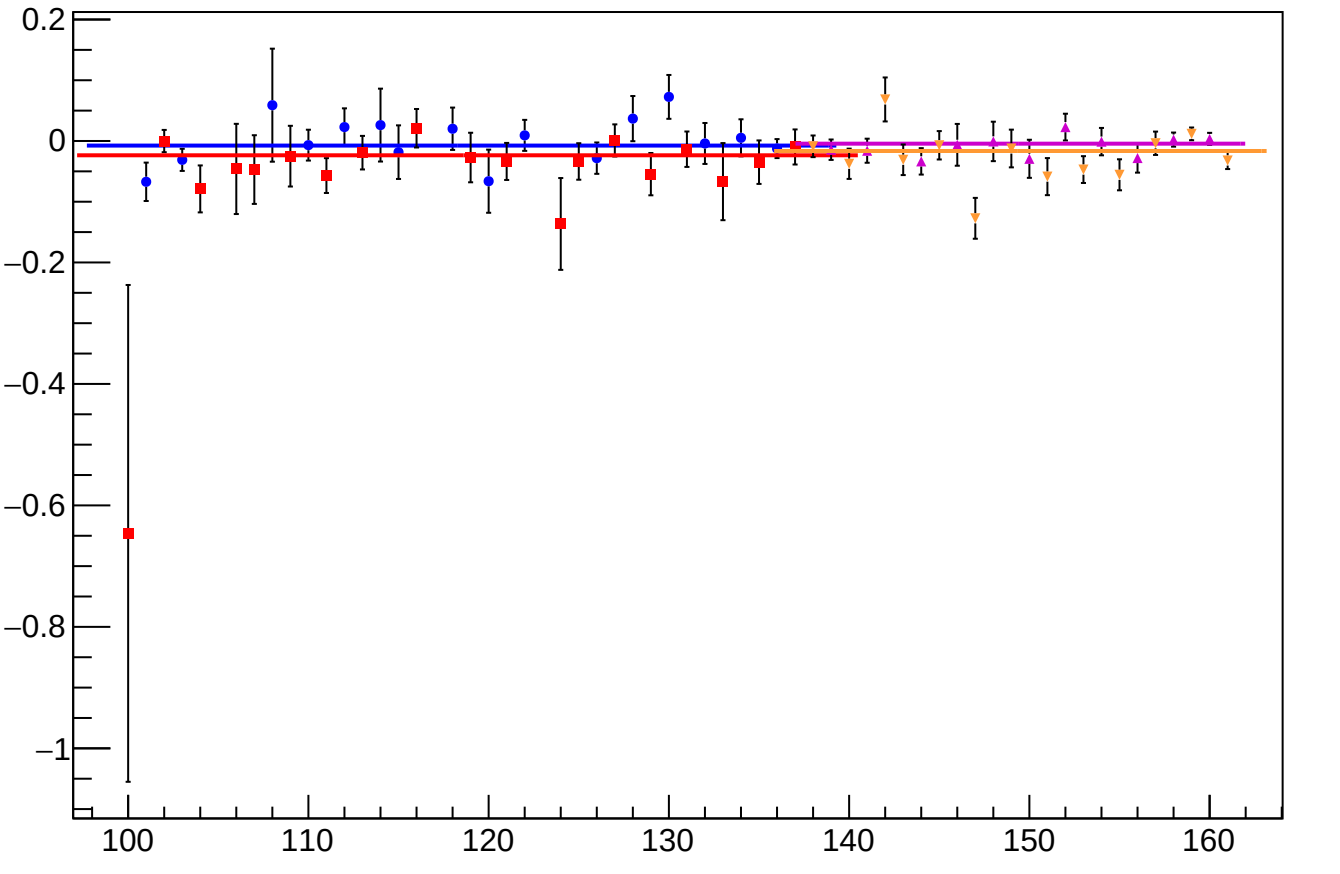
Left In: -0.000+/-0.000 χ^2/NDF:8.2/10

+ sign -0.000+/-0.000 χ^2/NDF: 37.8/28

All: -0.000+/-0.000 χ^2/NDF: 60.8/58

- sign -0.000+/-0.000 χ^2/NDF: 22.5/29


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
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1431766.3/12
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:1569180.7/10
+ sign 0.001+/-0.000 χ²/NDF: 3289287.1/28
All: 0.001+/-0.000 χ²/NDF: 9920989.1/58
- sign 0.001+/-0.000 χ²/NDF: 6172723.7/29



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.016+/-0.006 χ^2/NDF:32.9/12

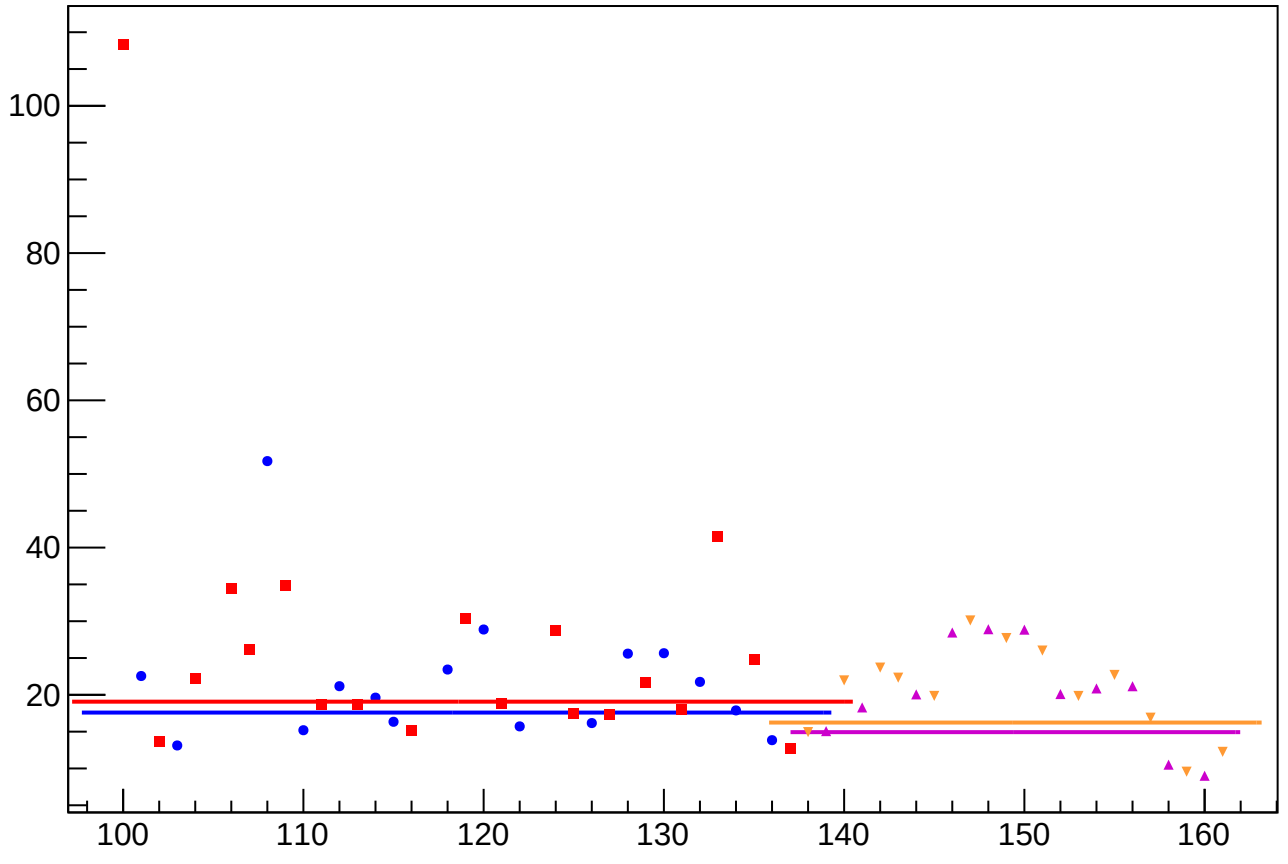
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.004+/-0.005 χ^2/NDF:6.6/10

+ sign -0.013+/-0.004 χ^2/NDF: 50.5/28

All: -0.012+/-0.003 χ^2/NDF: 76.0/58

- sign -0.011+/-0.004 χ^2/NDF: 25.4/29



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.235+/-0.004 χ^2/NDF:2340174.8/12

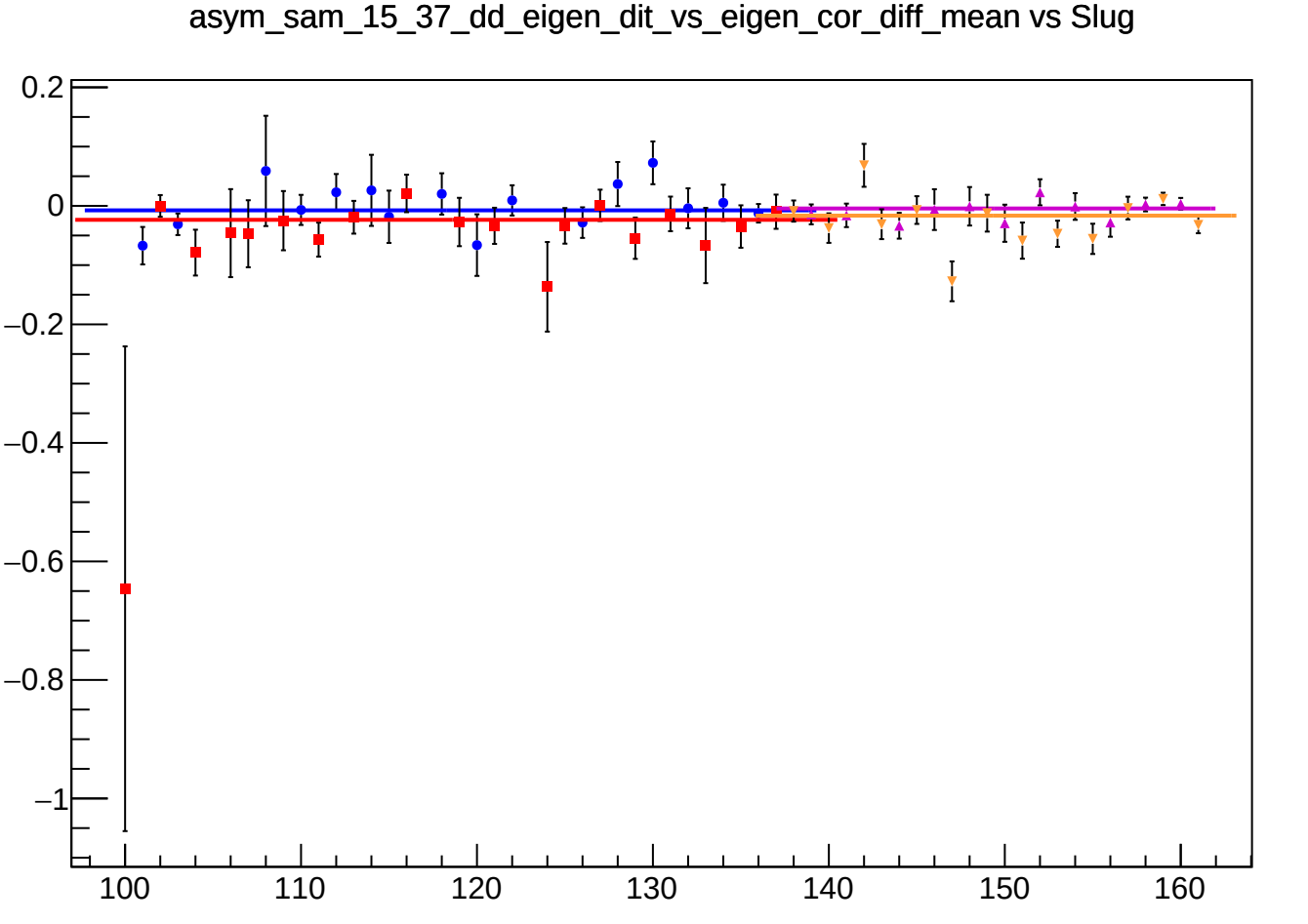
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.932+/-0.004 χ^2/NDF:2616056.7/10

+ sign 16.742+/-0.003 χ^2/NDF: 3377912.3/28

All: 16.518+/-0.002 χ^2/NDF: 7636591.4/58

- sign 16.290+/-0.003 χ^2/NDF: 4248222.2/29



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.016+/-0.006 χ^2/NDF:32.9/12

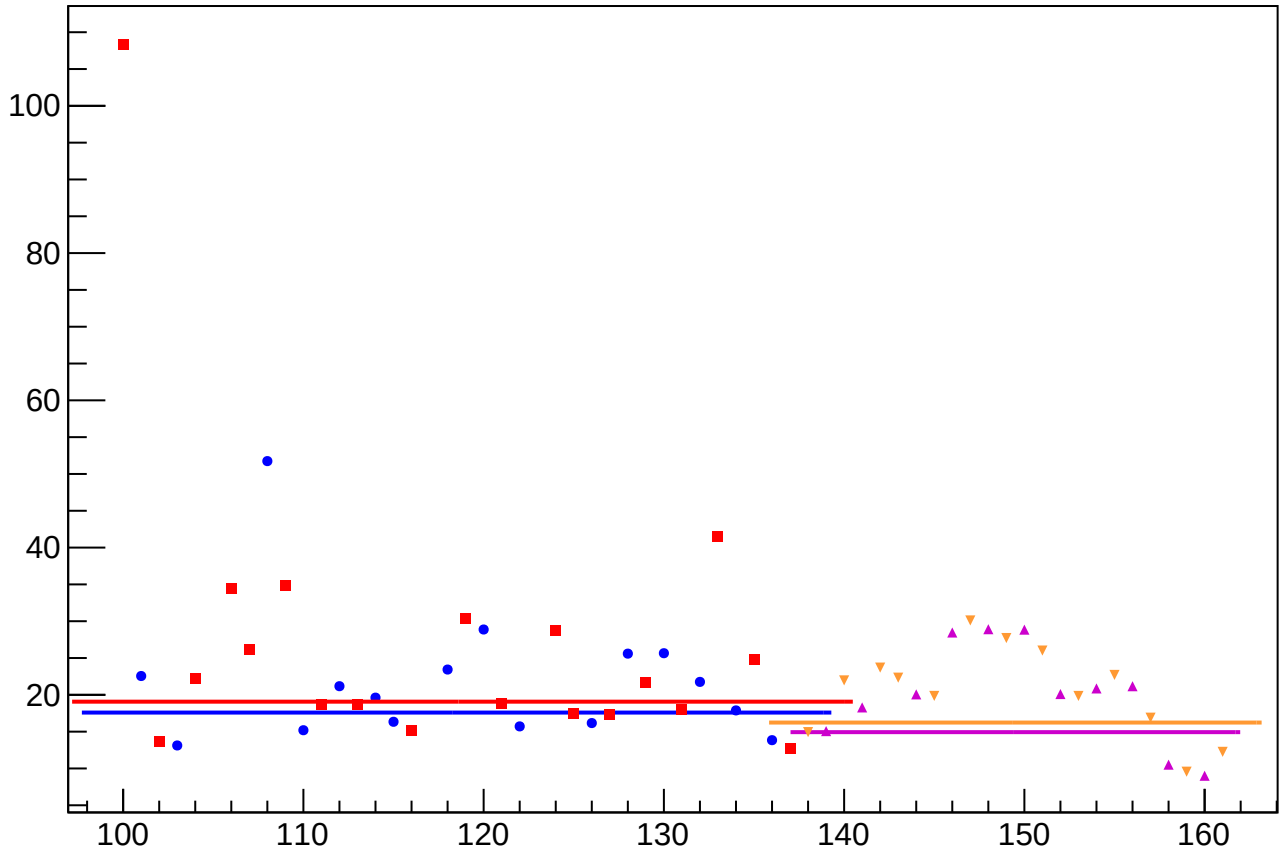
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.004+/-0.005 χ^2/NDF:6.6/10

+ sign -0.013+/-0.004 χ^2/NDF: 50.5/28

All: -0.012+/-0.003 χ^2/NDF: 76.0/58

- sign -0.011+/-0.004 χ^2/NDF: 25.4/29



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.235+/-0.004 χ^2/NDF:2340174.8/12

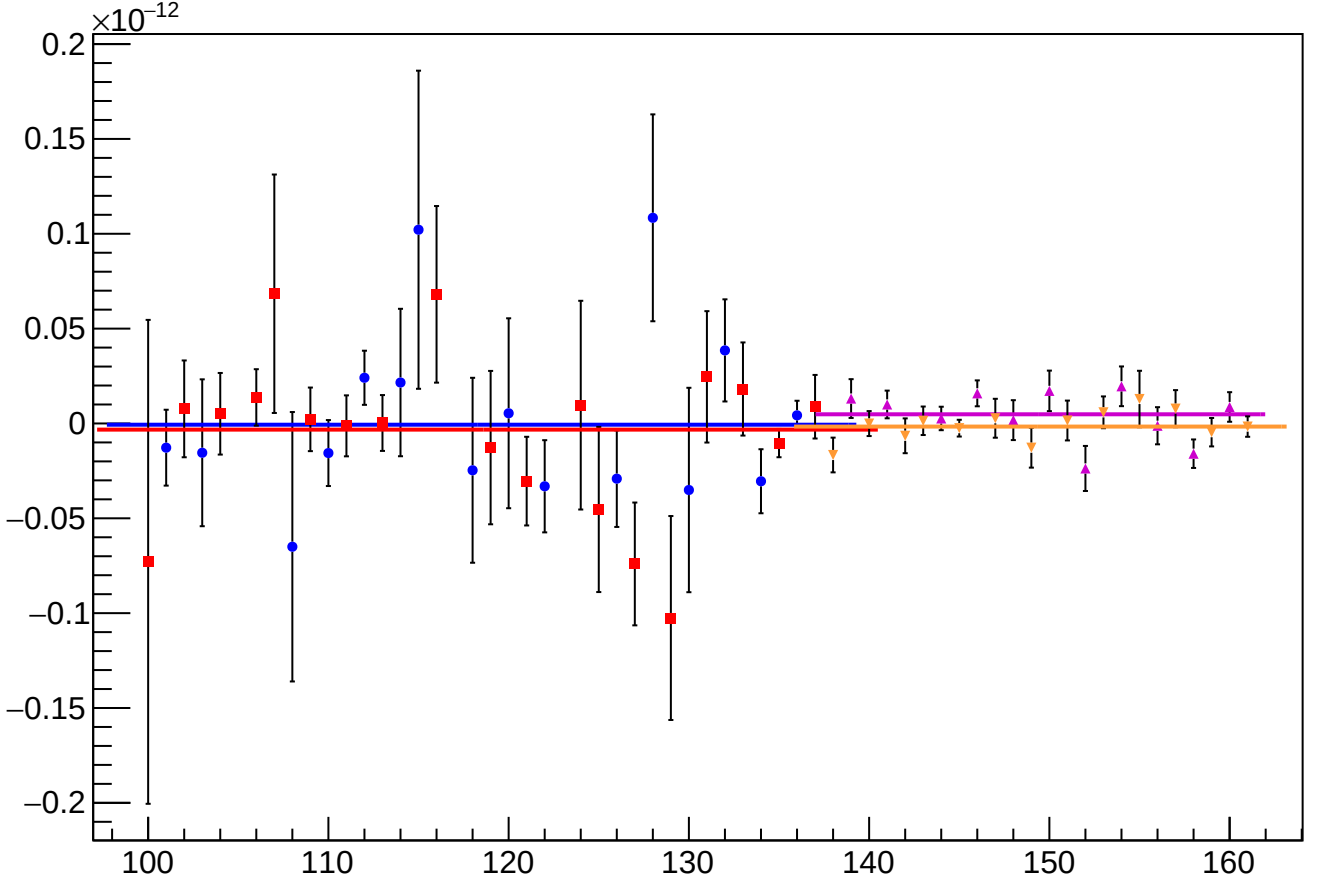
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.932+/-0.004 χ^2/NDF:2616056.7/10

+ sign 16.742+/-0.003 χ^2/NDF: 3377912.3/28

All: 16.518+/-0.002 χ^2/NDF: 7636591.4/58

- sign 16.290+/-0.003 χ^2/NDF: 4248222.2/29



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/12

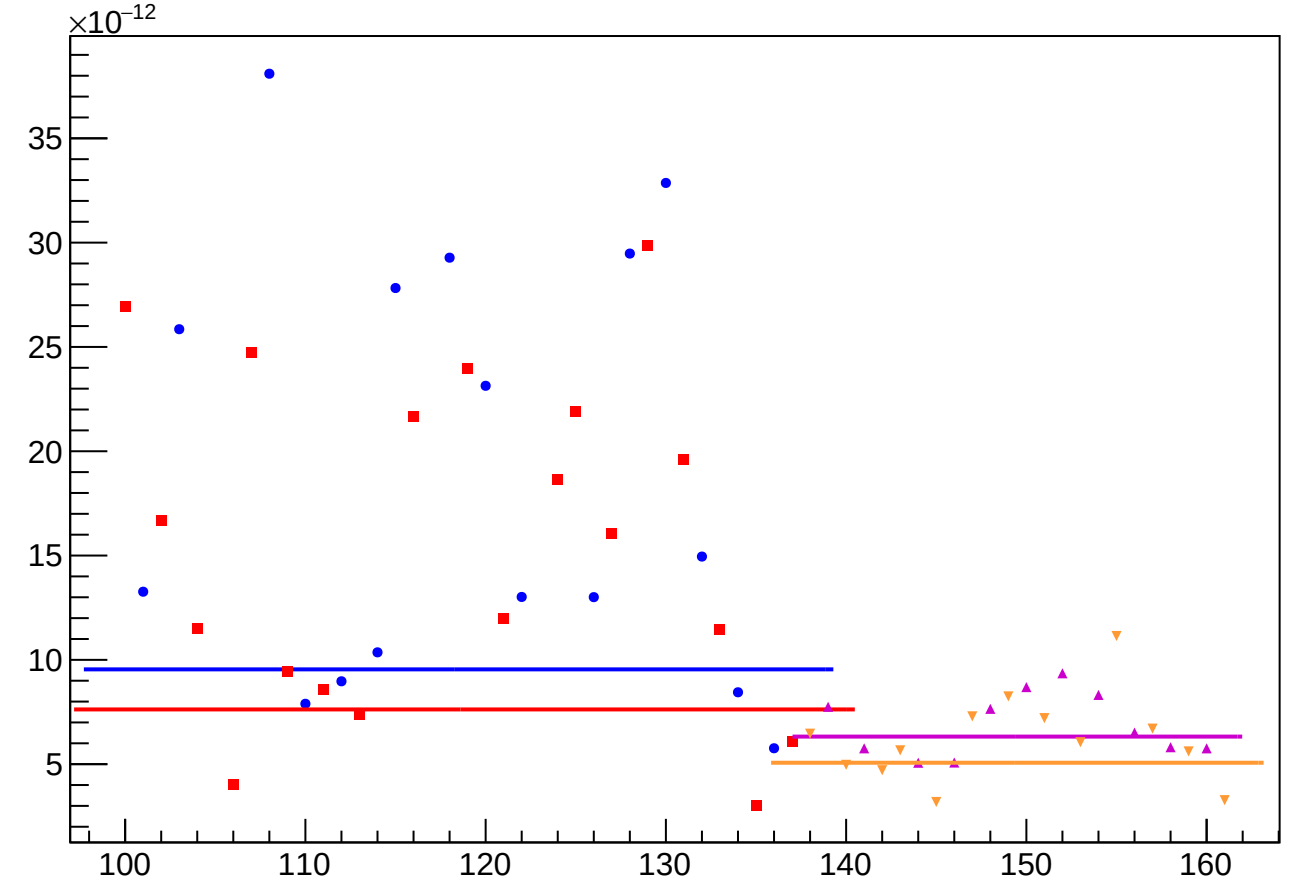
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:21.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 27.8/28

All: 0.000+/-0.000 χ^2/NDF: 73.0/58

- sign 0.000+/-0.000 χ^2/NDF: 43.0/29



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1433856.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

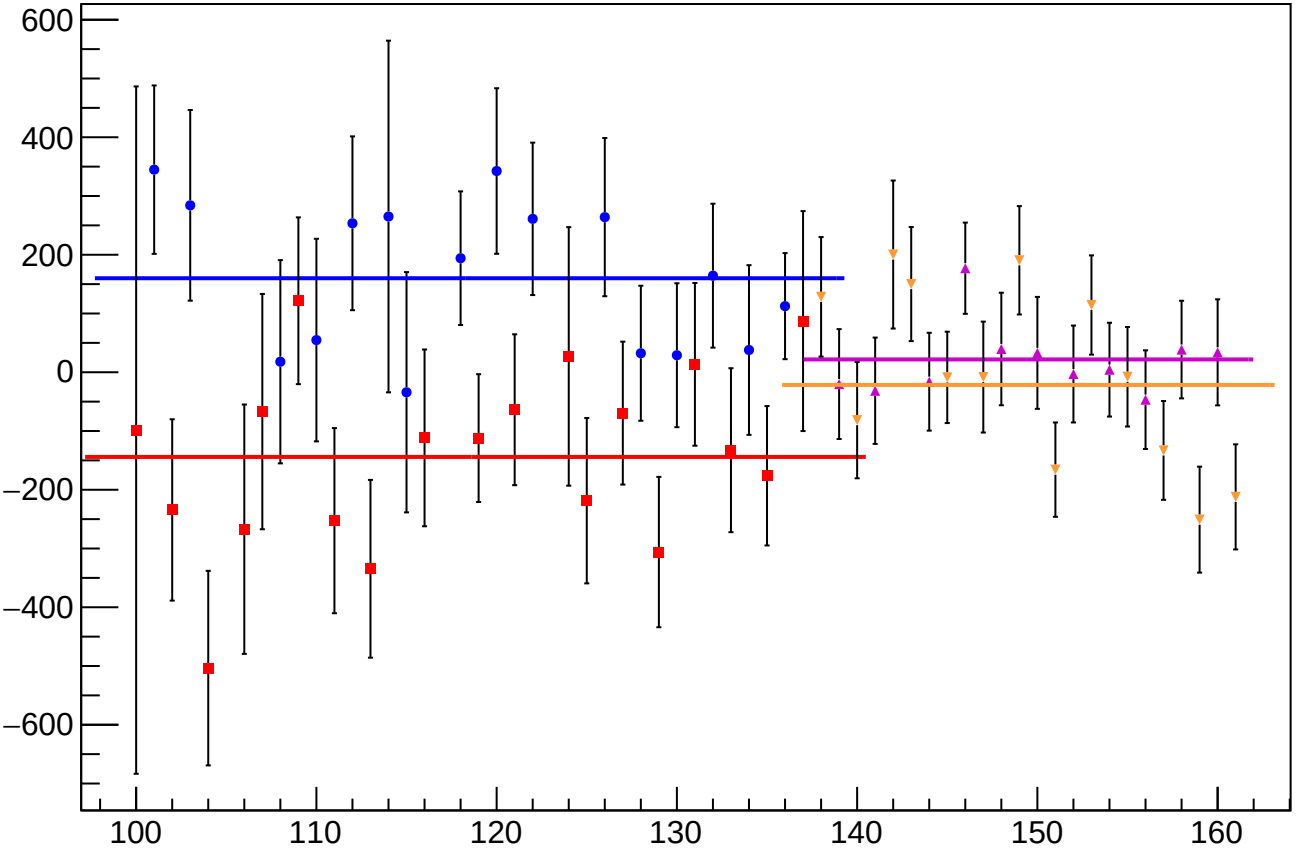
Left In: 0.000+/-0.000 χ^2/NDF:553635.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 5396566.2/28

All: 0.000+/-0.000 χ^2/NDF: 9354285.4/58

- sign 0.000+/-0.000 χ^2/NDF: 3767131.5/29

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -21.572+/-25.103 χ^2/NDF:32.7/12

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

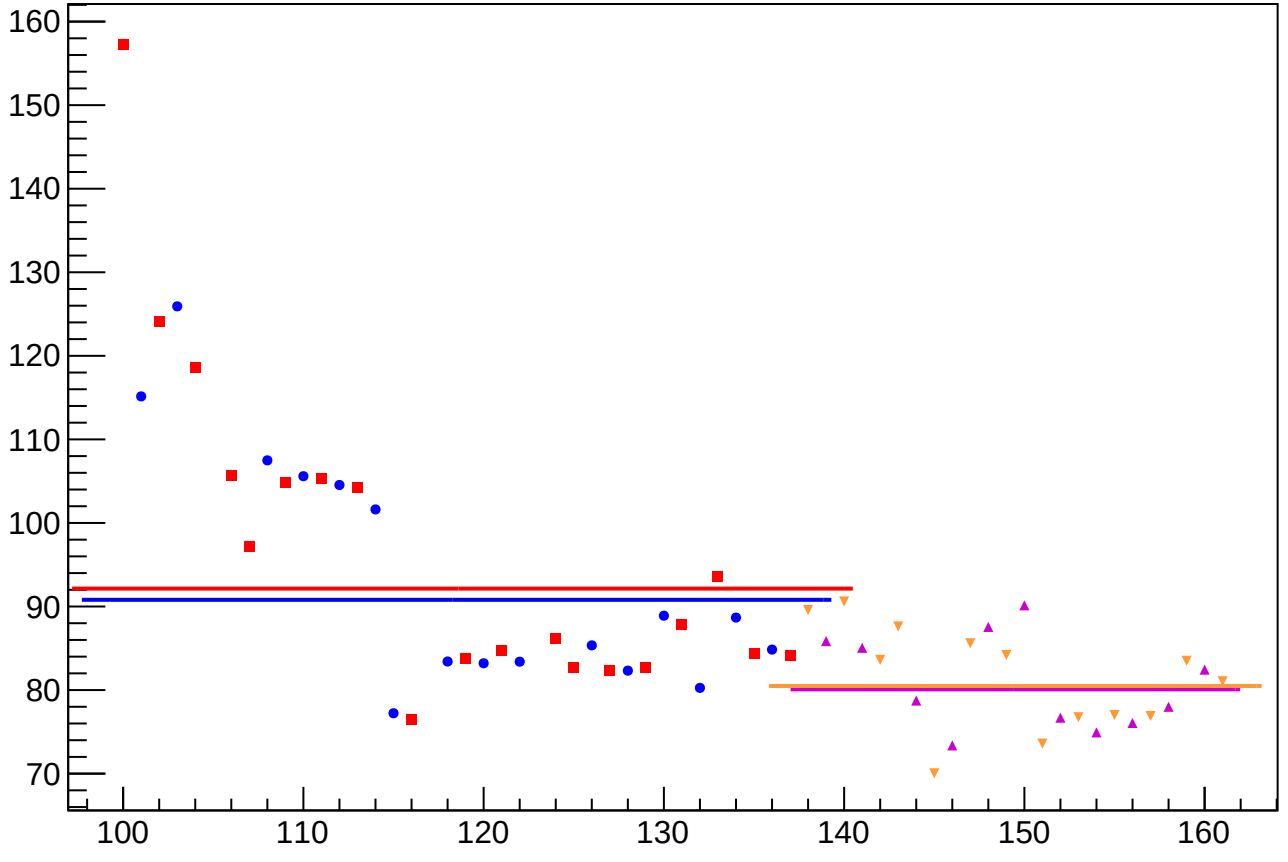
Left In: 21.812+/-26.000 χ^2/NDF:5.7/10

+ sign 42.082+/-20.230 χ^2/NDF: 62.1/28

All: 2.506+/-14.468 χ^2/NDF: 107.9/58

- sign -38.932+/-20.701 χ^2/NDF: 38.0/29

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 80.488+/-0.018 χ^2/NDF:122082.8/12

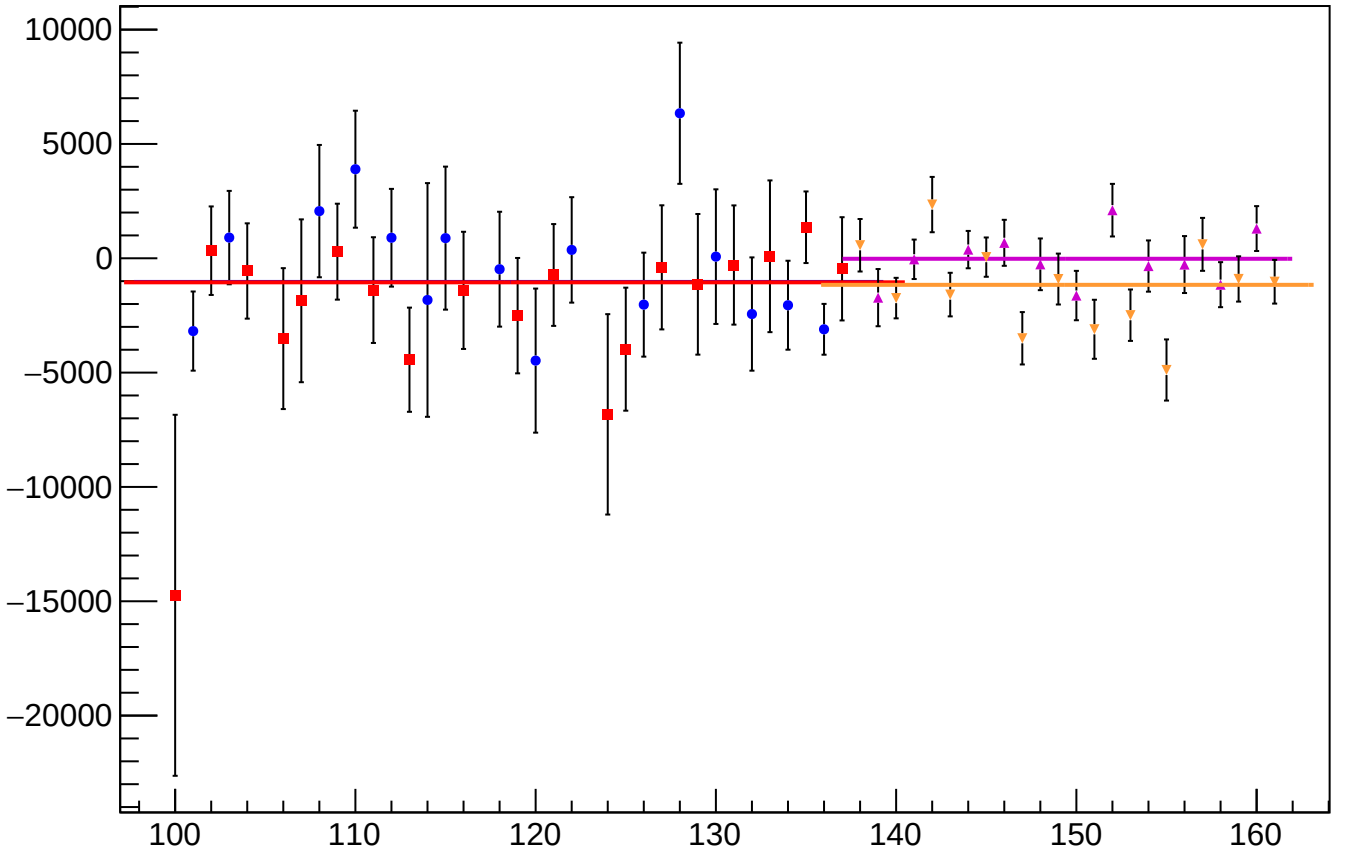
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 80.082+/-0.018 χ^2/NDF:82497.7/10

+ sign 84.103+/-0.014 χ^2/NDF: 513184.0/28

All: 84.296+/-0.010 χ^2/NDF: 1055585.2/58

- sign 84.497+/-0.015 χ^2/NDF: 542031.2/29



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1161.541+/-294.228 χ^2/NDF:31.4/12

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

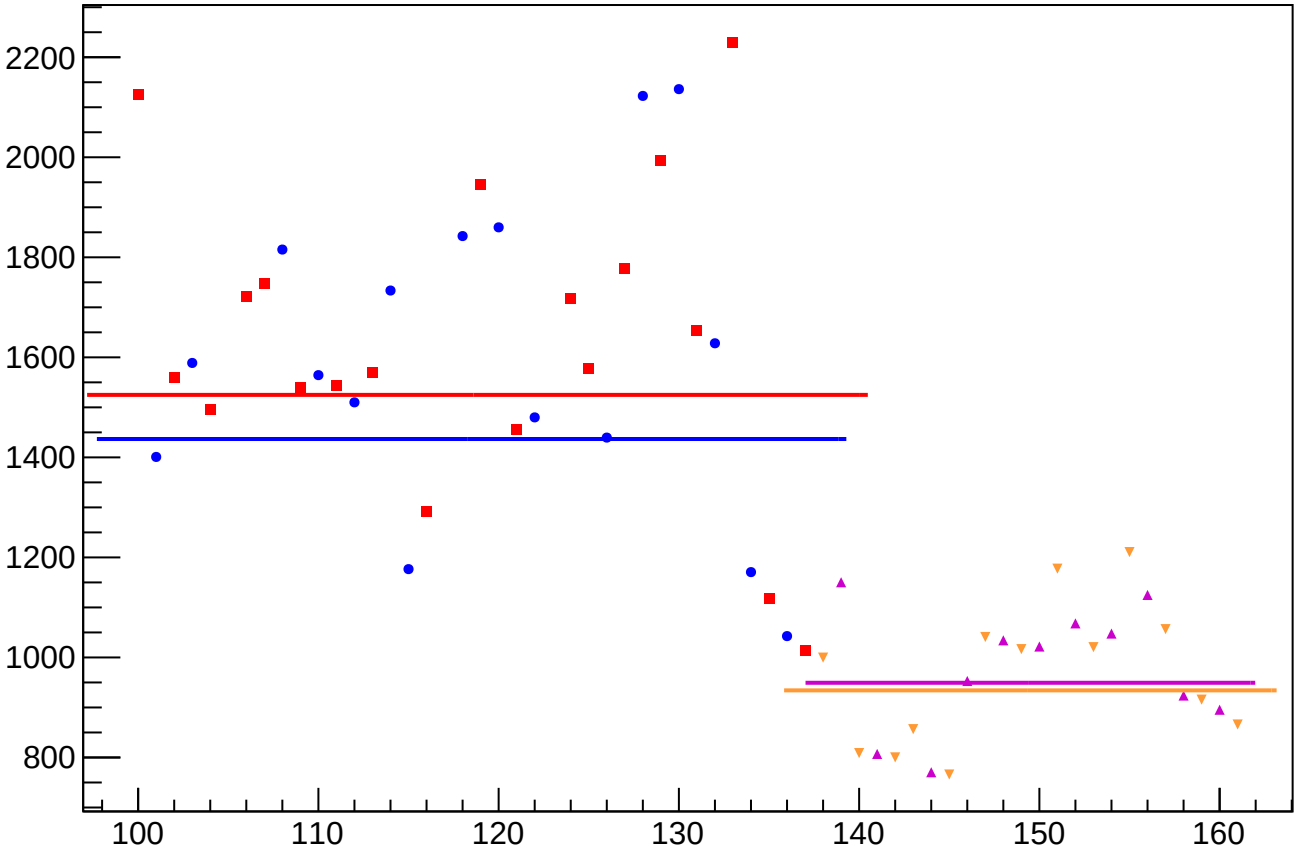
Left In: -21.815+/-310.398 χ^2/NDF:11.5/10

+ sign -1133.408+/-259.459 χ^2/NDF: 51.7/28

All: -717.127+/-187.901 χ^2/NDF: 84.0/58

- sign -258.007+/-272.483 χ^2/NDF: 26.9/29

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 934.189+/-0.208 χ^2/NDF:390878.6/12

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

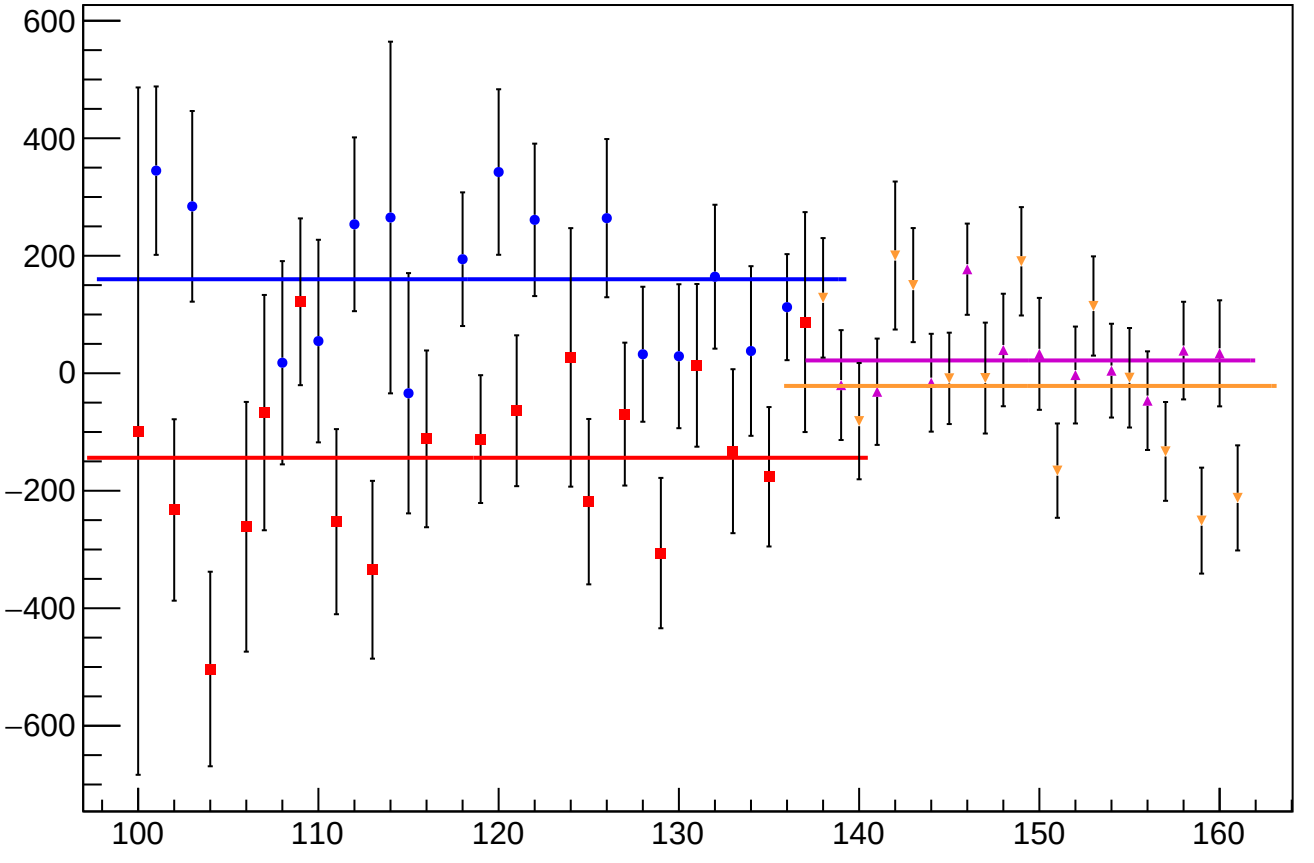
Left In: 949.381+/-0.219 χ^2/NDF:306170.2/10

+ sign 1045.943+/-0.183 χ^2/NDF: 2364024.0/28

All: 1062.806+/-0.133 χ^2/NDF: 4769950.1/58

- sign 1081.406+/-0.193 χ^2/NDF: 2388158.5/29

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -21.568+/-25.103 χ^2/NDF:32.7/12

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

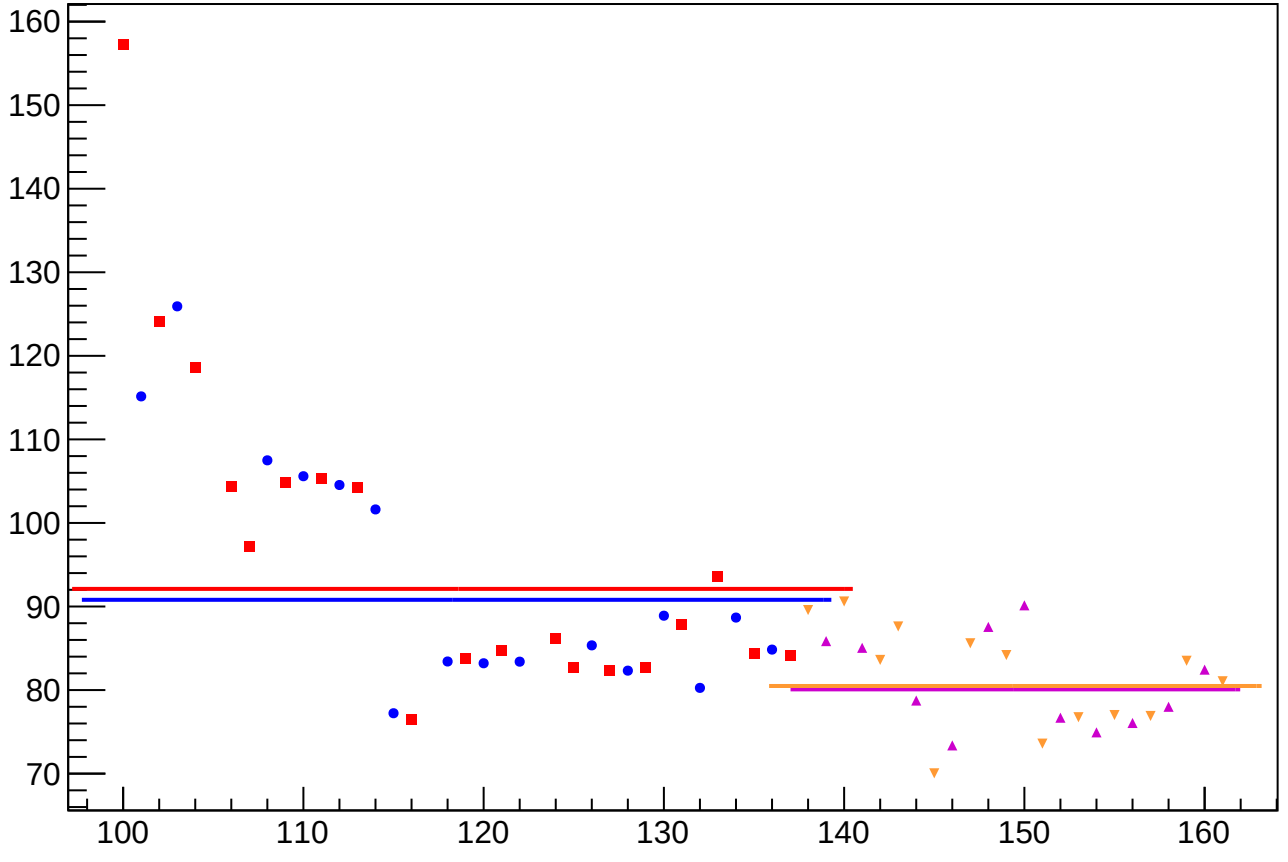
Left In: 21.813+/-26.000 χ^2/NDF:5.7/10

+ sign 42.083+/-20.230 χ^2/NDF: 62.1/28

All: 2.556+/-14.469 χ^2/NDF: 107.8/58

- sign -38.833+/-20.701 χ^2/NDF: 37.9/29

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.488+/-0.018 χ^2/NDF:122082.8/12

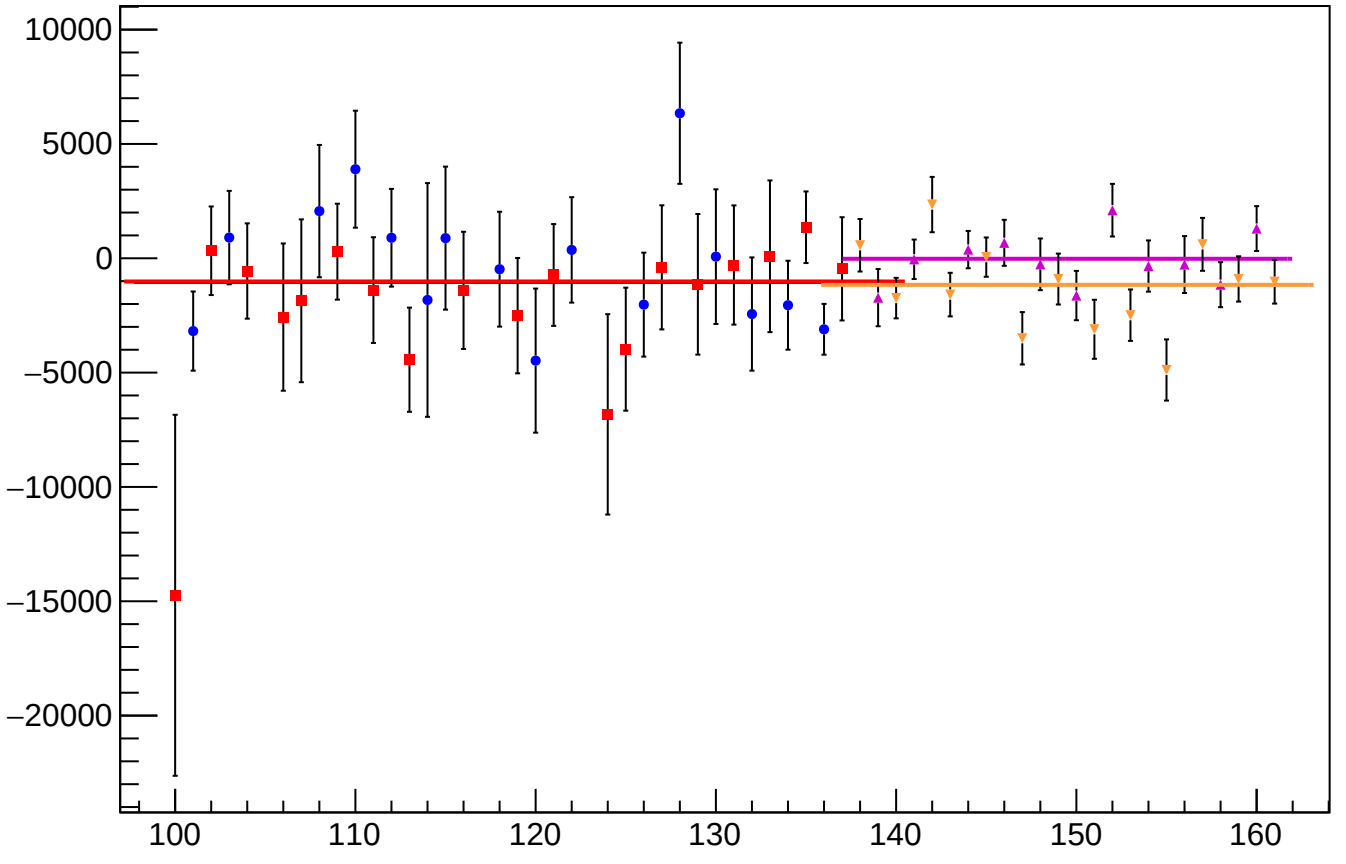
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.082+/-0.018 χ^2/NDF:82497.7/10

+ sign 84.103+/-0.014 χ^2/NDF: 513185.9/28

All: 84.289+/-0.010 χ^2/NDF: 1053424.3/58

- sign 84.484+/-0.015 χ^2/NDF: 539891.4/29



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1161.534+/-294.228 χ^2/NDF:31.4/12

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

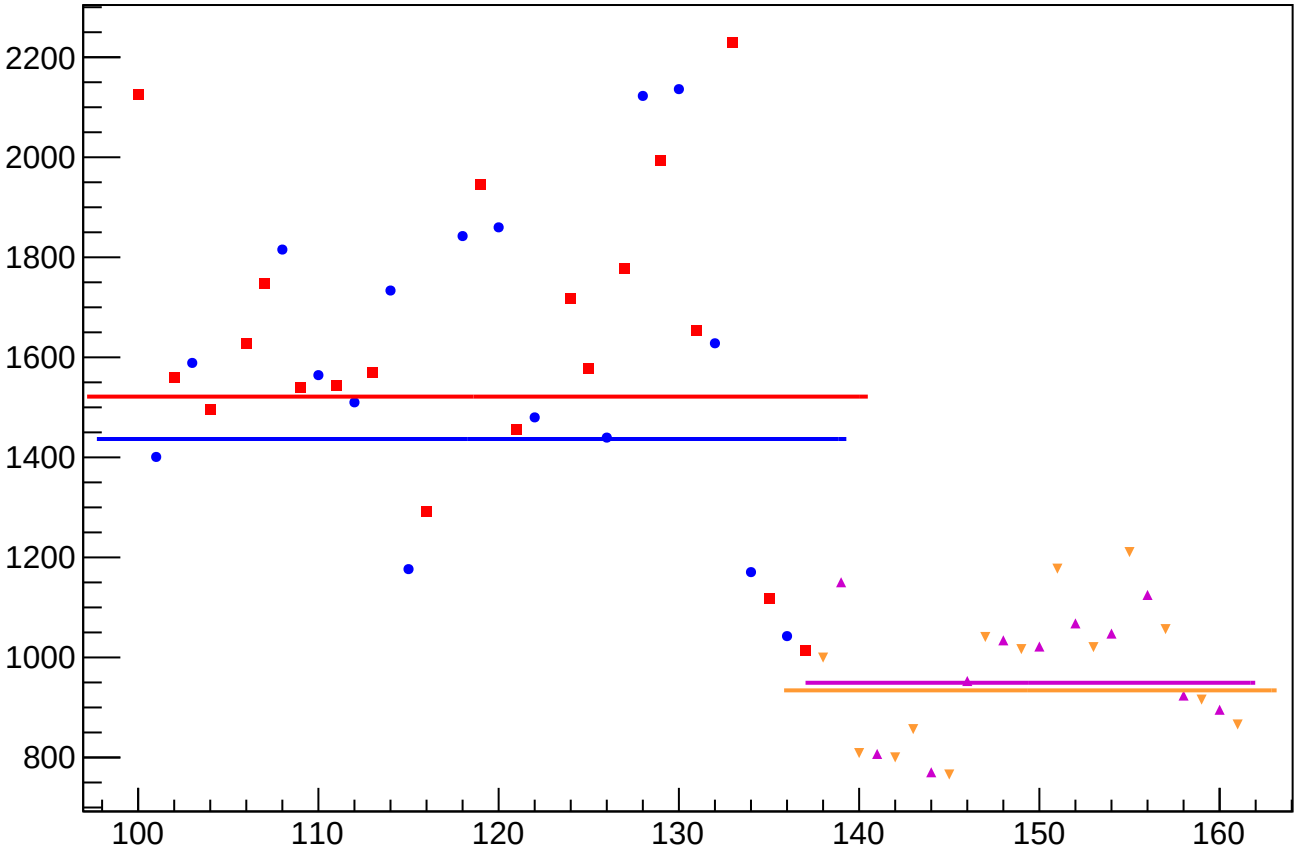
Left In: -21.819+/-310.398 χ^2/NDF:11.5/10

+ sign -1133.398+/-259.460 χ^2/NDF: 51.7/28

All: -713.085+/-187.931 χ^2/NDF: 83.5/58

- sign -249.206+/-272.575 χ^2/NDF: 26.3/29

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 934.189+/-0.208 χ^2/NDF:390879.6/12

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

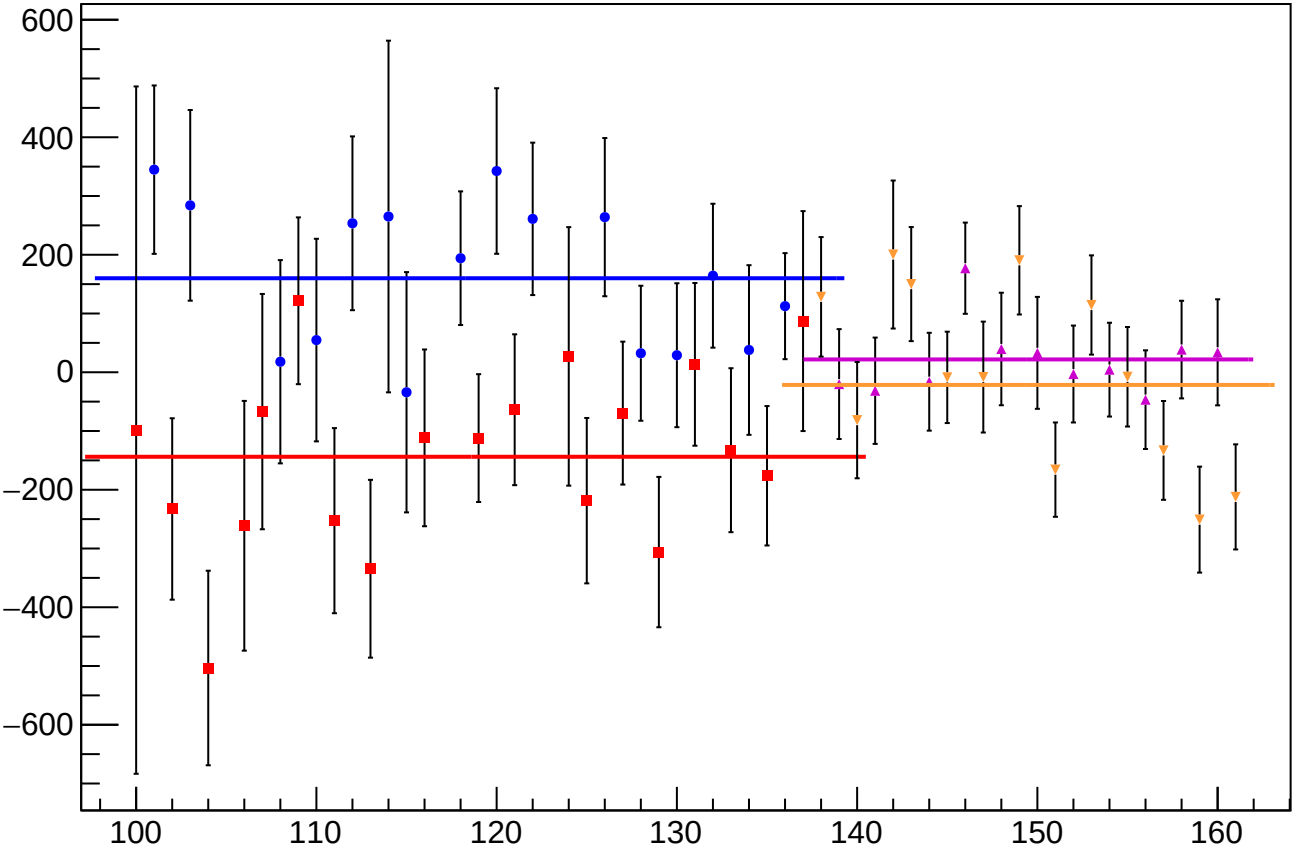
Left In: 949.381+/-0.219 χ^2/NDF:306169.9/10

+ sign 1045.943+/-0.183 χ^2/NDF: 2364047.1/28

All: 1062.282+/-0.133 χ^2/NDF: 4740252.8/58

- sign 1080.315+/-0.193 χ^2/NDF: 2359520.2/29

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -21.568+/-25.103 χ^2/NDF:32.7/12

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

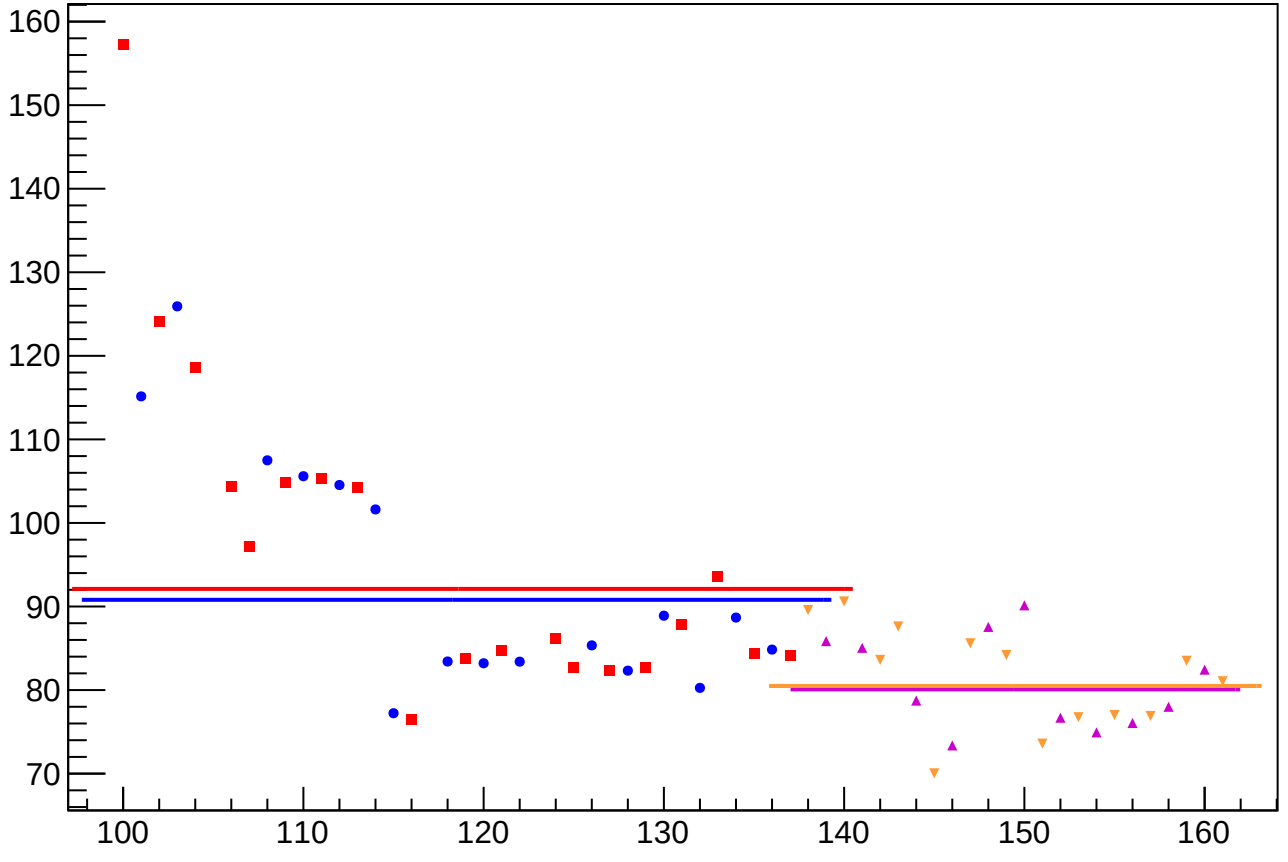
Left In: 21.813+/-26.000 χ^2/NDF:5.7/10

+ sign 42.083+/-20.230 χ^2/NDF: 62.1/28

All: 2.556+/-14.469 χ^2/NDF: 107.8/58

- sign -38.833+/-20.701 χ^2/NDF: 37.9/29

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.488+/-0.018 χ^2/NDF:122082.8/12

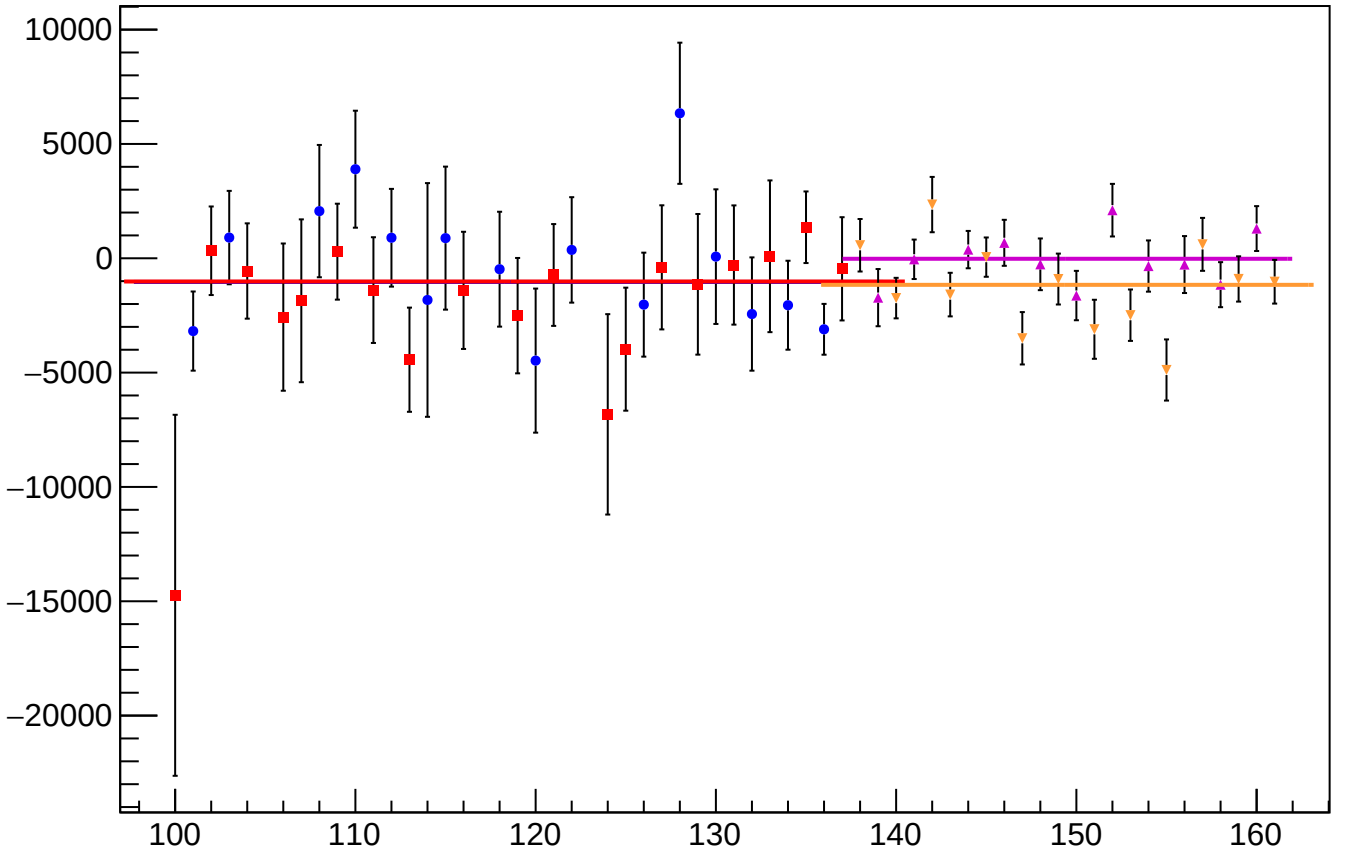
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.082+/-0.018 χ^2/NDF:82497.7/10

\+ sign 84.103+/-0.014 χ^2/NDF: 513185.9/28

All: 84.289+/-0.010 χ^2/NDF: 1053424.3/58

\- sign 84.484+/-0.015 χ^2/NDF: 539891.4/29



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1161.534+/-294.228 χ^2/NDF:31.4/12

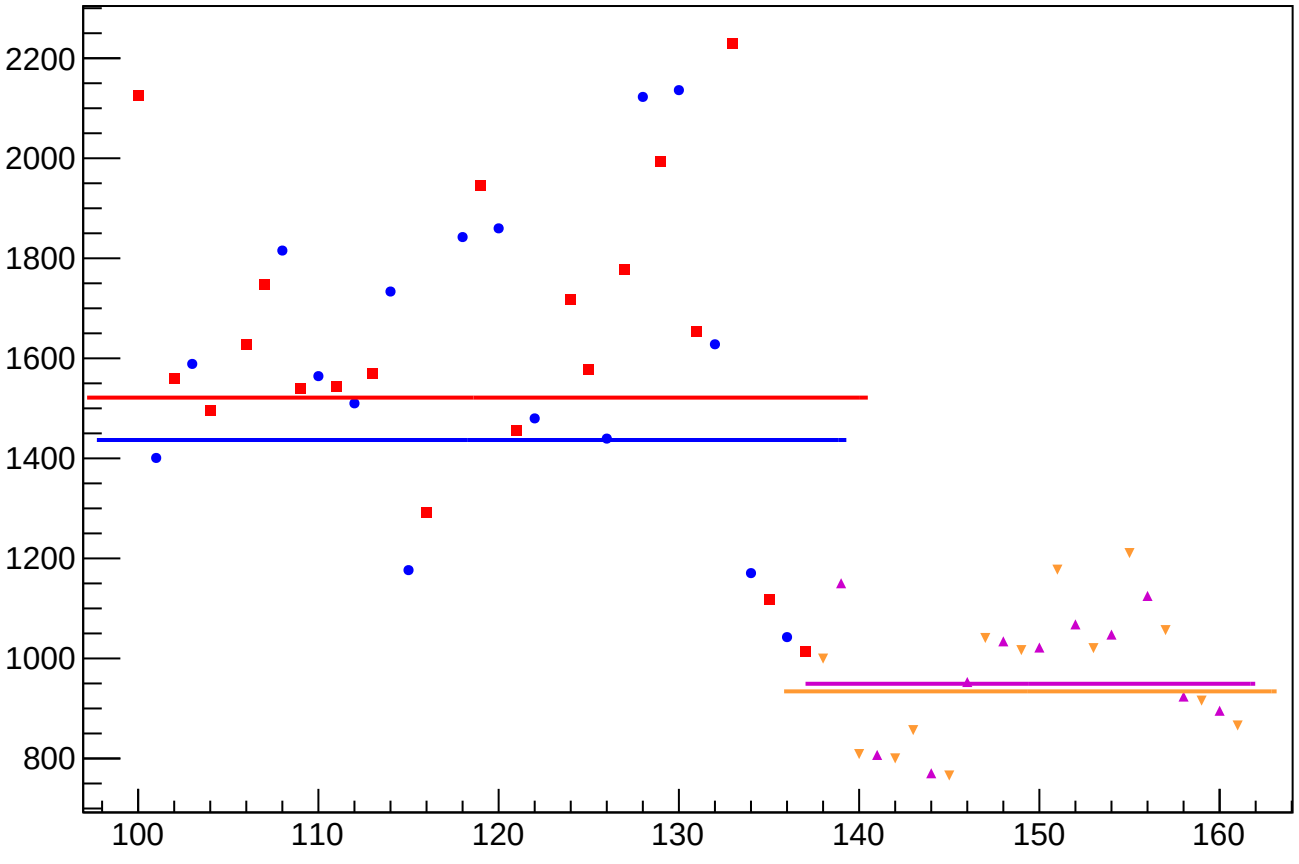
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -21.819+/-310.398 χ^2/NDF:11.5/10

+ sign -1133.398+/-259.460 χ^2/NDF: 51.7/28

All: -713.085+/-187.931 χ^2/NDF: 83.5/58

- sign -249.206+/-272.575 χ^2/NDF: 26.3/29



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 934.189+/-0.208 χ^2/NDF:390879.6/12

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

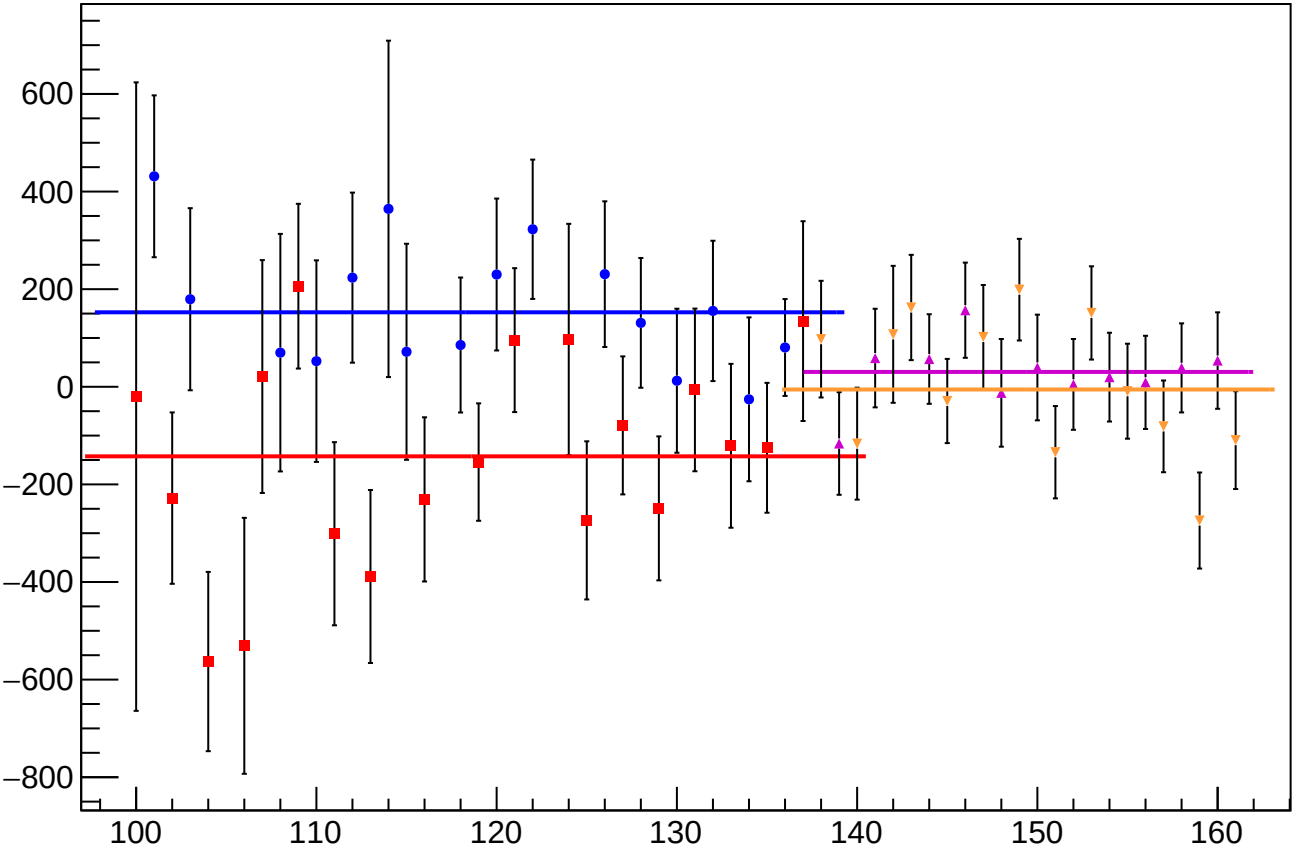
Left In: 949.381+/-0.219 χ^2/NDF:306169.9/10

+ sign 1045.943+/-0.183 χ^2/NDF: 2364047.1/28

All: 1062.282+/-0.133 χ^2/NDF: 4740252.8/58

- sign 1080.315+/-0.193 χ^2/NDF: 2359520.2/29

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -5.552+/-28.392 χ^2/NDF:23.4/12

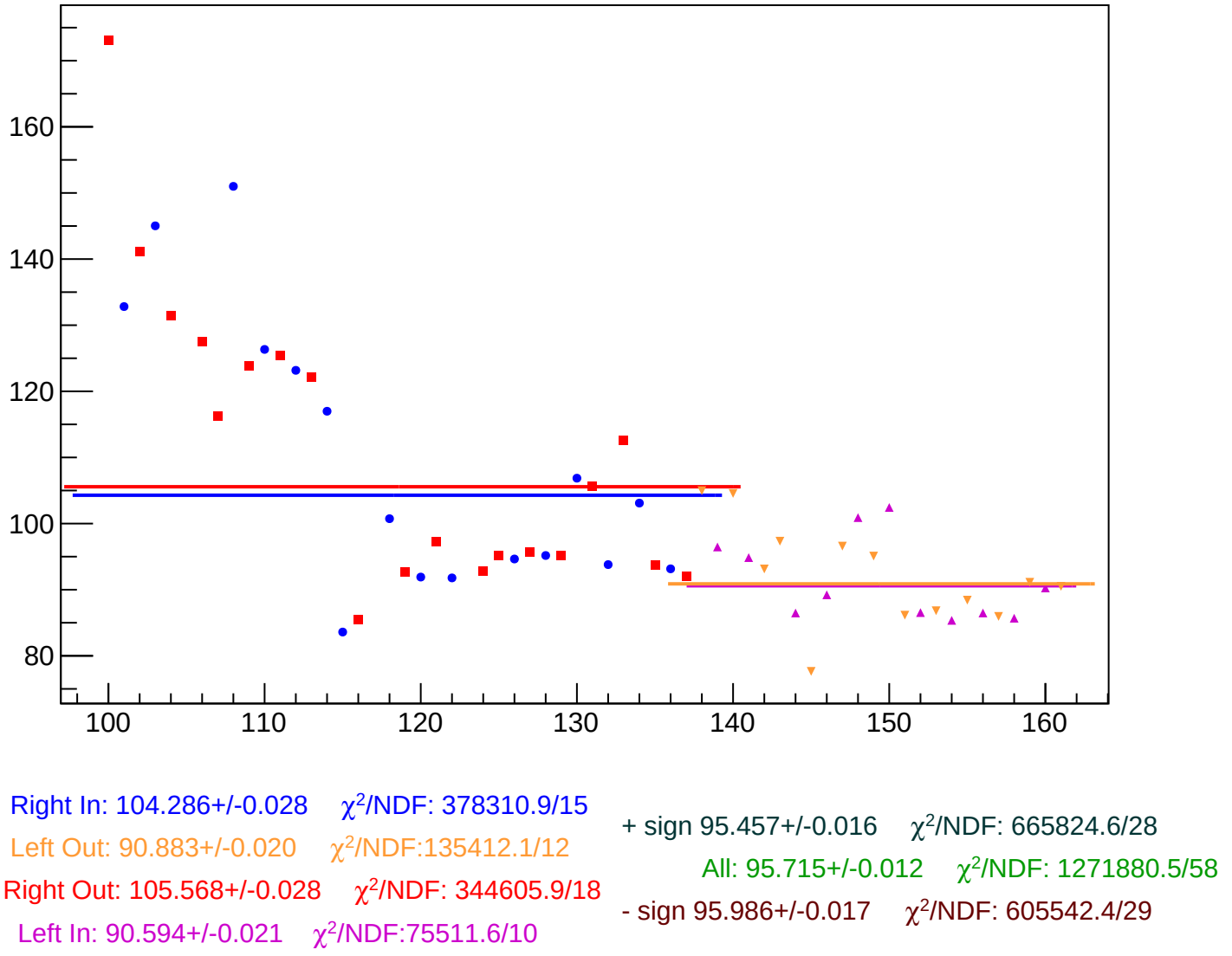
Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

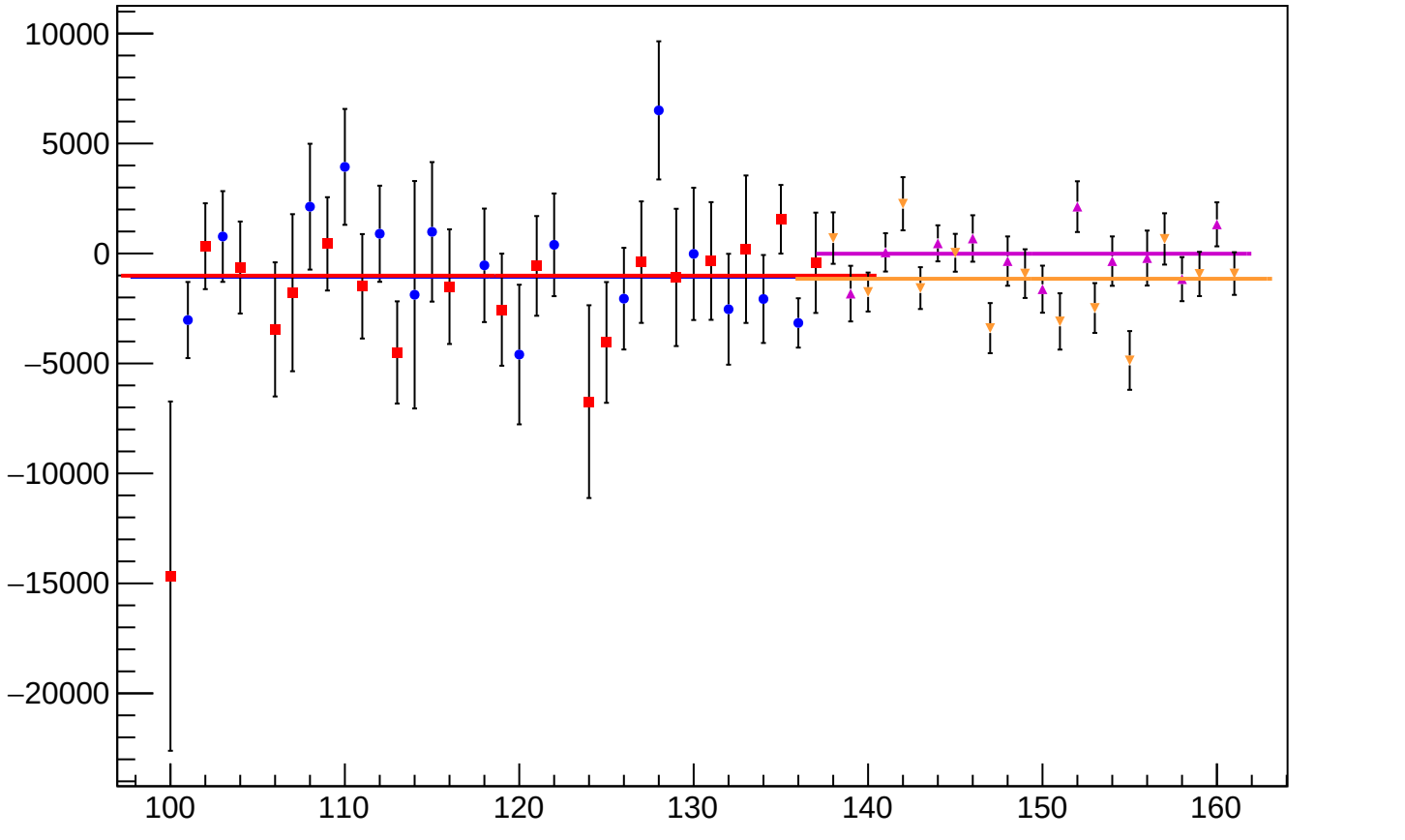
Left In: 30.437+/-29.509 χ^2/NDF:4.2/10

+ sign 48.428+/-23.044 χ^2/NDF: 42.6/28

All: 9.267+/-16.490 χ^2/NDF: 88.0/58

- sign -31.829+/-23.606 χ^2/NDF: 39.4/29


dit_asym_sam_24_68_dd_rms vs Slug
160
140
120
100
80
100
110
120
130
140
150
160
Right In: 104.286+/-0.028 χ²/NDF: 378310.9/15
Left Out: 90.883+/-0.020 χ²/NDF:135412.1/12
Right Out: 105.568+/-0.028 χ²/NDF: 344605.9/18
Left In: 90.594+/-0.021 χ²/NDF:75511.6/10
+ sign 95.457+/-0.016 χ²/NDF: 665824.6/28
All: 95.715+/-0.012 χ²/NDF: 1271880.5/58
- sign 95.986+/-0.017 χ²/NDF: 605542.4/29



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1149.917+/-295.296 χ^2/NDF:30.9/12

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

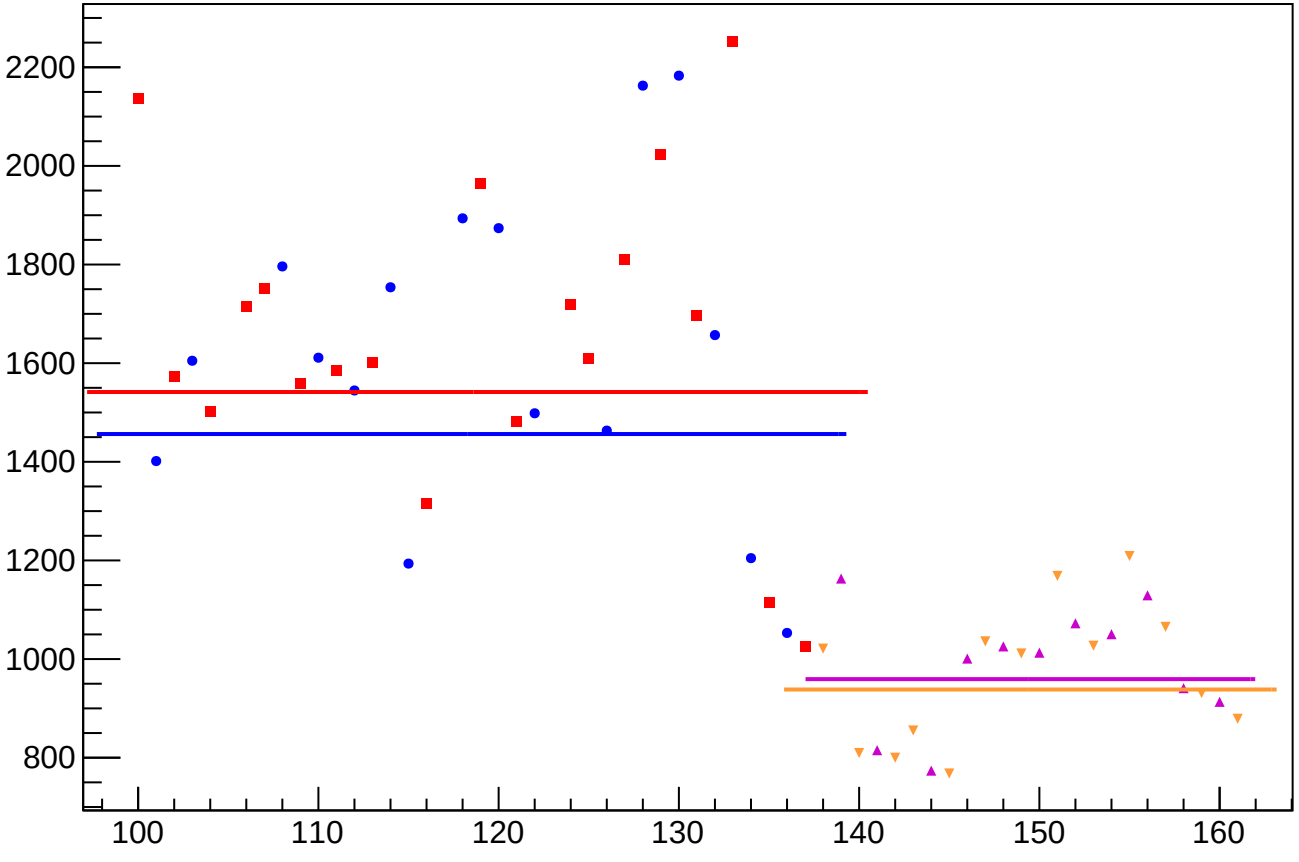
Left In: -11.535+/-313.489 χ^2/NDF:11.8/10

+ sign -1130.084+/-260.965 χ^2/NDF: 50.9/28

All: -708.849+/-189.379 χ^2/NDF: 83.9/58

- sign -240.234+/-275.251 χ^2/NDF: 27.5/29

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 938.248+/-0.209 χ^2/NDF:386081.6/12

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

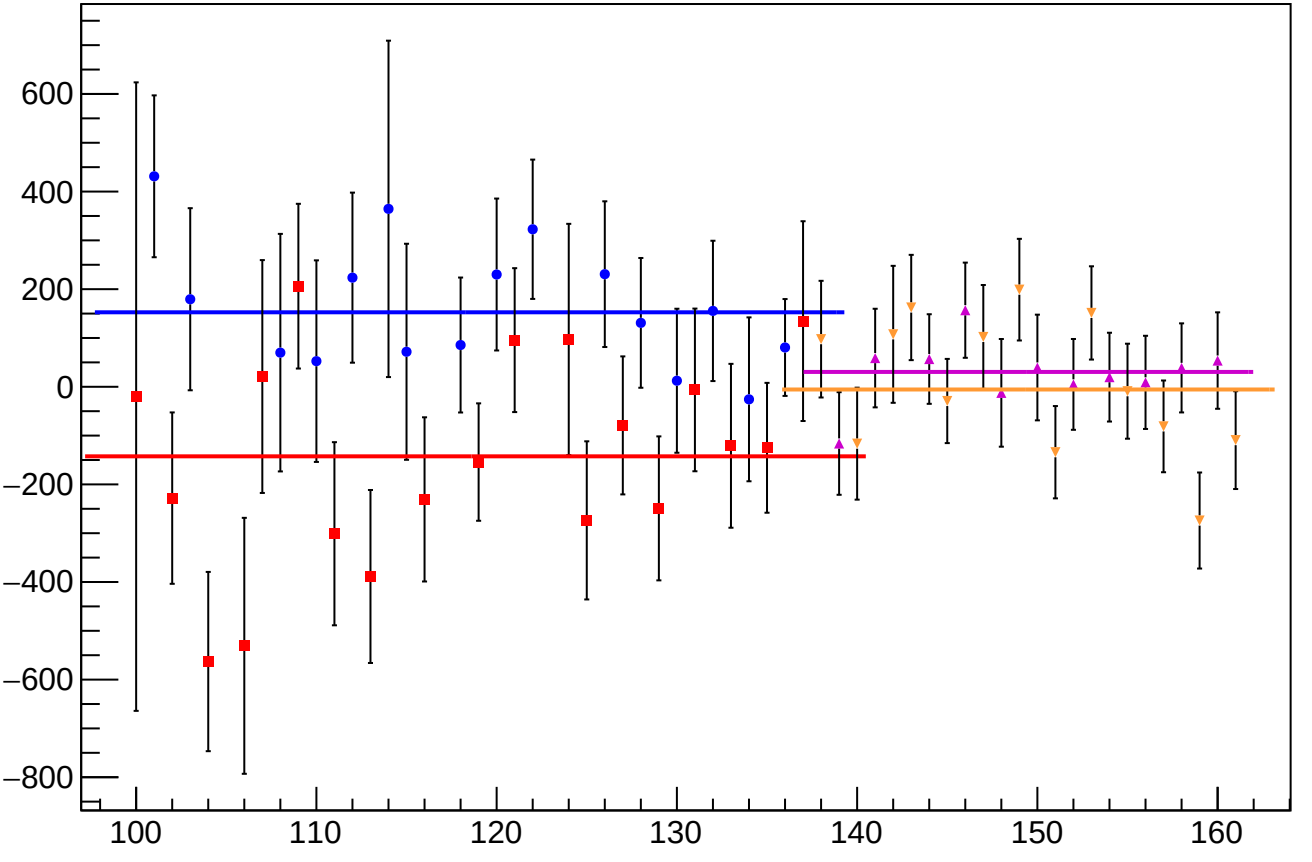
Left In: 959.338+/-0.222 χ^2/NDF:298679.1/10

+ sign 1051.704+/-0.185 χ^2/NDF: 2418967.2/28

All: 1071.110+/-0.134 χ^2/NDF: 4840427.8/58

- sign 1092.699+/-0.195 χ^2/NDF: 2398096.8/29

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -5.551+/-28.392 χ^2/NDF:23.4/12

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

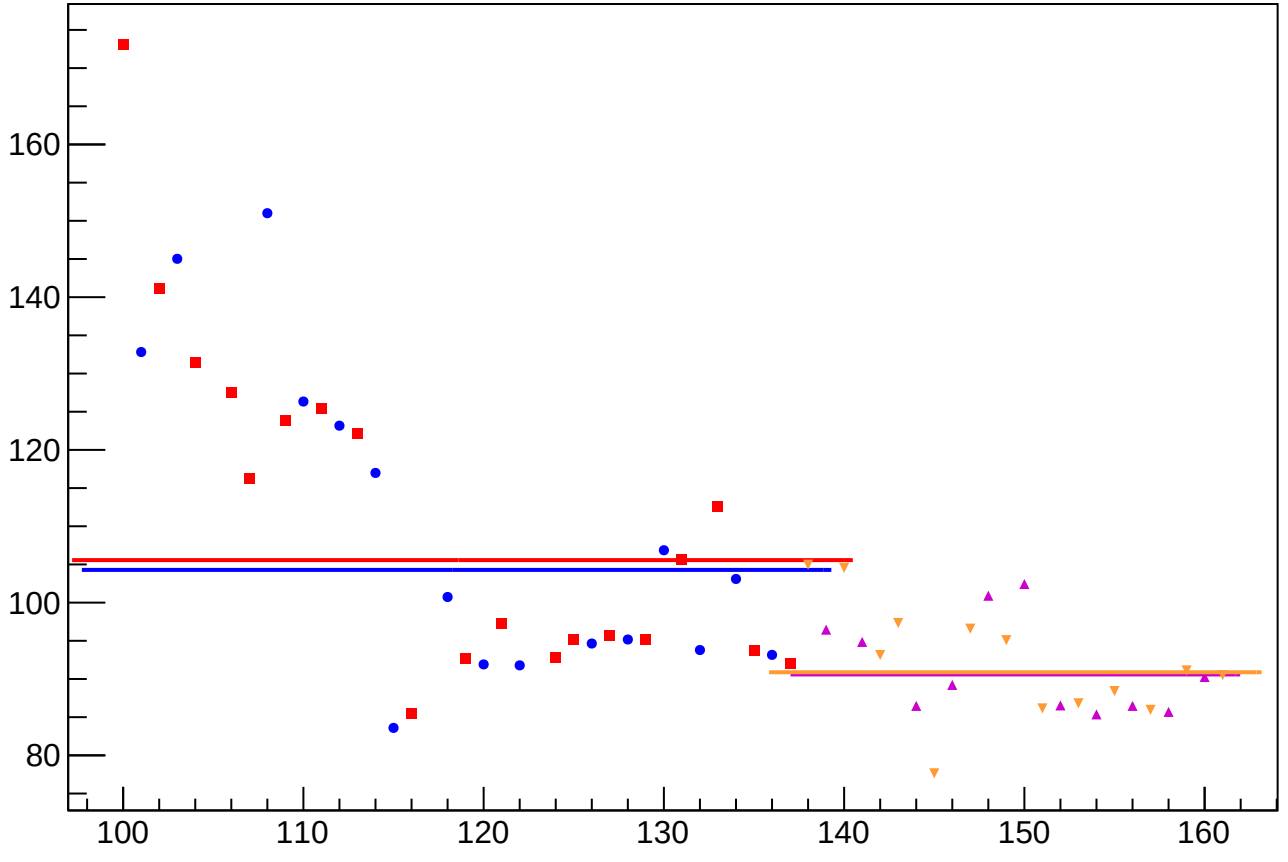
Left In: 30.438+/-29.509 χ^2/NDF:4.2/10

+ sign 48.430+/-23.044 χ^2/NDF: 42.6/28

All: 9.269+/-16.490 χ^2/NDF: 88.0/58

- sign -31.828+/-23.606 χ^2/NDF: 39.4/29

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.883+/-0.020 χ^2/NDF:135408.0/12

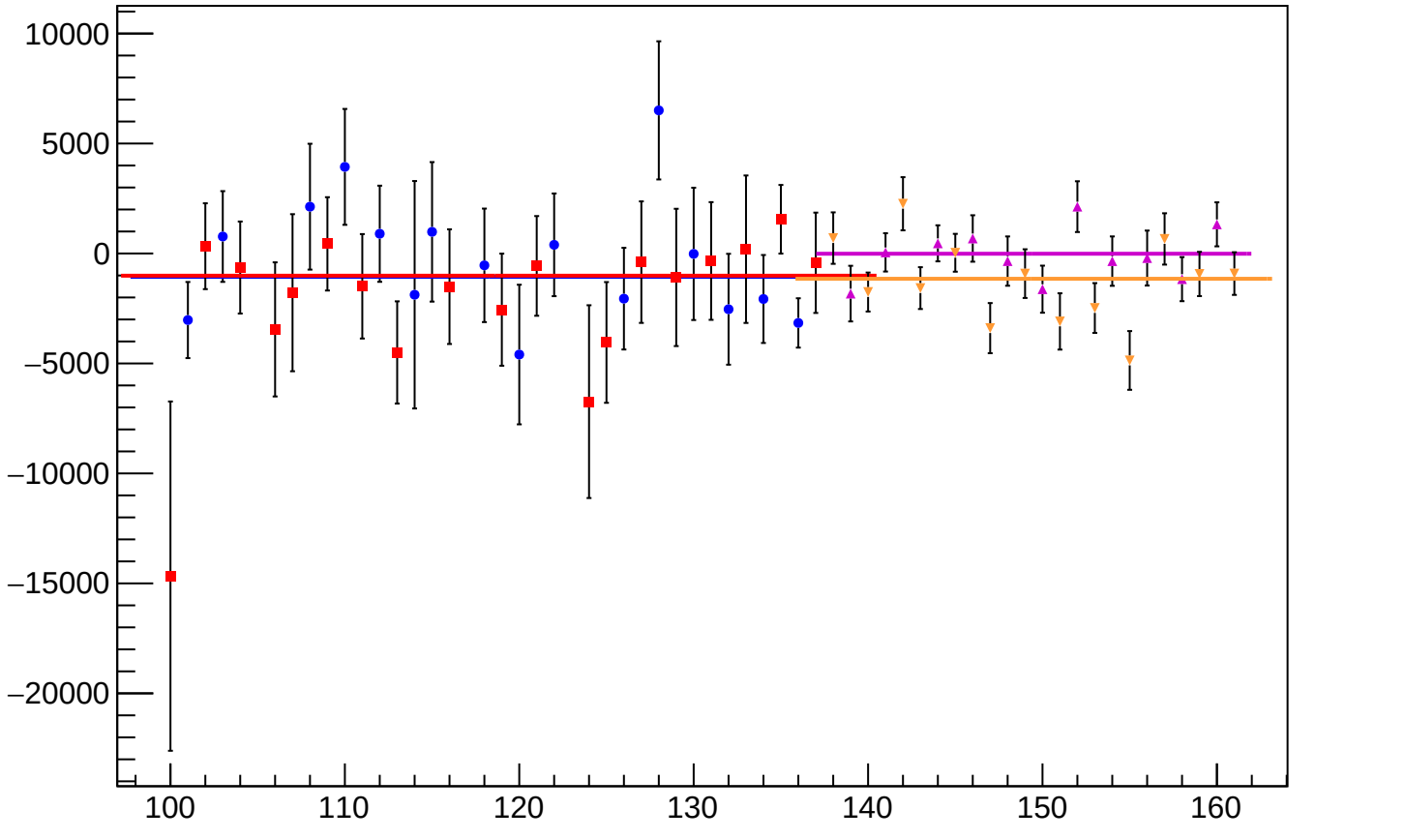
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 90.594+/-0.021 χ^2/NDF:75509.7/10

+ sign 95.457+/-0.016 χ^2/NDF: 665799.2/28

All: 95.715+/-0.012 χ^2/NDF: 1271835.8/58

- sign 95.985+/-0.017 χ^2/NDF: 605523.2/29



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1149.915+/-295.296 χ^2/NDF:30.9/12

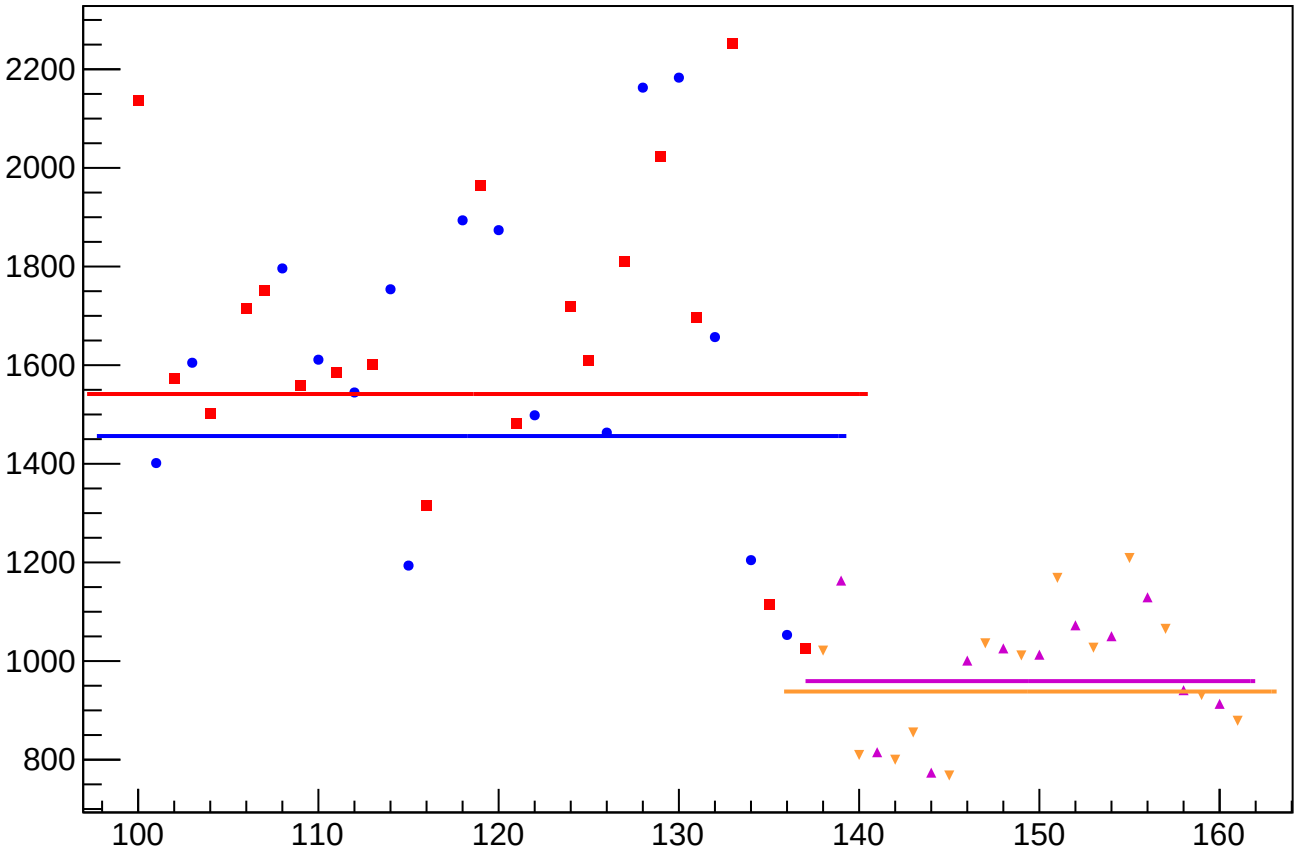
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -11.535+/-313.488 χ^2/NDF:11.8/10

+ sign -1130.082+/-260.965 χ^2/NDF: 50.9/28

All: -708.848+/-189.379 χ^2/NDF: 83.9/58

- sign -240.233+/-275.251 χ^2/NDF: 27.5/29



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 938.247+/-0.209 χ^2/NDF:386084.9/12

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

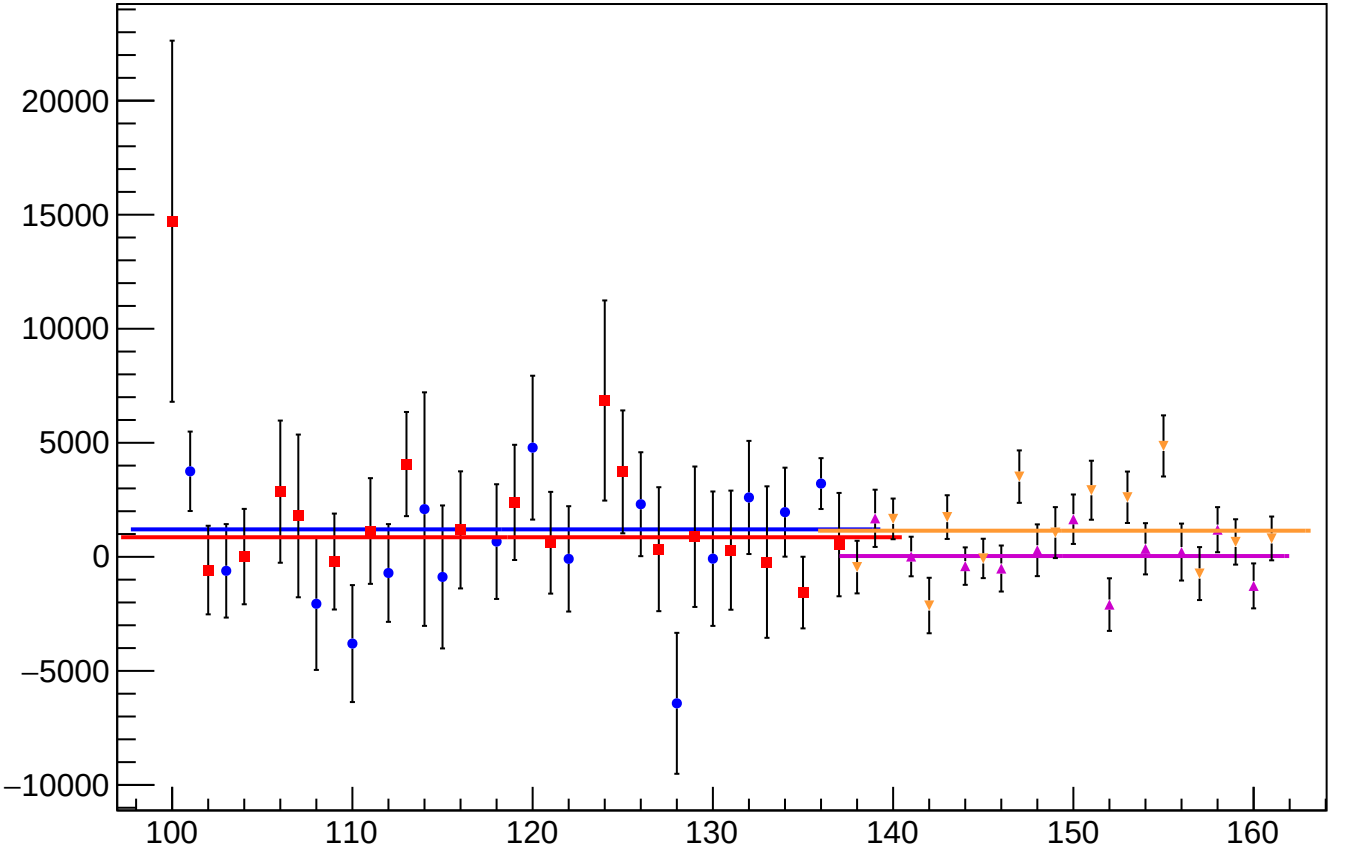
Left In: 959.337+/-0.222 χ^2/NDF:298680.4/10

+ sign 1051.703+/-0.185 χ^2/NDF: 2418964.6/28

All: 1071.109+/-0.134 χ^2/NDF: 4840421.1/58

- sign 1092.698+/-0.195 χ^2/NDF: 2398092.6/29

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1146.326+/-295.458 χ^2/NDF:30.4/12

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

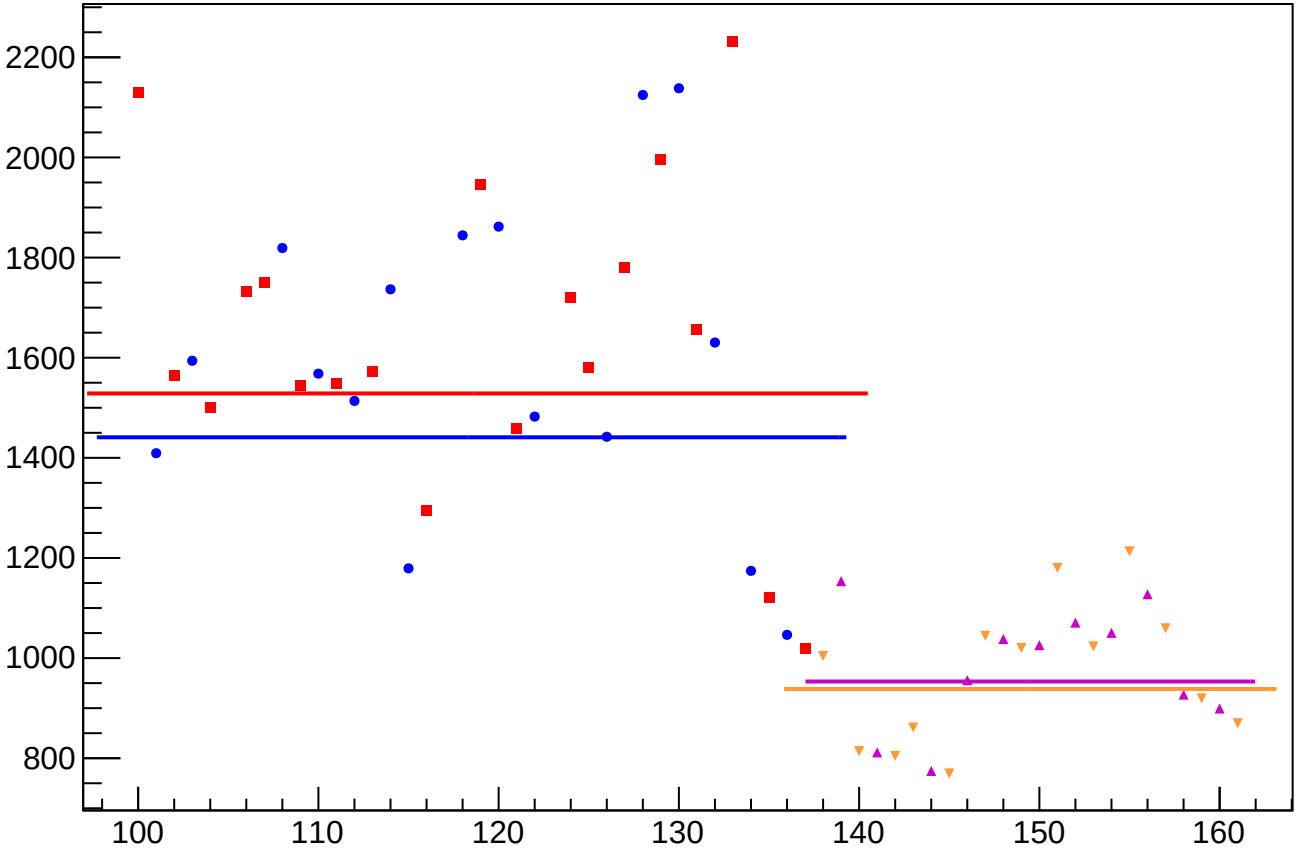
Left In: 35.464+/-311.611 χ^2/NDF:11.2/10

+ sign 1159.334+/-260.462 χ^2/NDF: 51.6/28

All: 714.821+/-188.604 χ^2/NDF: 83.0/58

- sign 224.824+/-273.464 χ^2/NDF: 25.3/29

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 938.290+/-0.209 χ^2/NDF:384803.9/12

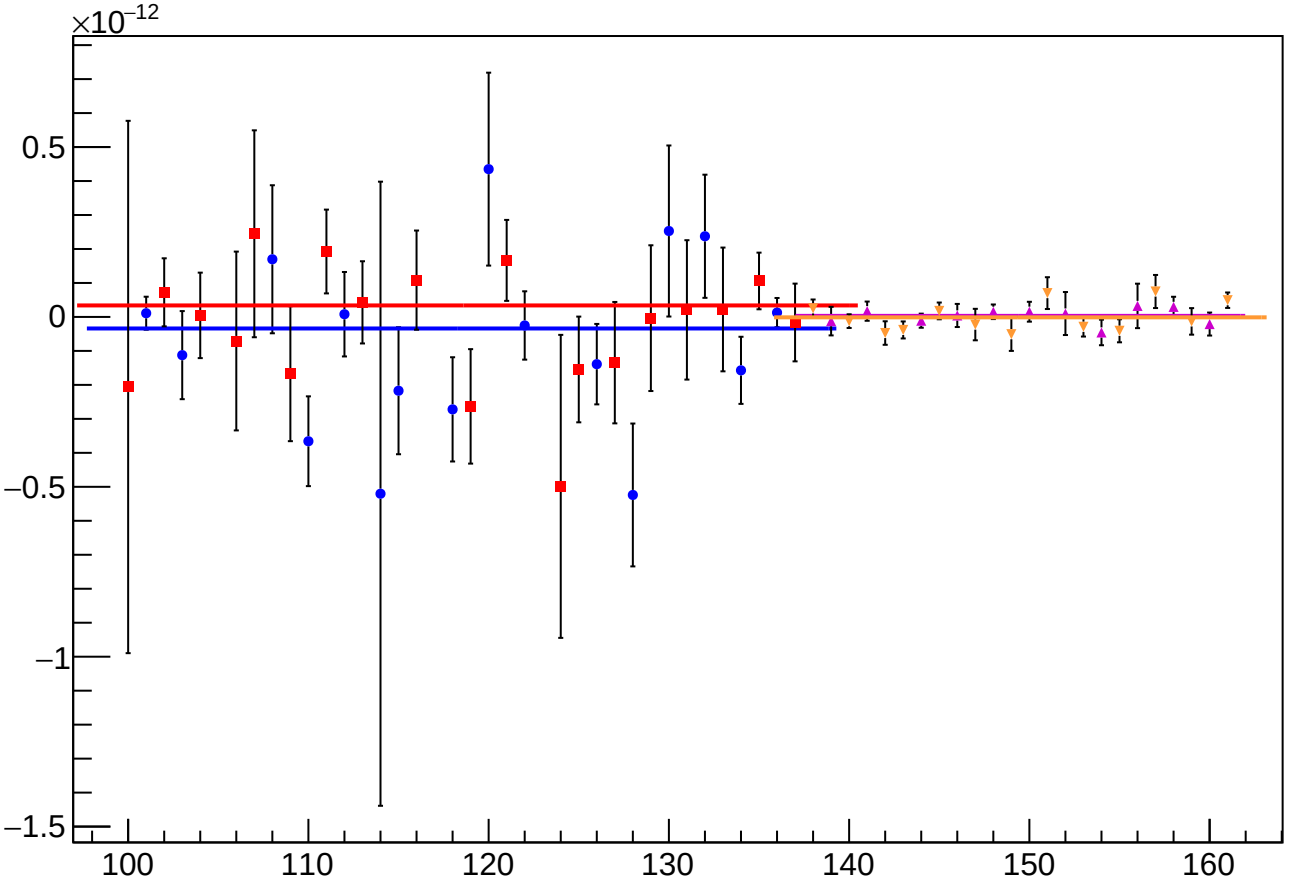
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 953.249+/-0.220 χ^2/NDF:301230.7/10

+ sign 1050.331+/-0.184 χ^2/NDF: 2345967.0/28

All: 1067.063+/-0.133 χ^2/NDF: 4733745.4/58

- sign 1085.508+/-0.193 χ^2/NDF: 2370426.7/29



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/12

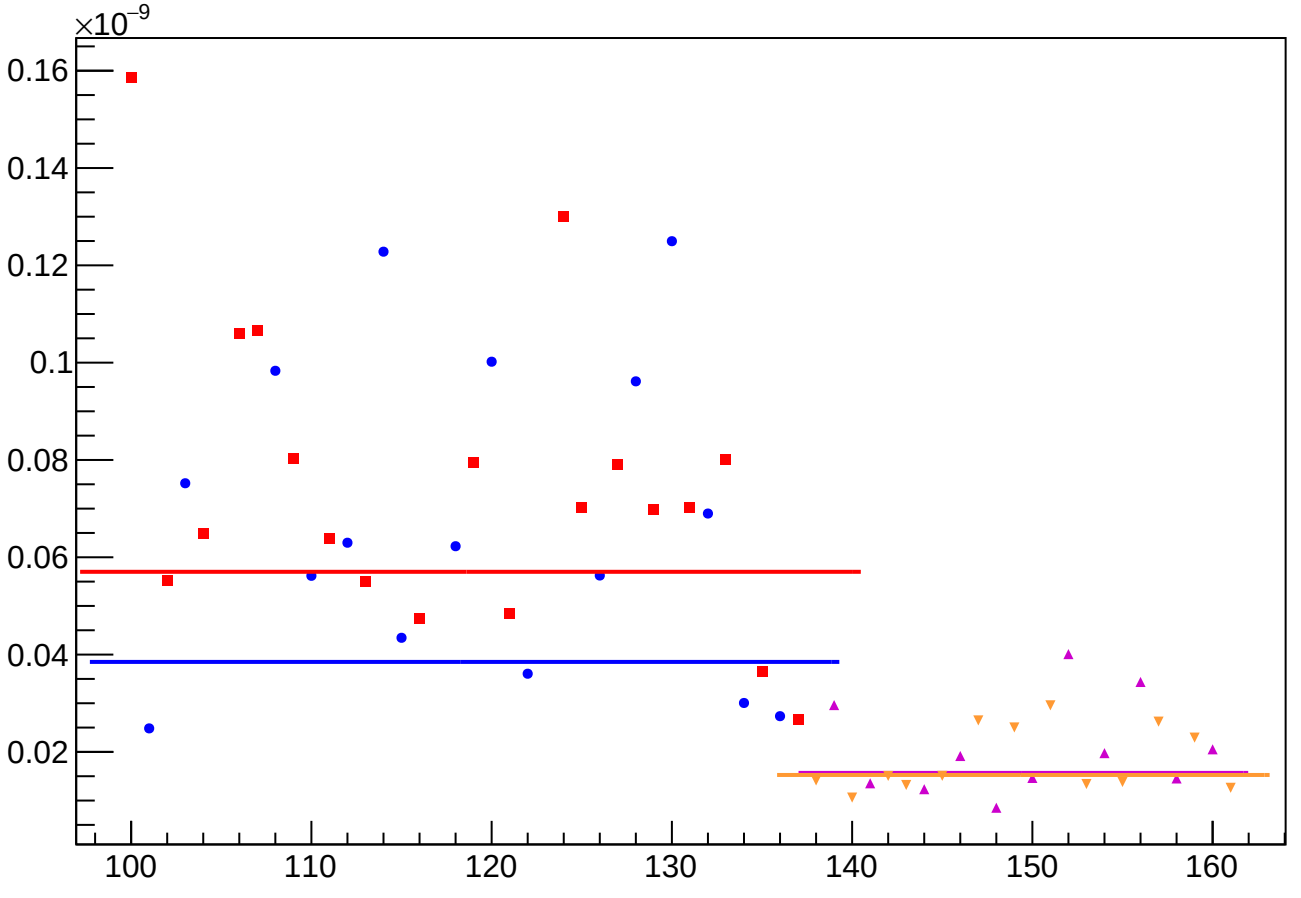
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 48.1/28

All: -0.000+/-0.000 χ^2/NDF: 67.1/58

- sign 0.000+/-0.000 χ^2/NDF: 18.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:724204.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

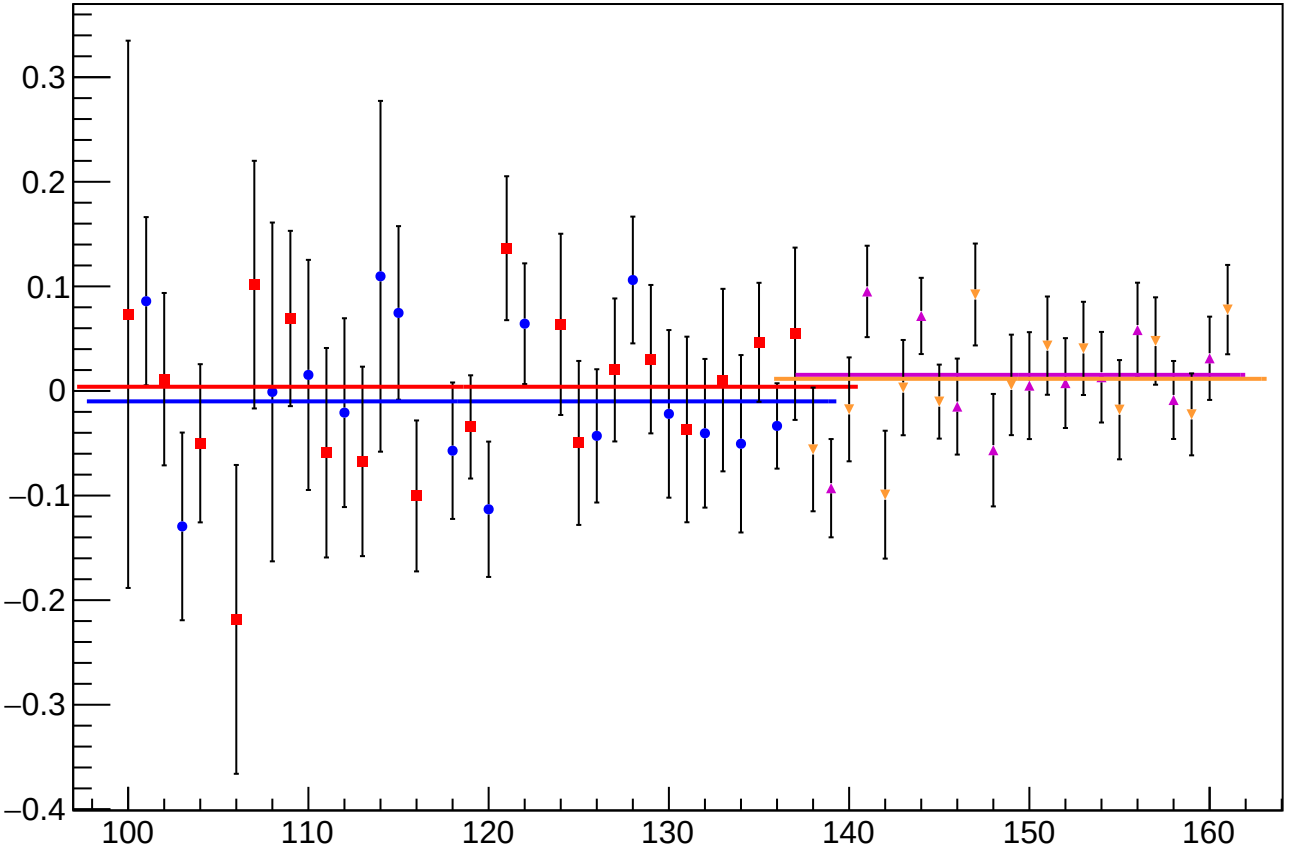
Left In: 0.000+/-0.000 χ^2/NDF:1057476.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 3655934.5/28

All: 0.000+/-0.000 χ^2/NDF: 8169389.6/58

- sign 0.000+/-0.000 χ^2/NDF: 4498765.9/29

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.012+/-0.013 χ^2/NDF:13.3/12

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

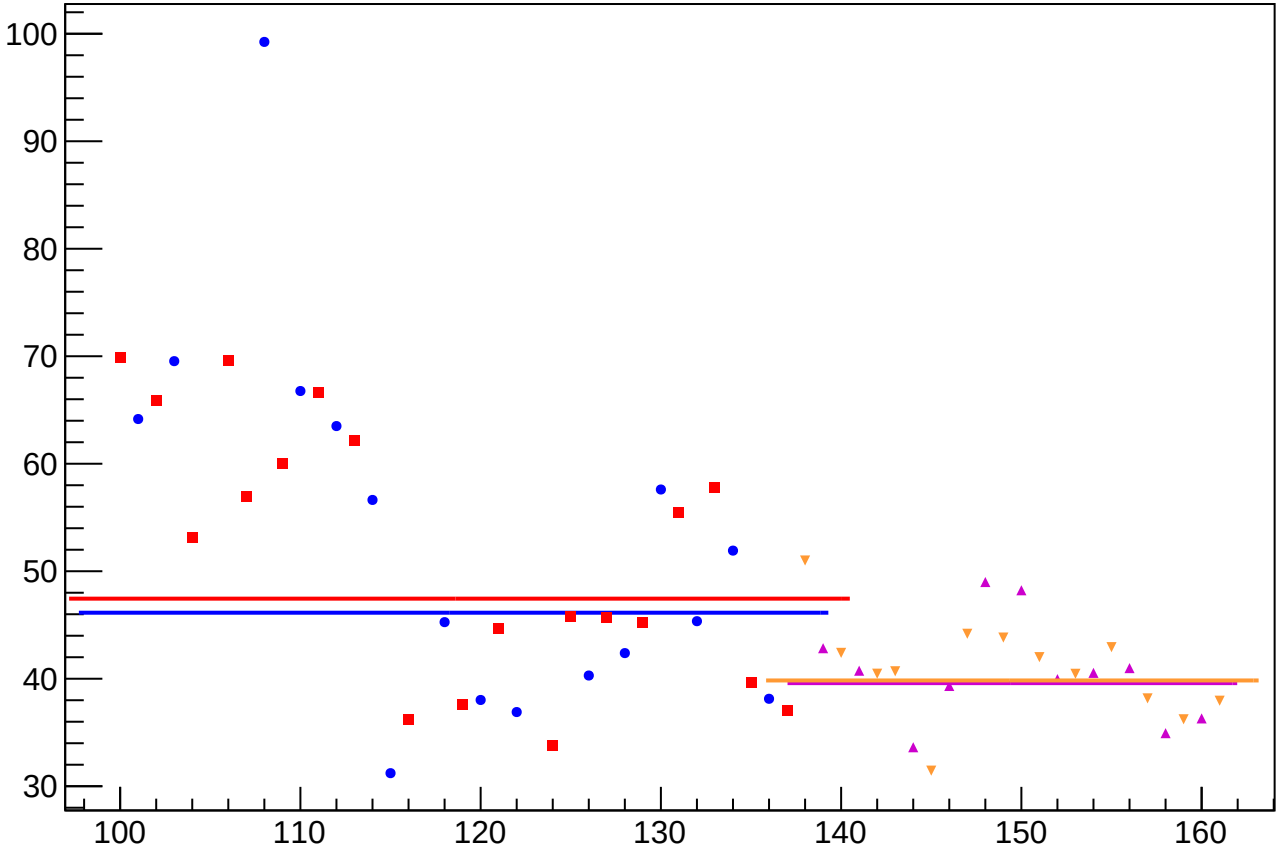
Left In: 0.015+/-0.013 χ^2/NDF:14.8/10

+ sign 0.004+/-0.010 χ^2/NDF: 28.5/28

All: 0.008+/-0.007 χ^2/NDF: 57.6/58

- sign 0.012+/-0.011 χ^2/NDF: 28.9/29

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: 39.839+/-0.009 χ^2/NDF:256899.9/12

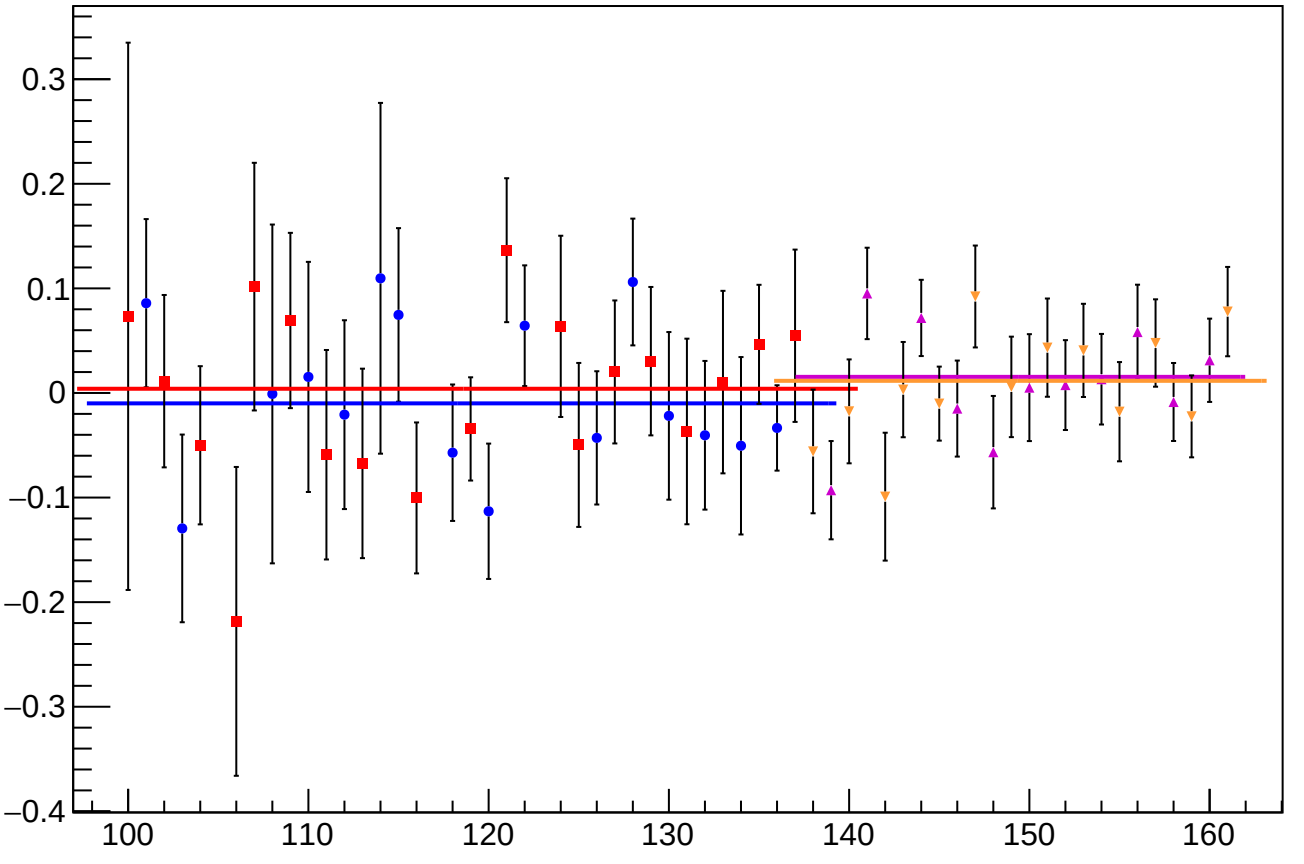
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.591+/-0.009 χ^2/NDF:230726.4/10

\+ sign 41.919+/-0.007 χ^2/NDF: 1324559.0/28

All: 42.099+/-0.005 χ^2/NDF: 2459060.2/58

\- sign 42.288+/-0.007 χ^2/NDF: 1133261.6/29



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.012+/-0.013 χ^2/NDF:13.3/12

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

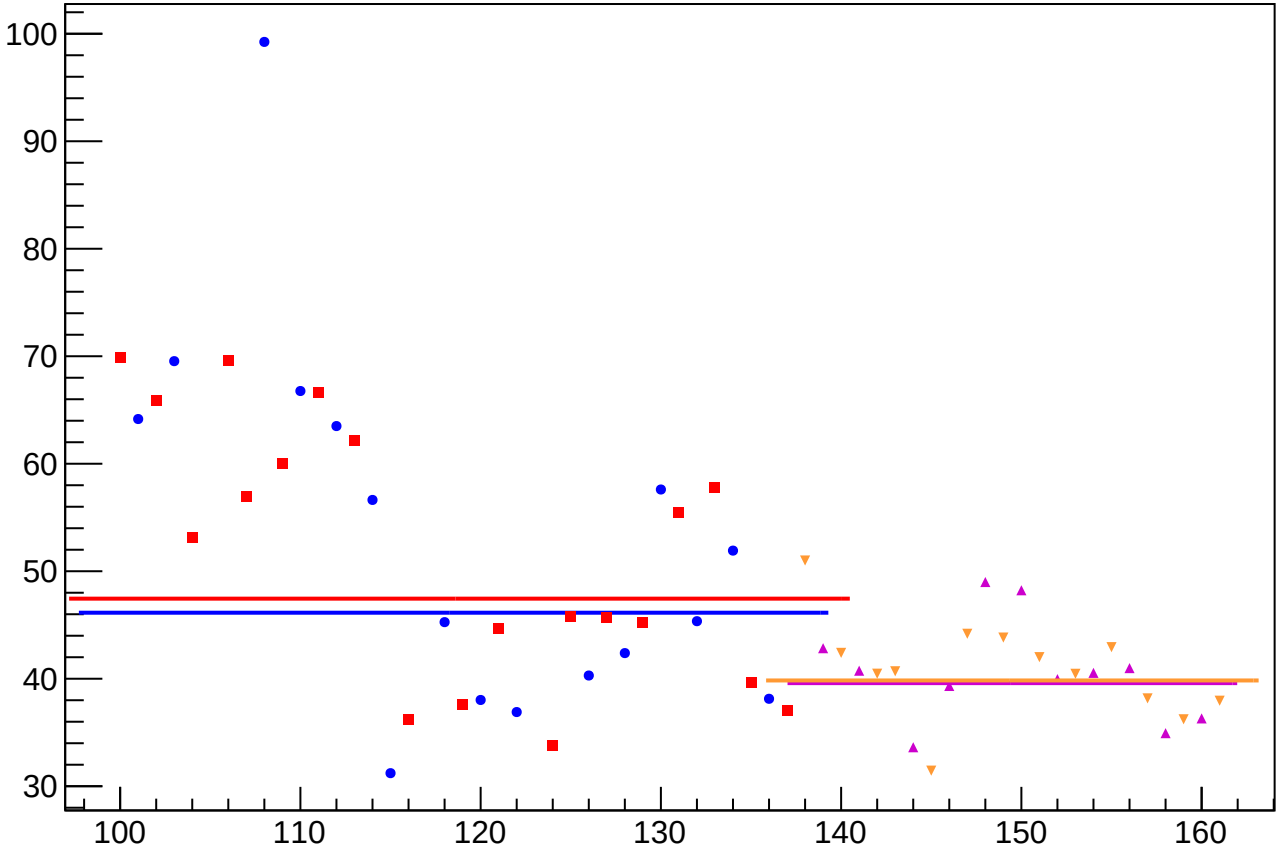
Left In: 0.015+/-0.013 χ^2/NDF:14.8/10

+ sign 0.004+/-0.010 χ^2/NDF: 28.5/28

All: 0.008+/-0.007 χ^2/NDF: 57.6/58

- sign 0.012+/-0.011 χ^2/NDF: 28.9/29

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.839+/-0.009 χ^2/NDF:256899.9/12

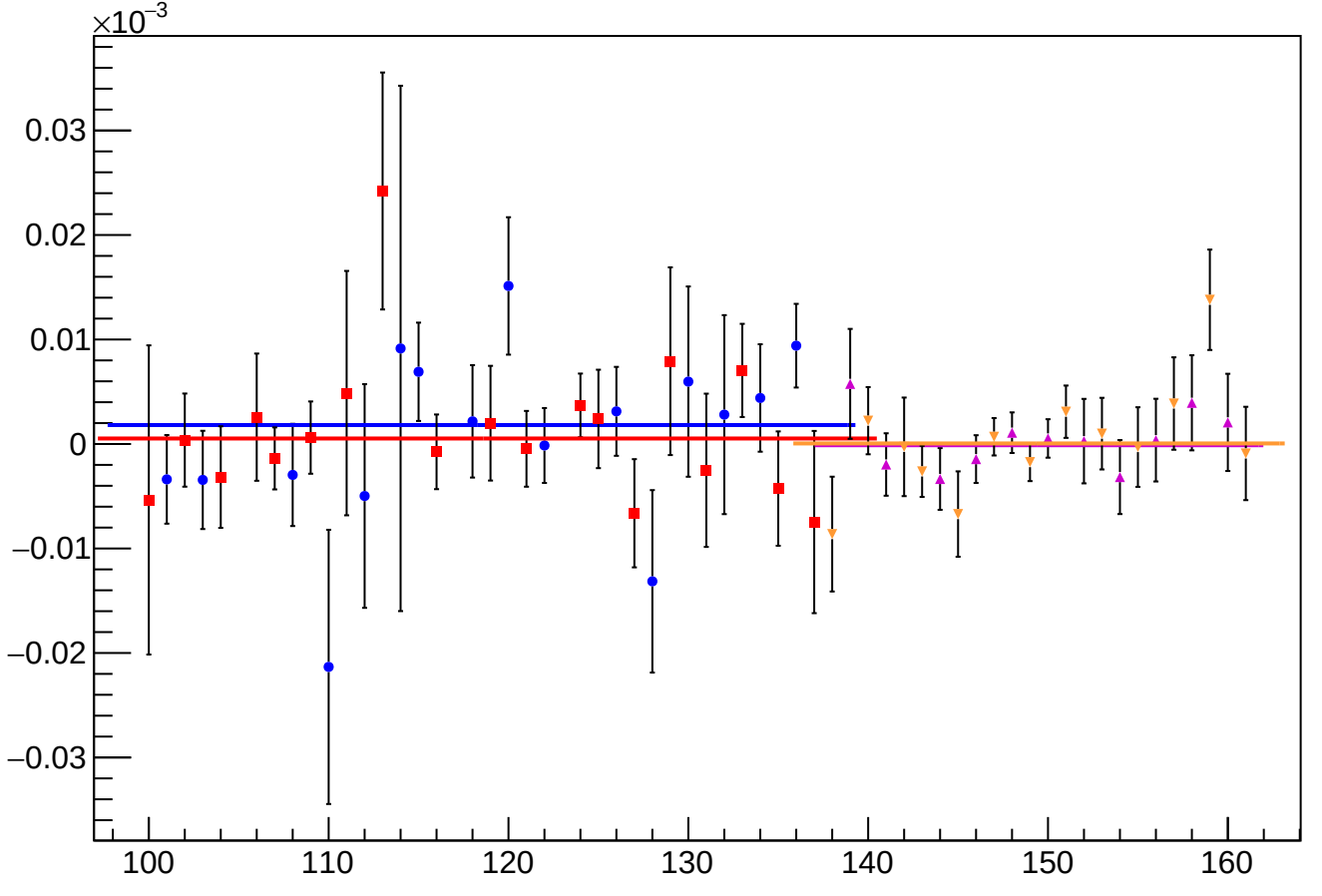
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.591+/-0.009 χ^2/NDF:230726.4/10

+ sign 41.919+/-0.007 χ^2/NDF: 1324559.0/28

All: 42.099+/-0.005 χ^2/NDF: 2459060.2/58

- sign 42.288+/-0.007 χ^2/NDF: 1133261.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/12

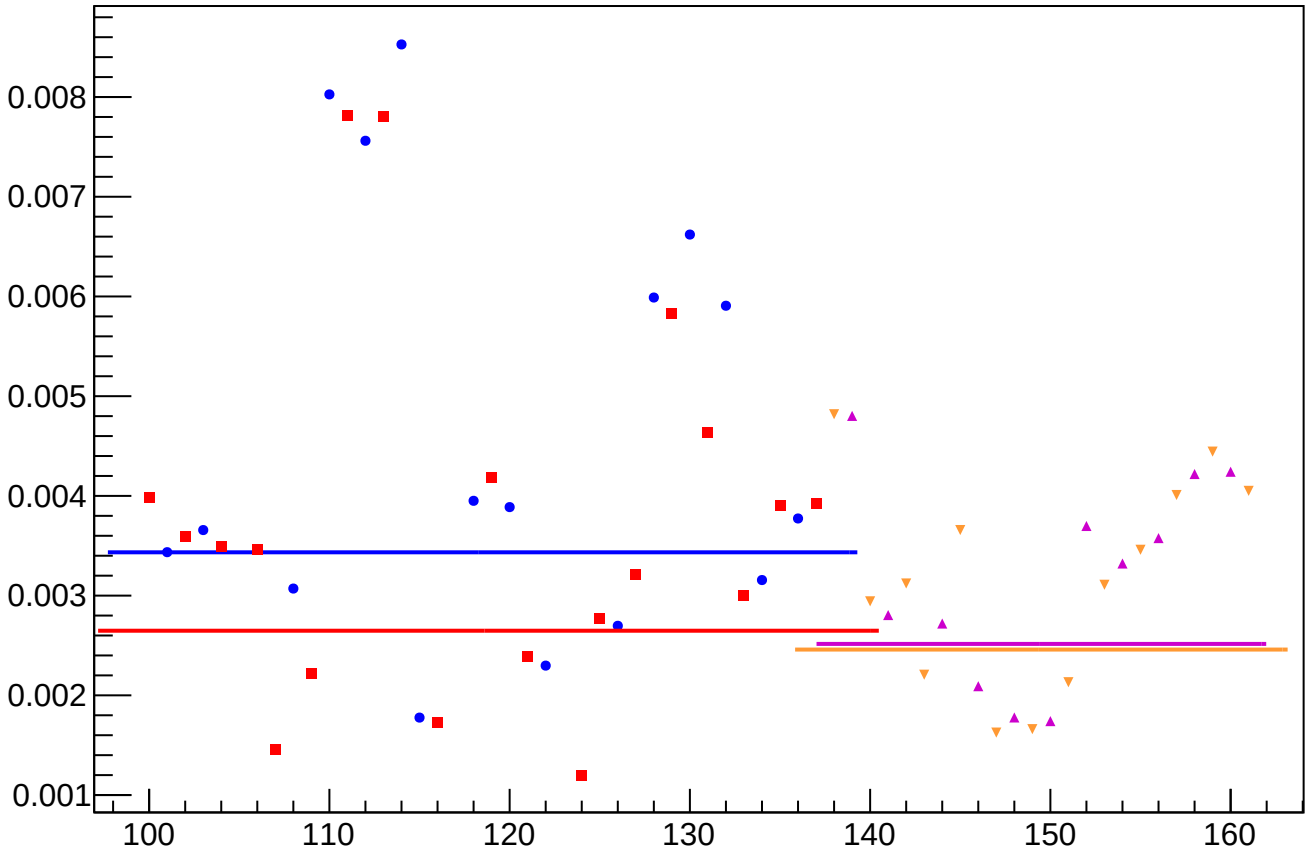
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 39.7/28

All: 0.000+/-0.000 χ^2/NDF: 59.3/58

- sign 0.000+/-0.000 χ^2/NDF: 19.4/29



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2550855.1/12

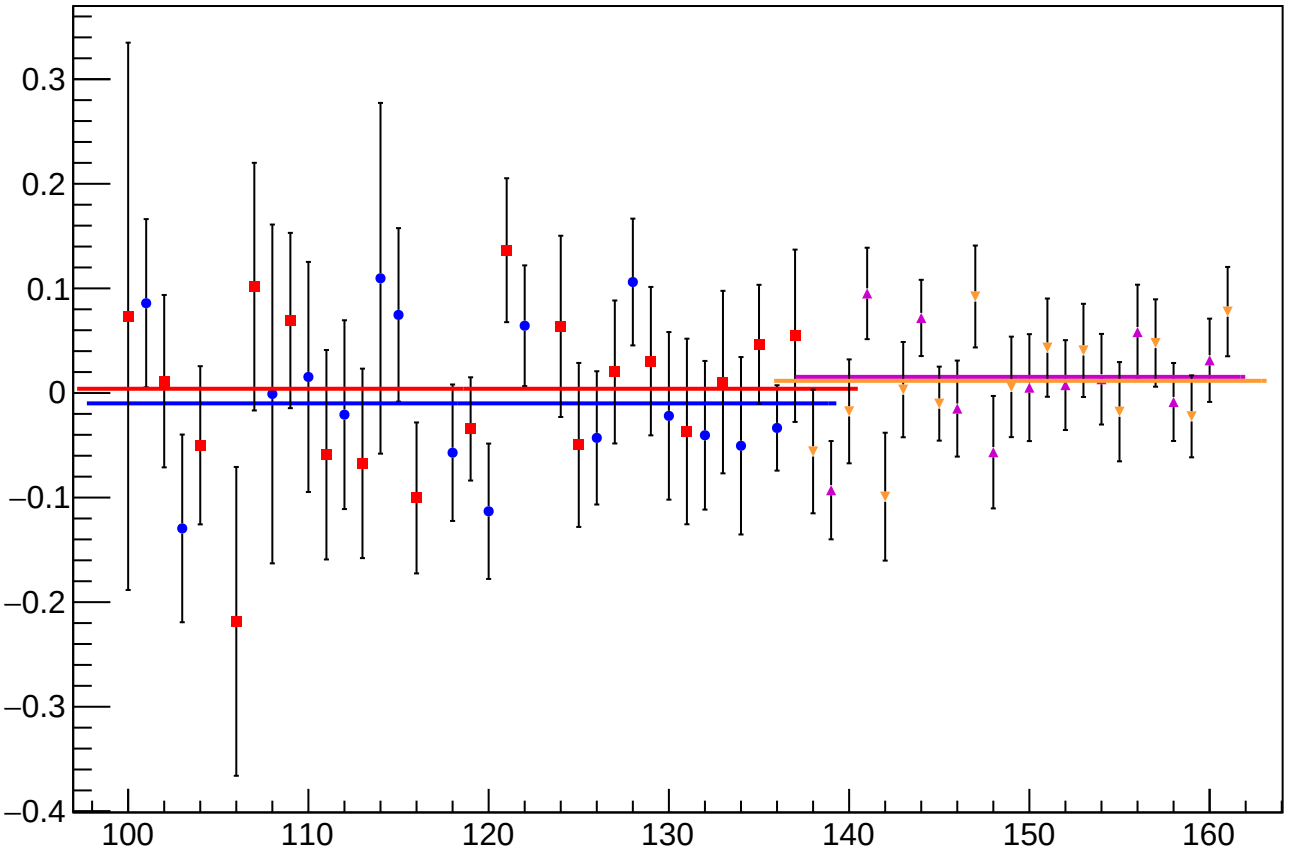
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2091353.8/10

\+ sign 0.003+/-0.000 χ^2/NDF: 5042122.4/28

All: 0.003+/-0.000 χ^2/NDF: 9894945.4/58

\- sign 0.003+/-0.000 χ^2/NDF: 4806179.3/29



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.012+/-0.013 χ^2/NDF:13.3/12

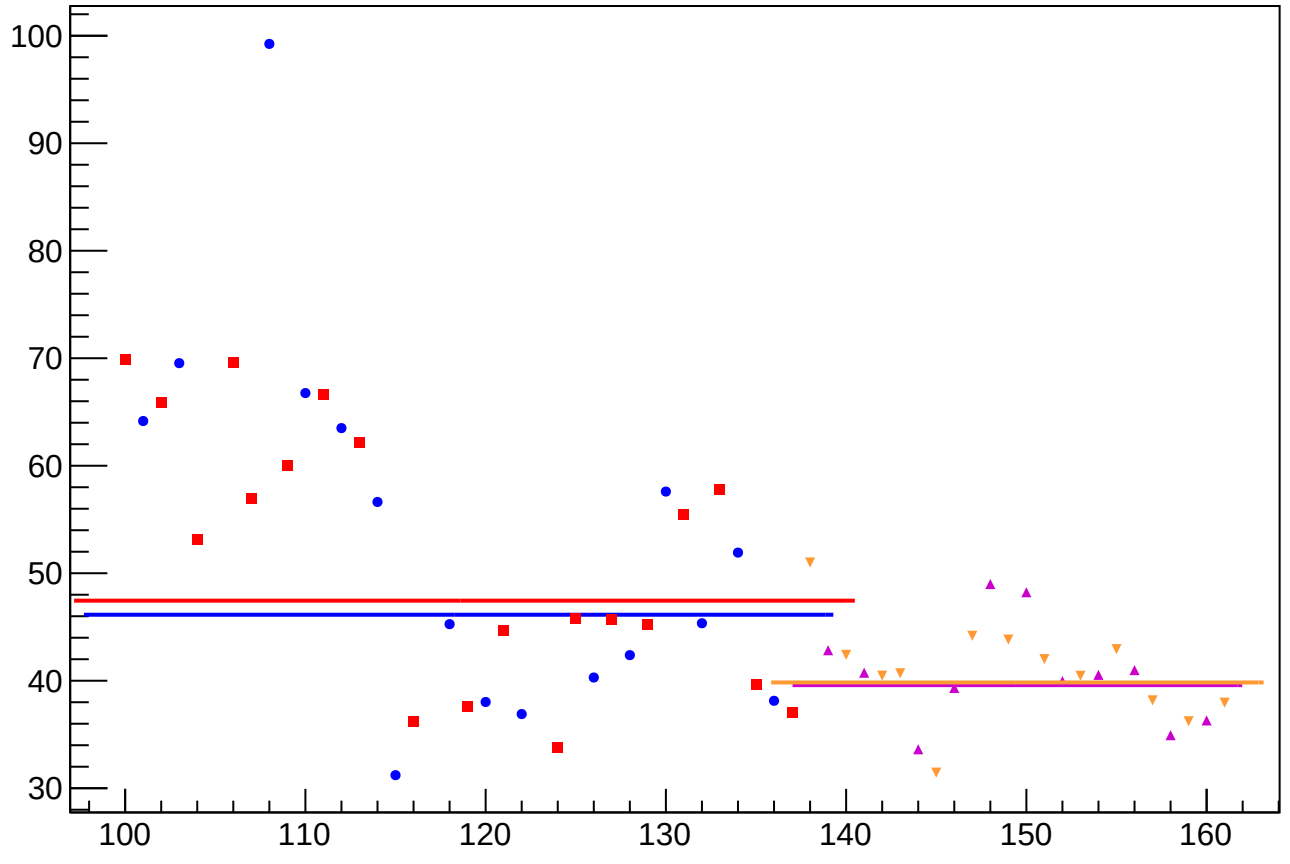
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.015+/-0.013 χ^2/NDF:14.8/10

+ sign 0.004+/-0.010 χ^2/NDF: 28.5/28

All: 0.008+/-0.007 χ^2/NDF: 57.6/58

- sign 0.012+/-0.011 χ^2/NDF: 28.9/29



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.839+/-0.009 χ^2/NDF:256914.4/12

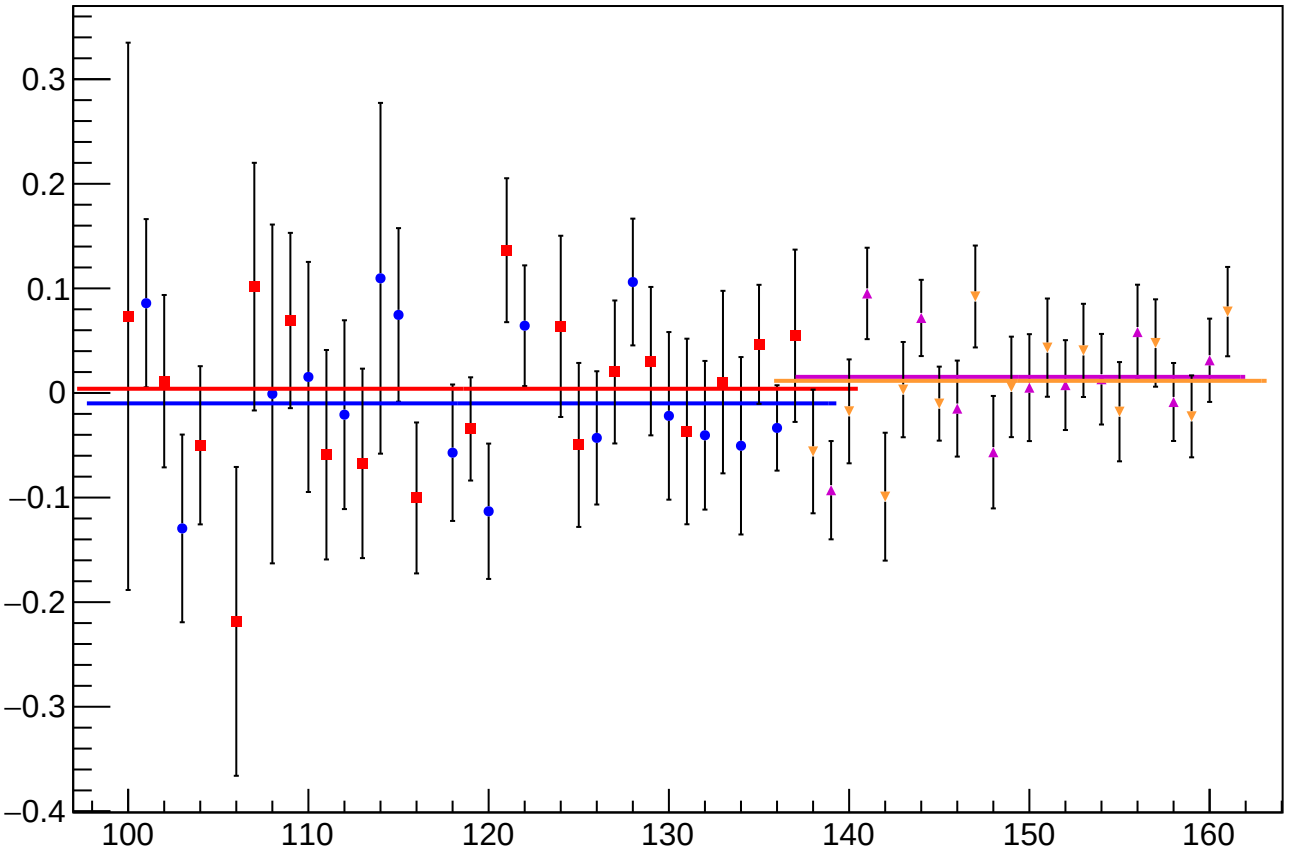
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.590+/-0.009 χ^2/NDF:230756.8/10

+ sign 41.919+/-0.007 χ^2/NDF: 1324461.9/28

All: 42.099+/-0.005 χ^2/NDF: 2458929.2/58

- sign 42.288+/-0.007 χ^2/NDF: 1133228.6/29



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.012+/-0.013 χ^2/NDF:13.3/12

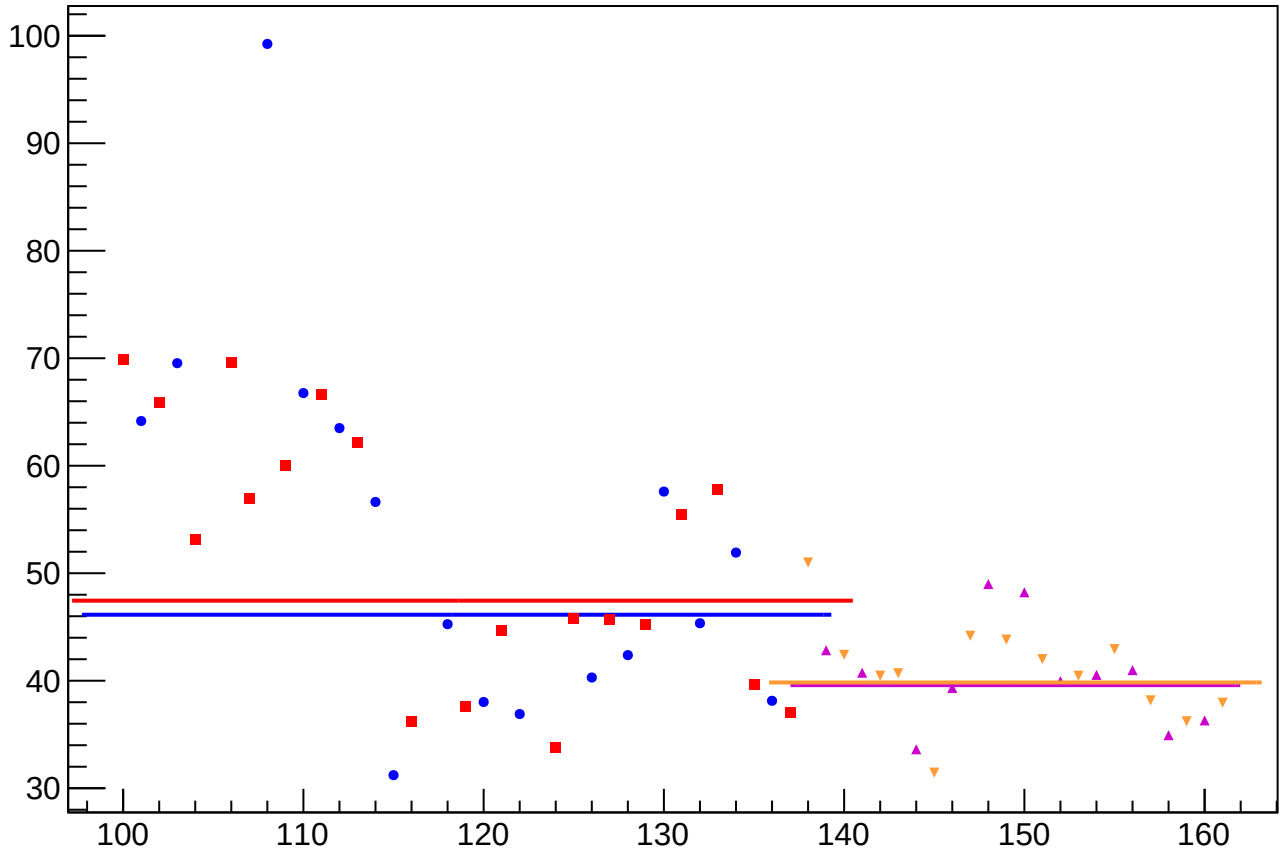
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.015+/-0.013 χ^2/NDF:14.8/10

+ sign 0.004+/-0.010 χ^2/NDF: 28.5/28

All: 0.008+/-0.007 χ^2/NDF: 57.6/58

- sign 0.012+/-0.011 χ^2/NDF: 28.9/29



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.839+/-0.009 χ^2/NDF:256914.4/12

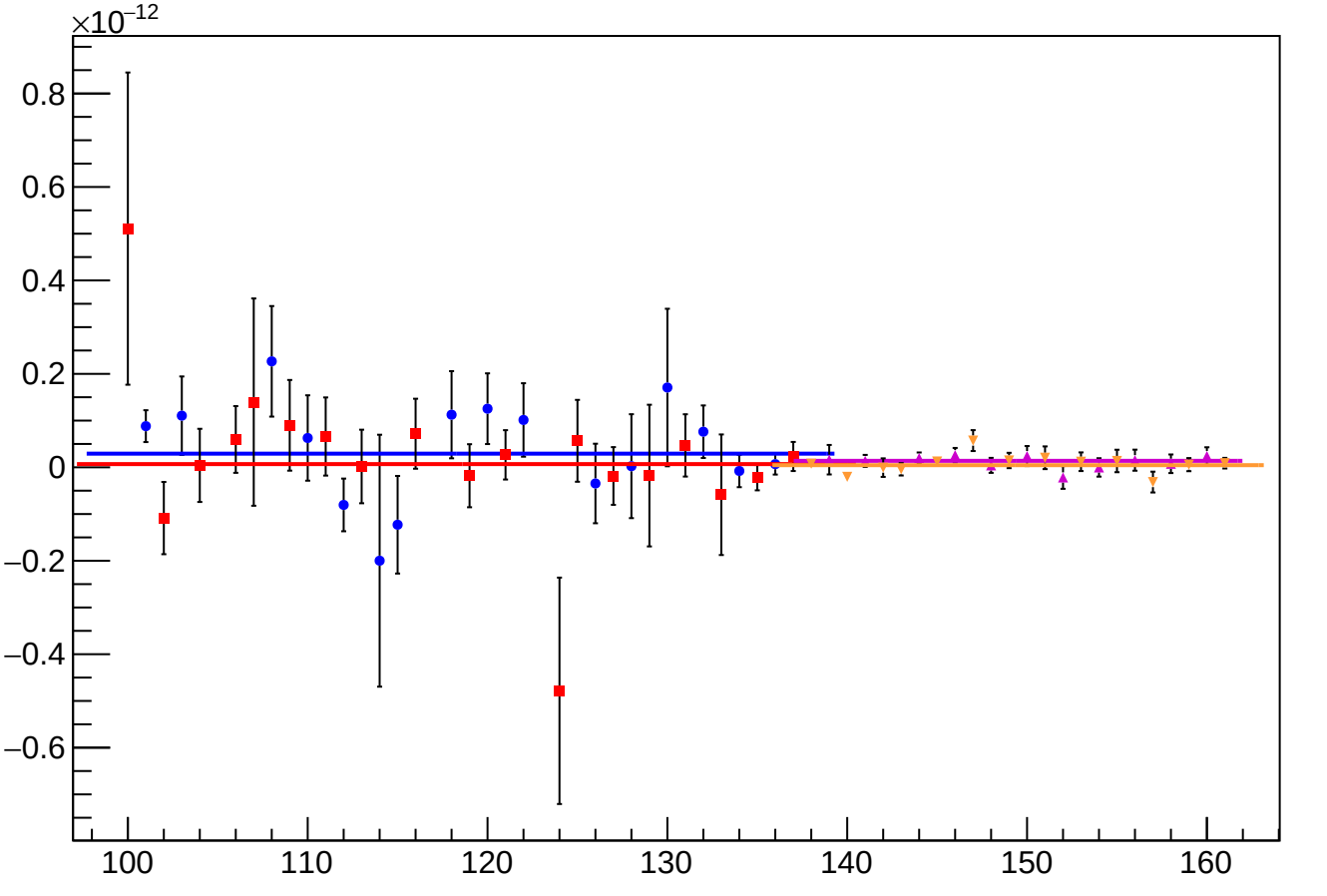
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.590+/-0.009 χ^2/NDF:230756.8/10

+ sign 41.919+/-0.007 χ^2/NDF: 1324461.9/28

All: 42.099+/-0.005 χ^2/NDF: 2458929.2/58

- sign 42.288+/-0.007 χ^2/NDF: 1133228.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/12

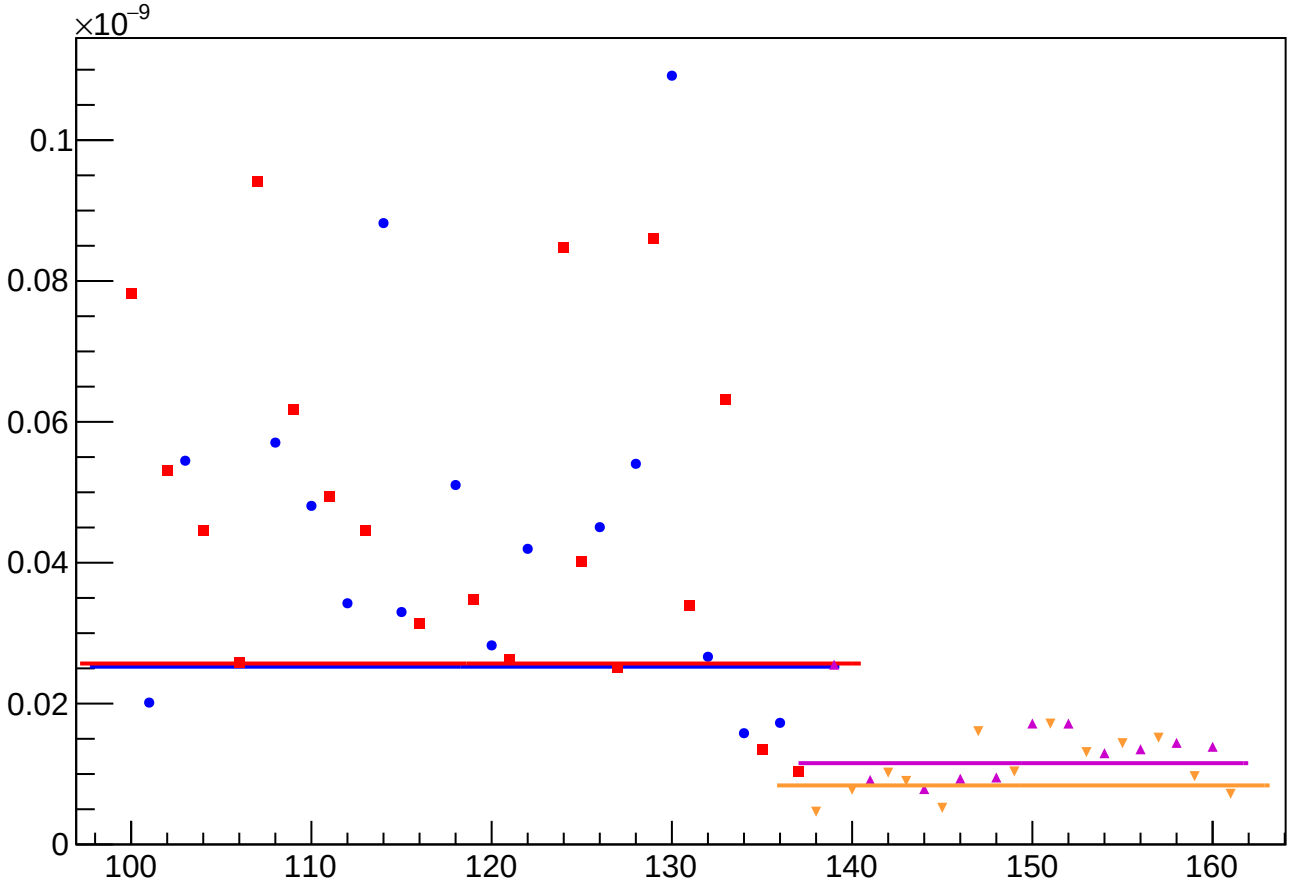
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 40.2/28

All: 0.000+/-0.000 χ^2/NDF: 60.3/58

- sign 0.000+/-0.000 χ^2/NDF: 19.0/29



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1527889.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

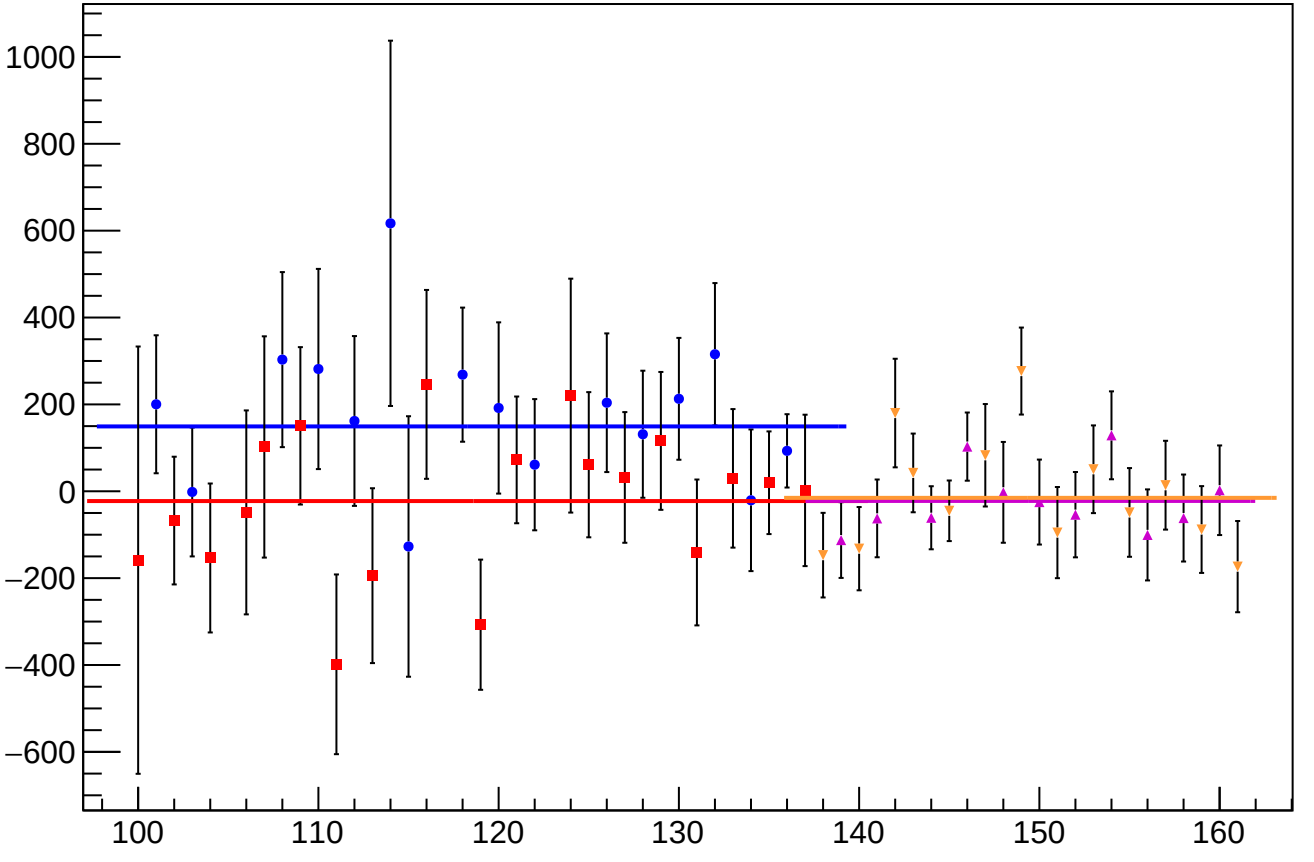
Left In: 0.000+/-0.000 χ^2/NDF:1068360.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 6515553.9/28

All: 0.000+/-0.000 χ^2/NDF: 12735525.5/58

- sign 0.000+/-0.000 χ^2/NDF: 5573879.0/29

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -15.170+/-27.233 χ^2/NDF:19.5/12

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

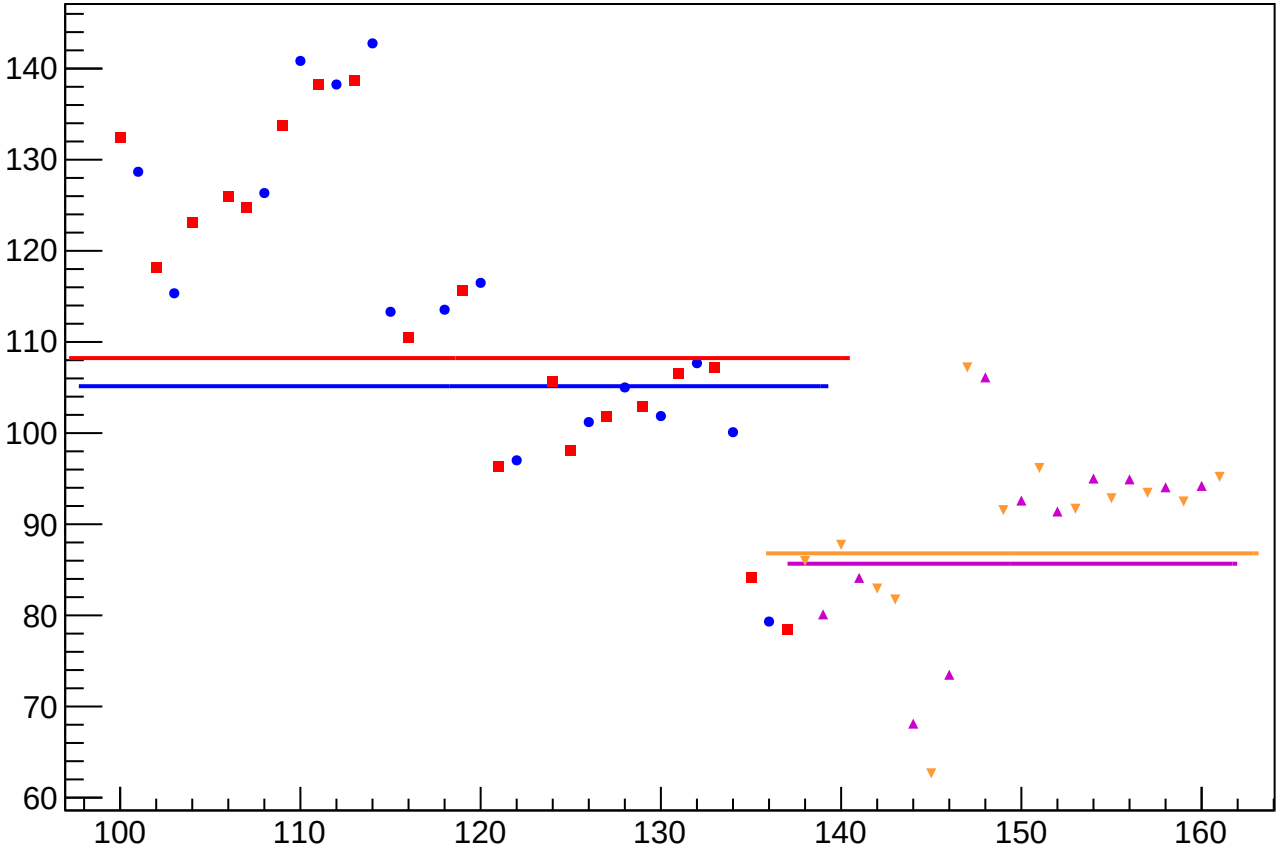
Left In: -22.246+/-28.025 χ^2/NDF:7.2/10

\+ sign 37.483+/-22.455 χ^2/NDF: 39.2/28

All: 8.249+/-16.057 χ^2/NDF: 64.1/58

\- sign -22.345+/-22.971 χ^2/NDF: 21.4/29

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 86.807+/-0.019 χ^2/NDF:367575.5/12

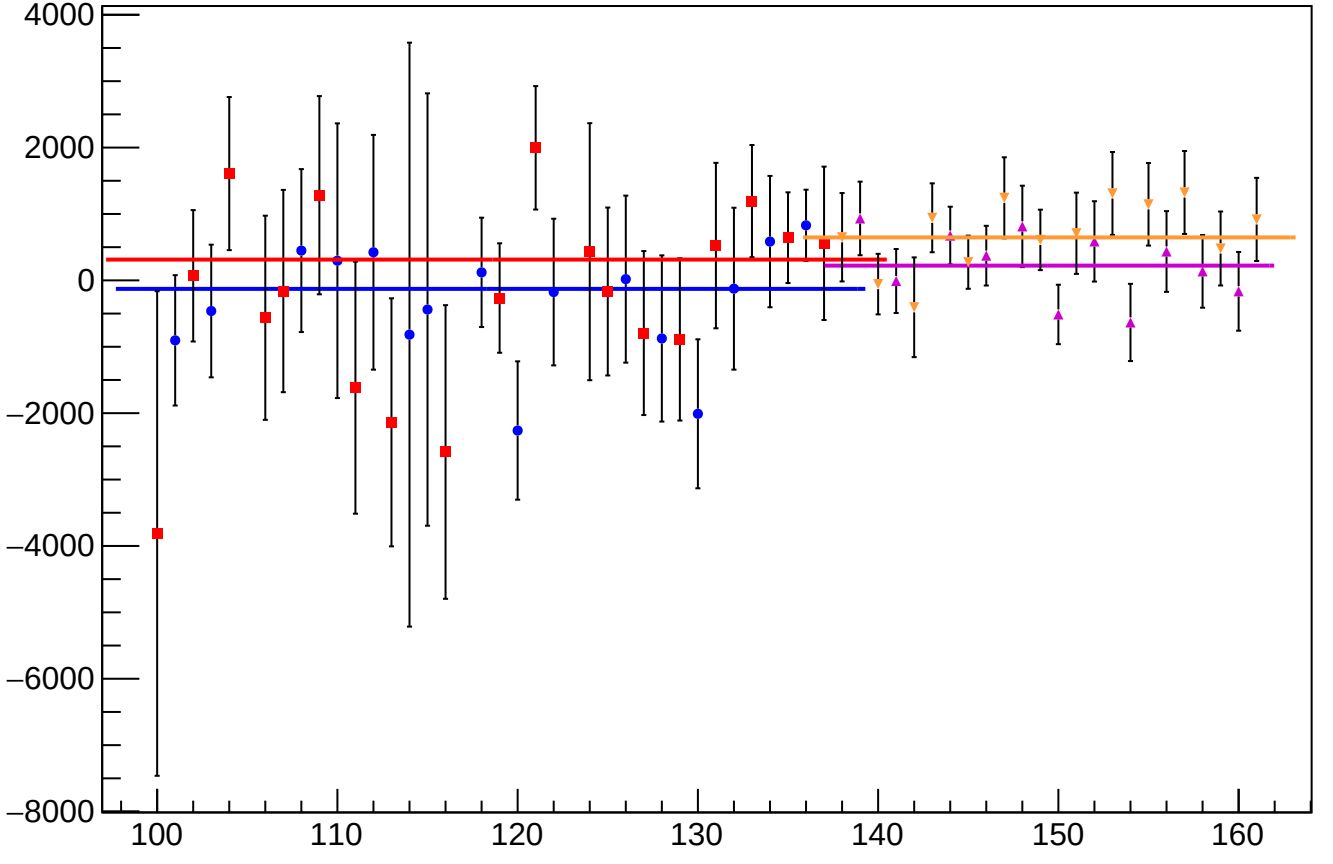
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.670+/-0.020 χ^2/NDF:313061.6/10

+ sign 92.678+/-0.016 χ^2/NDF: 1066323.4/28

All: 92.871+/-0.011 χ^2/NDF: 2155030.5/58

- sign 93.074+/-0.016 χ^2/NDF: 1088403.9/29



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 646.768+/-153.449 χ^2/NDF:9.7/12

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

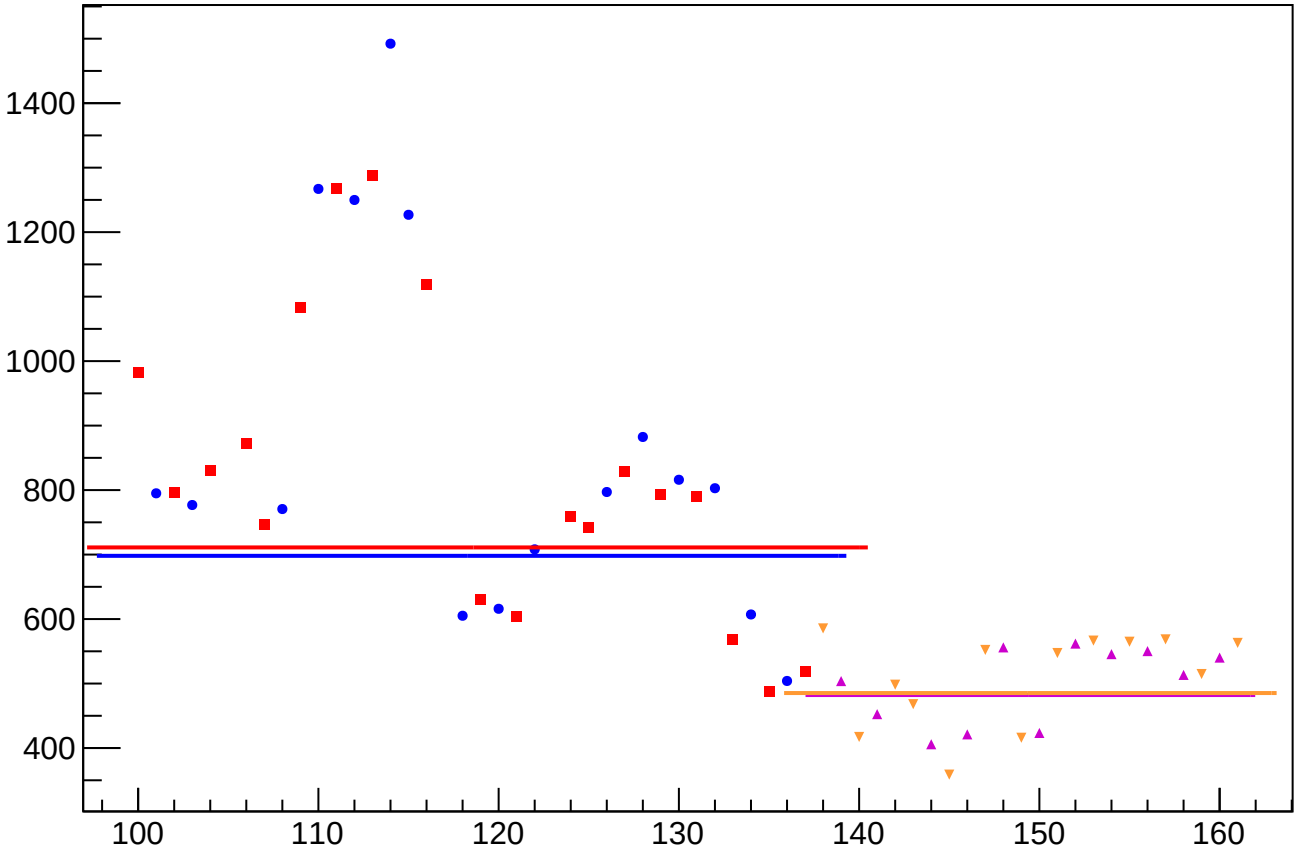
Left In: 222.137+/-158.052 χ^2/NDF:9.8/10

\+ sign 456.122+/-133.240 χ^2/NDF: 28.3/28

All: 353.203+/-95.318 χ^2/NDF: 54.4/58

\- sign 245.318+/-136.417 χ^2/NDF: 24.9/29

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 485.280+/-0.109 χ^2/NDF:522255.8/12

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

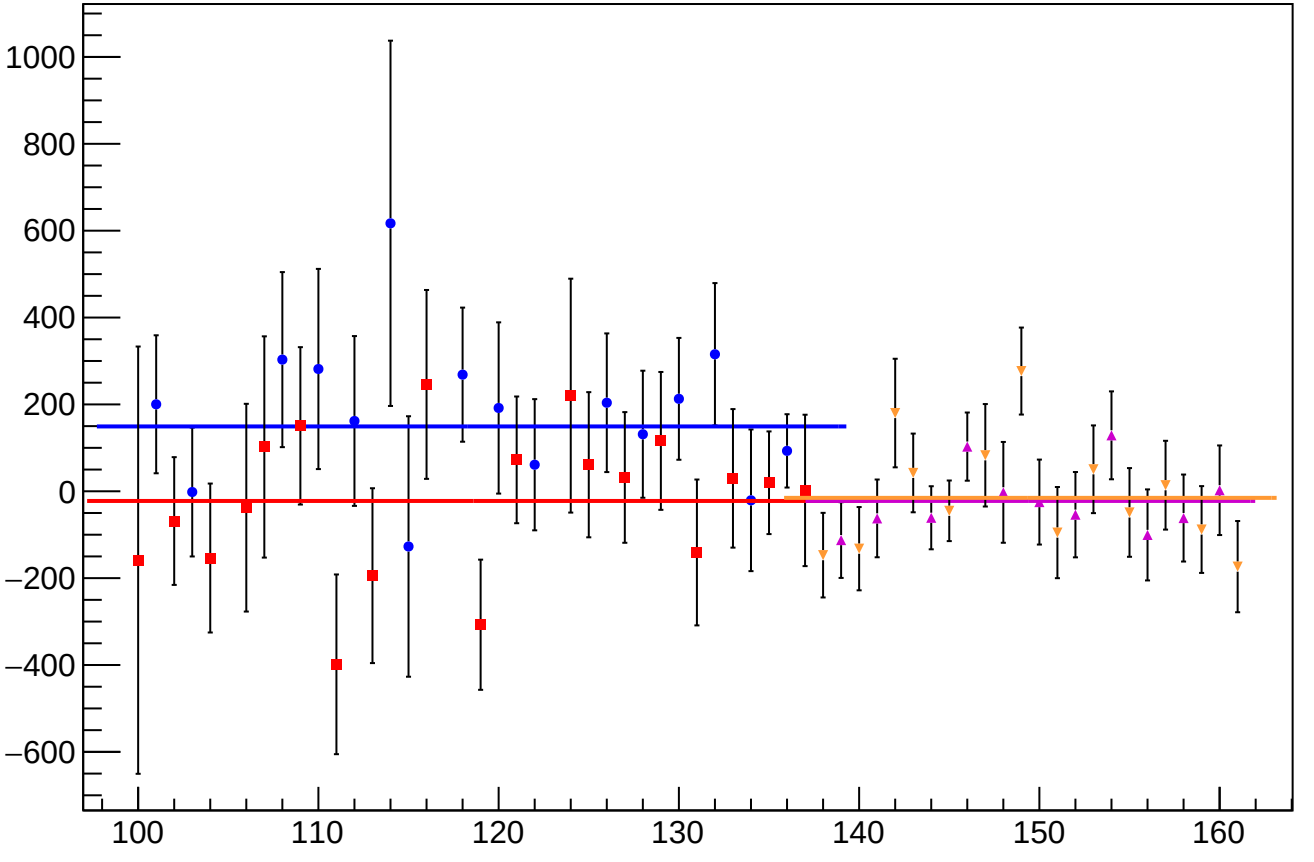
Left In: 482.179+/-0.112 χ^2/NDF:281995.4/10

+ sign 537.633+/-0.094 χ^2/NDF: 2381267.2/28

All: 539.061+/-0.067 χ^2/NDF: 4768753.8/58

- sign 540.558+/-0.096 χ^2/NDF: 2387016.1/29

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -15.168+/-27.233 χ^2/NDF:19.5/12

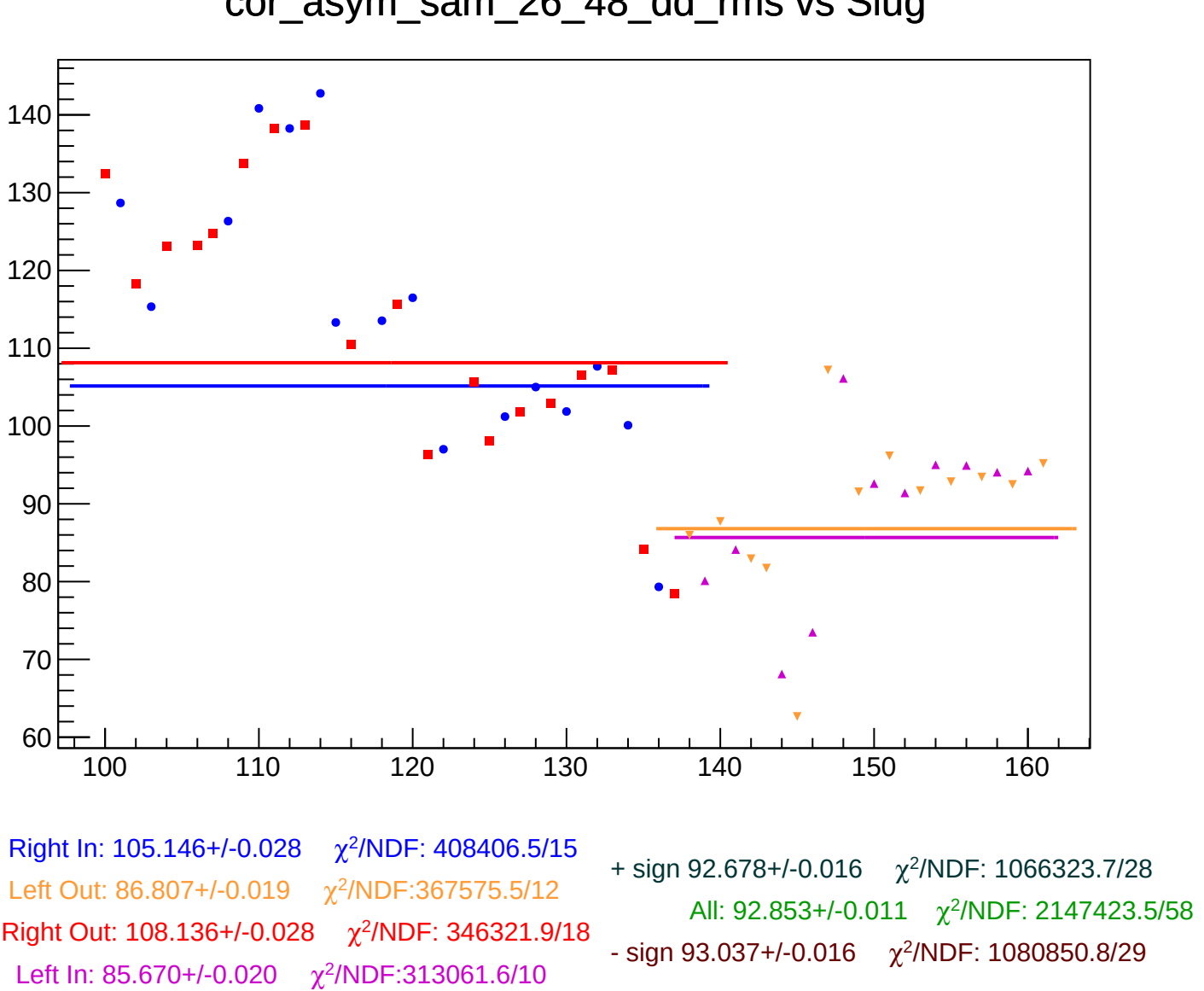
Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

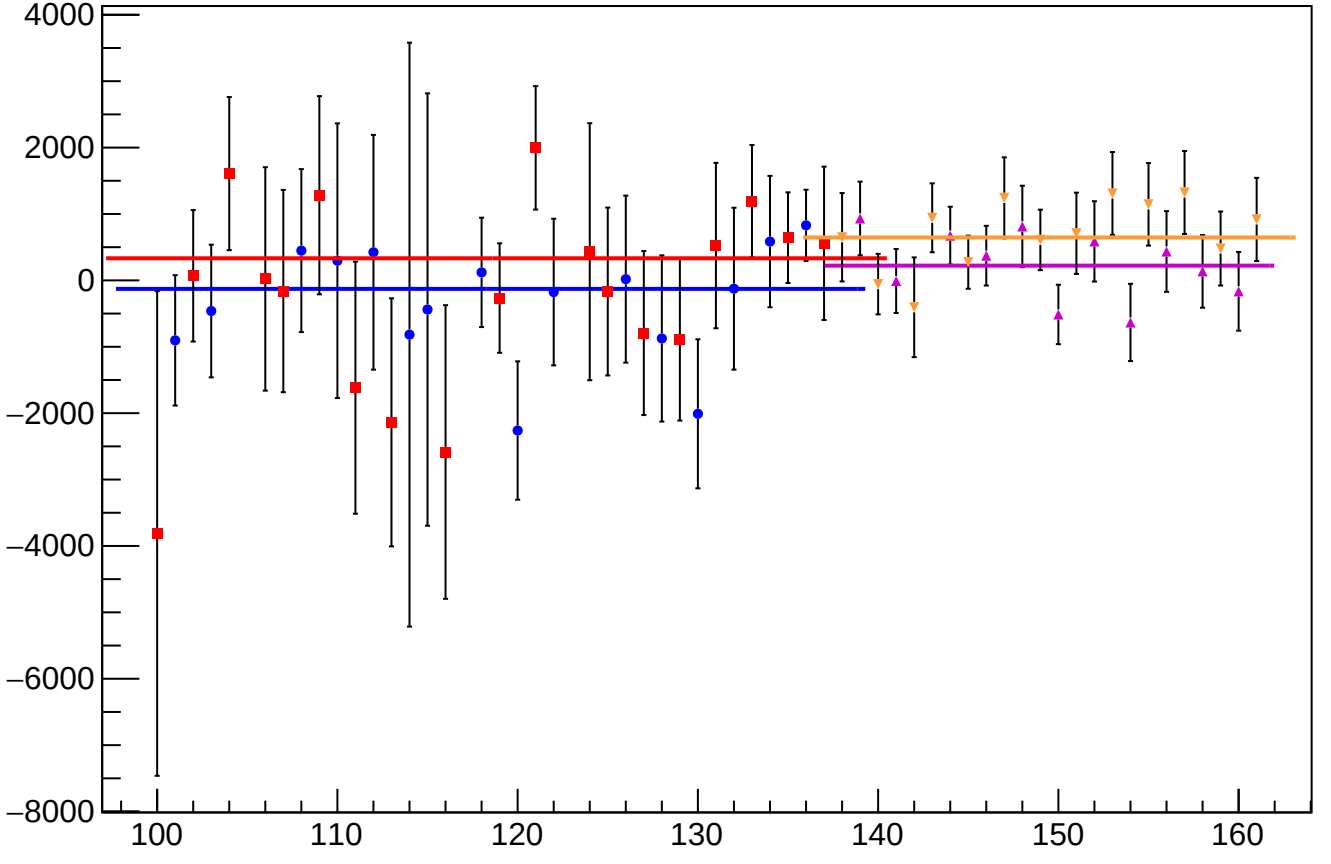
Left In: -22.243+/-28.025 χ^2/NDF:7.2/10

\+ sign 37.481+/-22.455 χ^2/NDF: 39.2/28

All: 8.294+/-16.059 χ^2/NDF: 64.1/58

\- sign -22.261+/-22.975 χ^2/NDF: 21.4/29


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
Right In: 105.146+/-0.028 χ²/NDF: 408406.5/15
Left Out: 86.807+/-0.019 χ²/NDF:367575.5/12
Right Out: 108.136+/-0.028 χ²/NDF: 346321.9/18
Left In: 85.670+/-0.020 χ²/NDF:313061.6/10
+ sign 92.678+/-0.016 χ²/NDF: 1066323.7/28
All: 92.853+/-0.011 χ²/NDF: 2147423.5/58
- sign 93.037+/-0.016 χ²/NDF: 1080850.8/29



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 646.771+/-153.449 χ^2/NDF:9.7/12

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

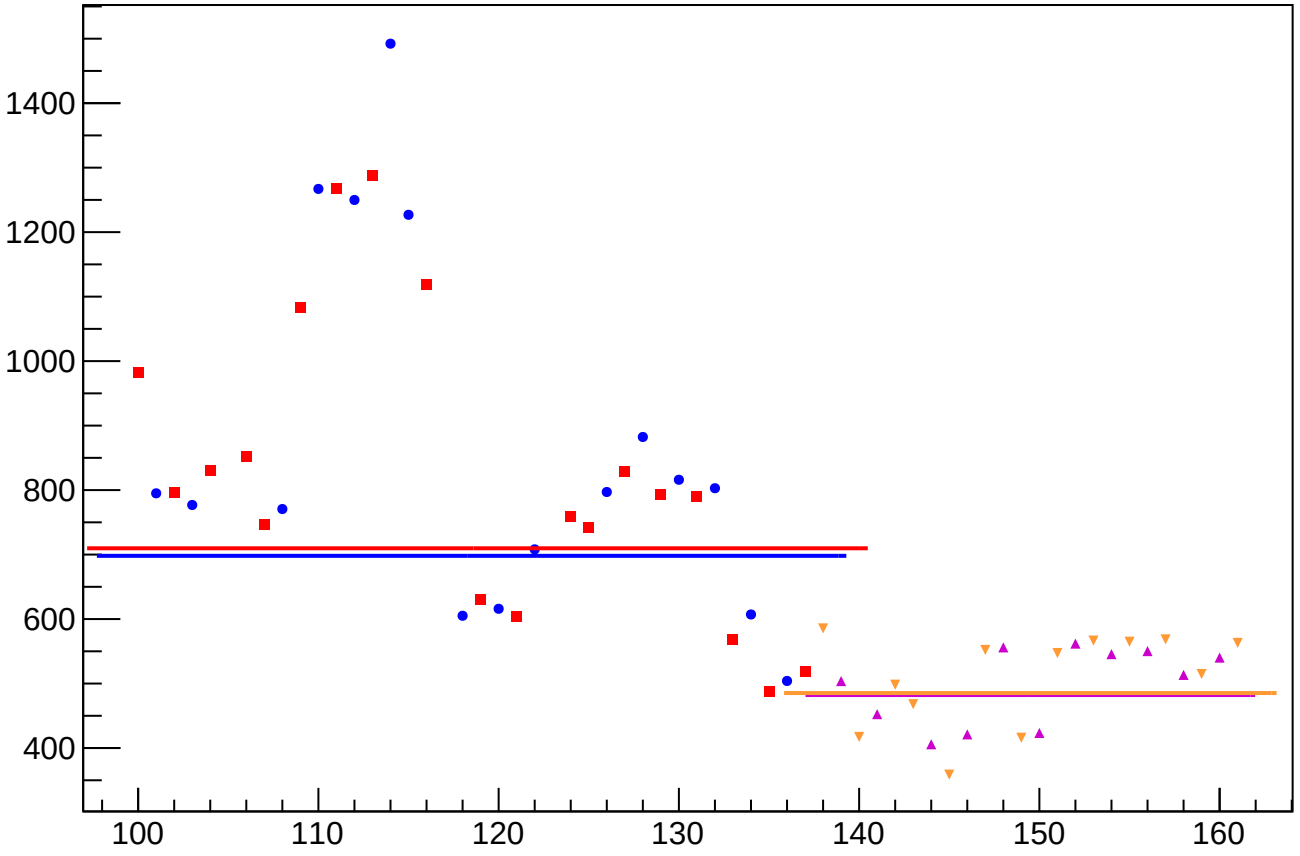
Left In: 222.137+/-158.052 χ^2/NDF:9.8/10

+ sign 456.127+/-133.241 χ^2/NDF: 28.3/28

All: 355.665+/-95.349 χ^2/NDF: 54.1/58

- sign 250.215+/-136.508 χ^2/NDF: 24.6/29

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 485.280+/-0.109 χ^2/NDF:522257.9/12

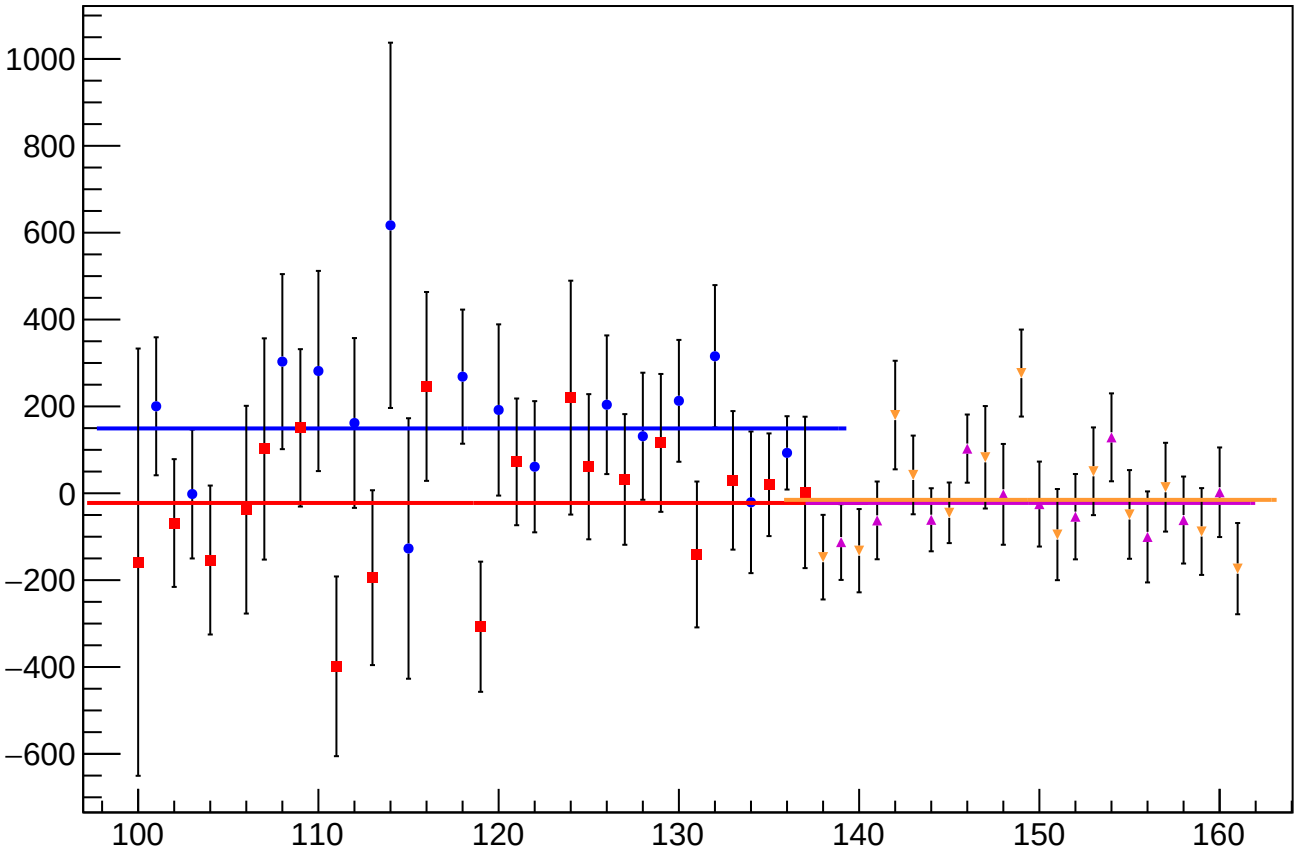
Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 482.179+/-0.112 χ^2/NDF:281992.6/10

+ sign 537.633+/-0.094 χ^2/NDF: 2381281.1/28

All: 538.784+/-0.067 χ^2/NDF: 4744014.5/58

- sign 539.991+/-0.097 χ^2/NDF: 2362427.8/29



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -15.168+/-27.233 χ^2/NDF:19.5/12

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

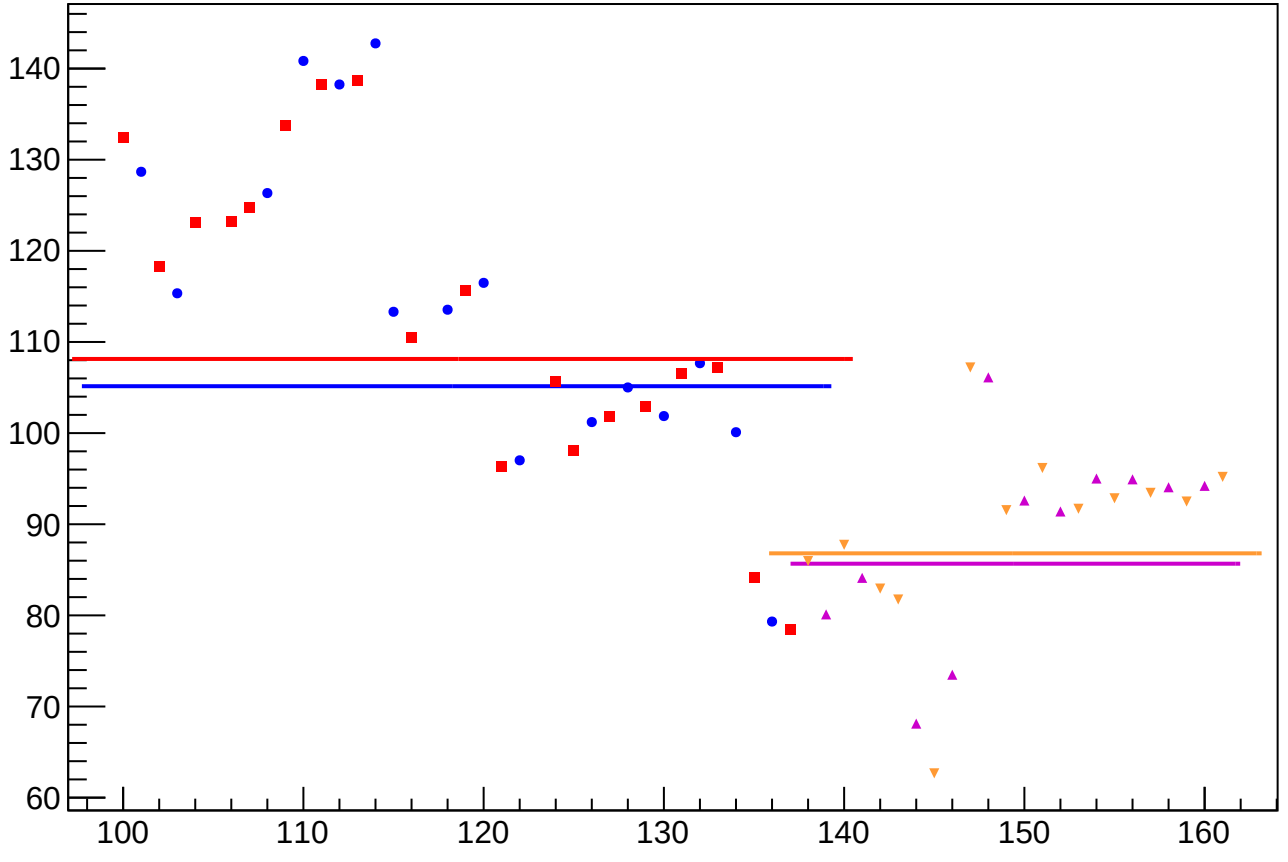
Left In: -22.243+/-28.025 χ^2/NDF:7.2/10

+ sign 37.481+/-22.455 χ^2/NDF: 39.2/28

All: 8.294+/-16.059 χ^2/NDF: 64.1/58

- sign -22.261+/-22.975 χ^2/NDF: 21.4/29

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.807+/-0.019 χ^2/NDF:367575.5/12

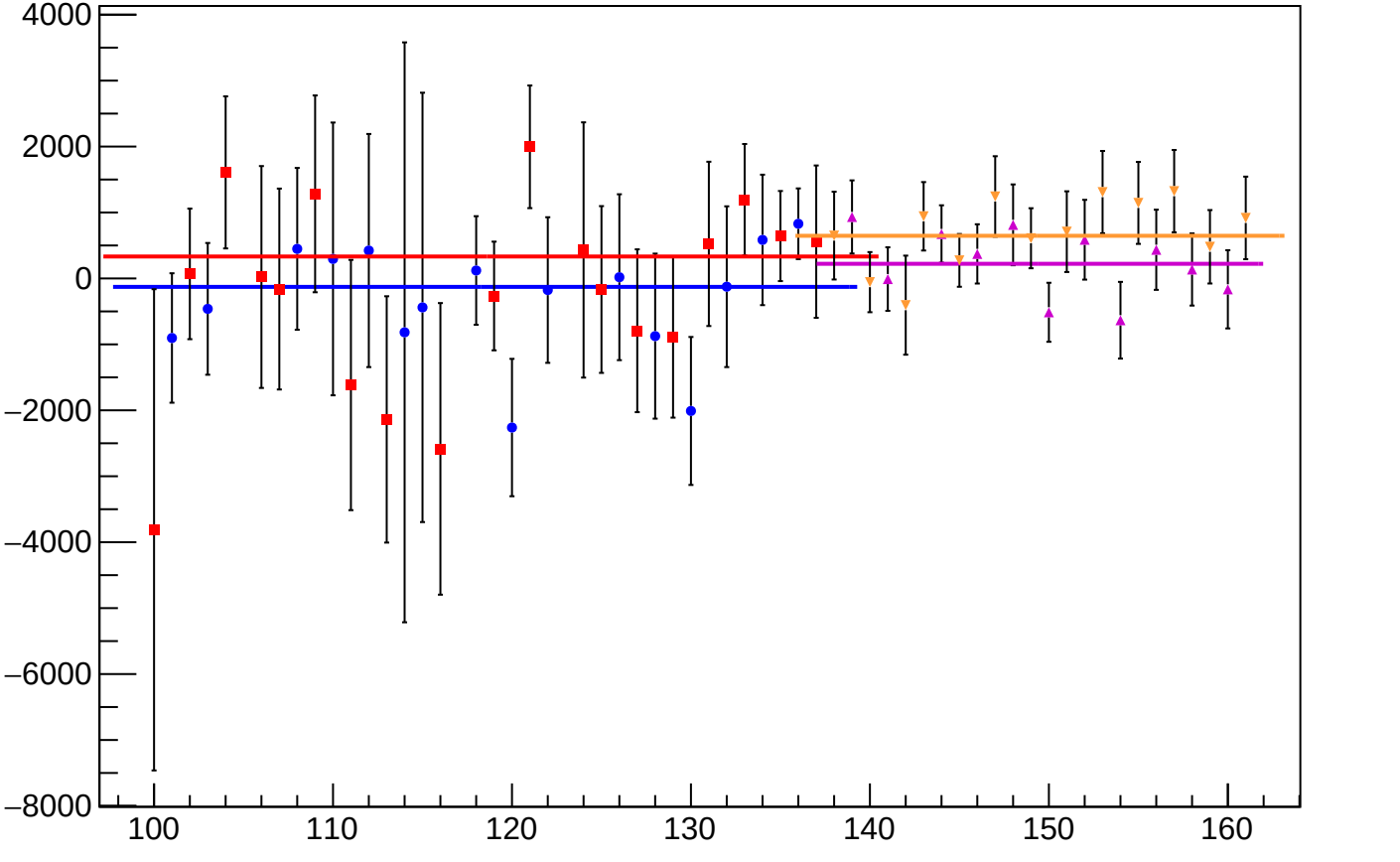
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.670+/-0.020 χ^2/NDF:313061.6/10

+ sign 92.678+/-0.016 χ^2/NDF: 1066323.7/28

All: 92.853+/-0.011 χ^2/NDF: 2147423.5/58

- sign 93.037+/-0.016 χ^2/NDF: 1080850.8/29



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 646.771+/-153.449 χ^2/NDF:9.7/12

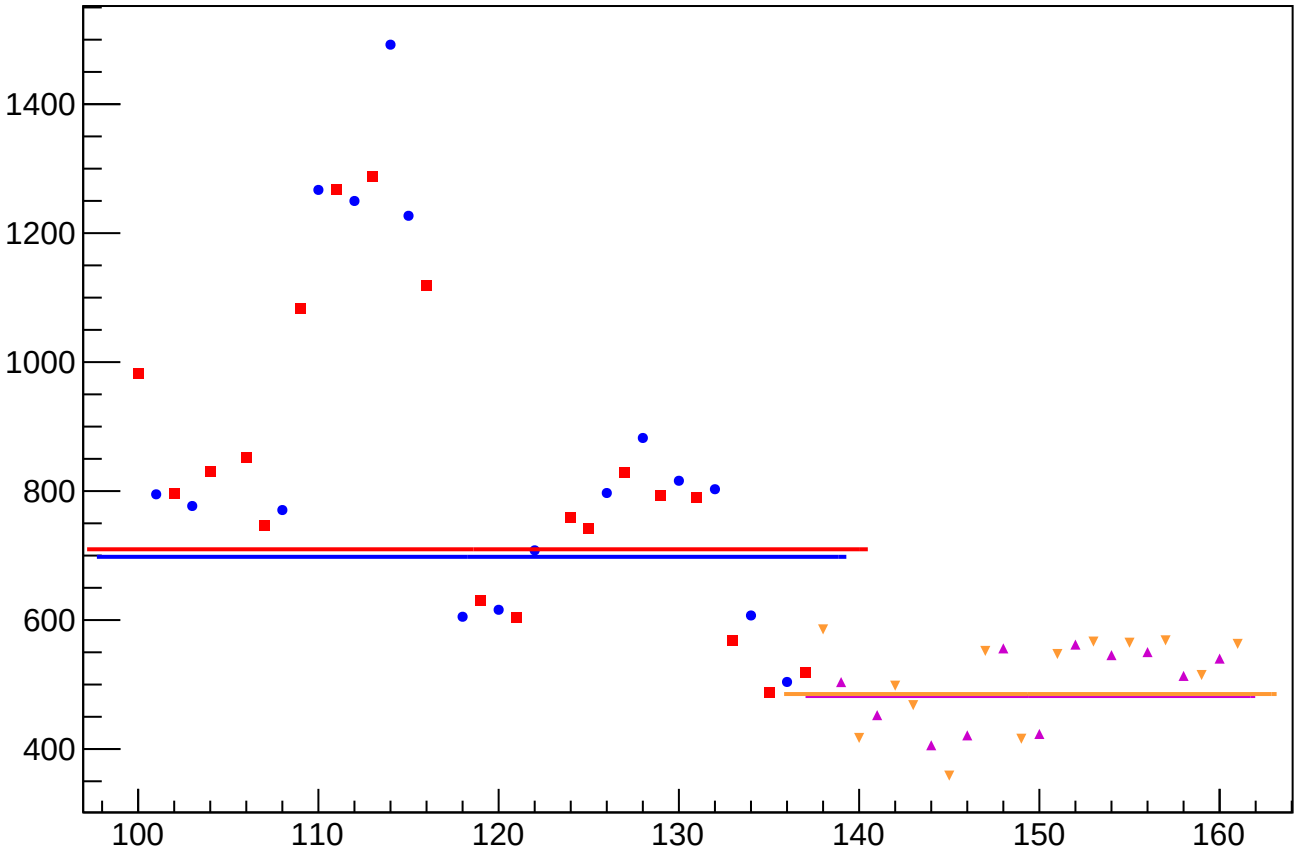
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 222.137+/-158.052 χ^2/NDF:9.8/10

+ sign 456.127+/-133.241 χ^2/NDF: 28.3/28

All: 355.665+/-95.349 χ^2/NDF: 54.1/58

- sign 250.215+/-136.508 χ^2/NDF: 24.6/29



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 485.280+/-0.109 χ^2/NDF:522257.9/12

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

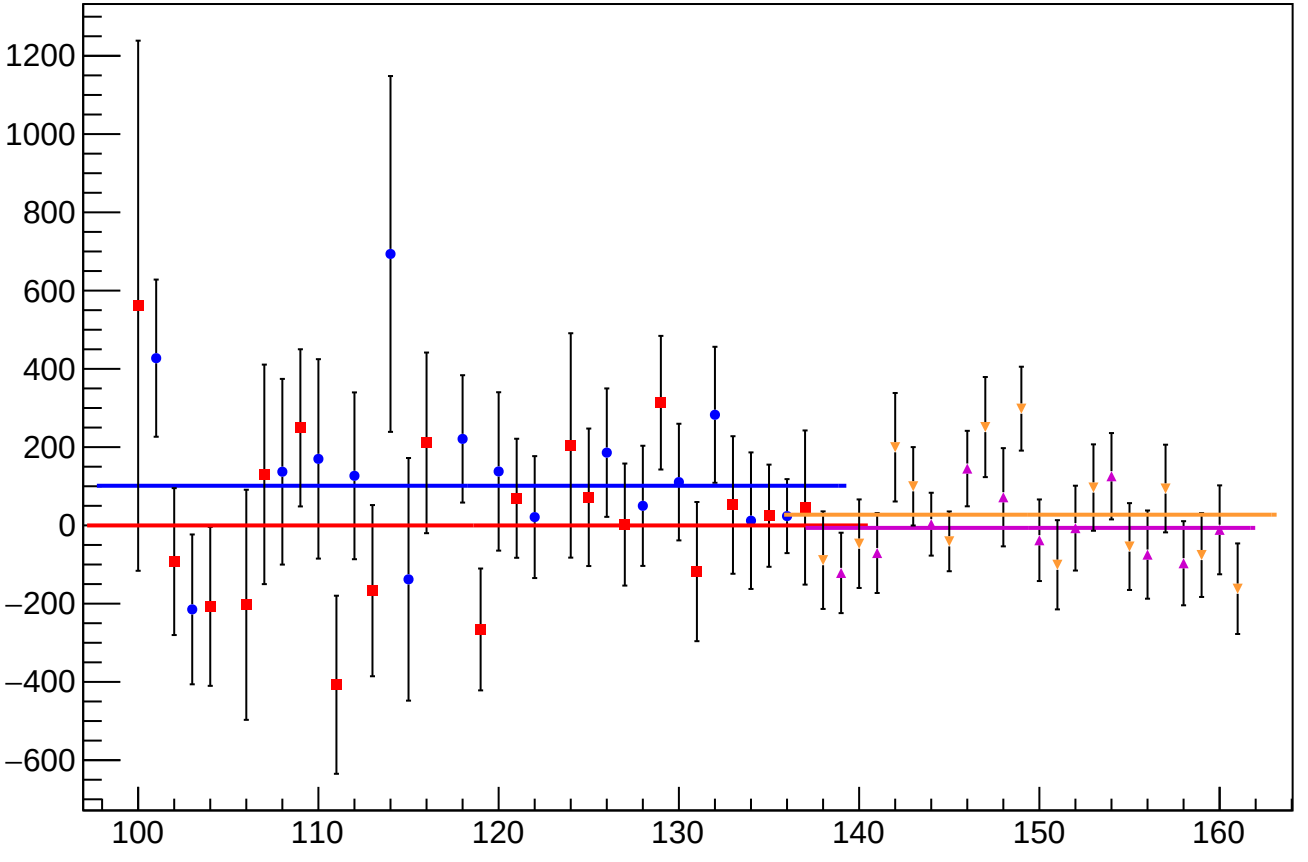
Left In: 482.179+/-0.112 χ^2/NDF:281992.6/10

+ sign 537.633+/-0.094 χ^2/NDF: 2381281.1/28

All: 538.784+/-0.067 χ^2/NDF: 4744014.5/58

- sign 539.991+/-0.097 χ^2/NDF: 2362427.8/29

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 27.309+/-30.217 χ^2/NDF:19.8/12

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

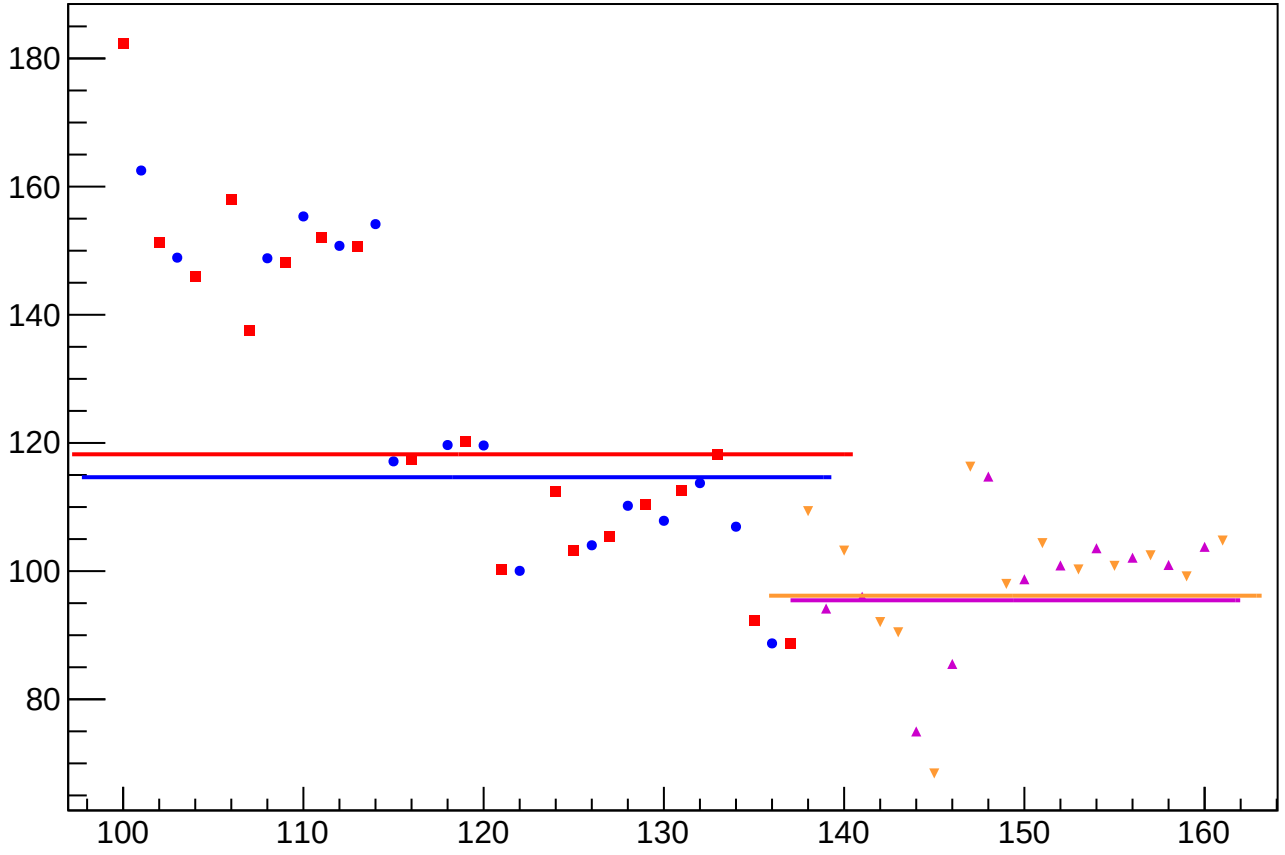
Left In: -6.405+/-31.335 χ^2/NDF:7.1/10

+ sign 51.378+/-24.819 χ^2/NDF: 32.7/28

All: 24.329+/-17.796 χ^2/NDF: 58.9/58

- sign -4.294+/-25.531 χ^2/NDF: 23.7/29

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 96.168+/-0.021 χ^2/NDF:387801.6/12

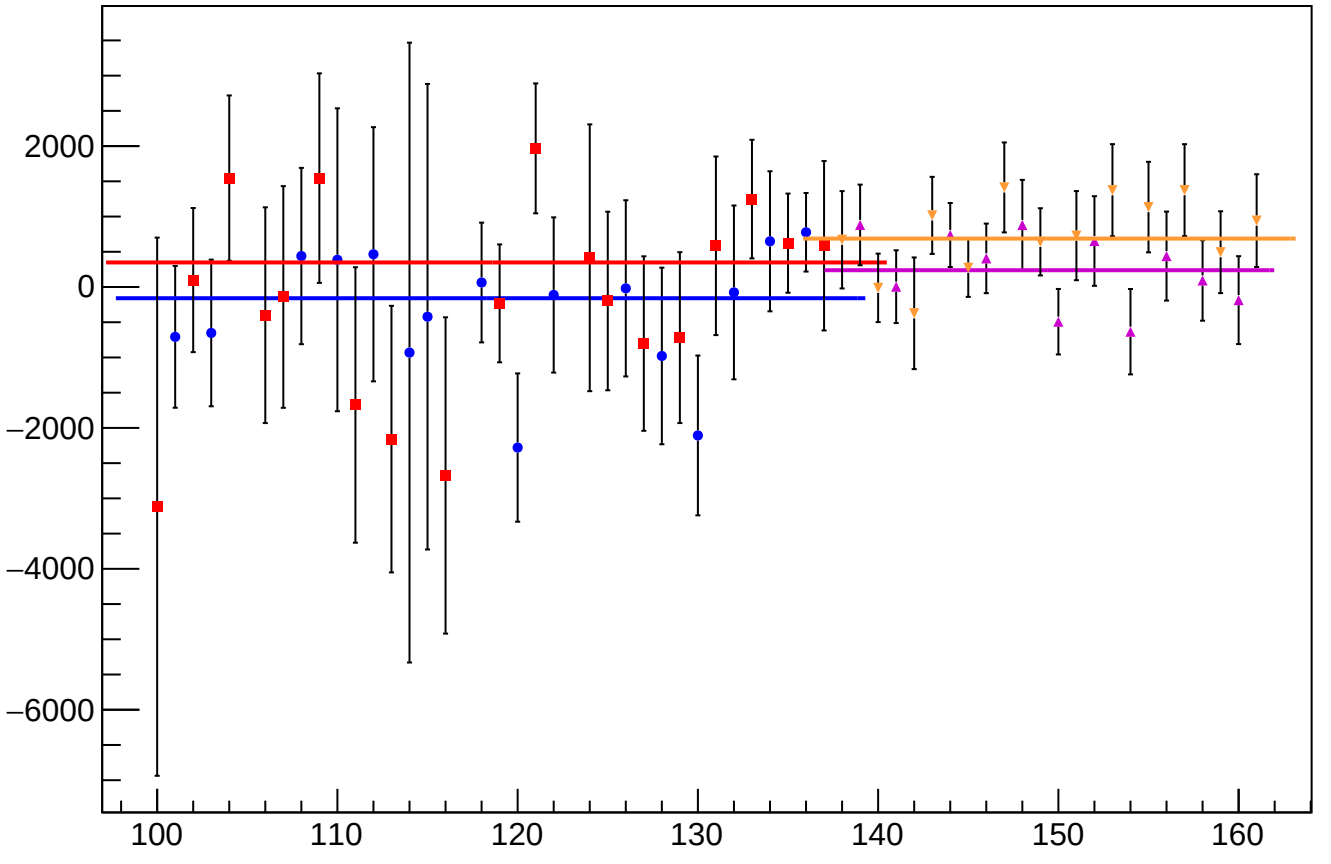
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 95.447+/-0.022 χ^2/NDF:239553.4/10

+ sign 102.183+/-0.018 χ^2/NDF: 1163365.6/28

All: 102.631+/-0.013 χ^2/NDF: 2243104.9/58

- sign 103.105+/-0.018 χ^2/NDF: 1078396.4/29



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 687.435+/-160.484 χ^2/NDF:9.5/12

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

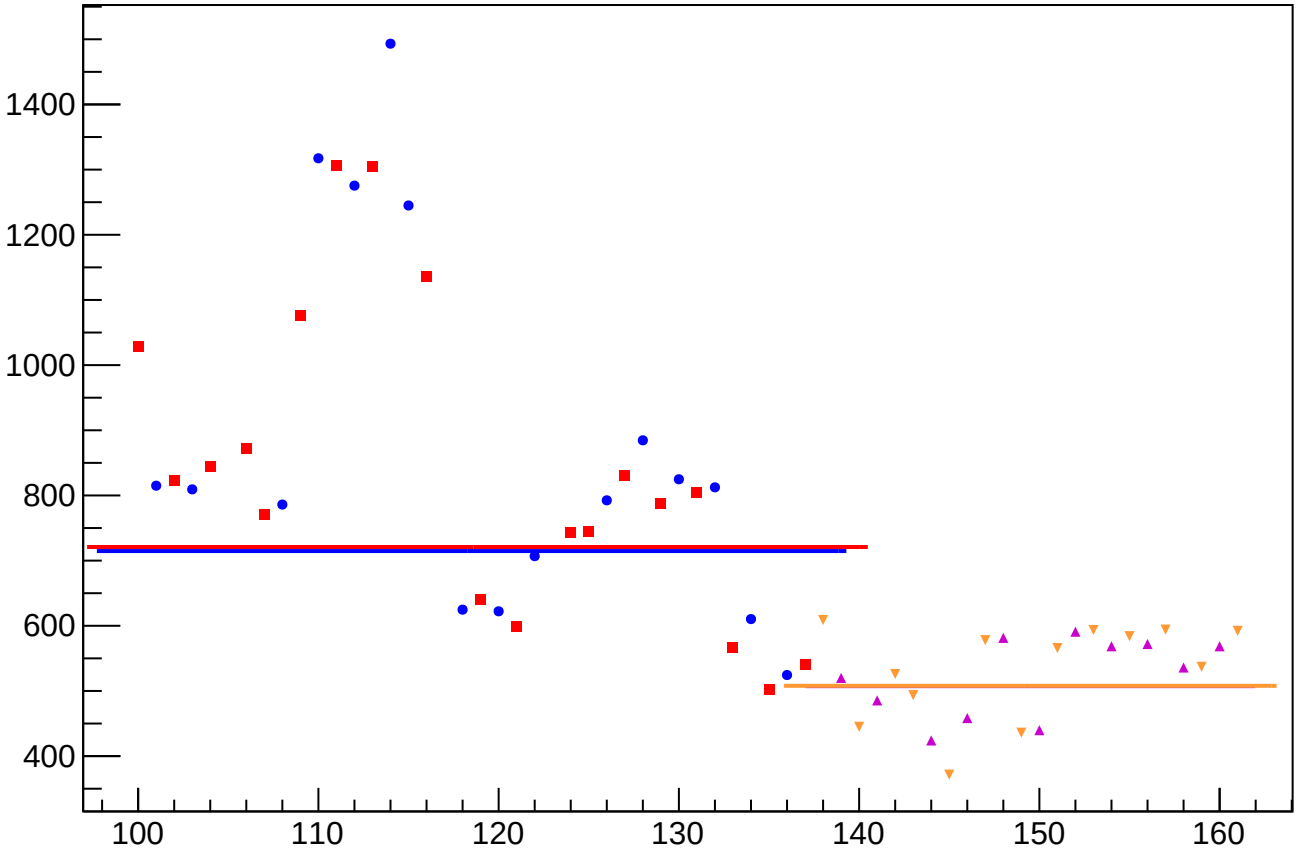
Left In: 238.276+/-166.310 χ^2/NDF:9.4/10

+ sign 471.858+/-138.551 χ^2/NDF: 28.5/28

All: 372.528+/-99.206 χ^2/NDF: 53.4/58

- sign 268.023+/-142.114 χ^2/NDF: 23.8/29

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 507.890+/-0.113 χ^2/NDF:517016.9/12

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

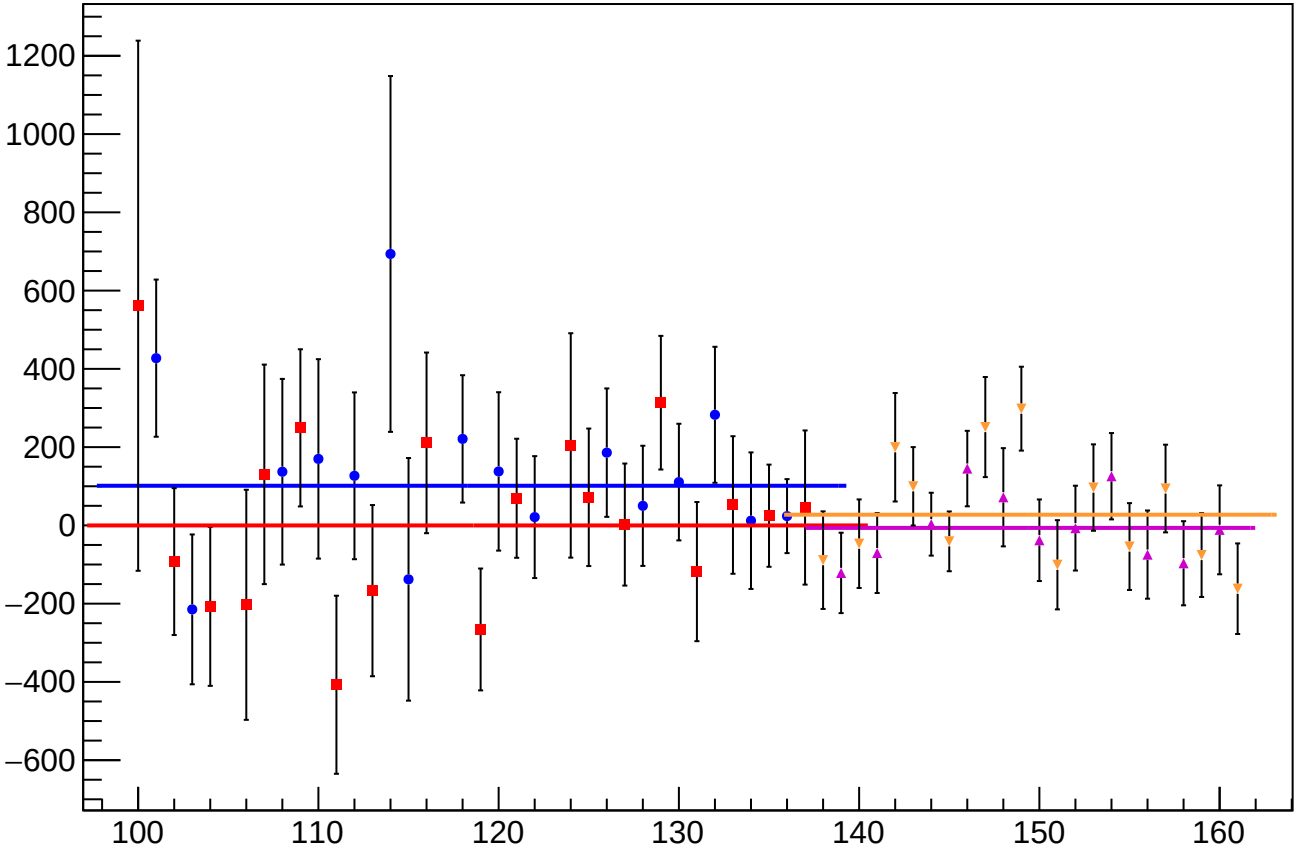
Left In: 507.378+/-0.118 χ^2/NDF:260691.7/10

+ sign 560.546+/-0.098 χ^2/NDF: 2238753.1/28

All: 562.709+/-0.070 χ^2/NDF: 4408226.0/58

- sign 564.984+/-0.100 χ^2/NDF: 2168472.9/29

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 27.308+/-30.217 χ^2/NDF:19.8/12

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

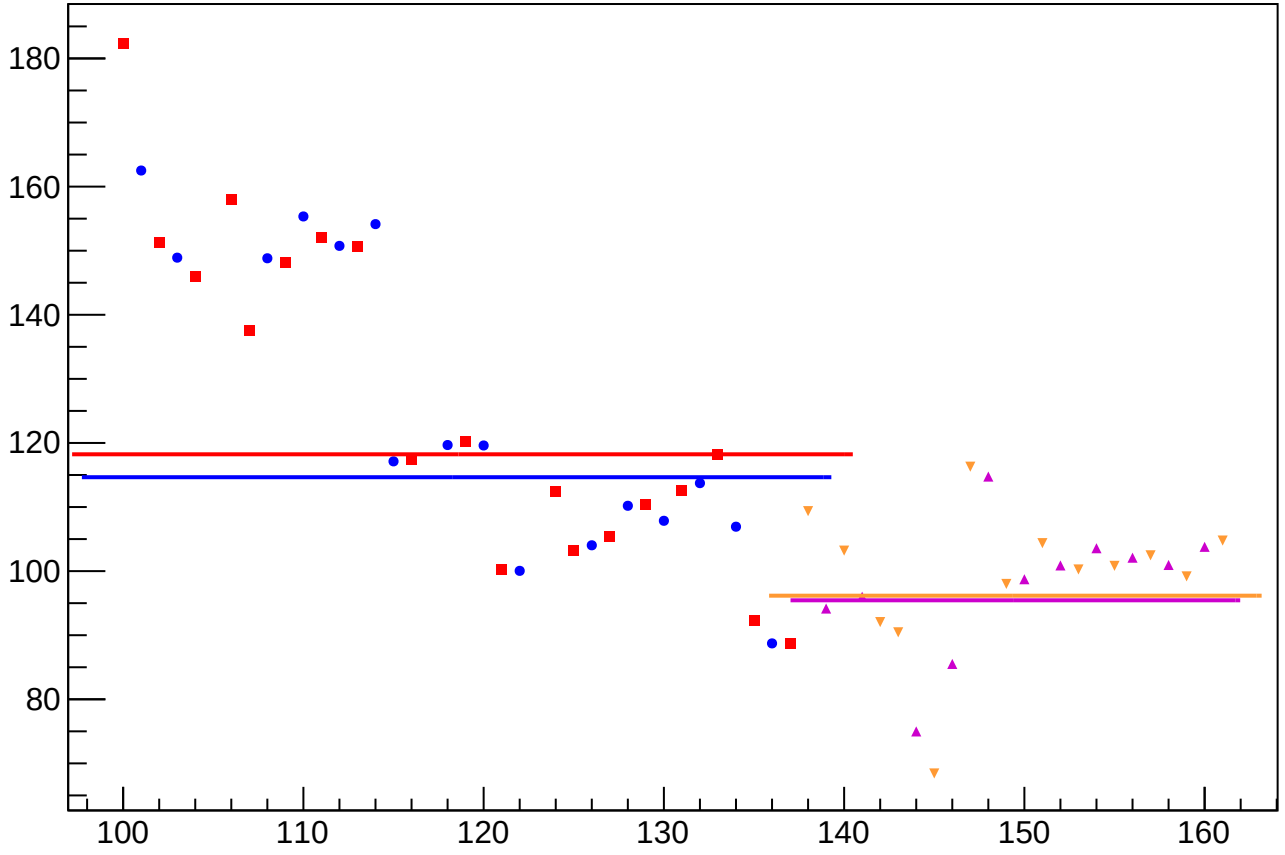
Left In: -6.404+/-31.335 χ^2/NDF:7.1/10

\+ sign 51.376+/-24.819 χ^2/NDF: 32.7/28

All: 24.329+/-17.796 χ^2/NDF: 58.9/58

\- sign -4.293+/-25.531 χ^2/NDF: 23.7/29

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 96.168+/-0.021 χ^2/NDF:387807.2/12

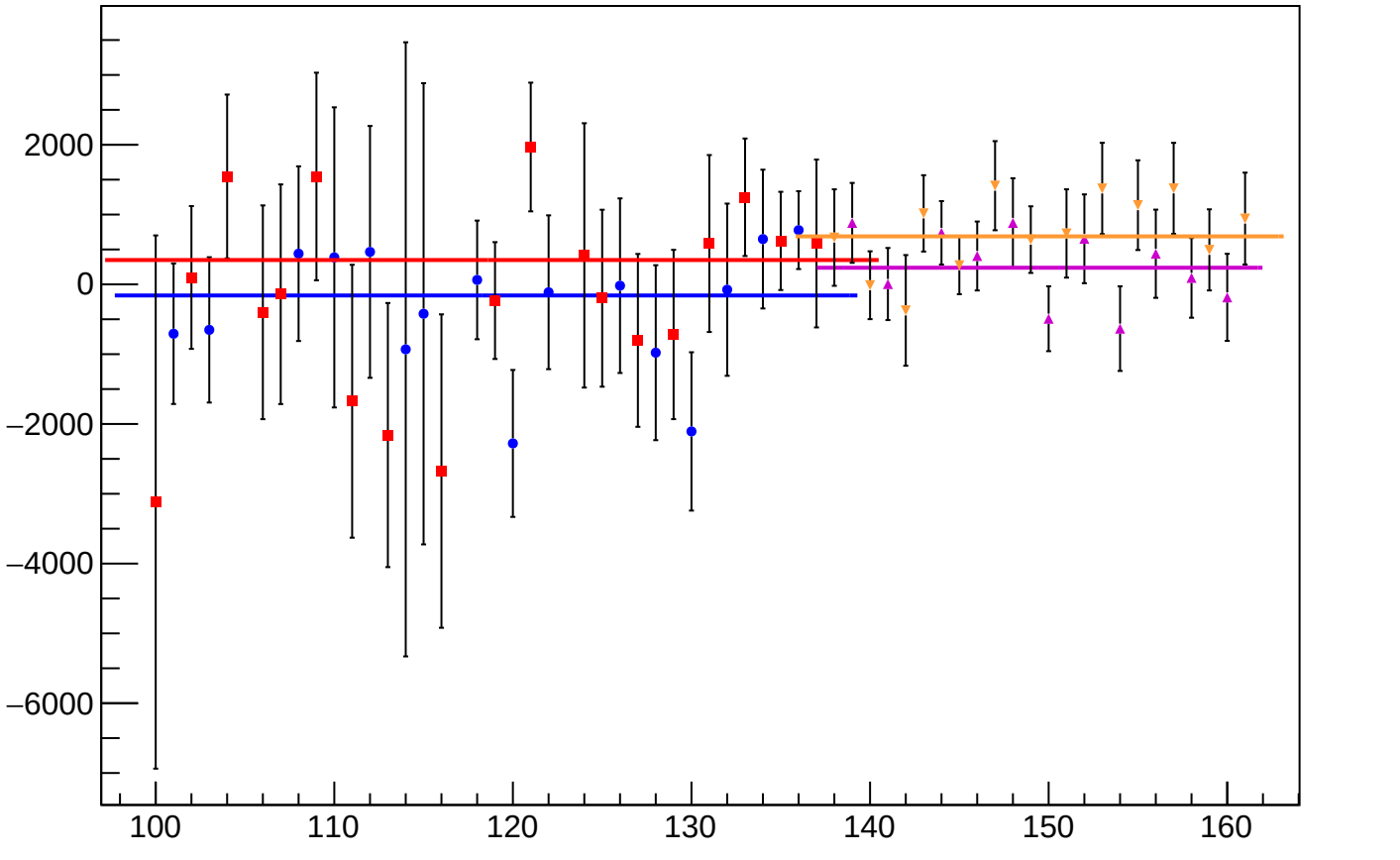
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 95.447+/-0.022 χ^2/NDF:239554.3/10

+ sign 102.183+/-0.018 χ^2/NDF: 1163361.1/28

All: 102.631+/-0.013 χ^2/NDF: 2243091.9/58

- sign 103.105+/-0.018 χ^2/NDF: 1078387.9/29



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 687.434+/-160.484 χ^2/NDF:9.5/12

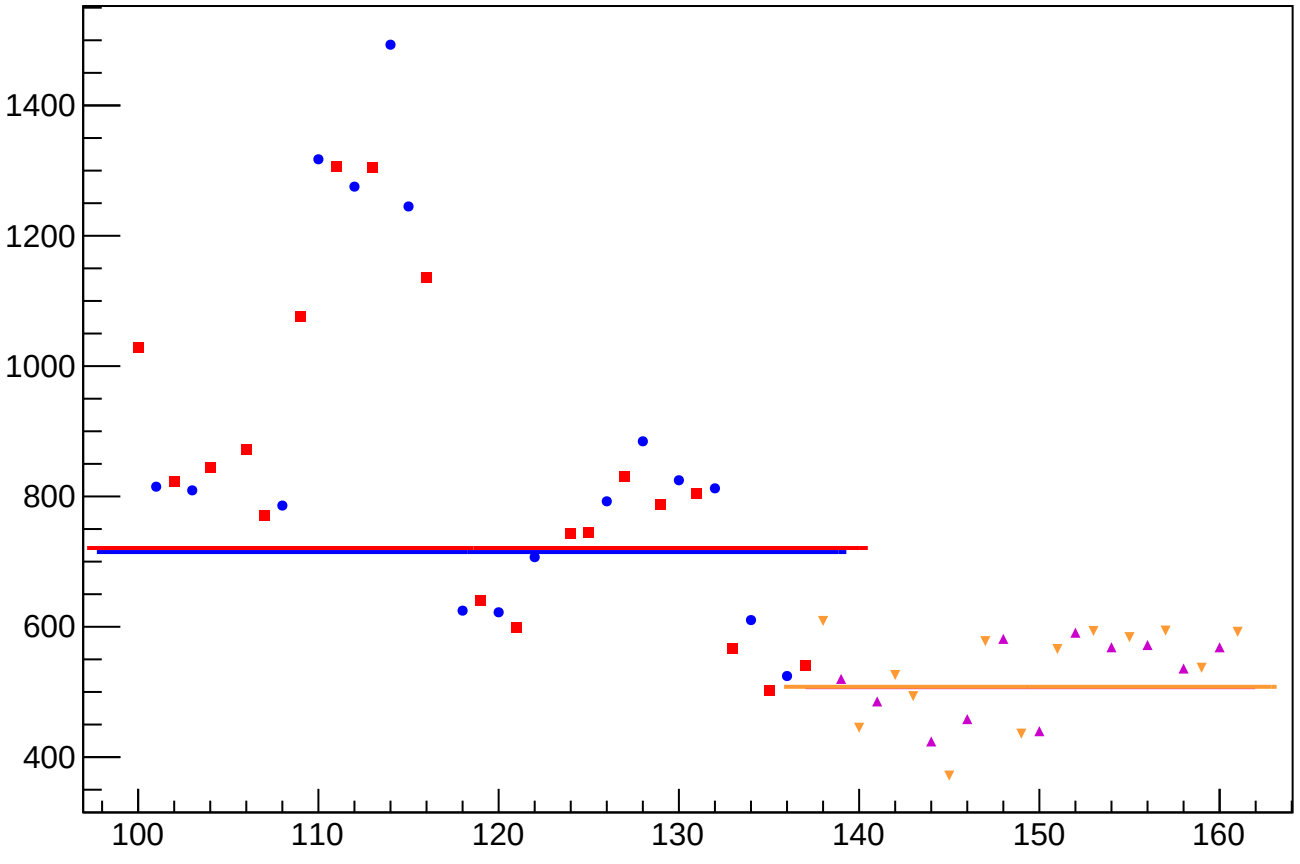
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 238.276+/-166.310 χ^2/NDF:9.4/10

+ sign 471.857+/-138.551 χ^2/NDF: 28.5/28

All: 372.527+/-99.206 χ^2/NDF: 53.4/58

- sign 268.024+/-142.114 χ^2/NDF: 23.8/29



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 507.890+/-0.113 χ^2/NDF:517018.4/12

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

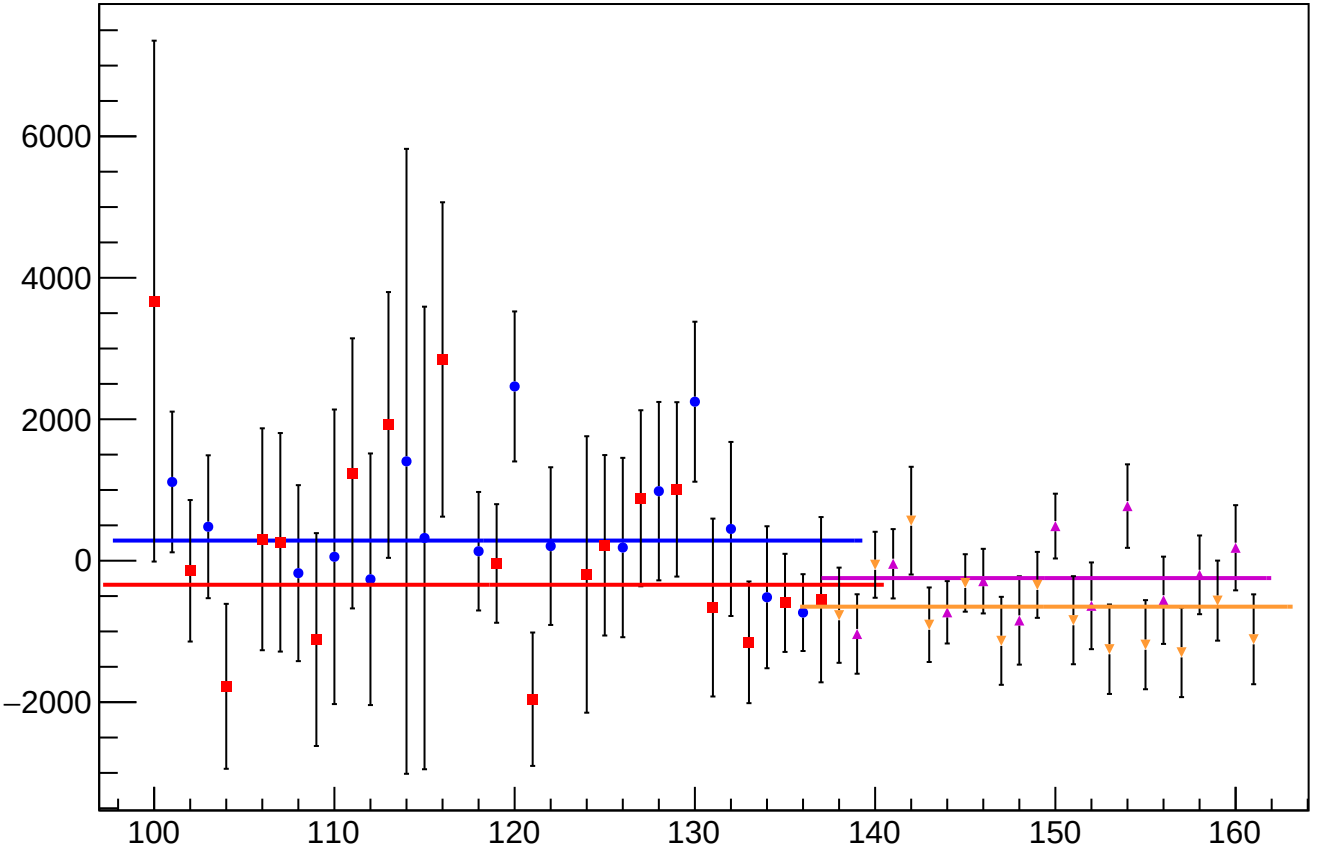
Left In: 507.379+/-0.118 χ^2/NDF:260689.8/10

+ sign 560.546+/-0.098 χ^2/NDF: 2238748.3/28

All: 562.709+/-0.070 χ^2/NDF: 4408208.8/58

- sign 564.985+/-0.100 χ^2/NDF: 2168460.5/29

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -649.889+/-156.037 χ^2/NDF:9.5/12

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

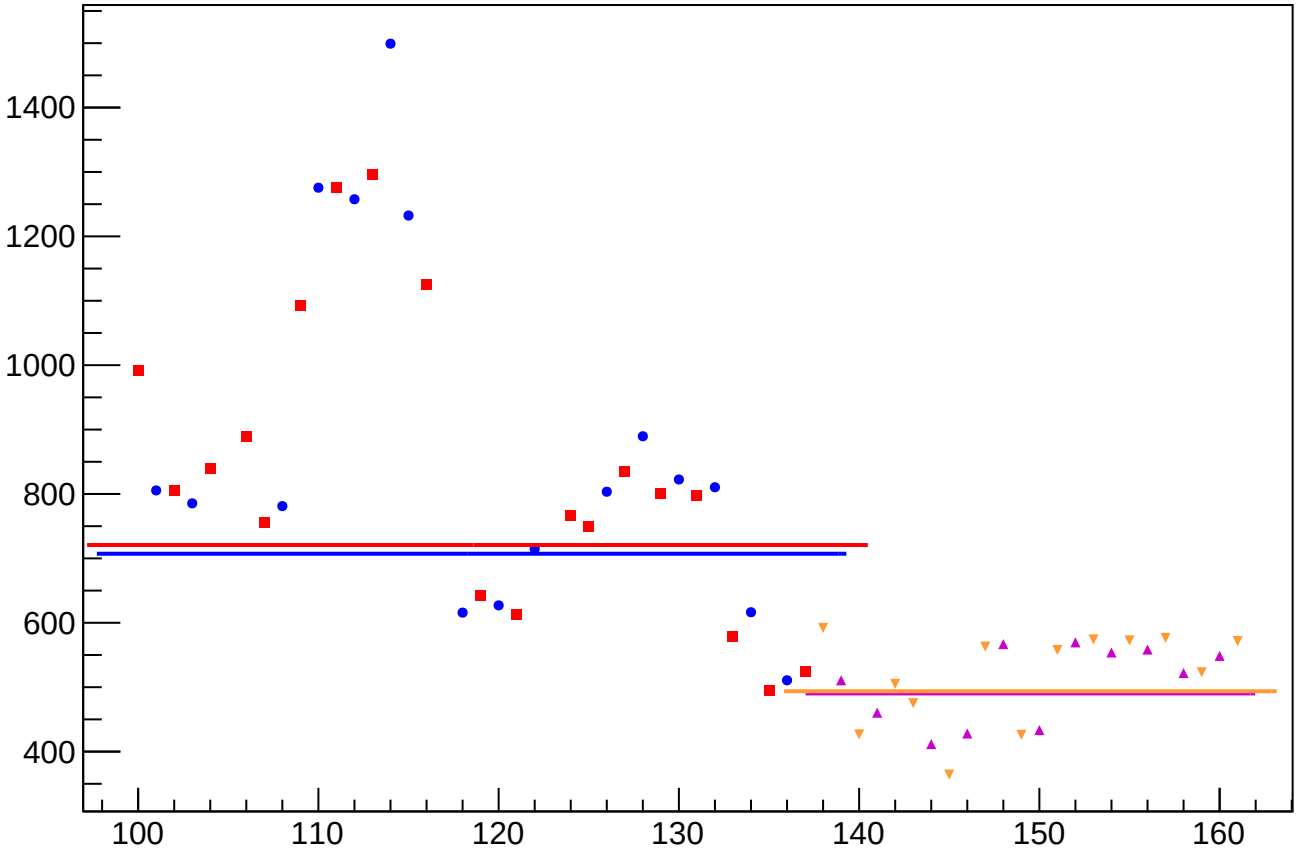
Left In: -245.729+/-160.667 χ^2/NDF:11.0/10

+ sign -418.388+/-135.340 χ^2/NDF: 31.1/28

All: -345.884+/-96.813 χ^2/NDF: 56.9/58

- sign -269.907+/-138.545 χ^2/NDF: 25.2/29

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 493.726+/-0.110 χ^2/NDF:511269.1/12

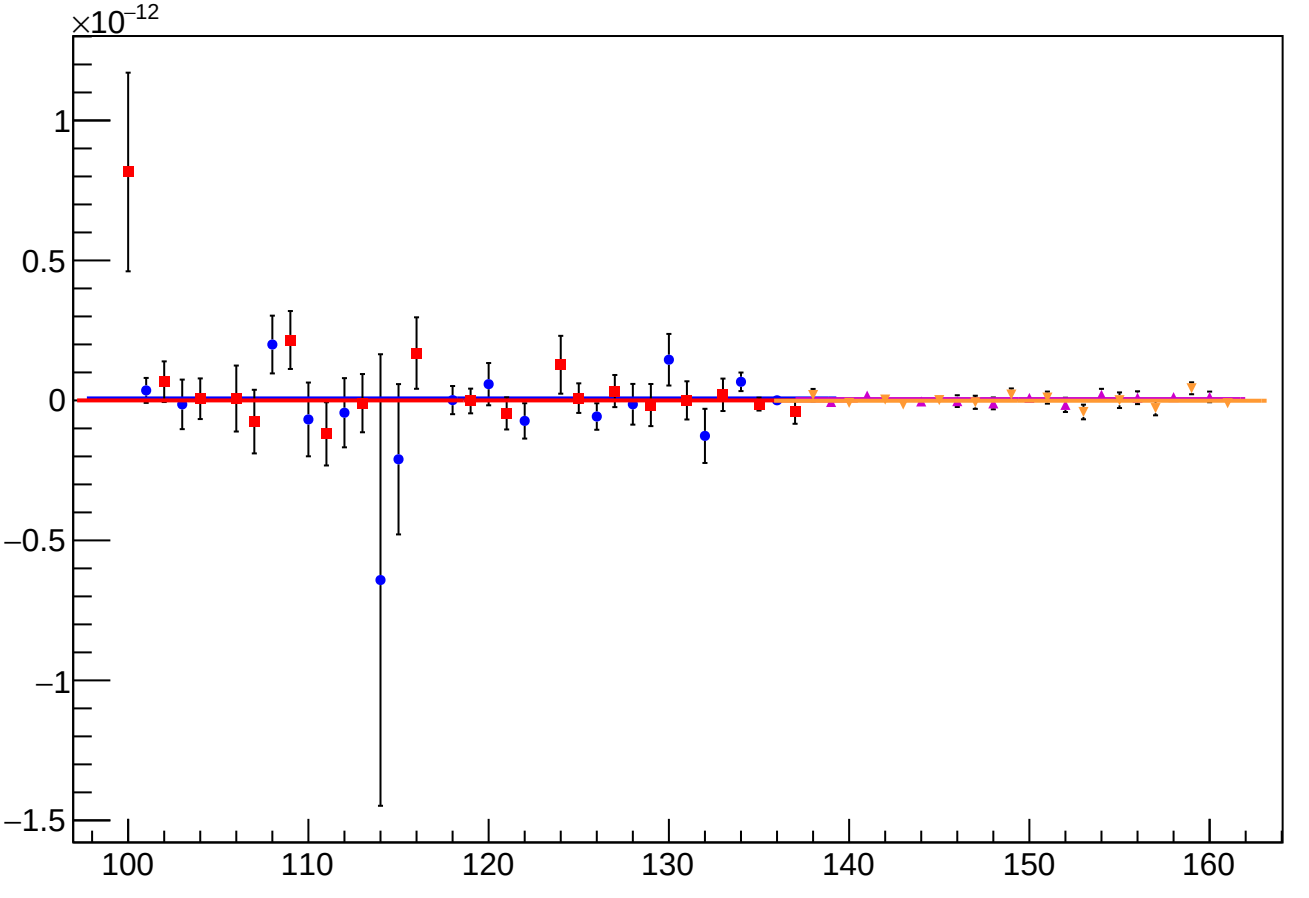
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 490.297+/-0.114 χ^2/NDF:277964.0/10

+ sign 546.602+/-0.096 χ^2/NDF: 2335213.3/28

All: 547.966+/-0.068 χ^2/NDF: 4684213.1/58

- sign 549.396+/-0.098 χ^2/NDF: 2348583.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/12

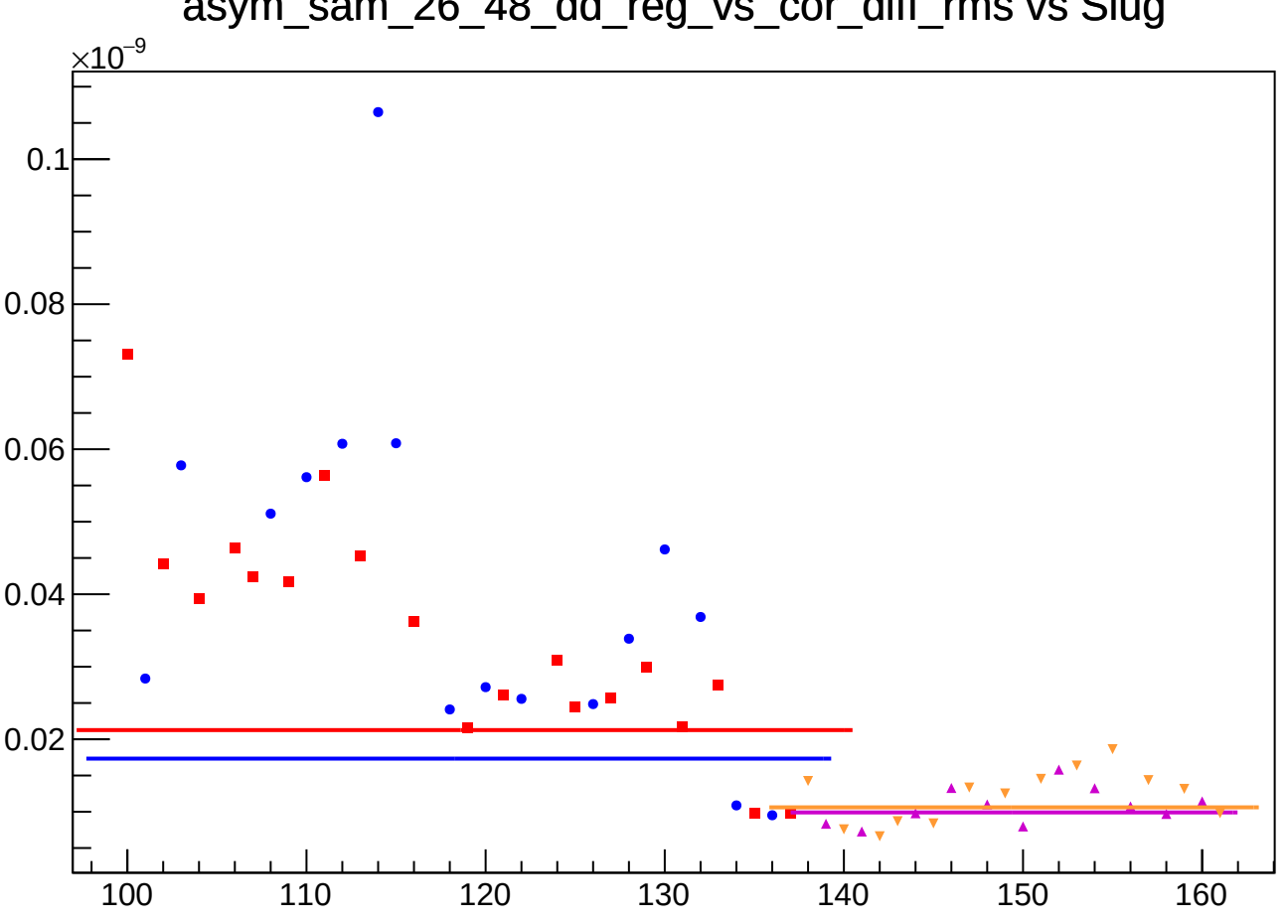
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/28

All: 0.000+/-0.000 χ^2/NDF: 51.3/58

- sign 0.000+/-0.000 χ^2/NDF: 21.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:804425.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

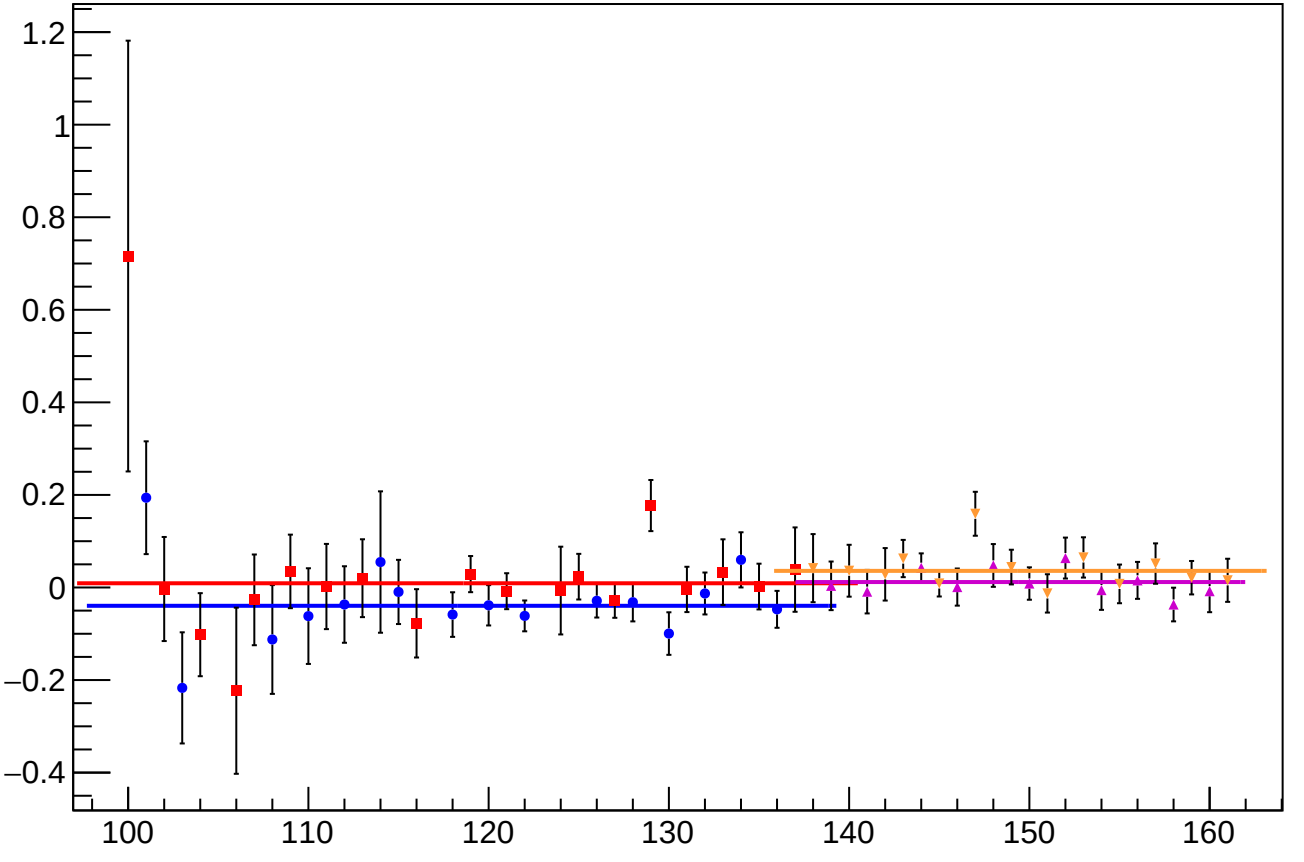
Left In: 0.000+/-0.000 χ^2/NDF:362436.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 3742739.8/28

All: 0.000+/-0.000 χ^2/NDF: 7028000.0/58

- sign 0.000+/-0.000 χ^2/NDF: 3280360.3/29

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: 0.036+/-0.012 χ^2/NDF:11.0/12

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

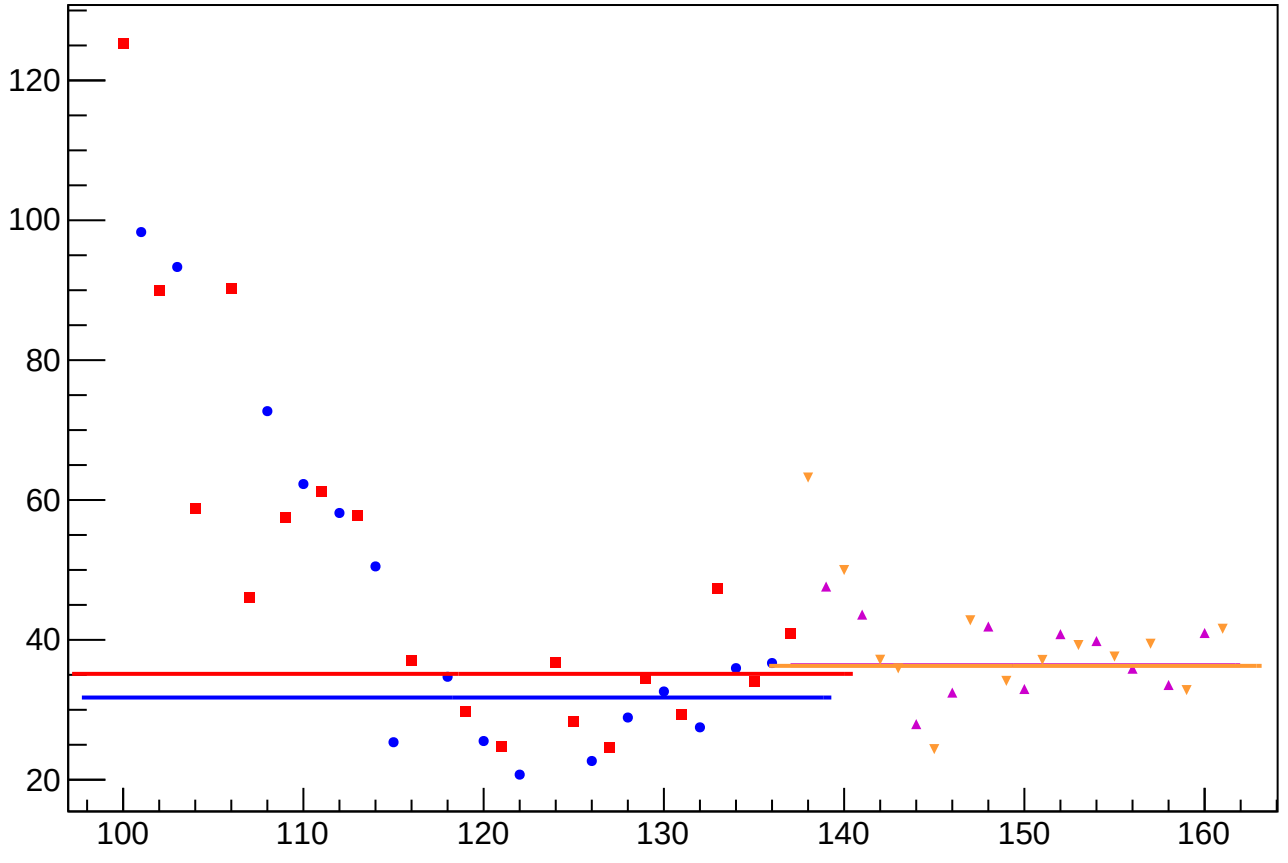
Left In: 0.012+/-0.012 χ^2/NDF:5.4/10

+ sign 0.003+/-0.009 χ^2/NDF: 41.7/28

All: 0.006+/-0.006 χ^2/NDF: 65.9/58

- sign 0.011+/-0.009 χ^2/NDF: 23.7/29

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: 36.284+/-0.008 χ^2/NDF:857089.6/12

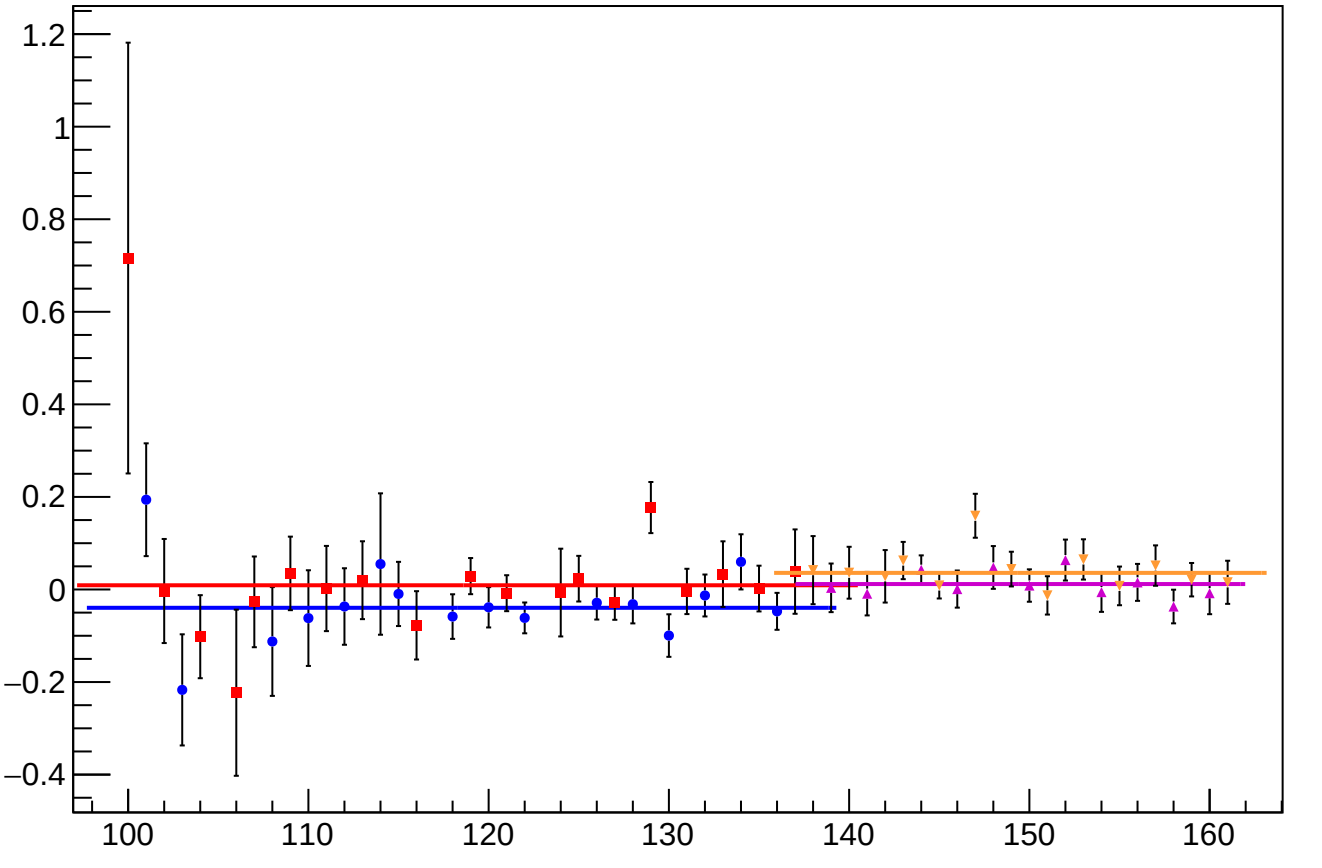
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.372+/-0.009 χ^2/NDF:419032.4/10

+ sign 34.282+/-0.006 χ^2/NDF: 3241594.9/28

All: 35.020+/-0.004 χ^2/NDF: 5544096.6/58

- sign 35.846+/-0.007 χ^2/NDF: 2272379.7/29



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.036+/-0.012 χ^2/NDF:11.0/12

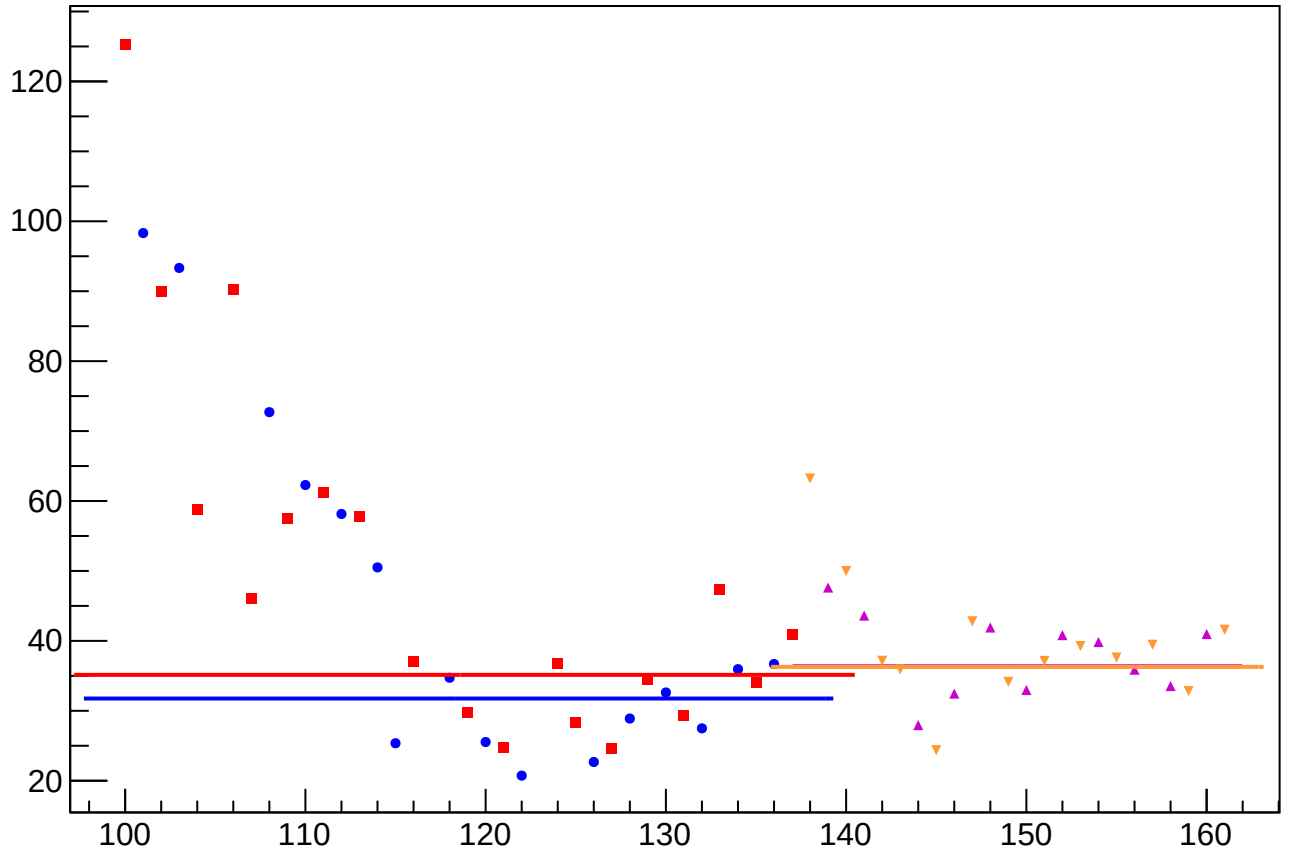
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.012+/-0.012 χ^2/NDF:5.4/10

+ sign 0.003+/-0.009 χ^2/NDF: 41.7/28

All: 0.006+/-0.006 χ^2/NDF: 65.9/58

- sign 0.011+/-0.009 χ^2/NDF: 23.7/29



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.284+/-0.008 χ^2/NDF:857089.6/12

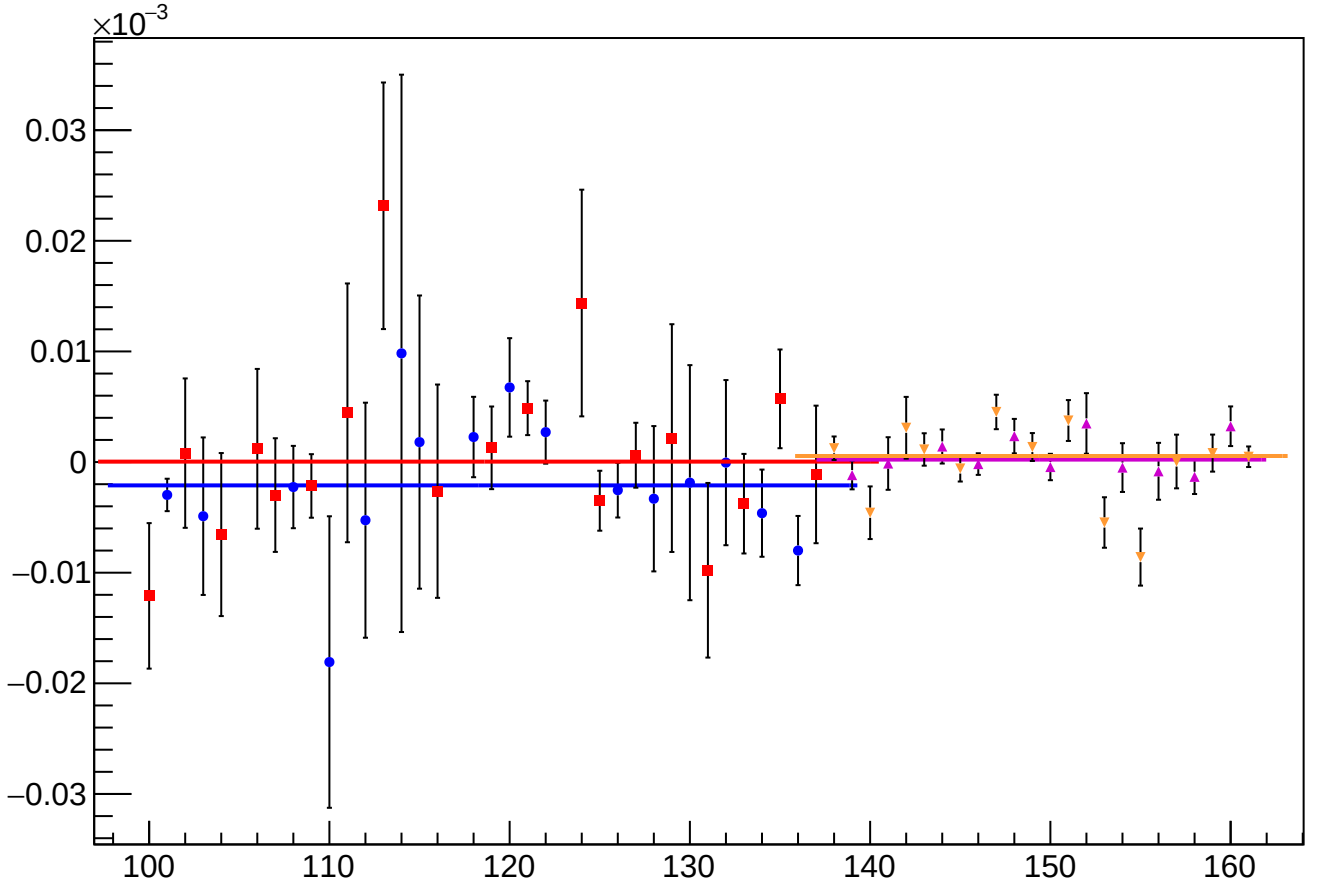
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.372+/-0.009 χ^2/NDF:419032.4/10

+ sign 34.282+/-0.006 χ^2/NDF: 3241594.9/28

All: 35.020+/-0.004 χ^2/NDF: 5544096.6/58

- sign 35.846+/-0.007 χ^2/NDF: 2272379.7/29



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.5/12

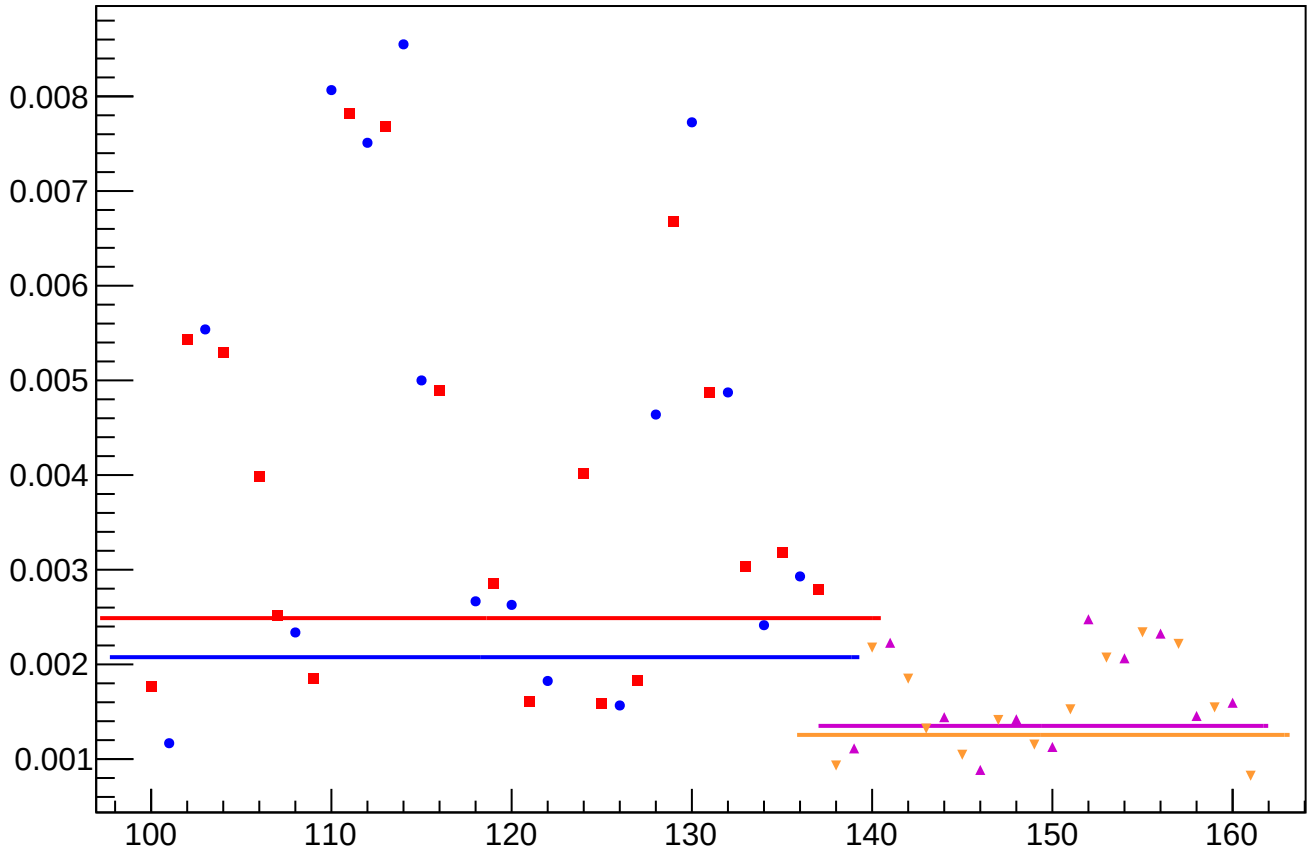
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 58.3/28

All: 0.000+/-0.000 χ^2/NDF: 89.4/58

- sign 0.000+/-0.000 χ^2/NDF: 31.1/29



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2133597.1/12

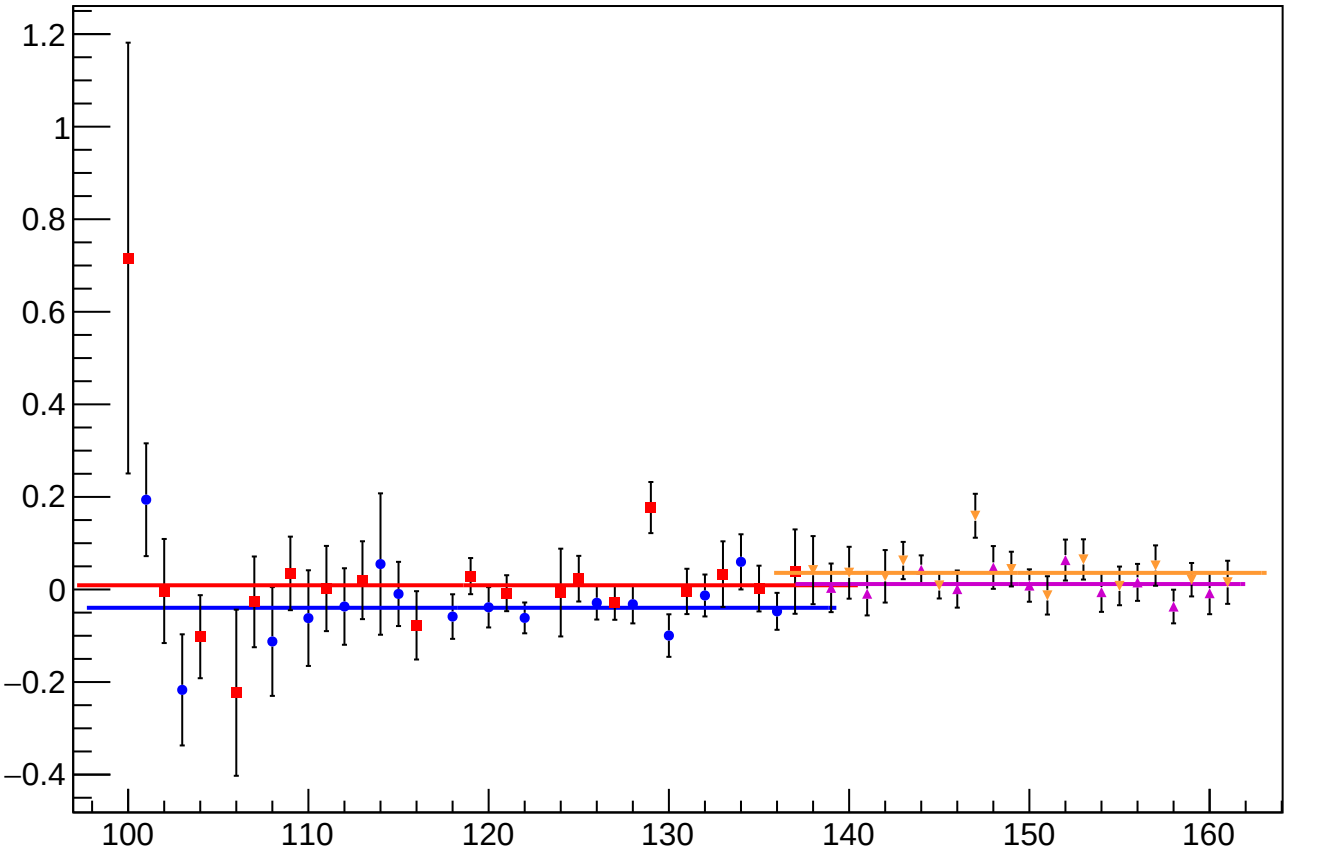
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1757588.6/10

+ sign 0.001+/-0.000 χ^2/NDF: 7396562.6/28

All: 0.001+/-0.000 χ^2/NDF: 14358040.7/58

- sign 0.002+/-0.000 χ^2/NDF: 6836164.5/29



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.036+/-0.012 χ^2/NDF:11.0/12

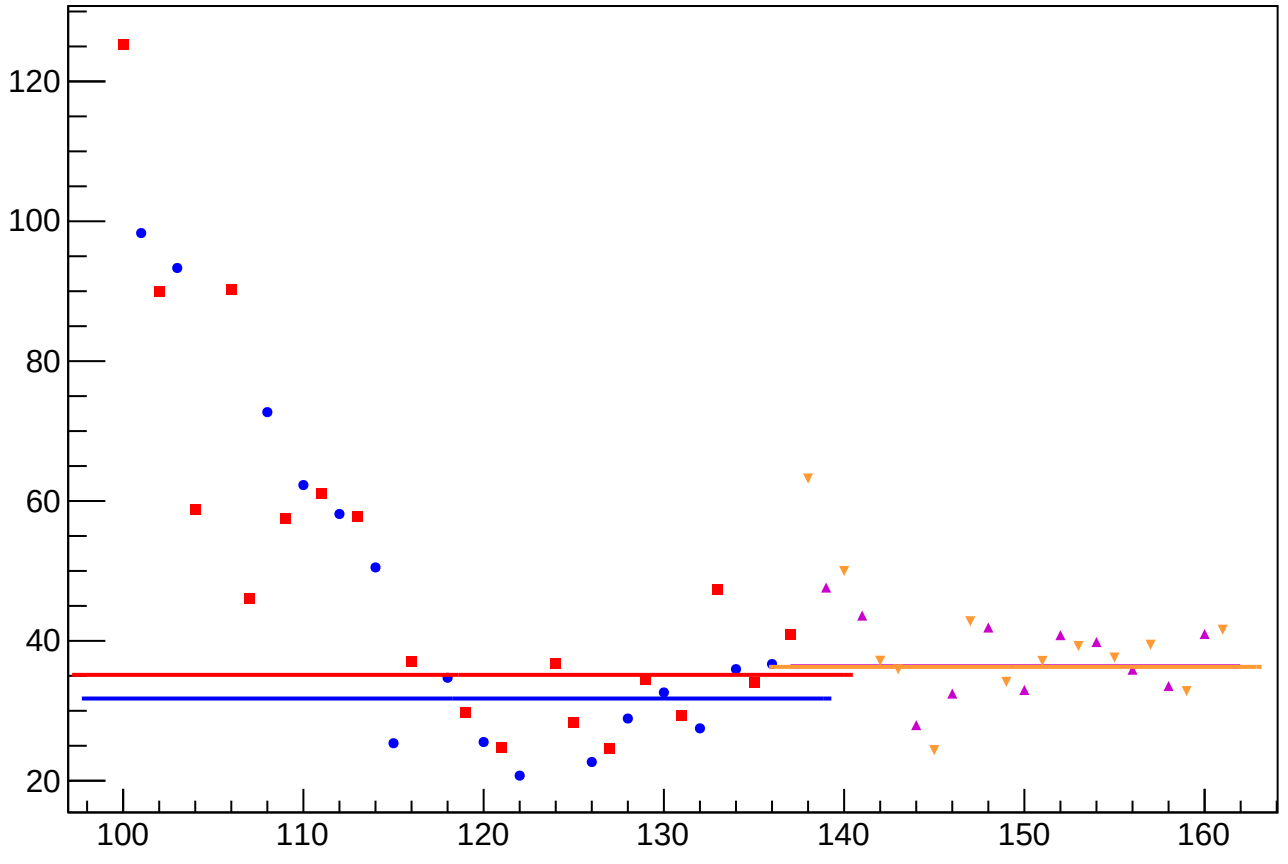
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.012+/-0.012 χ^2/NDF:5.4/10

+ sign 0.003+/-0.009 χ^2/NDF: 41.7/28

All: 0.006+/-0.006 χ^2/NDF: 65.9/58

- sign 0.011+/-0.009 χ^2/NDF: 23.7/29



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.284+/-0.008 χ^2/NDF:857118.3/12

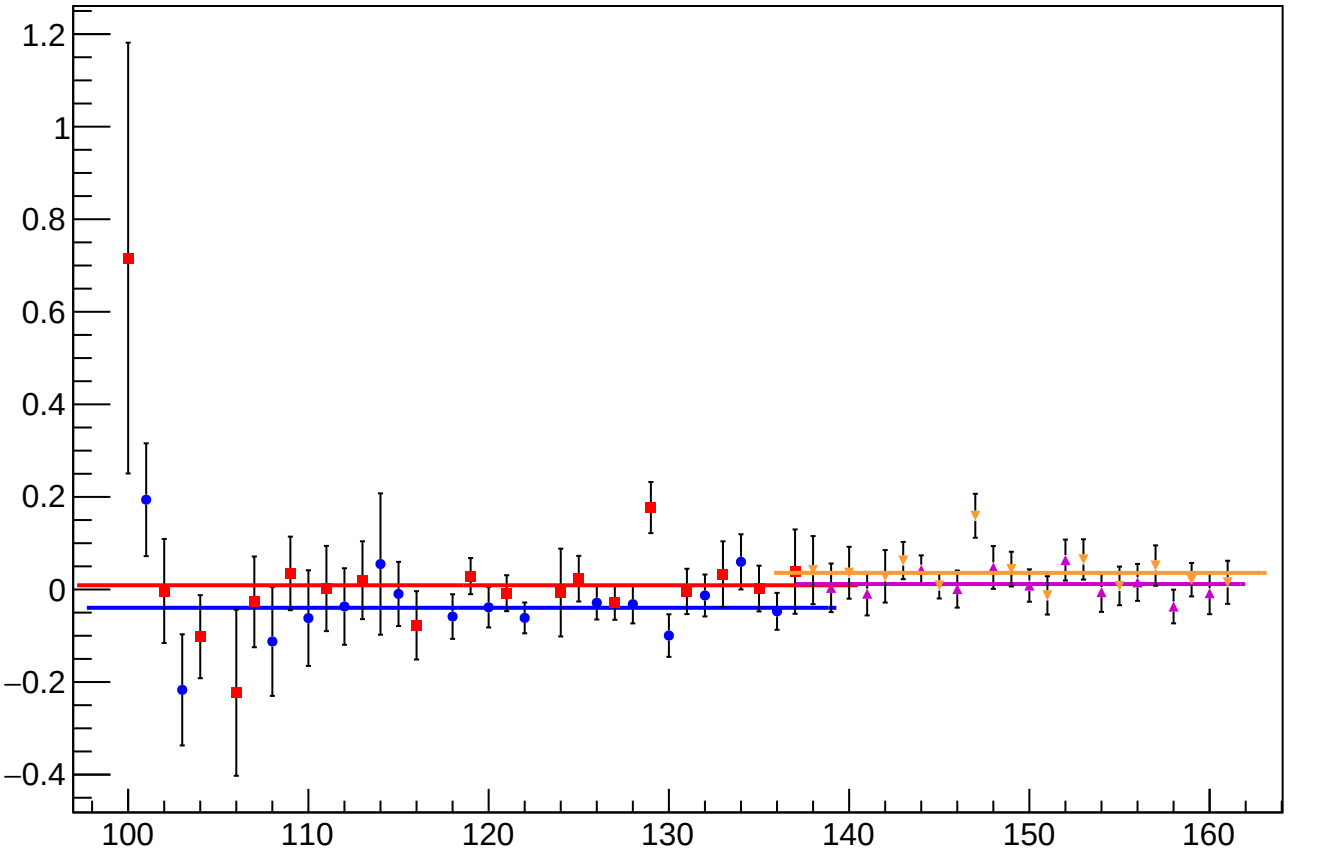
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.372+/-0.009 χ^2/NDF:419033.6/10

+ sign 34.282+/-0.006 χ^2/NDF: 3241580.8/28

All: 35.020+/-0.004 χ^2/NDF: 5543978.1/58

- sign 35.846+/-0.007 χ^2/NDF: 2272272.8/29



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.036+/-0.012 χ^2/NDF:11.0/12

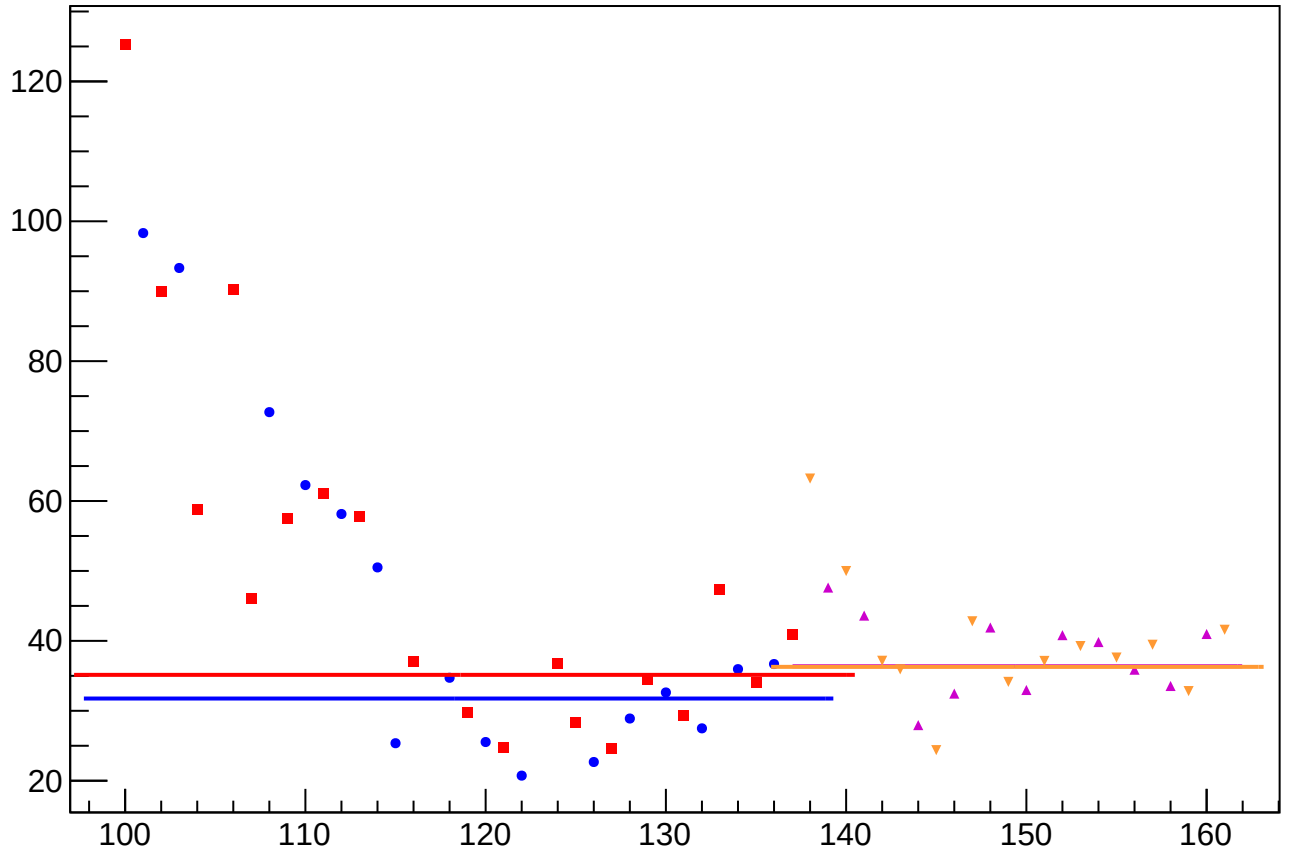
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.012+/-0.012 χ^2/NDF:5.4/10

+ sign 0.003+/-0.009 χ^2/NDF: 41.7/28

All: 0.006+/-0.006 χ^2/NDF: 65.9/58

- sign 0.011+/-0.009 χ^2/NDF: 23.7/29



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.284+/-0.008 χ^2/NDF:857118.3/12

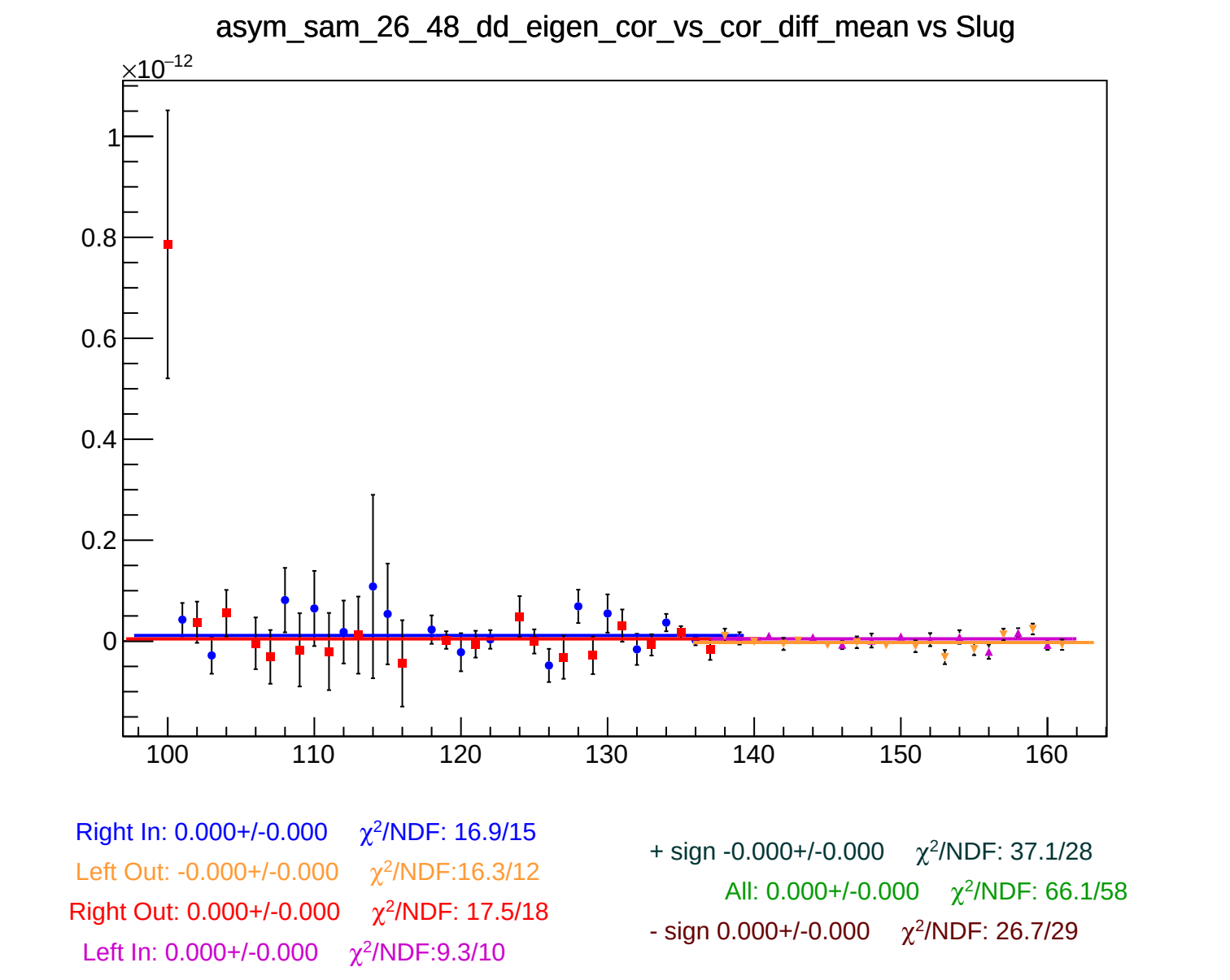
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

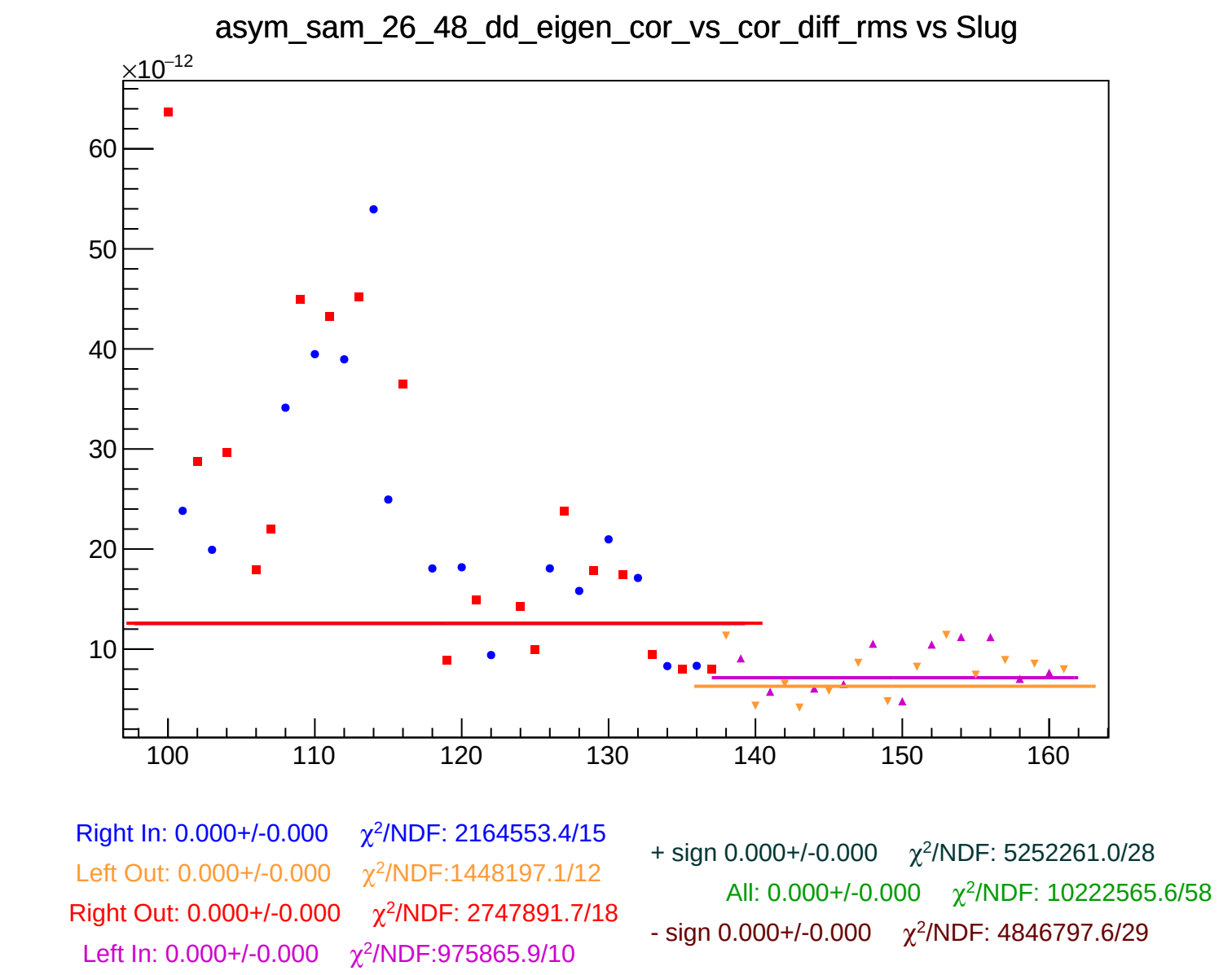
Left In: 36.372+/-0.009 χ^2/NDF:419033.6/10

+ sign 34.282+/-0.006 χ^2/NDF: 3241580.8/28

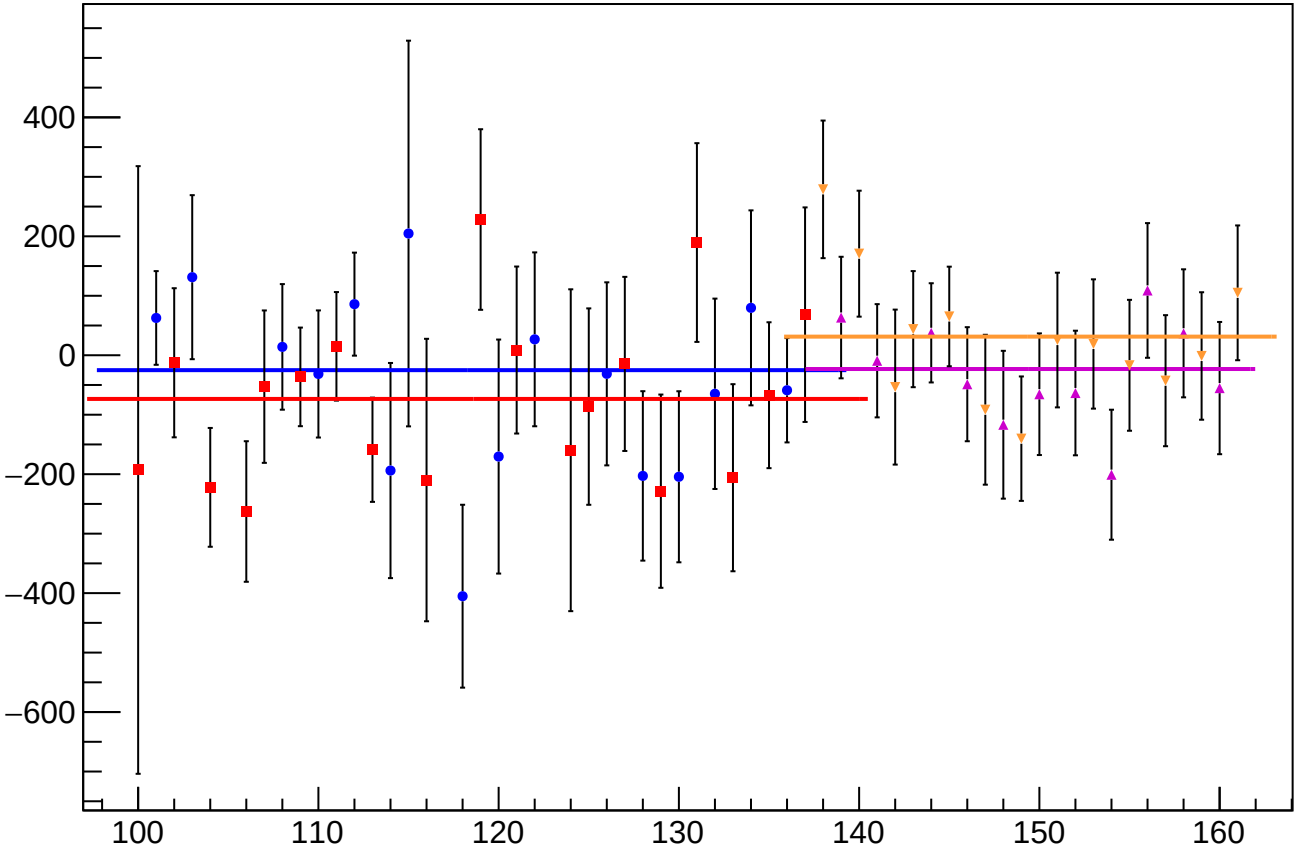
All: 35.020+/-0.004 χ^2/NDF: 5543978.1/58

- sign 35.846+/-0.007 χ^2/NDF: 2272272.8/29


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
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:16.3/12
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:9.3/10
+ sign -0.000+/-0.000 χ²/NDF: 37.1/28
All: 0.000+/-0.000 χ²/NDF: 66.1/58
- sign 0.000+/-0.000 χ²/NDF: 26.7/29


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1448197.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:975865.9/10
+ sign 0.000+/-0.000 χ²/NDF: 5252261.0/28
All: 0.000+/-0.000 χ²/NDF: 10222565.6/58
- sign 0.000+/-0.000 χ²/NDF: 4846797.6/29

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 31.311+/-29.920 χ^2/NDF:11.7/12

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

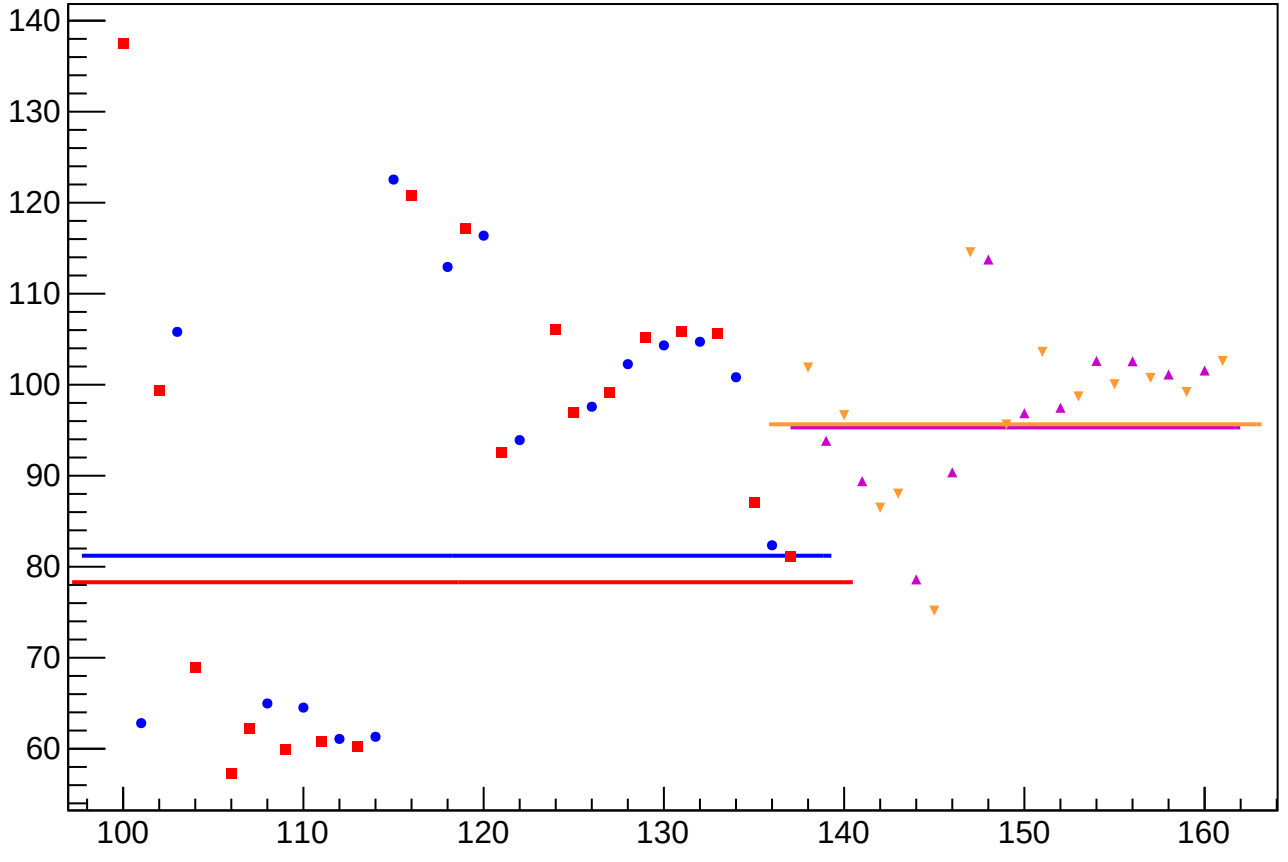
Left In: -23.146+/-31.026 χ^2/NDF:6.6/10

+ sign 4.327+/-21.605 χ^2/NDF: 29.6/28

All: -22.515+/-15.255 χ^2/NDF: 57.5/58

- sign -49.202+/-21.542 χ^2/NDF: 24.8/29

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 95.648+/-0.021 χ^2/NDF:221320.6/12

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

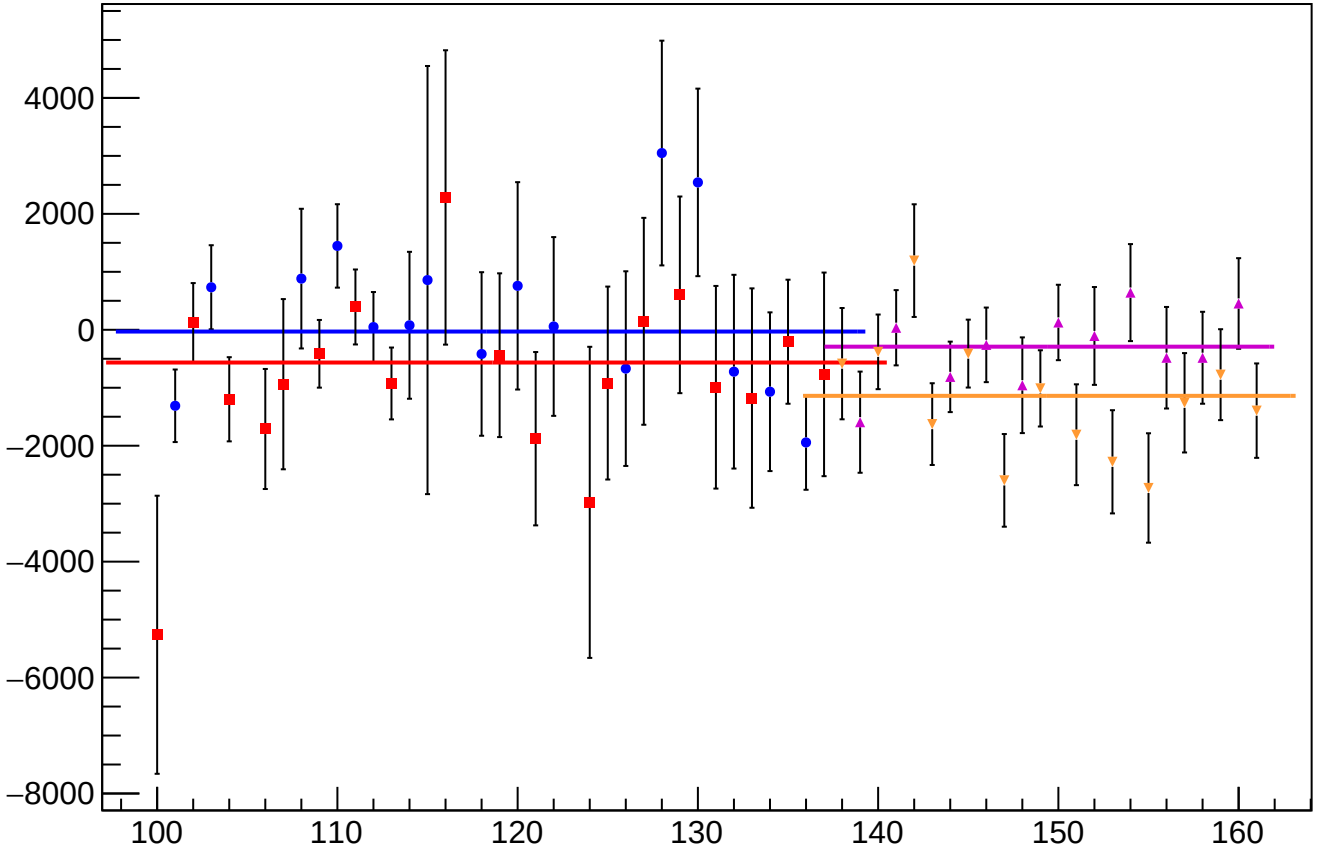
Left In: 95.308+/-0.022 χ^2/NDF:168247.0/10

+ sign 88.738+/-0.015 χ^2/NDF: 1231904.8/28

All: 87.615+/-0.011 χ^2/NDF: 2656930.9/58

- sign 86.498+/-0.015 χ^2/NDF: 1414248.9/29

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -1139.619+/-215.368 χ^2/NDF:18.3/12

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

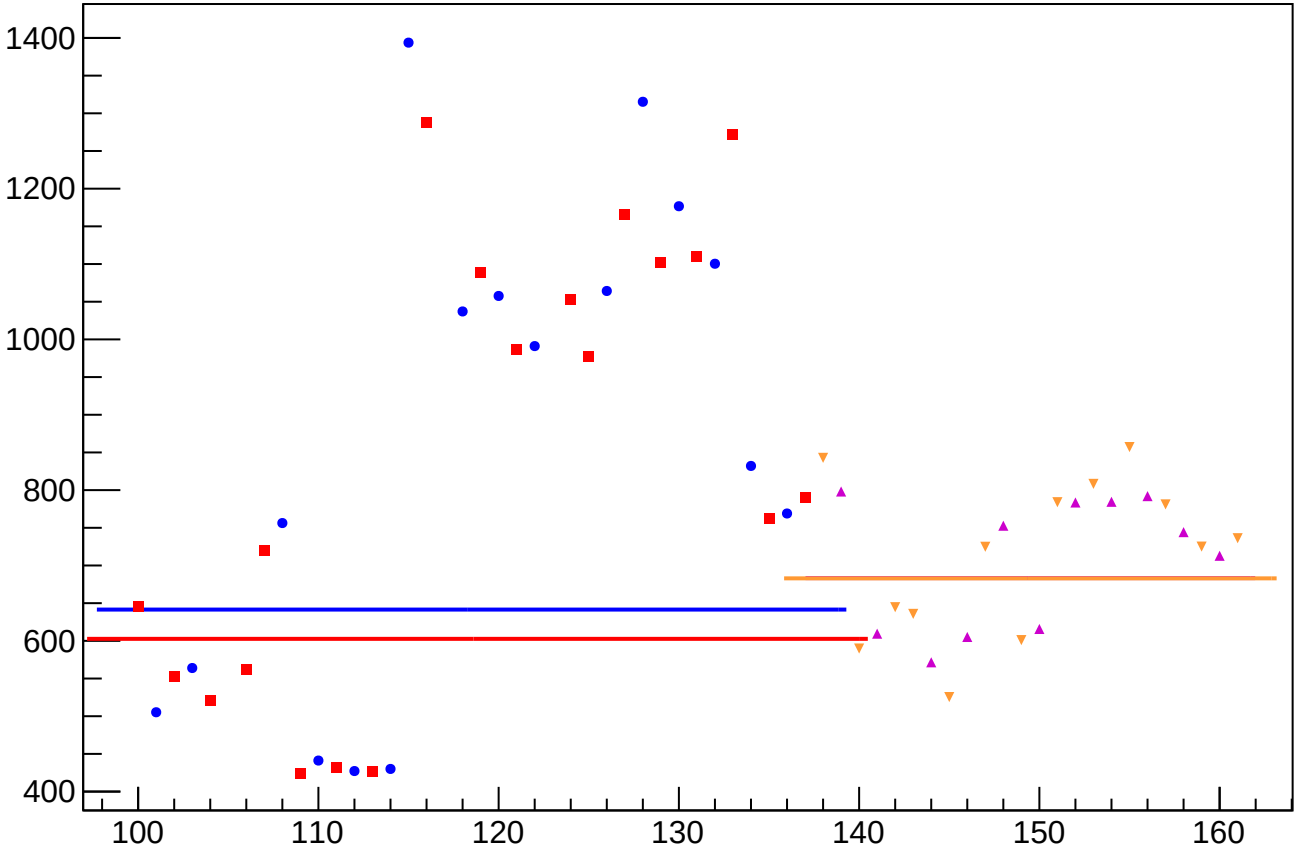
Left In: -291.357+/-223.605 χ^2/NDF:6.6/10

+ sign -682.018+/-165.070 χ^2/NDF: 51.1/28

All: -549.110+/-116.027 χ^2/NDF: 73.0/58

- sign -419.321+/-163.122 χ^2/NDF: 20.6/29

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 682.926+/-0.152 χ^2/NDF:465896.4/12

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

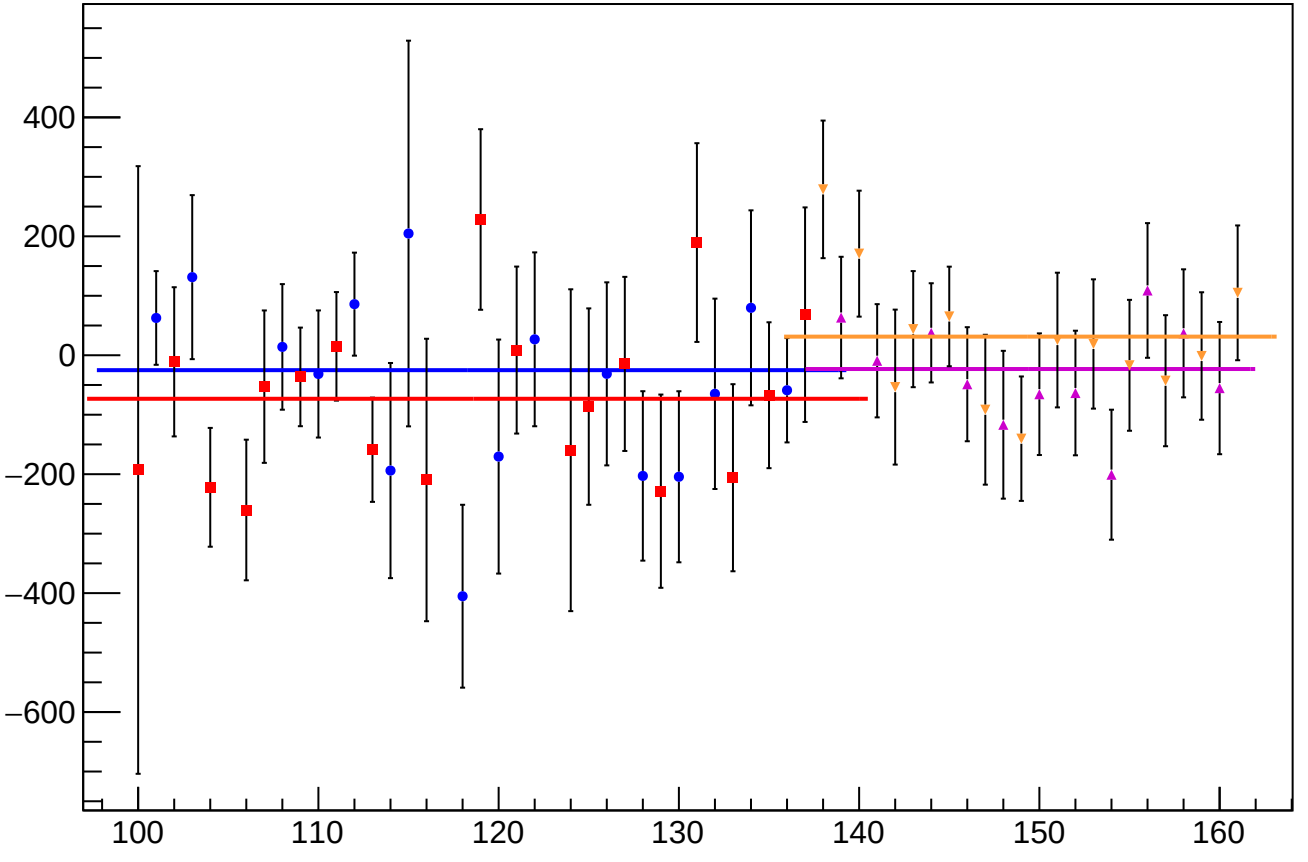
Left In: 683.271+/-0.158 χ^2/NDF:296294.7/10

+ sign 665.835+/-0.117 χ^2/NDF: 2371416.8/28

All: 655.576+/-0.082 χ^2/NDF: 4874909.8/58

- sign 645.557+/-0.115 χ^2/NDF: 2488222.4/29

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 31.311+/-29.920 χ^2/NDF:11.7/12

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

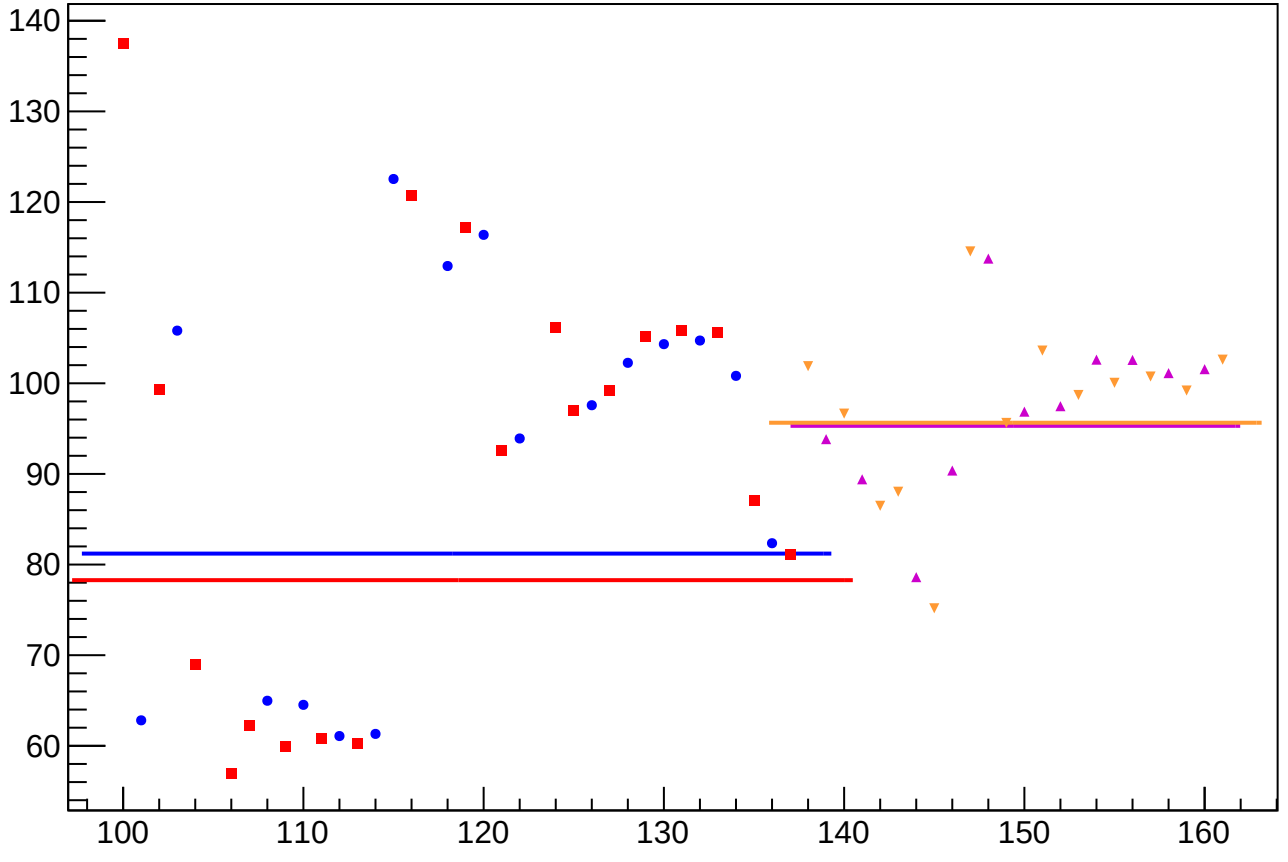
Left In: -23.149+/-31.026 χ^2/NDF:6.6/10

+ sign 4.326+/-21.605 χ^2/NDF: 29.6/28

All: -22.446+/-15.255 χ^2/NDF: 57.4/58

- sign -49.065+/-21.543 χ^2/NDF: 24.7/29

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 95.648+/-0.021 χ^2/NDF:221320.6/12

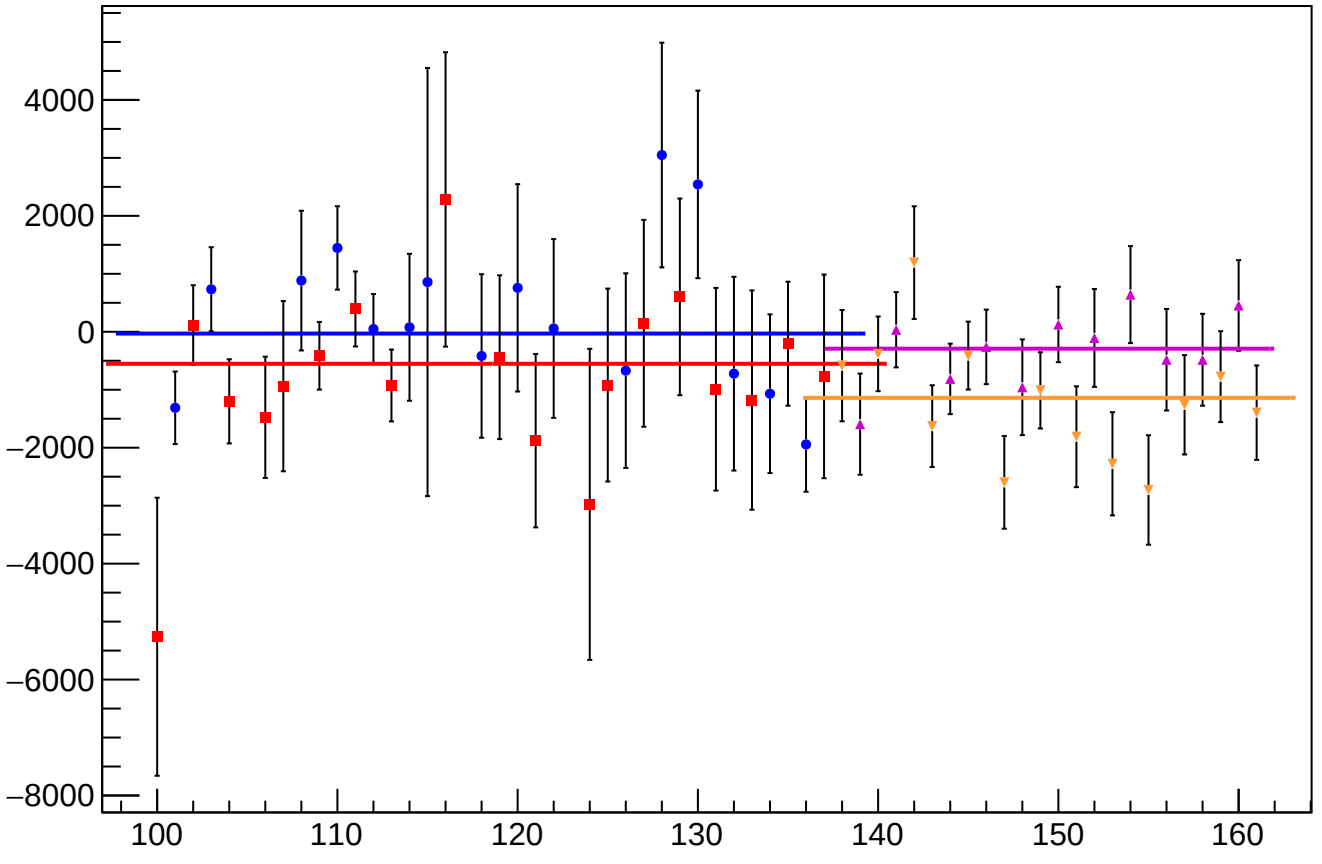
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 95.308+/-0.022 χ^2/NDF:168247.0/10

+ sign 88.738+/-0.015 χ^2/NDF: 1231906.5/28

All: 87.611+/-0.011 χ^2/NDF: 2659823.3/58

- sign 86.489+/-0.015 χ^2/NDF: 1417051.7/29



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1139.618+/-215.368 χ^2/NDF:18.3/12

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

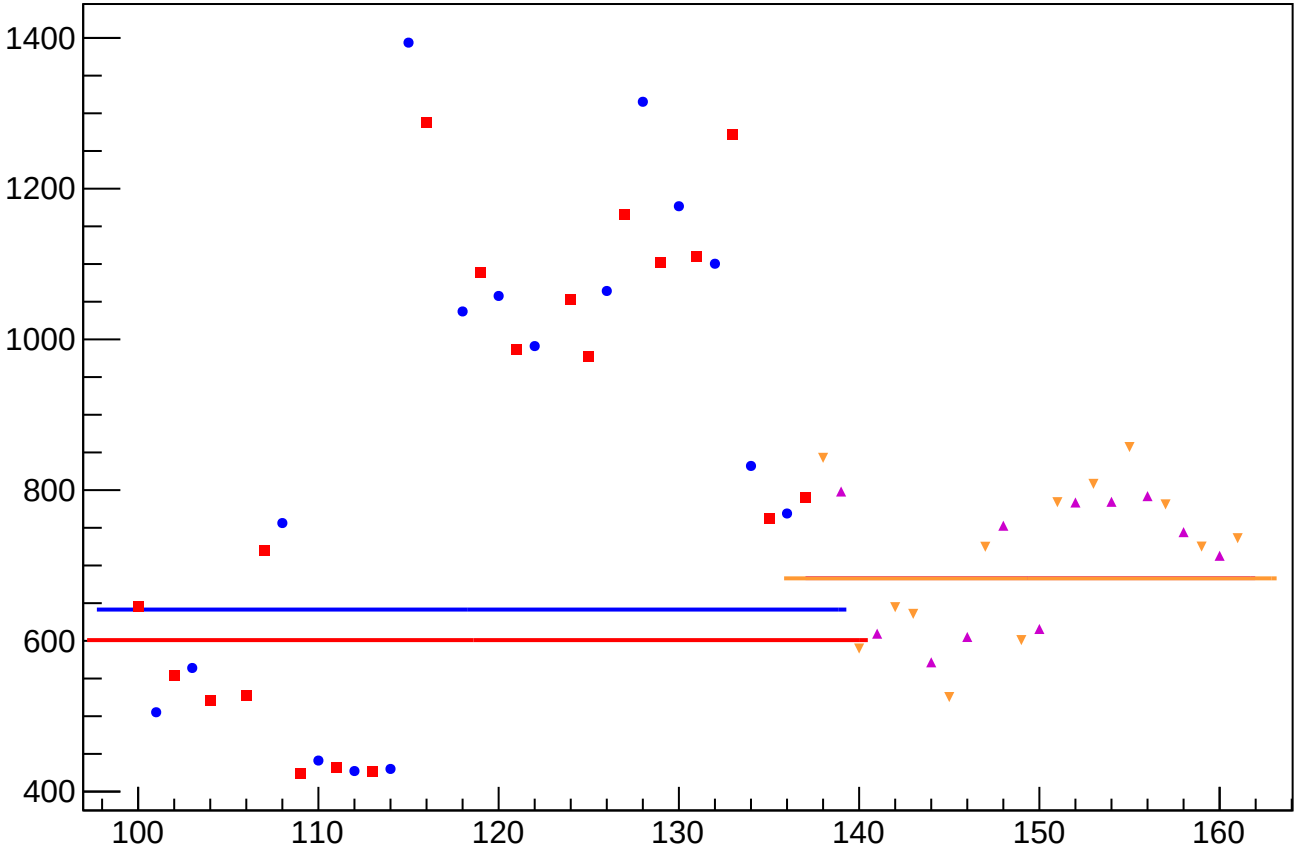
Left In: -291.364+/-223.605 χ^2/NDF:6.6/10

+ sign -682.035+/-165.071 χ^2/NDF: 51.1/28

All: -546.055+/-116.044 χ^2/NDF: 72.5/58

- sign -413.189+/-163.169 χ^2/NDF: 20.0/29

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 682.926+/-0.152 χ^2/NDF:465898.6/12

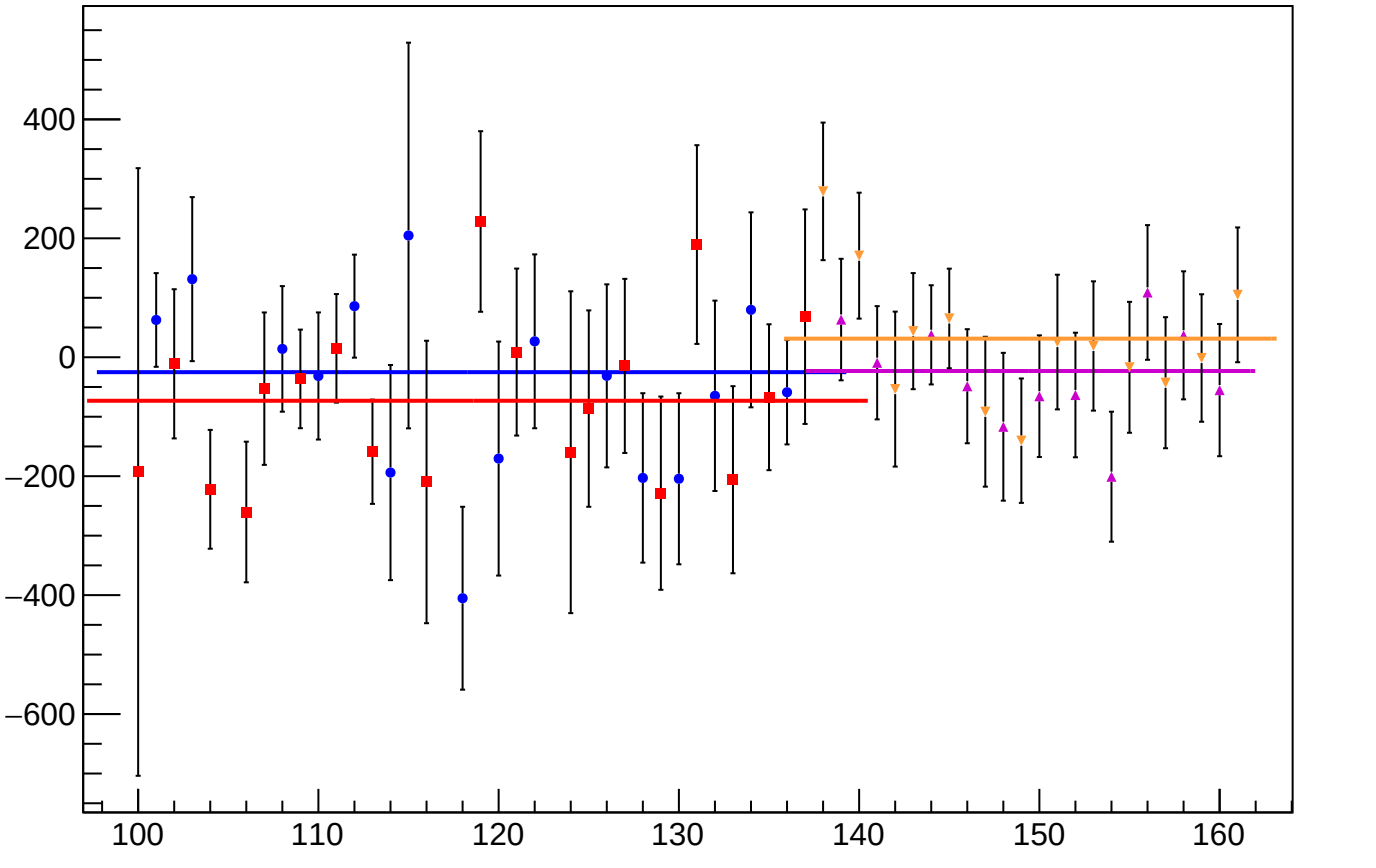
Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 683.271+/-0.158 χ^2/NDF:296292.3/10

+ sign 665.839+/-0.117 χ^2/NDF: 2371364.6/28

All: 655.196+/-0.082 χ^2/NDF: 4887979.5/58

- sign 644.797+/-0.115 χ^2/NDF: 2500177.3/29



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 31.311+/-29.920 χ^2/NDF:11.7/12

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

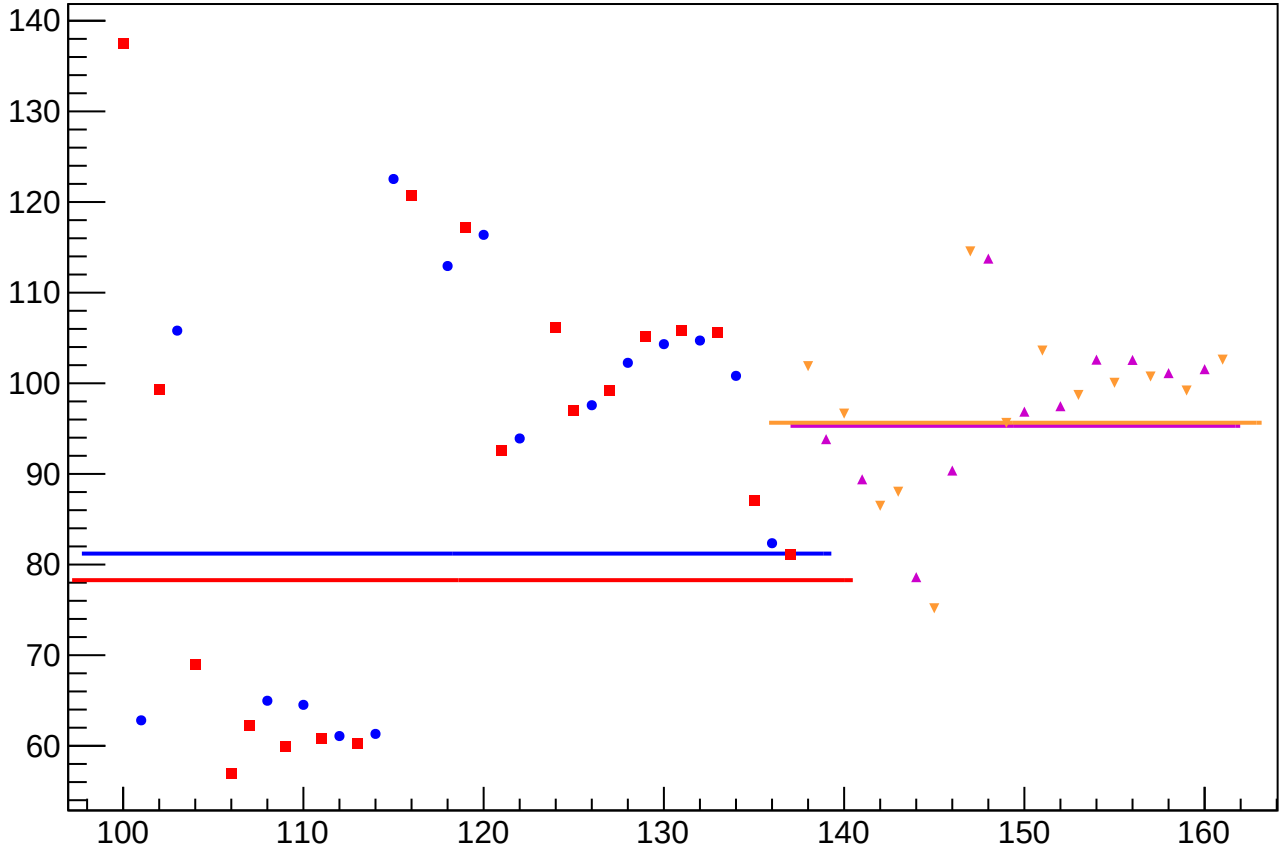
Left In: -23.149+/-31.026 χ^2/NDF:6.6/10

+ sign 4.326+/-21.605 χ^2/NDF: 29.6/28

All: -22.446+/-15.255 χ^2/NDF: 57.4/58

- sign -49.065+/-21.543 χ^2/NDF: 24.7/29

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 95.648+/-0.021 χ^2/NDF:221320.6/12

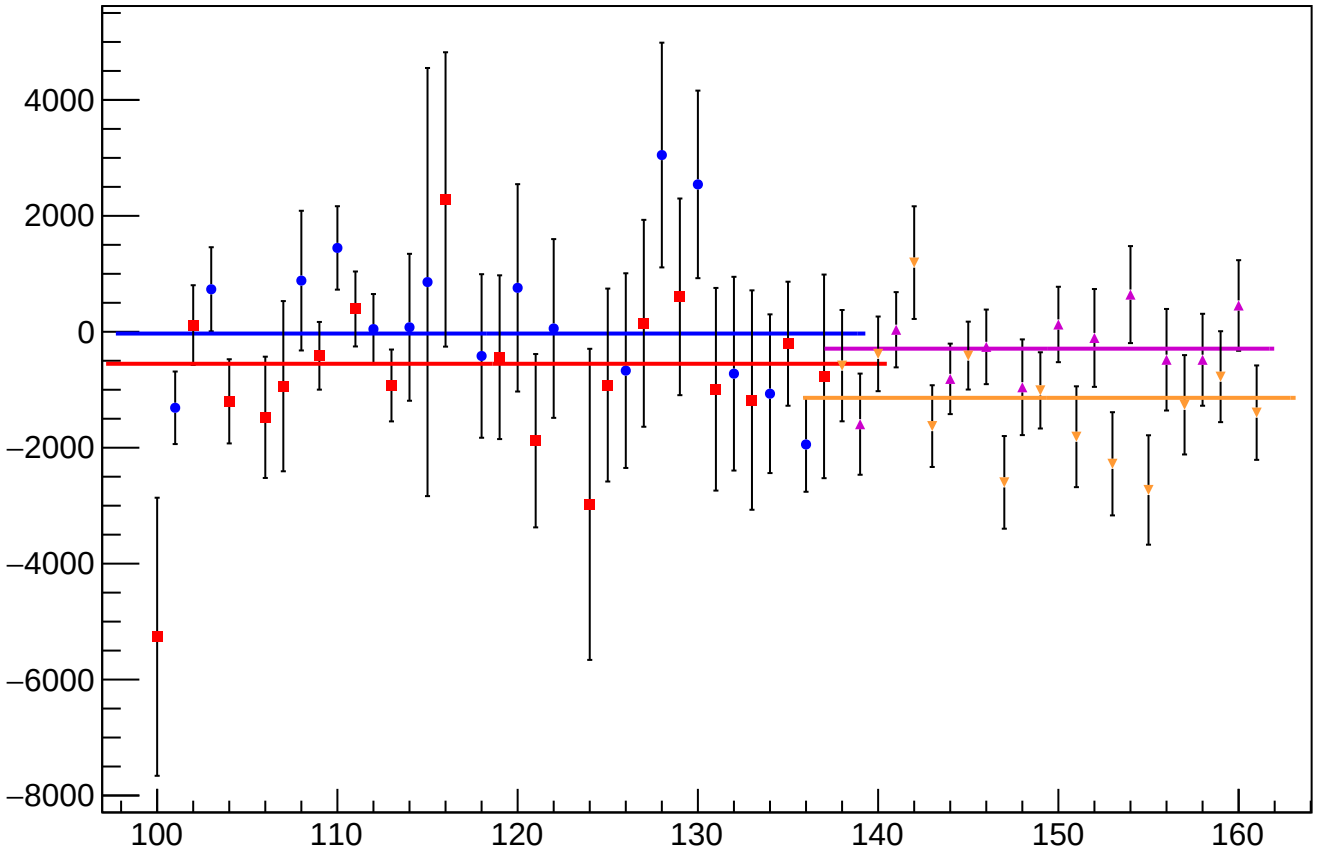
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 95.308+/-0.022 χ^2/NDF:168247.0/10

+ sign 88.738+/-0.015 χ^2/NDF: 1231906.5/28

All: 87.611+/-0.011 χ^2/NDF: 2659823.3/58

- sign 86.489+/-0.015 χ^2/NDF: 1417051.7/29



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1139.618+/-215.368 χ^2/NDF:18.3/12

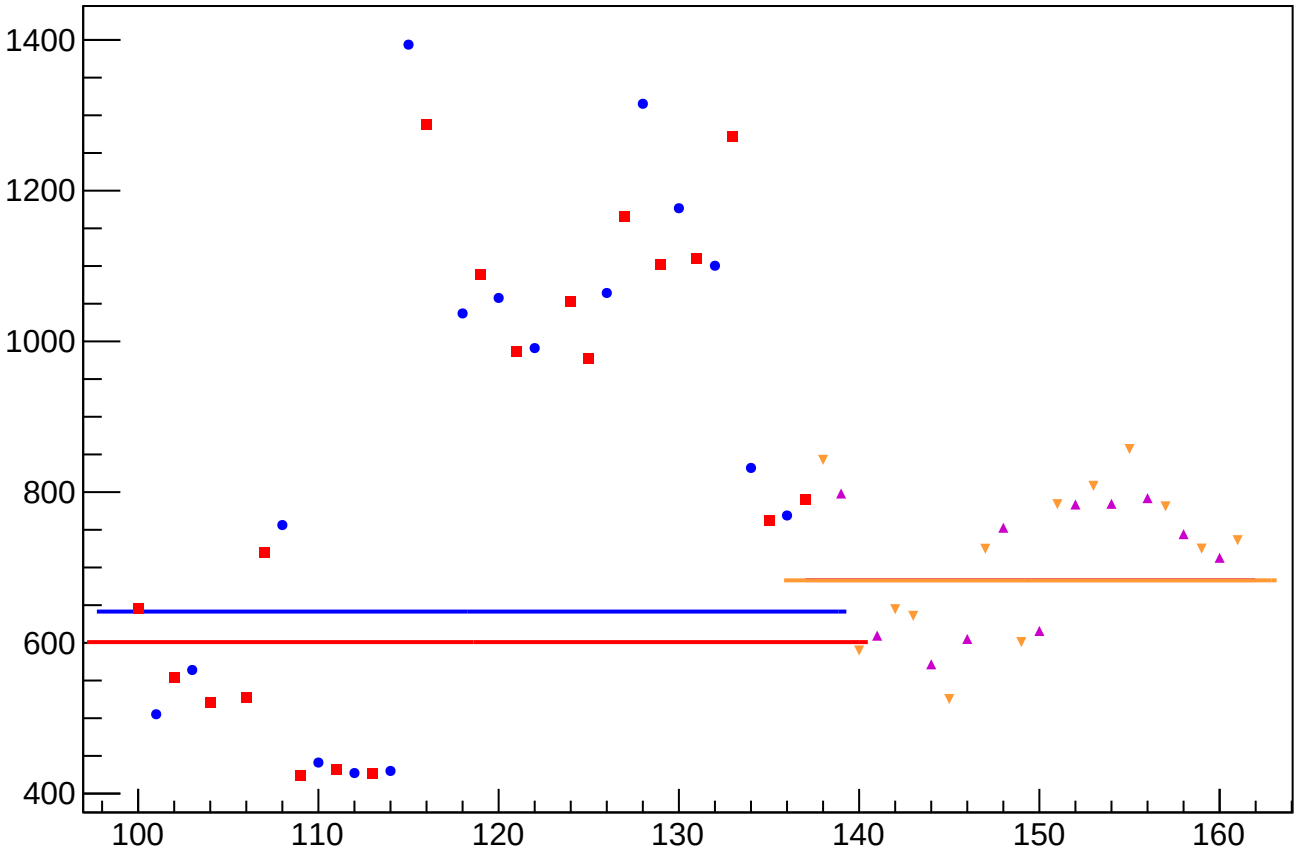
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -291.364+/-223.605 χ^2/NDF:6.6/10

\+ sign -682.035+/-165.071 χ^2/NDF: 51.1/28

All: -546.055+/-116.044 χ^2/NDF: 72.5/58

\- sign -413.189+/-163.169 χ^2/NDF: 20.0/29



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 682.926+/-0.152 χ^2/NDF:465898.6/12

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

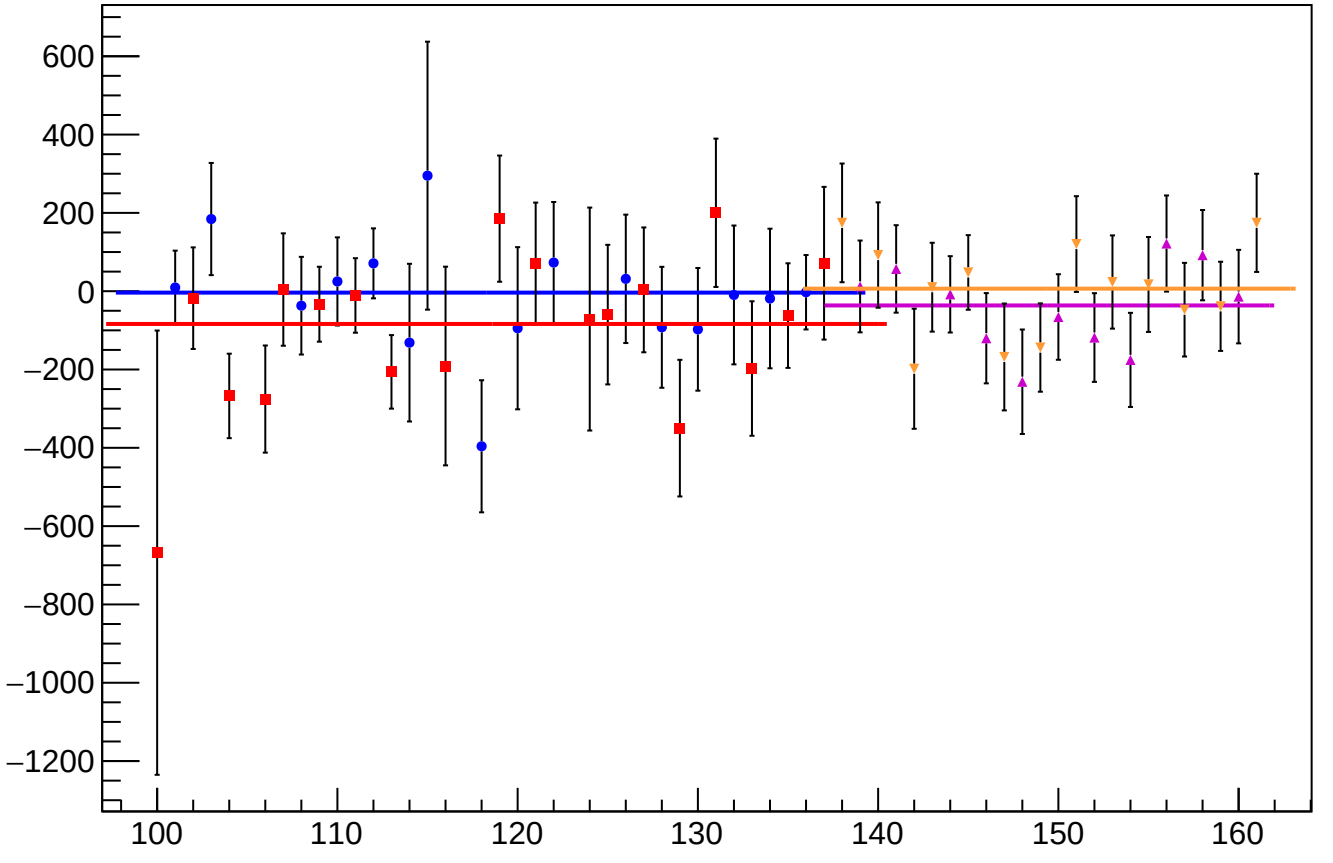
Left In: 683.271+/-0.158 χ^2/NDF:296292.3/10

+ sign 665.839+/-0.117 χ^2/NDF: 2371364.6/28

All: 655.196+/-0.082 χ^2/NDF: 4887979.5/58

- sign 644.797+/-0.115 χ^2/NDF: 2500177.3/29

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 6.502+/-33.757 χ^2/NDF:10.1/12

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

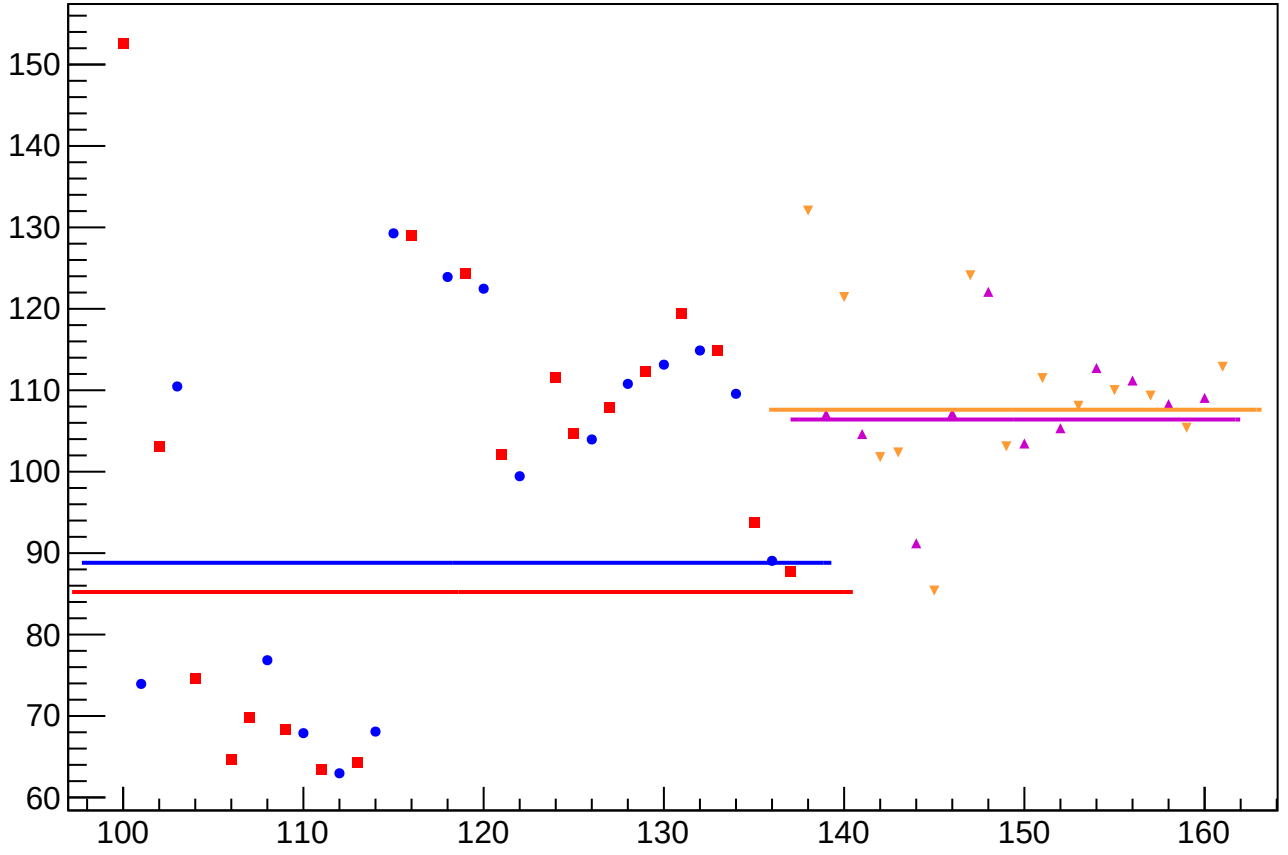
Left In: -36.408+/-34.663 χ^2/NDF:8.5/10

+ sign 1.492+/-24.008 χ^2/NDF: 20.4/28

All: -30.315+/-16.888 χ^2/NDF: 52.5/58

- sign -61.467+/-23.760 χ^2/NDF: 28.5/29

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 107.611+/-0.024 χ^2/NDF:229016.1/12

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

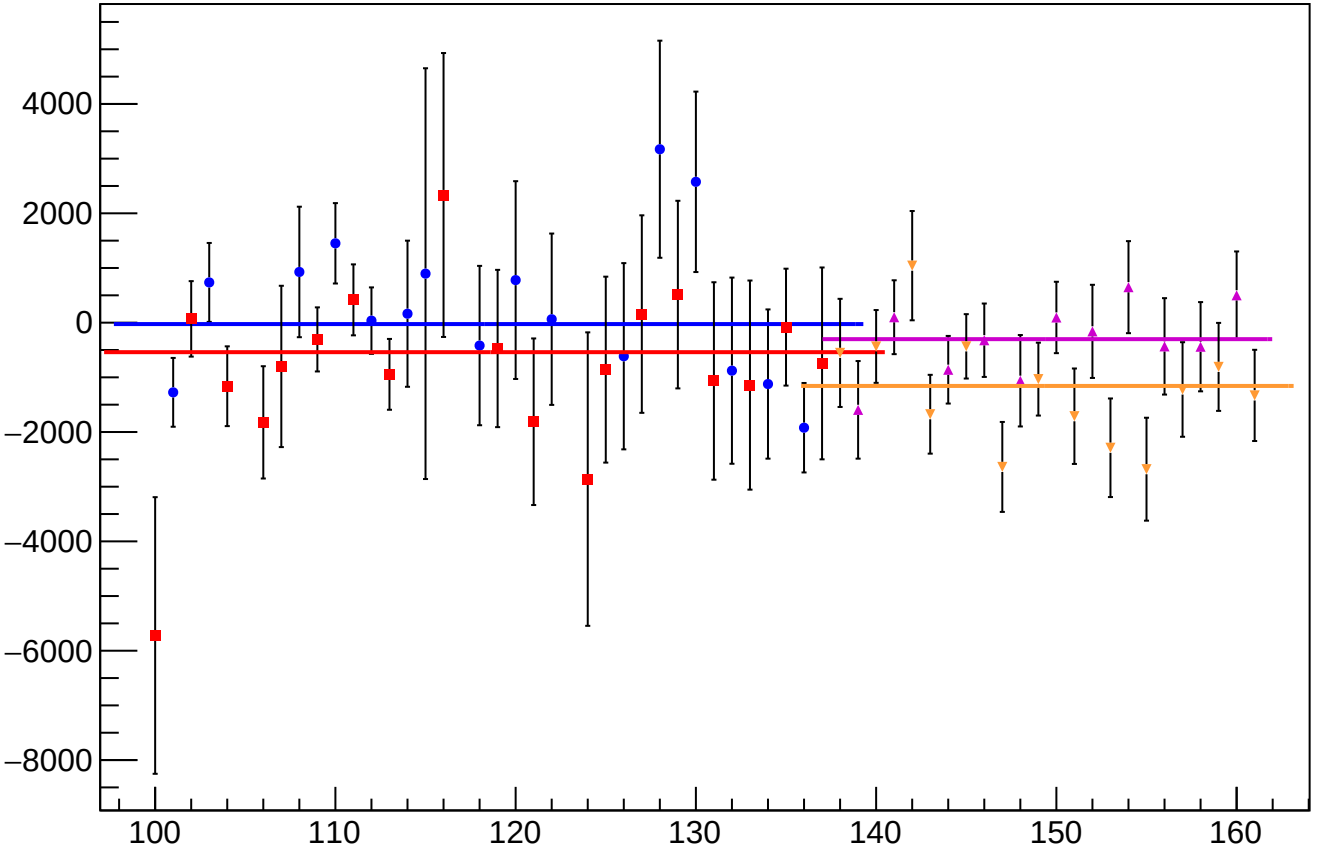
Left In: 106.408+/-0.025 χ^2/NDF:88637.0/10

+ sign 98.322+/-0.017 χ^2/NDF: 1260112.3/28

All: 96.733+/-0.012 χ^2/NDF: 2646125.1/58

- sign 95.178+/-0.017 χ^2/NDF: 1368684.7/29

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1157.297+/-219.218 χ^2/NDF:16.5/12

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

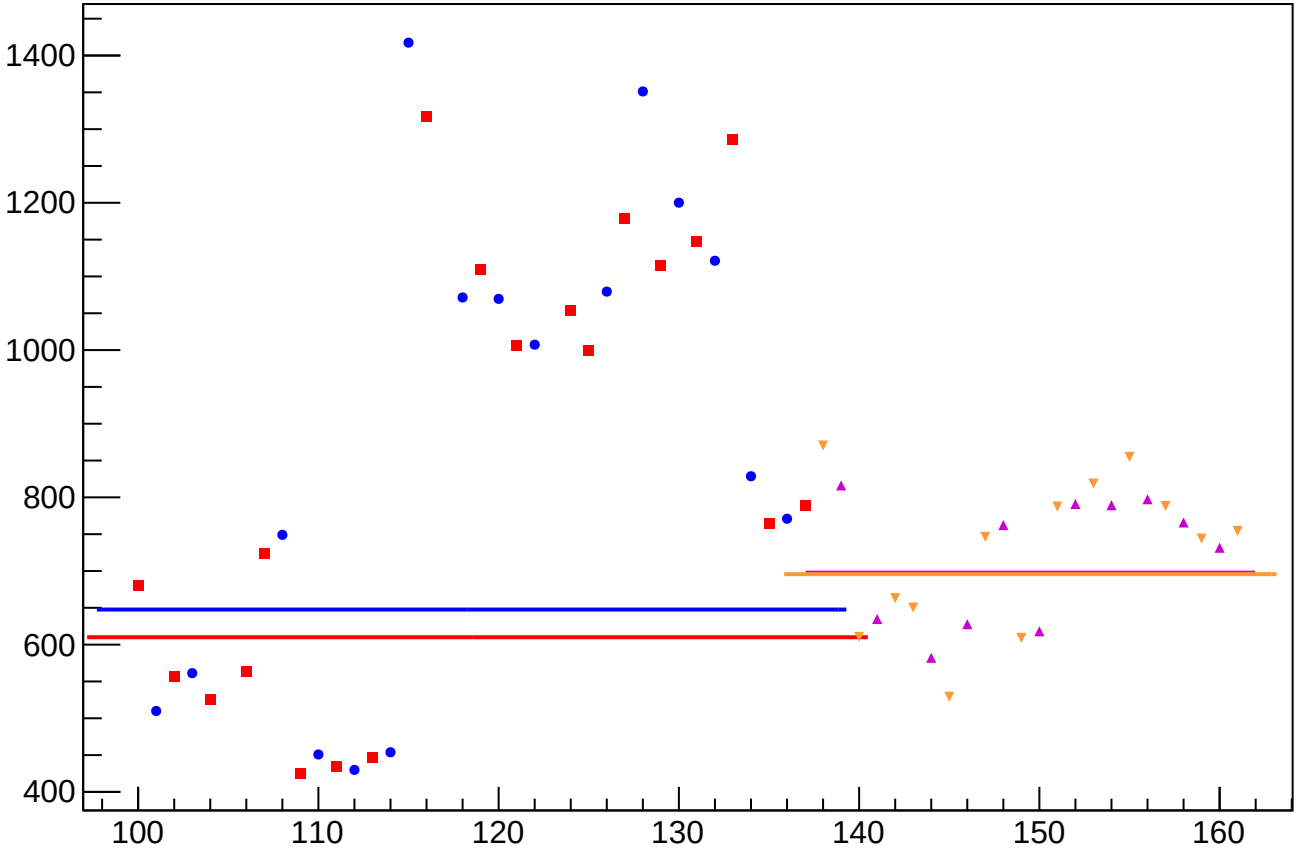
Left In: -301.537+/-228.280 χ^2/NDF:6.8/10

\+ sign -685.867+/-167.436 χ^2/NDF: 49.2/28

All: -548.618+/-117.816 χ^2/NDF: 71.5/58

\- sign -414.020+/-165.810 χ^2/NDF: 21.0/29

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 695.721+/-0.155 χ^2/NDF:462966.6/12

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

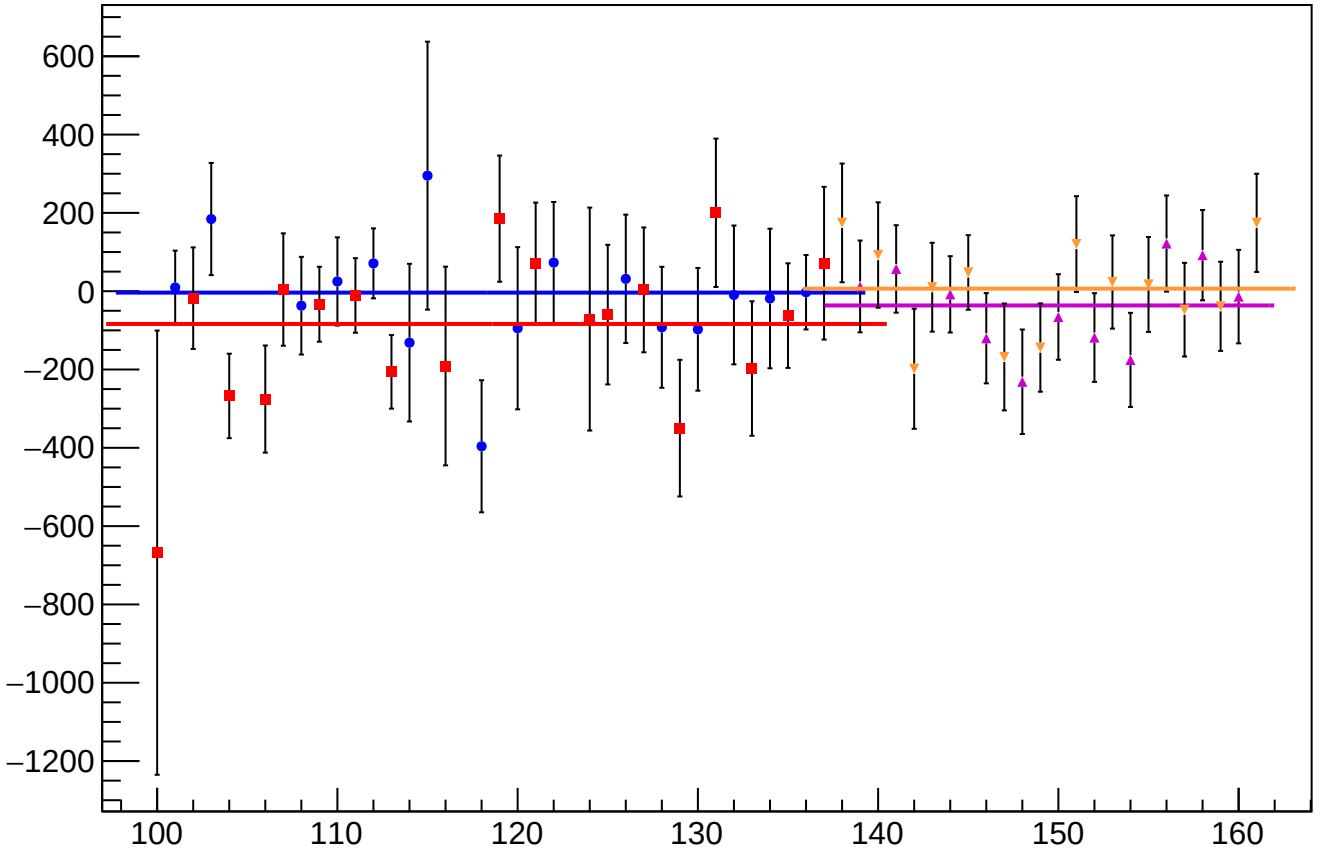
Left In: 697.779+/-0.161 χ^2/NDF:276641.2/10

+ sign 675.689+/-0.118 χ^2/NDF: 2390865.4/28

All: 665.919+/-0.083 χ^2/NDF: 4894749.9/58

- sign 656.339+/-0.117 χ^2/NDF: 2490398.1/29

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 6.503+/-33.757 χ^2/NDF:10.1/12

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

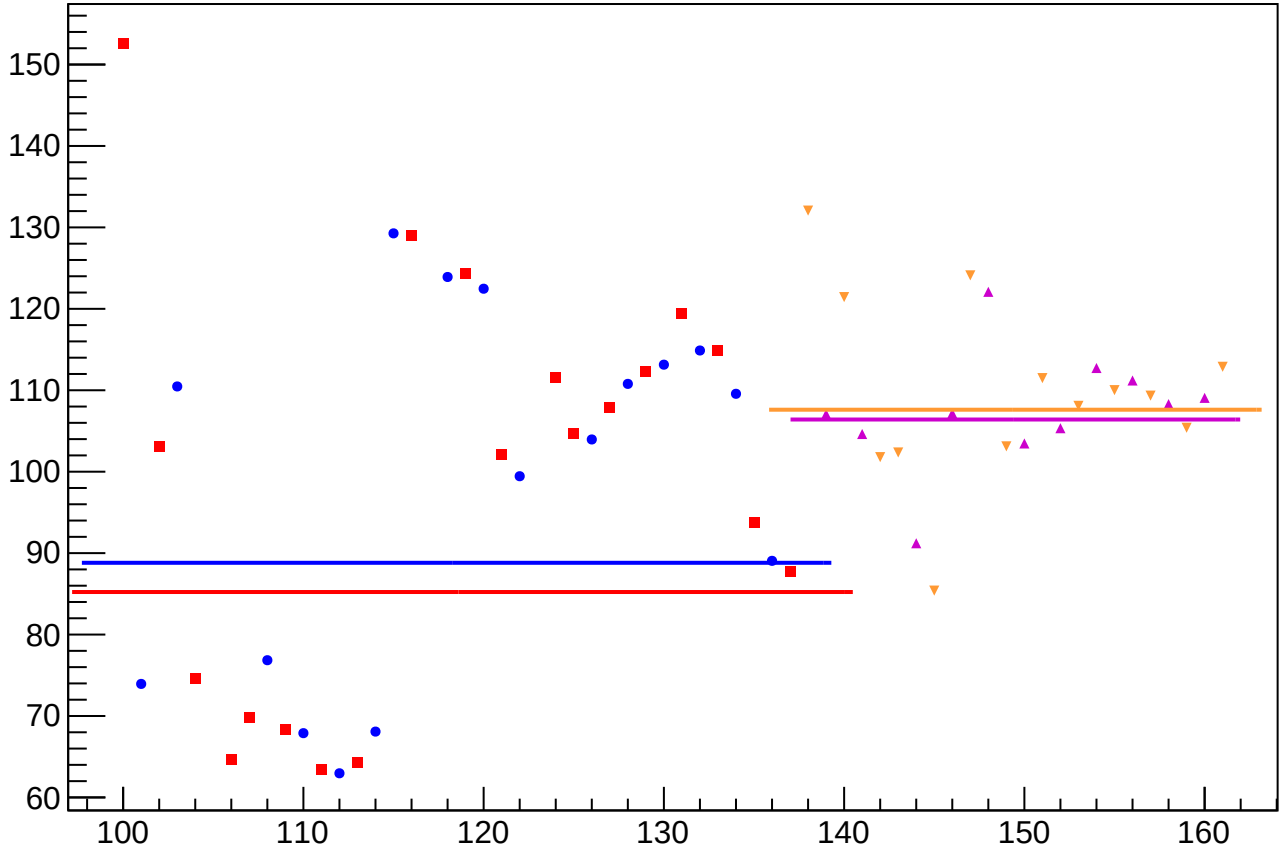
Left In: -36.408+/-34.663 χ^2/NDF:8.5/10

+ sign 1.494+/-24.008 χ^2/NDF: 20.4/28

All: -30.314+/-16.888 χ^2/NDF: 52.5/58

- sign -61.467+/-23.760 χ^2/NDF: 28.5/29

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 107.612+/-0.024 χ^2/NDF:229014.2/12

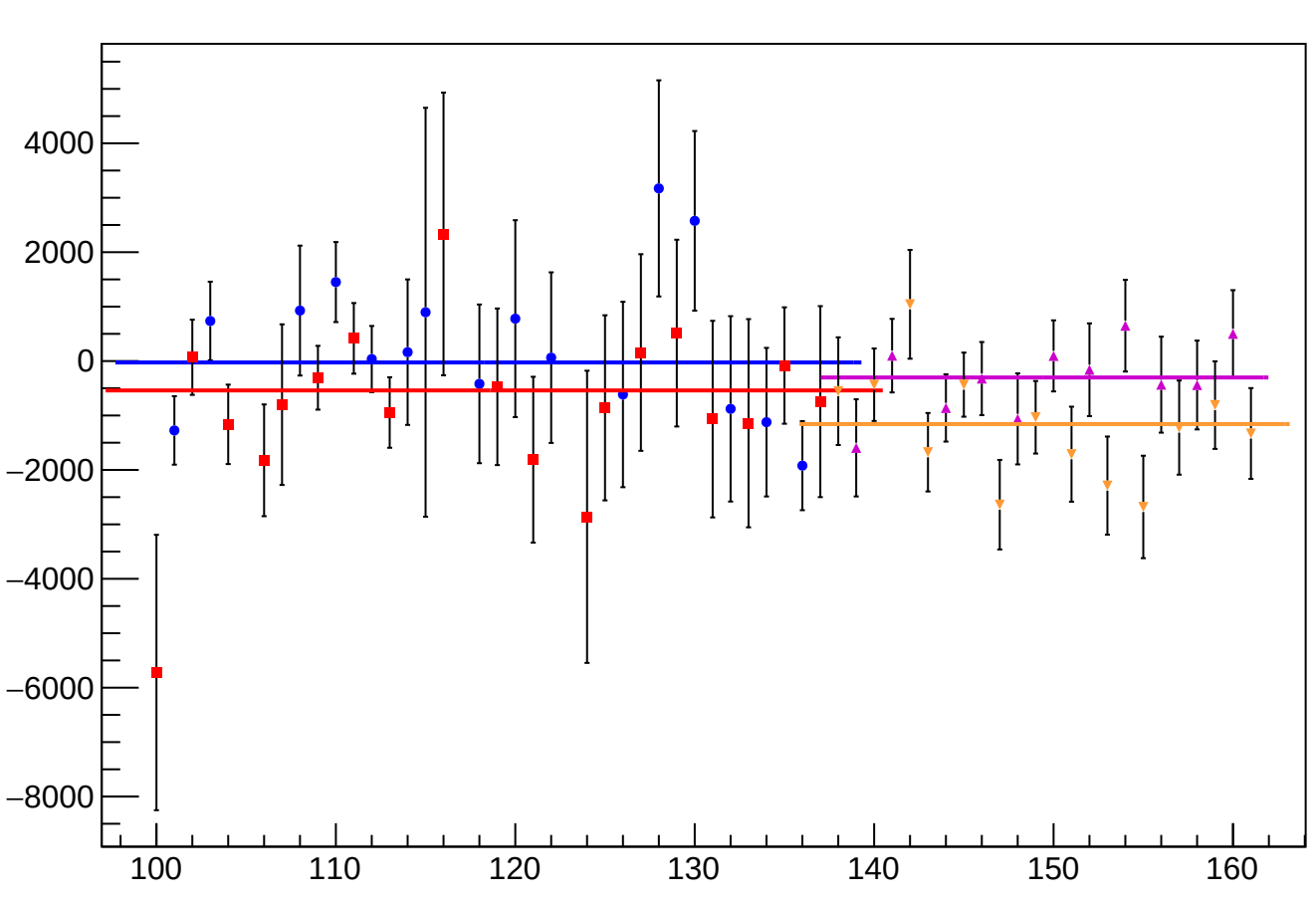
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 106.408+/-0.025 χ^2/NDF:88636.3/10

+ sign 98.322+/-0.017 χ^2/NDF: 1260116.7/28

All: 96.733+/-0.012 χ^2/NDF: 2646139.7/58

- sign 95.178+/-0.017 χ^2/NDF: 1368694.8/29



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1157.296+/-219.218 χ^2/NDF:16.5/12

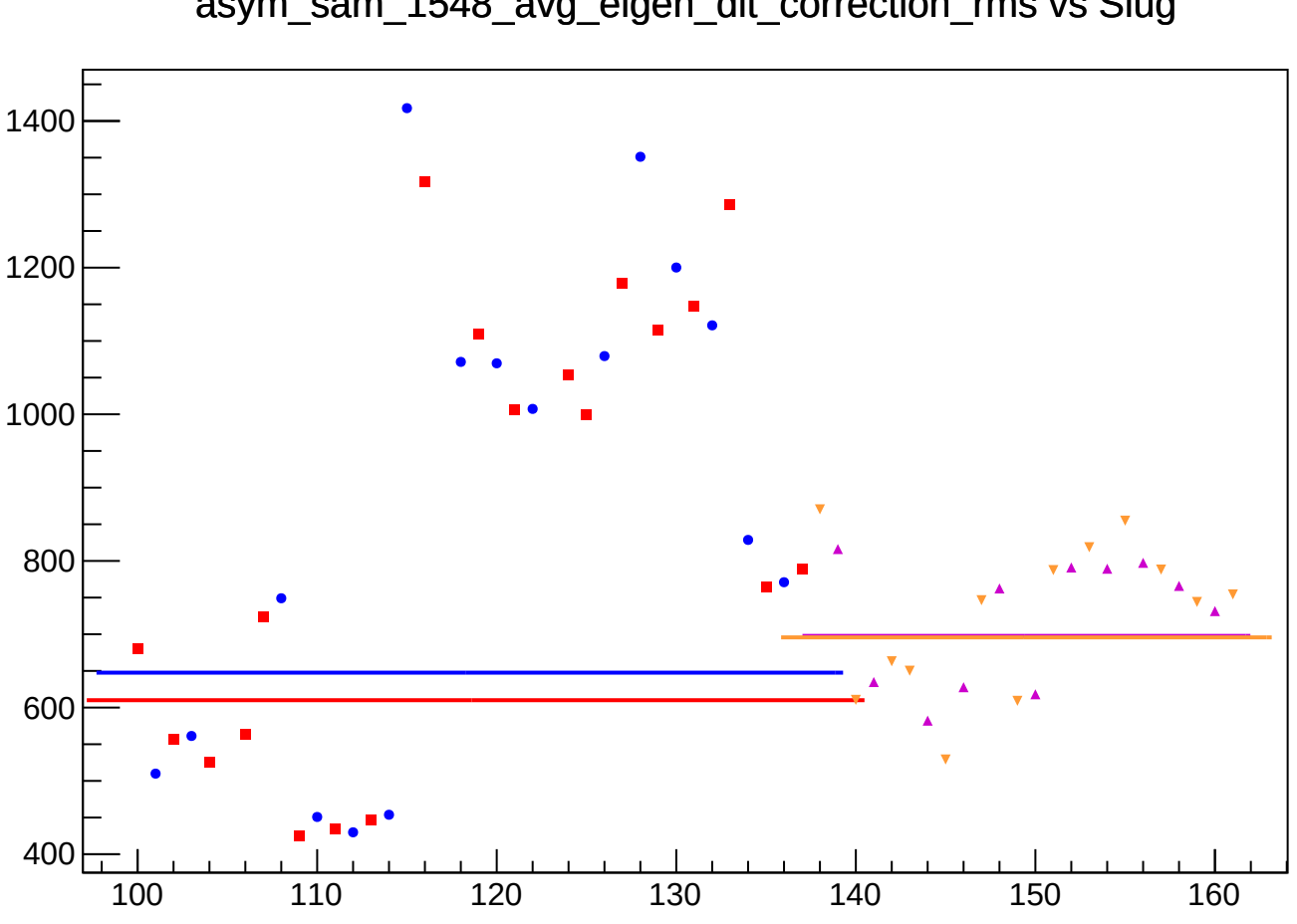
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -301.536+/-228.280 χ^2/NDF:6.8/10

+ sign -685.866+/-167.436 χ^2/NDF: 49.2/28

All: -548.617+/-117.816 χ^2/NDF: 71.5/58

- sign -414.019+/-165.810 χ^2/NDF: 21.0/29



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 695.720+/-0.155 χ^2/NDF:462967.3/12

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

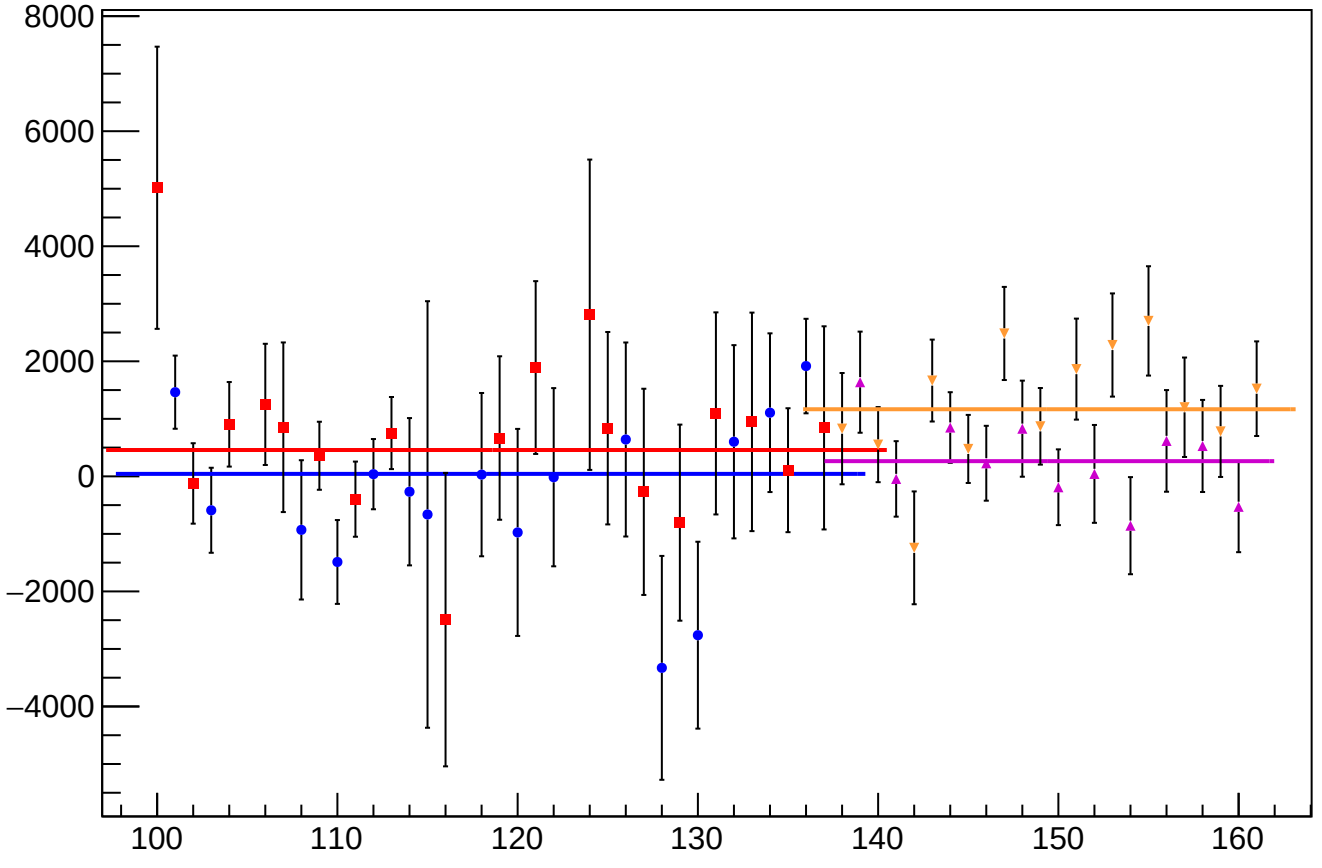
Left In: 697.778+/-0.161 χ^2/NDF:276639.1/10

+ sign 675.688+/-0.118 χ^2/NDF: 2390871.4/28

All: 665.919+/-0.083 χ^2/NDF: 4894758.3/58

- sign 656.338+/-0.117 χ^2/NDF: 2490400.7/29

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1166.651+/-217.566 χ^2/NDF:17.0/12

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

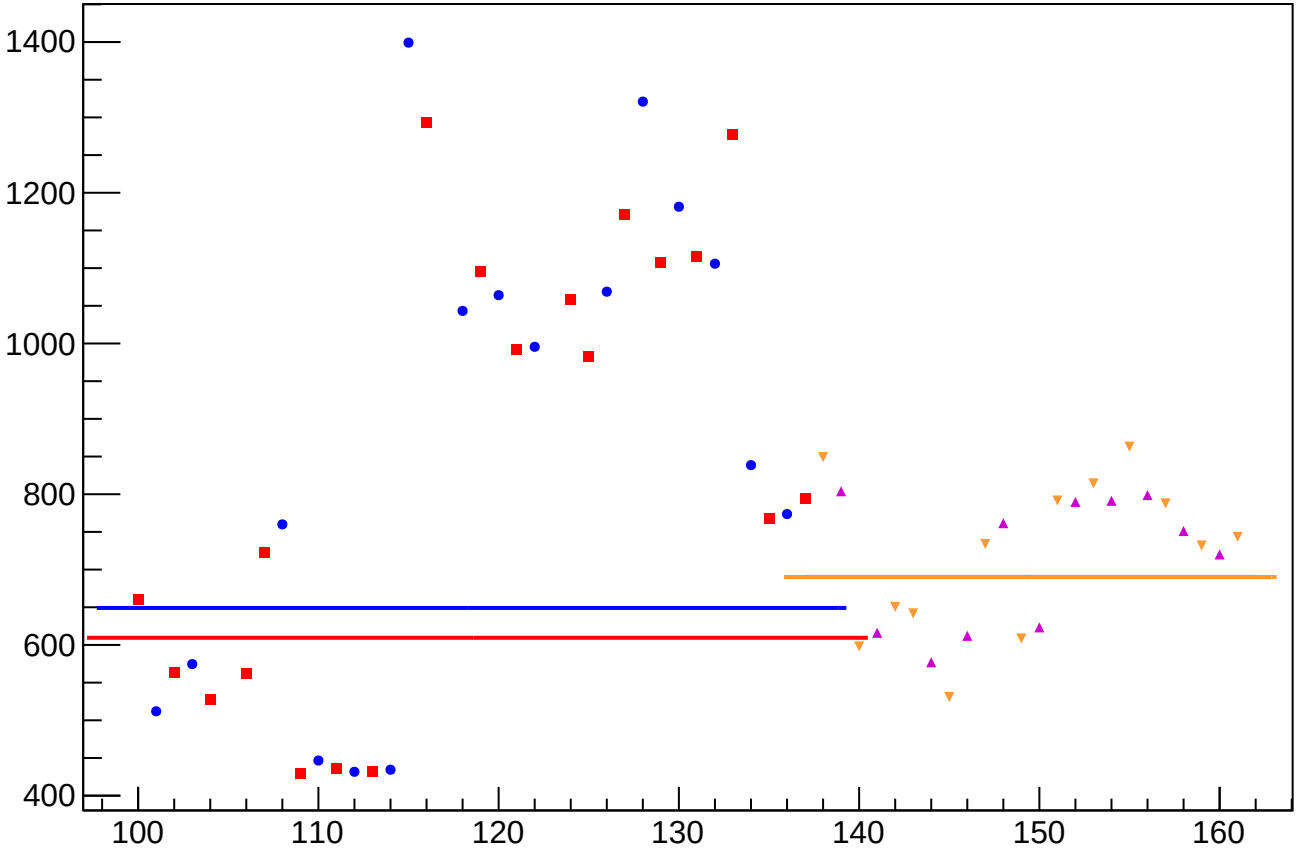
Left In: 264.396+/-225.845 χ^2/NDF:7.6/10

+ sign 703.521+/-166.801 χ^2/NDF: 51.2/28

All: 527.153+/-117.243 χ^2/NDF: 72.6/58

- sign 354.925+/-164.831 χ^2/NDF: 19.2/29

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 690.091+/-0.154 χ^2/NDF:458185.5/12

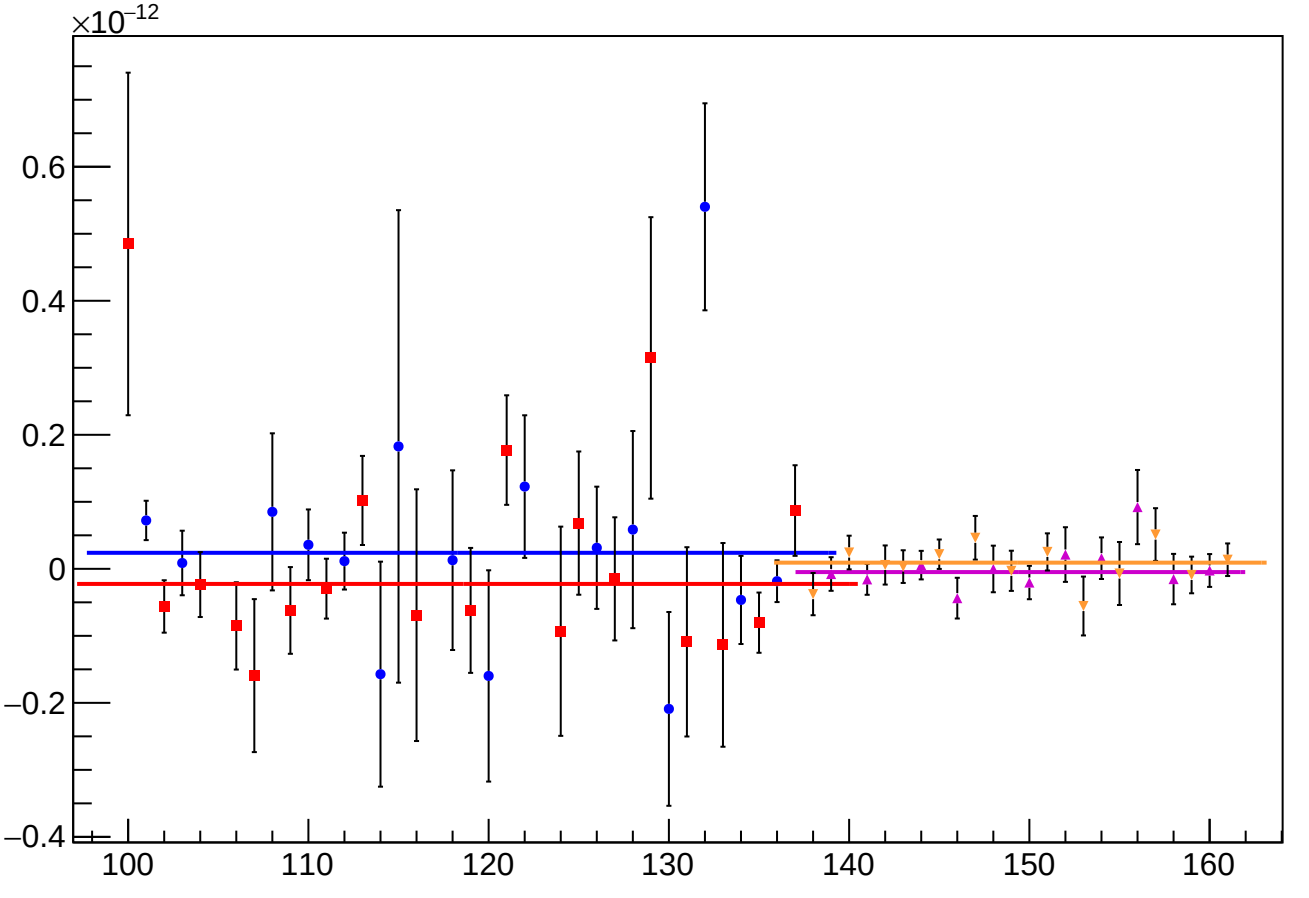
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 690.252+/-0.160 χ^2/NDF:291813.9/10

+ sign 673.190+/-0.118 χ^2/NDF: 2333280.3/28

All: 662.733+/-0.083 χ^2/NDF: 4803664.0/58

- sign 652.522+/-0.117 χ^2/NDF: 2454847.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.7/12

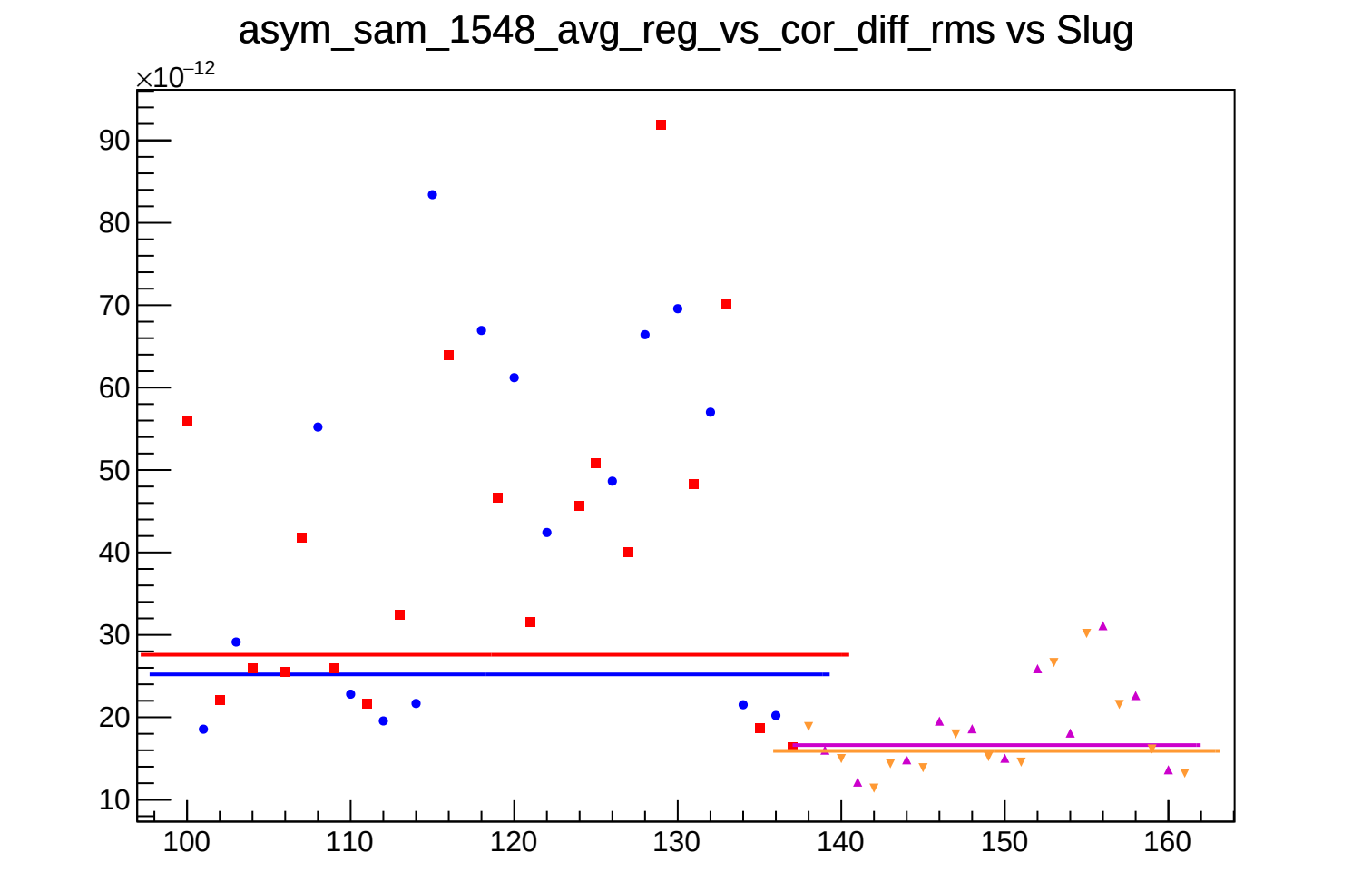
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

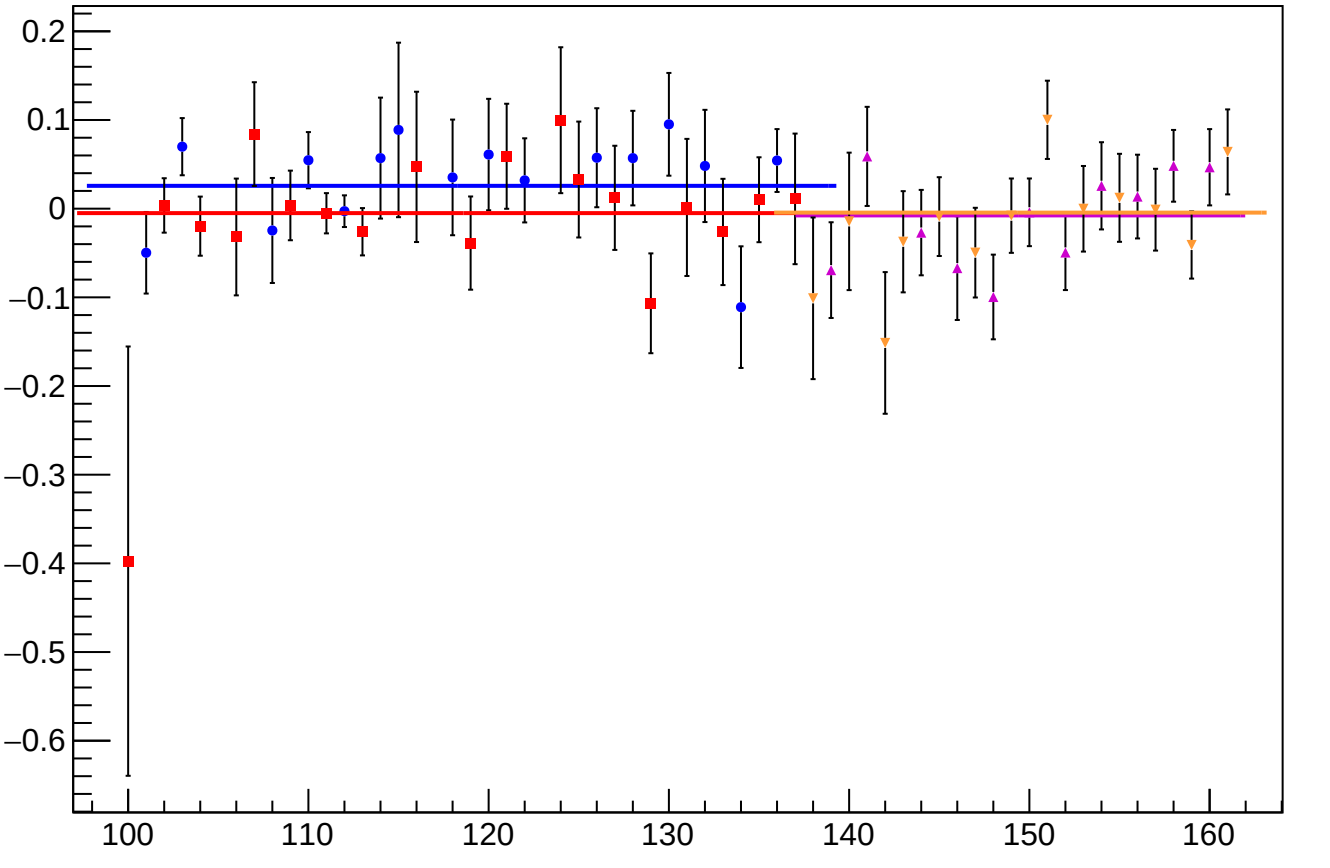
Left In: -0.000+/-0.000 χ^2/NDF:6.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 33.0/28

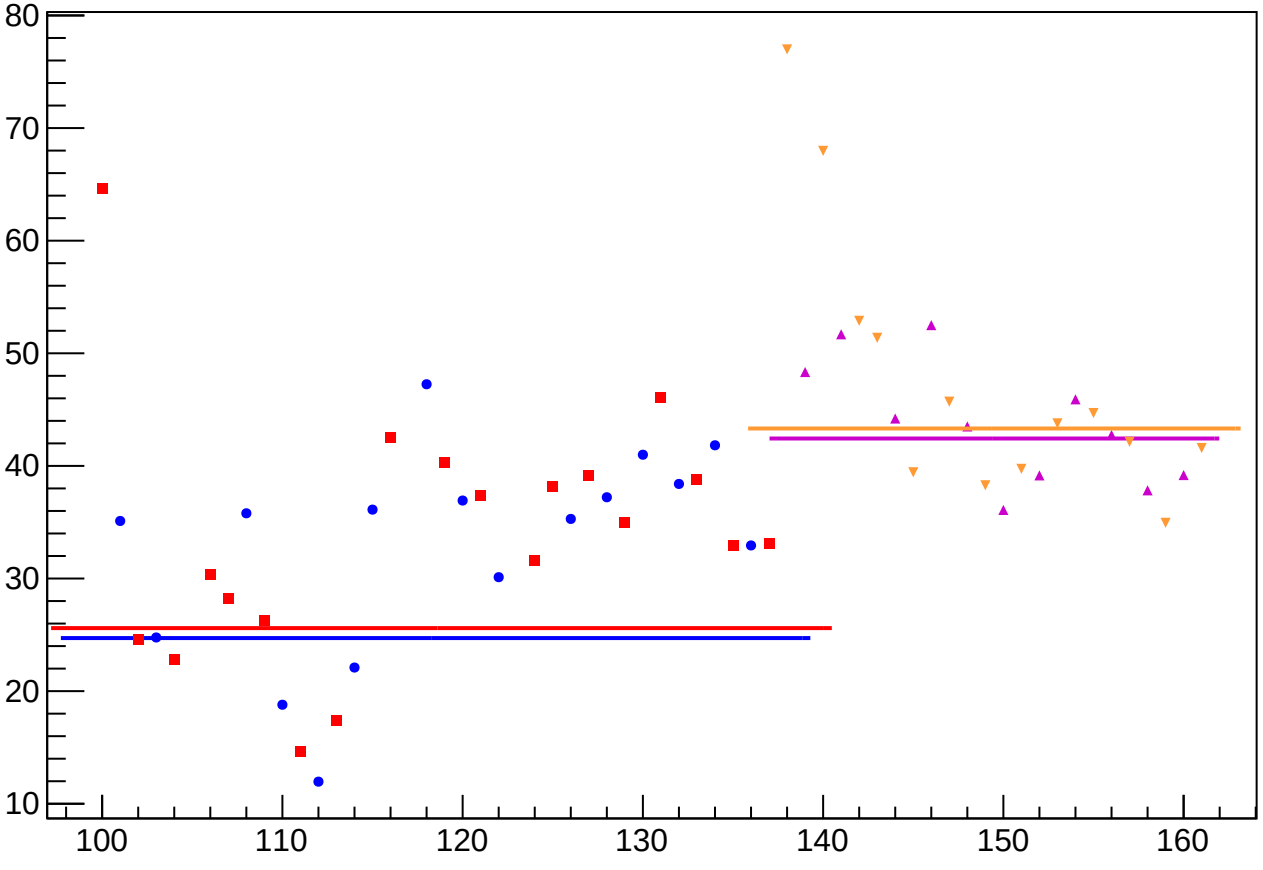
All: 0.000+/-0.000 χ^2/NDF: 70.3/58

- sign -0.000+/-0.000 χ^2/NDF: 33.1/29


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:476622.4/12
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:449860.1/10
+ sign 0.000+/-0.000 χ²/NDF: 2371207.5/28
All: 0.000+/-0.000 χ²/NDF: 4535517.3/58
- sign 0.000+/-0.000 χ²/NDF: 2143668.9/29


asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
100
110
120
130
140
150
160
Right In: 0.026+/-0.010 χ²/NDF: 16.5/15
Left Out: -0.004+/-0.014 χ²/NDF:14.4/12
Right Out: -0.005+/-0.010 χ²/NDF: 13.6/18
Left In: -0.008+/-0.014 χ²/NDF:12.8/10
+ sign 0.015+/-0.008 χ²/NDF: 33.9/28
All: 0.005+/-0.006 χ²/NDF: 63.5/58
- sign -0.006+/-0.008 χ²/NDF: 26.4/29

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: 43.322+/-0.010 χ^2/NDF:708887.5/12

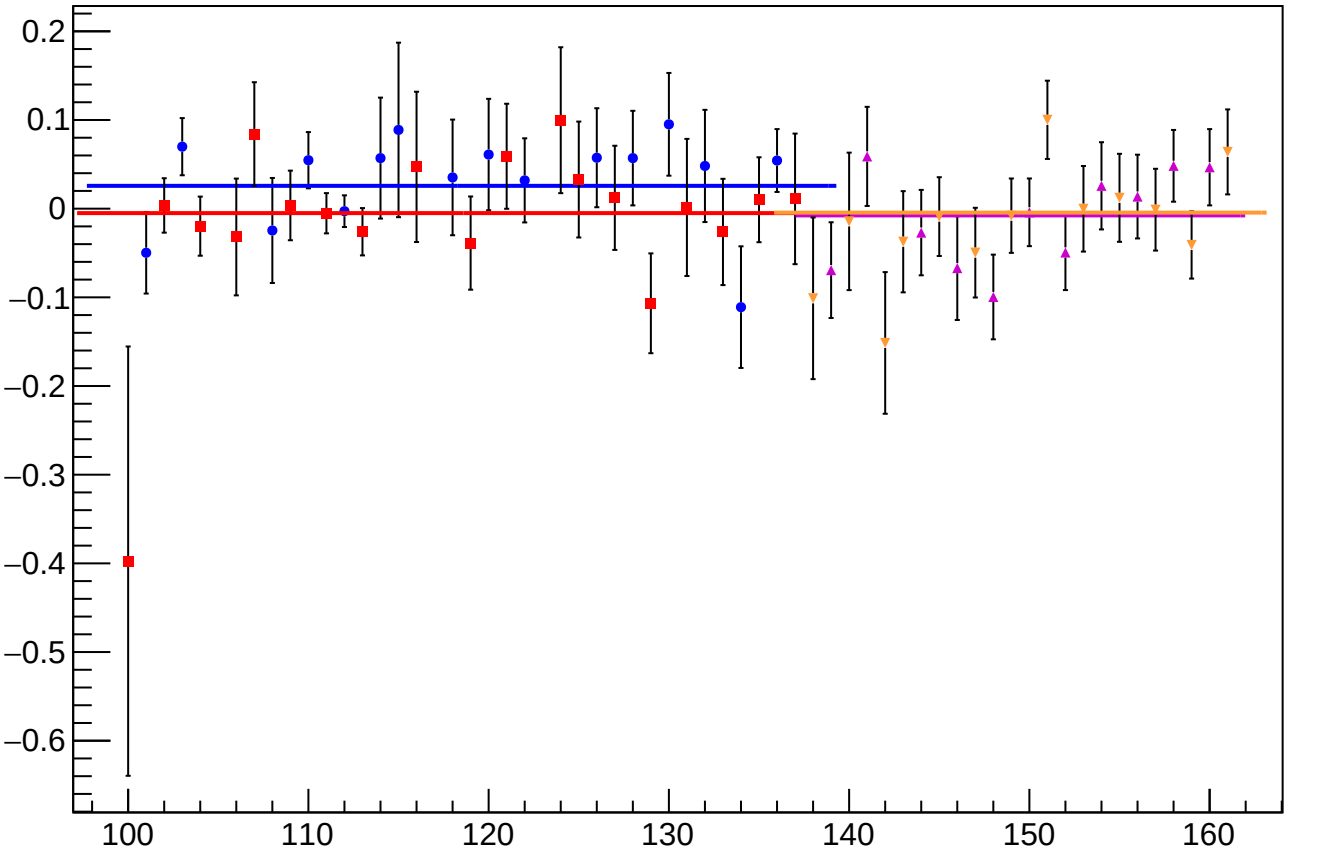
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

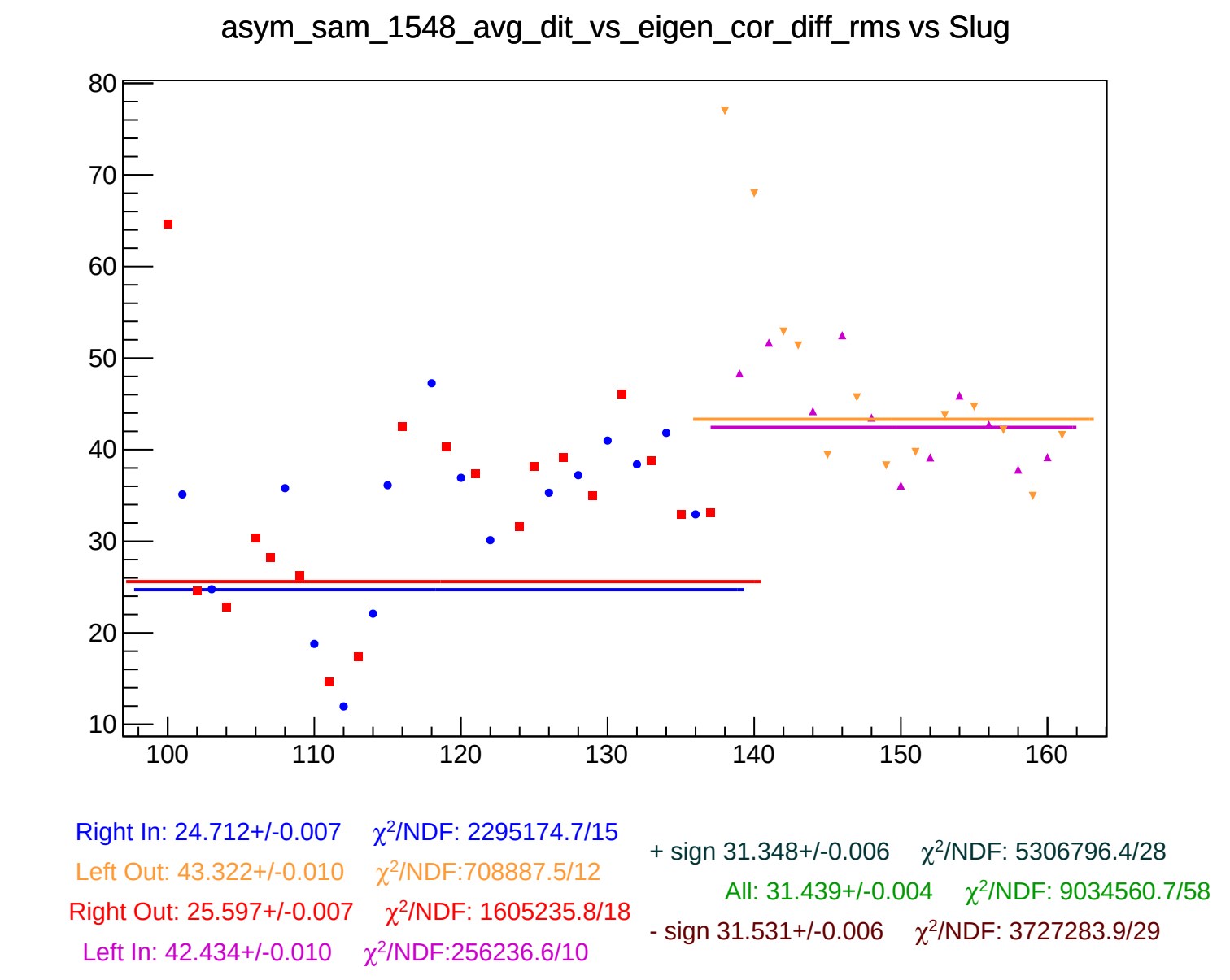
Left In: 42.434+/-0.010 χ^2/NDF:256236.6/10

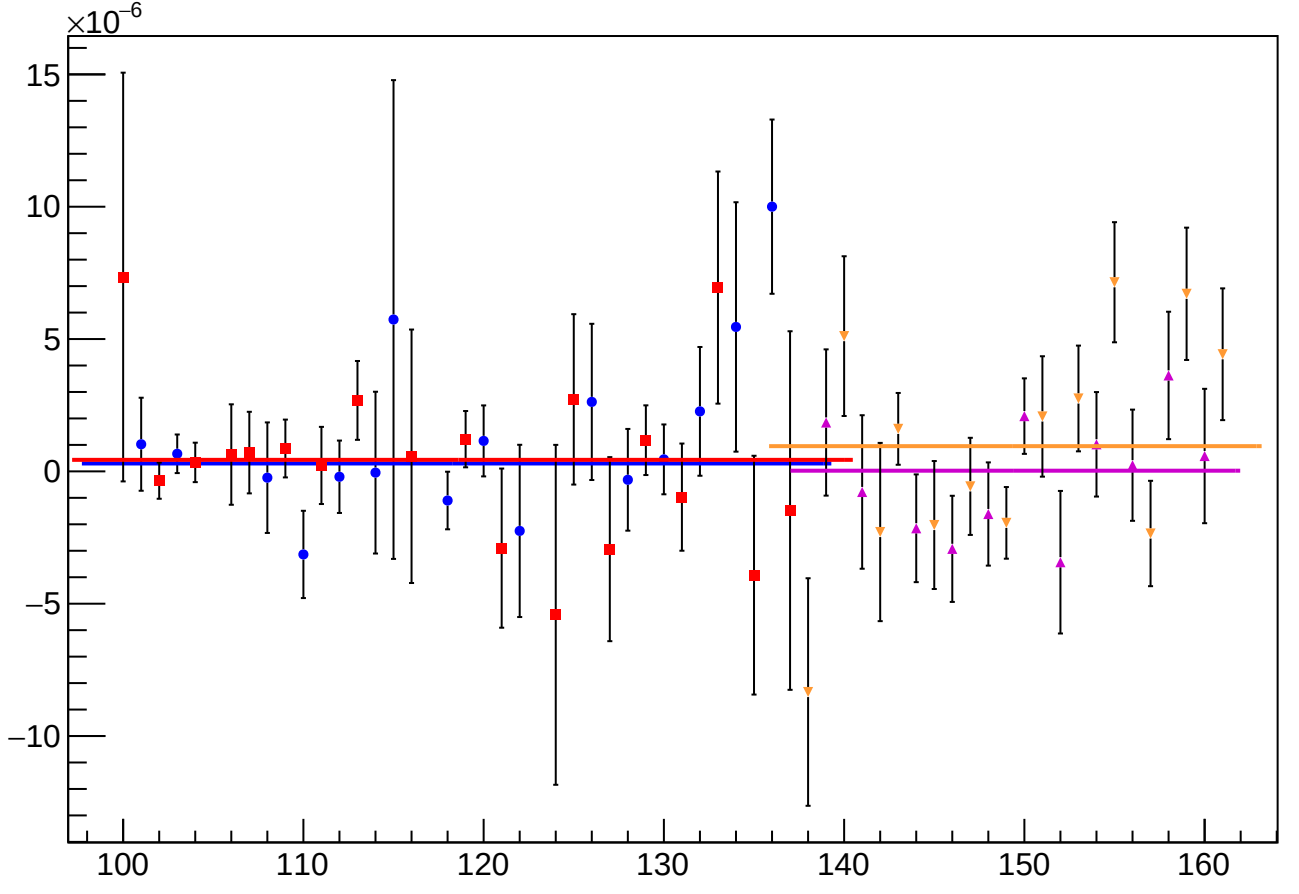
+ sign 31.348+/-0.006 χ^2/NDF: 5306796.4/28

All: 31.439+/-0.004 χ^2/NDF: 9034560.7/58

- sign 31.531+/-0.006 χ^2/NDF: 3727283.9/29


asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
100
110
120
130
140
150
160
Right In: 0.026+/-0.010 χ²/NDF: 16.5/15
Left Out: -0.004+/-0.014 χ²/NDF:14.4/12
Right Out: -0.005+/-0.010 χ²/NDF: 13.6/18
Left In: -0.008+/-0.014 χ²/NDF:12.8/10
+ sign 0.015+/-0.008 χ²/NDF: 33.9/28
All: 0.005+/-0.006 χ²/NDF: 63.5/58
- sign -0.006+/-0.008 χ²/NDF: 26.4/29


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.322+/-0.010 χ²/NDF:708887.5/12
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 42.434+/-0.010 χ²/NDF:256236.6/10
+ sign 31.348+/-0.006 χ²/NDF: 5306796.4/28
All: 31.439+/-0.004 χ²/NDF: 9034560.7/58
- sign 31.531+/-0.006 χ²/NDF: 3727283.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.0/12

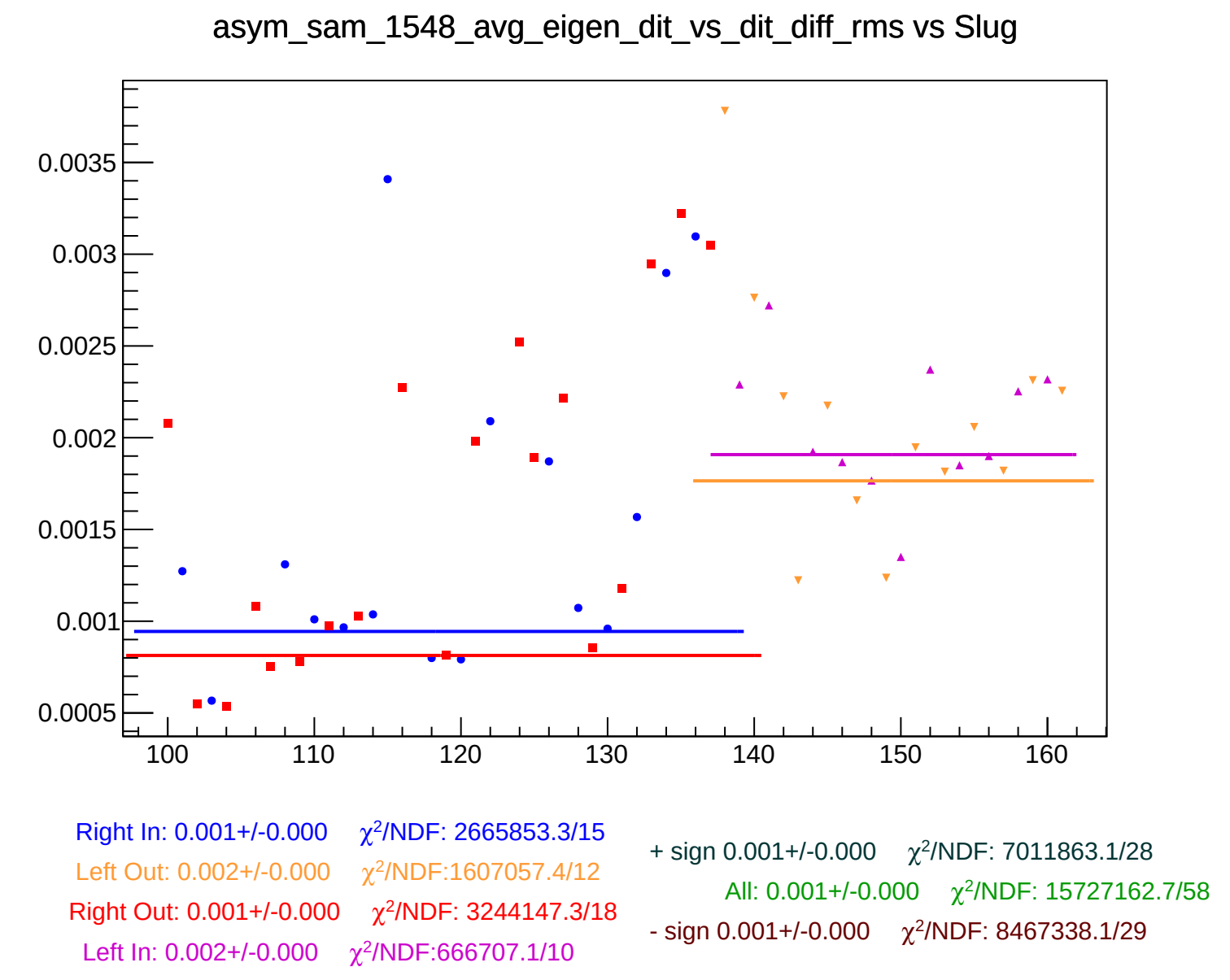
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

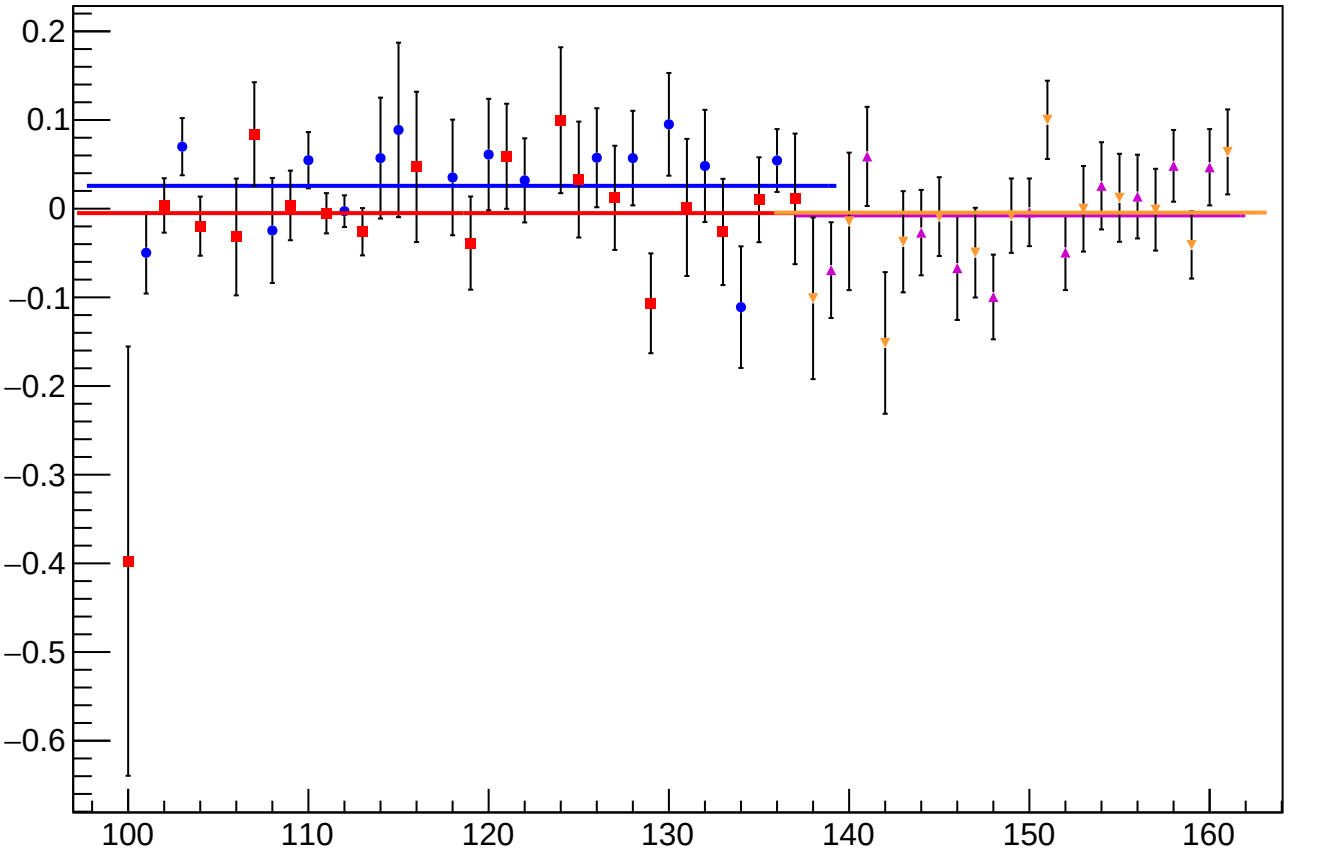
Left In: 0.000+/-0.000 χ^2/NDF:10.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 53.2/28

All: 0.000+/-0.000 χ^2/NDF: 77.2/58

- sign 0.000+/-0.000 χ^2/NDF: 23.8/29


asym_sam_1548_avg_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
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1607057.4/12
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:666707.1/10
+ sign 0.001+/-0.000 χ²/NDF: 7011863.1/28
All: 0.001+/-0.000 χ²/NDF: 15727162.7/58
- sign 0.001+/-0.000 χ²/NDF: 8467338.1/29



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.014 χ^2/NDF:14.4/12

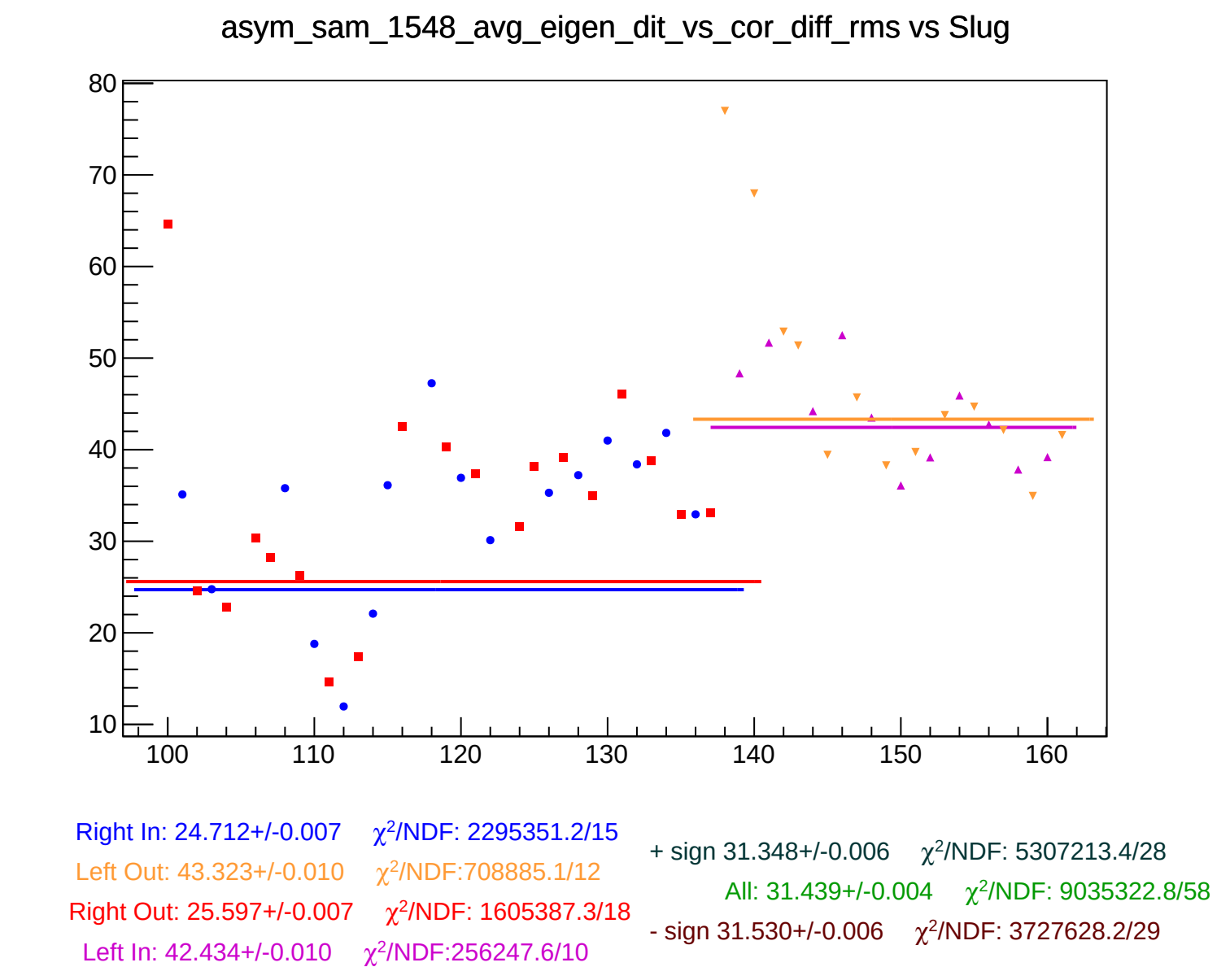
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.014 χ^2/NDF:12.8/10

+ sign 0.015+/-0.008 χ^2/NDF: 33.9/28

All: 0.005+/-0.006 χ^2/NDF: 63.5/58

- sign -0.006+/-0.008 χ^2/NDF: 26.4/29


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug
80
70
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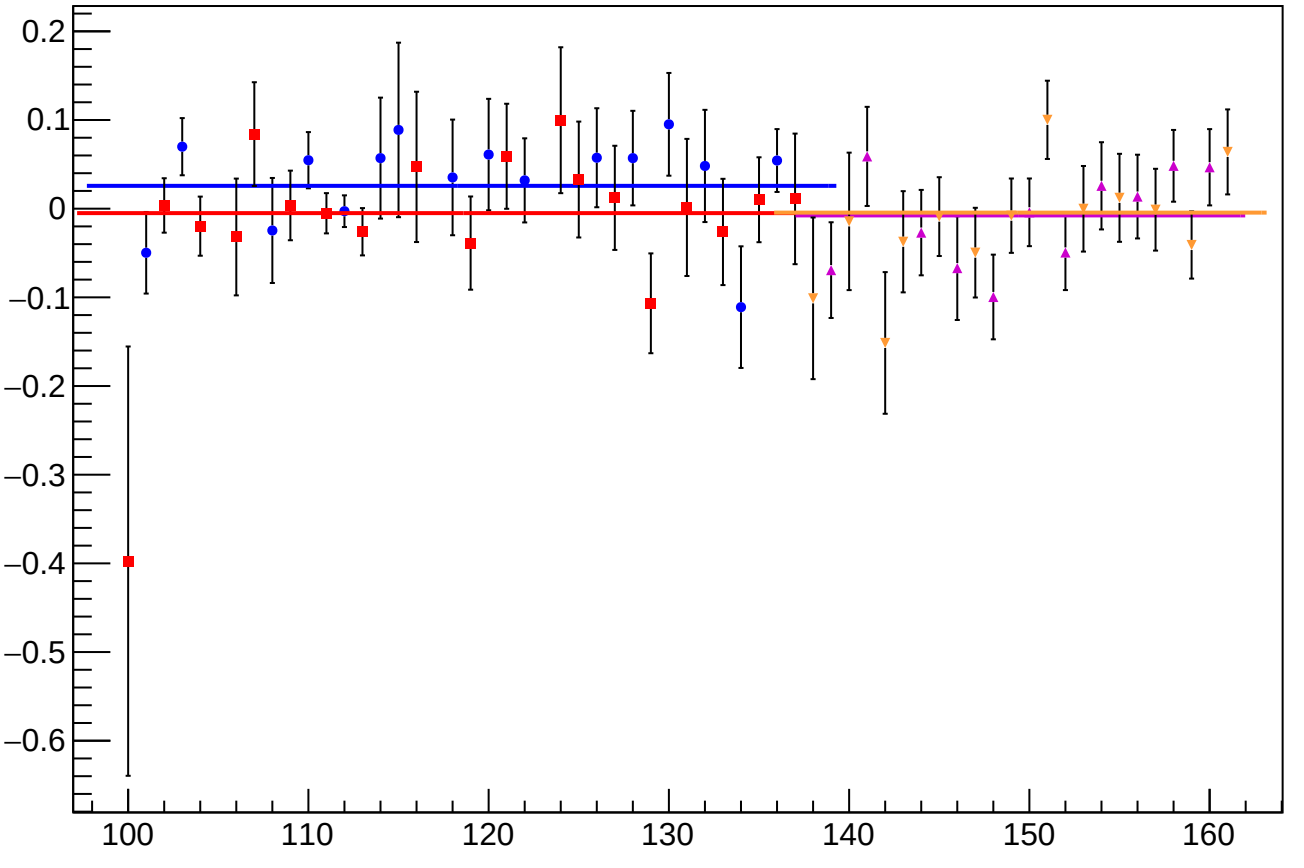
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.323+/-0.010 χ²/NDF:708885.1/12
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.434+/-0.010 χ²/NDF:256247.6/10
+ sign 31.348+/-0.006 χ²/NDF: 5307213.4/28
All: 31.439+/-0.004 χ²/NDF: 9035322.8/58
- sign 31.530+/-0.006 χ²/NDF: 3727628.2/29



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.014 χ^2/NDF:14.4/12

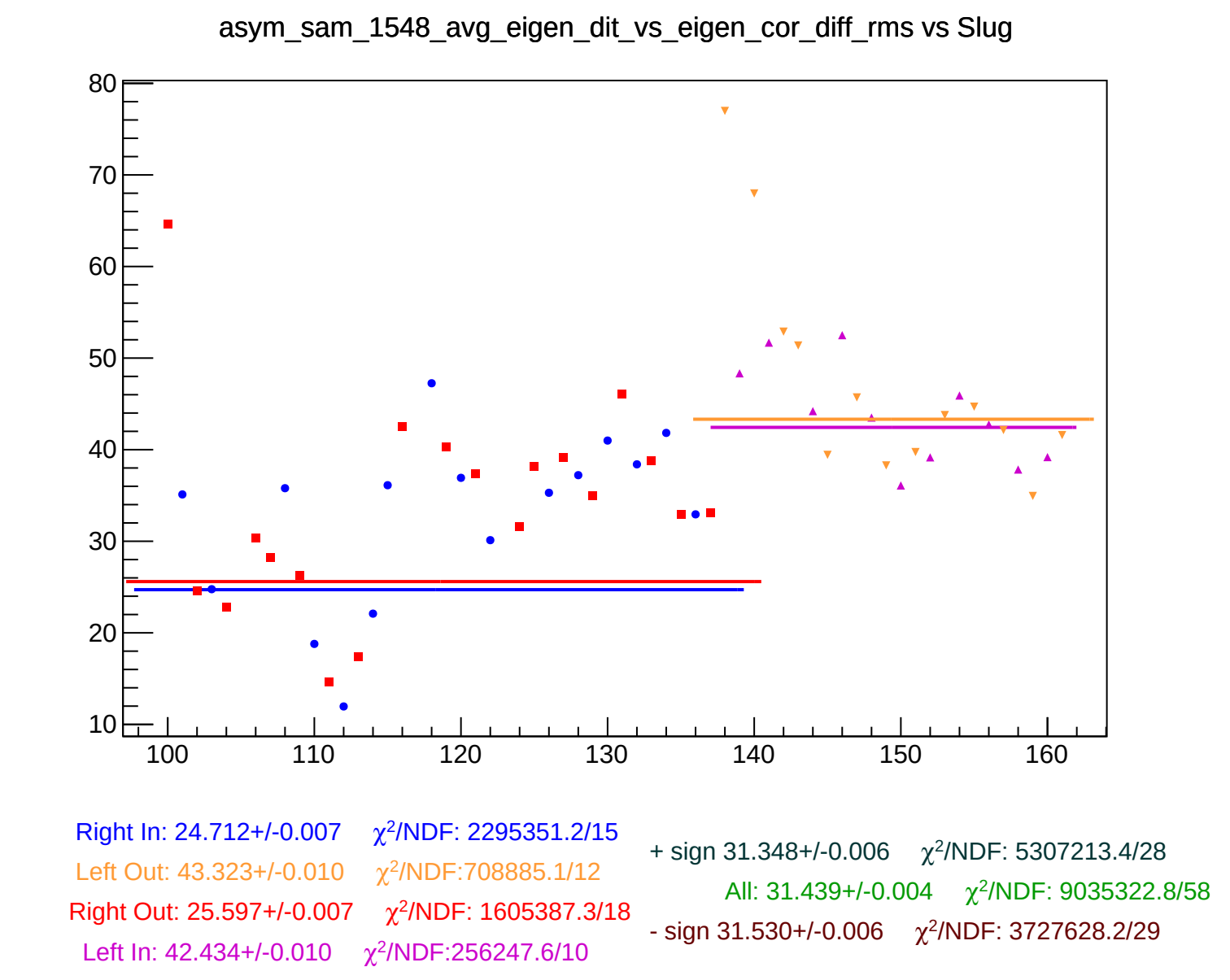
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.014 χ^2/NDF:12.8/10

+ sign 0.015+/-0.008 χ^2/NDF: 33.9/28

All: 0.005+/-0.006 χ^2/NDF: 63.5/58

- sign -0.006+/-0.008 χ^2/NDF: 26.4/29


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
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20
10
100
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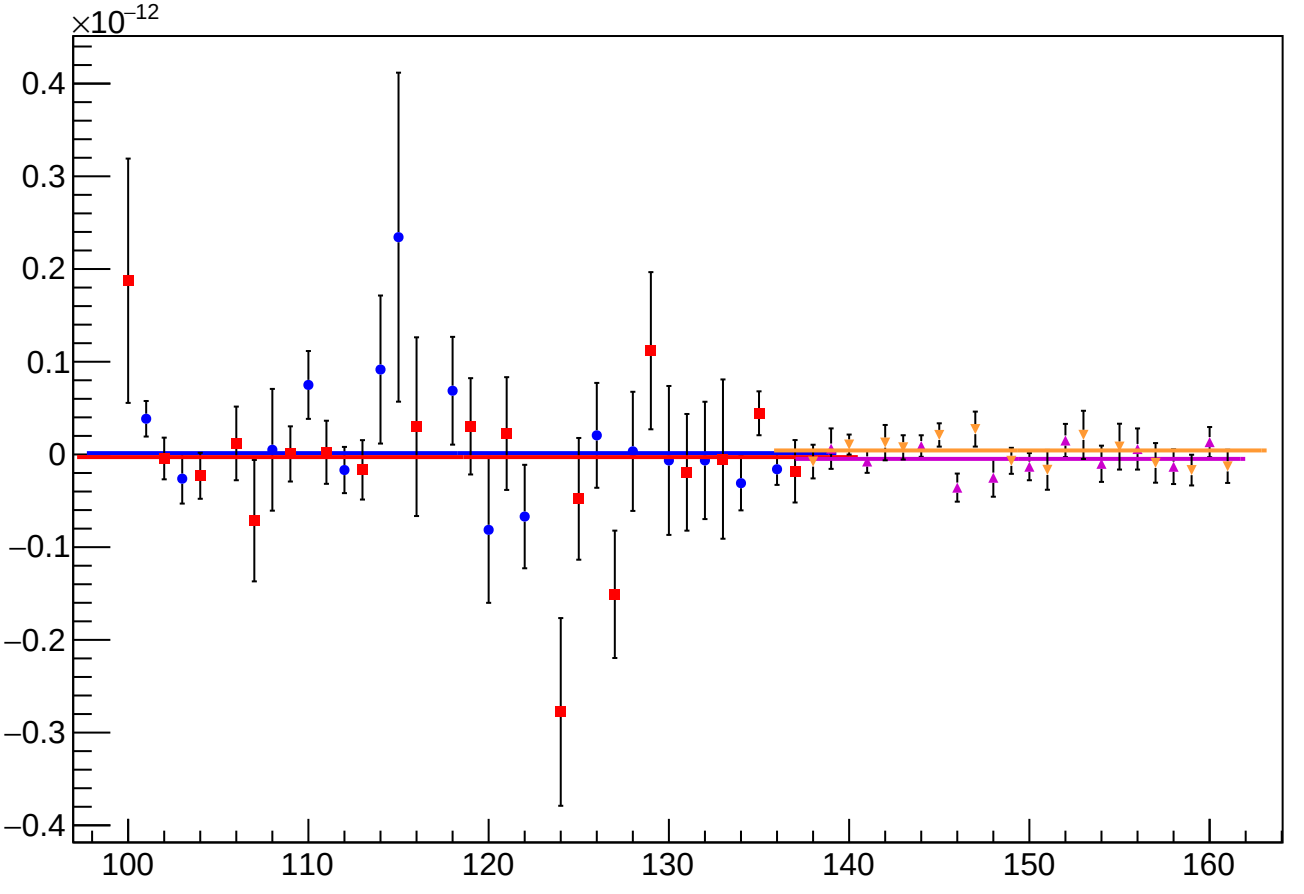
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.323+/-0.010 χ²/NDF:708885.1/12
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.434+/-0.010 χ²/NDF:256247.6/10
+ sign 31.348+/-0.006 χ²/NDF: 5307213.4/28
All: 31.439+/-0.004 χ²/NDF: 9035322.8/58
- sign 31.530+/-0.006 χ²/NDF: 3727628.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/12

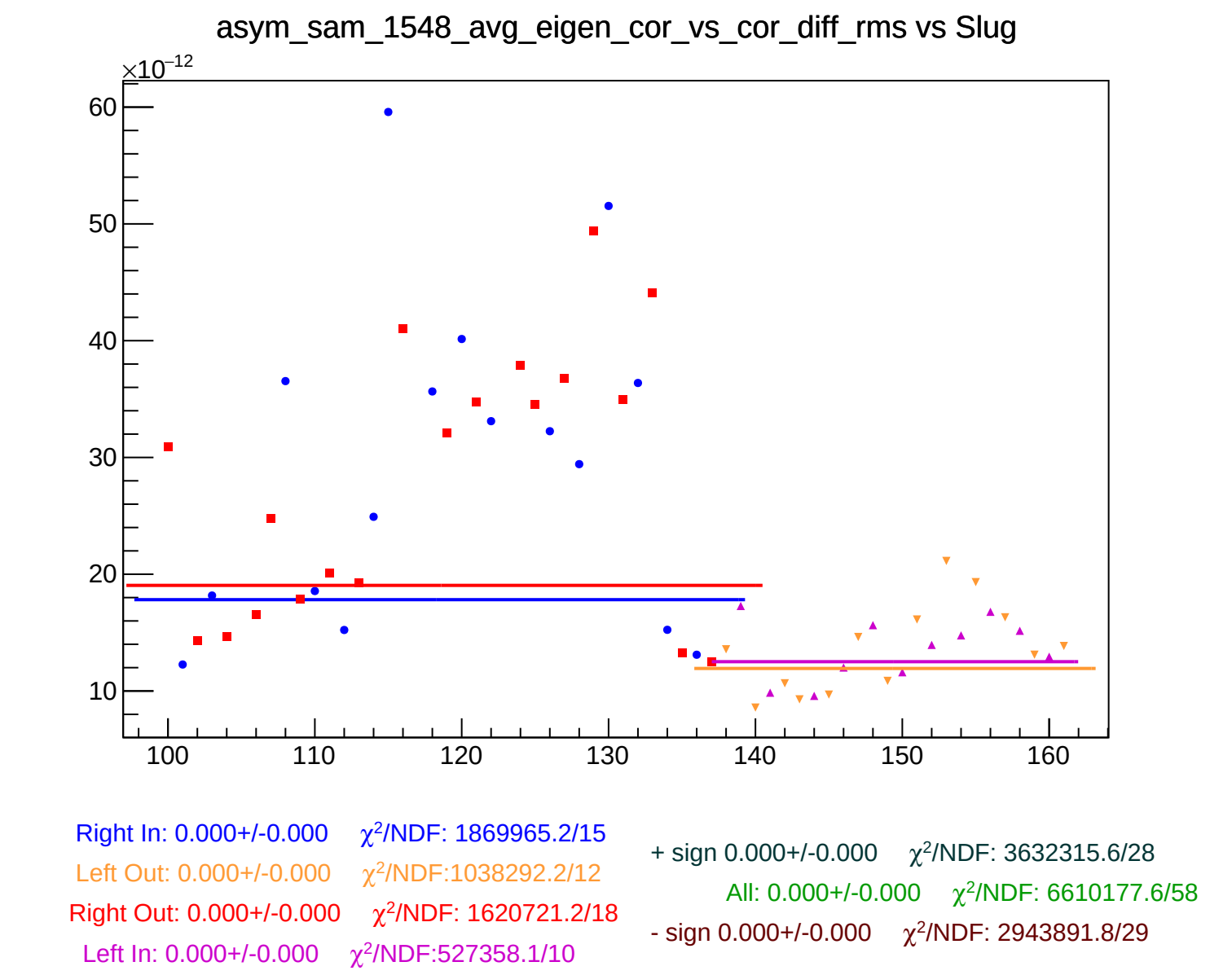
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/10

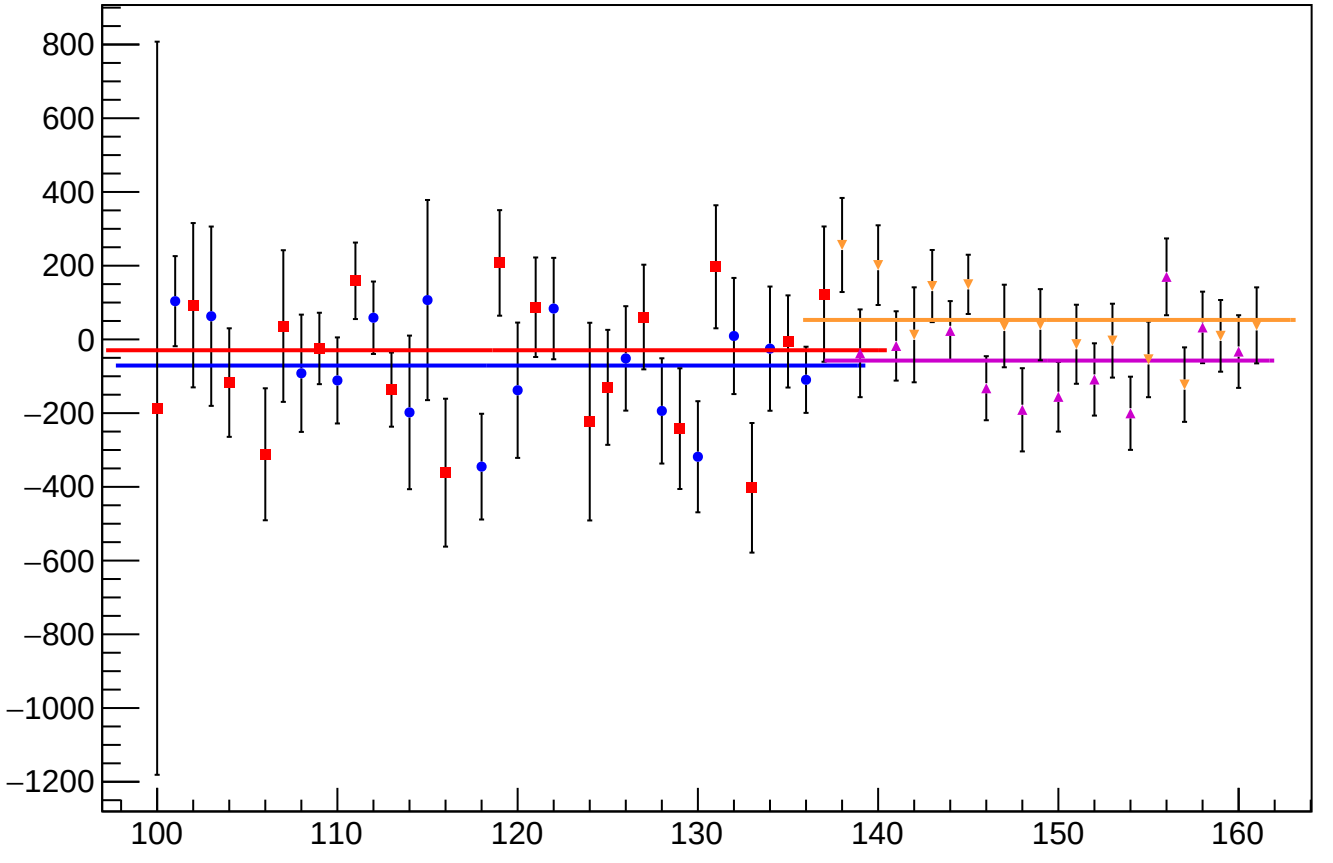
+ sign 0.000+/-0.000 χ^2/NDF: 28.1/28

All: -0.000+/-0.000 χ^2/NDF: 63.7/58

- sign -0.000+/-0.000 χ^2/NDF: 33.7/29


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
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1038292.2/12
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:527358.1/10
+ sign 0.000+/-0.000 χ²/NDF: 3632315.6/28
All: 0.000+/-0.000 χ²/NDF: 6610177.6/58
- sign 0.000+/-0.000 χ²/NDF: 2943891.8/29

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 52.834+/-28.481 χ^2/NDF:11.9/12

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

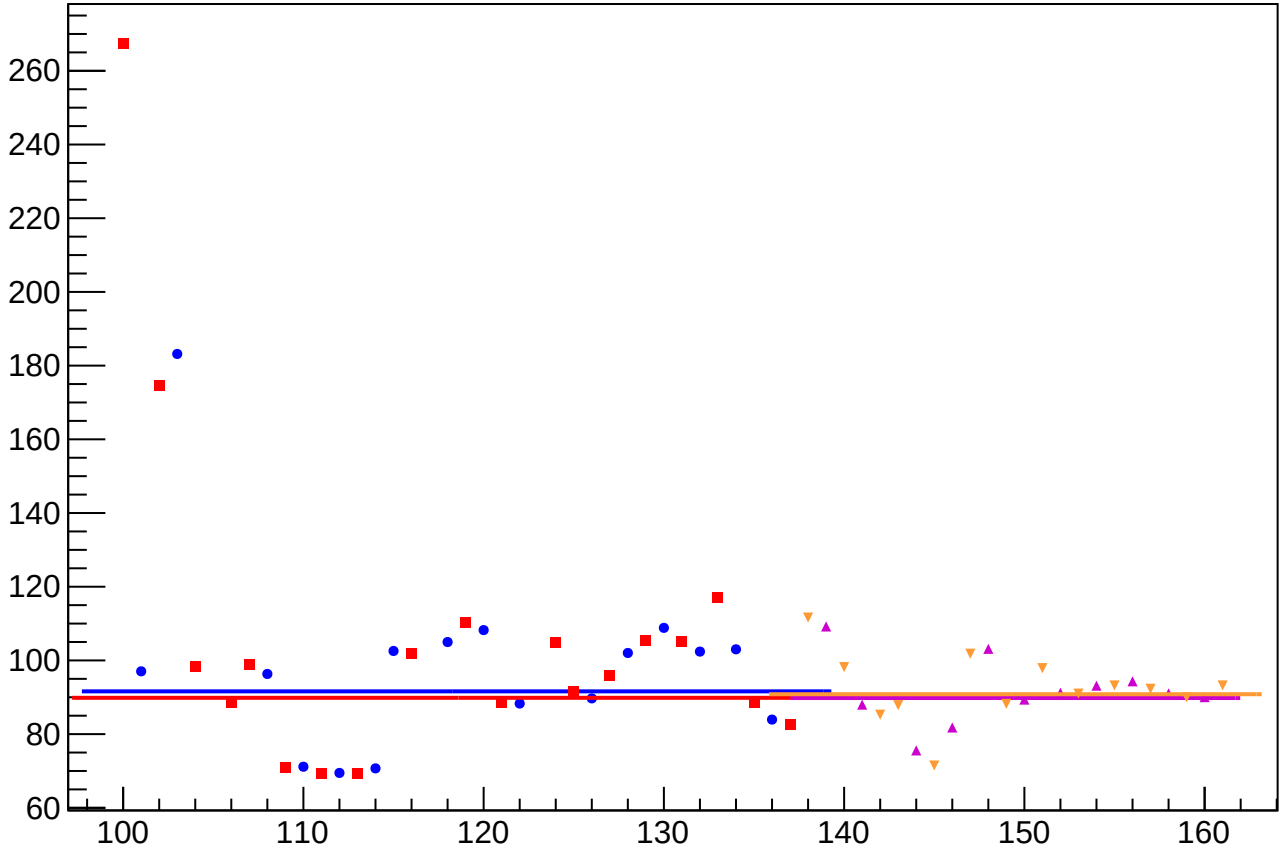
Left In: -57.421+/-29.277 χ^2/NDF:12.5/10

+ sign 3.751+/-22.122 χ^2/NDF: 33.4/28

All: -20.775+/-15.688 χ^2/NDF: 72.8/58

- sign -45.592+/-22.252 χ^2/NDF: 36.9/29

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.828+/-0.020 χ^2/NDF:216105.3/12

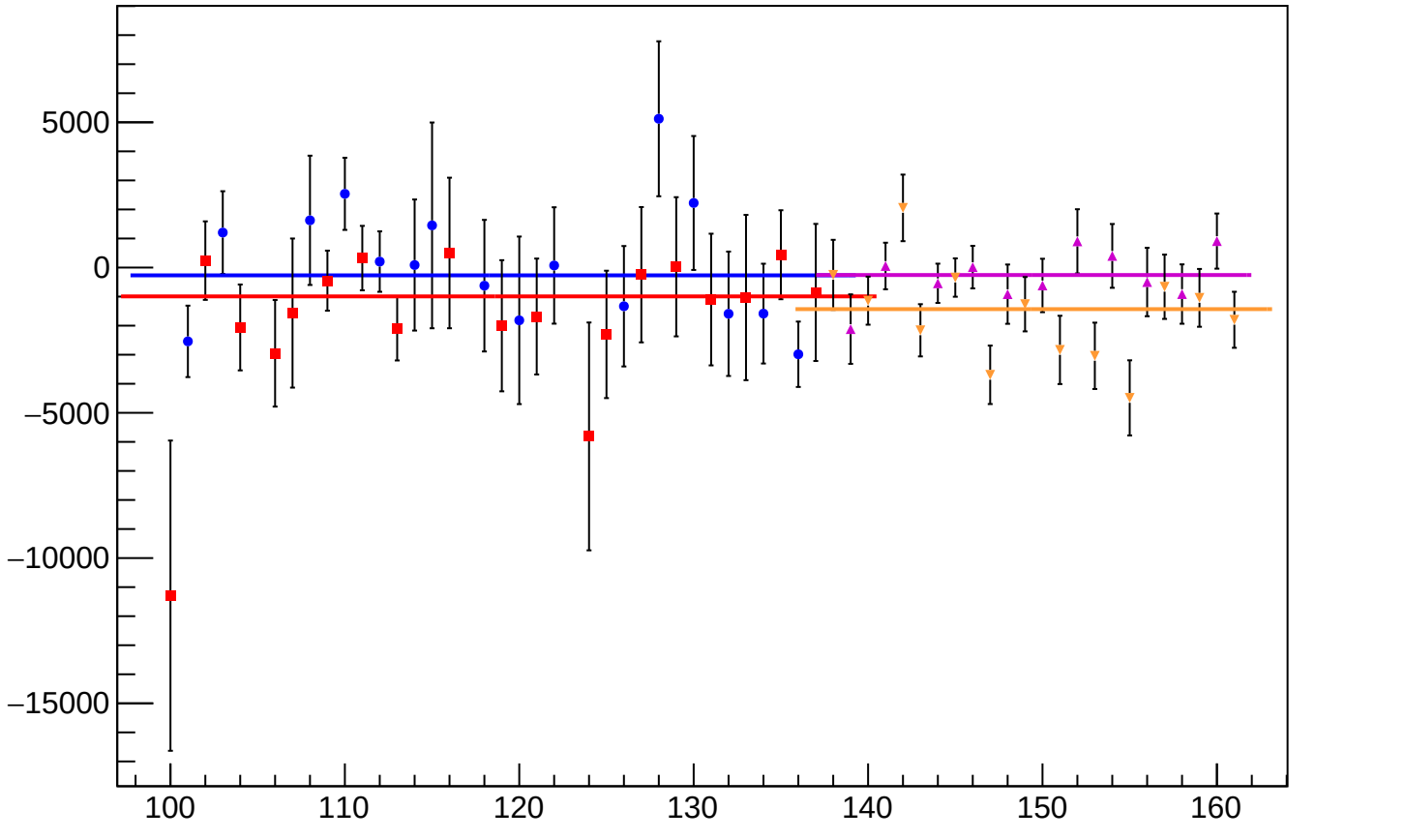
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.795+/-0.021 χ^2/NDF:167667.3/10

+ sign 91.137+/-0.016 χ^2/NDF: 797373.9/28

All: 90.483+/-0.011 χ^2/NDF: 1714856.9/58

- sign 89.820+/-0.016 χ^2/NDF: 913959.8/29



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1431.481+/-271.498 χ^2/NDF:28.5/12

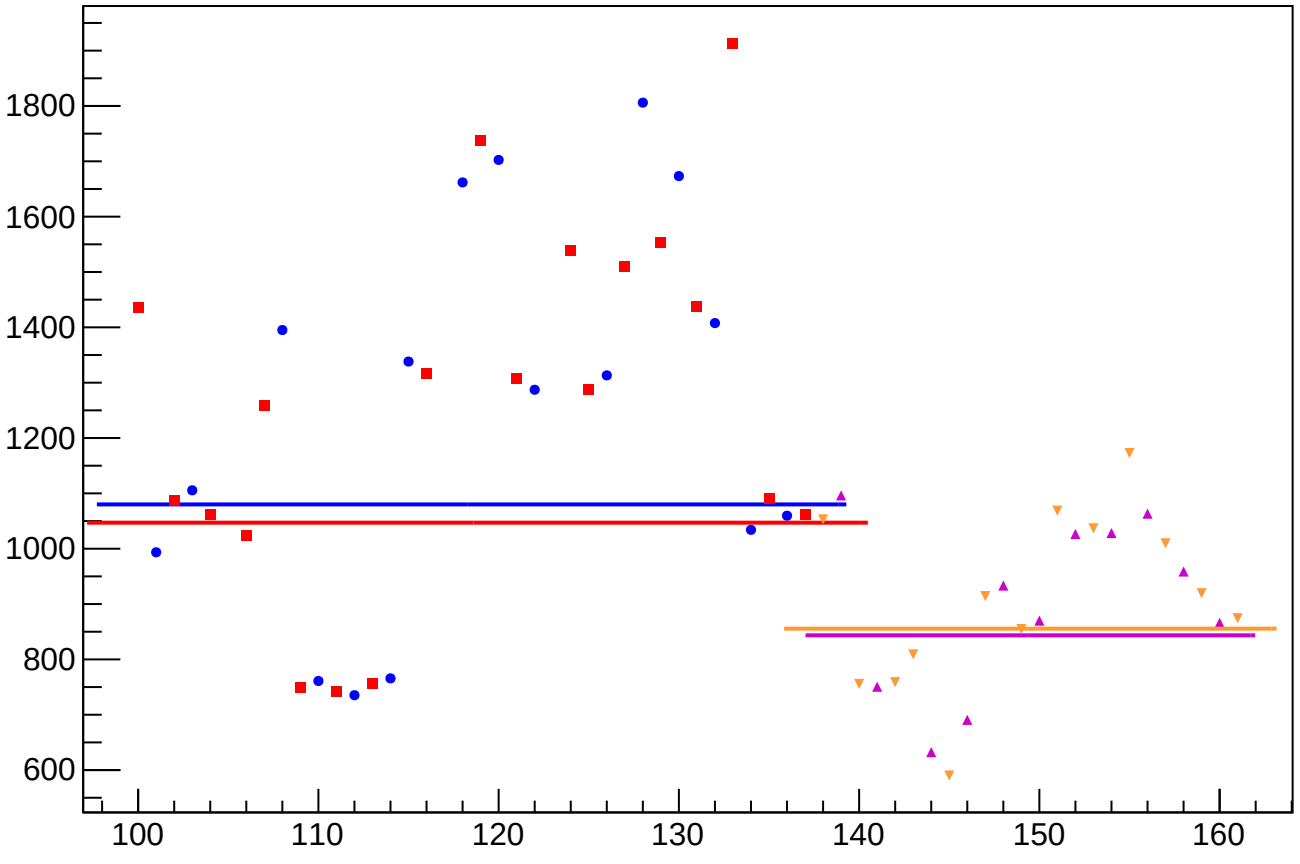
Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: -257.427+/-278.540 χ^2/NDF:6.9/10

+ sign -1088.243+/-227.940 χ^2/NDF: 57.4/28

All: -793.578+/-161.458 χ^2/NDF: 82.6/58

- sign -496.859+/-228.733 χ^2/NDF: 21.8/29



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 855.547+/-0.192 χ^2/NDF:717209.5/12

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

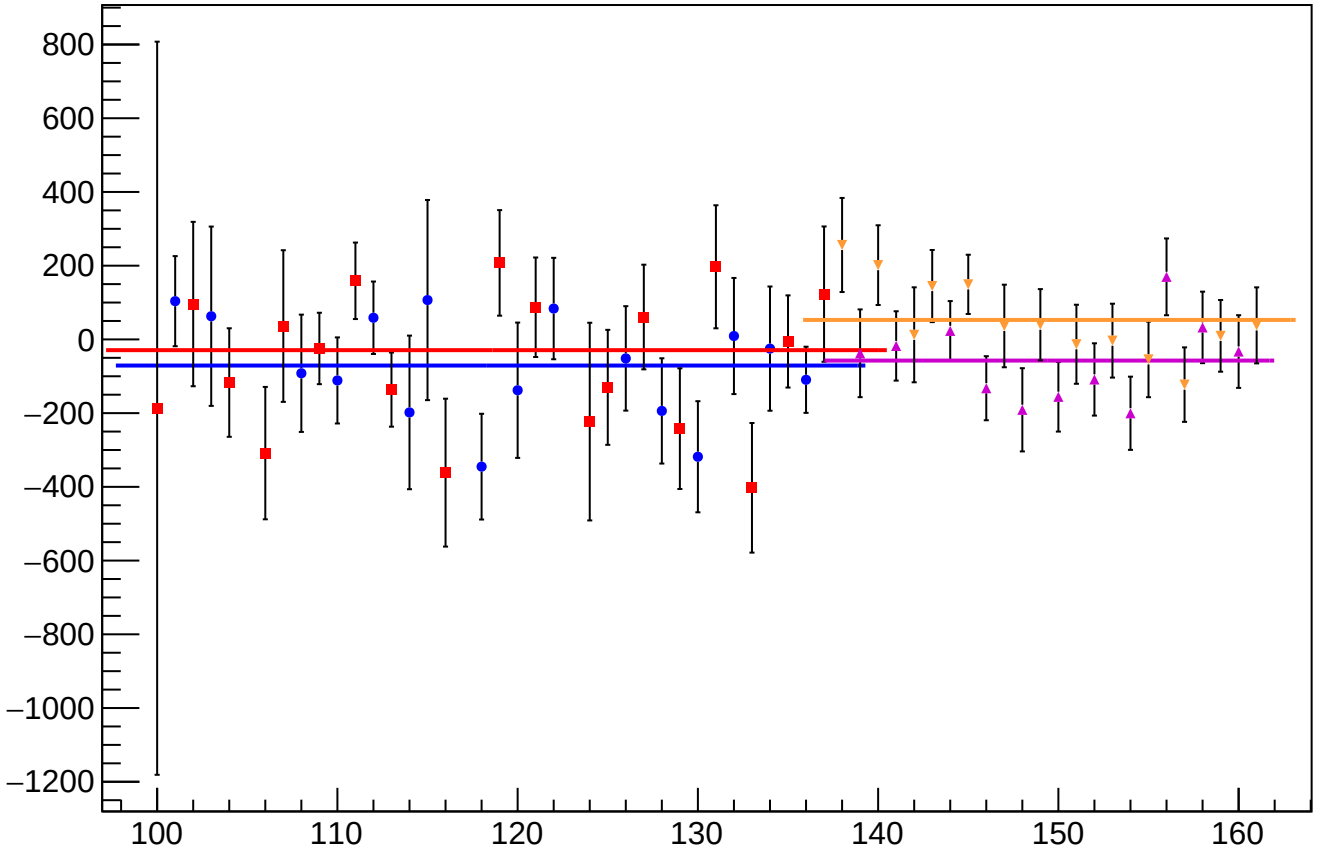
Left In: 843.528+/-0.197 χ^2/NDF:623380.0/10

\+ sign 921.804+/-0.161 χ^2/NDF: 2174264.5/28

All: 915.828+/-0.114 χ^2/NDF: 4346830.8/58

\- sign 909.811+/-0.162 χ^2/NDF: 2169807.4/29

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 52.836+/-28.481 χ^2/NDF:11.9/12

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

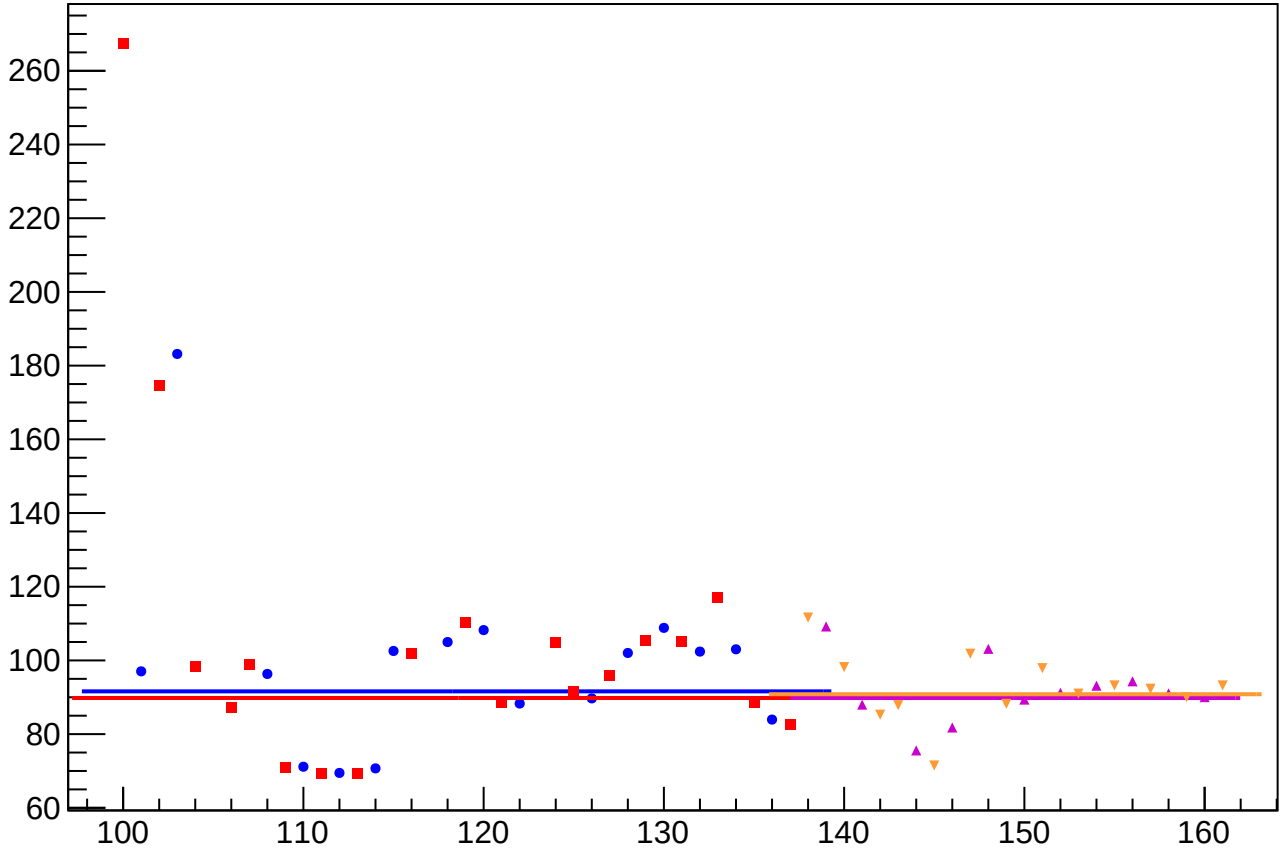
Left In: -57.425+/-29.277 χ^2/NDF:12.4/10

+ sign 3.747+/-22.122 χ^2/NDF: 33.4/28

All: -20.725+/-15.689 χ^2/NDF: 72.7/58

- sign -45.490+/-22.254 χ^2/NDF: 36.8/29

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.828+/-0.020 χ^2/NDF:216105.3/12

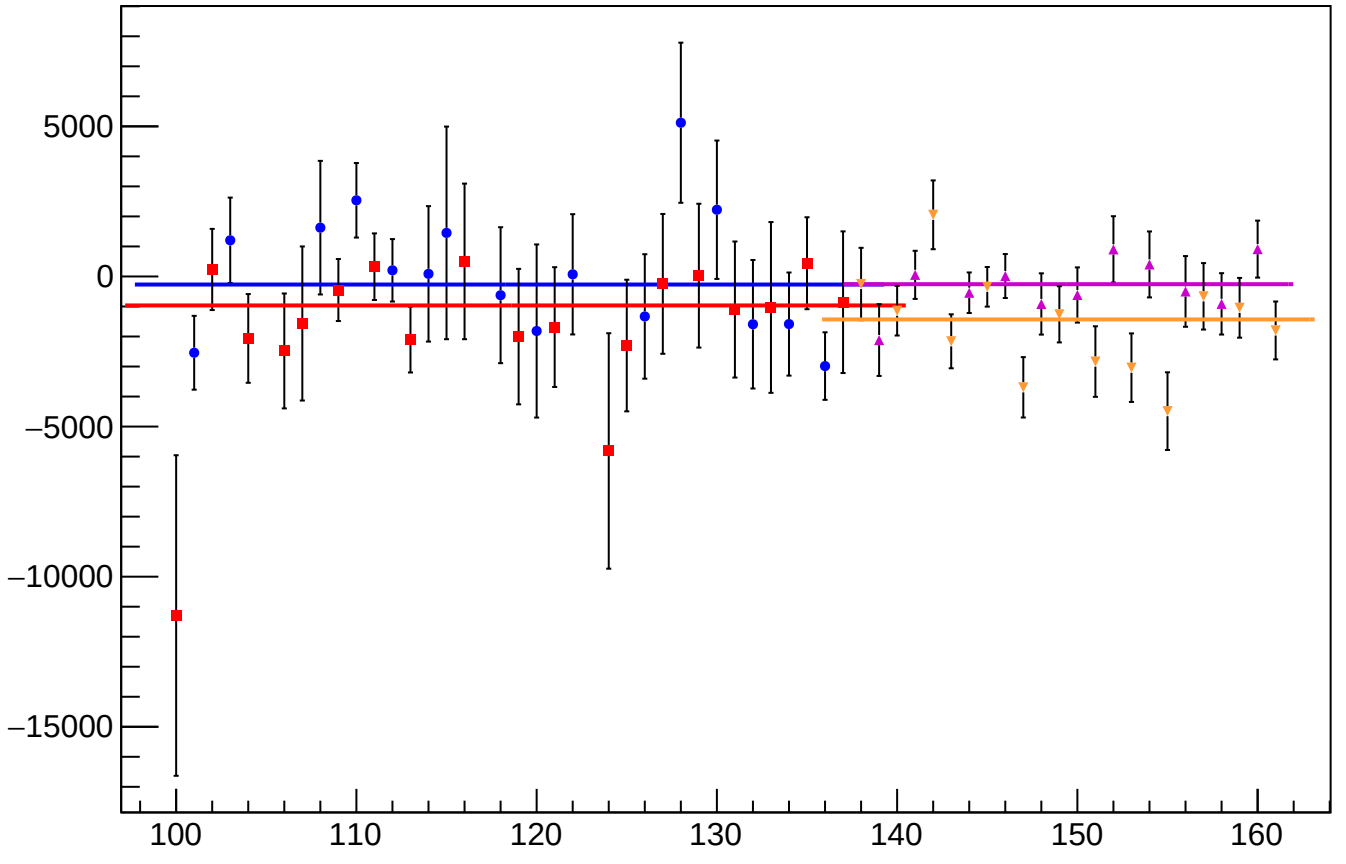
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.795+/-0.021 χ^2/NDF:167667.3/10

+ sign 91.137+/-0.016 χ^2/NDF: 797377.0/28

All: 90.473+/-0.011 χ^2/NDF: 1715508.8/58

- sign 89.800+/-0.016 χ^2/NDF: 914500.8/29



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1431.480+/-271.498 χ^2/NDF:28.5/12

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

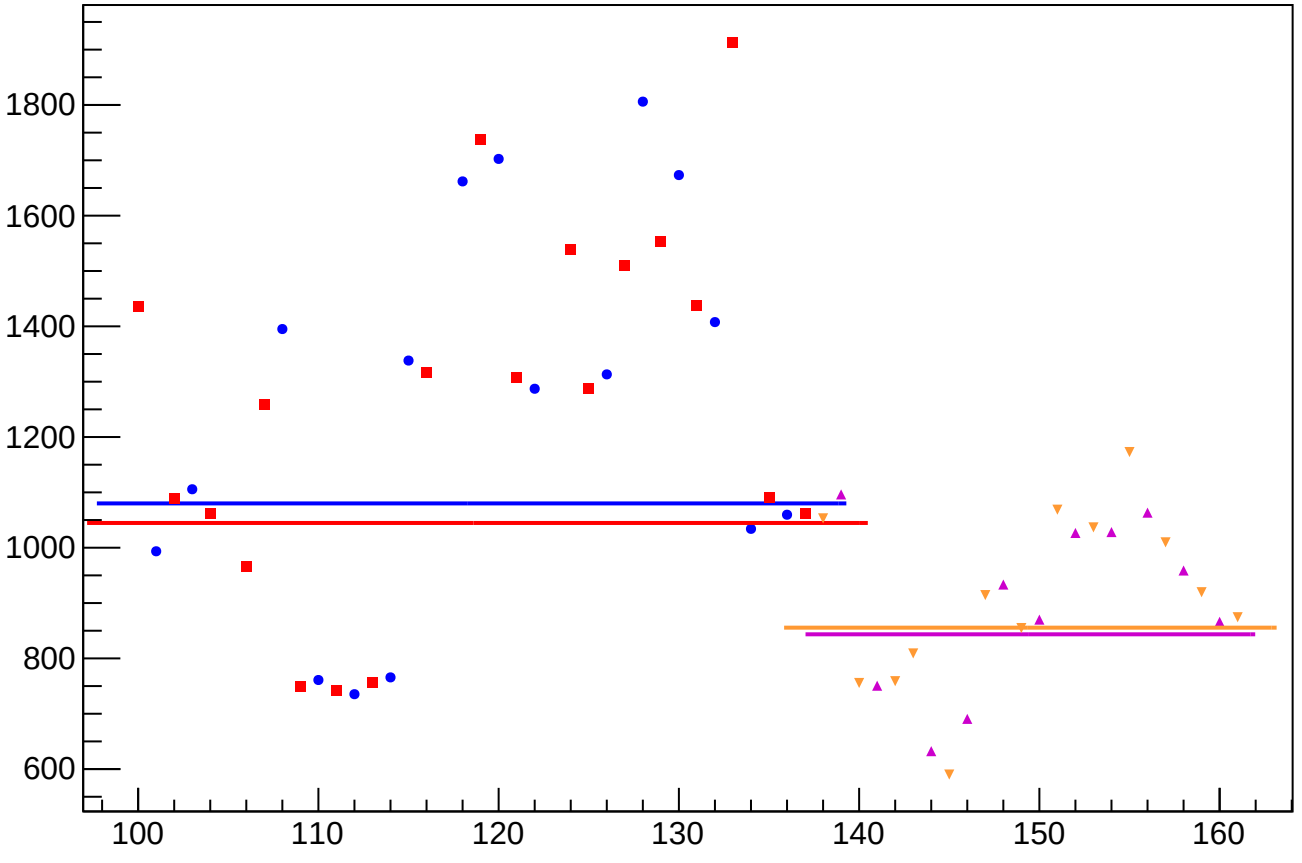
Left In: -257.435+/-278.540 χ^2/NDF:6.9/10

+ sign -1088.252+/-227.941 χ^2/NDF: 57.4/28

All: -788.978+/-161.511 χ^2/NDF: 82.0/58

- sign -487.224+/-228.883 χ^2/NDF: 21.1/29

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 855.547+/-0.192 χ^2/NDF:717212.3/12

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

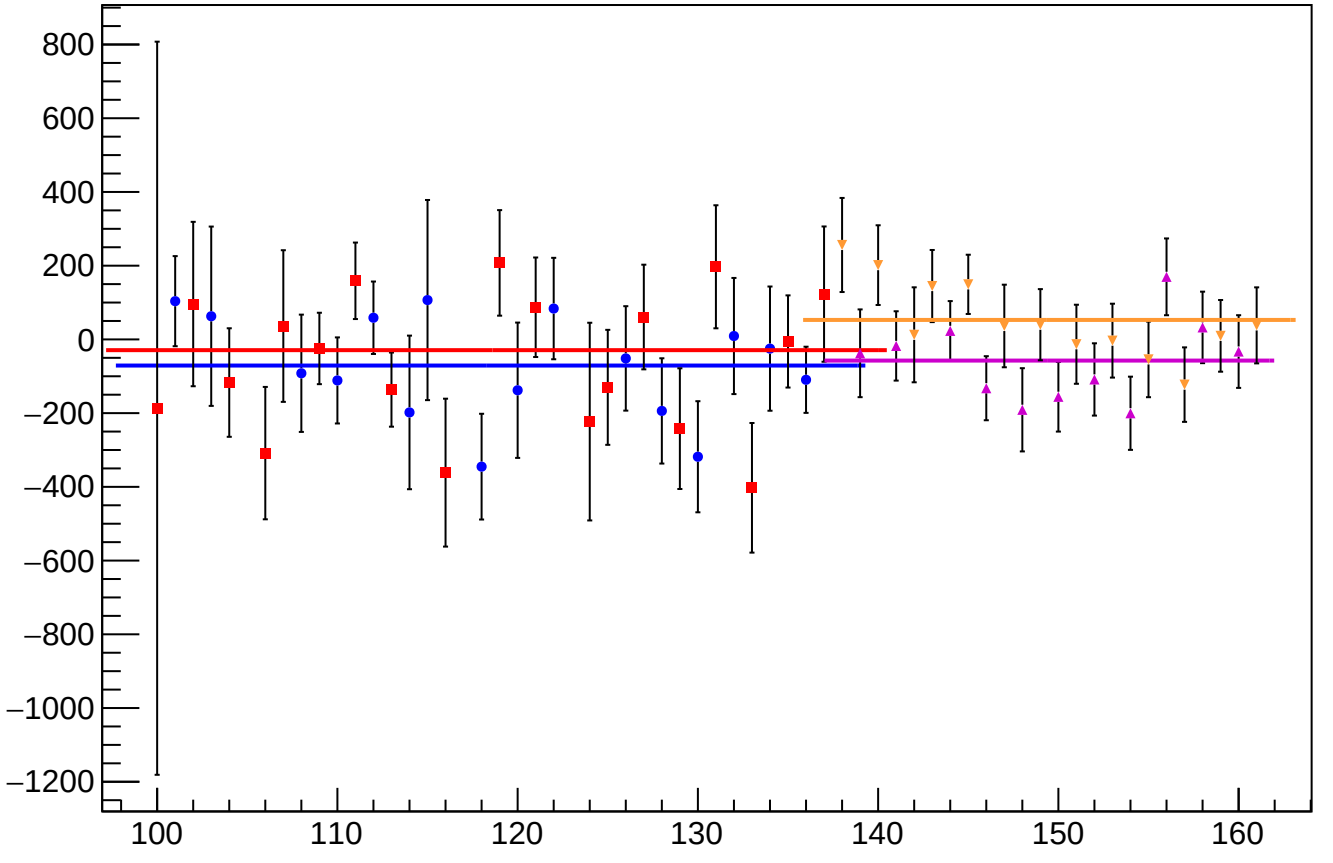
Left In: 843.528+/-0.197 χ^2/NDF:623378.3/10

+ sign 921.806+/-0.161 χ^2/NDF: 2174300.9/28

All: 915.363+/-0.114 χ^2/NDF: 4341583.9/58

- sign 908.867+/-0.162 χ^2/NDF: 2164074.3/29

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 52.836+/-28.481 χ^2/NDF:11.9/12

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

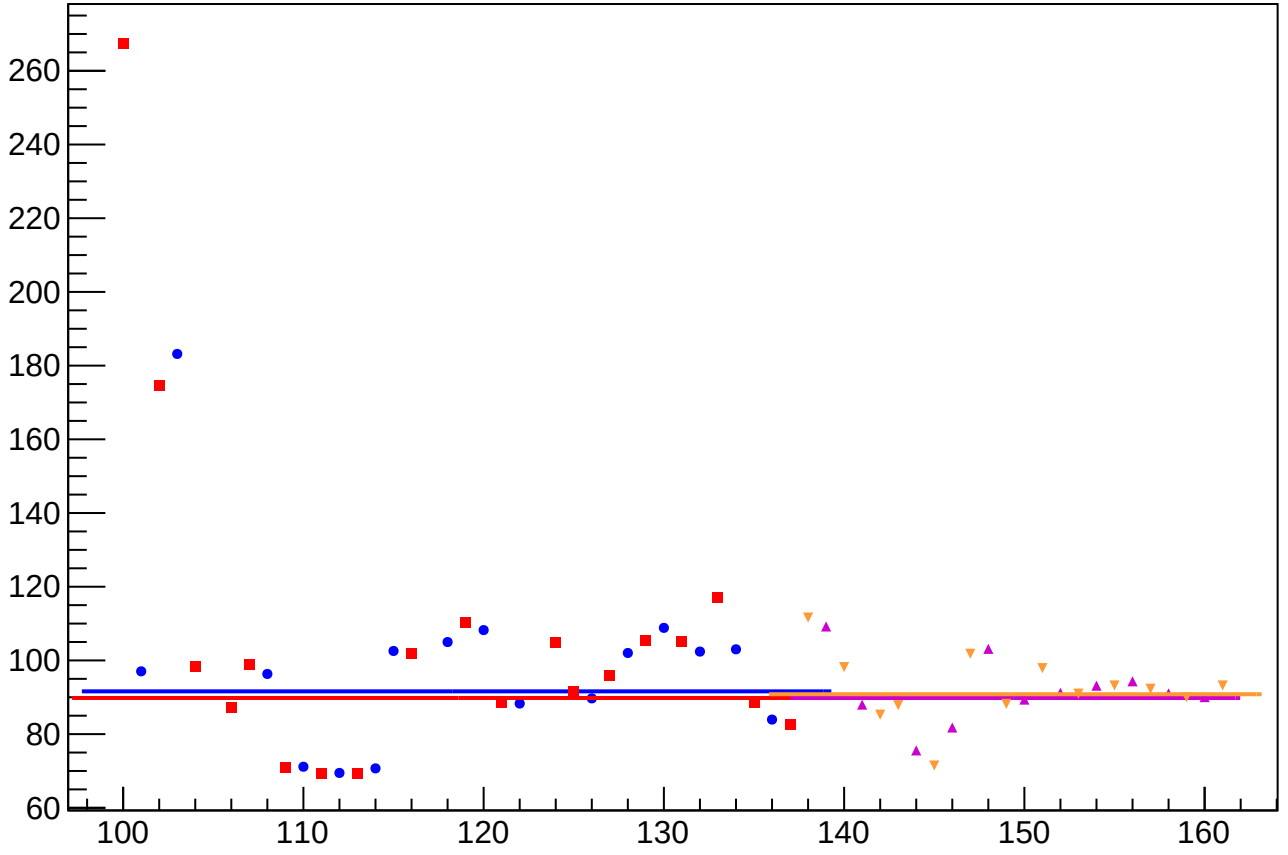
Left In: -57.425+/-29.277 χ^2/NDF:12.4/10

+ sign 3.747+/-22.122 χ^2/NDF: 33.4/28

All: -20.725+/-15.689 χ^2/NDF: 72.7/58

- sign -45.490+/-22.254 χ^2/NDF: 36.8/29

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.828+/-0.020 χ^2/NDF:216105.3/12

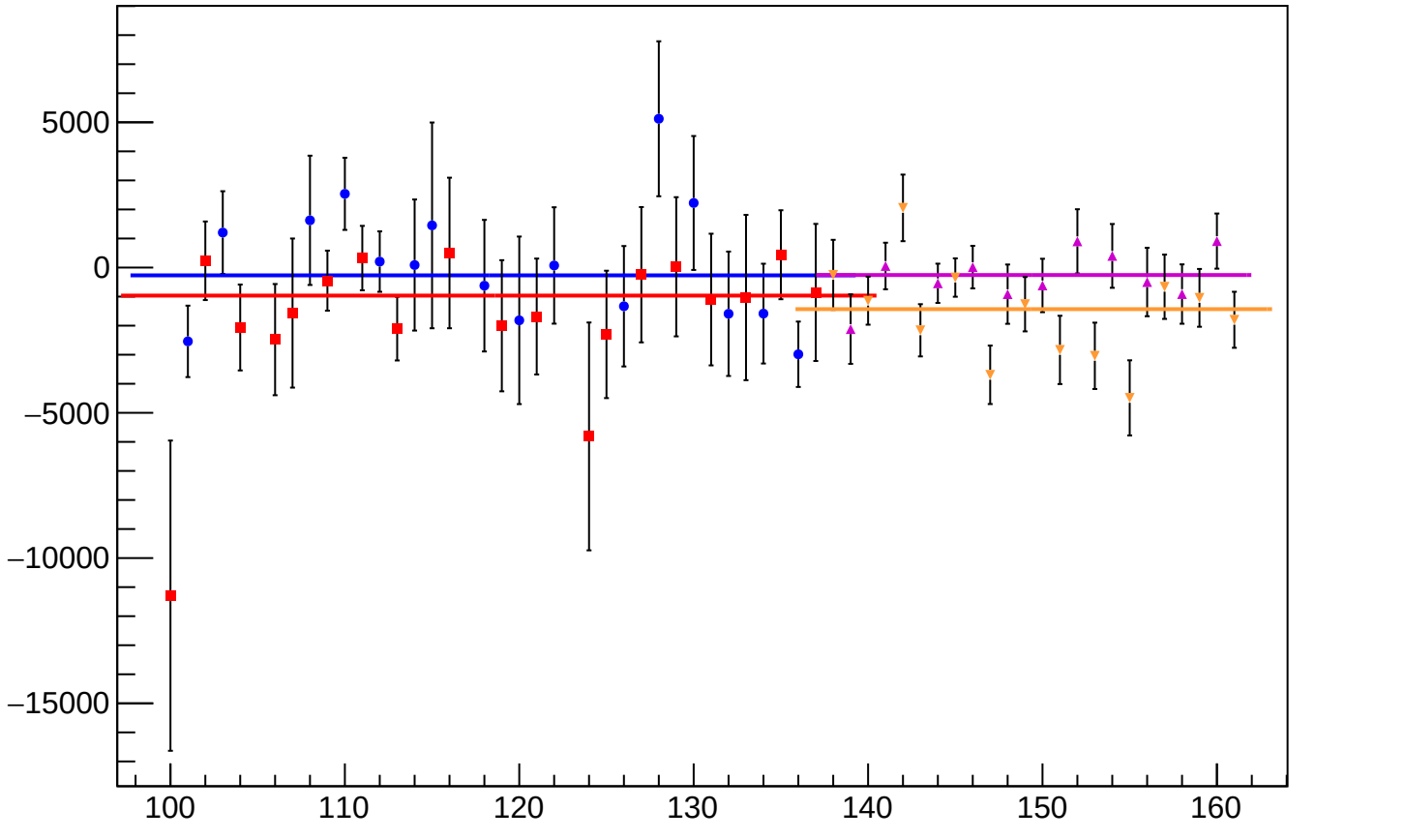
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.795+/-0.021 χ^2/NDF:167667.3/10

+ sign 91.137+/-0.016 χ^2/NDF: 797377.0/28

All: 90.473+/-0.011 χ^2/NDF: 1715508.8/58

- sign 89.800+/-0.016 χ^2/NDF: 914500.8/29



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1431.480+/-271.498 χ^2/NDF:28.5/12

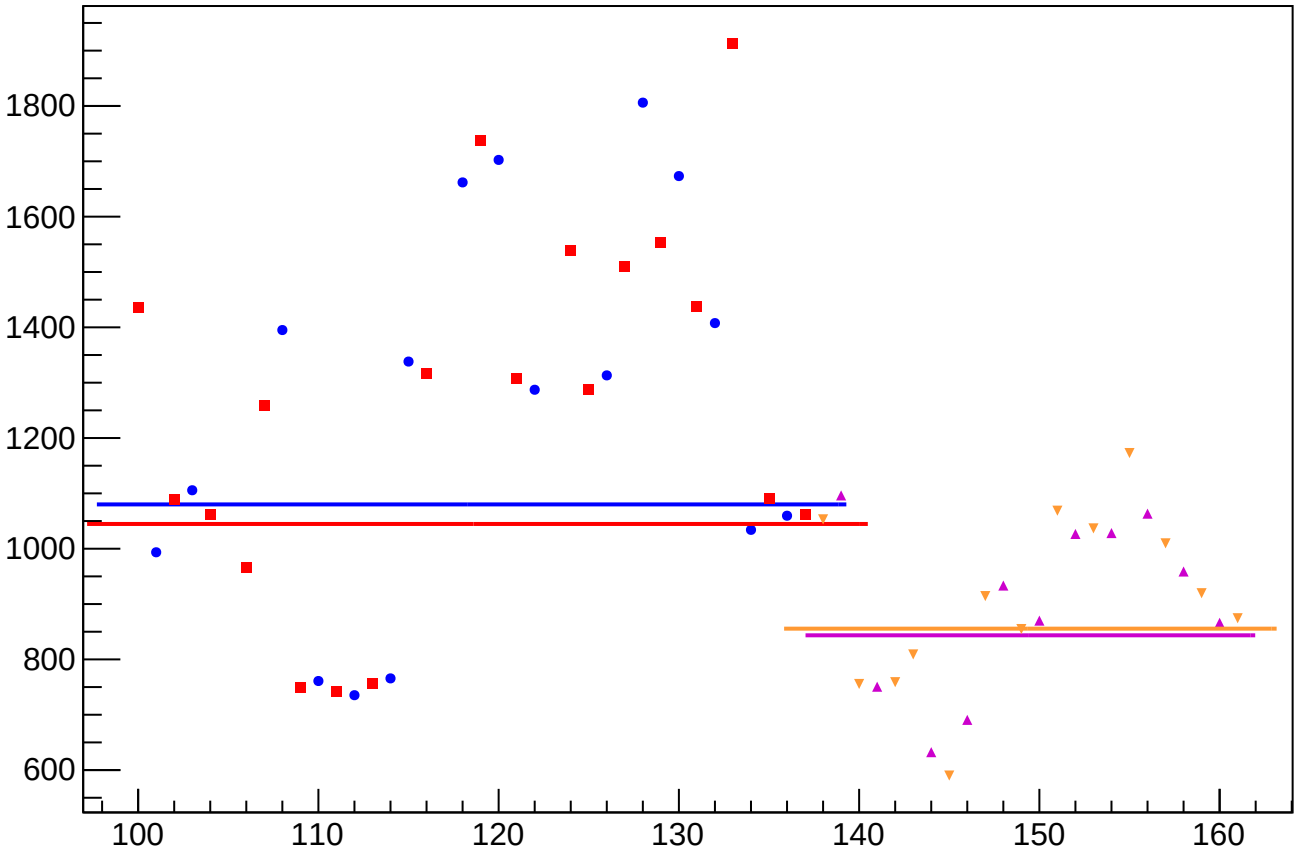
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -257.435+/-278.540 χ^2/NDF:6.9/10

+ sign -1088.252+/-227.941 χ^2/NDF: 57.4/28

All: -788.978+/-161.511 χ^2/NDF: 82.0/58

- sign -487.224+/-228.883 χ^2/NDF: 21.1/29



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 855.547+/-0.192 χ^2/NDF:717212.3/12

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

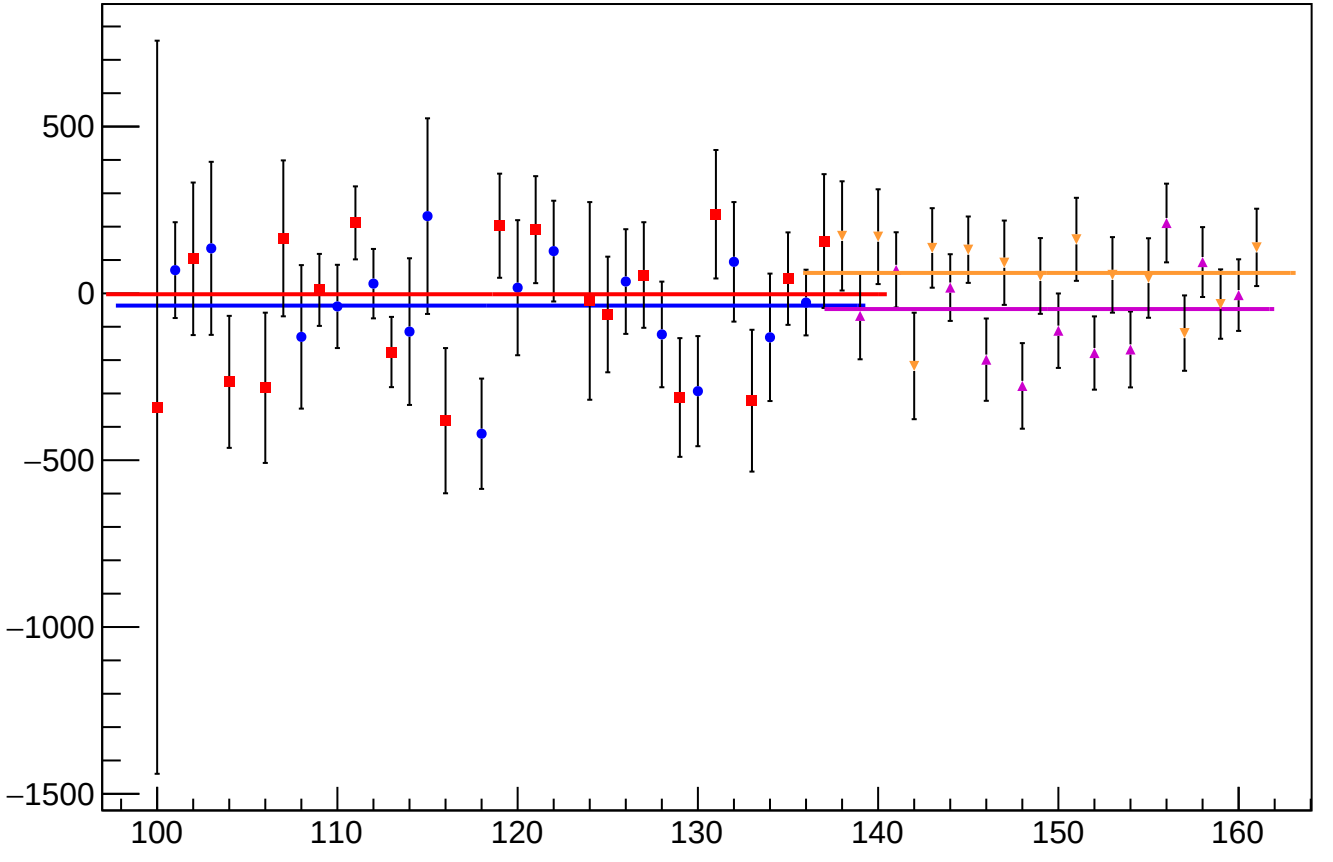
Left In: 843.528+/-0.197 χ^2/NDF:623378.3/10

+ sign 921.806+/-0.161 χ^2/NDF: 2174300.9/28

All: 915.363+/-0.114 χ^2/NDF: 4341583.9/58

- sign 908.867+/-0.162 χ^2/NDF: 2164074.3/29

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 61.333+/-33.408 χ^2/NDF:9.5/12

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

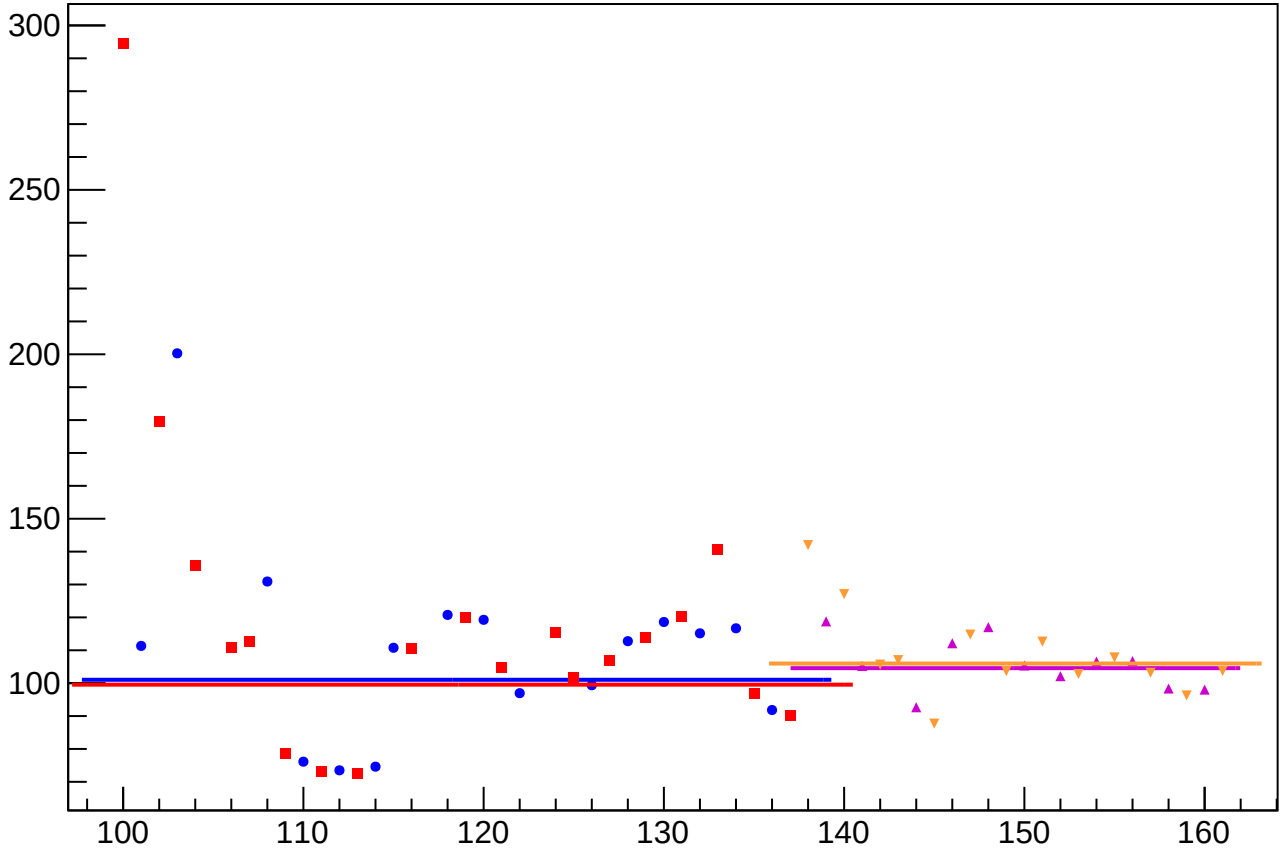
Left In: -46.936+/-34.212 χ^2/NDF:15.9/10

+ sign 19.878+/-25.369 χ^2/NDF: 26.0/28

All: -3.547+/-17.976 χ^2/NDF: 69.2/58

- sign -27.168+/-25.475 χ^2/NDF: 41.4/29

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 105.974+/-0.024 χ^2/NDF:246304.7/12

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

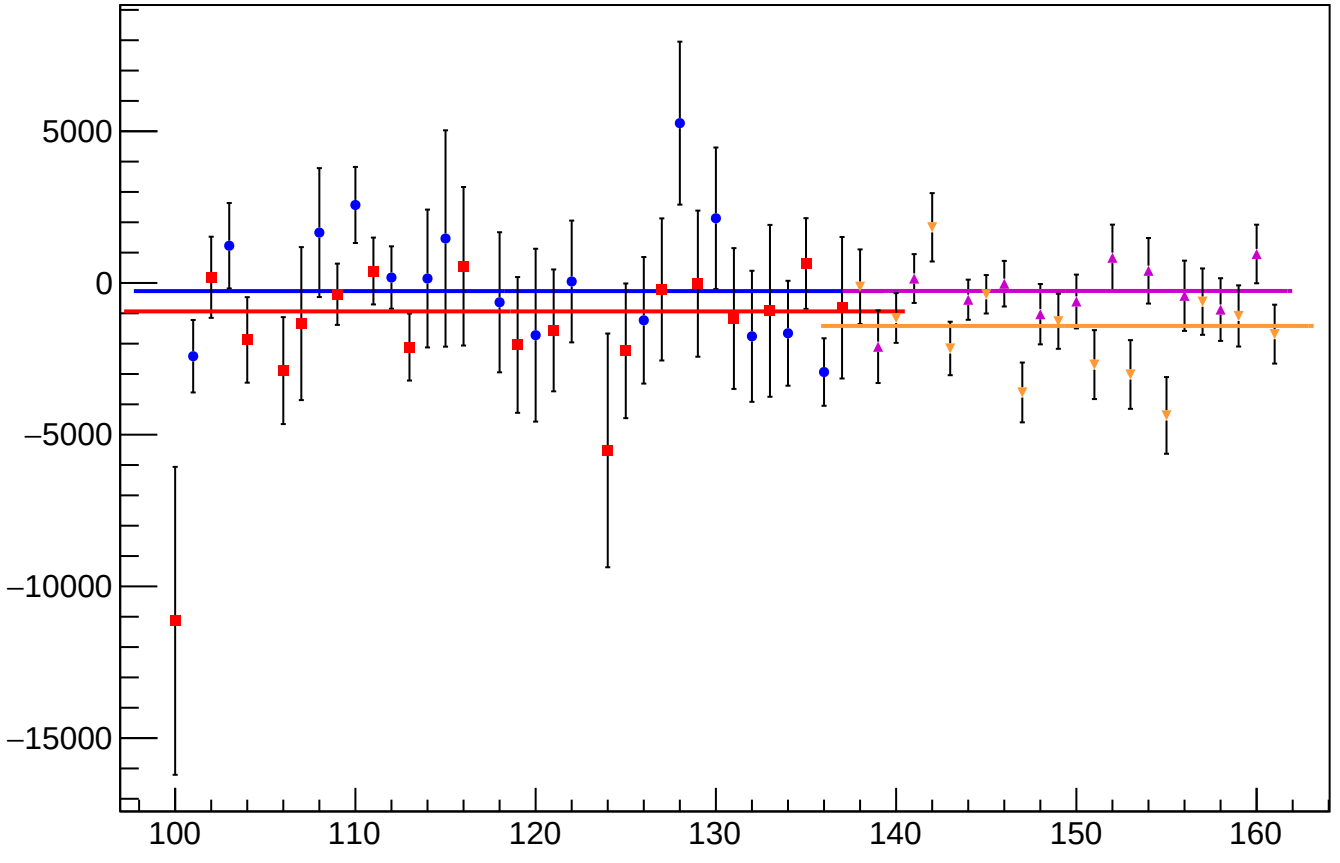
Left In: 104.565+/-0.024 χ^2/NDF:95415.7/10

\+ sign 103.881+/-0.018 χ^2/NDF: 980931.5/28

All: 103.108+/-0.013 χ^2/NDF: 1979739.6/58

\- sign 102.329+/-0.018 χ^2/NDF: 995080.5/29

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1416.002+/-267.081 χ^2/NDF:27.3/12

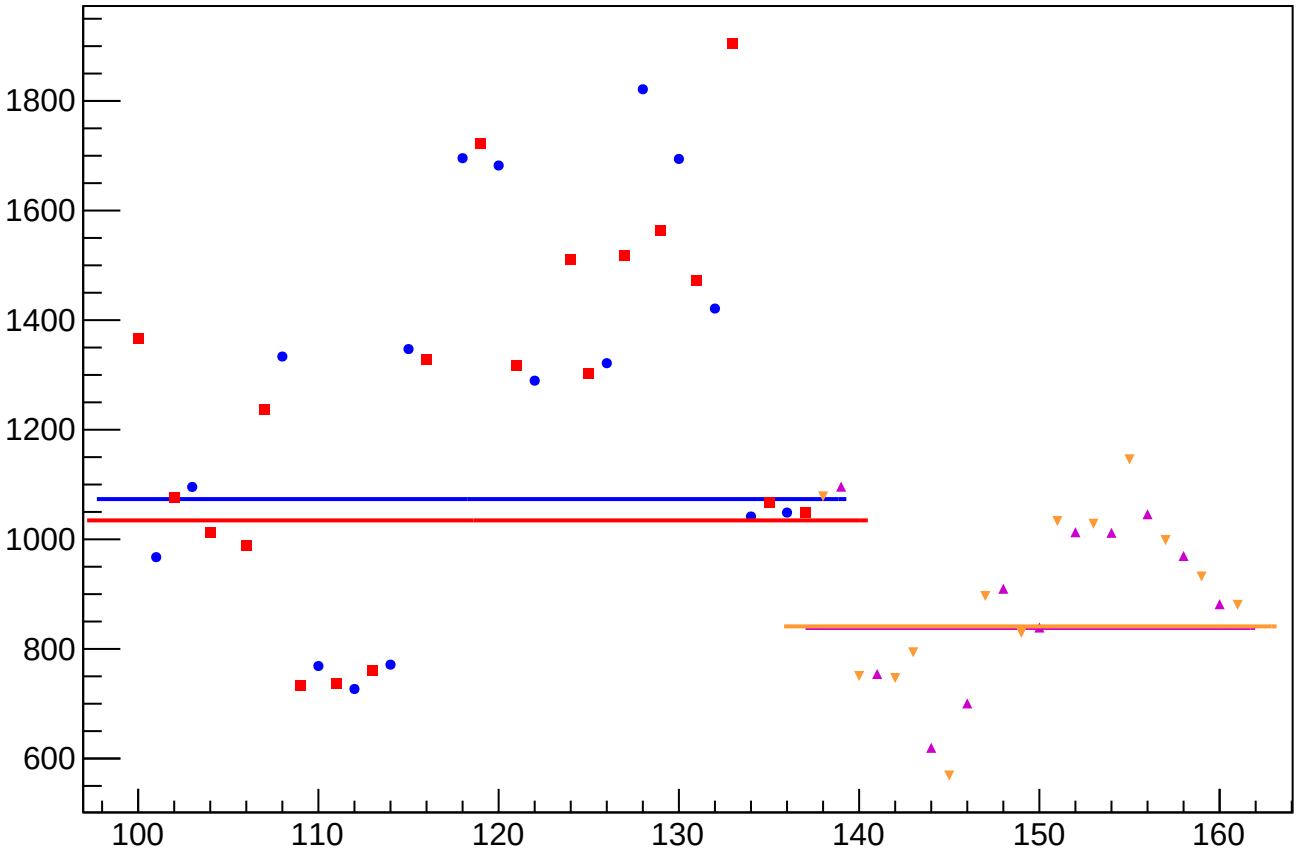
Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: -263.237+/-276.911 χ^2/NDF:7.0/10

+ sign -1082.096+/-224.915 χ^2/NDF: 56.2/28

All: -785.894+/-159.763 χ^2/NDF: 81.8/58

- sign -484.237+/-226.976 χ^2/NDF: 22.1/29



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 841.127+/-0.189 χ^2/NDF:783350.2/12

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

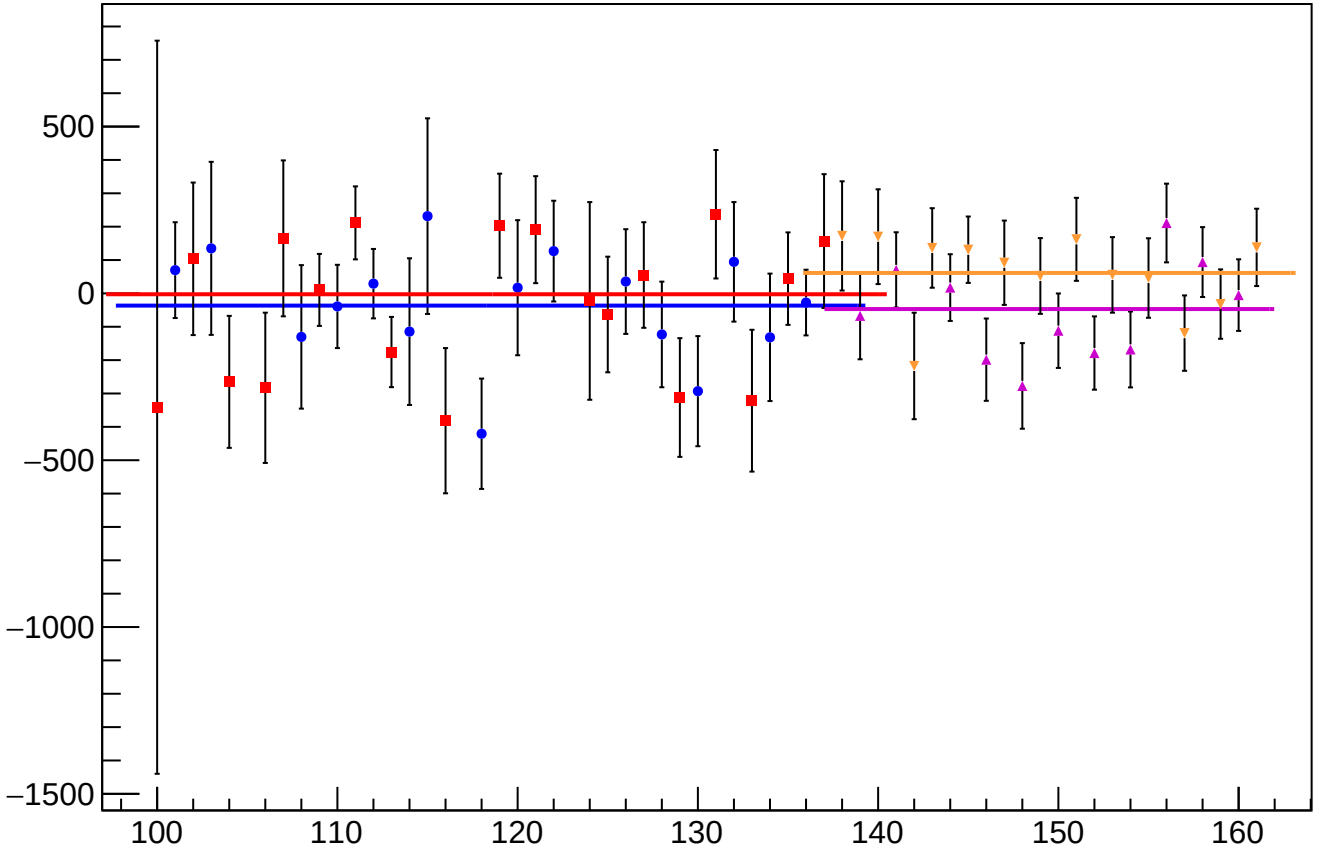
Left In: 838.273+/-0.196 χ^2/NDF:614690.6/10

+ sign 908.695+/-0.159 χ^2/NDF: 2300541.6/28

All: 905.712+/-0.113 χ^2/NDF: 4474955.8/58

- sign 902.674+/-0.160 χ^2/NDF: 2173704.1/29

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 61.335+/-33.408 χ^2/NDF:9.5/12

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

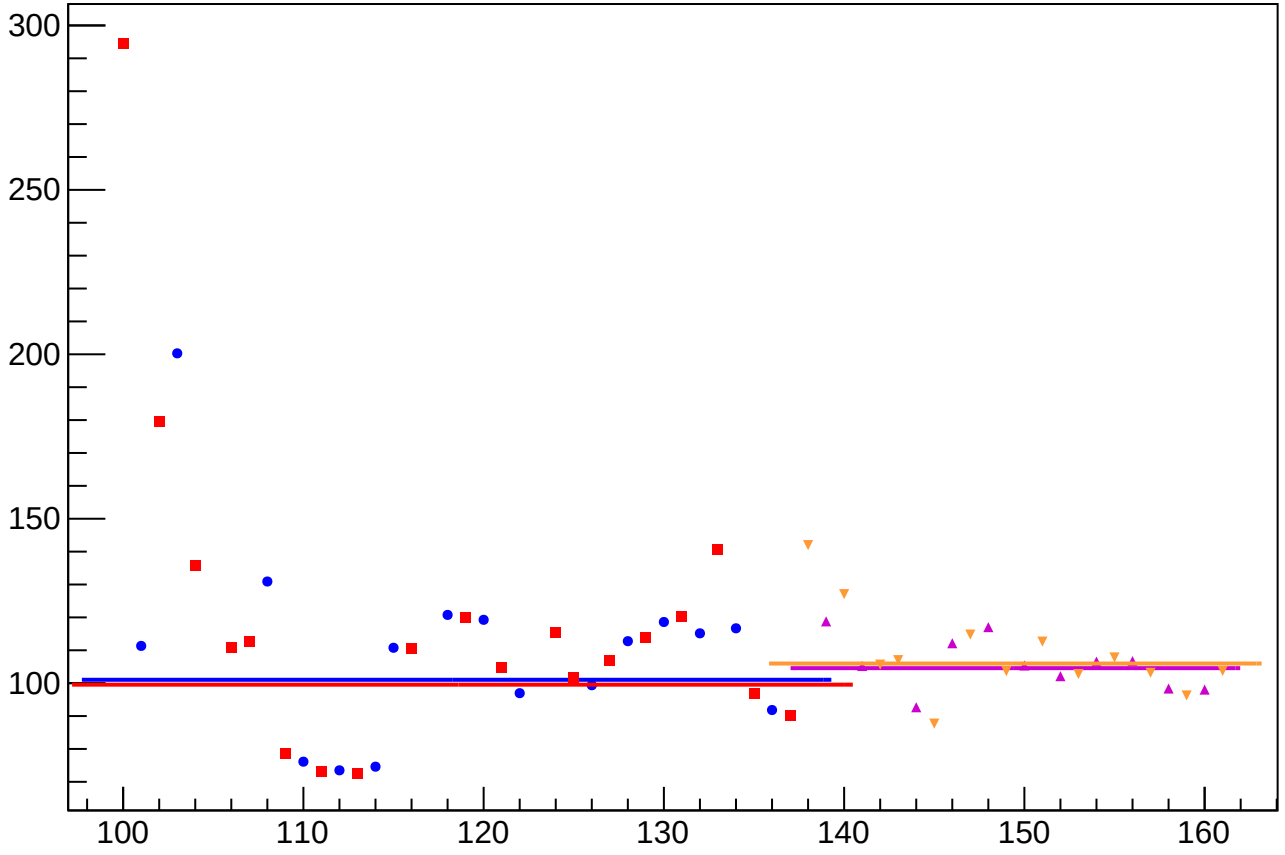
Left In: -46.936+/-34.213 χ^2/NDF:15.9/10

+ sign 19.879+/-25.369 χ^2/NDF: 26.0/28

All: -3.546+/-17.976 χ^2/NDF: 69.2/58

- sign -27.167+/-25.475 χ^2/NDF: 41.4/29

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 105.974+/-0.024 χ^2/NDF:246299.7/12

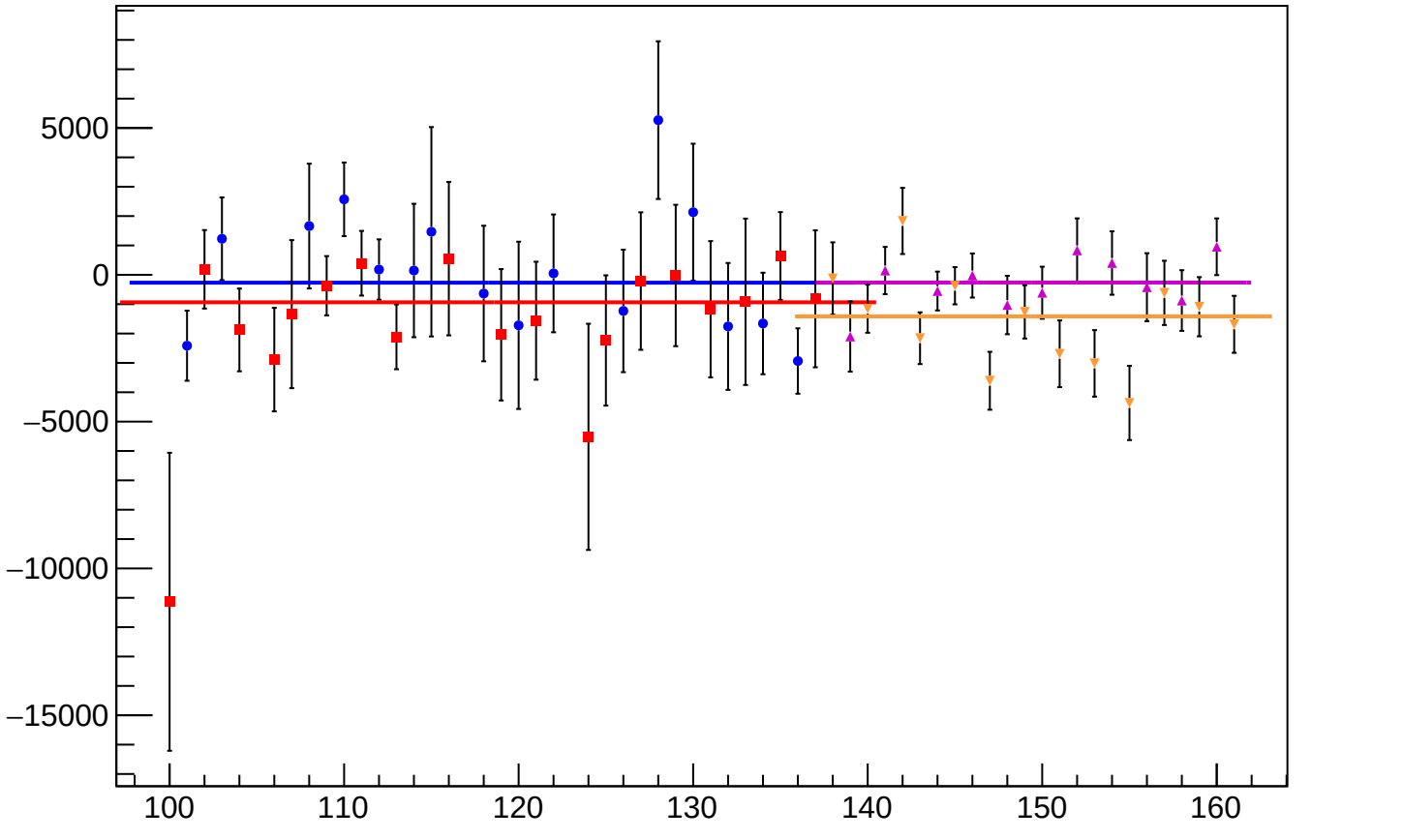
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 104.565+/-0.024 χ^2/NDF:95414.9/10

+ sign 103.882+/-0.018 χ^2/NDF: 980927.3/28

All: 103.109+/-0.013 χ^2/NDF: 1979738.6/58

- sign 102.329+/-0.018 χ^2/NDF: 995083.4/29



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1416.000+/-267.081 χ^2/NDF:27.3/12

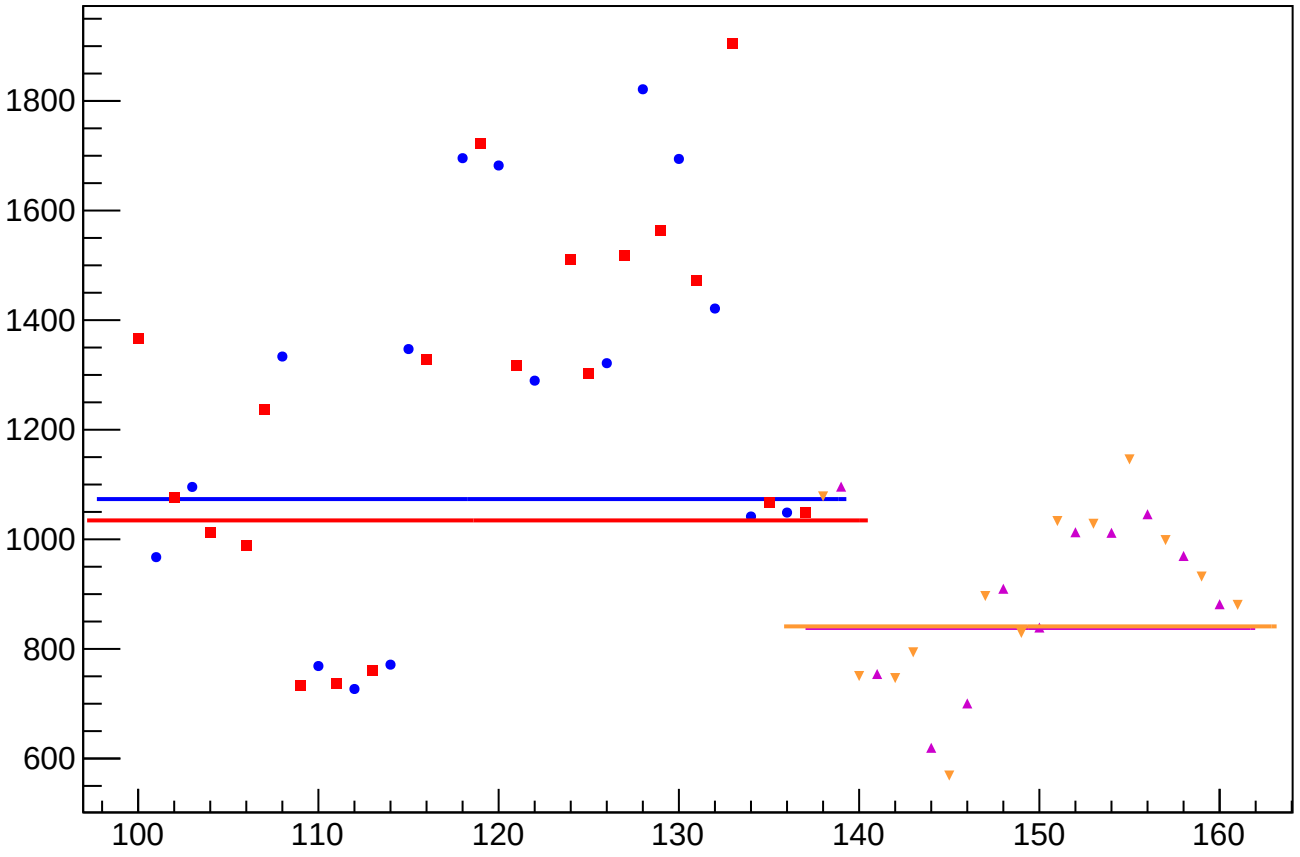
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -263.236+/-276.911 χ^2/NDF:7.0/10

+ sign -1082.095+/-224.915 χ^2/NDF: 56.2/28

All: -785.892+/-159.763 χ^2/NDF: 81.8/58

- sign -484.236+/-226.976 χ^2/NDF: 22.1/29



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 841.126+/-0.189 χ^2/NDF:783353.1/12

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

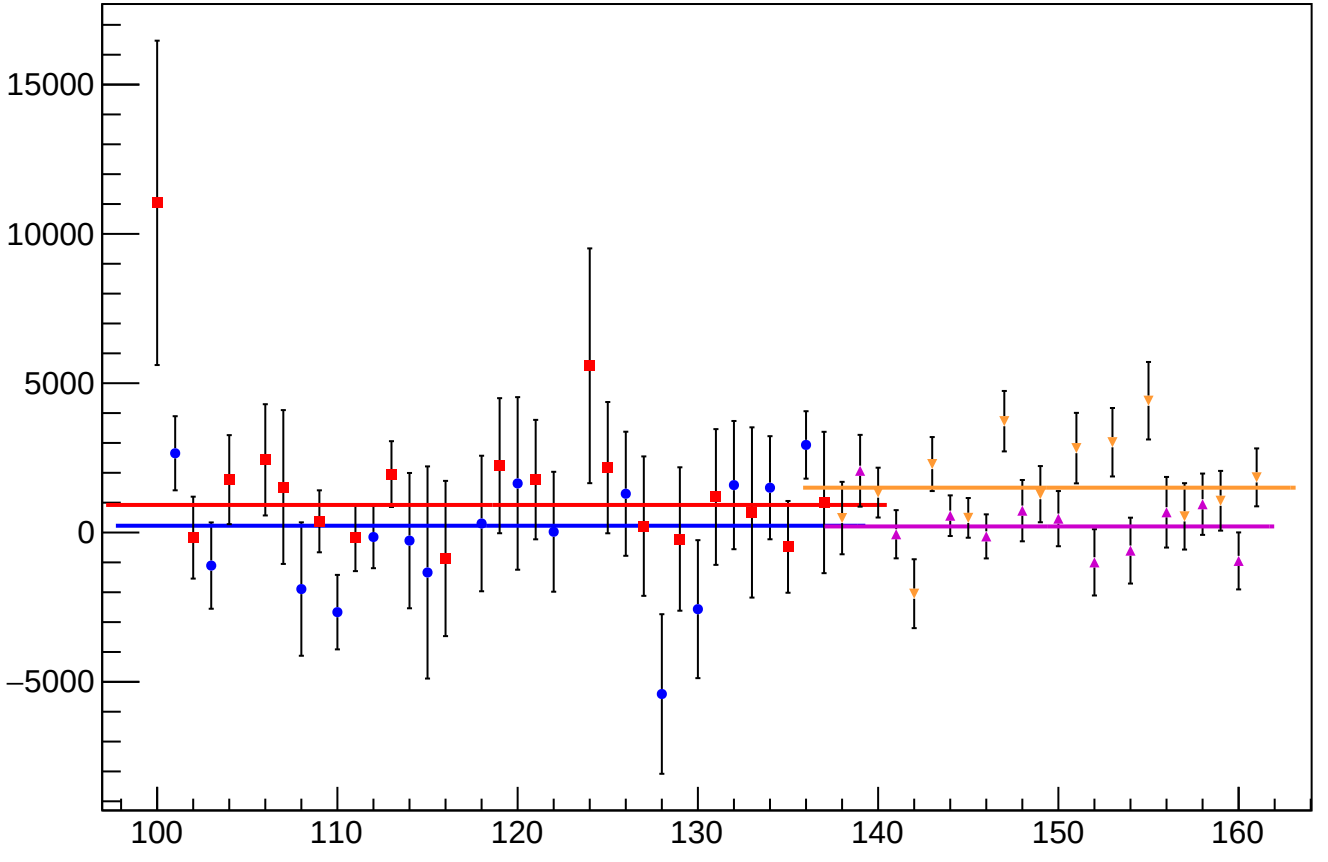
Left In: 838.272+/-0.196 χ^2/NDF:614689.3/10

+ sign 908.693+/-0.159 χ^2/NDF: 2300549.3/28

All: 905.711+/-0.113 χ^2/NDF: 4474963.2/58

- sign 902.673+/-0.160 χ^2/NDF: 2173703.8/29

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1501.705+/-273.128 χ^2/NDF:27.3/12

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

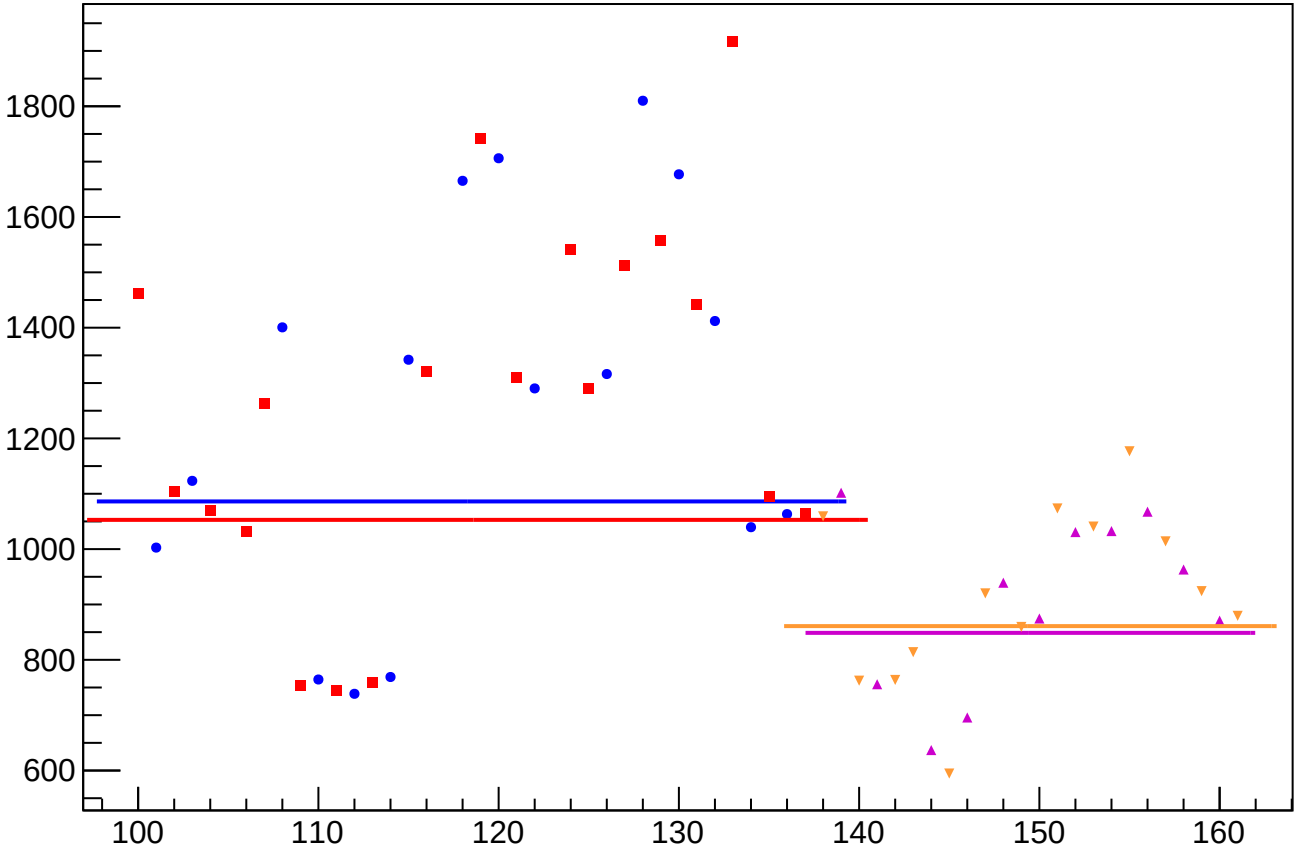
Left In: 203.717+/-280.185 χ^2/NDF:7.2/10

+ sign 1125.321+/-229.267 χ^2/NDF: 58.2/28

All: 782.975+/-162.399 χ^2/NDF: 83.2/58

- sign 438.233+/-230.068 χ^2/NDF: 20.5/29

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 860.896+/-0.193 χ^2/NDF:707967.9/12

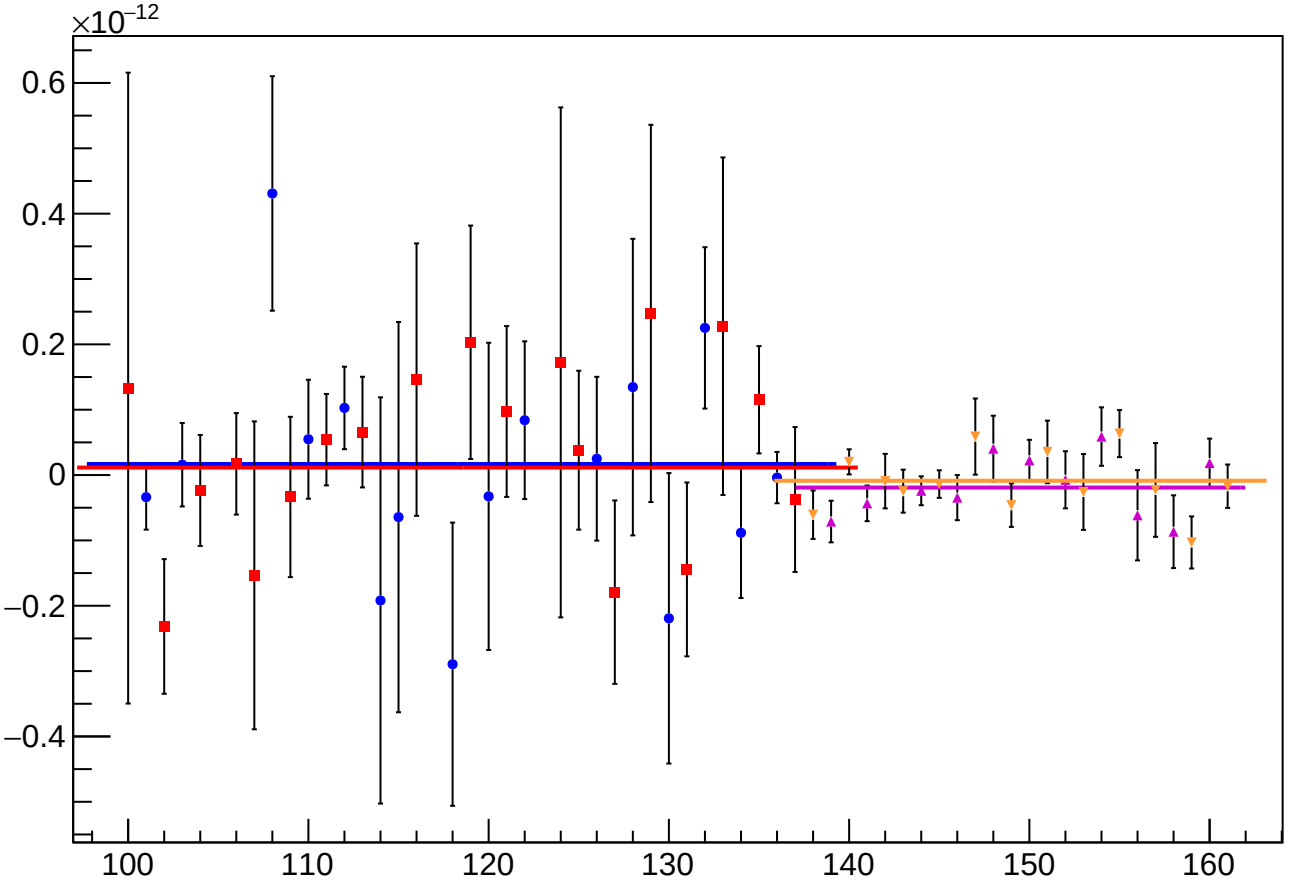
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 848.710+/-0.198 χ^2/NDF:615563.0/10

+ sign 927.429+/-0.162 χ^2/NDF: 2157225.7/28

All: 921.337+/-0.115 χ^2/NDF: 4315822.5/58

- sign 915.202+/-0.163 χ^2/NDF: 2155762.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.8/12

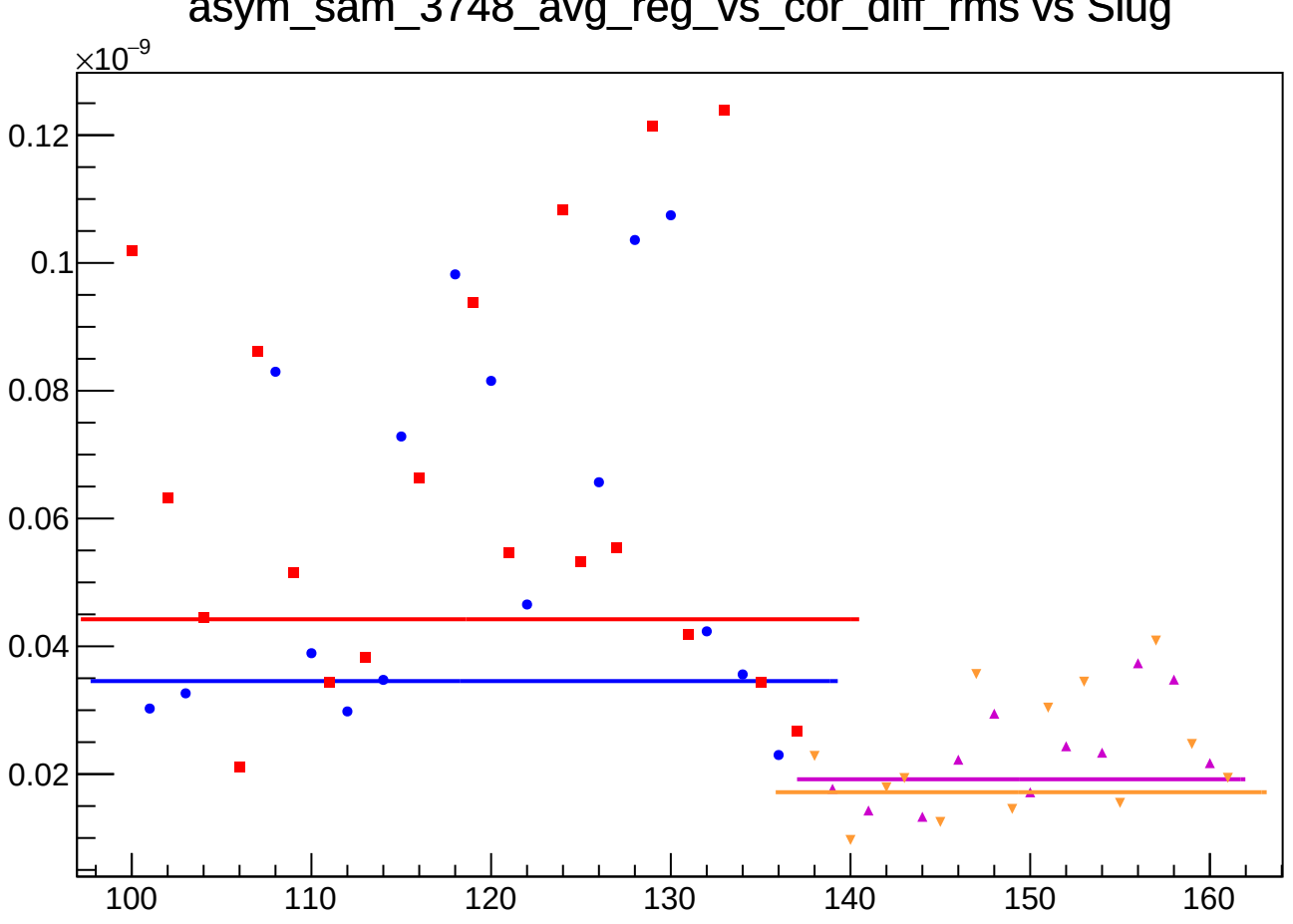
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/28

All: -0.000+/-0.000 χ^2/NDF: 66.2/58

- sign -0.000+/-0.000 χ^2/NDF: 29.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1305848.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

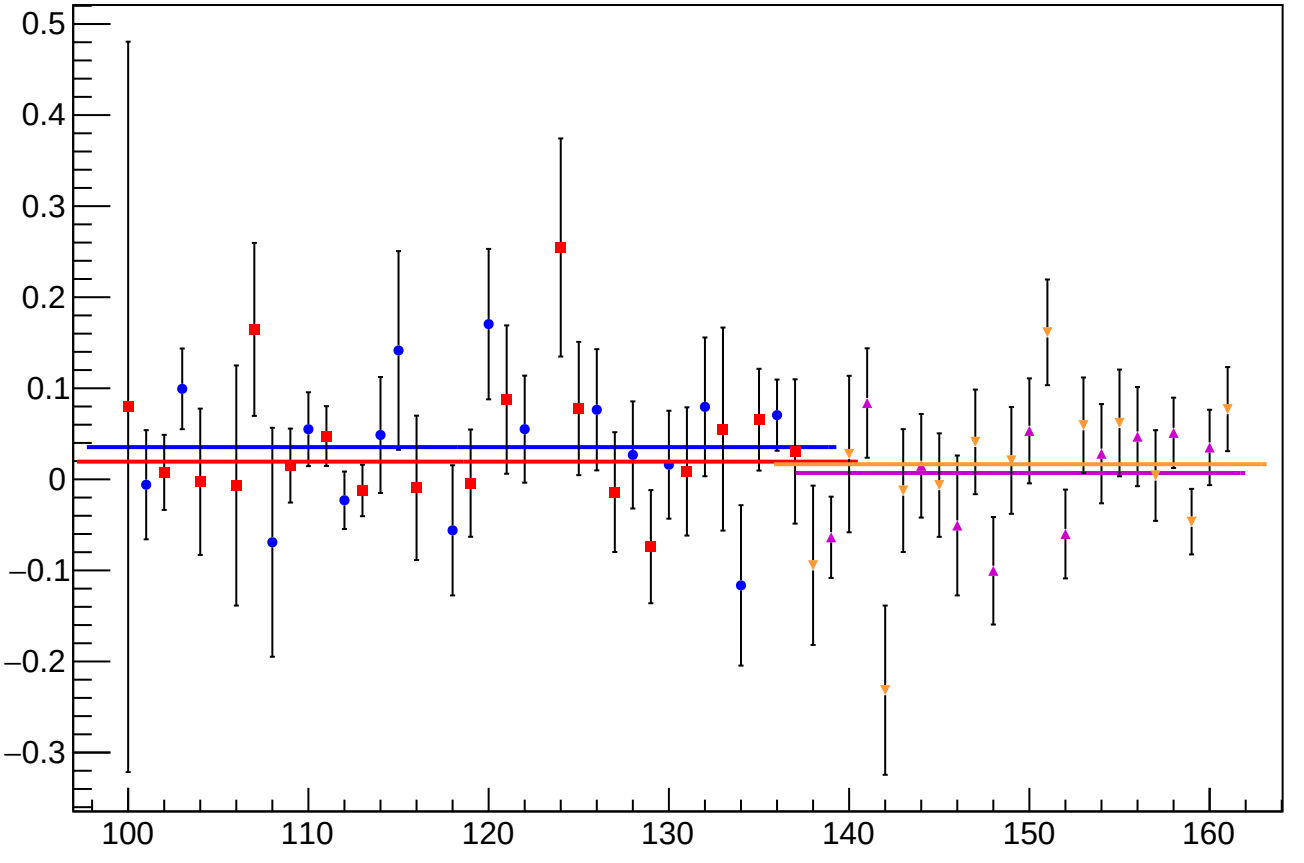
Left In: 0.000+/-0.000 χ^2/NDF:665836.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 3570480.4/28

All: 0.000+/-0.000 χ^2/NDF: 6897812.1/58

- sign 0.000+/-0.000 χ^2/NDF: 3239461.0/29

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: 0.017+/-0.016 χ^2/NDF:21.6/12

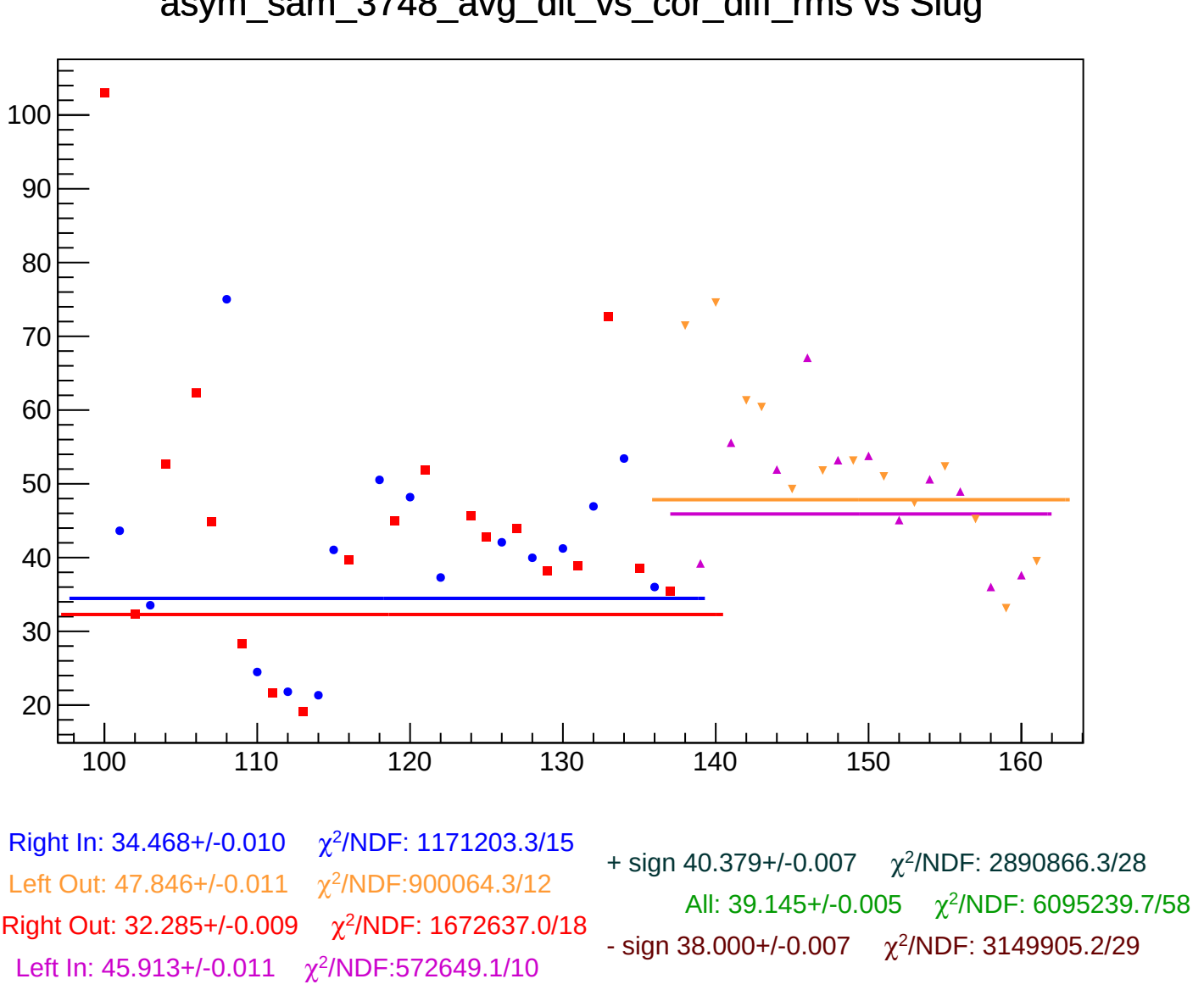
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

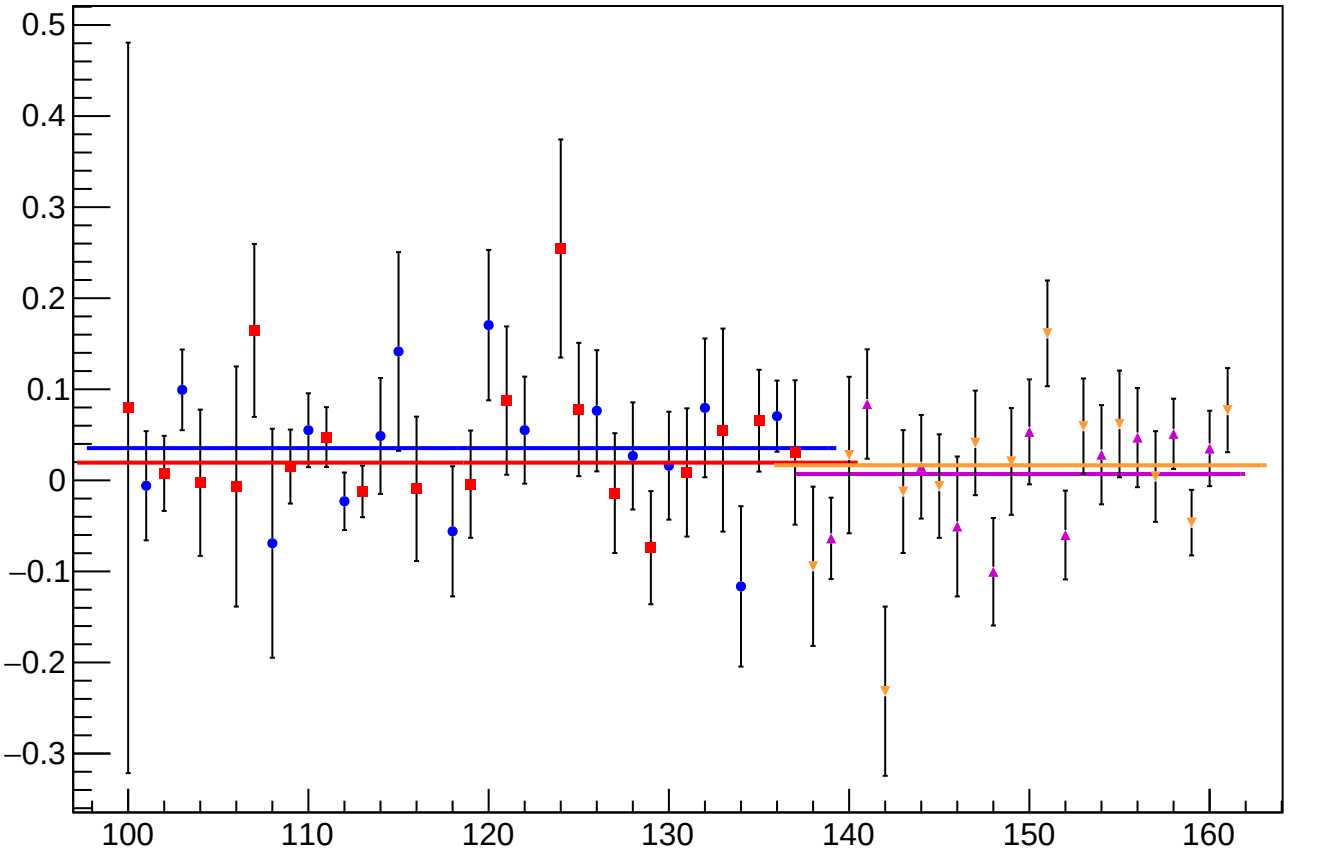
Left In: 0.007+/-0.015 χ^2/NDF:13.0/10

+ sign 0.027+/-0.010 χ^2/NDF: 39.4/28

All: 0.020+/-0.007 χ^2/NDF: 67.0/58

- sign 0.014+/-0.010 χ^2/NDF: 26.8/29


asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 47.846+/-0.011 χ²/NDF:900064.3/12
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 45.913+/-0.011 χ²/NDF:572649.1/10
+ sign 40.379+/-0.007 χ²/NDF: 2890866.3/28
All: 39.145+/-0.005 χ²/NDF: 6095239.7/58
- sign 38.000+/-0.007 χ²/NDF: 3149905.2/29



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.017+/-0.016 χ^2/NDF:21.6/12

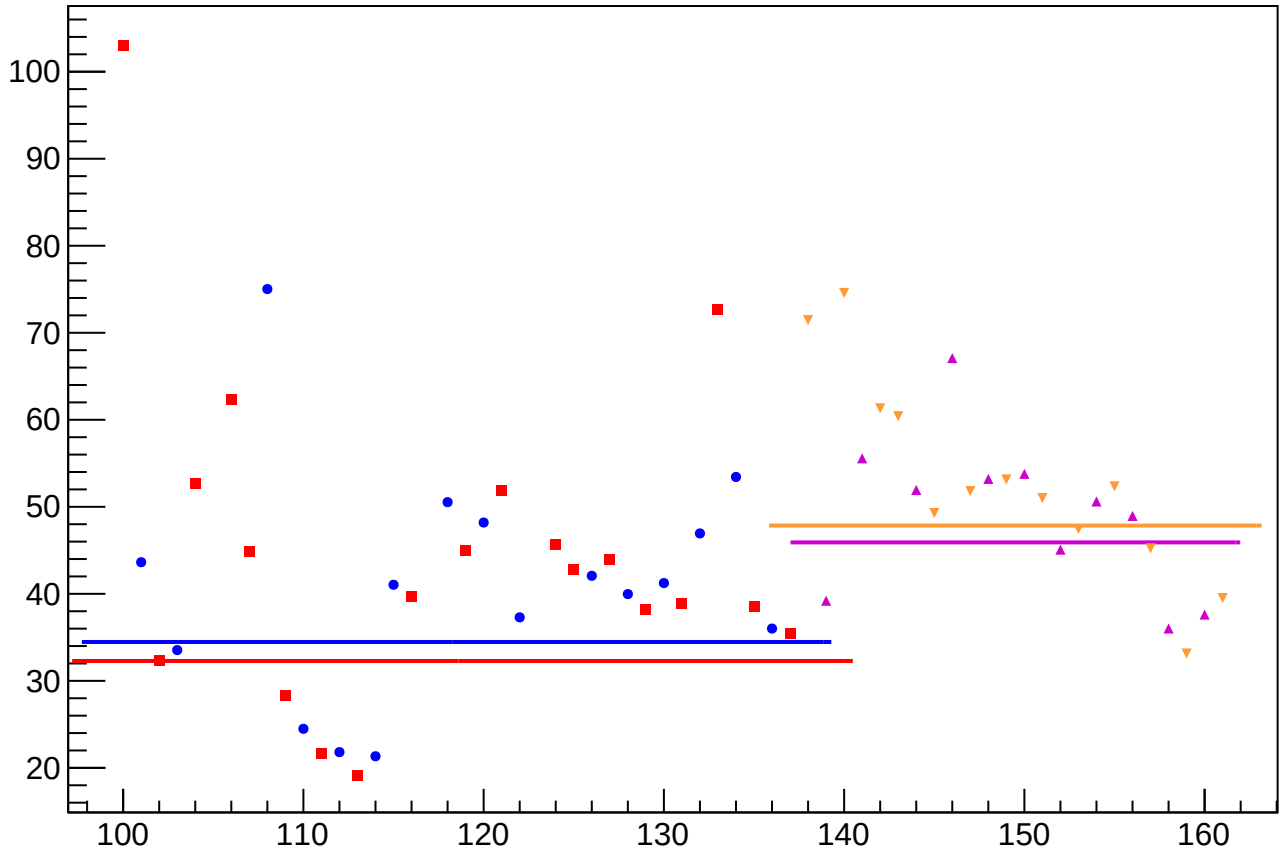
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.007+/-0.015 χ^2/NDF:13.0/10

+ sign 0.027+/-0.010 χ^2/NDF: 39.4/28

All: 0.020+/-0.007 χ^2/NDF: 67.0/58

- sign 0.014+/-0.010 χ^2/NDF: 26.8/29



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.846+/-0.011 χ^2/NDF:900064.3/12

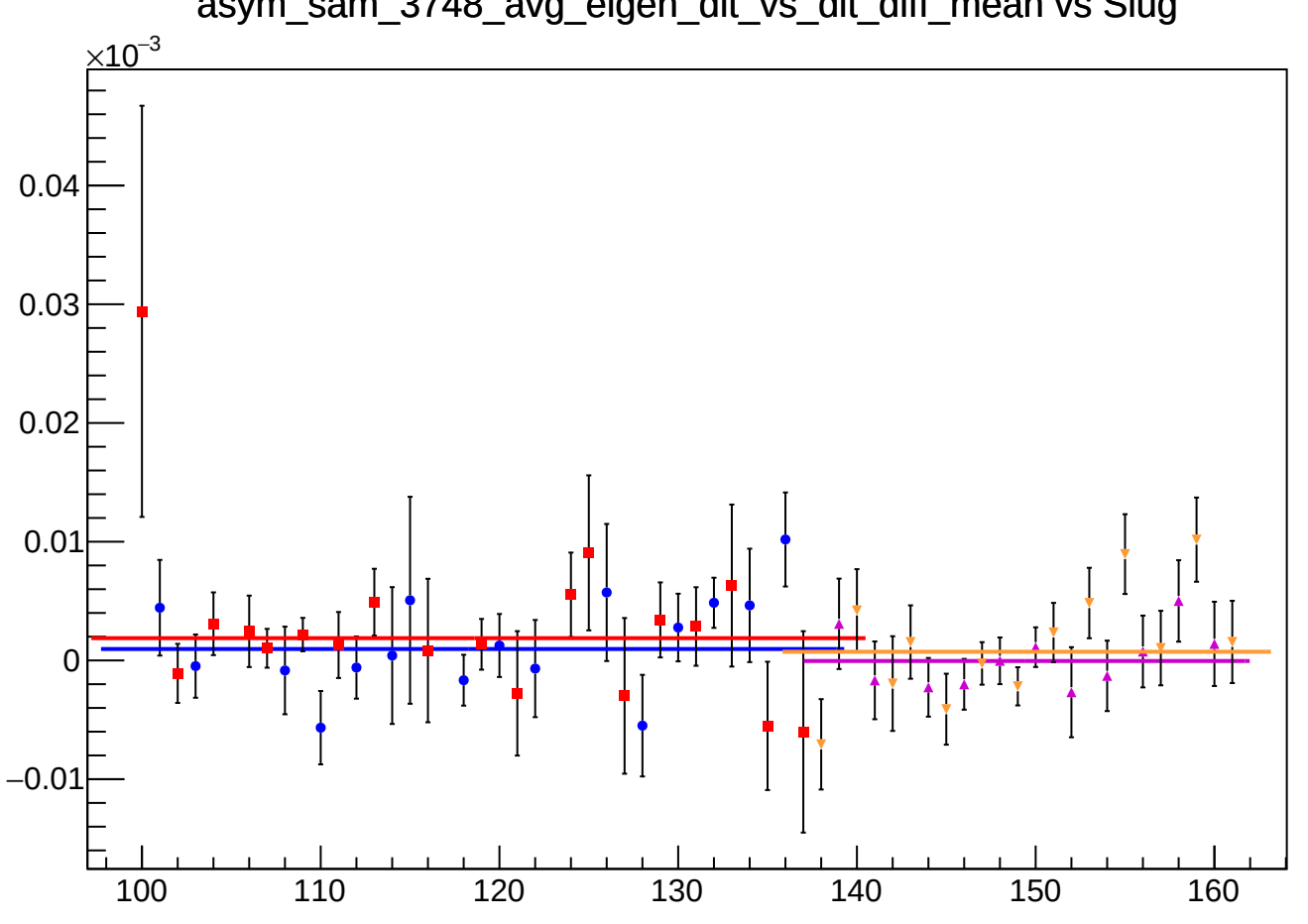
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 45.913+/-0.011 χ^2/NDF:572649.1/10

+ sign 40.379+/-0.007 χ^2/NDF: 2890866.3/28

All: 39.145+/-0.005 χ^2/NDF: 6095239.7/58

- sign 38.000+/-0.007 χ^2/NDF: 3149905.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/12

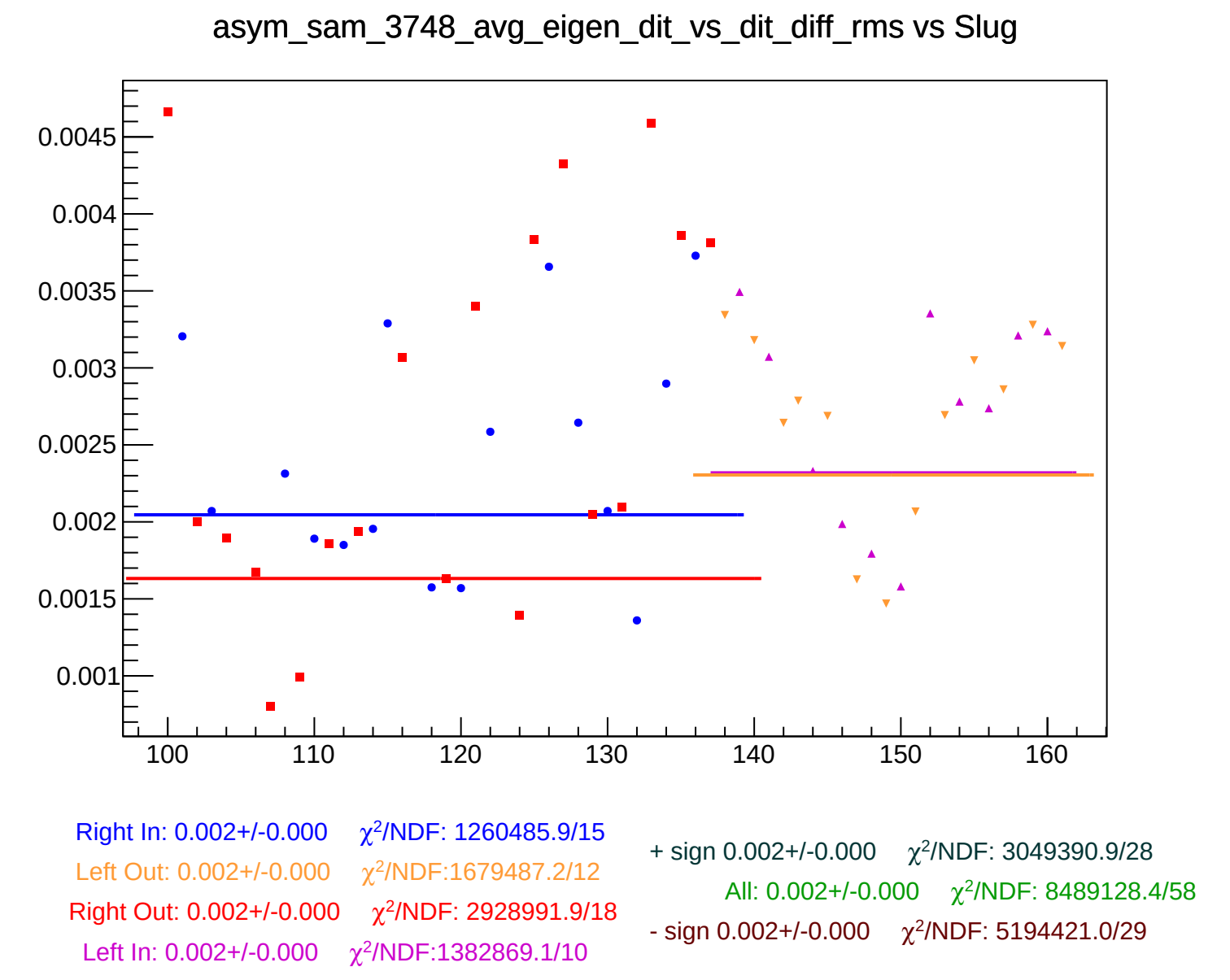
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

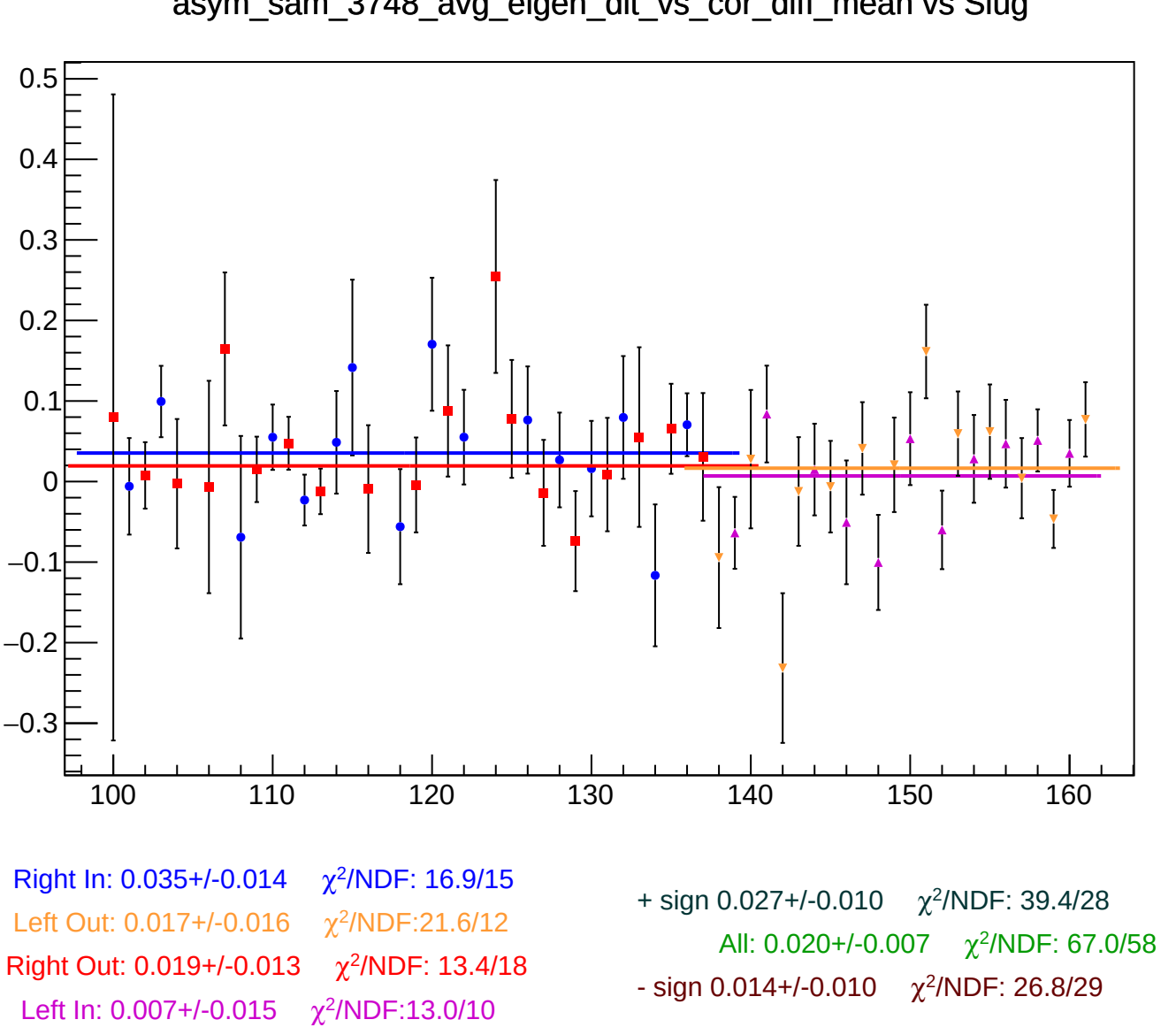
Left In: -0.000+/-0.000 χ^2/NDF:6.1/10

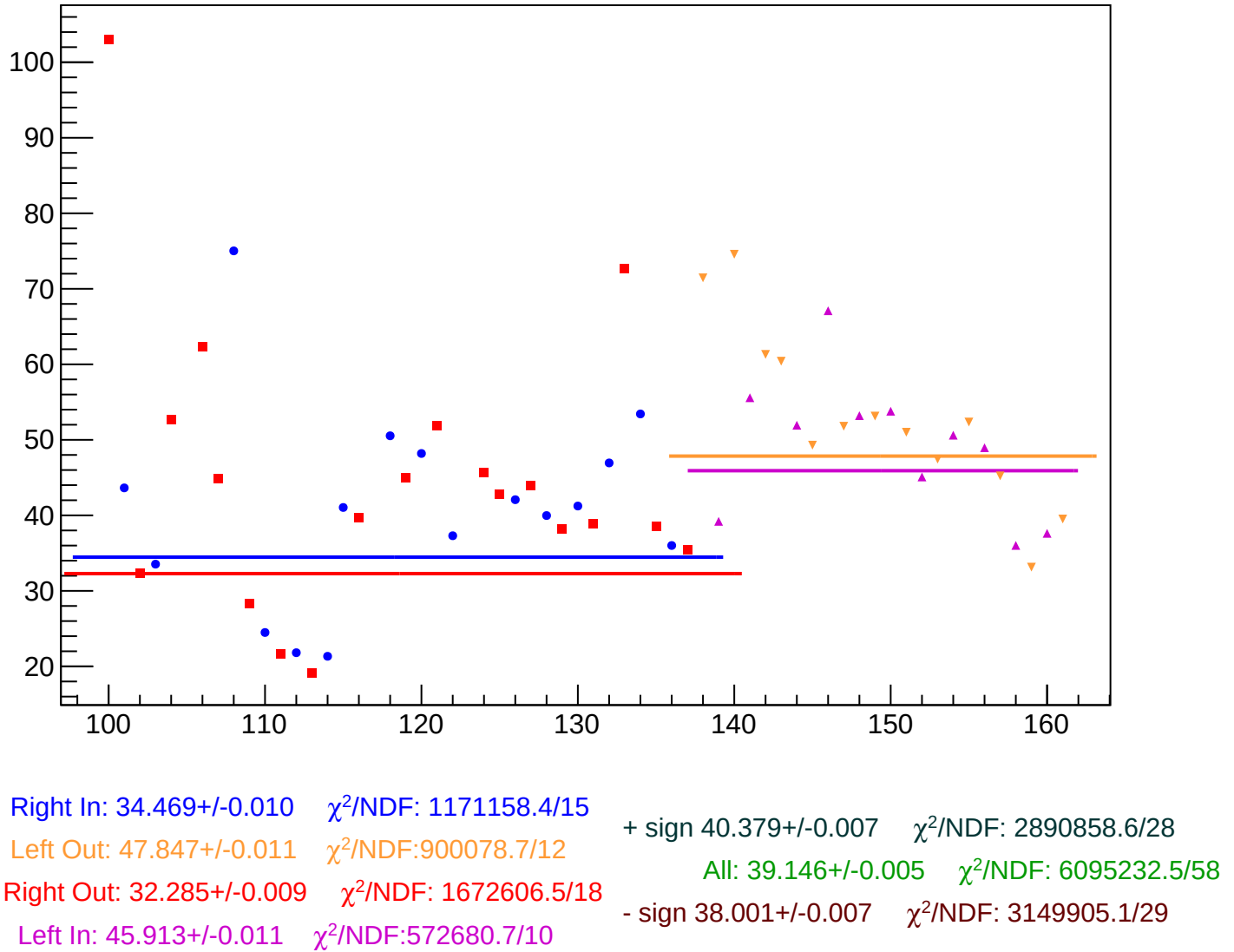
+ sign 0.000+/-0.000 χ^2/NDF: 48.4/28

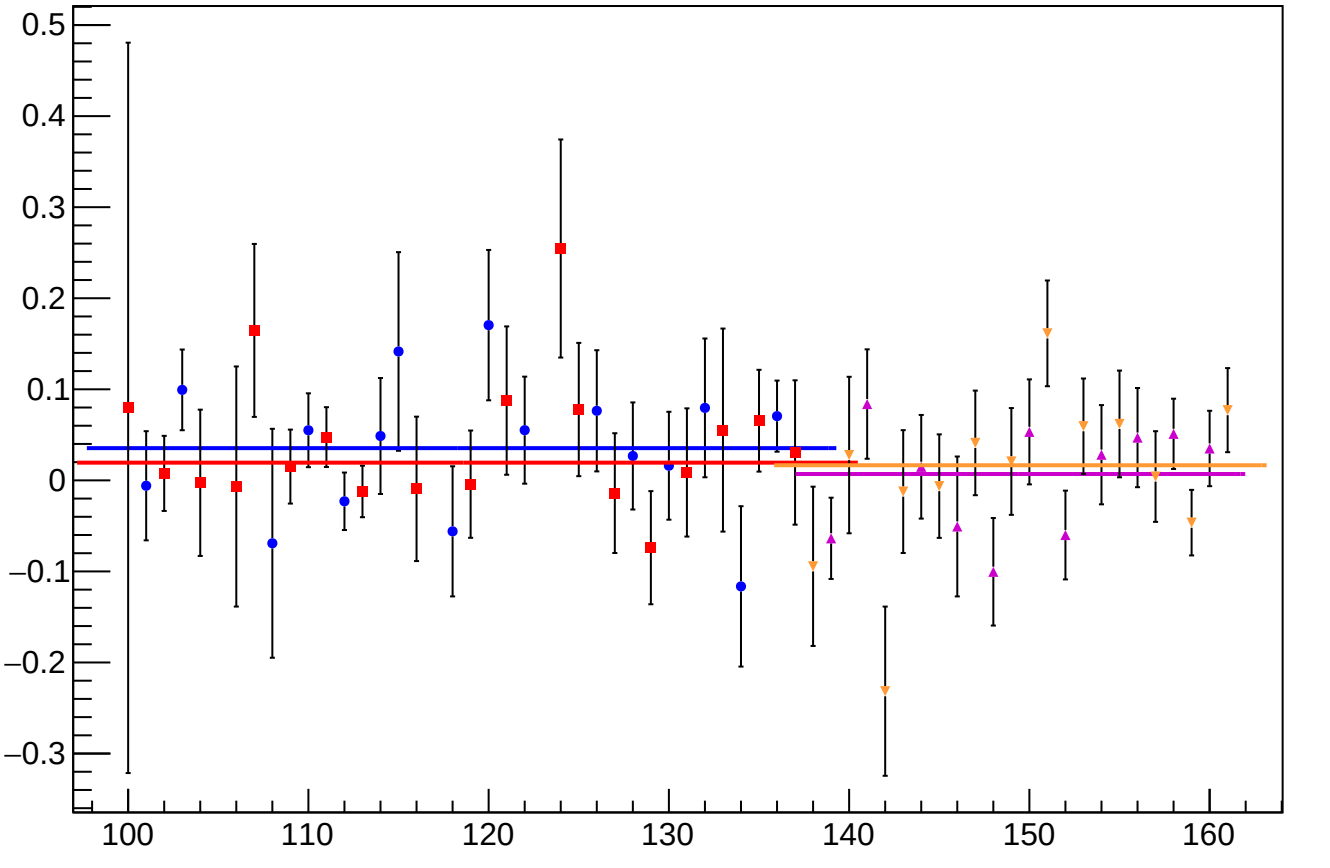
All: 0.000+/-0.000 χ^2/NDF: 71.0/58

- sign 0.000+/-0.000 χ^2/NDF: 22.5/29


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
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1679487.2/12
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1382869.1/10
+ sign 0.002+/-0.000 χ²/NDF: 3049390.9/28
All: 0.002+/-0.000 χ²/NDF: 8489128.4/58
- sign 0.002+/-0.000 χ²/NDF: 5194421.0/29


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
100
110
120
130
140
150
160
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.017+/-0.016 χ²/NDF:21.6/12
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: 0.007+/-0.015 χ²/NDF:13.0/10
+ sign 0.027+/-0.010 χ²/NDF: 39.4/28
All: 0.020+/-0.007 χ²/NDF: 67.0/58
- sign 0.014+/-0.010 χ²/NDF: 26.8/29


asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 47.847+/-0.011 χ²/NDF:900078.7/12
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 45.913+/-0.011 χ²/NDF:572680.7/10
+ sign 40.379+/-0.007 χ²/NDF: 2890858.6/28
All: 39.146+/-0.005 χ²/NDF: 6095232.5/58
- sign 38.001+/-0.007 χ²/NDF: 3149905.1/29



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.017+/-0.016 χ^2/NDF:21.6/12

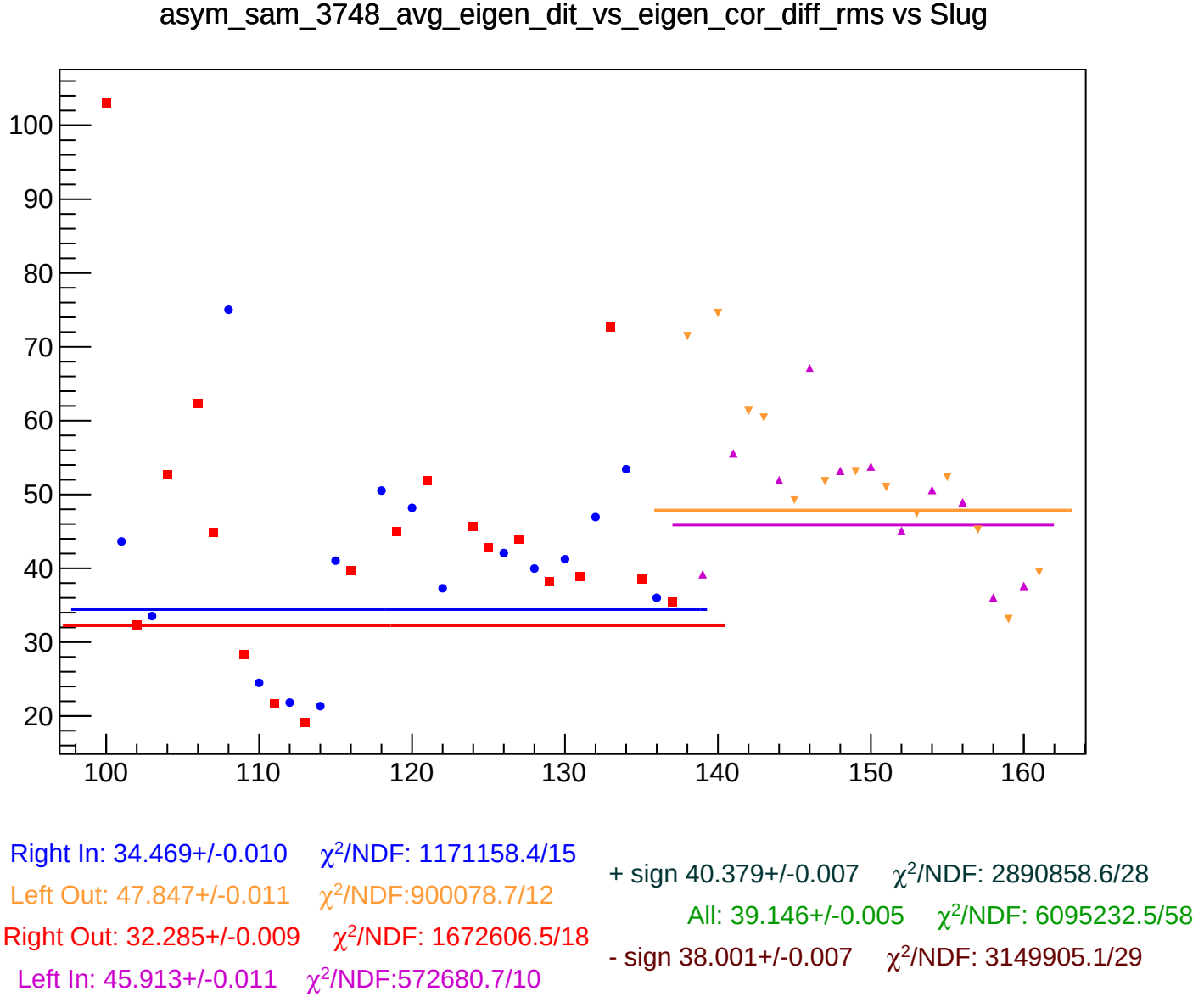
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.007+/-0.015 χ^2/NDF:13.0/10

+ sign 0.027+/-0.010 χ^2/NDF: 39.4/28

All: 0.020+/-0.007 χ^2/NDF: 67.0/58

- sign 0.014+/-0.010 χ^2/NDF: 26.8/29


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
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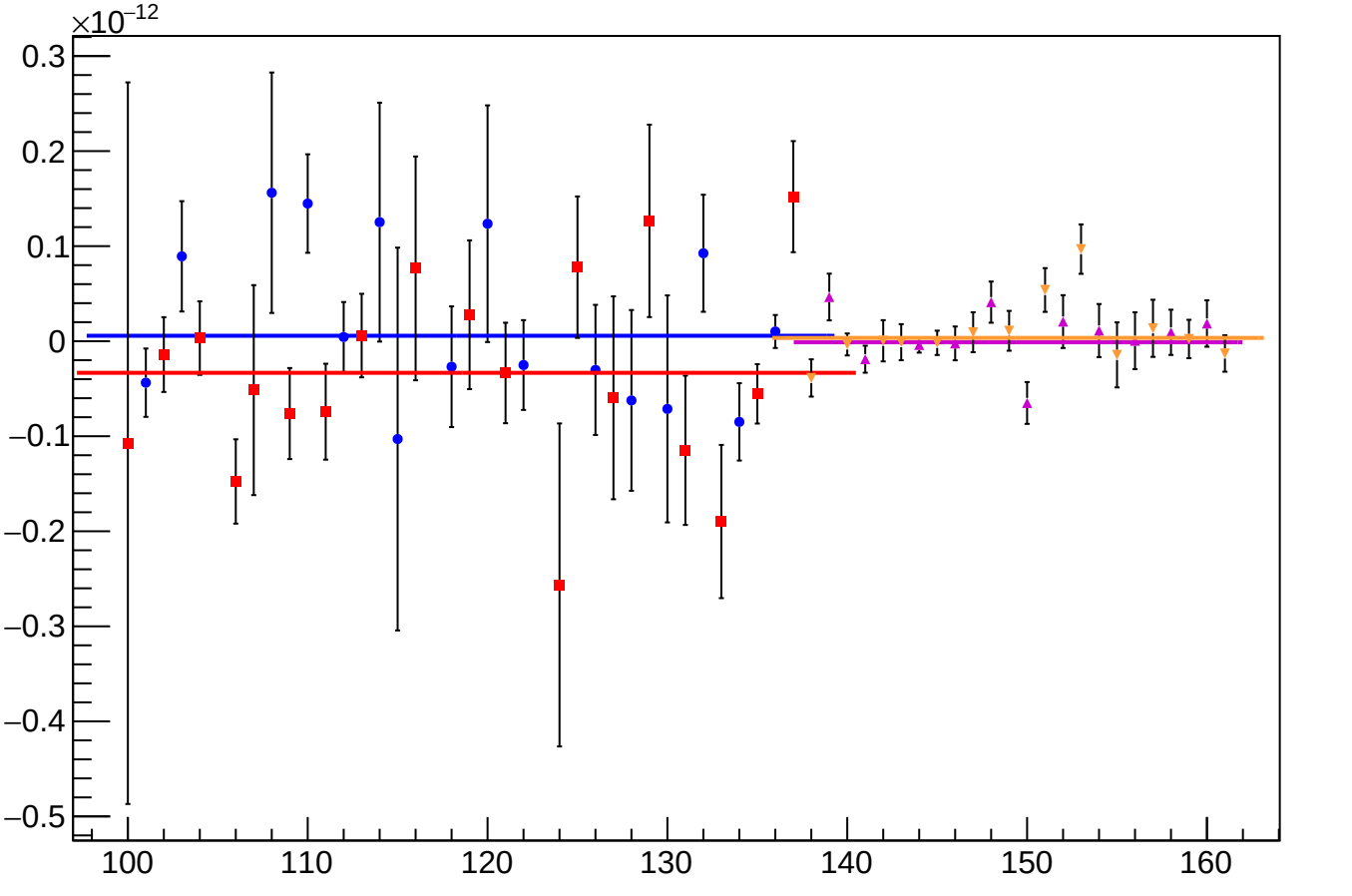
130
140
150
160
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 47.847+/-0.011 χ²/NDF:900078.7/12
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 45.913+/-0.011 χ²/NDF:572680.7/10
+ sign 40.379+/-0.007 χ²/NDF: 2890858.6/28
All: 39.146+/-0.005 χ²/NDF: 6095232.5/58
- sign 38.001+/-0.007 χ²/NDF: 3149905.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.2/12

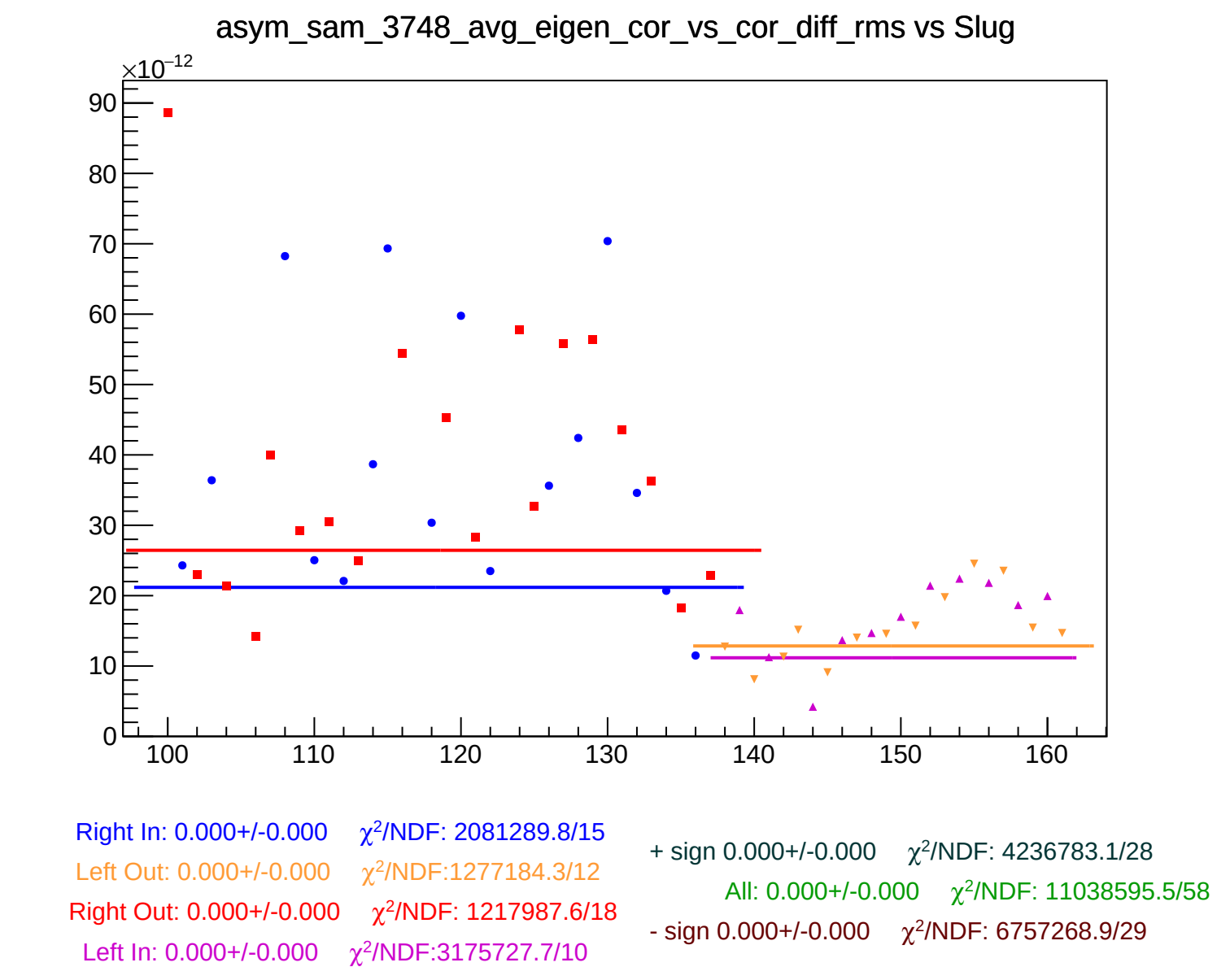
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/10

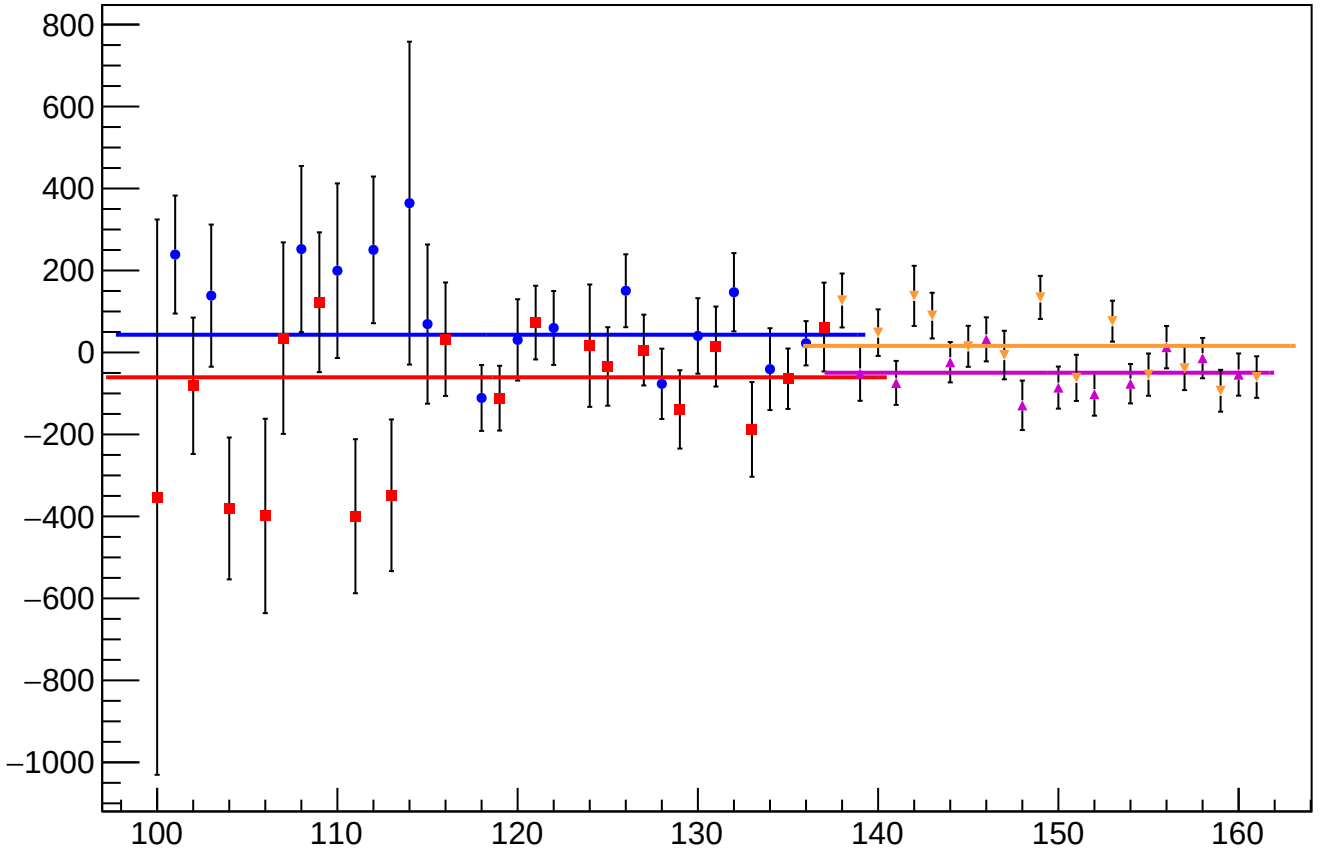
+ sign 0.000+/-0.000 χ^2/NDF: 47.8/28

All: -0.000+/-0.000 χ^2/NDF: 107.8/58

- sign -0.000+/-0.000 χ^2/NDF: 58.0/29


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
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1277184.3/12
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3175727.7/10
+ sign 0.000+/-0.000 χ²/NDF: 4236783.1/28
All: 0.000+/-0.000 χ²/NDF: 11038595.5/58
- sign 0.000+/-0.000 χ²/NDF: 6757268.9/29

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 16.082+/-15.221 χ^2/NDF:26.0/12

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

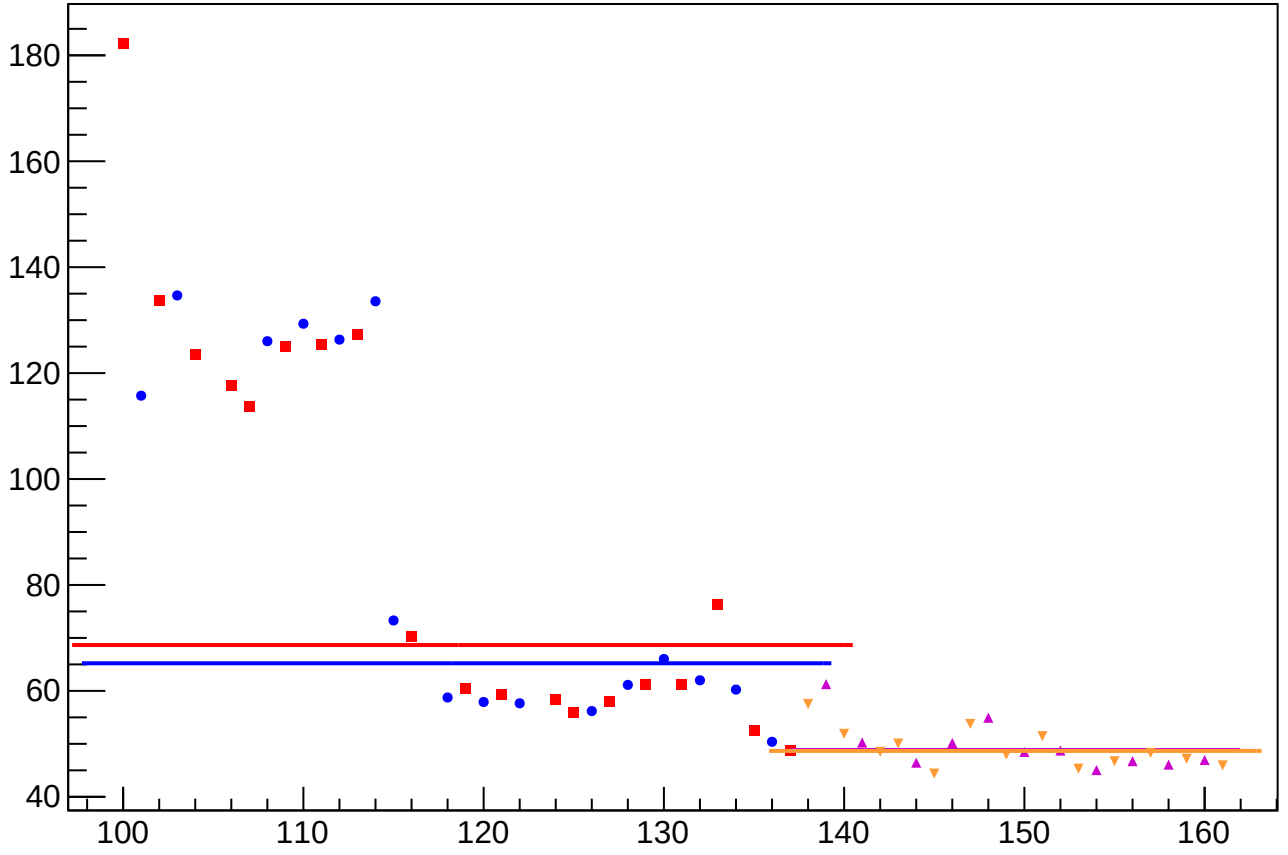
Left In: -49.423+/-15.919 χ^2/NDF:8.3/10

+ sign 23.103+/-13.107 χ^2/NDF: 41.8/28

All: -12.943+/-9.470 χ^2/NDF: 86.5/58

- sign -52.318+/-13.699 χ^2/NDF: 28.9/29

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 48.661+/-0.011 χ^2/NDF:98217.0/12

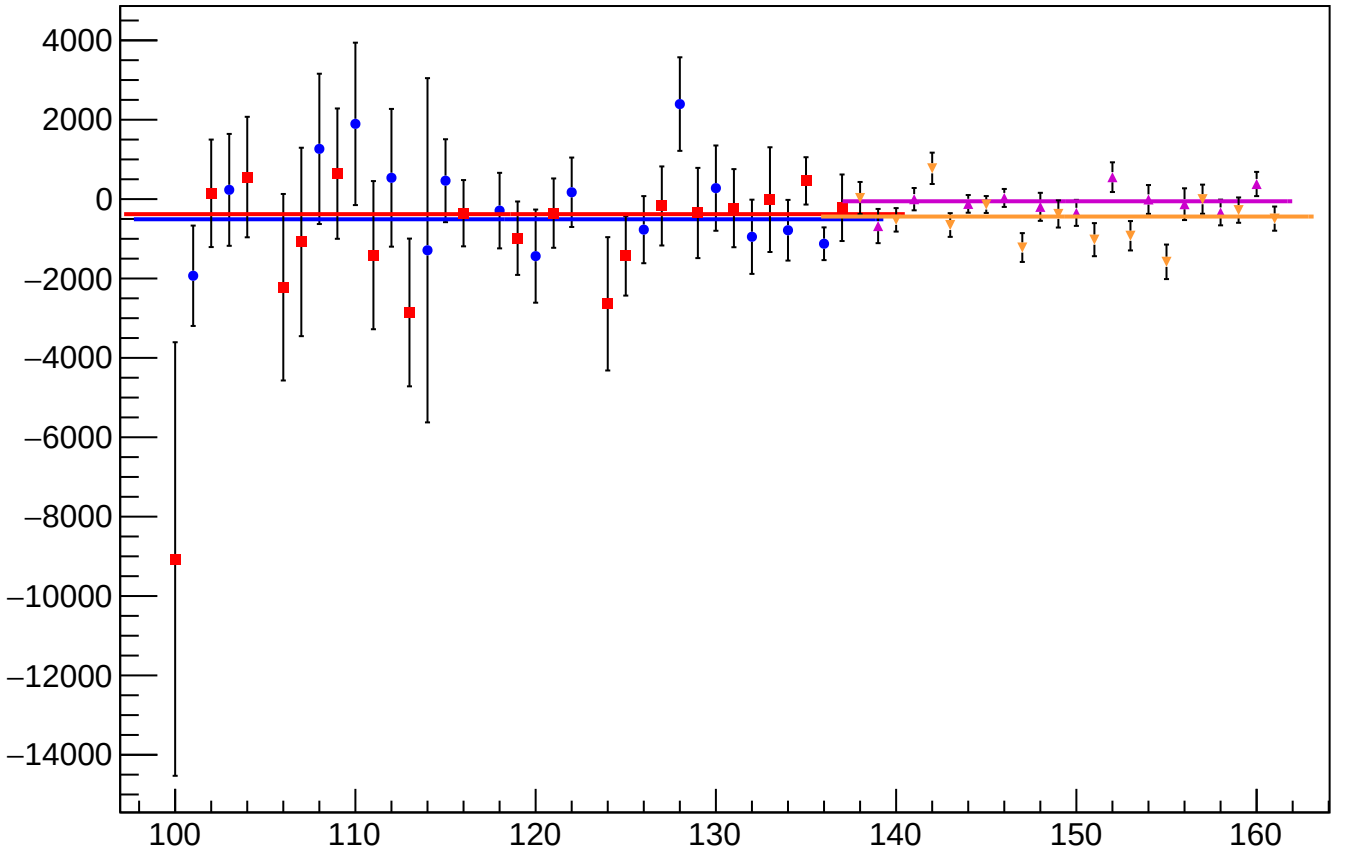
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 48.835+/-0.011 χ^2/NDF:122037.2/10

+ sign 52.939+/-0.009 χ^2/NDF: 2156039.0/28

All: 53.435+/-0.007 χ^2/NDF: 4729469.6/58

- sign 53.978+/-0.010 χ^2/NDF: 2567423.8/29



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -439.347+/-91.408 χ^2/NDF:30.3/12

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

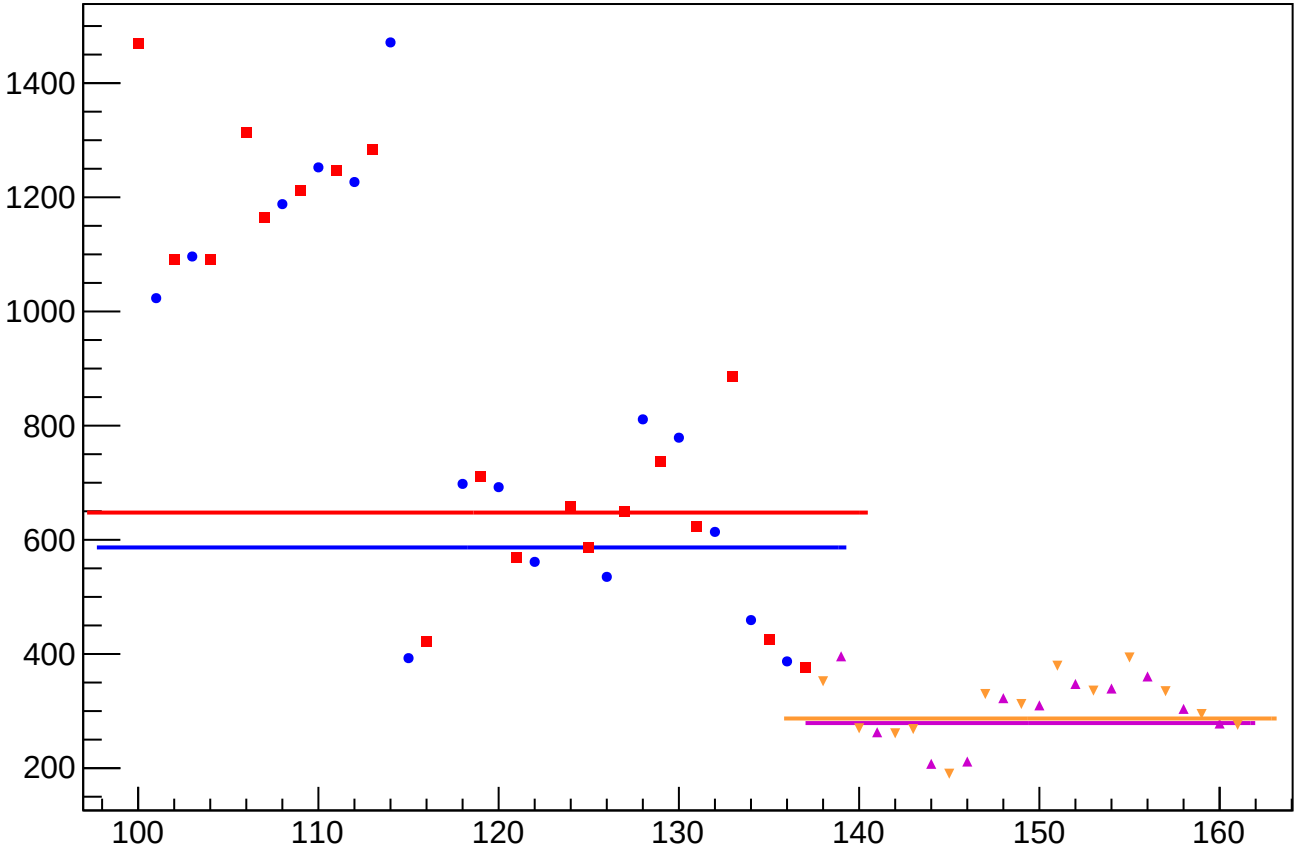
Left In: -54.459+/-92.740 χ^2/NDF:8.8/10

+ sign -448.232+/-85.282 χ^2/NDF: 46.0/28

All: -274.095+/-60.974 χ^2/NDF: 76.5/58

- sign -91.992+/-87.211 χ^2/NDF: 21.9/29

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 287.017+/-0.065 χ^2/NDF:818147.0/12

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

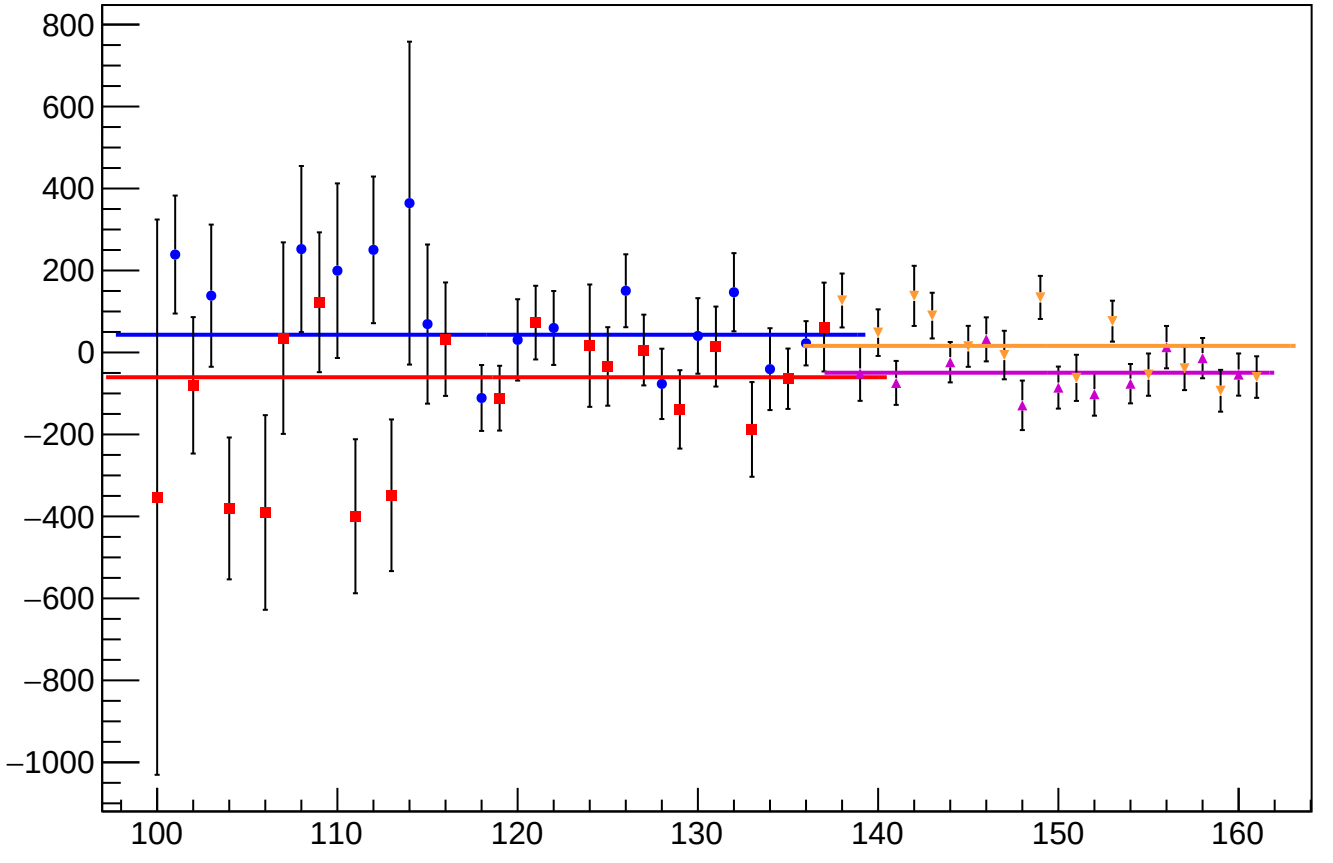
Left In: 279.000+/-0.066 χ^2/NDF:802376.1/10

+ sign 325.832+/-0.060 χ^2/NDF: 5655144.5/28

All: 323.792+/-0.043 χ^2/NDF: 12223188.9/58

- sign 321.658+/-0.062 χ^2/NDF: 6565702.2/29

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 16.083+/-15.221 χ^2/NDF:26.0/12

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

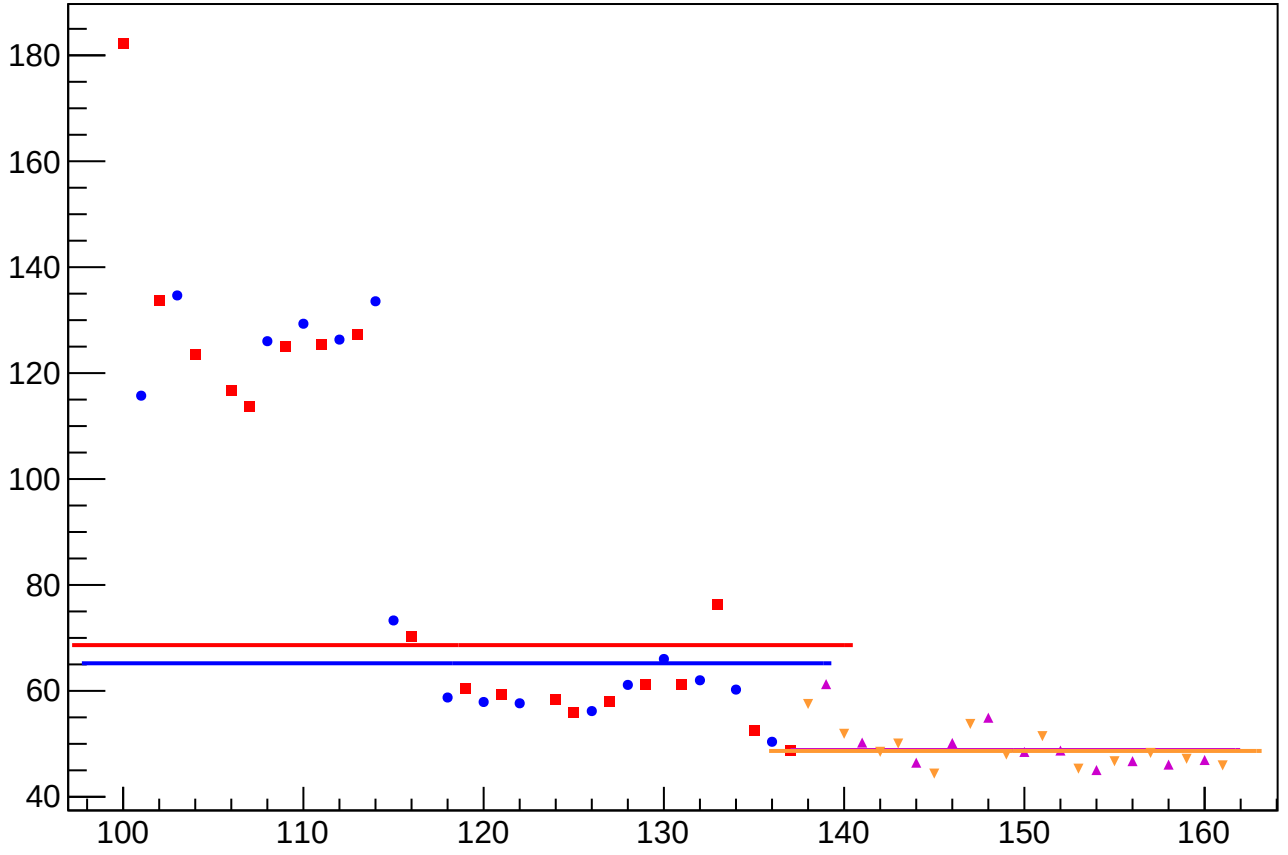
Left In: -49.423+/-15.919 χ^2/NDF:8.3/10

+ sign 23.103+/-13.107 χ^2/NDF: 41.8/28

All: -12.924+/-9.470 χ^2/NDF: 86.4/58

- sign -52.279+/-13.699 χ^2/NDF: 28.7/29

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.661+/-0.011 χ^2/NDF:98217.0/12

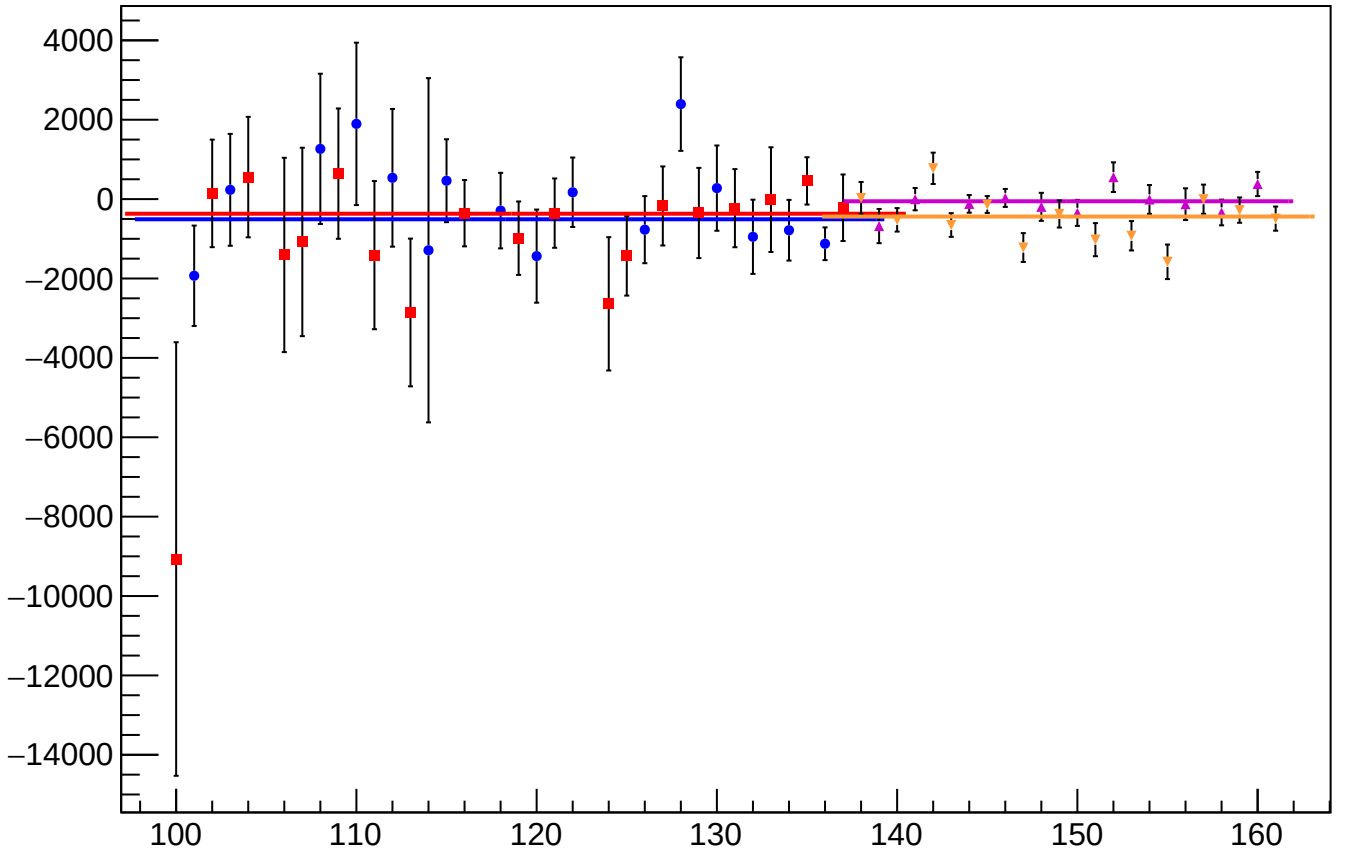
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.835+/-0.011 χ^2/NDF:122037.2/10

+ sign 52.939+/-0.009 χ^2/NDF: 2156041.1/28

All: 53.433+/-0.007 χ^2/NDF: 4724879.4/58

- sign 53.974+/-0.010 χ^2/NDF: 2562877.2/29



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -439.344+/-91.408 χ^2/NDF:30.3/12

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

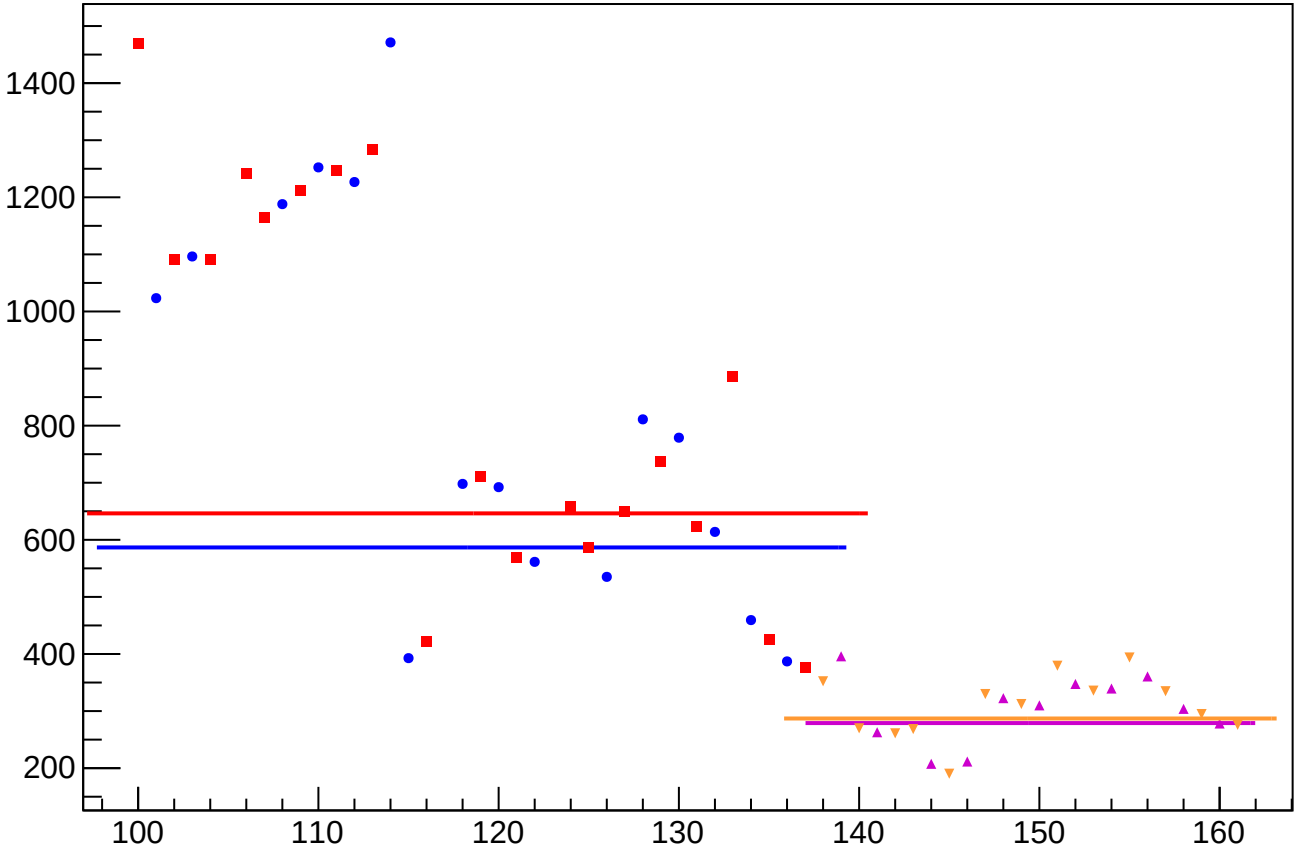
Left In: -54.460+/-92.740 χ^2/NDF:8.8/10

\+ sign -448.226+/-85.282 χ^2/NDF: 46.0/28

All: -273.490+/-60.976 χ^2/NDF: 76.0/58

\- sign -90.739+/-87.216 χ^2/NDF: 21.4/29

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.017+/-0.065 χ^2/NDF:818151.3/12

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

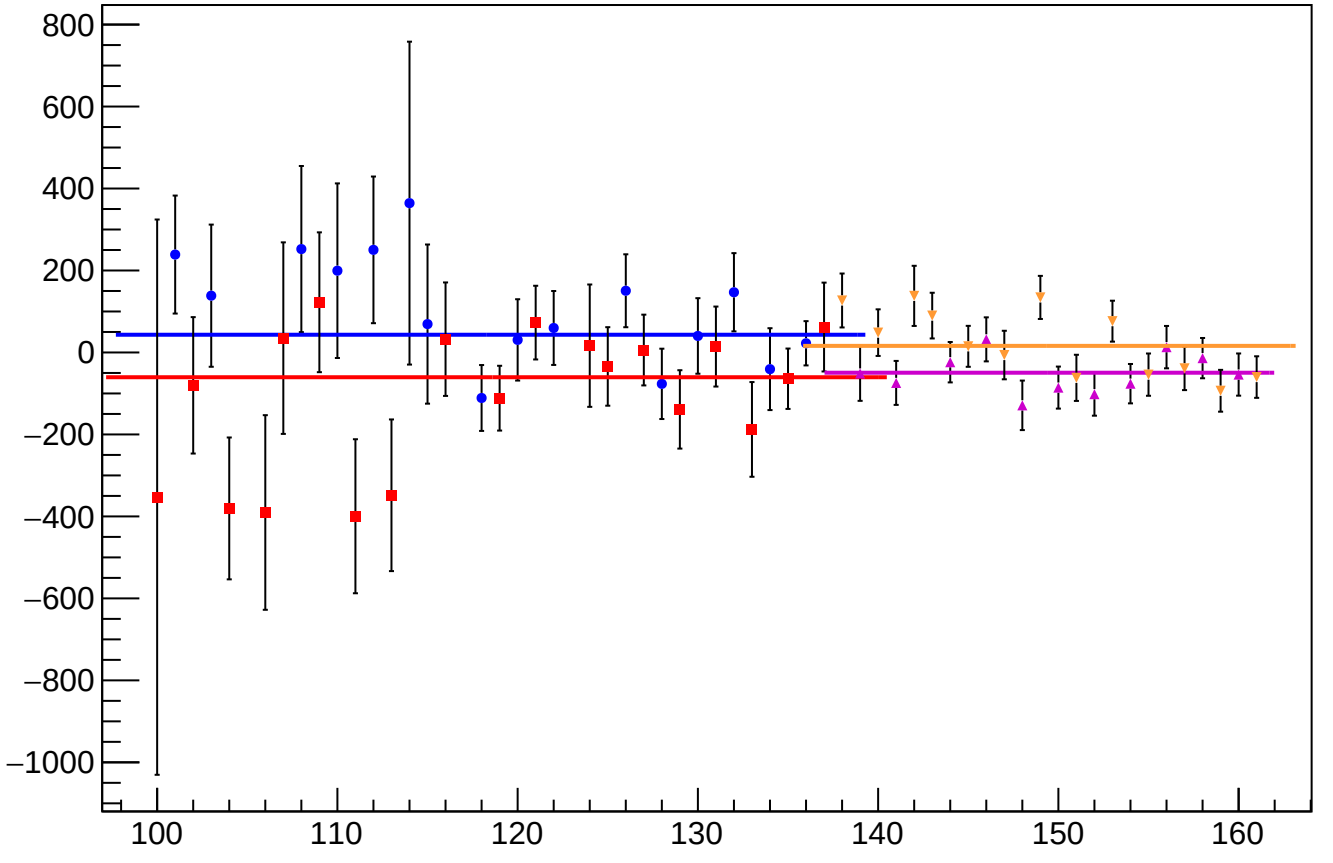
Left In: 279.000+/-0.066 χ^2/NDF:802371.4/10

+ sign 325.832+/-0.060 χ^2/NDF: 5655176.0/28

All: 323.694+/-0.043 χ^2/NDF: 12149931.8/58

- sign 321.458+/-0.062 χ^2/NDF: 6492184.4/29

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 16.083+/-15.221 χ^2/NDF:26.0/12

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

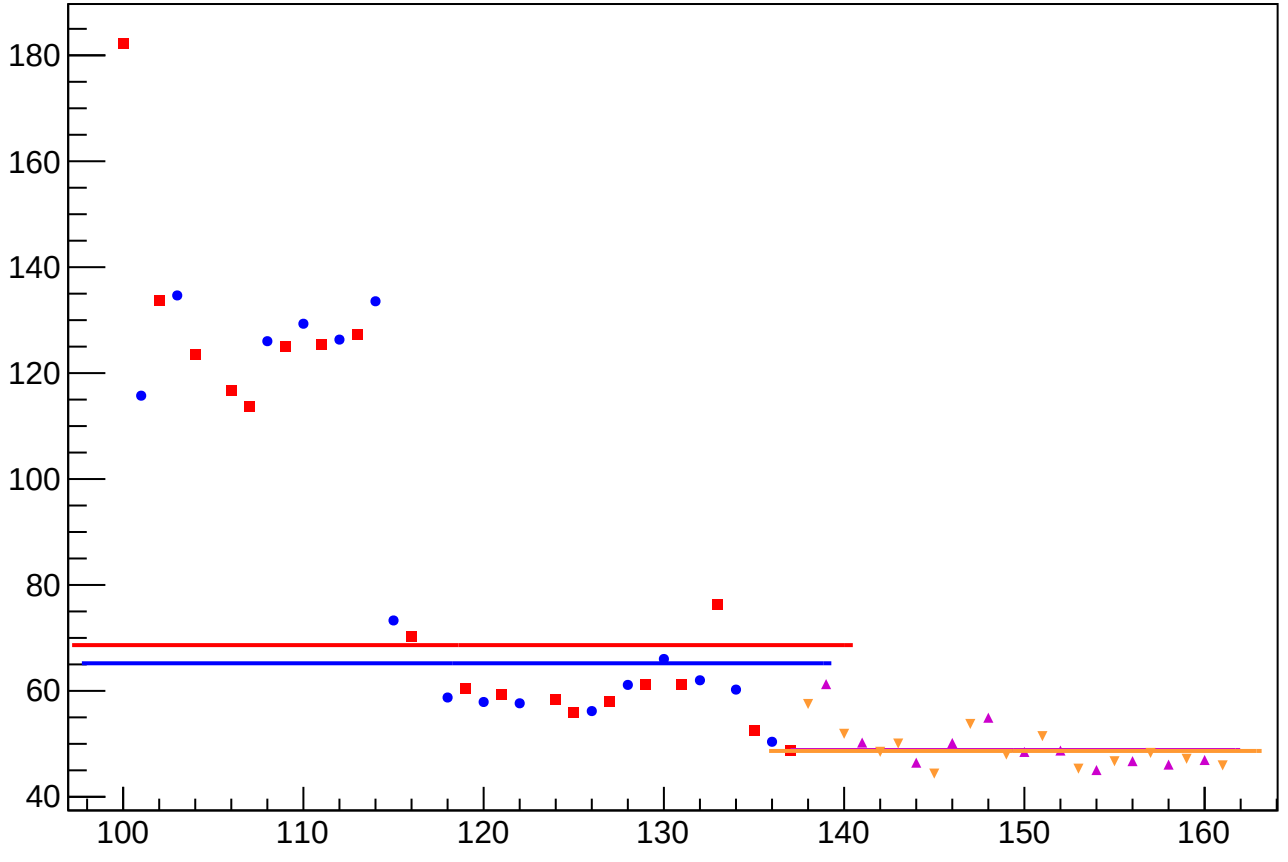
Left In: -49.423+/-15.919 χ^2/NDF:8.3/10

+ sign 23.103+/-13.107 χ^2/NDF: 41.8/28

All: -12.924+/-9.470 χ^2/NDF: 86.4/58

- sign -52.279+/-13.699 χ^2/NDF: 28.7/29

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.661+/-0.011 χ^2/NDF:98217.0/12

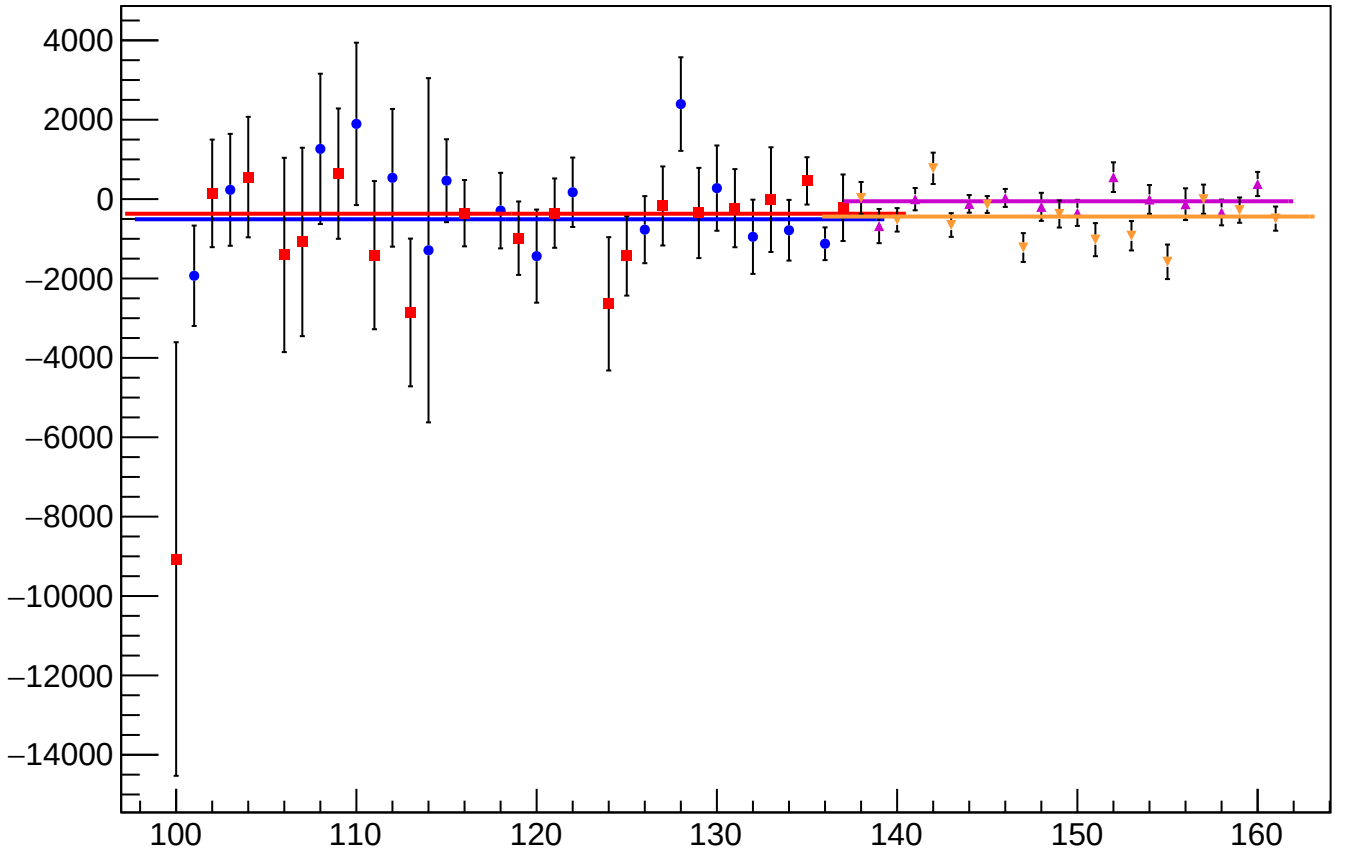
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.835+/-0.011 χ^2/NDF:122037.2/10

+ sign 52.939+/-0.009 χ^2/NDF: 2156041.1/28

All: 53.433+/-0.007 χ^2/NDF: 4724879.4/58

- sign 53.974+/-0.010 χ^2/NDF: 2562877.2/29



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -439.344+/-91.408 χ^2/NDF:30.3/12

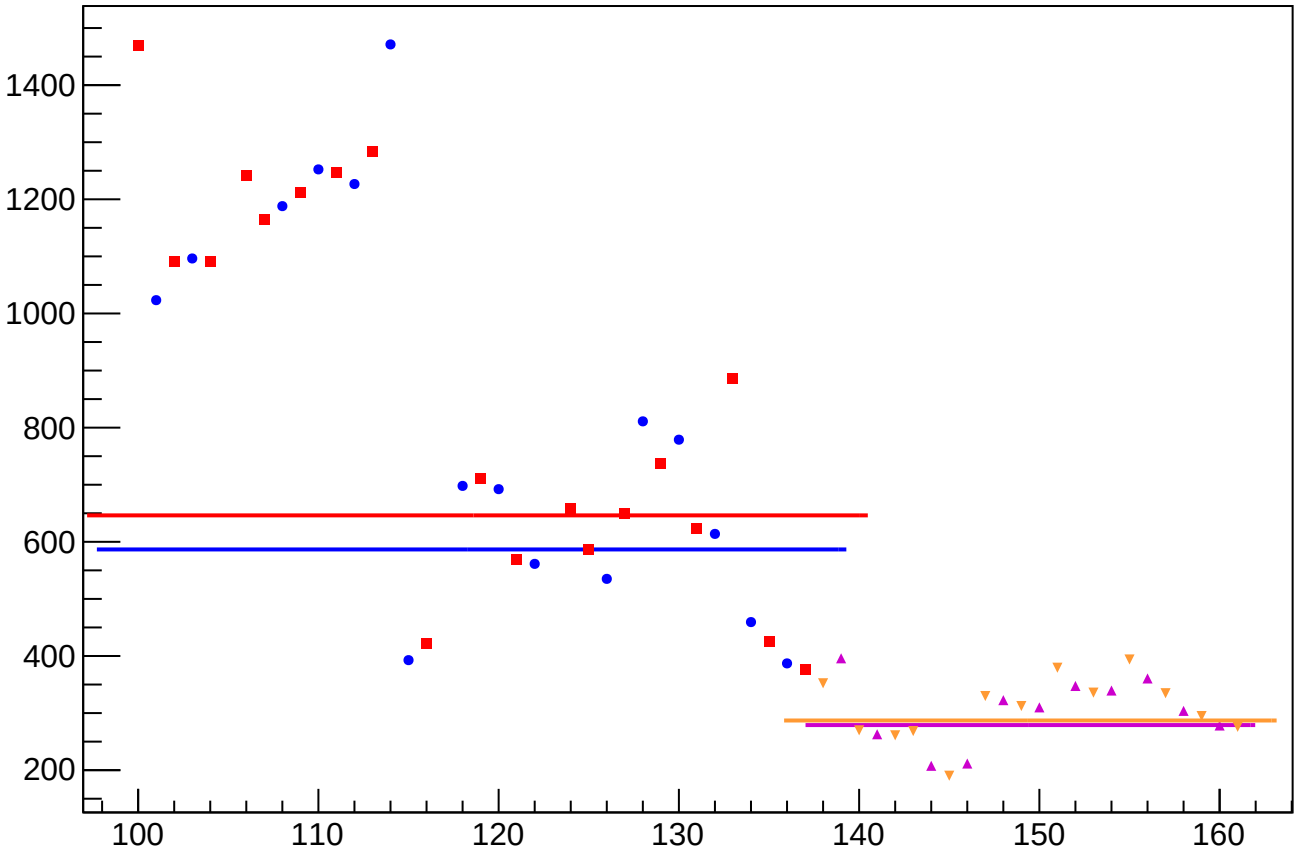
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -54.460+/-92.740 χ^2/NDF:8.8/10

+ sign -448.226+/-85.282 χ^2/NDF: 46.0/28

All: -273.490+/-60.976 χ^2/NDF: 76.0/58

- sign -90.739+/-87.216 χ^2/NDF: 21.4/29



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.017+/-0.065 χ^2/NDF:818151.3/12

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

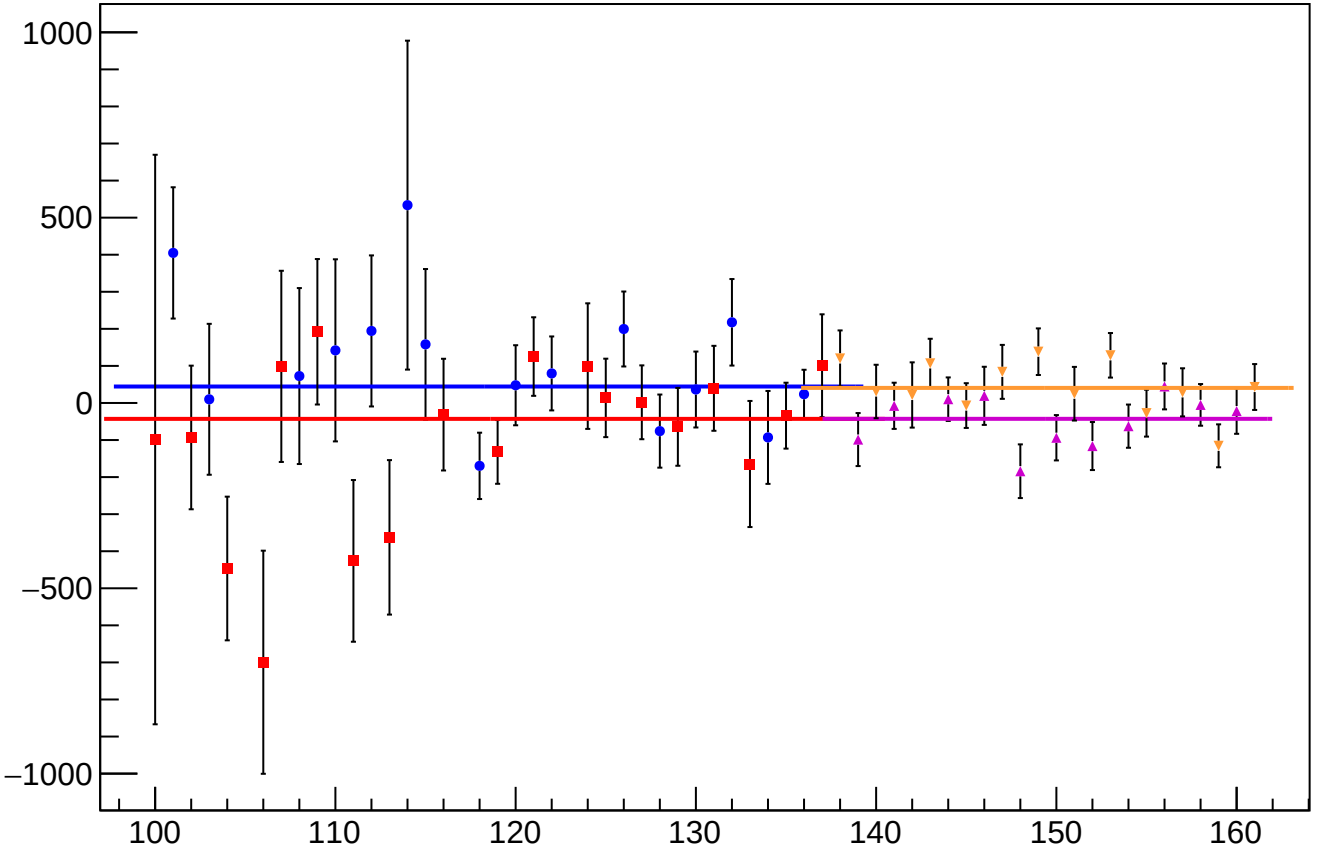
Left In: 279.000+/-0.066 χ^2/NDF:802371.4/10

+ sign 325.832+/-0.060 χ^2/NDF: 5655176.0/28

All: 323.694+/-0.043 χ^2/NDF: 12149931.8/58

- sign 321.458+/-0.062 χ^2/NDF: 6492184.4/29

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 40.647+/-18.402 χ^2/NDF:16.2/12

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

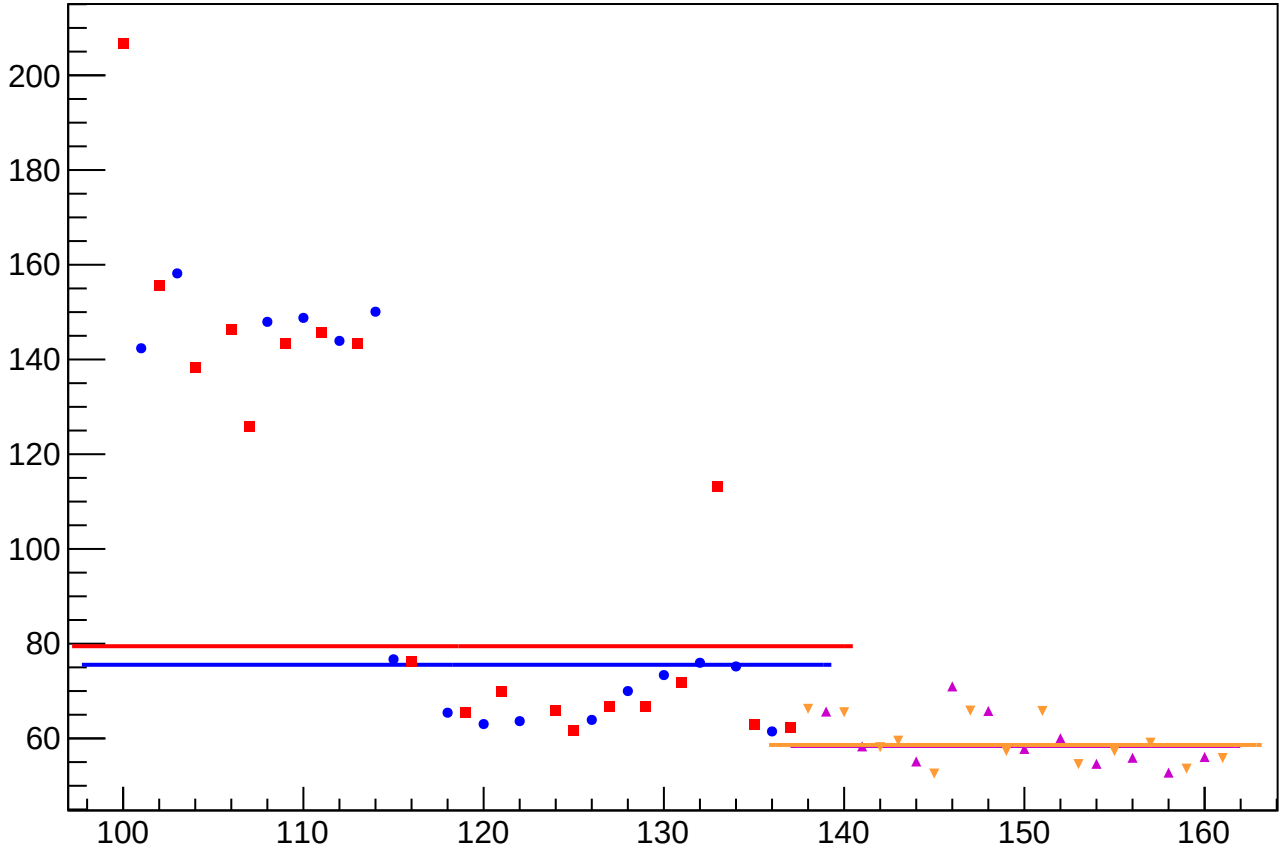
Left In: -42.783+/-19.107 χ^2/NDF:10.8/10

+ sign 41.674+/-15.673 χ^2/NDF: 35.8/28

All: 1.090+/-11.298 χ^2/NDF: 83.9/58

- sign -42.815+/-16.301 χ^2/NDF: 34.1/29

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 58.620+/-0.013 χ^2/NDF:128353.3/12

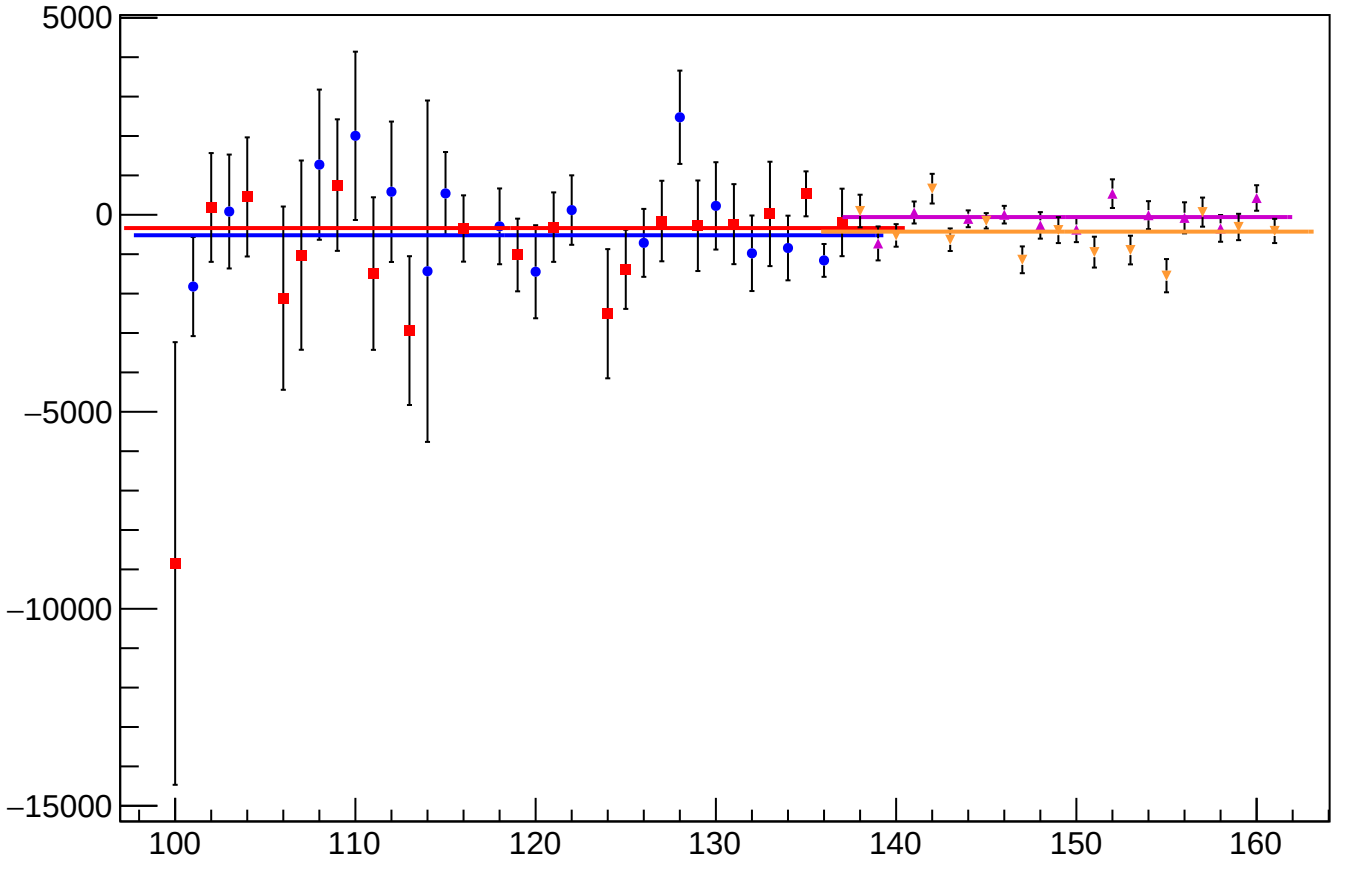
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.397+/-0.014 χ^2/NDF:135056.8/10

+ sign 63.268+/-0.011 χ^2/NDF: 2058458.0/28

All: 63.682+/-0.008 χ^2/NDF: 4541808.0/58

- sign 64.131+/-0.012 χ^2/NDF: 2480436.9/29



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -427.202+/-88.503 χ^2/NDF:29.4/12

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

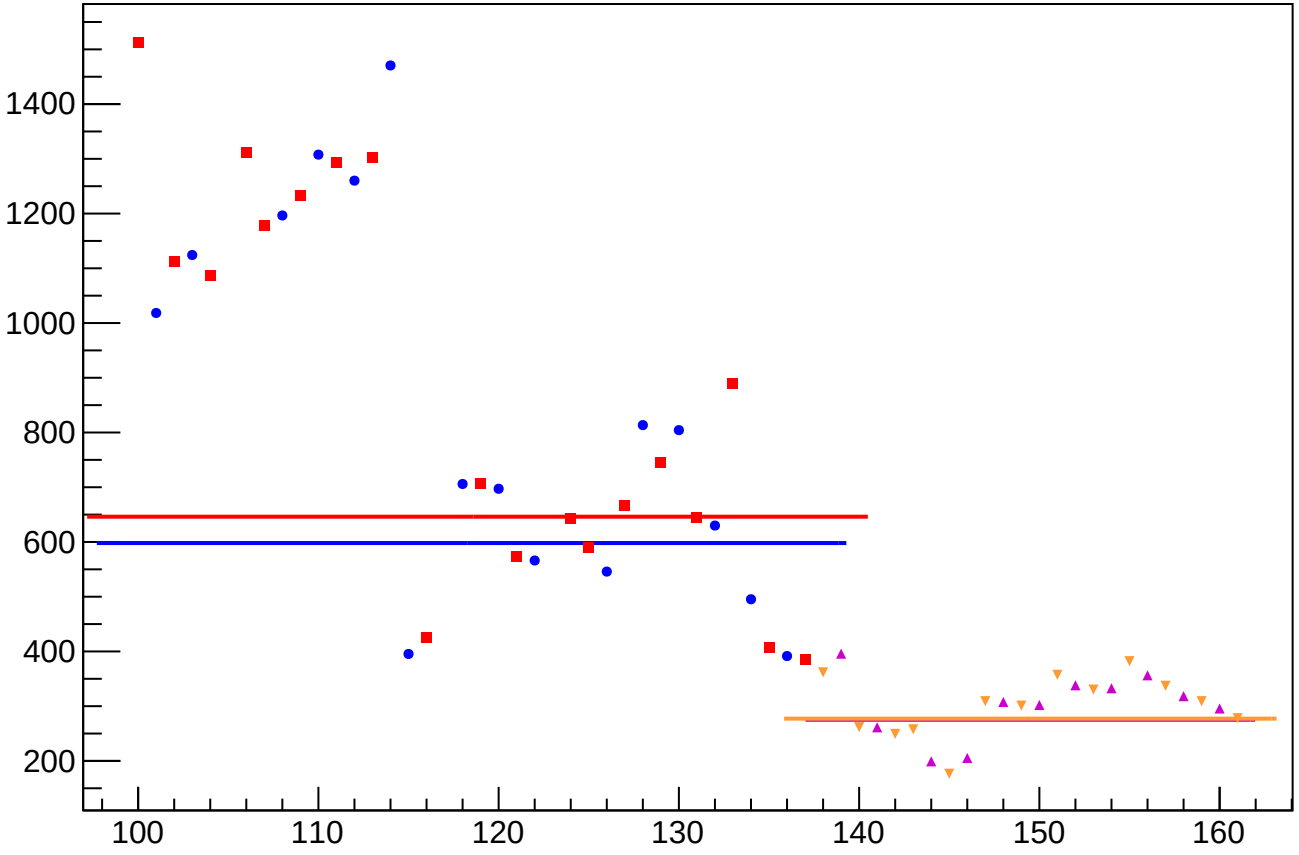
Left In: -57.471+/-91.713 χ^2/NDF:9.7/10

\+ sign -438.115+/-83.091 χ^2/NDF: 45.3/28

All: -270.343+/-59.878 χ^2/NDF: 76.4/58

\- sign -89.100+/-86.363 χ^2/NDF: 22.7/29

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 277.222+/-0.063 χ^2/NDF:984363.9/12

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

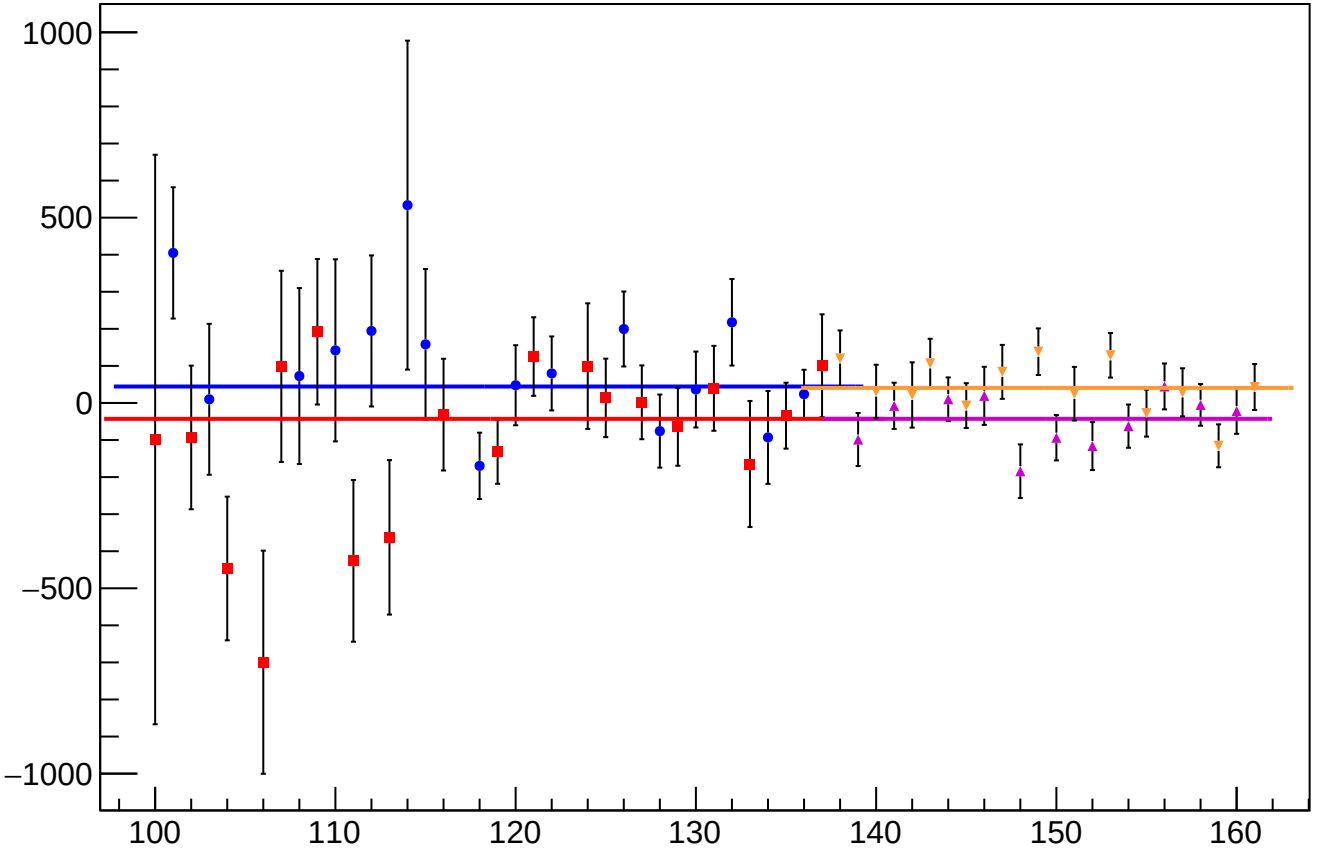
Left In: 275.098+/-0.065 χ^2/NDF:880106.7/10

+ sign 315.259+/-0.059 χ^2/NDF: 6148039.2/28

All: 316.157+/-0.042 χ^2/NDF: 12942717.5/58

- sign 317.128+/-0.061 χ^2/NDF: 6794191.6/29

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 40.648+/-18.402 χ^2/NDF:16.2/12

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

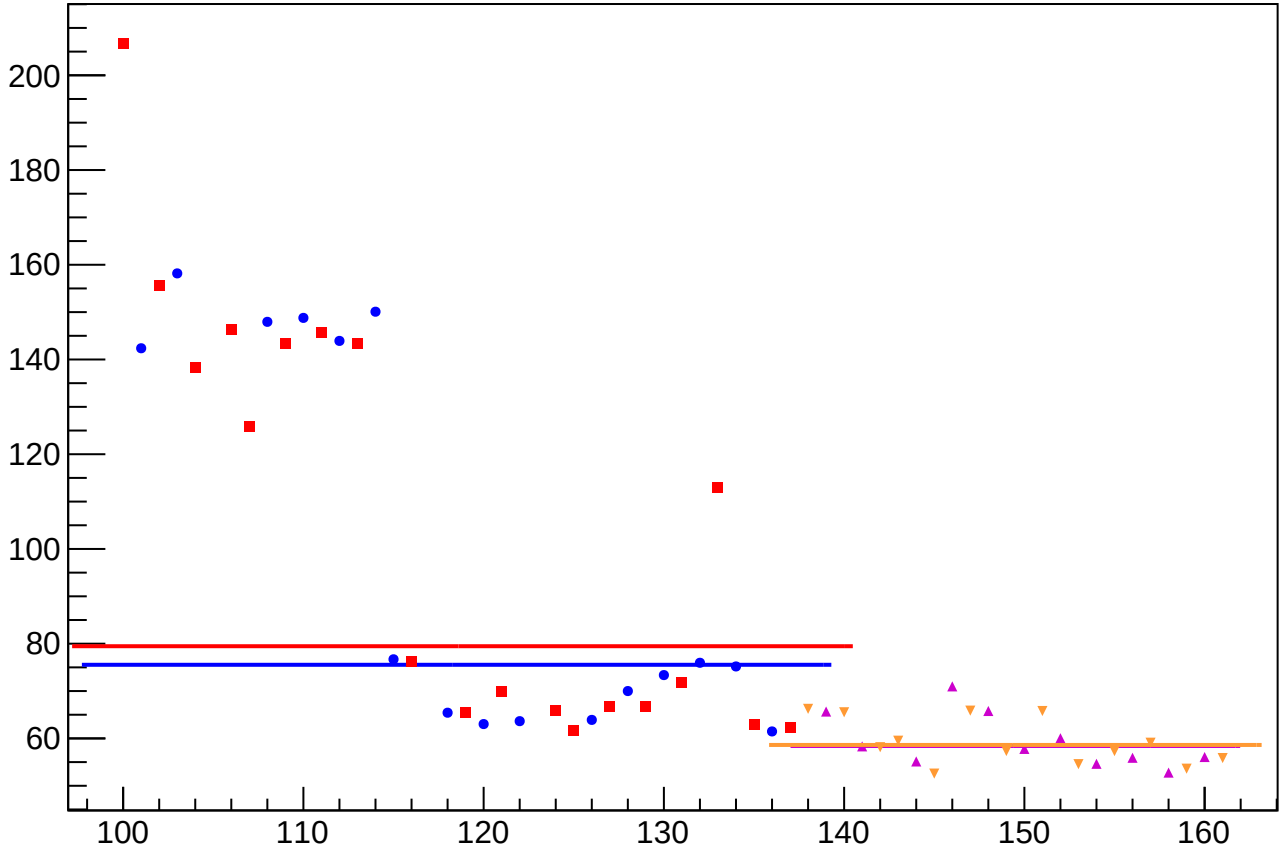
Left In: -42.782+/-19.107 χ^2/NDF:10.8/10

+ sign 41.675+/-15.673 χ^2/NDF: 35.8/28

All: 1.090+/-11.298 χ^2/NDF: 83.9/58

- sign -42.814+/-16.301 χ^2/NDF: 34.1/29

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 58.620+/-0.013 χ^2/NDF:128354.0/12

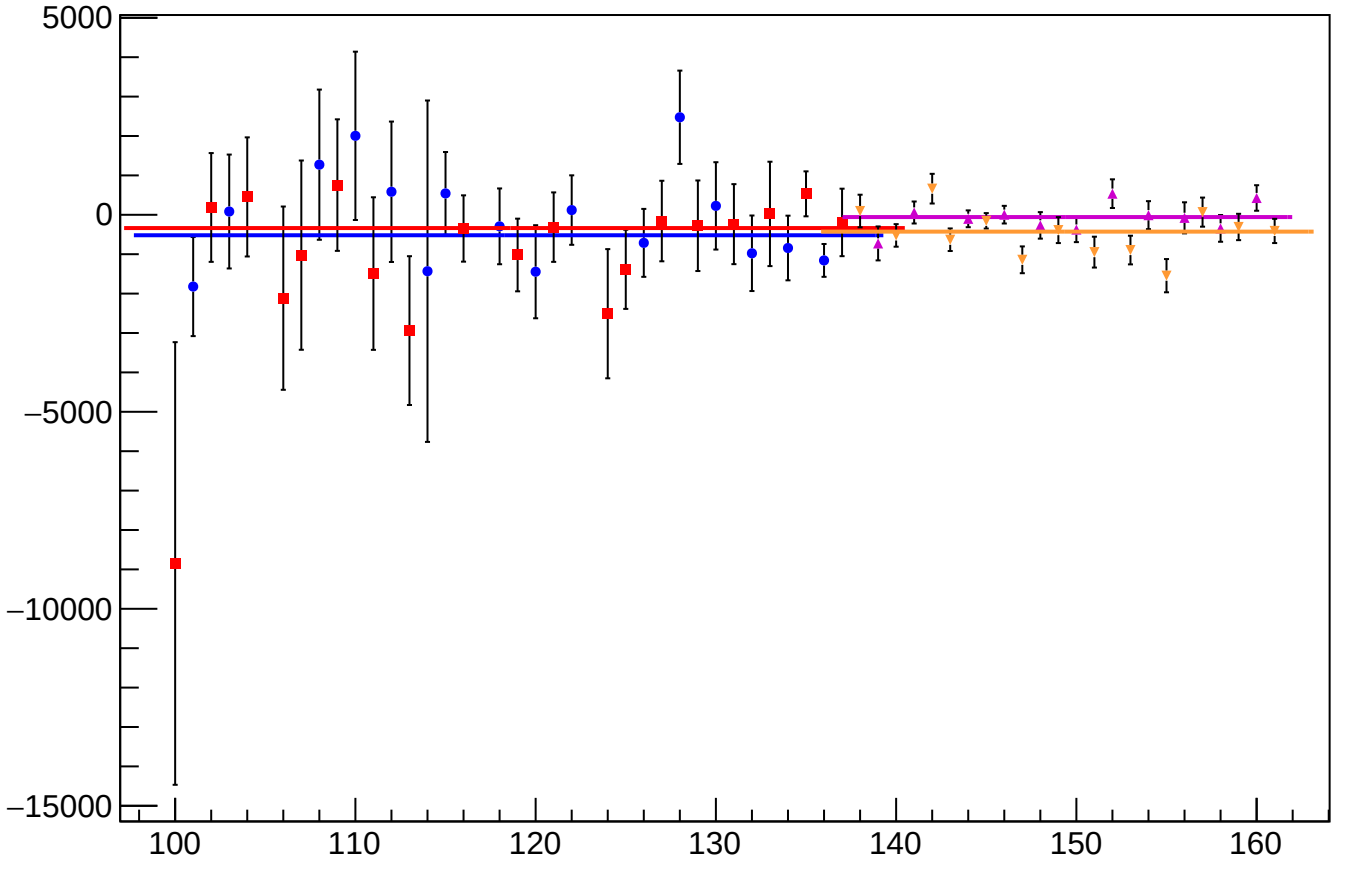
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.397+/-0.014 χ^2/NDF:135061.5/10

+ sign 63.268+/-0.011 χ^2/NDF: 2058421.5/28

All: 63.682+/-0.008 χ^2/NDF: 4541747.1/58

- sign 64.131+/-0.012 χ^2/NDF: 2480412.6/29



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -427.201+/-88.503 χ^2/NDF:29.4/12

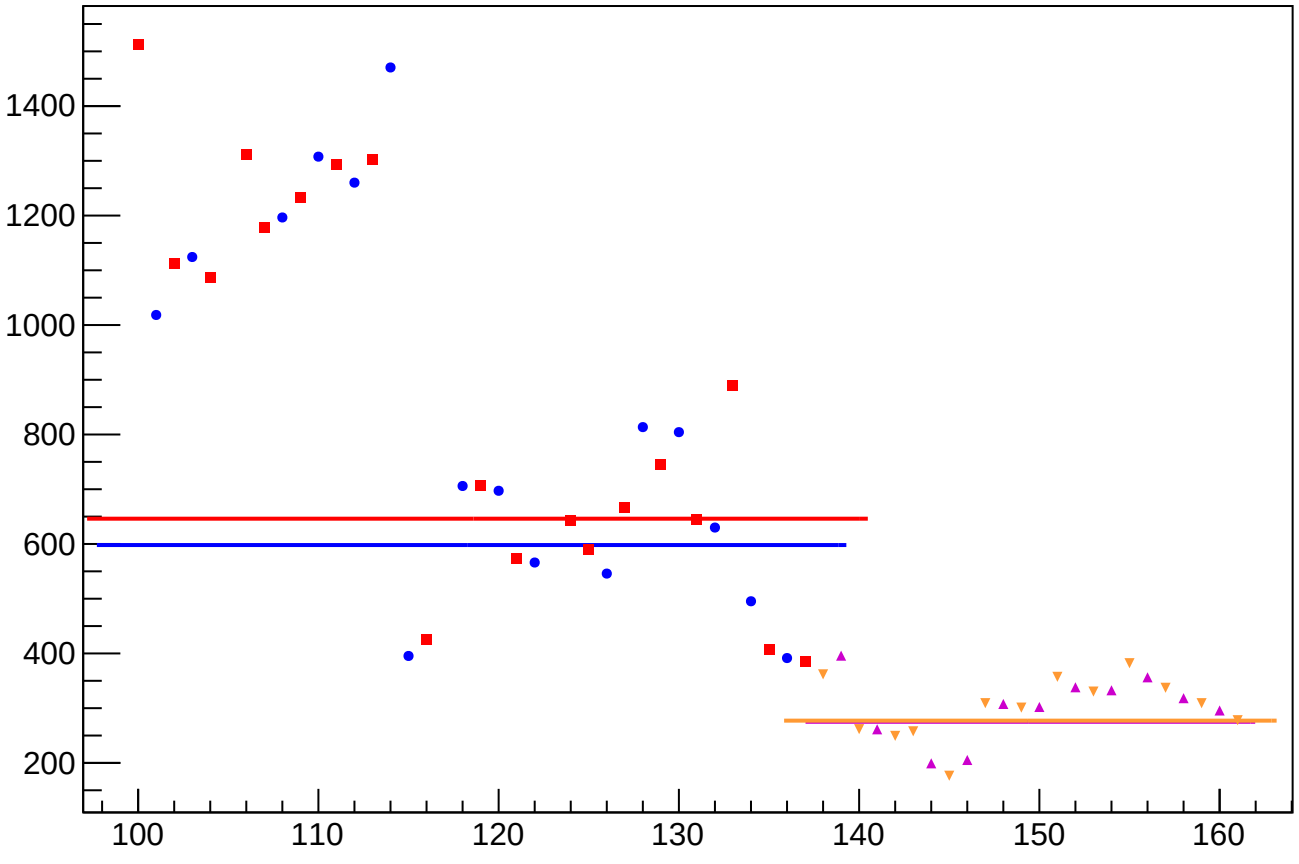
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -57.470+/-91.712 χ^2/NDF:9.7/10

\+ sign -438.114+/-83.091 χ^2/NDF: 45.3/28

All: -270.343+/-59.877 χ^2/NDF: 76.4/58

\- sign -89.100+/-86.363 χ^2/NDF: 22.7/29



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 277.222+/-0.063 χ^2/NDF:984371.3/12

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

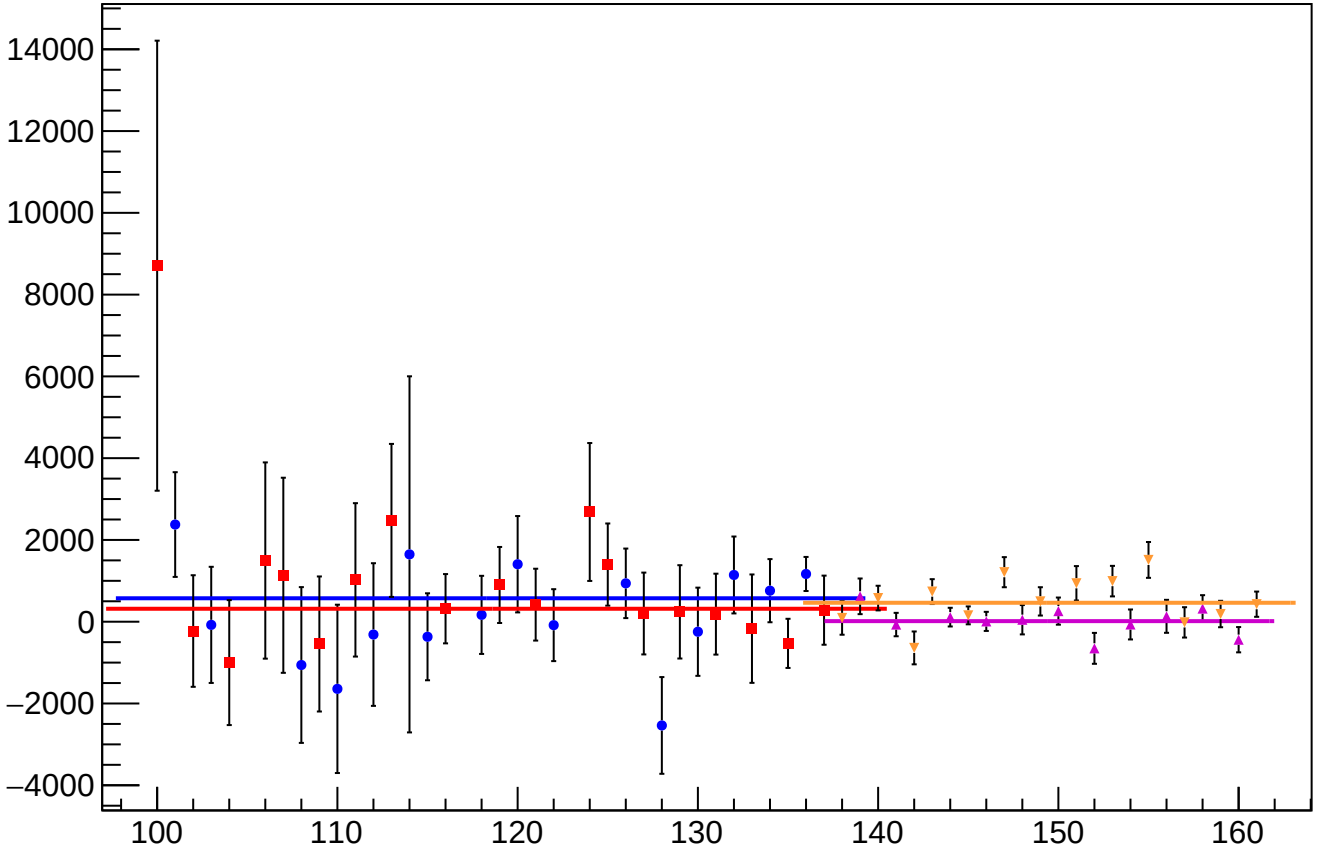
Left In: 275.098+/-0.065 χ^2/NDF:880104.0/10

+ sign 315.258+/-0.059 χ^2/NDF: 6148039.2/28

All: 316.157+/-0.042 χ^2/NDF: 12942706.3/58

- sign 317.128+/-0.061 χ^2/NDF: 6794180.2/29

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 463.389+/-92.889 χ^2/NDF:26.9/12

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

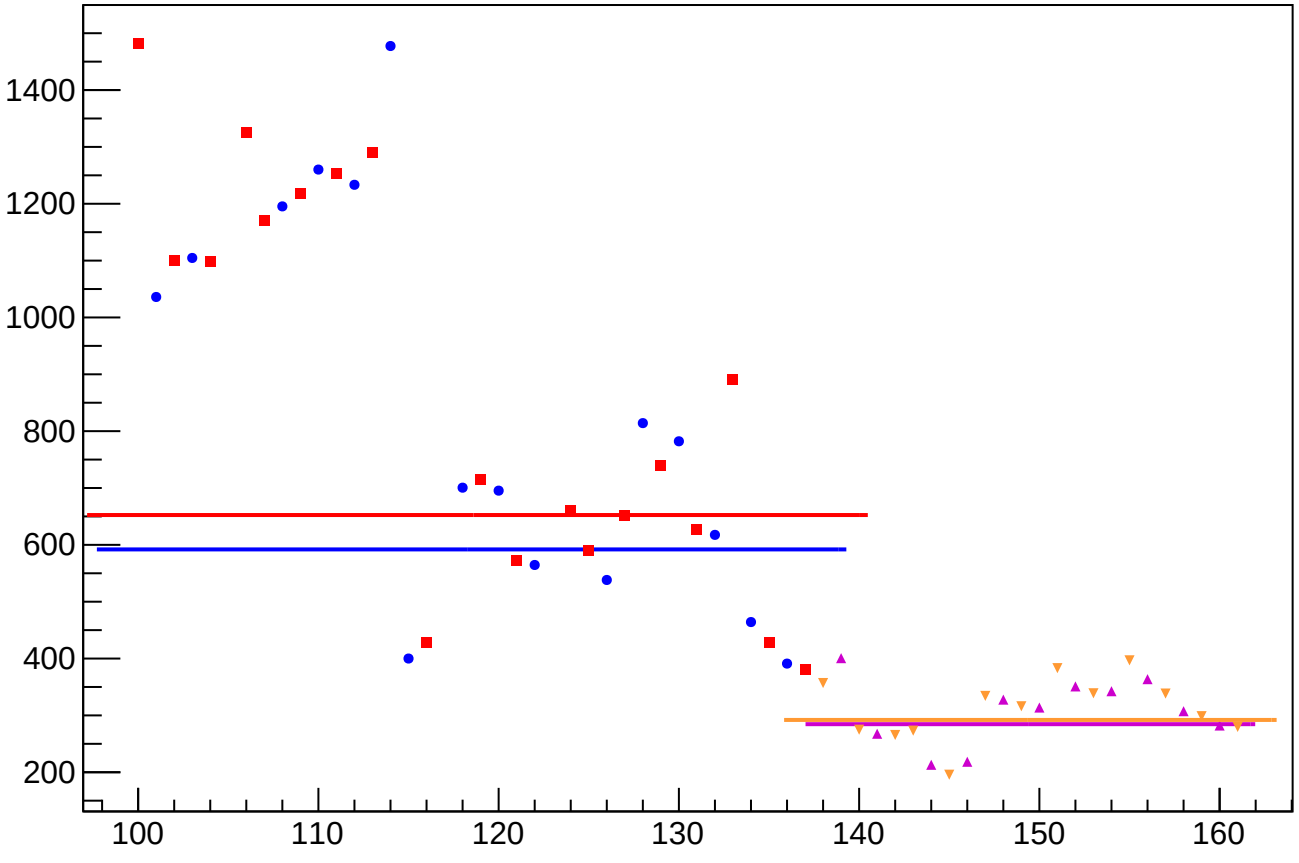
Left In: 14.196+/-94.436 χ^2/NDF:9.0/10

+ sign 477.831+/-86.576 χ^2/NDF: 43.6/28

All: 269.028+/-61.953 χ^2/NDF: 76.8/58

- sign 49.894+/-88.692 χ^2/NDF: 21.3/29

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 292.024+/-0.066 χ^2/NDF:771204.8/12

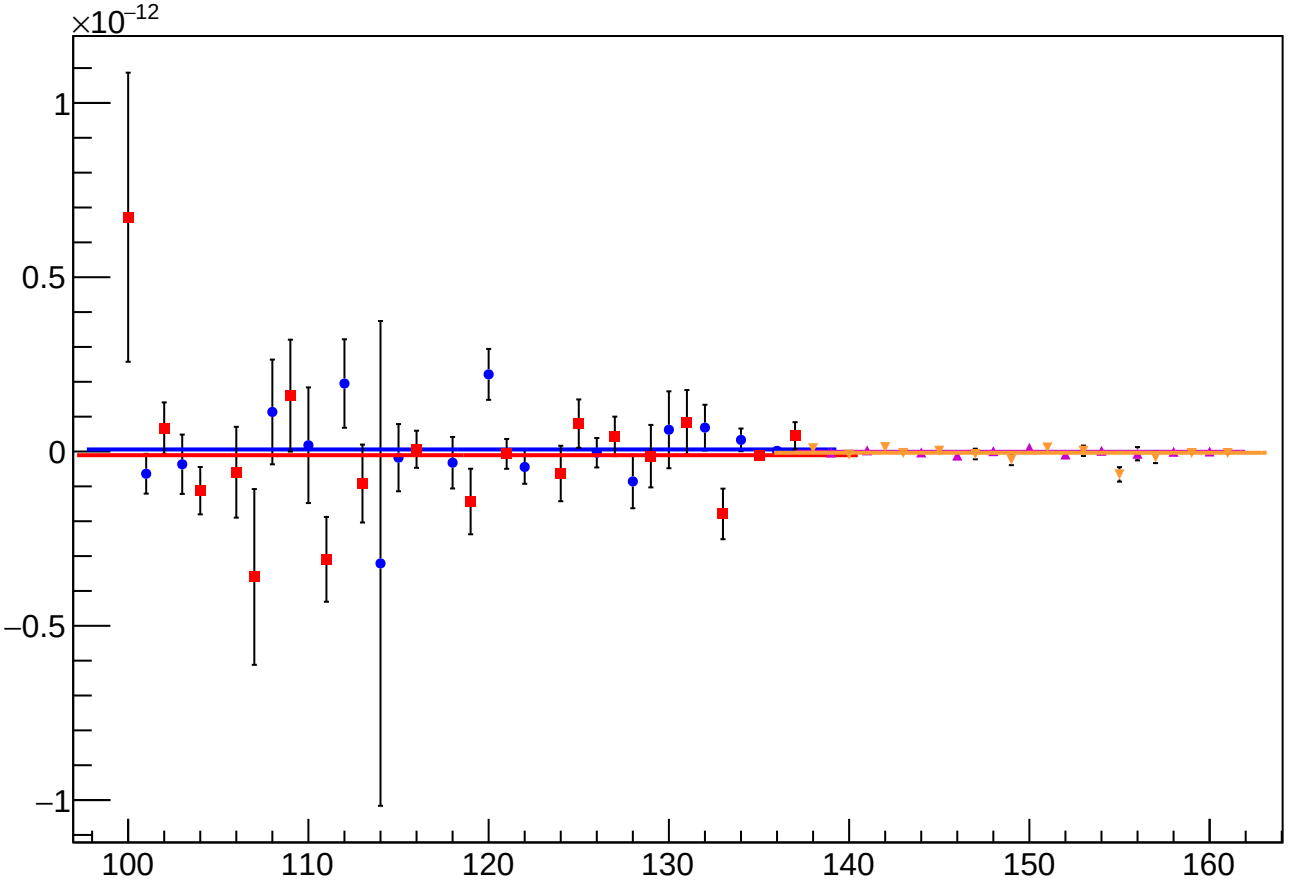
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 284.561+/-0.067 χ^2/NDF:747474.1/10

+ sign 331.409+/-0.061 χ^2/NDF: 5545226.8/28

All: 329.725+/-0.044 χ^2/NDF: 11964646.1/58

- sign 327.957+/-0.063 χ^2/NDF: 6417867.5/29



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

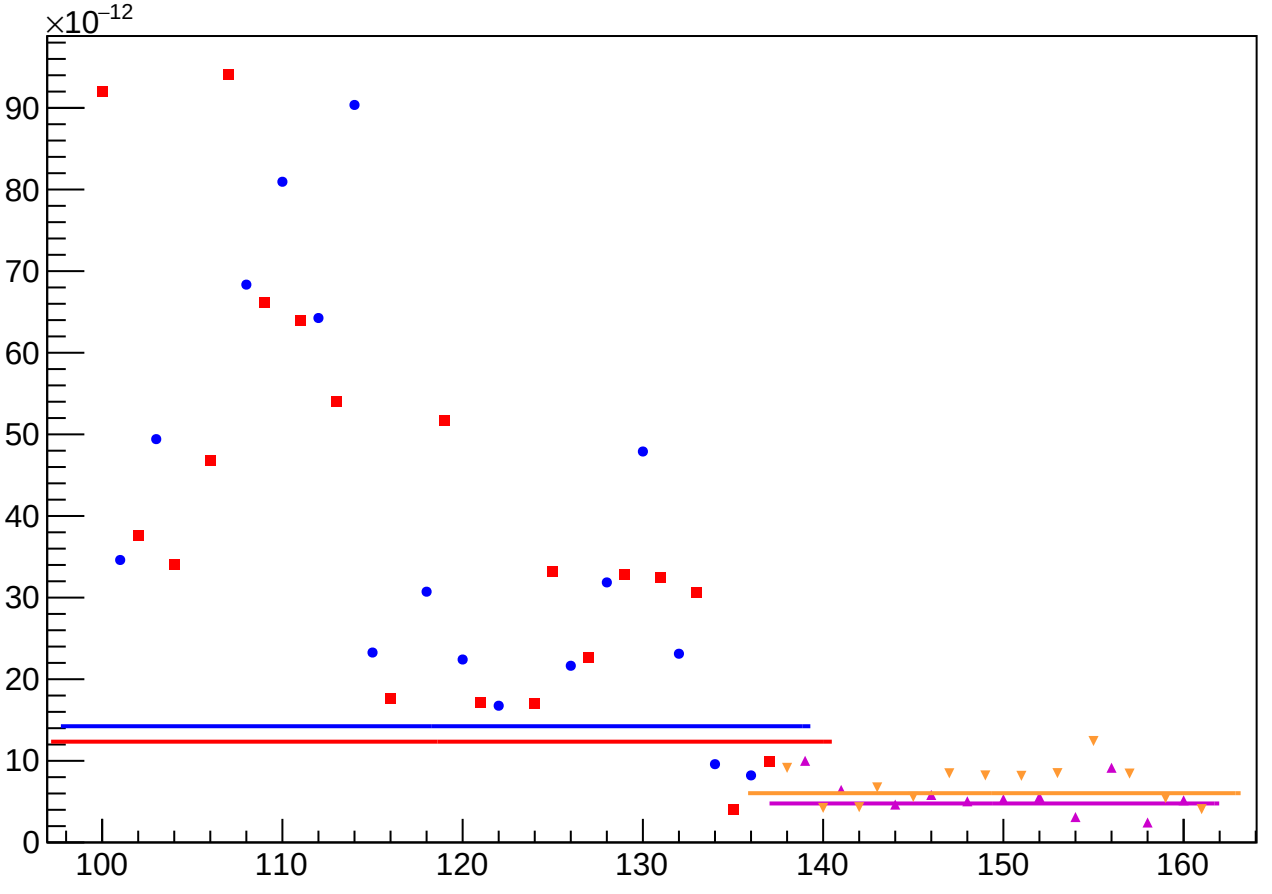
Left In: -0.000+/-0.000 χ^2/NDF:3.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.6/28

All: -0.000+/-0.000 χ^2/NDF: 69.6/58

- sign -0.000+/-0.000 χ^2/NDF: 33.8/29

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:824075.4/12

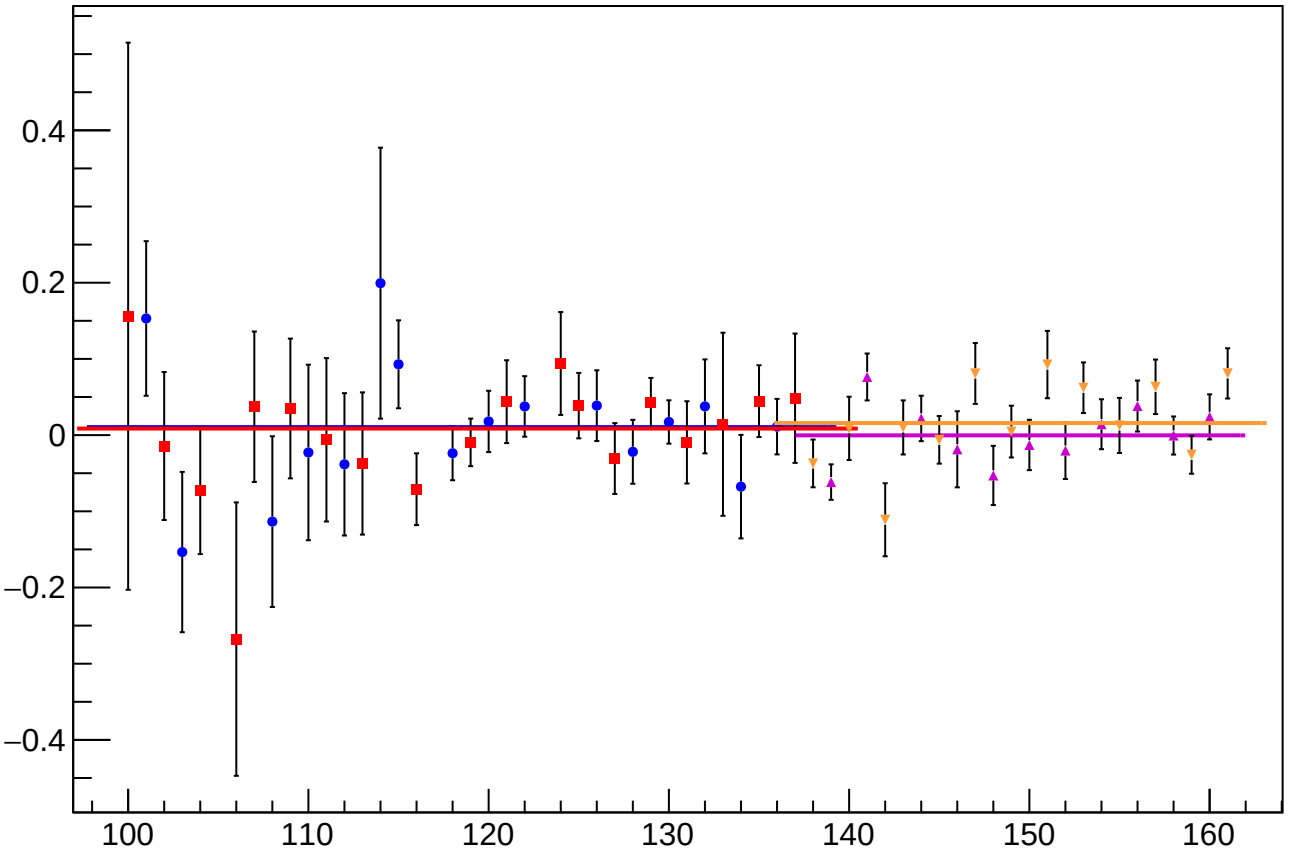
Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:766460.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 4433020.5/28

All: 0.000+/-0.000 χ^2/NDF: 9869417.1/58

- sign 0.000+/-0.000 χ^2/NDF: 5199550.3/29



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.016+/-0.010 χ^2/NDF:26.6/12

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

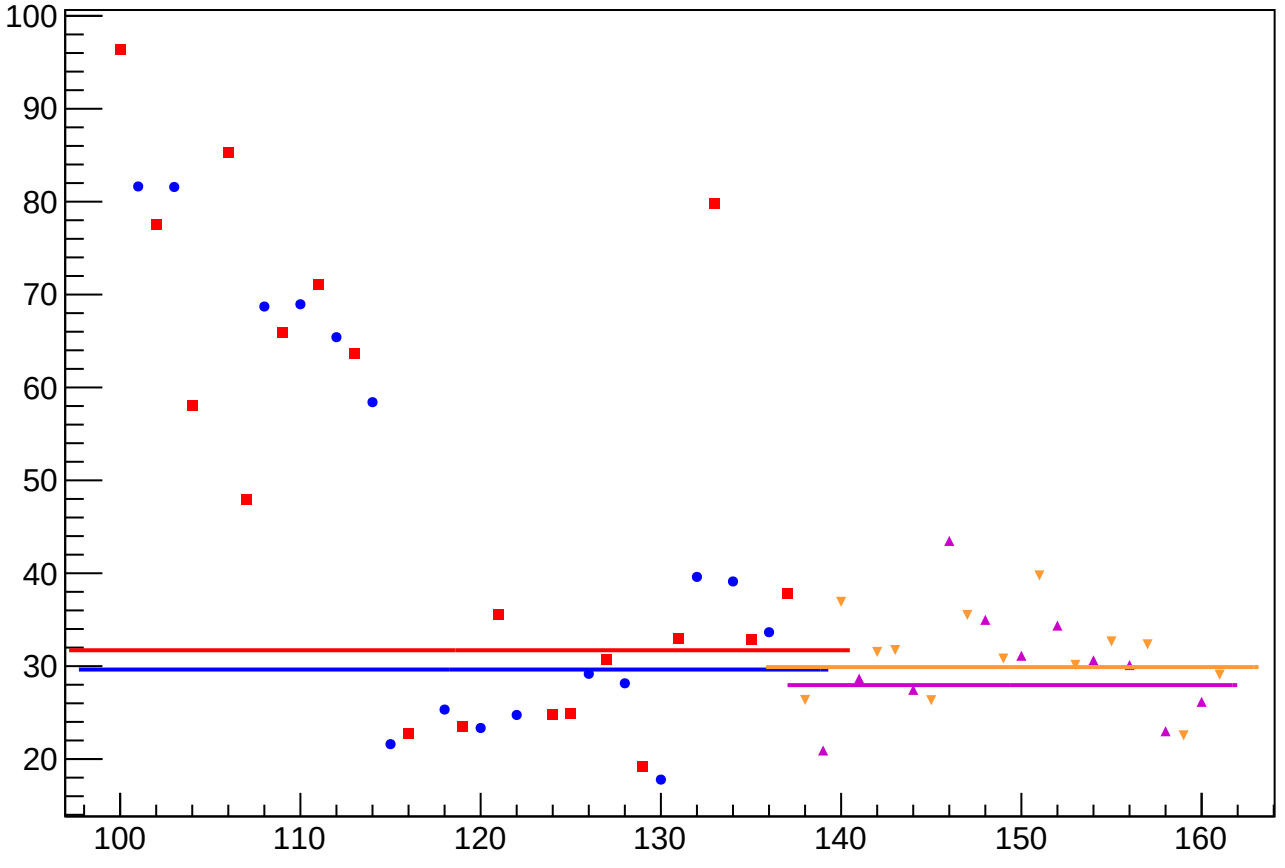
Left In: -0.000+/-0.009 χ^2/NDF:18.3/10

+ sign 0.014+/-0.008 χ^2/NDF: 39.9/28

All: 0.008+/-0.005 χ^2/NDF: 72.0/58

- sign 0.003+/-0.008 χ^2/NDF: 31.0/29

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.898+/-0.007 χ^2/NDF:453149.6/12

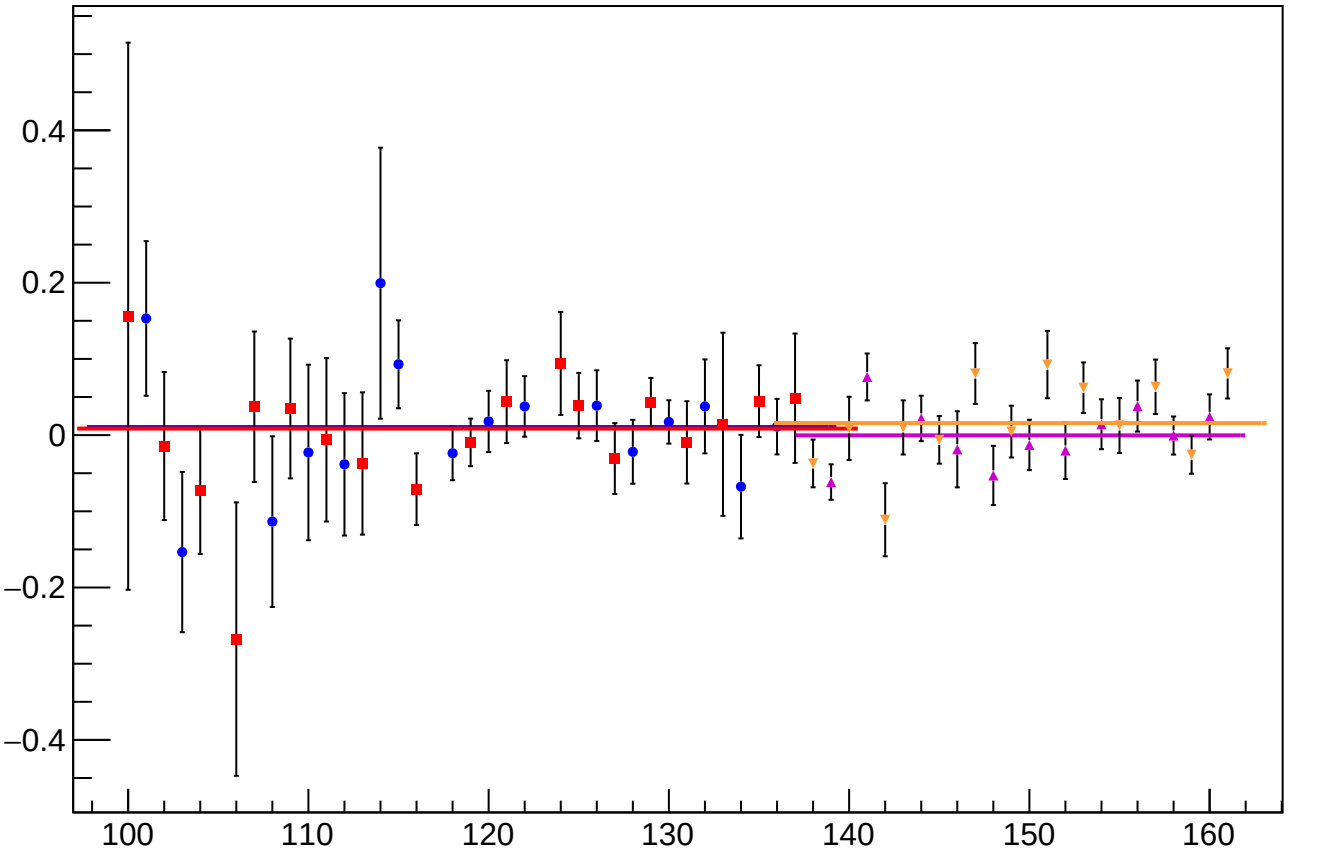
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.958+/-0.007 χ^2/NDF:628226.1/10

+ sign 29.801+/-0.005 χ^2/NDF: 2902171.9/28

All: 29.511+/-0.004 χ^2/NDF: 6294490.1/58

- sign 29.218+/-0.005 χ^2/NDF: 3386515.3/29



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.016+/-0.010 χ^2/NDF:26.6/12

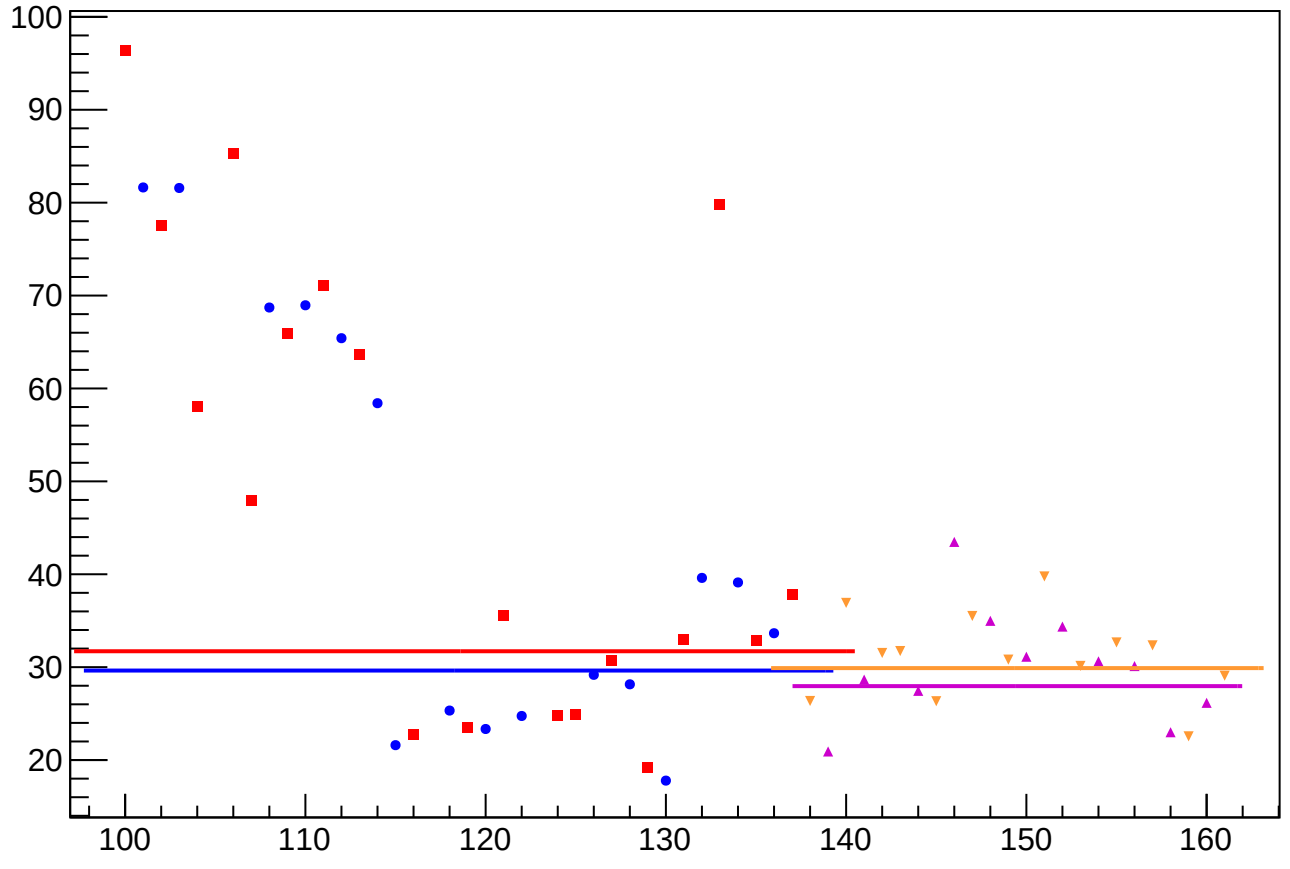
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.009 χ^2/NDF:18.3/10

+ sign 0.014+/-0.008 χ^2/NDF: 39.9/28

All: 0.008+/-0.005 χ^2/NDF: 72.0/58

- sign 0.003+/-0.008 χ^2/NDF: 31.0/29



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.898+/-0.007 χ^2/NDF:453149.6/12

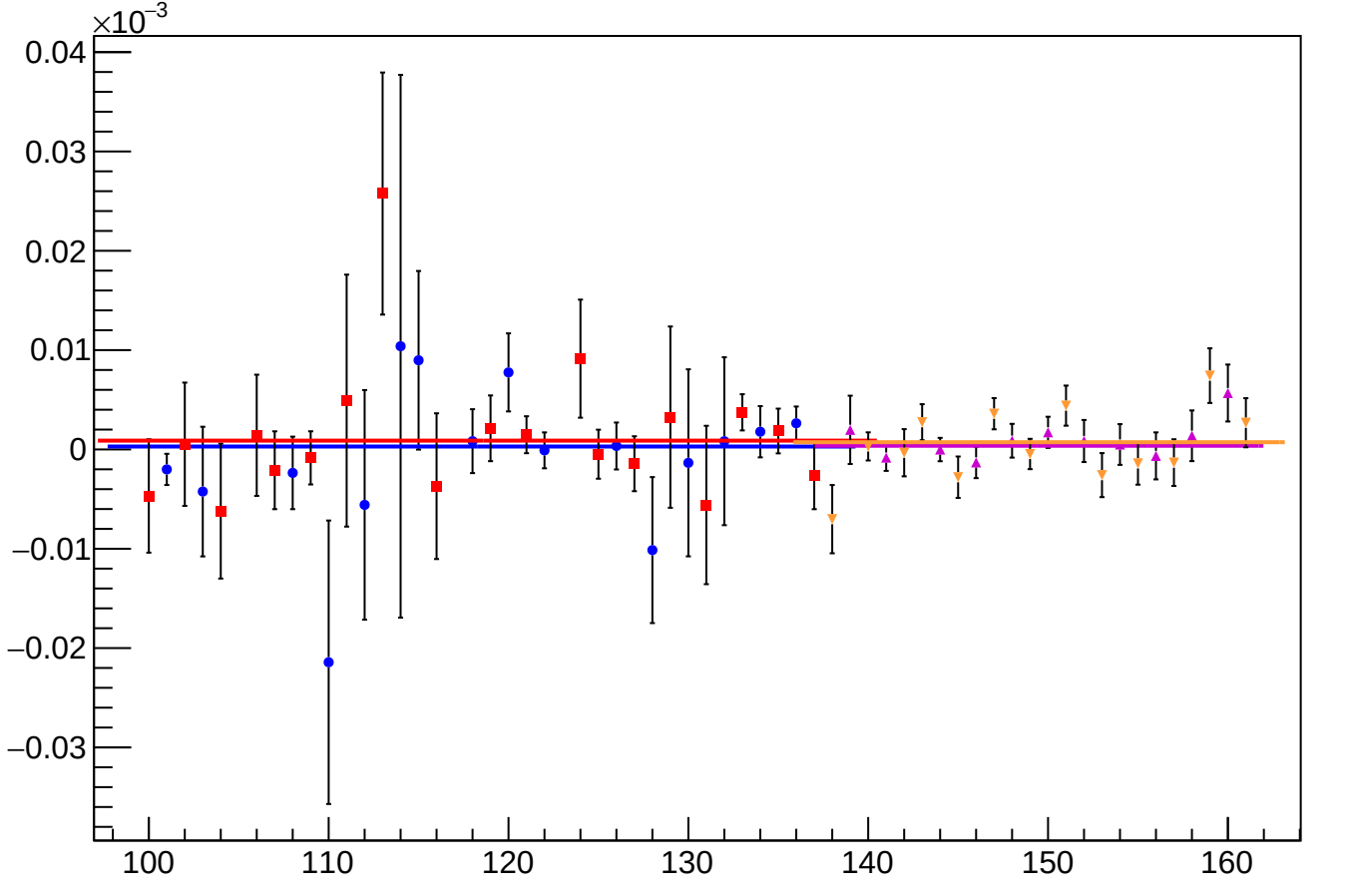
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.958+/-0.007 χ^2/NDF:628226.1/10

+ sign 29.801+/-0.005 χ^2/NDF: 2902171.9/28

All: 29.511+/-0.004 χ^2/NDF: 6294490.1/58

- sign 29.218+/-0.005 χ^2/NDF: 3386515.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/12

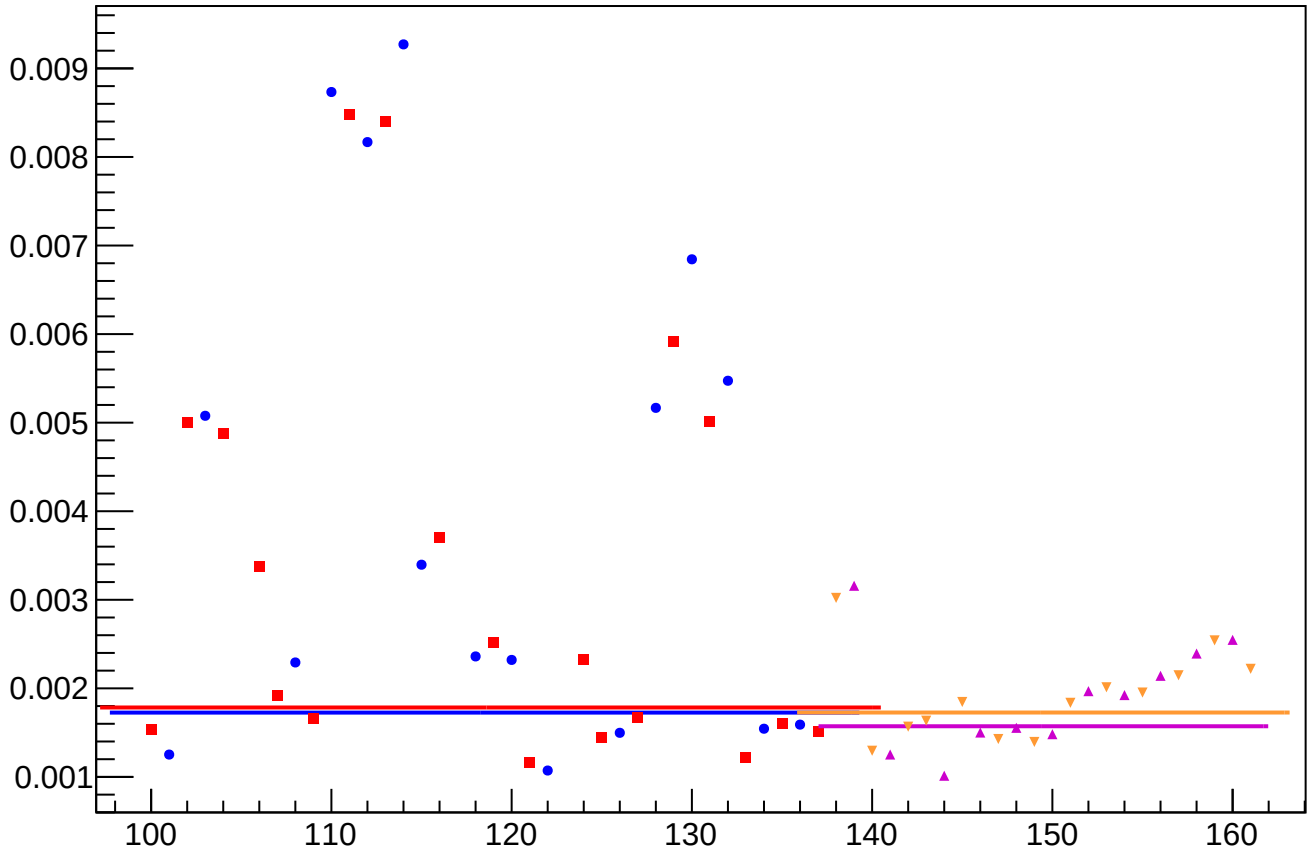
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 42.3/28

All: 0.000+/-0.000 χ^2/NDF: 64.9/58

- sign 0.000+/-0.000 χ^2/NDF: 22.6/29



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1037760.2/12

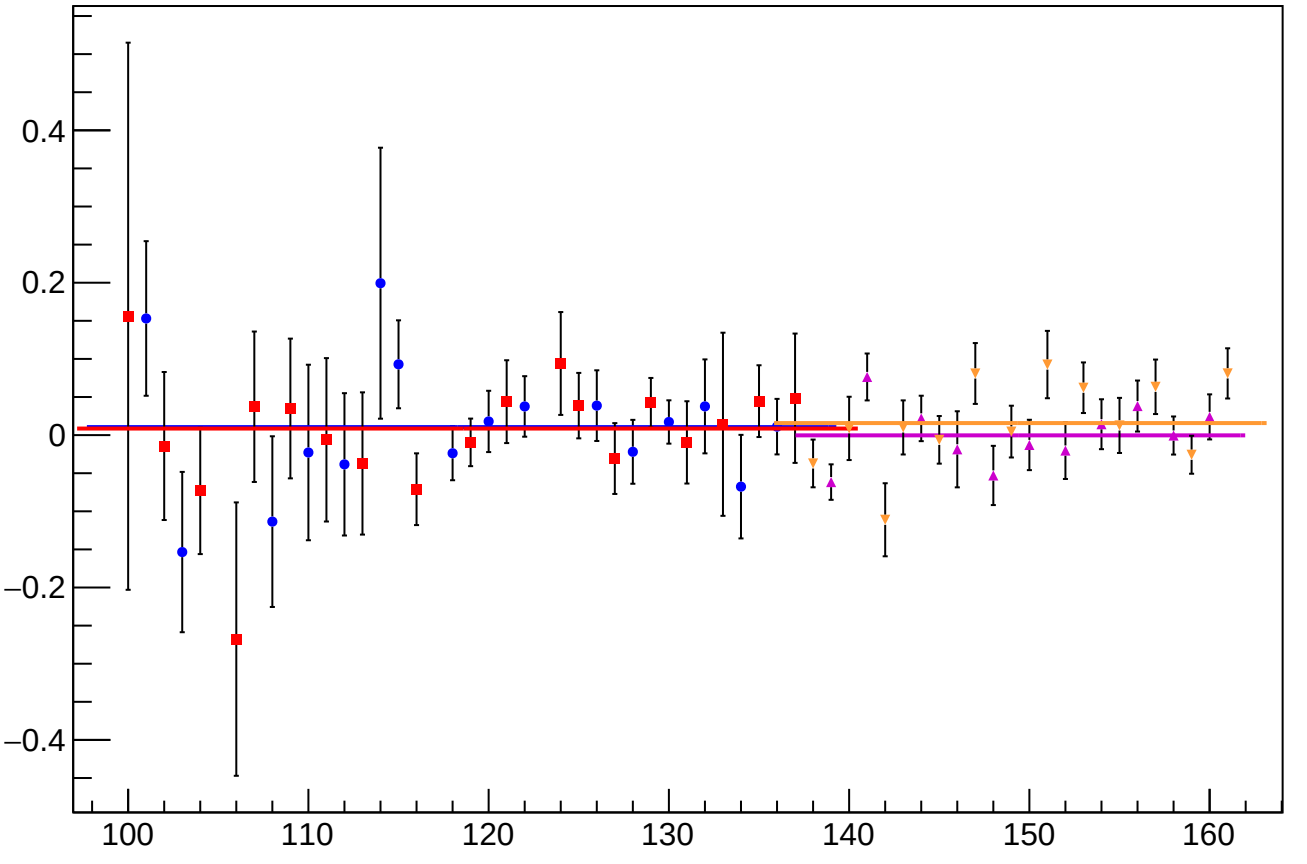
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1685412.5/10

+ sign 0.002+/-0.000 χ^2/NDF: 4970006.5/28

All: 0.002+/-0.000 χ^2/NDF: 10511780.7/58

- sign 0.002+/-0.000 χ^2/NDF: 5504671.8/29



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.016+/-0.010 χ^2/NDF:26.6/12

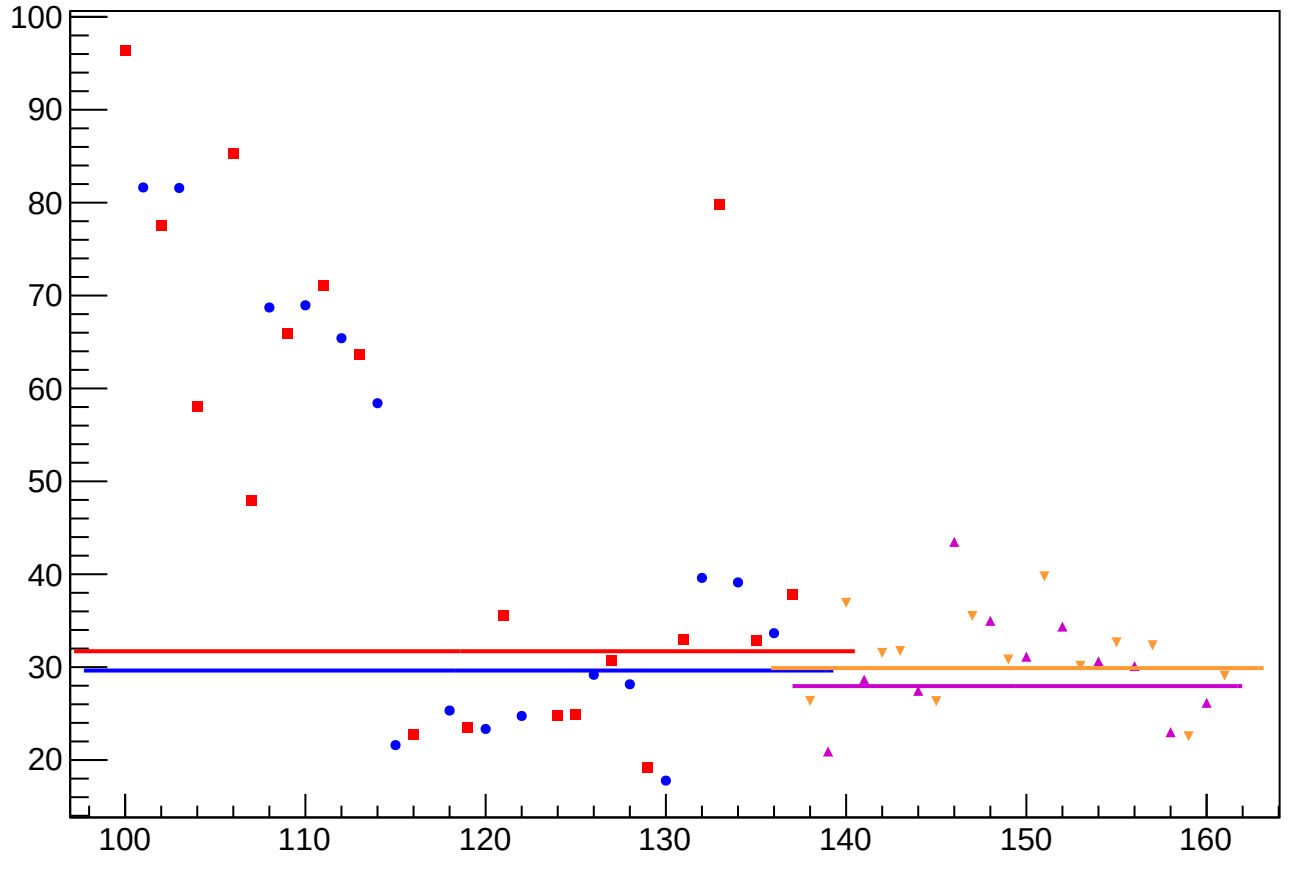
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.009 χ^2/NDF:18.3/10

+ sign 0.014+/-0.008 χ^2/NDF: 39.9/28

All: 0.008+/-0.005 χ^2/NDF: 72.0/58

- sign 0.003+/-0.008 χ^2/NDF: 31.0/29



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.898+/-0.007 χ^2/NDF:453174.8/12

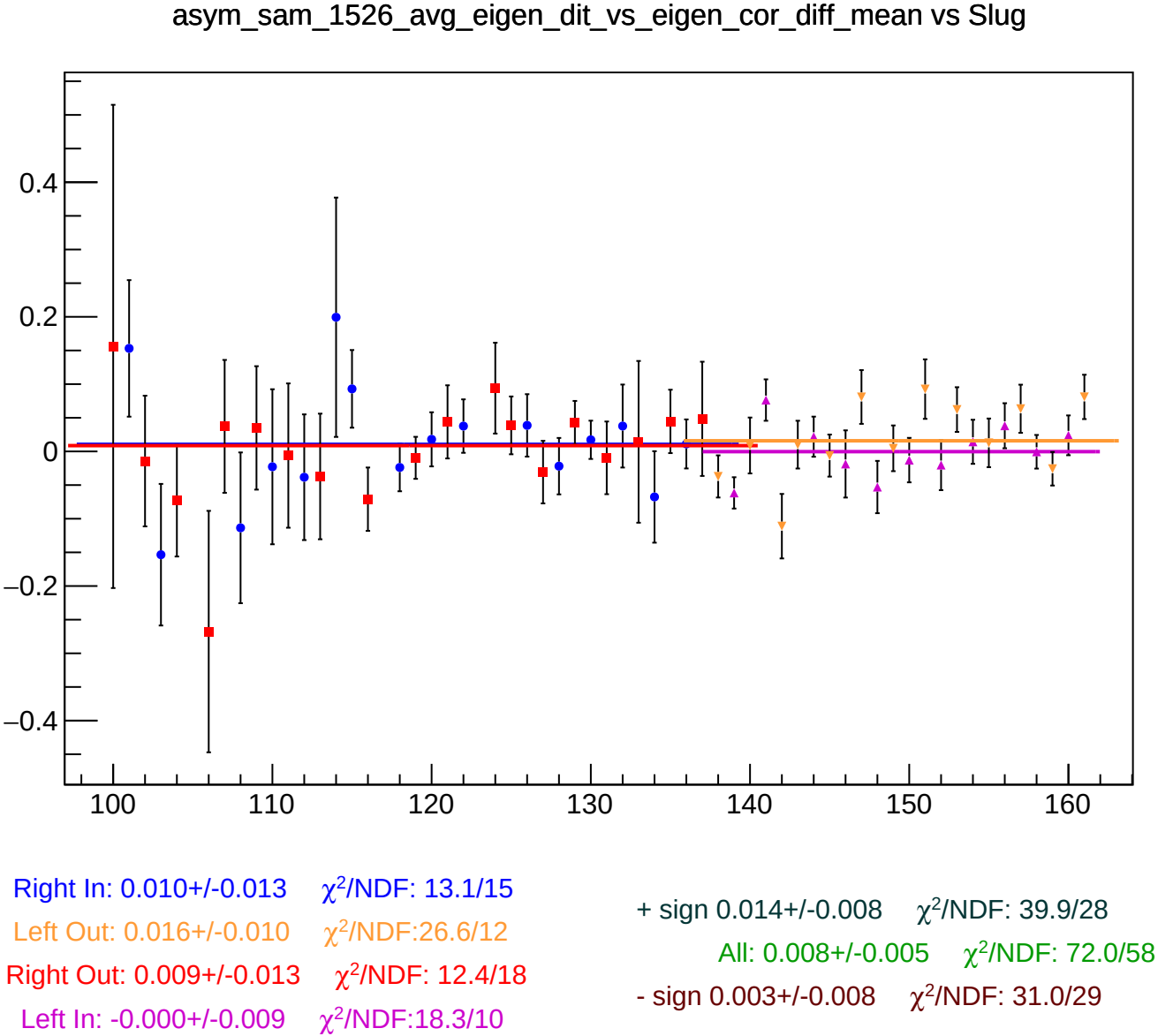
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

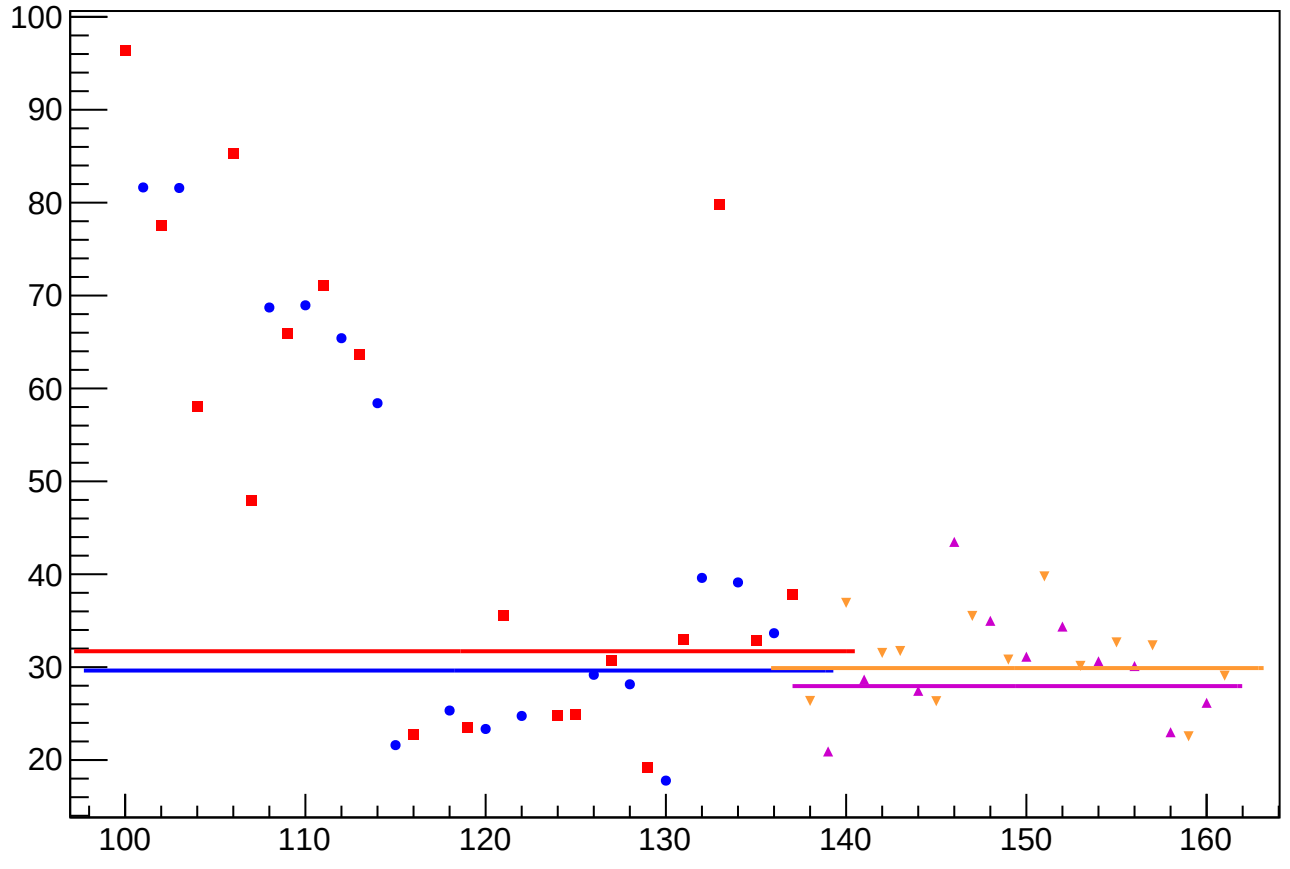
Left In: 27.958+/-0.007 χ^2/NDF:628240.6/10

+ sign 29.800+/-0.005 χ^2/NDF: 2902406.0/28

All: 29.511+/-0.004 χ^2/NDF: 6294821.7/58

- sign 29.218+/-0.005 χ^2/NDF: 3386615.1/29


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: 0.010+/-0.013 χ²/NDF: 13.1/15
Left Out: 0.016+/-0.010 χ²/NDF:26.6/12
Right Out: 0.009+/-0.013 χ²/NDF: 12.4/18
Left In: -0.000+/-0.009 χ²/NDF:18.3/10
+ sign 0.014+/-0.008 χ²/NDF: 39.9/28
All: 0.008+/-0.005 χ²/NDF: 72.0/58
- sign 0.003+/-0.008 χ²/NDF: 31.0/29



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.898+/-0.007 χ^2/NDF:453174.8/12

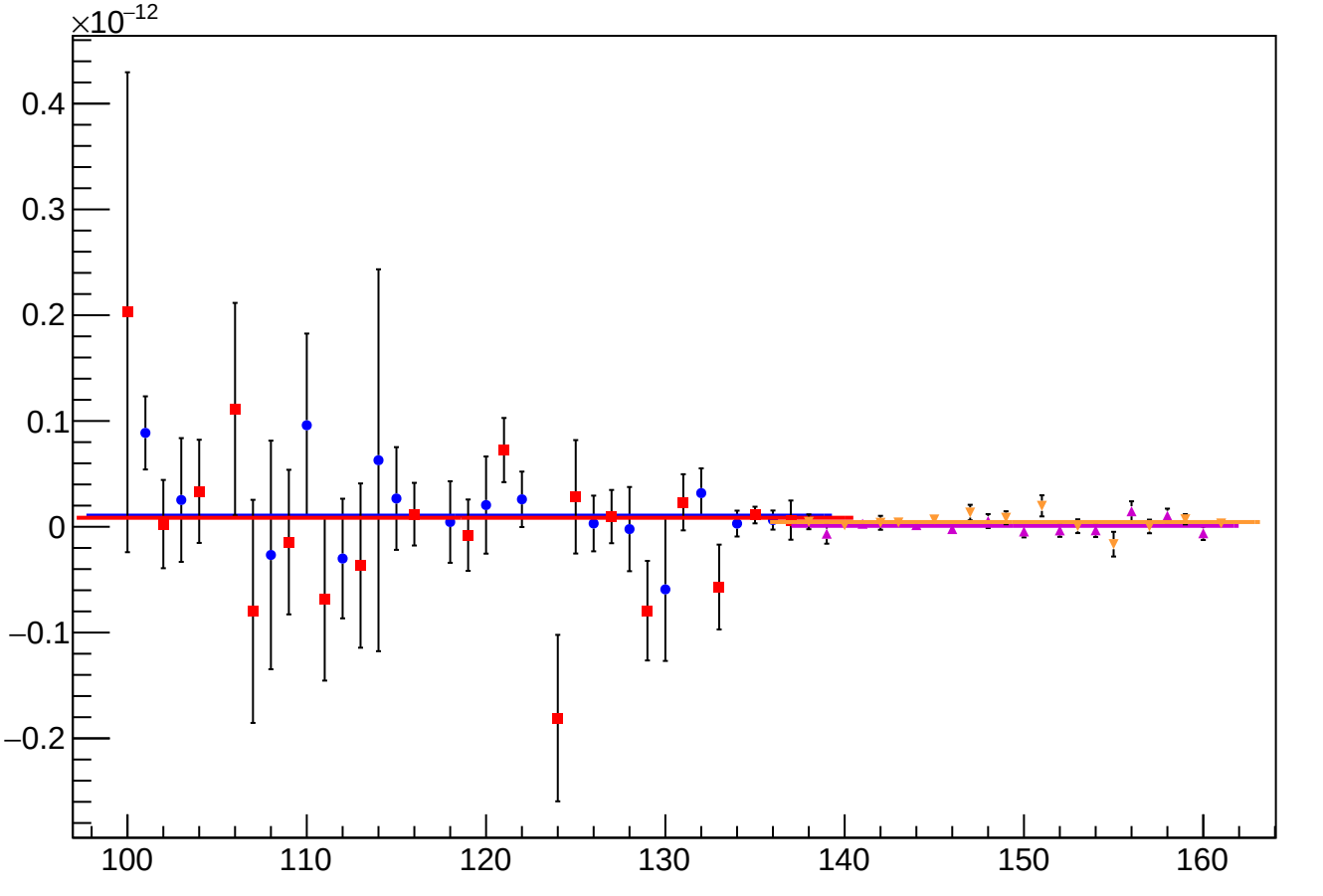
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.958+/-0.007 χ^2/NDF:628240.6/10

+ sign 29.800+/-0.005 χ^2/NDF: 2902406.0/28

All: 29.511+/-0.004 χ^2/NDF: 6294821.7/58

- sign 29.218+/-0.005 χ^2/NDF: 3386615.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/12

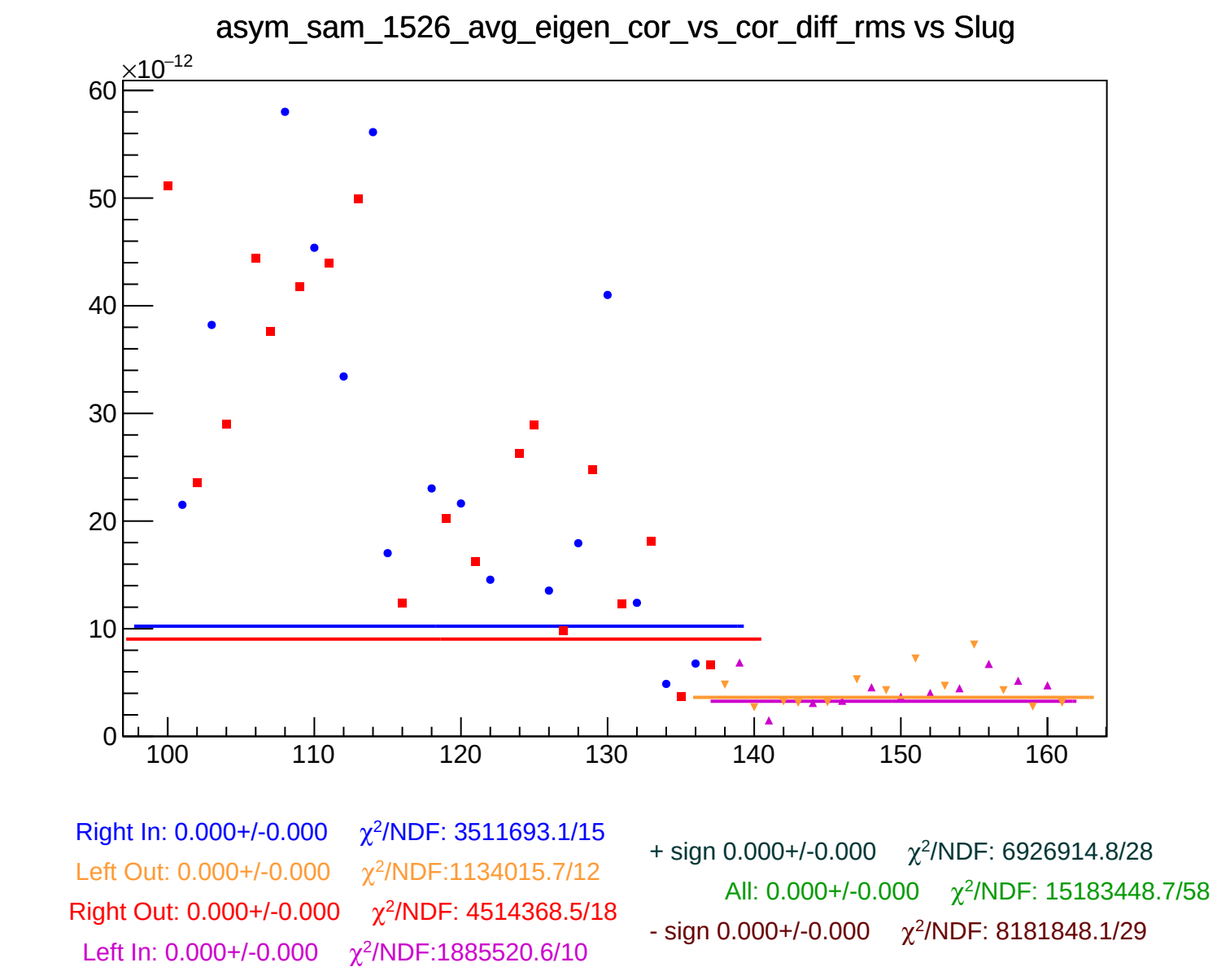
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/10

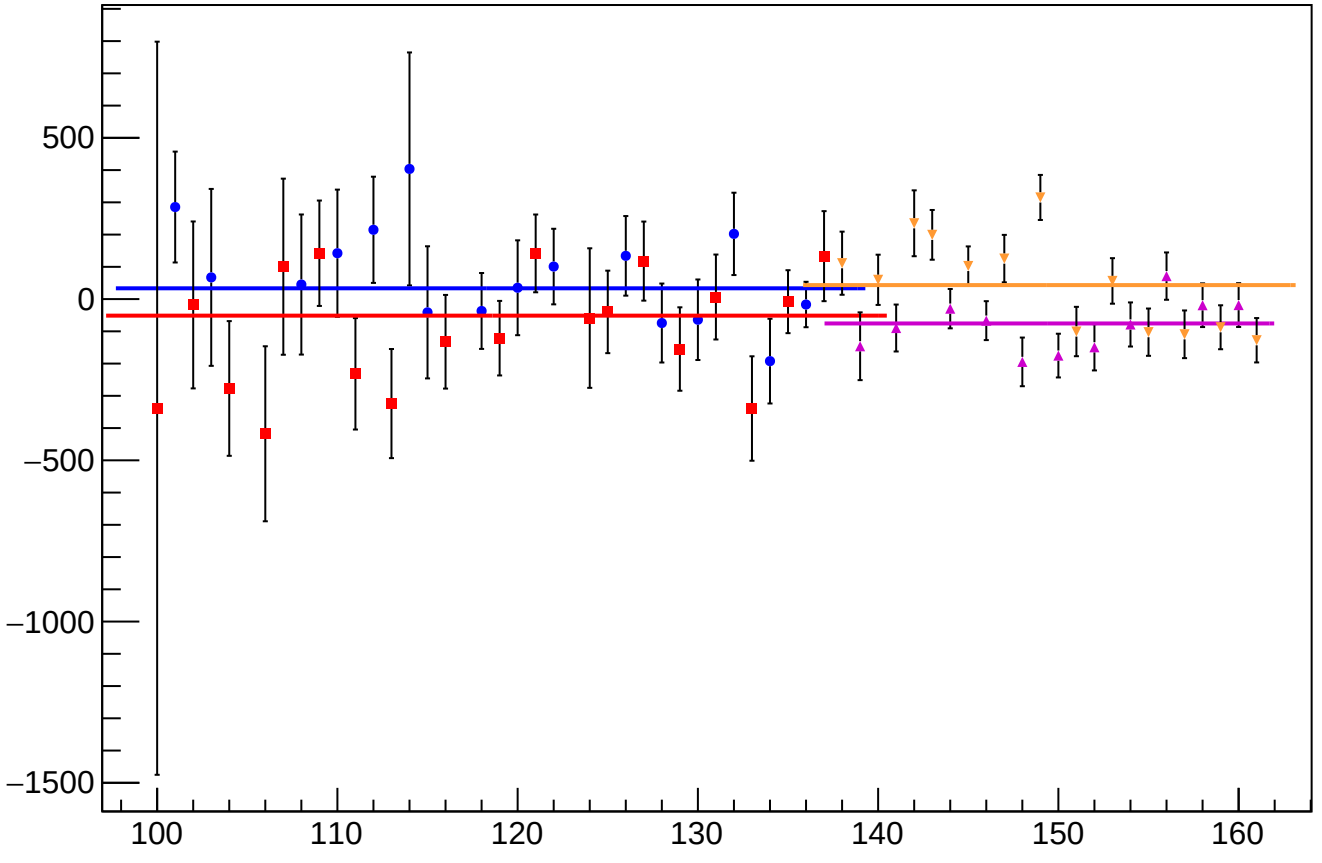
+ sign 0.000+/-0.000 χ^2/NDF: 20.7/28

All: 0.000+/-0.000 χ^2/NDF: 55.6/58

- sign 0.000+/-0.000 χ^2/NDF: 32.2/29


asym_sam_1526_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
Right In: 0.000+/-0.000 χ²/NDF: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1134015.7/12
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:1885520.6/10
+ sign 0.000+/-0.000 χ²/NDF: 6926914.8/28
All: 0.000+/-0.000 χ²/NDF: 15183448.7/58
- sign 0.000+/-0.000 χ²/NDF: 8181848.1/29

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 43.378+/-20.581 χ^2/NDF:47.1/12

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

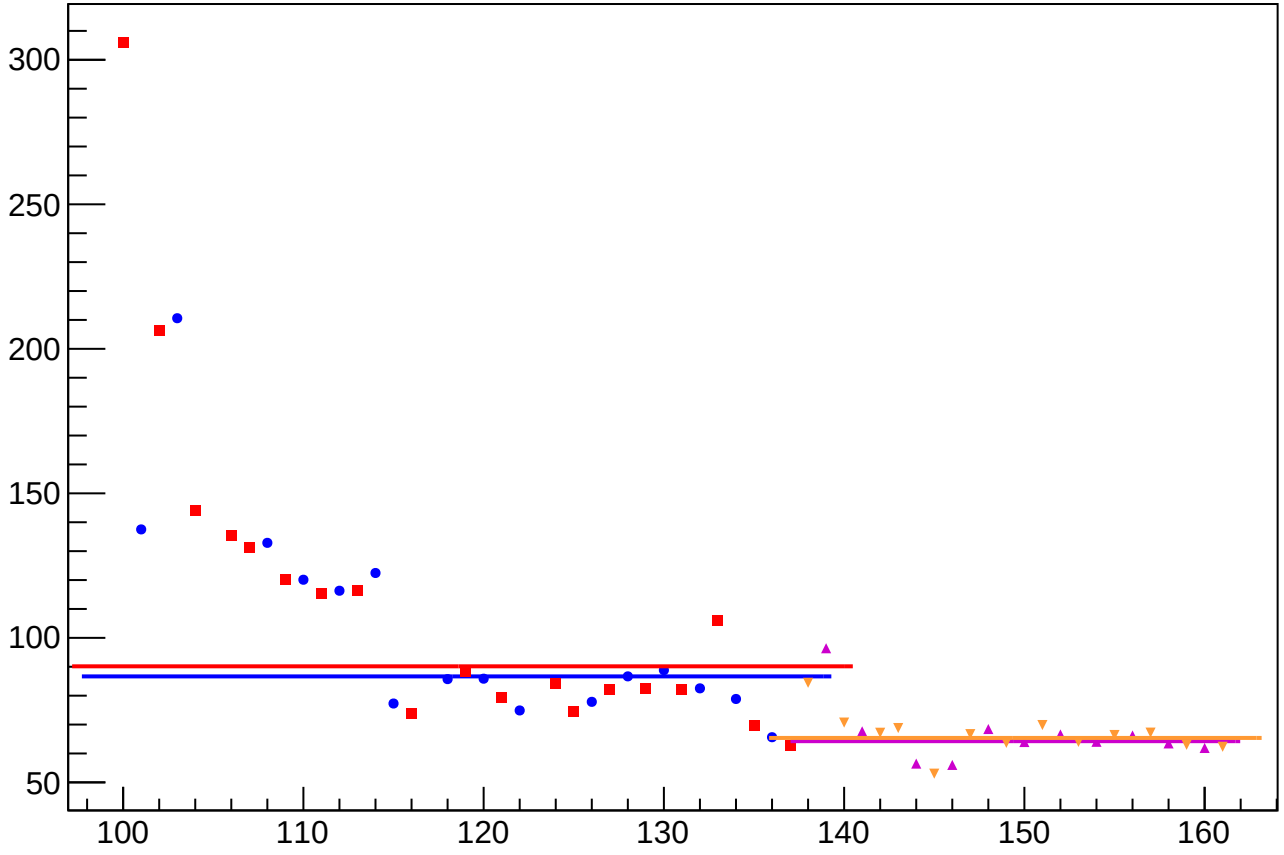
Left In: -75.574+/-21.111 χ^2/NDF:12.2/10

+ sign 40.697+/-17.590 χ^2/NDF: 60.0/28

All: -12.748+/-12.600 χ^2/NDF: 111.1/58

- sign -69.068+/-18.057 χ^2/NDF: 32.1/29

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.375+/-0.015 χ^2/NDF:190205.4/12

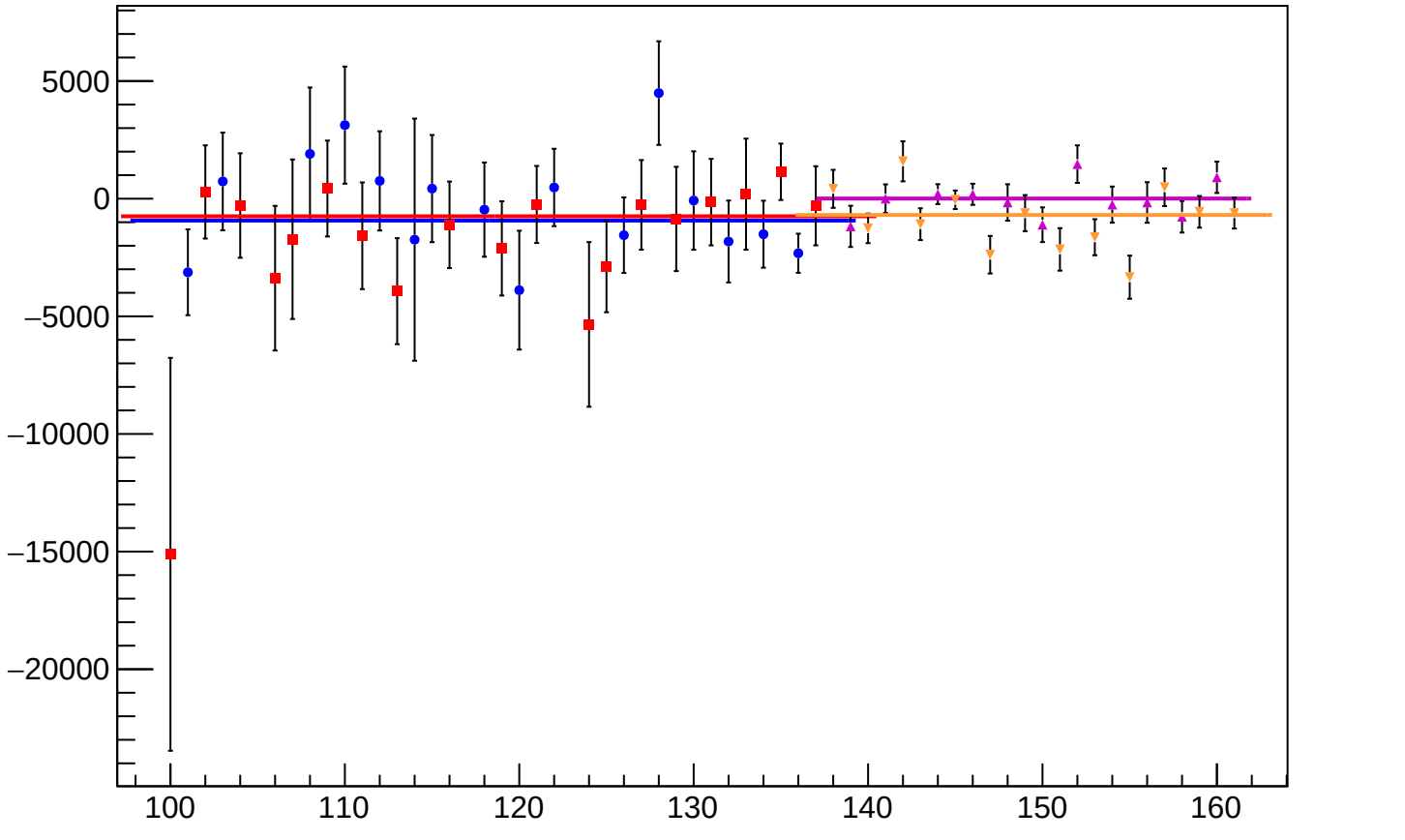
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.254+/-0.015 χ^2/NDF:273486.8/10

+ sign 71.114+/-0.012 χ^2/NDF: 1805953.4/28

All: 71.159+/-0.009 χ^2/NDF: 4037467.4/58

- sign 71.206+/-0.013 χ^2/NDF: 2231487.1/29



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -693.122+/-190.600 χ^2/NDF:32.1/12

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

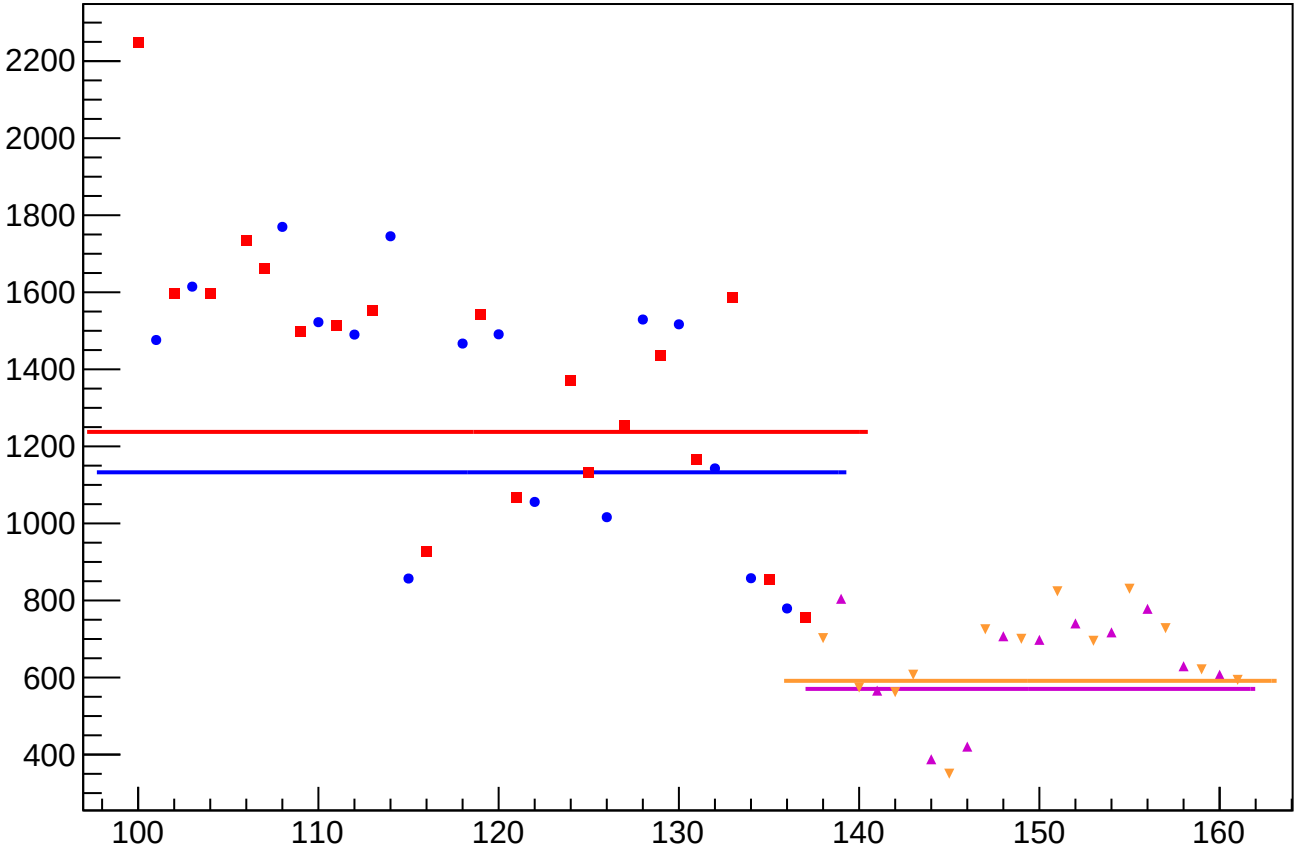
Left In: 7.086+/-191.795 χ^2/NDF:11.2/10

\+ sign -730.392+/-174.952 χ^2/NDF: 50.9/28

All: -420.390+/-124.589 χ^2/NDF: 83.6/58

\- sign -101.419+/-177.465 χ^2/NDF: 26.4/29

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 591.412+/-0.135 χ^2/NDF:1251924.6/12

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

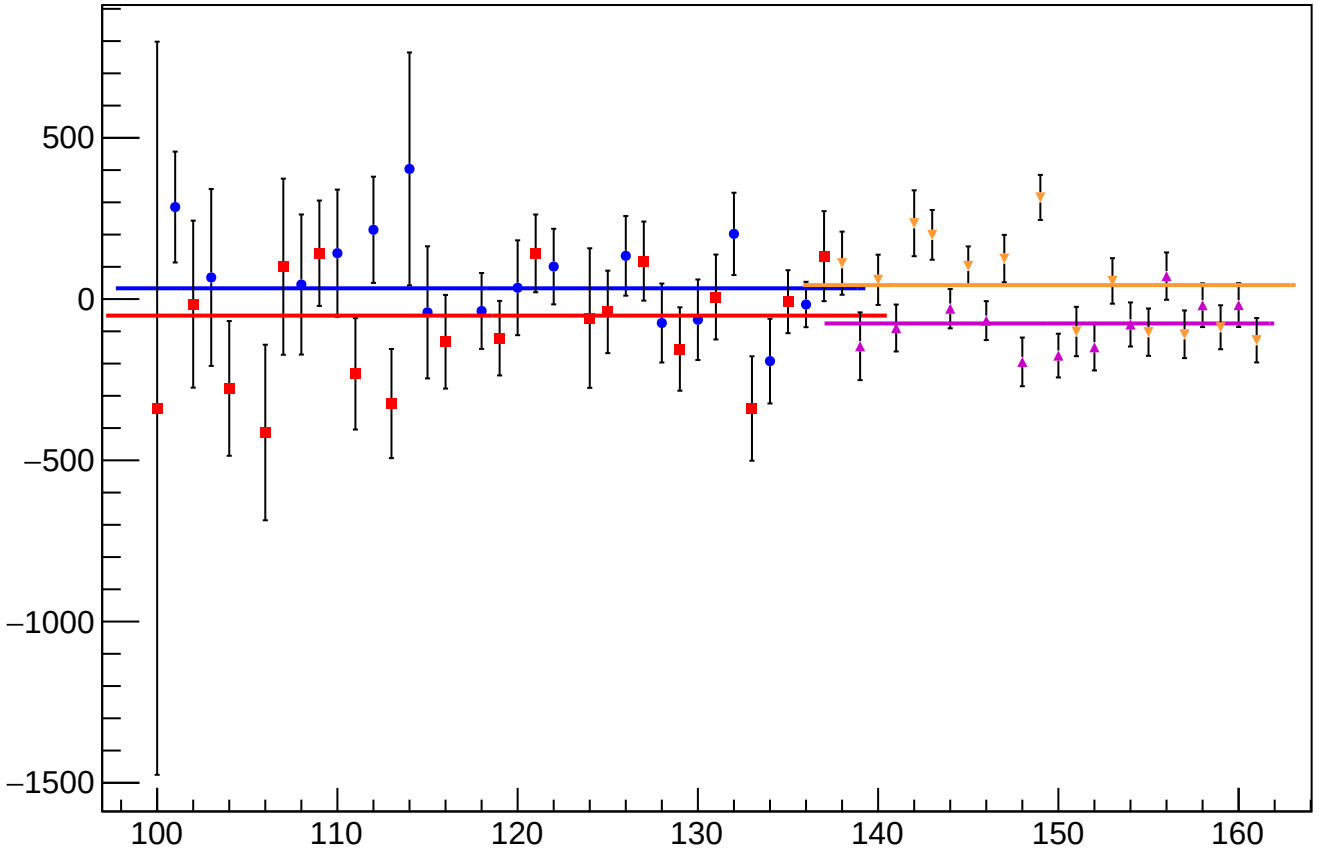
Left In: 570.470+/-0.136 χ^2/NDF:1162457.3/10

+ sign 676.642+/-0.124 χ^2/NDF: 4915825.6/28

All: 671.612+/-0.088 χ^2/NDF: 10457741.6/58

- sign 666.436+/-0.125 χ^2/NDF: 5538561.8/29

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 43.381+/-20.581 χ^2/NDF:47.1/12

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

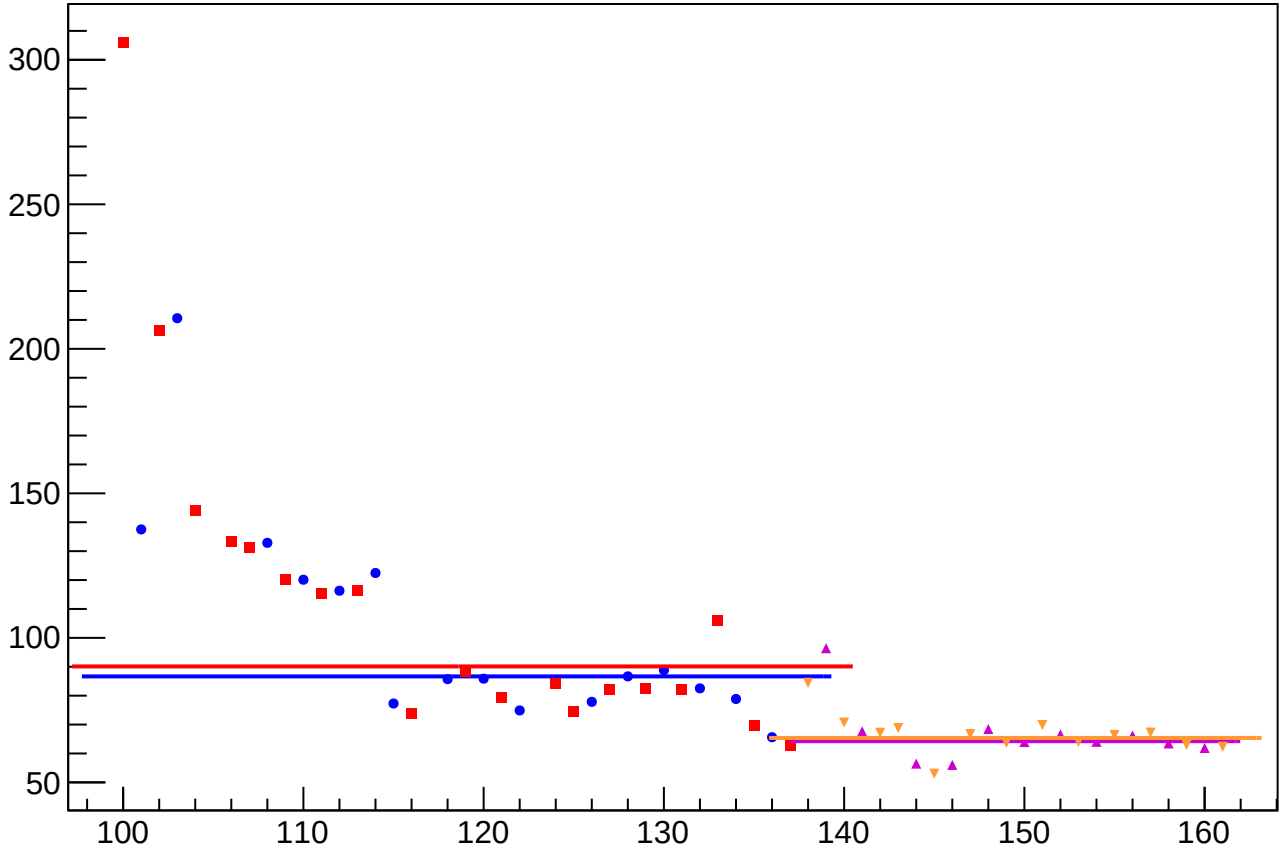
Left In: -75.574+/-21.111 χ^2/NDF:12.2/10

+ sign 40.697+/-17.590 χ^2/NDF: 60.0/28

All: -12.728+/-12.600 χ^2/NDF: 111.0/58

- sign -69.029+/-18.057 χ^2/NDF: 32.1/29

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.375+/-0.015 χ^2/NDF:190205.4/12

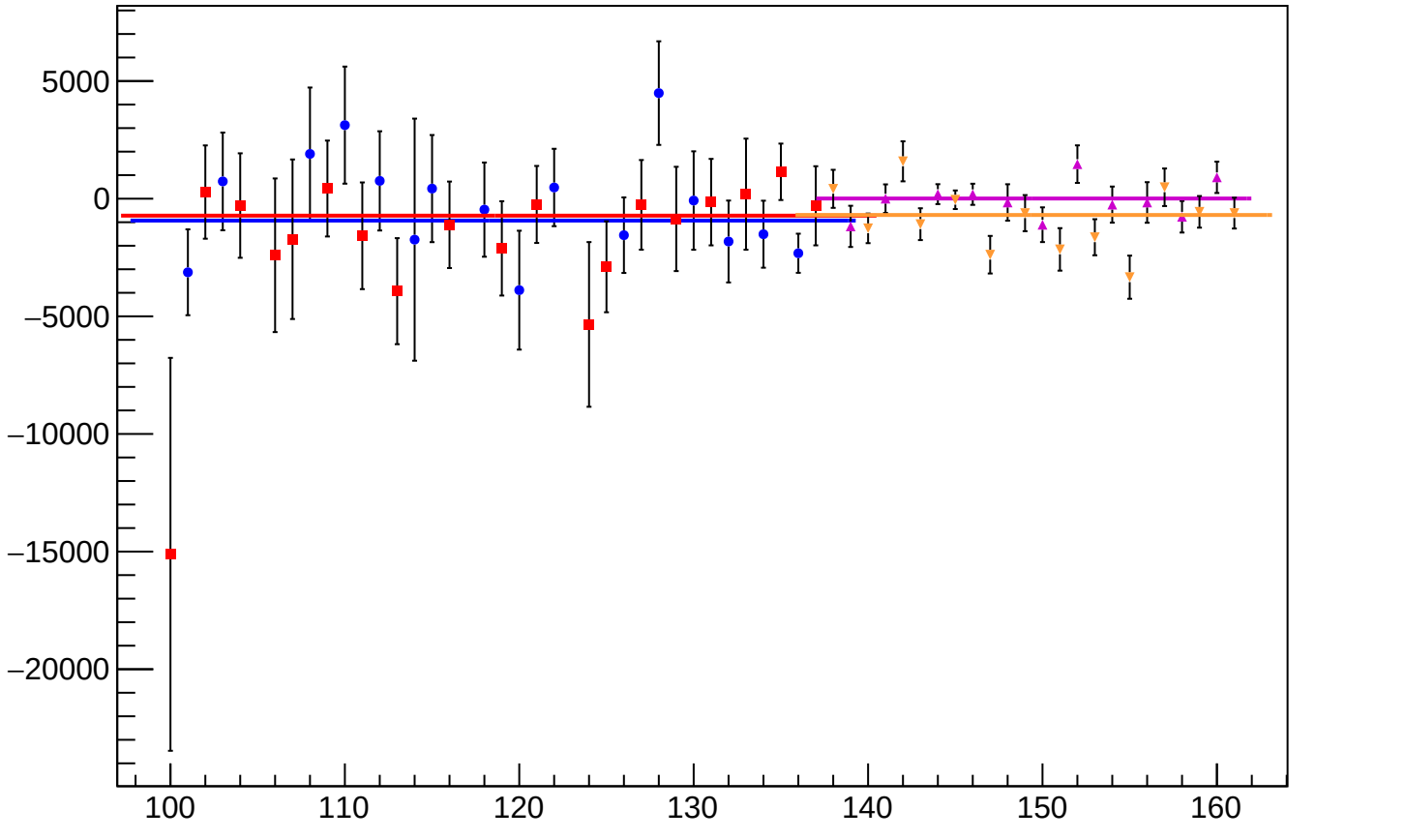
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.254+/-0.015 χ^2/NDF:273486.8/10

+ sign 71.114+/-0.012 χ^2/NDF: 1805955.9/28

All: 71.153+/-0.009 χ^2/NDF: 4030386.2/58

- sign 71.195+/-0.013 χ^2/NDF: 2224409.2/29



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -693.116+/-190.600 χ^2/NDF:32.1/12

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

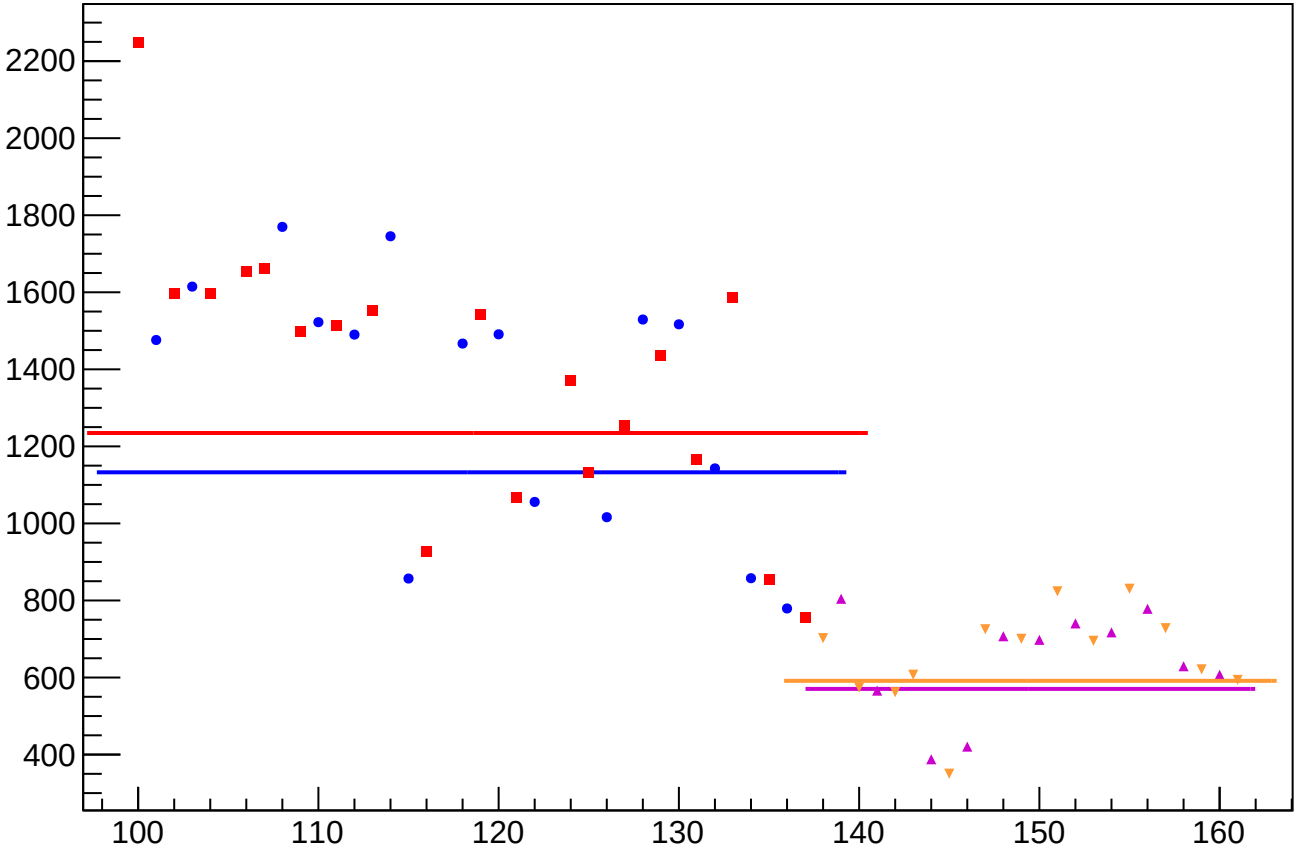
Left In: 7.084+/-191.795 χ^2/NDF:11.2/10

+ sign -730.382+/-174.952 χ^2/NDF: 50.9/28

All: -418.442+/-124.601 χ^2/NDF: 83.1/58

- sign -97.351+/-177.499 χ^2/NDF: 25.8/29

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 591.412+/-0.135 χ^2/NDF:1251927.6/12

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

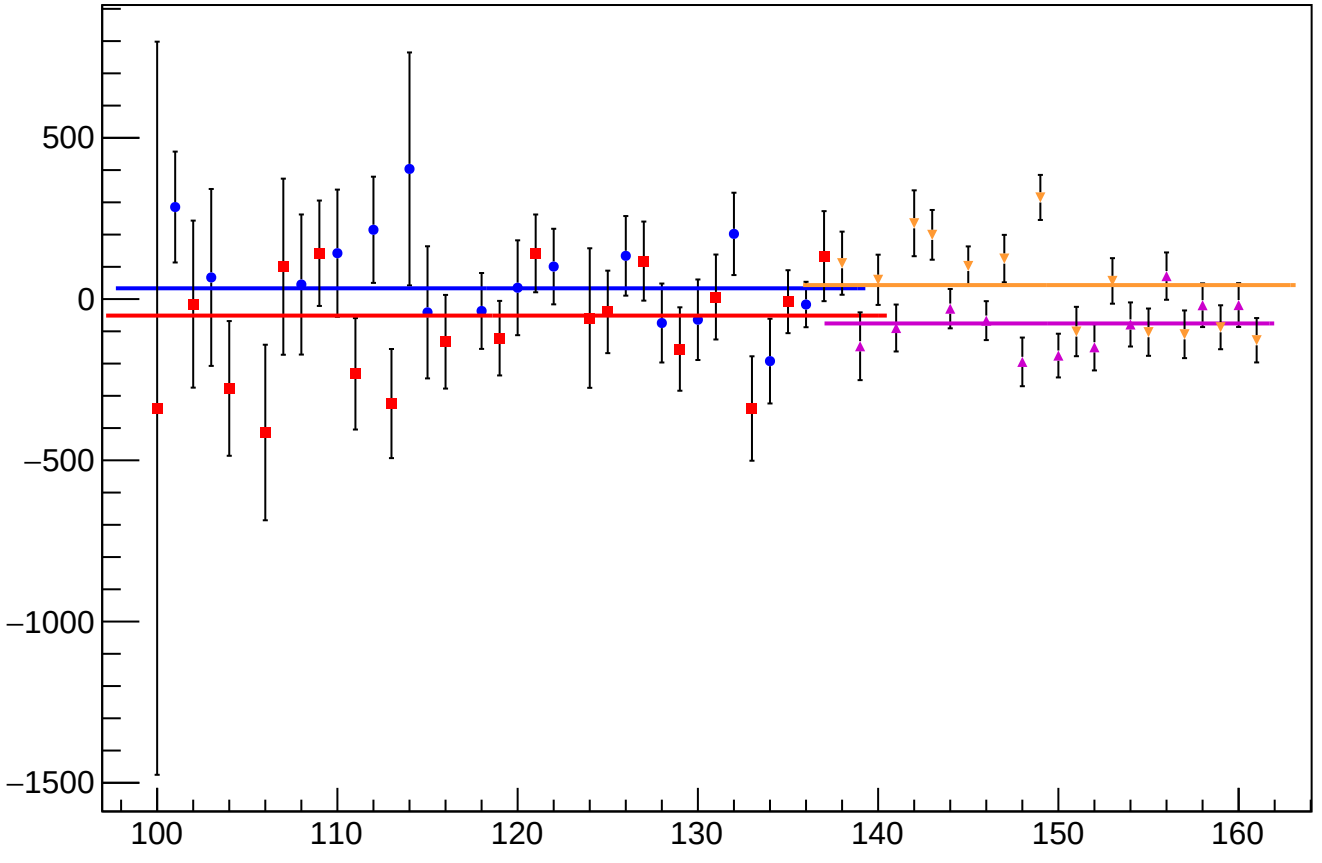
Left In: 570.470+/-0.136 χ^2/NDF:1162457.9/10

+ sign 676.641+/-0.124 χ^2/NDF: 4915868.2/28

All: 671.299+/-0.088 χ^2/NDF: 10401122.5/58

- sign 665.799+/-0.126 χ^2/NDF: 5481469.3/29

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 43.381+/-20.581 χ^2/NDF:47.1/12

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

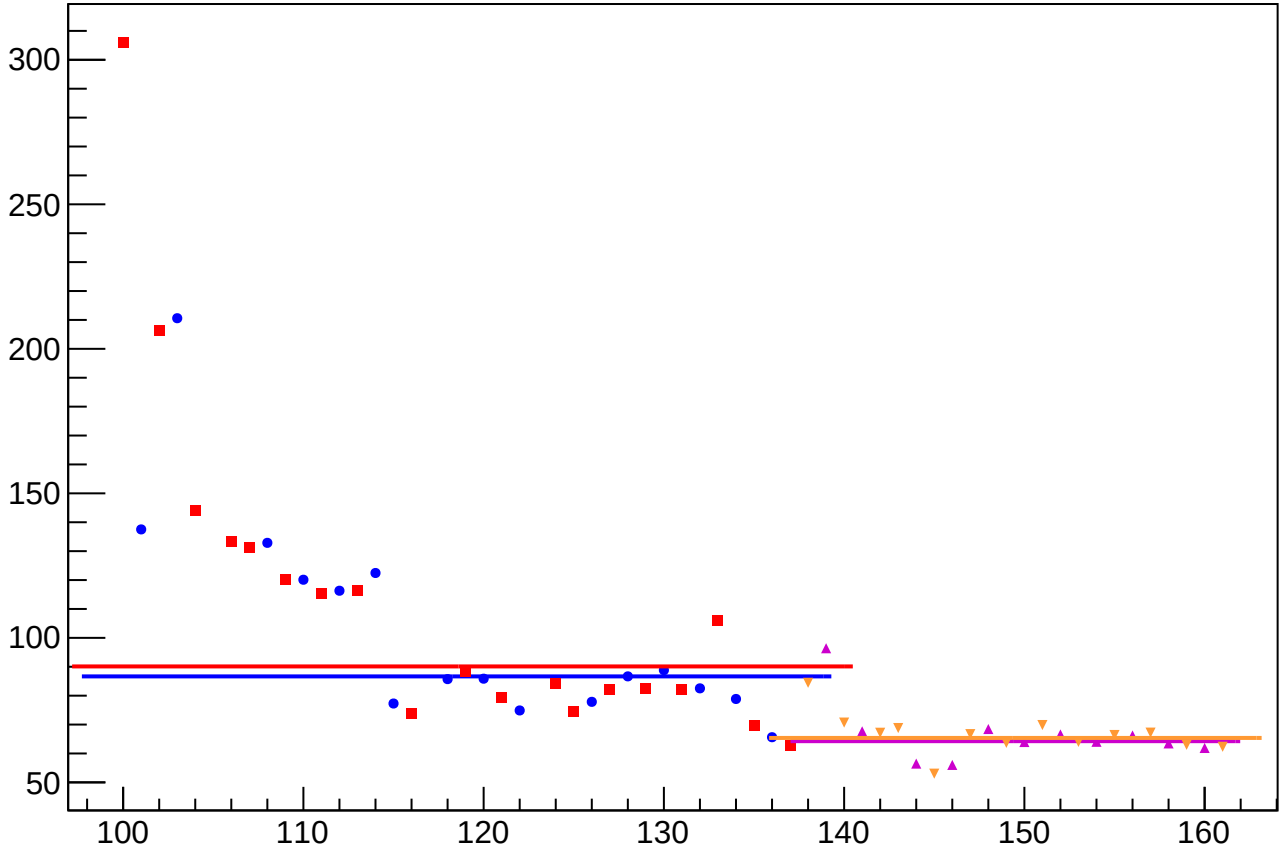
Left In: -75.574+/-21.111 χ^2/NDF:12.2/10

+ sign 40.697+/-17.590 χ^2/NDF: 60.0/28

All: -12.728+/-12.600 χ^2/NDF: 111.0/58

- sign -69.029+/-18.057 χ^2/NDF: 32.1/29

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.375+/-0.015 χ^2/NDF:190205.4/12

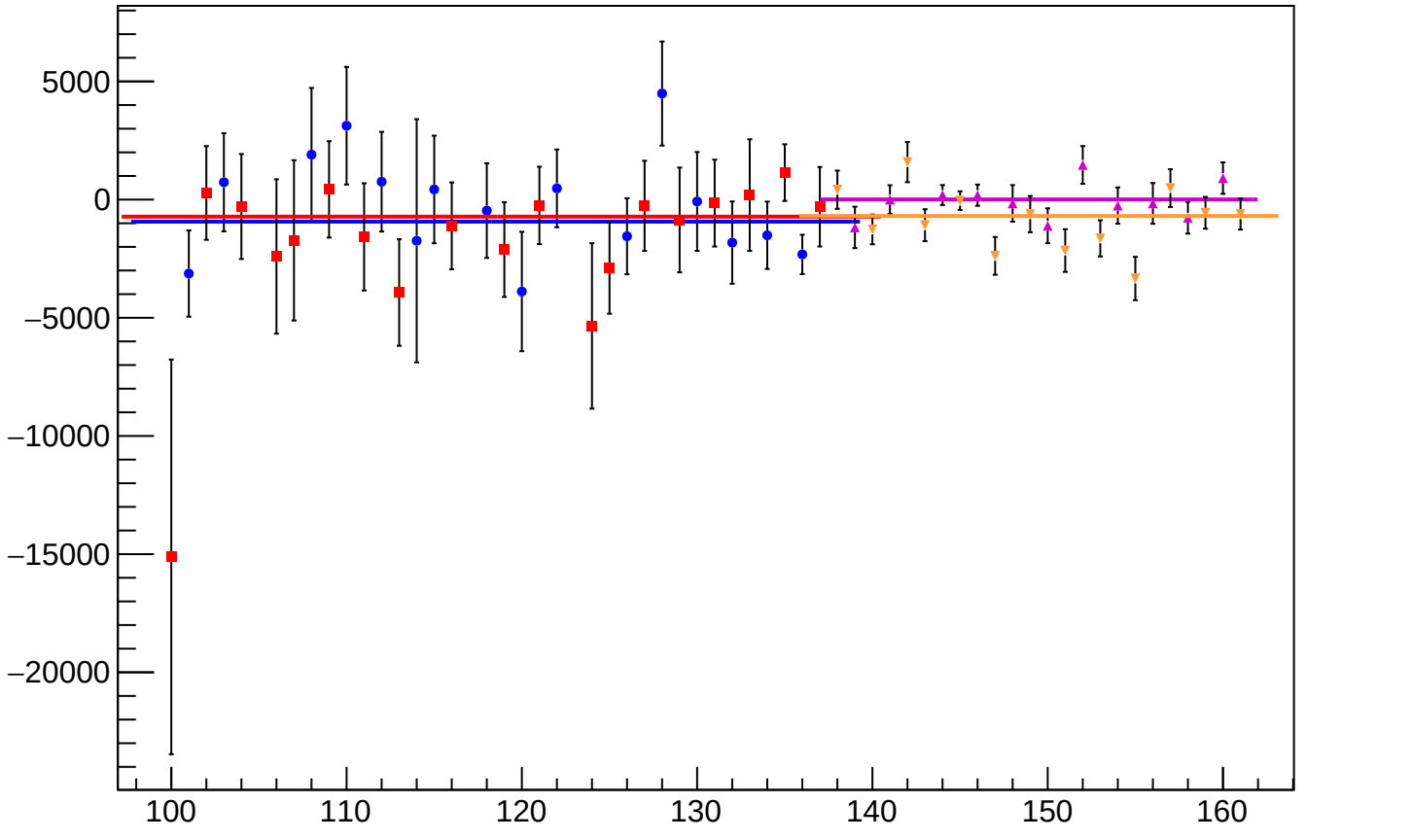
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.254+/-0.015 χ^2/NDF:273486.8/10

+ sign 71.114+/-0.012 χ^2/NDF: 1805955.9/28

All: 71.153+/-0.009 χ^2/NDF: 4030386.2/58

- sign 71.195+/-0.013 χ^2/NDF: 2224409.2/29



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -693.116+/-190.600 χ^2/NDF:32.1/12

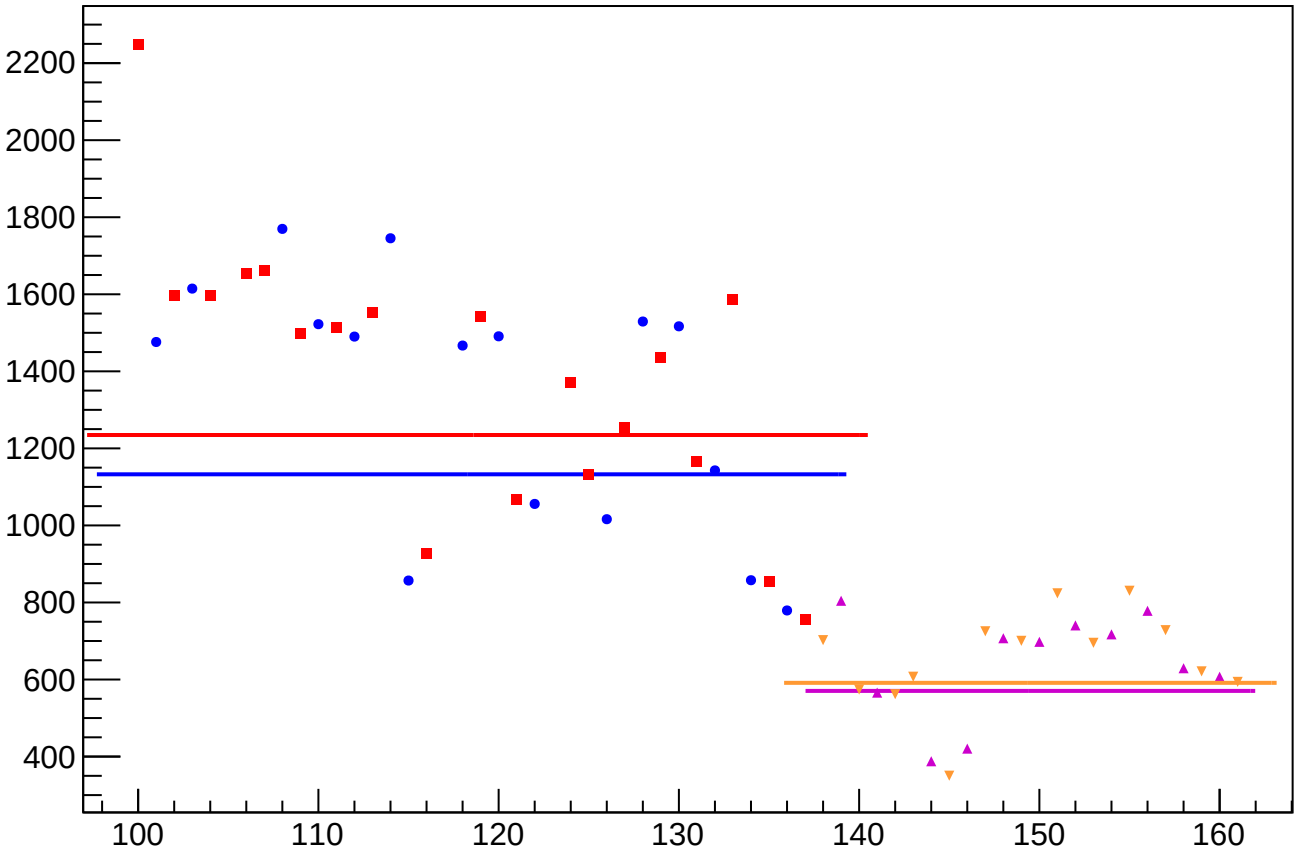
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 7.084+/-191.795 χ^2/NDF:11.2/10

+ sign -730.382+/-174.952 χ^2/NDF: 50.9/28

All: -418.442+/-124.601 χ^2/NDF: 83.1/58

- sign -97.351+/-177.499 χ^2/NDF: 25.8/29



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 591.412+/-0.135 χ^2/NDF:1251927.6/12

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

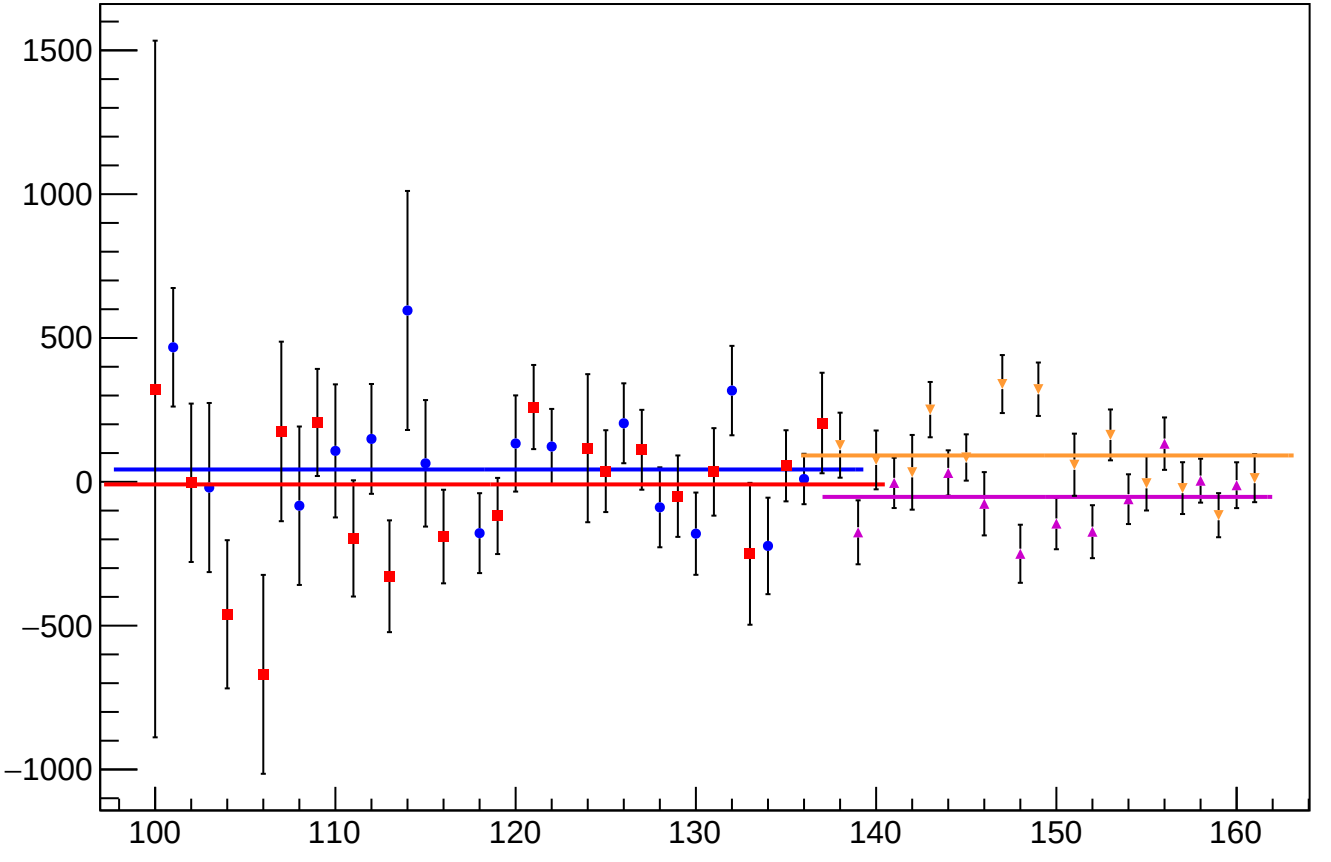
Left In: 570.470+/-0.136 χ^2/NDF:1162457.9/10

+ sign 676.641+/-0.124 χ^2/NDF: 4915868.2/28

All: 671.299+/-0.088 χ^2/NDF: 10401122.5/58

- sign 665.799+/-0.126 χ^2/NDF: 5481469.3/29

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 91.663+/-26.060 χ^2/NDF:26.9/12

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

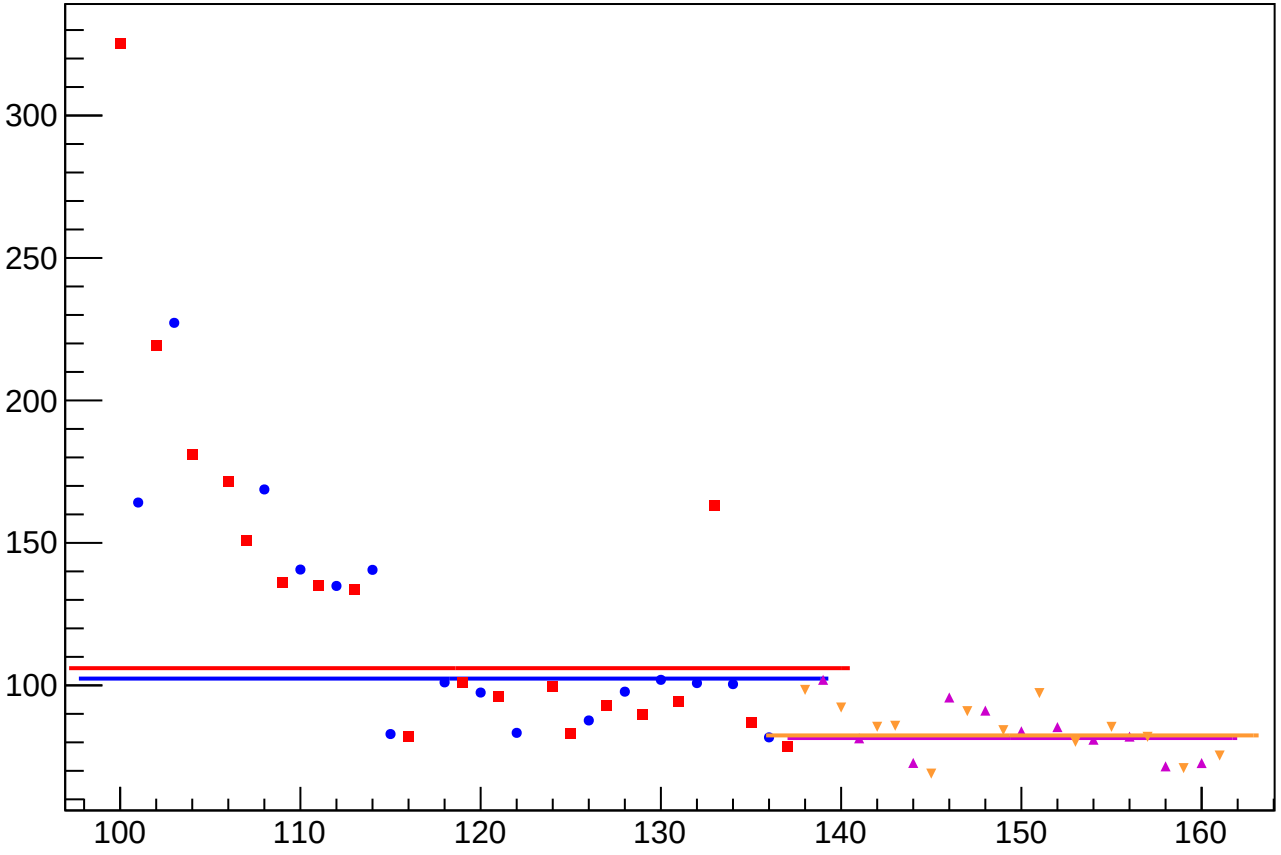
Left In: -52.399+/-26.913 χ^2/NDF:14.3/10

+ sign 77.110+/-21.827 χ^2/NDF: 48.3/28

All: 20.669+/-15.669 χ^2/NDF: 98.5/58

- sign -39.353+/-22.508 χ^2/NDF: 36.4/29

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 82.434+/-0.018 χ^2/NDF:232806.7/12

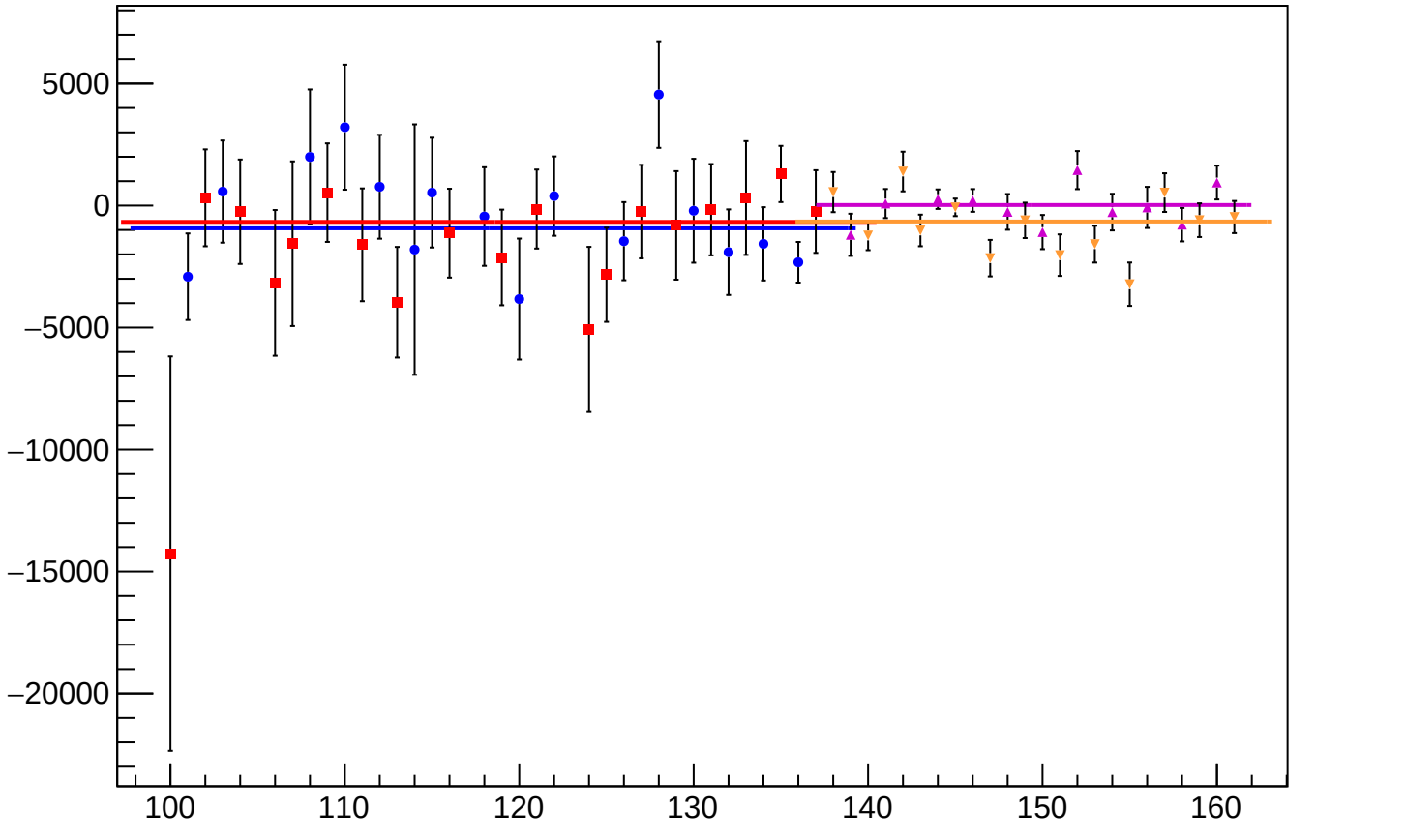
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 81.512+/-0.019 χ^2/NDF:207176.2/10

\+ sign 88.388+/-0.015 χ^2/NDF: 1564811.2/28

All: 88.627+/-0.011 χ^2/NDF: 3462704.9/58

\- sign 88.881+/-0.016 χ^2/NDF: 1897400.3/29



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -654.219+/-182.721 χ^2/NDF:31.2/12

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

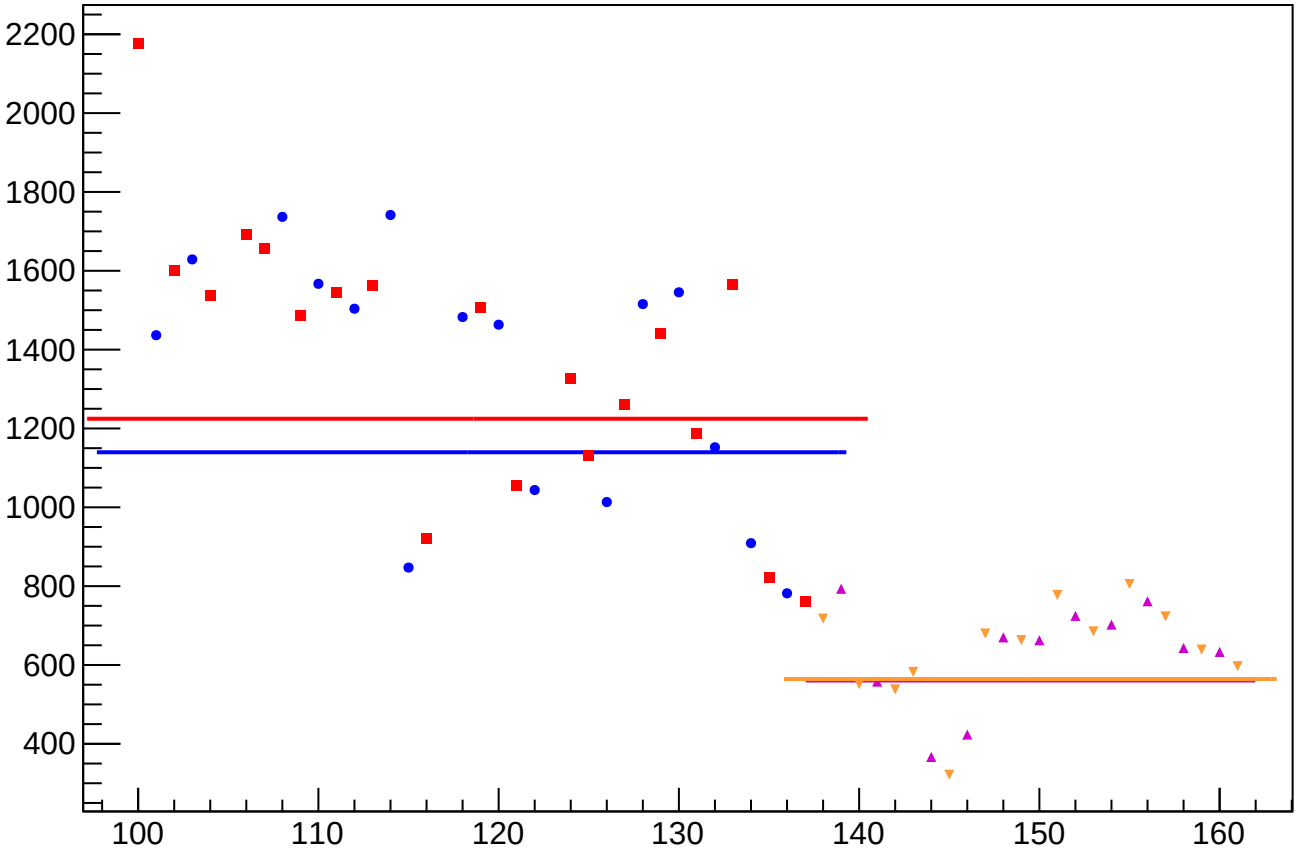
Left In: 22.515+/-189.088 χ^2/NDF:11.9/10

+ sign -694.705+/-168.902 χ^2/NDF: 50.0/28

All: -396.523+/-121.552 χ^2/NDF: 83.7/58

- sign -76.188+/-175.063 χ^2/NDF: 27.2/29

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 564.399+/-0.129 χ^2/NDF:1504008.9/12

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

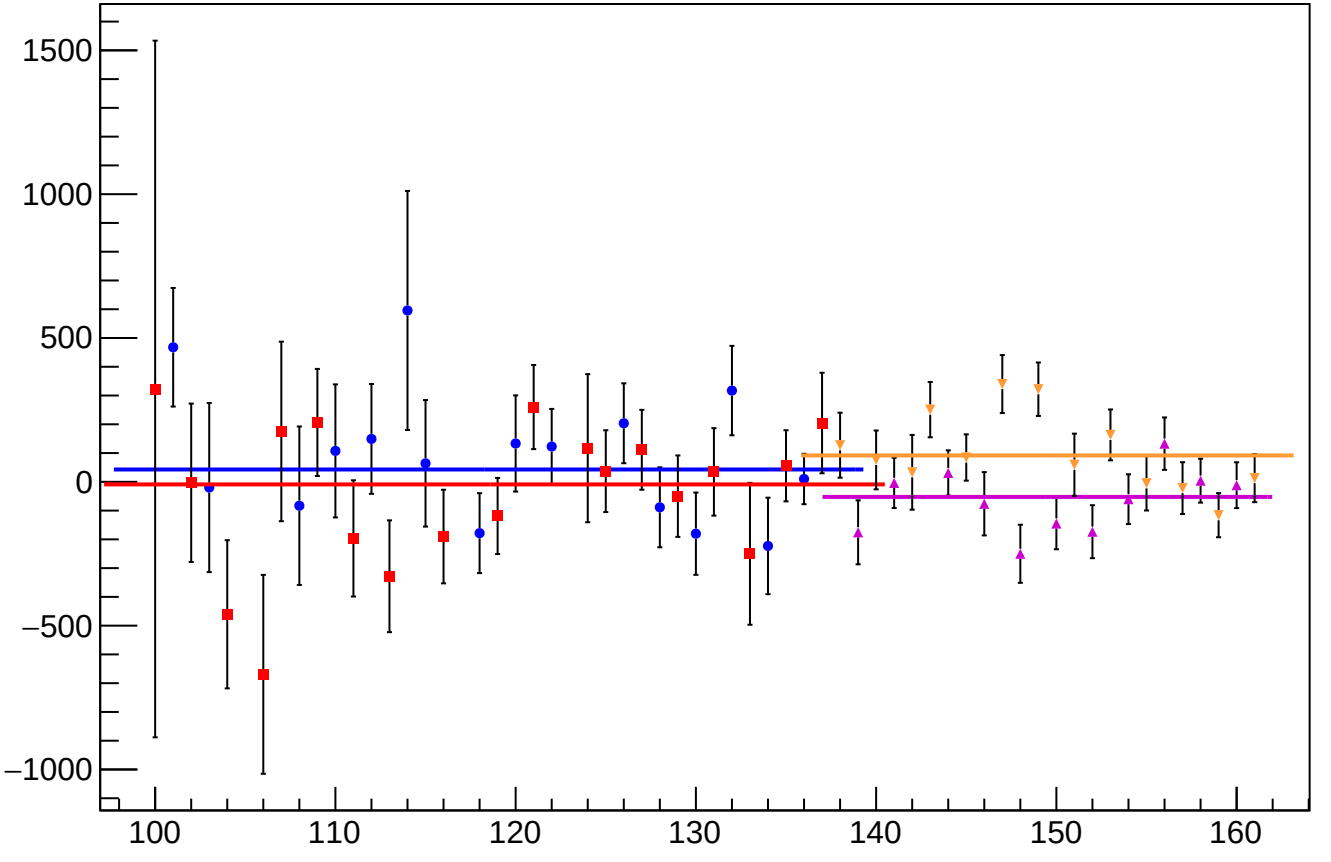
Left In: 560.637+/-0.134 χ^2/NDF:1201425.0/10

+ sign 648.126+/-0.119 χ^2/NDF: 5482630.7/28

All: 651.670+/-0.086 χ^2/NDF: 11130930.8/58

- sign 655.478+/-0.124 χ^2/NDF: 5646472.9/29

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 91.664+/-26.061 χ^2/NDF:26.9/12

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

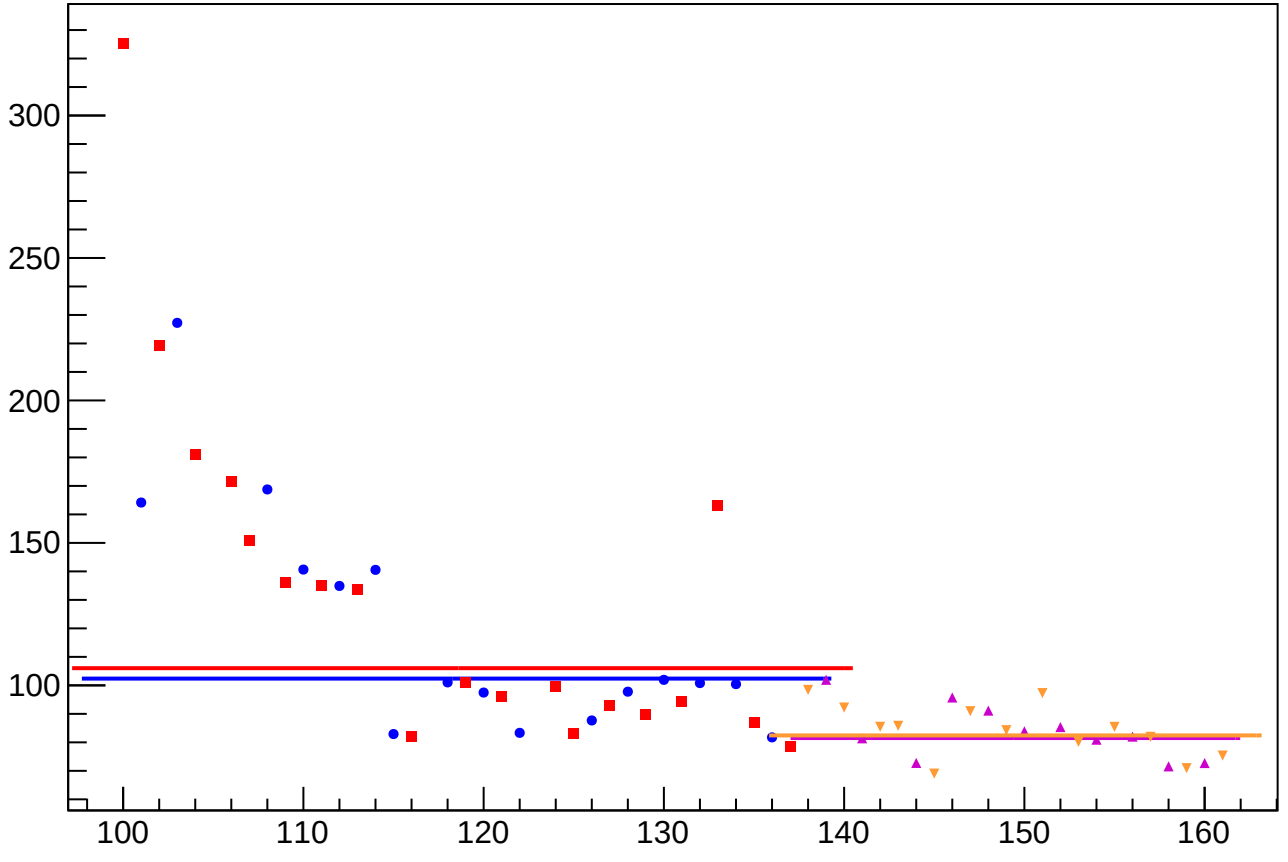
Left In: -52.397+/-26.913 χ^2/NDF:14.3/10

+ sign 77.111+/-21.827 χ^2/NDF: 48.3/28

All: 20.670+/-15.669 χ^2/NDF: 98.5/58

- sign -39.352+/-22.509 χ^2/NDF: 36.4/29

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 82.434+/-0.018 χ^2/NDF:232805.0/12

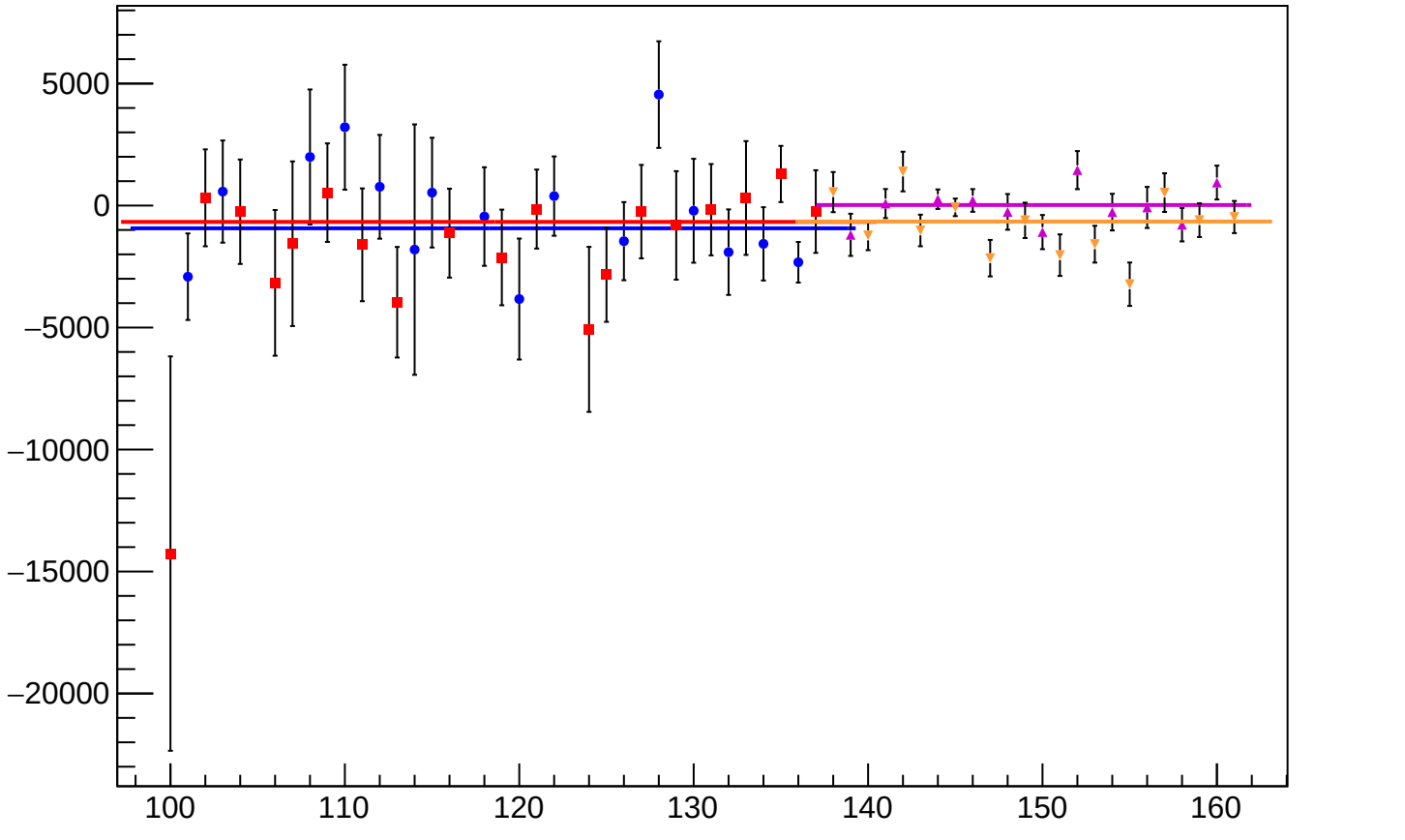
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 81.512+/-0.019 χ^2/NDF:207181.0/10

\+ sign 88.388+/-0.015 χ^2/NDF: 1564786.7/28

All: 88.627+/-0.011 χ^2/NDF: 3462674.8/58

\- sign 88.881+/-0.016 χ^2/NDF: 1897394.8/29



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -654.218+/-182.721 χ^2/NDF:31.2/12

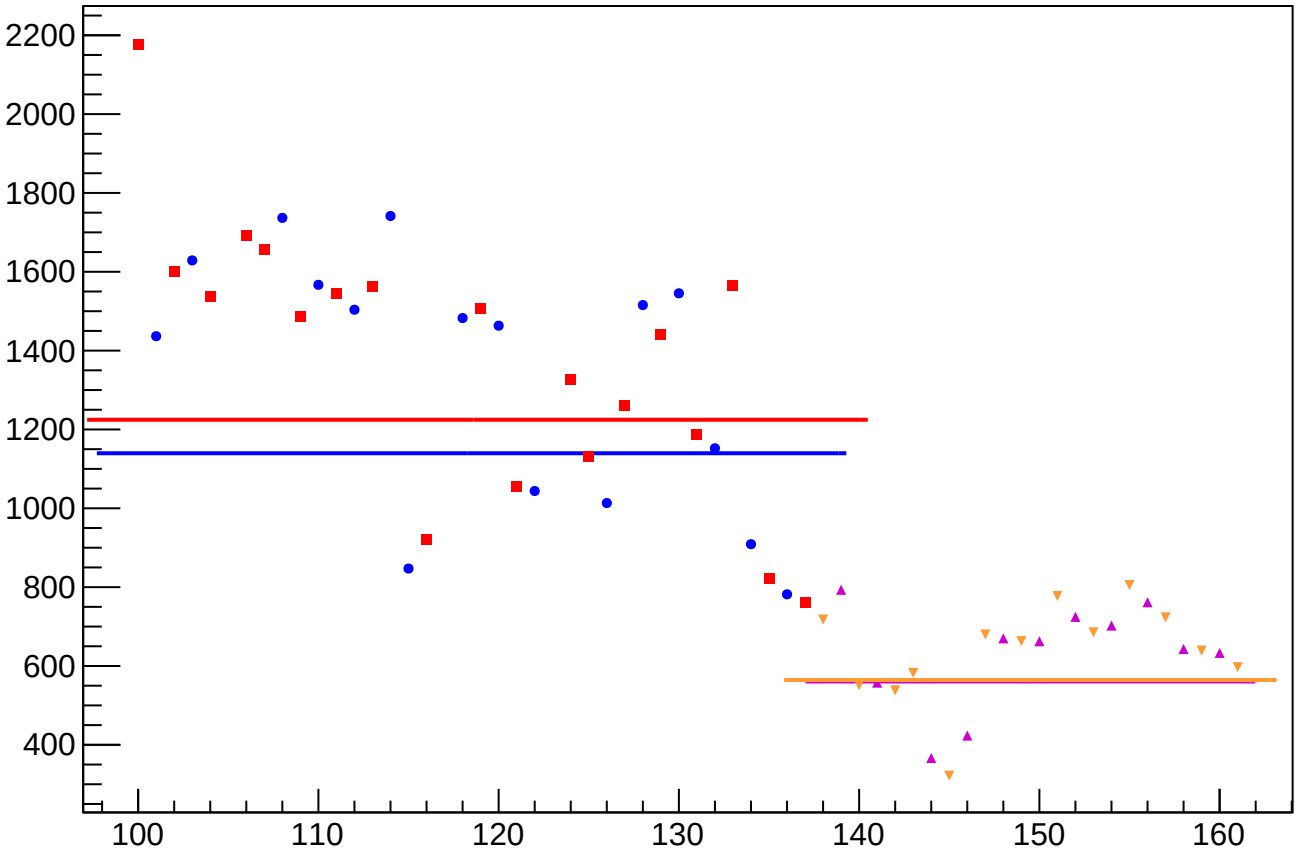
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 22.516+/-189.087 χ^2/NDF:11.9/10

+ sign -694.703+/-168.901 χ^2/NDF: 50.0/28

All: -396.522+/-121.551 χ^2/NDF: 83.7/58

- sign -76.187+/-175.063 χ^2/NDF: 27.2/29



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 564.398+/-0.129 χ^2/NDF:1504028.1/12

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

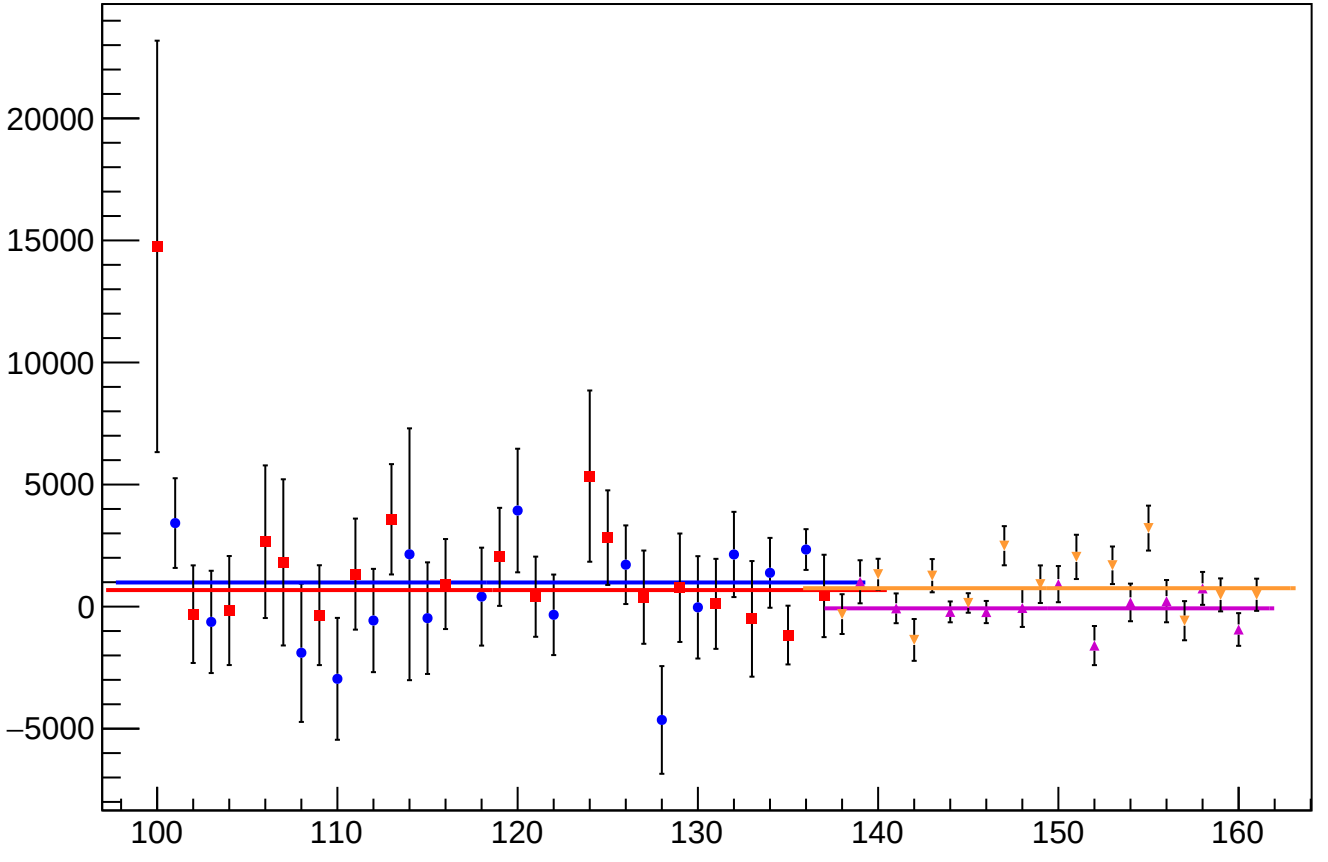
Left In: 560.636+/-0.134 χ^2/NDF:1201430.8/10

+ sign 648.124+/-0.119 χ^2/NDF: 5482647.2/28

All: 651.669+/-0.086 χ^2/NDF: 11130944.6/58

- sign 655.477+/-0.124 χ^2/NDF: 5646470.0/29

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 754.437+/-191.975 χ^2/NDF:30.0/12

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

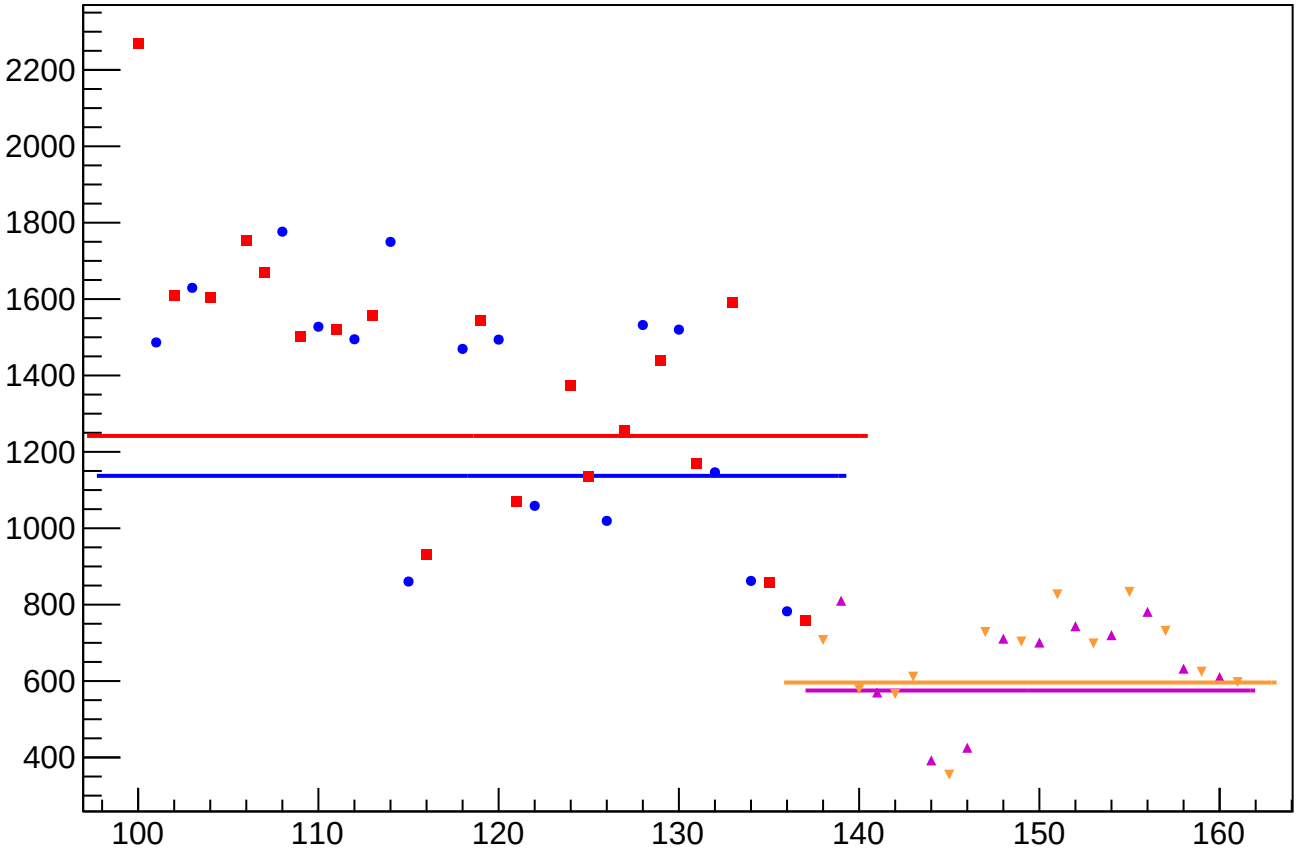
Left In: -70.794+/-193.249 χ^2/NDF:10.5/10

+ sign 791.624+/-176.124 χ^2/NDF: 49.2/28

All: 420.097+/-125.443 χ^2/NDF: 82.9/58

- sign 37.573+/-178.711 χ^2/NDF: 24.6/29

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 596.134+/-0.136 χ^2/NDF:1221408.9/12

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

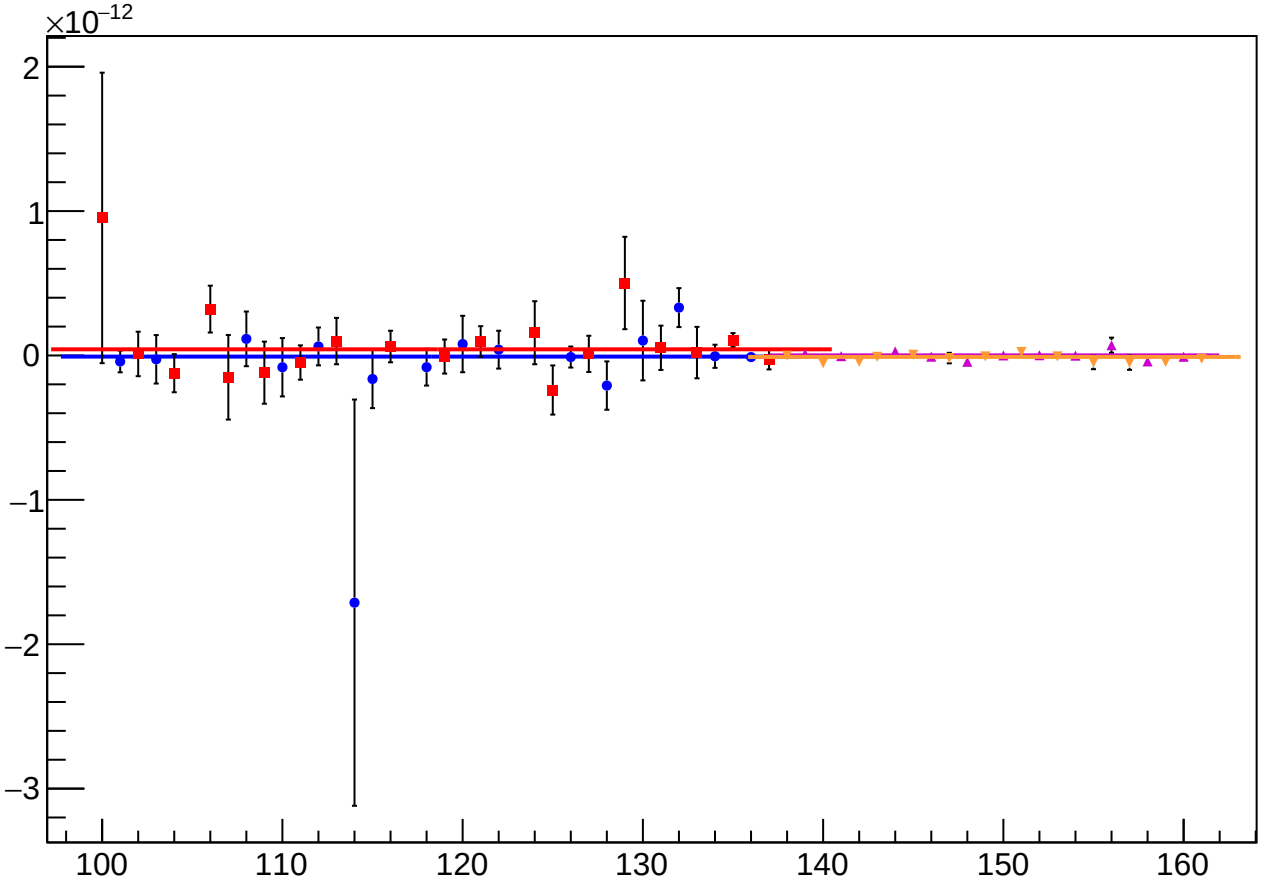
Left In: 575.227+/-0.137 χ^2/NDF:1136569.9/10

+ sign 681.801+/-0.125 χ^2/NDF: 4860549.5/28

All: 676.839+/-0.089 χ^2/NDF: 10344254.0/58

- sign 671.730+/-0.126 χ^2/NDF: 5480482.4/29

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/12

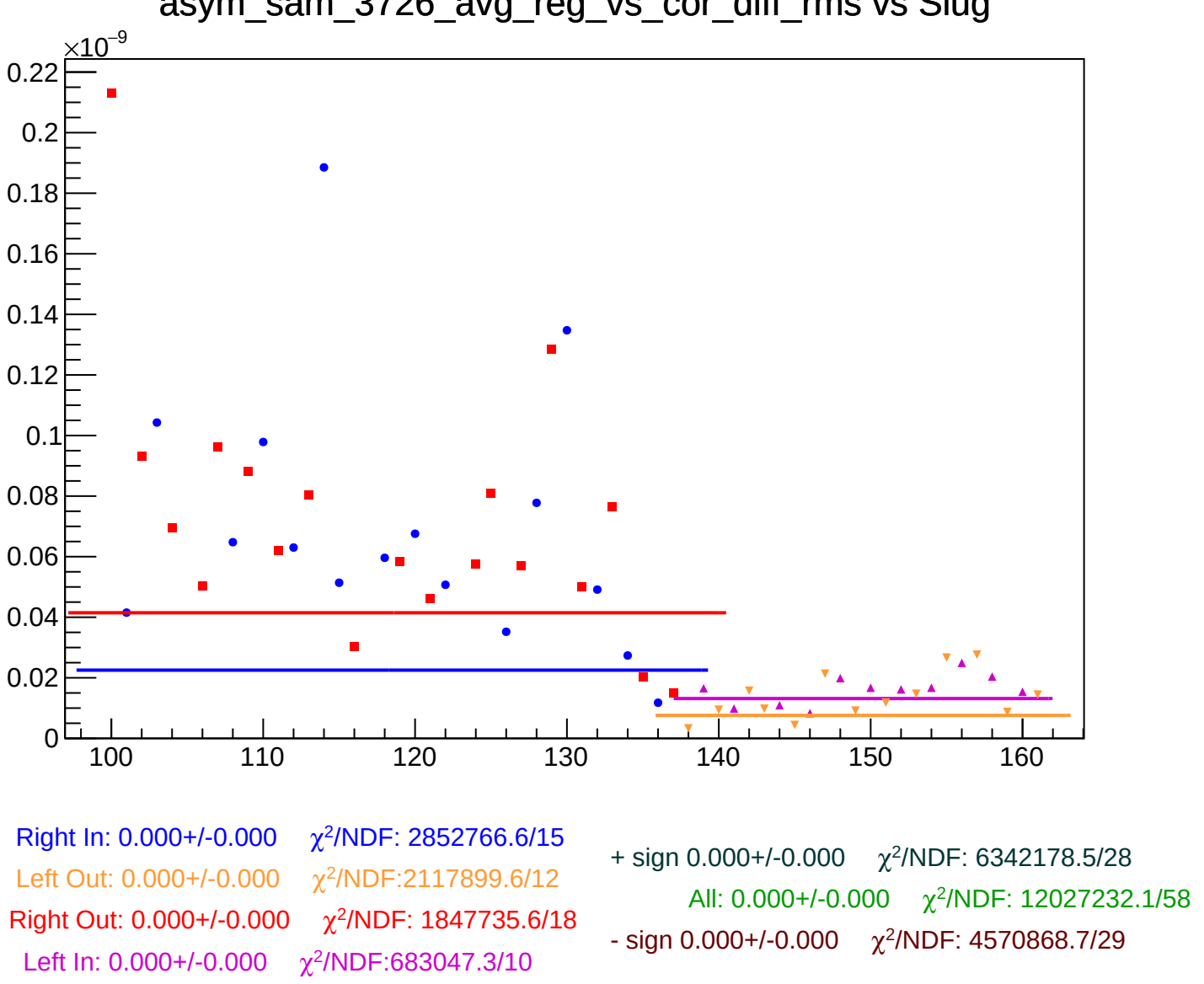
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/10

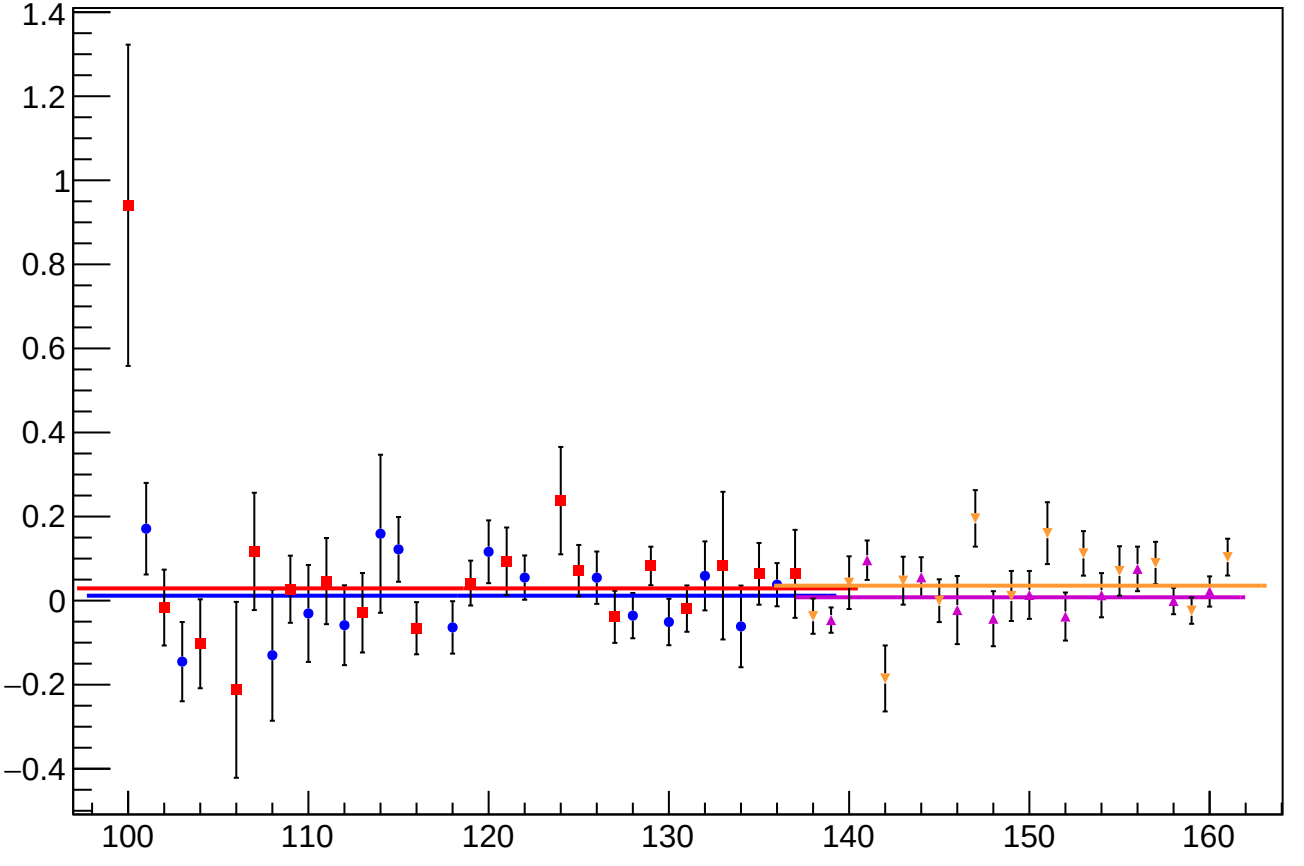
+ sign -0.000+/-0.000 χ^2/NDF: 29.8/28

All: -0.000+/-0.000 χ^2/NDF: 58.4/58

- sign 0.000+/-0.000 χ^2/NDF: 26.1/29


asym_sam_3726_avg_reg_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
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2117899.6/12
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:683047.3/10
+ sign 0.000+/-0.000 χ²/NDF: 6342178.5/28
All: 0.000+/-0.000 χ²/NDF: 12027232.1/58
- sign 0.000+/-0.000 χ²/NDF: 4570868.7/29

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: 0.036+/-0.014 χ^2/NDF:29.8/12

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

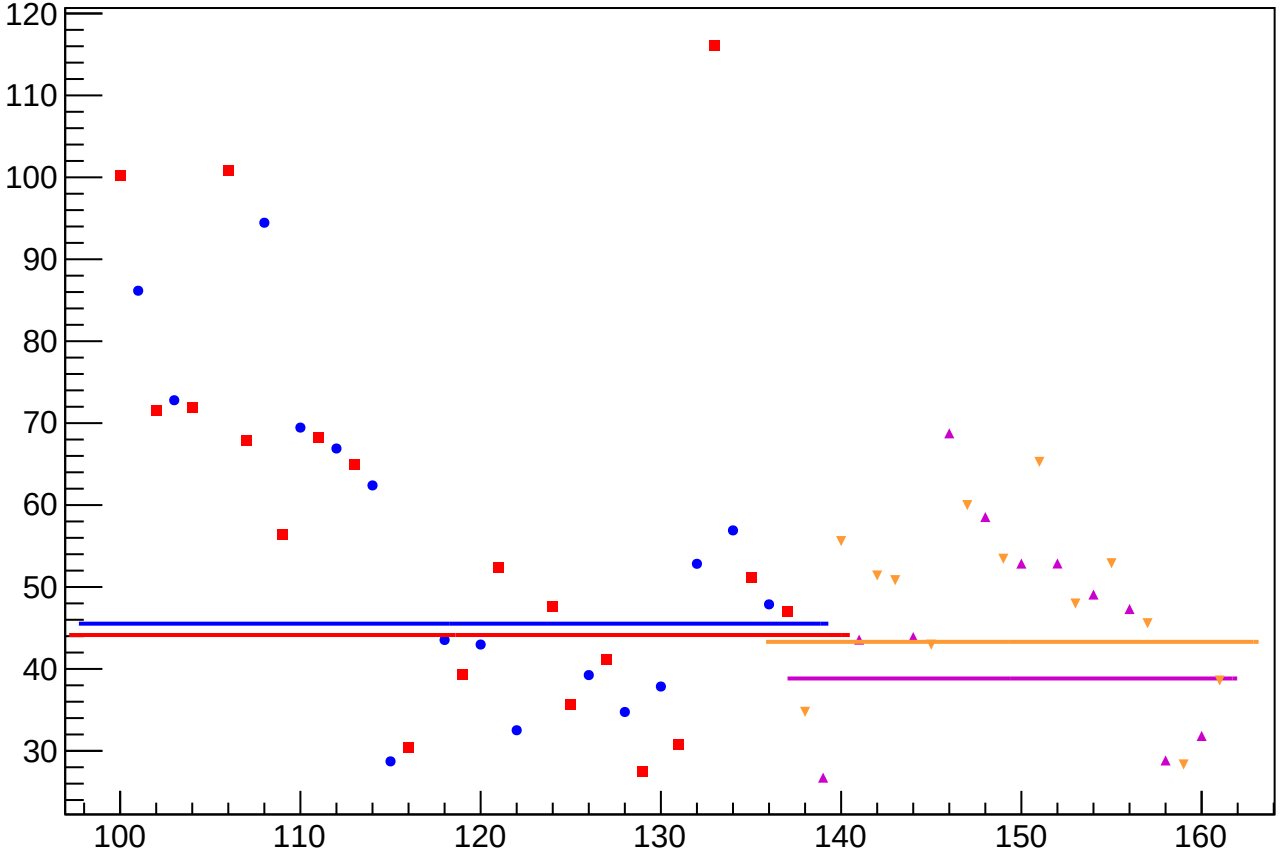
Left In: 0.008+/-0.013 χ^2/NDF:11.0/10

+ sign 0.027+/-0.011 χ^2/NDF: 47.7/28

All: 0.021+/-0.008 χ^2/NDF: 79.7/58

- sign 0.016+/-0.011 χ^2/NDF: 31.5/29

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: 43.306+/-0.010 χ^2/NDF:1127795.7/12

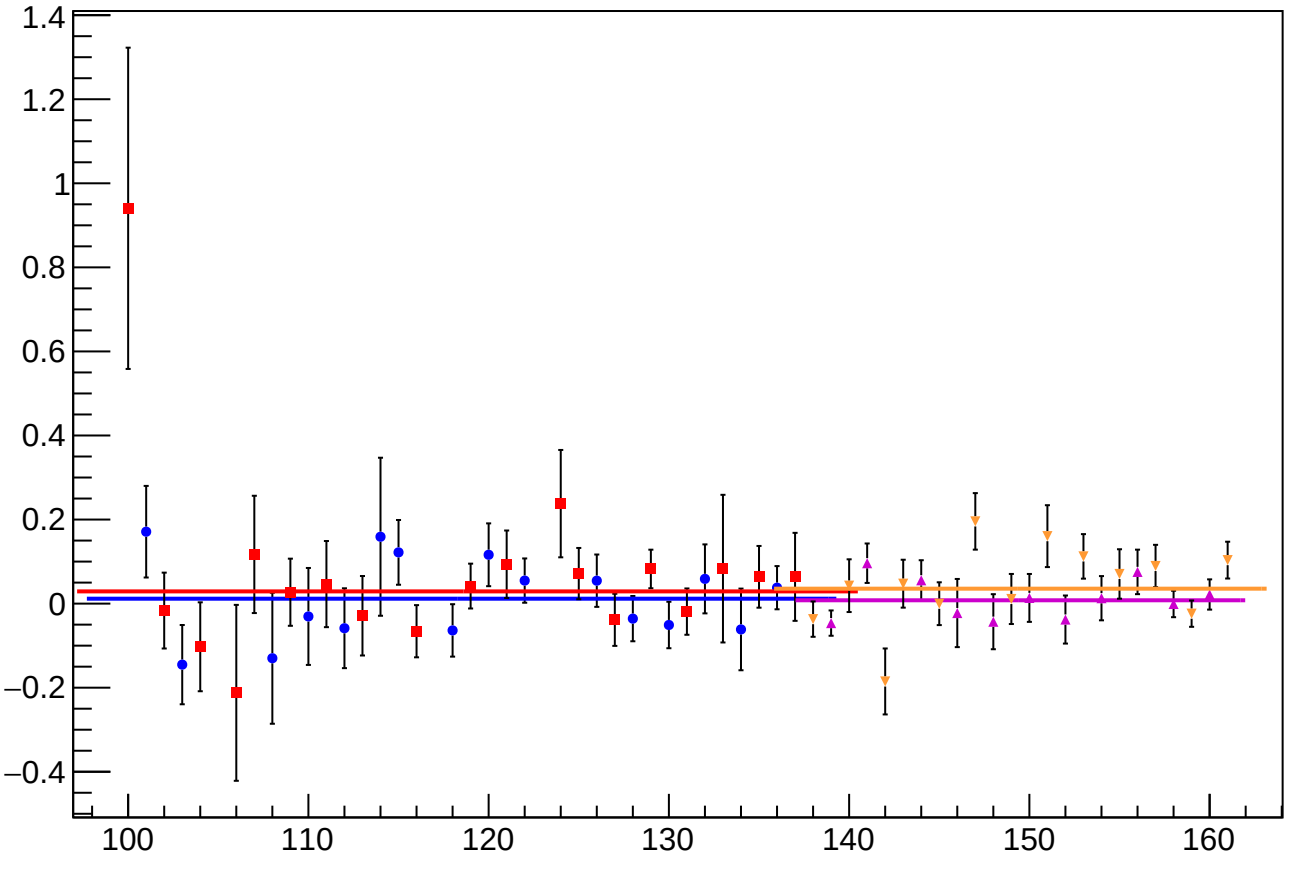
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.836+/-0.010 χ^2/NDF:1466126.3/10

+ sign 44.140+/-0.008 χ^2/NDF: 2400064.3/28

All: 42.379+/-0.005 χ^2/NDF: 5816205.1/58

- sign 40.760+/-0.008 χ^2/NDF: 3321741.2/29



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.036+/-0.014 χ^2/NDF:29.8/12

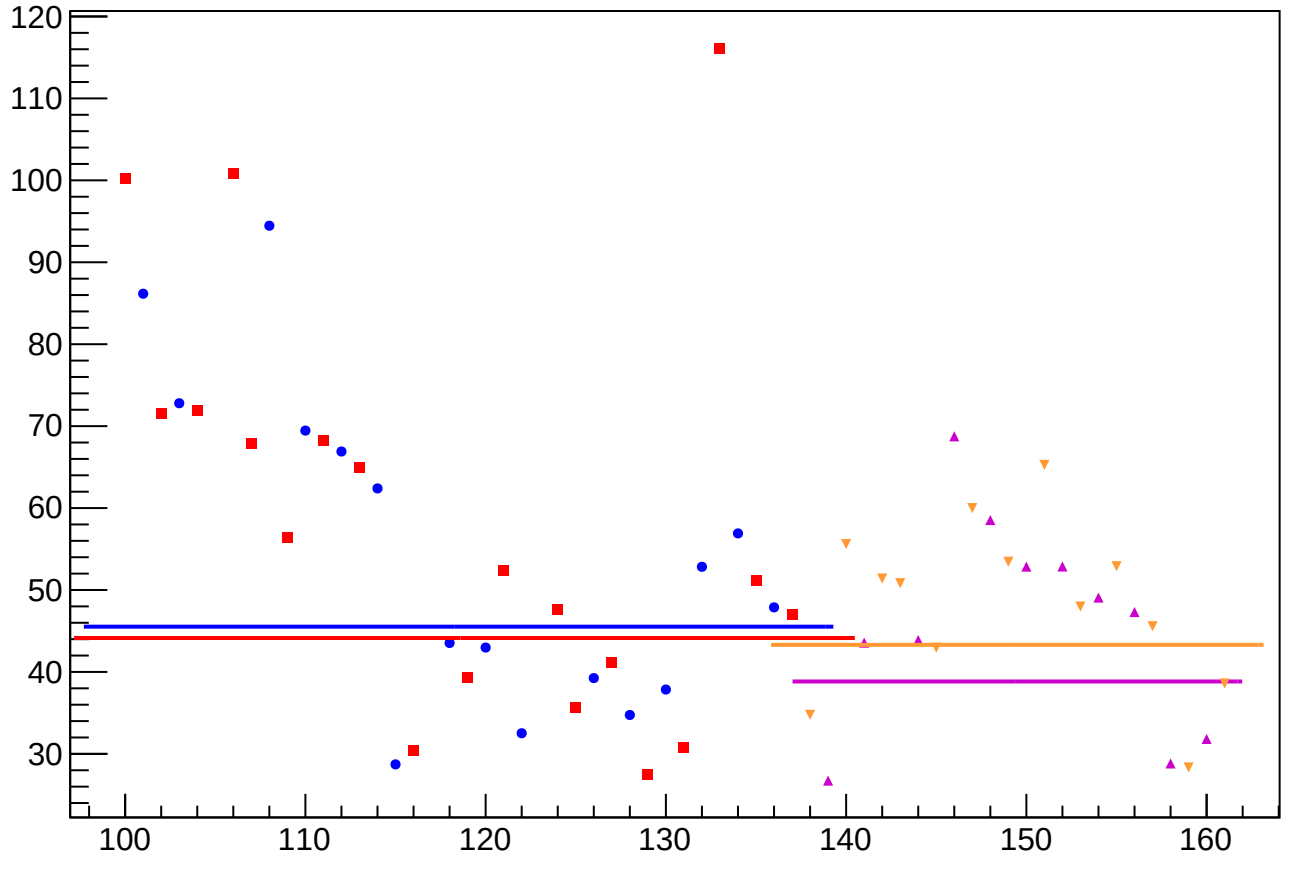
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.008+/-0.013 χ^2/NDF:11.0/10

+ sign 0.027+/-0.011 χ^2/NDF: 47.7/28

All: 0.021+/-0.008 χ^2/NDF: 79.7/58

- sign 0.016+/-0.011 χ^2/NDF: 31.5/29



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.306+/-0.010 χ^2/NDF:1127795.7/12

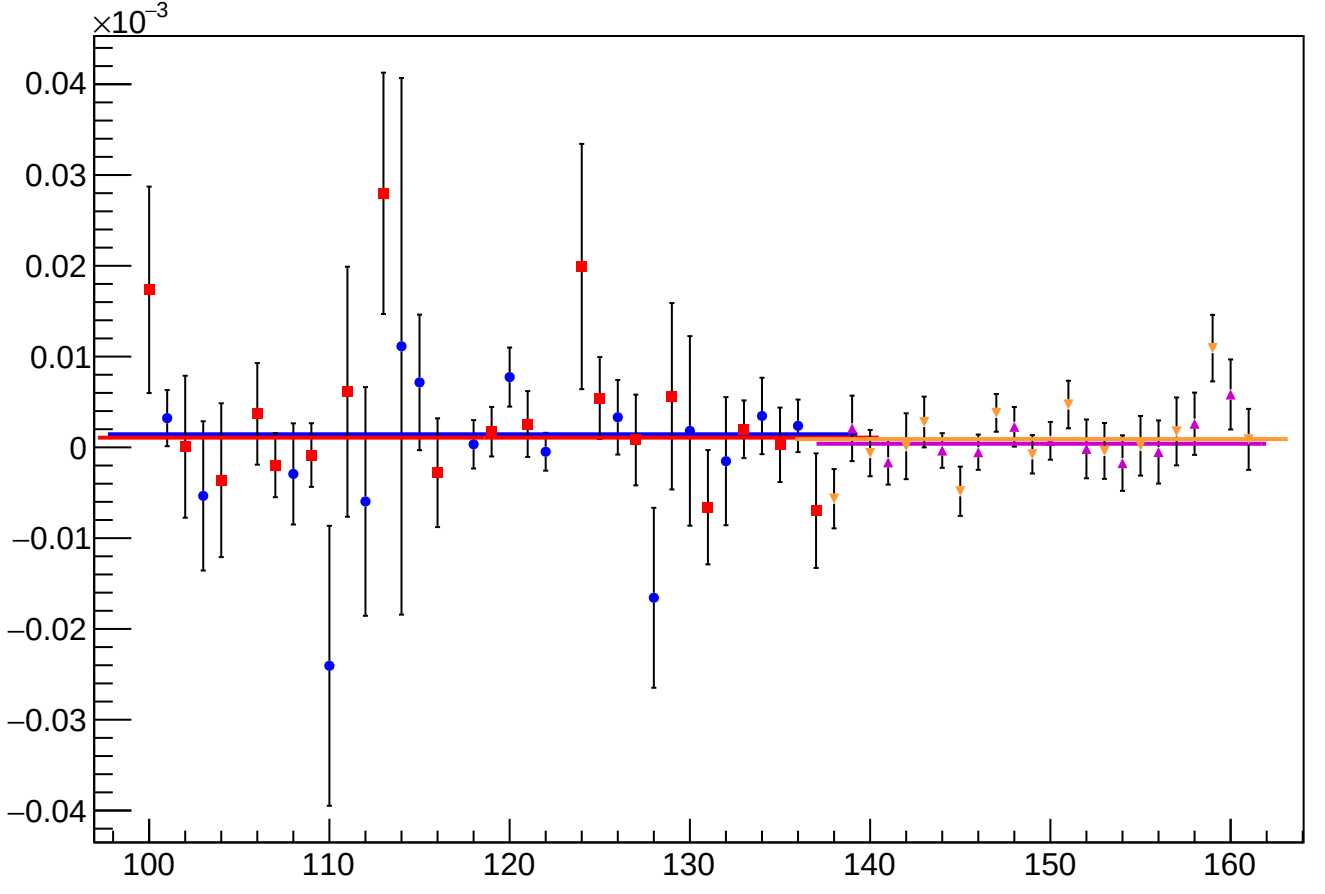
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.836+/-0.010 χ^2/NDF:1466126.3/10

+ sign 44.140+/-0.008 χ^2/NDF: 2400064.3/28

All: 42.379+/-0.005 χ^2/NDF: 5816205.1/58

- sign 40.760+/-0.008 χ^2/NDF: 3321741.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/12

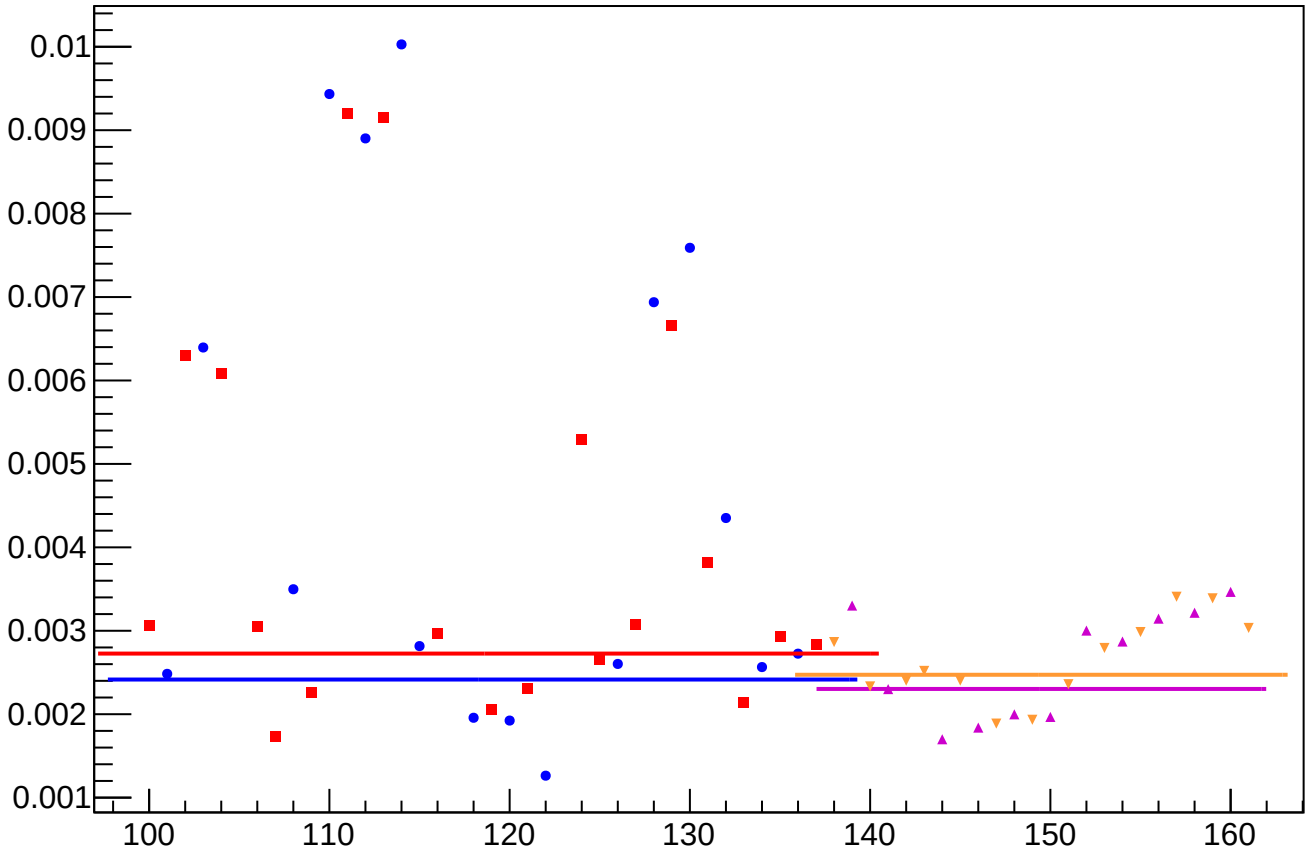
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 36.2/28

All: 0.000+/-0.000 χ^2/NDF: 56.6/58

- sign 0.000+/-0.000 χ^2/NDF: 20.1/29



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:706332.0/12

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

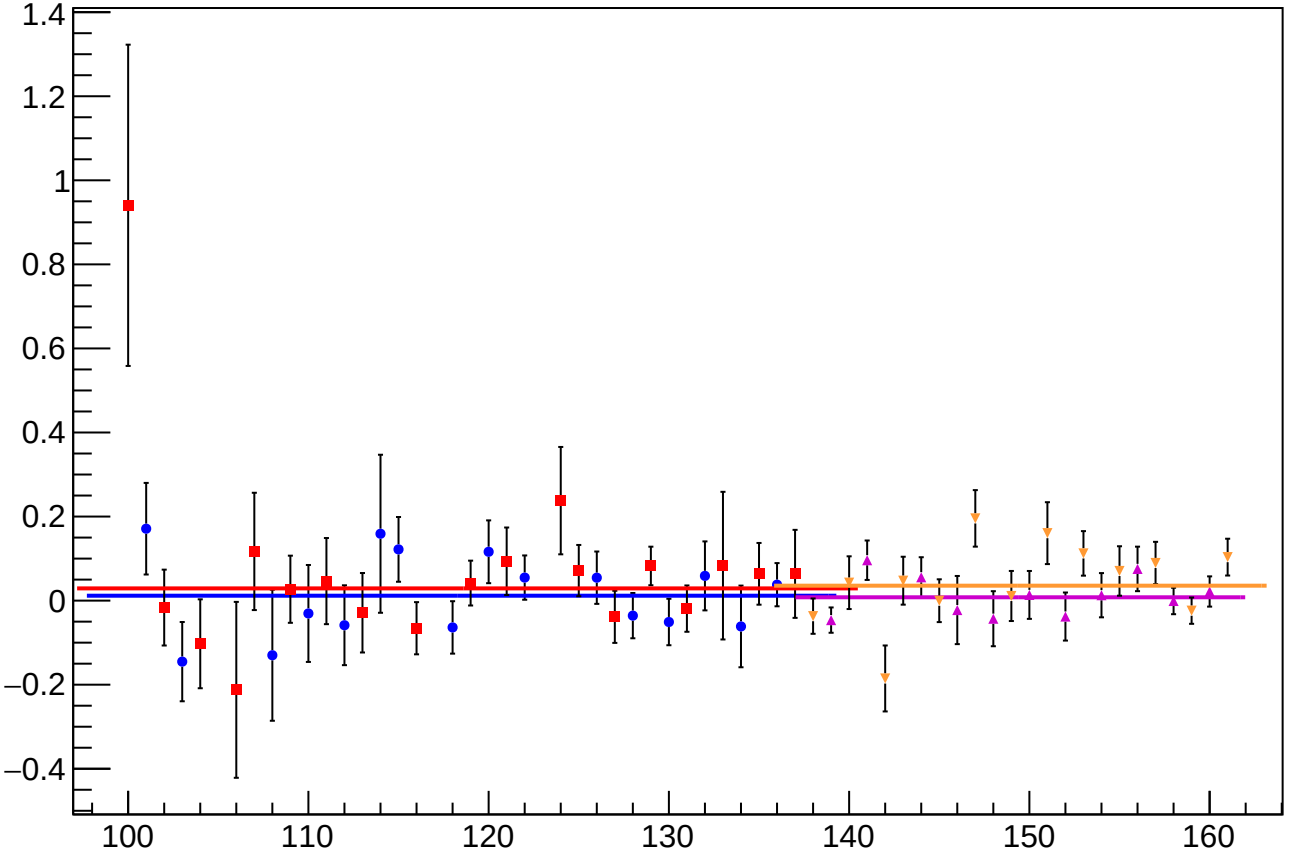
Left In: 0.002+/-0.000 χ^2/NDF:1161133.0/10

+ sign 0.002+/-0.000 χ^2/NDF: 4142274.3/28

All: 0.002+/-0.000 χ^2/NDF: 8001905.7/58

- sign 0.002+/-0.000 χ^2/NDF: 3859268.2/29

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.036+/-0.014 χ^2/NDF:29.8/12

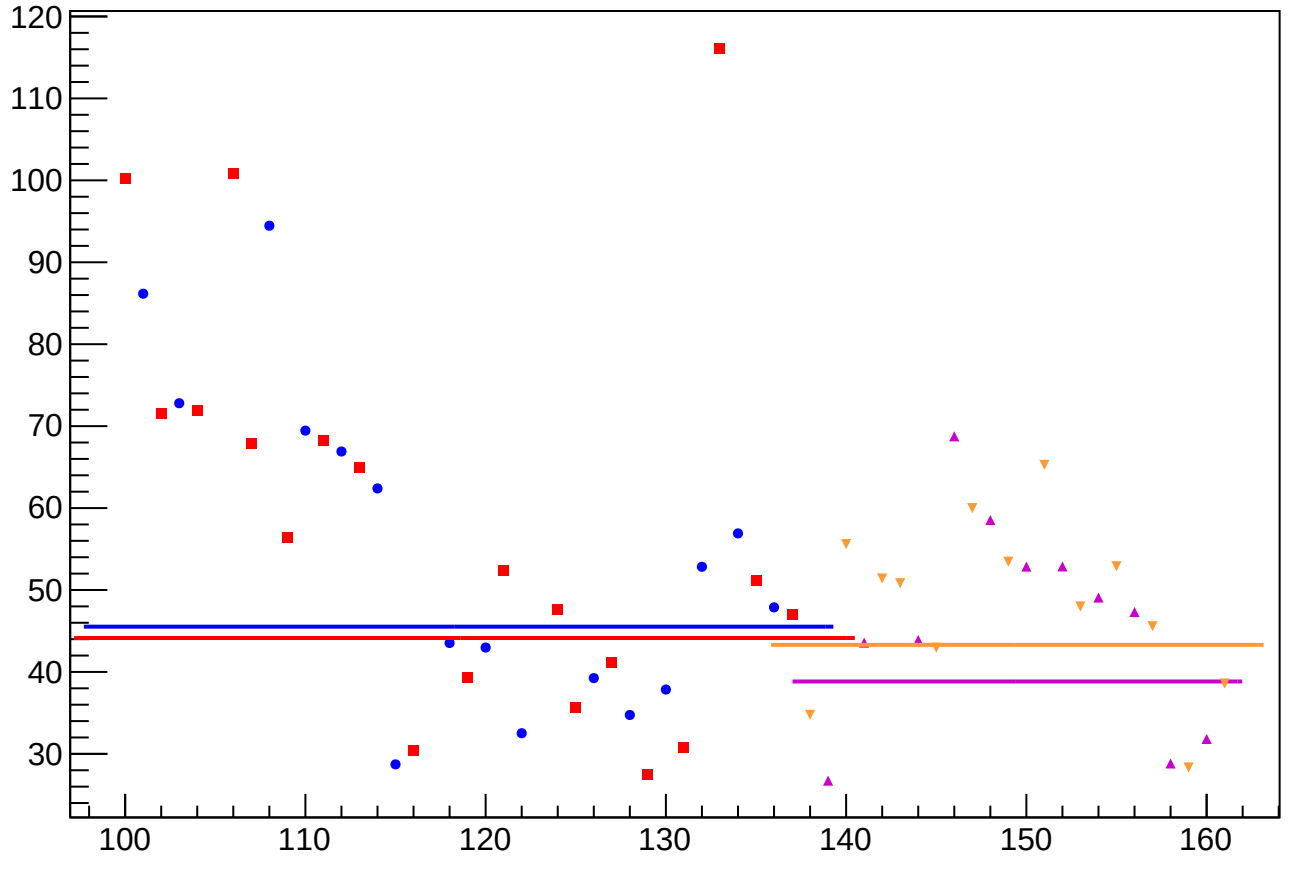
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.008+/-0.013 χ^2/NDF:11.0/10

+ sign 0.027+/-0.011 χ^2/NDF: 47.7/28

All: 0.021+/-0.008 χ^2/NDF: 79.7/58

- sign 0.016+/-0.011 χ^2/NDF: 31.5/29



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.307+/-0.010 χ^2/NDF:1127848.9/12

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

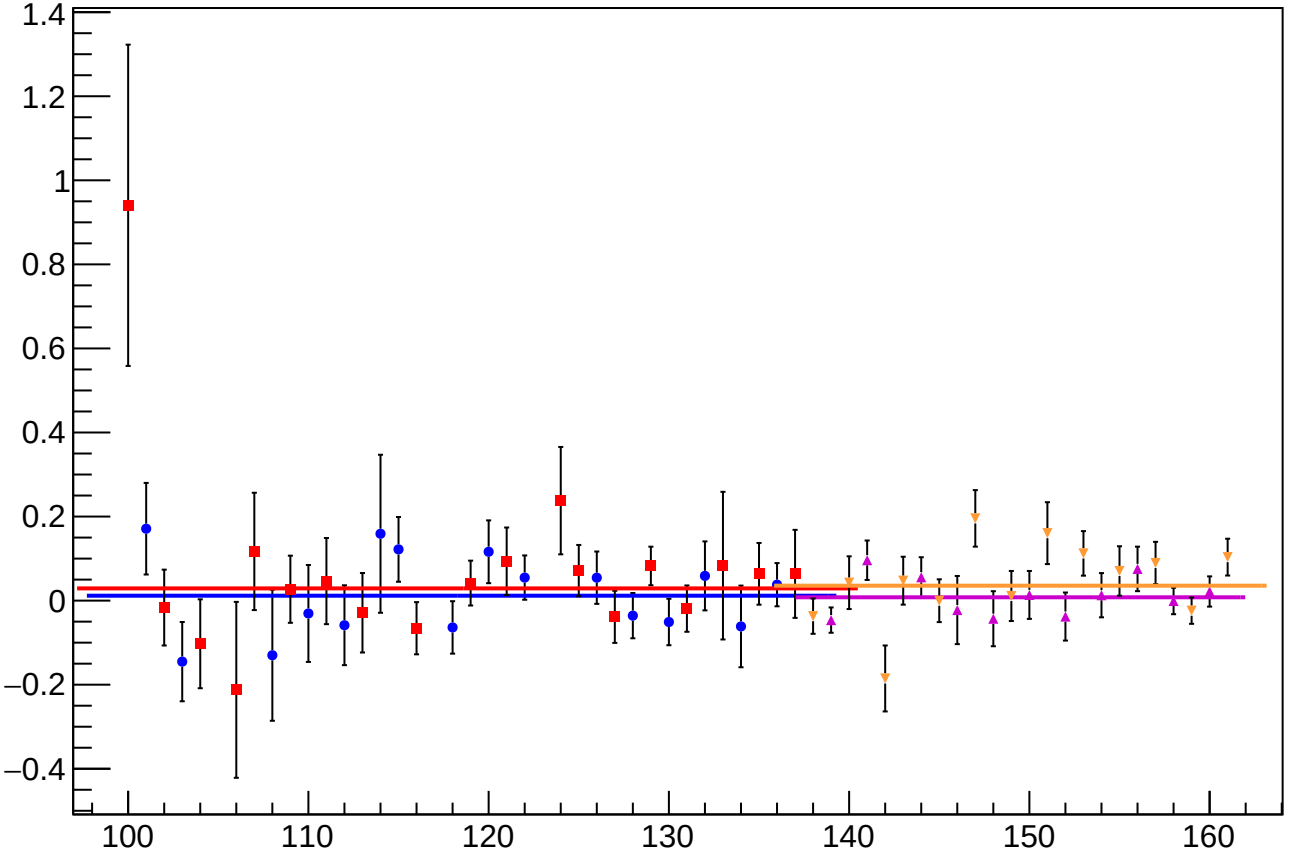
Left In: 38.836+/-0.010 χ^2/NDF:1466174.2/10

+ sign 44.141+/-0.008 χ^2/NDF: 2400068.9/28

All: 42.379+/-0.005 χ^2/NDF: 5816179.3/58

- sign 40.760+/-0.008 χ^2/NDF: 3321717.2/29

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.036+/-0.014 χ^2/NDF:29.8/12

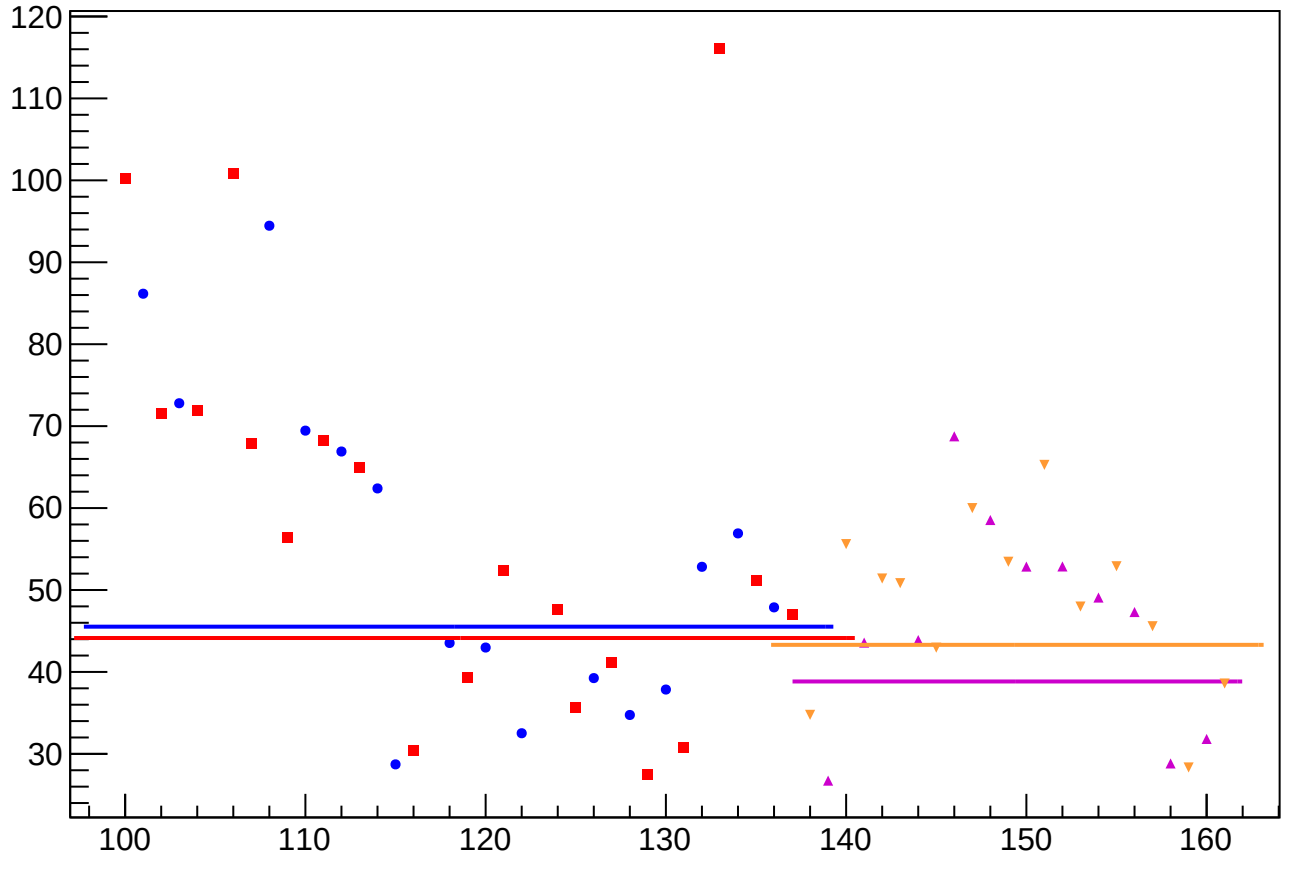
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.008+/-0.013 χ^2/NDF:11.0/10

+ sign 0.027+/-0.011 χ^2/NDF: 47.7/28

All: 0.021+/-0.008 χ^2/NDF: 79.7/58

- sign 0.016+/-0.011 χ^2/NDF: 31.5/29



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.307+/-0.010 χ^2/NDF:1127848.9/12

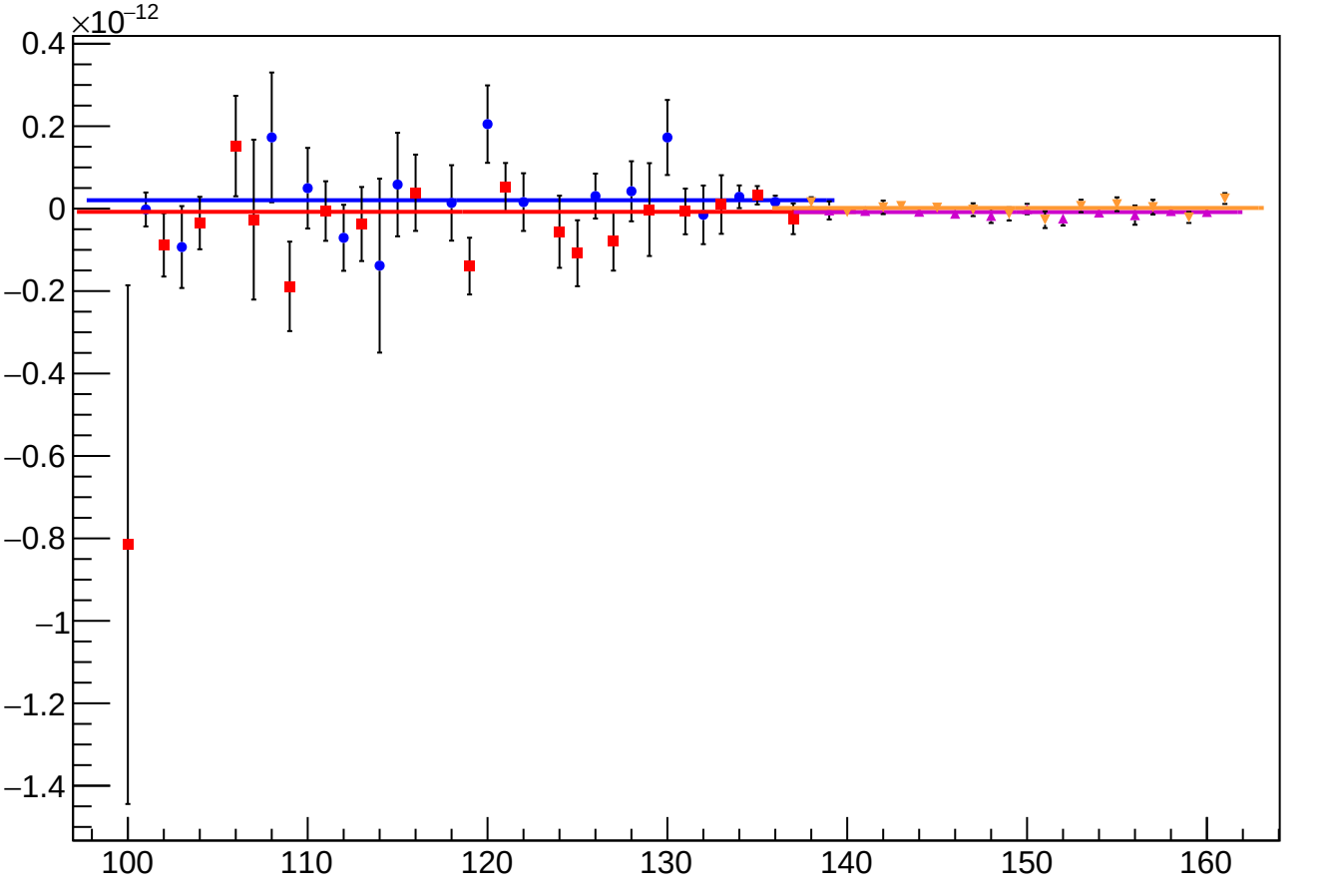
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 38.836+/-0.010 χ^2/NDF:1466174.2/10

+ sign 44.141+/-0.008 χ^2/NDF: 2400068.9/28

All: 42.379+/-0.005 χ^2/NDF: 5816179.3/58

- sign 40.760+/-0.008 χ^2/NDF: 3321717.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/12

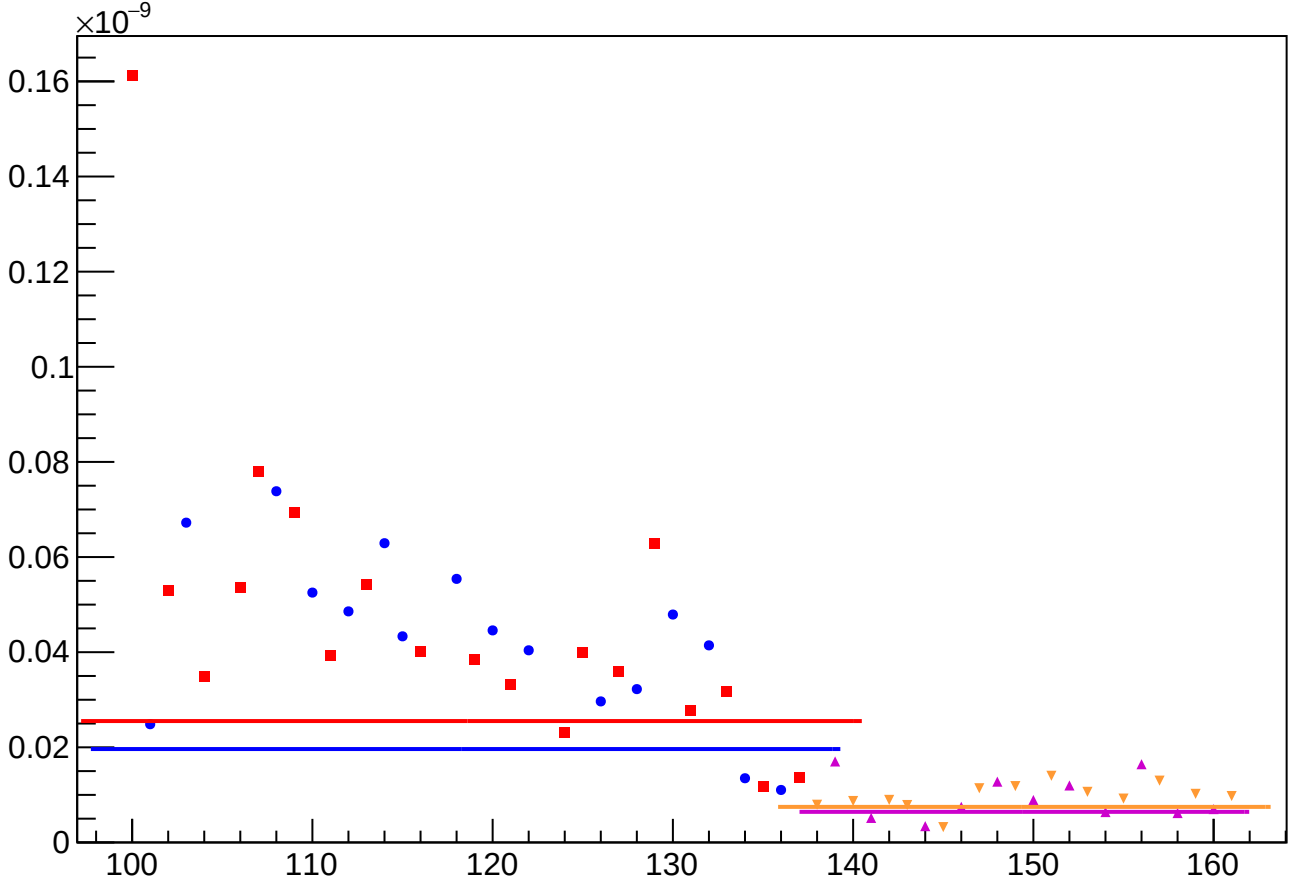
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 25.9/28

All: -0.000+/-0.000 χ^2/NDF: 53.3/58

- sign -0.000+/-0.000 χ^2/NDF: 20.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2129796.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

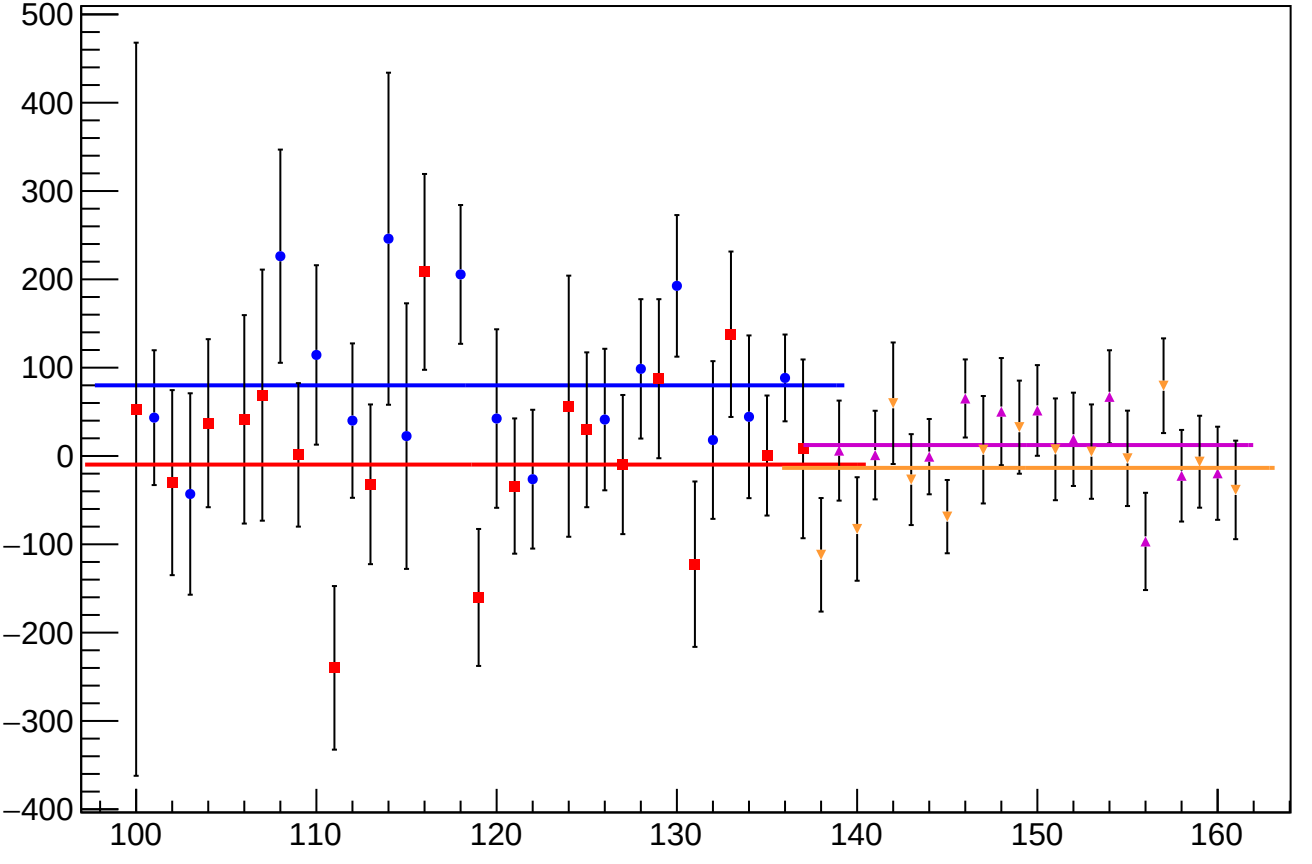
Left In: 0.000+/-0.000 χ^2/NDF:2009491.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 7548072.4/28

All: 0.000+/-0.000 χ^2/NDF: 16052783.3/58

- sign 0.000+/-0.000 χ^2/NDF: 8396198.9/29

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -13.476+/-15.136 χ^2/NDF:11.1/12

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

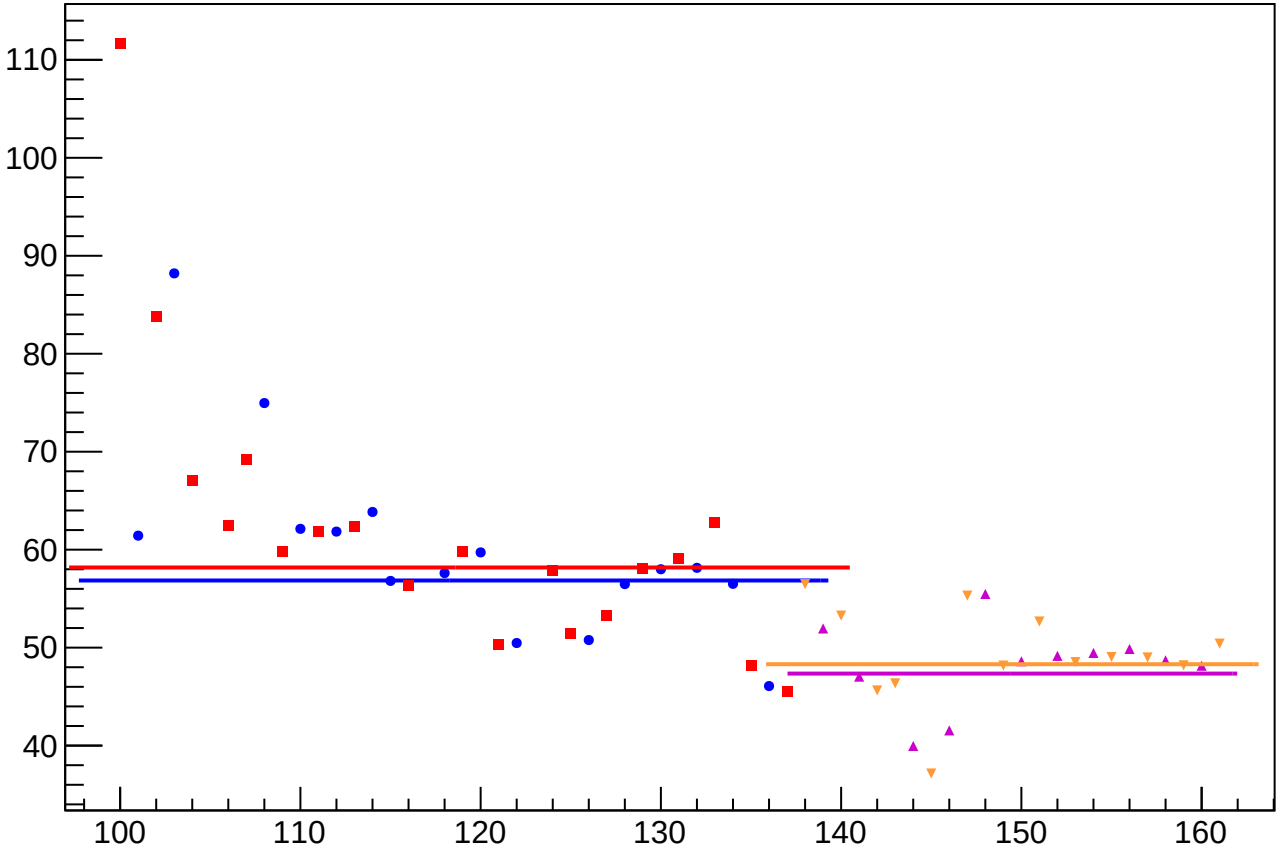
Left In: 12.375+/-15.428 χ^2/NDF:8.4/10

+ sign 17.547+/-12.372 χ^2/NDF: 35.3/28

All: 11.325+/-8.813 χ^2/NDF: 65.2/58

- sign 4.915+/-12.558 χ^2/NDF: 29.4/29

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.307+/-0.011 χ^2/NDF:238706.5/12

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

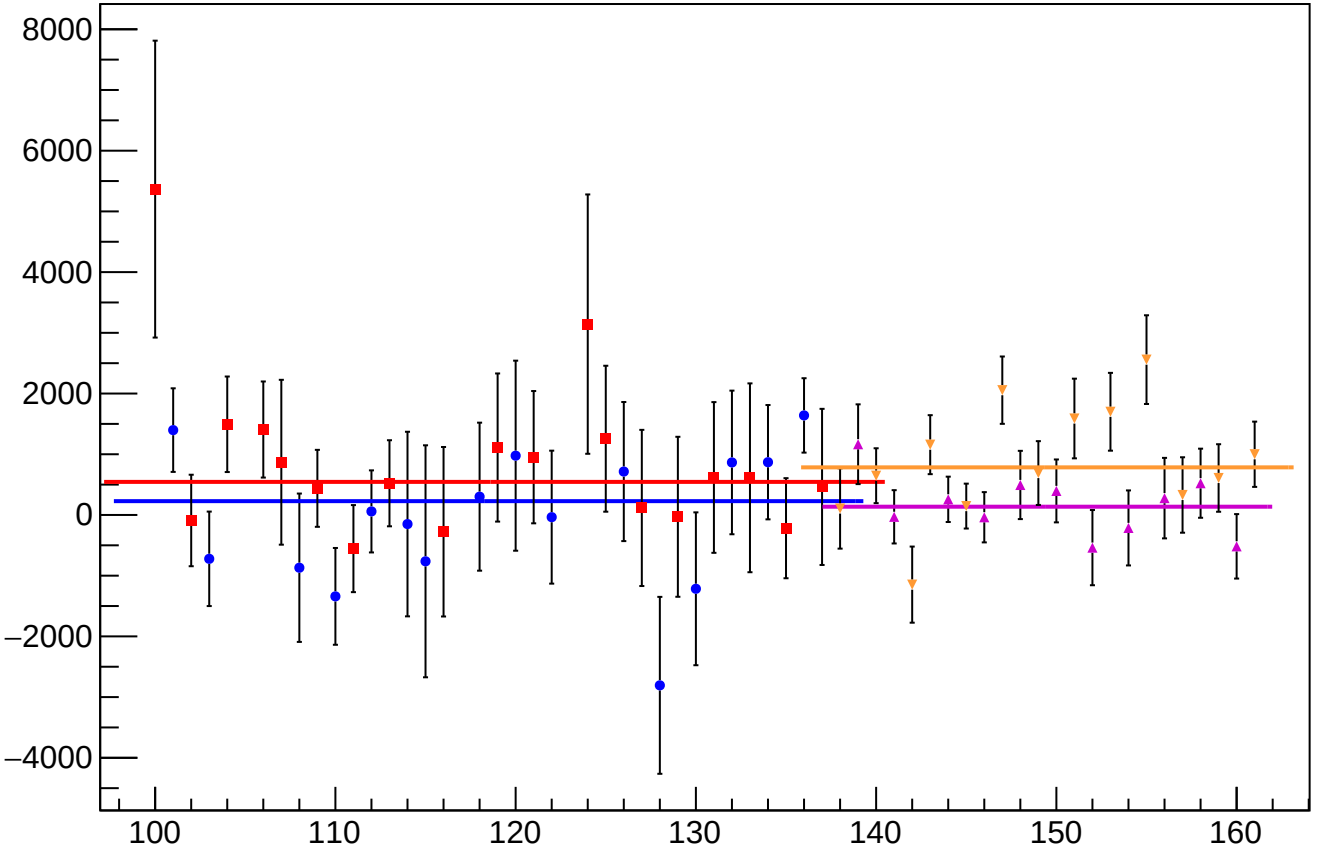
Left In: 47.350+/-0.011 χ^2/NDF:156359.7/10

+ sign 51.144+/-0.009 χ^2/NDF: 791988.3/28

All: 51.076+/-0.006 χ^2/NDF: 1595770.3/58

- sign 51.006+/-0.009 χ^2/NDF: 803659.0/29

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 784.020+/-150.652 χ^2/NDF:29.7/12

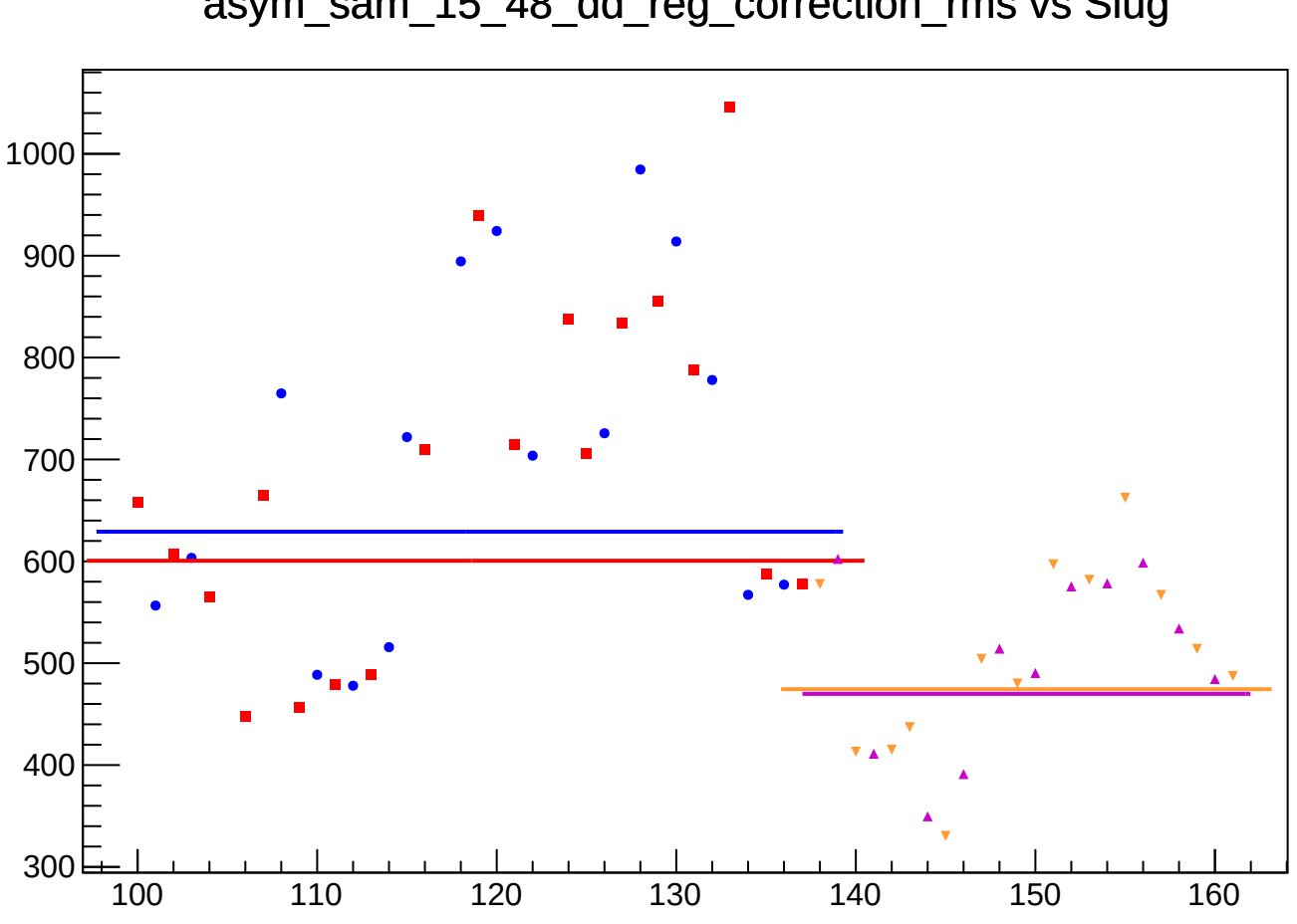
Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 136.065+/-155.159 χ^2/NDF:7.1/10

\+ sign 627.867+/-127.780 χ^2/NDF: 55.2/28

All: 447.451+/-90.481 χ^2/NDF: 81.8/58

\- sign 266.019+/-128.139 χ^2/NDF: 22.6/29



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 474.488+/-0.107 χ^2/NDF:738580.5/12

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

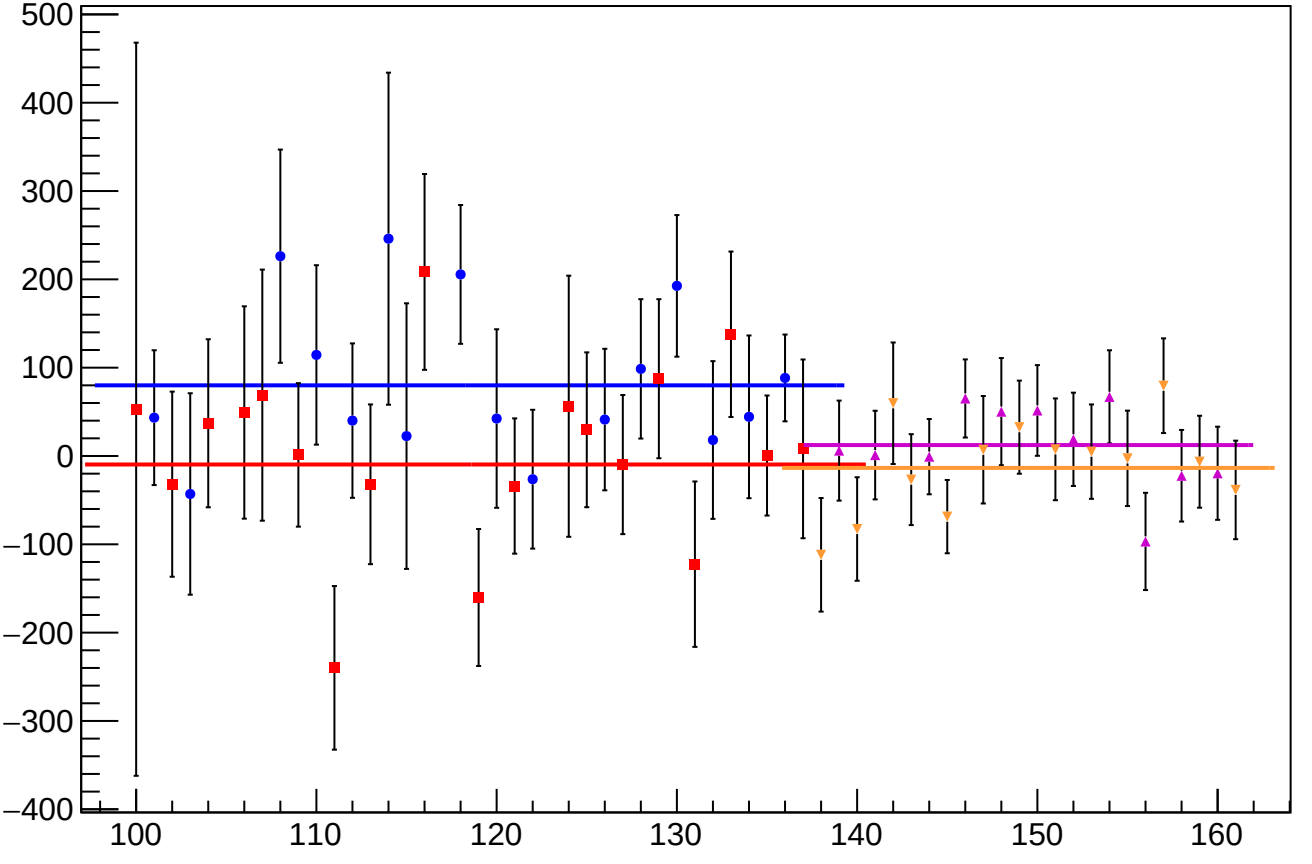
Left In: 469.888+/-0.110 χ^2/NDF:634240.1/10

+ sign 517.870+/-0.090 χ^2/NDF: 2022348.3/28

All: 514.668+/-0.064 χ^2/NDF: 3984996.4/58

- sign 511.448+/-0.091 χ^2/NDF: 1960128.9/29

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -13.477+/-15.136 χ^2/NDF:11.1/12

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

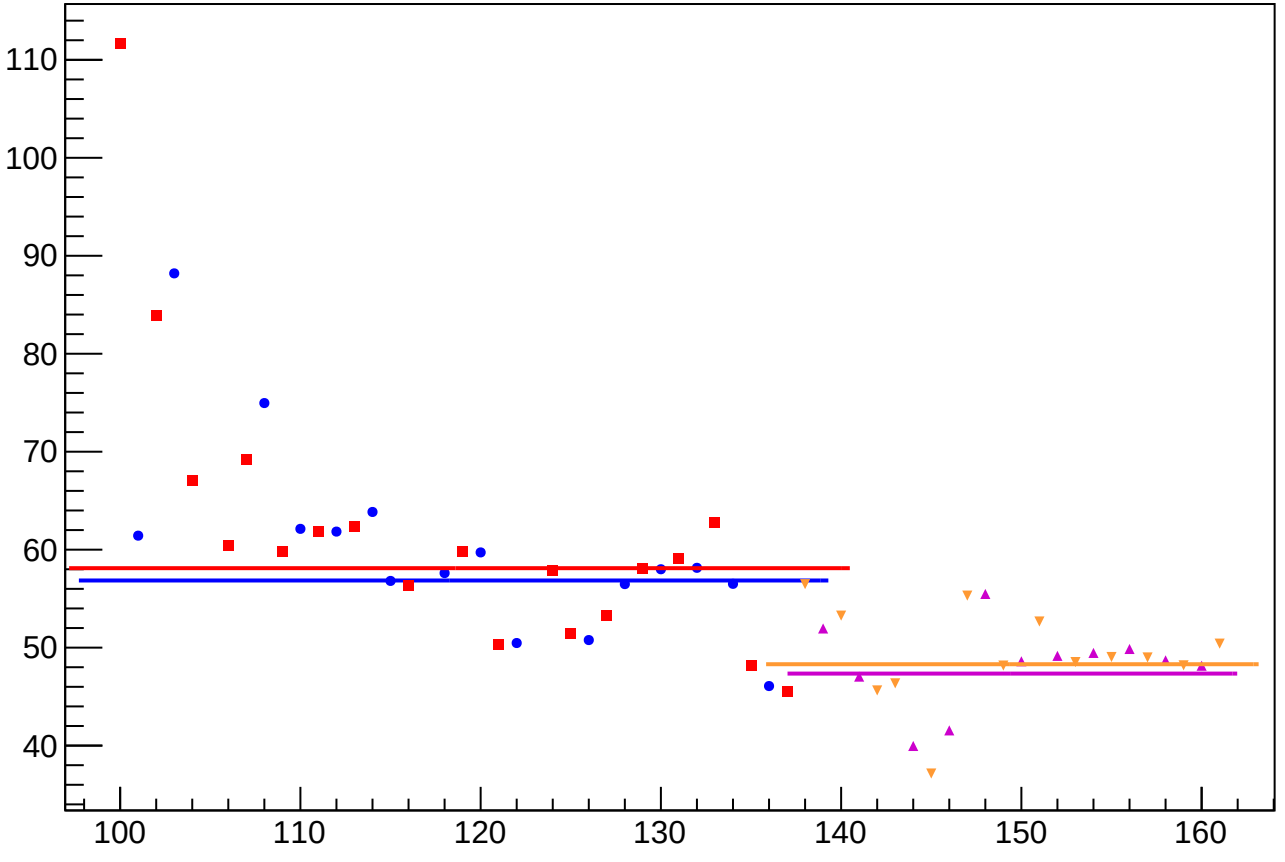
Left In: 12.377+/-15.428 χ^2/NDF:8.4/10

+ sign 17.547+/-12.372 χ^2/NDF: 35.3/28

All: 11.349+/-8.814 χ^2/NDF: 65.3/58

- sign 4.960+/-12.561 χ^2/NDF: 29.5/29

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.307+/-0.011 χ^2/NDF:238706.5/12

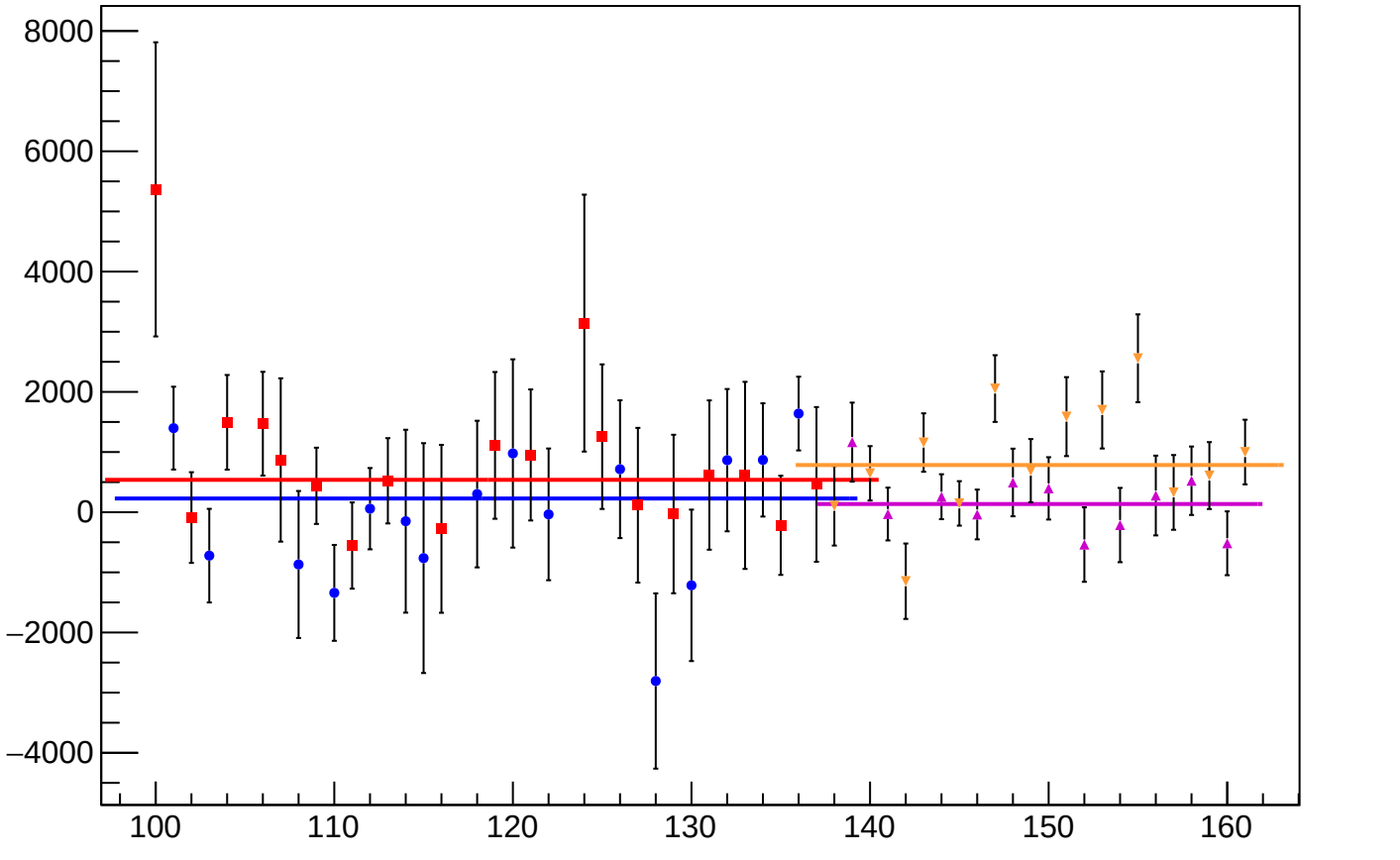
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.350+/-0.011 χ^2/NDF:156359.7/10

+ sign 51.144+/-0.009 χ^2/NDF: 791992.2/28

All: 51.063+/-0.006 χ^2/NDF: 1589501.6/58

- sign 50.979+/-0.009 χ^2/NDF: 797333.8/29



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 784.021+/-150.652 χ^2/NDF:29.7/12

Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

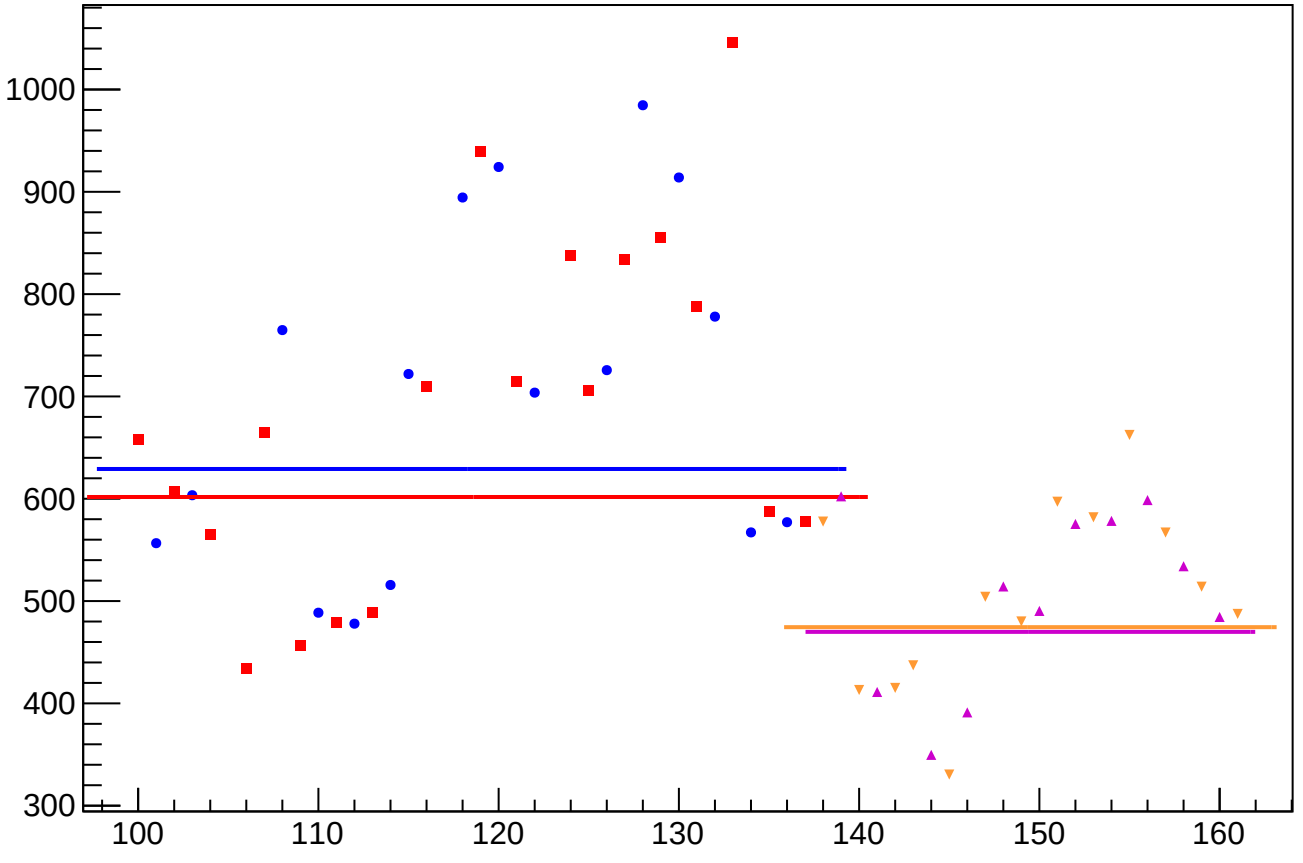
Left In: 136.069+/-155.159 χ^2/NDF:7.1/10

+ sign 627.879+/-127.780 χ^2/NDF: 55.2/28

All: 446.212+/-90.575 χ^2/NDF: 81.8/58

- sign 262.754+/-128.408 χ^2/NDF: 22.5/29

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 474.488+/-0.107 χ^2/NDF:738582.5/12

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

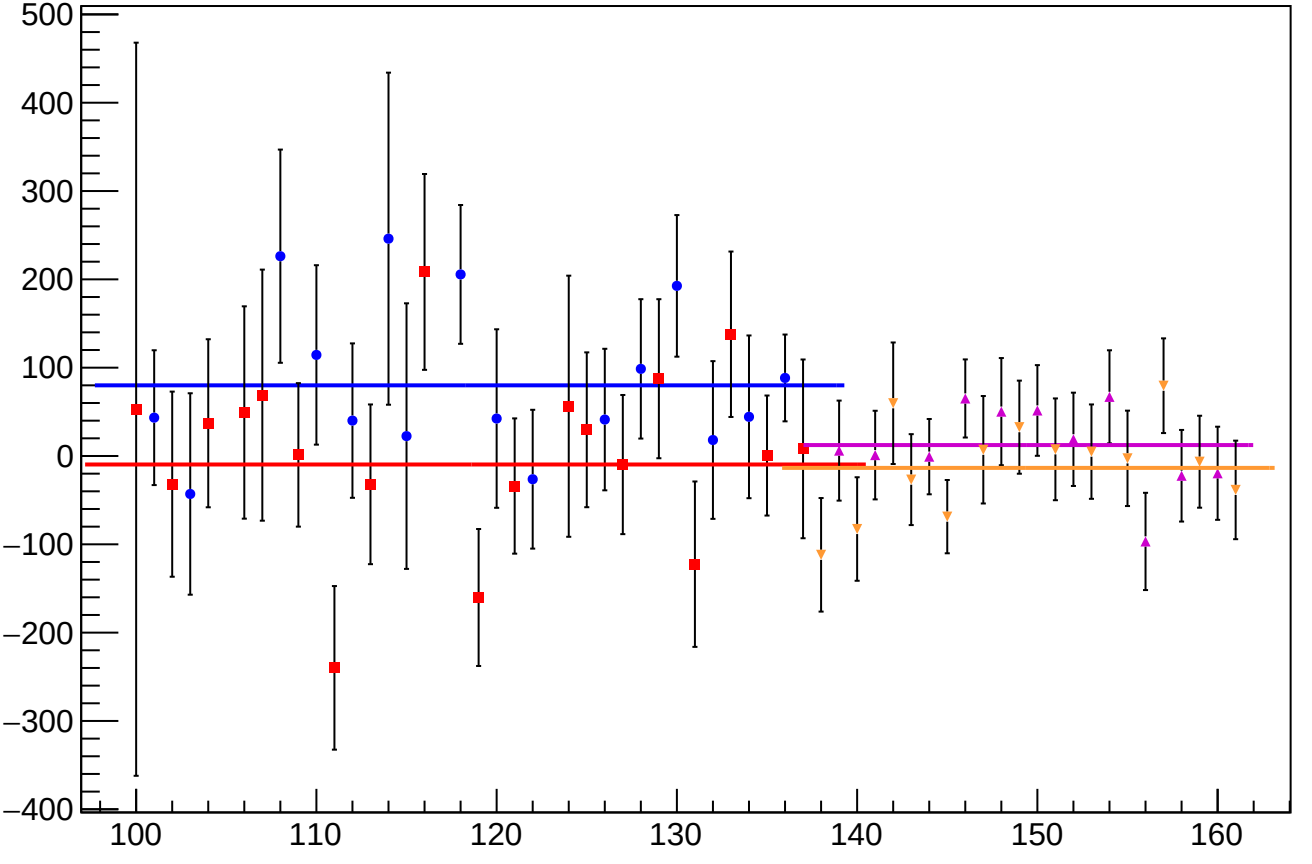
Left In: 469.888+/-0.110 χ^2/NDF:634238.5/10

+ sign 517.871+/-0.090 χ^2/NDF: 2022373.1/28

All: 514.666+/-0.064 χ^2/NDF: 3988134.6/58

- sign 511.428+/-0.091 χ^2/NDF: 1963231.7/29

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -13.477+/-15.136 χ^2/NDF:11.1/12

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

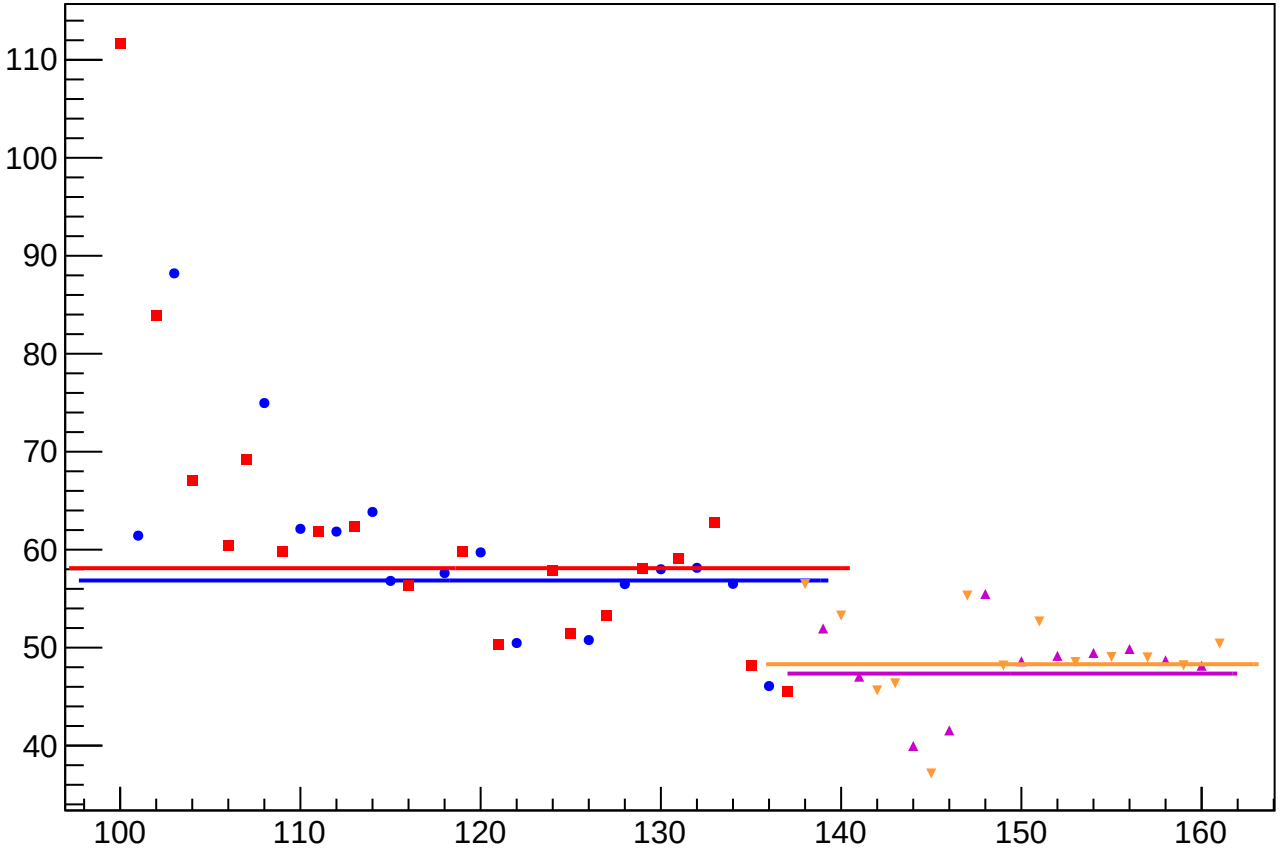
Left In: 12.377+/-15.428 χ^2/NDF:8.4/10

+ sign 17.547+/-12.372 χ^2/NDF: 35.3/28

All: 11.349+/-8.814 χ^2/NDF: 65.3/58

- sign 4.960+/-12.561 χ^2/NDF: 29.5/29

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.307+/-0.011 χ^2/NDF:238706.5/12

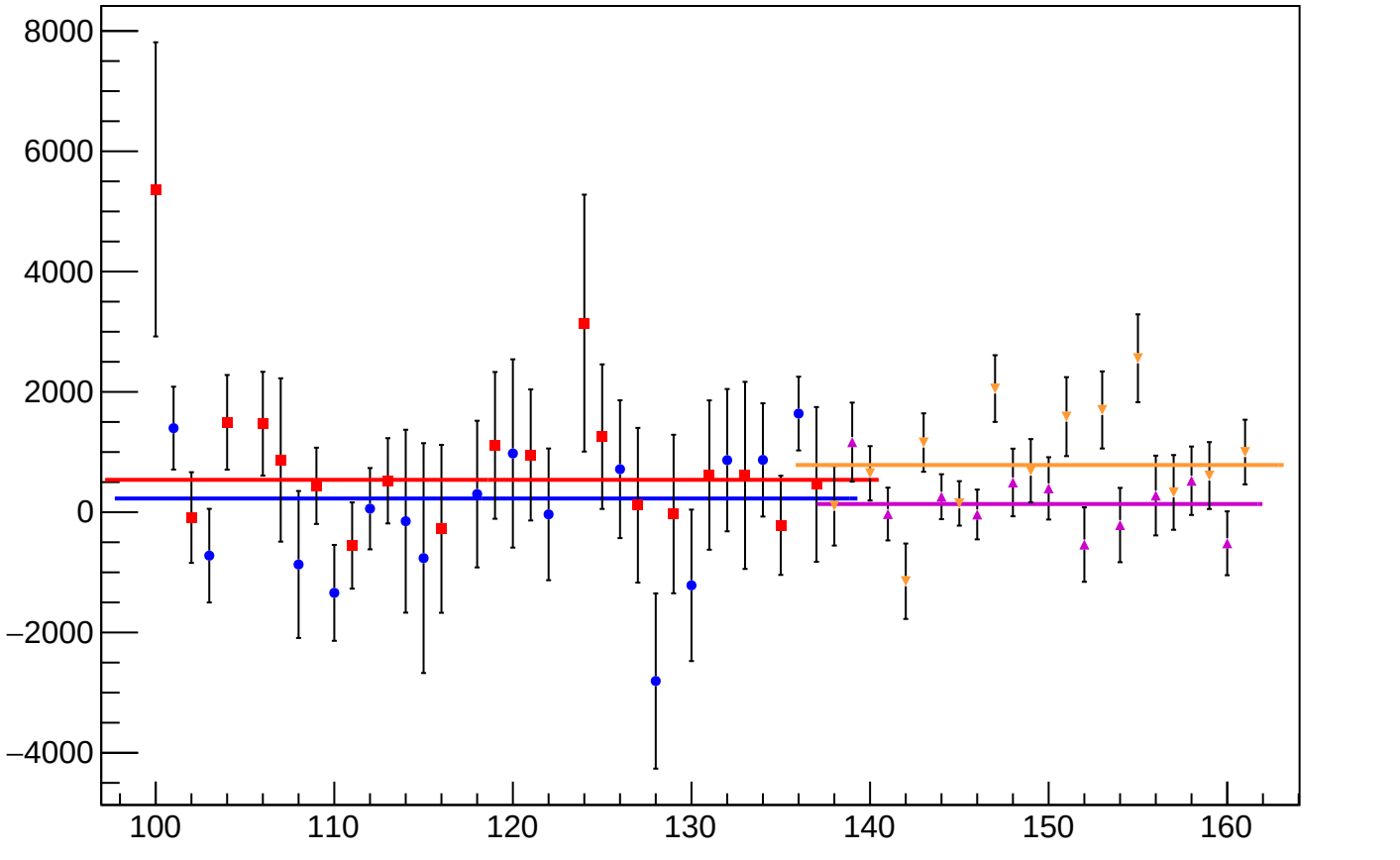
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.350+/-0.011 χ^2/NDF:156359.7/10

+ sign 51.144+/-0.009 χ^2/NDF: 791992.2/28

All: 51.063+/-0.006 χ^2/NDF: 1589501.6/58

- sign 50.979+/-0.009 χ^2/NDF: 797333.8/29



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 784.021+/-150.652 χ^2/NDF:29.7/12

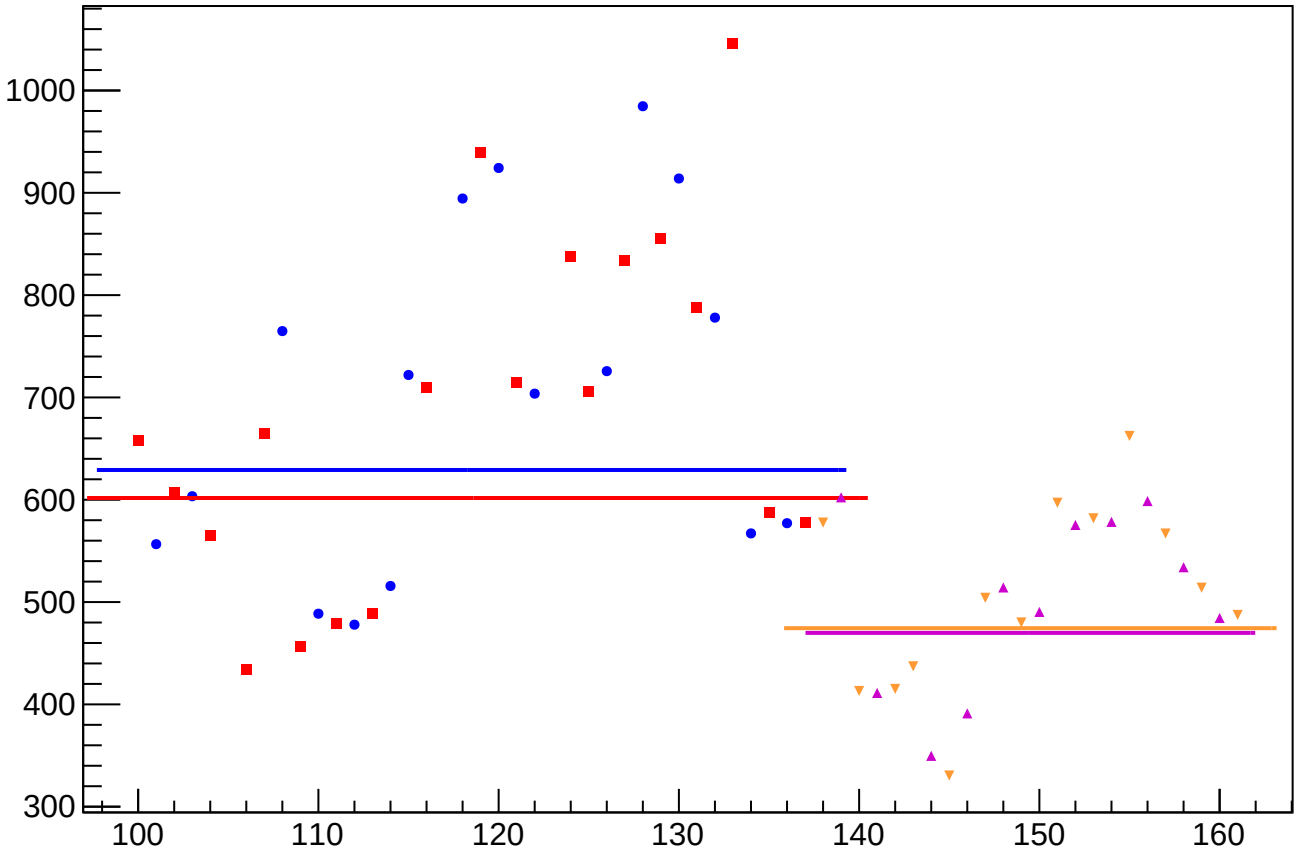
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 136.069+/-155.159 χ^2/NDF:7.1/10

\+ sign 627.879+/-127.780 χ^2/NDF: 55.2/28

All: 446.212+/-90.575 χ^2/NDF: 81.8/58

\- sign 262.754+/-128.408 χ^2/NDF: 22.5/29



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 474.488+/-0.107 χ^2/NDF:738582.5/12

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

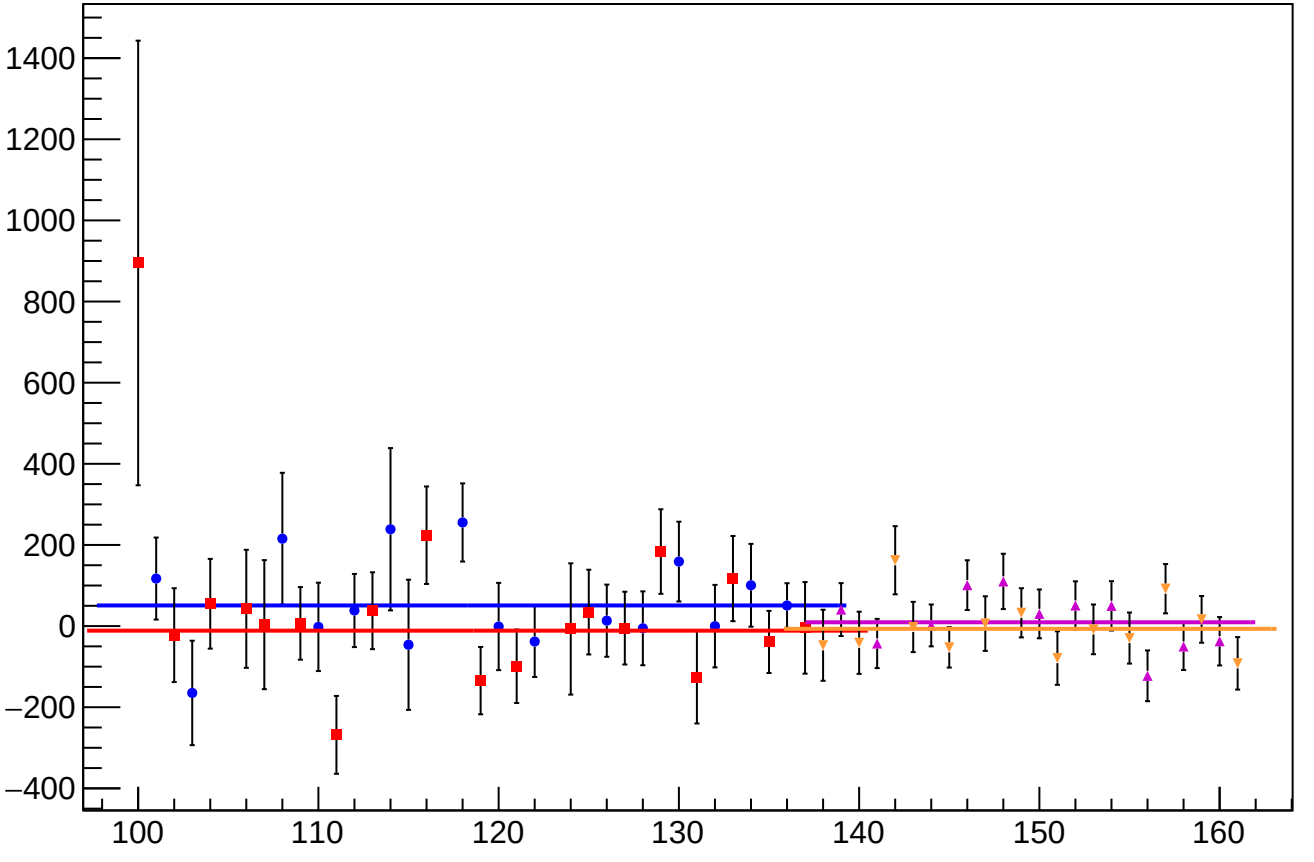
Left In: 469.888+/-0.110 χ^2/NDF:634238.5/10

+ sign 517.871+/-0.090 χ^2/NDF: 2022373.1/28

All: 514.666+/-0.064 χ^2/NDF: 3988134.6/58

- sign 511.428+/-0.091 χ^2/NDF: 1963231.7/29

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -6.762+/-17.794 χ^2/NDF:11.6/12

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

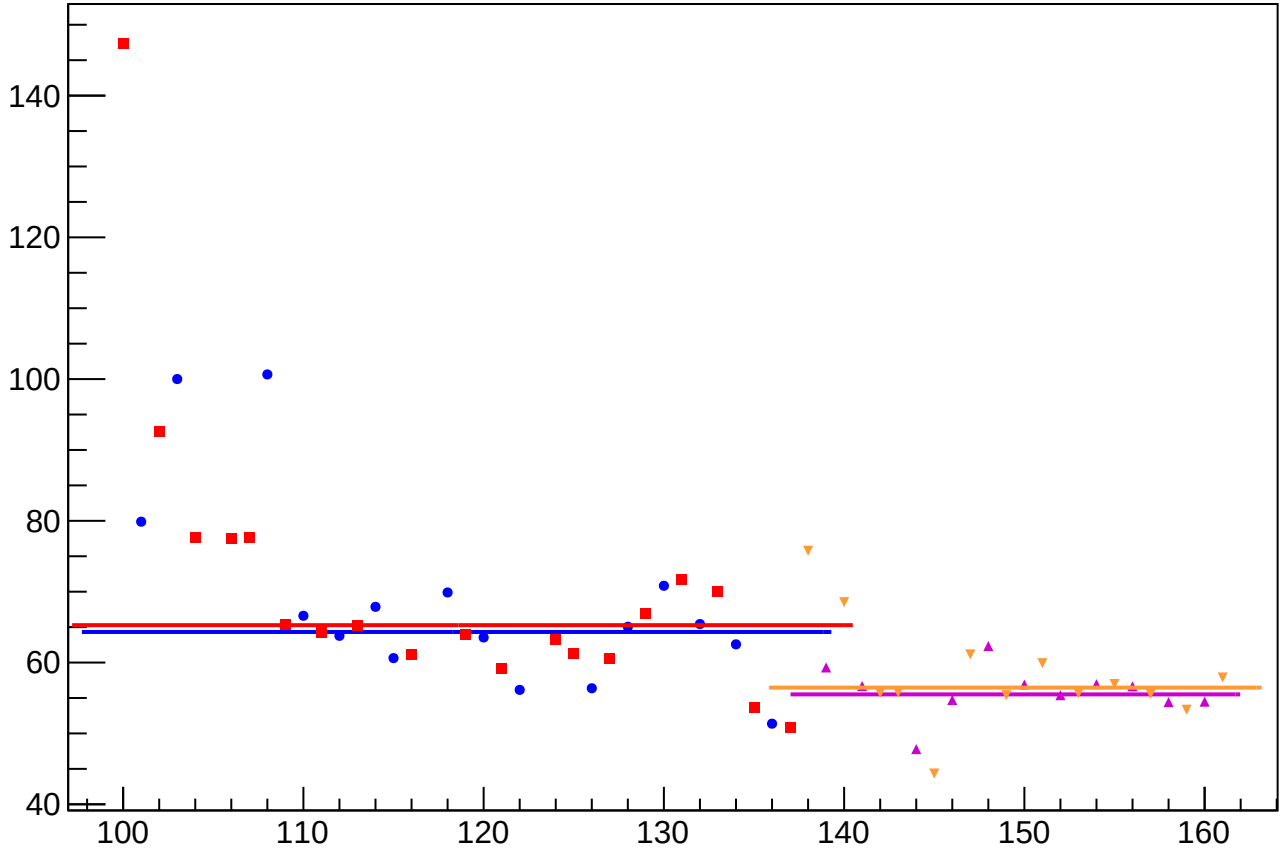
Left In: 9.376+/-18.176 χ^2/NDF:12.6/10

+ sign 13.145+/-14.396 χ^2/NDF: 29.1/28

All: 7.627+/-10.237 χ^2/NDF: 66.4/58

- sign 1.982+/-14.560 χ^2/NDF: 37.1/29

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.464+/-0.013 χ^2/NDF:289192.0/12

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

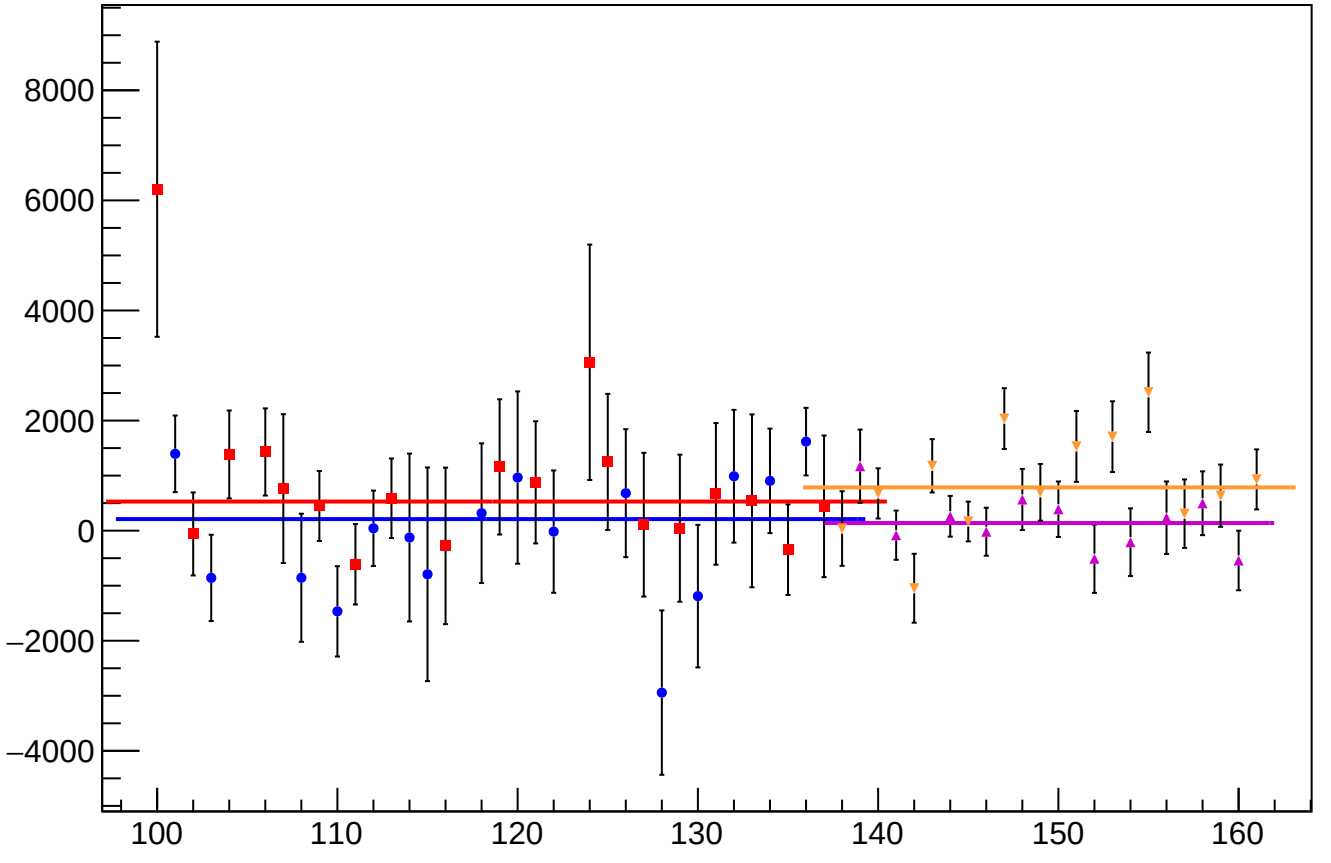
Left In: 55.510+/-0.013 χ^2/NDF:76804.7/10

+ sign 59.177+/-0.010 χ^2/NDF: 888708.1/28

All: 59.095+/-0.007 χ^2/NDF: 1491698.9/58

- sign 59.010+/-0.010 χ^2/NDF: 602857.6/29

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 785.749+/-150.232 χ^2/NDF:28.4/12

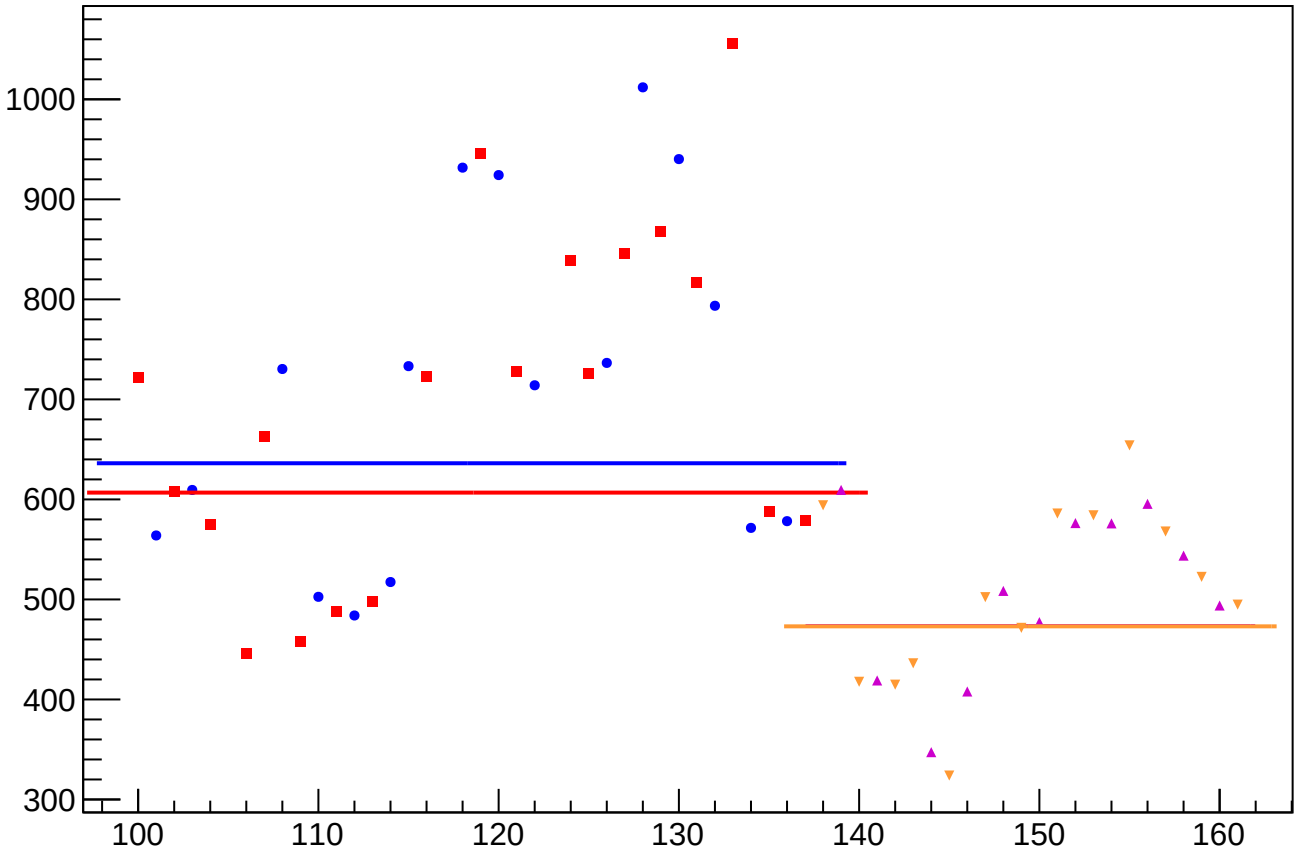
Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: 139.118+/-156.309 χ^2/NDF:7.1/10

\+ sign 627.298+/-127.899 χ^2/NDF: 54.9/28

All: 446.742+/-90.903 χ^2/NDF: 81.9/58

\- sign 262.430+/-129.222 χ^2/NDF: 22.9/29



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 473.085+/-0.106 χ^2/NDF:780261.4/12

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

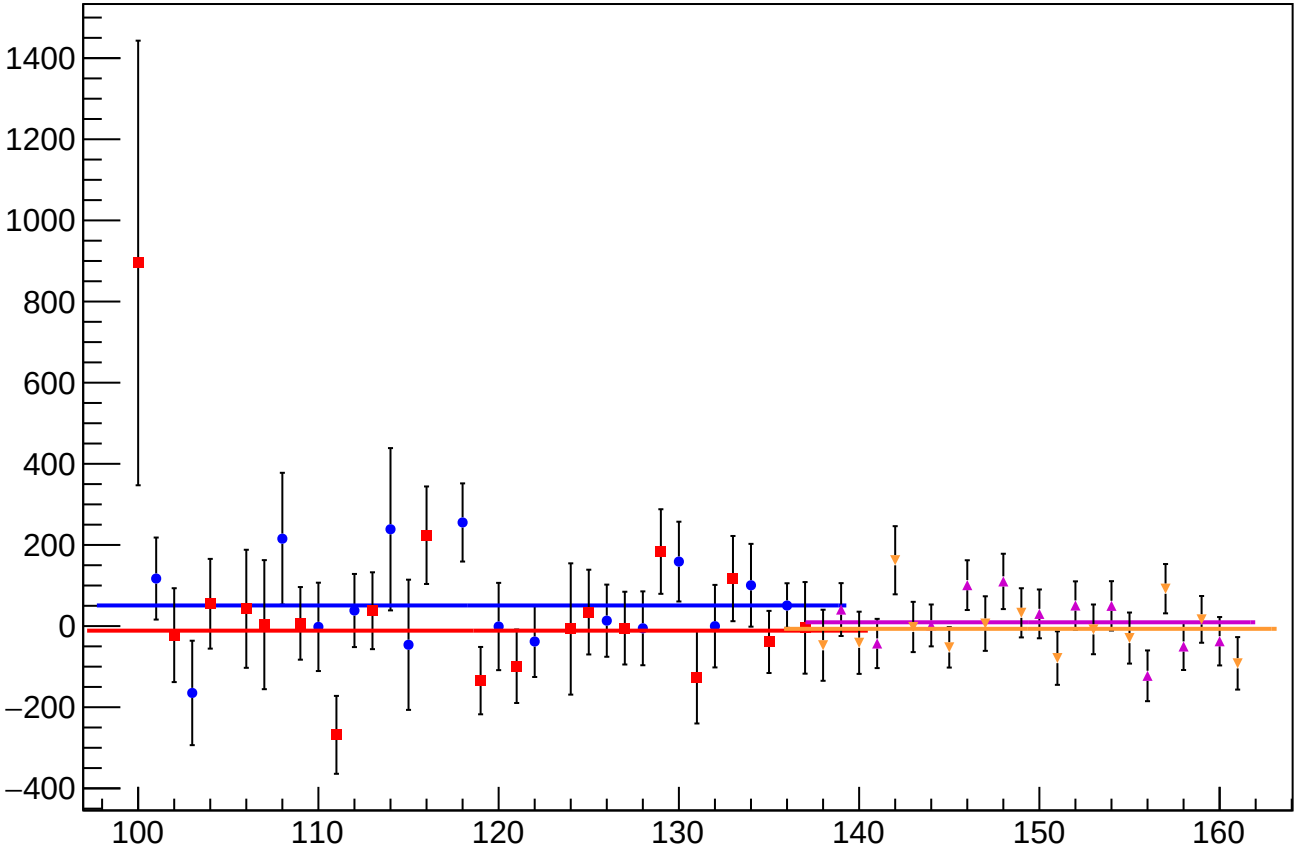
Left In: 473.437+/-0.111 χ^2/NDF:610117.8/10

+ sign 517.962+/-0.090 χ^2/NDF: 2133938.1/28

All: 516.820+/-0.064 χ^2/NDF: 4099134.4/58

- sign 515.654+/-0.091 χ^2/NDF: 1964873.9/29

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -6.763+/-17.794 χ^2/NDF:11.6/12

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

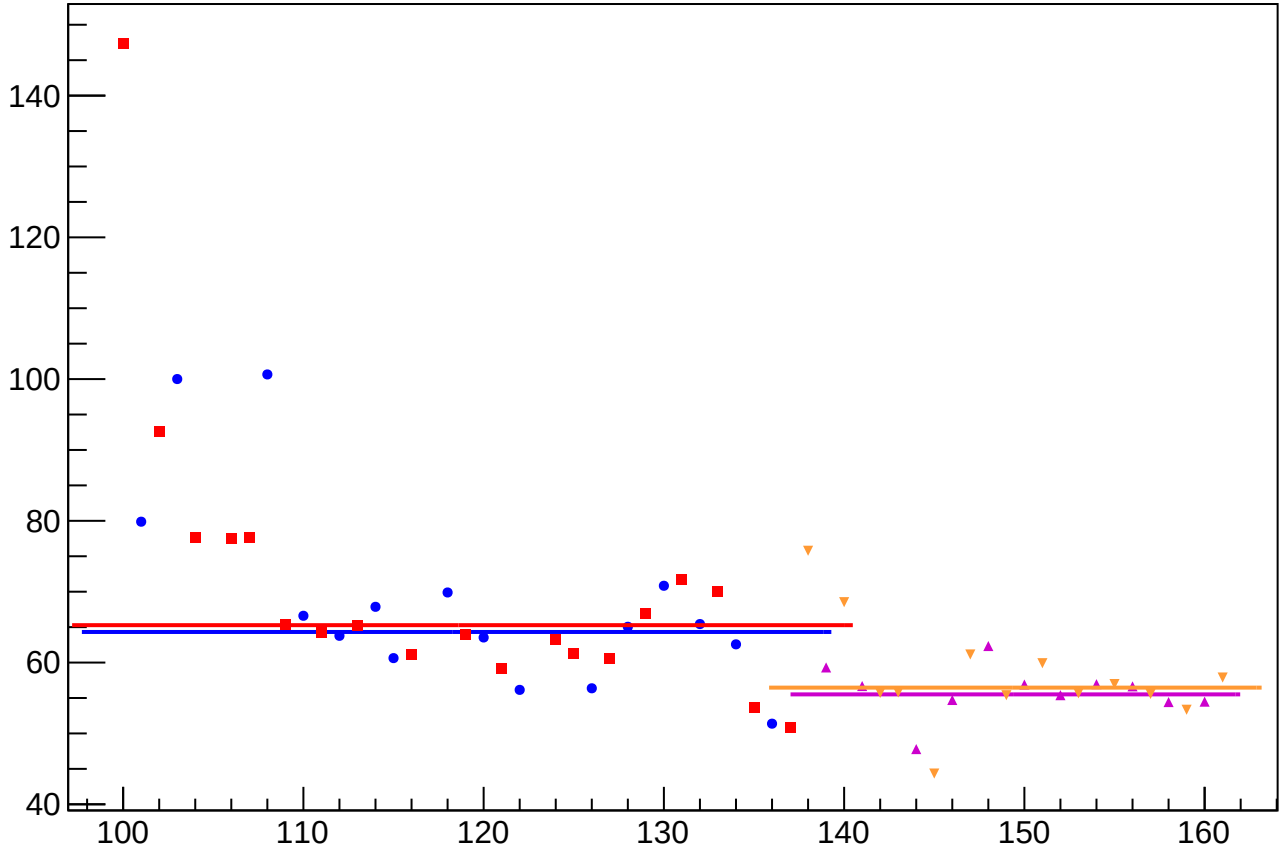
Left In: 9.376+/-18.176 χ^2/NDF:12.6/10

+ sign 13.144+/-14.396 χ^2/NDF: 29.1/28

All: 7.626+/-10.237 χ^2/NDF: 66.4/58

- sign 1.982+/-14.560 χ^2/NDF: 37.1/29

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.464+/-0.013 χ^2/NDF:289178.4/12

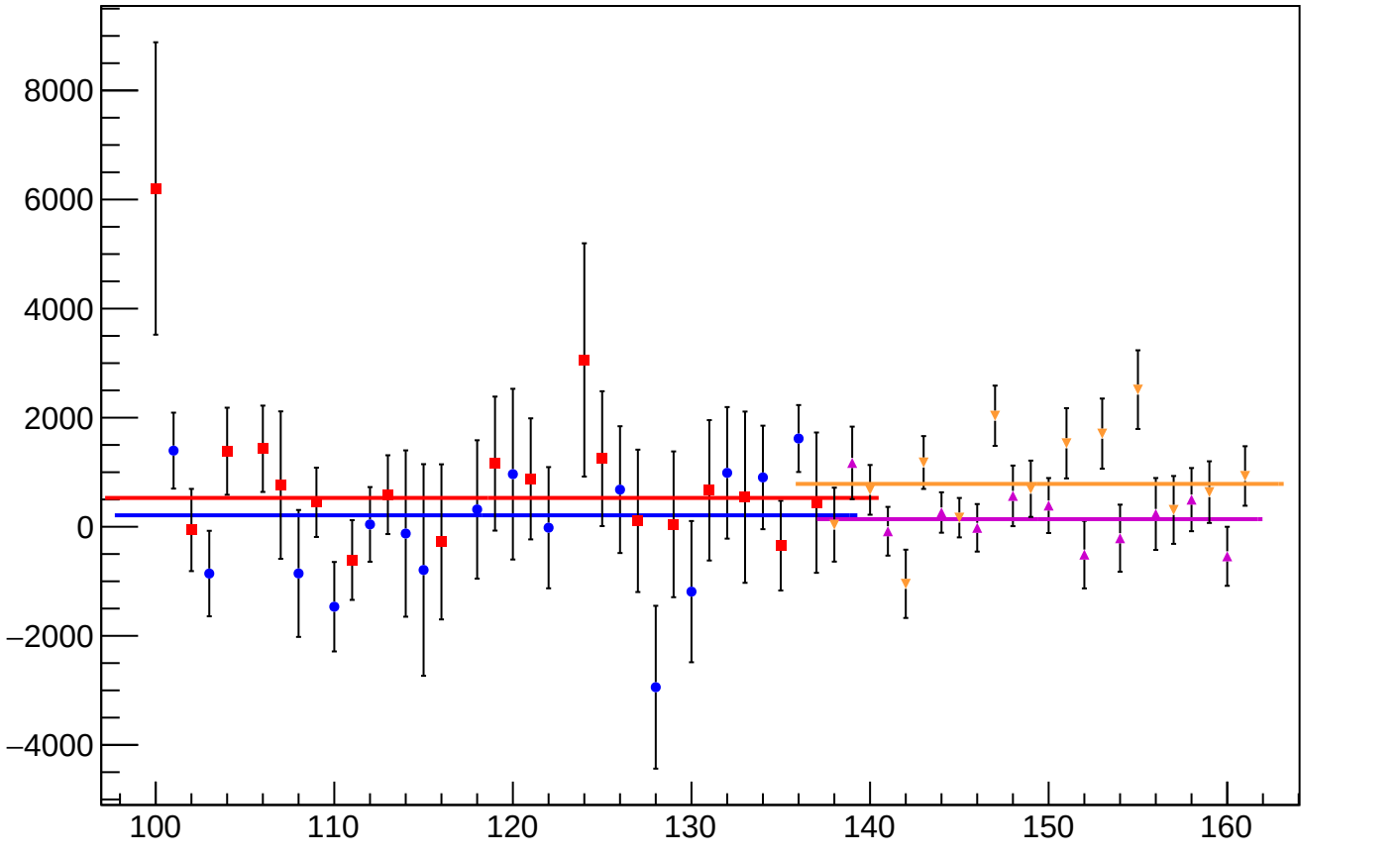
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.511+/-0.013 χ^2/NDF:76800.2/10

+ sign 59.177+/-0.010 χ^2/NDF: 888684.6/28

All: 59.095+/-0.007 χ^2/NDF: 1491664.9/58

- sign 59.010+/-0.010 χ^2/NDF: 602846.9/29



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 785.747+/-150.232 χ^2/NDF:28.4/12

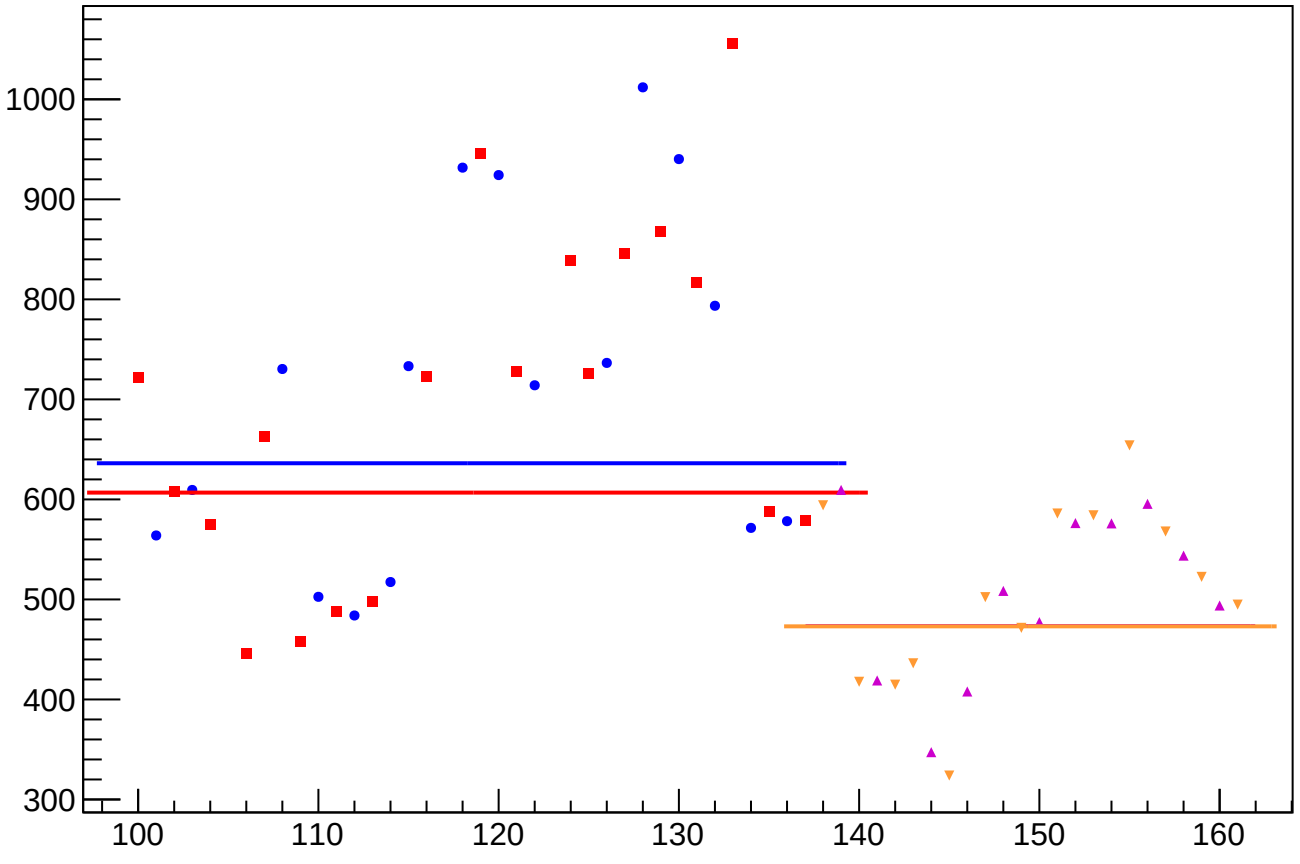
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 139.117+/-156.308 χ^2/NDF:7.1/10

\+ sign 627.296+/-127.899 χ^2/NDF: 54.9/28

All: 446.741+/-90.902 χ^2/NDF: 81.9/58

\- sign 262.429+/-129.222 χ^2/NDF: 22.9/29



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 473.084+/-0.106 χ^2/NDF:780268.3/12

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

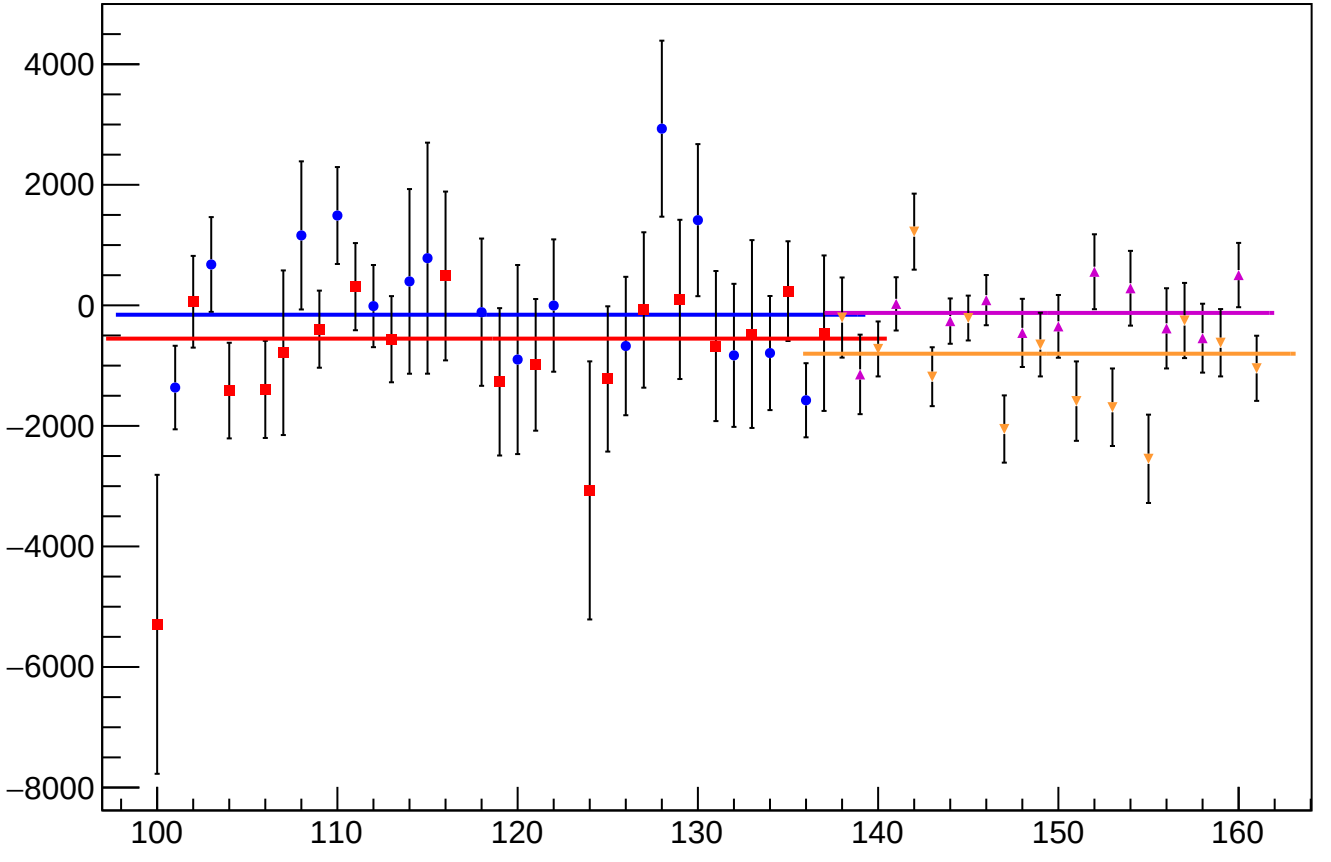
Left In: 473.437+/-0.111 χ^2/NDF:610118.2/10

+ sign 517.961+/-0.090 χ^2/NDF: 2133951.9/28

All: 516.819+/-0.064 χ^2/NDF: 4099152.0/58

- sign 515.653+/-0.091 χ^2/NDF: 1964877.7/29

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -802.434+/-151.490 χ^2/NDF:29.5/12

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

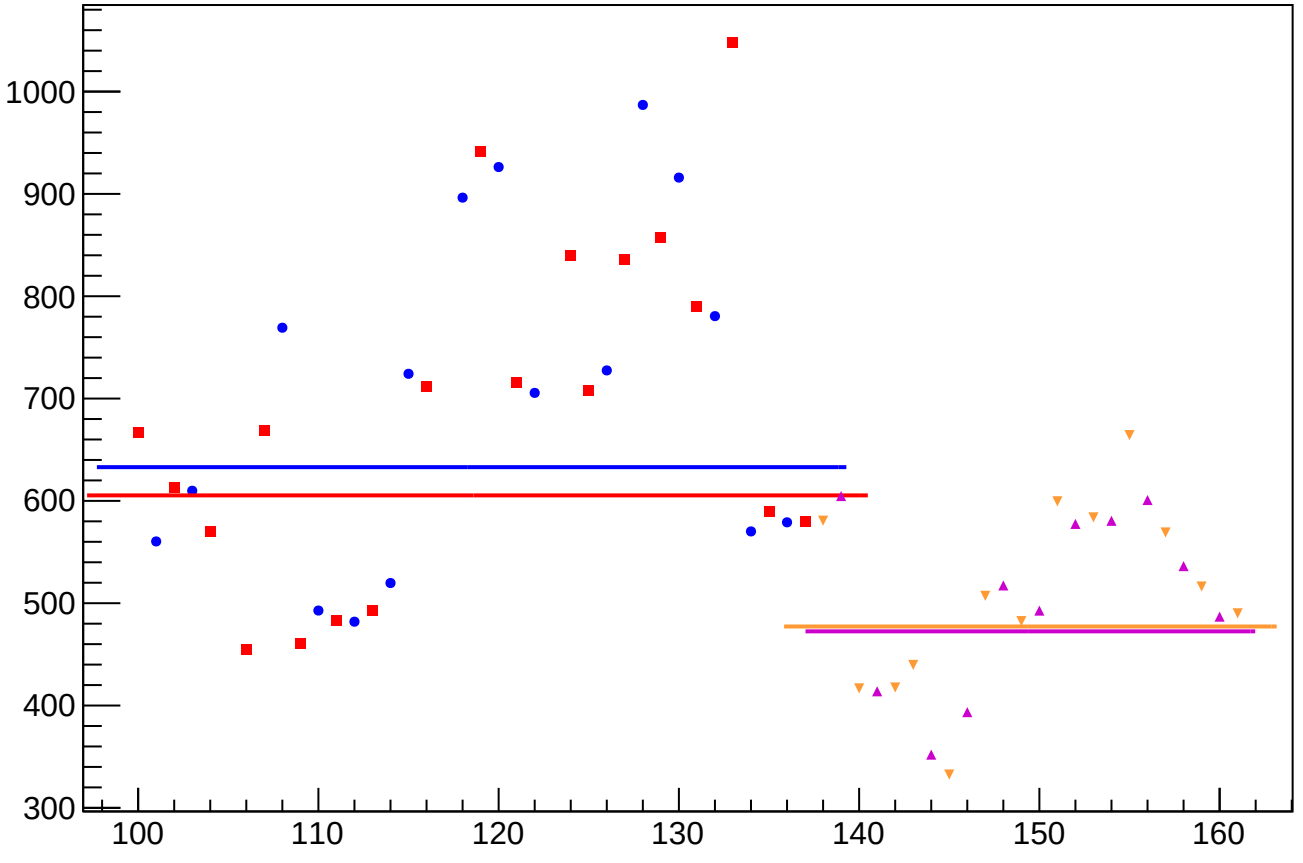
Left In: -125.551+/-155.986 χ^2/NDF:7.1/10

+ sign -620.981+/-128.494 χ^2/NDF: 57.1/28

All: -441.483+/-91.002 χ^2/NDF: 82.6/58

- sign -260.850+/-128.899 χ^2/NDF: 21.6/29

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 477.245+/-0.107 χ^2/NDF:730126.6/12

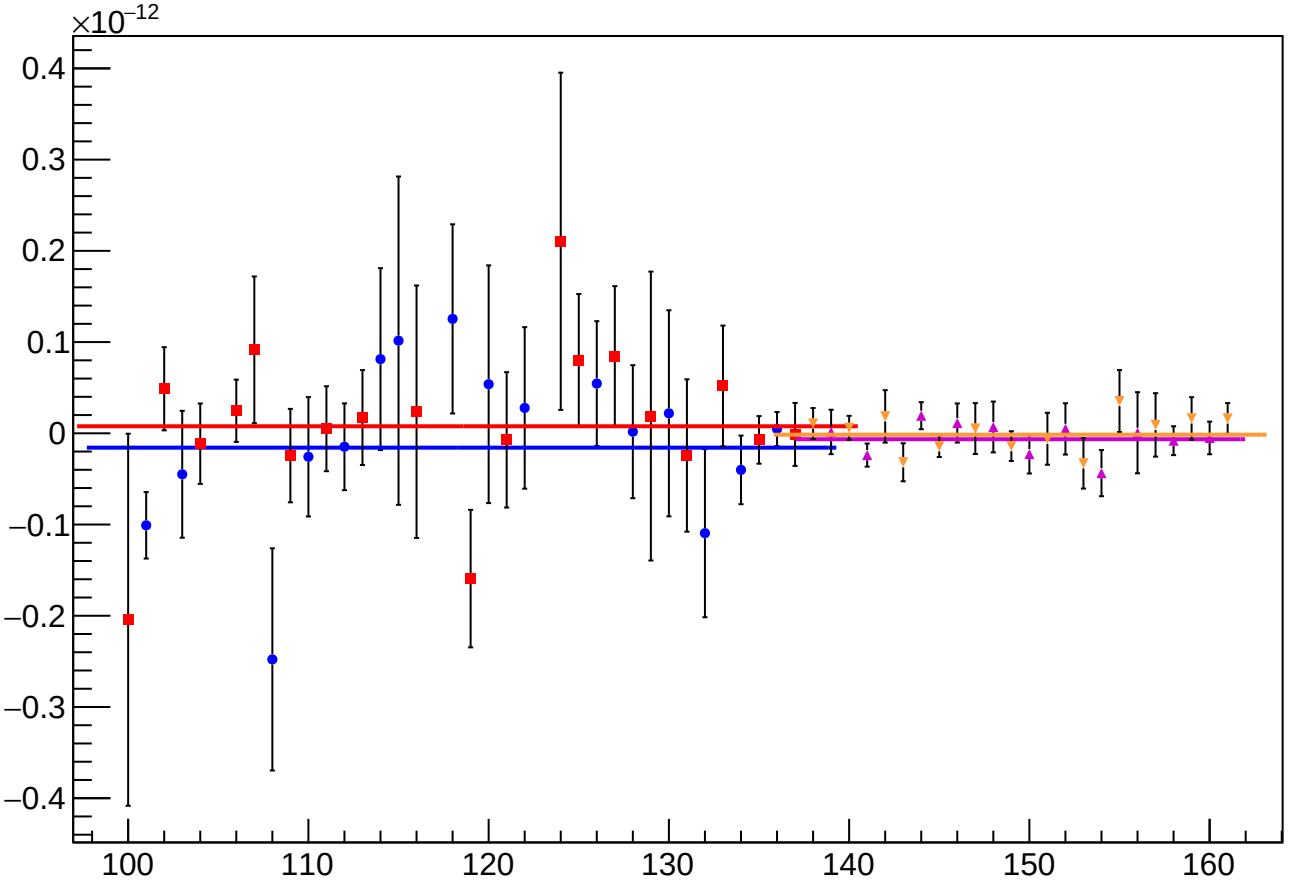
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 472.496+/-0.110 χ^2/NDF:626955.0/10

+ sign 520.932+/-0.091 χ^2/NDF: 2004138.4/28

All: 517.794+/-0.064 χ^2/NDF: 3947748.9/58

- sign 514.636+/-0.091 χ^2/NDF: 1941217.2/29



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/12

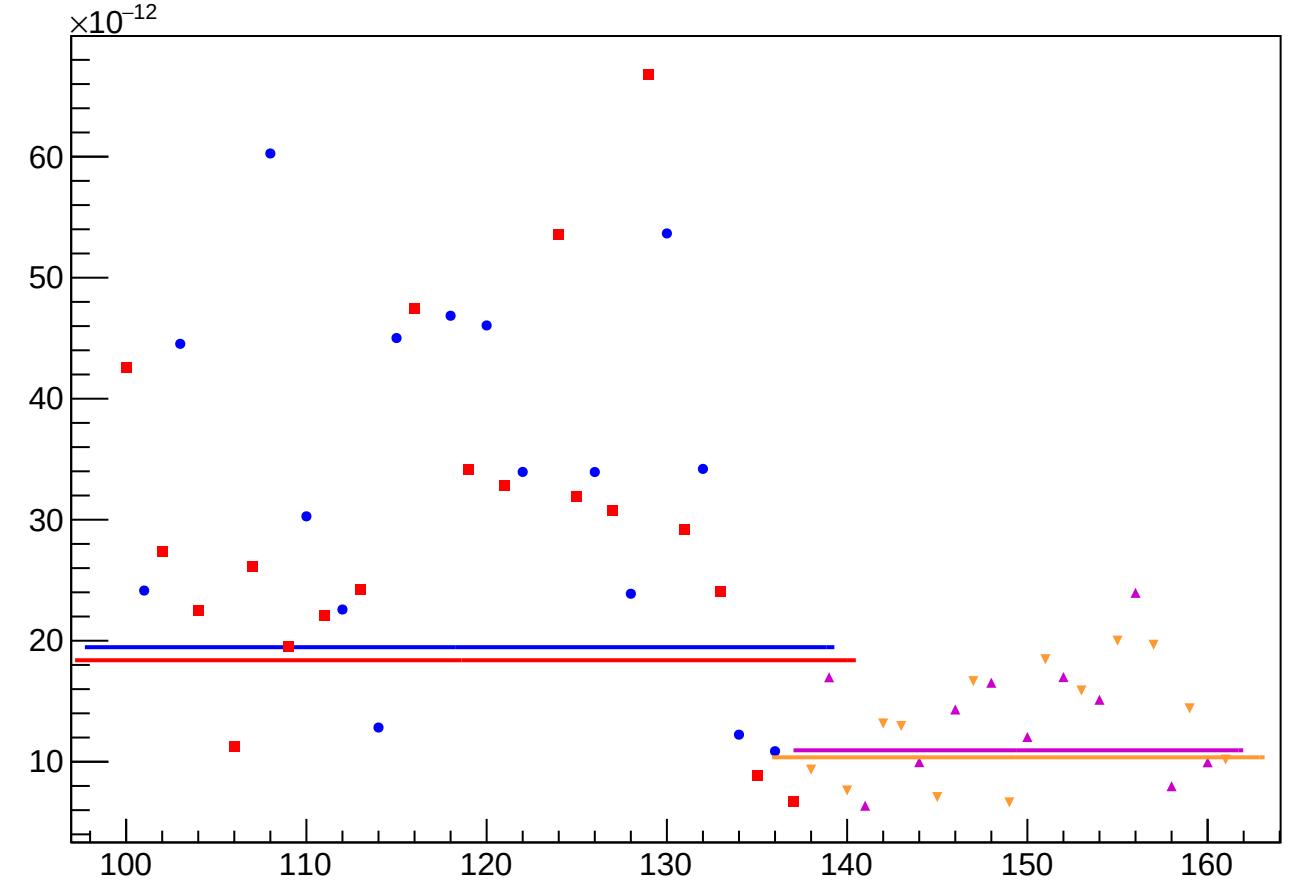
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 27.6/28

All: -0.000+/-0.000 χ^2/NDF: 50.5/58

- sign -0.000+/-0.000 χ^2/NDF: 23.0/29



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1114777.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

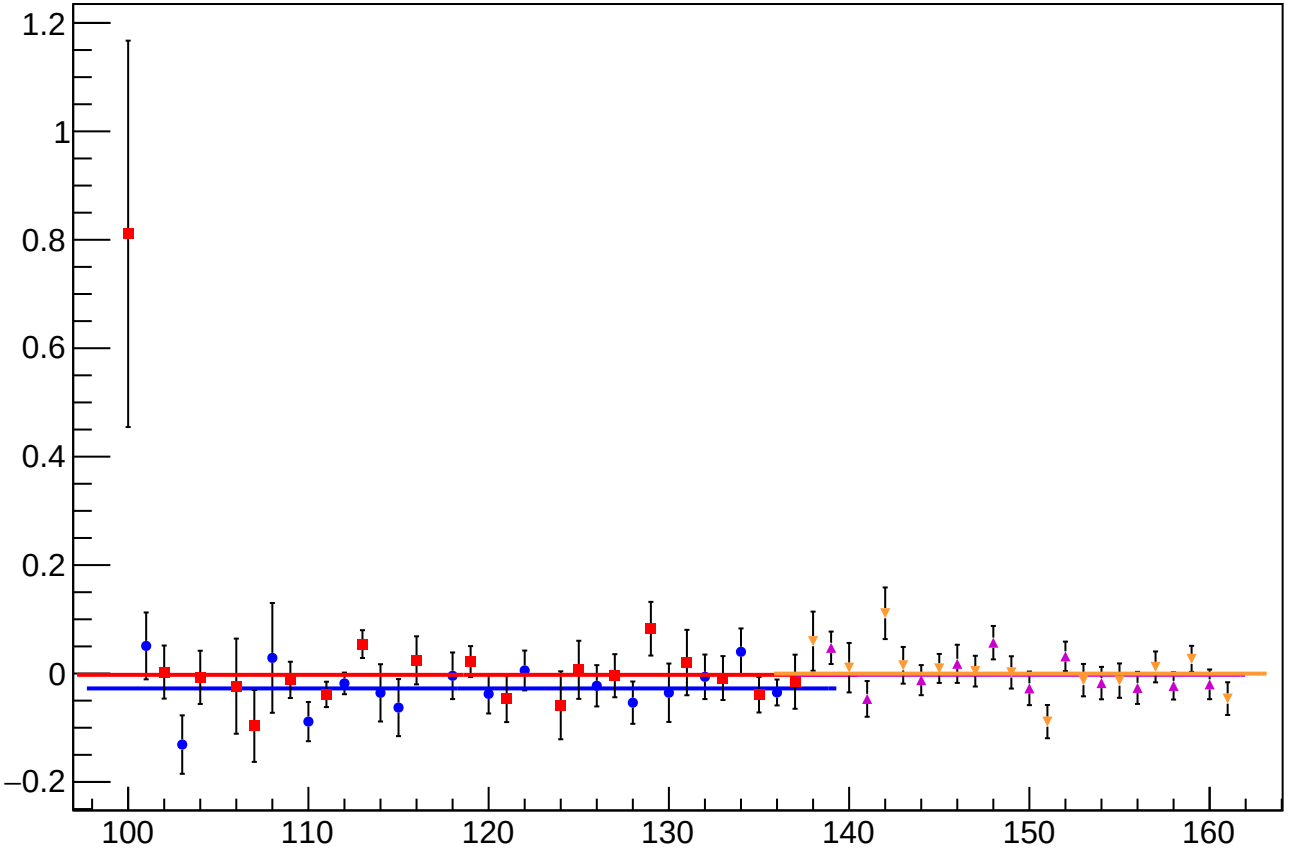
Left In: 0.000+/-0.000 χ^2/NDF:923251.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 3732712.8/28

All: 0.000+/-0.000 χ^2/NDF: 6720379.0/58

- sign 0.000+/-0.000 χ^2/NDF: 2973608.6/29

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: -0.000+/-0.009 χ^2/NDF:19.6/12

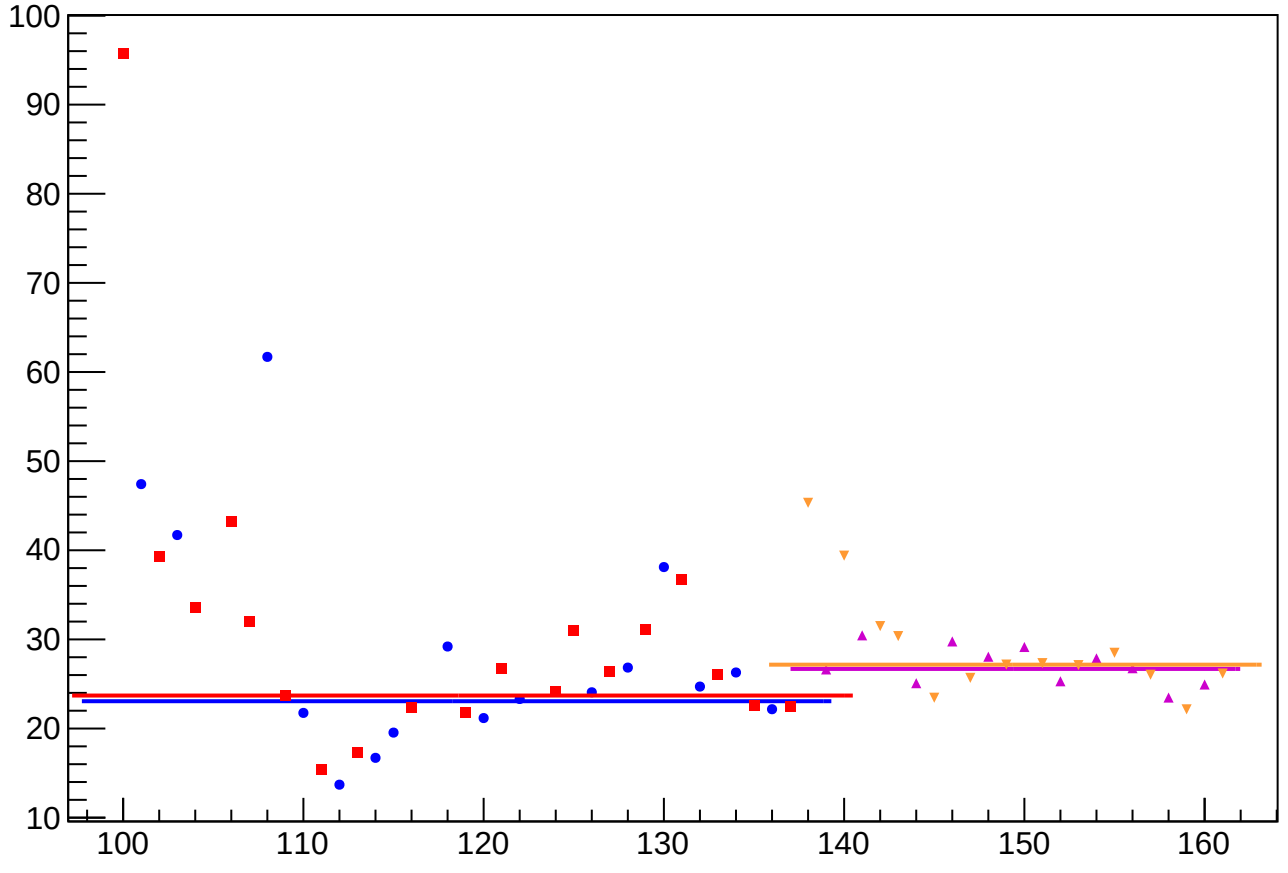
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.009 χ^2/NDF:13.0/10

+ sign -0.013+/-0.006 χ^2/NDF: 37.8/28

All: -0.008+/-0.005 χ^2/NDF: 74.1/58

- sign -0.002+/-0.006 χ^2/NDF: 35.1/29



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.166+/-0.006 χ^2/NDF:539848.9/12

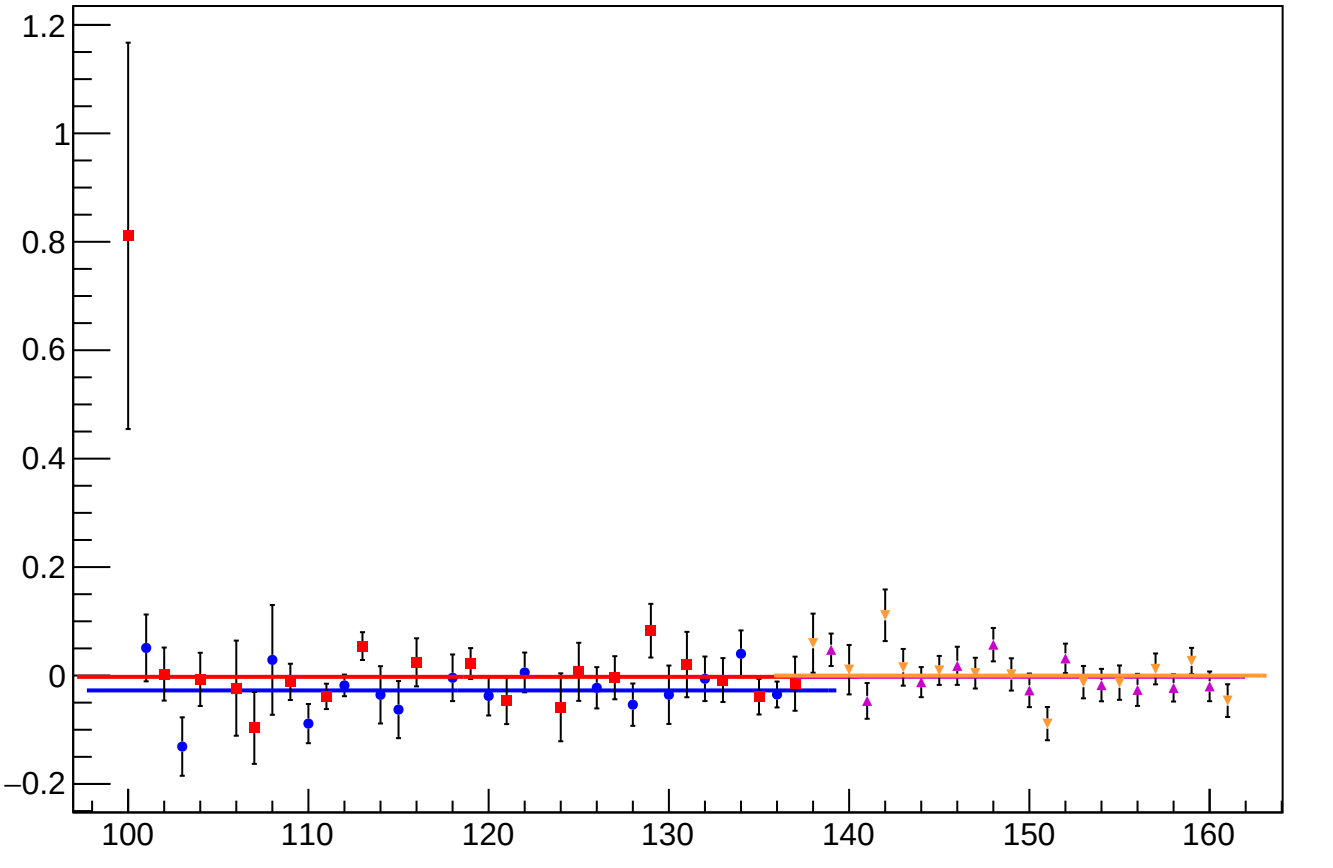
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.687+/-0.006 χ^2/NDF:113965.9/10

+ sign 25.267+/-0.005 χ^2/NDF: 2308853.8/28

All: 25.267+/-0.003 χ^2/NDF: 3619480.8/58

- sign 25.267+/-0.005 χ^2/NDF: 1310627.1/29



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.009 χ^2/NDF:19.6/12

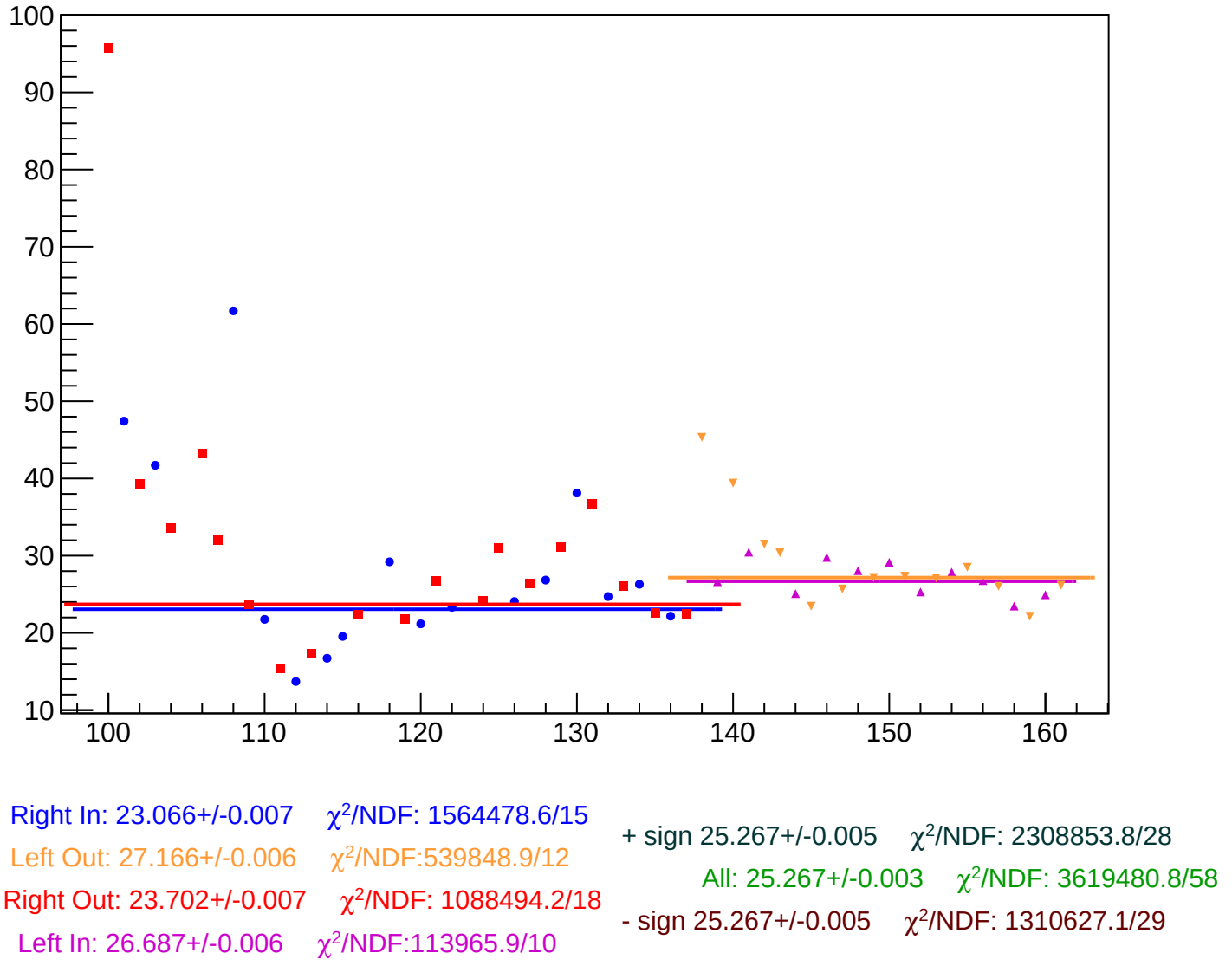
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

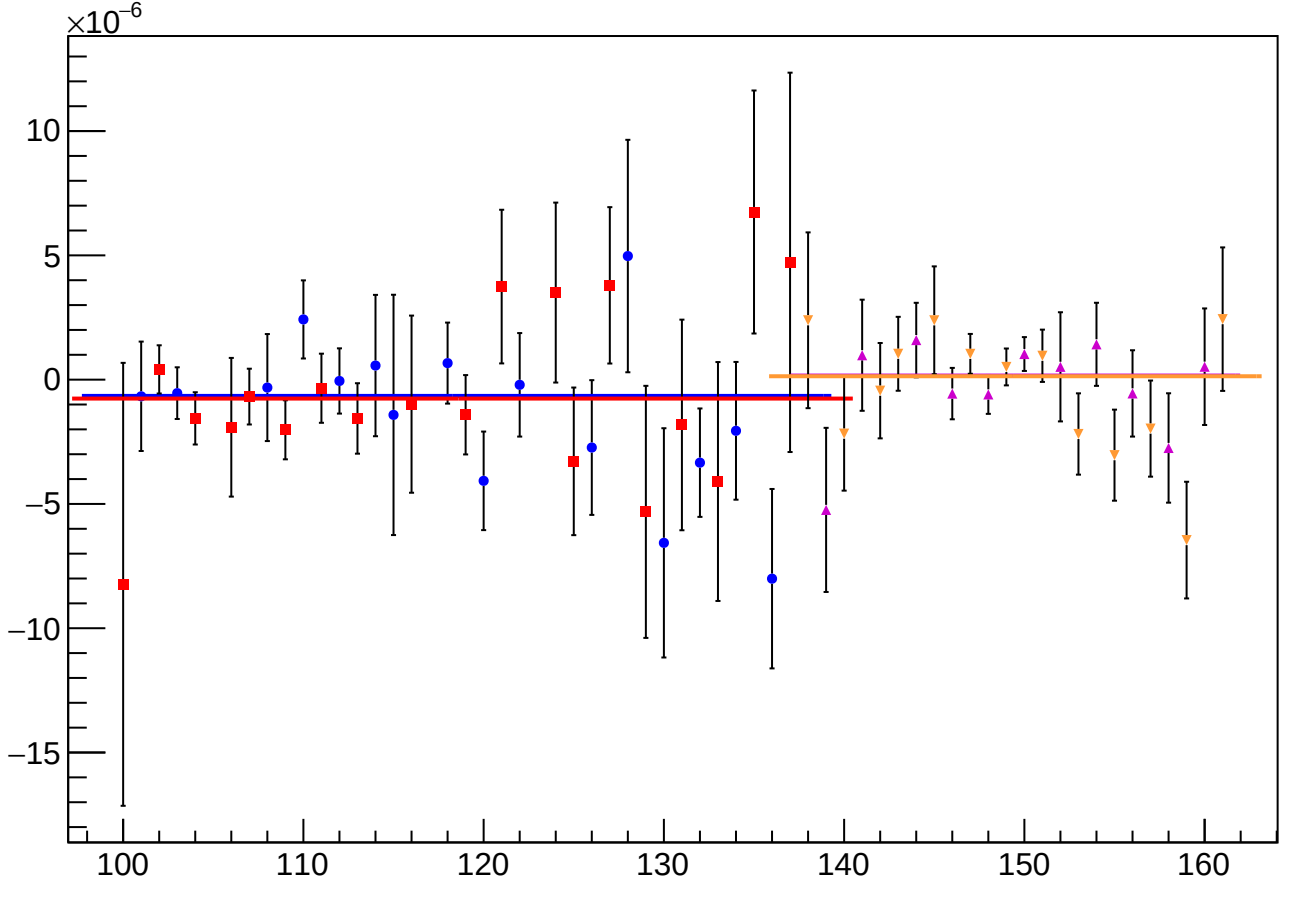
Left In: -0.002+/-0.009 χ^2/NDF:13.0/10

+ sign -0.013+/-0.006 χ^2/NDF: 37.8/28

All: -0.008+/-0.005 χ^2/NDF: 74.1/58

- sign -0.002+/-0.006 χ^2/NDF: 35.1/29


asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 23.066+/-0.007 χ²/NDF: 1564478.6/15
Left Out: 27.166+/-0.006 χ²/NDF:539848.9/12
Right Out: 23.702+/-0.007 χ²/NDF: 1088494.2/18
Left In: 26.687+/-0.006 χ²/NDF:113965.9/10
+ sign 25.267+/-0.005 χ²/NDF: 2308853.8/28
All: 25.267+/-0.003 χ²/NDF: 3619480.8/58
- sign 25.267+/-0.005 χ²/NDF: 1310627.1/29



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/12

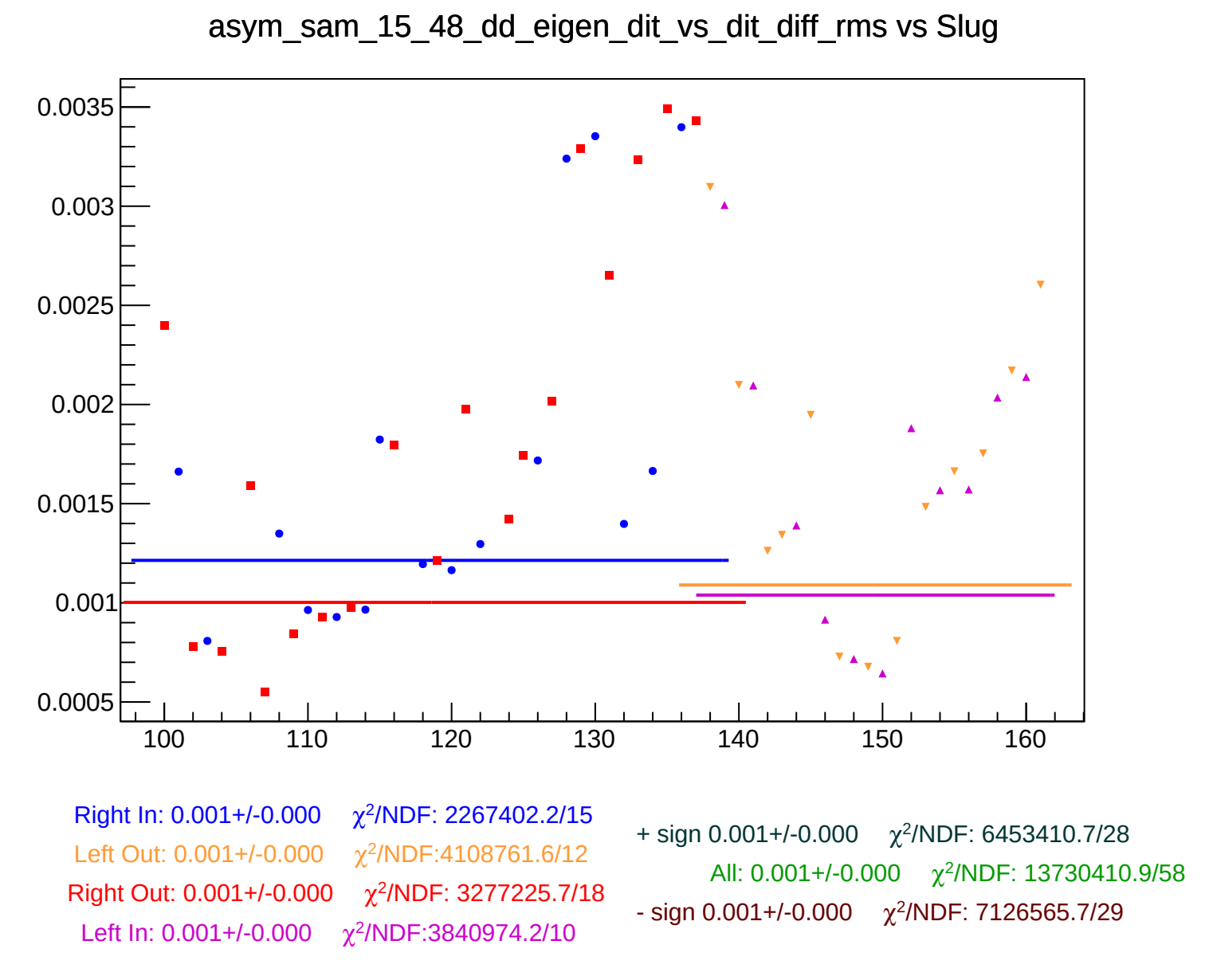
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/10

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/28

All: -0.000+/-0.000 χ^2/NDF: 66.2/58

- sign -0.000+/-0.000 χ^2/NDF: 27.1/29


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
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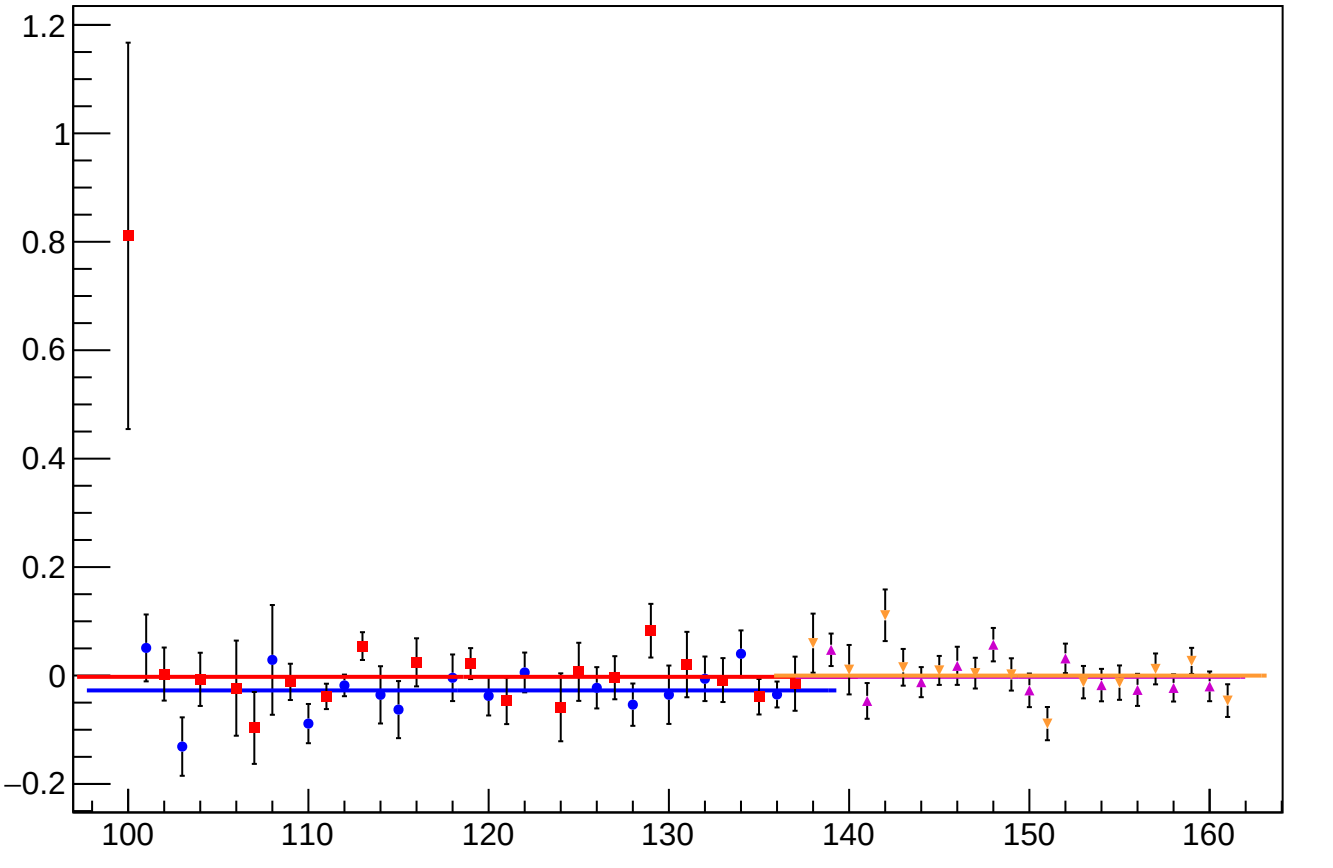
150
160
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:4108761.6/12
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:3840974.2/10
+ sign 0.001+/-0.000 χ²/NDF: 6453410.7/28
All: 0.001+/-0.000 χ²/NDF: 13730410.9/58
- sign 0.001+/-0.000 χ²/NDF: 7126565.7/29



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.009 χ^2/NDF:19.6/12

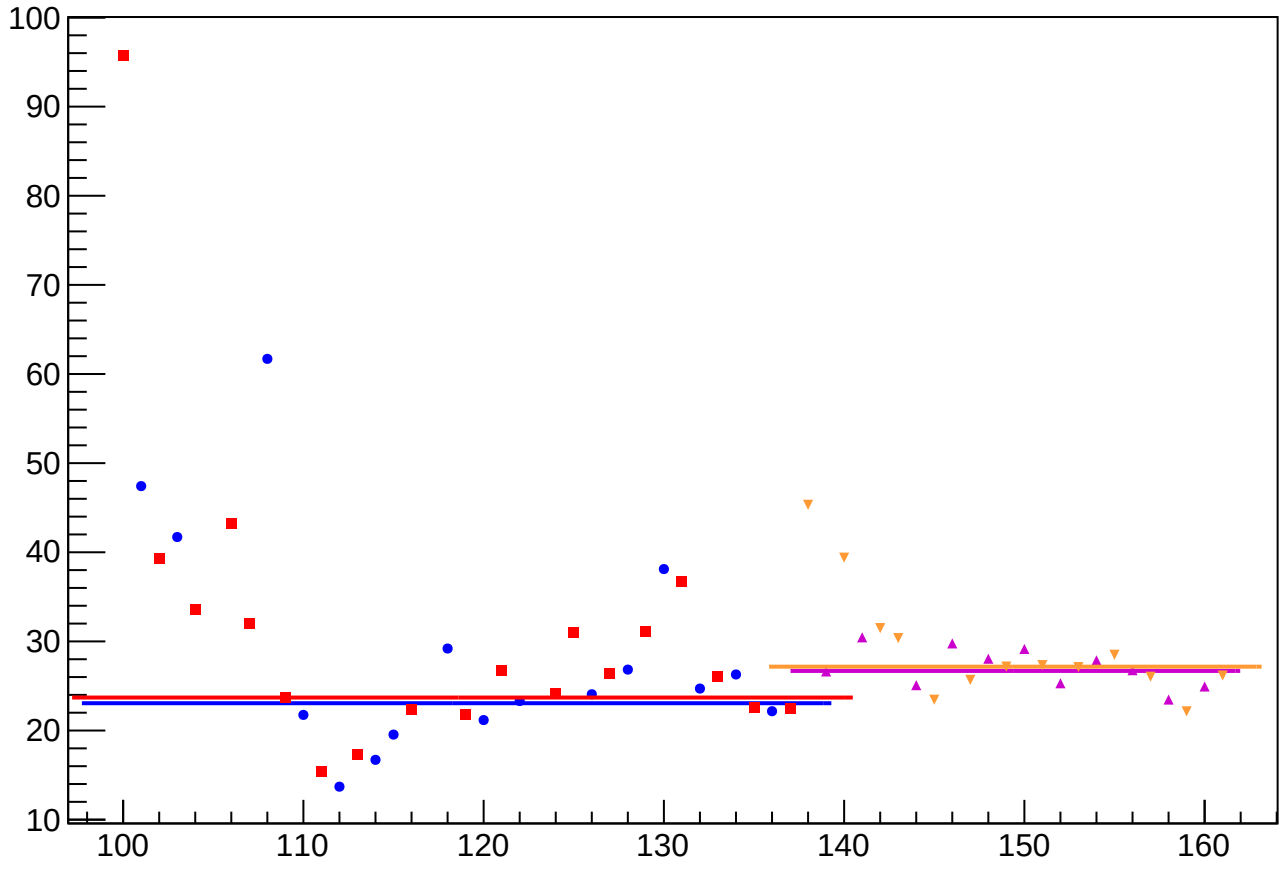
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.009 χ^2/NDF:13.0/10

+ sign -0.013+/-0.006 χ^2/NDF: 37.8/28

All: -0.008+/-0.005 χ^2/NDF: 74.1/58

- sign -0.002+/-0.006 χ^2/NDF: 35.1/29



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.166+/-0.006 χ^2/NDF:539805.2/12

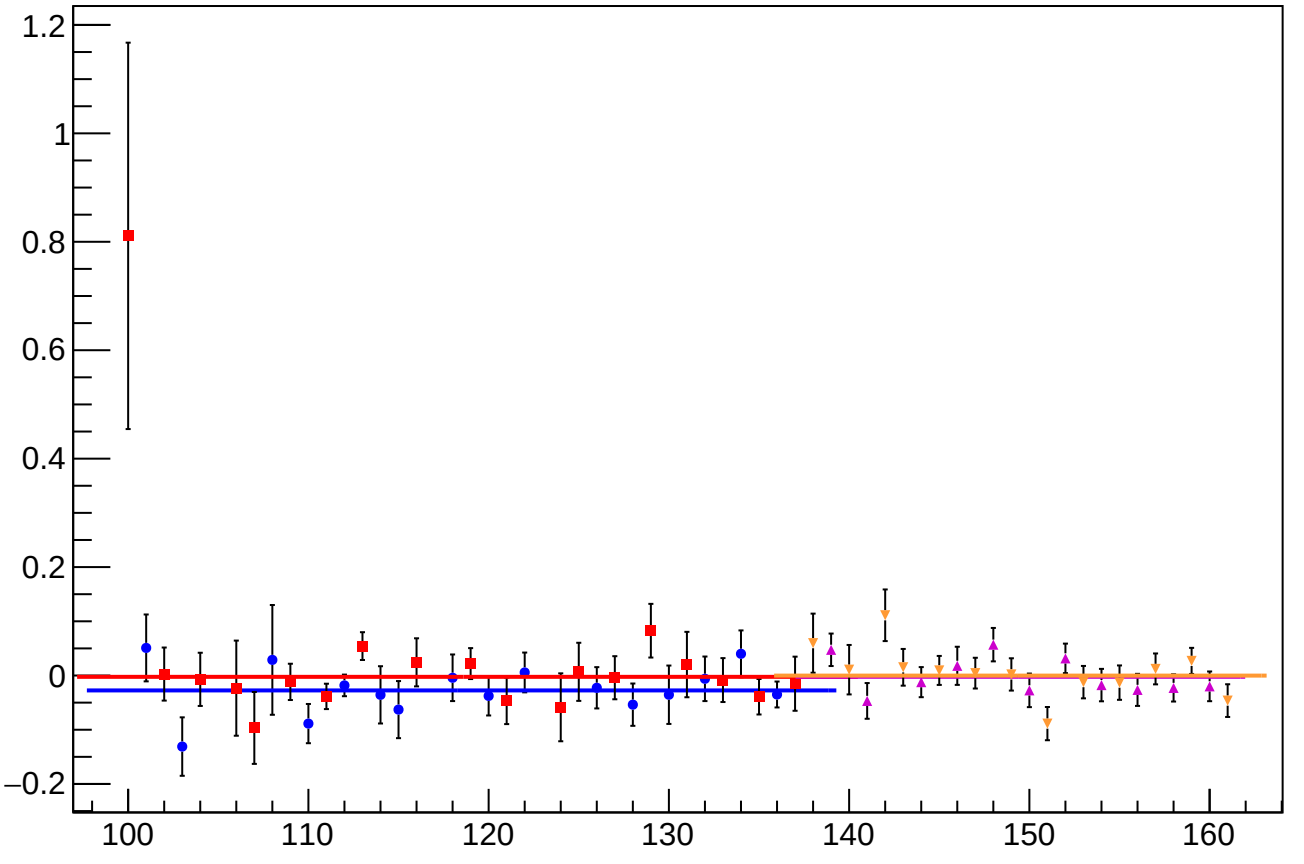
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.687+/-0.006 χ^2/NDF:113952.7/10

+ sign 25.267+/-0.005 χ^2/NDF: 2308879.9/28

All: 25.267+/-0.003 χ^2/NDF: 3619565.8/58

- sign 25.267+/-0.005 χ^2/NDF: 1310685.9/29



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.009 χ^2/NDF:19.6/12

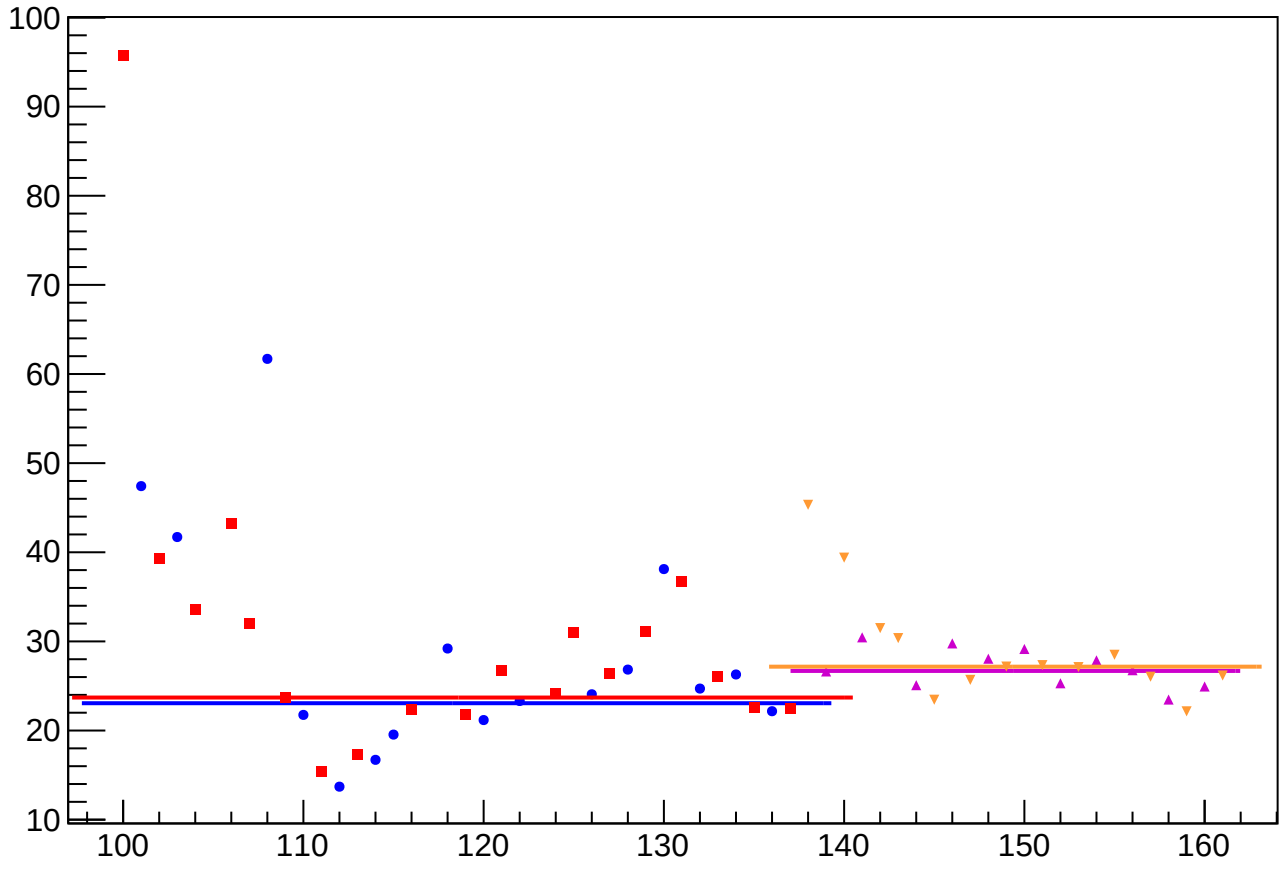
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.009 χ^2/NDF:13.0/10

+ sign -0.013+/-0.006 χ^2/NDF: 37.8/28

All: -0.008+/-0.005 χ^2/NDF: 74.1/58

- sign -0.002+/-0.006 χ^2/NDF: 35.1/29



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.166+/-0.006 χ^2/NDF:539805.2/12

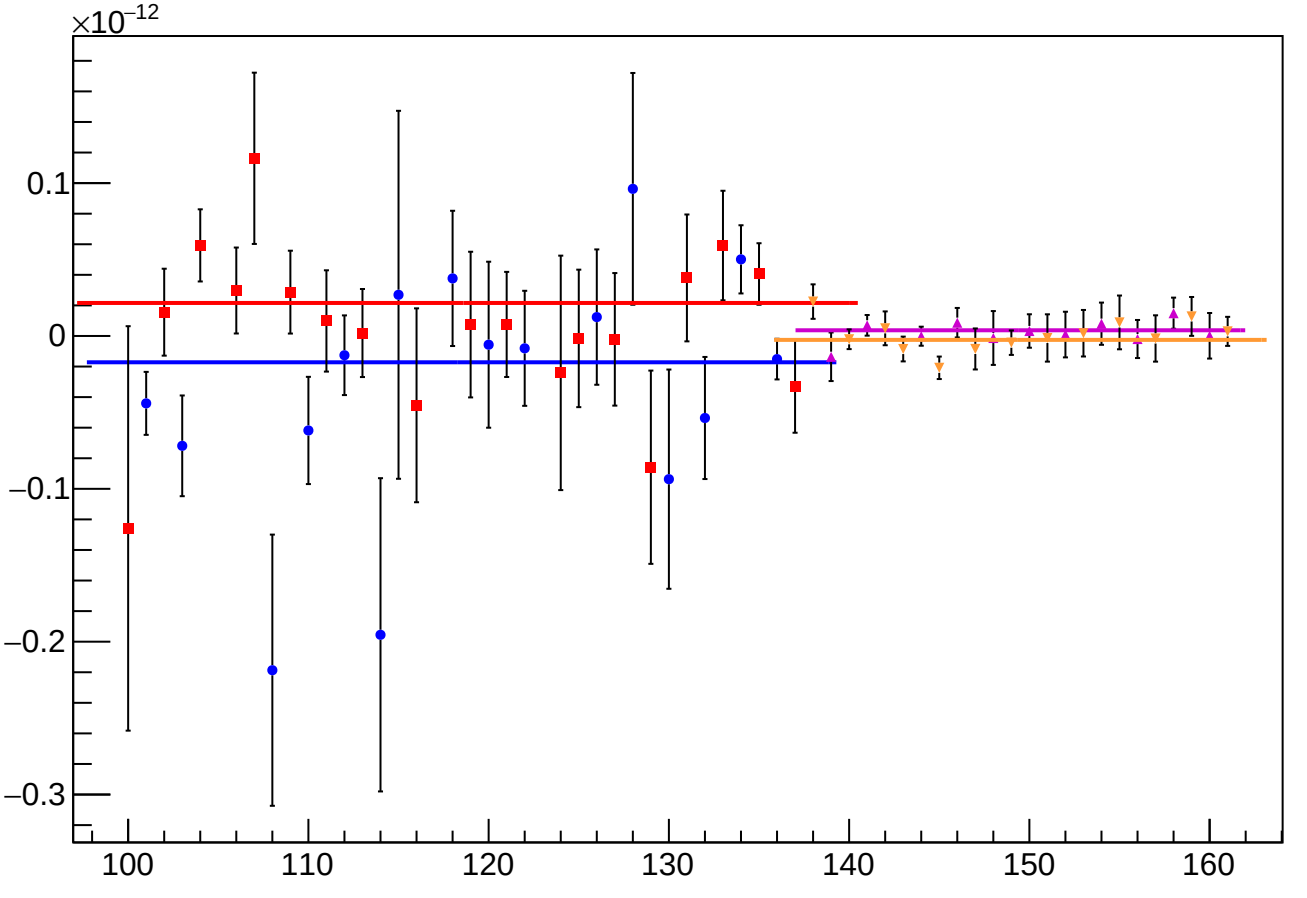
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.687+/-0.006 χ^2/NDF:113952.7/10

+ sign 25.267+/-0.005 χ^2/NDF: 2308879.9/28

All: 25.267+/-0.003 χ^2/NDF: 3619565.8/58

- sign 25.267+/-0.005 χ^2/NDF: 1310685.9/29



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.7/12

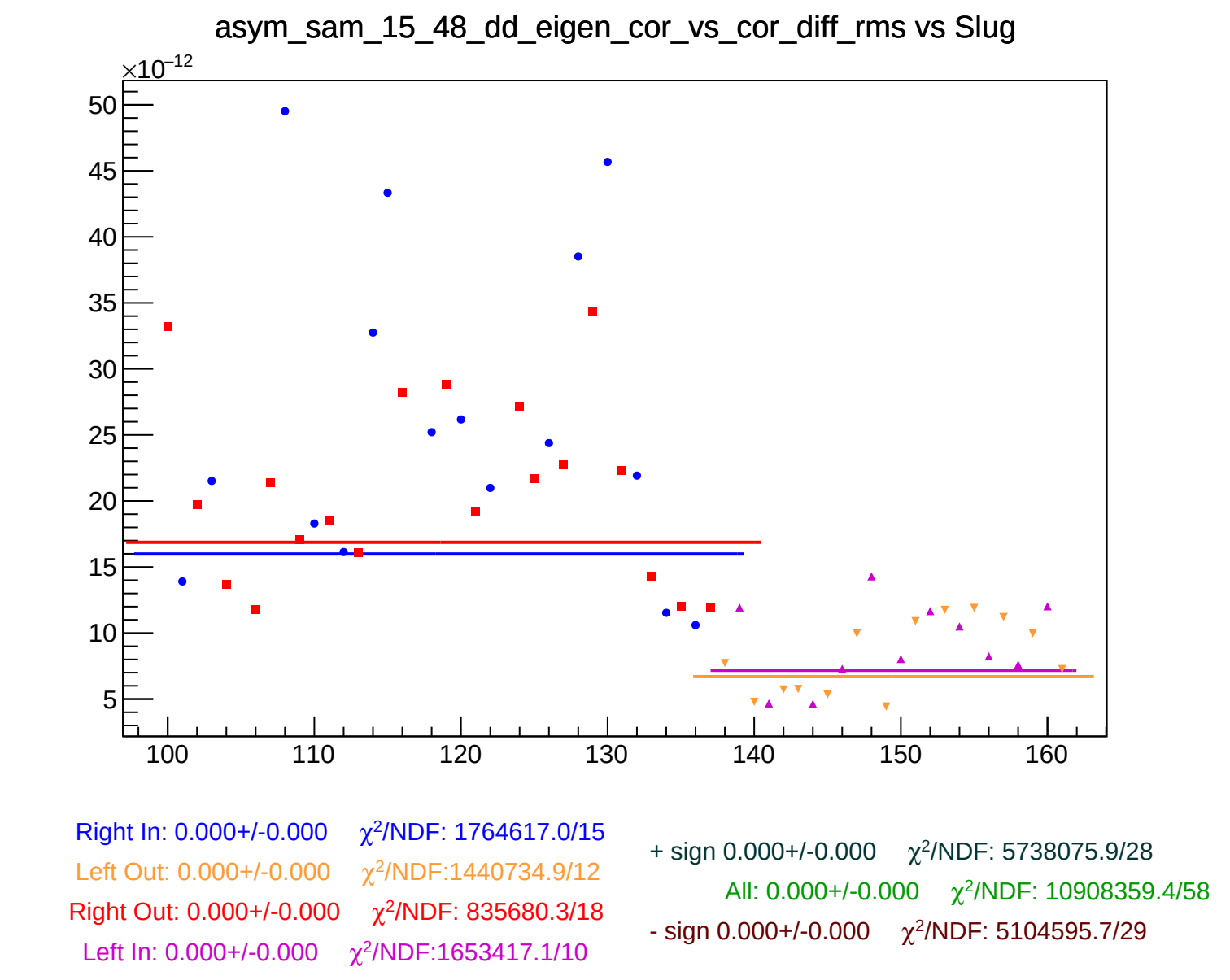
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 47.7/28

All: 0.000+/-0.000 χ^2/NDF: 80.9/58

- sign 0.000+/-0.000 χ^2/NDF: 26.2/29


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
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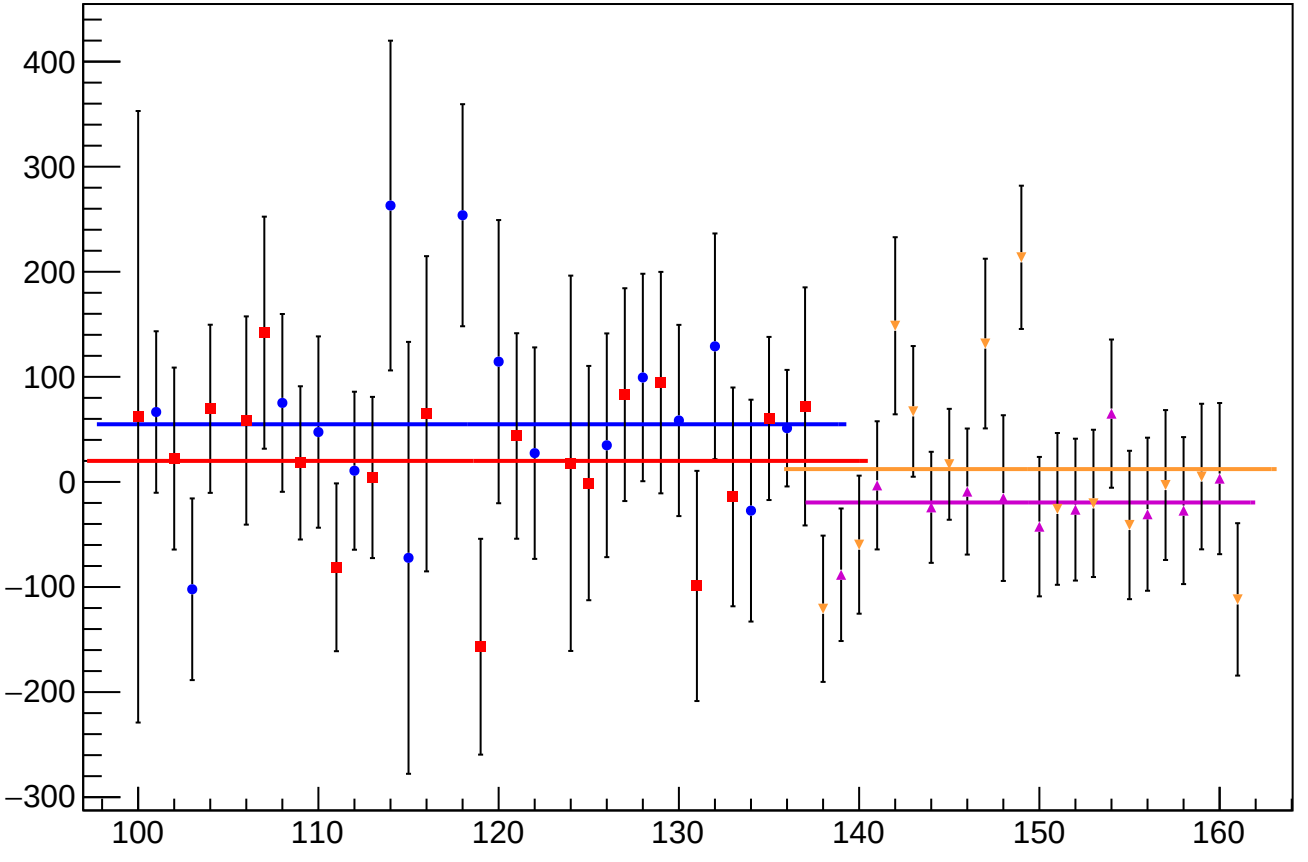
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1440734.9/12
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:1653417.1/10
+ sign 0.000+/-0.000 χ²/NDF: 5738075.9/28
All: 0.000+/-0.000 χ²/NDF: 10908359.4/58
- sign 0.000+/-0.000 χ²/NDF: 5104595.7/29

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 12.219+/-19.048 χ^2/NDF:23.2/12

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

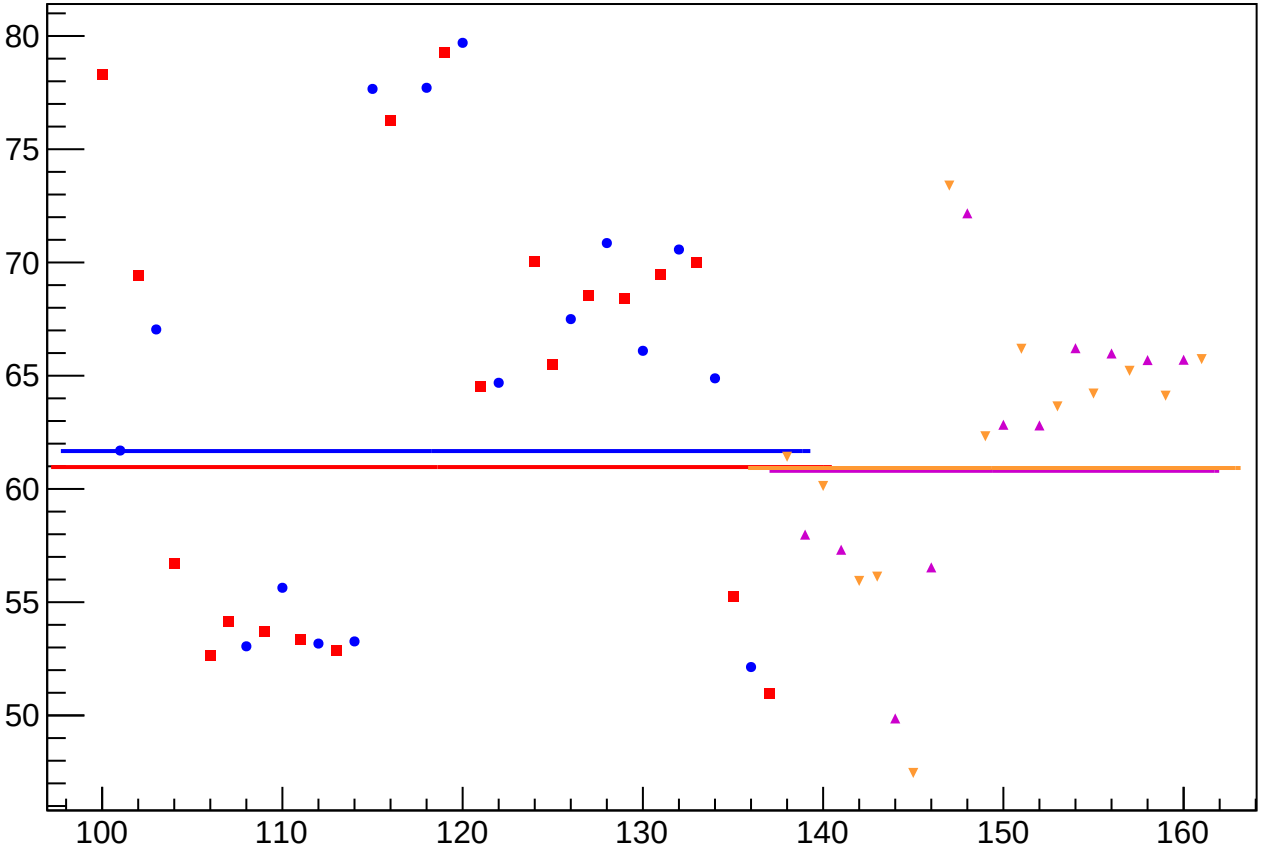
Left In: -19.555+/-19.799 χ^2/NDF:3.0/10

+ sign 29.417+/-14.716 χ^2/NDF: 36.3/28

All: 13.716+/-10.465 χ^2/NDF: 52.5/58

- sign -2.346+/-14.884 χ^2/NDF: 14.0/29

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 60.925+/-0.013 χ^2/NDF:236268.8/12

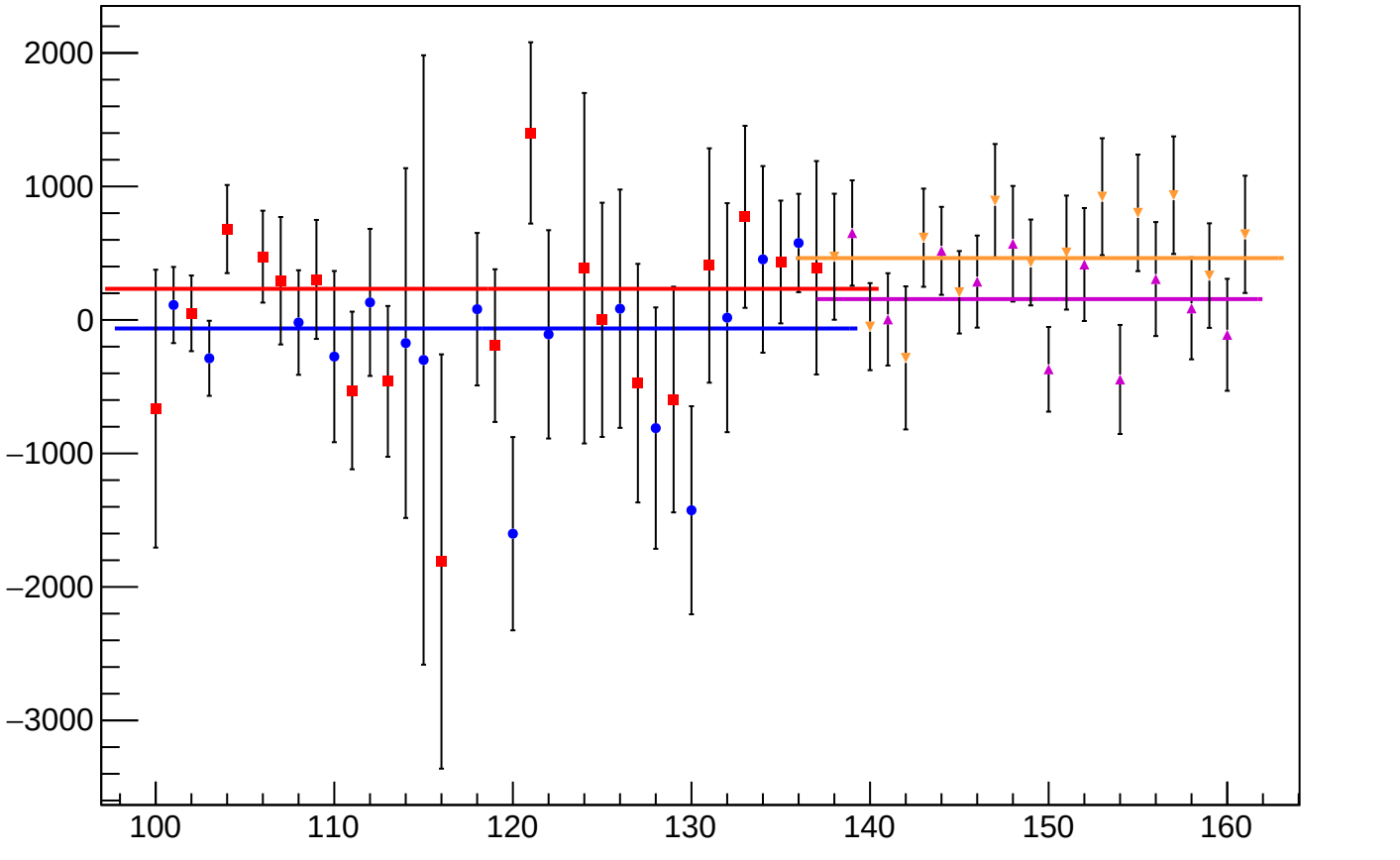
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 60.801+/-0.014 χ^2/NDF:192452.2/10

+ sign 61.227+/-0.010 χ^2/NDF: 504619.7/28

All: 61.052+/-0.007 χ^2/NDF: 981887.9/58

- sign 60.873+/-0.011 χ^2/NDF: 476696.7/29



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 463.508+/-109.605 χ^2/NDF:9.4/12

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

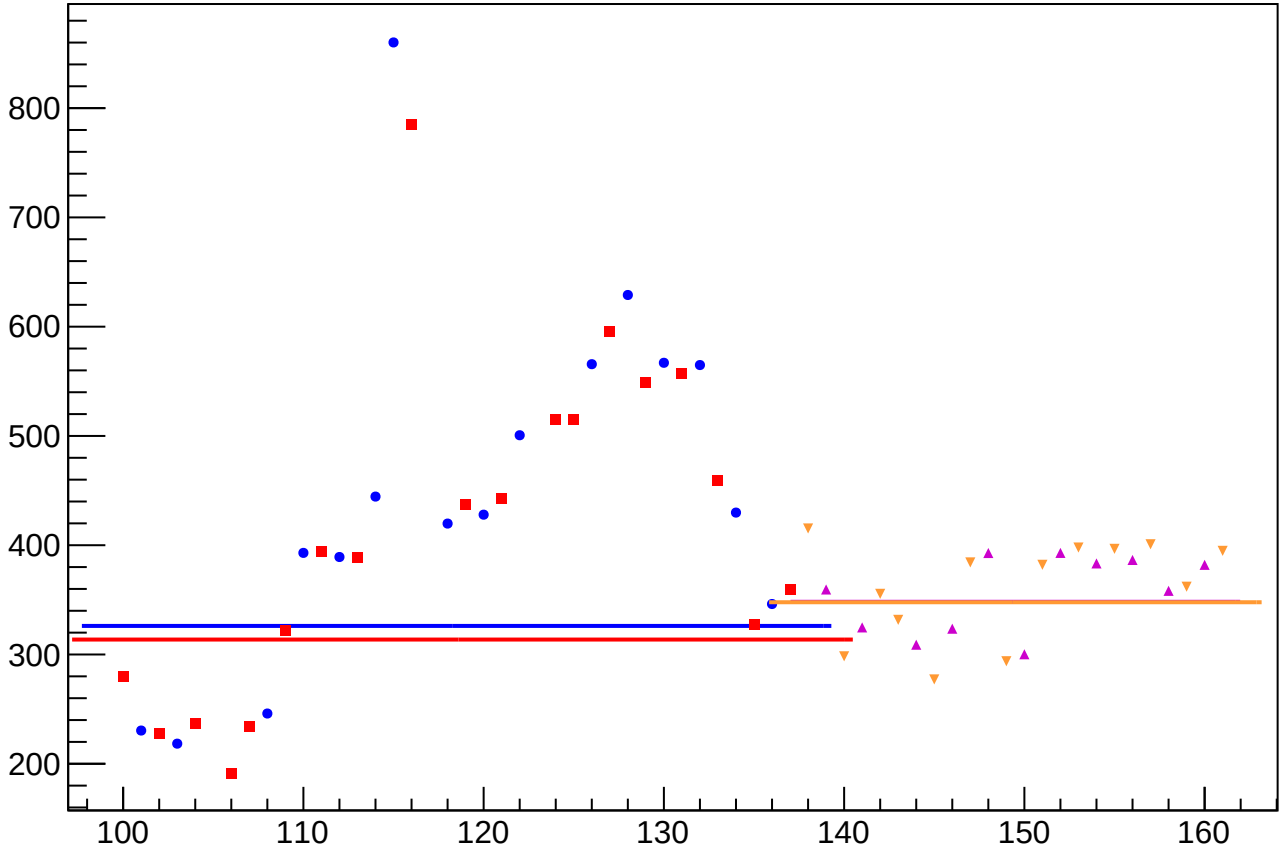
Left In: 156.160+/-113.756 χ^2/NDF:9.9/10

+ sign 243.757+/-83.709 χ^2/NDF: 32.3/28

All: 217.670+/-59.099 χ^2/NDF: 57.1/58

- sign 191.744+/-83.449 χ^2/NDF: 24.6/29

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 347.812+/-0.078 χ^2/NDF:385492.4/12

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

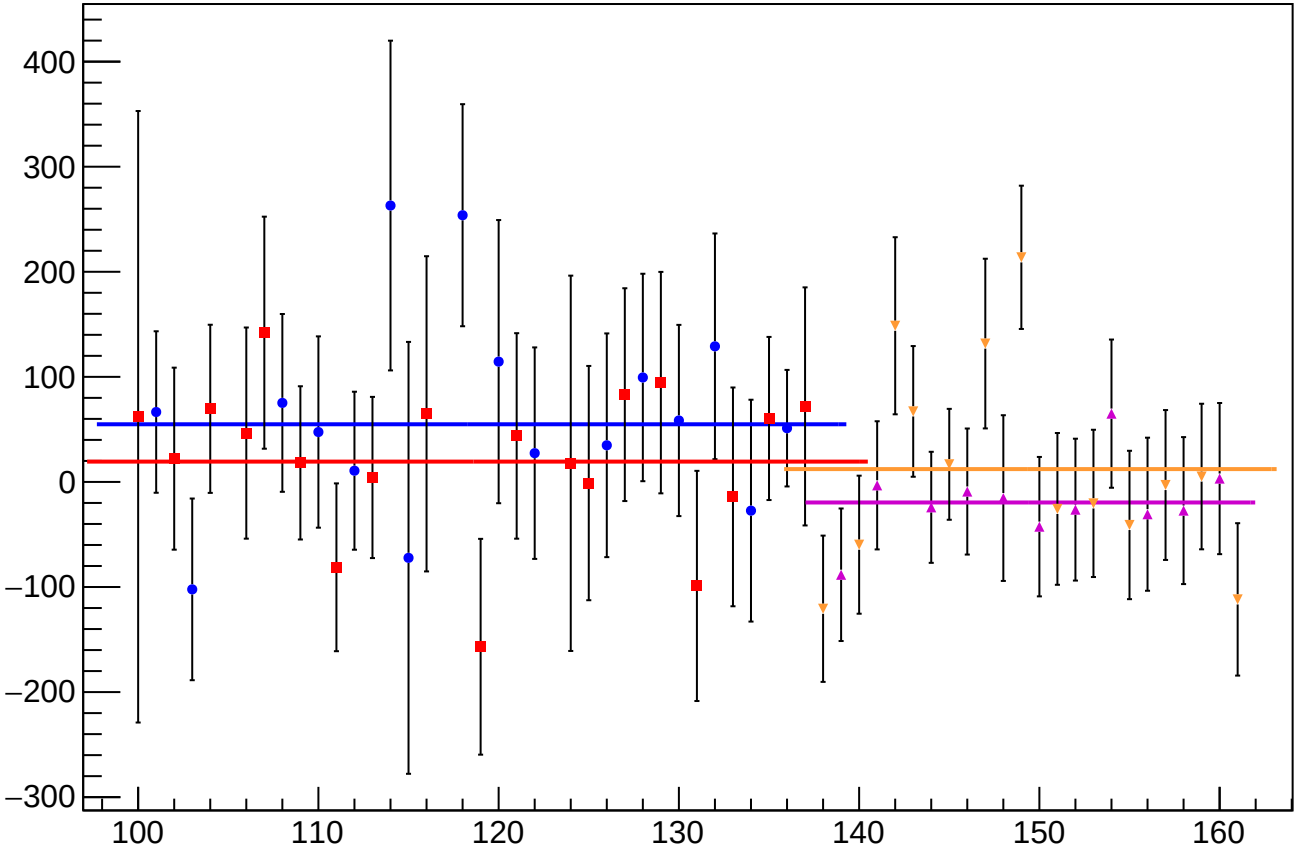
Left In: 348.230+/-0.080 χ^2/NDF:184112.4/10

+ sign 338.784+/-0.059 χ^2/NDF: 2152050.5/28

All: 335.517+/-0.042 χ^2/NDF: 4214835.4/58

- sign 332.269+/-0.059 χ^2/NDF: 2056708.3/29

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 12.220+/-19.048 χ^2/NDF:23.2/12

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

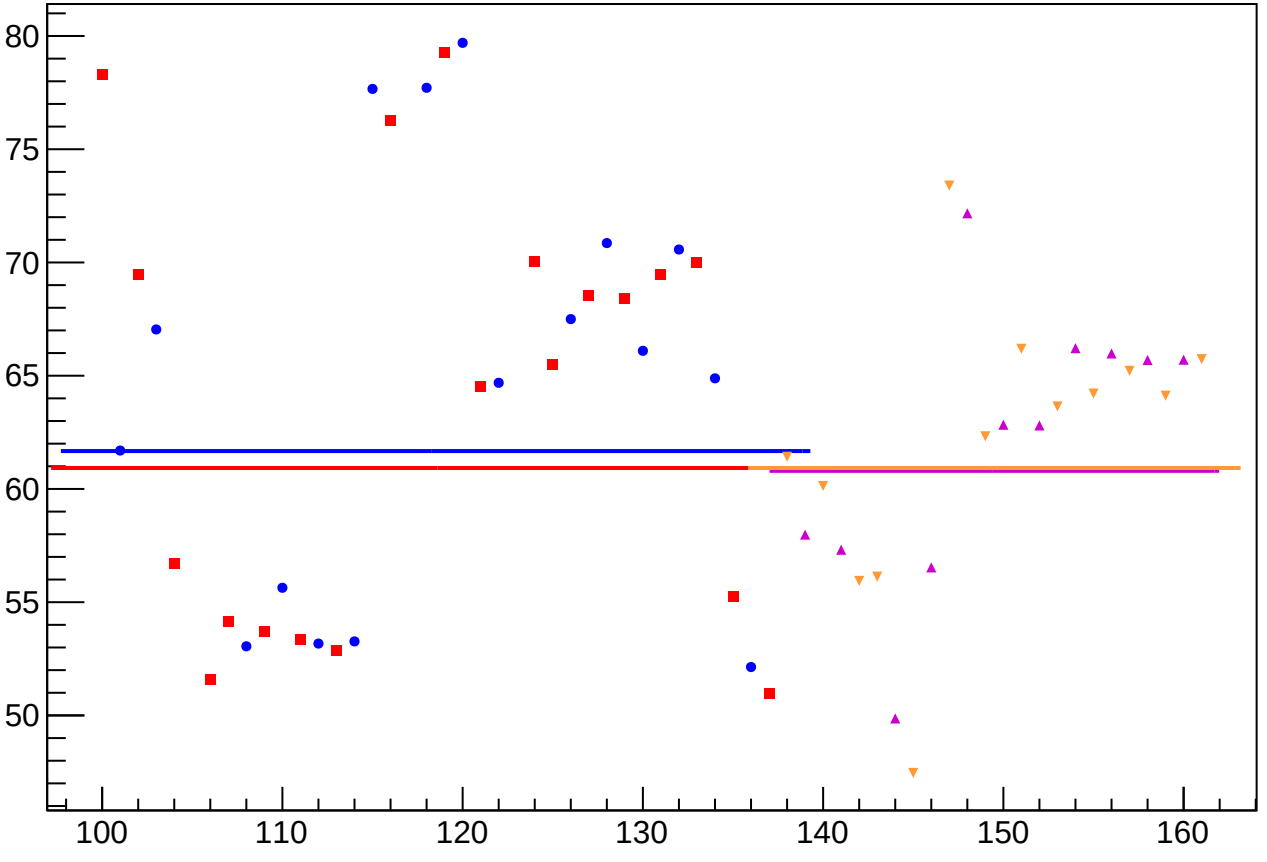
Left In: -19.553+/-19.799 χ^2/NDF:3.0/10

+ sign 29.415+/-14.716 χ^2/NDF: 36.3/28

All: 13.570+/-10.466 χ^2/NDF: 52.4/58

- sign -2.649+/-14.889 χ^2/NDF: 13.8/29

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.925+/-0.013 χ^2/NDF:236268.8/12

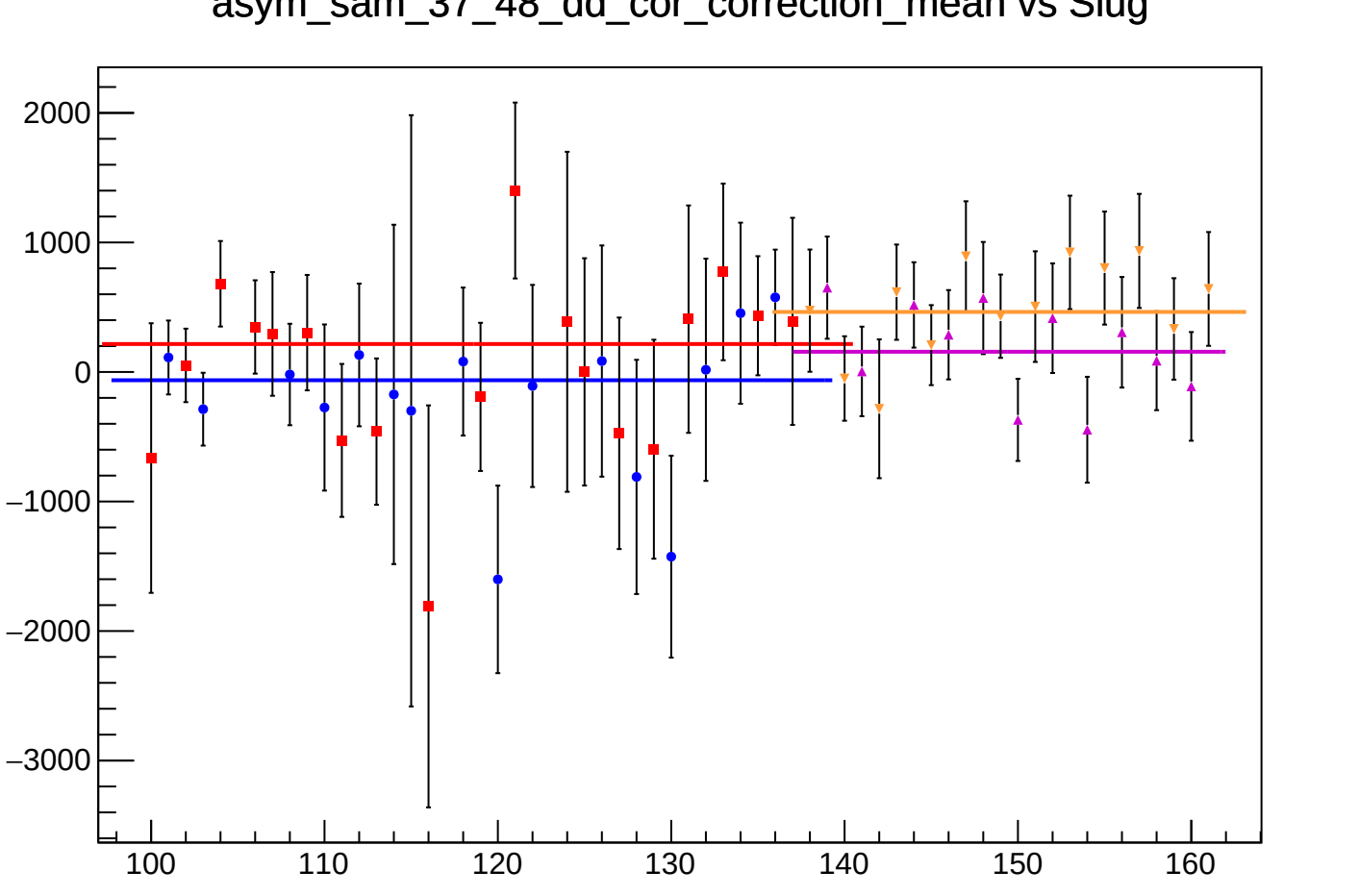
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 60.801+/-0.014 χ^2/NDF:192452.2/10

+ sign 61.227+/-0.010 χ^2/NDF: 504619.9/28

All: 61.043+/-0.007 χ^2/NDF: 985316.7/58

- sign 60.855+/-0.011 χ^2/NDF: 480066.6/29



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 463.509+/-109.605 χ^2/NDF:9.4/12

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

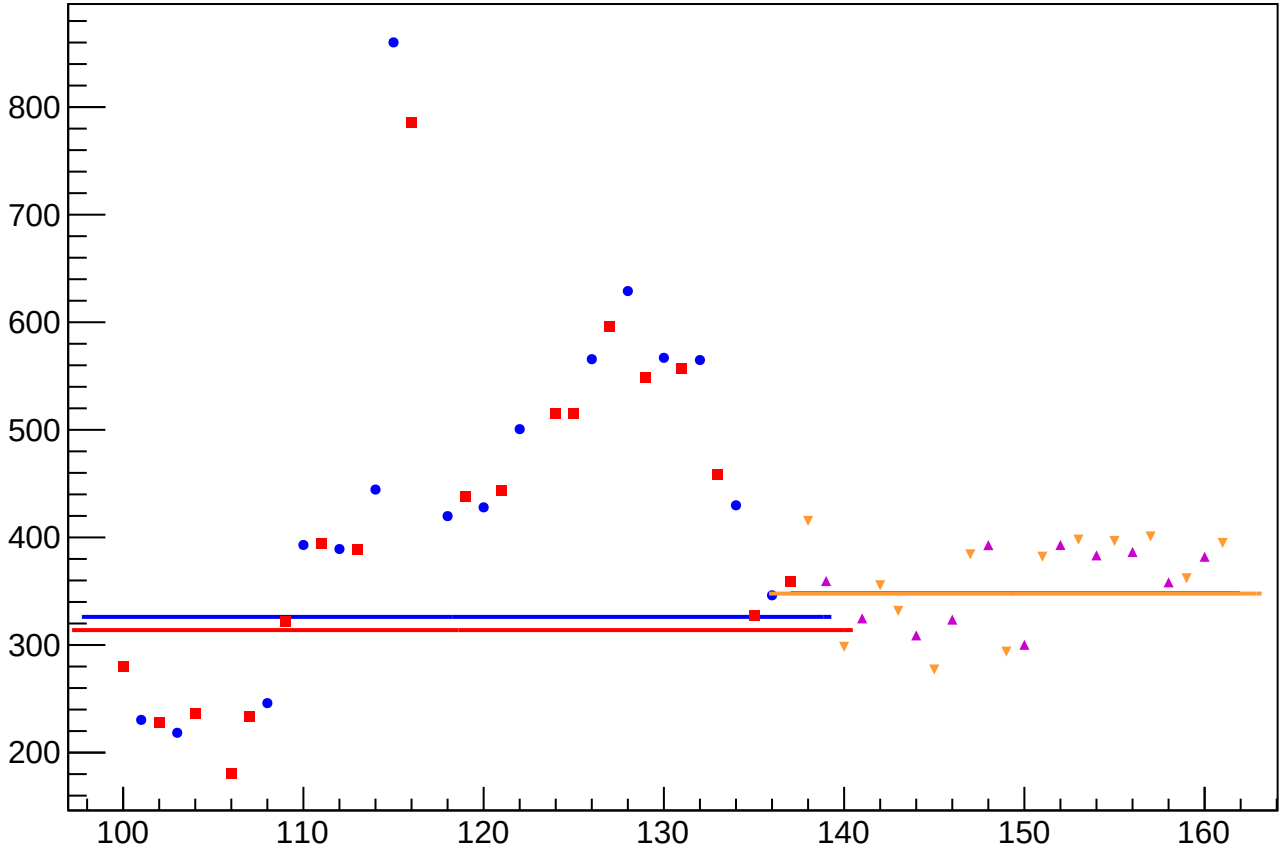
Left In: 156.160+/-113.756 χ^2/NDF:9.9/10

+ sign 243.766+/-83.709 χ^2/NDF: 32.3/28

All: 213.662+/-59.177 χ^2/NDF: 56.7/58

- sign 183.588+/-83.668 χ^2/NDF: 24.1/29

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 347.812+/-0.078 χ^2/NDF:385493.6/12

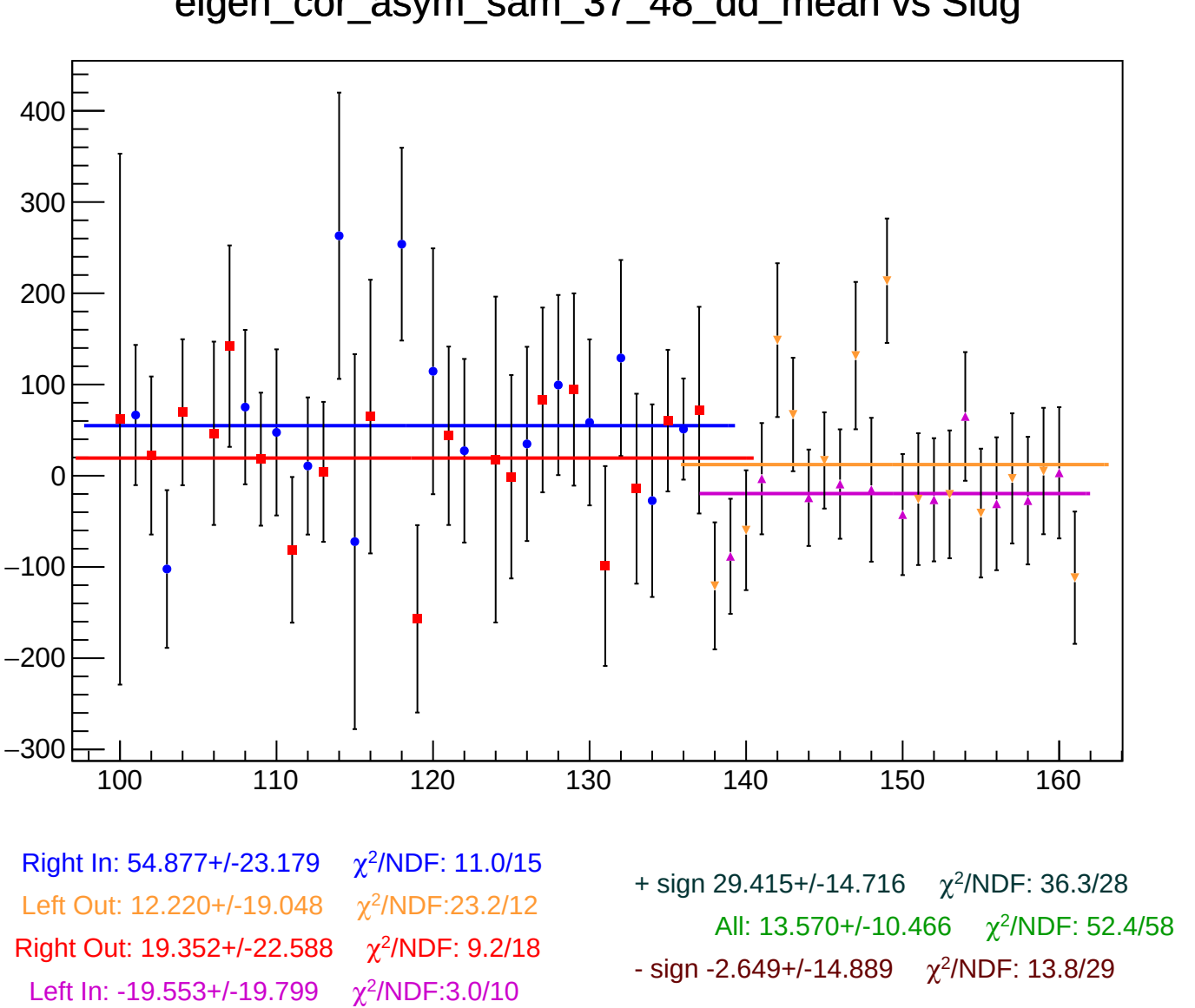
Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 348.230+/-0.080 χ^2/NDF:184109.7/10

+ sign 338.786+/-0.059 χ^2/NDF: 2151982.3/28

All: 335.618+/-0.042 χ^2/NDF: 4231400.6/58

- sign 332.453+/-0.059 χ^2/NDF: 2073693.3/29


eigen_cor_asym_sam_37_48_dd_mean vs Slug
400
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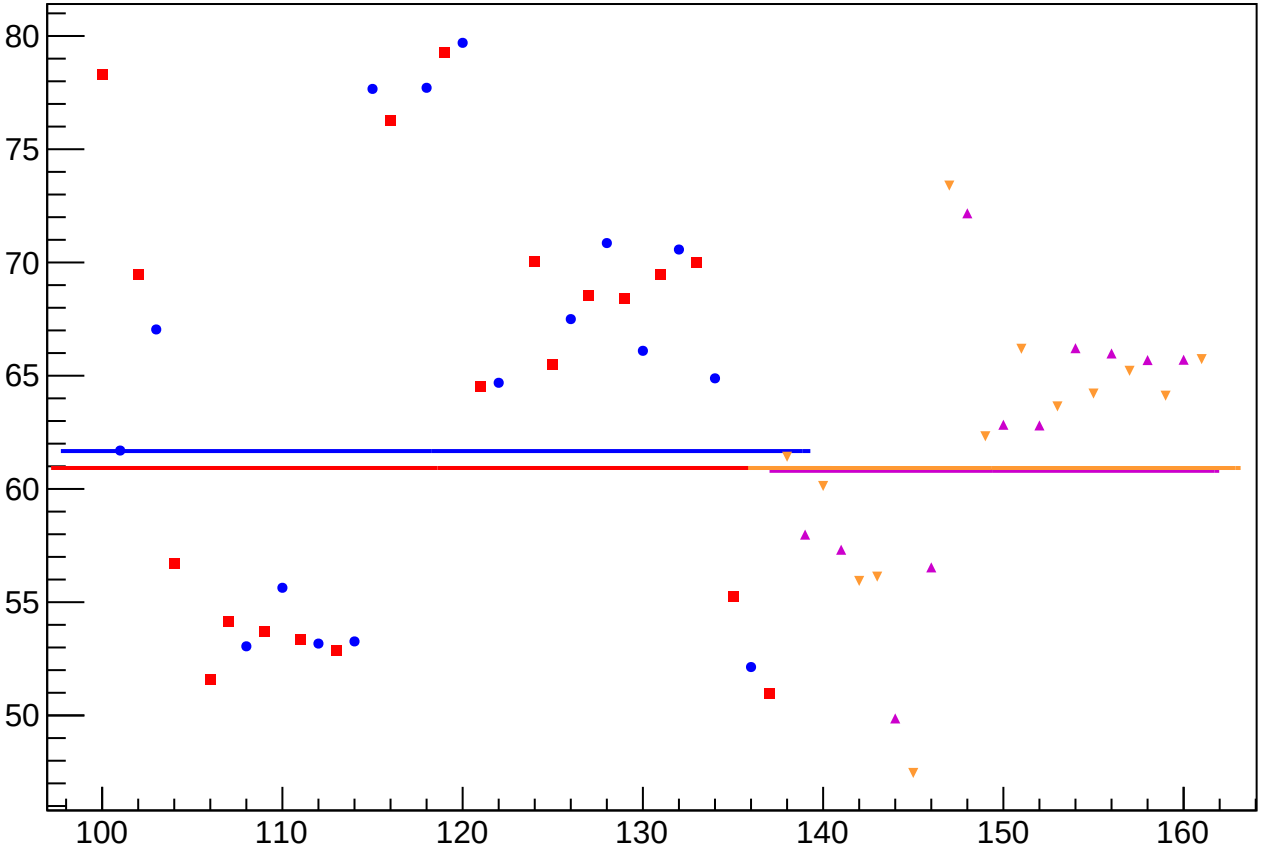
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 12.220+/-19.048 χ²/NDF:23.2/12
Right Out: 19.352+/-22.588 χ²/NDF: 9.2/18
Left In: -19.553+/-19.799 χ²/NDF:3.0/10
+ sign 29.415+/-14.716 χ²/NDF: 36.3/28
All: 13.570+/-10.466 χ²/NDF: 52.4/58
- sign -2.649+/-14.889 χ²/NDF: 13.8/29

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.925+/-0.013 χ^2/NDF:236268.8/12

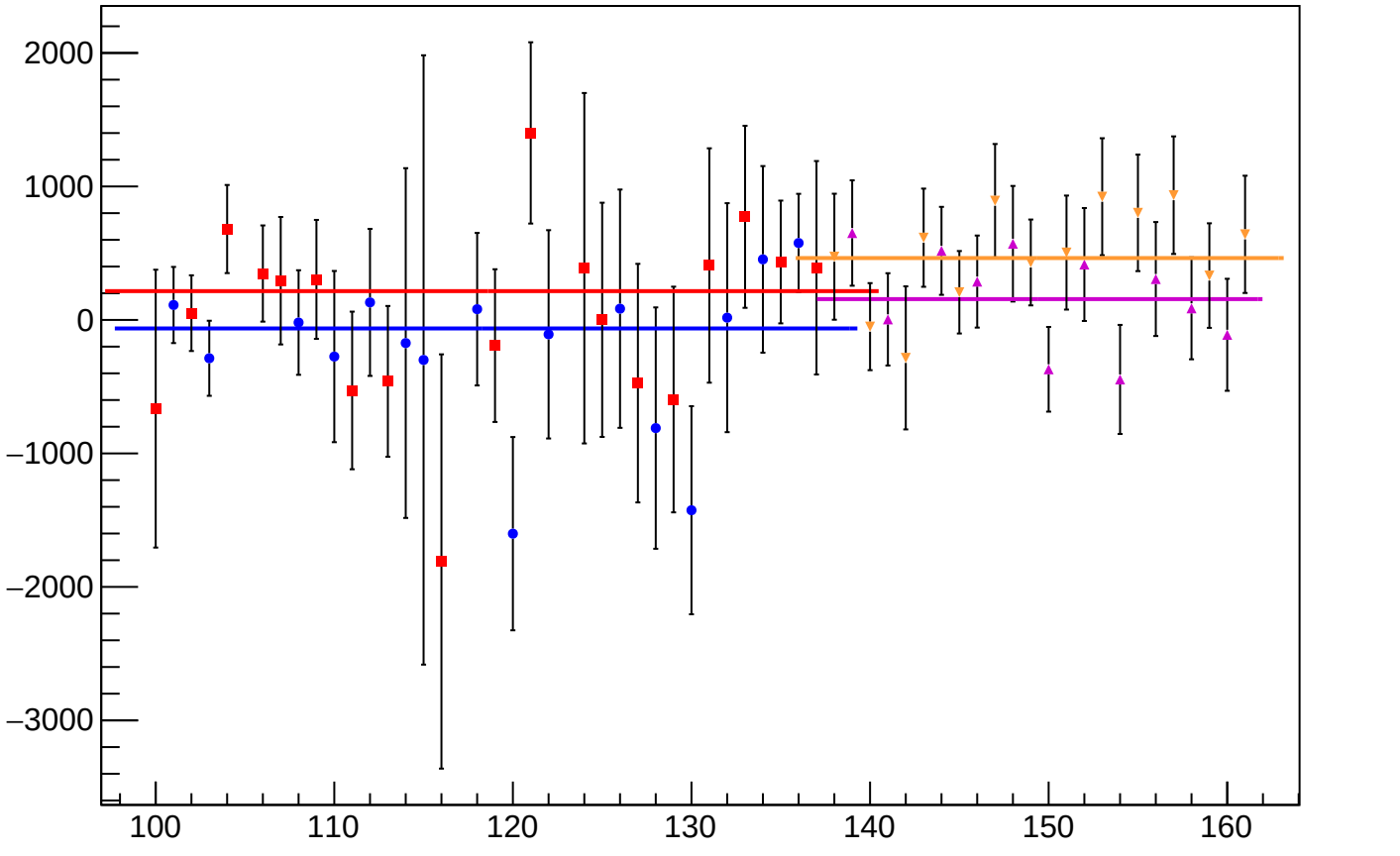
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 60.801+/-0.014 χ^2/NDF:192452.2/10

+ sign 61.227+/-0.010 χ^2/NDF: 504619.9/28

All: 61.043+/-0.007 χ^2/NDF: 985316.7/58

- sign 60.855+/-0.011 χ^2/NDF: 480066.6/29



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 463.509+/-109.605 χ^2/NDF:9.4/12

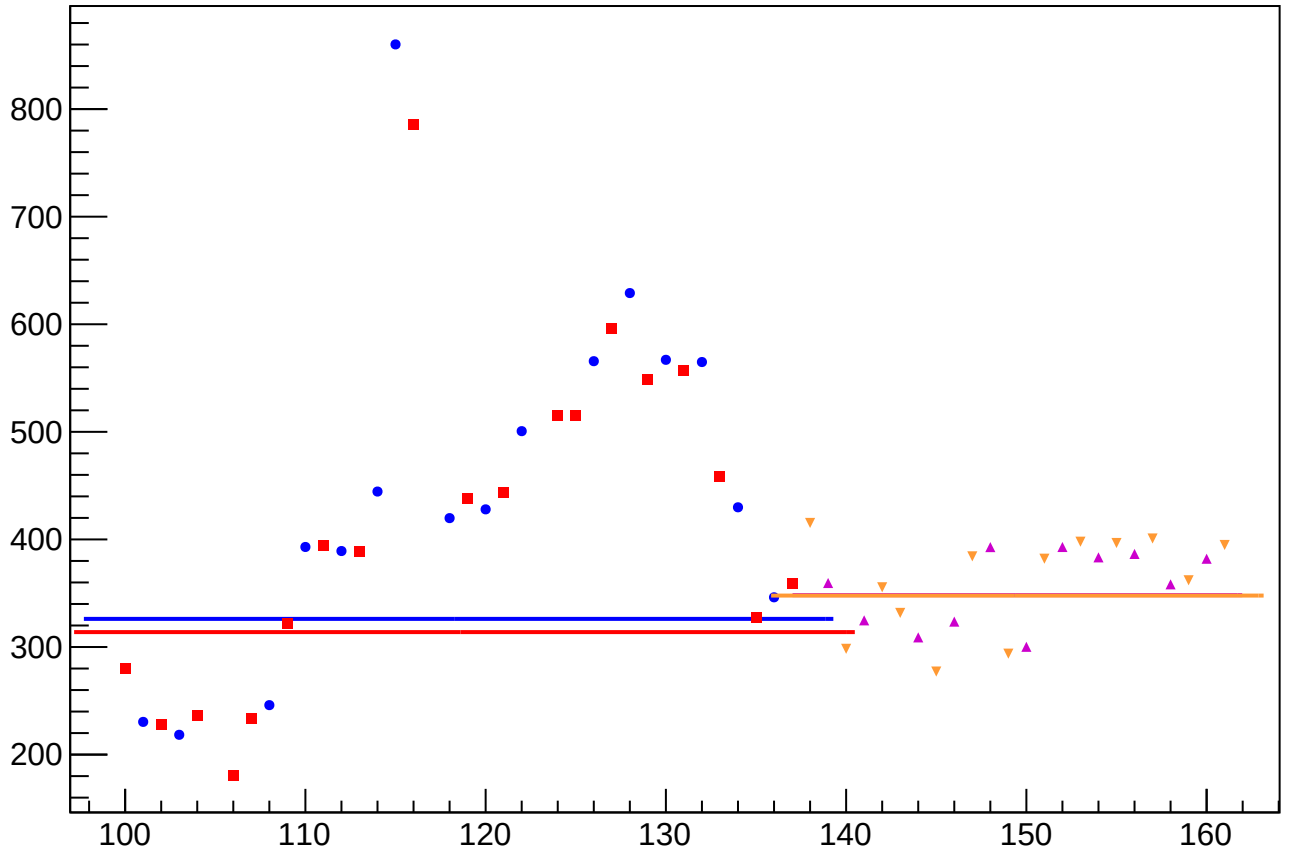
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 156.160+/-113.756 χ^2/NDF:9.9/10

+ sign 243.766+/-83.709 χ^2/NDF: 32.3/28

All: 213.662+/-59.177 χ^2/NDF: 56.7/58

- sign 183.588+/-83.668 χ^2/NDF: 24.1/29



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 347.812+/-0.078 χ^2/NDF:385493.6/12

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

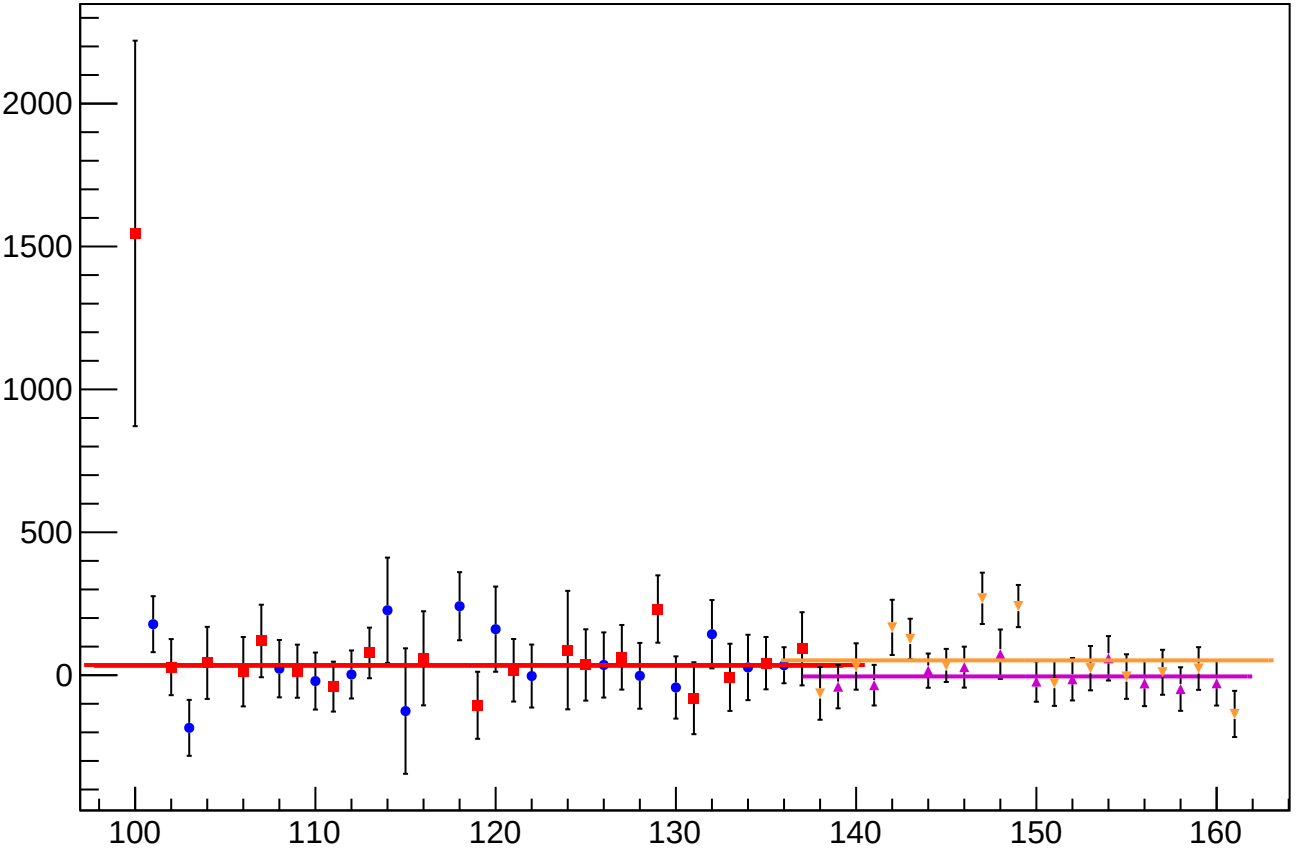
Left In: 348.230+/-0.080 χ^2/NDF:184109.7/10

+ sign 338.786+/-0.059 χ^2/NDF: 2151982.3/28

All: 335.618+/-0.042 χ^2/NDF: 4231400.6/58

- sign 332.453+/-0.059 χ^2/NDF: 2073693.3/29

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 51.879+/-21.495 χ^2/NDF:24.2/12

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

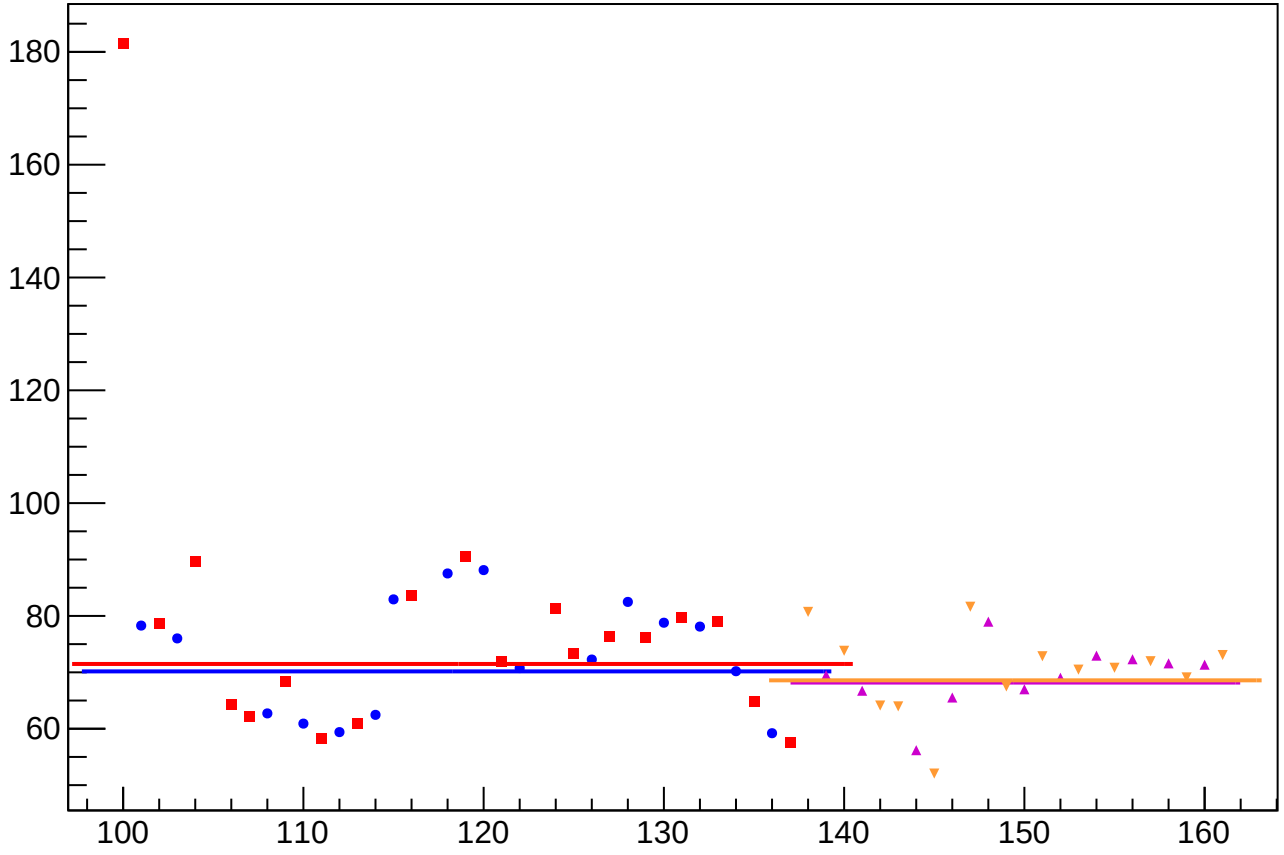
Left In: -4.314+/-22.254 χ^2/NDF:2.8/10

+ sign 44.516+/-16.672 χ^2/NDF: 39.1/28

All: 28.700+/-11.921 χ^2/NDF: 57.1/58

- sign 12.157+/-17.051 χ^2/NDF: 16.2/29

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 68.581+/-0.015 χ^2/NDF:279968.6/12

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

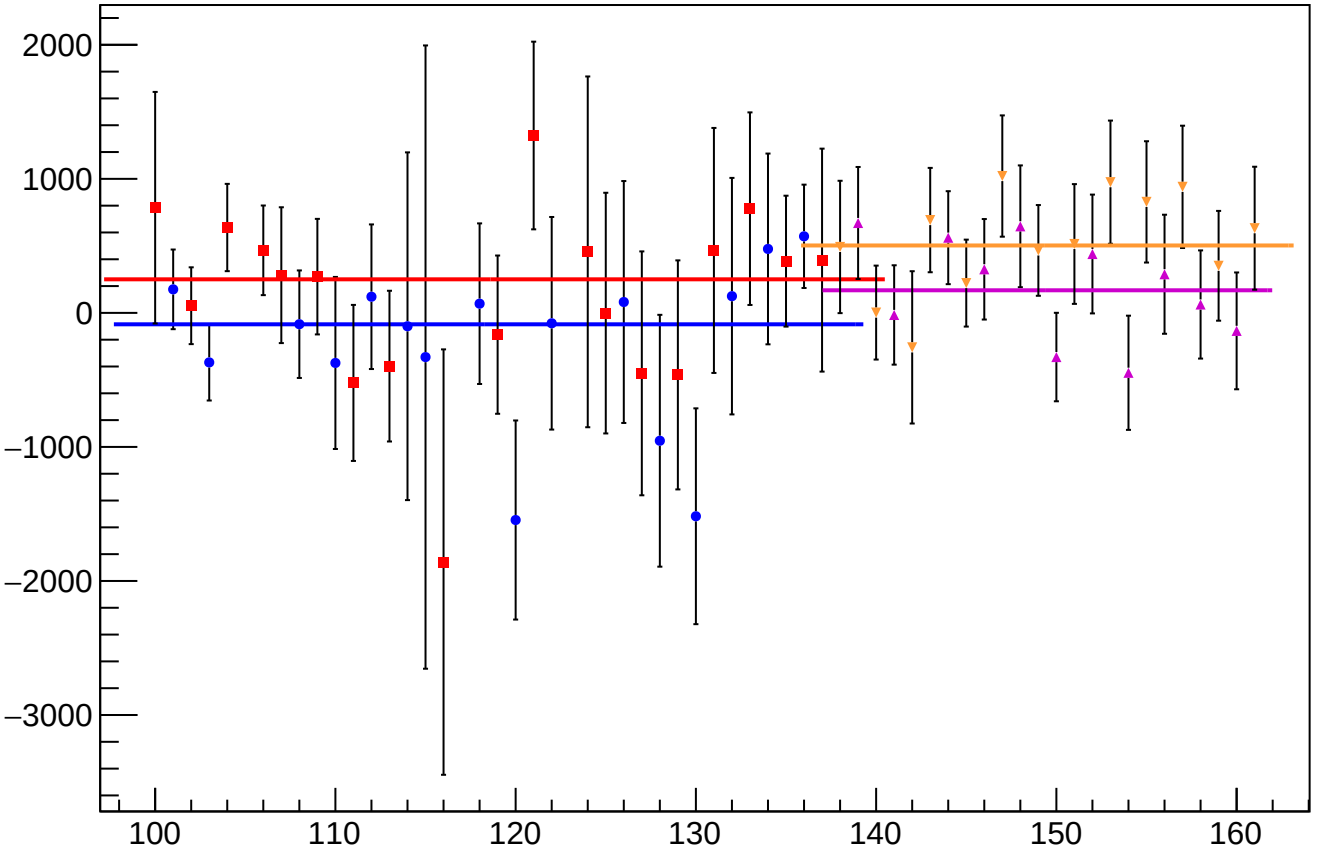
Left In: 68.185+/-0.016 χ^2/NDF:136641.8/10

+ sign 69.213+/-0.012 χ^2/NDF: 553556.6/28

All: 69.376+/-0.008 χ^2/NDF: 1034440.4/58

- sign 69.547+/-0.012 χ^2/NDF: 480492.0/29

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 502.989+/-115.306 χ^2/NDF:8.8/12

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

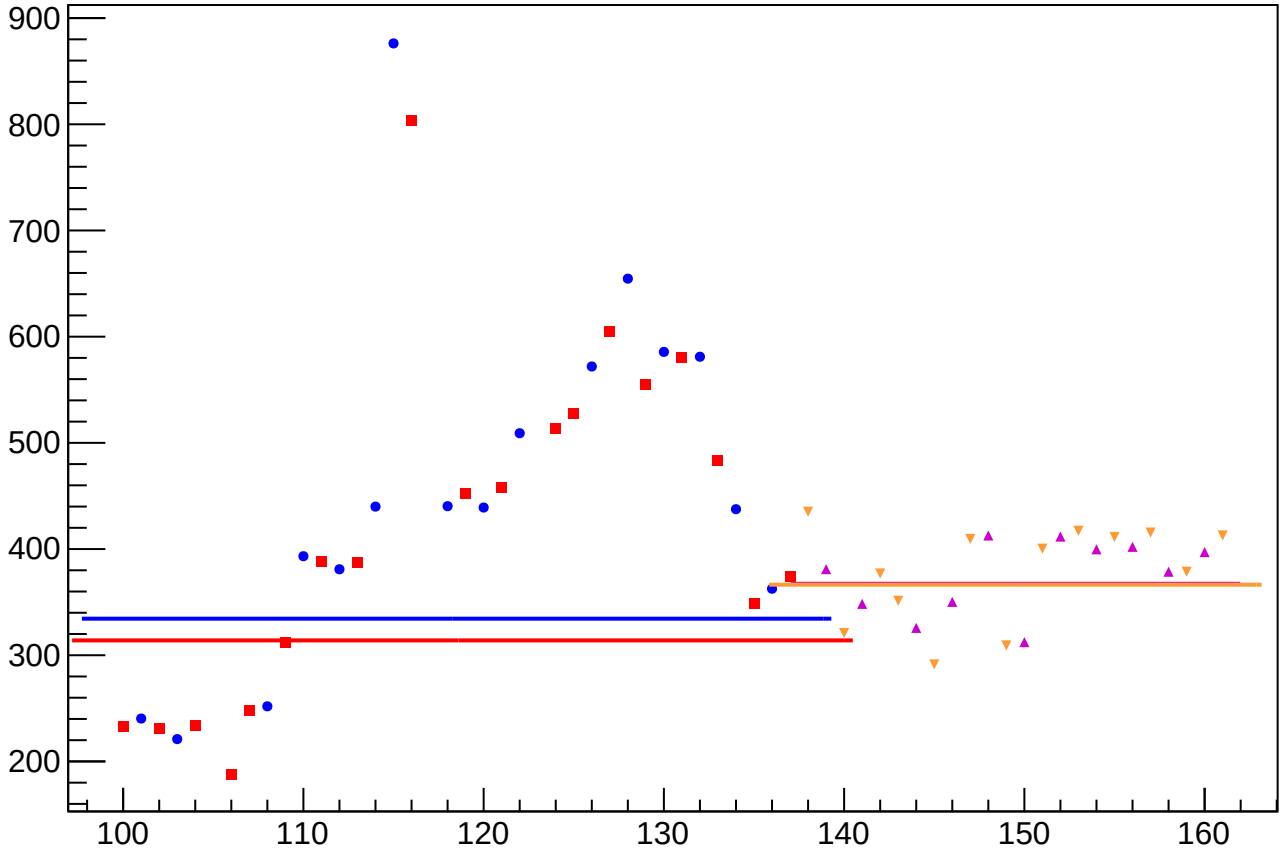
Left In: 168.613+/-119.924 χ^2/NDF:9.6/10

+ sign 250.335+/-87.088 χ^2/NDF: 33.7/28

All: 229.091+/-61.181 χ^2/NDF: 56.2/58

- sign 208.390+/-85.968 χ^2/NDF: 22.3/29

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 366.437+/-0.082 χ^2/NDF:359567.8/12

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

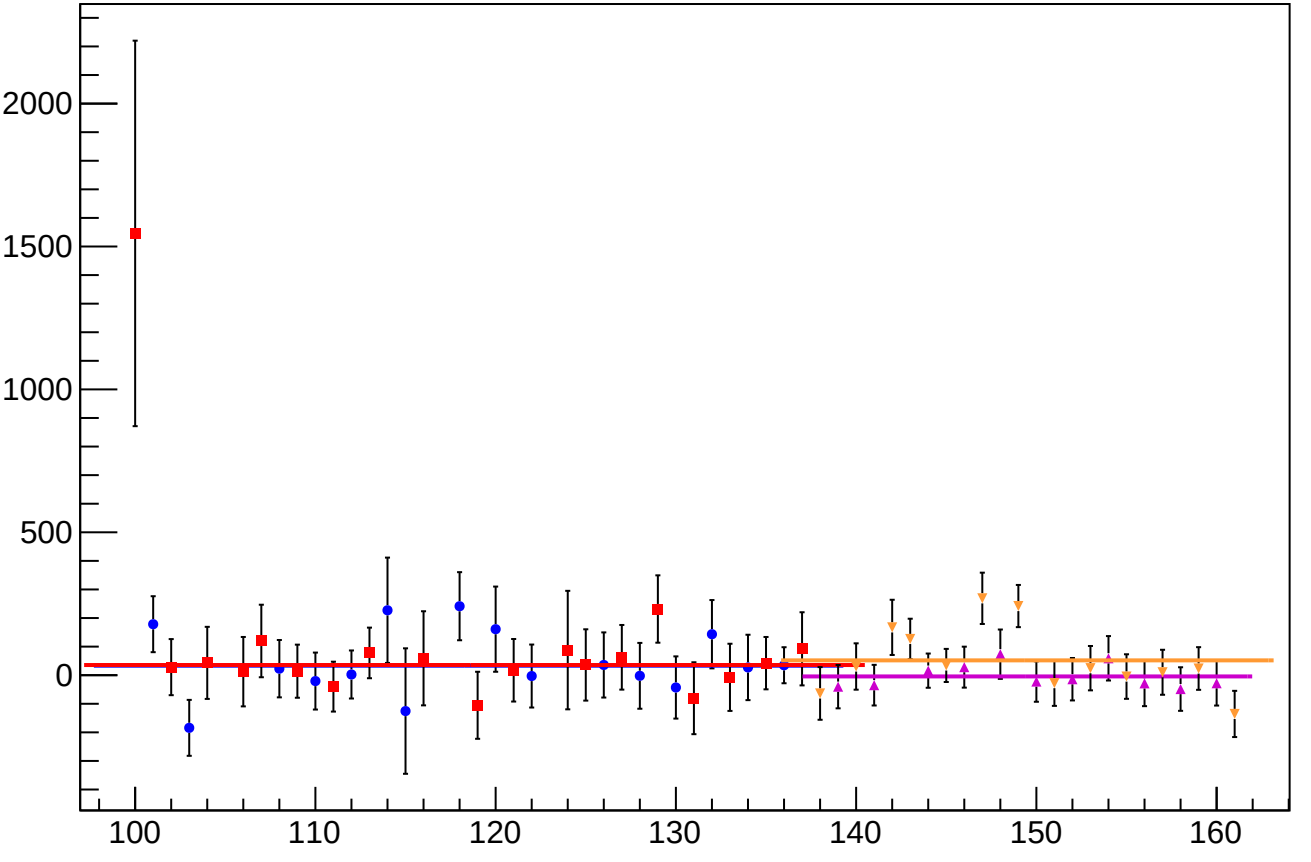
Left In: 367.296+/-0.085 χ^2/NDF:170595.9/10

+ sign 352.689+/-0.062 χ^2/NDF: 2156372.7/28

All: 346.958+/-0.043 χ^2/NDF: 4440902.0/58

- sign 341.374+/-0.061 χ^2/NDF: 2267430.5/29

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 51.878+/-21.495 χ^2/NDF:24.2/12

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

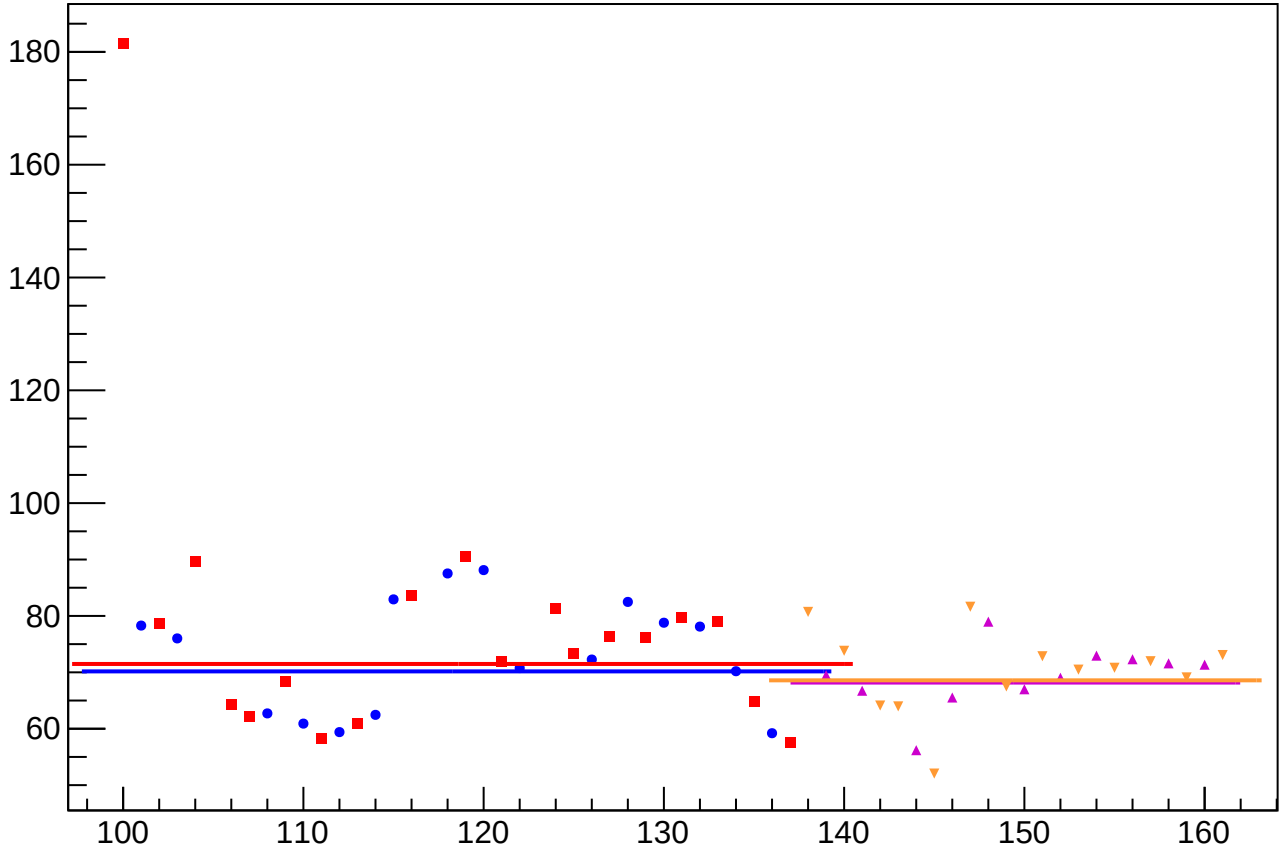
Left In: -4.314+/-22.254 χ^2/NDF:2.8/10

+ sign 44.516+/-16.672 χ^2/NDF: 39.1/28

All: 28.700+/-11.921 χ^2/NDF: 57.1/58

- sign 12.157+/-17.051 χ^2/NDF: 16.2/29

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 68.581+/-0.015 χ^2/NDF:279973.2/12

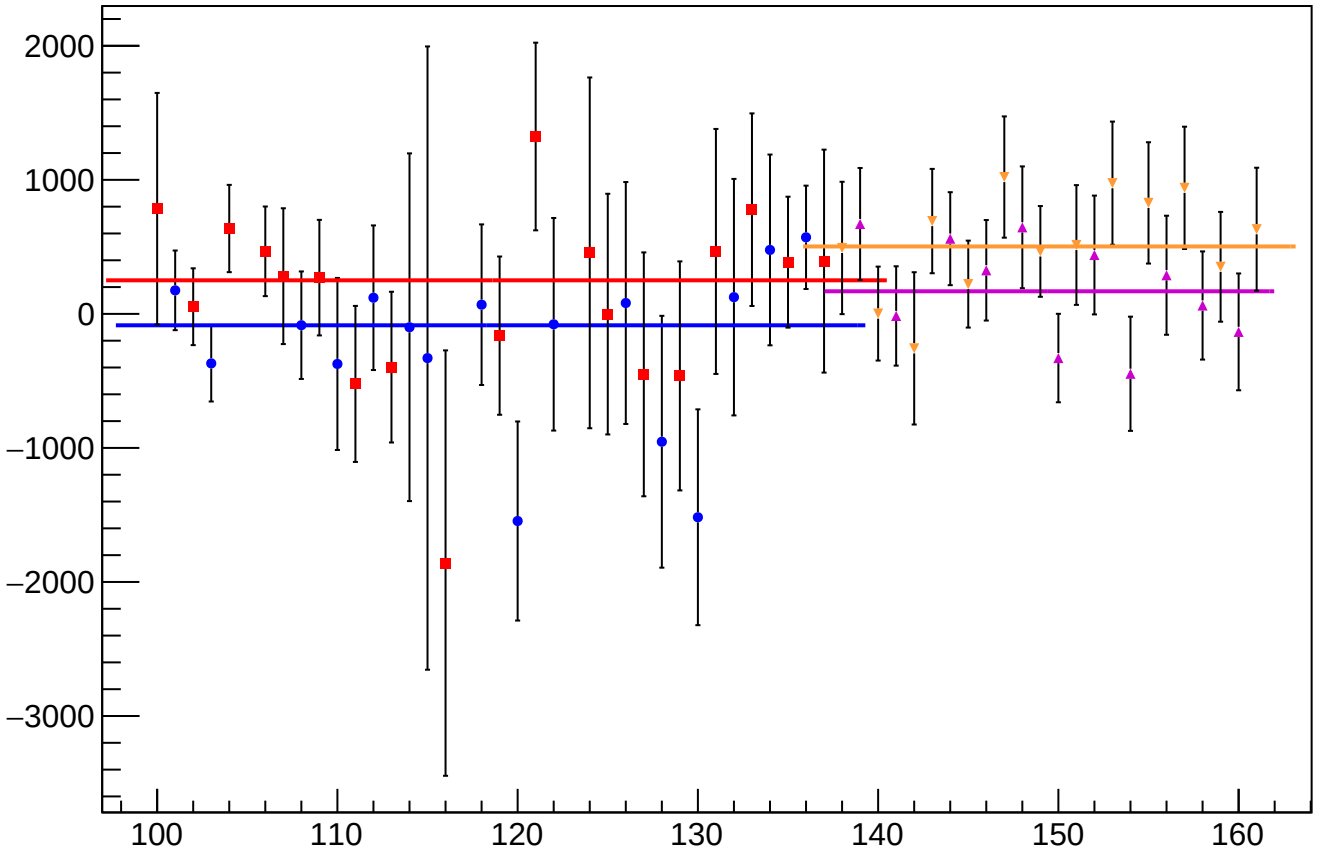
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 68.185+/-0.016 χ^2/NDF:136643.0/10

+ sign 69.213+/-0.012 χ^2/NDF: 553565.0/28

All: 69.376+/-0.008 χ^2/NDF: 1034457.6/58

- sign 69.547+/-0.012 χ^2/NDF: 480500.7/29



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 502.988+/-115.306 χ^2/NDF:8.8/12

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

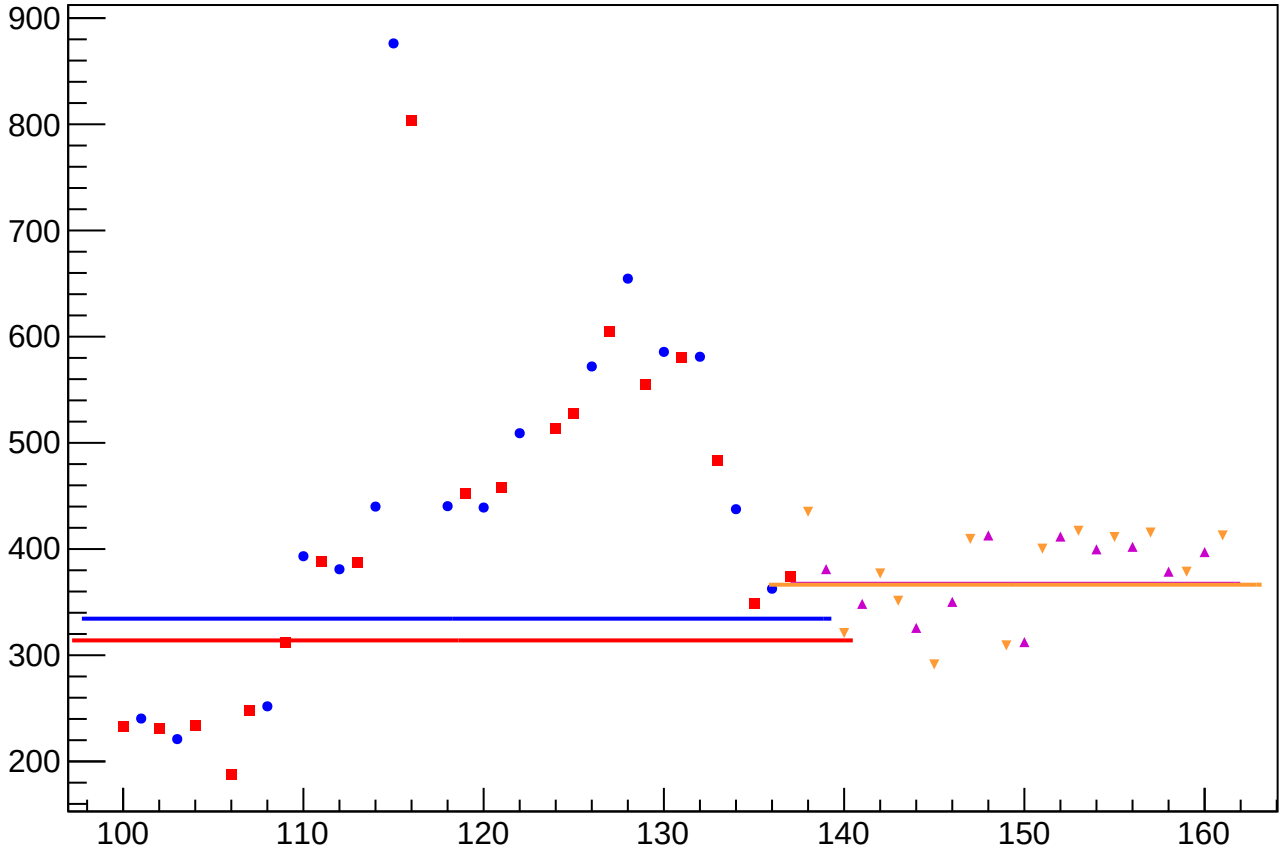
Left In: 168.613+/-119.924 χ^2/NDF:9.6/10

+ sign 250.335+/-87.088 χ^2/NDF: 33.7/28

All: 229.091+/-61.181 χ^2/NDF: 56.2/58

- sign 208.390+/-85.968 χ^2/NDF: 22.3/29

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 366.437+/-0.082 χ^2/NDF:359571.2/12

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

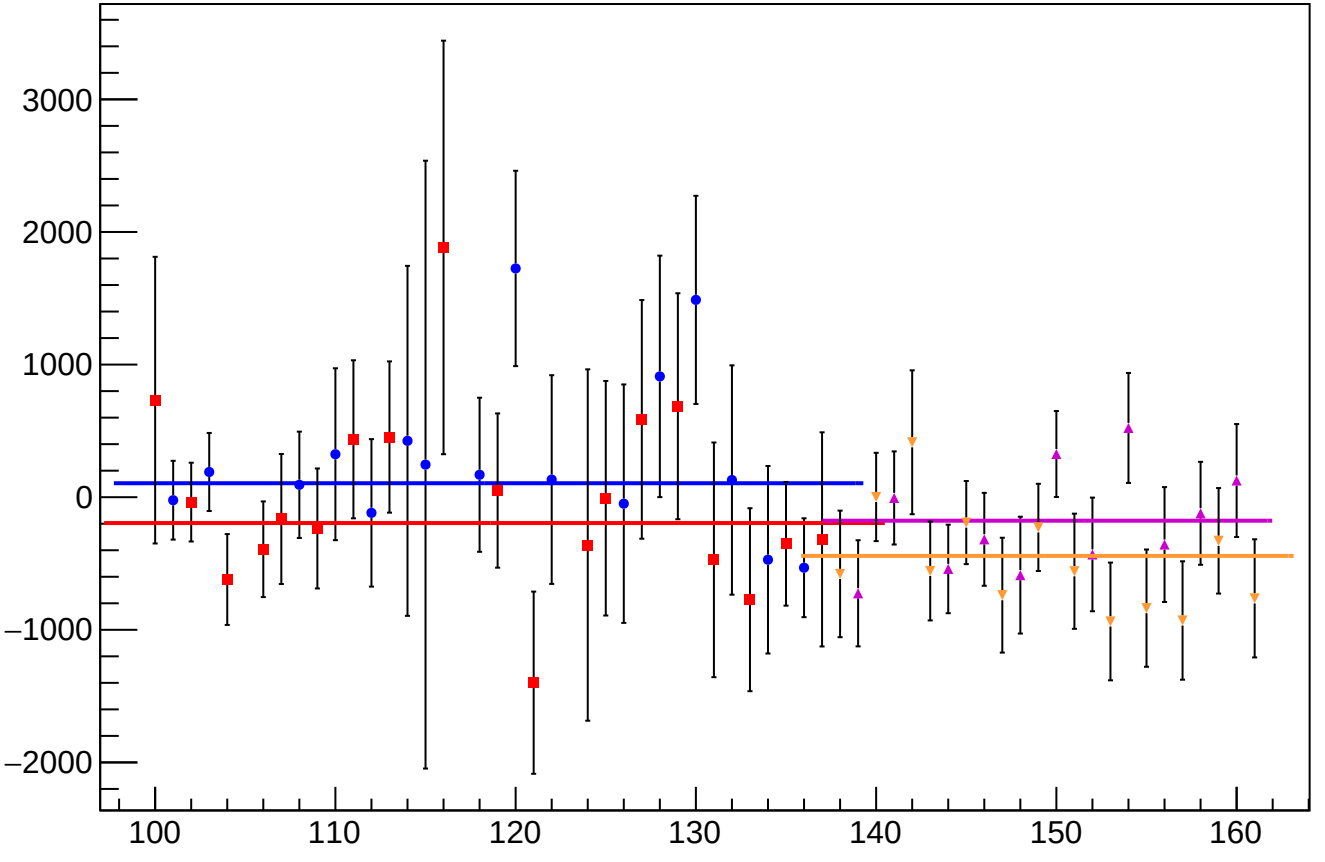
Left In: 367.296+/-0.085 χ^2/NDF:170595.4/10

+ sign 352.689+/-0.062 χ^2/NDF: 2156373.5/28

All: 346.958+/-0.043 χ^2/NDF: 4440900.9/58

- sign 341.374+/-0.061 χ^2/NDF: 2267428.6/29

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -442.647+/-111.365 χ^2/NDF:9.9/12

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

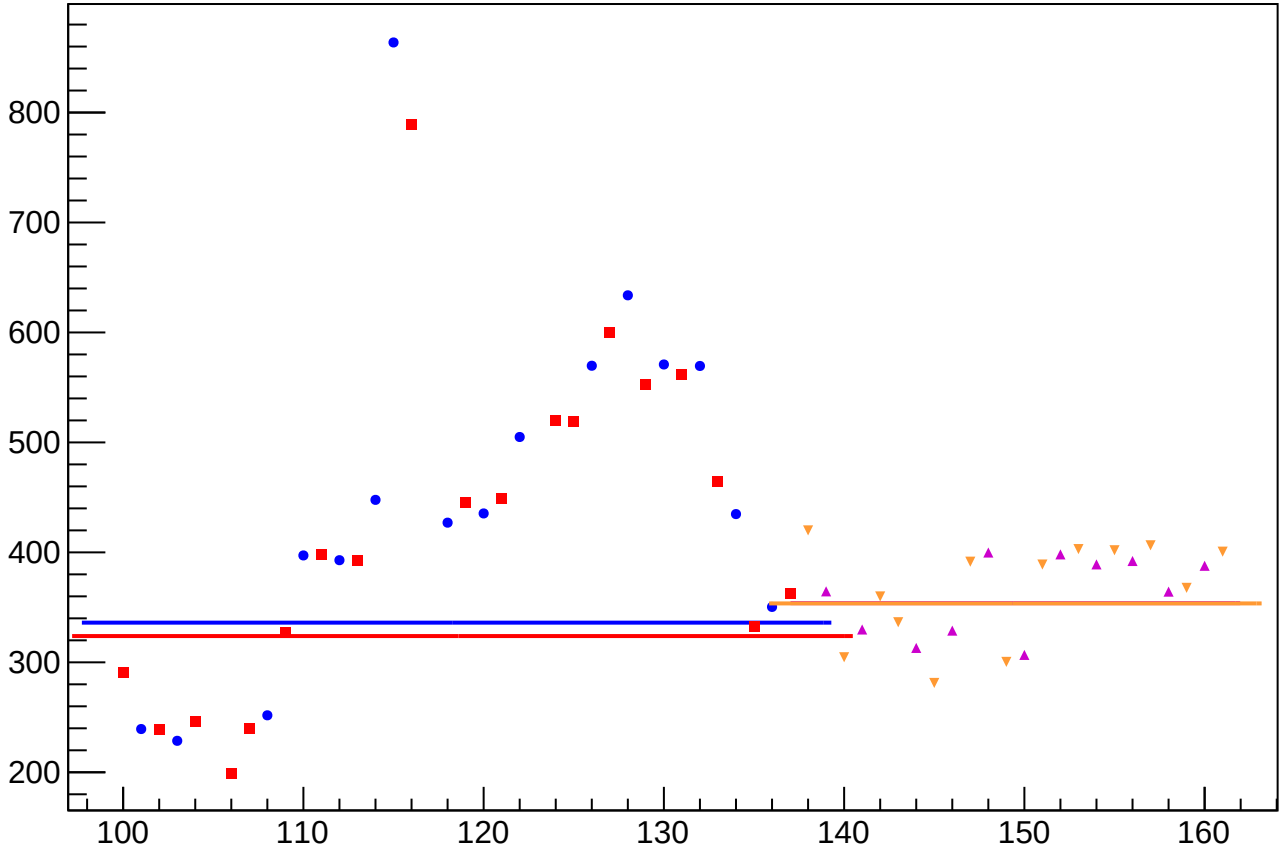
Left In: -177.242+/-115.555 χ^2/NDF:10.6/10

+ sign -216.864+/-85.397 χ^2/NDF: 32.8/28

All: -201.005+/-60.324 χ^2/NDF: 56.7/58

- sign -185.210+/-85.225 χ^2/NDF: 23.8/29

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 353.572+/-0.079 χ^2/NDF:375462.8/12

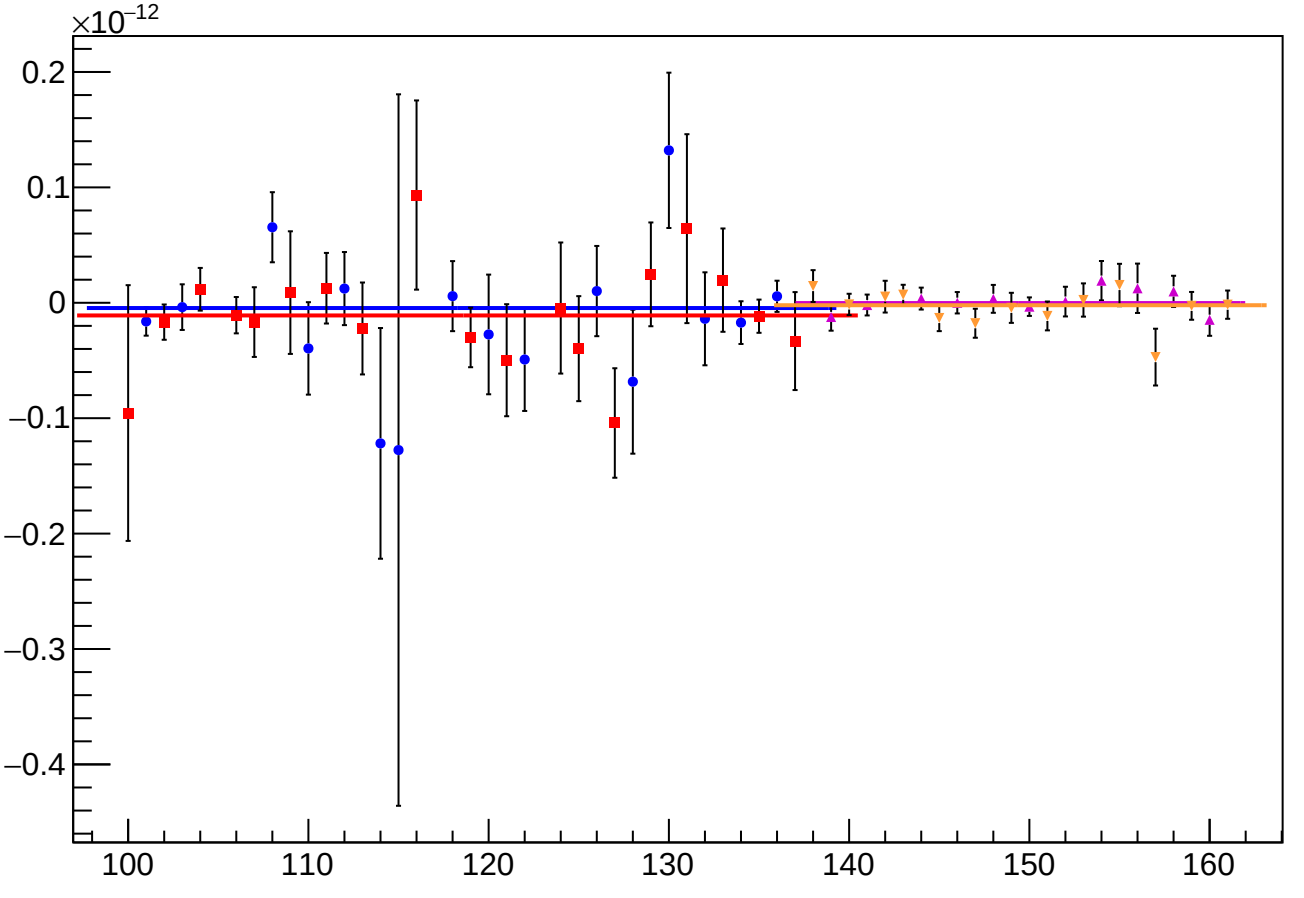
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 353.841+/-0.082 χ^2/NDF:180385.4/10

+ sign 346.371+/-0.060 χ^2/NDF: 2014760.6/28

All: 343.269+/-0.043 χ^2/NDF: 3927128.5/58

- sign 340.179+/-0.060 χ^2/NDF: 1907101.0/29



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

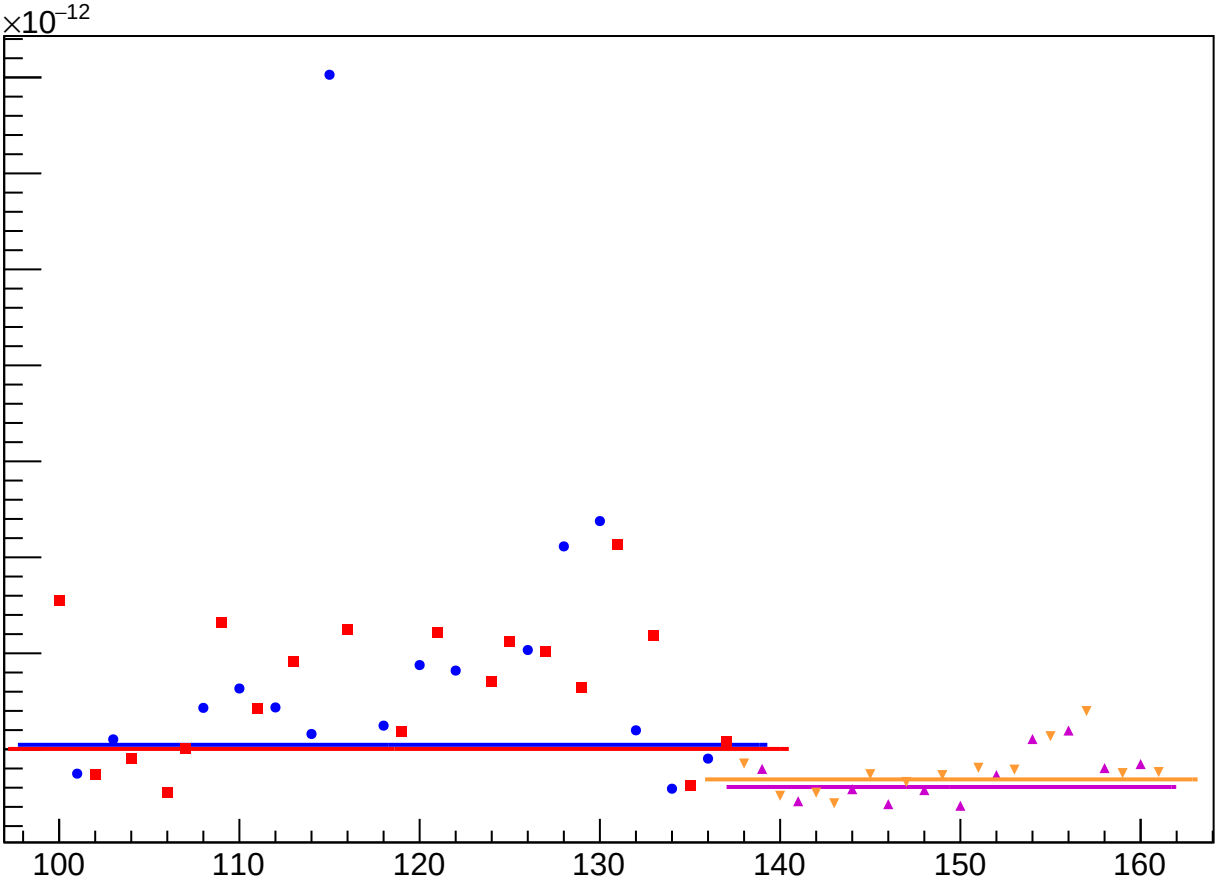
Left In: -0.000+/-0.000 χ^2/NDF:4.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 26.9/28

All: -0.000+/-0.000 χ^2/NDF: 46.2/58

- sign -0.000+/-0.000 χ^2/NDF: 19.3/29

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:622877.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

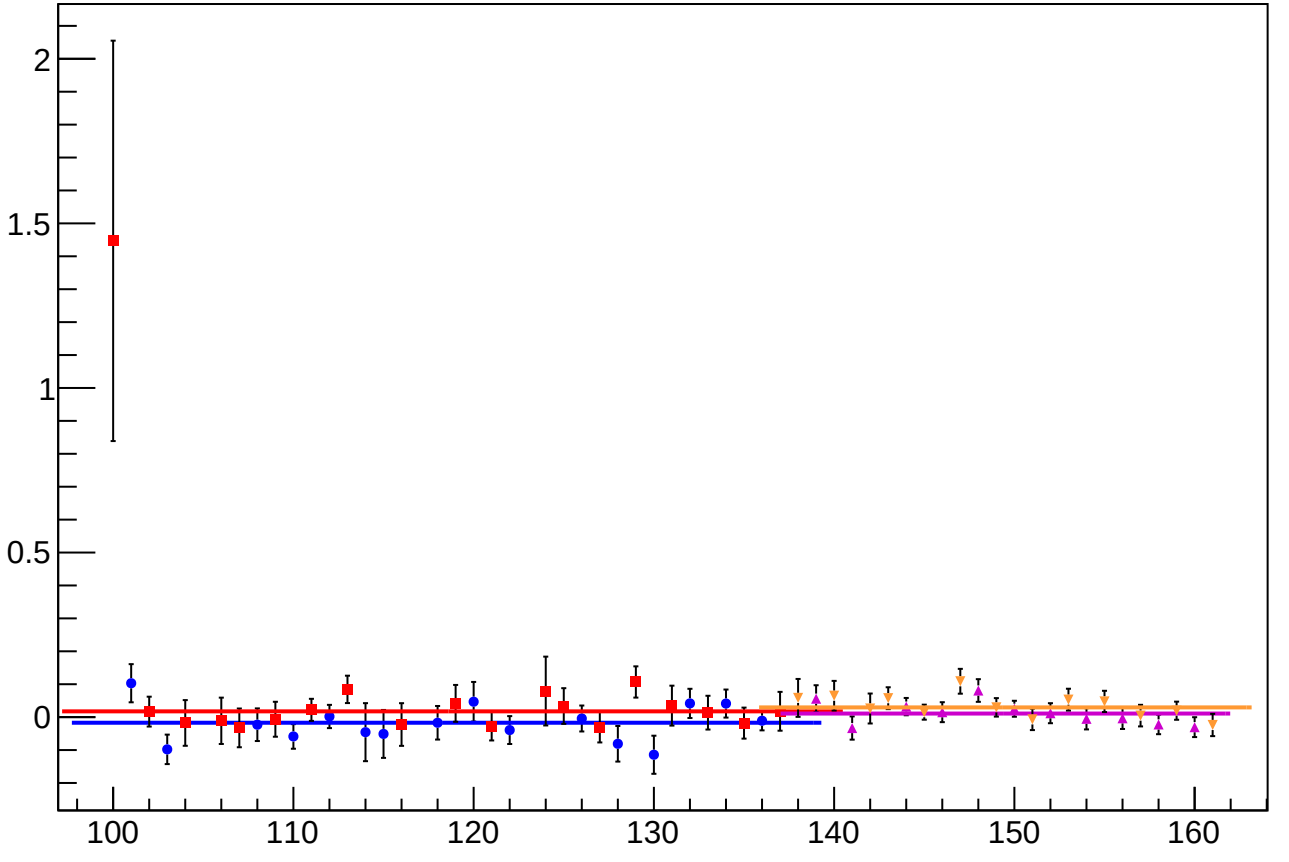
Left In: 0.000+/-0.000 χ^2/NDF:743008.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 2293273.2/28

All: 0.000+/-0.000 χ^2/NDF: 5105856.1/58

- sign 0.000+/-0.000 χ^2/NDF: 2755803.2/29

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.030+/-0.009 χ^2/NDF:11.7/12

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

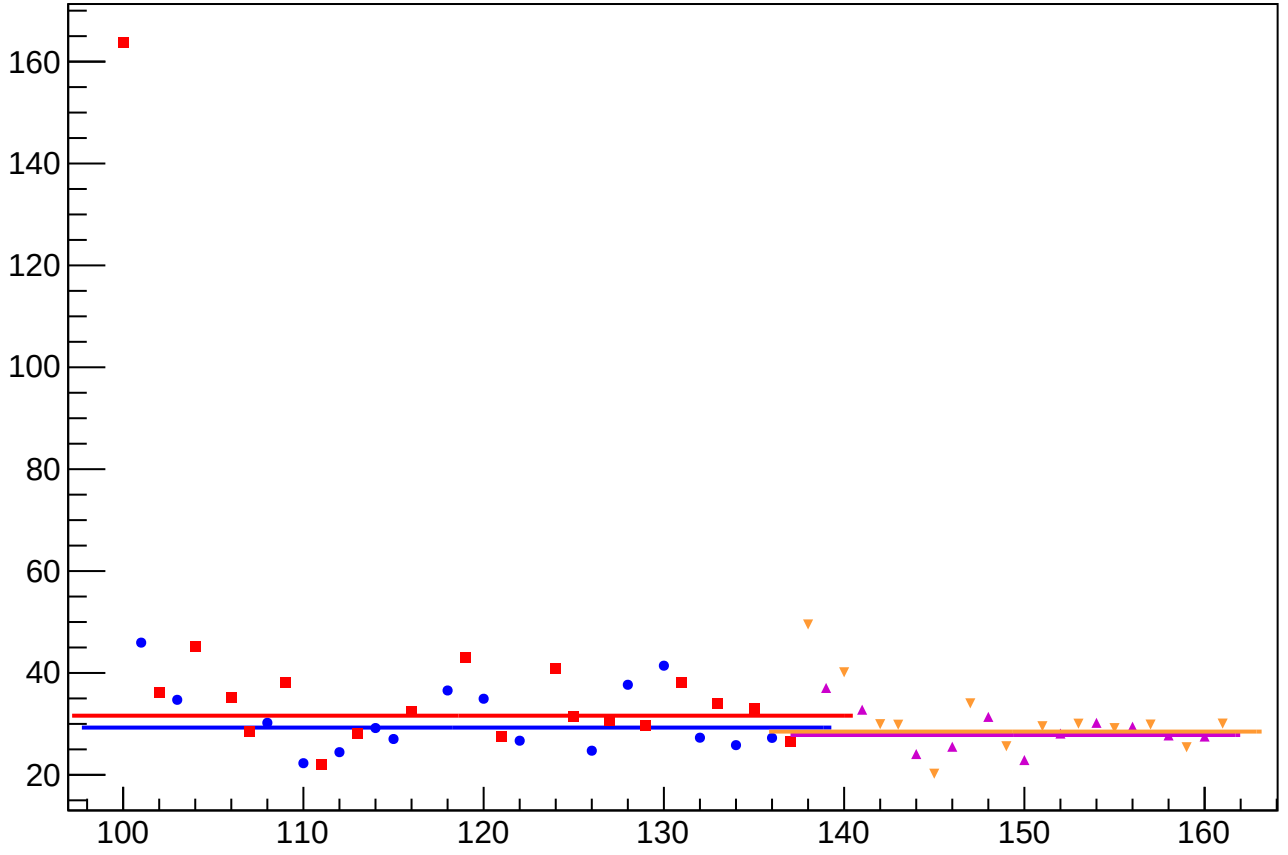
Left In: 0.011+/-0.009 χ^2/NDF:11.5/10

+ sign 0.011+/-0.007 χ^2/NDF: 40.7/28

All: 0.012+/-0.005 χ^2/NDF: 69.3/58

- sign 0.013+/-0.007 χ^2/NDF: 28.5/29

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: 28.493+/-0.006 χ^2/NDF:772568.6/12

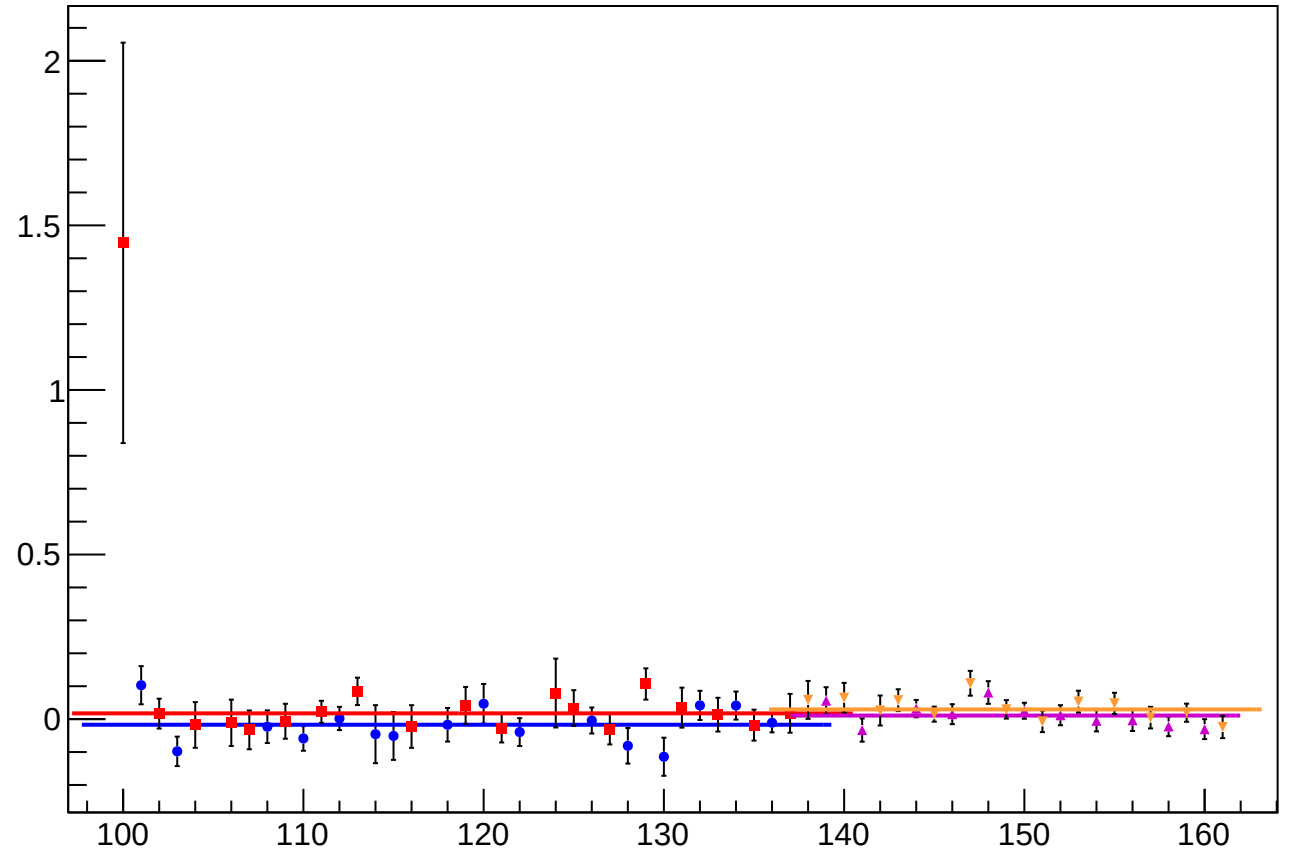
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.821+/-0.007 χ^2/NDF:313721.3/10

+ sign 28.802+/-0.005 χ^2/NDF: 1339037.8/28

All: 29.004+/-0.004 χ^2/NDF: 2352315.8/58

- sign 29.219+/-0.005 χ^2/NDF: 1009946.6/29



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.030+/-0.009 χ^2/NDF:11.7/12

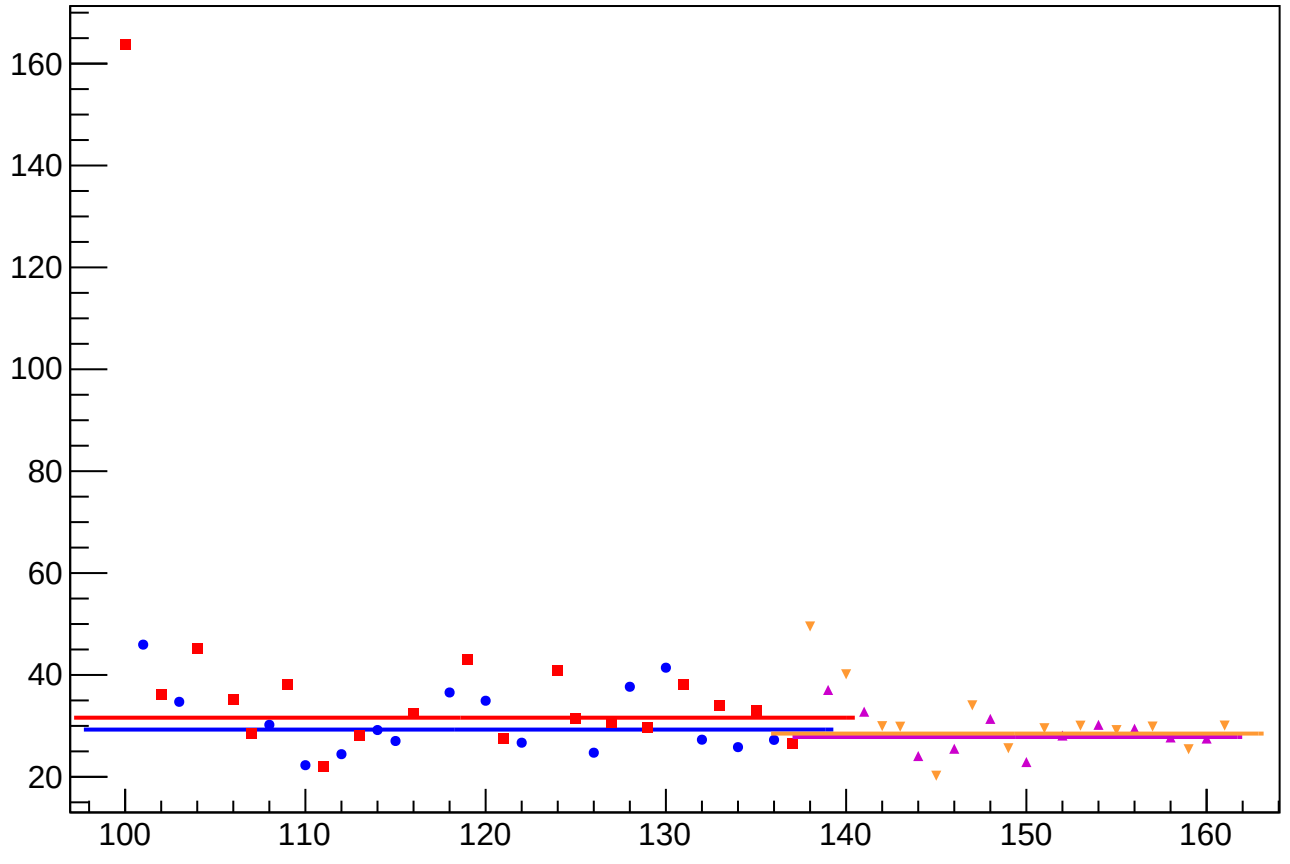
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.009 χ^2/NDF:11.5/10

+ sign 0.011+/-0.007 χ^2/NDF: 40.7/28

All: 0.012+/-0.005 χ^2/NDF: 69.3/58

- sign 0.013+/-0.007 χ^2/NDF: 28.5/29



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.493+/-0.006 χ^2/NDF:772568.6/12

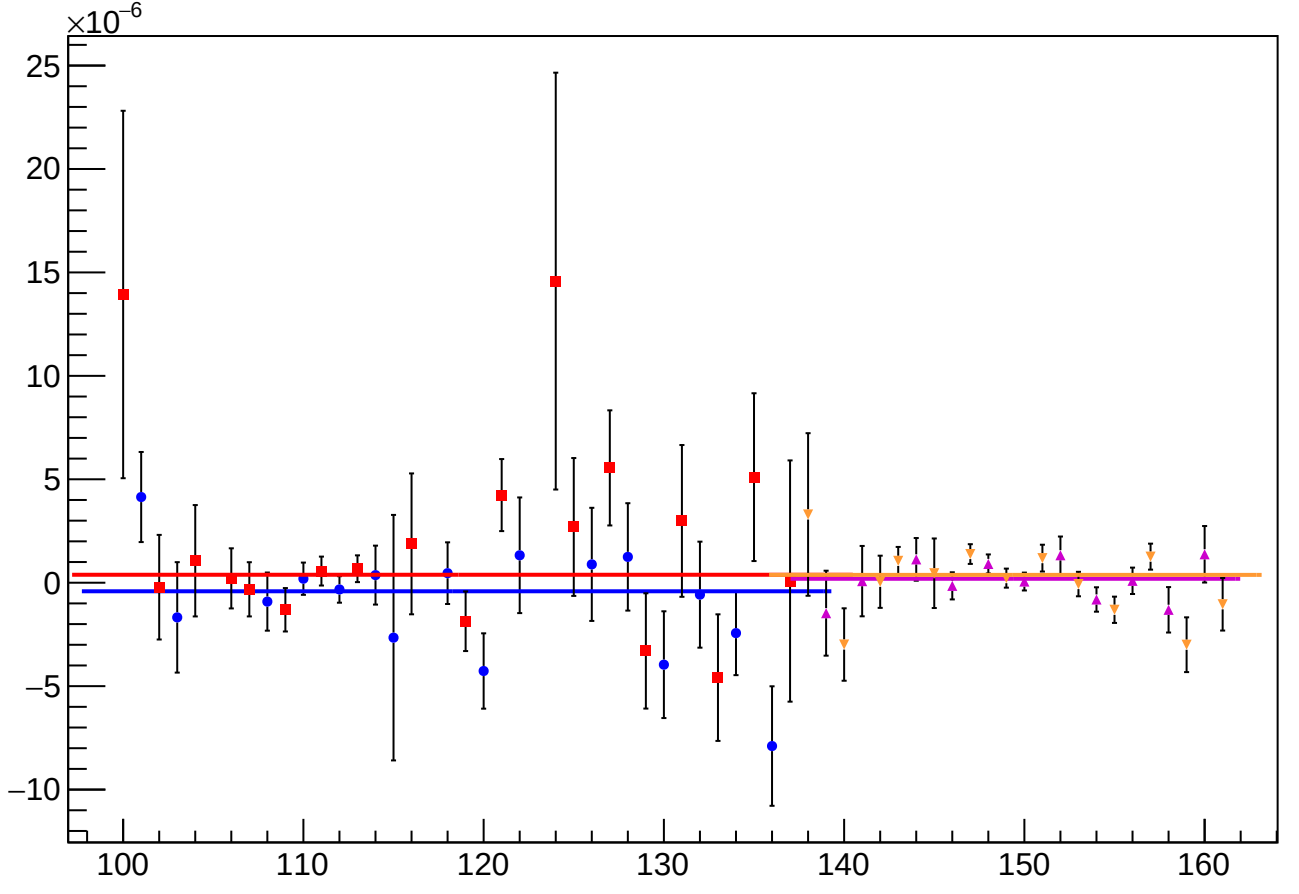
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.821+/-0.007 χ^2/NDF:313721.3/10

+ sign 28.802+/-0.005 χ^2/NDF: 1339037.8/28

All: 29.004+/-0.004 χ^2/NDF: 2352315.8/58

- sign 29.219+/-0.005 χ^2/NDF: 1009946.6/29



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/12

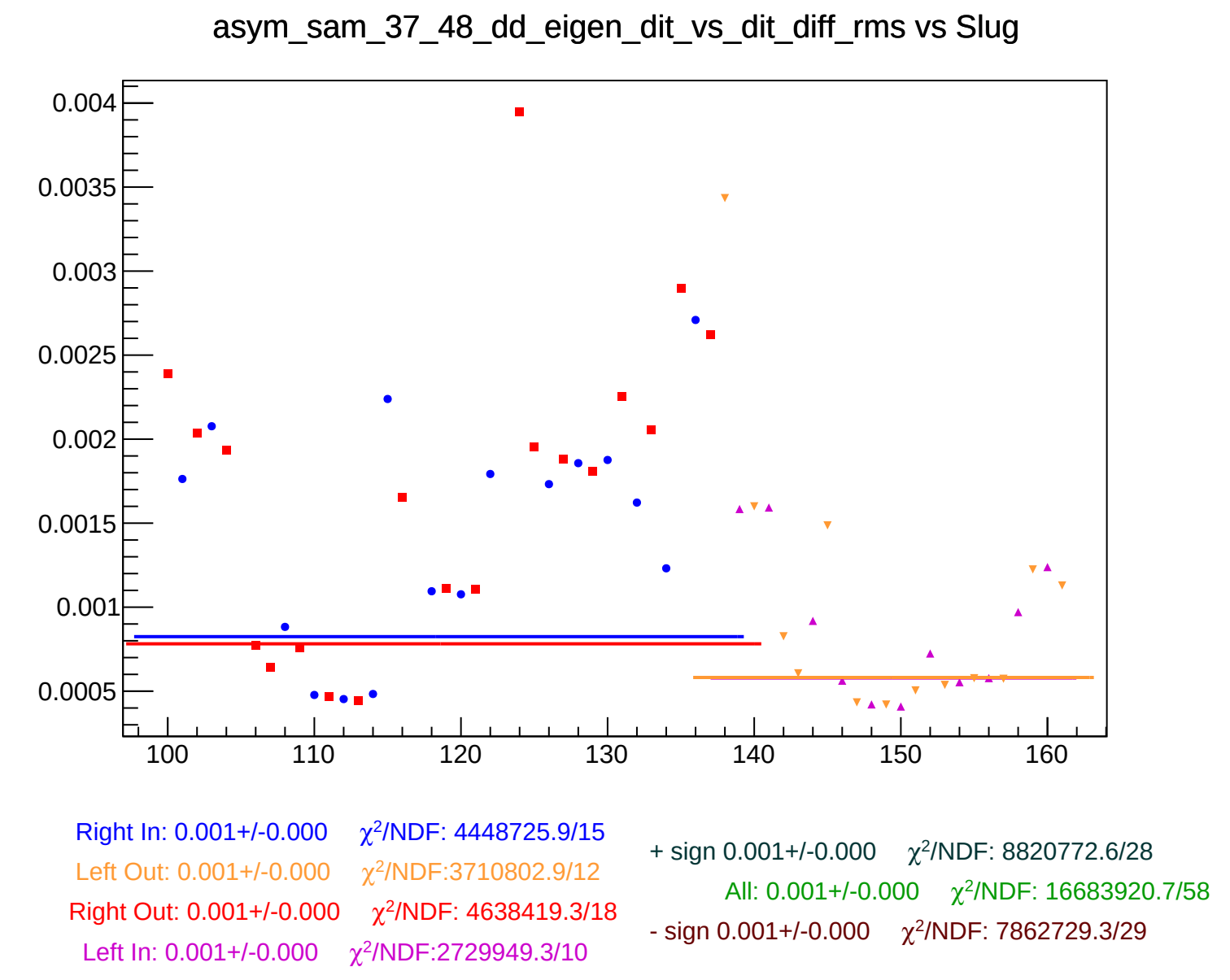
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

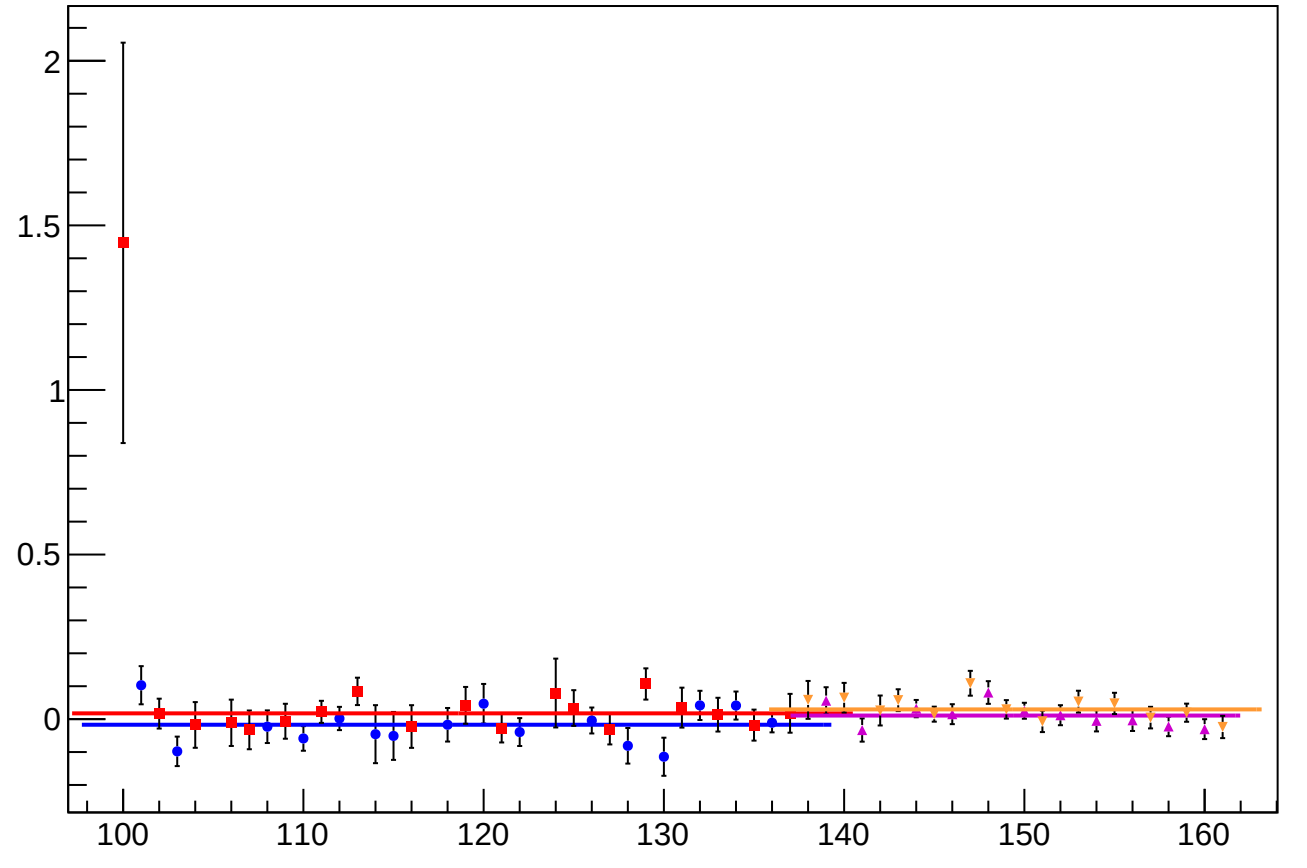
Left In: 0.000+/-0.000 χ^2/NDF:11.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 53.6/28

All: 0.000+/-0.000 χ^2/NDF: 90.5/58

- sign 0.000+/-0.000 χ^2/NDF: 36.9/29


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:3710802.9/12
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:2729949.3/10
+ sign 0.001+/-0.000 χ²/NDF: 8820772.6/28
All: 0.001+/-0.000 χ²/NDF: 16683920.7/58
- sign 0.001+/-0.000 χ²/NDF: 7862729.3/29



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.030+/-0.009 χ^2/NDF:11.7/12

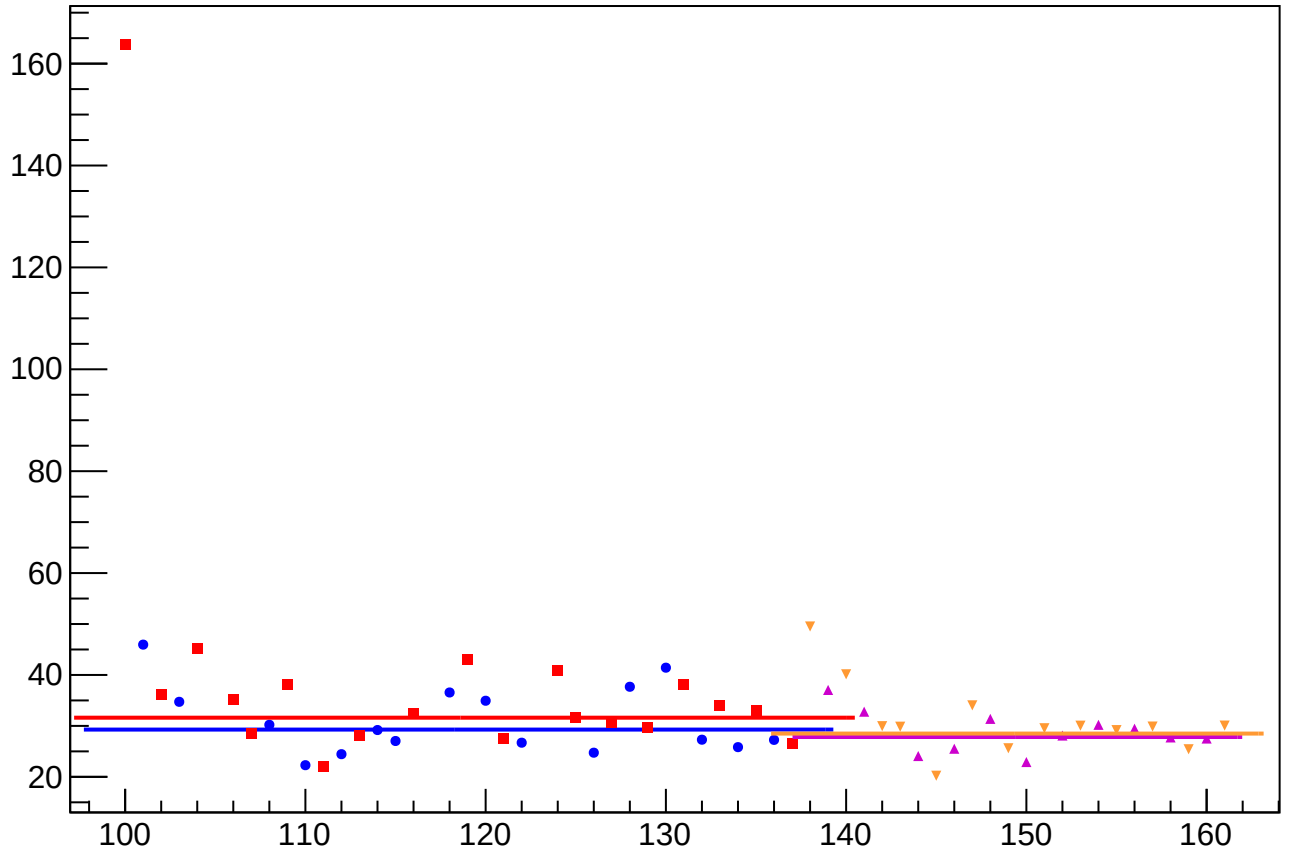
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.009 χ^2/NDF:11.5/10

\+ sign 0.011+/-0.007 χ^2/NDF: 40.7/28

All: 0.012+/-0.005 χ^2/NDF: 69.3/58

\- sign 0.013+/-0.007 χ^2/NDF: 28.5/29



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.493+/-0.006 χ^2/NDF:772612.7/12

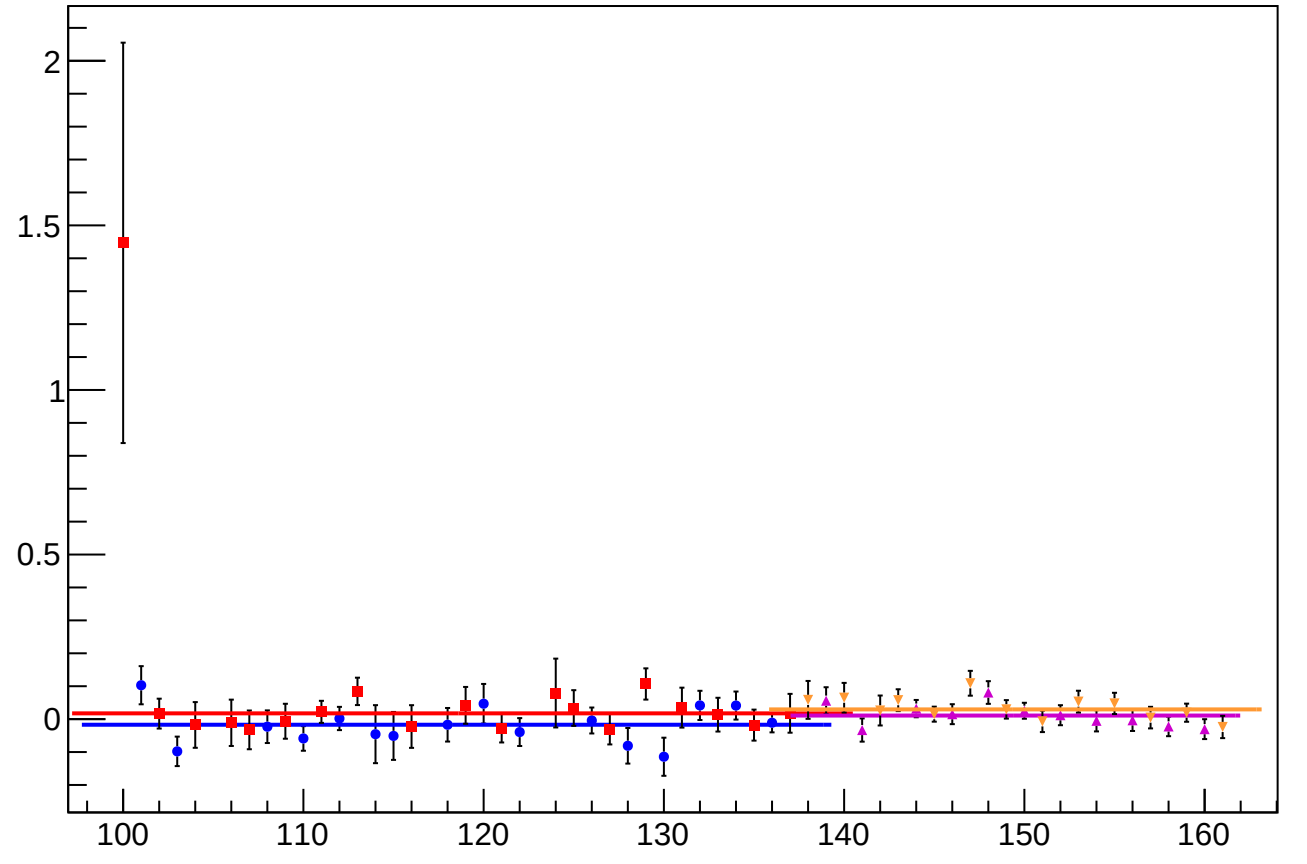
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.821+/-0.007 χ^2/NDF:313692.9/10

+ sign 28.802+/-0.005 χ^2/NDF: 1339085.7/28

All: 29.004+/-0.004 χ^2/NDF: 2352350.8/58

- sign 29.219+/-0.005 χ^2/NDF: 1009931.4/29



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.030+/-0.009 χ^2/NDF:11.7/12

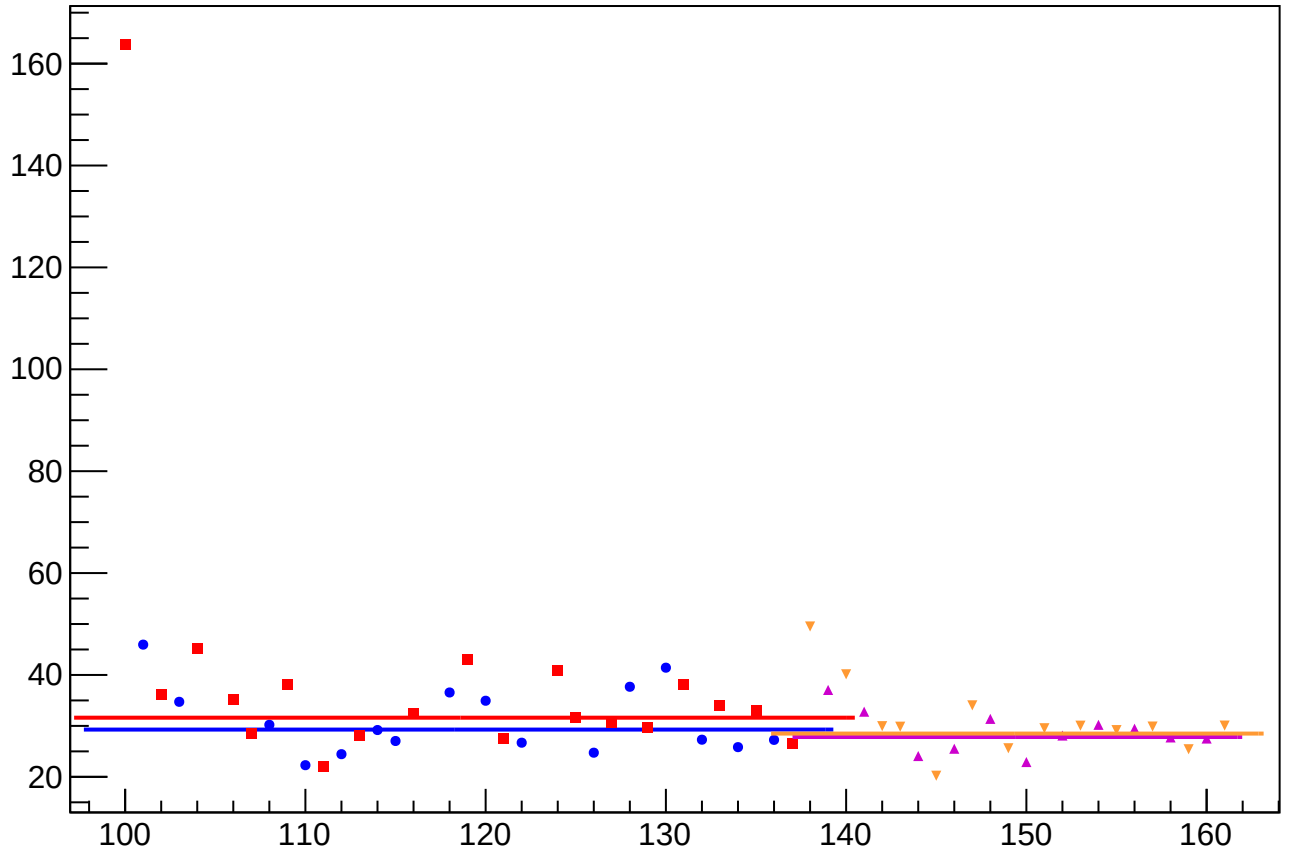
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.009 χ^2/NDF:11.5/10

\+ sign 0.011+/-0.007 χ^2/NDF: 40.7/28

All: 0.012+/-0.005 χ^2/NDF: 69.3/58

\- sign 0.013+/-0.007 χ^2/NDF: 28.5/29



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.493+/-0.006 χ^2/NDF:772612.7/12

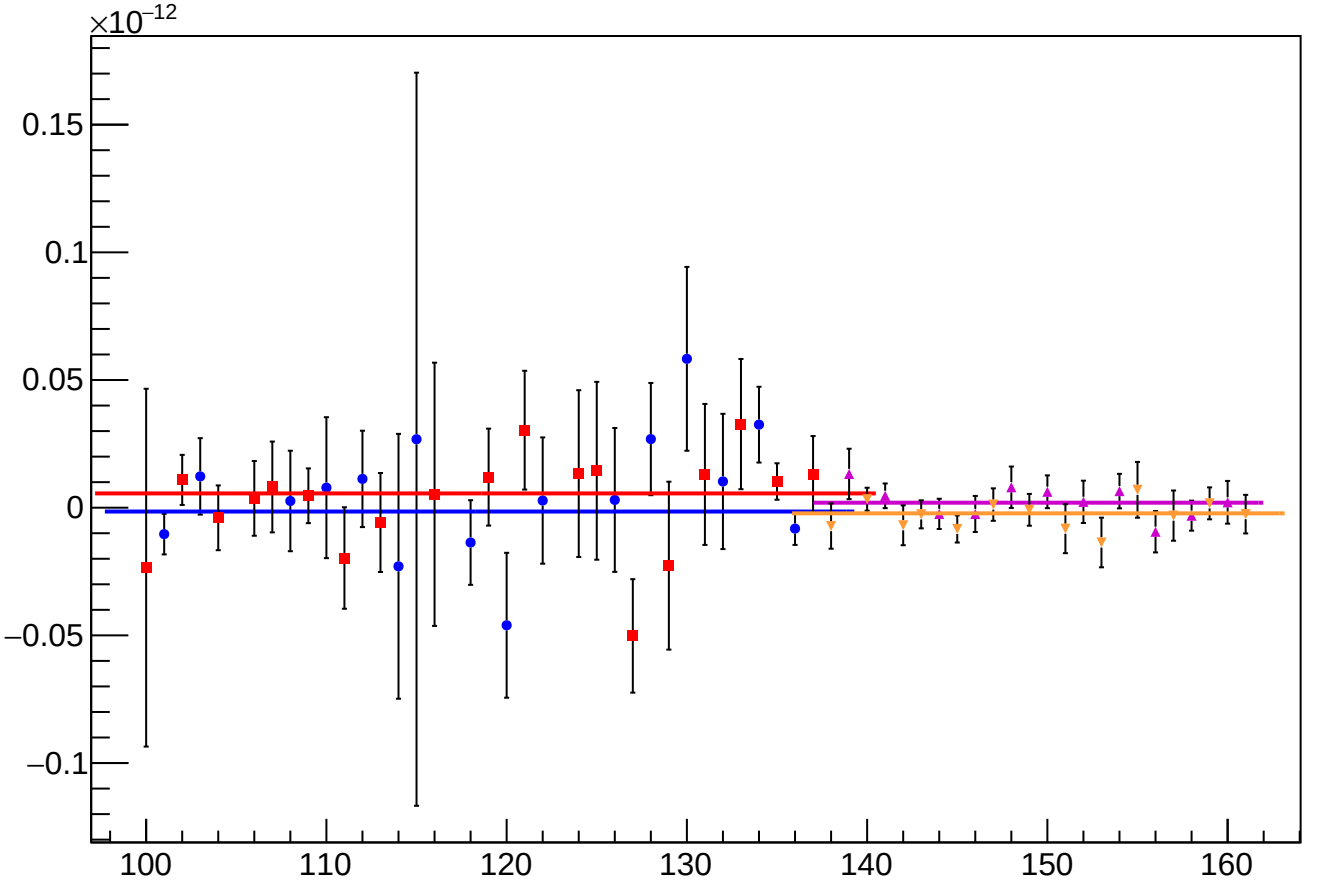
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.821+/-0.007 χ^2/NDF:313692.9/10

+ sign 28.802+/-0.005 χ^2/NDF: 1339085.7/28

All: 29.004+/-0.004 χ^2/NDF: 2352350.8/58

- sign 29.219+/-0.005 χ^2/NDF: 1009931.4/29



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

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

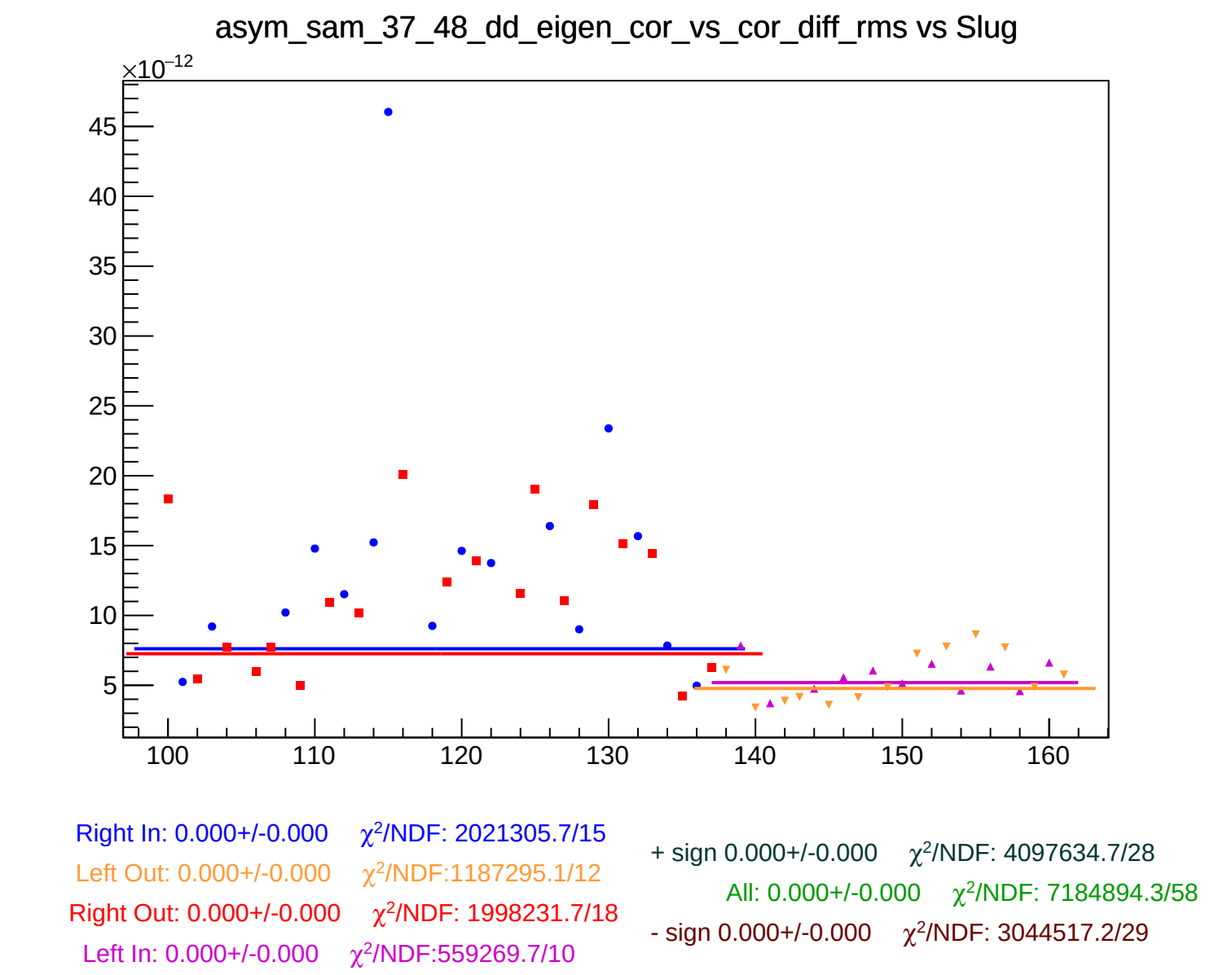
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/10

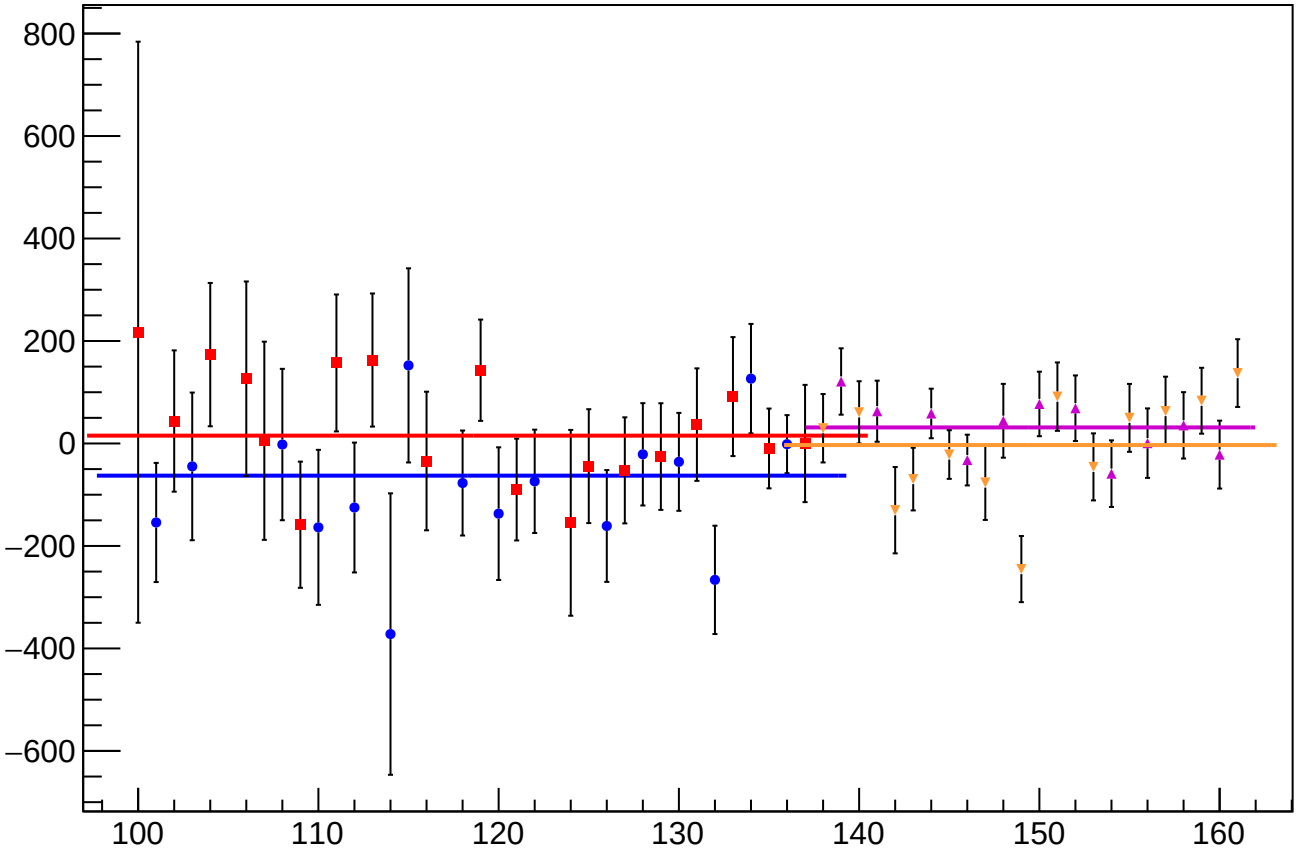
+ sign -0.000+/-0.000 χ^2/NDF: 23.7/28

All: 0.000+/-0.000 χ^2/NDF: 48.5/58

- sign 0.000+/-0.000 χ^2/NDF: 20.8/29


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1187295.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:559269.7/10
+ sign 0.000+/-0.000 χ²/NDF: 4097634.7/28
All: 0.000+/-0.000 χ²/NDF: 7184894.3/58
- sign 0.000+/-0.000 χ²/NDF: 3044517.2/29

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -3.087+/-17.805 χ^2/NDF:30.4/12

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

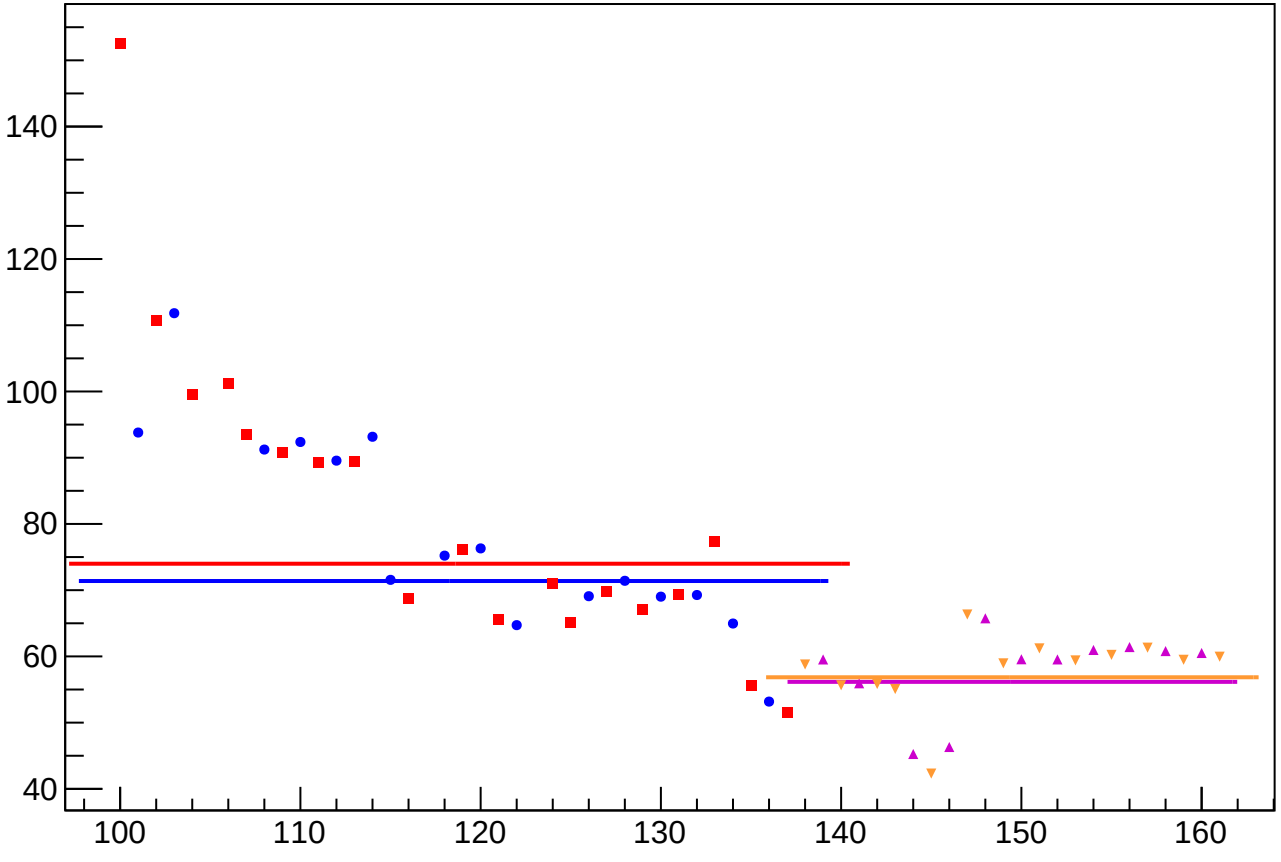
Left In: 31.323+/-18.365 χ^2/NDF:7.9/10

+ sign -20.986+/-14.899 χ^2/NDF: 47.3/28

All: 2.072+/-10.680 χ^2/NDF: 71.7/58

- sign 26.444+/-15.318 χ^2/NDF: 19.6/29

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 56.849+/-0.013 χ^2/NDF:261582.7/12

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

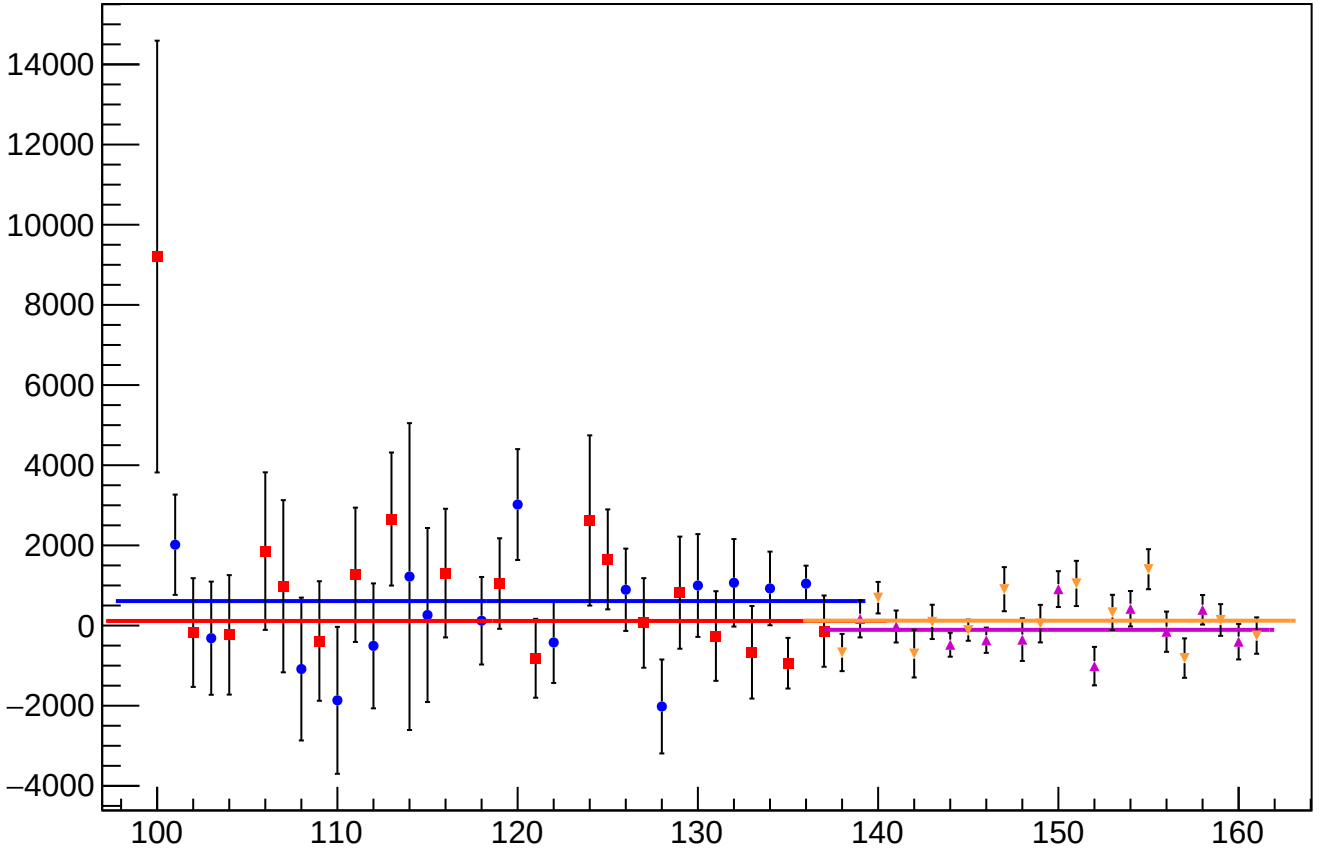
Left In: 56.156+/-0.013 χ^2/NDF:274779.9/10

+ sign 61.206+/-0.011 χ^2/NDF: 1251998.2/28

All: 61.389+/-0.008 χ^2/NDF: 2739942.1/58

- sign 61.584+/-0.011 χ^2/NDF: 1487317.9/29

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 121.475+/-120.076 χ^2/NDF:23.7/12

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

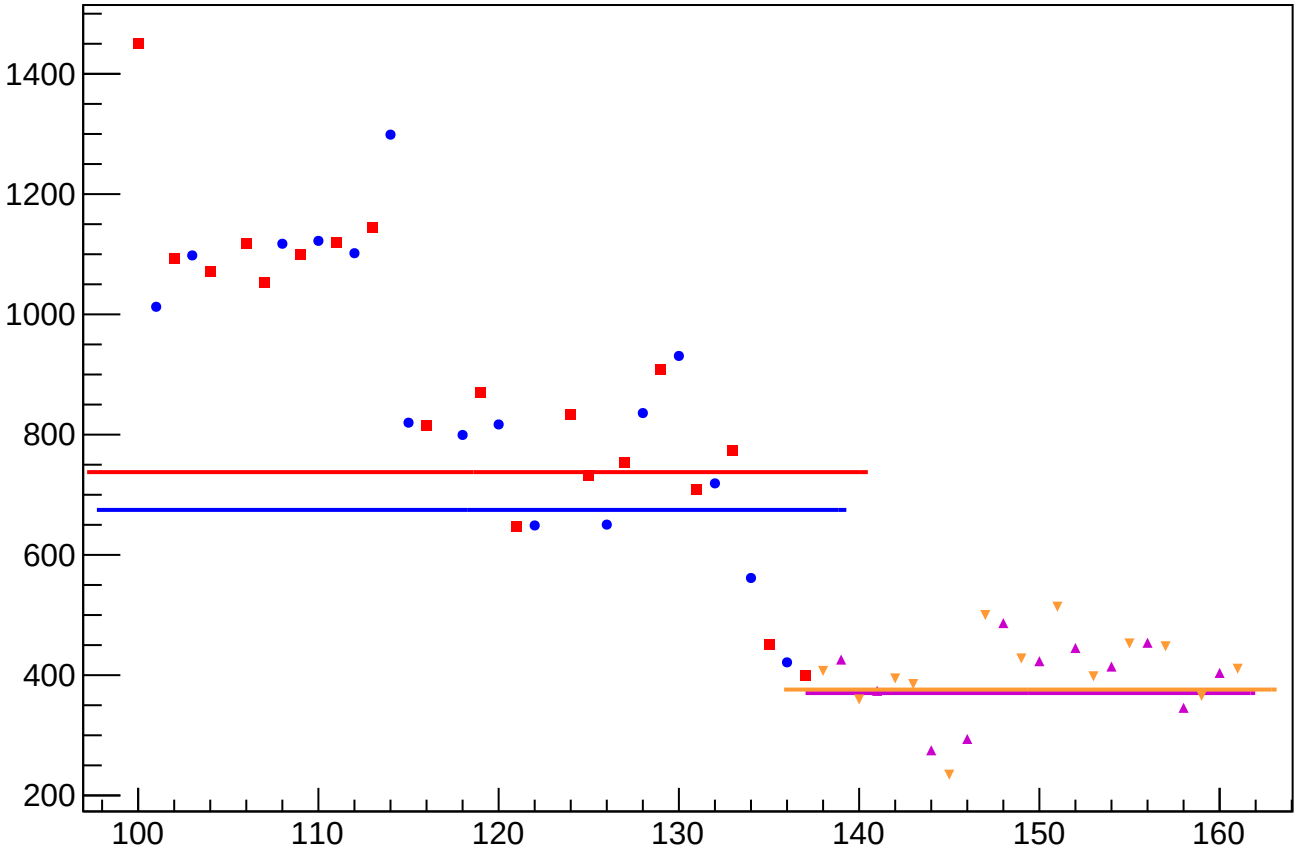
Left In: -106.860+/-122.575 χ^2/NDF:15.2/10

+ sign 203.853+/-109.497 χ^2/NDF: 42.1/28

All: 69.660+/-78.487 χ^2/NDF: 76.5/58

- sign -72.143+/-112.560 χ^2/NDF: 31.3/29

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 376.061+/-0.085 χ^2/NDF:944875.7/12

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

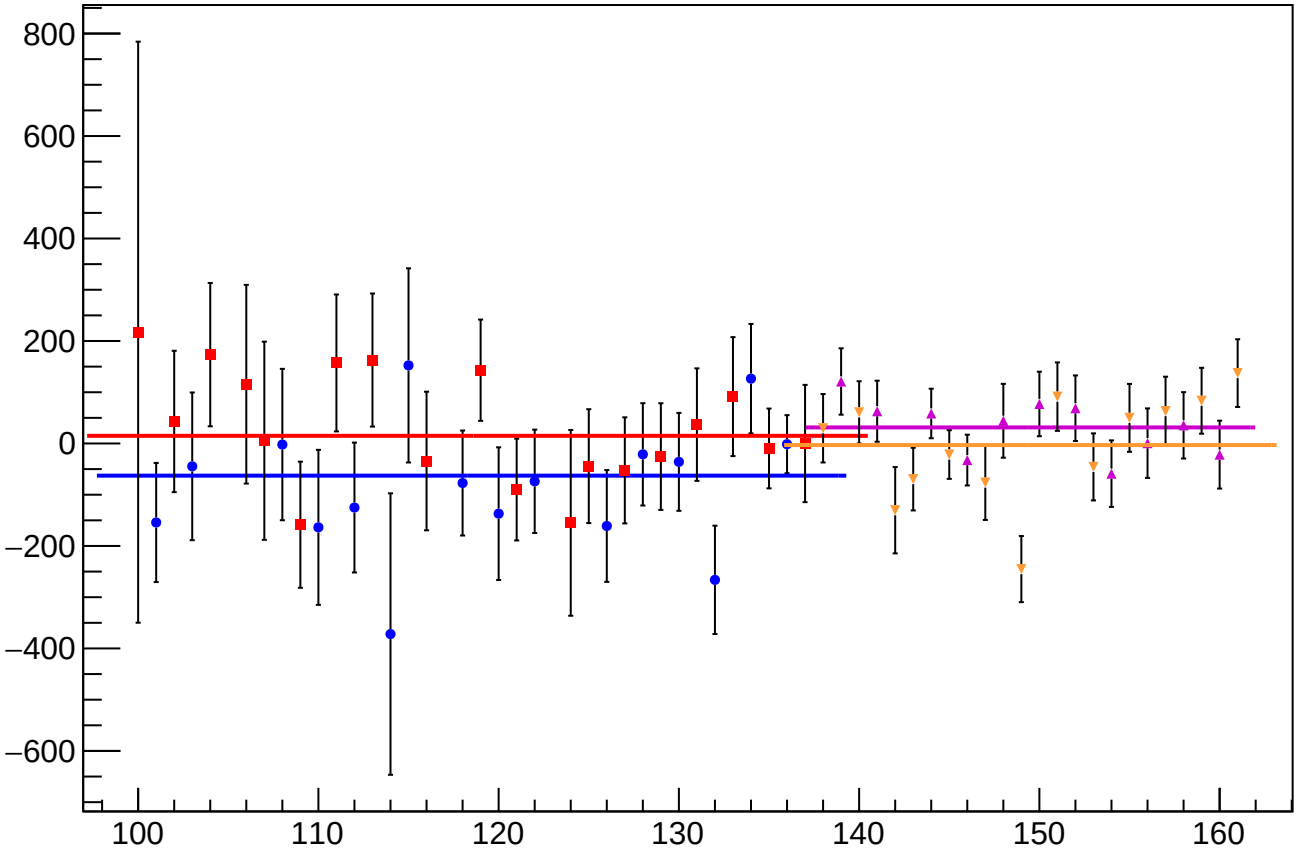
Left In: 370.252+/-0.087 χ^2/NDF:616329.9/10

+ sign 426.384+/-0.077 χ^2/NDF: 4648025.1/28

All: 427.092+/-0.055 χ^2/NDF: 9597931.8/58

- sign 427.841+/-0.080 χ^2/NDF: 4949734.4/29

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -3.089+/-17.805 χ^2/NDF:30.4/12

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

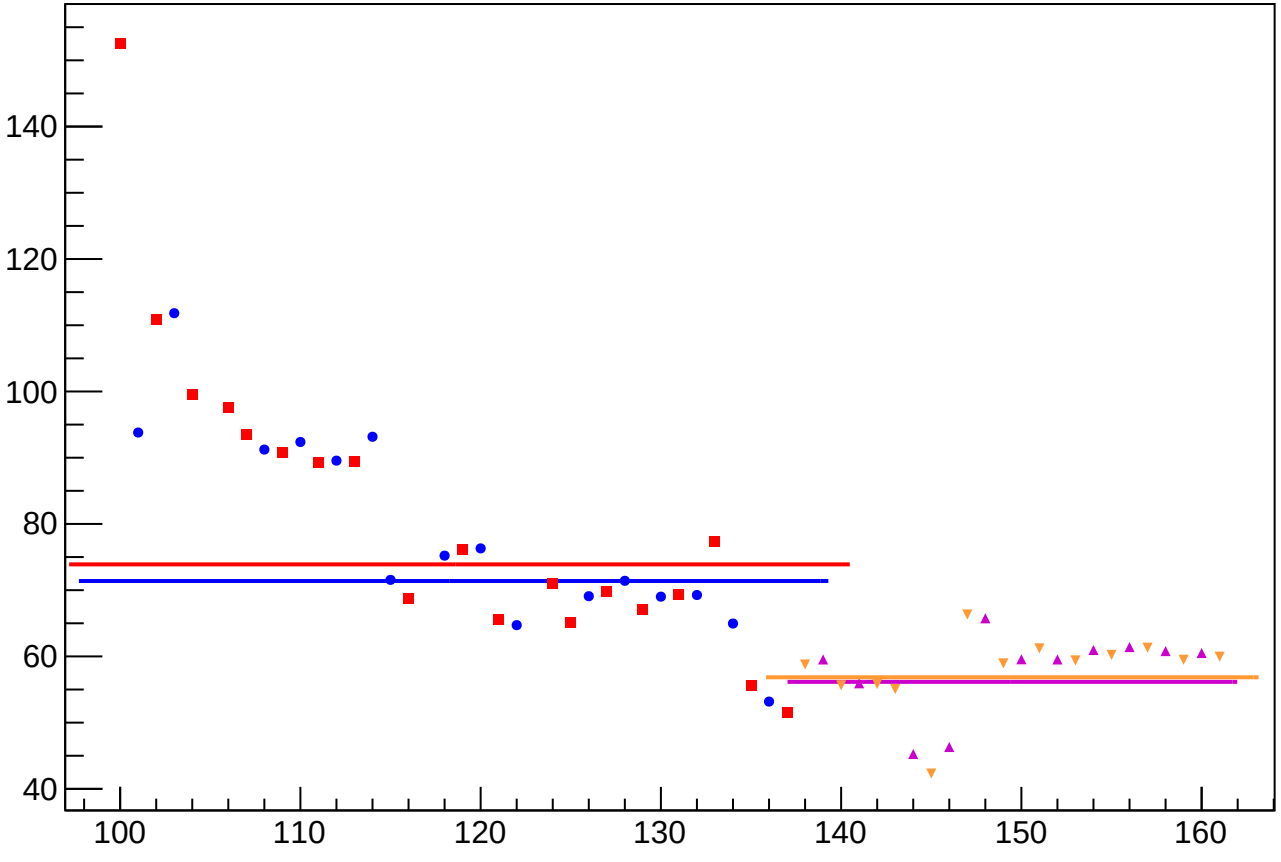
Left In: 31.323+/-18.365 χ^2/NDF:7.9/10

+ sign -20.985+/-14.899 χ^2/NDF: 47.3/28

All: 2.018+/-10.681 χ^2/NDF: 71.6/58

- sign 26.339+/-15.320 χ^2/NDF: 19.5/29

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.849+/-0.013 χ^2/NDF:261582.7/12

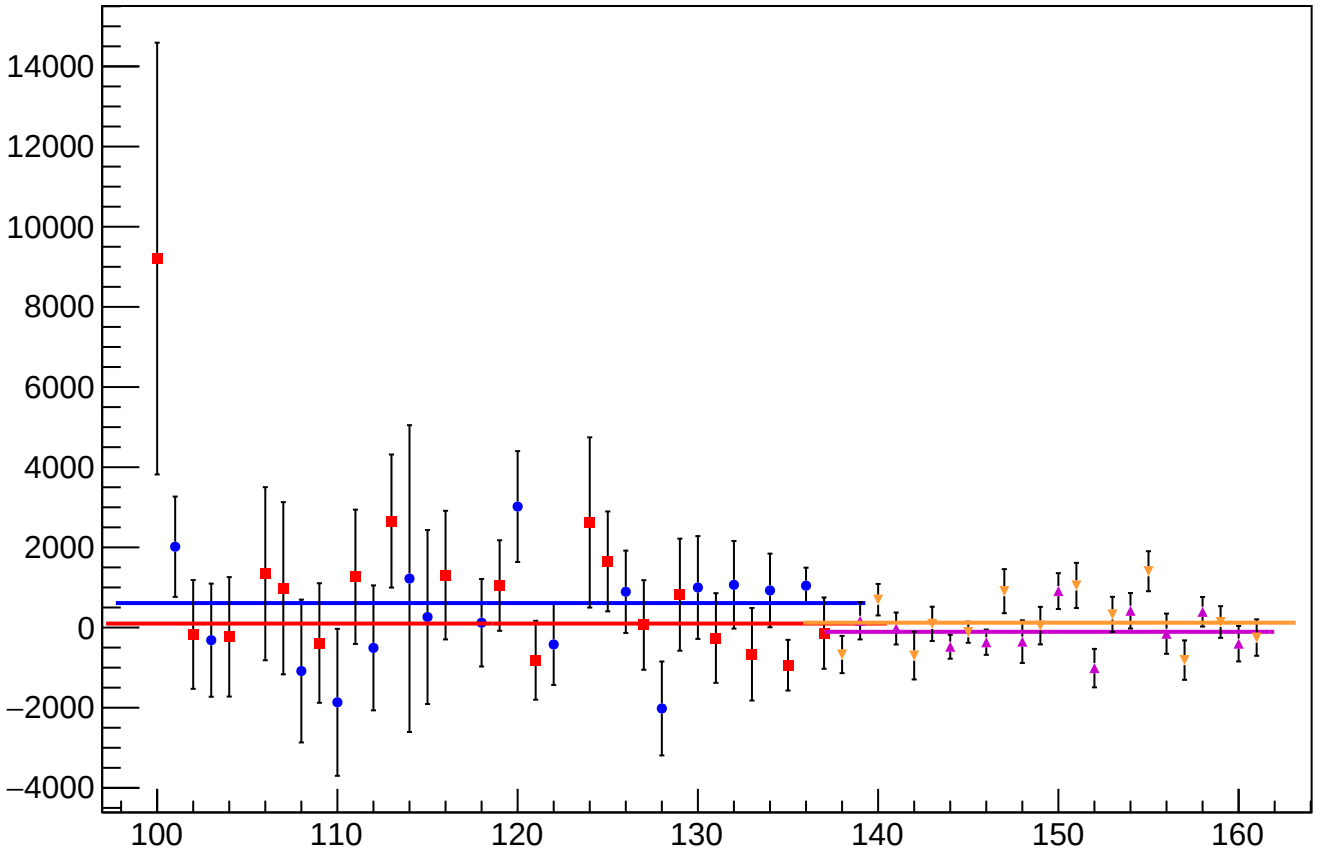
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.156+/-0.013 χ^2/NDF:274780.0/10

+ sign 61.206+/-0.011 χ^2/NDF: 1252000.8/28

All: 61.373+/-0.008 χ^2/NDF: 2721626.8/58

- sign 61.550+/-0.011 χ^2/NDF: 1469107.4/29



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 121.471+/-120.076 χ^2/NDF:23.7/12

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

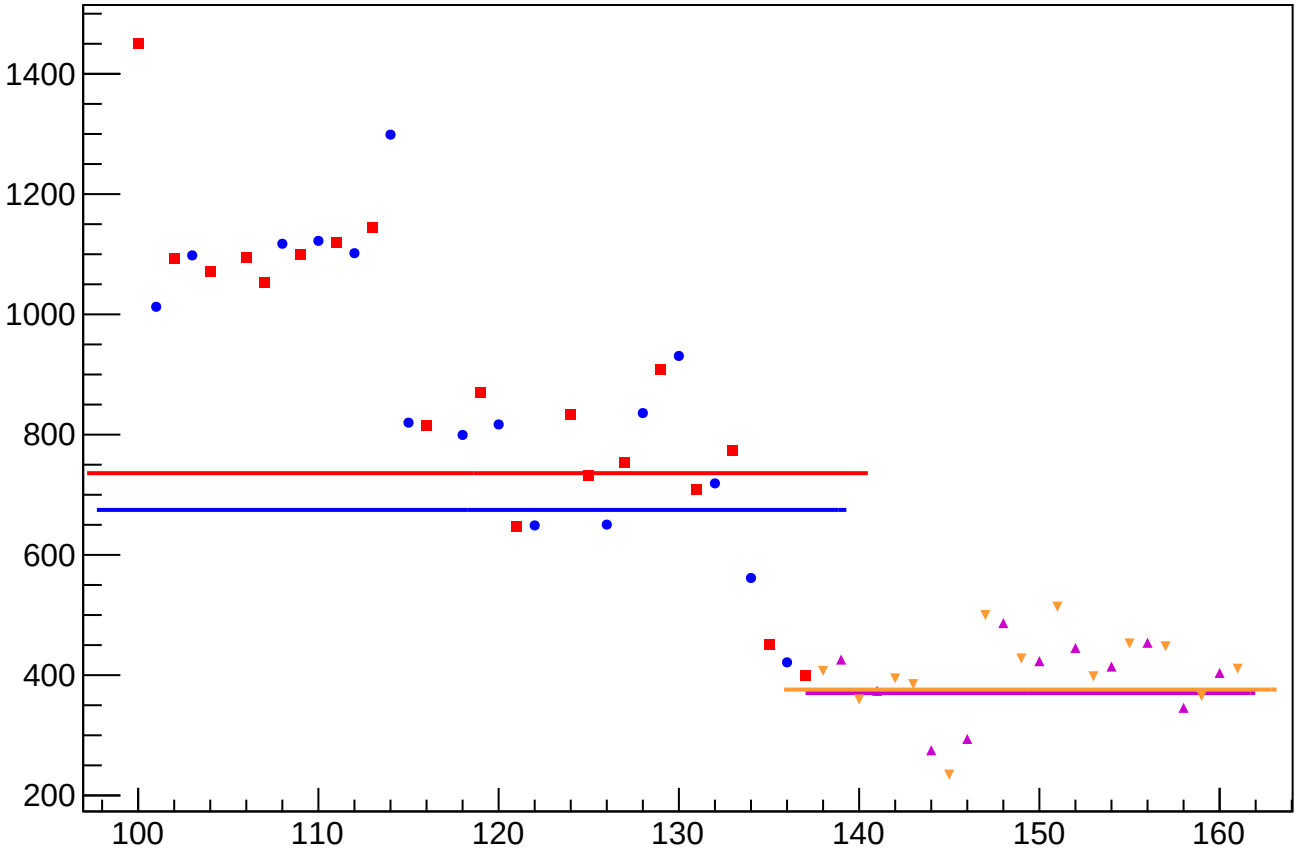
Left In: -106.856+/-122.575 χ^2/NDF:15.2/10

+ sign 203.848+/-109.497 χ^2/NDF: 42.1/28

All: 68.501+/-78.497 χ^2/NDF: 76.1/58

- sign -74.603+/-112.592 χ^2/NDF: 30.8/29

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 376.061+/-0.085 χ^2/NDF:944883.2/12

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

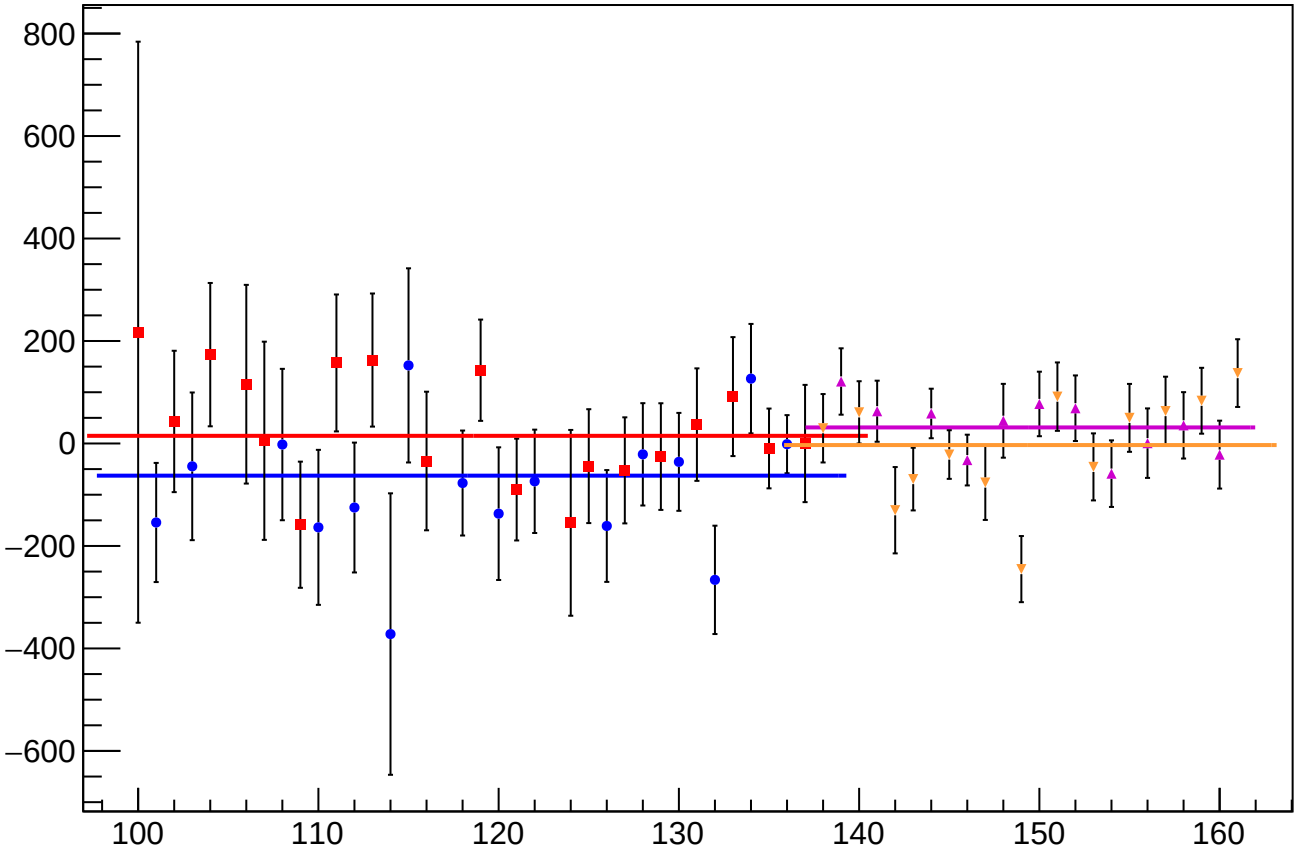
Left In: 370.252+/-0.087 χ^2/NDF:616330.4/10

+ sign 426.383+/-0.077 χ^2/NDF: 4648059.4/28

All: 426.873+/-0.056 χ^2/NDF: 9542691.2/58

- sign 427.390+/-0.080 χ^2/NDF: 4894549.7/29

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -3.089+/-17.805 χ^2/NDF:30.4/12

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

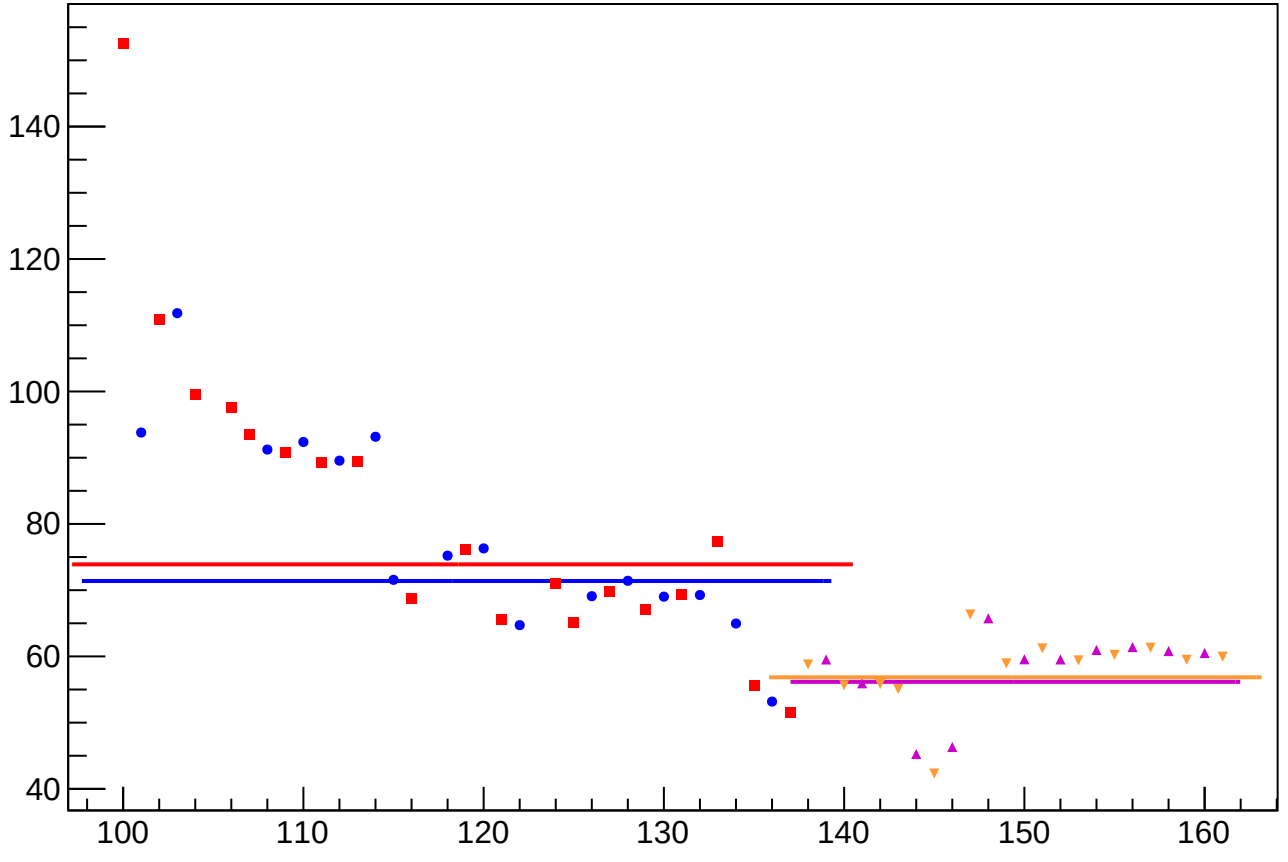
Left In: 31.323+/-18.365 χ^2/NDF:7.9/10

+ sign -20.985+/-14.899 χ^2/NDF: 47.3/28

All: 2.018+/-10.681 χ^2/NDF: 71.6/58

- sign 26.339+/-15.320 χ^2/NDF: 19.5/29

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.849+/-0.013 χ^2/NDF:261582.7/12

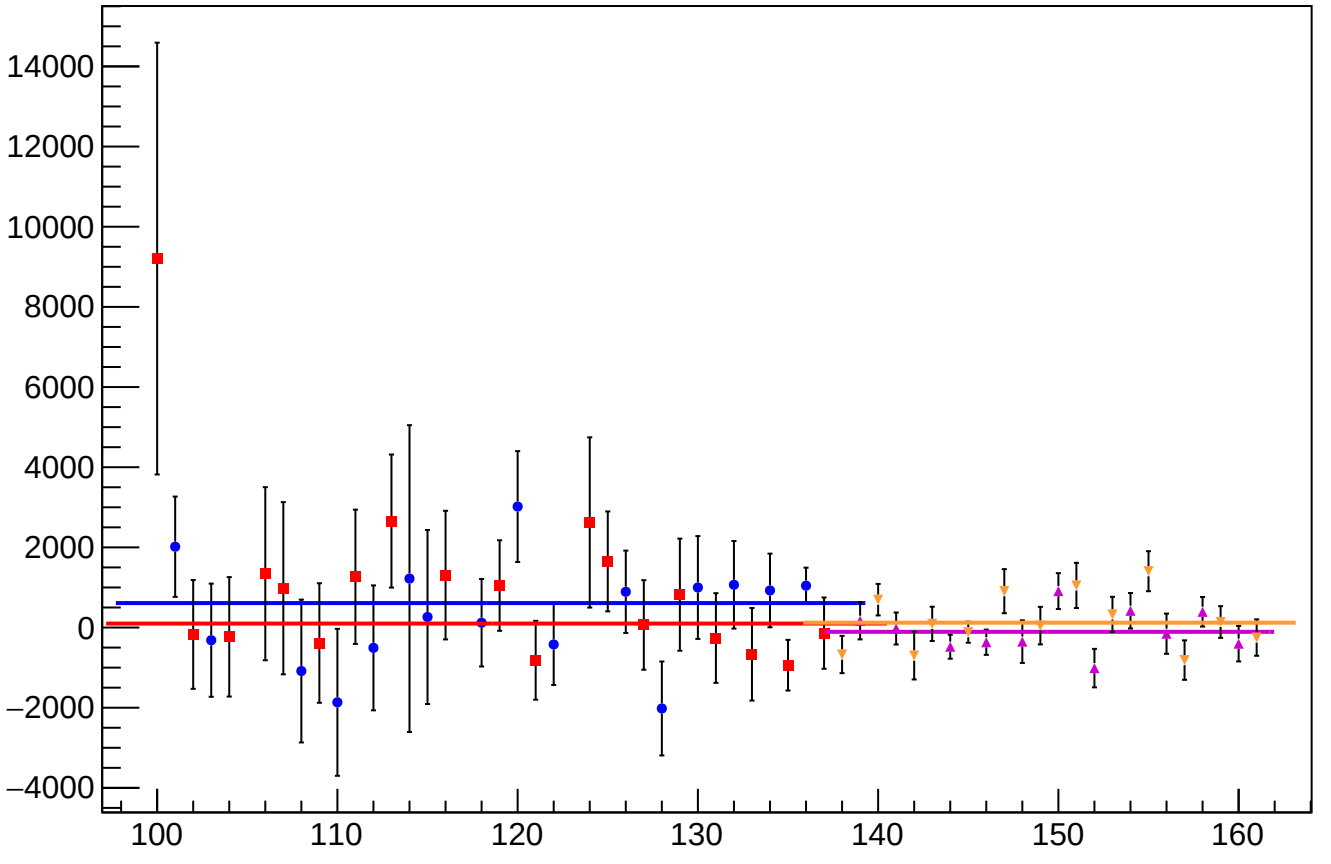
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.156+/-0.013 χ^2/NDF:274780.0/10

+ sign 61.206+/-0.011 χ^2/NDF: 1252000.8/28

All: 61.373+/-0.008 χ^2/NDF: 2721626.8/58

- sign 61.550+/-0.011 χ^2/NDF: 1469107.4/29



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 121.471+/-120.076 χ^2/NDF:23.7/12

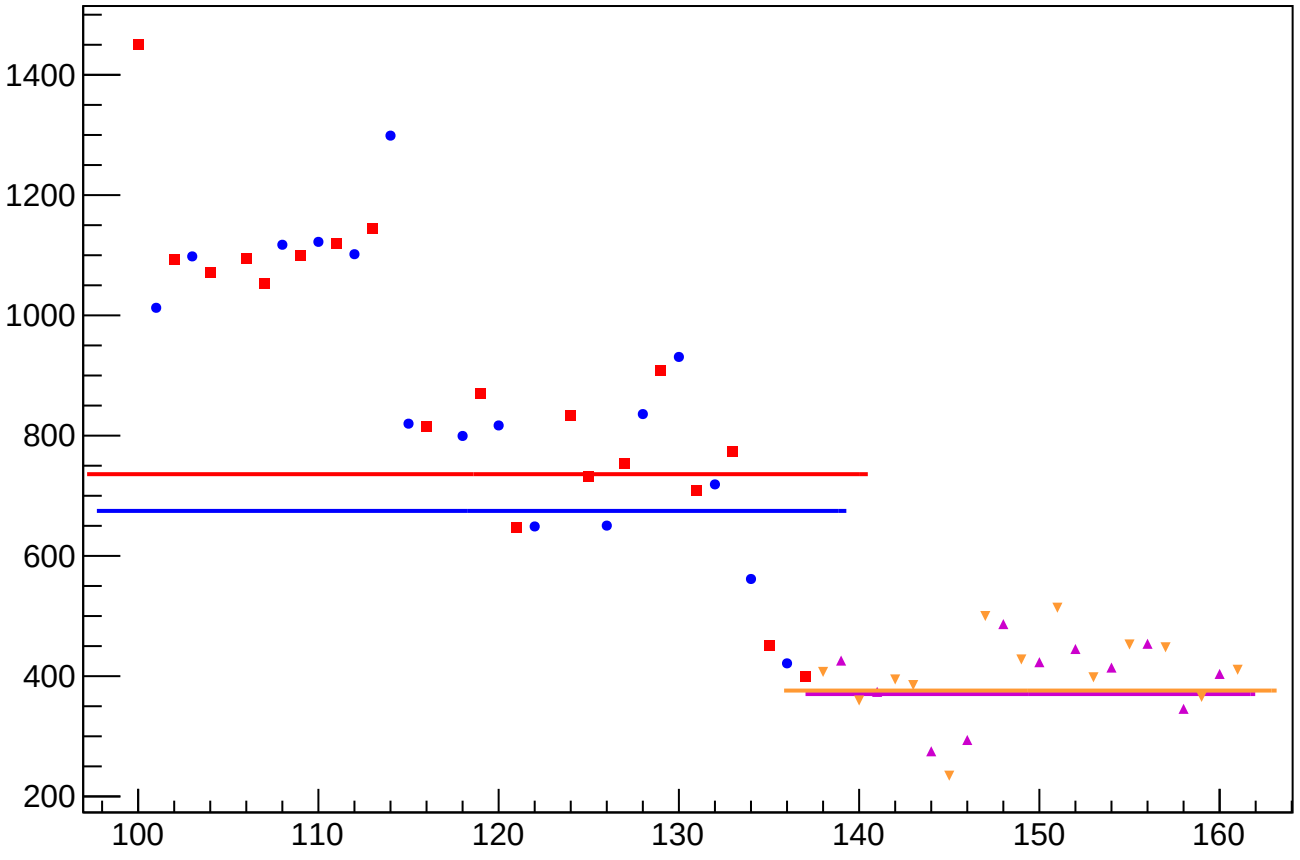
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -106.856+/-122.575 χ^2/NDF:15.2/10

+ sign 203.848+/-109.497 χ^2/NDF: 42.1/28

All: 68.501+/-78.497 χ^2/NDF: 76.1/58

- sign -74.603+/-112.592 χ^2/NDF: 30.8/29



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 376.061+/-0.085 χ^2/NDF:944883.2/12

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

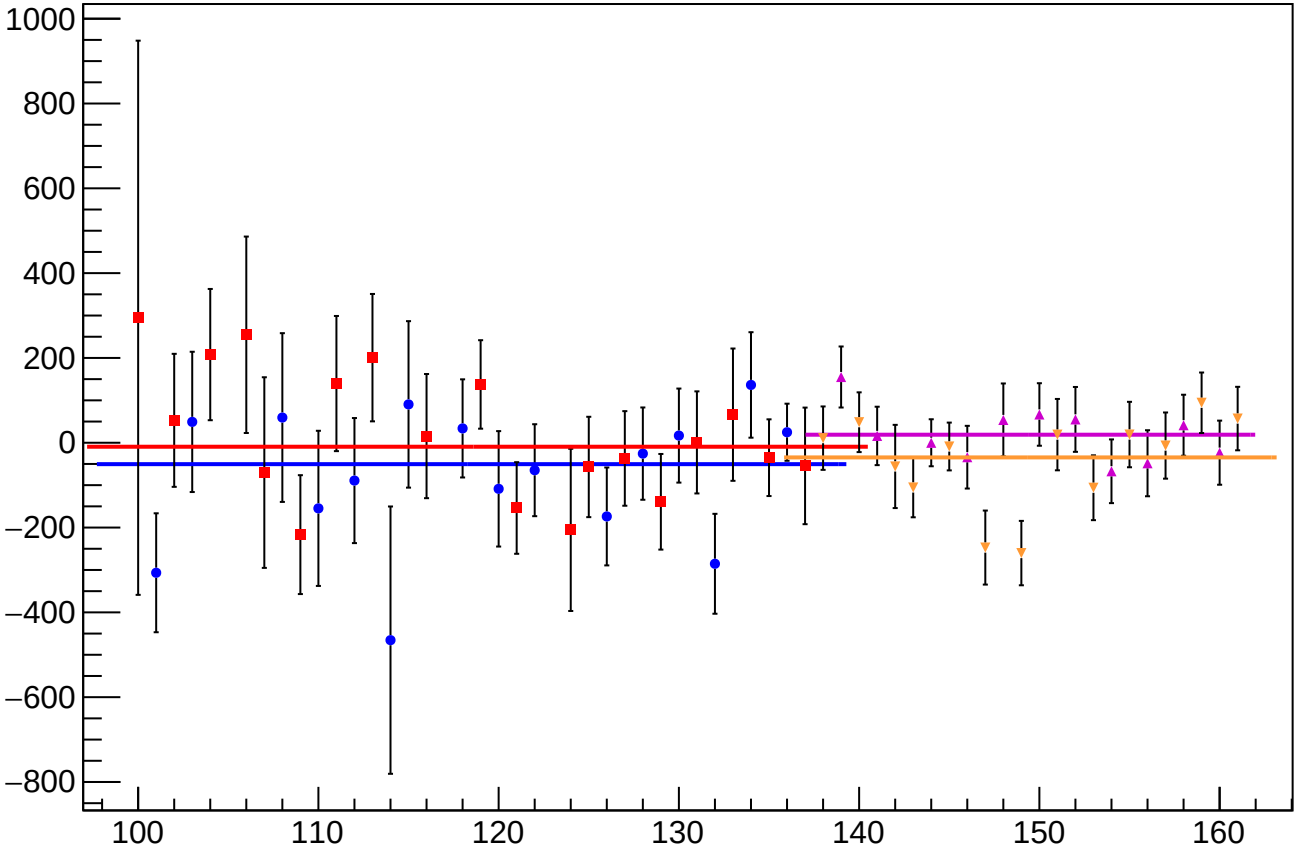
Left In: 370.252+/-0.087 χ^2/NDF:616330.4/10

+ sign 426.383+/-0.077 χ^2/NDF: 4648059.4/28

All: 426.873+/-0.056 χ^2/NDF: 9542691.2/58

- sign 427.390+/-0.080 χ^2/NDF: 4894549.7/29

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -34.580+/-20.736 χ^2/NDF:24.5/12

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

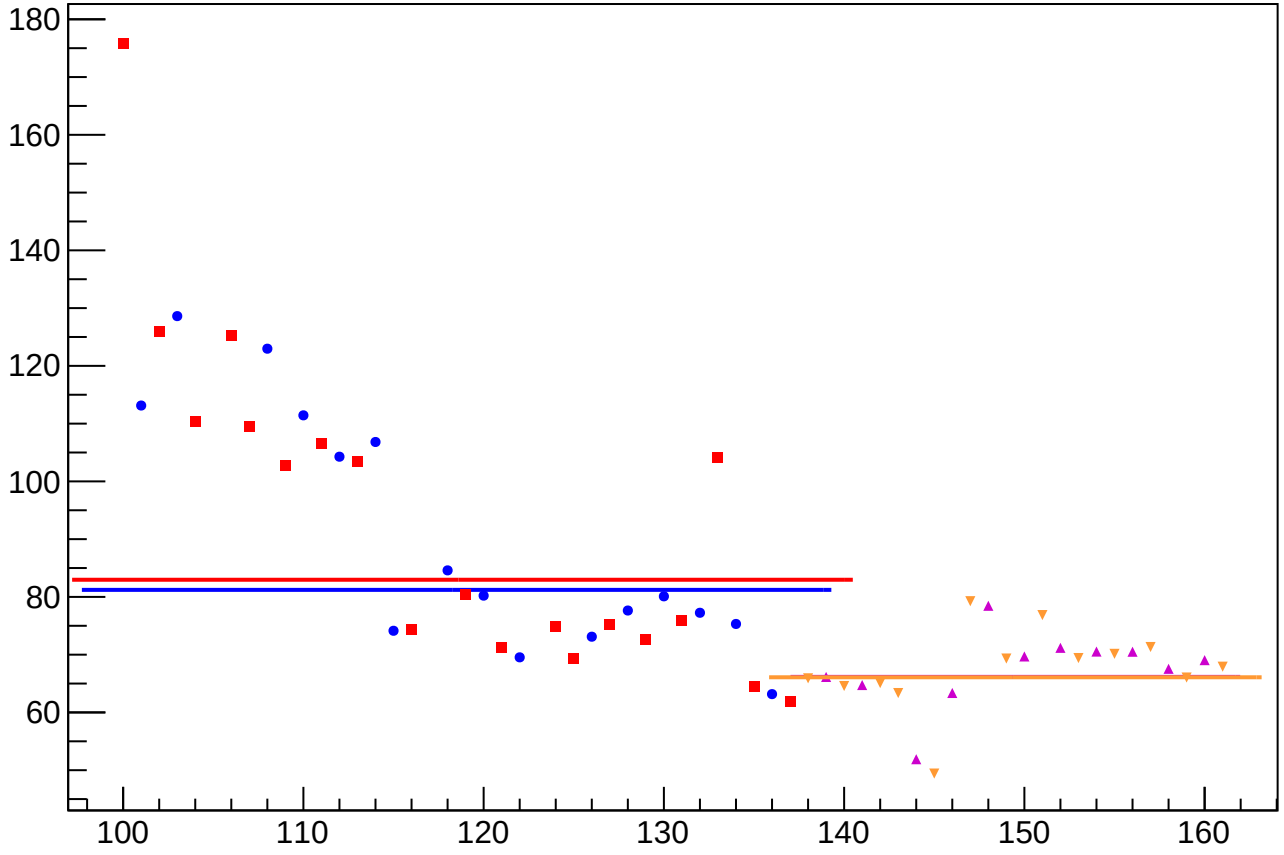
Left In: 18.957+/-21.756 χ^2/NDF:7.5/10

+ sign -39.477+/-17.246 χ^2/NDF: 41.1/28

All: -15.738+/-12.404 χ^2/NDF: 68.6/58

- sign 9.700+/-17.852 χ^2/NDF: 23.6/29

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 66.086+/-0.015 χ^2/NDF:280638.3/12

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

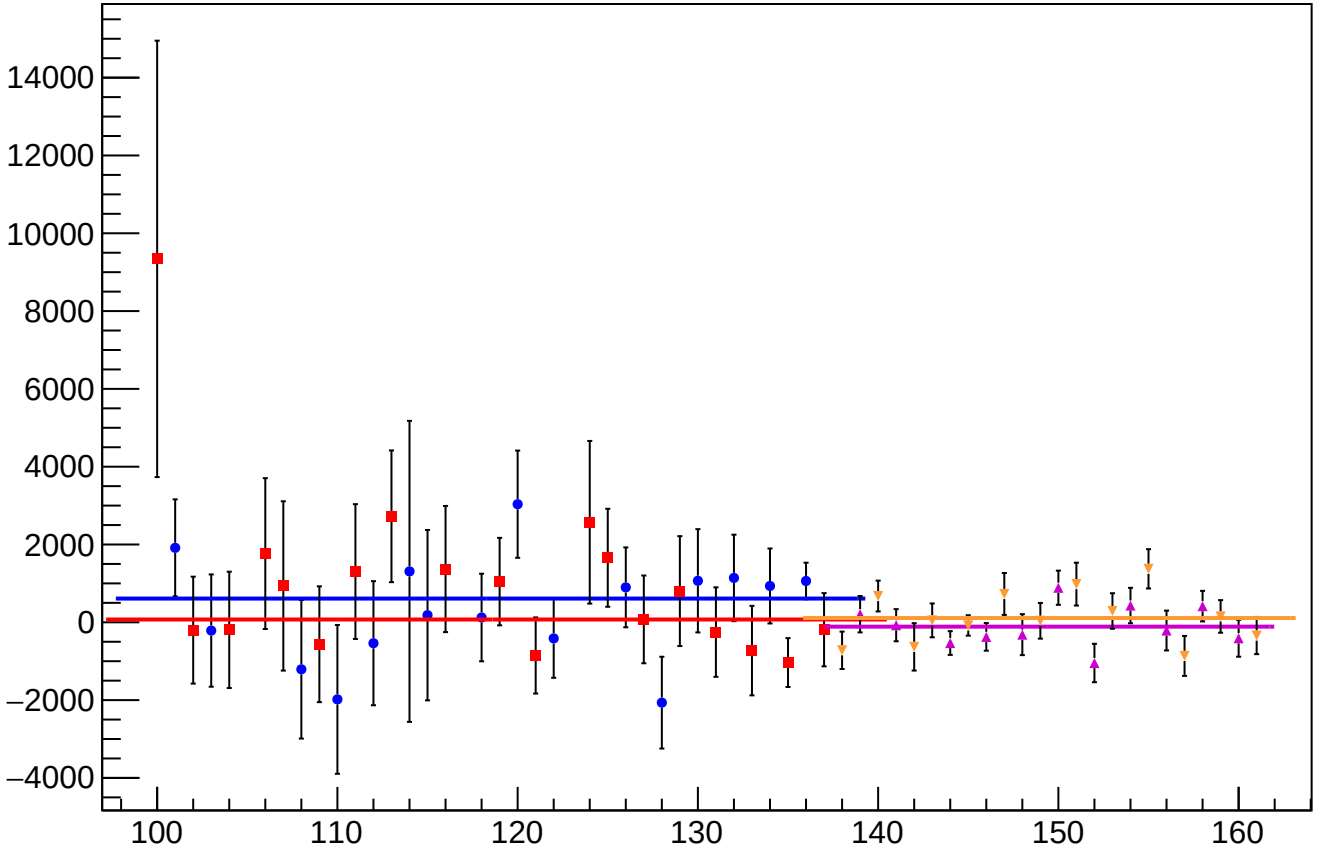
Left In: 66.155+/-0.015 χ^2/NDF:206902.5/10

+ sign 70.751+/-0.012 χ^2/NDF: 1271859.0/28

All: 71.184+/-0.009 χ^2/NDF: 2602088.8/58

- sign 71.648+/-0.013 χ^2/NDF: 1327615.0/29

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 109.846+/-121.919 χ^2/NDF:21.8/12

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

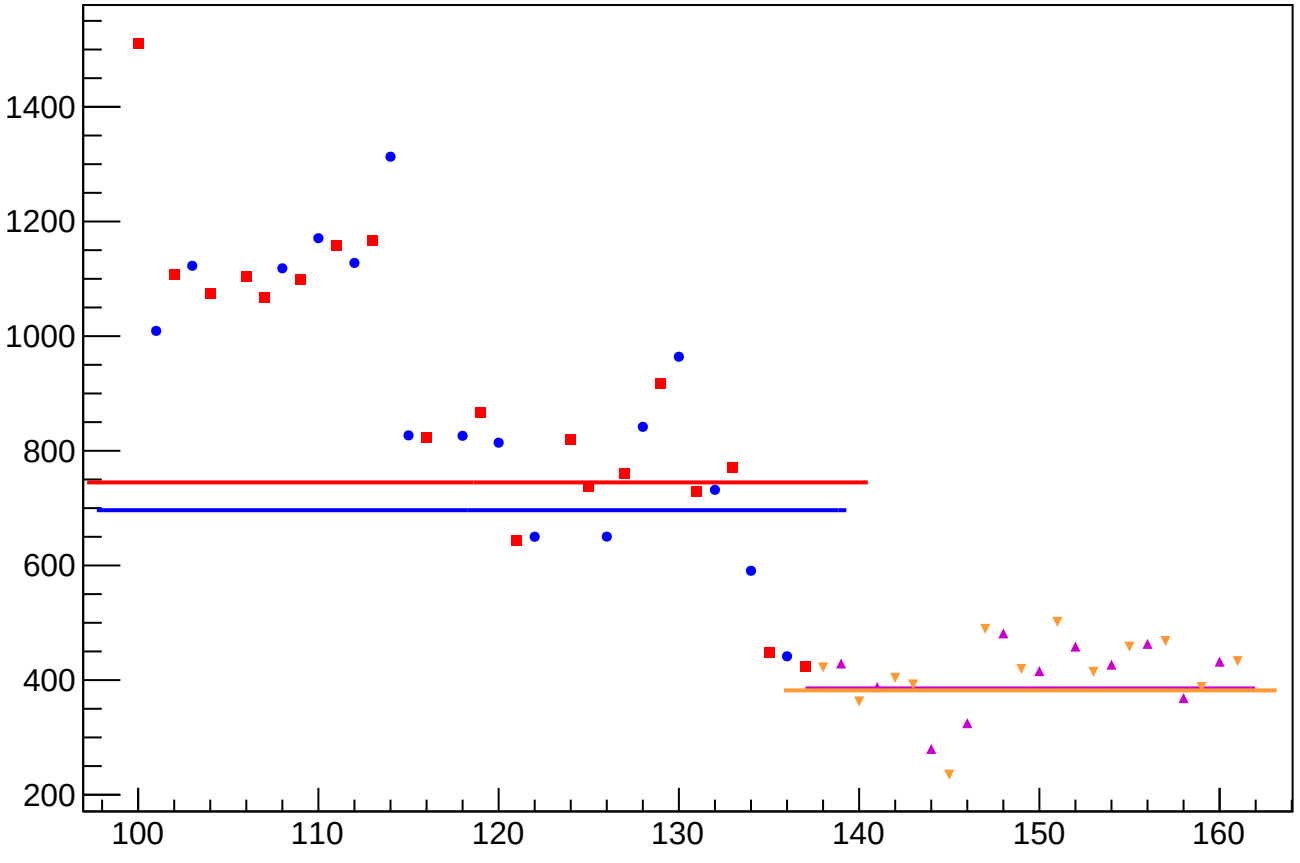
Left In: -111.591+/-127.484 χ^2/NDF:15.5/10

+ sign 192.578+/-111.388 χ^2/NDF: 40.4/28

All: 61.795+/-80.509 χ^2/NDF: 75.3/58

- sign -81.255+/-116.496 χ^2/NDF: 32.0/29

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 382.079+/-0.086 χ^2/NDF:972302.7/12

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

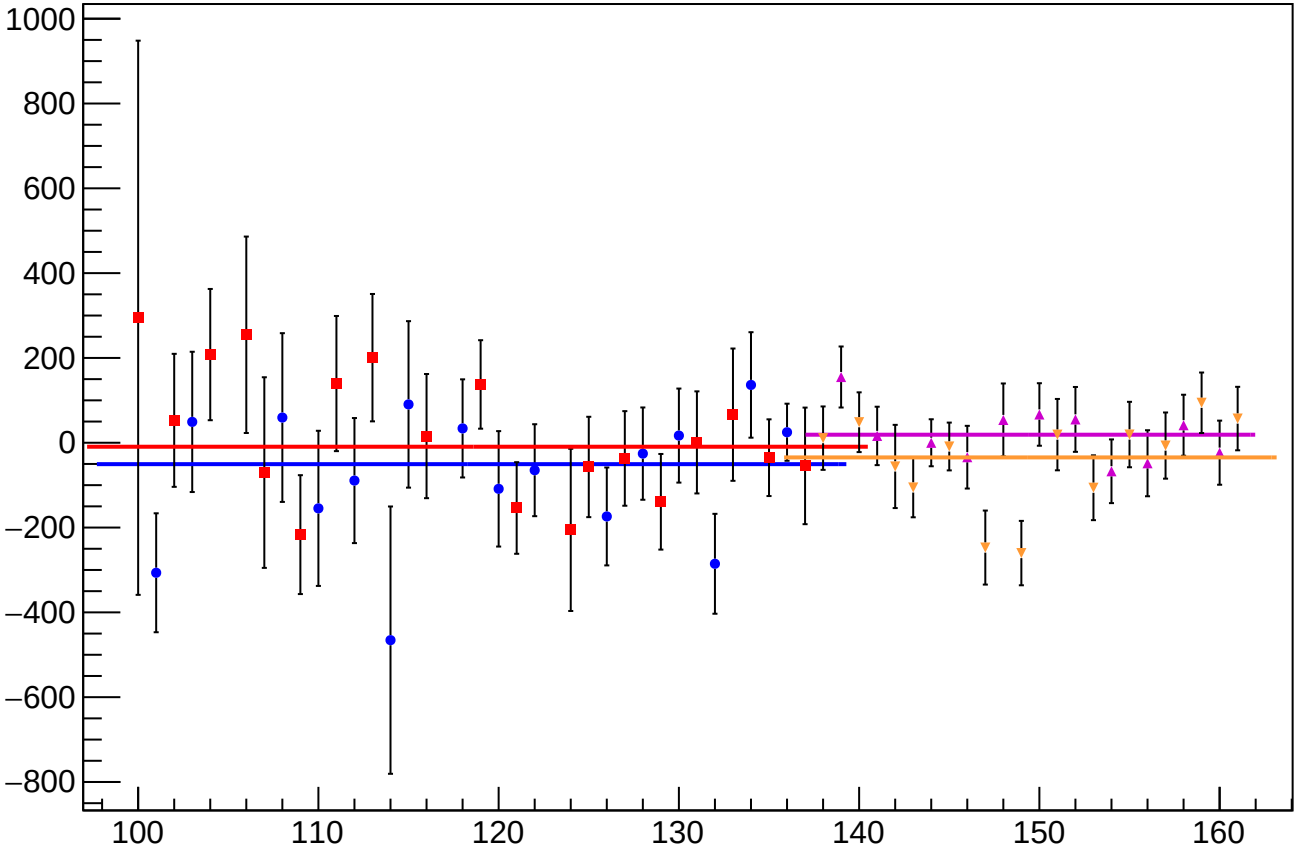
Left In: 385.513+/-0.090 χ^2/NDF:520292.9/10

+ sign 434.027+/-0.079 χ^2/NDF: 4684581.0/28

All: 439.168+/-0.057 χ^2/NDF: 9333683.8/58

- sign 444.792+/-0.082 χ^2/NDF: 4640181.4/29

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -34.580+/-20.736 χ^2/NDF:24.5/12

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

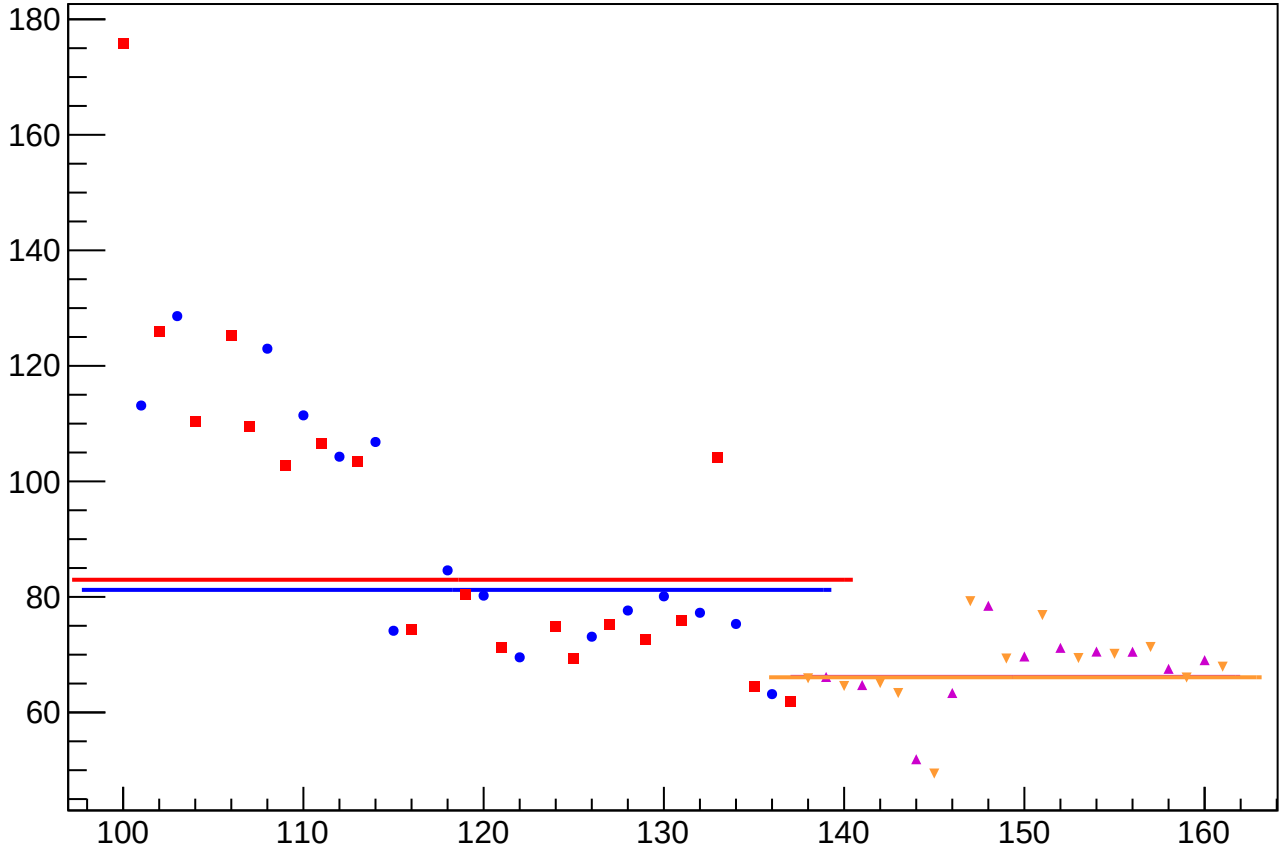
Left In: 18.956+/-21.756 χ^2/NDF:7.5/10

+ sign -39.477+/-17.246 χ^2/NDF: 41.1/28

All: -15.738+/-12.404 χ^2/NDF: 68.6/58

- sign 9.699+/-17.852 χ^2/NDF: 23.6/29

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 66.086+/-0.015 χ^2/NDF:280632.6/12

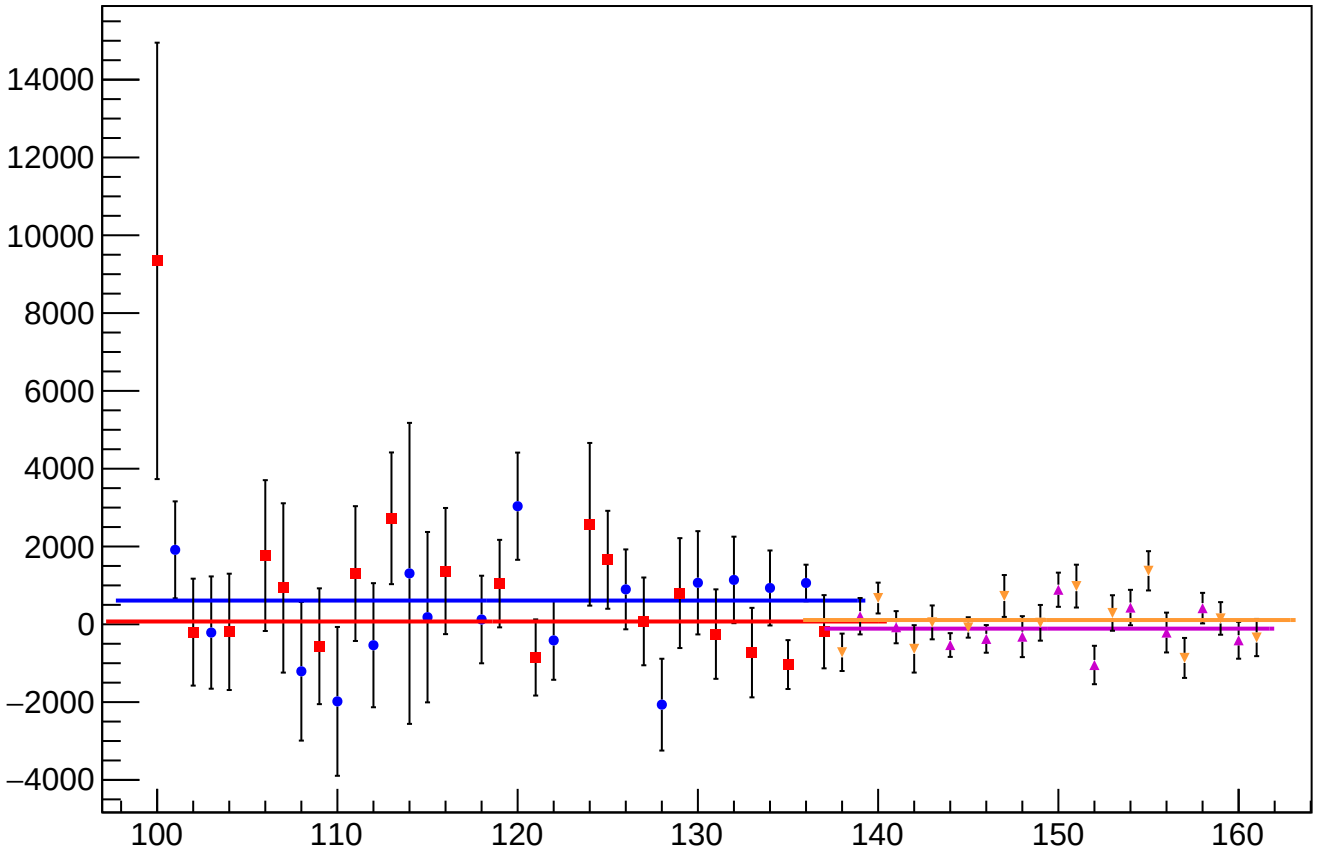
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 66.155+/-0.015 χ^2/NDF:206900.3/10

+ sign 70.751+/-0.012 χ^2/NDF: 1271815.9/28

All: 71.184+/-0.009 χ^2/NDF: 2602013.7/58

- sign 71.648+/-0.013 χ^2/NDF: 1327582.7/29



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 109.845+/-121.919 χ^2/NDF:21.8/12

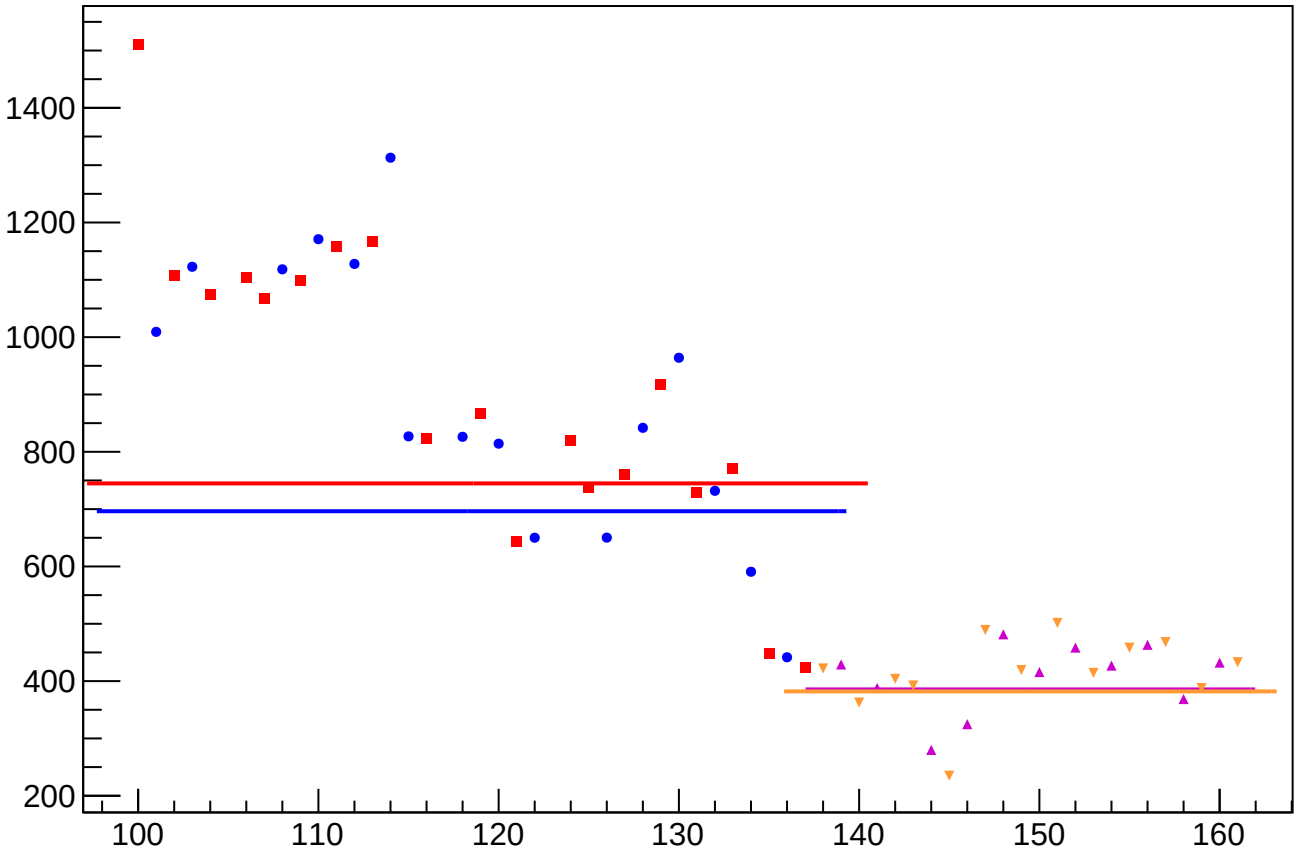
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -111.591+/-127.484 χ^2/NDF:15.5/10

+ sign 192.577+/-111.388 χ^2/NDF: 40.4/28

All: 61.795+/-80.509 χ^2/NDF: 75.3/58

- sign -81.255+/-116.496 χ^2/NDF: 32.0/29



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 382.079+/-0.086 χ^2/NDF:972322.8/12

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

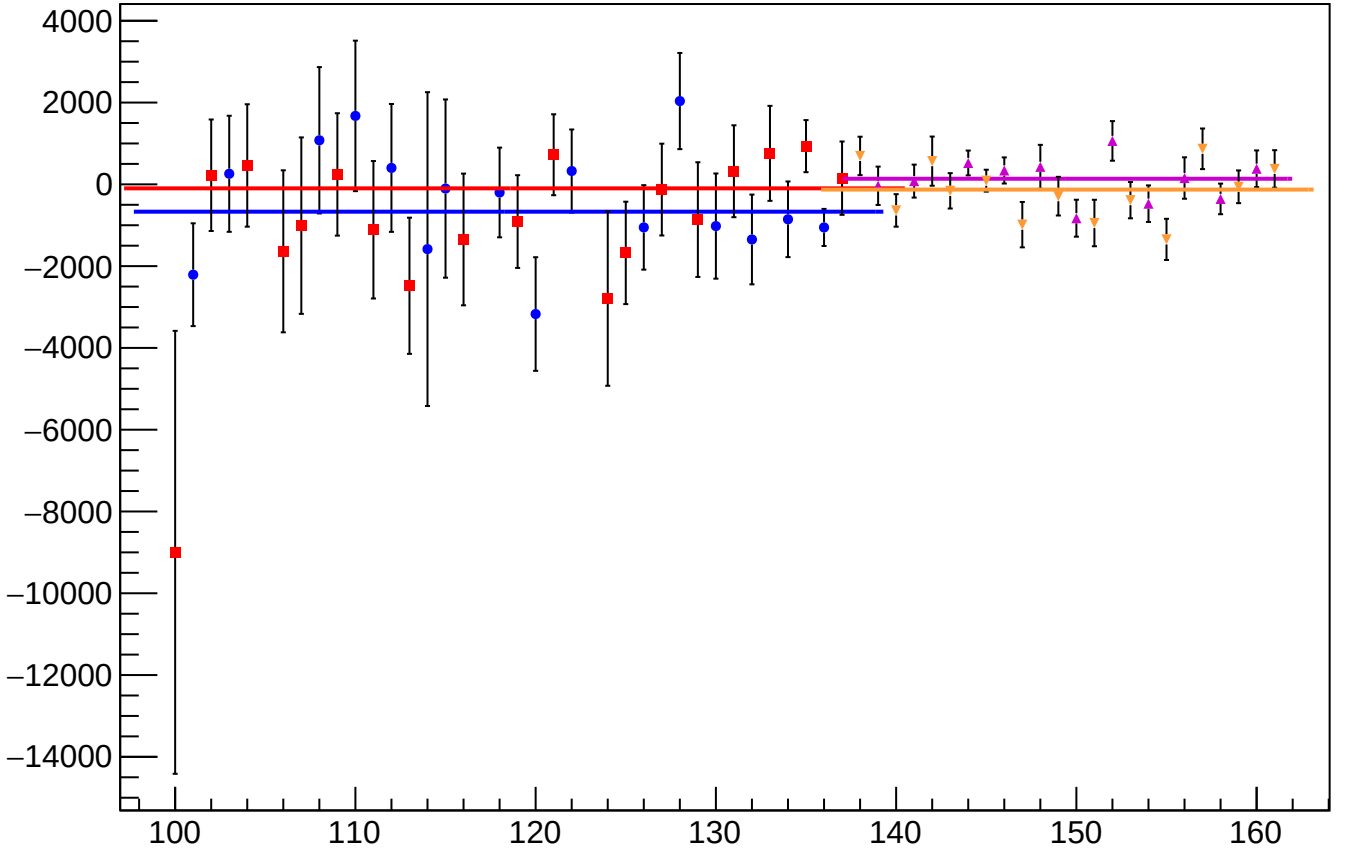
Left In: 385.513+/-0.090 χ^2/NDF:520301.1/10

+ sign 434.027+/-0.079 χ^2/NDF: 4684580.8/28

All: 439.168+/-0.057 χ^2/NDF: 9333669.0/58

- sign 444.792+/-0.082 χ^2/NDF: 4640166.4/29

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -127.883+/-121.480 χ^2/NDF:22.7/12

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

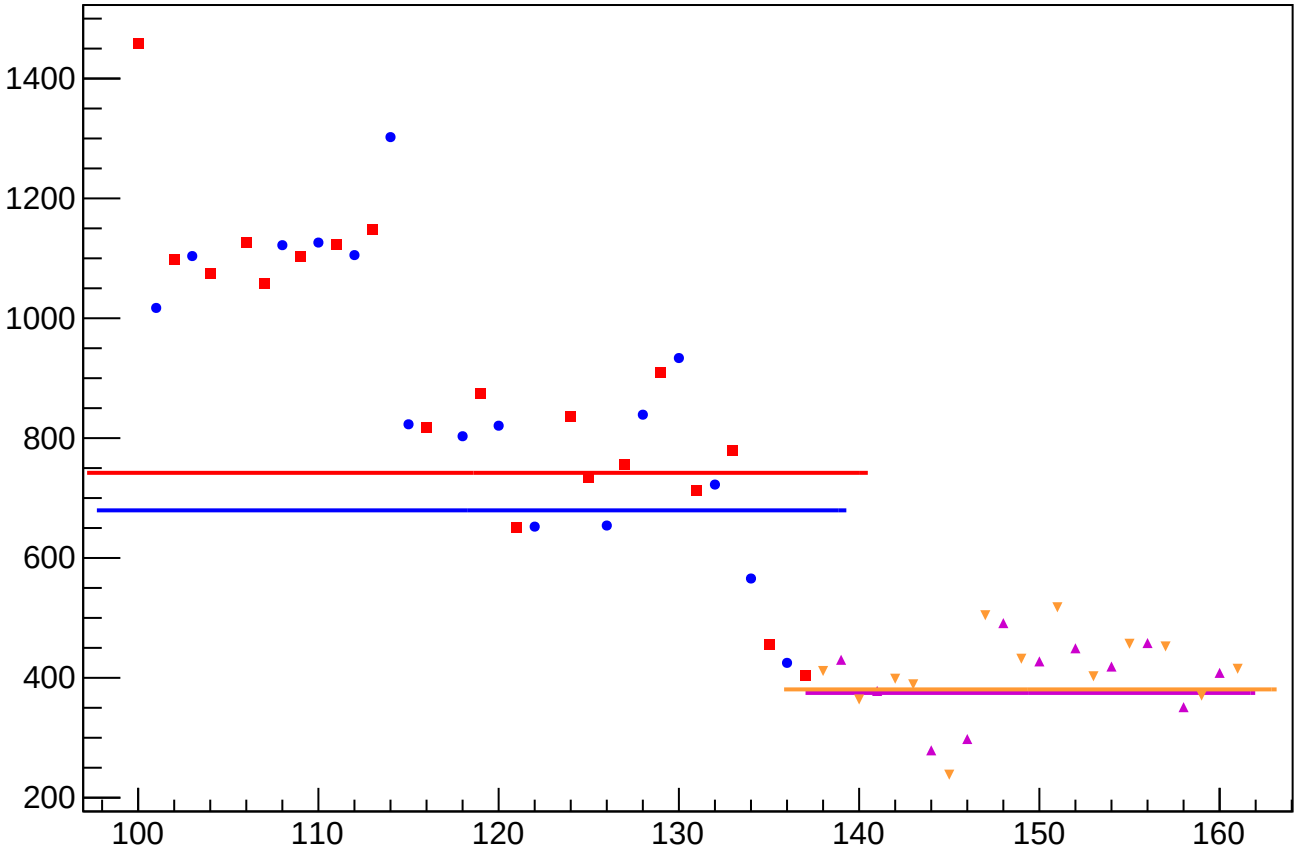
Left In: 136.830+/-124.029 χ^2/NDF:14.6/10

+ sign -219.772+/-110.676 χ^2/NDF: 42.2/28

All: -64.490+/-79.335 χ^2/NDF: 76.3/58

- sign 99.630+/-113.782 χ^2/NDF: 30.0/29

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 380.711+/-0.086 χ^2/NDF:922360.9/12

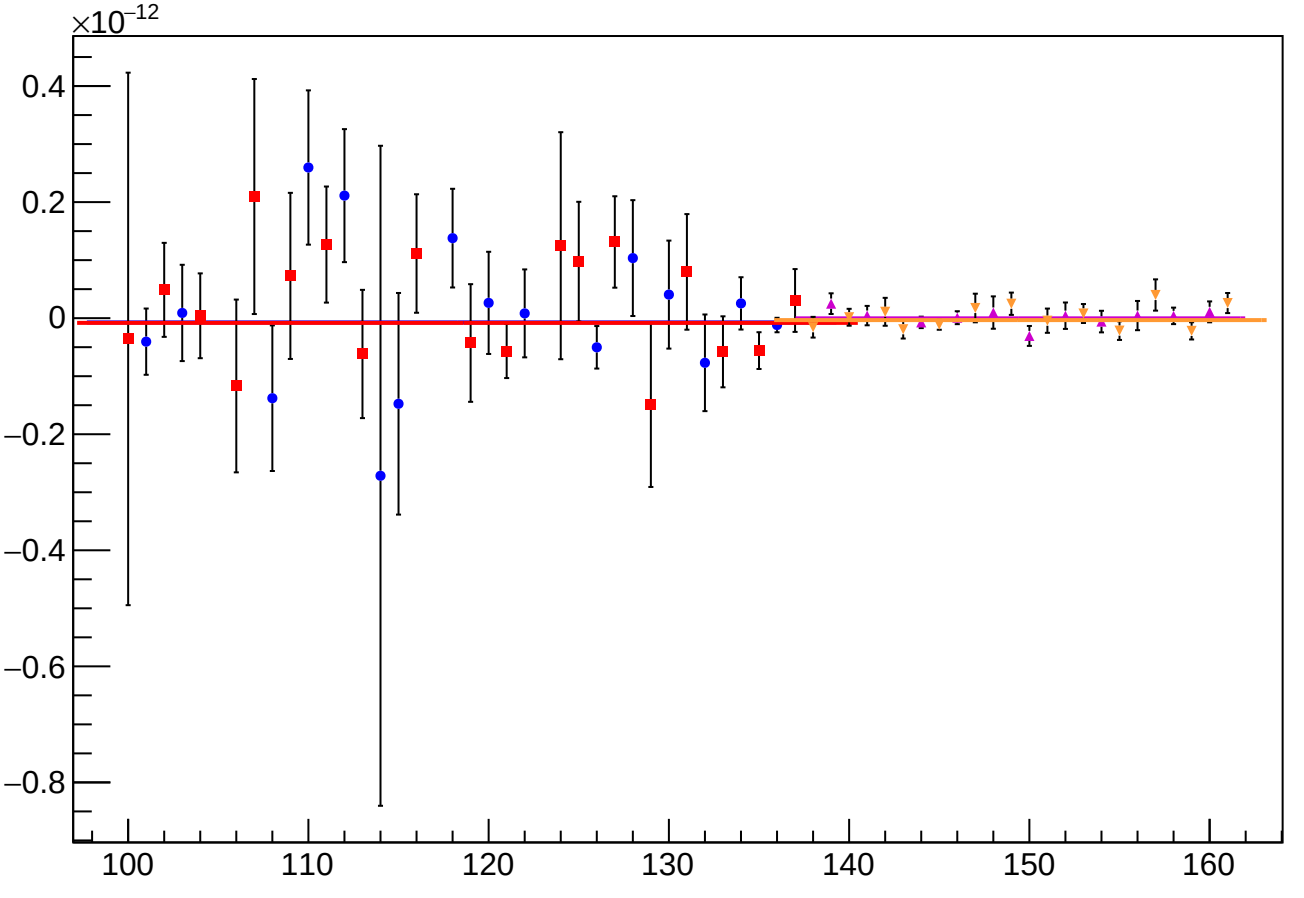
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 374.814+/-0.088 χ^2/NDF:604058.3/10

+ sign 431.491+/-0.078 χ^2/NDF: 4579308.1/28

All: 432.221+/-0.056 χ^2/NDF: 9465868.1/58

- sign 432.992+/-0.080 χ^2/NDF: 4886381.1/29



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/12

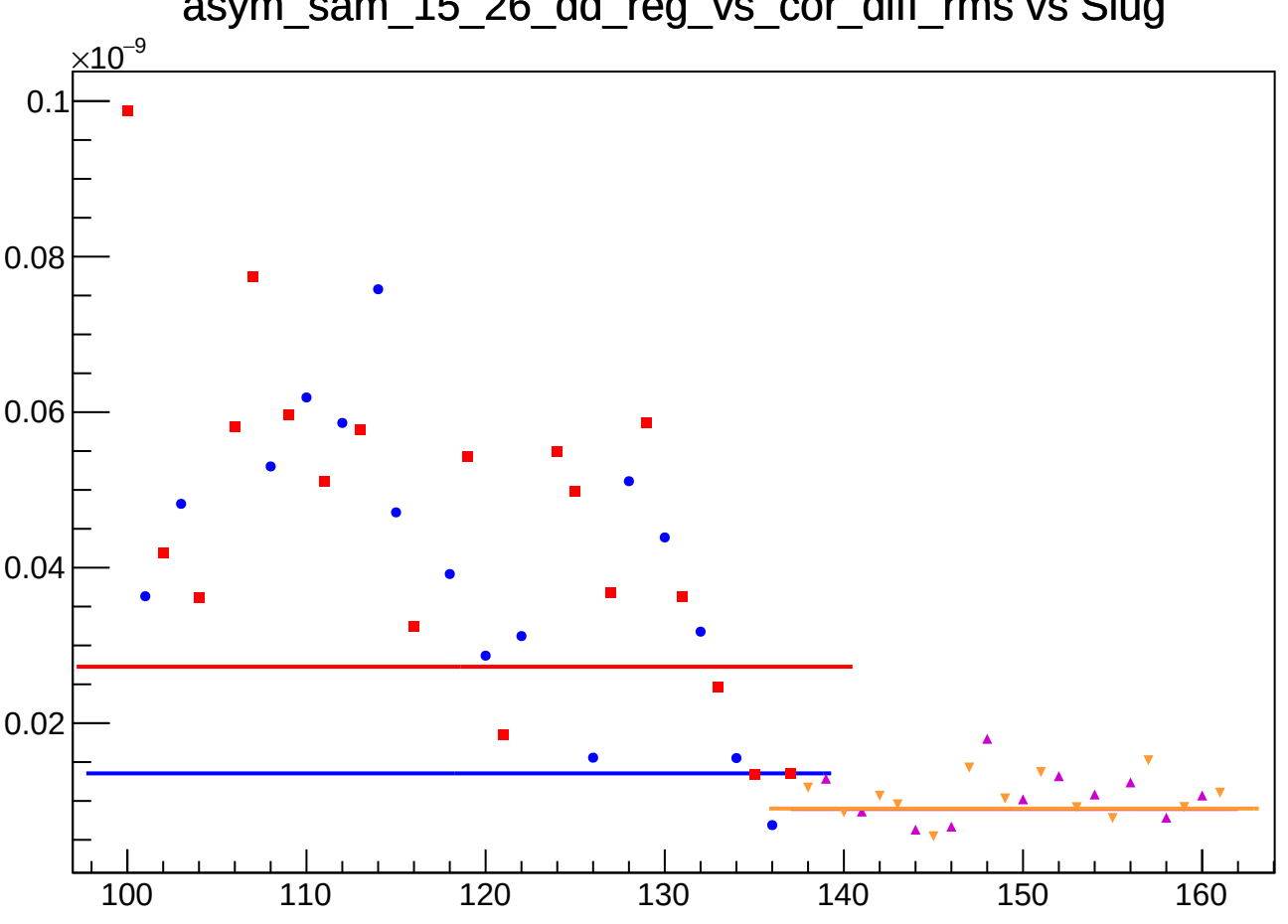
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 31.7/28

All: -0.000+/-0.000 χ^2/NDF: 55.6/58

- sign -0.000+/-0.000 χ^2/NDF: 23.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:736424.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

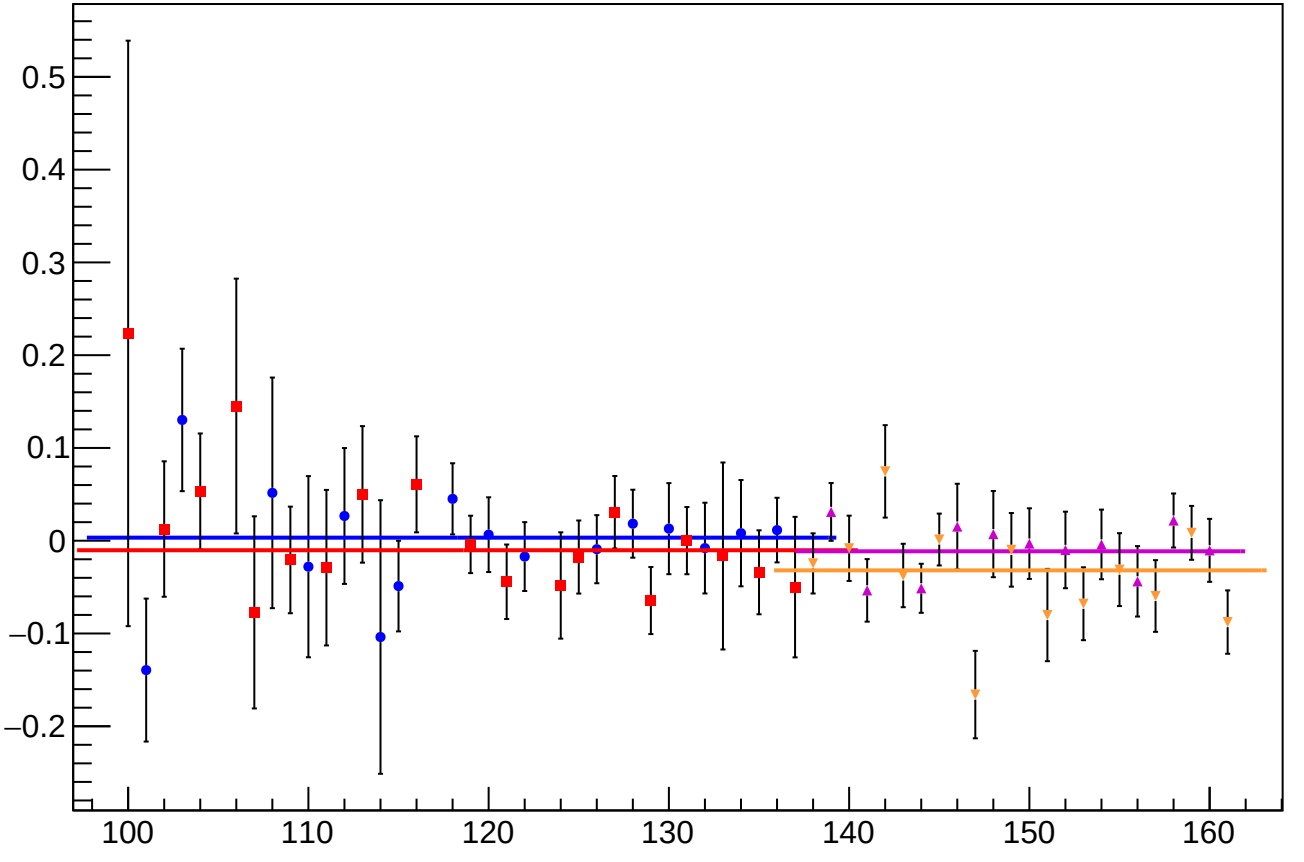
Left In: 0.000+/-0.000 χ^2/NDF:700739.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 4098032.0/28

All: 0.000+/-0.000 χ^2/NDF: 8624327.7/58

- sign 0.000+/-0.000 χ^2/NDF: 4511339.1/29

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: -0.032+/-0.010 χ^2/NDF:21.8/12

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

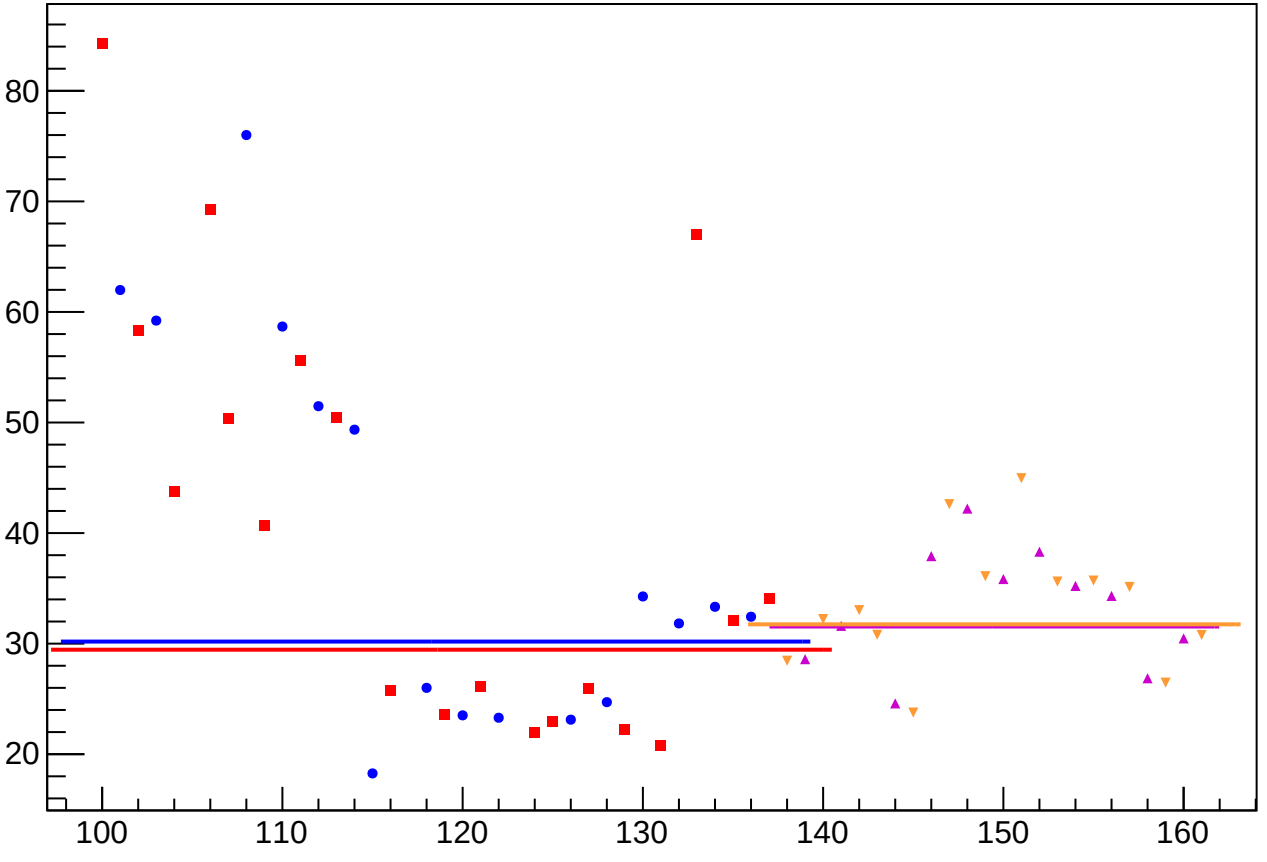
Left In: -0.011+/-0.011 χ^2/NDF:8.3/10

+ sign -0.018+/-0.008 χ^2/NDF: 36.8/28

All: -0.014+/-0.006 χ^2/NDF: 56.8/58

- sign -0.011+/-0.008 χ^2/NDF: 19.5/29

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: 31.747+/-0.007 χ^2/NDF:580931.1/12

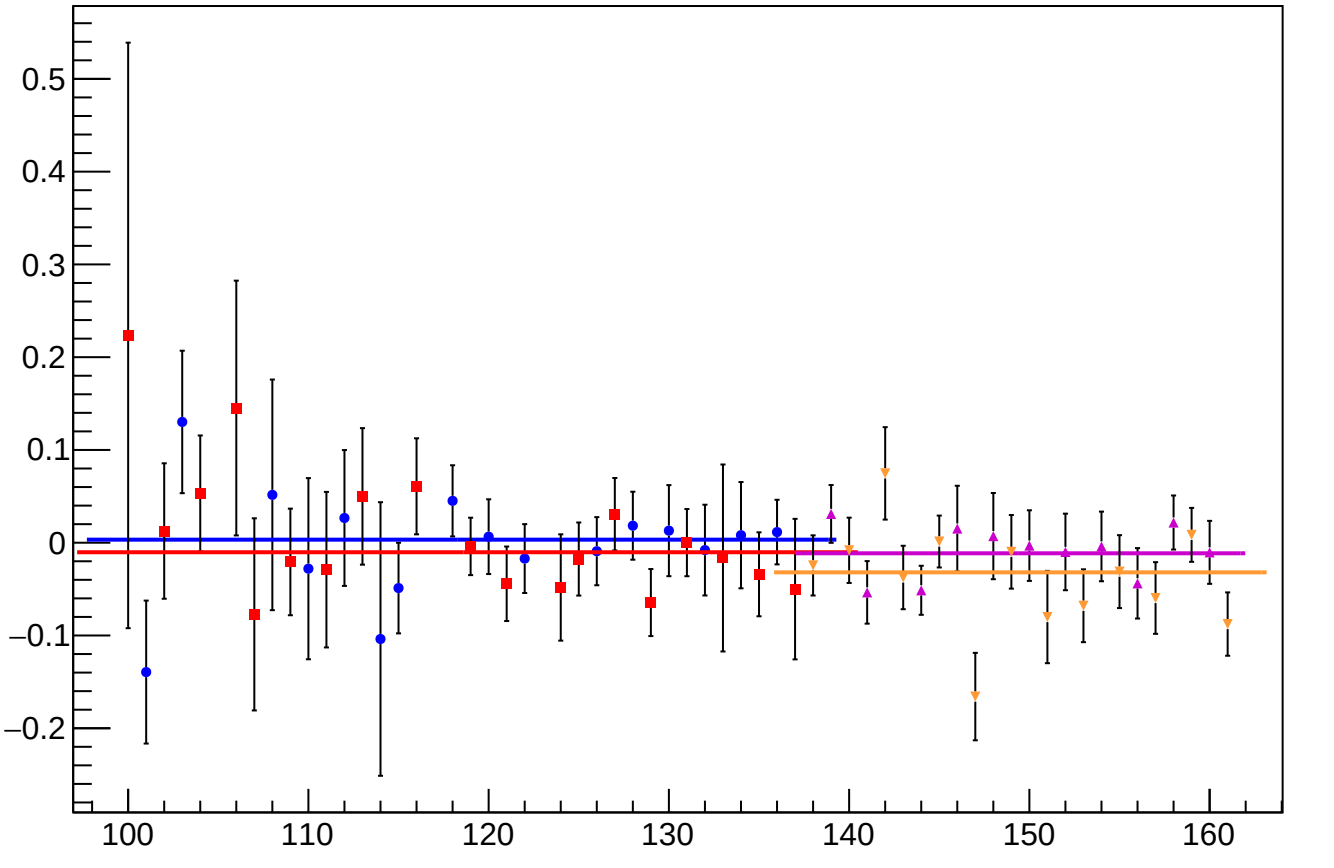
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.549+/-0.007 χ^2/NDF:462408.9/10

+ sign 31.117+/-0.006 χ^2/NDF: 2287553.3/28

All: 30.870+/-0.004 χ^2/NDF: 4637728.7/58

- sign 30.619+/-0.006 χ^2/NDF: 2346139.7/29



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.032+/-0.010 χ^2/NDF:21.8/12

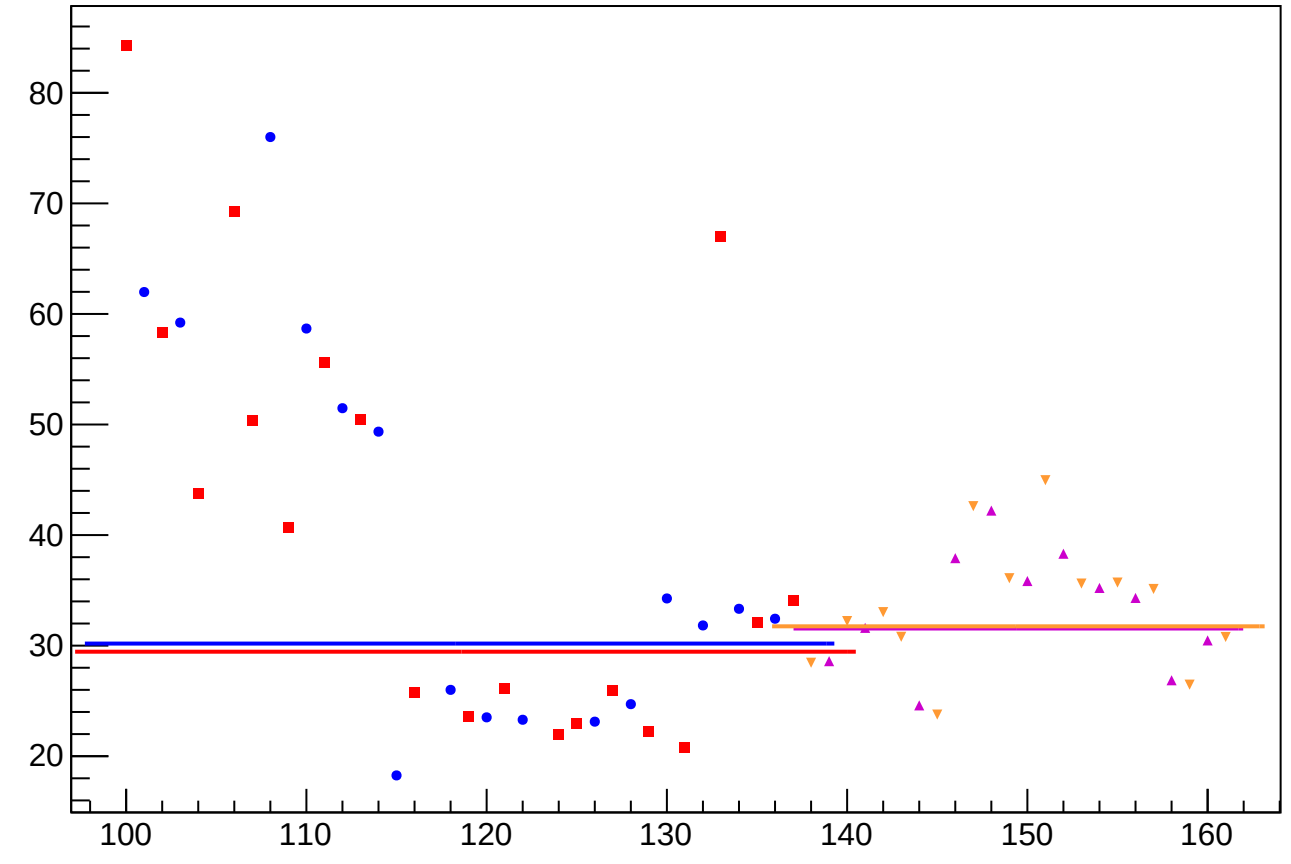
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.011+/-0.011 χ^2/NDF:8.3/10

+ sign -0.018+/-0.008 χ^2/NDF: 36.8/28

All: -0.014+/-0.006 χ^2/NDF: 56.8/58

- sign -0.011+/-0.008 χ^2/NDF: 19.5/29



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.747+/-0.007 χ^2/NDF:580931.1/12

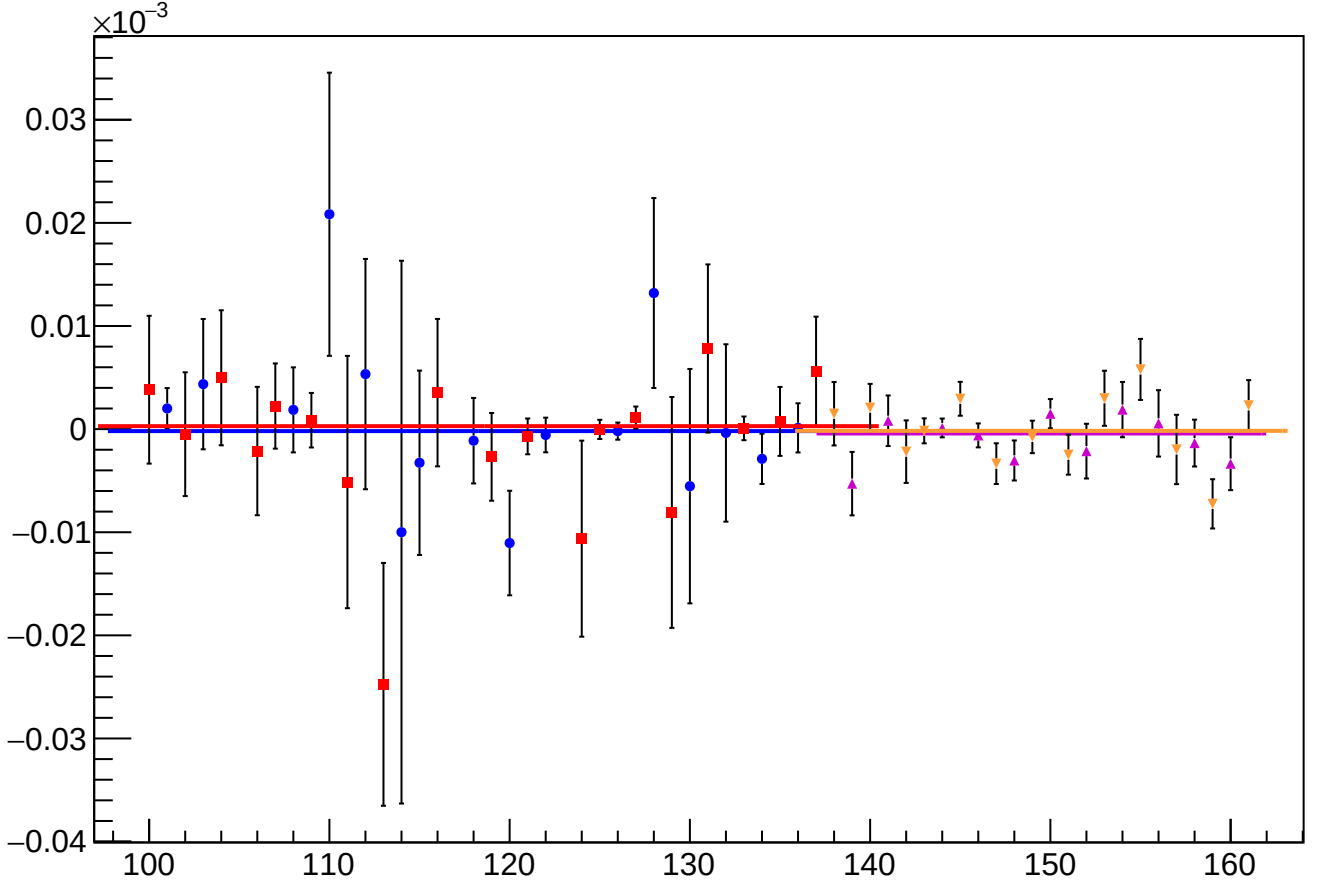
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.549+/-0.007 χ^2/NDF:462408.9/10

+ sign 31.117+/-0.006 χ^2/NDF: 2287553.3/28

All: 30.870+/-0.004 χ^2/NDF: 4637728.7/58

- sign 30.619+/-0.006 χ^2/NDF: 2346139.7/29



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/12

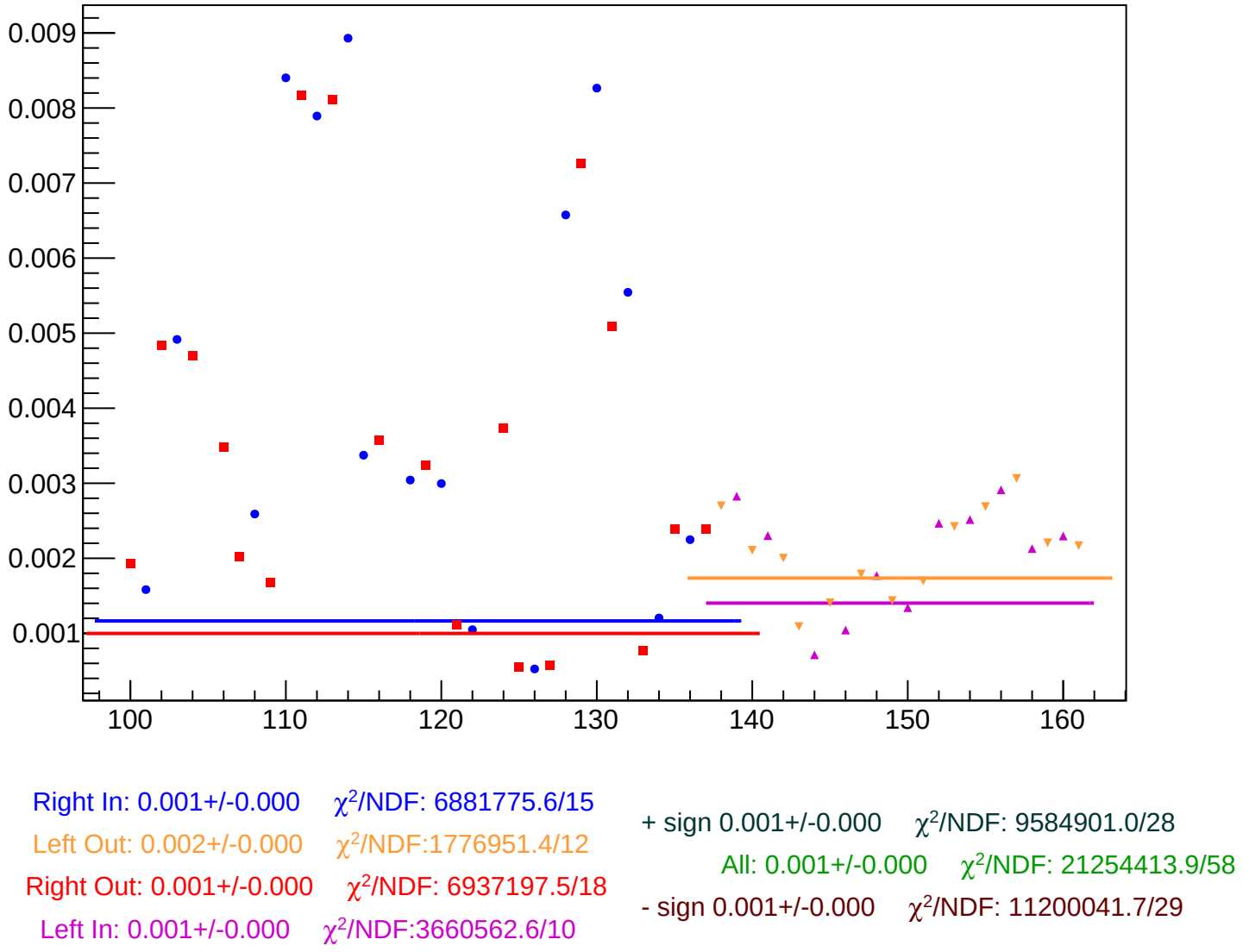
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

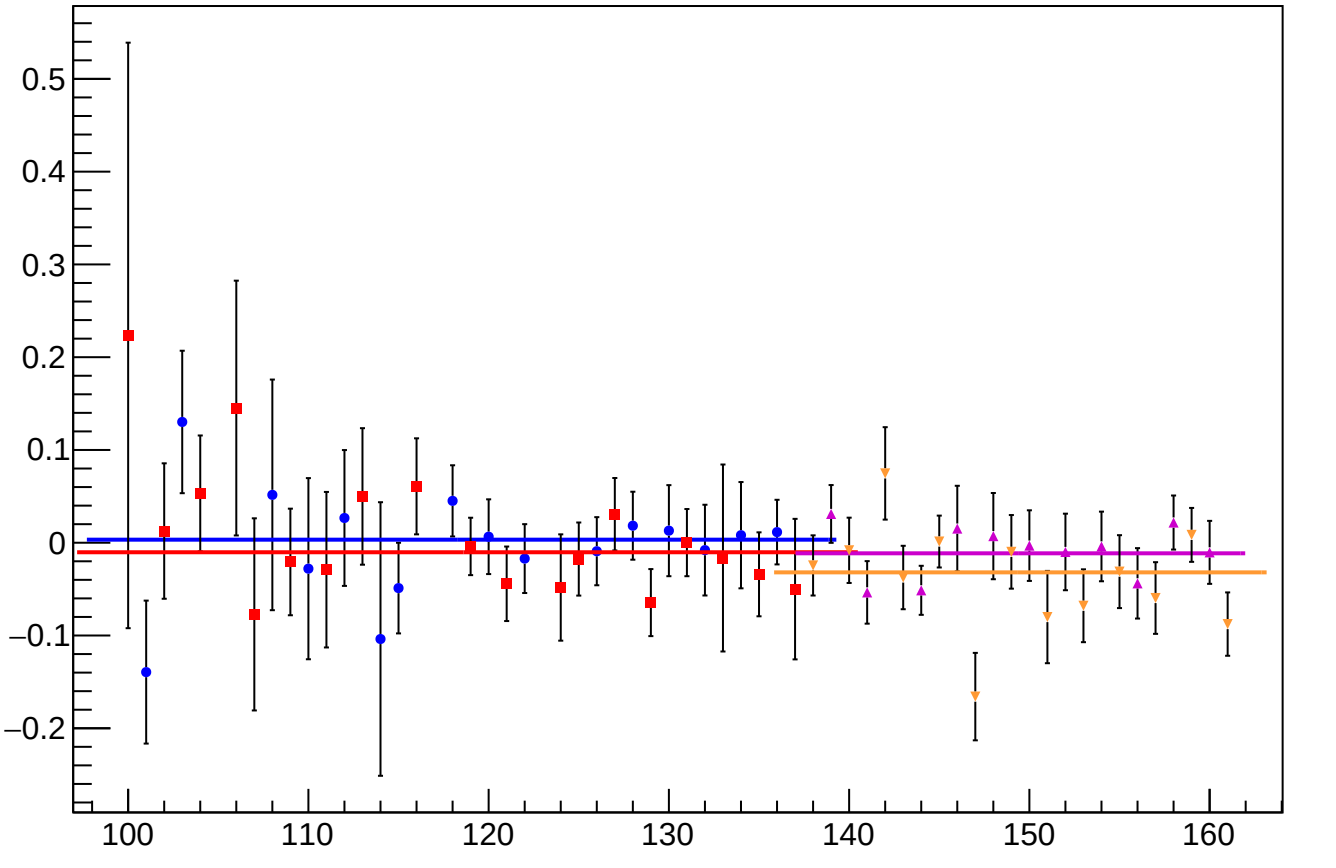
Left In: -0.000+/-0.000 χ^2/NDF:9.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 38.1/28

All: -0.000+/-0.000 χ^2/NDF: 60.0/58

- sign -0.000+/-0.000 χ^2/NDF: 21.8/29


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:1776951.4/12
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.001+/-0.000 χ²/NDF:3660562.6/10
+ sign 0.001+/-0.000 χ²/NDF: 9584901.0/28
All: 0.001+/-0.000 χ²/NDF: 21254413.9/58
- sign 0.001+/-0.000 χ²/NDF: 11200041.7/29



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.032+/-0.010 χ^2/NDF:21.8/12

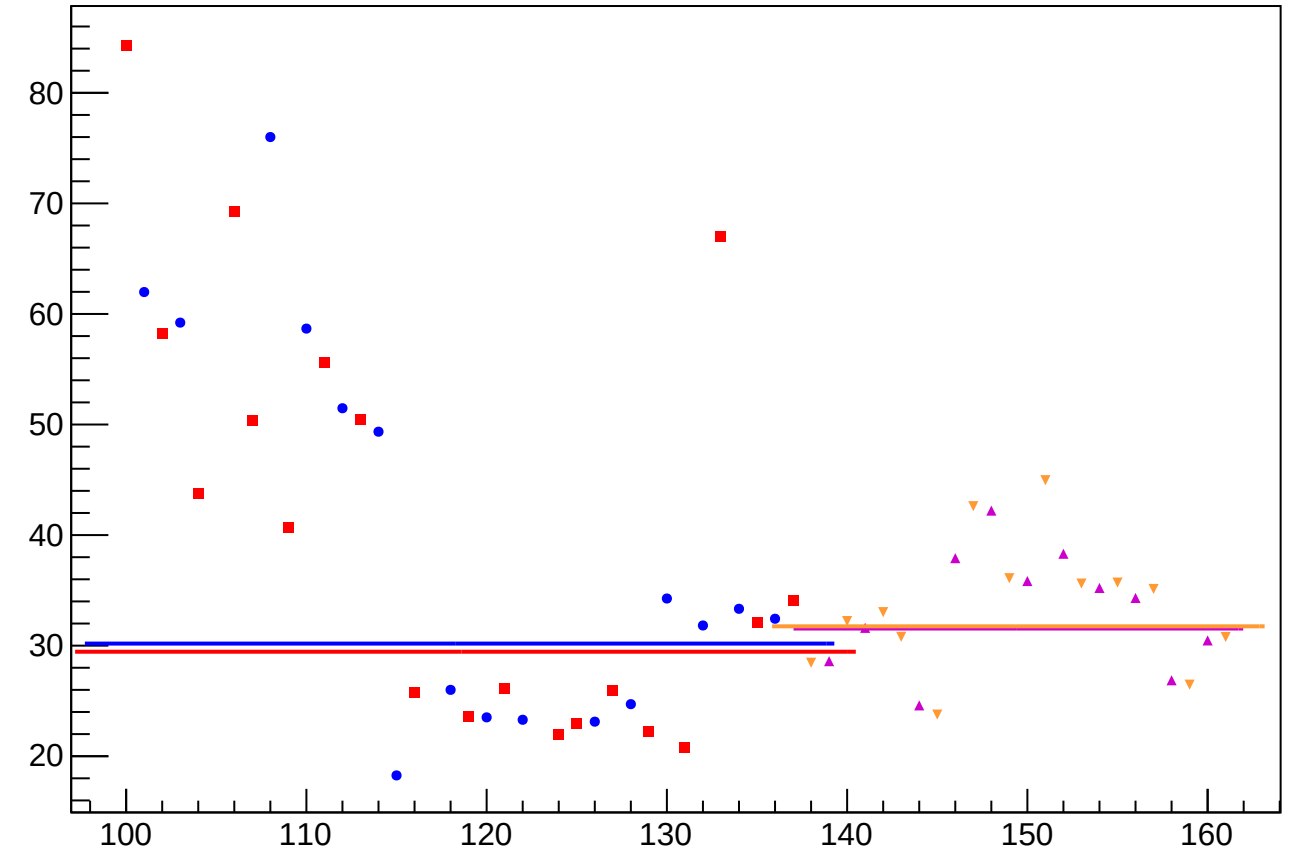
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.011+/-0.011 χ^2/NDF:8.3/10

+ sign -0.018+/-0.008 χ^2/NDF: 36.8/28

All: -0.014+/-0.006 χ^2/NDF: 56.8/58

- sign -0.011+/-0.008 χ^2/NDF: 19.6/29



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.747+/-0.007 χ^2/NDF:580904.7/12

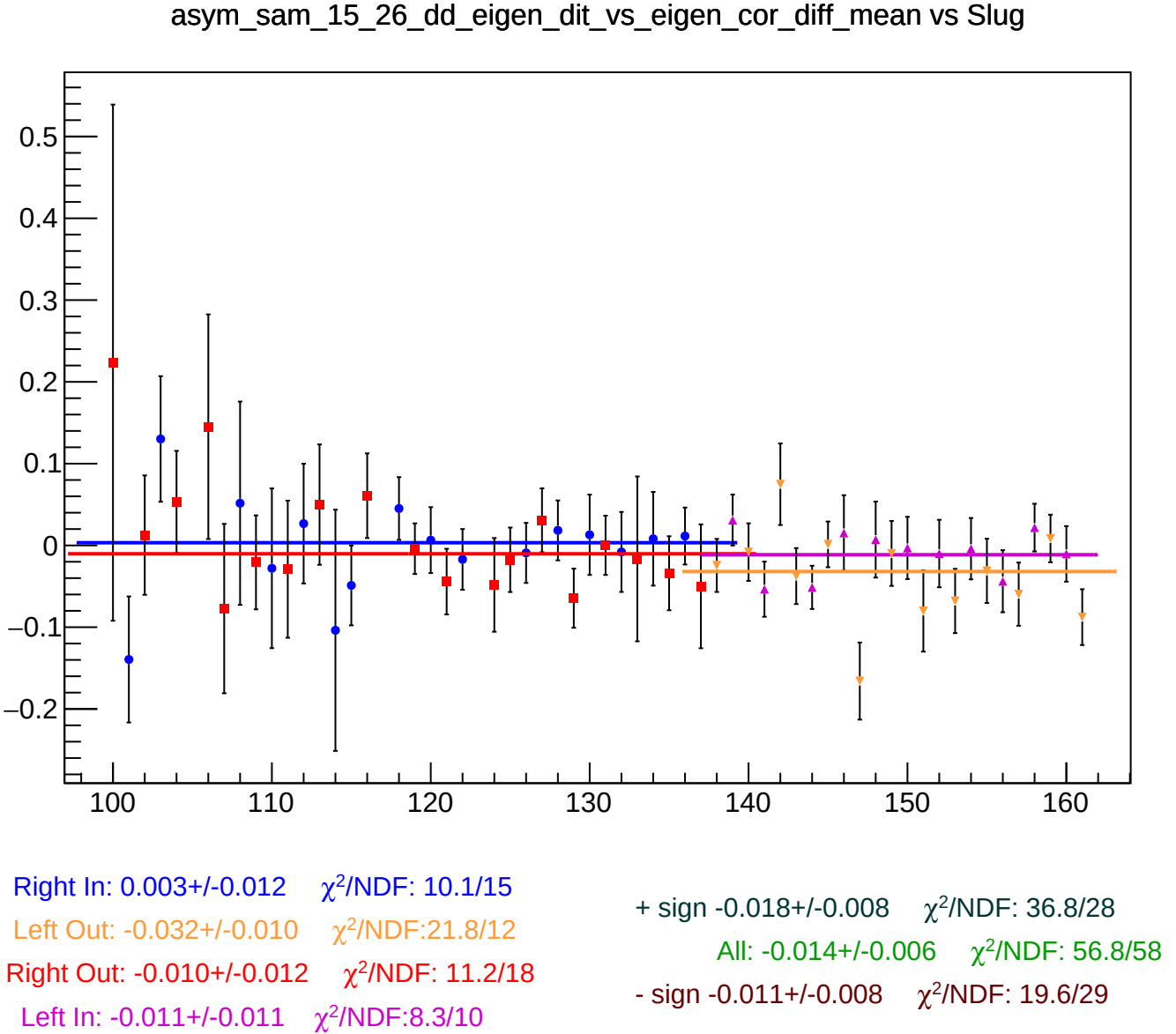
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

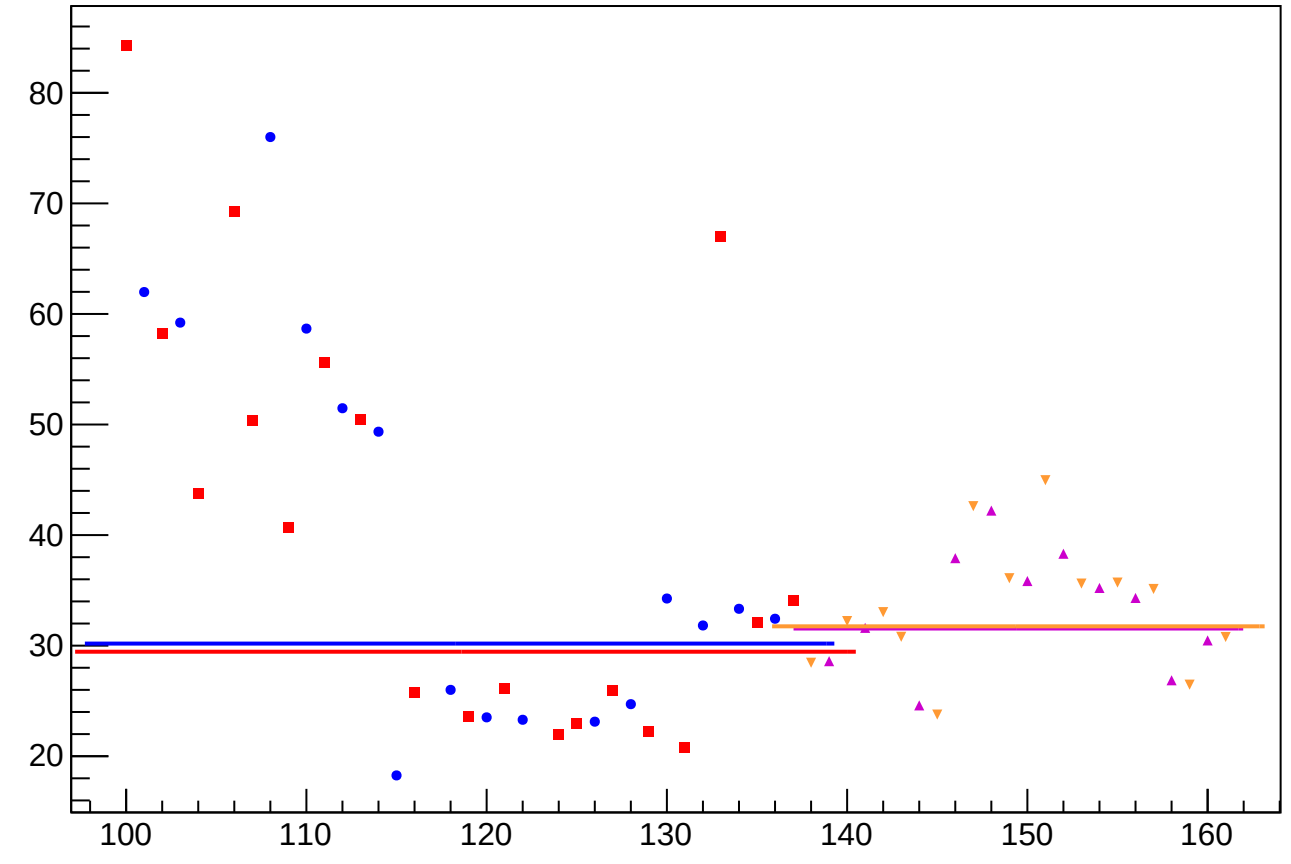
Left In: 31.549+/-0.007 χ^2/NDF:462400.9/10

+ sign 31.117+/-0.006 χ^2/NDF: 2287347.0/28

All: 30.870+/-0.004 χ^2/NDF: 4637543.9/58

- sign 30.619+/-0.006 χ^2/NDF: 2346156.4/29


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.032+/-0.010 χ²/NDF:21.8/12
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.011+/-0.011 χ²/NDF:8.3/10
+ sign -0.018+/-0.008 χ²/NDF: 36.8/28
All: -0.014+/-0.006 χ²/NDF: 56.8/58
- sign -0.011+/-0.008 χ²/NDF: 19.6/29



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.747+/-0.007 χ^2/NDF:580904.7/12

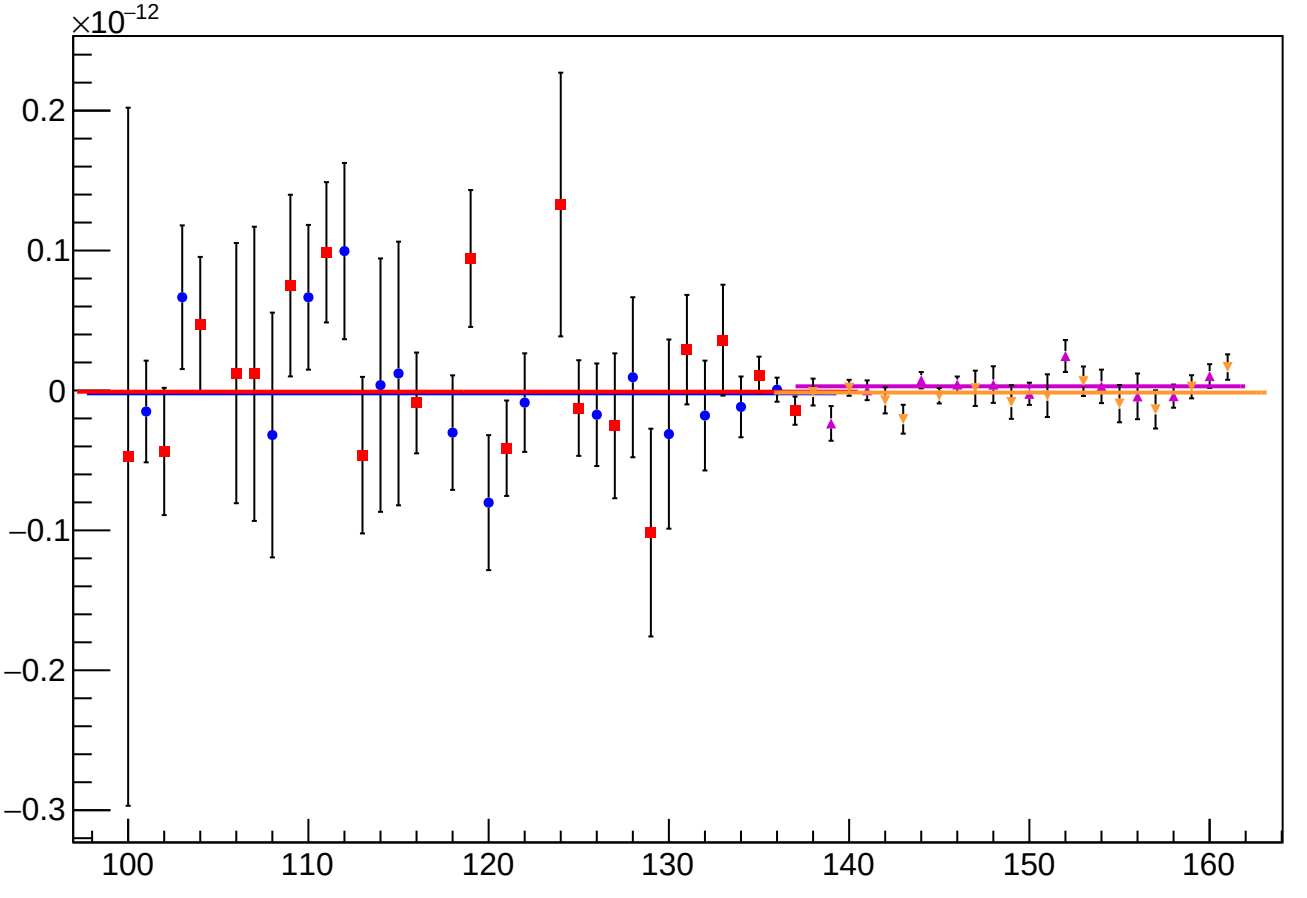
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.549+/-0.007 χ^2/NDF:462400.9/10

+ sign 31.117+/-0.006 χ^2/NDF: 2287347.0/28

All: 30.870+/-0.004 χ^2/NDF: 4637543.9/58

- sign 30.619+/-0.006 χ^2/NDF: 2346156.4/29



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.7/12

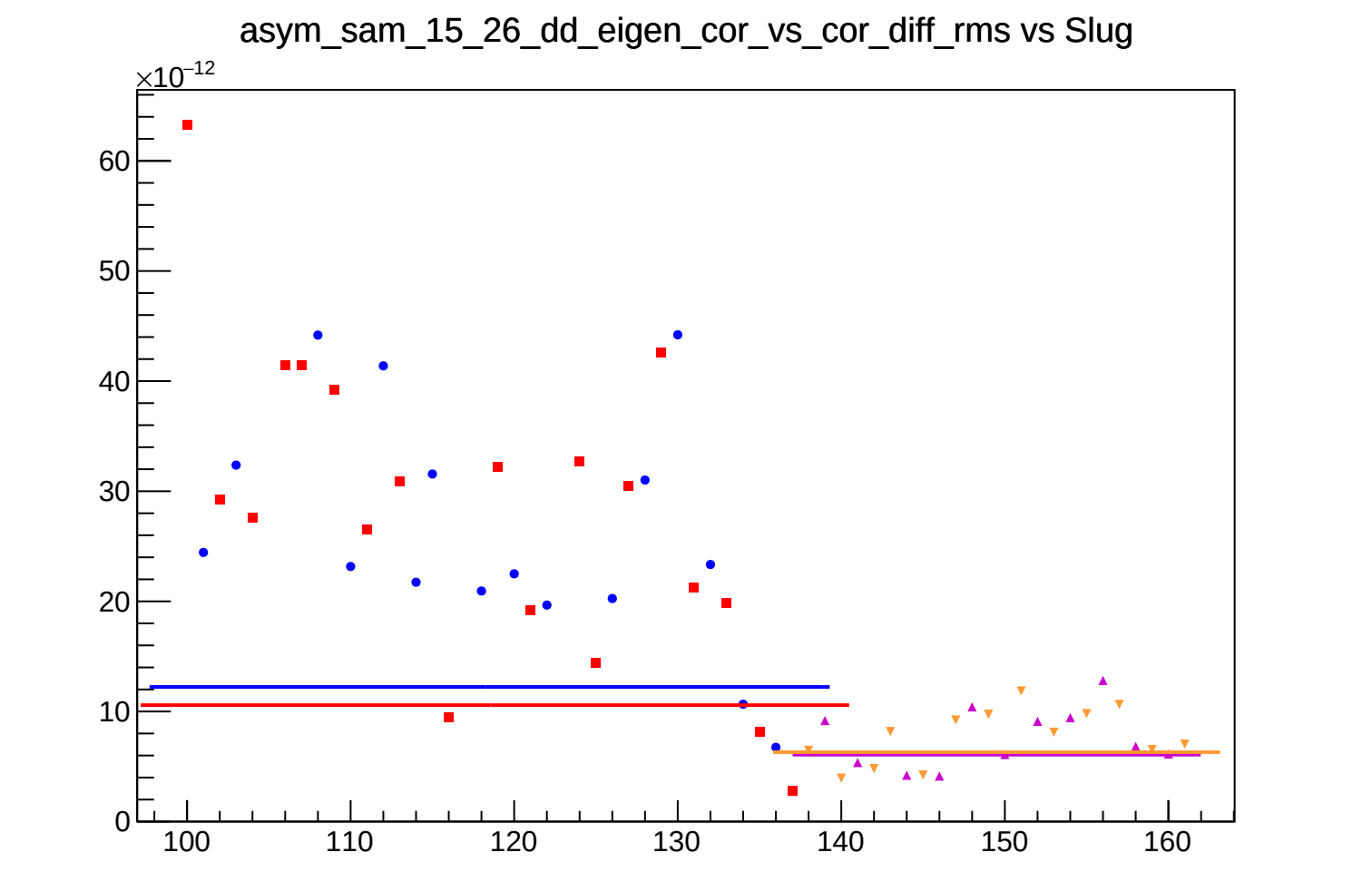
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/10

+ sign -0.000+/-0.000 χ^2/NDF: 21.1/28

All: 0.000+/-0.000 χ^2/NDF: 55.3/58

- sign 0.000+/-0.000 χ^2/NDF: 32.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1689612.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

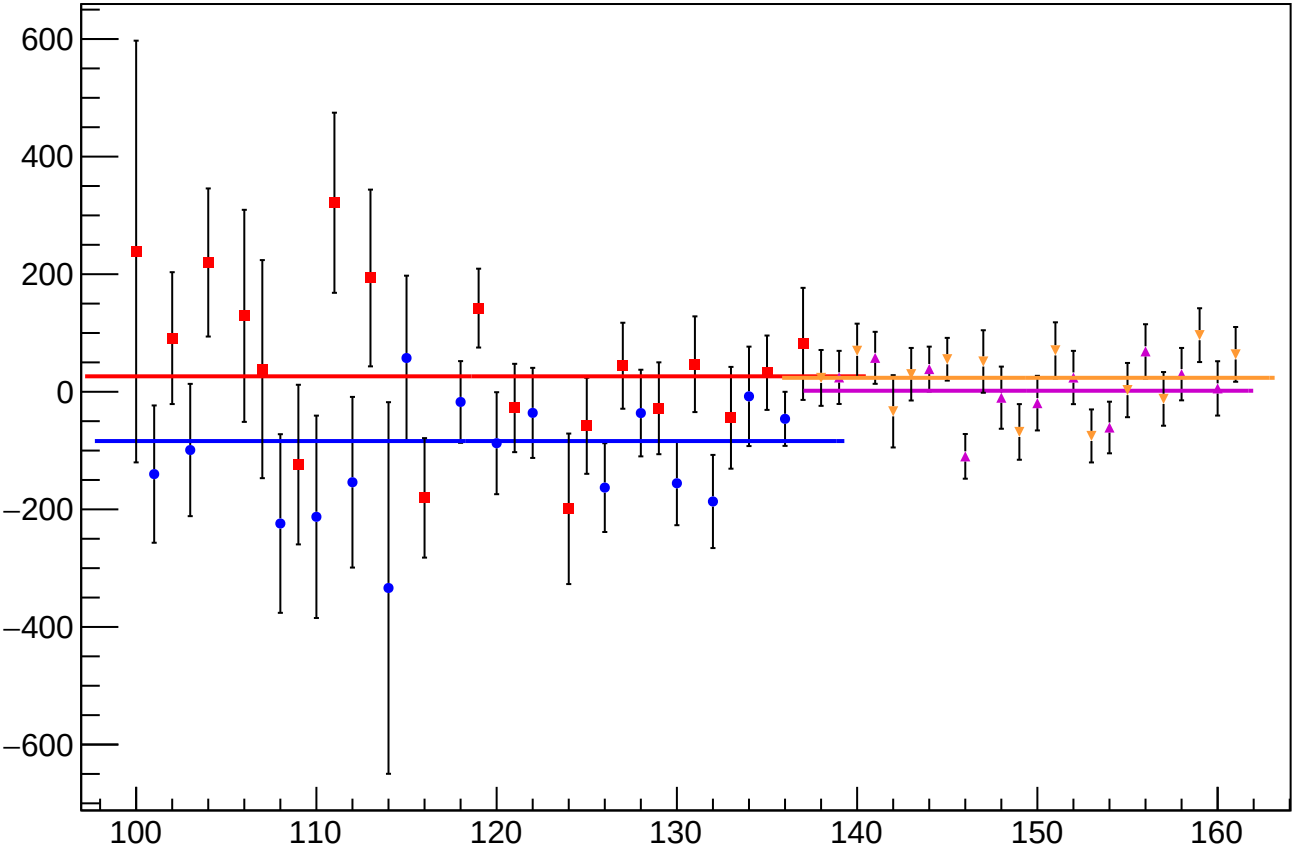
Left In: 0.000+/-0.000 χ^2/NDF:1461626.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 6456314.3/28

All: 0.000+/-0.000 χ^2/NDF: 13506967.3/58

- sign 0.000+/-0.000 χ^2/NDF: 7027213.1/29

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 23.765+/-12.850 χ^2/NDF:16.5/12

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

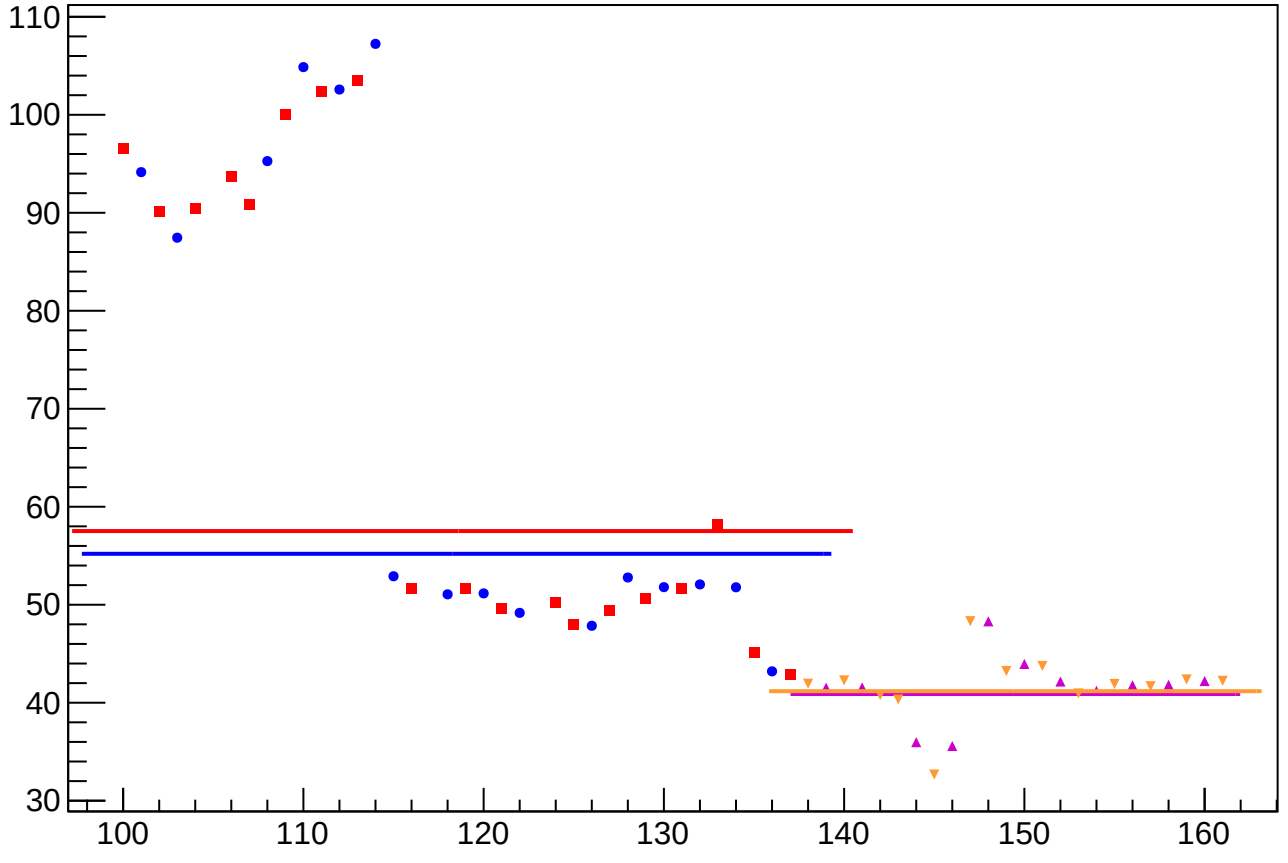
Left In: 1.766+/-13.303 χ^2/NDF:16.5/10

+ sign -4.677+/-11.021 χ^2/NDF: 45.6/28

All: 1.599+/-7.921 χ^2/NDF: 86.6/58

- sign 8.306+/-11.393 χ^2/NDF: 40.3/29

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 41.177+/-0.009 χ^2/NDF:161066.1/12

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

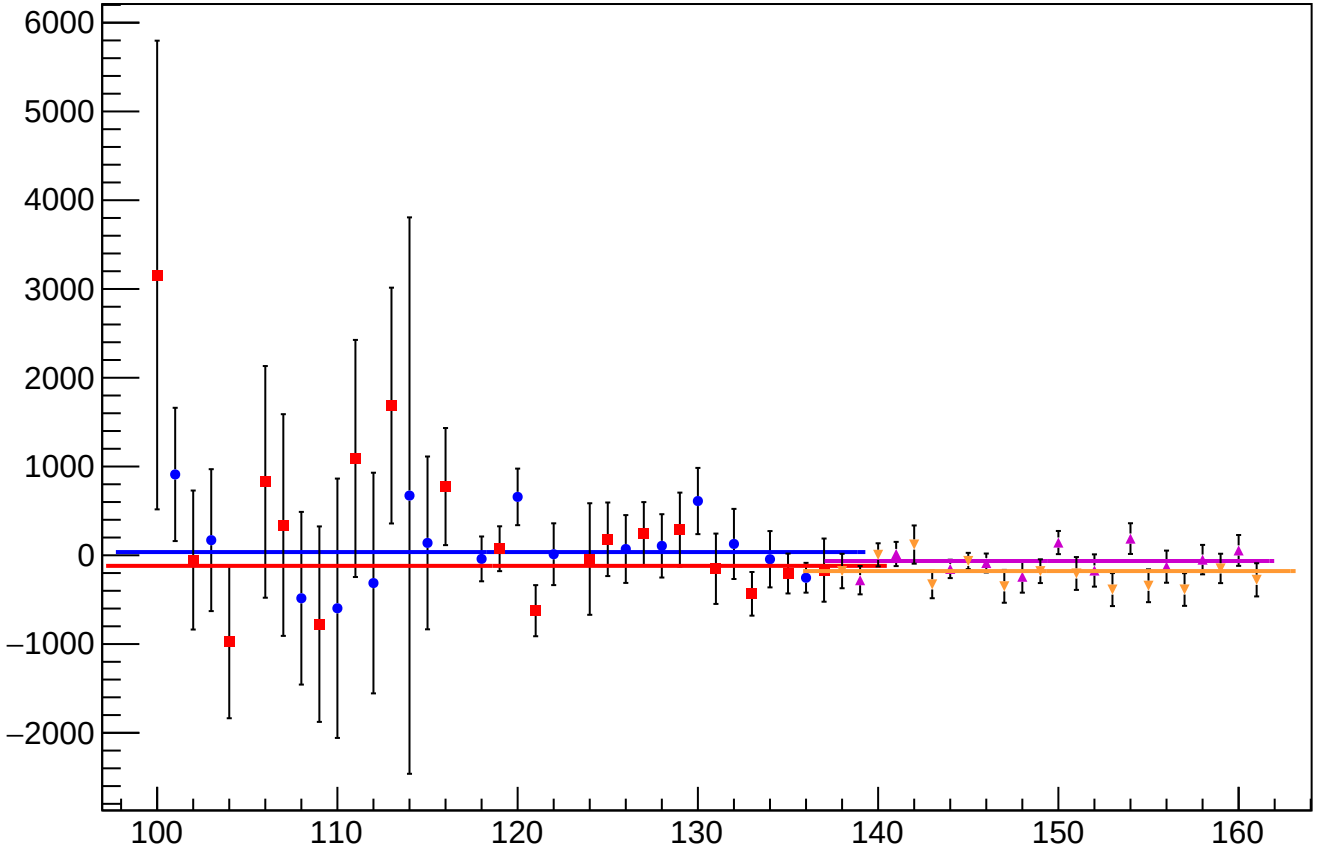
Left In: 40.888+/-0.009 χ^2/NDF:126201.7/10

+ sign 44.884+/-0.008 χ^2/NDF: 1943176.6/28

All: 45.095+/-0.006 χ^2/NDF: 4185941.9/58

- sign 45.321+/-0.008 χ^2/NDF: 2241244.3/29

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.834+/-43.251 χ^2/NDF:10.9/12

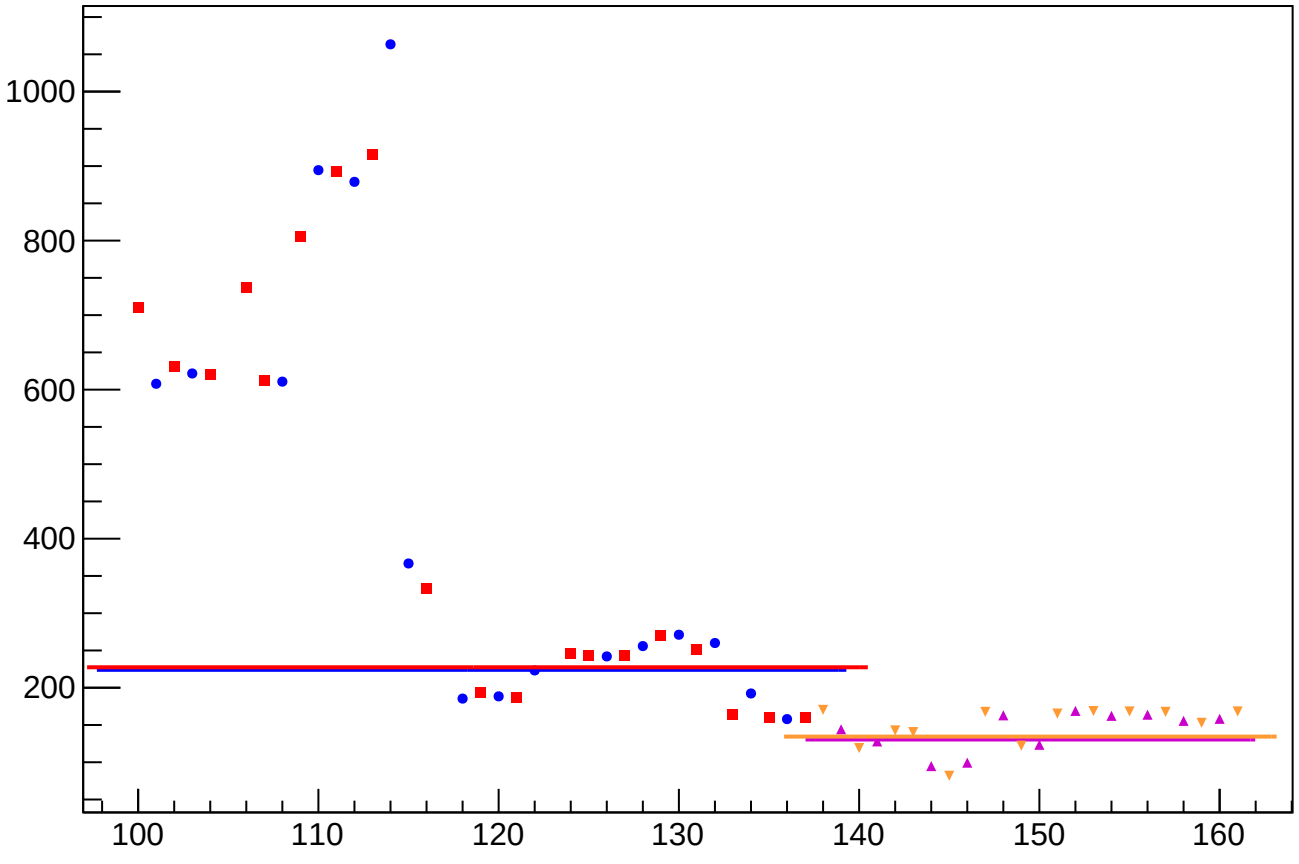
Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: -64.348+/-43.551 χ^2/NDF:9.5/10

+ sign -140.127+/-39.259 χ^2/NDF: 26.6/28

All: -107.258+/-27.897 χ^2/NDF: 53.9/58

- sign -73.732+/-39.649 χ^2/NDF: 25.8/29



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 134.437+/-0.031 χ^2/NDF:1186635.2/12

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

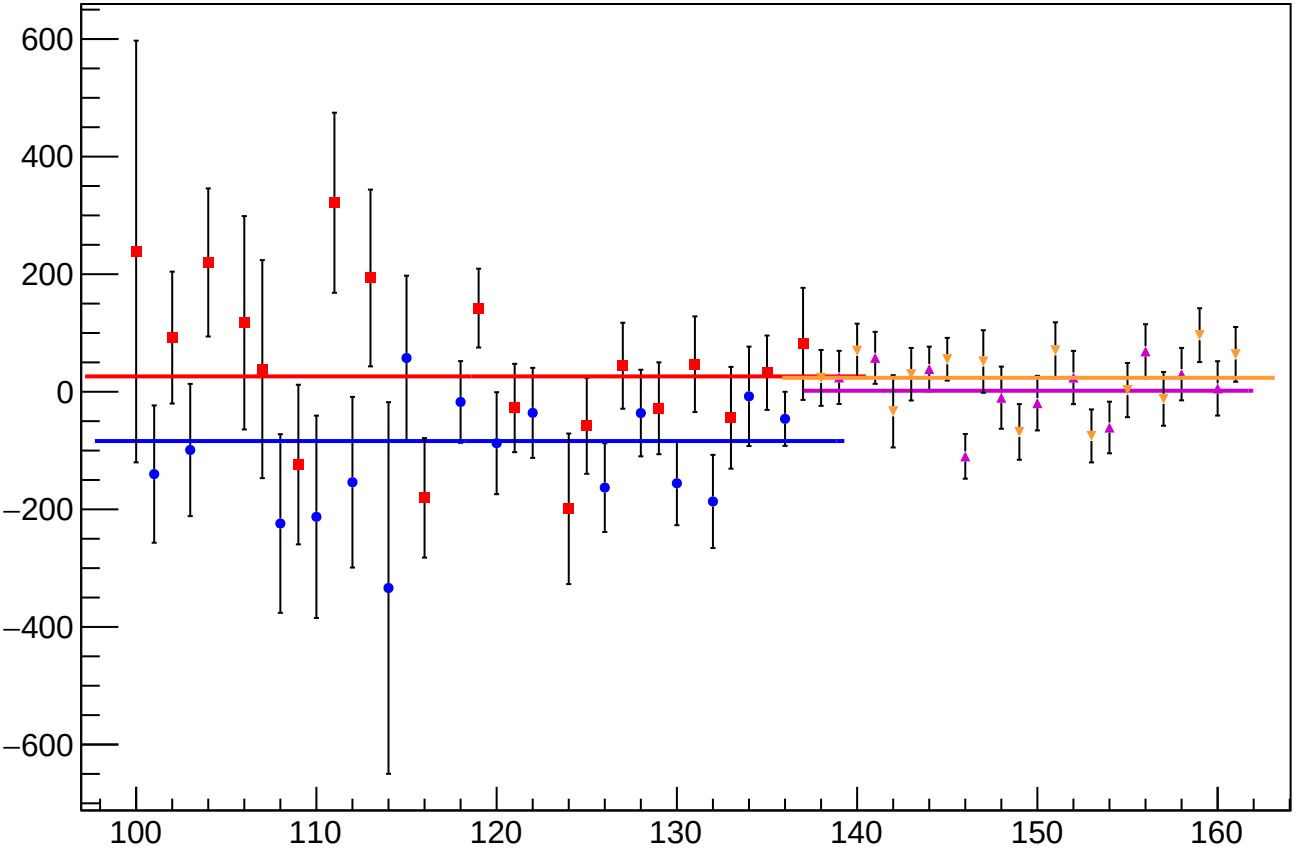
Left In: 130.533+/-0.031 χ^2/NDF:813984.4/10

+ sign 150.214+/-0.028 χ^2/NDF: 5666066.0/28

All: 148.684+/-0.020 χ^2/NDF: 11822191.5/58

- sign 147.123+/-0.028 χ^2/NDF: 6149988.9/29

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 23.763+/-12.850 χ^2/NDF:16.5/12

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

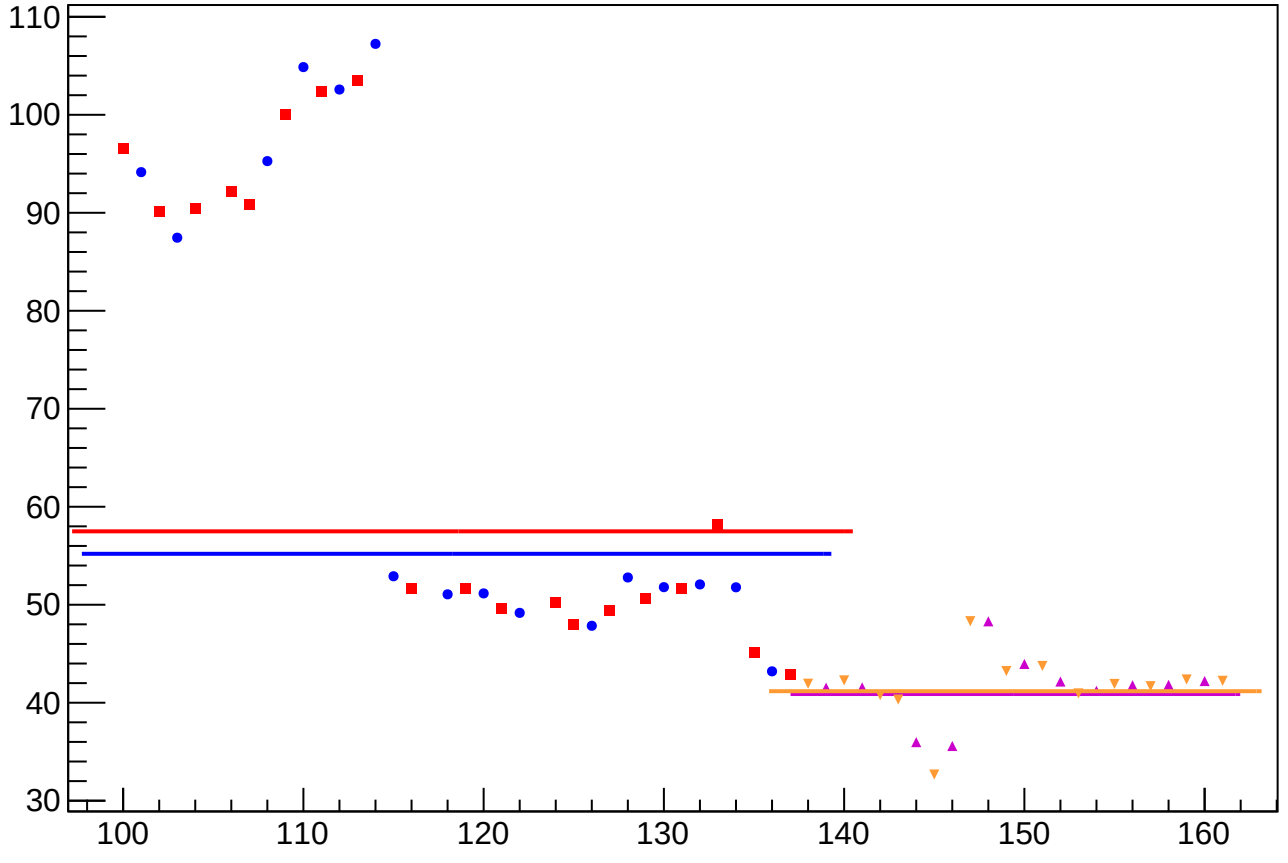
Left In: 1.765+/-13.303 χ^2/NDF:16.5/10

\+ sign -4.677+/-11.021 χ^2/NDF: 45.6/28

All: 1.578+/-7.921 χ^2/NDF: 86.5/58

\- sign 8.262+/-11.393 χ^2/NDF: 40.3/29

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.177+/-0.009 χ^2/NDF:161066.1/12

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

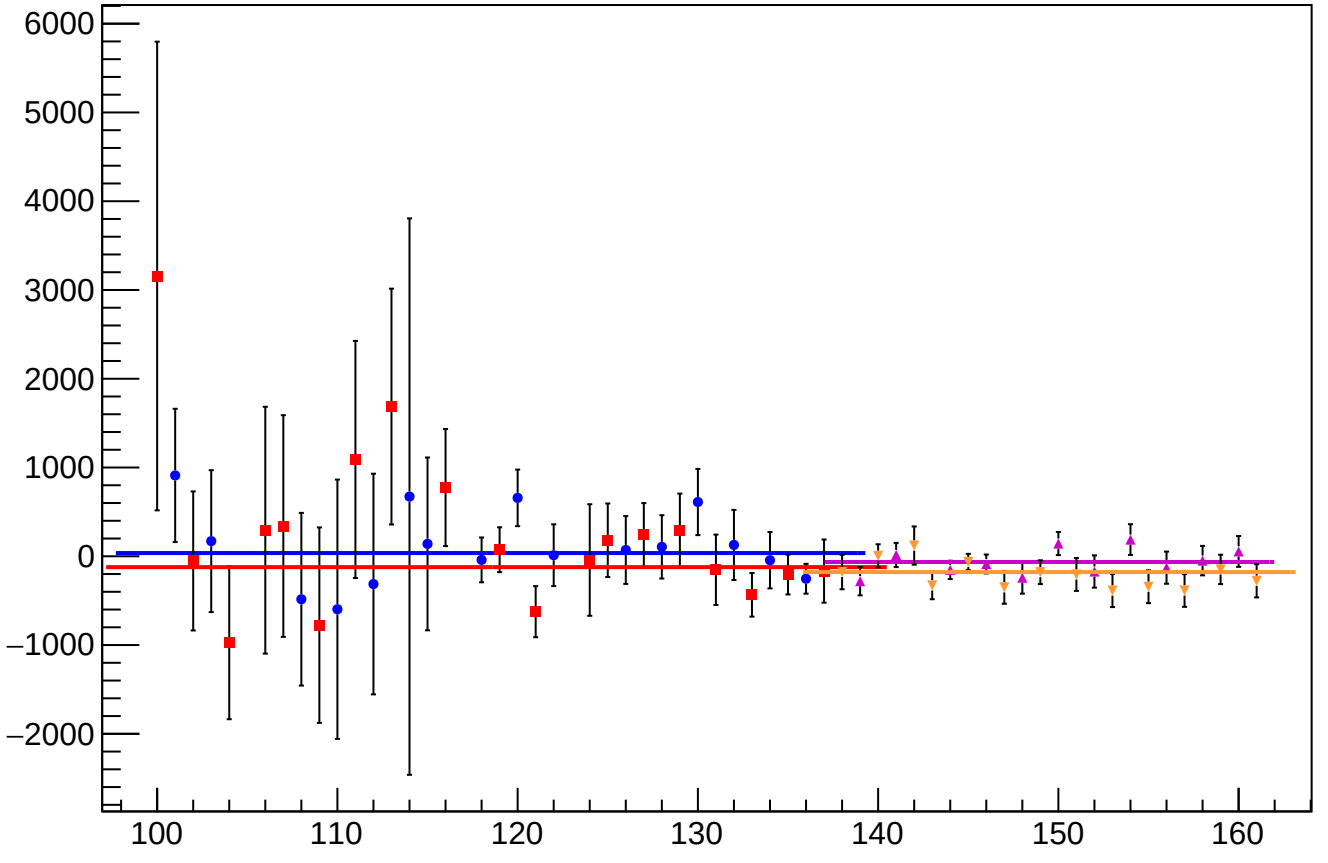
Left In: 40.888+/-0.009 χ^2/NDF:126201.7/10

+ sign 44.884+/-0.008 χ^2/NDF: 1943176.8/28

All: 45.091+/-0.006 χ^2/NDF: 4175471.6/58

- sign 45.312+/-0.008 χ^2/NDF: 2230831.2/29

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -177.836+/-43.251 χ^2/NDF:10.9/12

Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

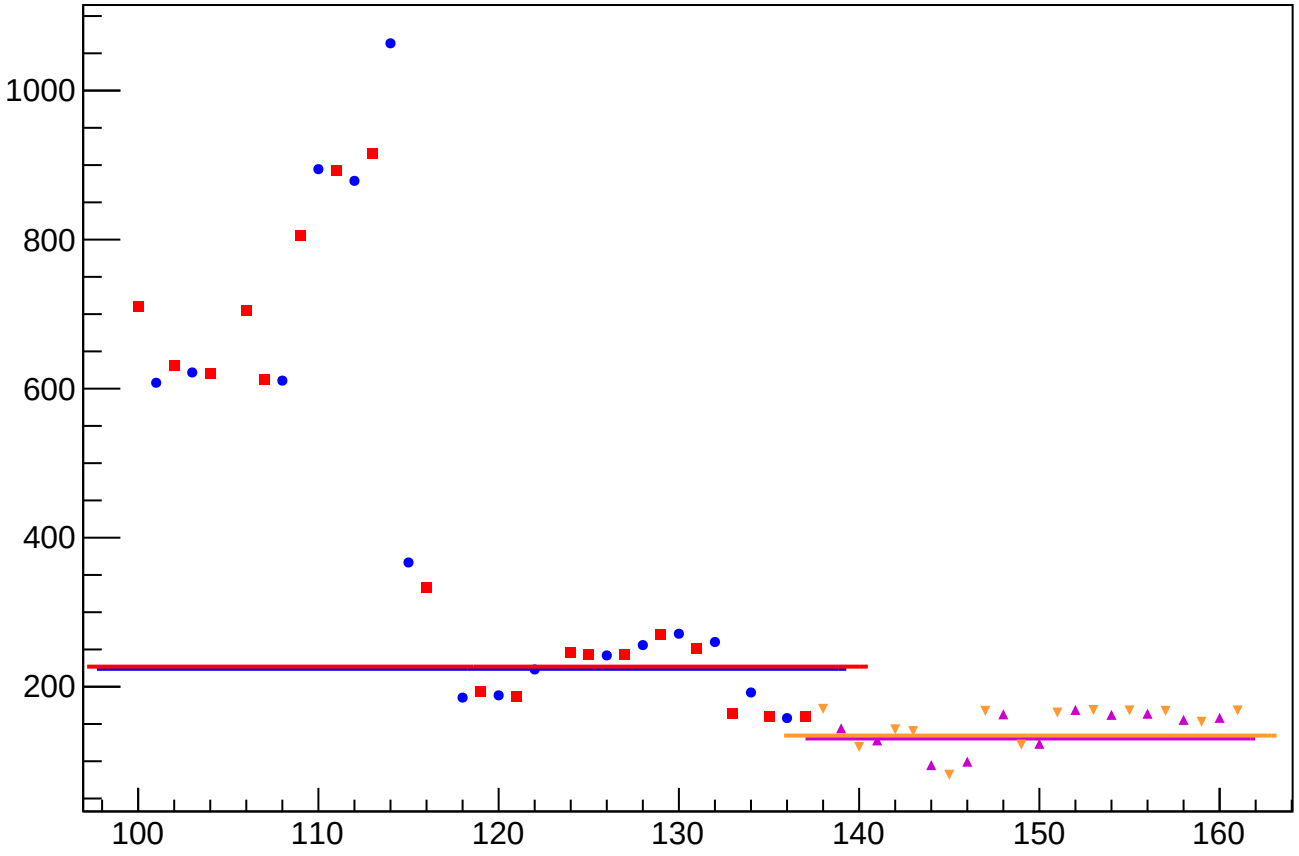
Left In: -64.348+/-43.551 χ^2/NDF:9.5/10

+ sign -140.129+/-39.259 χ^2/NDF: 26.6/28

All: -107.522+/-27.898 χ^2/NDF: 53.4/58

- sign -74.261+/-39.651 χ^2/NDF: 25.4/29

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 134.437+/-0.031 χ^2/NDF:1186640.0/12

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

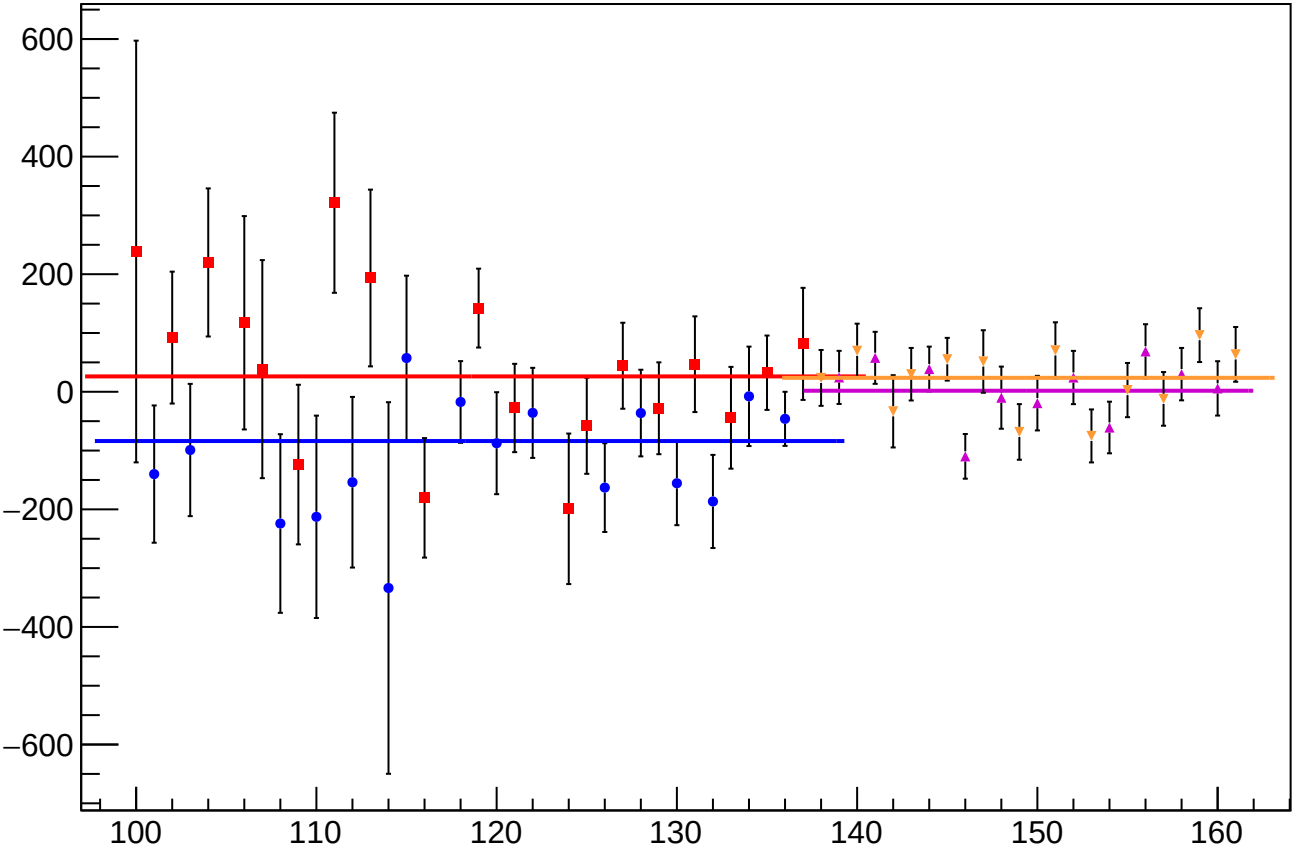
Left In: 130.533+/-0.031 χ^2/NDF:813985.5/10

+ sign 150.214+/-0.028 χ^2/NDF: 5666077.7/28

All: 148.639+/-0.020 χ^2/NDF: 11736235.1/58

- sign 147.032+/-0.028 χ^2/NDF: 6063653.3/29

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 23.763+/-12.850 χ^2/NDF:16.5/12

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

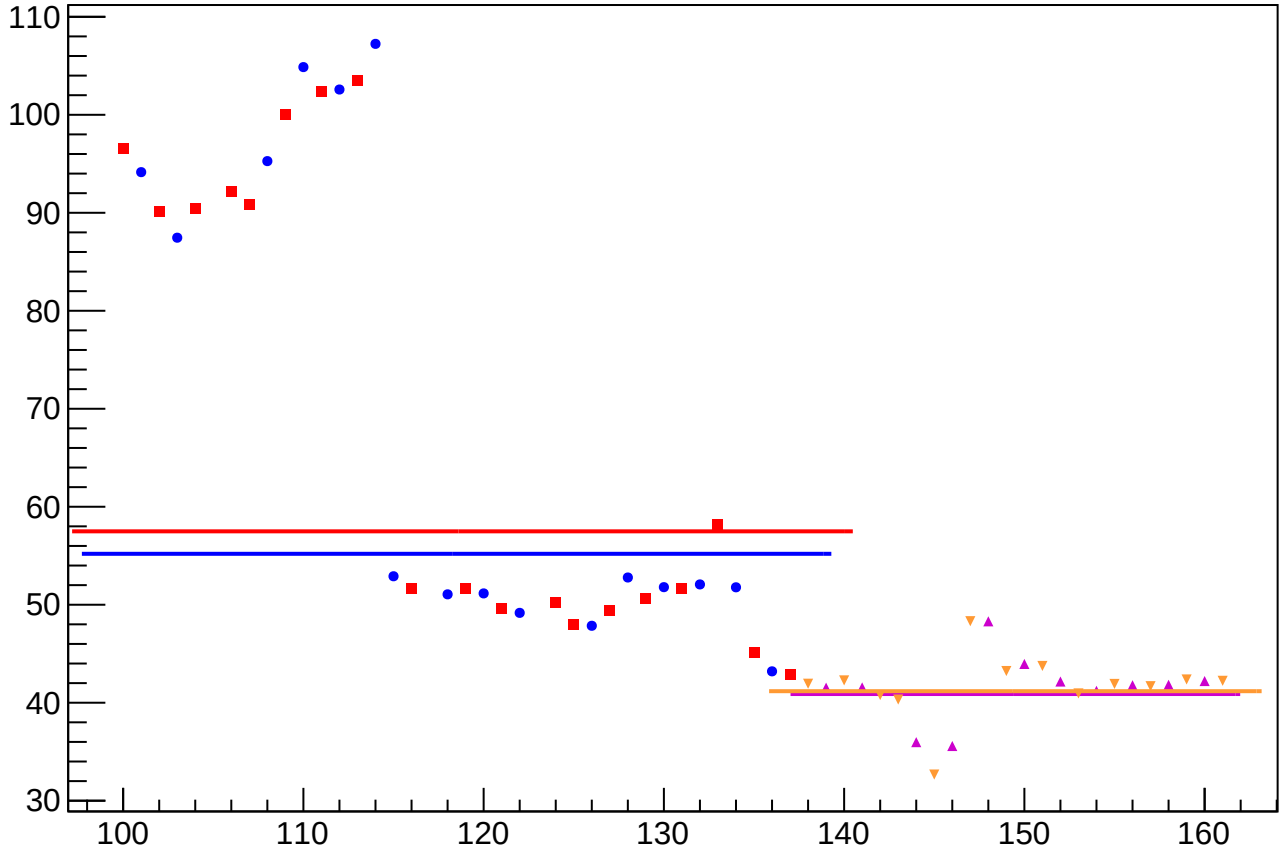
Left In: 1.765+/-13.303 χ^2/NDF:16.5/10

+ sign -4.677+/-11.021 χ^2/NDF: 45.6/28

All: 1.578+/-7.921 χ^2/NDF: 86.5/58

- sign 8.262+/-11.393 χ^2/NDF: 40.3/29

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.177+/-0.009 χ^2/NDF:161066.1/12

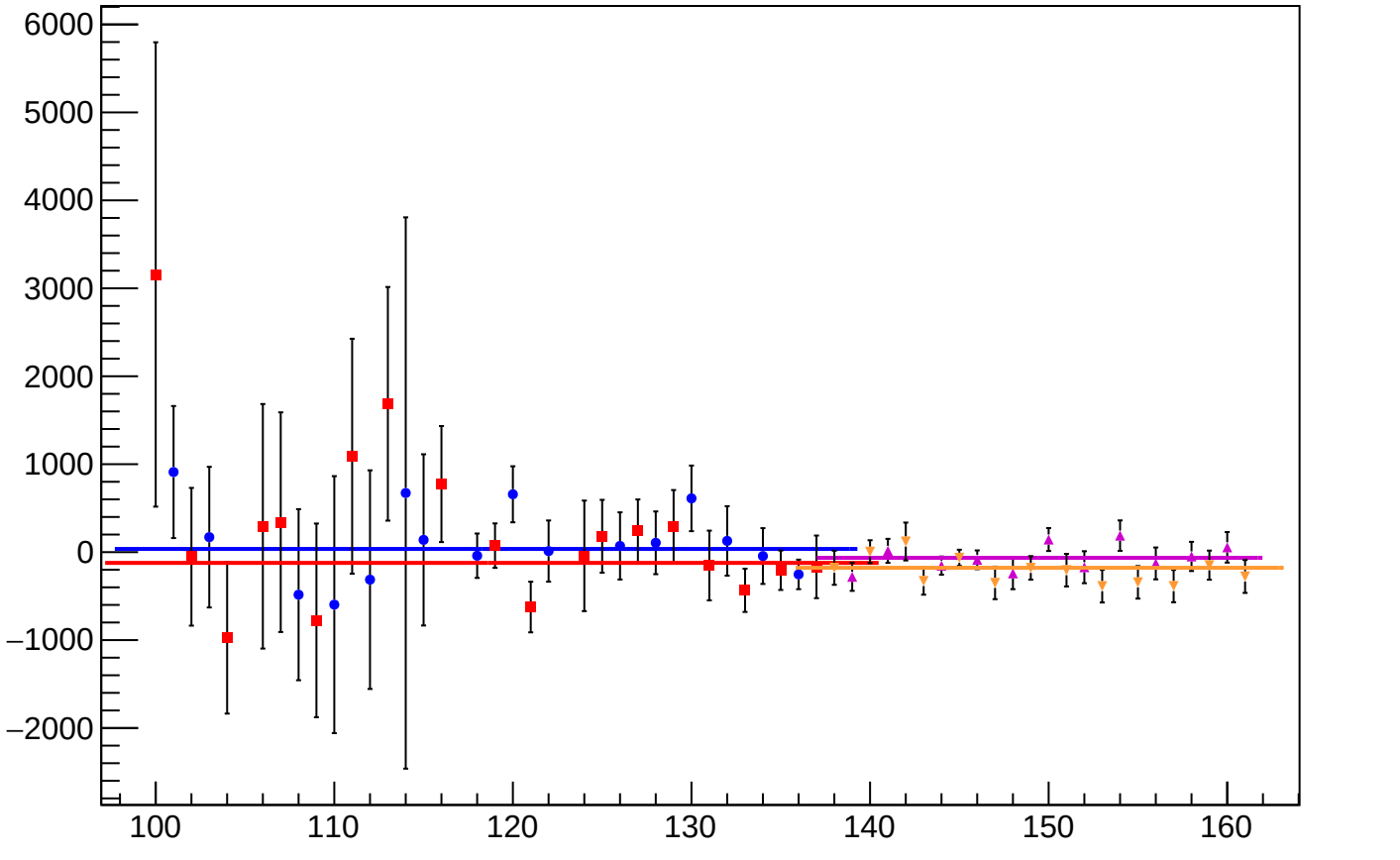
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

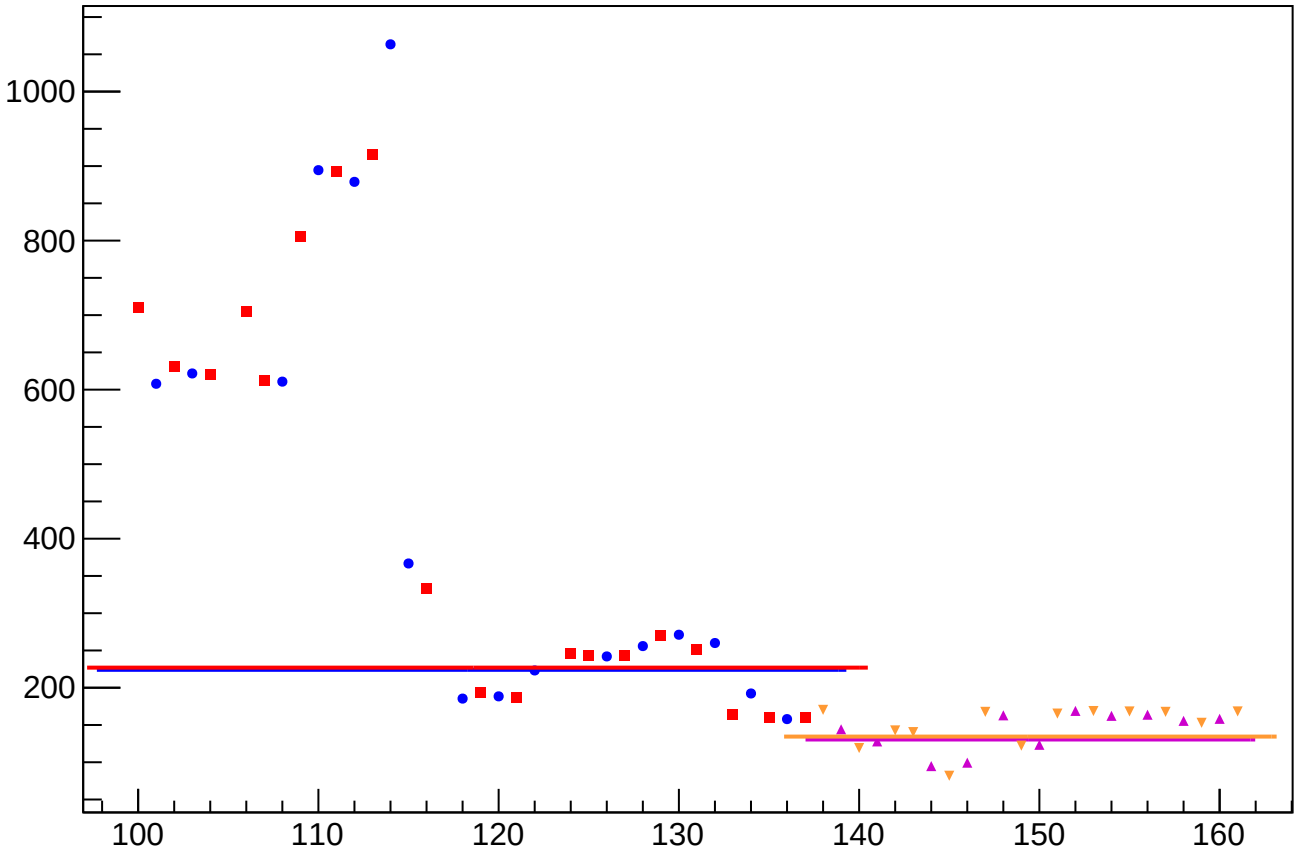
Left In: 40.888+/-0.009 χ^2/NDF:126201.7/10

+ sign 44.884+/-0.008 χ^2/NDF: 1943176.8/28

All: 45.091+/-0.006 χ^2/NDF: 4175471.6/58

- sign 45.312+/-0.008 χ^2/NDF: 2230831.2/29


asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug
6000
5000
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
Right In: 36.327+/-93.563 χ²/NDF: 11.4/15
Left Out: -177.836+/-43.251 χ²/NDF:10.9/12
Right Out: -122.289+/-95.865 χ²/NDF: 15.6/18
Left In: -64.348+/-43.551 χ²/NDF:9.5/10
+ sign -140.129+/-39.259 χ²/NDF: 26.6/28
All: -107.522+/-27.898 χ²/NDF: 53.4/58
- sign -74.261+/-39.651 χ²/NDF: 25.4/29



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 134.437+/-0.031 χ^2/NDF:1186640.0/12

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

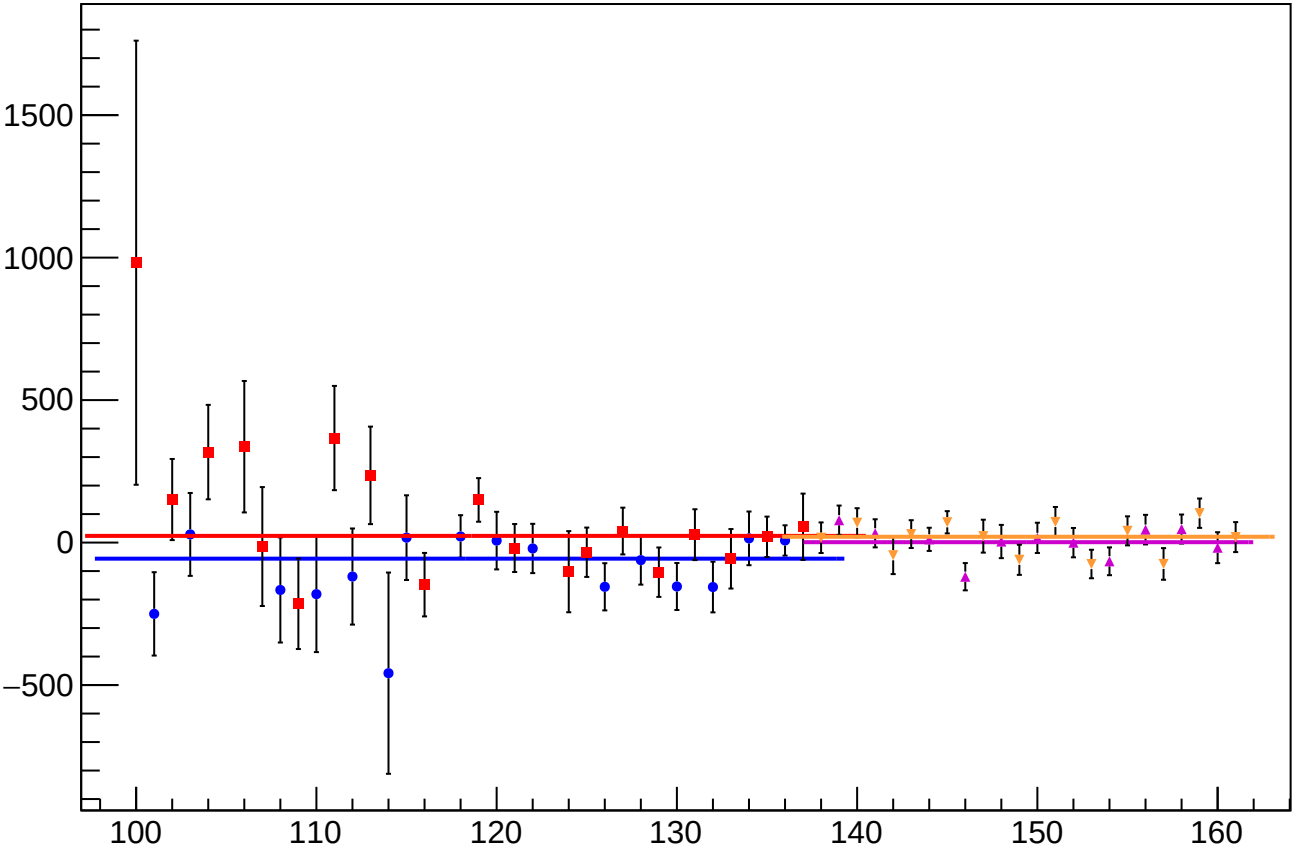
Left In: 130.533+/-0.031 χ^2/NDF:813985.5/10

+ sign 150.214+/-0.028 χ^2/NDF: 5666077.7/28

All: 148.639+/-0.020 χ^2/NDF: 11736235.1/58

- sign 147.032+/-0.028 χ^2/NDF: 6063653.3/29

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.420+/-14.289 χ^2/NDF:16.3/12

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

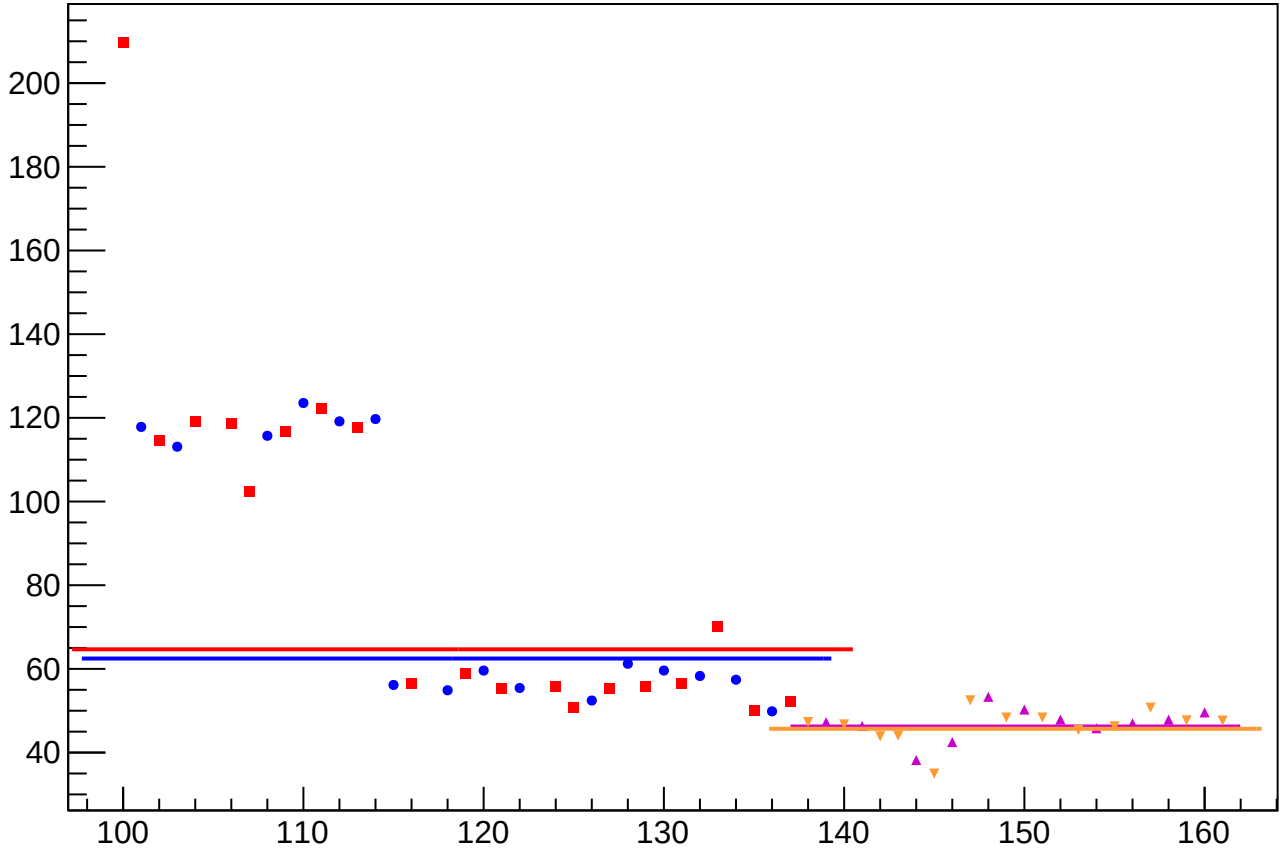
Left In: 1.365+/-15.125 χ^2/NDF:12.7/10

+ sign 0.906+/-12.341 χ^2/NDF: 35.9/28

All: 3.917+/-8.938 χ^2/NDF: 73.4/58

- sign 7.240+/-12.963 χ^2/NDF: 37.4/29

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 45.688+/-0.010 χ^2/NDF:217710.3/12

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

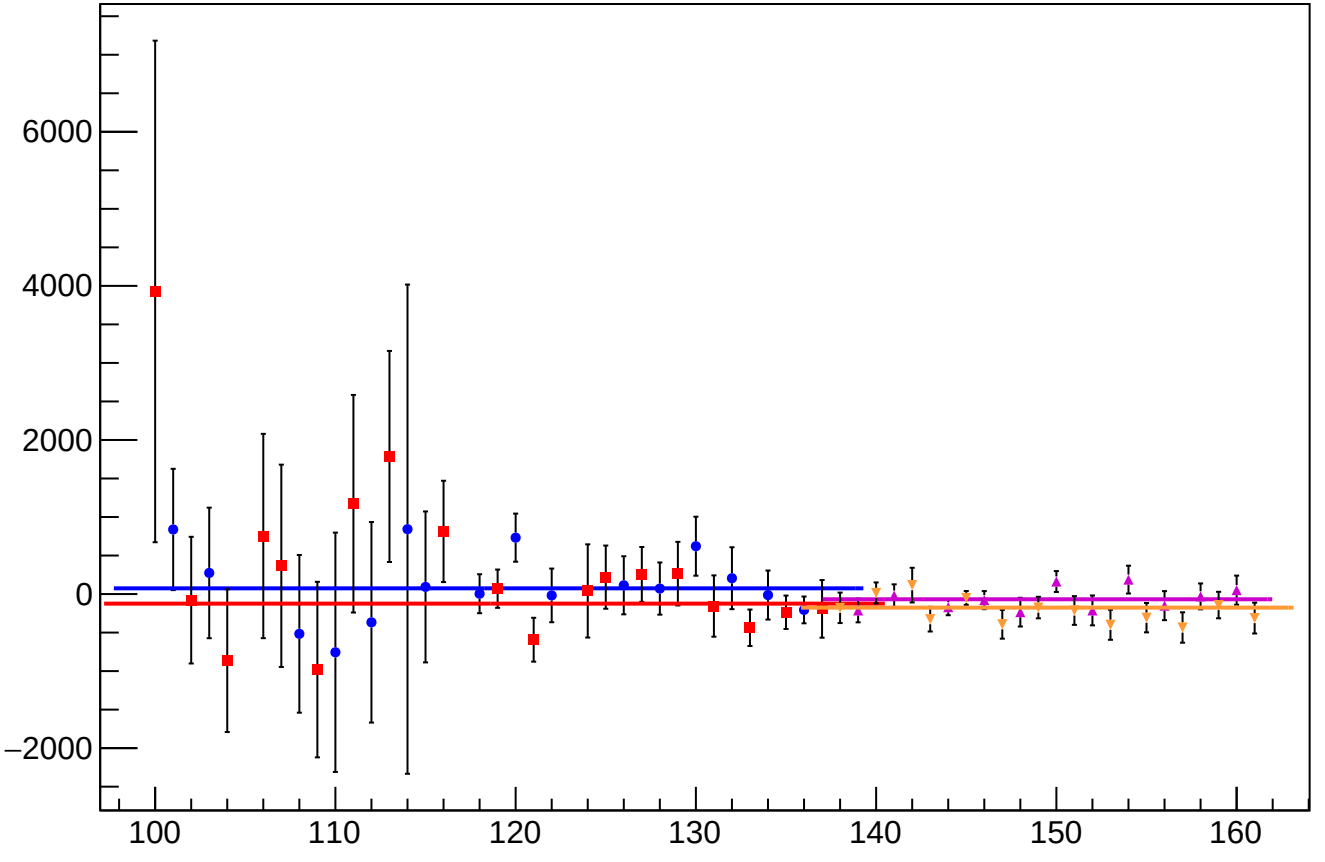
Left In: 46.234+/-0.011 χ^2/NDF:144231.7/10

+ sign 49.951+/-0.009 χ^2/NDF: 2267005.5/28

All: 50.512+/-0.006 χ^2/NDF: 4800009.3/58

- sign 51.131+/-0.009 χ^2/NDF: 2524317.4/29

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -175.991+/-44.334 χ^2/NDF:11.8/12

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

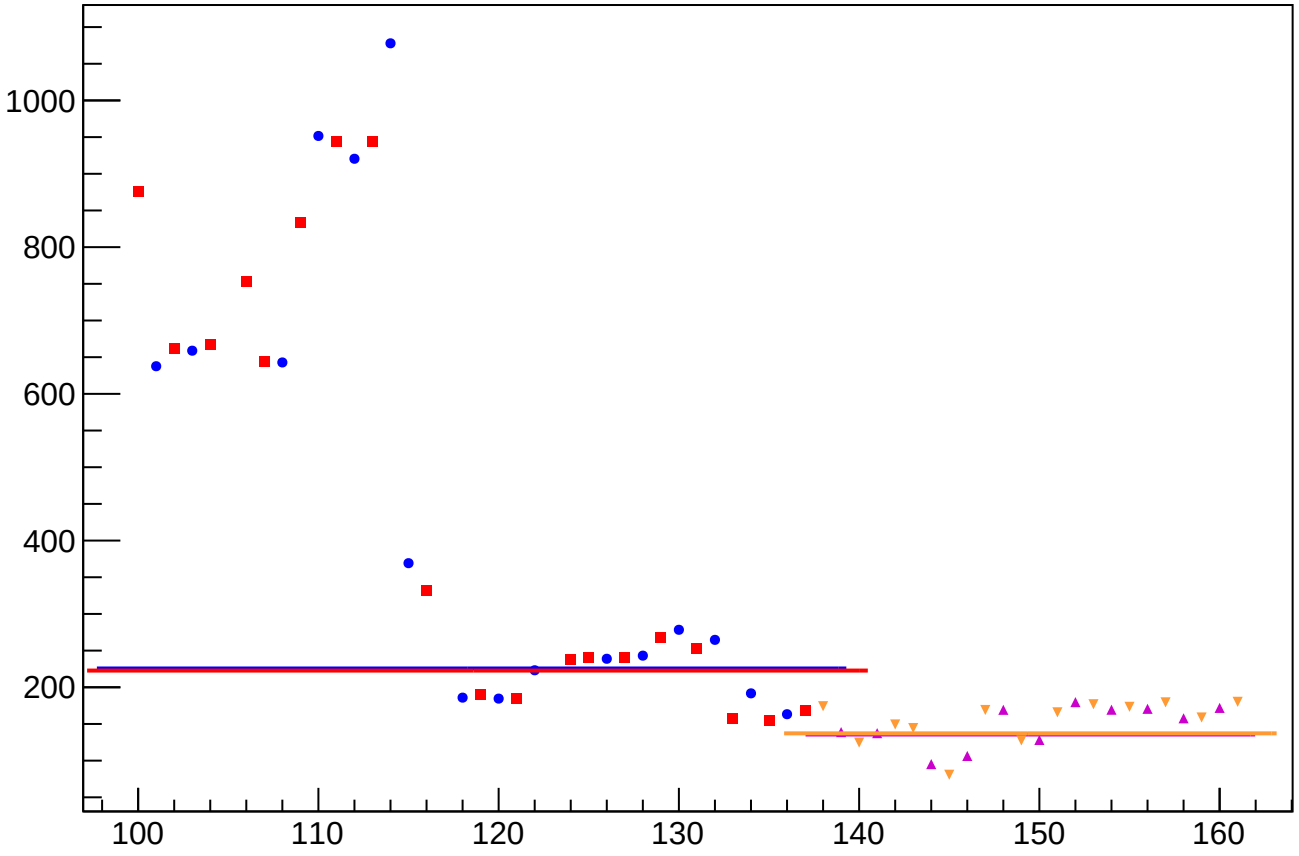
Left In: -67.632+/-45.432 χ^2/NDF:8.8/10

+ sign -130.836+/-40.136 χ^2/NDF: 28.8/28

All: -105.063+/-28.667 χ^2/NDF: 55.1/58

- sign -78.222+/-40.959 χ^2/NDF: 25.5/29

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 137.192+/-0.031 χ^2/NDF:1368323.0/12

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

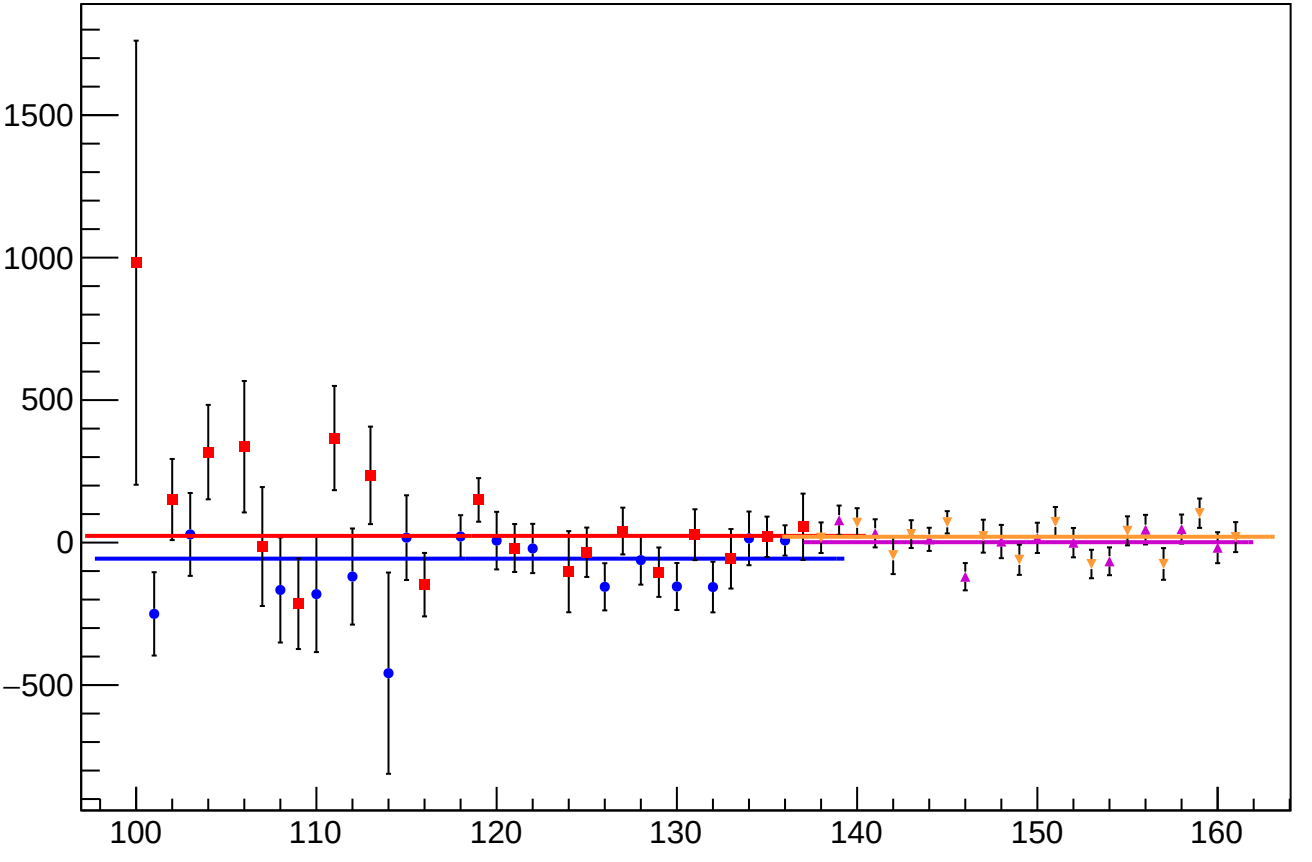
Left In: 135.616+/-0.032 χ^2/NDF:844720.6/10

+ sign 153.145+/-0.028 χ^2/NDF: 5829664.1/28

All: 152.552+/-0.020 χ^2/NDF: 11901787.2/58

- sign 151.935+/-0.029 χ^2/NDF: 6071232.9/29

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.421+/-14.289 χ^2/NDF:16.3/12

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

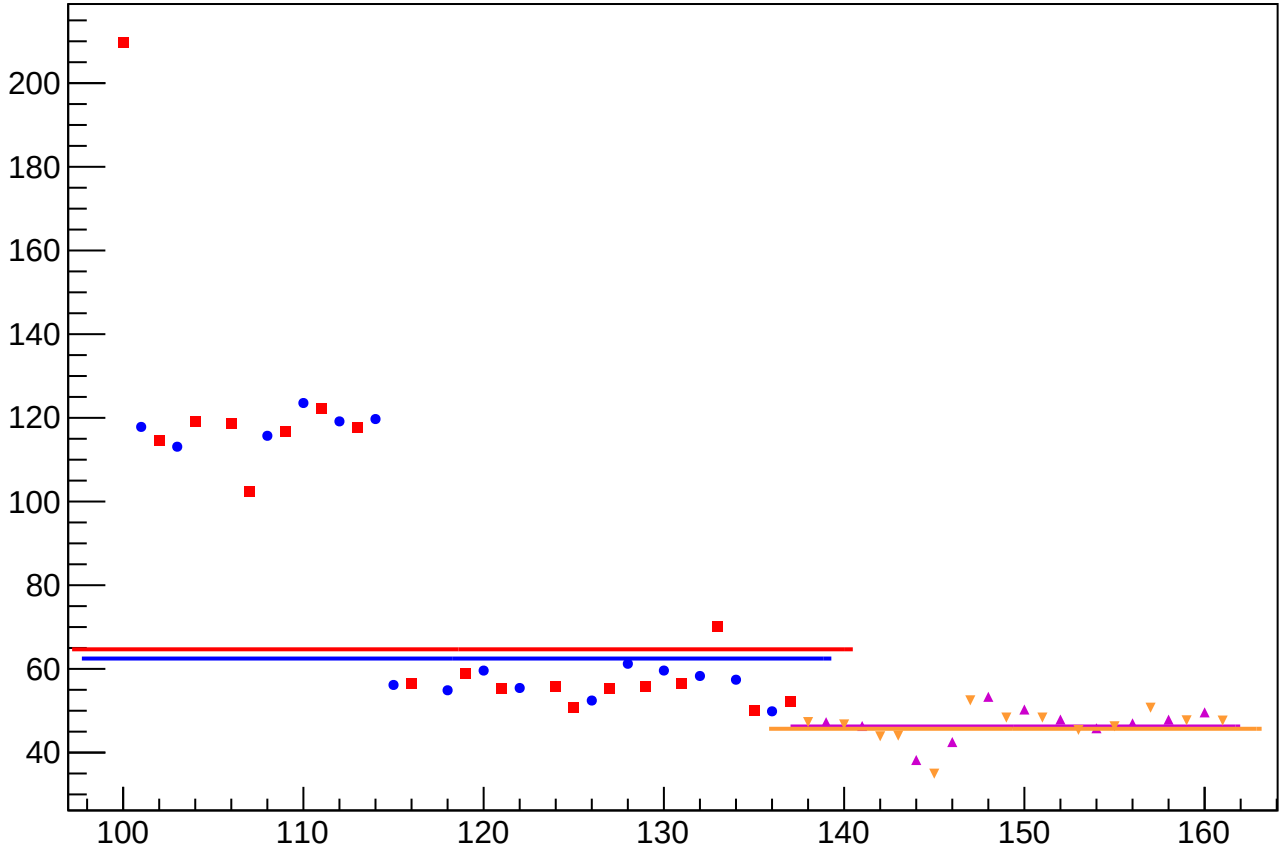
Left In: 1.364+/-15.125 χ^2/NDF:12.7/10

+ sign 0.906+/-12.341 χ^2/NDF: 35.9/28

All: 3.917+/-8.938 χ^2/NDF: 73.4/58

- sign 7.240+/-12.963 χ^2/NDF: 37.4/29

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.688+/-0.010 χ^2/NDF:217715.1/12

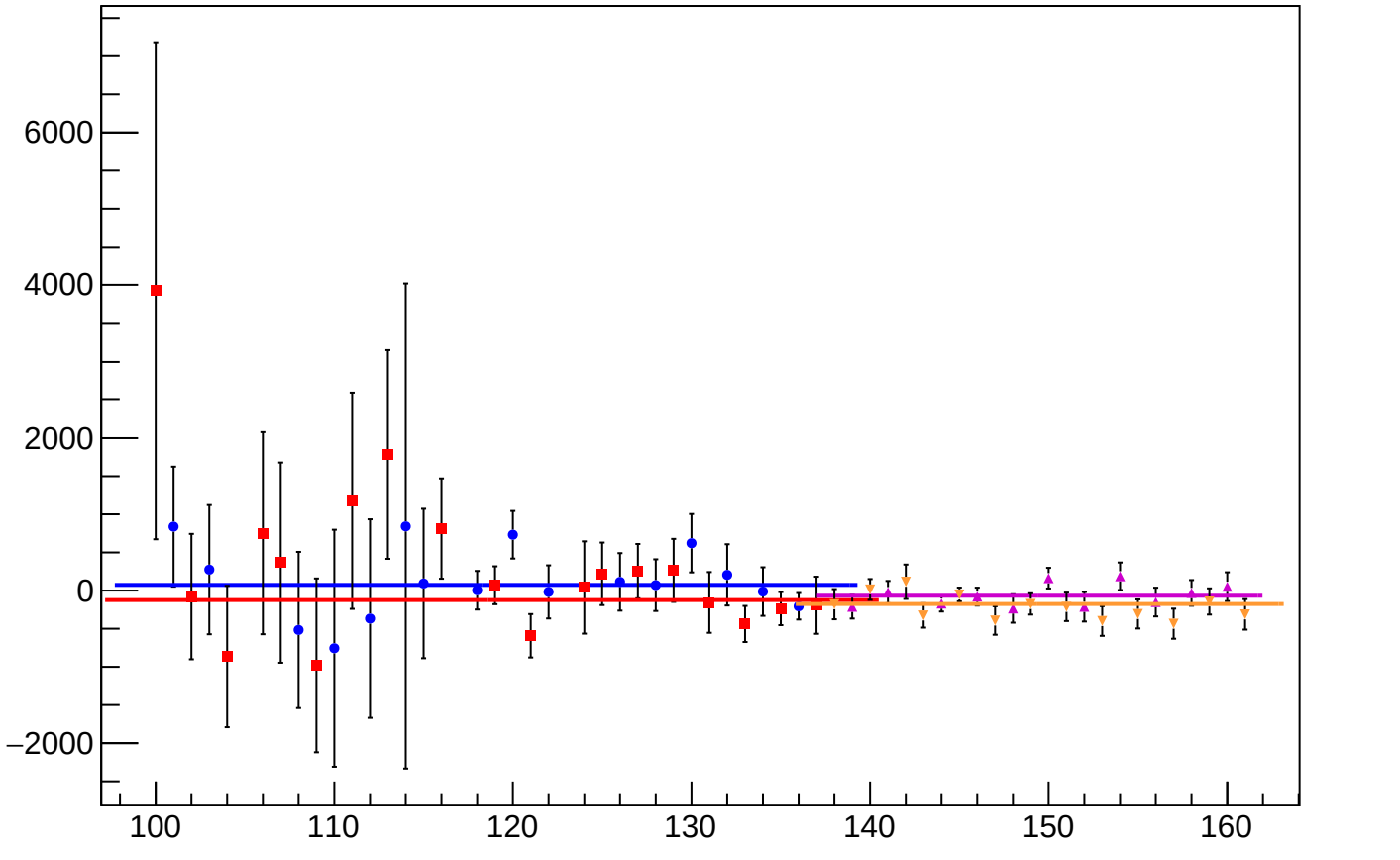
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 46.234+/-0.011 χ^2/NDF:144232.9/10

+ sign 49.951+/-0.009 χ^2/NDF: 2266947.6/28

All: 50.512+/-0.006 χ^2/NDF: 4799904.9/58

- sign 51.131+/-0.009 χ^2/NDF: 2524270.3/29



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -175.991+/-44.334 χ^2/NDF:11.8/12

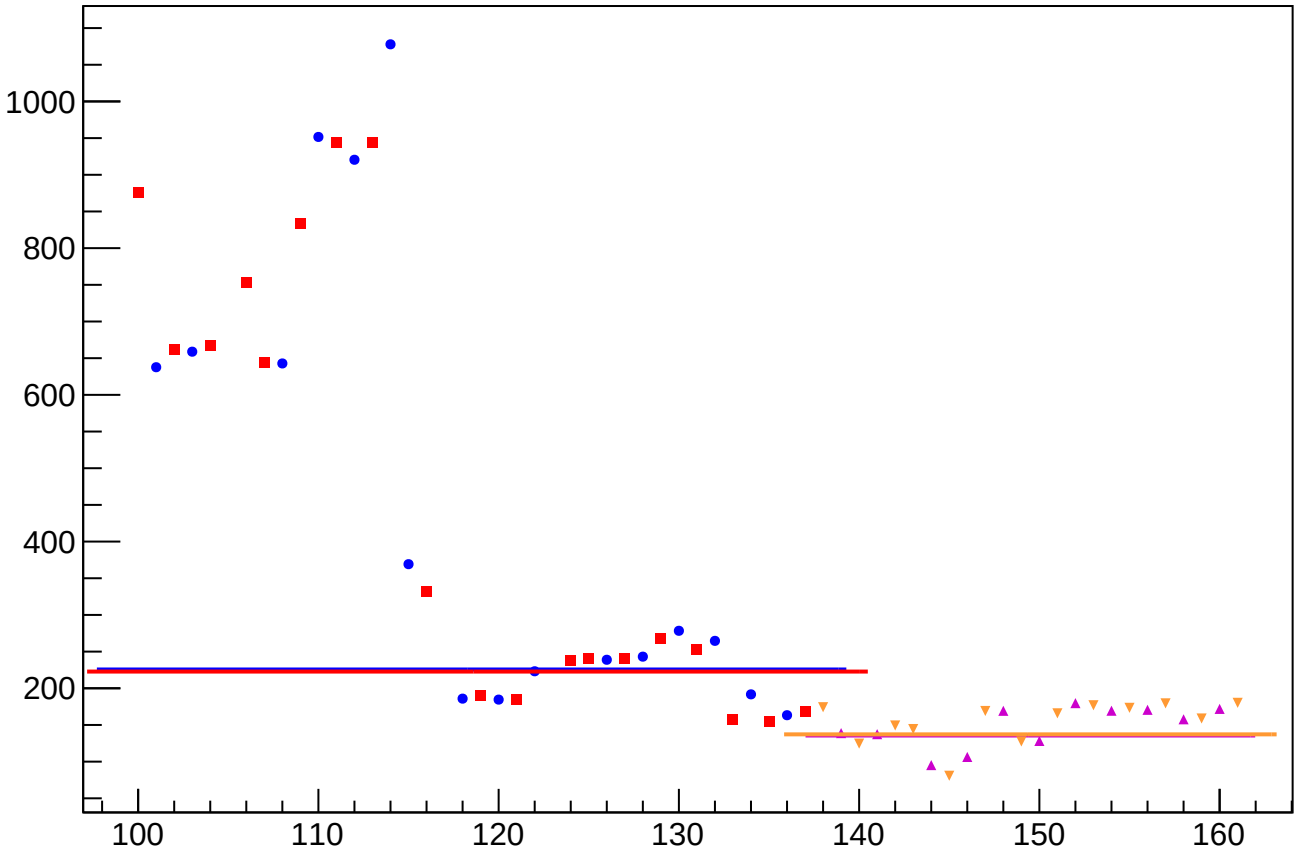
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -67.632+/-45.432 χ^2/NDF:8.8/10

+ sign -130.835+/-40.136 χ^2/NDF: 28.8/28

All: -105.063+/-28.667 χ^2/NDF: 55.1/58

- sign -78.222+/-40.960 χ^2/NDF: 25.5/29



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 137.193+/-0.031 χ^2/NDF:1368312.0/12

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

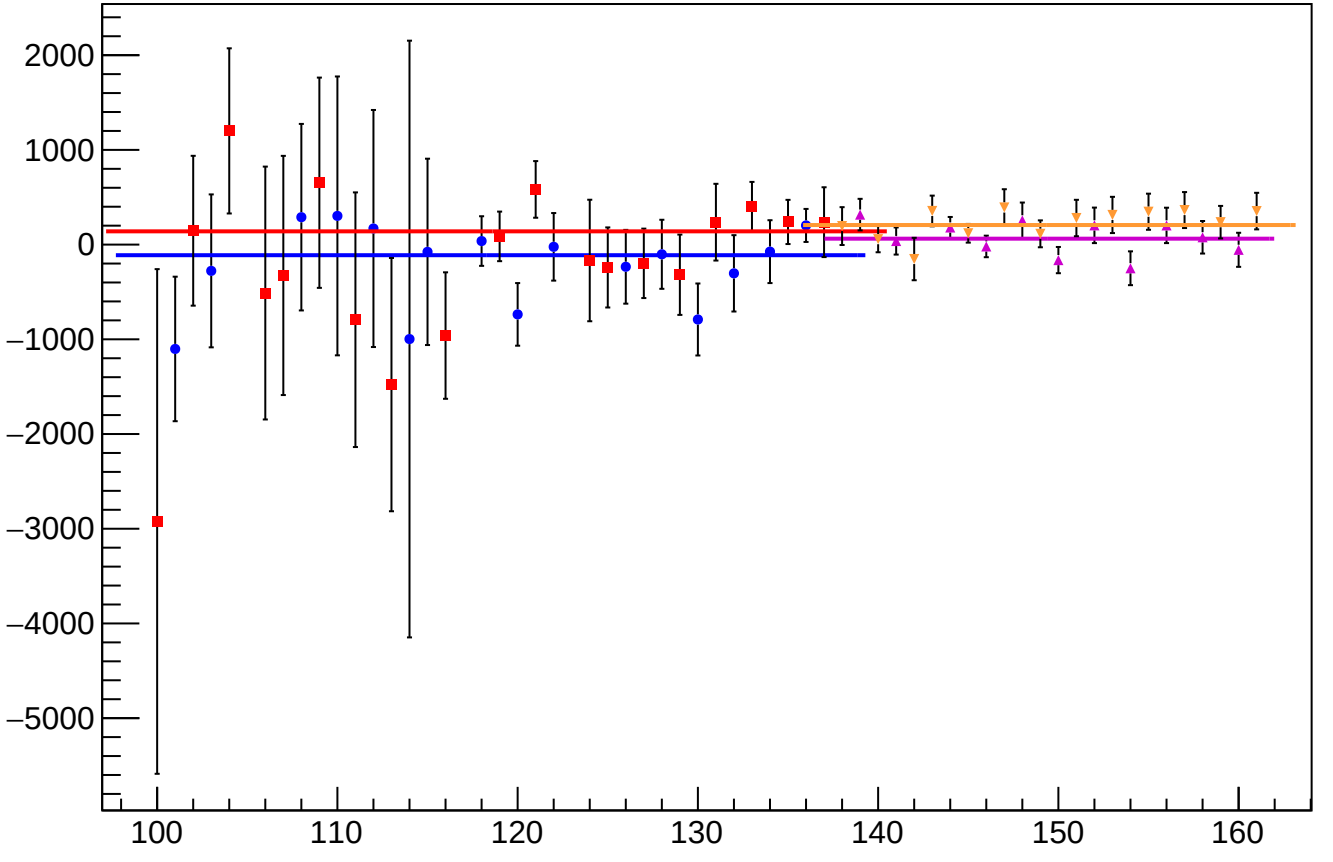
Left In: 135.616+/-0.032 χ^2/NDF:844719.9/10

+ sign 153.145+/-0.028 χ^2/NDF: 5829625.7/28

All: 152.553+/-0.020 χ^2/NDF: 11901732.6/58

- sign 151.935+/-0.029 χ^2/NDF: 6071216.6/29

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 206.617+/-45.422 χ^2/NDF:9.0/12

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

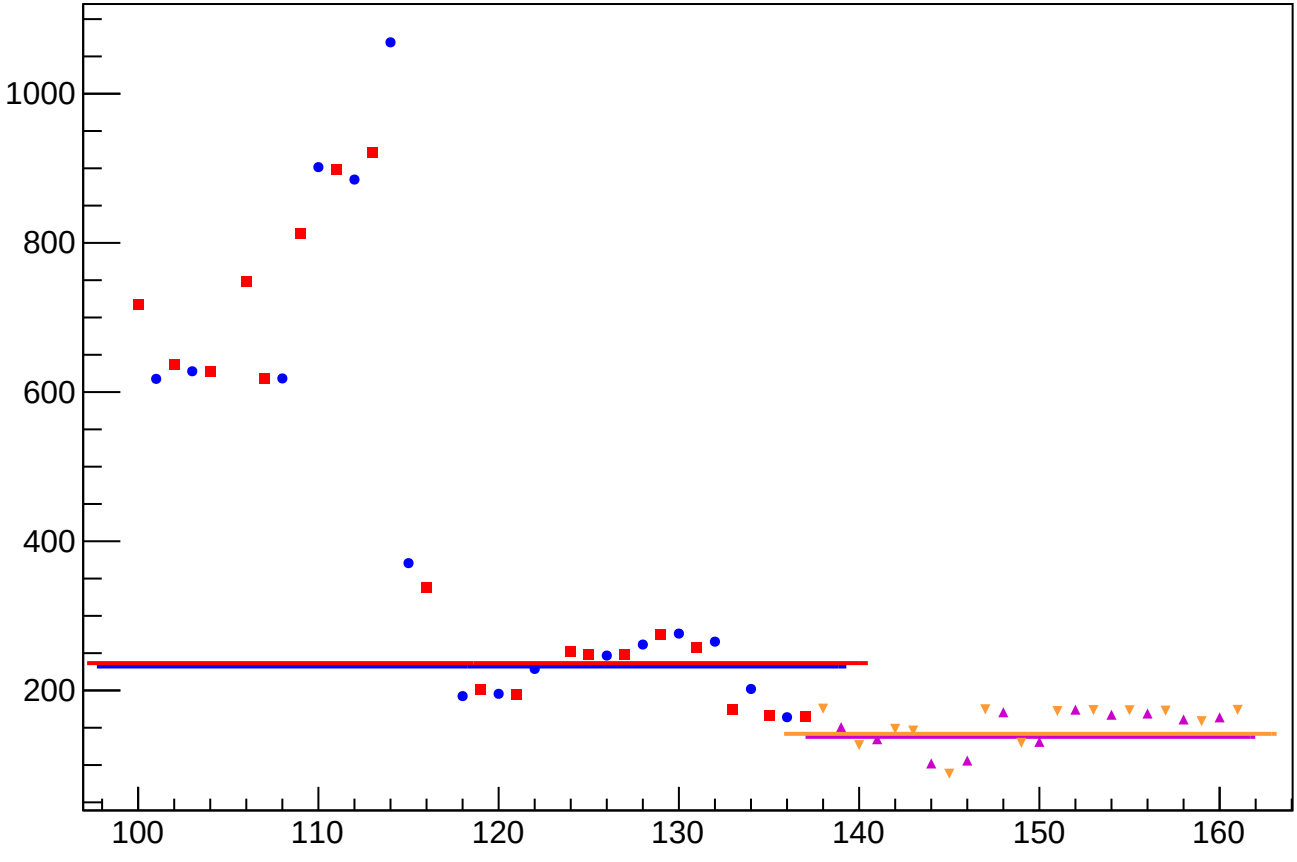
Left In: 62.524+/-45.804 χ^2/NDF:12.3/10

+ sign 148.895+/-41.101 χ^2/NDF: 30.8/28

All: 112.942+/-29.231 χ^2/NDF: 59.8/58

- sign 76.140+/-41.583 χ^2/NDF: 27.5/29

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 141.842+/-0.032 χ^2/NDF:1033614.8/12

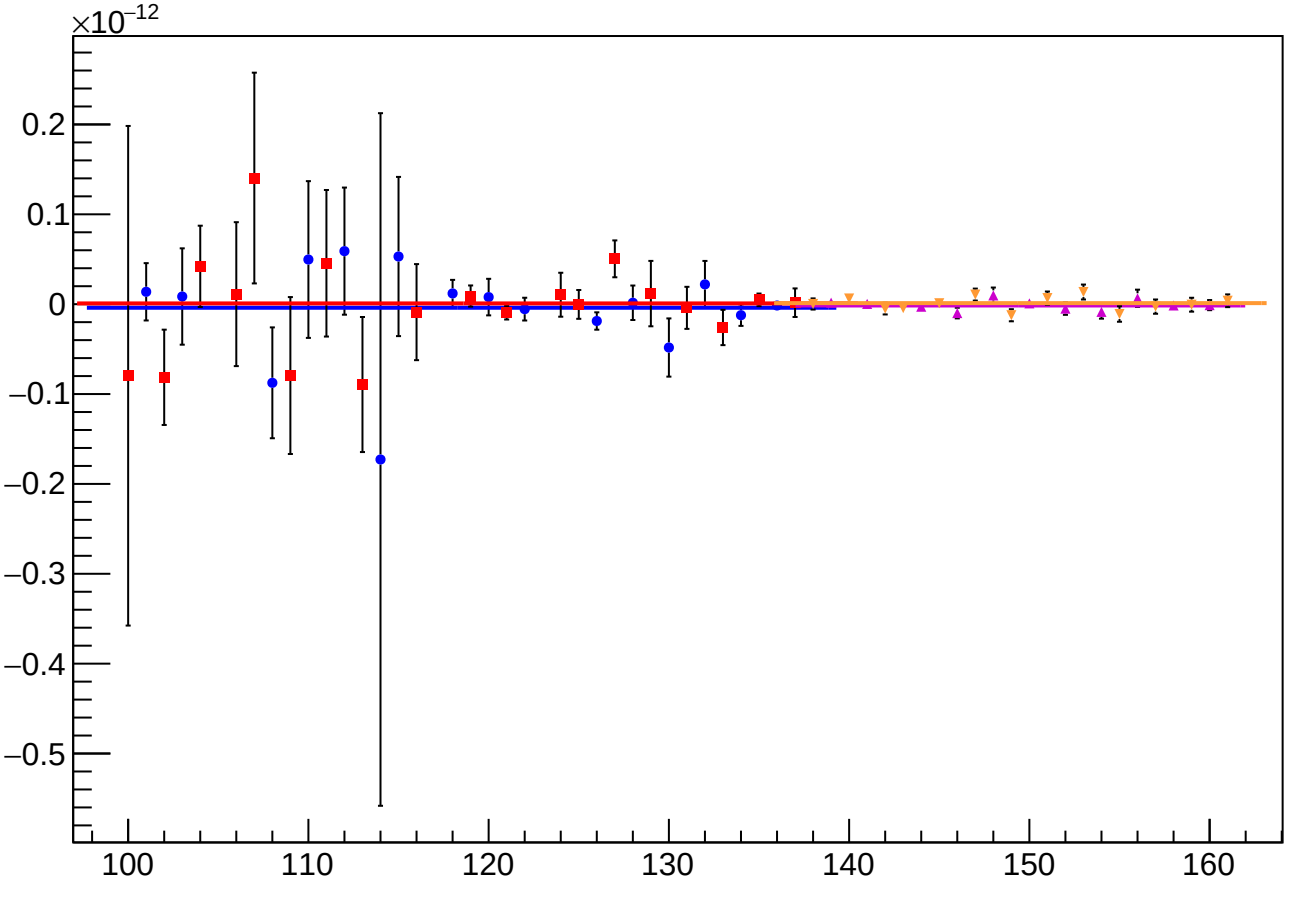
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 137.823+/-0.032 χ^2/NDF:708086.0/10

+ sign 158.199+/-0.029 χ^2/NDF: 5350423.6/28

All: 156.715+/-0.021 χ^2/NDF: 11221598.6/58

- sign 155.197+/-0.029 χ^2/NDF: 5865901.4/29



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/12

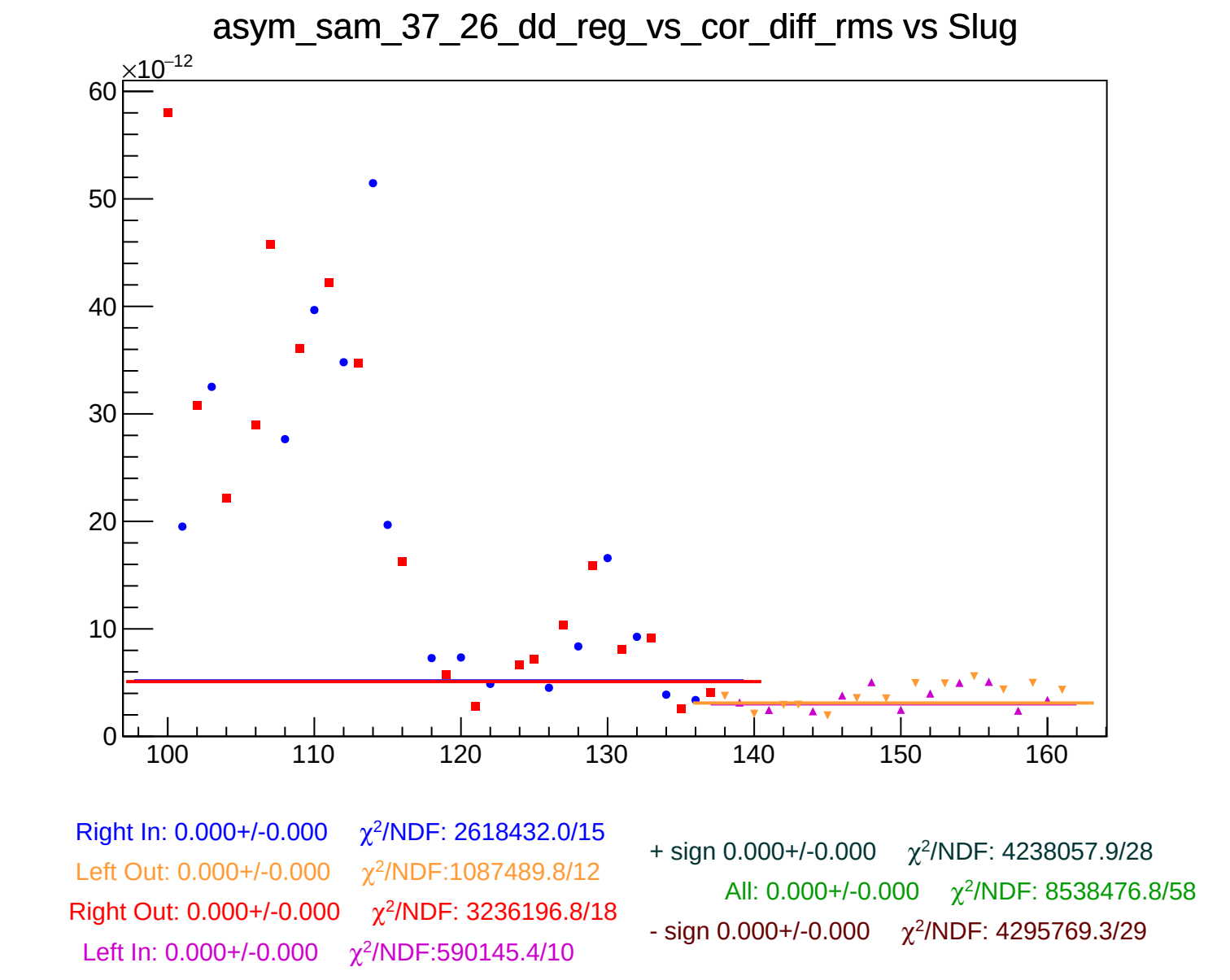
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/10

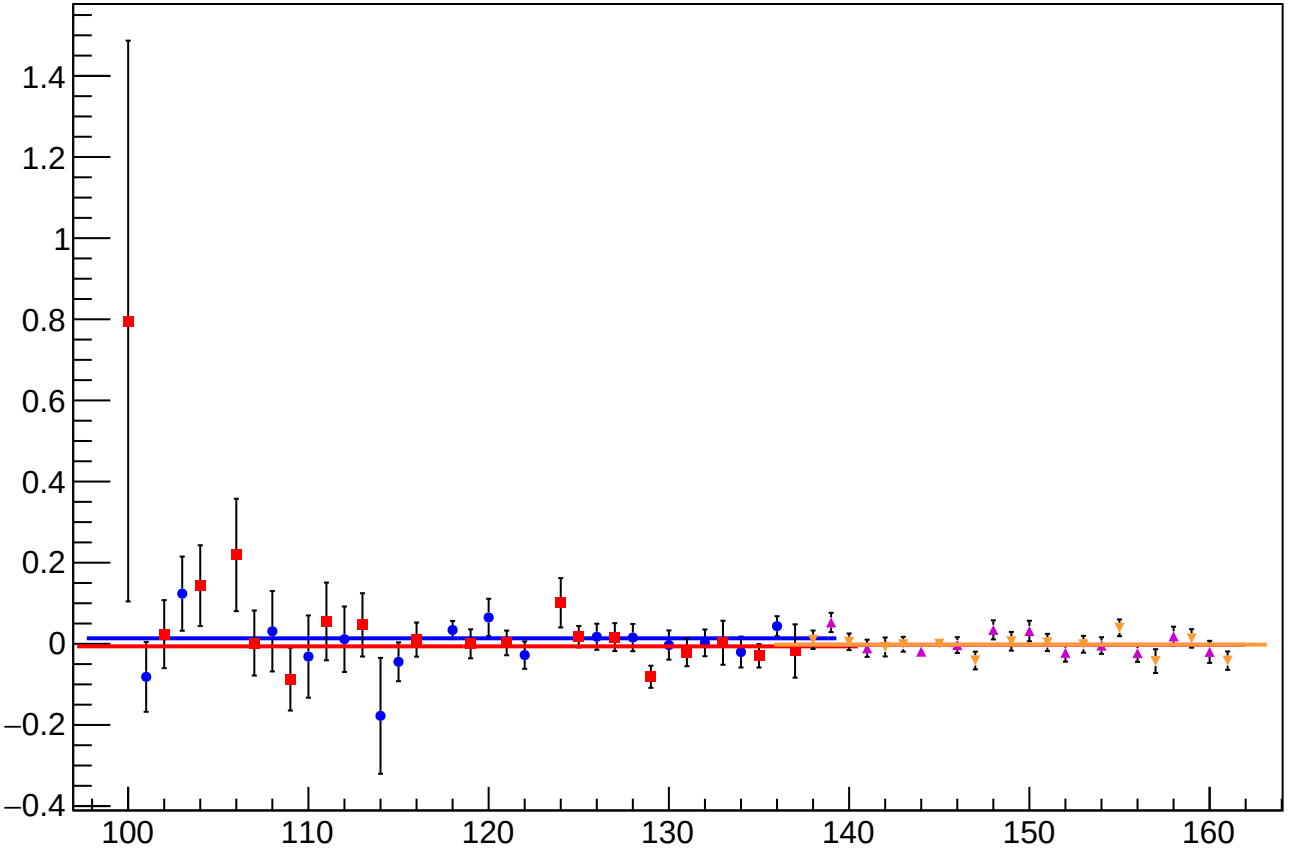
+ sign 0.000+/-0.000 χ^2/NDF: 28.5/28

All: -0.000+/-0.000 χ^2/NDF: 53.8/58

- sign -0.000+/-0.000 χ^2/NDF: 24.8/29


asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2618432.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1087489.8/12
Right Out: 0.000+/-0.000 χ²/NDF: 3236196.8/18
Left In: 0.000+/-0.000 χ²/NDF:590145.4/10
+ sign 0.000+/-0.000 χ²/NDF: 4238057.9/28
All: 0.000+/-0.000 χ²/NDF: 8538476.8/58
- sign 0.000+/-0.000 χ²/NDF: 4295769.3/29

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:13.3/12

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

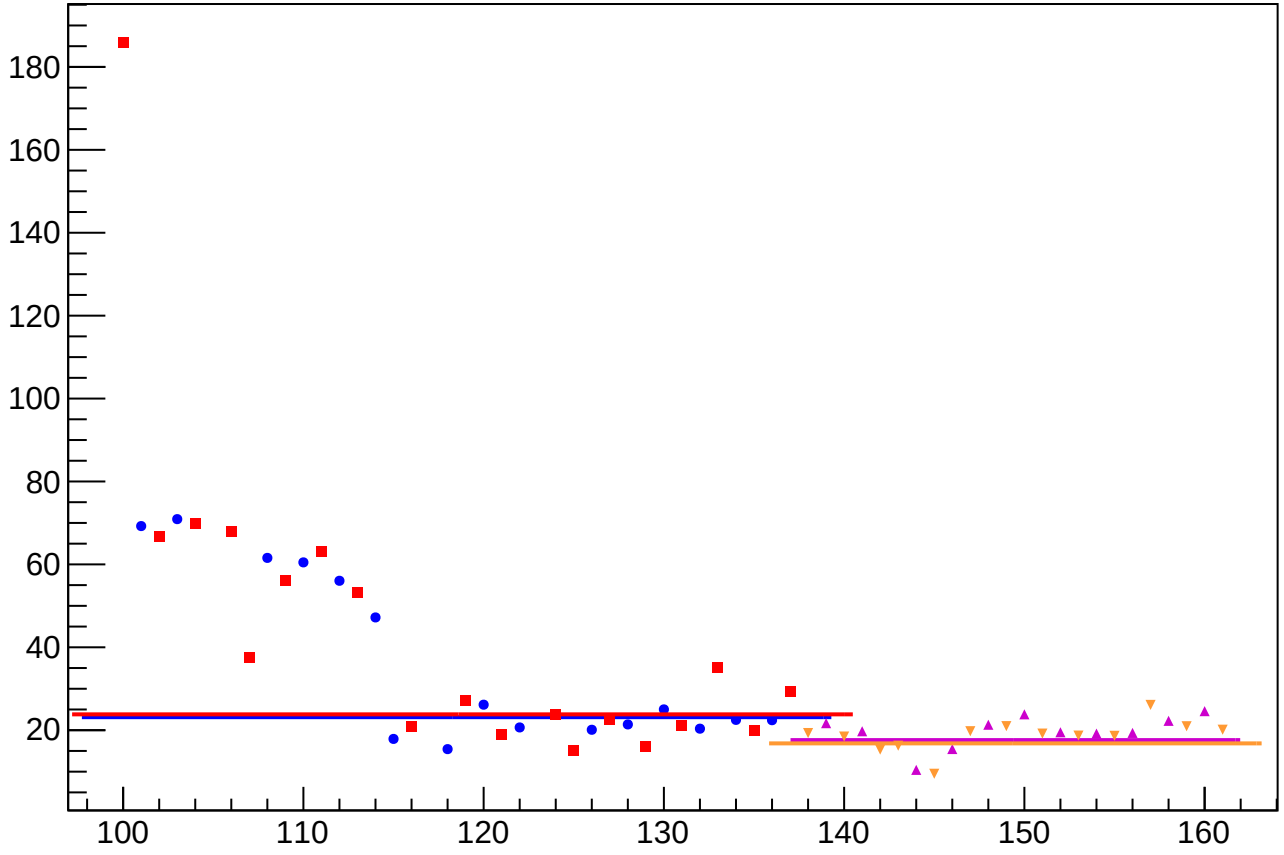
Left In: -0.002+/-0.006 χ^2/NDF:14.7/10

+ sign 0.002+/-0.005 χ^2/NDF: 27.5/28

All: -0.001+/-0.004 χ^2/NDF: 64.3/58

- sign -0.003+/-0.005 χ^2/NDF: 36.2/29

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: 16.821+/-0.004 χ^2/NDF:1354523.1/12

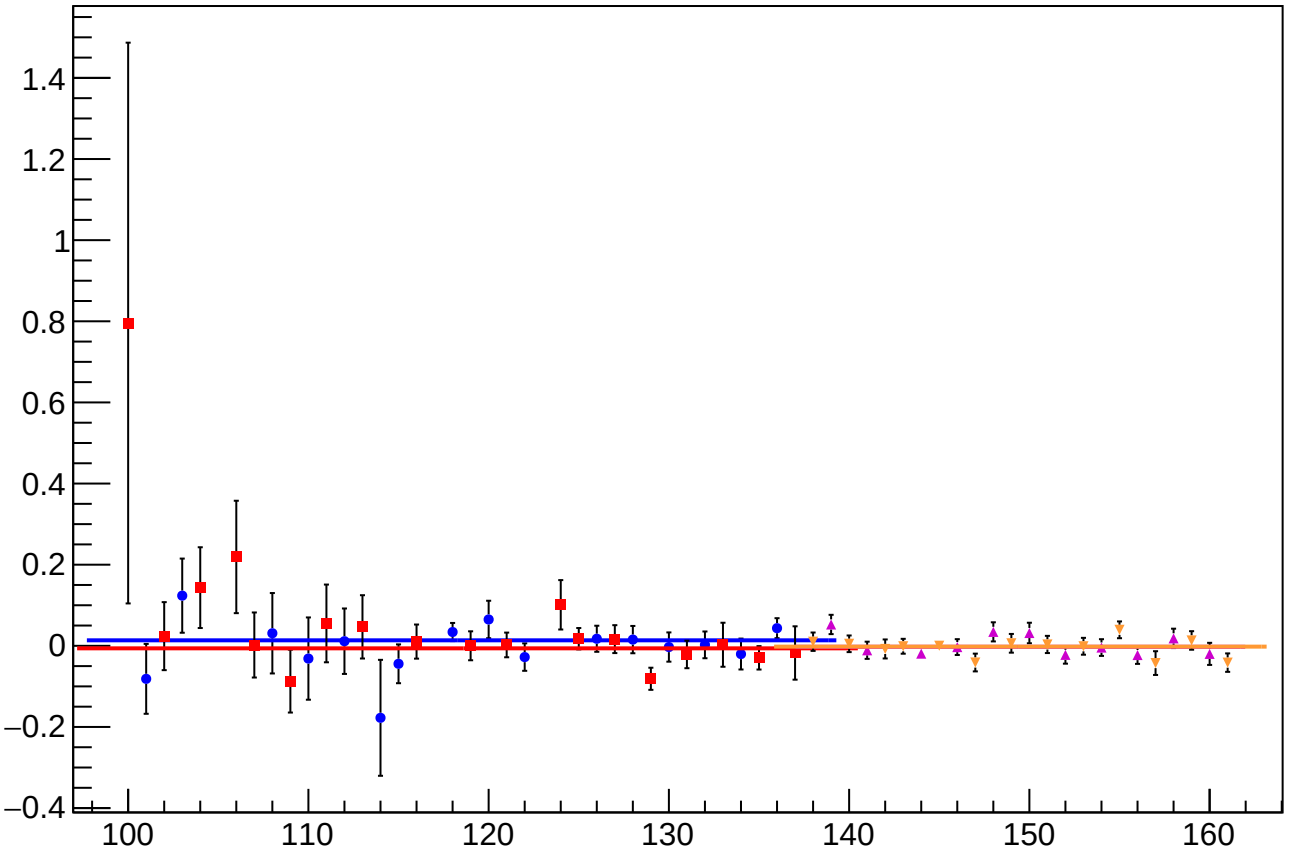
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.613+/-0.004 χ^2/NDF:1262118.6/10

+ sign 18.333+/-0.003 χ^2/NDF: 4388740.0/28

All: 18.770+/-0.003 χ^2/NDF: 9142288.4/58

- sign 19.282+/-0.004 χ^2/NDF: 4717803.1/29



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:13.3/12

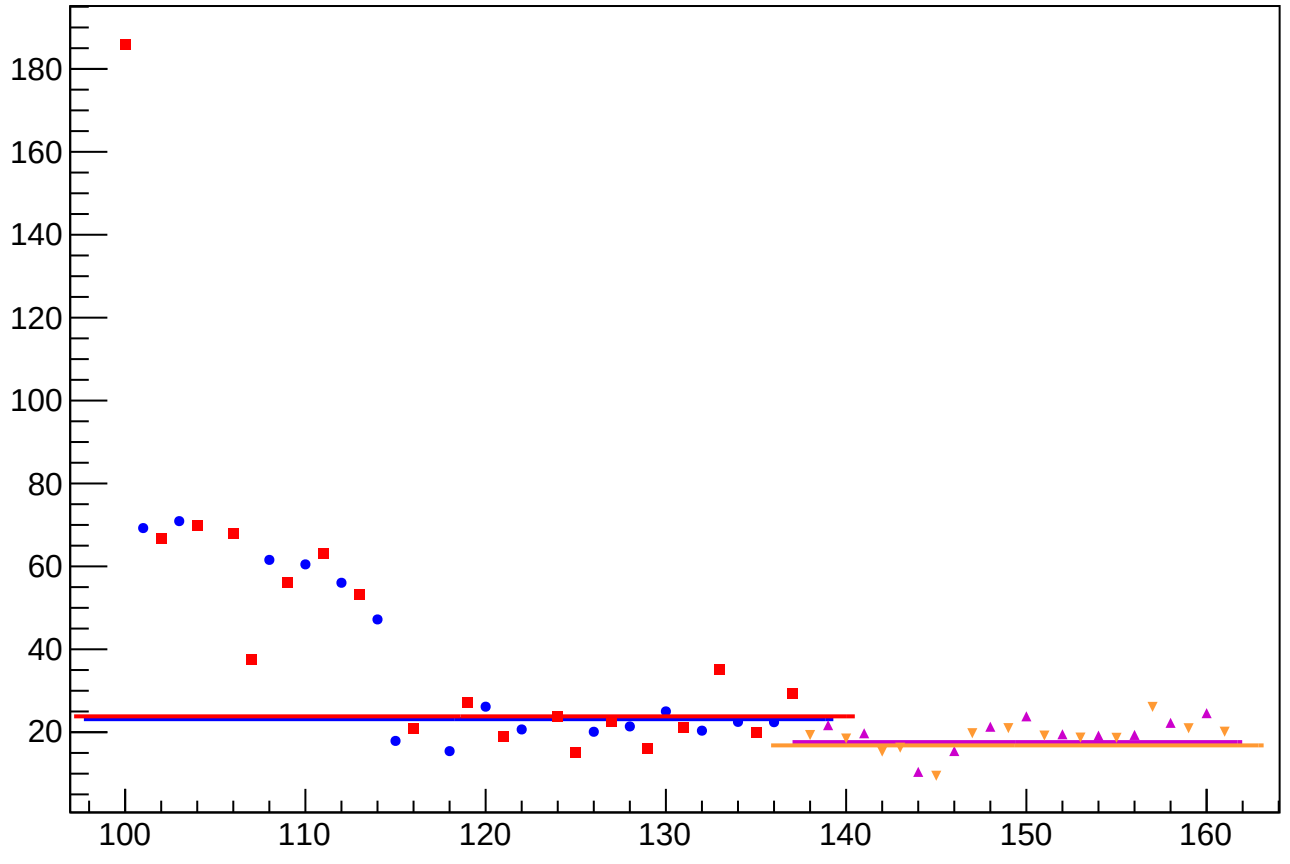
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:14.7/10

+ sign 0.002+/-0.005 χ^2/NDF: 27.5/28

All: -0.001+/-0.004 χ^2/NDF: 64.3/58

- sign -0.003+/-0.005 χ^2/NDF: 36.2/29



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.821+/-0.004 χ^2/NDF:1354523.1/12

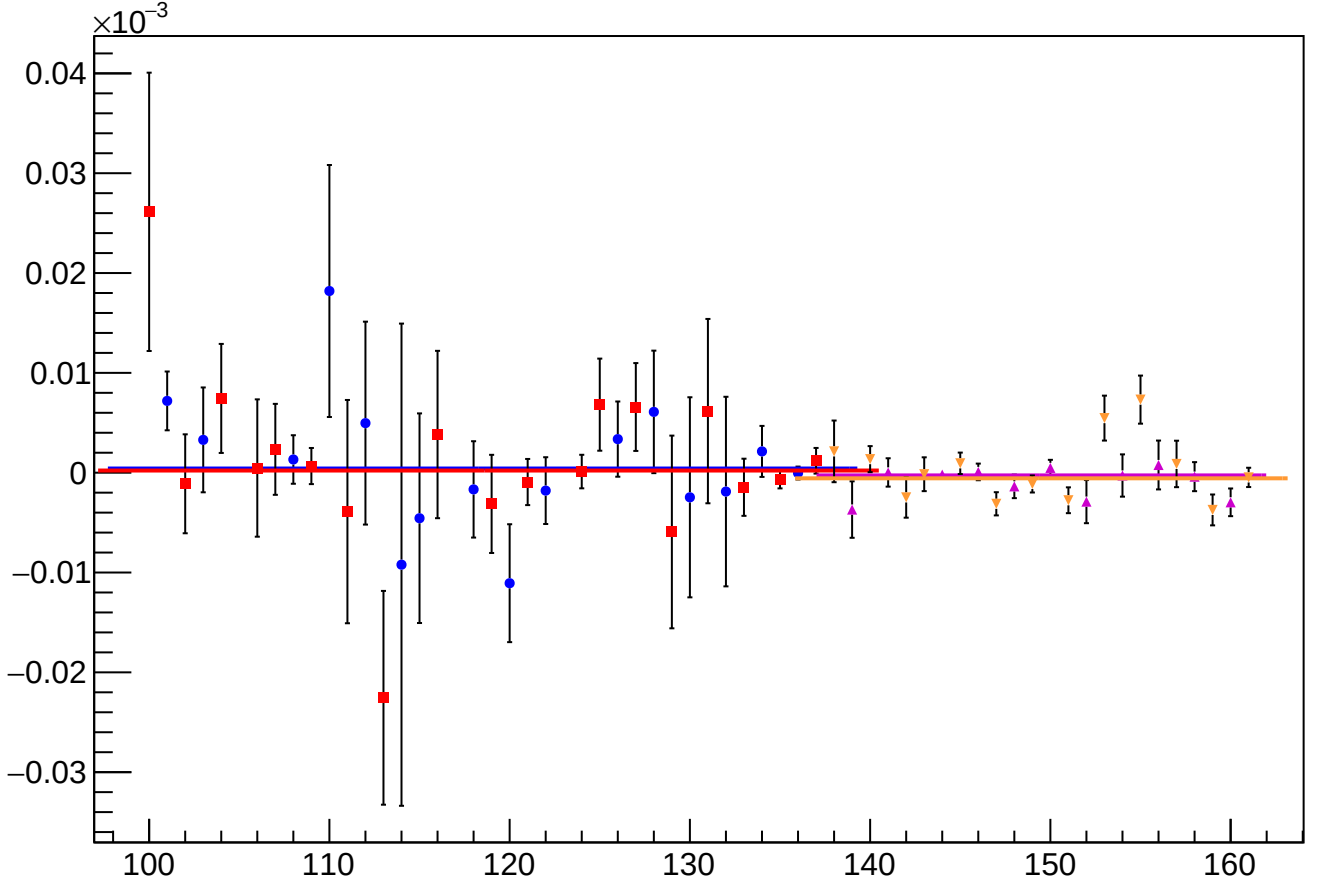
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.613+/-0.004 χ^2/NDF:1262118.6/10

+ sign 18.333+/-0.003 χ^2/NDF: 4388740.0/28

All: 18.770+/-0.003 χ^2/NDF: 9142288.4/58

- sign 19.282+/-0.004 χ^2/NDF: 4717803.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.5/12

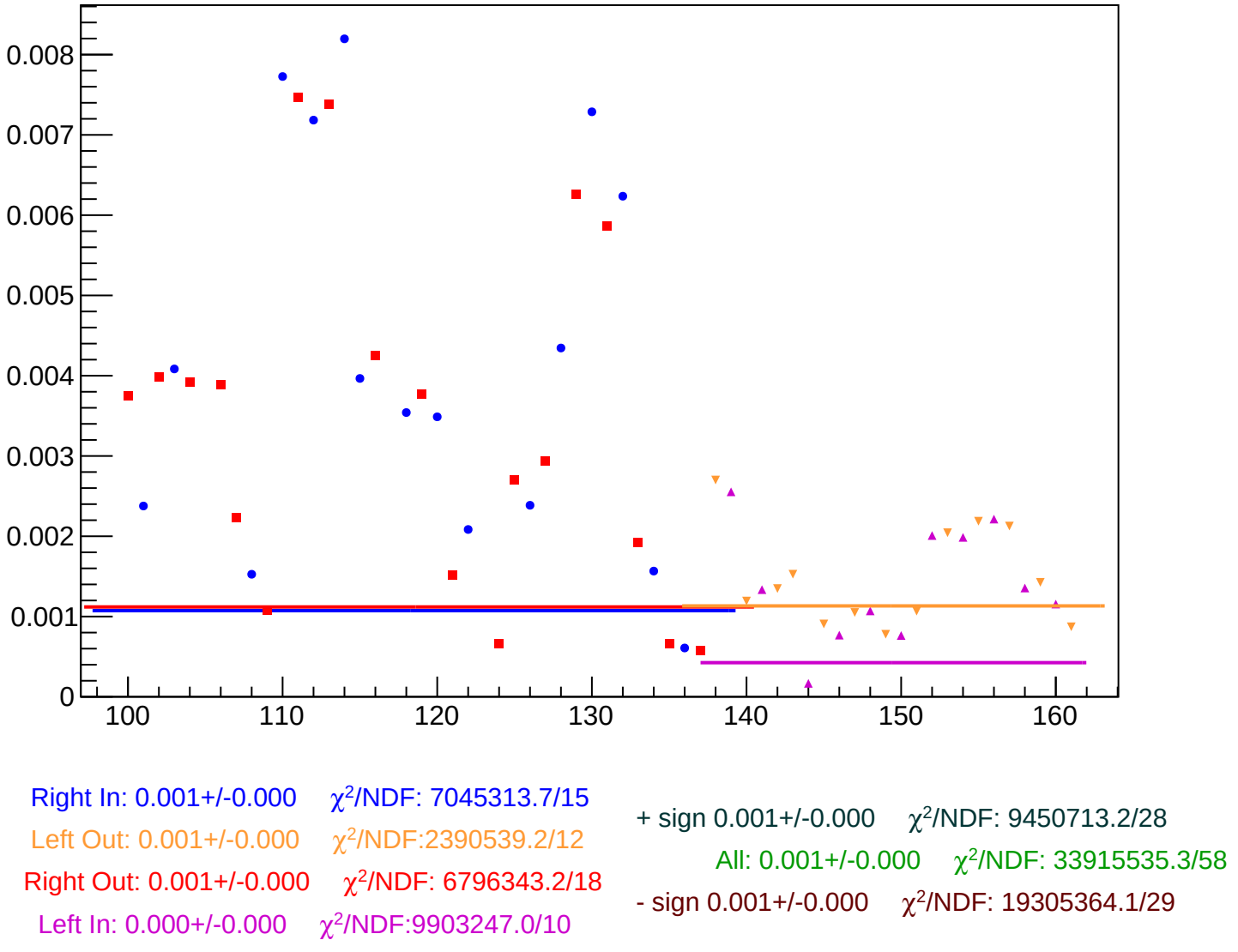
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 53.8/28

All: -0.000+/-0.000 χ^2/NDF: 81.3/58

- sign -0.000+/-0.000 χ^2/NDF: 27.5/29


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
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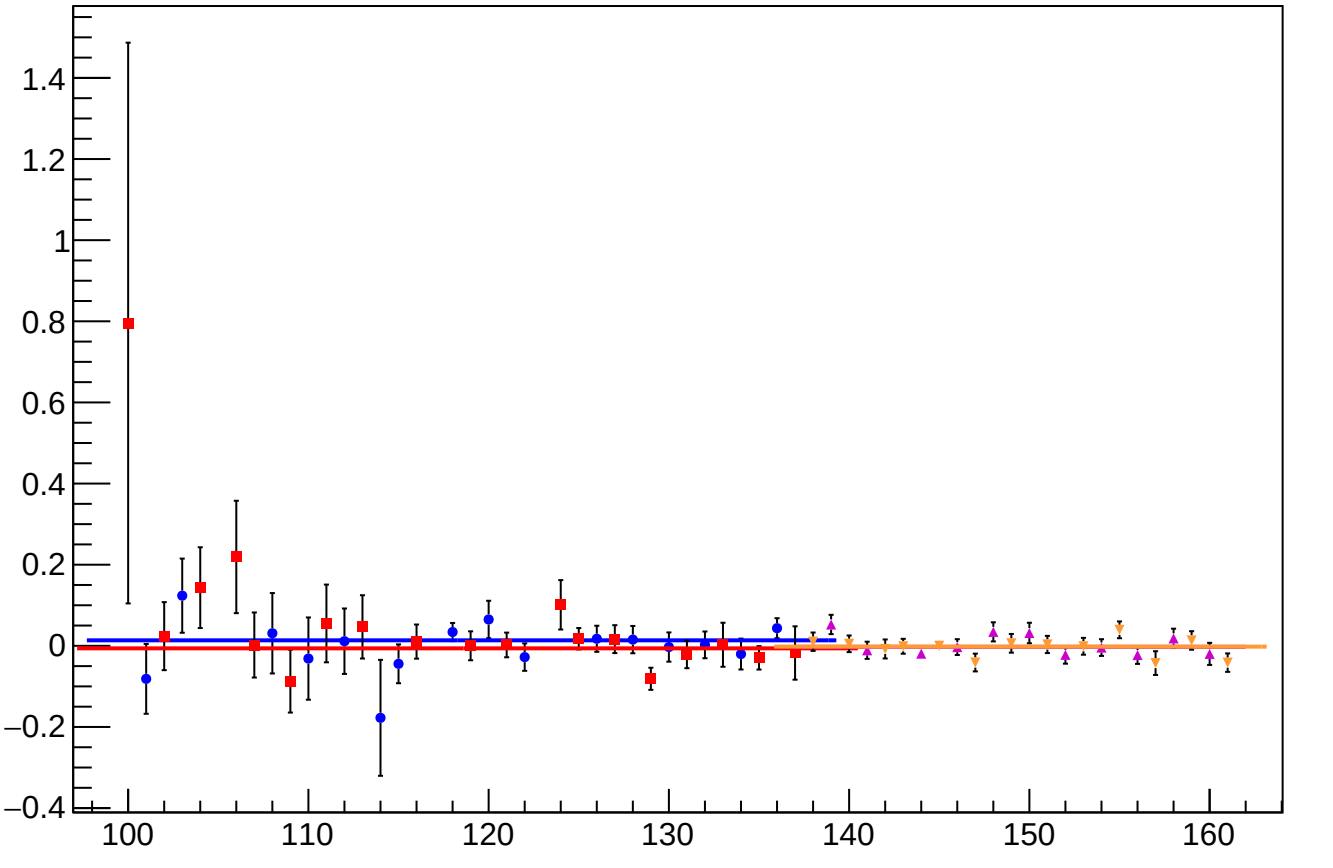
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:2390539.2/12
Right Out: 0.001+/-0.000 χ²/NDF: 6796343.2/18
Left In: 0.000+/-0.000 χ²/NDF:9903247.0/10
+ sign 0.001+/-0.000 χ²/NDF: 9450713.2/28
All: 0.001+/-0.000 χ²/NDF: 33915535.3/58
- sign 0.001+/-0.000 χ²/NDF: 19305364.1/29



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:13.3/12

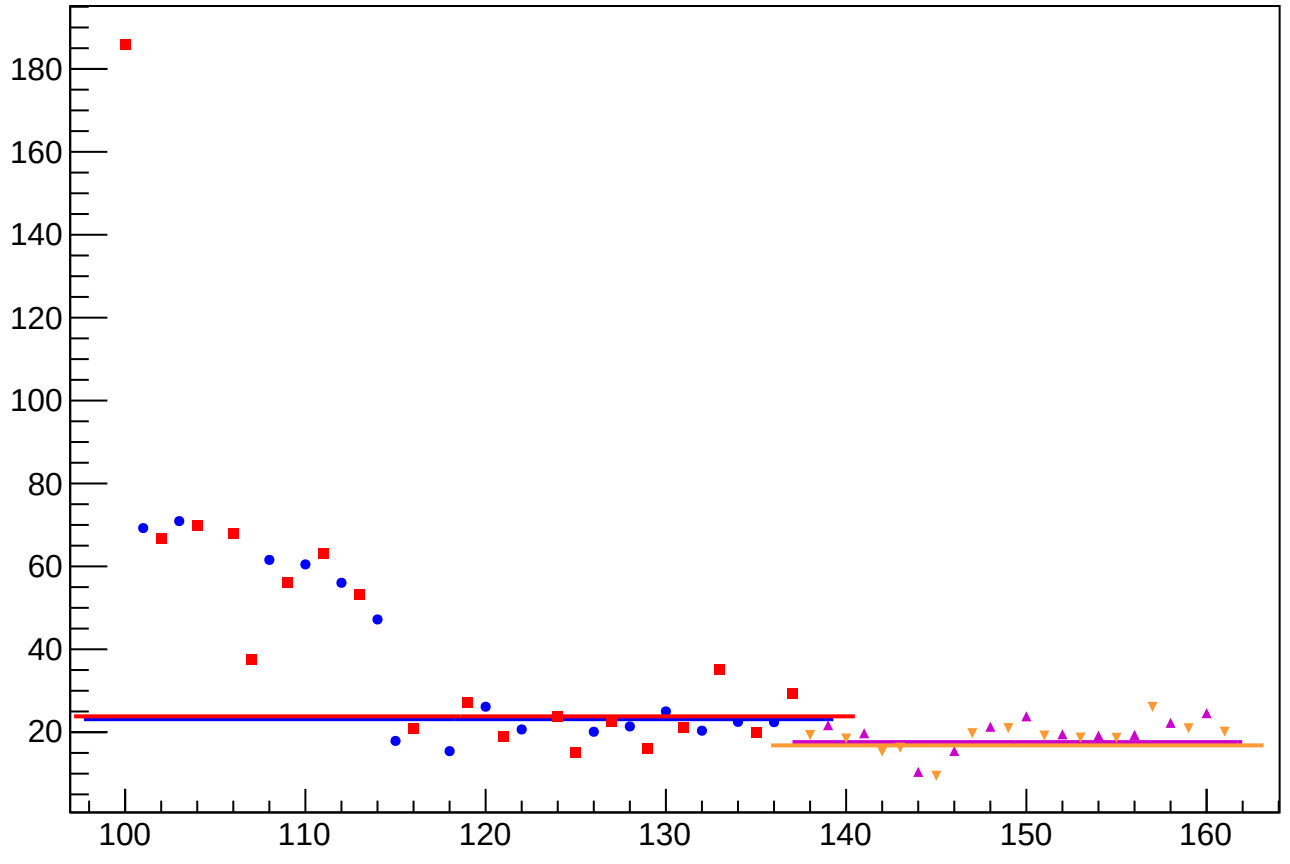
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:14.7/10

+ sign 0.002+/-0.005 χ^2/NDF: 27.5/28

All: -0.001+/-0.004 χ^2/NDF: 64.3/58

- sign -0.003+/-0.005 χ^2/NDF: 36.2/29



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.821+/-0.004 χ^2/NDF:1354631.6/12

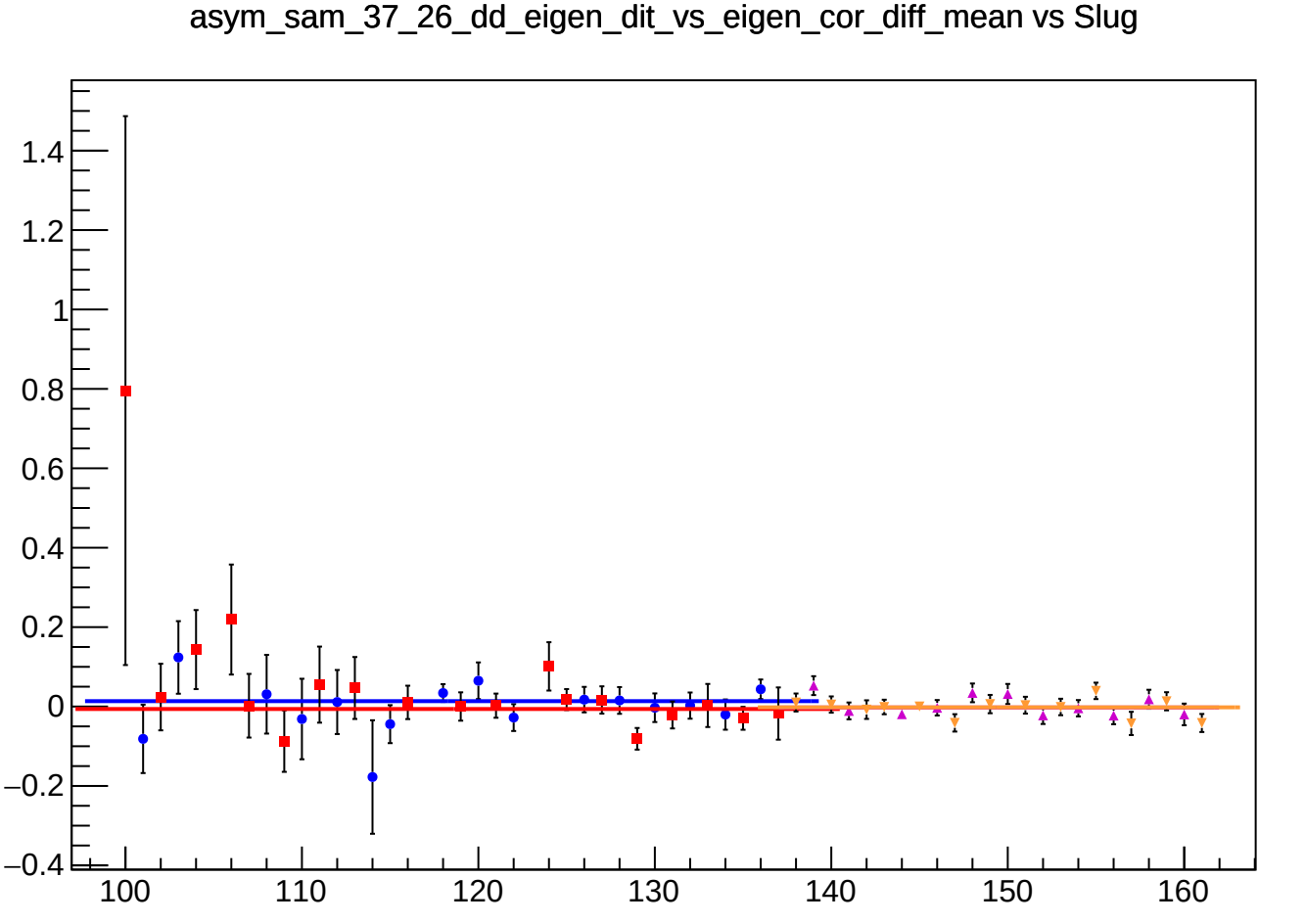
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.613+/-0.004 χ^2/NDF:1262097.4/10

+ sign 18.333+/-0.003 χ^2/NDF: 4388640.1/28

All: 18.770+/-0.003 χ^2/NDF: 9142002.5/58

- sign 19.282+/-0.004 χ^2/NDF: 4717605.1/29



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:13.3/12

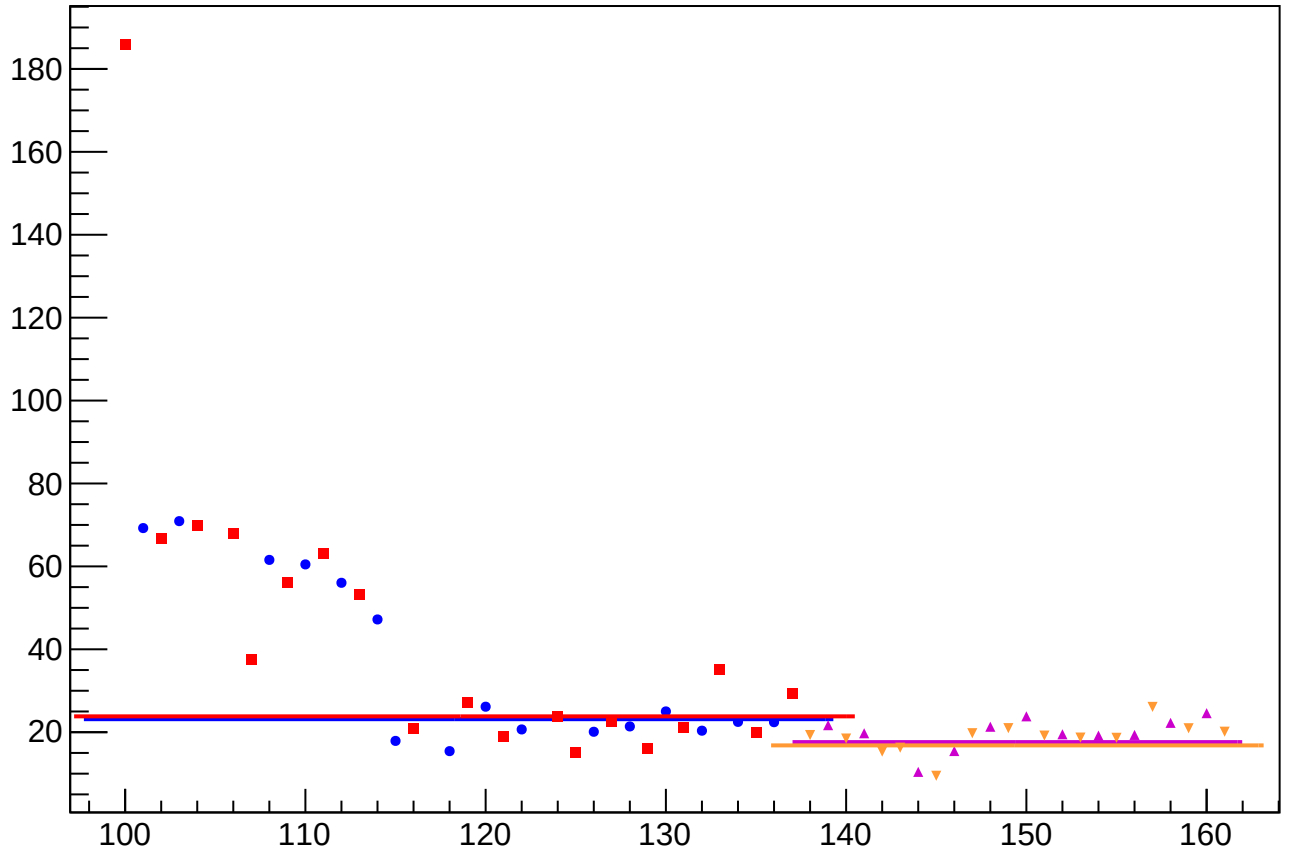
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:14.7/10

+ sign 0.002+/-0.005 χ^2/NDF: 27.5/28

All: -0.001+/-0.004 χ^2/NDF: 64.3/58

- sign -0.003+/-0.005 χ^2/NDF: 36.2/29



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.821+/-0.004 χ^2/NDF:1354631.6/12

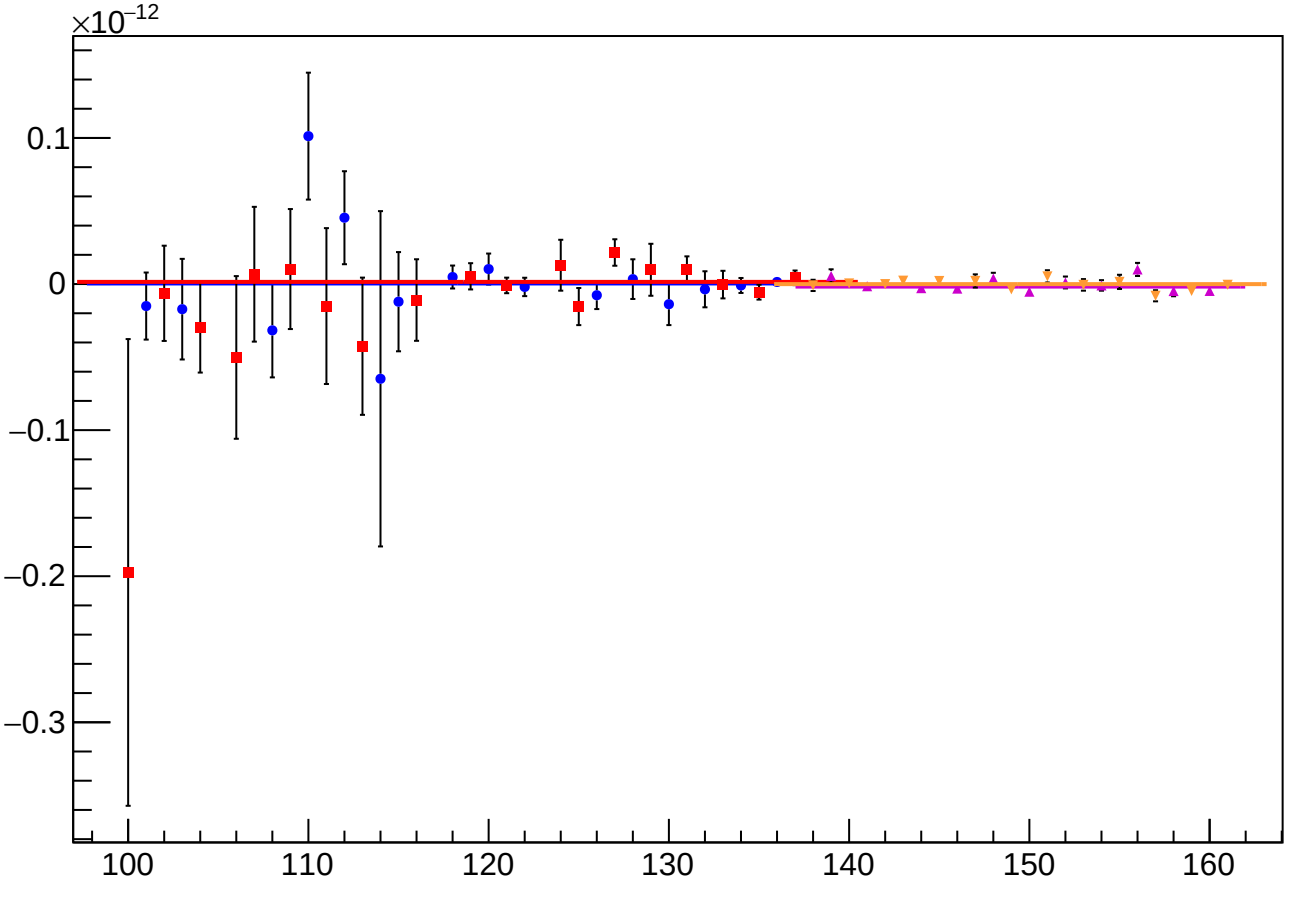
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.613+/-0.004 χ^2/NDF:1262097.4/10

+ sign 18.333+/-0.003 χ^2/NDF: 4388640.1/28

All: 18.770+/-0.003 χ^2/NDF: 9142002.5/58

- sign 19.282+/-0.004 χ^2/NDF: 4717605.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/12

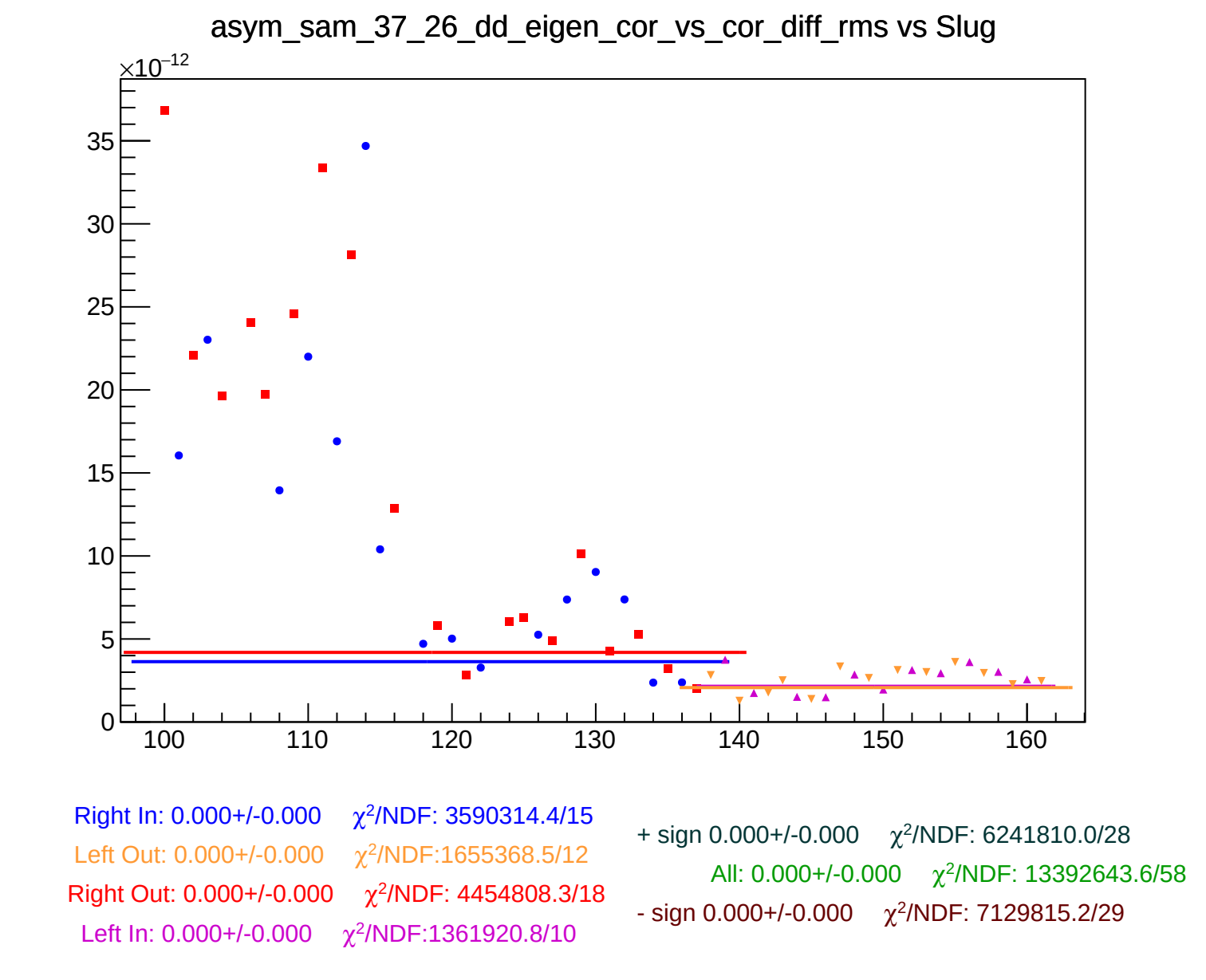
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/10

\+ sign 0.000+/-0.000 χ^2/NDF: 25.0/28

All: -0.000+/-0.000 χ^2/NDF: 59.4/58

\- sign -0.000+/-0.000 χ^2/NDF: 33.0/29


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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25
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15
10
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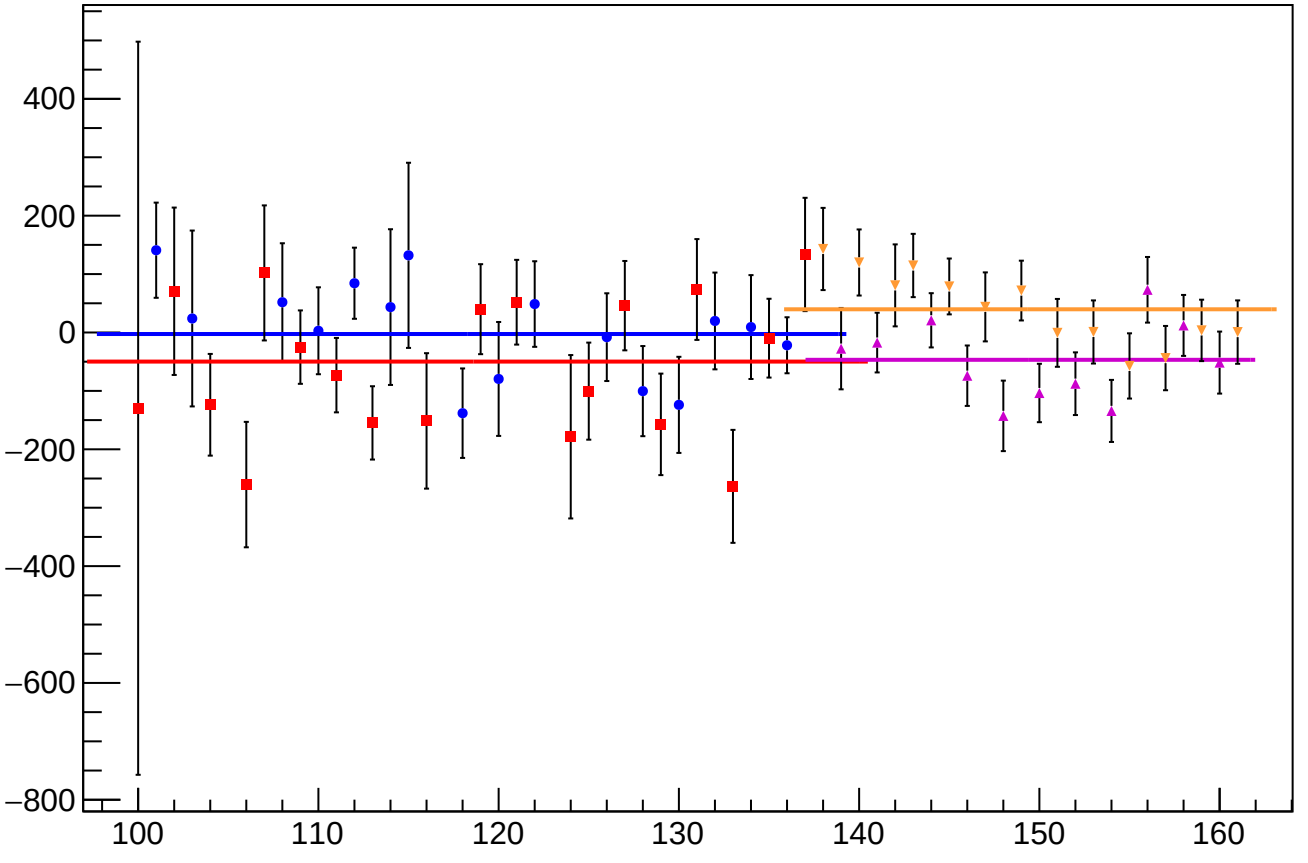
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1655368.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1361920.8/10
+ sign 0.000+/-0.000 χ²/NDF: 6241810.0/28
All: 0.000+/-0.000 χ²/NDF: 13392643.6/58
- sign 0.000+/-0.000 χ²/NDF: 7129815.2/29

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 39.718+/-15.515 χ^2/NDF:14.8/12

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

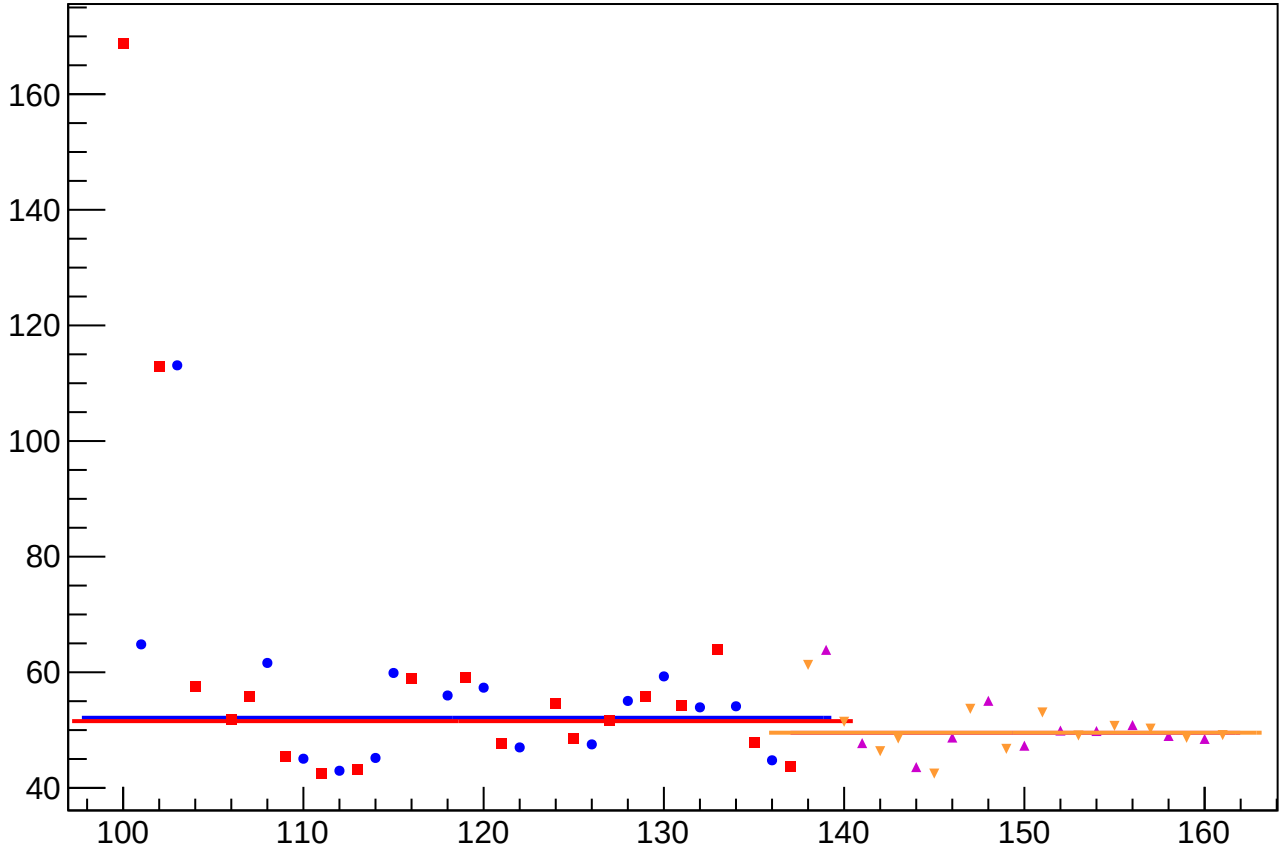
Left In: -46.773+/-16.134 χ^2/NDF:15.8/10

+ sign 23.808+/-12.257 χ^2/NDF: 32.2/28

All: -11.500+/-8.739 χ^2/NDF: 94.2/58

- sign -47.998+/-12.462 χ^2/NDF: 45.1/29

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.548+/-0.011 χ^2/NDF:131484.5/12

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

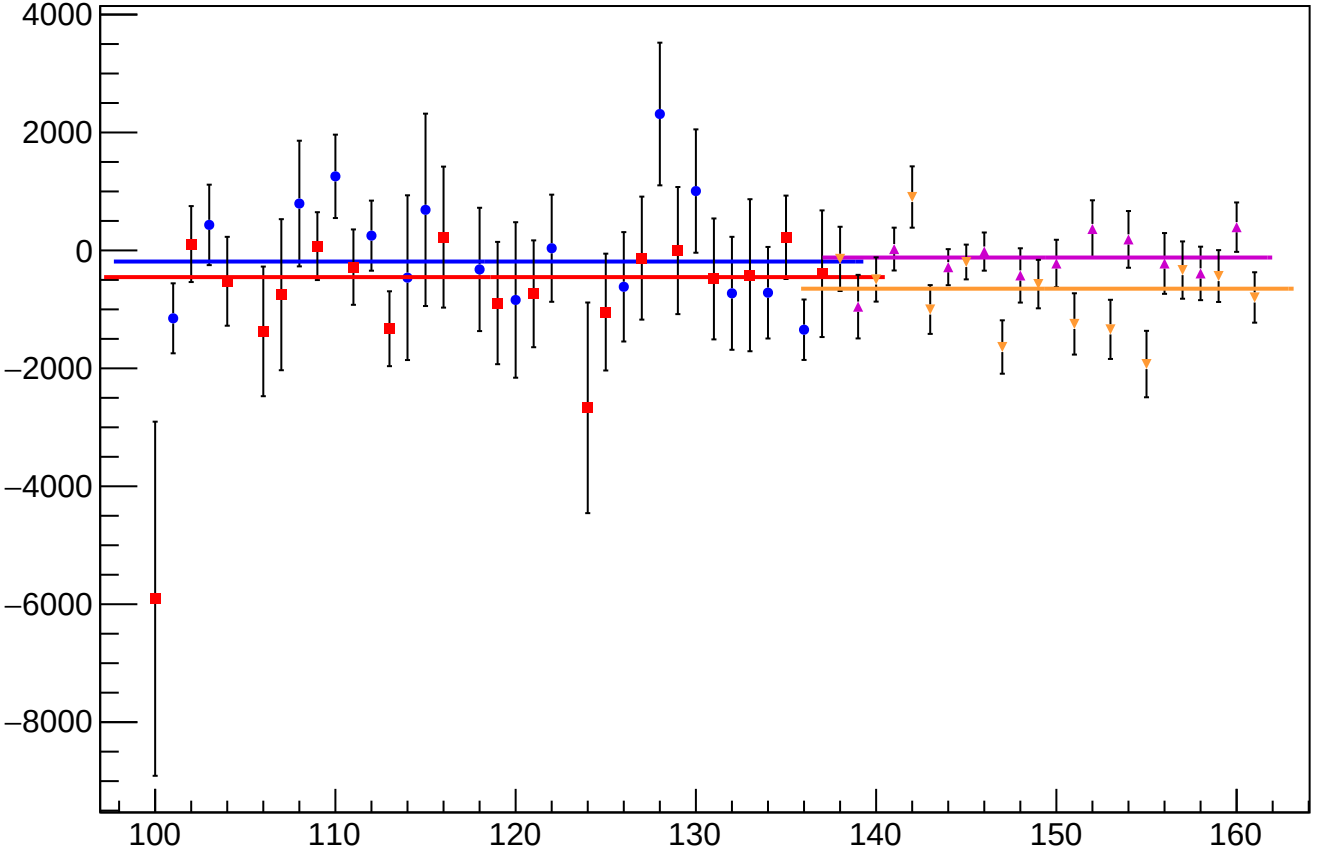
Left In: 49.519+/-0.011 χ^2/NDF:143502.7/10

+ sign 50.518+/-0.009 χ^2/NDF: 715199.9/28

All: 50.429+/-0.006 χ^2/NDF: 1511265.2/58

- sign 50.338+/-0.009 χ^2/NDF: 795854.3/29

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -649.036+/-121.259 χ^2/NDF:27.0/12

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

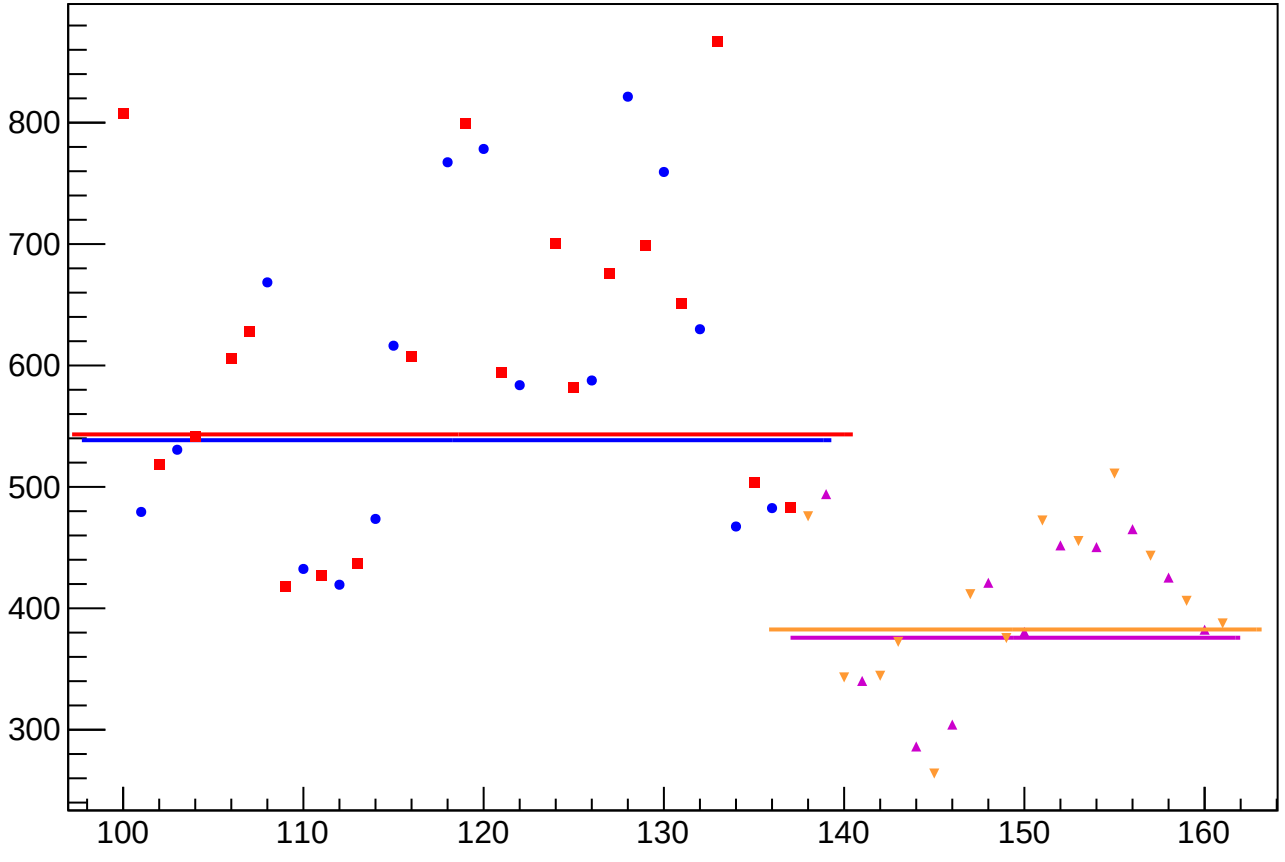
Left In: -120.573+/-123.996 χ^2/NDF:6.7/10

+ sign -530.380+/-104.475 χ^2/NDF: 52.1/28

All: -372.522+/-74.390 χ^2/NDF: 76.7/58

- sign -210.184+/-105.947 χ^2/NDF: 20.0/29

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 382.580+/-0.086 χ^2/NDF:668380.3/12

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

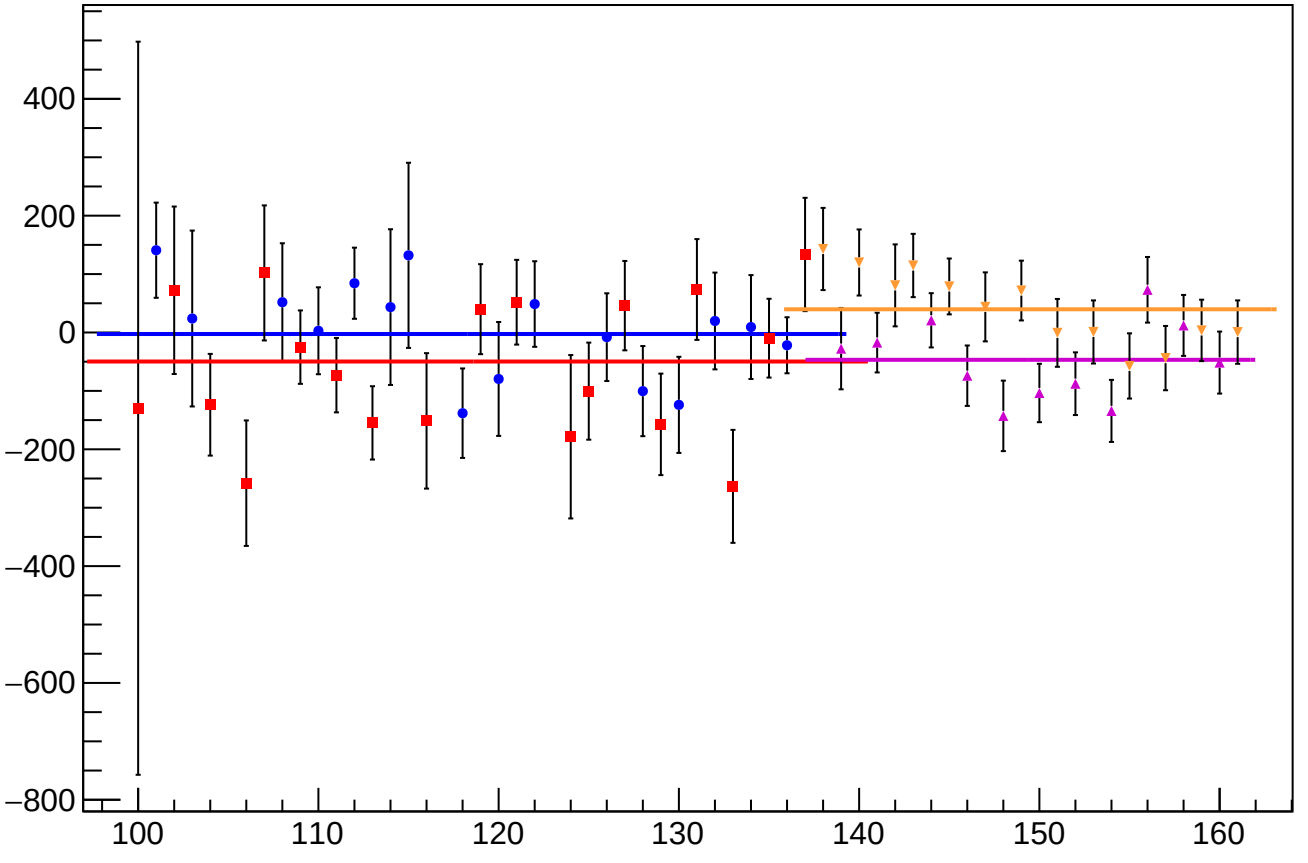
Left In: 375.772+/-0.088 χ^2/NDF:585997.4/10

+ sign 422.749+/-0.074 χ^2/NDF: 2134118.4/28

All: 421.876+/-0.053 χ^2/NDF: 4342321.6/58

- sign 420.979+/-0.075 χ^2/NDF: 2207919.9/29

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 39.718+/-15.515 χ^2/NDF:14.8/12

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

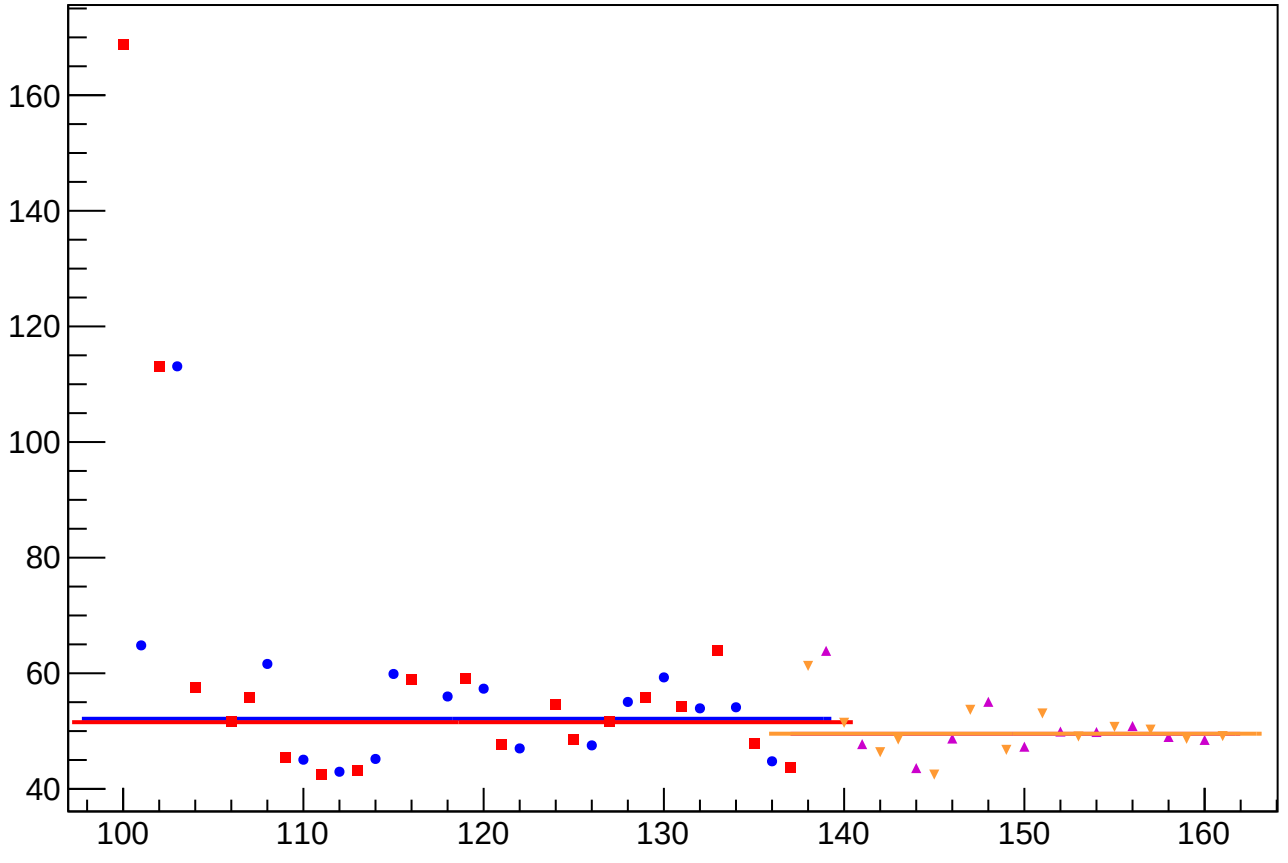
Left In: -46.774+/-16.134 χ^2/NDF:15.8/10

+ sign 23.807+/-12.257 χ^2/NDF: 32.2/28

All: -11.478+/-8.739 χ^2/NDF: 94.1/58

- sign -47.952+/-12.462 χ^2/NDF: 45.0/29

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.548+/-0.011 χ^2/NDF:131484.5/12

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

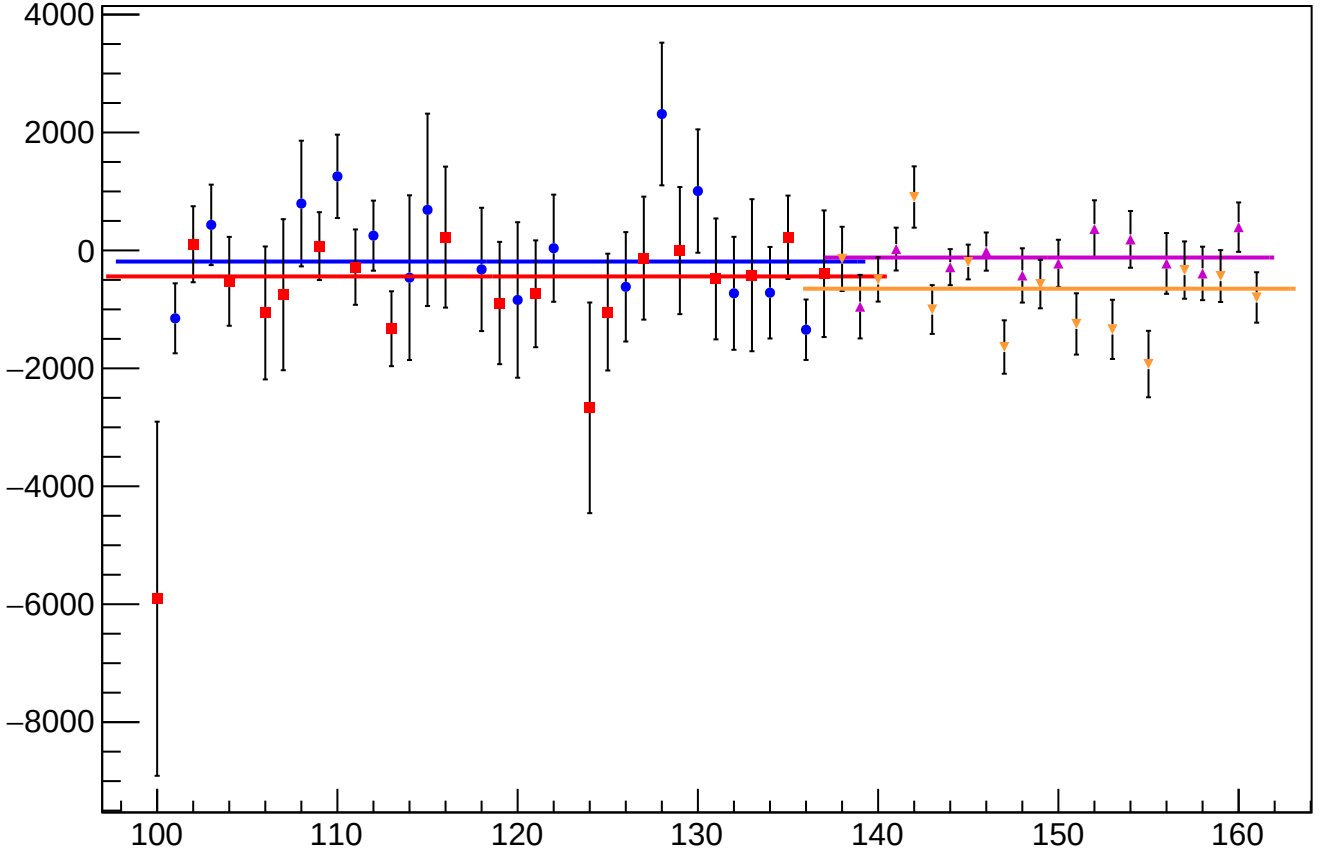
Left In: 49.519+/-0.011 χ^2/NDF:143502.7/10

+ sign 50.518+/-0.009 χ^2/NDF: 715202.2/28

All: 50.427+/-0.006 χ^2/NDF: 1511367.4/58

- sign 50.334+/-0.009 χ^2/NDF: 795944.3/29

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -649.035+/-121.259 χ^2/NDF:27.0/12

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

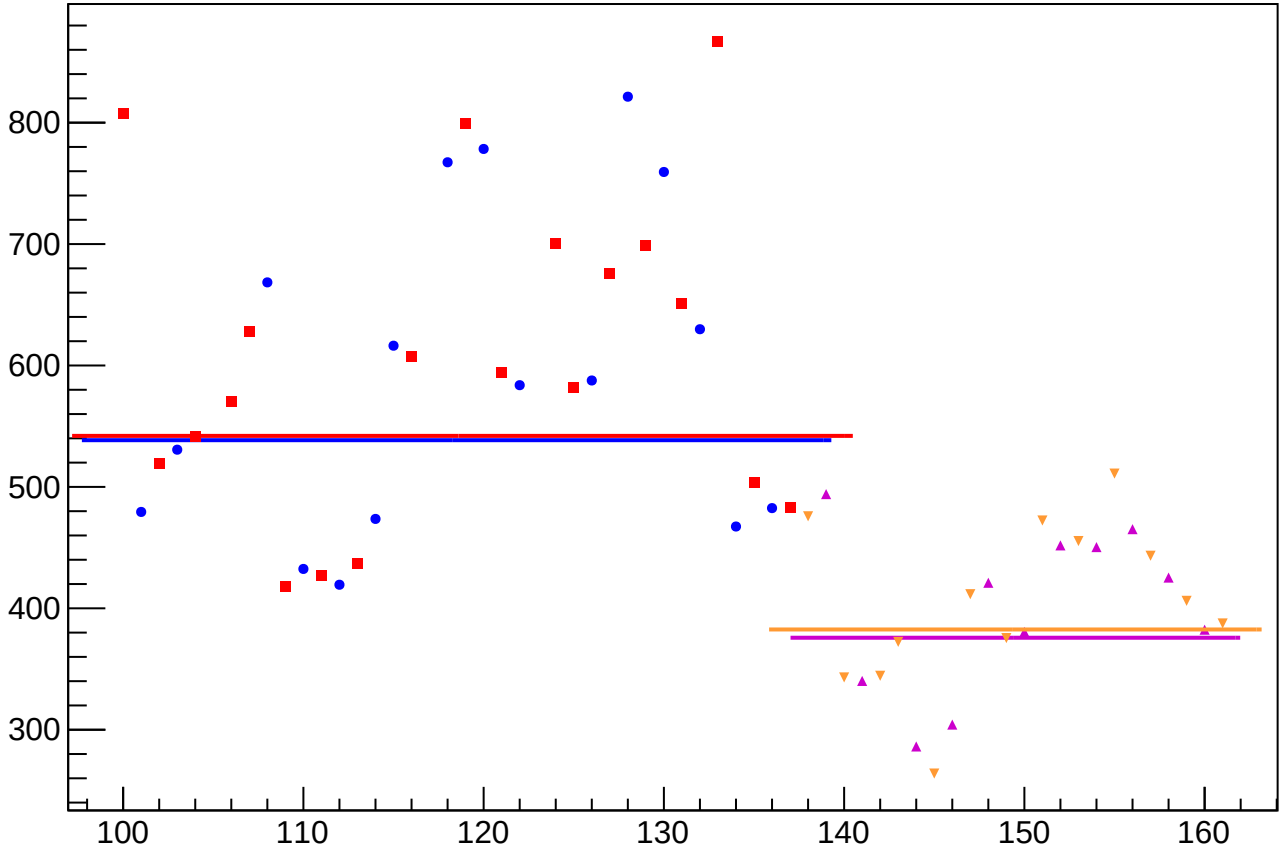
Left In: -120.576+/-123.996 χ^2/NDF:6.7/10

+ sign -530.376+/-104.475 χ^2/NDF: 52.1/28

All: -370.990+/-74.399 χ^2/NDF: 76.2/58

- sign -206.998+/-105.974 χ^2/NDF: 19.4/29

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 382.580+/-0.086 χ^2/NDF:668383.8/12

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

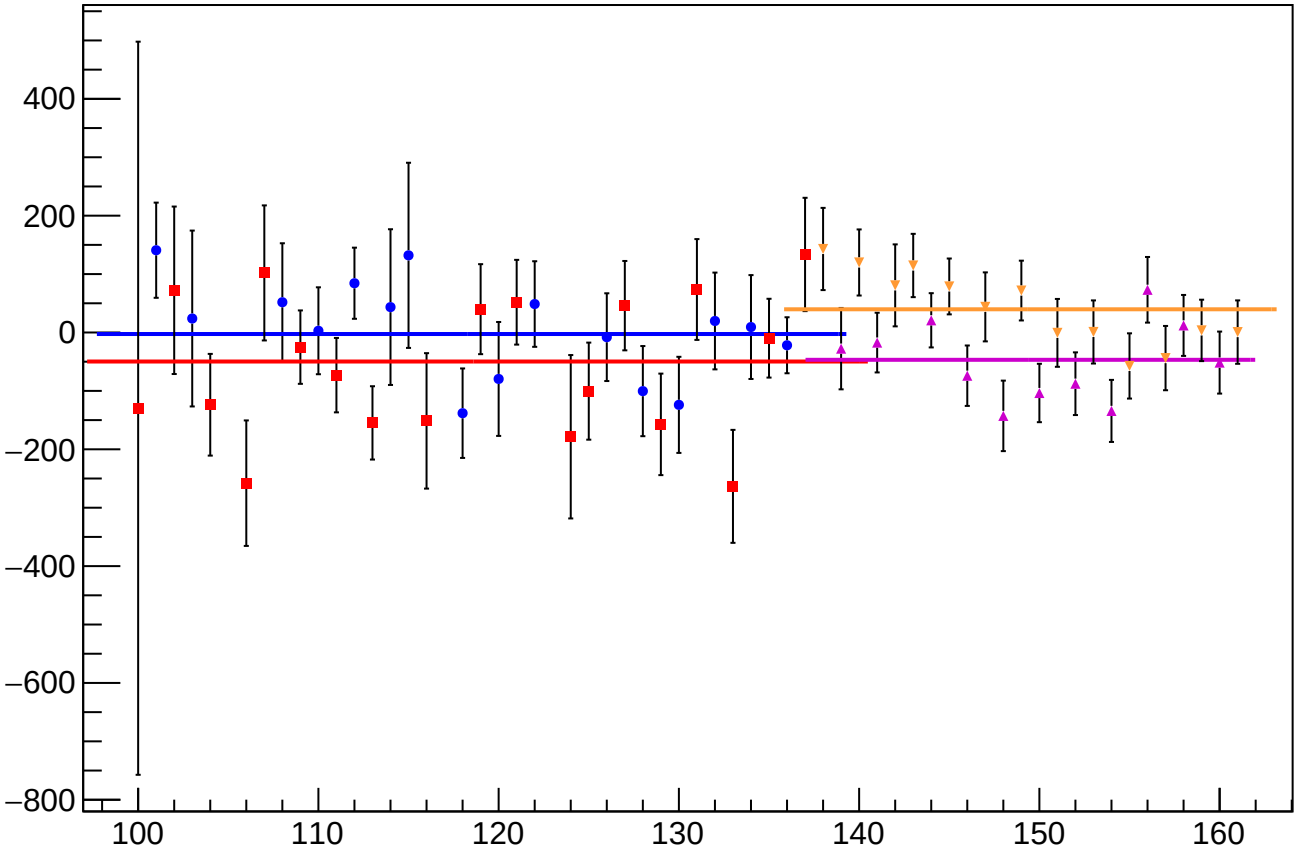
Left In: 375.772+/-0.088 χ^2/NDF:585995.8/10

+ sign 422.750+/-0.074 χ^2/NDF: 2134165.0/28

All: 421.684+/-0.053 χ^2/NDF: 4321356.1/58

- sign 420.588+/-0.075 χ^2/NDF: 2186769.1/29

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 39.718+/-15.515 χ^2/NDF:14.8/12

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

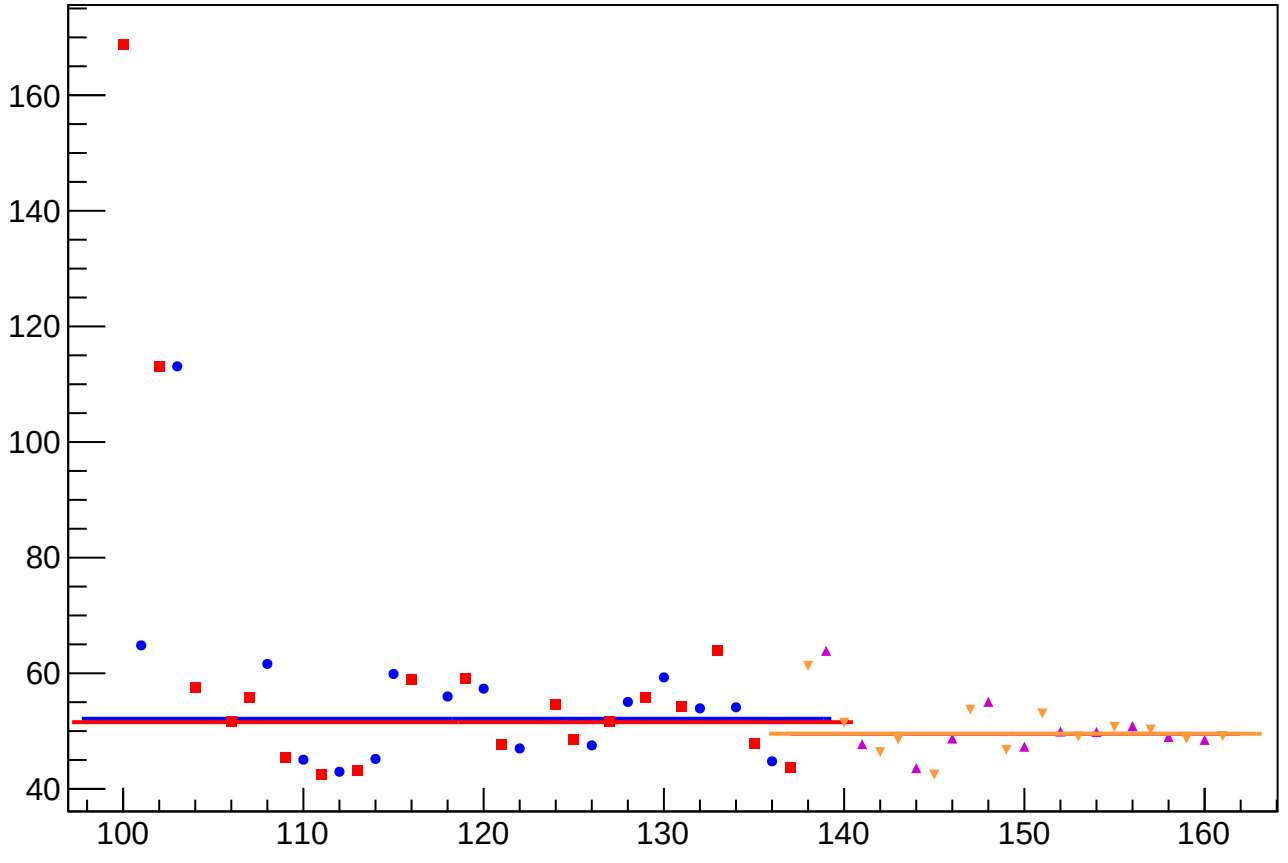
Left In: -46.774+/-16.134 χ^2/NDF:15.8/10

+ sign 23.807+/-12.257 χ^2/NDF: 32.2/28

All: -11.478+/-8.739 χ^2/NDF: 94.1/58

- sign -47.952+/-12.462 χ^2/NDF: 45.0/29

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.548+/-0.011 χ^2/NDF:131484.5/12

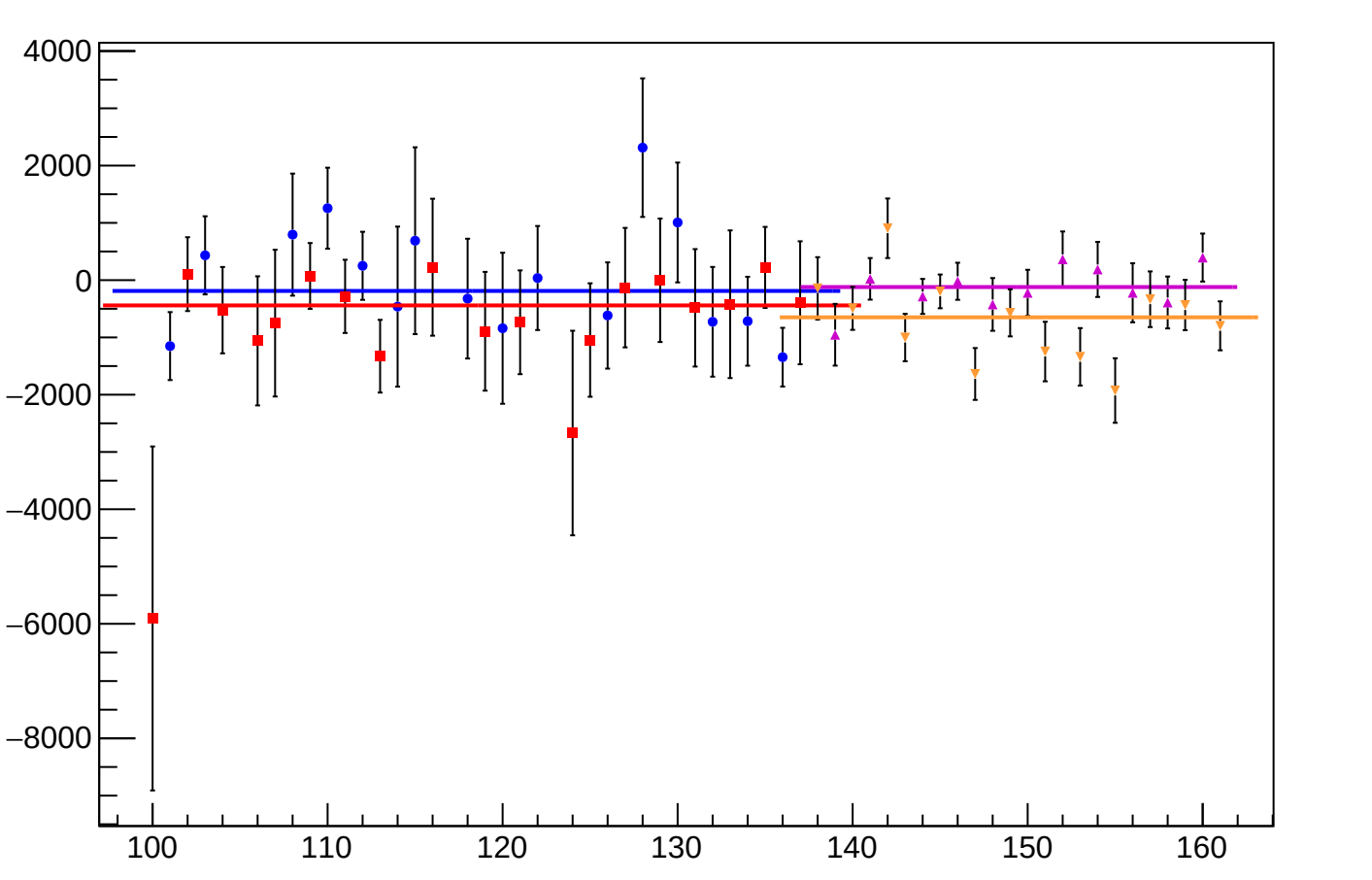
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.519+/-0.011 χ^2/NDF:143502.7/10

+ sign 50.518+/-0.009 χ^2/NDF: 715202.2/28

All: 50.427+/-0.006 χ^2/NDF: 1511367.4/58

- sign 50.334+/-0.009 χ^2/NDF: 795944.3/29



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -649.035+/-121.259 χ^2/NDF:27.0/12

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

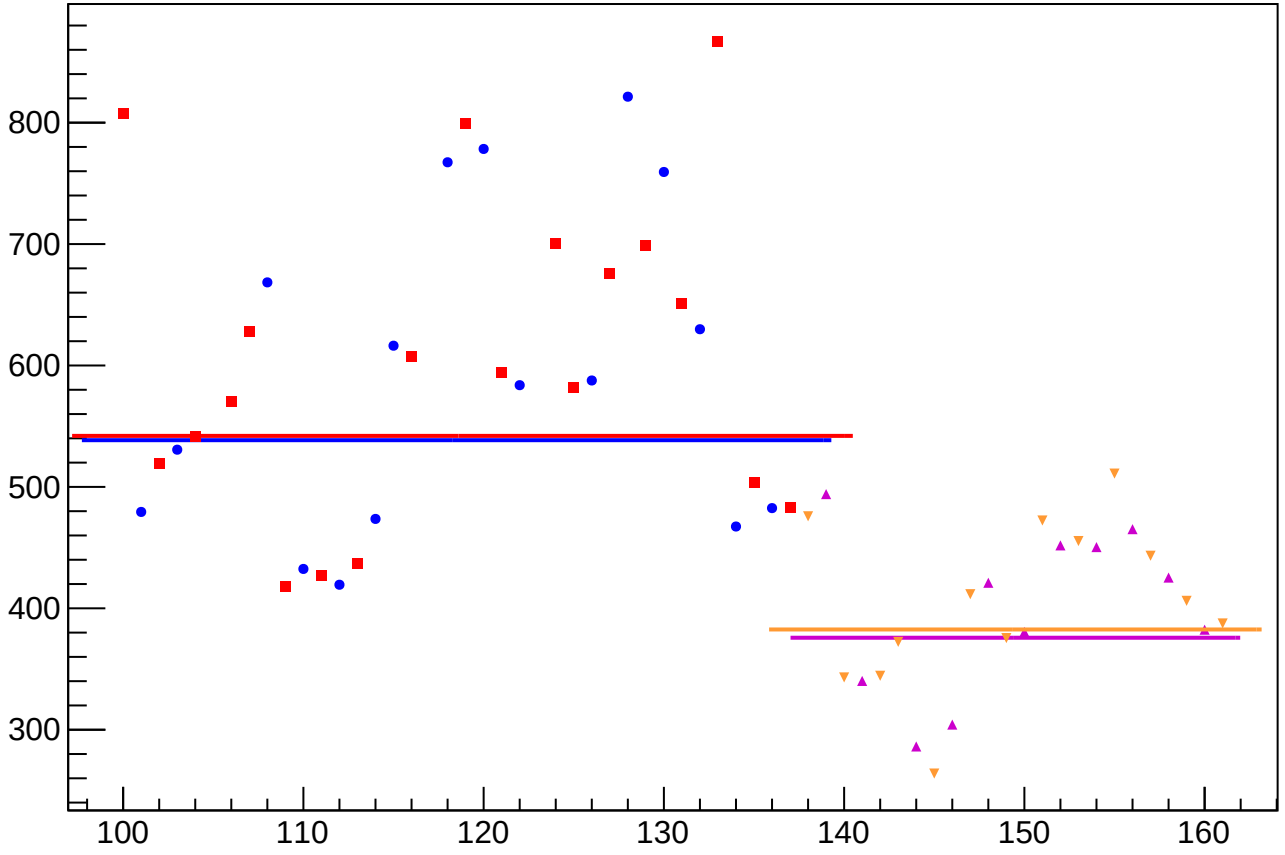
Left In: -120.576+/-123.996 χ^2/NDF:6.7/10

+ sign -530.376+/-104.475 χ^2/NDF: 52.1/28

All: -370.990+/-74.399 χ^2/NDF: 76.2/58

- sign -206.998+/-105.974 χ^2/NDF: 19.4/29

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 382.580+/-0.086 χ^2/NDF:668383.8/12

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

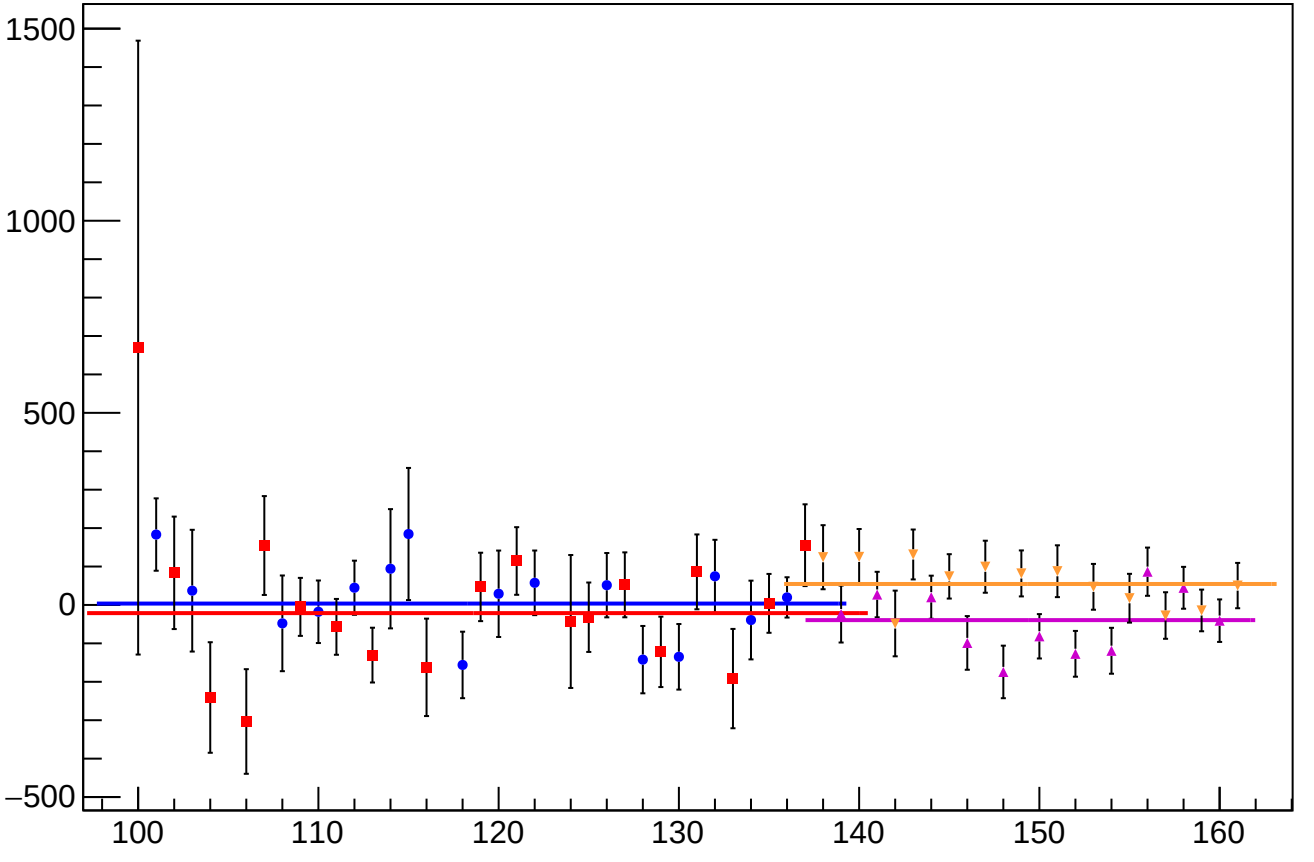
Left In: 375.772+/-0.088 χ^2/NDF:585995.8/10

+ sign 422.750+/-0.074 χ^2/NDF: 2134165.0/28

All: 421.684+/-0.053 χ^2/NDF: 4321356.1/58

- sign 420.588+/-0.075 χ^2/NDF: 2186769.1/29

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 54.571+/-17.807 χ^2/NDF:9.3/12

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

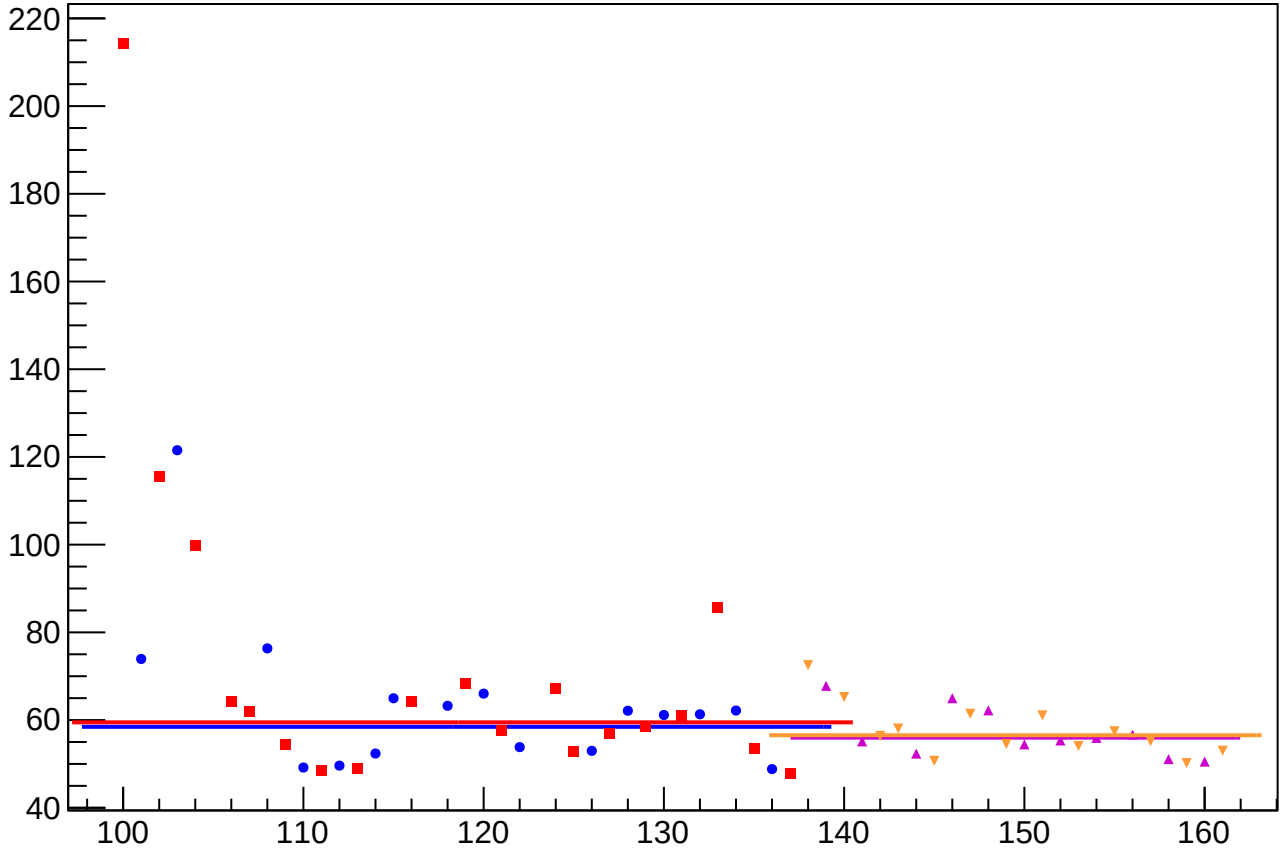
Left In: -39.483+/-18.310 χ^2/NDF:17.9/10

+ sign 34.919+/-13.958 χ^2/NDF: 28.6/28

All: 2.037+/-9.978 χ^2/NDF: 82.7/58

- sign -32.323+/-14.269 χ^2/NDF: 42.8/29

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.548+/-0.013 χ^2/NDF:184925.3/12

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

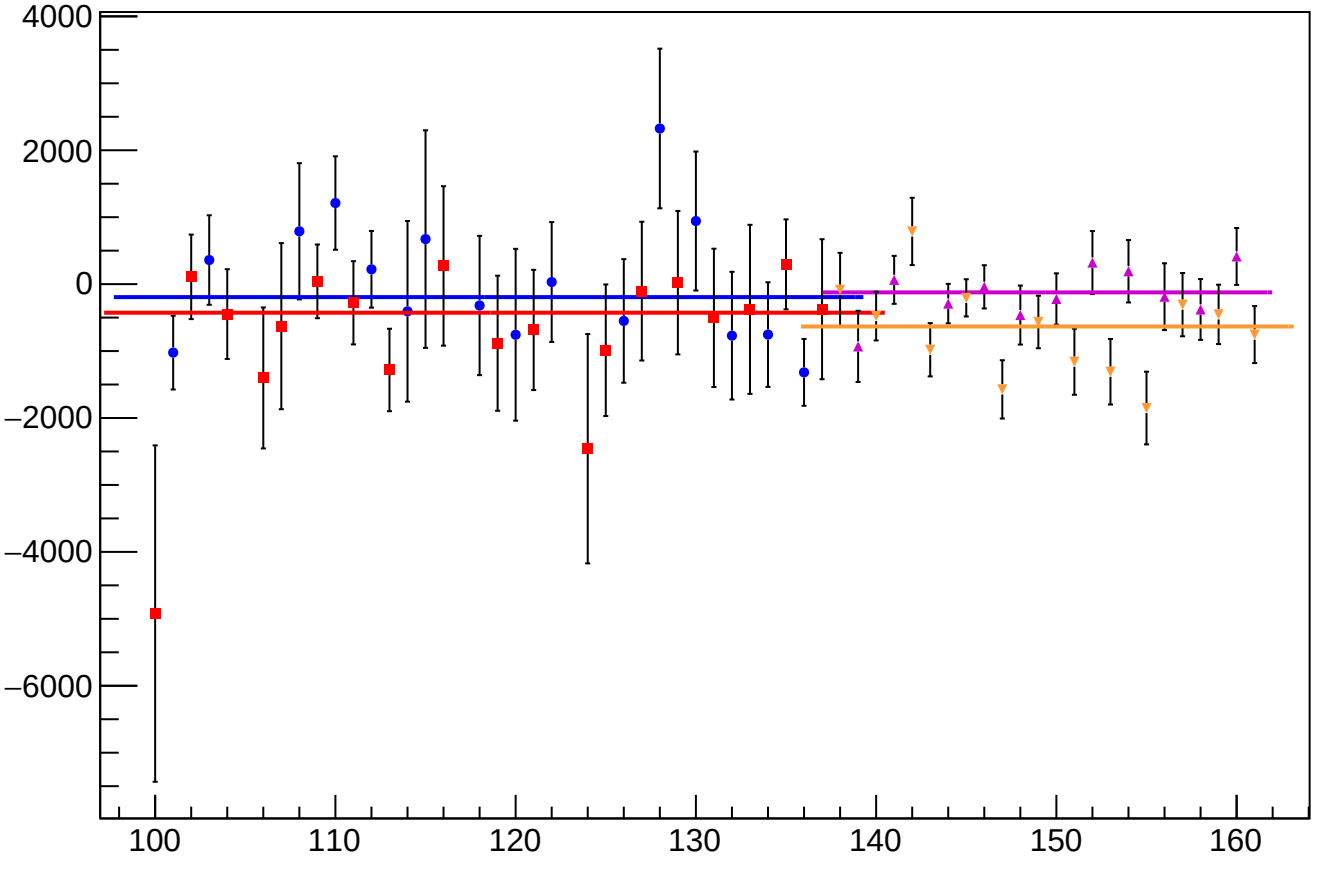
Left In: 56.000+/-0.013 χ^2/NDF:146794.5/10

+ sign 57.287+/-0.010 χ^2/NDF: 776847.4/28

All: 57.327+/-0.007 χ^2/NDF: 1736997.6/58

- sign 57.368+/-0.010 χ^2/NDF: 960117.4/29

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -632.665+/-117.415 χ^2/NDF:25.8/12

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

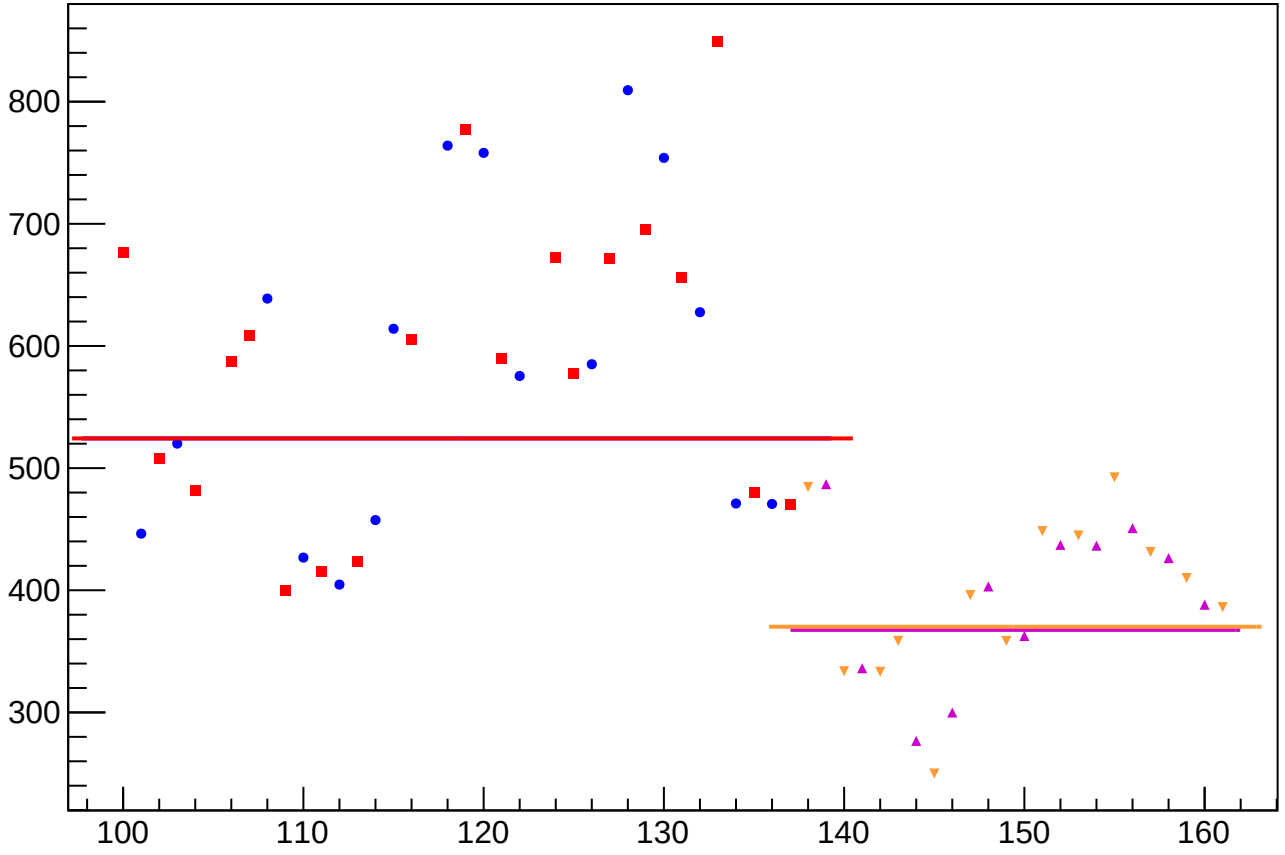
Left In: -123.350+/-121.371 χ^2/NDF:6.9/10

+ sign -520.706+/-101.333 χ^2/NDF: 50.1/28

All: -366.864+/-72.351 χ^2/NDF: 74.8/58

- sign -206.887+/-103.335 χ^2/NDF: 19.9/29

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 370.142+/-0.083 χ^2/NDF:751768.2/12

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

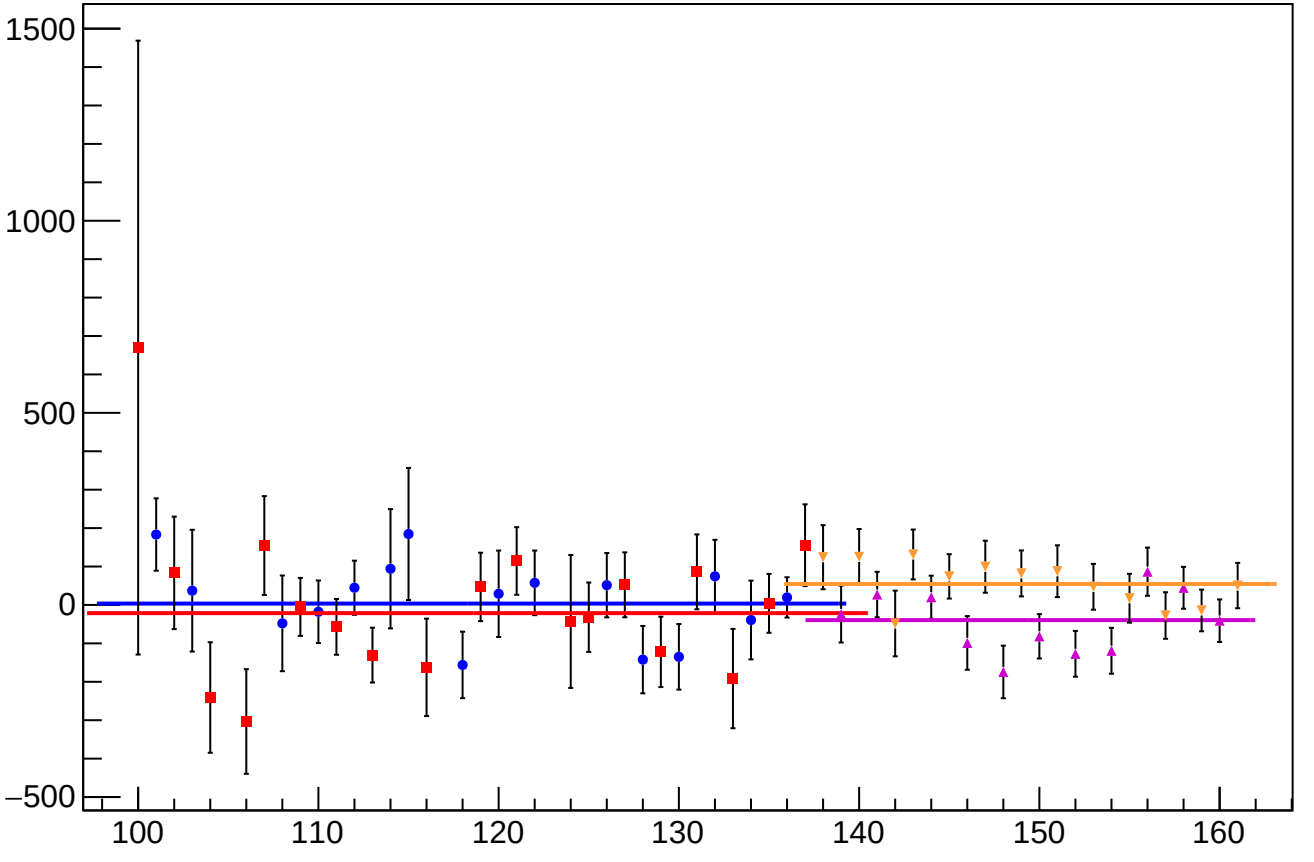
Left In: 367.571+/-0.086 χ^2/NDF:588302.7/10

+ sign 409.485+/-0.072 χ^2/NDF: 2290274.2/28

All: 410.077+/-0.051 χ^2/NDF: 4482416.9/58

- sign 410.693+/-0.073 χ^2/NDF: 2192003.3/29

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 54.573+/-17.807 χ^2/NDF:9.3/12

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

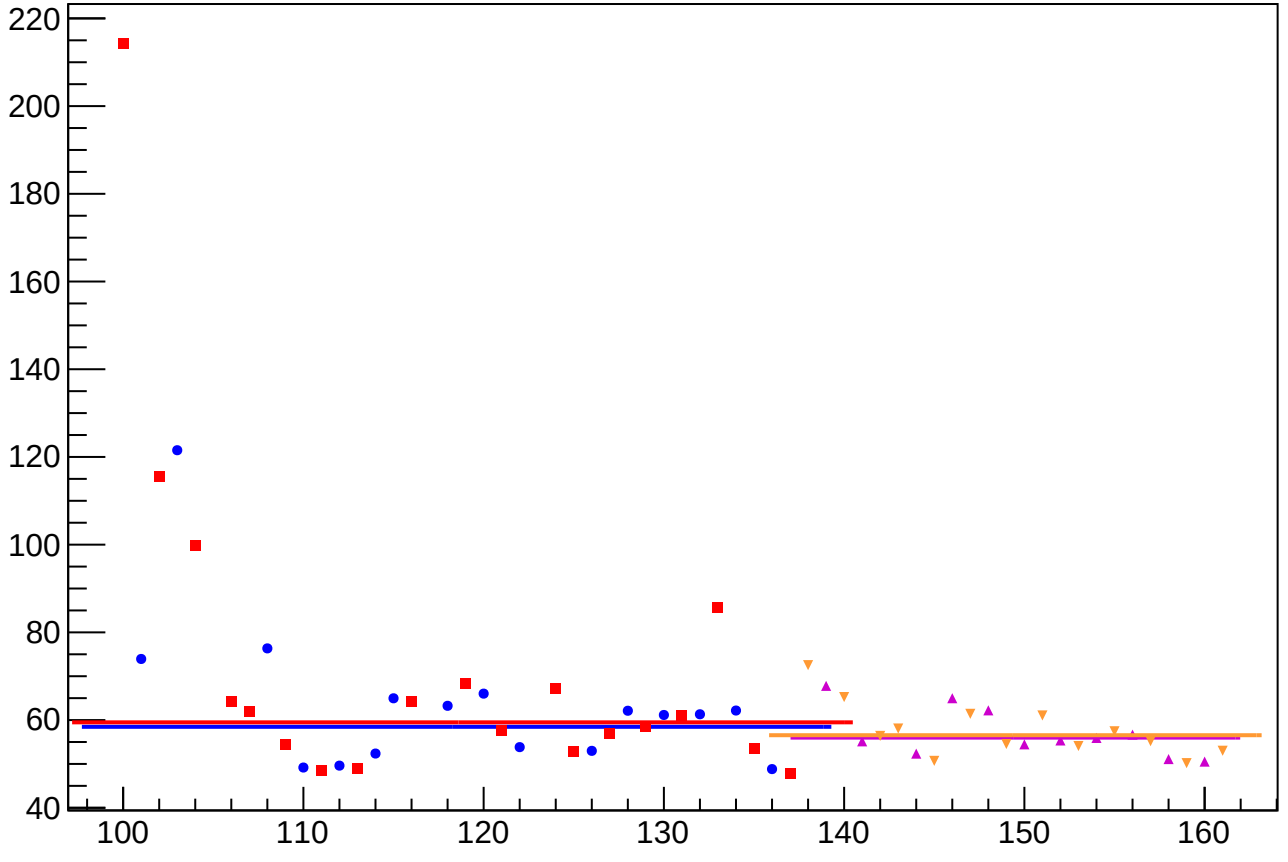
Left In: -39.482+/-18.310 χ^2/NDF:17.9/10

+ sign 34.920+/-13.958 χ^2/NDF: 28.6/28

All: 2.038+/-9.978 χ^2/NDF: 82.7/58

- sign -32.323+/-14.269 χ^2/NDF: 42.8/29

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.549+/-0.013 χ^2/NDF:184930.5/12

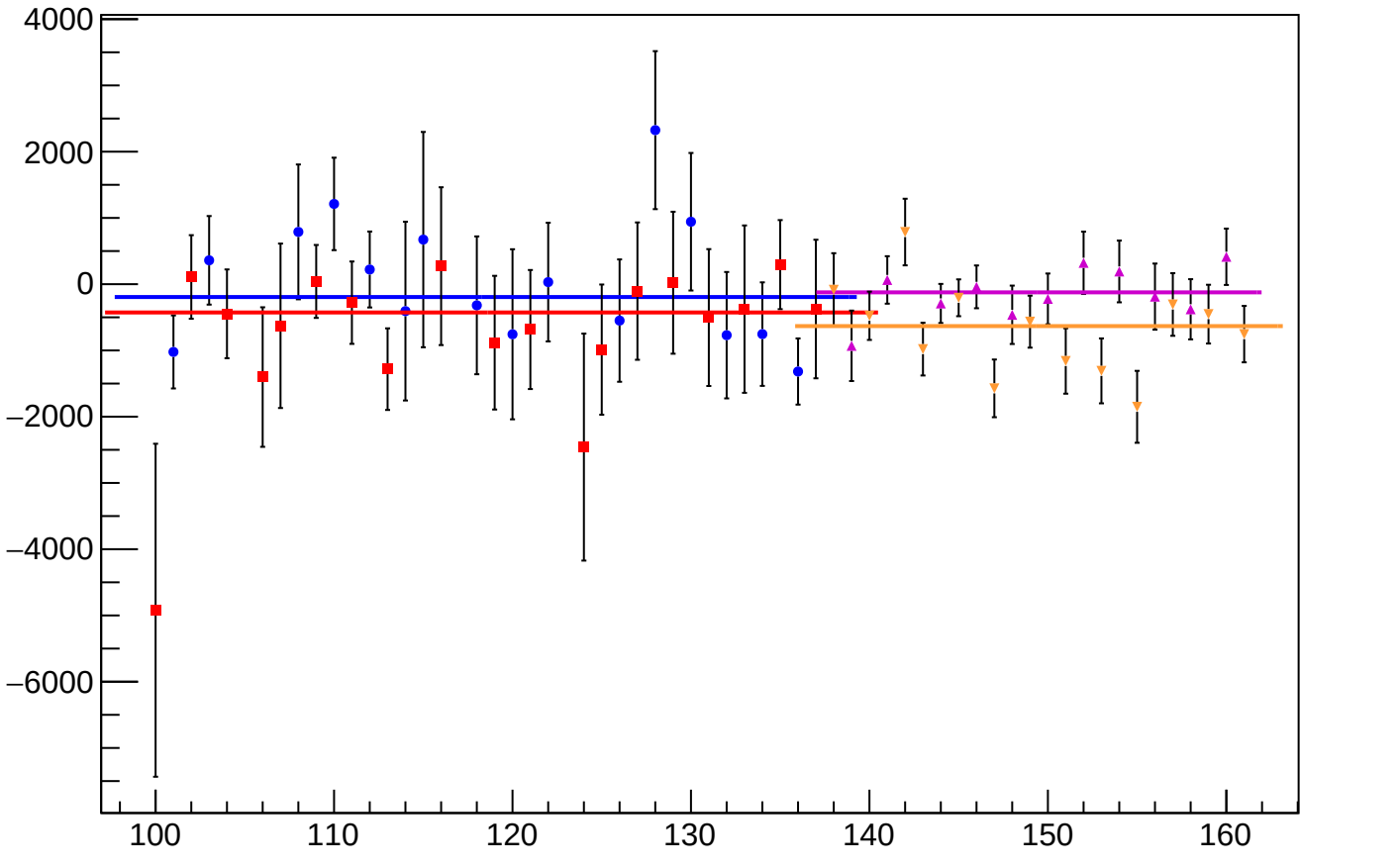
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.000+/-0.013 χ^2/NDF:146797.0/10

+ sign 57.288+/-0.010 χ^2/NDF: 776848.1/28

All: 57.327+/-0.007 χ^2/NDF: 1737000.2/58

- sign 57.368+/-0.010 χ^2/NDF: 960119.4/29



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -632.666+/-117.415 χ^2/NDF:25.8/12

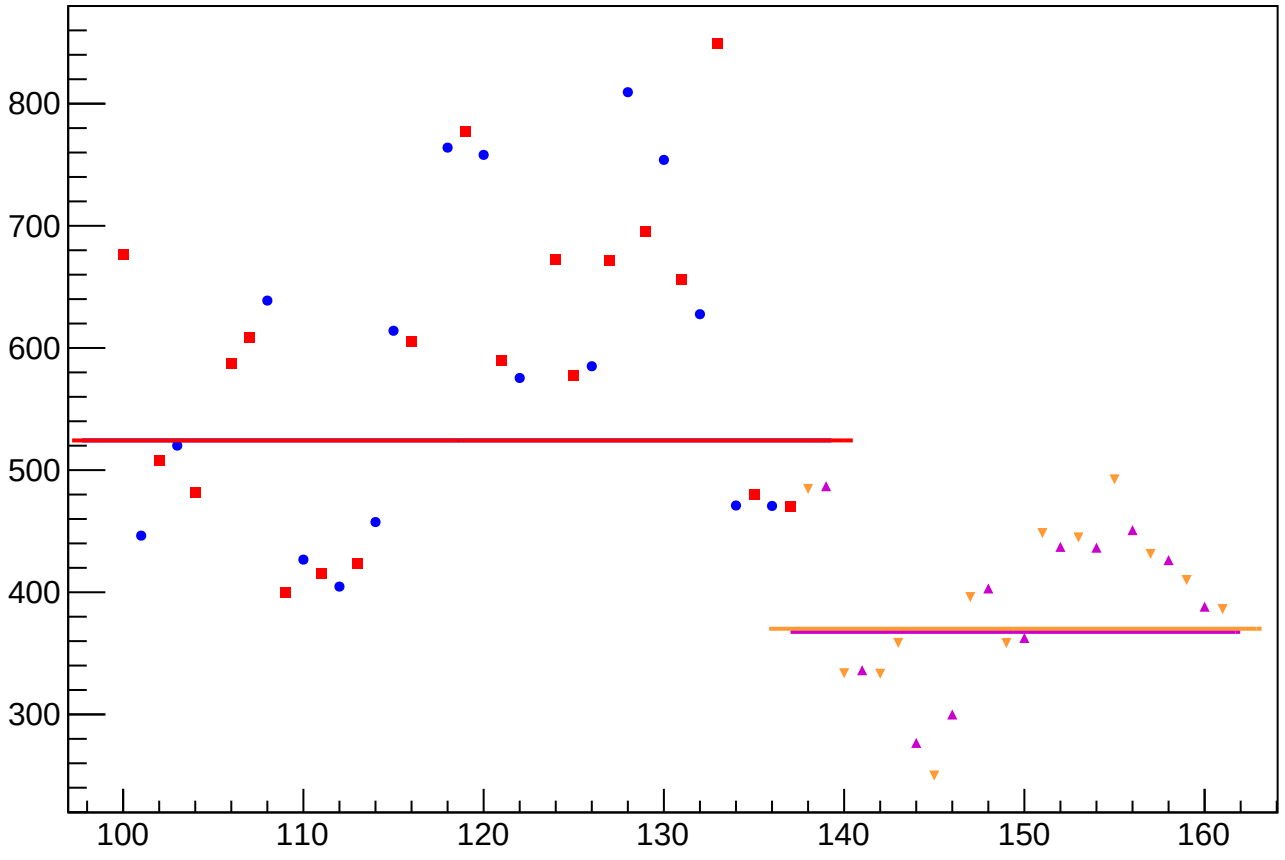
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -123.349+/-121.371 χ^2/NDF:6.9/10

+ sign -520.706+/-101.333 χ^2/NDF: 50.1/28

All: -366.864+/-72.351 χ^2/NDF: 74.8/58

- sign -206.886+/-103.334 χ^2/NDF: 19.9/29



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 370.142+/-0.083 χ^2/NDF:751765.2/12

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

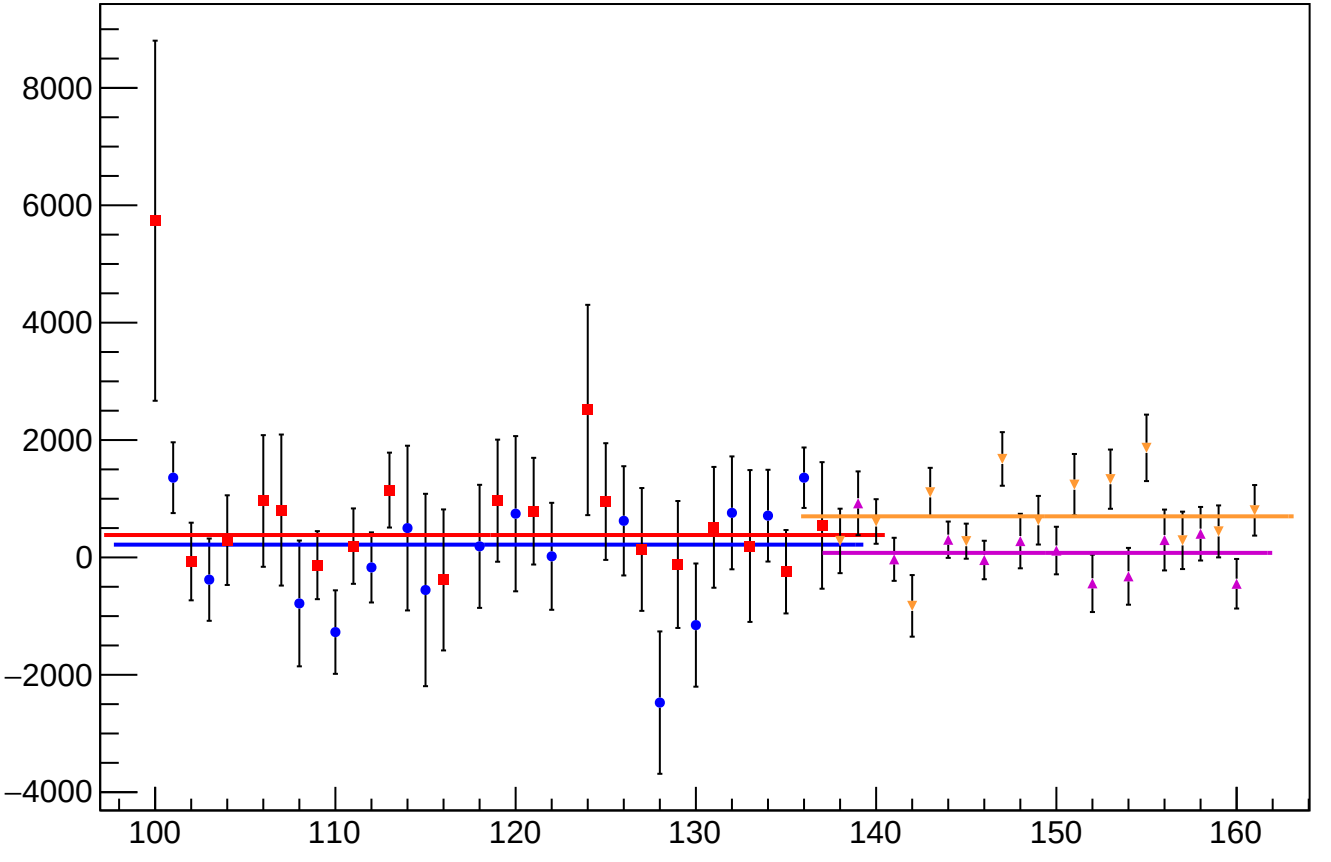
Left In: 367.570+/-0.086 χ^2/NDF:588299.6/10

+ sign 409.485+/-0.072 χ^2/NDF: 2290270.4/28

All: 410.077+/-0.051 χ^2/NDF: 4482405.6/58

- sign 410.693+/-0.073 χ^2/NDF: 2191995.7/29

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 700.180+/-122.346 χ^2/NDF:24.6/12

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

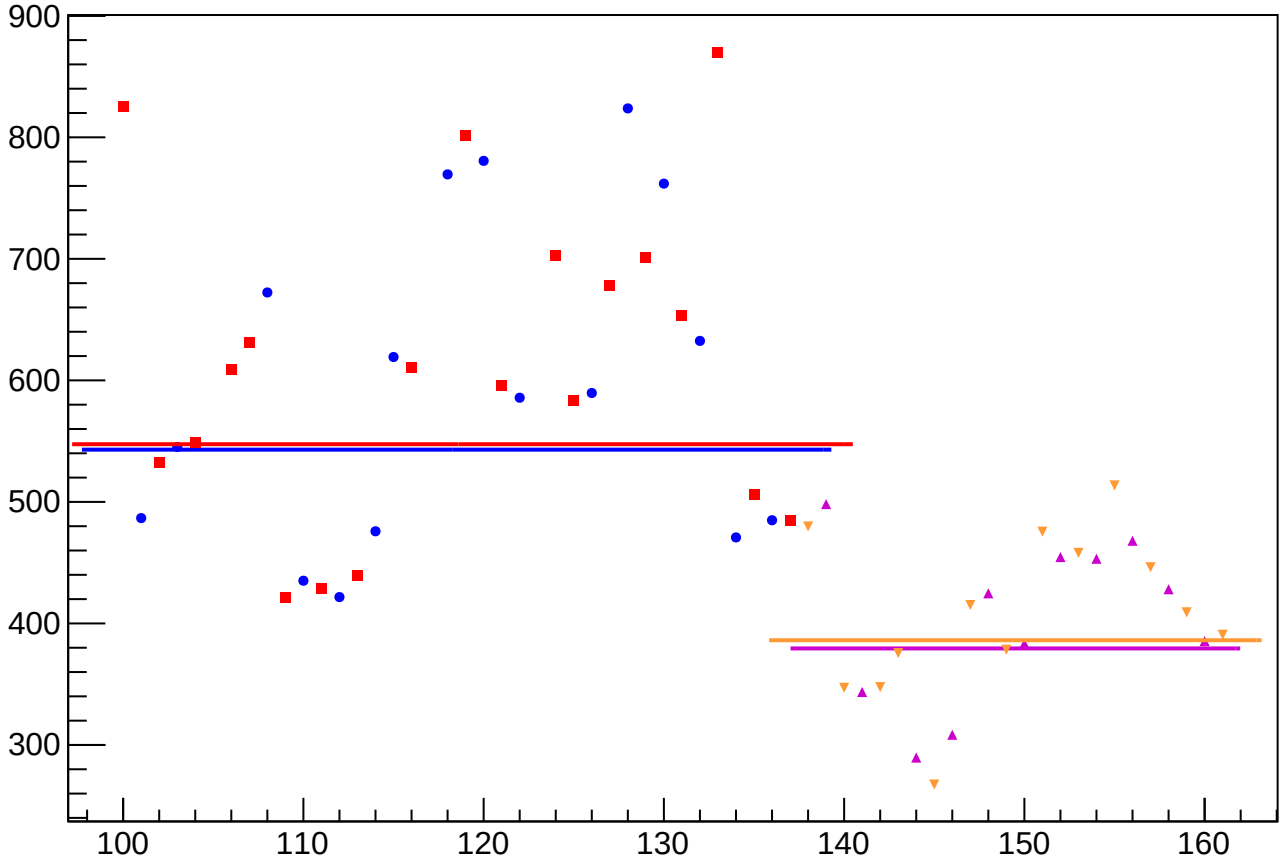
Left In: 77.463+/-125.145 χ^2/NDF:7.4/10

+ sign 575.723+/-105.390 χ^2/NDF: 51.5/28

All: 370.692+/-75.049 χ^2/NDF: 78.2/58

- sign 159.754+/-106.897 χ^2/NDF: 19.0/29

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 386.169+/-0.087 χ^2/NDF:651830.3/12

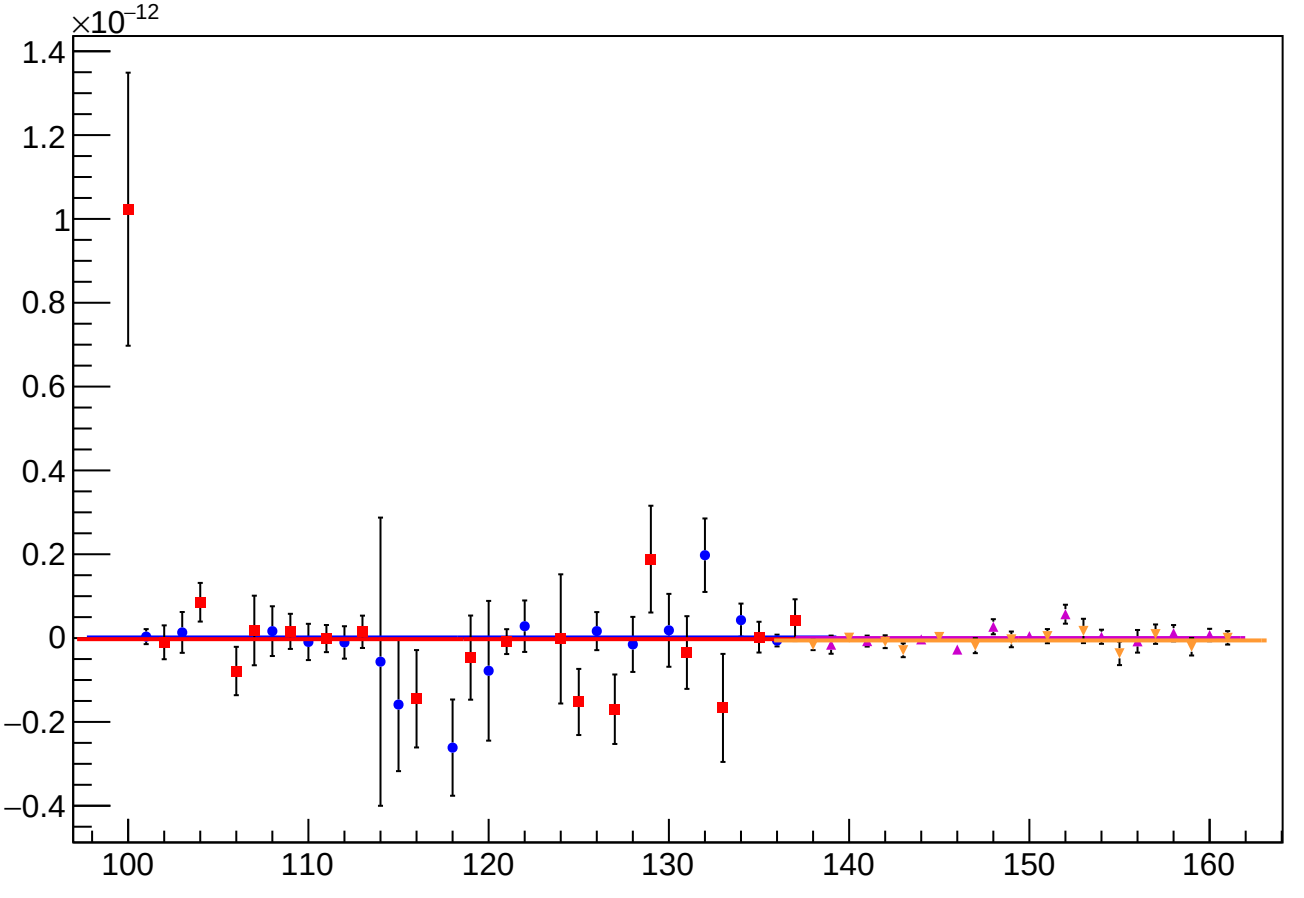
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 379.421+/-0.088 χ^2/NDF:571353.3/10

+ sign 426.628+/-0.075 χ^2/NDF: 2104875.3/28

All: 425.754+/-0.053 χ^2/NDF: 4281770.3/58

- sign 424.854+/-0.076 χ^2/NDF: 2176615.7/29



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

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/12

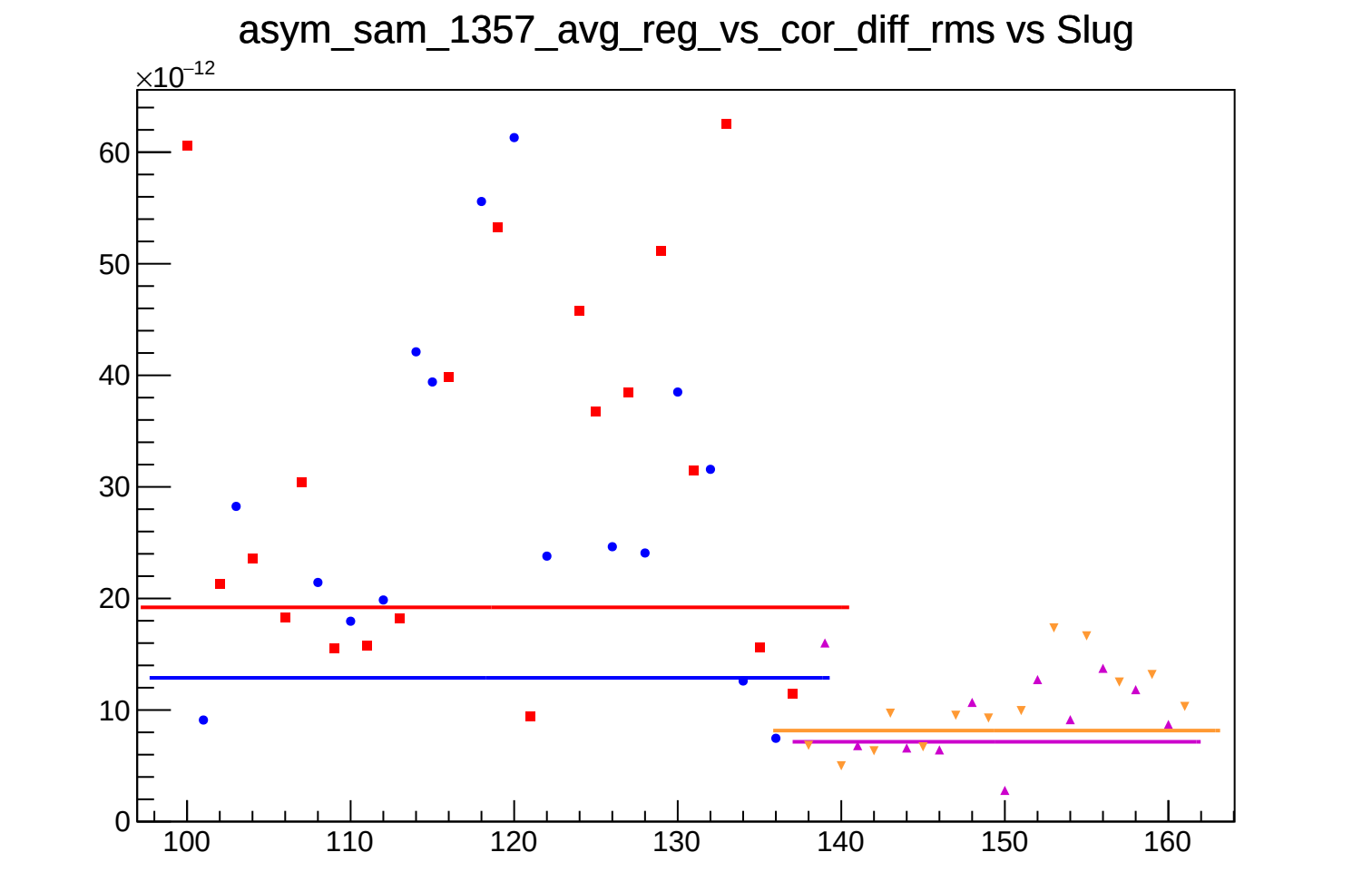
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 21.8/28

All: -0.000+/-0.000 χ^2/NDF: 69.0/58

- sign -0.000+/-0.000 χ^2/NDF: 46.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:999822.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

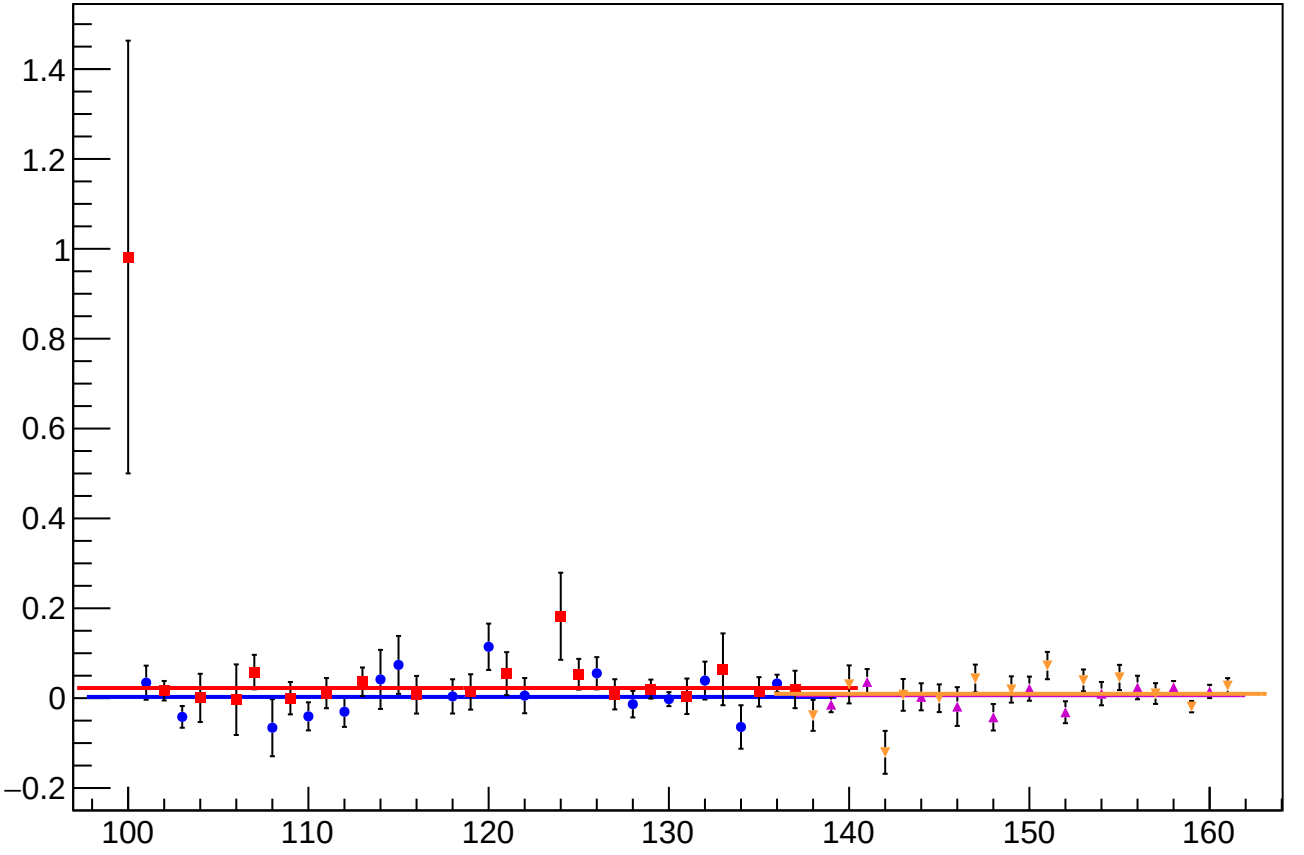
Left In: 0.000+/-0.000 χ^2/NDF:1380231.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 3203117.5/28

All: 0.000+/-0.000 χ^2/NDF: 7735699.1/58

- sign 0.000+/-0.000 χ^2/NDF: 4511230.4/29

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: 0.010+/-0.007 χ^2/NDF:24.7/12

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

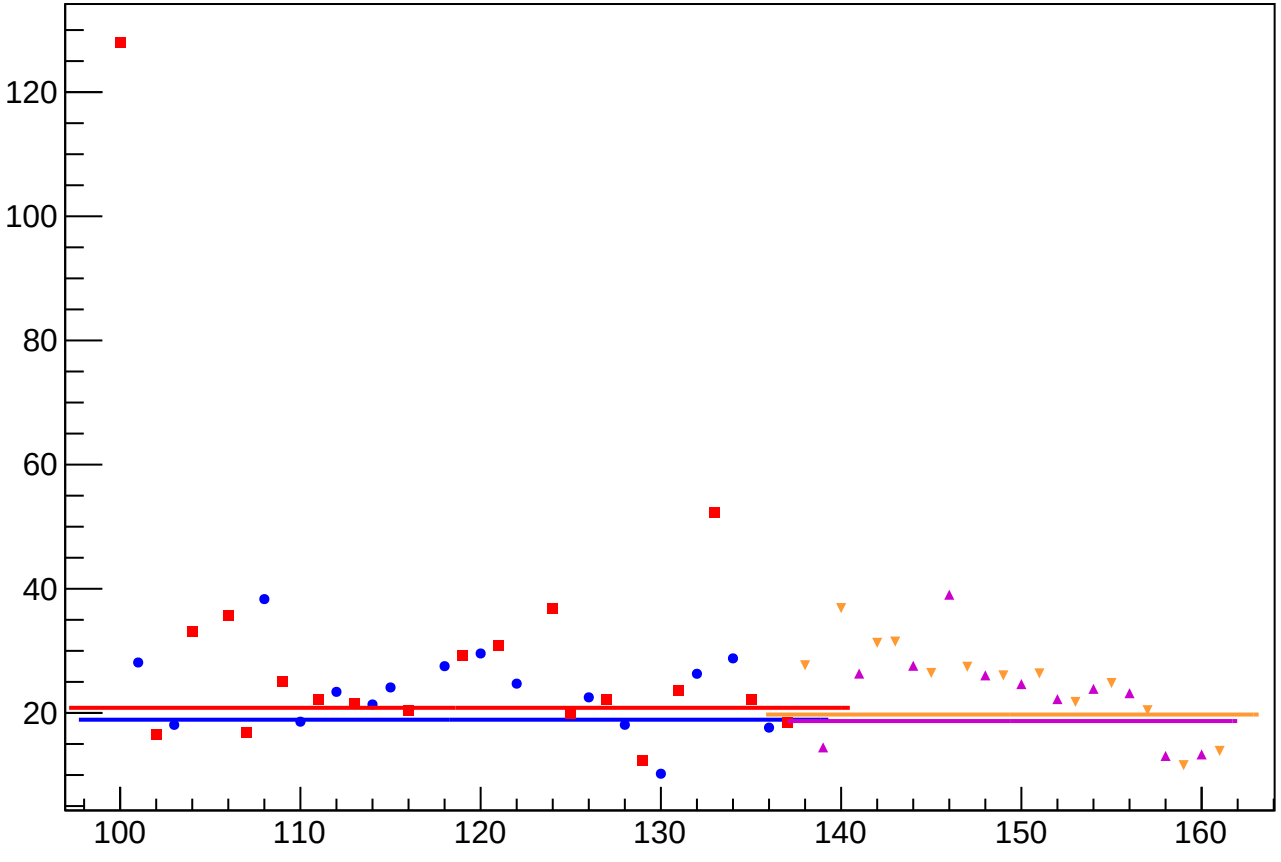
Left In: 0.007+/-0.007 χ^2/NDF:10.7/10

+ sign 0.007+/-0.005 χ^2/NDF: 47.1/28

All: 0.010+/-0.004 χ^2/NDF: 71.5/58

- sign 0.013+/-0.005 χ^2/NDF: 23.7/29

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: 19.744+/-0.005 χ^2/NDF:2330144.2/12

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

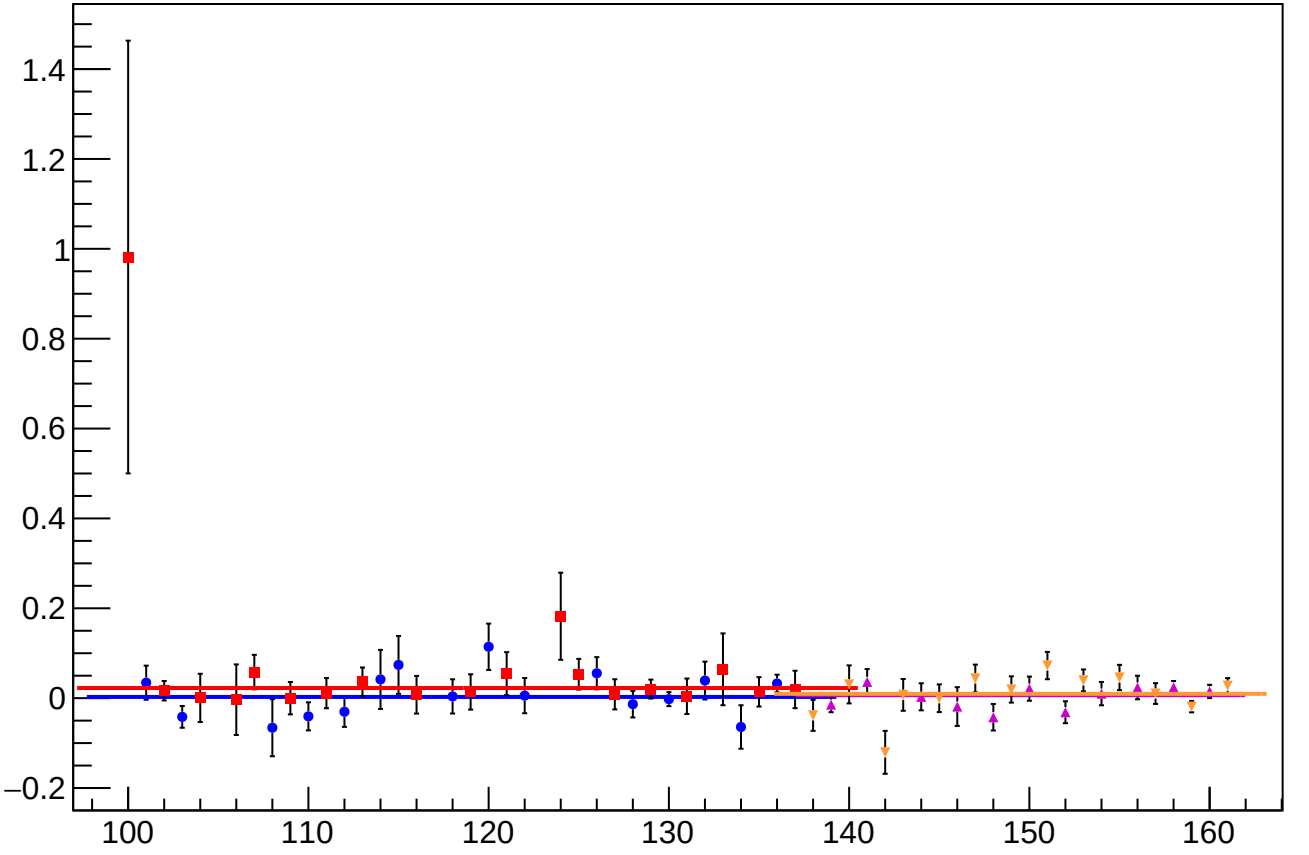
Left In: 18.693+/-0.005 χ^2/NDF:1867148.3/10

+ sign 19.384+/-0.004 χ^2/NDF: 3733421.8/28

All: 19.442+/-0.003 χ^2/NDF: 6971842.9/58

- sign 19.501+/-0.004 χ^2/NDF: 3237910.1/29

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.010+/-0.007 χ^2/NDF:24.7/12

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

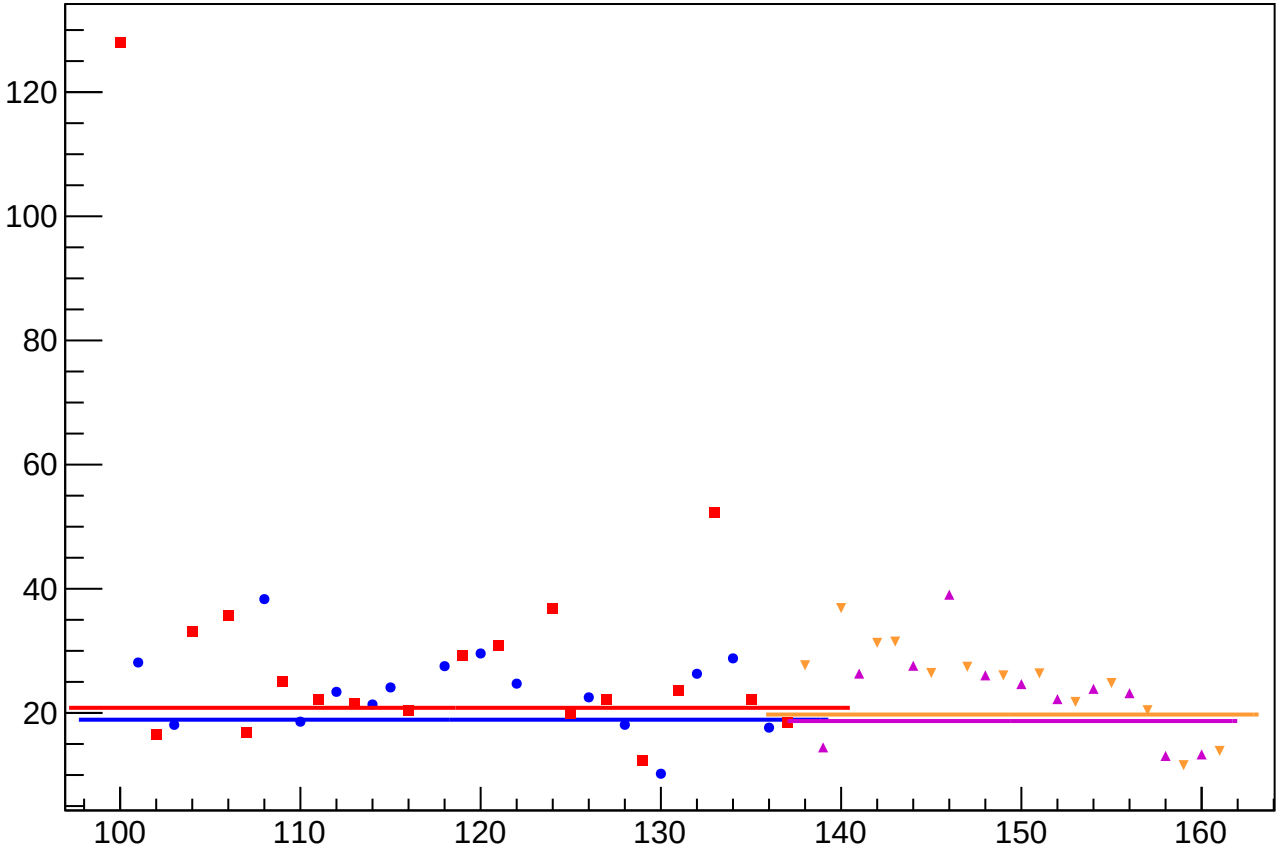
Left In: 0.007+/-0.007 χ^2/NDF:10.7/10

+ sign 0.007+/-0.005 χ^2/NDF: 47.1/28

All: 0.010+/-0.004 χ^2/NDF: 71.5/58

- sign 0.013+/-0.005 χ^2/NDF: 23.7/29

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 19.744+/-0.005 χ^2/NDF:2330144.2/12

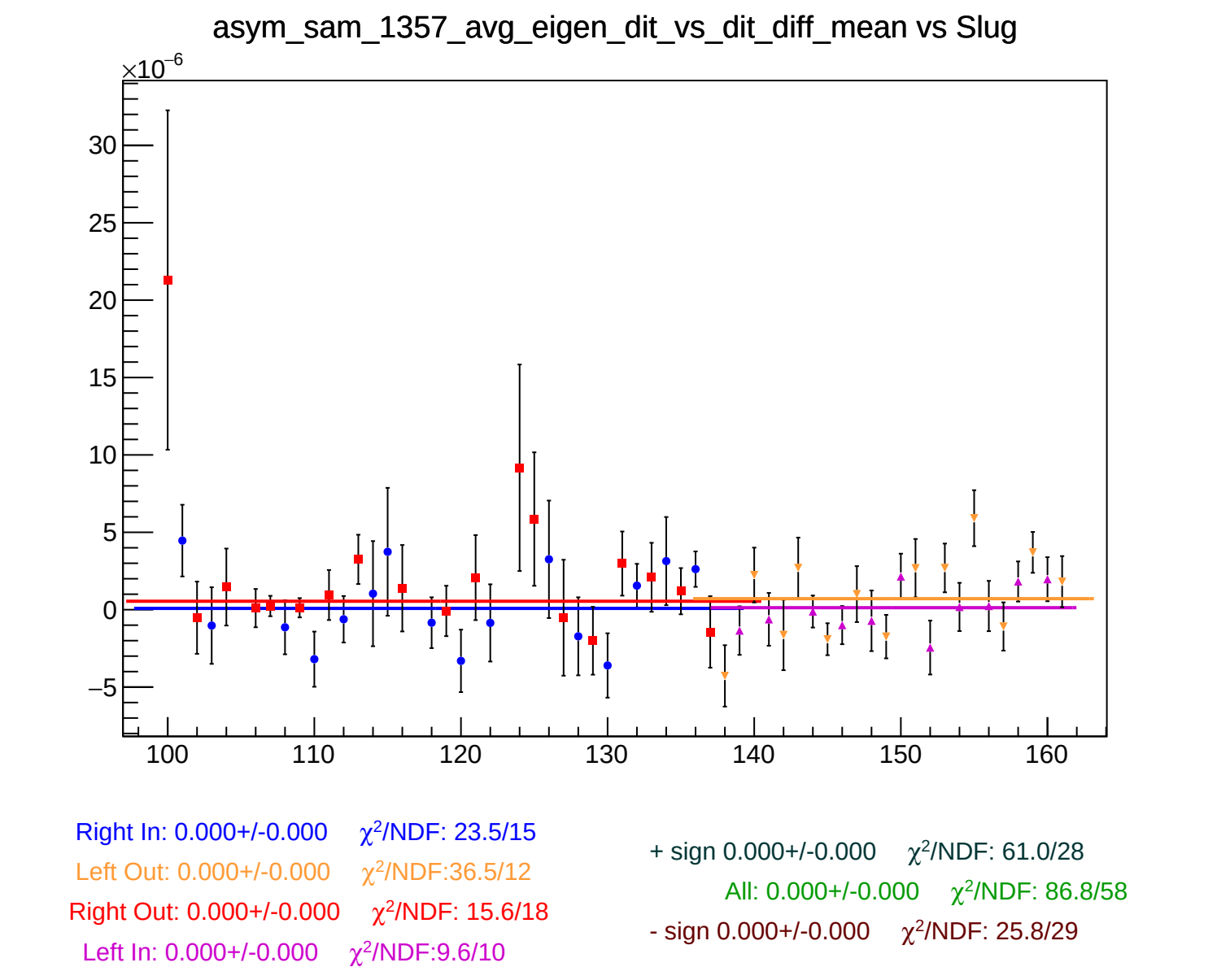
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

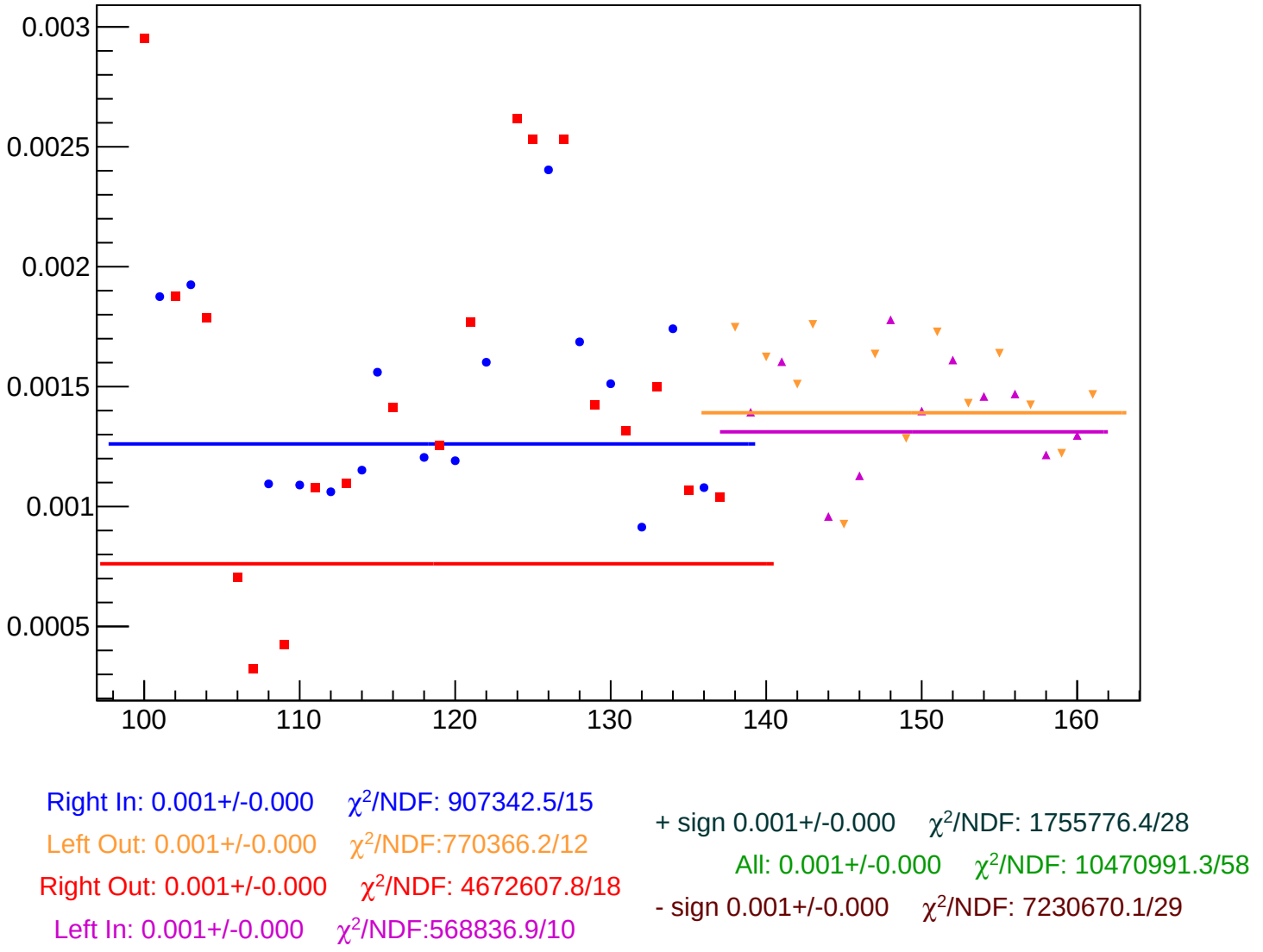
Left In: 18.693+/-0.005 χ^2/NDF:1867148.3/10

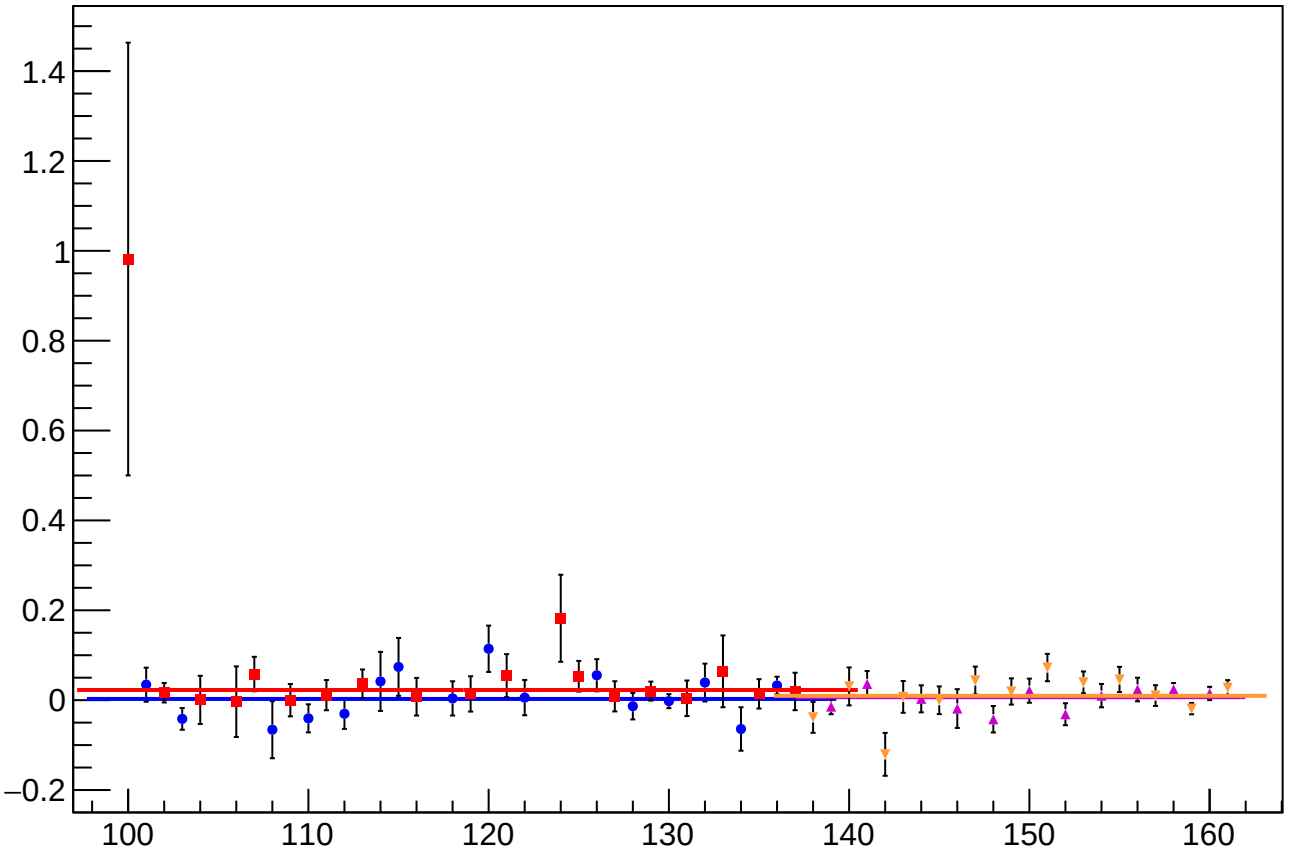
\+ sign 19.384+/-0.004 χ^2/NDF: 3733421.8/28

All: 19.442+/-0.003 χ^2/NDF: 6971842.9/58

\- sign 19.501+/-0.004 χ^2/NDF: 3237910.1/29


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 23.5/15
Left Out: 0.000+/-0.000 χ²/NDF:36.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/18
Left In: 0.000+/-0.000 χ²/NDF:9.6/10
+ sign 0.000+/-0.000 χ²/NDF: 61.0/28
All: 0.000+/-0.000 χ²/NDF: 86.8/58
- sign 0.000+/-0.000 χ²/NDF: 25.8/29


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
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:770366.2/12
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:568836.9/10
+ sign 0.001+/-0.000 χ²/NDF: 1755776.4/28
All: 0.001+/-0.000 χ²/NDF: 10470991.3/58
- sign 0.001+/-0.000 χ²/NDF: 7230670.1/29



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.010+/-0.007 χ^2/NDF:24.7/12

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

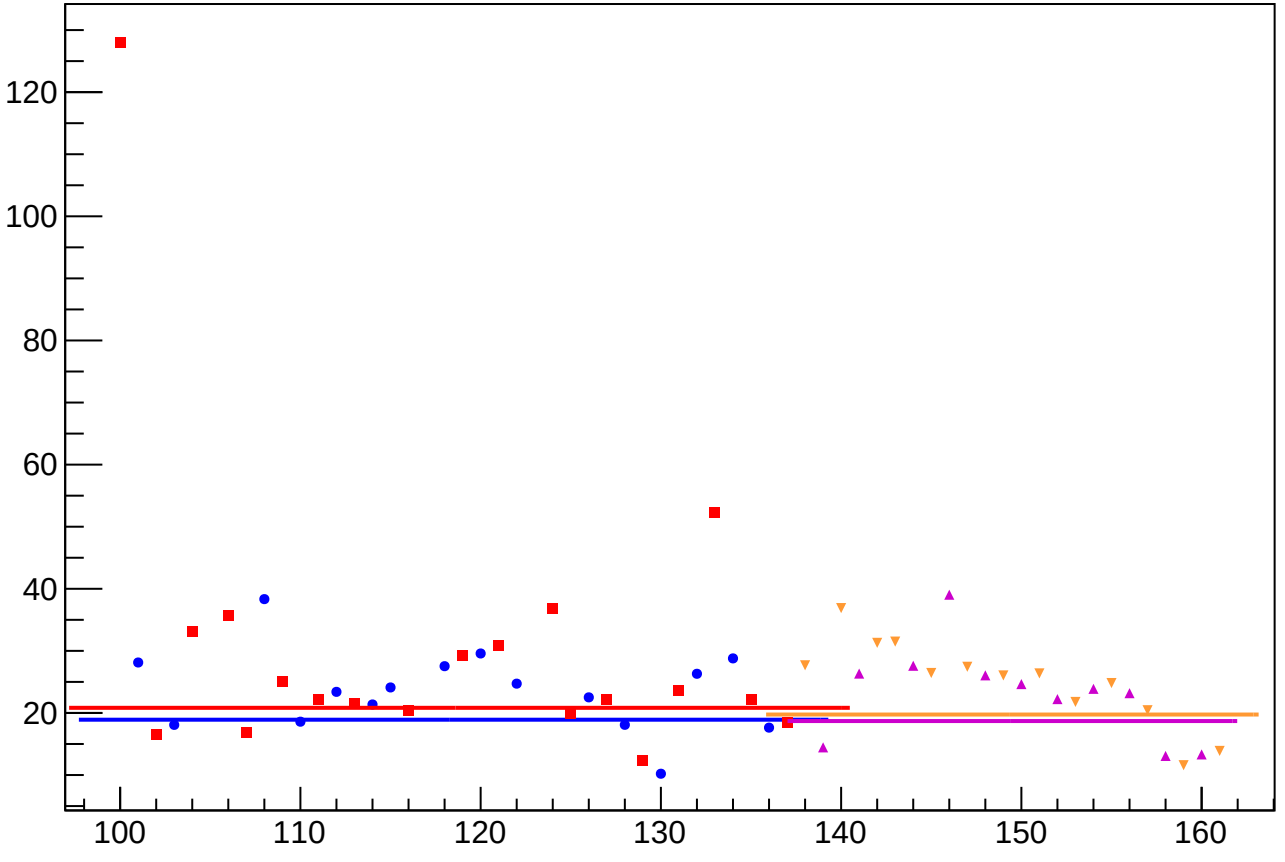
Left In: 0.007+/-0.007 χ^2/NDF:10.7/10

+ sign 0.007+/-0.005 χ^2/NDF: 47.1/28

All: 0.010+/-0.004 χ^2/NDF: 71.5/58

- sign 0.013+/-0.005 χ^2/NDF: 23.7/29

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 19.744+/-0.005 χ^2/NDF:2330348.2/12

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

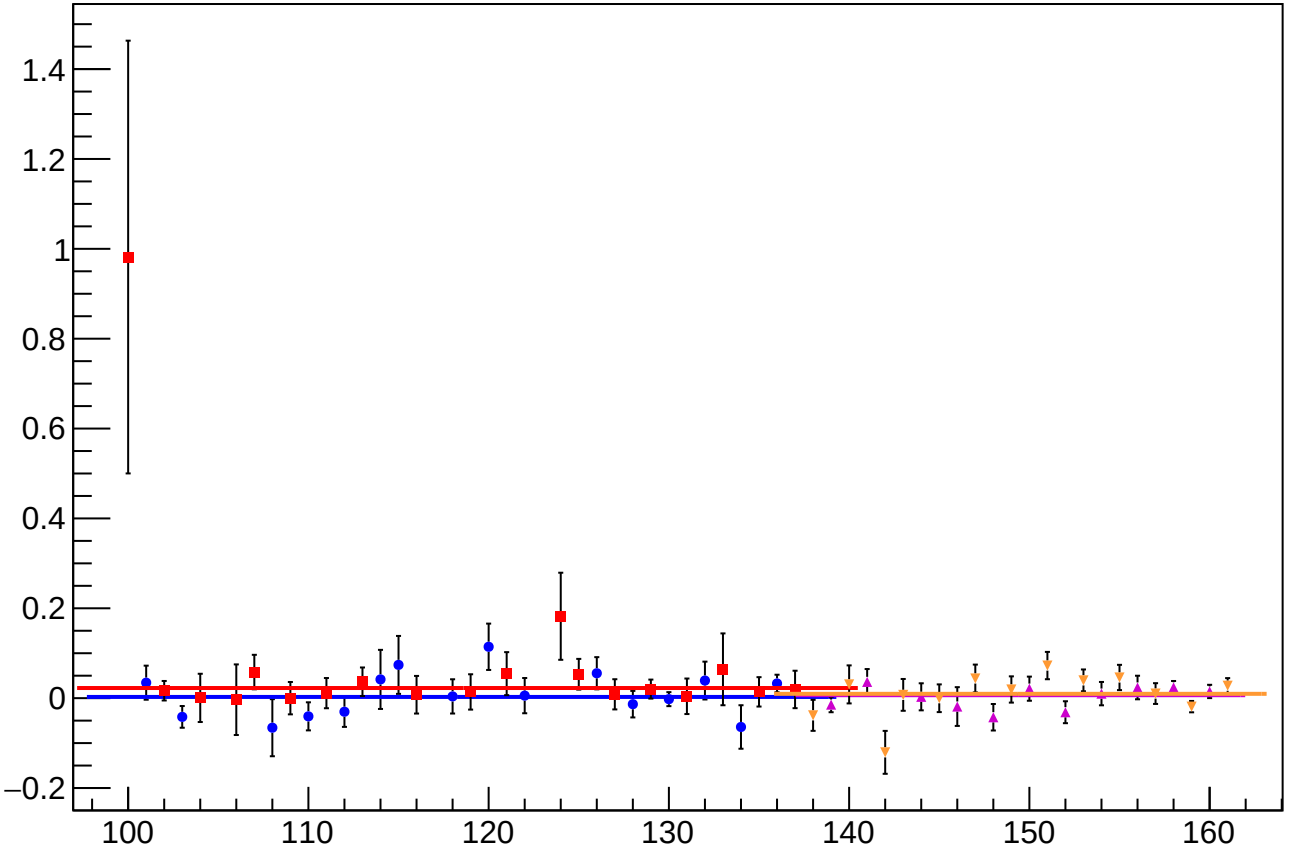
Left In: 18.694+/-0.005 χ^2/NDF:1867245.9/10

+ sign 19.384+/-0.004 χ^2/NDF: 3733498.0/28

All: 19.442+/-0.003 χ^2/NDF: 6972014.7/58

- sign 19.501+/-0.004 χ^2/NDF: 3238005.9/29

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.010+/-0.007 χ^2/NDF:24.7/12

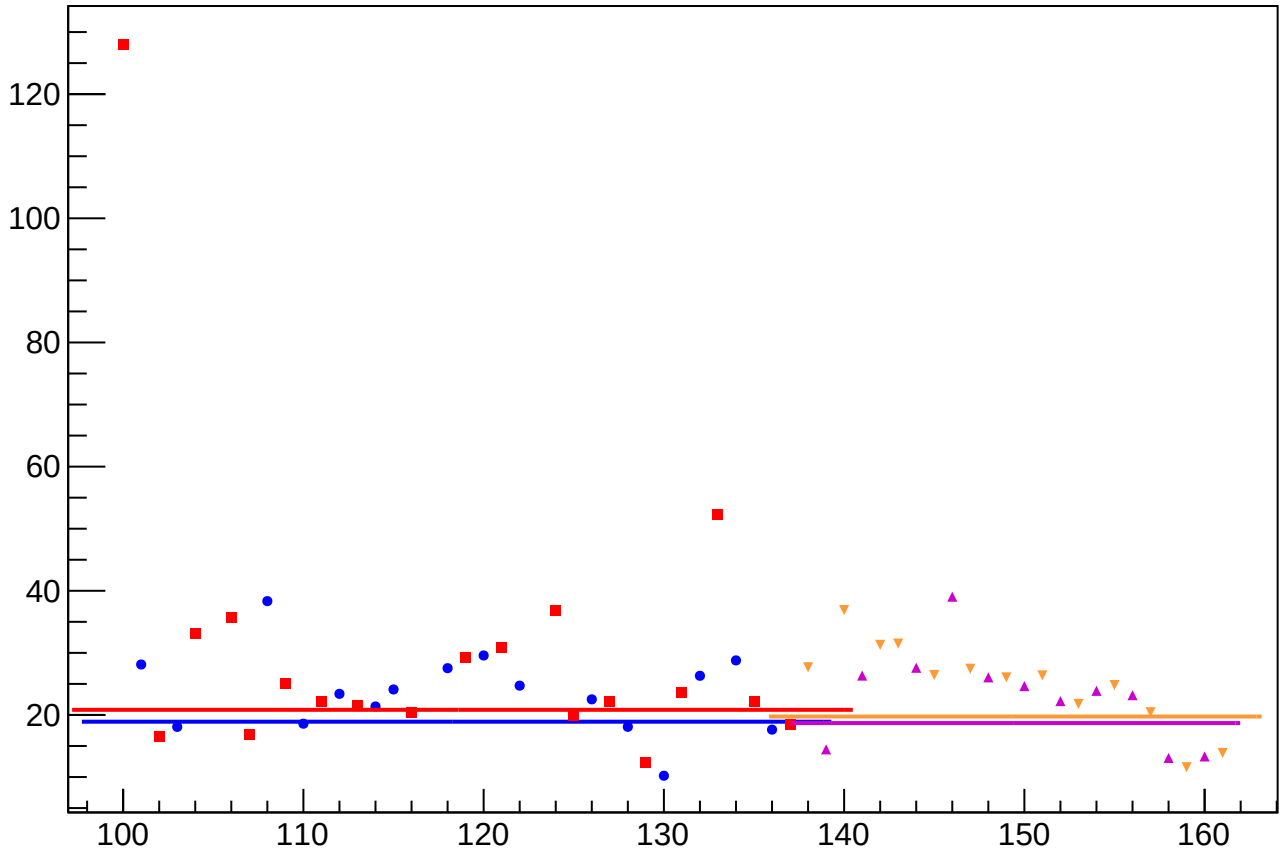
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.007+/-0.007 χ^2/NDF:10.7/10

+ sign 0.007+/-0.005 χ^2/NDF: 47.1/28

All: 0.010+/-0.004 χ^2/NDF: 71.5/58

- sign 0.013+/-0.005 χ^2/NDF: 23.7/29



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 19.744+/-0.005 χ^2/NDF:2330348.2/12

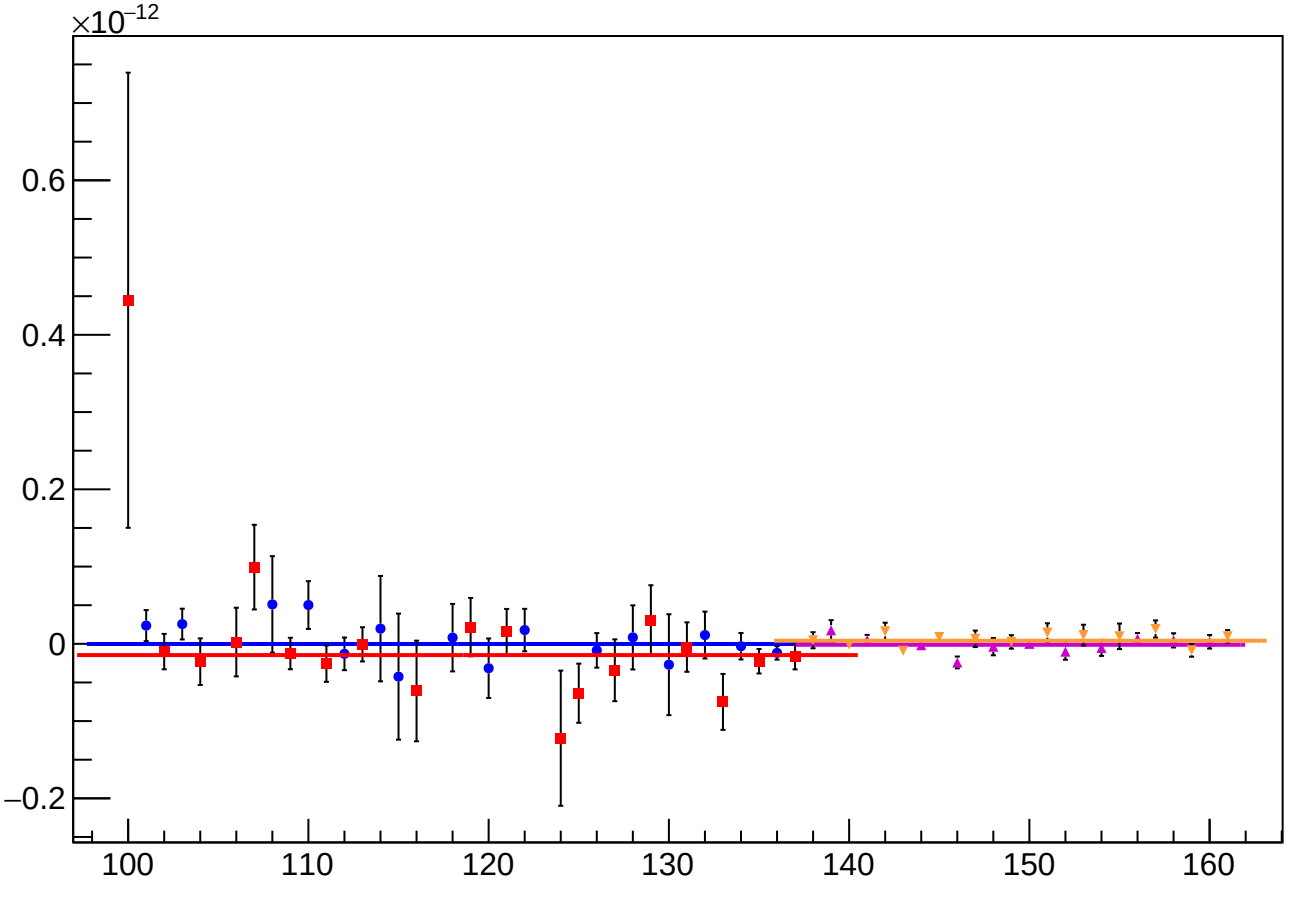
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 18.694+/-0.005 χ^2/NDF:1867245.9/10

+ sign 19.384+/-0.004 χ^2/NDF: 3733498.0/28

All: 19.442+/-0.003 χ^2/NDF: 6972014.7/58

- sign 19.501+/-0.004 χ^2/NDF: 3238005.9/29



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/12

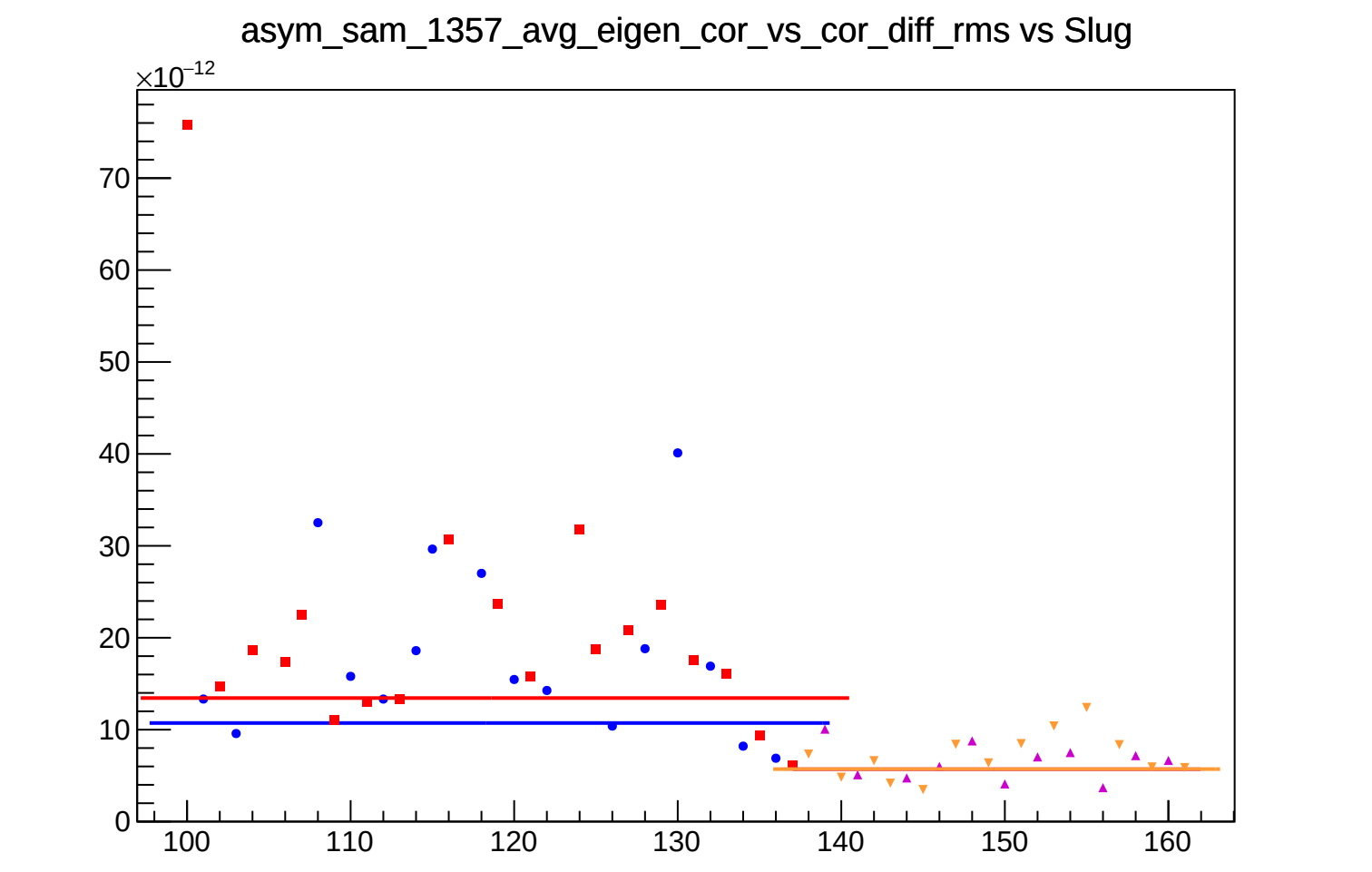
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/28

All: 0.000+/-0.000 χ^2/NDF: 63.5/58

- sign -0.000+/-0.000 χ^2/NDF: 35.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1554013.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

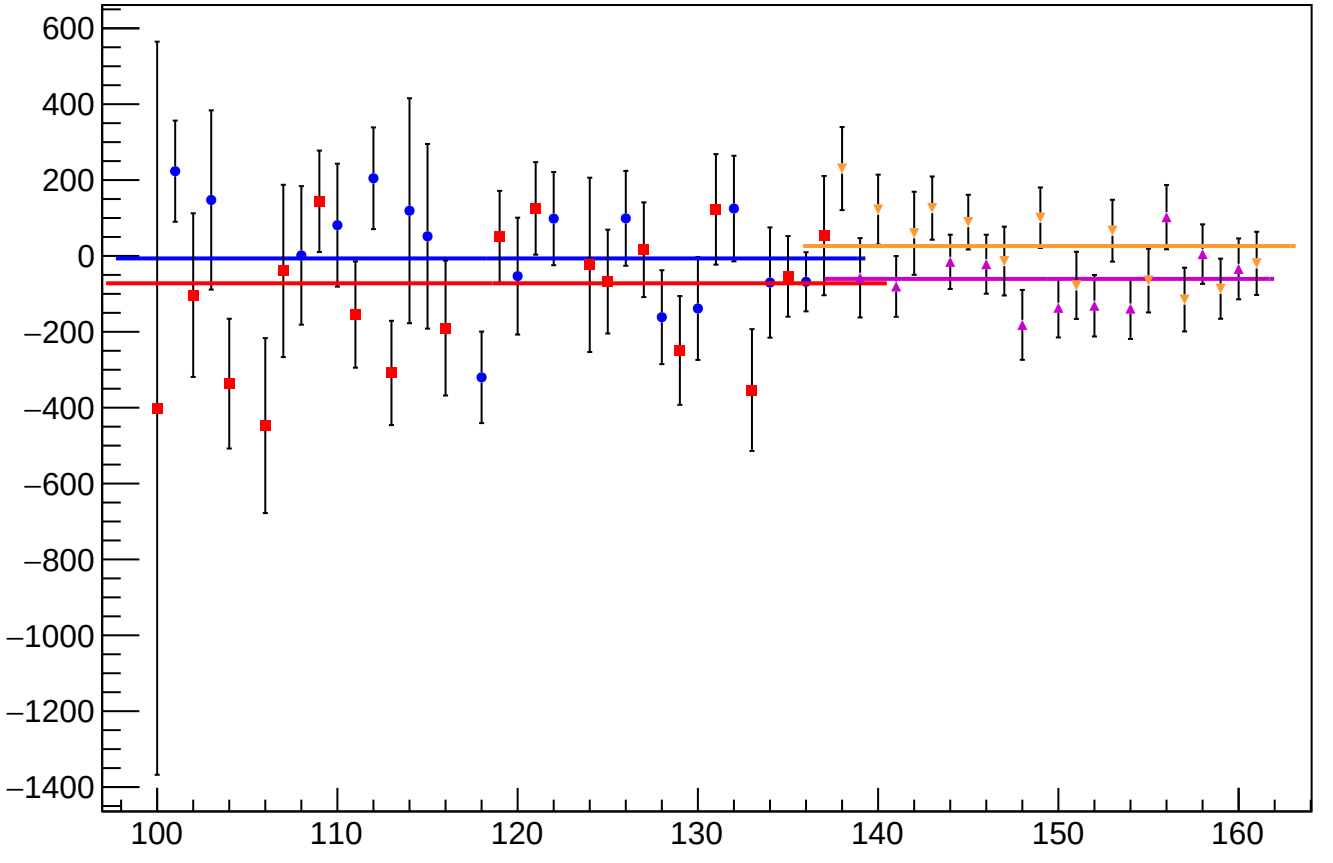
Left In: 0.000+/-0.000 χ^2/NDF:883338.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 4757331.5/28

All: 0.000+/-0.000 χ^2/NDF: 9515326.6/58

- sign 0.000+/-0.000 χ^2/NDF: 4749698.1/29

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 26.127+/-23.803 χ^2/NDF:15.9/12

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

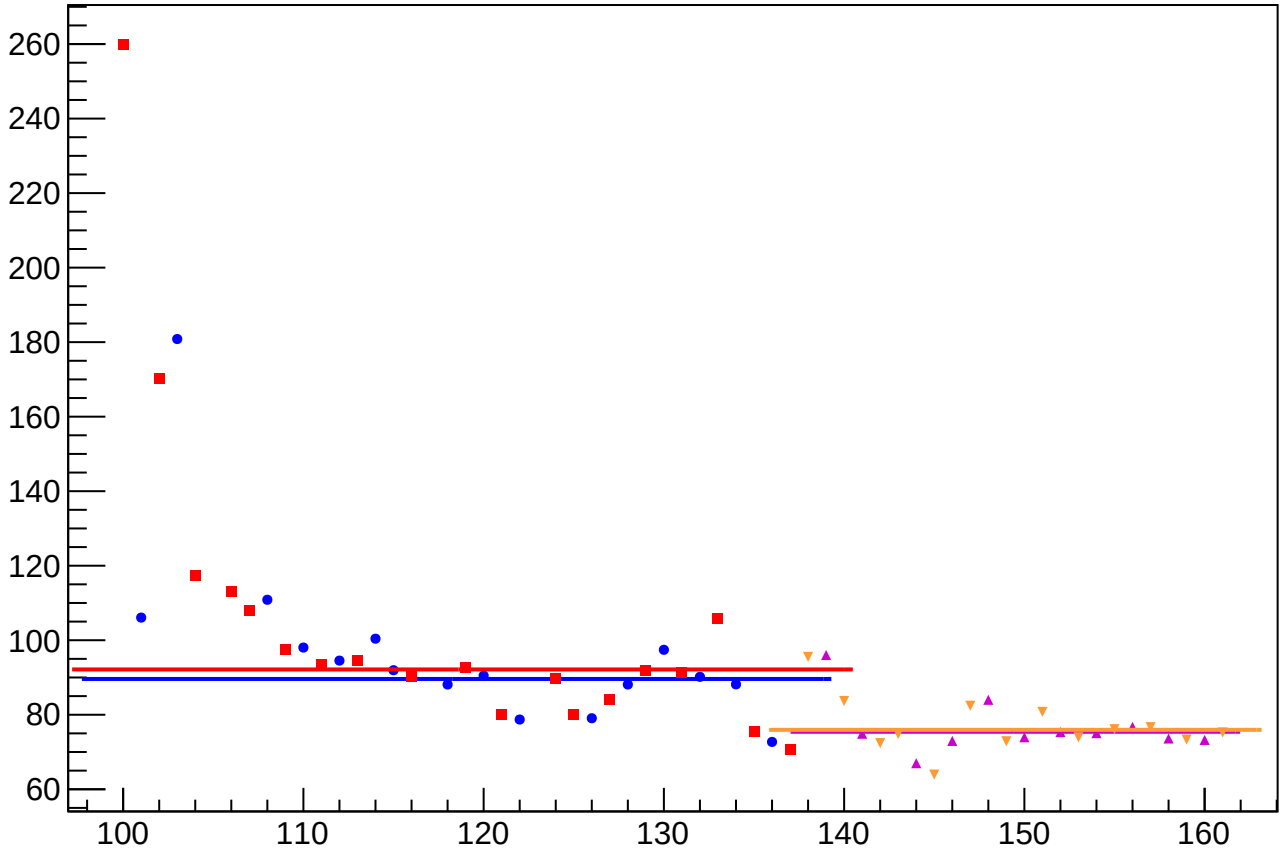
Left In: -60.520+/-24.582 χ^2/NDF:9.6/10

+ sign 15.496+/-19.553 χ^2/NDF: 35.4/28

All: -23.348+/-14.013 χ^2/NDF: 76.0/58

- sign -64.370+/-20.094 χ^2/NDF: 32.5/29

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 75.954+/-0.017 χ^2/NDF:158896.9/12

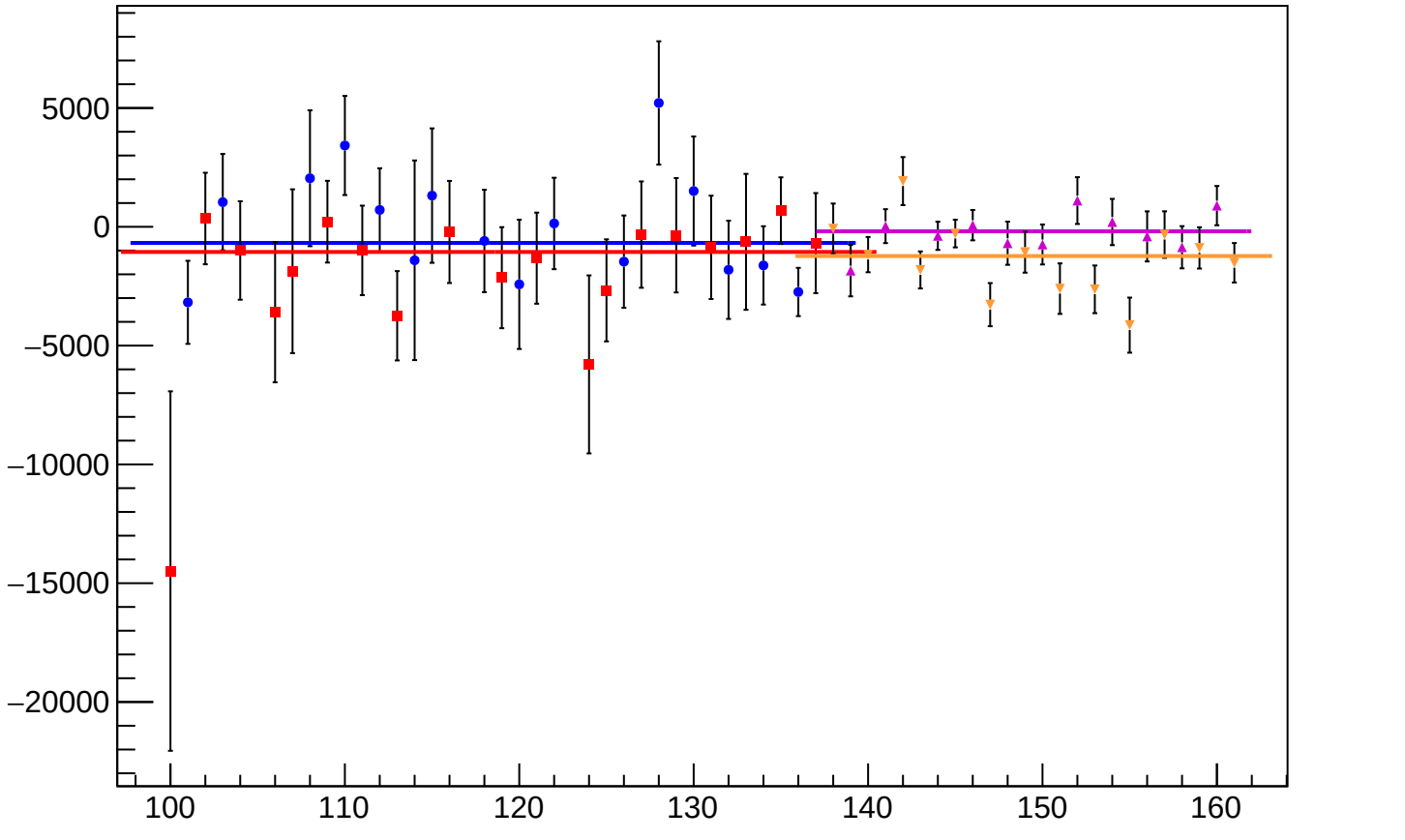
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.431+/-0.017 χ^2/NDF:128617.1/10

+ sign 80.393+/-0.014 χ^2/NDF: 871173.5/28

All: 80.680+/-0.010 χ^2/NDF: 1850151.6/58

- sign 80.982+/-0.014 χ^2/NDF: 978095.5/29



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1229.785+/-240.519 χ^2/NDF:30.3/12

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

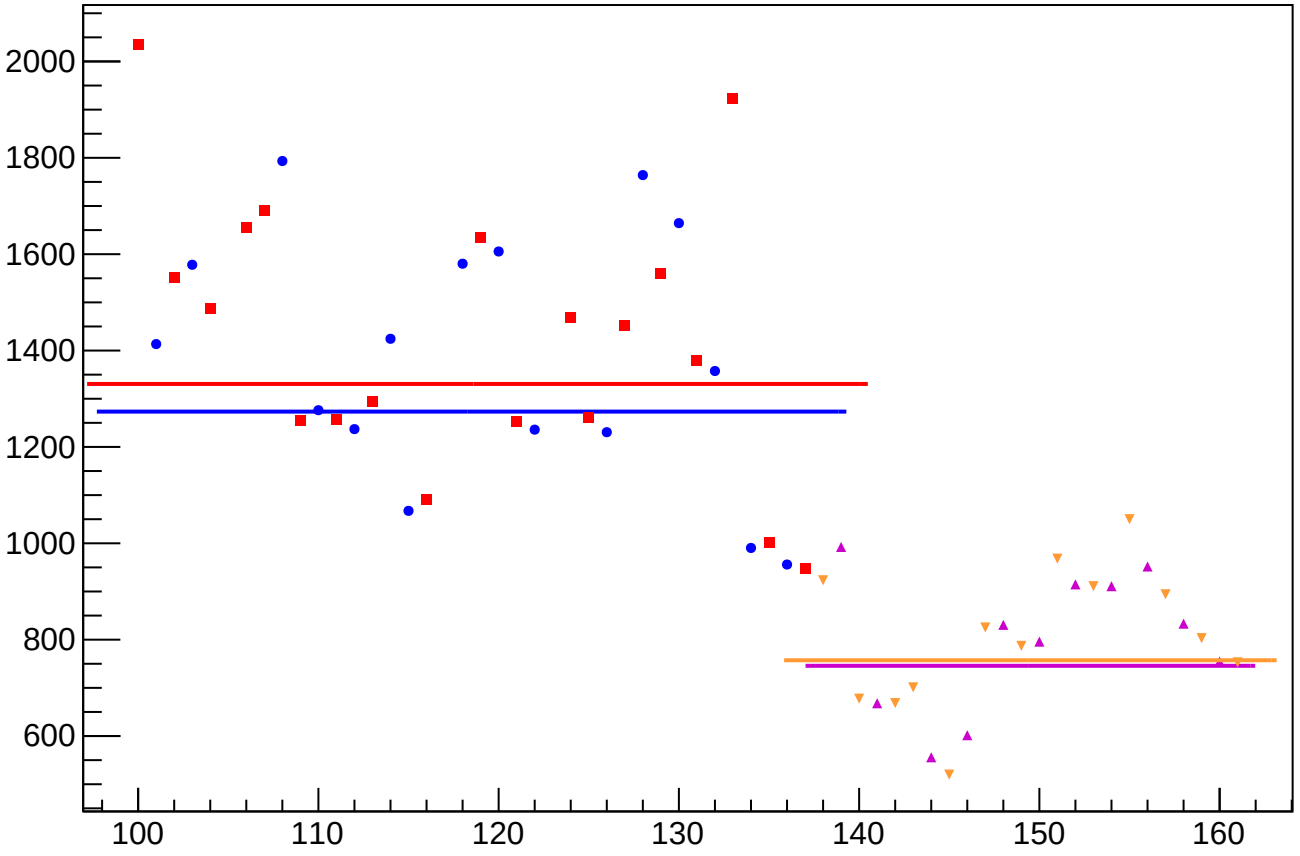
Left In: -189.842+/-246.629 χ^2/NDF:7.6/10

+ sign -1121.279+/-215.607 χ^2/NDF: 51.6/28

All: -750.735+/-154.283 χ^2/NDF: 79.2/58

- sign -361.894+/-220.866 χ^2/NDF: 21.6/29

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 757.254+/-0.170 χ^2/NDF:742307.5/12

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

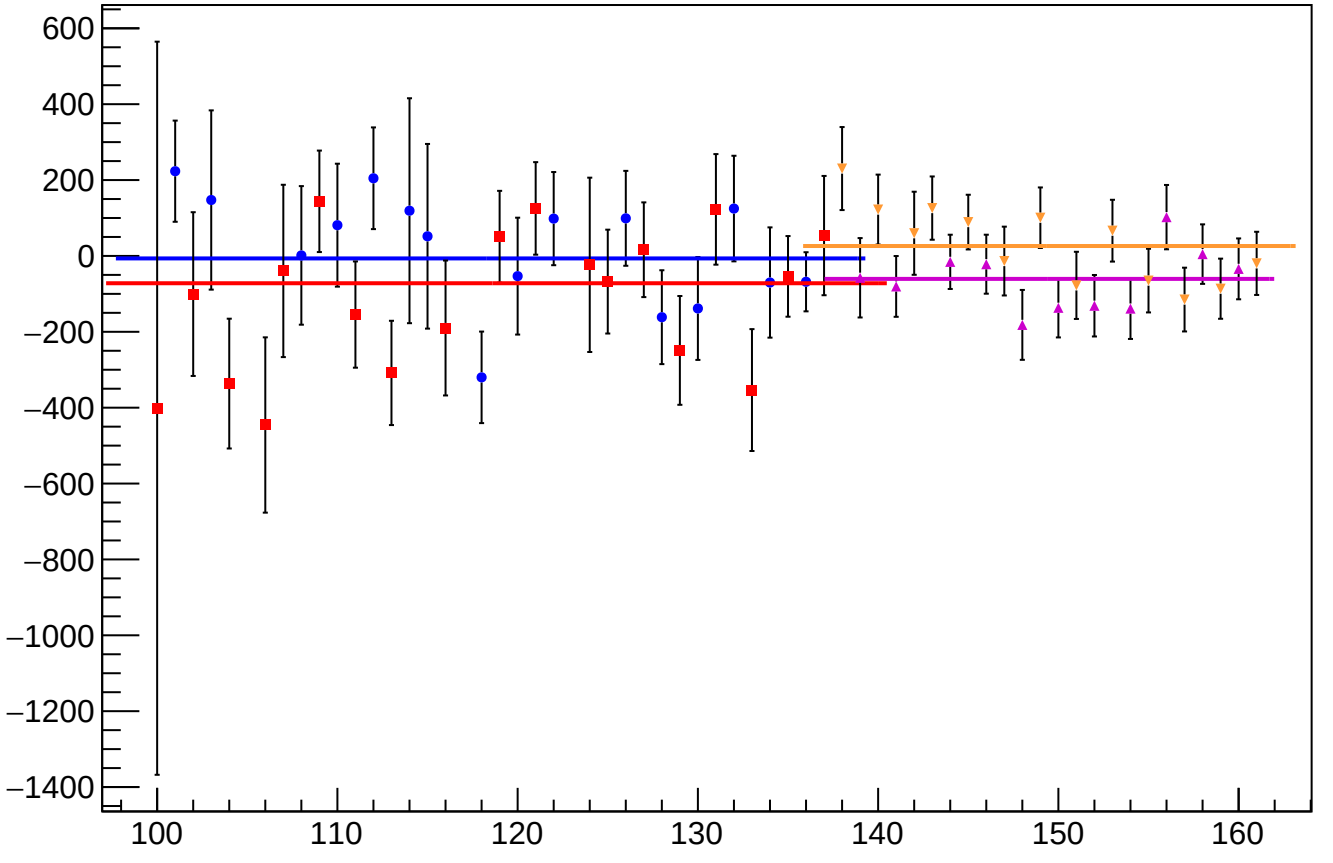
Left In: 745.774+/-0.174 χ^2/NDF:670663.4/10

+ sign 858.623+/-0.152 χ^2/NDF: 3148438.1/28

All: 860.071+/-0.109 χ^2/NDF: 6517401.9/58

- sign 861.591+/-0.156 χ^2/NDF: 3368778.9/29

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 26.129+/-23.803 χ^2/NDF:15.9/12

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

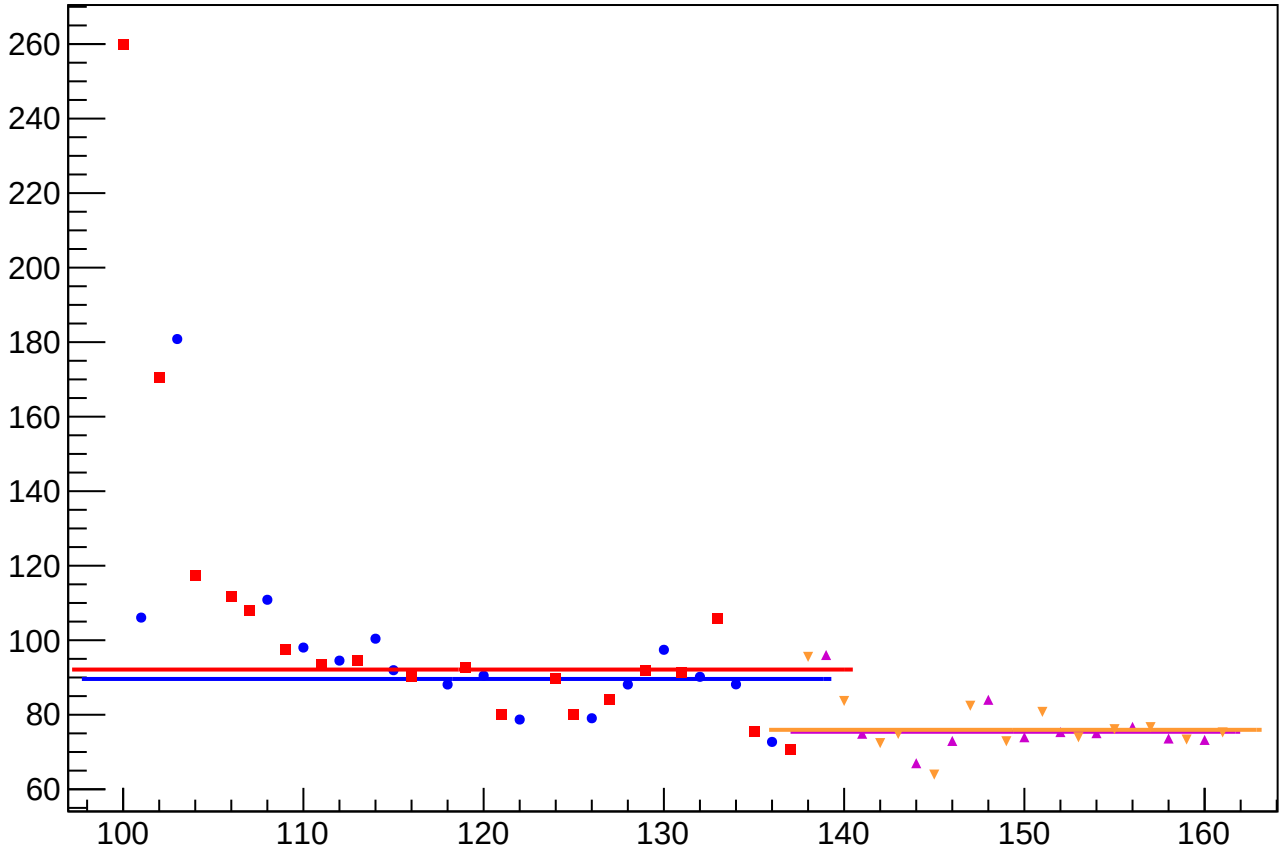
Left In: -60.523+/-24.582 χ^2/NDF:9.6/10

+ sign 15.495+/-19.553 χ^2/NDF: 35.4/28

All: -23.325+/-14.014 χ^2/NDF: 75.9/58

- sign -64.324+/-20.094 χ^2/NDF: 32.4/29

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.954+/-0.017 χ^2/NDF:158896.9/12

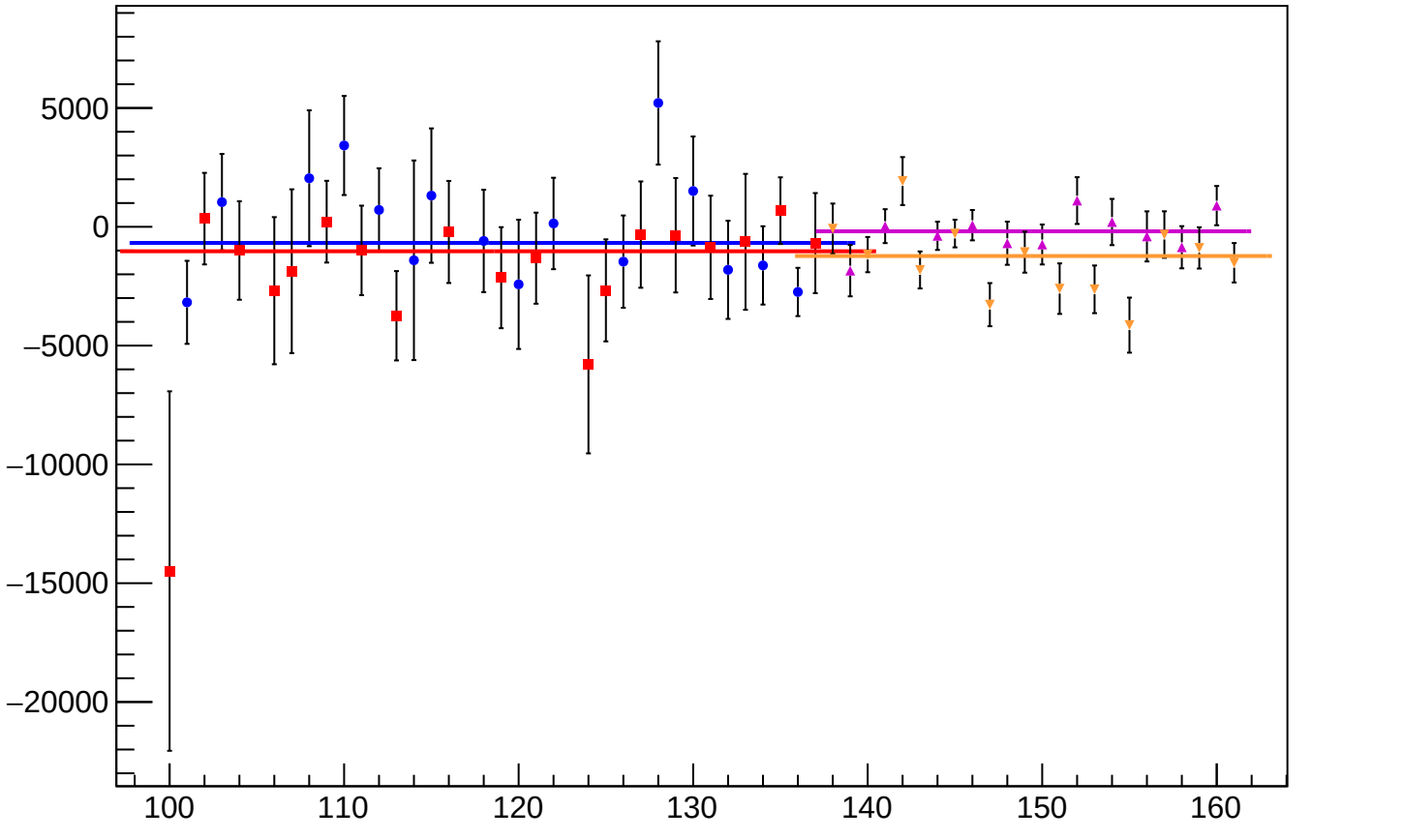
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.431+/-0.017 χ^2/NDF:128617.1/10

+ sign 80.393+/-0.014 χ^2/NDF: 871177.1/28

All: 80.674+/-0.010 χ^2/NDF: 1847167.0/58

- sign 80.971+/-0.014 χ^2/NDF: 975139.9/29



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1229.781+/-240.519 χ^2/NDF:30.3/12

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

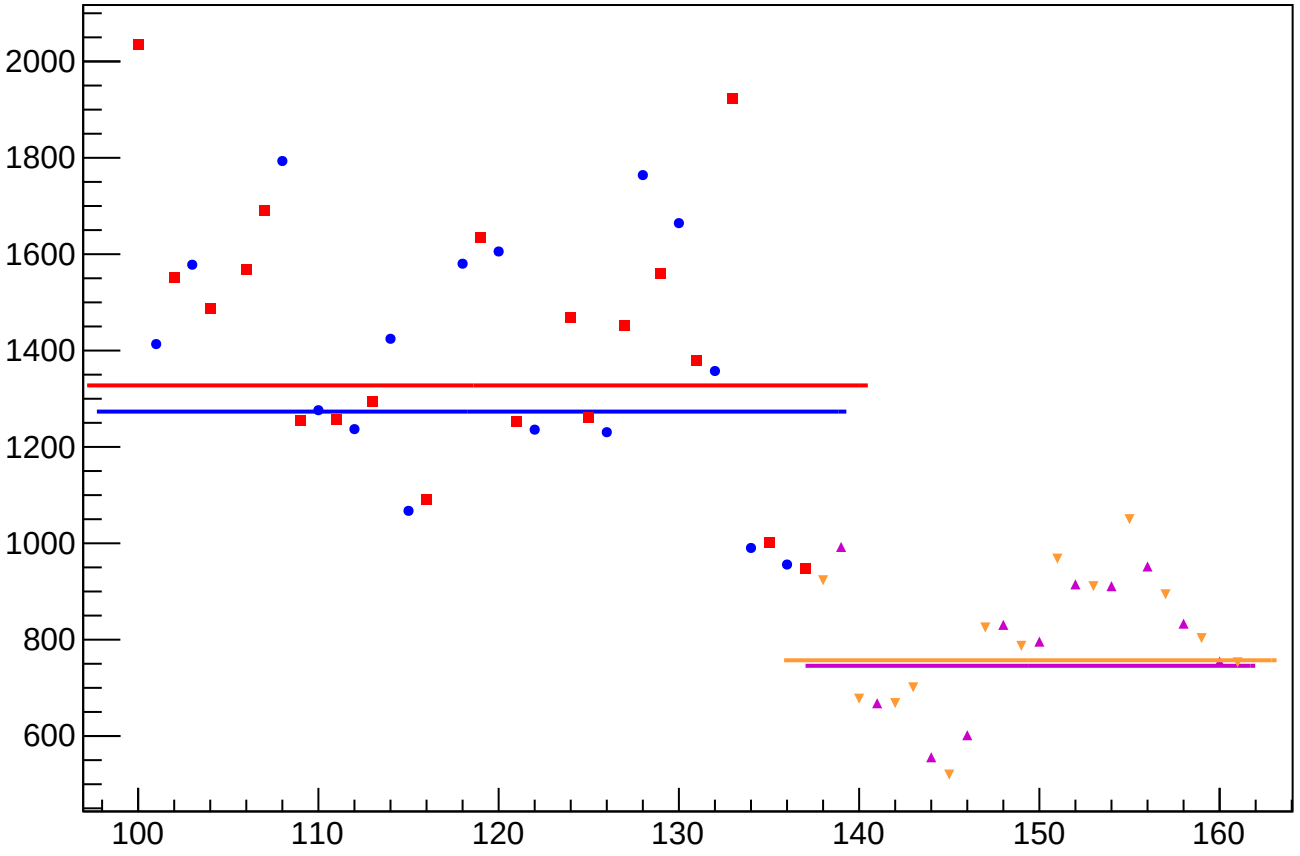
Left In: -189.847+/-246.629 χ^2/NDF:7.6/10

+ sign -1121.270+/-215.607 χ^2/NDF: 51.6/28

All: -747.822+/-154.303 χ^2/NDF: 78.7/58

- sign -355.726+/-220.925 χ^2/NDF: 20.9/29

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 757.254+/-0.170 χ^2/NDF:742310.9/12

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

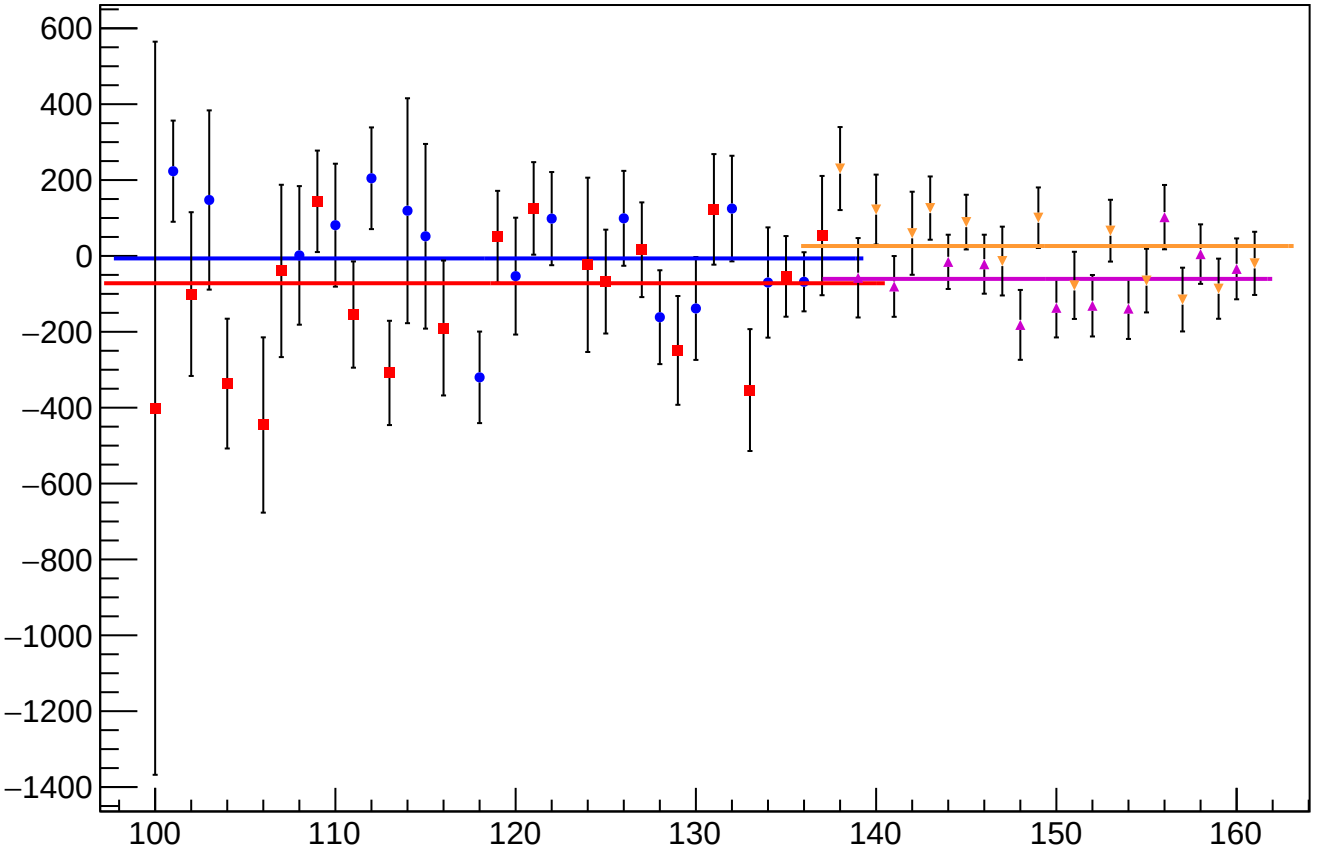
Left In: 745.775+/-0.174 χ^2/NDF:670661.1/10

+ sign 858.622+/-0.152 χ^2/NDF: 3148483.5/28

All: 859.657+/-0.109 χ^2/NDF: 6477421.4/58

- sign 860.744+/-0.156 χ^2/NDF: 3328843.4/29

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 26.129+/-23.803 χ^2/NDF:15.9/12

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

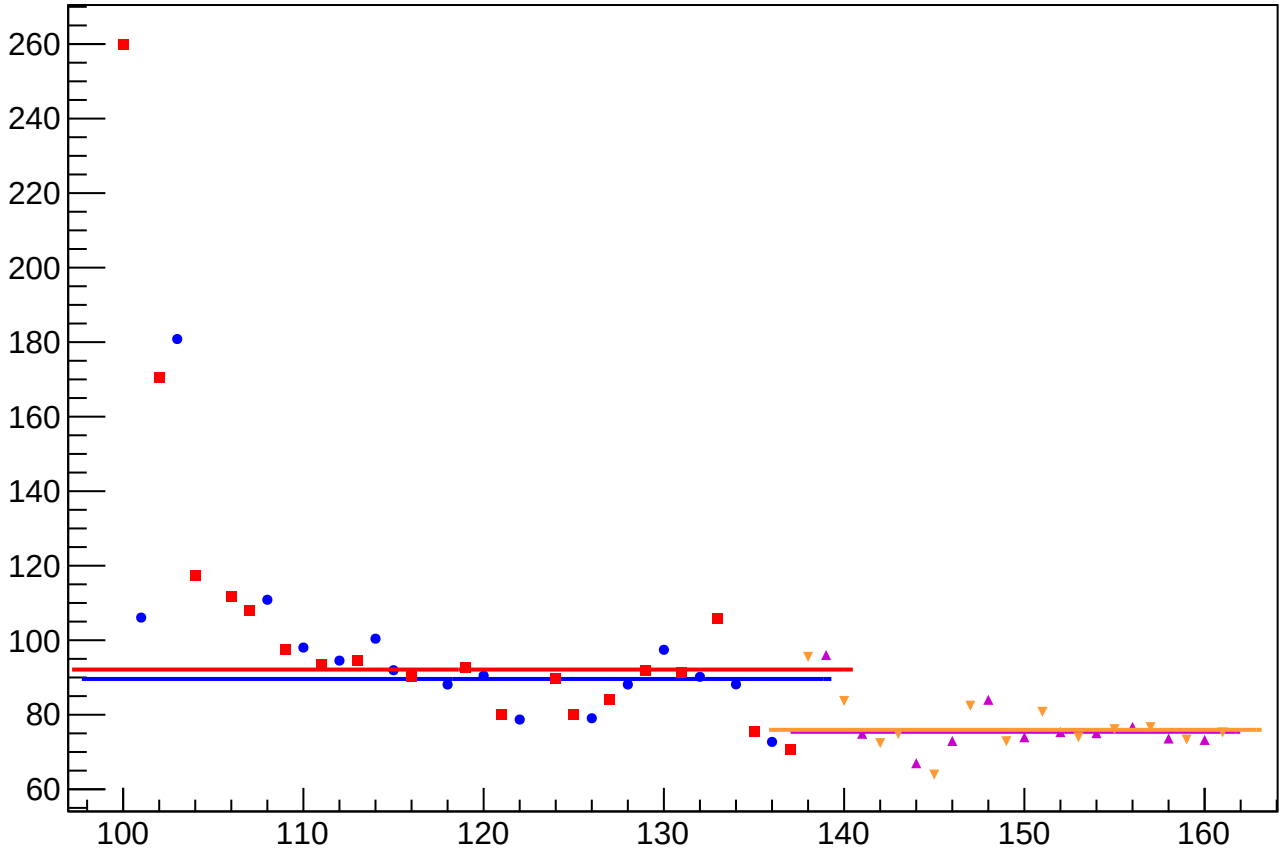
Left In: -60.523+/-24.582 χ^2/NDF:9.6/10

+ sign 15.495+/-19.553 χ^2/NDF: 35.4/28

All: -23.325+/-14.014 χ^2/NDF: 75.9/58

- sign -64.324+/-20.094 χ^2/NDF: 32.4/29

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.954+/-0.017 χ^2/NDF:158896.9/12

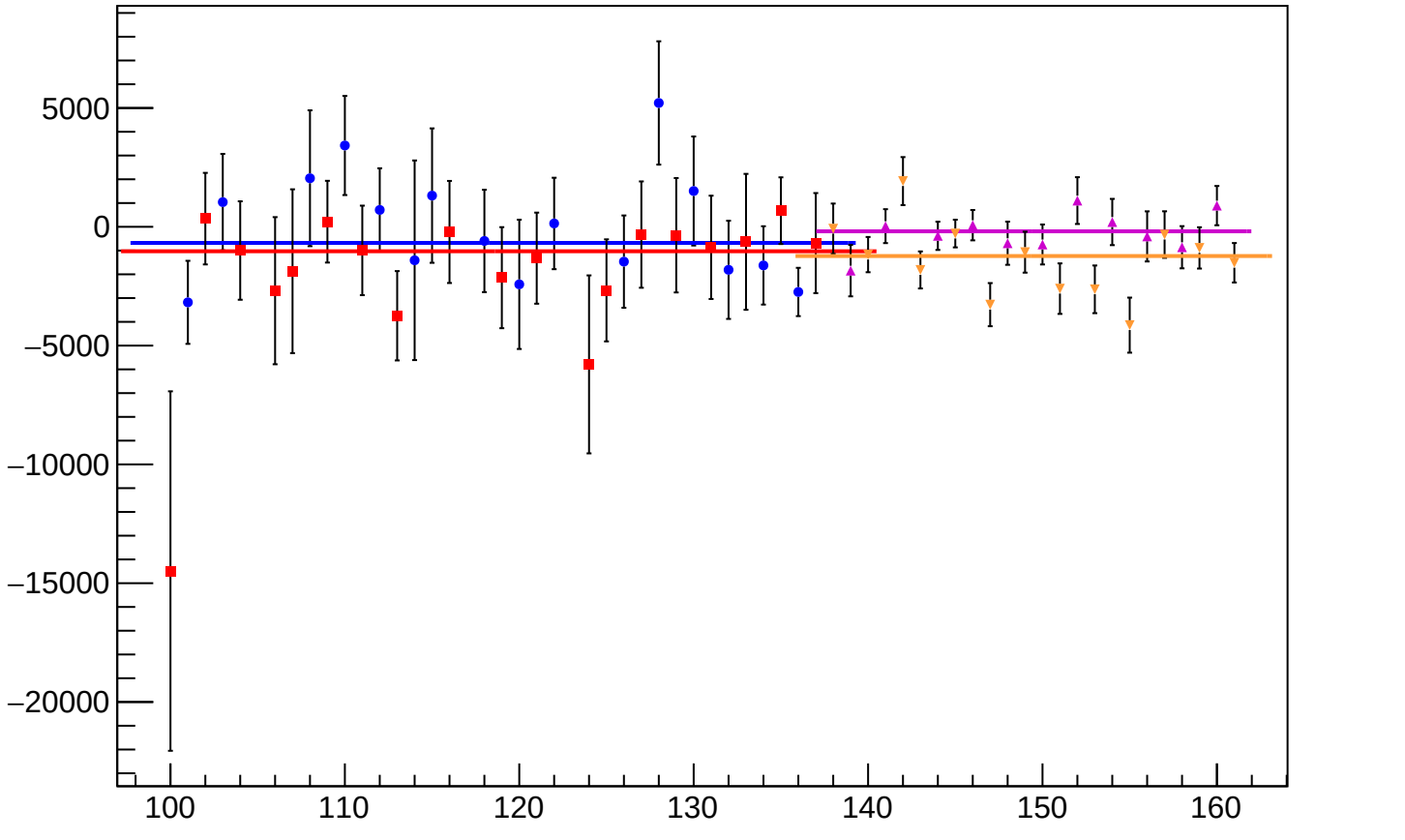
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.431+/-0.017 χ^2/NDF:128617.1/10

+ sign 80.393+/-0.014 χ^2/NDF: 871177.1/28

All: 80.674+/-0.010 χ^2/NDF: 1847167.0/58

- sign 80.971+/-0.014 χ^2/NDF: 975139.9/29



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1229.781+/-240.519 χ^2/NDF:30.3/12

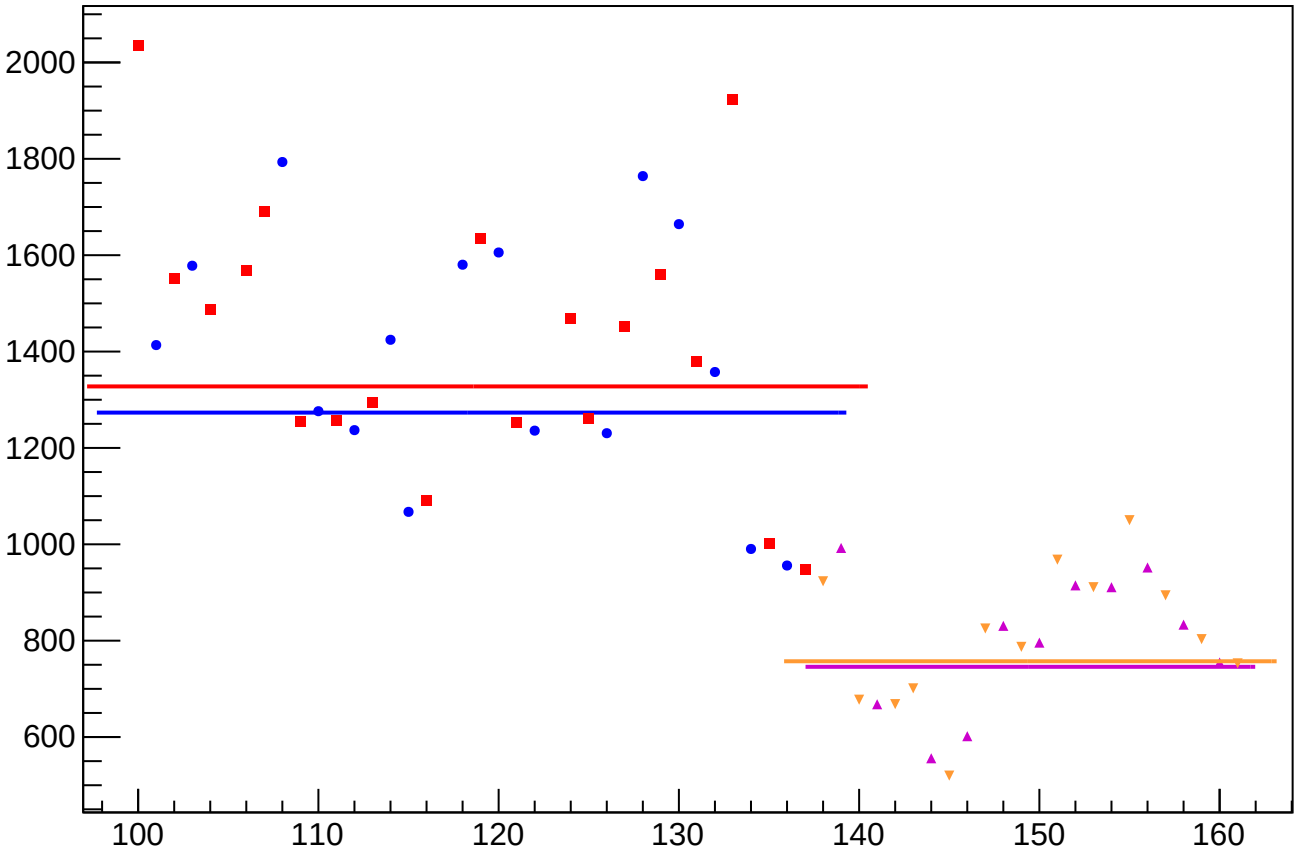
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -189.847+/-246.629 χ^2/NDF:7.6/10

+ sign -1121.270+/-215.607 χ^2/NDF: 51.6/28

All: -747.822+/-154.303 χ^2/NDF: 78.7/58

- sign -355.726+/-220.925 χ^2/NDF: 20.9/29



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 757.254+/-0.170 χ^2/NDF:742310.9/12

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

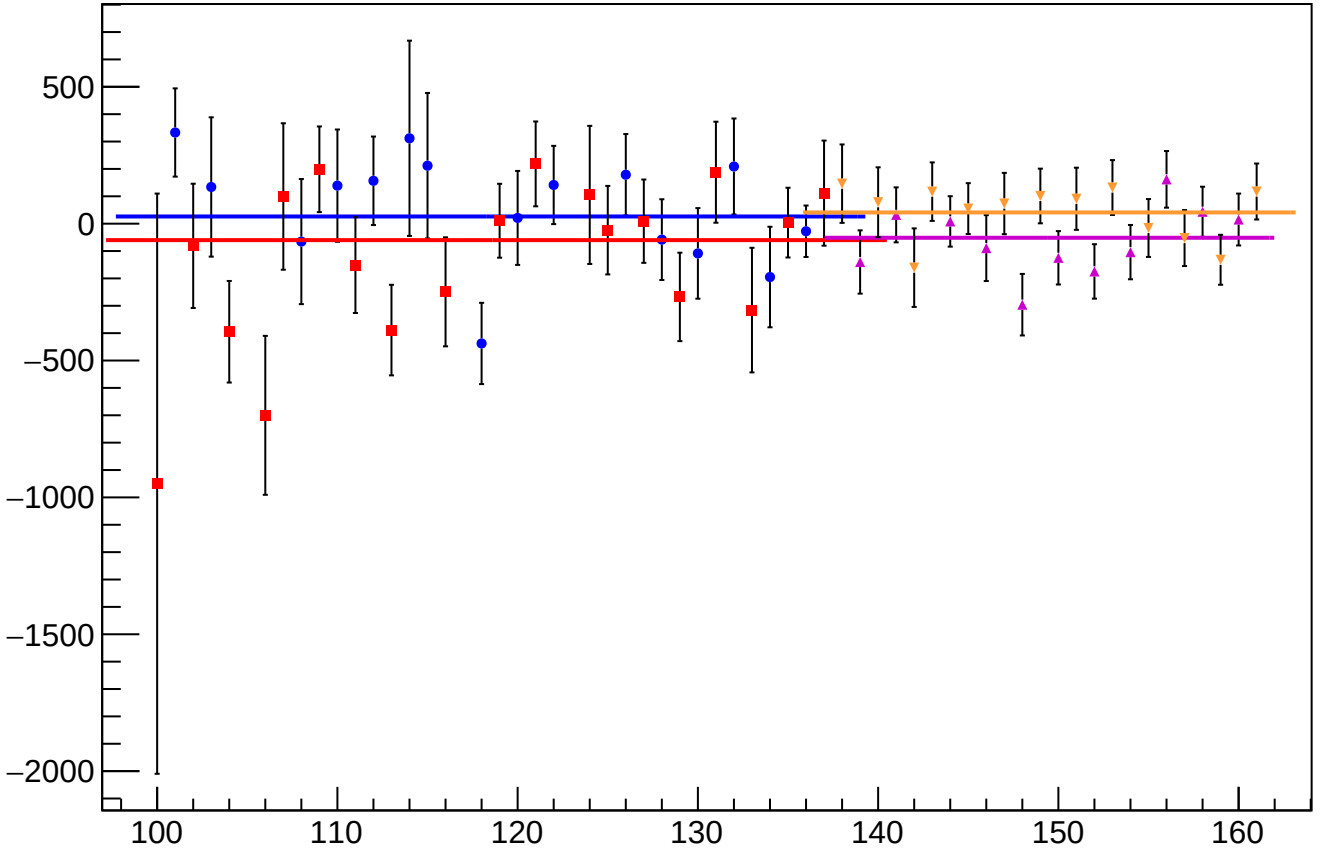
Left In: 745.775+/-0.174 χ^2/NDF:670661.1/10

+ sign 858.622+/-0.152 χ^2/NDF: 3148483.5/28

All: 859.657+/-0.109 χ^2/NDF: 6477421.4/58

- sign 860.744+/-0.156 χ^2/NDF: 3328843.4/29

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 40.971+/-29.880 χ^2/NDF:9.9/12

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

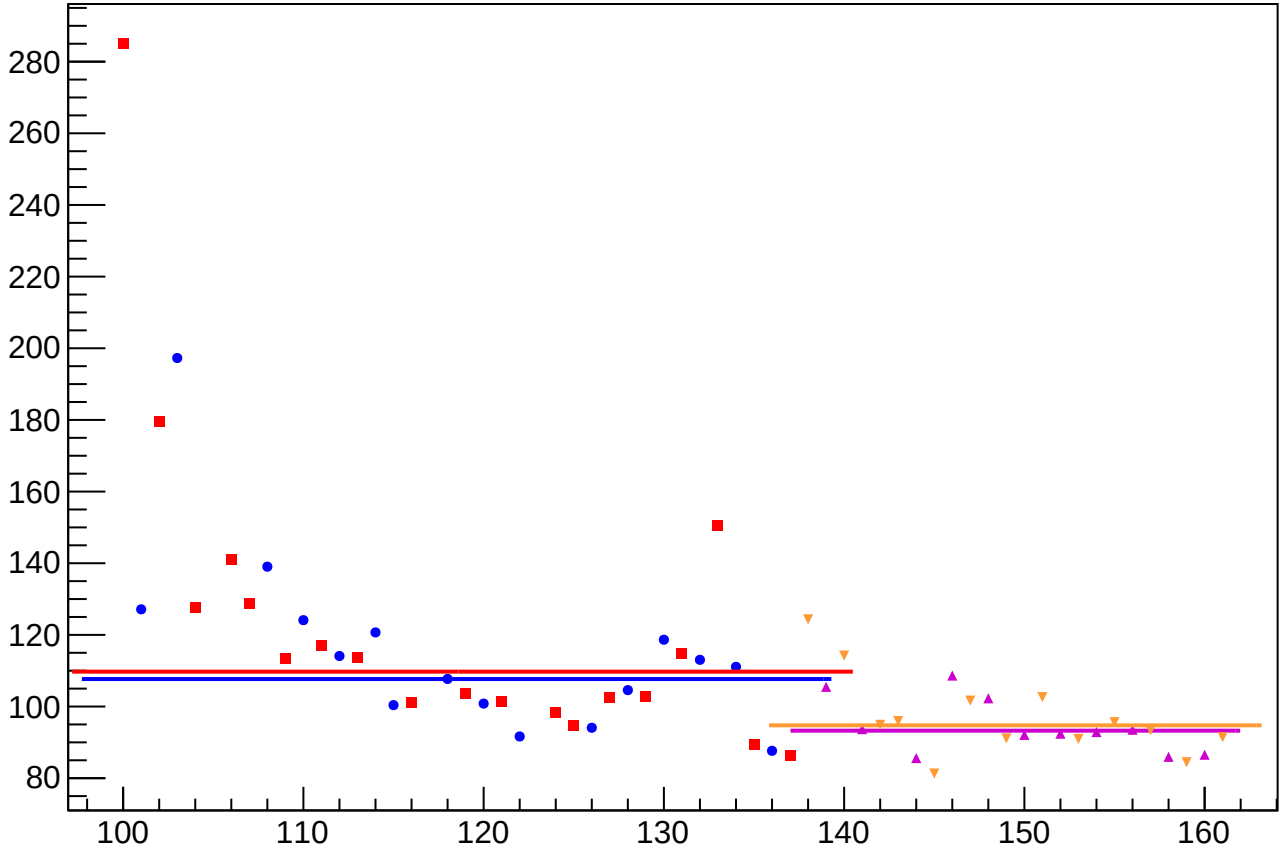
Left In: -51.519+/-30.541 χ^2/NDF:14.7/10

+ sign 35.901+/-24.193 χ^2/NDF: 31.3/28

All: -8.557+/-17.250 χ^2/NDF: 80.0/58

- sign -54.537+/-24.604 χ^2/NDF: 41.8/29

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 94.755+/-0.021 χ^2/NDF:224854.0/12

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

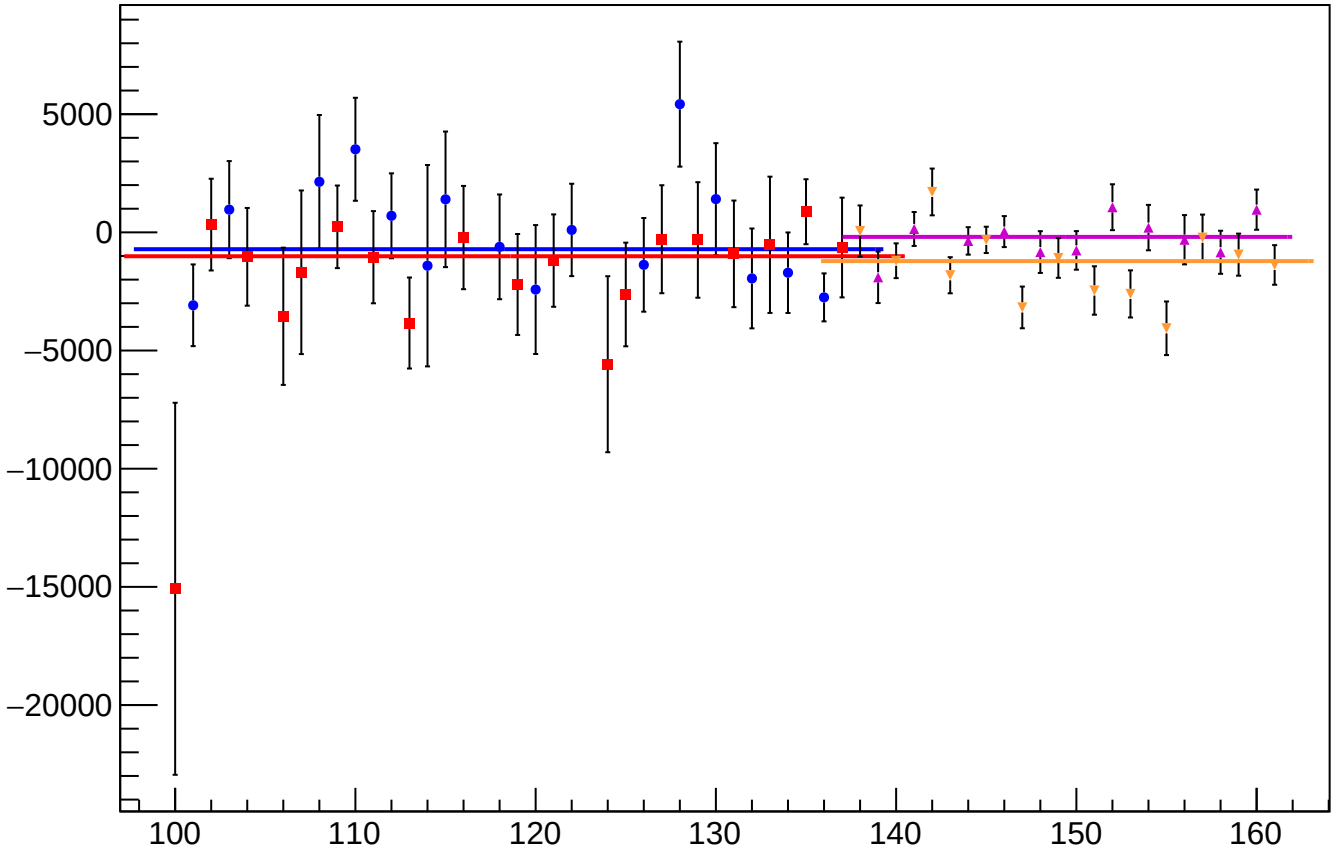
Left In: 93.262+/-0.022 χ^2/NDF:105003.4/10

\+ sign 99.207+/-0.017 χ^2/NDF: 836874.6/28

All: 99.128+/-0.012 χ^2/NDF: 1638062.2/58

\- sign 99.045+/-0.017 χ^2/NDF: 801143.5/29

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1216.438+/-236.763 χ^2/NDF:29.2/12

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

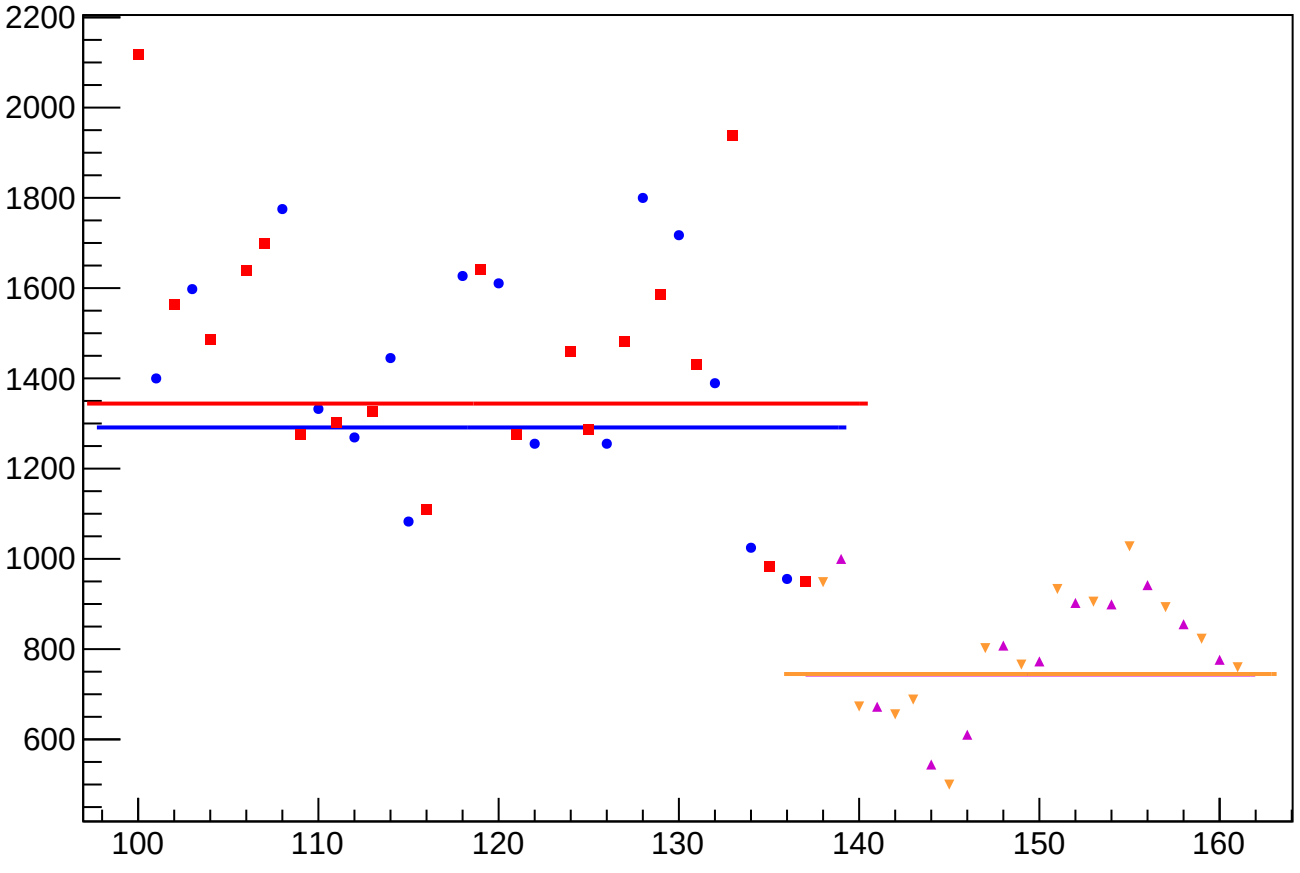
Left In: -191.811+/-246.131 χ^2/NDF:8.1/10

+ sign -1122.144+/-213.447 χ^2/NDF: 50.1/28

All: -749.785+/-153.512 χ^2/NDF: 78.4/58

- sign -350.808+/-220.944 χ^2/NDF: 22.0/29

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 744.869+/-0.167 χ^2/NDF:820177.5/12

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

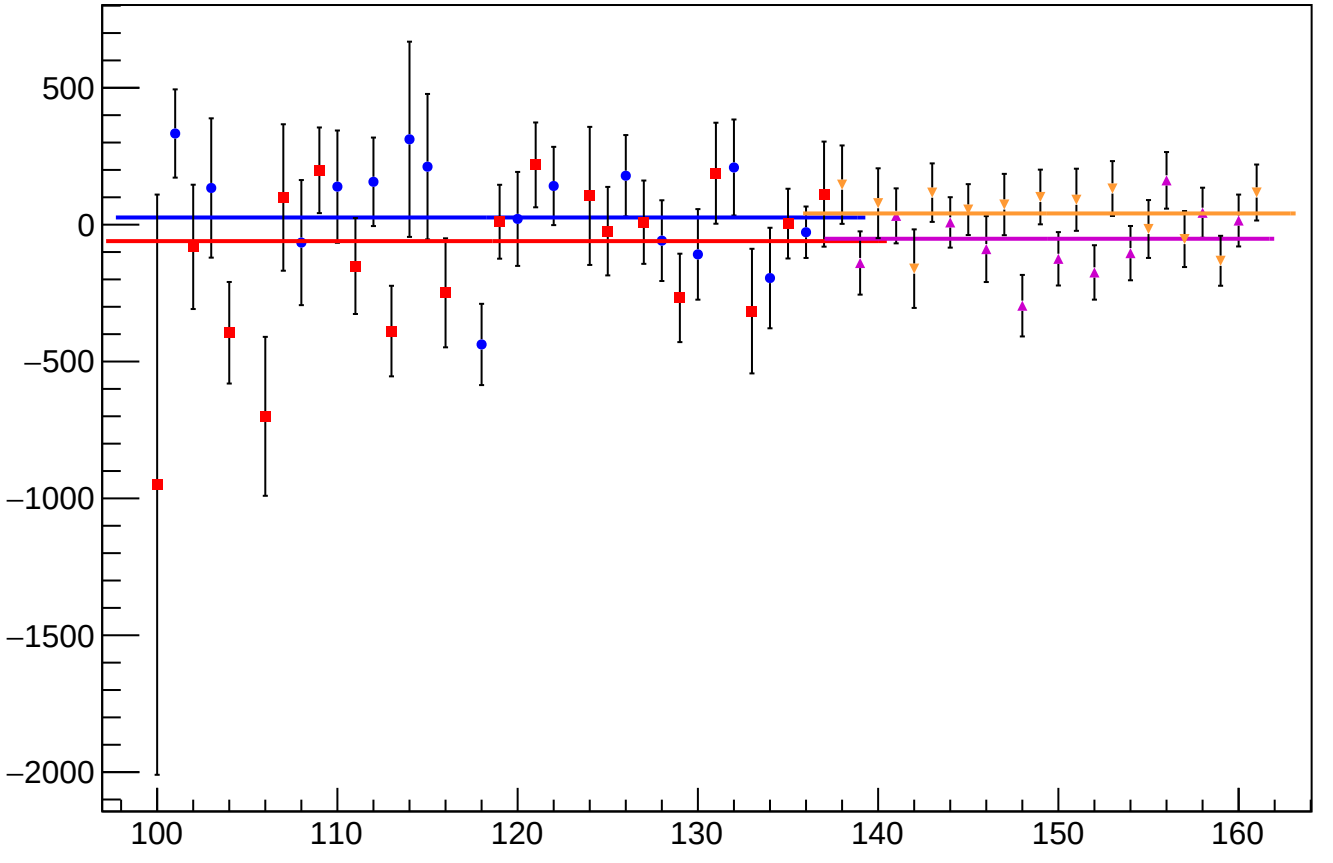
Left In: 743.804+/-0.174 χ^2/NDF:672563.9/10

+ sign 847.178+/-0.151 χ^2/NDF: 3425382.0/28

All: 853.553+/-0.109 χ^2/NDF: 6903033.6/58

- sign 860.383+/-0.156 χ^2/NDF: 3473956.4/29

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 40.973+/-29.880 χ^2/NDF:9.9/12

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

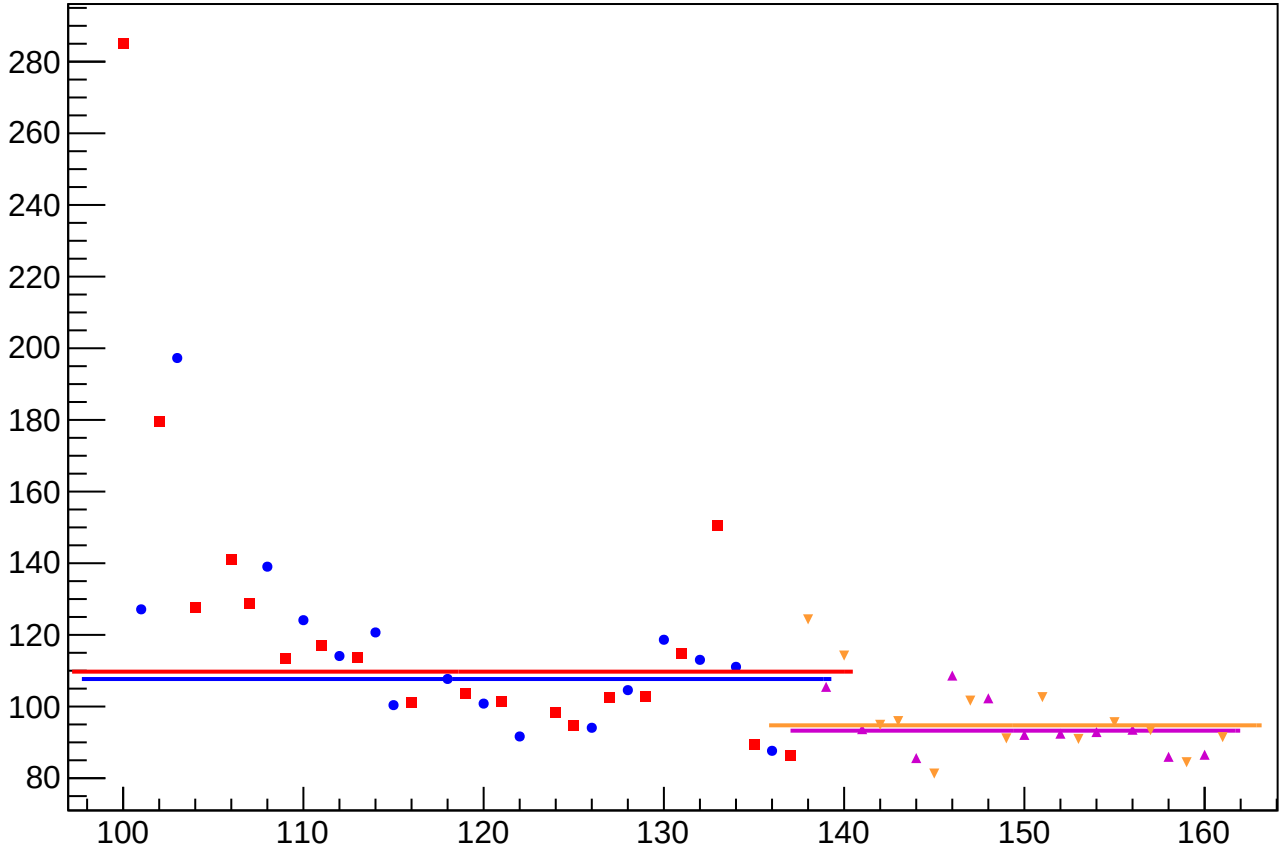
Left In: -51.517+/-30.541 χ^2/NDF:14.7/10

+ sign 35.902+/-24.193 χ^2/NDF: 31.3/28

All: -8.556+/-17.250 χ^2/NDF: 80.0/58

- sign -54.536+/-24.604 χ^2/NDF: 41.8/29

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 94.756+/-0.021 χ^2/NDF:224846.7/12

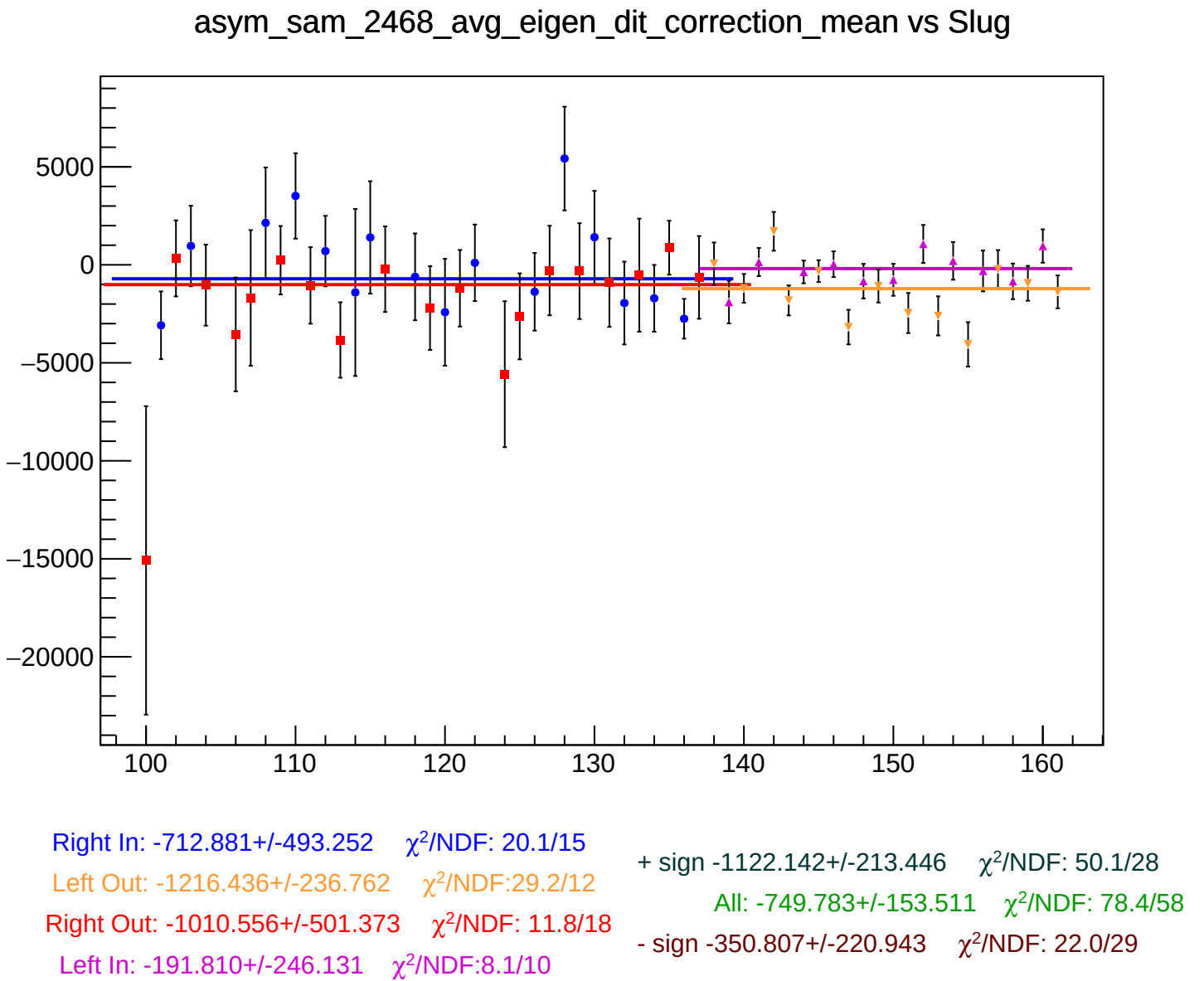
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 93.262+/-0.022 χ^2/NDF:105005.7/10

+ sign 99.207+/-0.017 χ^2/NDF: 836833.0/28

All: 99.128+/-0.012 χ^2/NDF: 1637999.1/58

- sign 99.045+/-0.017 χ^2/NDF: 801122.1/29



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -1216.436+/-236.762 χ^2/NDF:29.2/12

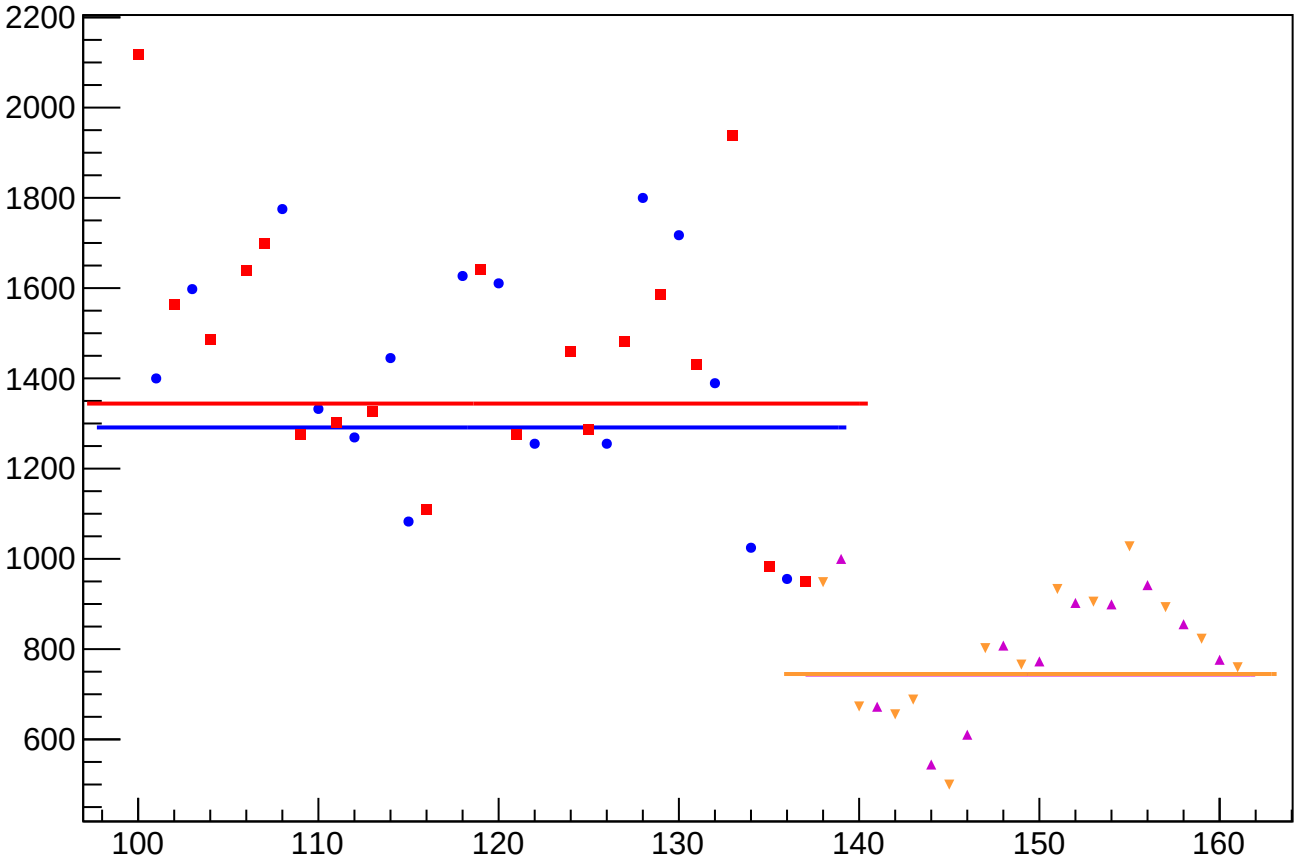
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -191.810+/-246.131 χ^2/NDF:8.1/10

+ sign -1122.142+/-213.446 χ^2/NDF: 50.1/28

All: -749.783+/-153.511 χ^2/NDF: 78.4/58

- sign -350.807+/-220.943 χ^2/NDF: 22.0/29



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 744.867+/-0.167 χ^2/NDF:820185.4/12

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

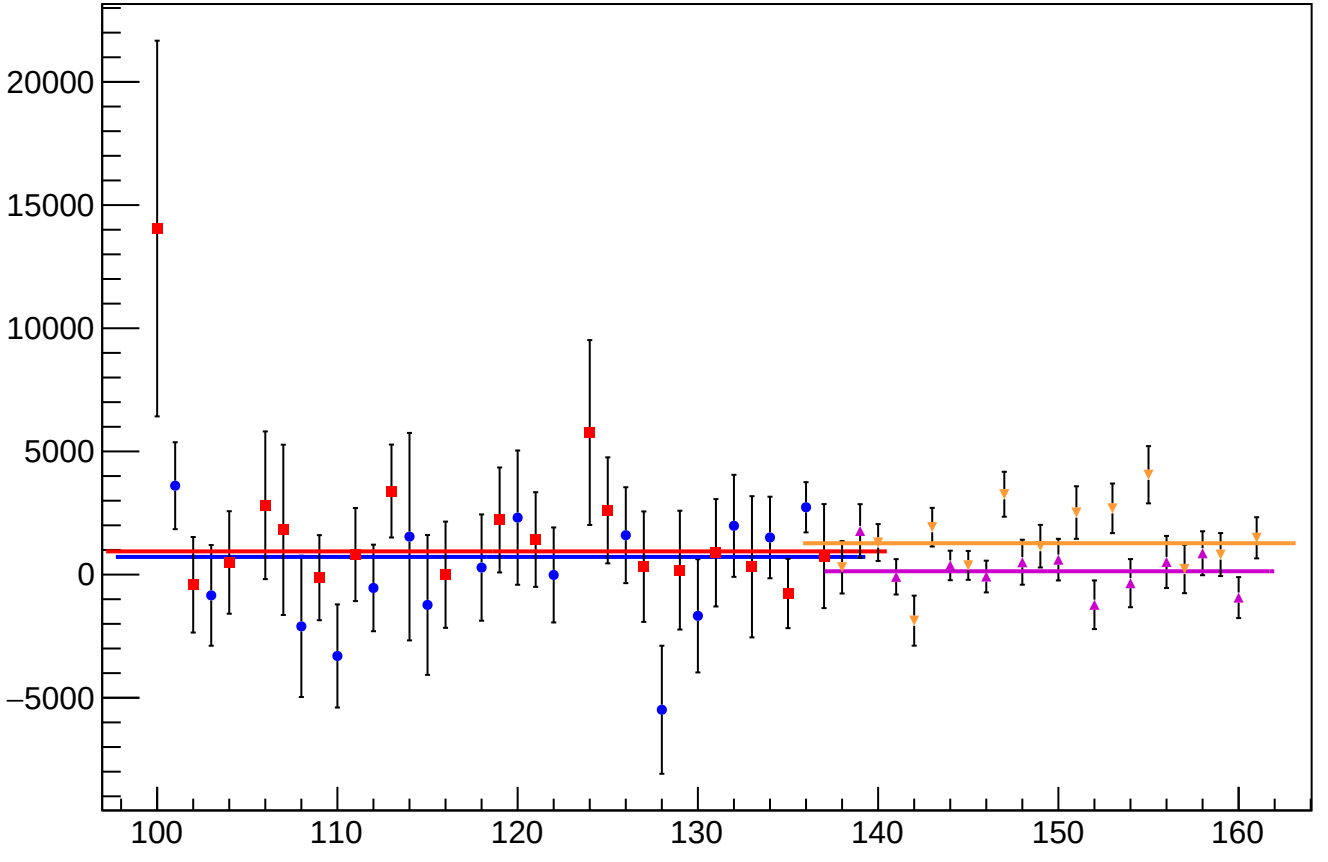
Left In: 743.803+/-0.174 χ^2/NDF:672563.9/10

+ sign 847.176+/-0.151 χ^2/NDF: 3425387.3/28

All: 853.551+/-0.109 χ^2/NDF: 6903033.5/58

- sign 860.381+/-0.156 χ^2/NDF: 3473950.7/29

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1273.362+/-241.848 χ^2/NDF:28.8/12

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

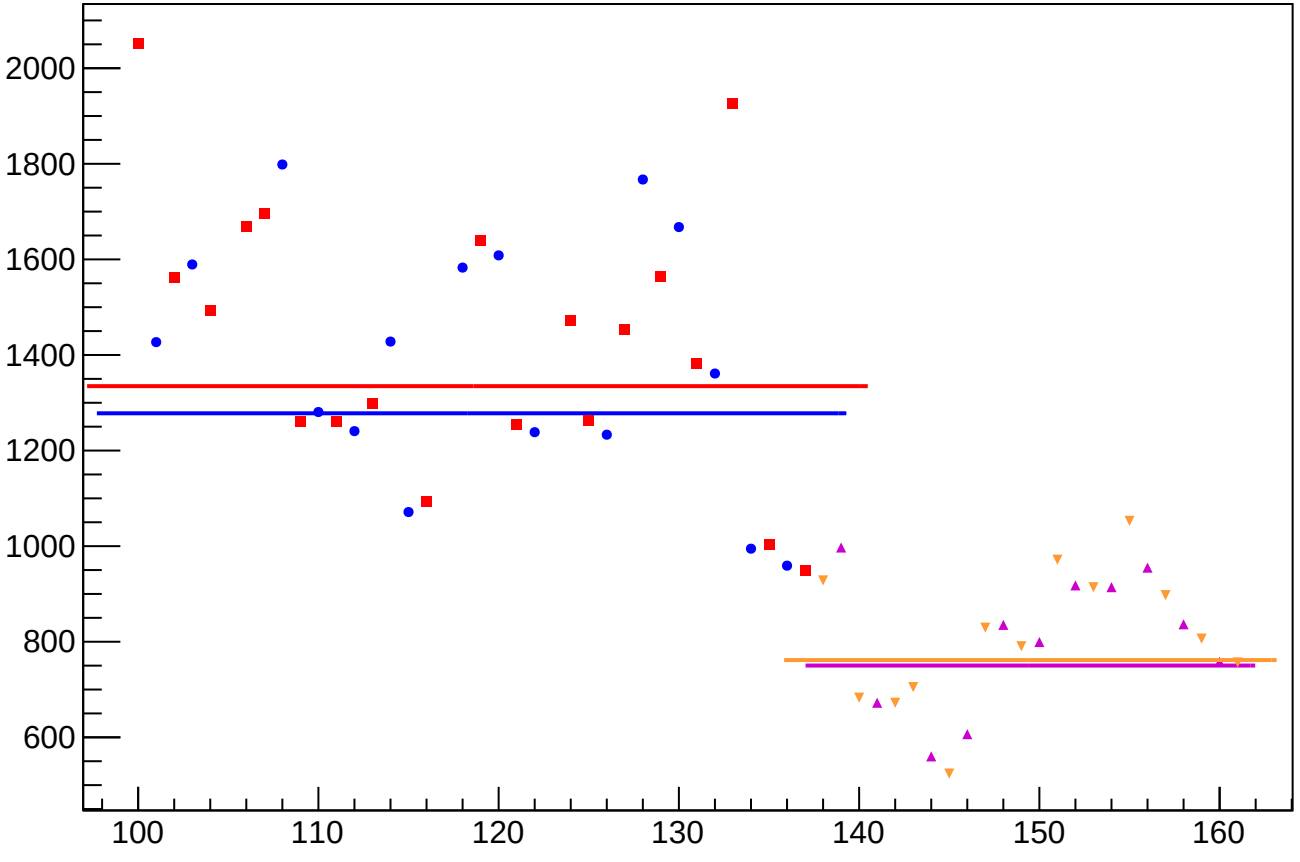
Left In: 135.481+/-248.009 χ^2/NDF:7.7/10

+ sign 1163.866+/-216.717 χ^2/NDF: 50.8/28

All: 740.294+/-155.079 χ^2/NDF: 79.0/58

- sign 295.793+/-222.007 χ^2/NDF: 20.4/29

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 761.664+/-0.171 χ^2/NDF:730910.3/12

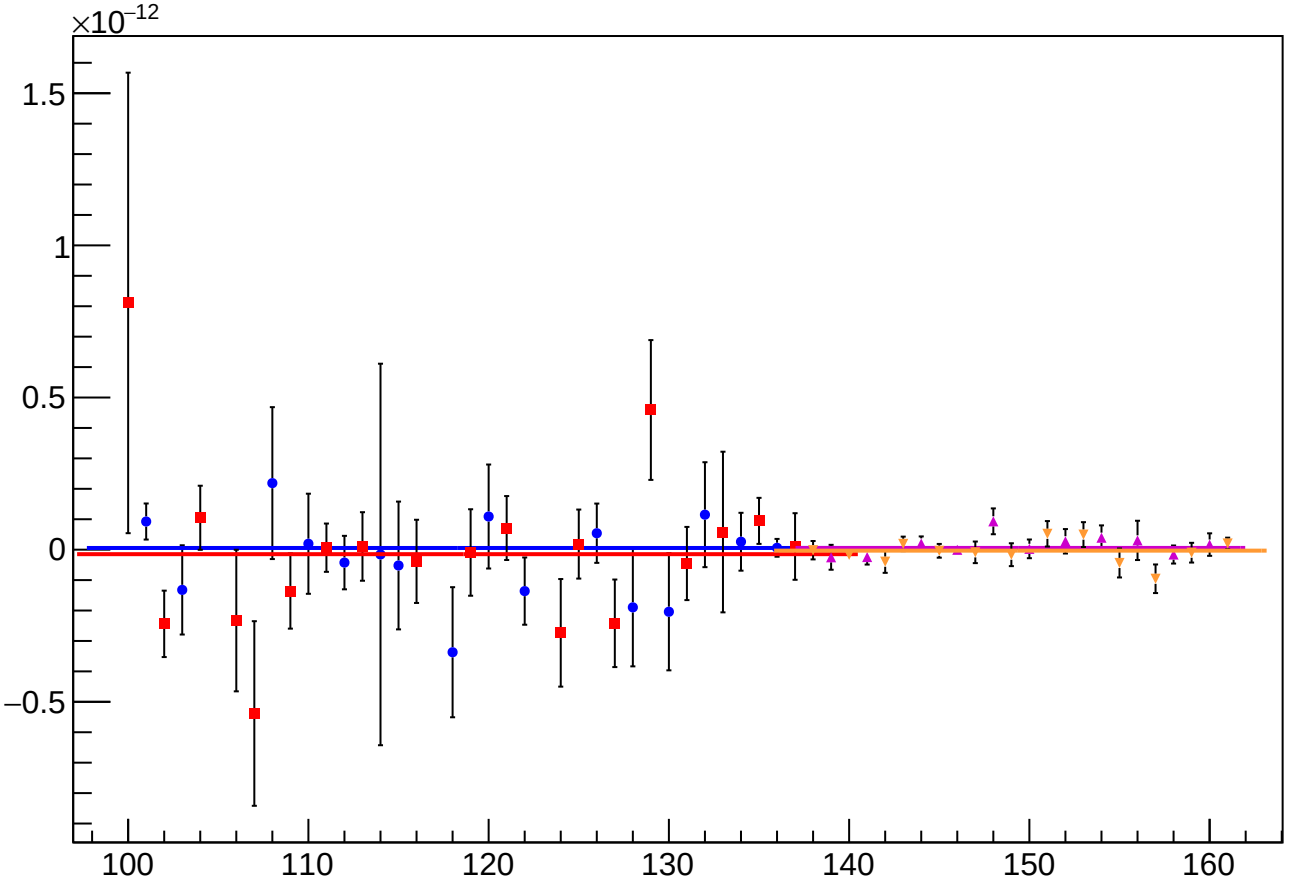
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 750.184+/-0.175 χ^2/NDF:659931.2/10

+ sign 863.392+/-0.153 χ^2/NDF: 3124533.3/28

All: 864.830+/-0.110 χ^2/NDF: 6464466.9/58

- sign 866.339+/-0.157 χ^2/NDF: 3339753.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/12

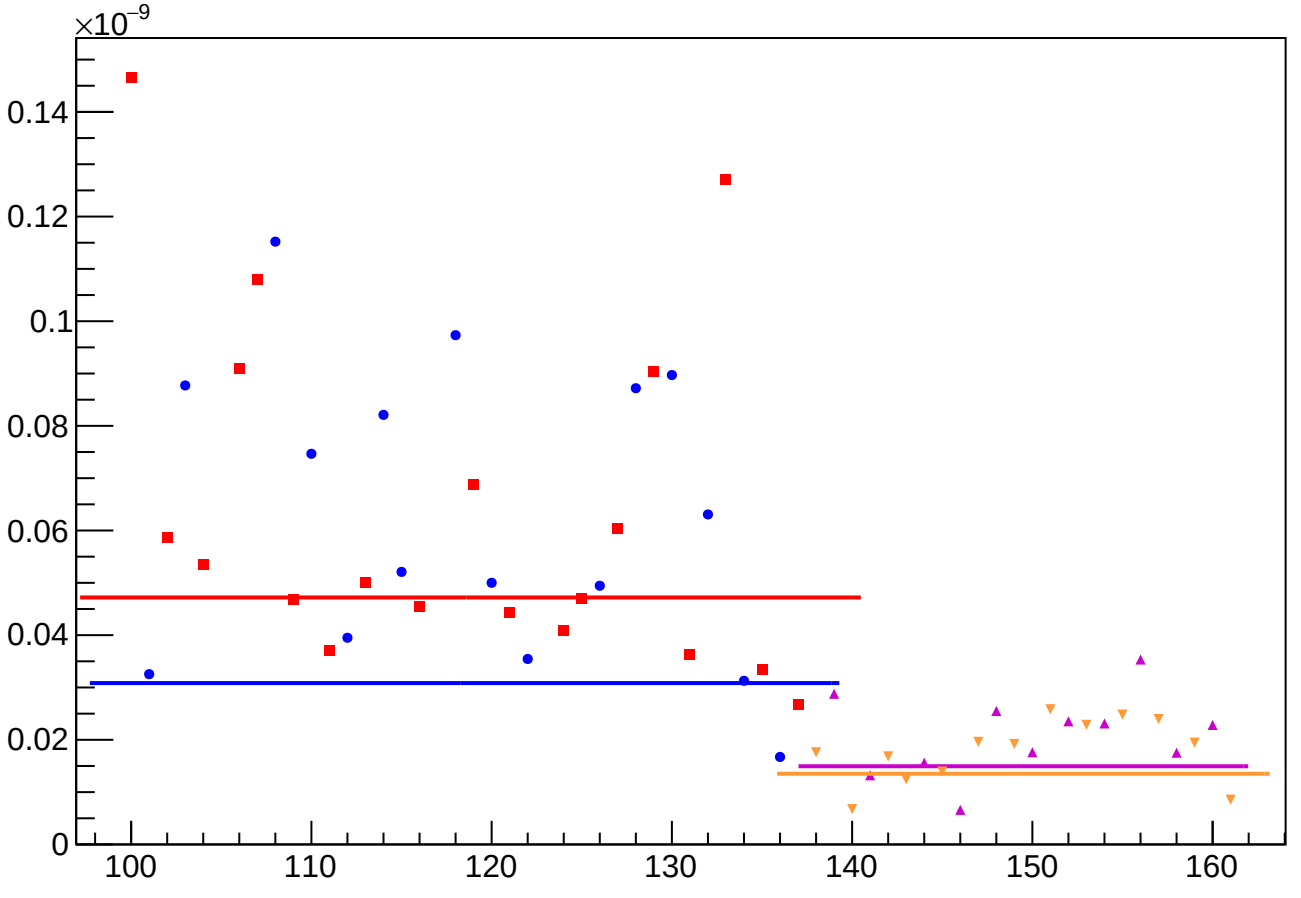
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 24.2/28

All: 0.000+/-0.000 χ^2/NDF: 57.3/58

- sign 0.000+/-0.000 χ^2/NDF: 32.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1249676.2/12

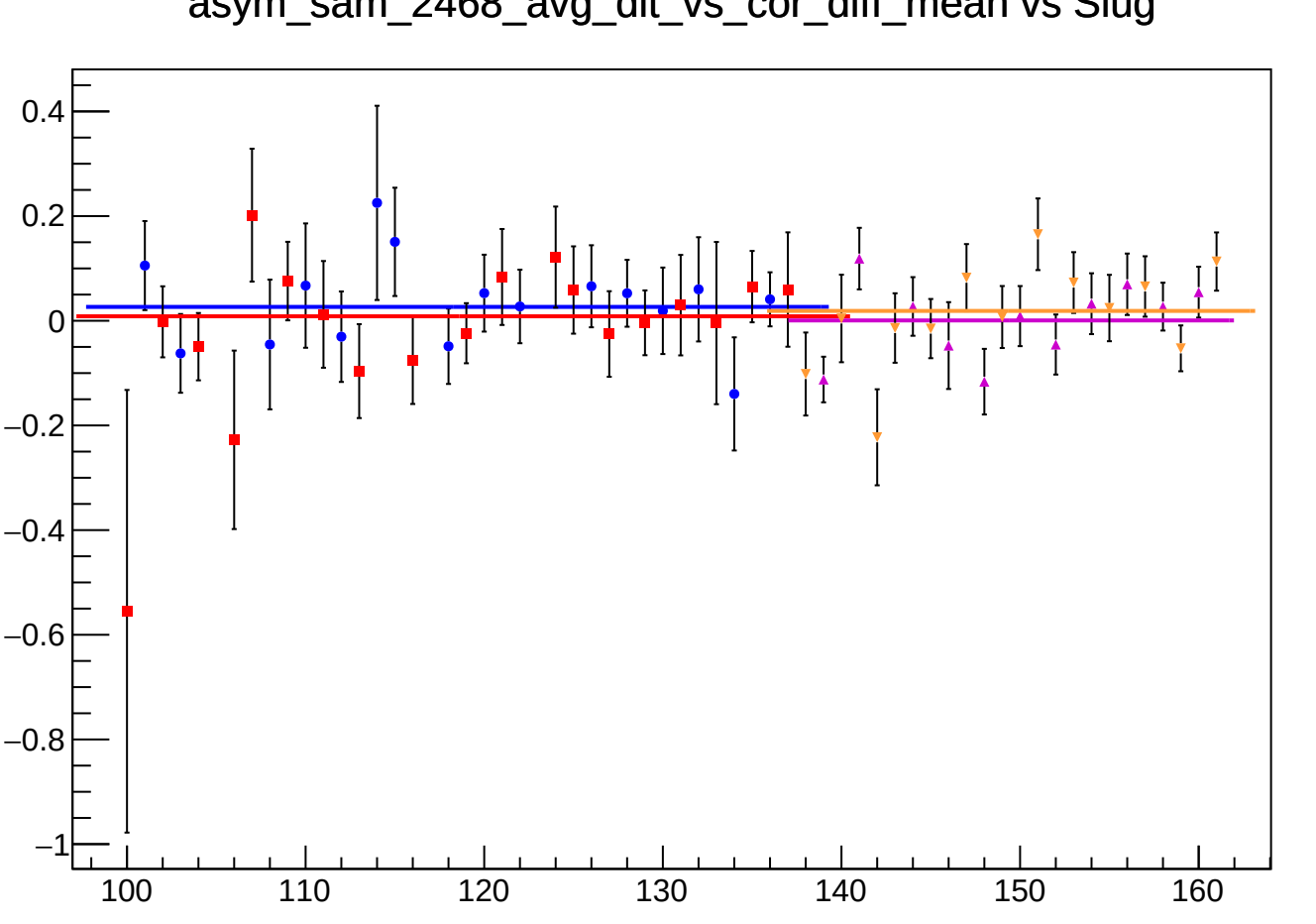
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1515636.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 4309361.9/28

All: 0.000+/-0.000 χ^2/NDF: 8956610.2/58

- sign 0.000+/-0.000 χ^2/NDF: 4570725.0/29



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.019+/-0.017 χ^2/NDF:22.5/12

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

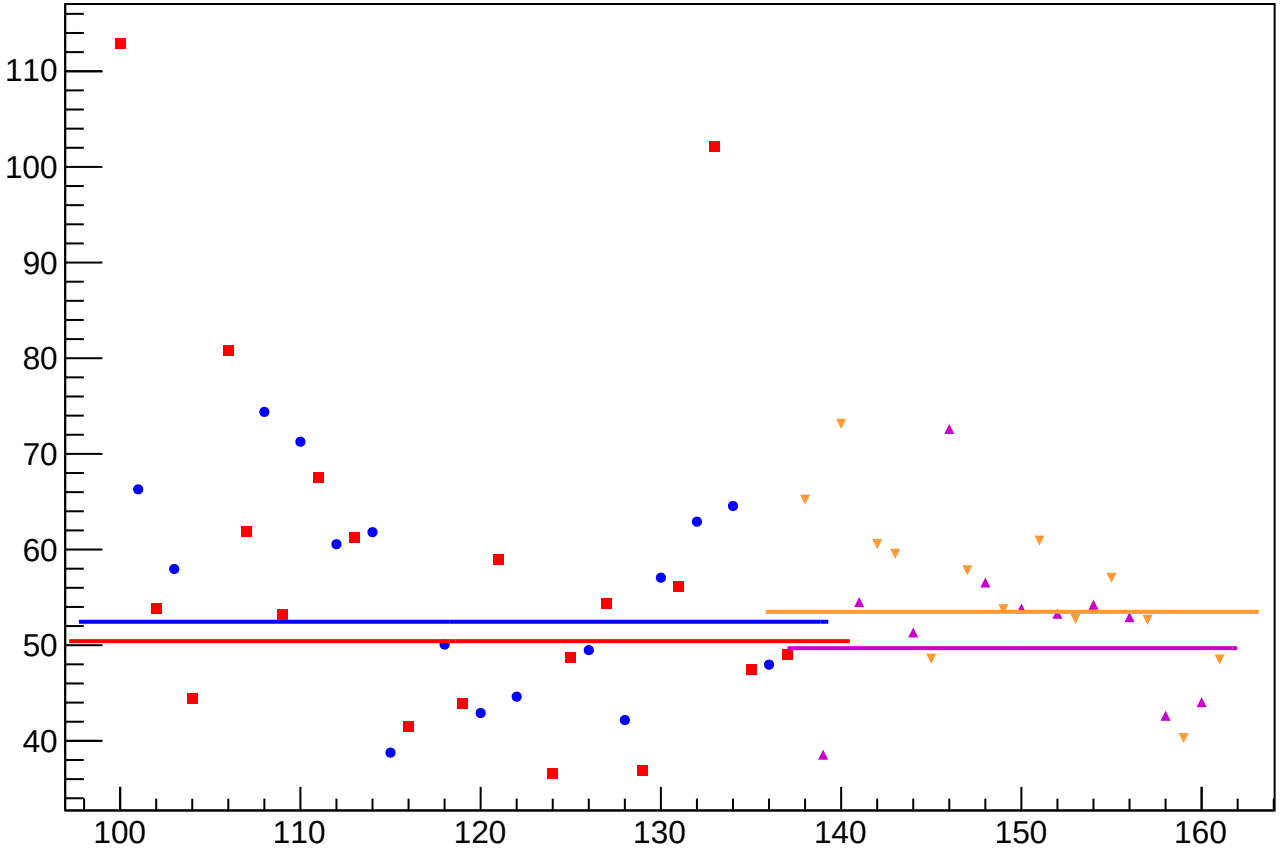
Left In: 0.001+/-0.017 χ^2/NDF:18.7/10

+ sign 0.022+/-0.013 χ^2/NDF: 32.5/28

All: 0.013+/-0.009 χ^2/NDF: 66.3/58

- sign 0.004+/-0.013 χ^2/NDF: 32.8/29

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.487+/-0.012 χ^2/NDF:435403.4/12

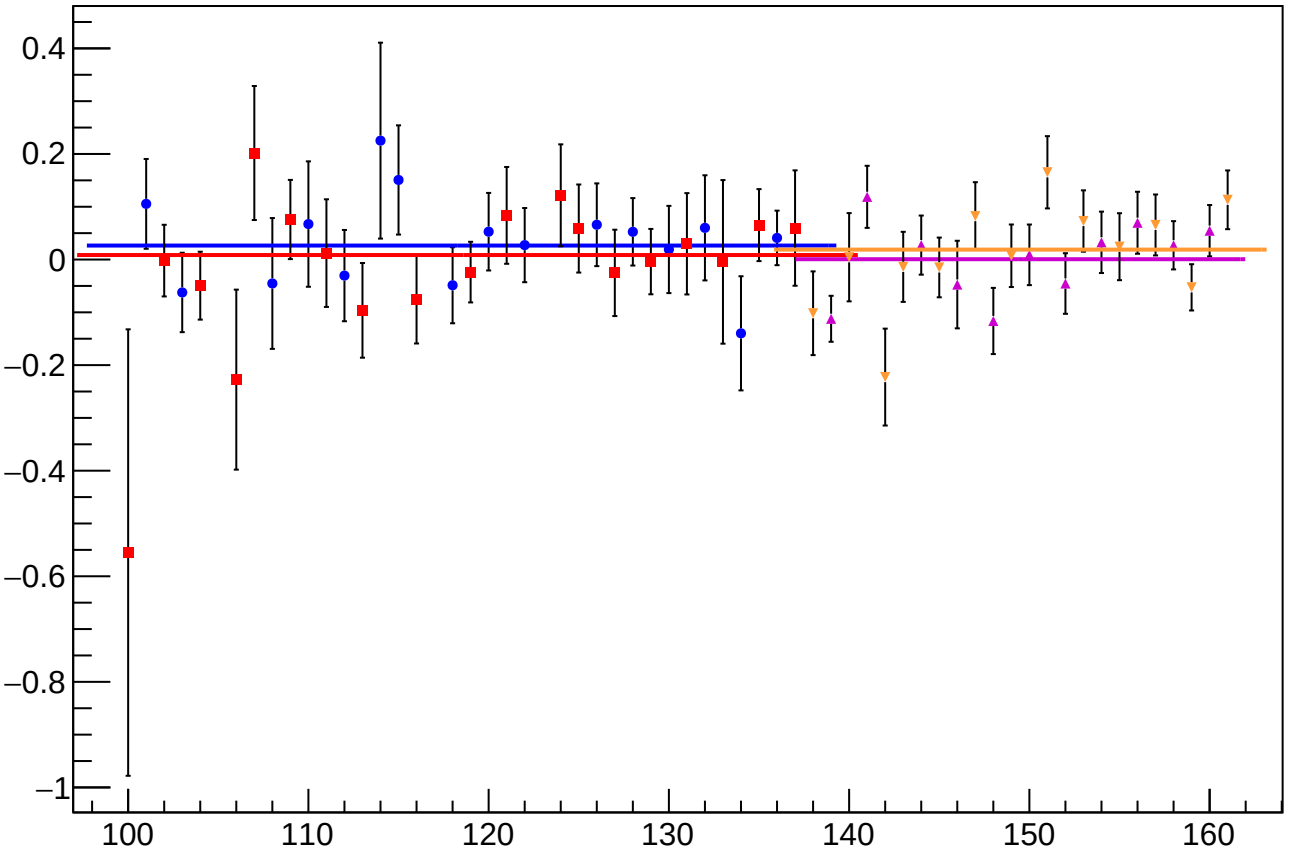
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 49.690+/-0.012 χ^2/NDF:433981.1/10

+ sign 53.057+/-0.009 χ^2/NDF: 856435.1/28

All: 51.468+/-0.006 χ^2/NDF: 2025122.0/58

- sign 49.998+/-0.009 χ^2/NDF: 1112368.5/29



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.019+/-0.017 χ^2/NDF:22.5/12

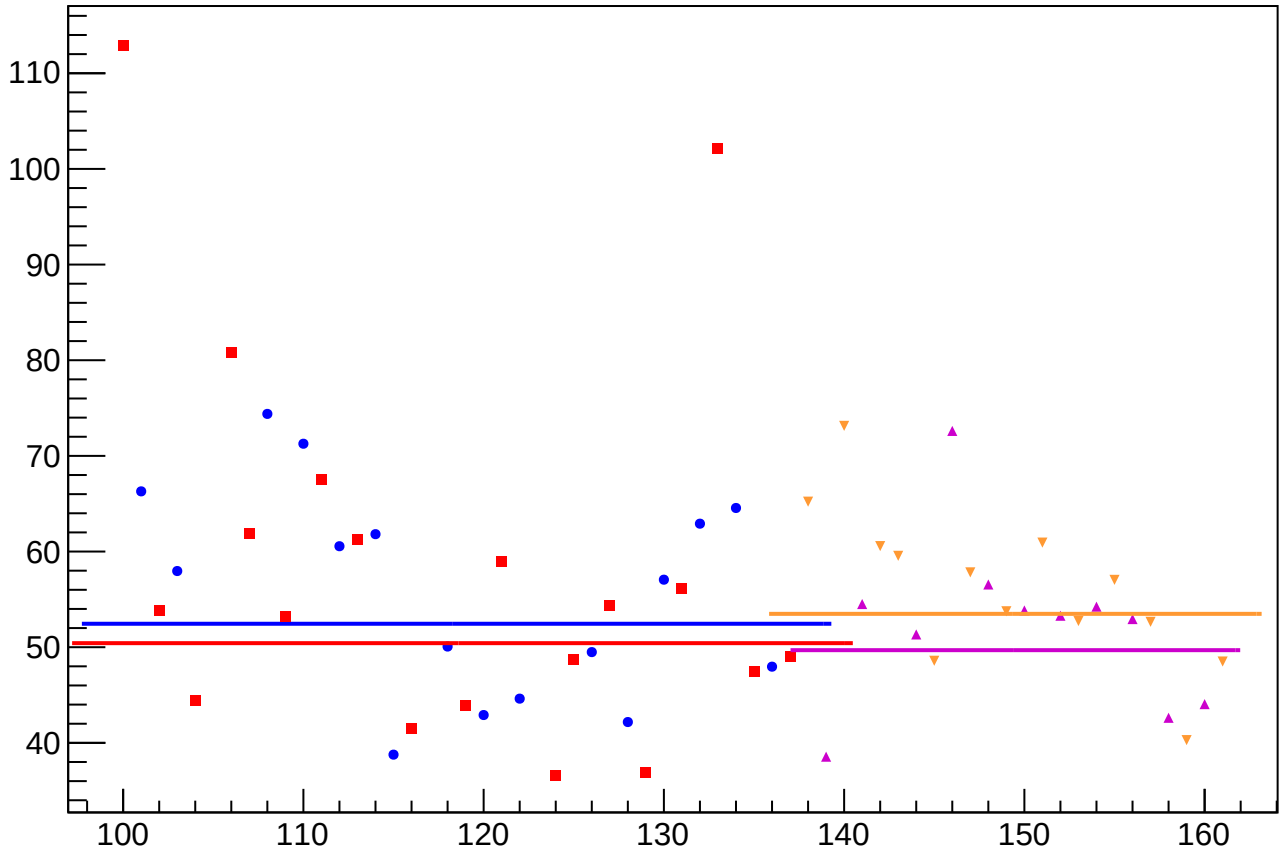
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.001+/-0.017 χ^2/NDF:18.7/10

+ sign 0.022+/-0.013 χ^2/NDF: 32.5/28

All: 0.013+/-0.009 χ^2/NDF: 66.3/58

- sign 0.004+/-0.013 χ^2/NDF: 32.8/29



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.487+/-0.012 χ^2/NDF:435403.4/12

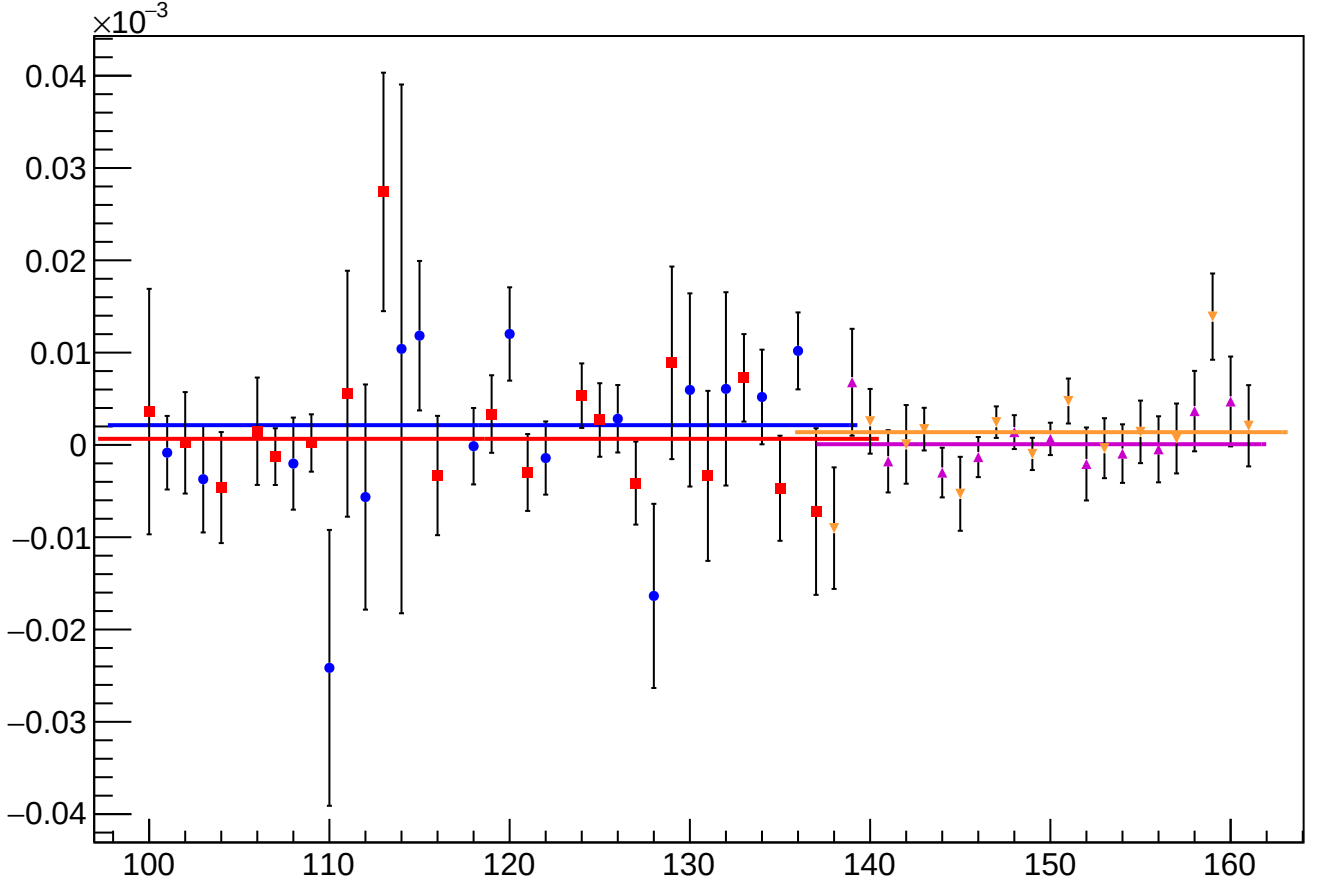
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 49.690+/-0.012 χ^2/NDF:433981.1/10

+ sign 53.057+/-0.009 χ^2/NDF: 856435.1/28

All: 51.468+/-0.006 χ^2/NDF: 2025122.0/58

- sign 49.998+/-0.009 χ^2/NDF: 1112368.5/29



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/12

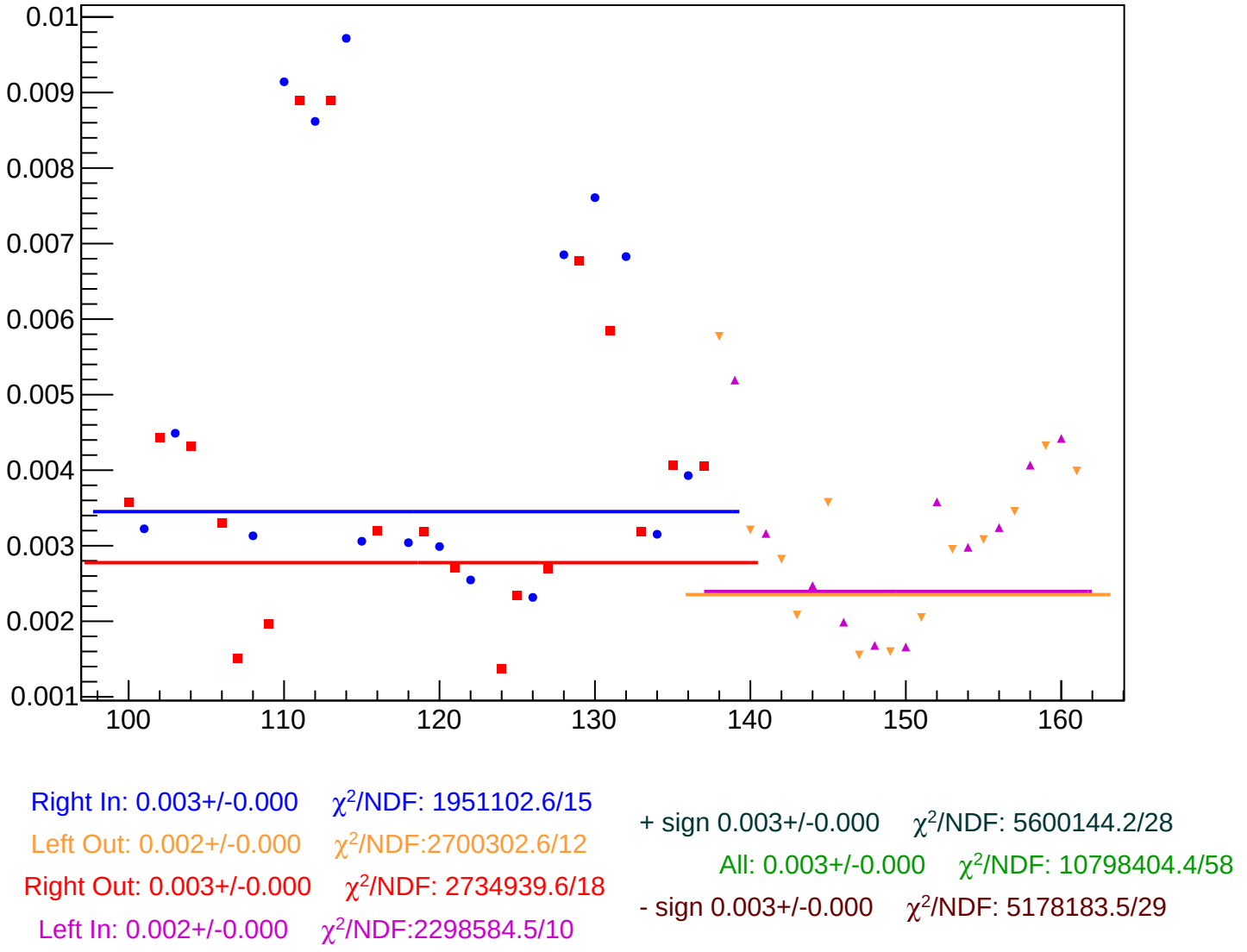
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

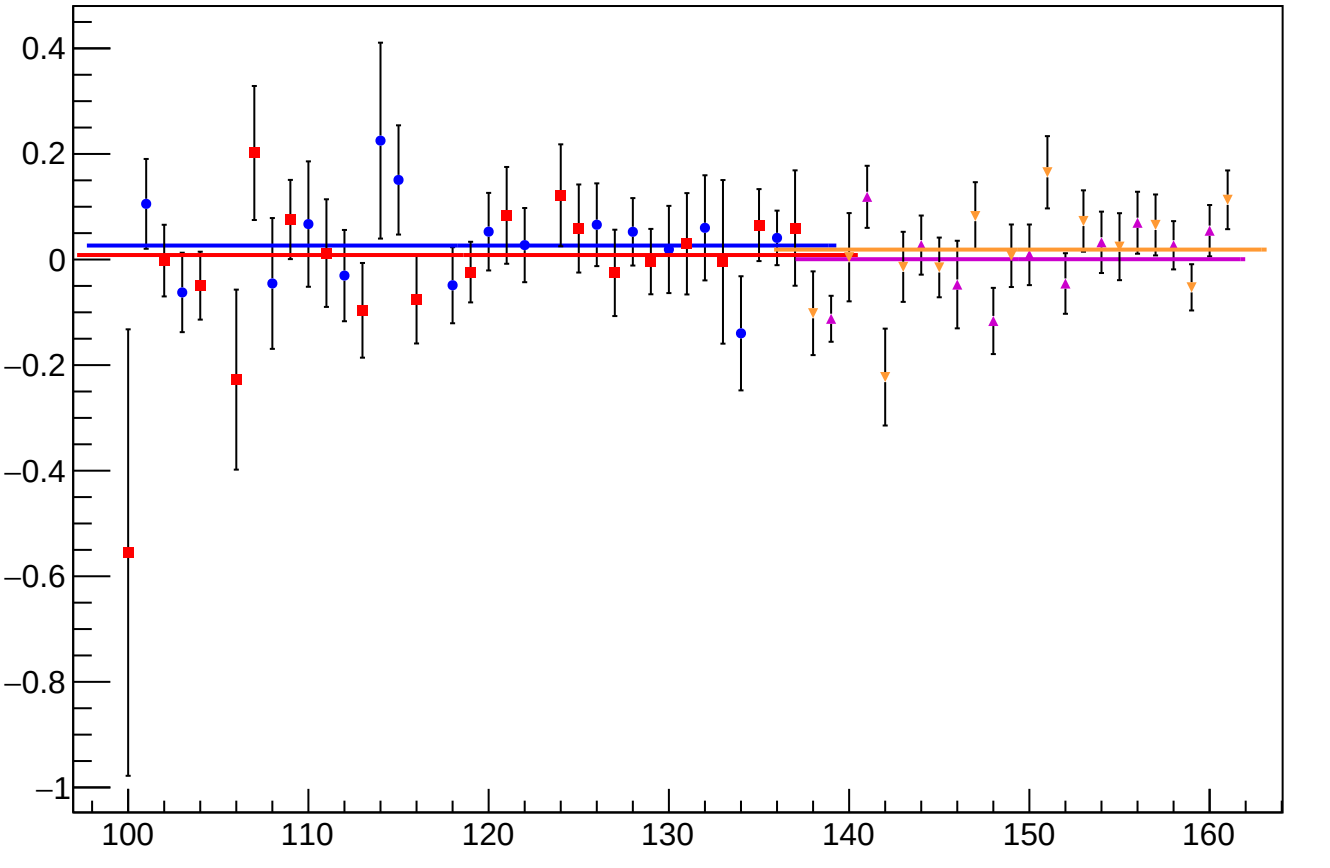
Left In: 0.000+/-0.000 χ^2/NDF:6.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 37.5/28

All: 0.000+/-0.000 χ^2/NDF: 60.2/58

- sign 0.000+/-0.000 χ^2/NDF: 21.0/29


asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 1951102.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2700302.6/12
Right Out: 0.003+/-0.000 χ²/NDF: 2734939.6/18
Left In: 0.002+/-0.000 χ²/NDF:2298584.5/10
+ sign 0.003+/-0.000 χ²/NDF: 5600144.2/28
All: 0.003+/-0.000 χ²/NDF: 10798404.4/58
- sign 0.003+/-0.000 χ²/NDF: 5178183.5/29



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.019+/-0.017 χ^2/NDF:22.5/12

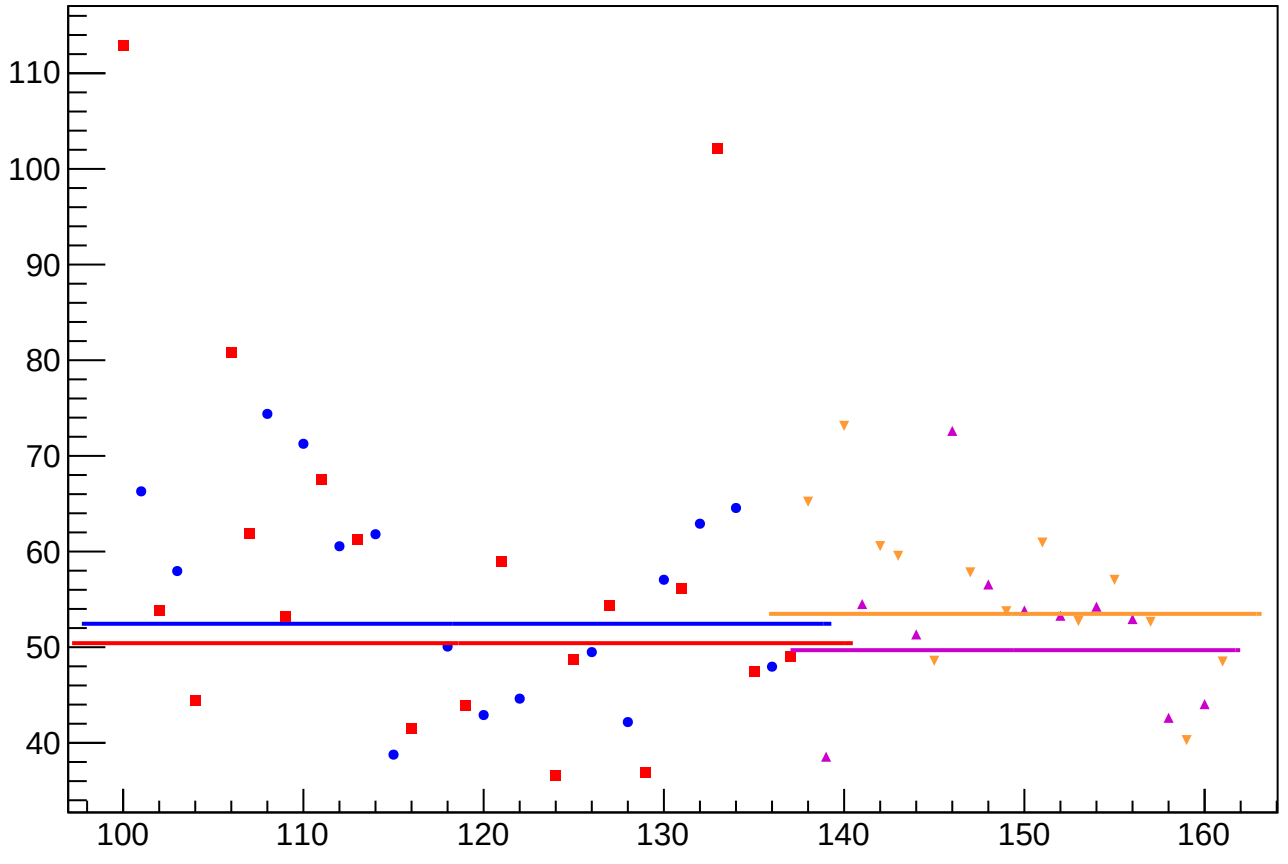
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.001+/-0.017 χ^2/NDF:18.7/10

+ sign 0.022+/-0.013 χ^2/NDF: 32.5/28

All: 0.013+/-0.009 χ^2/NDF: 66.3/58

- sign 0.004+/-0.013 χ^2/NDF: 32.8/29



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.487+/-0.012 χ^2/NDF:435421.4/12

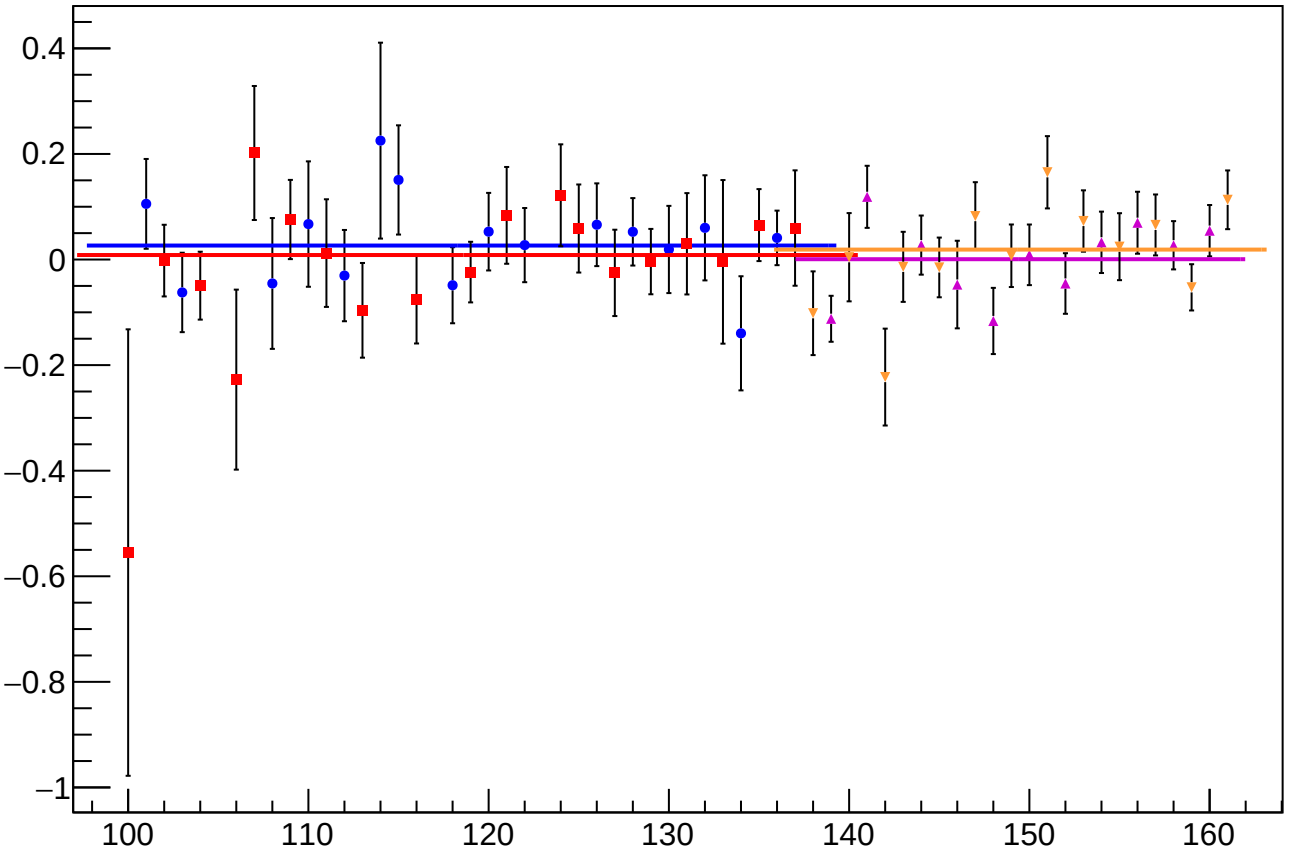
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 49.690+/-0.012 χ^2/NDF:434051.8/10

+ sign 53.057+/-0.009 χ^2/NDF: 856414.8/28

All: 51.467+/-0.006 χ^2/NDF: 2025179.4/58

- sign 49.998+/-0.009 χ^2/NDF: 1112440.4/29



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.019+/-0.017 χ^2/NDF:22.5/12

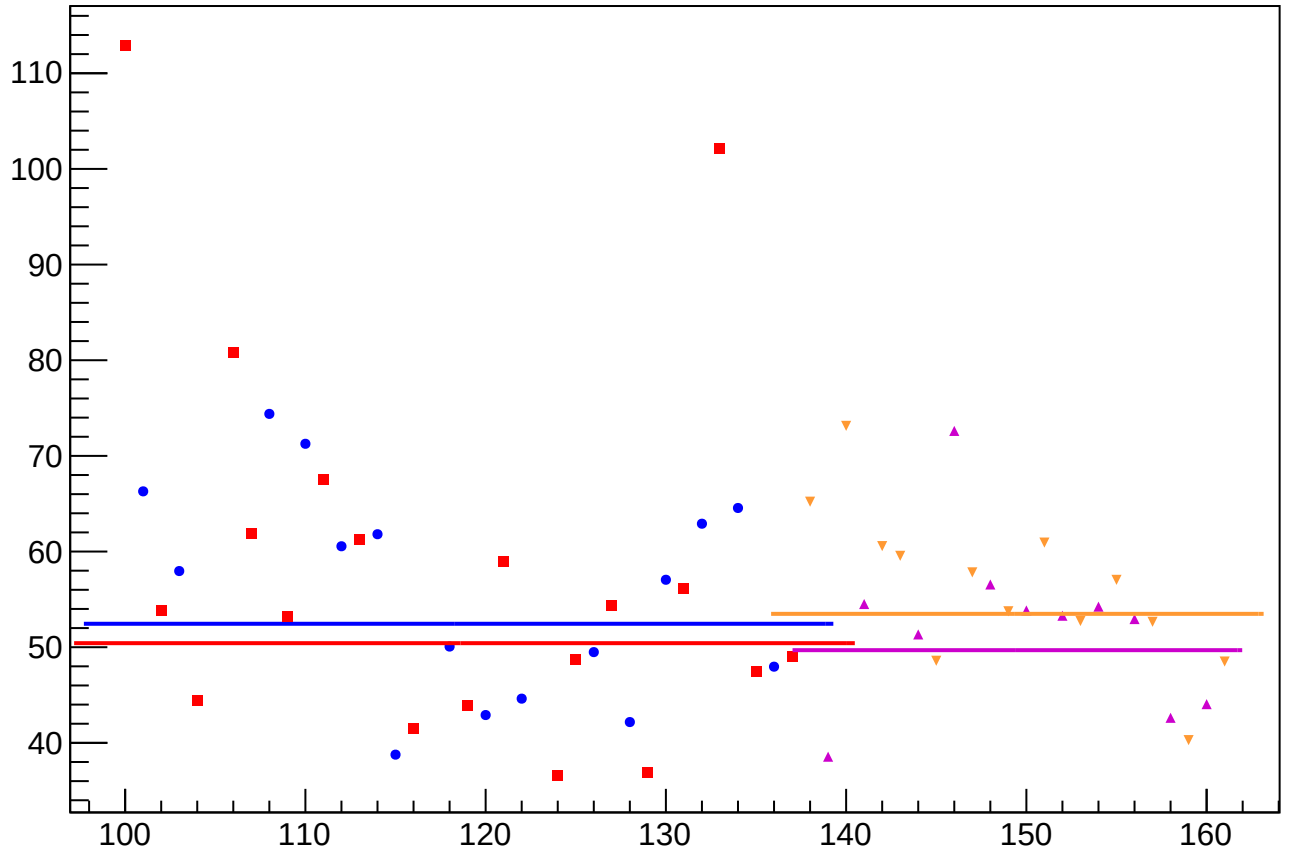
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.001+/-0.017 χ^2/NDF:18.7/10

+ sign 0.022+/-0.013 χ^2/NDF: 32.5/28

All: 0.013+/-0.009 χ^2/NDF: 66.3/58

- sign 0.004+/-0.013 χ^2/NDF: 32.8/29



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.487+/-0.012 χ^2/NDF:435421.4/12

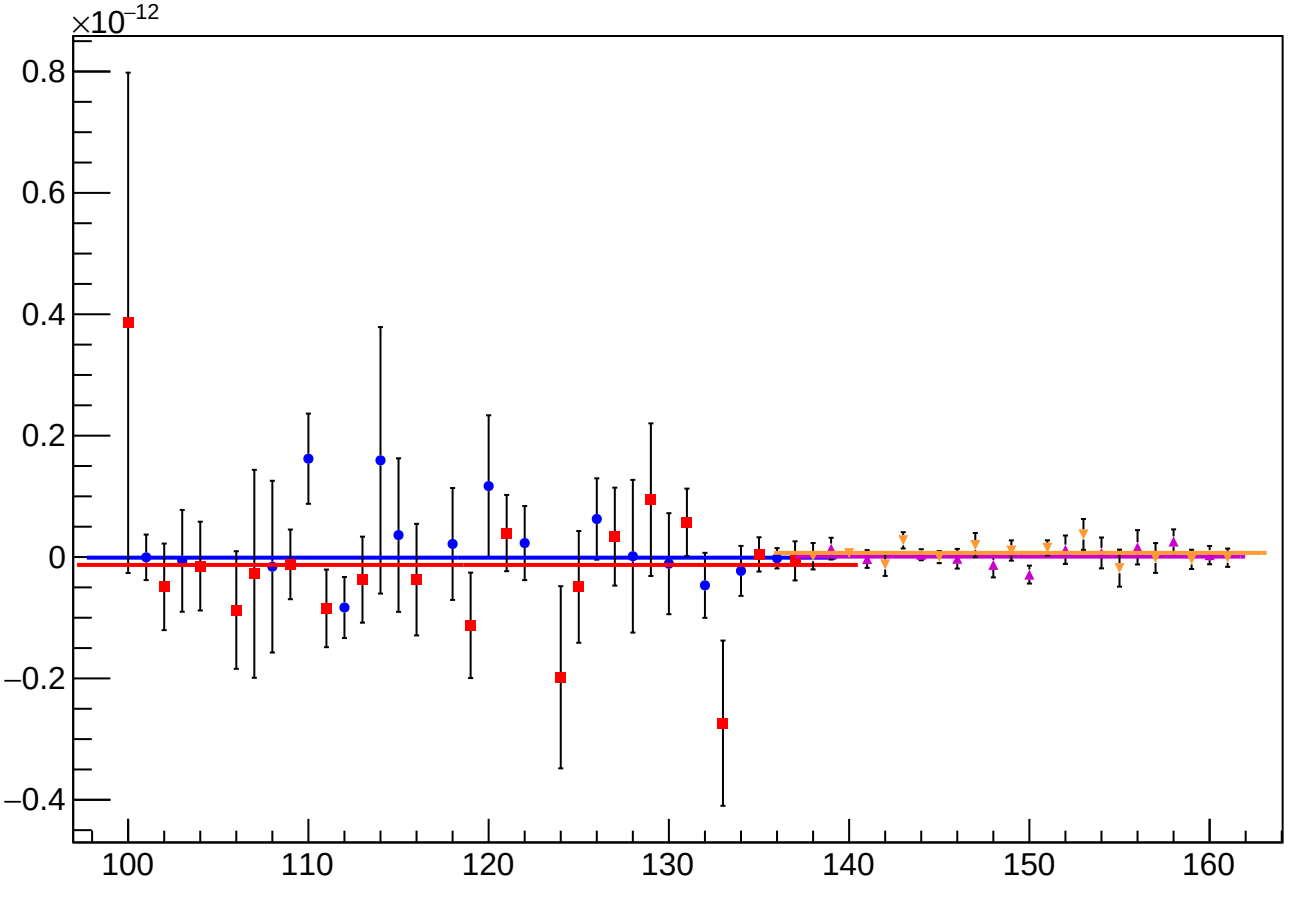
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 49.690+/-0.012 χ^2/NDF:434051.8/10

+ sign 53.057+/-0.009 χ^2/NDF: 856414.8/28

All: 51.467+/-0.006 χ^2/NDF: 2025179.4/58

- sign 49.998+/-0.009 χ^2/NDF: 1112440.4/29



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/12

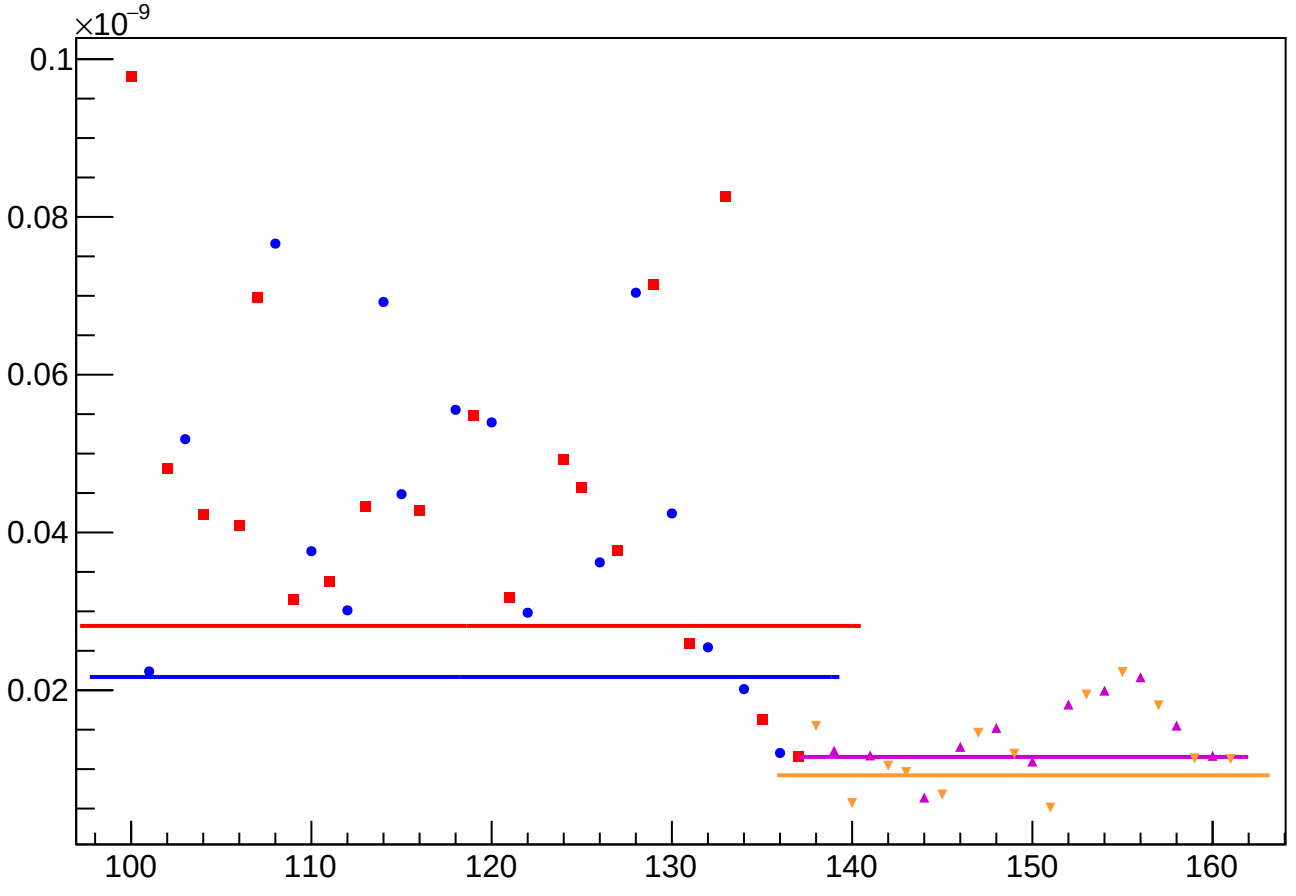
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 19.5/28

All: 0.000+/-0.000 χ^2/NDF: 42.6/58

- sign -0.000+/-0.000 χ^2/NDF: 21.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2110774.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

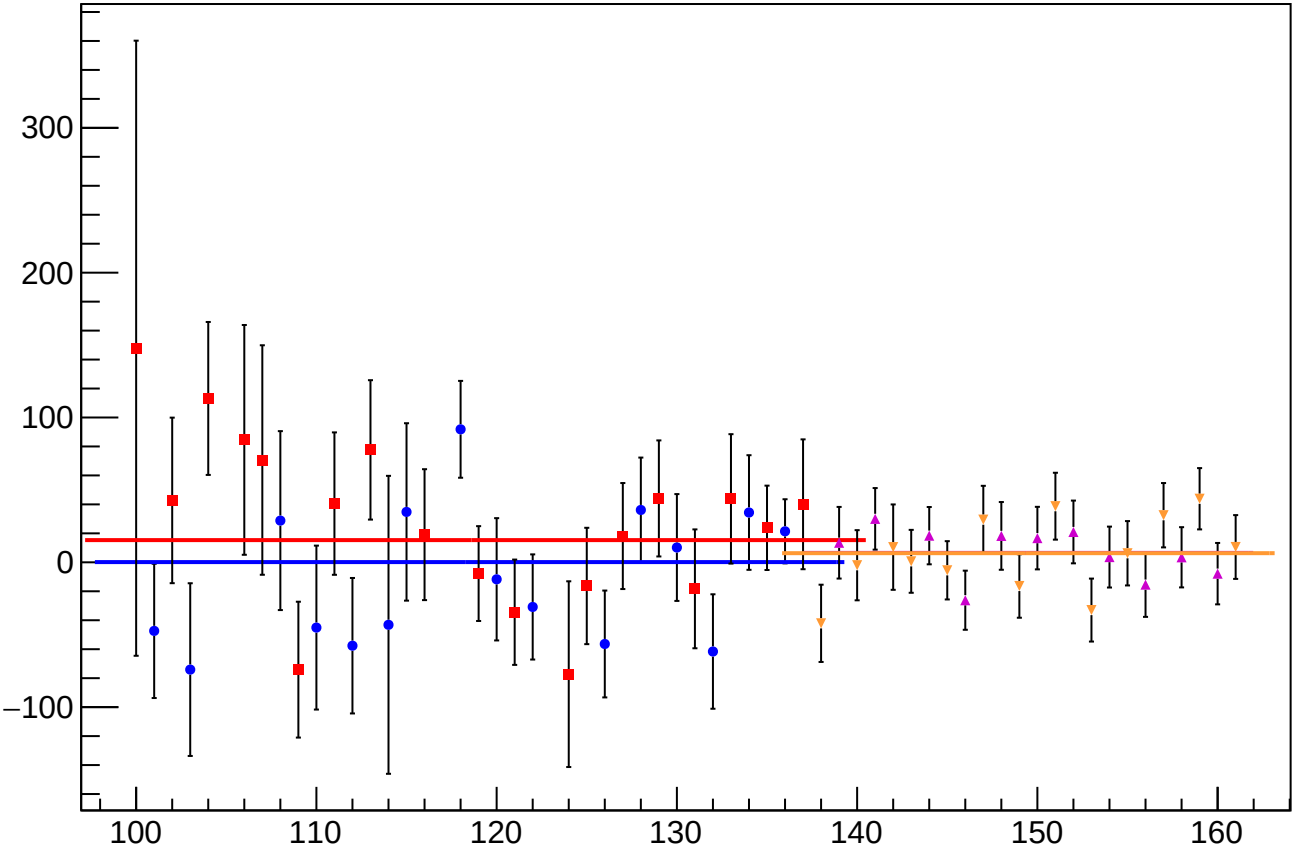
Left In: 0.000+/-0.000 χ^2/NDF:1440259.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 6573186.9/28

All: 0.000+/-0.000 χ^2/NDF: 13163757.4/58

- sign 0.000+/-0.000 χ^2/NDF: 6178495.2/29

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.311+/-6.312 χ^2/NDF:15.7/12

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

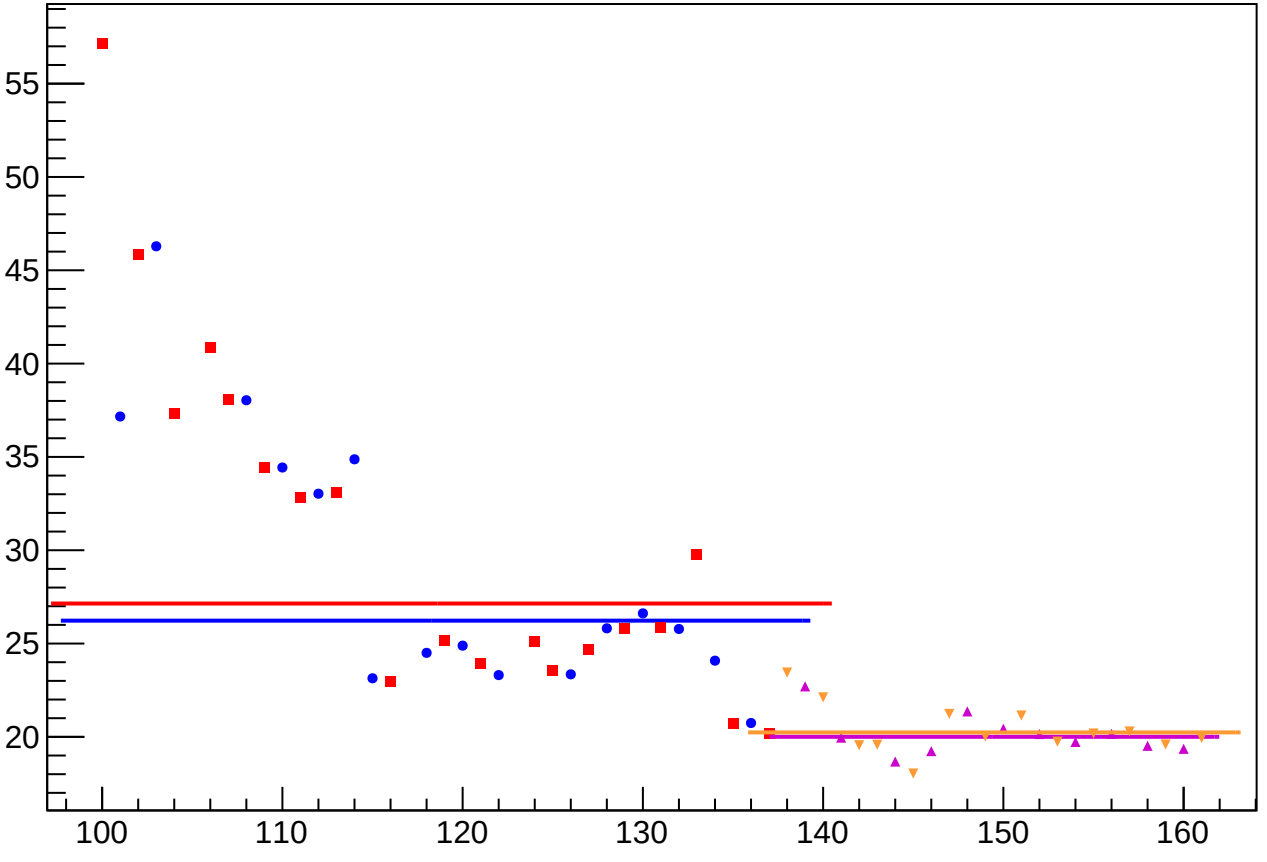
Left In: 6.502+/-6.493 χ^2/NDF:6.6/10

+ sign 4.569+/-5.345 χ^2/NDF: 37.3/28

All: 6.738+/-3.829 χ^2/NDF: 62.7/58

- sign 9.025+/-5.488 χ^2/NDF: 25.1/29

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.239+/-0.004 χ^2/NDF:78002.2/12

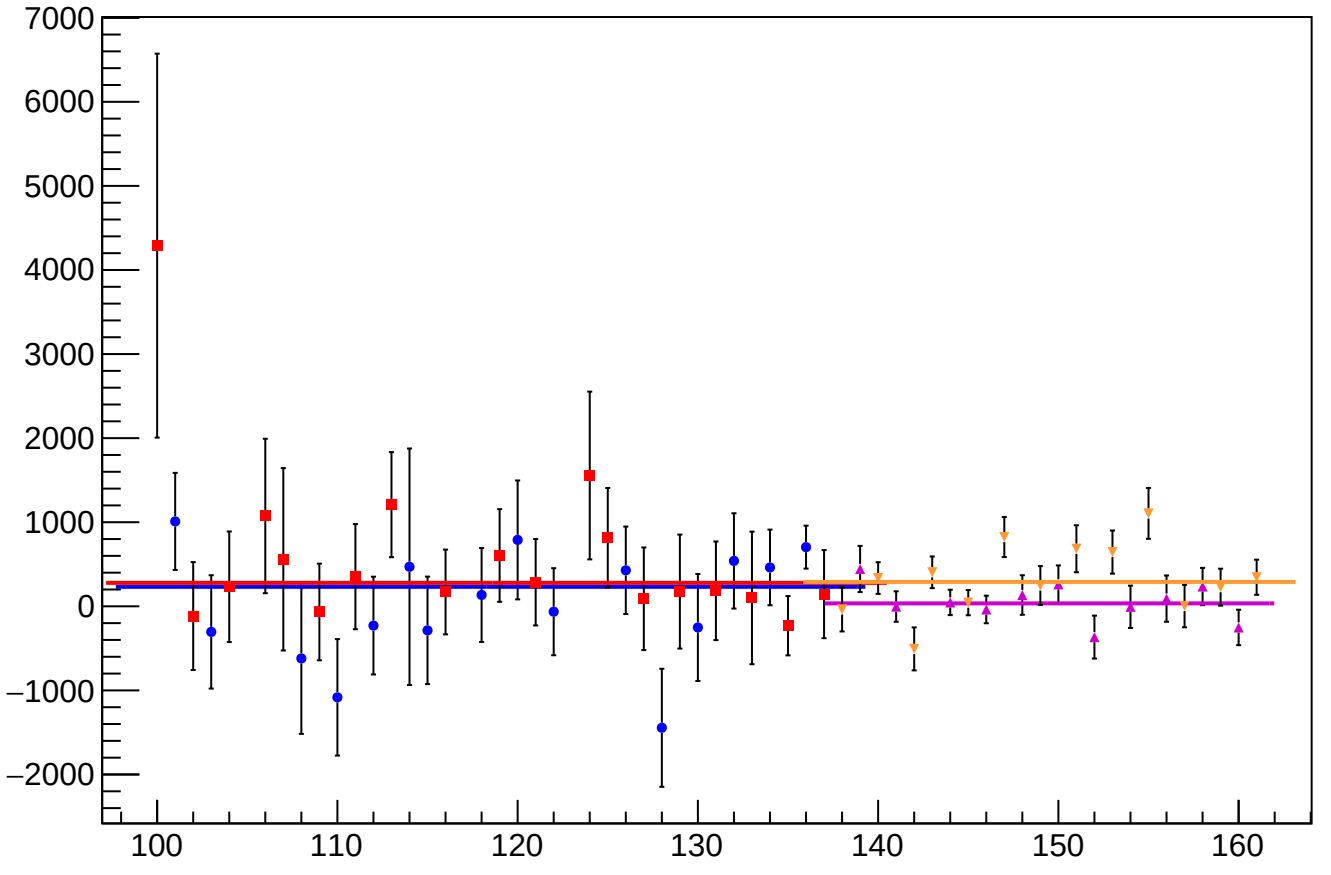
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.003+/-0.005 χ^2/NDF:46729.9/10

+ sign 21.933+/-0.004 χ^2/NDF: 1263376.3/28

All: 21.987+/-0.003 χ^2/NDF: 2757343.9/58

- sign 22.043+/-0.004 χ^2/NDF: 1493553.8/29



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 290.063+/-61.382 χ^2/NDF:32.1/12

Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

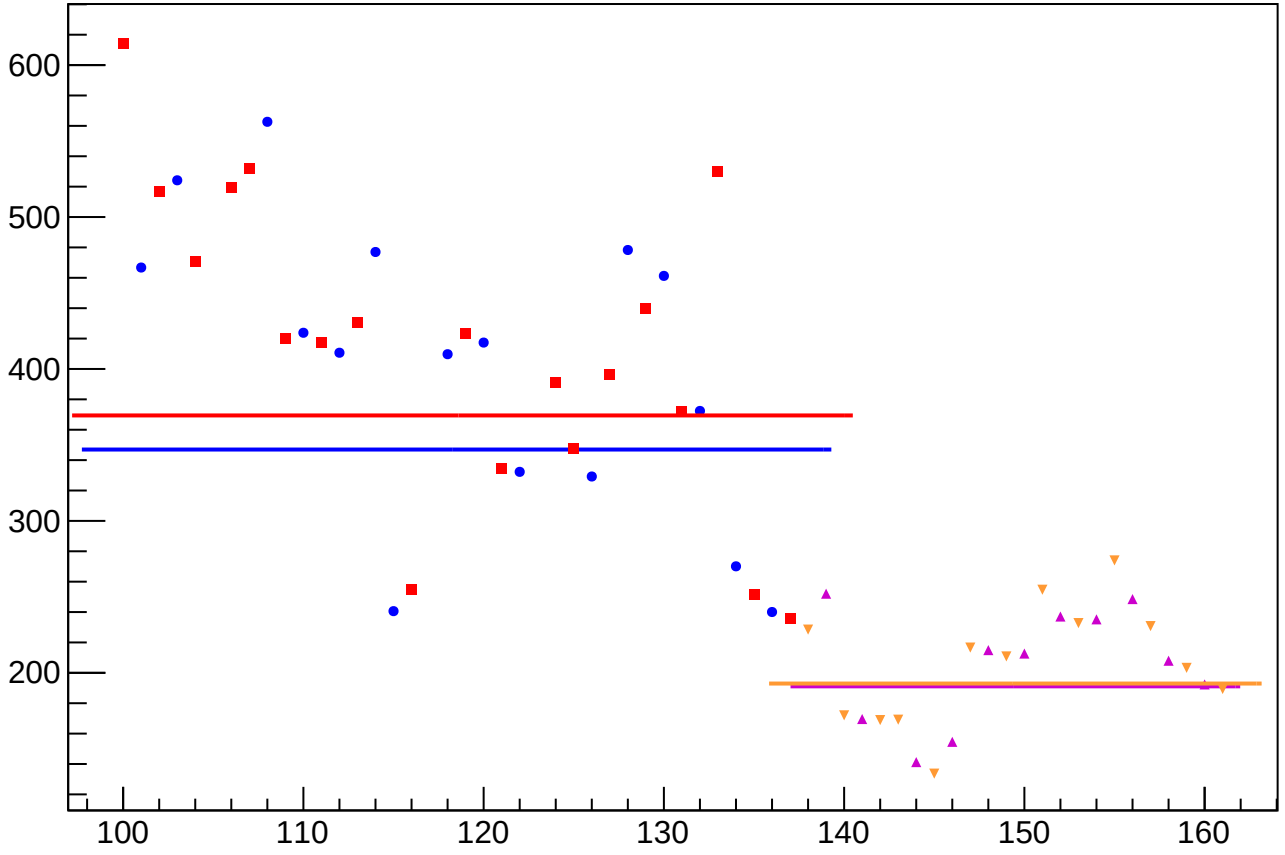
Left In: 34.749+/-63.260 χ^2/NDF:8.9/10

+ sign 280.116+/-55.868 χ^2/NDF: 51.9/28

All: 181.345+/-40.119 χ^2/NDF: 81.8/58

- sign 76.188+/-57.646 χ^2/NDF: 23.5/29

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 192.947+/-0.043 χ^2/NDF:795153.7/12

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

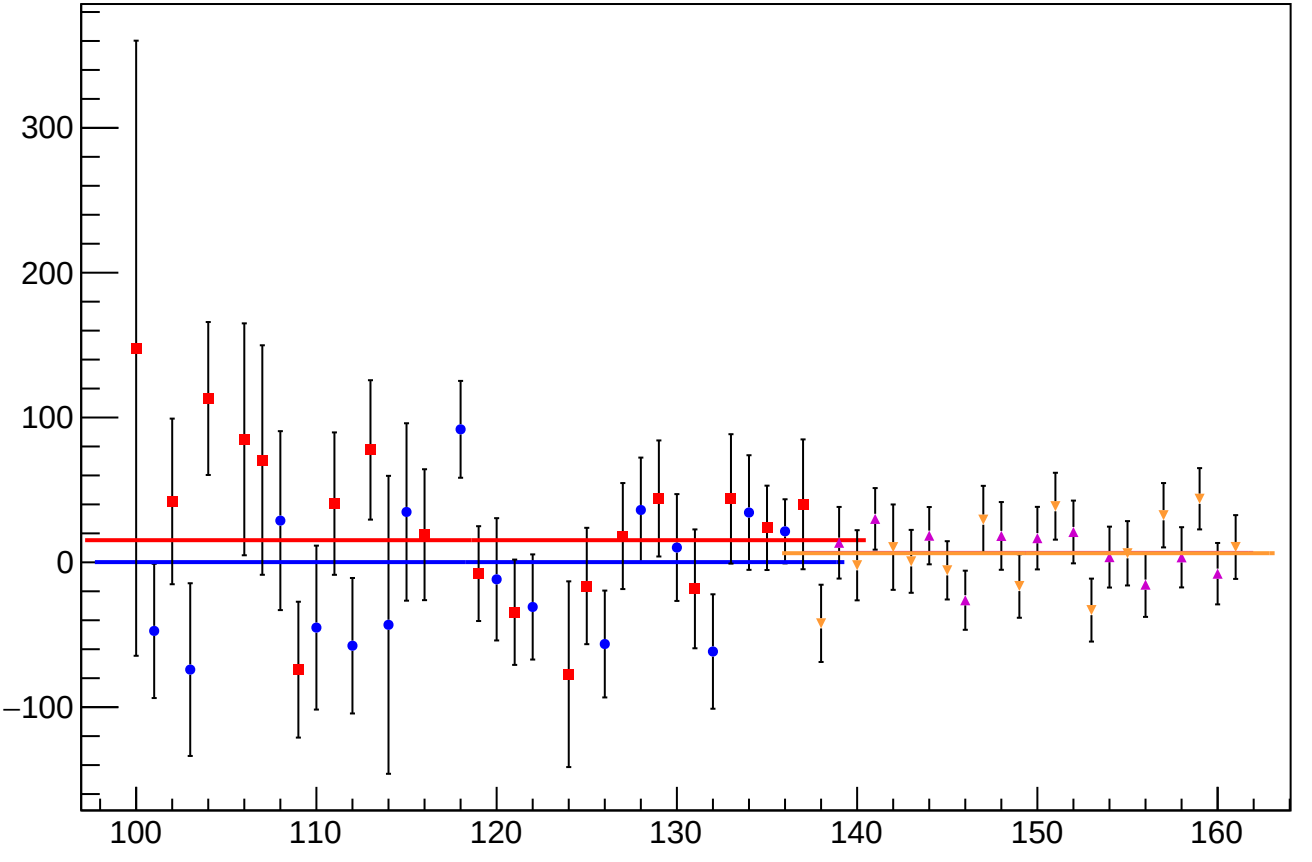
Left In: 191.104+/-0.045 χ^2/NDF:708322.7/10

+ sign 219.376+/-0.040 χ^2/NDF: 4013928.8/28

All: 220.332+/-0.028 χ^2/NDF: 8337543.8/58

- sign 221.350+/-0.041 χ^2/NDF: 4322405.8/29

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.310+/-6.312 χ^2/NDF:15.7/12

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

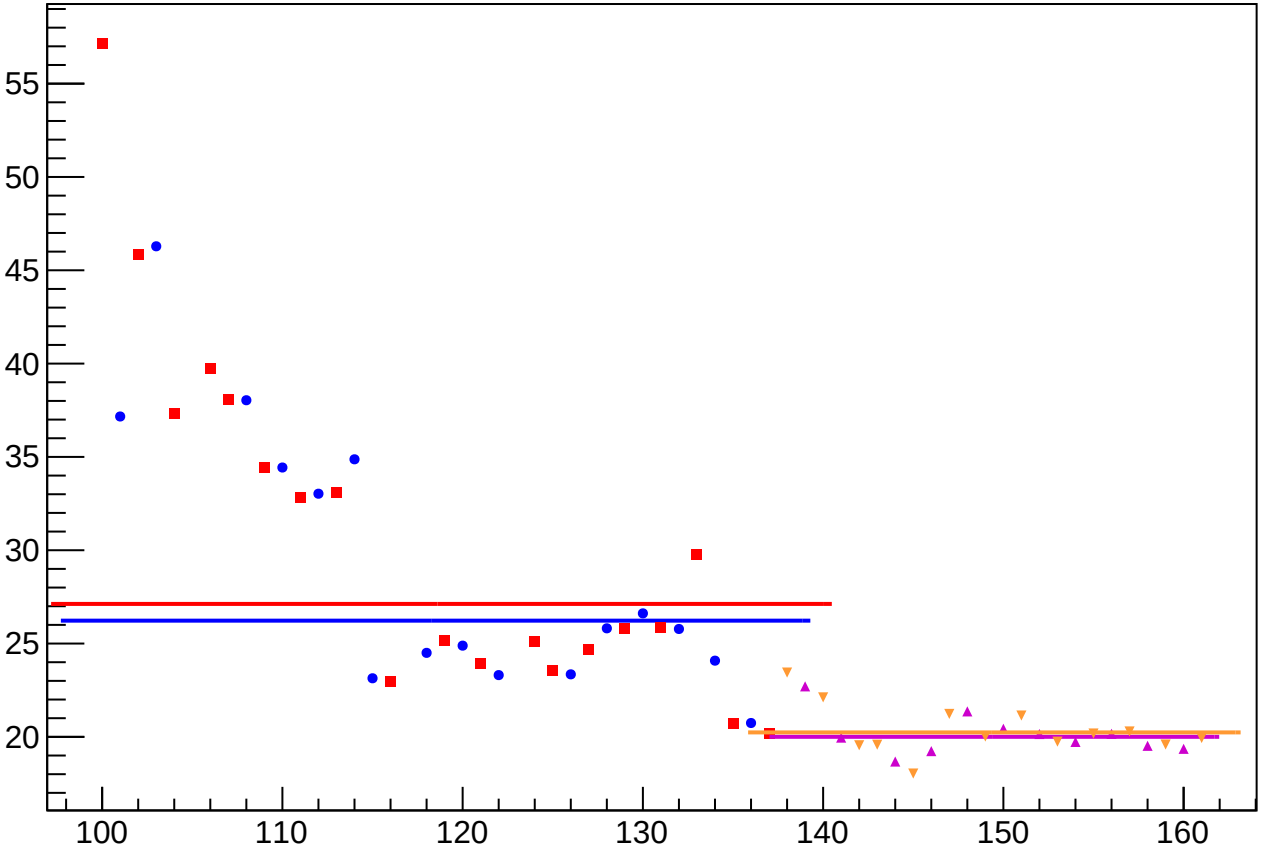
Left In: 6.503+/-6.493 χ^2/NDF:6.6/10

+ sign 4.569+/-5.345 χ^2/NDF: 37.3/28

All: 6.732+/-3.829 χ^2/NDF: 62.7/58

- sign 9.013+/-5.488 χ^2/NDF: 25.1/29

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.239+/-0.004 χ^2/NDF:78002.2/12

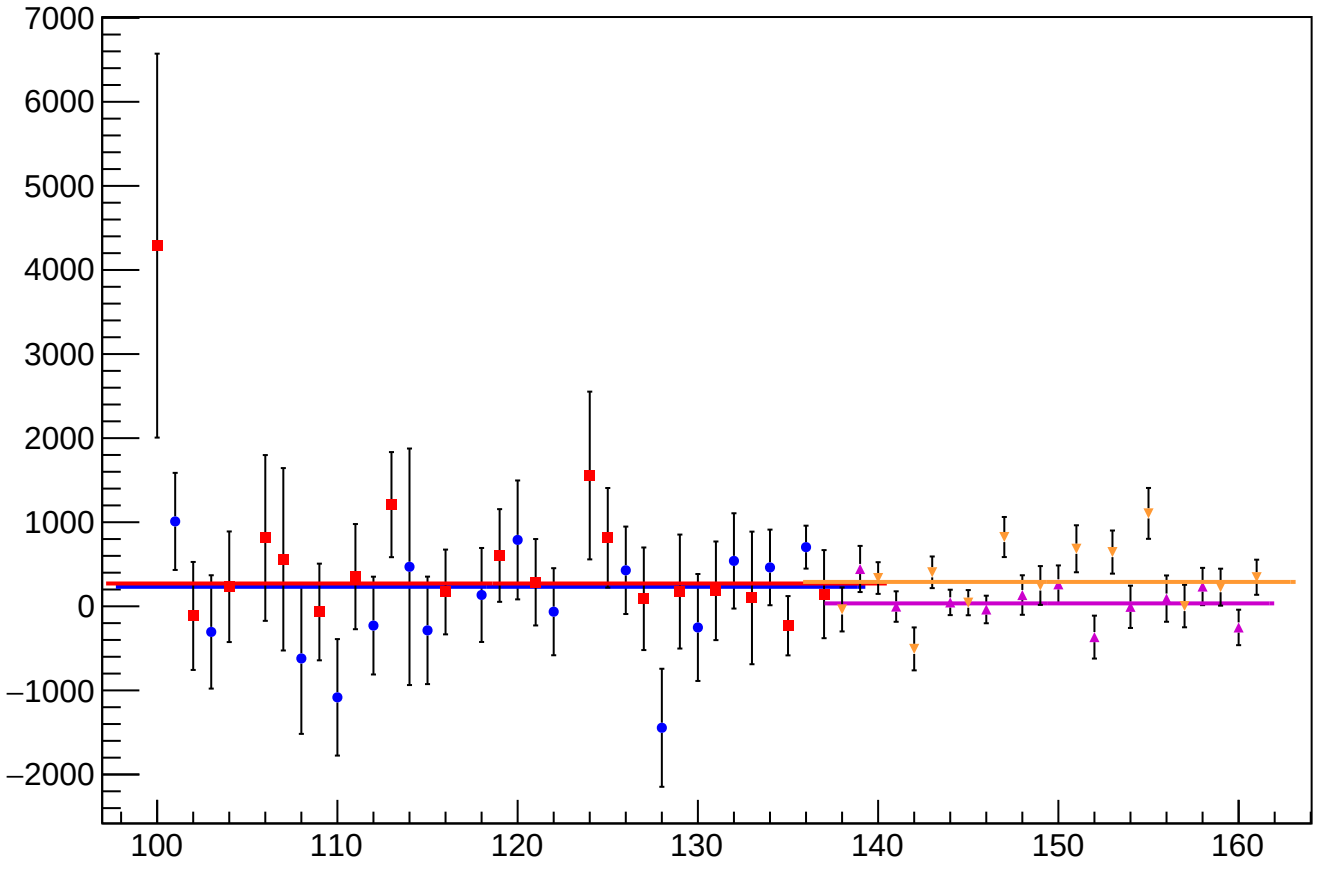
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.003+/-0.005 χ^2/NDF:46729.9/10

+ sign 21.933+/-0.004 χ^2/NDF: 1263379.7/28

All: 21.984+/-0.003 χ^2/NDF: 2743154.6/58

- sign 22.037+/-0.004 χ^2/NDF: 1479410.3/29



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 290.062+/-61.382 χ^2/NDF:32.1/12

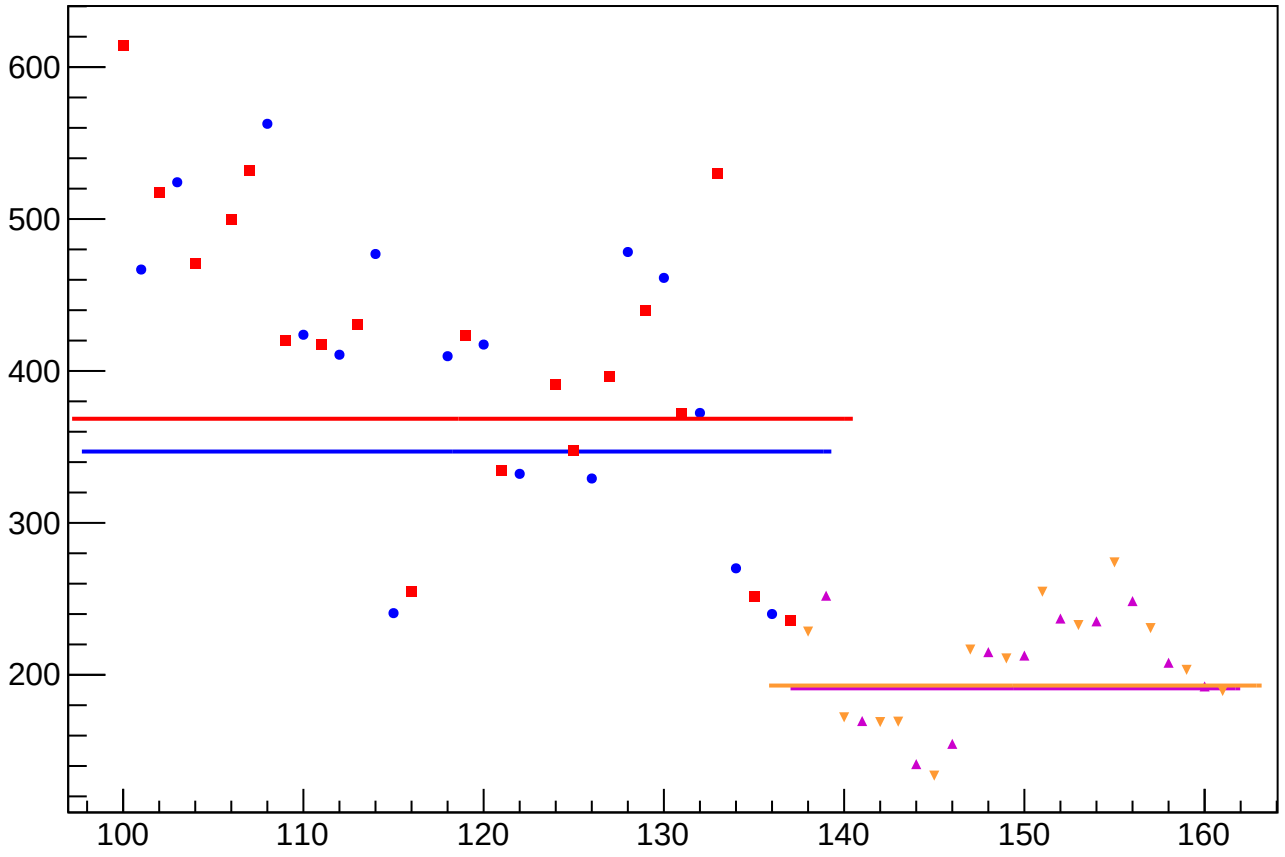
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 34.750+/-63.260 χ^2/NDF:8.9/10

\+ sign 280.114+/-55.868 χ^2/NDF: 51.9/28

All: 180.694+/-40.124 χ^2/NDF: 81.3/58

\- sign 74.791+/-57.661 χ^2/NDF: 22.9/29



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 192.947+/-0.043 χ^2/NDF:795157.0/12

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

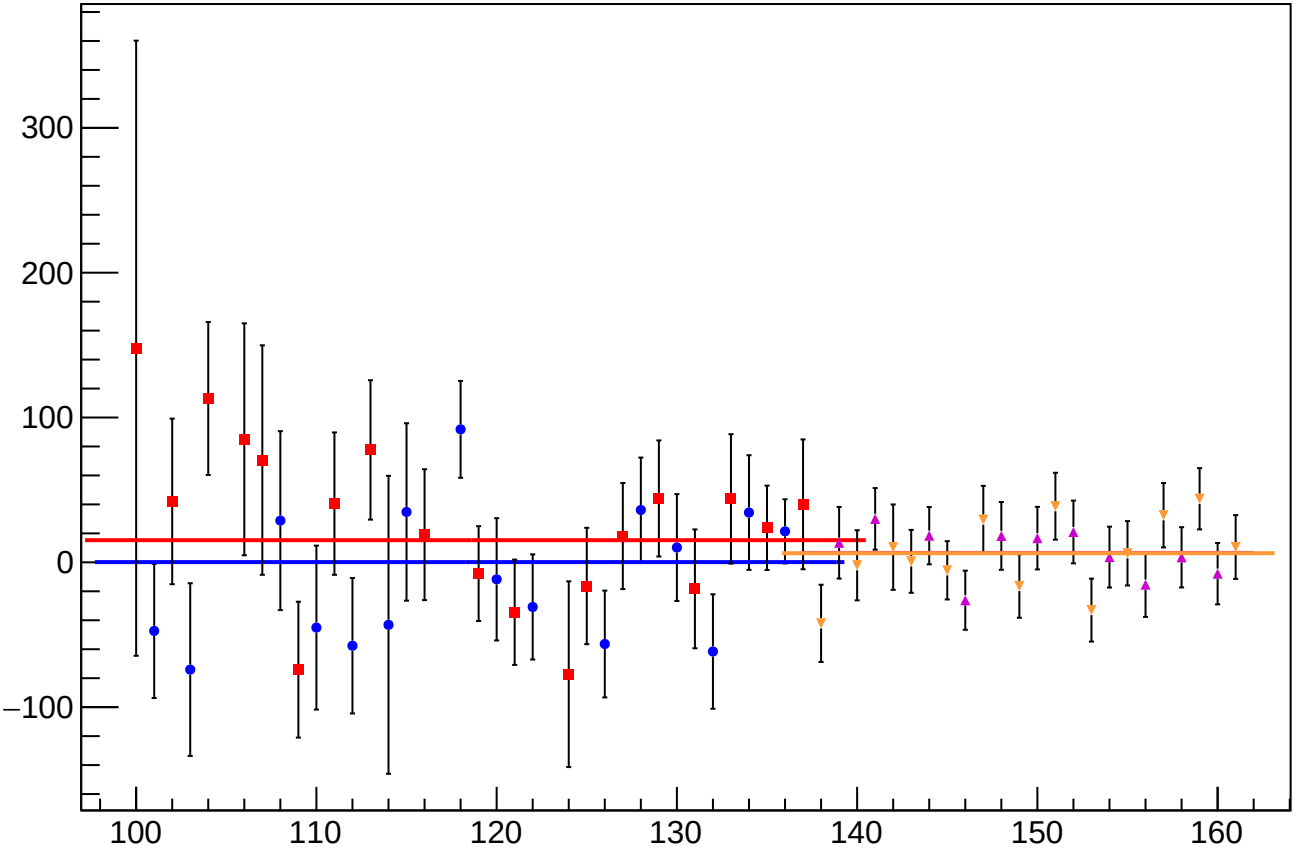
Left In: 191.104+/-0.045 χ^2/NDF:708320.6/10

+ sign 219.376+/-0.040 χ^2/NDF: 4013961.5/28

All: 220.223+/-0.028 χ^2/NDF: 8285654.0/58

- sign 221.125+/-0.041 χ^2/NDF: 4270742.8/29

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.310+/-6.312 χ^2/NDF:15.7/12

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

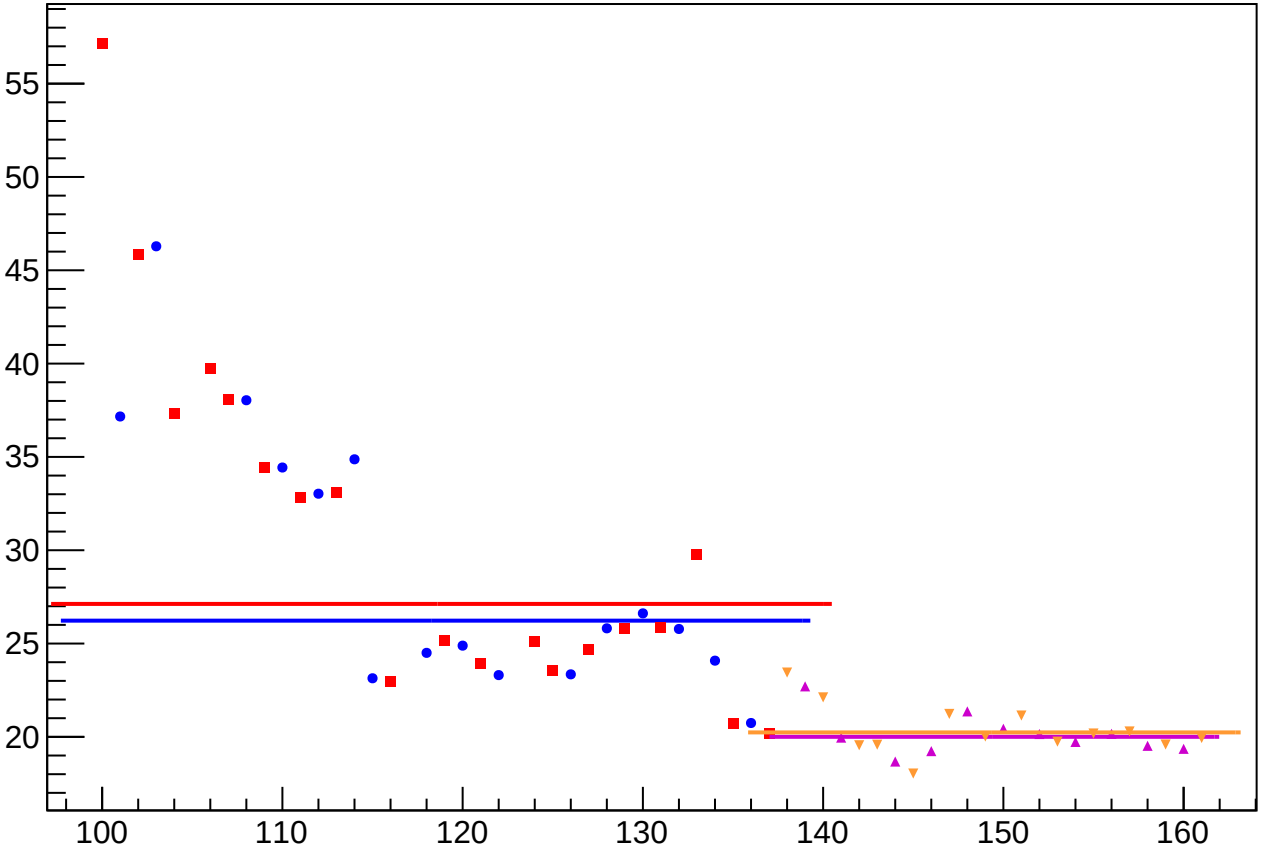
Left In: 6.503+/-6.493 χ^2/NDF:6.6/10

+ sign 4.569+/-5.345 χ^2/NDF: 37.3/28

All: 6.732+/-3.829 χ^2/NDF: 62.7/58

- sign 9.013+/-5.488 χ^2/NDF: 25.1/29

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.239+/-0.004 χ^2/NDF:78002.2/12

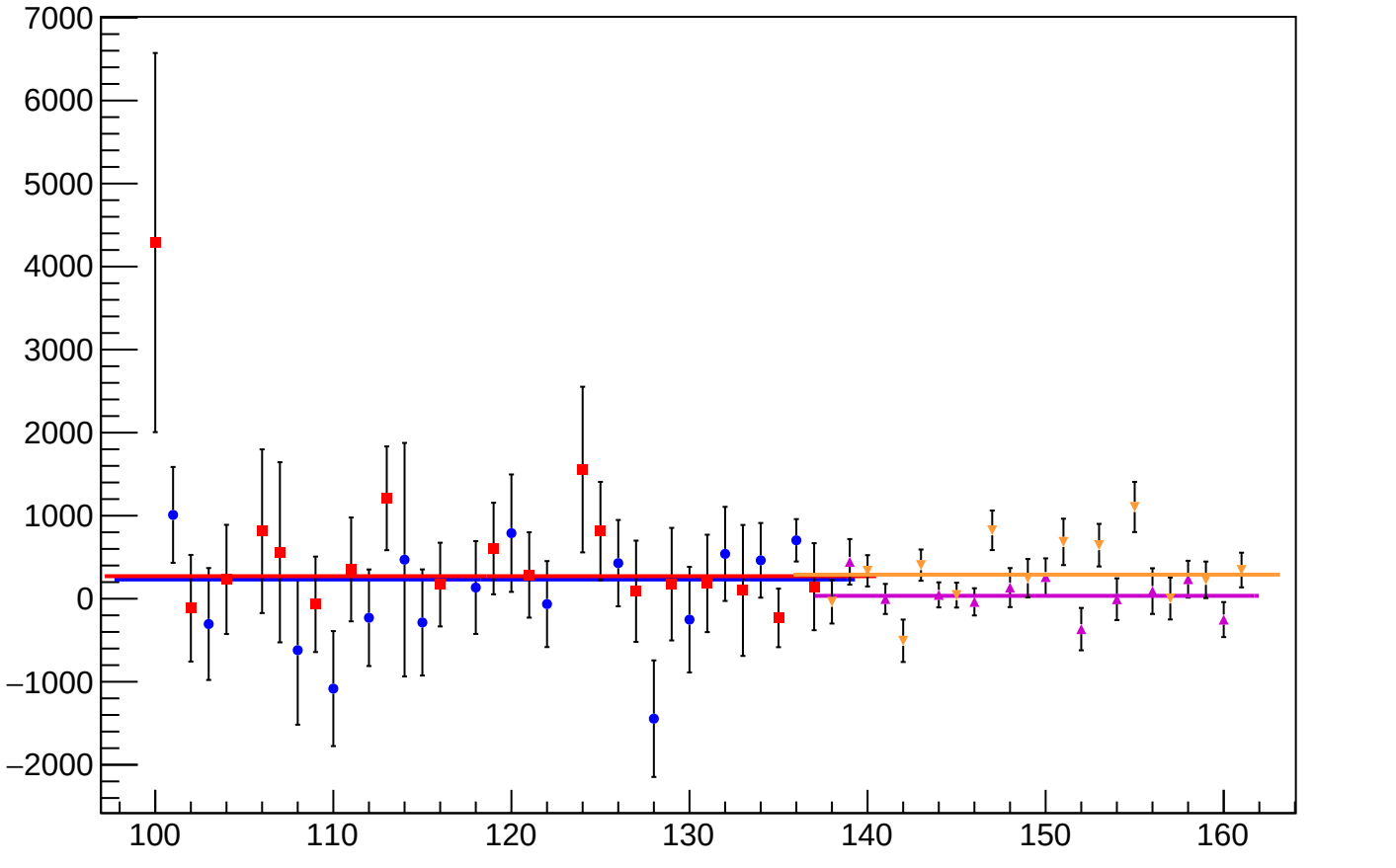
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.003+/-0.005 χ^2/NDF:46729.9/10

+ sign 21.933+/-0.004 χ^2/NDF: 1263379.7/28

All: 21.984+/-0.003 χ^2/NDF: 2743154.6/58

- sign 22.037+/-0.004 χ^2/NDF: 1479410.3/29



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 290.062+/-61.382 χ^2/NDF:32.1/12

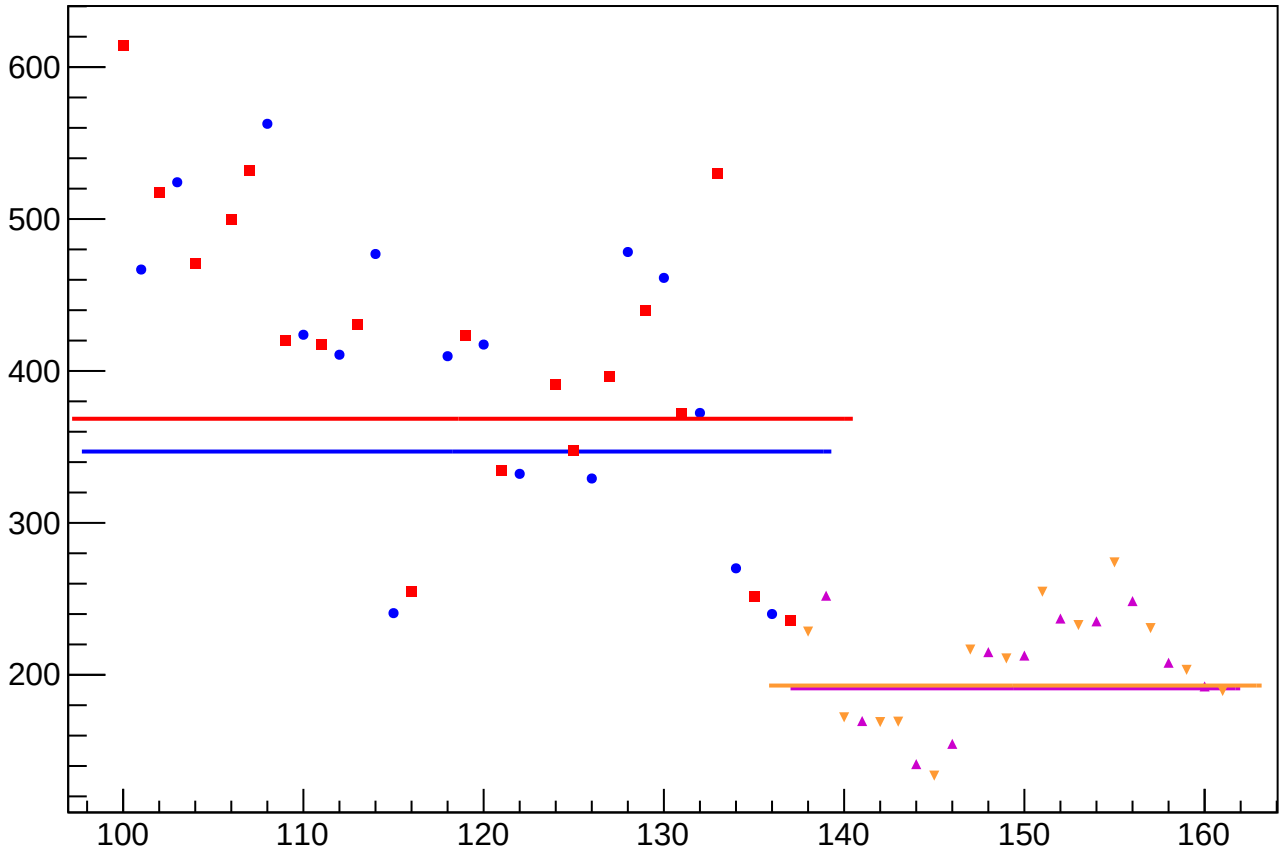
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 34.750+/-63.260 χ^2/NDF:8.9/10

+ sign 280.114+/-55.868 χ^2/NDF: 51.9/28

All: 180.694+/-40.124 χ^2/NDF: 81.3/58

- sign 74.791+/-57.661 χ^2/NDF: 22.9/29



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 192.947+/-0.043 χ^2/NDF:795157.0/12

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

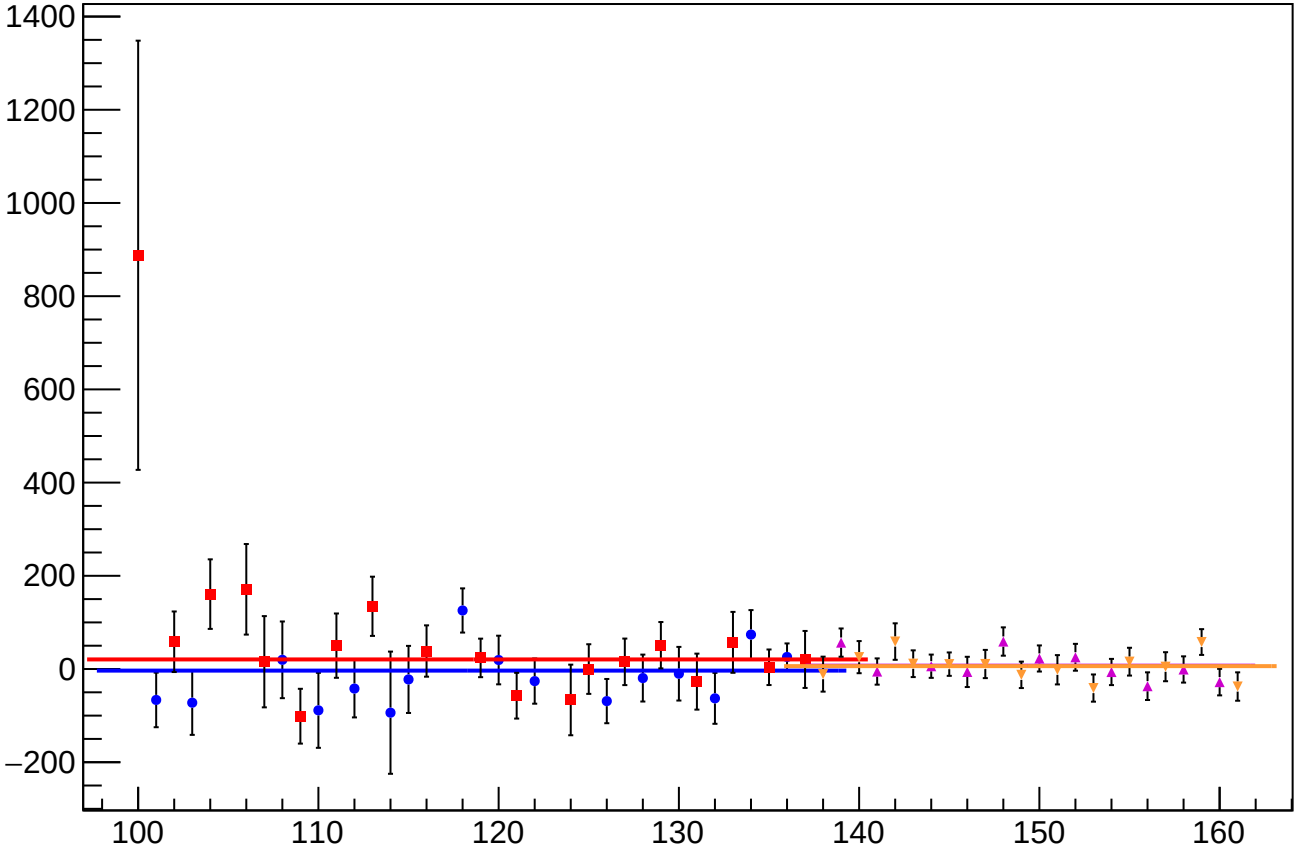
Left In: 191.104+/-0.045 χ^2/NDF:708320.6/10

+ sign 219.376+/-0.040 χ^2/NDF: 4013961.5/28

All: 220.223+/-0.028 χ^2/NDF: 8285654.0/58

- sign 221.125+/-0.041 χ^2/NDF: 4270742.8/29

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 6.170+/-8.432 χ^2/NDF:11.2/12

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

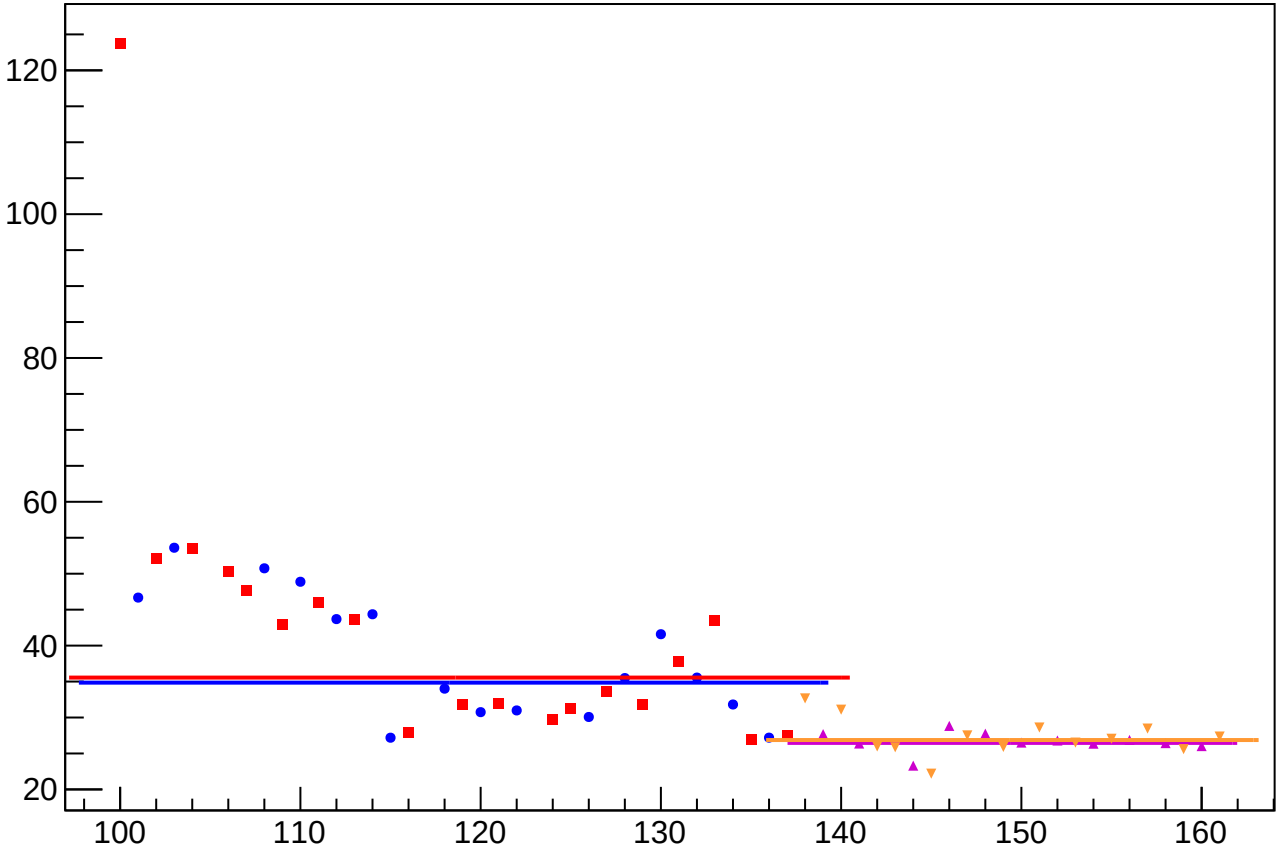
Left In: 7.182+/-8.653 χ^2/NDF:10.7/10

+ sign 3.447+/-7.135 χ^2/NDF: 30.0/28

All: 7.191+/-5.096 χ^2/NDF: 65.1/58

- sign 11.090+/-7.281 χ^2/NDF: 34.5/29

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.868+/-0.006 χ^2/NDF:170239.9/12

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

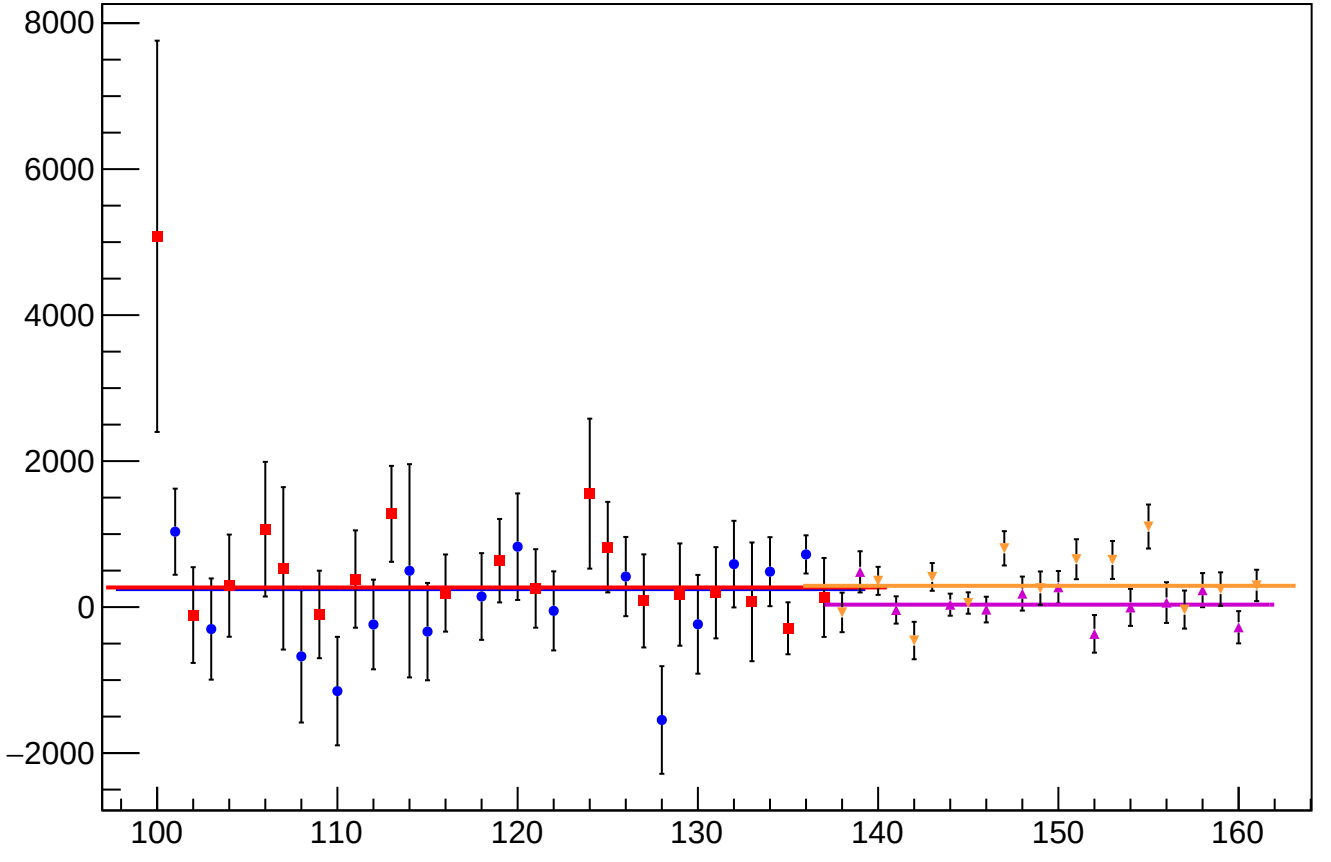
Left In: 26.471+/-0.006 χ^2/NDF:50746.8/10

+ sign 29.134+/-0.005 χ^2/NDF: 1337224.1/28

All: 29.128+/-0.004 χ^2/NDF: 2811134.2/58

- sign 29.123+/-0.005 χ^2/NDF: 1473907.7/29

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 291.693+/-61.784 χ^2/NDF:30.8/12

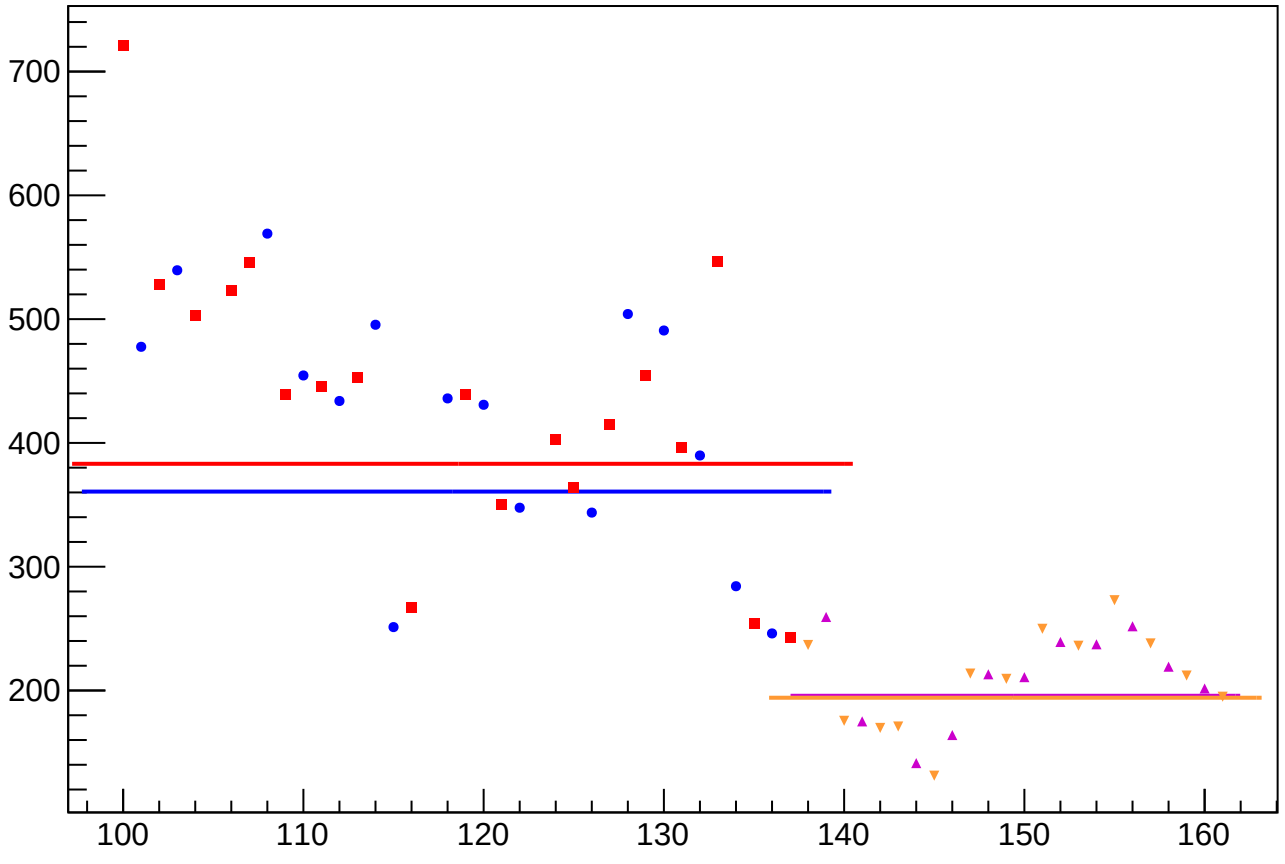
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 33.514+/-64.787 χ^2/NDF:9.5/10

+ sign 284.351+/-56.543 χ^2/NDF: 50.6/28

All: 183.262+/-40.879 χ^2/NDF: 81.7/58

- sign 72.555+/-59.171 χ^2/NDF: 24.4/29



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 194.154+/-0.044 χ^2/NDF:849842.5/12

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

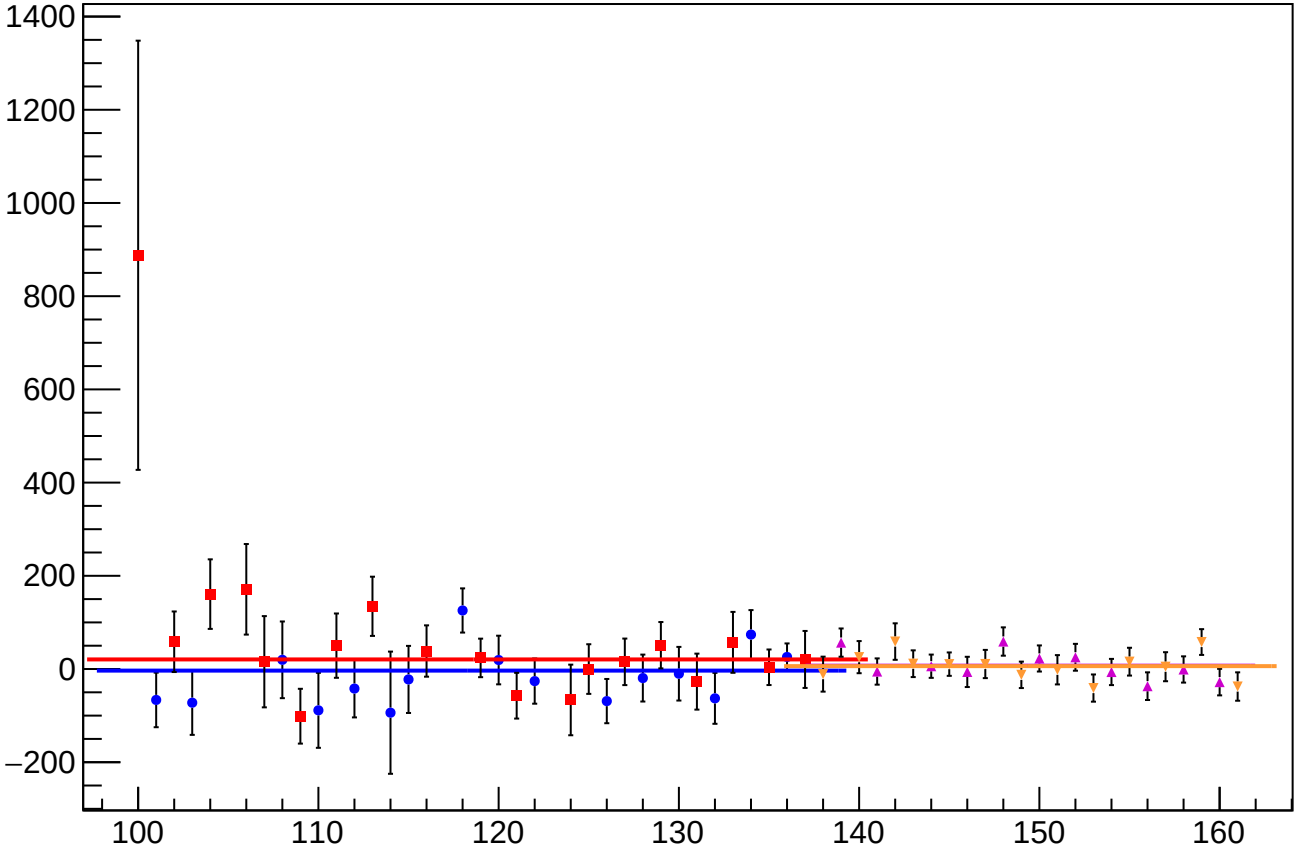
Left In: 195.733+/-0.046 χ^2/NDF:684317.4/10

+ sign 221.213+/-0.040 χ^2/NDF: 4303595.3/28

All: 223.886+/-0.029 χ^2/NDF: 8735650.3/58

- sign 226.814+/-0.042 χ^2/NDF: 4422689.1/29

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 6.170+/-8.432 χ^2/NDF:11.2/12

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

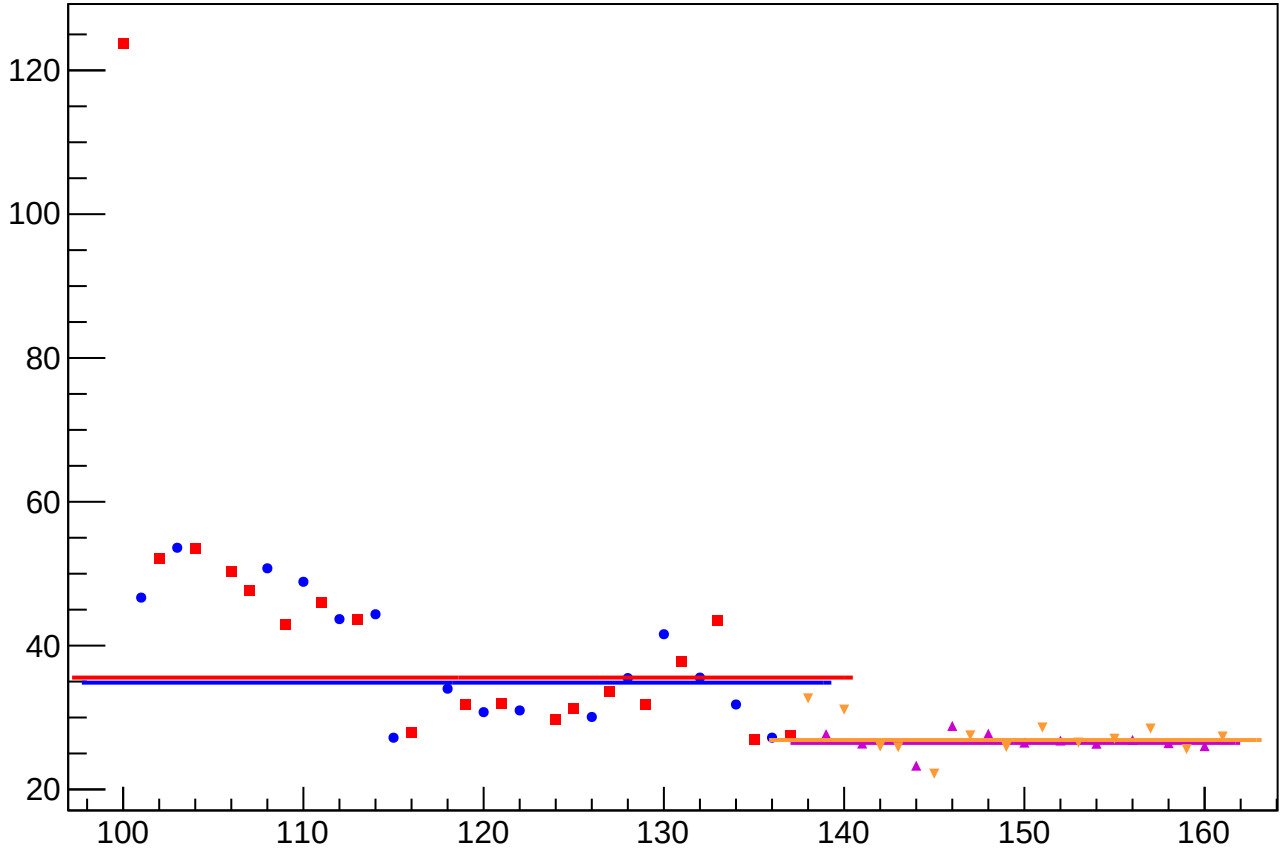
Left In: 7.182+/-8.653 χ^2/NDF:10.7/10

+ sign 3.446+/-7.135 χ^2/NDF: 30.0/28

All: 7.191+/-5.096 χ^2/NDF: 65.1/58

- sign 11.090+/-7.281 χ^2/NDF: 34.5/29

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.868+/-0.006 χ^2/NDF:170228.0/12

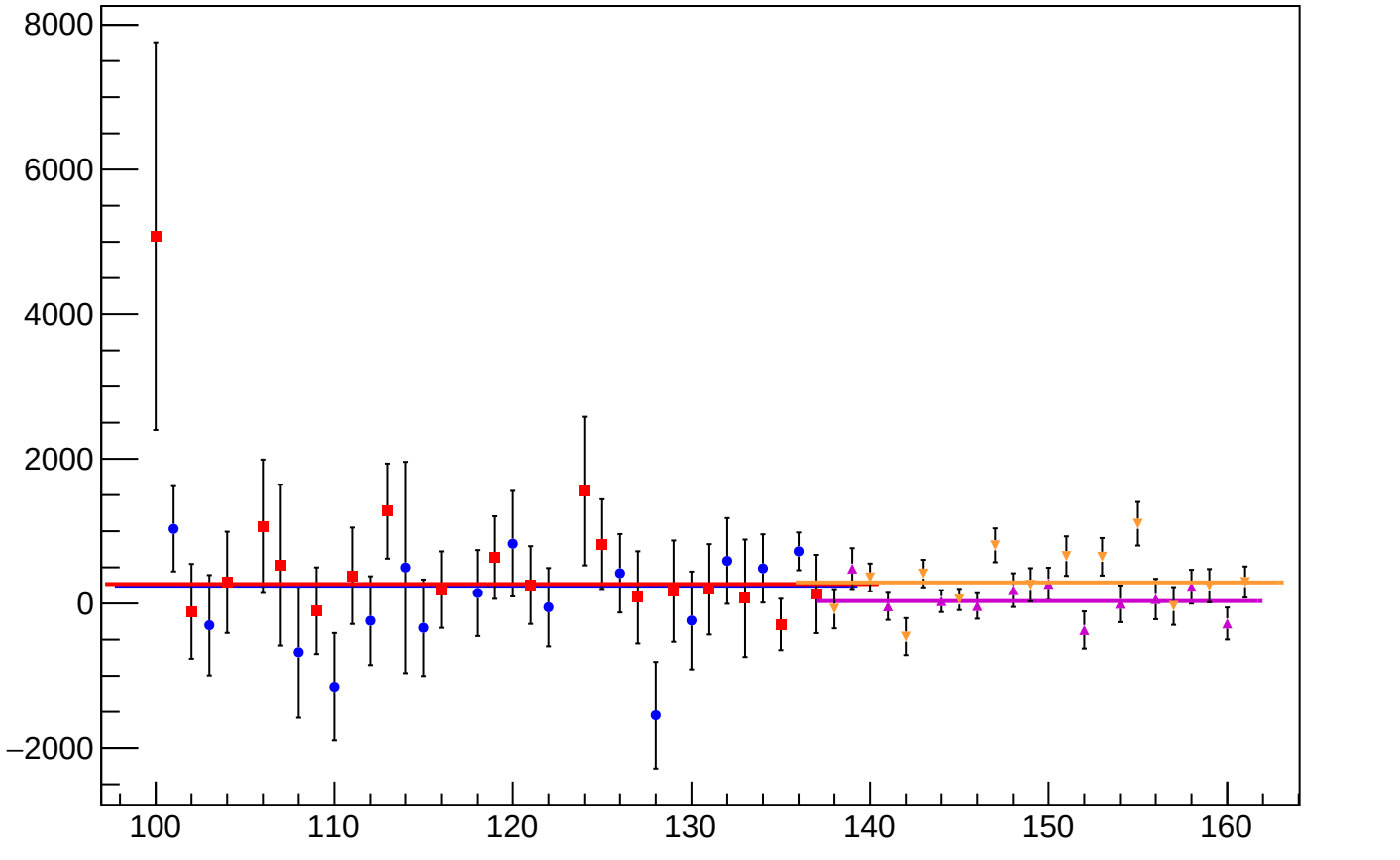
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.471+/-0.006 χ^2/NDF:50743.7/10

+ sign 29.134+/-0.005 χ^2/NDF: 1337097.4/28

All: 29.128+/-0.004 χ^2/NDF: 2810921.6/58

- sign 29.122+/-0.005 χ^2/NDF: 1473821.8/29



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 291.692+/-61.784 χ^2/NDF:30.8/12

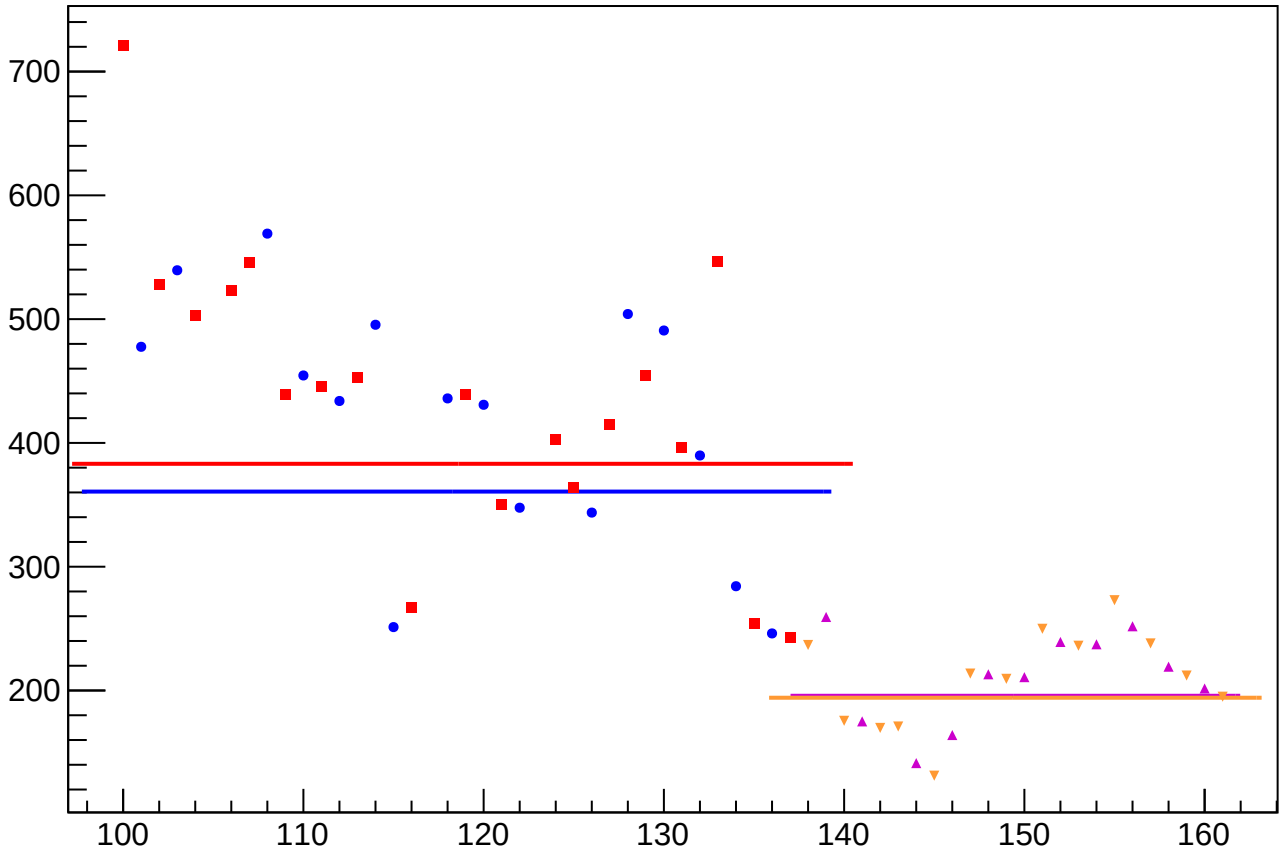
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 33.514+/-64.787 χ^2/NDF:9.5/10

+ sign 284.350+/-56.542 χ^2/NDF: 50.6/28

All: 183.262+/-40.879 χ^2/NDF: 81.7/58

- sign 72.555+/-59.171 χ^2/NDF: 24.4/29



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 194.154+/-0.044 χ^2/NDF:849861.0/12

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

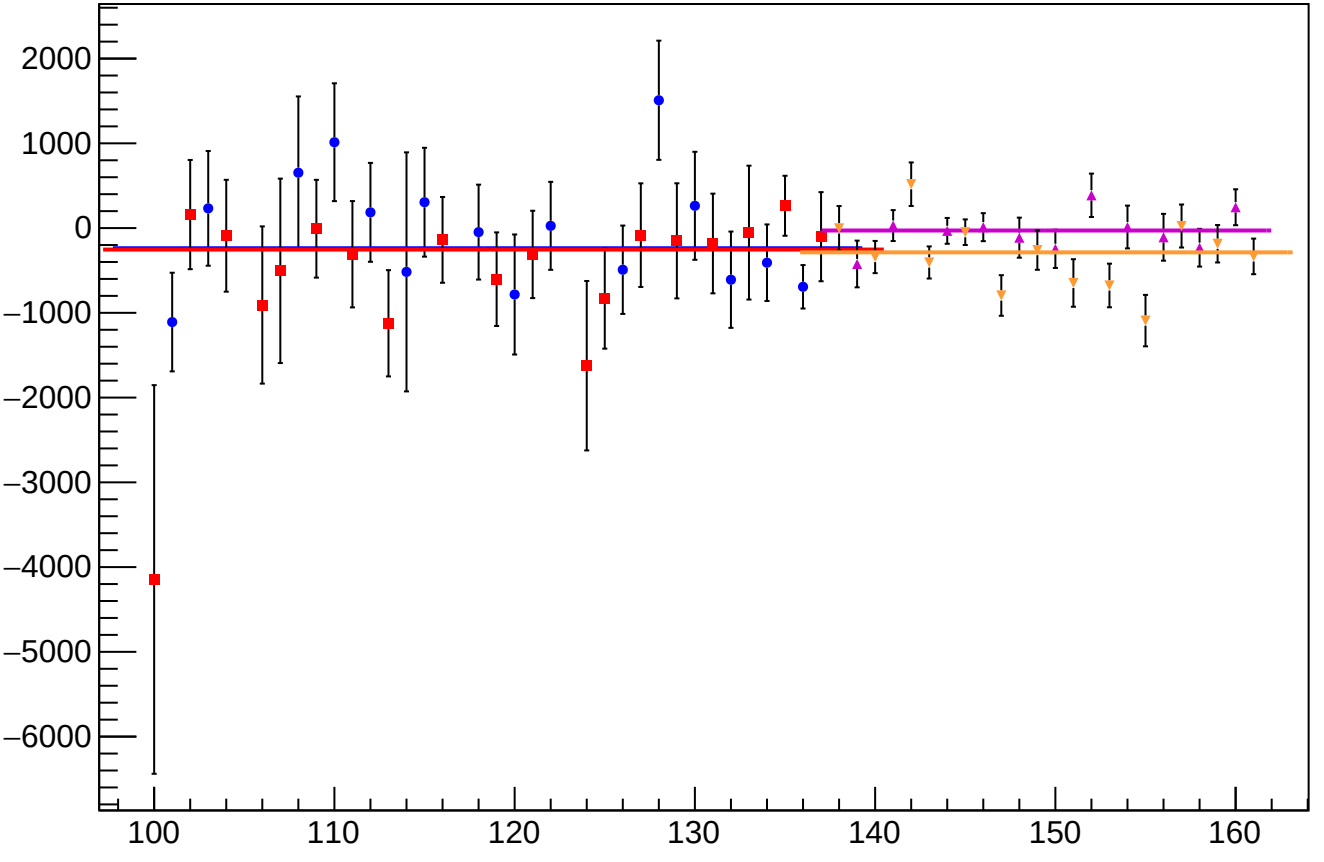
Left In: 195.733+/-0.046 χ^2/NDF:684321.6/10

+ sign 221.212+/-0.040 χ^2/NDF: 4303610.0/28

All: 223.885+/-0.029 χ^2/NDF: 8735663.9/58

- sign 226.813+/-0.042 χ^2/NDF: 4422687.4/29

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -286.405+/-61.755 χ^2/NDF:31.2/12

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

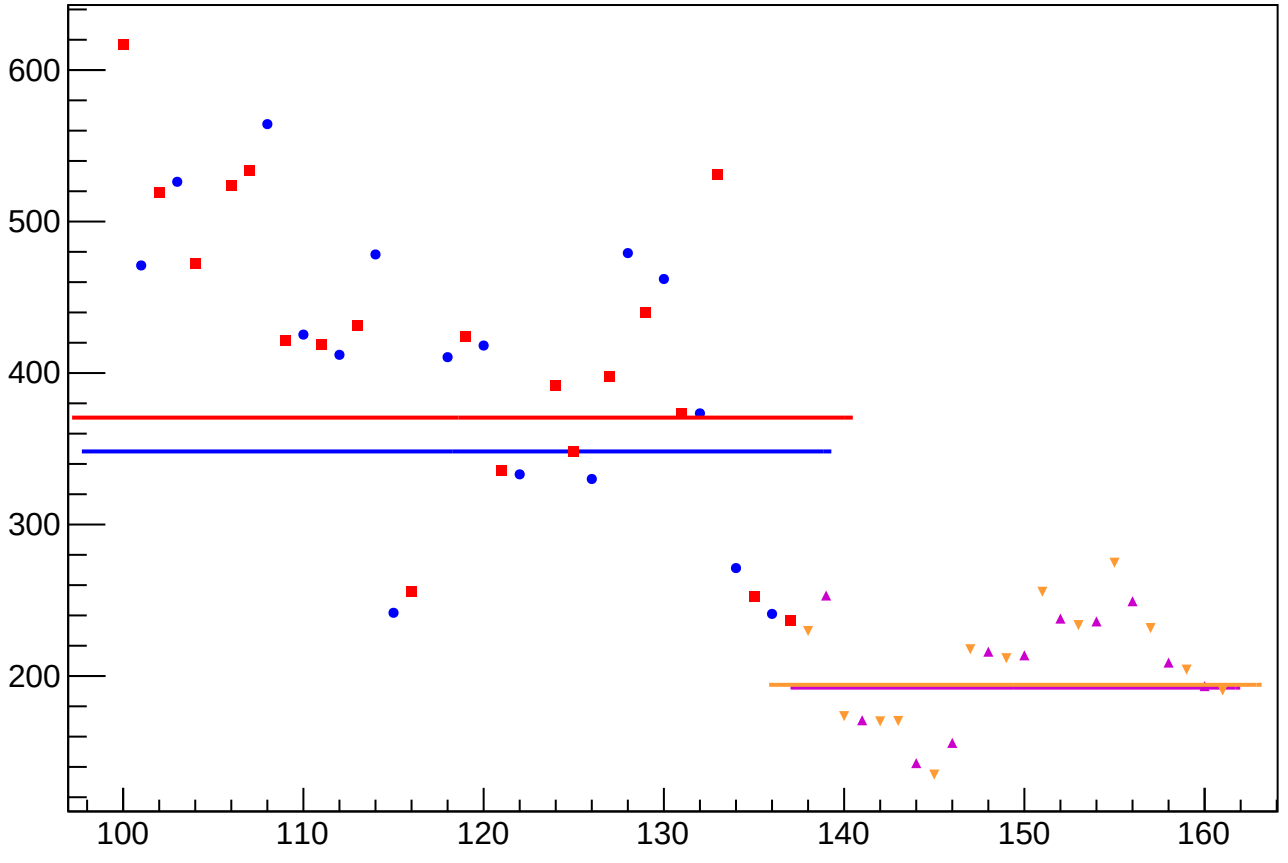
Left In: -28.531+/-63.642 χ^2/NDF:8.5/10

+ sign -278.072+/-56.183 χ^2/NDF: 51.2/28

All: -175.765+/-40.343 χ^2/NDF: 80.4/58

- sign -66.861+/-57.966 χ^2/NDF: 22.3/29

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 194.205+/-0.044 χ^2/NDF:779864.2/12

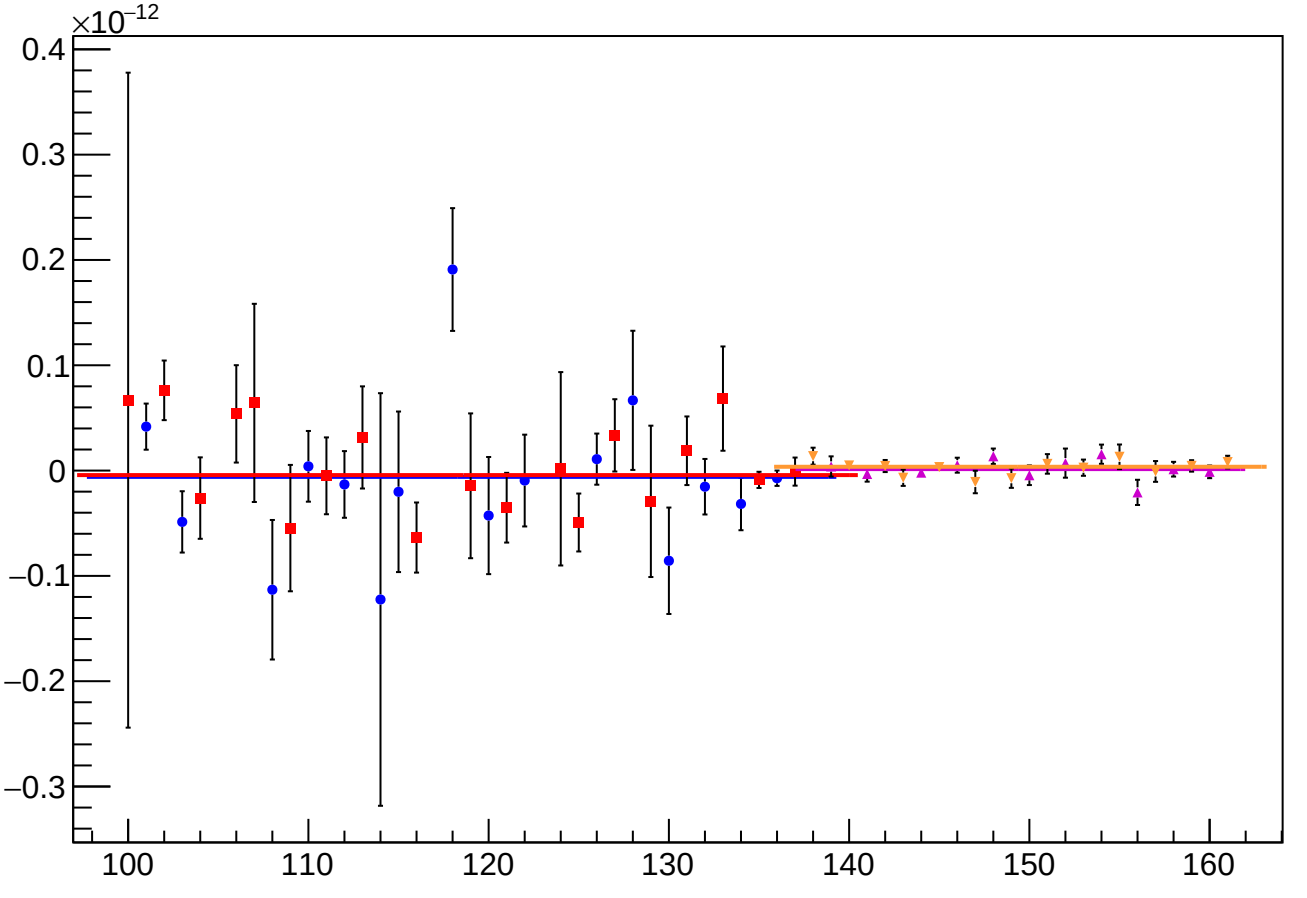
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 192.342+/-0.045 χ^2/NDF:694196.3/10

+ sign 220.749+/-0.040 χ^2/NDF: 3981039.4/28

All: 221.703+/-0.029 χ^2/NDF: 8267902.3/58

- sign 222.719+/-0.041 χ^2/NDF: 4285671.4/29



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/12

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

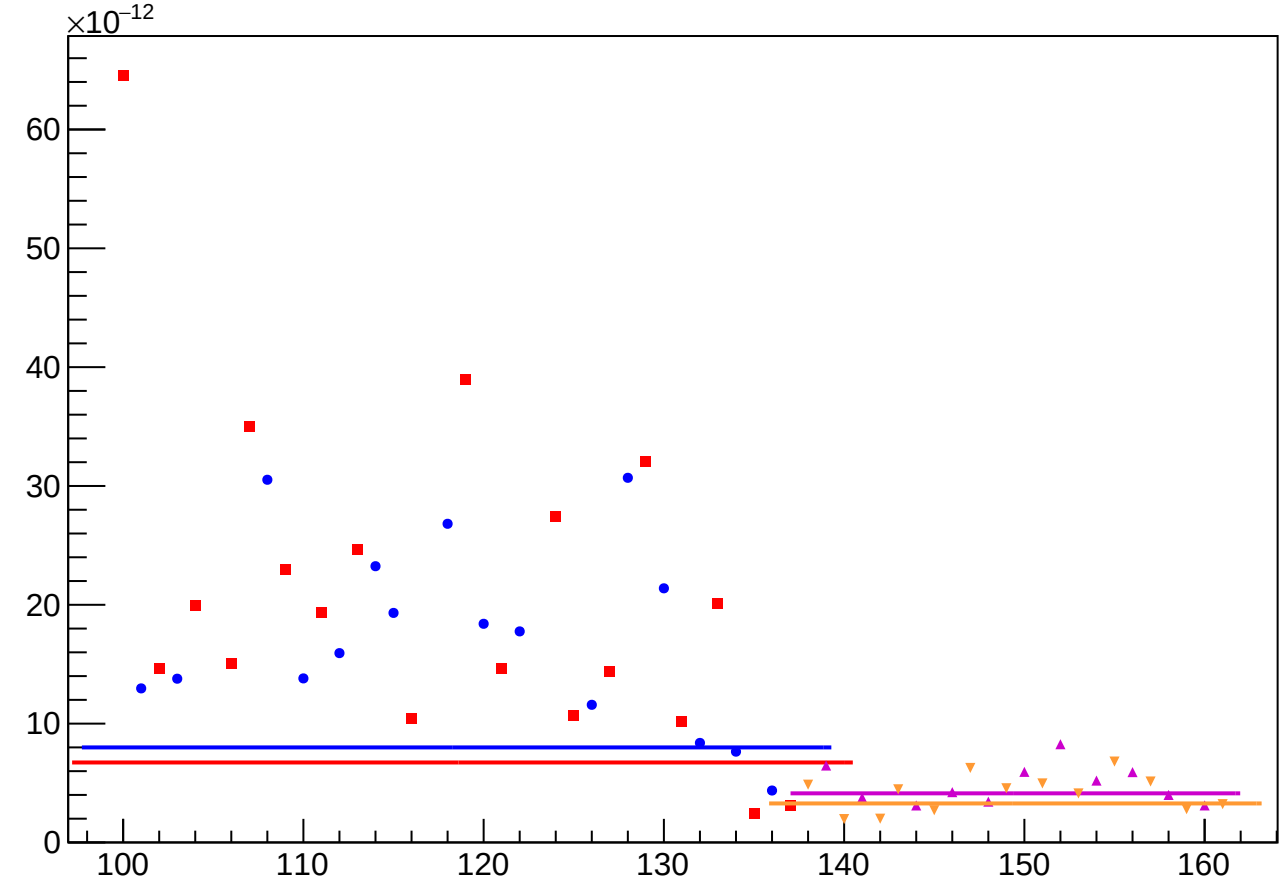
Left In: 0.000+/-0.000 χ^2/NDF:10.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 38.1/28

All: 0.000+/-0.000 χ^2/NDF: 73.2/58

- sign 0.000+/-0.000 χ^2/NDF: 34.4/29

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1019441.3/12

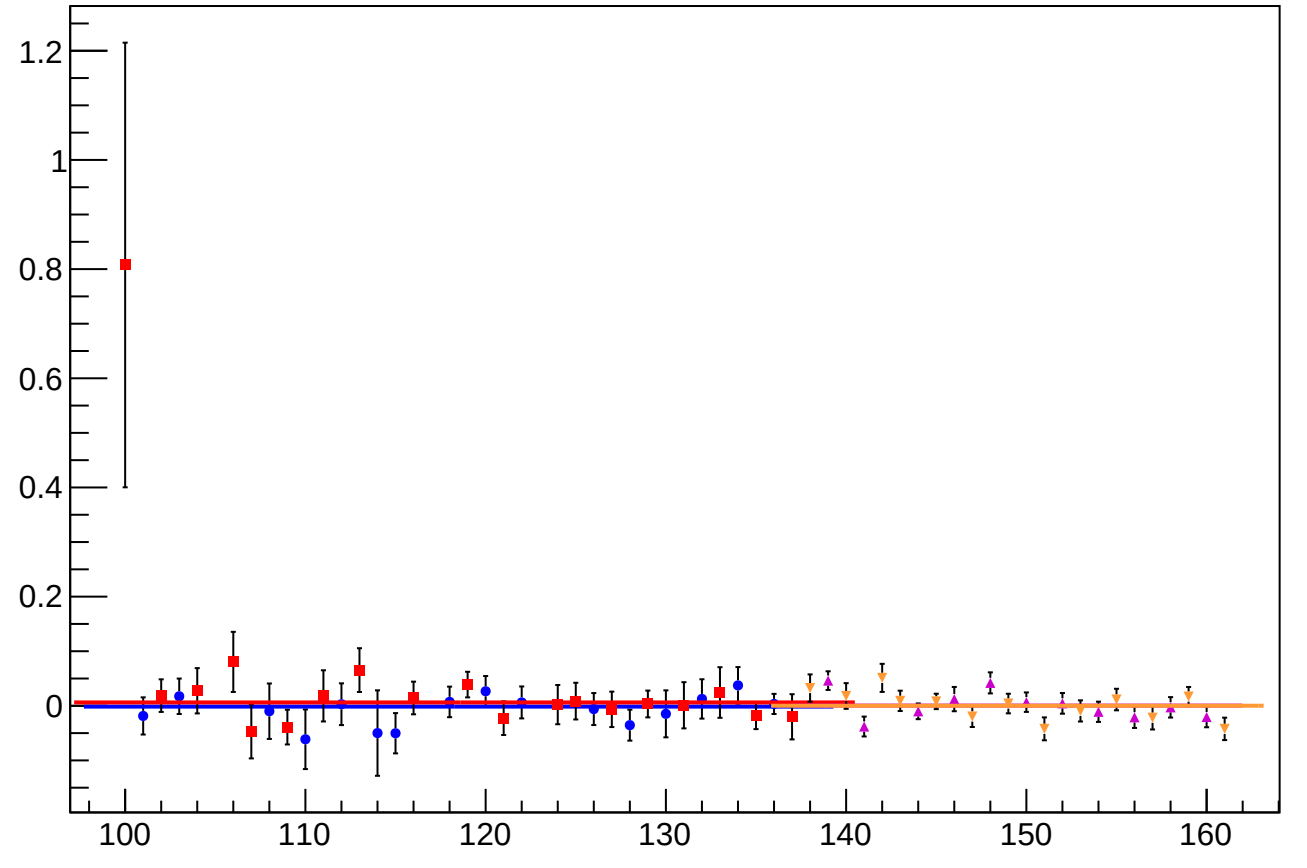
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:617765.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 4214534.0/28

All: 0.000+/-0.000 χ^2/NDF: 8749533.2/58

- sign 0.000+/-0.000 χ^2/NDF: 4372061.2/29



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:18.7/12

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

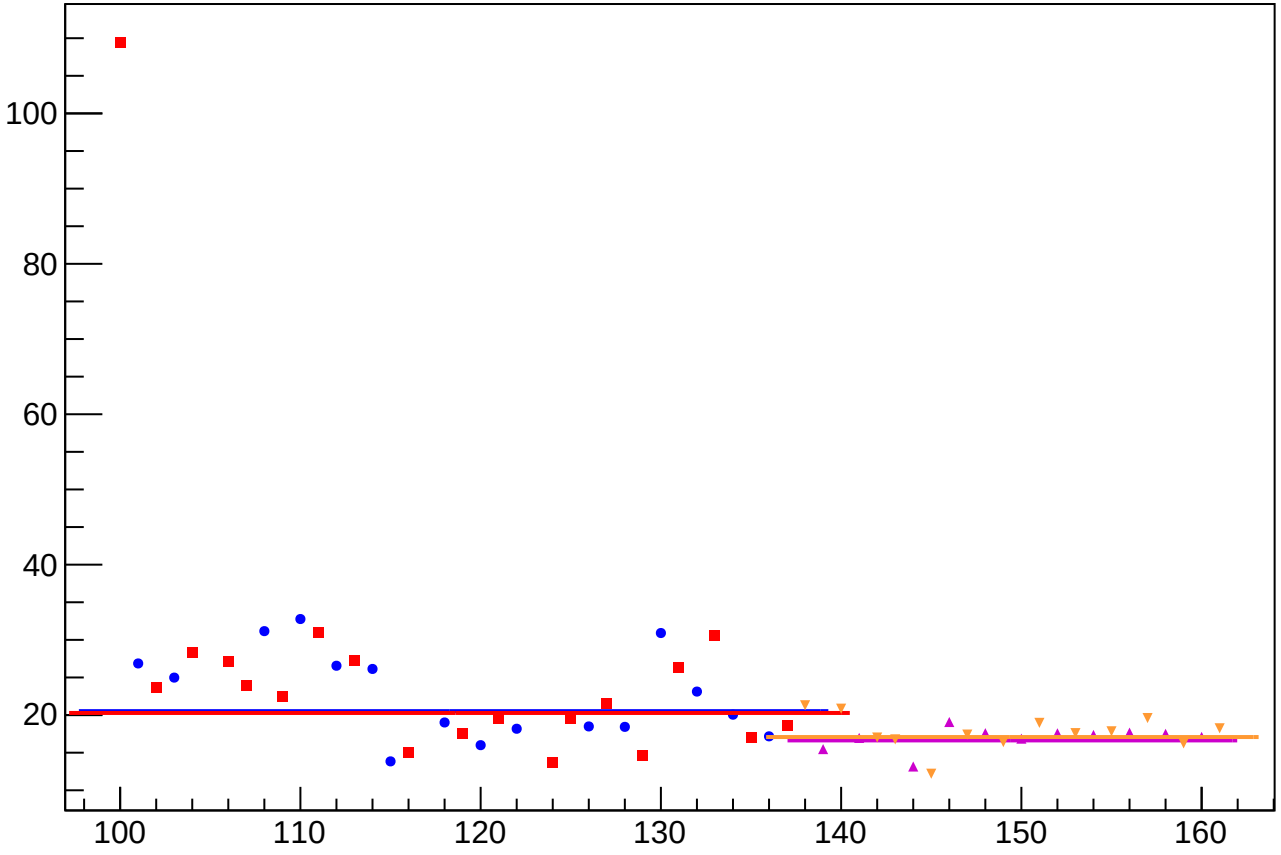
Left In: 0.000+/-0.005 χ^2/NDF:20.1/10

+ sign -0.000+/-0.005 χ^2/NDF: 27.0/28

All: 0.001+/-0.003 χ^2/NDF: 63.8/58

- sign 0.002+/-0.005 χ^2/NDF: 36.7/29

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.079+/-0.004 χ^2/NDF:409835.4/12

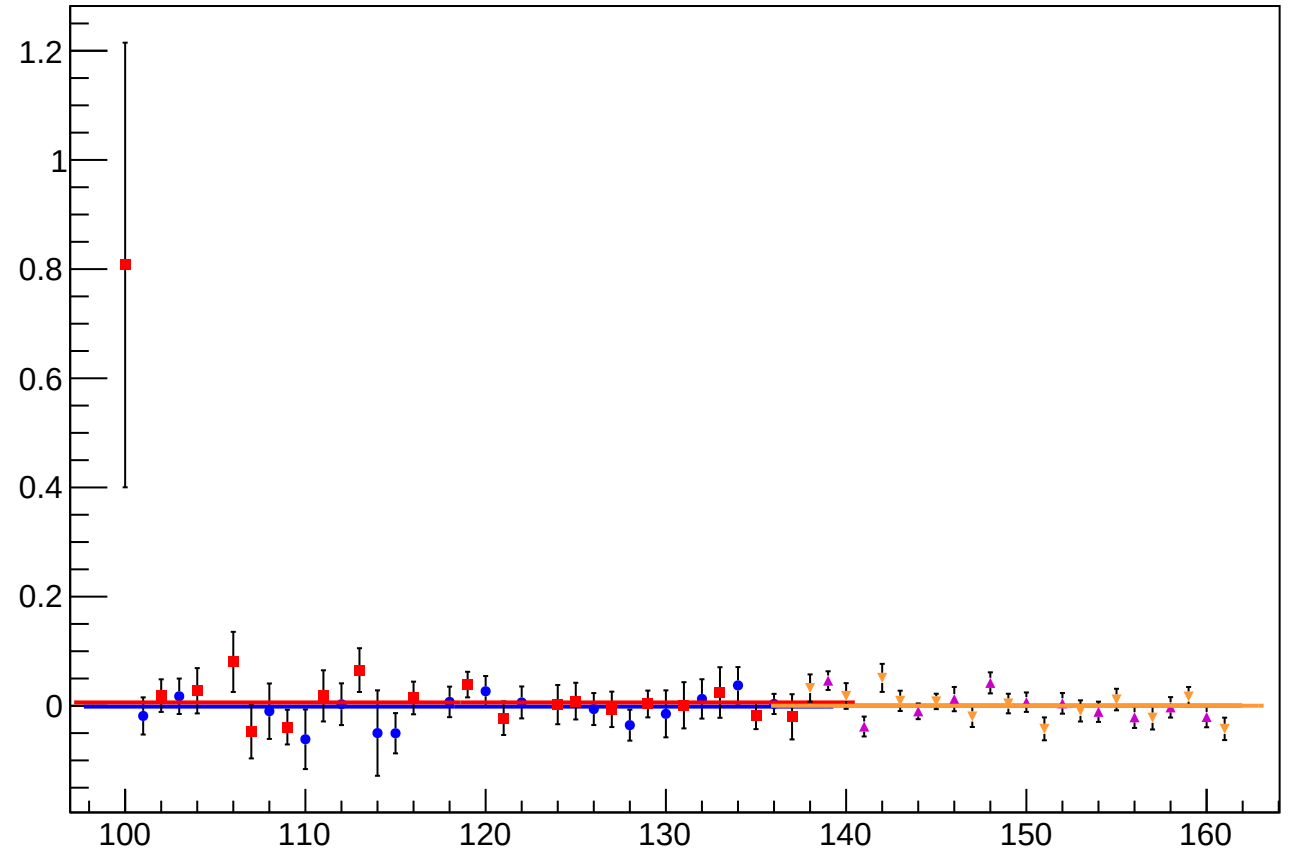
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.632+/-0.004 χ^2/NDF:174765.3/10

+ sign 18.154+/-0.003 χ^2/NDF: 1366745.9/28

All: 17.990+/-0.002 χ^2/NDF: 2699759.7/58

- sign 17.825+/-0.003 χ^2/NDF: 1327673.5/29



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:18.7/12

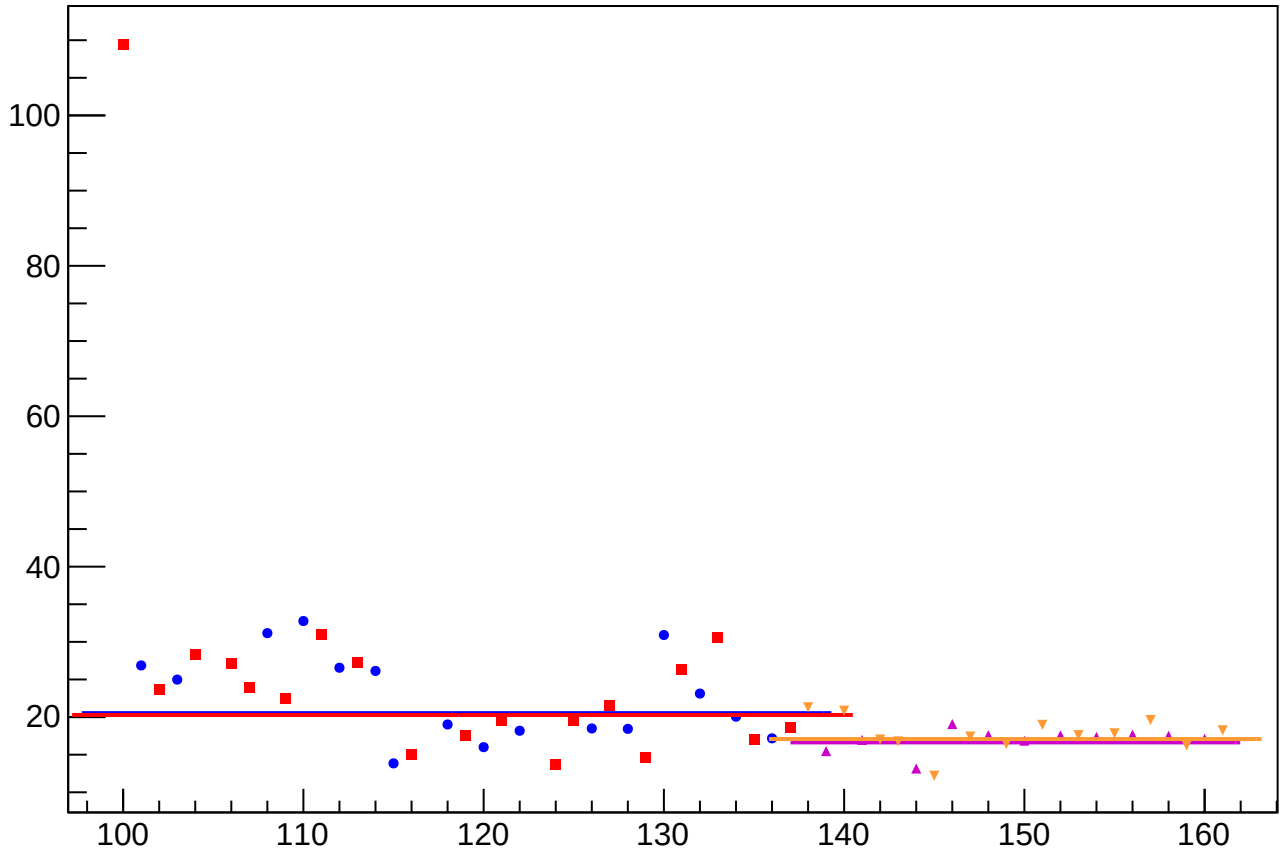
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.005 χ^2/NDF:20.1/10

+ sign -0.000+/-0.005 χ^2/NDF: 27.0/28

All: 0.001+/-0.003 χ^2/NDF: 63.8/58

- sign 0.002+/-0.005 χ^2/NDF: 36.7/29



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.079+/-0.004 χ^2/NDF:409835.4/12

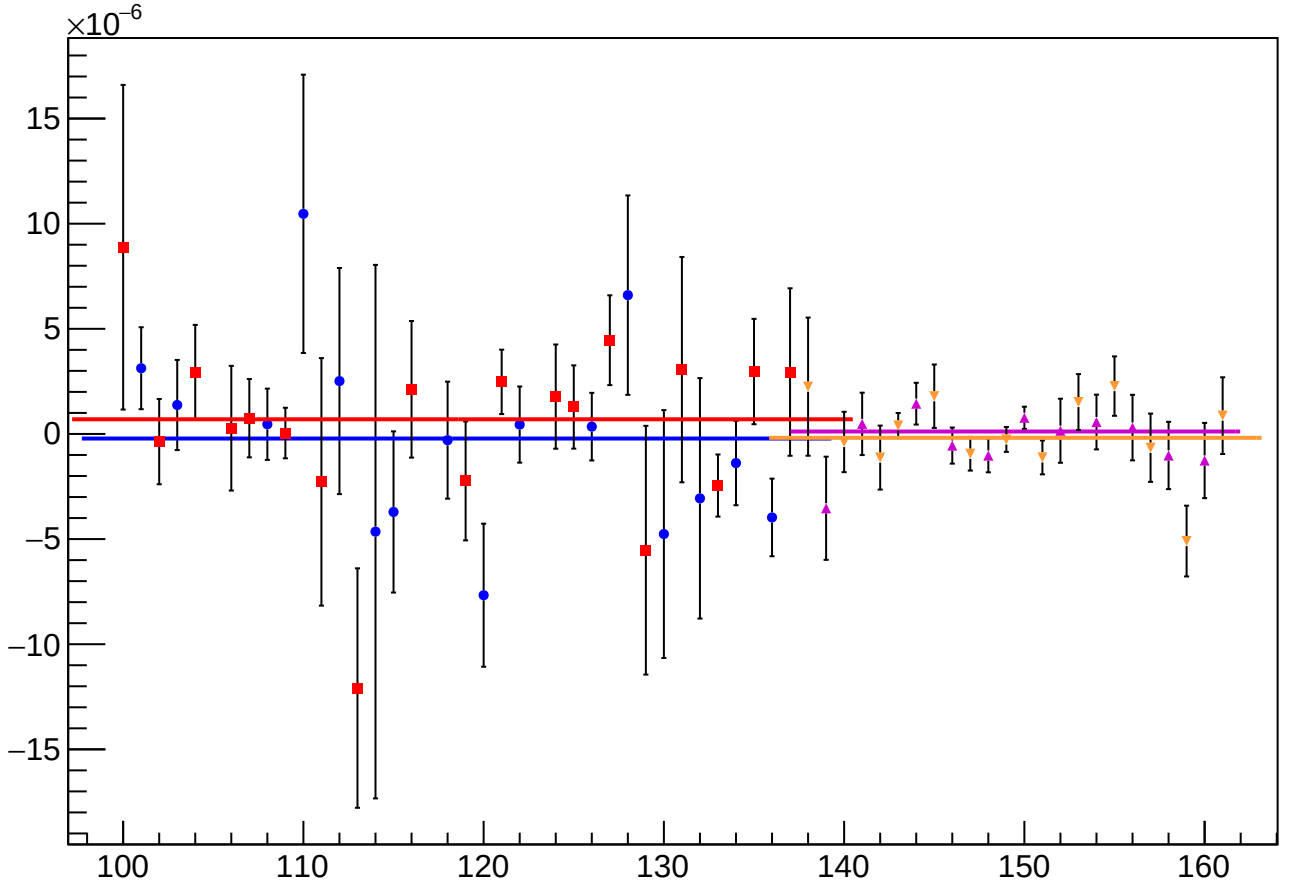
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.632+/-0.004 χ^2/NDF:174765.3/10

+ sign 18.154+/-0.003 χ^2/NDF: 1366745.9/28

All: 17.990+/-0.002 χ^2/NDF: 2699759.7/58

- sign 17.825+/-0.003 χ^2/NDF: 1327673.5/29



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/12

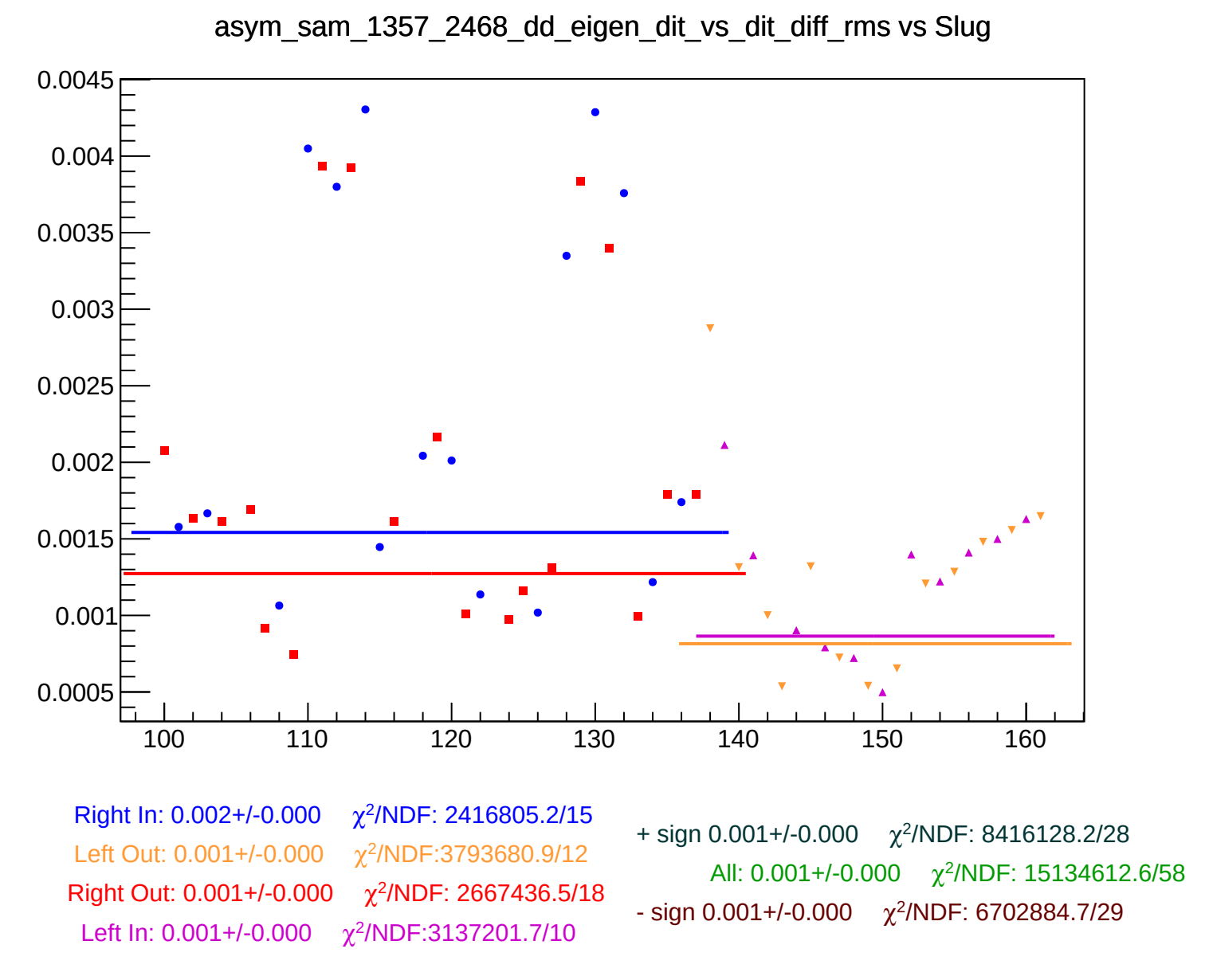
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

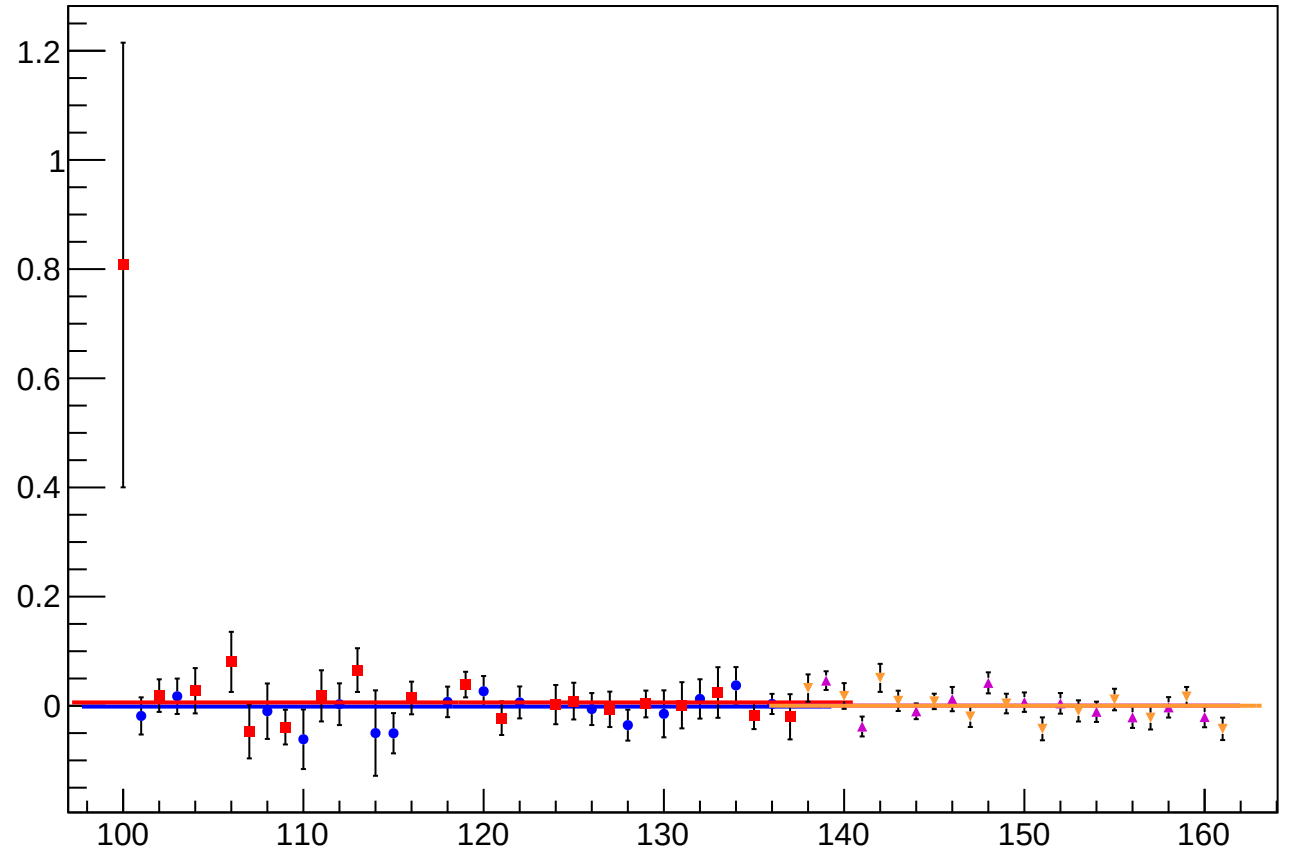
Left In: 0.000+/-0.000 χ^2/NDF:9.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/28

All: 0.000+/-0.000 χ^2/NDF: 72.3/58

- sign 0.000+/-0.000 χ^2/NDF: 31.4/29


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
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:3793680.9/12
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:3137201.7/10
+ sign 0.001+/-0.000 χ²/NDF: 8416128.2/28
All: 0.001+/-0.000 χ²/NDF: 15134612.6/58
- sign 0.001+/-0.000 χ²/NDF: 6702884.7/29



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:18.7/12

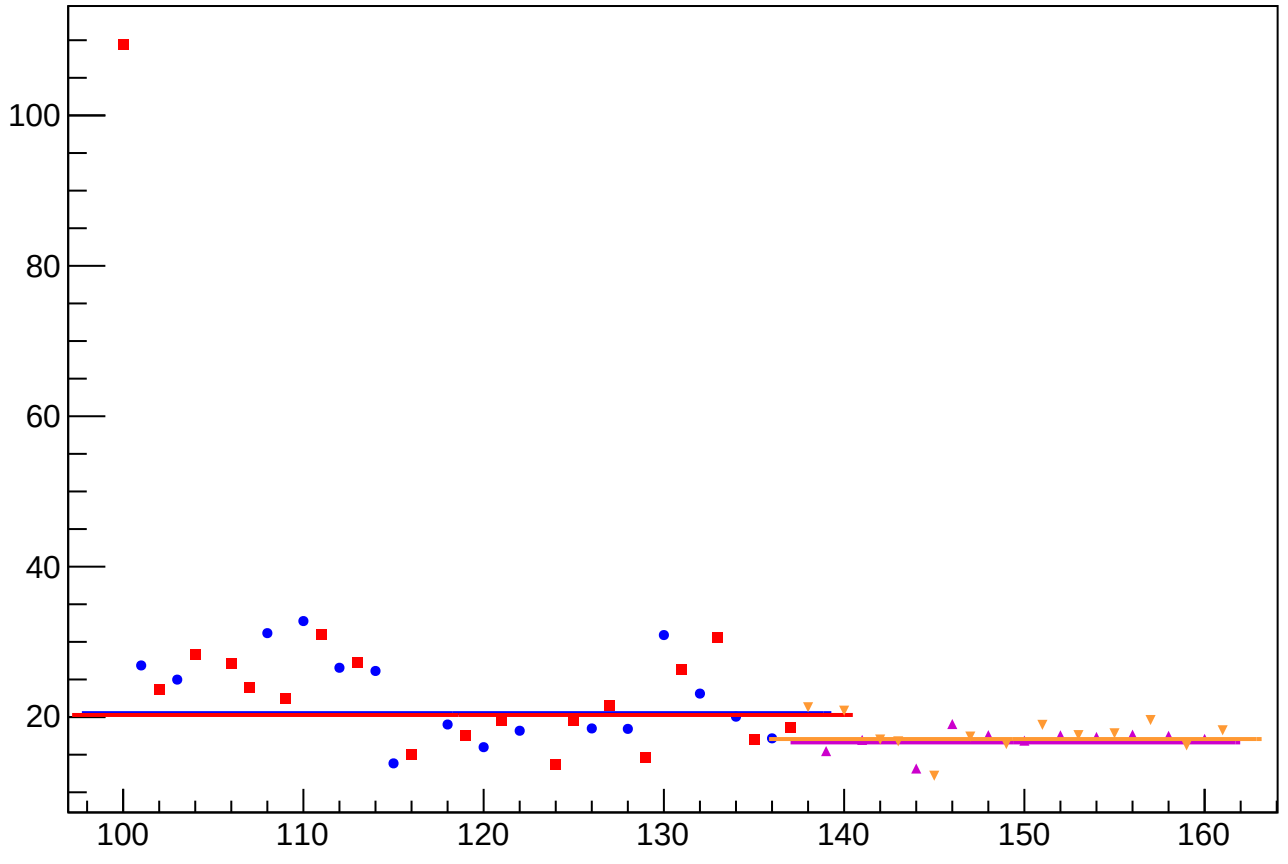
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.005 χ^2/NDF:20.1/10

+ sign -0.000+/-0.005 χ^2/NDF: 27.0/28

All: 0.001+/-0.003 χ^2/NDF: 63.8/58

- sign 0.002+/-0.005 χ^2/NDF: 36.7/29



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.079+/-0.004 χ^2/NDF:409783.4/12

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

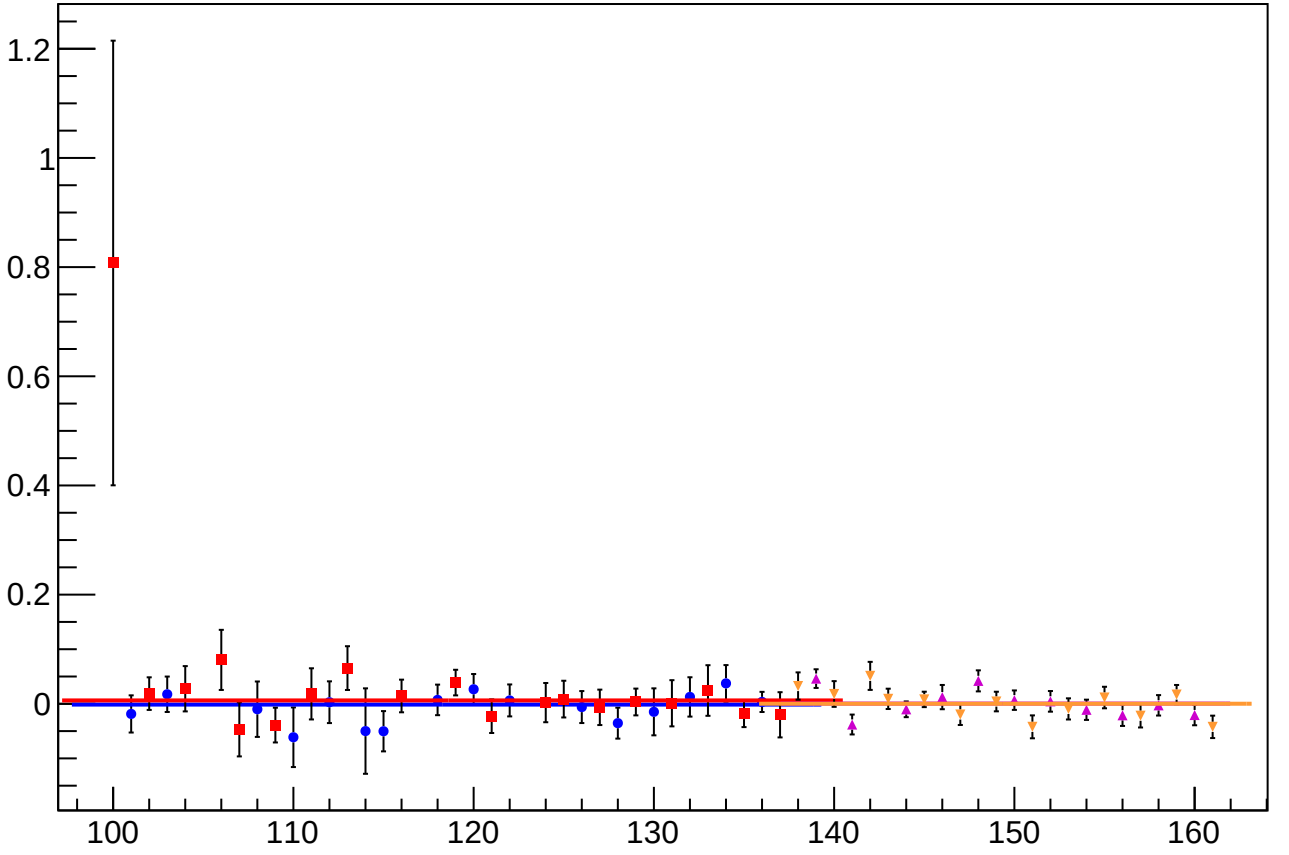
Left In: 16.632+/-0.004 χ^2/NDF:174779.7/10

+ sign 18.154+/-0.003 χ^2/NDF: 1366470.5/28

All: 17.990+/-0.002 χ^2/NDF: 2699402.5/58

- sign 17.825+/-0.003 χ^2/NDF: 1327587.0/29

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: 0.000+/-0.005 χ^2/NDF:18.7/12

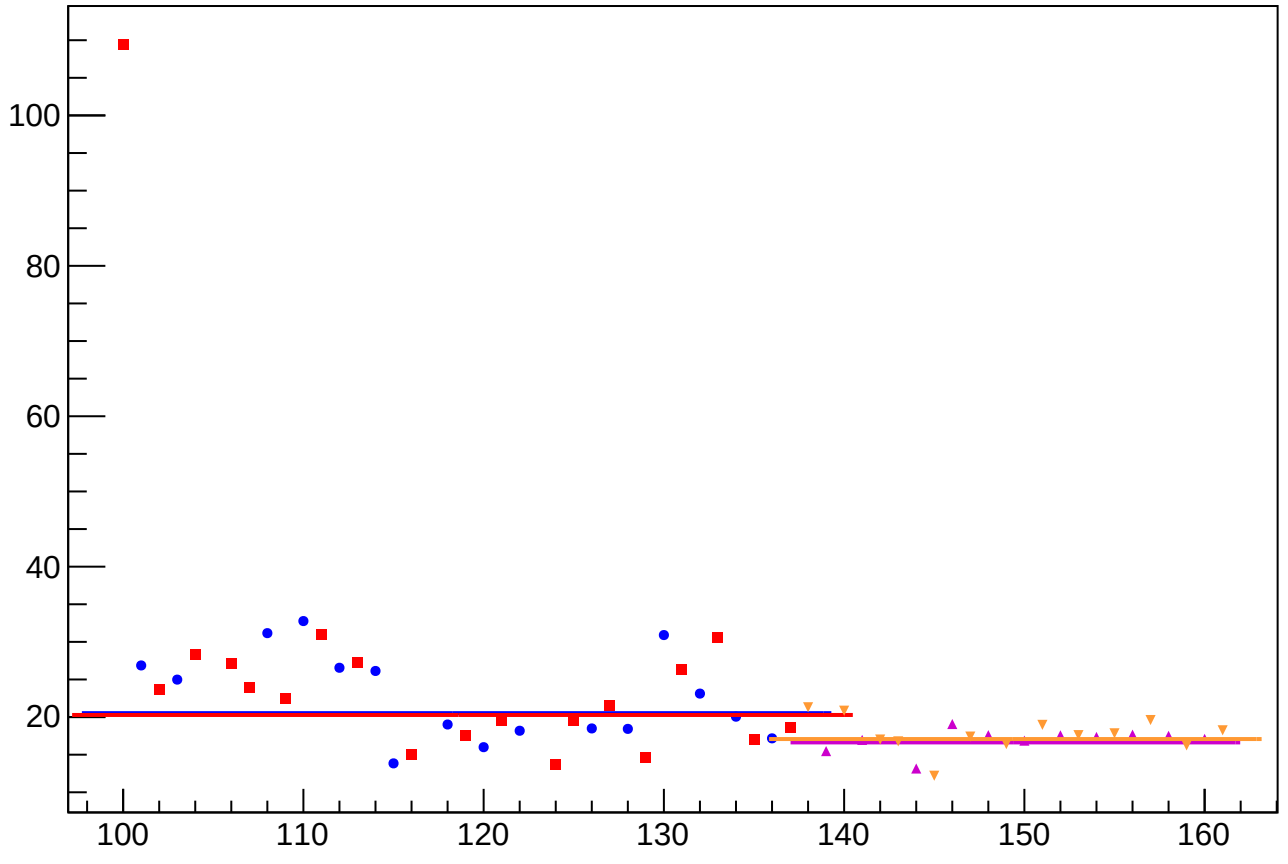
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.005 χ^2/NDF:20.1/10

+ sign -0.000+/-0.005 χ^2/NDF: 27.0/28

All: 0.001+/-0.003 χ^2/NDF: 63.8/58

- sign 0.002+/-0.005 χ^2/NDF: 36.7/29



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.079+/-0.004 χ^2/NDF:409783.4/12

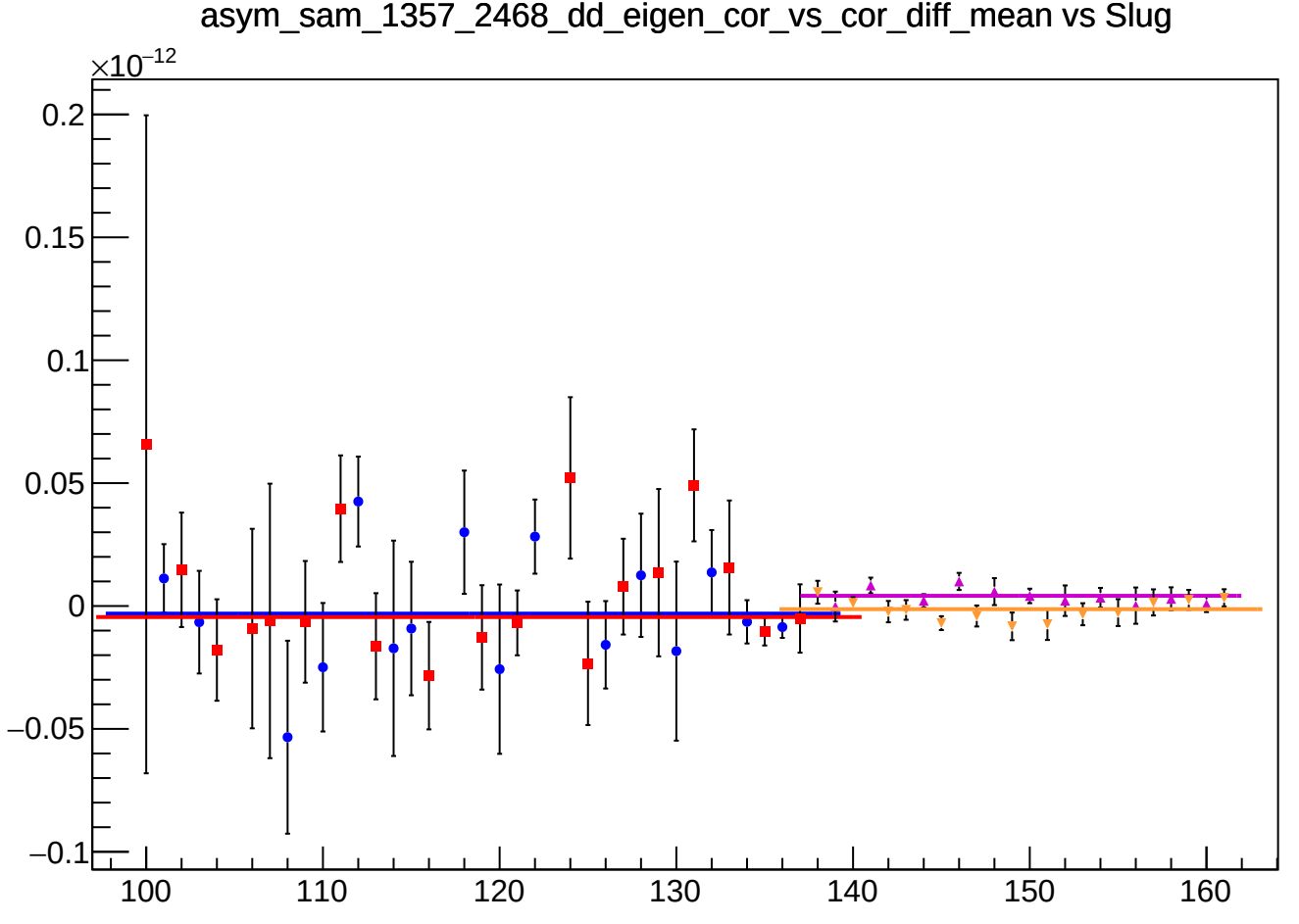
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.632+/-0.004 χ^2/NDF:174779.7/10

+ sign 18.154+/-0.003 χ^2/NDF: 1366470.5/28

All: 17.990+/-0.002 χ^2/NDF: 2699402.5/58

- sign 17.825+/-0.003 χ^2/NDF: 1327587.0/29



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/12

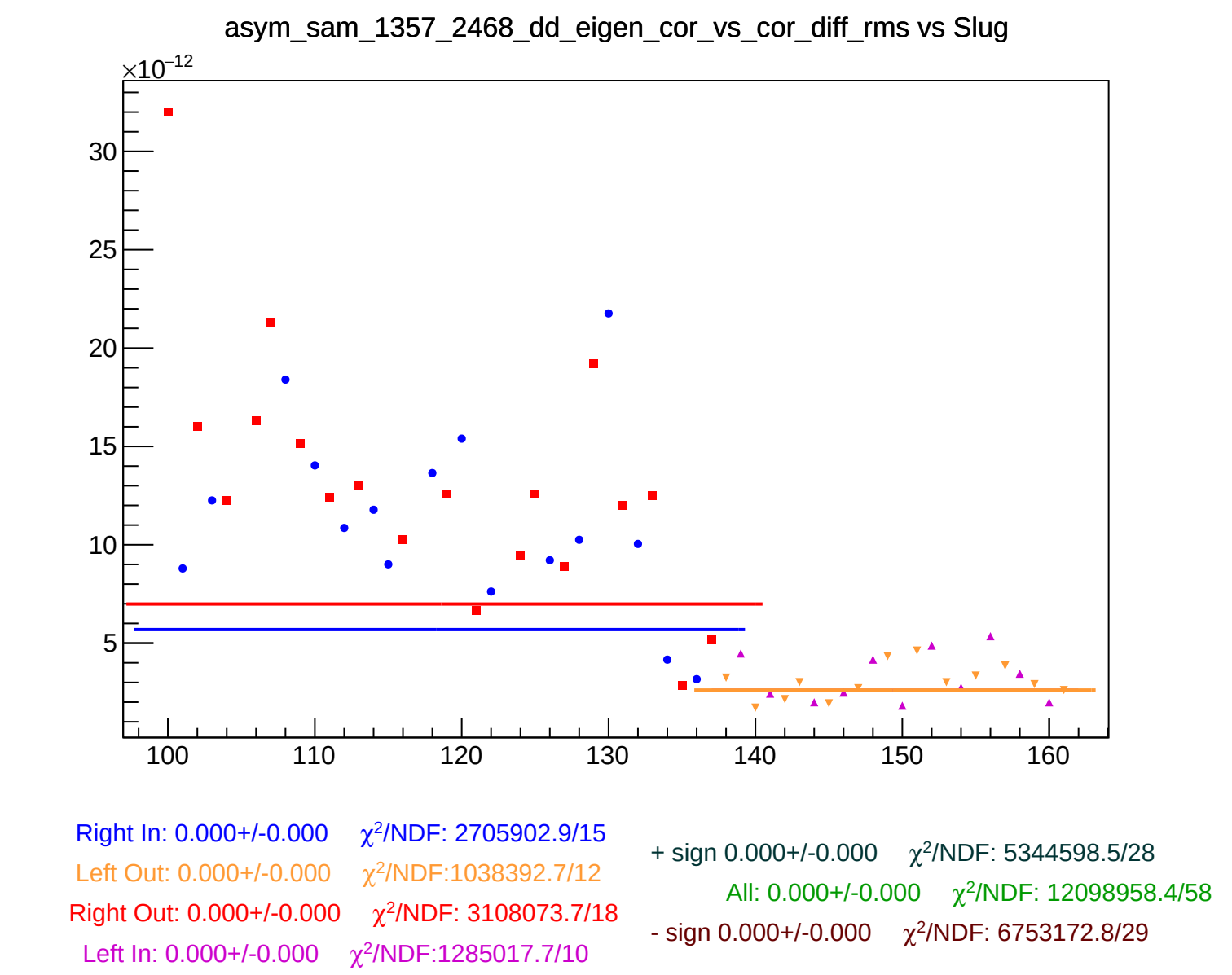
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/10

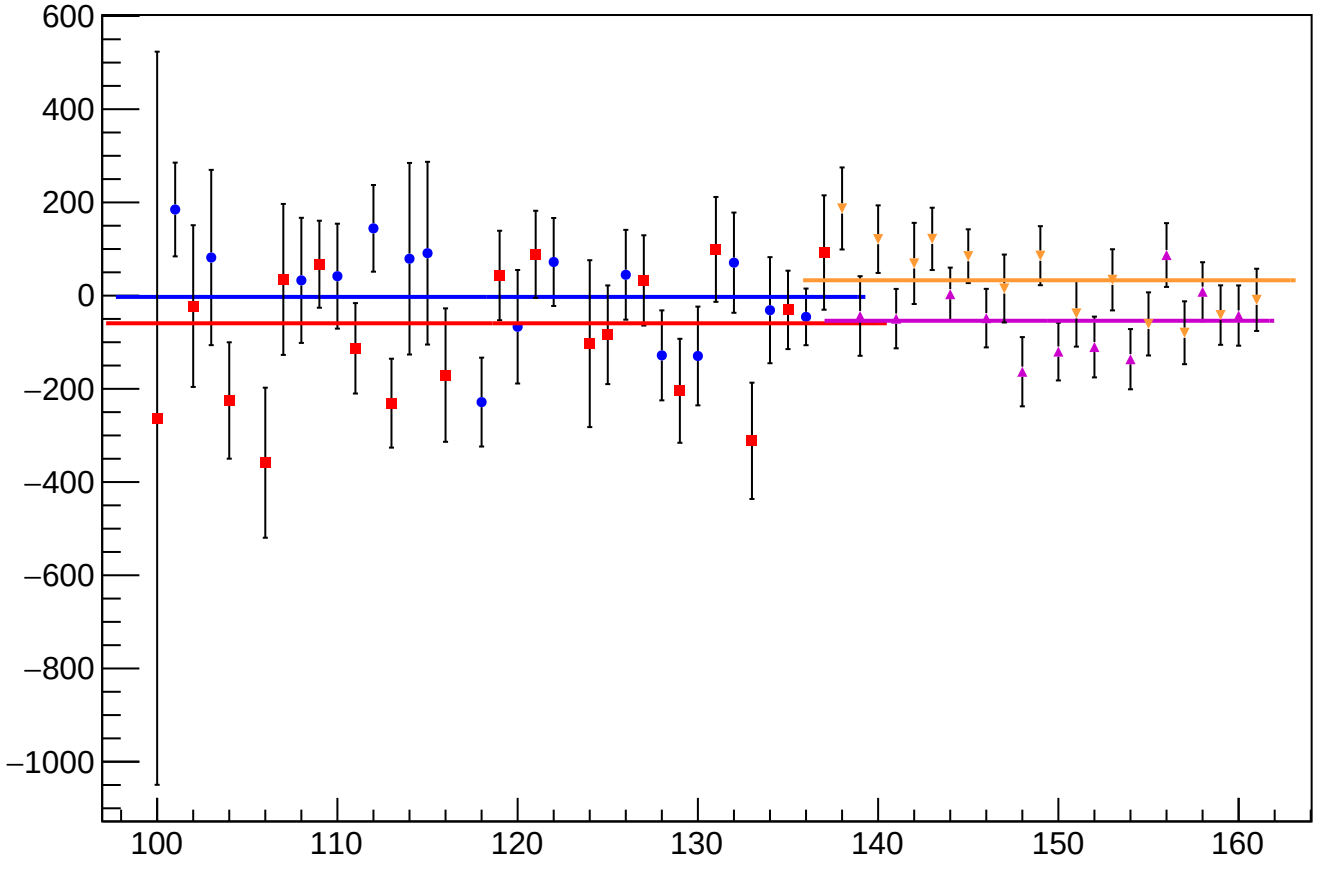
+ sign -0.000+/-0.000 χ^2/NDF: 33.7/28

All: 0.000+/-0.000 χ^2/NDF: 74.6/58

- sign 0.000+/-0.000 χ^2/NDF: 30.6/29


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1038392.7/12
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:1285017.7/10
+ sign 0.000+/-0.000 χ²/NDF: 5344598.5/28
All: 0.000+/-0.000 χ²/NDF: 12098958.4/58
- sign 0.000+/-0.000 χ²/NDF: 6753172.8/29

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 32.933+/-19.069 χ^2/NDF:15.5/12

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

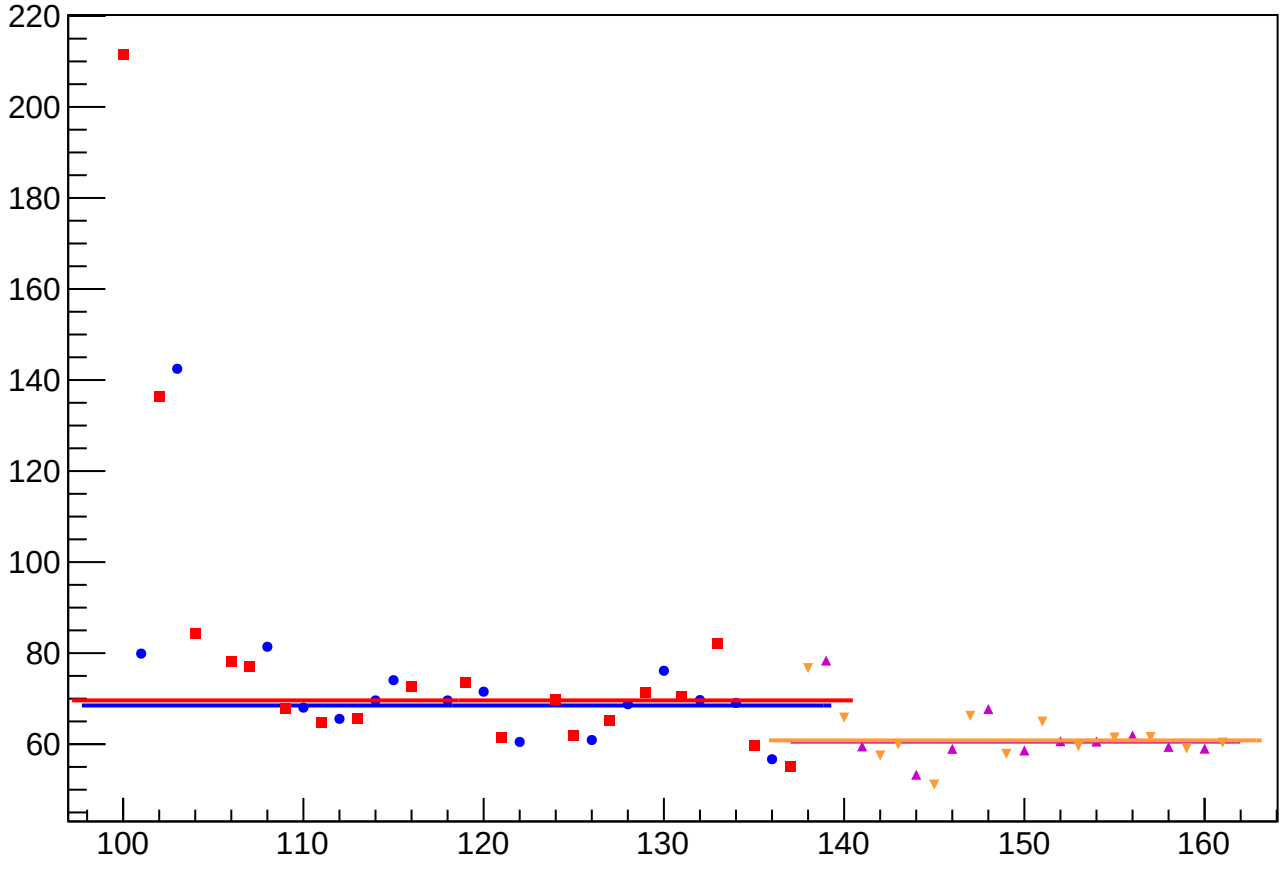
Left In: -53.951+/-19.745 χ^2/NDF:12.0/10

+ sign 20.578+/-15.420 χ^2/NDF: 34.4/28

All: -16.706+/-11.038 χ^2/NDF: 84.1/58

- sign -55.889+/-15.808 χ^2/NDF: 37.7/29

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.828+/-0.013 χ^2/NDF:159421.1/12

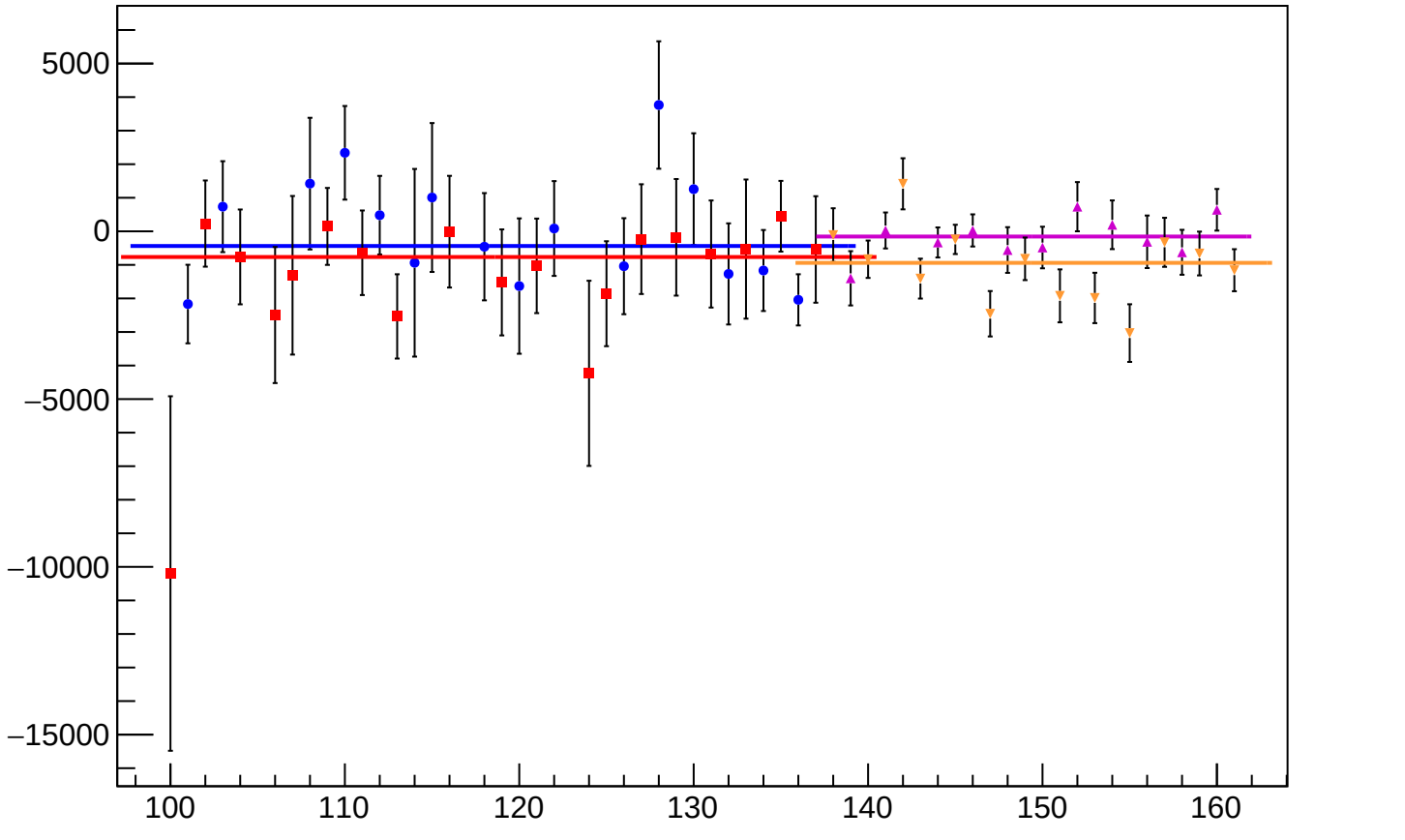
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.562+/-0.014 χ^2/NDF:144459.8/10

+ sign 63.483+/-0.011 χ^2/NDF: 743272.0/28

All: 63.644+/-0.008 χ^2/NDF: 1559691.1/58

- sign 63.814+/-0.011 χ^2/NDF: 815968.9/29



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -939.632+/-180.309 χ^2/NDF:29.4/12

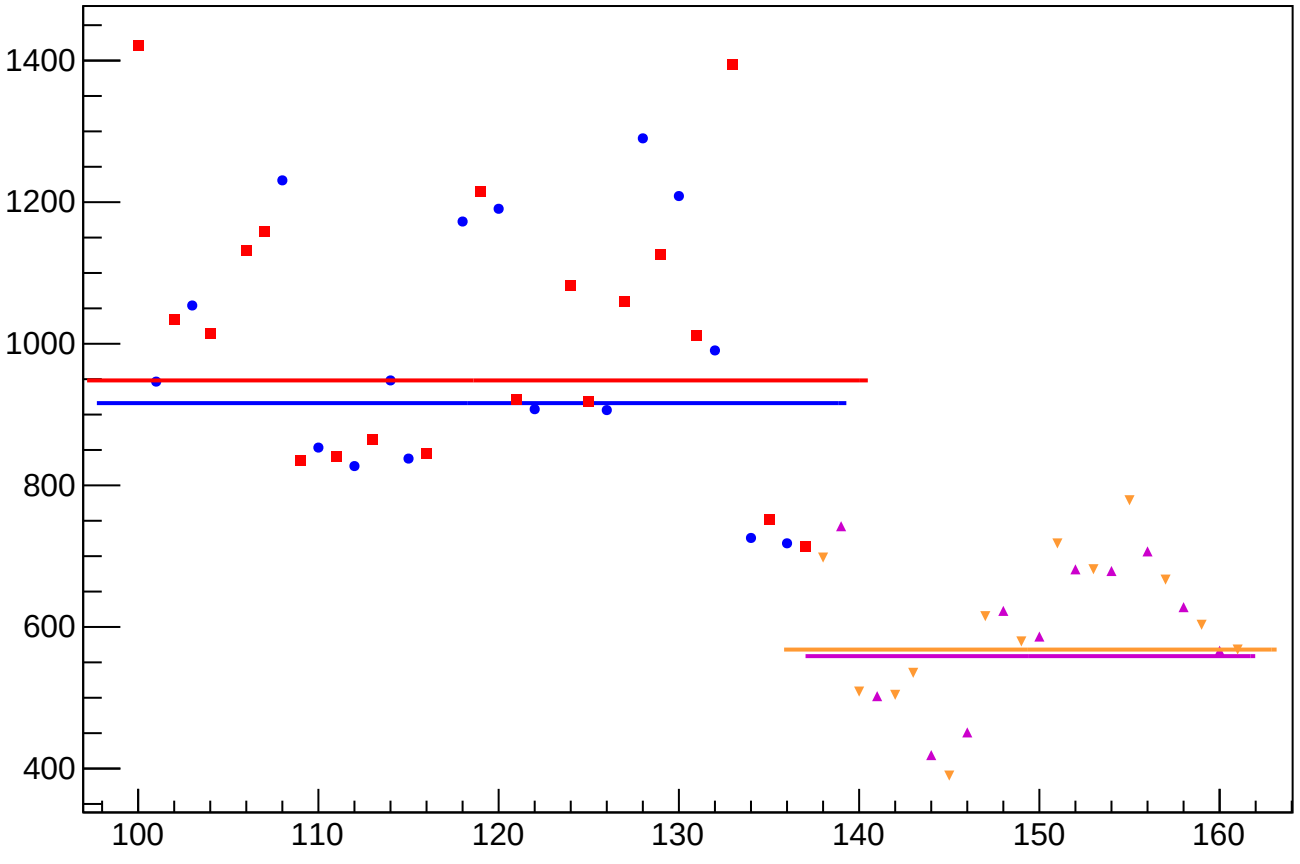
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -155.267+/-184.677 χ^2/NDF:7.3/10

+ sign -833.770+/-160.181 χ^2/NDF: 51.5/28

All: -565.901+/-114.469 χ^2/NDF: 78.2/58

- sign -286.333+/-163.641 χ^2/NDF: 21.0/29



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 568.071+/-0.127 χ^2/NDF:719551.4/12

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

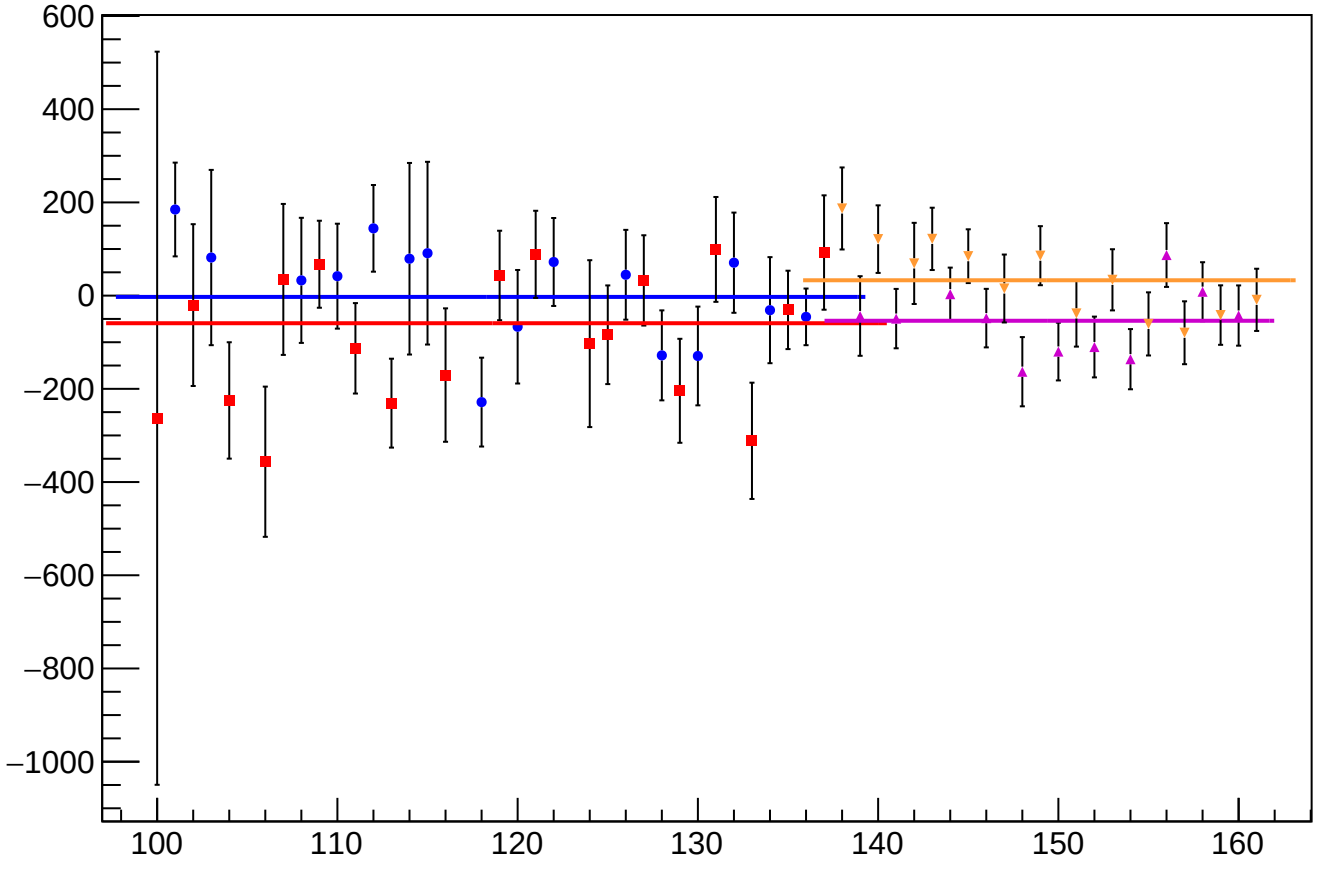
Left In: 558.796+/-0.131 χ^2/NDF:646462.0/10

+ sign 641.450+/-0.113 χ^2/NDF: 2800028.9/28

All: 641.945+/-0.081 χ^2/NDF: 5772417.5/58

- sign 642.462+/-0.116 χ^2/NDF: 2972349.6/29

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 32.934+/-19.069 χ^2/NDF:15.5/12

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

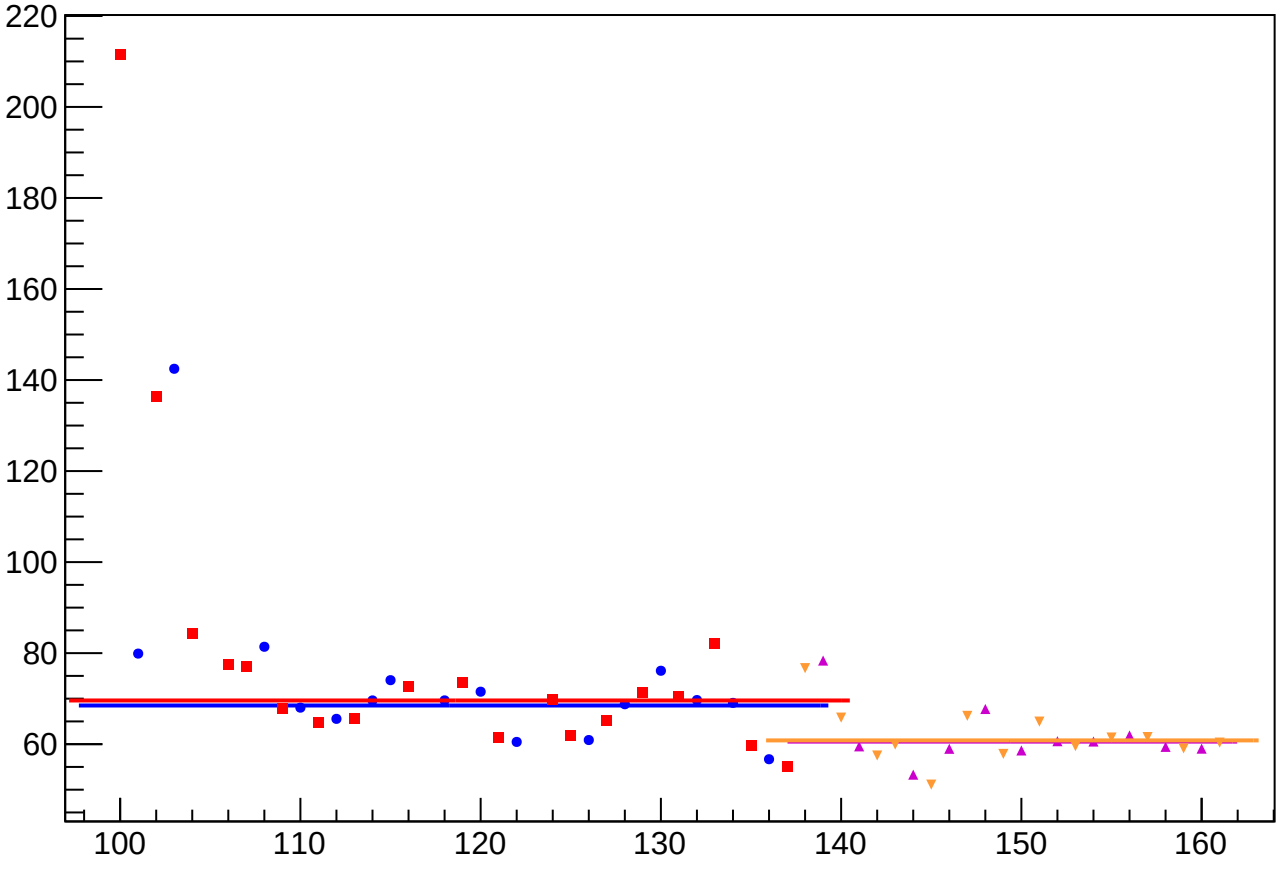
Left In: -53.952+/-19.745 χ^2/NDF:12.0/10

+ sign 20.577+/-15.420 χ^2/NDF: 34.4/28

All: -16.685+/-11.039 χ^2/NDF: 84.0/58

- sign -55.846+/-15.808 χ^2/NDF: 37.6/29

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.828+/-0.013 χ^2/NDF:159421.1/12

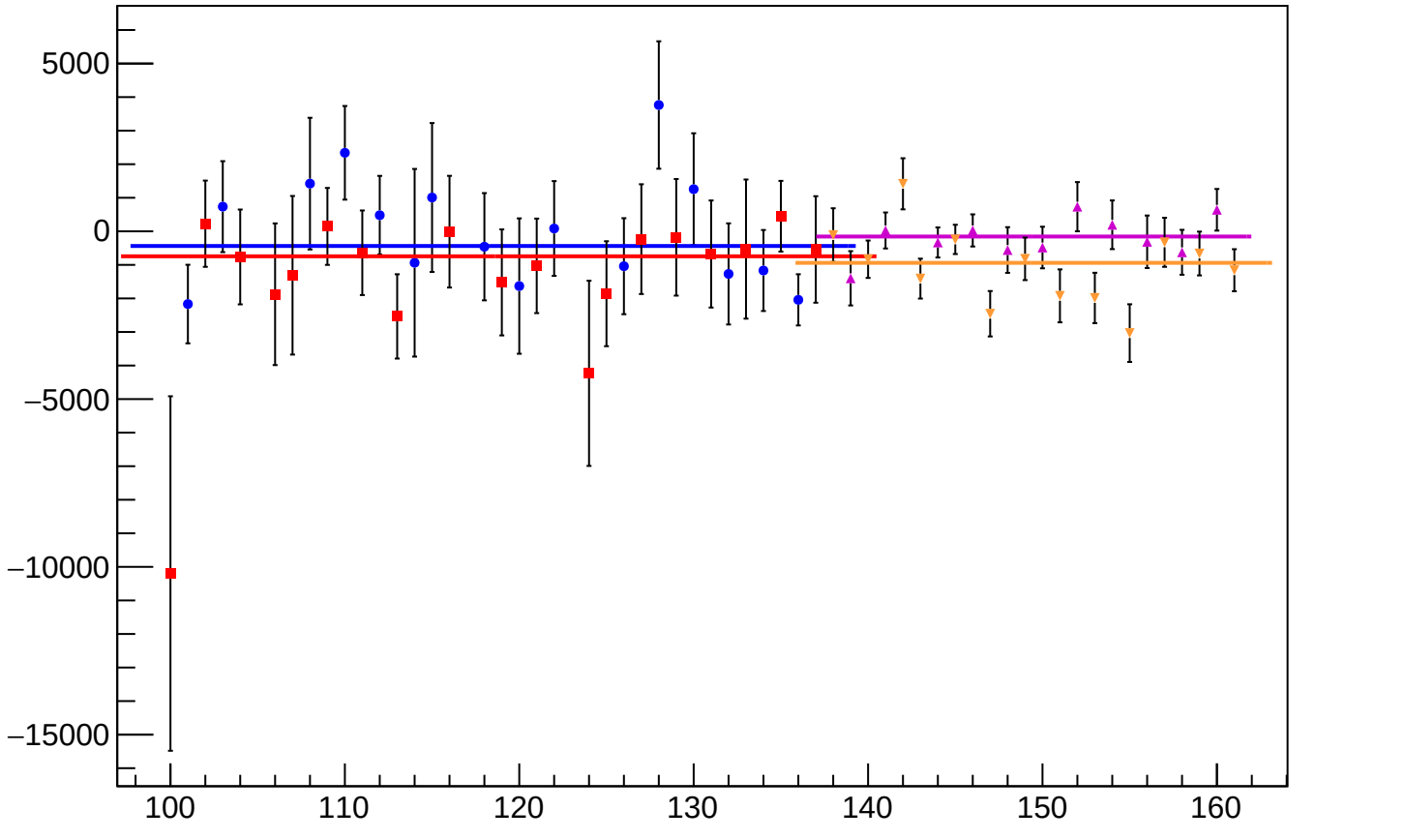
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.562+/-0.014 χ^2/NDF:144459.8/10

+ sign 63.483+/-0.011 χ^2/NDF: 743275.0/28

All: 63.641+/-0.008 χ^2/NDF: 1558410.5/58

- sign 63.807+/-0.011 χ^2/NDF: 814704.4/29



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -939.630+/-180.309 χ^2/NDF:29.4/12

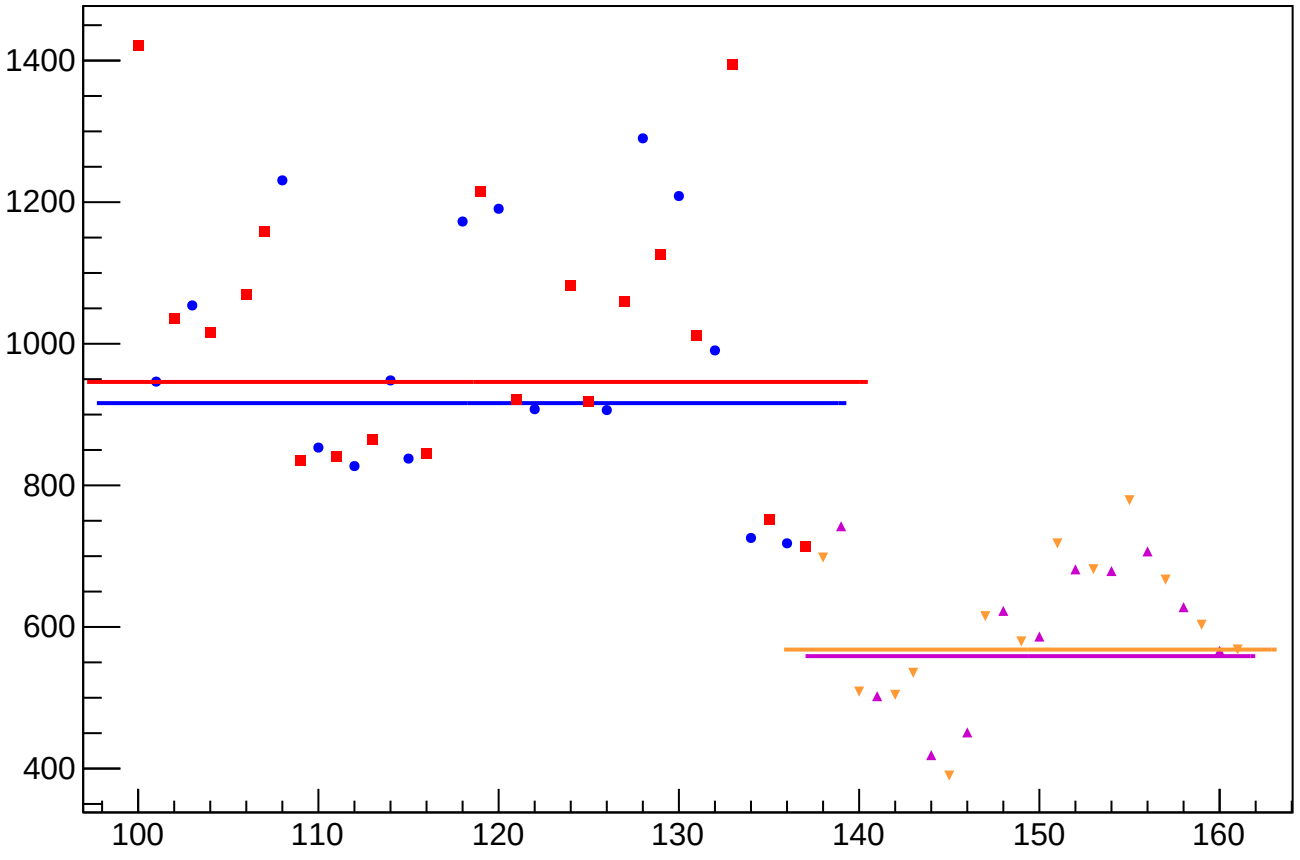
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -155.272+/-184.677 χ^2/NDF:7.3/10

+ sign -833.763+/-160.181 χ^2/NDF: 51.5/28

All: -563.649+/-114.484 χ^2/NDF: 77.7/58

- sign -281.590+/-163.685 χ^2/NDF: 20.3/29



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 568.070+/-0.127 χ^2/NDF:719554.9/12

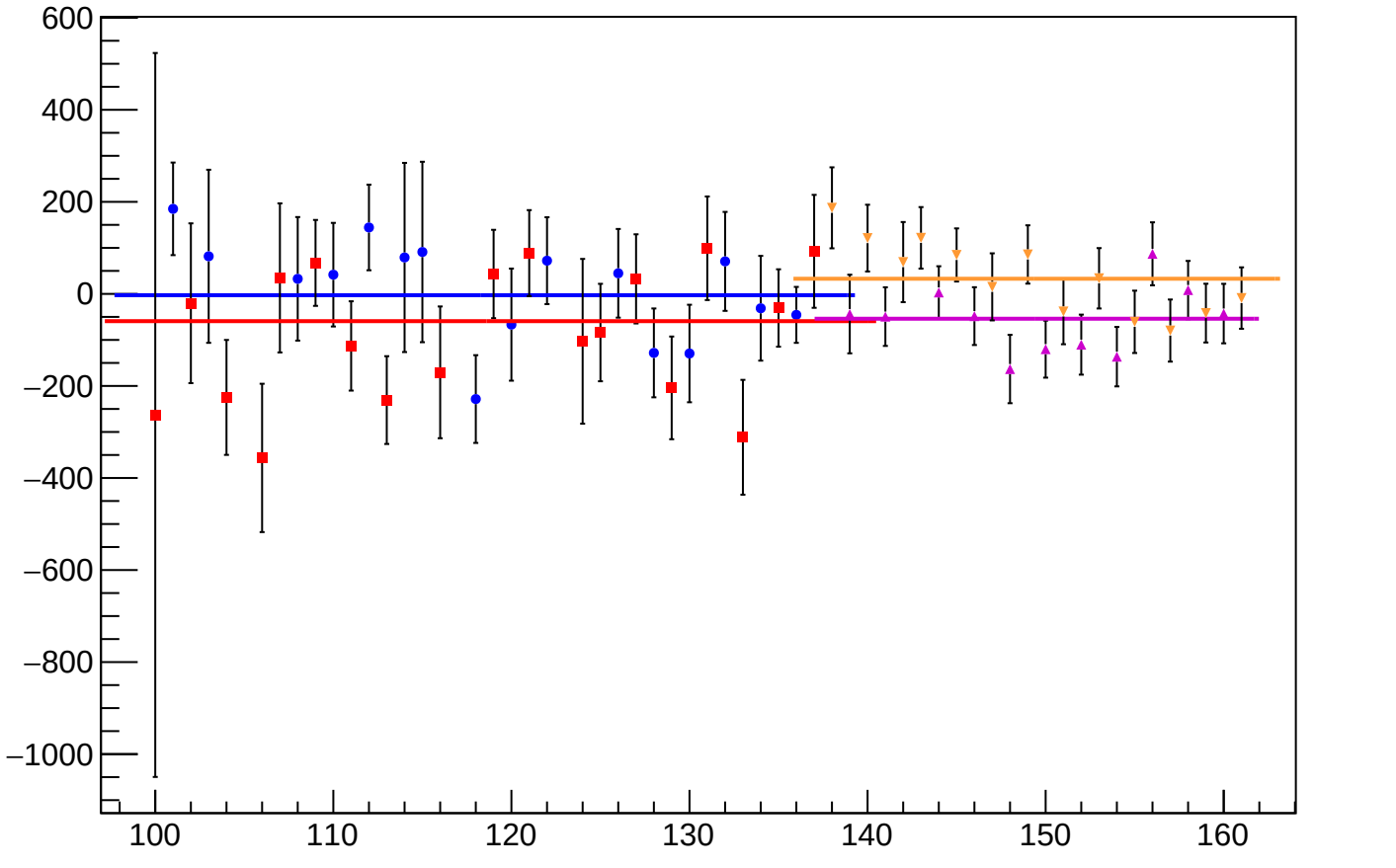
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 558.796+/-0.131 χ^2/NDF:646459.8/10

+ sign 641.450+/-0.113 χ^2/NDF: 2800078.5/28

All: 641.641+/-0.081 χ^2/NDF: 5738022.9/58

- sign 641.841+/-0.116 χ^2/NDF: 2937938.5/29



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 32.934+/-19.069 χ^2/NDF:15.5/12

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

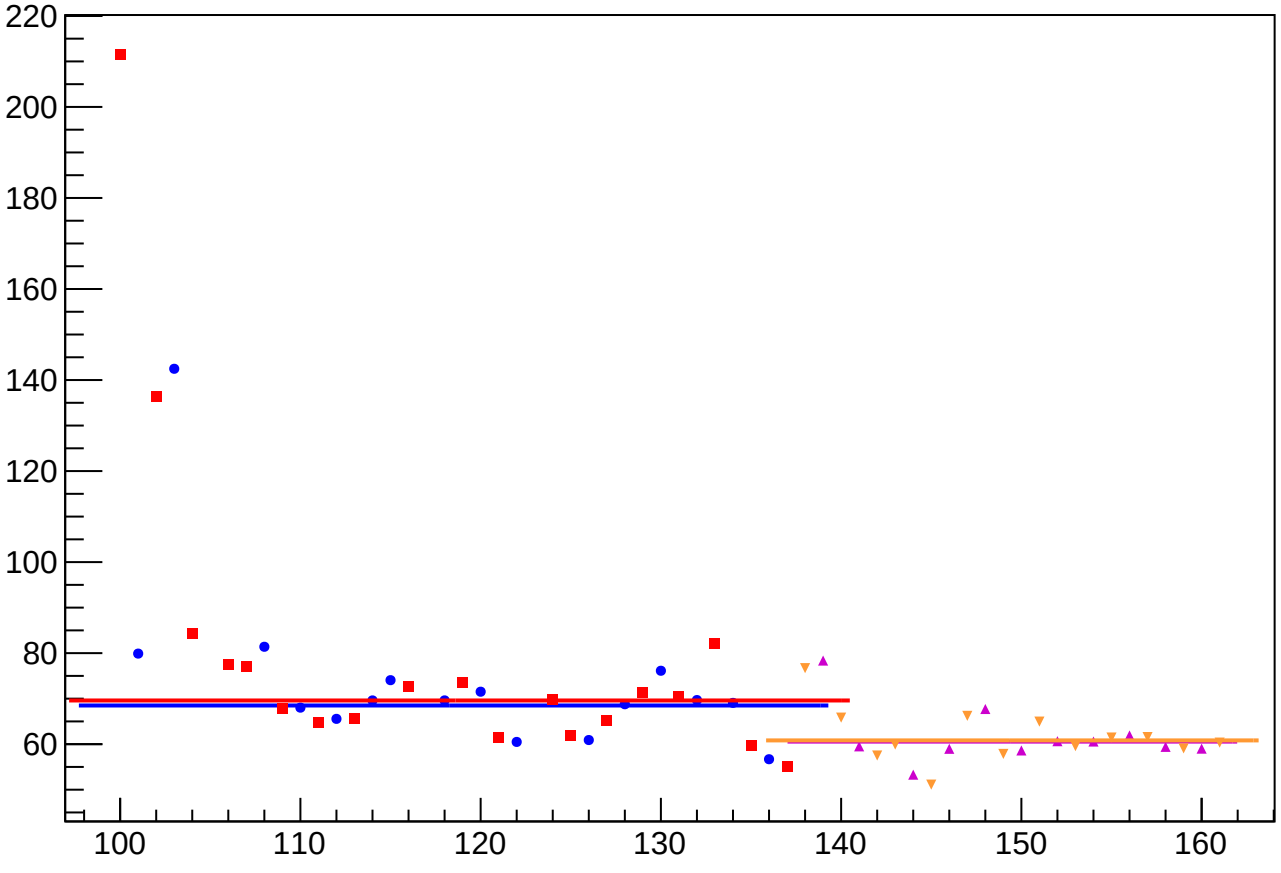
Left In: -53.952+/-19.745 χ^2/NDF:12.0/10

+ sign 20.577+/-15.420 χ^2/NDF: 34.4/28

All: -16.685+/-11.039 χ^2/NDF: 84.0/58

- sign -55.846+/-15.808 χ^2/NDF: 37.6/29

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.828+/-0.013 χ^2/NDF:159421.1/12

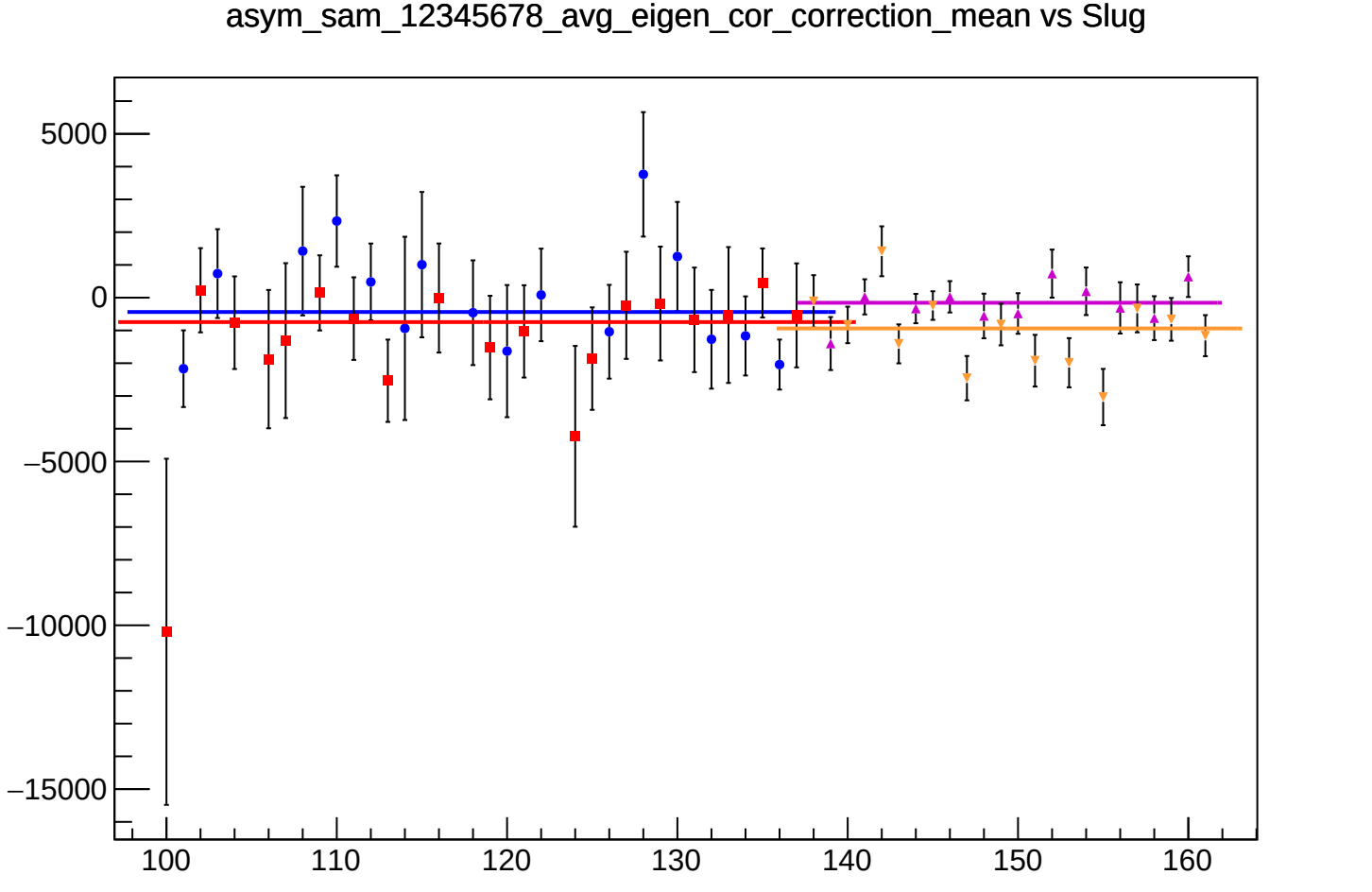
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.562+/-0.014 χ^2/NDF:144459.8/10

+ sign 63.483+/-0.011 χ^2/NDF: 743275.0/28

All: 63.641+/-0.008 χ^2/NDF: 1558410.5/58

- sign 63.807+/-0.011 χ^2/NDF: 814704.4/29



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -939.630+/-180.309 χ^2/NDF:29.4/12

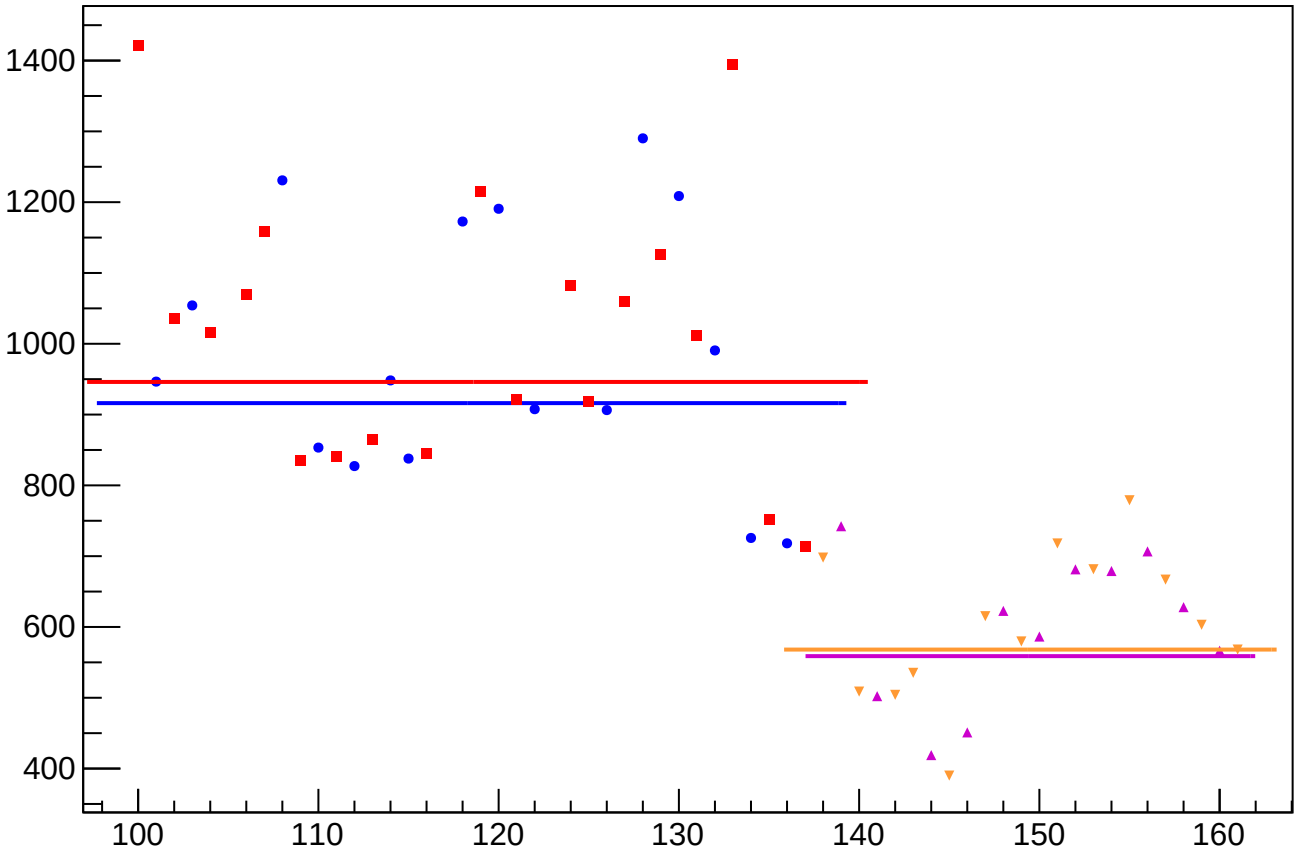
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -155.272+/-184.677 χ^2/NDF:7.3/10

+ sign -833.763+/-160.181 χ^2/NDF: 51.5/28

All: -563.649+/-114.484 χ^2/NDF: 77.7/58

- sign -281.590+/-163.685 χ^2/NDF: 20.3/29



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 568.070+/-0.127 χ^2/NDF:719554.9/12

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

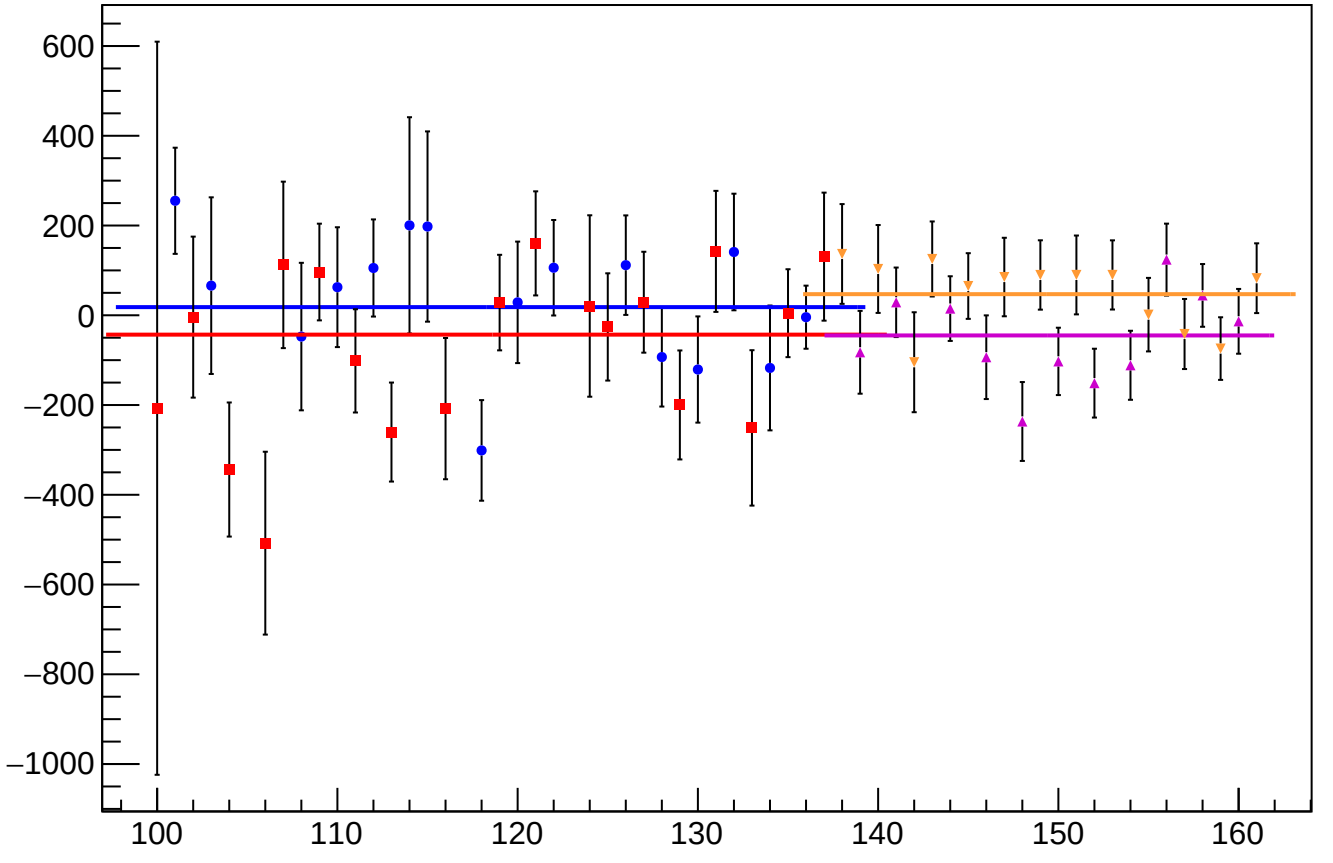
Left In: 558.796+/-0.131 χ^2/NDF:646459.8/10

+ sign 641.450+/-0.113 χ^2/NDF: 2800078.5/28

All: 641.641+/-0.081 χ^2/NDF: 5738022.9/58

- sign 641.841+/-0.116 χ^2/NDF: 2937938.5/29

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 47.047+/-23.089 χ^2/NDF:9.7/12

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

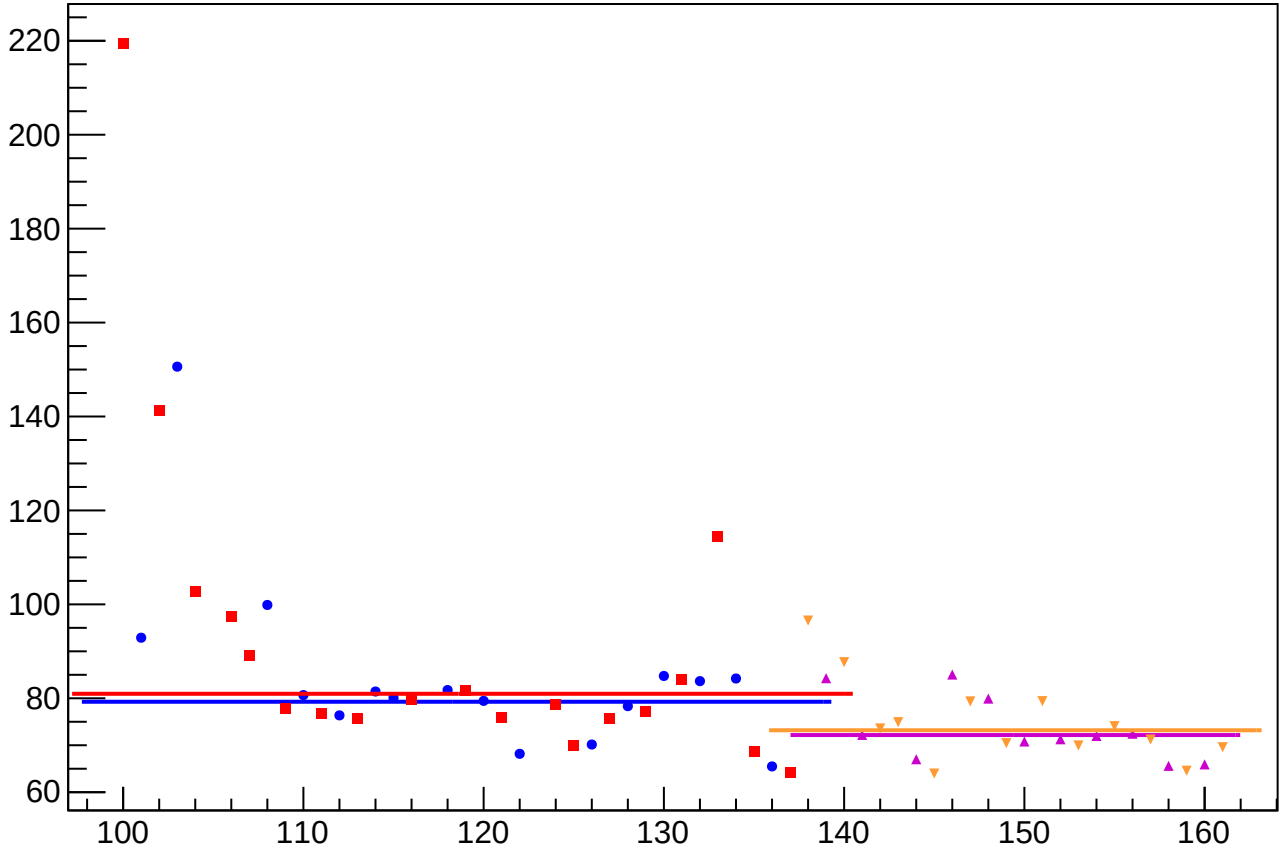
Left In: -44.928+/-23.636 χ^2/NDF:16.3/10

+ sign 36.461+/-18.375 χ^2/NDF: 30.4/28

All: -3.130+/-13.117 χ^2/NDF: 83.9/58

- sign -44.265+/-18.730 χ^2/NDF: 44.0/29

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.192+/-0.016 χ^2/NDF:227000.9/12

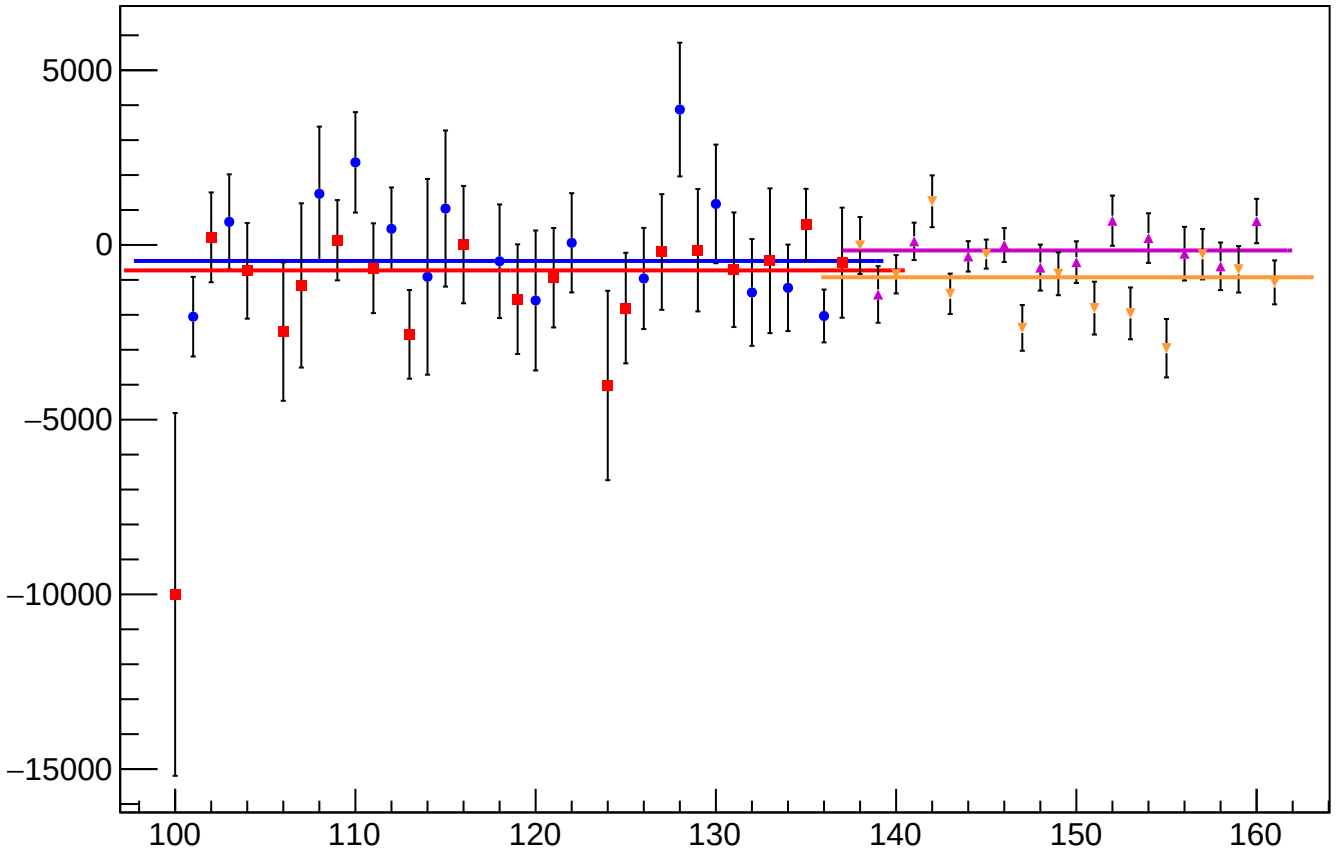
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.173+/-0.017 χ^2/NDF:131982.7/10

+ sign 75.418+/-0.013 χ^2/NDF: 722654.1/28

All: 75.429+/-0.009 χ^2/NDF: 1471628.4/58

- sign 75.441+/-0.013 χ^2/NDF: 748972.7/29



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -924.763+/-176.376 χ^2/NDF:28.2/12

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

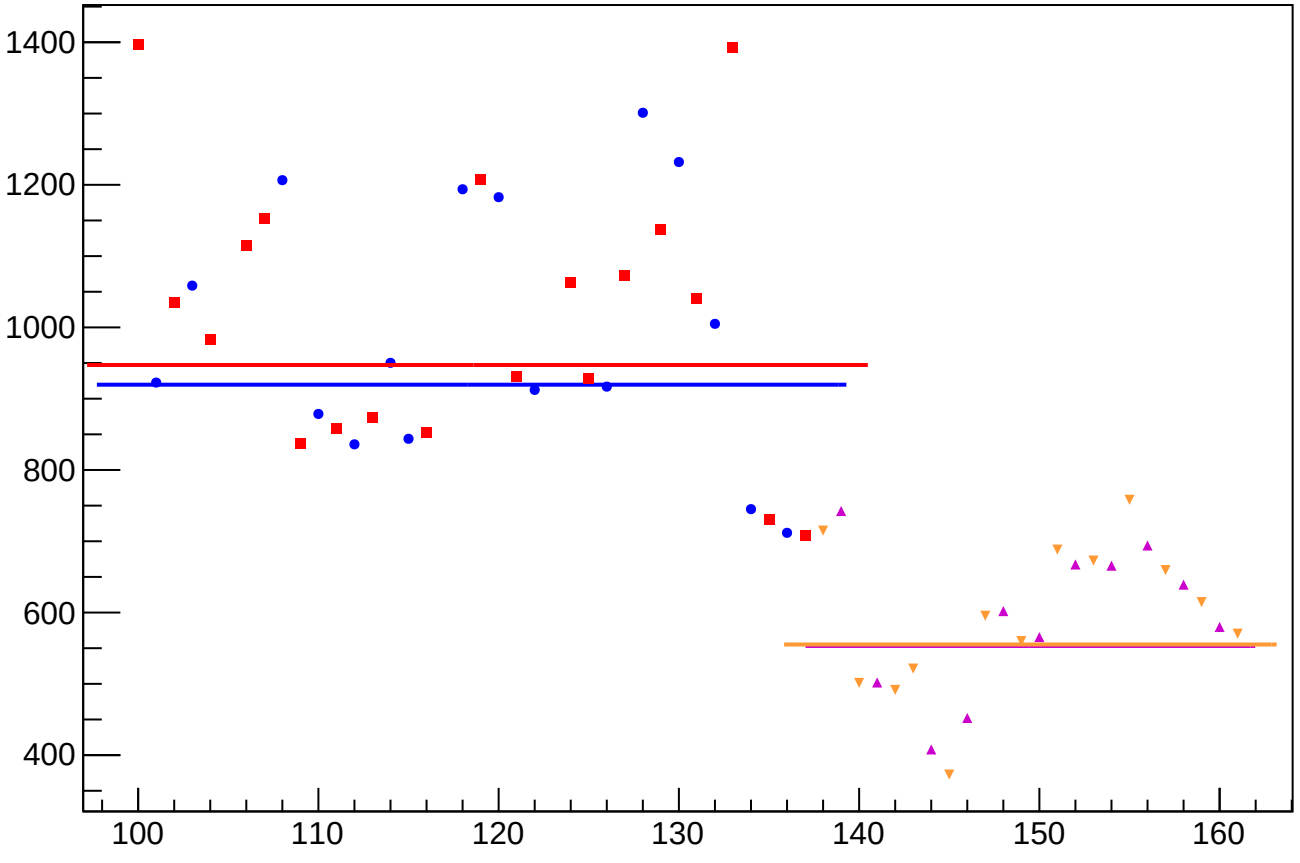
Left In: -157.811+/-182.940 χ^2/NDF:7.7/10

+ sign -830.289+/-157.514 χ^2/NDF: 49.9/28

All: -562.994+/-113.061 χ^2/NDF: 77.1/58

- sign -278.918+/-162.383 χ^2/NDF: 21.2/29

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 555.224+/-0.125 χ^2/NDF:801240.2/12

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

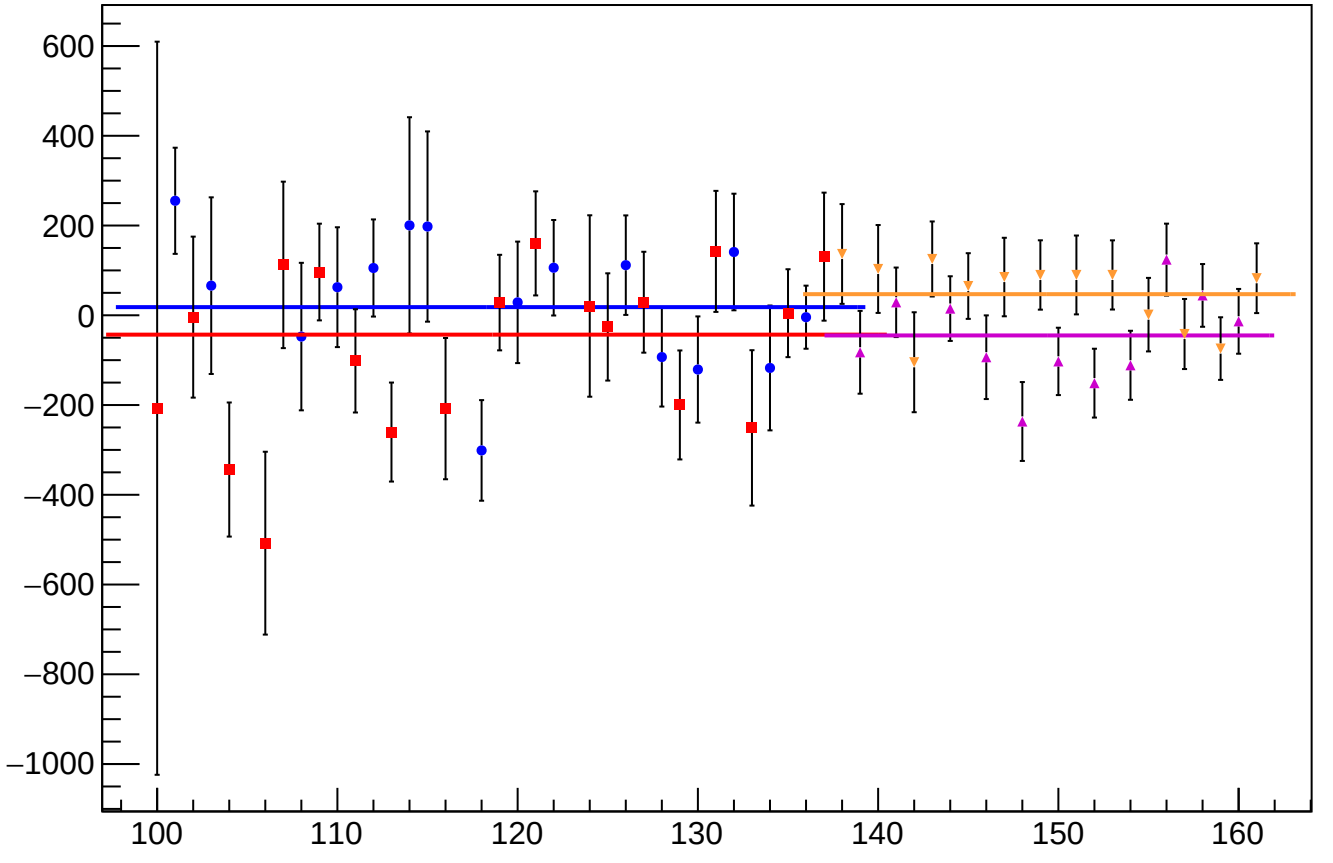
Left In: 553.141+/-0.129 χ^2/NDF:651665.4/10

+ sign 628.999+/-0.111 χ^2/NDF: 3045134.8/28

All: 632.753+/-0.080 χ^2/NDF: 6093829.7/58

- sign 636.743+/-0.115 χ^2/NDF: 3046351.3/29

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 47.048+/-23.090 χ^2/NDF:9.7/12

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

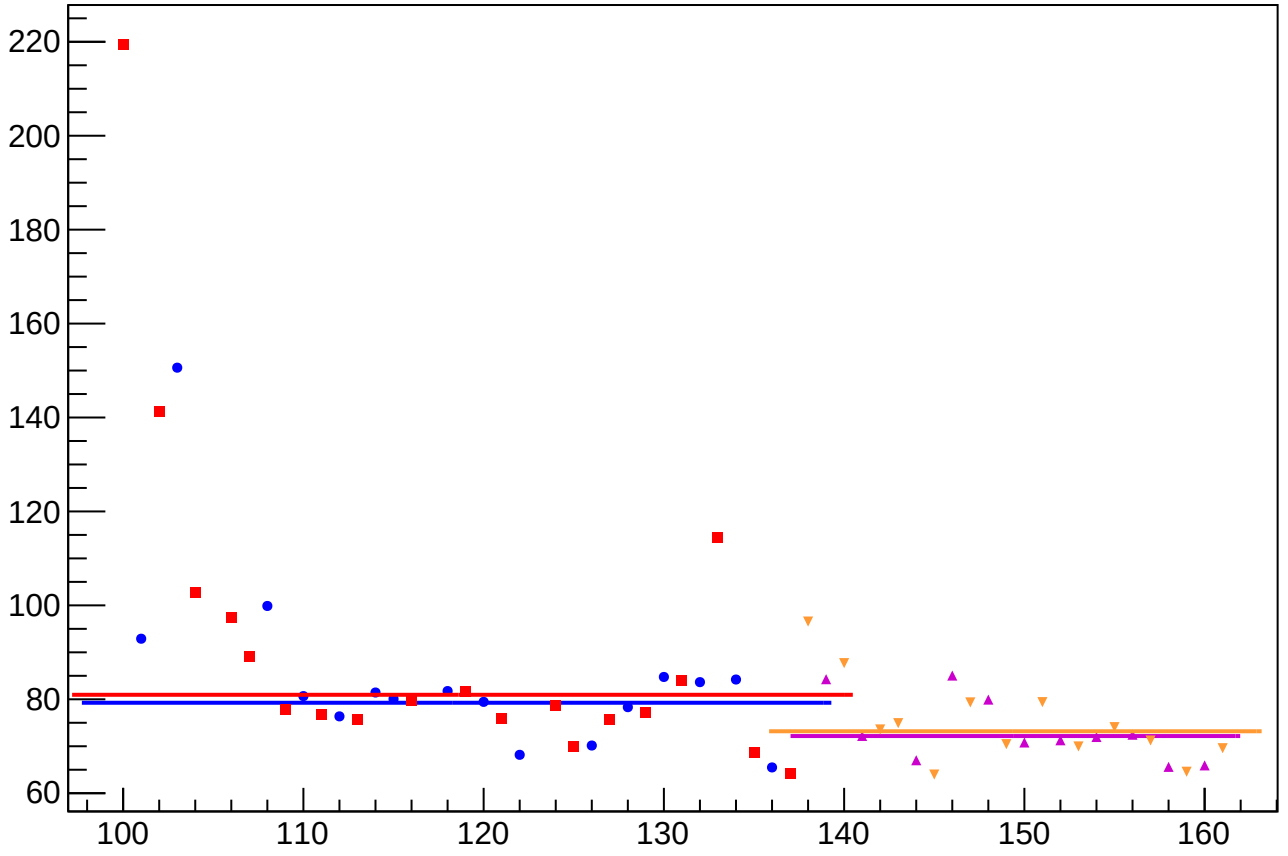
Left In: -44.927+/-23.636 χ^2/NDF:16.3/10

+ sign 36.462+/-18.375 χ^2/NDF: 30.4/28

All: -3.129+/-13.117 χ^2/NDF: 83.9/58

- sign -44.263+/-18.730 χ^2/NDF: 44.0/29

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.192+/-0.016 χ^2/NDF:226998.9/12

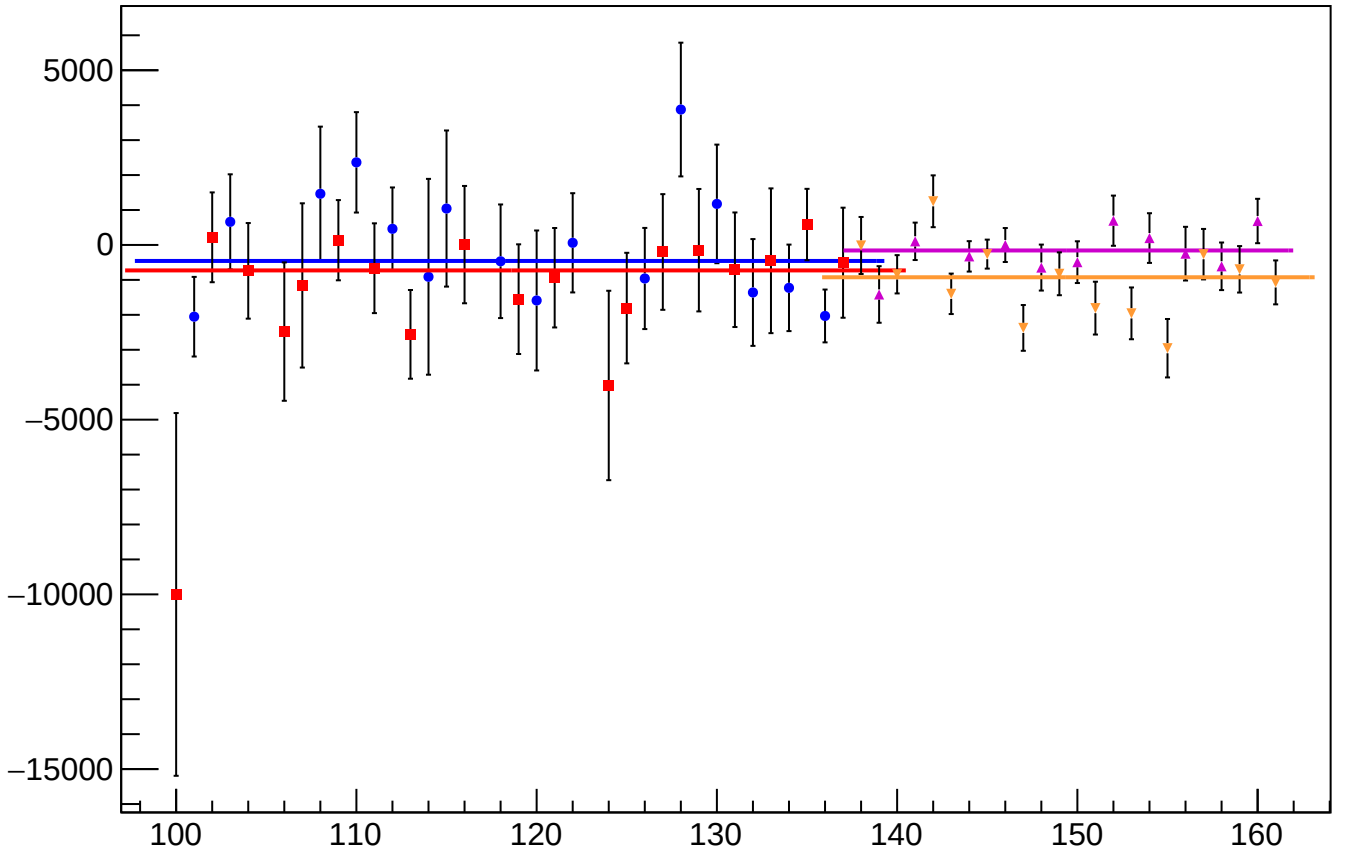
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.173+/-0.017 χ^2/NDF:131986.5/10

+ sign 75.418+/-0.013 χ^2/NDF: 722640.6/28

All: 75.429+/-0.009 χ^2/NDF: 1471617.4/58

- sign 75.441+/-0.013 χ^2/NDF: 748975.2/29



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -924.762+/-176.375 χ^2/NDF:28.2/12

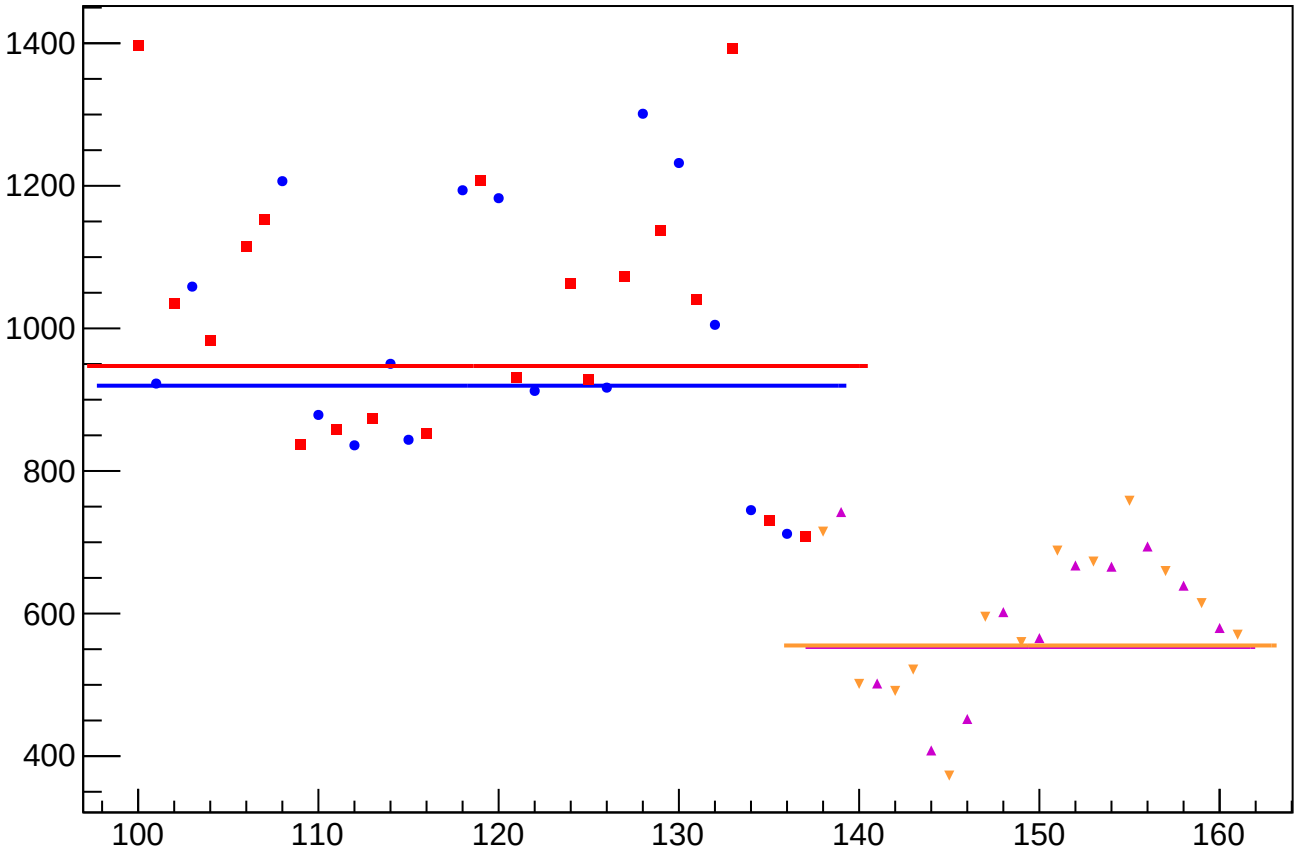
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -157.810+/-182.940 χ^2/NDF:7.7/10

+ sign -830.288+/-157.513 χ^2/NDF: 49.9/28

All: -562.993+/-113.061 χ^2/NDF: 77.1/58

- sign -278.917+/-162.382 χ^2/NDF: 21.2/29



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 555.223+/-0.125 χ^2/NDF:801244.2/12

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

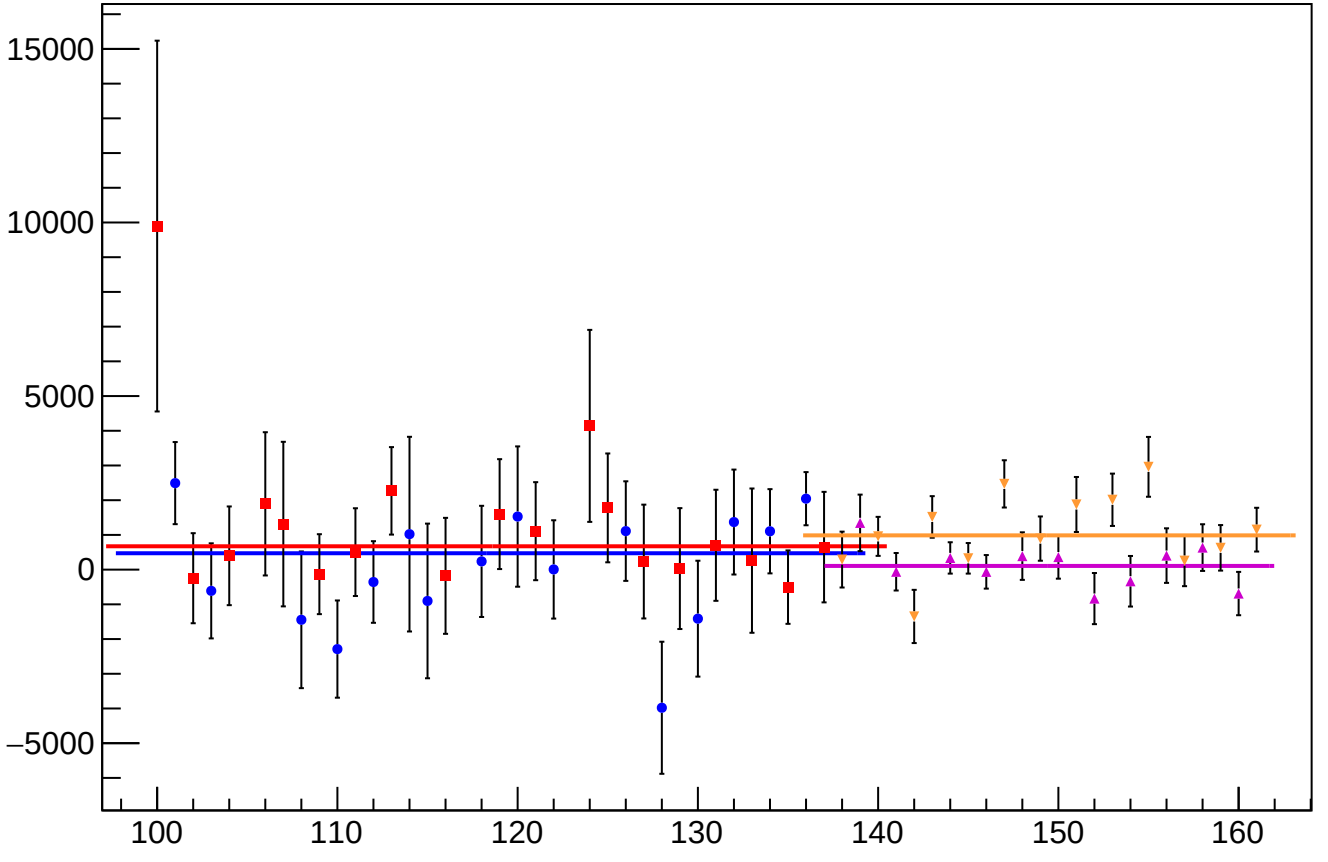
Left In: 553.140+/-0.129 χ^2/NDF:651664.2/10

+ sign 628.998+/-0.111 χ^2/NDF: 3045136.4/28

All: 632.752+/-0.080 χ^2/NDF: 6093824.7/58

- sign 636.742+/-0.115 χ^2/NDF: 3046344.5/29

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 987.011+/-181.436 χ^2/NDF:27.6/12

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

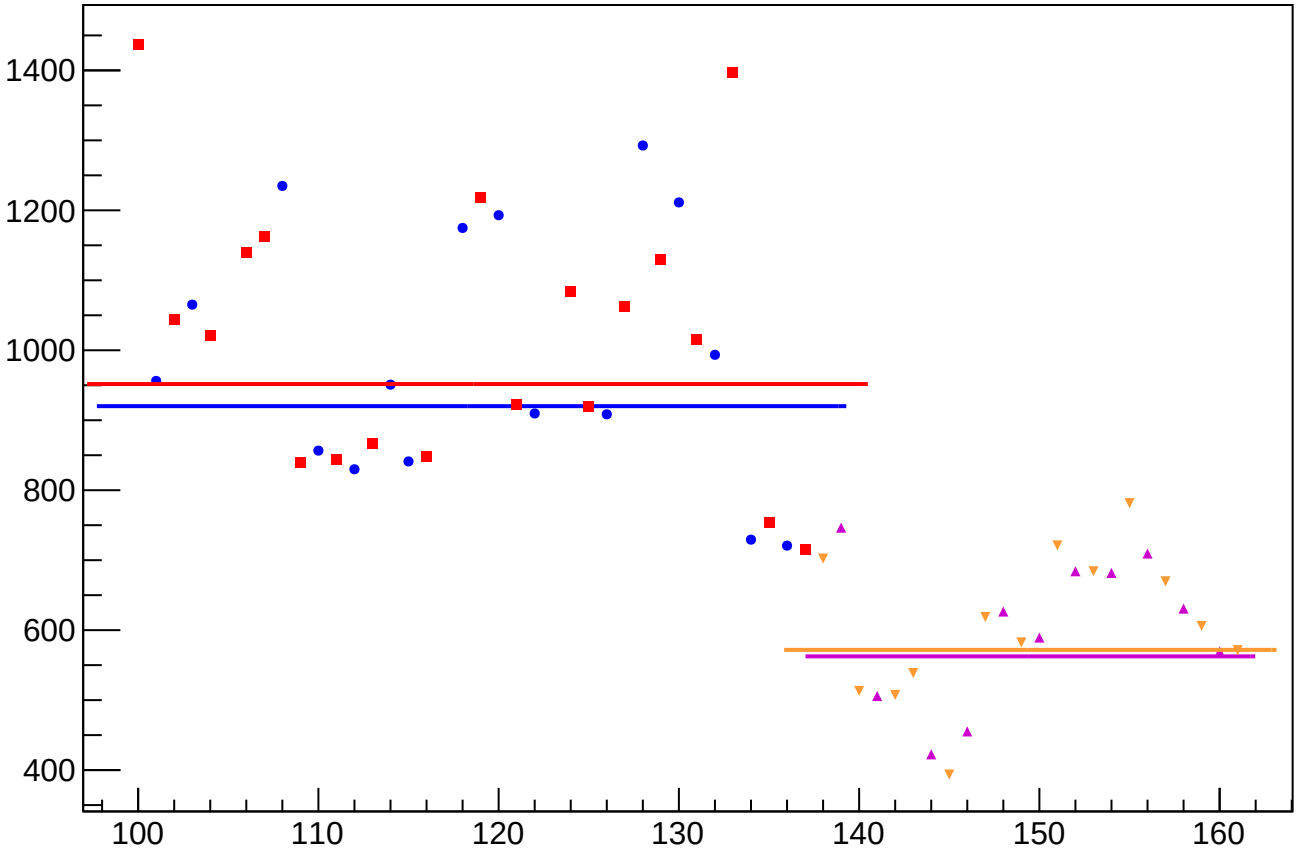
Left In: 106.696+/-185.855 χ^2/NDF:7.5/10

+ sign 878.115+/-161.116 χ^2/NDF: 50.7/28

All: 560.359+/-115.140 χ^2/NDF: 78.5/58

- sign 228.686+/-164.606 χ^2/NDF: 19.8/29

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 571.796+/-0.128 χ^2/NDF:707286.5/12

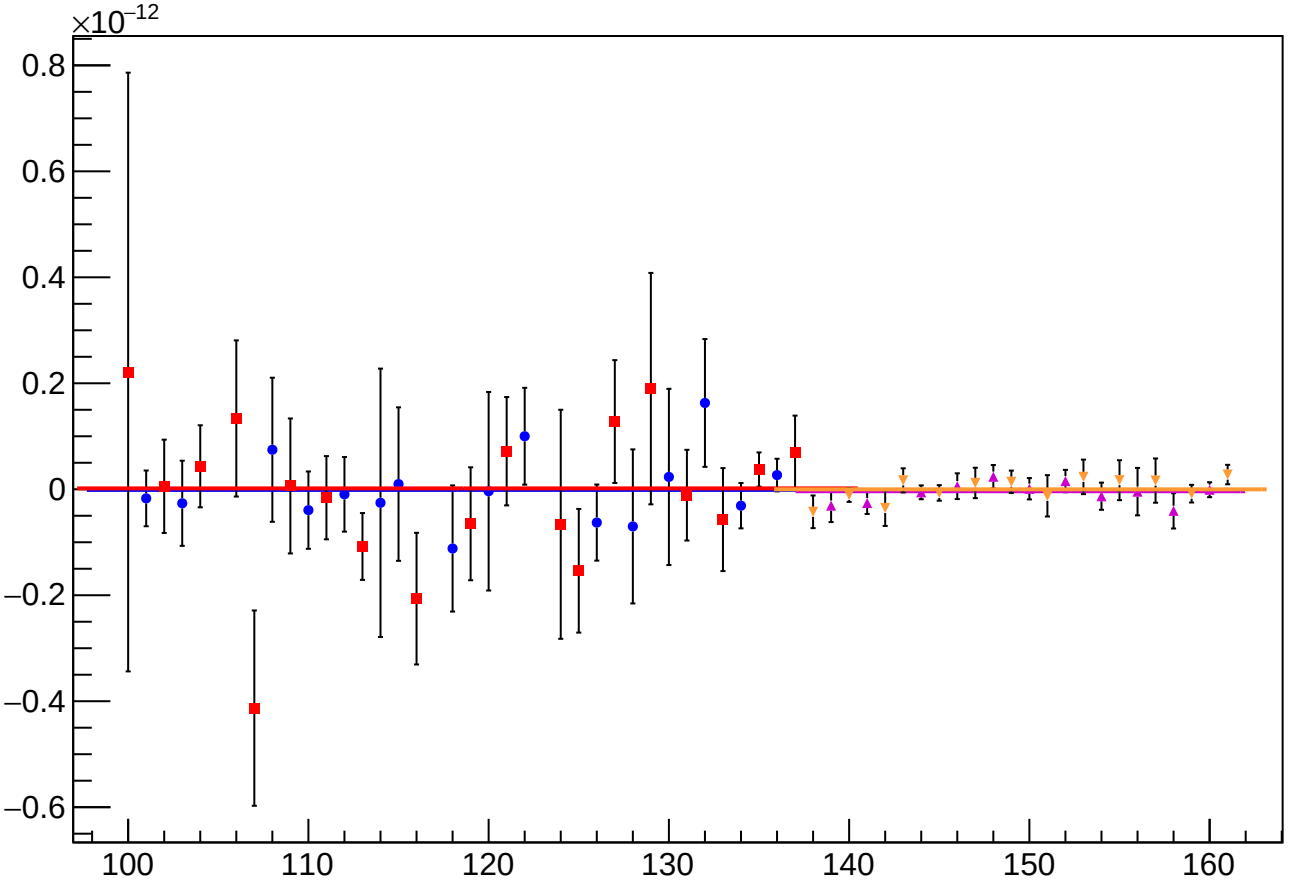
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 562.548+/-0.131 χ^2/NDF:635066.0/10

\+ sign 645.450+/-0.114 χ^2/NDF: 2774694.2/28

All: 645.940+/-0.081 χ^2/NDF: 5716550.2/58

\- sign 646.451+/-0.116 χ^2/NDF: 2941818.3/29



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.6/12

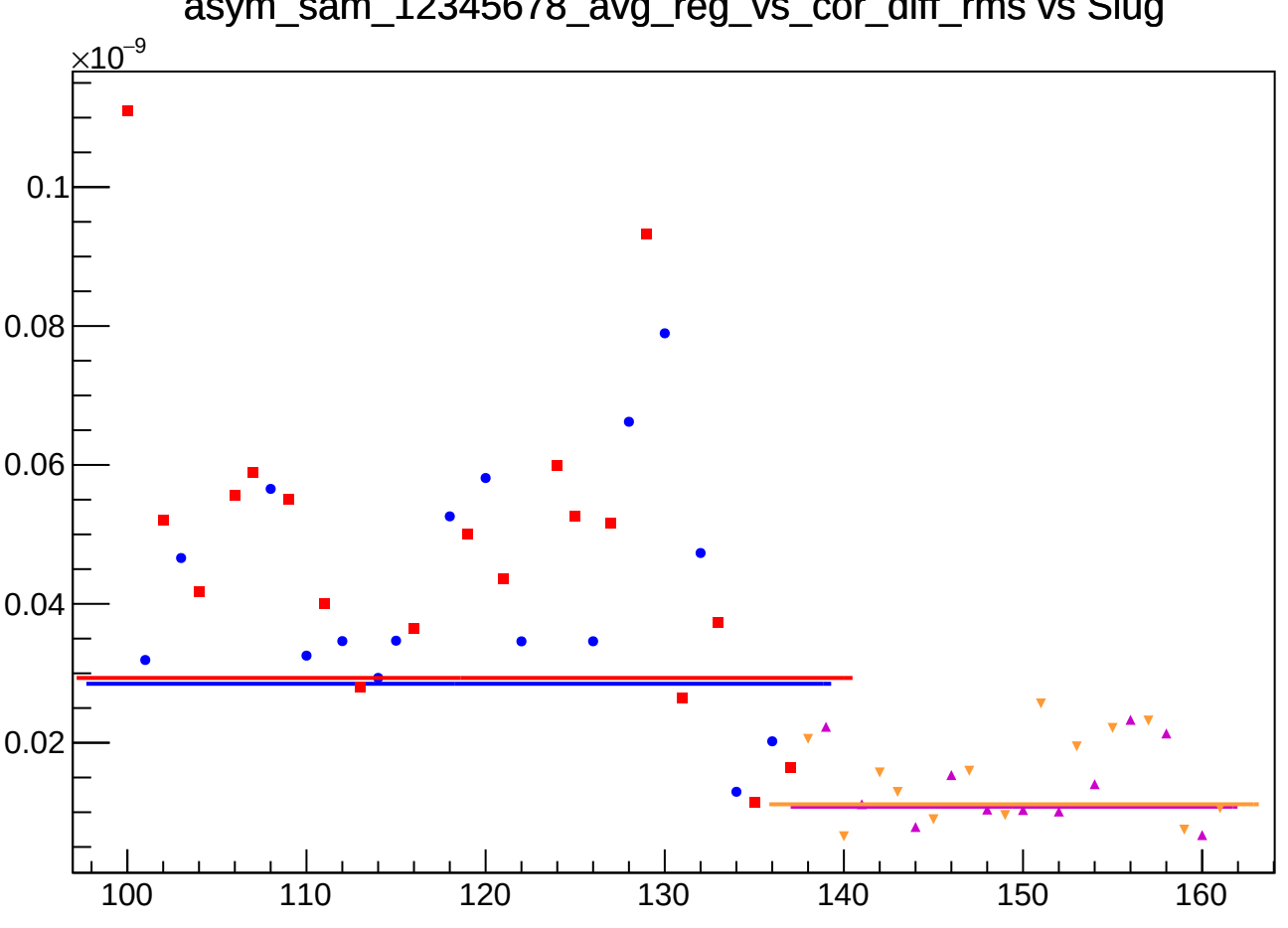
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 15.6/28

All: -0.000+/-0.000 χ^2/NDF: 41.2/58

- sign -0.000+/-0.000 χ^2/NDF: 25.4/29



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1437022.6/12

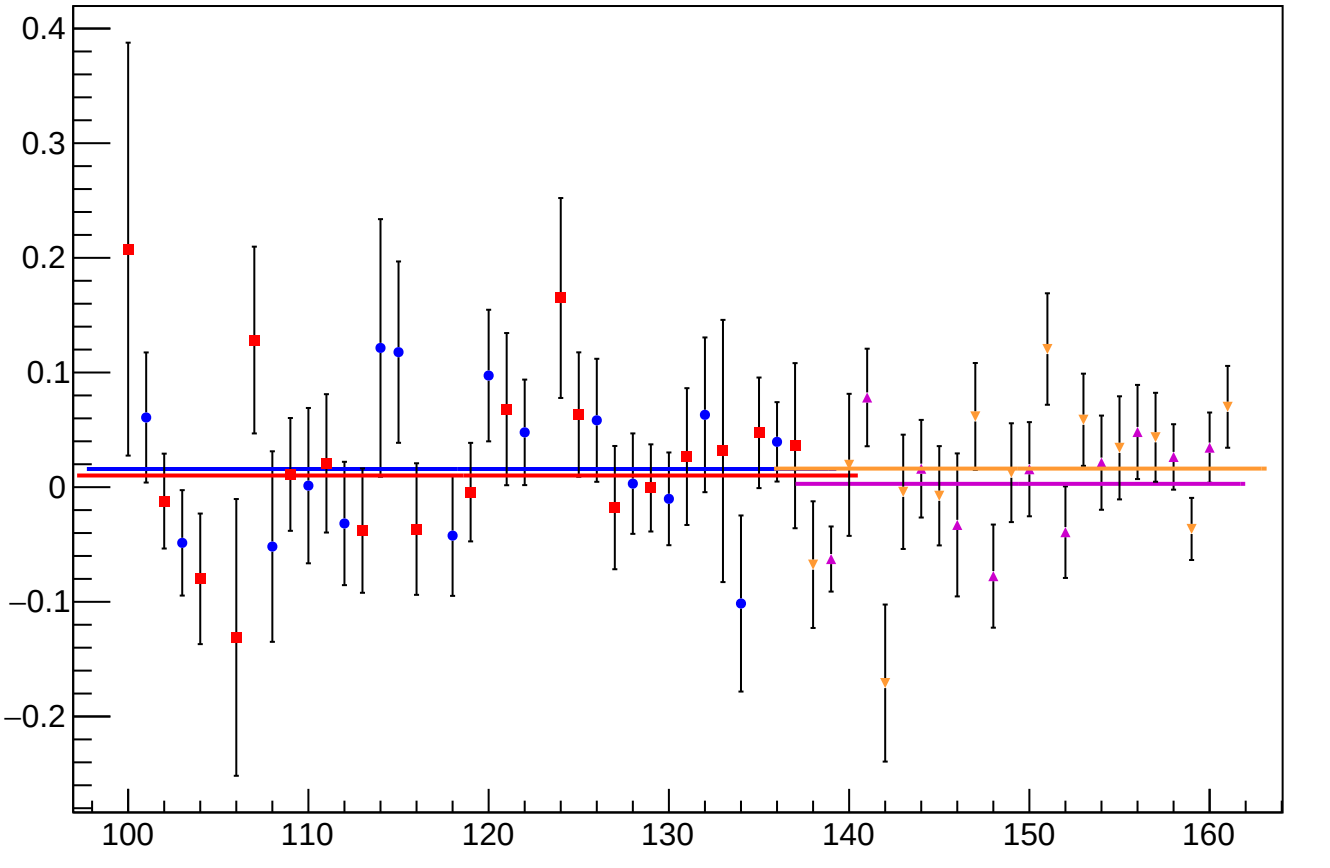
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

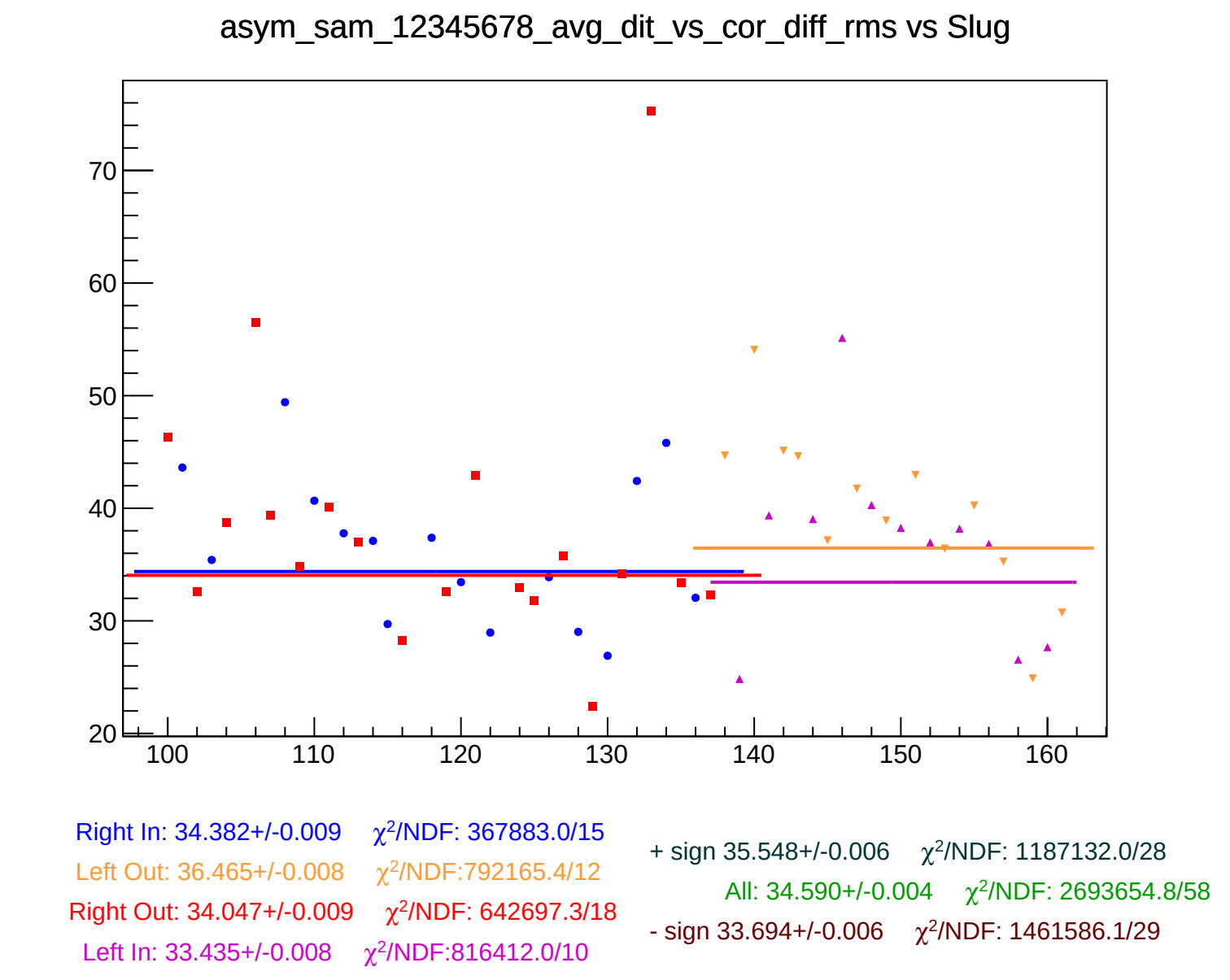
Left In: 0.000+/-0.000 χ^2/NDF:1004452.4/10

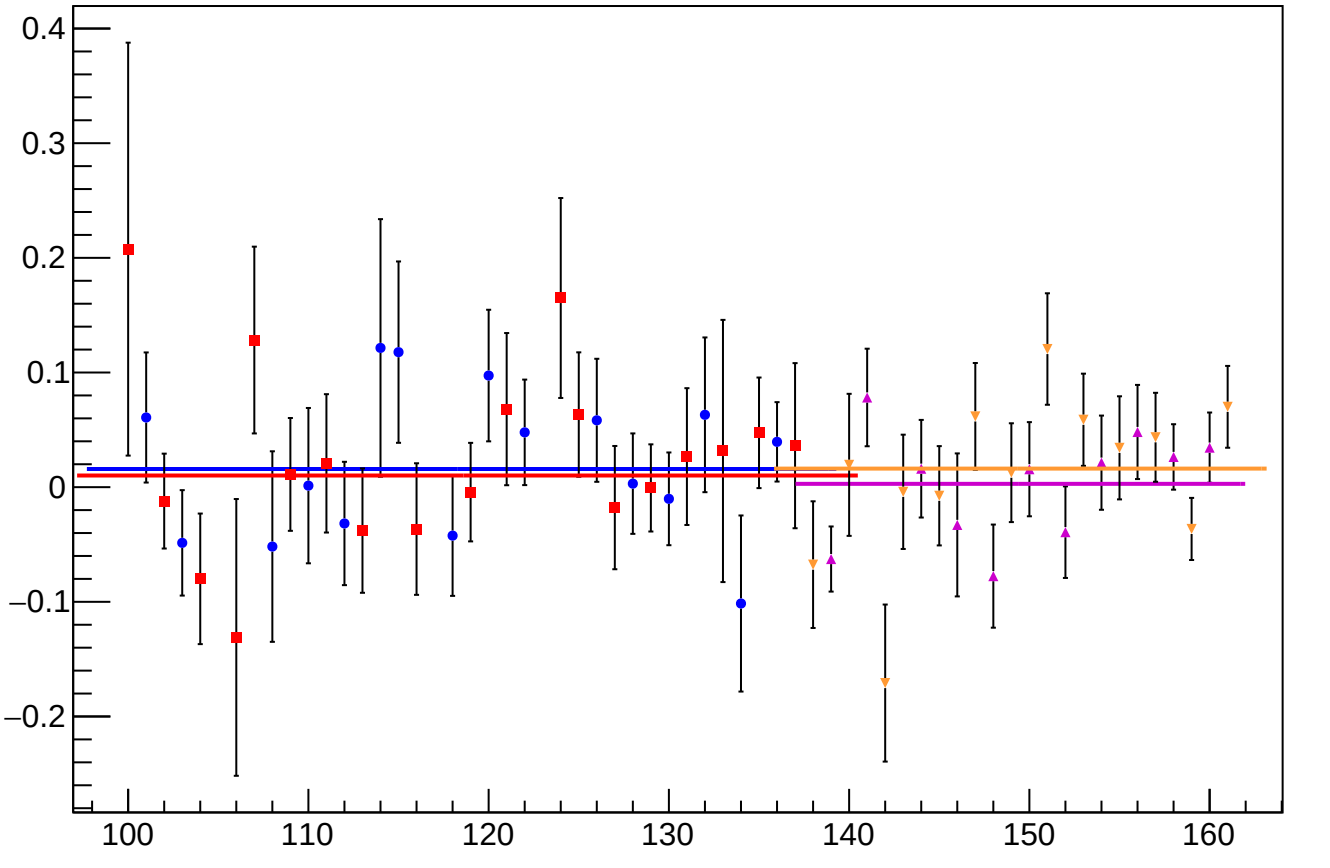
+ sign 0.000+/-0.000 χ^2/NDF: 4308032.0/28

All: 0.000+/-0.000 χ^2/NDF: 8640179.2/58

- sign 0.000+/-0.000 χ^2/NDF: 4327380.2/29


asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.016+/-0.012 χ²/NDF:23.6/12
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.003+/-0.011 χ²/NDF:16.5/10
+ sign 0.016+/-0.009 χ²/NDF: 38.4/28
All: 0.011+/-0.006 χ²/NDF: 70.8/58
- sign 0.006+/-0.009 χ²/NDF: 31.8/29


asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.382+/-0.009 χ²/NDF: 367883.0/15
Left Out: 36.465+/-0.008 χ²/NDF:792165.4/12
Right Out: 34.047+/-0.009 χ²/NDF: 642697.3/18
Left In: 33.435+/-0.008 χ²/NDF:816412.0/10
+ sign 35.548+/-0.006 χ²/NDF: 1187132.0/28
All: 34.590+/-0.004 χ²/NDF: 2693654.8/58
- sign 33.694+/-0.006 χ²/NDF: 1461586.1/29



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.016+/-0.012 χ^2/NDF:23.6/12

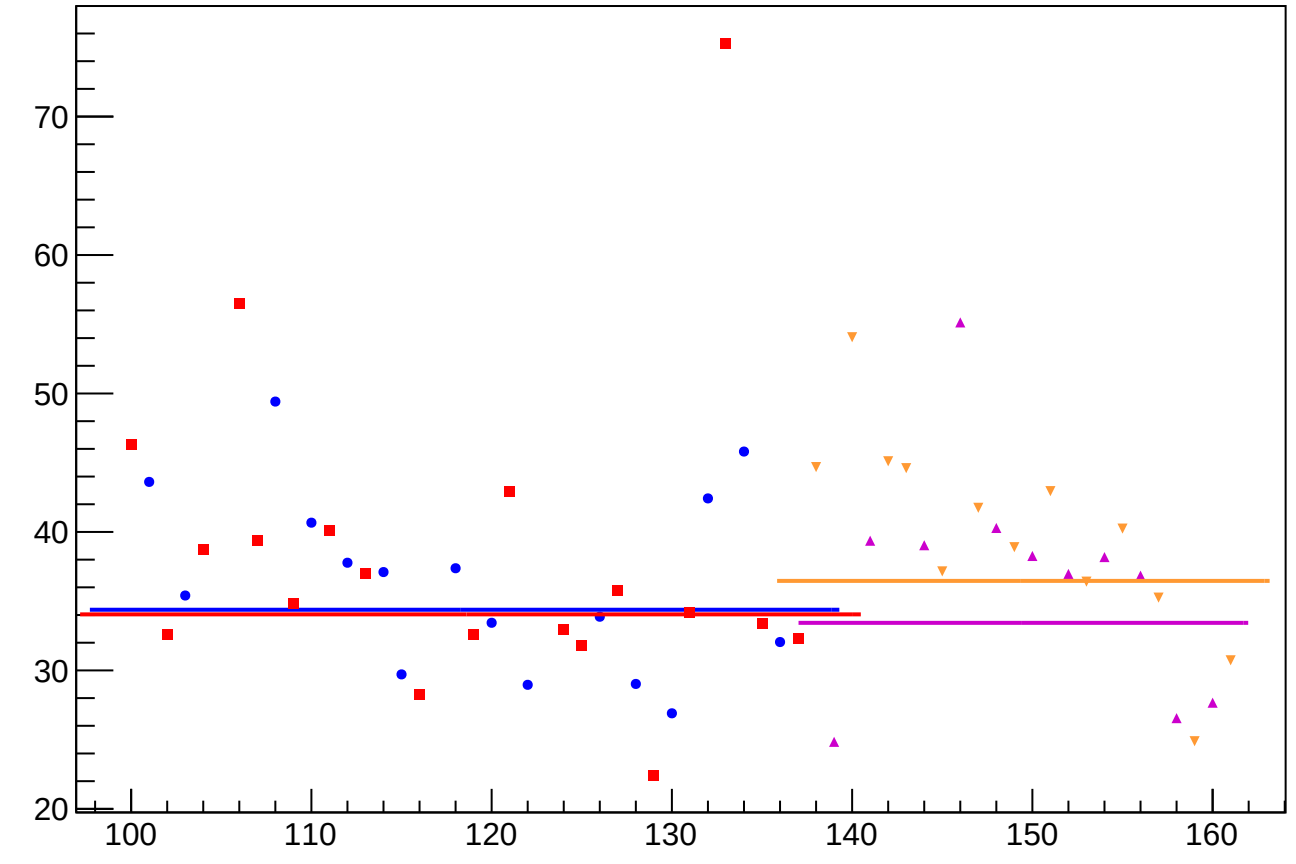
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.011 χ^2/NDF:16.5/10

+ sign 0.016+/-0.009 χ^2/NDF: 38.4/28

All: 0.011+/-0.006 χ^2/NDF: 70.8/58

- sign 0.006+/-0.009 χ^2/NDF: 31.8/29



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.465+/-0.008 χ^2/NDF:792165.4/12

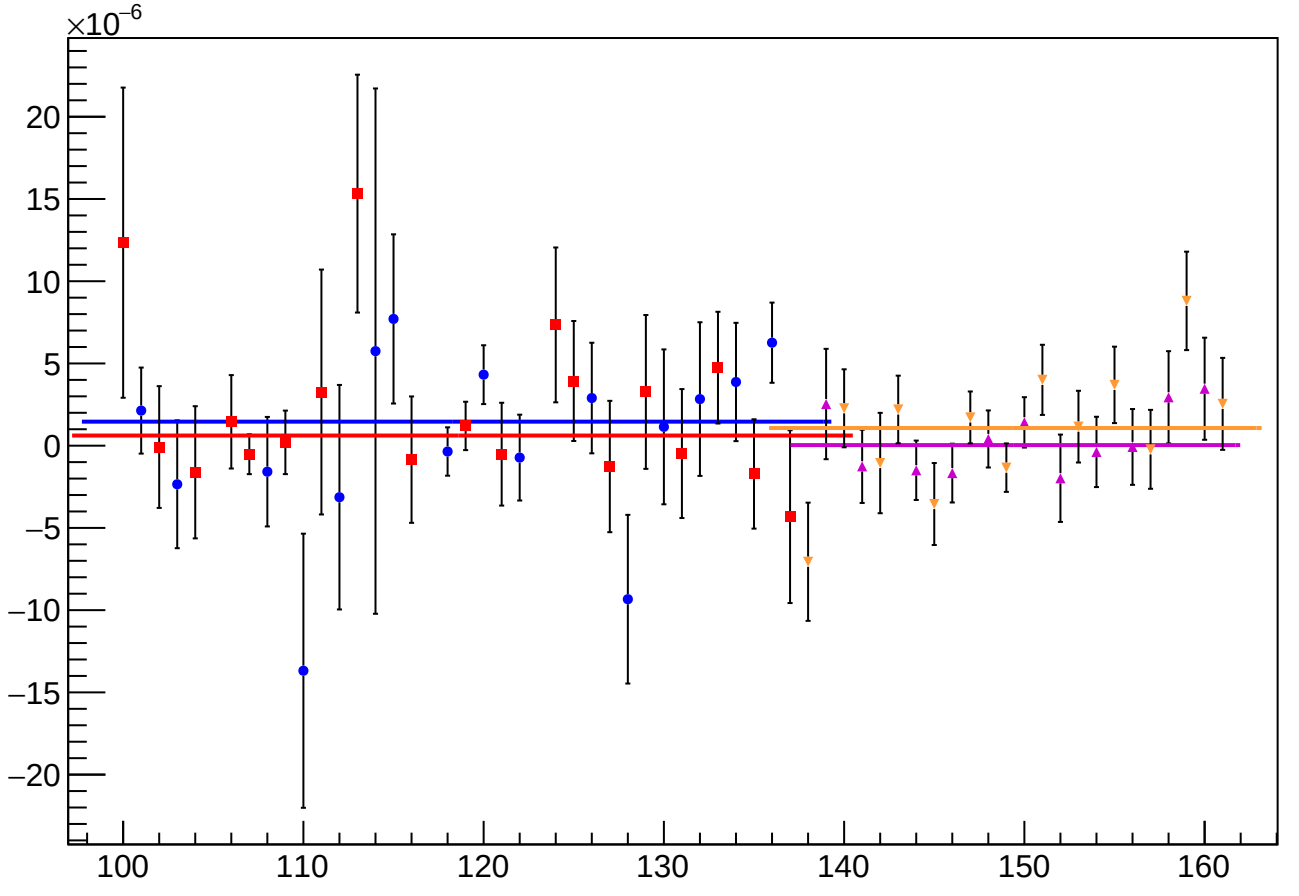
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.435+/-0.008 χ^2/NDF:816412.0/10

+ sign 35.548+/-0.006 χ^2/NDF: 1187132.0/28

All: 34.590+/-0.004 χ^2/NDF: 2693654.8/58

- sign 33.694+/-0.006 χ^2/NDF: 1461586.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/12

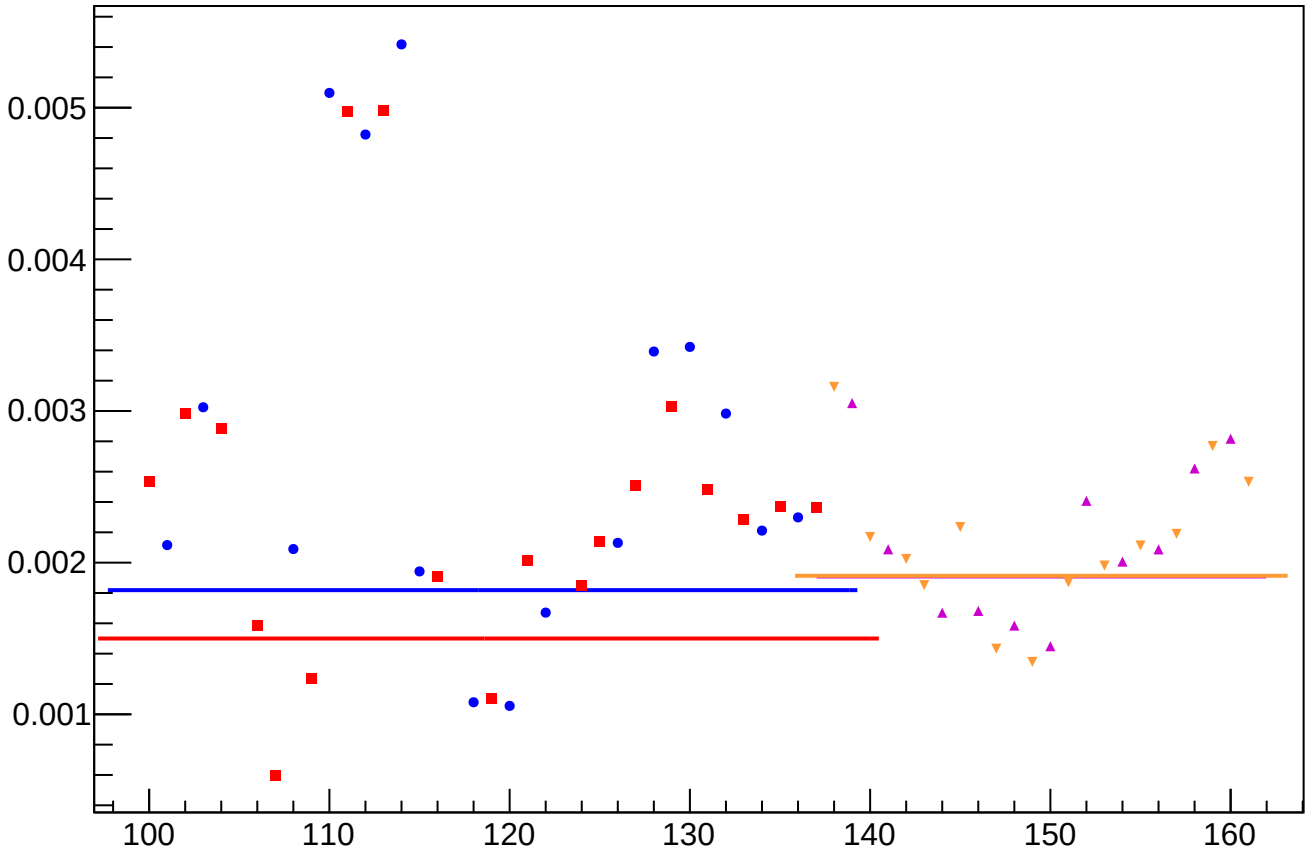
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/28

All: 0.000+/-0.000 χ^2/NDF: 66.5/58

- sign 0.000+/-0.000 χ^2/NDF: 20.6/29



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1090412.3/12

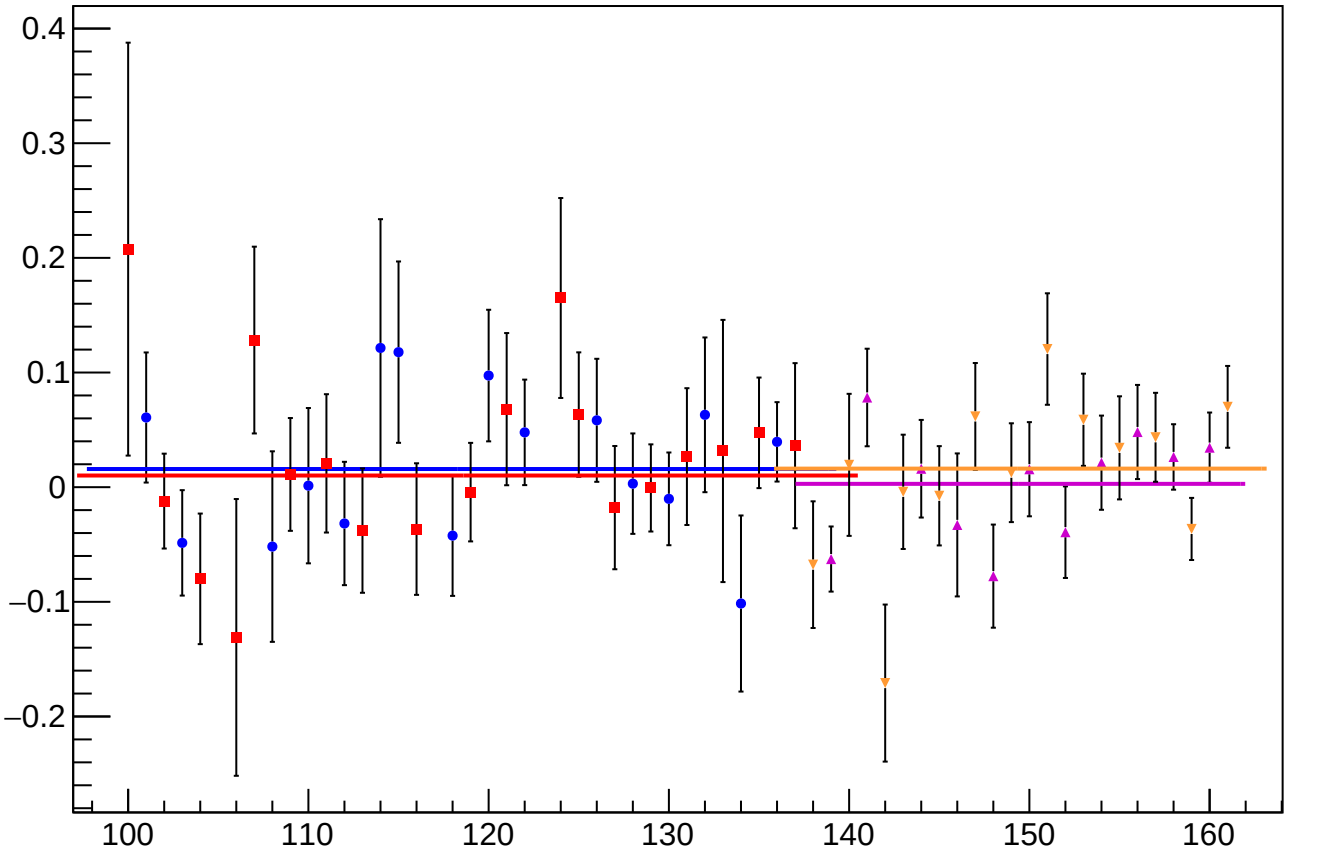
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:949749.4/10

+ sign 0.002+/-0.000 χ^2/NDF: 3679734.1/28

All: 0.002+/-0.000 χ^2/NDF: 8856164.1/58

- sign 0.002+/-0.000 χ^2/NDF: 5044619.2/29



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.016+/-0.012 χ^2/NDF:23.6/12

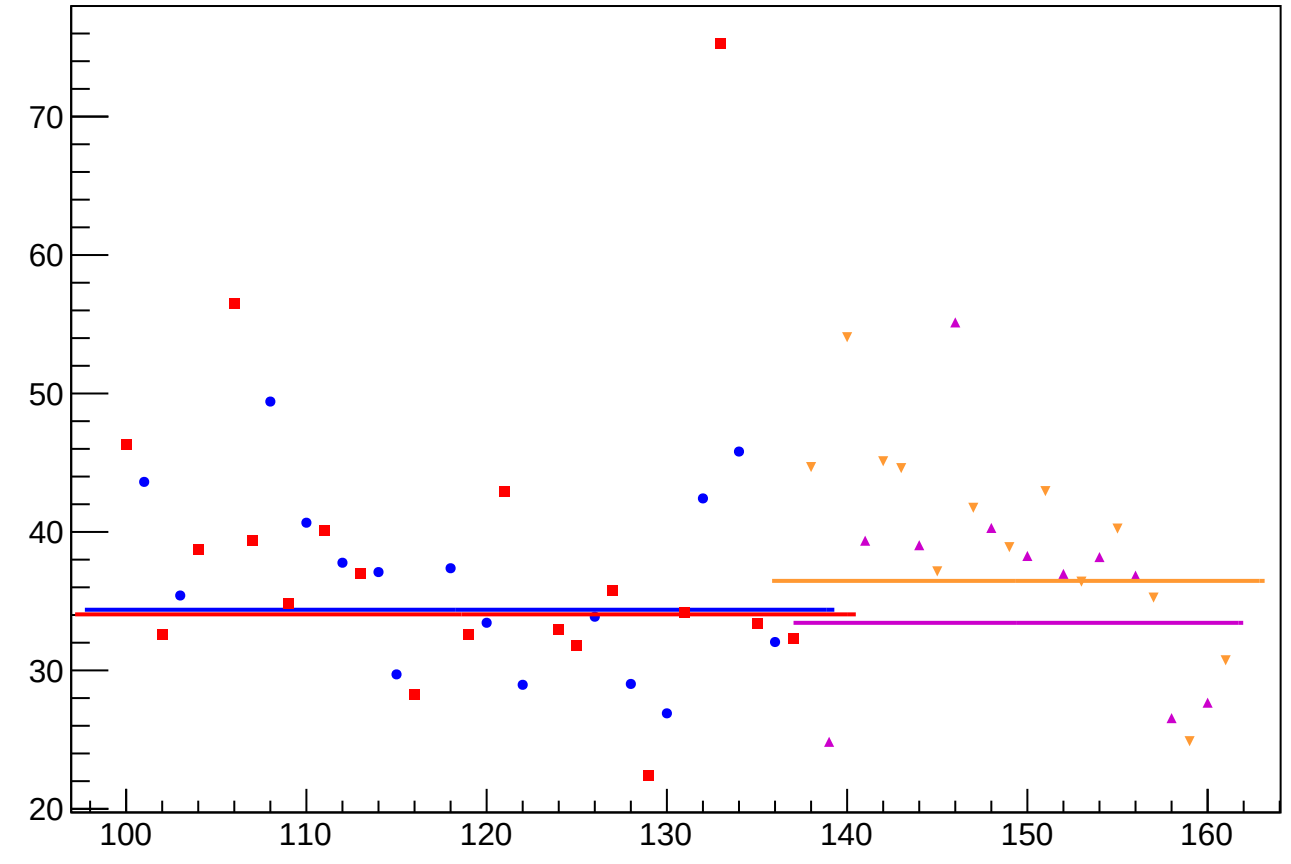
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.011 χ^2/NDF:16.5/10

+ sign 0.016+/-0.009 χ^2/NDF: 38.4/28

All: 0.011+/-0.006 χ^2/NDF: 70.8/58

- sign 0.006+/-0.009 χ^2/NDF: 31.8/29



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.466+/-0.008 χ^2/NDF:792233.6/12

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

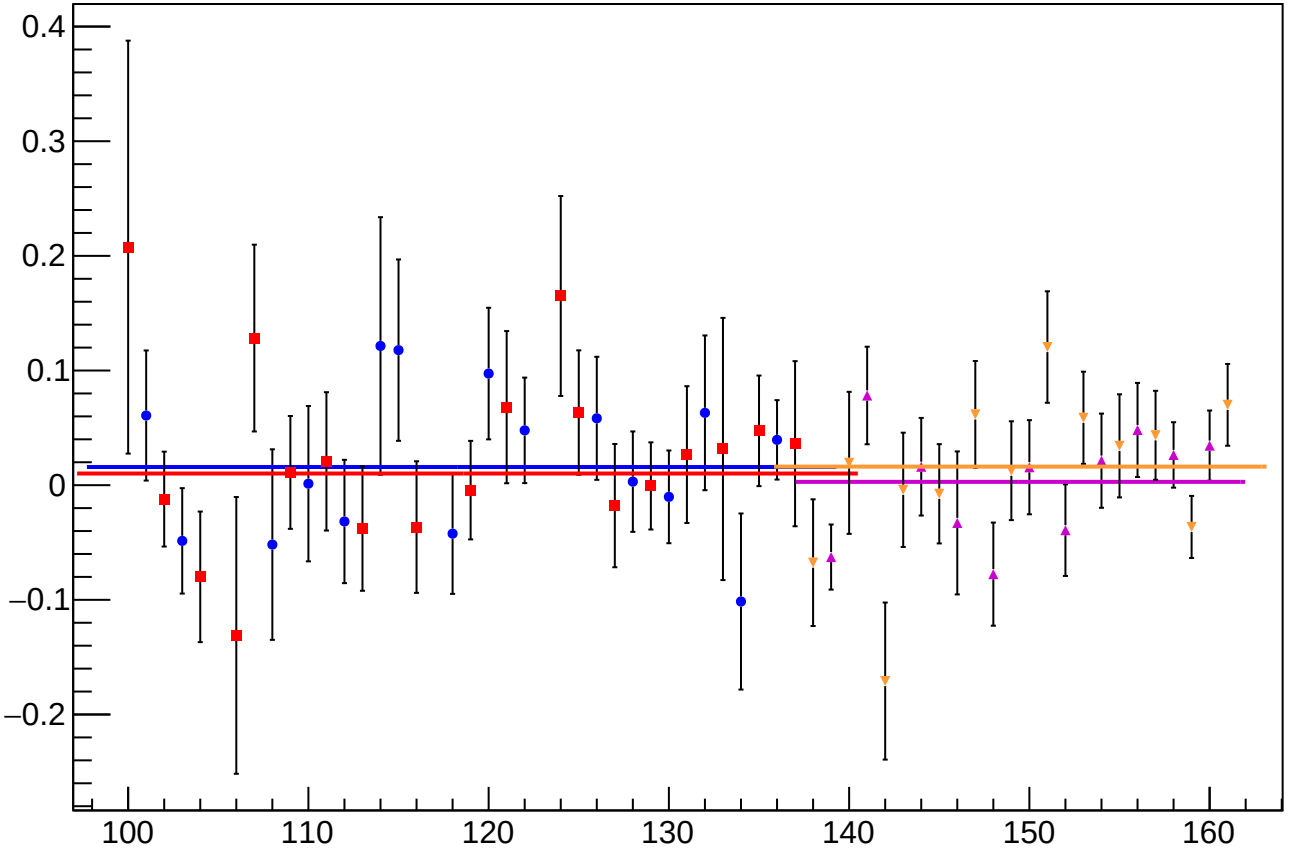
Left In: 33.435+/-0.008 χ^2/NDF:816475.0/10

+ sign 35.548+/-0.006 χ^2/NDF: 1187282.7/28

All: 34.590+/-0.004 χ^2/NDF: 2693901.0/58

- sign 33.694+/-0.006 χ^2/NDF: 1461687.8/29

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: 0.016+/-0.012 χ^2/NDF:23.6/12

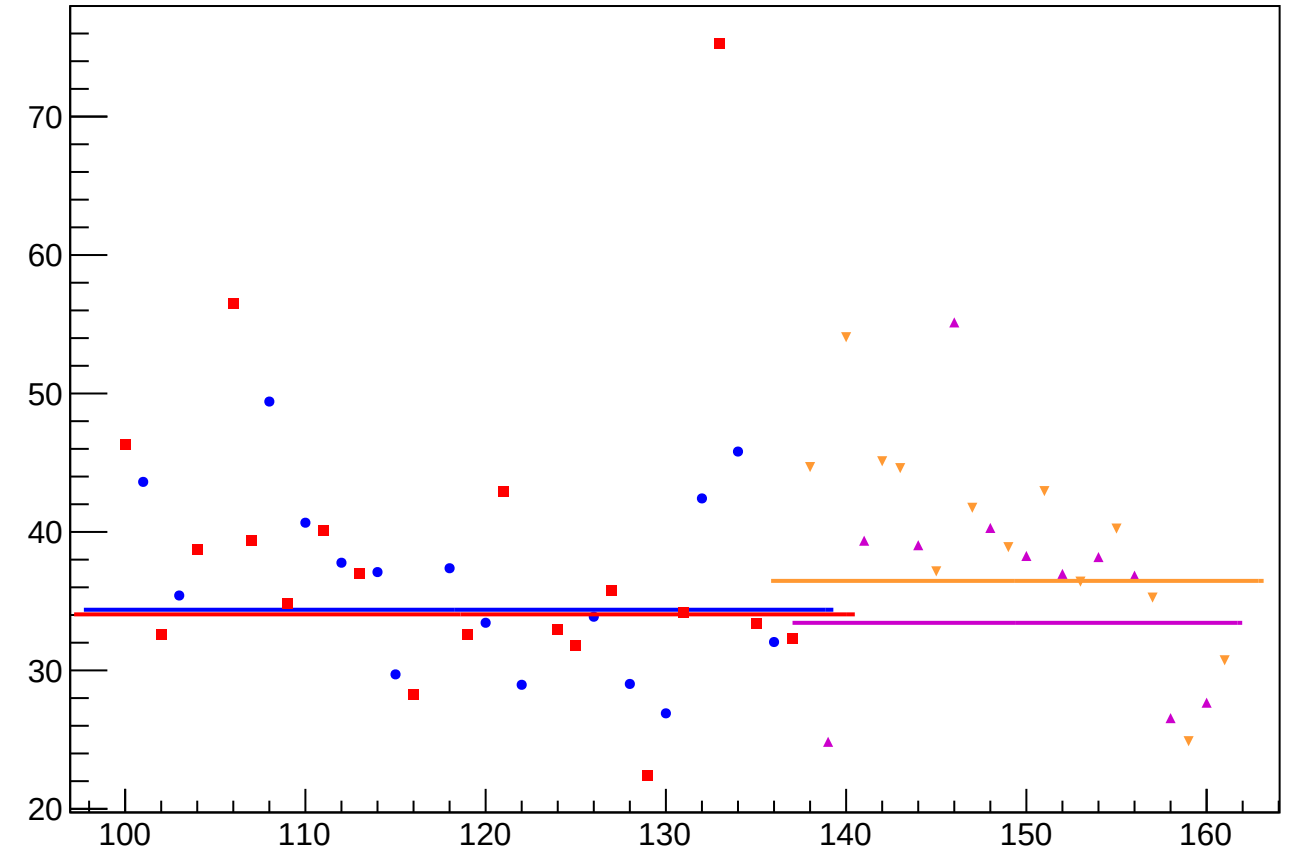
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.011 χ^2/NDF:16.5/10

+ sign 0.016+/-0.009 χ^2/NDF: 38.4/28

All: 0.011+/-0.006 χ^2/NDF: 70.8/58

- sign 0.006+/-0.009 χ^2/NDF: 31.8/29



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.466+/-0.008 χ^2/NDF:792233.6/12

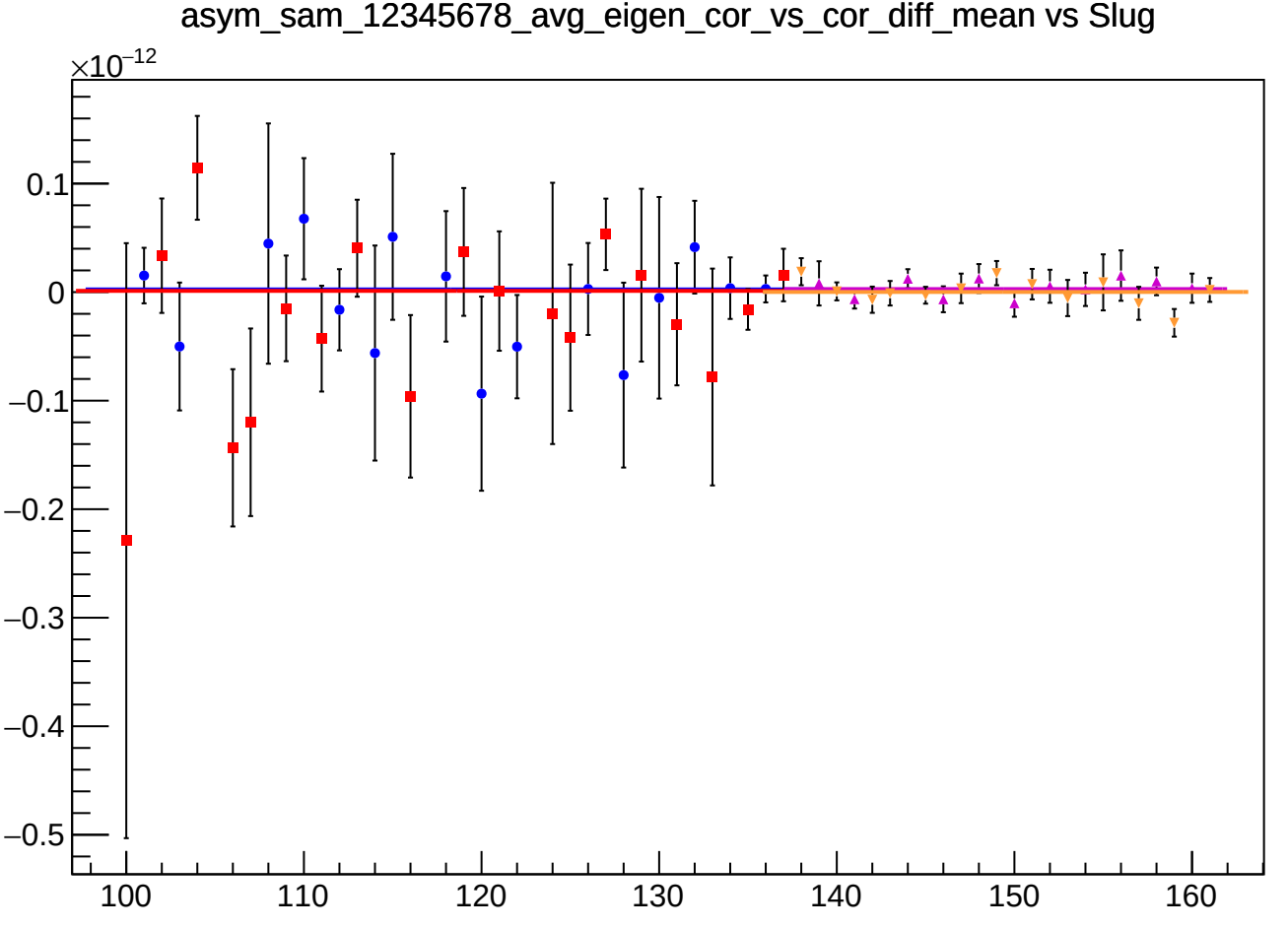
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 33.435+/-0.008 χ^2/NDF:816475.0/10

+ sign 35.548+/-0.006 χ^2/NDF: 1187282.7/28

All: 34.590+/-0.004 χ^2/NDF: 2693901.0/58

- sign 33.694+/-0.006 χ^2/NDF: 1461687.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/12

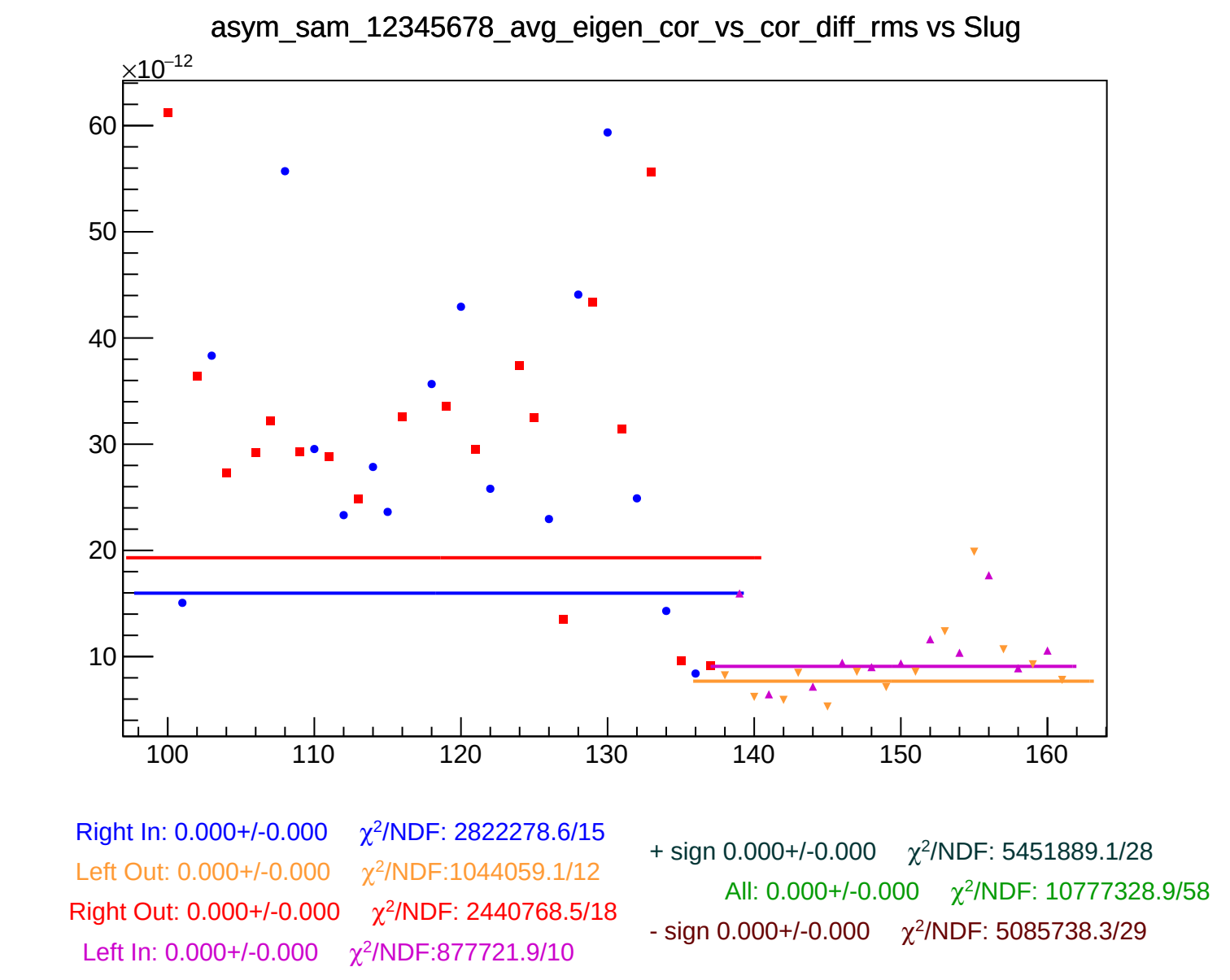
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/10

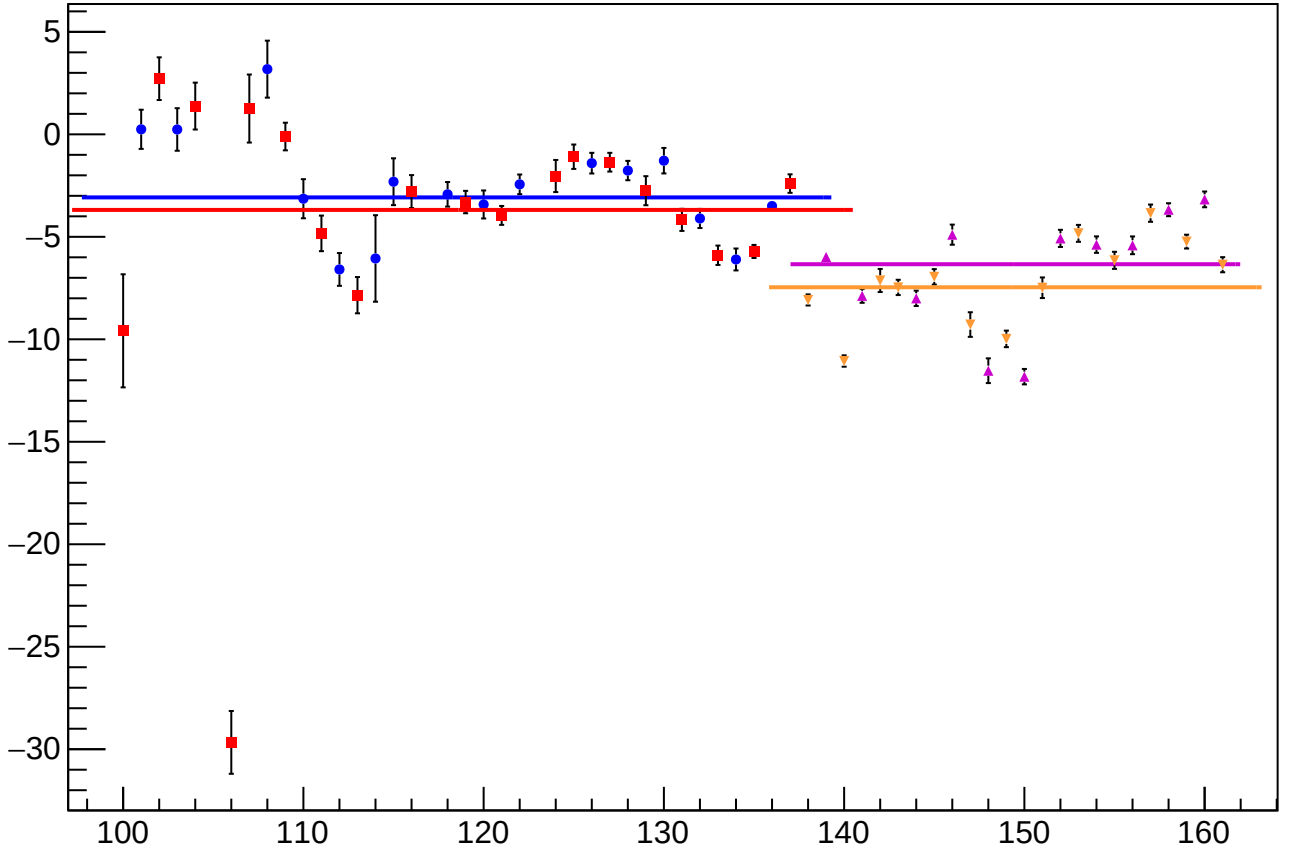
+ sign 0.000+/-0.000 χ^2/NDF: 19.0/28

All: 0.000+/-0.000 χ^2/NDF: 46.0/58

- sign 0.000+/-0.000 χ^2/NDF: 26.8/29


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1044059.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:877721.9/10
+ sign 0.000+/-0.000 χ²/NDF: 5451889.1/28
All: 0.000+/-0.000 χ²/NDF: 10777328.9/58
- sign 0.000+/-0.000 χ²/NDF: 5085738.3/29

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.461+/-0.105 χ^2/NDF:400.2/12

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

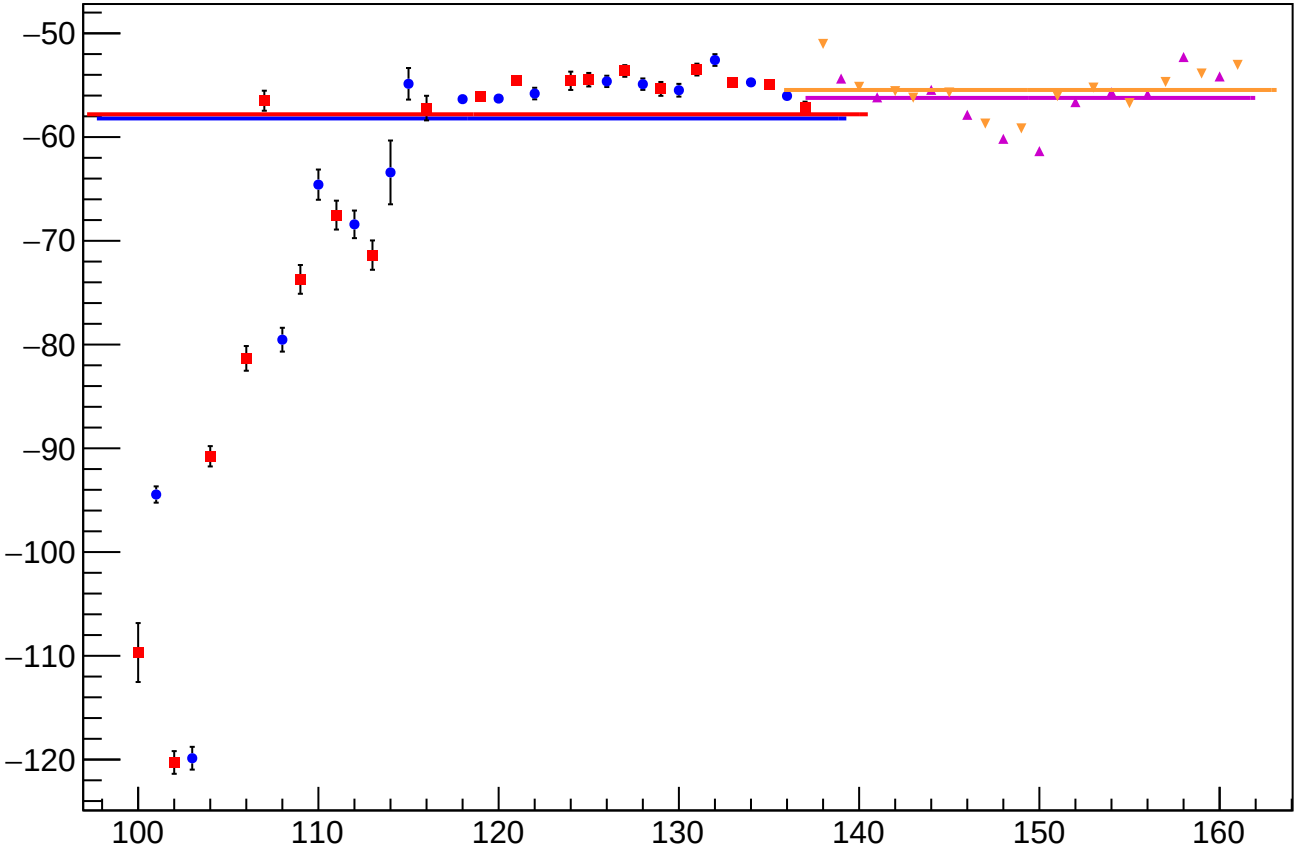
Left In: -6.337+/-0.111 χ^2/NDF:494.8/10

+ sign -5.806+/-0.083 χ^2/NDF: 1188.5/28

All: -5.572+/-0.060 χ^2/NDF: 2454.3/58

- sign -5.315+/-0.087 χ^2/NDF: 1249.1/29

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.460+/-0.077 χ^2/NDF:718.9/12

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

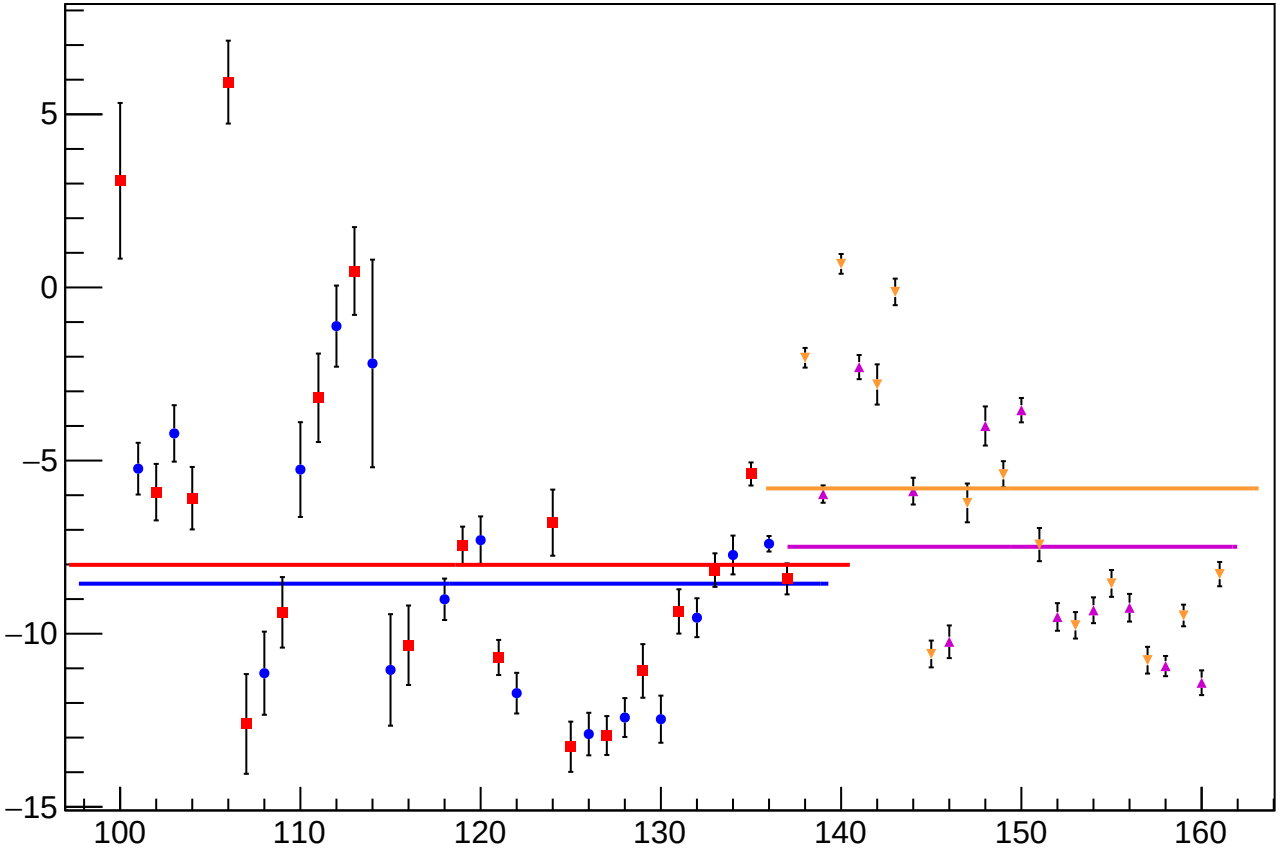
Left In: -56.225+/-0.083 χ^2/NDF:1041.2/10

+ sign -56.127+/-0.067 χ^2/NDF: 7156.0/28

All: -56.369+/-0.049 χ^2/NDF: 14113.3/58

- sign -56.642+/-0.071 χ^2/NDF: 6929.5/29

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.804+/-0.103 χ^2/NDF:1614.0/12

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

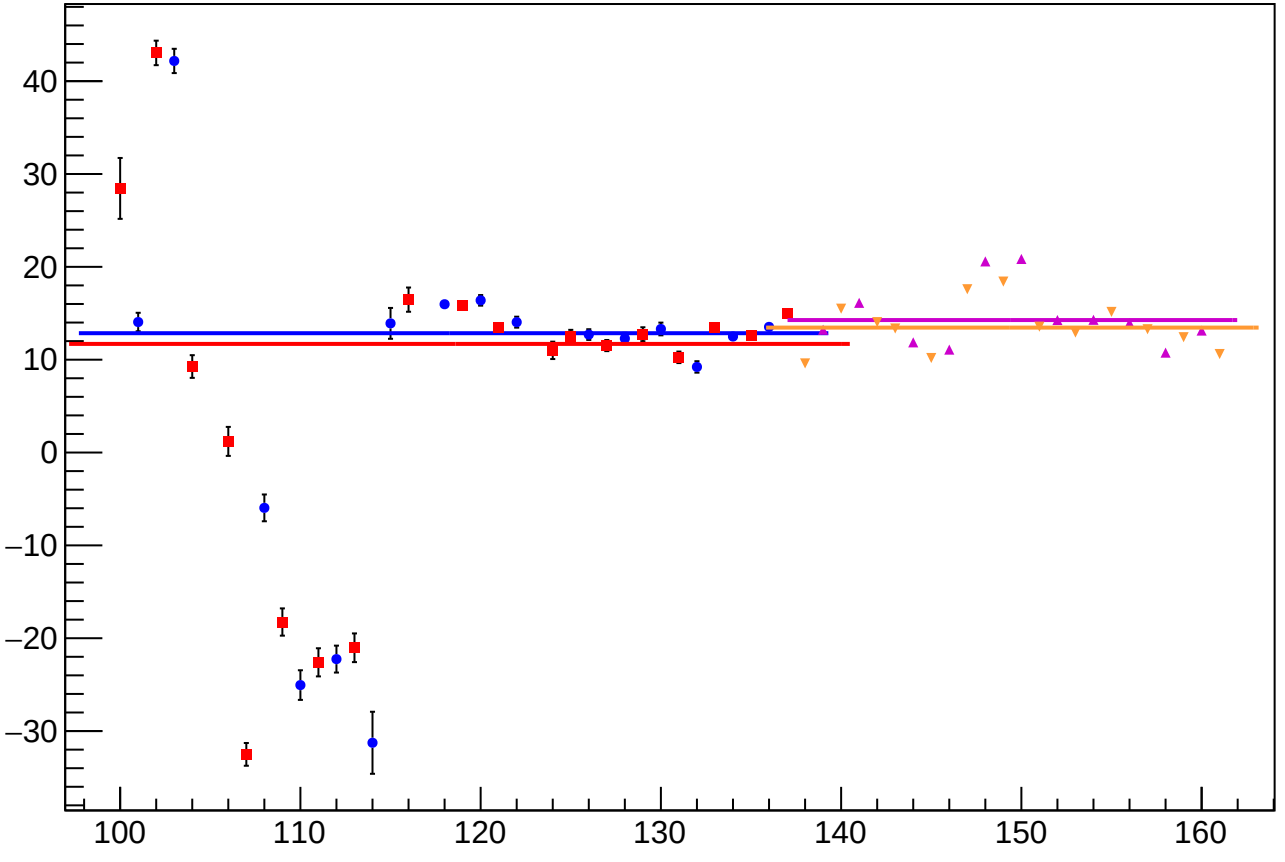
Left In: -7.489+/-0.108 χ^2/NDF:802.8/10

\+ sign -6.729+/-0.084 χ^2/NDF: 2154.7/28

All: -7.173+/-0.061 χ^2/NDF: 3513.4/58

\- sign -7.663+/-0.088 χ^2/NDF: 1299.9/29

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 13.457+/-0.089 χ^2/NDF:796.7/12

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

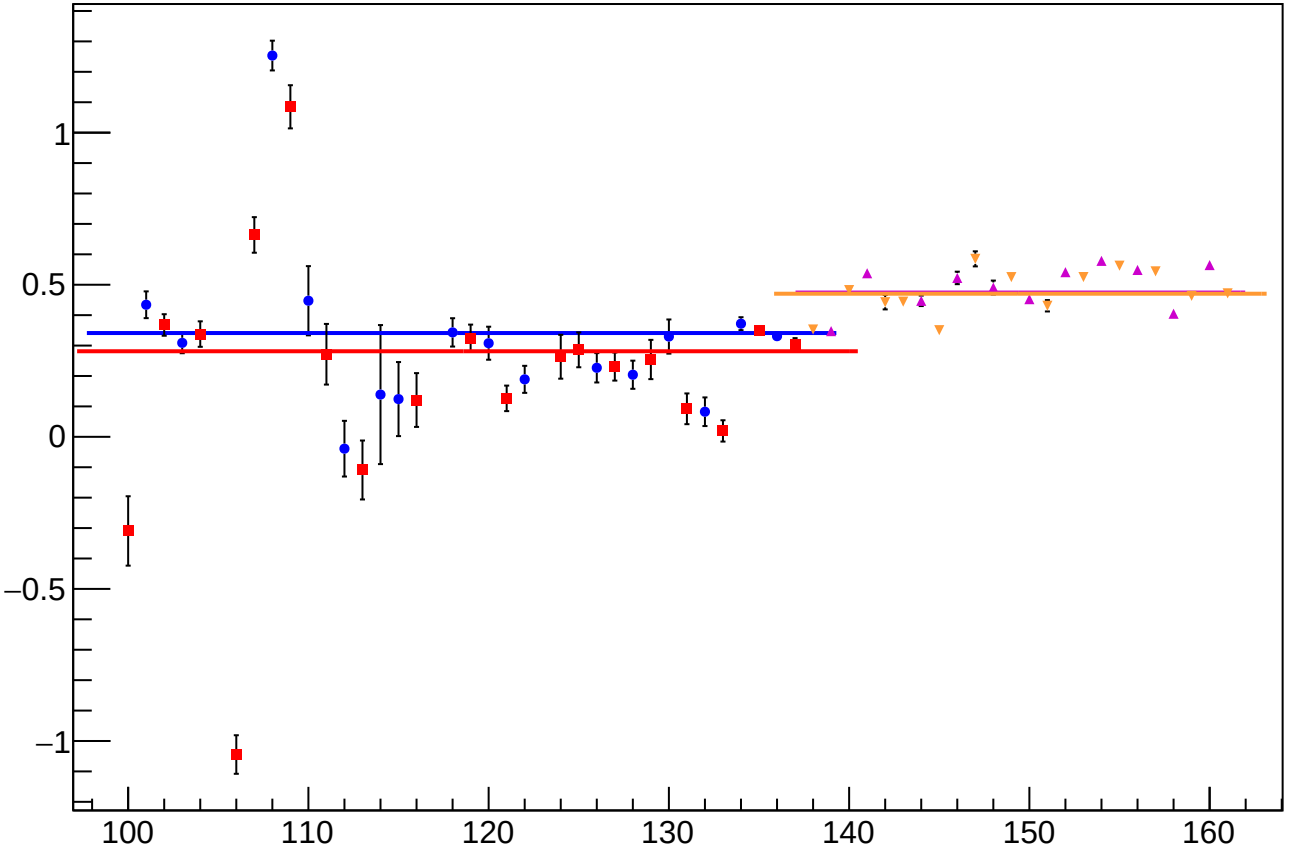
Left In: 14.269+/-0.095 χ^2/NDF:1174.3/10

+ sign 13.301+/-0.076 χ^2/NDF: 2937.1/28

All: 13.429+/-0.055 χ^2/NDF: 7816.4/58

- sign 13.573+/-0.081 χ^2/NDF: 4873.3/29

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.470+/-0.004 χ^2/NDF:321.8/12

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

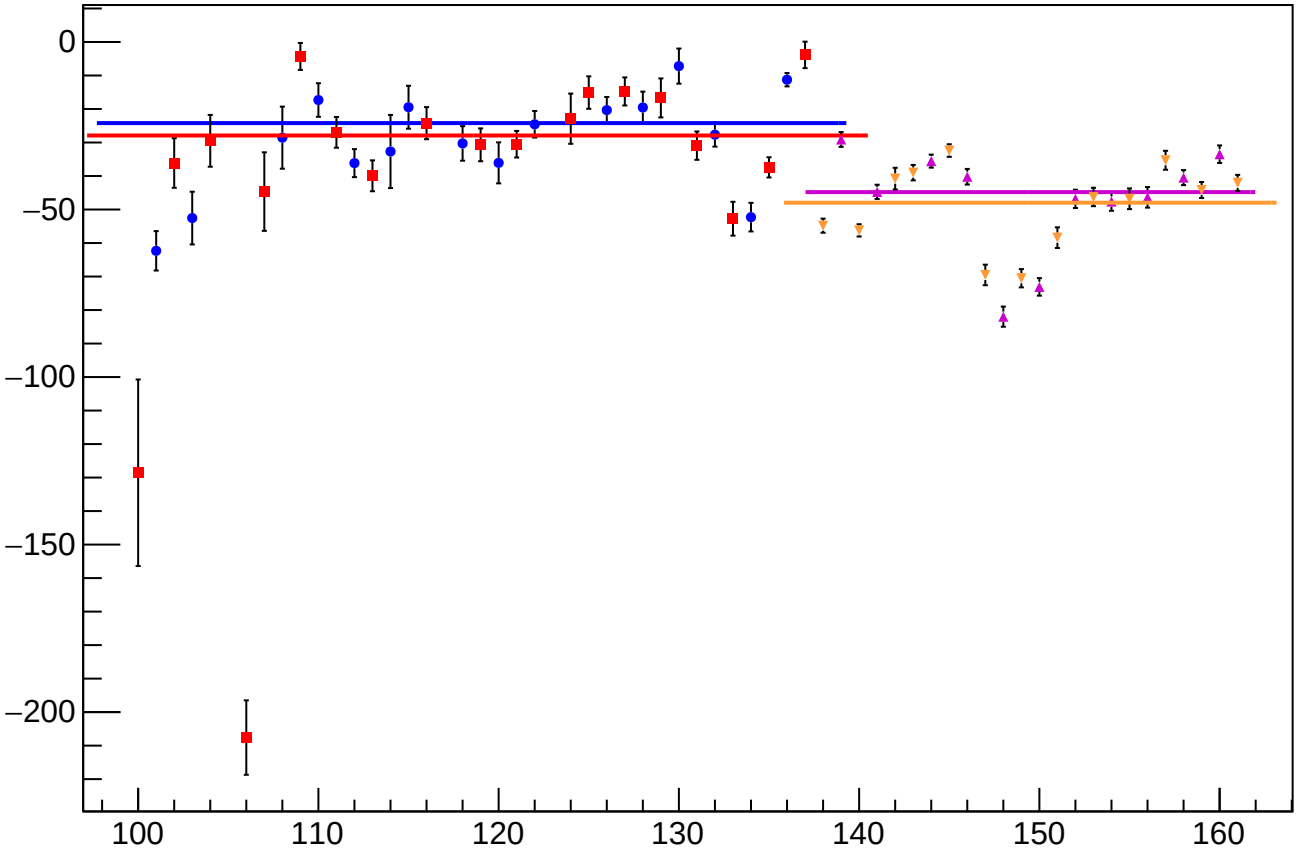
Left In: 0.474+/-0.004 χ^2/NDF:455.1/10

+ sign 0.445+/-0.003 χ^2/NDF: 973.3/28

All: 0.442+/-0.003 χ^2/NDF: 2632.9/58

- sign 0.440+/-0.004 χ^2/NDF: 1658.3/29

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -47.962+/-0.682 χ^2/NDF:278.1/12

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

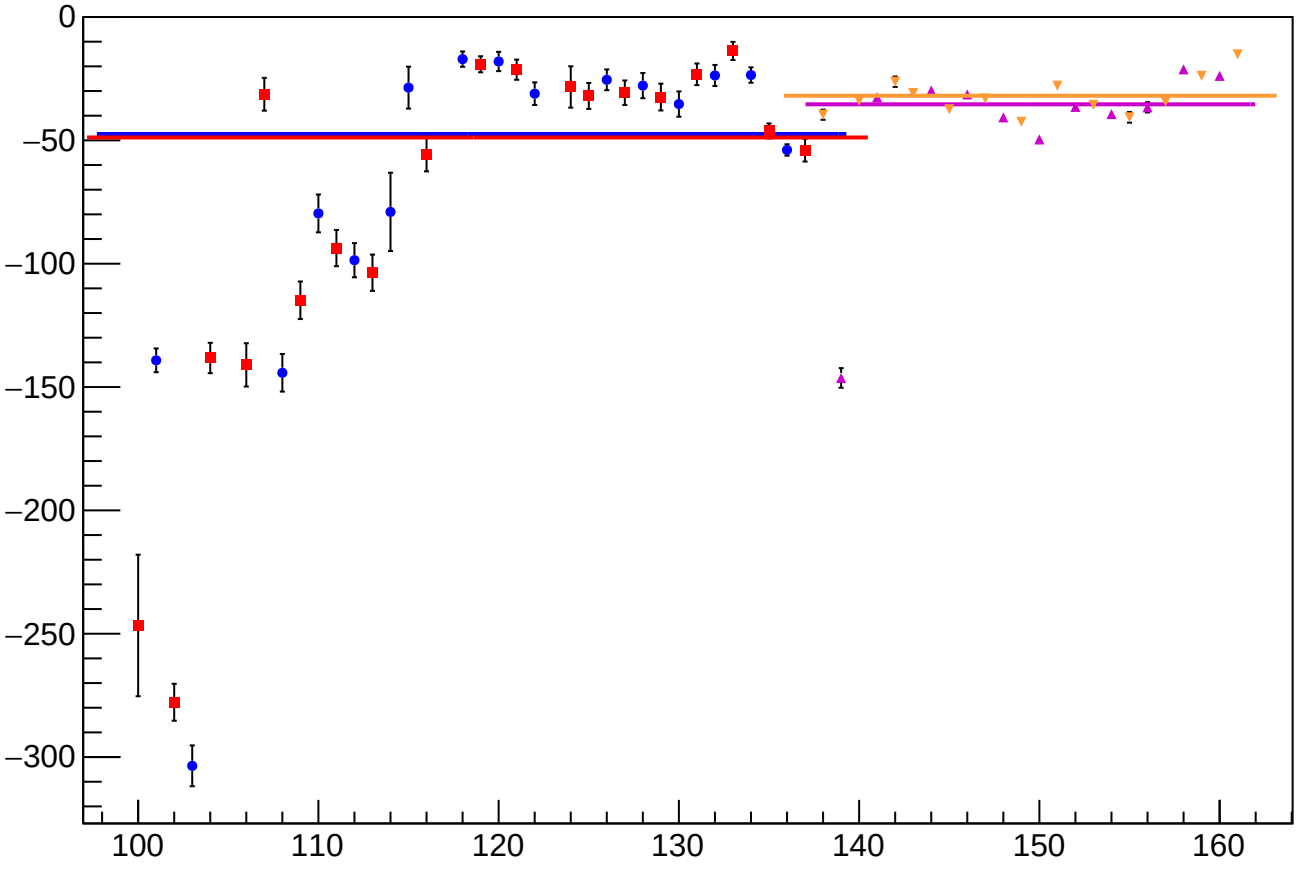
Left In: -44.801+/-0.736 χ^2/NDF:371.2/10

+ sign -41.241+/-0.578 χ^2/NDF: 791.7/28

All: -40.574+/-0.422 χ^2/NDF: 1734.8/58

- sign -39.812+/-0.618 χ^2/NDF: 940.2/29

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -31.905+/-0.477 χ^2/NDF:236.8/12

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

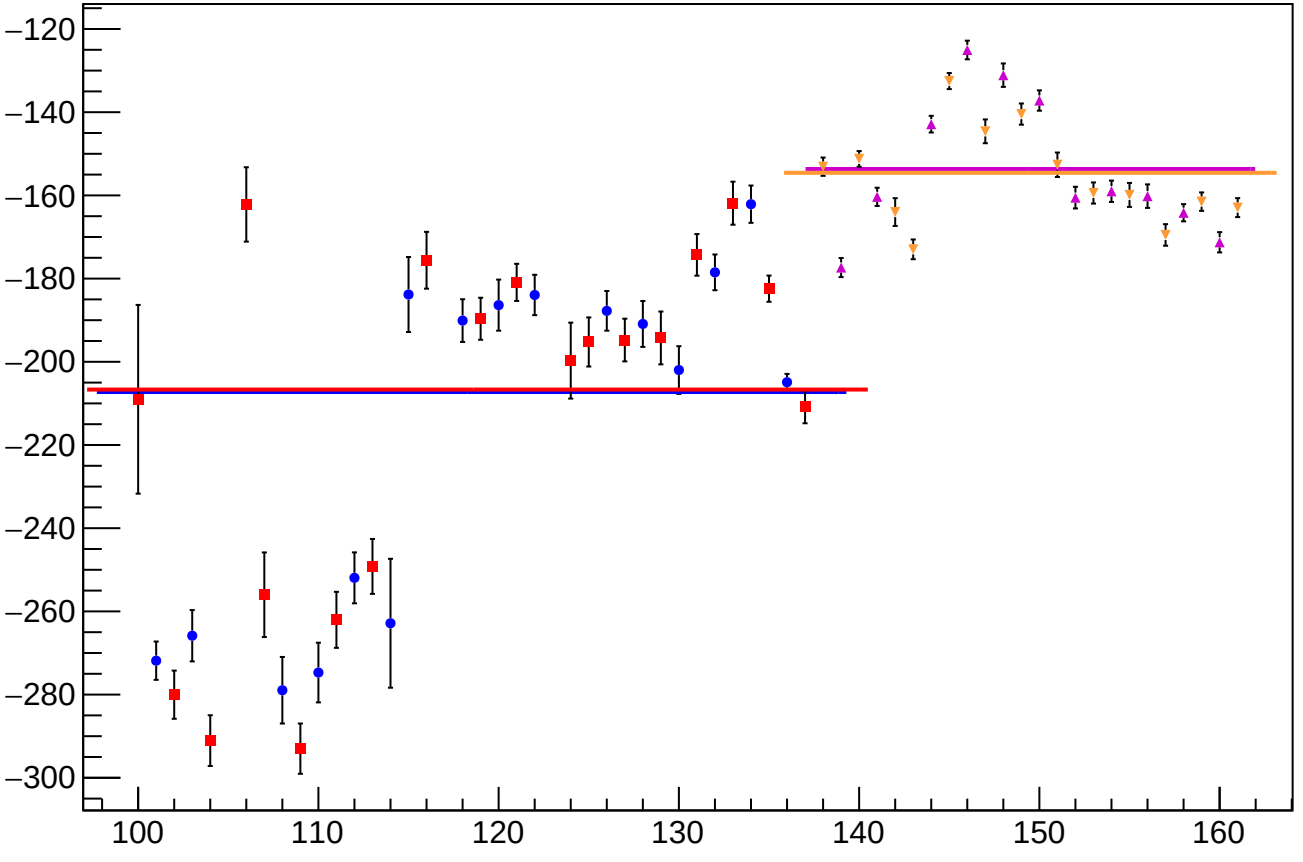
Left In: -35.389+/-0.507 χ^2/NDF:1017.4/10

+ sign -34.355+/-0.437 χ^2/NDF: 2277.5/28

All: -35.818+/-0.319 χ^2/NDF: 5202.5/58

- sign -37.478+/-0.466 χ^2/NDF: 2901.1/29

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -154.569+/-0.669 χ^2/NDF:308.5/12

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

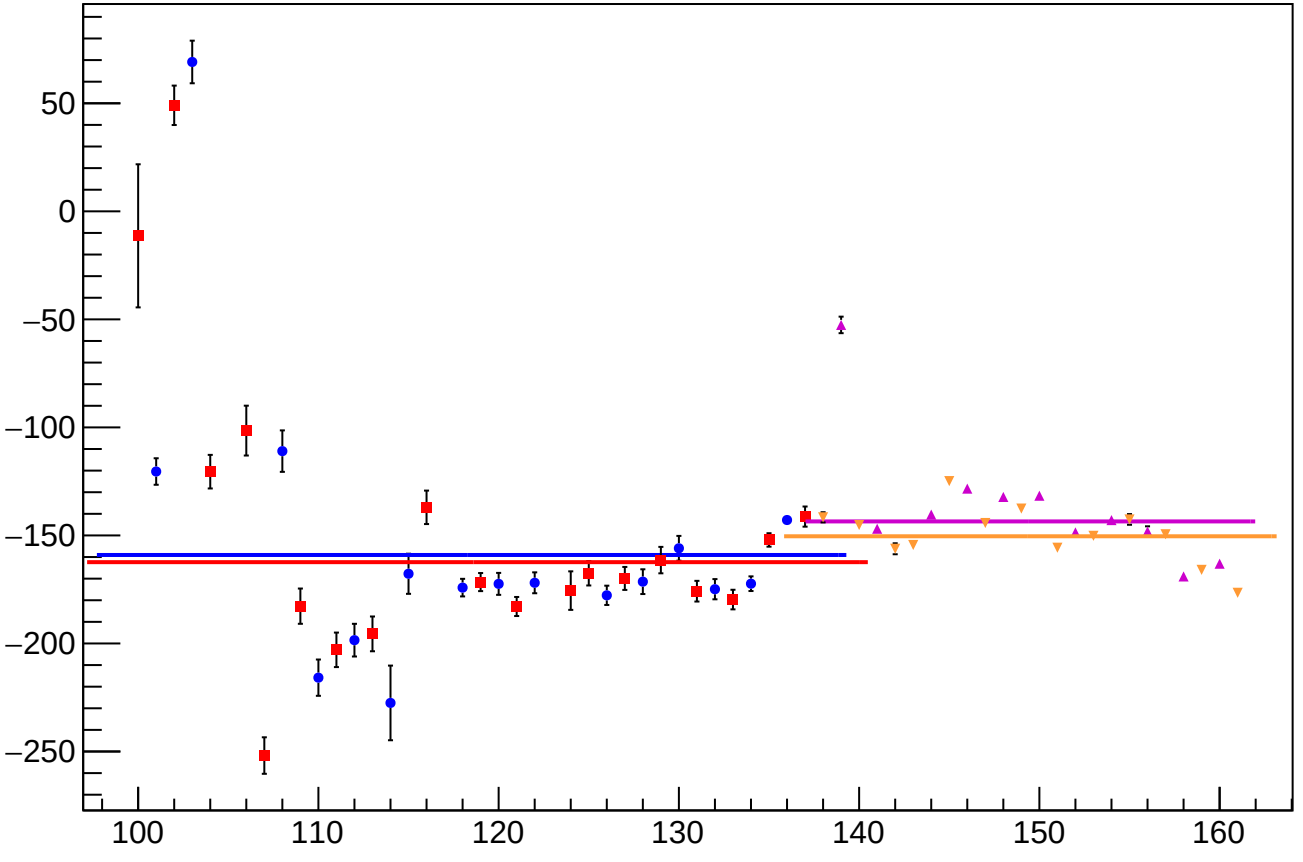
Left In: -153.644+/-0.713 χ^2/NDF:512.1/10

+ sign -167.414+/-0.582 χ^2/NDF: 2569.5/28

All: -166.852+/-0.425 χ^2/NDF: 5363.8/58

- sign -166.209+/-0.623 χ^2/NDF: 2792.3/29

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -150.393+/-0.559 χ^2/NDF:625.3/12

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

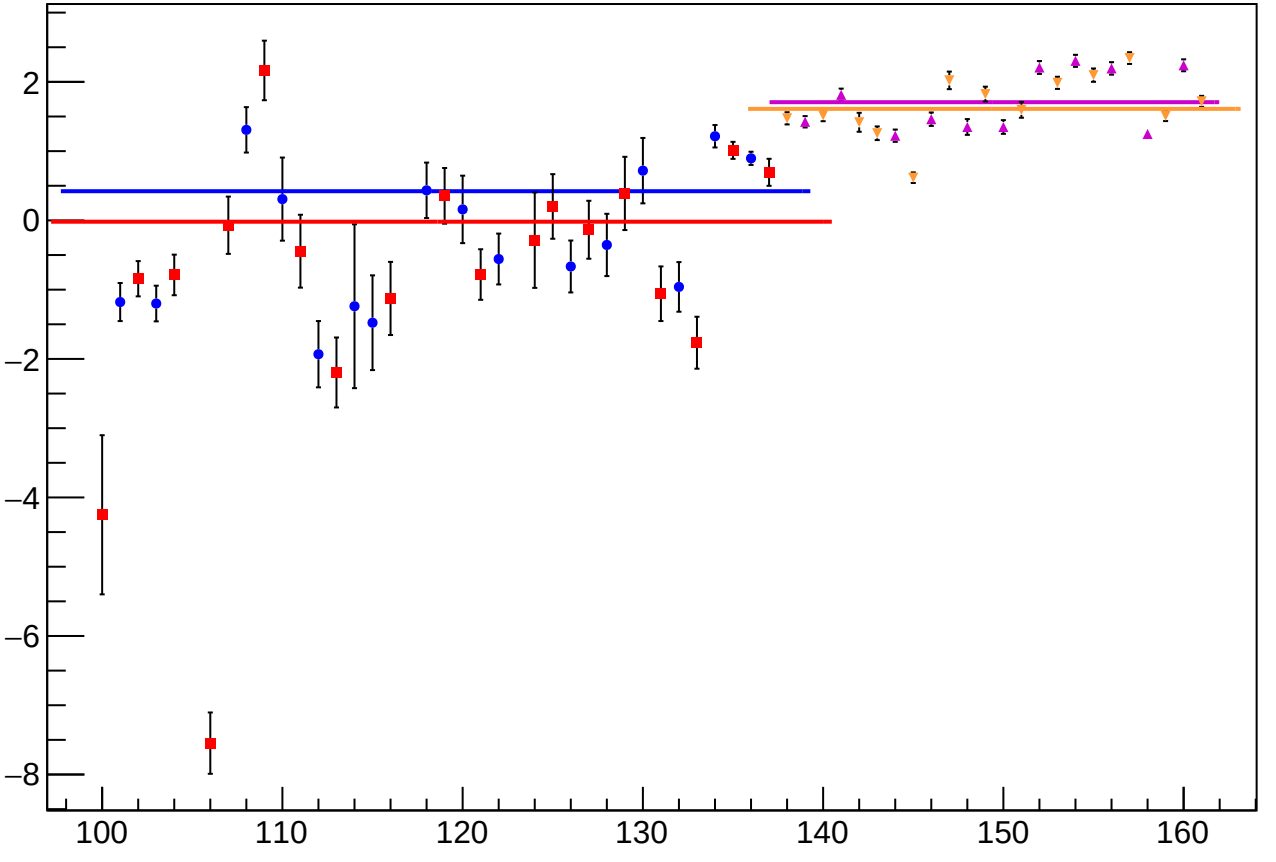
Left In: -143.516+/-0.594 χ^2/NDF:1087.3/10

+ sign -151.883+/-0.508 χ^2/NDF: 1482.3/28

All: -149.447+/-0.371 χ^2/NDF: 3660.0/58

- sign -146.677+/-0.542 χ^2/NDF: 2128.6/29

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.610+/-0.026 χ^2/NDF:322.9/12

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

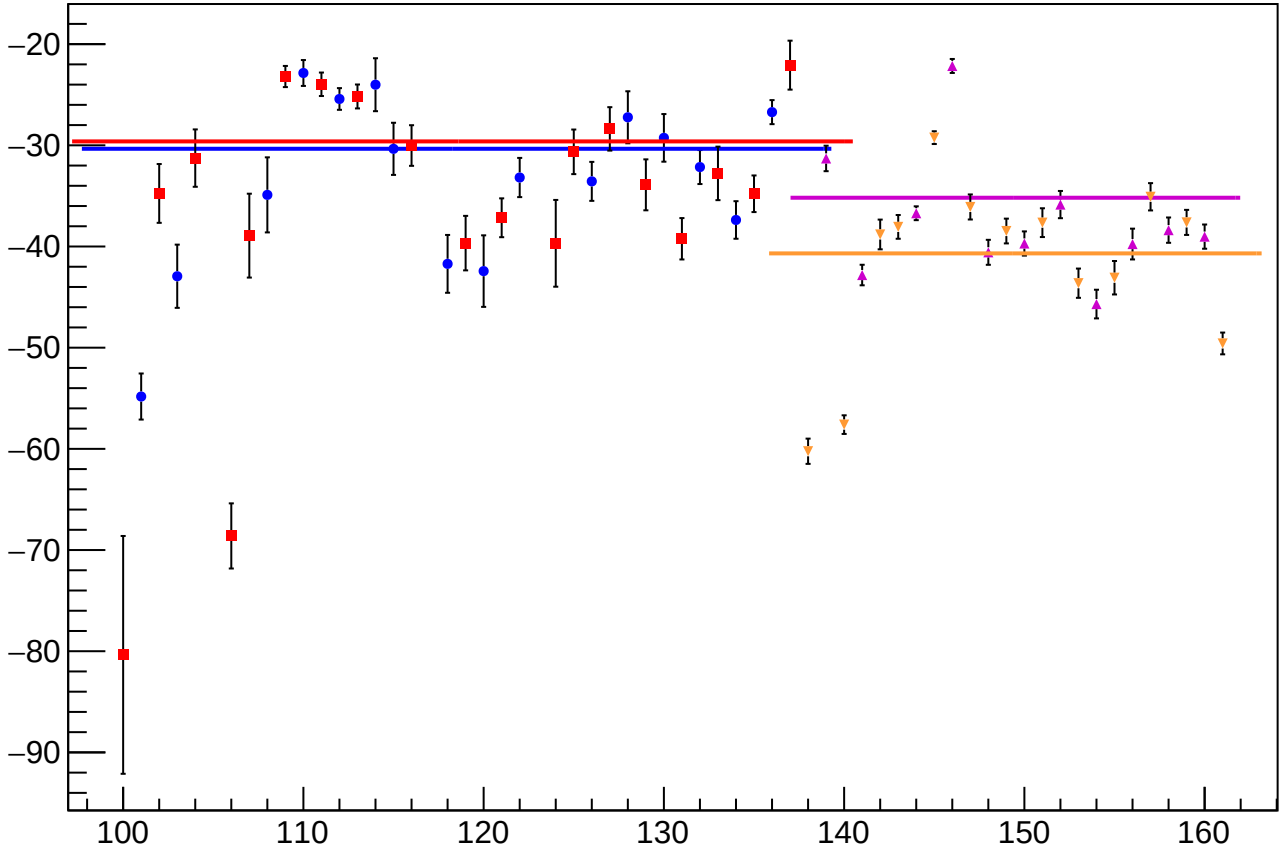
Left In: 1.707+/-0.027 χ^2/NDF:256.3/10

+ sign 1.450+/-0.024 χ^2/NDF: 811.7/28

All: 1.472+/-0.017 χ^2/NDF: 2058.2/58

- sign 1.497+/-0.025 χ^2/NDF: 1244.7/29

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -40.681+/-0.313 χ^2/NDF:1037.6/12

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

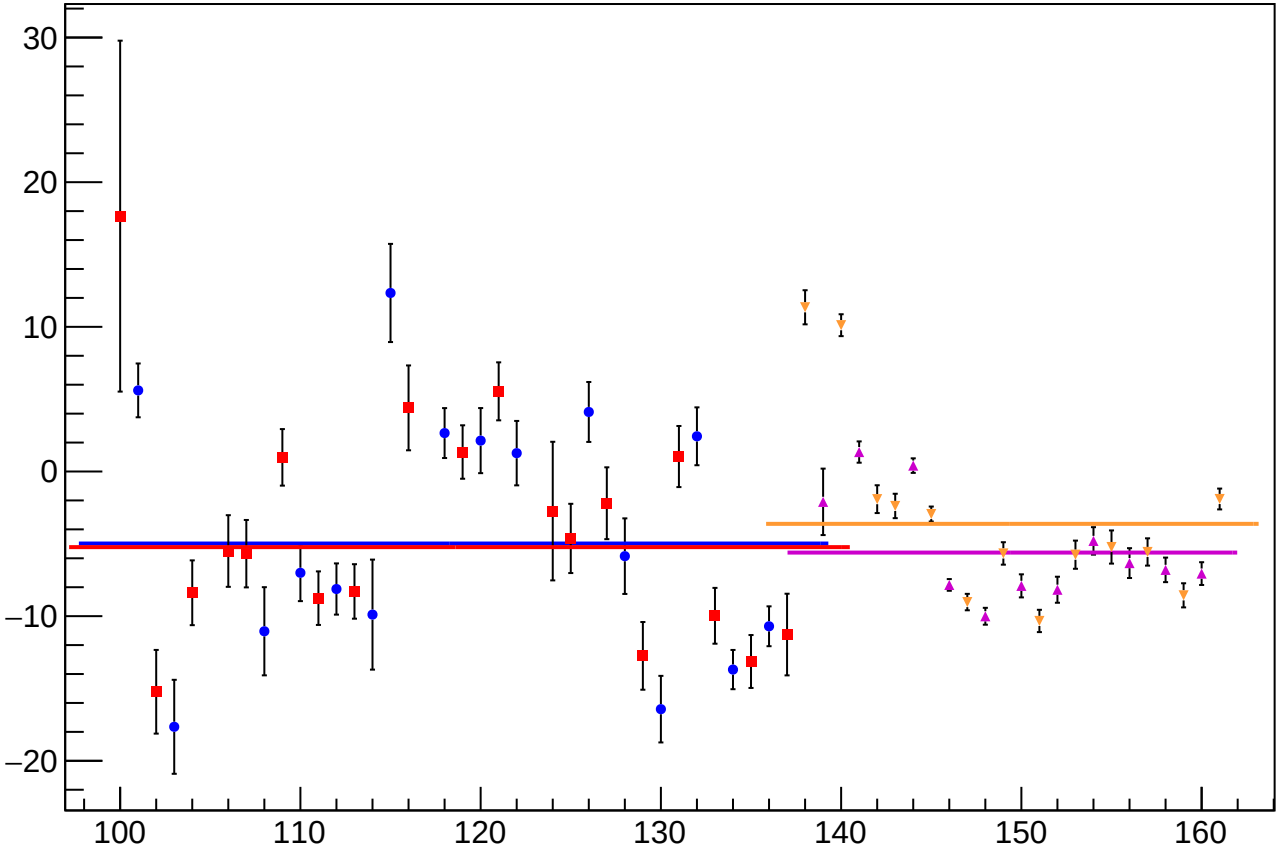
Left In: -35.180+/-0.316 χ^2/NDF:540.7/10

+ sign -37.491+/-0.260 χ^2/NDF: 1629.0/28

All: -35.408+/-0.183 χ^2/NDF: 2729.1/58

- sign -33.343+/-0.259 χ^2/NDF: 972.2/29

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.619+/-0.216 χ^2/NDF:722.8/12

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

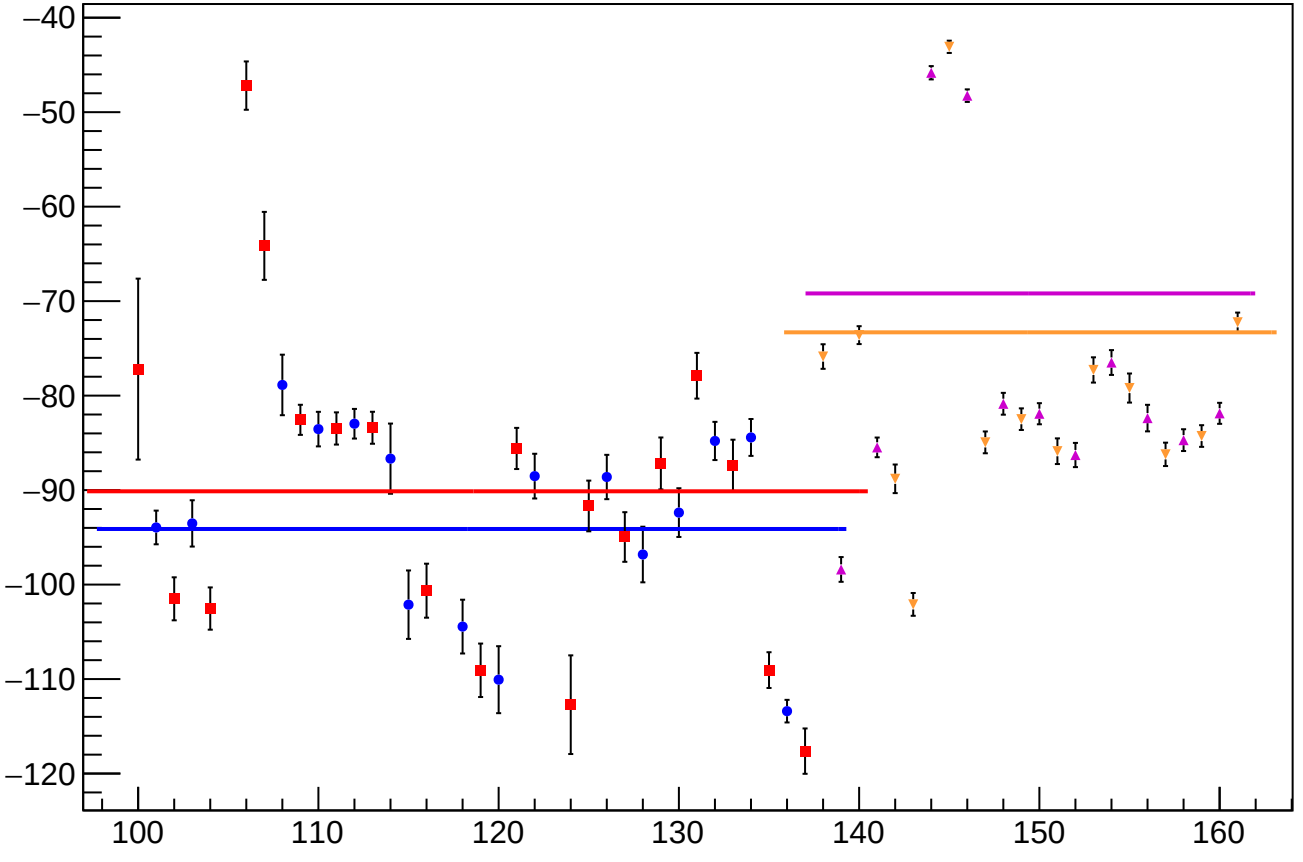
Left In: -5.605+/-0.209 χ^2/NDF:344.6/10

+ sign -3.826+/-0.199 χ^2/NDF: 966.2/28

All: -4.711+/-0.139 χ^2/NDF: 1486.3/58

- sign -5.553+/-0.194 χ^2/NDF: 481.5/29

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -73.301+/-0.307 χ^2/NDF:3313.7/12

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

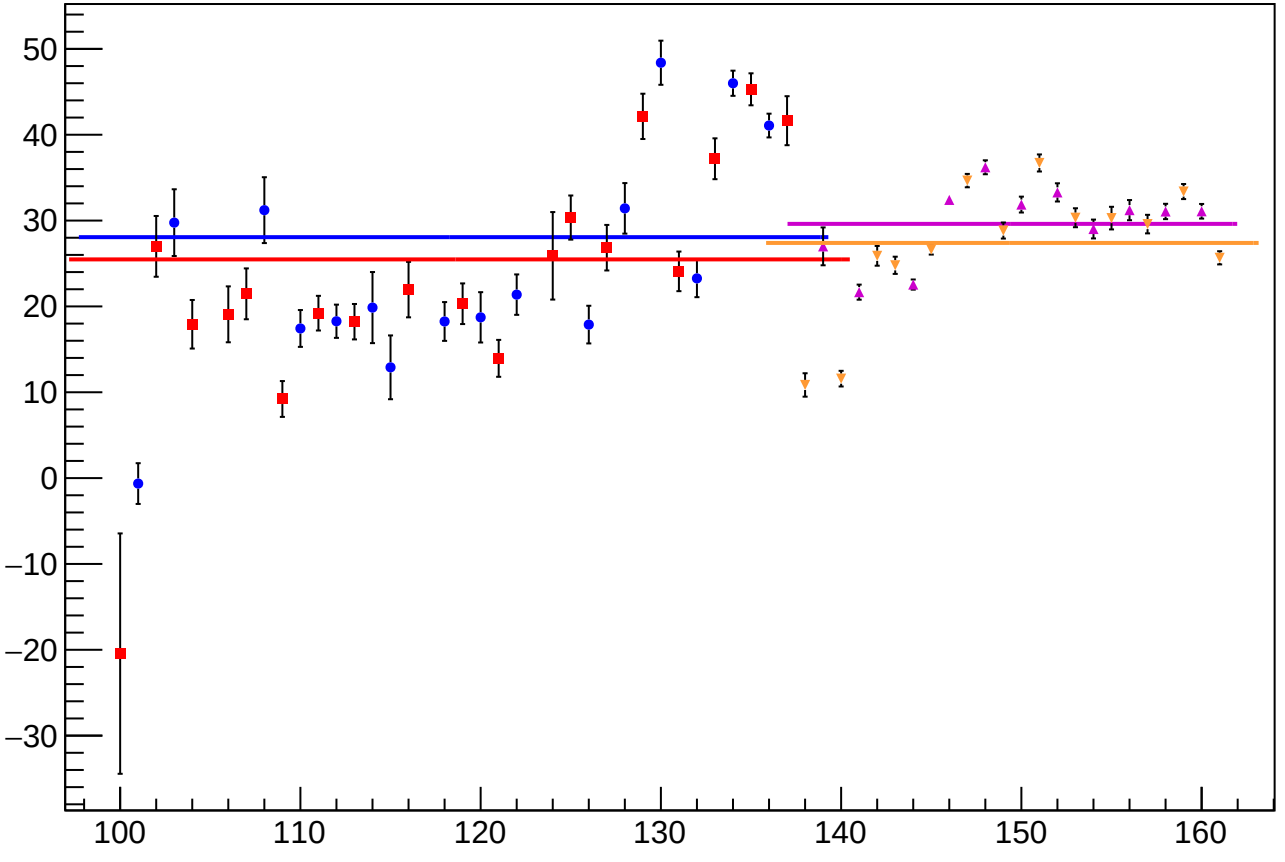
Left In: -69.184+/-0.307 χ^2/NDF:3670.3/10

+ sign -78.436+/-0.267 χ^2/NDF: 4912.1/28

All: -76.358+/-0.189 χ^2/NDF: 10620.0/58

- sign -74.269+/-0.268 χ^2/NDF: 5586.2/29

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 27.395+/-0.255 χ^2/NDF:702.1/12

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

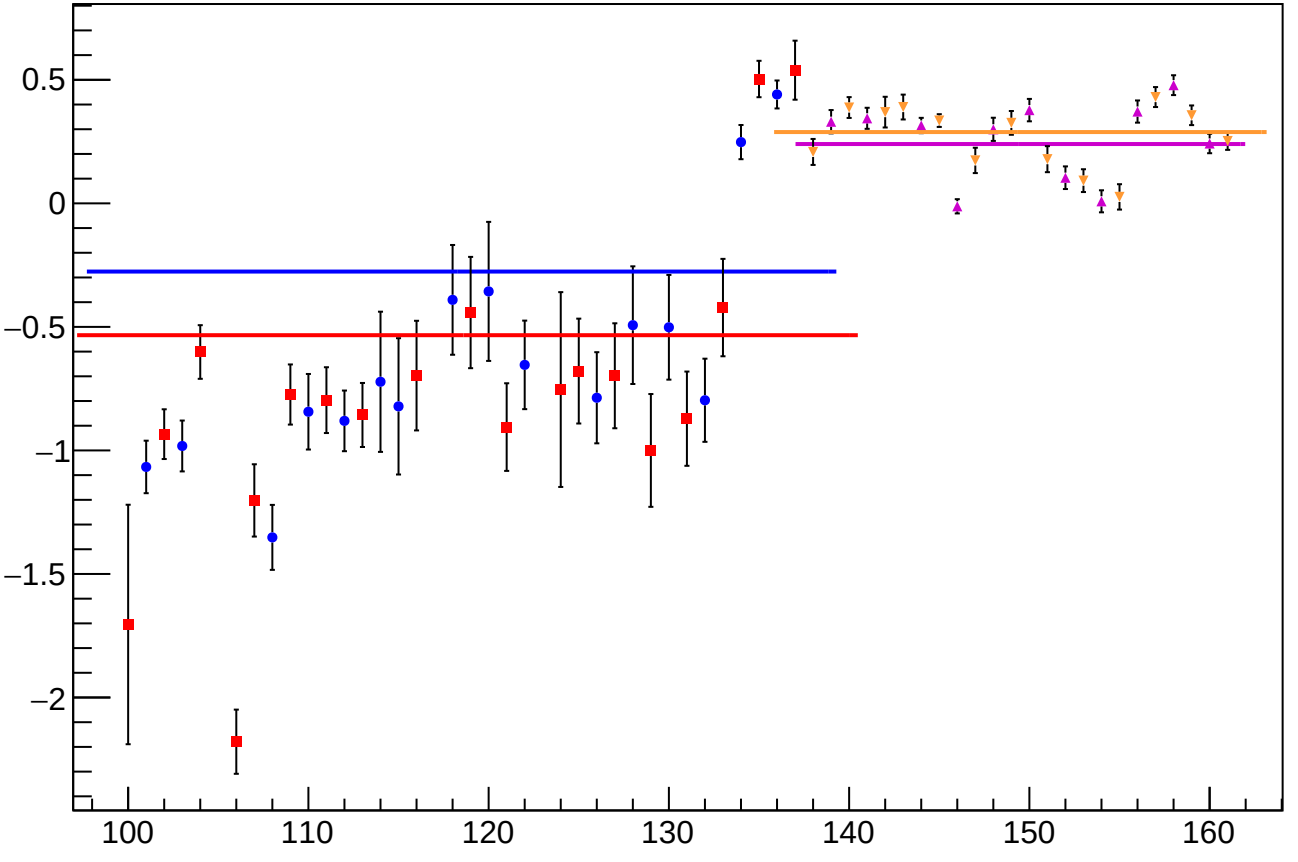
Left In: 29.615+/-0.250 χ^2/NDF:348.0/10

+ sign 27.508+/-0.233 χ^2/NDF: 1286.4/28

All: 28.254+/-0.164 χ^2/NDF: 2051.0/58

- sign 28.985+/-0.230 χ^2/NDF: 744.3/29

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.289+/-0.012 χ^2/NDF:87.3/12

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

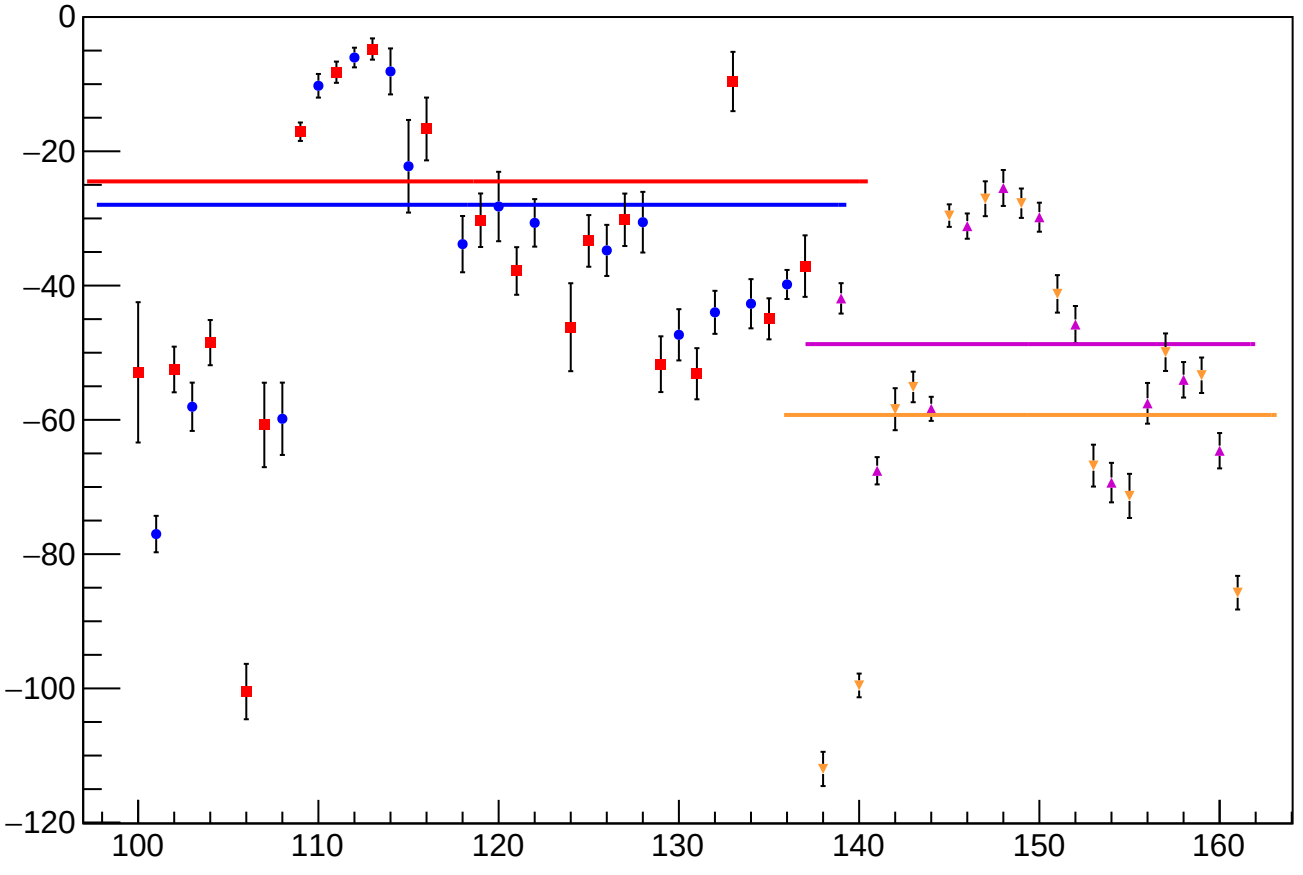
Left In: 0.240+/-0.012 χ^2/NDF:182.2/10

+ sign 0.215+/-0.011 χ^2/NDF: 838.3/28

All: 0.183+/-0.008 χ^2/NDF: 2037.7/58

- sign 0.149+/-0.011 χ^2/NDF: 1181.7/29

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -59.270+/-0.669 χ^2/NDF:1814.6/12

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

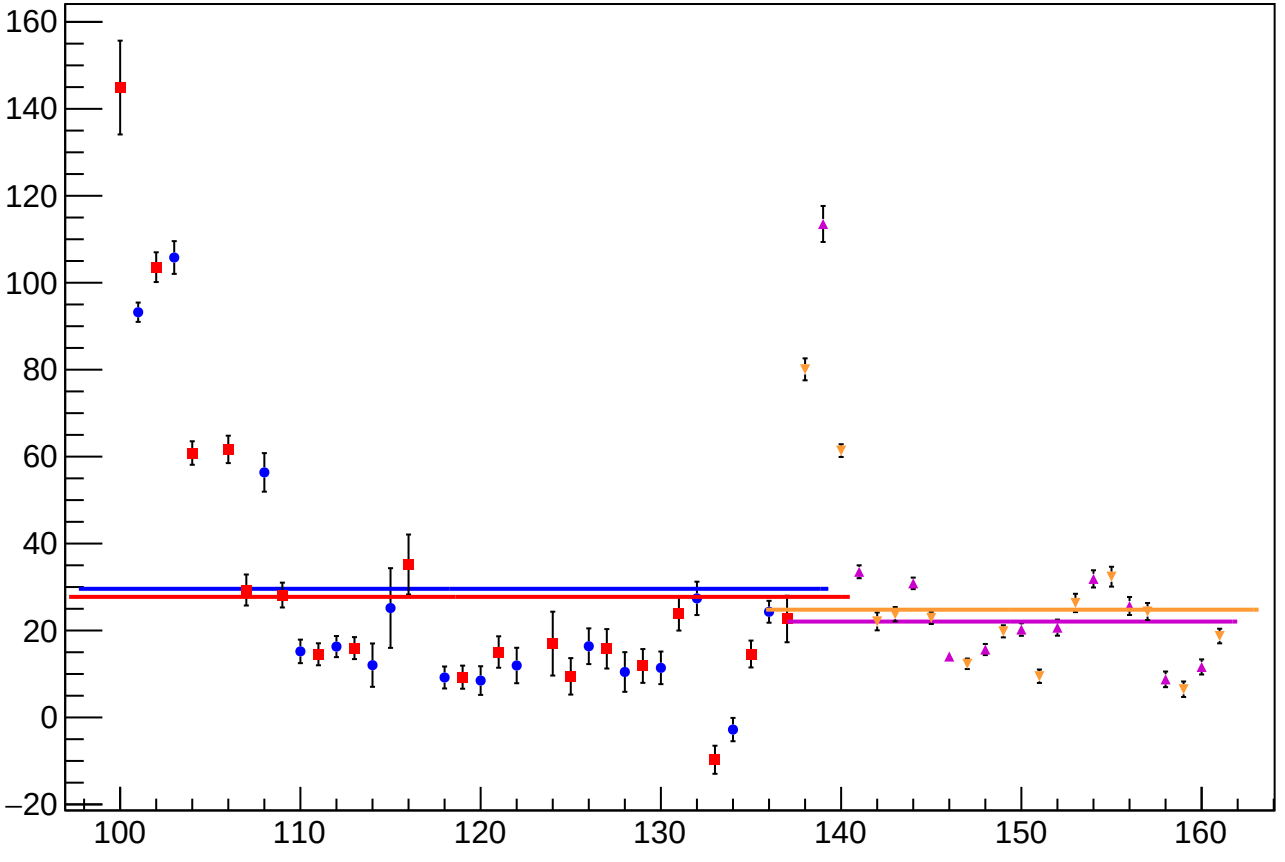
Left In: -48.719+/-0.702 χ^2/NDF:462.4/10

+ sign -44.936+/-0.492 χ^2/NDF: 3712.6/28

All: -40.324+/-0.344 χ^2/NDF: 5966.3/58

- sign -35.902+/-0.482 χ^2/NDF: 2081.9/29

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 24.792+/-0.461 χ^2/NDF:1452.7/12

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

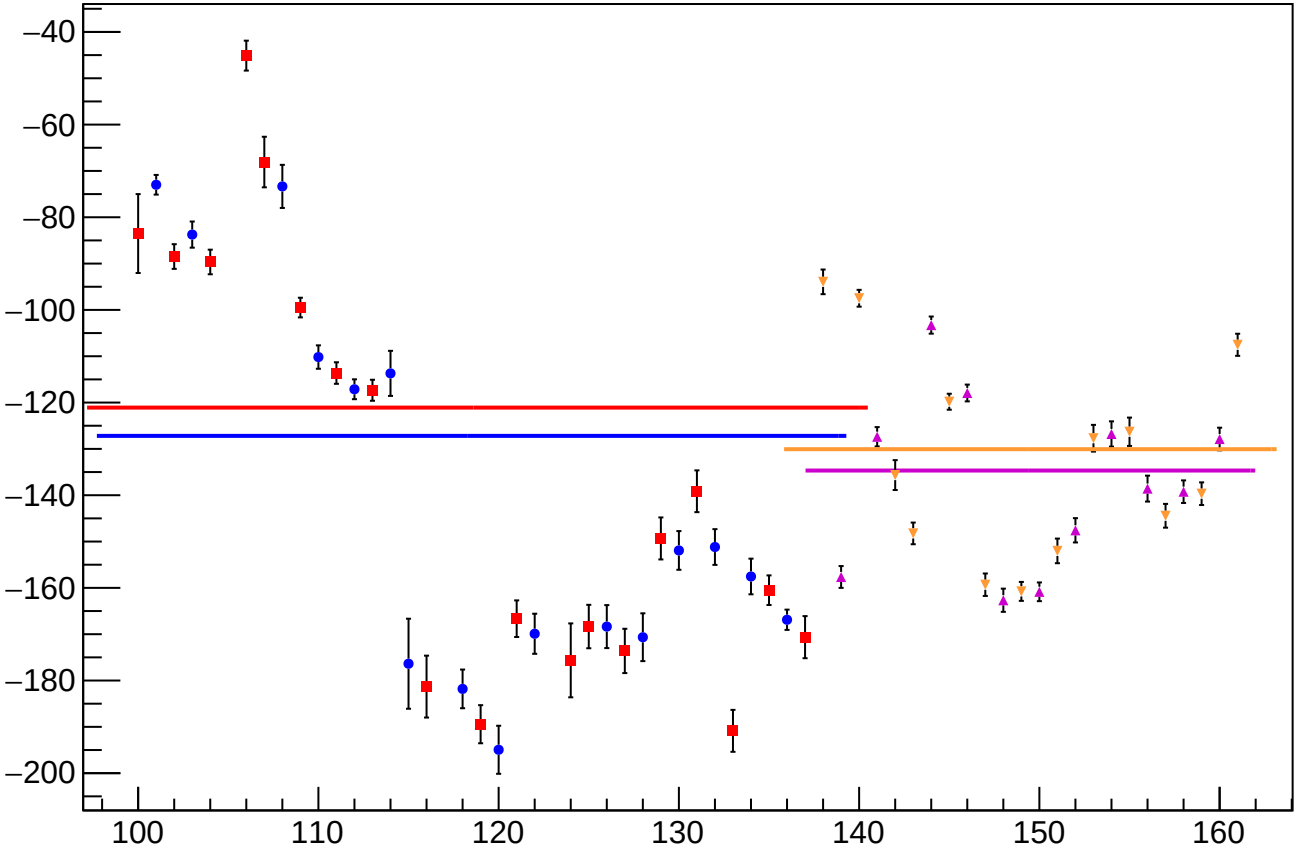
Left In: 22.055+/-0.480 χ^2/NDF:785.5/10

+ sign 25.974+/-0.401 χ^2/NDF: 3145.0/28

All: 24.801+/-0.287 χ^2/NDF: 5170.5/58

- sign 23.566+/-0.411 χ^2/NDF: 2007.9/29

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -130.065+/-0.655 χ^2/NDF:1182.4/12

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

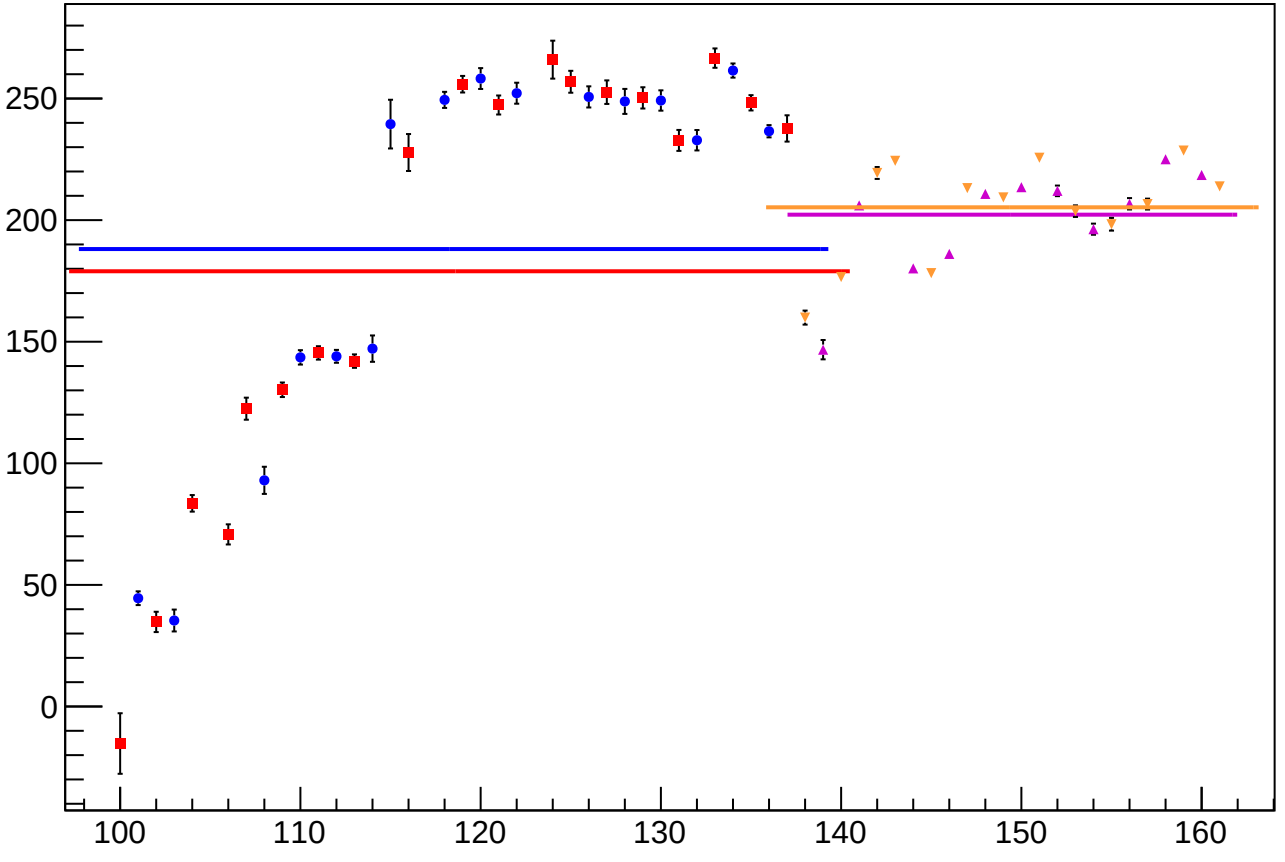
Left In: -134.672+/-0.681 χ^2/NDF:819.8/10

+ sign -128.961+/-0.514 χ^2/NDF: 3367.9/28

All: -128.952+/-0.365 χ^2/NDF: 6752.8/58

- sign -128.943+/-0.518 χ^2/NDF: 3384.9/29

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 205.272+/-0.546 χ^2/NDF:1249.4/12

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

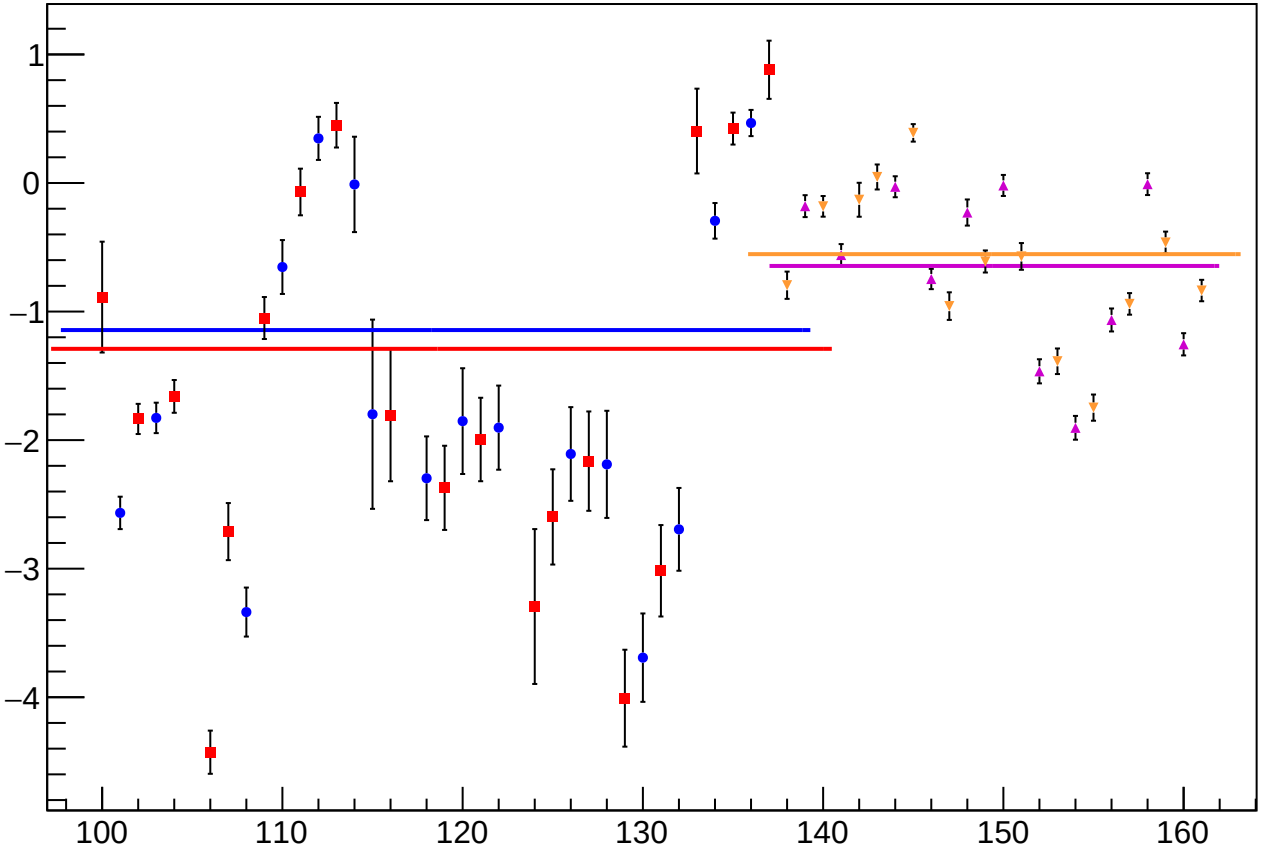
Left In: 202.241+/-0.567 χ^2/NDF:850.6/10

+ sign 200.793+/-0.469 χ^2/NDF: 8626.5/28

All: 198.319+/-0.336 χ^2/NDF: 16675.6/58

- sign 195.720+/-0.481 χ^2/NDF: 7992.1/29

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.553+/-0.025 χ^2/NDF:522.5/12

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

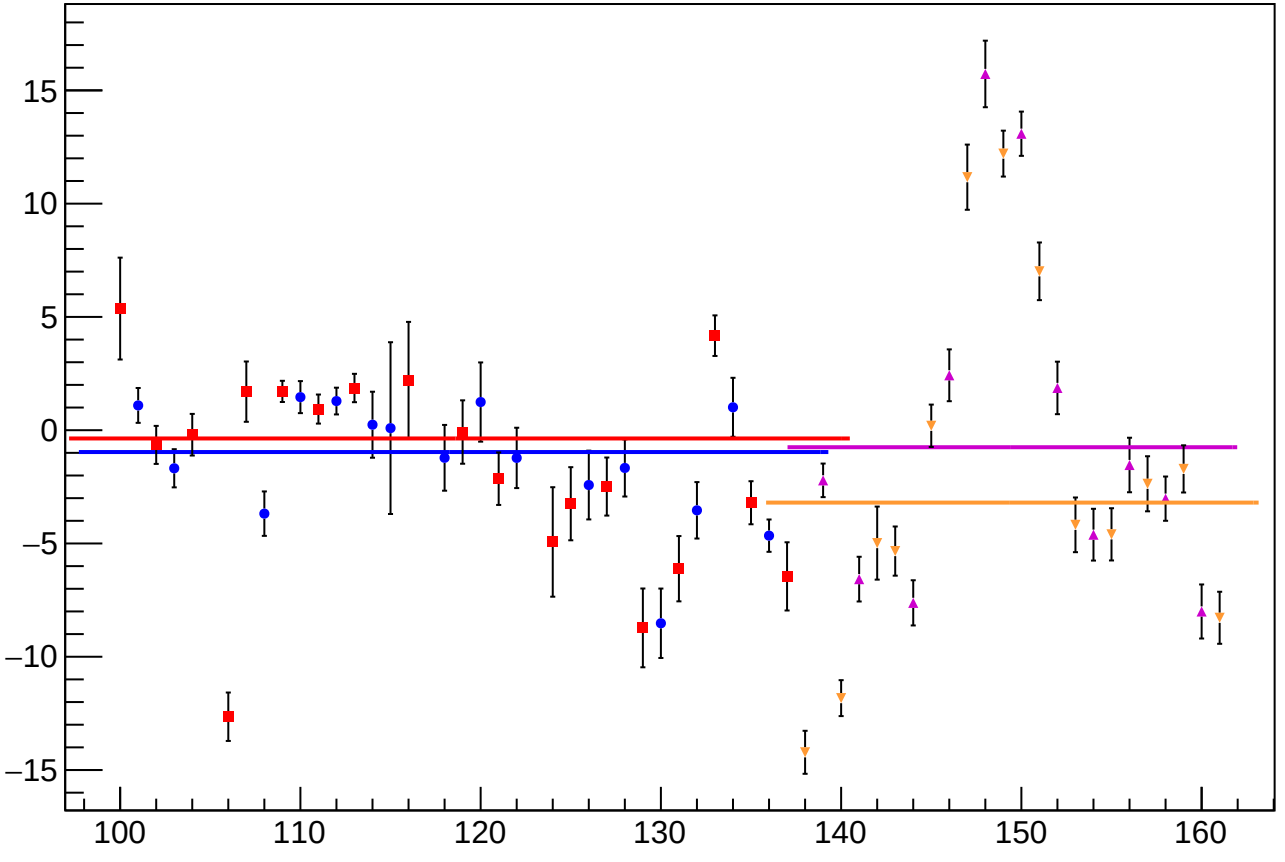
Left In: -0.645+/-0.026 χ^2/NDF:554.0/10

+ sign -0.682+/-0.022 χ^2/NDF: 1428.3/28

All: -0.737+/-0.016 χ^2/NDF: 3134.7/58

- sign -0.796+/-0.023 χ^2/NDF: 1693.9/29

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -3.195+/-0.302 χ^2/NDF:690.9/12

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

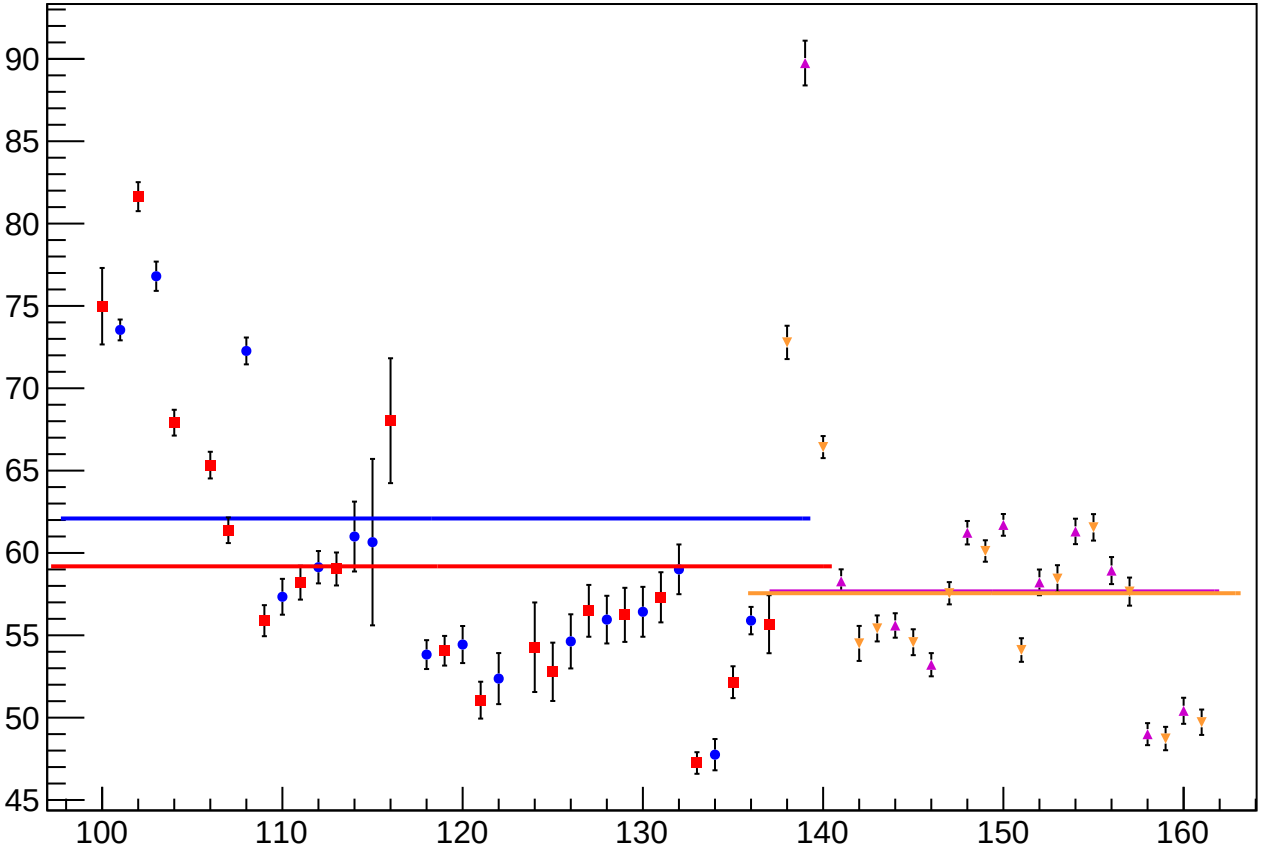
Left In: -0.751+/-0.315 χ^2/NDF:479.6/10

+ sign -1.884+/-0.194 χ^2/NDF: 826.1/28

All: -1.146+/-0.133 χ^2/NDF: 1614.6/58

- sign -0.495+/-0.182 χ^2/NDF: 761.2/29

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 57.555+/-0.214 χ^2/NDF:754.4/12

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

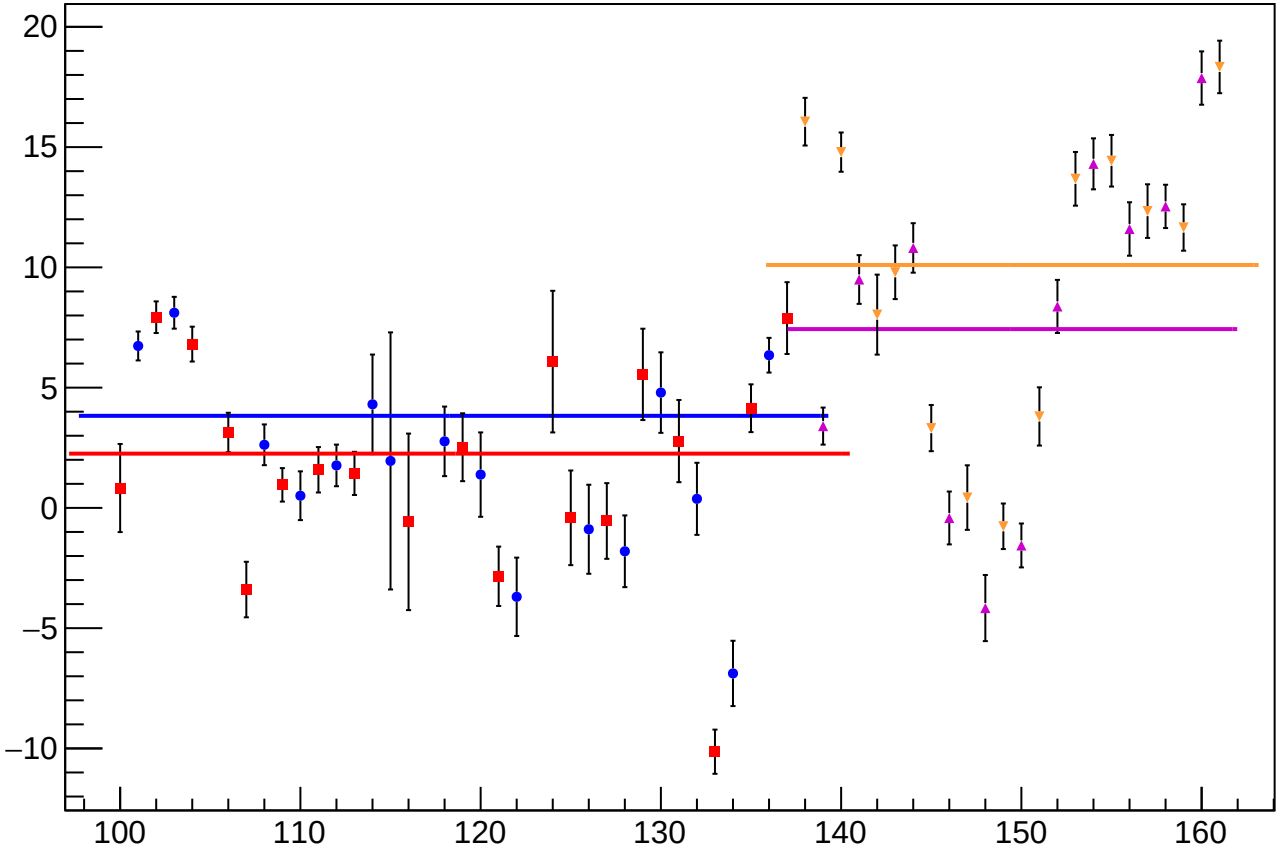
Left In: 57.667+/-0.228 χ^2/NDF:945.2/10

+ sign 59.341+/-0.166 χ^2/NDF: 2233.1/28

All: 58.860+/-0.118 χ^2/NDF: 4617.8/58

- sign 58.378+/-0.167 χ^2/NDF: 2368.1/29

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 10.099+/-0.295 χ^2/NDF:421.5/12

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

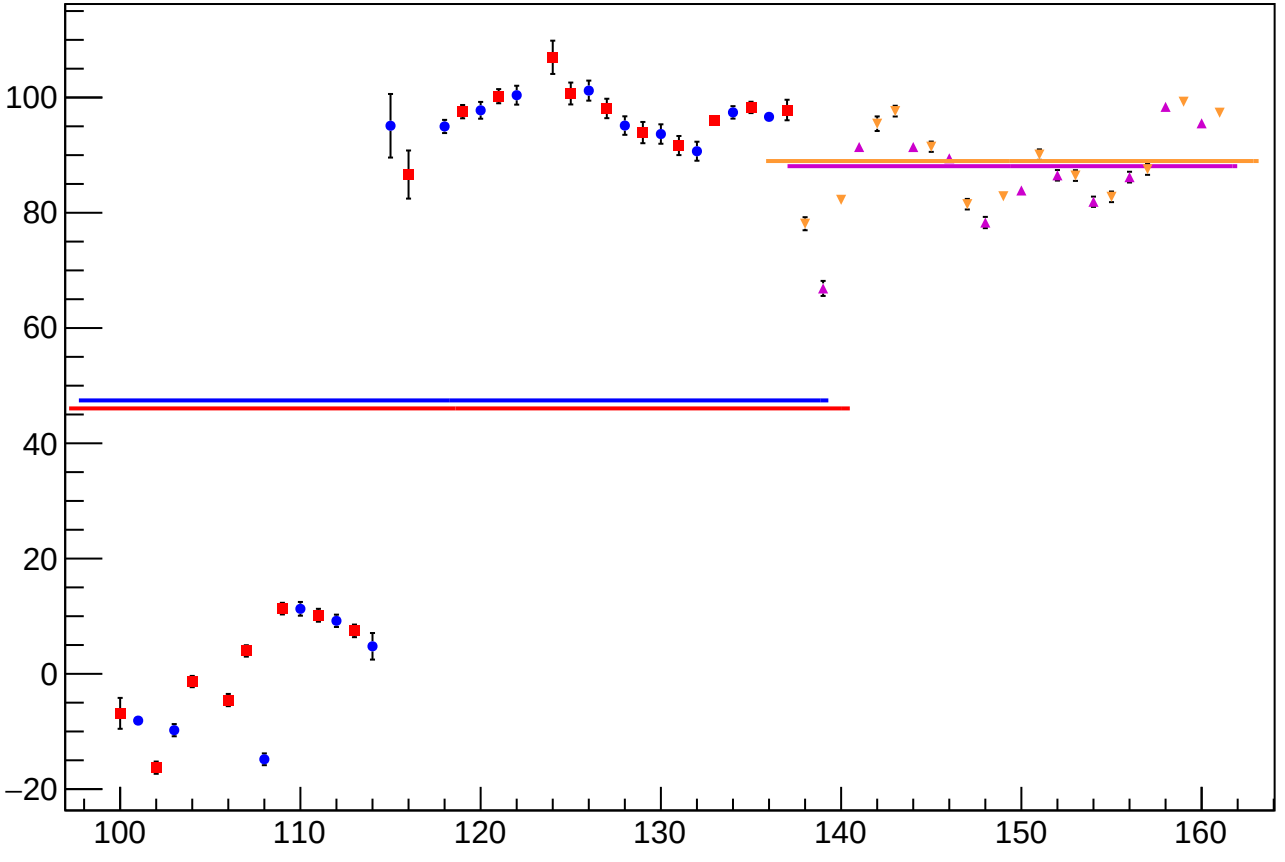
Left In: 7.434+/-0.305 χ^2/NDF:439.2/10

+ sign 6.635+/-0.197 χ^2/NDF: 880.2/28

All: 5.435+/-0.137 χ^2/NDF: 1937.5/58

- sign 4.300+/-0.192 χ^2/NDF: 985.3/29

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 88.975+/-0.249 χ^2/NDF:763.6/12

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

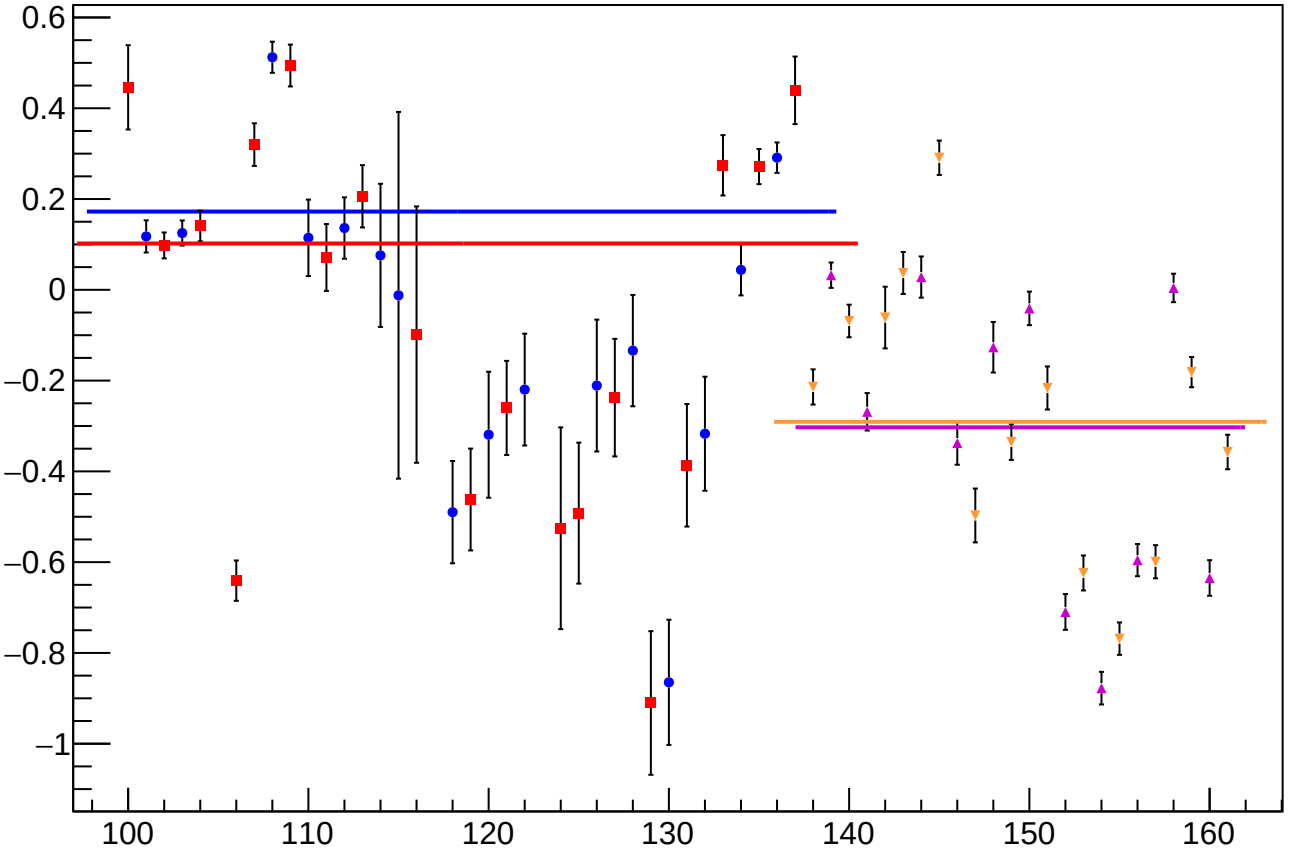
Left In: 88.084+/-0.264 χ^2/NDF:772.5/10

+ sign 72.545+/-0.194 χ^2/NDF: 38636.1/28

All: 70.593+/-0.137 χ^2/NDF: 80247.2/58

- sign 68.647+/-0.193 χ^2/NDF: 41408.4/29

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.291+/-0.011 χ^2/NDF:695.0/12

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

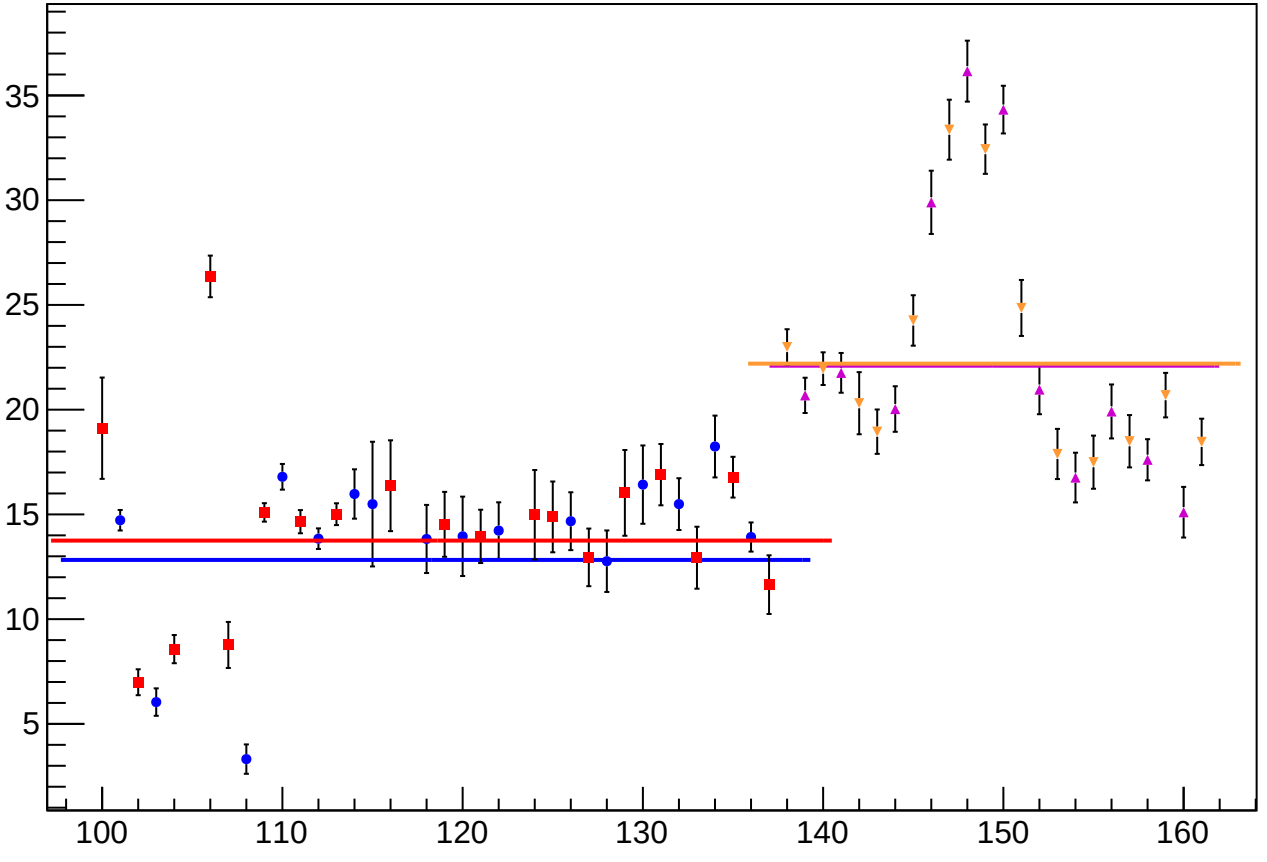
Left In: -0.303+/-0.011 χ^2/NDF:856.8/10

+ sign -0.113+/-0.009 χ^2/NDF: 1619.2/28

All: -0.123+/-0.006 χ^2/NDF: 3566.4/58

- sign -0.134+/-0.009 χ^2/NDF: 1944.1/29

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.197+/-0.309 χ^2/NDF:204.1/12

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

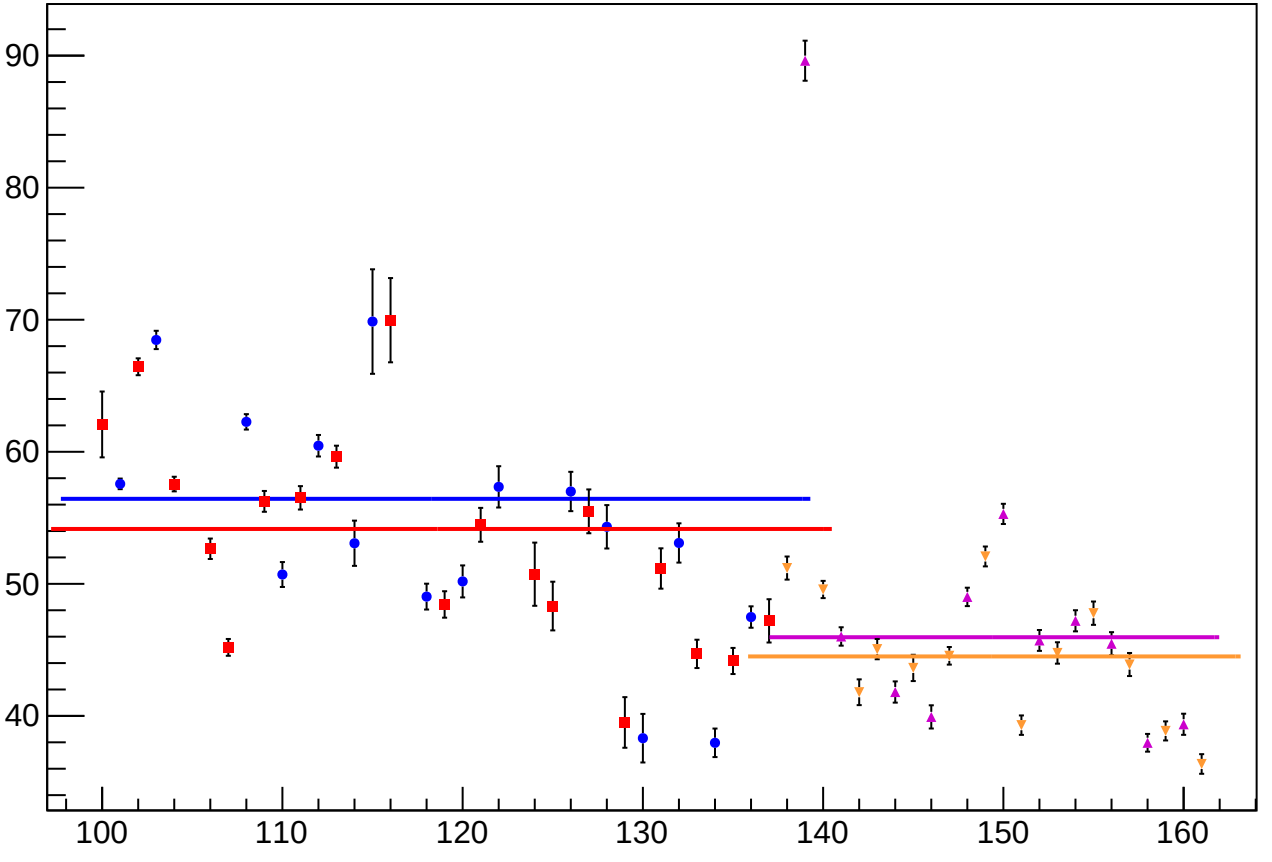
Left In: 22.099+/-0.337 χ^2/NDF:320.4/10

+ sign 15.869+/-0.176 χ^2/NDF: 1214.2/28

All: 15.930+/-0.124 χ^2/NDF: 2387.7/58

- sign 15.991+/-0.175 χ^2/NDF: 1173.3/29

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 44.503+/-0.218 χ^2/NDF:474.4/12

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

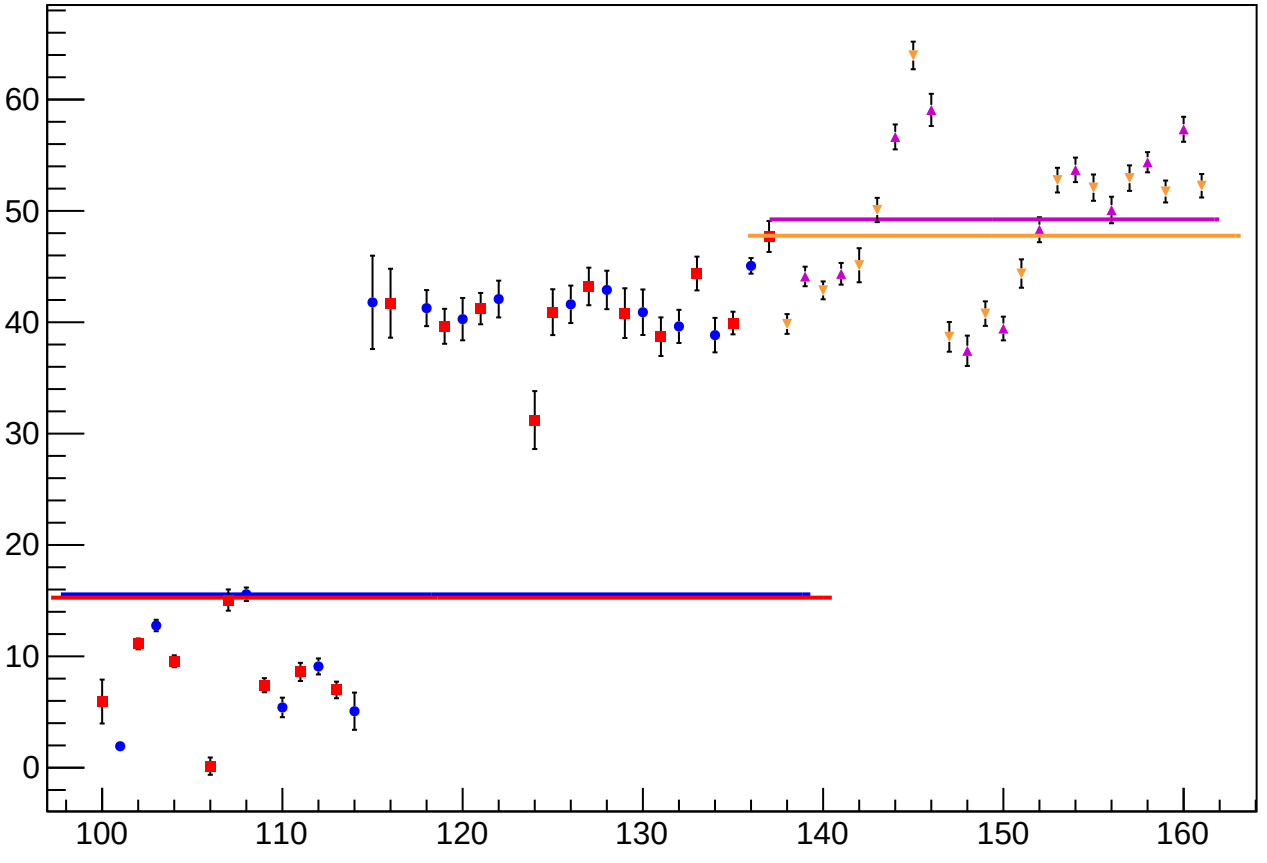
Left In: 45.958+/-0.240 χ^2/NDF:1282.2/10

+ sign 50.357+/-0.155 χ^2/NDF: 3037.4/28

All: 50.345+/-0.113 χ^2/NDF: 5948.3/58

- sign 50.331+/-0.164 χ^2/NDF: 2910.9/29

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 47.769+/-0.302 χ^2/NDF:477.6/12

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

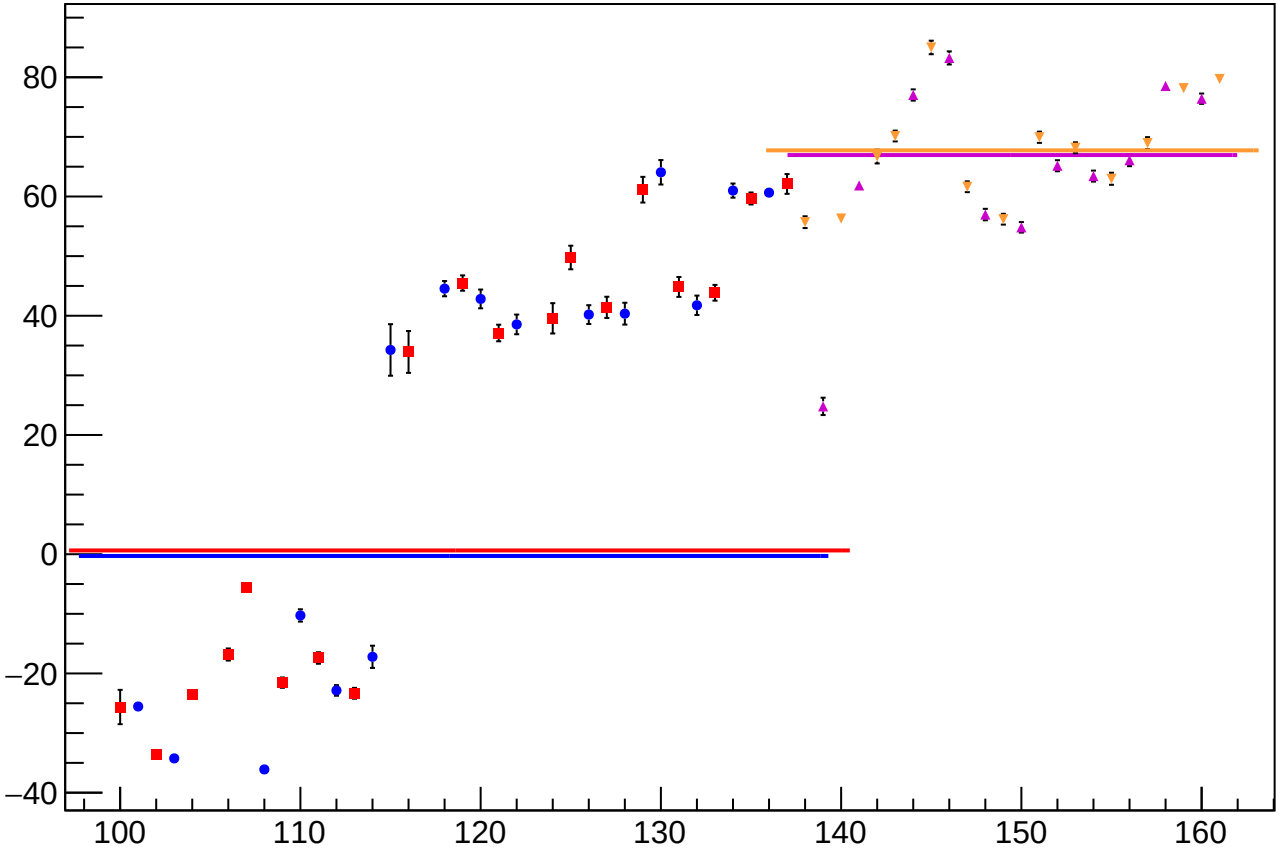
Left In: 49.237+/-0.326 χ^2/NDF:410.9/10

+ sign 26.331+/-0.175 χ^2/NDF: 13228.9/28

All: 26.091+/-0.126 χ^2/NDF: 24984.7/58

- sign 25.830+/-0.182 χ^2/NDF: 11751.8/29

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 67.741+/-0.254 χ^2/NDF:1256.1/12

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

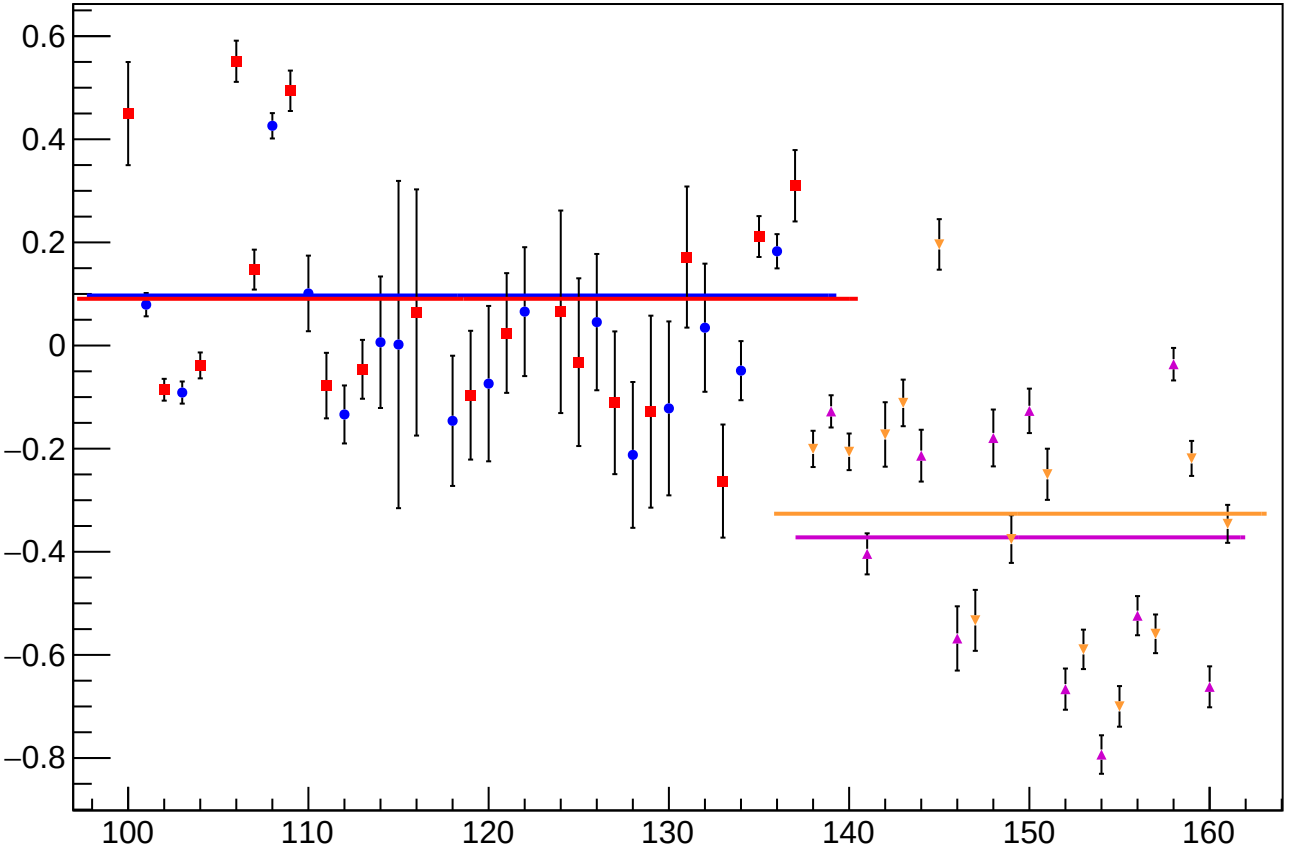
Left In: 66.951+/-0.278 χ^2/NDF:1914.9/10

+ sign 34.639+/-0.182 χ^2/NDF: 57072.7/28

All: 33.393+/-0.132 χ^2/NDF: 105069.9/58

- sign 32.022+/-0.191 χ^2/NDF: 47899.1/29

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.326+/-0.011 χ^2/NDF:368.4/12

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

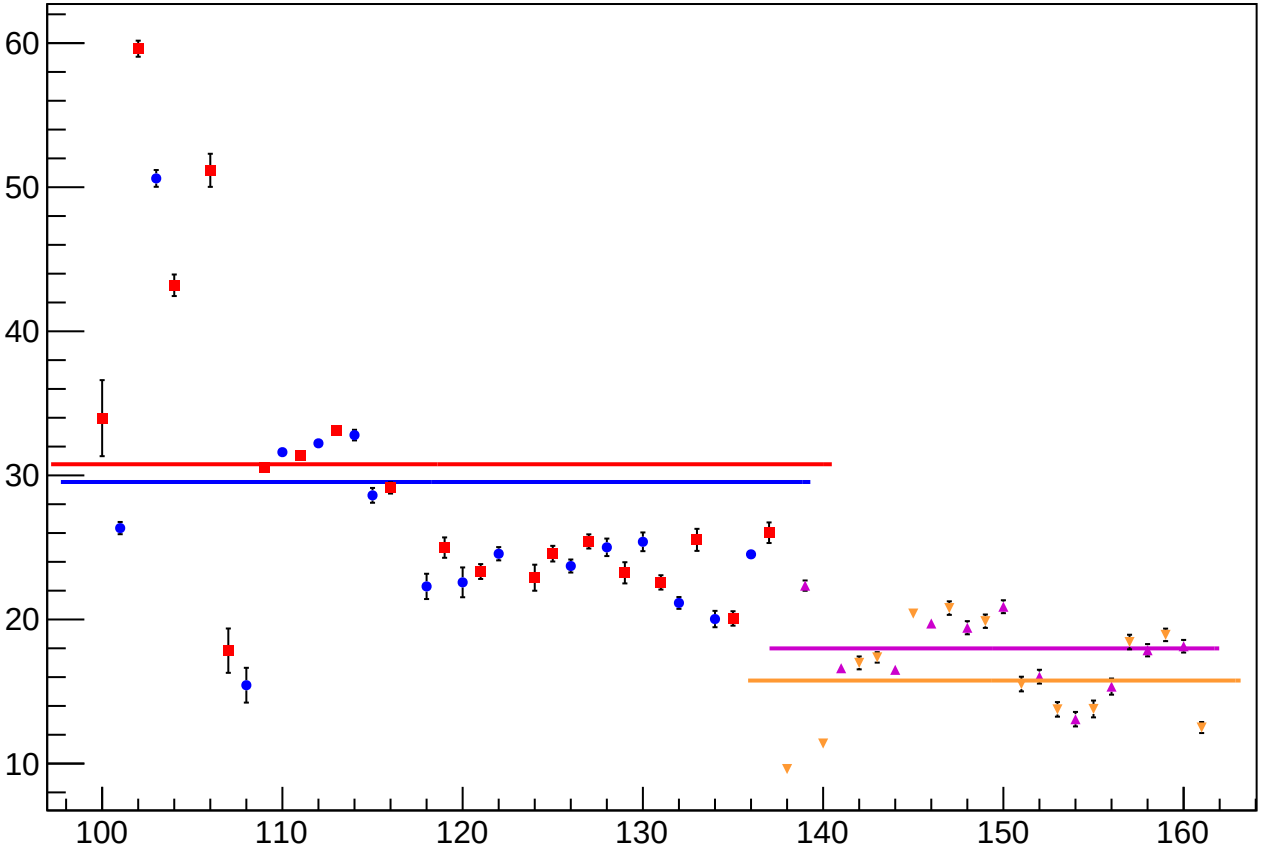
Left In: -0.372+/-0.012 χ^2/NDF:490.3/10

+ sign -0.109+/-0.008 χ^2/NDF: 1361.9/28

All: -0.118+/-0.006 χ^2/NDF: 3030.2/58

- sign -0.127+/-0.008 χ^2/NDF: 1666.0/29

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.762+/-0.109 χ^2/NDF:1290.0/12

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

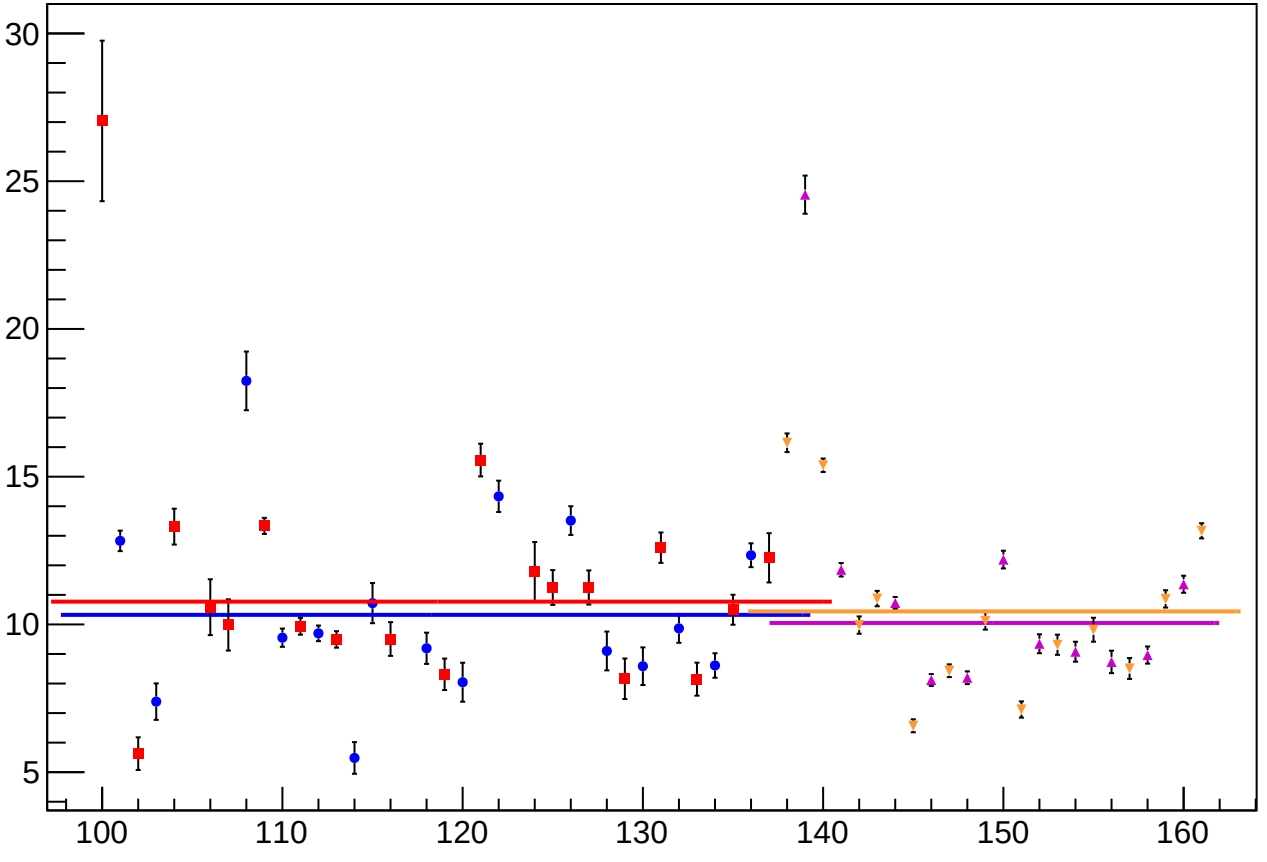
Left In: 17.993+/-0.118 χ^2/NDF:407.6/10

\+ sign 23.809+/-0.070 χ^2/NDF: 14003.5/28

All: 25.367+/-0.048 χ^2/NDF: 28411.7/58

\- sign 26.757+/-0.066 χ^2/NDF: 13478.4/29

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.441+/-0.076 χ^2/NDF:1501.4/12

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

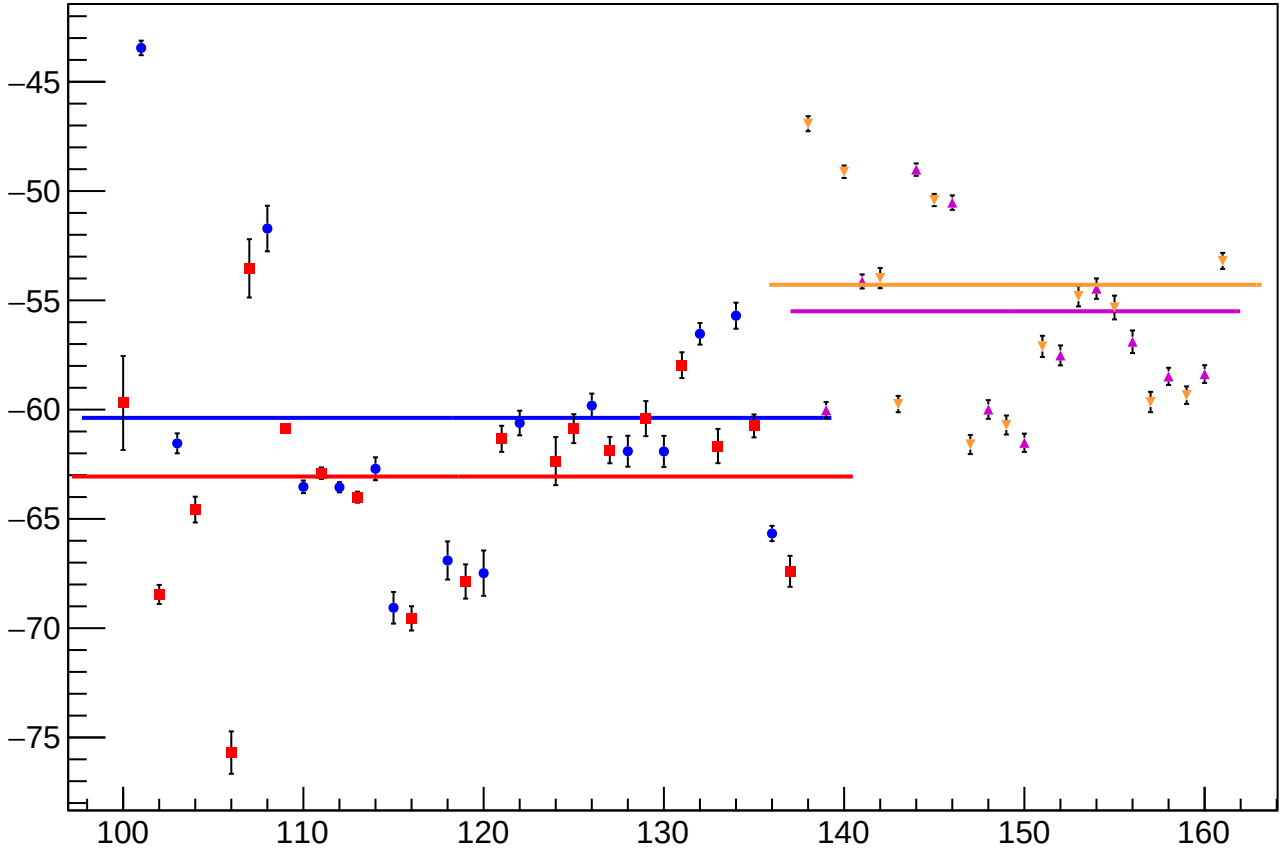
Left In: 10.049+/-0.081 χ^2/NDF:855.0/10

+ sign 10.405+/-0.063 χ^2/NDF: 1904.8/28

All: 10.352+/-0.046 χ^2/NDF: 3204.0/58

- sign 10.294+/-0.066 χ^2/NDF: 1297.8/29

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -54.288+/-0.108 χ^2/NDF:2028.9/12

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

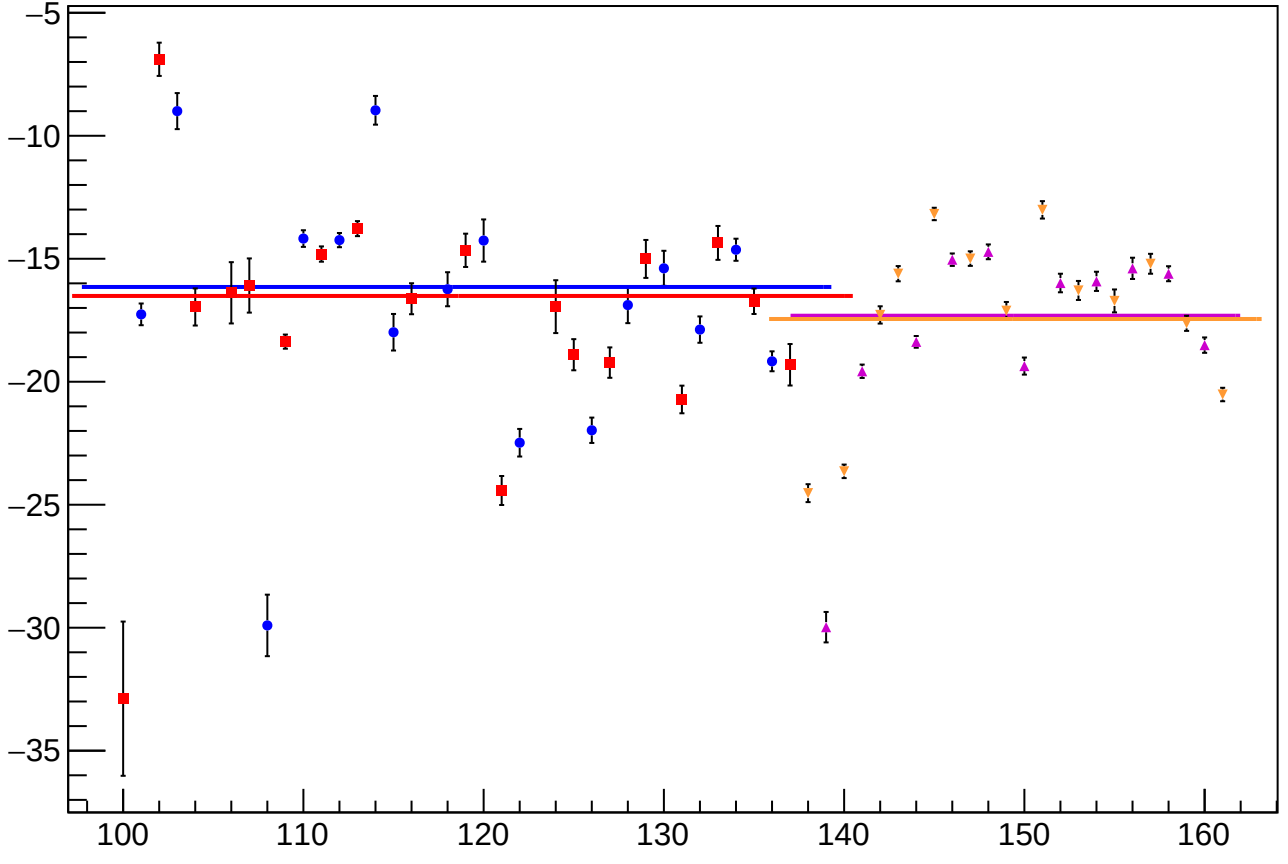
Left In: -55.500+/-0.115 χ^2/NDF:1362.8/10

+ sign -57.184+/-0.078 χ^2/NDF: 7148.9/28

All: -58.362+/-0.055 χ^2/NDF: 12118.1/58

- sign -59.560+/-0.079 χ^2/NDF: 4508.7/29

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.449+/-0.090 χ^2/NDF:1600.8/12

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

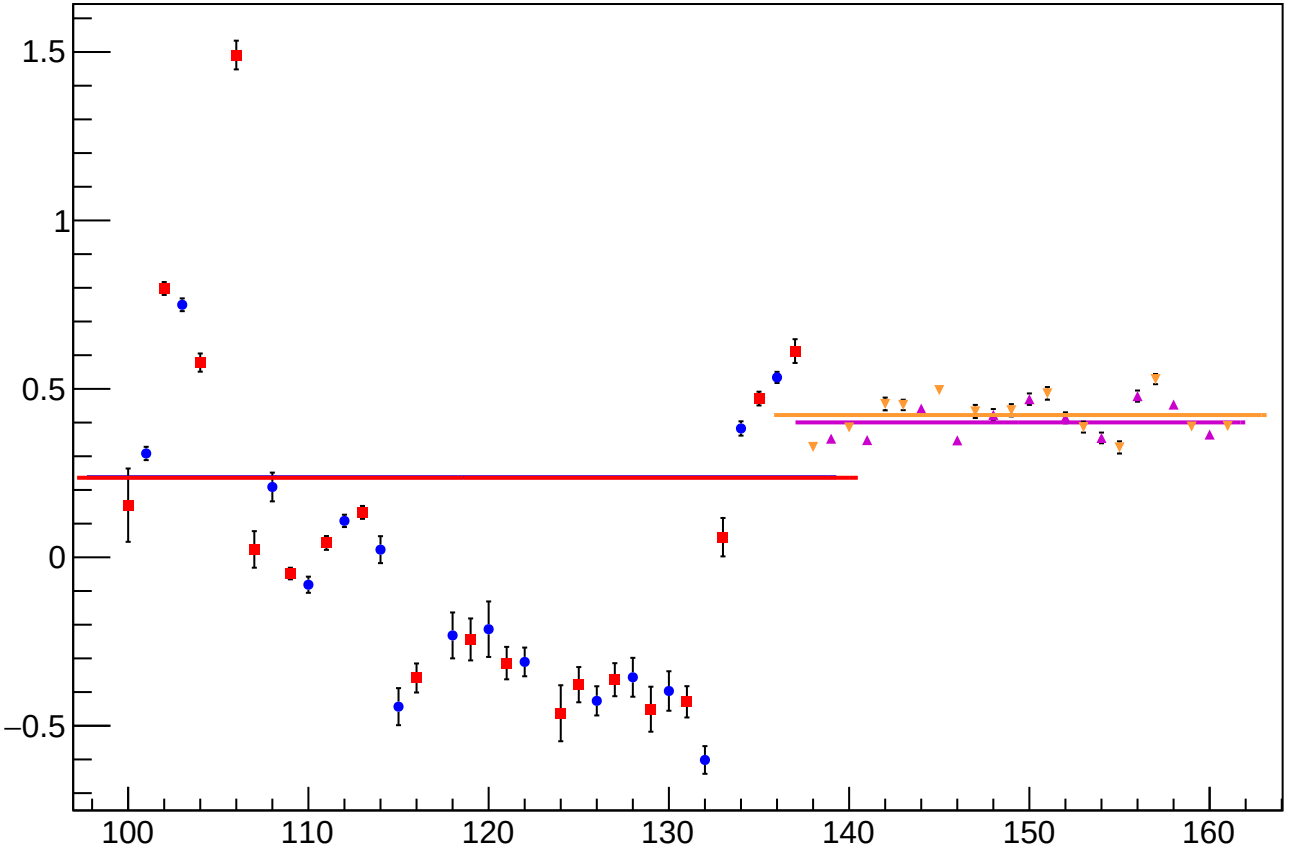
Left In: -17.316+/-0.096 χ^2/NDF:788.0/10

+ sign -17.014+/-0.073 χ^2/NDF: 2467.7/28

All: -17.015+/-0.053 χ^2/NDF: 3966.5/58

- sign -17.017+/-0.076 χ^2/NDF: 1498.8/29

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.422+/-0.004 χ^2/NDF:213.5/12

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

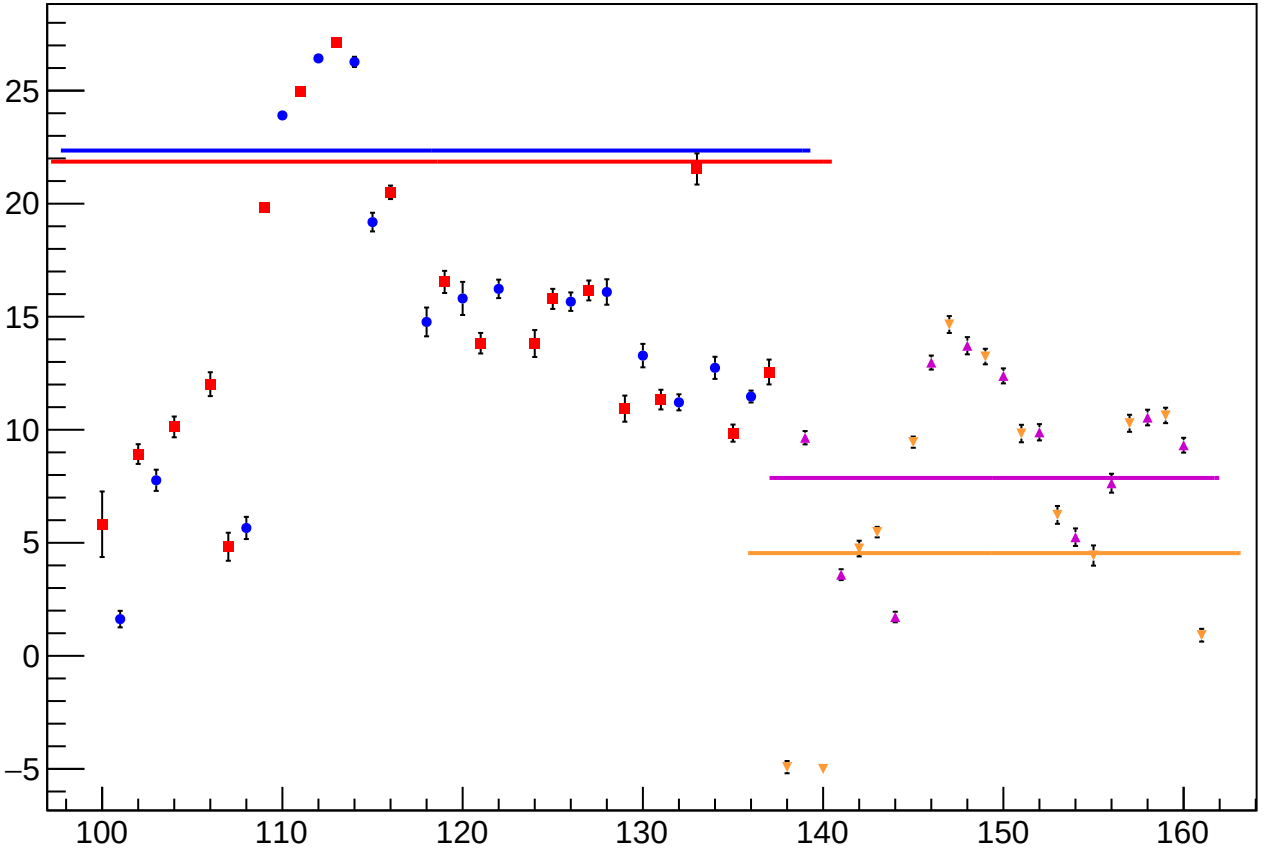
Left In: 0.400+/-0.004 χ^2/NDF:123.8/10

\+ sign 0.375+/-0.004 χ^2/NDF: 3352.5/28

All: 0.365+/-0.003 χ^2/NDF: 7472.3/58

\- sign 0.354+/-0.004 χ^2/NDF: 4104.7/29

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 4.545+/-0.084 χ^2/NDF:5909.4/12

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

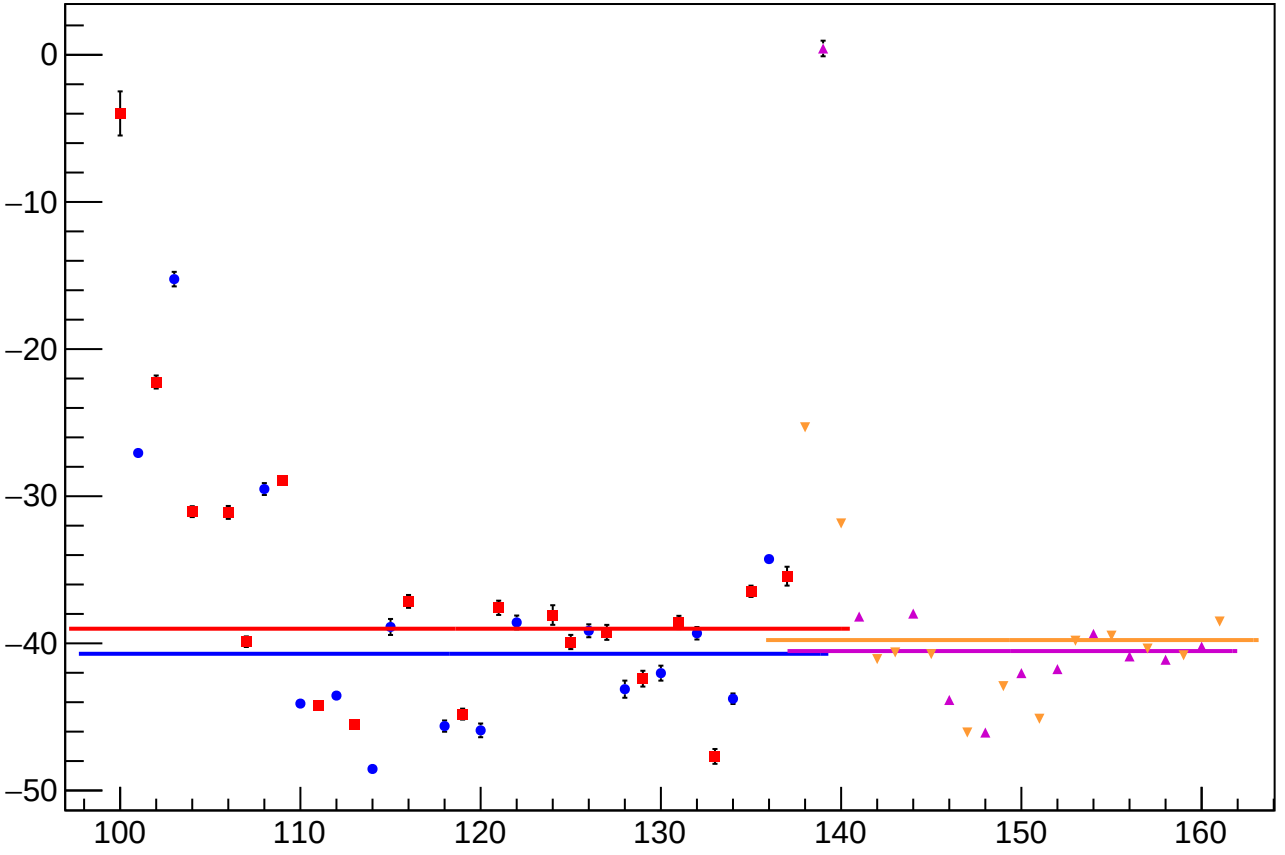
Left In: 7.869+/-0.095 χ^2/NDF:1894.4/10

+ sign 16.833+/-0.047 χ^2/NDF: 48959.6/28

All: 18.142+/-0.031 χ^2/NDF: 80499.5/58

- sign 19.169+/-0.042 χ^2/NDF: 30154.0/29

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.777+/-0.059 χ^2/NDF:7378.7/12

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

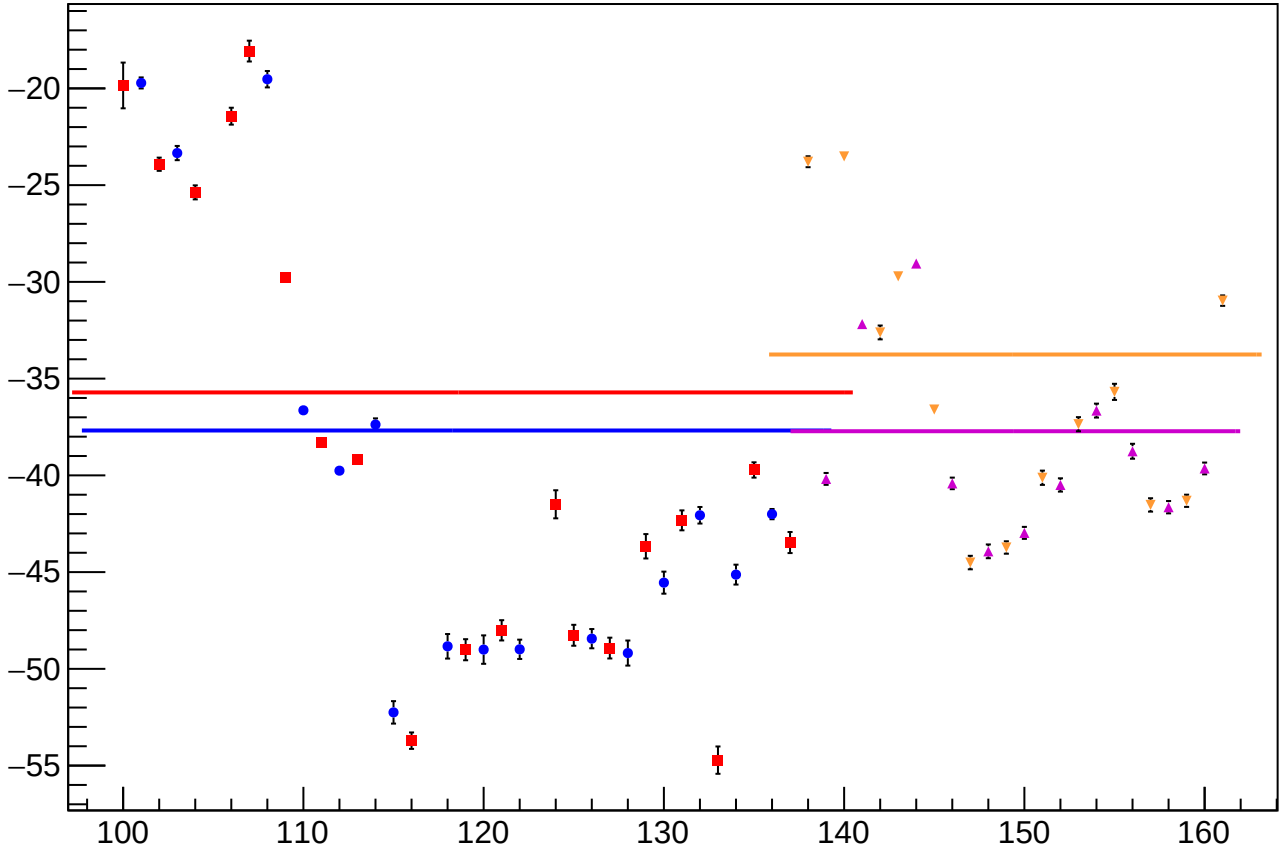
Left In: -40.524+/-0.065 χ^2/NDF:7706.7/10

+ sign -40.124+/-0.047 χ^2/NDF: 15252.2/28

All: -39.980+/-0.034 χ^2/NDF: 33327.2/58

- sign -39.826+/-0.048 χ^2/NDF: 18055.3/29

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -33.753+/-0.083 χ^2/NDF:7339.9/12

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

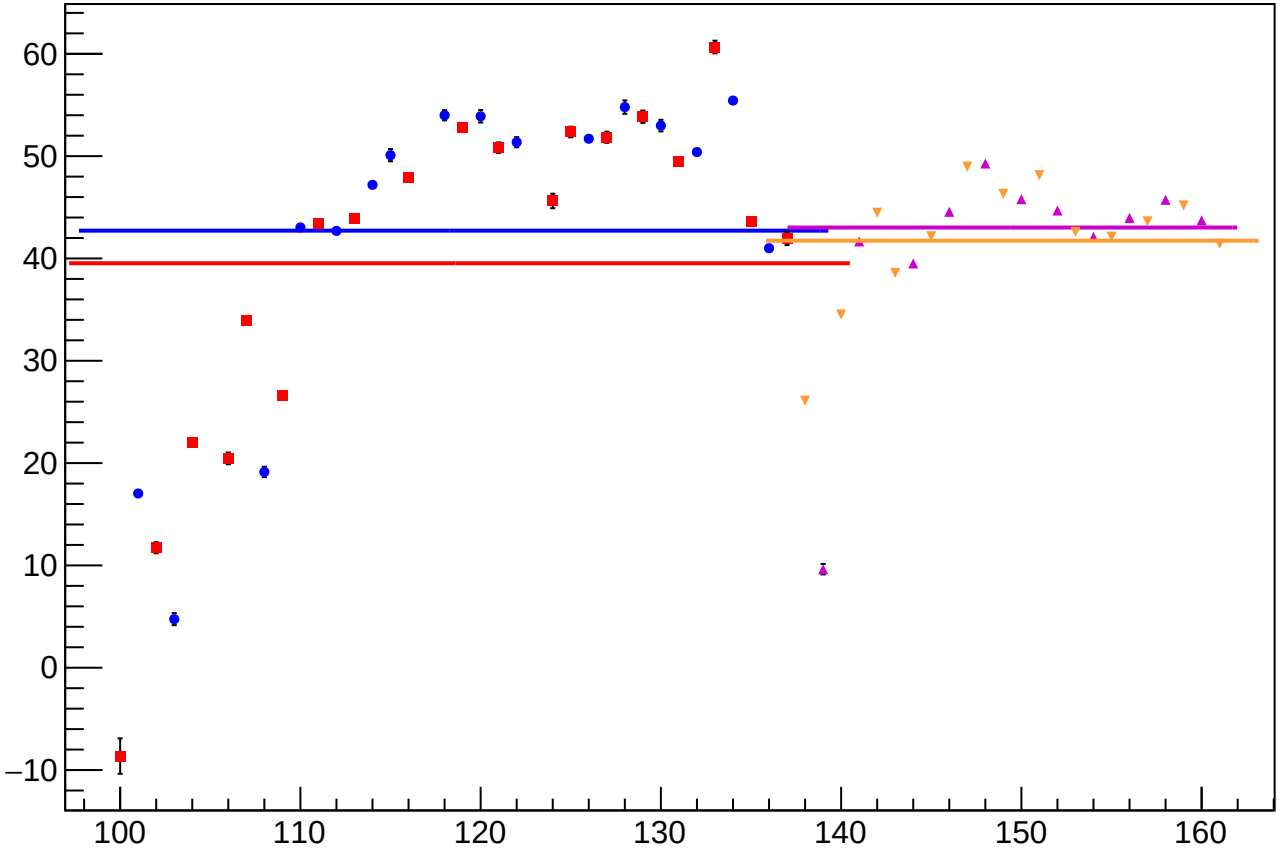
Left In: -37.718+/-0.092 χ^2/NDF:2814.0/10

+ sign -35.953+/-0.055 χ^2/NDF: 19441.4/28

All: -36.170+/-0.038 χ^2/NDF: 35876.7/58

- sign -36.368+/-0.053 χ^2/NDF: 16405.8/29

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.738+/-0.069 χ^2/NDF:6253.7/12

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

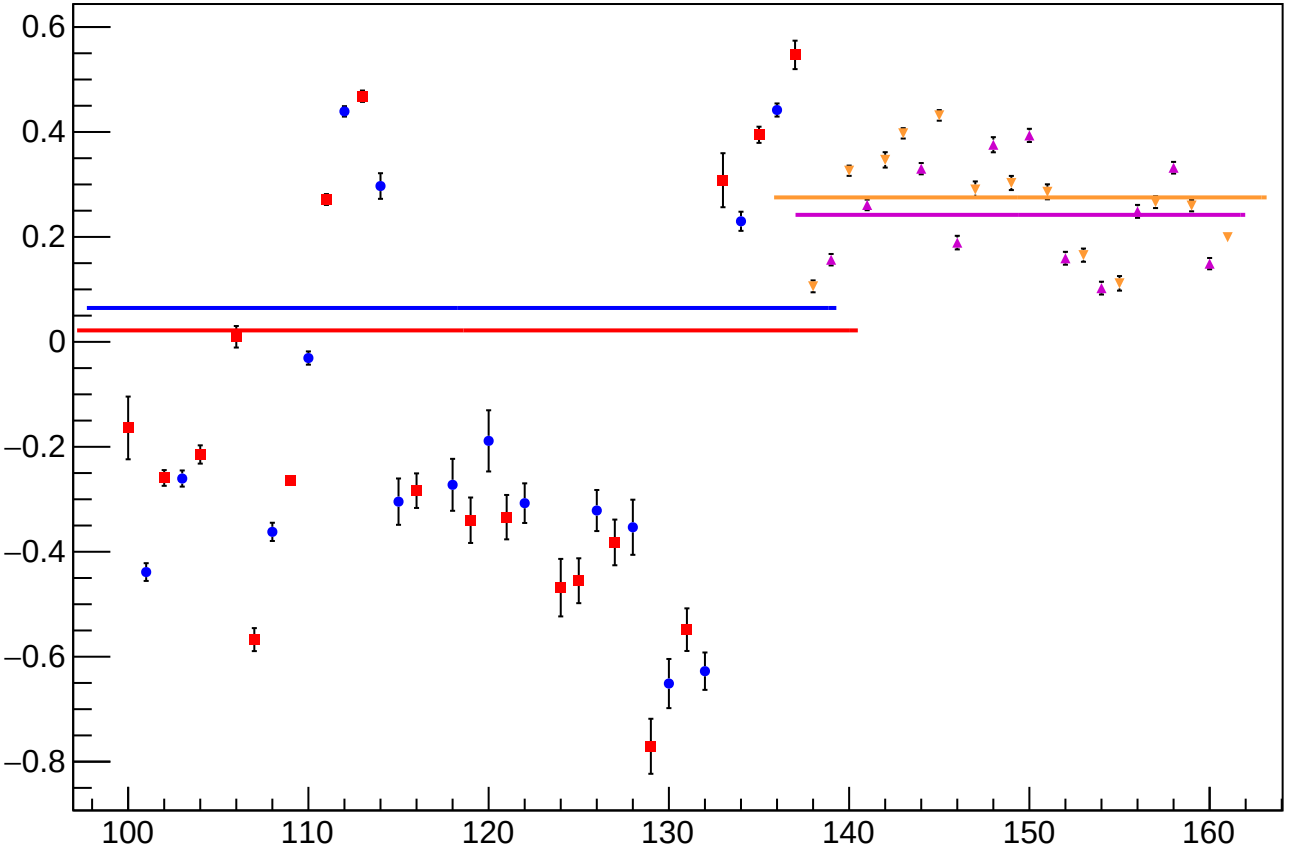
Left In: 43.024+/-0.077 χ^2/NDF:5612.1/10

\+ sign 42.130+/-0.054 χ^2/NDF: 21098.4/28

All: 41.725+/-0.038 χ^2/NDF: 45815.7/58

\- sign 41.304+/-0.055 χ^2/NDF: 24601.8/29

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.275+/-0.003 χ^2/NDF:950.8/12

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

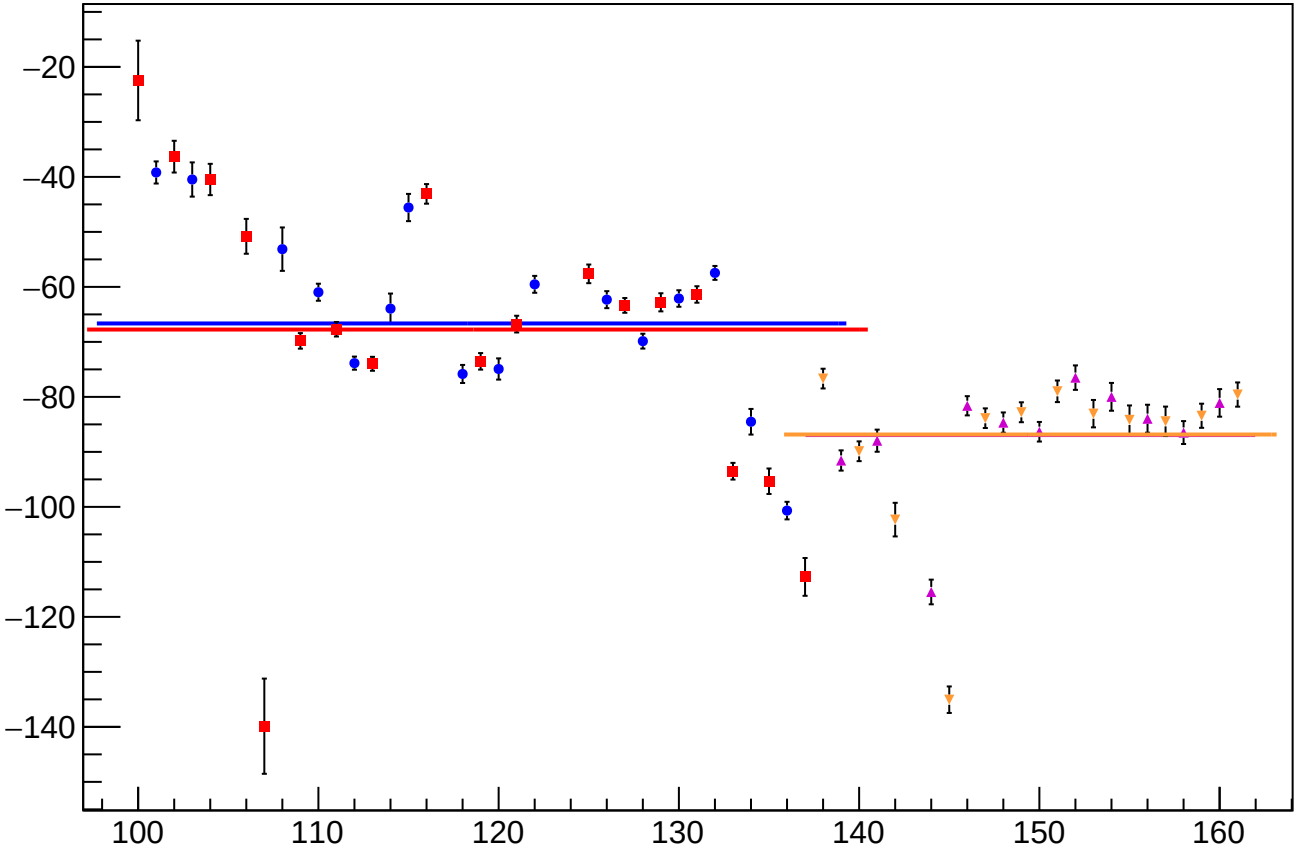
Left In: 0.242+/-0.004 χ^2/NDF:694.6/10

+ sign 0.211+/-0.003 χ^2/NDF: 7760.0/28

All: 0.184+/-0.002 χ^2/NDF: 16595.3/58

- sign 0.156+/-0.003 χ^2/NDF: 8631.4/29

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -86.840+/-0.616 χ^2/NDF:501.8/11

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

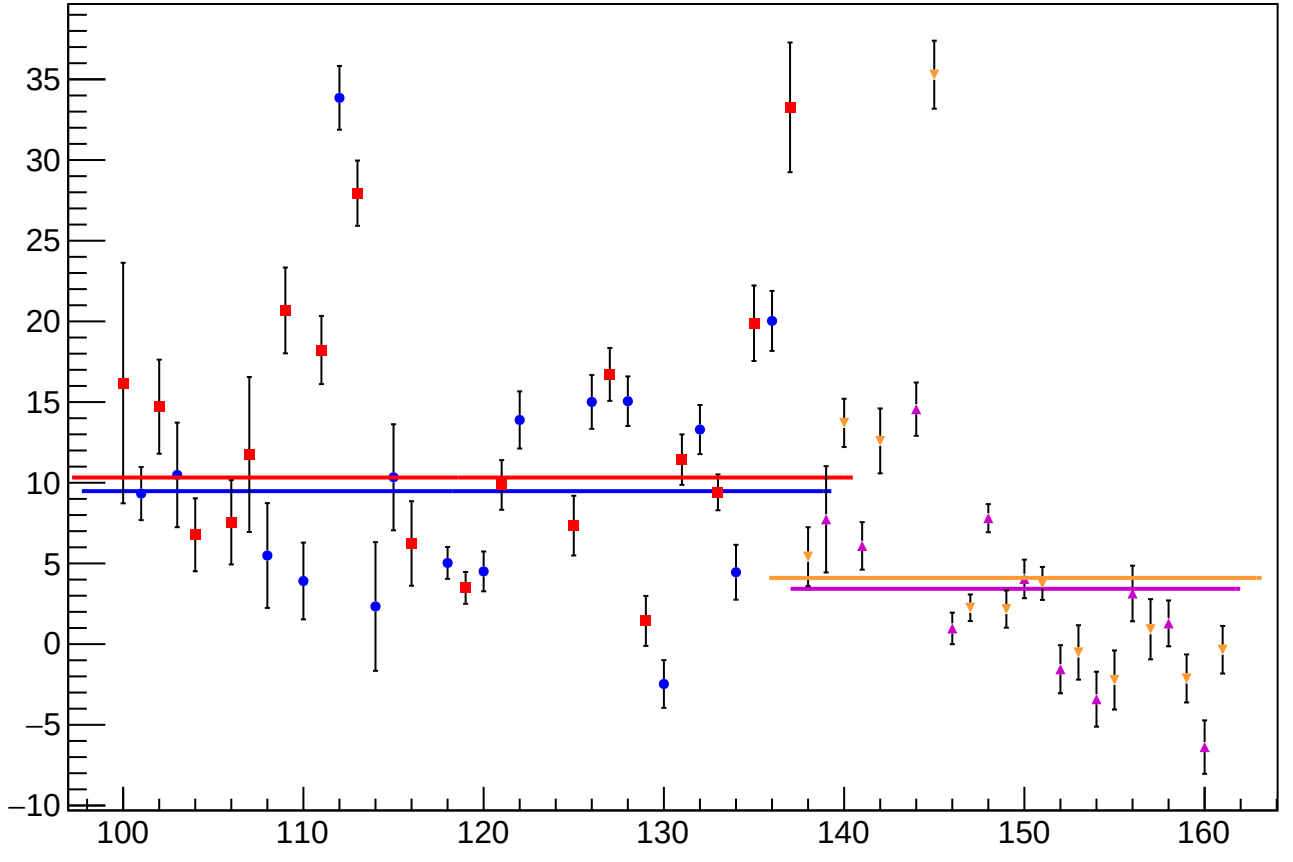
Left In: -86.939+/-0.623 χ^2/NDF:215.7/10

+ sign -73.183+/-0.350 χ^2/NDF: 2281.0/27

All: -73.466+/-0.247 χ^2/NDF: 4406.4/56

- sign -73.744+/-0.348 χ^2/NDF: 2124.2/28

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 4.104+/-0.400 χ^2/NDF:335.3/11

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

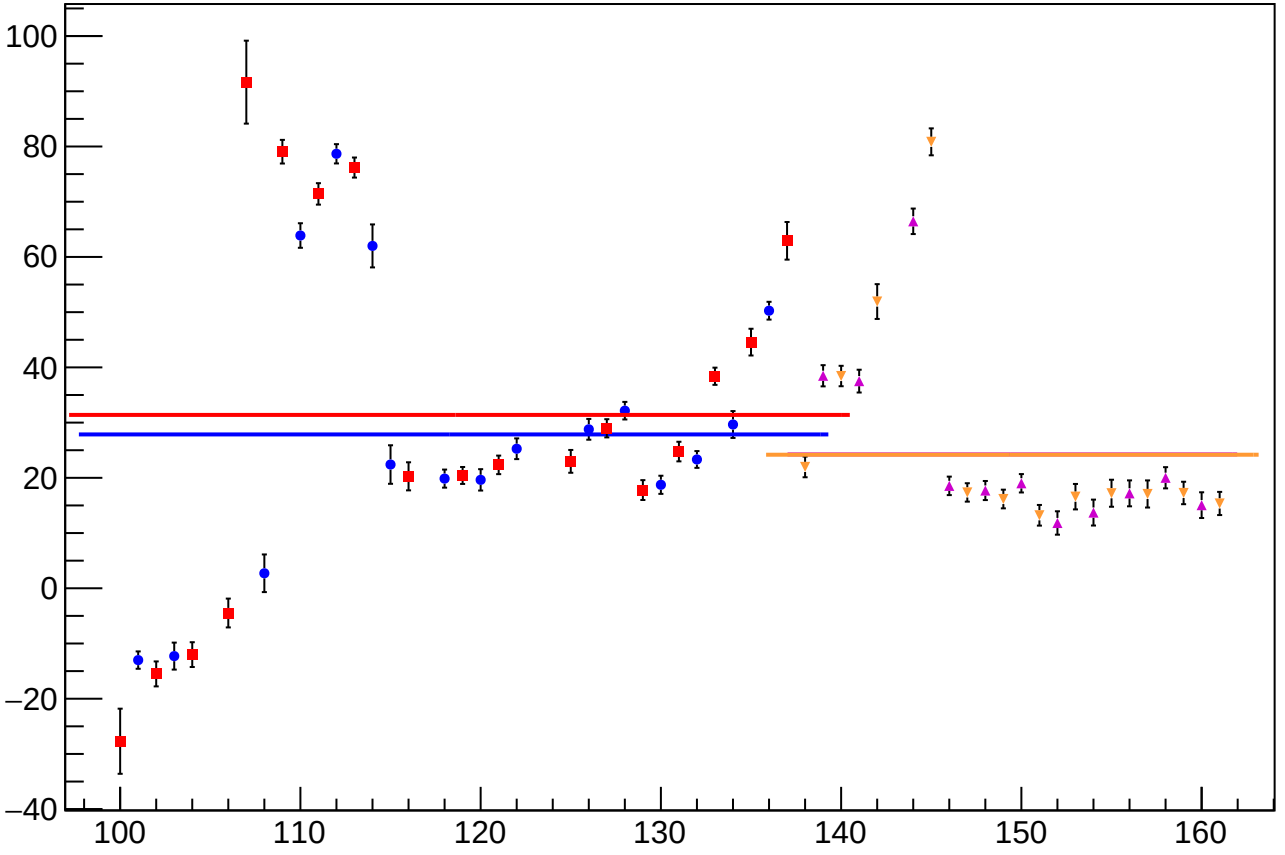
Left In: 3.428+/-0.409 χ^2/NDF:146.9/10

+ sign 6.608+/-0.292 χ^2/NDF: 761.4/27

All: 6.634+/-0.209 χ^2/NDF: 1304.9/56

- sign 6.661+/-0.298 χ^2/NDF: 543.4/28

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 24.184+/-0.594 χ^2/NDF:807.7/11

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

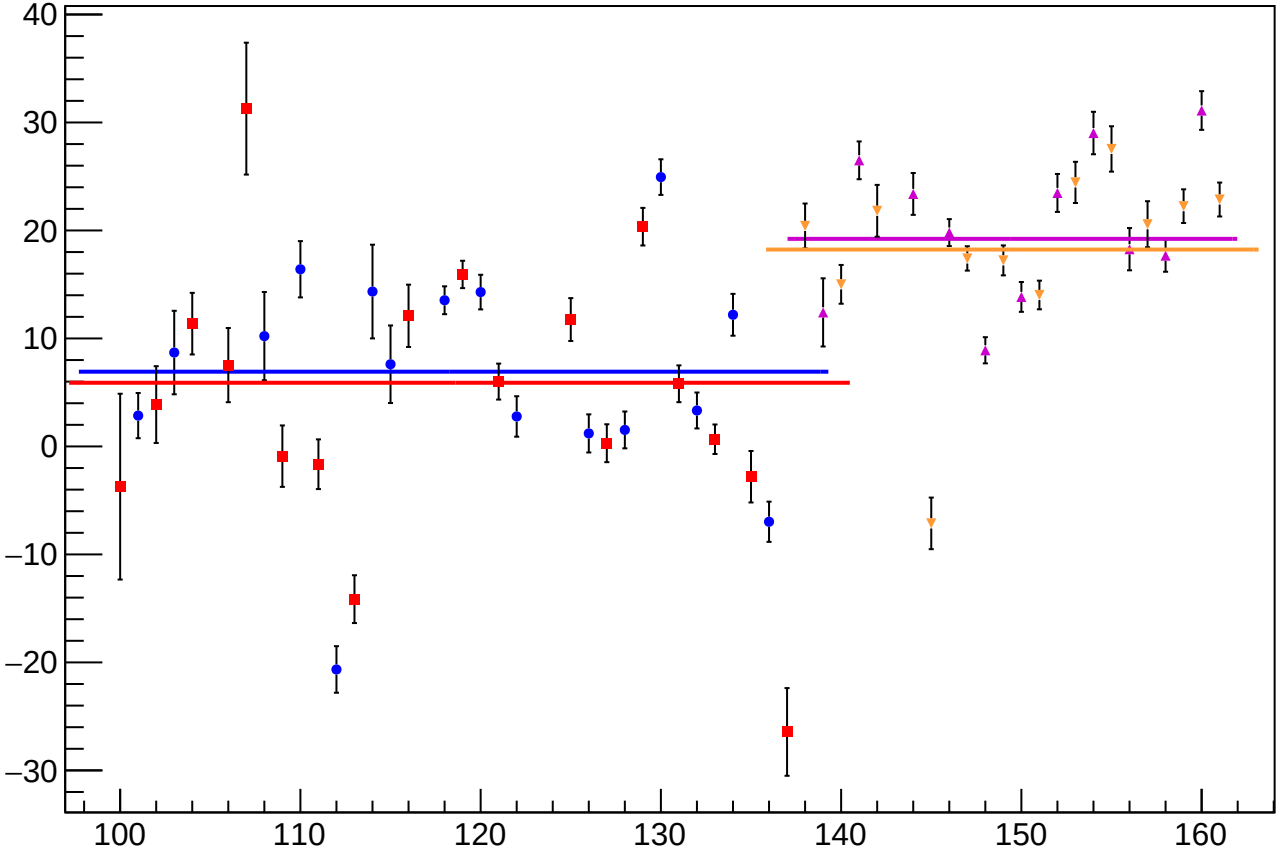
Left In: 24.239+/-0.599 χ^2/NDF:550.3/10

\+ sign 26.399+/-0.375 χ^2/NDF: 3304.8/27

All: 27.461+/-0.266 χ^2/NDF: 6968.6/56

\- sign 28.542+/-0.378 χ^2/NDF: 3647.6/28

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.232+/-0.482 χ^2/NDF:177.1/11

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

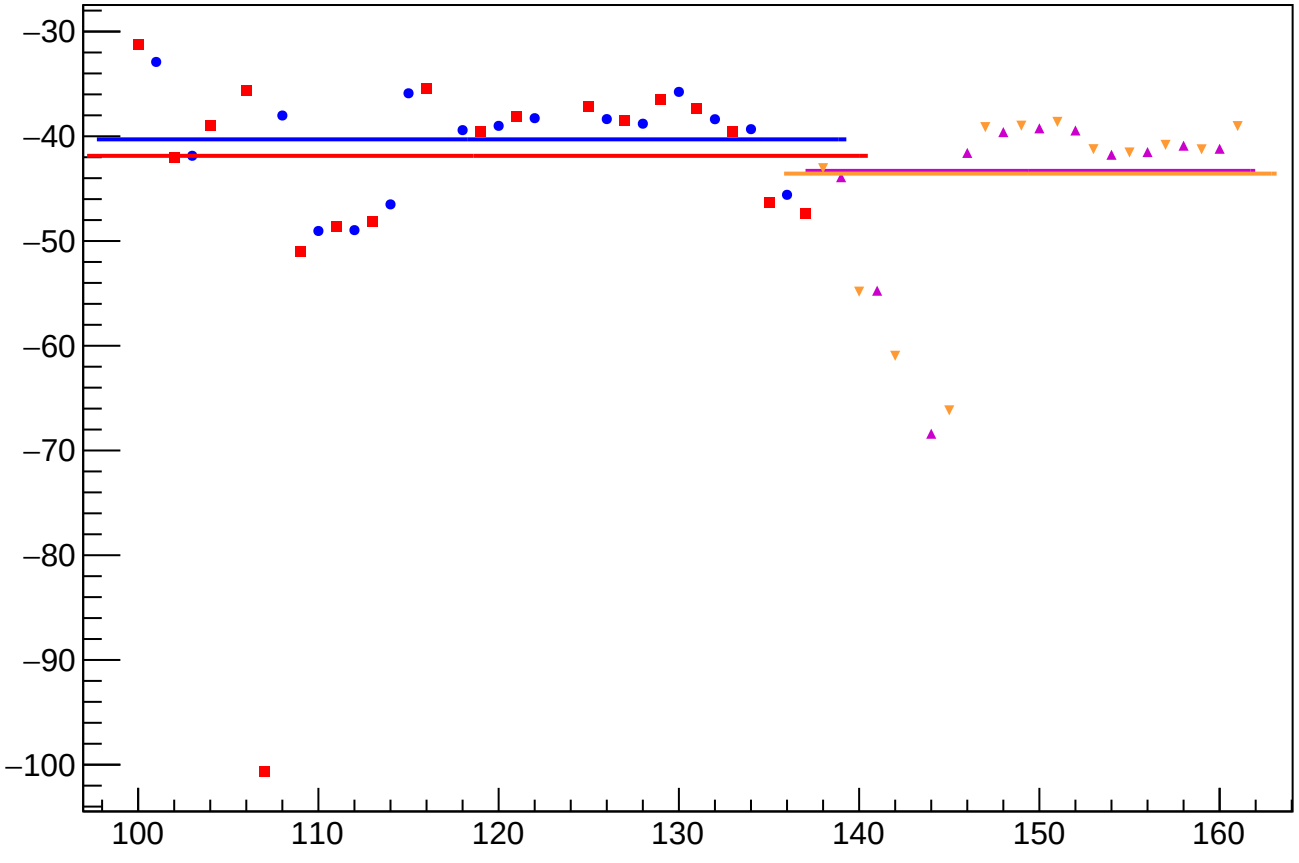
Left In: 19.223+/-0.491 χ^2/NDF:190.4/10

+ sign 12.733+/-0.346 χ^2/NDF: 889.0/27

All: 12.717+/-0.246 χ^2/NDF: 1807.3/56

- sign 12.700+/-0.351 χ^2/NDF: 918.2/28

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -43.565+/-0.023 χ^2/NDF:111798.0/11

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

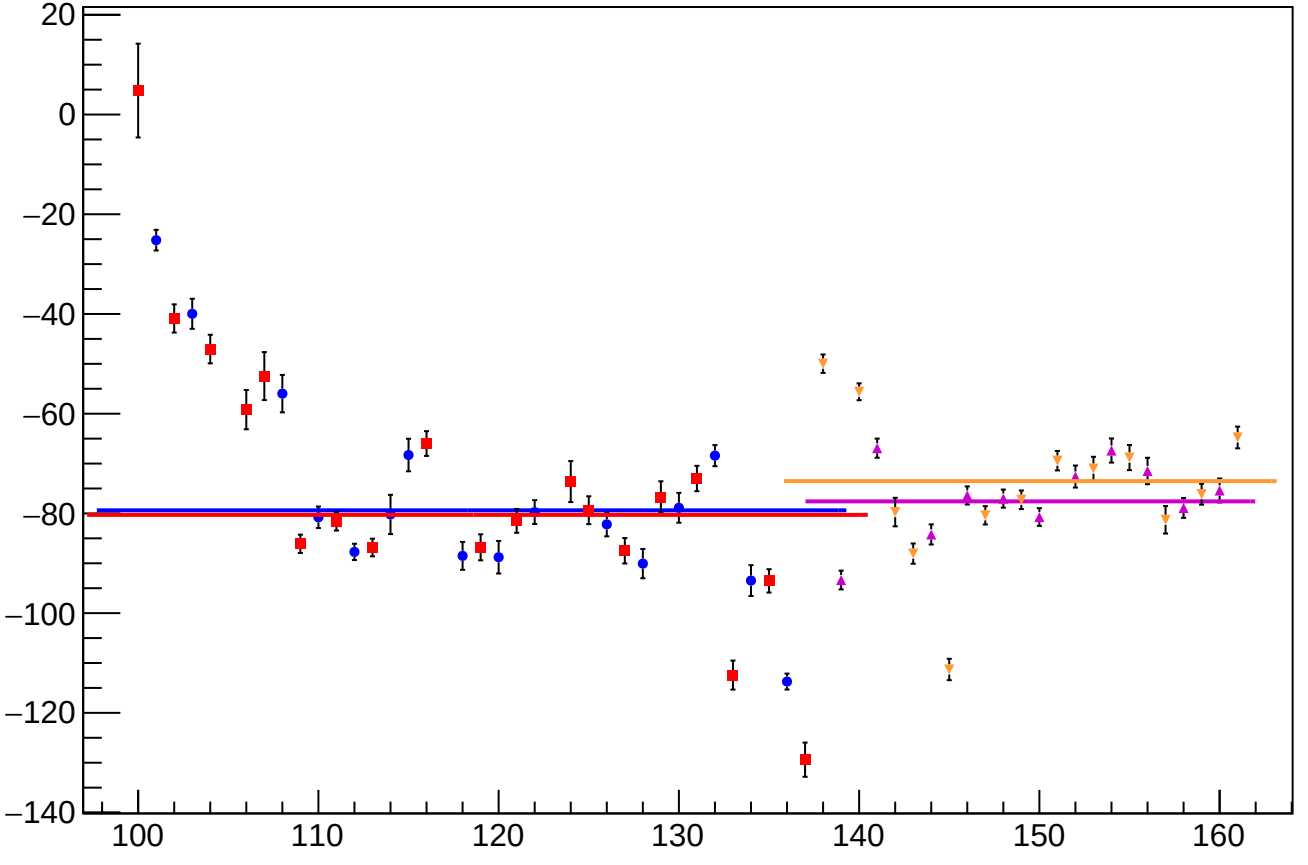
Left In: -43.304+/-0.023 χ^2/NDF:89391.2/10

+ sign -42.432+/-0.018 χ^2/NDF: 139559.2/27

All: -42.628+/-0.013 χ^2/NDF: 289249.6/56

- sign -42.826+/-0.019 χ^2/NDF: 149463.1/28

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -73.520+/-0.579 χ^2/NDF:695.2/12

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

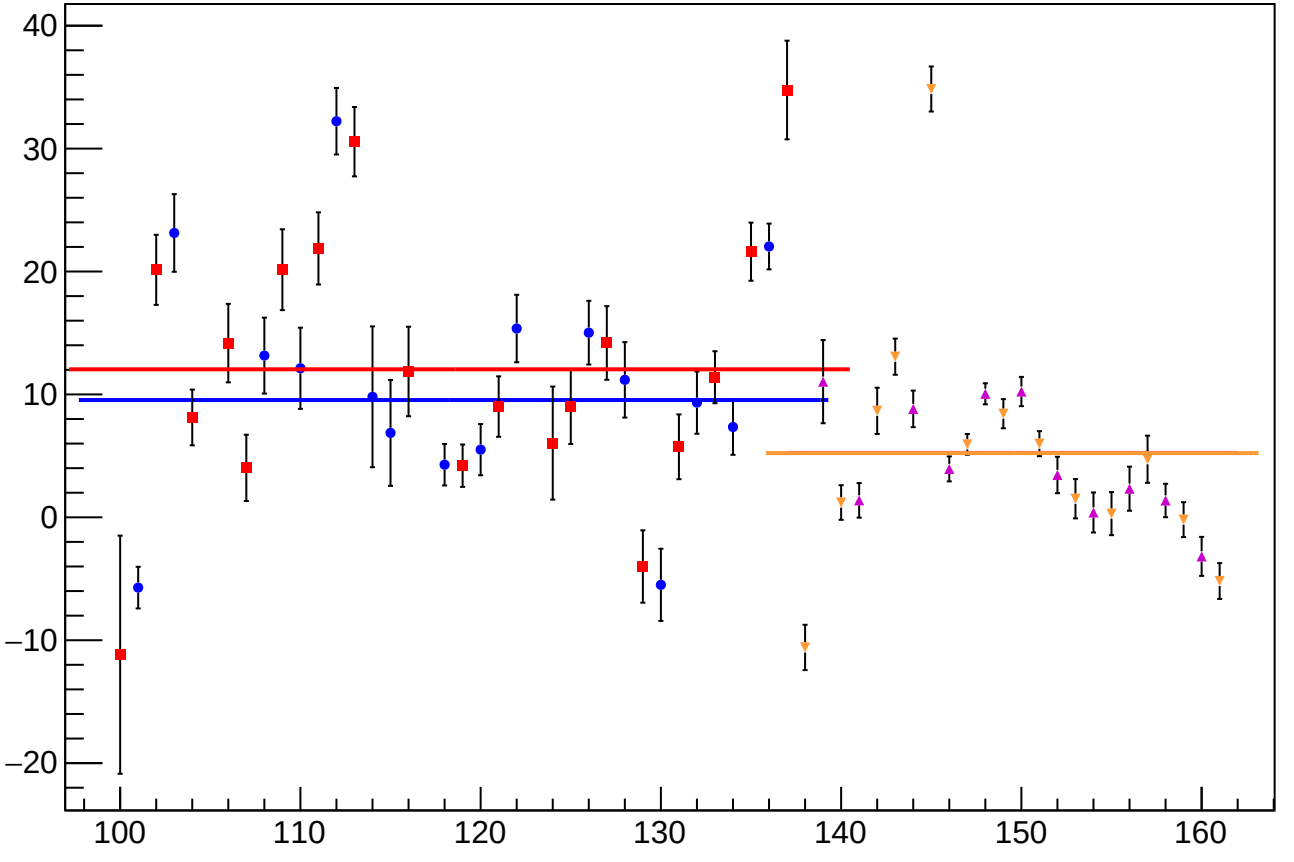
Left In: -77.585+/-0.613 χ^2/NDF:145.1/10

+ sign -76.294+/-0.420 χ^2/NDF: 2219.6/28

All: -77.596+/-0.301 χ^2/NDF: 3308.9/58

- sign -78.959+/-0.430 χ^2/NDF: 1069.7/29

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 5.225+/-0.381 χ^2/NDF:462.5/12

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

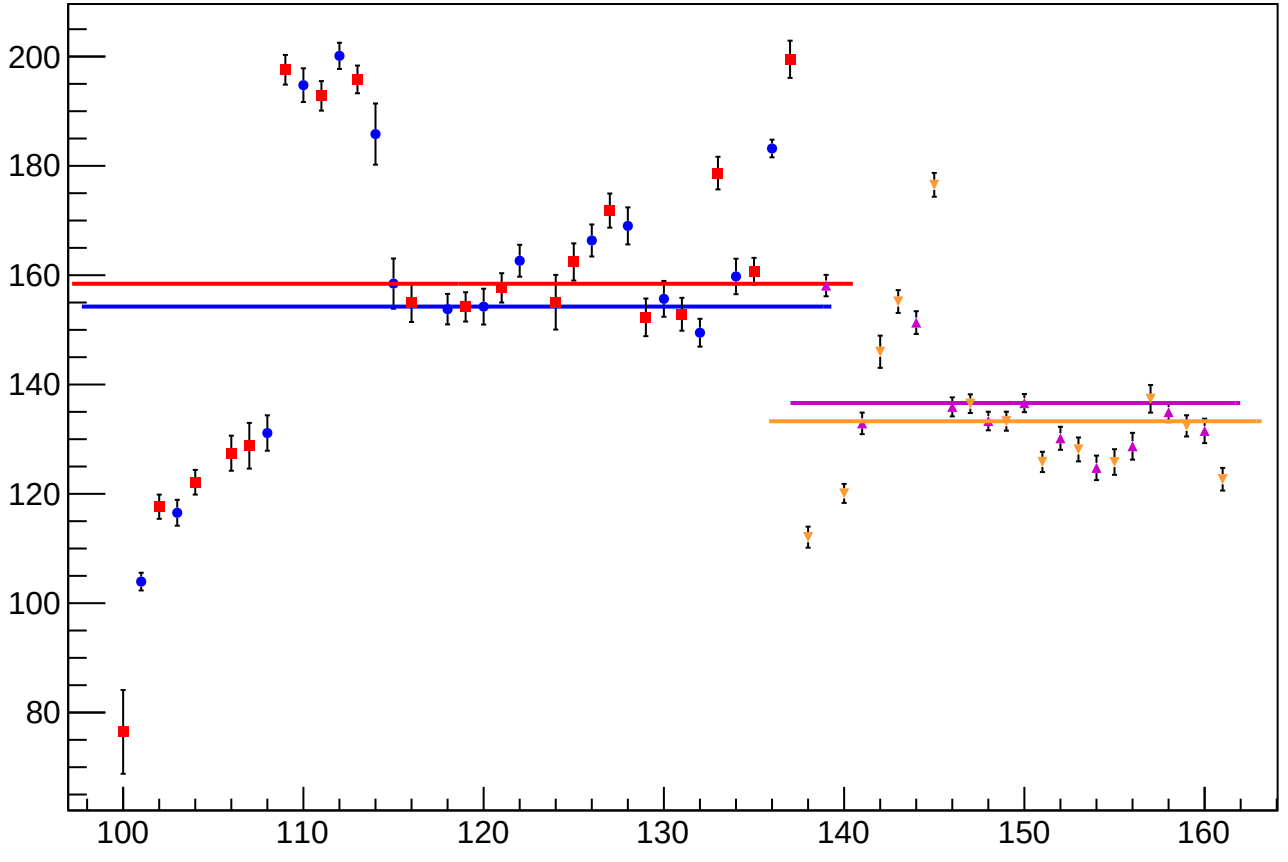
Left In: 5.241+/-0.403 χ^2/NDF:116.2/10

+ sign 6.407+/-0.325 χ^2/NDF: 764.6/28

All: 6.777+/-0.235 χ^2/NDF: 1160.9/58

- sign 7.184+/-0.340 χ^2/NDF: 393.6/29

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 133.282+/-0.562 χ^2/NDF:766.1/12

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

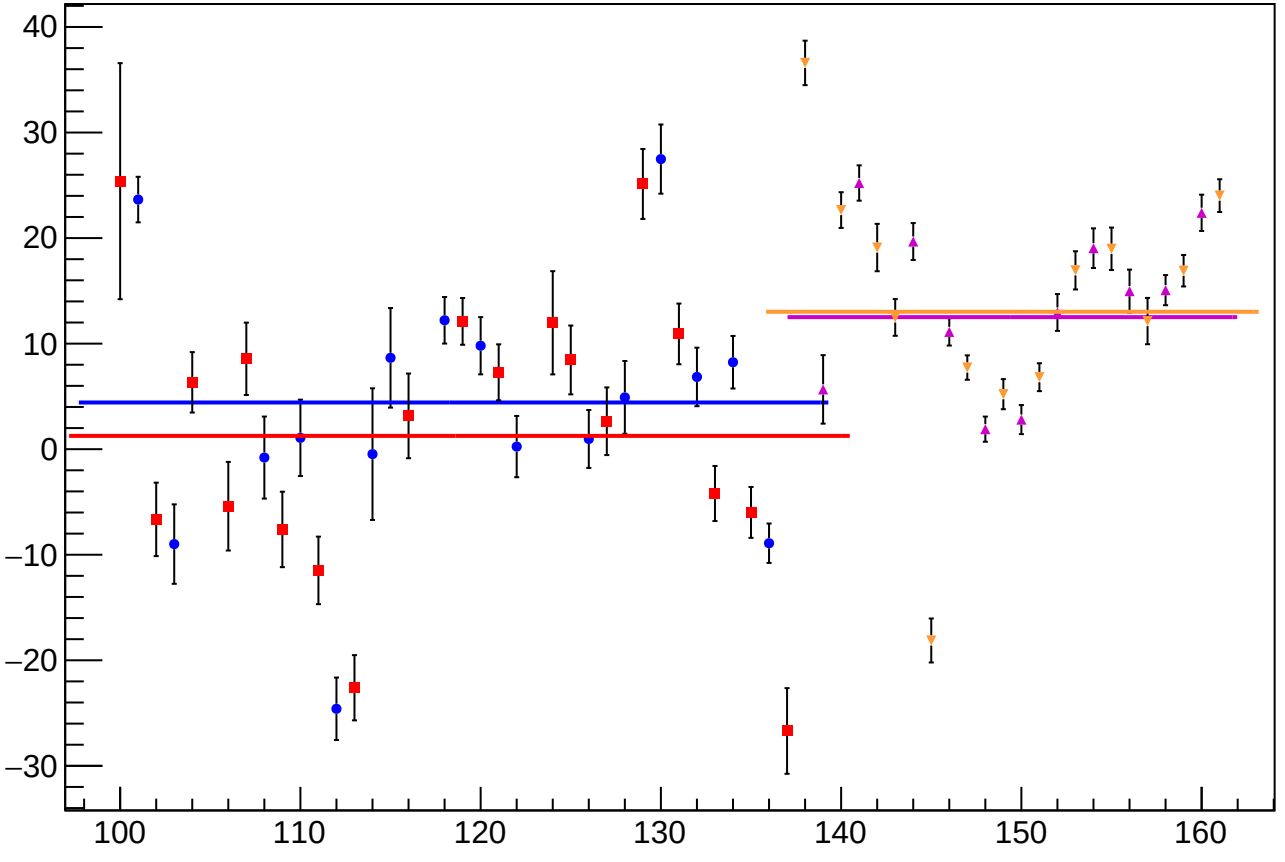
Left In: 136.624+/-0.590 χ^2/NDF:231.6/10

+ sign 142.078+/-0.428 χ^2/NDF: 3563.4/28

All: 143.933+/-0.309 χ^2/NDF: 6083.0/58

- sign 145.944+/-0.446 χ^2/NDF: 2480.6/29

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 13.019+/-0.458 χ^2/NDF:532.5/12

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

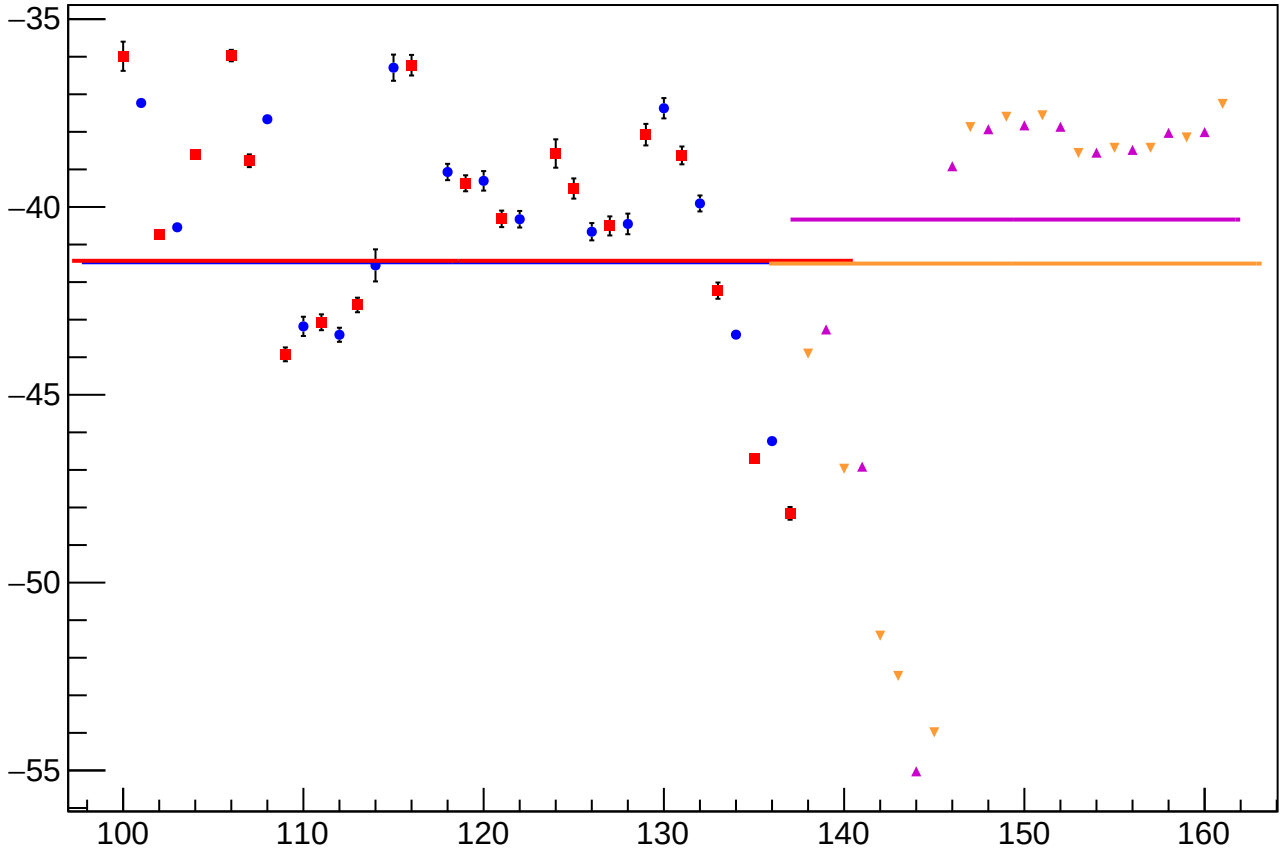
Left In: 12.512+/-0.483 χ^2/NDF:258.9/10

+ sign 10.516+/-0.385 χ^2/NDF: 951.3/28

All: 9.839+/-0.279 χ^2/NDF: 1646.3/58

- sign 9.098+/-0.403 χ^2/NDF: 688.6/29

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -41.507+/-0.022 χ^2/NDF:68063.6/12

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

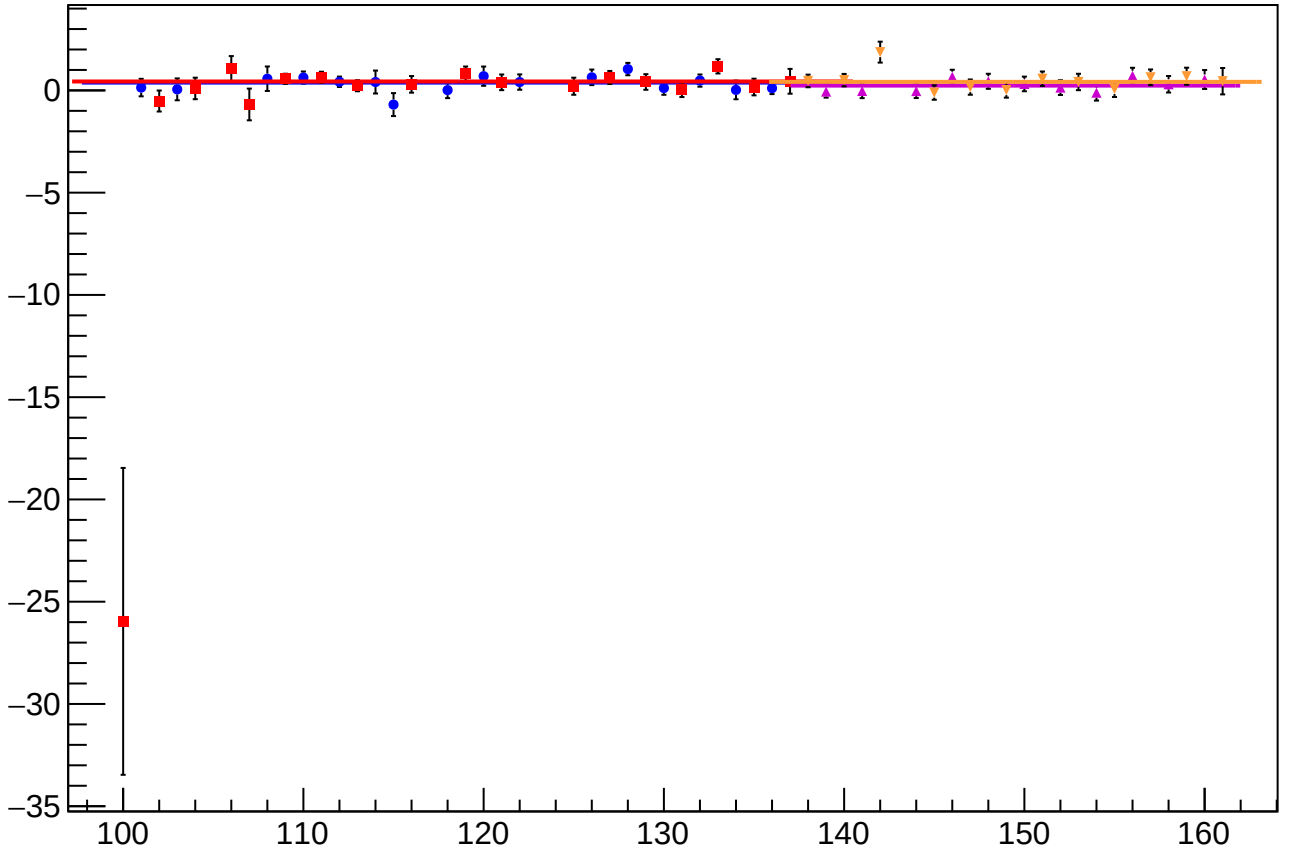
Left In: -40.335+/-0.022 χ^2/NDF:40568.7/10

\+ sign -41.498+/-0.019 χ^2/NDF: 75976.2/28

All: -41.063+/-0.014 χ^2/NDF: 126449.0/58

\- sign -40.601+/-0.019 χ^2/NDF: 49378.8/29

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.418+/-0.110 χ^2/NDF:13.8/11

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

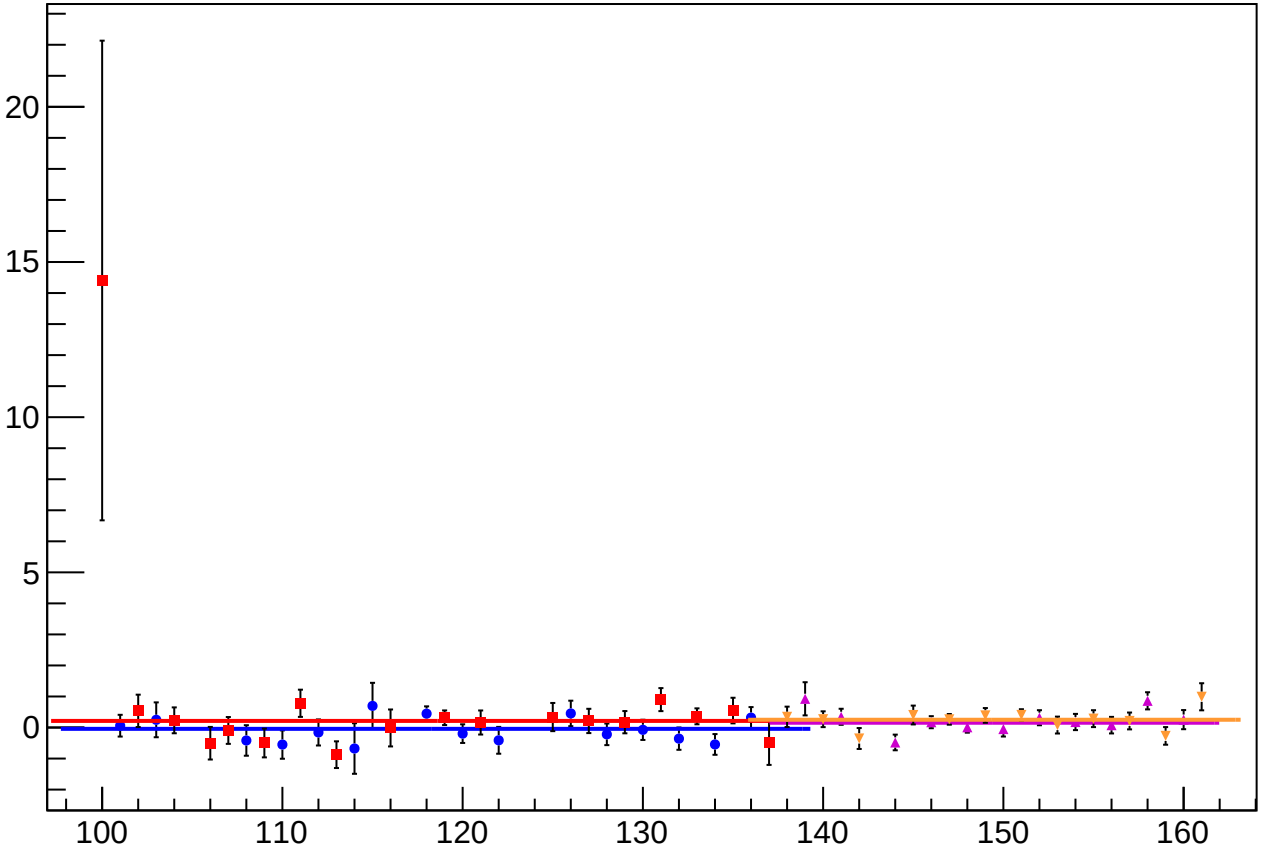
Left In: 0.235+/-0.109 χ^2/NDF:7.0/10

+ sign 0.397+/-0.070 χ^2/NDF: 27.8/27

All: 0.375+/-0.050 χ^2/NDF: 66.0/56

- sign 0.355+/-0.070 χ^2/NDF: 38.0/28

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.250+/-0.074 χ^2/NDF:11.3/11

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

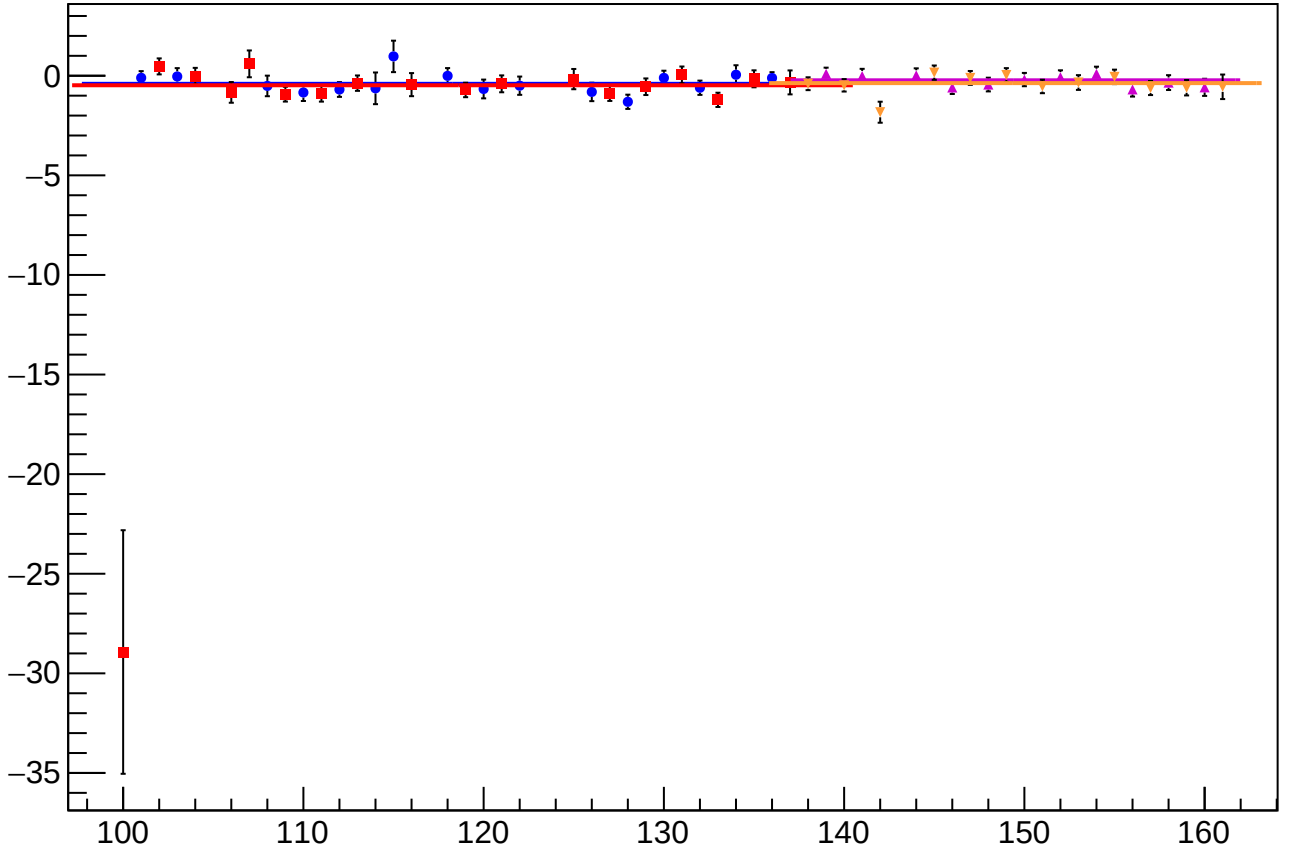
Left In: 0.154+/-0.074 χ^2/NDF:17.6/10

+ sign 0.139+/-0.058 χ^2/NDF: 32.3/27

All: 0.157+/-0.041 χ^2/NDF: 72.7/56

- sign 0.176+/-0.059 χ^2/NDF: 40.2/28

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.370+/-0.106 χ^2/NDF:13.8/11

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

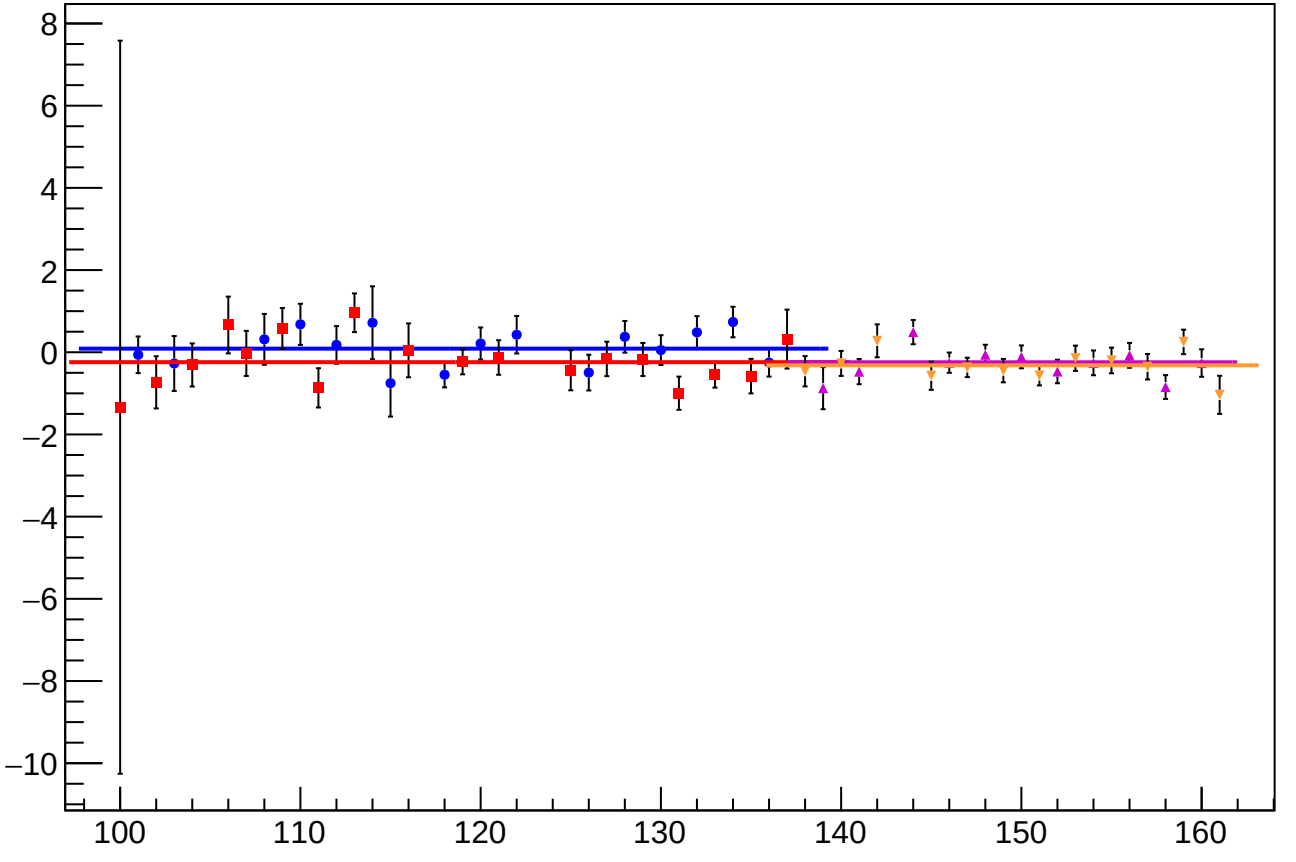
Left In: -0.229+/-0.106 χ^2/NDF:7.0/10

+ sign -0.388+/-0.074 χ^2/NDF: 31.6/27

All: -0.372+/-0.052 χ^2/NDF: 83.8/56

- sign -0.355+/-0.074 χ^2/NDF: 52.1/28

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.318+/-0.089 χ^2/NDF:10.8/11

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

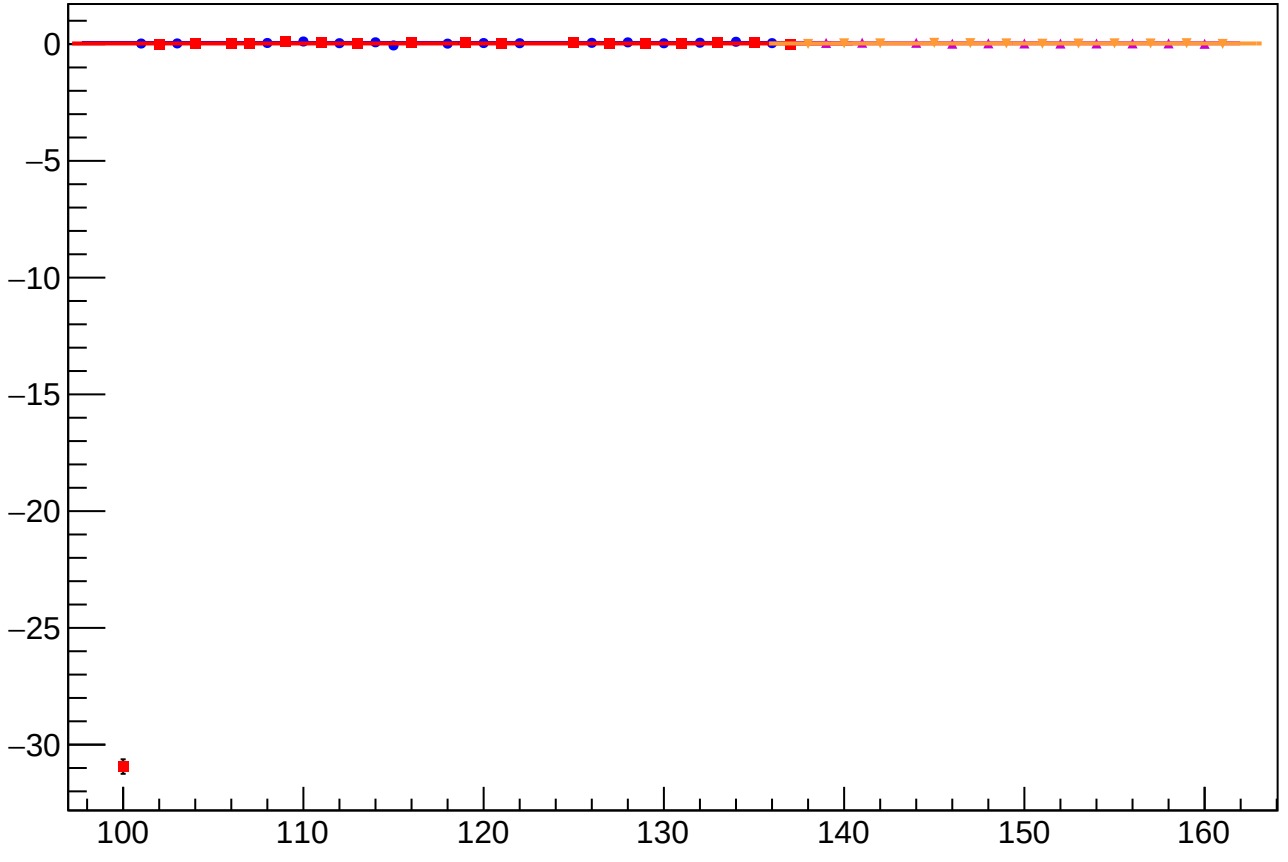
Left In: -0.244+/-0.089 χ^2/NDF:14.3/10

+ sign -0.155+/-0.069 χ^2/NDF: 35.1/27

All: -0.199+/-0.049 χ^2/NDF: 69.8/56

- sign -0.243+/-0.069 χ^2/NDF: 33.9/28

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.004 χ^2/NDF:9.3/11

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

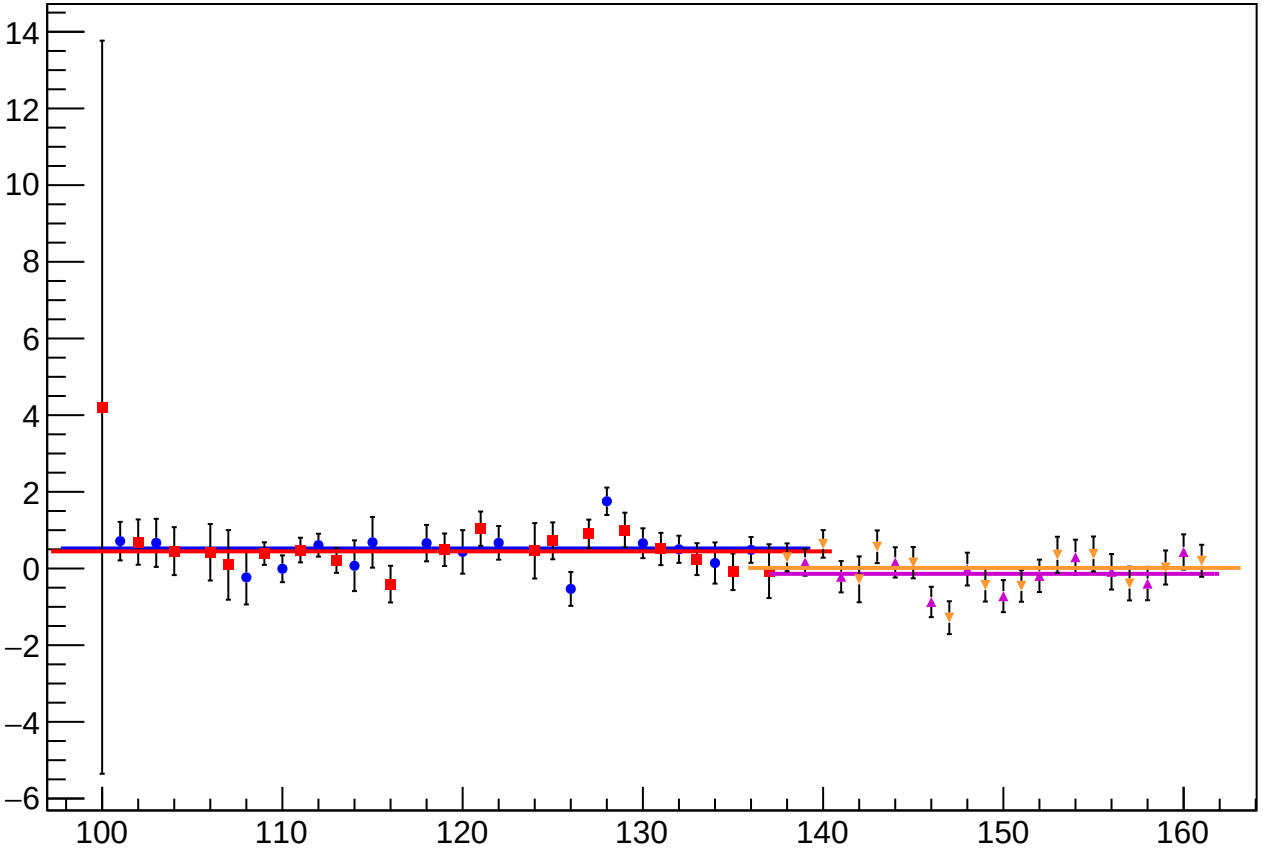
Left In: 0.035+/-0.004 χ^2/NDF:11.9/10

+ sign 0.034+/-0.003 χ^2/NDF: 36.3/27

All: 0.033+/-0.002 χ^2/NDF: 10070.1/56

- sign 0.033+/-0.003 χ^2/NDF: 10033.7/28

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.016+/-0.118 χ^2/NDF:19.4/12

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

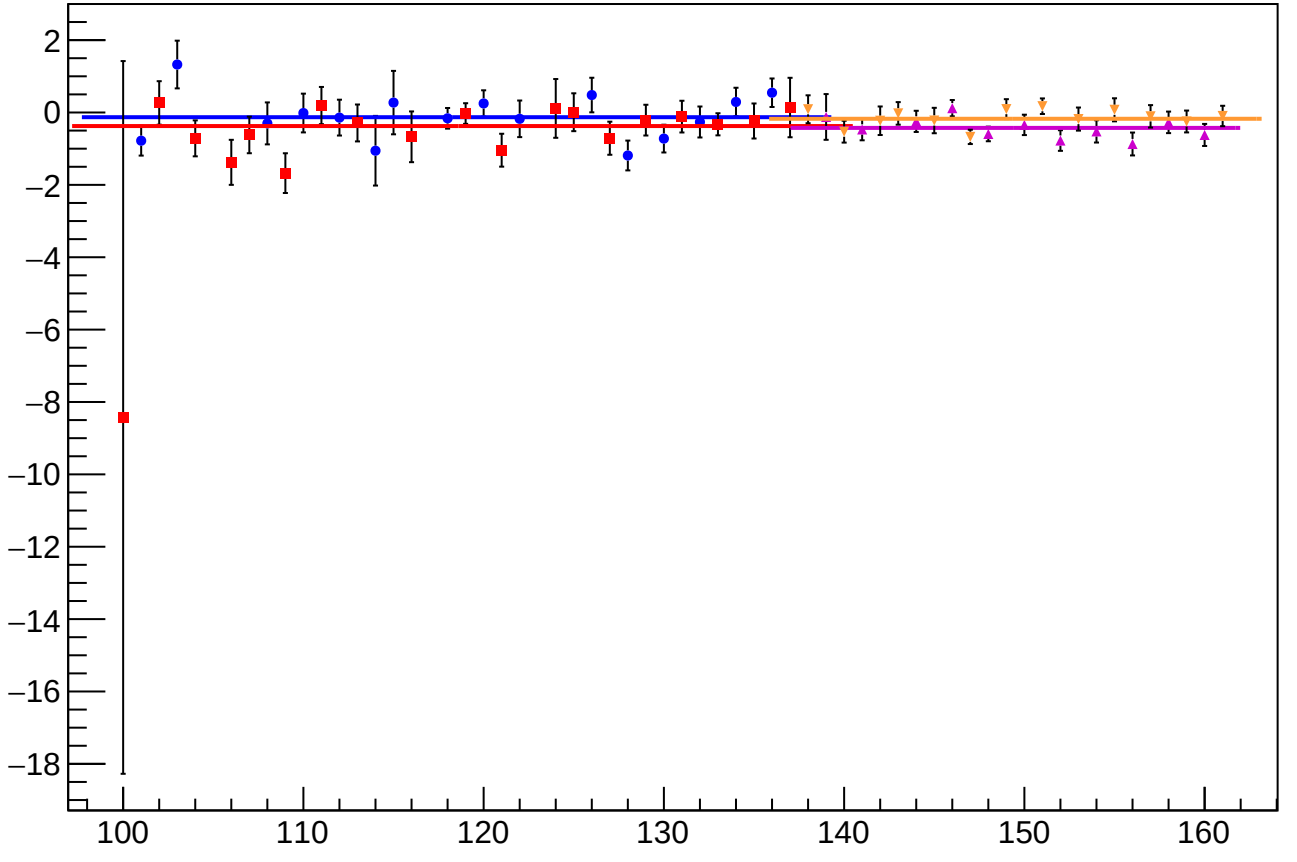
Left In: -0.139+/-0.126 χ^2/NDF:9.6/10

+ sign 0.291+/-0.080 χ^2/NDF: 52.0/28

All: 0.249+/-0.057 χ^2/NDF: 86.3/58

- sign 0.207+/-0.081 χ^2/NDF: 33.8/29

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.174+/-0.080 χ^2/NDF:12.9/12

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

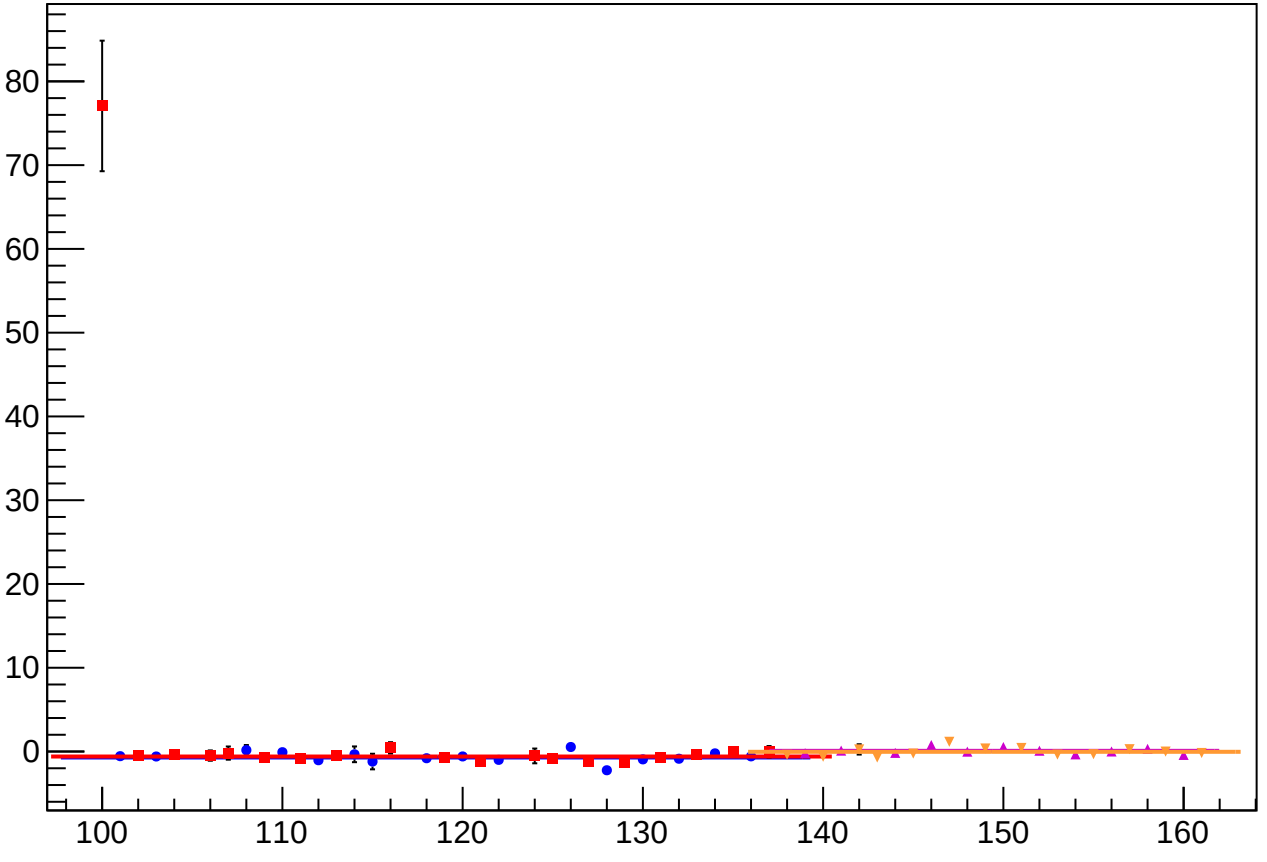
Left In: -0.426+/-0.085 χ^2/NDF:11.5/10

+ sign -0.159+/-0.065 χ^2/NDF: 37.5/28

All: -0.278+/-0.047 χ^2/NDF: 74.4/58

- sign -0.407+/-0.068 χ^2/NDF: 29.9/29

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.035+/-0.115 χ^2/NDF:19.3/12

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

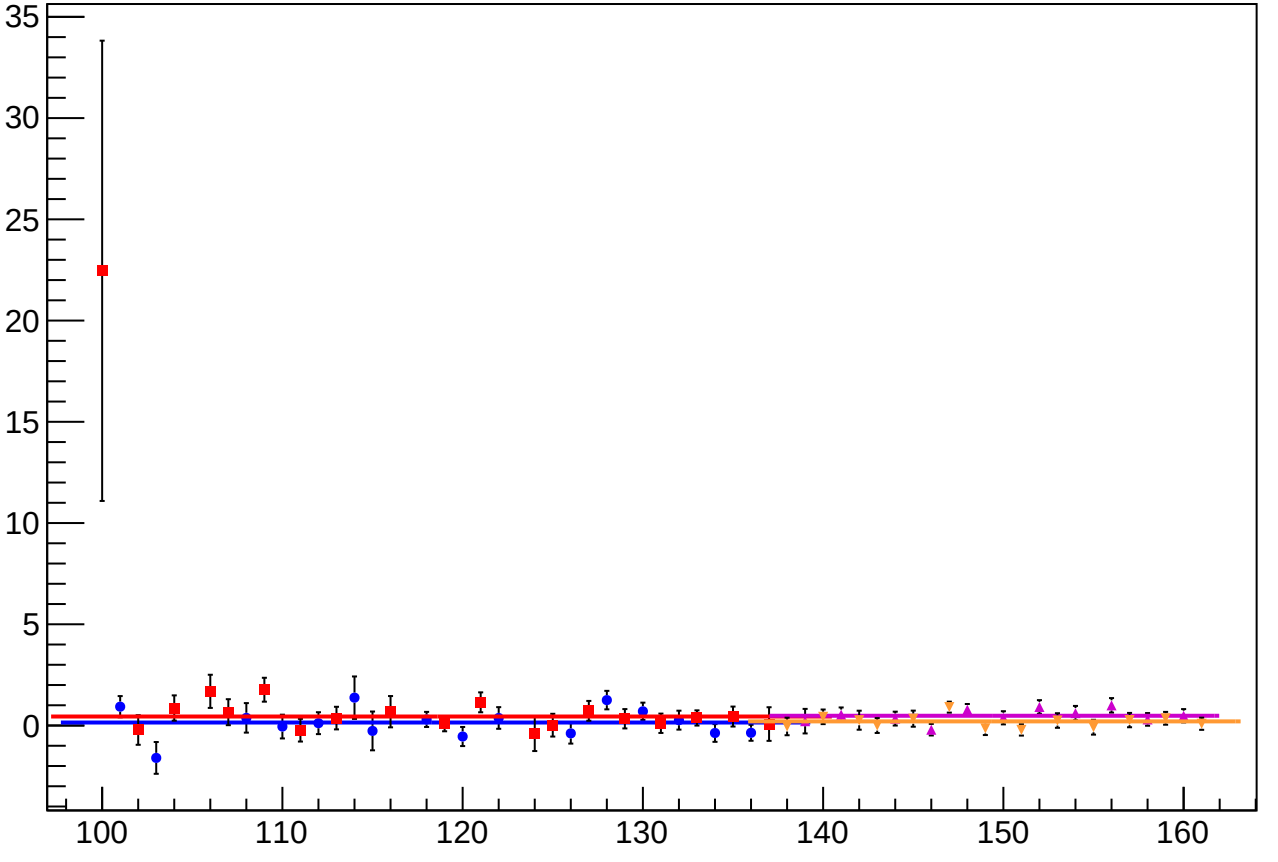
Left In: 0.080+/-0.121 χ^2/NDF:8.3/10

+ sign -0.355+/-0.083 χ^2/NDF: 60.6/28

All: -0.307+/-0.060 χ^2/NDF: 196.1/58

- sign -0.257+/-0.086 χ^2/NDF: 134.8/29

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.204+/-0.095 χ^2/NDF:12.3/12

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

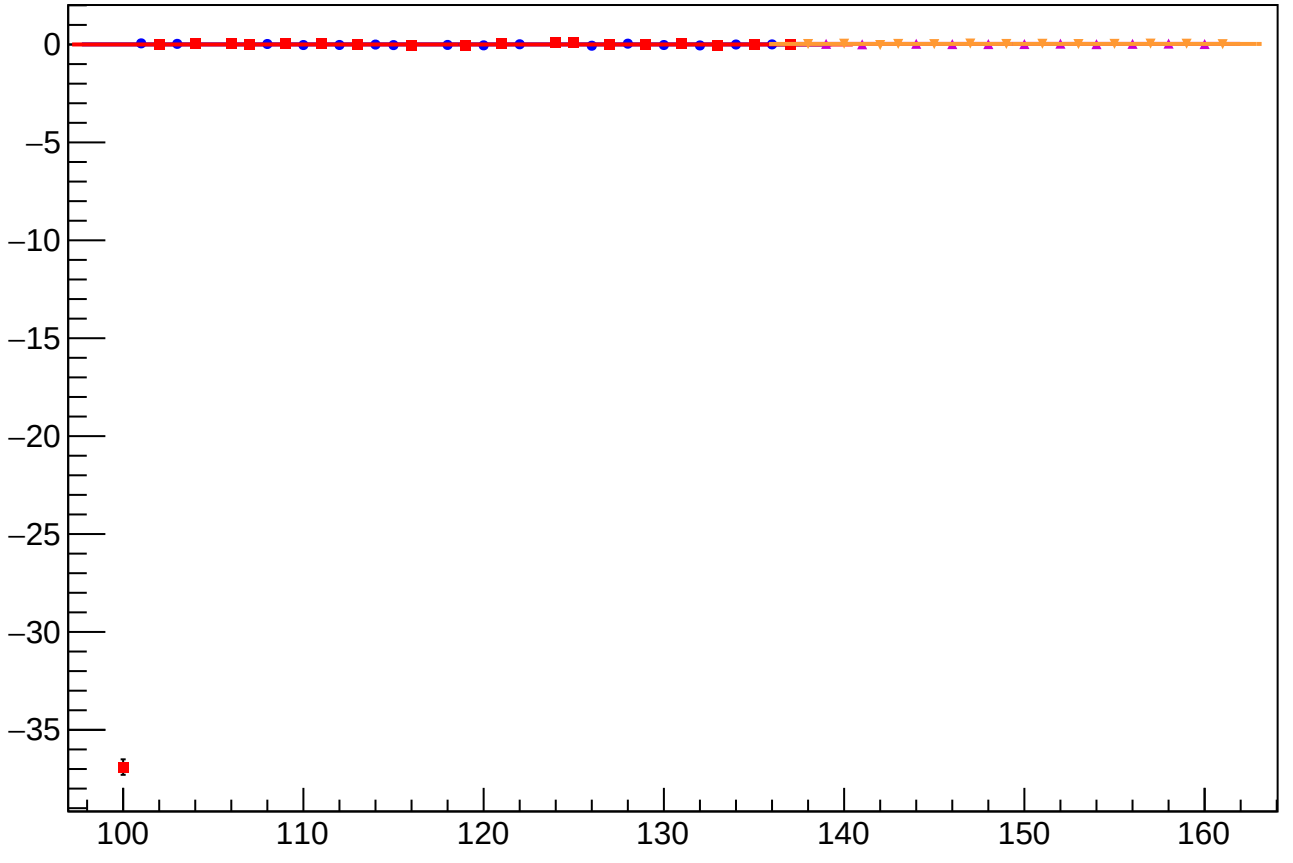
Left In: 0.482+/-0.101 χ^2/NDF:11.6/10

+ sign 0.184+/-0.076 χ^2/NDF: 35.7/28

All: 0.320+/-0.055 χ^2/NDF: 73.7/58

- sign 0.467+/-0.079 χ^2/NDF: 31.4/29

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.029+/-0.004 χ^2/NDF:10.3/12

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

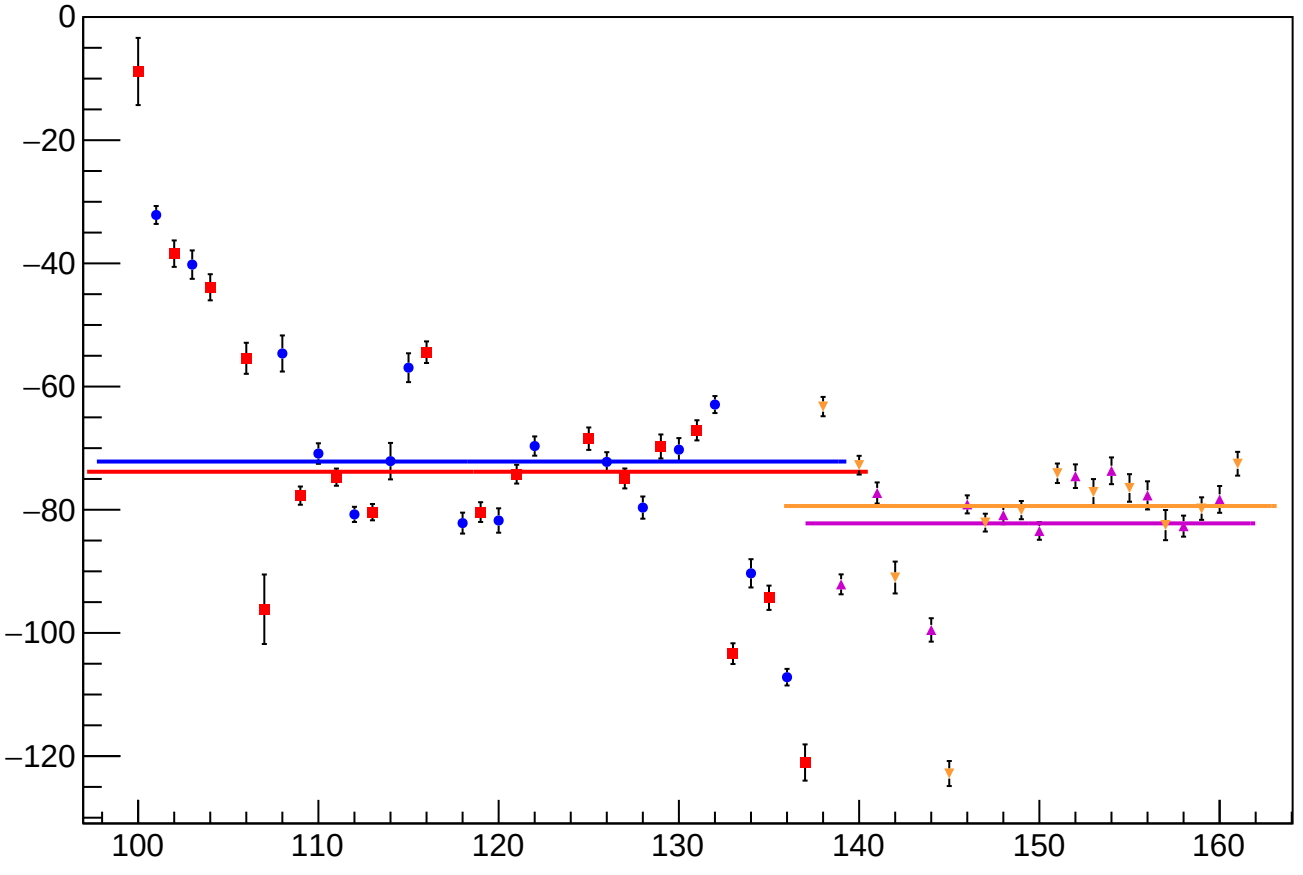
Left In: 0.030+/-0.005 χ^2/NDF:5.2/10

+ sign 0.023+/-0.004 χ^2/NDF: 35.0/28

All: 0.023+/-0.003 χ^2/NDF: 8803.9/58

- sign 0.023+/-0.004 χ^2/NDF: 8768.9/29

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -79.394+/-0.518 χ^2/NDF:633.9/11

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

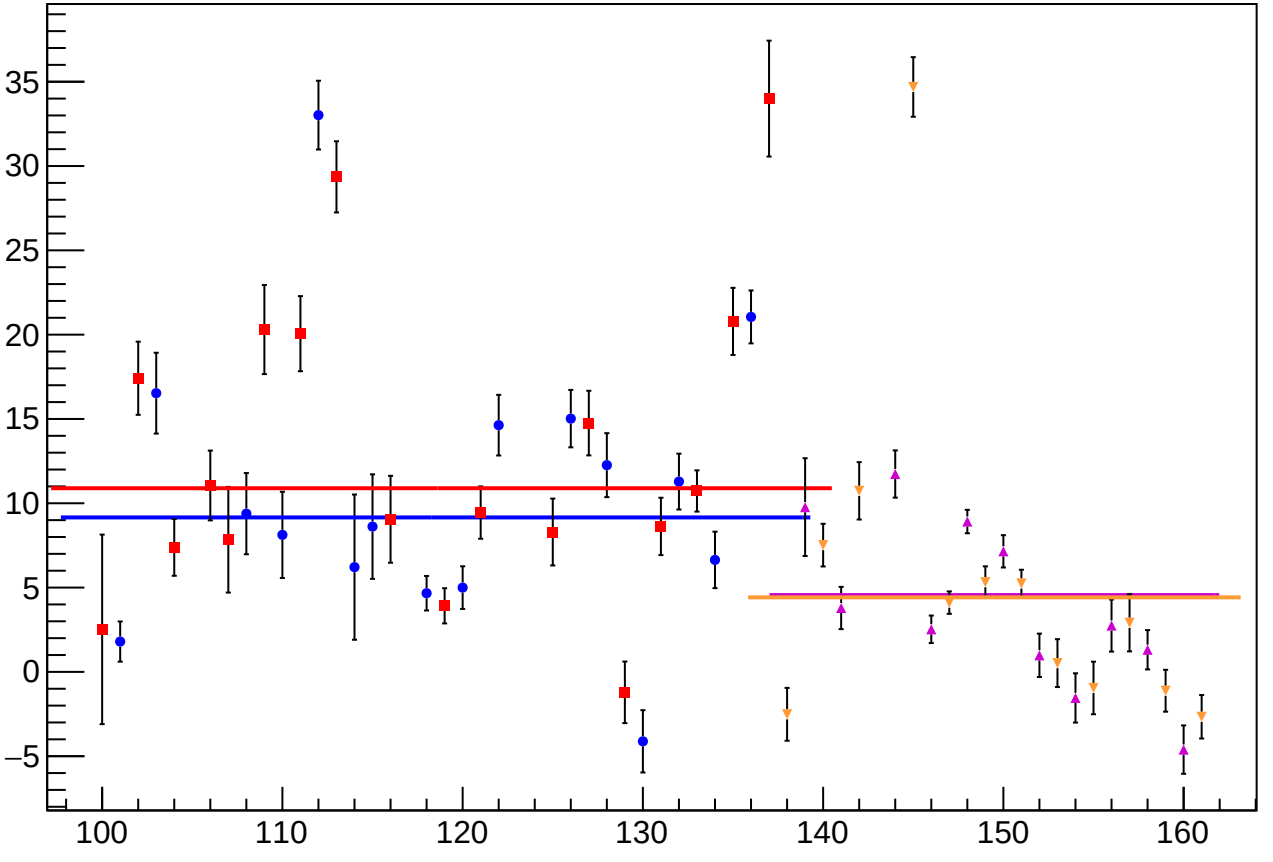
Left In: -82.212+/-0.524 χ^2/NDF:173.1/10

+ sign -75.134+/-0.332 χ^2/NDF: 2684.4/27

All: -76.169+/-0.235 χ^2/NDF: 4587.5/56

- sign -77.210+/-0.333 χ^2/NDF: 1883.5/28

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 4.420+/-0.332 χ^2/NDF:405.1/11

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

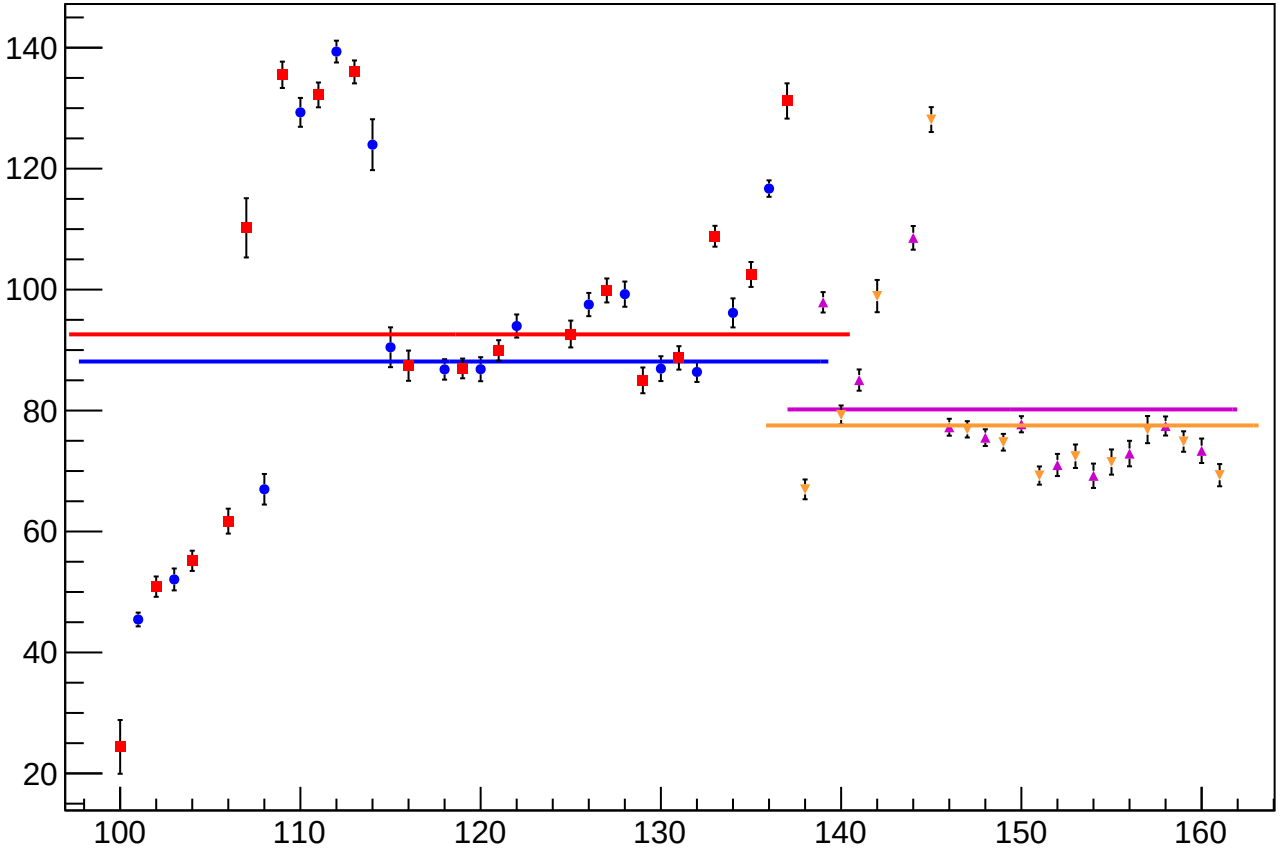
Left In: 4.554+/-0.340 χ^2/NDF:157.9/10

\+ sign 6.213+/-0.261 χ^2/NDF: 834.5/27

All: 6.558+/-0.188 χ^2/NDF: 1416.1/56

\- sign 6.924+/-0.269 χ^2/NDF: 577.9/28

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 77.539+/-0.499 χ^2/NDF:783.4/11

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

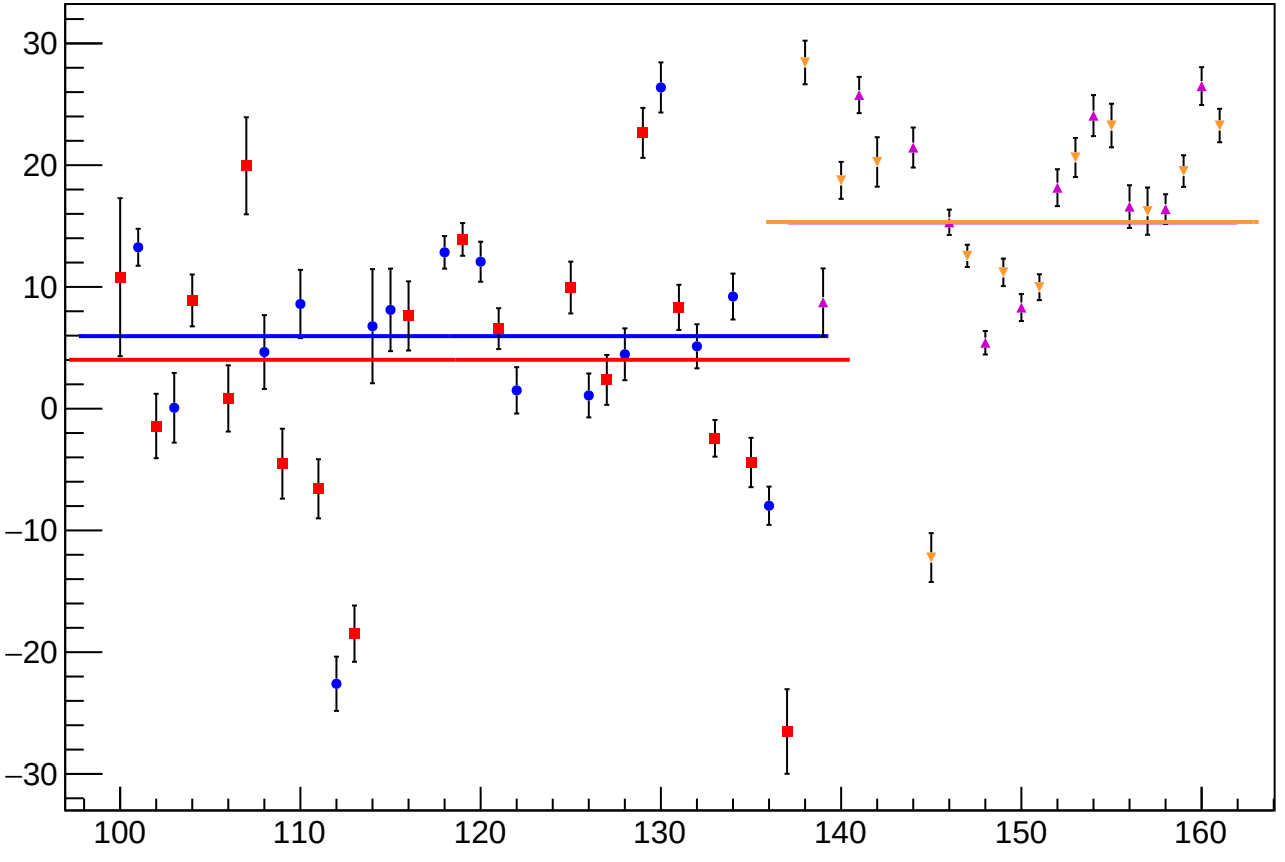
Left In: 80.187+/-0.503 χ^2/NDF:428.2/10

+ sign 83.158+/-0.342 χ^2/NDF: 4583.4/27

All: 84.867+/-0.244 χ^2/NDF: 8590.0/56

- sign 86.645+/-0.349 χ^2/NDF: 3955.6/28

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 15.338+/-0.402 χ^2/NDF:375.7/11

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

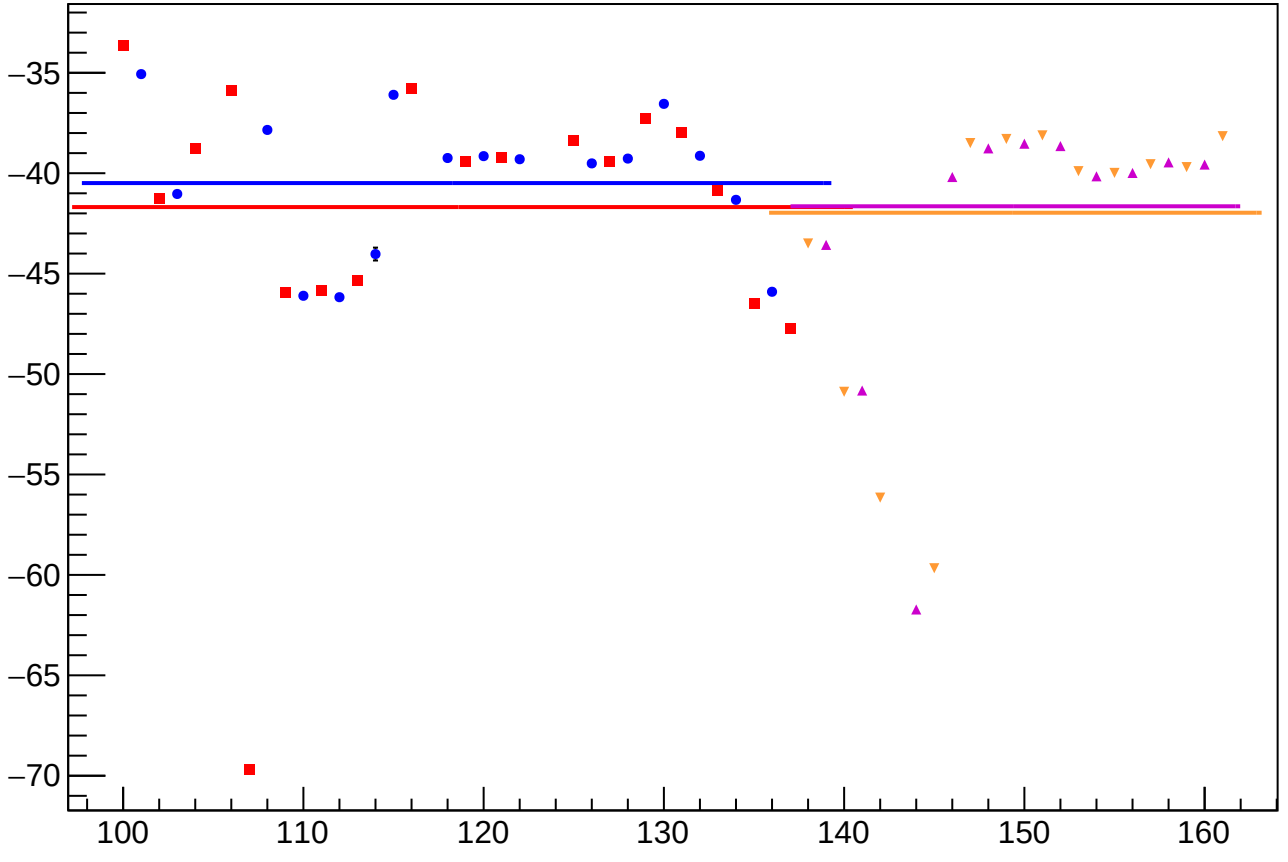
Left In: 15.298+/-0.410 χ^2/NDF:297.2/10

\+ sign 11.609+/-0.312 χ^2/NDF: 1019.1/27

All: 11.247+/-0.223 χ^2/NDF: 2034.3/56

\- sign 10.866+/-0.319 χ^2/NDF: 1012.4/28

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -41.967+/-0.019 χ^2/NDF:100497.7/11

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

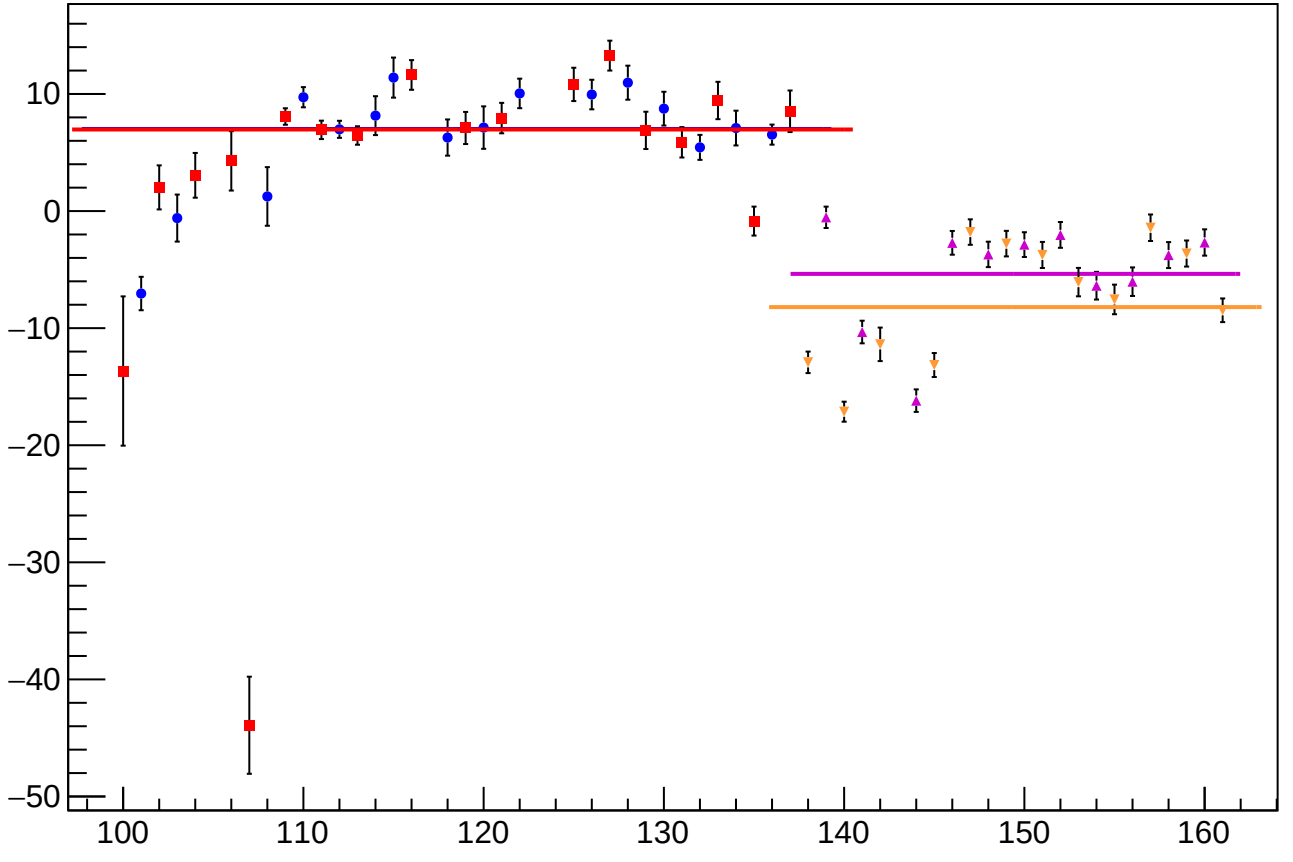
Left In: -41.646+/-0.019 χ^2/NDF:81543.2/10

+ sign -41.498+/-0.016 χ^2/NDF: 120478.2/27

All: -41.578+/-0.011 χ^2/NDF: 238911.3/56

- sign -41.658+/-0.016 χ^2/NDF: 118383.0/28

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.202+/-0.311 χ^2/NDF:295.3/11

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

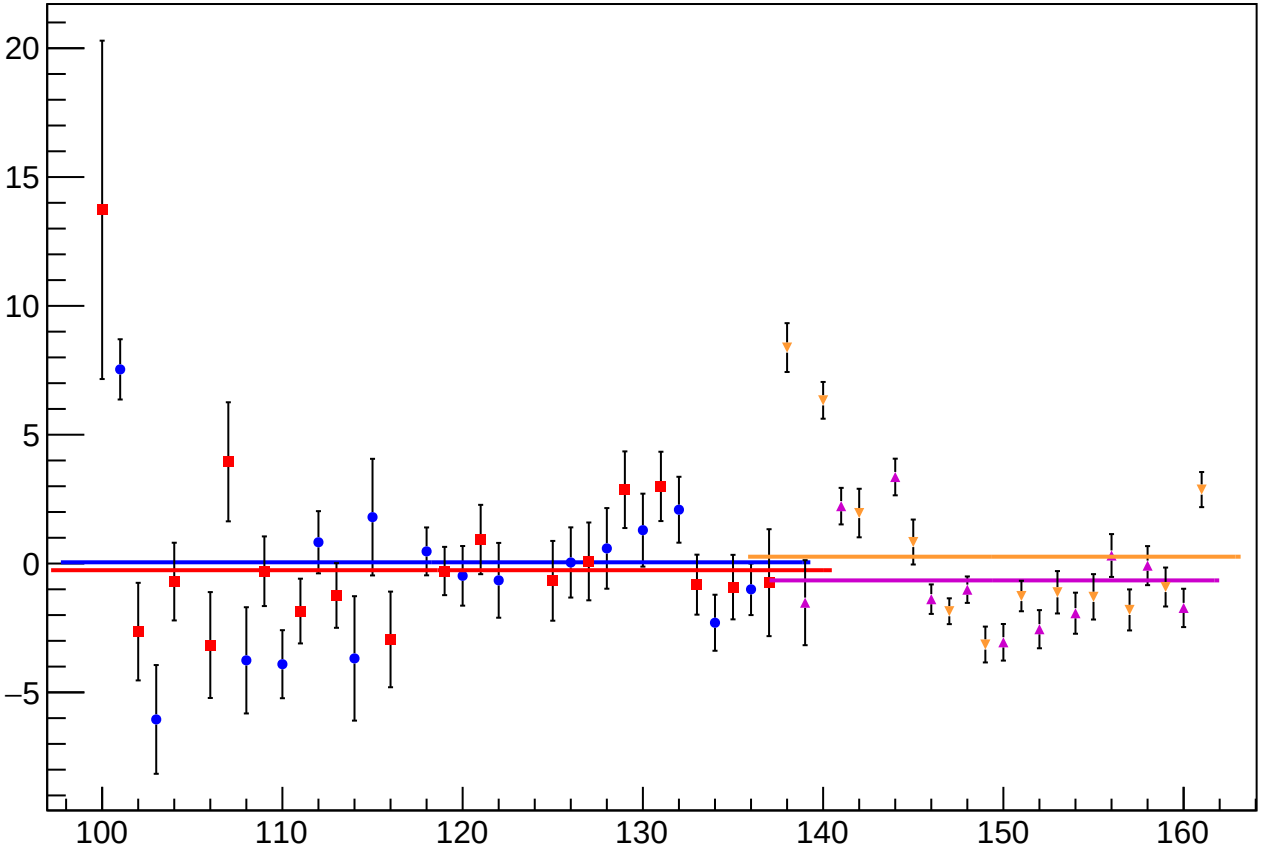
Left In: -5.365+/-0.318 χ^2/NDF:213.7/10

+ sign -0.557+/-0.219 χ^2/NDF: 1655.5/27

All: 0.328+/-0.154 χ^2/NDF: 2967.4/56

- sign 1.200+/-0.218 χ^2/NDF: 1279.6/28

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.266+/-0.210 χ^2/NDF:227.5/11

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

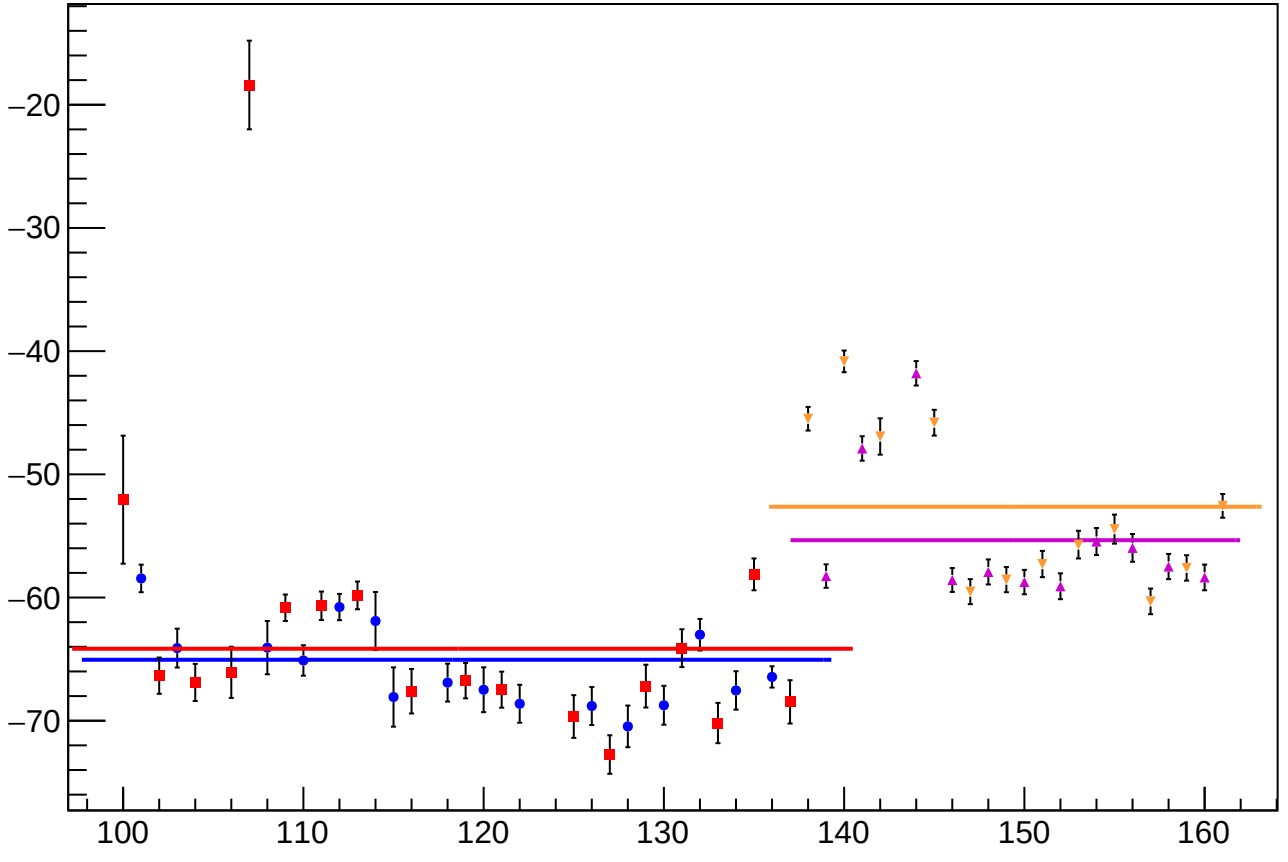
Left In: -0.655+/-0.215 χ^2/NDF:75.2/10

+ sign 0.203+/-0.177 χ^2/NDF: 302.8/27

All: -0.159+/-0.127 χ^2/NDF: 415.1/56

- sign -0.543+/-0.183 χ^2/NDF: 103.7/28

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -52.631+/-0.301 χ^2/NDF:479.7/11

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

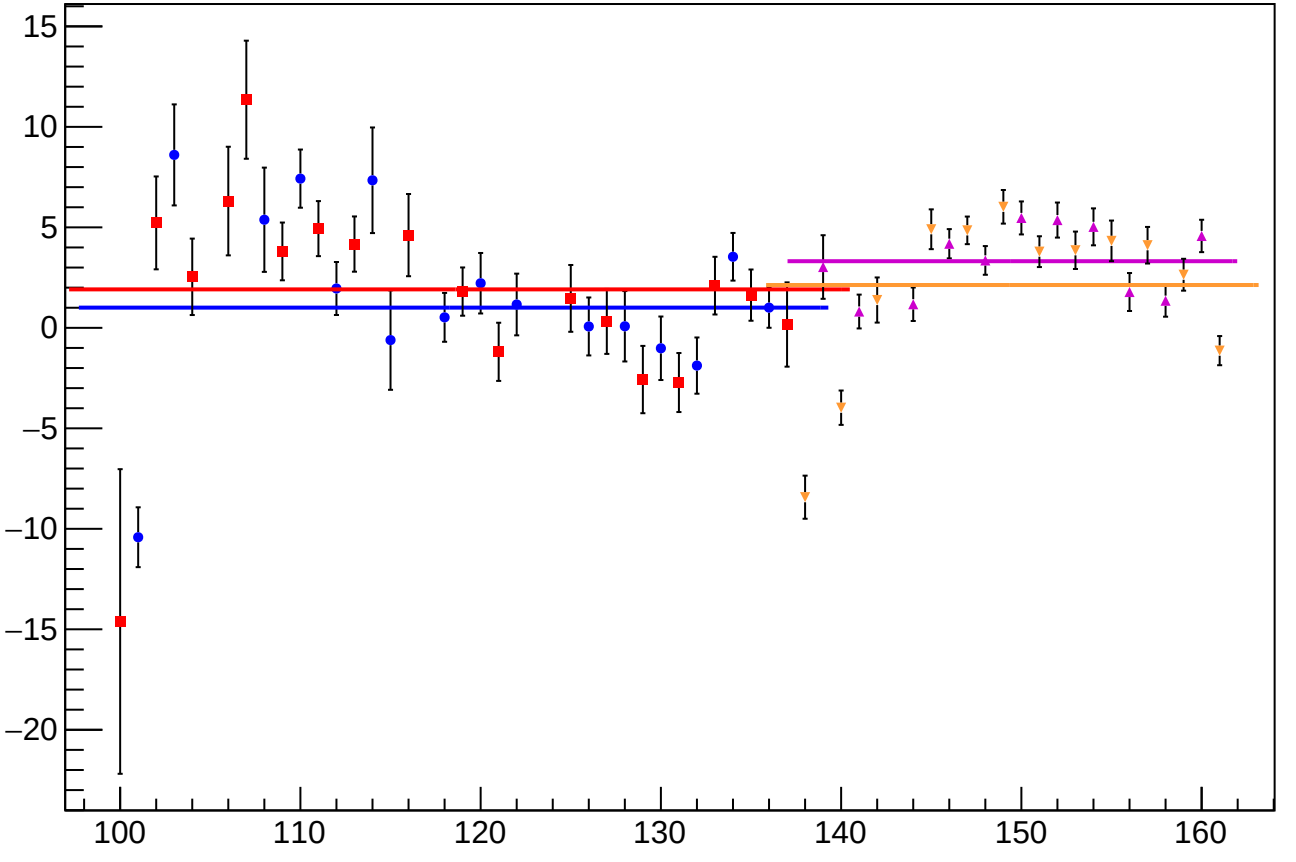
Left In: -55.346+/-0.307 χ^2/NDF:307.9/10

+ sign -57.847+/-0.229 χ^2/NDF: 1286.6/27

All: -58.439+/-0.164 χ^2/NDF: 2257.6/56

- sign -59.054+/-0.234 χ^2/NDF: 957.5/28

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 2.131+/-0.249 χ^2/NDF:231.8/11

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

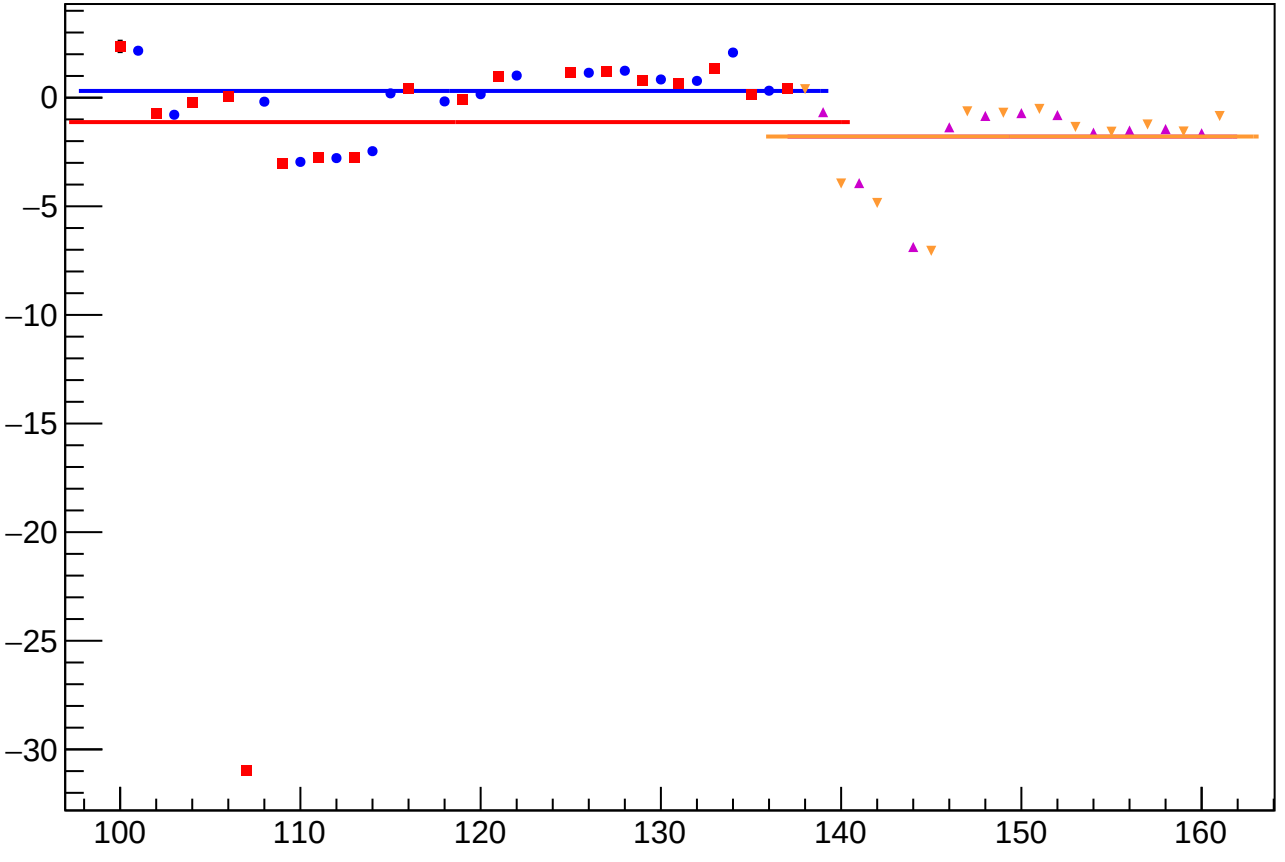
Left In: 3.316+/-0.255 χ^2/NDF:43.9/10

+ sign 1.788+/-0.208 χ^2/NDF: 347.3/27

All: 2.325+/-0.149 χ^2/NDF: 468.6/56

- sign 2.895+/-0.214 χ^2/NDF: 107.5/28

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.788+/-0.011 χ^2/NDF:28713.4/11

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

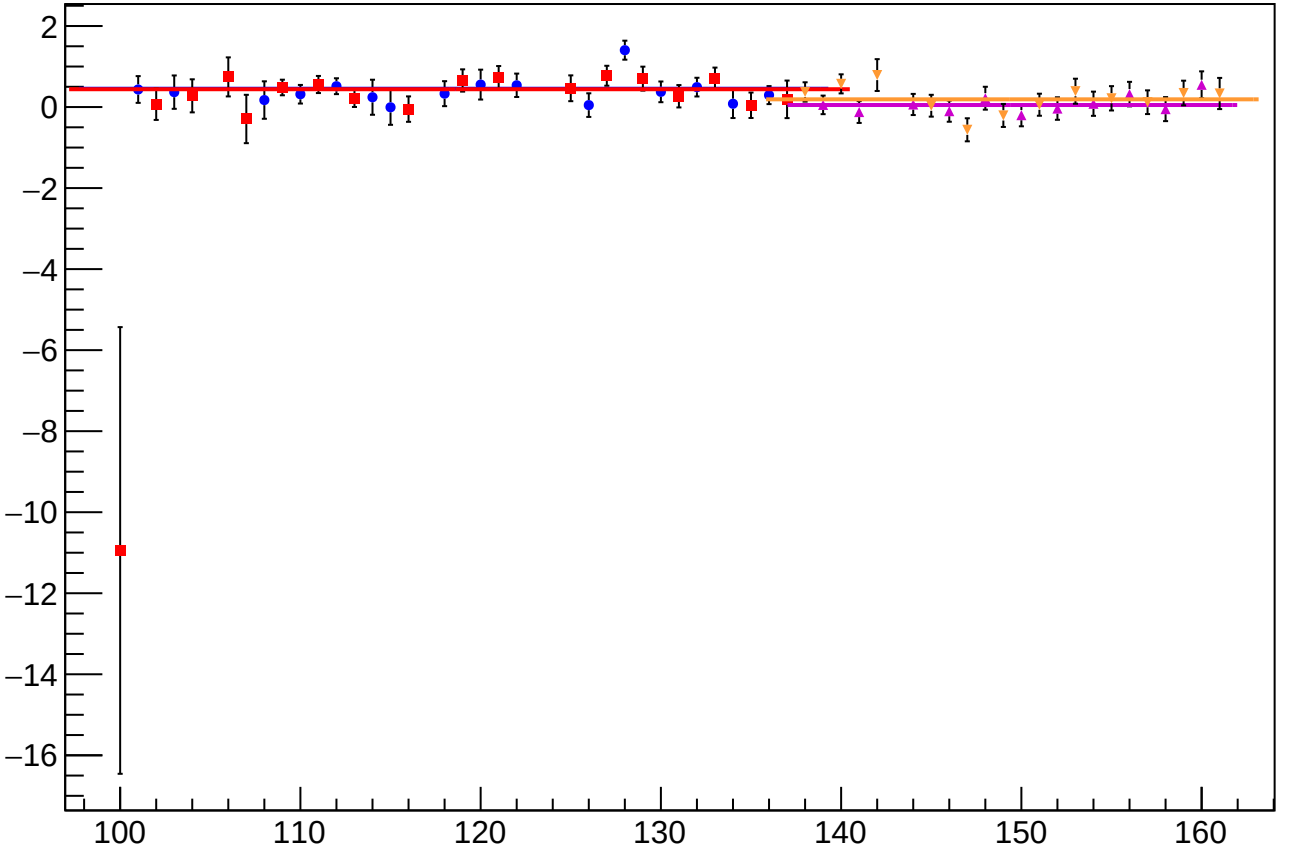
Left In: -1.791+/-0.012 χ^2/NDF:19315.9/10

+ sign -1.312+/-0.010 χ^2/NDF: 41233.4/27

All: -1.477+/-0.007 χ^2/NDF: 108161.9/56

- sign -1.649+/-0.010 χ^2/NDF: 66374.9/28

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.190+/-0.083 χ^2/NDF:16.0/11

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

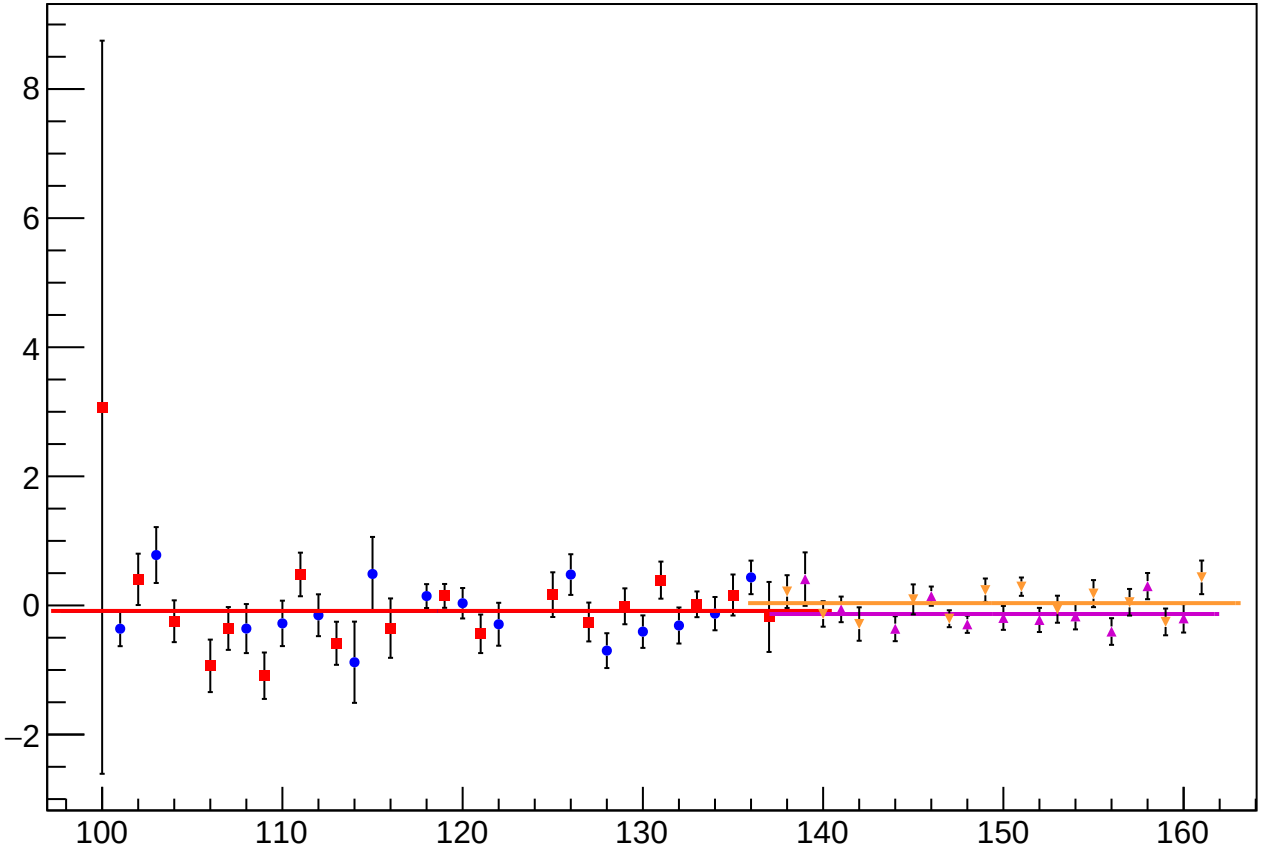
Left In: 0.050+/-0.083 χ^2/NDF:5.2/10

+ sign 0.341+/-0.054 χ^2/NDF: 44.3/27

All: 0.310+/-0.038 χ^2/NDF: 81.6/56

- sign 0.280+/-0.053 χ^2/NDF: 36.6/28

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.036+/-0.056 χ^2/NDF:15.7/11

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

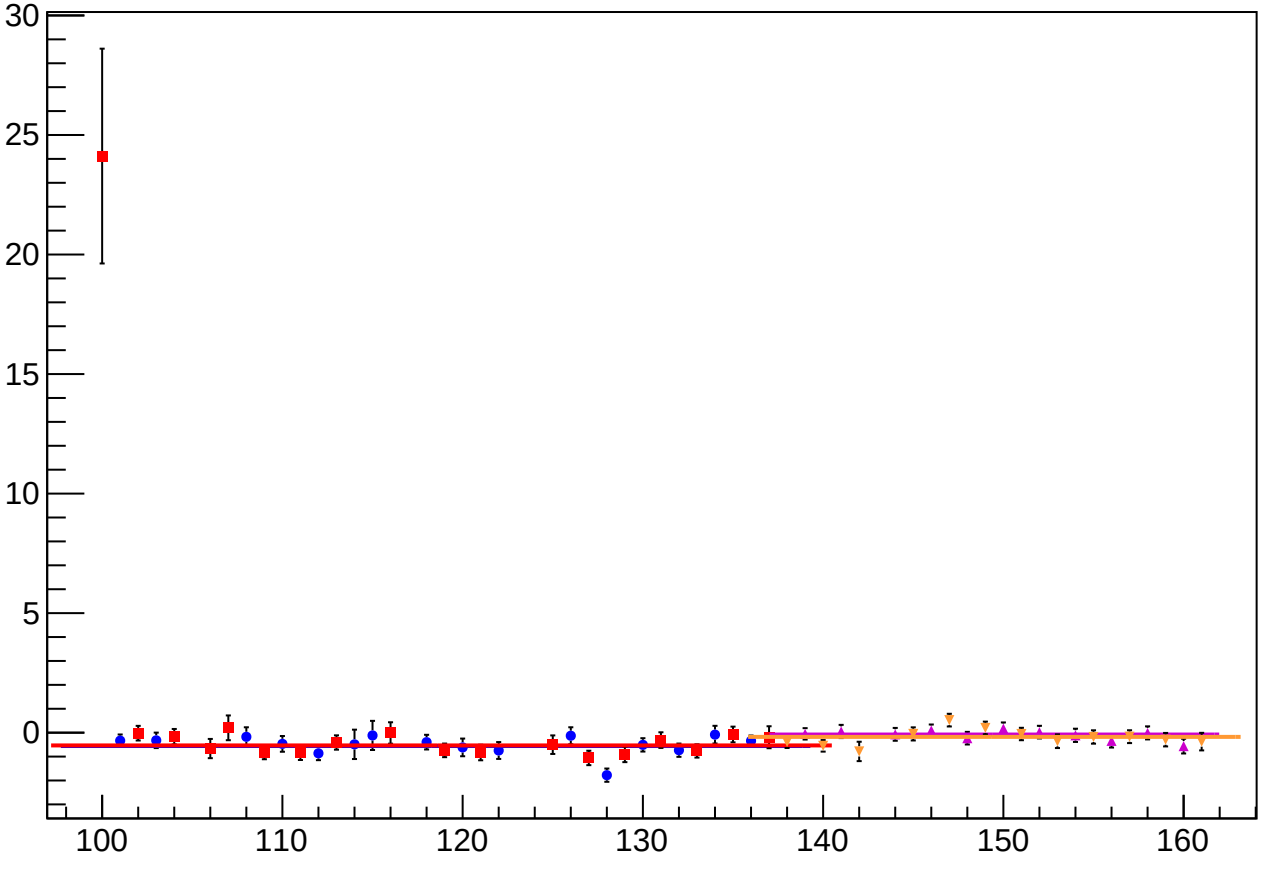
Left In: -0.133+/-0.057 χ^2/NDF:14.9/10

+ sign -0.009+/-0.044 χ^2/NDF: 42.8/27

All: -0.062+/-0.032 χ^2/NDF: 88.6/56

- sign -0.115+/-0.045 χ^2/NDF: 43.0/28

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.176+/-0.080 χ^2/NDF:15.6/11

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

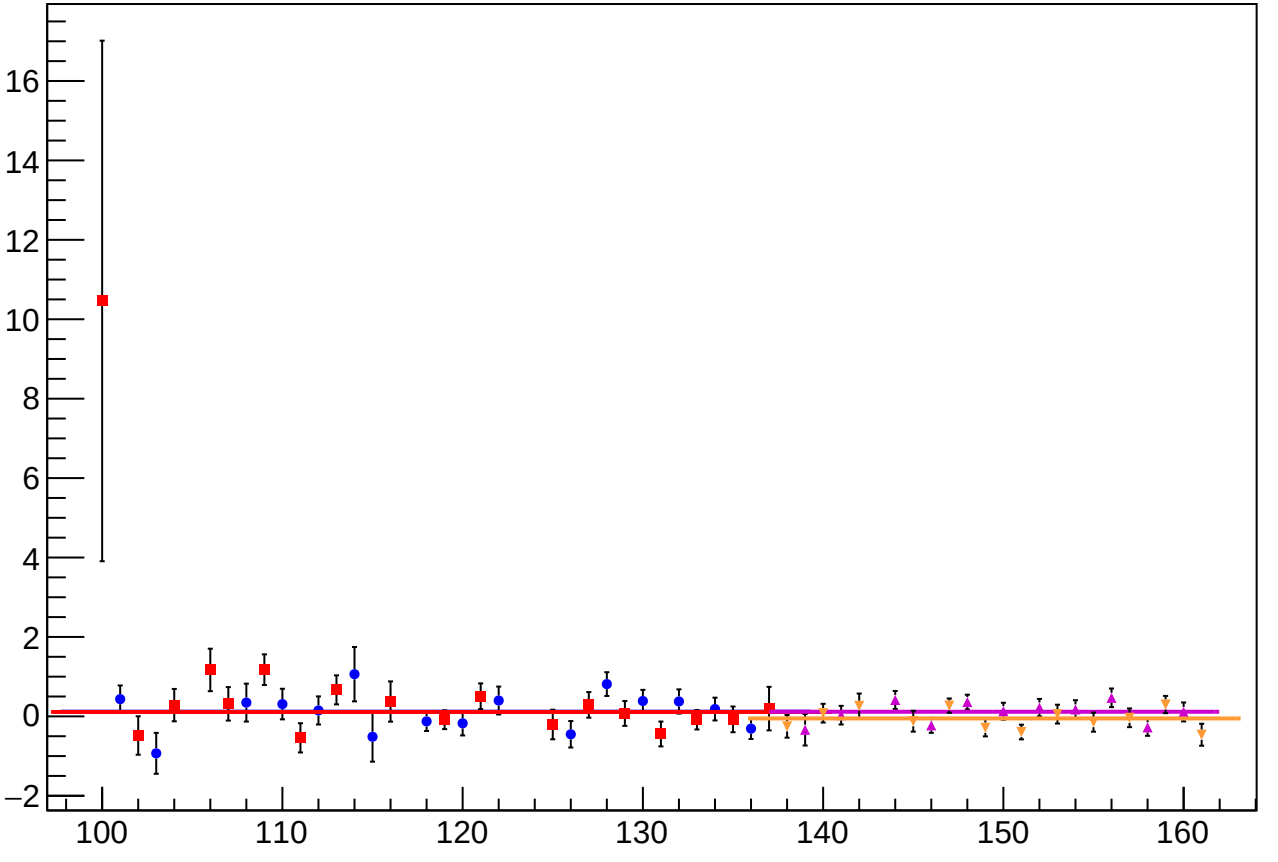
Left In: -0.078+/-0.081 χ^2/NDF:5.5/10

+ sign -0.369+/-0.057 χ^2/NDF: 55.4/27

All: -0.338+/-0.040 χ^2/NDF: 126.7/56

- sign -0.306+/-0.057 χ^2/NDF: 70.7/28

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.052+/-0.067 χ^2/NDF:14.9/11

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

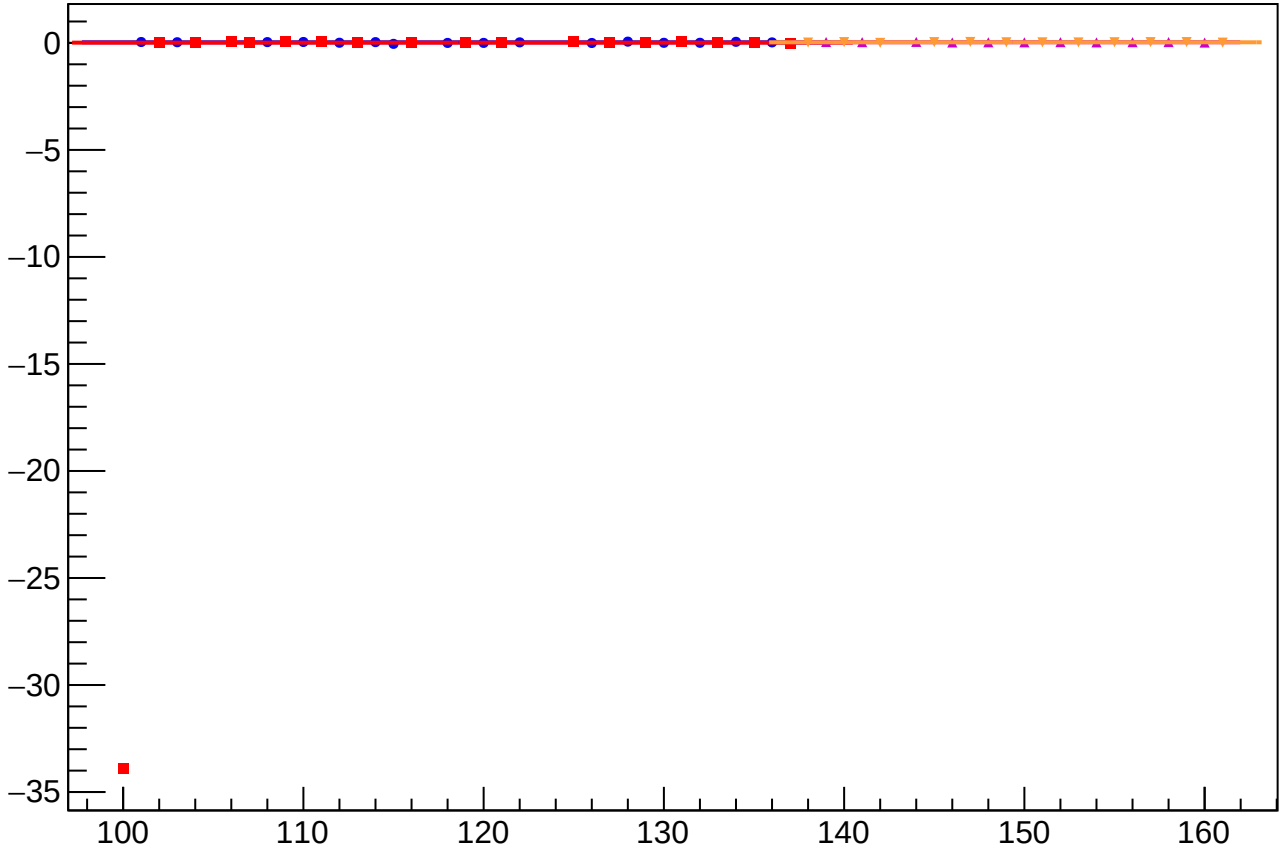
Left In: 0.116+/-0.067 χ^2/NDF:14.1/10

+ sign 0.014+/-0.052 χ^2/NDF: 41.1/27

All: 0.064+/-0.037 χ^2/NDF: 86.0/56

- sign 0.114+/-0.053 χ^2/NDF: 43.1/28

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.029+/-0.003 χ^2/NDF:11.1/11

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

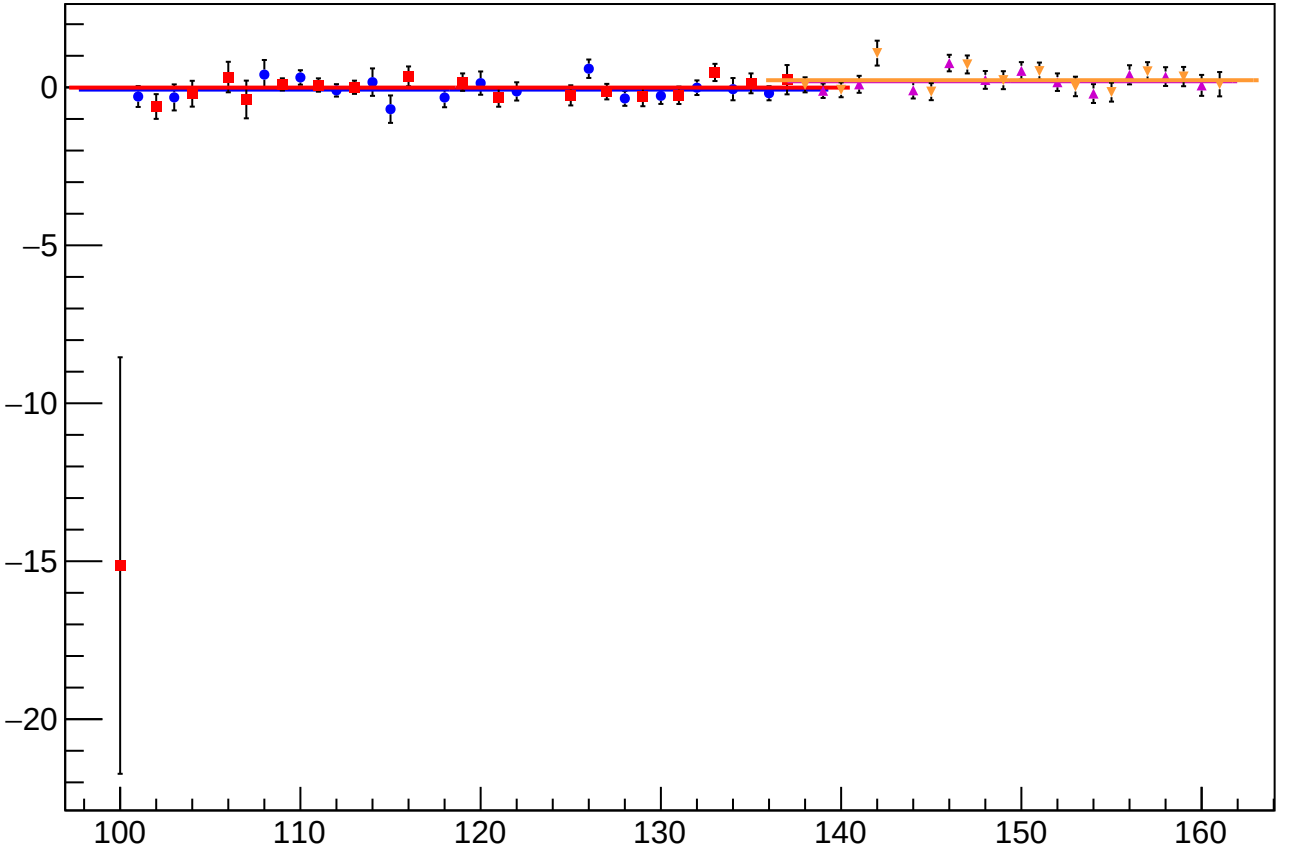
Left In: 0.032+/-0.003 χ^2/NDF:8.3/10

+ sign 0.028+/-0.003 χ^2/NDF: 25.8/27

All: 0.027+/-0.002 χ^2/NDF: 22309.0/56

- sign 0.027+/-0.003 χ^2/NDF: 22283.0/28

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.226+/-0.083 χ^2/NDF:15.9/11

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

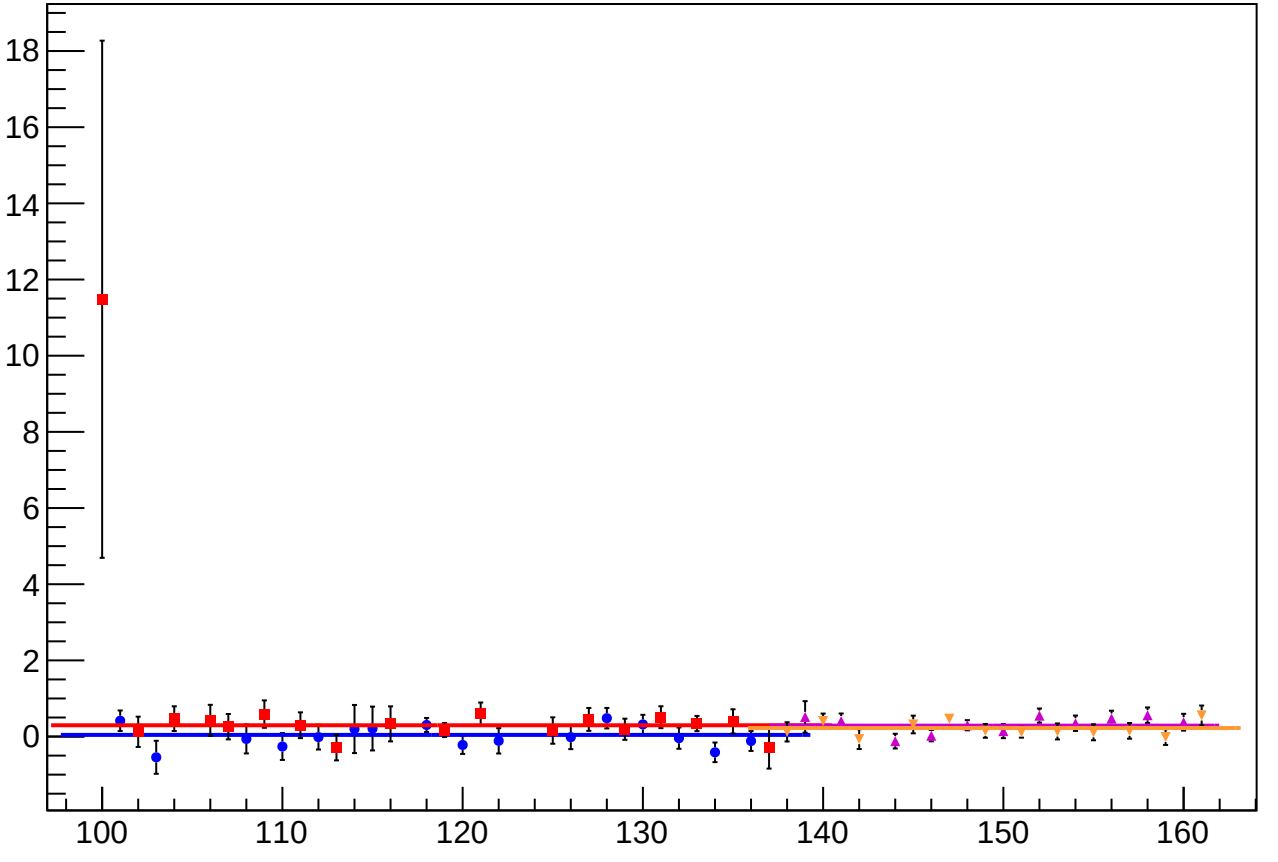
Left In: 0.194+/-0.084 χ^2/NDF:11.9/10

+ sign 0.055+/-0.054 χ^2/NDF: 38.8/27

All: 0.066+/-0.038 χ^2/NDF: 72.3/56

- sign 0.075+/-0.053 χ^2/NDF: 33.5/28

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.224+/-0.056 χ^2/NDF:10.2/11

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

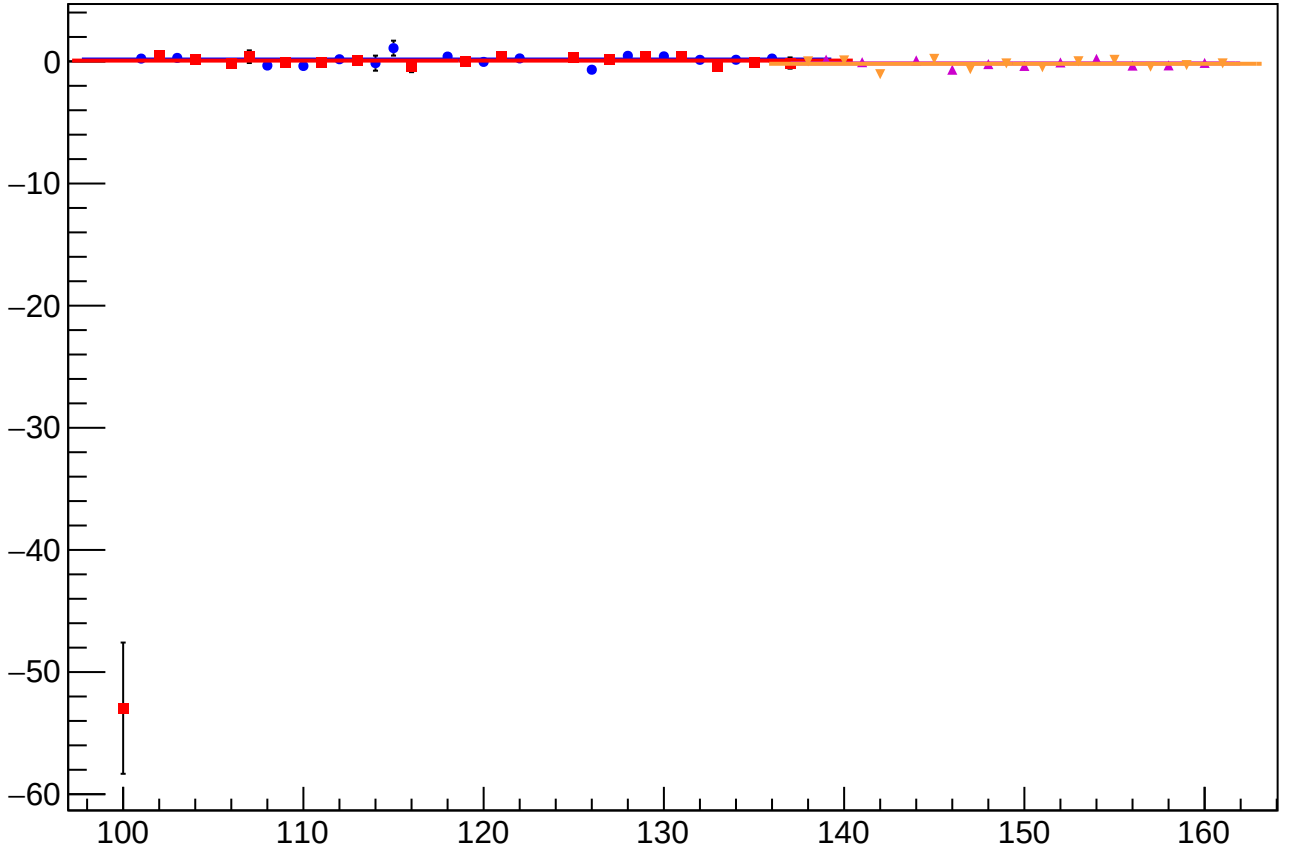
Left In: 0.286+/-0.057 χ^2/NDF:13.7/10

+ sign 0.157+/-0.044 χ^2/NDF: 29.7/27

All: 0.223+/-0.032 χ^2/NDF: 58.8/56

- sign 0.290+/-0.045 χ^2/NDF: 24.7/28

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.196+/-0.080 χ^2/NDF:15.3/11

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

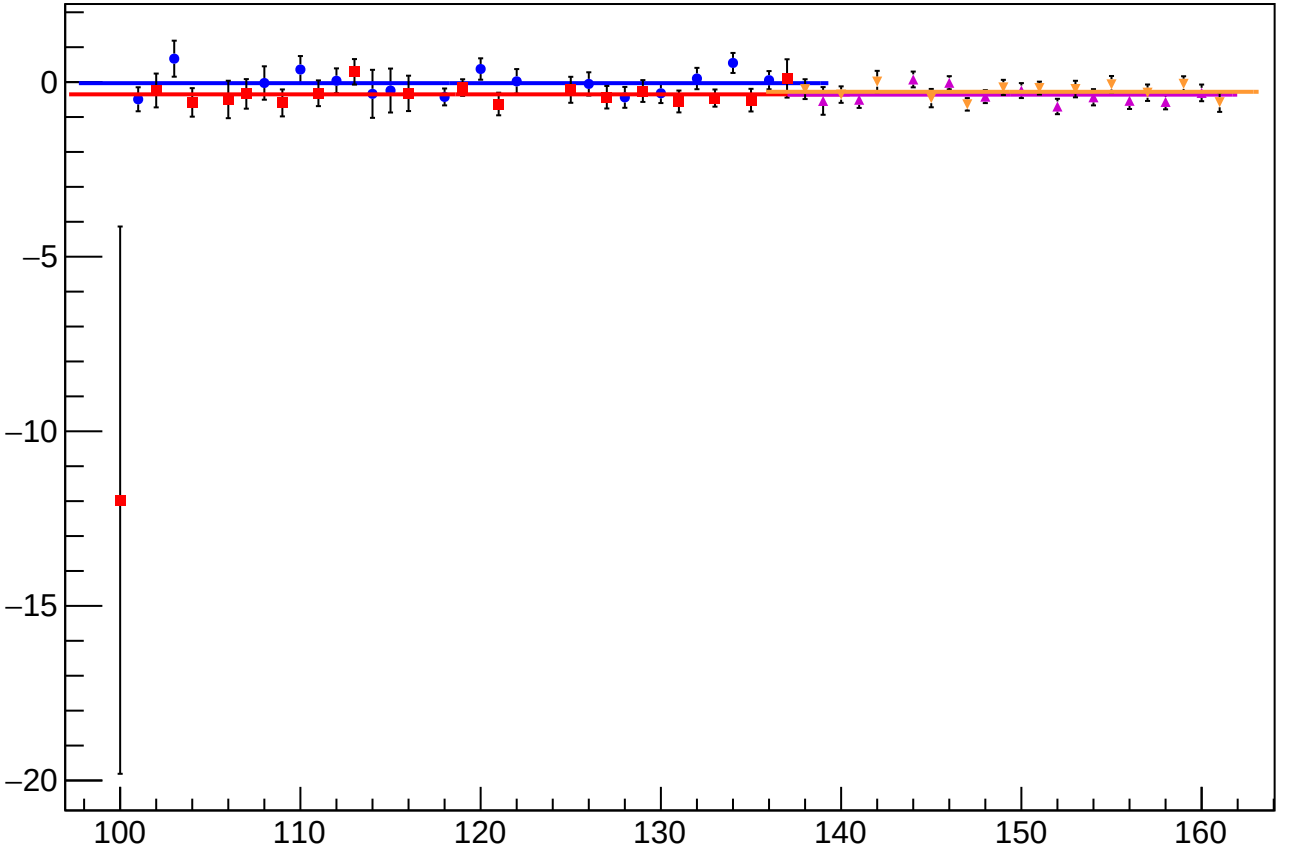
Left In: -0.164+/-0.081 χ^2/NDF:10.2/10

+ sign -0.019+/-0.057 χ^2/NDF: 40.4/27

All: -0.034+/-0.040 χ^2/NDF: 164.1/56

- sign -0.049+/-0.057 χ^2/NDF: 123.6/28

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.278+/-0.067 χ^2/NDF:9.4/11

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

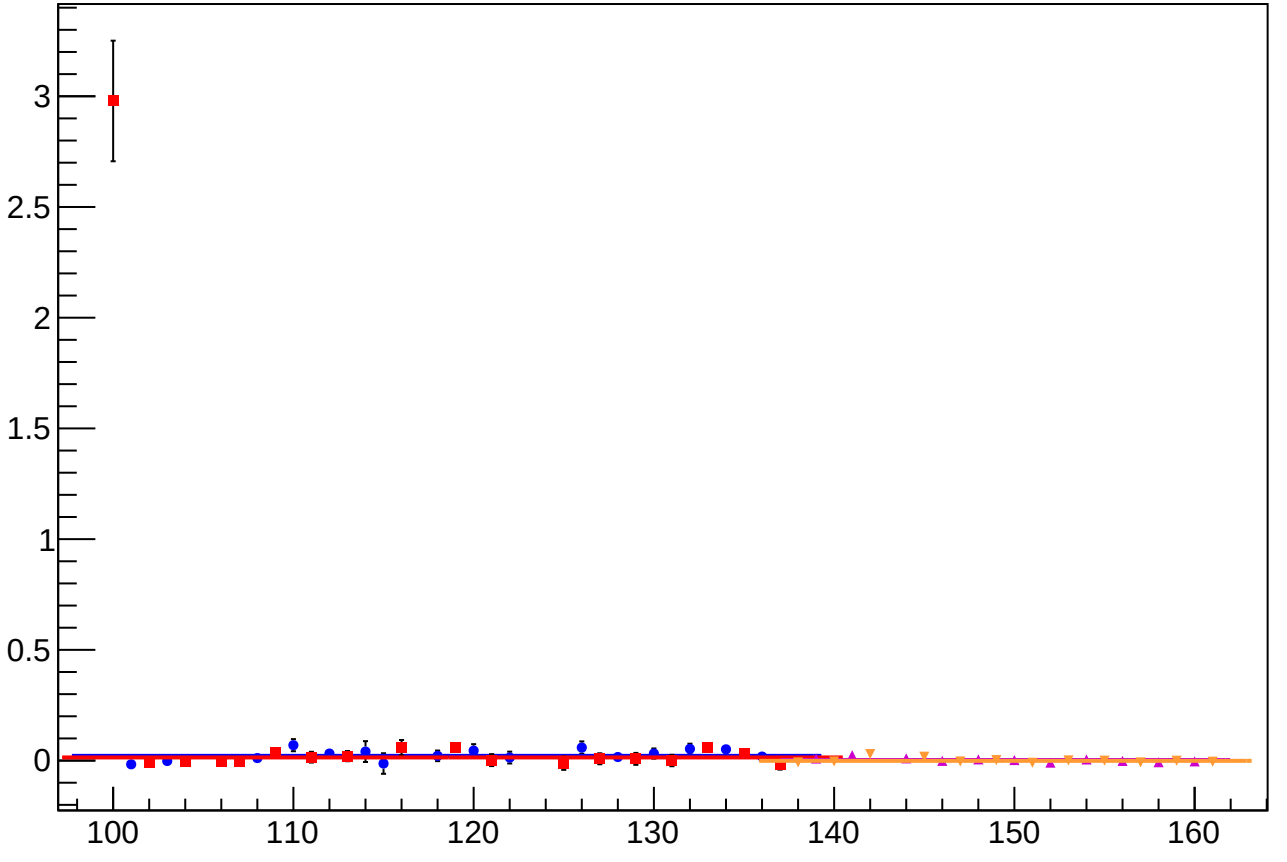
Left In: -0.359+/-0.067 χ^2/NDF:12.0/10

+ sign -0.181+/-0.052 χ^2/NDF: 31.5/27

All: -0.268+/-0.037 χ^2/NDF: 58.4/56

- sign -0.356+/-0.053 χ^2/NDF: 21.4/28

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+/-0.003 χ^2/NDF:8.7/11

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

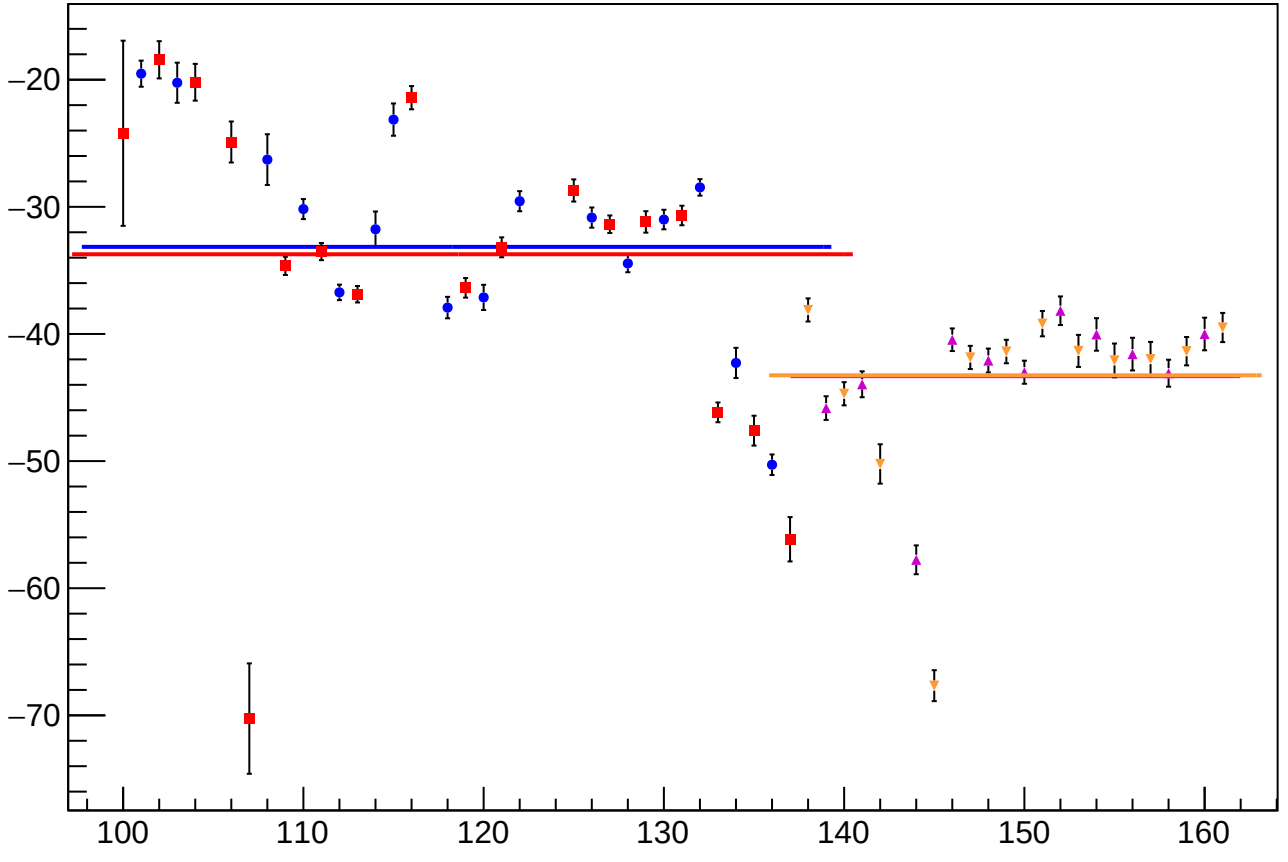
Left In: 0.002+/-0.003 χ^2/NDF:8.2/10

+ sign 0.005+/-0.003 χ^2/NDF: 46.6/27

All: 0.005+/-0.002 χ^2/NDF: 199.8/56

- sign 0.006+/-0.003 χ^2/NDF: 153.2/28

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -43.252+/-0.313 χ^2/NDF:497.5/11

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

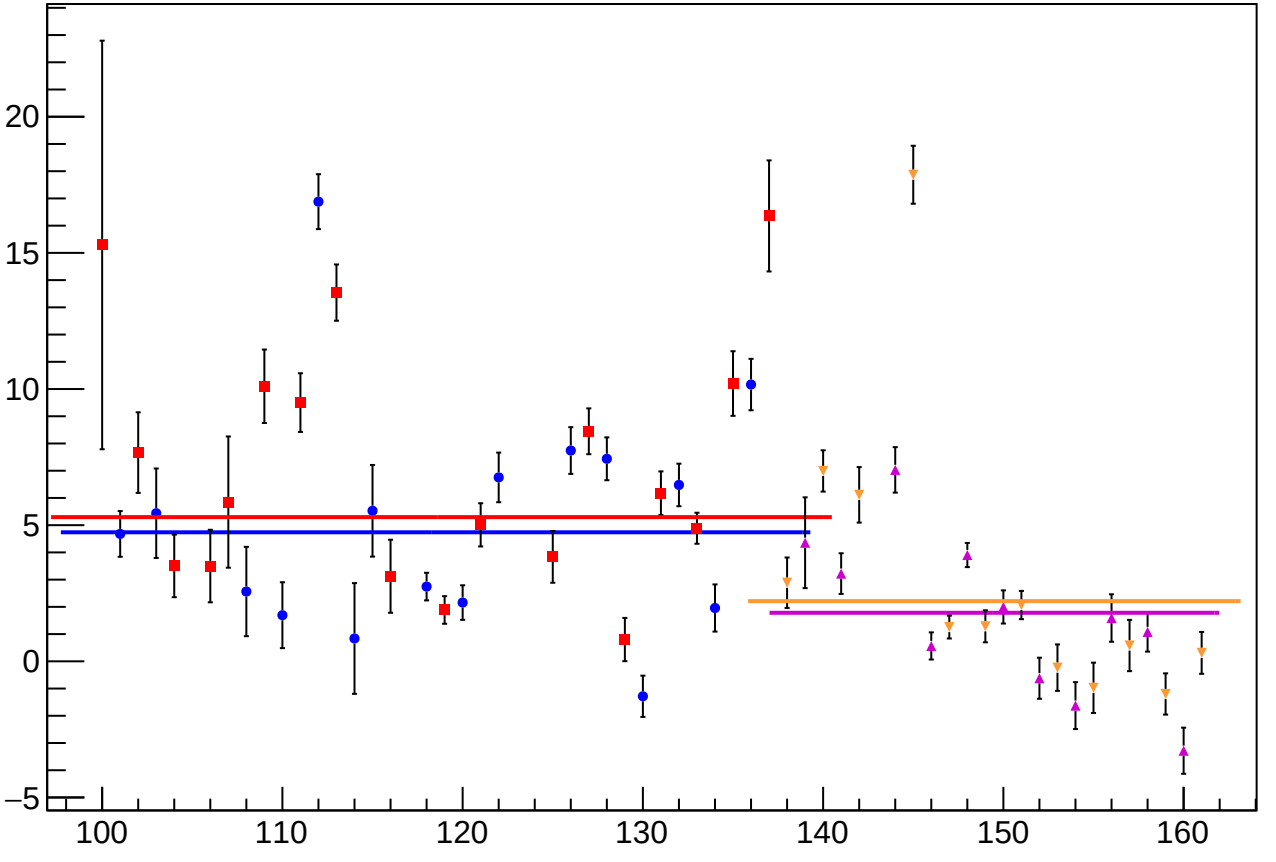
Left In: -43.320+/-0.316 χ^2/NDF:218.2/10

+ sign -36.444+/-0.179 χ^2/NDF: 2212.3/27

All: -36.603+/-0.126 χ^2/NDF: 4209.9/56

- sign -36.760+/-0.178 χ^2/NDF: 1996.0/28

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.211+/-0.204 χ^2/NDF:328.6/11

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

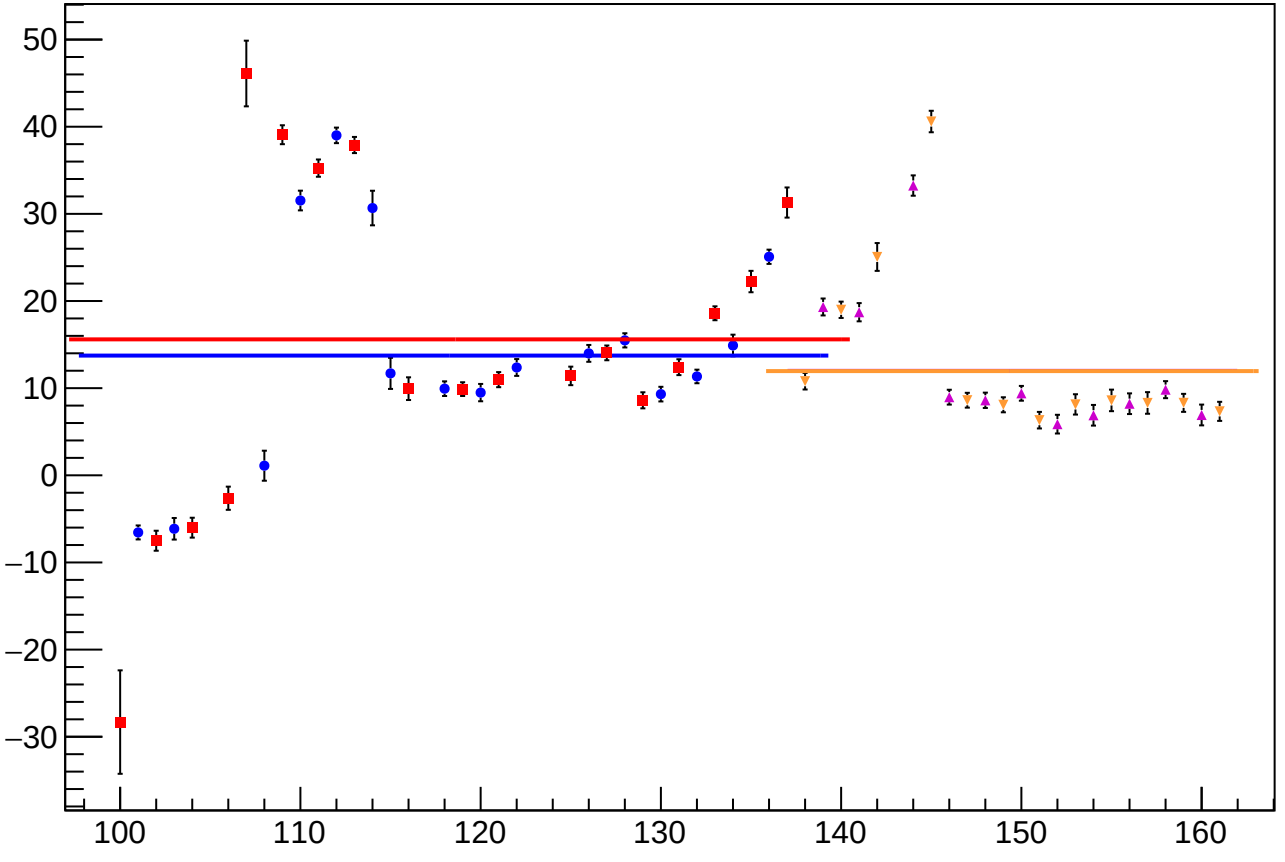
Left In: 1.783+/-0.208 χ^2/NDF:137.1/10

+ sign 3.381+/-0.149 χ^2/NDF: 729.6/27

All: 3.397+/-0.107 χ^2/NDF: 1244.2/56

- sign 3.414+/-0.152 χ^2/NDF: 514.5/28

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 11.958+/-0.302 χ^2/NDF:792.9/11

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

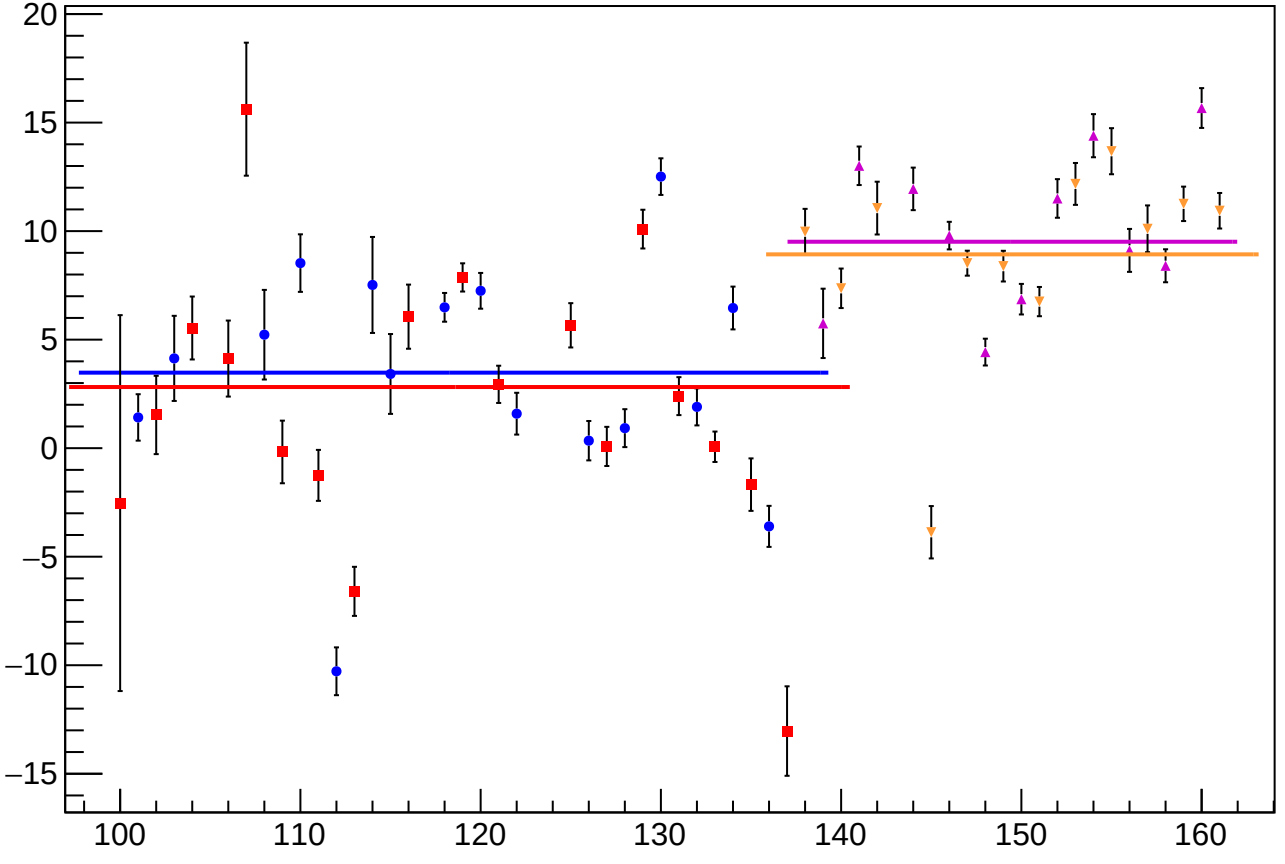
Left In: 11.984+/-0.304 χ^2/NDF:550.7/10

\+ sign 13.027+/-0.191 χ^2/NDF: 3163.6/27

All: 13.578+/-0.136 χ^2/NDF: 6641.7/56

\- sign 14.141+/-0.193 χ^2/NDF: 3461.3/28

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.929+/-0.245 χ^2/NDF:178.3/11

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

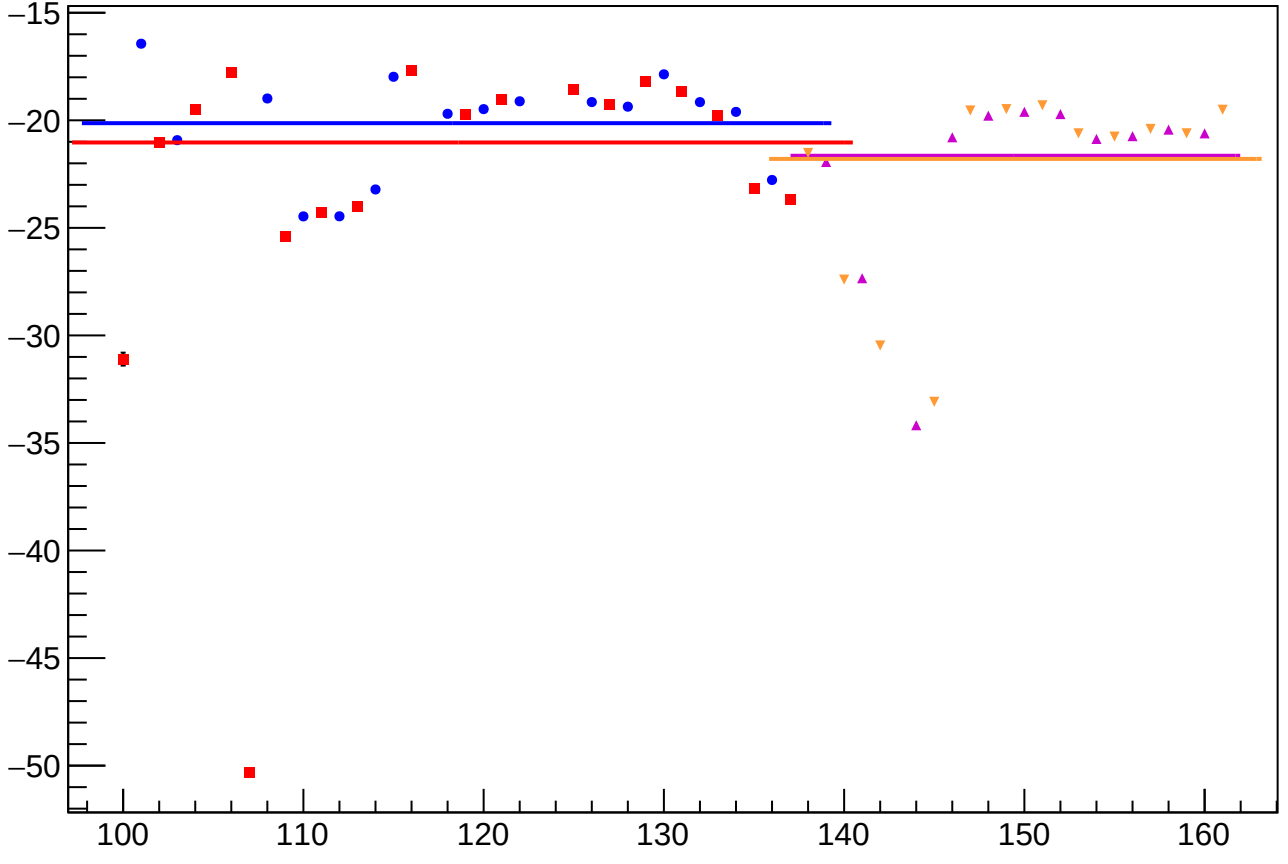
Left In: 9.510+/-0.250 χ^2/NDF:186.0/10

+ sign 6.294+/-0.176 χ^2/NDF: 844.4/27

All: 6.279+/-0.126 χ^2/NDF: 1724.2/56

- sign 6.263+/-0.179 χ^2/NDF: 879.8/28

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -21.794+/-0.012 χ^2/NDF:109044.7/11

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

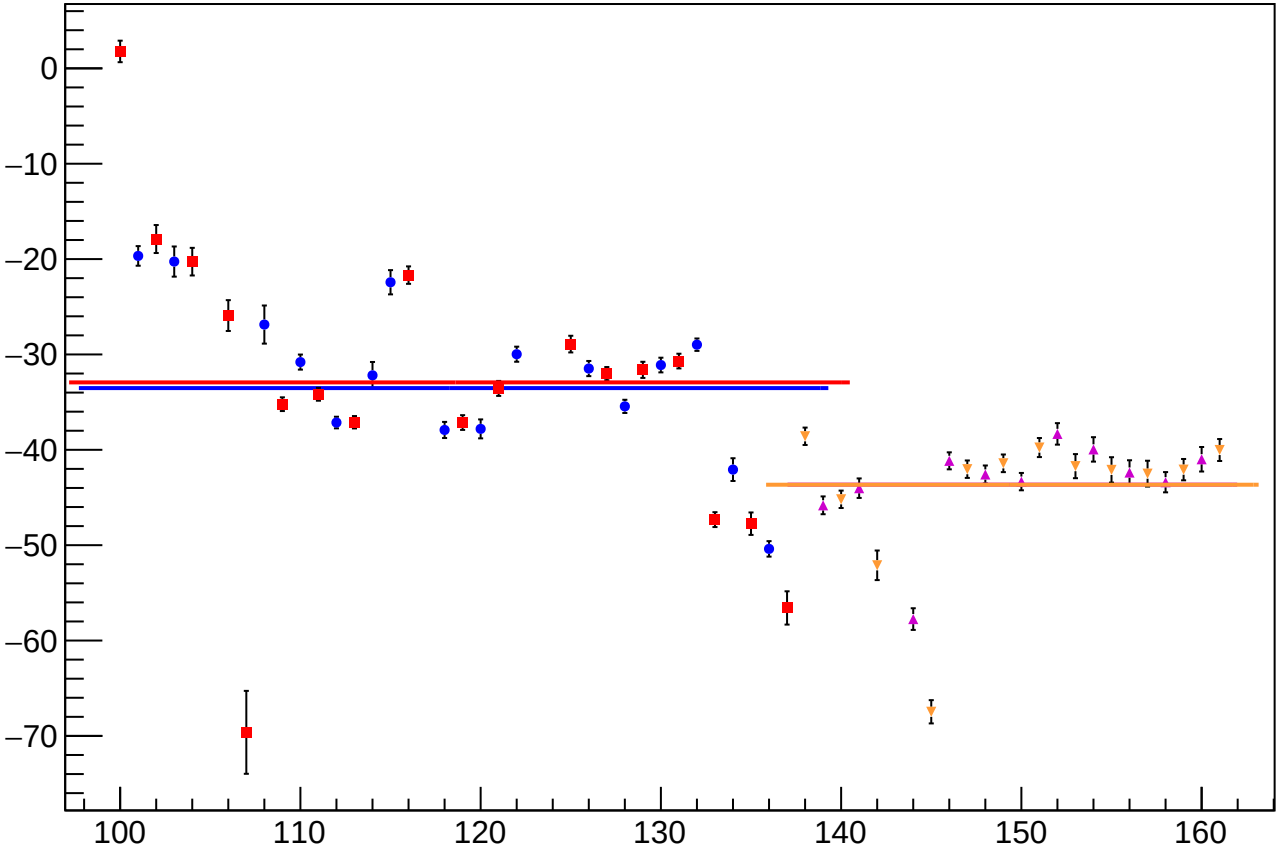
Left In: -21.648+/-0.012 χ^2/NDF:87010.7/10

+ sign -21.221+/-0.009 χ^2/NDF: 135921.9/27

All: -21.333+/-0.007 χ^2/NDF: 281685.6/56

- sign -21.445+/-0.009 χ^2/NDF: 145480.3/28

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -43.661+/-0.314 χ^2/NDF:485.1/11

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

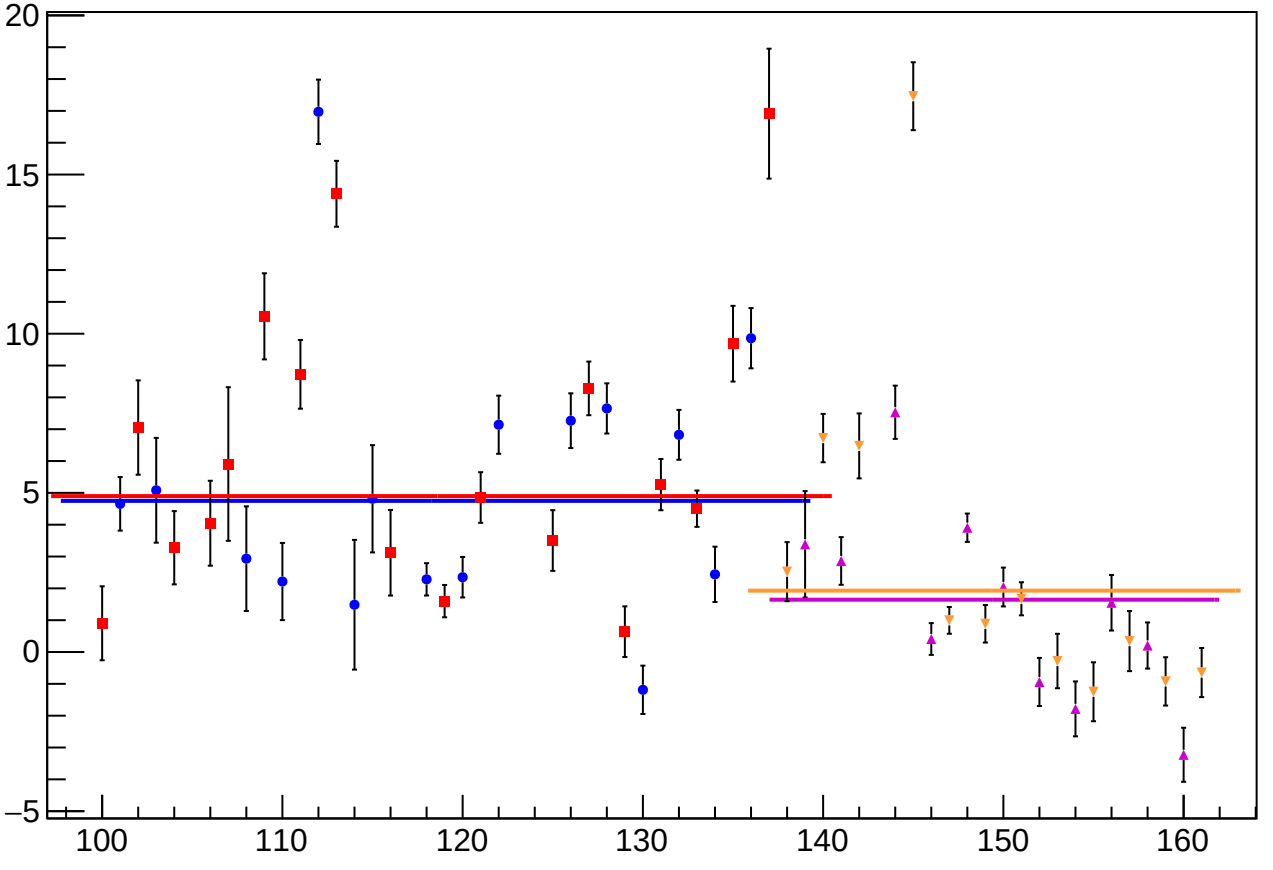
Left In: -43.653+/-0.317 χ^2/NDF:204.8/10

+ sign -36.835+/-0.179 χ^2/NDF: 2195.9/27

All: -36.531+/-0.126 χ^2/NDF: 5368.5/56

- sign -36.239+/-0.176 χ^2/NDF: 3167.0/28

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.928+/-0.204 χ^2/NDF:327.0/11

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

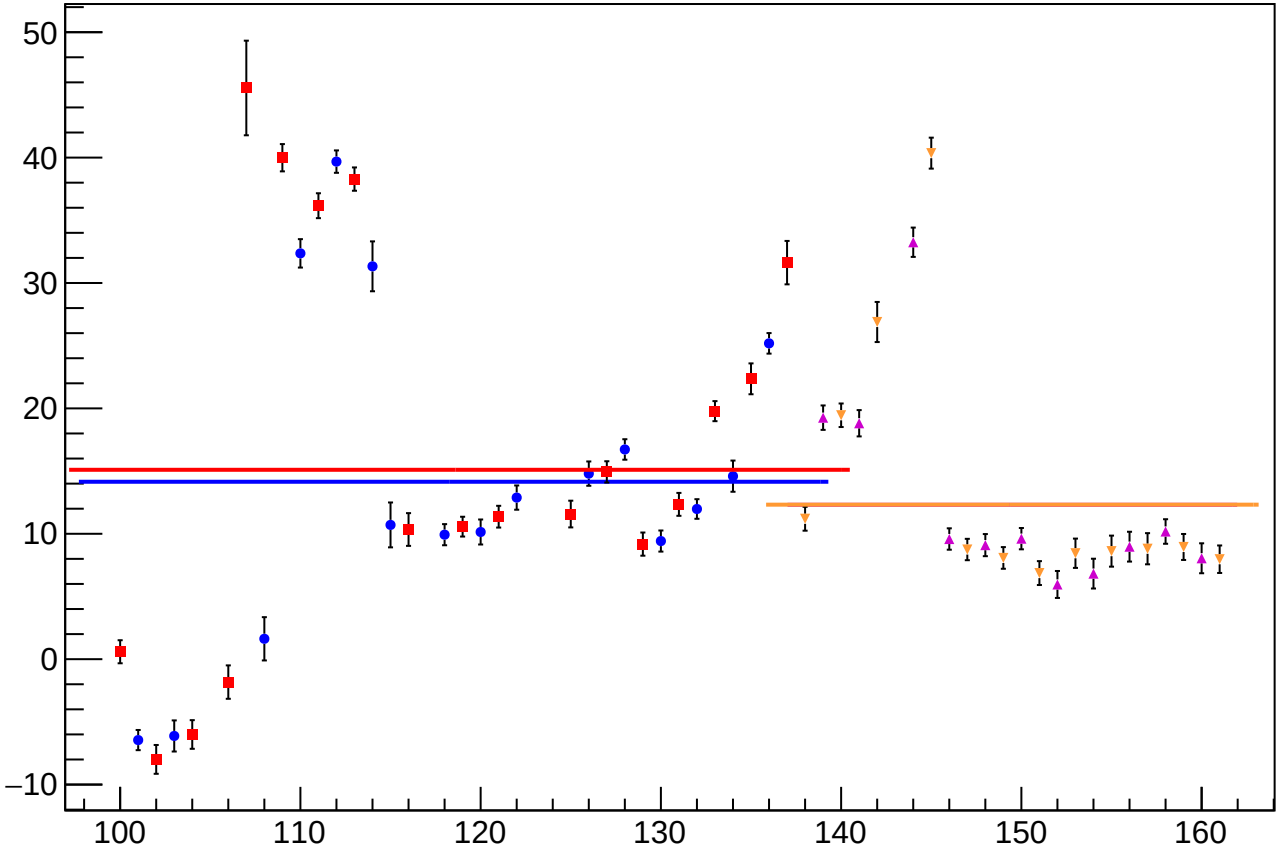
Left In: 1.644+/-0.208 χ^2/NDF:150.1/10

\+ sign 3.233+/-0.149 χ^2/NDF: 741.2/27

All: 3.209+/-0.106 χ^2/NDF: 1279.8/56

\- sign 3.184+/-0.151 χ^2/NDF: 538.6/28

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 12.322+/-0.303 χ^2/NDF:786.3/11

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

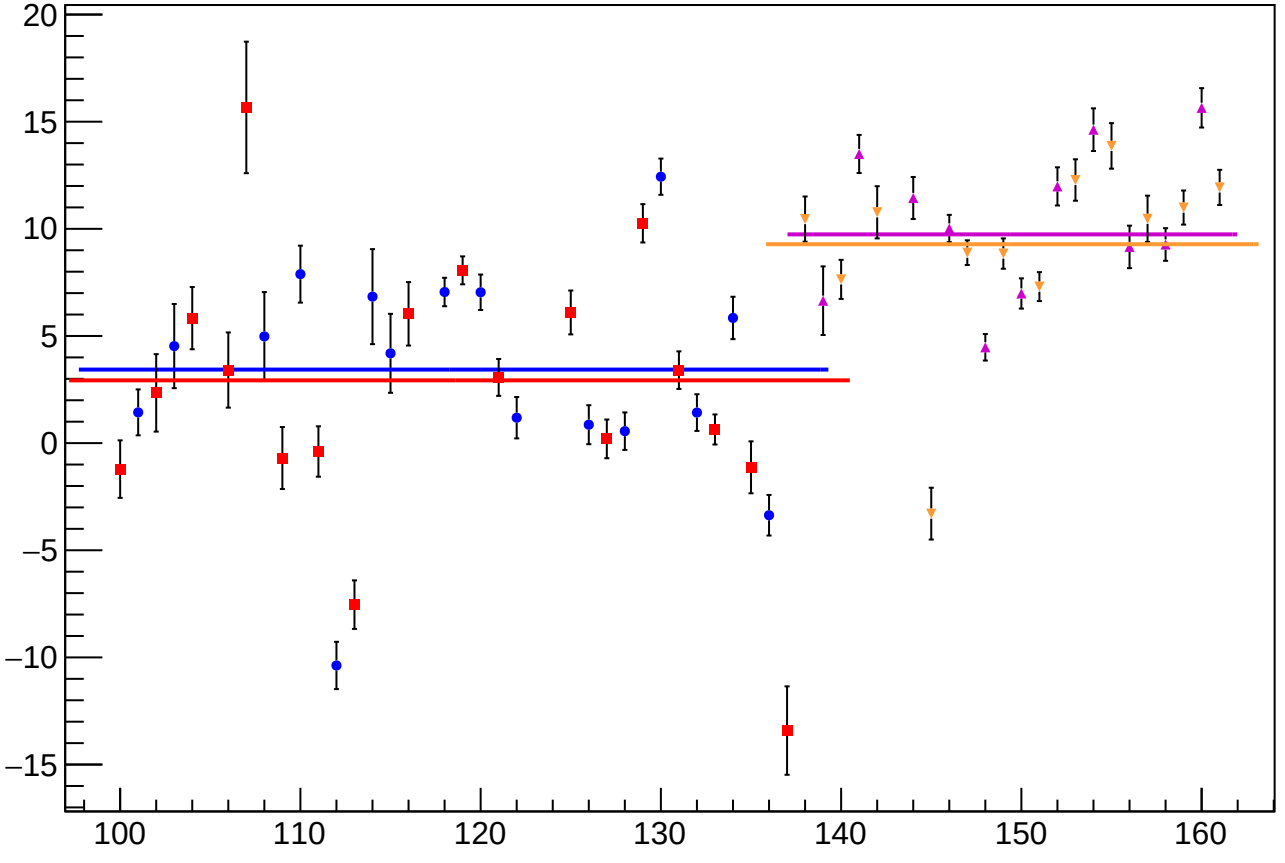
Left In: 12.310+/-0.305 χ^2/NDF:525.5/10

+ sign 13.418+/-0.192 χ^2/NDF: 3210.5/27

All: 13.724+/-0.135 χ^2/NDF: 6894.8/56

- sign 14.023+/-0.190 χ^2/NDF: 3679.3/28

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.282+/-0.246 χ^2/NDF:168.0/11

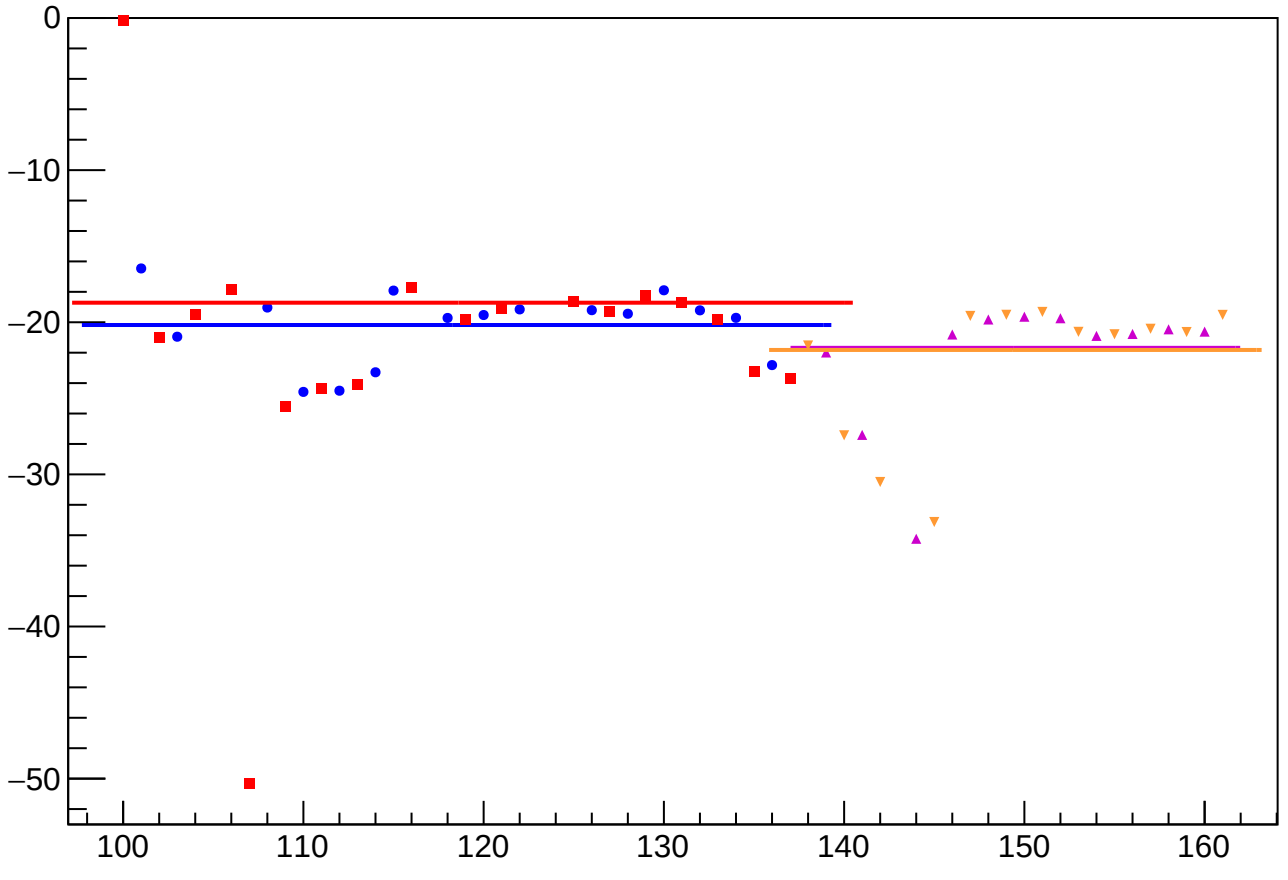
Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.741+/-0.250 χ^2/NDF:185.0/10

+ sign 6.454+/-0.177 χ^2/NDF: 865.6/27

All: 6.416+/-0.125 χ^2/NDF: 1784.5/56

- sign 6.378+/-0.178 χ^2/NDF: 918.9/28



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.820+/-0.012 χ^2/NDF:108844.3/11

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

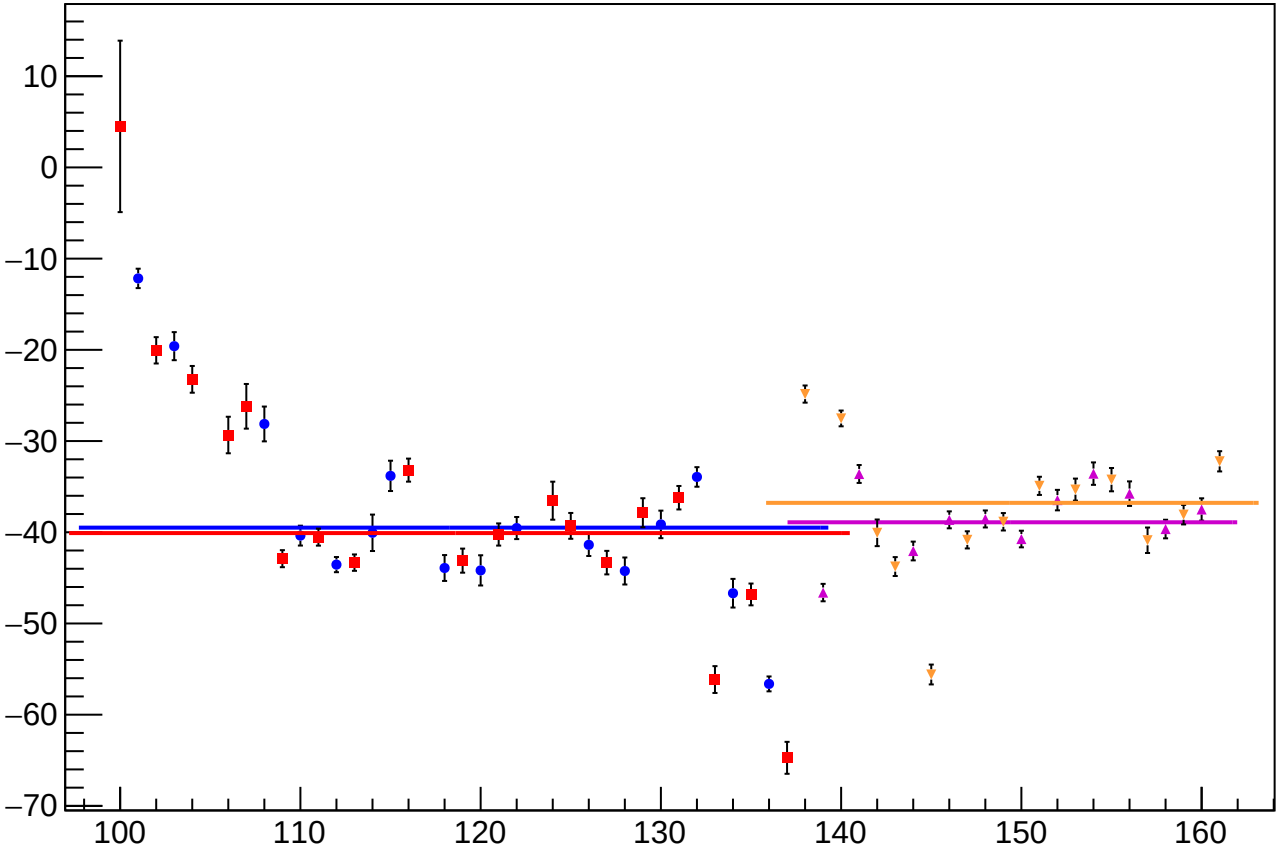
Left In: -21.681+/-0.012 χ^2/NDF:87196.2/10

+ sign -21.254+/-0.009 χ^2/NDF: 135538.7/27

All: -20.937+/-0.007 χ^2/NDF: 483093.2/56

- sign -20.629+/-0.009 χ^2/NDF: 345319.2/28

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -36.776+/-0.296 χ^2/NDF:683.8/12

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

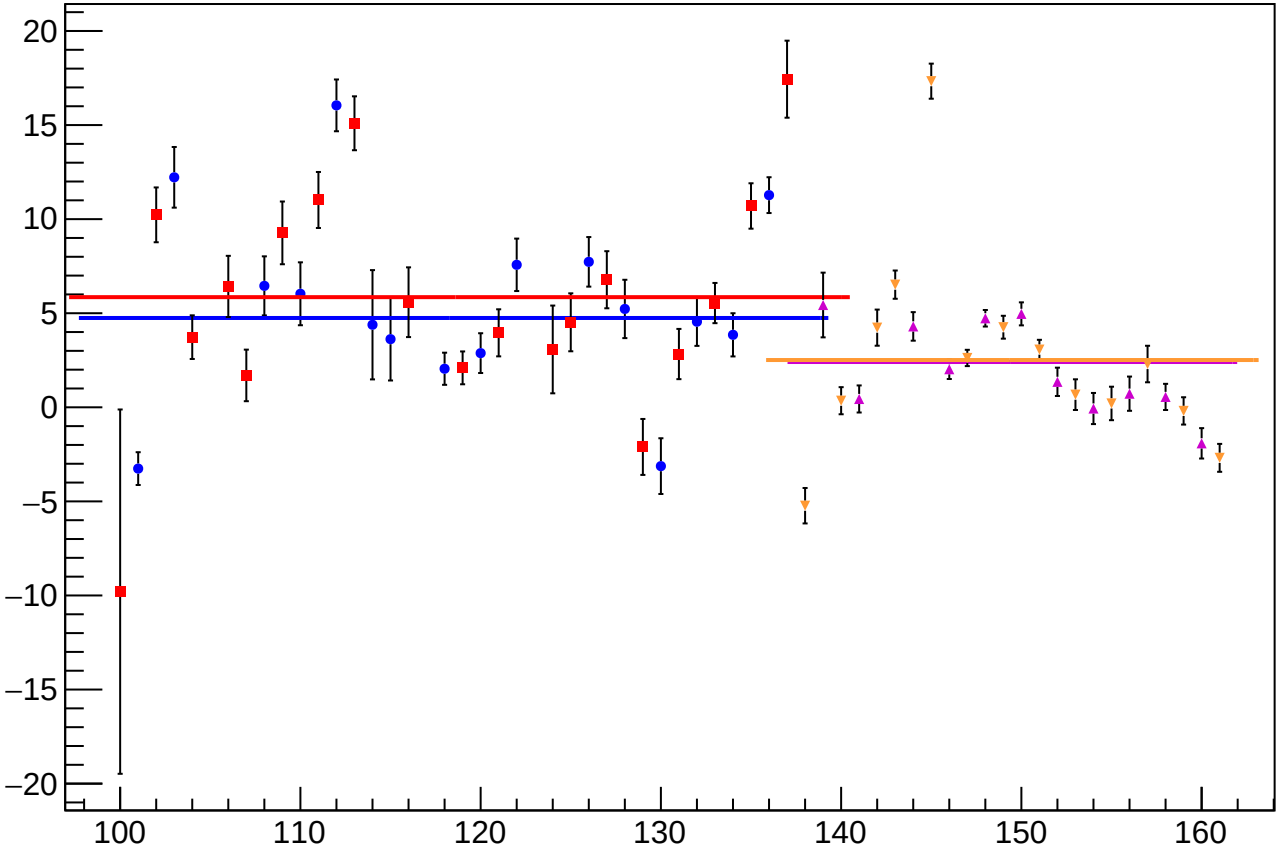
Left In: -38.906+/-0.313 χ^2/NDF:138.6/10

+ sign -38.067+/-0.214 χ^2/NDF: 2141.0/28

All: -38.771+/-0.153 χ^2/NDF: 3144.0/58

- sign -39.509+/-0.219 χ^2/NDF: 980.8/29

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 2.512+/-0.195 χ^2/NDF:445.2/12

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

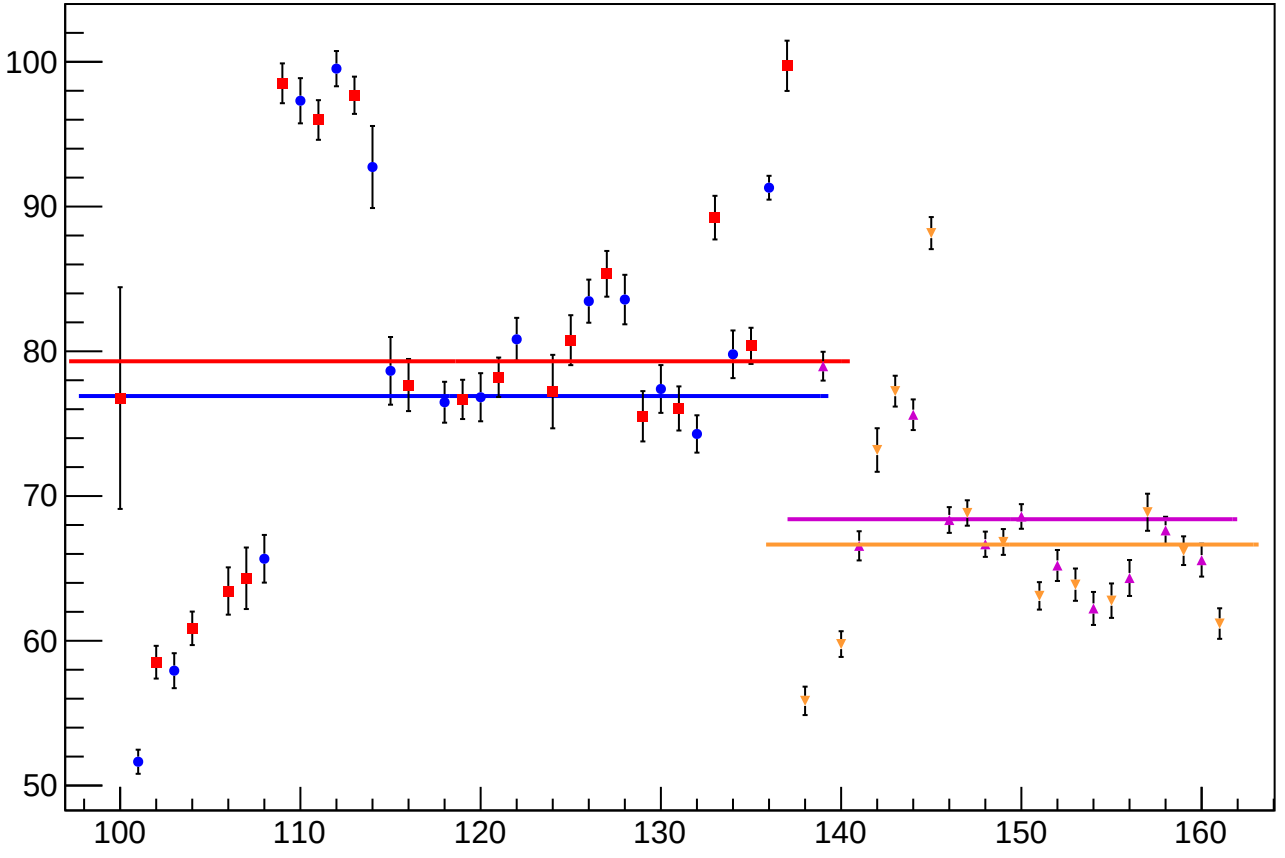
Left In: 2.407+/-0.206 χ^2/NDF:112.9/10

\+ sign 3.128+/-0.166 χ^2/NDF: 755.3/28

All: 3.257+/-0.120 χ^2/NDF: 1137.7/58

\- sign 3.399+/-0.174 χ^2/NDF: 381.2/29

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 66.649+/-0.287 χ^2/NDF:742.7/12

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

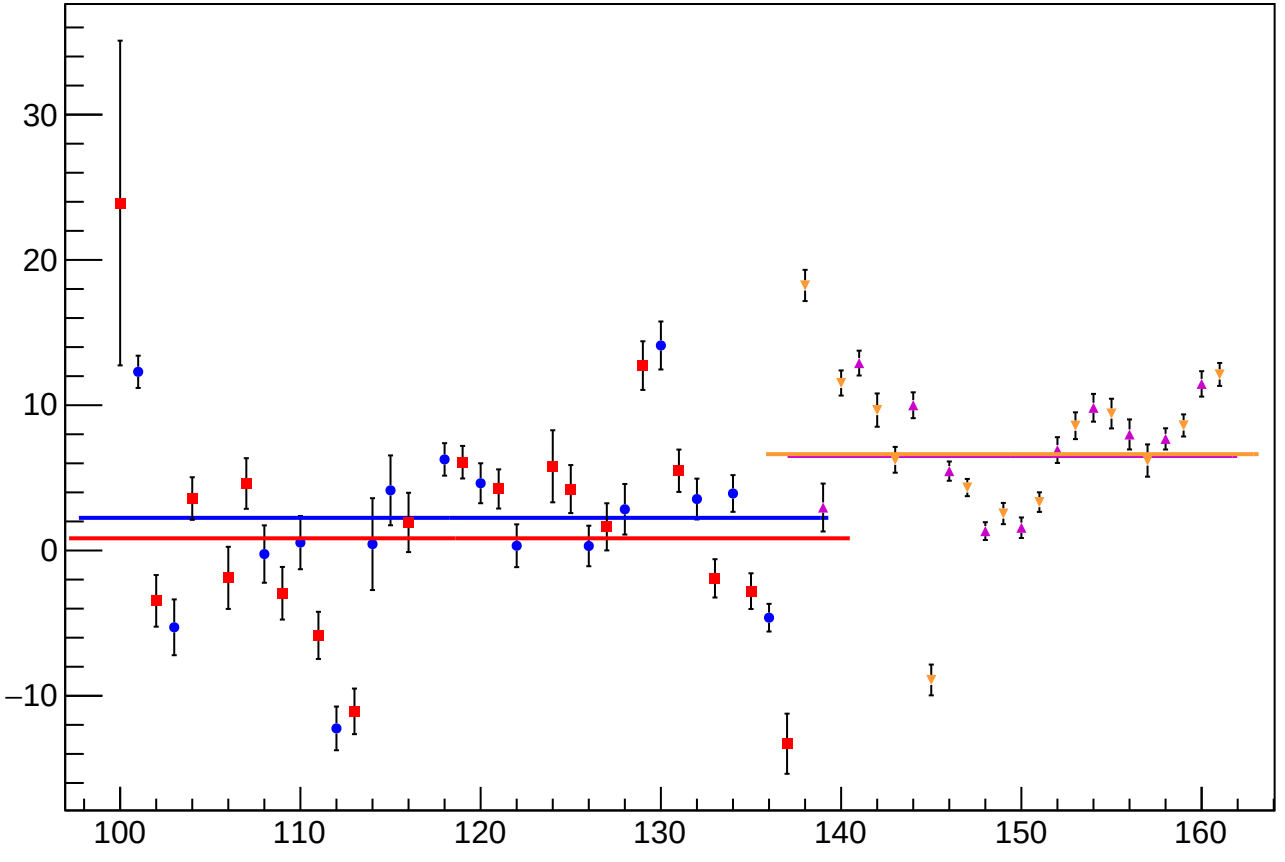
Left In: 68.399+/-0.301 χ^2/NDF:222.2/10

+ sign 70.965+/-0.218 χ^2/NDF: 3396.1/28

All: 71.975+/-0.158 χ^2/NDF: 5721.9/58

- sign 73.071+/-0.228 χ^2/NDF: 2281.3/29

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 6.632+/-0.234 χ^2/NDF:508.3/12

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

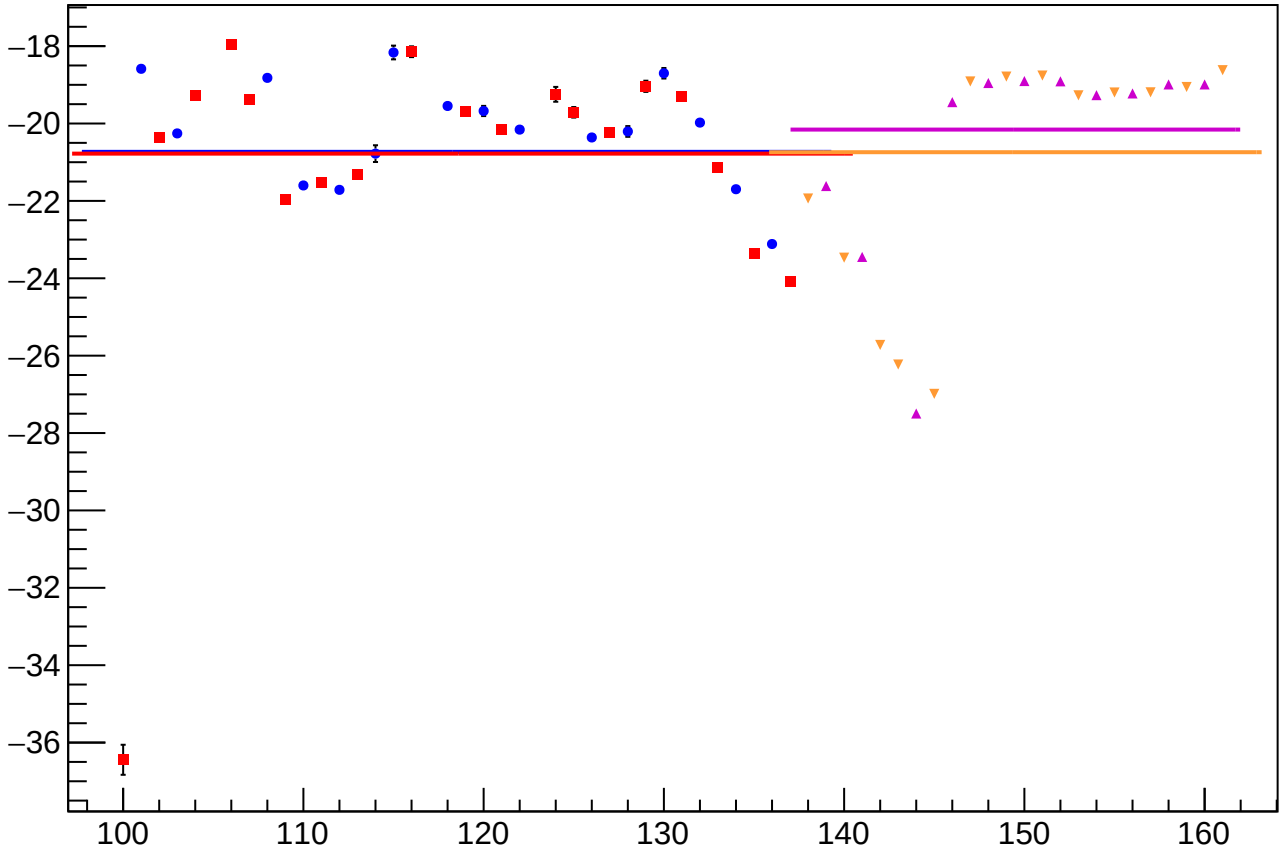
Left In: 6.508+/-0.247 χ^2/NDF:247.7/10

+ sign 5.347+/-0.197 χ^2/NDF: 931.0/28

All: 5.075+/-0.142 χ^2/NDF: 1600.2/58

- sign 4.777+/-0.206 χ^2/NDF: 665.2/29

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.741+/-0.011 χ^2/NDF:65598.4/12

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

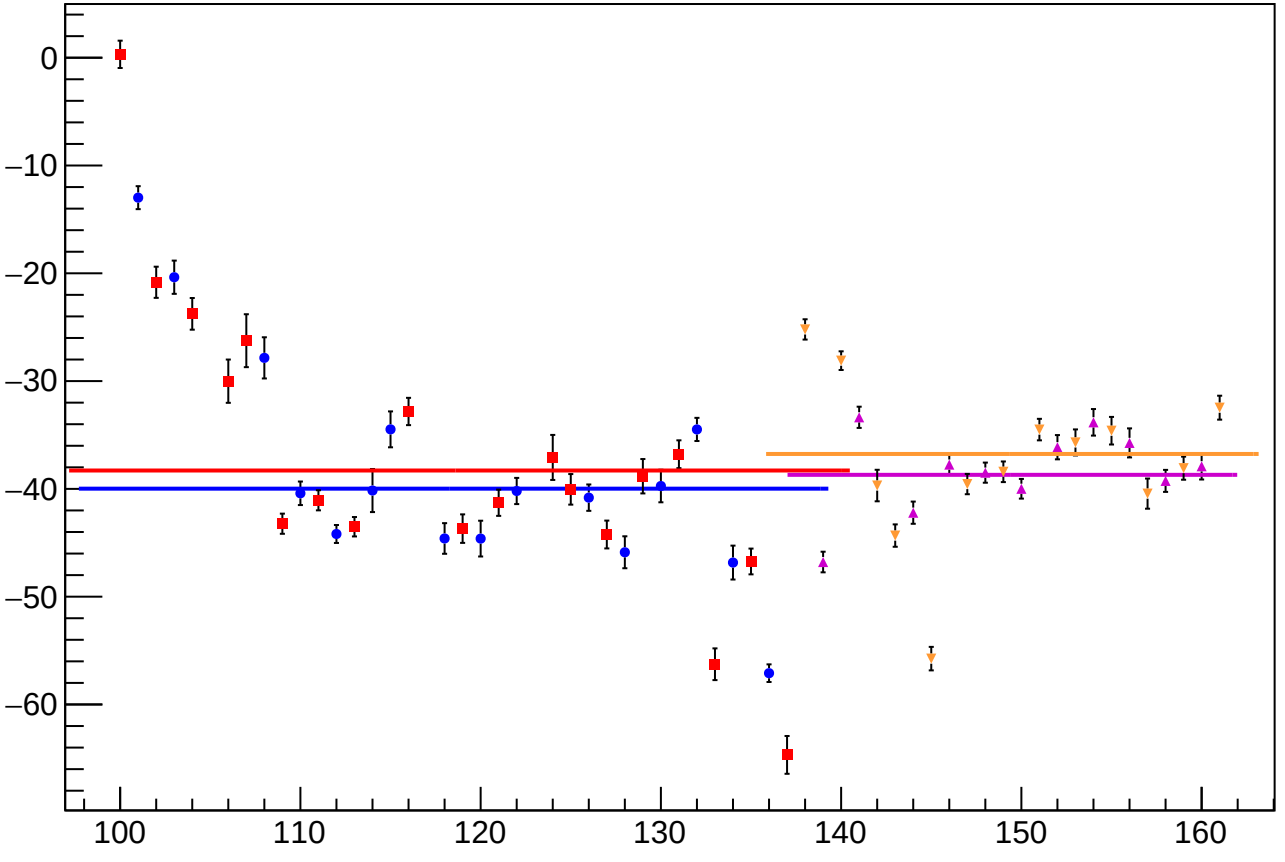
Left In: -20.157+/-0.011 χ^2/NDF:39070.6/10

+ sign -20.739+/-0.010 χ^2/NDF: 73232.7/28

All: -20.530+/-0.007 χ^2/NDF: 123423.5/58

- sign -20.307+/-0.010 χ^2/NDF: 49215.7/29

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -36.760+/-0.296 χ^2/NDF:654.6/12

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

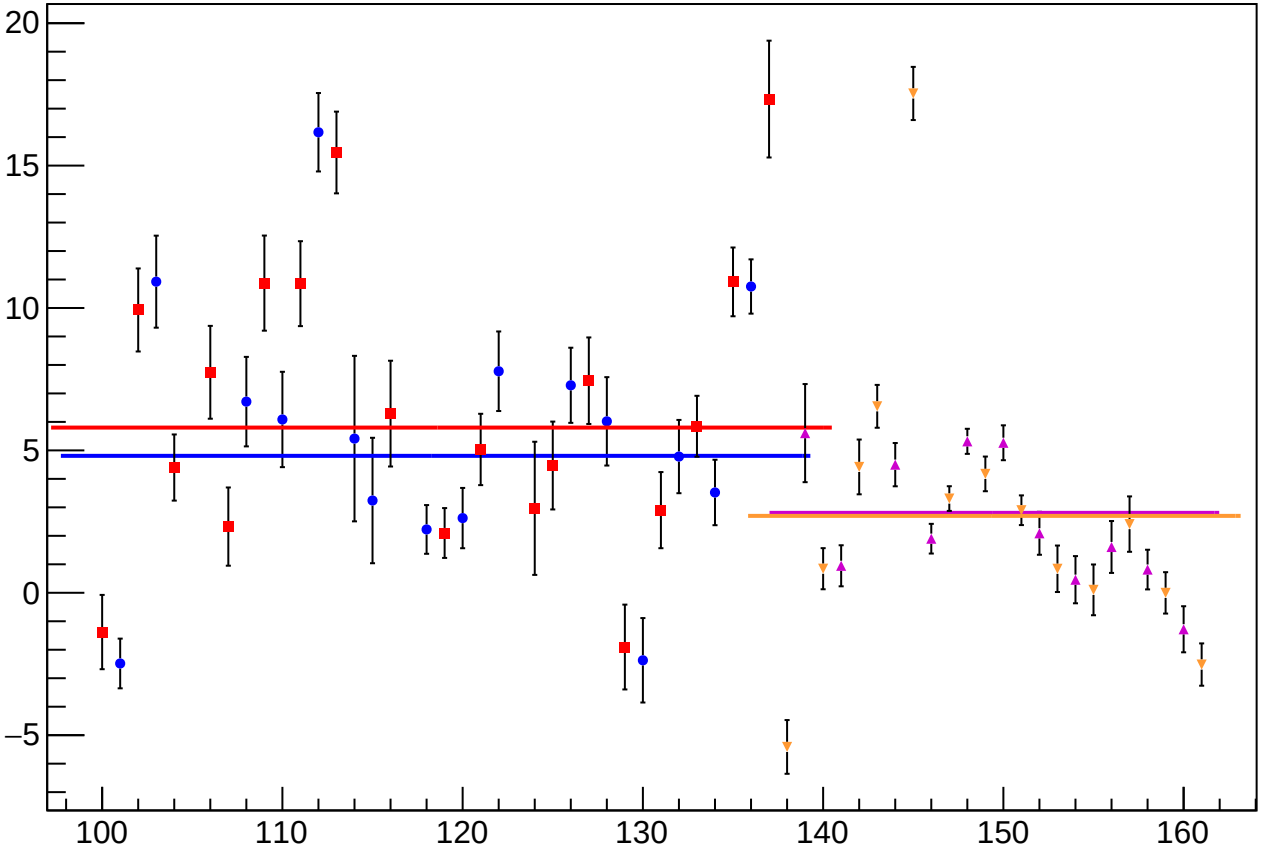
Left In: -38.697+/-0.313 χ^2/NDF:142.0/10

+ sign -38.290+/-0.214 χ^2/NDF: 2109.1/28

All: -38.388+/-0.152 χ^2/NDF: 4026.1/58

- sign -38.487+/-0.216 χ^2/NDF: 1916.6/29

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 2.700+/-0.195 χ^2/NDF:447.3/12

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

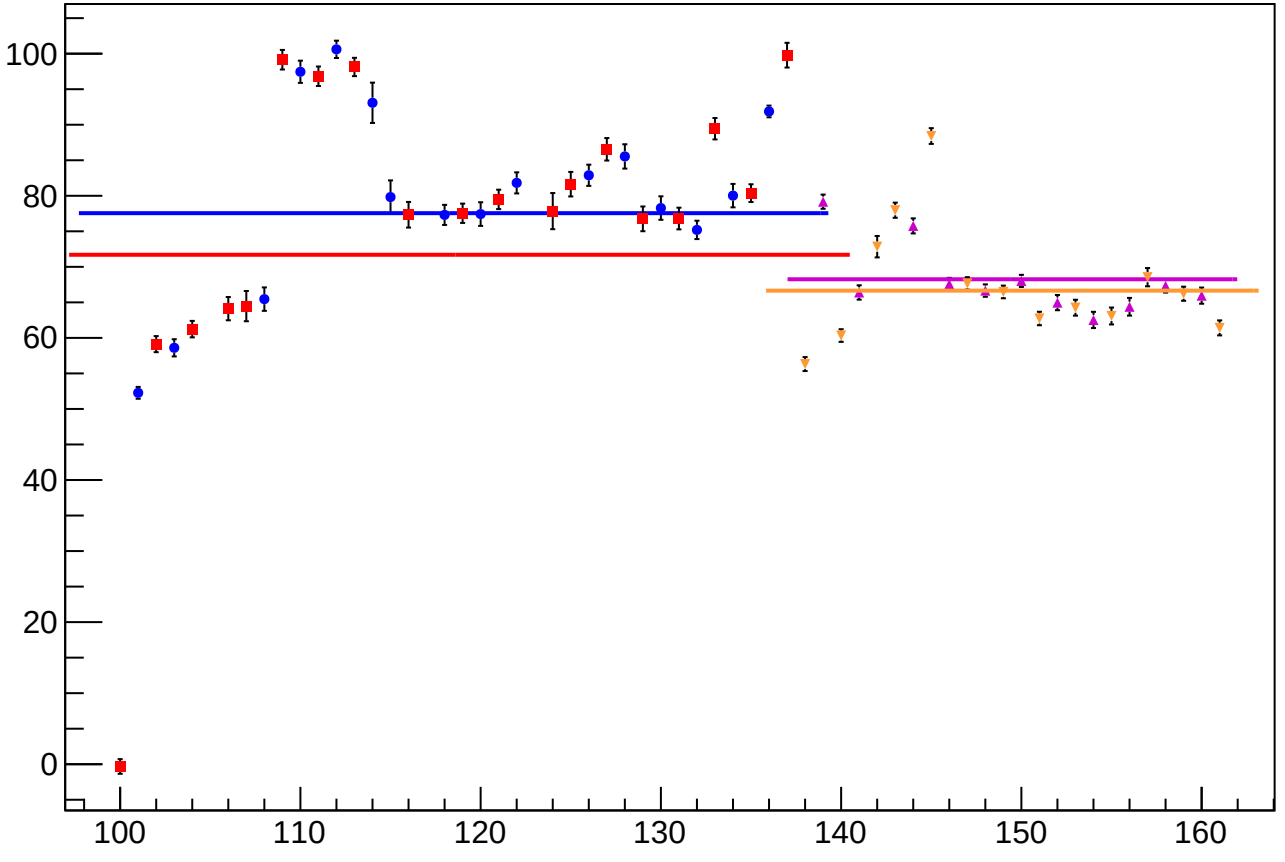
Left In: 2.807+/-0.206 χ^2/NDF:110.3/10

\+ sign 3.281+/-0.166 χ^2/NDF: 719.9/28

All: 3.485+/-0.120 χ^2/NDF: 1113.1/58

\- sign 3.705+/-0.173 χ^2/NDF: 390.0/29

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 66.651+/-0.287 χ^2/NDF:733.5/12

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

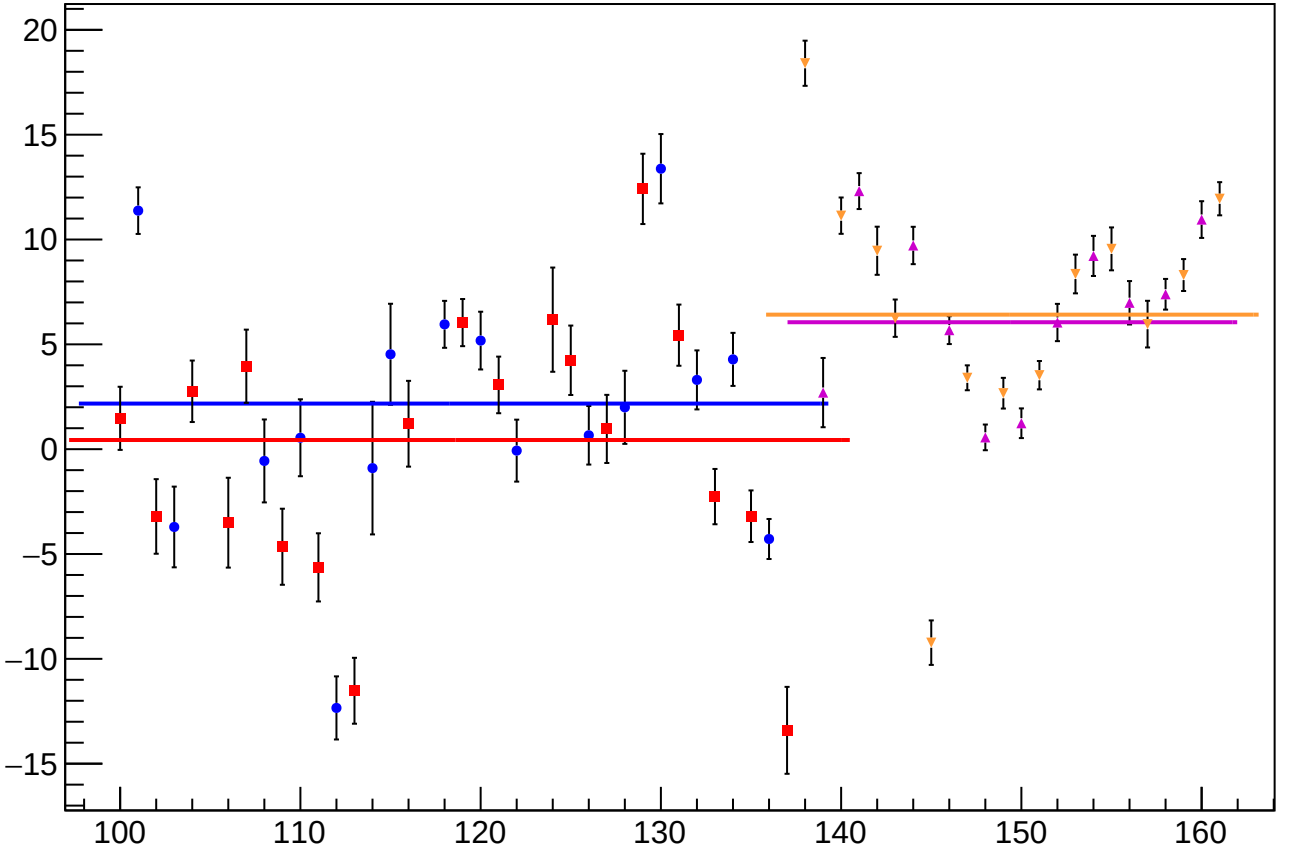
Left In: 68.250+/-0.302 χ^2/NDF:226.6/10

+ sign 71.237+/-0.219 χ^2/NDF: 3456.8/28

All: 70.540+/-0.156 χ^2/NDF: 10667.1/58

- sign 69.817+/-0.223 χ^2/NDF: 7189.6/29

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 6.417+/-0.234 χ^2/NDF:517.3/12

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

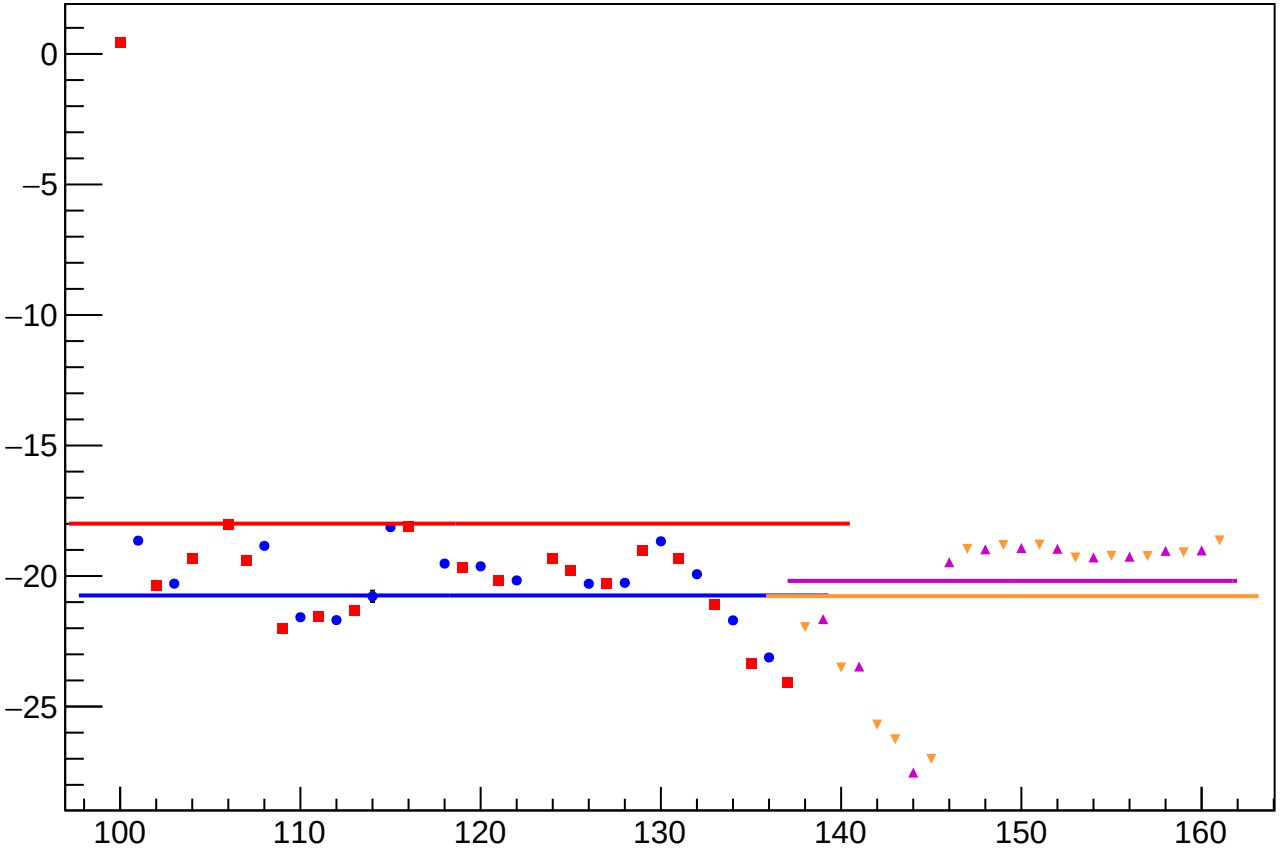
Left In: 6.055+/-0.247 χ^2/NDF:247.5/10

+ sign 5.173+/-0.197 χ^2/NDF: 903.8/28

All: 4.737+/-0.142 χ^2/NDF: 1579.9/58

- sign 4.269+/-0.204 χ^2/NDF: 665.9/29

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.769+/-0.011 χ^2/NDF:65153.7/12

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

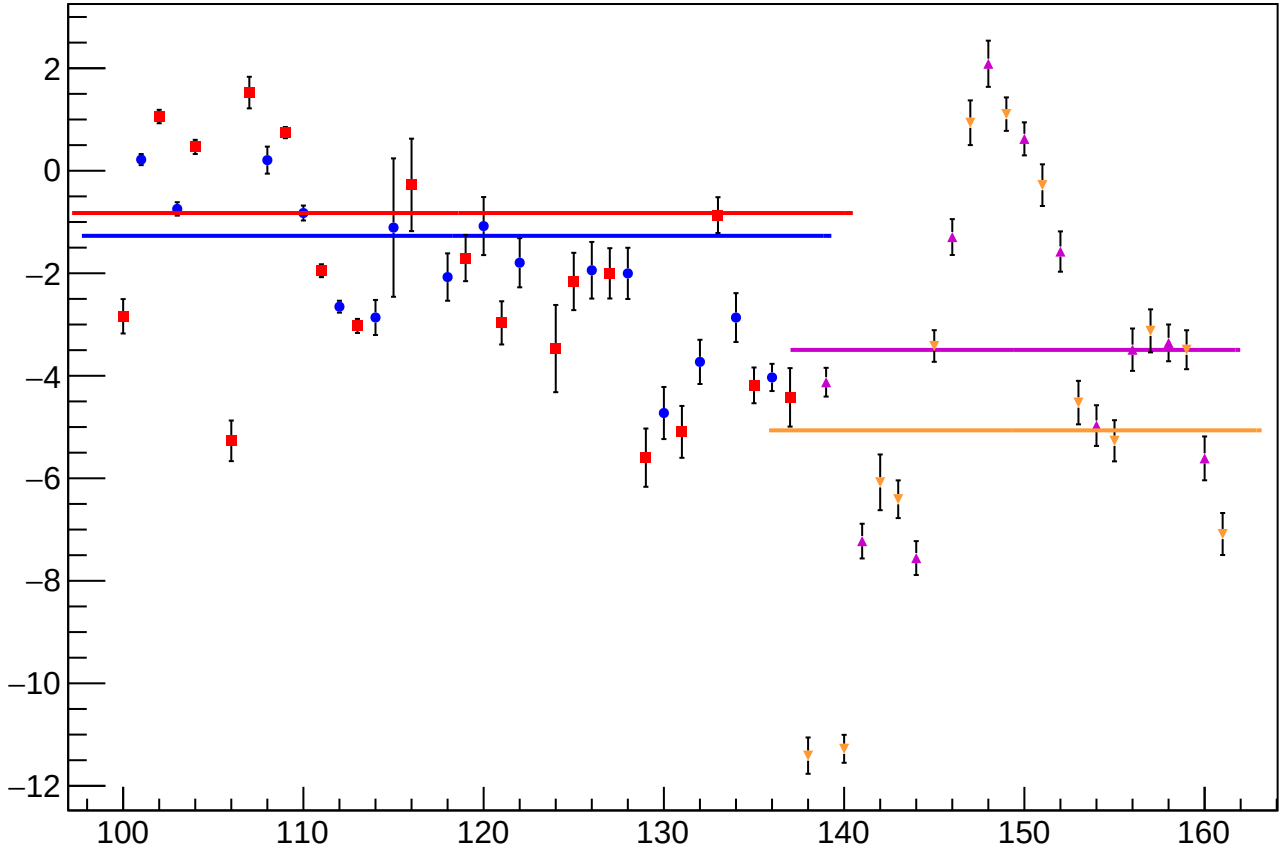
Left In: -20.187+/-0.011 χ^2/NDF:38898.6/10

+ sign -20.763+/-0.010 χ^2/NDF: 72668.6/28

All: -20.189+/-0.007 χ^2/NDF: 279223.8/58

- sign -19.599+/-0.010 χ^2/NDF: 199365.7/29

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.065+/-0.103 χ^2/NDF:1634.7/12

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

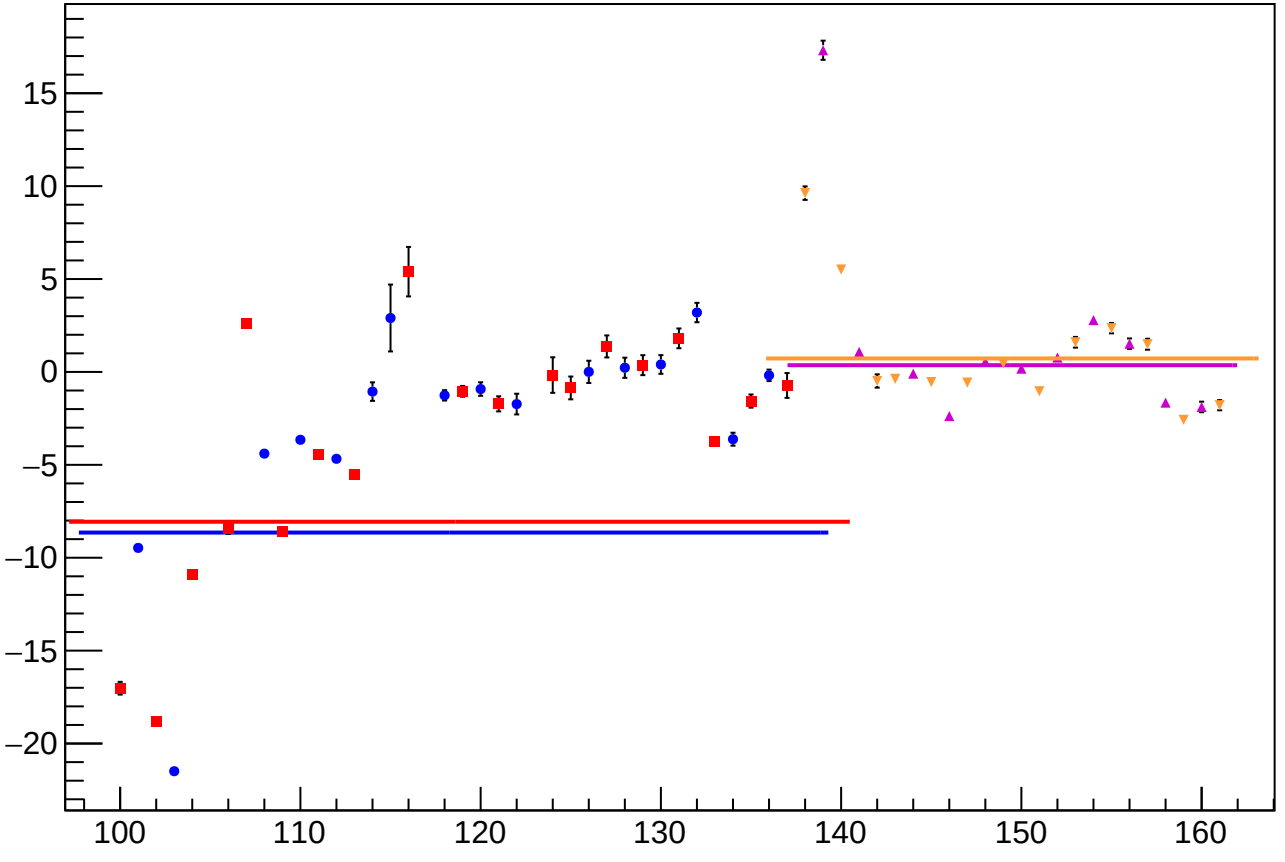
Left In: -3.495+/-0.108 χ^2/NDF:695.9/10

+ sign -2.096+/-0.048 χ^2/NDF: 3306.7/28

All: -1.686+/-0.033 χ^2/NDF: 6022.9/58

- sign -1.310+/-0.046 χ^2/NDF: 2577.3/29

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.726+/-0.072 χ^2/NDF:1485.7/12

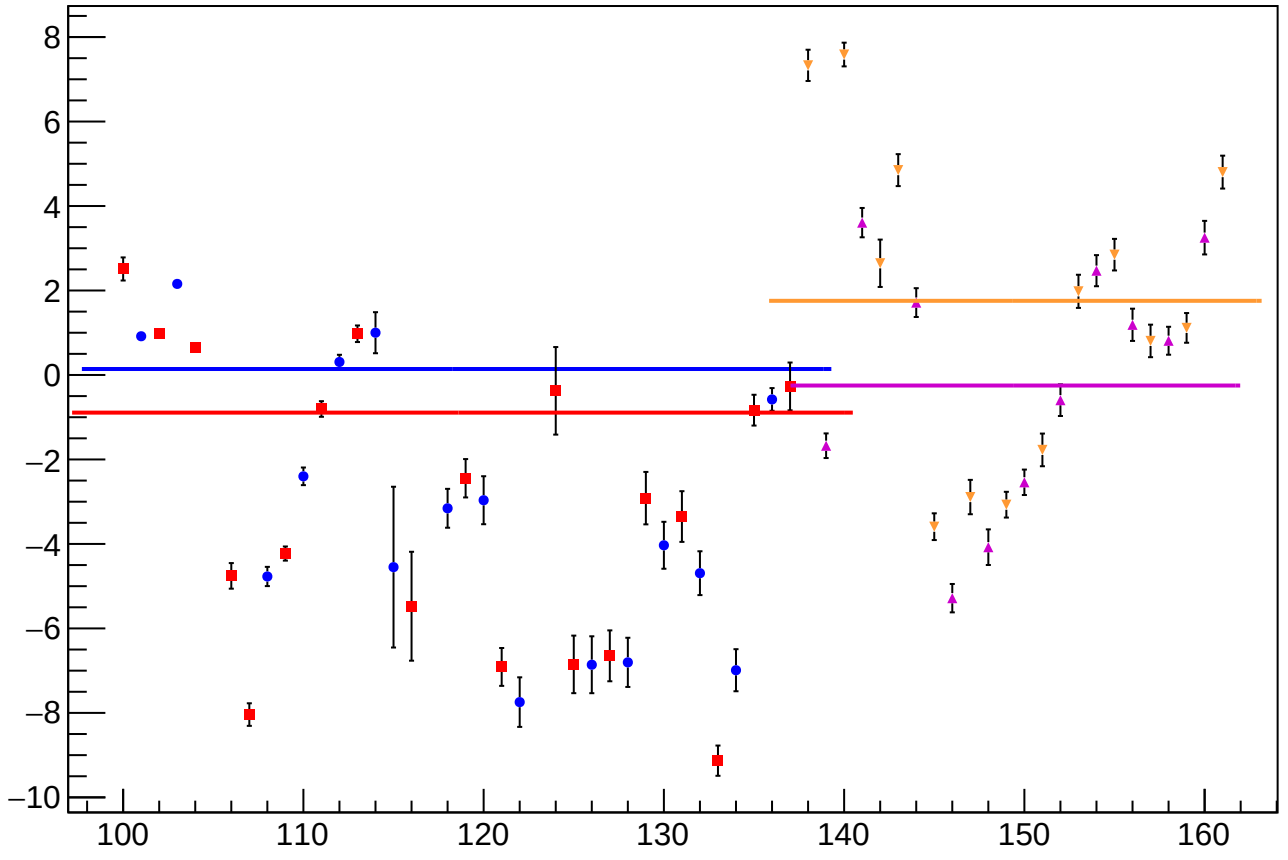
Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.363+/-0.077 χ^2/NDF:1493.1/10

+ sign -5.025+/-0.045 χ^2/NDF: 25778.5/28

All: -5.023+/-0.032 χ^2/NDF: 49450.0/58

- sign -5.021+/-0.046 χ^2/NDF: 23671.5/29



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.756+/-0.101 χ^2/NDF:1557.3/12

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

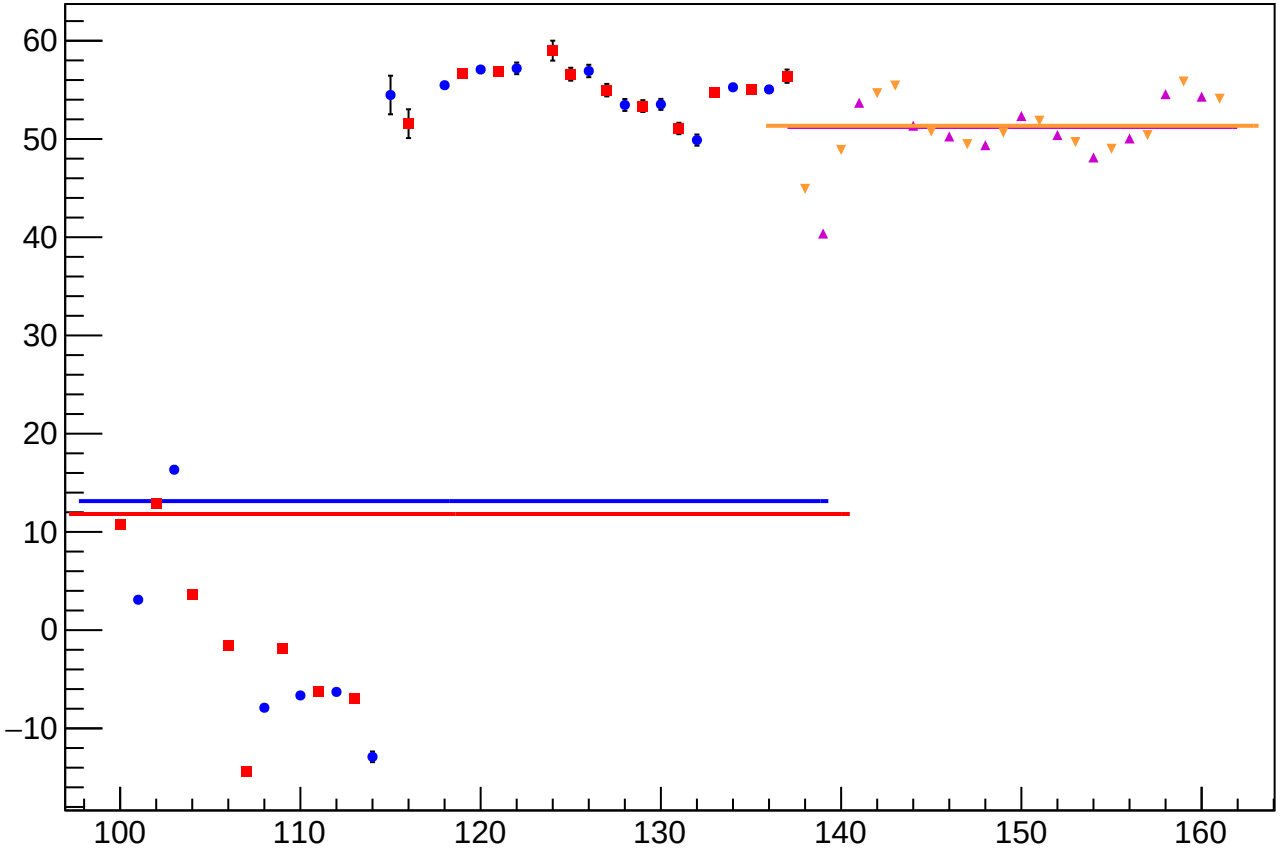
Left In: -0.250+/-0.105 χ^2/NDF:702.4/10

\+ sign 0.491+/-0.047 χ^2/NDF: 3718.6/28

All: -0.122+/-0.033 χ^2/NDF: 7785.2/58

\- sign -0.758+/-0.048 χ^2/NDF: 3717.8/29

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.344+/-0.084 χ^2/NDF:1065.1/12

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

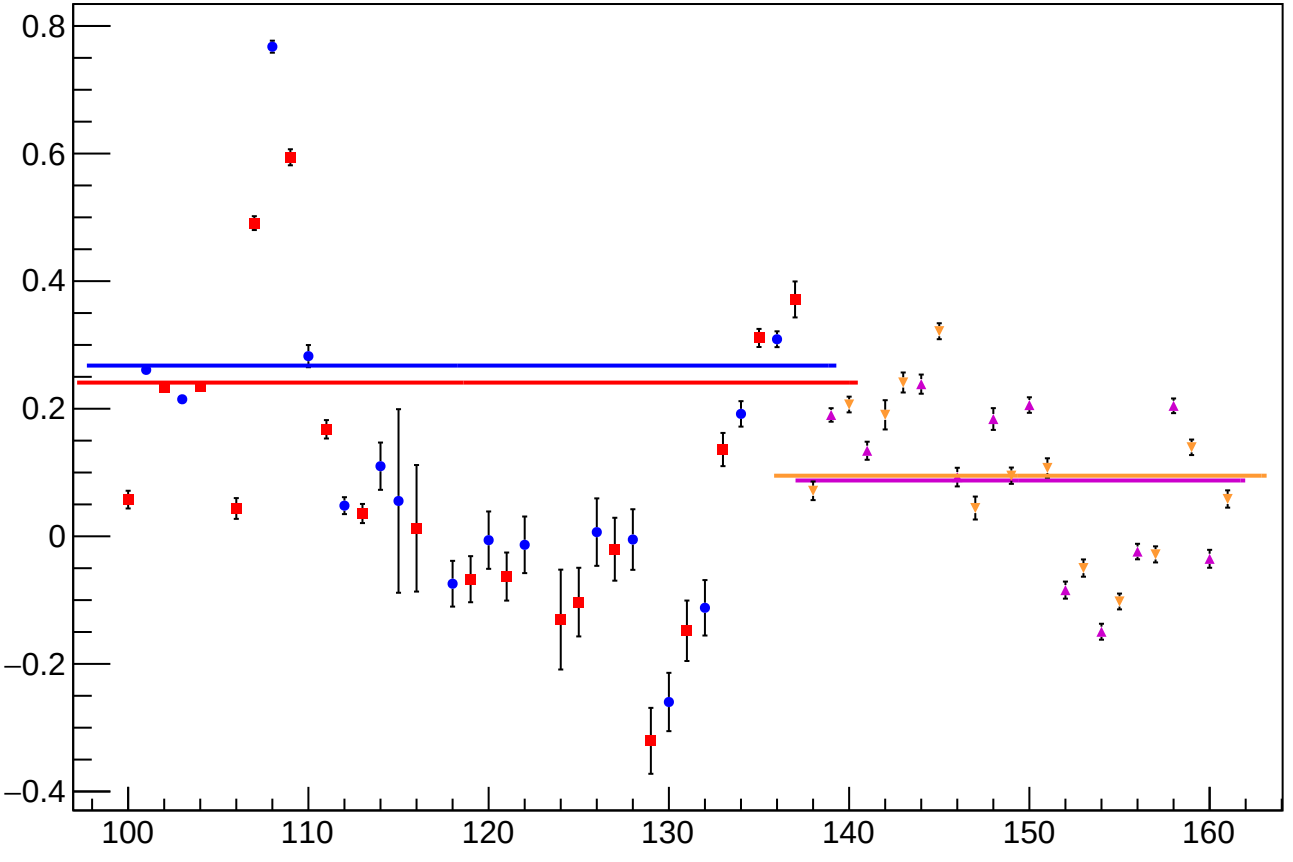
Left In: 51.222+/-0.089 χ^2/NDF:1012.9/10

\+ sign 28.163+/-0.053 χ^2/NDF: 234015.0/28

All: 27.228+/-0.038 χ^2/NDF: 477360.9/58

\- sign 26.255+/-0.054 χ^2/NDF: 242709.0/29

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.095+/-0.004 χ^2/NDF:1008.5/12

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

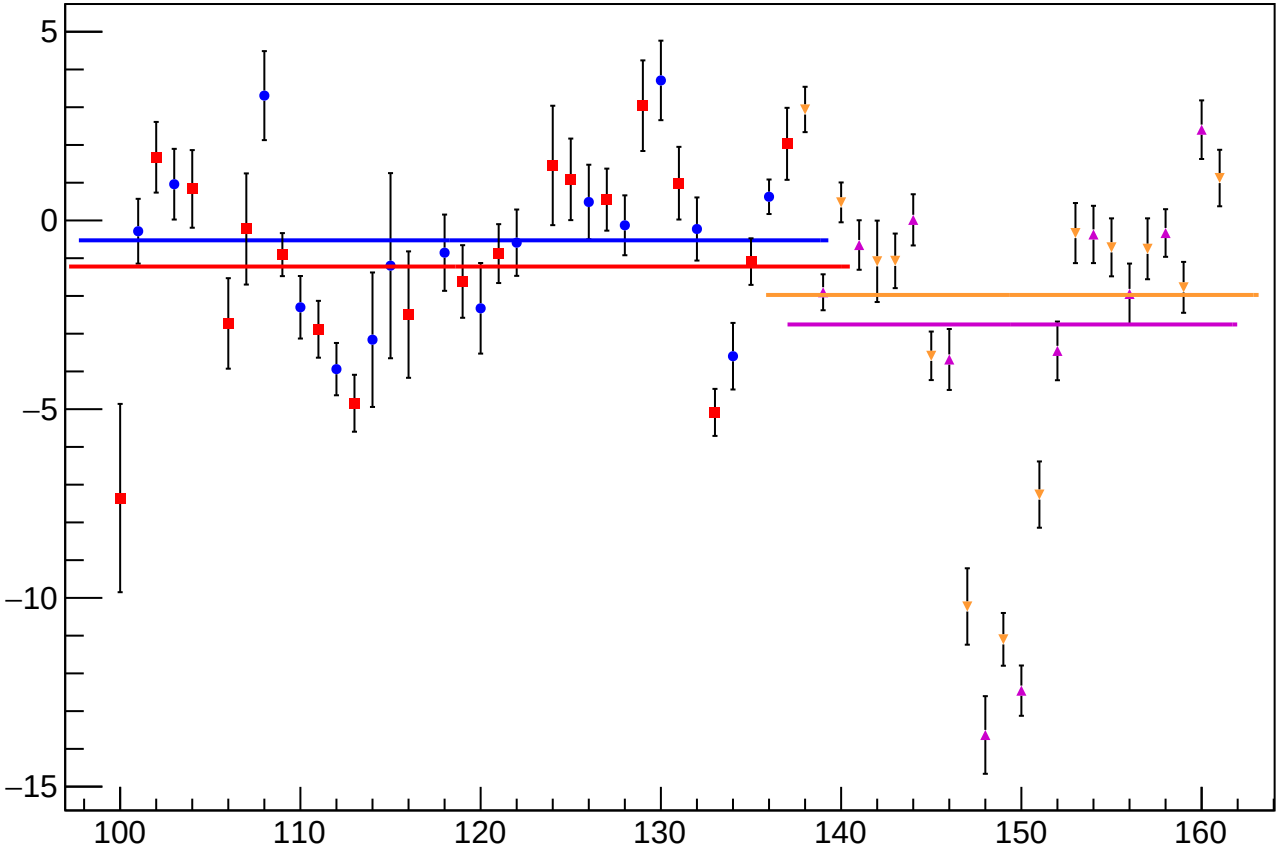
Left In: 0.088+/-0.004 χ^2/NDF:1121.1/10

+ sign 0.208+/-0.002 χ^2/NDF: 6048.0/28

All: 0.199+/-0.002 χ^2/NDF: 10560.2/58

- sign 0.191+/-0.002 χ^2/NDF: 4482.8/29

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.974+/-0.201 χ^2/NDF:396.7/12

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

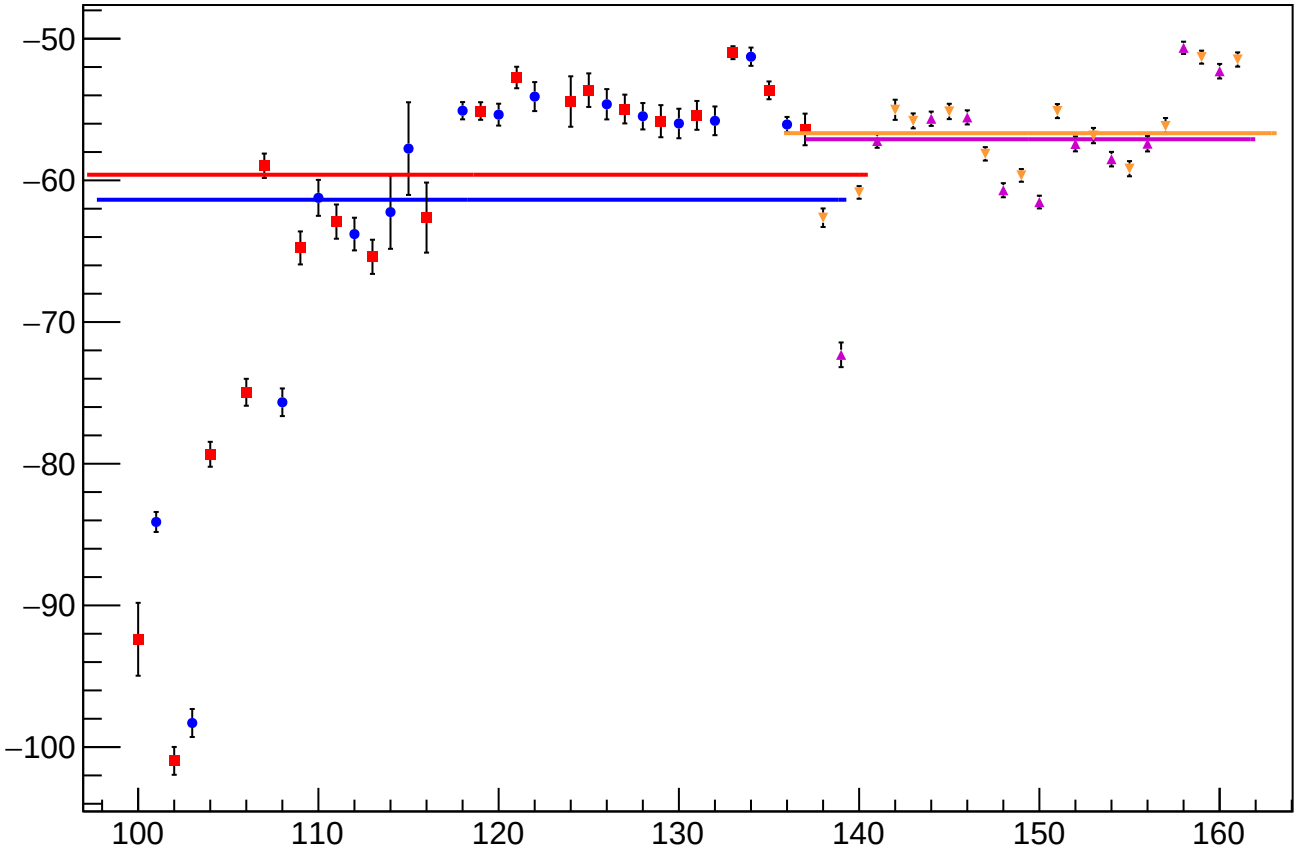
Left In: -2.756+/-0.210 χ^2/NDF:425.9/10

+ sign -1.304+/-0.148 χ^2/NDF: 503.3/28

All: -1.640+/-0.104 χ^2/NDF: 1097.9/58

- sign -1.969+/-0.146 χ^2/NDF: 584.3/29

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.669+/-0.144 χ^2/NDF:516.0/12

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

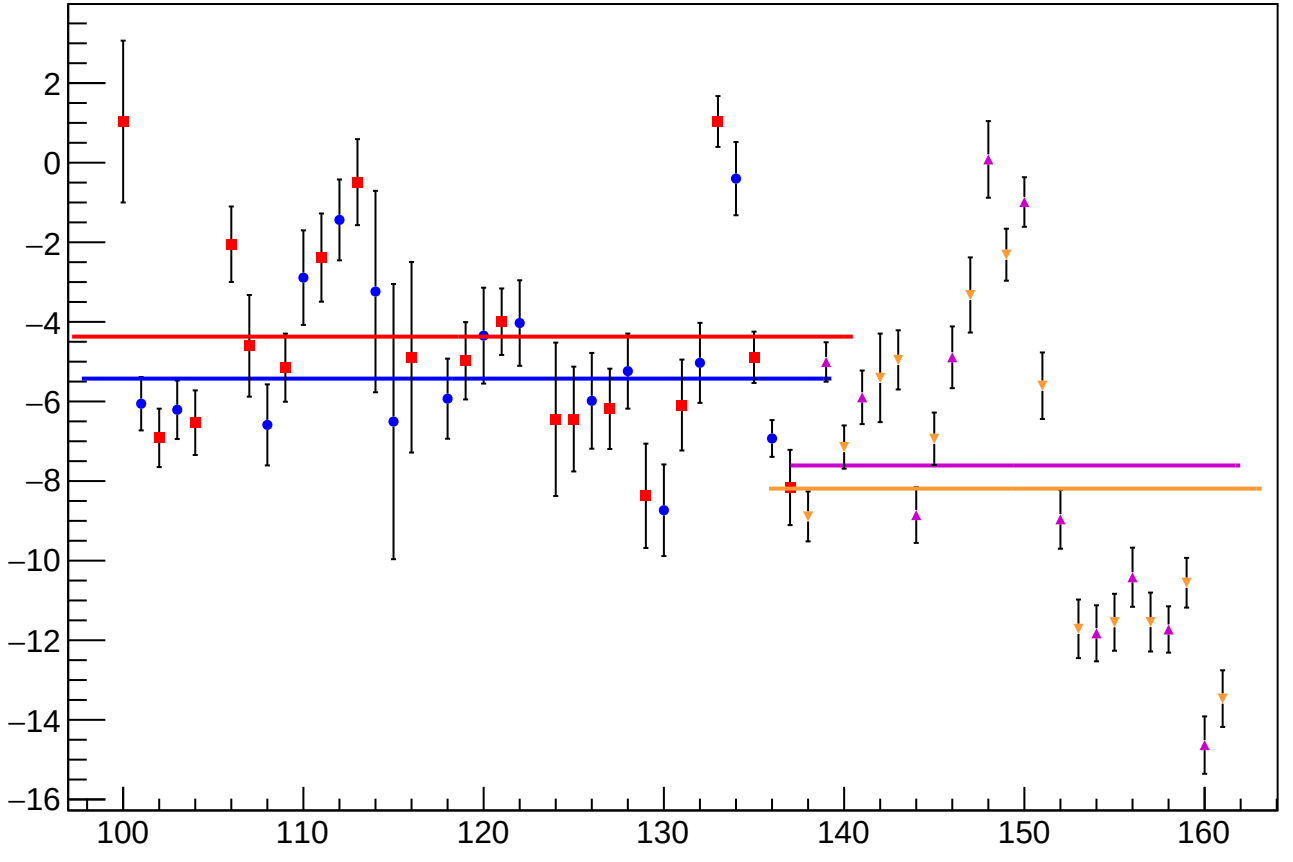
Left In: -57.097+/-0.154 χ^2/NDF:789.2/10

+ sign -58.082+/-0.120 χ^2/NDF: 4188.9/28

All: -58.037+/-0.086 χ^2/NDF: 8494.2/58

- sign -57.989+/-0.123 χ^2/NDF: 4305.0/29

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.189+/-0.196 χ^2/NDF:285.6/12

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

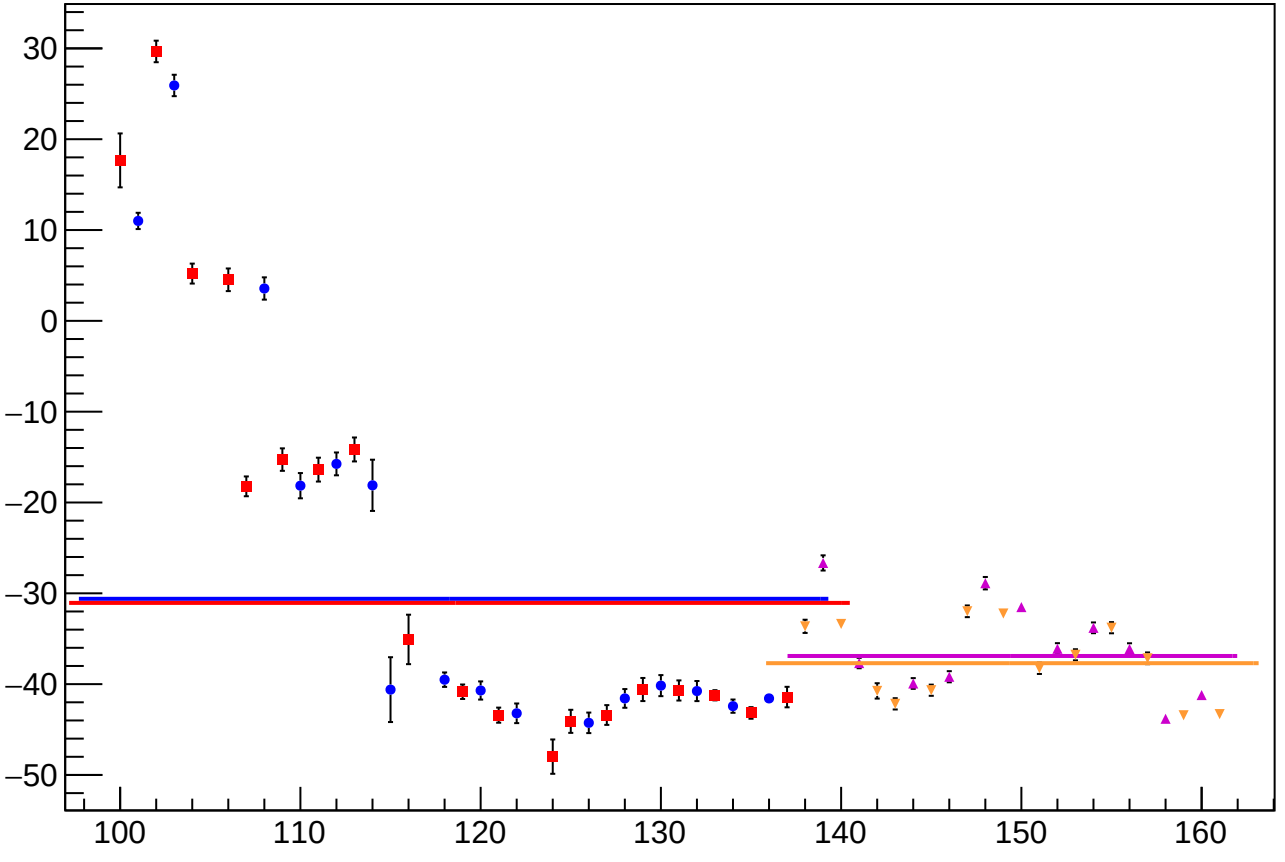
Left In: -7.609+/-0.203 χ^2/NDF:424.8/10

+ sign -7.023+/-0.149 χ^2/NDF: 445.1/28

All: -6.581+/-0.106 χ^2/NDF: 1159.5/58

- sign -6.135+/-0.150 χ^2/NDF: 696.8/29

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -37.693+/-0.167 χ^2/NDF:662.3/12

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

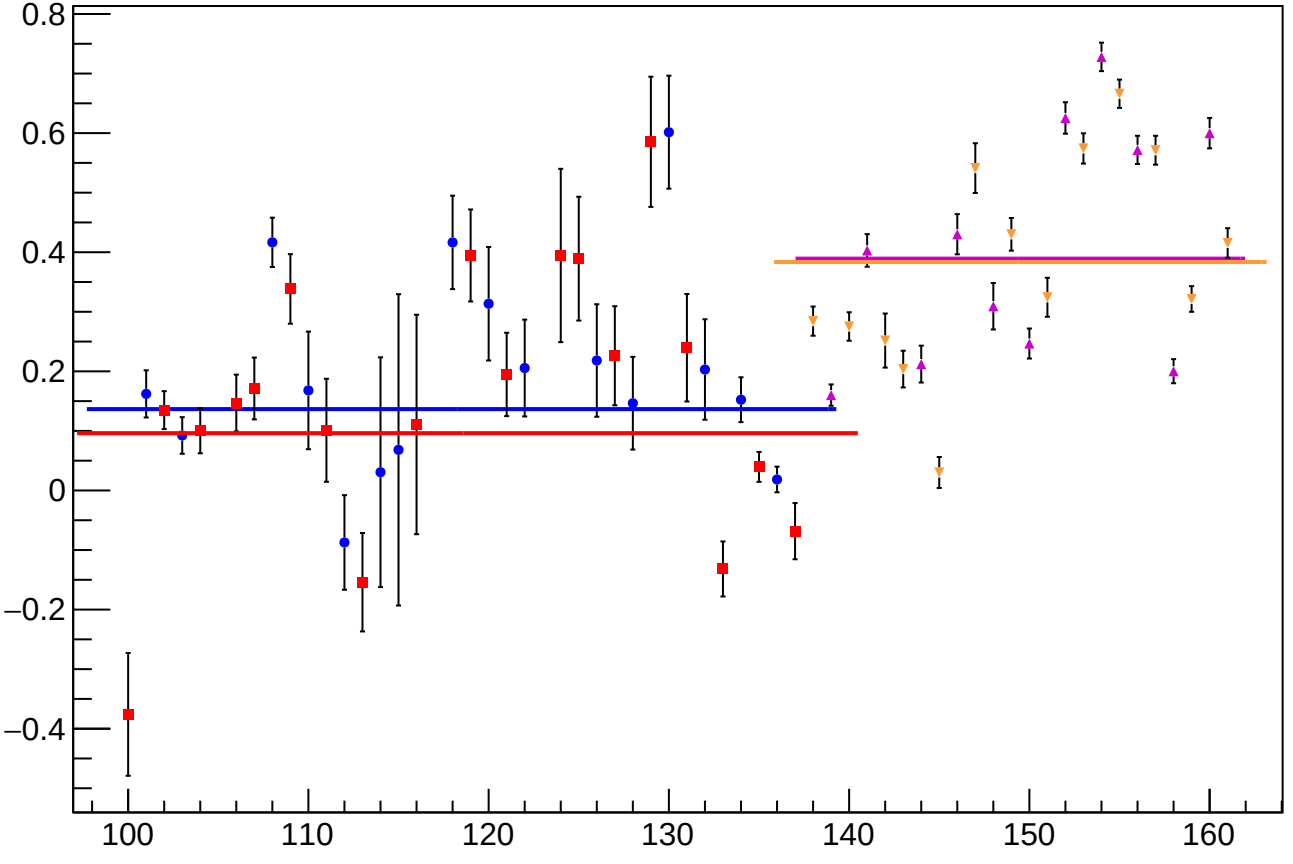
Left In: -36.900+/-0.177 χ^2/NDF:758.4/10

\+ sign -35.502+/-0.139 χ^2/NDF: 8158.4/28

All: -35.169+/-0.099 χ^2/NDF: 16294.2/58

\- sign -34.820+/-0.142 χ^2/NDF: 8123.9/29

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.384+/-0.007 χ^2/NDF:551.7/12

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

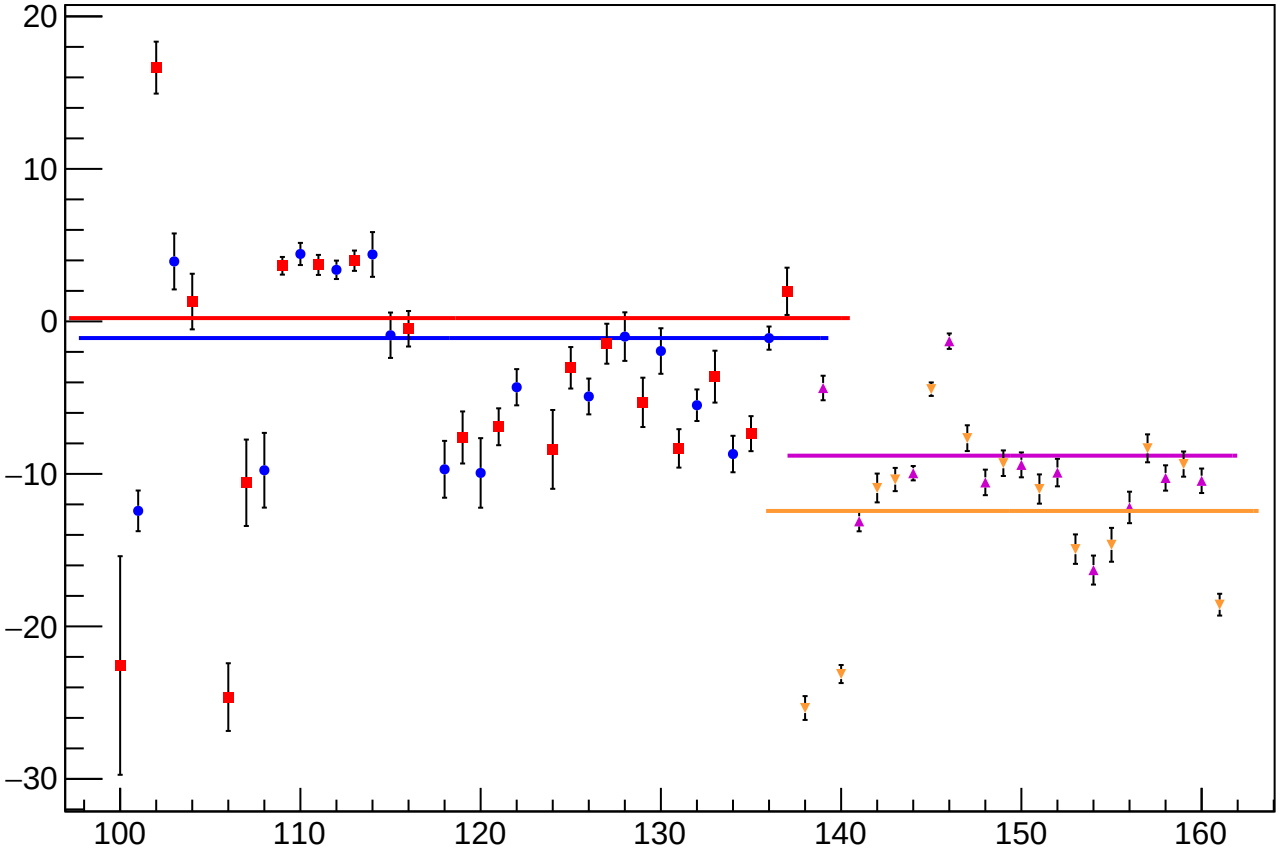
Left In: 0.389+/-0.008 χ^2/NDF:730.2/10

\+ sign 0.319+/-0.006 χ^2/NDF: 969.0/28

All: 0.314+/-0.005 χ^2/NDF: 2258.2/58

\- sign 0.310+/-0.006 χ^2/NDF: 1288.1/29

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.429+/-0.209 χ^2/NDF:1103.0/12

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

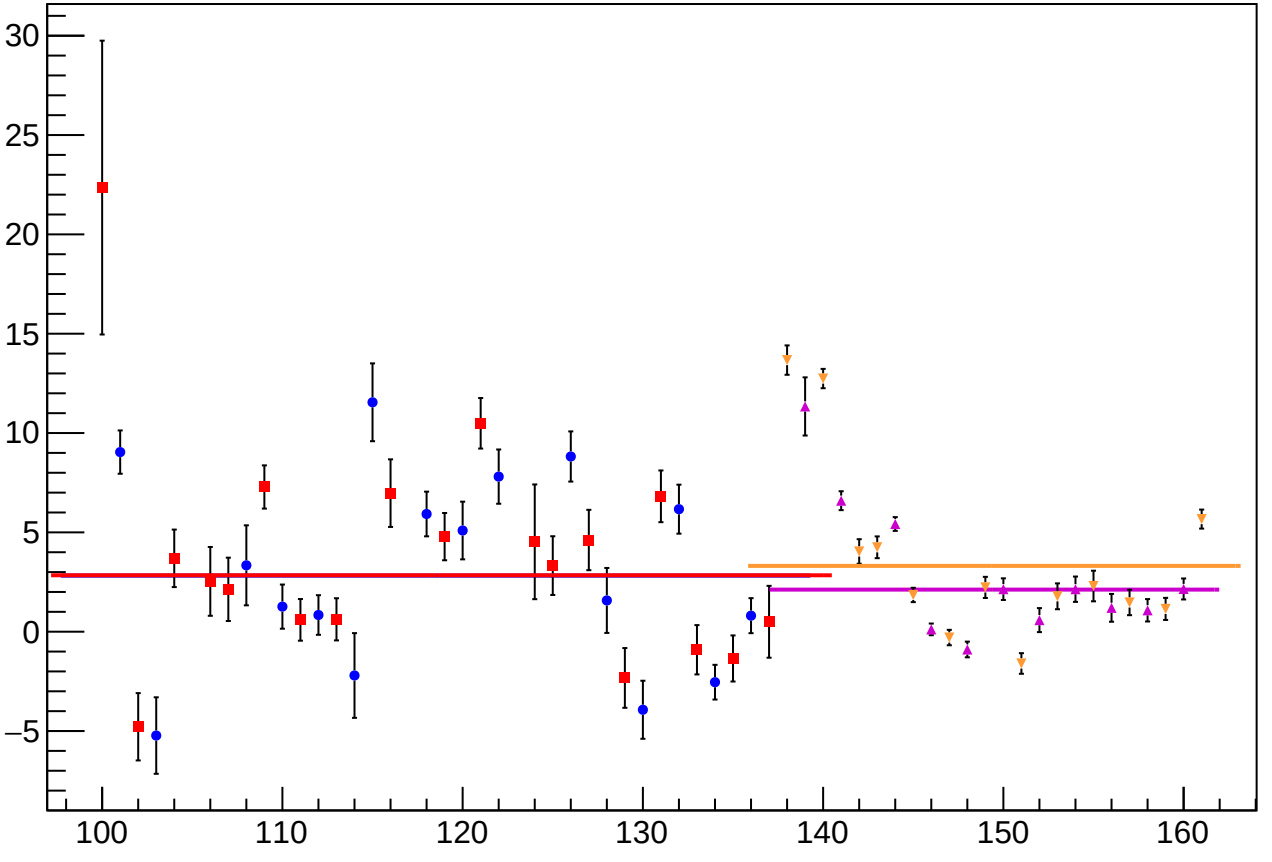
Left In: -8.805+/-0.216 χ^2/NDF:385.8/10

+ sign -8.380+/-0.168 χ^2/NDF: 2484.6/28

All: -6.803+/-0.119 χ^2/NDF: 4261.1/58

- sign -5.227+/-0.168 χ^2/NDF: 1599.6/29

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.312+/-0.145 χ^2/NDF:827.9/12

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

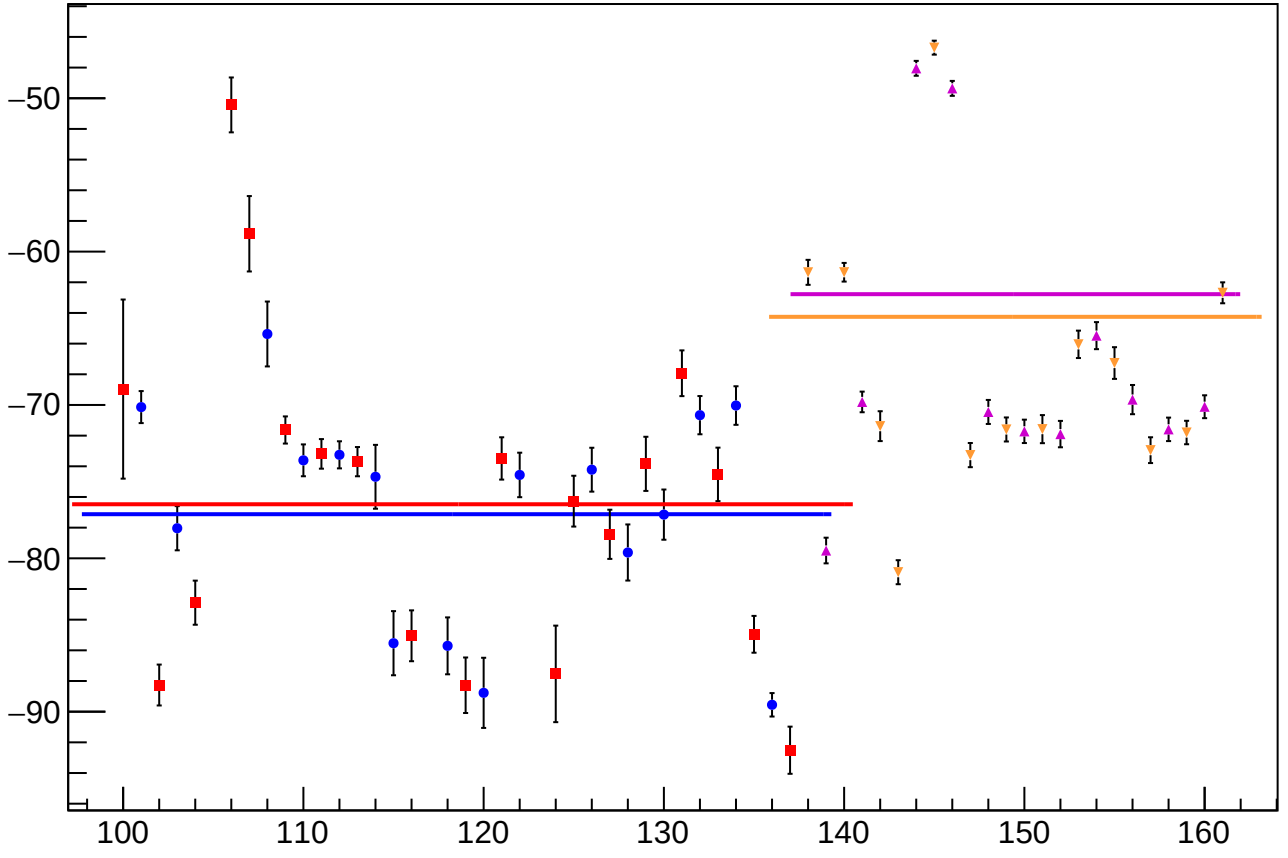
Left In: 2.119+/-0.144 χ^2/NDF:334.8/10

+ sign 3.226+/-0.131 χ^2/NDF: 1029.4/28

All: 2.731+/-0.093 χ^2/NDF: 1541.7/58

- sign 2.238+/-0.131 χ^2/NDF: 483.9/29

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -64.252+/-0.206 χ^2/NDF:2530.0/12

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

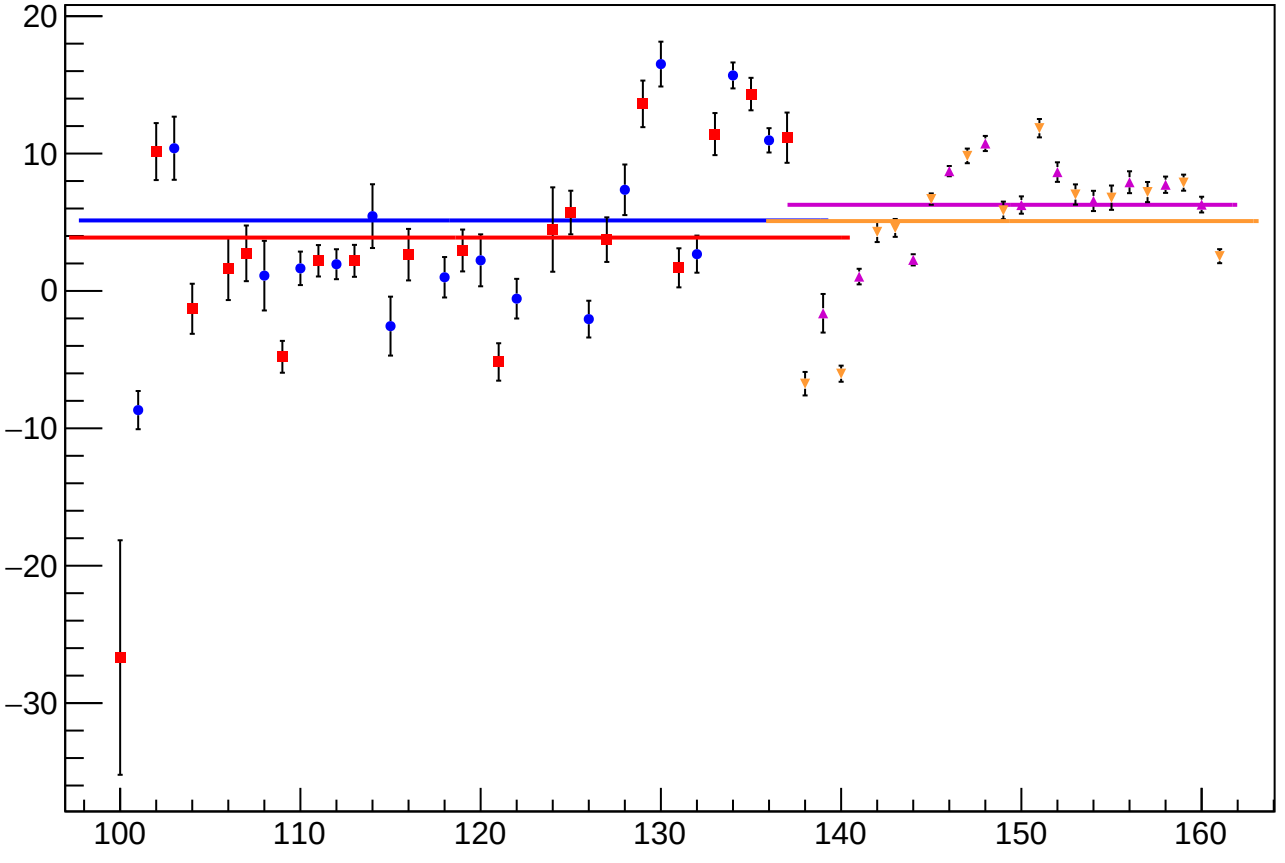
Left In: -62.776+/-0.210 χ^2/NDF:2822.3/10

+ sign -67.917+/-0.174 χ^2/NDF: 4146.3/28

All: -67.343+/-0.124 χ^2/NDF: 8921.1/58

- sign -66.750+/-0.177 χ^2/NDF: 4752.7/29

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 5.085+/-0.171 χ^2/NDF:816.7/12

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

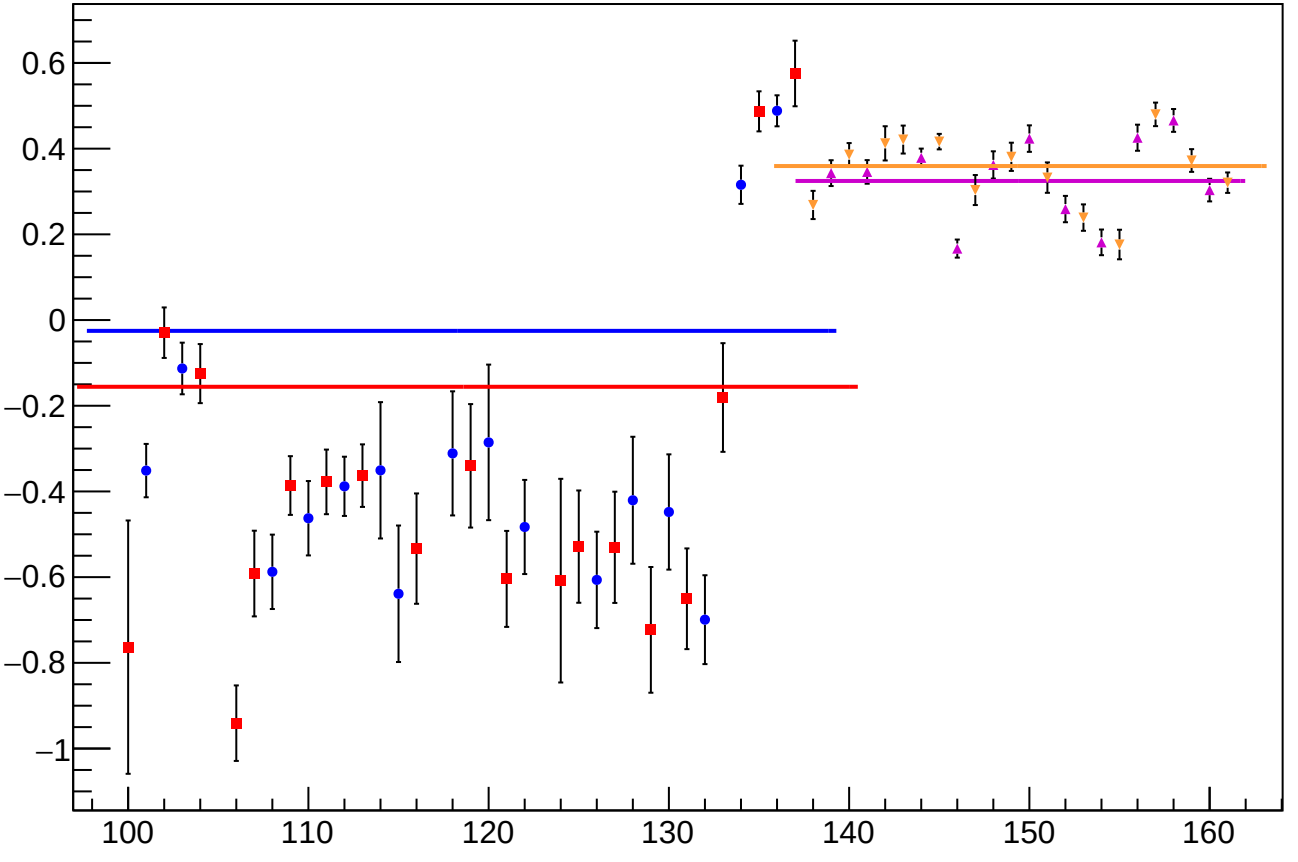
Left In: 6.270+/-0.172 χ^2/NDF:343.8/10

+ sign 5.094+/-0.154 χ^2/NDF: 1229.0/28

All: 5.459+/-0.109 χ^2/NDF: 1911.2/58

- sign 5.831+/-0.155 χ^2/NDF: 670.8/29

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.359+/-0.008 χ^2/NDF:93.0/12

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

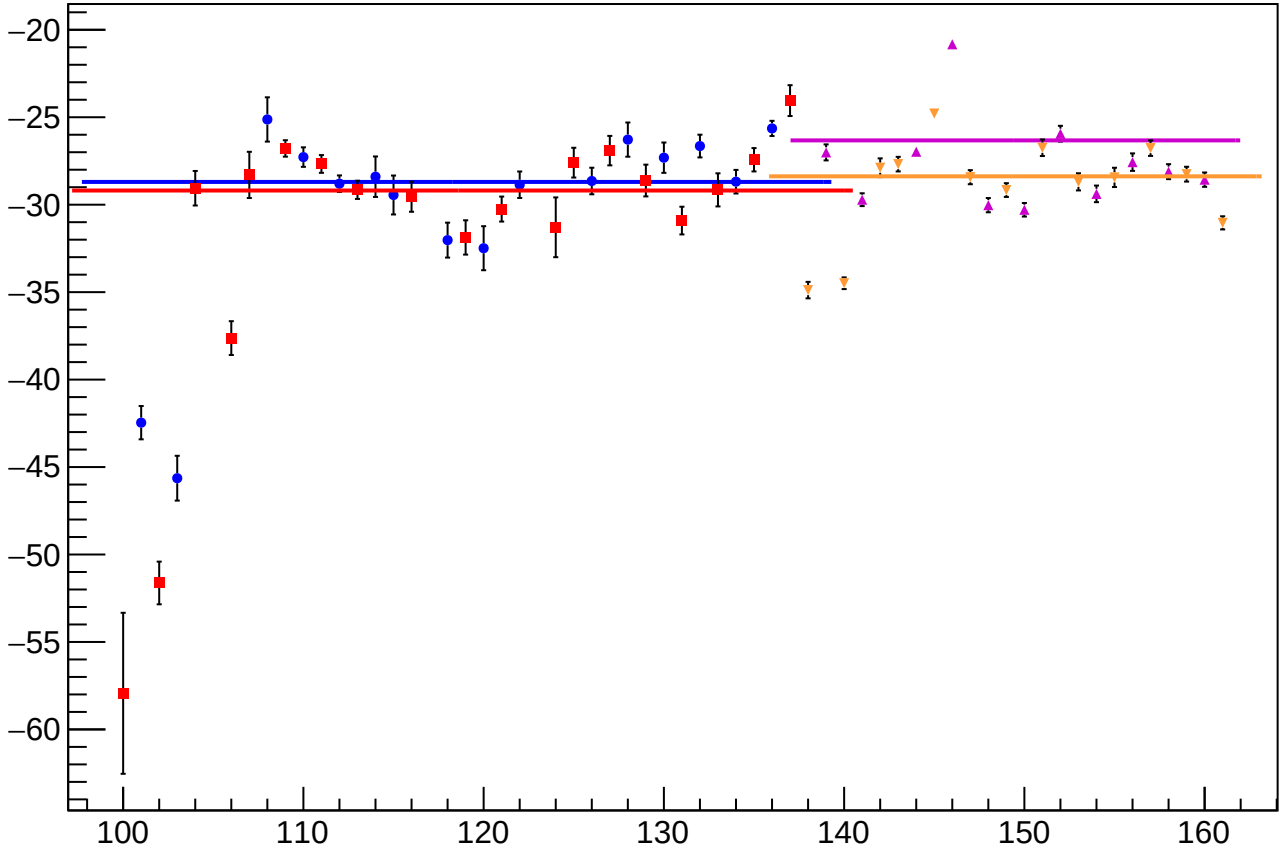
Left In: 0.325+/-0.008 χ^2/NDF:142.0/10

+ sign 0.302+/-0.007 χ^2/NDF: 956.1/28

All: 0.280+/-0.005 χ^2/NDF: 2096.4/58

- sign 0.257+/-0.008 χ^2/NDF: 1122.3/29

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.378+/-0.106 χ^2/NDF:921.3/12

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

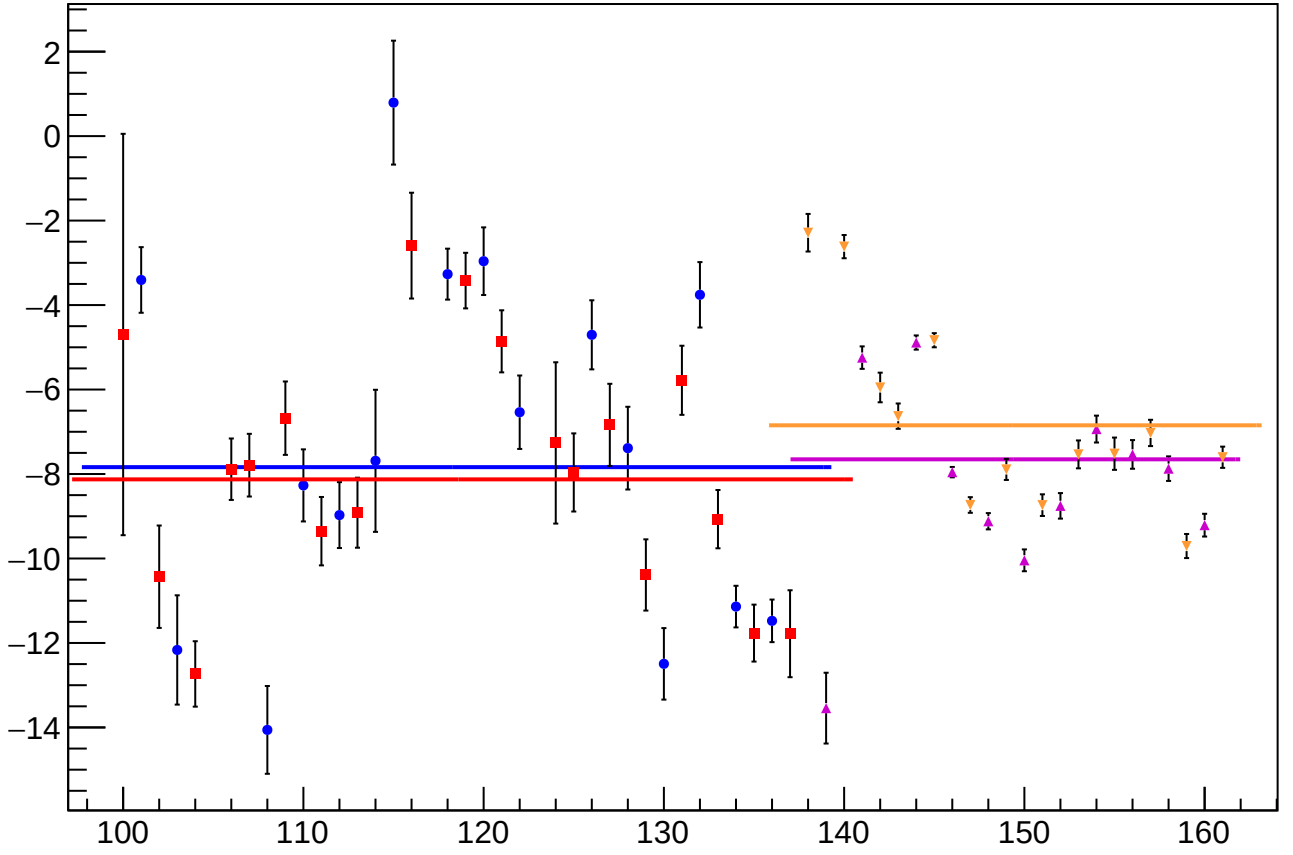
Left In: -26.323+/-0.104 χ^2/NDF:1089.4/10

+ sign -28.457+/-0.092 χ^2/NDF: 1410.8/28

All: -27.732+/-0.064 χ^2/NDF: 3367.5/58

- sign -27.034+/-0.090 χ^2/NDF: 1834.8/29

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.847+/-0.073 χ^2/NDF:786.0/12

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

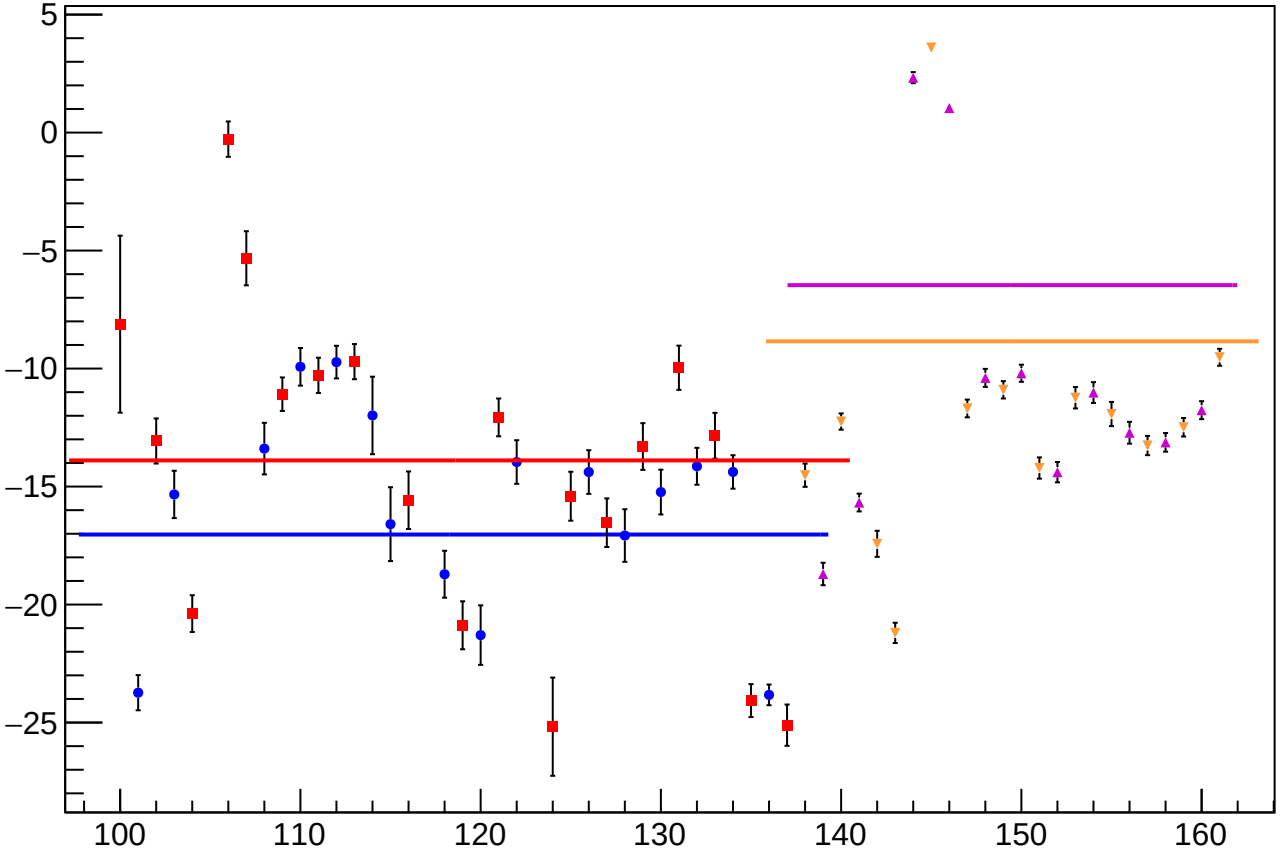
Left In: -7.652+/-0.068 χ^2/NDF:603.5/10

+ sign -6.968+/-0.068 χ^2/NDF: 1191.9/28

All: -7.357+/-0.047 χ^2/NDF: 2059.1/58

- sign -7.704+/-0.065 χ^2/NDF: 806.0/29

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -8.846+/-0.104 χ^2/NDF:5382.3/12

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

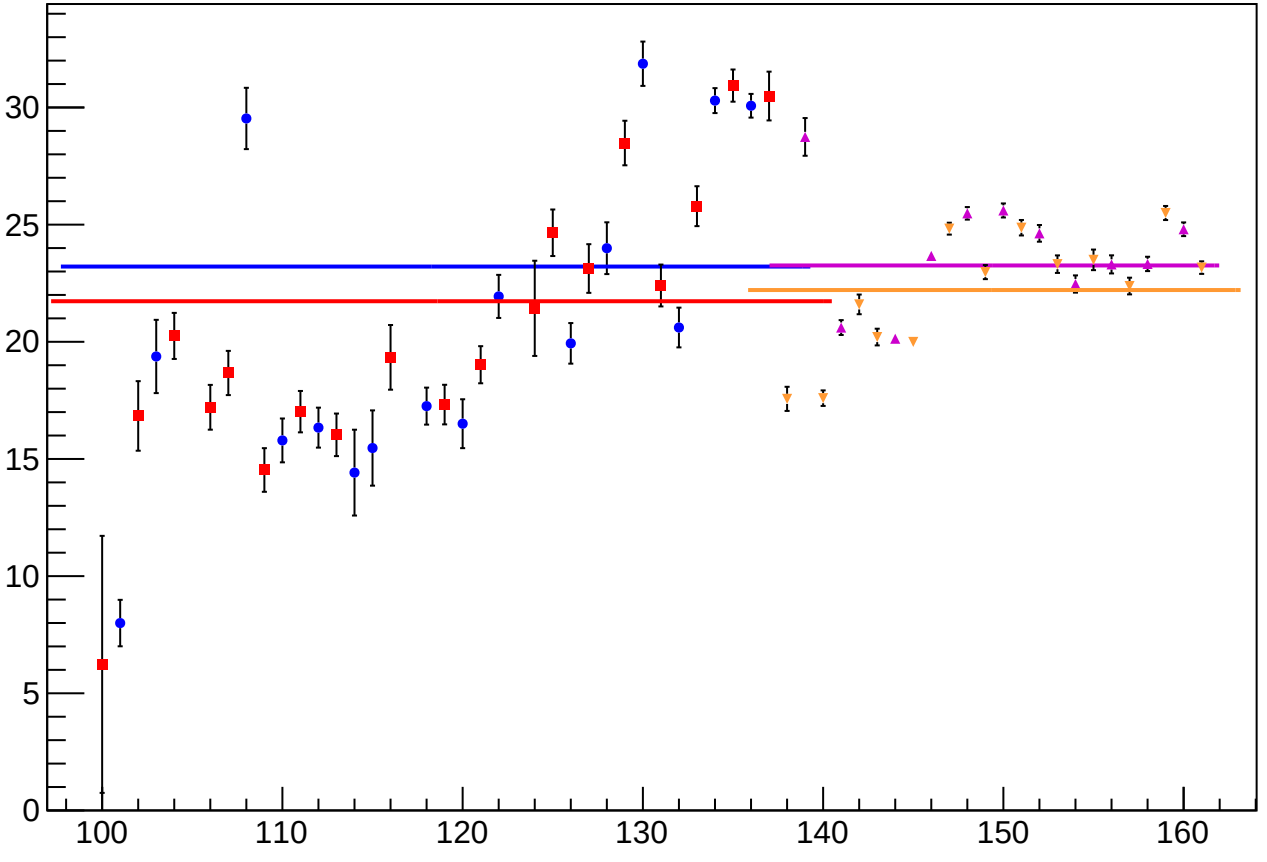
Left In: -6.465+/-0.101 χ^2/NDF:5407.0/10

+ sign -10.463+/-0.093 χ^2/NDF: 7210.4/28

All: -9.137+/-0.065 χ^2/NDF: 15053.2/58

- sign -7.868+/-0.091 χ^2/NDF: 7445.4/29

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.209+/-0.086 χ^2/NDF:770.2/12

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

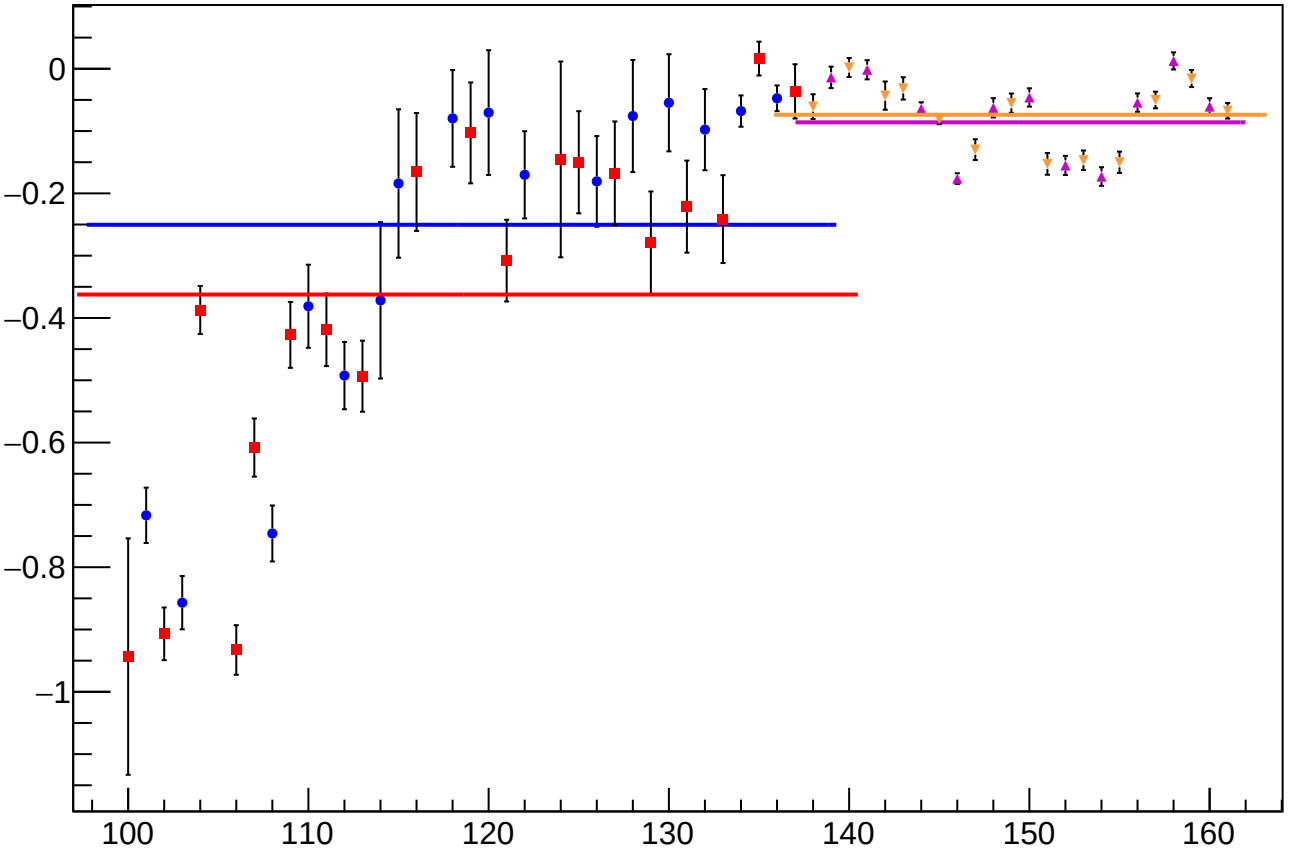
Left In: 23.258+/-0.082 χ^2/NDF:552.1/10

+ sign 22.344+/-0.080 χ^2/NDF: 1796.6/28

All: 22.726+/-0.056 χ^2/NDF: 2991.4/58

- sign 23.078+/-0.077 χ^2/NDF: 1151.2/29

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.074+/-0.004 χ^2/NDF:129.4/12

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

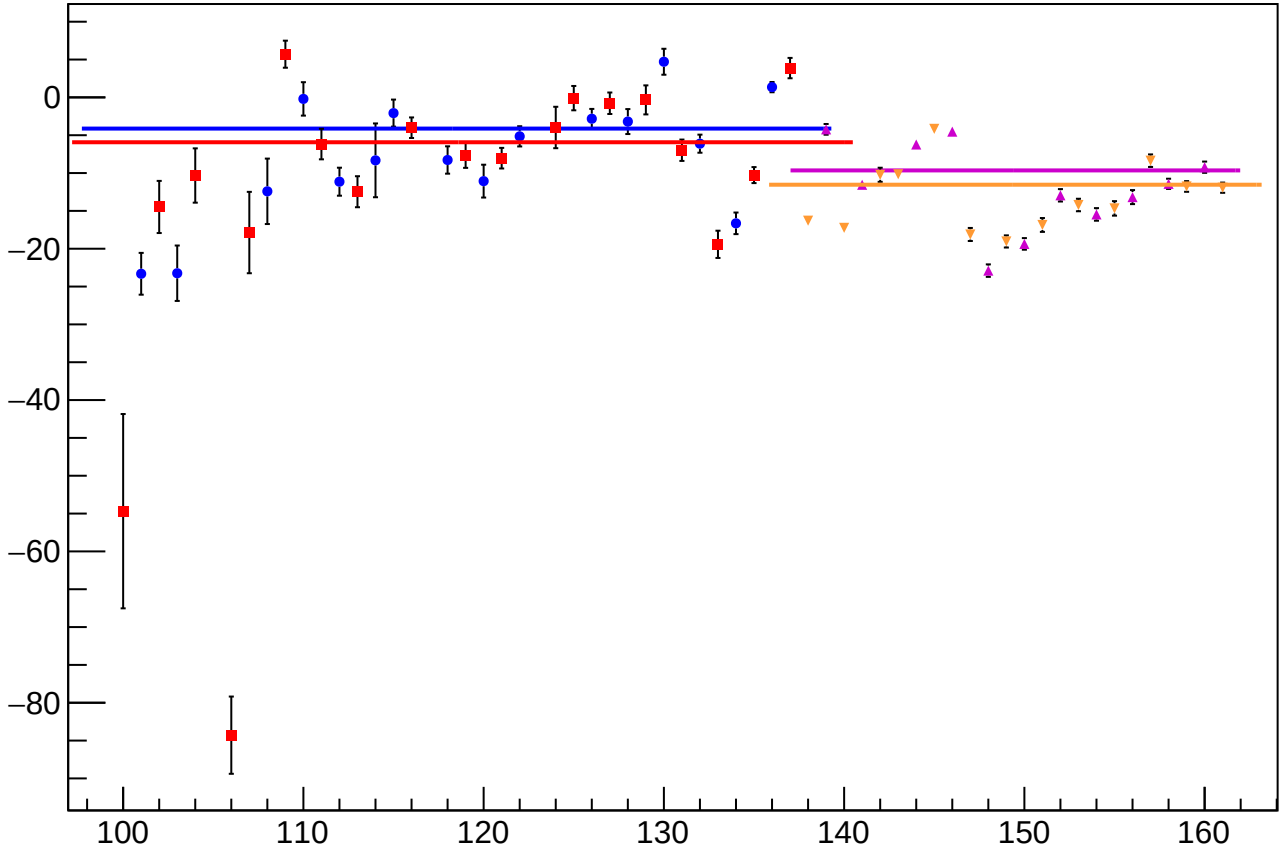
Left In: -0.086+/-0.004 χ^2/NDF:284.6/10

+ sign -0.093+/-0.004 χ^2/NDF: 968.0/28

All: -0.102+/-0.003 χ^2/NDF: 2424.0/58

- sign -0.112+/-0.004 χ^2/NDF: 1442.8/29

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.542+/-0.187 χ^2/NDF:784.9/12

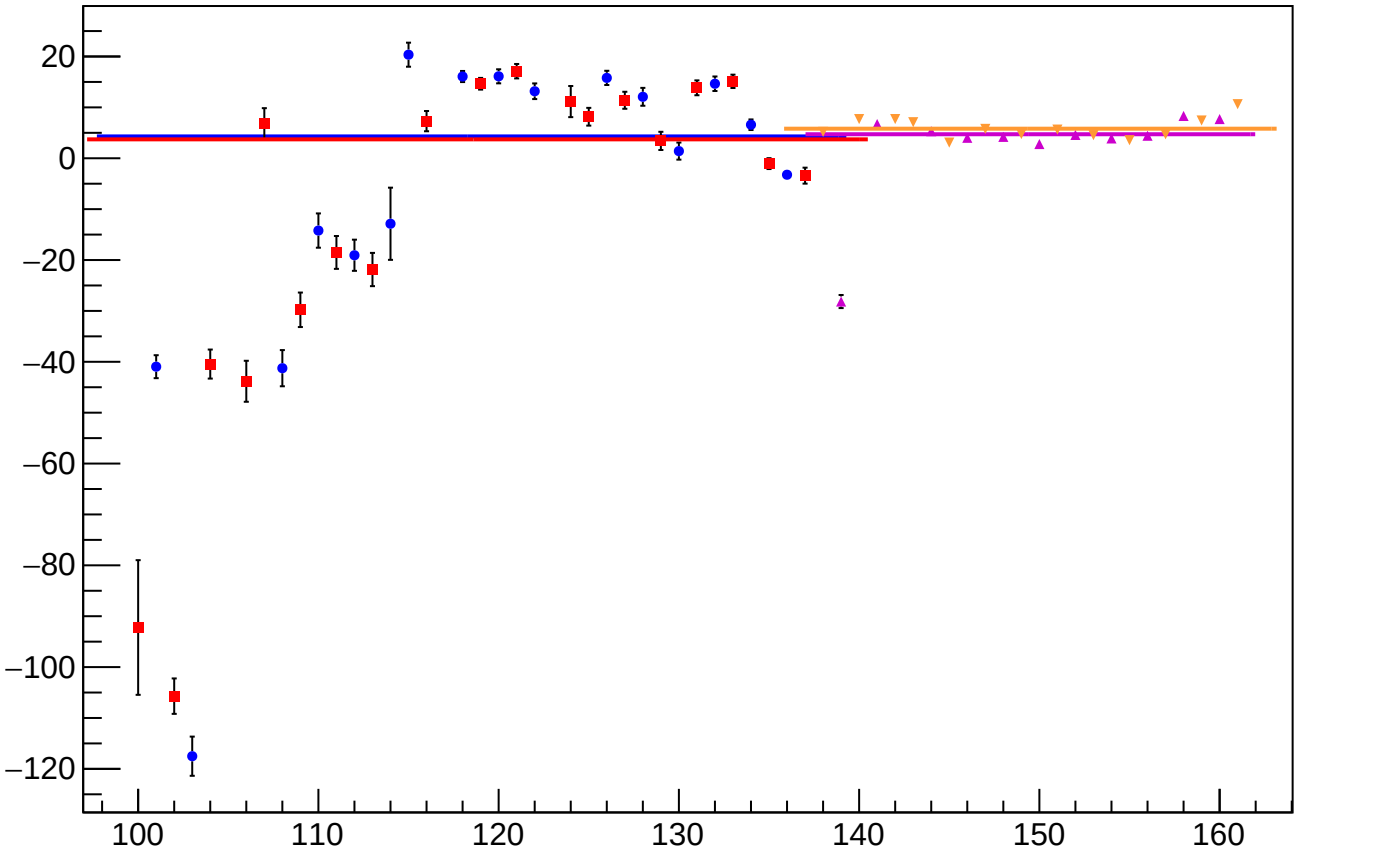
Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -9.651+/-0.190 χ^2/NDF:797.6/10

+ sign -10.108+/-0.168 χ^2/NDF: 1377.4/28

All: -9.562+/-0.120 χ^2/NDF: 2747.8/58

- sign -8.985+/-0.173 χ^2/NDF: 1348.6/29



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.813+/-0.132 χ^2/NDF:269.4/12

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

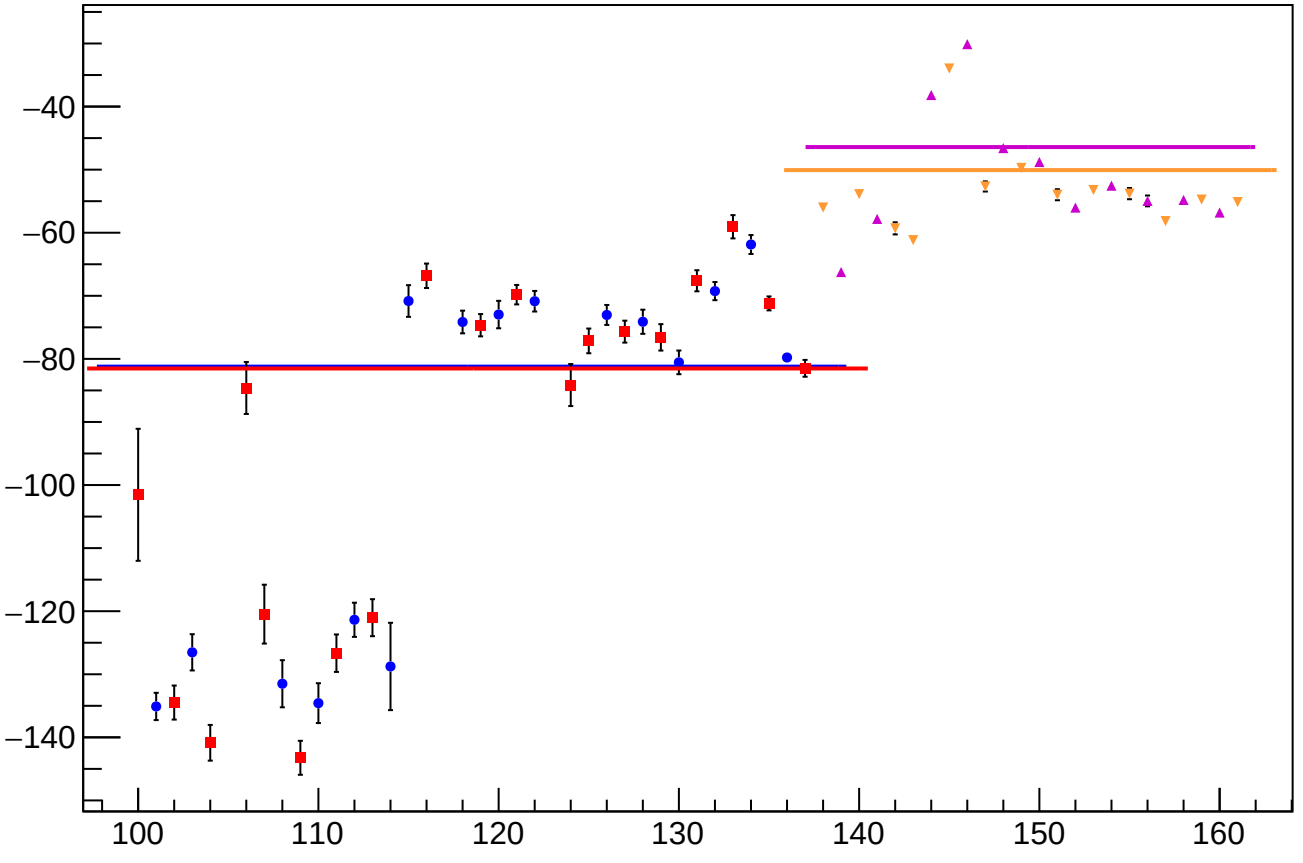
Left In: 4.721+/-0.128 χ^2/NDF:802.3/10

+ sign 5.654+/-0.125 χ^2/NDF: 2452.5/28

All: 5.138+/-0.087 χ^2/NDF: 5301.0/58

- sign 4.636+/-0.123 χ^2/NDF: 2814.7/29

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -50.073+/-0.184 χ^2/NDF:2580.6/12

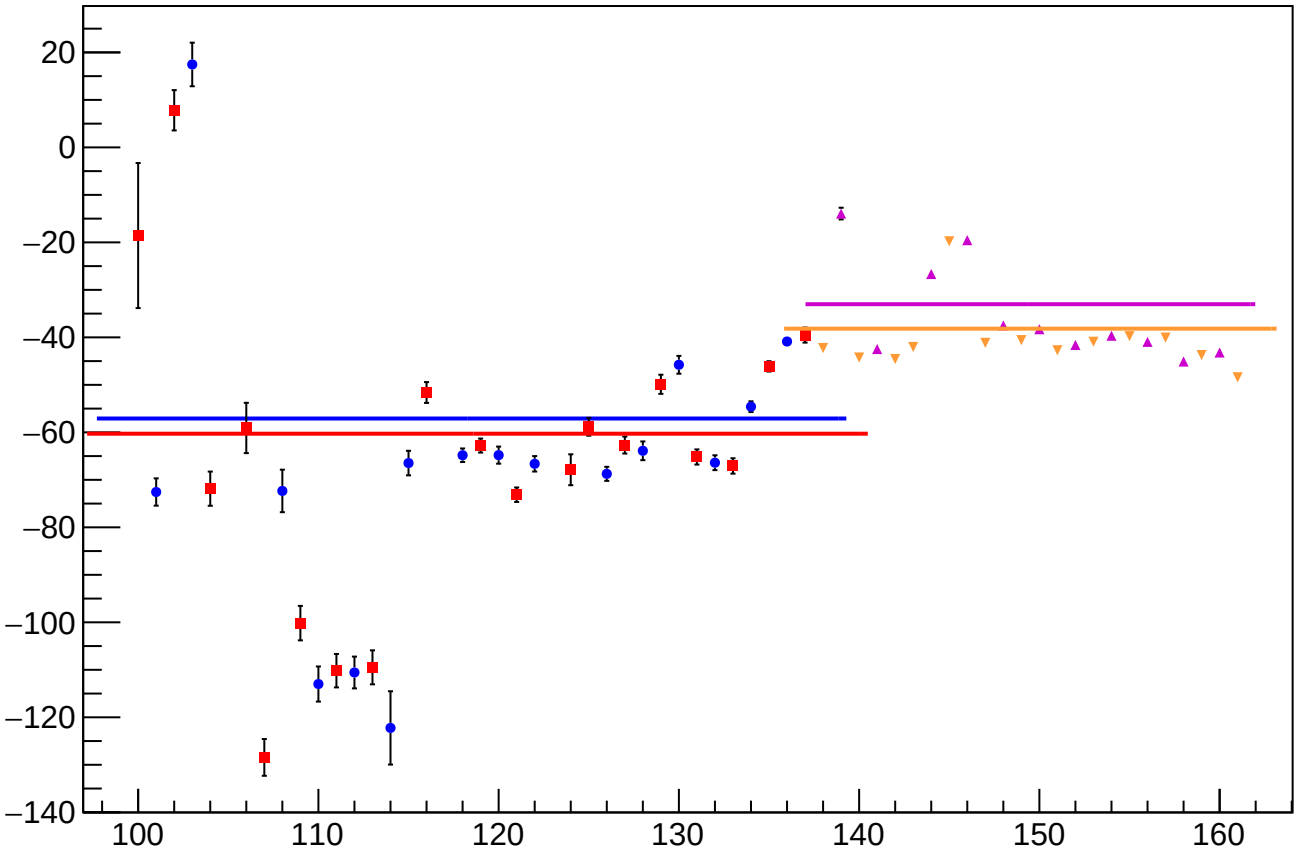
Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -46.420+/-0.185 χ^2/NDF:3851.2/10

+ sign -55.175+/-0.169 χ^2/NDF: 9224.2/28

All: -53.272+/-0.120 χ^2/NDF: 20608.6/58

- sign -51.293+/-0.172 χ^2/NDF: 11124.6/29



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -38.166+/-0.154 χ^2/NDF:3901.7/12

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

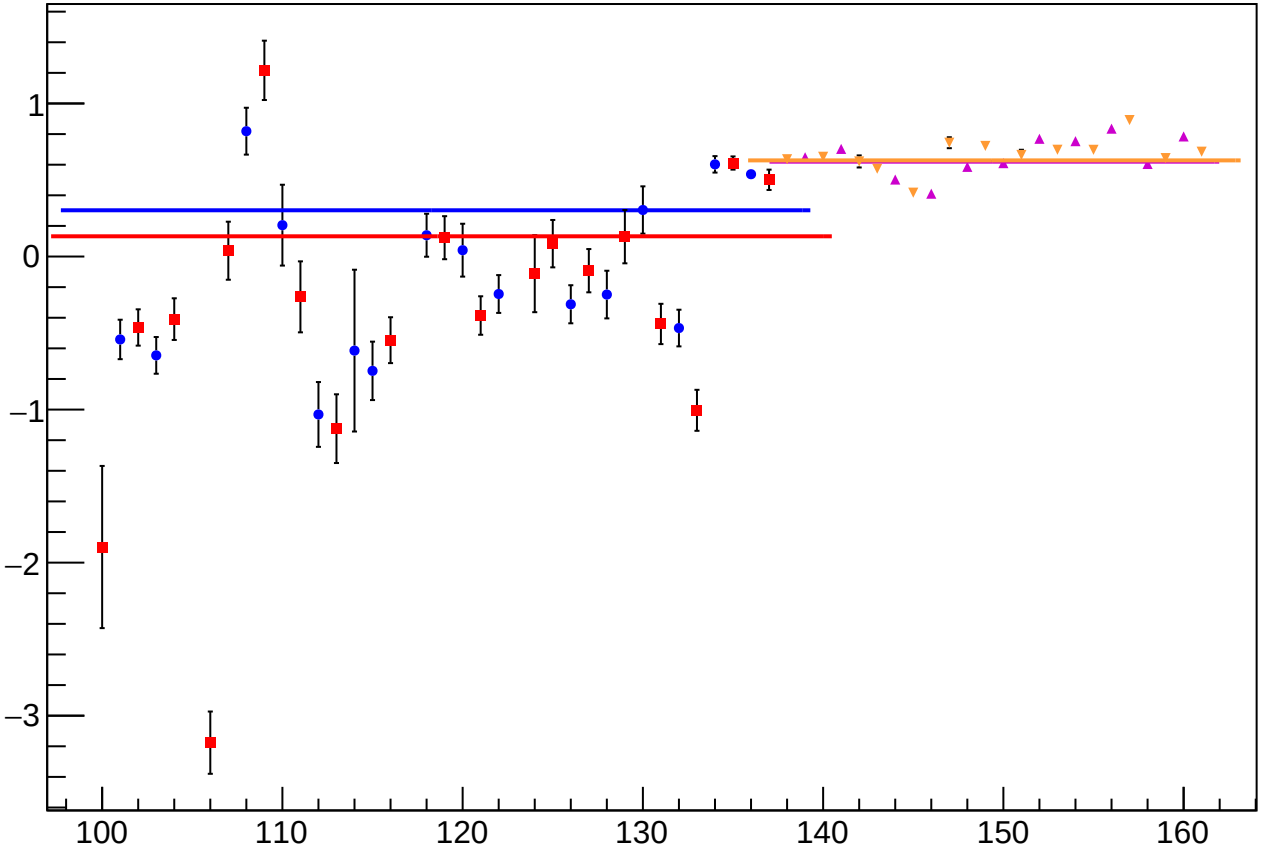
Left In: -33.018+/-0.152 χ^2/NDF:4301.2/10

+ sign -40.363+/-0.145 χ^2/NDF: 7174.7/28

All: -37.986+/-0.103 χ^2/NDF: 16646.3/58

- sign -35.612+/-0.145 χ^2/NDF: 8934.8/29

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.628+/-0.007 χ^2/NDF:354.1/12

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

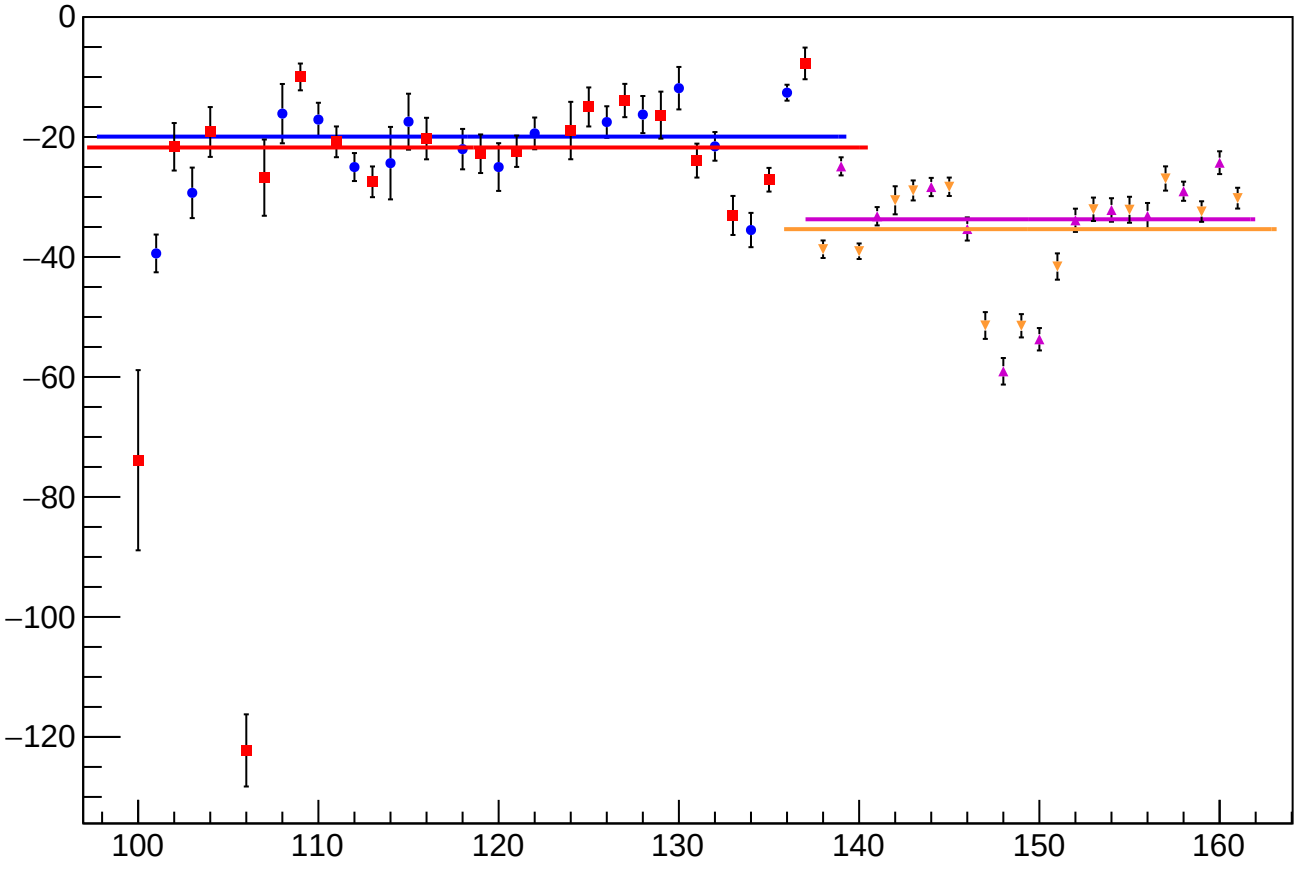
Left In: 0.620+/-0.007 χ^2/NDF:362.2/10

+ sign 0.600+/-0.007 χ^2/NDF: 913.1/28

All: 0.593+/-0.005 χ^2/NDF: 2264.8/58

- sign 0.586+/-0.007 χ^2/NDF: 1349.7/29

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -35.360+/-0.494 χ^2/NDF:216.7/12

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

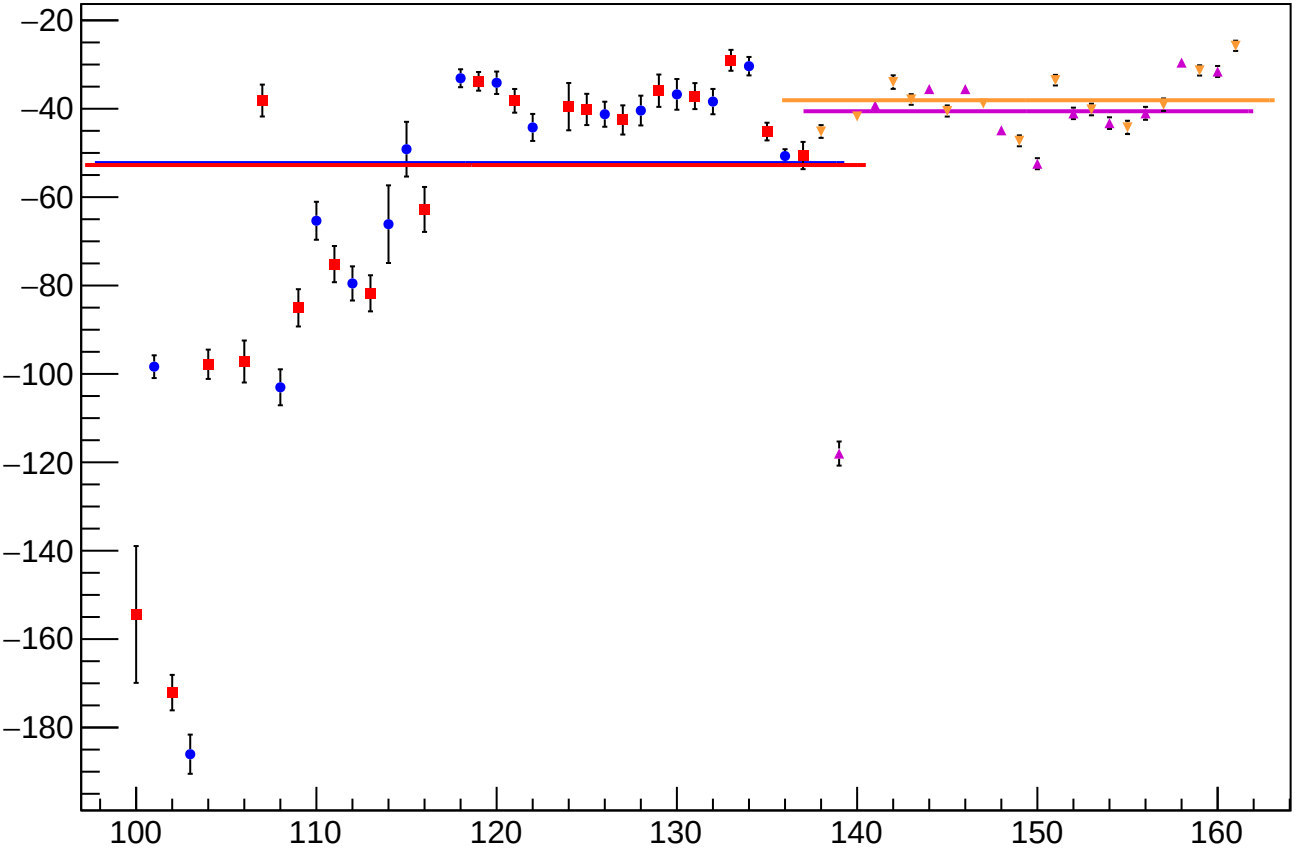
Left In: -33.715+/-0.537 χ^2/NDF:327.2/10

+ sign -30.183+/-0.403 χ^2/NDF: 664.7/28

All: -29.812+/-0.294 χ^2/NDF: 1561.7/58

- sign -29.391+/-0.429 χ^2/NDF: 895.2/29

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -38.080+/-0.345 χ^2/NDF:282.5/12

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

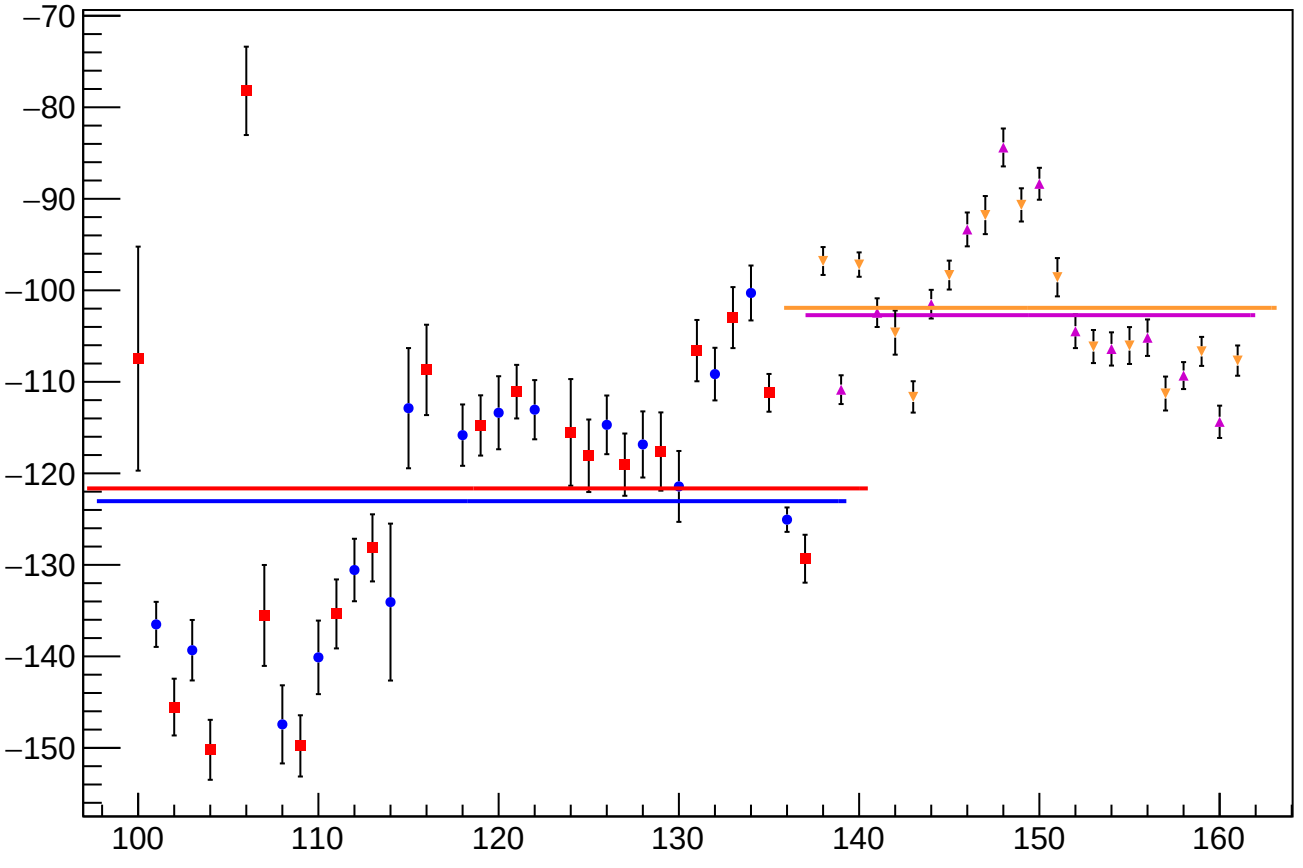
Left In: -40.568+/-0.374 χ^2/NDF:1112.7/10

+ sign -40.814+/-0.311 χ^2/NDF: 2386.2/28

All: -41.825+/-0.227 χ^2/NDF: 5396.0/58

- sign -42.997+/-0.334 χ^2/NDF: 2986.9/29

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -101.914+/-0.484 χ^2/NDF:183.5/12

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

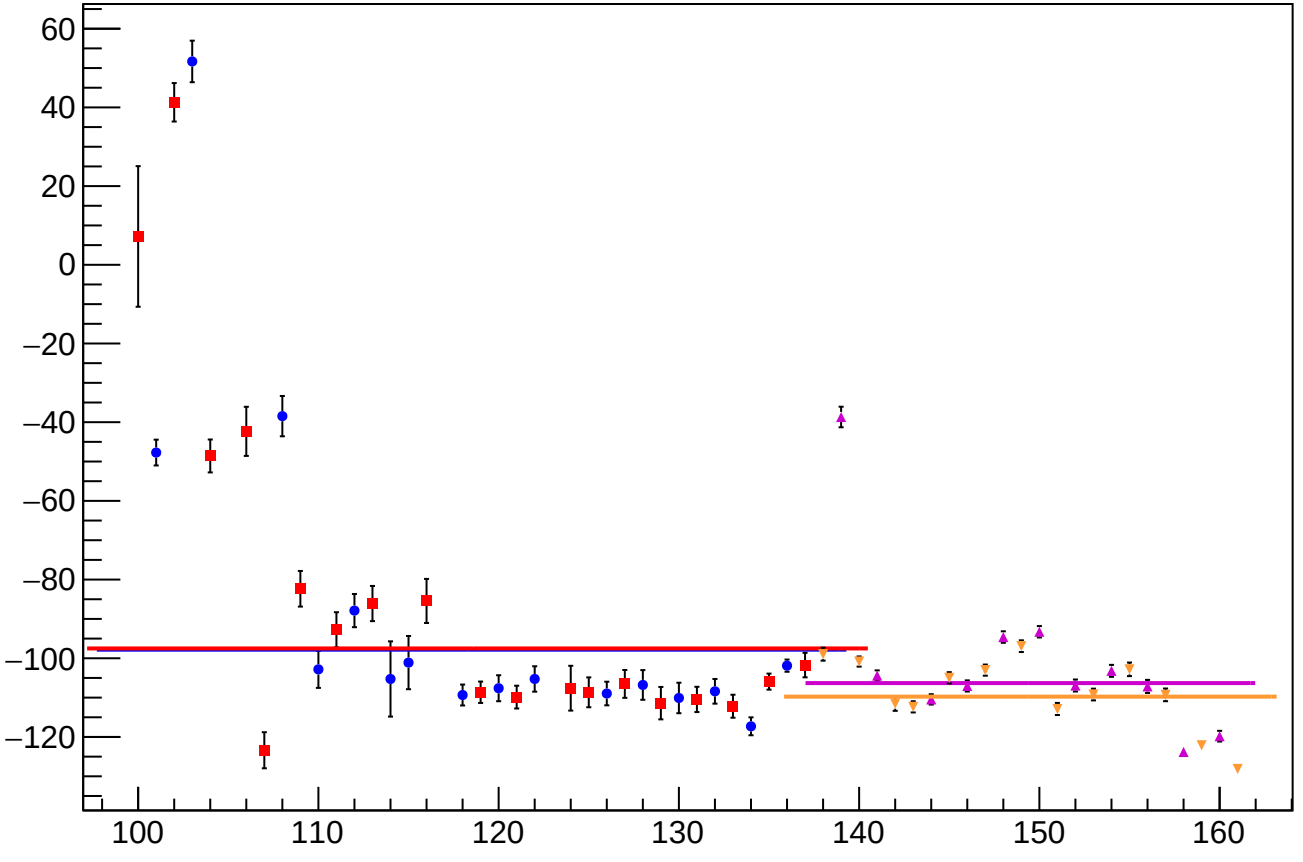
Left In: -102.715+/-0.520 χ^2/NDF:269.3/10

+ sign -108.117+/-0.406 χ^2/NDF: 970.7/28

All: -108.211+/-0.297 χ^2/NDF: 2057.6/58

- sign -108.320+/-0.436 χ^2/NDF: 1086.8/29

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -109.752+/-0.405 χ^2/NDF:546.8/12

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

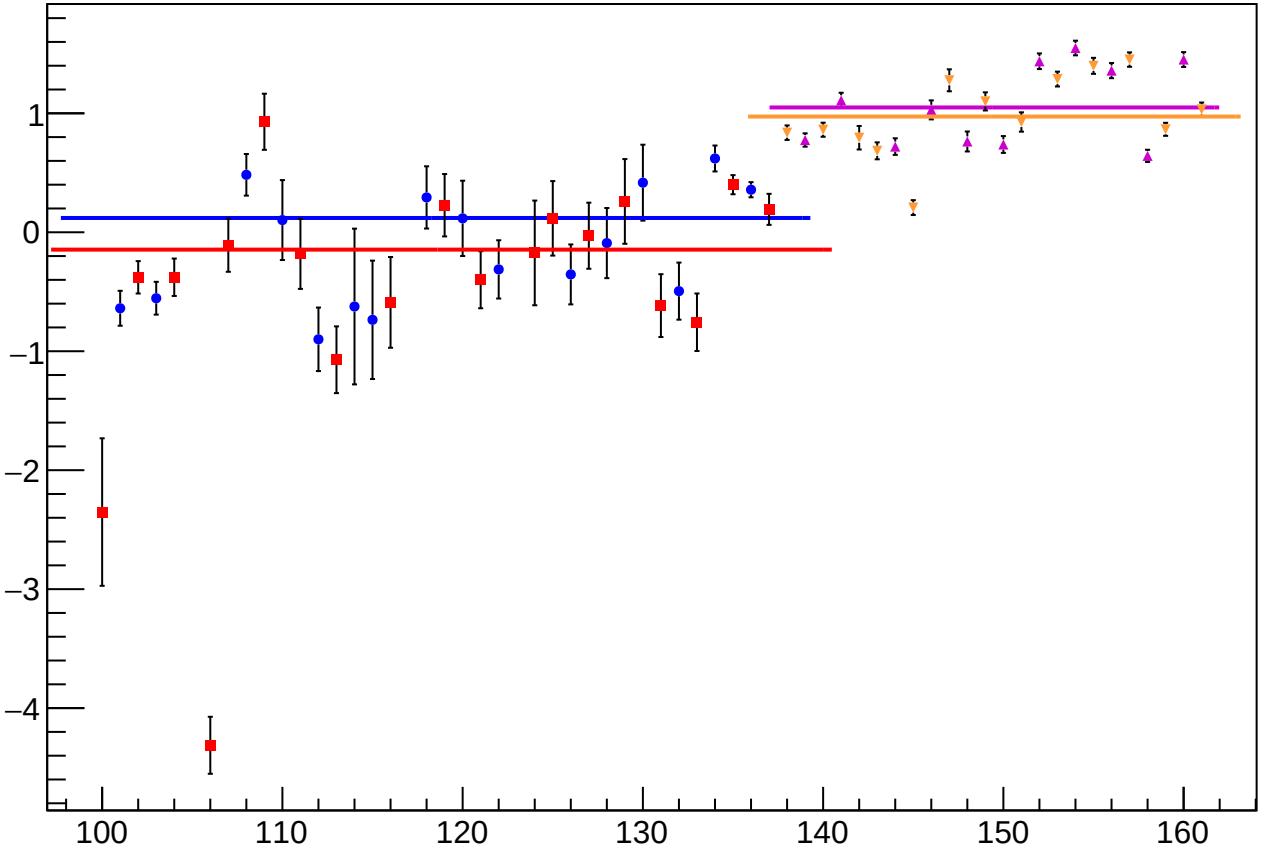
Left In: -106.308+/-0.436 χ^2/NDF:1163.7/10

+ sign -107.285+/-0.361 χ^2/NDF: 2057.4/28

All: -105.968+/-0.264 χ^2/NDF: 4572.4/58

- sign -104.449+/-0.387 χ^2/NDF: 2486.2/29

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.973+/-0.018 χ^2/NDF:324.5/12

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

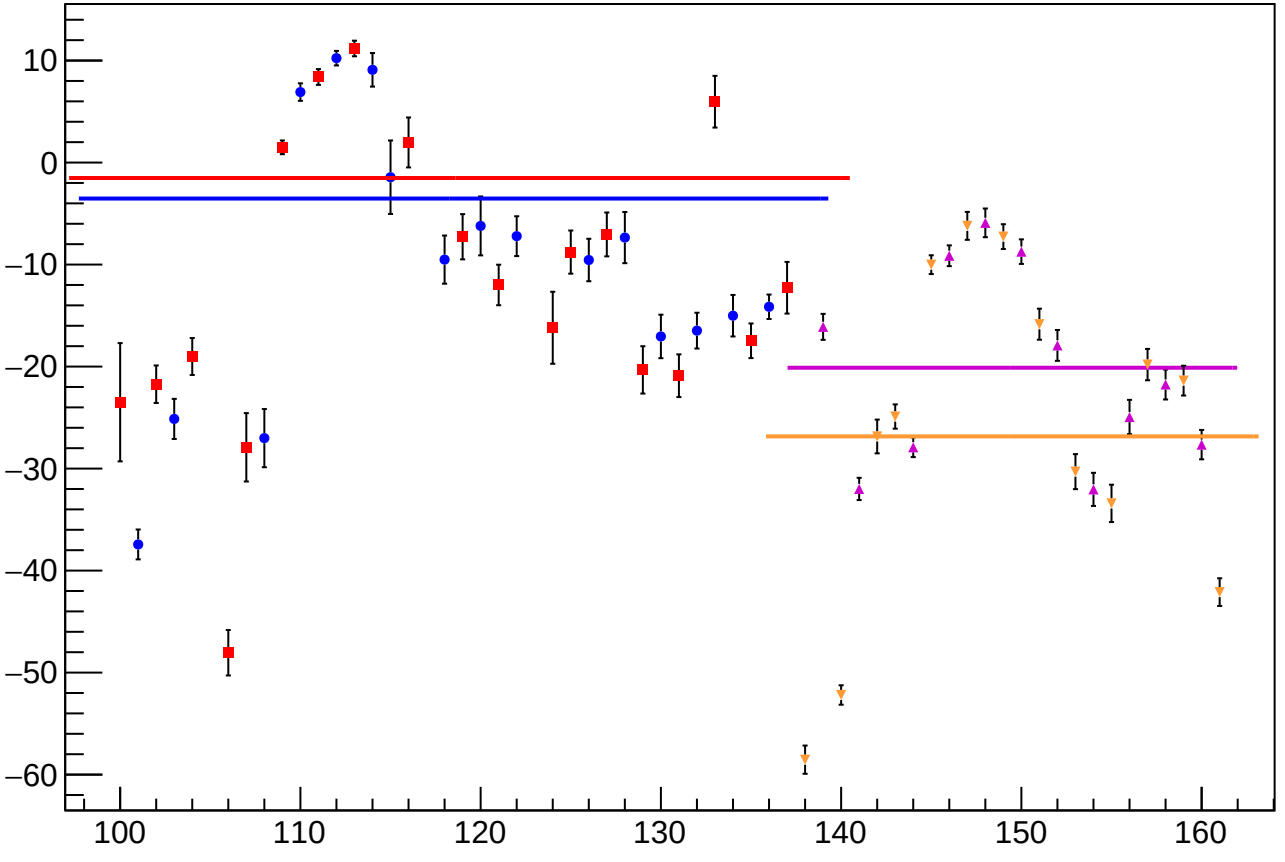
Left In: 1.049+/-0.019 χ^2/NDF:306.7/10

+ sign 0.830+/-0.017 χ^2/NDF: 804.6/28

All: 0.844+/-0.012 χ^2/NDF: 2130.6/58

- sign 0.860+/-0.018 χ^2/NDF: 1324.5/29

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -26.846+/-0.363 χ^2/NDF:2285.5/12

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

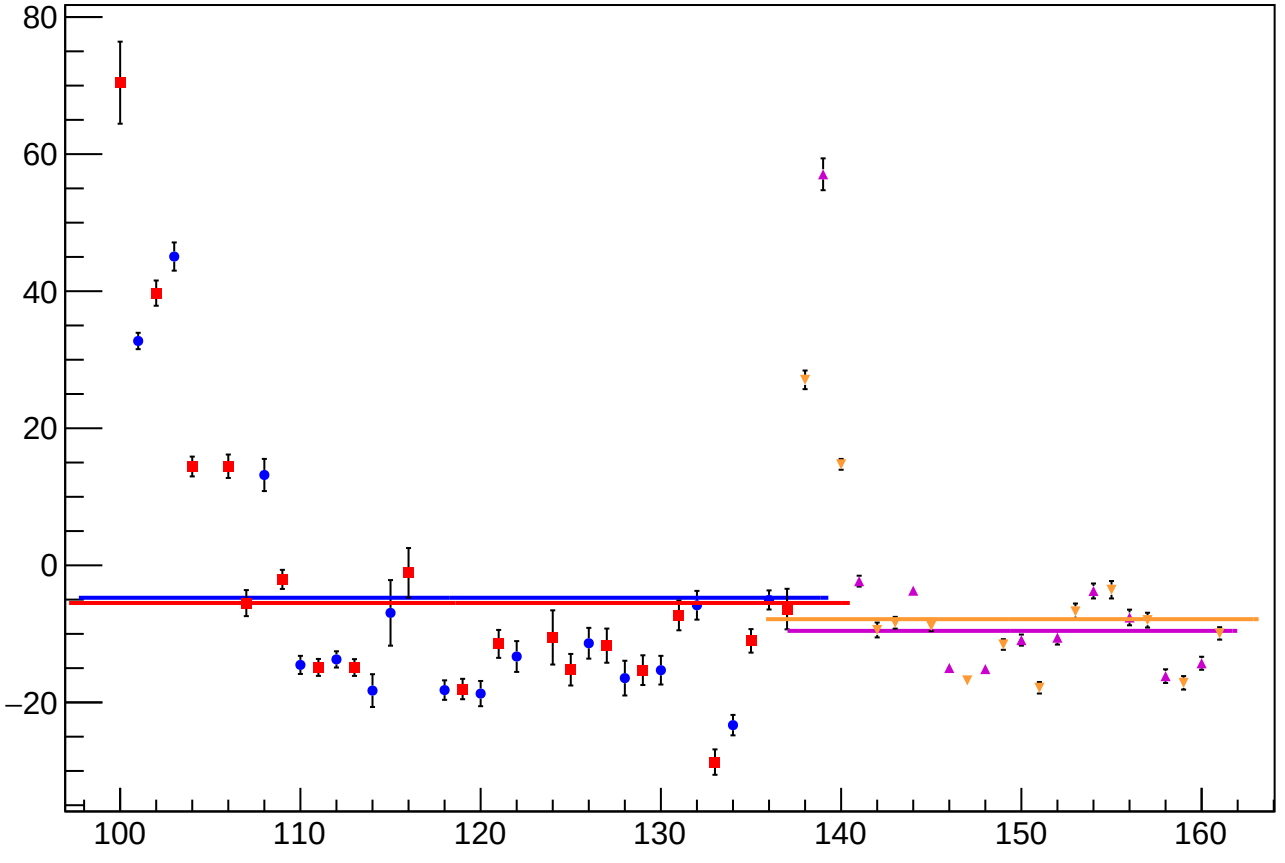
Left In: -20.114+/-0.383 χ^2/NDF:594.5/10

+ sign -15.619+/-0.261 χ^2/NDF: 5801.0/28

All: -12.553+/-0.182 χ^2/NDF: 9511.3/58

- sign -9.666+/-0.254 χ^2/NDF: 3443.1/29

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.852+/-0.249 χ^2/NDF:1952.8/12

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

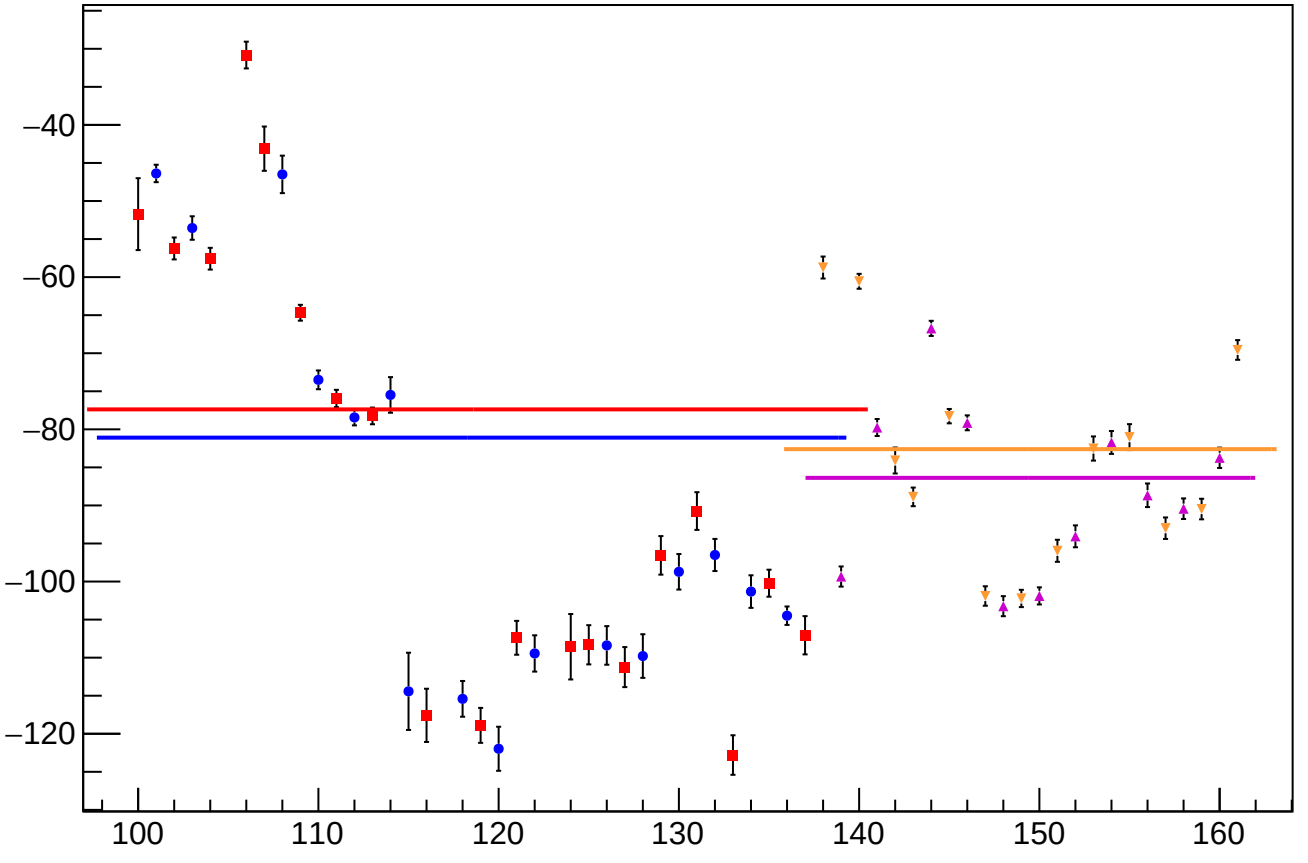
Left In: -9.561+/-0.259 χ^2/NDF:1223.5/10

+ sign -7.069+/-0.216 χ^2/NDF: 4140.2/28

All: -7.741+/-0.154 χ^2/NDF: 6959.6/58

- sign -8.446+/-0.221 χ^2/NDF: 2799.5/29

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -82.603+/-0.356 χ^2/NDF:1628.2/12

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

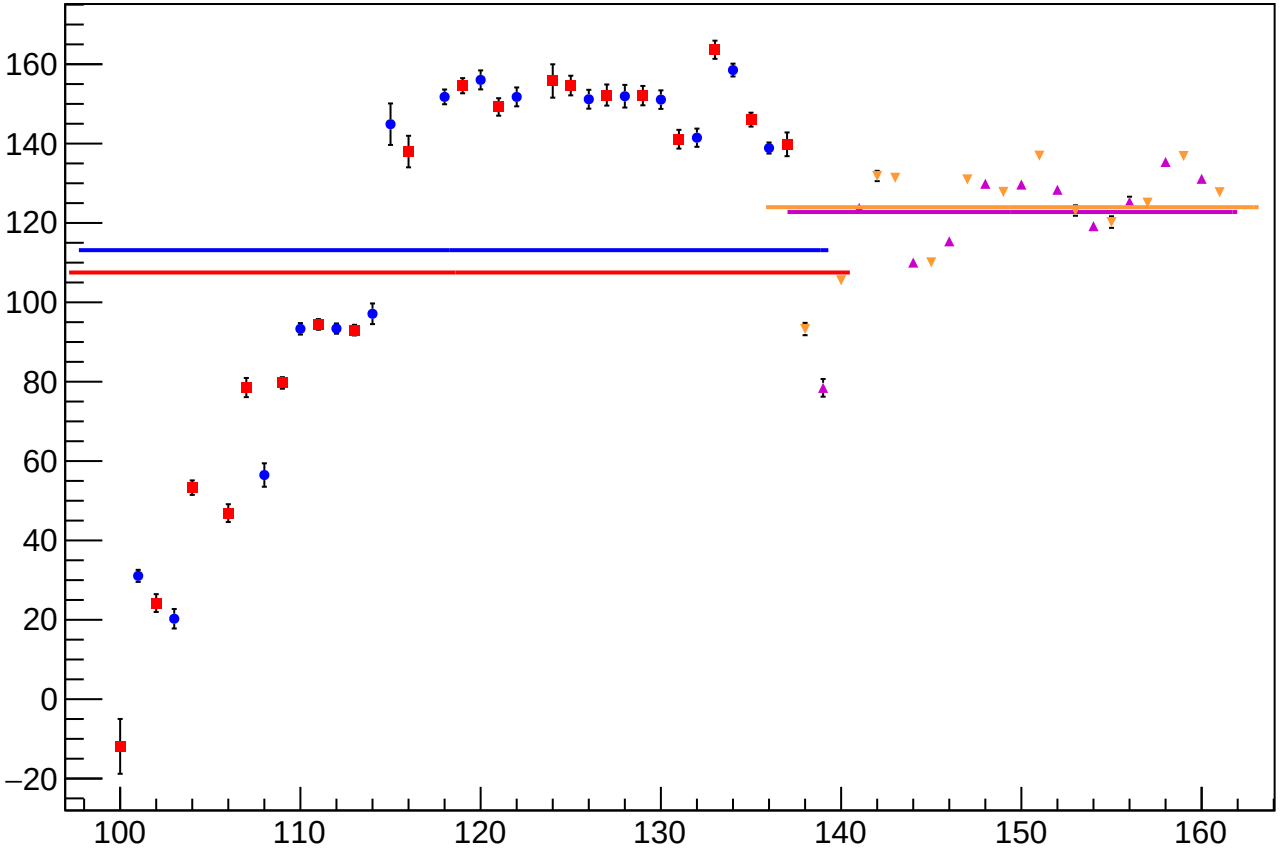
Left In: -86.375+/-0.372 χ^2/NDF:983.5/10

+ sign -82.003+/-0.276 χ^2/NDF: 4505.7/28

All: -82.196+/-0.196 χ^2/NDF: 8879.2/58

- sign -82.390+/-0.277 χ^2/NDF: 4372.6/29

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 123.973+/-0.296 χ^2/NDF:1516.1/12

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

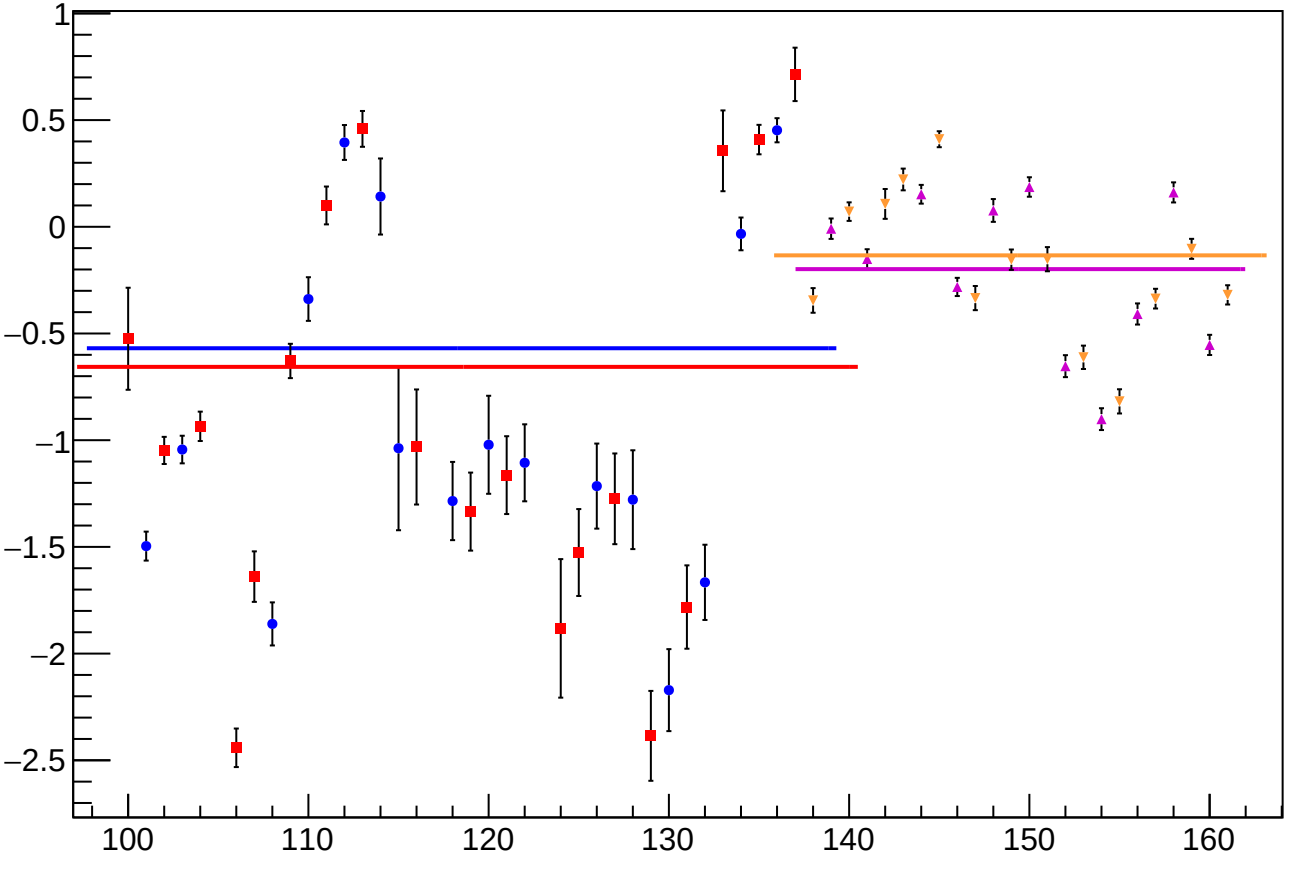
Left In: 122.753+/-0.308 χ^2/NDF:1080.7/10

+ sign 121.075+/-0.253 χ^2/NDF: 10079.4/28

All: 119.723+/-0.181 χ^2/NDF: 19478.3/58

- sign 118.305+/-0.259 χ^2/NDF: 9340.3/29

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.134+/-0.014 χ^2/NDF:578.8/12

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

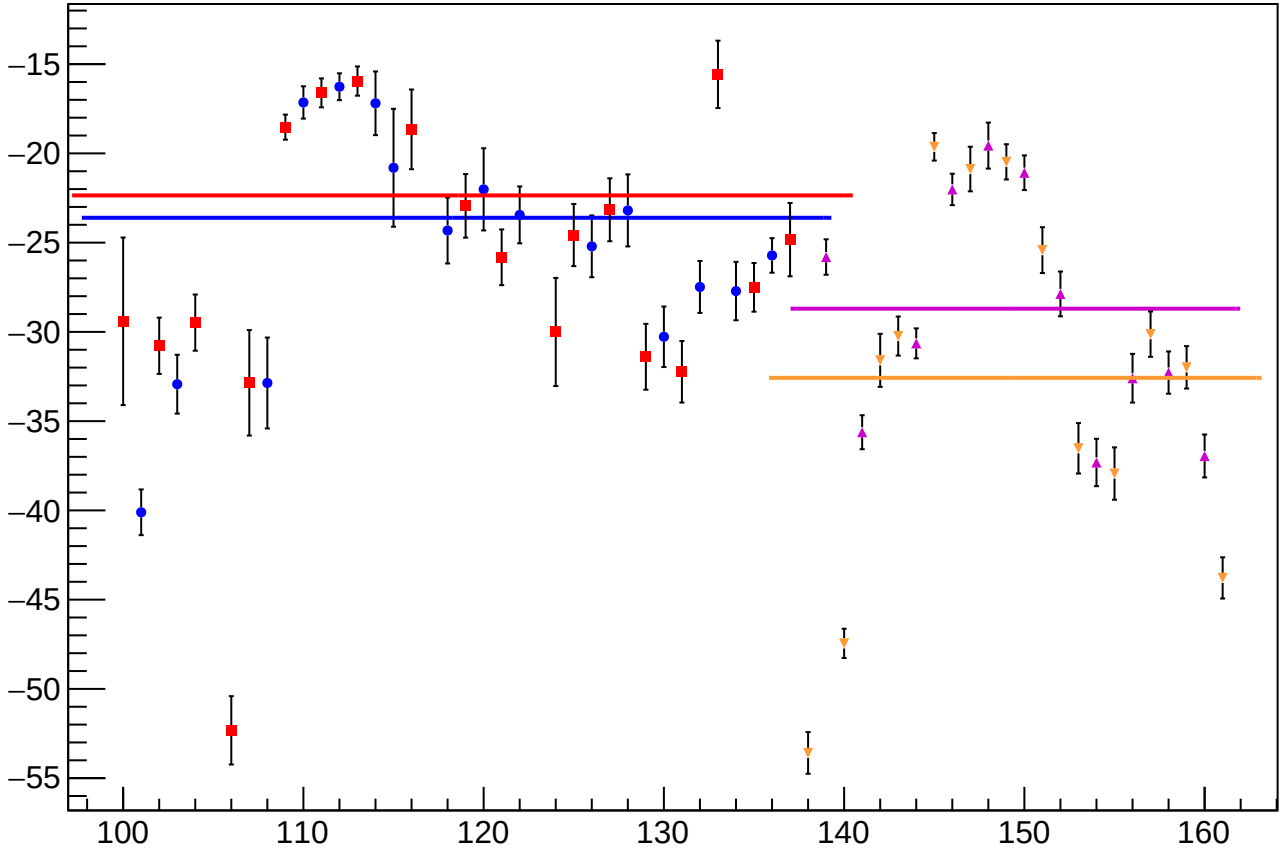
Left In: -0.198+/-0.014 χ^2/NDF:581.9/10

+ sign -0.231+/-0.012 χ^2/NDF: 1897.7/28

All: -0.269+/-0.009 χ^2/NDF: 4065.3/58

- sign -0.310+/-0.012 χ^2/NDF: 2146.8/29

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -32.573+/-0.308 χ^2/NDF:1328.4/12

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

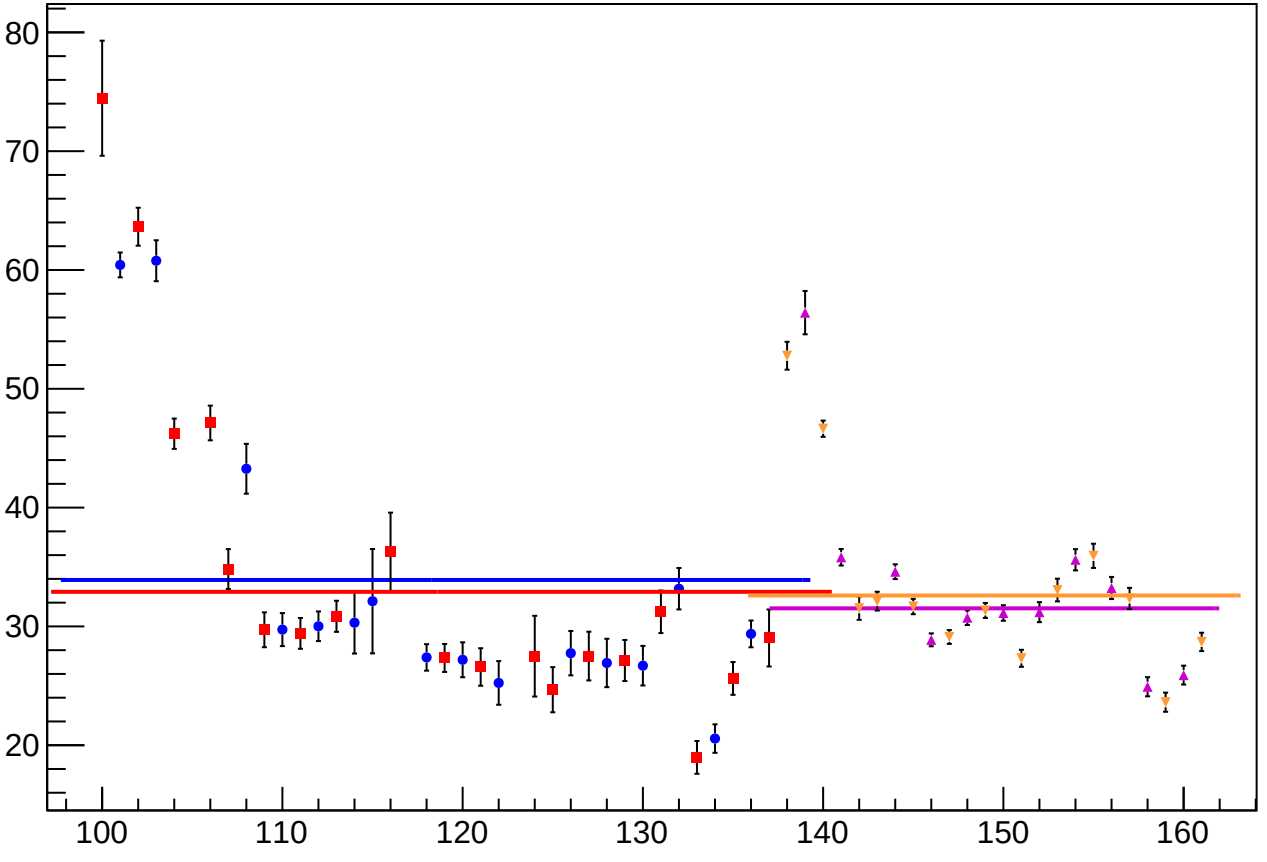
Left In: -28.700+/-0.322 χ^2/NDF:343.0/10

+ sign -28.633+/-0.231 χ^2/NDF: 2106.3/28

All: -27.056+/-0.162 χ^2/NDF: 3287.2/58

- sign -25.522+/-0.228 χ^2/NDF: 1088.9/29

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.603+/-0.214 χ^2/NDF:978.2/12

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

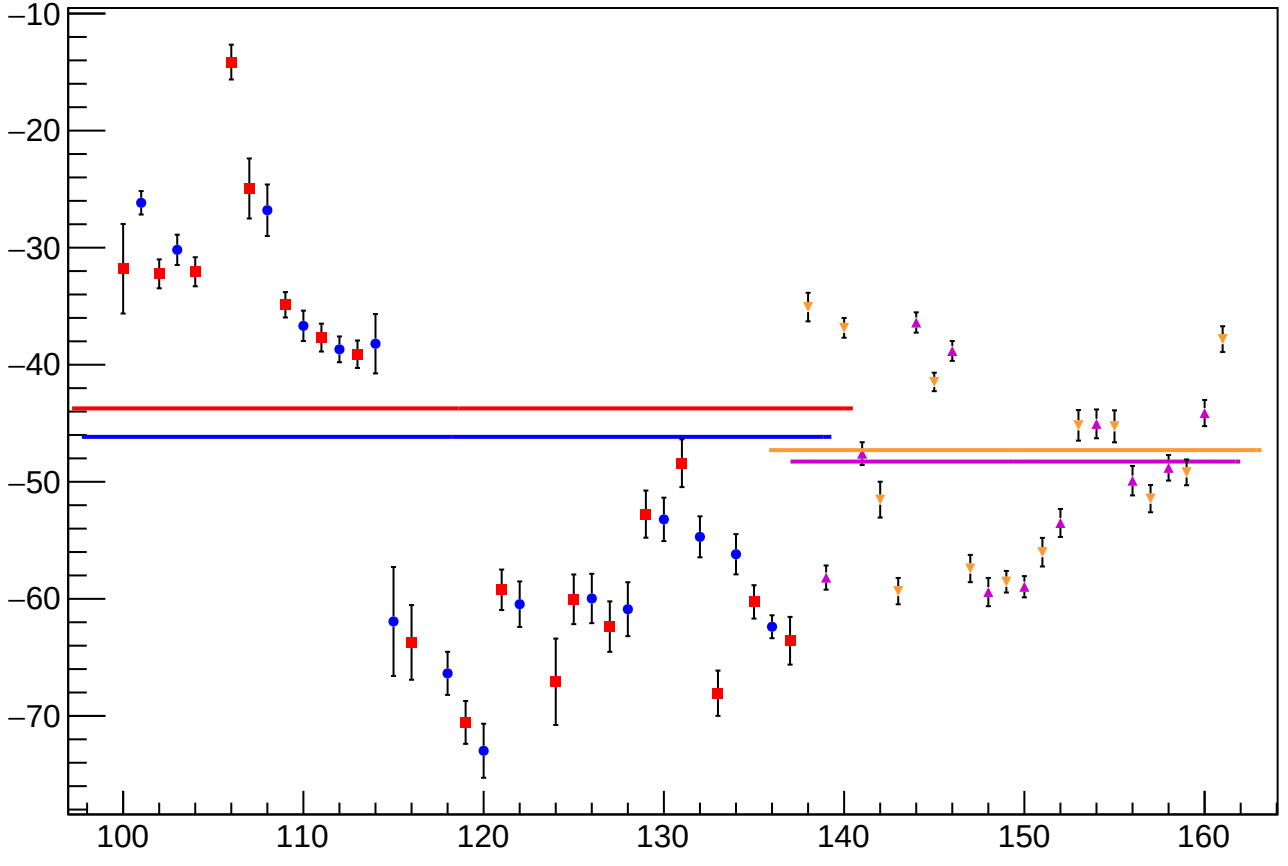
Left In: 31.521+/-0.222 χ^2/NDF:416.4/10

+ sign 32.924+/-0.186 χ^2/NDF: 2171.7/28

All: 32.419+/-0.133 χ^2/NDF: 3488.5/58

- sign 31.886+/-0.191 χ^2/NDF: 1301.6/29

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -47.296+/-0.302 χ^2/NDF:800.5/12

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

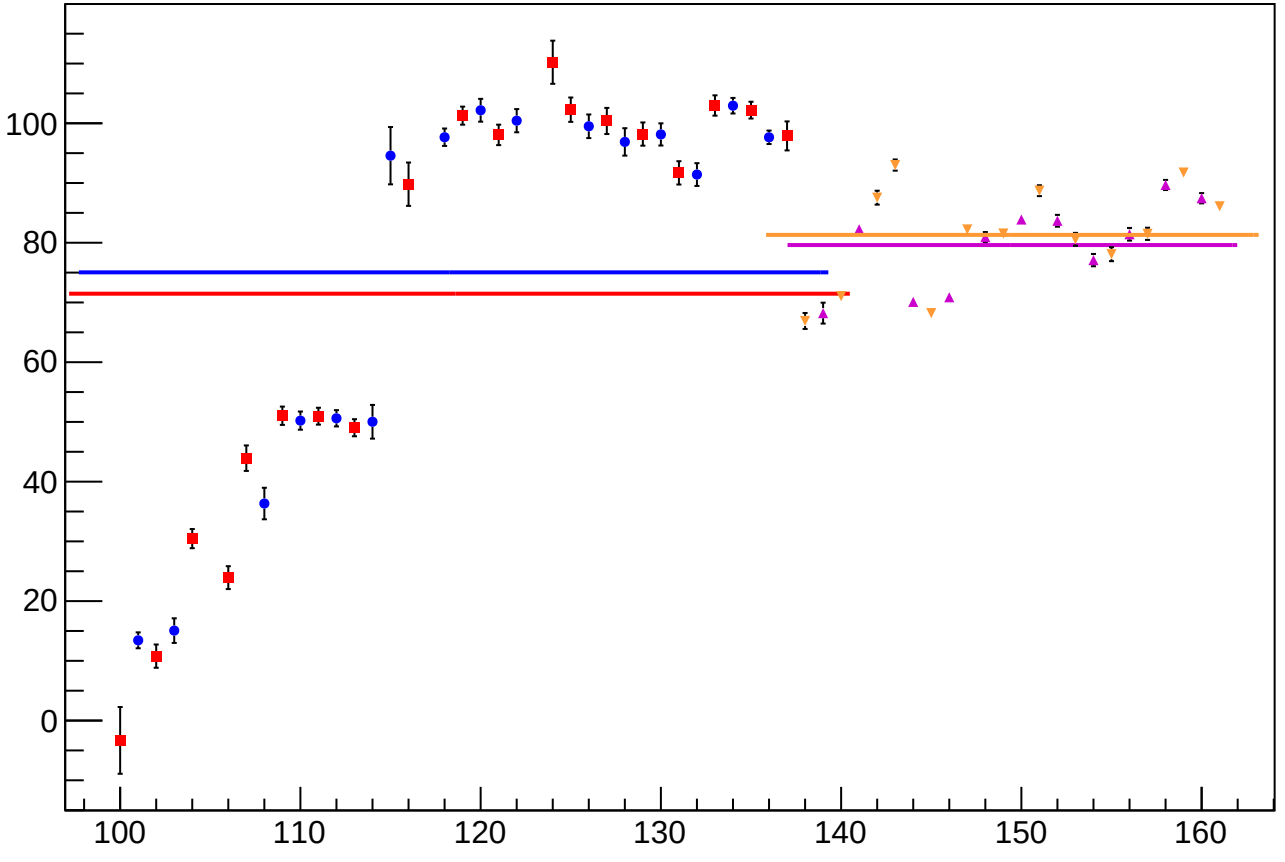
Left In: -48.271+/-0.312 χ^2/NDF:671.0/10

+ sign -46.871+/-0.239 χ^2/NDF: 2295.4/28

All: -46.652+/-0.170 χ^2/NDF: 4717.1/58

- sign -46.430+/-0.241 χ^2/NDF: 2420.0/29

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 81.314+/-0.252 χ^2/NDF:1035.4/12

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

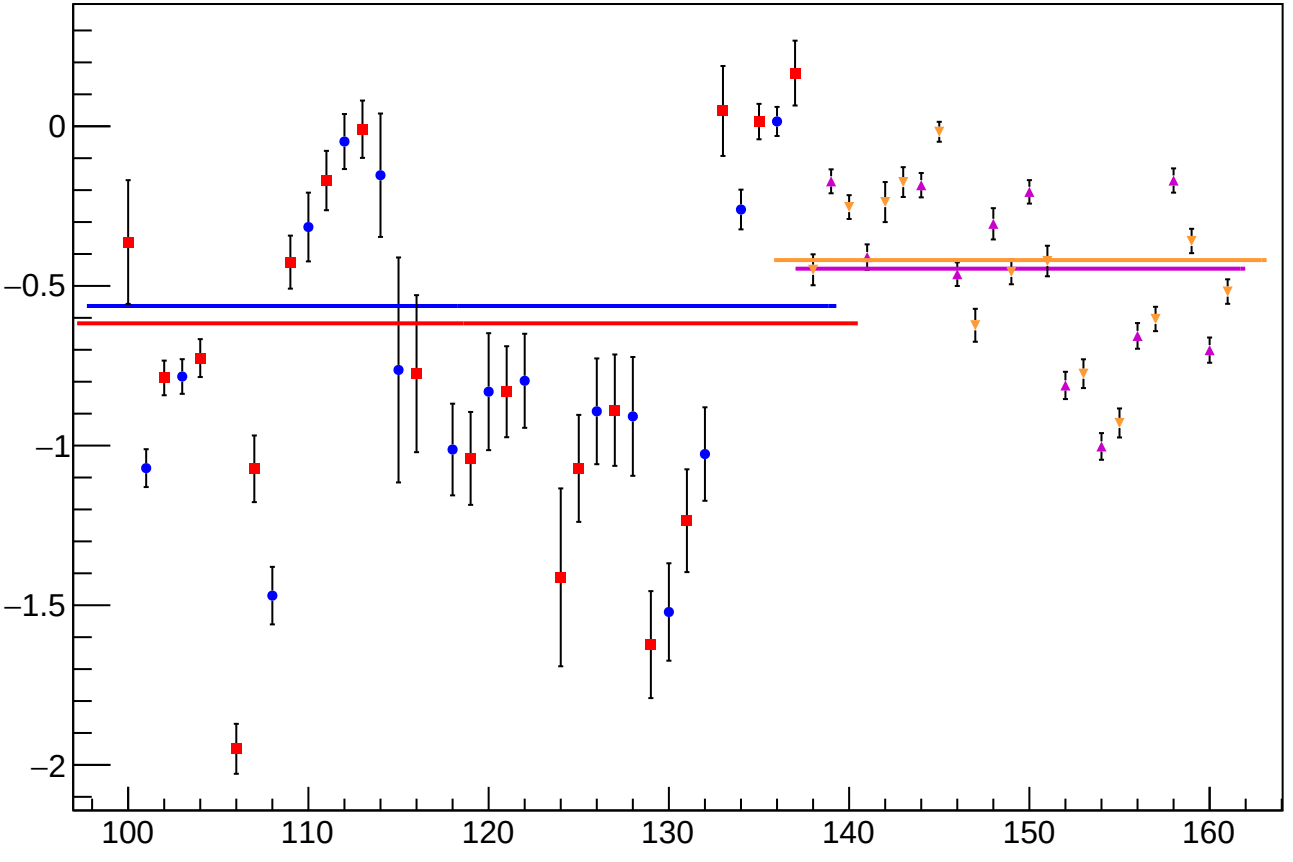
Left In: 79.613+/-0.262 χ^2/NDF:677.7/10

+ sign 79.694+/-0.217 χ^2/NDF: 7023.4/28

All: 78.567+/-0.156 χ^2/NDF: 13650.4/58

- sign 77.381+/-0.223 χ^2/NDF: 6571.7/29

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.419+/-0.012 χ^2/NDF:459.2/12

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

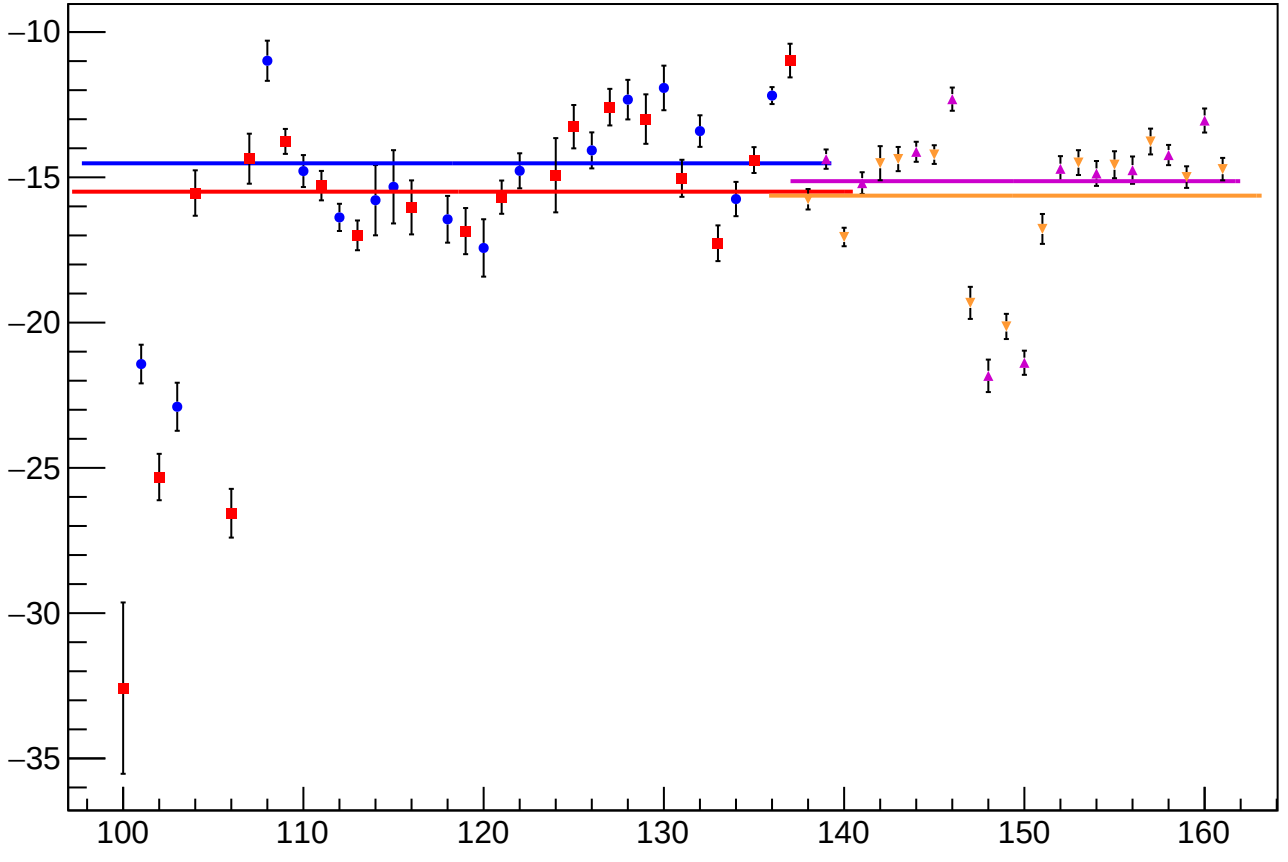
Left In: -0.446+/-0.012 χ^2/NDF:525.2/10

+ sign -0.450+/-0.010 χ^2/NDF: 985.0/28

All: -0.467+/-0.007 χ^2/NDF: 2251.9/58

- sign -0.485+/-0.011 χ^2/NDF: 1261.4/29

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.630+/-0.113 χ^2/NDF:248.3/12

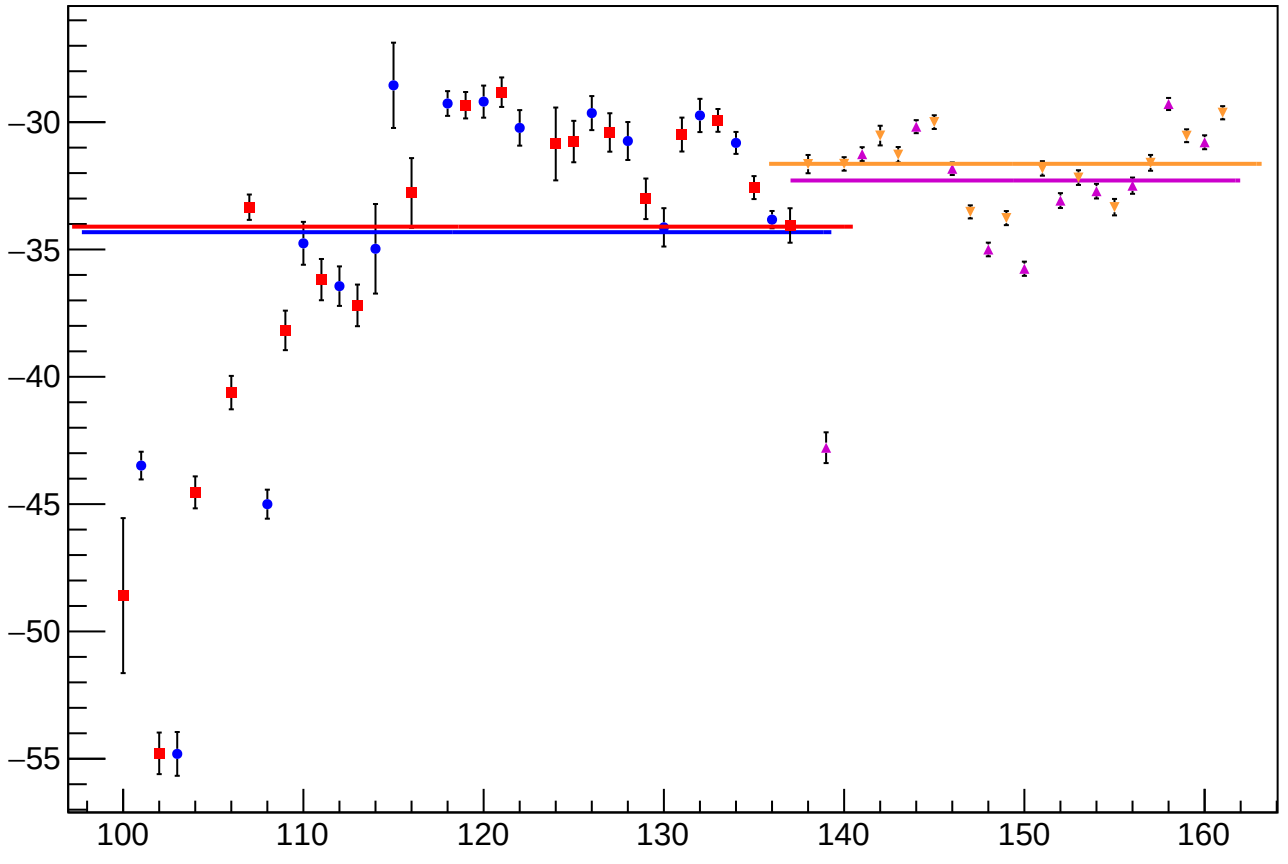
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.132+/-0.120 χ^2/NDF:467.4/10

+ sign -15.224+/-0.090 χ^2/NDF: 646.8/28

All: -15.248+/-0.065 χ^2/NDF: 1621.7/58

- sign -15.274+/-0.094 χ^2/NDF: 974.7/29



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.636+/-0.080 χ^2/NDF:270.3/12

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

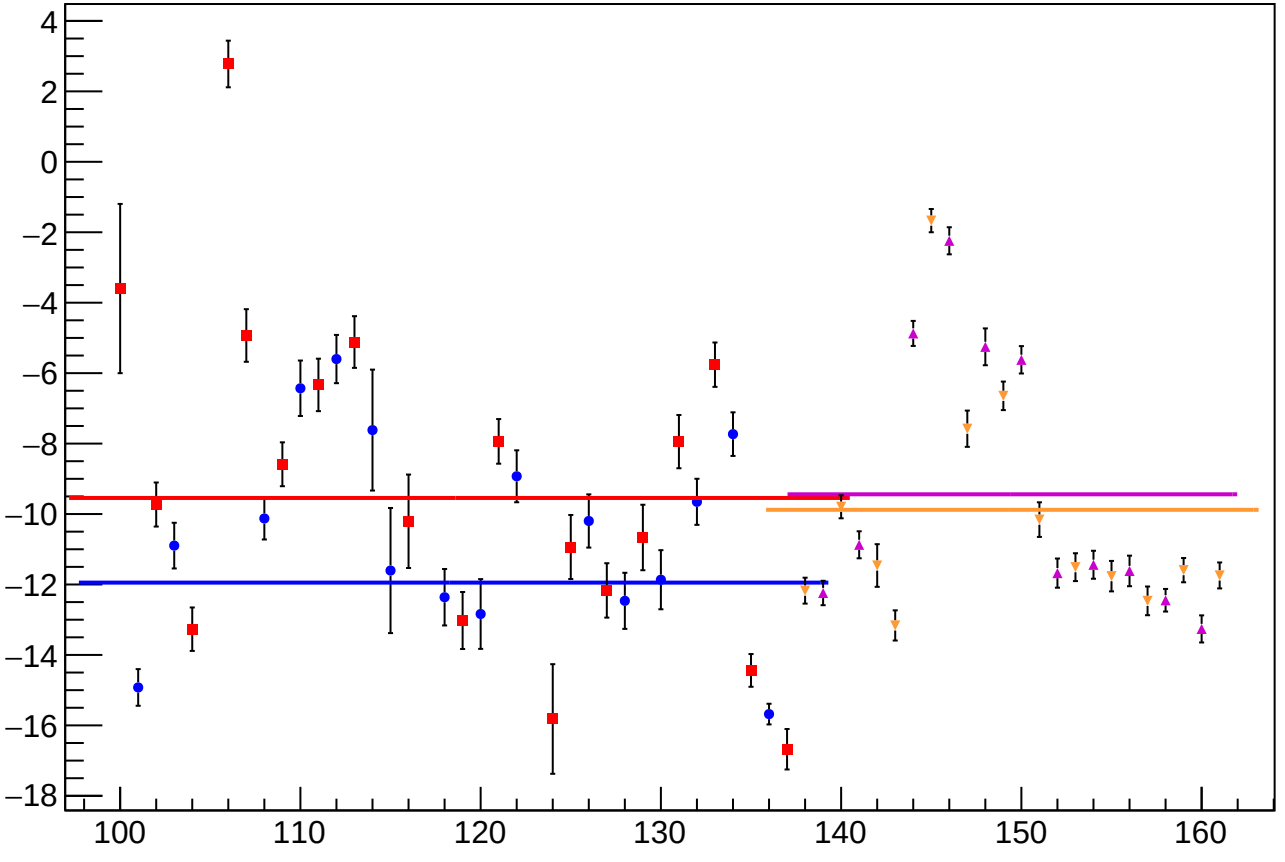
Left In: -32.291+/-0.085 χ^2/NDF:842.9/10

+ sign -32.210+/-0.071 χ^2/NDF: 2132.1/28

All: -32.449+/-0.051 χ^2/NDF: 4539.9/58

- sign -32.712+/-0.074 χ^2/NDF: 2383.9/29

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: -9.880+/-0.111 χ^2/NDF:934.0/12

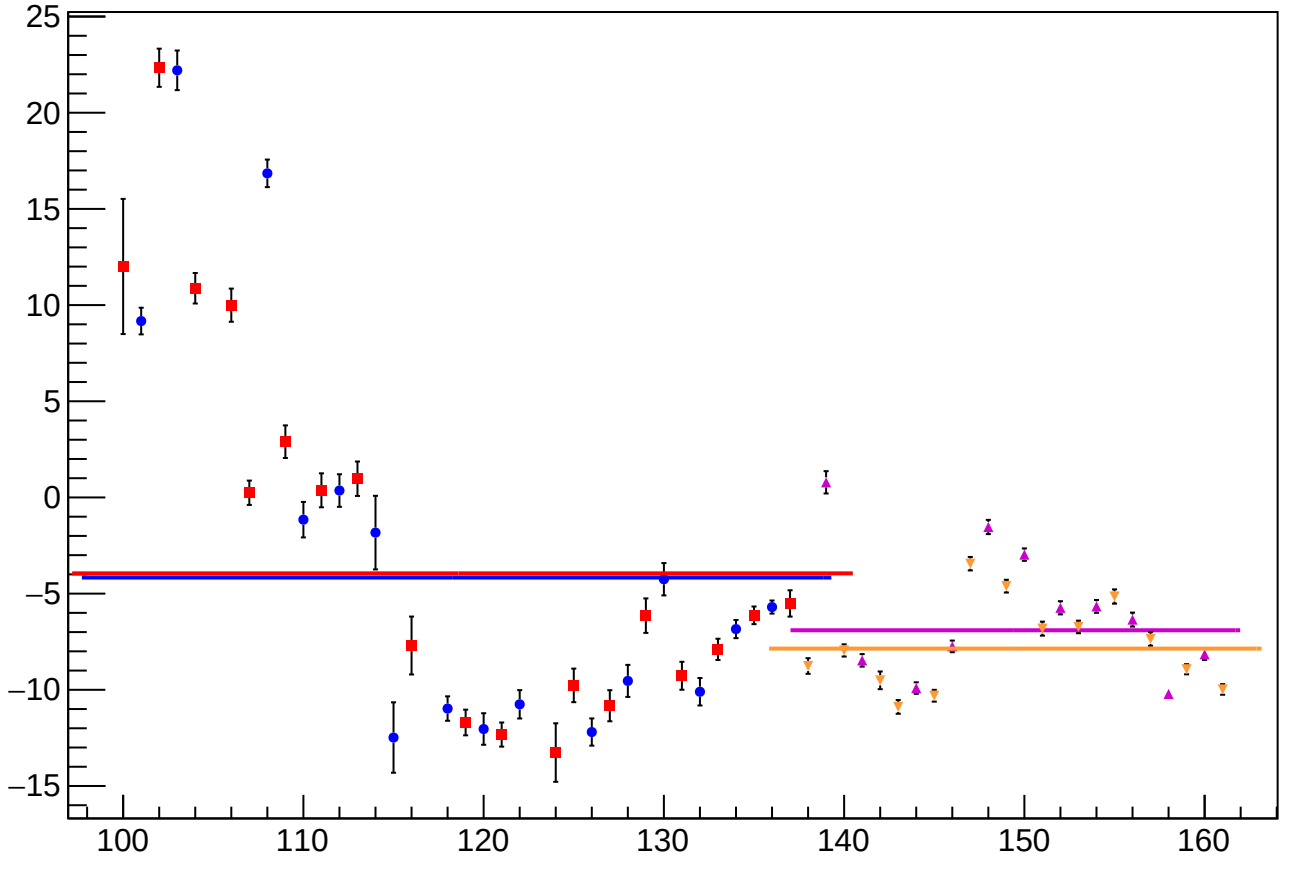
Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -9.439+/-0.116 χ^2/NDF:1021.8/10

+ sign -10.547+/-0.091 χ^2/NDF: 1476.8/28

All: -10.034+/-0.066 χ^2/NDF: 3412.5/58

- sign -9.474+/-0.095 χ^2/NDF: 1869.1/29



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -7.858+/-0.093 χ^2/NDF:558.7/12

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

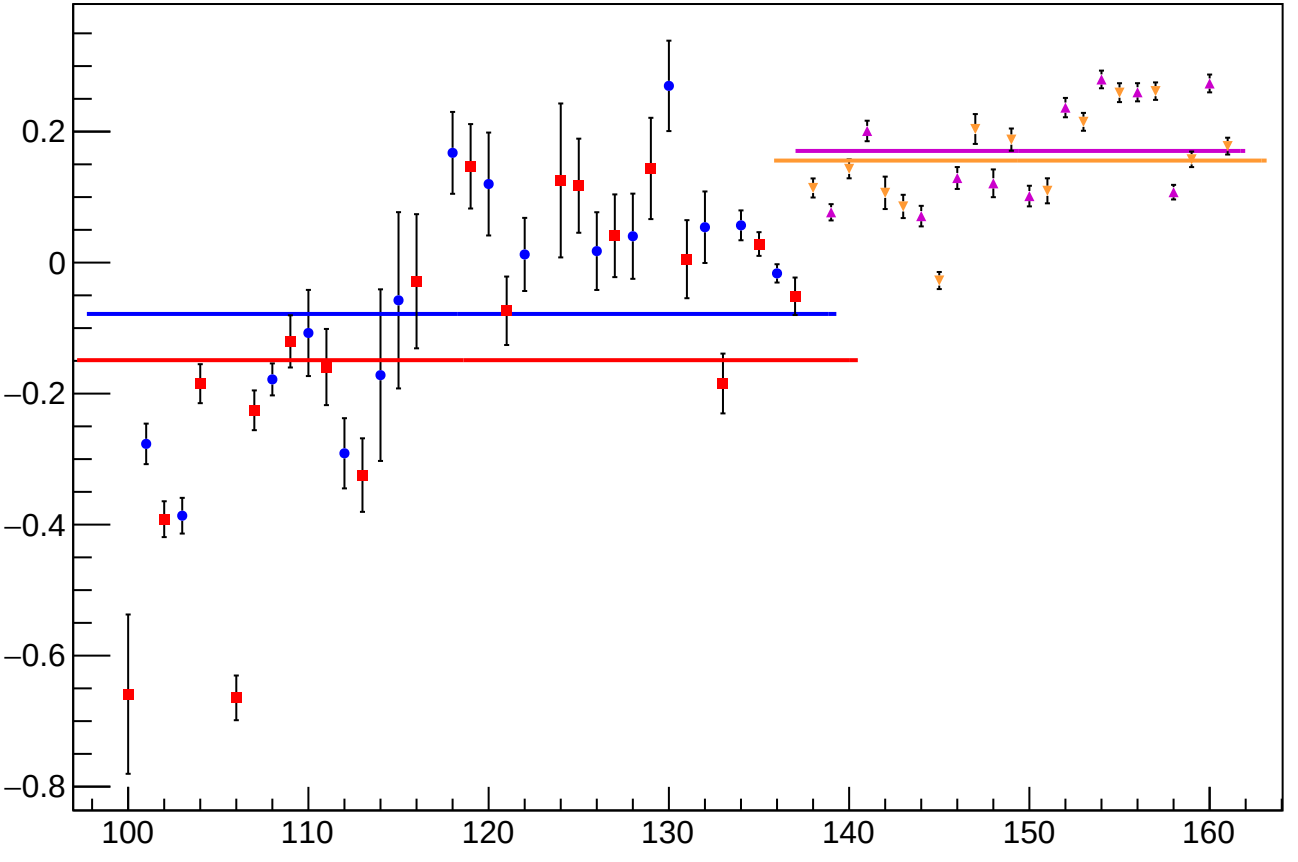
Left In: -6.904+/-0.098 χ^2/NDF:887.4/10

+ sign -7.022+/-0.082 χ^2/NDF: 3441.1/28

All: -6.632+/-0.059 χ^2/NDF: 6701.8/58

- sign -6.203+/-0.086 χ^2/NDF: 3212.9/29

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.156+/-0.004 χ^2/NDF:376.3/12

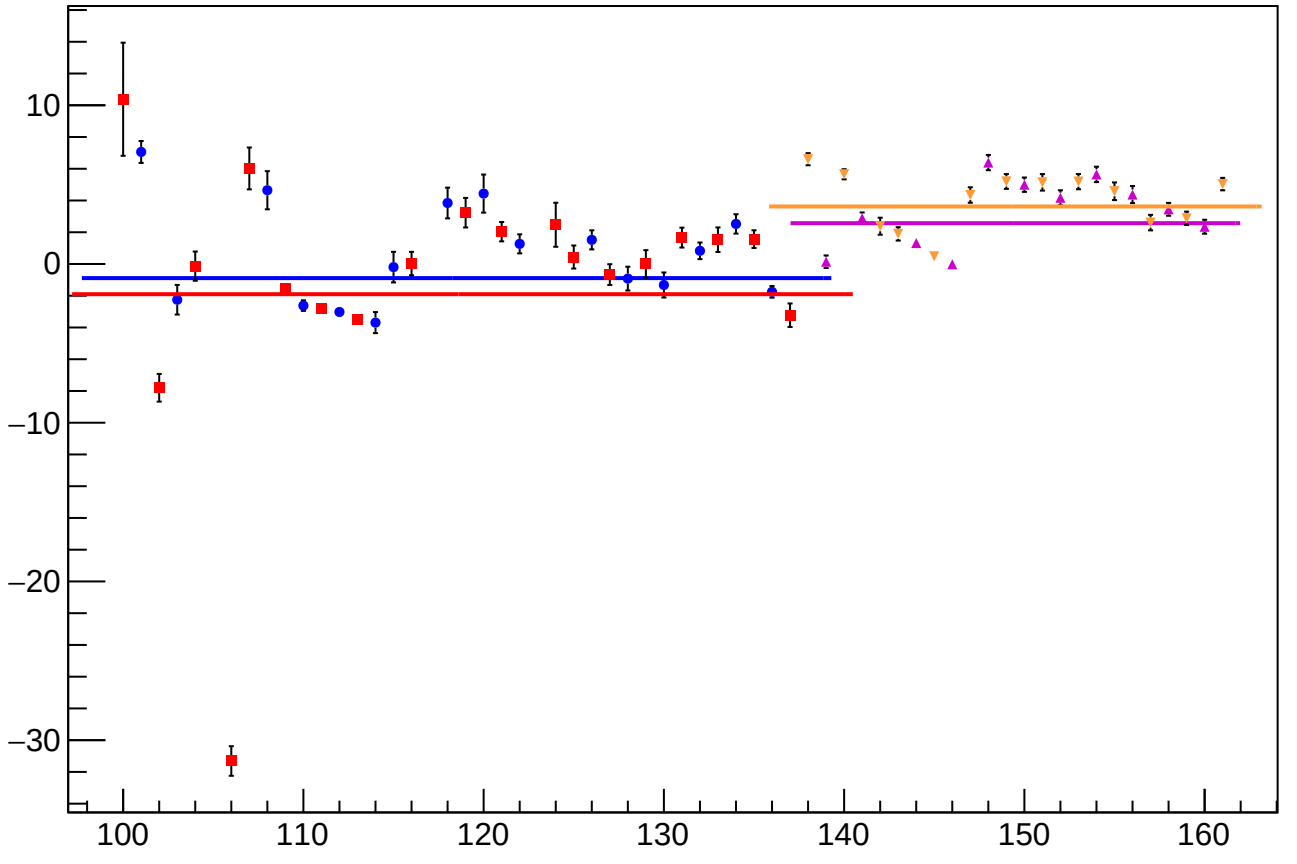
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.170+/-0.004 χ^2/NDF:348.1/10

+ sign 0.111+/-0.004 χ^2/NDF: 1298.1/28

All: 0.111+/-0.003 χ^2/NDF: 3179.9/58

- sign 0.111+/-0.004 χ^2/NDF: 1881.7/29



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.623+/-0.113 χ^2/NDF:343.5/12

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

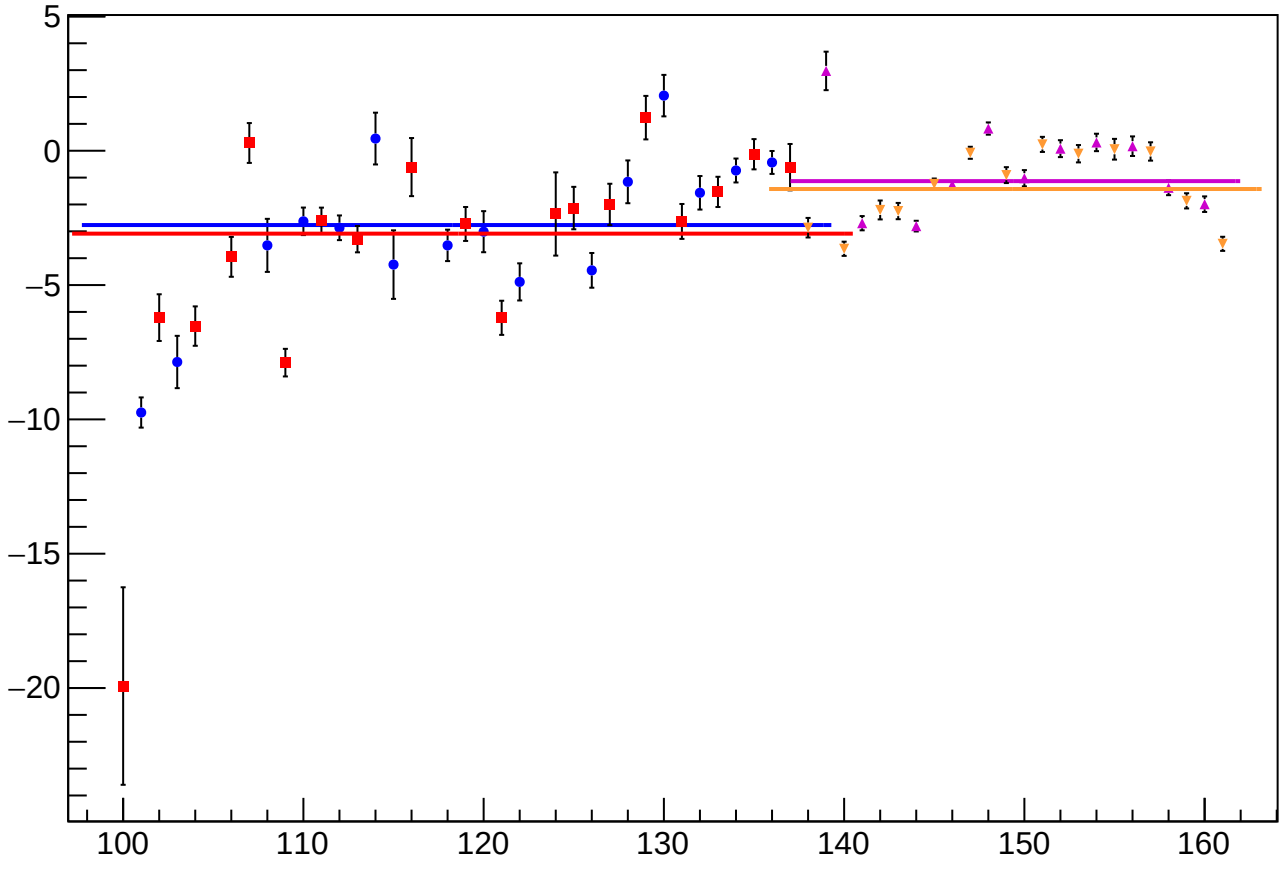
Left In: 2.572+/-0.118 χ^2/NDF:293.5/10

+ sign 1.796+/-0.087 χ^2/NDF: 1373.1/28

All: 1.156+/-0.061 χ^2/NDF: 3763.6/58

- sign 0.516+/-0.087 χ^2/NDF: 2282.1/29

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.424+/-0.079 χ^2/NDF:284.4/12

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

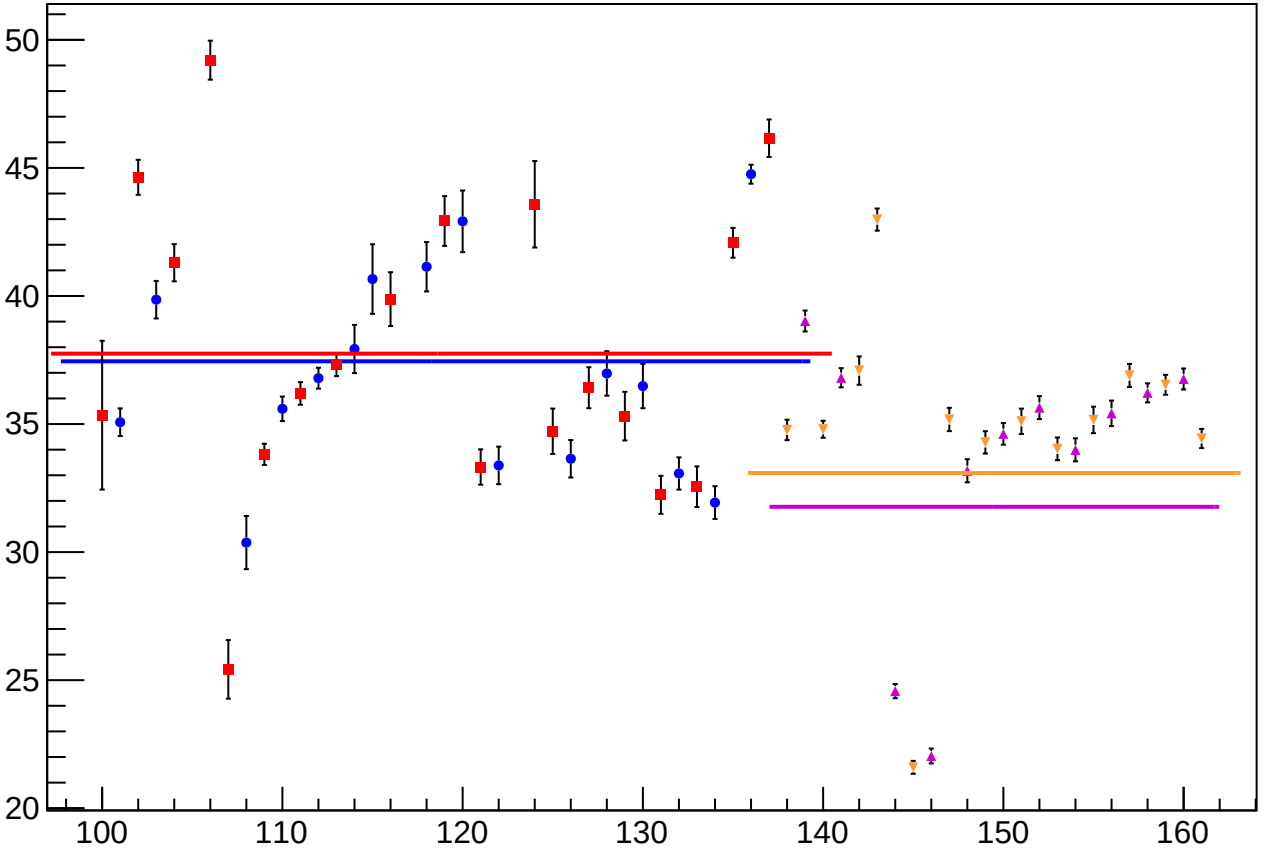
Left In: -1.131+/-0.080 χ^2/NDF:269.4/10

+ sign -1.696+/-0.070 χ^2/NDF: 653.3/28

All: -1.616+/-0.050 χ^2/NDF: 1320.0/58

- sign -1.533+/-0.071 χ^2/NDF: 664.1/29

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: 33.089+/-0.111 χ^2/NDF:2919.9/12

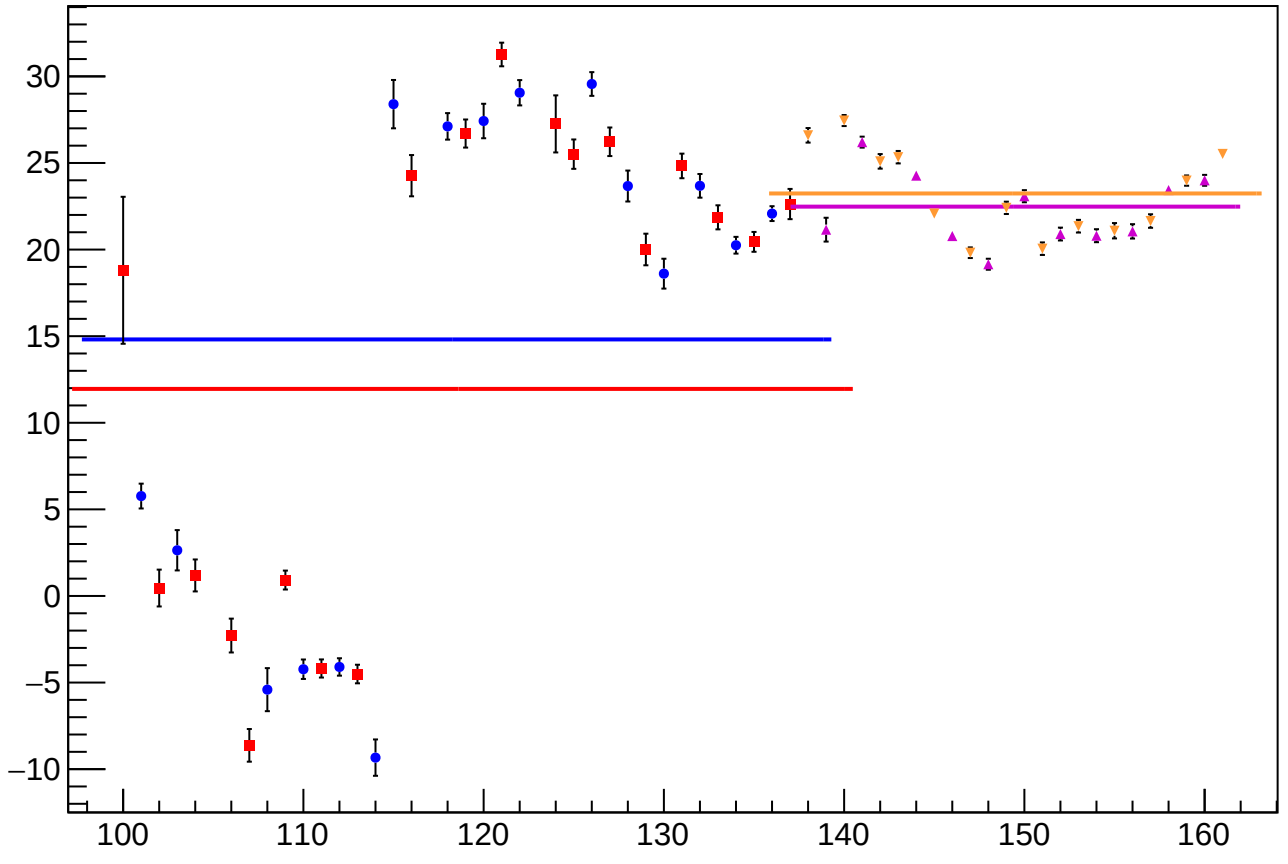
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 31.769+/-0.115 χ^2/NDF:2789.4/10

+ sign 34.494+/-0.091 χ^2/NDF: 4125.5/28

All: 34.163+/-0.065 χ^2/NDF: 8831.1/58

- sign 33.816+/-0.093 χ^2/NDF: 4678.5/29



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.240+/-0.092 χ^2/NDF:663.0/12

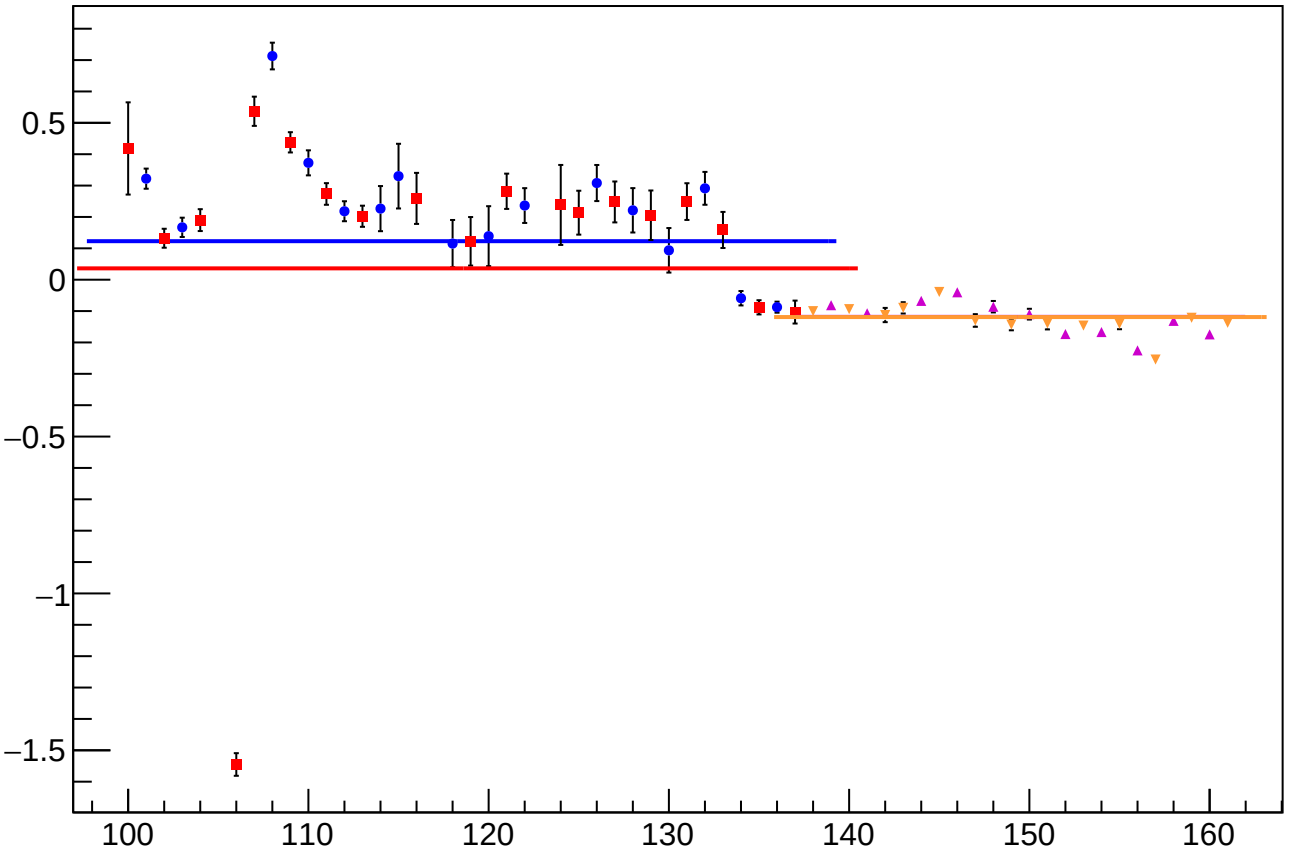
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.479+/-0.095 χ^2/NDF:456.4/10

+ sign 21.384+/-0.082 χ^2/NDF: 8181.4/28

All: 20.770+/-0.058 χ^2/NDF: 17609.5/58

- sign 20.126+/-0.084 χ^2/NDF: 9312.2/29



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.119+/-0.004 χ^2/NDF:165.8/12

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

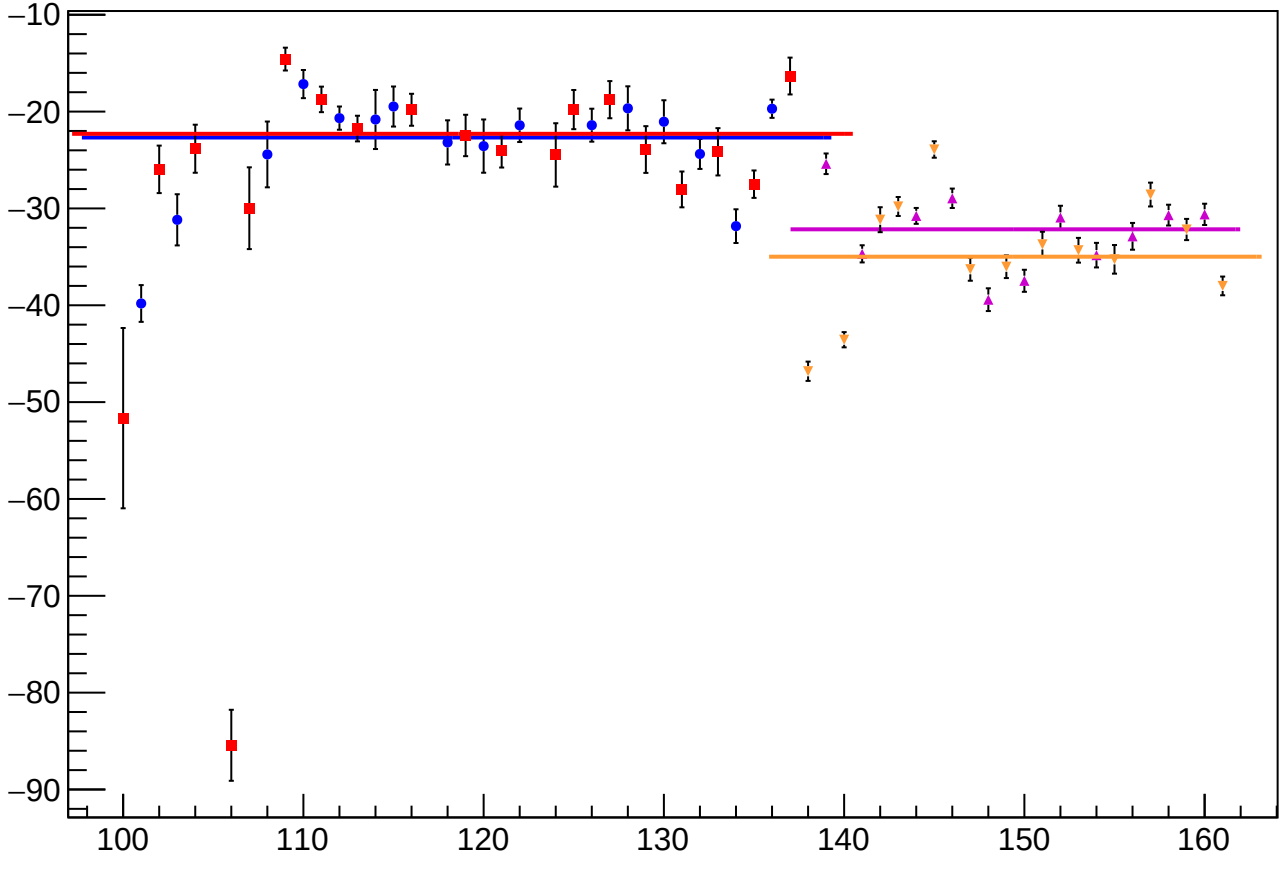
Left In: -0.118+/-0.004 χ^2/NDF:149.5/10

+ sign -0.078+/-0.004 χ^2/NDF: 1234.2/28

All: -0.085+/-0.003 χ^2/NDF: 4012.4/58

- sign -0.092+/-0.004 χ^2/NDF: 2771.8/29

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: -34.984+/-0.297 χ^2/NDF:513.3/12

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

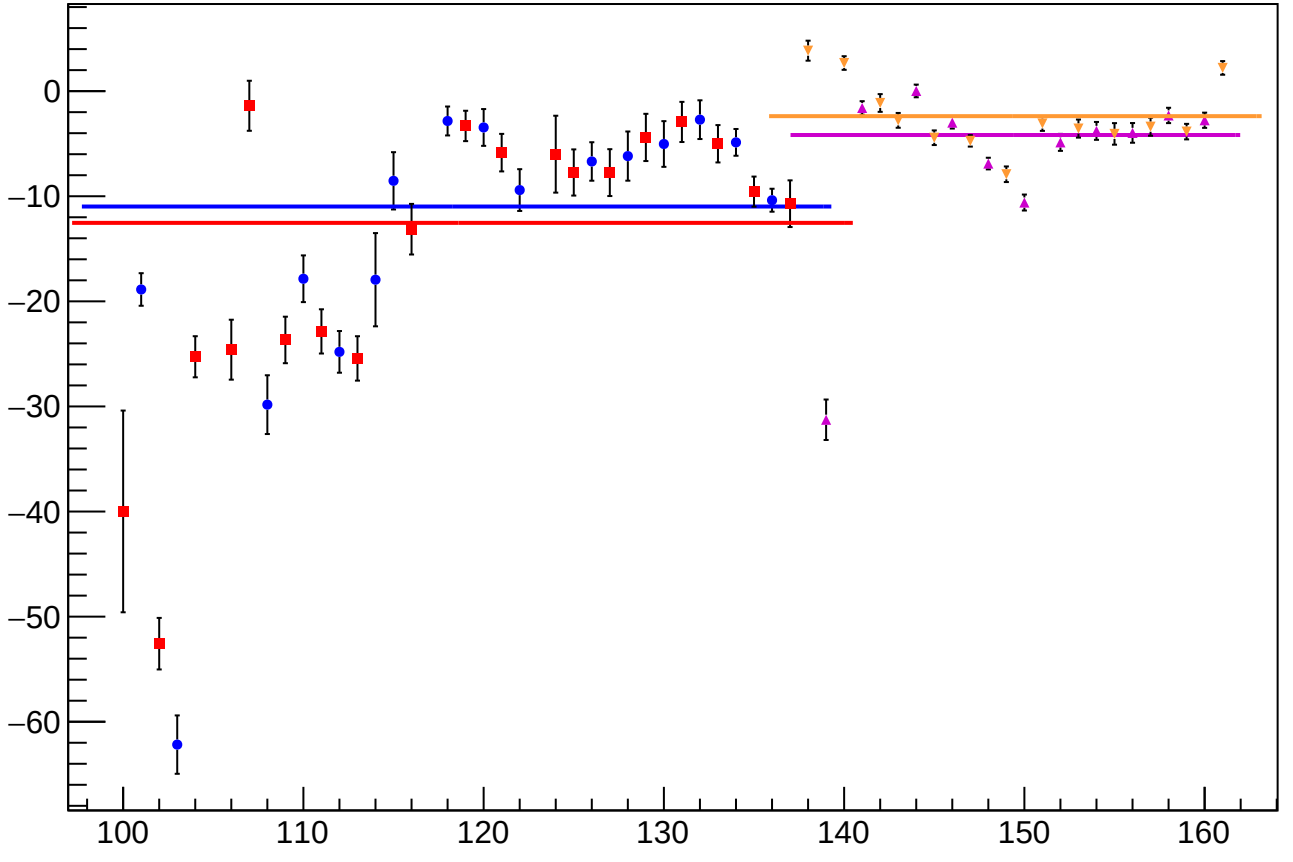
Left In: -32.156+/-0.322 χ^2/NDF:131.3/10

+ sign -31.059+/-0.245 χ^2/NDF: 1214.3/28

All: -29.928+/-0.178 χ^2/NDF: 2128.0/58

- sign -28.670+/-0.259 χ^2/NDF: 868.8/29

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.380+/-0.204 χ^2/NDF:249.7/12

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

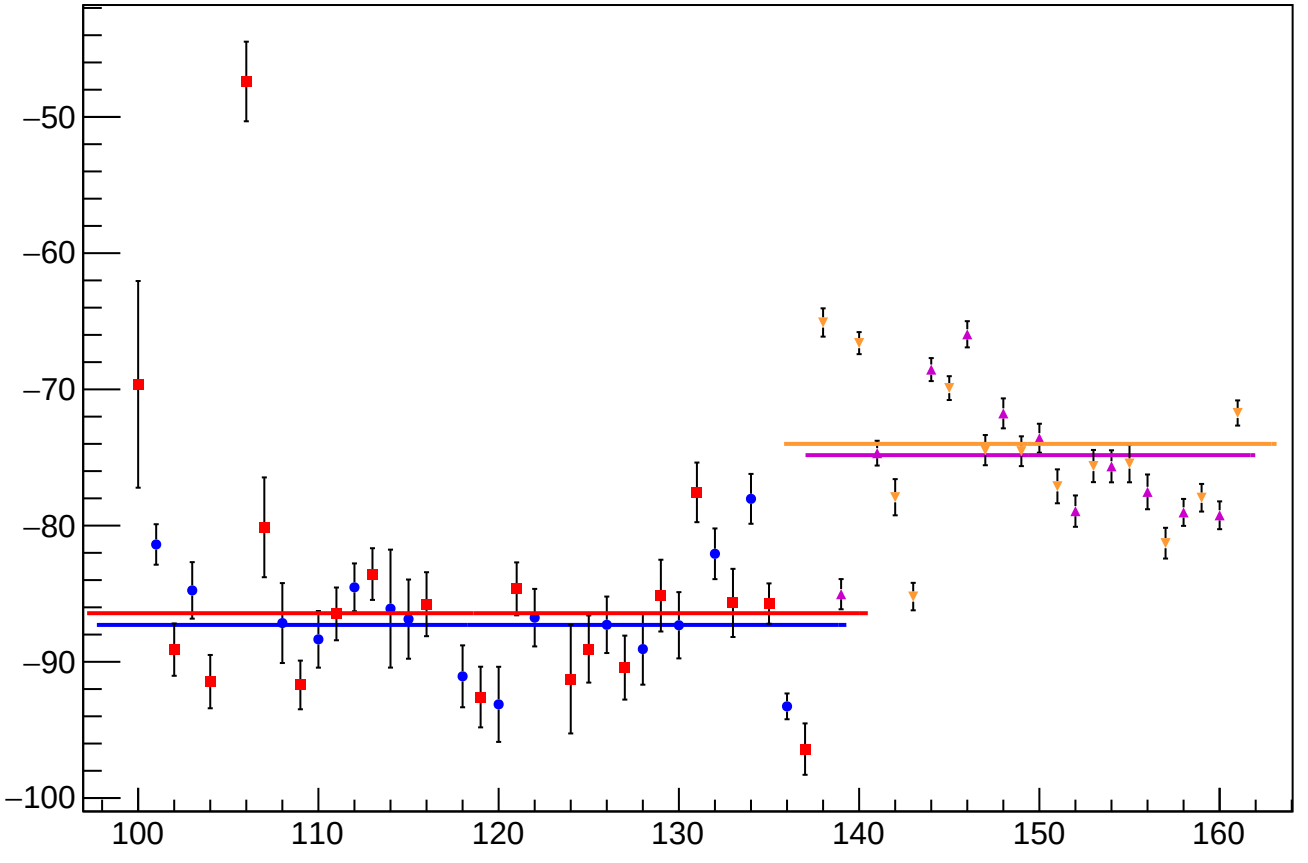
Left In: -4.173+/-0.216 χ^2/NDF:373.1/10

+ sign -3.829+/-0.186 χ^2/NDF: 1136.1/28

All: -4.653+/-0.135 χ^2/NDF: 2374.3/58

- sign -5.580+/-0.197 χ^2/NDF: 1196.6/29

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: -74.002+/-0.291 χ^2/NDF:384.0/12

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

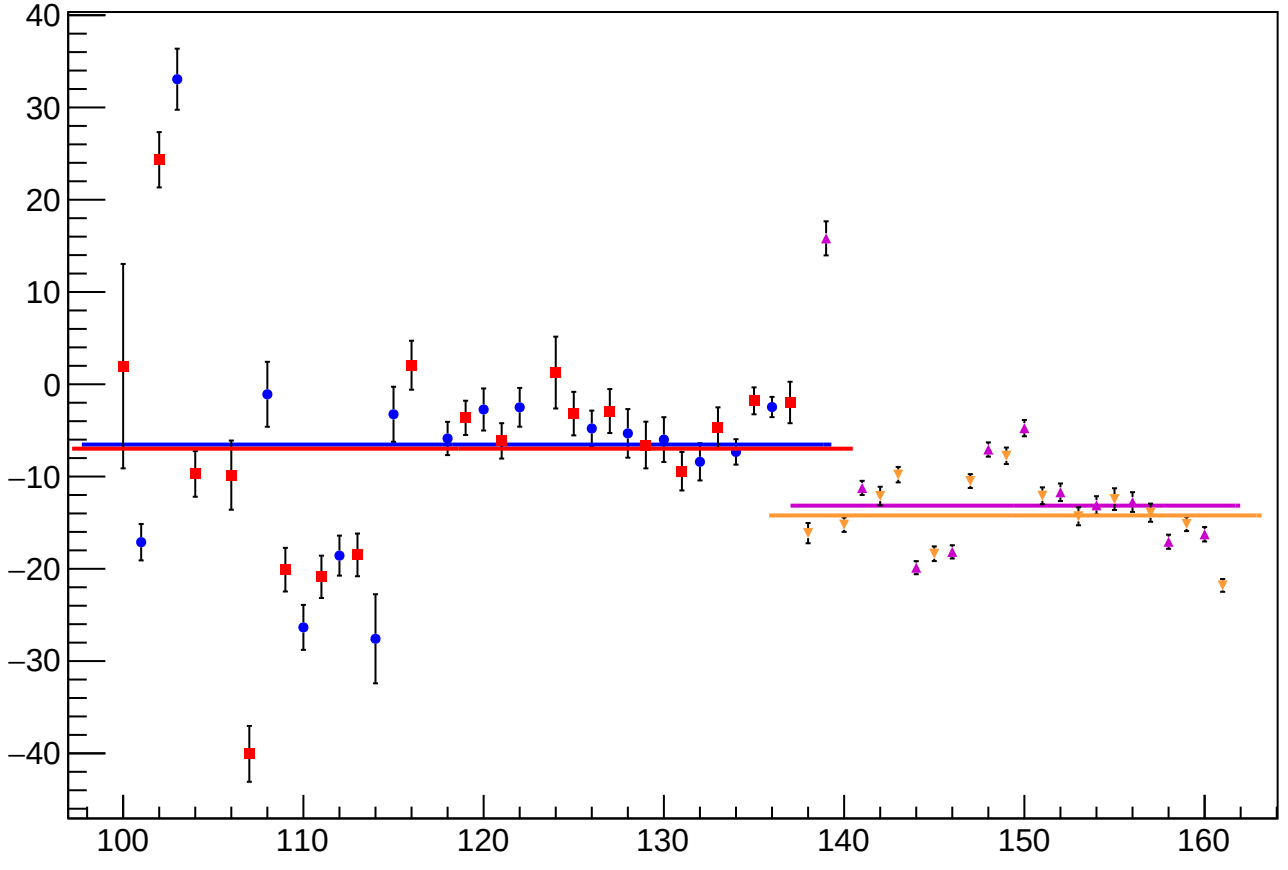
Left In: -74.828+/-0.312 χ^2/NDF:288.9/10

+ sign -77.573+/-0.249 χ^2/NDF: 1044.4/28

All: -77.783+/-0.182 χ^2/NDF: 1980.8/58

- sign -78.022+/-0.265 χ^2/NDF: 934.9/29

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: -14.217+/-0.241 χ^2/NDF:270.4/12

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

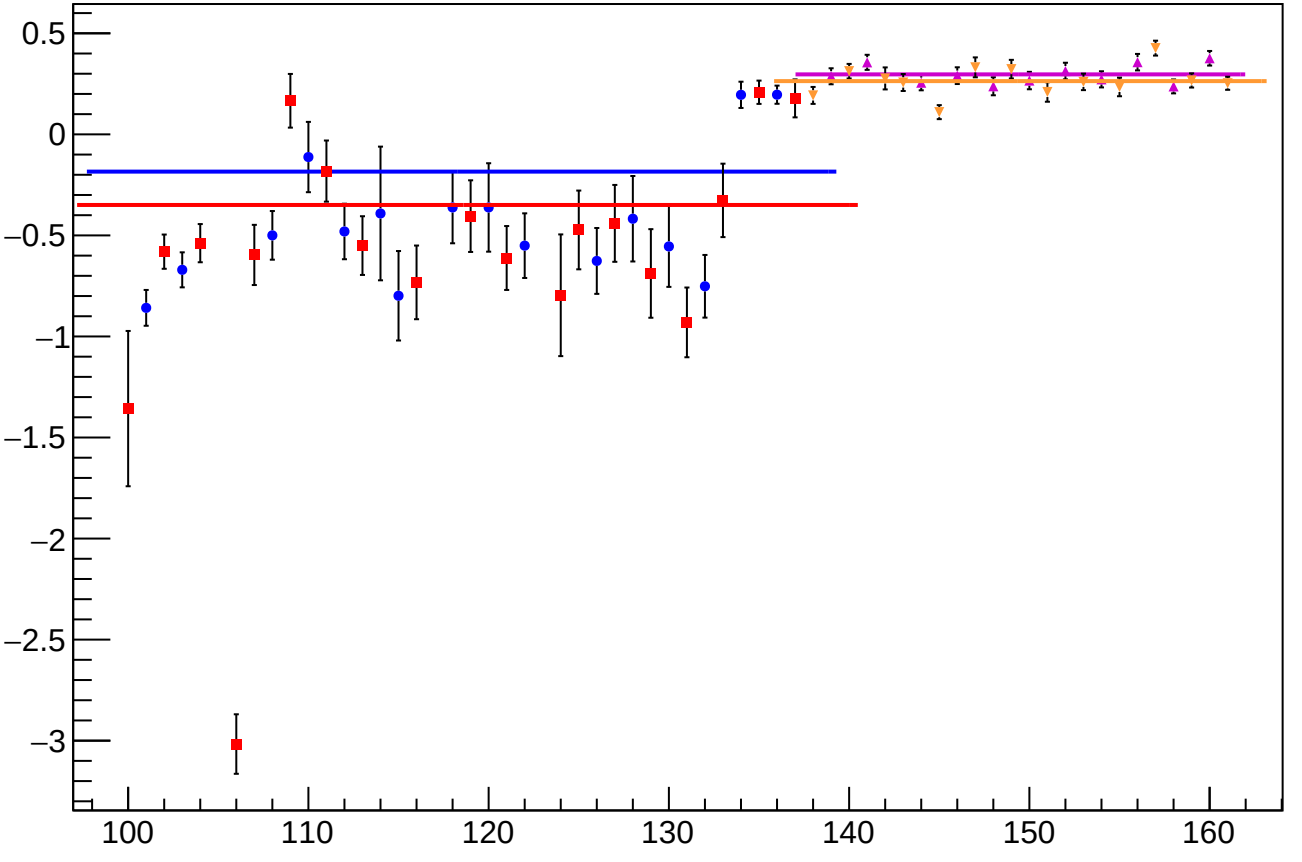
Left In: -13.153+/-0.256 χ^2/NDF:587.3/10

+ sign -12.806+/-0.218 χ^2/NDF: 771.1/28

All: -12.439+/-0.159 χ^2/NDF: 1838.9/58

- sign -12.022+/-0.232 χ^2/NDF: 1061.7/29

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: 0.263+/-0.011 χ^2/NDF:49.3/12

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

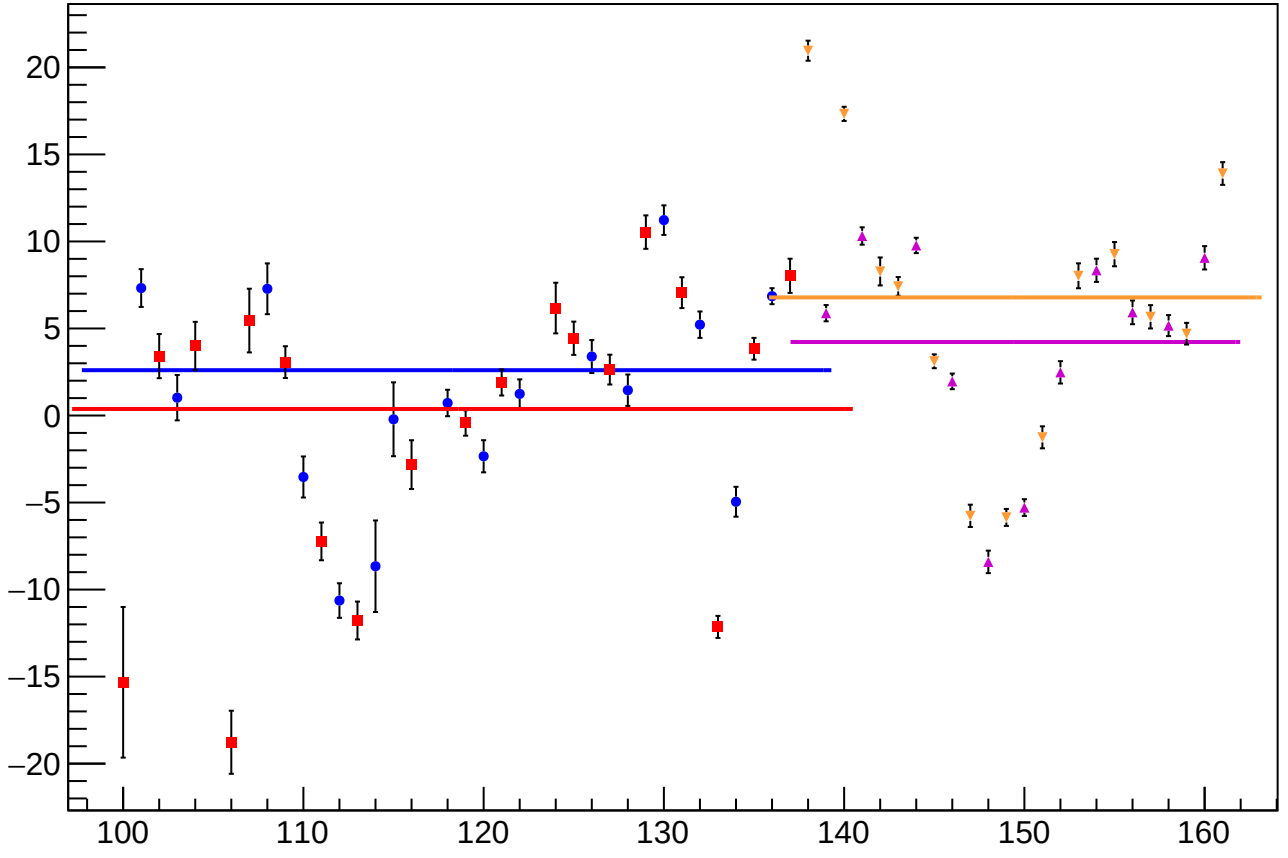
Left In: 0.297+/-0.012 χ^2/NDF:16.7/10

+ sign 0.197+/-0.010 χ^2/NDF: 534.8/28

All: 0.201+/-0.008 χ^2/NDF: 1485.7/58

- sign 0.206+/-0.011 χ^2/NDF: 950.6/29

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: 6.784+/-0.157 χ^2/NDF:2725.2/12

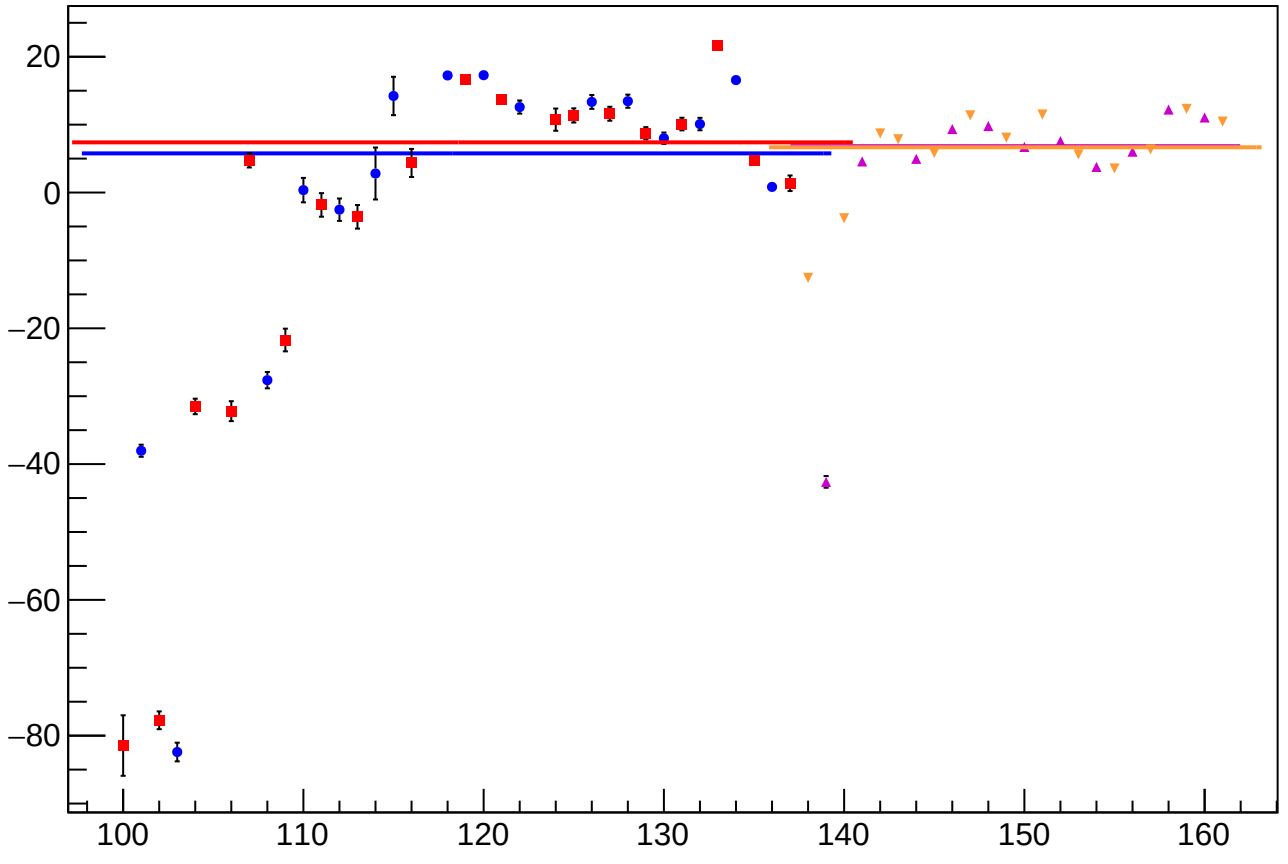
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 4.223+/-0.164 χ^2/NDF:1226.5/10

+ sign 5.410+/-0.129 χ^2/NDF: 3531.9/28

All: 4.172+/-0.092 χ^2/NDF: 6173.7/58

- sign 2.868+/-0.132 χ^2/NDF: 2451.4/29



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.664+/-0.109 χ^2/NDF:2809.7/12

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

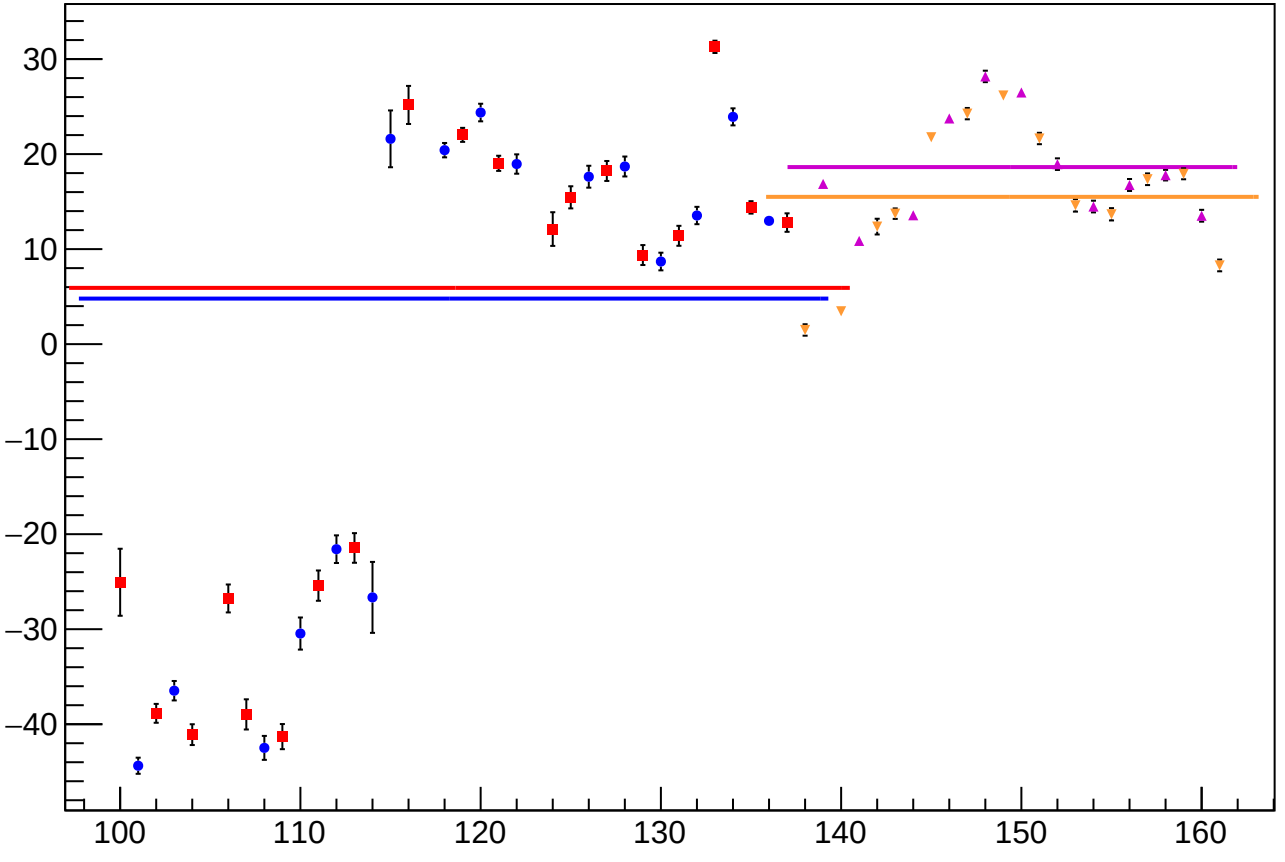
Left In: 6.829+/-0.114 χ^2/NDF:3878.0/10

+ sign 6.473+/-0.097 χ^2/NDF: 11757.9/28

All: 6.708+/-0.070 χ^2/NDF: 24044.3/58

- sign 6.958+/-0.100 χ^2/NDF: 12274.2/29

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: 15.500+/-0.154 χ^2/NDF:2661.9/12

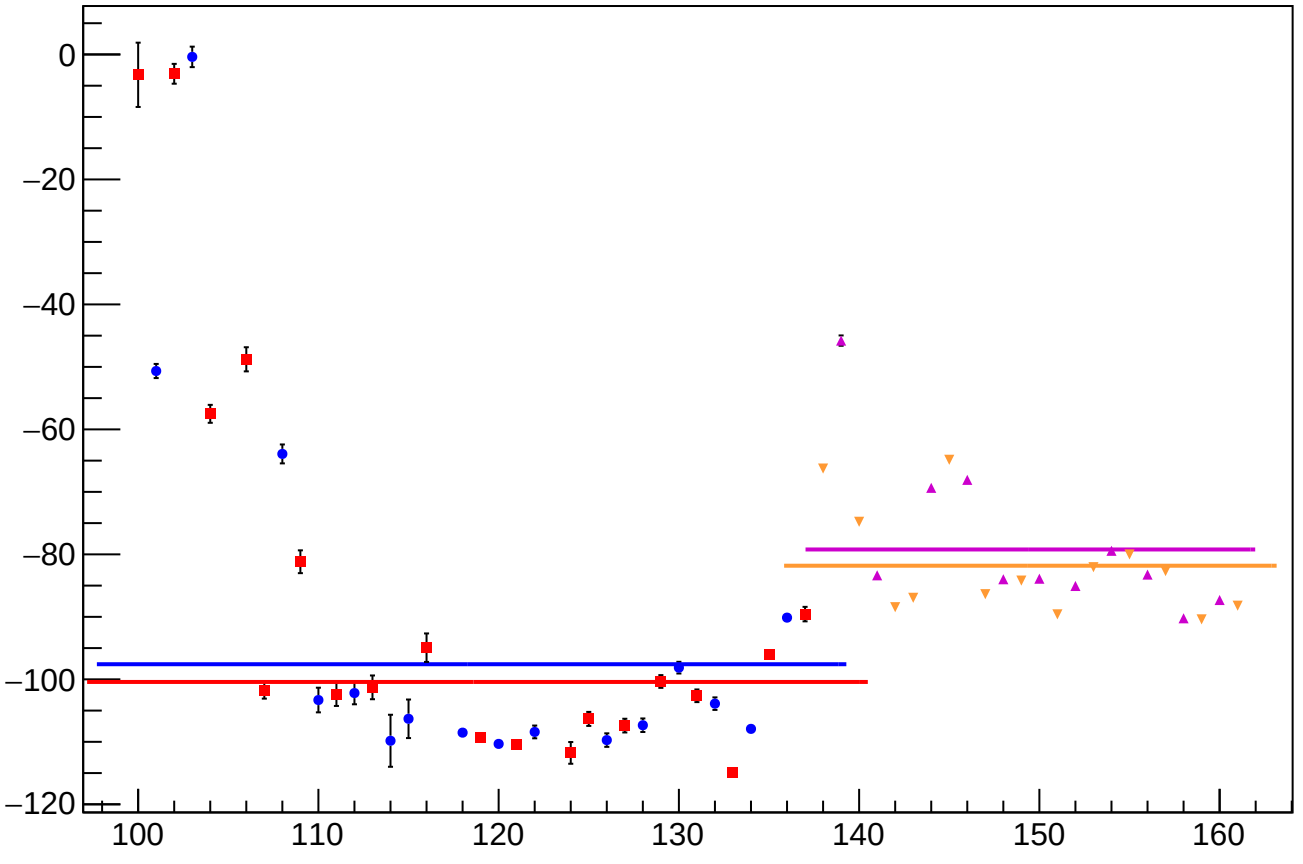
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 18.634+/-0.159 χ^2/NDF:1188.2/10

+ sign 12.343+/-0.129 χ^2/NDF: 13592.8/28

All: 13.516+/-0.092 χ^2/NDF: 26962.1/58

- sign 14.755+/-0.133 χ^2/NDF: 13199.1/29



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -81.817+/-0.129 χ^2/NDF:4135.8/12

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

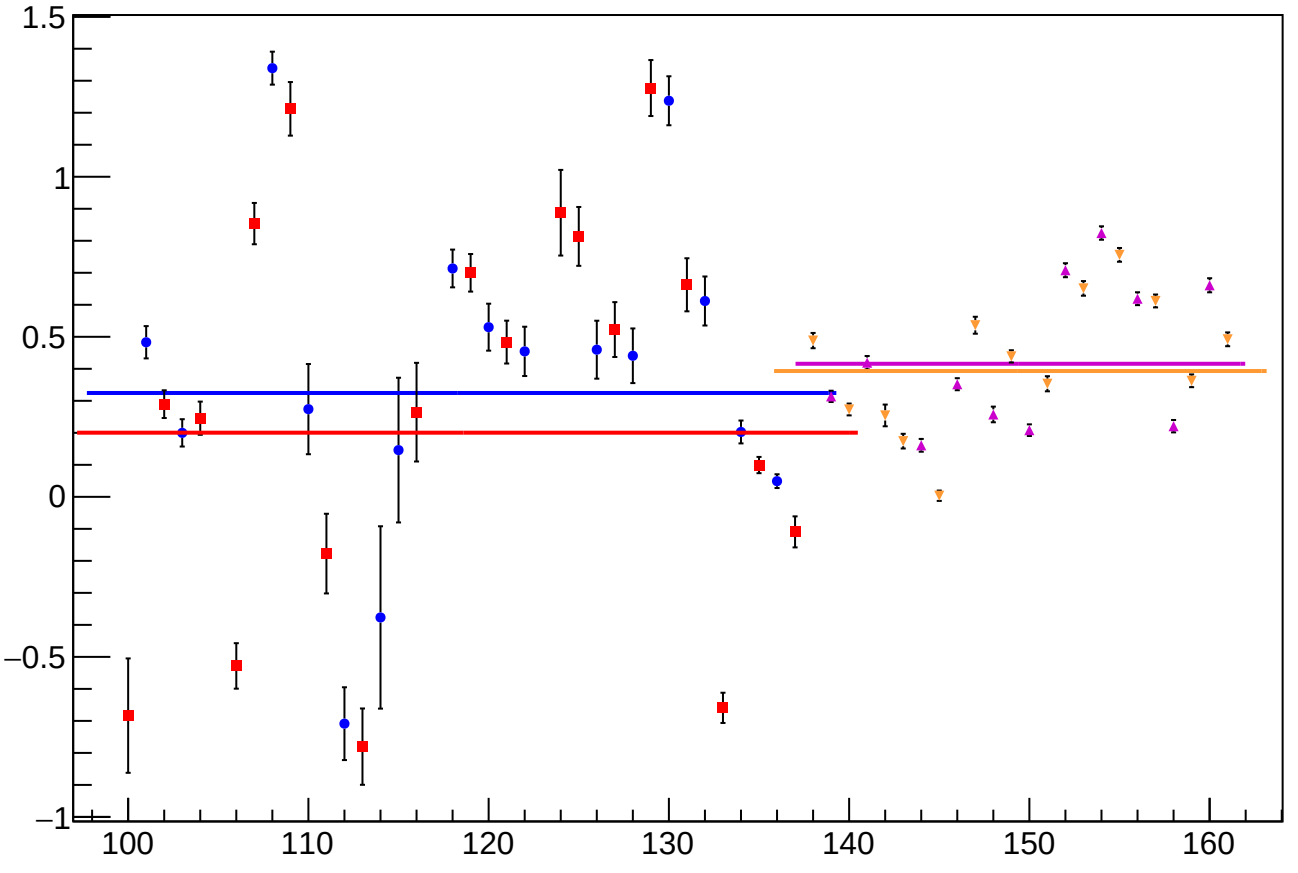
Left In: -79.218+/-0.134 χ^2/NDF:4874.8/10

+ sign -85.303+/-0.114 χ^2/NDF: 14593.5/28

All: -84.779+/-0.082 χ^2/NDF: 32540.6/58

- sign -84.223+/-0.117 χ^2/NDF: 17903.2/29

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: 0.393+/-0.006 χ^2/NDF:1336.3/12

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

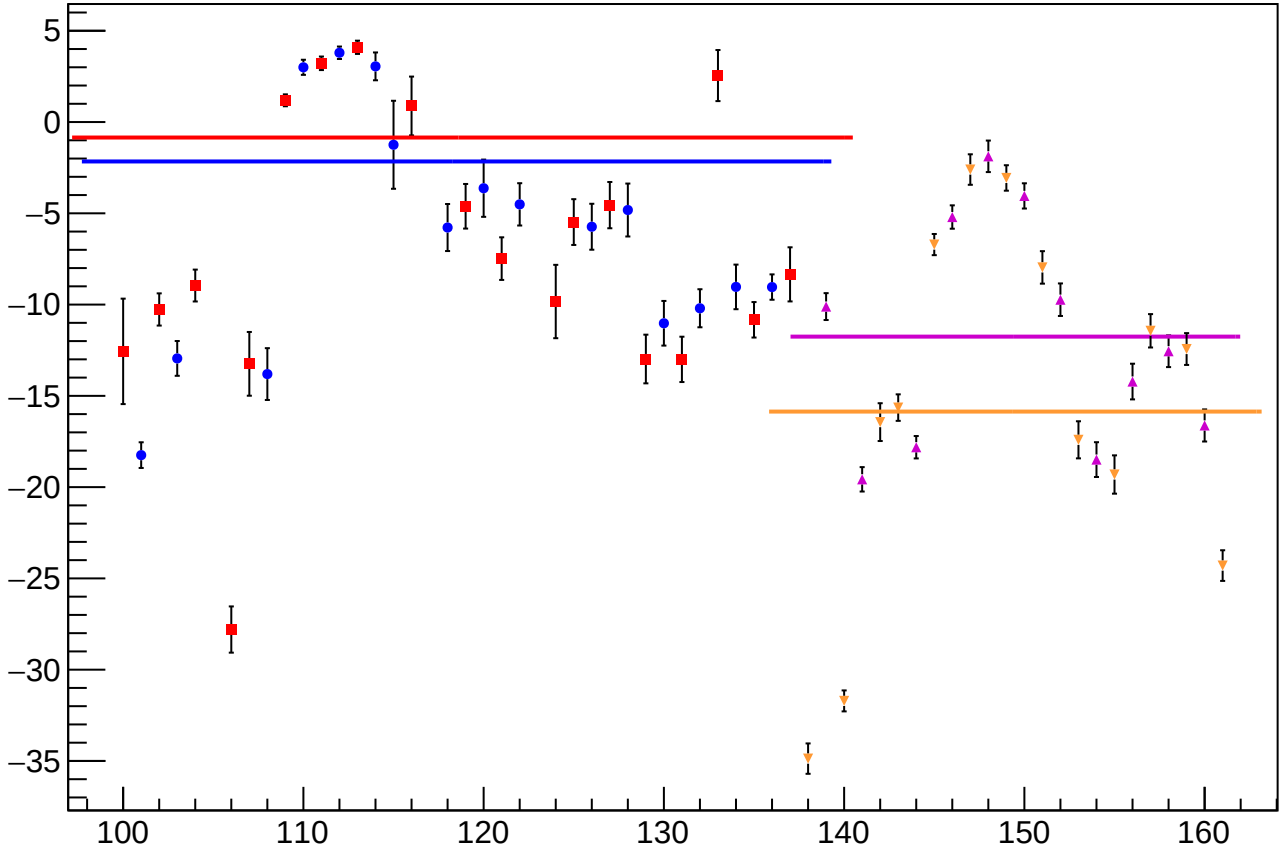
Left In: 0.416+/-0.006 χ^2/NDF:1264.2/10

+ sign 0.382+/-0.005 χ^2/NDF: 2245.0/28

All: 0.381+/-0.004 χ^2/NDF: 4918.3/58

- sign 0.381+/-0.006 χ^2/NDF: 2673.3/29

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -15.861+/-0.219 χ^2/NDF:2353.8/12

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

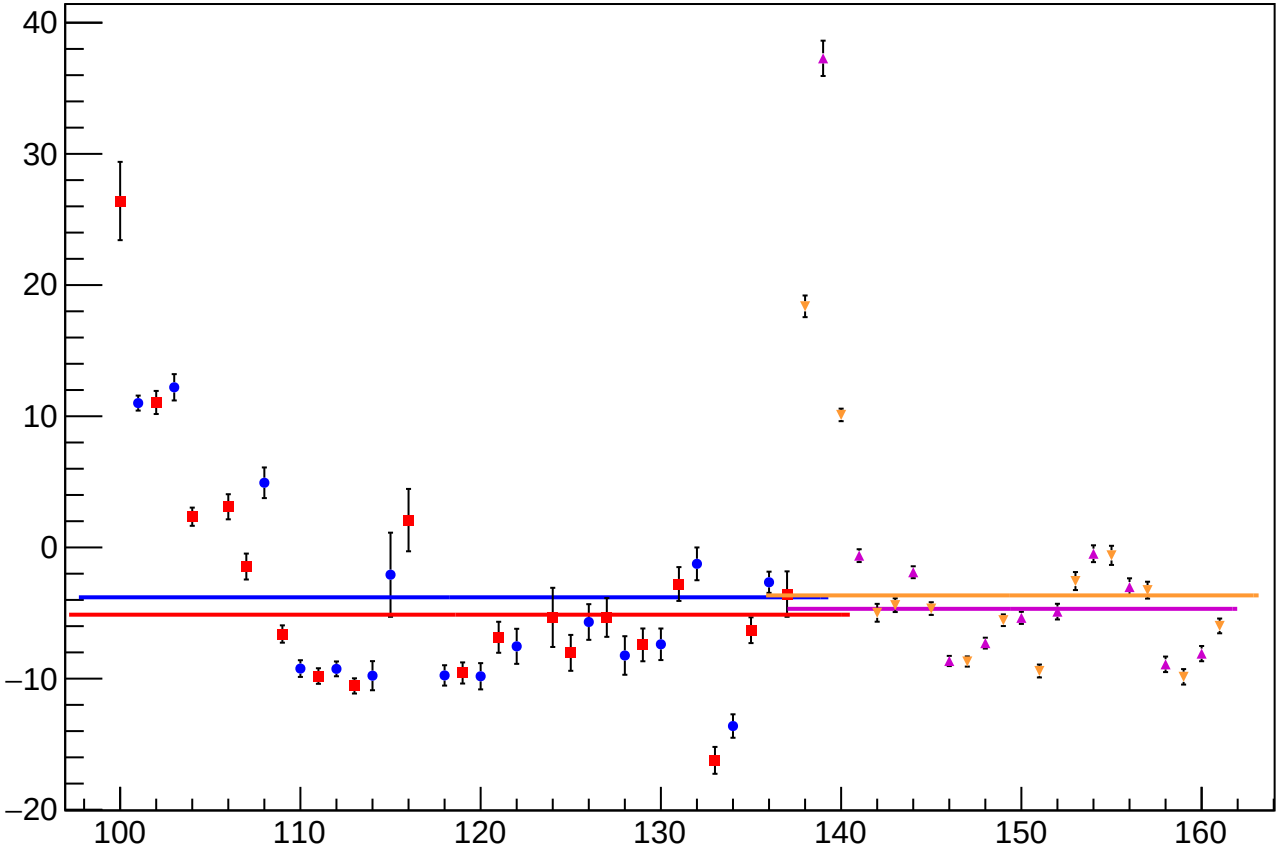
Left In: -11.755+/-0.232 χ^2/NDF:692.3/10

+ sign -8.112+/-0.144 χ^2/NDF: 6057.6/28

All: -6.308+/-0.099 χ^2/NDF: 9951.0/58

- sign -4.678+/-0.137 χ^2/NDF: 3596.3/29

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.655+/-0.150 χ^2/NDF:2023.8/12

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

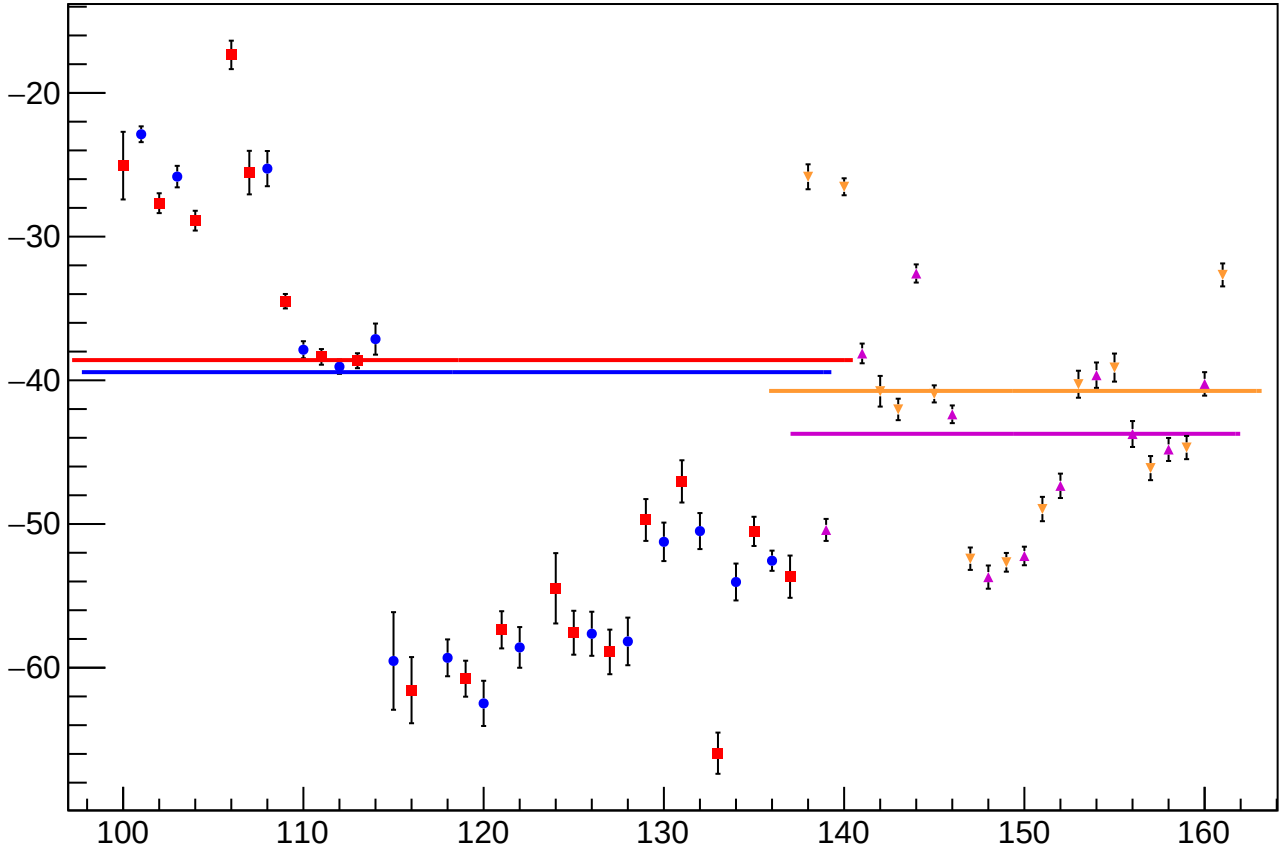
Left In: -4.680+/-0.158 χ^2/NDF:1360.5/10

+ sign -3.700+/-0.125 χ^2/NDF: 3449.6/28

All: -4.253+/-0.090 χ^2/NDF: 5833.4/58

- sign -4.833+/-0.128 χ^2/NDF: 2343.8/29

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -40.738+/-0.214 χ^2/NDF:1700.2/12

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

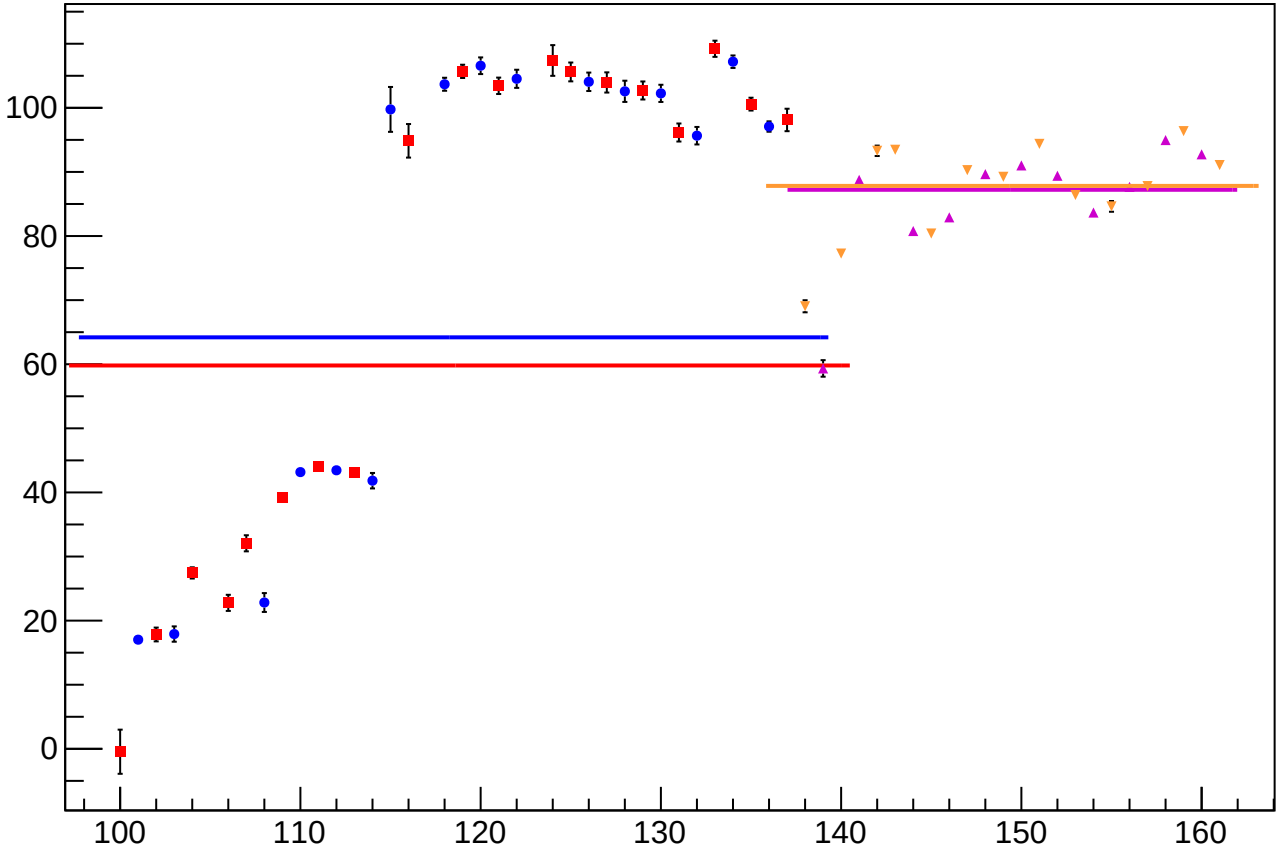
Left In: -43.722+/-0.224 χ^2/NDF:844.0/10

+ sign -40.118+/-0.155 χ^2/NDF: 4675.9/28

All: -40.571+/-0.109 χ^2/NDF: 8584.4/58

- sign -41.018+/-0.154 χ^2/NDF: 3891.6/29

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 87.822+/-0.178 χ^2/NDF:1419.1/12

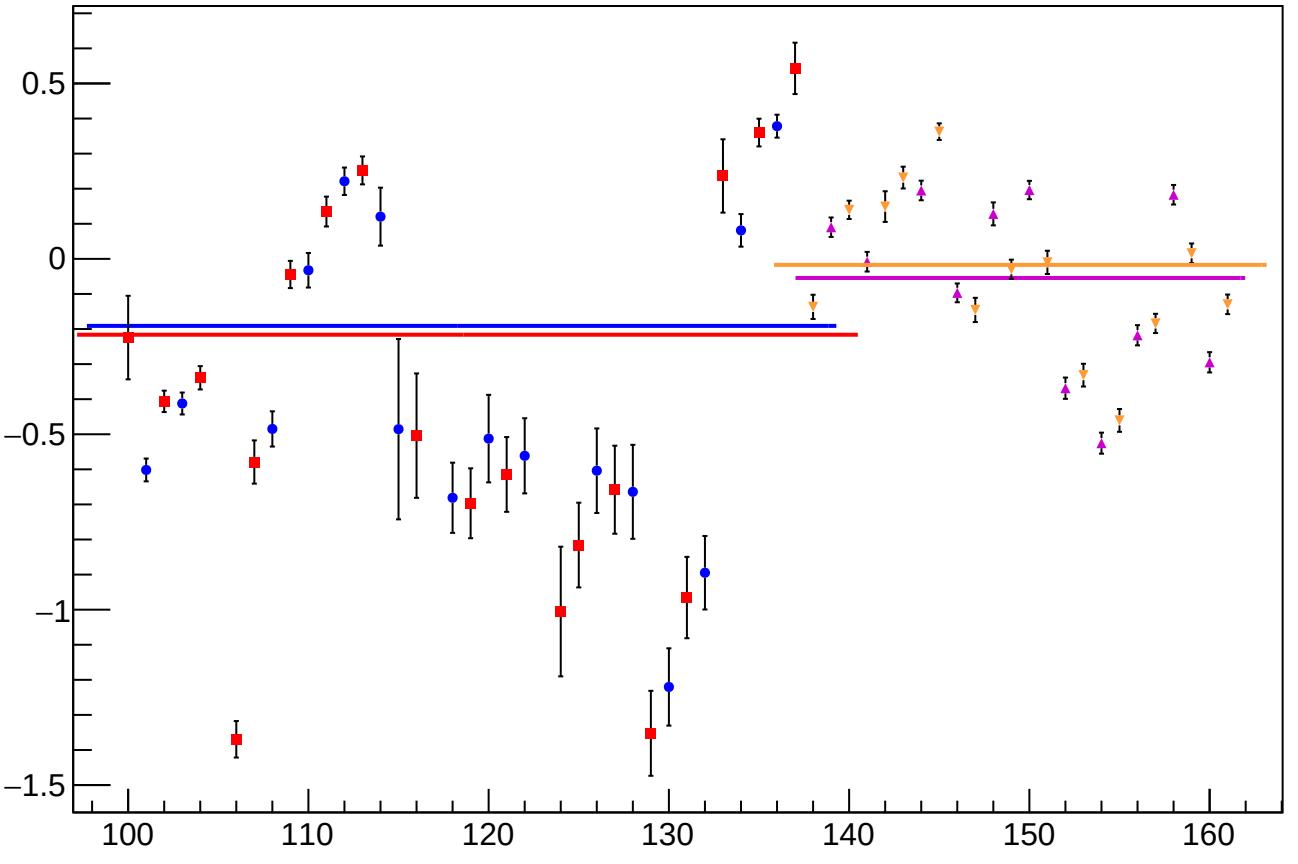
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 87.215+/-0.187 χ^2/NDF:1032.8/10

+ sign 80.167+/-0.147 χ^2/NDF: 25706.0/28

All: 78.775+/-0.105 χ^2/NDF: 52117.4/58

- sign 77.329+/-0.149 χ^2/NDF: 26227.5/29



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.017+/-0.008 χ^2/NDF:735.5/12

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

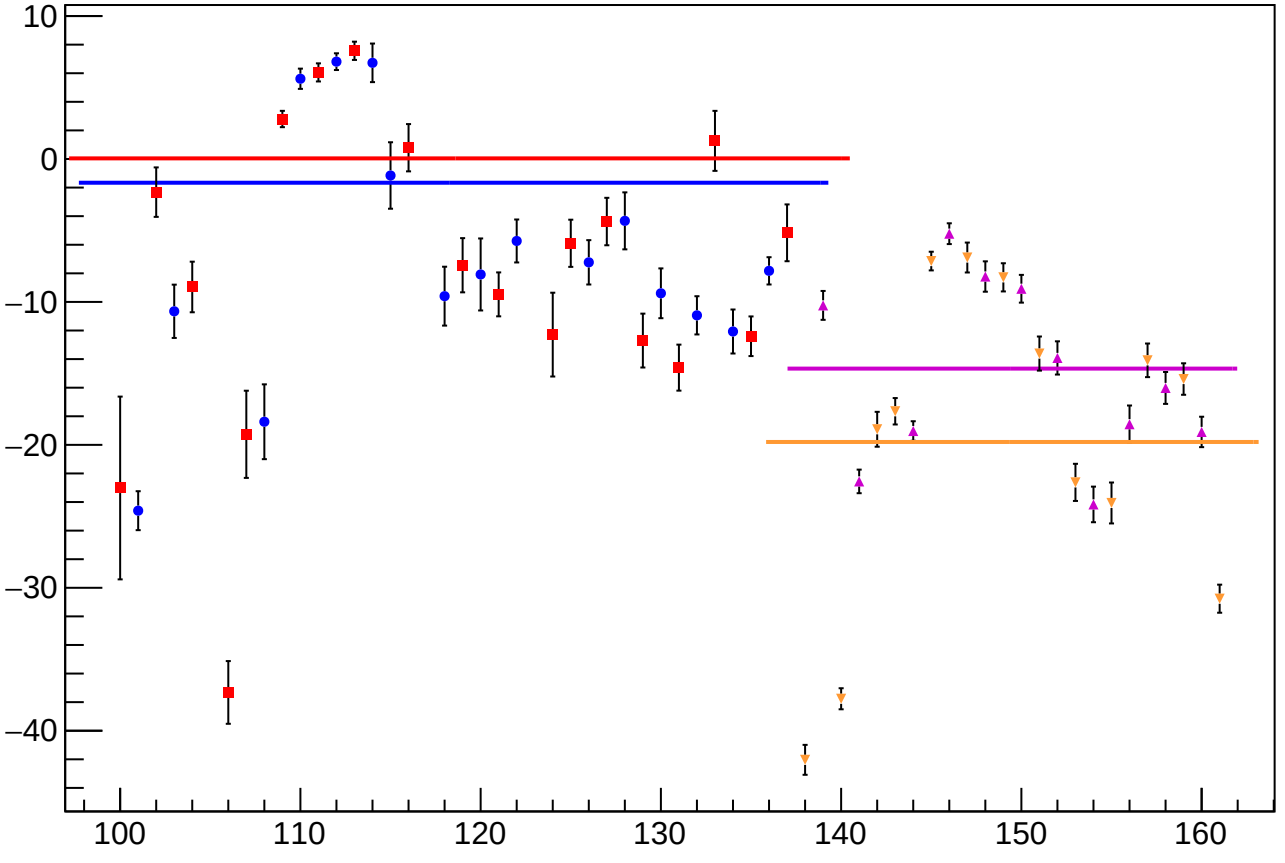
Left In: -0.054+/-0.009 χ^2/NDF:762.7/10

+ sign -0.065+/-0.007 χ^2/NDF: 1775.1/28

All: -0.084+/-0.005 χ^2/NDF: 4029.3/58

- sign -0.104+/-0.007 χ^2/NDF: 2239.3/29

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -19.798+/-0.275 χ^2/NDF:1920.7/12

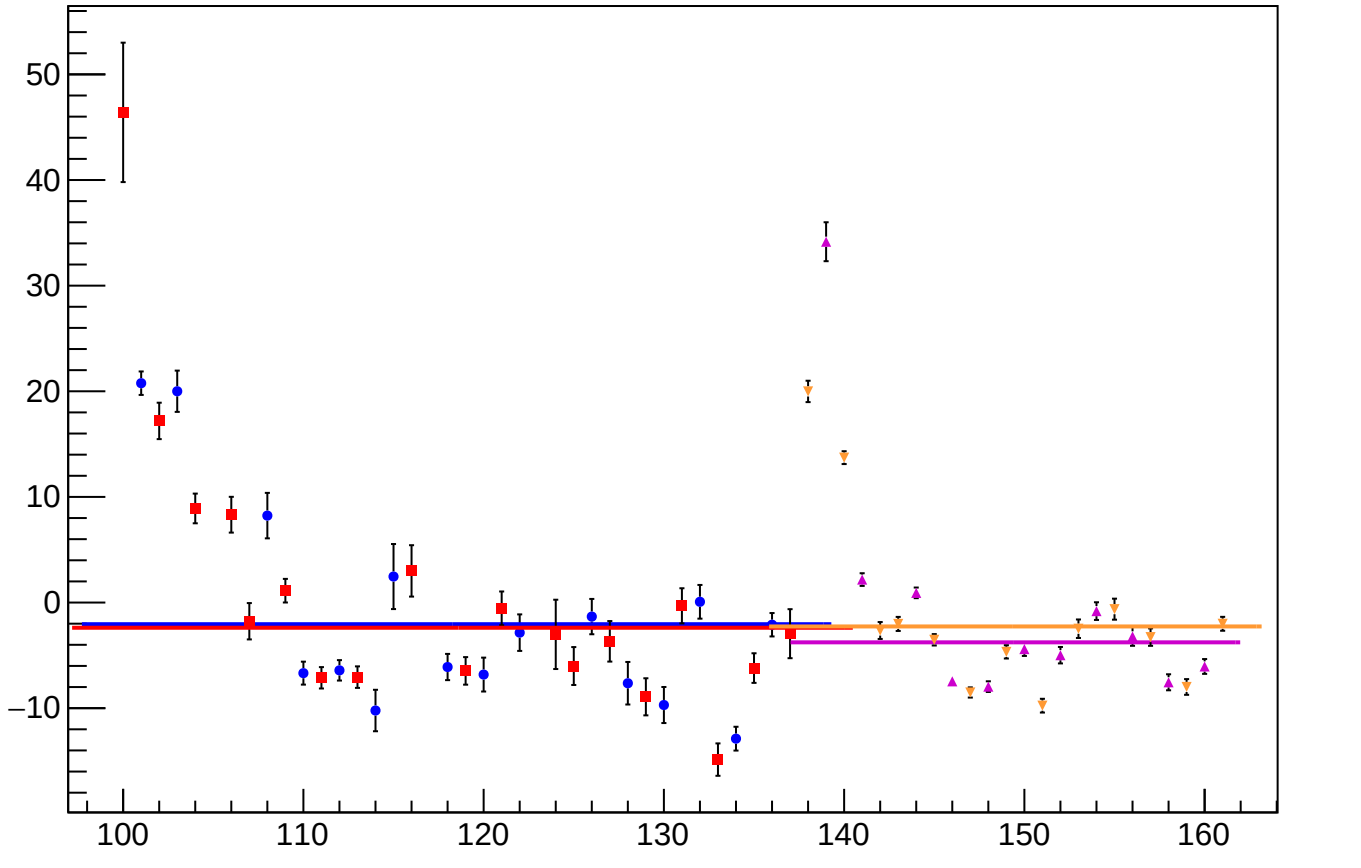
Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -14.665+/-0.288 χ^2/NDF:476.0/10

+ sign -11.764+/-0.205 χ^2/NDF: 4751.8/28

All: -9.422+/-0.144 χ^2/NDF: 7748.7/58

- sign -7.163+/-0.201 χ^2/NDF: 2740.6/29



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -2.263+/-0.189 χ^2/NDF:1559.6/12

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

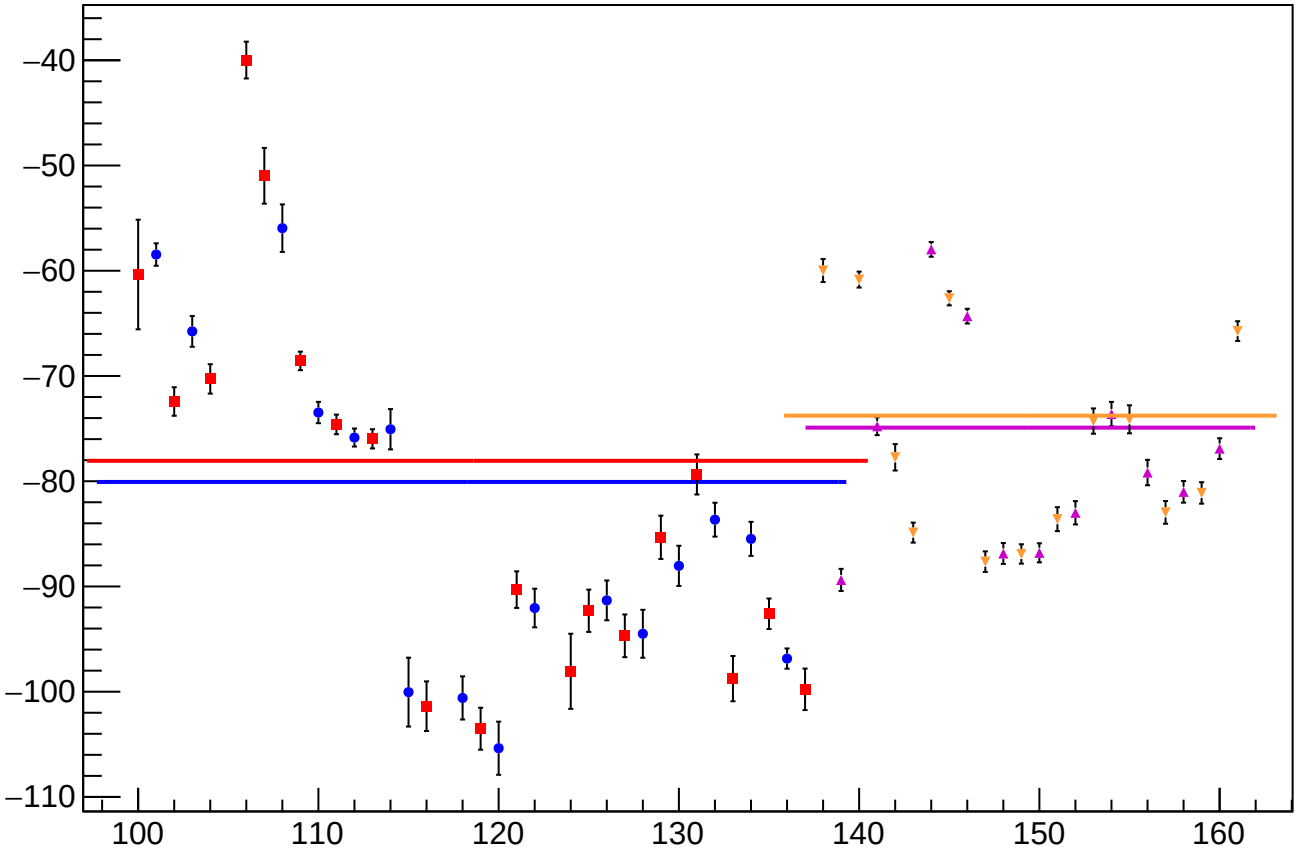
Left In: -3.767+/-0.193 χ^2/NDF:802.2/10

+ sign -2.216+/-0.167 χ^2/NDF: 2331.8/28

All: -2.824+/-0.119 χ^2/NDF: 3623.6/58

- sign -3.452+/-0.170 χ^2/NDF: 1264.8/29

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.769+/-0.270 χ^2/NDF:1551.5/12

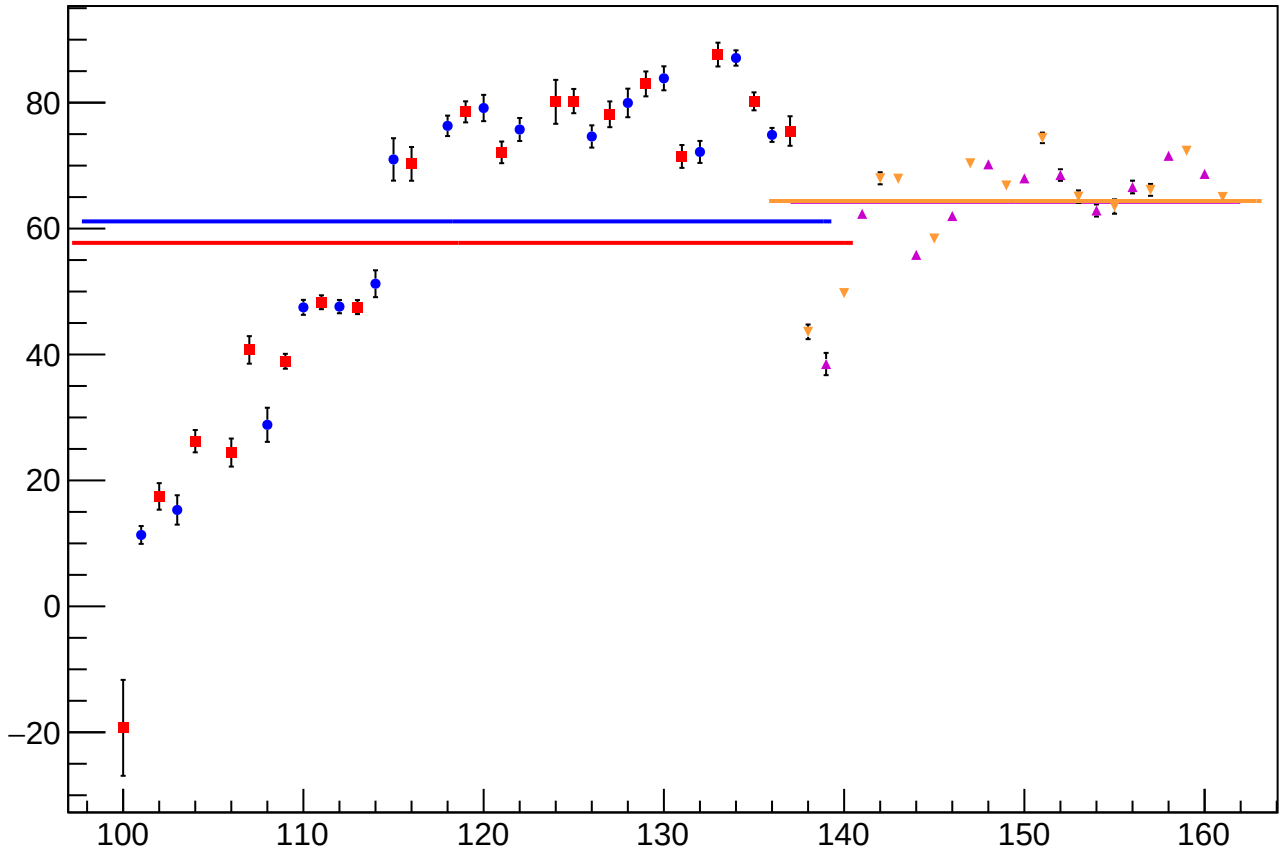
Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -74.909+/-0.279 χ^2/NDF:1420.8/10

+ sign -75.998+/-0.217 χ^2/NDF: 3131.8/28

All: -76.059+/-0.154 χ^2/NDF: 6162.9/58

- sign -76.121+/-0.219 χ^2/NDF: 3030.9/29



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 64.378+/-0.224 χ^2/NDF:1192.3/12

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

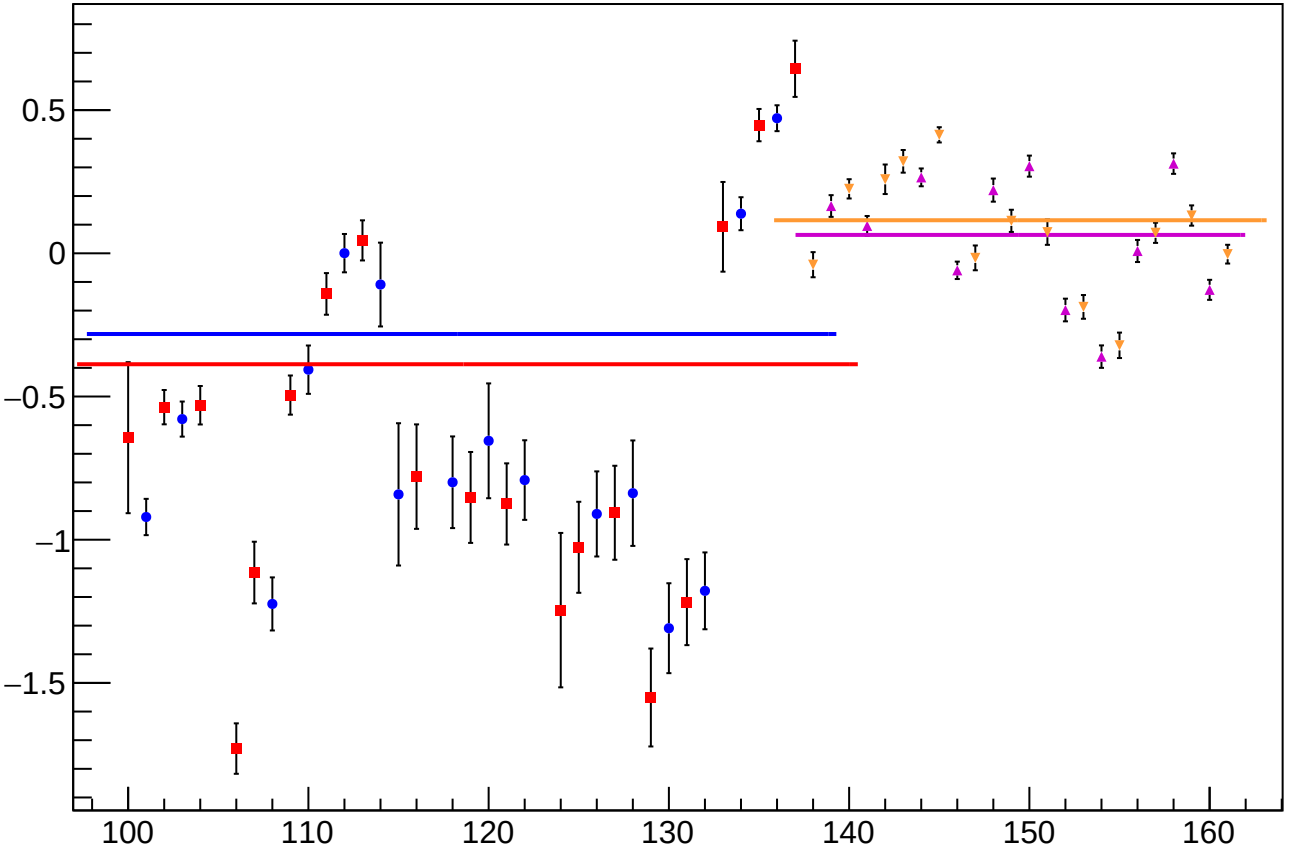
Left In: 64.245+/-0.230 χ^2/NDF:683.8/10

\+ sign 63.608+/-0.195 χ^2/NDF: 4471.4/28

All: 63.127+/-0.140 χ^2/NDF: 8142.7/58

\- sign 62.627+/-0.199 χ^2/NDF: 3658.9/29

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.115+/-0.010 χ^2/NDF:358.2/12

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

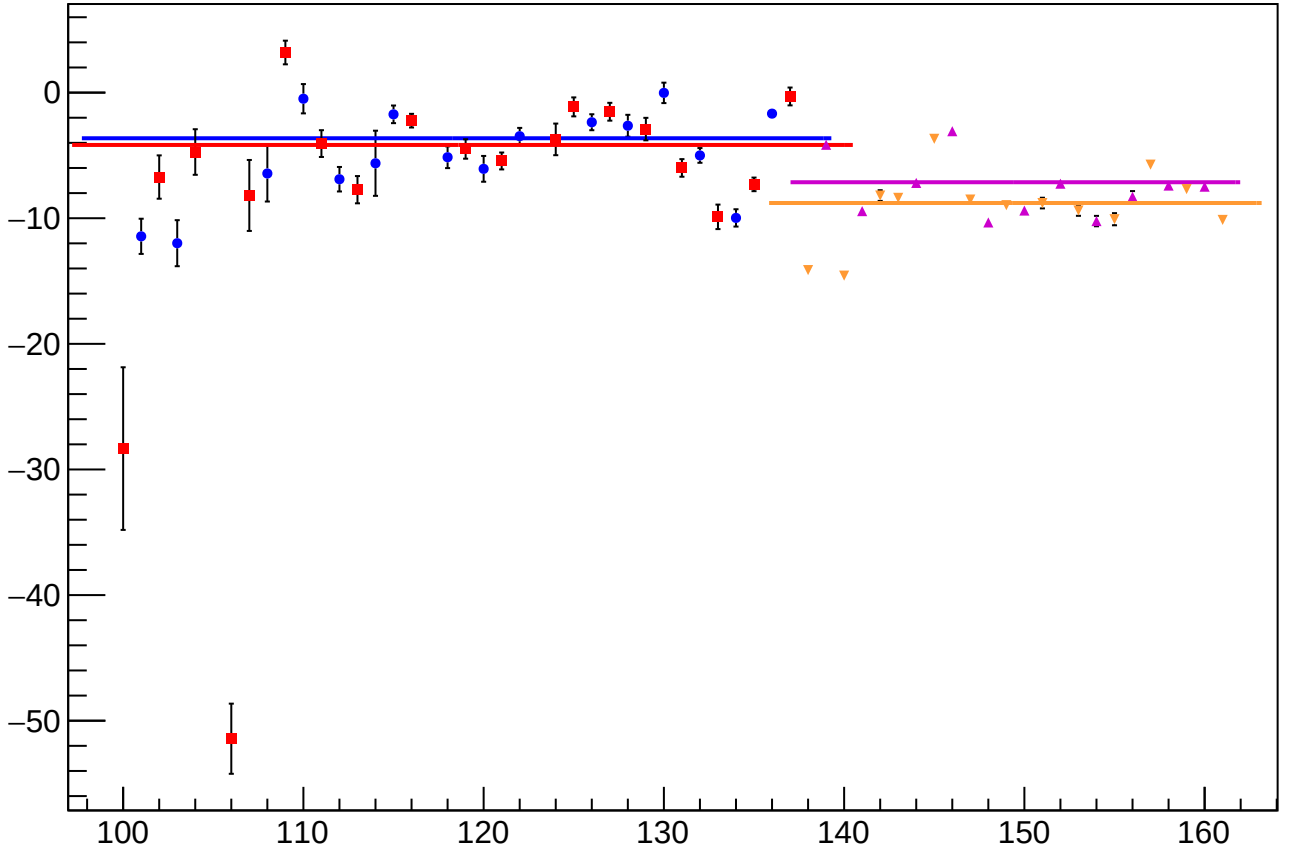
Left In: 0.064+/-0.011 χ^2/NDF:365.7/10

+ sign 0.040+/-0.009 χ^2/NDF: 1359.8/28

All: 0.009+/-0.007 χ^2/NDF: 2908.8/58

- sign -0.024+/-0.010 χ^2/NDF: 1526.1/29

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.787+/-0.094 χ^2/NDF:1365.2/12

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

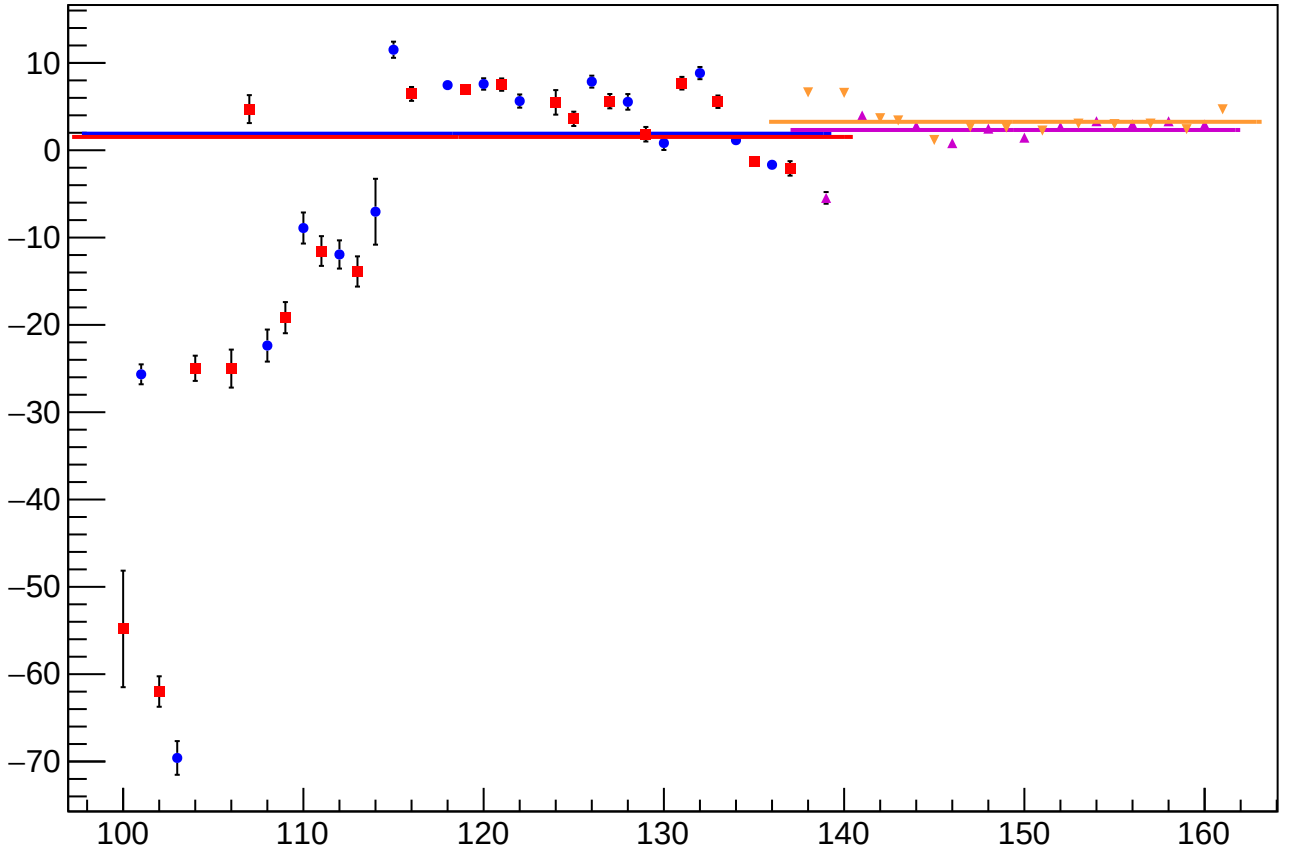
Left In: -7.135+/-0.097 χ^2/NDF:620.4/10

+ sign -7.772+/-0.084 χ^2/NDF: 2196.8/28

All: -7.193+/-0.061 χ^2/NDF: 3625.1/58

- sign -6.566+/-0.087 χ^2/NDF: 1329.0/29

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.258+/-0.065 χ^2/NDF:568.6/12

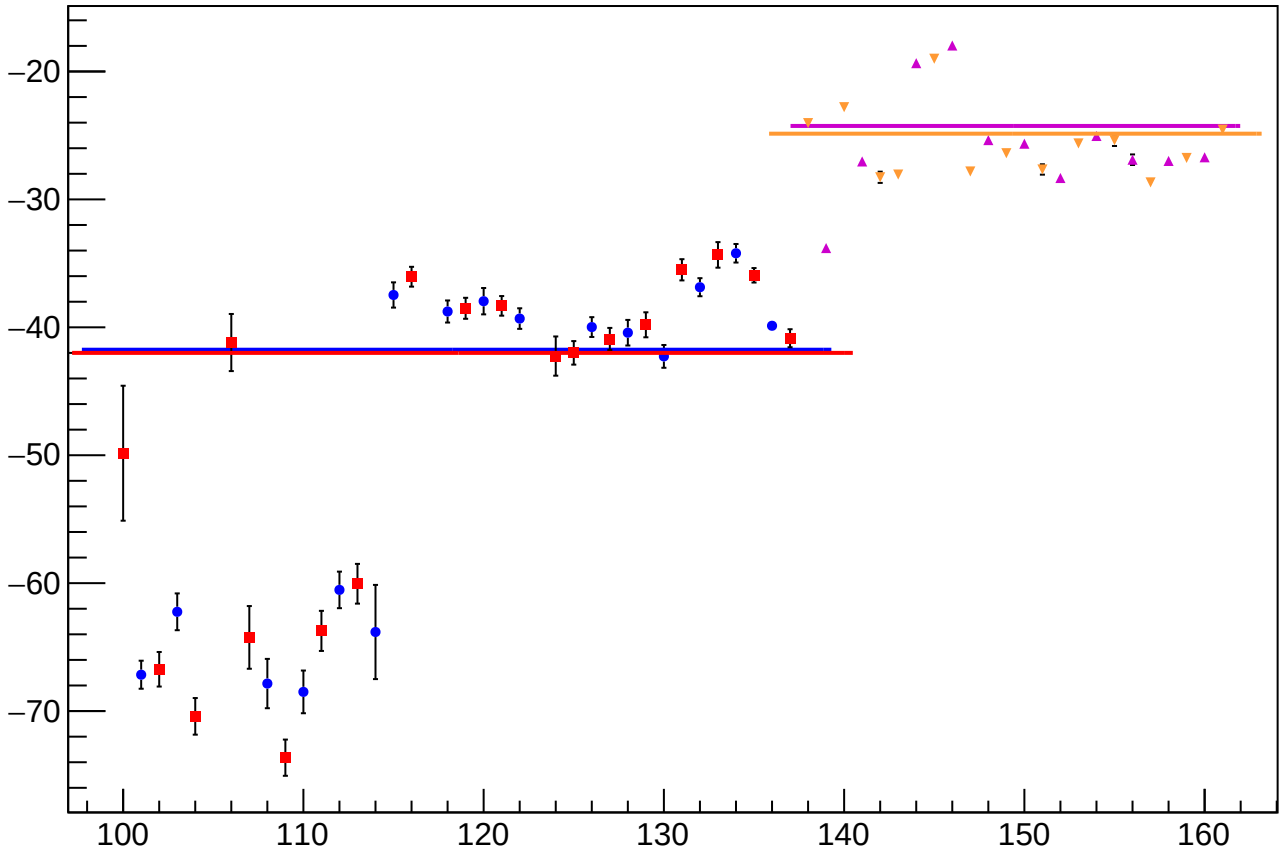
Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 2.321+/-0.065 χ^2/NDF:379.9/10

+ sign 3.116+/-0.061 χ^2/NDF: 3453.1/28

All: 2.689+/-0.044 χ^2/NDF: 6504.7/58

- sign 2.251+/-0.062 χ^2/NDF: 2953.0/29



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.862+/-0.092 χ^2/NDF:1210.9/12

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

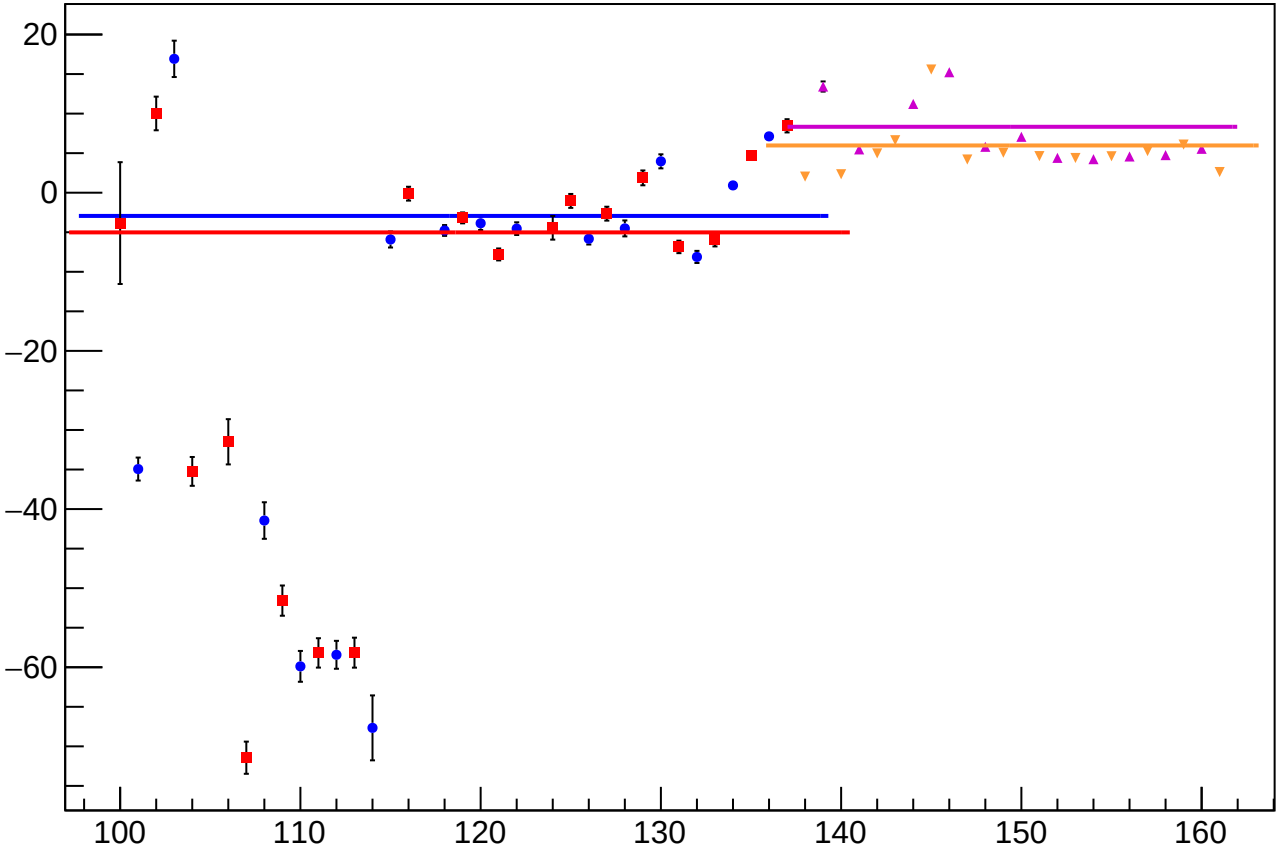
Left In: -24.257+/-0.094 χ^2/NDF:2259.8/10

+ sign -27.629+/-0.084 χ^2/NDF: 8377.3/28

All: -27.250+/-0.060 χ^2/NDF: 17825.5/58

- sign -26.842+/-0.087 χ^2/NDF: 9405.9/29

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 5.973+/-0.076 χ^2/NDF:2906.8/12

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

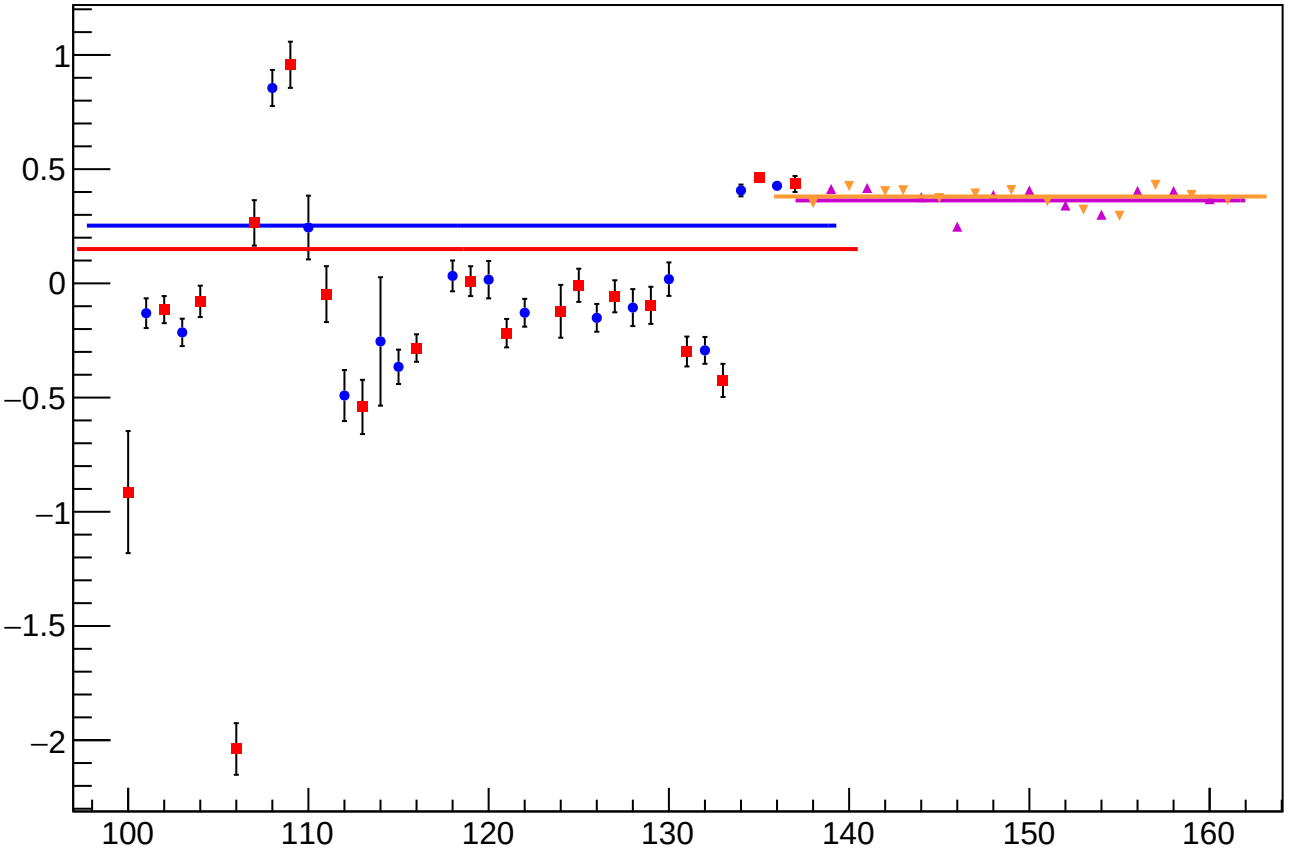
Left In: 8.333+/-0.077 χ^2/NDF:2889.3/10

+ sign 4.935+/-0.072 χ^2/NDF: 8227.6/28

All: 5.943+/-0.051 χ^2/NDF: 18886.5/58

- sign 6.999+/-0.073 χ^2/NDF: 10252.7/29

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.380+/-0.004 χ^2/NDF:101.9/12

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

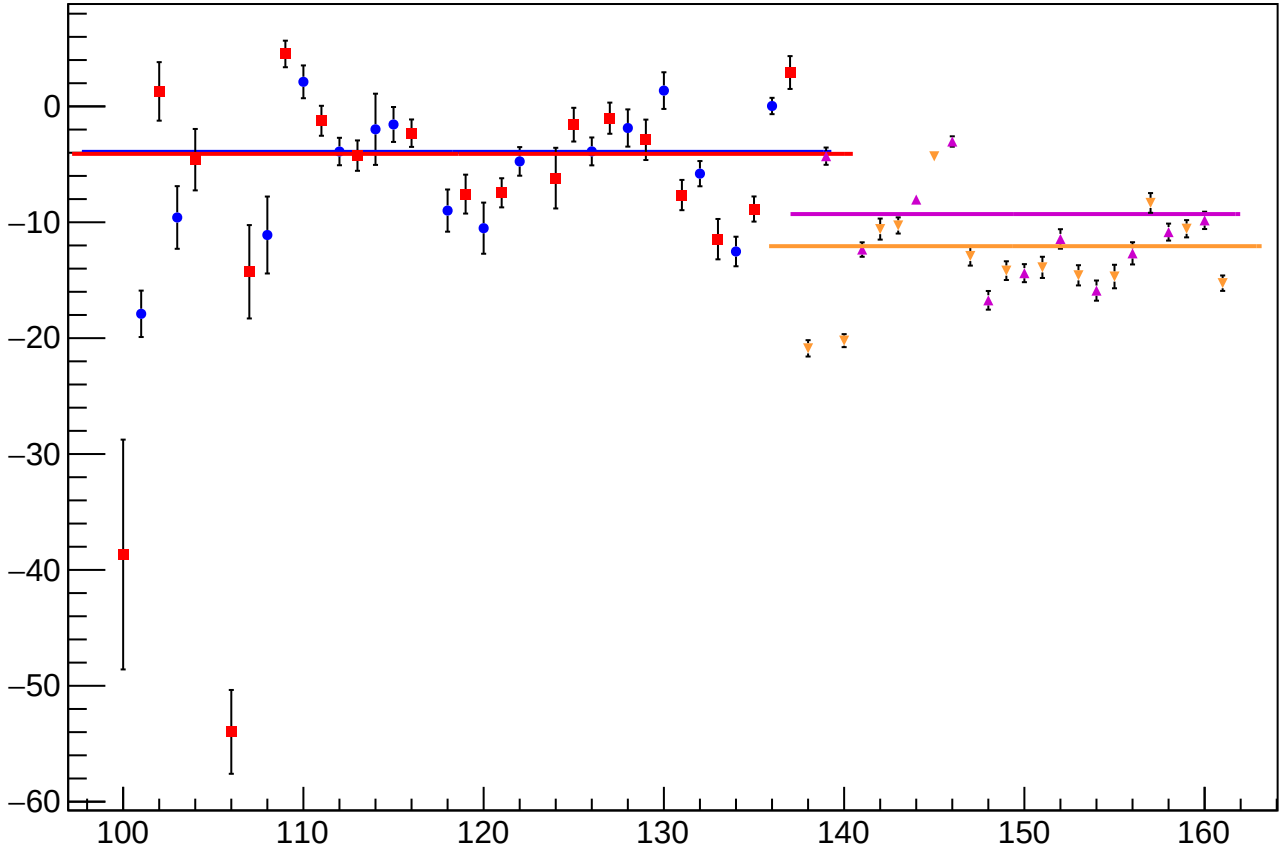
Left In: 0.363+/-0.004 χ^2/NDF:239.5/10

+ sign 0.369+/-0.003 χ^2/NDF: 845.8/28

All: 0.359+/-0.002 χ^2/NDF: 2358.1/58

- sign 0.348+/-0.004 χ^2/NDF: 1494.0/29

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.063+/-0.193 χ^2/NDF:837.2/12

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

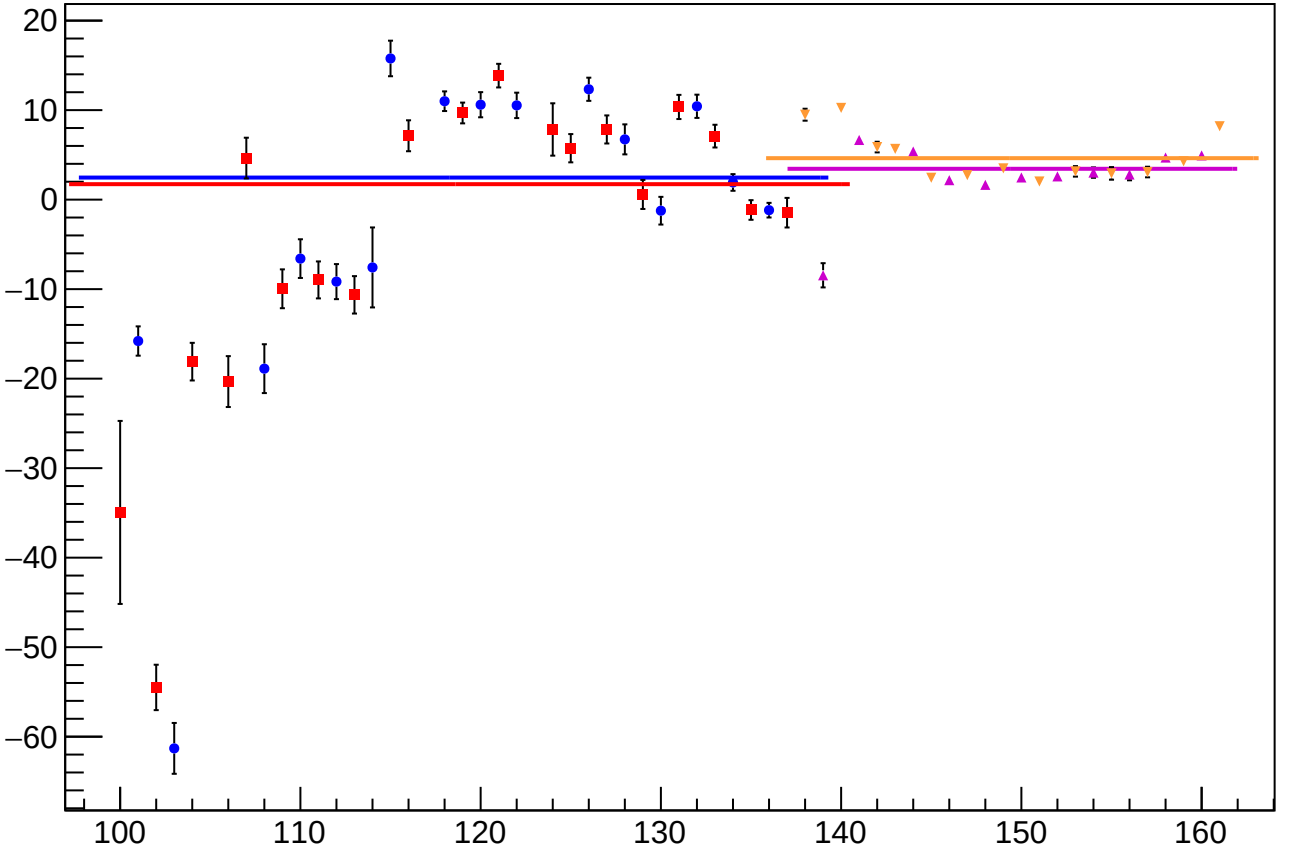
Left In: -9.292+/-0.198 χ^2/NDF:483.0/10

+ sign -10.129+/-0.169 χ^2/NDF: 1447.8/28

All: -9.126+/-0.121 χ^2/NDF: 2532.5/58

- sign -8.065+/-0.173 χ^2/NDF: 1011.9/29

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.632+/-0.135 χ^2/NDF:397.5/12

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

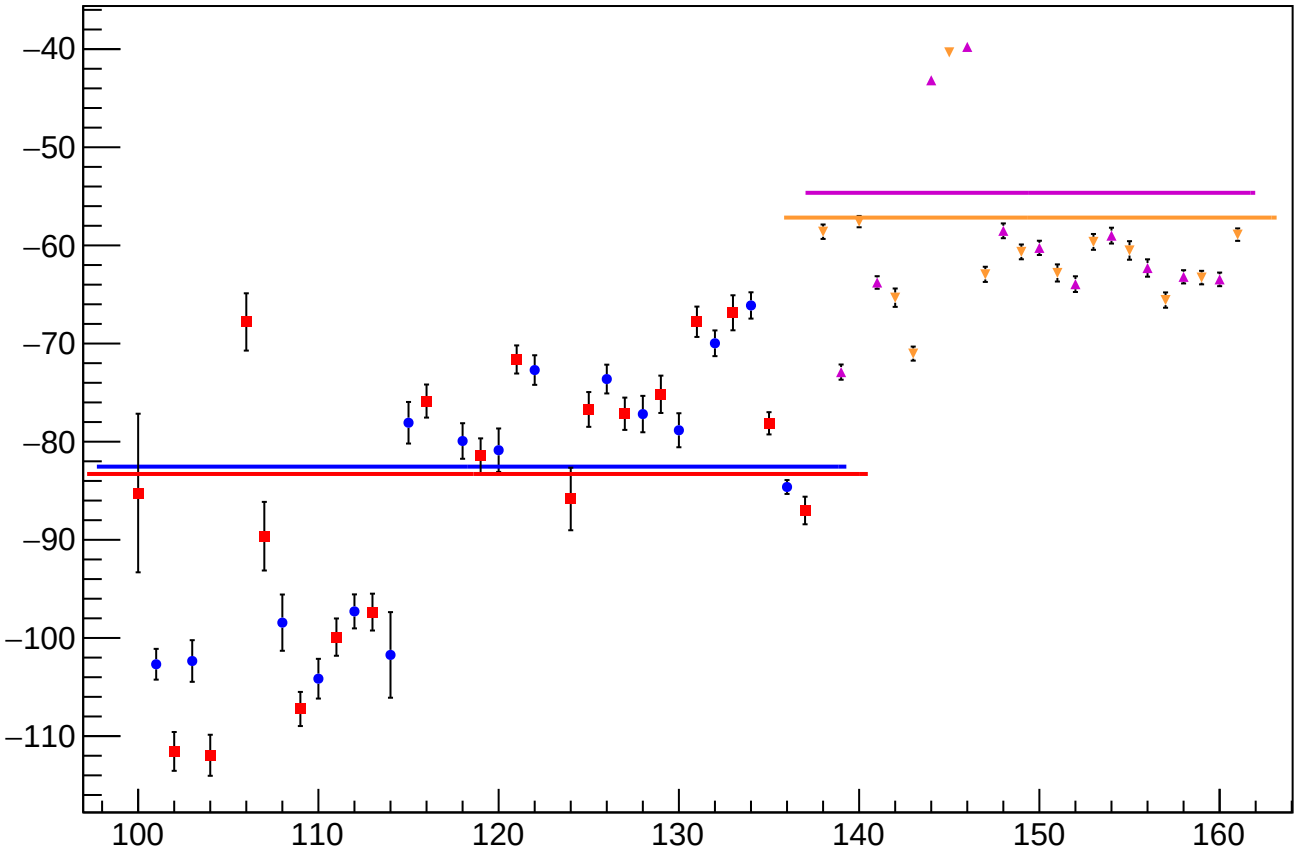
Left In: 3.445+/-0.132 χ^2/NDF:233.0/10

+ sign 4.362+/-0.126 χ^2/NDF: 1476.5/28

All: 3.810+/-0.089 χ^2/NDF: 2748.4/58

- sign 3.264+/-0.125 χ^2/NDF: 1233.8/29

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -57.166+/-0.190 χ^2/NDF:2512.6/12

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

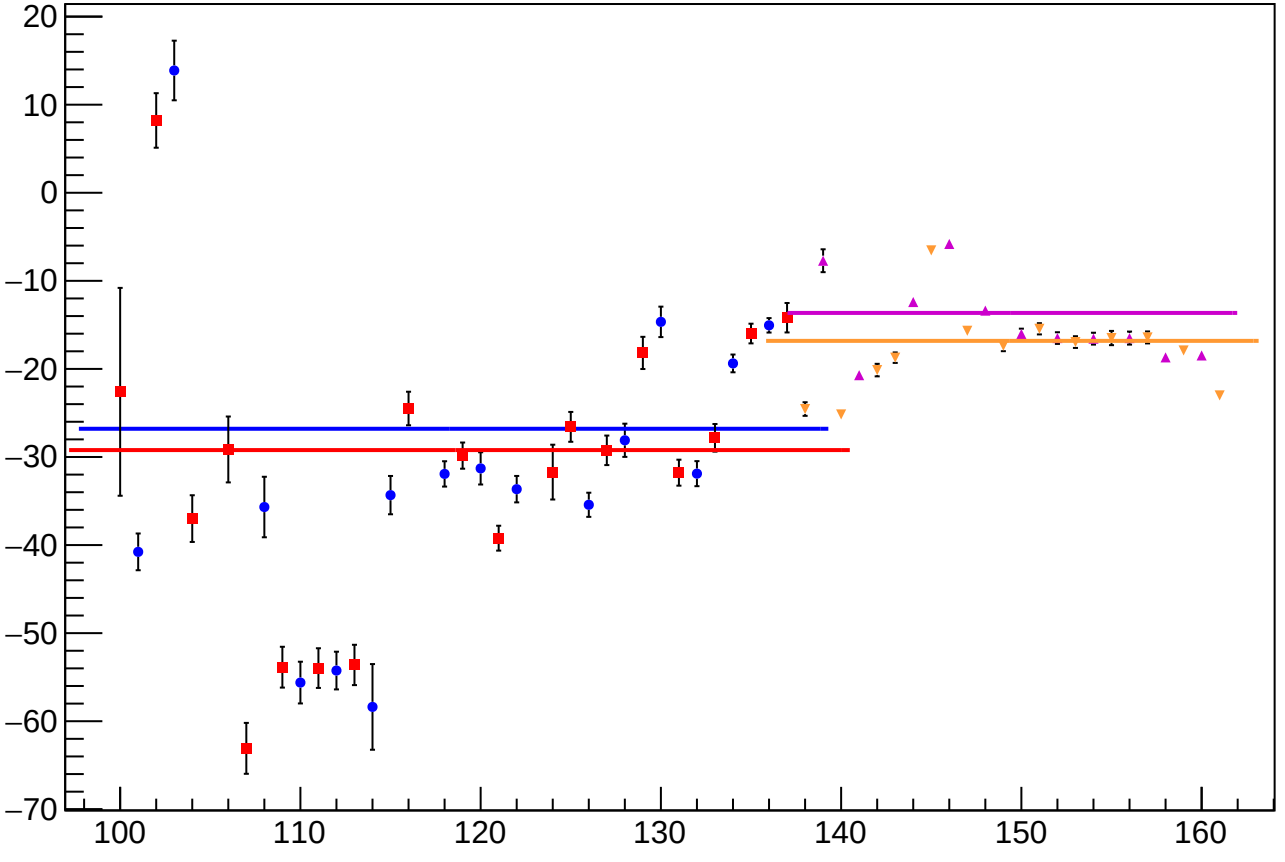
Left In: -54.641+/-0.193 χ^2/NDF:3262.0/10

+ sign -62.164+/-0.171 χ^2/NDF: 6852.5/28

All: -60.989+/-0.122 χ^2/NDF: 15234.0/58

- sign -59.752+/-0.175 χ^2/NDF: 8284.1/29

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -16.815+/-0.158 χ^2/NDF:1324.8/12

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

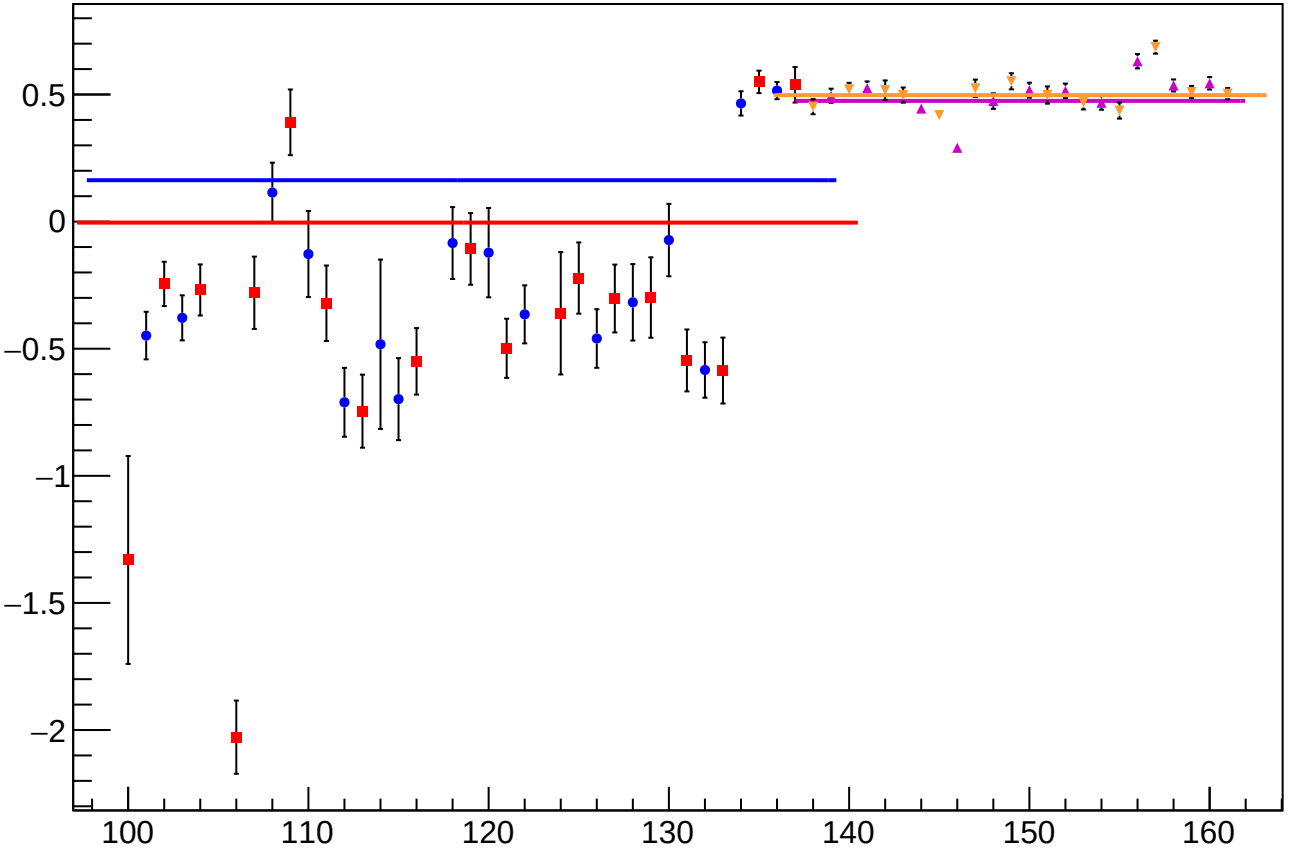
Left In: -13.643+/-0.158 χ^2/NDF:1002.0/10

+ sign -18.195+/-0.147 χ^2/NDF: 2836.8/28

All: -16.852+/-0.104 χ^2/NDF: 6118.2/58

- sign -15.486+/-0.148 χ^2/NDF: 3113.2/29

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.497+/-0.007 χ^2/NDF:90.6/12

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

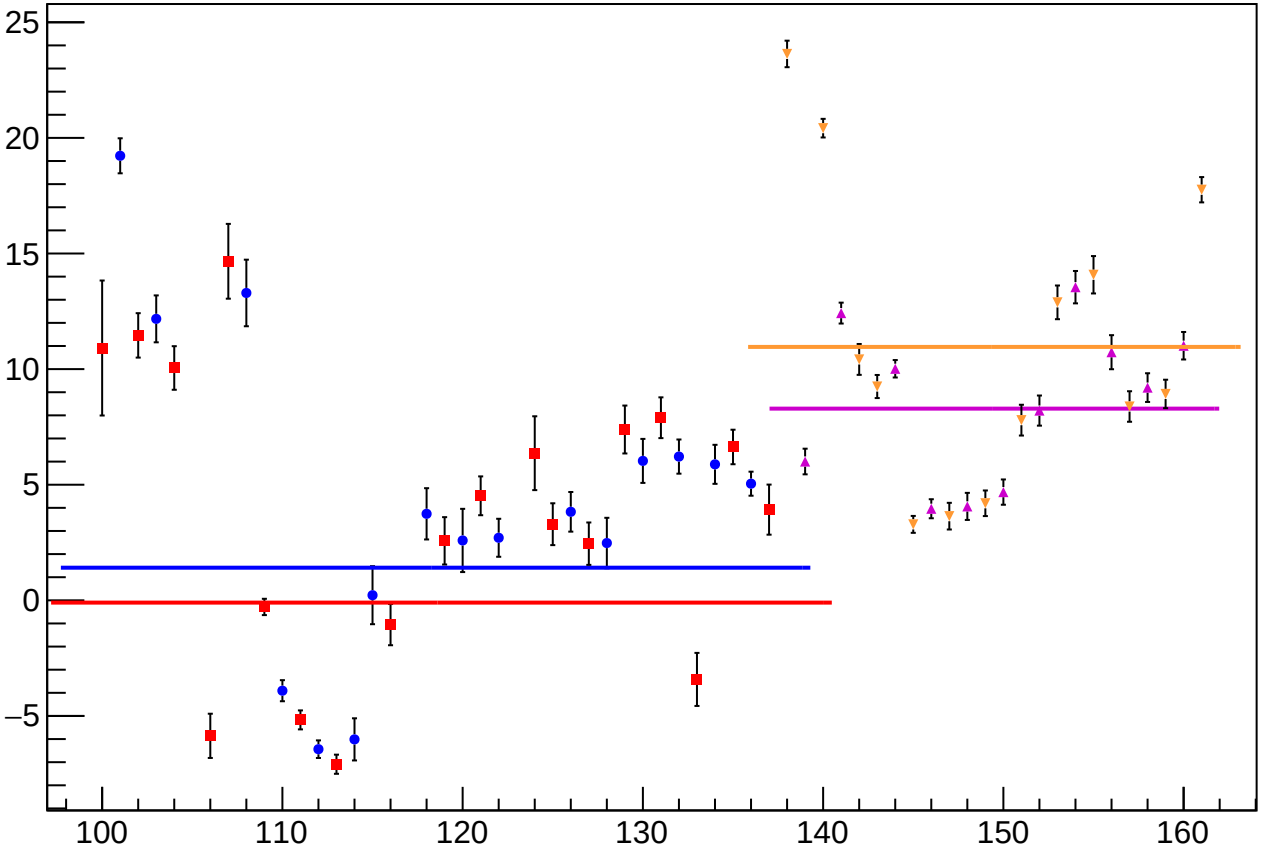
Left In: 0.475+/-0.008 χ^2/NDF:152.9/10

+ sign 0.462+/-0.007 χ^2/NDF: 731.9/28

All: 0.448+/-0.005 χ^2/NDF: 1817.9/58

- sign 0.433+/-0.007 χ^2/NDF: 1077.6/29

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: 10.960+/-0.152 χ^2/NDF:2028.5/12

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

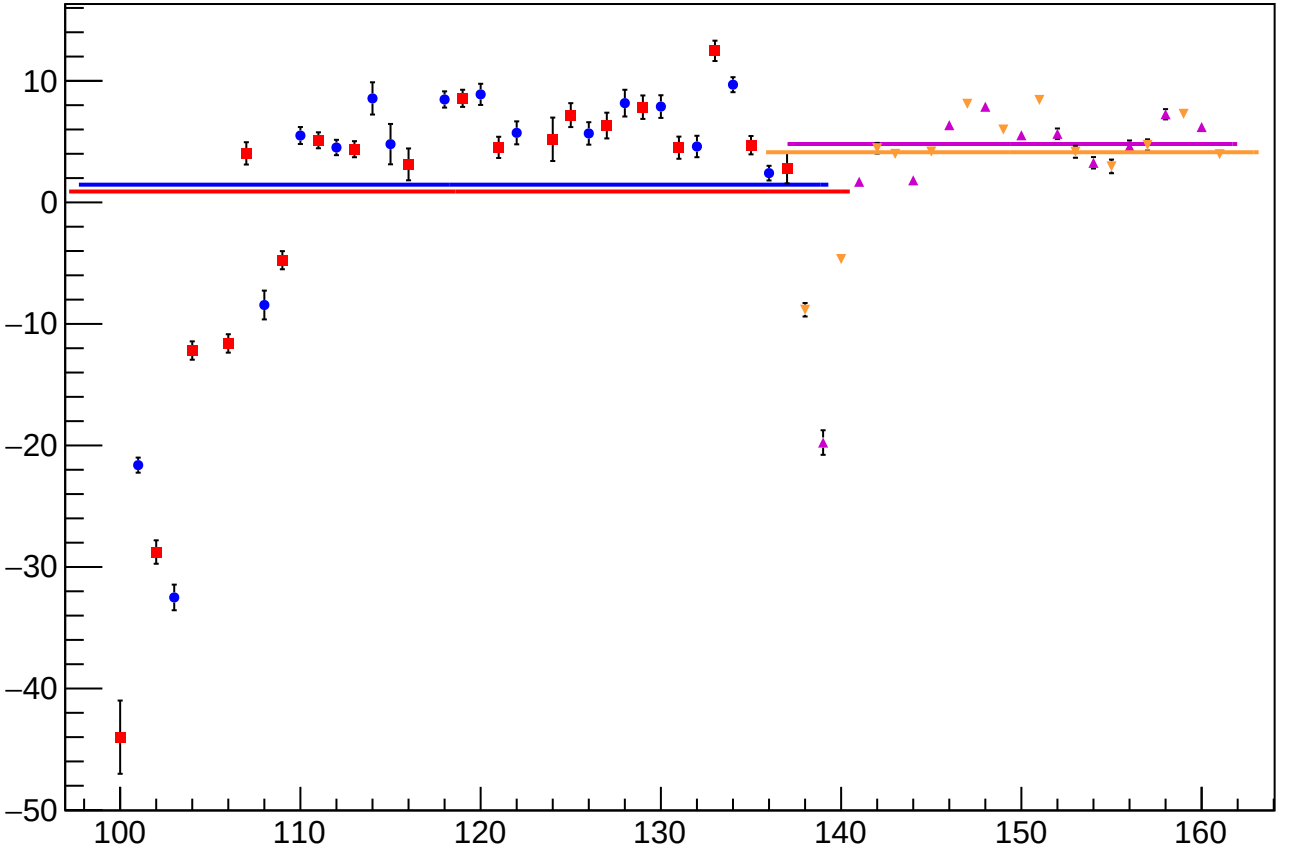
Left In: 8.291+/-0.160 χ^2/NDF:418.4/10

+ sign 7.058+/-0.117 χ^2/NDF: 5158.7/28

All: 5.654+/-0.082 χ^2/NDF: 8320.3/58

- sign 4.283+/-0.116 χ^2/NDF: 2877.3/29

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 4.128+/-0.105 χ^2/NDF:1704.4/12

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

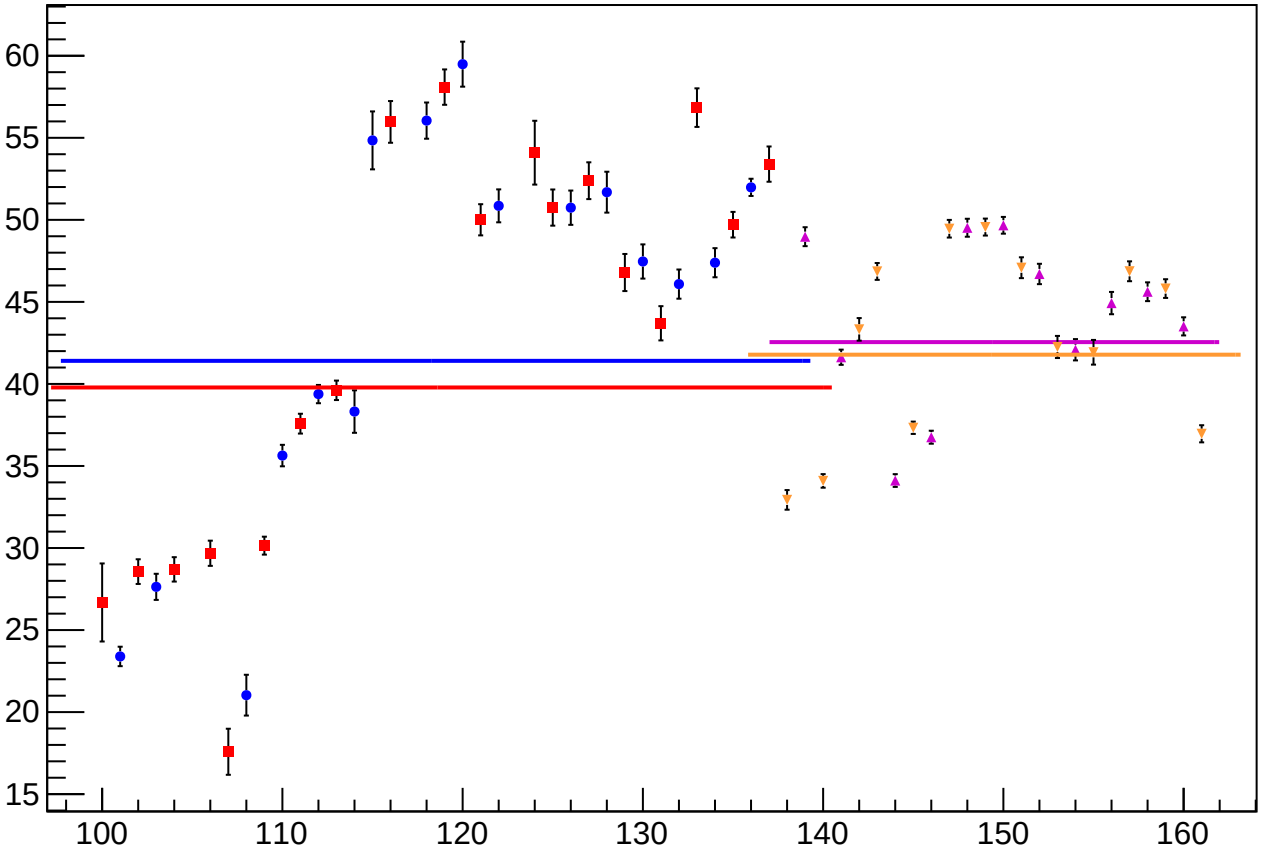
Left In: 4.806+/-0.107 χ^2/NDF:1023.6/10

+ sign 3.569+/-0.093 χ^2/NDF: 4920.7/28

All: 3.754+/-0.066 χ^2/NDF: 8621.5/58

- sign 3.945+/-0.095 χ^2/NDF: 3692.7/29

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: 41.783+/-0.150 χ^2/NDF:1512.7/12

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

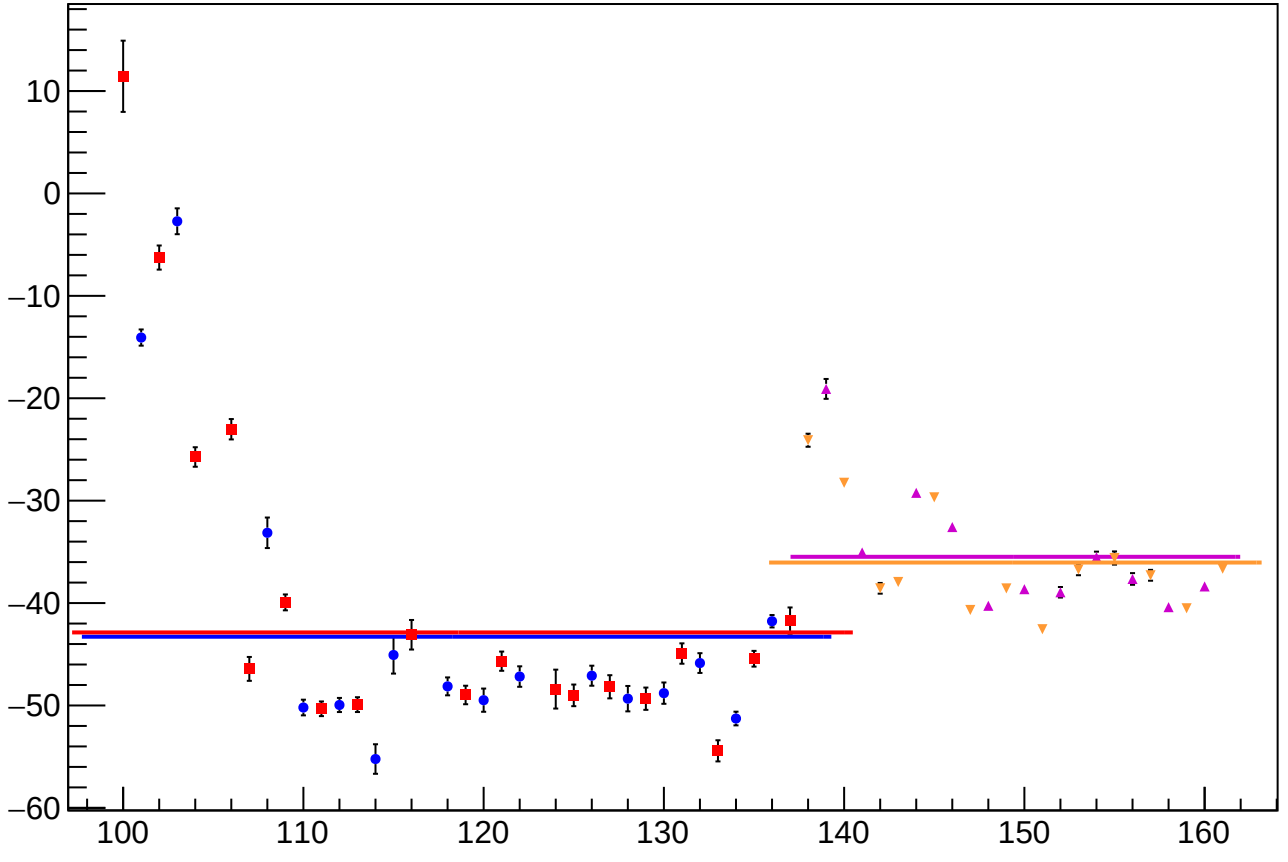
Left In: 42.549+/-0.156 χ^2/NDF:1259.0/10

+ sign 41.657+/-0.122 χ^2/NDF: 4260.8/28

All: 41.592+/-0.087 χ^2/NDF: 8291.1/58

- sign 41.525+/-0.123 χ^2/NDF: 4029.8/29

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -36.042+/-0.124 χ^2/NDF:1620.1/12

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

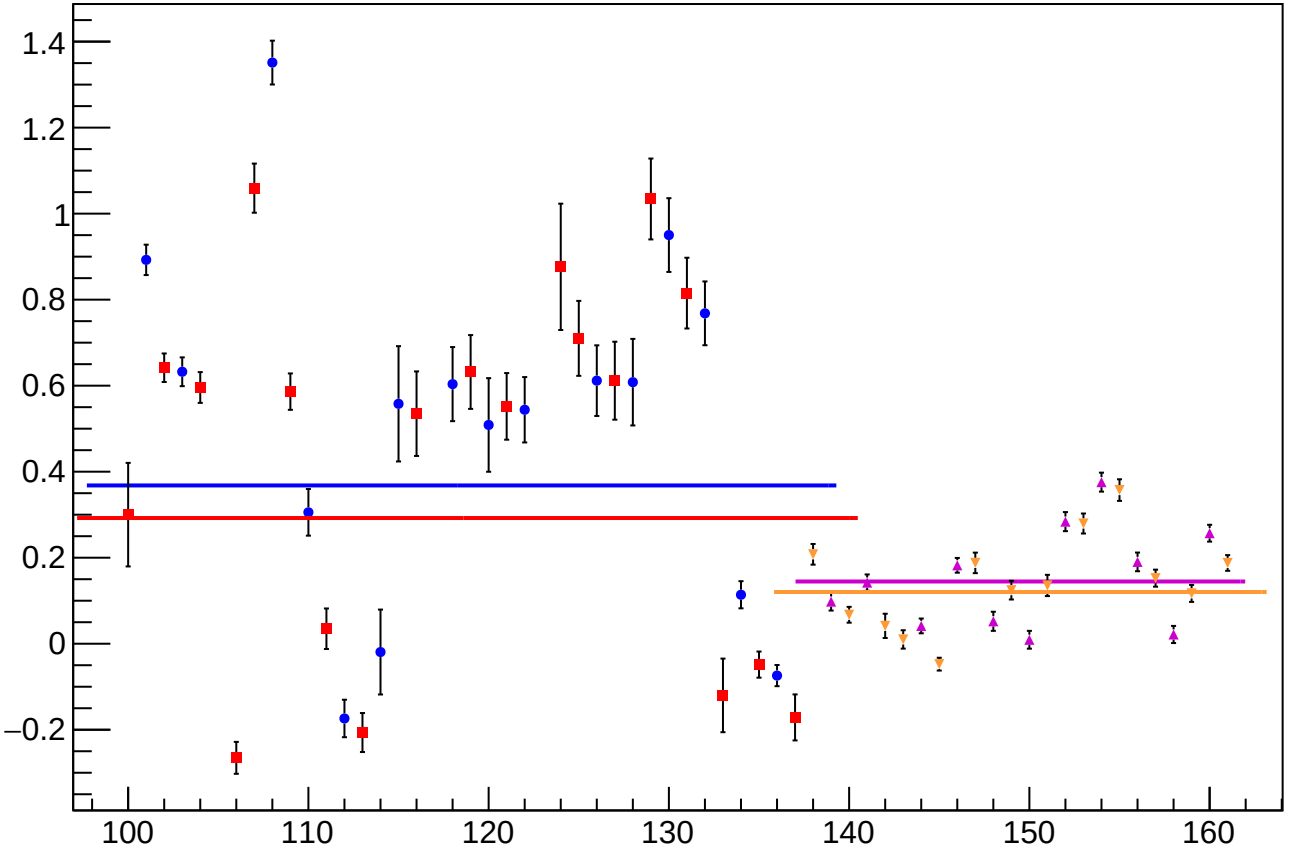
Left In: -35.482+/-0.128 χ^2/NDF:1184.2/10

+ sign -37.682+/-0.109 χ^2/NDF: 5377.0/28

All: -37.466+/-0.078 χ^2/NDF: 9815.8/58

- sign -37.239+/-0.112 χ^2/NDF: 4430.8/29

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: 0.120+/-0.006 χ^2/NDF:343.6/12

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

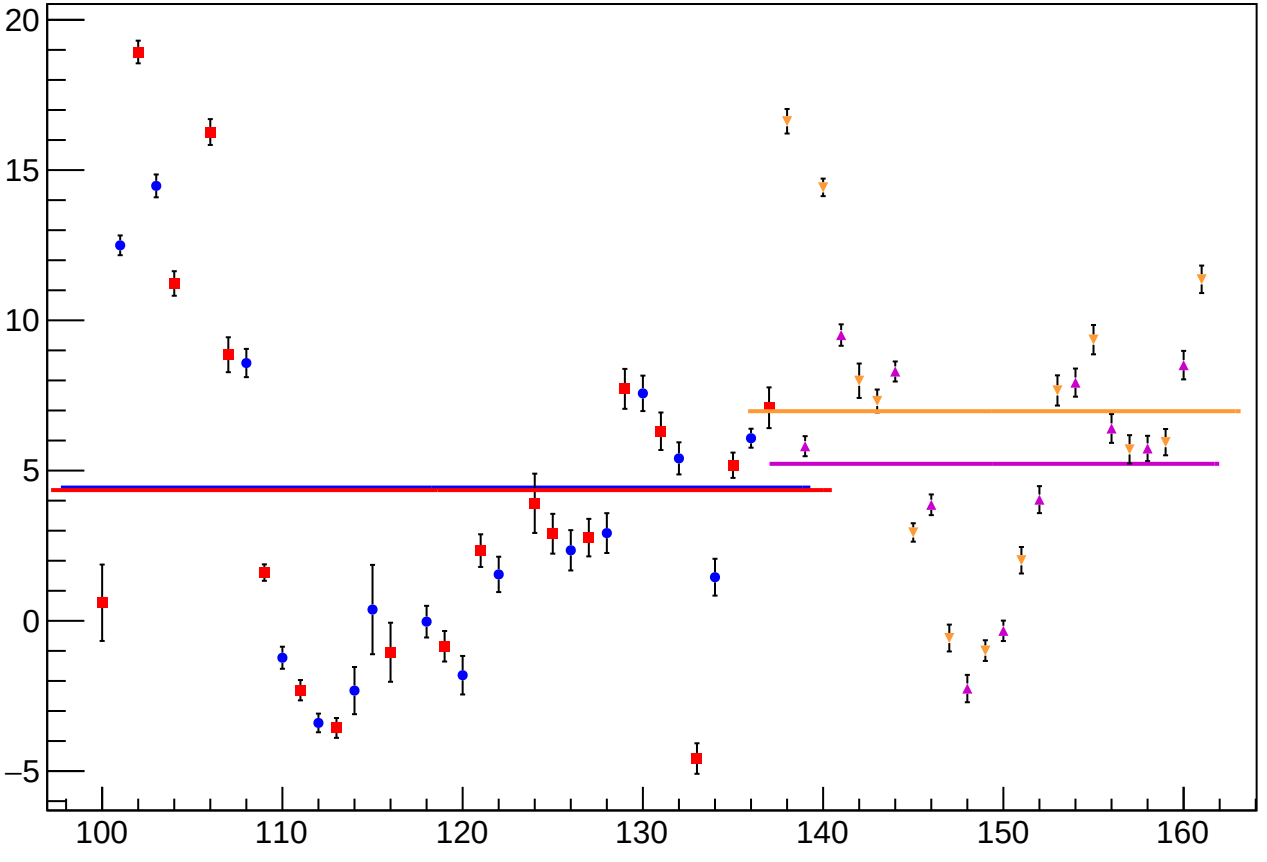
Left In: 0.145+/-0.006 χ^2/NDF:330.9/10

+ sign 0.166+/-0.005 χ^2/NDF: 2000.8/28

All: 0.170+/-0.004 χ^2/NDF: 3651.2/58

- sign 0.174+/-0.005 χ^2/NDF: 1649.3/29

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 6.976+/-0.112 χ^2/NDF:2465.7/12

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

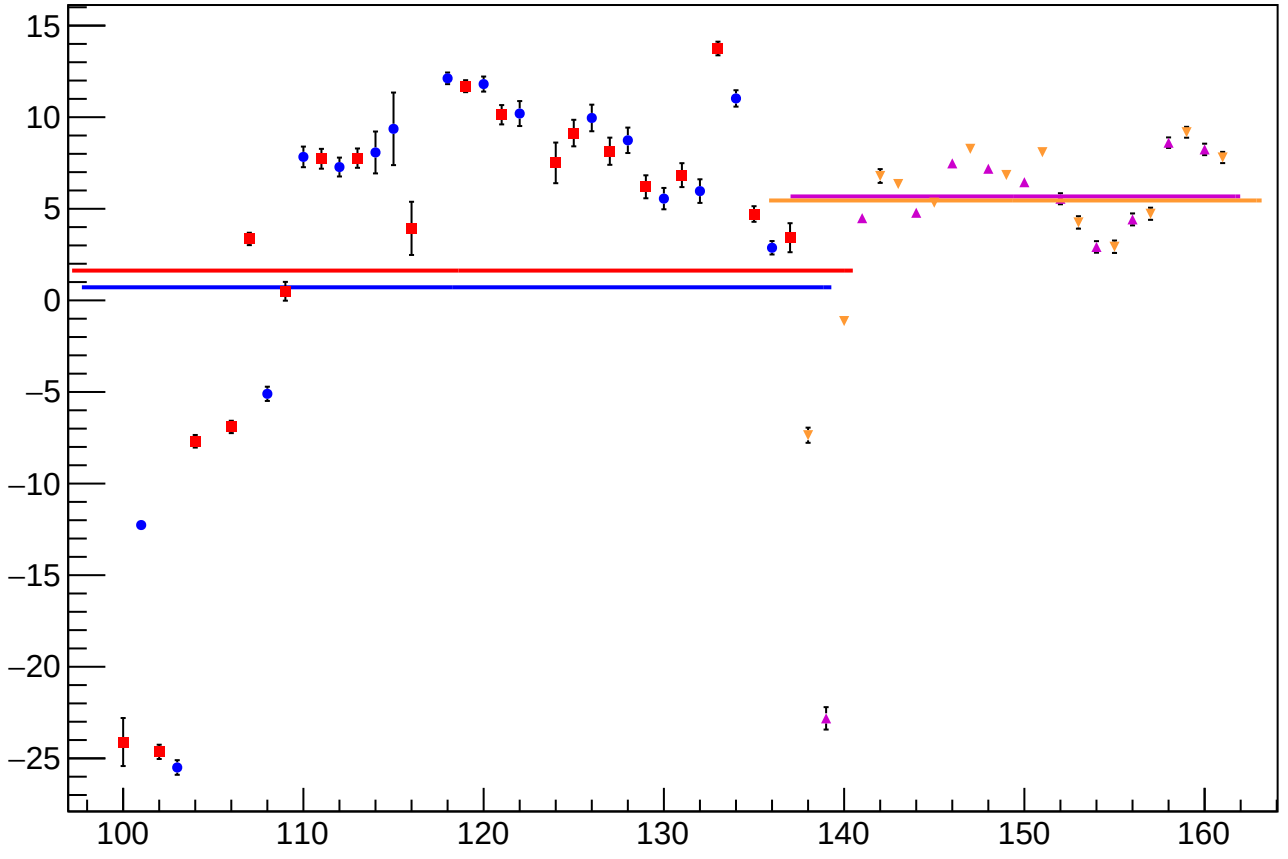
Left In: 5.225+/-0.118 χ^2/NDF:880.7/10

+ sign 5.759+/-0.081 χ^2/NDF: 5333.8/28

All: 5.251+/-0.057 χ^2/NDF: 10527.4/58

- sign 4.753+/-0.080 χ^2/NDF: 5115.5/29

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 5.454+/-0.077 χ^2/NDF:2332.3/12

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

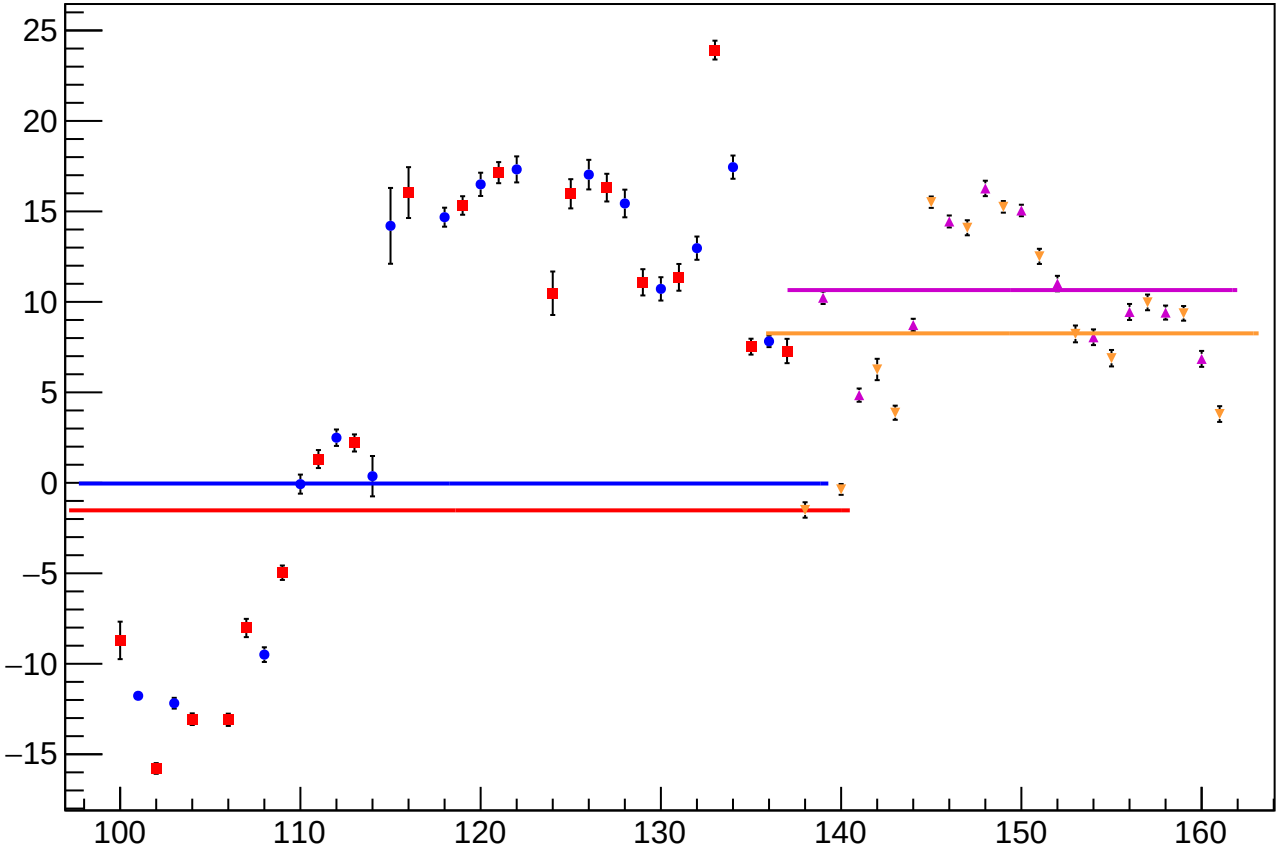
Left In: 5.674+/-0.082 χ^2/NDF:2597.2/10

+ sign 3.990+/-0.064 χ^2/NDF: 13941.3/28

All: 4.115+/-0.046 χ^2/NDF: 26661.6/58

- sign 4.246+/-0.066 χ^2/NDF: 12712.6/29

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: 8.260+/-0.110 χ^2/NDF:2926.1/12

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

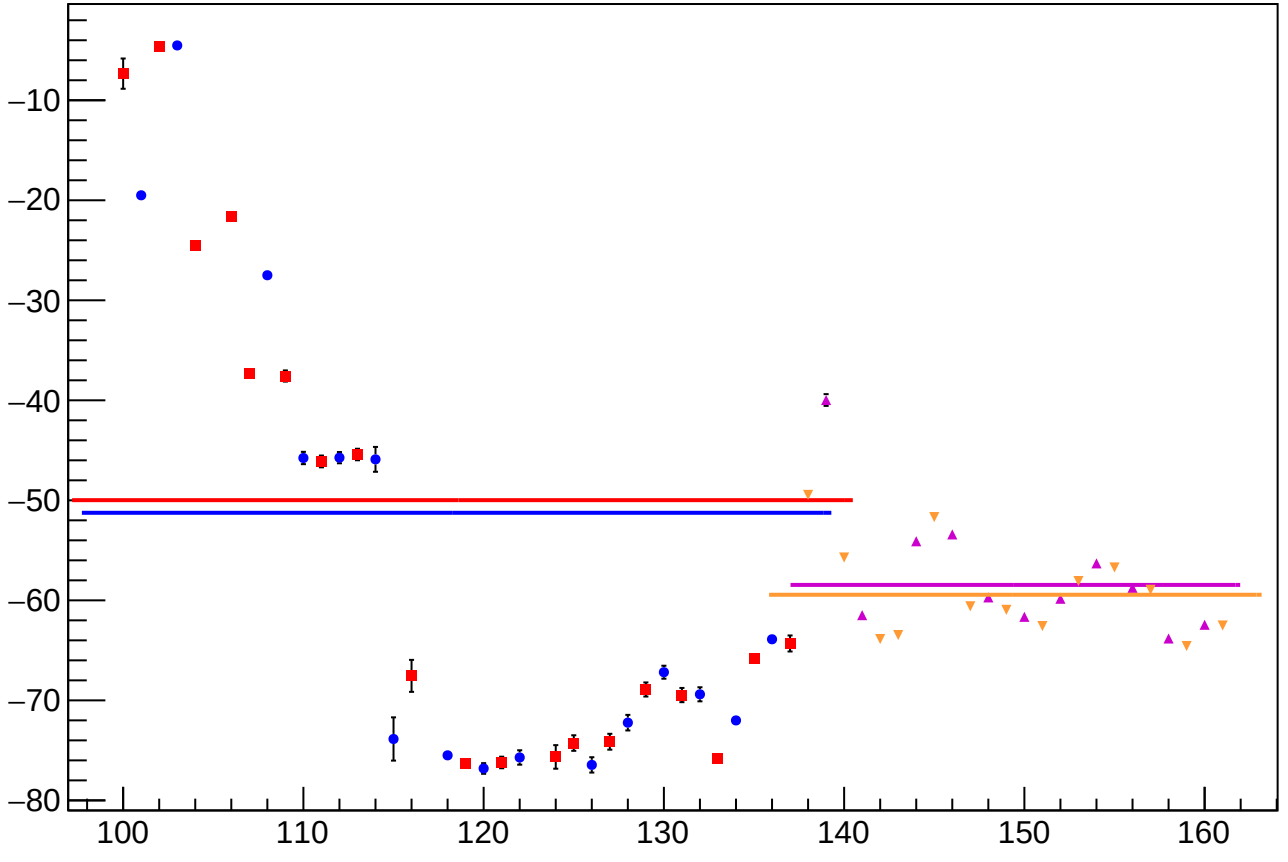
Left In: 10.652+/-0.114 χ^2/NDF:909.9/10

+ sign 4.468+/-0.081 χ^2/NDF: 14824.8/28

All: 4.535+/-0.057 χ^2/NDF: 33495.1/58

- sign 4.603+/-0.081 χ^2/NDF: 18668.9/29

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -59.441+/-0.092 χ^2/NDF:2140.1/12

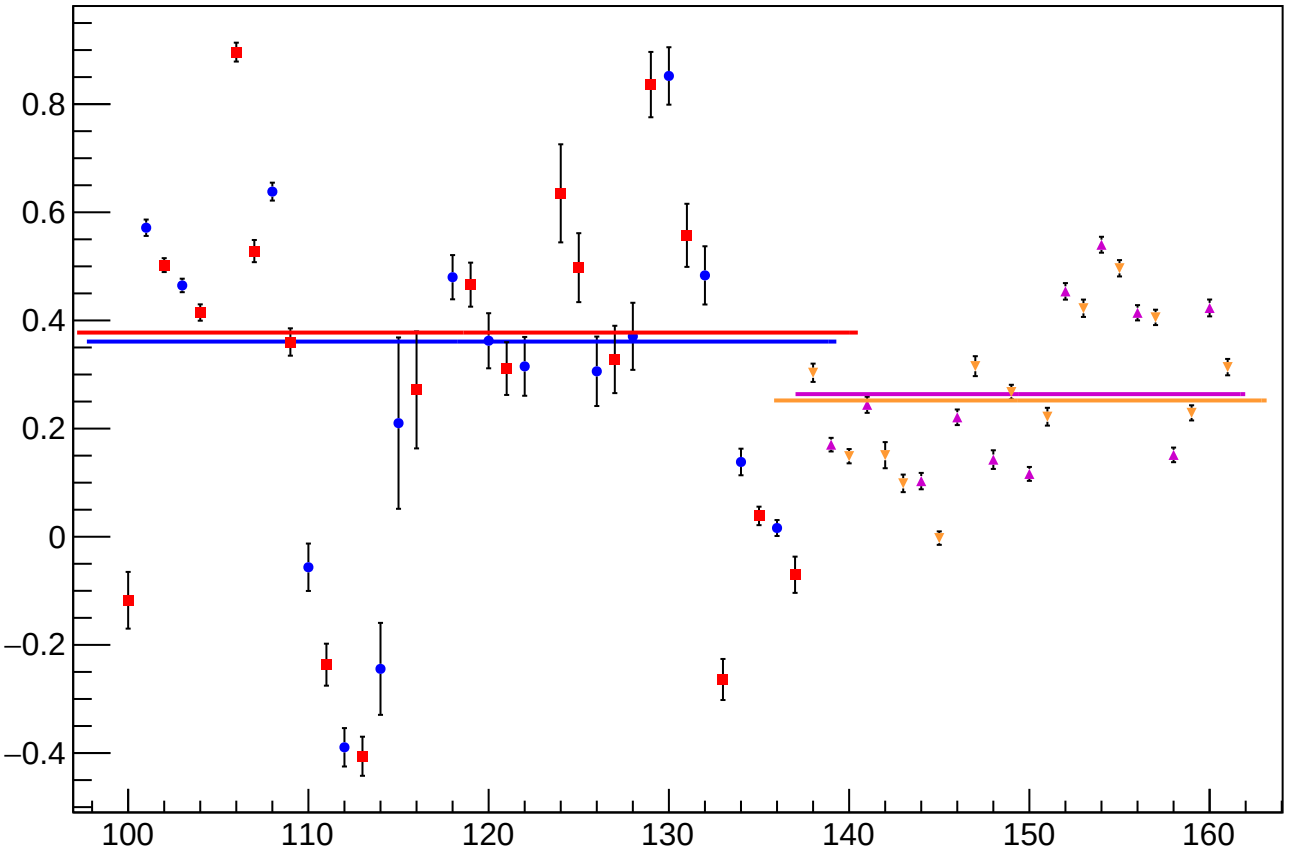
Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -58.457+/-0.096 χ^2/NDF:2355.7/10

+ sign -56.877+/-0.076 χ^2/NDF: 38409.0/28

All: -56.189+/-0.054 χ^2/NDF: 77548.2/58

- sign -55.471+/-0.078 χ^2/NDF: 38971.5/29



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.252+/-0.004 χ^2/NDF:1120.8/12

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

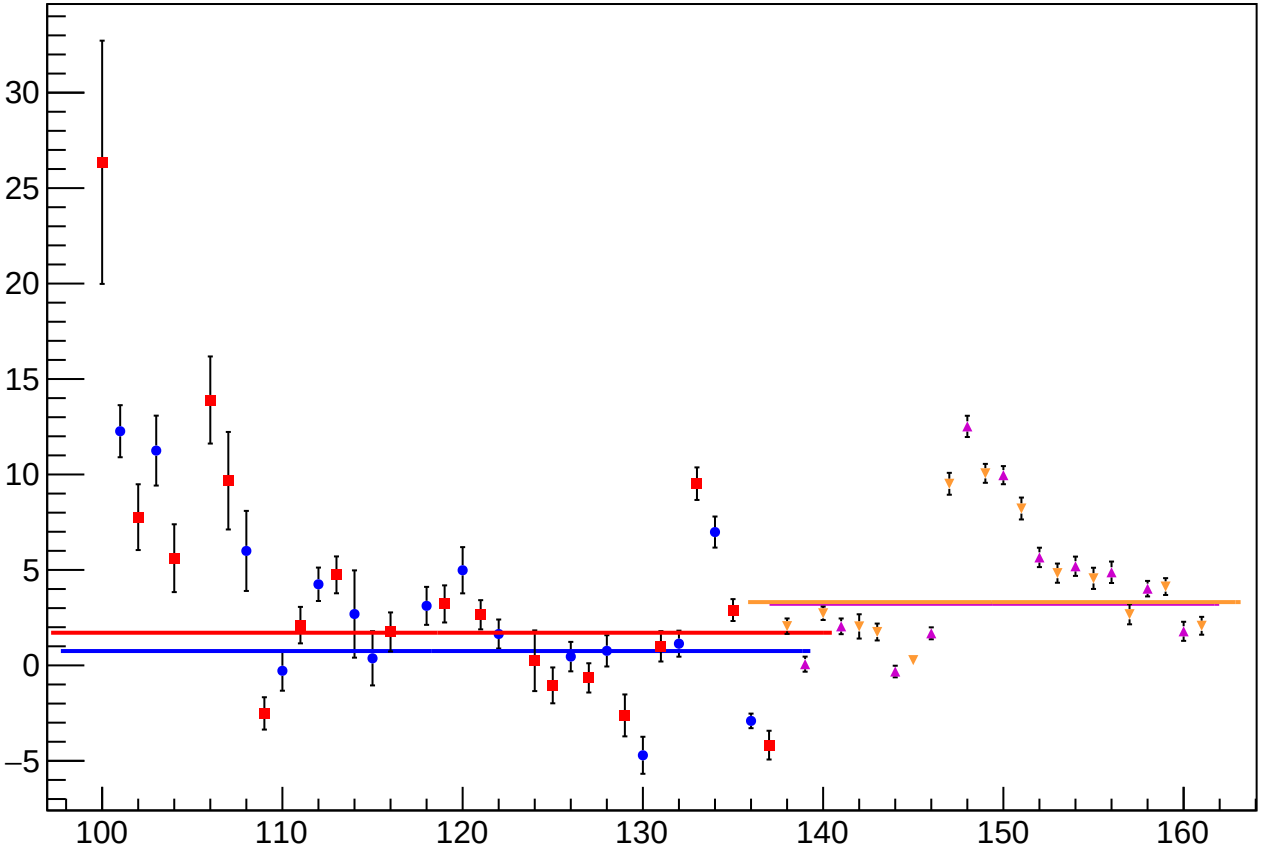
Left In: 0.264+/-0.004 χ^2/NDF:1152.7/10

+ sign 0.285+/-0.004 χ^2/NDF: 3184.1/28

All: 0.294+/-0.002 χ^2/NDF: 7368.5/58

- sign 0.302+/-0.004 χ^2/NDF: 4173.3/29

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: 3.315+/-0.122 χ^2/NDF:563.4/12

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

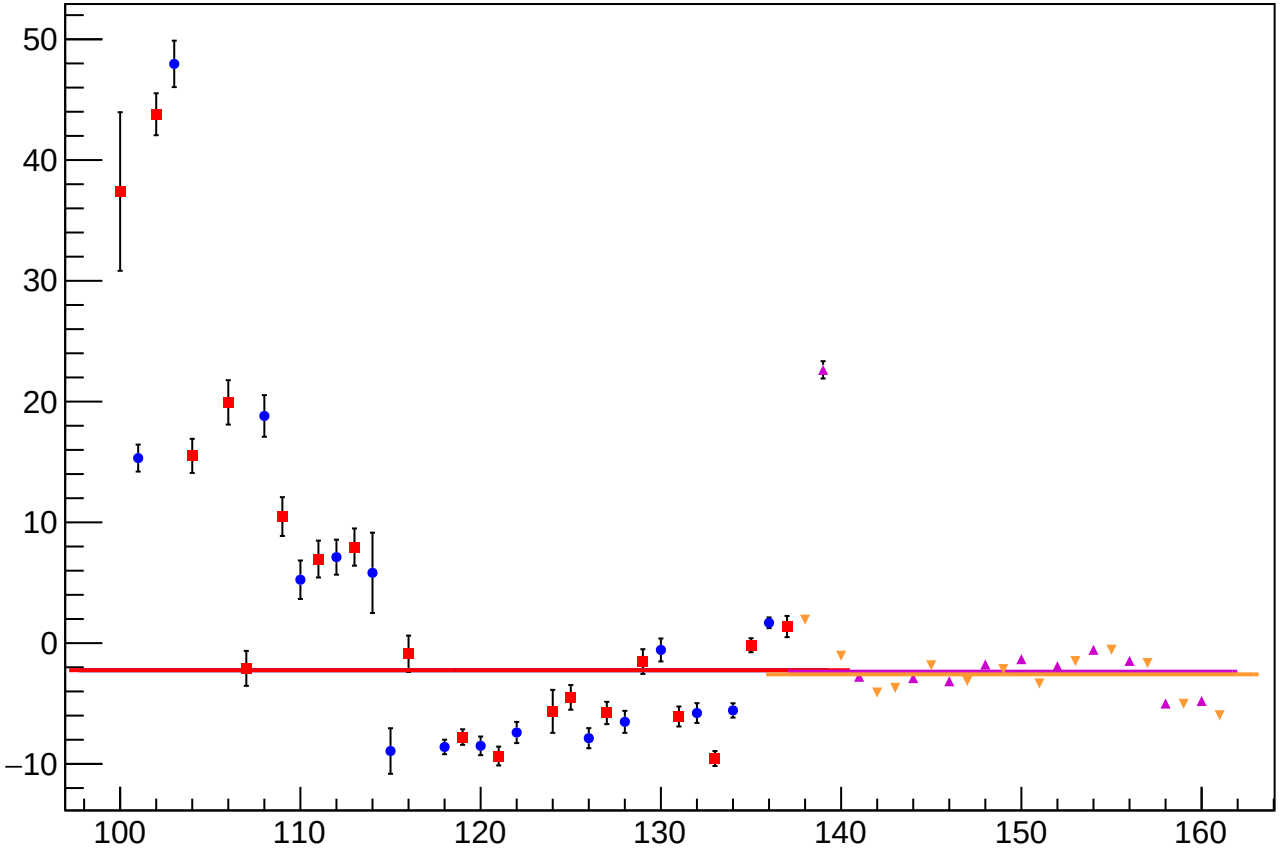
Left In: 3.226+/-0.127 χ^2/NDF:771.7/10

+ sign 2.677+/-0.106 χ^2/NDF: 1003.0/28

All: 2.762+/-0.076 χ^2/NDF: 2104.7/58

- sign 2.855+/-0.110 χ^2/NDF: 1100.4/29

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: -2.583+/-0.086 χ^2/NDF:437.9/12

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

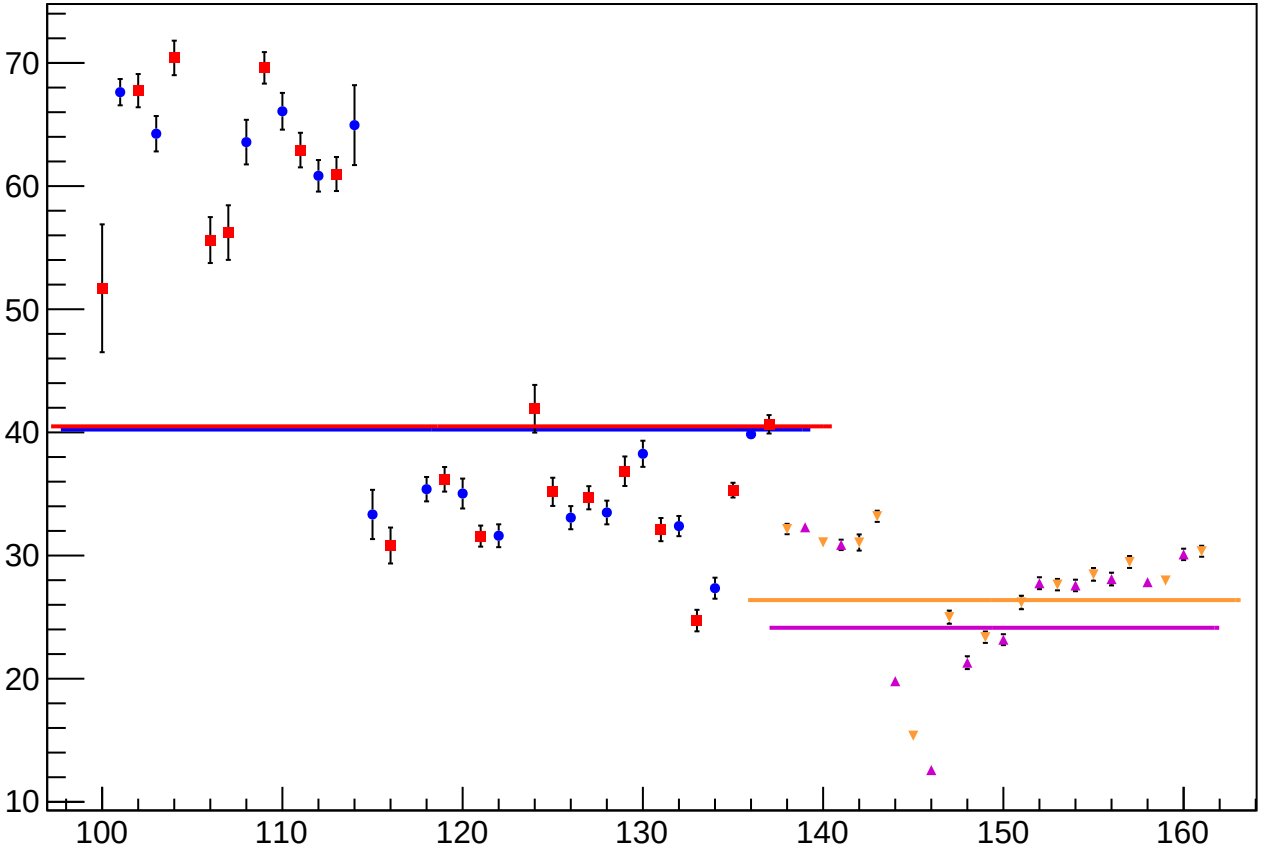
Left In: -2.365+/-0.088 χ^2/NDF:1432.9/10

+ sign -2.537+/-0.080 χ^2/NDF: 2012.5/28

All: -2.445+/-0.057 χ^2/NDF: 5003.9/58

- sign -2.350+/-0.082 χ^2/NDF: 2988.8/29

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: 26.383+/-0.120 χ^2/NDF:2482.8/12

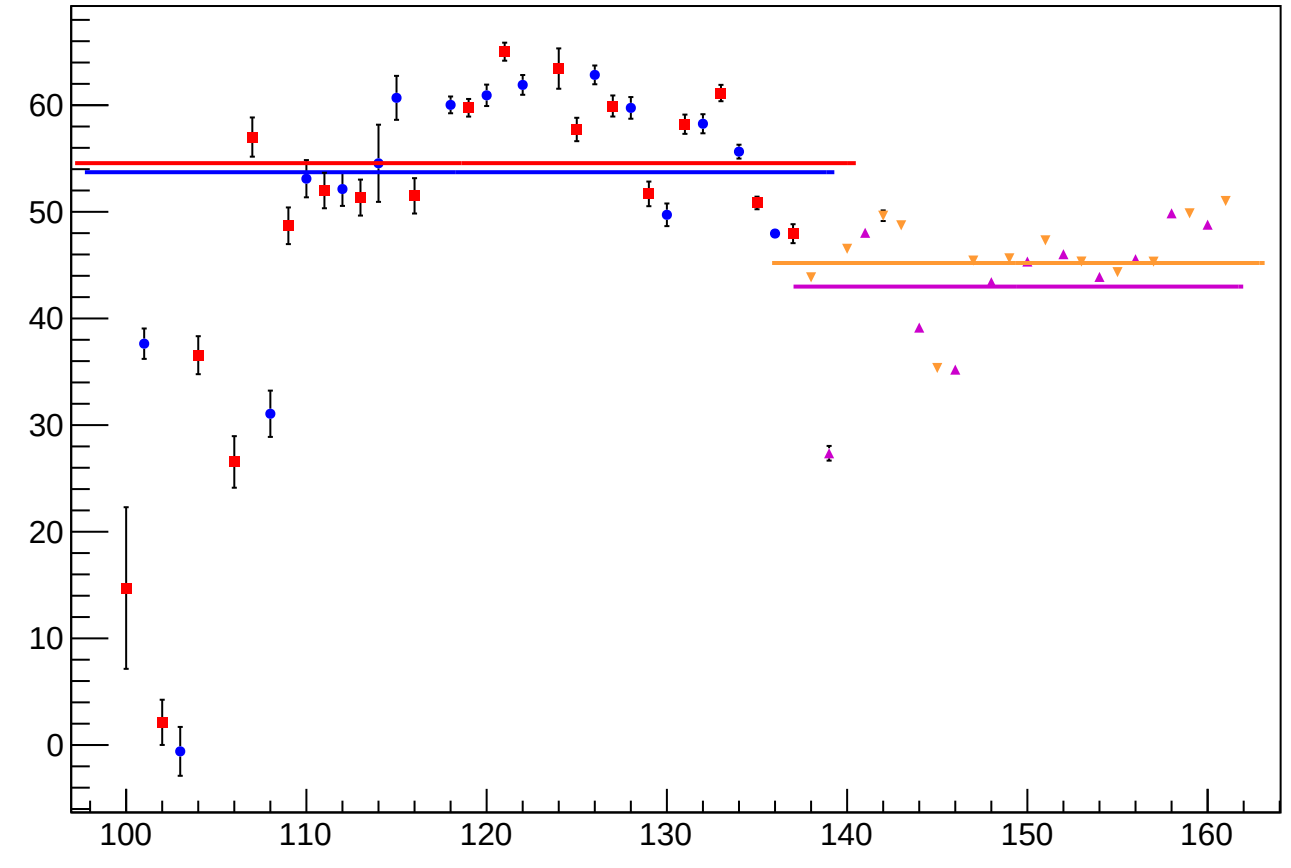
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 24.136+/-0.123 χ^2/NDF:2770.6/10

+ sign 29.325+/-0.107 χ^2/NDF: 7594.1/28

All: 28.363+/-0.077 χ^2/NDF: 16663.8/58

- sign 27.328+/-0.111 χ^2/NDF: 8900.9/29



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 45.201+/-0.101 χ^2/NDF:2345.7/12

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

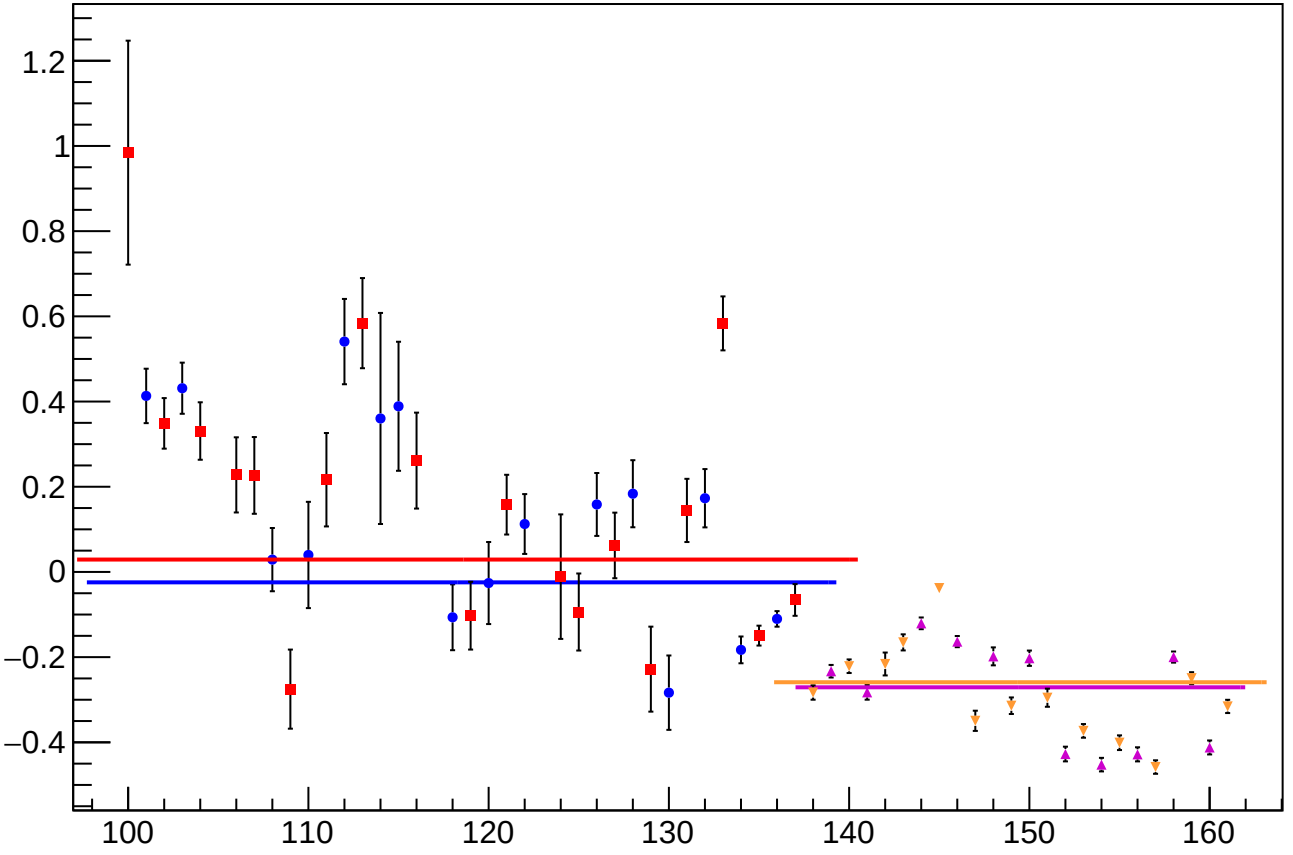
Left In: 42.989+/-0.103 χ^2/NDF:2961.0/10

+ sign 46.491+/-0.093 χ^2/NDF: 4785.1/28

All: 45.568+/-0.067 χ^2/NDF: 11049.7/58

- sign 44.597+/-0.095 χ^2/NDF: 6062.6/29

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: -0.259+/-0.005 χ^2/NDF:770.5/12

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

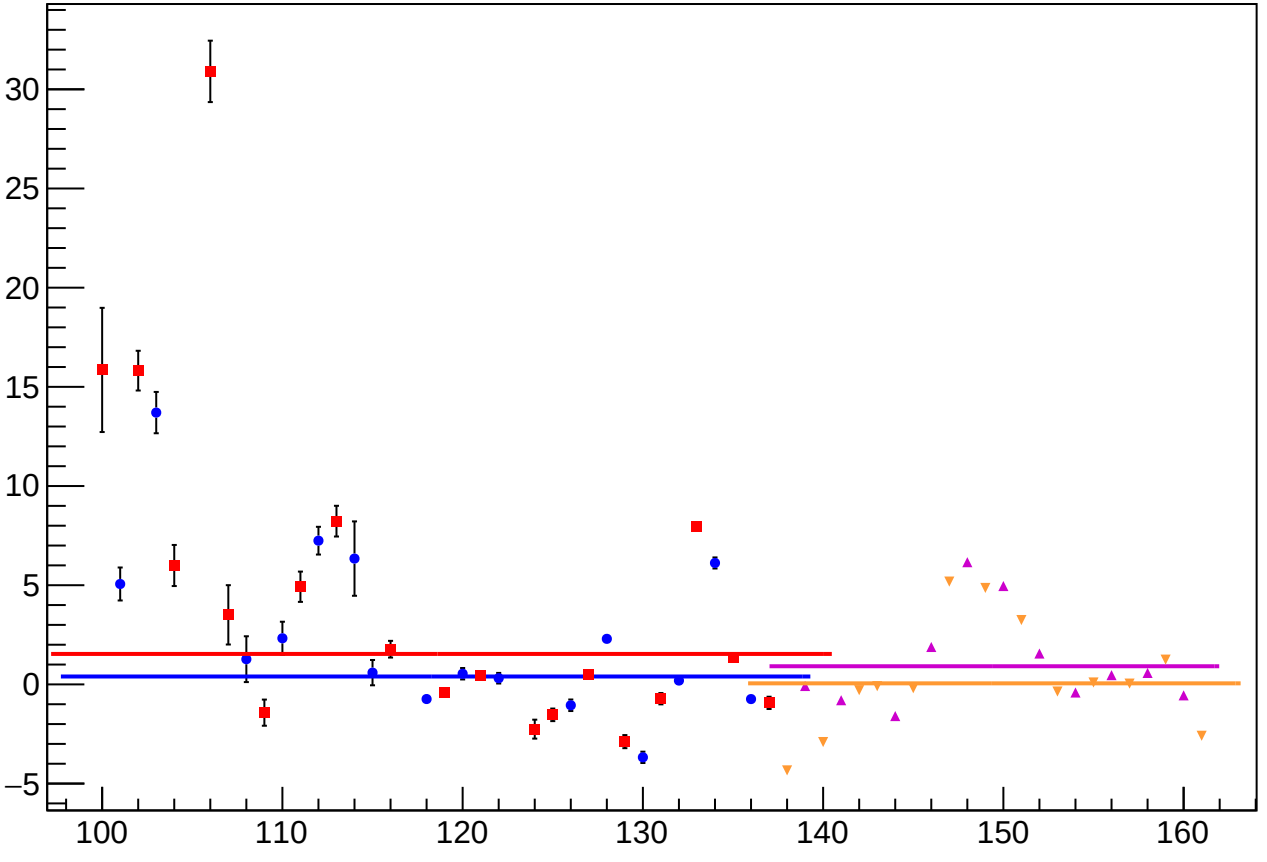
Left In: -0.271+/-0.005 χ^2/NDF:625.2/10

+ sign -0.232+/-0.004 χ^2/NDF: 1297.2/28

All: -0.236+/-0.003 χ^2/NDF: 2600.2/58

- sign -0.241+/-0.004 χ^2/NDF: 1300.8/29

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: 0.053+/-0.046 χ^2/NDF:3464.0/12

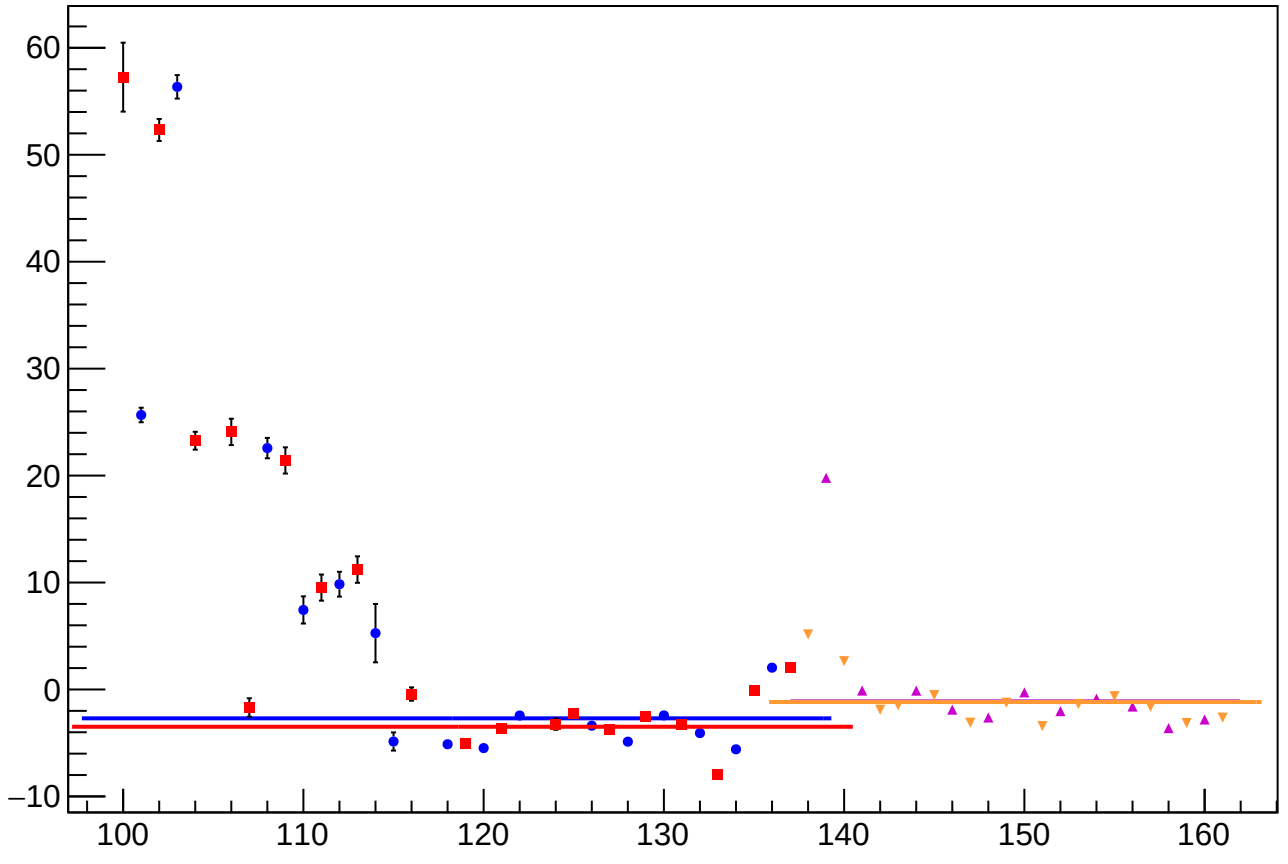
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.915+/-0.047 χ^2/NDF:2390.0/10

+ sign 0.142+/-0.039 χ^2/NDF: 4576.2/28

All: 0.601+/-0.028 χ^2/NDF: 9702.7/58

- sign 1.077+/-0.040 χ^2/NDF: 4847.7/29



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.170+/-0.032 χ^2/NDF:4117.4/12

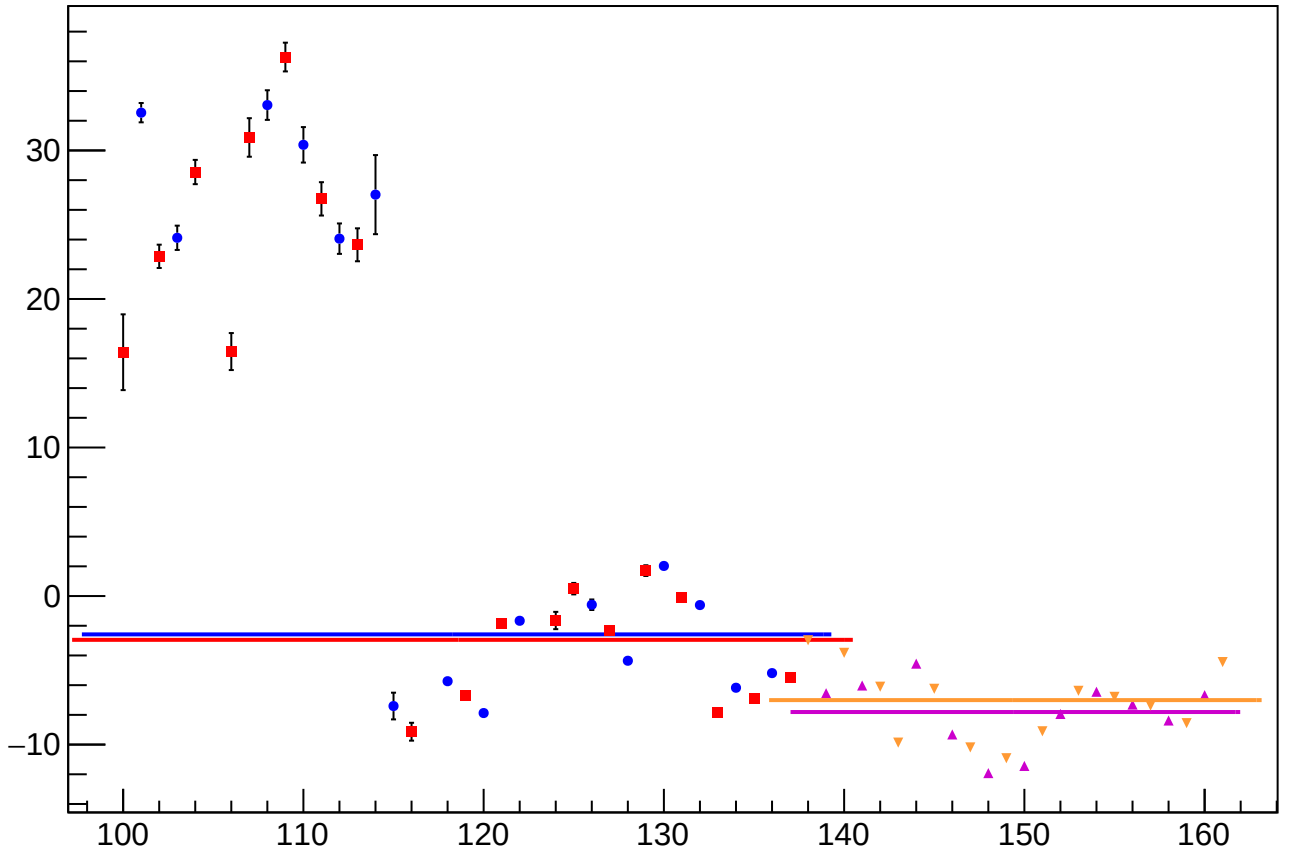
Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -1.114+/-0.032 χ^2/NDF:8063.7/10

+ sign -1.431+/-0.029 χ^2/NDF: 11608.6/28

All: -1.476+/-0.021 χ^2/NDF: 27764.8/58

- sign -1.521+/-0.029 χ^2/NDF: 16151.4/29



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -7.006+/-0.045 χ^2/NDF:3011.1/12

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

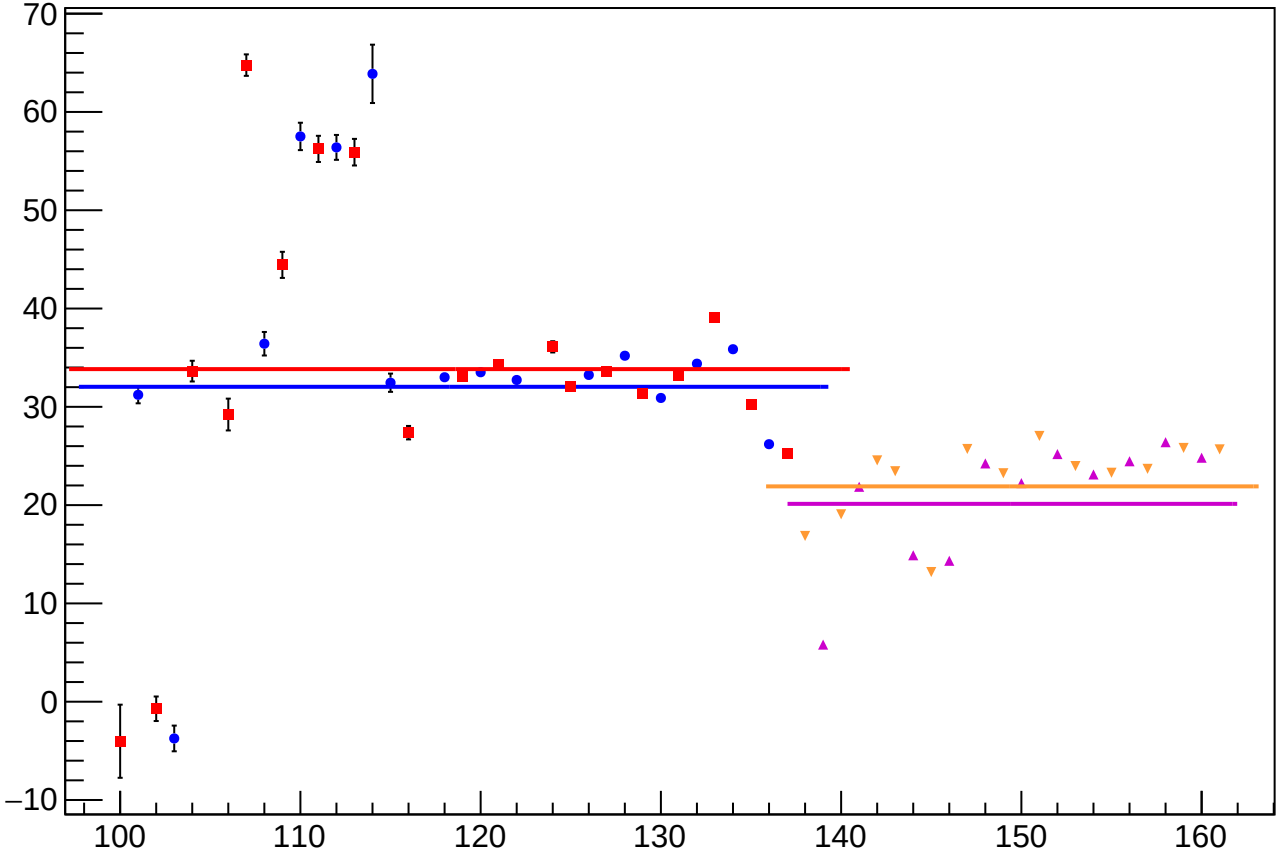
Left In: -7.809+/-0.045 χ^2/NDF:2553.2/10

+ sign -6.011+/-0.039 χ^2/NDF: 13368.9/28

All: -6.367+/-0.028 χ^2/NDF: 26832.7/58

- sign -6.732+/-0.040 χ^2/NDF: 13298.7/29

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: 21.906+/-0.038 χ^2/NDF:14943.7/12

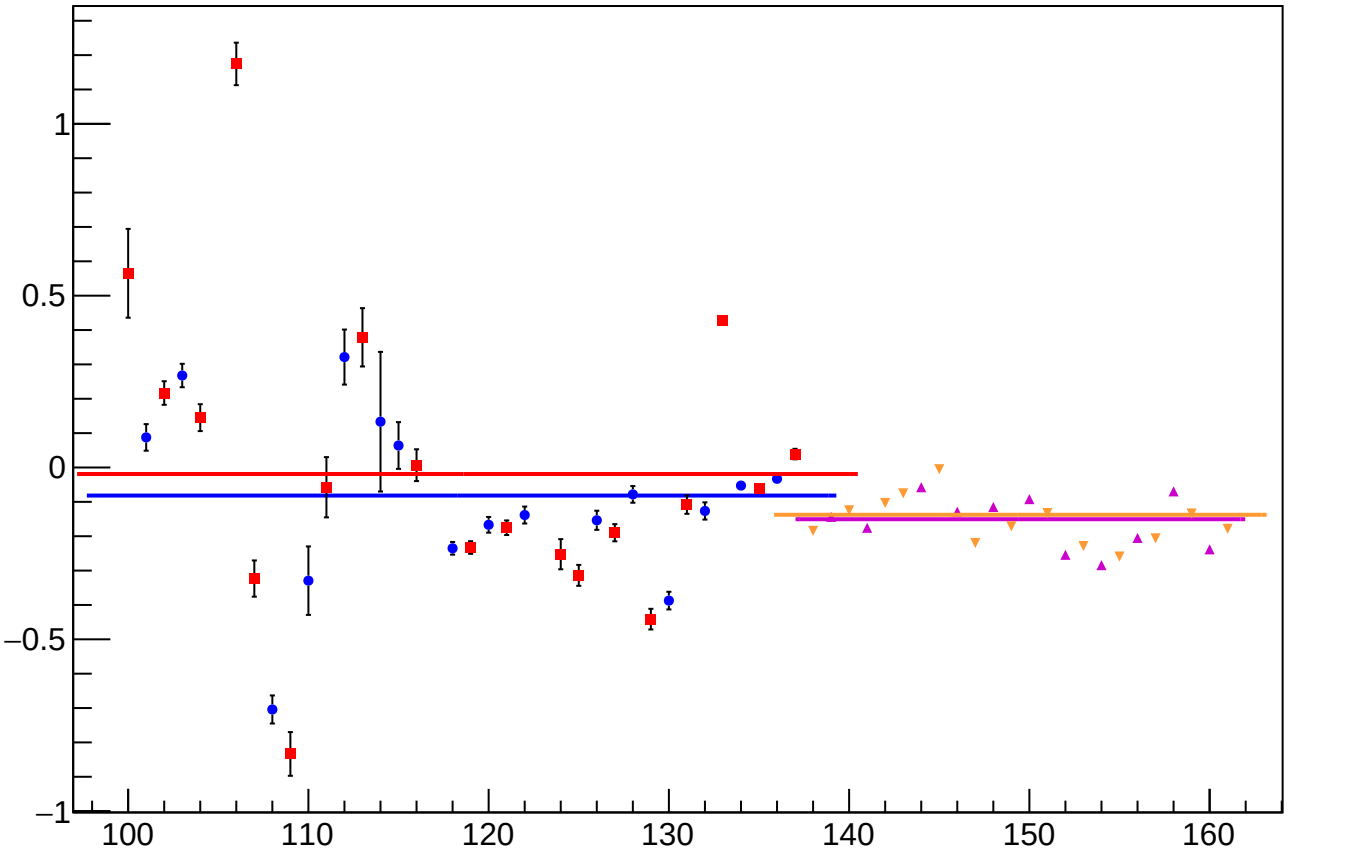
Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 20.128+/-0.038 χ^2/NDF:17992.5/10

+ sign 23.708+/-0.034 χ^2/NDF: 30972.3/28

All: 23.149+/-0.024 χ^2/NDF: 76899.1/58

- sign 22.582+/-0.035 χ^2/NDF: 45391.8/29



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.138+/-0.002 χ^2/NDF:2091.7/12

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

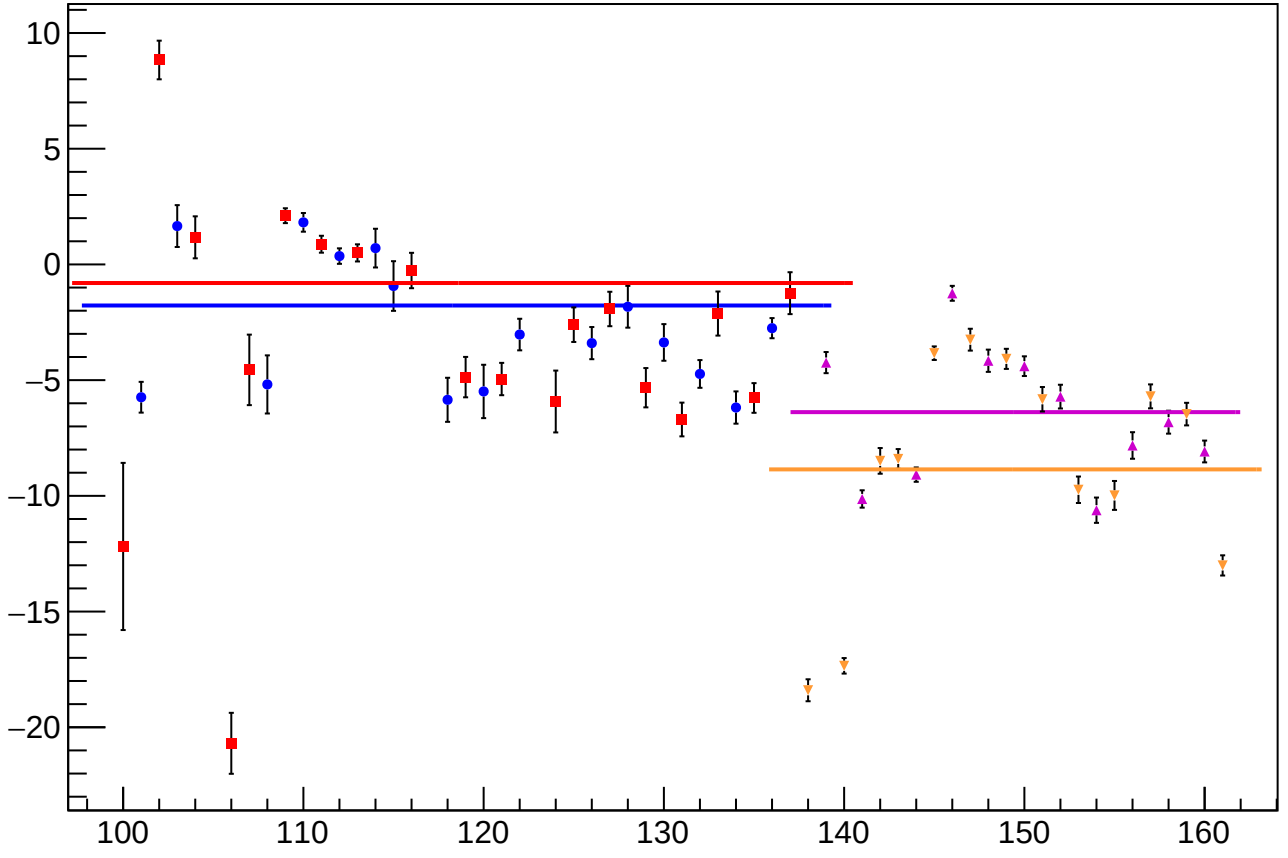
Left In: -0.151+/-0.002 χ^2/NDF:1642.5/10

+ sign -0.131+/-0.002 χ^2/NDF: 2899.6/28

All: -0.134+/-0.001 χ^2/NDF: 7397.2/58

- sign -0.137+/-0.002 χ^2/NDF: 4491.2/29

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -8.857+/-0.123 χ^2/NDF:1791.4/12

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

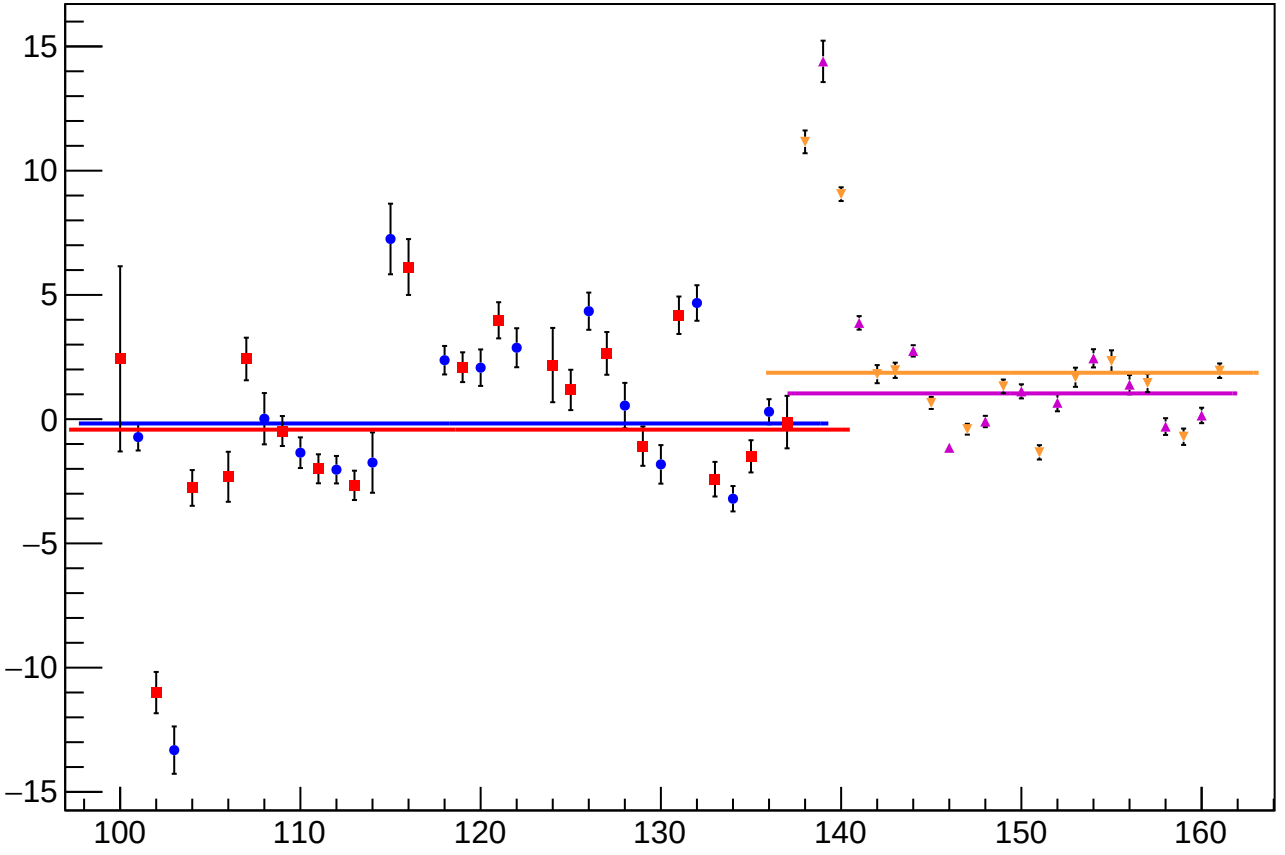
Left In: -6.382+/-0.129 χ^2/NDF:576.1/10

+ sign -6.160+/-0.097 χ^2/NDF: 3346.9/28

All: -5.076+/-0.069 χ^2/NDF: 5714.9/58

- sign -3.989+/-0.097 χ^2/NDF: 2117.8/29

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 1.868+/-0.085 χ^2/NDF:1409.2/12

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

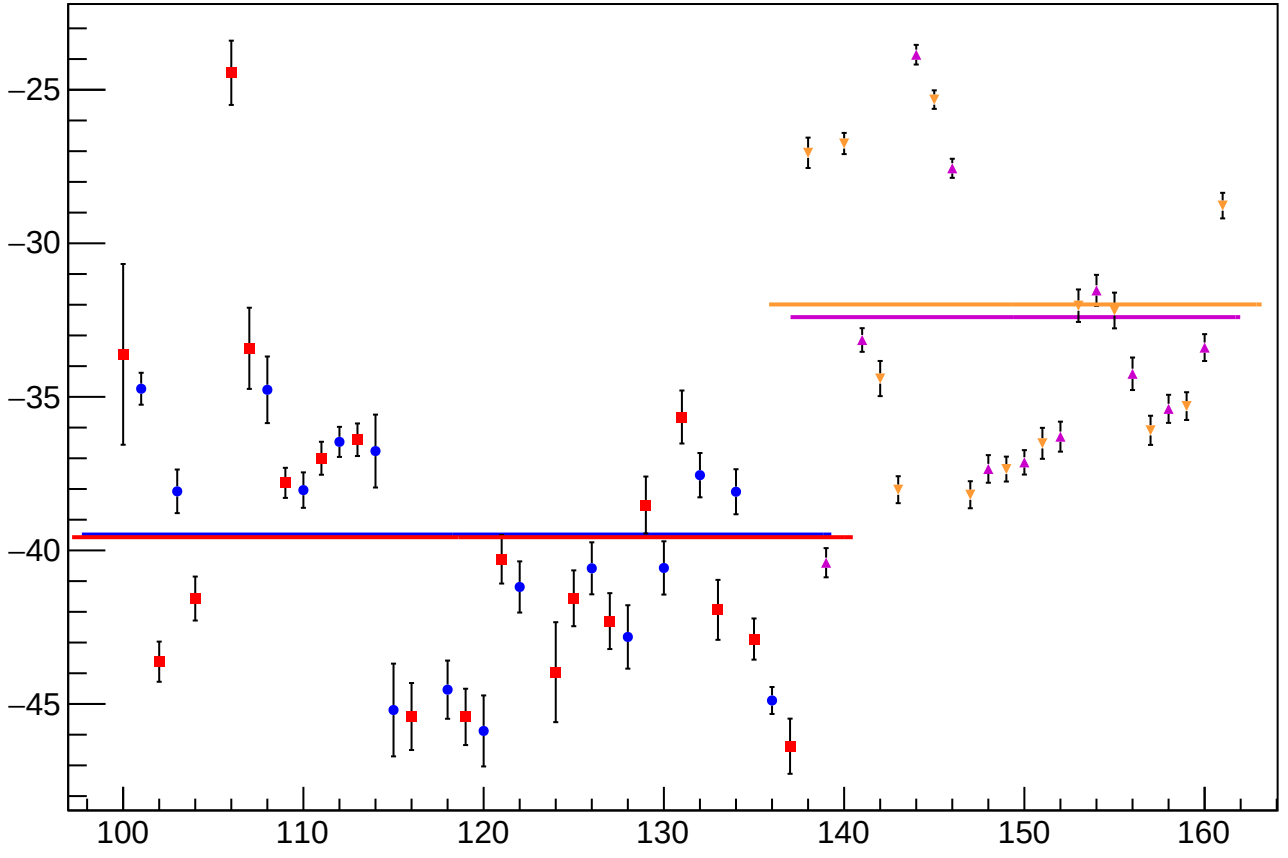
Left In: 1.037+/-0.087 χ^2/NDF:613.2/10

+ sign 1.473+/-0.076 χ^2/NDF: 1924.6/28

All: 1.123+/-0.054 χ^2/NDF: 3002.4/58

- sign 0.756+/-0.078 χ^2/NDF: 1034.2/29

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -31.991+/-0.121 χ^2/NDF:1668.0/12

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

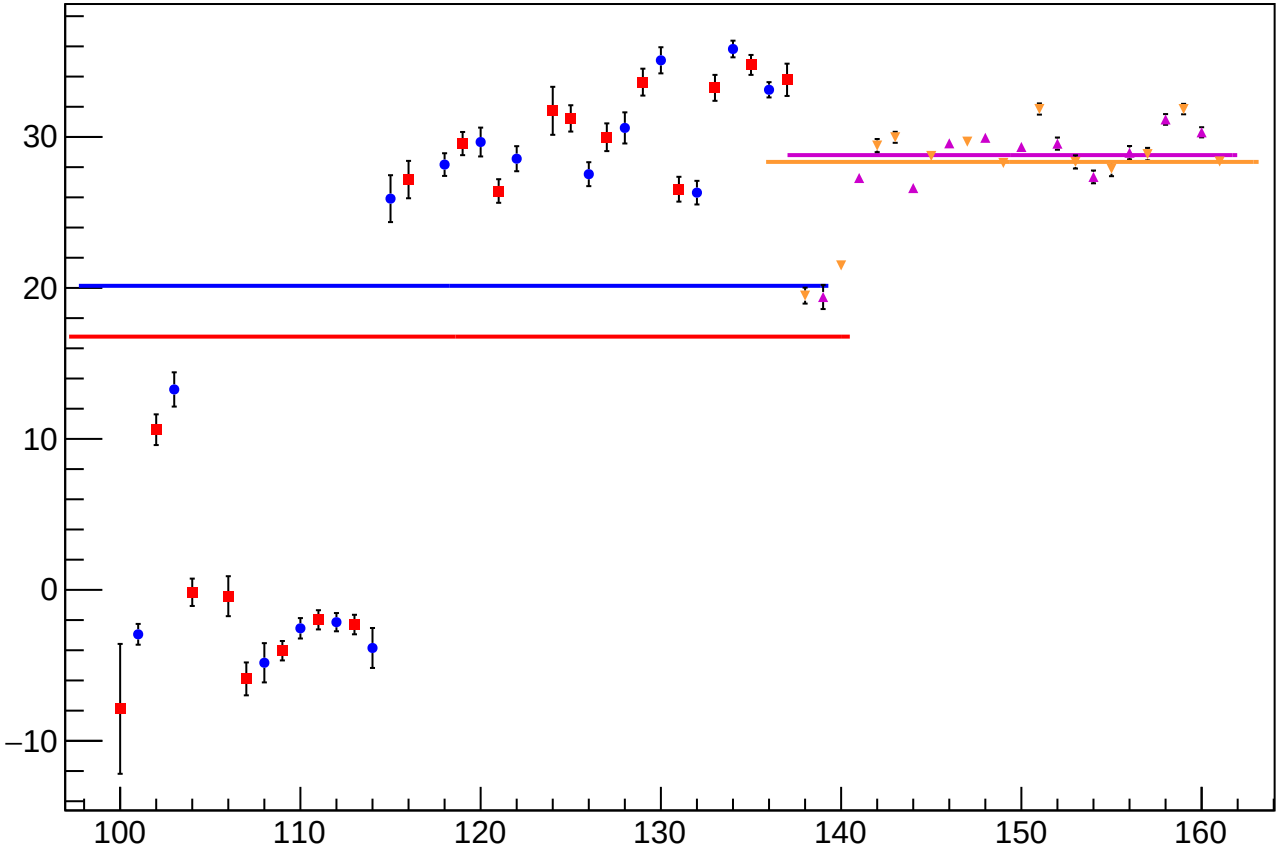
Left In: -32.403+/-0.125 χ^2/NDF:1632.4/10

+ sign -34.314+/-0.100 χ^2/NDF: 3270.0/28

All: -34.508+/-0.072 χ^2/NDF: 6526.4/58

- sign -34.712+/-0.103 χ^2/NDF: 3248.7/29

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 28.348+/-0.100 χ^2/NDF:947.5/12

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

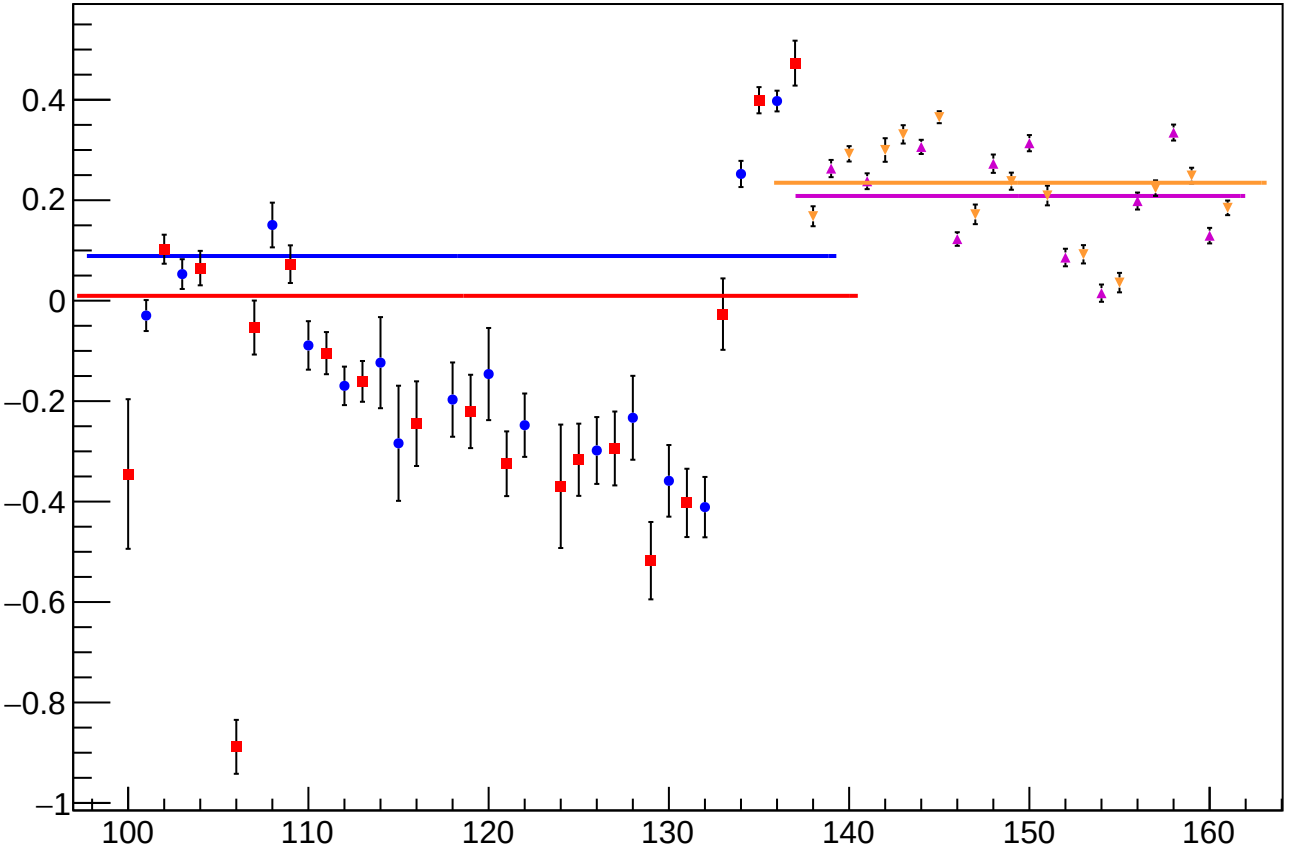
Left In: 28.798+/-0.103 χ^2/NDF:331.9/10

\+ sign 26.630+/-0.089 χ^2/NDF: 9037.3/28

All: 26.460+/-0.064 χ^2/NDF: 18981.5/58

\- sign 26.281+/-0.091 χ^2/NDF: 9936.7/29

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.235+/-0.005 χ^2/NDF:371.6/12

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

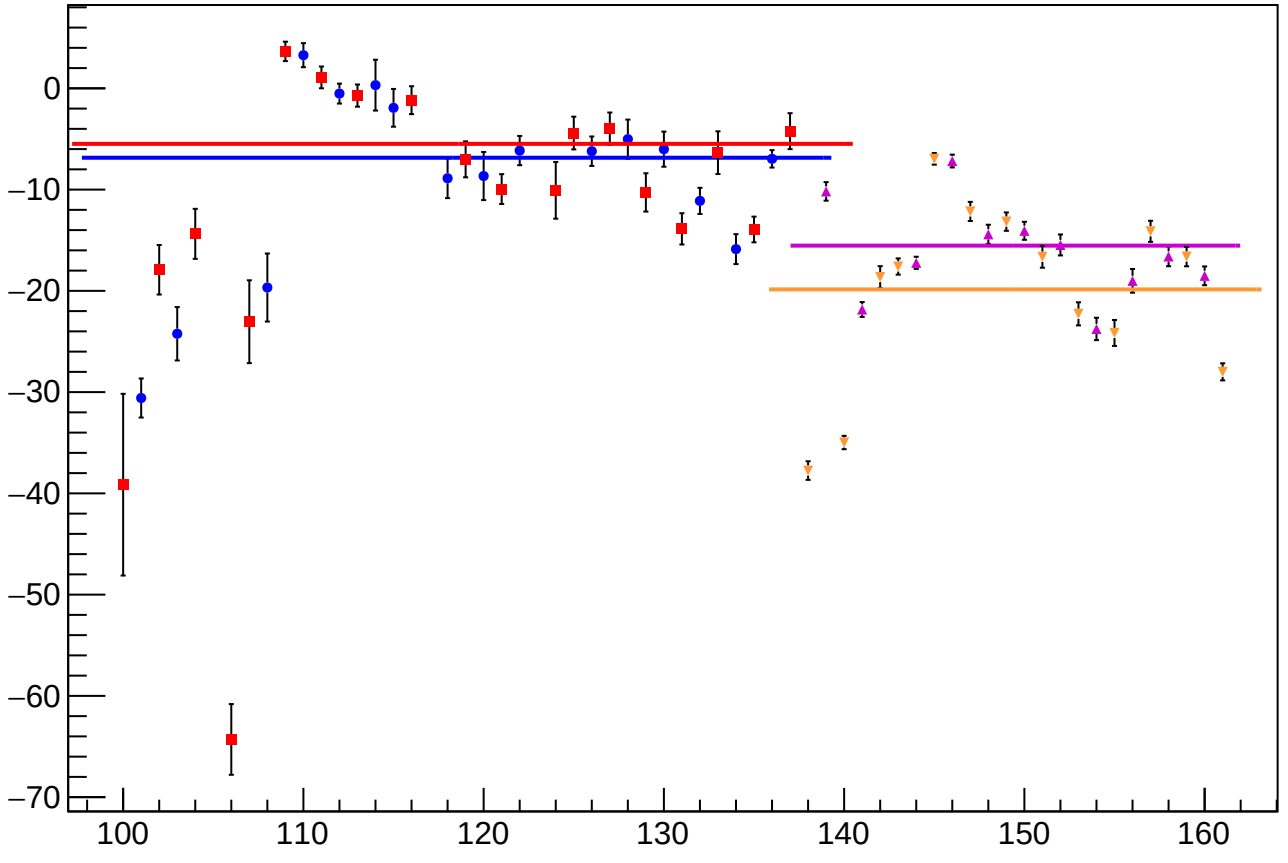
Left In: 0.208+/-0.005 χ^2/NDF:421.6/10

+ sign 0.210+/-0.004 χ^2/NDF: 1098.9/28

All: 0.194+/-0.003 χ^2/NDF: 2659.1/58

- sign 0.177+/-0.004 χ^2/NDF: 1529.8/29

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -19.856+/-0.243 χ^2/NDF:1693.6/12

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

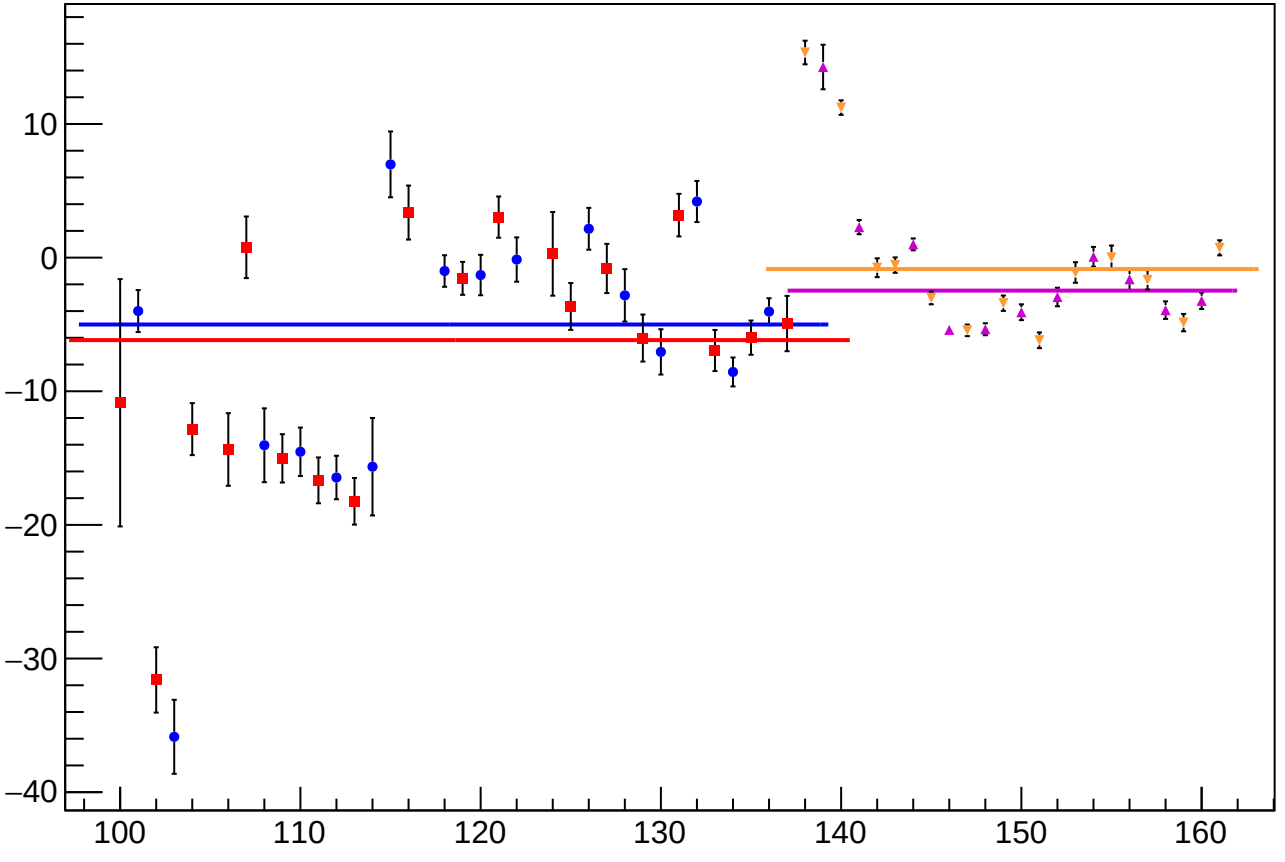
Left In: -15.532+/-0.255 χ^2/NDF:369.2/10

+ sign -16.013+/-0.204 χ^2/NDF: 2928.0/28

All: -14.199+/-0.146 χ^2/NDF: 4568.0/58

- sign -12.287+/-0.210 χ^2/NDF: 1478.0/29

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.855+/-0.167 χ^2/NDF:1111.8/12

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

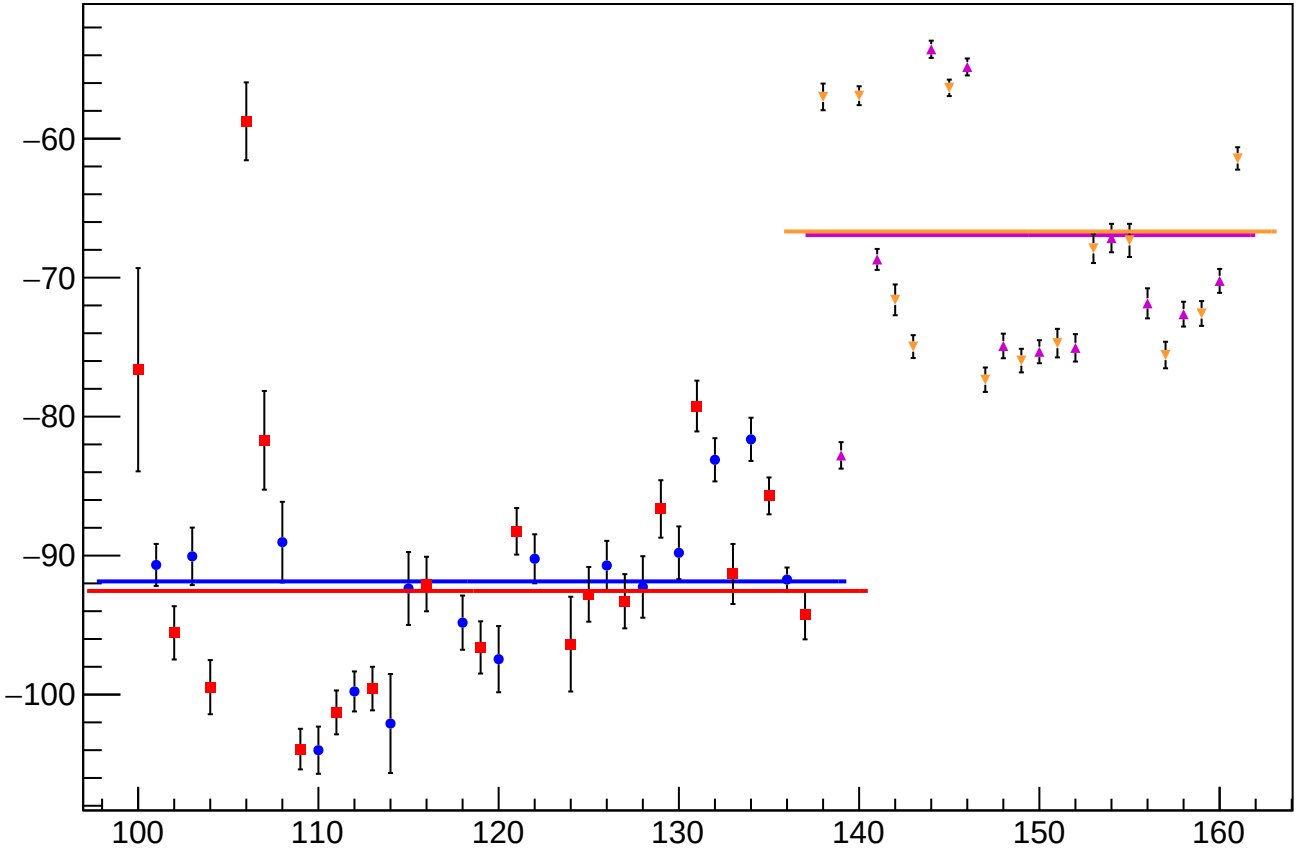
Left In: -2.468+/-0.171 χ^2/NDF:371.1/10

+ sign -1.486+/-0.154 χ^2/NDF: 1547.0/28

All: -2.225+/-0.110 χ^2/NDF: 2402.0/58

- sign -3.000+/-0.158 χ^2/NDF: 807.9/29

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -66.678+/-0.239 χ^2/NDF:1236.1/12

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

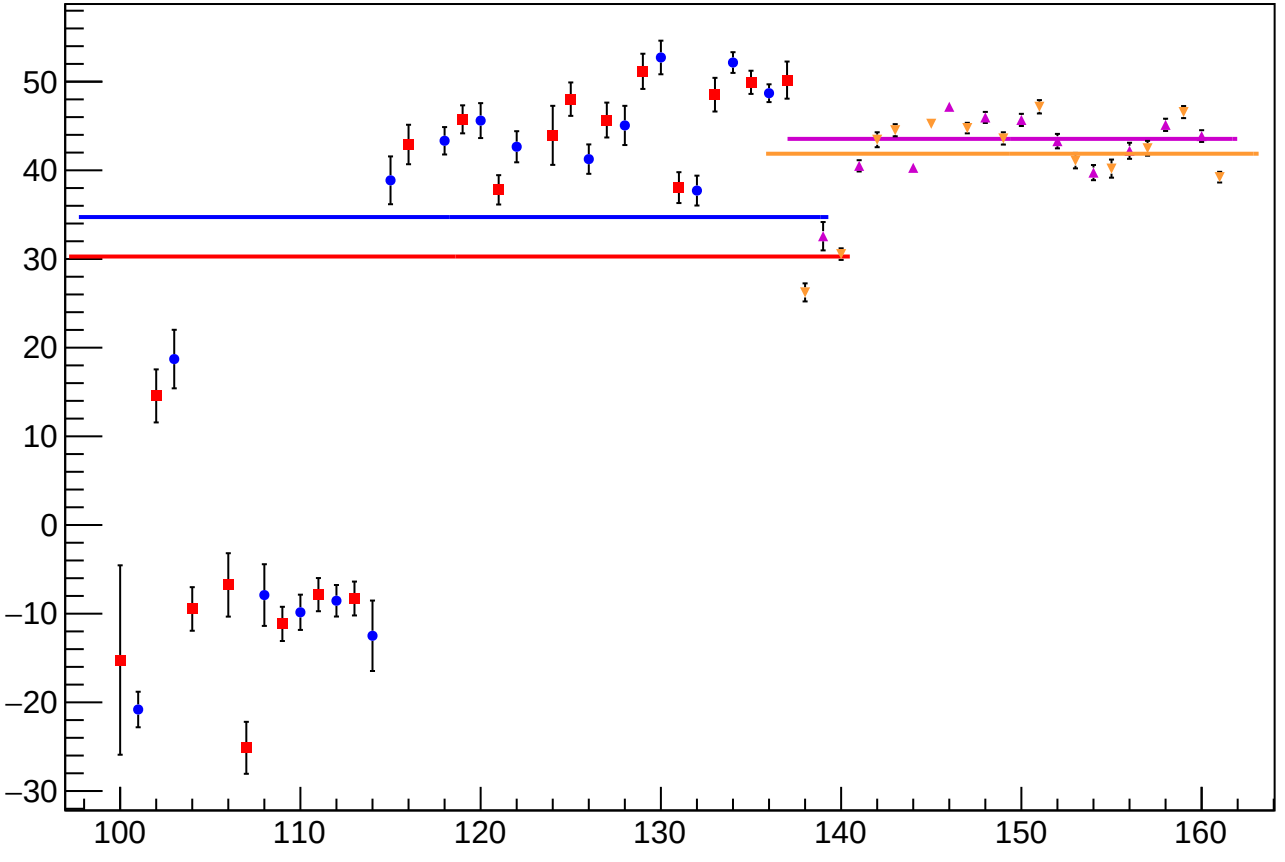
Left In: -66.936+/-0.248 χ^2/NDF:1467.8/10

+ sign -72.746+/-0.208 χ^2/NDF: 4089.3/28

All: -72.921+/-0.150 χ^2/NDF: 8525.9/58

- sign -73.108+/-0.216 χ^2/NDF: 4435.2/29

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.872+/-0.198 χ^2/NDF:740.7/12

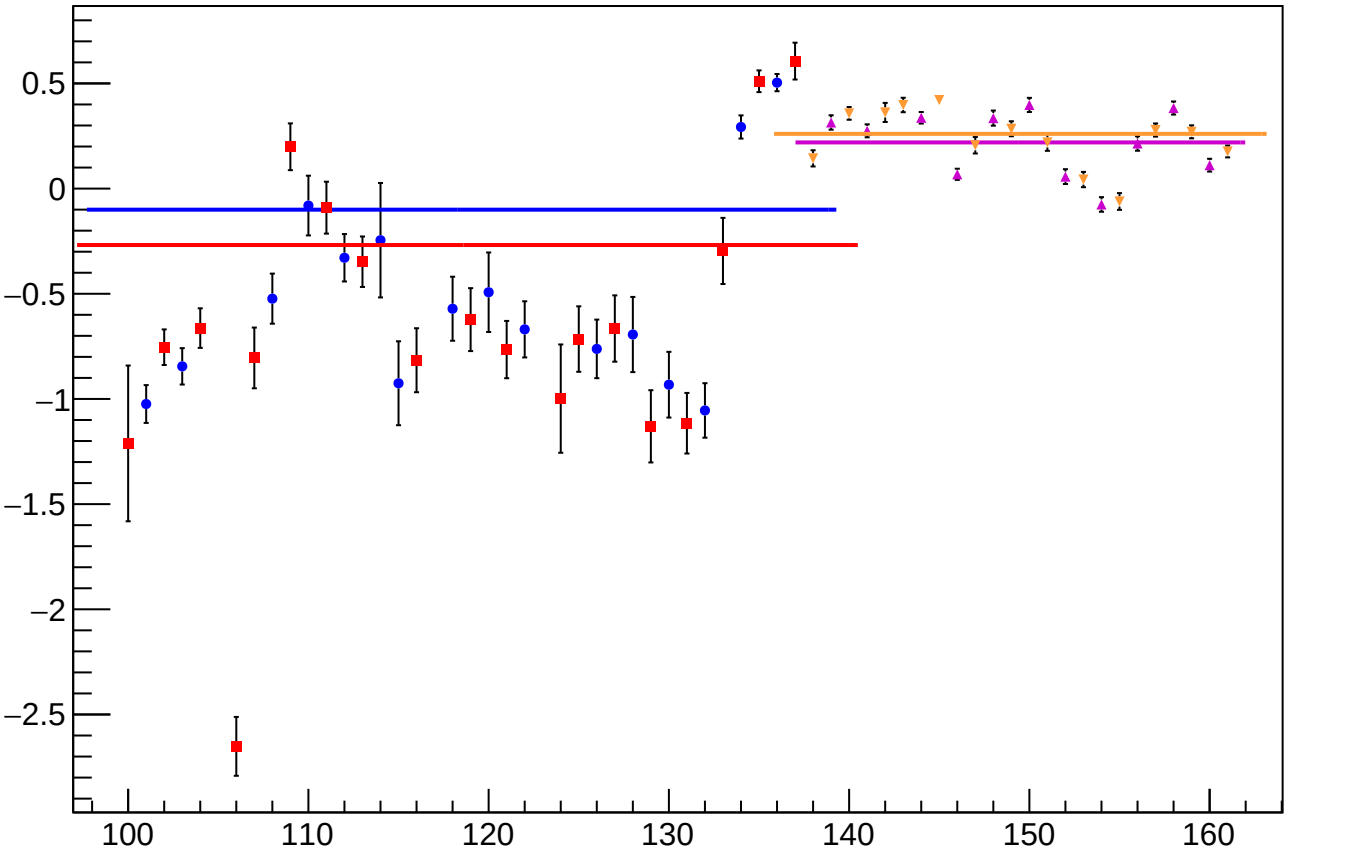
Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 43.546+/-0.203 χ^2/NDF:220.8/10

+ sign 40.677+/-0.181 χ^2/NDF: 3767.3/28

All: 41.045+/-0.130 χ^2/NDF: 7586.1/58

- sign 41.435+/-0.186 χ^2/NDF: 3810.2/29



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.260+/-0.009 χ^2/NDF:200.8/12

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

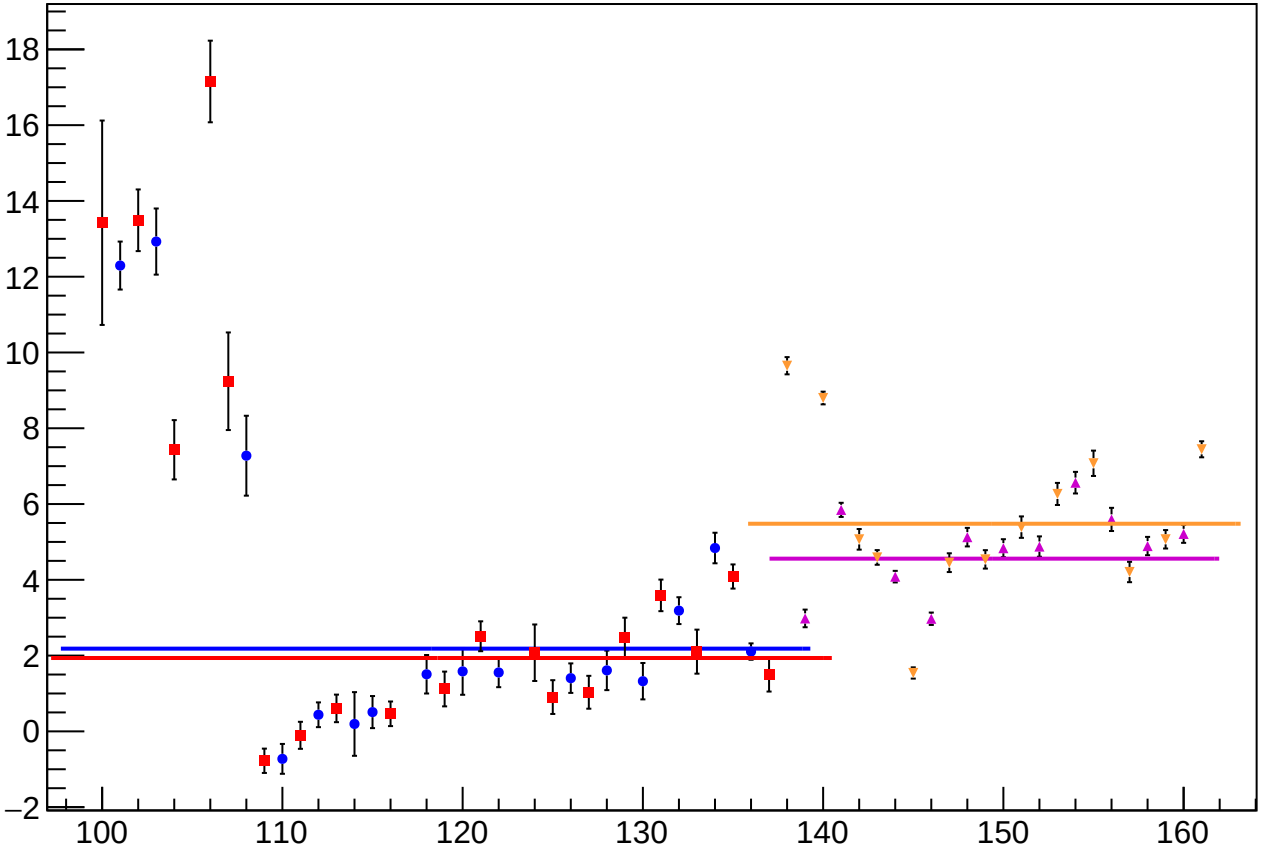
Left In: 0.220+/-0.010 χ^2/NDF:233.8/10

+ sign 0.214+/-0.009 χ^2/NDF: 1028.3/28

All: 0.189+/-0.006 χ^2/NDF: 2404.2/58

- sign 0.163+/-0.009 χ^2/NDF: 1359.0/29

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.480+/-0.062 χ^2/NDF:1626.6/12

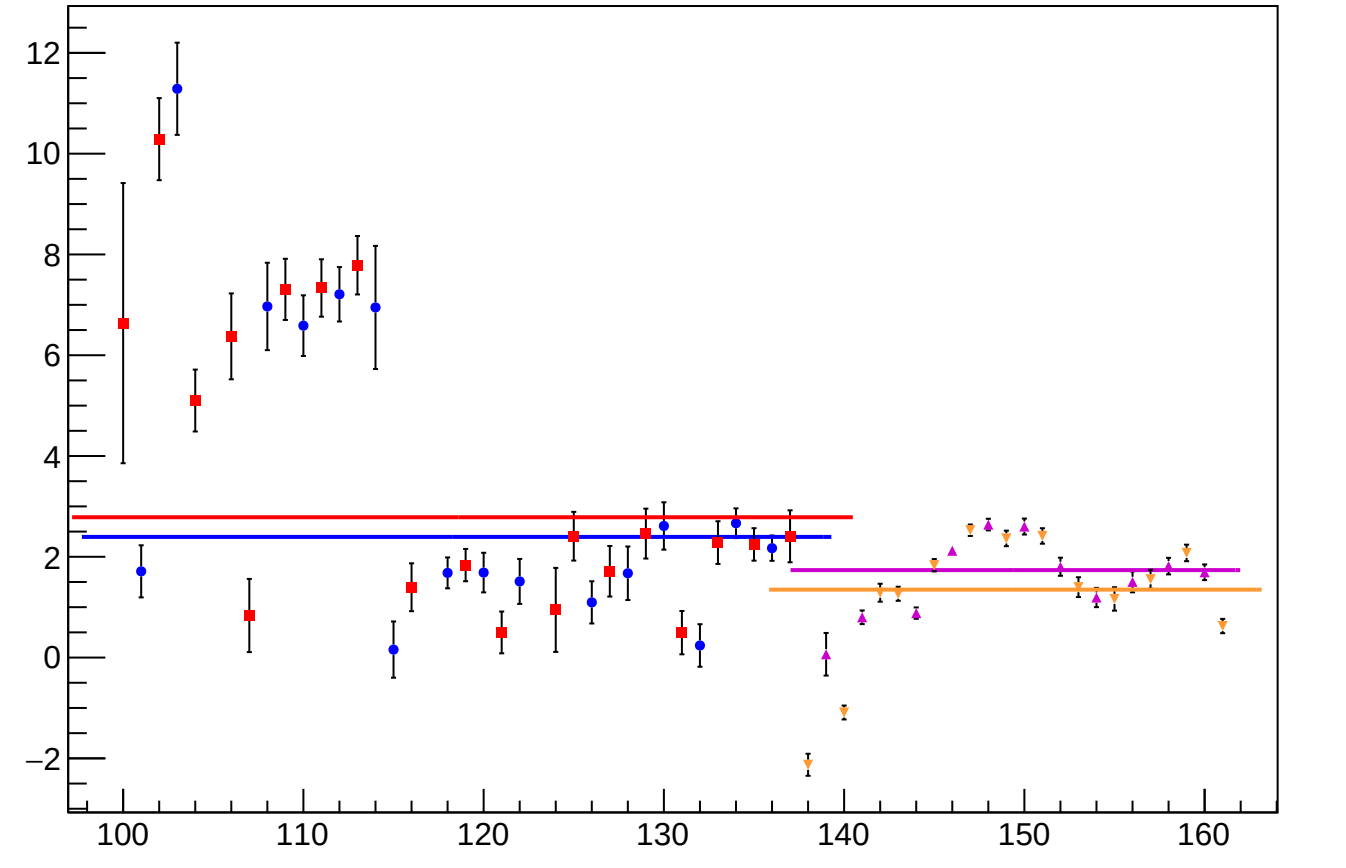
Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 4.559+/-0.065 χ^2/NDF:276.0/10

+ sign 4.626+/-0.053 χ^2/NDF: 2956.4/28

All: 4.244+/-0.039 χ^2/NDF: 4502.6/58

- sign 3.830+/-0.056 χ^2/NDF: 1439.5/29



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.348+/-0.043 χ^2/NDF:826.7/12

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

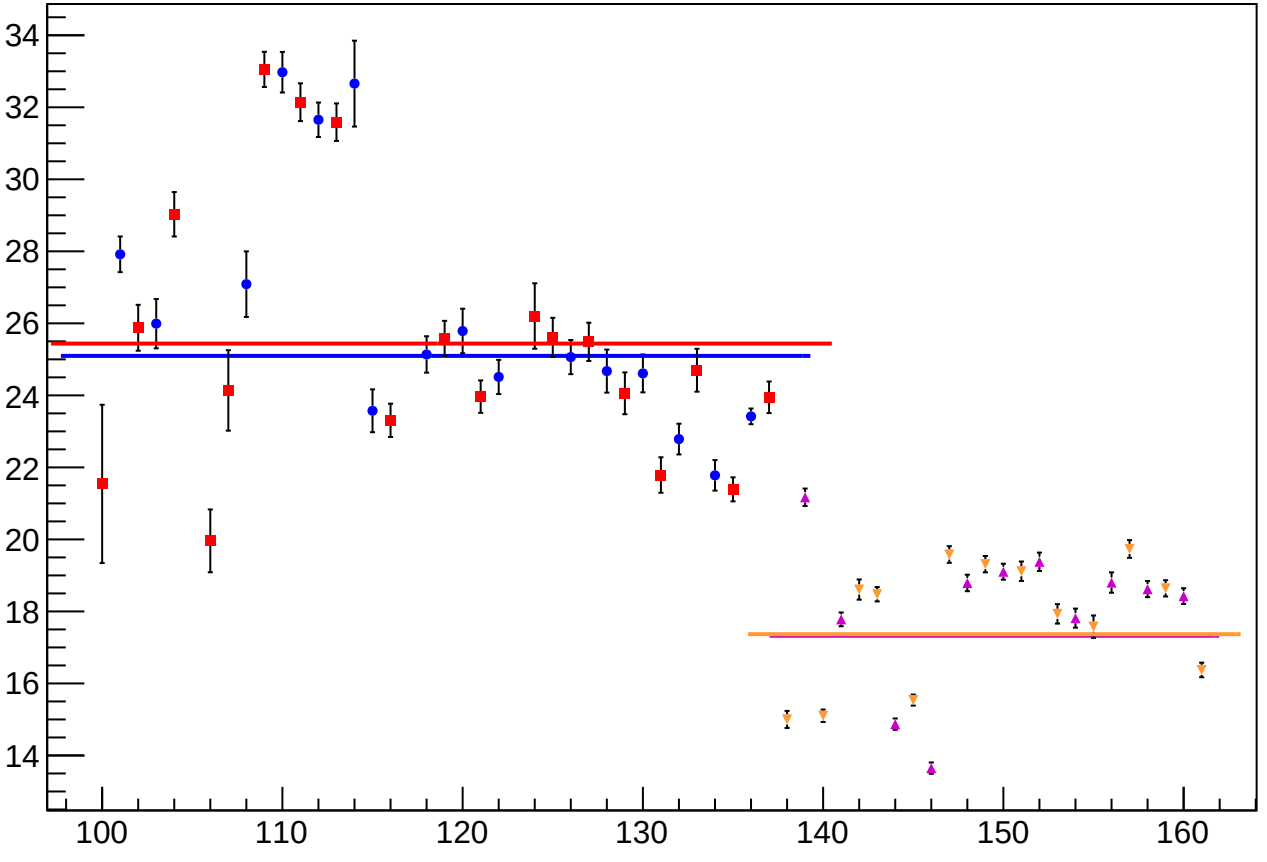
Left In: 1.736+/-0.044 χ^2/NDF:237.6/10

+ sign 1.490+/-0.040 χ^2/NDF: 1241.3/28

All: 1.673+/-0.029 χ^2/NDF: 2005.1/58

- sign 1.866+/-0.041 χ^2/NDF: 720.3/29

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: 17.368+/-0.061 χ^2/NDF:825.2/12

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

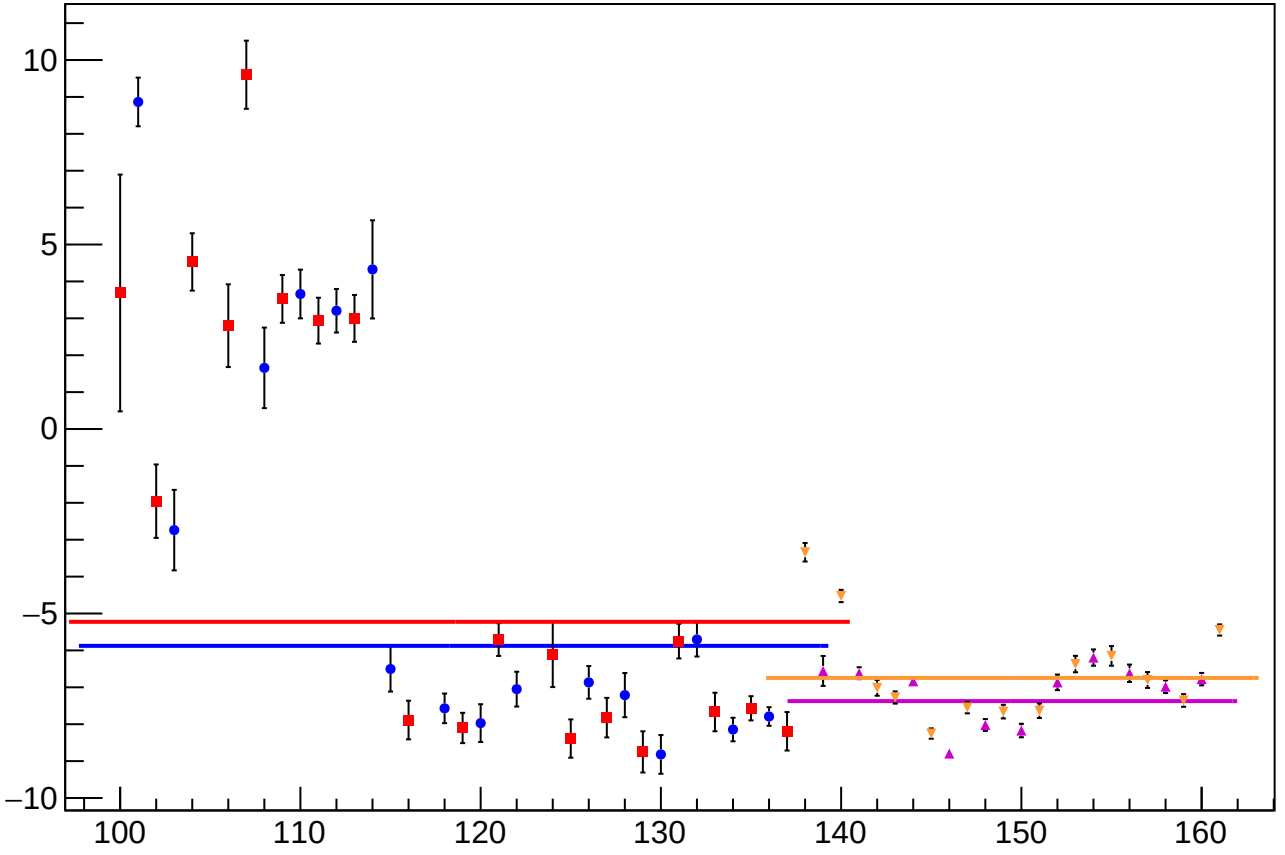
Left In: 17.324+/-0.064 χ^2/NDF:1307.6/10

+ sign 19.010+/-0.054 χ^2/NDF: 4853.1/28

All: 19.011+/-0.039 χ^2/NDF: 10427.9/58

- sign 19.012+/-0.057 χ^2/NDF: 5574.8/29

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.745+/-0.051 χ^2/NDF:653.7/12

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

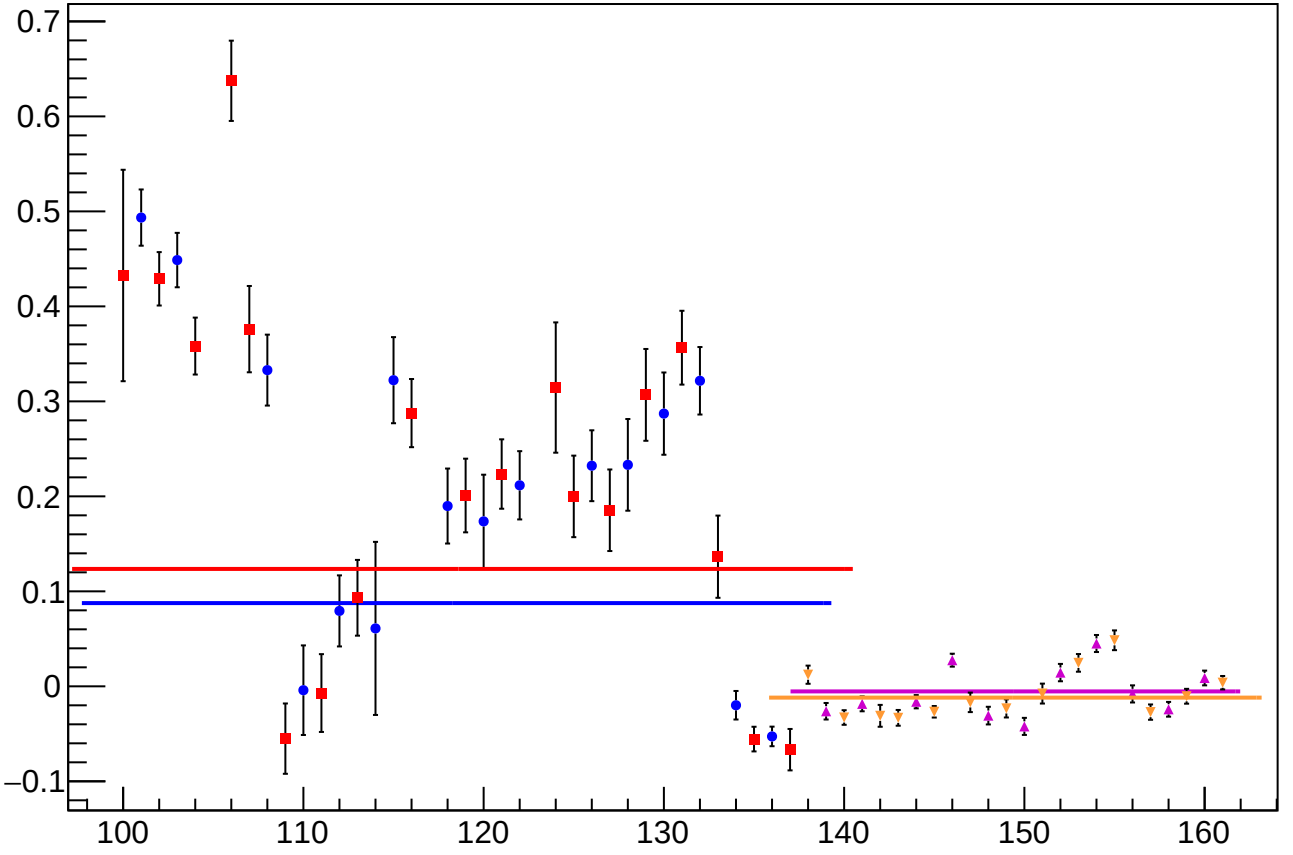
Left In: -7.374+/-0.052 χ^2/NDF:279.9/10

+ sign -6.615+/-0.047 χ^2/NDF: 1949.2/28

All: -6.837+/-0.034 χ^2/NDF: 3805.0/58

- sign -7.074+/-0.048 χ^2/NDF: 1809.1/29

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: -0.012+/-0.002 χ^2/NDF:88.7/12

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

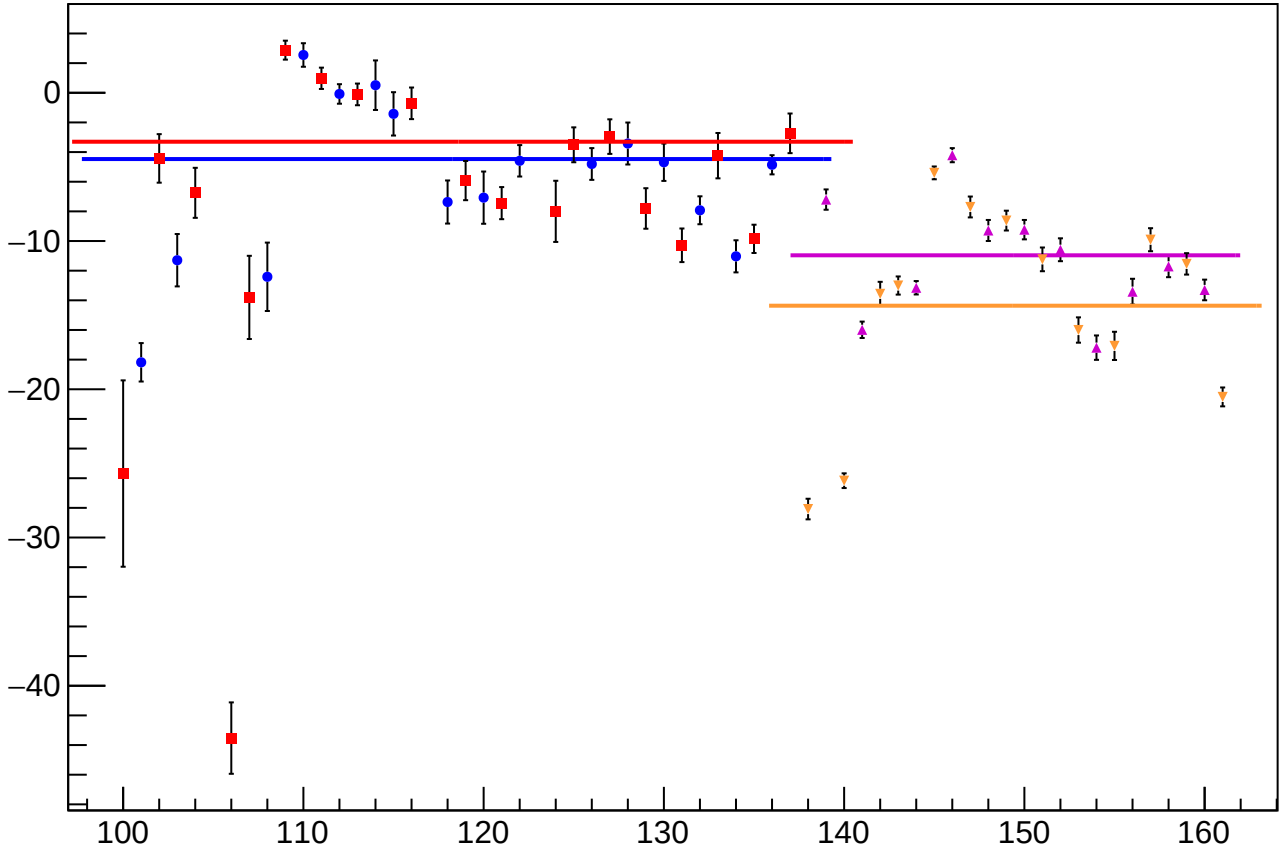
Left In: -0.005+/-0.002 χ^2/NDF:104.2/10

+ sign -0.001+/-0.002 χ^2/NDF: 1058.6/28

All: 0.003+/-0.002 χ^2/NDF: 2209.8/58

- sign 0.008+/-0.002 χ^2/NDF: 1144.6/29

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.363+/-0.183 χ^2/NDF:1721.8/12

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

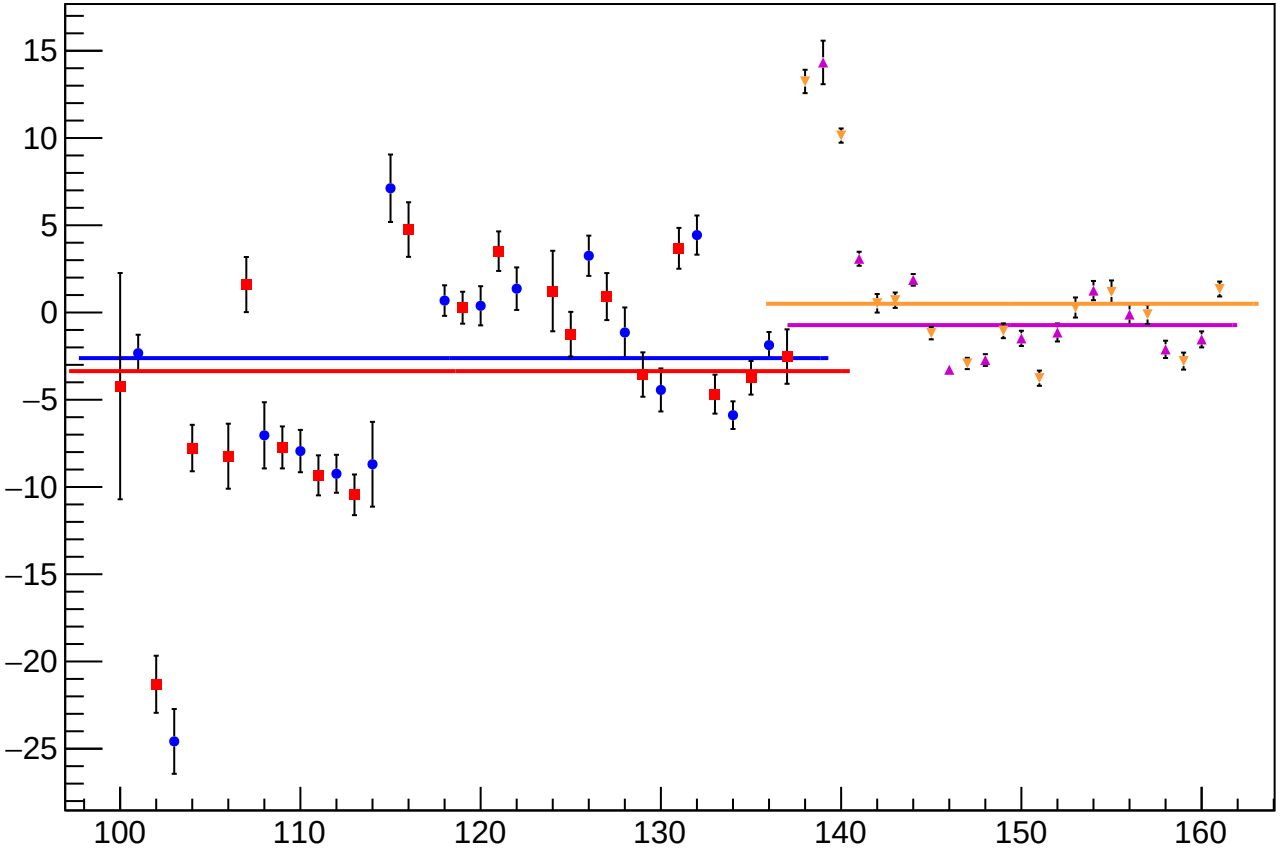
Left In: -10.963+/-0.191 χ^2/NDF:427.6/10

+ sign -11.234+/-0.151 χ^2/NDF: 2982.1/28

All: -9.792+/-0.108 χ^2/NDF: 4742.2/58

- sign -8.290+/-0.154 χ^2/NDF: 1573.9/29

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.500+/-0.126 χ^2/NDF:1211.6/12

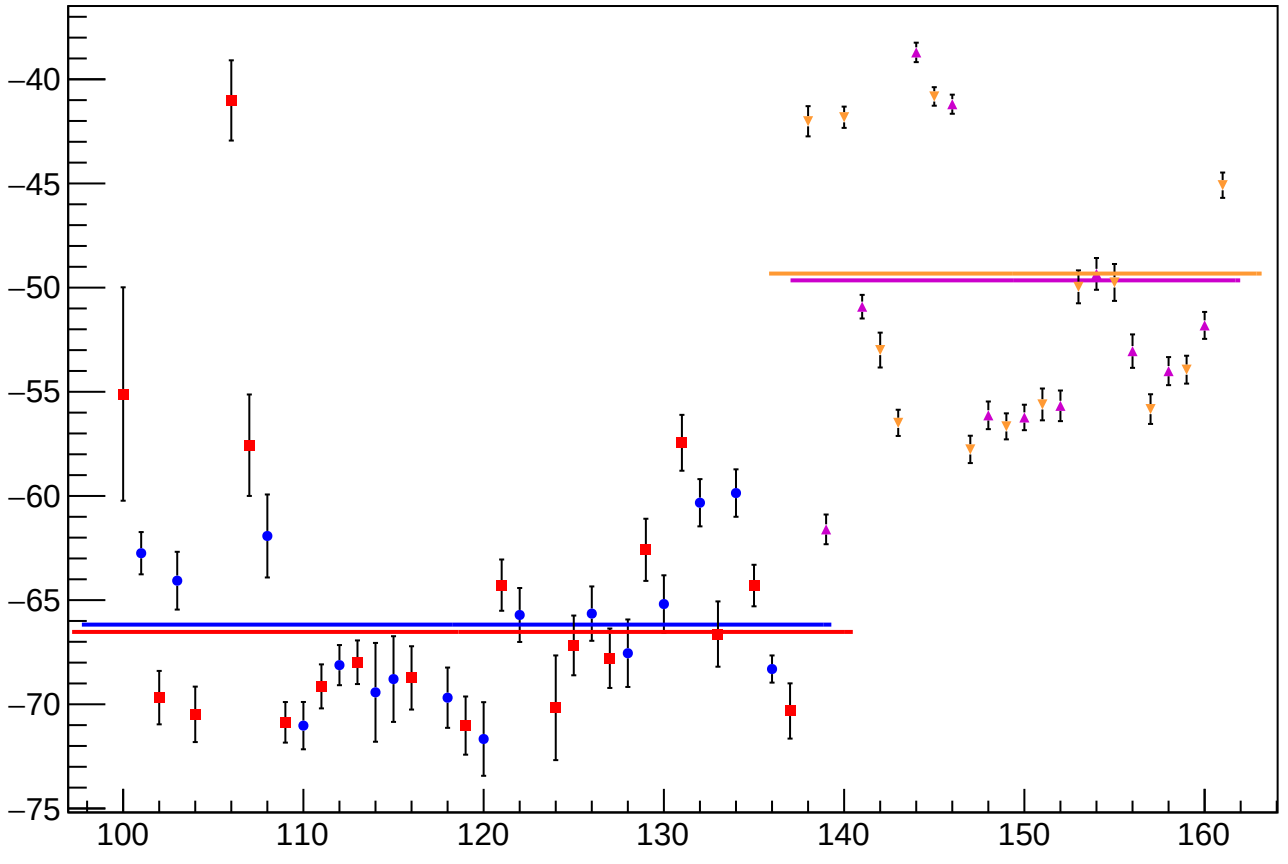
Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: -0.722+/-0.128 χ^2/NDF:440.8/10

+ sign -0.004+/-0.115 χ^2/NDF: 1663.2/28

All: -0.554+/-0.082 χ^2/NDF: 2576.4/58

- sign -1.131+/-0.118 χ^2/NDF: 866.3/29



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -49.325+/-0.179 χ^2/NDF:1383.3/12

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

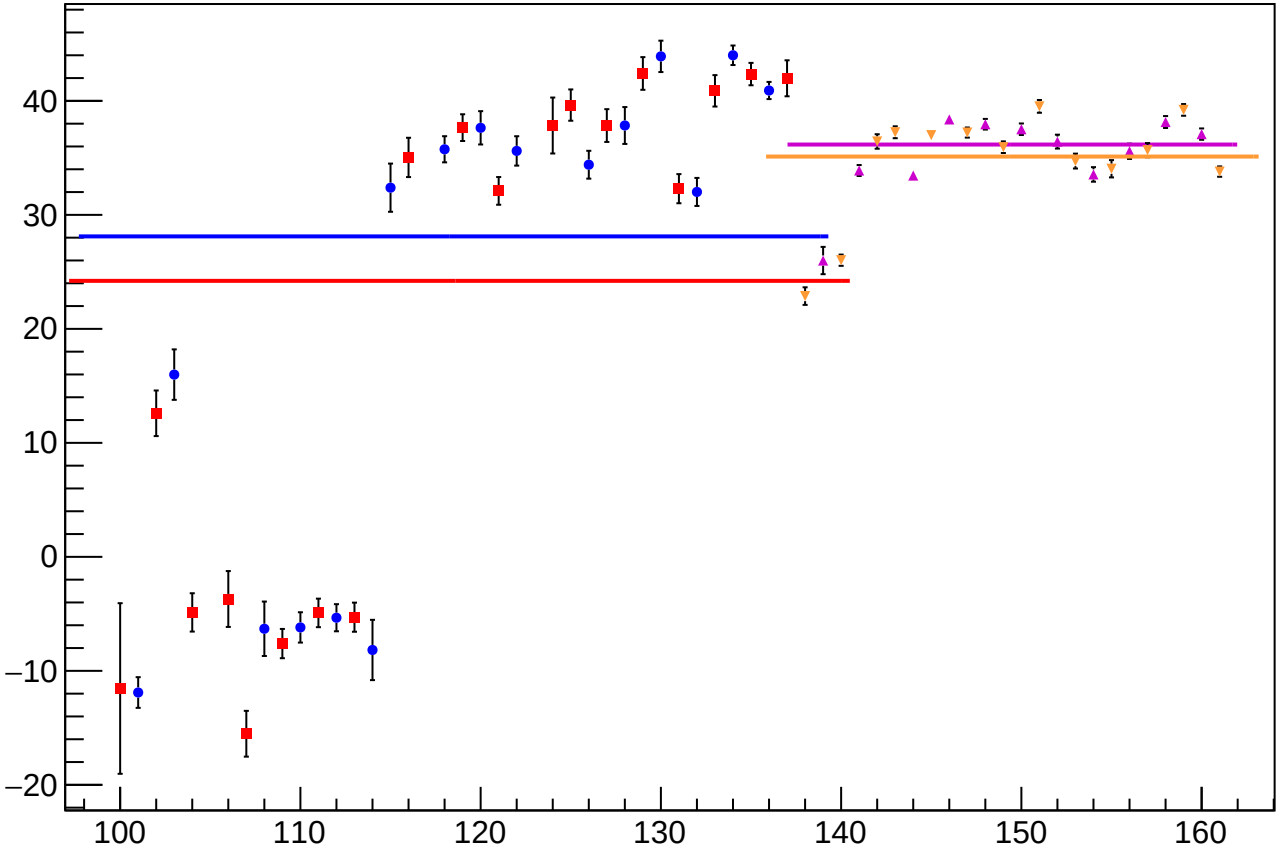
Left In: -49.652+/-0.185 χ^2/NDF:1524.5/10

+ sign -53.665+/-0.154 χ^2/NDF: 3788.9/28

All: -53.849+/-0.111 χ^2/NDF: 7794.9/58

- sign -54.047+/-0.159 χ^2/NDF: 4003.0/29

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 35.116+/-0.149 χ^2/NDF:796.7/12

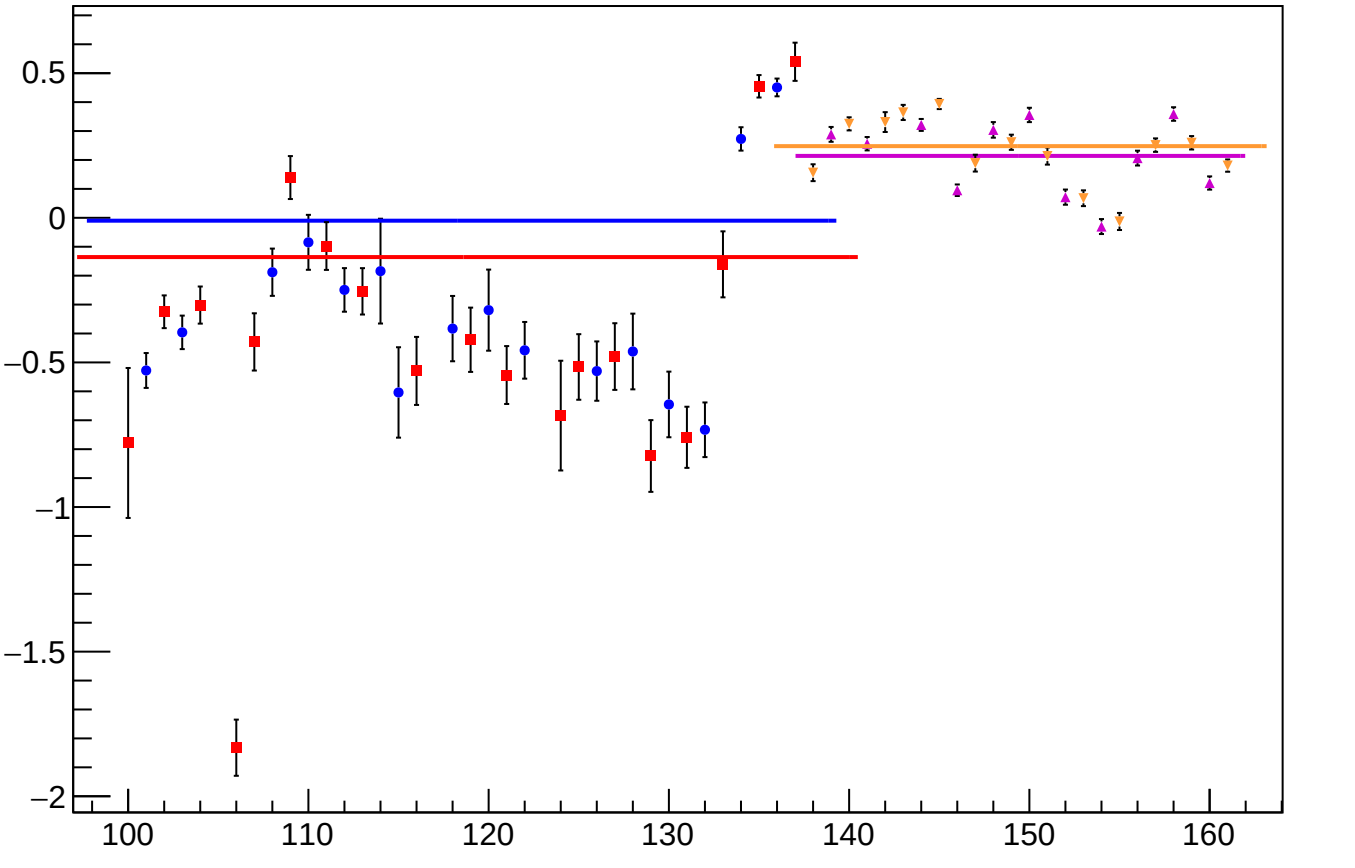
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 36.170+/-0.152 χ^2/NDF:238.7/10

+ sign 33.873+/-0.135 χ^2/NDF: 4918.6/28

All: 33.996+/-0.097 χ^2/NDF: 10053.3/58

- sign 34.126+/-0.139 χ^2/NDF: 5133.0/29



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.248+/-0.007 χ^2/NDF:252.9/12

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

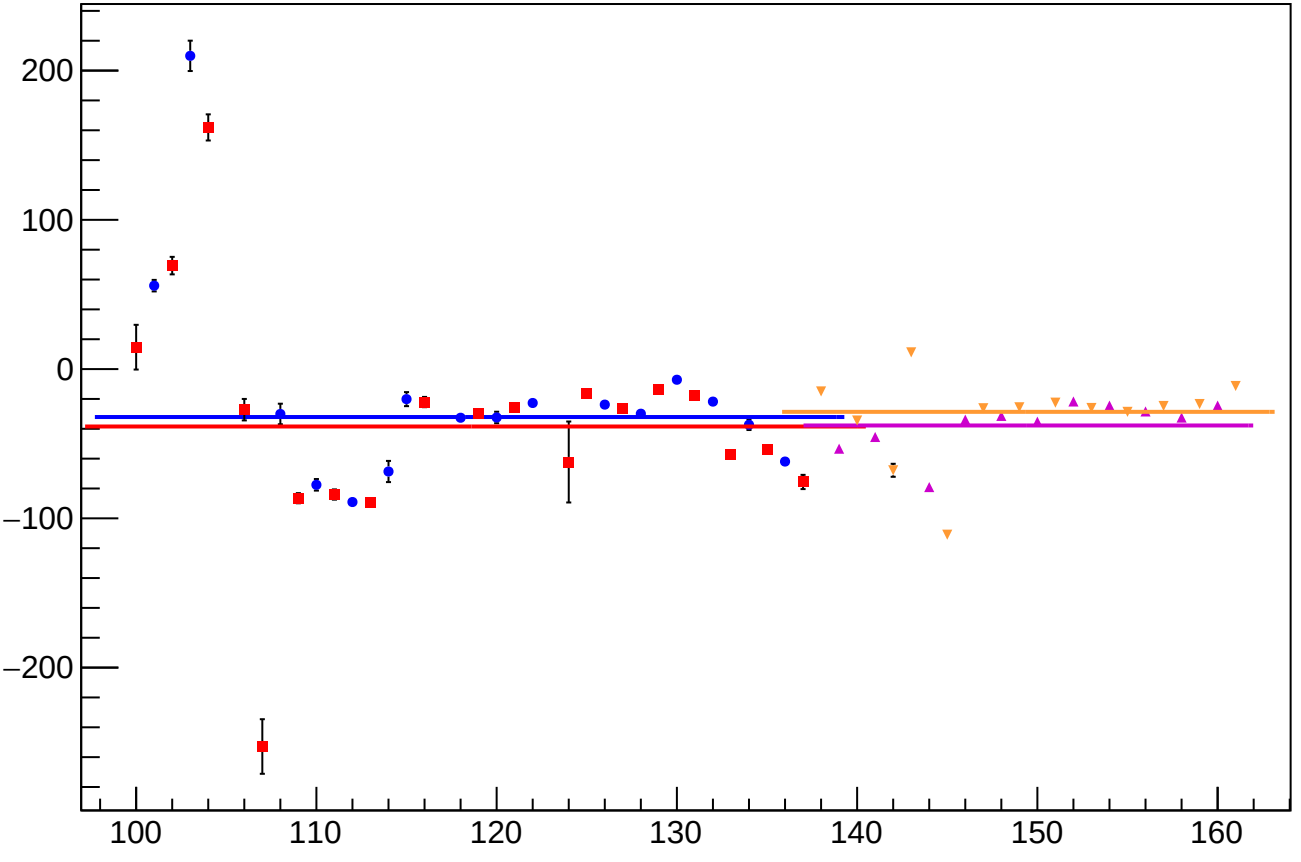
Left In: 0.214+/-0.007 χ^2/NDF:291.3/10

+ sign 0.212+/-0.006 χ^2/NDF: 1031.0/28

All: 0.192+/-0.005 χ^2/NDF: 2463.1/58

- sign 0.170+/-0.007 χ^2/NDF: 1411.2/29

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -28.643+/-0.817 χ^2/NDF:971.0/12

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

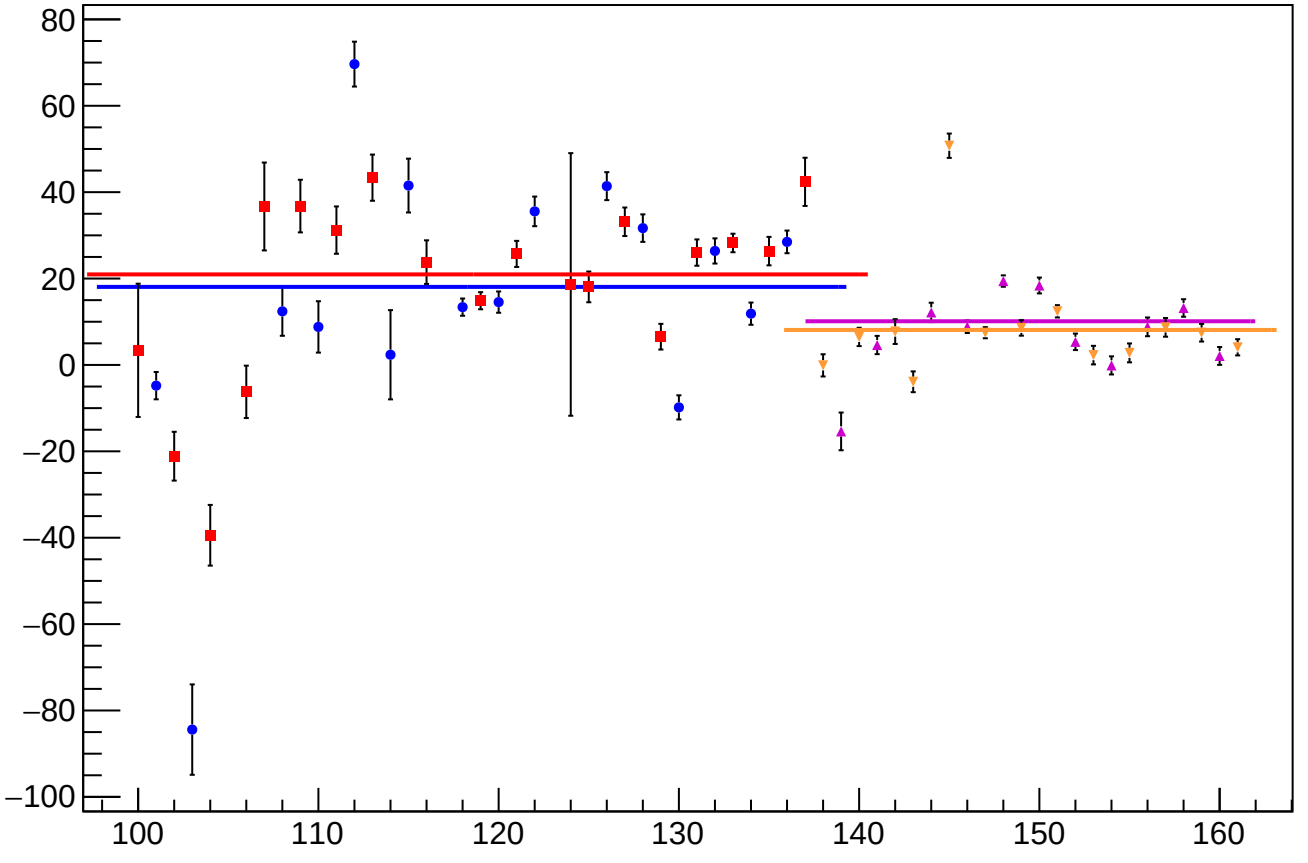
Left In: -37.779+/-0.860 χ^2/NDF:321.9/10

+ sign -30.327+/-0.587 χ^2/NDF: 2857.2/28

All: -34.074+/-0.423 χ^2/NDF: 5236.7/58

- sign -38.118+/-0.610 χ^2/NDF: 2294.7/29

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 8.100+/-0.546 χ^2/NDF:292.4/12

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

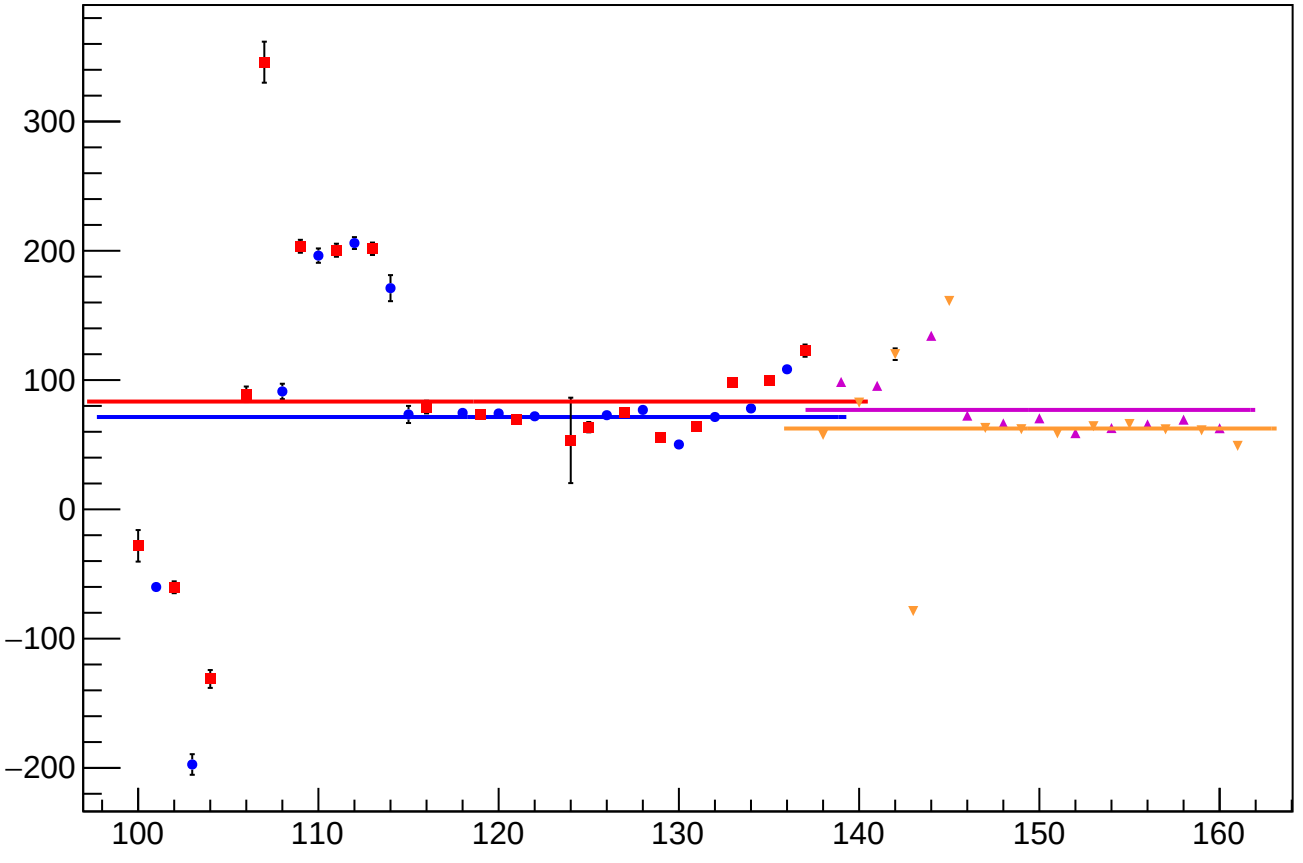
Left In: 10.113+/-0.577 χ^2/NDF:160.3/10

+ sign 11.150+/-0.455 χ^2/NDF: 893.9/28

All: 12.229+/-0.330 χ^2/NDF: 1437.0/58

- sign 13.431+/-0.480 χ^2/NDF: 531.2/29

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 62.530+/-0.791 χ^2/NDF:2906.1/12

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

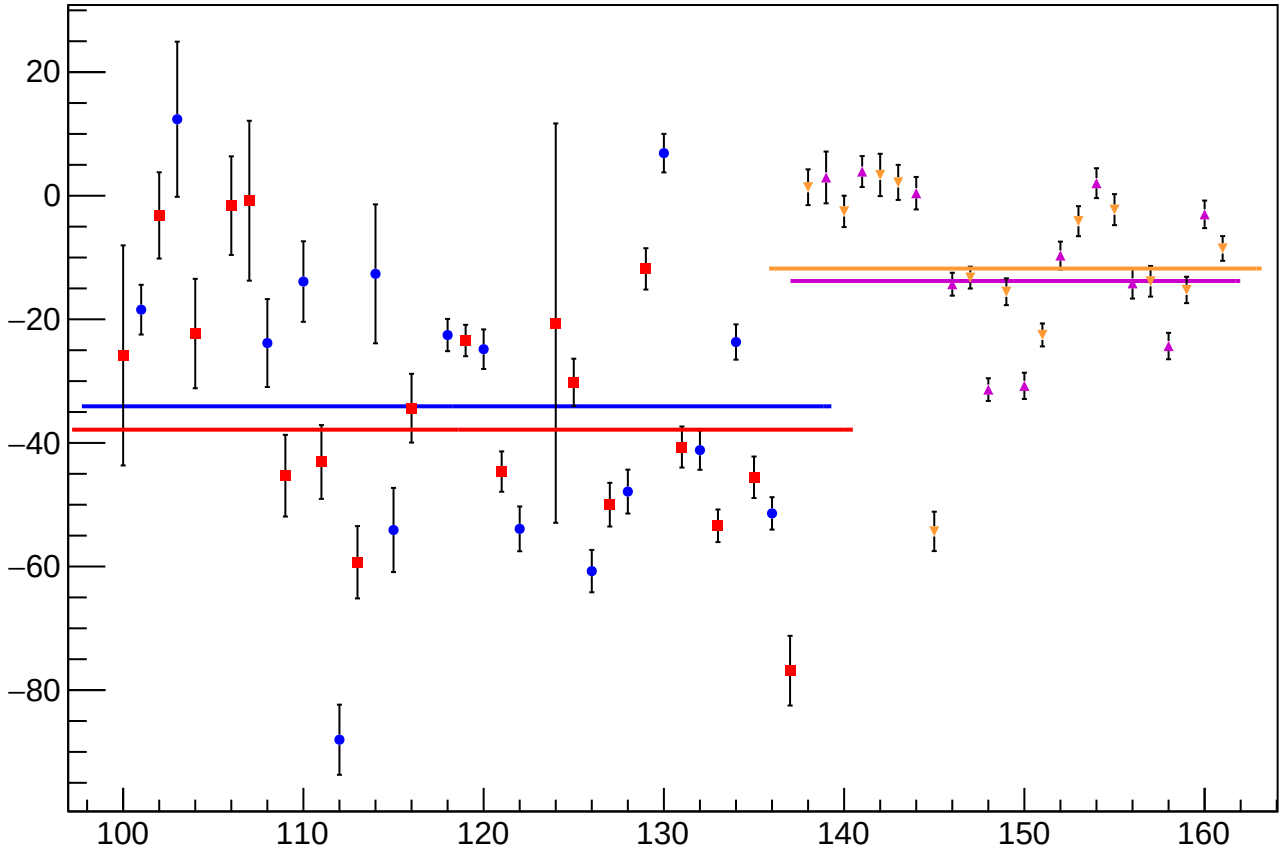
Left In: 76.919+/-0.827 χ^2/NDF:588.1/10

+ sign 66.258+/-0.603 χ^2/NDF: 7778.6/28

All: 72.595+/-0.437 χ^2/NDF: 12921.7/58

- sign 79.593+/-0.634 χ^2/NDF: 4910.7/29

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.785+/-0.650 χ^2/NDF:323.2/12

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

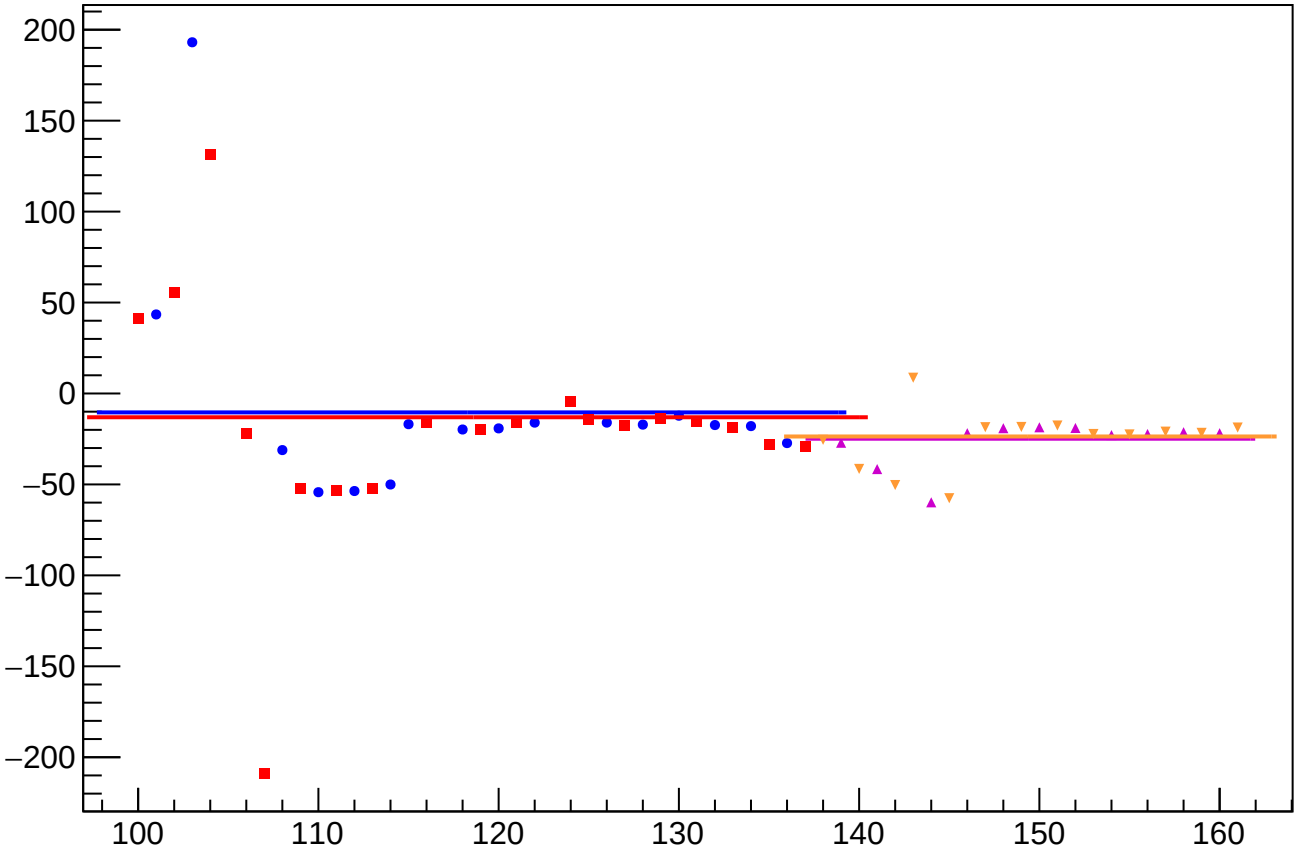
Left In: -13.796+/-0.686 χ^2/NDF:344.8/10

\+ sign -18.977+/-0.535 χ^2/NDF: 1213.5/28

All: -20.200+/-0.388 χ^2/NDF: 2240.9/58

\- sign -21.562+/-0.565 χ^2/NDF: 1016.3/29

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -23.644+/-0.030 χ^2/NDF:179904.3/12

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

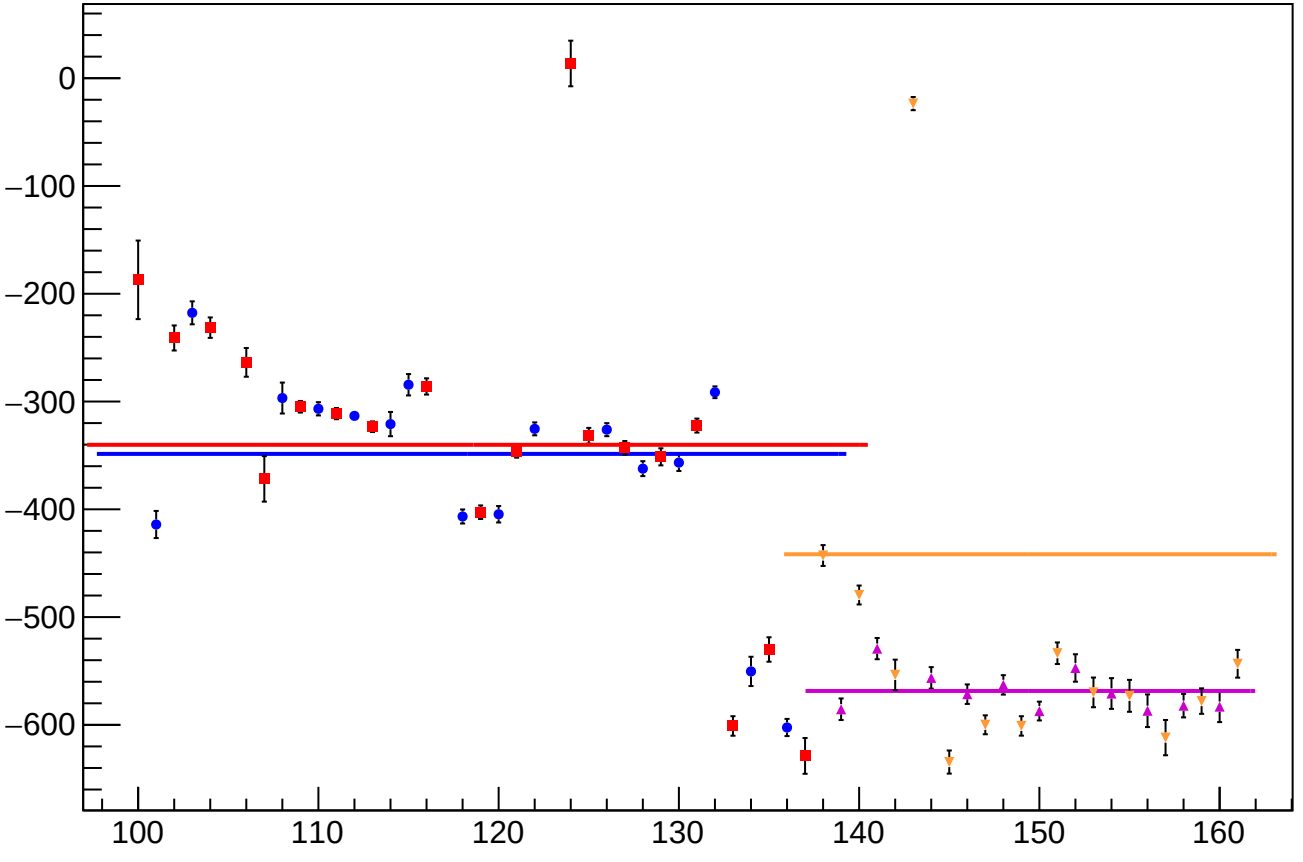
Left In: -24.872+/-0.031 χ^2/NDF:96732.3/10

+ sign -20.759+/-0.027 χ^2/NDF: 744733.1/28

All: -21.618+/-0.019 χ^2/NDF: 1321804.3/58

- sign -22.557+/-0.028 χ^2/NDF: 574875.7/29

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -441.706+/-2.818 χ^2/NDF:6259.1/12

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

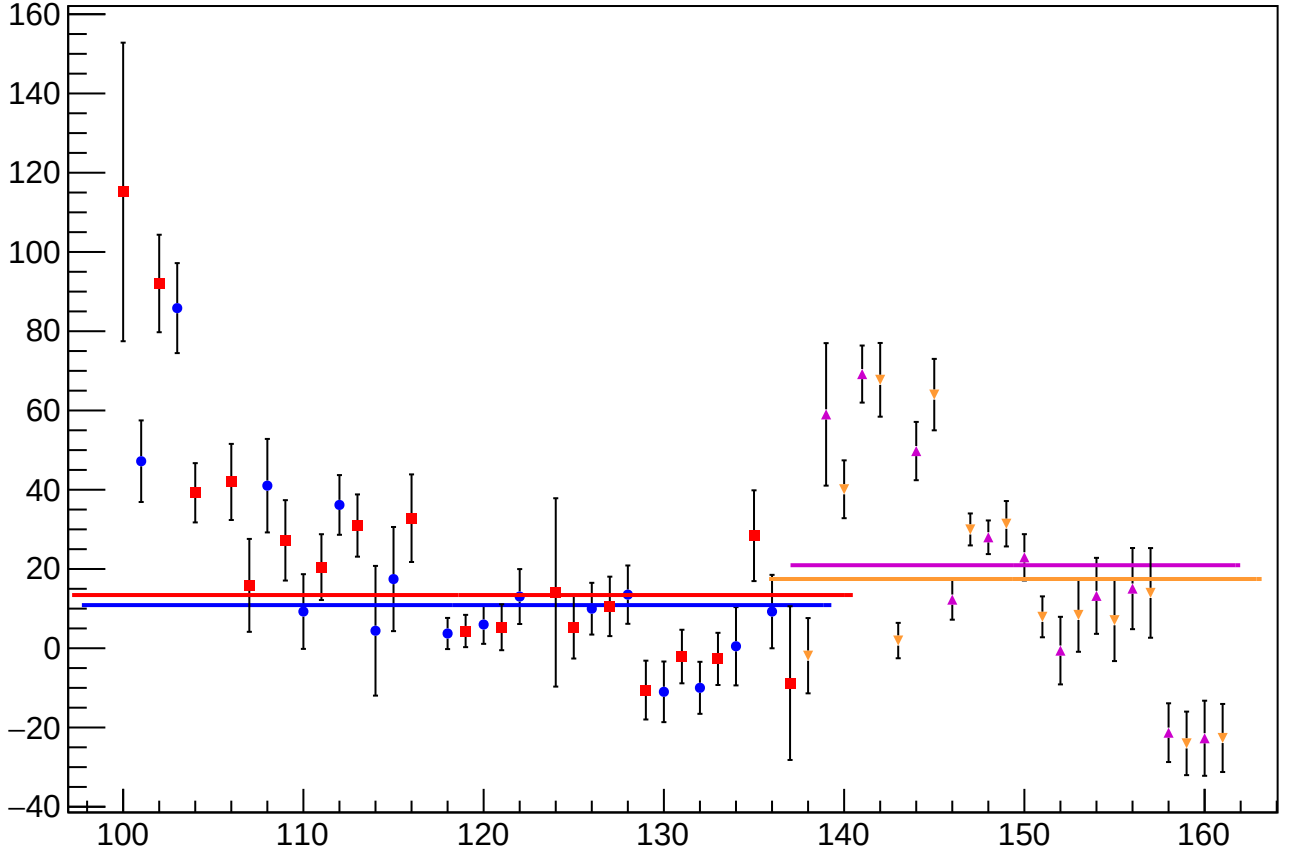
Left In: -568.540+/-3.217 χ^2/NDF:32.2/10

\+ sign -376.101+/-1.532 χ^2/NDF: 8886.9/28

All: -384.350+/-1.087 χ^2/NDF: 15054.7/58

\- sign -392.731+/-1.544 χ^2/NDF: 6109.4/29

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 17.477+/-1.853 χ^2/NDF:151.3/12

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

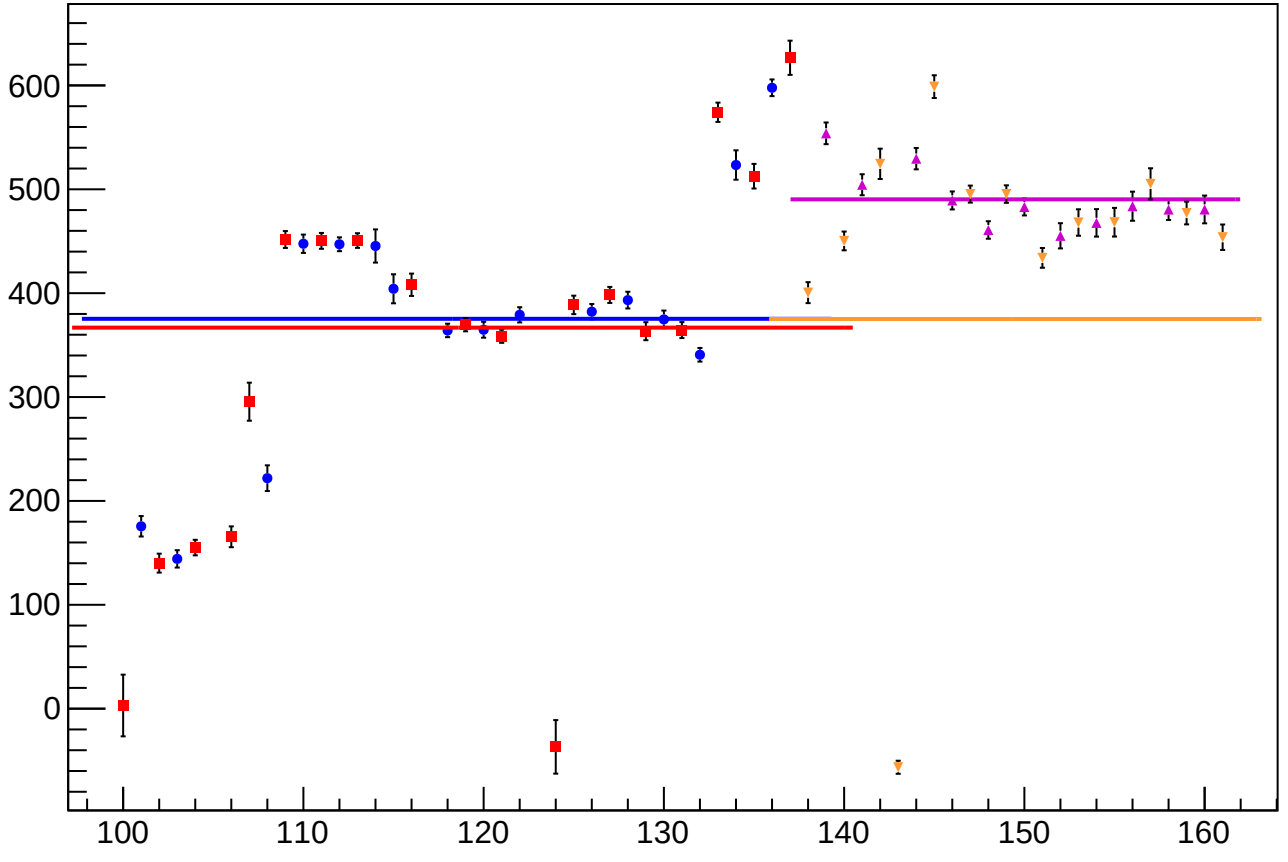
Left In: 20.952+/-2.094 χ^2/NDF:131.6/10

+ sign 14.164+/-1.307 χ^2/NDF: 255.9/28

All: 15.372+/-0.951 χ^2/NDF: 509.0/58

- sign 16.735+/-1.388 χ^2/NDF: 251.2/29

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 375.146+/-2.761 χ^2/NDF:6053.6/12

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

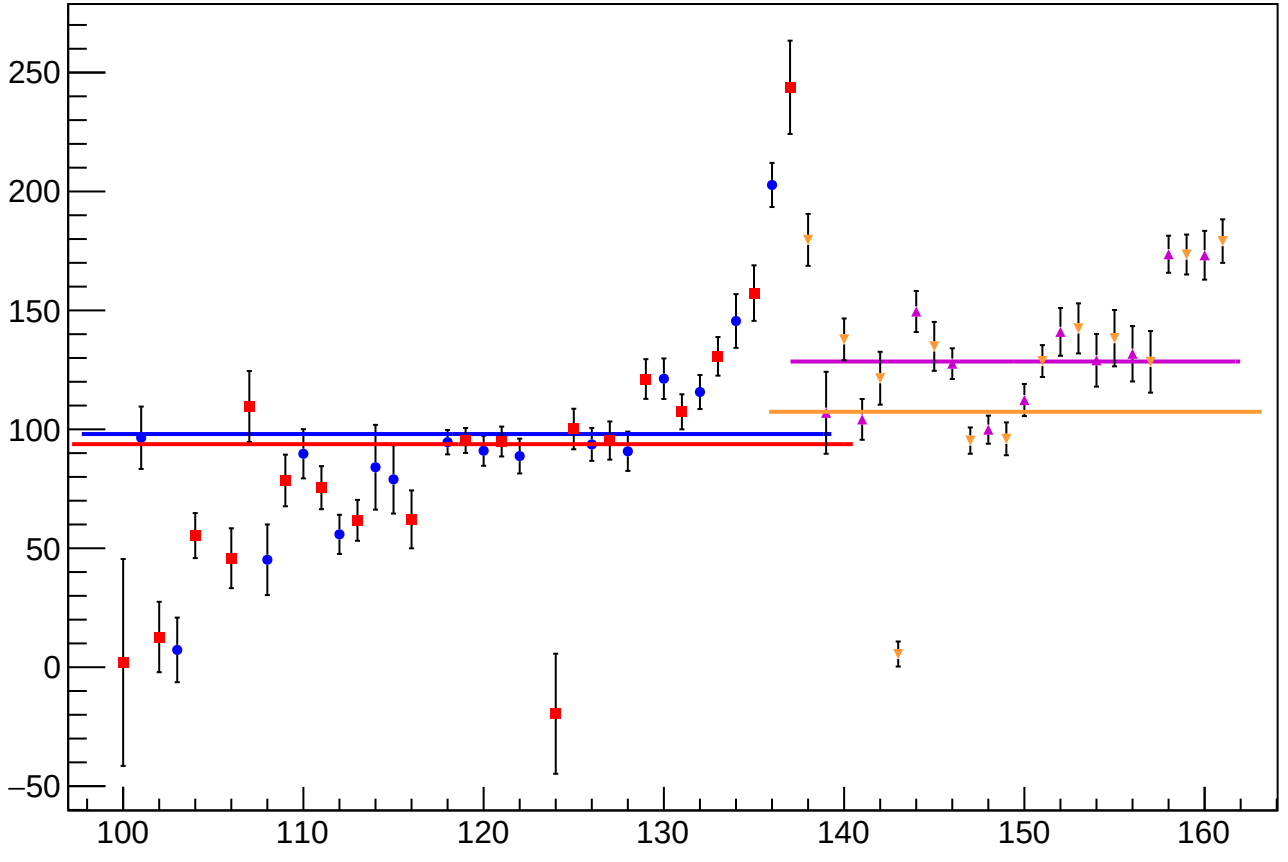
Left In: 490.329+/-3.101 χ^2/NDF:79.6/10

+ sign 375.256+/-1.673 χ^2/NDF: 8503.1/28

All: 389.492+/-1.196 χ^2/NDF: 13375.6/58

- sign 404.366+/-1.710 χ^2/NDF: 4724.4/29

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 107.368+/-2.240 χ^2/NDF:600.9/12

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

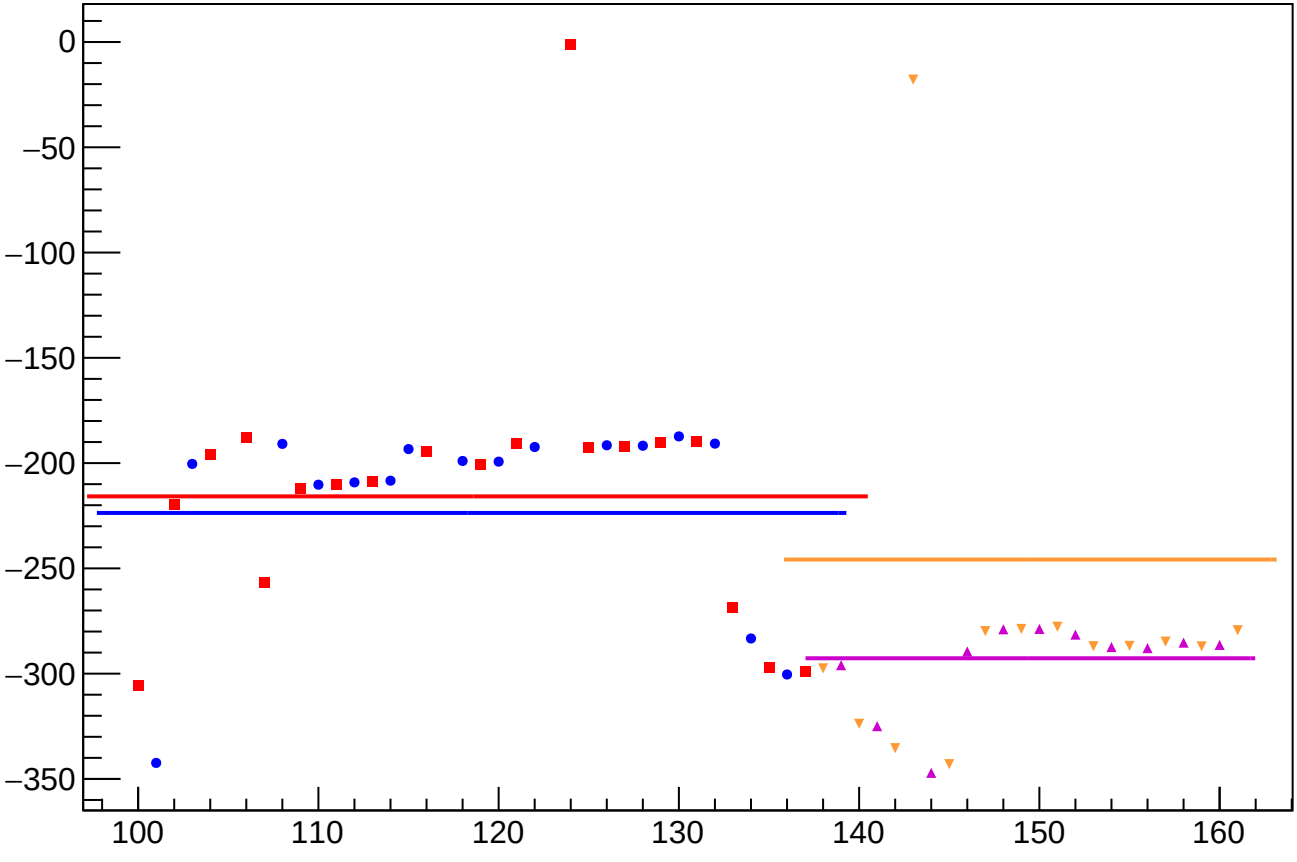
Left In: 128.514+/-2.529 χ^2/NDF:98.9/10

+ sign 102.489+/-1.549 χ^2/NDF: 859.4/28

All: 105.220+/-1.124 χ^2/NDF: 1312.0/58

- sign 108.254+/-1.633 χ^2/NDF: 446.0/29

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -245.800+/-0.109 χ^2/NDF:952104.5/12

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

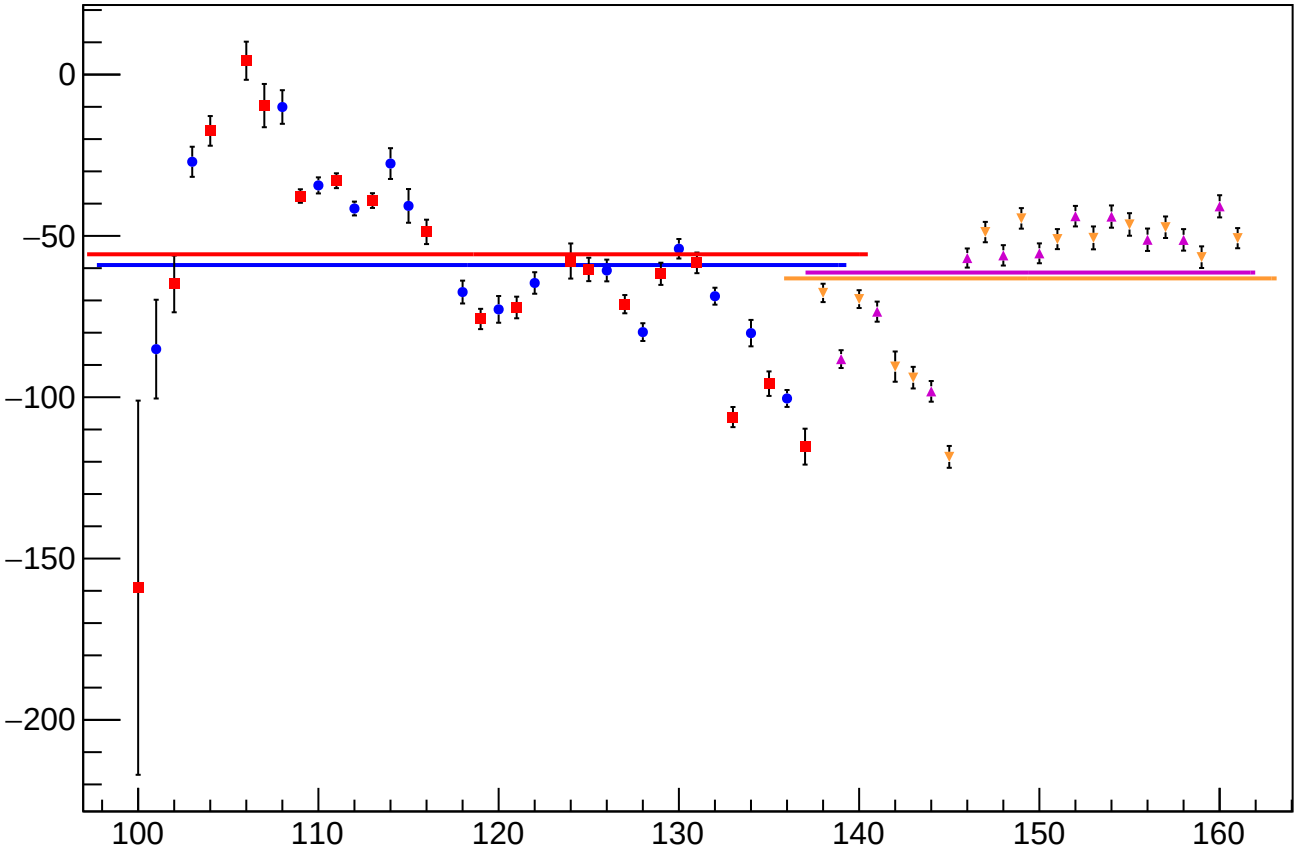
Left In: -292.698+/-0.119 χ^2/NDF:25110.8/10

+ sign -237.302+/-0.086 χ^2/NDF: 1089415.0/28

All: -247.657+/-0.062 χ^2/NDF: 1410011.9/58

- sign -258.852+/-0.089 χ^2/NDF: 290203.5/29

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -63.174+/-0.905 χ^2/NDF:540.8/12

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

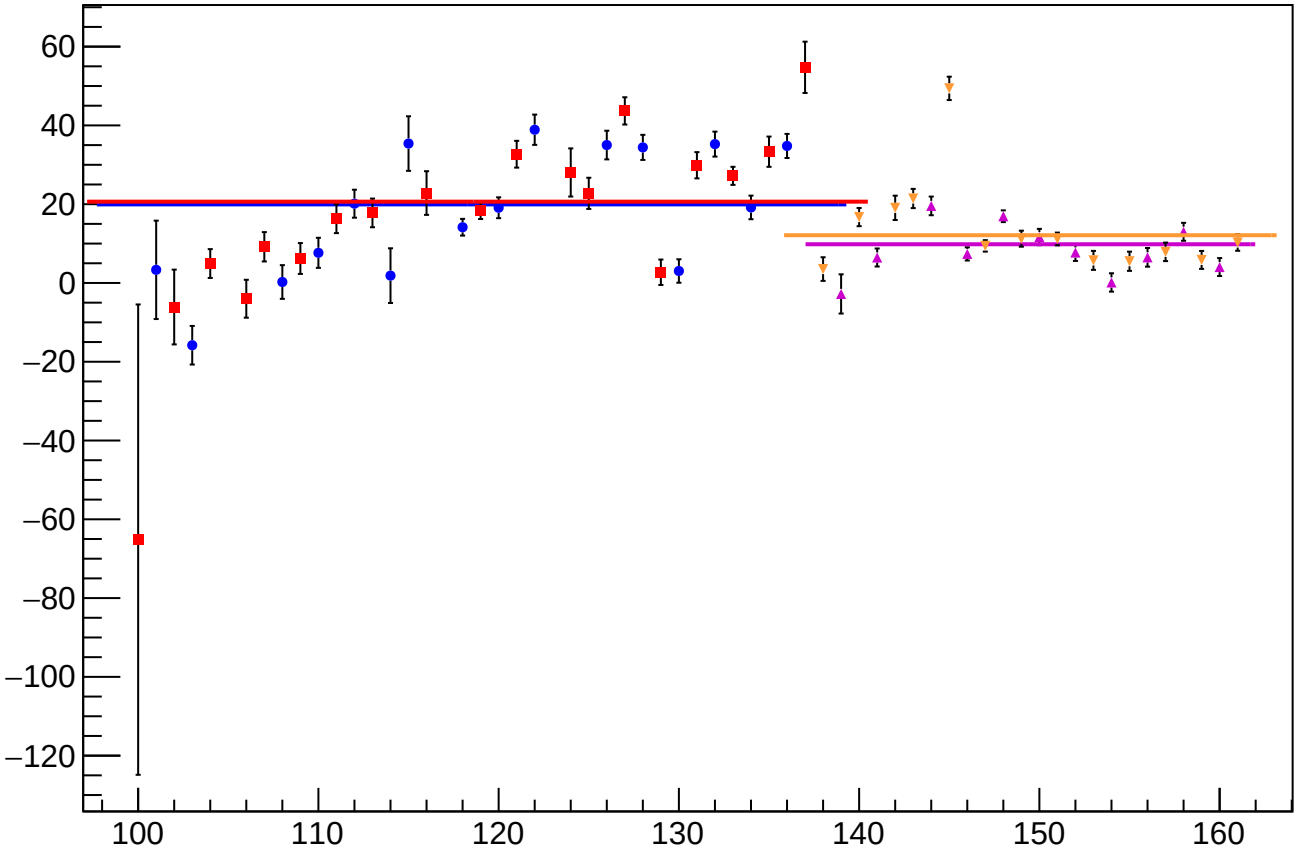
Left In: -61.358+/-0.957 χ^2/NDF:359.3/10

+ sign -60.922+/-0.611 χ^2/NDF: 1279.5/28

All: -59.453+/-0.432 χ^2/NDF: 2712.3/58

- sign -57.993+/-0.609 χ^2/NDF: 1421.2/29

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 12.116+/-0.606 χ^2/NDF:219.9/12

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

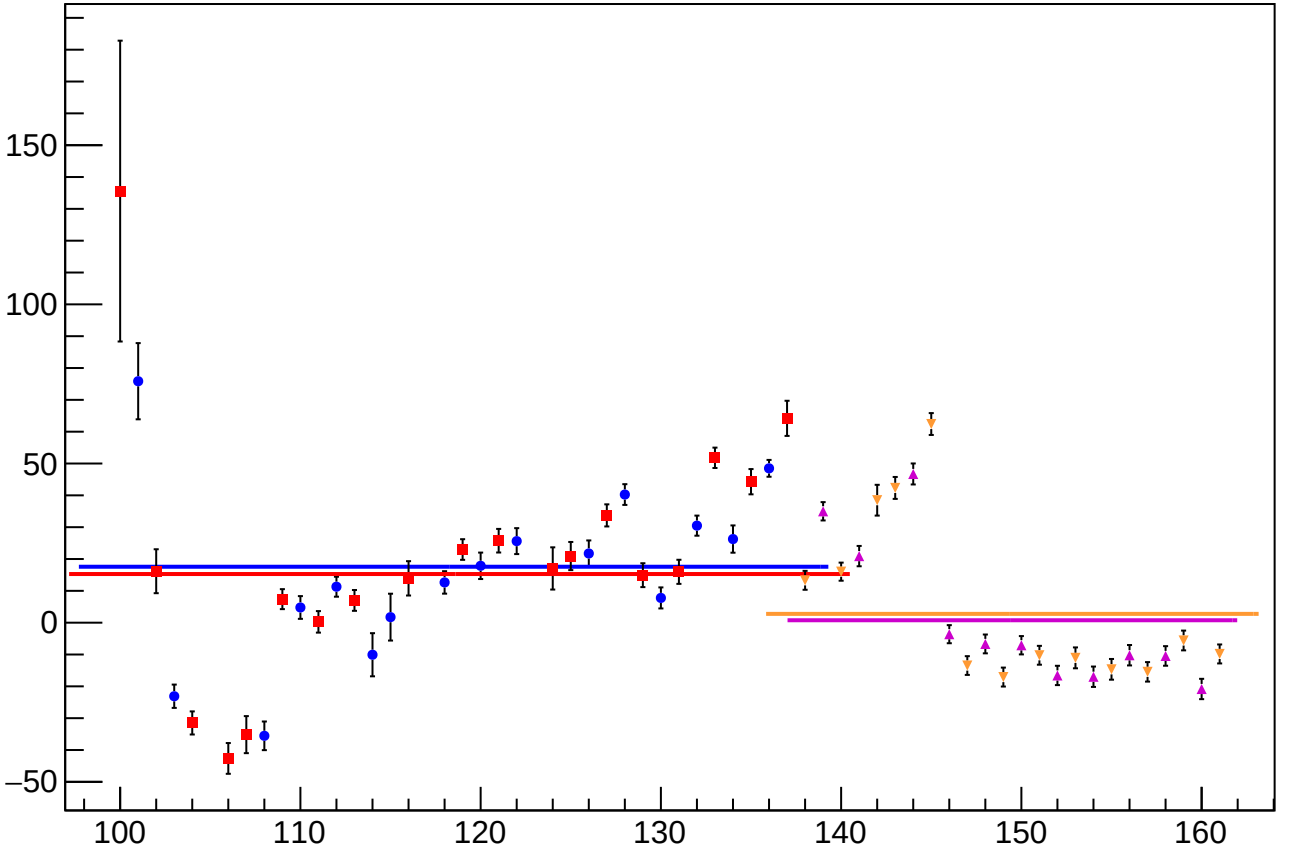
Left In: 9.827+/-0.644 χ^2/NDF:79.7/10

+ sign 14.687+/-0.497 χ^2/NDF: 521.8/28

All: 14.261+/-0.357 χ^2/NDF: 931.6/58

- sign 13.808+/-0.512 χ^2/NDF: 408.3/29

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 2.765+/-0.876 χ^2/NDF:723.4/12

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

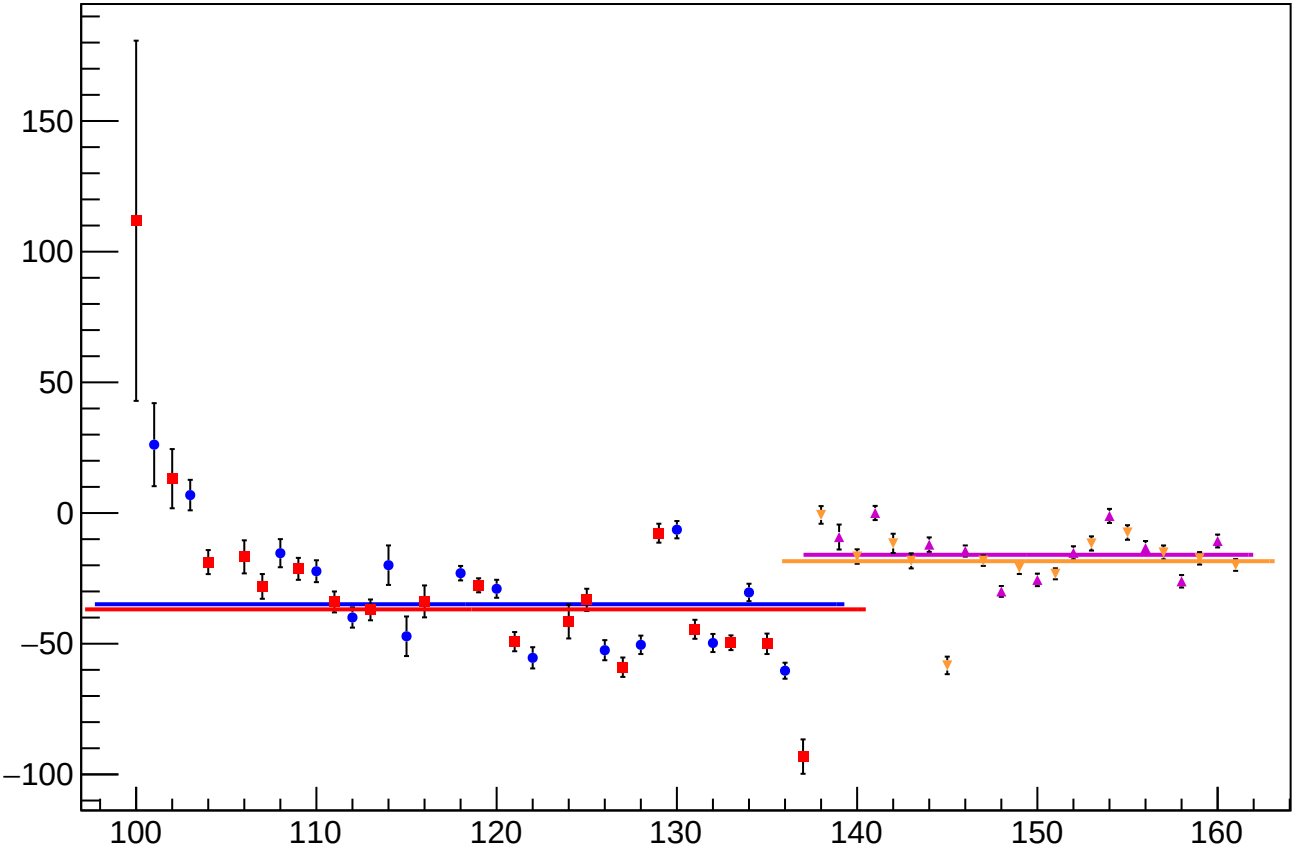
Left In: 0.760+/-0.922 χ^2/NDF:525.5/10

+ sign 9.524+/-0.646 χ^2/NDF: 1399.9/28

All: 8.737+/-0.460 χ^2/NDF: 2780.9/58

- sign 7.926+/-0.656 χ^2/NDF: 1378.1/29

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -18.425+/-0.721 χ^2/NDF:202.8/12

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

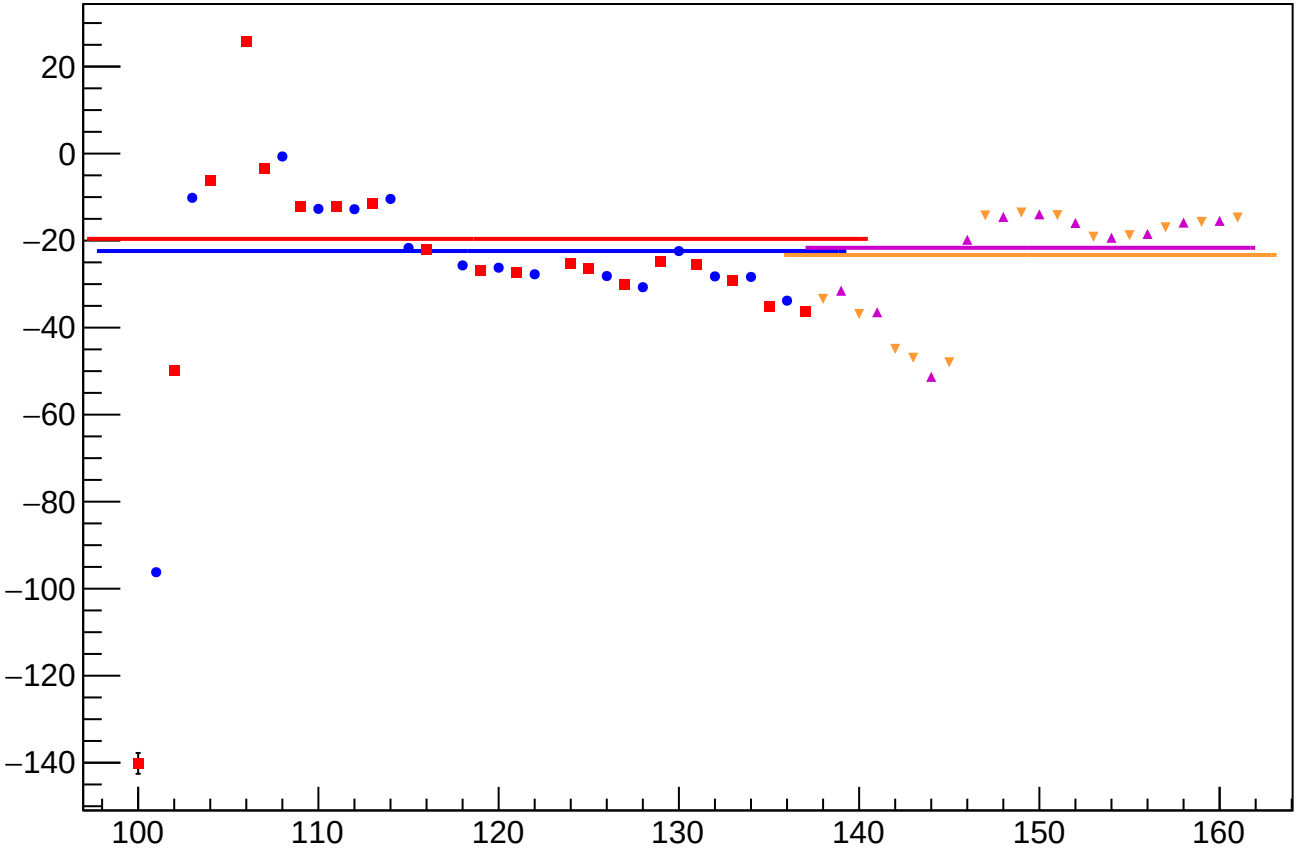
Left In: -15.977+/-0.765 χ^2/NDF:155.0/10

\+ sign -24.134+/-0.583 χ^2/NDF: 730.3/28

All: -24.063+/-0.418 χ^2/NDF: 1472.5/58

\- sign -23.987+/-0.601 χ^2/NDF: 742.2/29

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -23.298+/-0.033 χ^2/NDF:127689.4/12

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

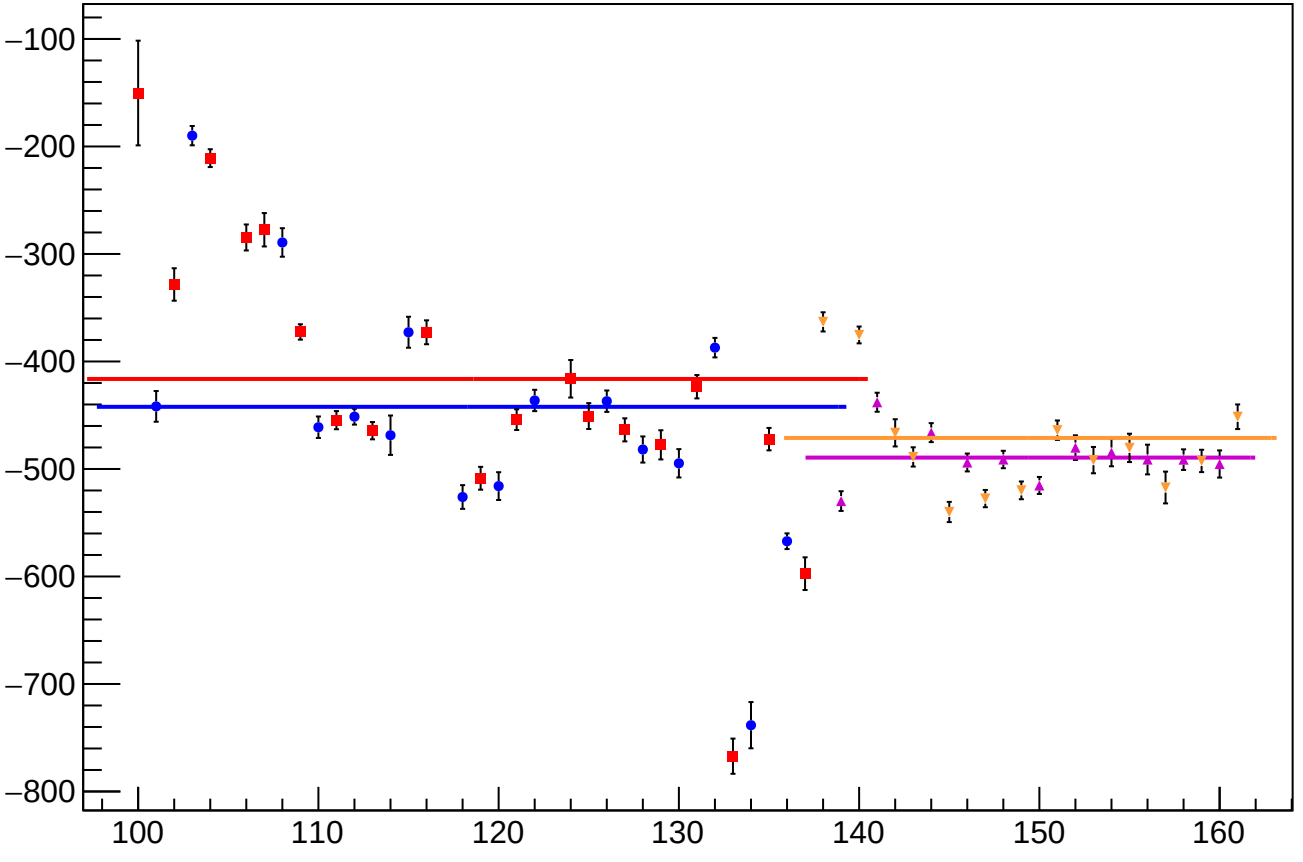
Left In: -21.654+/-0.034 χ^2/NDF:80746.7/10

+ sign -23.076+/-0.029 χ^2/NDF: 174390.5/28

All: -22.139+/-0.021 χ^2/NDF: 342071.6/58

- sign -21.138+/-0.030 χ^2/NDF: 165500.8/29

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -471.120+/-2.721 χ^2/NDF:458.7/12

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

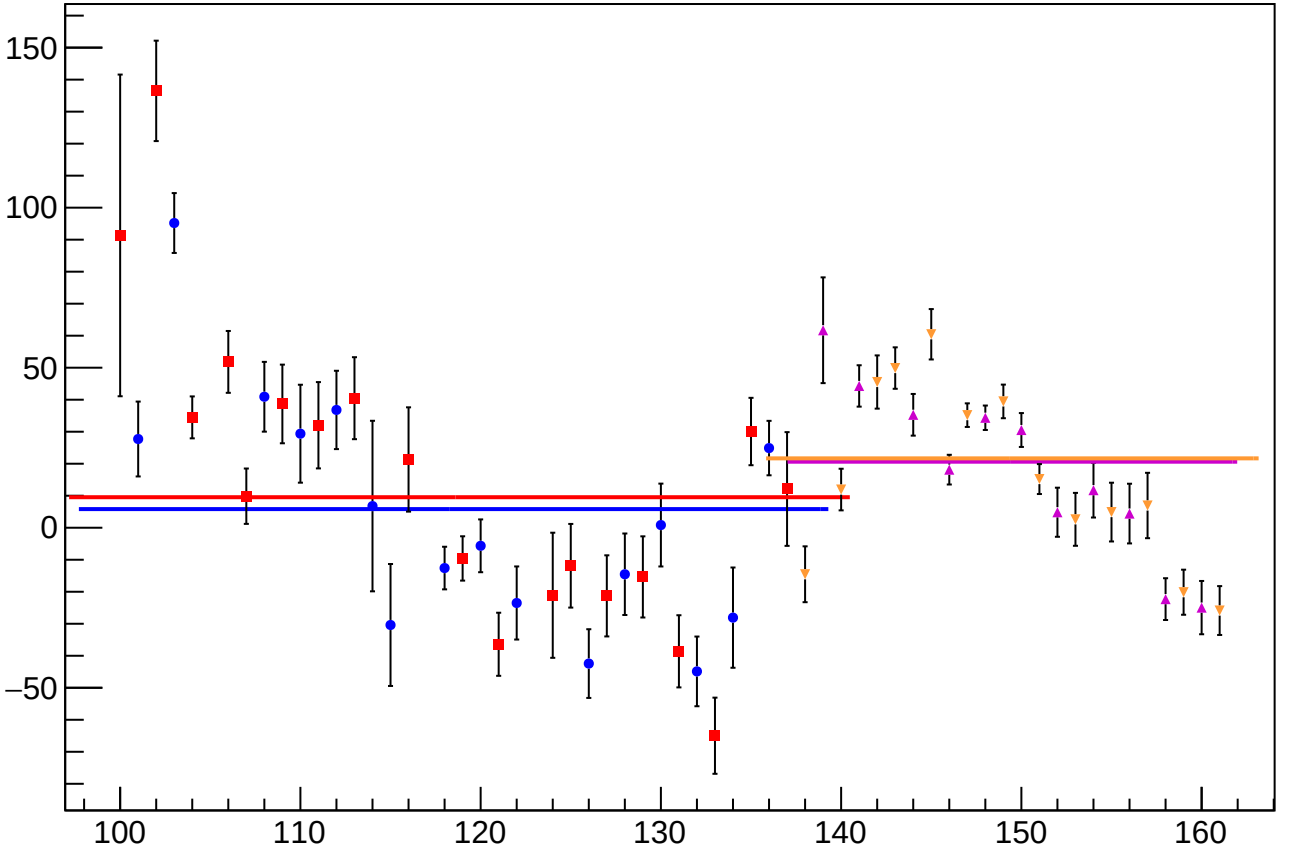
Left In: -489.420+/-2.895 χ^2/NDF:72.4/10

+ sign -456.442+/-1.910 χ^2/NDF: 2105.2/28

All: -452.120+/-1.348 χ^2/NDF: 4304.6/58

- sign -447.834+/-1.902 χ^2/NDF: 2189.2/29

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 21.674+/-1.767 χ^2/NDF:182.5/12

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

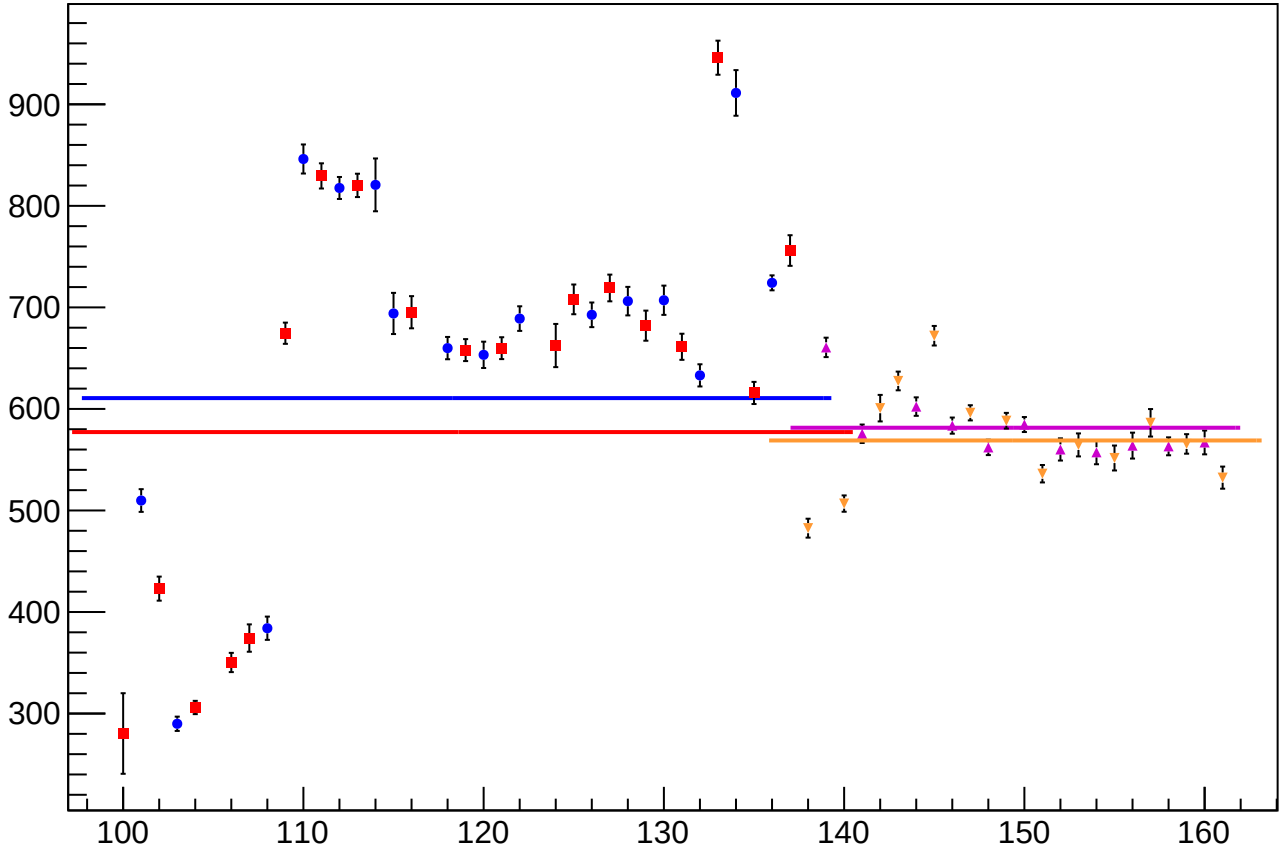
Left In: 20.633+/-1.883 χ^2/NDF:123.0/10

+ sign 16.989+/-1.483 χ^2/NDF: 394.4/28

All: 16.862+/-1.060 χ^2/NDF: 751.8/58

- sign 16.730+/-1.516 χ^2/NDF: 357.4/29

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 568.941+/-2.648 χ^2/NDF:356.0/12

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

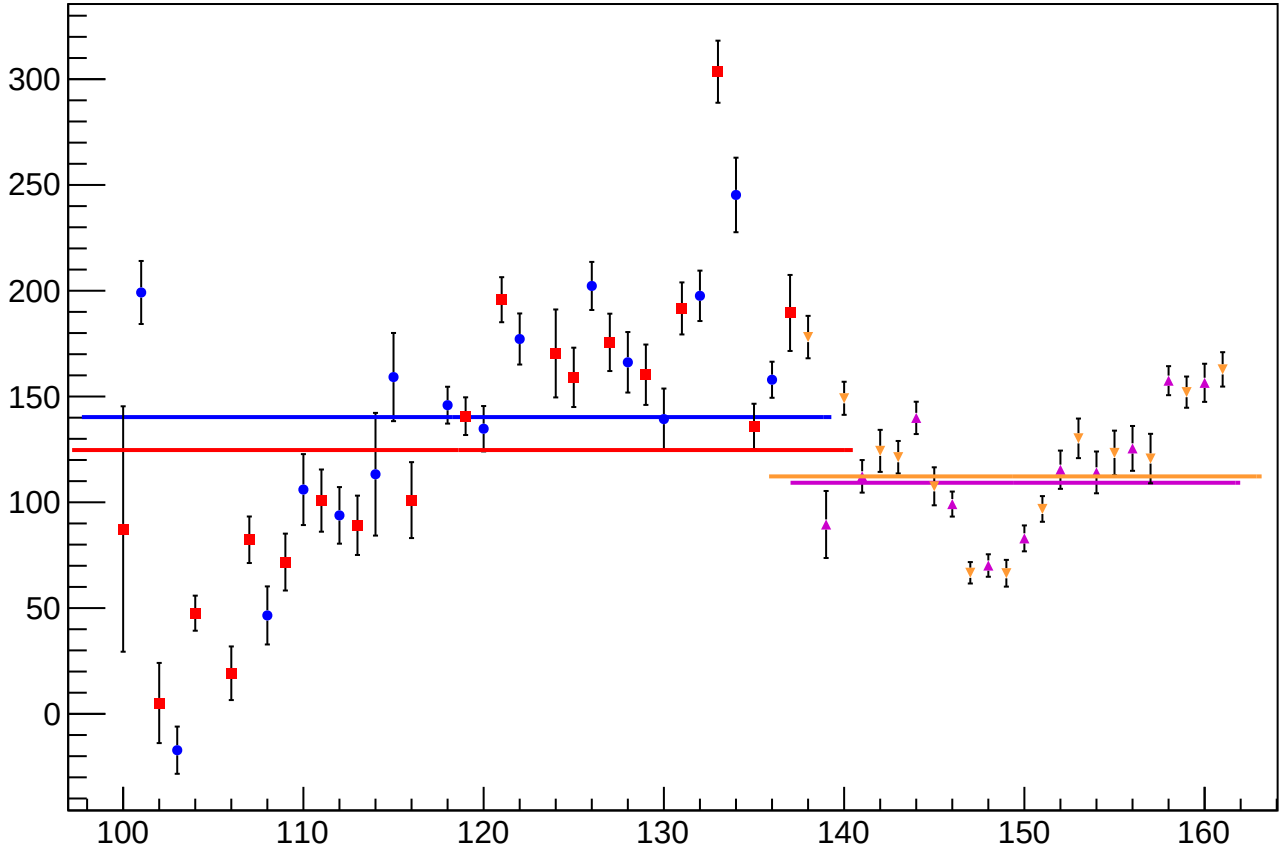
Left In: 581.479+/-2.790 χ^2/NDF:96.6/10

\+ sign 587.963+/-1.953 χ^2/NDF: 4361.7/28

All: 583.656+/-1.384 χ^2/NDF: 9269.7/58

\- sign 579.315+/-1.960 χ^2/NDF: 4898.1/29

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 112.242+/-2.140 χ^2/NDF:281.7/12

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

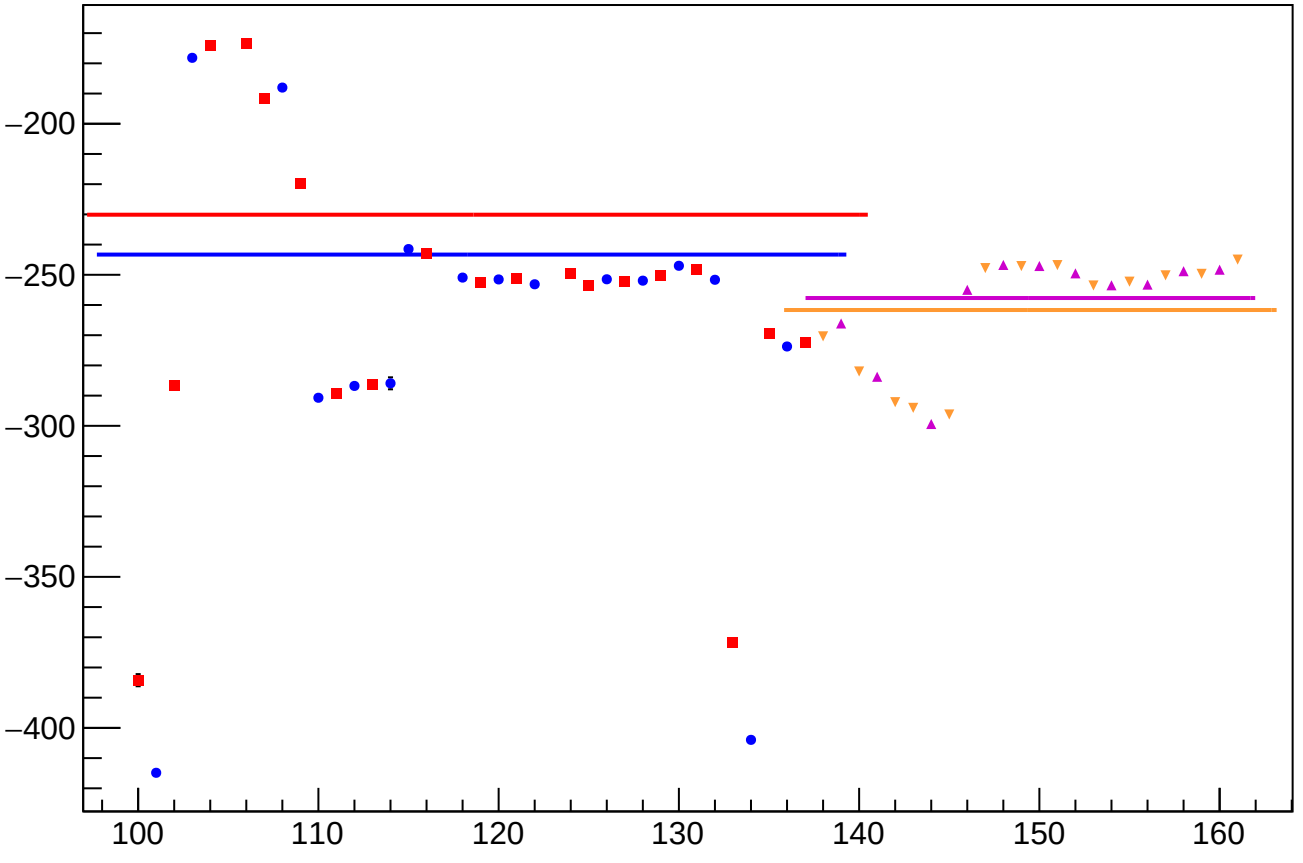
Left In: 109.236+/-2.273 χ^2/NDF:173.4/10

+ sign 121.093+/-1.771 χ^2/NDF: 721.2/28

All: 118.071+/-1.265 χ^2/NDF: 1426.1/58

- sign 114.925+/-1.807 χ^2/NDF: 698.9/29

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -261.660+/-0.104 χ^2/NDF:32776.8/12

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

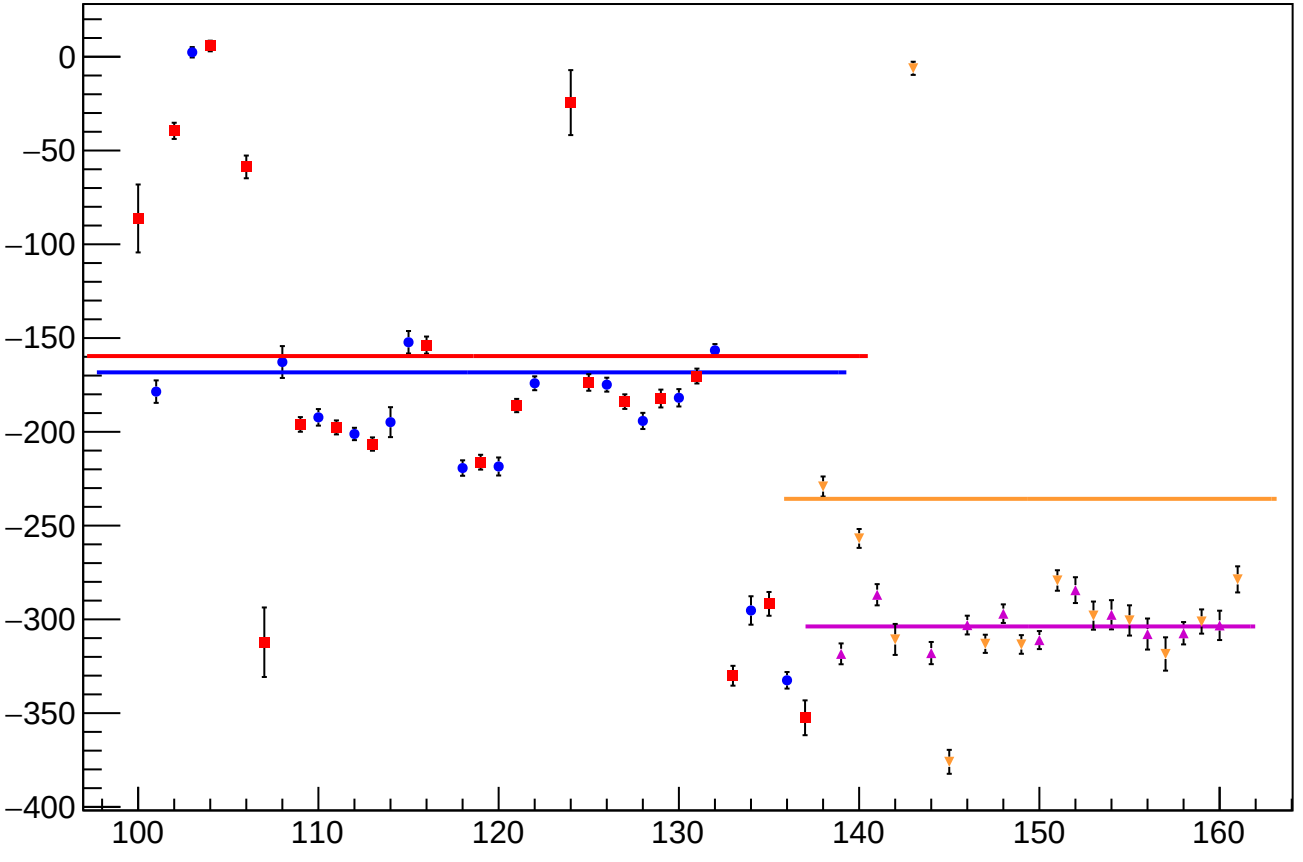
Left In: -257.689+/-0.107 χ^2/NDF:20596.7/10

+ sign -256.331+/-0.088 χ^2/NDF: 215314.5/28

All: -252.686+/-0.062 χ^2/NDF: 362860.7/58

- sign -248.960+/-0.089 χ^2/NDF: 144042.3/29

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -235.732+/-1.578 χ^2/NDF:5785.5/12

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

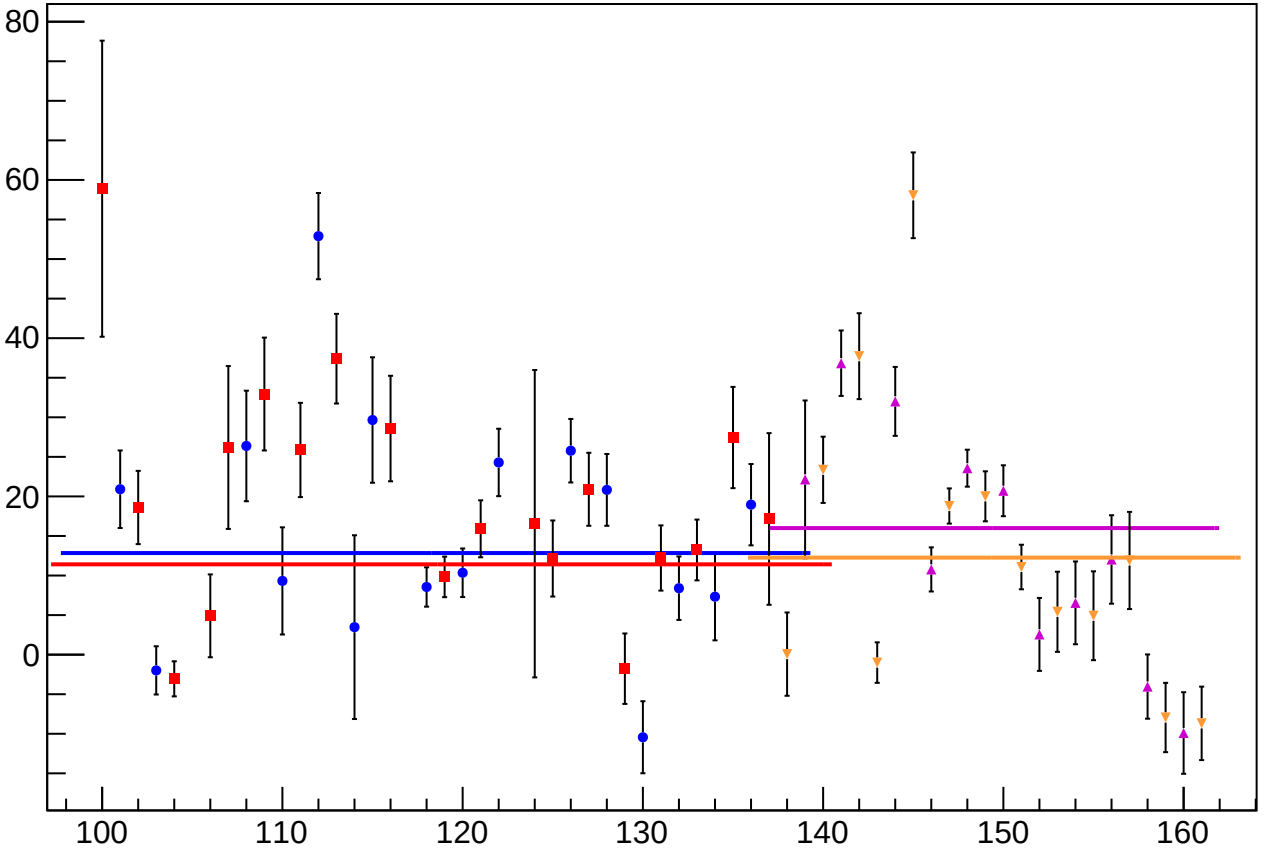
Left In: -303.770+/-1.789 χ^2/NDF:34.9/10

+ sign -189.696+/-0.889 χ^2/NDF: 12940.4/28

All: -192.881+/-0.633 χ^2/NDF: 25049.5/58

- sign -196.152+/-0.901 χ^2/NDF: 12083.0/29

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 12.264+/-1.033 χ^2/NDF:192.7/12

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

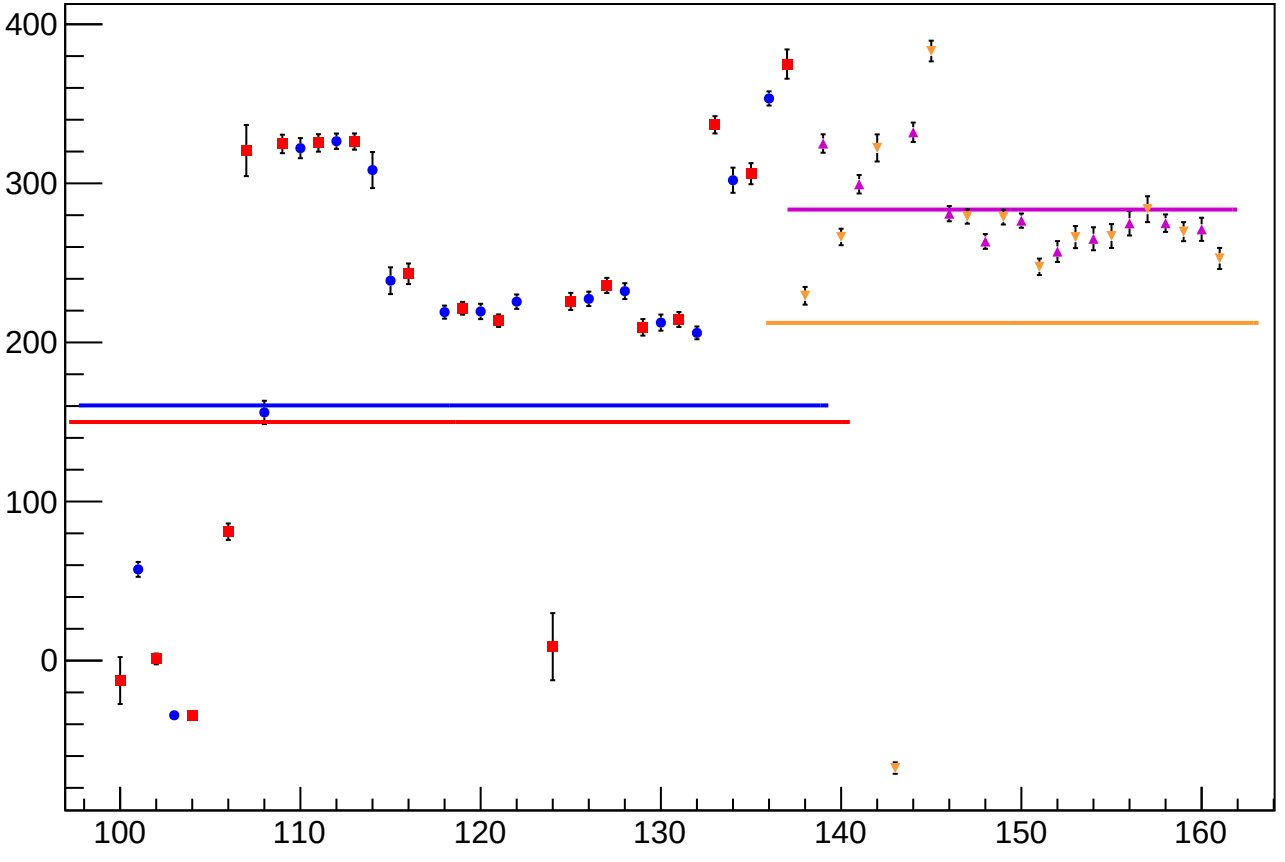
Left In: 15.999+/-1.160 χ^2/NDF:117.3/10

+ sign 12.541+/-0.745 χ^2/NDF: 336.6/28

All: 12.978+/-0.536 χ^2/NDF: 582.8/58

- sign 13.448+/-0.772 χ^2/NDF: 245.6/29

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 212.280+/-1.542 χ^2/NDF:7773.2/12

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

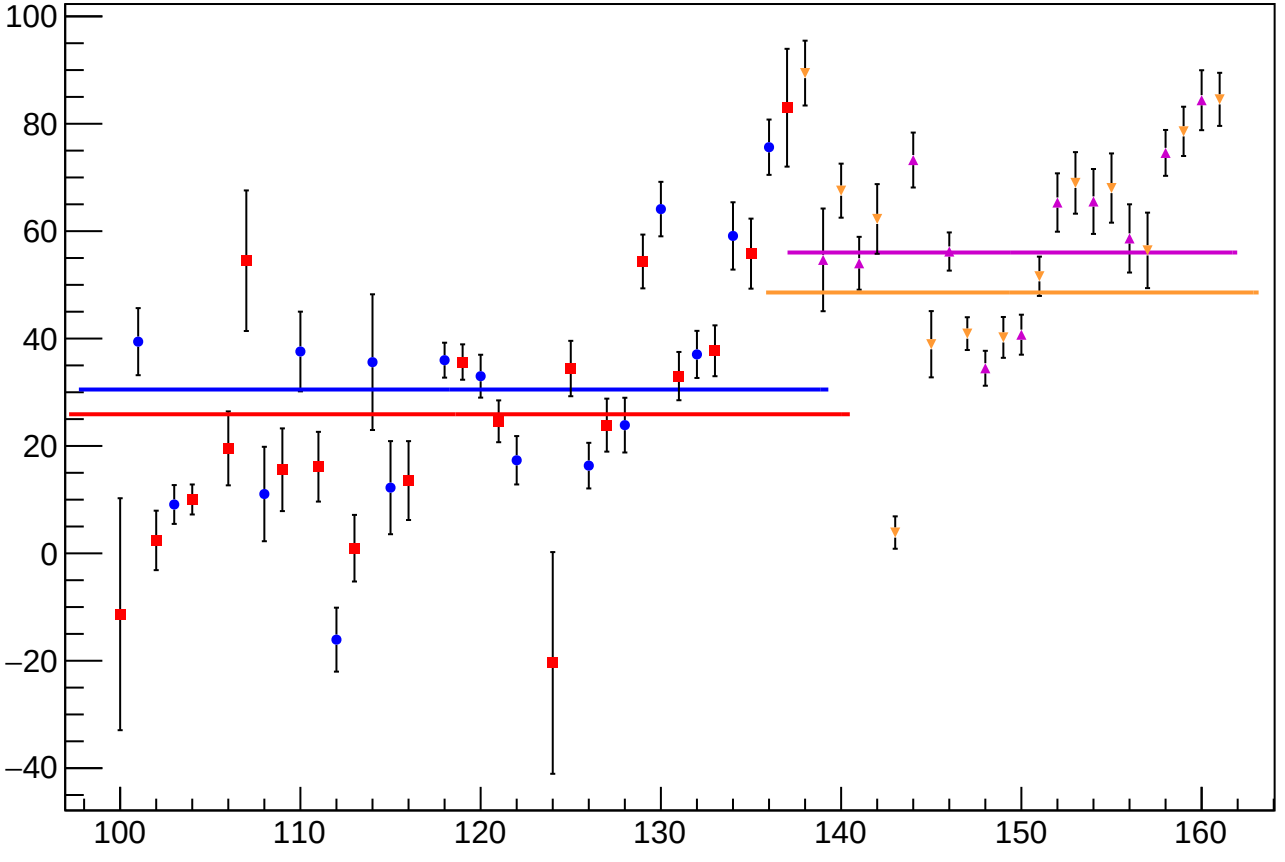
Left In: 283.528+/-1.721 χ^2/NDF:173.1/10

\+ sign 178.714+/-0.916 χ^2/NDF: 22455.0/28

All: 183.794+/-0.653 χ^2/NDF: 43214.9/58

\- sign 189.038+/-0.931 χ^2/NDF: 20697.4/29

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 48.580+/-1.249 χ^2/NDF:417.0/12

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

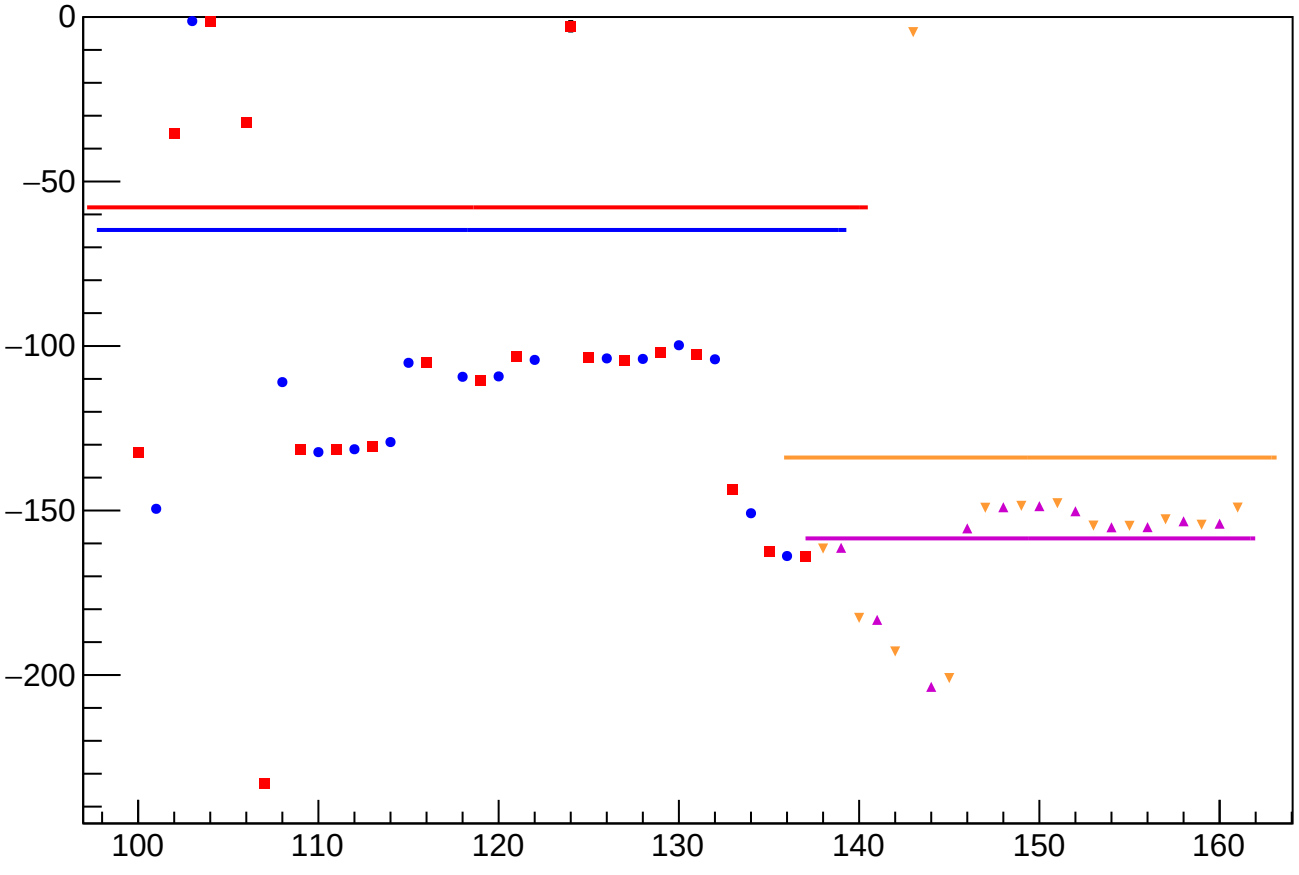
Left In: 56.024+/-1.401 χ^2/NDF:122.7/10

+ sign 39.585+/-0.885 χ^2/NDF: 798.1/28

All: 39.209+/-0.637 χ^2/NDF: 1373.0/58

- sign 38.805+/-0.917 χ^2/NDF: 574.5/29

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -133.894+/-0.061 χ^2/NDF:949737.3/12

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

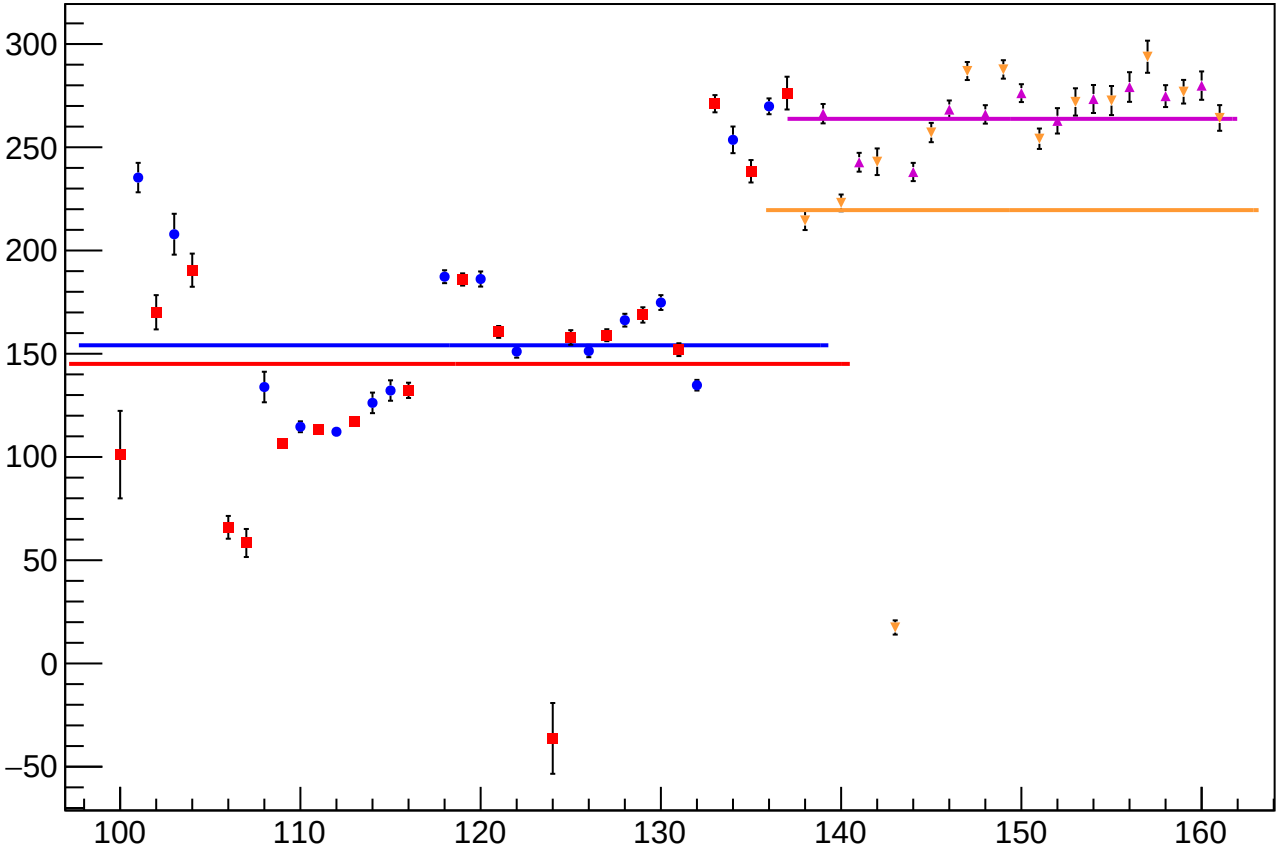
Left In: -158.475+/-0.066 χ^2/NDF:46591.5/10

+ sign -100.966+/-0.044 χ^2/NDF: 2610151.6/28

All: -103.041+/-0.032 χ^2/NDF: 4771237.7/58

- sign -105.230+/-0.045 χ^2/NDF: 2156520.5/29

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 219.560+/-1.385 χ^2/NDF:4405.2/12

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

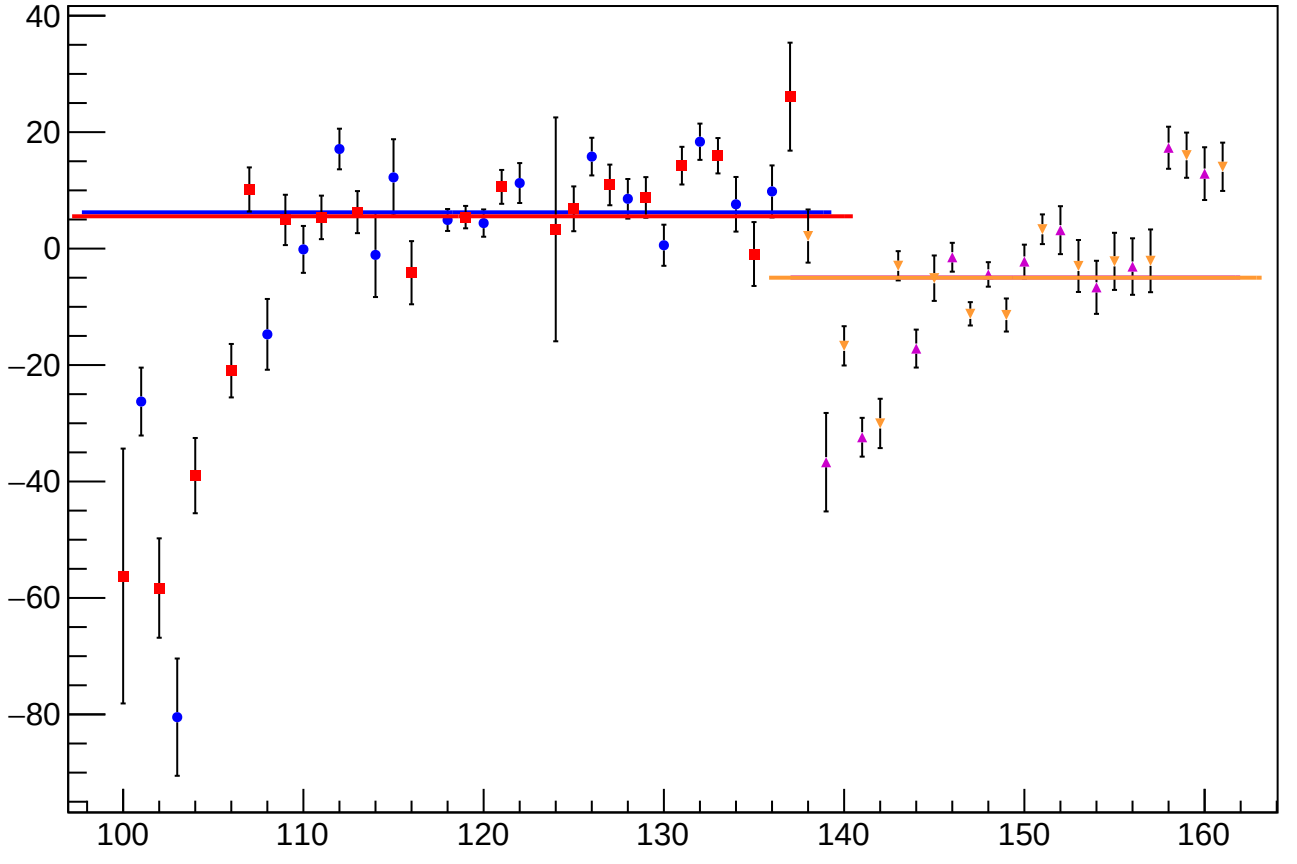
Left In: 263.766+/-1.535 χ^2/NDF:81.6/10

\+ sign 172.587+/-0.736 χ^2/NDF: 8288.8/28

All: 172.154+/-0.517 χ^2/NDF: 15964.7/58

\- sign 171.732+/-0.727 χ^2/NDF: 7675.2/29

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -4.999+/-0.916 χ^2/NDF:126.7/12

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

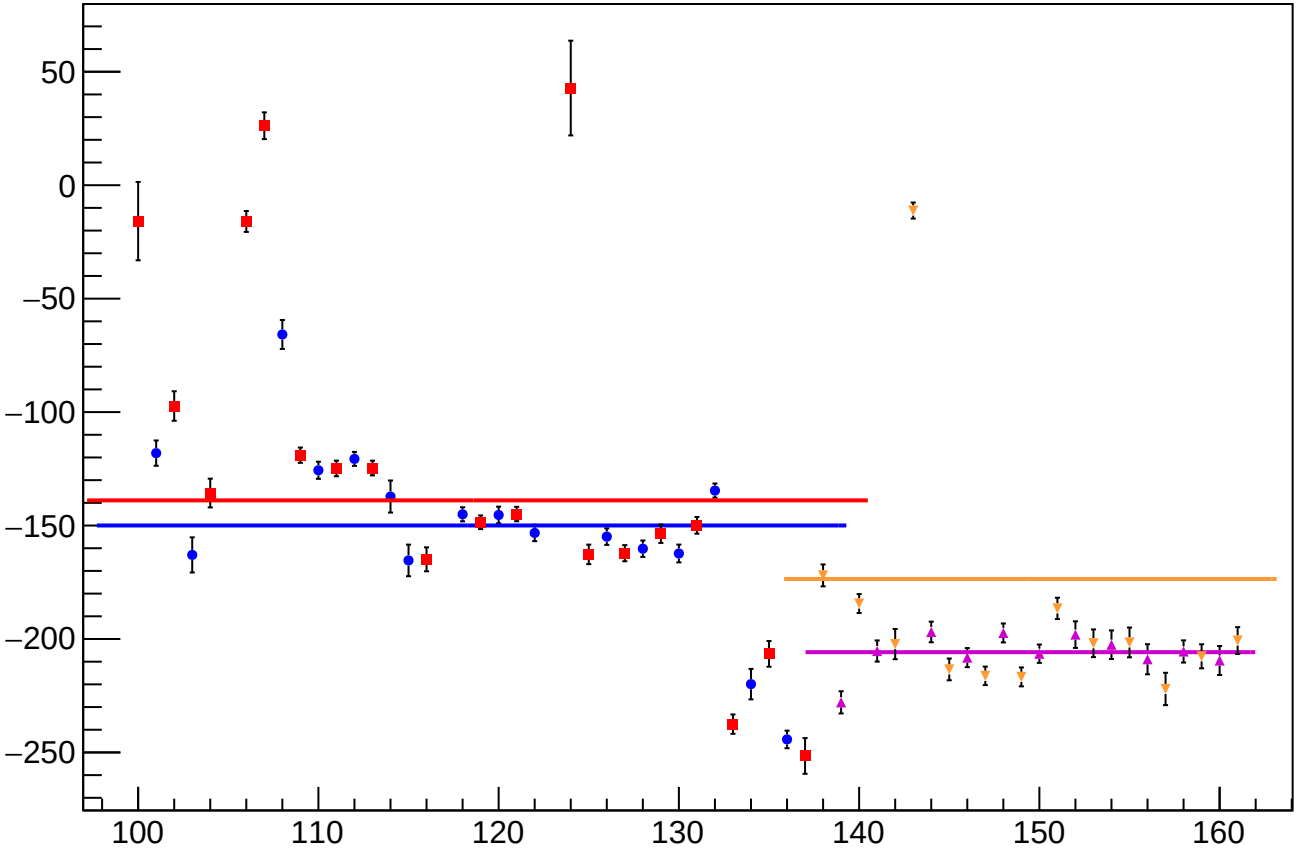
Left In: -4.964+/-1.010 χ^2/NDF:156.6/10

+ sign 0.774+/-0.638 χ^2/NDF: 366.1/28

All: 0.861+/-0.461 χ^2/NDF: 764.9/58

- sign 0.955+/-0.667 χ^2/NDF: 398.8/29

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -173.561+/-1.357 χ^2/NDF:2567.4/12

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

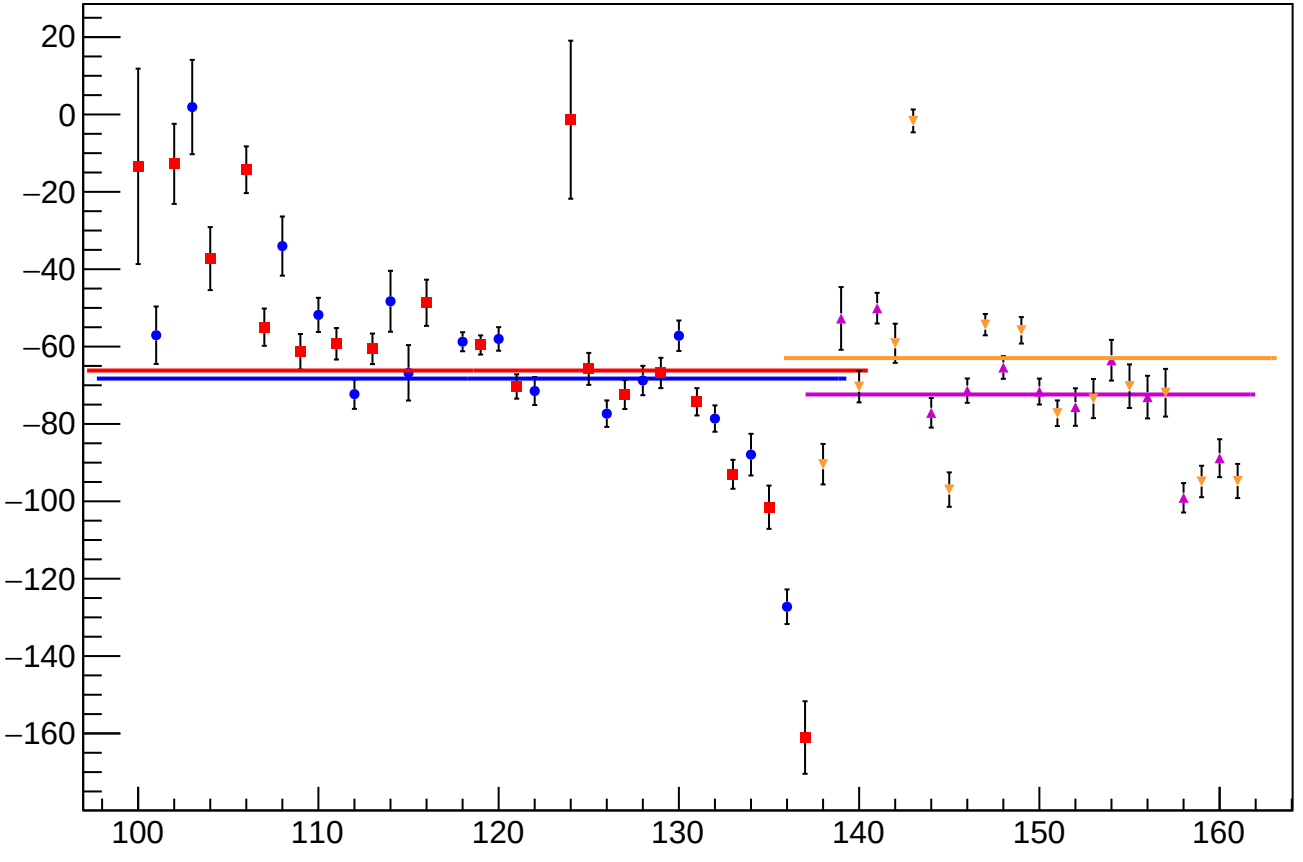
Left In: -205.811+/-1.484 χ^2/NDF:31.3/10

+ sign -158.549+/-0.818 χ^2/NDF: 3859.3/28

All: -159.079+/-0.581 χ^2/NDF: 8045.9/58

- sign -159.619+/-0.825 χ^2/NDF: 4185.8/29

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -62.978+/-1.105 χ^2/NDF:672.5/12

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

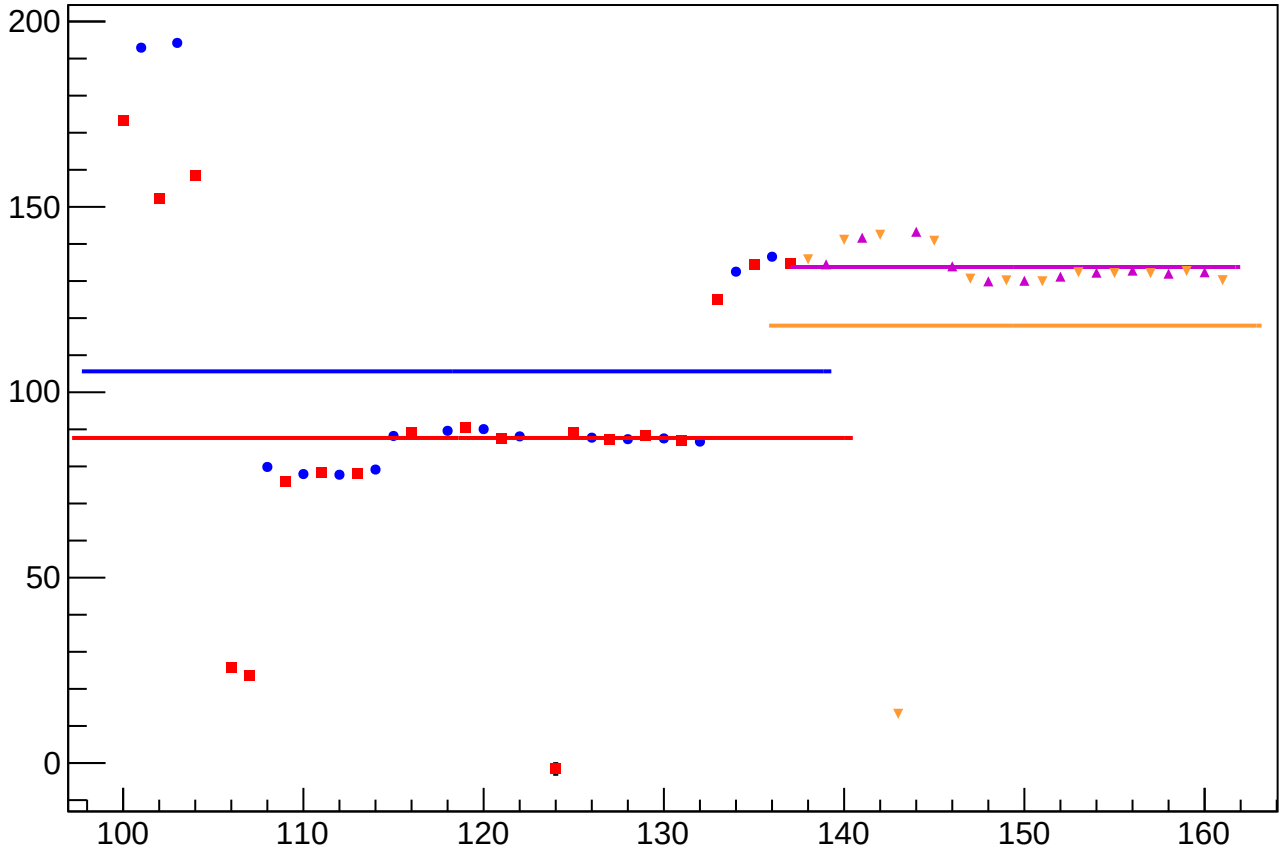
Left In: -72.383+/-1.216 χ^2/NDF:108.9/10

+ sign -65.803+/-0.755 χ^2/NDF: 1000.1/28

All: -67.225+/-0.544 χ^2/NDF: 1489.9/58

- sign -68.756+/-0.783 χ^2/NDF: 482.4/29

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 117.971+/-0.053 χ^2/NDF:589731.6/12

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

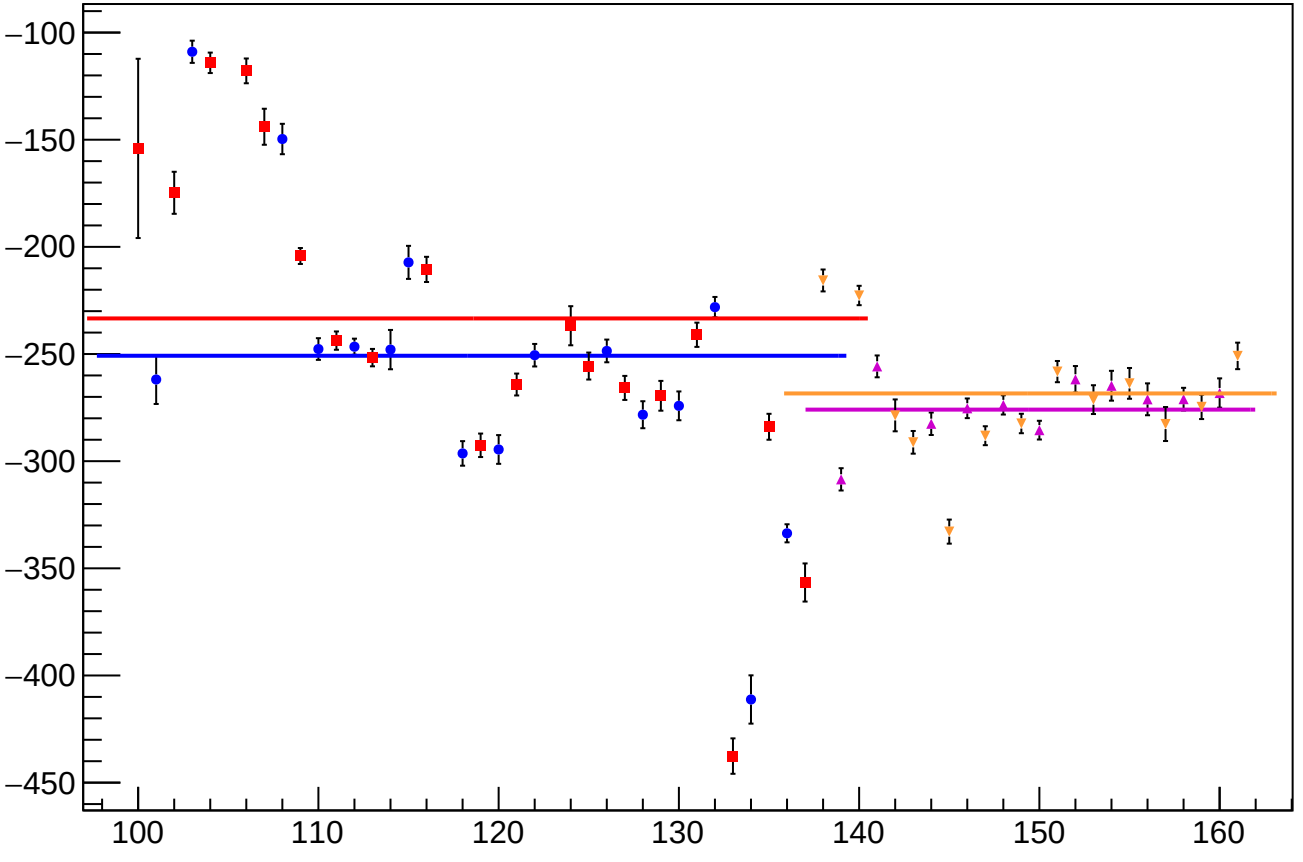
Left In: 133.782+/-0.057 χ^2/NDF:5313.5/10

+ sign 113.494+/-0.043 χ^2/NDF: 848648.6/28

All: 113.720+/-0.030 χ^2/NDF: 1509791.4/58

- sign 113.950+/-0.043 χ^2/NDF: 661086.0/29

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -268.395+/-1.529 χ^2/NDF:407.8/12

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

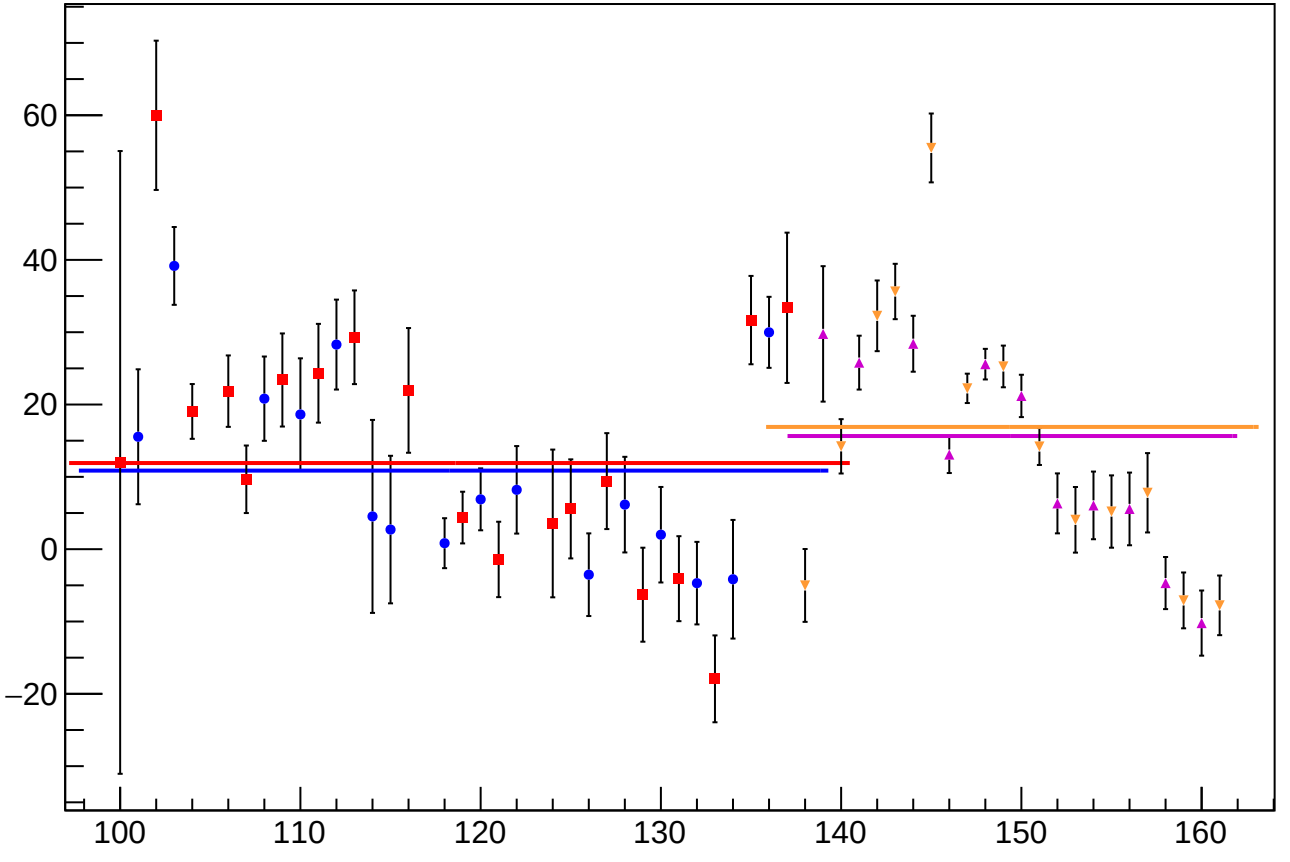
Left In: -275.946+/-1.616 χ^2/NDF:71.7/10

+ sign -259.066+/-1.048 χ^2/NDF: 2213.7/28

All: -254.772+/-0.734 χ^2/NDF: 5109.5/58

- sign -250.635+/-1.028 χ^2/NDF: 2862.9/29

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 16.904+/-0.986 χ^2/NDF:226.0/12

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

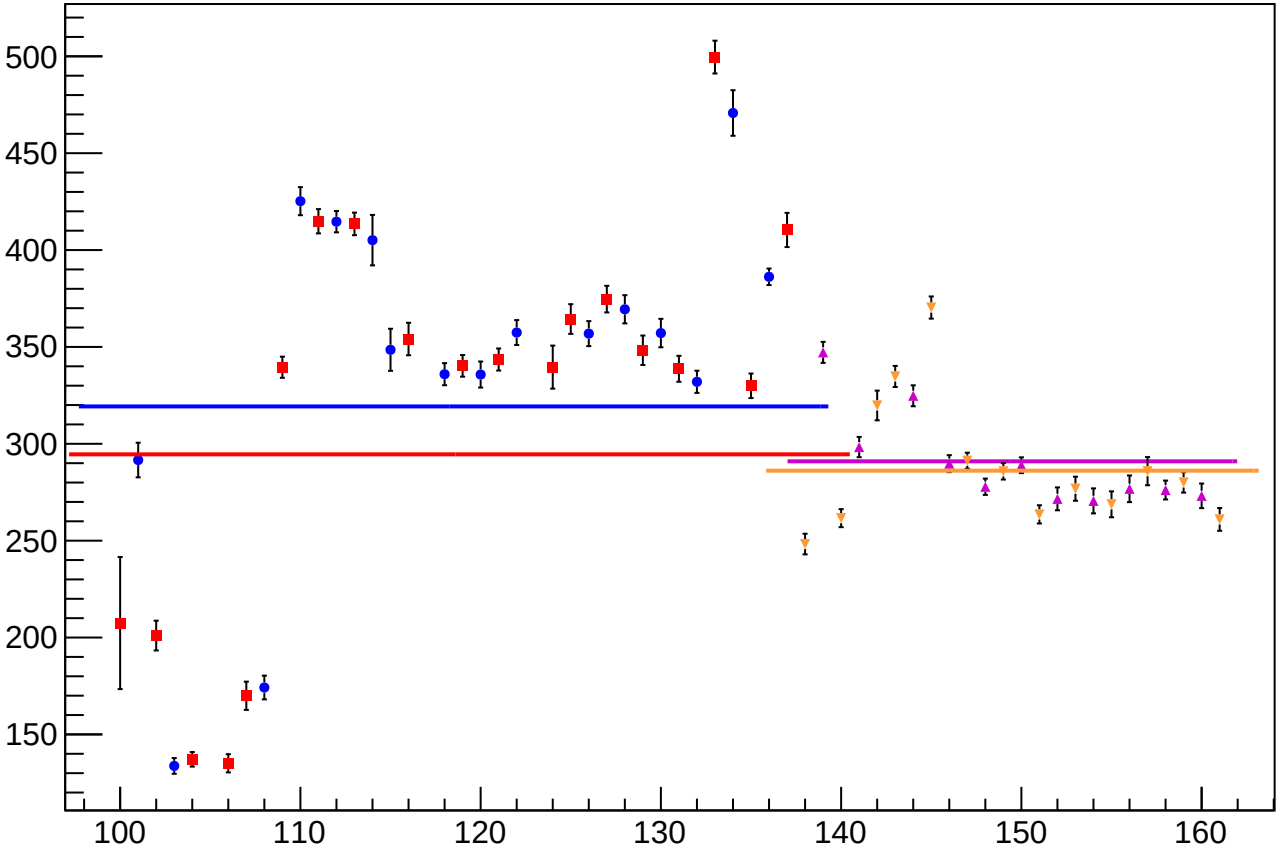
Left In: 15.646+/-1.046 χ^2/NDF:125.3/10

+ sign 15.031+/-0.819 χ^2/NDF: 322.3/28

All: 14.654+/-0.583 χ^2/NDF: 564.7/58

- sign 14.267+/-0.831 χ^2/NDF: 242.0/29

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 286.132+/-1.483 χ^2/NDF:446.7/12

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

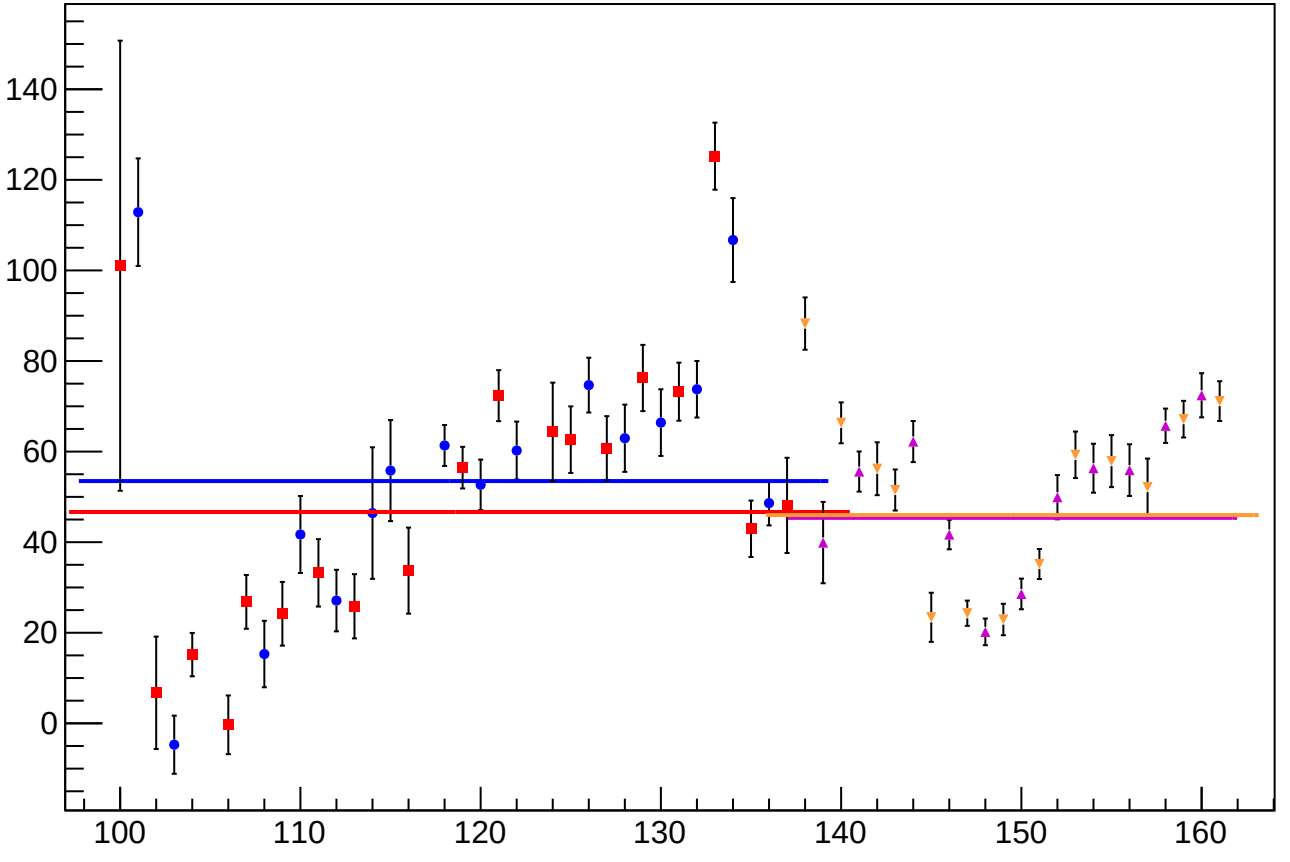
Left In: 290.957+/-1.554 χ^2/NDF:200.9/10

+ sign 301.602+/-1.083 χ^2/NDF: 4472.9/28

All: 297.180+/-0.762 χ^2/NDF: 10212.8/58

- sign 292.848+/-1.072 χ^2/NDF: 5706.9/29

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 45.984+/-1.195 χ^2/NDF:283.5/12

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

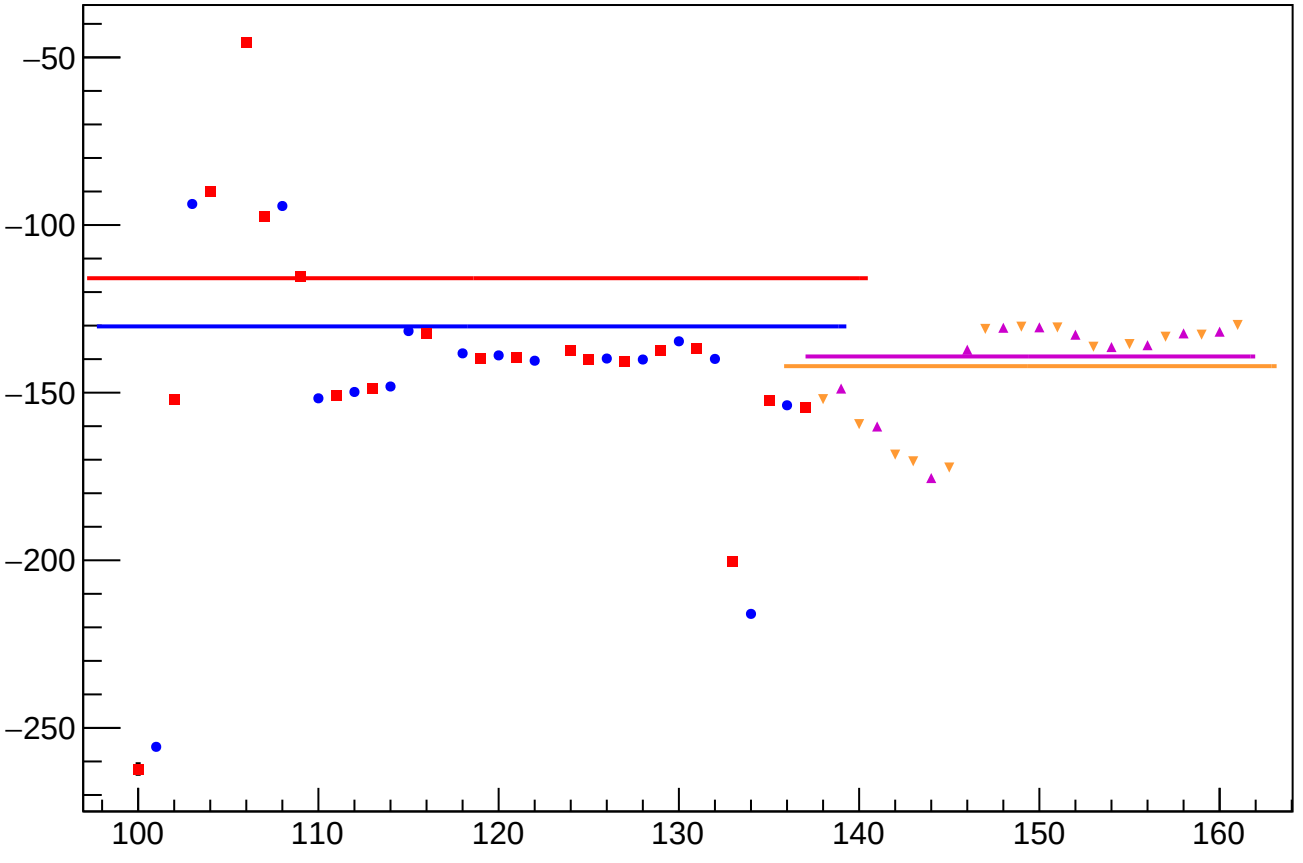
Left In: 45.367+/-1.263 χ^2/NDF:186.5/10

+ sign 48.469+/-0.977 χ^2/NDF: 513.8/28

All: 47.185+/-0.695 χ^2/NDF: 1029.9/58

- sign 45.868+/-0.990 χ^2/NDF: 512.6/29

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -142.096+/-0.058 χ^2/NDF:70586.8/12

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

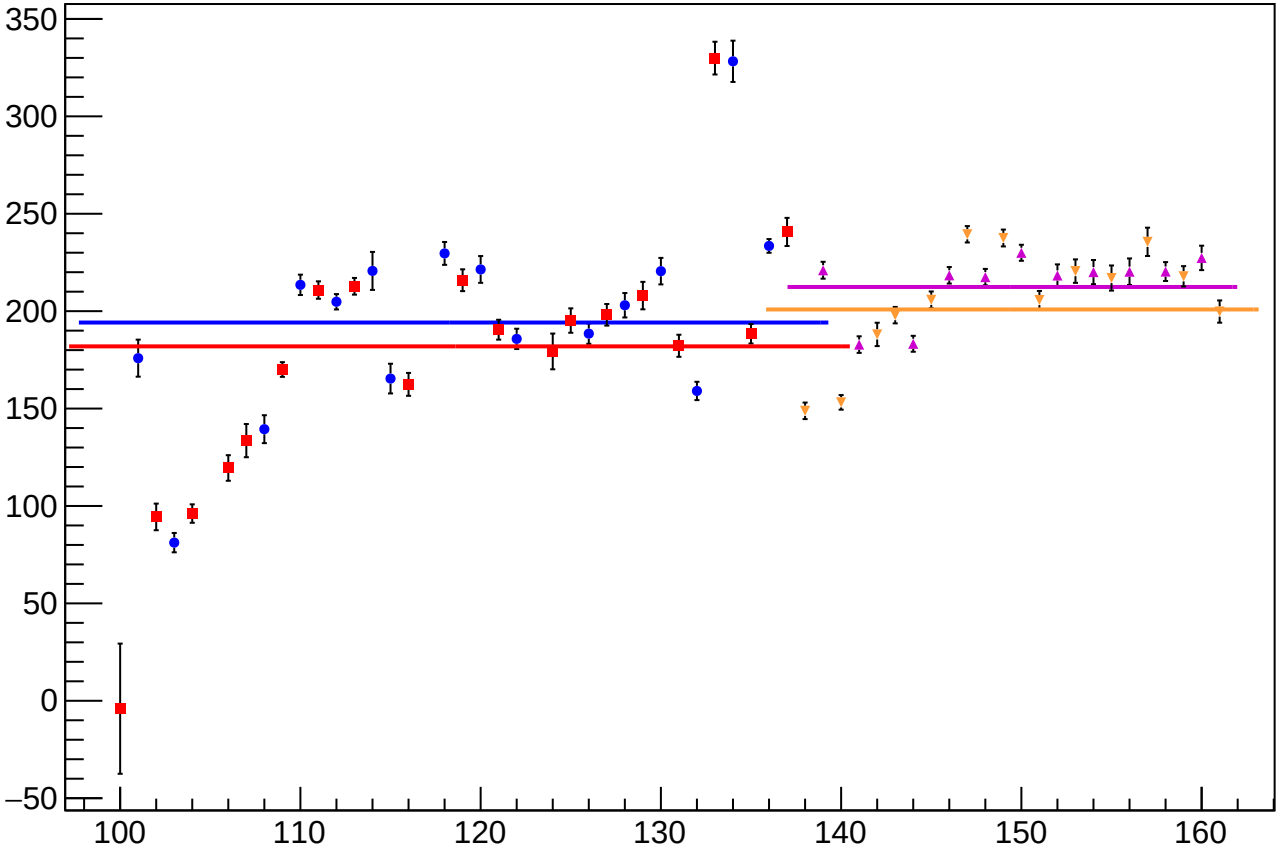
Left In: -139.203+/-0.059 χ^2/NDF:43834.7/10

+ sign -138.674+/-0.049 χ^2/NDF: 256857.6/28

All: -135.143+/-0.035 χ^2/NDF: 567042.2/58

- sign -131.623+/-0.049 χ^2/NDF: 299784.4/29

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 200.871+/-1.338 χ^2/NDF:526.2/12

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

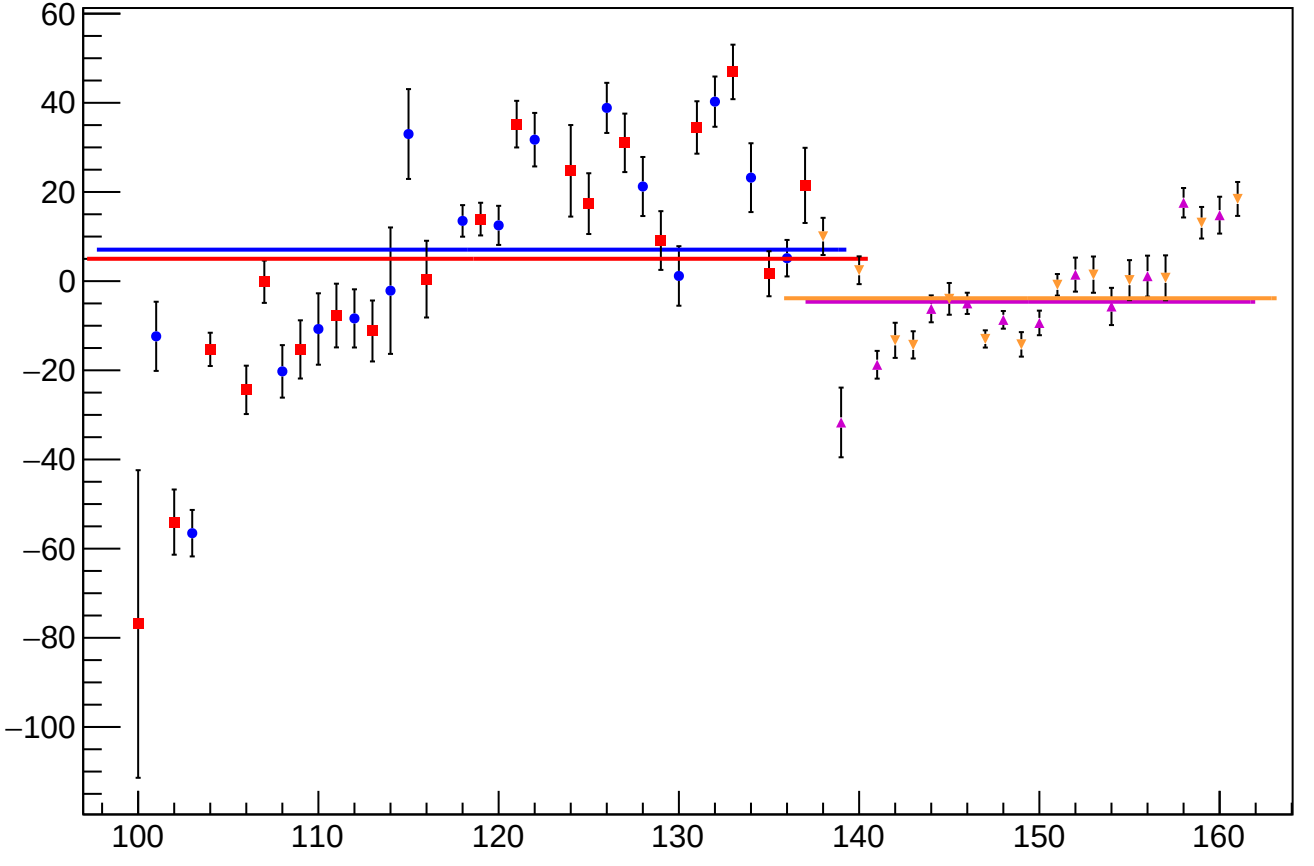
Left In: 212.416+/-1.435 χ^2/NDF:137.0/10

+ sign 197.686+/-0.969 χ^2/NDF: 1573.3/28

All: 196.808+/-0.686 χ^2/NDF: 3161.0/58

- sign 195.924+/-0.972 χ^2/NDF: 1586.1/29

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -3.836+/-0.884 χ^2/NDF:131.1/12

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

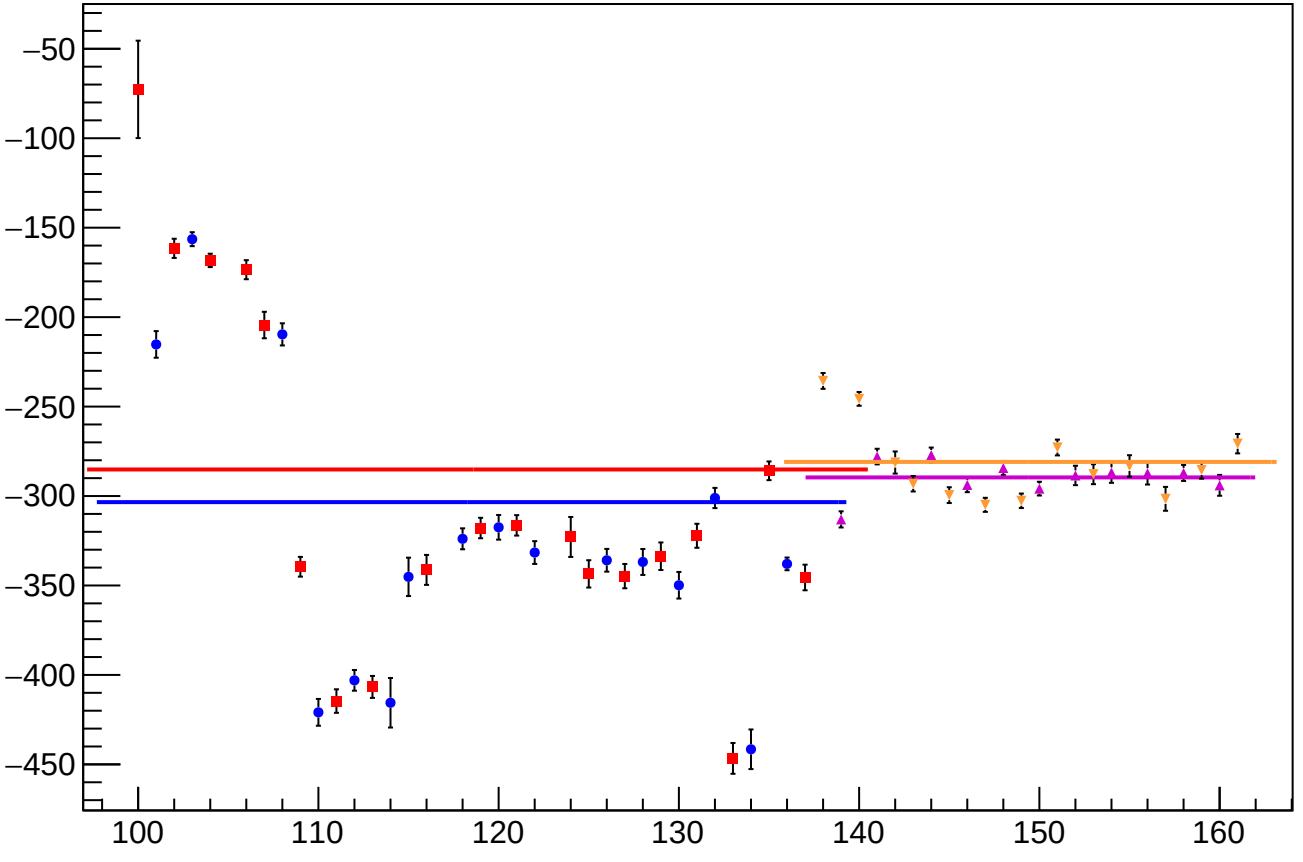
Left In: -4.621+/-0.947 χ^2/NDF:111.5/10

+ sign -0.861+/-0.754 χ^2/NDF: 465.2/28

All: -1.151+/-0.541 χ^2/NDF: 899.4/58

- sign -1.459+/-0.776 χ^2/NDF: 434.0/29

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -280.921+/-1.307 χ^2/NDF:299.1/12

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

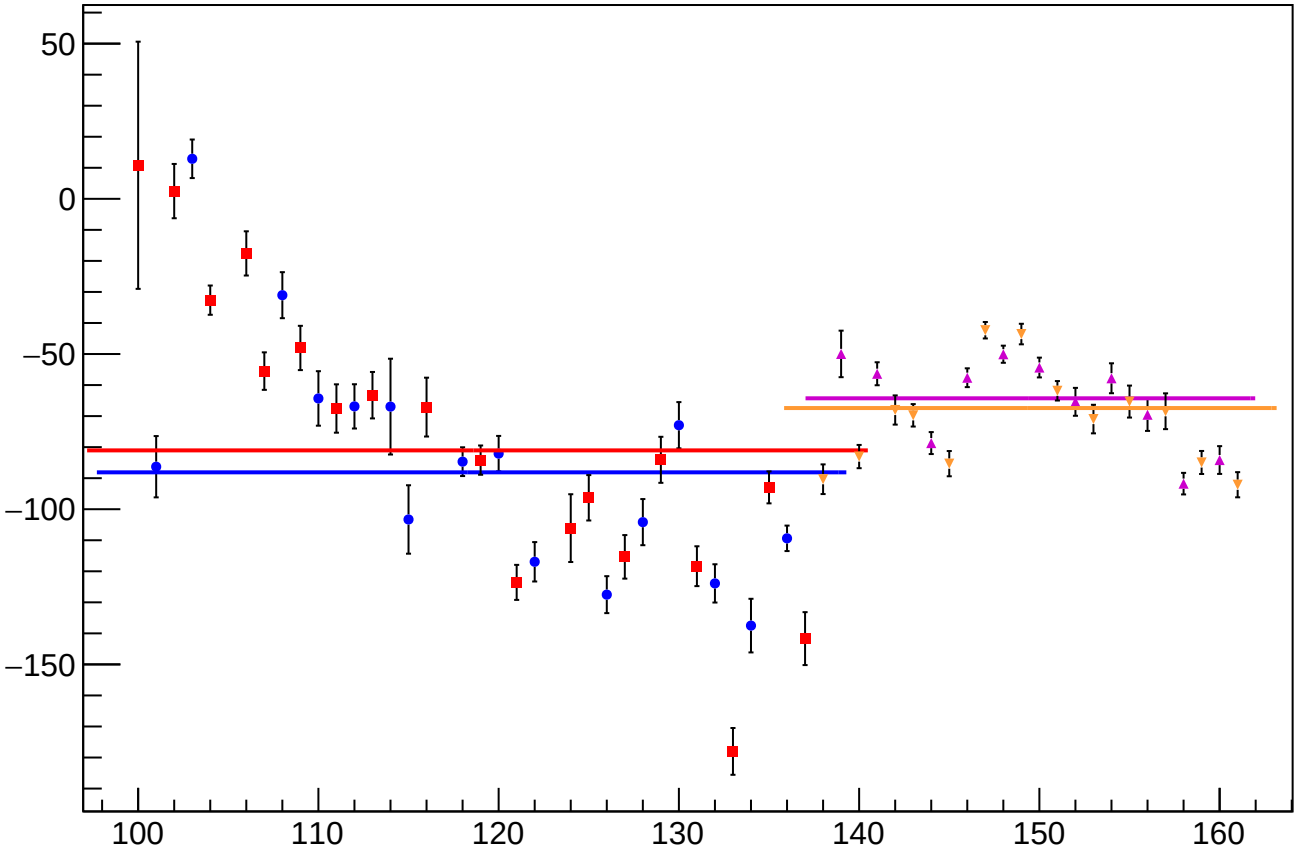
Left In: -289.592+/-1.387 χ^2/NDF:49.7/10

+ sign -290.407+/-0.994 χ^2/NDF: 3209.5/28

All: -288.952+/-0.706 χ^2/NDF: 7023.2/58

- sign -287.470+/-1.003 χ^2/NDF: 3809.4/29

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -67.406+/-1.066 χ^2/NDF:264.9/12

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

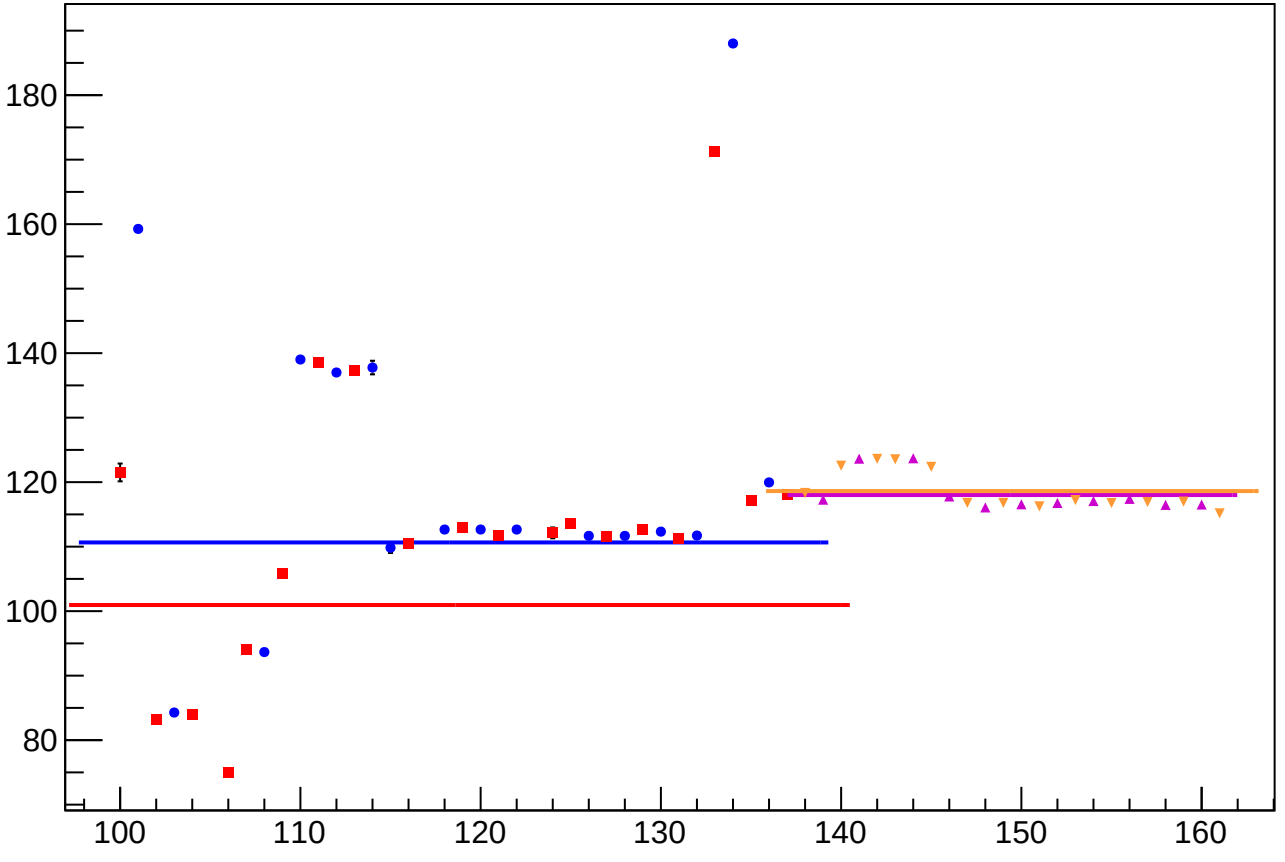
Left In: -64.266+/-1.139 χ^2/NDF:151.0/10

+ sign -73.476+/-0.896 χ^2/NDF: 887.5/28

All: -71.814+/-0.642 χ^2/NDF: 1798.1/58

- sign -70.056+/-0.922 χ^2/NDF: 903.5/29

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 118.617+/-0.051 χ^2/NDF:3156.6/12

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

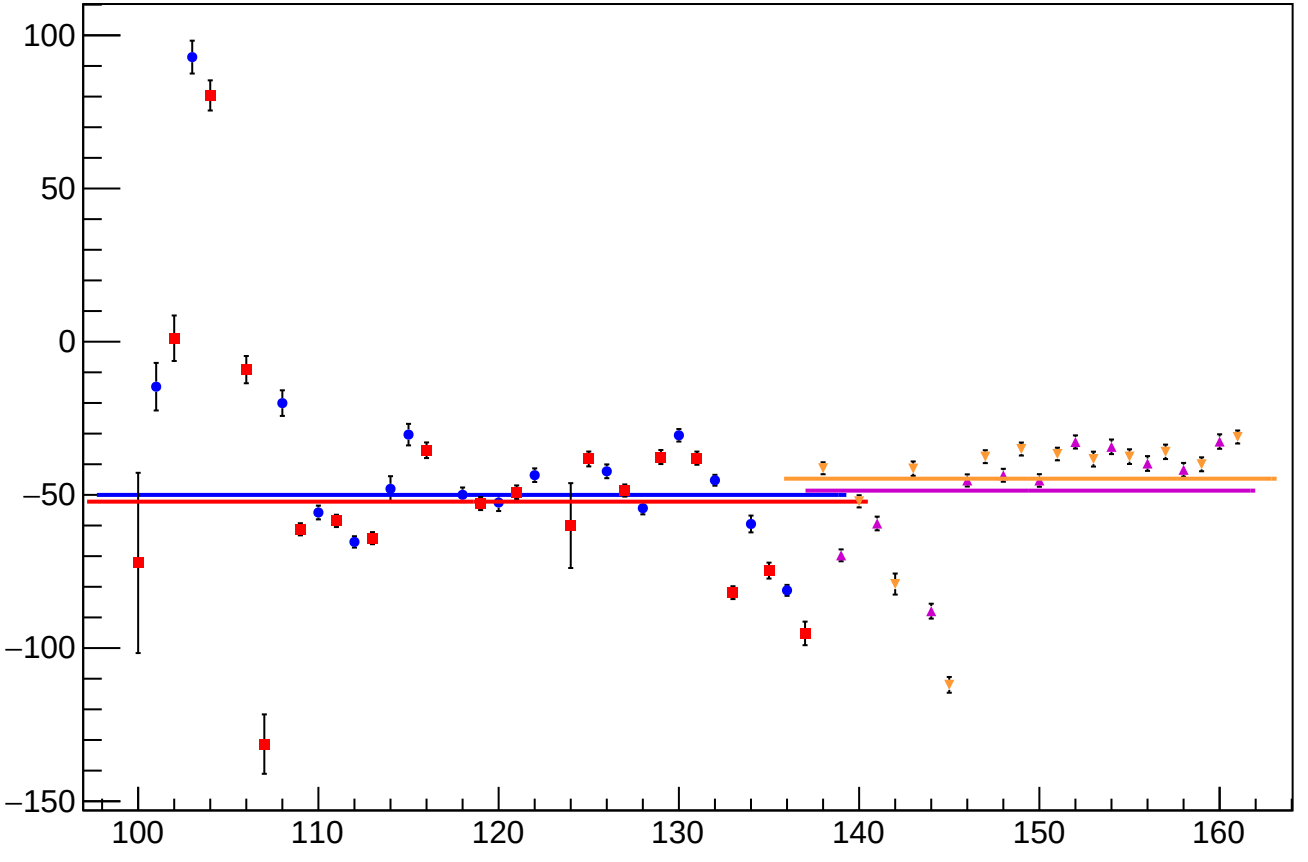
Left In: 118.000+/-0.053 χ^2/NDF:2382.1/10

+ sign 116.523+/-0.044 χ^2/NDF: 93029.4/28

All: 114.710+/-0.031 χ^2/NDF: 191817.2/58

- sign 112.858+/-0.044 χ^2/NDF: 95355.3/29

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -44.714+/-0.626 χ^2/NDF:925.5/12

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

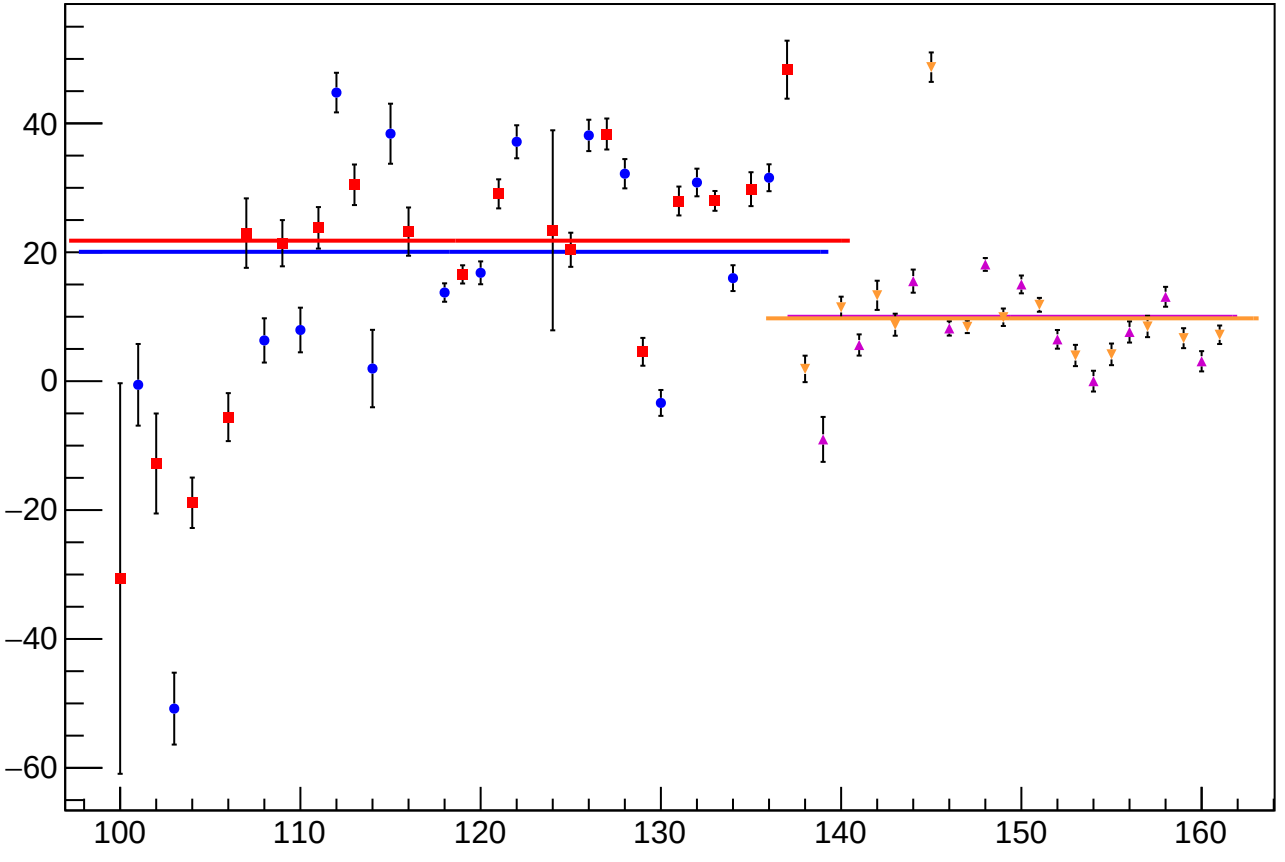
Left In: -48.613+/-0.661 χ^2/NDF:572.4/10

+ sign -47.431+/-0.437 χ^2/NDF: 2289.5/28

All: -48.967+/-0.312 χ^2/NDF: 4473.6/58

- sign -50.570+/-0.446 χ^2/NDF: 2158.8/29

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 9.748+/-0.416 χ^2/NDF:345.9/12

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

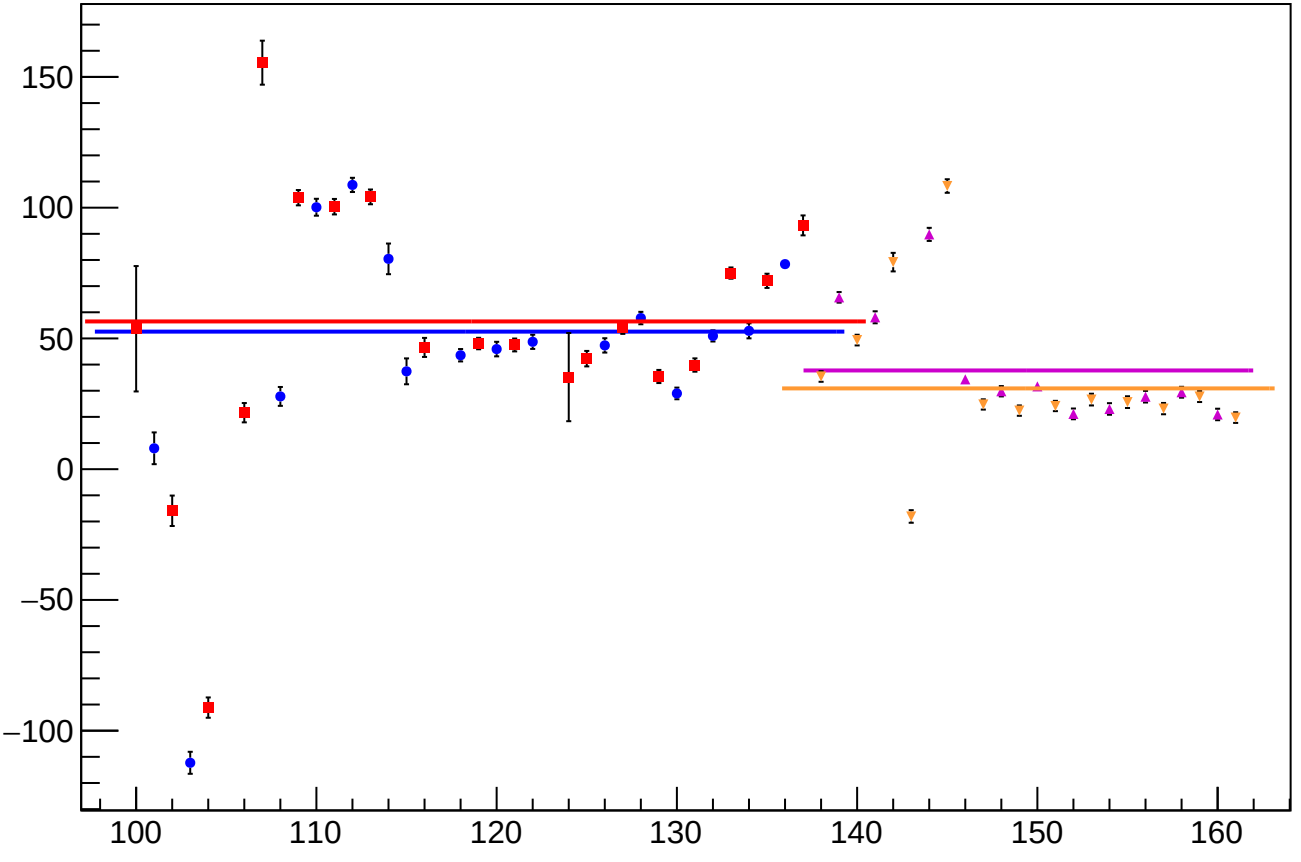
Left In: 9.993+/-0.441 χ^2/NDF:198.1/10

+ sign 13.007+/-0.344 χ^2/NDF: 1176.9/28

All: 13.452+/-0.249 χ^2/NDF: 2014.7/58

- sign 13.939+/-0.360 χ^2/NDF: 834.3/29

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 30.888+/-0.606 χ^2/NDF:1667.7/12

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

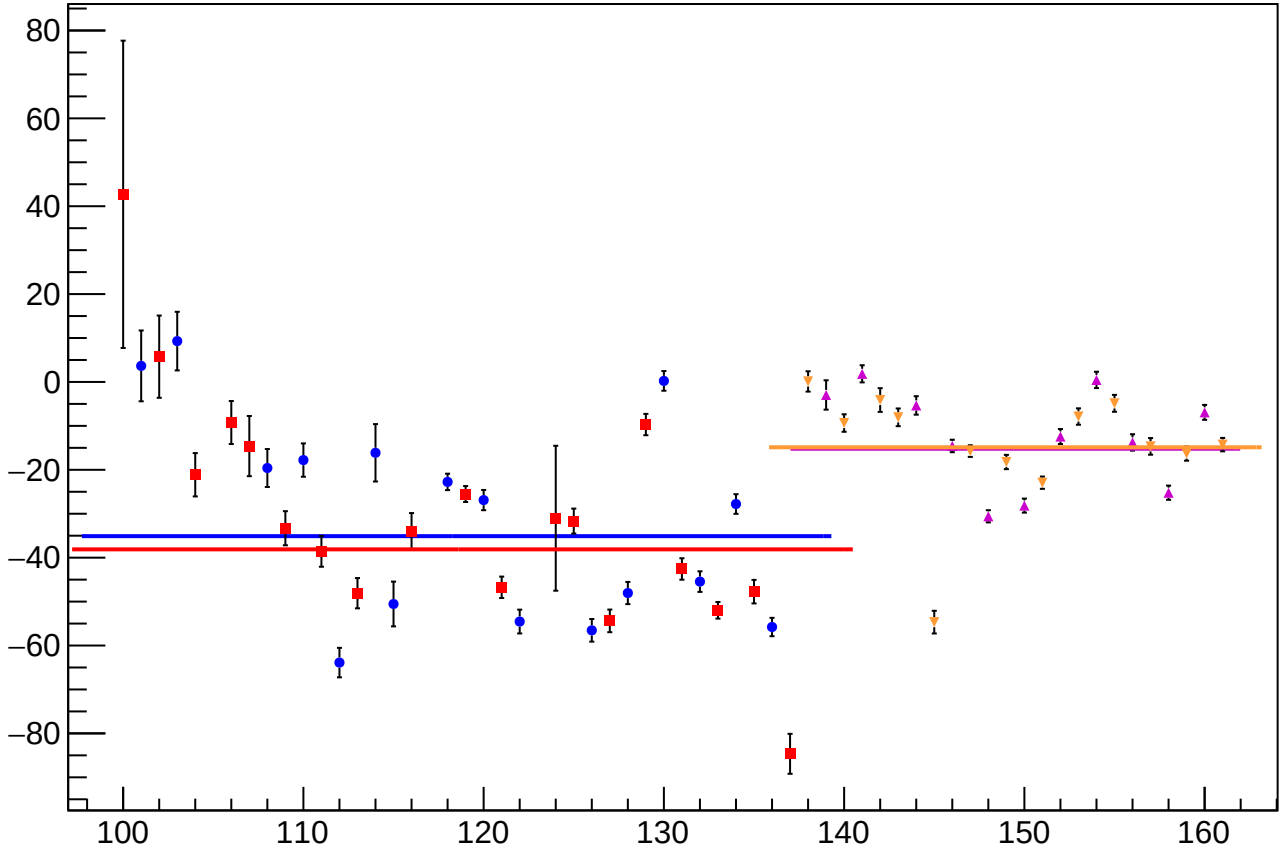
Left In: 37.754+/-0.636 χ^2/NDF:934.7/10

\+ sign 40.239+/-0.457 χ^2/NDF: 4880.9/28

All: 43.098+/-0.328 χ^2/NDF: 9251.9/58

\- sign 46.152+/-0.472 χ^2/NDF: 4290.0/29

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.872+/-0.496 χ^2/NDF:394.3/12

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

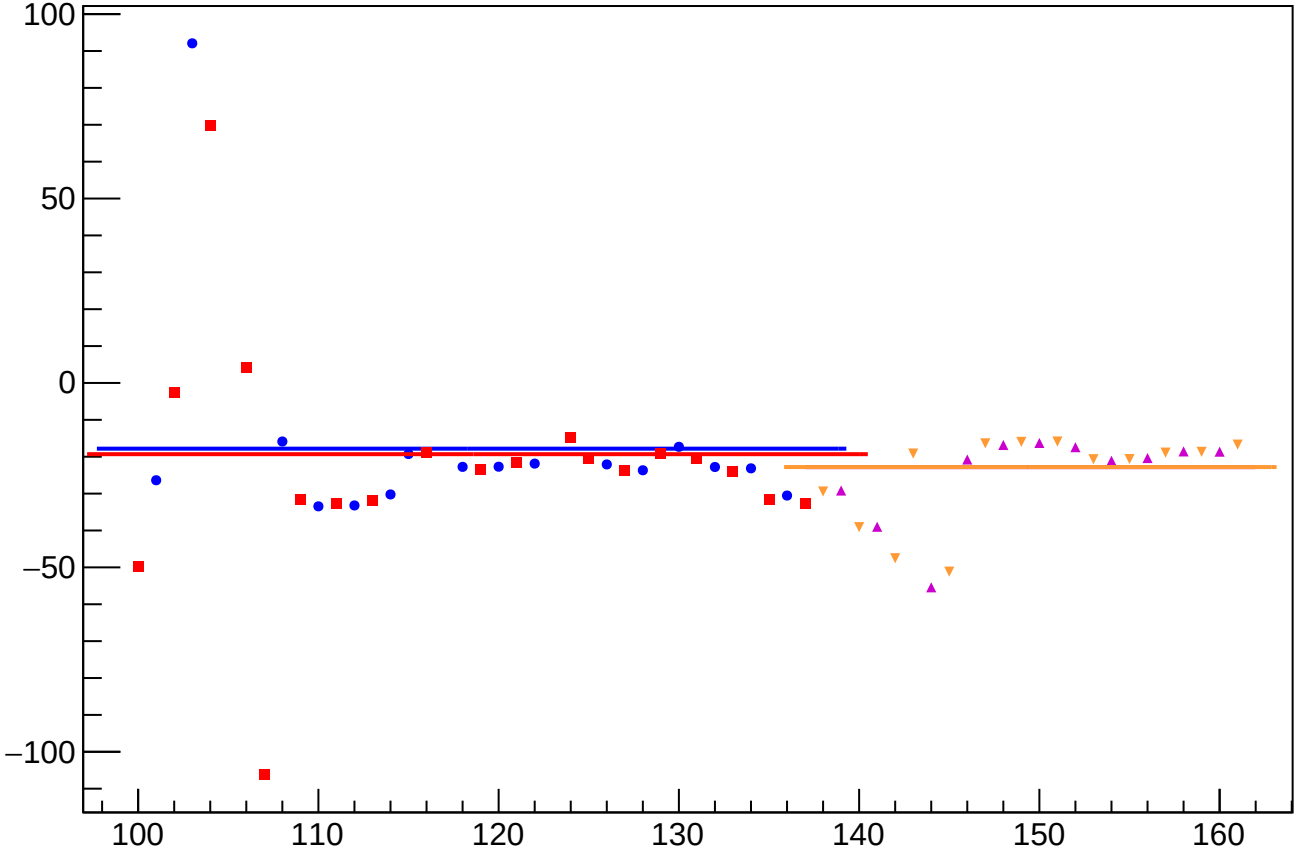
Left In: -15.203+/-0.525 χ^2/NDF:436.7/10

\+ sign -21.626+/-0.404 χ^2/NDF: 1723.8/28

All: -22.398+/-0.292 χ^2/NDF: 3351.0/58

\- sign -23.241+/-0.423 χ^2/NDF: 1619.6/29

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -22.802+/-0.023 χ^2/NDF:181659.1/12

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

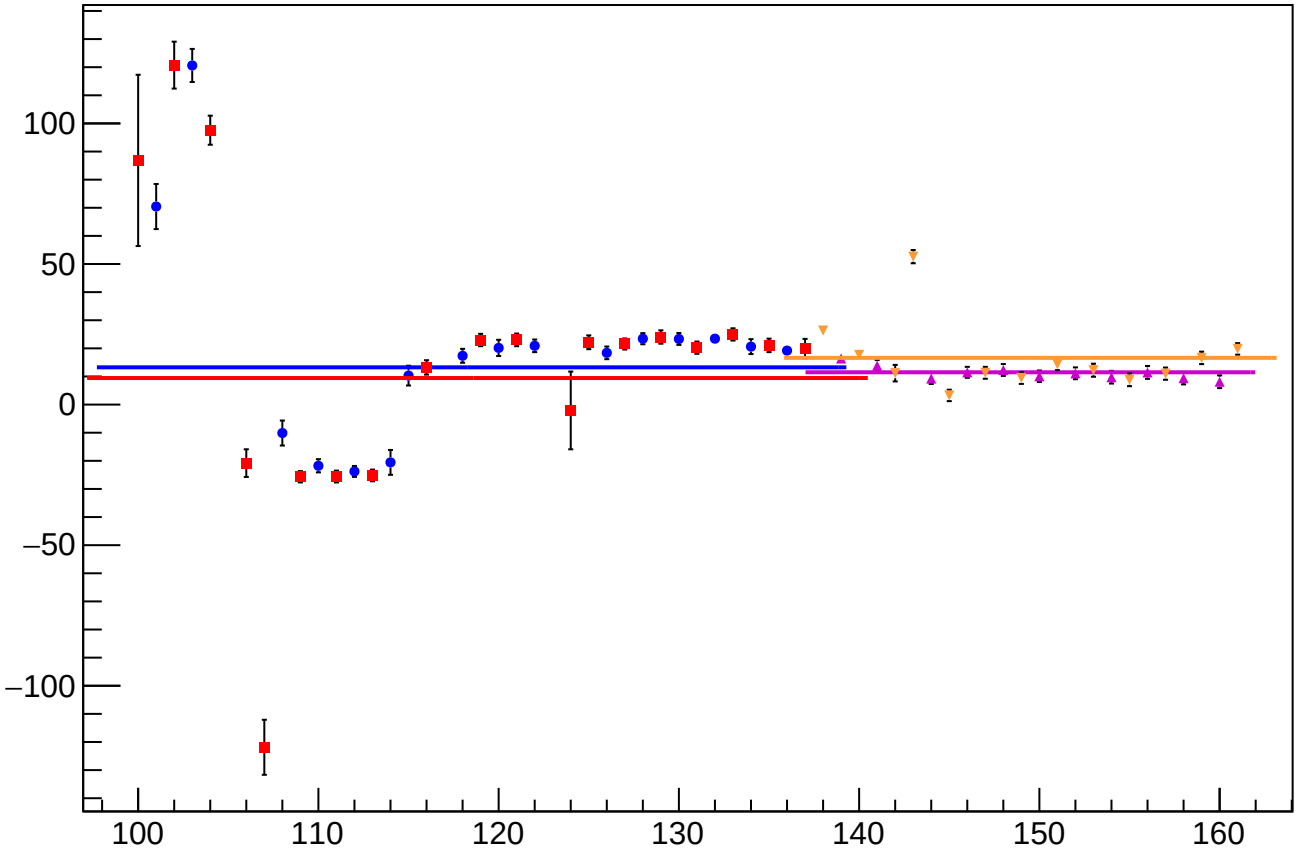
Left In: -22.827+/-0.024 χ^2/NDF:148446.6/10

\+ sign -21.705+/-0.020 χ^2/NDF: 618134.5/28

All: -21.890+/-0.015 χ^2/NDF: 1115980.5/58

\- sign -22.089+/-0.021 χ^2/NDF: 497673.7/29

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 16.621+/-0.589 χ^2/NDF:352.0/12

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

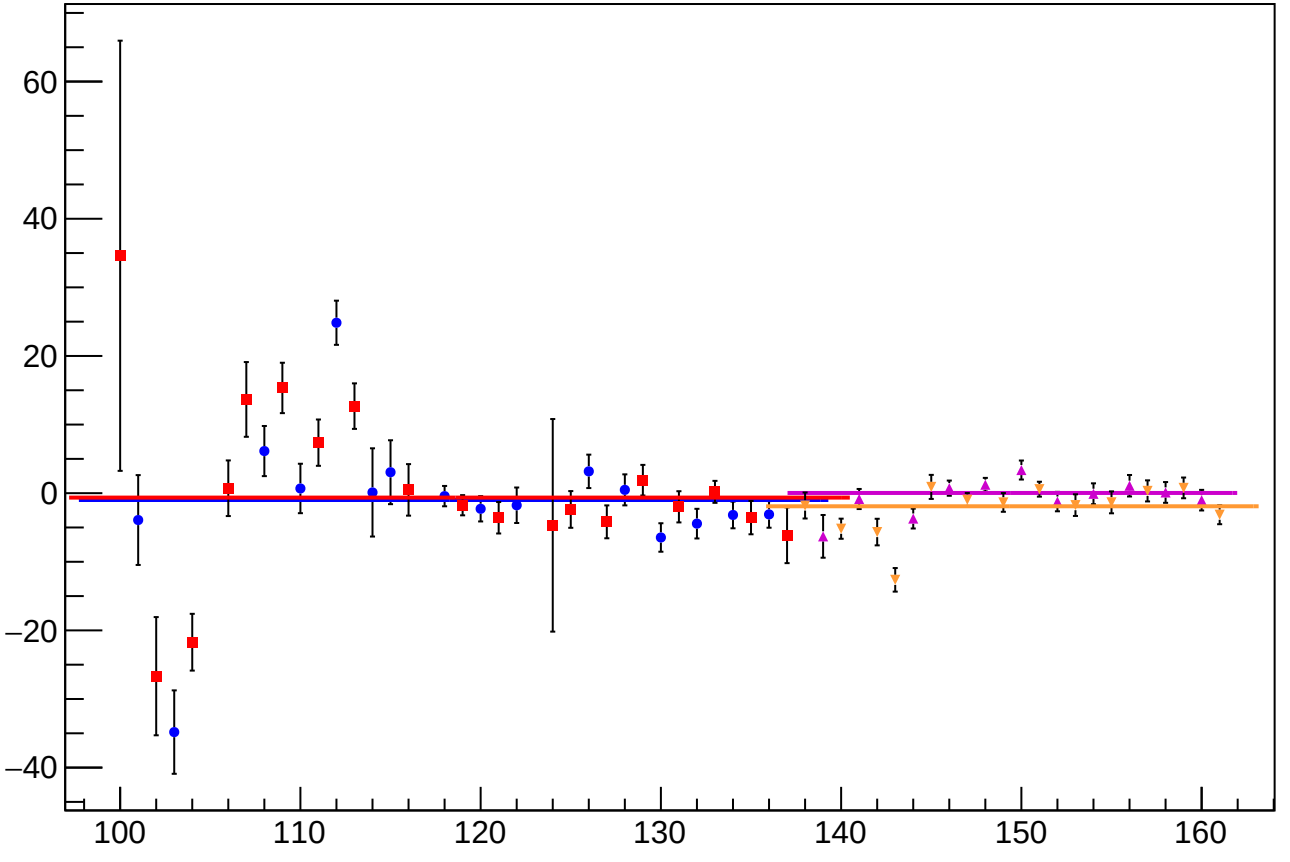
Left In: 11.490+/-0.622 χ^2/NDF:15.1/10

+ sign 15.006+/-0.425 χ^2/NDF: 1550.1/28

All: 12.795+/-0.305 χ^2/NDF: 3462.9/58

- sign 10.459+/-0.437 χ^2/NDF: 1857.2/29

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.910+/-0.399 χ^2/NDF:62.8/12

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

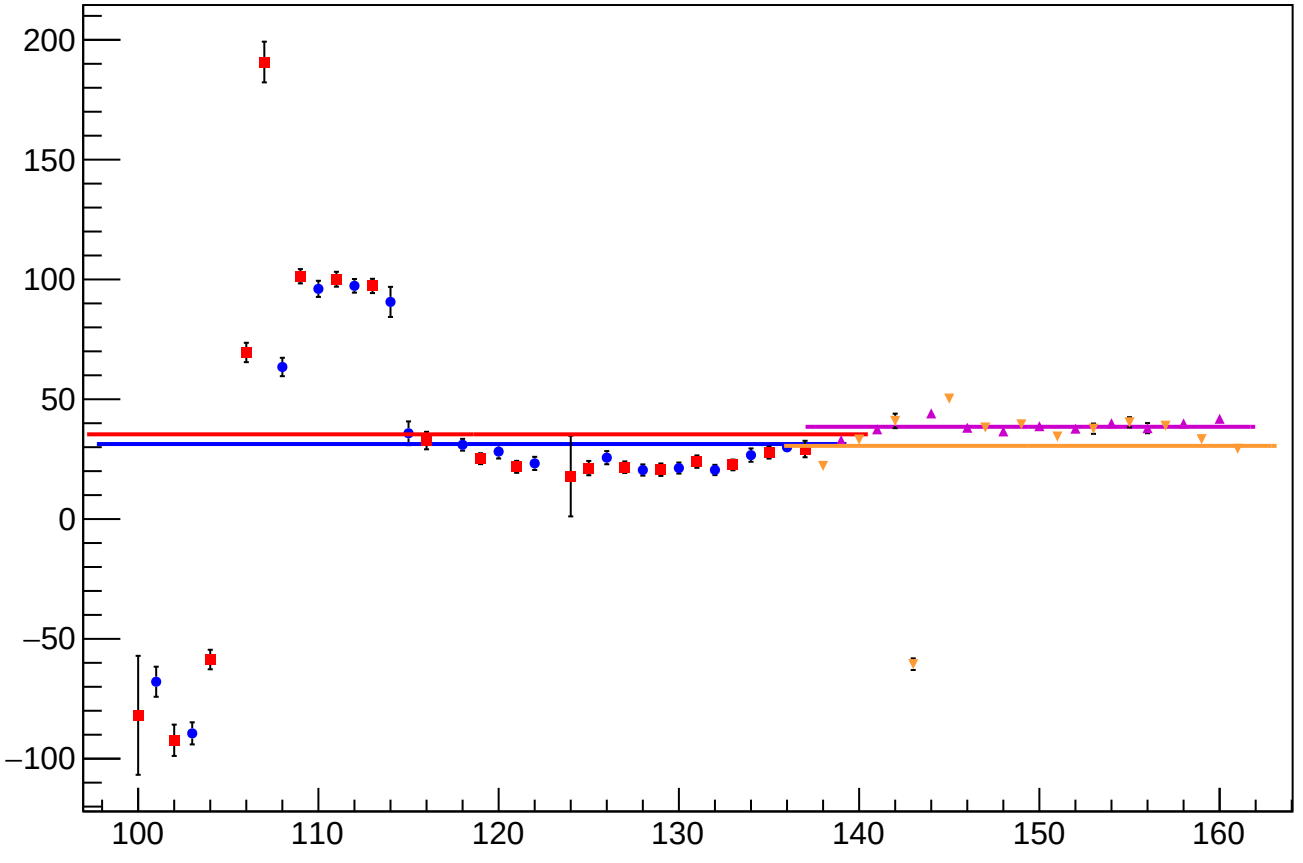
Left In: 0.032+/-0.422 χ^2/NDF:20.6/10

+ sign -1.642+/-0.335 χ^2/NDF: 180.7/28

All: -0.943+/-0.243 χ^2/NDF: 305.4/58

- sign -0.175+/-0.352 χ^2/NDF: 115.6/29

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.549+/-0.572 χ^2/NDF:1625.3/12

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

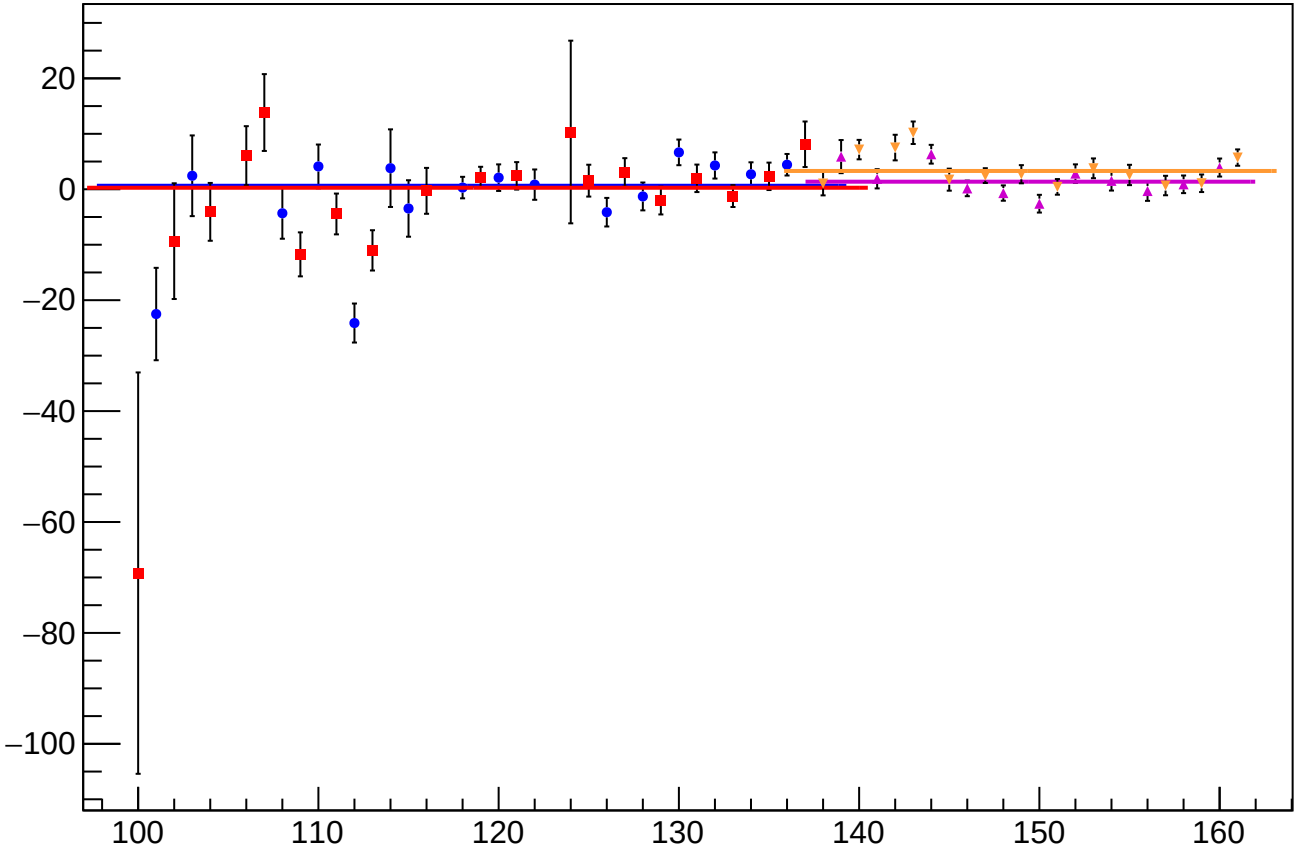
Left In: 38.508+/-0.600 χ^2/NDF:22.3/10

\+ sign 30.853+/-0.443 χ^2/NDF: 3711.9/28

All: 33.913+/-0.319 χ^2/NDF: 6742.2/58

\- sign 37.214+/-0.460 χ^2/NDF: 2931.3/29

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.300+/-0.473 χ^2/NDF:33.3/12

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

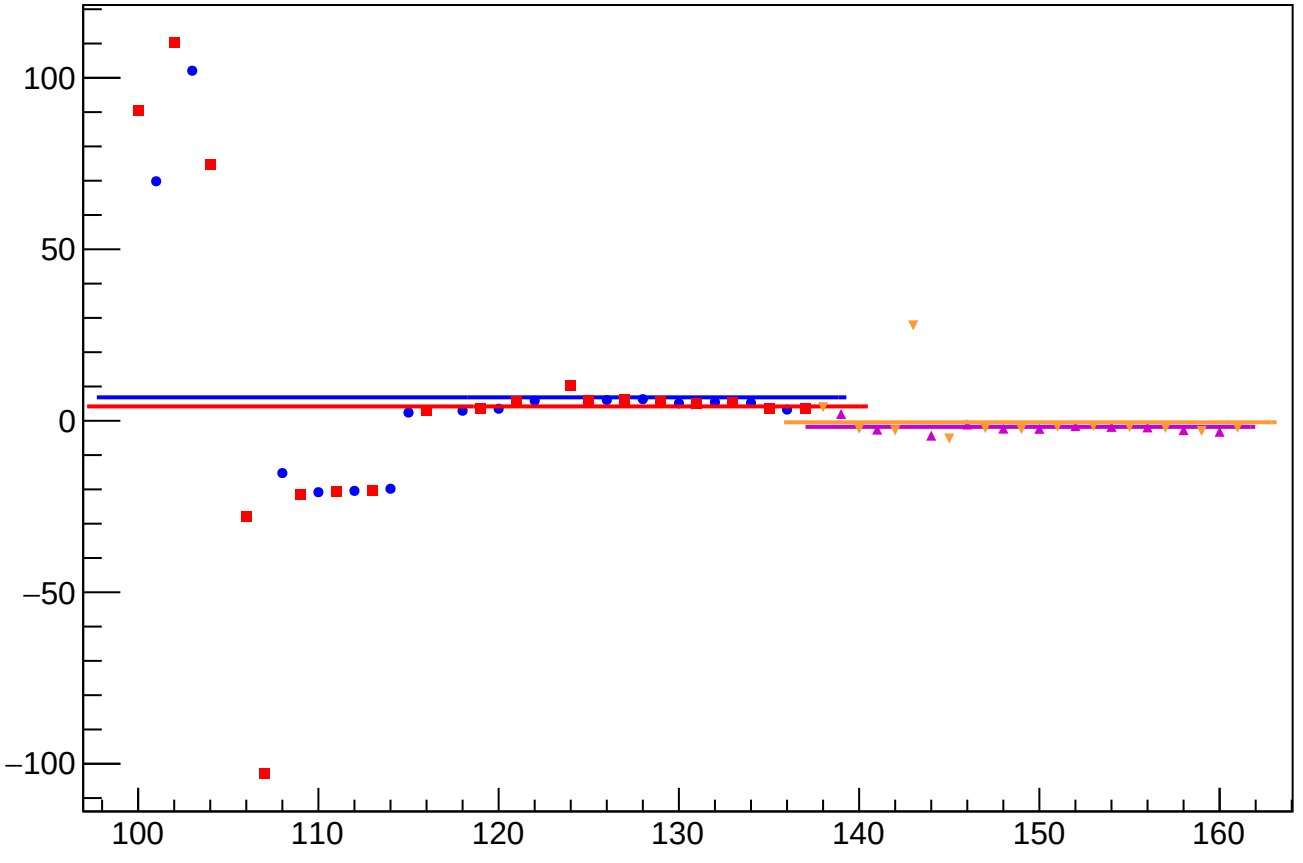
Left In: 1.367+/-0.501 χ^2/NDF:24.2/10

+ sign 2.470+/-0.393 χ^2/NDF: 121.6/28

All: 1.778+/-0.284 χ^2/NDF: 194.4/58

- sign 1.015+/-0.412 χ^2/NDF: 66.2/29

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: -0.436+/-0.022 χ^2/NDF:90786.1/12

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

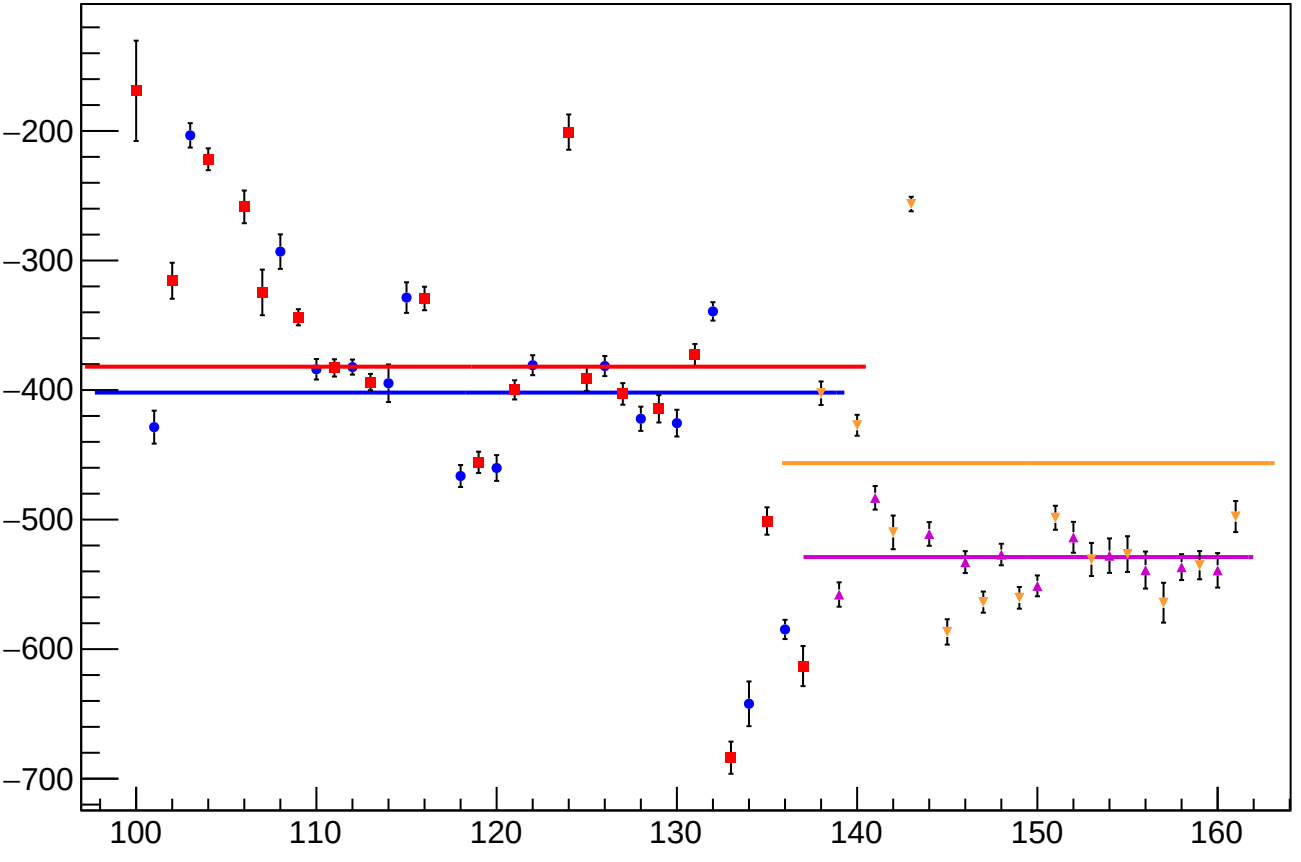
Left In: -1.773+/-0.022 χ^2/NDF:5065.1/10

+ sign 1.048+/-0.019 χ^2/NDF: 434683.8/28

All: 0.243+/-0.014 χ^2/NDF: 891334.0/58

- sign -0.635+/-0.020 χ^2/NDF: 453035.1/29

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -456.382+/-2.601 χ^2/NDF:2046.2/12

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

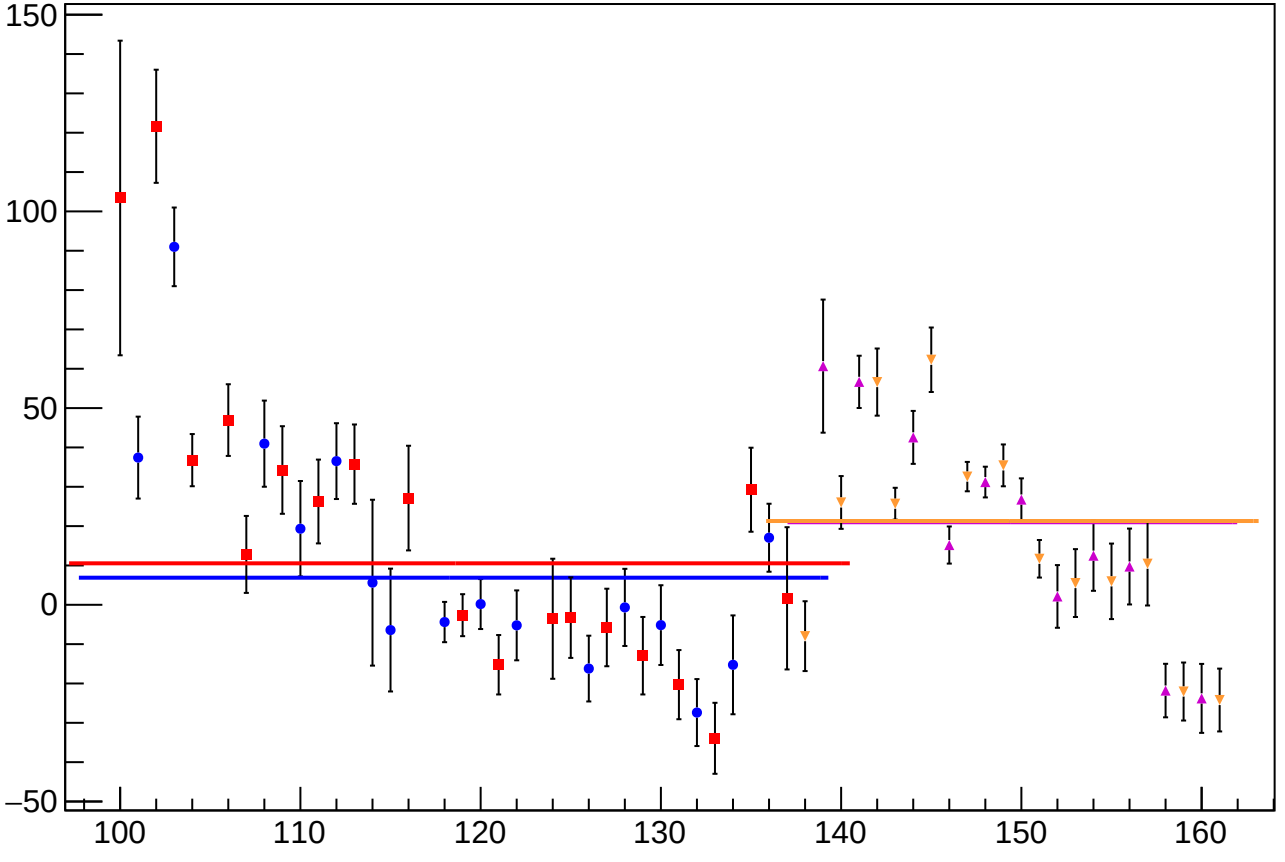
Left In: -528.931+/-2.980 χ^2/NDF:49.8/10

+ sign -425.092+/-1.696 χ^2/NDF: 3861.3/28

All: -428.219+/-1.211 χ^2/NDF: 7348.4/58

- sign -431.473+/-1.730 χ^2/NDF: 3480.1/29

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 21.297+/-1.708 χ^2/NDF:148.9/12

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

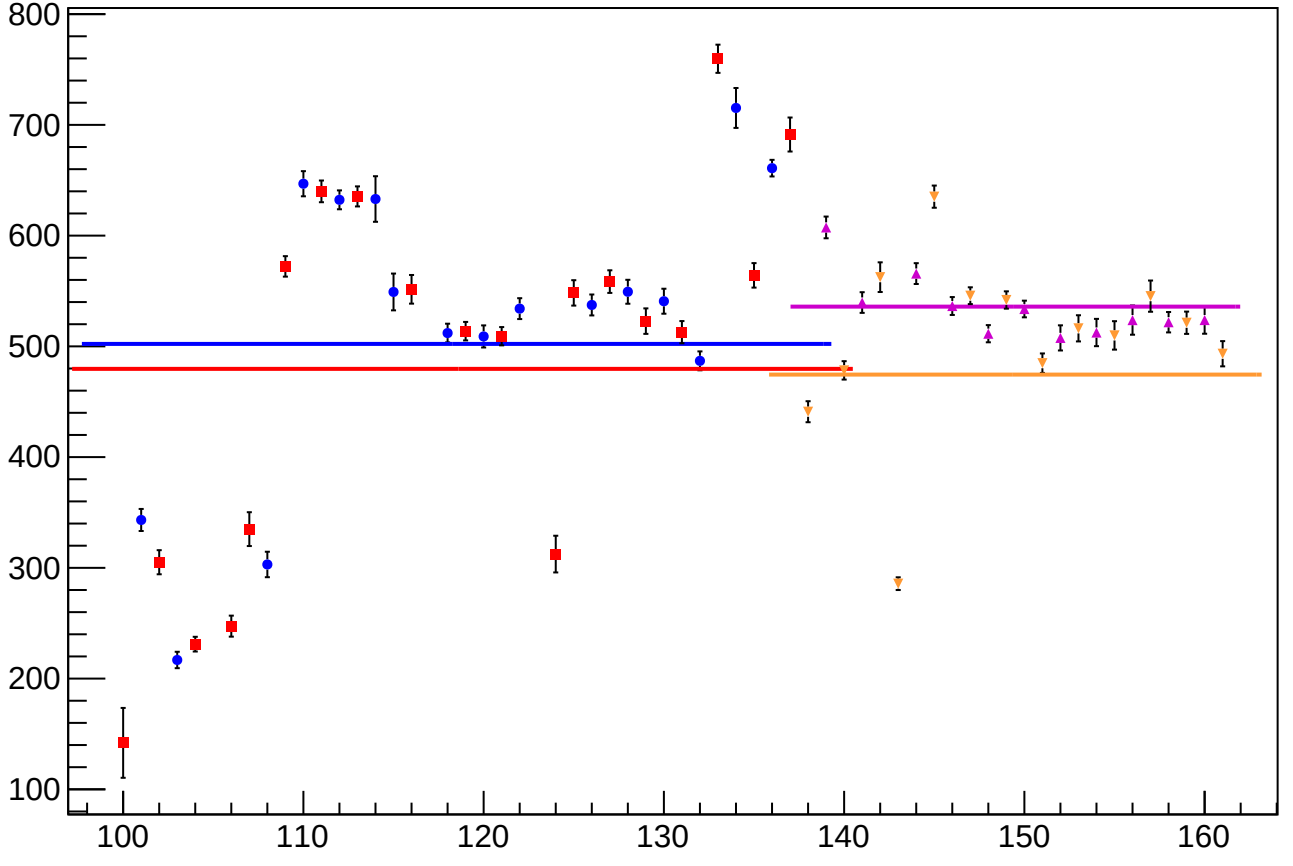
Left In: 20.984+/-1.936 χ^2/NDF:127.6/10

\+ sign 16.071+/-1.364 χ^2/NDF: 313.1/28

All: 16.235+/-0.994 χ^2/NDF: 633.5/58

\- sign 16.421+/-1.453 χ^2/NDF: 320.4/29

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 474.509+/-2.549 χ^2/NDF:1626.6/12

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

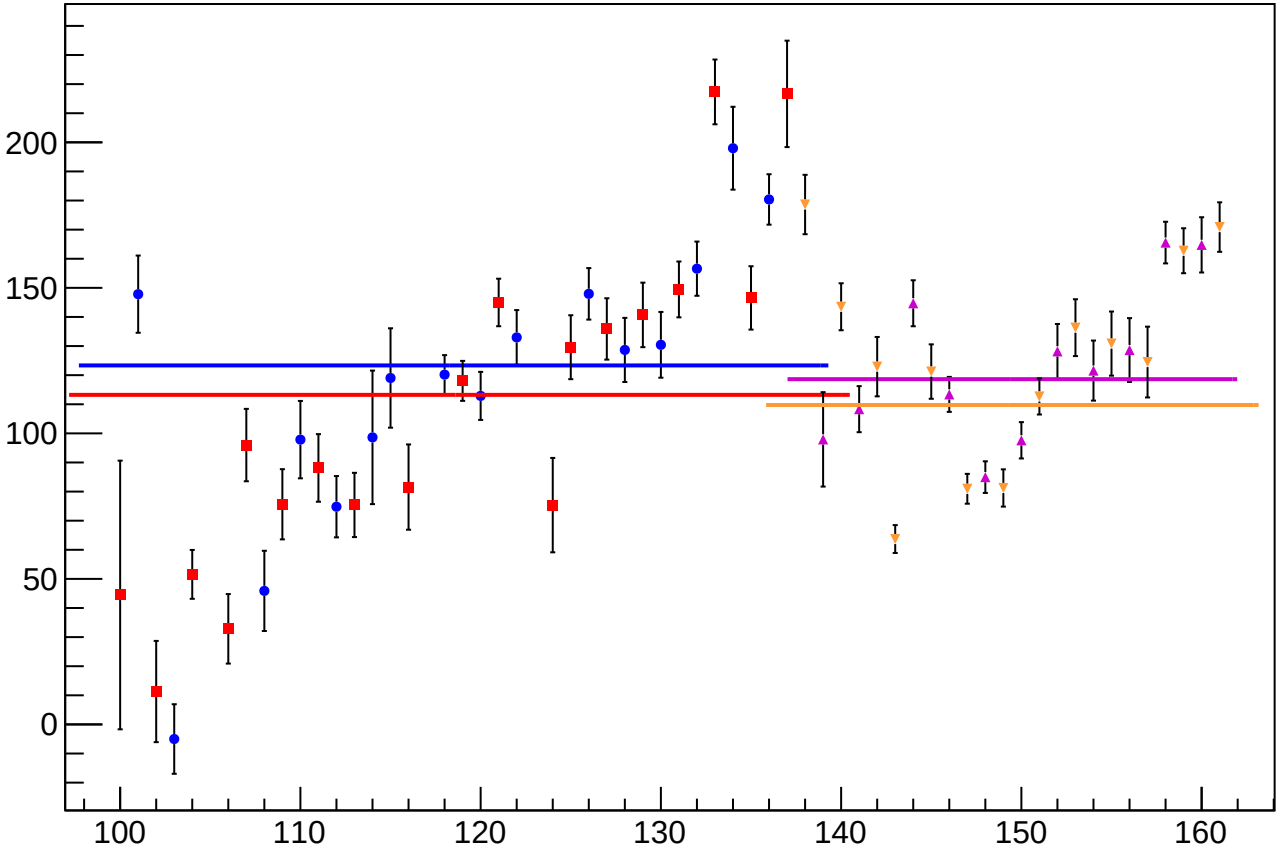
Left In: 535.884+/-2.873 χ^2/NDF:87.4/10

+ sign 488.670+/-1.782 χ^2/NDF: 4822.1/28

All: 495.491+/-1.281 χ^2/NDF: 9303.8/58

- sign 502.774+/-1.842 χ^2/NDF: 4451.4/29

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 109.747+/-2.067 χ^2/NDF:321.6/12

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

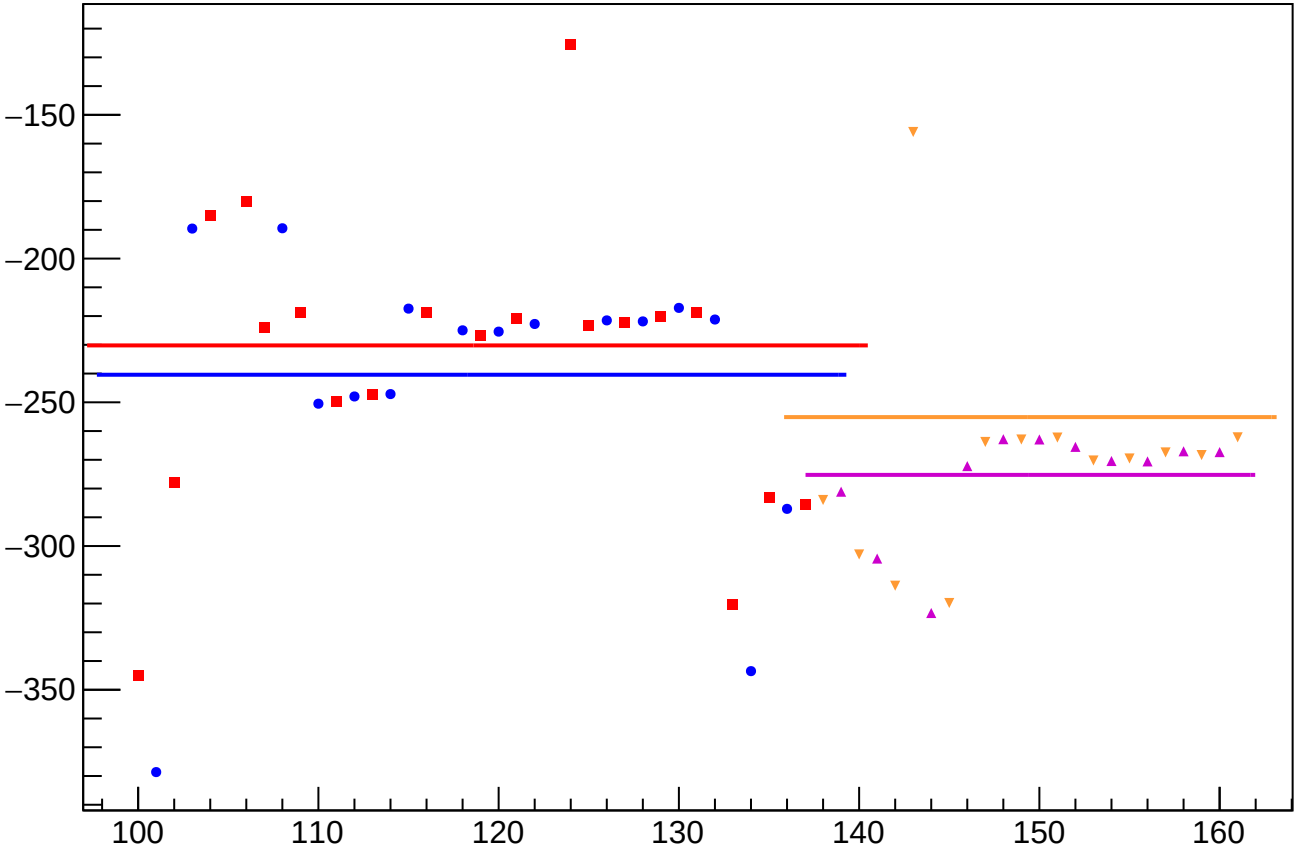
Left In: 118.624+/-2.339 χ^2/NDF:133.3/10

+ sign 114.945+/-1.624 χ^2/NDF: 609.5/28

All: 115.515+/-1.182 χ^2/NDF: 1091.3/58

- sign 116.156+/-1.722 χ^2/NDF: 481.5/29

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -255.147+/-0.101 χ^2/NDF:238573.0/12

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

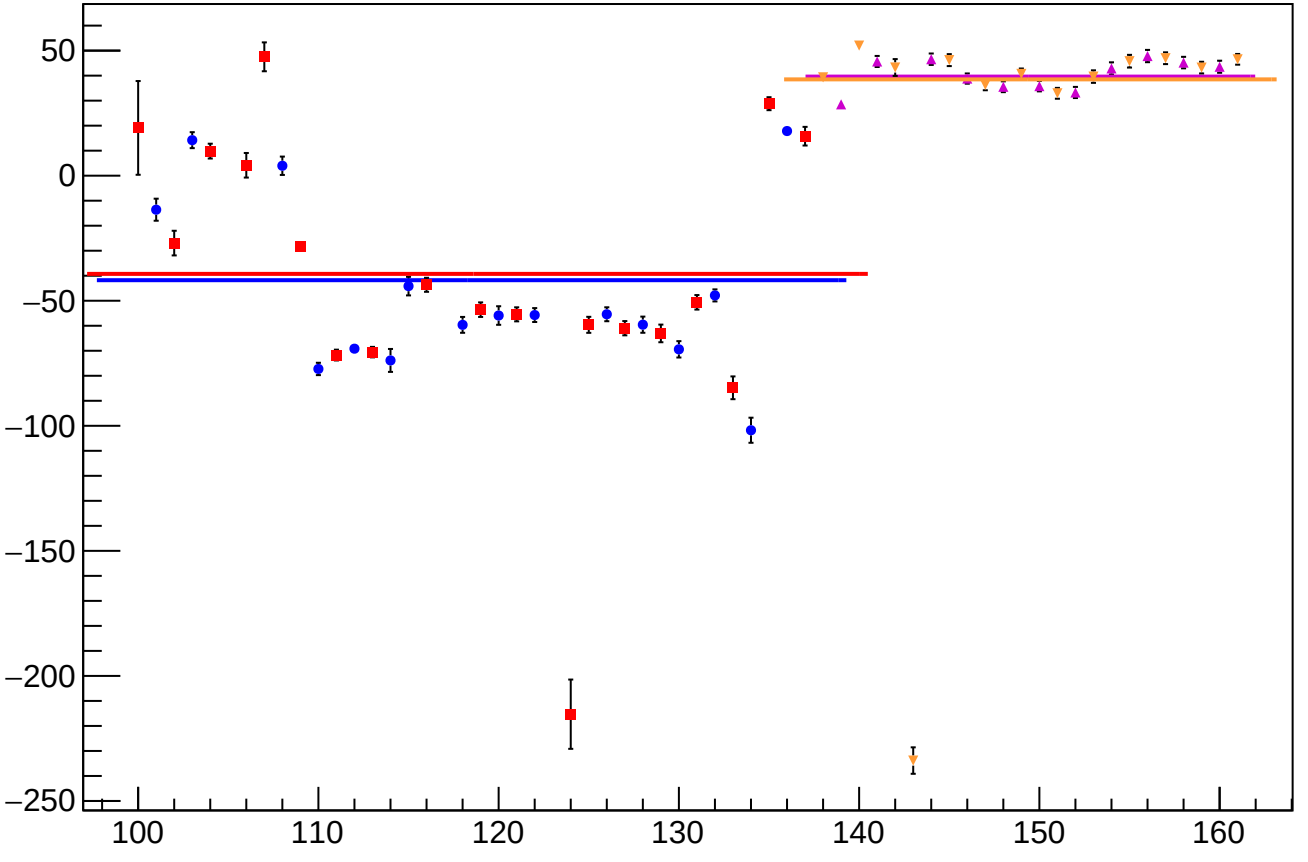
Left In: -275.248+/-0.110 χ^2/NDF:24149.8/10

+ sign -250.578+/-0.084 χ^2/NDF: 379329.4/28

All: -254.547+/-0.061 χ^2/NDF: 551912.1/58

- sign -258.933+/-0.088 χ^2/NDF: 167869.0/29

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 38.502+/-0.651 χ^2/NDF:2758.8/12

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

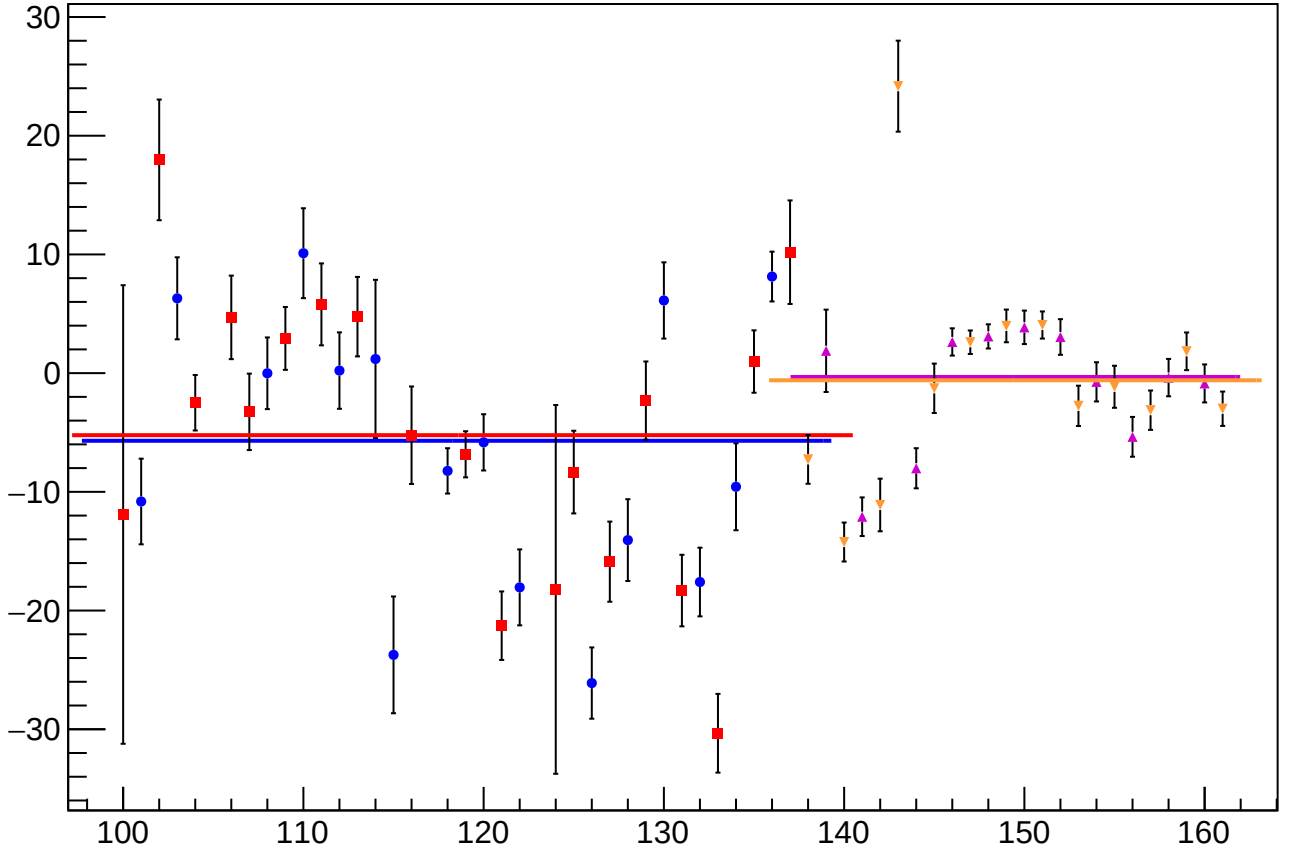
Left In: 39.616+/-0.668 χ^2/NDF:86.5/10

+ sign 2.552+/-0.484 χ^2/NDF: 11972.4/28

All: 1.683+/-0.340 χ^2/NDF: 21392.0/58

- sign 0.841+/-0.477 χ^2/NDF: 9413.3/29

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.603+/-0.433 χ^2/NDF:191.0/12

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

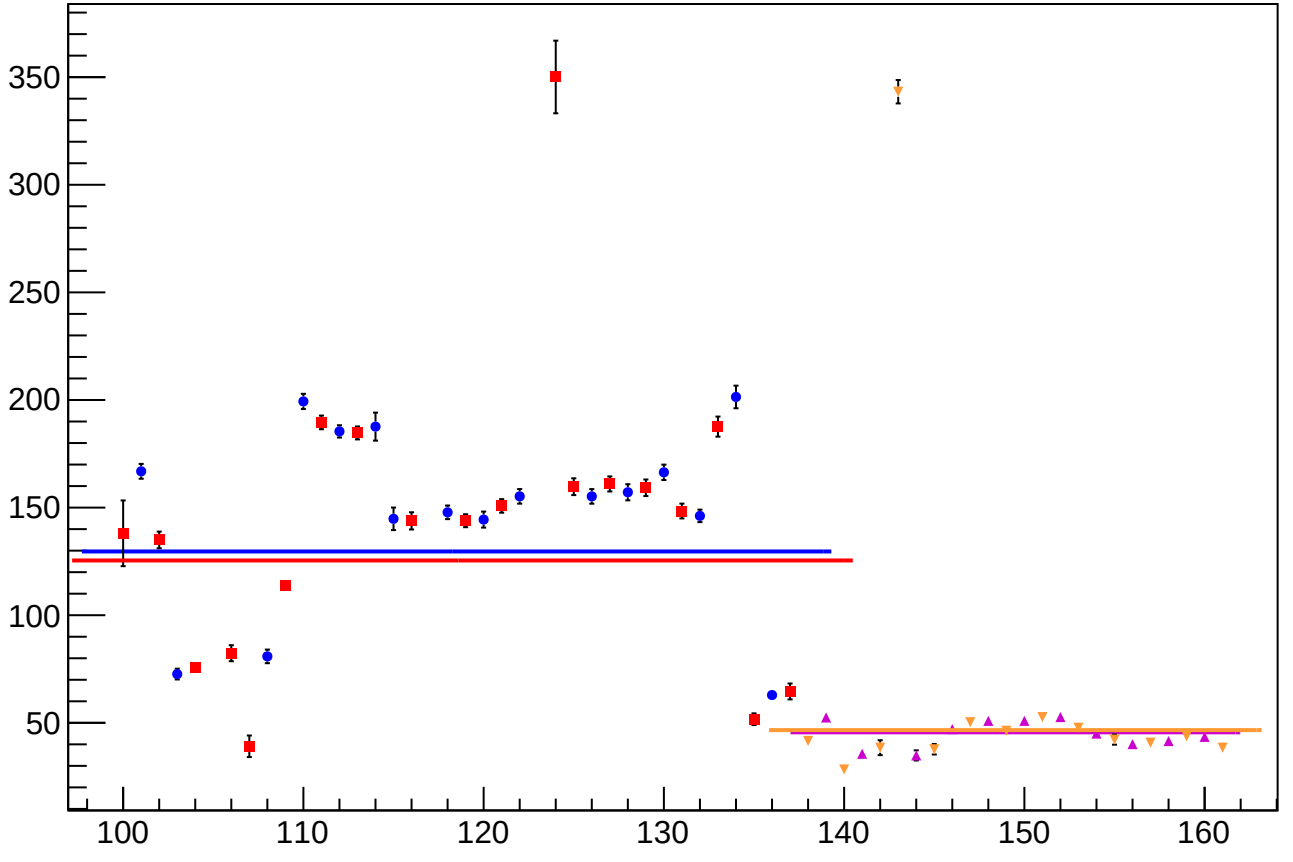
Left In: -0.325+/-0.448 χ^2/NDF:114.3/10

+ sign -1.870+/-0.376 χ^2/NDF: 422.1/28

All: -1.756+/-0.268 χ^2/NDF: 766.1/58

- sign -1.638+/-0.383 χ^2/NDF: 343.8/29

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 46.614+/-0.629 χ^2/NDF:3121.2/12

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

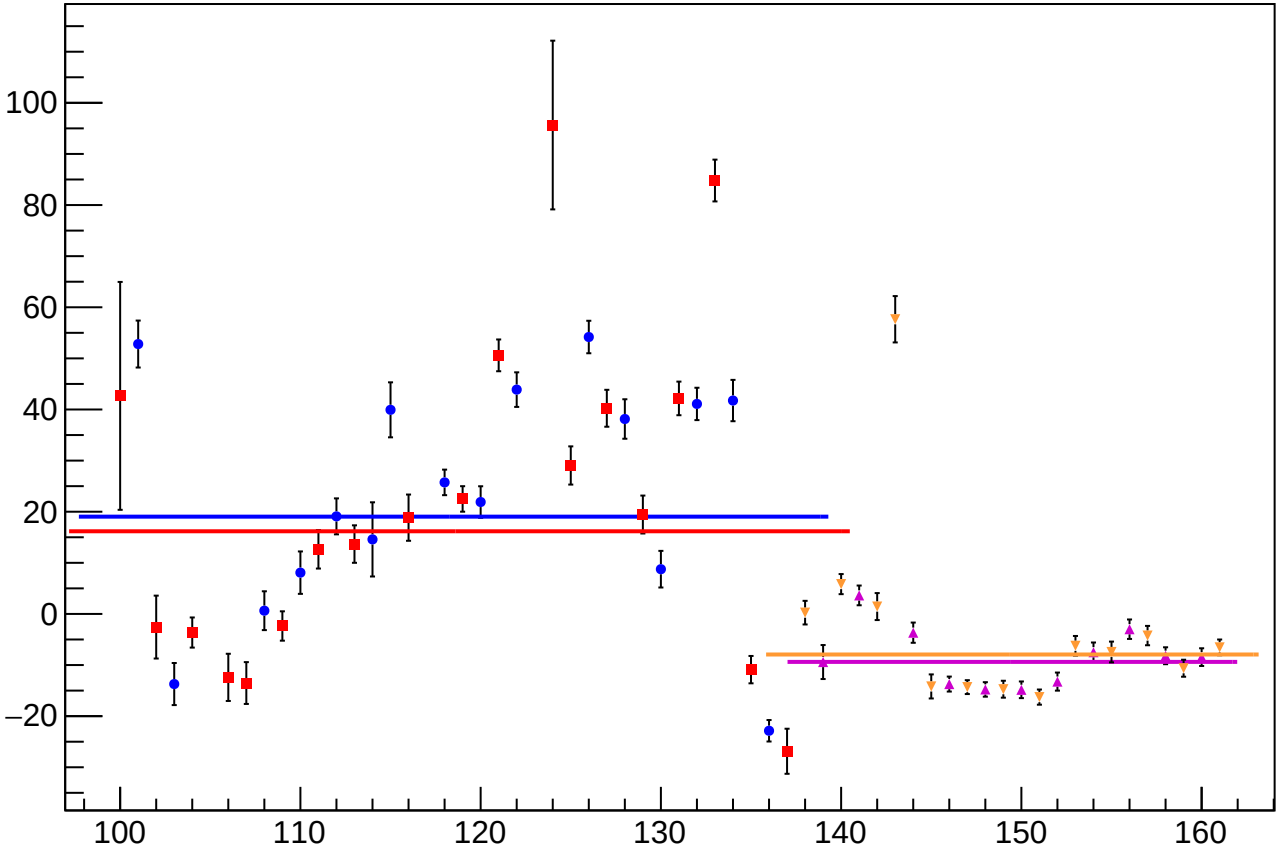
Left In: 45.588+/-0.643 χ^2/NDF:88.4/10

+ sign 78.273+/-0.494 χ^2/NDF: 13395.0/28

All: 77.852+/-0.351 χ^2/NDF: 23133.4/58

- sign 77.424+/-0.499 χ^2/NDF: 9737.0/29

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -7.936+/-0.516 χ^2/NDF:369.2/12

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

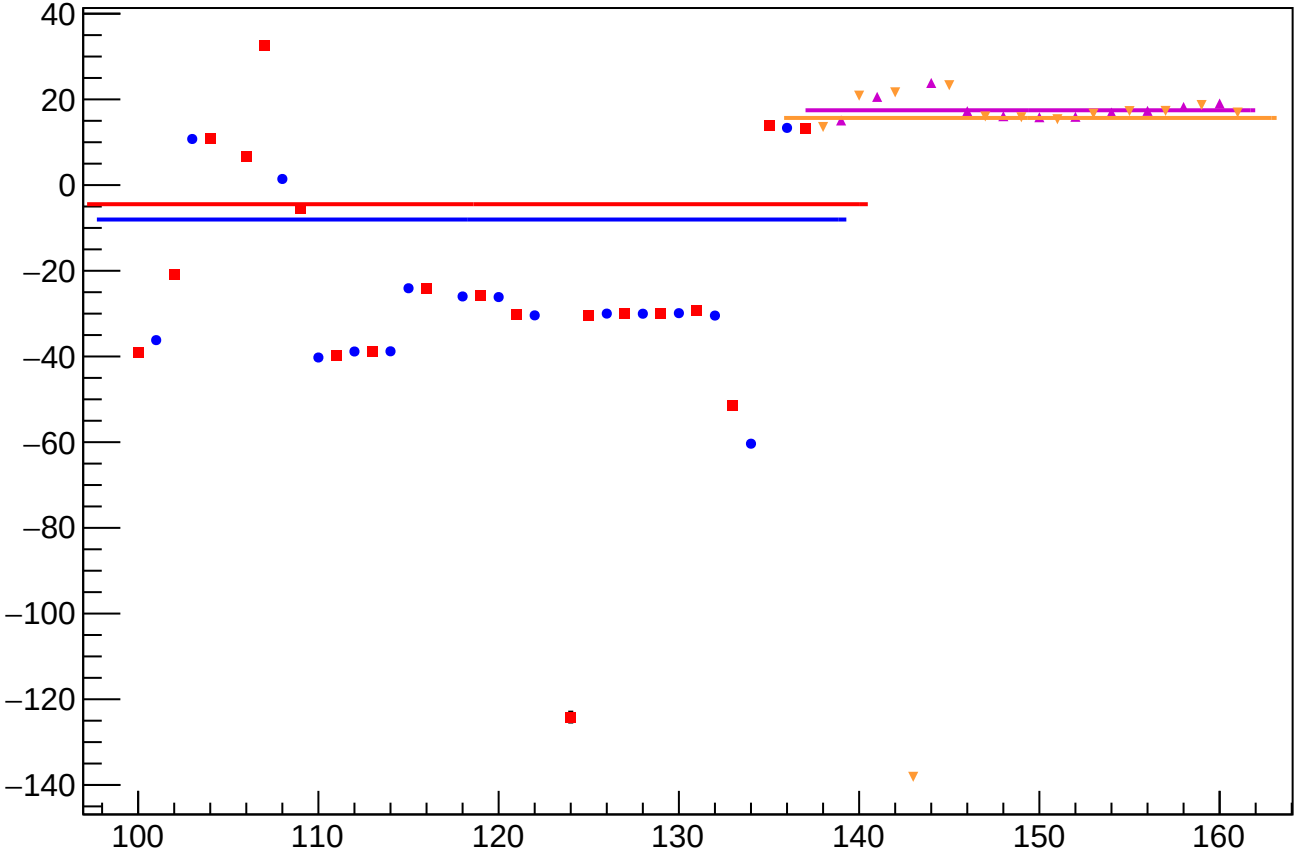
Left In: -9.384+/-0.533 χ^2/NDF:106.0/10

+ sign -0.797+/-0.442 χ^2/NDF: 1950.7/28

All: -1.451+/-0.316 χ^2/NDF: 3656.1/58

- sign -2.129+/-0.451 χ^2/NDF: 1700.9/29

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.671+/-0.024 χ^2/NDF:476116.2/12

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

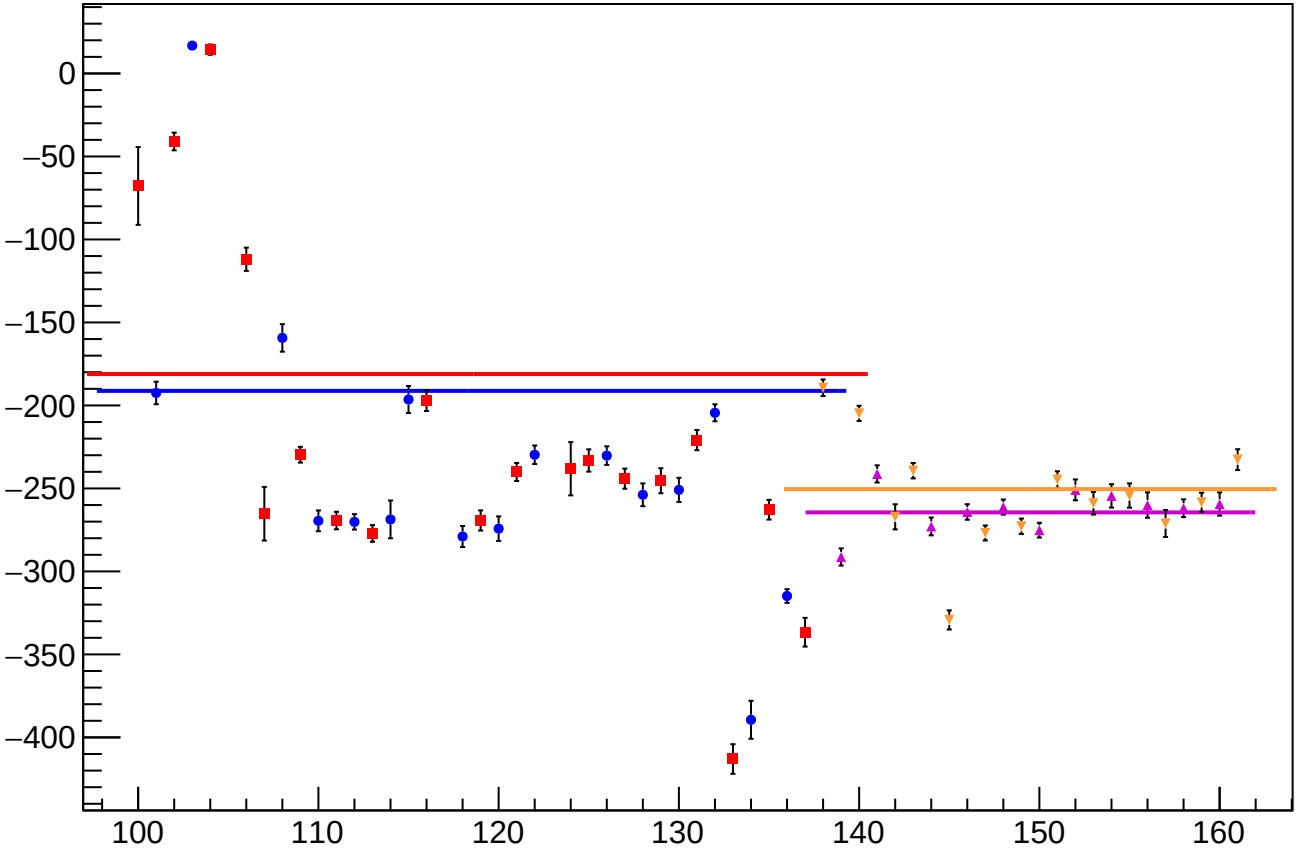
Left In: 17.461+/-0.024 χ^2/NDF:7571.1/10

+ sign 10.647+/-0.021 χ^2/NDF: 954928.7/28

All: 11.744+/-0.015 χ^2/NDF: 1369908.3/58

- sign 12.873+/-0.021 χ^2/NDF: 409493.7/29

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -250.411+/-1.529 χ^2/NDF:522.7/12

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

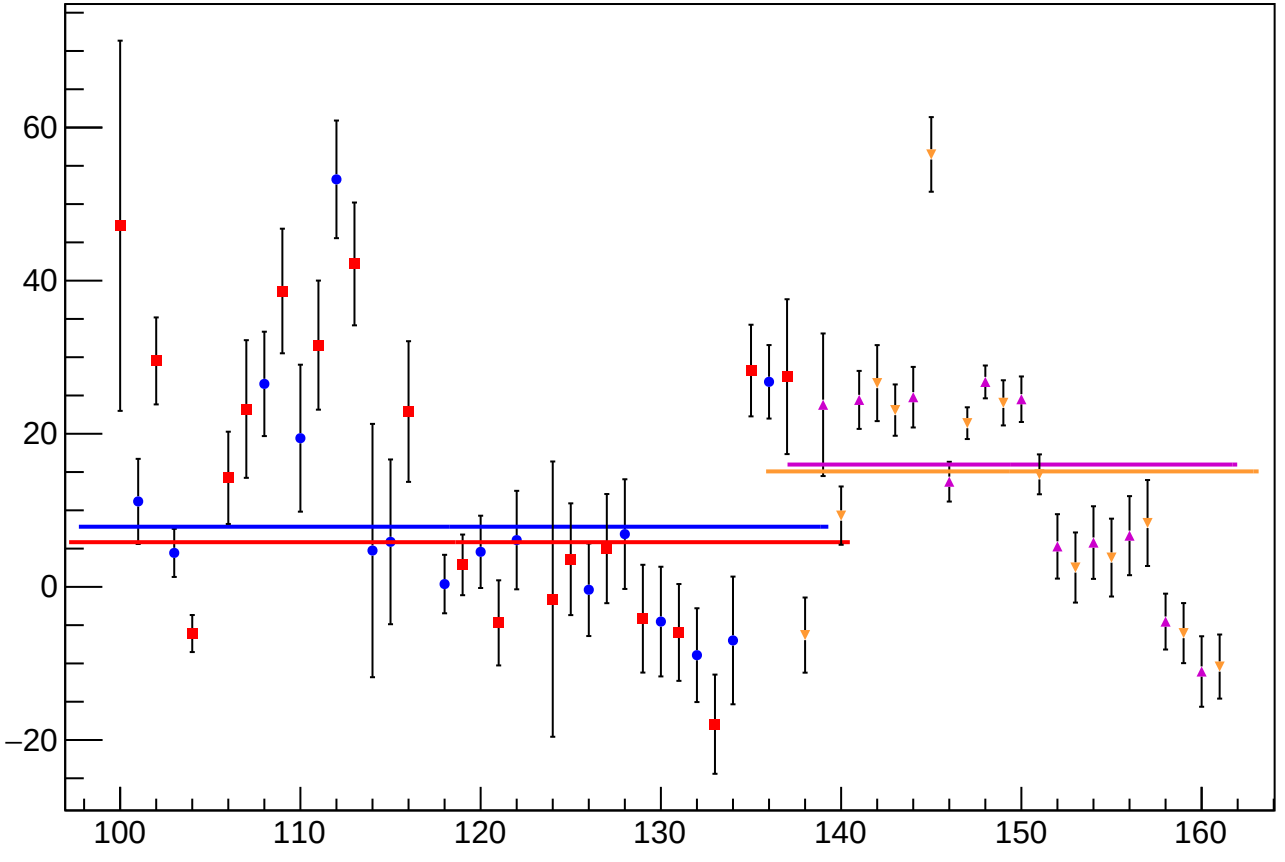
Left In: -264.439+/-1.640 χ^2/NDF:63.4/10

\+ sign -218.596+/-1.040 χ^2/NDF: 8552.4/28

All: -217.172+/-0.741 χ^2/NDF: 17503.5/58

\- sign -215.701+/-1.057 χ^2/NDF: 8947.3/29

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 15.084+/-0.992 χ^2/NDF:202.9/12

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

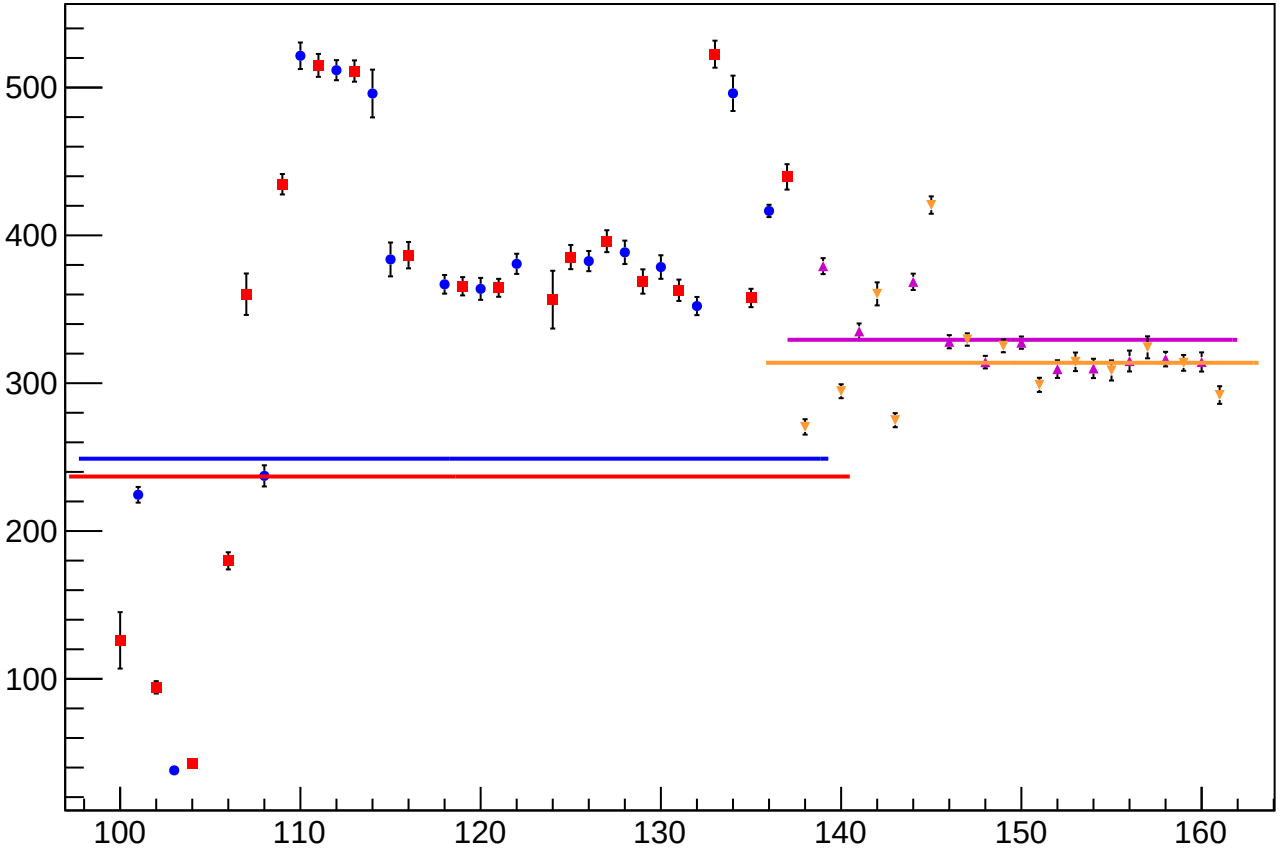
Left In: 15.979+/-1.063 χ^2/NDF:125.3/10

+ sign 12.755+/-0.816 χ^2/NDF: 301.0/28

All: 12.444+/-0.584 χ^2/NDF: 603.1/58

- sign 12.117+/-0.837 χ^2/NDF: 301.8/29

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 313.810+/-1.487 χ^2/NDF:563.3/12

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

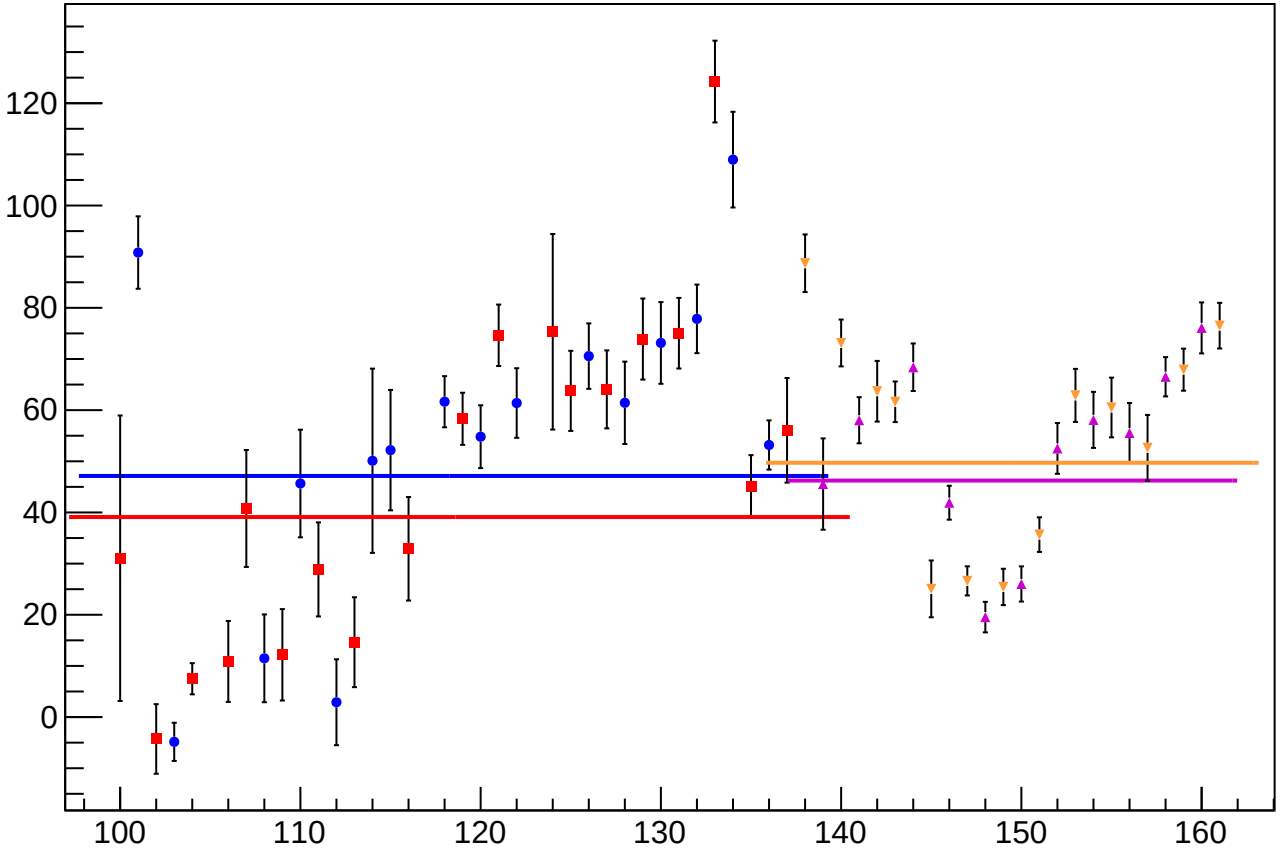
Left In: 329.366+/-1.578 χ^2/NDF:185.6/10

+ sign 279.921+/-1.028 χ^2/NDF: 16860.2/28

All: 278.895+/-0.734 χ^2/NDF: 34619.4/58

- sign 277.824+/-1.050 χ^2/NDF: 17757.2/29

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 49.715+/-1.200 χ^2/NDF:304.0/12

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

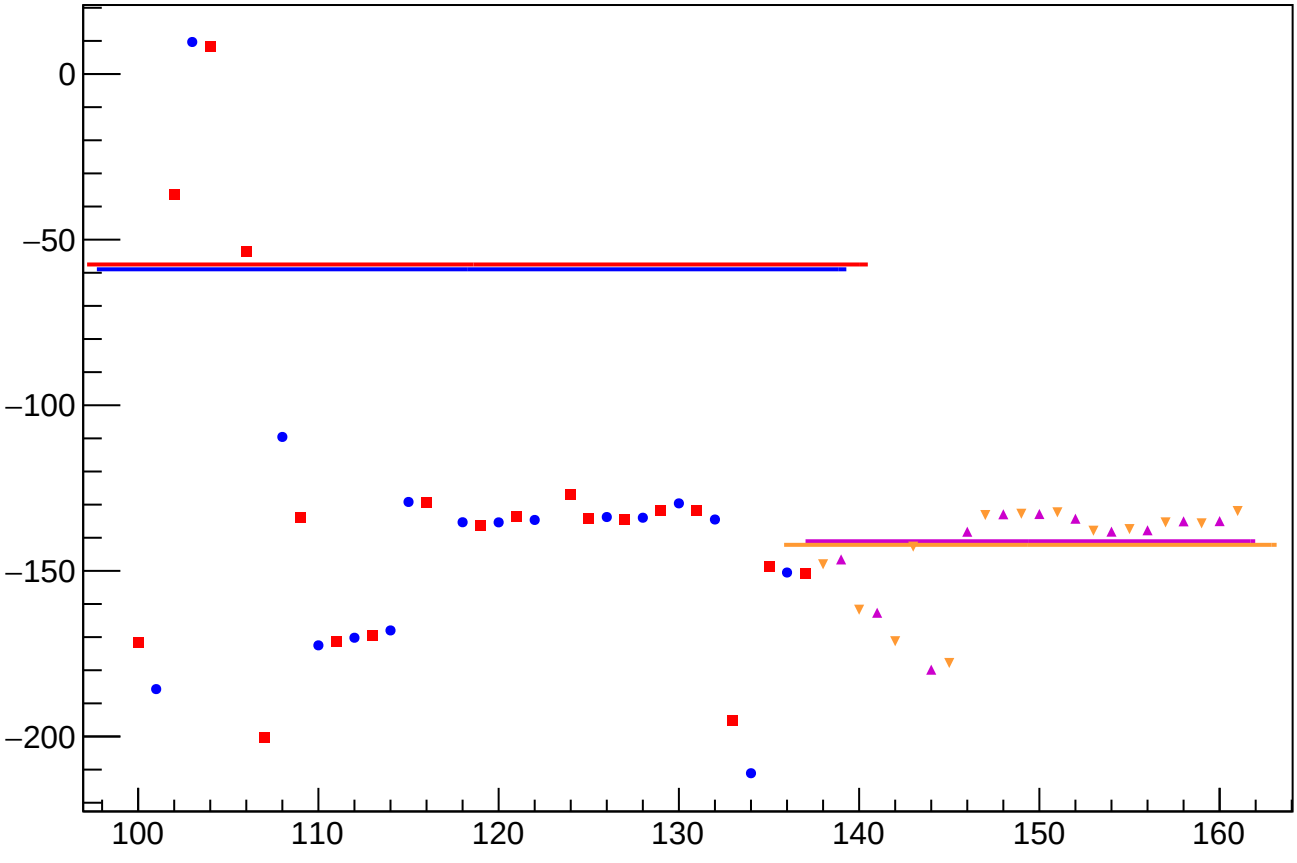
Left In: 46.235+/-1.283 χ^2/NDF:218.4/10

+ sign 48.835+/-0.974 χ^2/NDF: 690.9/28

All: 46.206+/-0.698 χ^2/NDF: 1352.9/58

- sign 43.435+/-1.000 χ^2/NDF: 647.0/29

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -142.136+/-0.058 χ^2/NDF:54009.9/12

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

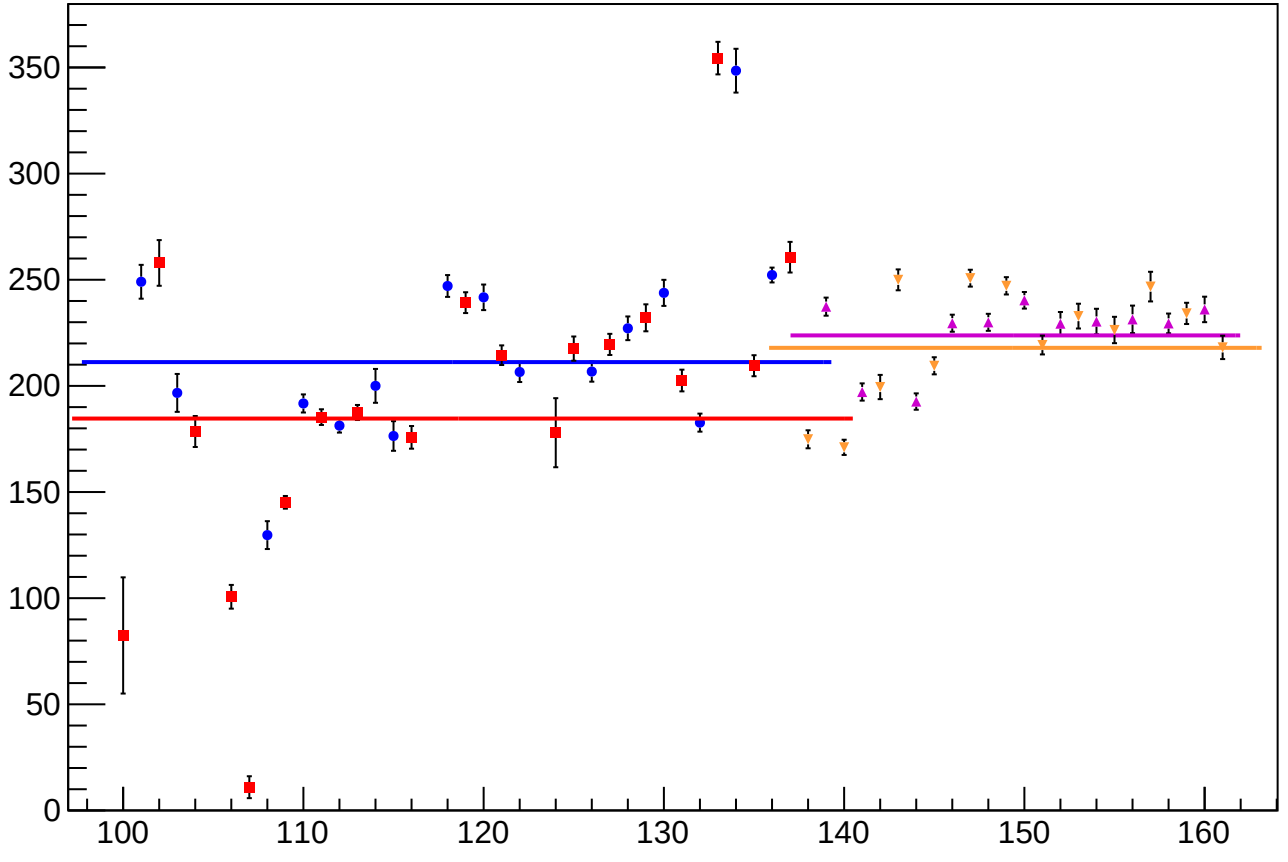
Left In: -141.058+/-0.060 χ^2/NDF:43231.5/10

+ sign -109.570+/-0.045 χ^2/NDF: 2079705.5/28

All: -108.721+/-0.033 χ^2/NDF: 3757453.3/58

- sign -107.818+/-0.047 χ^2/NDF: 1677027.0/29

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 217.925+/-1.302 χ^2/NDF:486.7/12

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

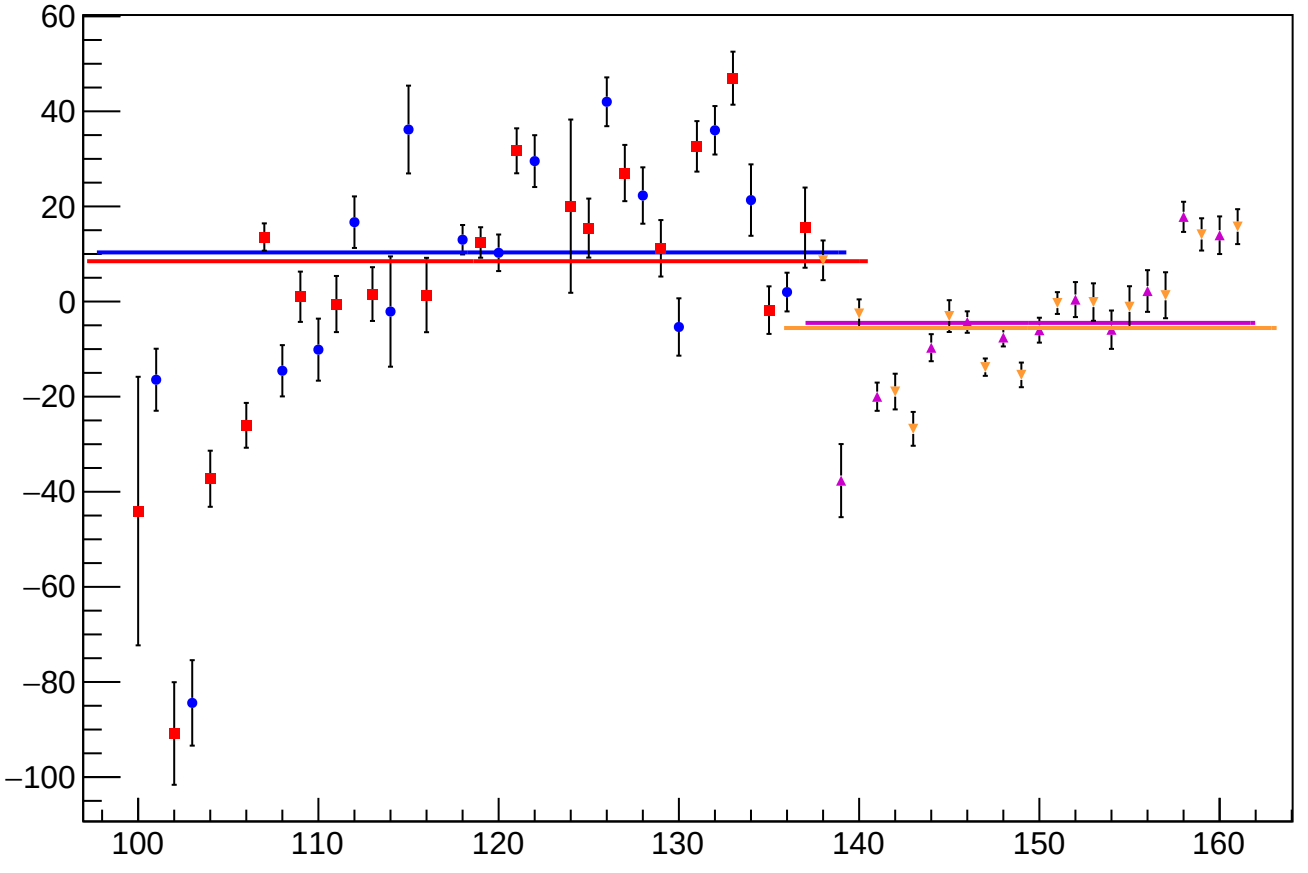
Left In: 223.779+/-1.371 χ^2/NDF:150.2/10

+ sign 214.551+/-0.918 χ^2/NDF: 1283.1/28

All: 207.896+/-0.643 χ^2/NDF: 4540.6/58

- sign 201.498+/-0.900 χ^2/NDF: 3154.5/29

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -5.566+/-0.854 χ^2/NDF:173.8/12

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

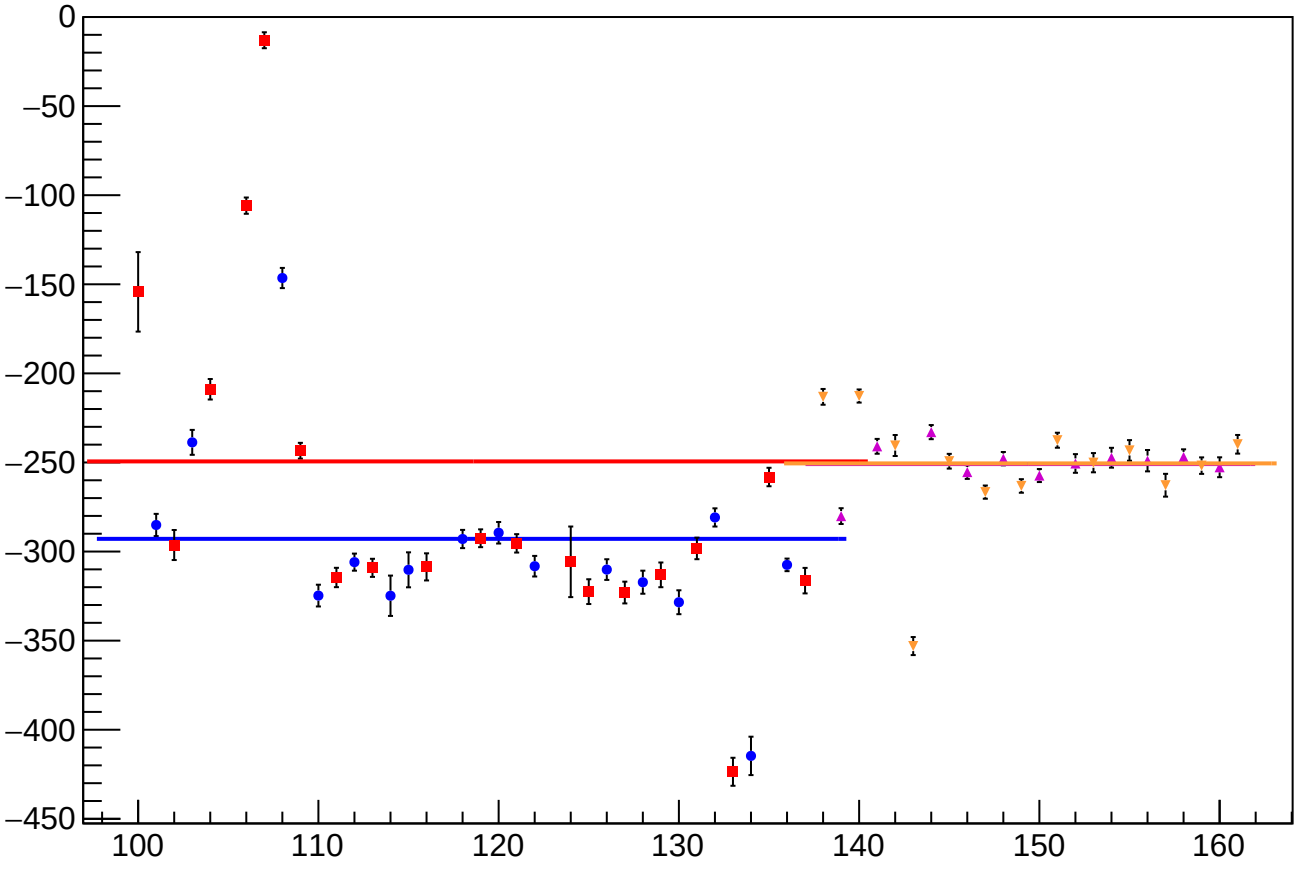
Left In: -4.487+/-0.903 χ^2/NDF:127.7/10

\+ sign -0.936+/-0.719 χ^2/NDF: 537.9/28

All: -0.434+/-0.511 χ^2/NDF: 1061.6/58

\- sign 0.077+/-0.727 χ^2/NDF: 522.7/29

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -250.523+/-1.269 χ^2/NDF:638.4/12

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

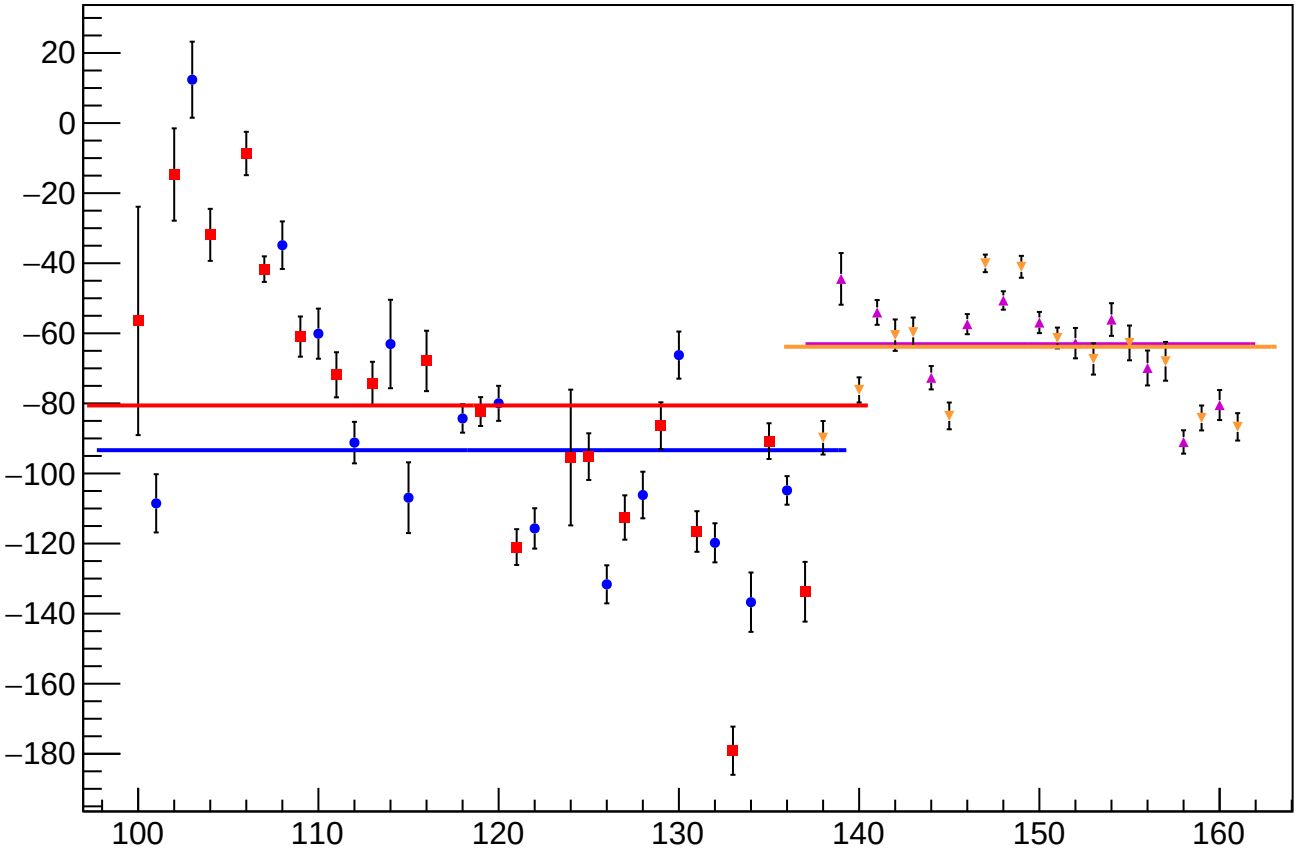
Left In: -250.905+/-1.326 χ^2/NDF:76.1/10

+ sign -268.646+/-0.960 χ^2/NDF: 2098.3/28

All: -259.338+/-0.676 χ^2/NDF: 7730.0/58

- sign -250.180+/-0.952 χ^2/NDF: 5445.2/29

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -63.842+/-1.032 χ^2/NDF:282.0/12

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

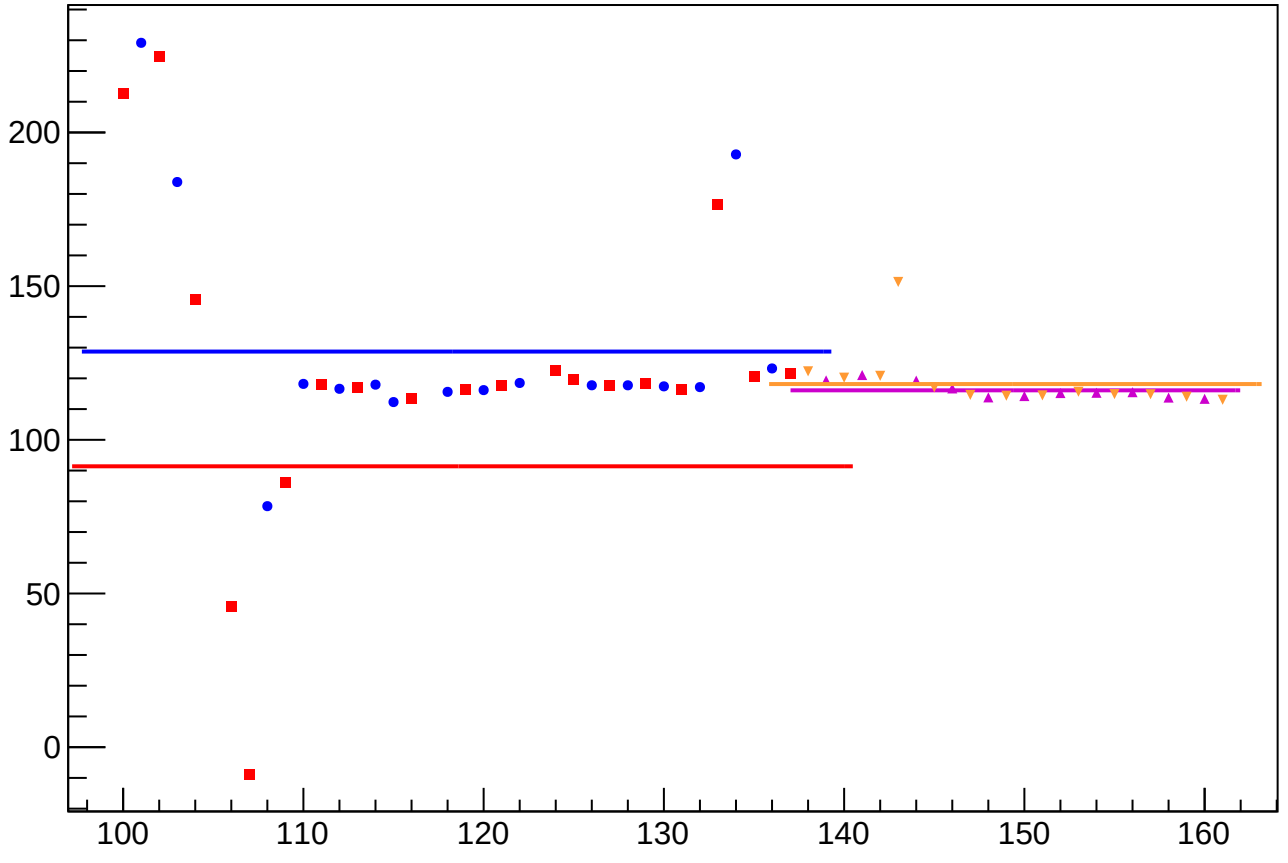
Left In: -63.116+/-1.086 χ^2/NDF:142.6/10

+ sign -73.034+/-0.856 χ^2/NDF: 892.1/28

All: -71.303+/-0.608 χ^2/NDF: 1853.5/58

- sign -69.543+/-0.864 χ^2/NDF: 953.2/29

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 118.145+/-0.050 χ^2/NDF:29311.4/12

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

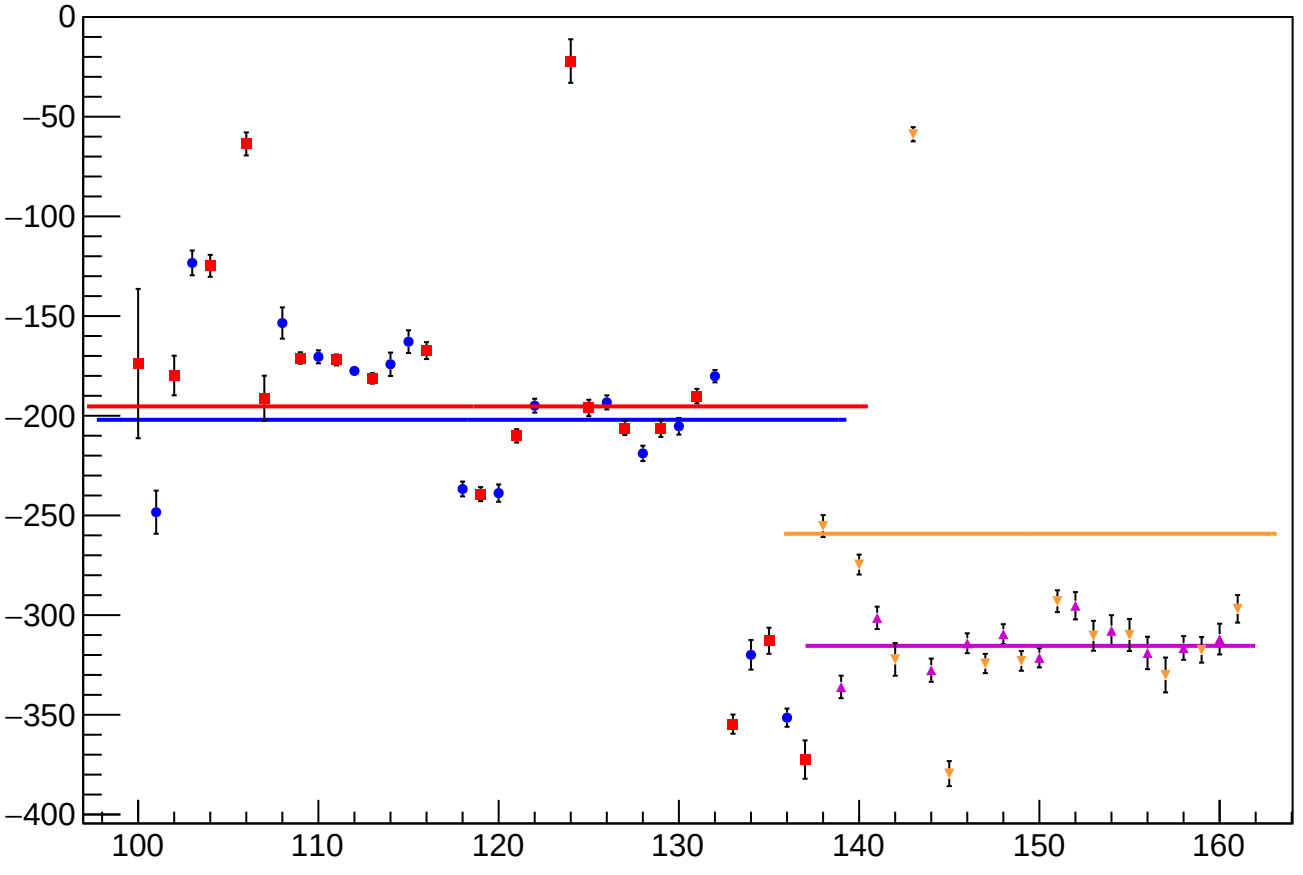
Left In: 116.103+/-0.051 χ^2/NDF:2476.4/10

+ sign 120.655+/-0.043 χ^2/NDF: 223557.5/28

All: 114.670+/-0.030 χ^2/NDF: 937467.9/58

- sign 108.854+/-0.043 χ^2/NDF: 676472.4/29

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -259.190+/-1.580 χ^2/NDF:4257.8/12

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

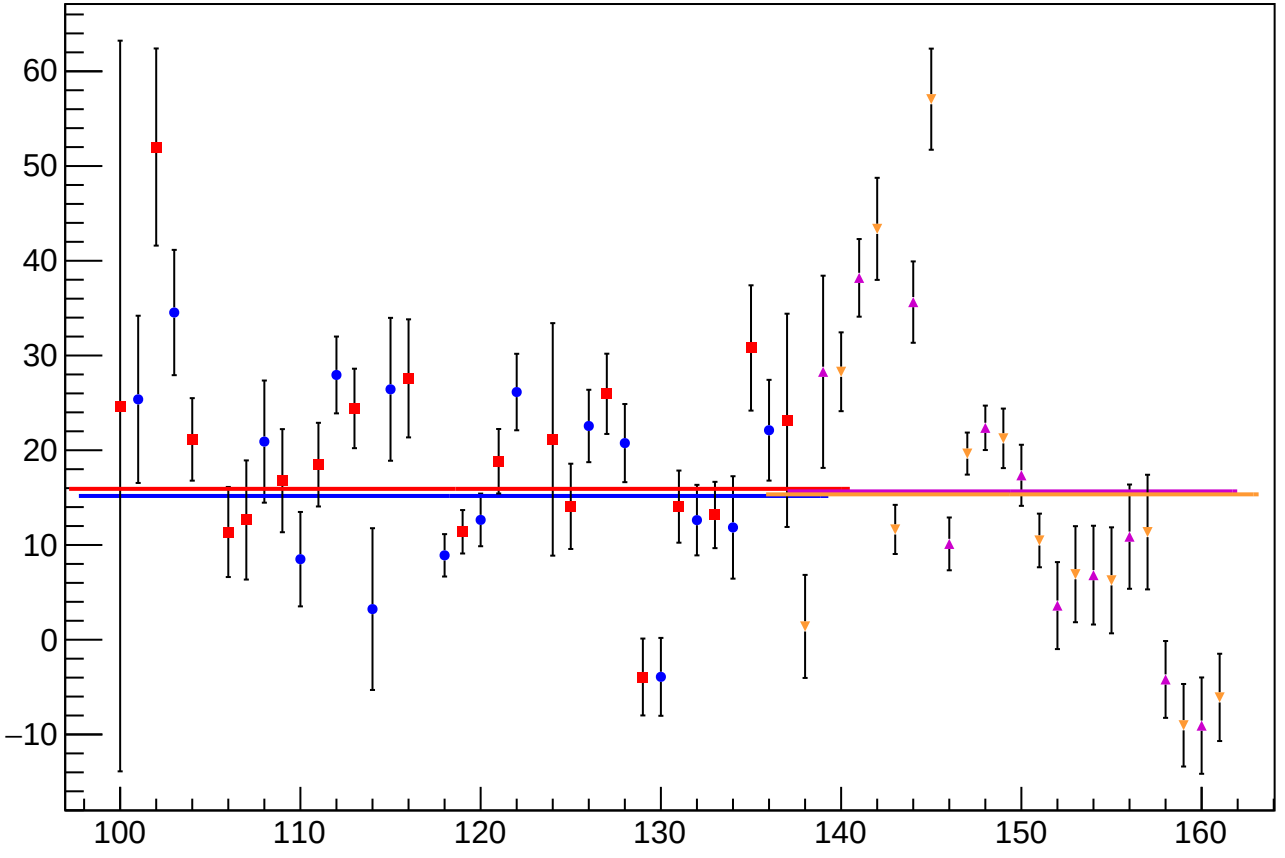
Left In: -315.412+/-1.784 χ^2/NDF:37.0/10

+ sign -218.932+/-0.859 χ^2/NDF: 7220.1/28

All: -220.922+/-0.606 χ^2/NDF: 13859.6/58

- sign -222.892+/-0.855 χ^2/NDF: 6628.8/29

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 15.344+/-1.033 χ^2/NDF:175.4/12

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

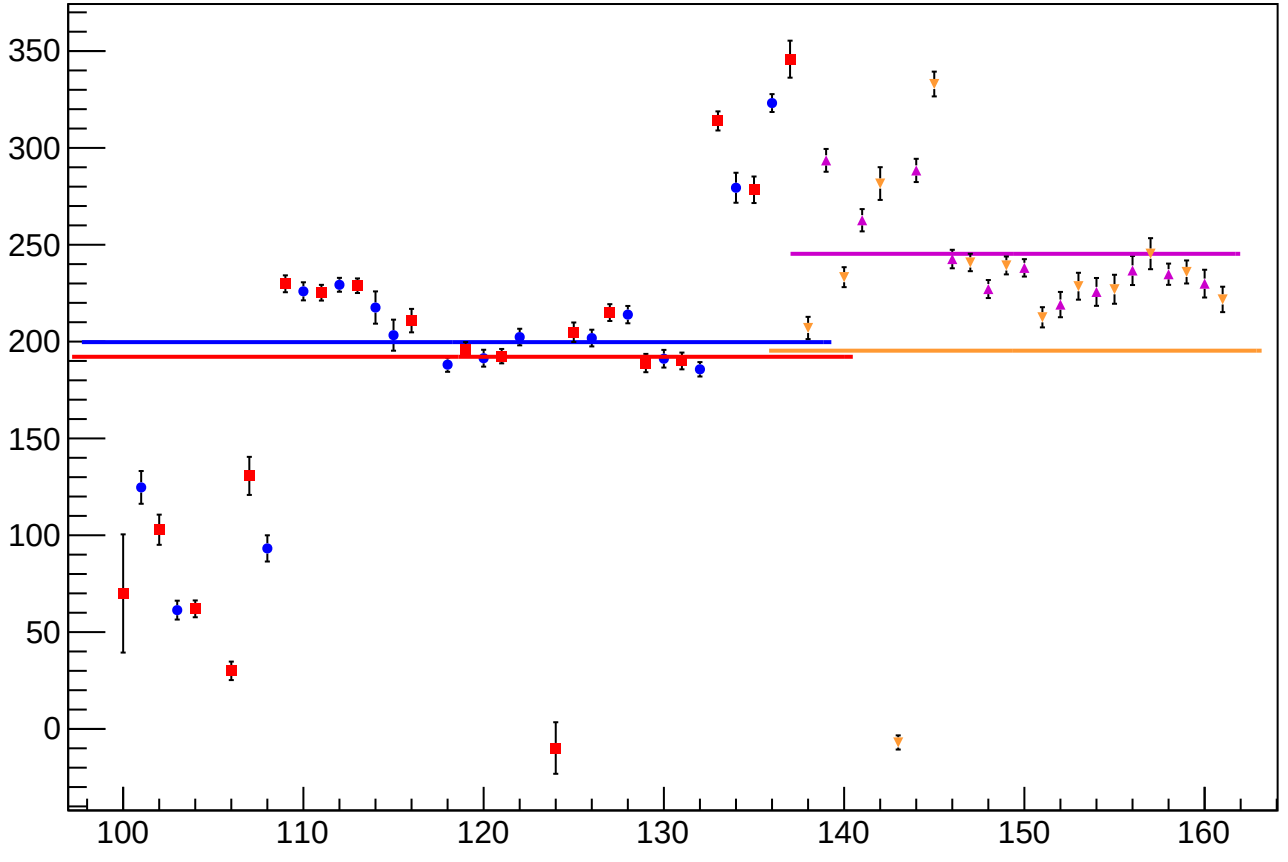
Left In: 15.657+/-1.157 χ^2/NDF:124.0/10

+ sign 15.261+/-0.736 χ^2/NDF: 247.8/28

All: 15.520+/-0.533 χ^2/NDF: 435.6/58

- sign 15.806+/-0.772 χ^2/NDF: 187.6/29

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 195.309+/-1.544 χ^2/NDF:4027.5/12

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

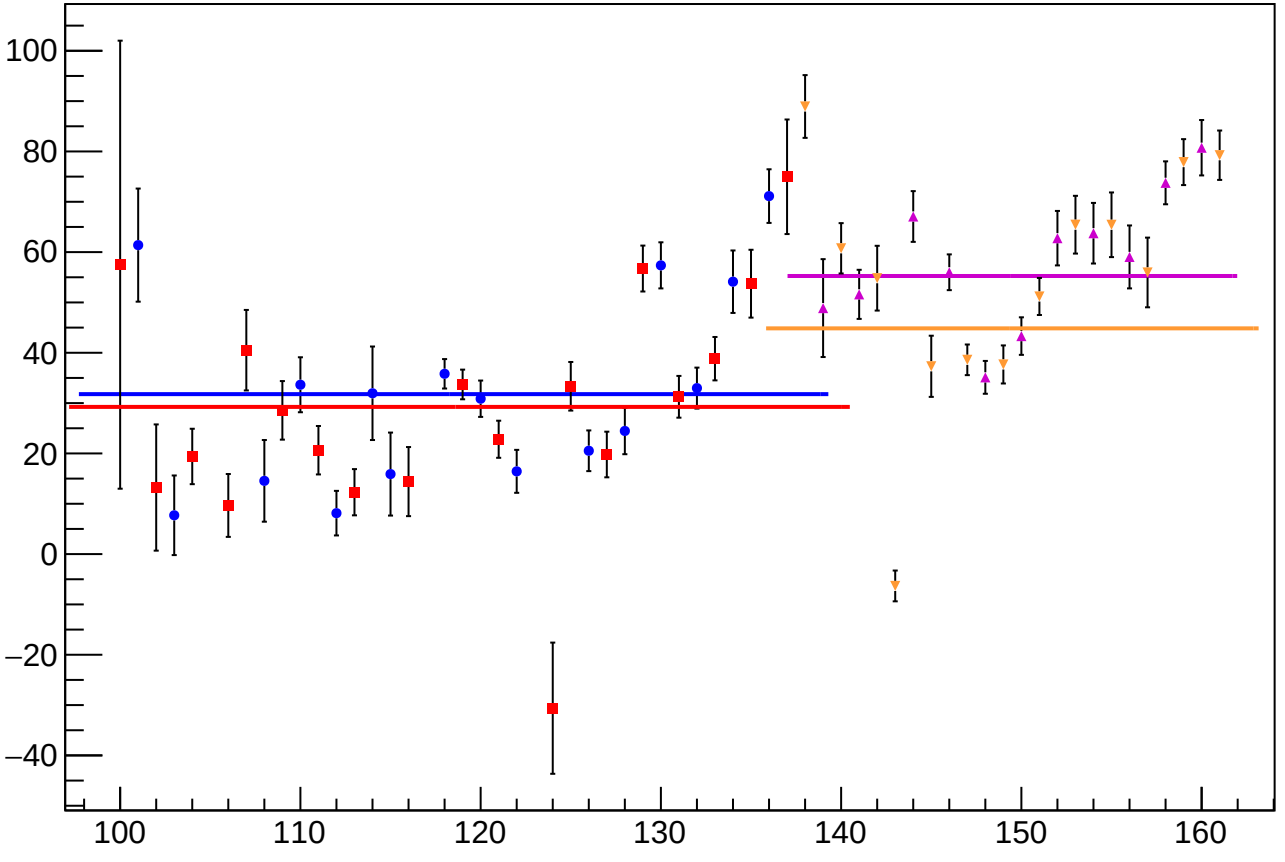
Left In: 245.320+/-1.717 χ^2/NDF:179.0/10

+ sign 198.067+/-0.945 χ^2/NDF: 6134.3/28

All: 203.291+/-0.672 χ^2/NDF: 10813.9/58

- sign 208.631+/-0.956 χ^2/NDF: 4617.8/29

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 44.849+/-1.249 χ^2/NDF:482.1/12

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

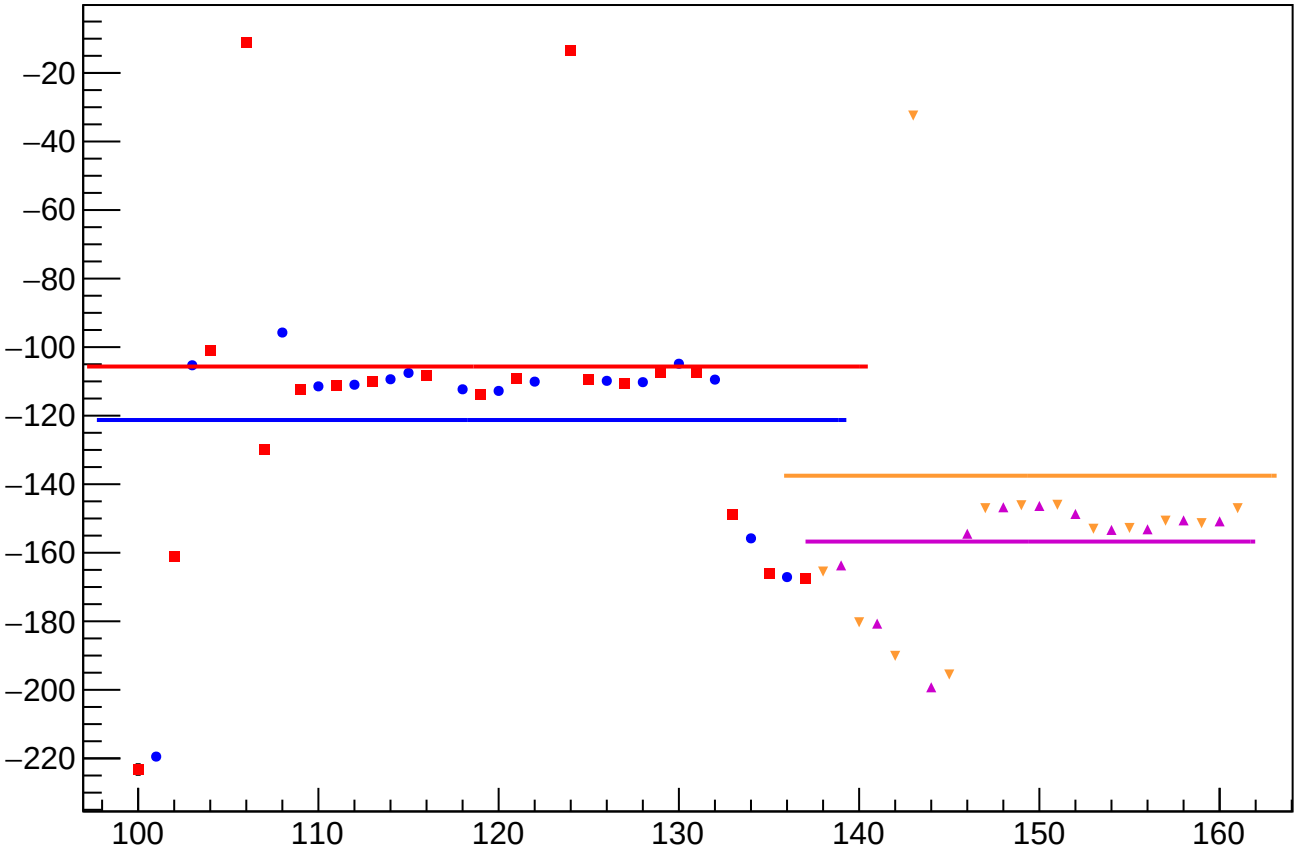
Left In: 55.255+/-1.397 χ^2/NDF:99.5/10

+ sign 38.141+/-0.872 χ^2/NDF: 715.2/28

All: 39.152+/-0.629 χ^2/NDF: 1158.3/58

- sign 40.251+/-0.909 χ^2/NDF: 440.3/29

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -137.520+/-0.061 χ^2/NDF:625499.3/12

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

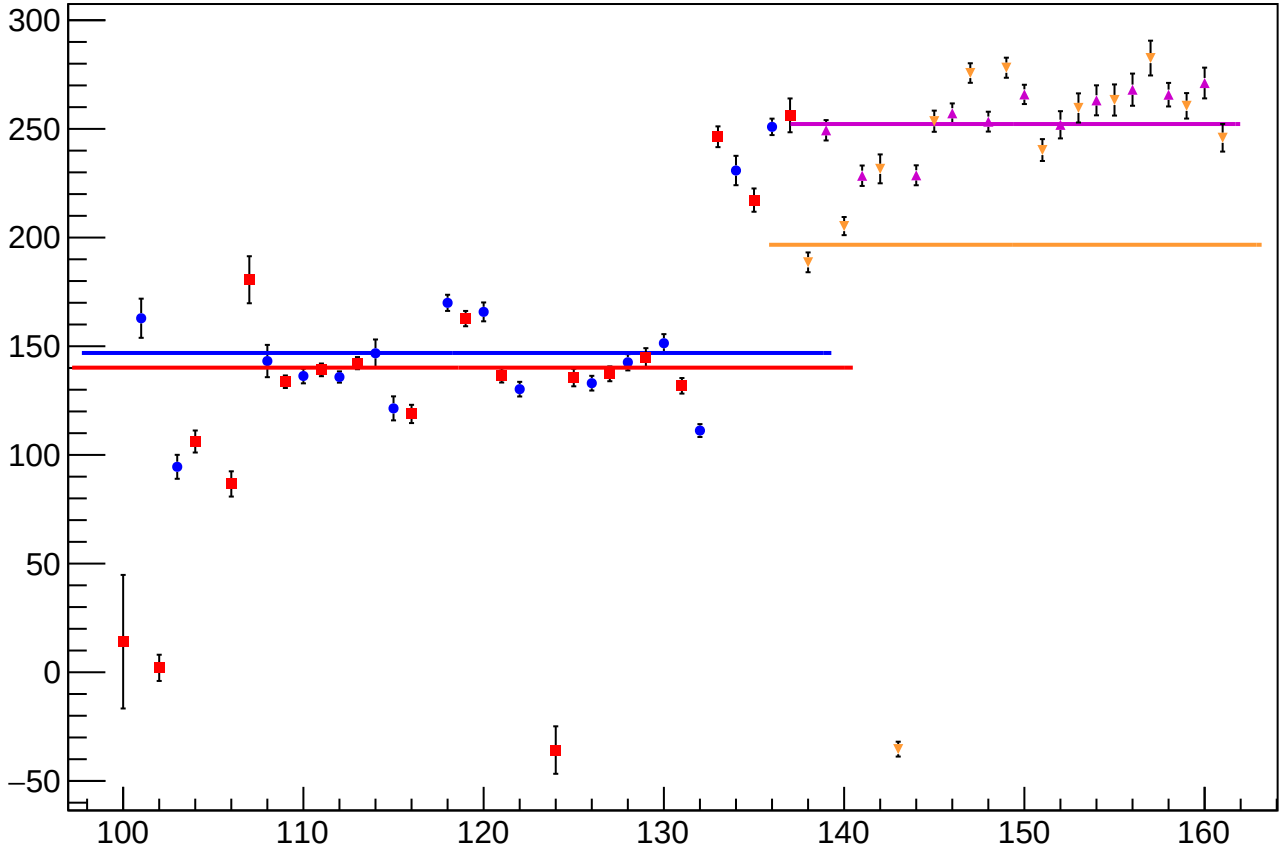
Left In: -156.738+/-0.066 χ^2/NDF:45713.9/10

+ sign -131.494+/-0.048 χ^2/NDF: 771377.8/28

All: -132.939+/-0.034 χ^2/NDF: 1437541.9/58

- sign -134.452+/-0.049 χ^2/NDF: 664327.1/29

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 196.686+/-1.410 χ^2/NDF:5941.5/12

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

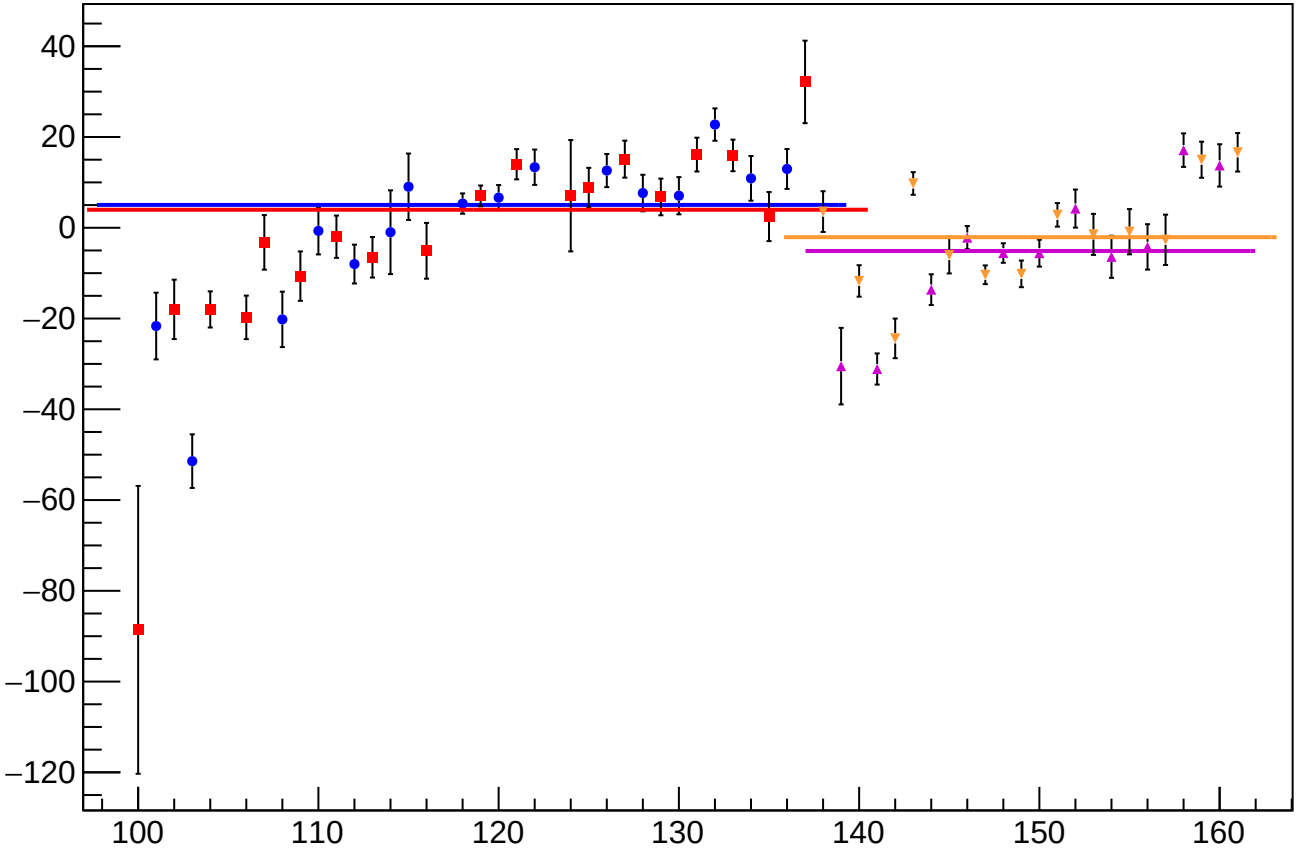
Left In: 252.240+/-1.573 χ^2/NDF:83.5/10

+ sign 163.639+/-0.817 χ^2/NDF: 8071.0/28

All: 167.102+/-0.579 χ^2/NDF: 13841.7/58

- sign 170.583+/-0.819 χ^2/NDF: 5734.7/29

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -2.074+/-0.934 χ^2/NDF:124.0/12

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

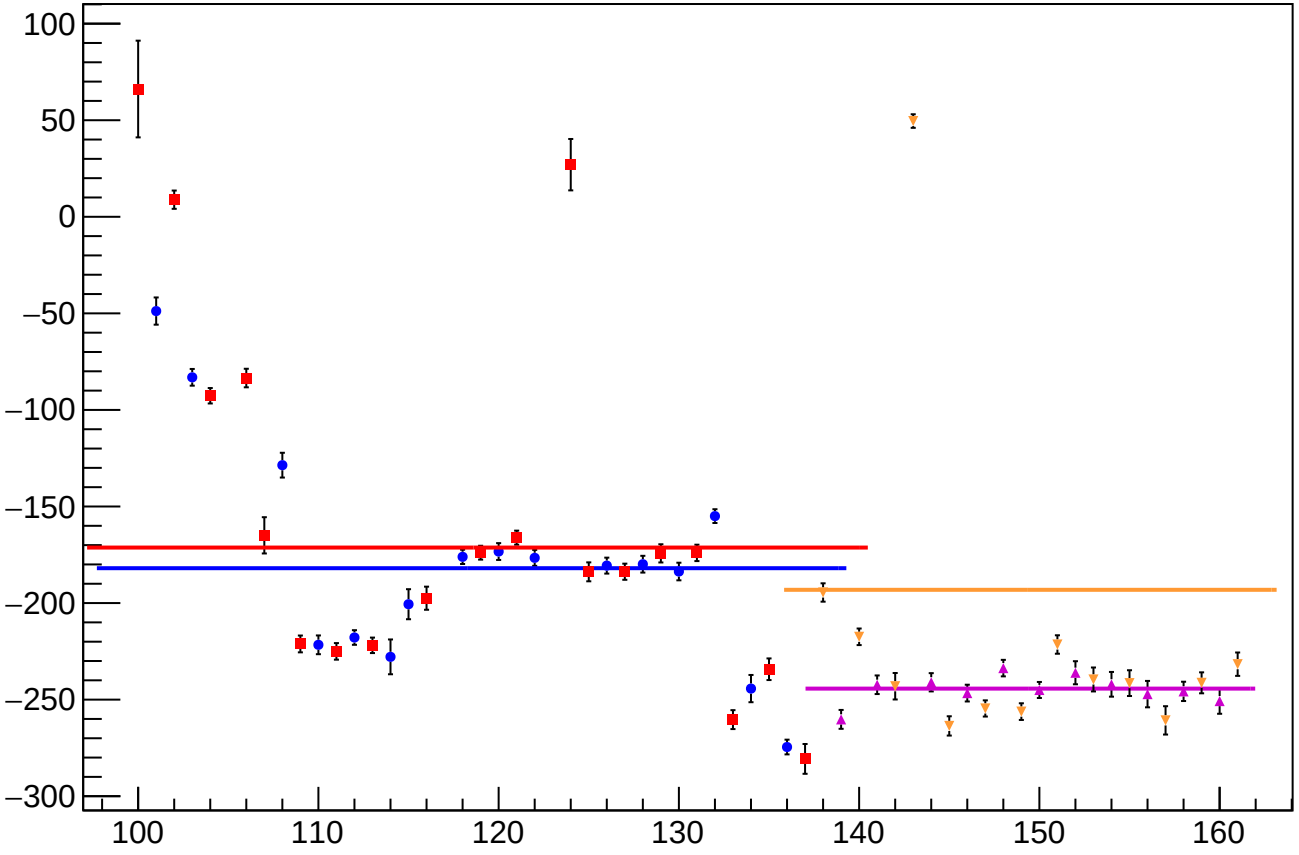
Left In: -5.116+/-1.036 χ^2/NDF:131.7/10

+ sign 1.168+/-0.689 χ^2/NDF: 322.3/28

All: 0.392+/-0.499 χ^2/NDF: 640.9/58

- sign -0.464+/-0.724 χ^2/NDF: 316.0/29

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -193.138+/-1.382 χ^2/NDF:5823.9/12

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

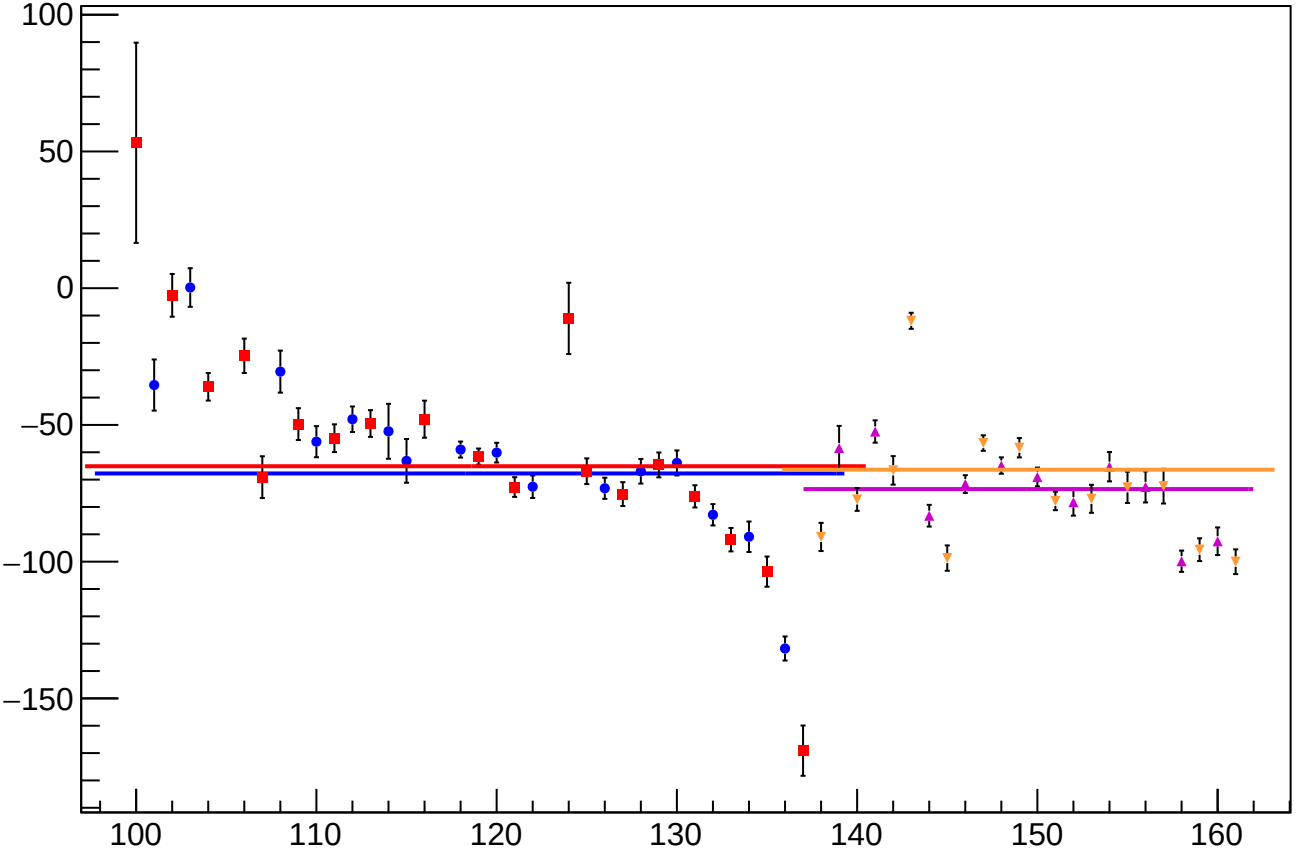
Left In: -244.295+/-1.520 χ^2/NDF:21.0/10

+ sign -186.544+/-0.886 χ^2/NDF: 7733.0/28

All: -191.553+/-0.630 χ^2/NDF: 12951.2/58

- sign -196.689+/-0.897 χ^2/NDF: 5153.4/29

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -66.377+/-1.127 χ^2/NDF:561.0/12

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

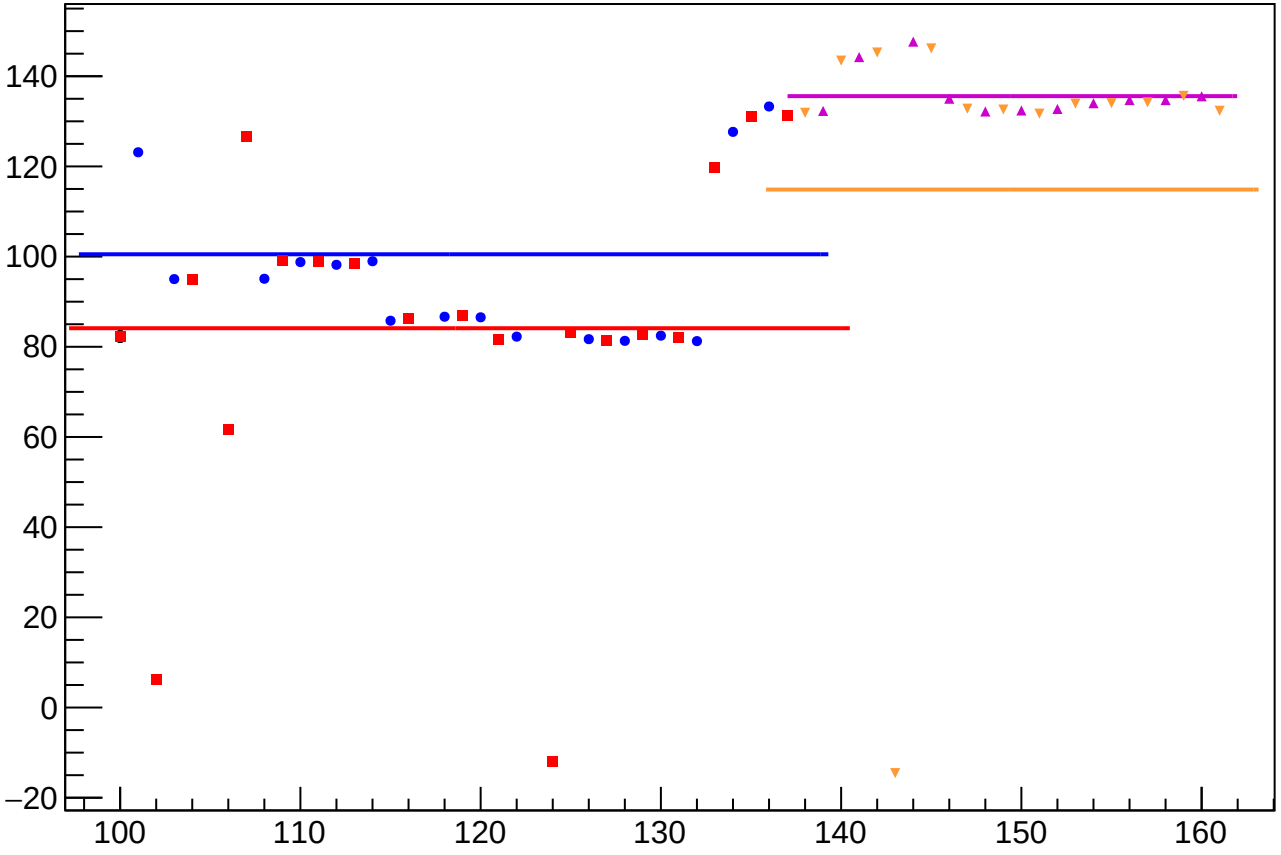
Left In: -73.459+/-1.248 χ^2/NDF:110.0/10

\+ sign -67.029+/-0.815 χ^2/NDF: 975.8/28

All: -67.971+/-0.589 χ^2/NDF: 1541.5/58

\- sign -69.000+/-0.852 χ^2/NDF: 562.9/29

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 114.868+/-0.054 χ^2/NDF:920600.2/12

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

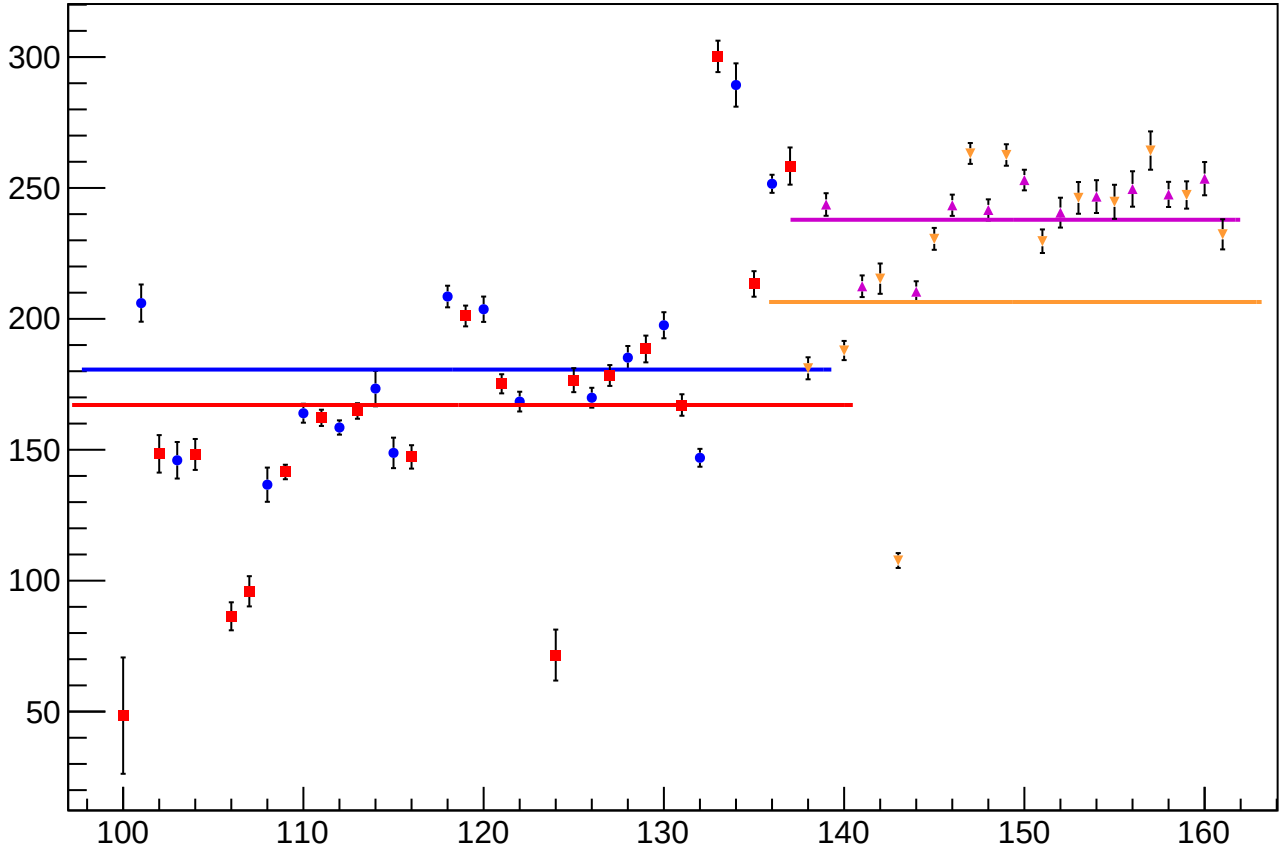
Left In: 135.583+/-0.058 χ^2/NDF:6571.0/10

+ sign 109.821+/-0.044 χ^2/NDF: 1012472.6/28

All: 111.973+/-0.031 χ^2/NDF: 1610998.1/58

- sign 114.200+/-0.045 χ^2/NDF: 593627.3/29

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: 206.444+/-1.240 χ^2/NDF:1942.6/12

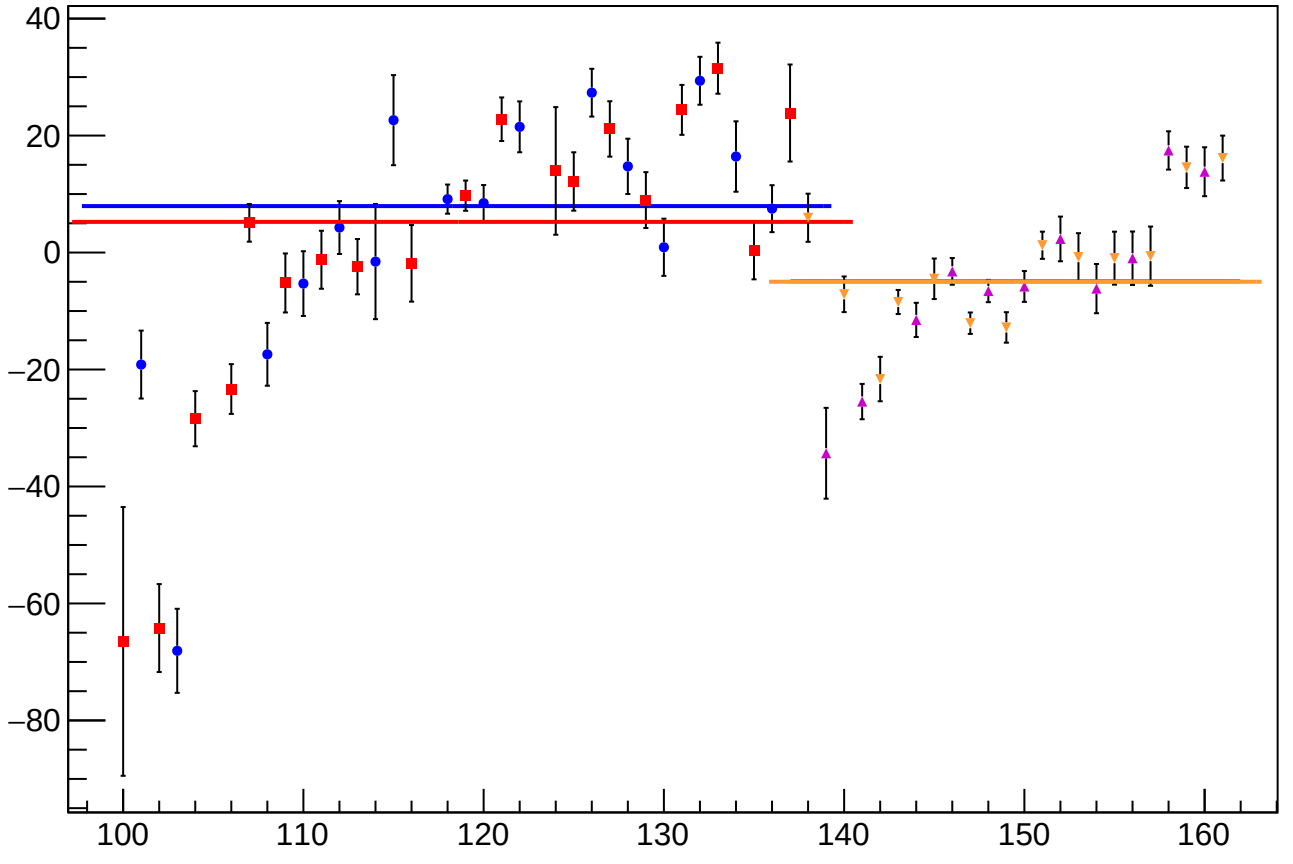
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.849+/-1.402 χ^2/NDF:120.6/10

+ sign 191.875+/-0.819 χ^2/NDF: 3180.3/28

All: 191.743+/-0.581 χ^2/NDF: 6449.4/58

- sign 191.609+/-0.825 χ^2/NDF: 3269.0/29



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -4.991+/-0.822 χ^2/NDF:124.2/12

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

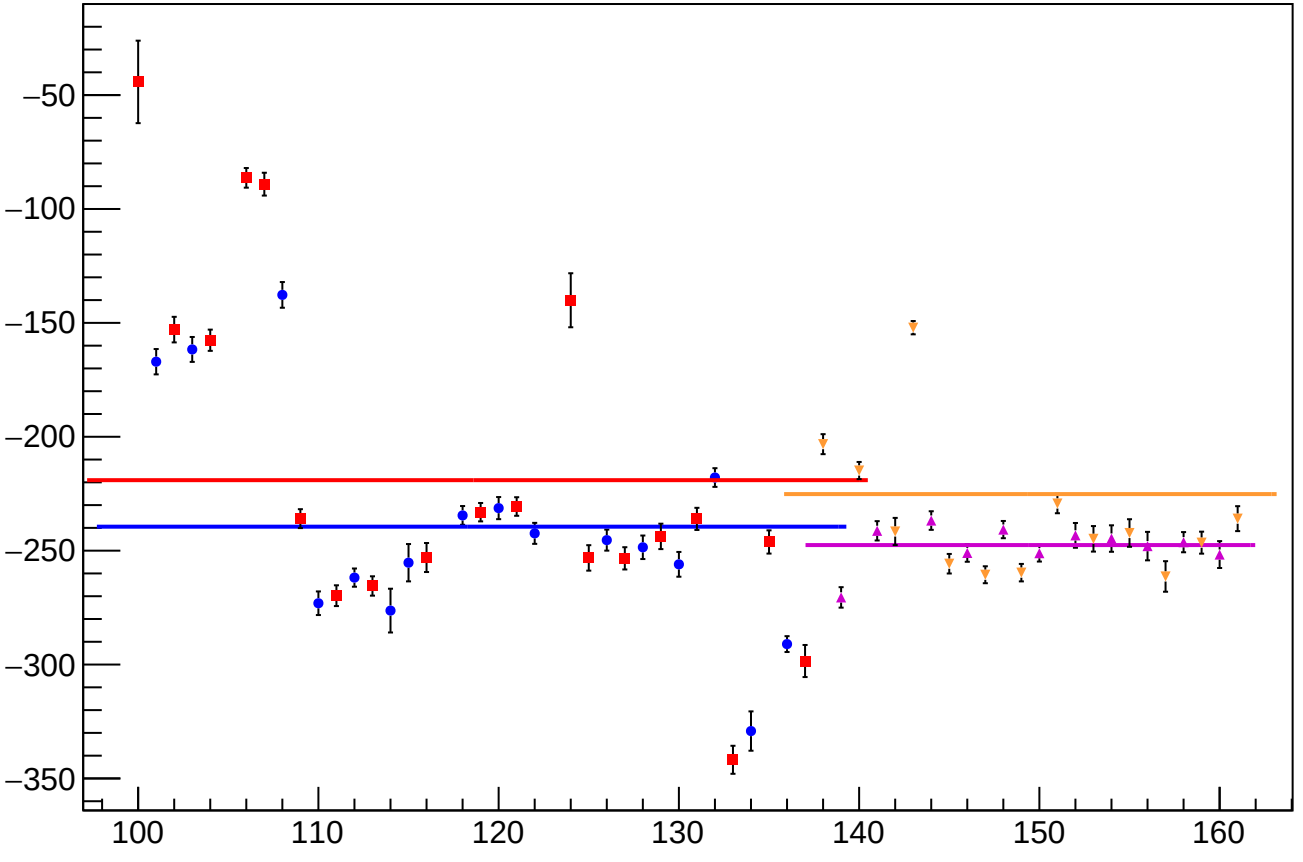
Left In: -4.918+/-0.921 χ^2/NDF:138.4/10

+ sign -0.428+/-0.661 χ^2/NDF: 444.5/28

All: -0.488+/-0.479 χ^2/NDF: 938.0/58

- sign -0.555+/-0.696 χ^2/NDF: 493.5/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.163+/-1.218 χ^2/NDF:960.8/12

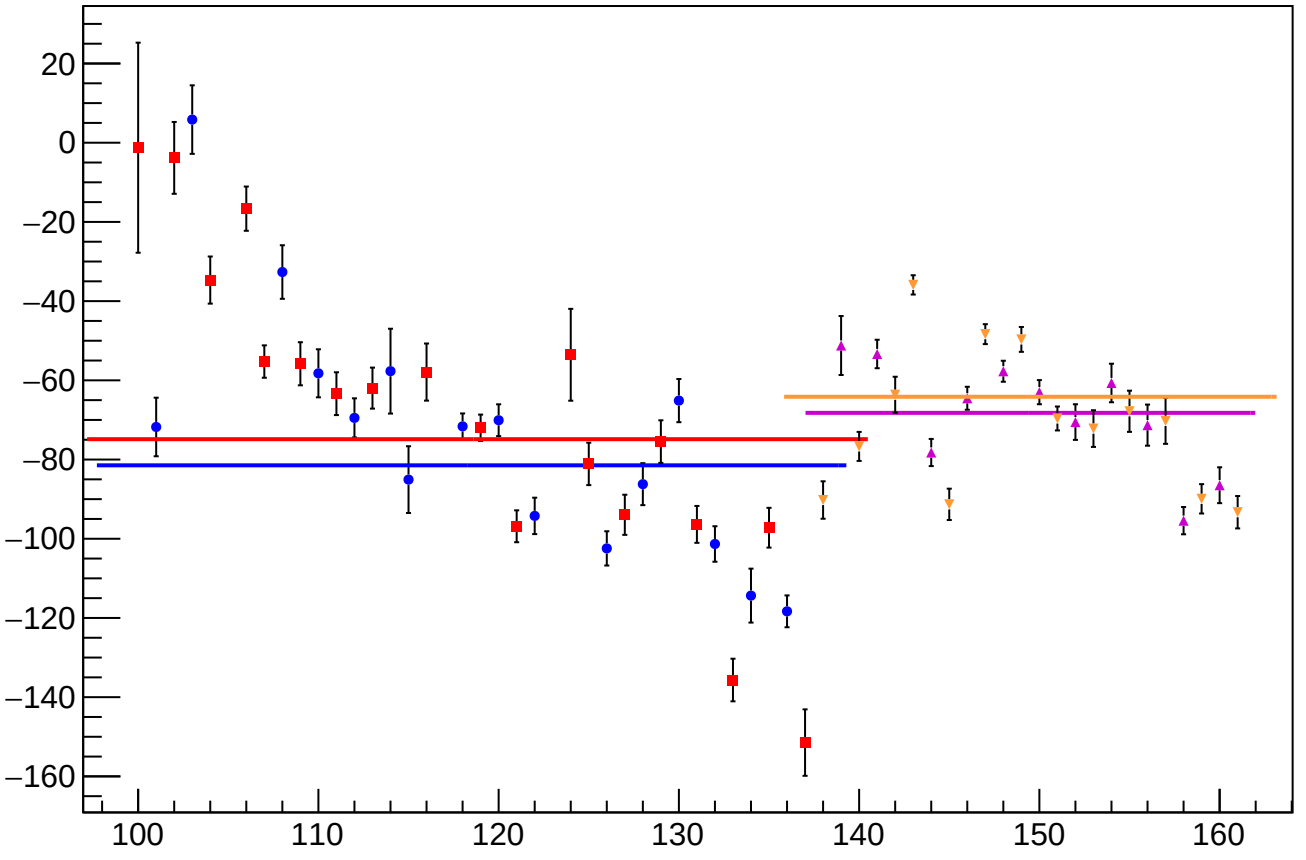
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.544+/-1.356 χ^2/NDF:41.7/10

+ sign -232.155+/-0.871 χ^2/NDF: 2190.5/28

All: -231.731+/-0.622 χ^2/NDF: 5533.9/58

- sign -231.288+/-0.889 χ^2/NDF: 3342.9/29



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -64.146+/-0.992 χ^2/NDF:391.8/12

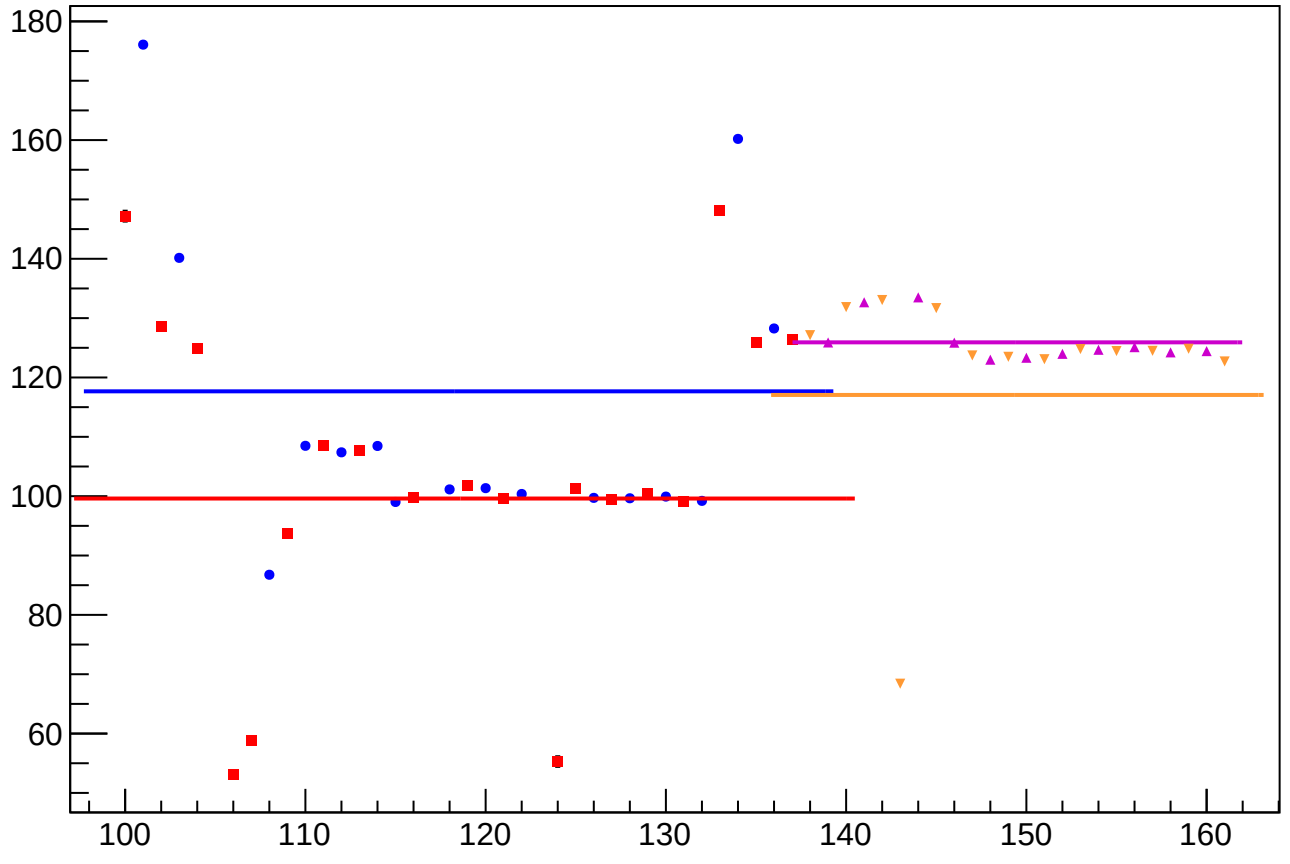
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -68.211+/-1.110 χ^2/NDF:132.9/10

+ sign -70.602+/-0.786 χ^2/NDF: 871.8/28

All: -70.885+/-0.569 χ^2/NDF: 1597.7/58

- sign -71.197+/-0.824 χ^2/NDF: 725.6/29



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.057+/-0.048 χ^2/NDF:194274.0/12

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

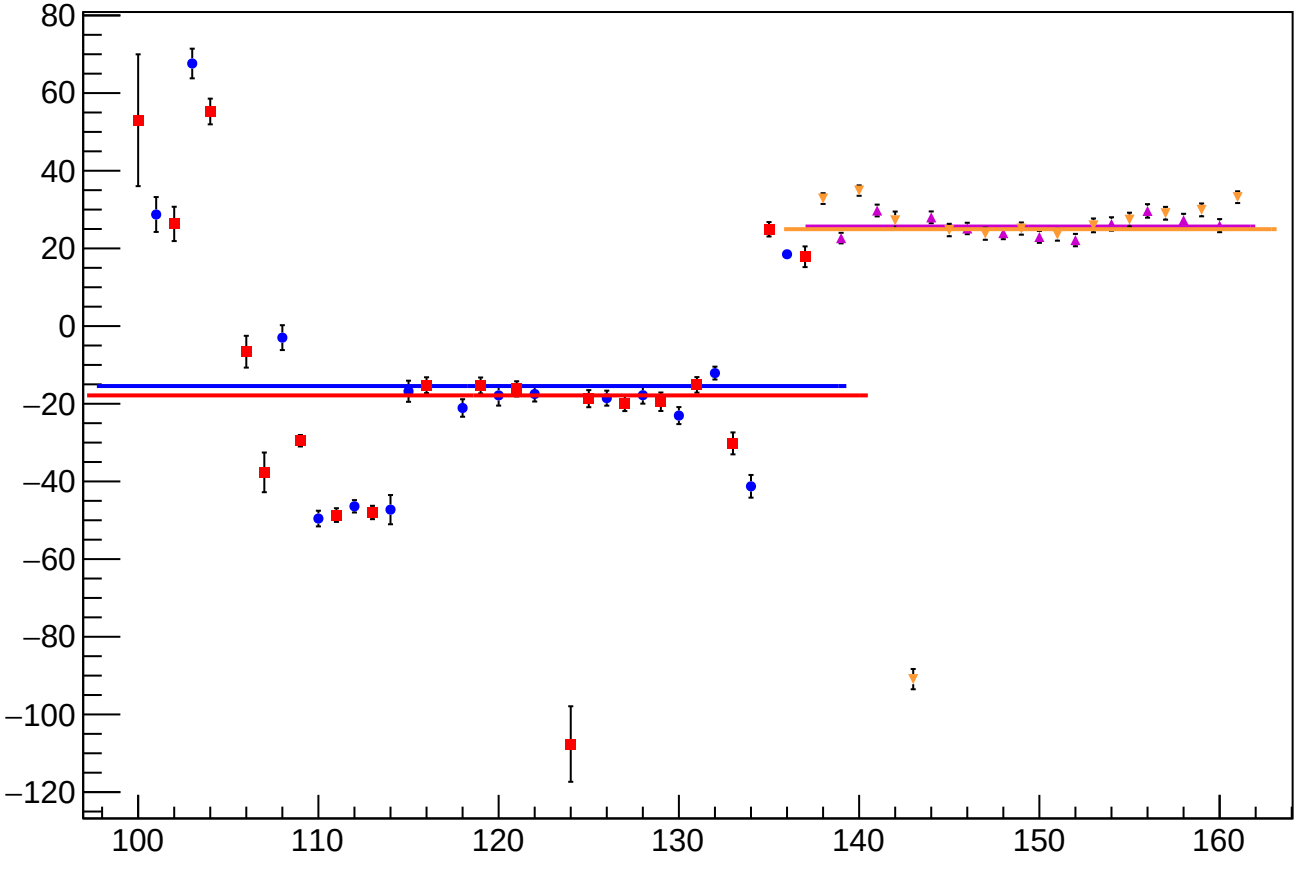
Left In: 125.920+/-0.052 χ^2/NDF:4224.4/10

\+ sign 117.224+/-0.041 χ^2/NDF: 289715.1/28

All: 116.905+/-0.029 χ^2/NDF: 550639.8/58

\- sign 116.572+/-0.042 χ^2/NDF: 260801.0/29

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: 24.954+/-0.456 χ^2/NDF:2103.5/12

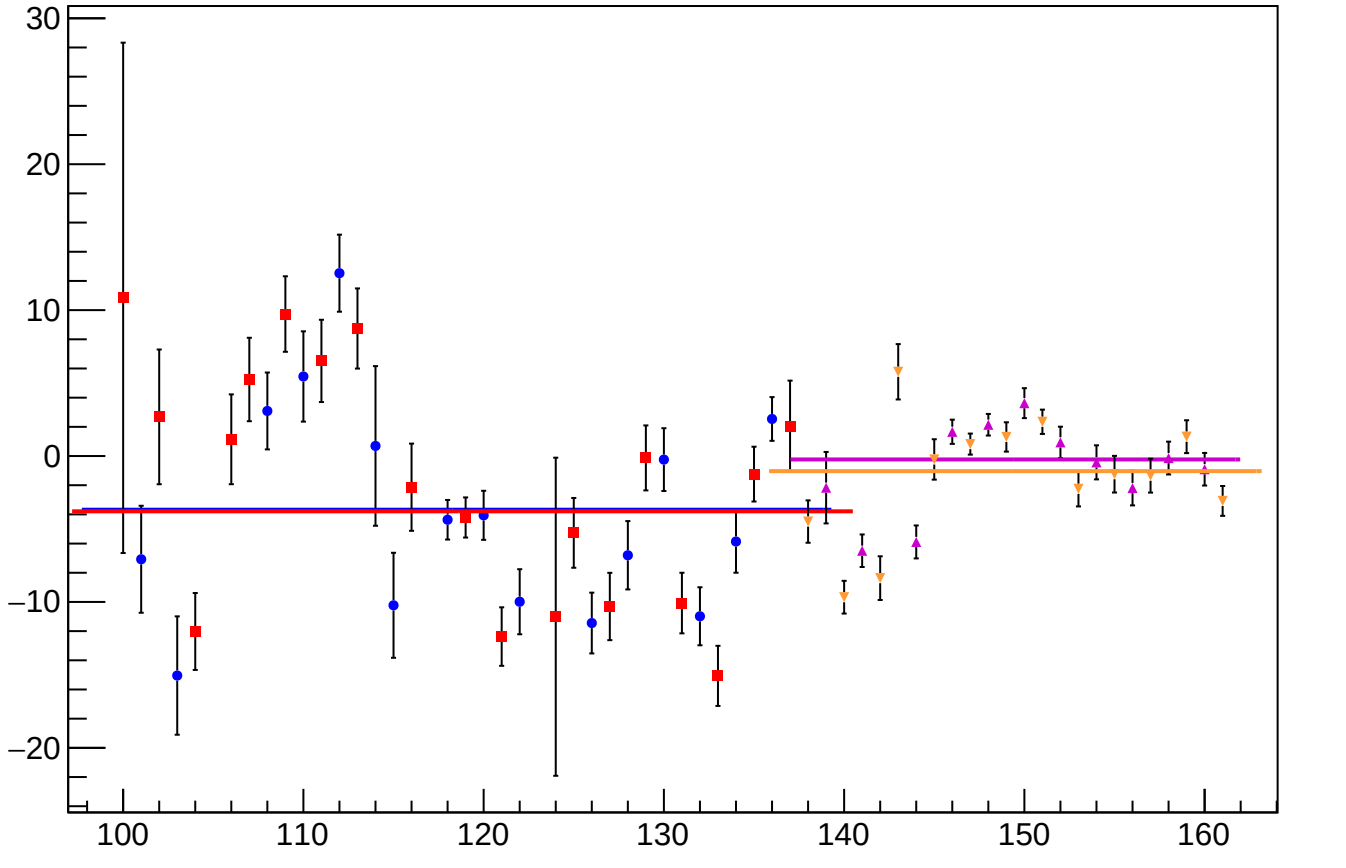
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.631+/-0.472 χ^2/NDF:30.2/10

+ sign 8.105+/-0.348 χ^2/NDF: 7500.4/28

All: 7.246+/-0.248 χ^2/NDF: 13421.2/58

- sign 6.365+/-0.353 χ^2/NDF: 5908.4/29



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.035+/-0.306 χ^2/NDF:140.3/12

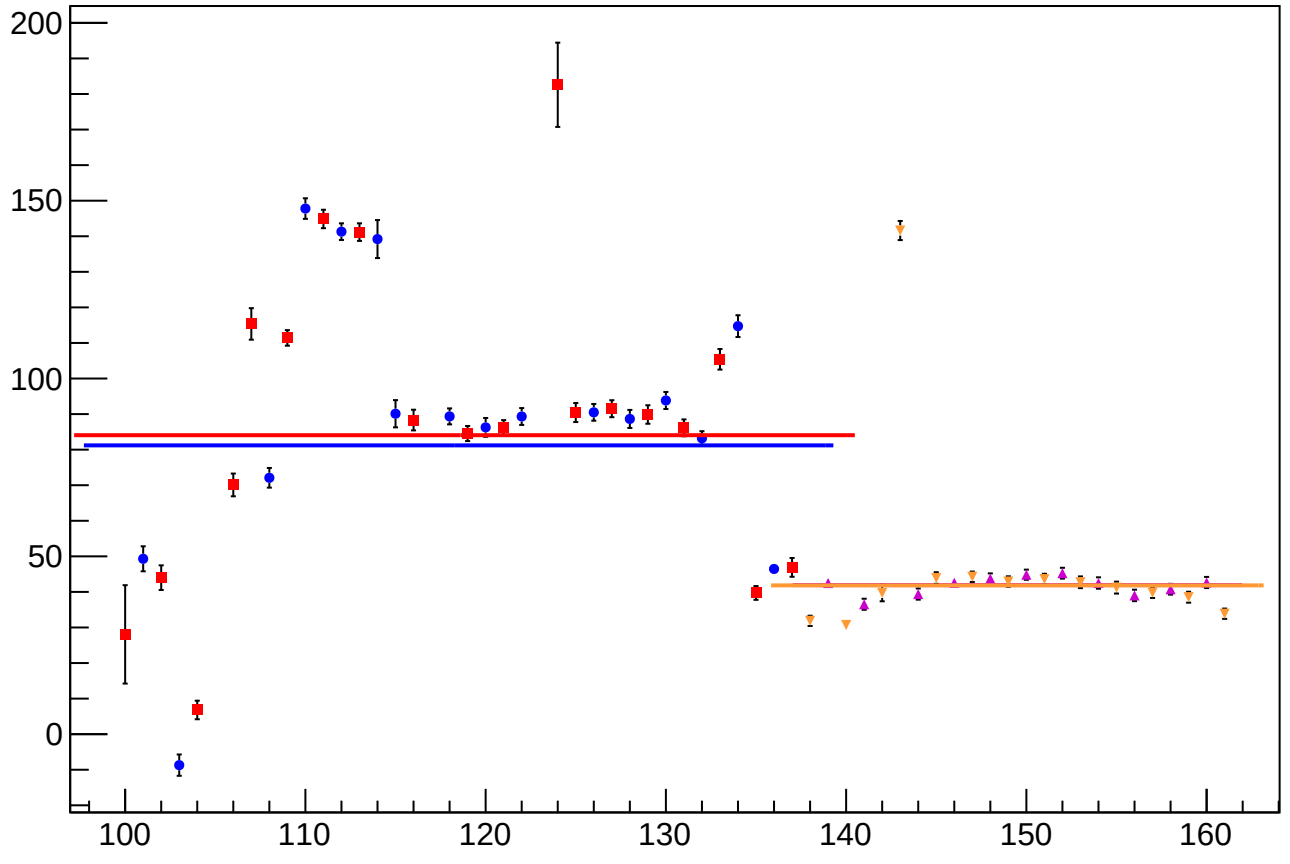
Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -0.234+/-0.318 χ^2/NDF:91.1/10

\+ sign -1.657+/-0.268 χ^2/NDF: 281.8/28

All: -1.385+/-0.192 χ^2/NDF: 566.5/58

\- sign -1.093+/-0.277 χ^2/NDF: 282.5/29



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.838+/-0.441 χ^2/NDF:1536.2/12

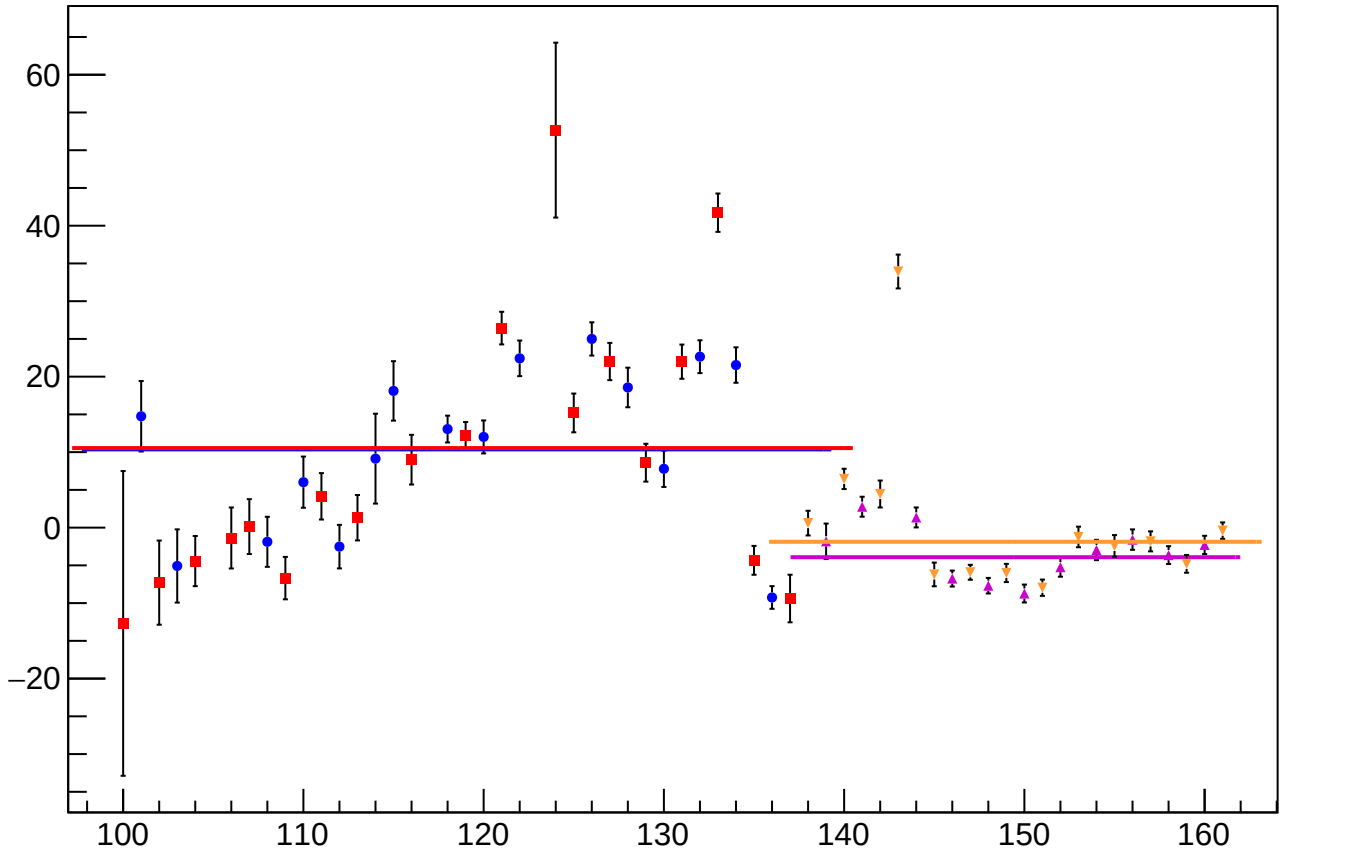
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

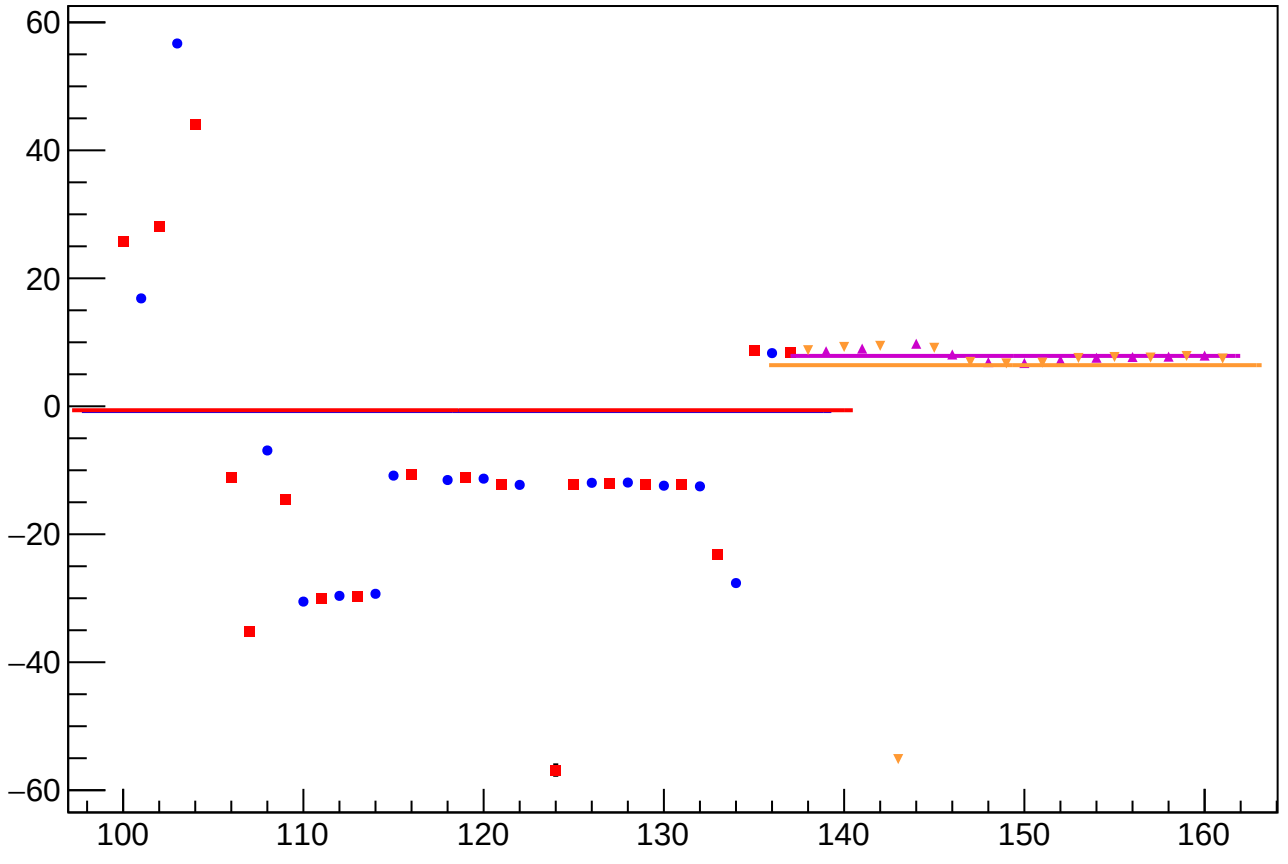
Left In: 41.920+/-0.455 χ^2/NDF:29.7/10

+ sign 55.452+/-0.357 χ^2/NDF: 7517.5/28

All: 56.110+/-0.256 χ^2/NDF: 13785.9/58

- sign 56.803+/-0.366 χ^2/NDF: 6261.4/29


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.878+/-0.364 χ²/NDF:384.8/12
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -3.918+/-0.378 χ²/NDF:85.8/10
+ sign 1.207+/-0.314 χ²/NDF: 1030.3/28
All: 0.537+/-0.226 χ²/NDF: 1974.3/58
- sign -0.181+/-0.325 χ²/NDF: 934.6/29



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.426+/-0.017 χ^2/NDF:312841.8/12

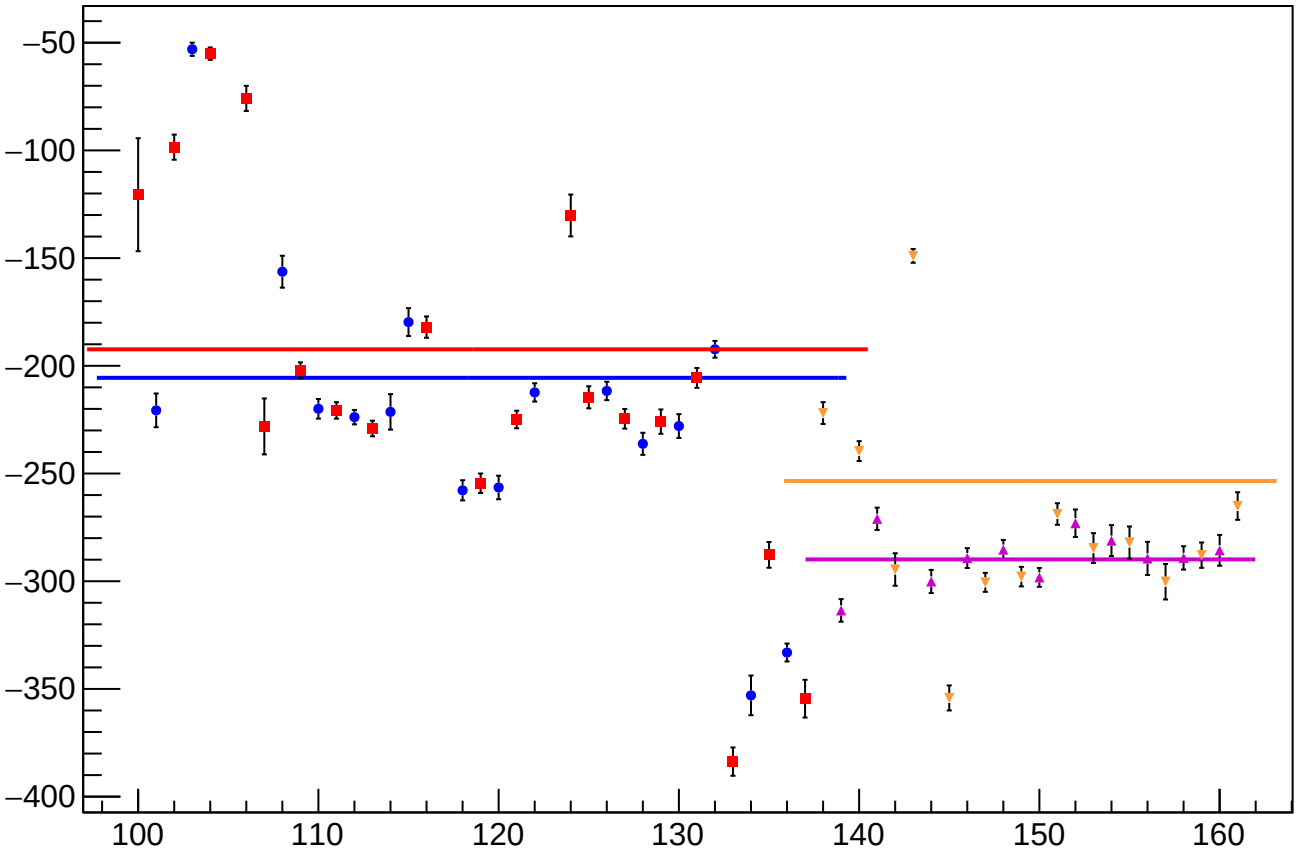
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.874+/-0.017 χ^2/NDF:2110.4/10

+ sign 5.148+/-0.015 χ^2/NDF: 713662.4/28

All: 5.762+/-0.011 χ^2/NDF: 1078447.6/58

- sign 6.407+/-0.016 χ^2/NDF: 361414.1/29



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -253.482+/-1.447 χ^2/NDF:1763.7/12

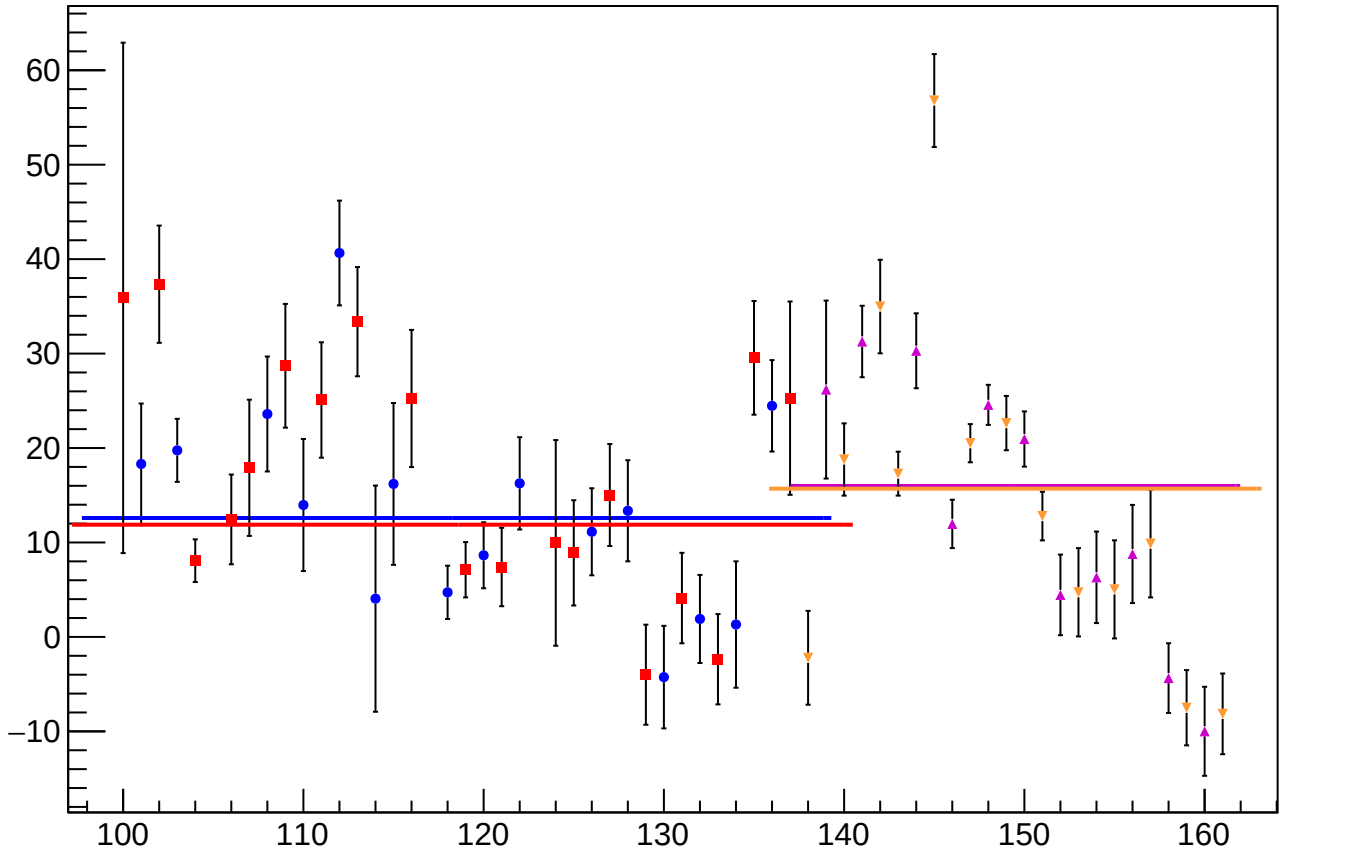
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -289.868+/-1.641 χ^2/NDF:50.7/10

+ sign -224.804+/-0.917 χ^2/NDF: 6476.0/28

All: -224.123+/-0.652 χ^2/NDF: 13903.3/58

- sign -223.427+/-0.927 χ^2/NDF: 7426.2/29



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 15.697+/-0.943 χ^2/NDF:187.6/12

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

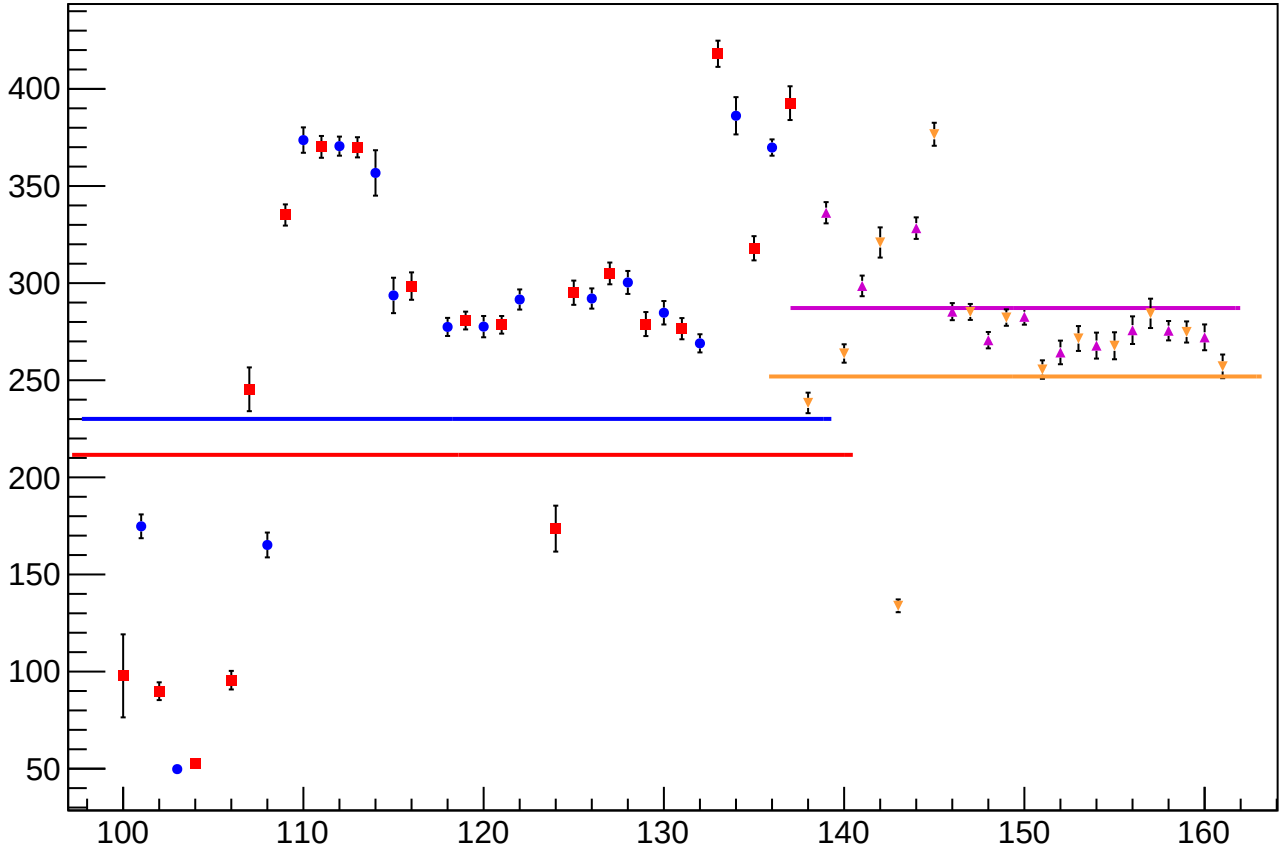
Left In: 15.979+/-1.060 χ^2/NDF:126.3/10

+ sign 14.515+/-0.742 χ^2/NDF: 260.3/28

All: 14.288+/-0.535 χ^2/NDF: 478.7/58

- sign 14.045+/-0.770 χ^2/NDF: 218.3/29

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 251.933+/-1.414 χ^2/NDF:1985.0/12

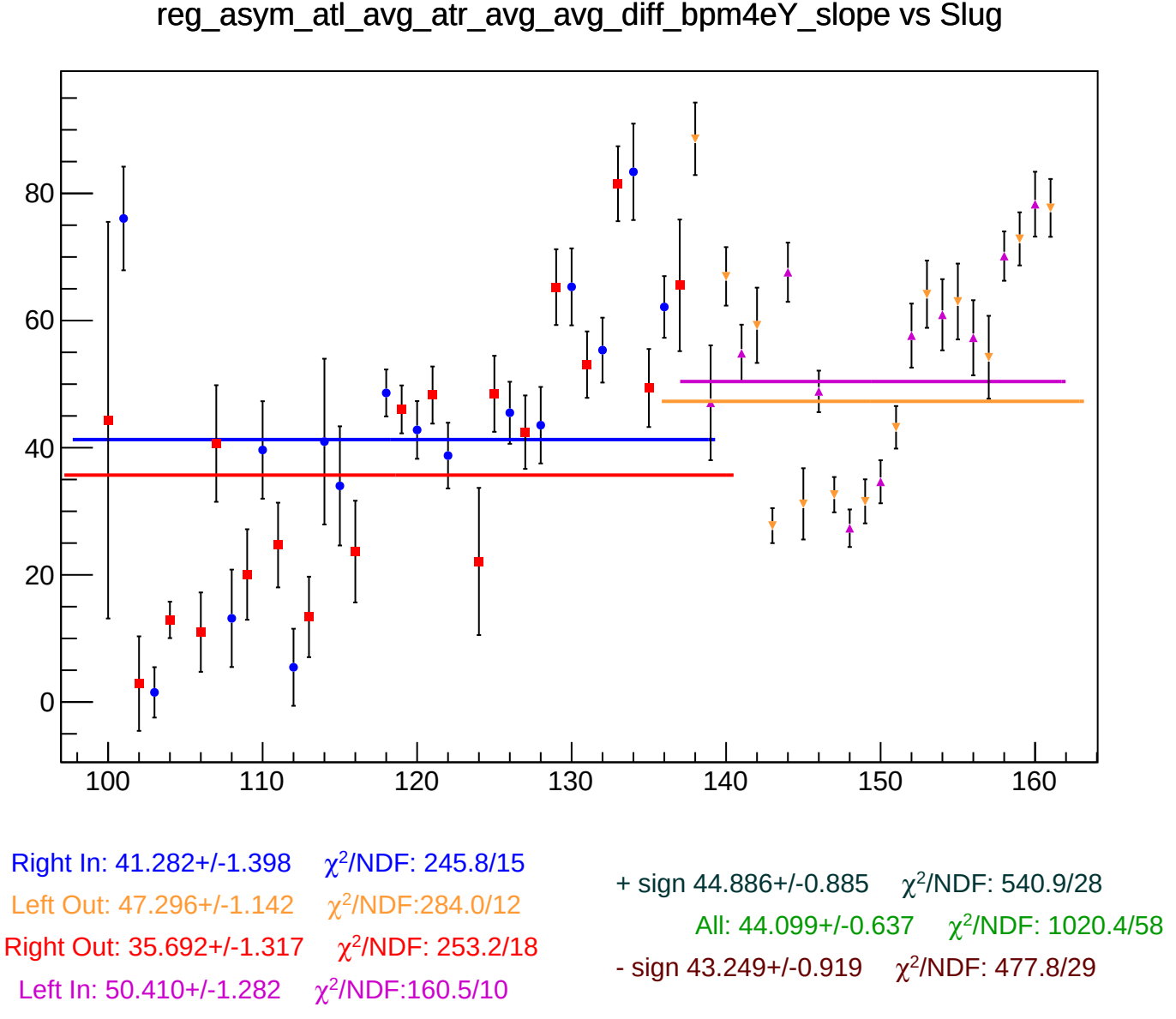
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 287.180+/-1.579 χ^2/NDF:192.6/10

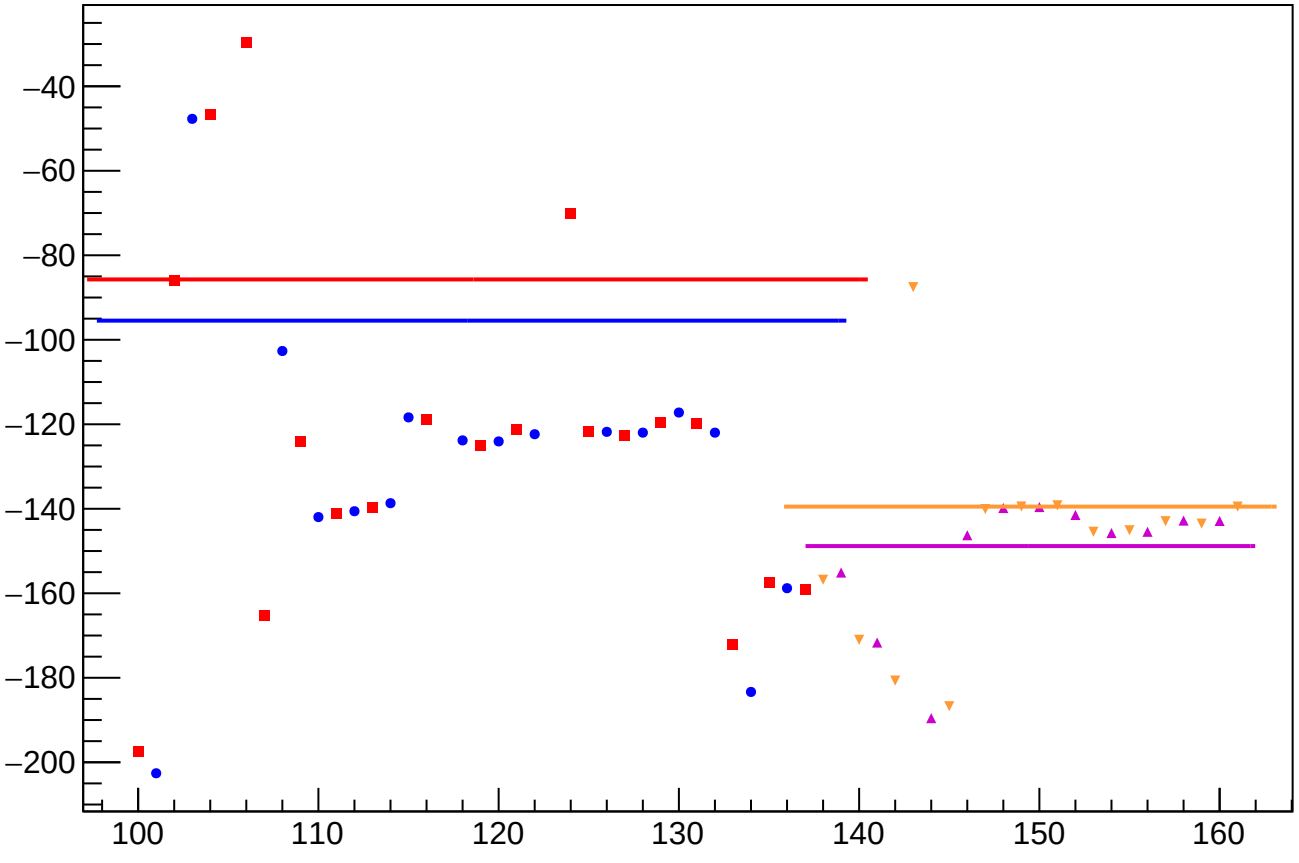
+ sign 239.757+/-0.941 χ^2/NDF: 11493.7/28

All: 239.448+/-0.669 χ^2/NDF: 24616.0/58

- sign 239.131+/-0.953 χ^2/NDF: 13122.1/29


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug
80
60
40
20
0
100
110
120
130
140
150
160
Right In: 41.282+/-1.398 χ2/NDF: 245.8/15
Left Out: 47.296+/-1.142 χ2/NDF:284.0/12
Right Out: 35.692+/-1.317 χ2/NDF: 253.2/18
Left In: 50.410+/-1.282 χ2/NDF:160.5/10
+ sign 44.886+/-0.885 χ2/NDF: 540.9/28
All: 44.099+/-0.637 χ2/NDF: 1020.4/58
- sign 43.249+/-0.919 χ2/NDF: 477.8/29

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: -139.484+/-0.056 χ^2/NDF:230956.4/12

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

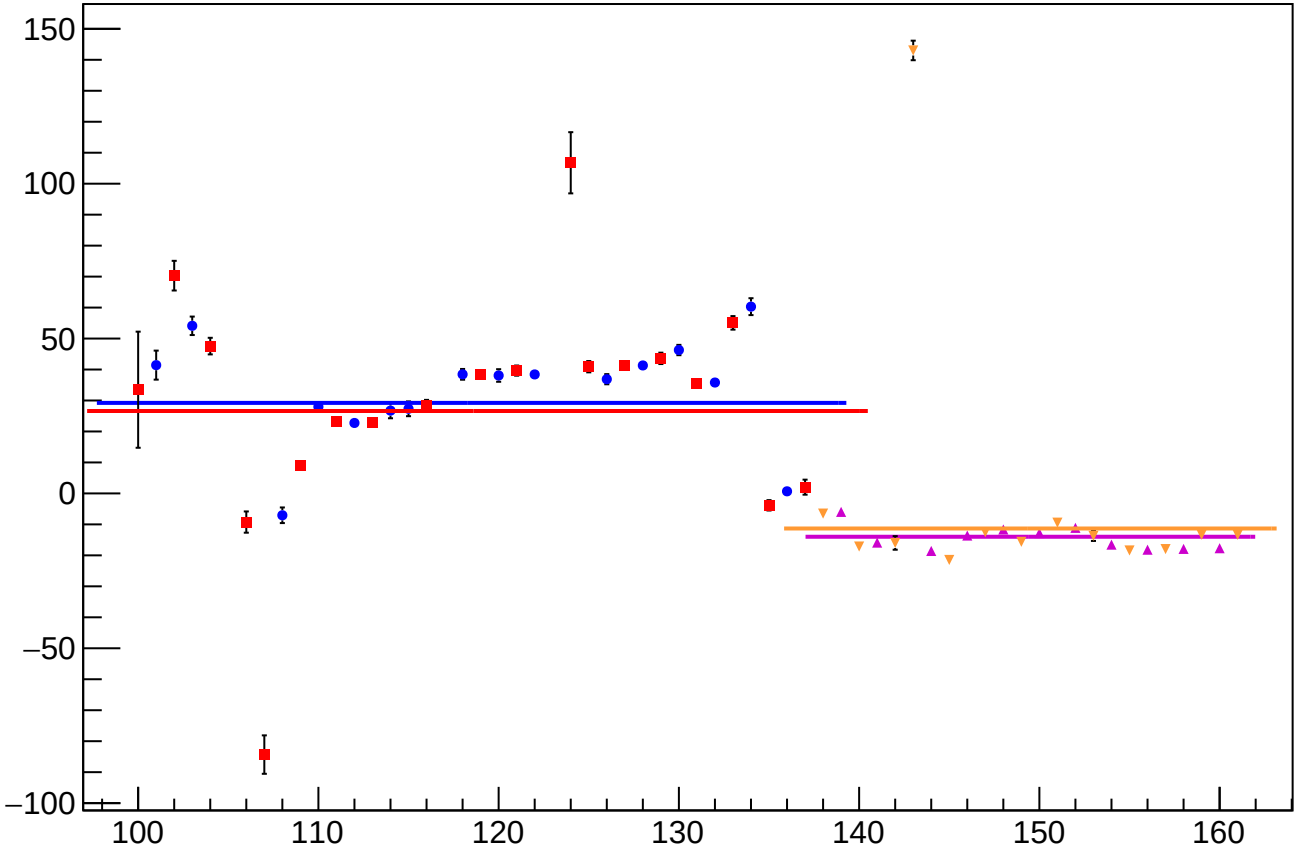
Left In: -148.826+/-0.061 χ^2/NDF:48292.0/10

+ sign -122.203+/-0.044 χ^2/NDF: 994872.4/28

All: -121.355+/-0.031 χ^2/NDF: 2015634.5/58

- sign -120.452+/-0.045 χ^2/NDF: 1019978.0/29

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: -11.326+/-0.428 χ^2/NDF:2529.7/12

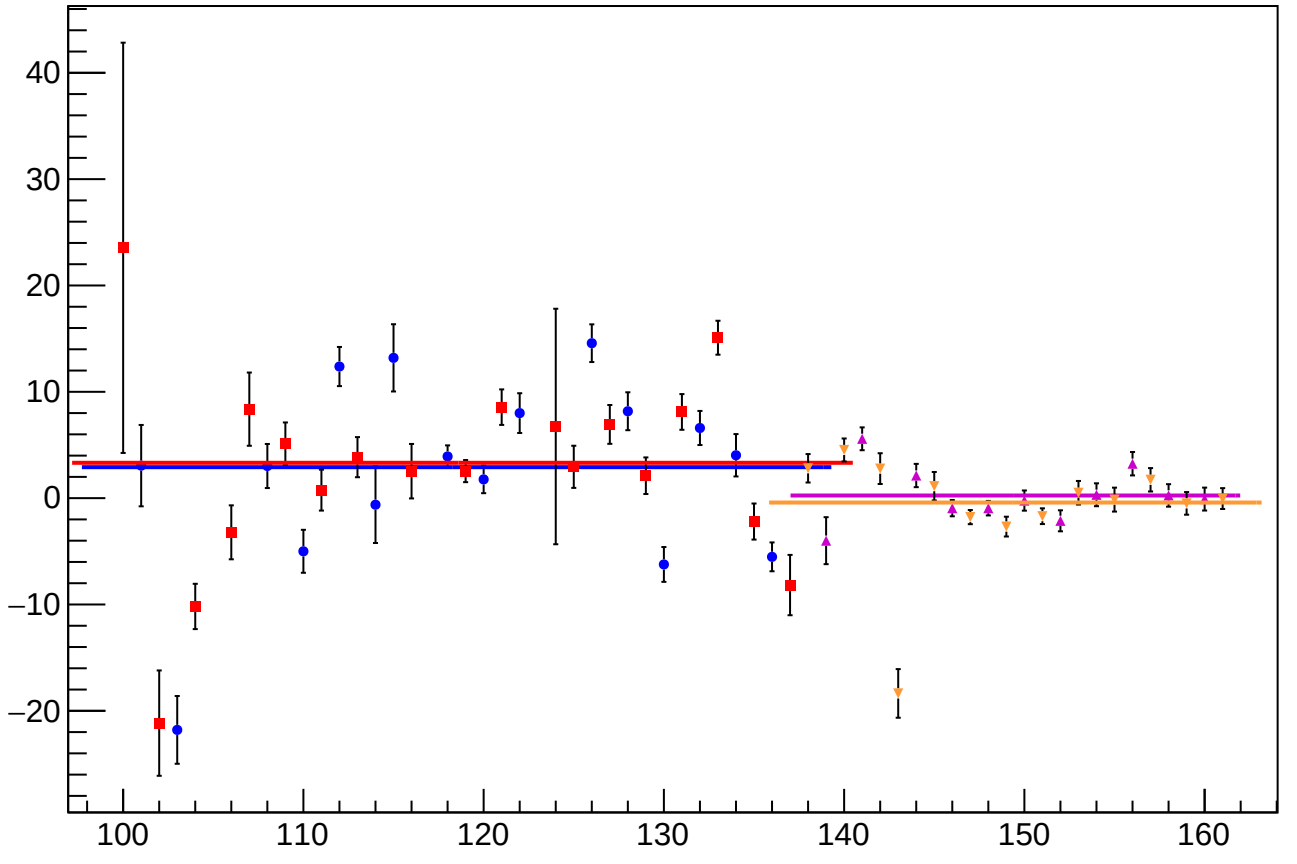
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.993+/-0.440 χ^2/NDF:82.4/10

+ sign 9.125+/-0.301 χ^2/NDF: 8402.1/28

All: 8.341+/-0.213 χ^2/NDF: 14930.3/58

- sign 7.555+/-0.302 χ^2/NDF: 6514.7/29



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.412+/-0.286 χ^2/NDF:112.4/12

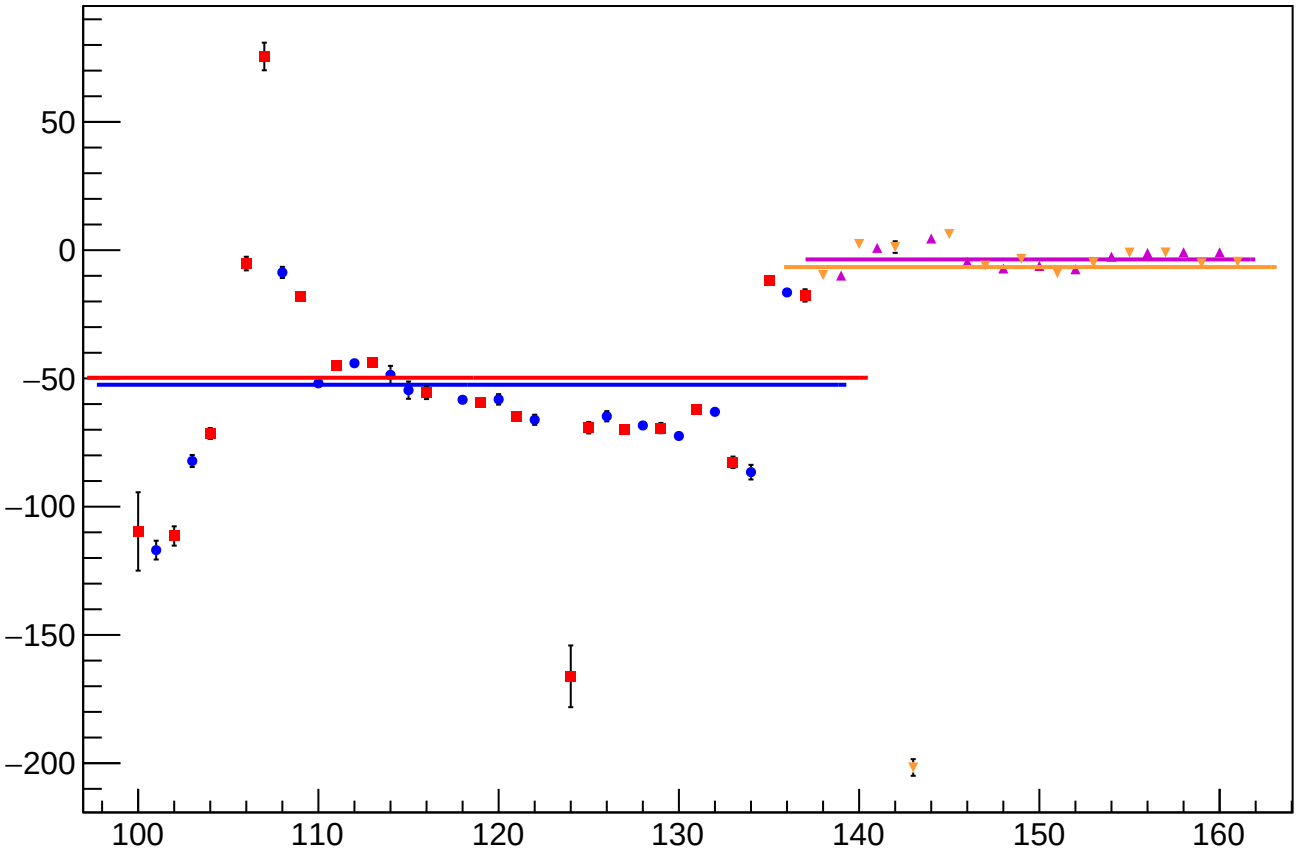
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.249+/-0.297 χ^2/NDF:50.3/10

+ sign 0.568+/-0.240 χ^2/NDF: 402.1/28

All: 0.860+/-0.173 χ^2/NDF: 669.5/58

- sign 1.172+/-0.248 χ^2/NDF: 264.3/29



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.589+/-0.414 χ^2/NDF:3787.7/12

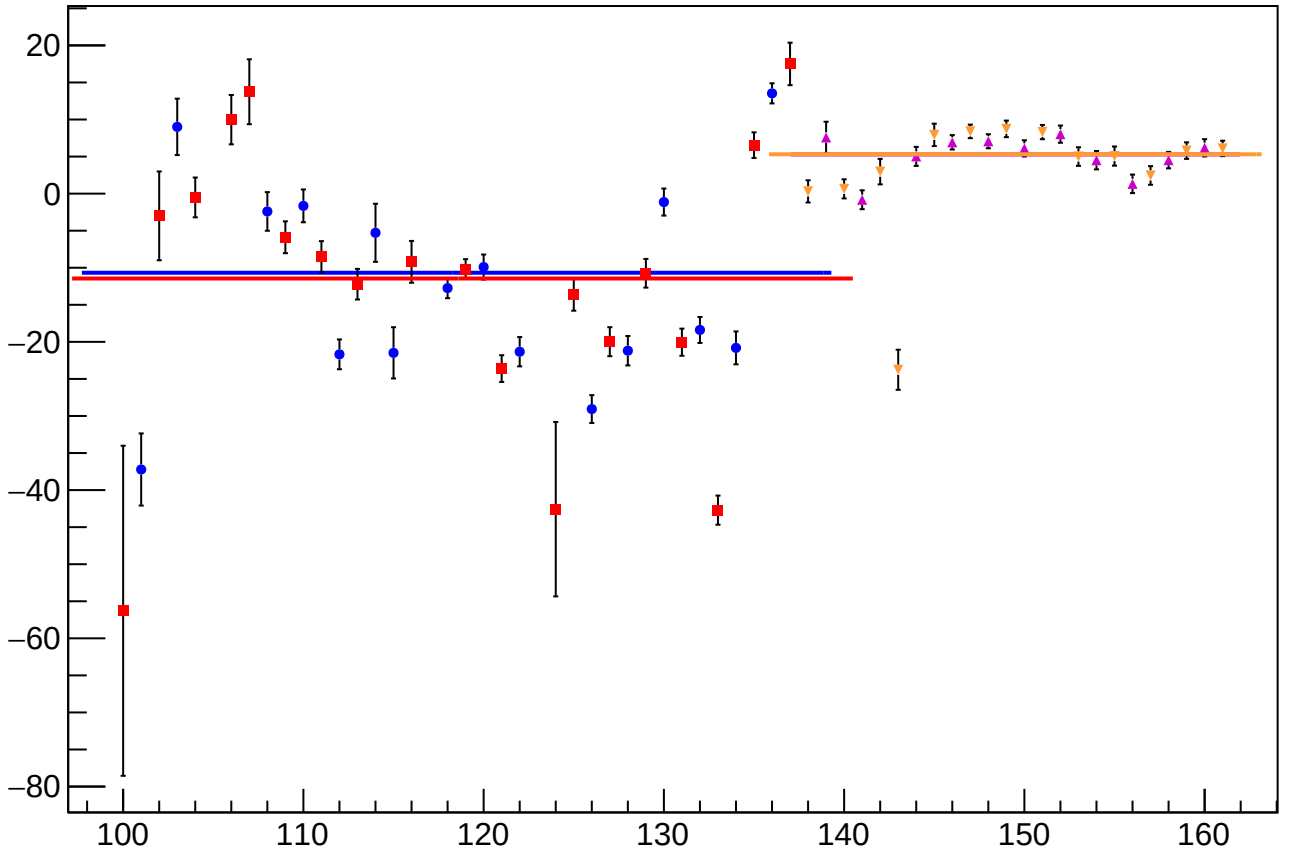
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.607+/-0.424 χ^2/NDF:91.0/10

+ sign -25.779+/-0.315 χ^2/NDF: 11263.9/28

All: -24.510+/-0.225 χ^2/NDF: 19414.1/58

- sign -23.190+/-0.322 χ^2/NDF: 8117.1/29



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.311+/-0.340 χ^2/NDF:181.1/12

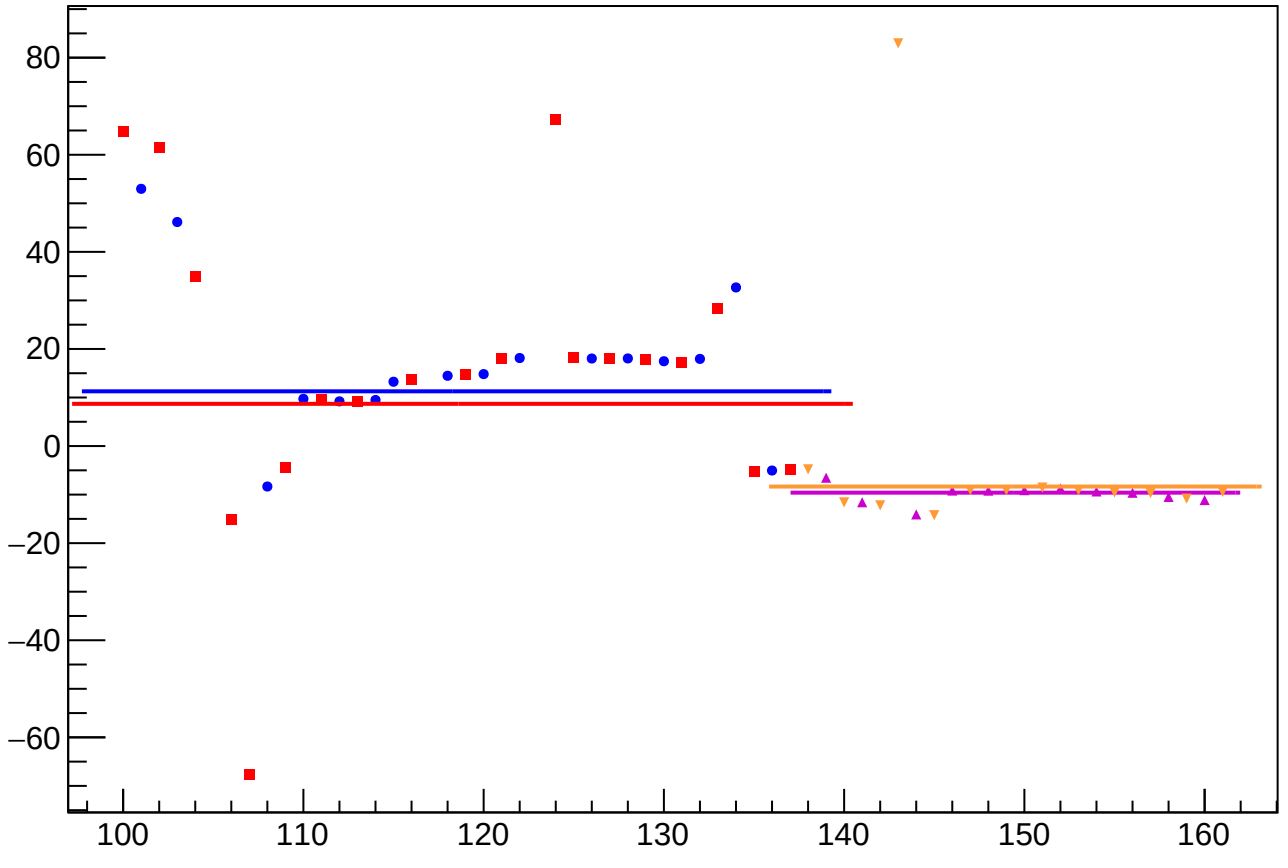
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.285+/-0.353 χ^2/NDF:48.2/10

+ sign 0.321+/-0.282 χ^2/NDF: 1535.5/28

All: 0.141+/-0.203 χ^2/NDF: 2966.6/58

- sign -0.051+/-0.291 χ^2/NDF: 1430.2/29



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.342+/-0.016 χ^2/NDF:480126.1/12

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

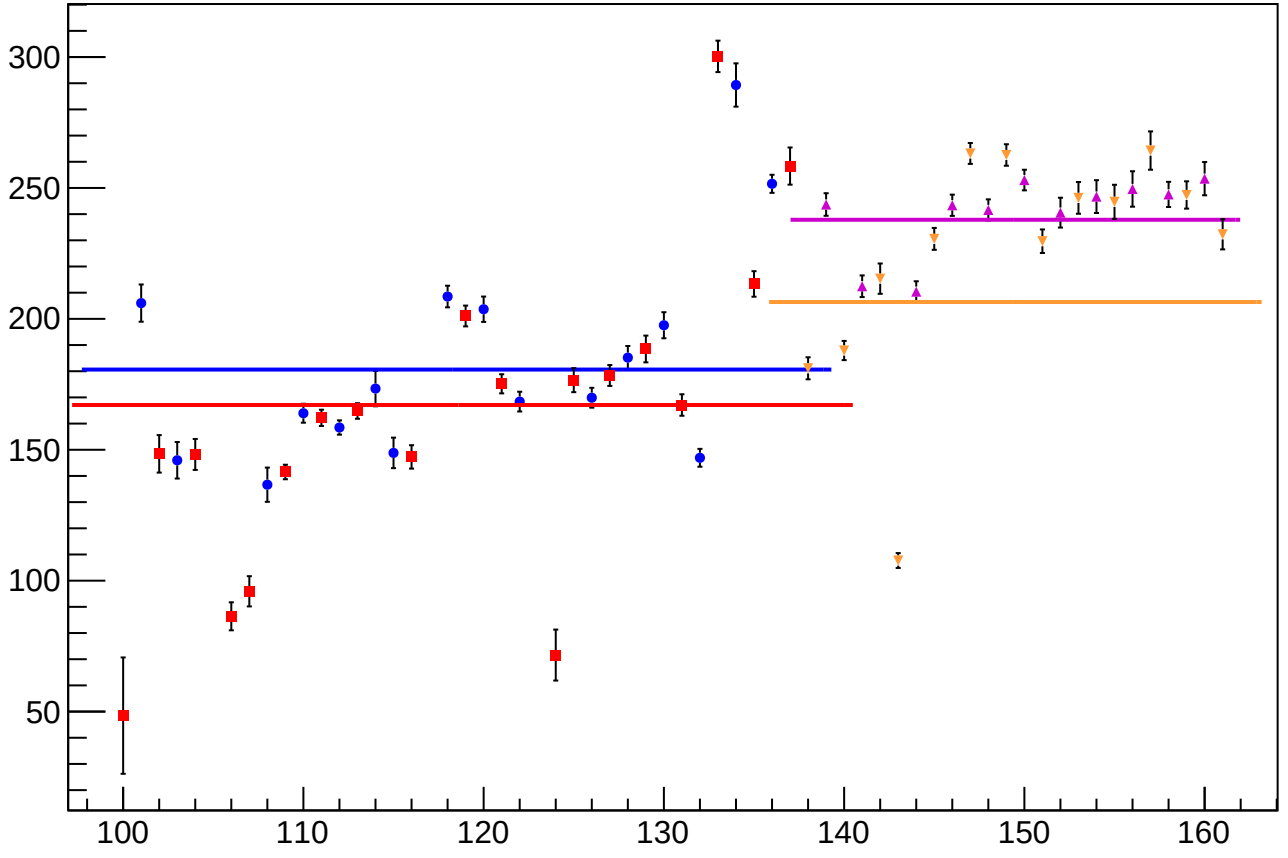
Left In: -9.600+/-0.016 χ^2/NDF:11611.5/10

\+ sign -4.140+/-0.014 χ^2/NDF: 1167292.9/28

All: -4.990+/-0.010 χ^2/NDF: 1892929.0/58

\- sign -5.879+/-0.014 χ^2/NDF: 717929.4/29

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: 206.444+/-1.240 χ^2/NDF:1942.6/12

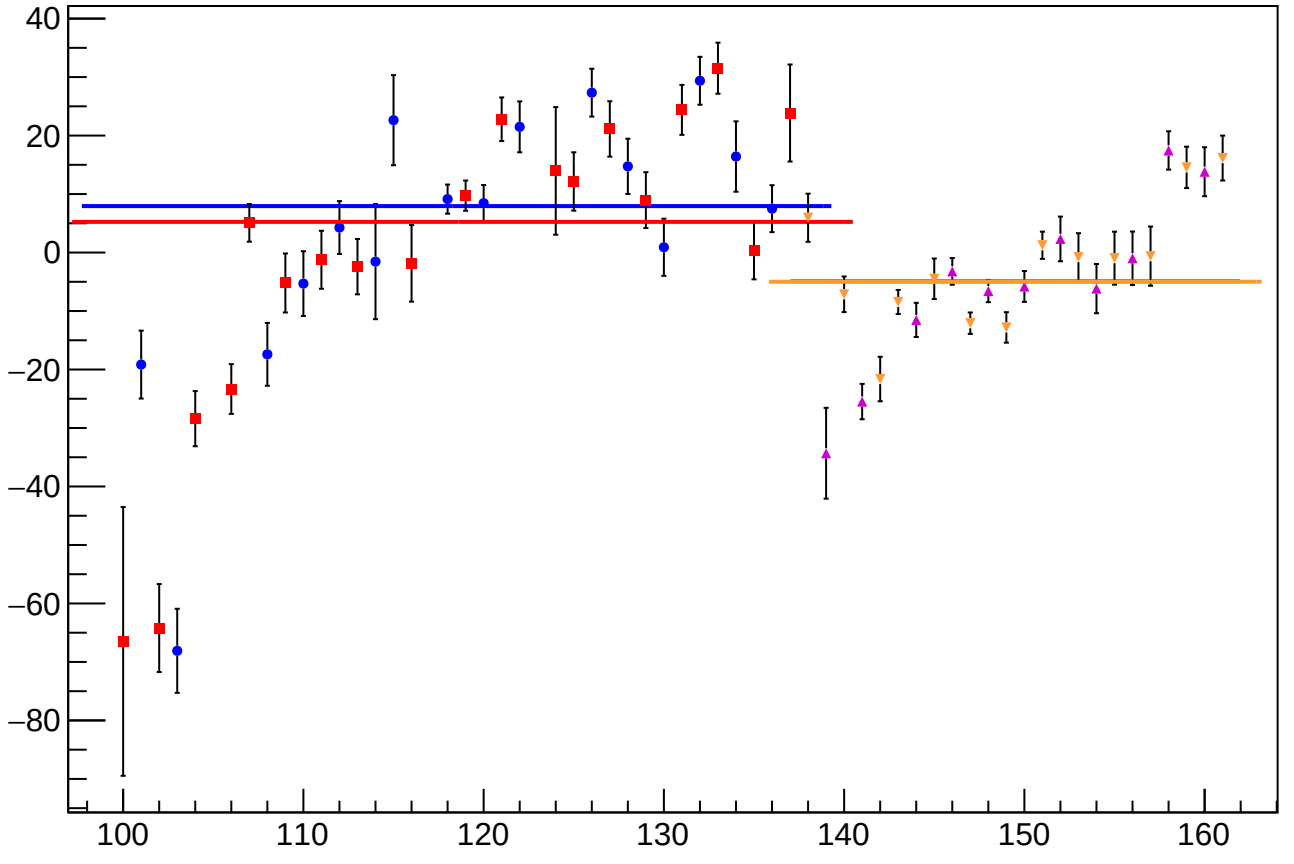
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.849+/-1.402 χ^2/NDF:120.6/10

+ sign 191.875+/-0.819 χ^2/NDF: 3180.3/28

All: 191.743+/-0.581 χ^2/NDF: 6449.4/58

- sign 191.609+/-0.825 χ^2/NDF: 3269.0/29



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -4.991+/-0.822 χ^2/NDF:124.2/12

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

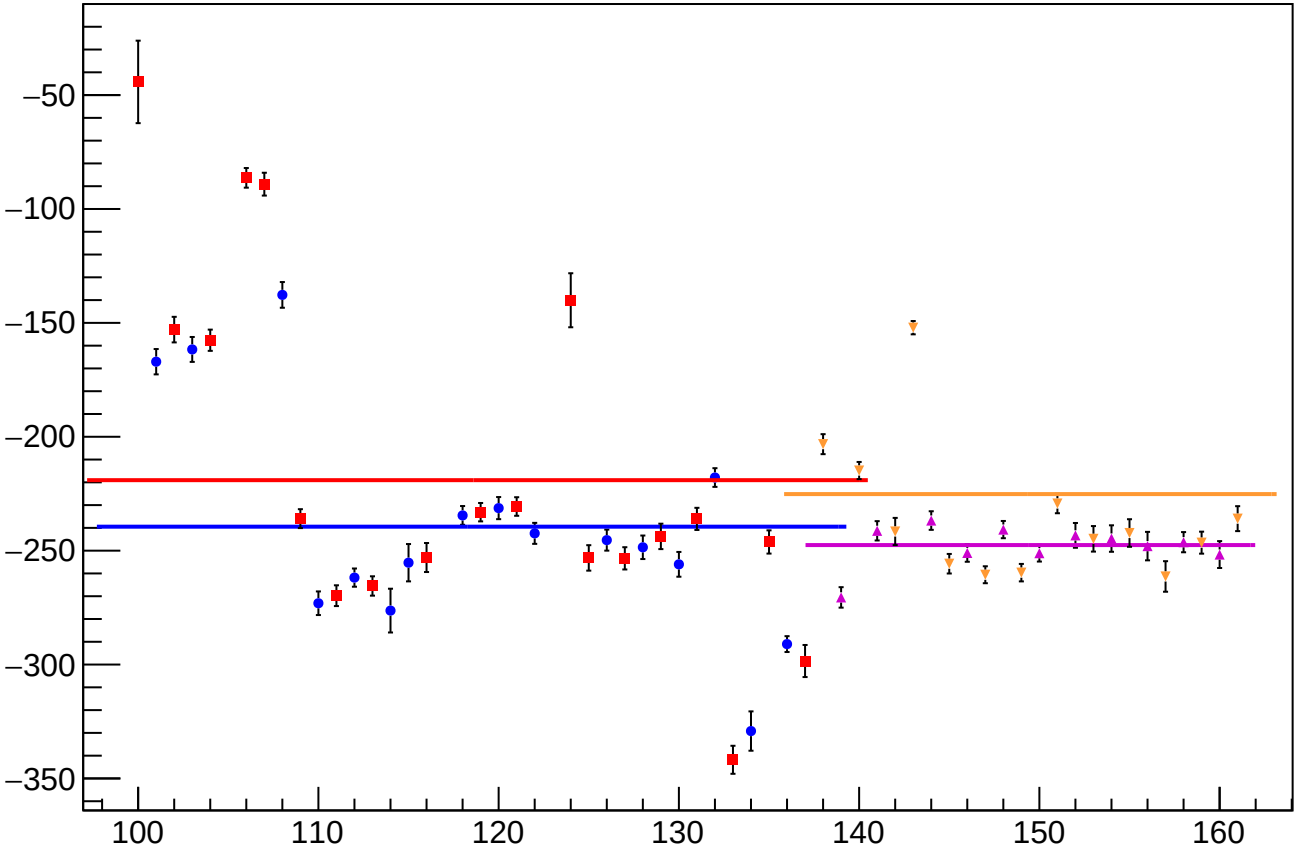
Left In: -4.918+/-0.921 χ^2/NDF:138.4/10

+ sign -0.428+/-0.661 χ^2/NDF: 444.5/28

All: -0.488+/-0.479 χ^2/NDF: 938.0/58

- sign -0.555+/-0.696 χ^2/NDF: 493.5/29

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: -225.163+/-1.218 χ^2/NDF:960.8/12

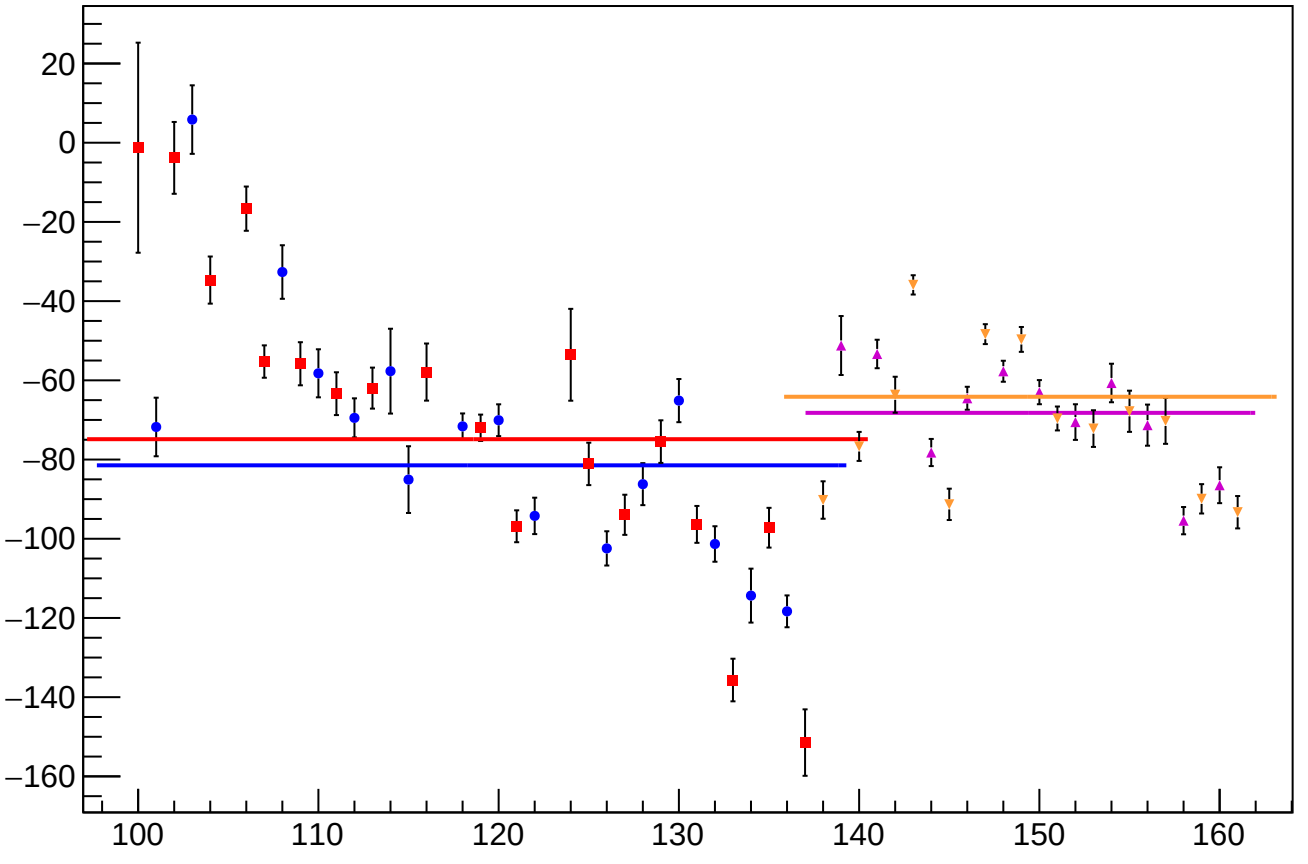
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.544+/-1.356 χ^2/NDF:41.7/10

+ sign -232.155+/-0.871 χ^2/NDF: 2190.5/28

All: -231.731+/-0.622 χ^2/NDF: 5533.9/58

- sign -231.288+/-0.889 χ^2/NDF: 3342.9/29



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -64.146+/-0.992 χ^2/NDF:391.8/12

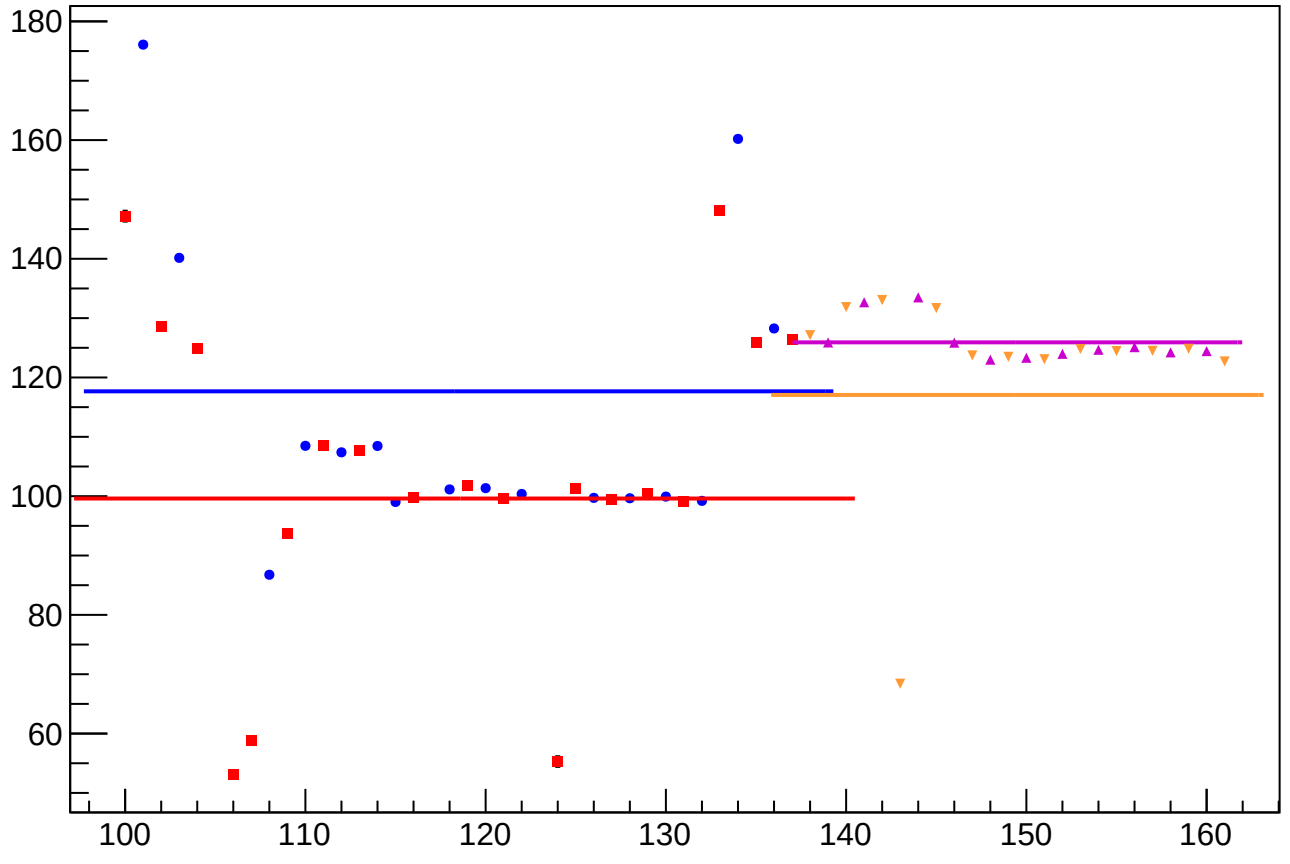
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -68.211+/-1.110 χ^2/NDF:132.9/10

\+ sign -70.602+/-0.786 χ^2/NDF: 871.8/28

All: -70.885+/-0.569 χ^2/NDF: 1597.7/58

\- sign -71.197+/-0.824 χ^2/NDF: 725.6/29



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.057+/-0.048 χ^2/NDF:194274.0/12

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

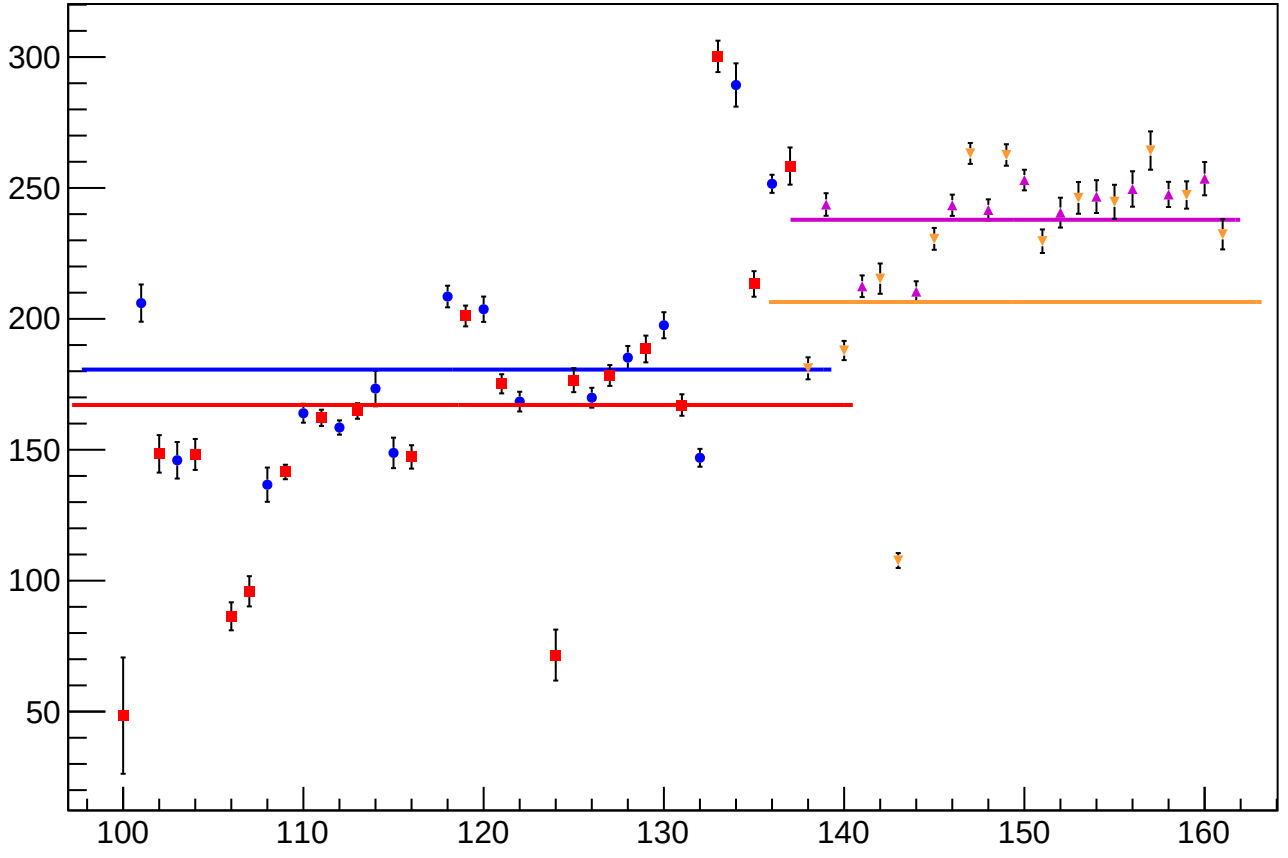
Left In: 125.920+/-0.052 χ^2/NDF:4224.4/10

+ sign 117.224+/-0.041 χ^2/NDF: 289715.1/28

All: 116.905+/-0.029 χ^2/NDF: 550639.8/58

- sign 116.572+/-0.042 χ^2/NDF: 260801.0/29

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 206.444+/-1.240 χ^2/NDF:1942.6/12

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

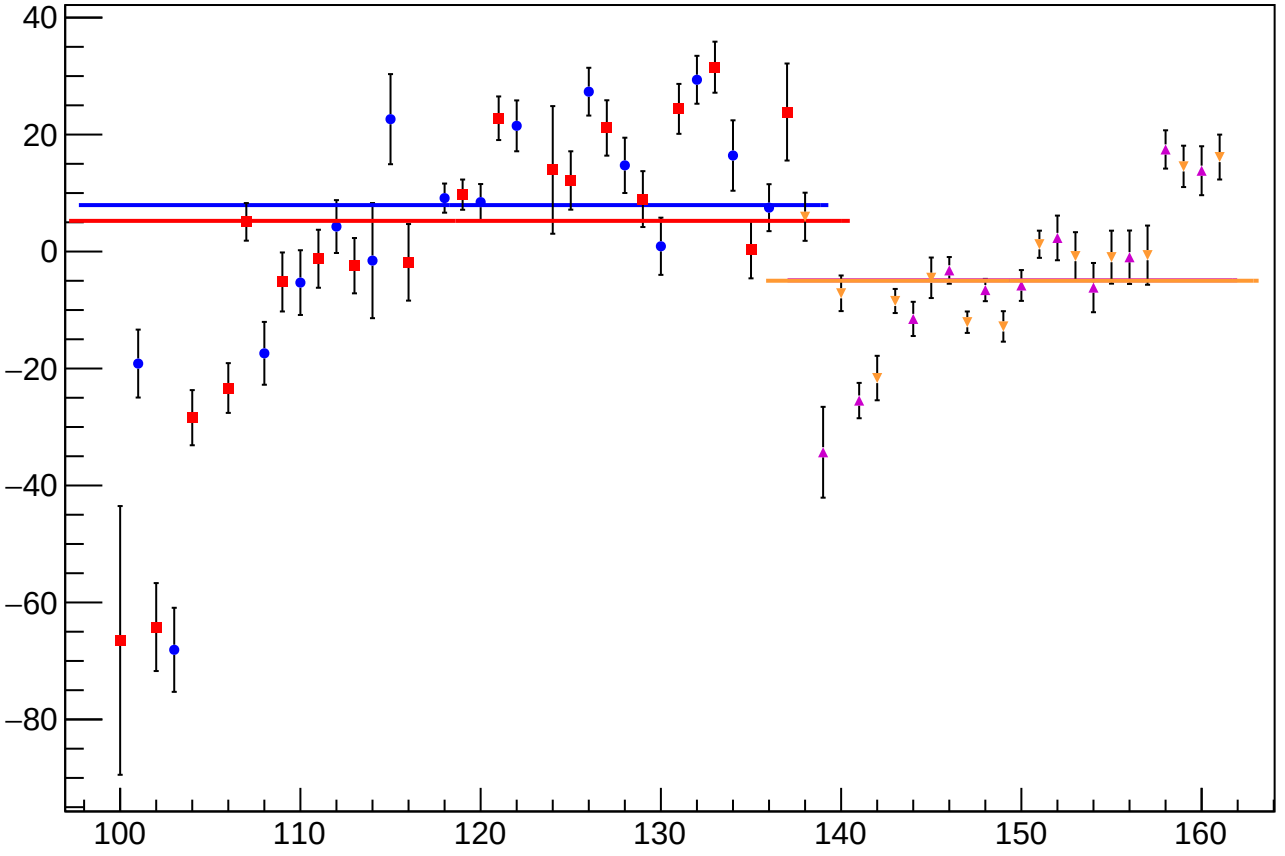
Left In: 237.849+/-1.402 χ^2/NDF:120.6/10

+ sign 191.875+/-0.819 χ^2/NDF: 3180.3/28

All: 191.743+/-0.581 χ^2/NDF: 6449.4/58

- sign 191.609+/-0.825 χ^2/NDF: 3269.0/29

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -4.991+/-0.822 χ^2/NDF:124.2/12

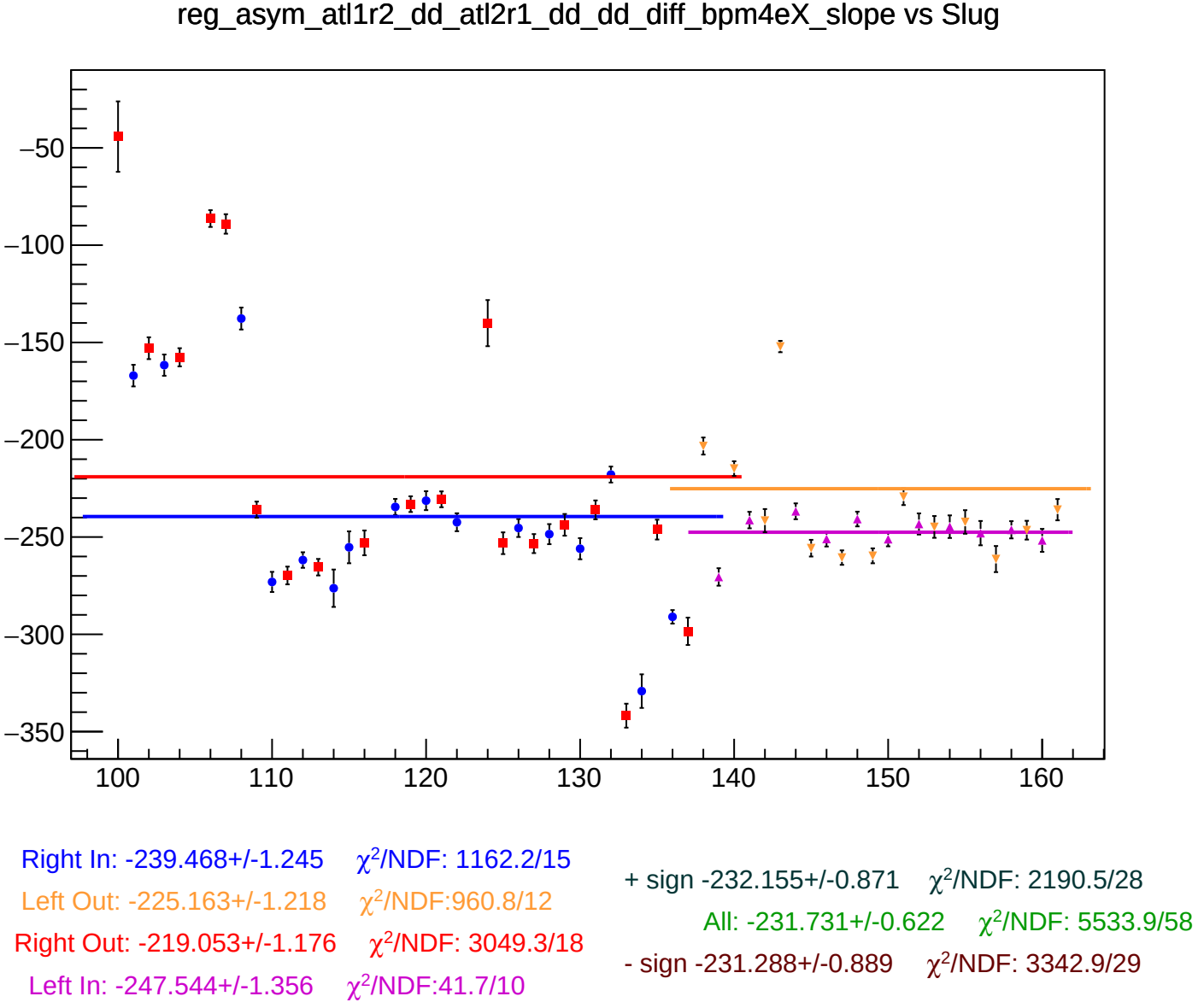
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

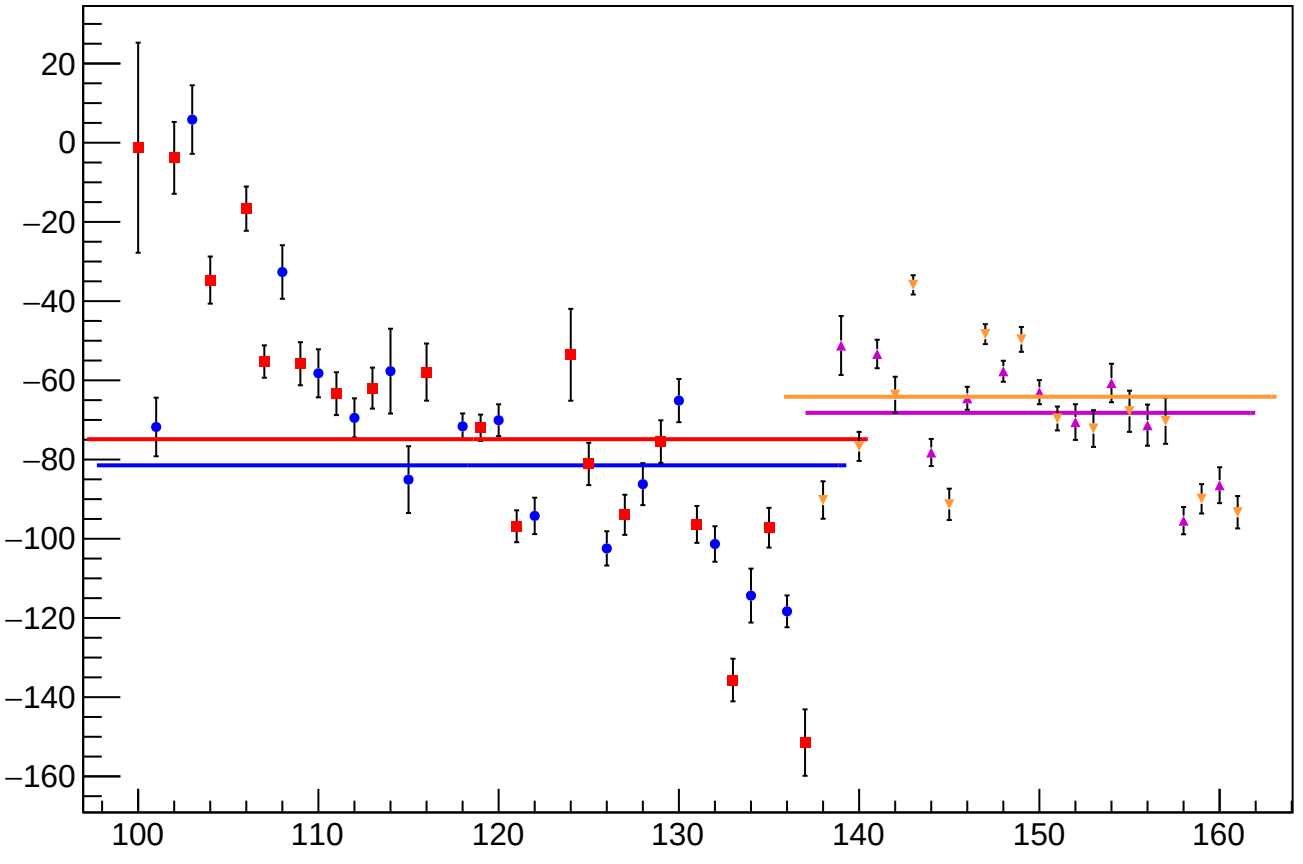
Left In: -4.918+/-0.921 χ^2/NDF:138.4/10

+ sign -0.428+/-0.661 χ^2/NDF: 444.5/28

All: -0.488+/-0.479 χ^2/NDF: 938.0/58

- sign -0.555+/-0.696 χ^2/NDF: 493.5/29


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -225.163+/-1.218 χ²/NDF:960.8/12
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -247.544+/-1.356 χ²/NDF:41.7/10
+ sign -232.155+/-0.871 χ²/NDF: 2190.5/28
All: -231.731+/-0.622 χ²/NDF: 5533.9/58
- sign -231.288+/-0.889 χ²/NDF: 3342.9/29



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -64.146+/-0.992 χ^2/NDF:391.8/12

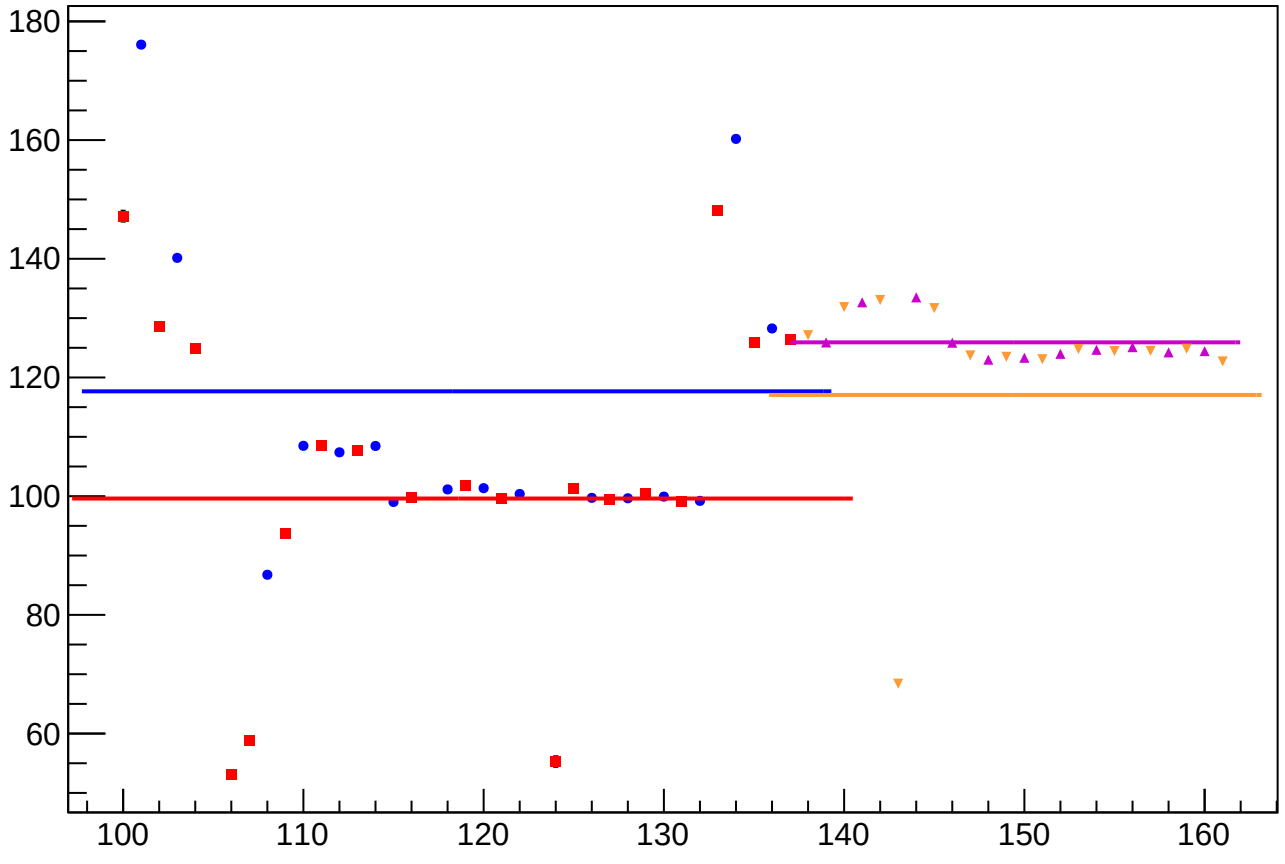
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -68.211+/-1.110 χ^2/NDF:132.9/10

+ sign -70.602+/-0.786 χ^2/NDF: 871.8/28

All: -70.885+/-0.569 χ^2/NDF: 1597.7/58

- sign -71.197+/-0.824 χ^2/NDF: 725.6/29



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.057+/-0.048 χ^2/NDF:194274.0/12

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

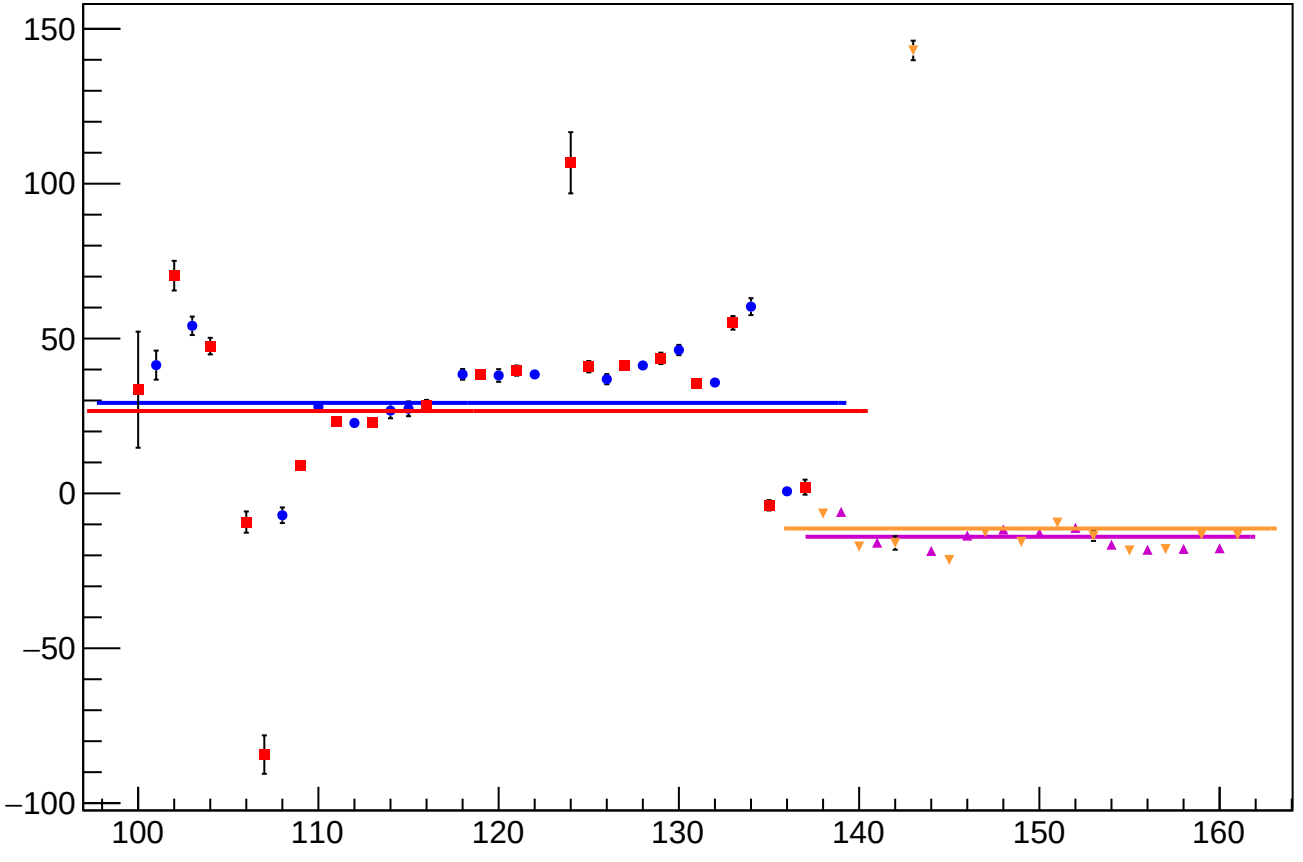
Left In: 125.920+/-0.052 χ^2/NDF:4224.4/10

+ sign 117.224+/-0.041 χ^2/NDF: 289715.1/28

All: 116.905+/-0.029 χ^2/NDF: 550639.8/58

- sign 116.572+/-0.042 χ^2/NDF: 260801.0/29

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.326+/-0.428 χ^2/NDF:2529.7/12

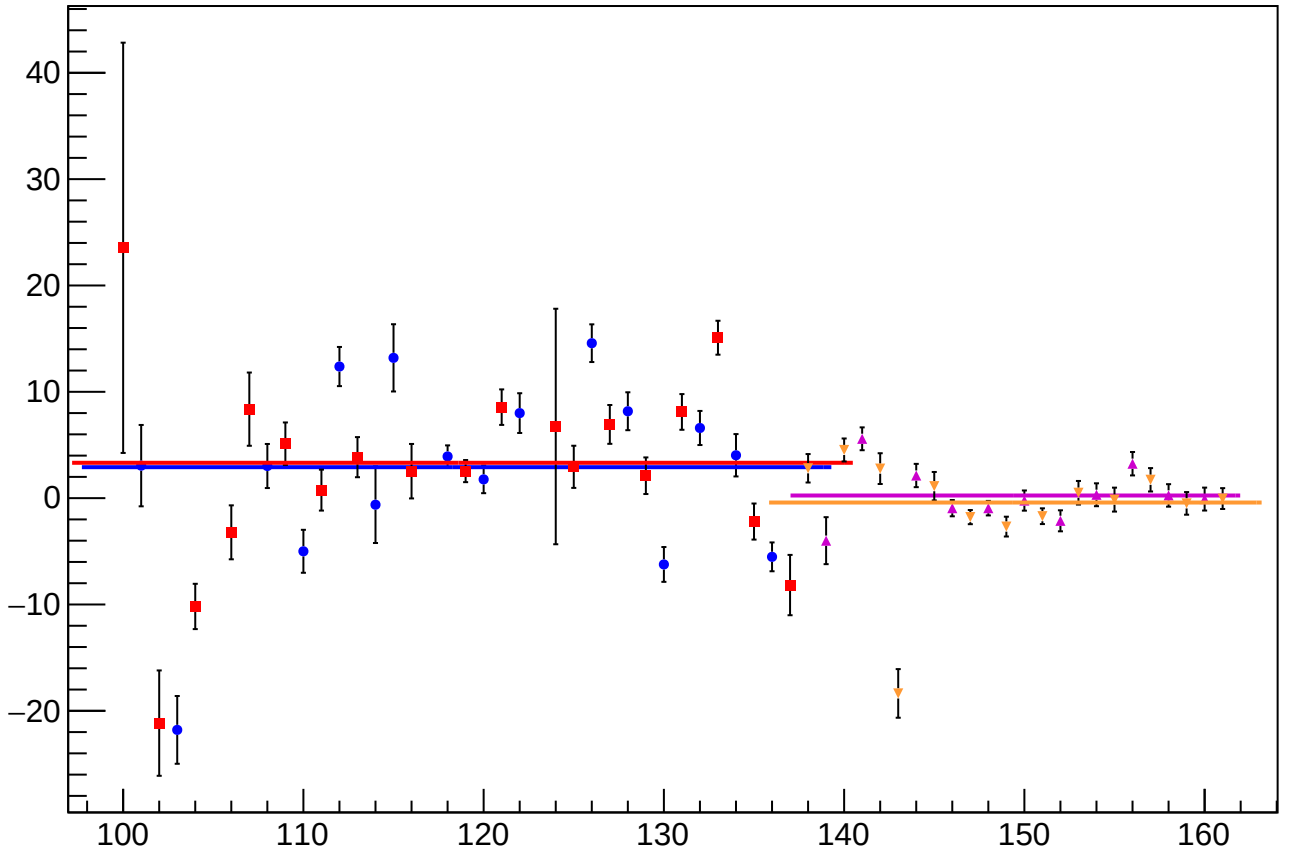
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.993+/-0.440 χ^2/NDF:82.4/10

+ sign 9.125+/-0.301 χ^2/NDF: 8402.1/28

All: 8.341+/-0.213 χ^2/NDF: 14930.3/58

- sign 7.555+/-0.302 χ^2/NDF: 6514.7/29



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.412+/-0.286 χ^2/NDF:112.4/12

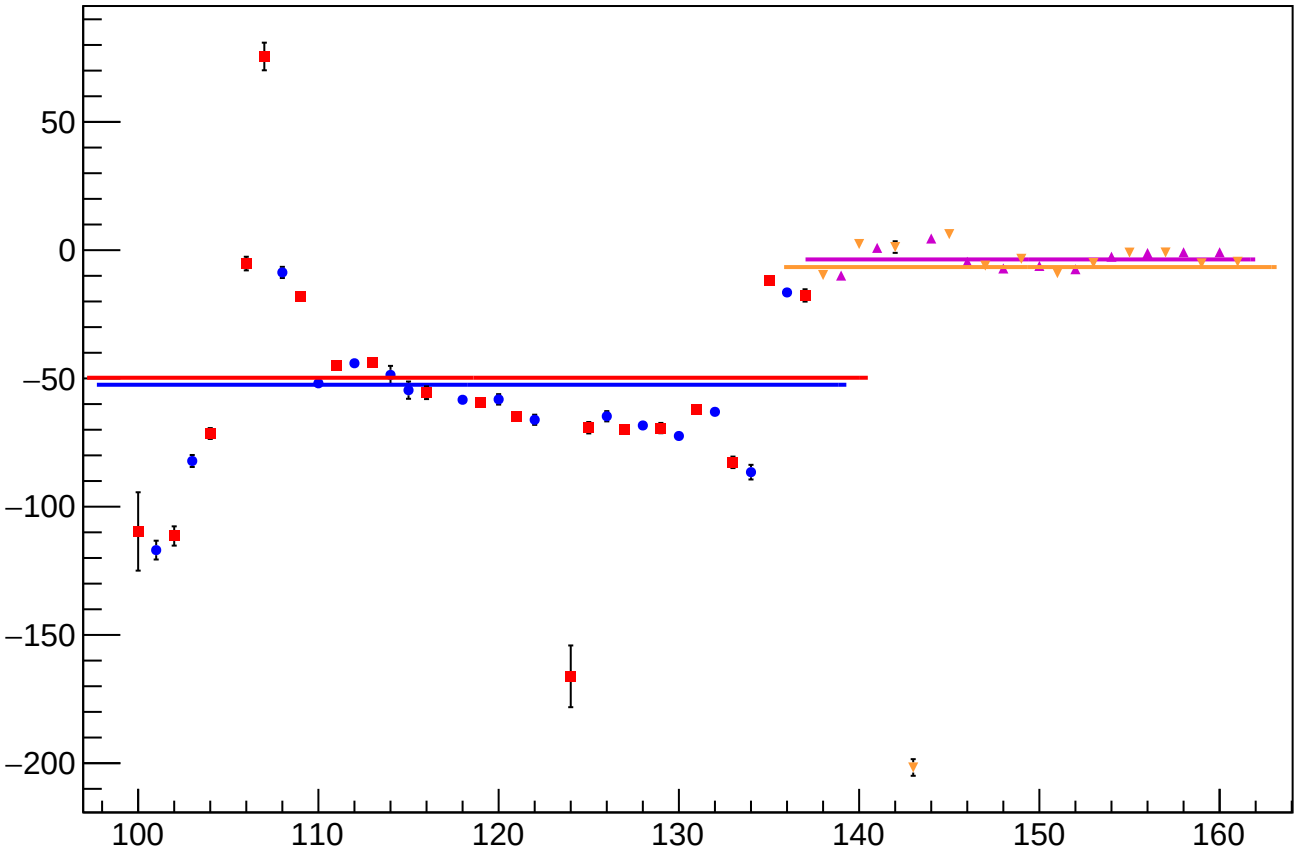
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.249+/-0.297 χ^2/NDF:50.3/10

+ sign 0.568+/-0.240 χ^2/NDF: 402.1/28

All: 0.860+/-0.173 χ^2/NDF: 669.5/58

- sign 1.172+/-0.248 χ^2/NDF: 264.3/29



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.589+/-0.414 χ^2/NDF:3787.7/12

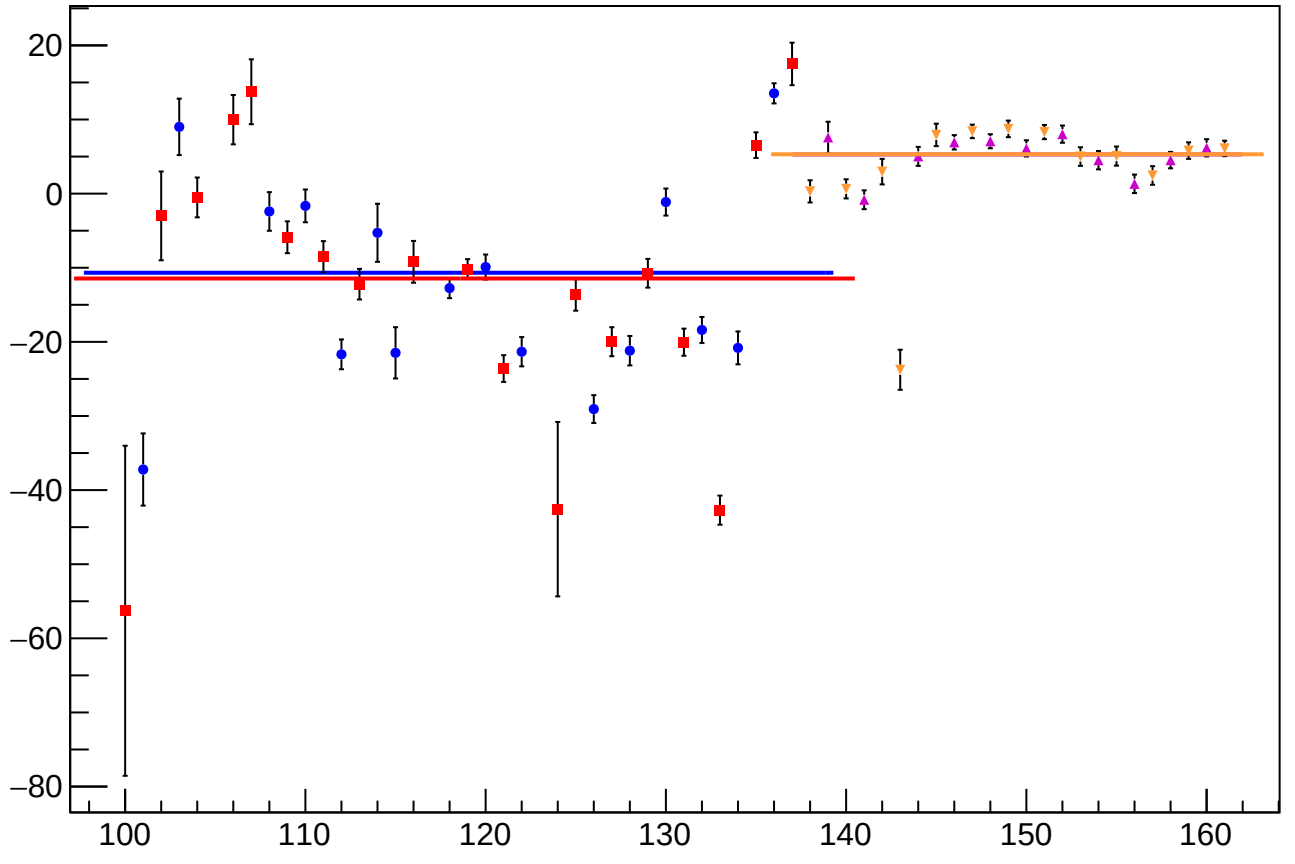
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.607+/-0.424 χ^2/NDF:91.0/10

+ sign -25.779+/-0.315 χ^2/NDF: 11263.9/28

All: -24.510+/-0.225 χ^2/NDF: 19414.1/58

- sign -23.190+/-0.322 χ^2/NDF: 8117.1/29



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.311+/-0.340 χ^2/NDF:181.1/12

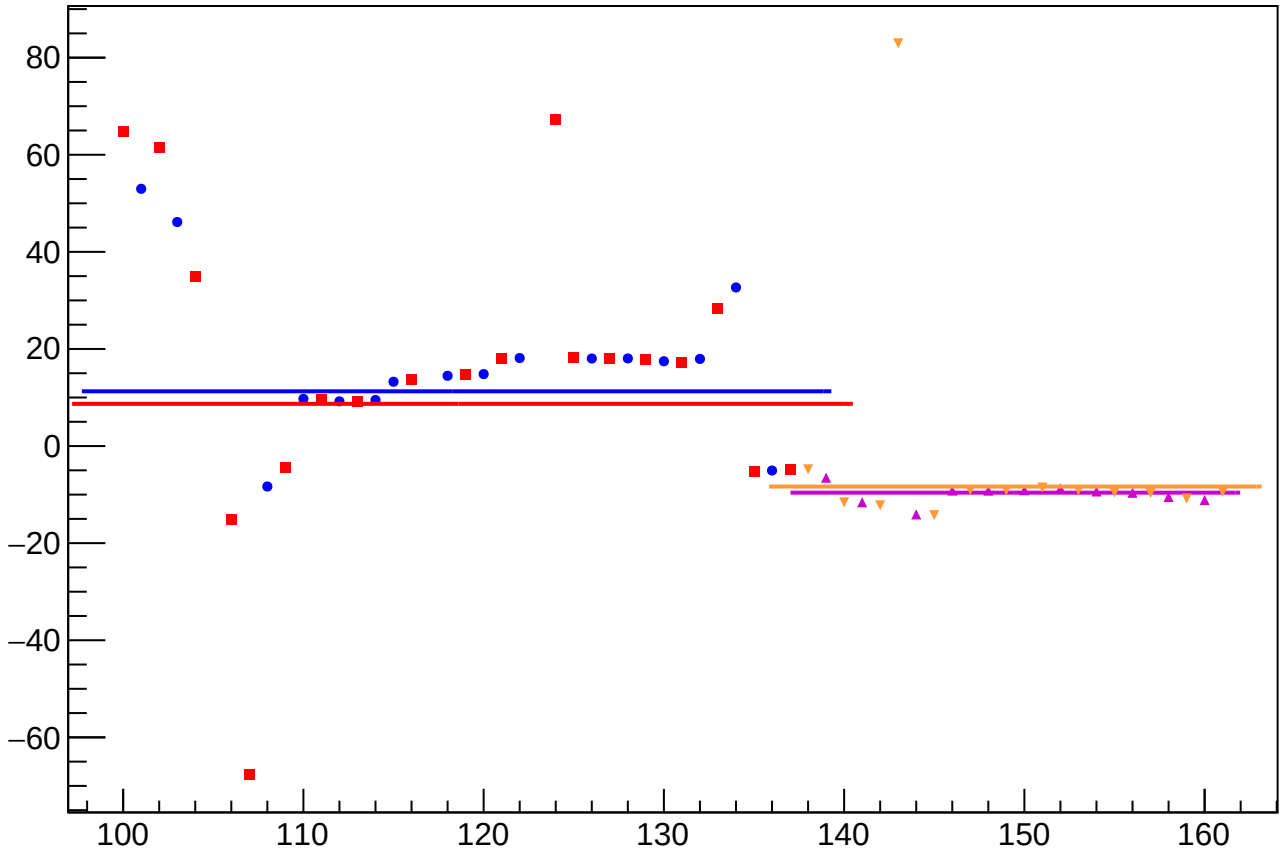
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.285+/-0.353 χ^2/NDF:48.2/10

\+ sign 0.321+/-0.282 χ^2/NDF: 1535.5/28

All: 0.141+/-0.203 χ^2/NDF: 2966.6/58

\- sign -0.051+/-0.291 χ^2/NDF: 1430.2/29



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.342+/-0.016 χ^2/NDF:480126.1/12

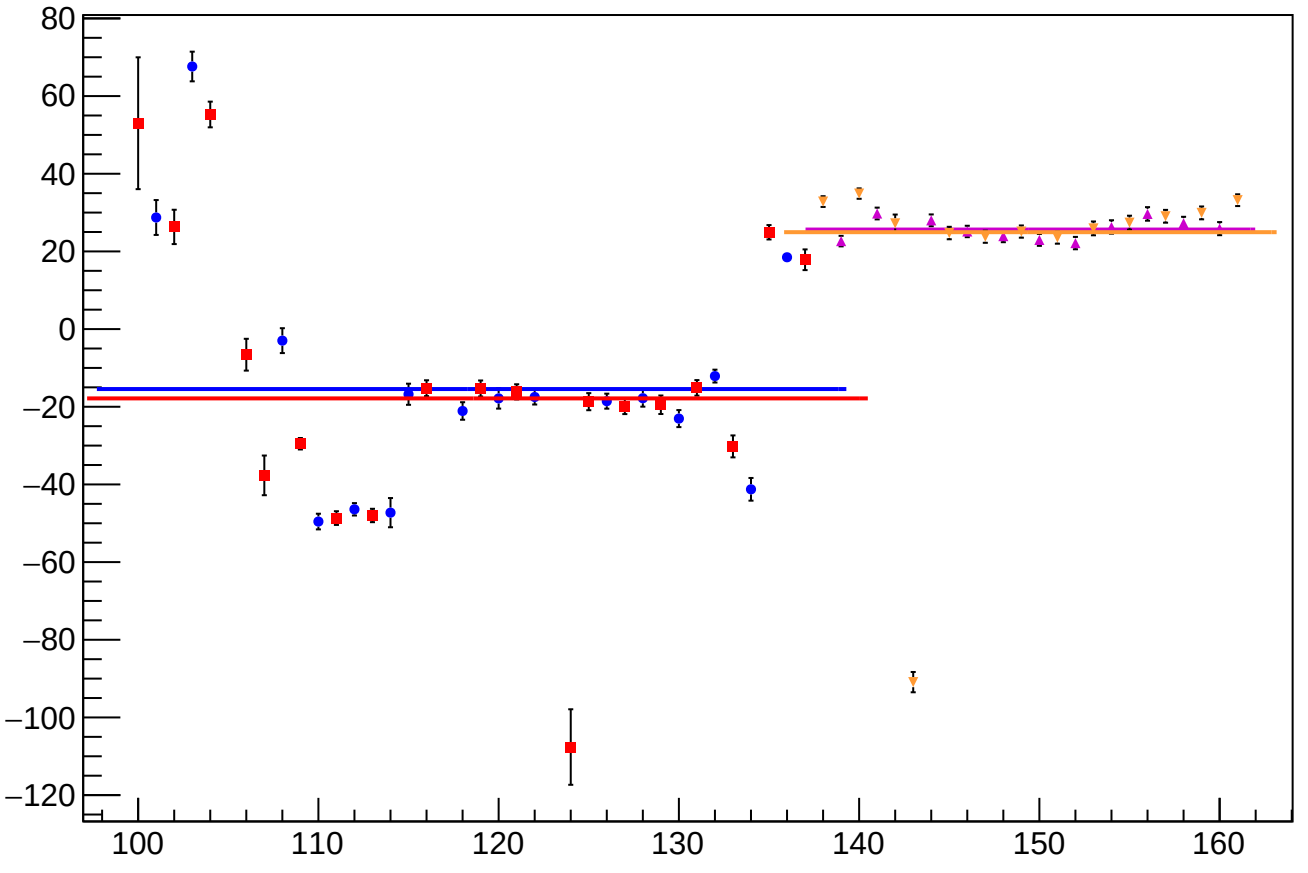
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.600+/-0.016 χ^2/NDF:11611.5/10

\+ sign -4.140+/-0.014 χ^2/NDF: 1167292.9/28

All: -4.990+/-0.010 χ^2/NDF: 1892929.0/58

\- sign -5.879+/-0.014 χ^2/NDF: 717929.4/29



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.954+/-0.456 χ^2/NDF:2103.5/12

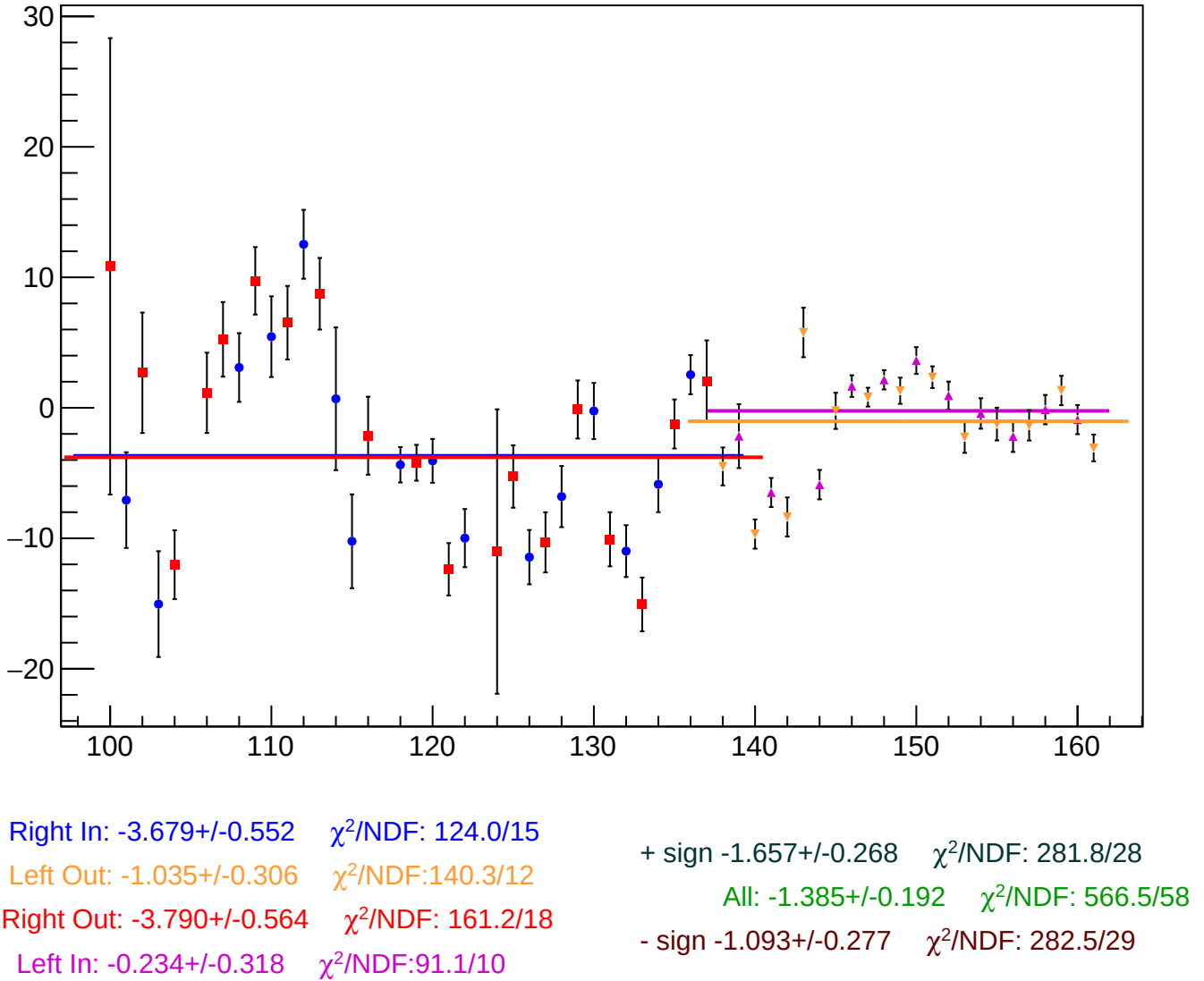
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

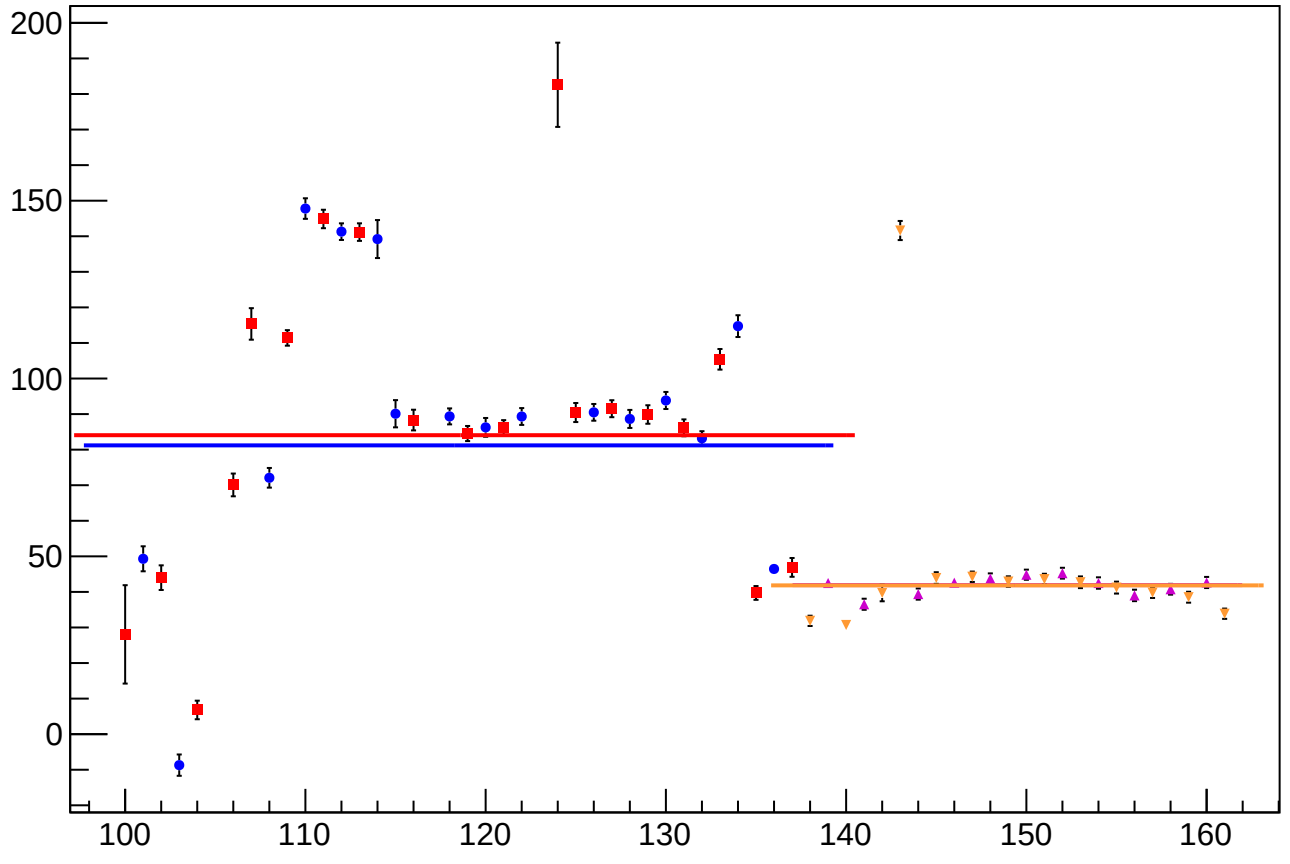
Left In: 25.631+/-0.472 χ^2/NDF:30.2/10

+ sign 8.105+/-0.348 χ^2/NDF: 7500.4/28

All: 7.246+/-0.248 χ^2/NDF: 13421.2/58

- sign 6.365+/-0.353 χ^2/NDF: 5908.4/29


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -1.035+/-0.306 χ²/NDF:140.3/12
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.234+/-0.318 χ²/NDF:91.1/10
+ sign -1.657+/-0.268 χ²/NDF: 281.8/28
All: -1.385+/-0.192 χ²/NDF: 566.5/58
- sign -1.093+/-0.277 χ²/NDF: 282.5/29



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.838+/-0.441 χ^2/NDF:1536.2/12

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

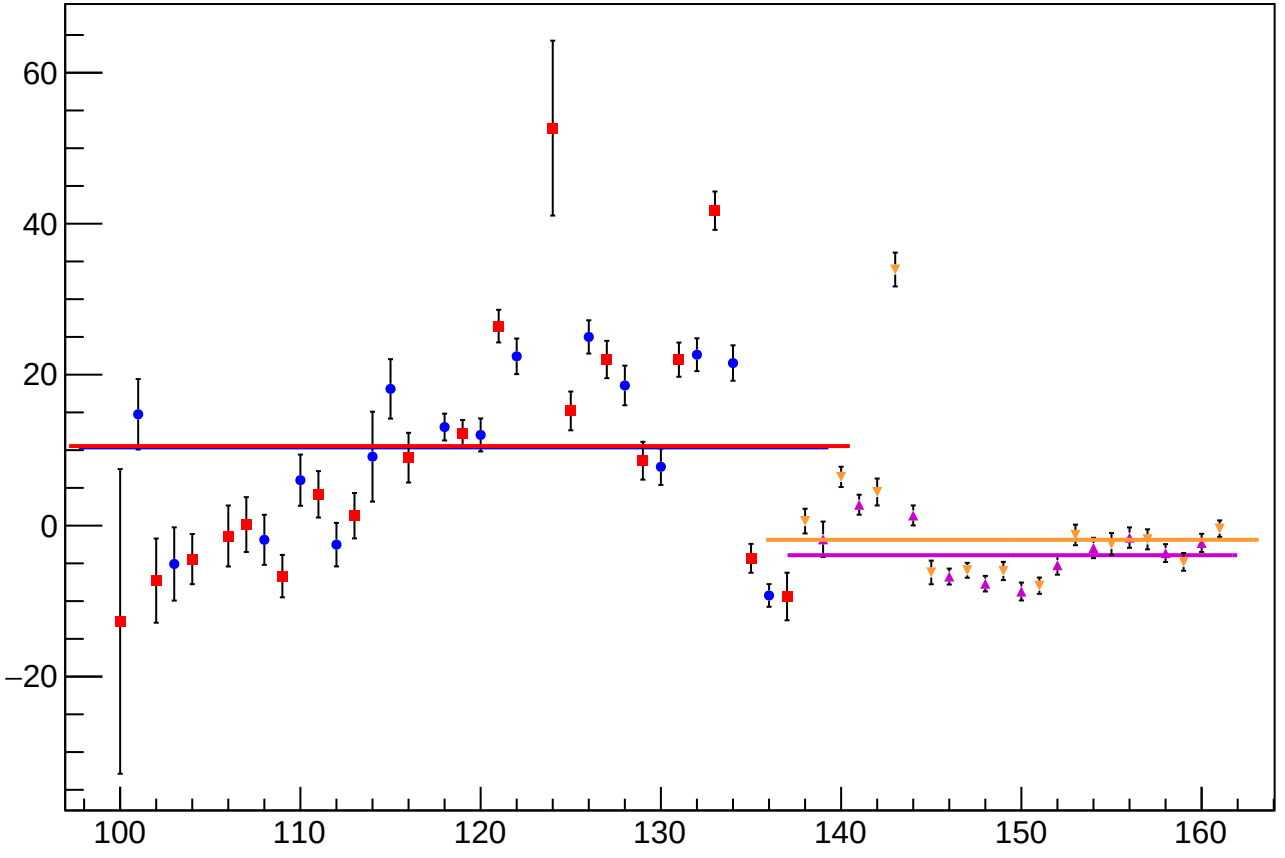
Left In: 41.920+/-0.455 χ^2/NDF:29.7/10

+ sign 55.452+/-0.357 χ^2/NDF: 7517.5/28

All: 56.110+/-0.256 χ^2/NDF: 13785.9/58

- sign 56.803+/-0.366 χ^2/NDF: 6261.4/29

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.878+/-0.364 χ^2/NDF:384.8/12

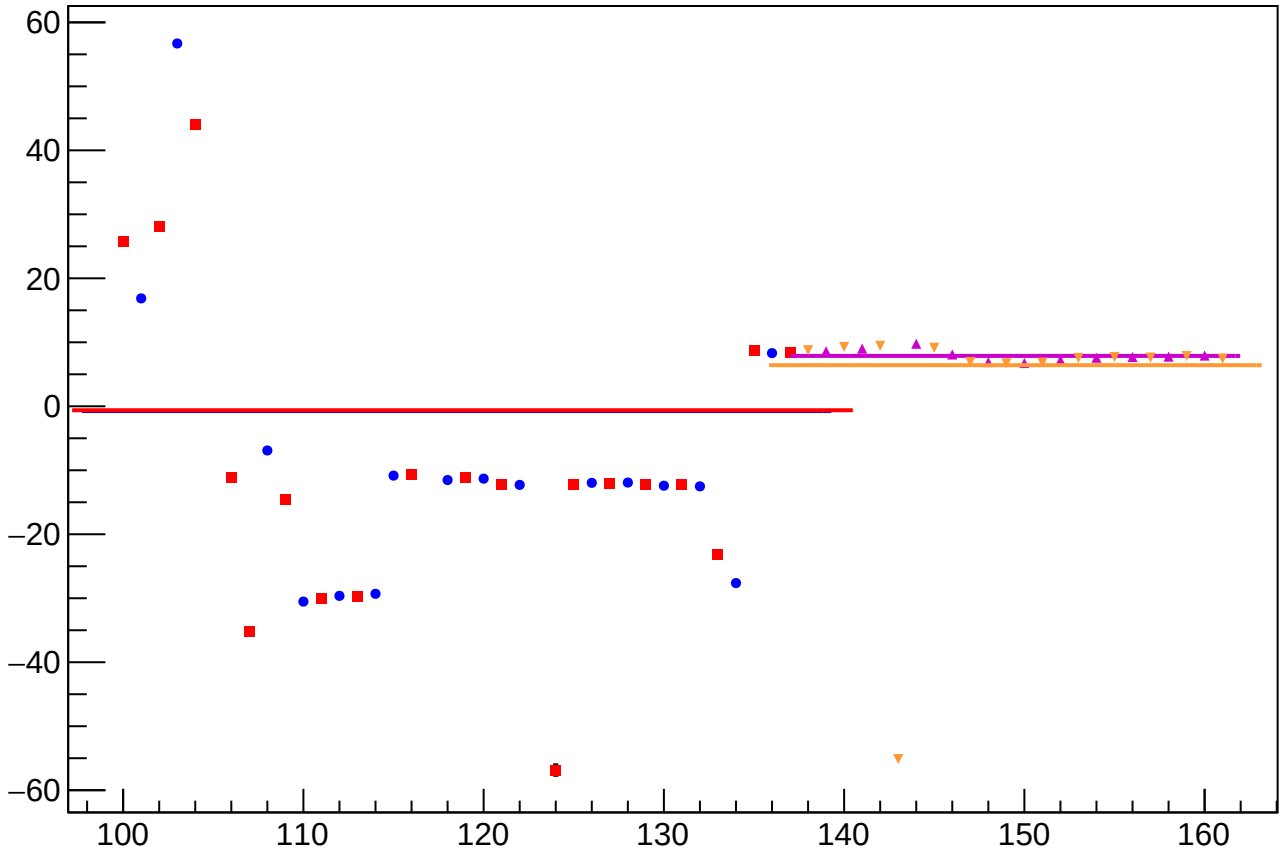
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -3.918+/-0.378 χ^2/NDF:85.8/10

+ sign 1.207+/-0.314 χ^2/NDF: 1030.3/28

All: 0.537+/-0.226 χ^2/NDF: 1974.3/58

- sign -0.181+/-0.325 χ^2/NDF: 934.6/29



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.426+/-0.017 χ^2/NDF:312841.8/12

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

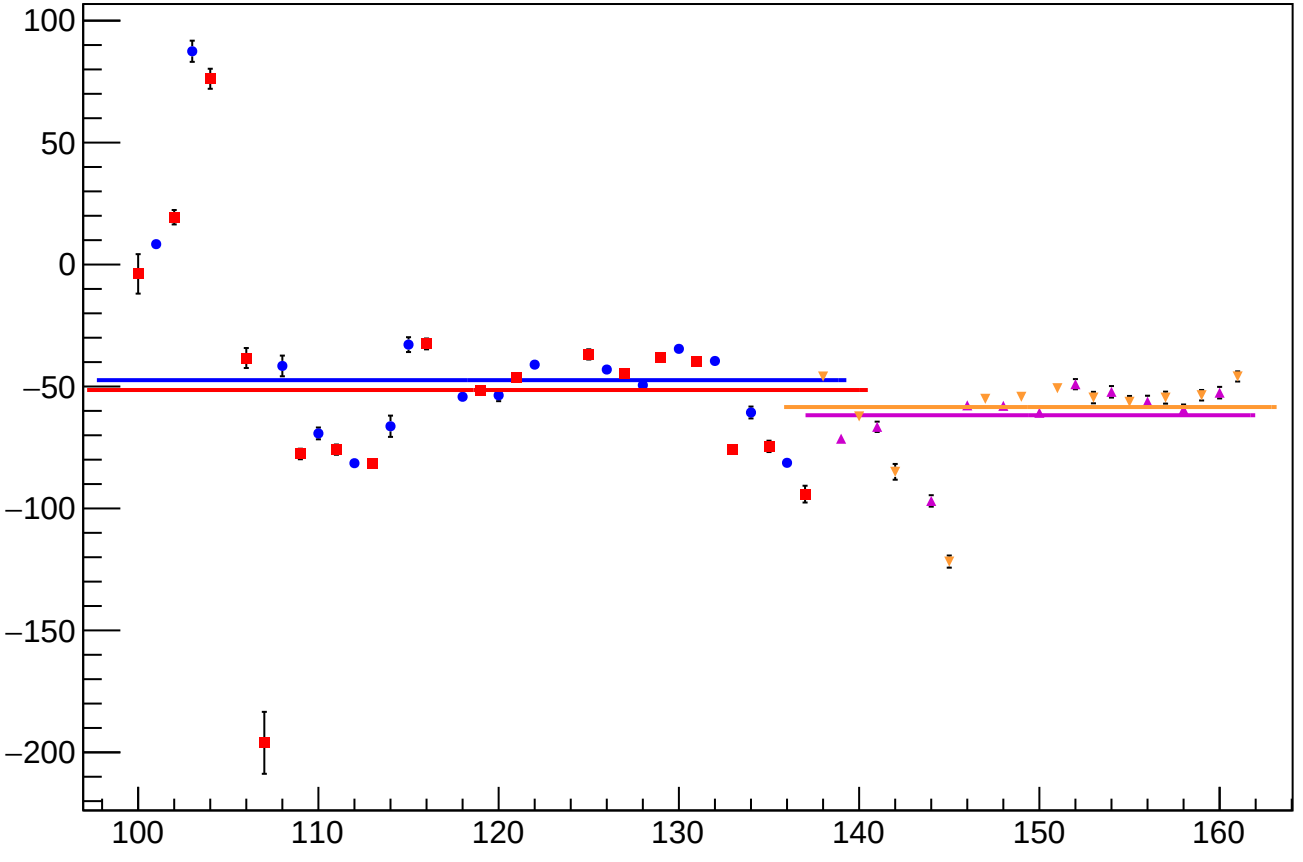
Left In: 7.874+/-0.017 χ^2/NDF:2110.4/10

+ sign 5.148+/-0.015 χ^2/NDF: 713662.4/28

All: 5.762+/-0.011 χ^2/NDF: 1078447.6/58

- sign 6.407+/-0.016 χ^2/NDF: 361414.1/29

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -58.423+/-0.614 χ^2/NDF:838.9/11

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

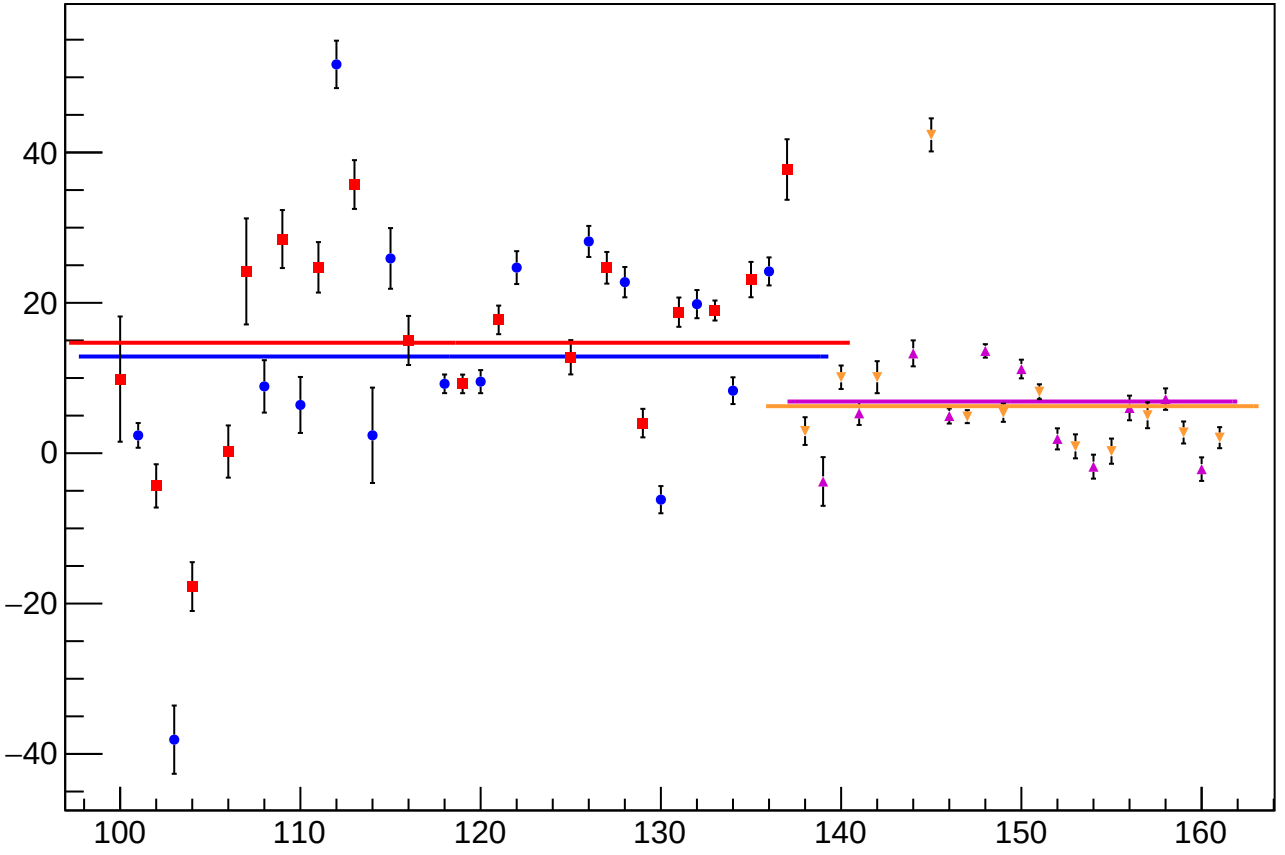
Left In: -61.783+/-0.623 χ^2/NDF:343.3/10

\+ sign -52.160+/-0.403 χ^2/NDF: 3791.3/27

All: -54.013+/-0.288 χ^2/NDF: 7206.4/56

\- sign -55.930+/-0.410 χ^2/NDF: 3372.1/28

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 6.254+/-0.401 χ^2/NDF:327.7/11

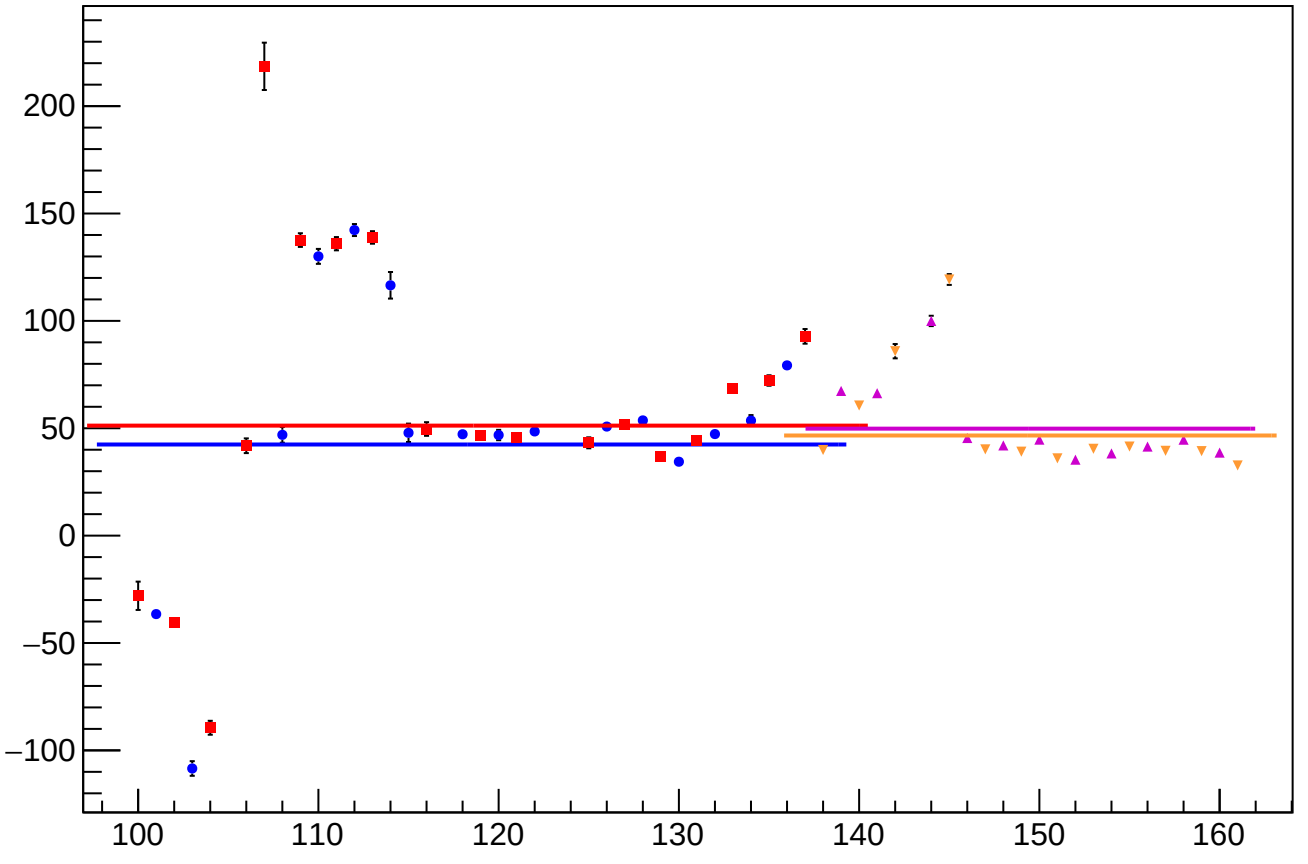
Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 6.874+/-0.412 χ^2/NDF:173.1/10

+ sign 8.724+/-0.317 χ^2/NDF: 1054.8/27

All: 9.203+/-0.228 χ^2/NDF: 1728.0/56

- sign 9.717+/-0.328 χ^2/NDF: 668.5/28



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 46.630+/-0.591 χ^2/NDF:1188.4/11

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

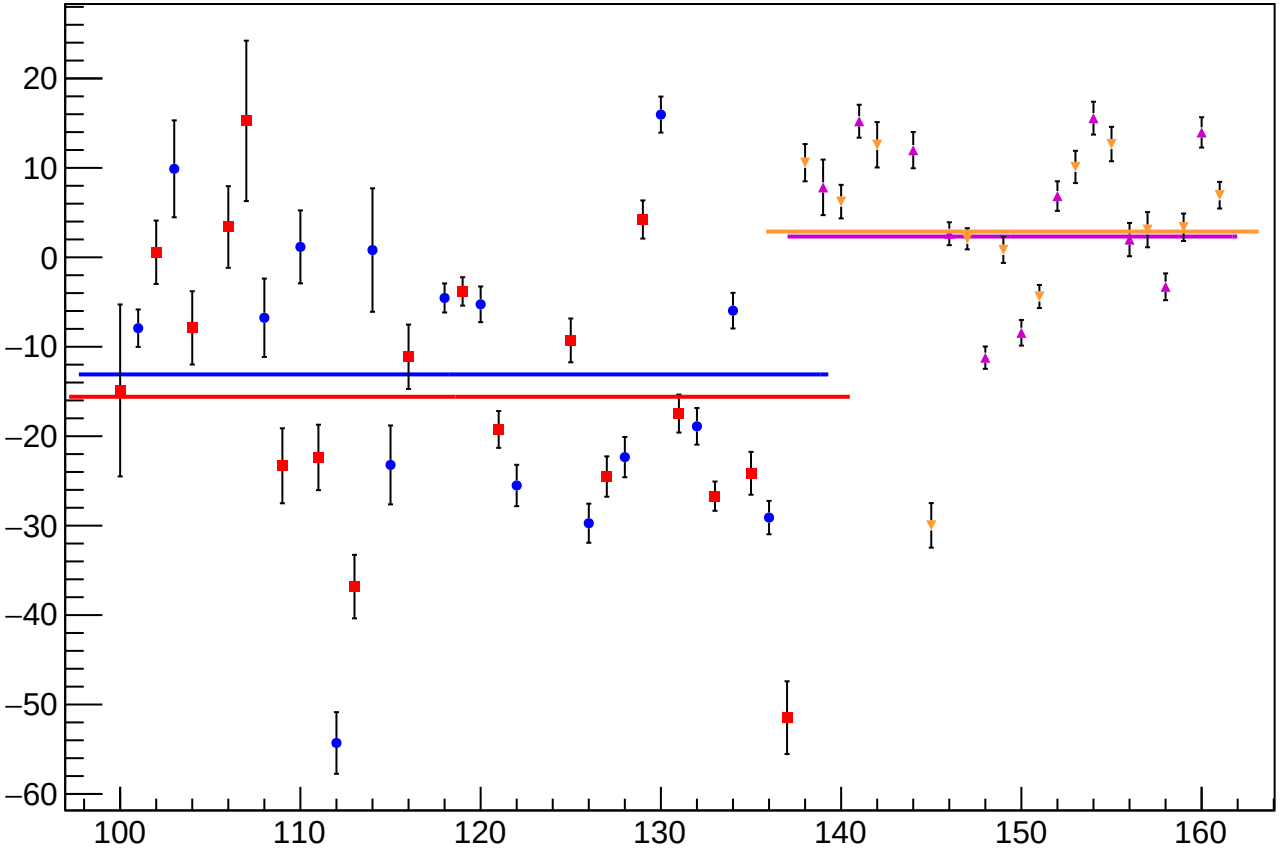
Left In: 49.817+/-0.598 χ^2/NDF:739.1/10

+ sign 44.509+/-0.416 χ^2/NDF: 8382.8/27

All: 47.412+/-0.298 χ^2/NDF: 15836.6/56

- sign 50.502+/-0.429 χ^2/NDF: 7353.0/28

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 2.880+/-0.481 χ^2/NDF:289.1/11

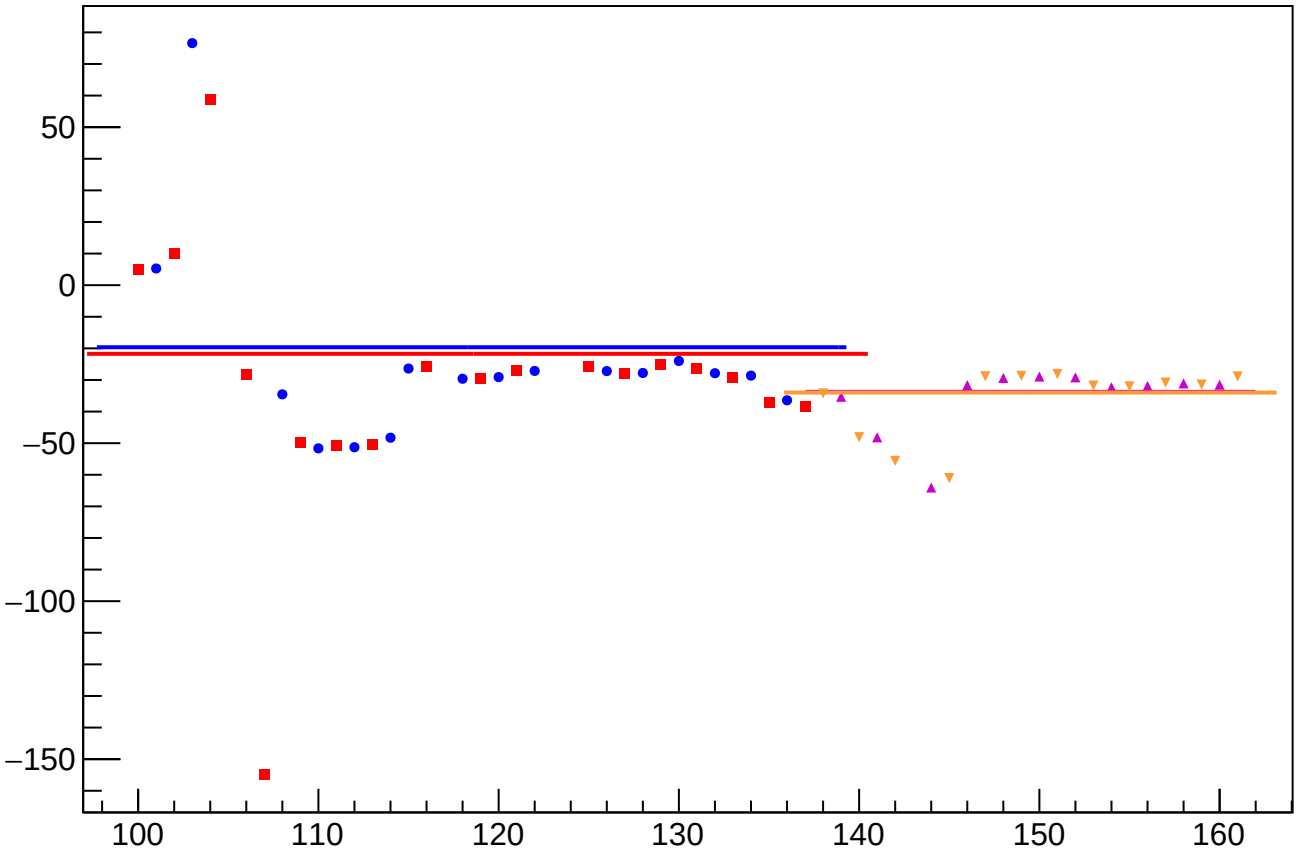
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.324+/-0.492 χ^2/NDF:369.8/10

+ sign -3.368+/-0.375 χ^2/NDF: 1360.7/27

All: -3.922+/-0.269 χ^2/NDF: 2641.8/56

- sign -4.512+/-0.387 χ^2/NDF: 1276.6/28



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -33.981+/-0.022 χ^2/NDF:152816.1/11

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

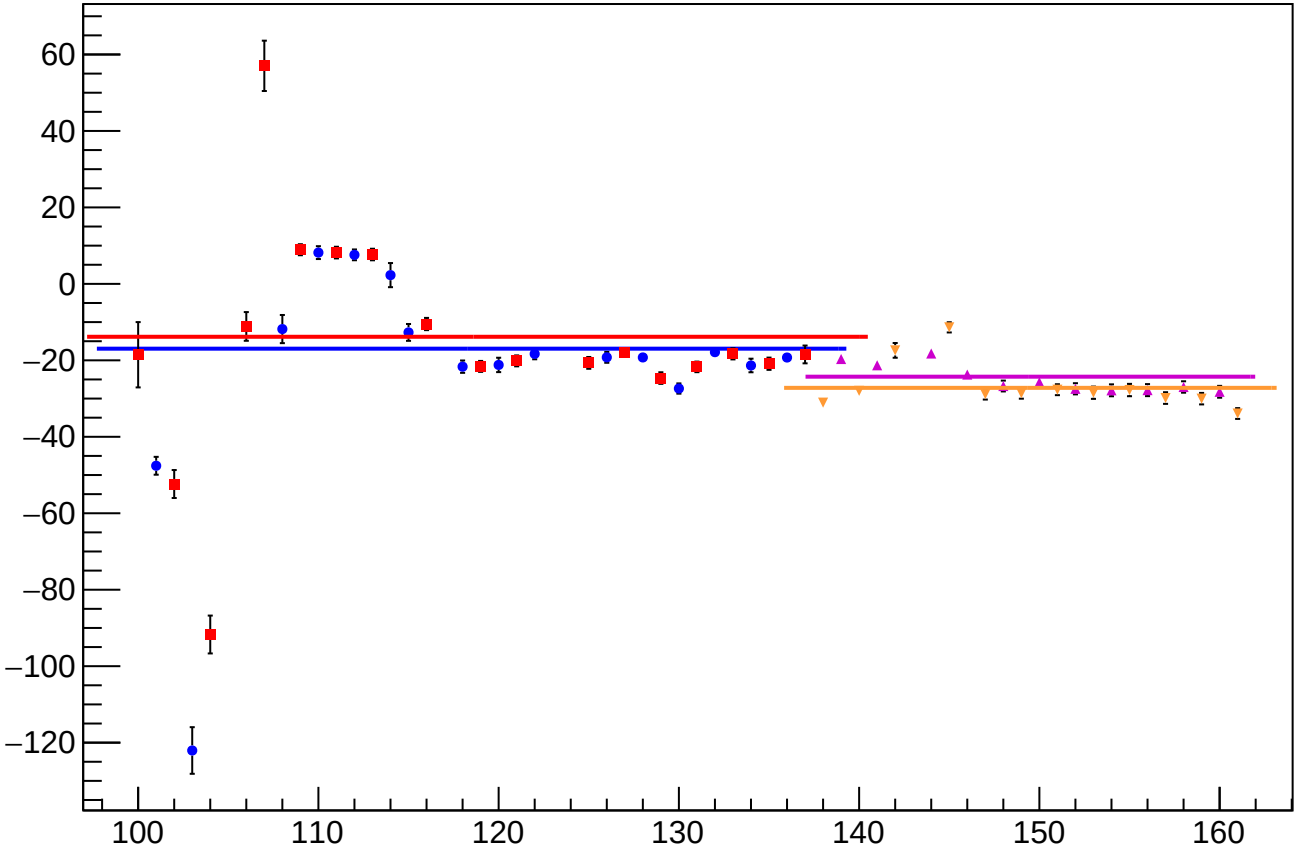
Left In: -33.763+/-0.022 χ^2/NDF:121949.2/10

+ sign -29.974+/-0.019 χ^2/NDF: 913318.6/27

All: -30.354+/-0.014 χ^2/NDF: 1654503.2/56

- sign -30.749+/-0.019 χ^2/NDF: 740375.8/28

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -27.198+/-0.411 χ^2/NDF:209.5/11

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

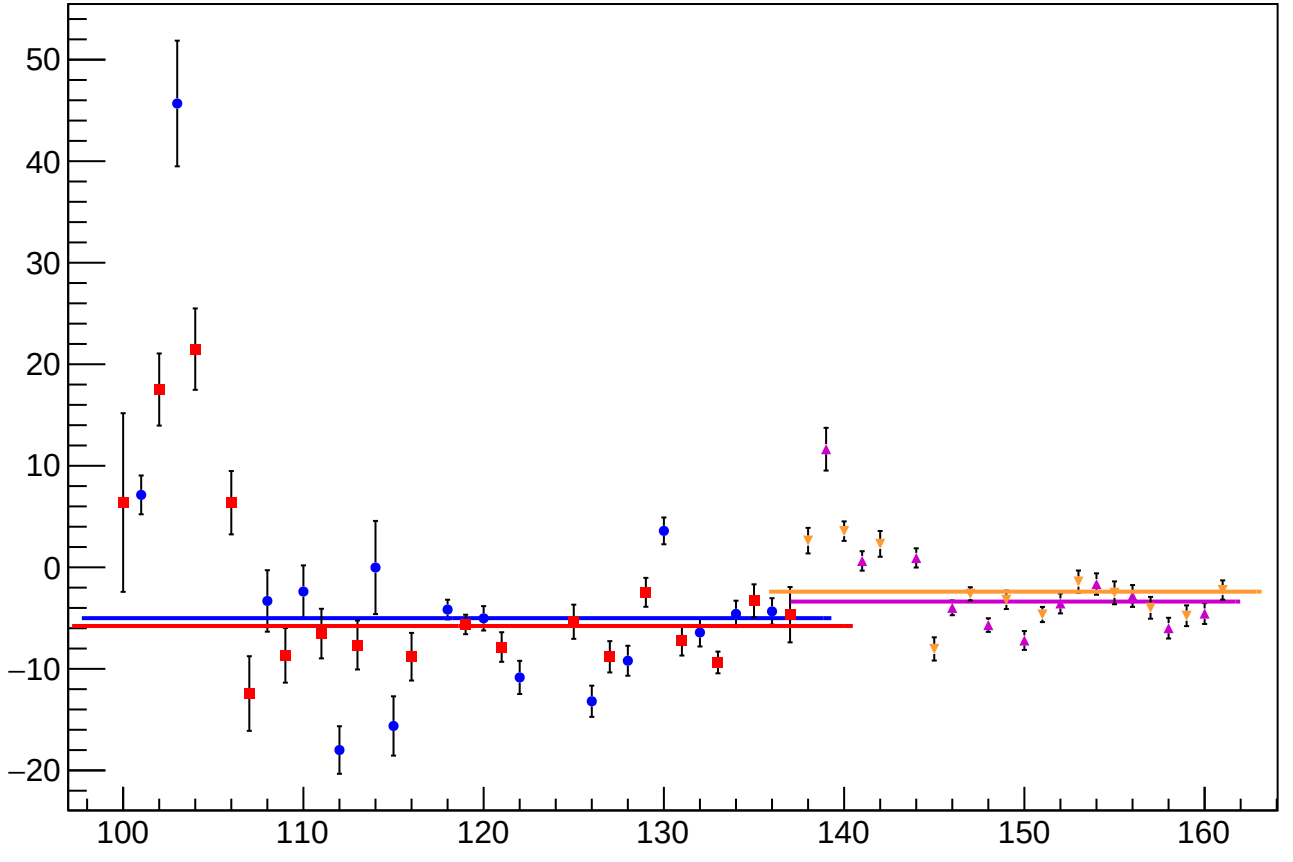
Left In: -24.276+/-0.418 χ^2/NDF:72.4/10

+ sign -21.981+/-0.288 χ^2/NDF: 1653.9/27

All: -20.485+/-0.205 χ^2/NDF: 3432.6/56

- sign -18.943+/-0.292 χ^2/NDF: 1723.9/28

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.395+/-0.277 χ^2/NDF:110.8/11

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

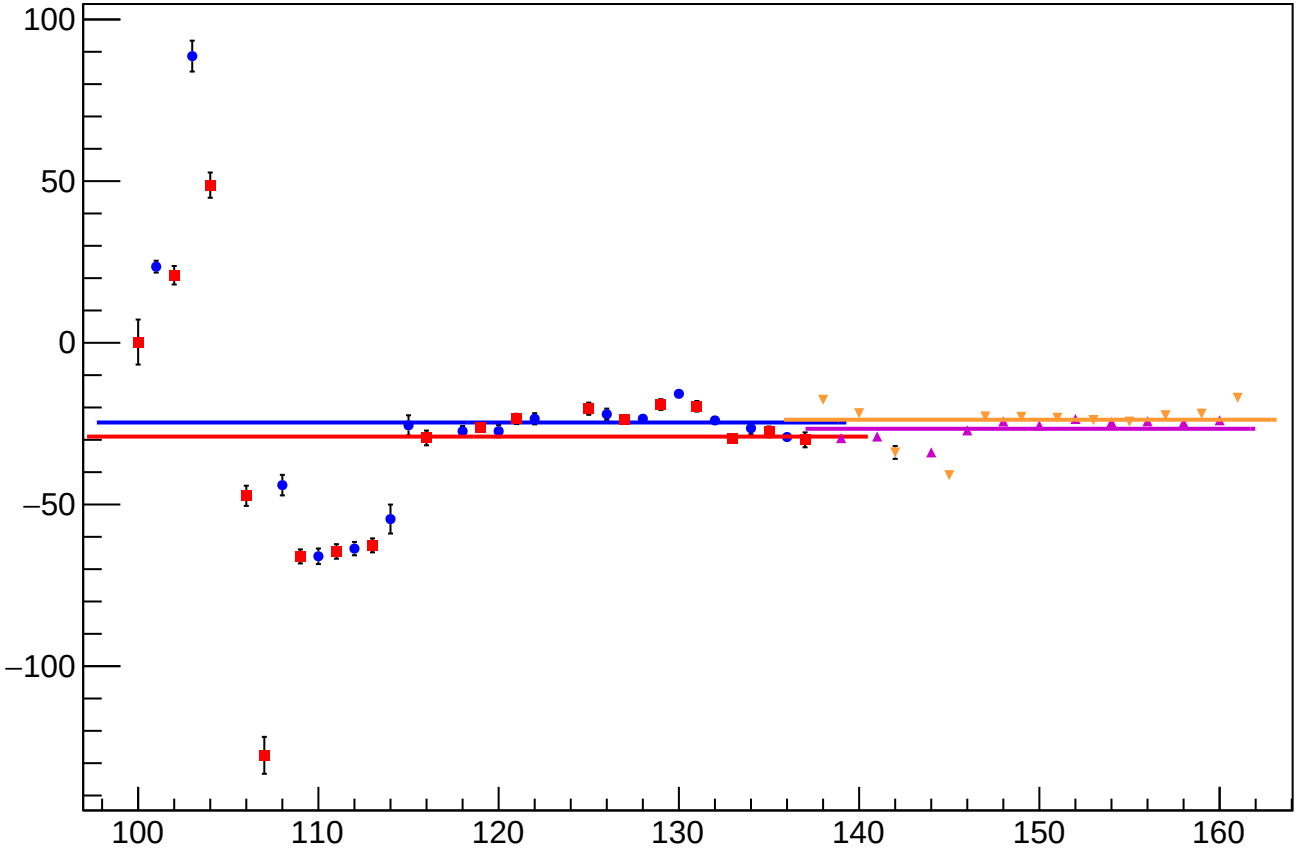
Left In: -3.374+/-0.284 χ^2/NDF:129.6/10

+ sign -3.238+/-0.228 χ^2/NDF: 387.2/27

All: -3.670+/-0.164 χ^2/NDF: 686.1/56

- sign -4.129+/-0.235 χ^2/NDF: 291.5/28

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -23.782+/-0.398 χ^2/NDF:241.0/11

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

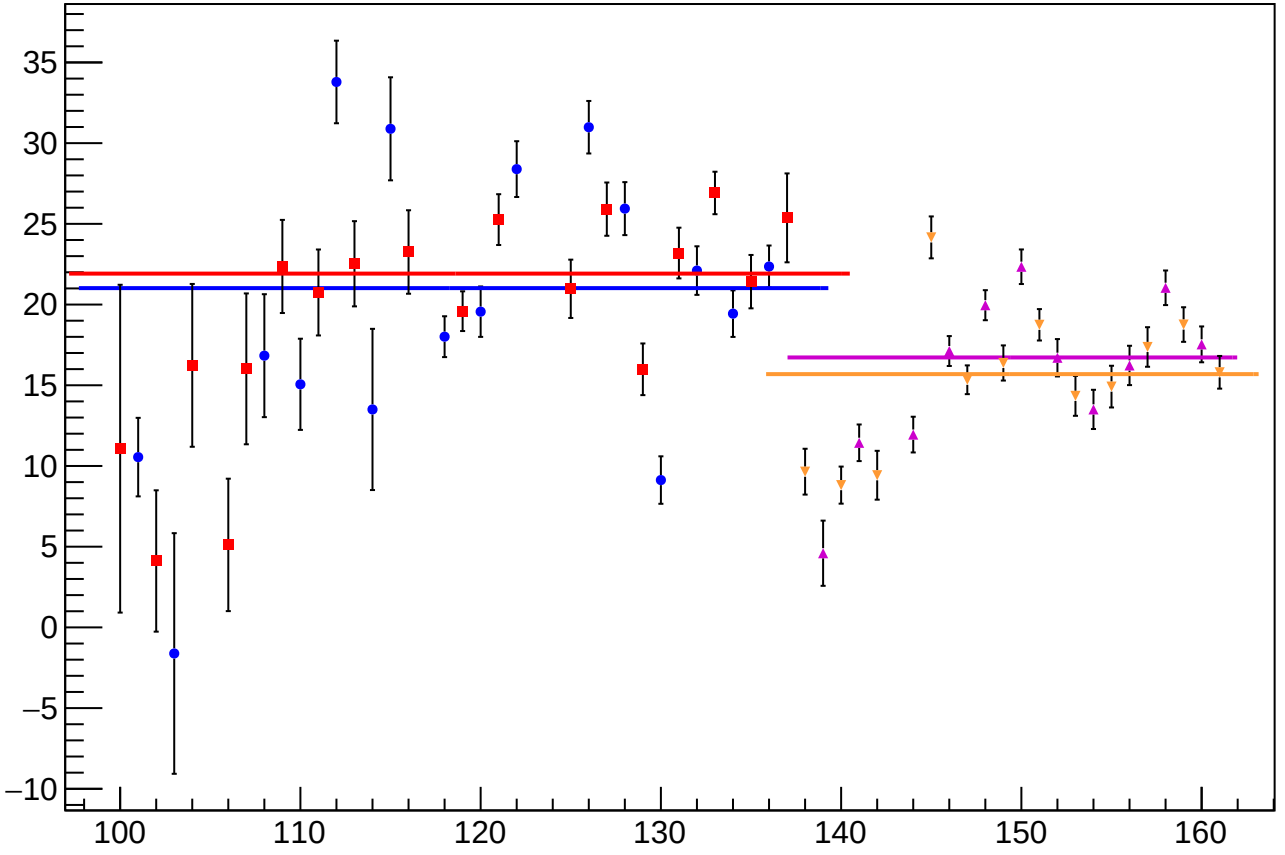
Left In: -26.588+/-0.404 χ^2/NDF:57.7/10

+ sign -24.155+/-0.300 χ^2/NDF: 2294.9/27

All: -25.832+/-0.215 χ^2/NDF: 4384.1/56

- sign -27.601+/-0.308 χ^2/NDF: 2024.9/28

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.691+/-0.330 χ^2/NDF:135.8/11

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

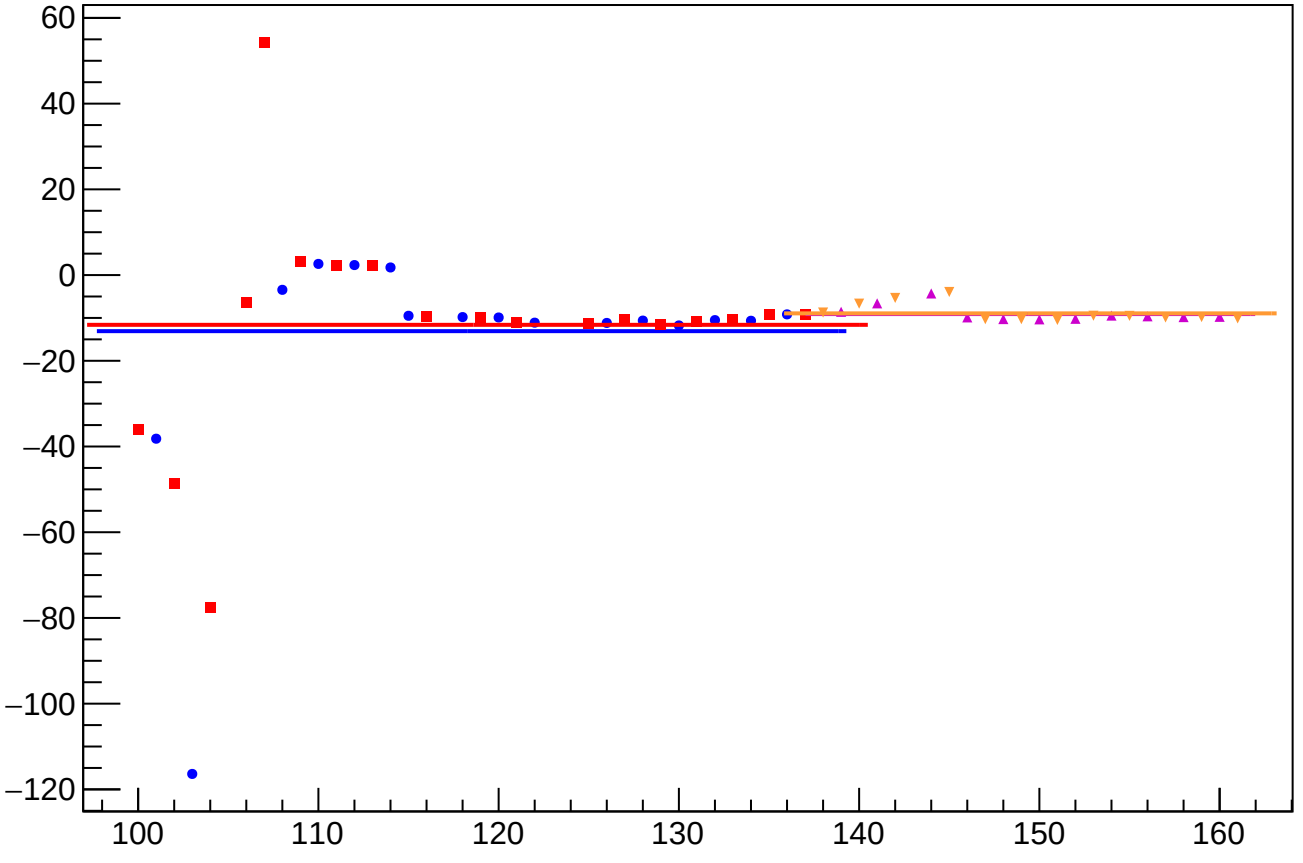
Left In: 16.723+/-0.337 χ^2/NDF:140.2/10

+ sign 17.507+/-0.268 χ^2/NDF: 434.5/27

All: 17.963+/-0.192 χ^2/NDF: 742.0/56

- sign 18.445+/-0.275 χ^2/NDF: 301.6/28

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -8.937+/-0.015 χ^2/NDF:16139.6/11

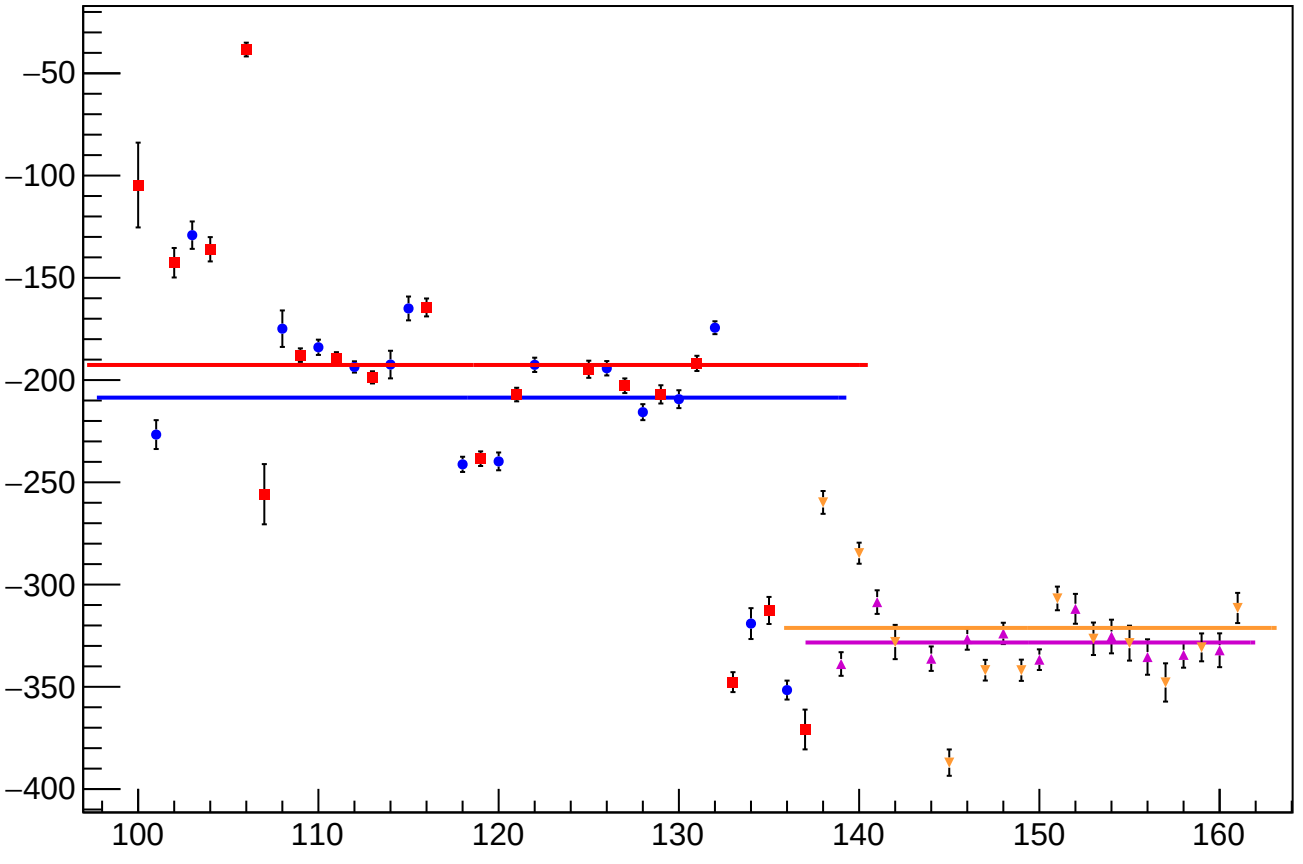
Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.099+/-0.015 χ^2/NDF:11246.1/10

+ sign -9.851+/-0.013 χ^2/NDF: 377710.7/27

All: -9.723+/-0.010 χ^2/NDF: 708649.4/56

- sign -9.588+/-0.014 χ^2/NDF: 330748.6/28



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -321.201+/-1.841 χ^2/NDF:328.3/11

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

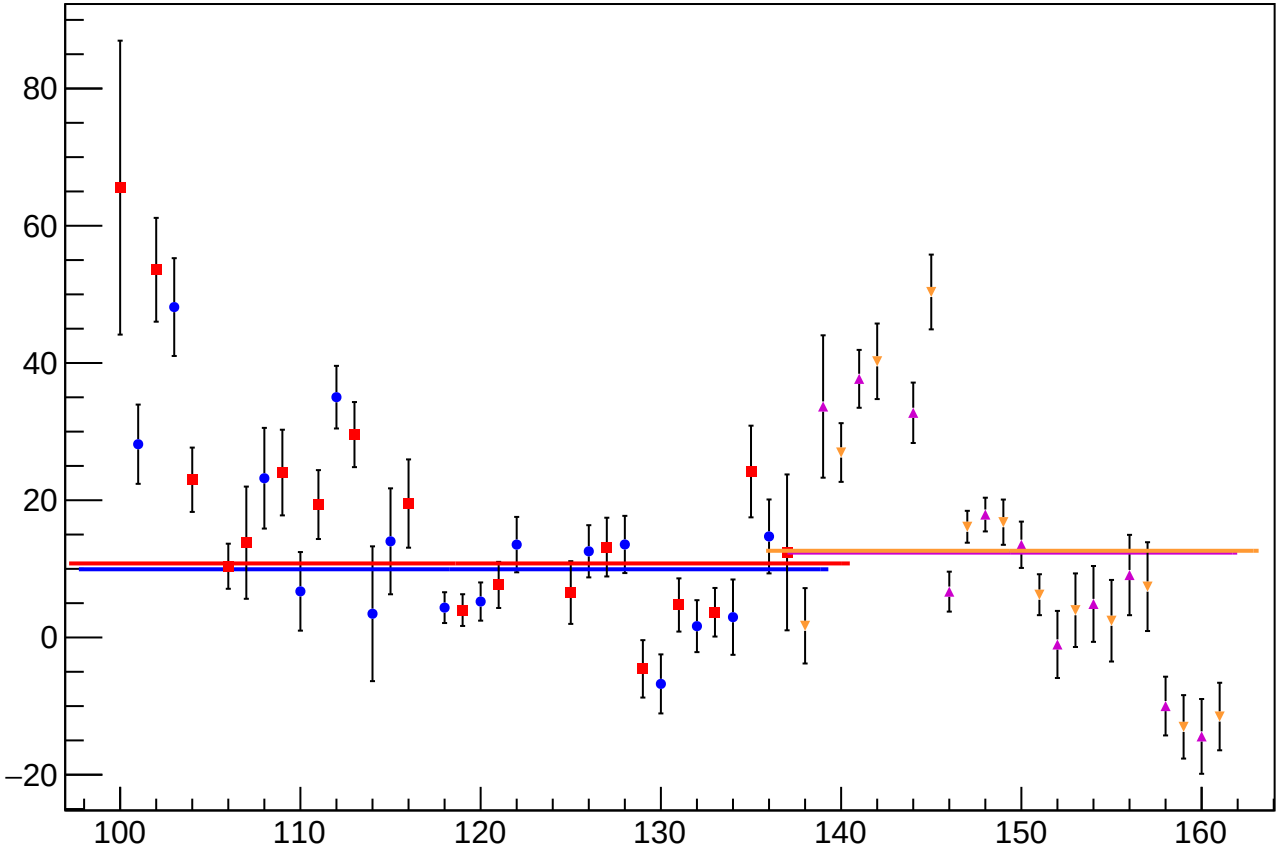
Left In: -328.327+/-1.865 χ^2/NDF:27.4/10

\+ sign -236.887+/-0.923 χ^2/NDF: 4881.5/27

All: -229.555+/-0.637 χ^2/NDF: 13353.0/56

\- sign -222.880+/-0.880 χ^2/NDF: 8350.9/28

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 12.634+/-1.179 χ^2/NDF:157.8/11

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

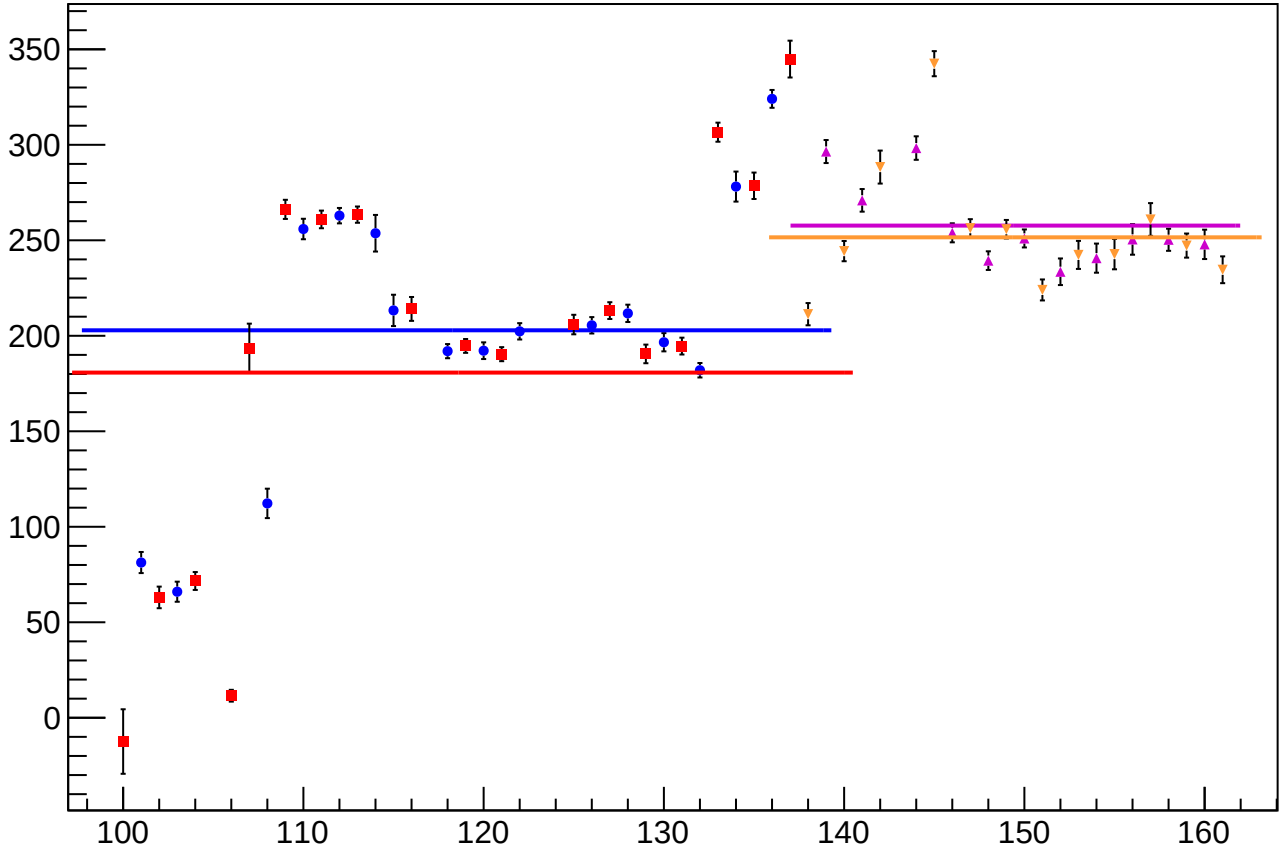
Left In: 12.365+/-1.212 χ^2/NDF:131.8/10

+ sign 11.150+/-0.791 χ^2/NDF: 267.3/27

All: 11.305+/-0.559 χ^2/NDF: 505.2/56

- sign 11.460+/-0.791 χ^2/NDF: 237.9/28

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 251.556+/-1.780 χ^2/NDF:296.3/11

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

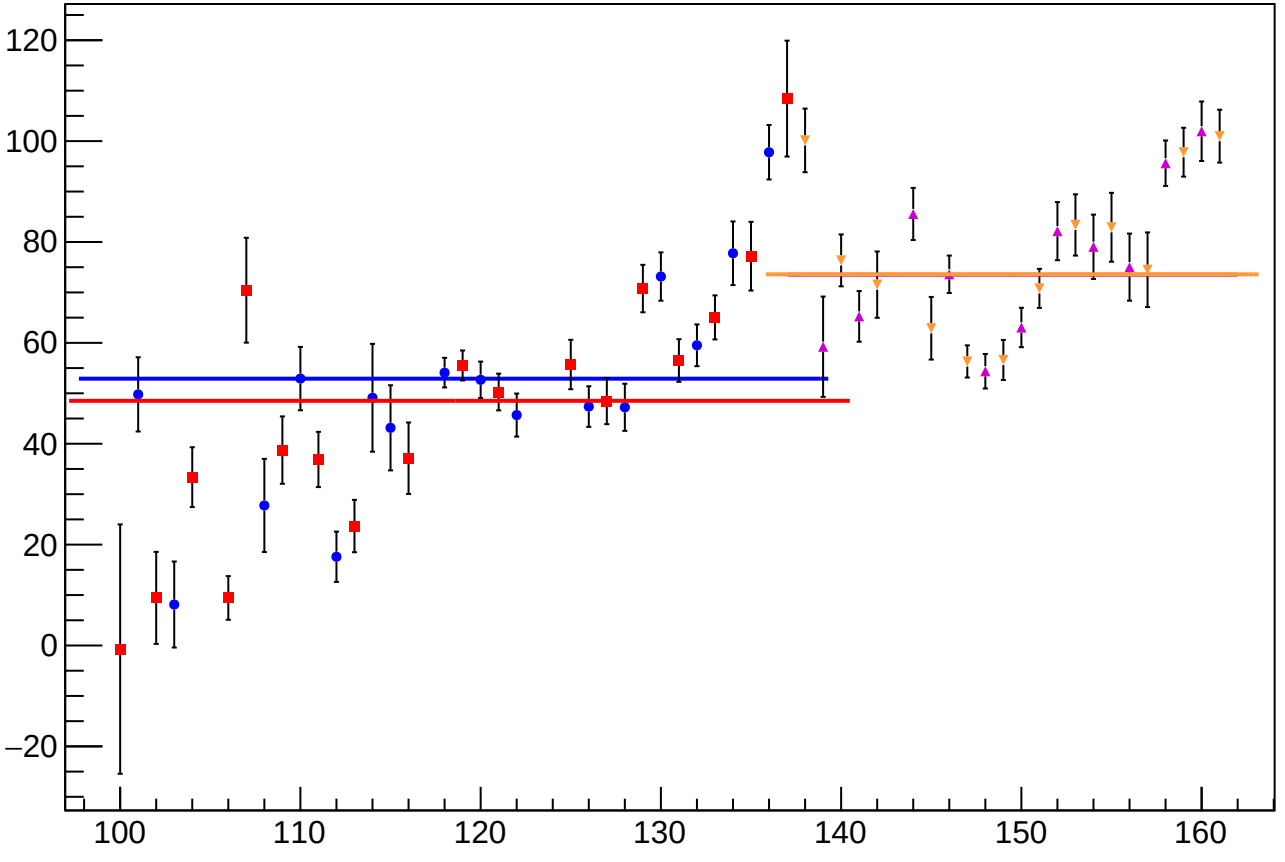
Left In: 257.699+/-1.796 χ^2/NDF:127.8/10

+ sign 218.531+/-1.009 χ^2/NDF: 3268.0/27

All: 210.377+/-0.697 χ^2/NDF: 11174.9/56

- sign 202.930+/-0.965 χ^2/NDF: 7782.1/28

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 73.585+/-1.434 χ^2/NDF:126.0/11

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

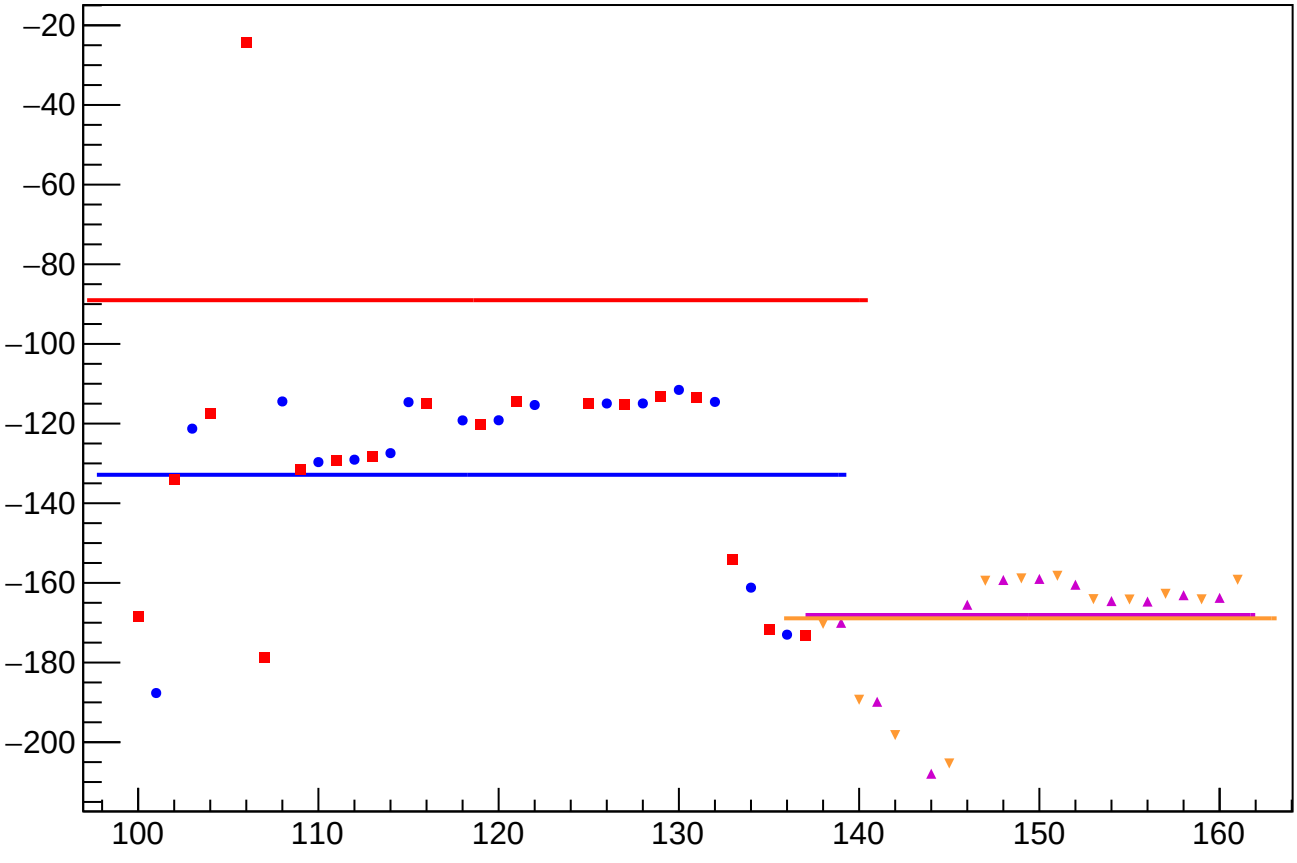
Left In: 73.513+/-1.464 χ^2/NDF:99.1/10

+ sign 61.762+/-0.939 χ^2/NDF: 443.3/27

All: 60.224+/-0.662 χ^2/NDF: 960.5/56

- sign 58.698+/-0.935 χ^2/NDF: 511.9/28

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -168.897+/-0.070 χ^2/NDF:43973.6/11

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

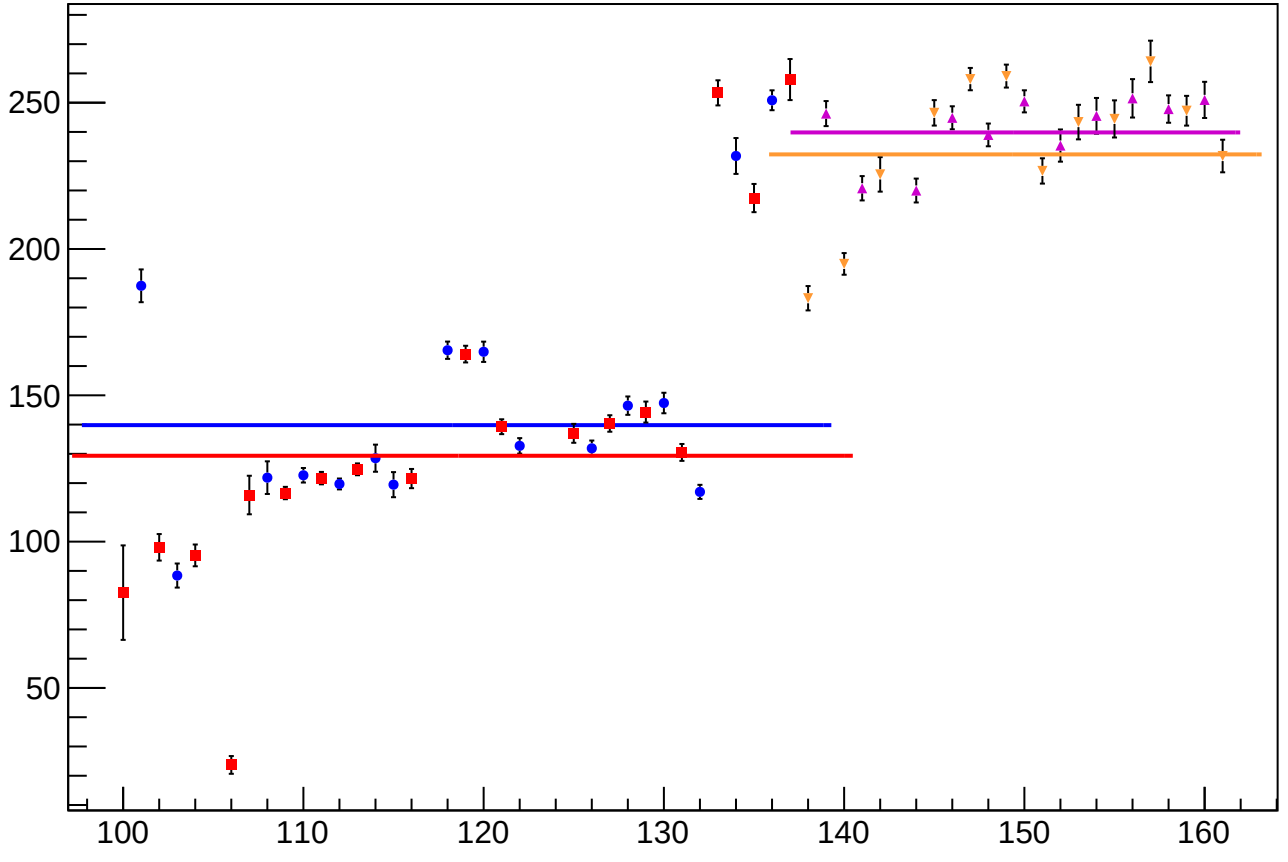
Left In: -168.060+/-0.069 χ^2/NDF:35507.7/10

+ sign -153.677+/-0.053 χ^2/NDF: 250855.3/27

All: -138.062+/-0.035 χ^2/NDF: 1875532.6/56

- sign -125.748+/-0.047 χ^2/NDF: 1468644.4/28

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 232.327+/-1.356 χ^2/NDF:383.5/11

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

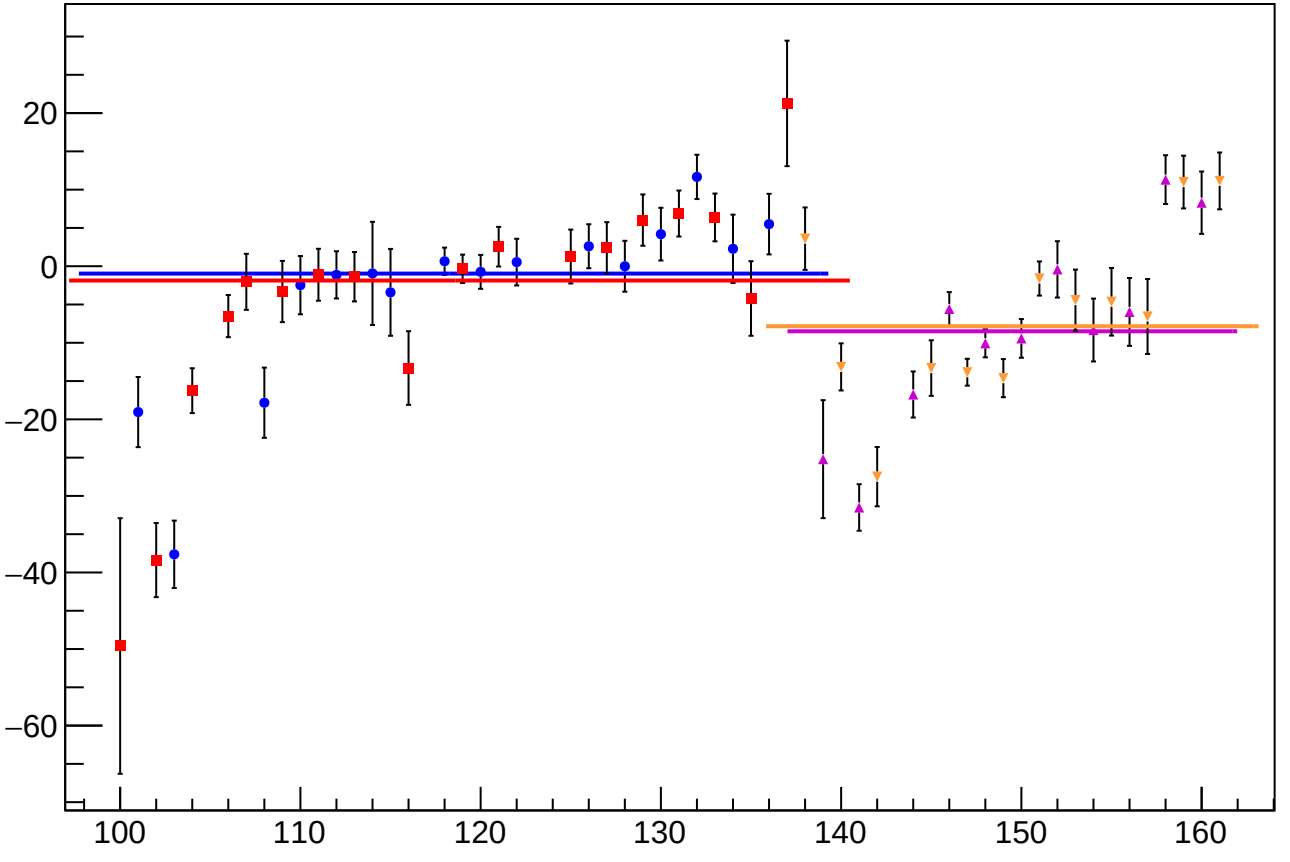
Left In: 239.830+/-1.376 χ^2/NDF:67.4/10

+ sign 163.023+/-0.679 χ^2/NDF: 5837.4/27

All: 158.216+/-0.469 χ^2/NDF: 14144.4/56

- sign 153.841+/-0.648 χ^2/NDF: 8211.3/28

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -7.839+/-0.874 χ^2/NDF:123.2/11

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

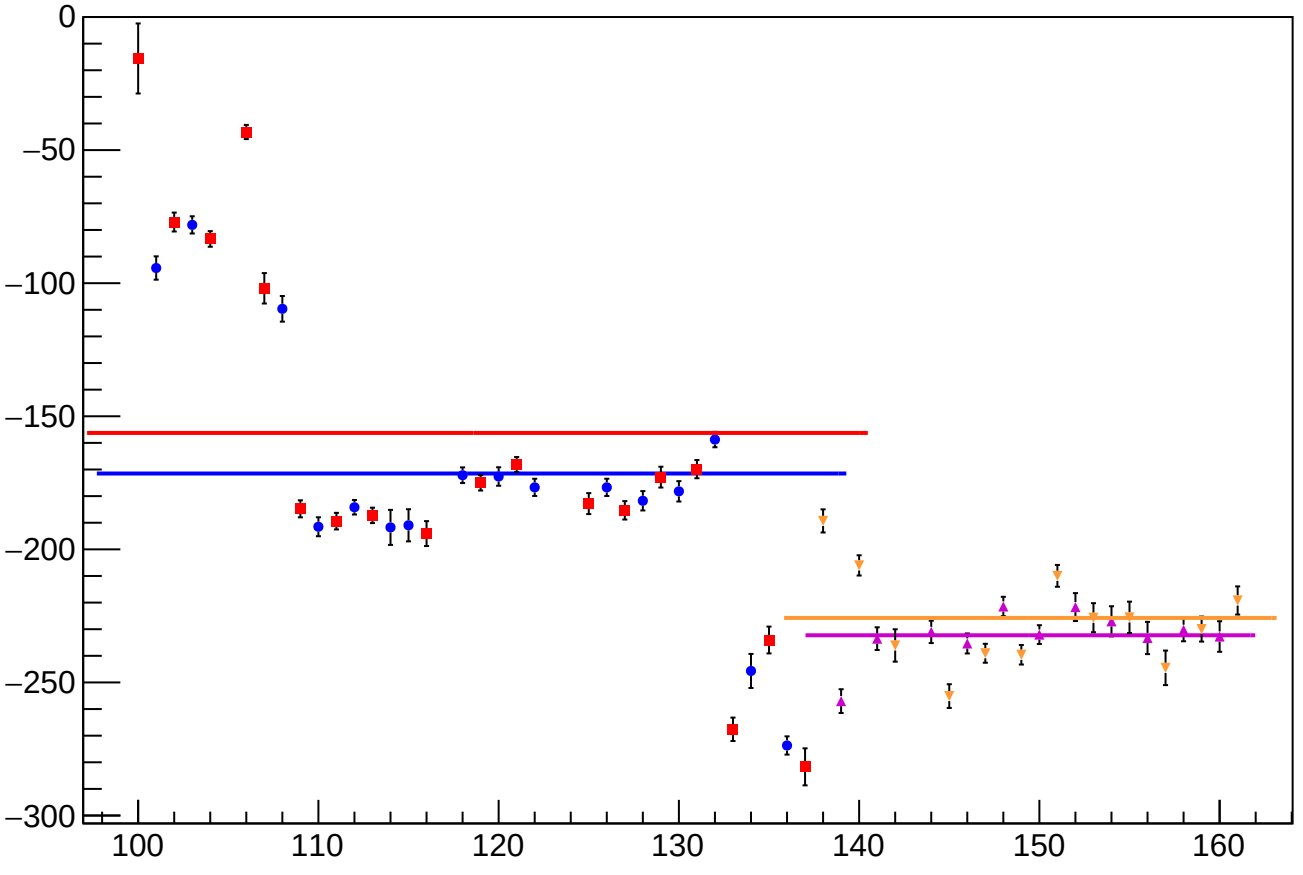
Left In: -8.500+/-0.898 χ^2/NDF:133.0/10

+ sign -4.133+/-0.593 χ^2/NDF: 282.6/27

All: -4.435+/-0.419 χ^2/NDF: 580.3/56

- sign -4.735+/-0.590 χ^2/NDF: 297.1/28

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -225.757+/-1.314 χ^2/NDF:197.4/11

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

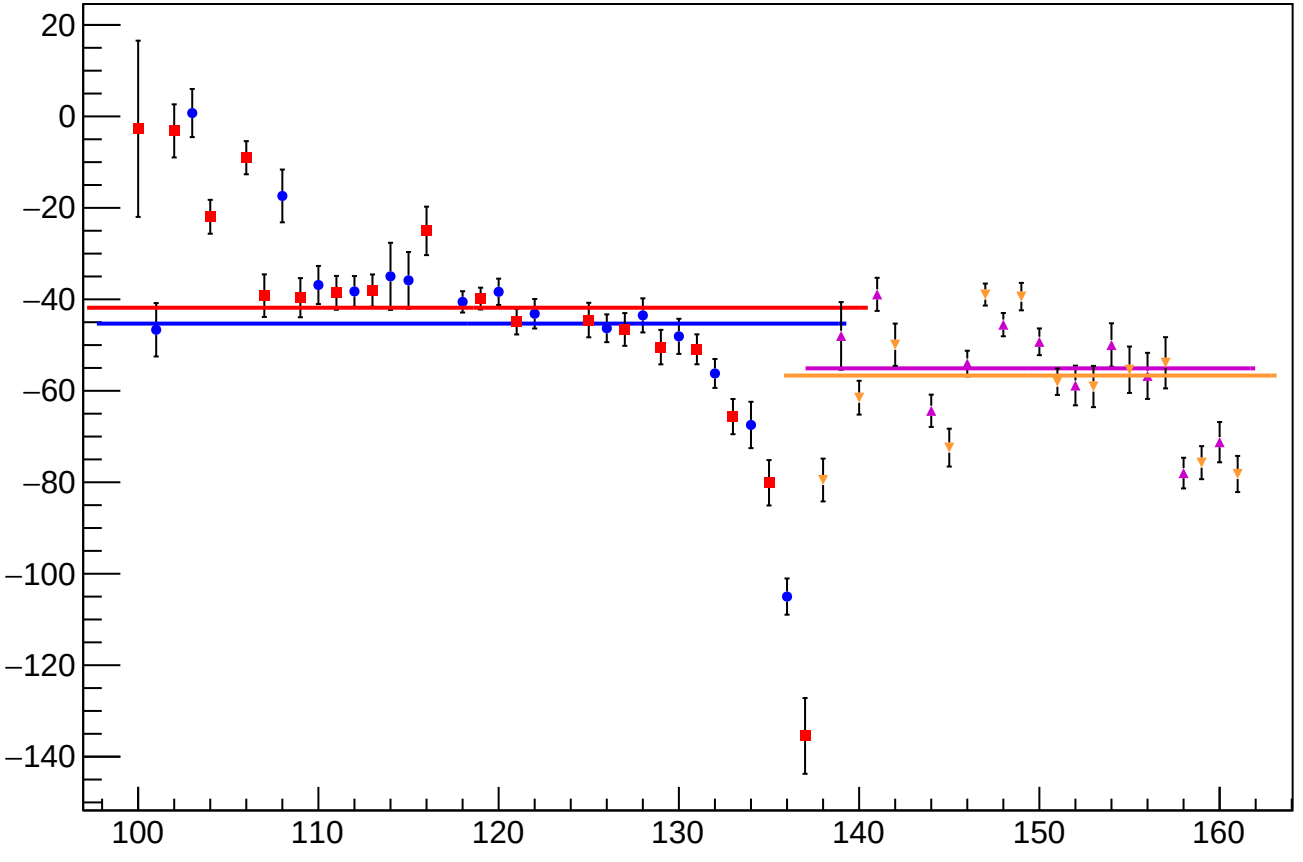
Left In: -232.282+/-1.328 χ^2/NDF:45.6/10

\+ sign -189.009+/-0.746 χ^2/NDF: 3795.0/27

All: -183.400+/-0.516 χ^2/NDF: 11182.8/56

\- sign -178.262+/-0.714 χ^2/NDF: 7279.6/28

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -56.660+/-1.061 χ^2/NDF:187.8/11

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

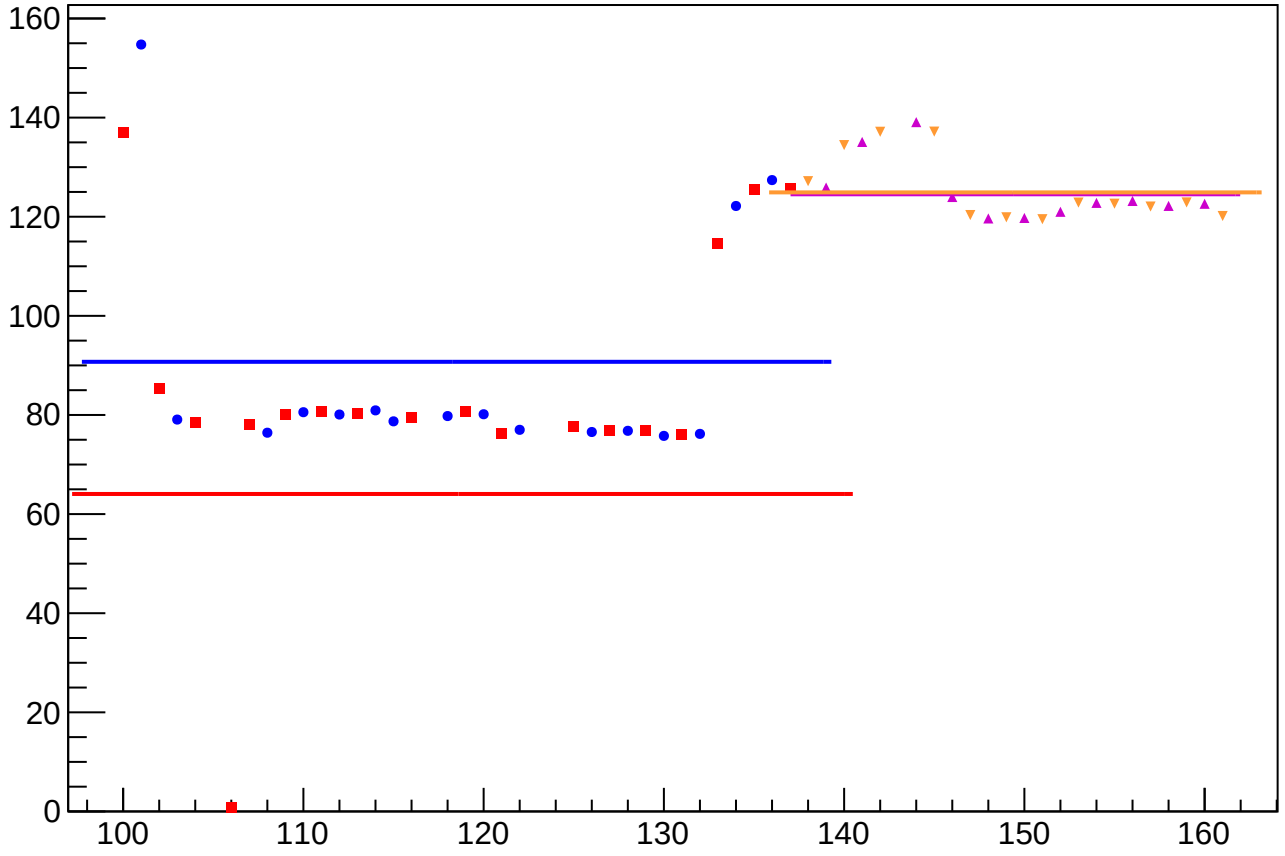
Left In: -55.087+/-1.084 χ^2/NDF:108.1/10

\+ sign -50.282+/-0.703 χ^2/NDF: 634.1/27

All: -48.781+/-0.495 χ^2/NDF: 1253.3/56

\- sign -47.306+/-0.697 χ^2/NDF: 610.1/28

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 124.911+/-0.051 χ^2/NDF:14800.3/11

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

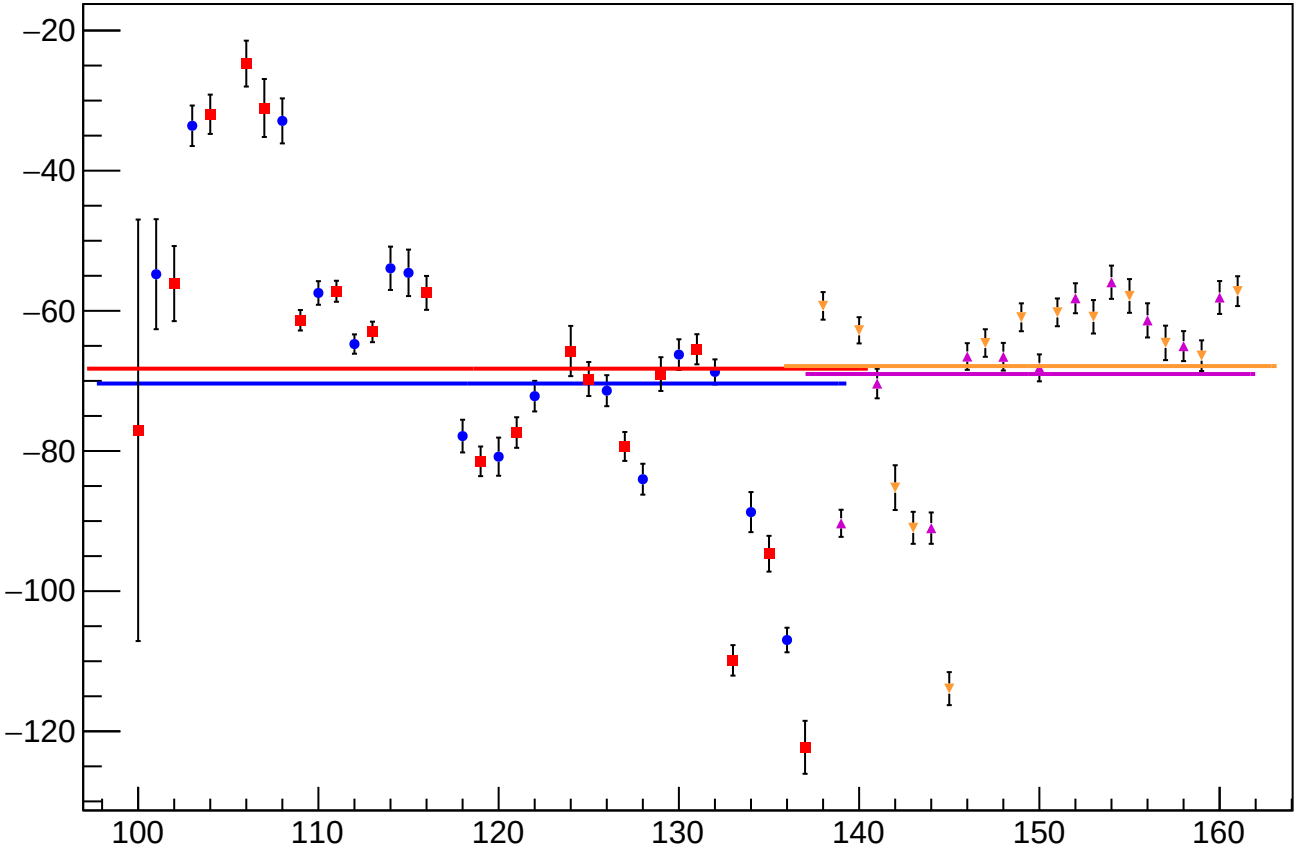
Left In: 124.527+/-0.051 χ^2/NDF:12750.4/10

\+ sign 110.005+/-0.039 χ^2/NDF: 368645.3/27

All: 100.911+/-0.026 χ^2/NDF: 1870776.4/56

\- sign 93.245+/-0.035 χ^2/NDF: 1399932.5/28

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -67.883+/-0.606 χ^2/NDF:623.4/12

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

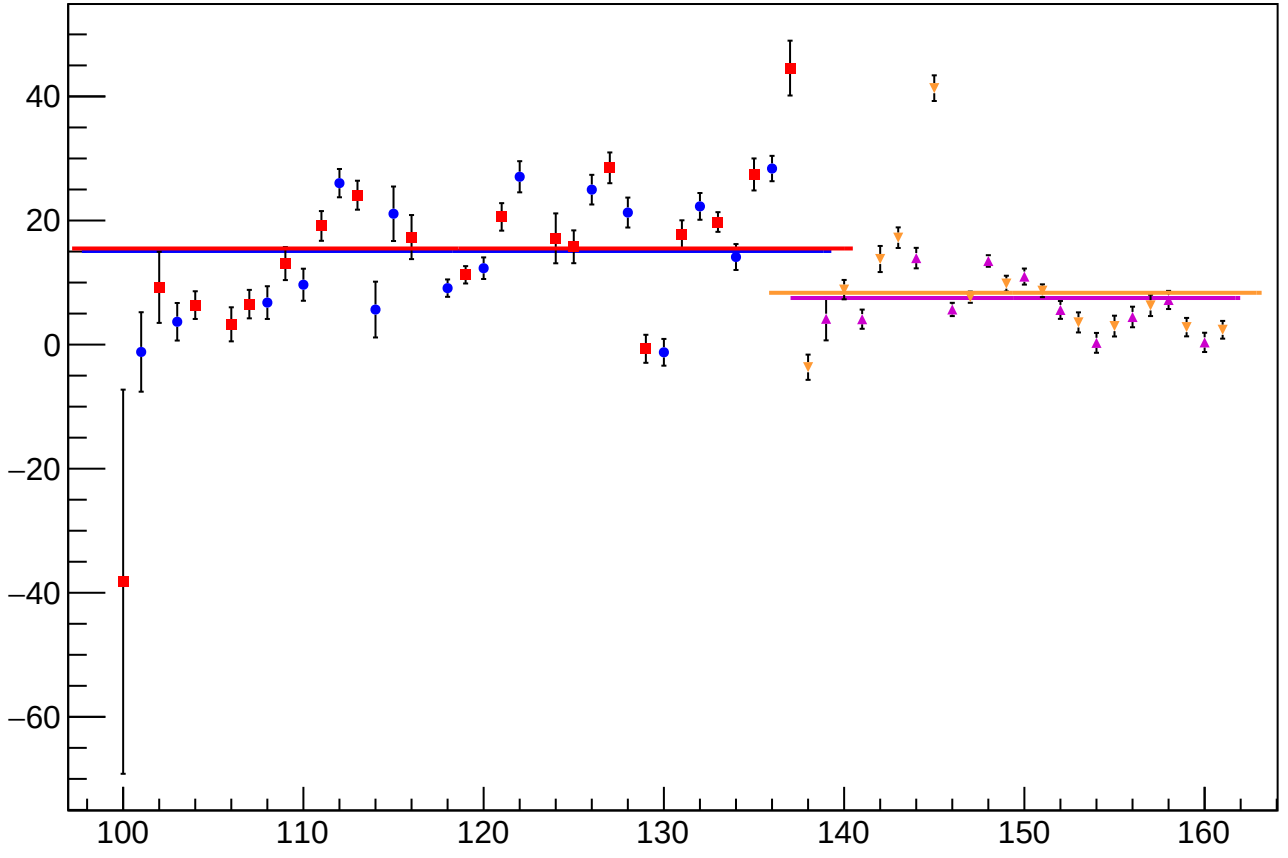
Left In: -69.017+/-0.638 χ^2/NDF:312.6/10

\+ sign -69.232+/-0.410 χ^2/NDF: 1607.4/28

All: -68.893+/-0.289 χ^2/NDF: 3228.2/58

\- sign -68.562+/-0.406 χ^2/NDF: 1619.4/29

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 8.351+/-0.399 χ^2/NDF:378.1/12

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

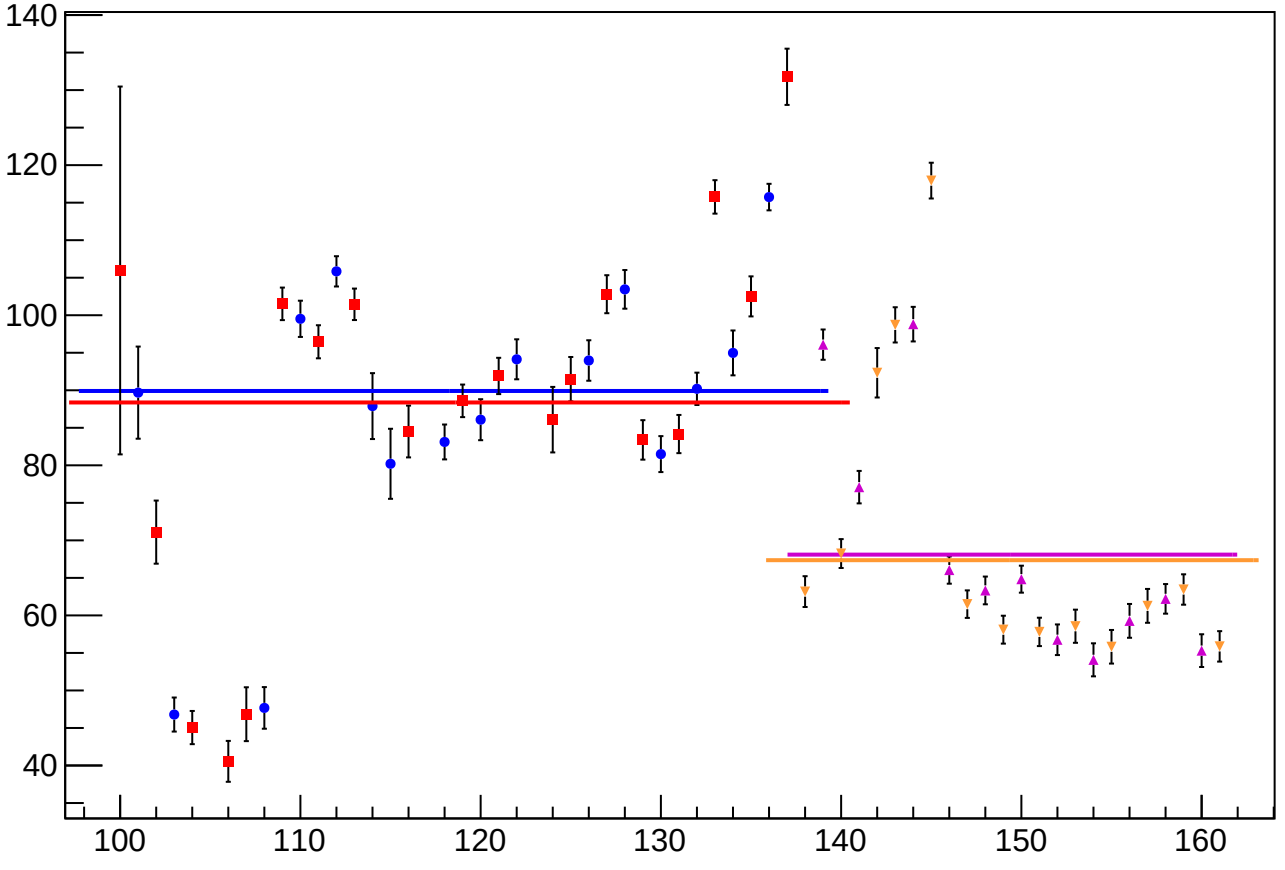
Left In: 7.509+/-0.422 χ^2/NDF:118.8/10

+ sign 10.514+/-0.329 χ^2/NDF: 712.0/28

All: 10.466+/-0.235 χ^2/NDF: 1200.1/58

- sign 10.415+/-0.337 χ^2/NDF: 488.1/29

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 67.359+/-0.586 χ^2/NDF:836.4/12

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

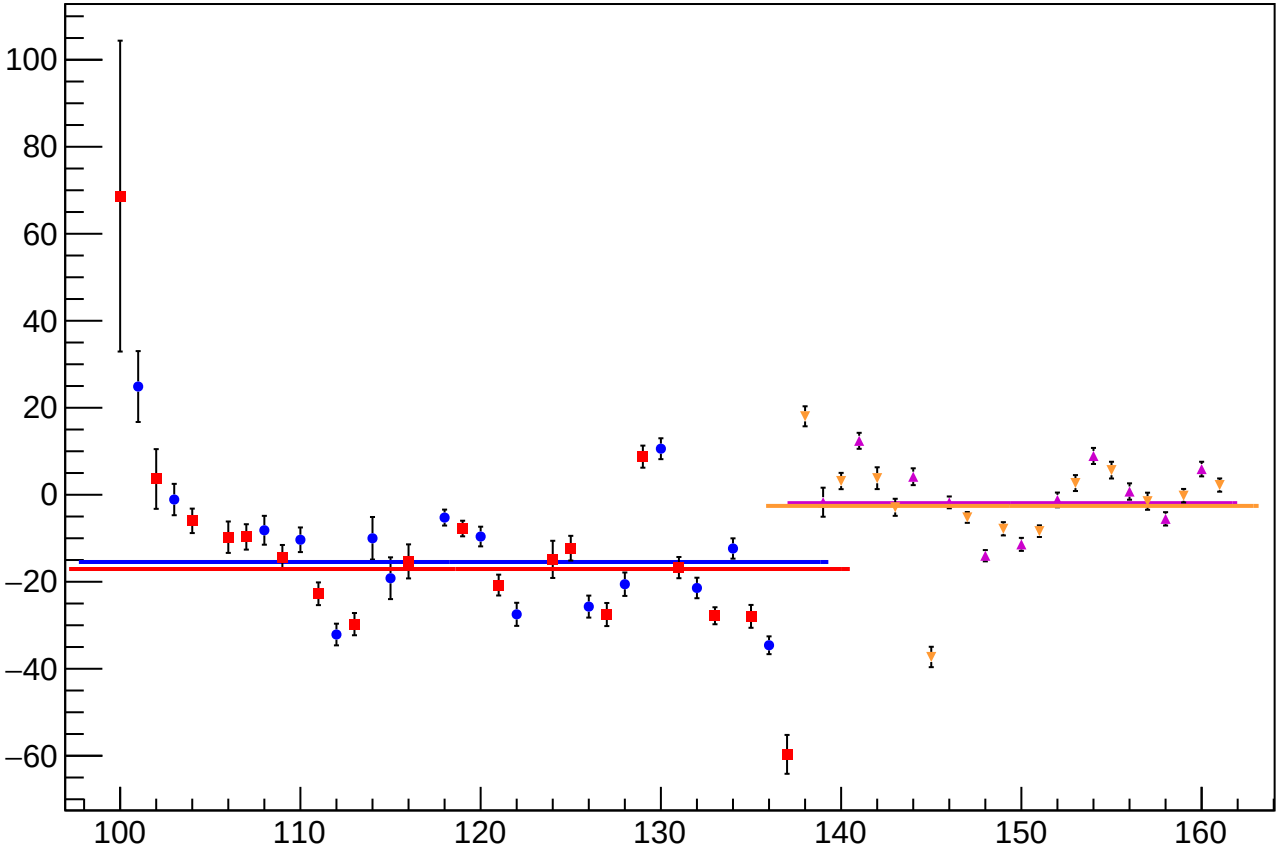
Left In: 68.100+/-0.613 χ^2/NDF:528.7/10

\+ sign 77.632+/-0.432 χ^2/NDF: 2458.4/28

All: 77.896+/-0.307 χ^2/NDF: 4819.8/58

\- sign 78.164+/-0.435 χ^2/NDF: 2360.6/29

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -2.560+/-0.478 χ^2/NDF:390.0/12

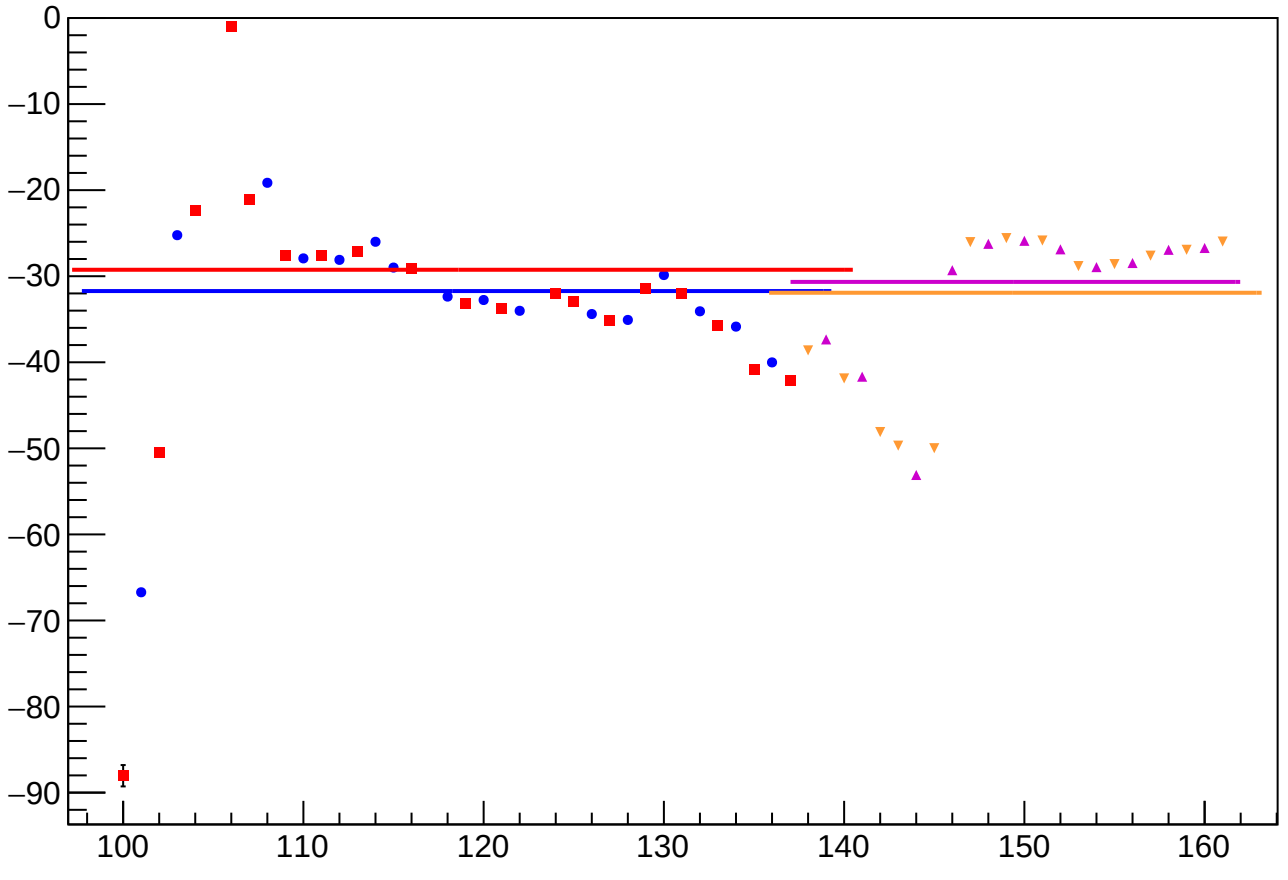
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -1.928+/-0.504 χ^2/NDF:261.7/10

\+ sign -6.945+/-0.388 χ^2/NDF: 1024.3/28

All: -7.306+/-0.277 χ^2/NDF: 1991.6/58

\- sign -7.683+/-0.397 χ^2/NDF: 965.5/29



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -31.922+/-0.022 χ^2/NDF:142510.7/12

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

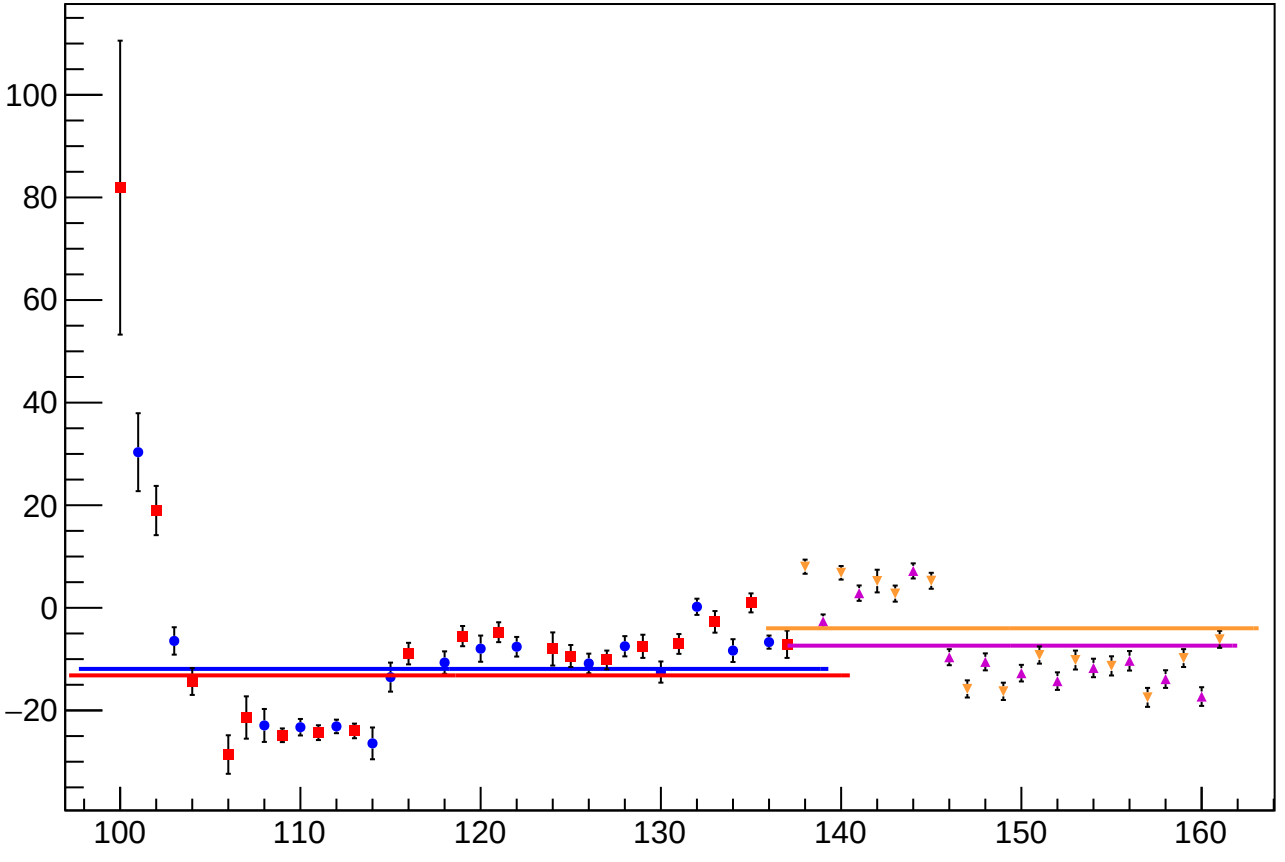
Left In: -30.660+/-0.023 χ^2/NDF:89171.0/10

+ sign -31.872+/-0.019 χ^2/NDF: 182166.9/28

All: -31.096+/-0.014 χ^2/NDF: 370848.6/58

- sign -30.288+/-0.020 χ^2/NDF: 185397.6/29

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -3.988+/-0.459 χ^2/NDF:418.8/12

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

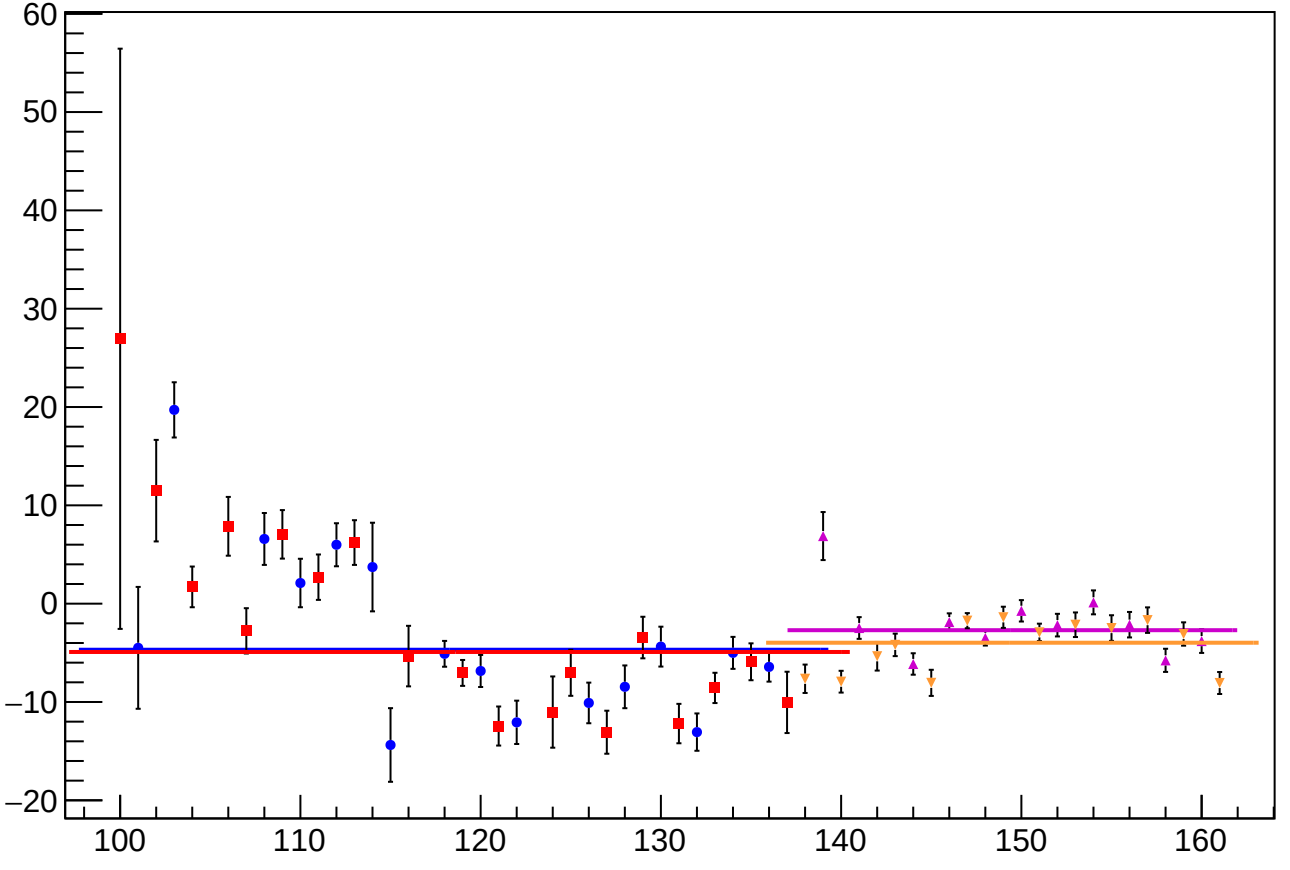
Left In: -7.373+/-0.490 χ^2/NDF:241.5/10

+ sign -7.636+/-0.337 χ^2/NDF: 837.9/28

All: -8.959+/-0.240 χ^2/NDF: 1603.8/58

- sign -10.328+/-0.343 χ^2/NDF: 734.5/29

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -3.973+/-0.312 χ^2/NDF:65.9/12

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

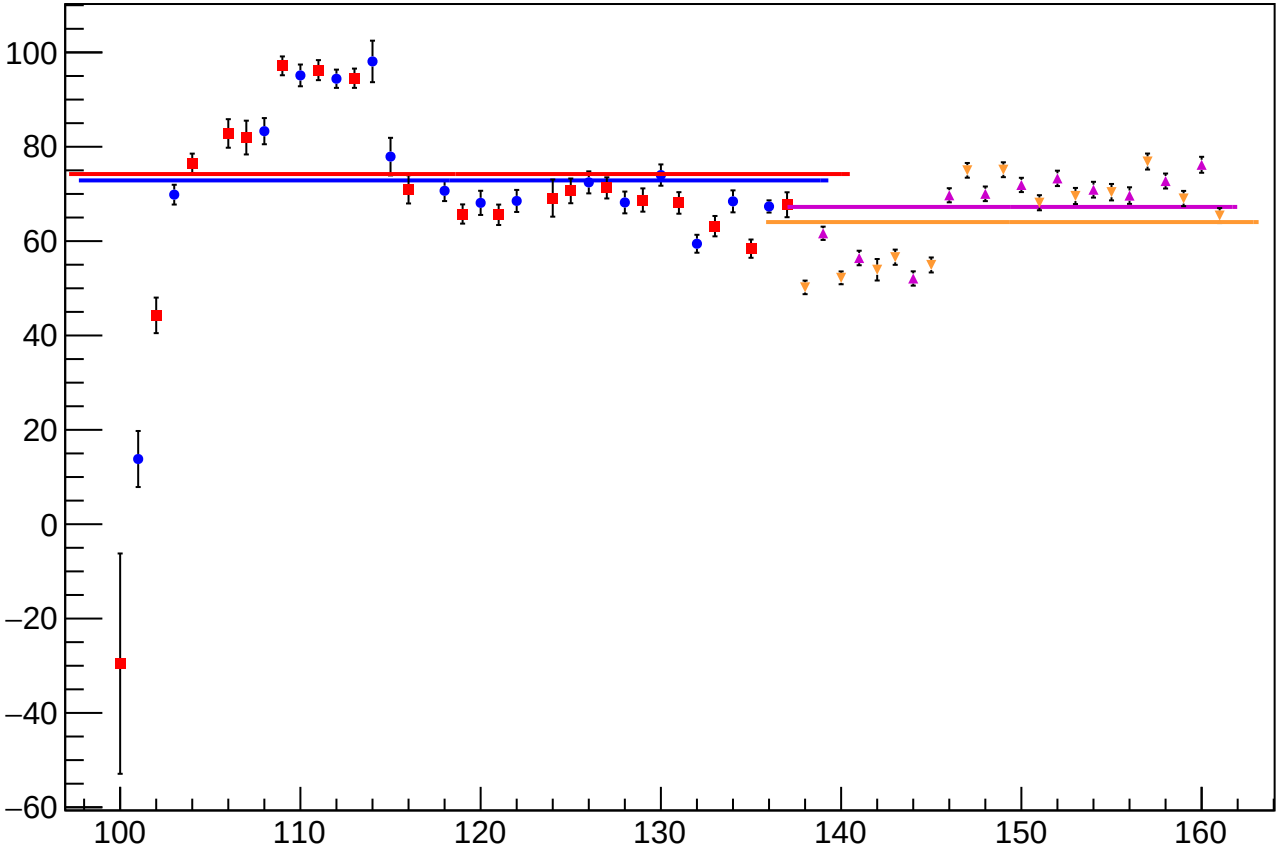
Left In: -2.698+/-0.333 χ^2/NDF:43.9/10

+ sign -4.163+/-0.267 χ^2/NDF: 246.3/28

All: -3.777+/-0.193 χ^2/NDF: 463.6/58

- sign -3.355+/-0.279 χ^2/NDF: 212.9/29

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 64.039+/-0.447 χ^2/NDF:437.9/12

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

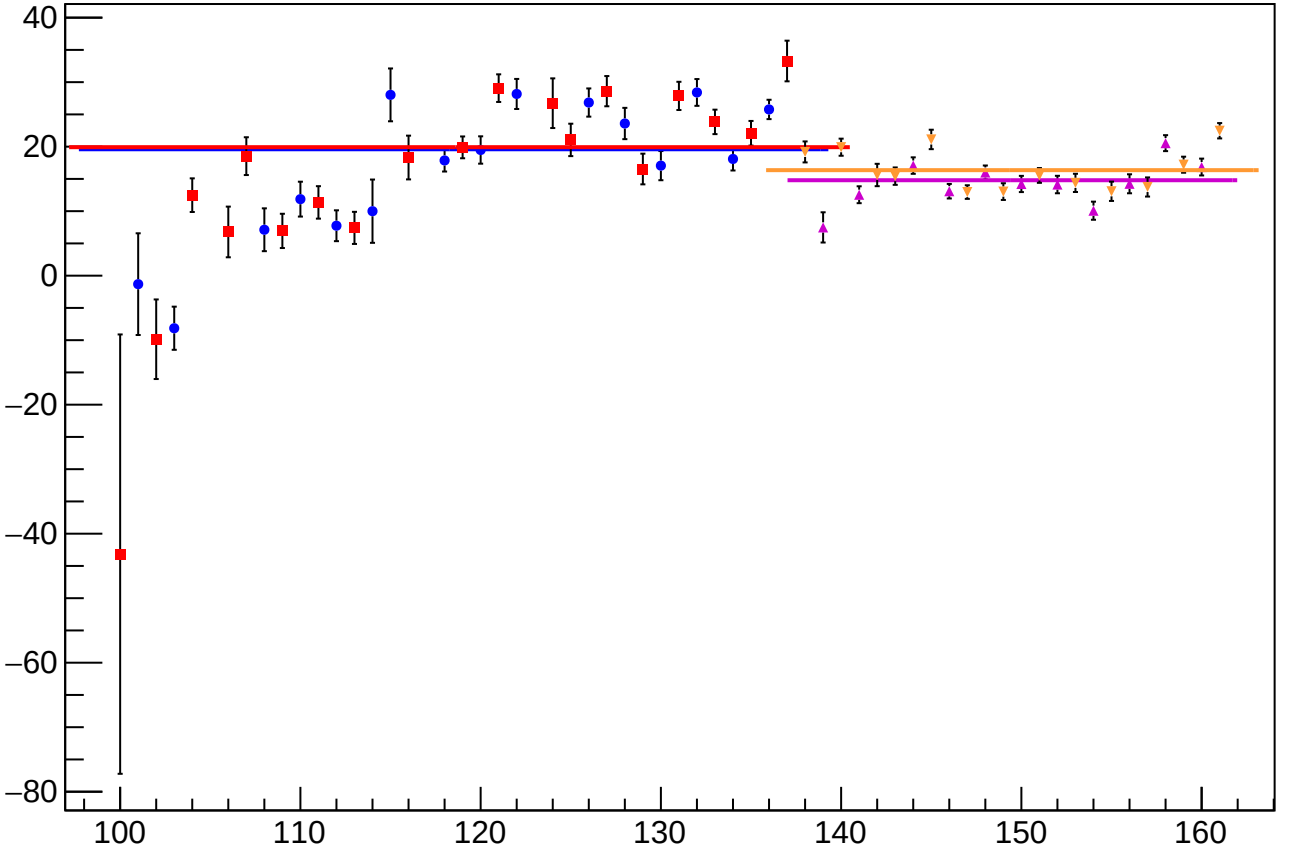
Left In: 67.247+/-0.473 χ^2/NDF:240.5/10

+ sign 67.438+/-0.351 χ^2/NDF: 1038.6/28

All: 68.745+/-0.252 χ^2/NDF: 1983.9/58

- sign 70.138+/-0.362 χ^2/NDF: 916.7/29

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.357+/-0.371 χ^2/NDF:75.0/12

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

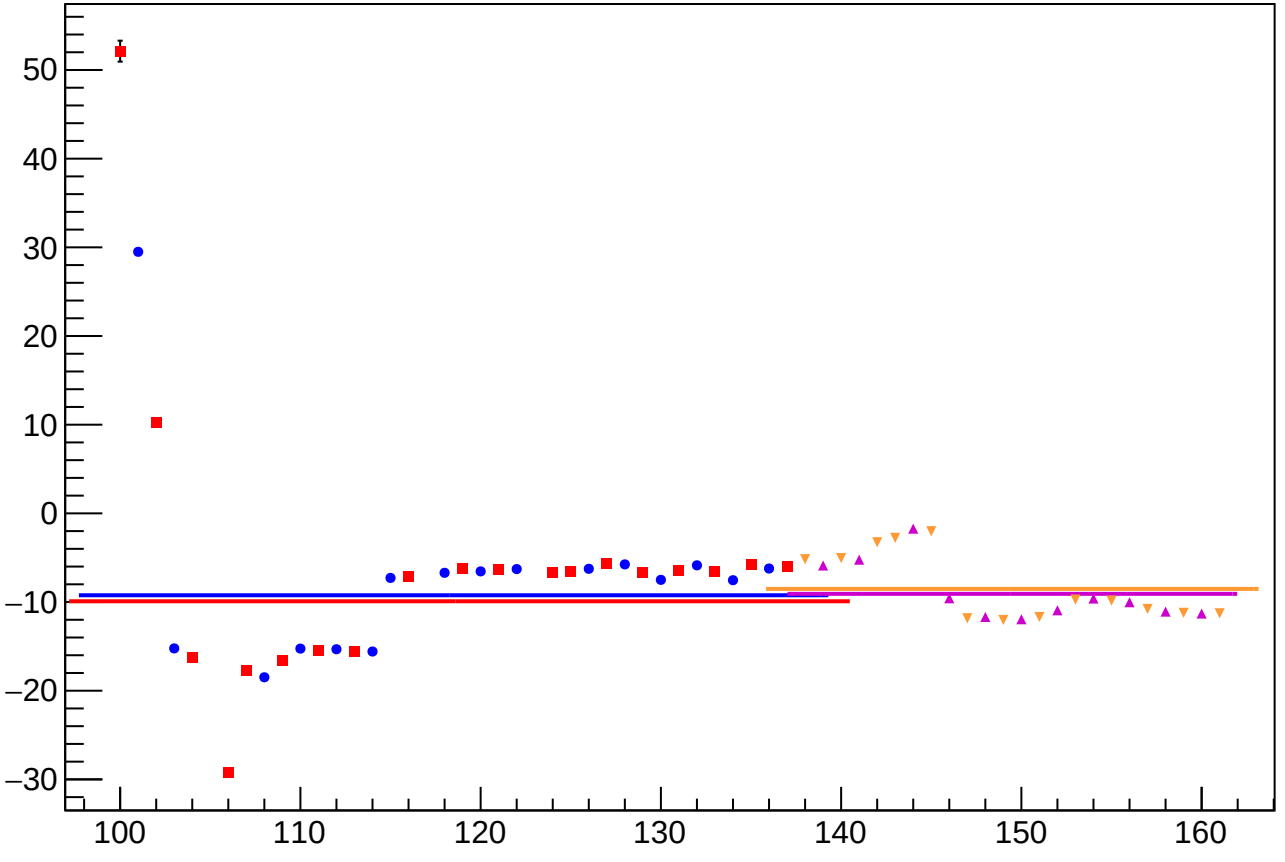
Left In: 14.796+/-0.395 χ^2/NDF:55.4/10

+ sign 17.285+/-0.313 χ^2/NDF: 292.9/28

All: 16.862+/-0.226 χ^2/NDF: 586.0/58

- sign 16.400+/-0.328 χ^2/NDF: 289.3/29

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -8.518+/-0.017 χ^2/NDF:43206.5/12

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

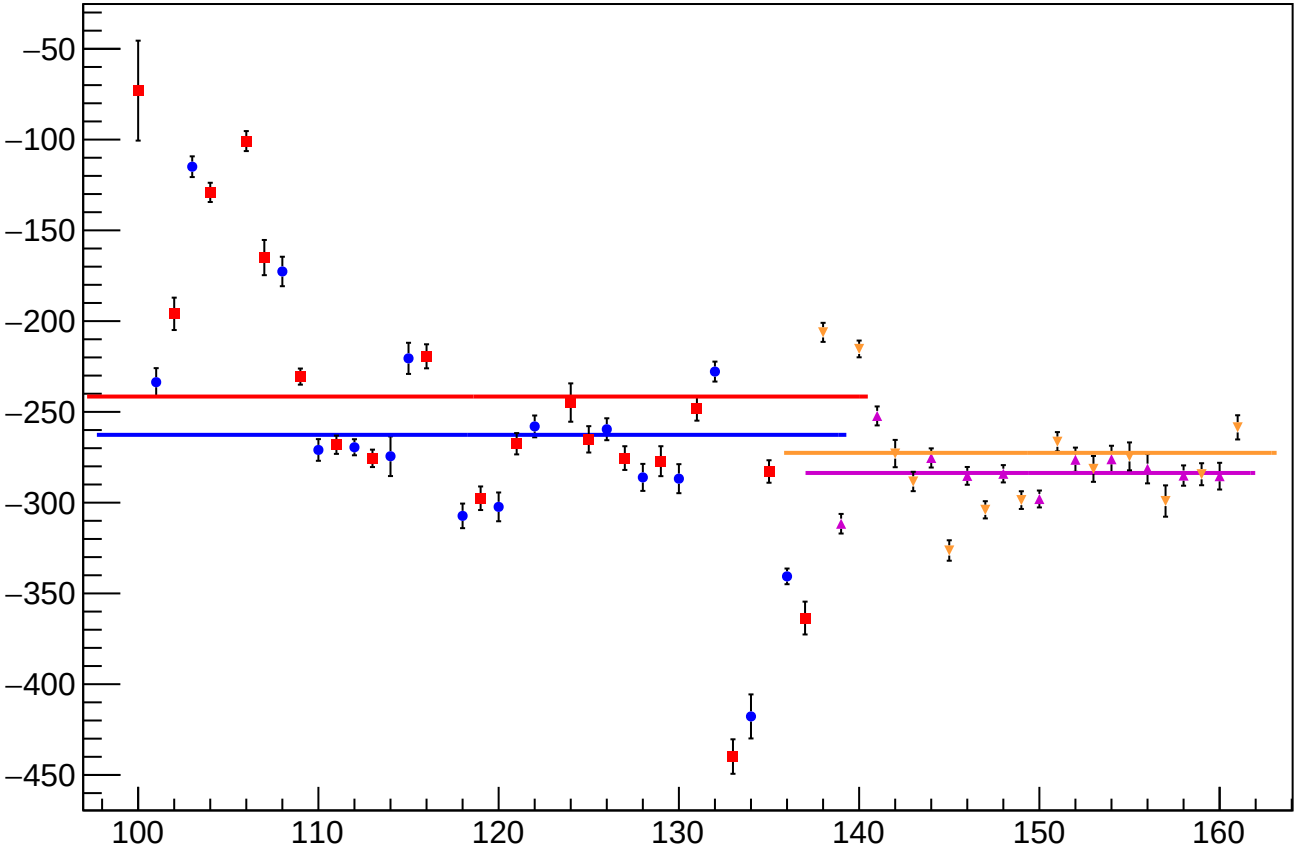
Left In: -9.075+/-0.018 χ^2/NDF:27596.8/10

+ sign -8.670+/-0.015 χ^2/NDF: 74741.0/28

All: -8.949+/-0.011 χ^2/NDF: 157372.8/58

- sign -9.252+/-0.016 χ^2/NDF: 81927.0/29

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -272.567+/-1.602 χ^2/NDF:506.8/12

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

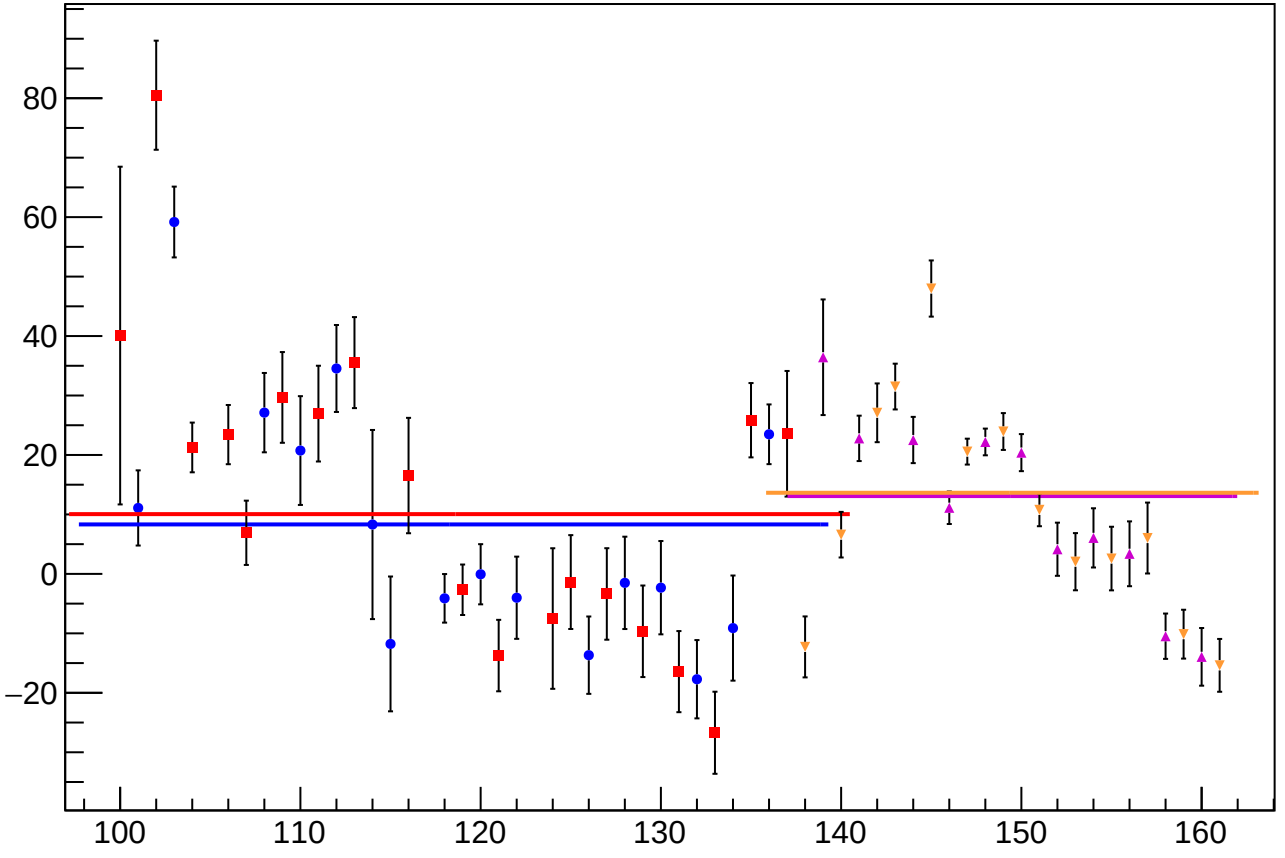
Left In: -283.641+/-1.703 χ^2/NDF:77.5/10

+ sign -267.640+/-1.137 χ^2/NDF: 1980.2/28

All: -263.801+/-0.801 χ^2/NDF: 4561.7/58

- sign -260.023+/-1.128 χ^2/NDF: 2558.9/29

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 13.644+/-1.041 χ^2/NDF:220.9/12

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

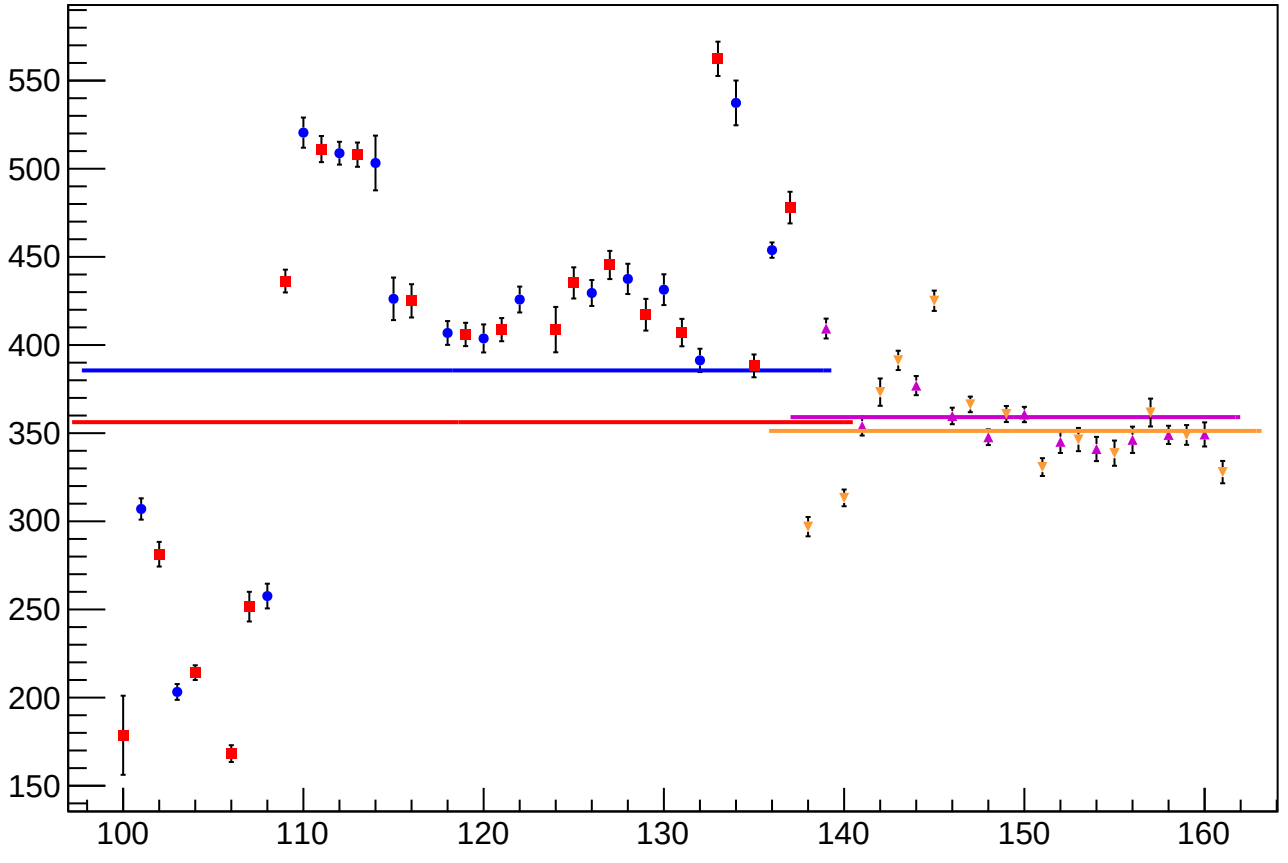
Left In: 13.088+/-1.107 χ^2/NDF:119.0/10

\+ sign 12.120+/-0.880 χ^2/NDF: 386.0/28

All: 12.087+/-0.629 χ^2/NDF: 695.0/58

\- sign 12.052+/-0.899 χ^2/NDF: 309.0/29

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 351.285+/-1.559 χ^2/NDF:440.0/12

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

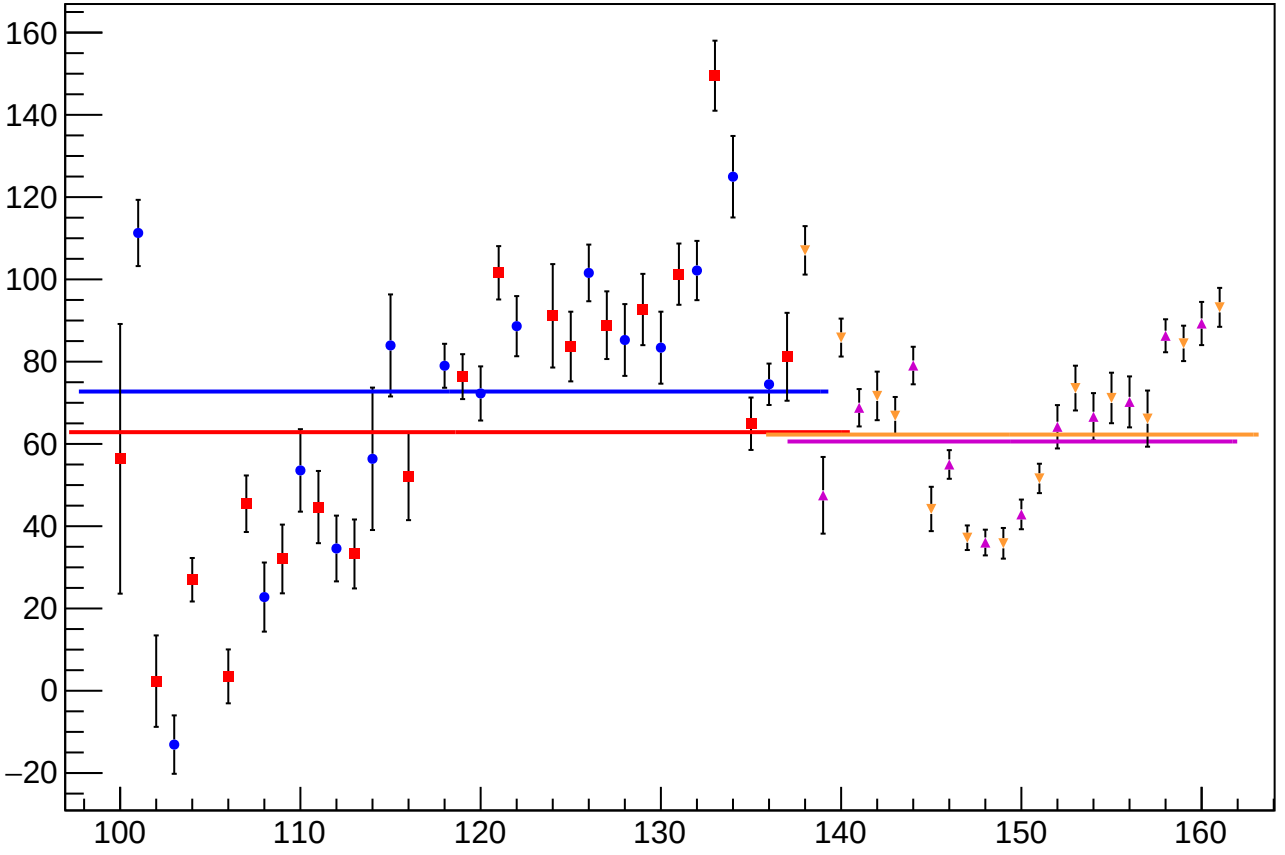
Left In: 359.115+/-1.641 χ^2/NDF:118.6/10

+ sign 366.535+/-1.162 χ^2/NDF: 4028.5/28

All: 362.112+/-0.822 χ^2/NDF: 9447.9/58

- sign 357.685+/-1.162 χ^2/NDF: 5390.4/29

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 62.280+/-1.260 χ^2/NDF:304.2/12

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

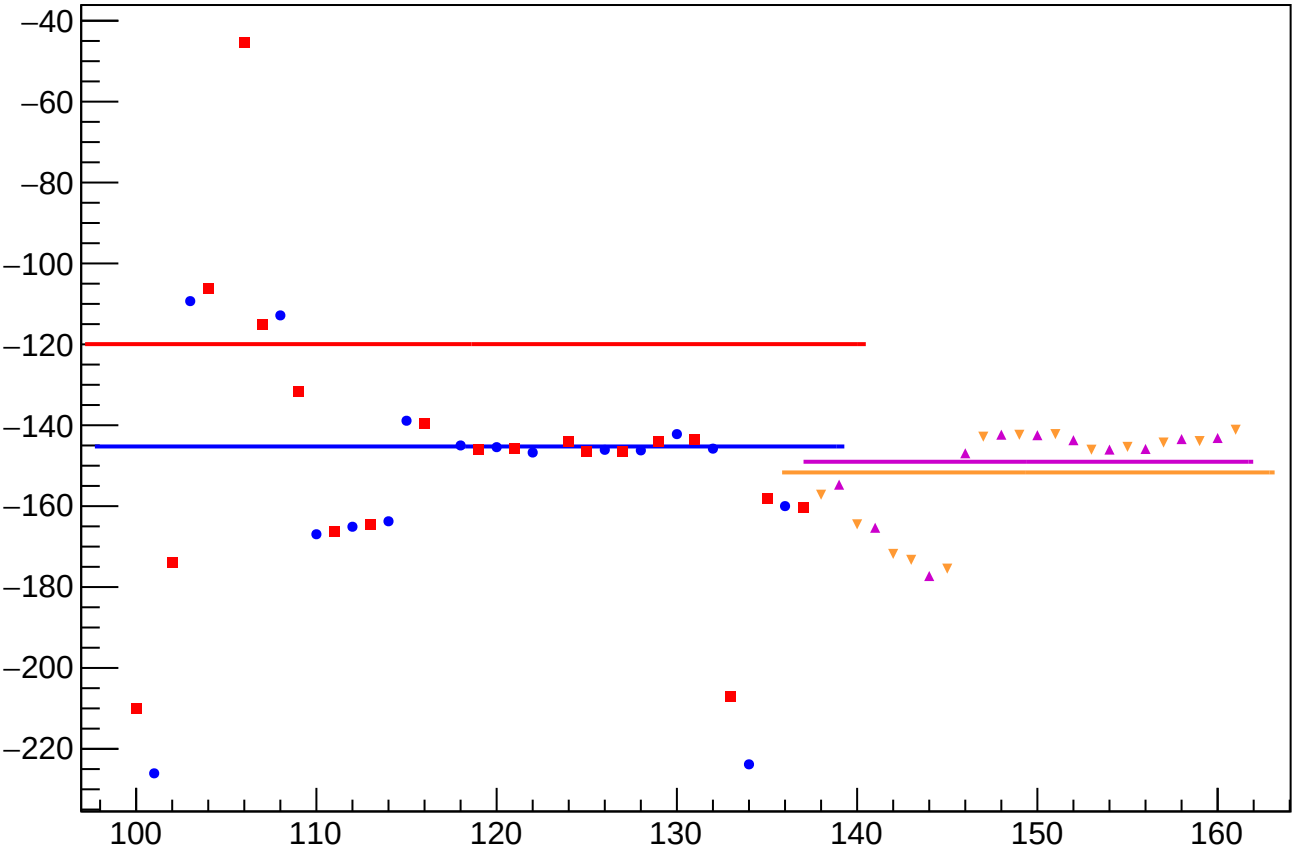
Left In: 60.593+/-1.336 χ^2/NDF:184.9/10

\+ sign 65.483+/-1.050 χ^2/NDF: 629.6/28

All: 63.485+/-0.750 χ^2/NDF: 1226.6/58

\- sign 61.402+/-1.072 χ^2/NDF: 589.6/29

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -151.665+/-0.061 χ^2/NDF:40705.6/12

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

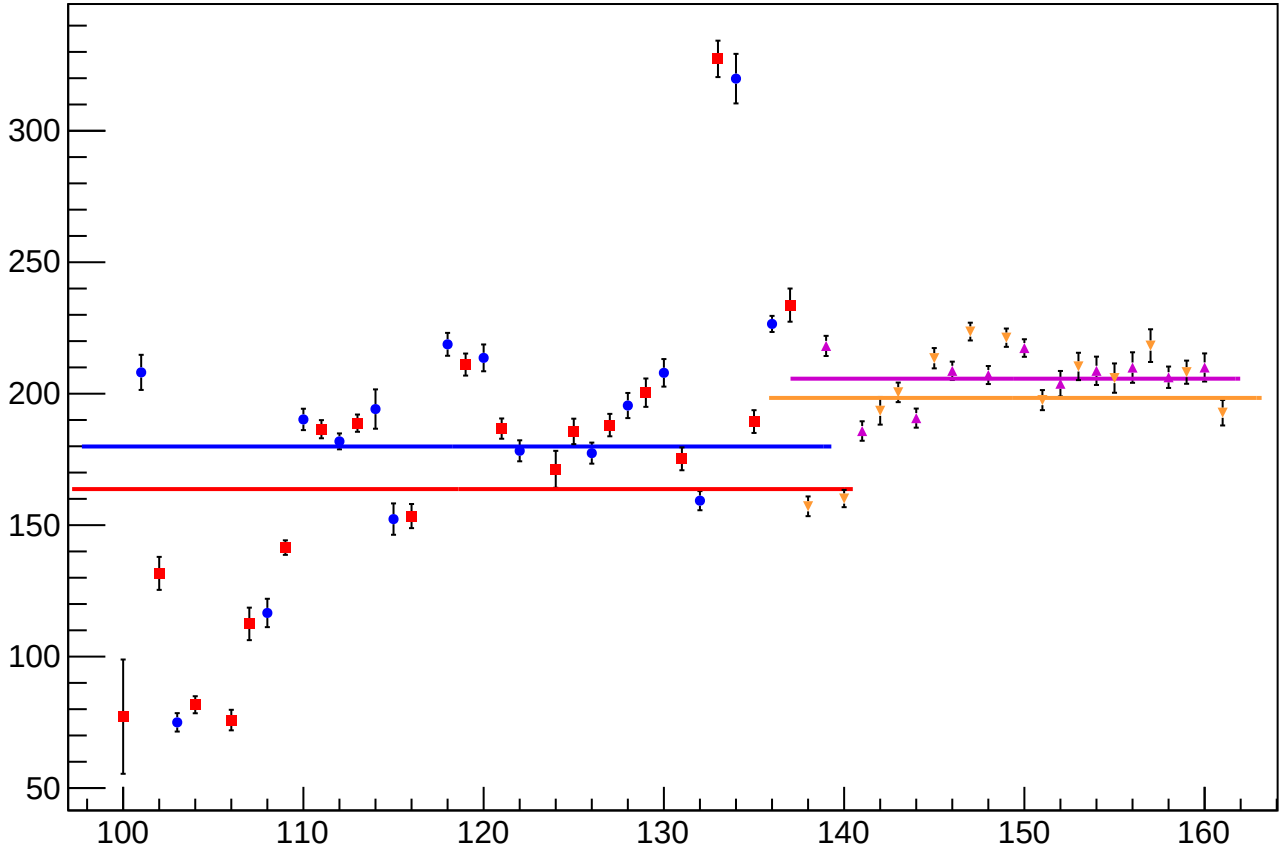
Left In: -149.025+/-0.063 χ^2/NDF:25097.3/10

+ sign -149.876+/-0.052 χ^2/NDF: 175836.4/28

All: -144.550+/-0.037 χ^2/NDF: 563349.9/58

- sign -139.337+/-0.051 χ^2/NDF: 366678.9/29

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 198.393+/-1.142 χ^2/NDF:396.5/12

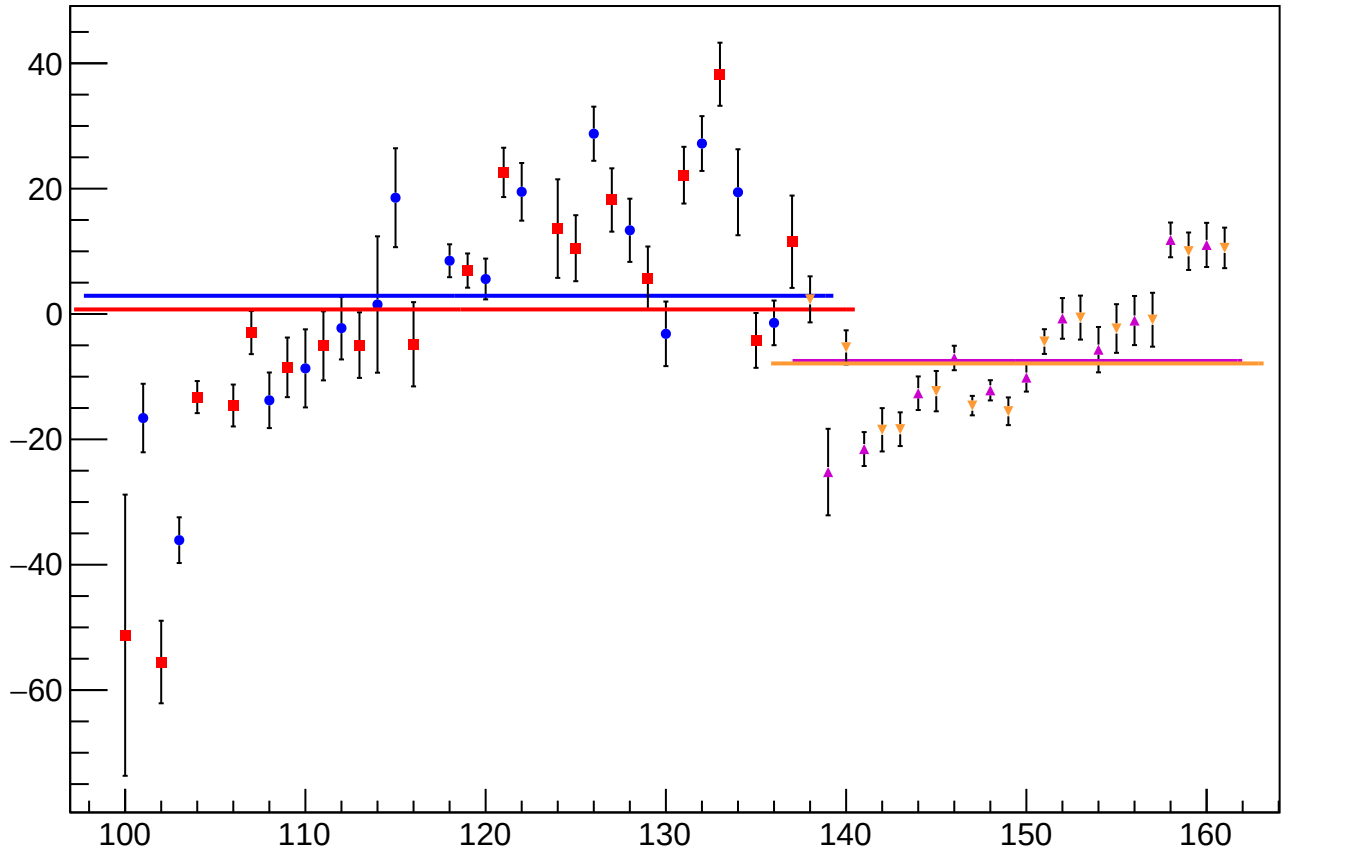
Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 205.711+/-1.217 χ^2/NDF:71.2/10

\+ sign 188.716+/-0.788 χ^2/NDF: 2266.3/28

All: 184.612+/-0.552 χ^2/NDF: 5518.1/58

\- sign 180.663+/-0.773 χ^2/NDF: 3198.6/29



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -7.890+/-0.743 χ^2/NDF:146.4/12

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

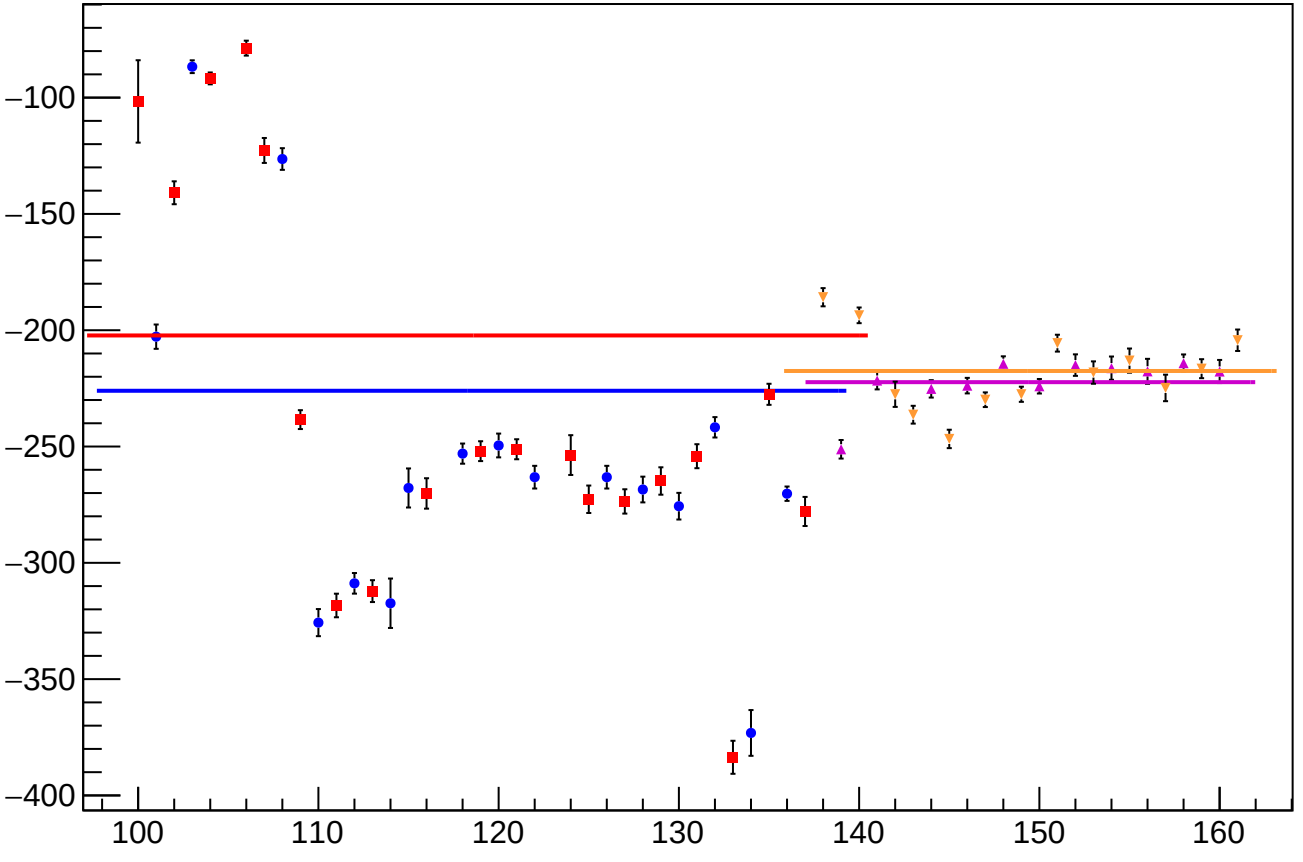
Left In: -7.493+/-0.793 χ^2/NDF:130.7/10

+ sign -4.528+/-0.616 χ^2/NDF: 459.7/28

All: -4.448+/-0.439 χ^2/NDF: 904.8/58

- sign -4.365+/-0.624 χ^2/NDF: 445.1/29

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -217.521+/-1.112 χ^2/NDF:244.5/12

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

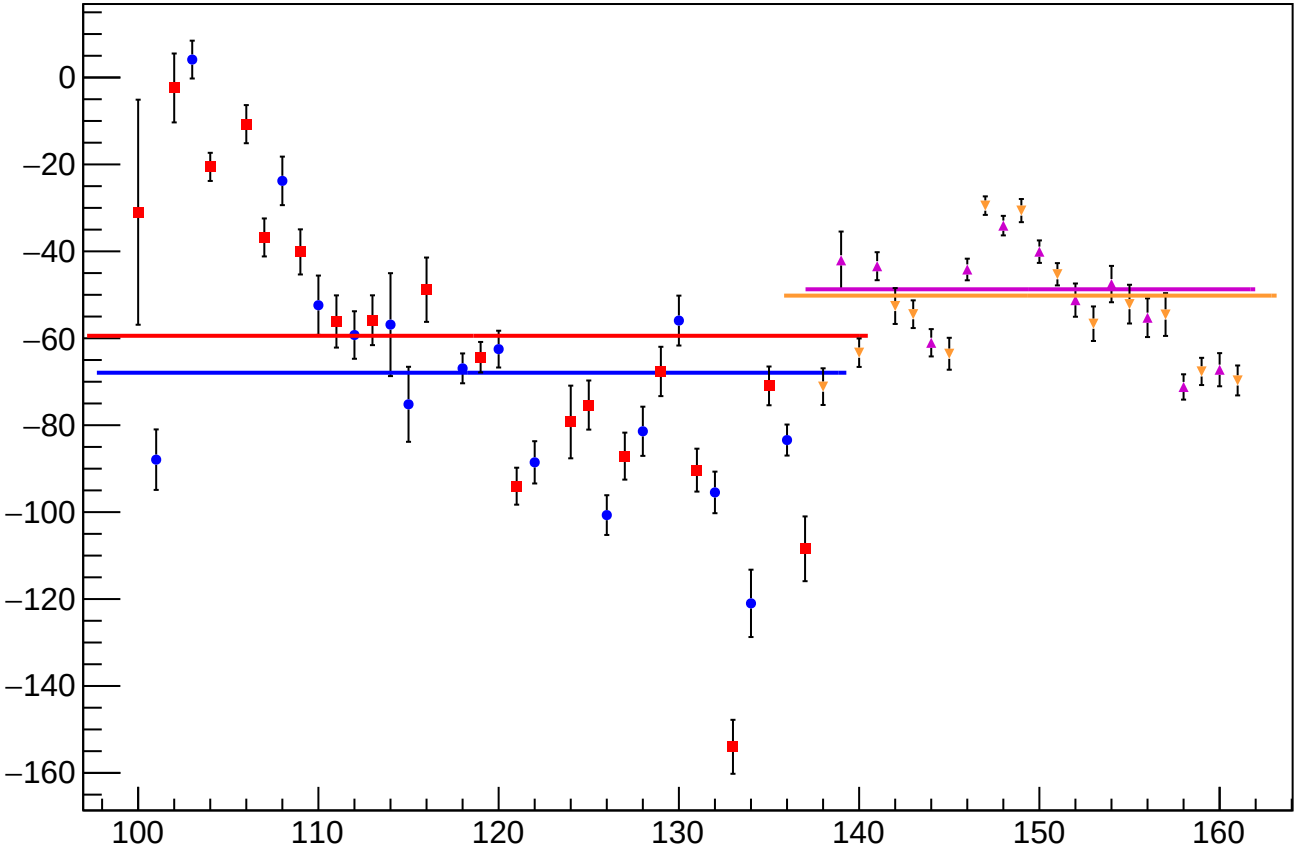
Left In: -222.327+/-1.174 χ^2/NDF:69.8/10

+ sign -221.540+/-0.808 χ^2/NDF: 4811.2/28

All: -216.466+/-0.567 χ^2/NDF: 11807.3/58

- sign -211.520+/-0.797 χ^2/NDF: 6918.1/29

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -50.184+/-0.900 χ^2/NDF:275.0/12

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

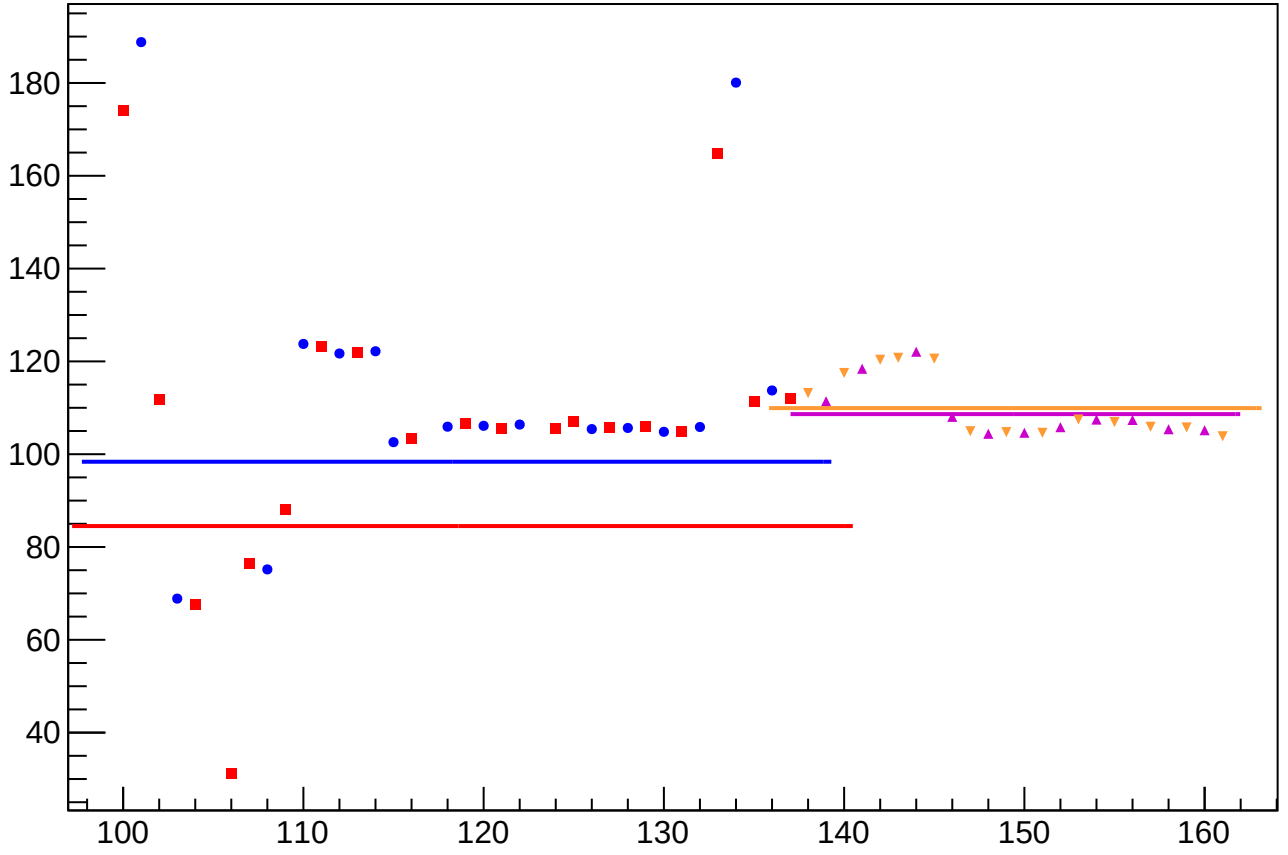
Left In: -48.728+/-0.957 χ^2/NDF:161.8/10

+ sign -56.062+/-0.736 χ^2/NDF: 938.0/28

All: -54.527+/-0.523 χ^2/NDF: 1952.8/58

- sign -52.956+/-0.744 χ^2/NDF: 1006.1/29

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 109.932+/-0.044 χ^2/NDF:21720.4/12

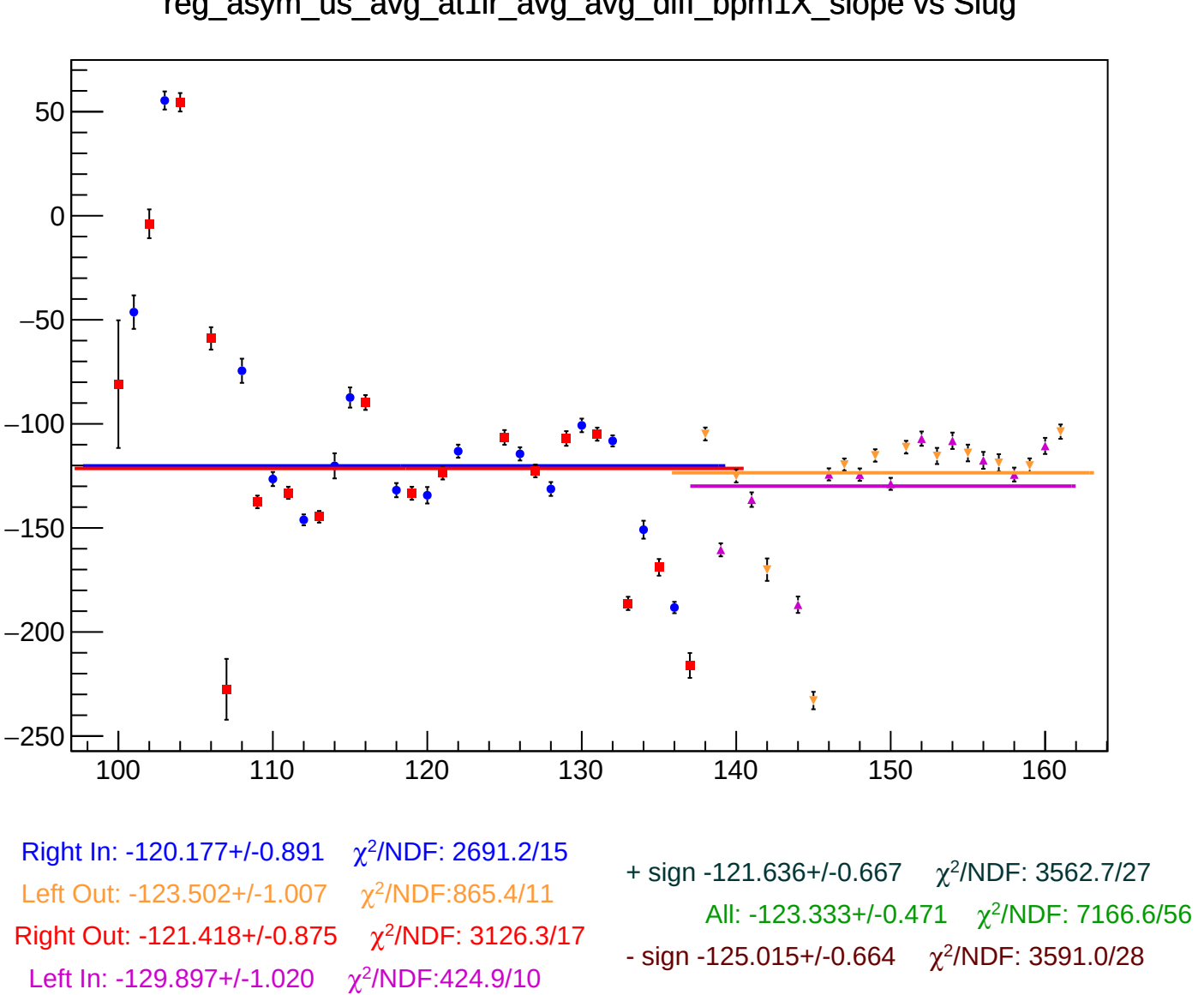
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

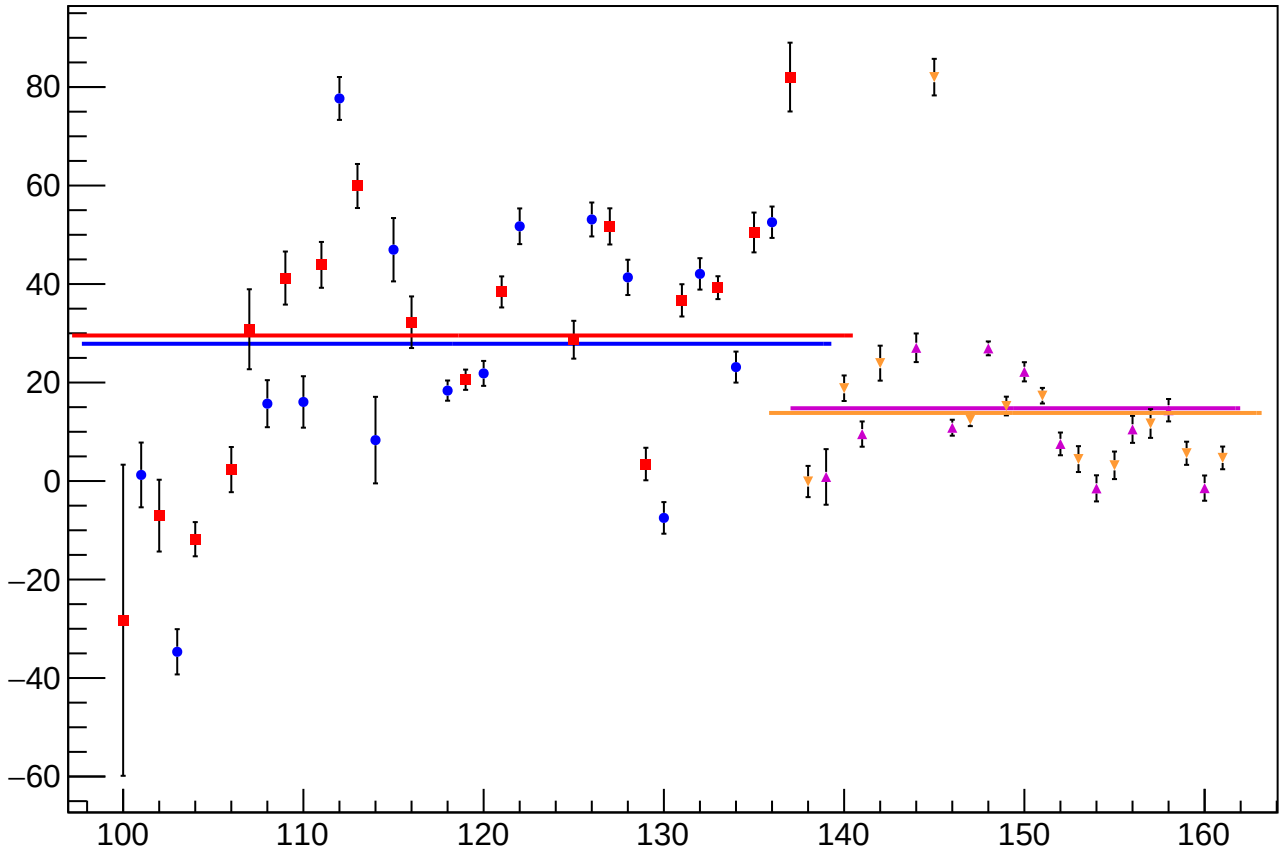
Left In: 108.640+/-0.045 χ^2/NDF:14248.0/10

+ sign 106.415+/-0.036 χ^2/NDF: 271434.5/28

All: 103.210+/-0.026 χ^2/NDF: 671949.3/58

- sign 100.051+/-0.036 χ^2/NDF: 385153.8/29


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
Right In: -120.177+/-0.891 χ²/NDF: 2691.2/15
Left Out: -123.502+/-1.007 χ²/NDF:865.4/11
Right Out: -121.418+/-0.875 χ²/NDF: 3126.3/17
Left In: -129.897+/-1.020 χ²/NDF:424.9/10
+ sign -121.636+/-0.667 χ²/NDF: 3562.7/27
All: -123.333+/-0.471 χ²/NDF: 7166.6/56
- sign -125.015+/-0.664 χ²/NDF: 3591.0/28



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 13.826+/-0.648 χ^2/NDF:430.1/11

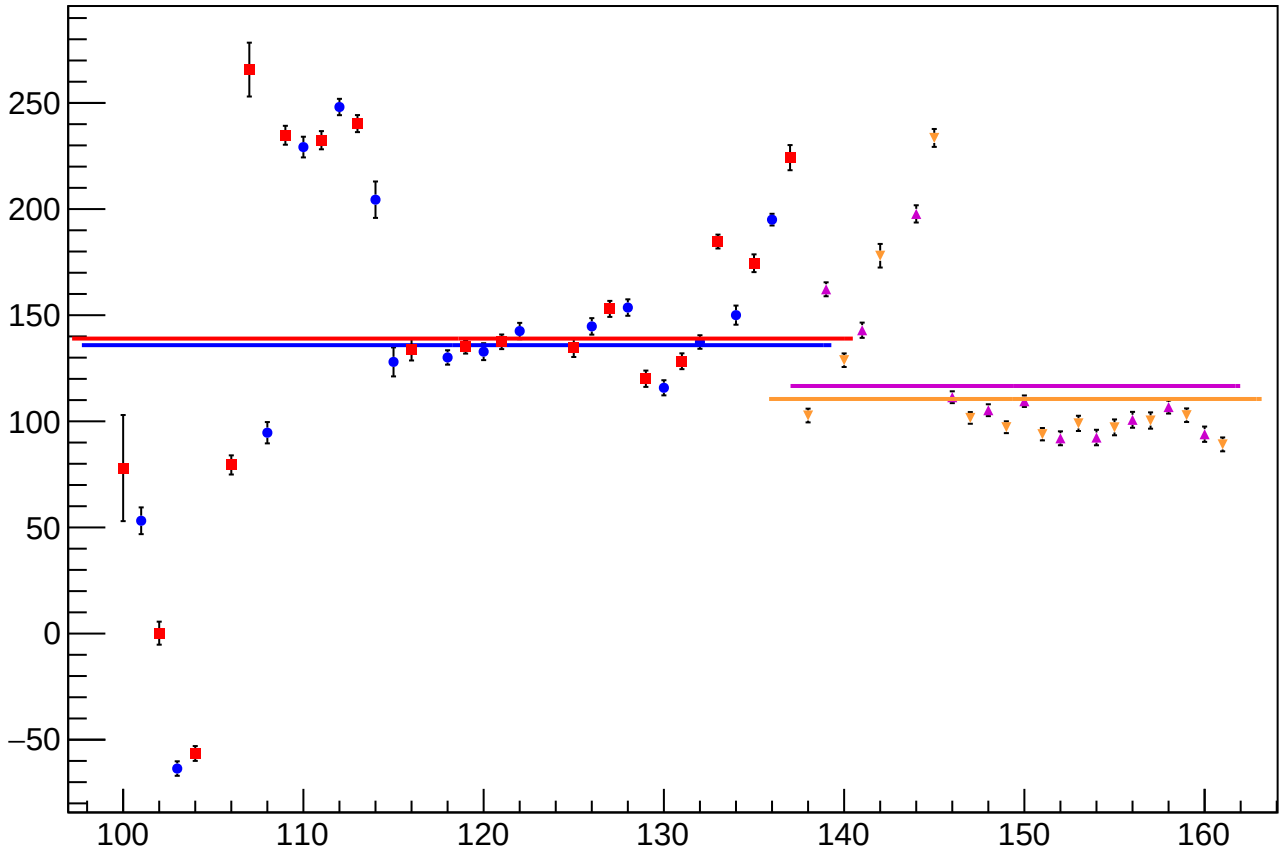
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 14.779+/-0.666 χ^2/NDF:212.8/10

+ sign 18.710+/-0.524 χ^2/NDF: 1292.9/27

All: 19.384+/-0.374 χ^2/NDF: 2183.3/56

- sign 20.081+/-0.533 χ^2/NDF: 887.1/28



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 110.529+/-0.968 χ^2/NDF:1179.1/11

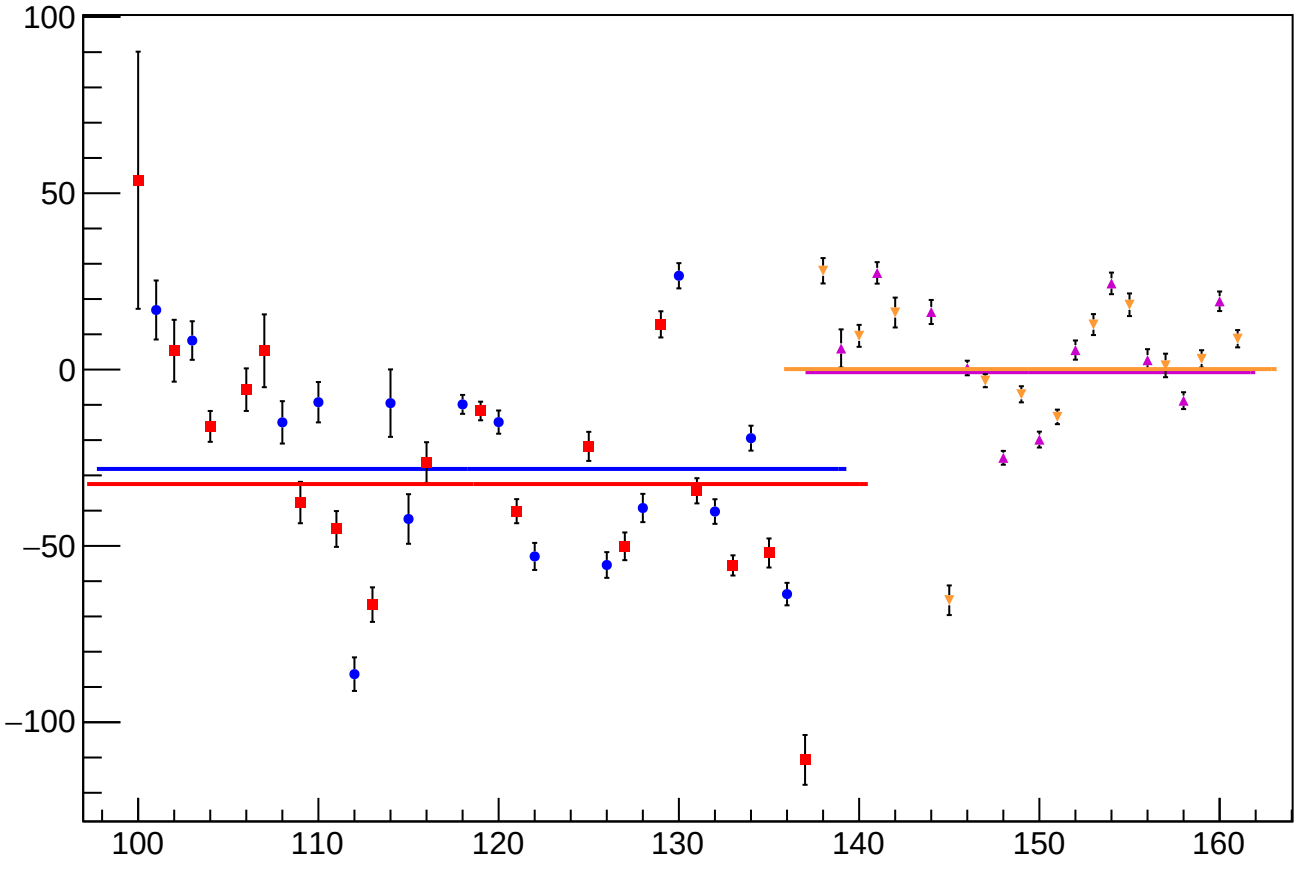
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 116.647+/-0.978 χ^2/NDF:839.7/10

\+ sign 122.809+/-0.695 χ^2/NDF: 6975.2/27

All: 125.185+/-0.493 χ^2/NDF: 14250.4/56

\- sign 127.585+/-0.699 χ^2/NDF: 7251.7/28



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 0.136+/-0.781 χ^2/NDF:447.0/11

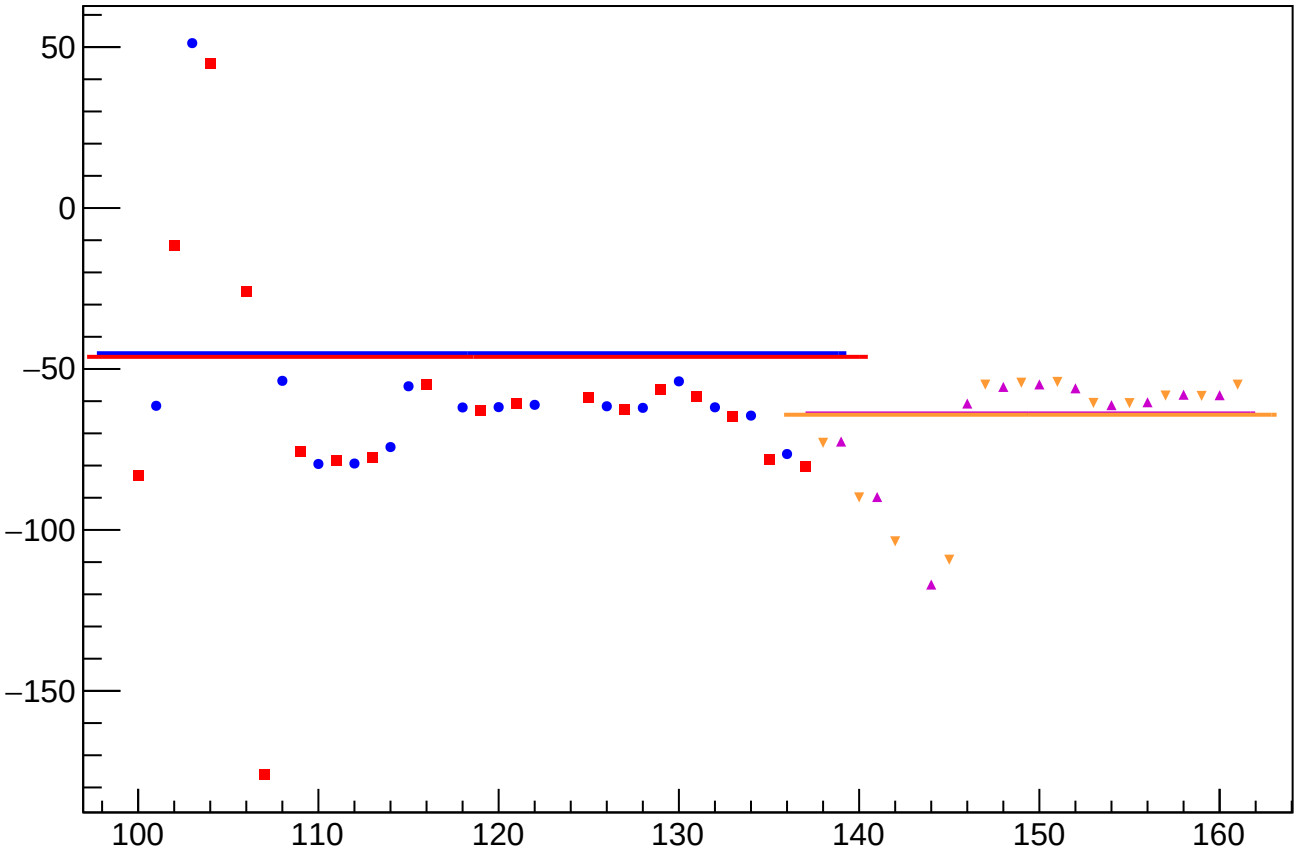
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -0.739+/-0.799 χ^2/NDF:475.6/10

\+ sign -10.297+/-0.621 χ^2/NDF: 1722.6/27

All: -11.472+/-0.442 χ^2/NDF: 3380.5/56

\- sign -12.685+/-0.630 χ^2/NDF: 1650.7/28



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -64.210+/-0.037 χ^2/NDF:174489.5/11

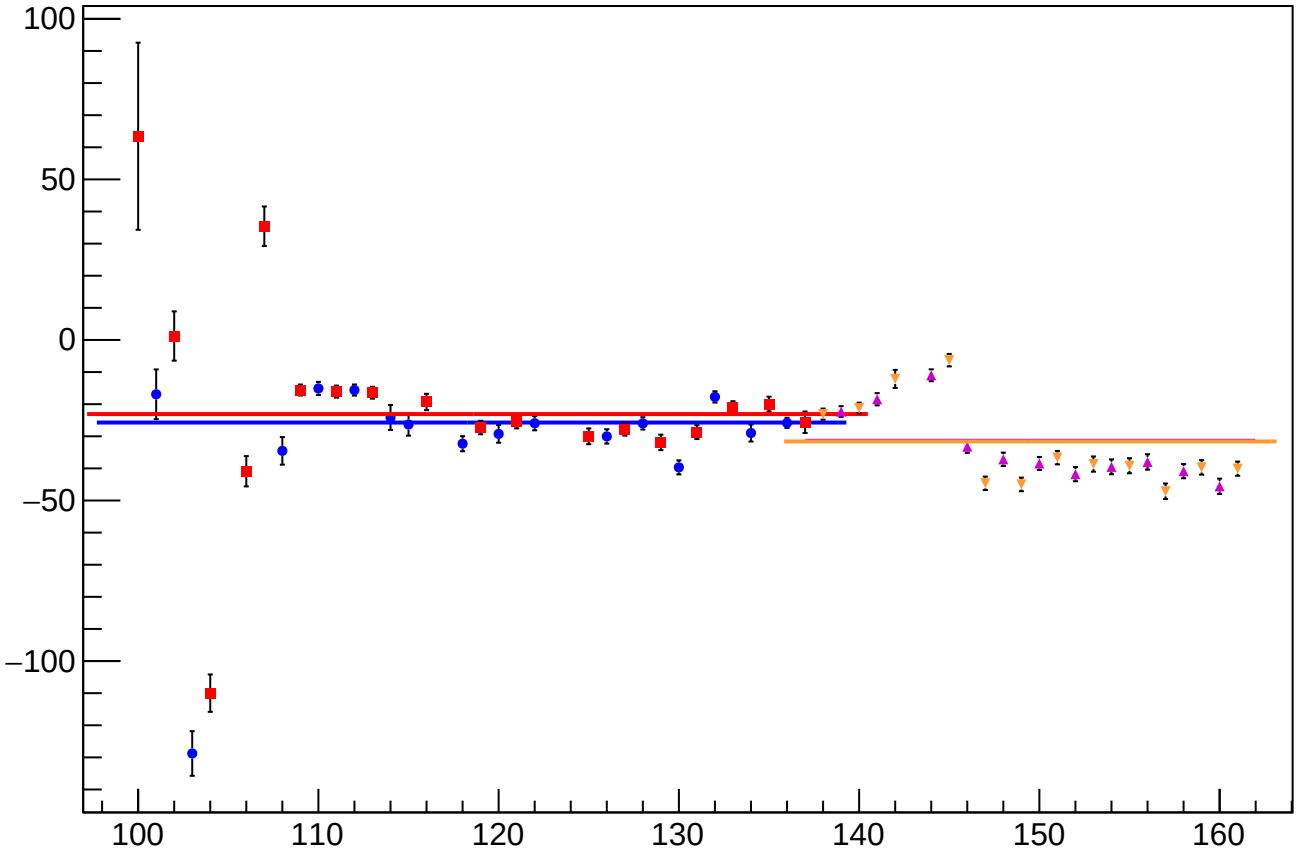
Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -63.804+/-0.037 χ^2/NDF:144790.9/10

+ sign -58.974+/-0.031 χ^2/NDF: 822942.0/27

All: -59.127+/-0.022 χ^2/NDF: 1519963.6/56

- sign -59.282+/-0.032 χ^2/NDF: 696974.1/28



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -31.613+/-0.610 χ^2/NDF:453.0/11

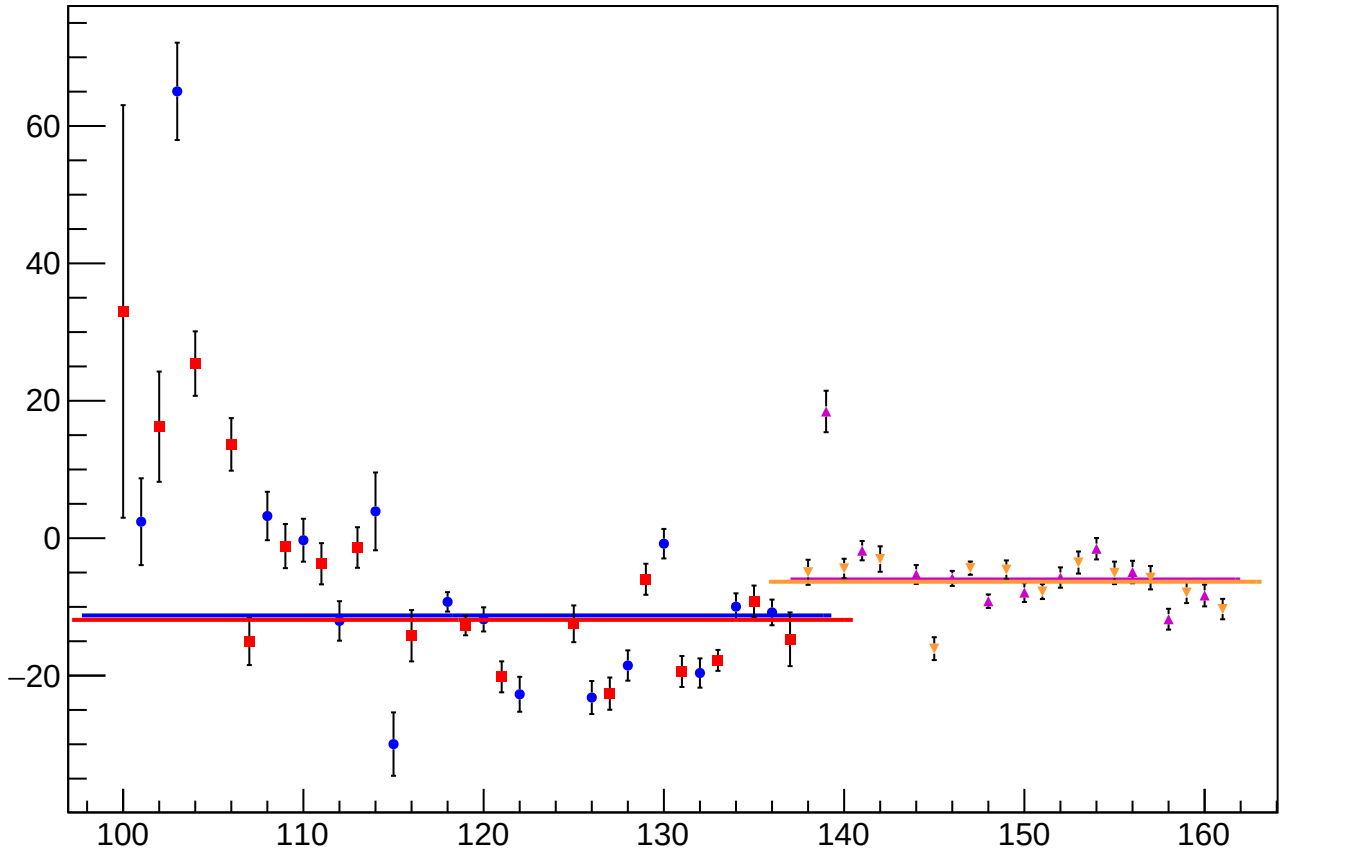
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -31.400+/-0.619 χ^2/NDF:312.1/10

\+ sign -28.572+/-0.424 χ^2/NDF: 864.2/27

All: -27.777+/-0.300 χ^2/NDF: 1716.4/56

\- sign -26.982+/-0.424 χ^2/NDF: 845.2/28



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.338+/-0.412 χ^2/NDF:59.5/11

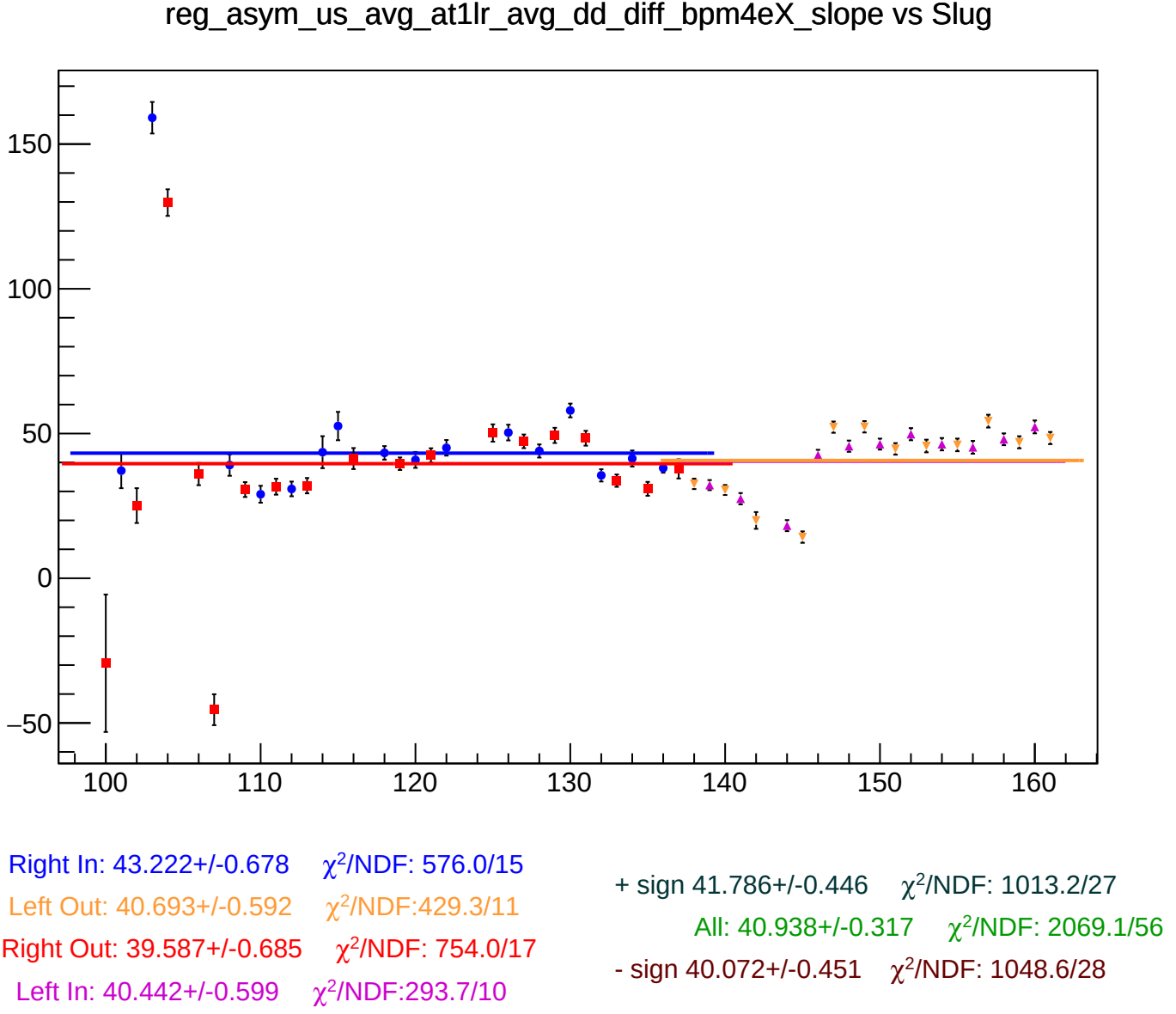
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

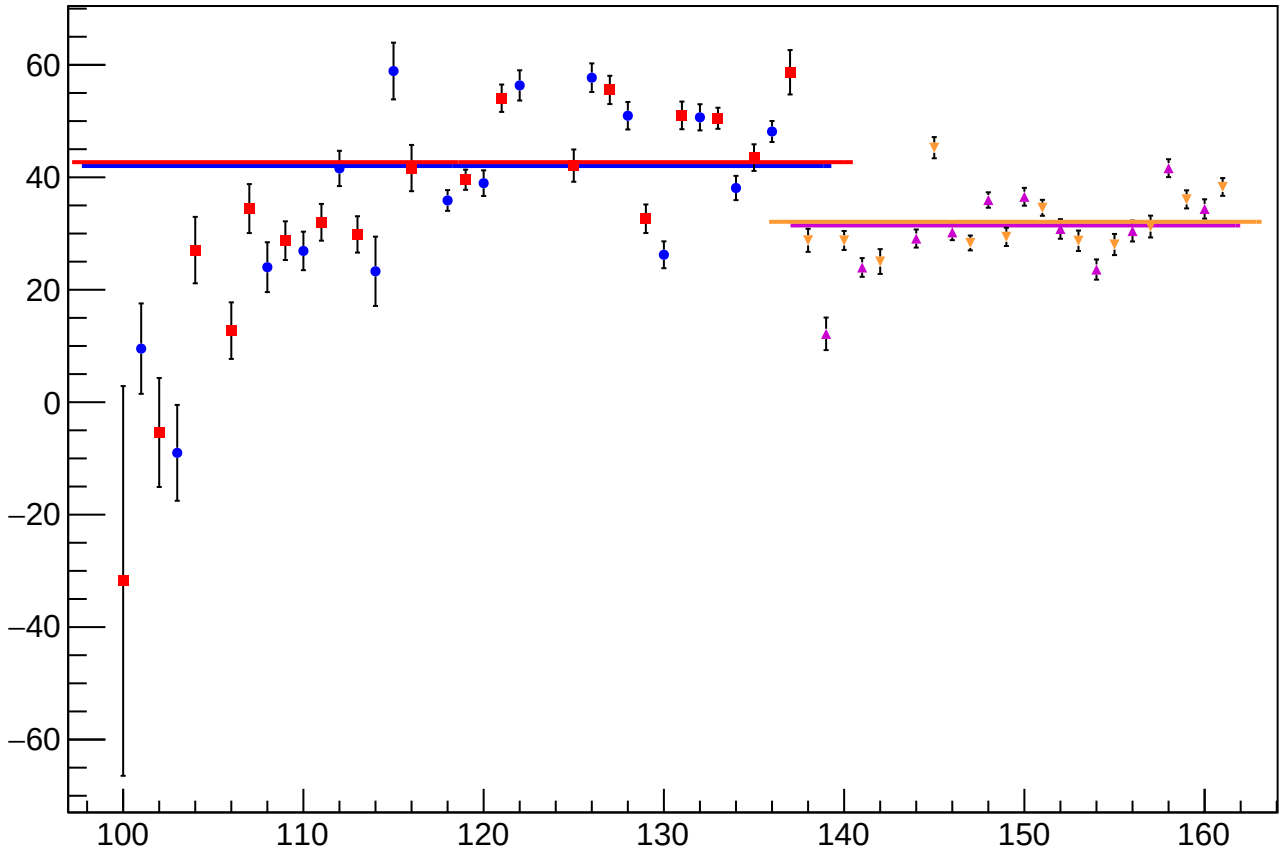
Left In: -6.012+/-0.422 χ^2/NDF:112.5/10

\+ sign -7.908+/-0.339 χ^2/NDF: 376.1/27

All: -7.917+/-0.242 χ^2/NDF: 776.3/56

\- sign -7.927+/-0.346 χ^2/NDF: 400.2/28


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: 43.222+/-0.678 χ²/NDF: 576.0/15
Left Out: 40.693+/-0.592 χ²/NDF:429.3/11
Right Out: 39.587+/-0.685 χ²/NDF: 754.0/17
Left In: 40.442+/-0.599 χ²/NDF:293.7/10
+ sign 41.786+/-0.446 χ²/NDF: 1013.2/27
All: 40.938+/-0.317 χ²/NDF: 2069.1/56
- sign 40.072+/-0.451 χ²/NDF: 1048.6/28



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.090+/-0.490 χ^2/NDF:109.3/11

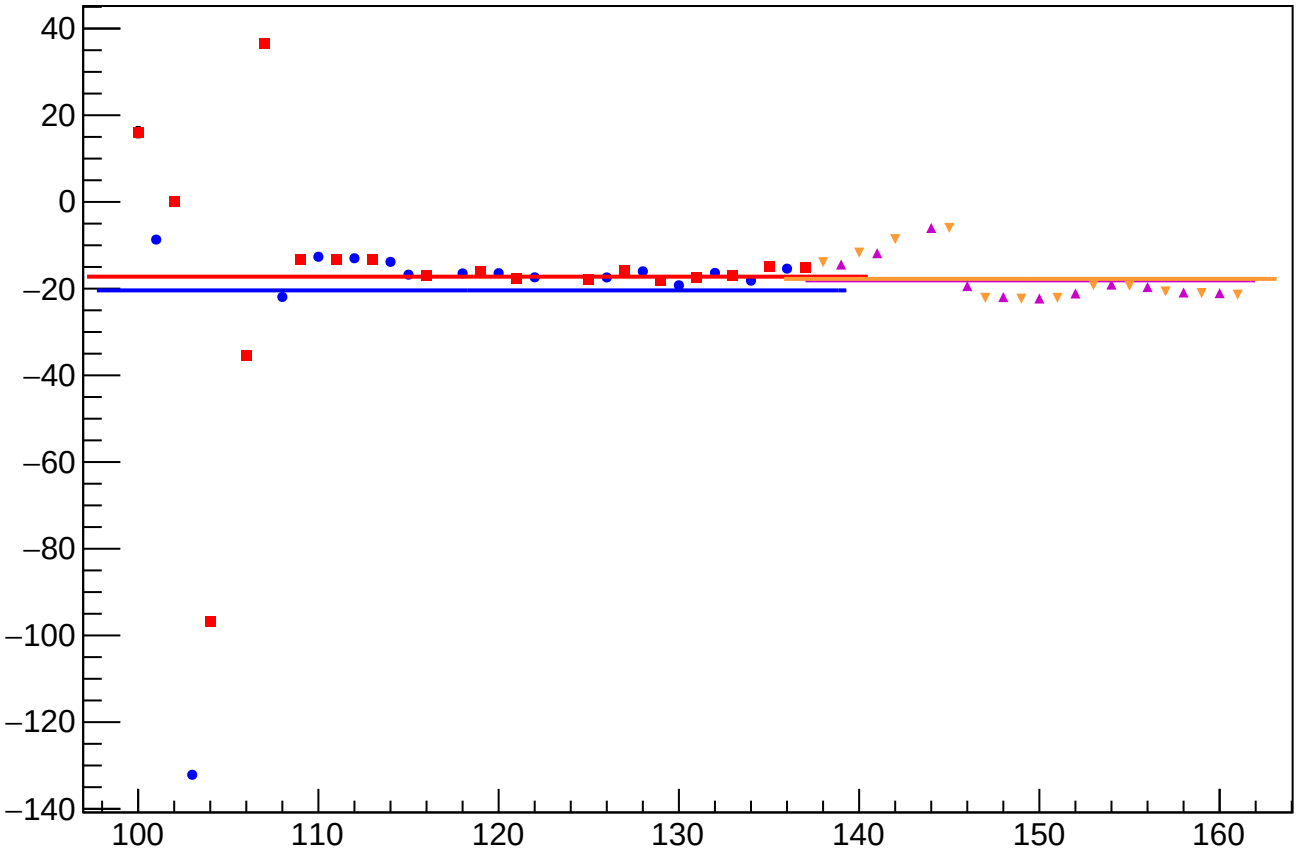
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 31.441+/-0.501 χ^2/NDF:152.0/10

\+ sign 35.455+/-0.398 χ^2/NDF: 521.0/27

All: 35.376+/-0.284 χ^2/NDF: 1076.0/56

\- sign 35.294+/-0.407 χ^2/NDF: 554.9/28



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -17.750+/-0.022 χ^2/NDF:53497.6/11

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

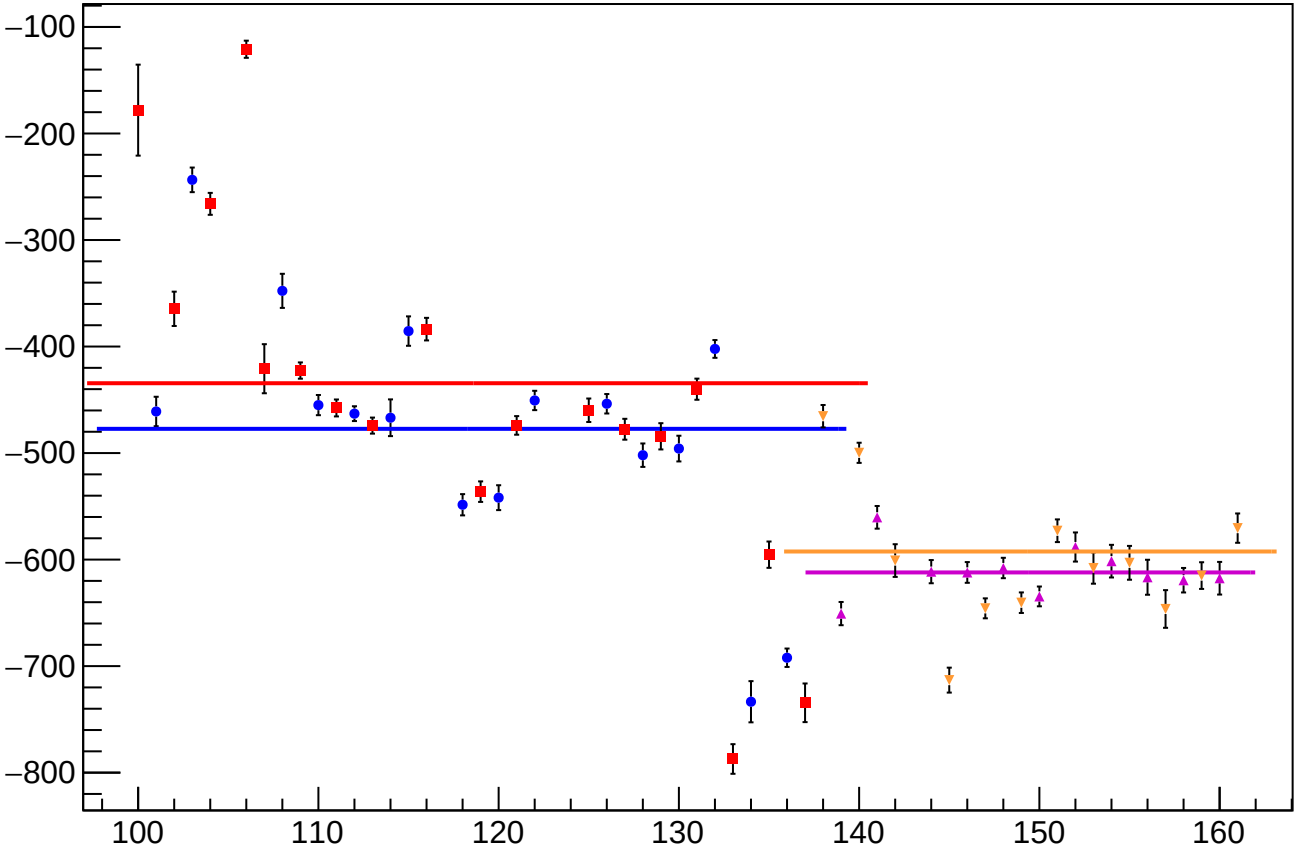
Left In: -18.091+/-0.023 χ^2/NDF:40499.3/10

+ sign -18.343+/-0.020 χ^2/NDF: 302226.2/27

All: -18.131+/-0.014 χ^2/NDF: 547912.8/56

- sign -17.914+/-0.020 χ^2/NDF: 245454.3/28

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -592.404+/-3.407 χ^2/NDF:425.7/11

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

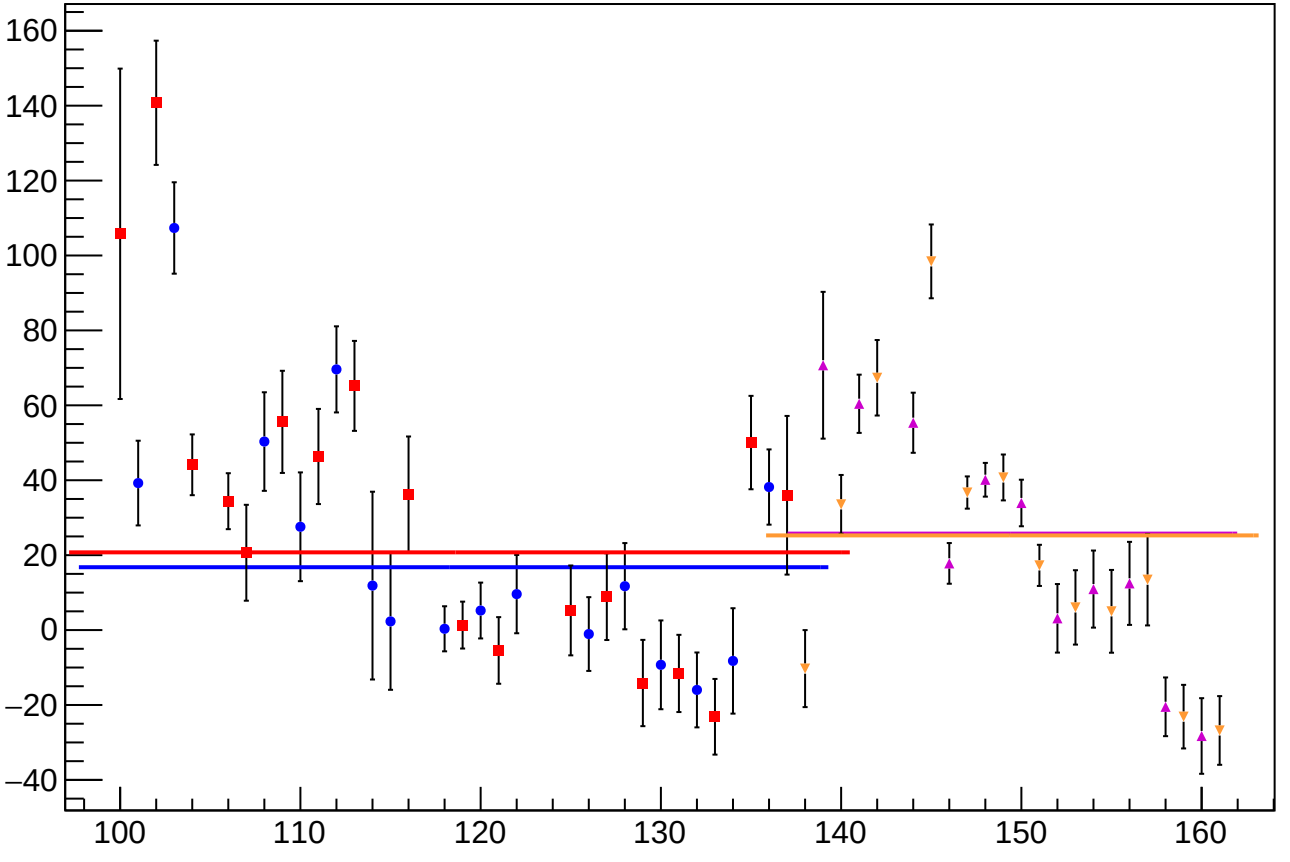
Left In: -612.060+/-3.453 χ^2/NDF:46.4/10

+ sign -520.312+/-2.083 χ^2/NDF: 2651.7/27

All: -506.843+/-1.445 χ^2/NDF: 7693.9/56

- sign -494.362+/-2.006 χ^2/NDF: 4961.7/28

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 25.272+/-2.180 χ^2/NDF:174.0/11

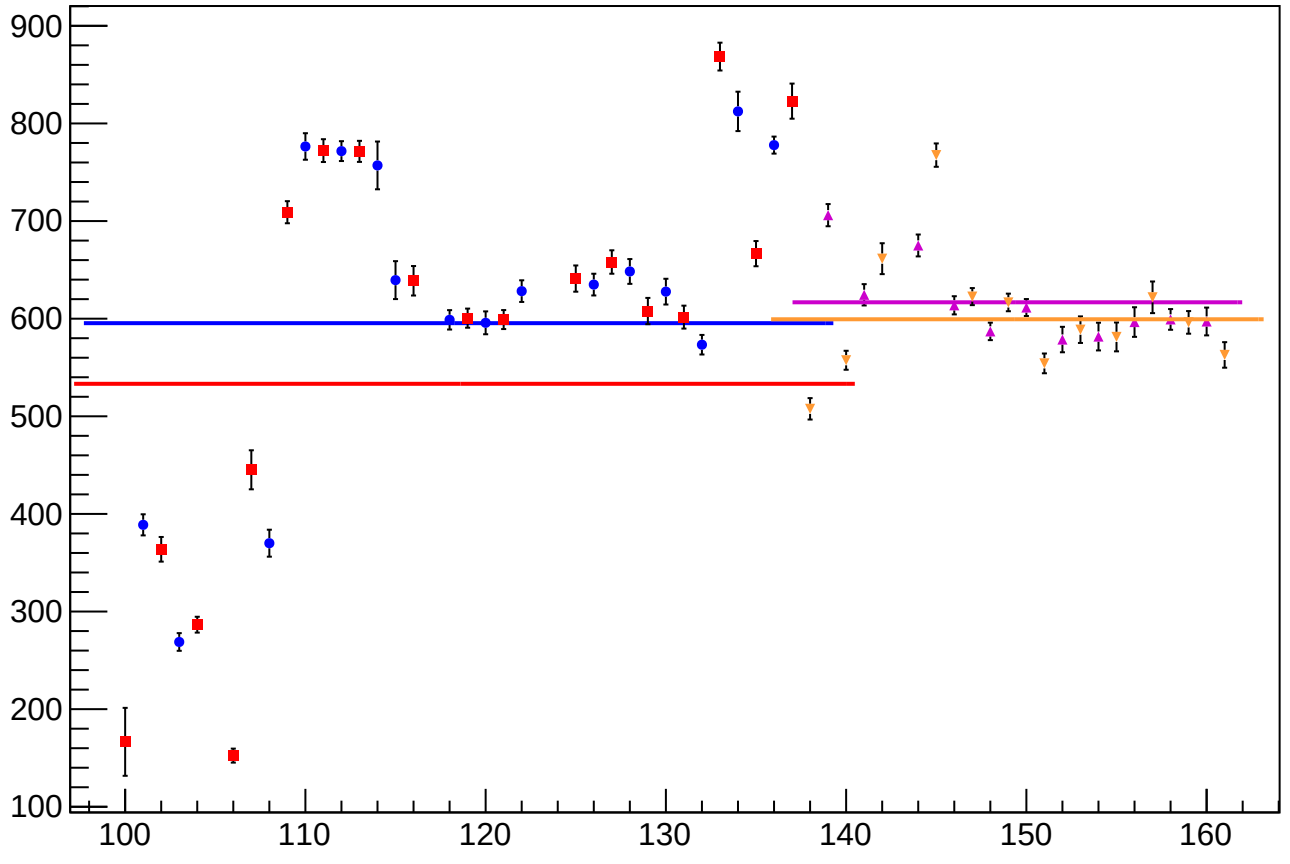
Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 25.751+/-2.239 χ^2/NDF:125.9/10

+ sign 21.851+/-1.685 χ^2/NDF: 305.1/27

All: 22.712+/-1.190 χ^2/NDF: 591.6/56

- sign 23.571+/-1.682 χ^2/NDF: 286.0/28



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 599.397+/-3.295 χ^2/NDF:344.1/11

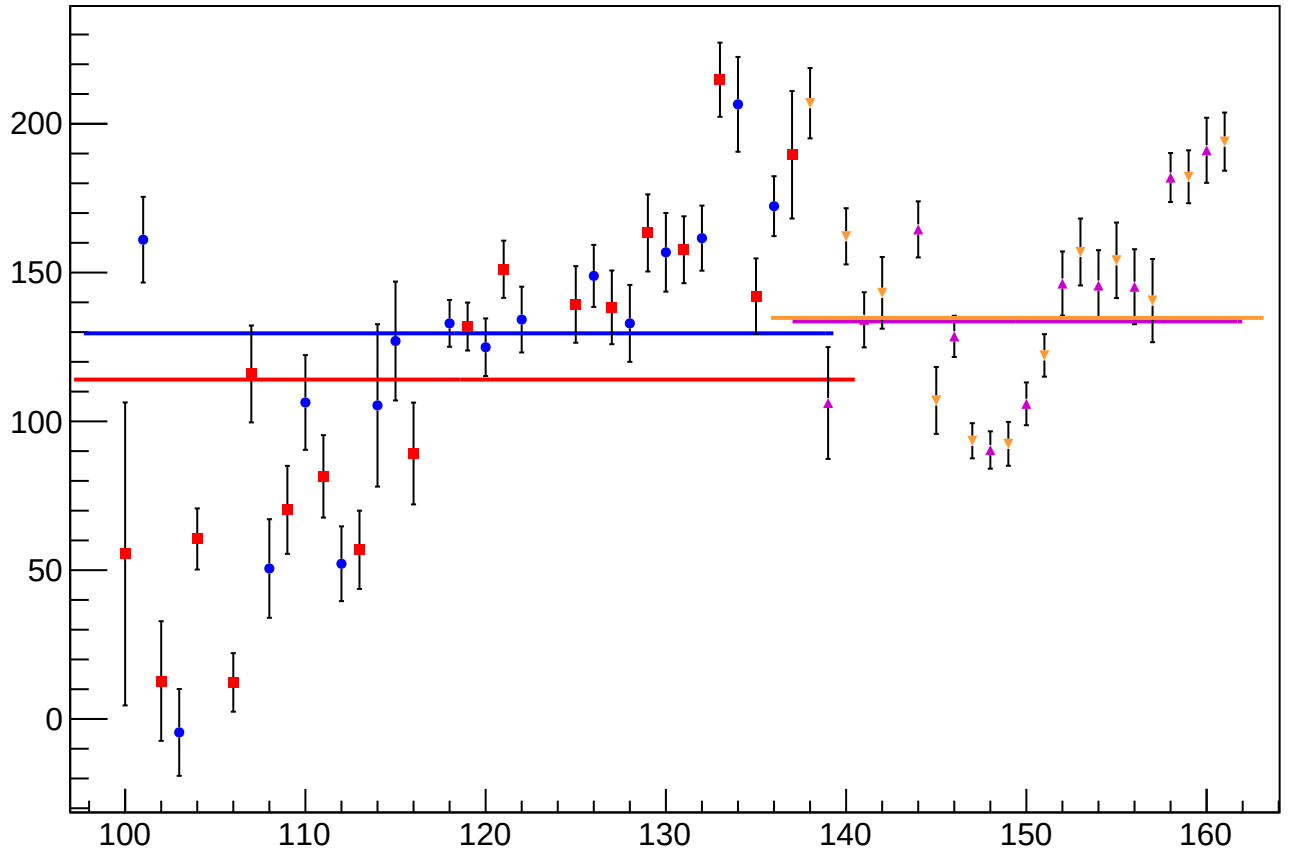
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 616.788+/-3.326 χ^2/NDF:121.8/10

+ sign 597.168+/-2.189 χ^2/NDF: 3404.6/27

All: 581.648+/-1.522 χ^2/NDF: 10501.3/56

- sign 567.129+/-2.118 χ^2/NDF: 6999.4/28



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 134.765+/-2.651 χ^2/NDF:208.8/11

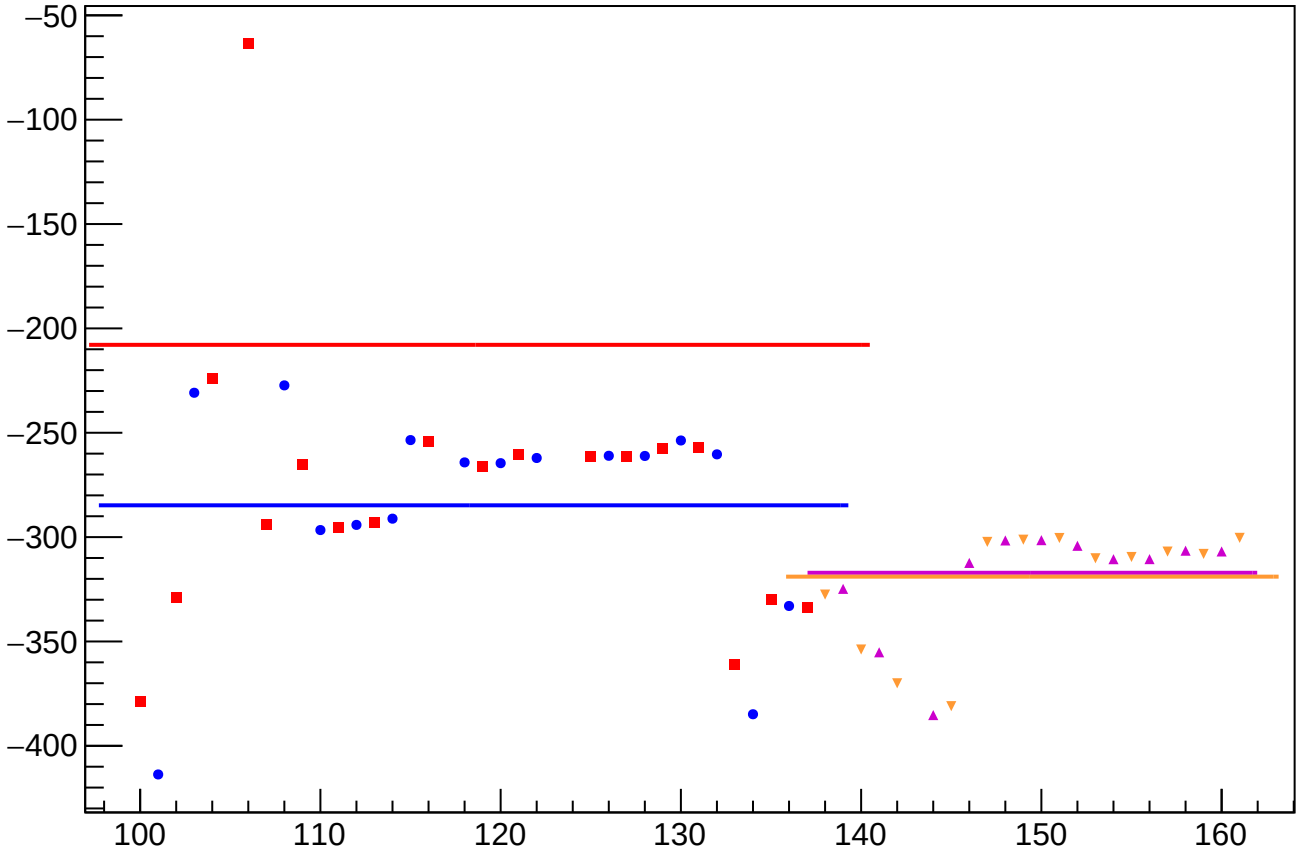
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 133.580+/-2.707 χ^2/NDF:141.2/10

+ sign 132.561+/-2.010 χ^2/NDF: 421.6/27

All: 128.635+/-1.418 χ^2/NDF: 929.9/56

- sign 124.738+/-2.002 χ^2/NDF: 500.7/28



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -318.941+/-0.129 χ^2/NDF:39915.7/11

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

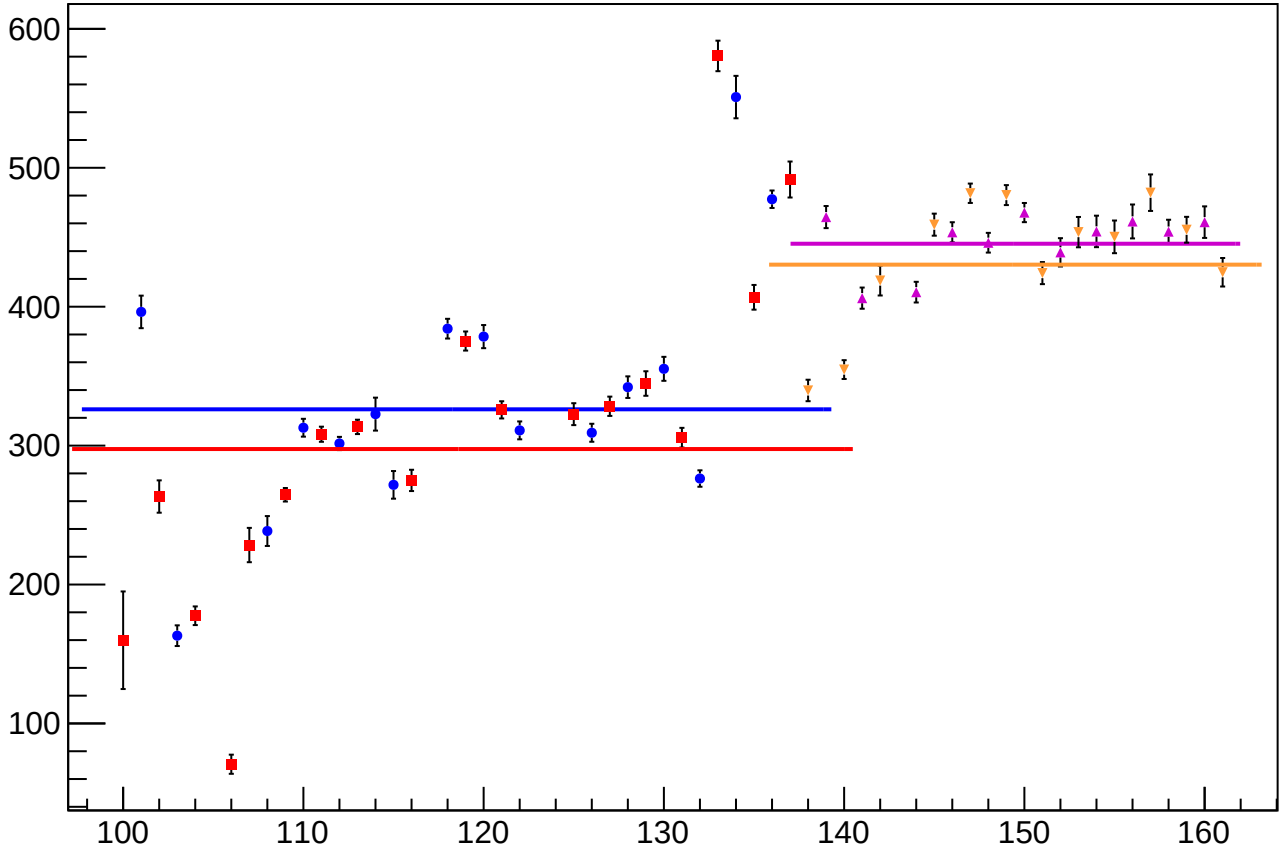
Left In: -317.089+/-0.128 χ^2/NDF:32287.1/10

+ sign -307.144+/-0.104 χ^2/NDF: 168547.4/27

All: -287.631+/-0.071 χ^2/NDF: 1112891.5/56

- sign -270.787+/-0.097 χ^2/NDF: 879143.7/28

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 430.276+/-2.489 χ^2/NDF:410.3/11

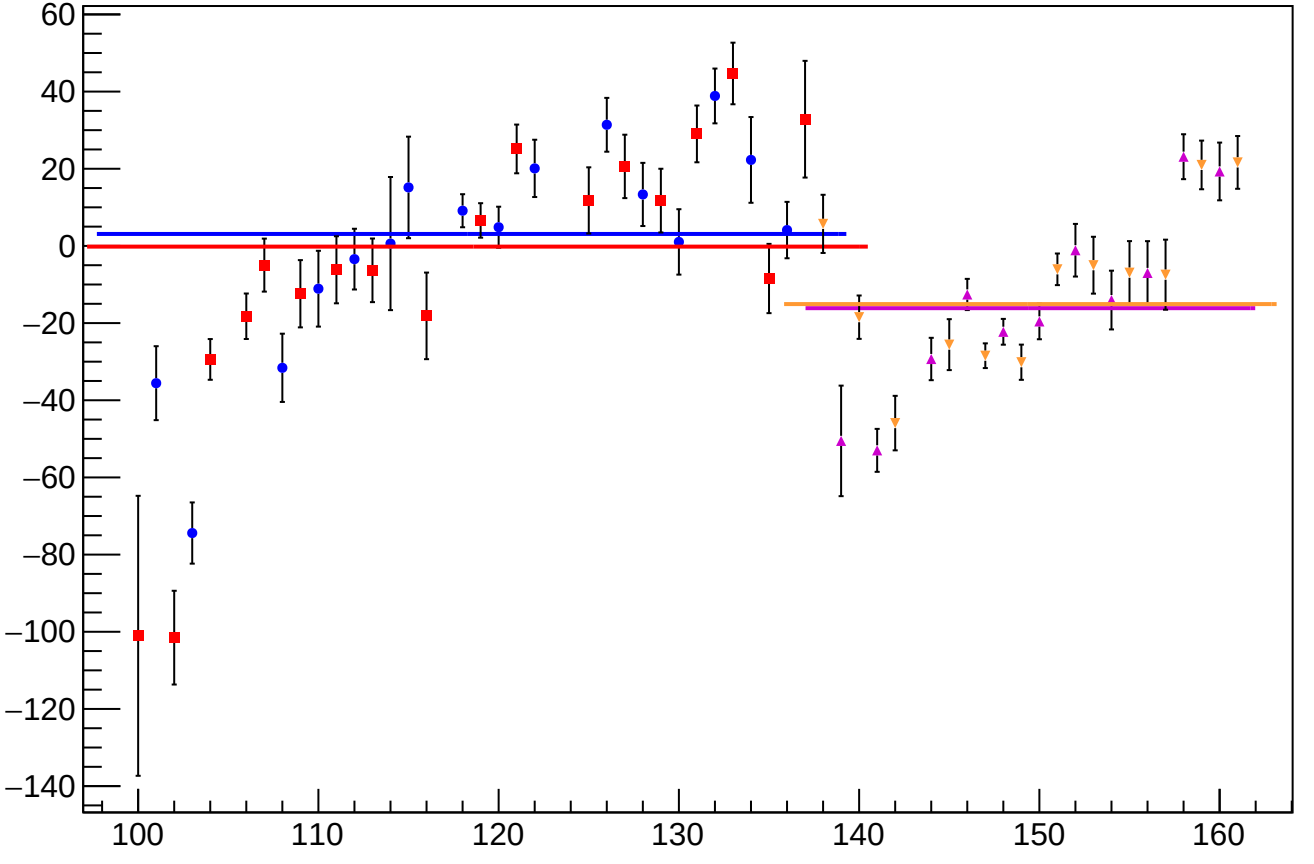
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 445.327+/-2.527 χ^2/NDF:71.6/10

+ sign 363.359+/-1.488 χ^2/NDF: 3177.7/27

All: 353.743+/-1.031 χ^2/NDF: 8429.6/56

- sign 344.864+/-1.430 χ^2/NDF: 5171.6/28



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -15.073+/-1.603 χ^2/NDF:127.9/11

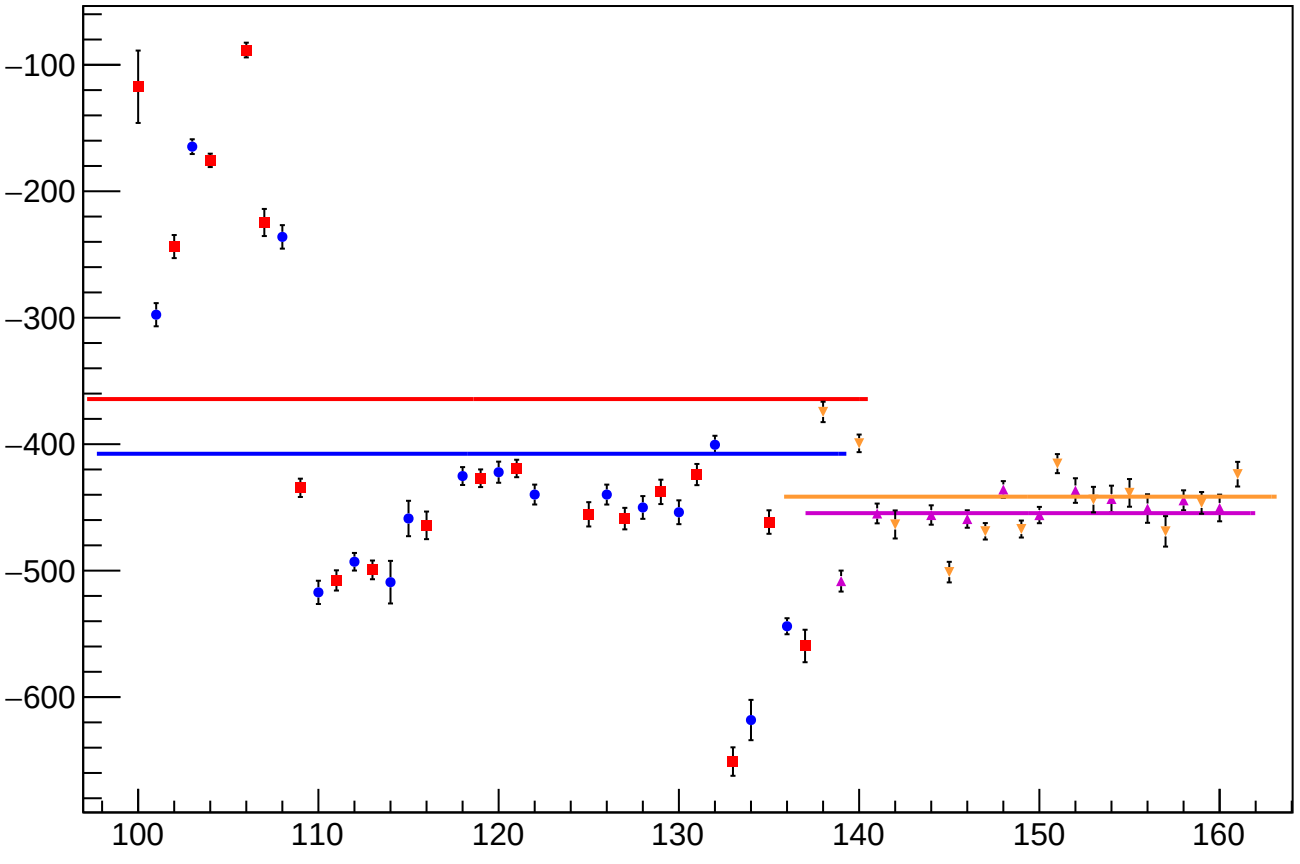
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -16.134+/-1.647 χ^2/NDF:134.1/10

+ sign -7.481+/-1.223 χ^2/NDF: 366.1/27

All: -8.159+/-0.861 χ^2/NDF: 749.0/56

- sign -8.825+/-1.212 χ^2/NDF: 382.3/28



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -441.508+/-2.413 χ^2/NDF:216.8/11

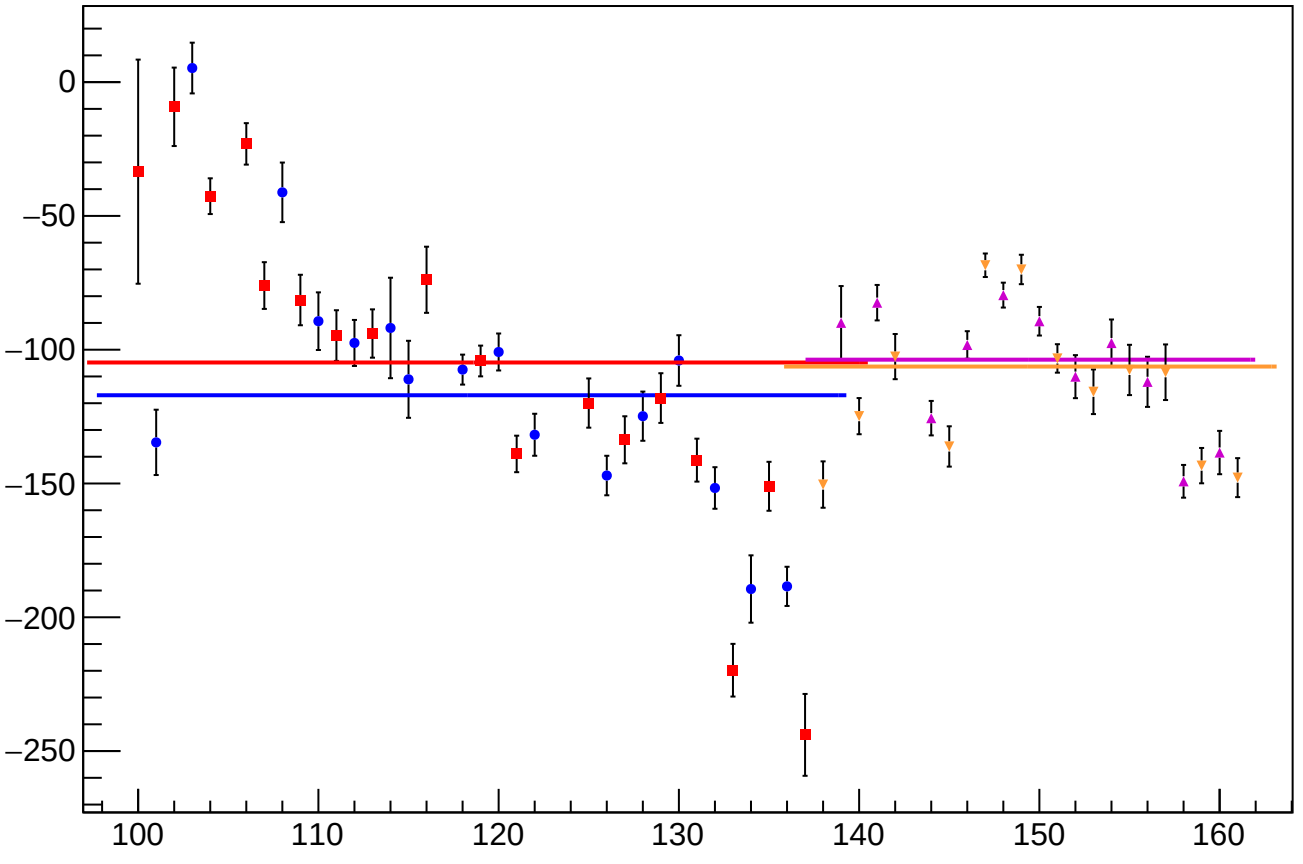
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -454.539+/-2.439 χ^2/NDF:56.9/10

+ sign -421.990+/-1.573 χ^2/NDF: 3611.1/27

All: -410.272+/-1.093 χ^2/NDF: 10832.9/56

- sign -399.336+/-1.519 χ^2/NDF: 7114.5/28



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -106.297+/-1.947 χ^2/NDF:232.6/11

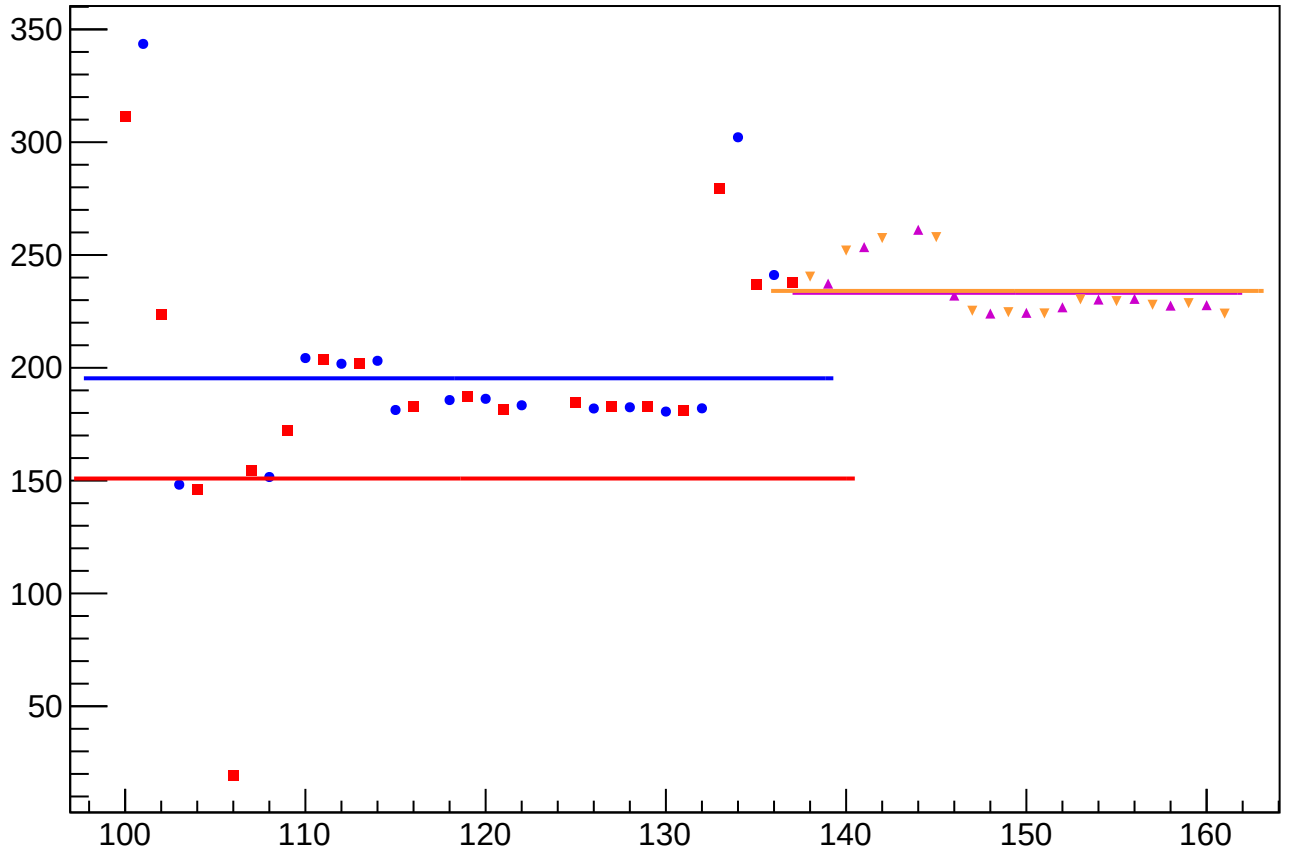
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -103.725+/-1.989 χ^2/NDF:133.5/10

+ sign -111.021+/-1.456 χ^2/NDF: 653.8/27

All: -107.588+/-1.024 χ^2/NDF: 1373.6/56

- sign -104.226+/-1.441 χ^2/NDF: 708.8/28



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 234.084+/-0.095 χ^2/NDF:16661.7/11

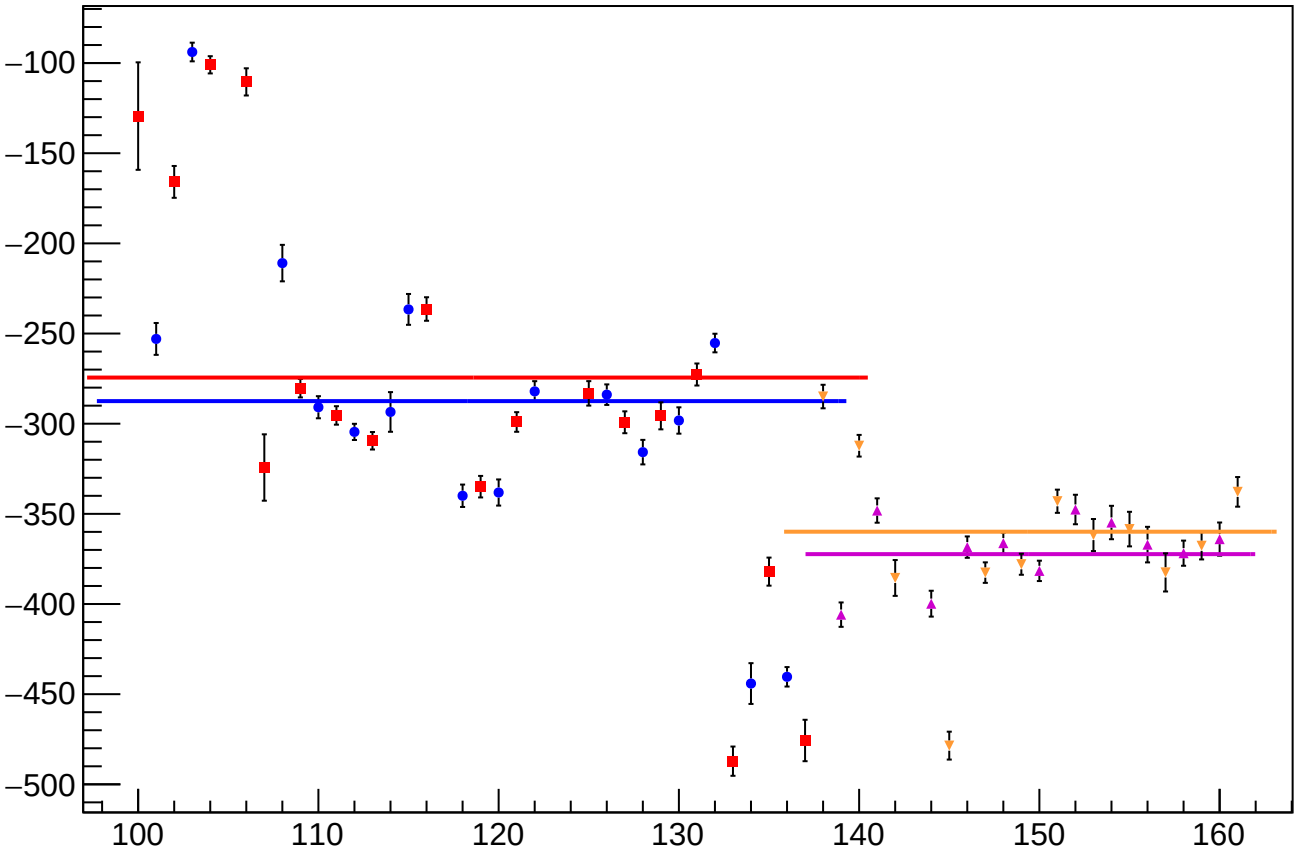
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 233.242+/-0.094 χ^2/NDF:14251.3/10

+ sign 219.936+/-0.075 χ^2/NDF: 254943.1/27

All: 208.721+/-0.052 χ^2/NDF: 1134025.2/56

- sign 198.633+/-0.071 χ^2/NDF: 836970.1/28



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -359.899+/-2.098 χ^2/NDF:482.1/11

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

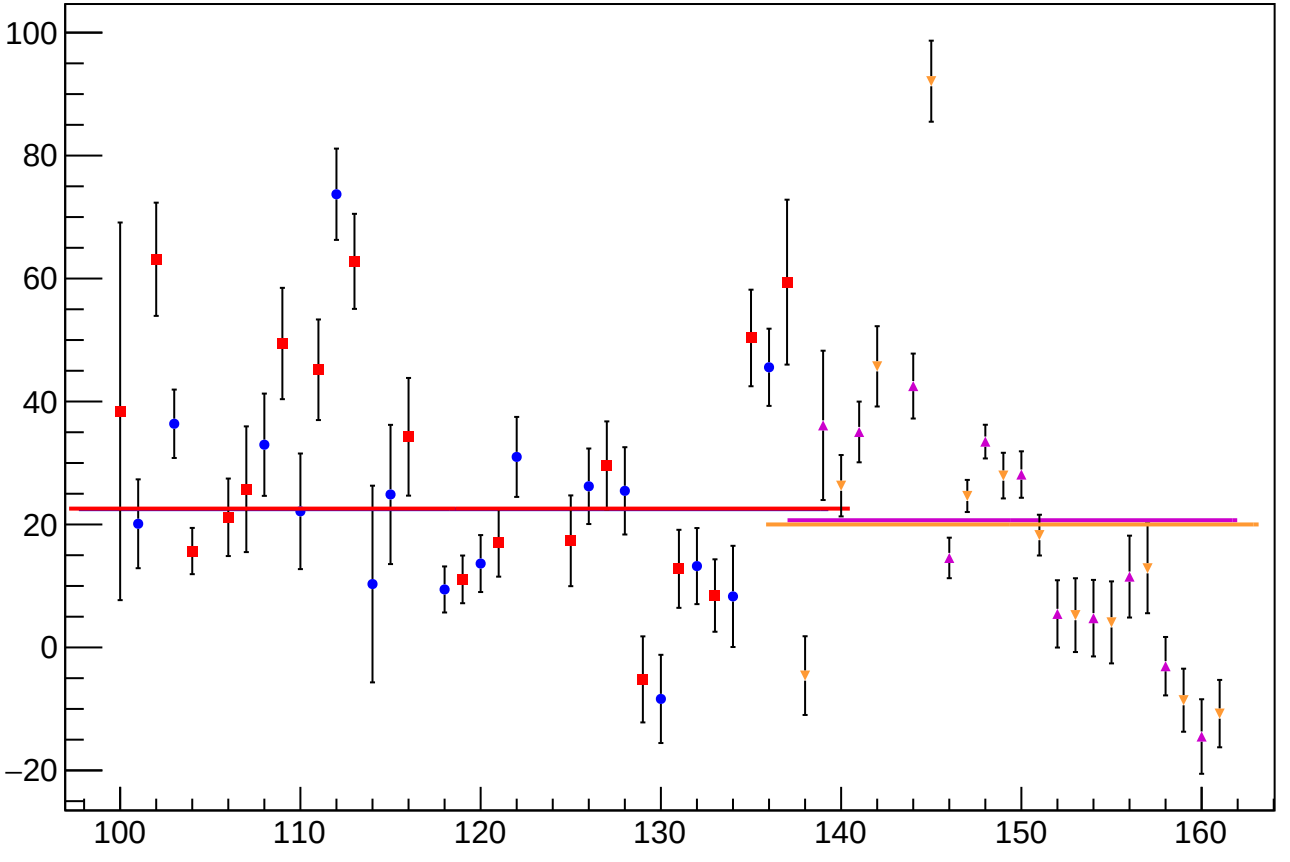
Left In: -372.339+/-2.123 χ^2/NDF:70.2/10

+ sign -314.339+/-1.278 χ^2/NDF: 3928.0/27

All: -311.359+/-0.895 χ^2/NDF: 8808.8/56

- sign -308.496+/-1.253 χ^2/NDF: 4870.1/28

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: 20.004+/-1.335 χ^2/NDF:234.7/11

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

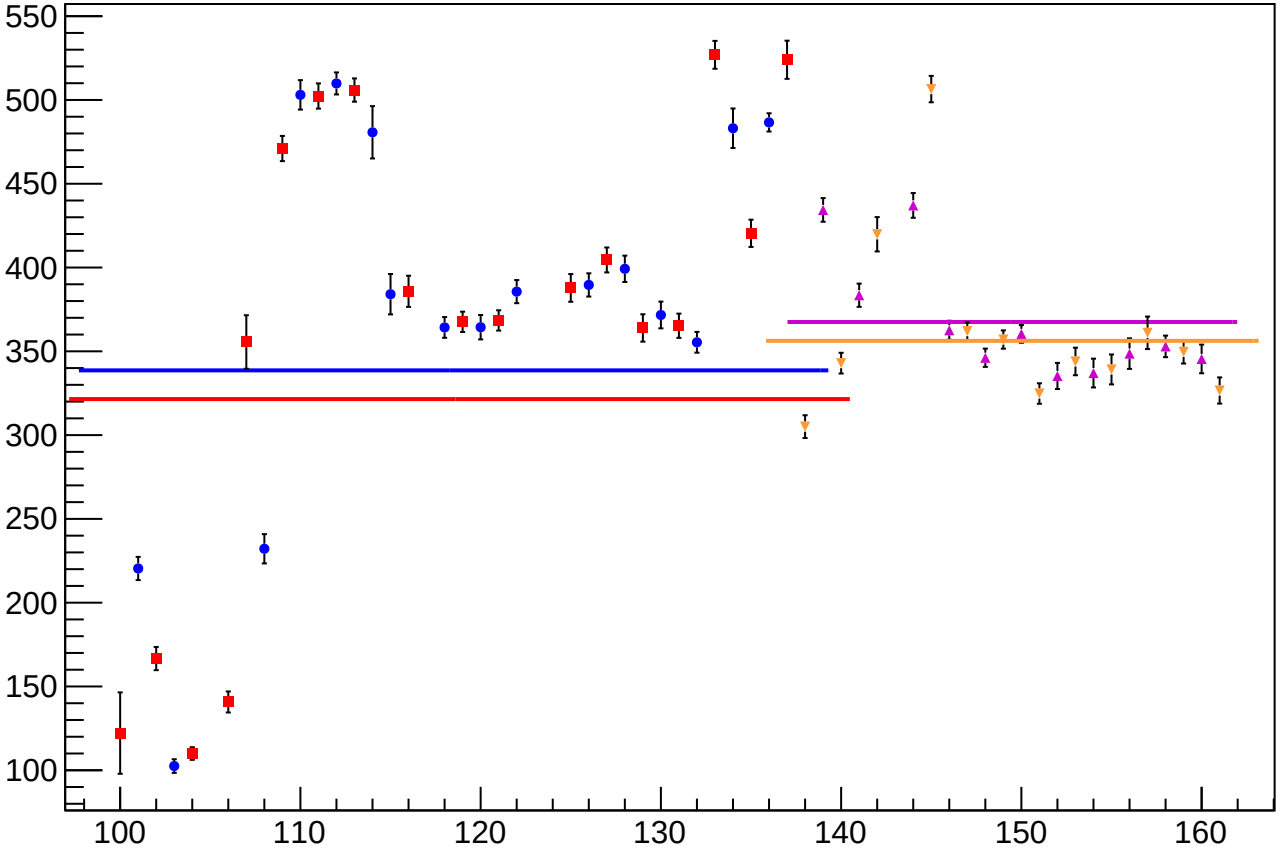
Left In: 20.689+/-1.371 χ^2/NDF:131.1/10

\+ sign 21.009+/-1.030 χ^2/NDF: 347.6/27

All: 21.258+/-0.729 χ^2/NDF: 602.9/56

\- sign 21.507+/-1.033 χ^2/NDF: 255.2/28

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: 356.251+/-2.024 χ^2/NDF:512.6/11

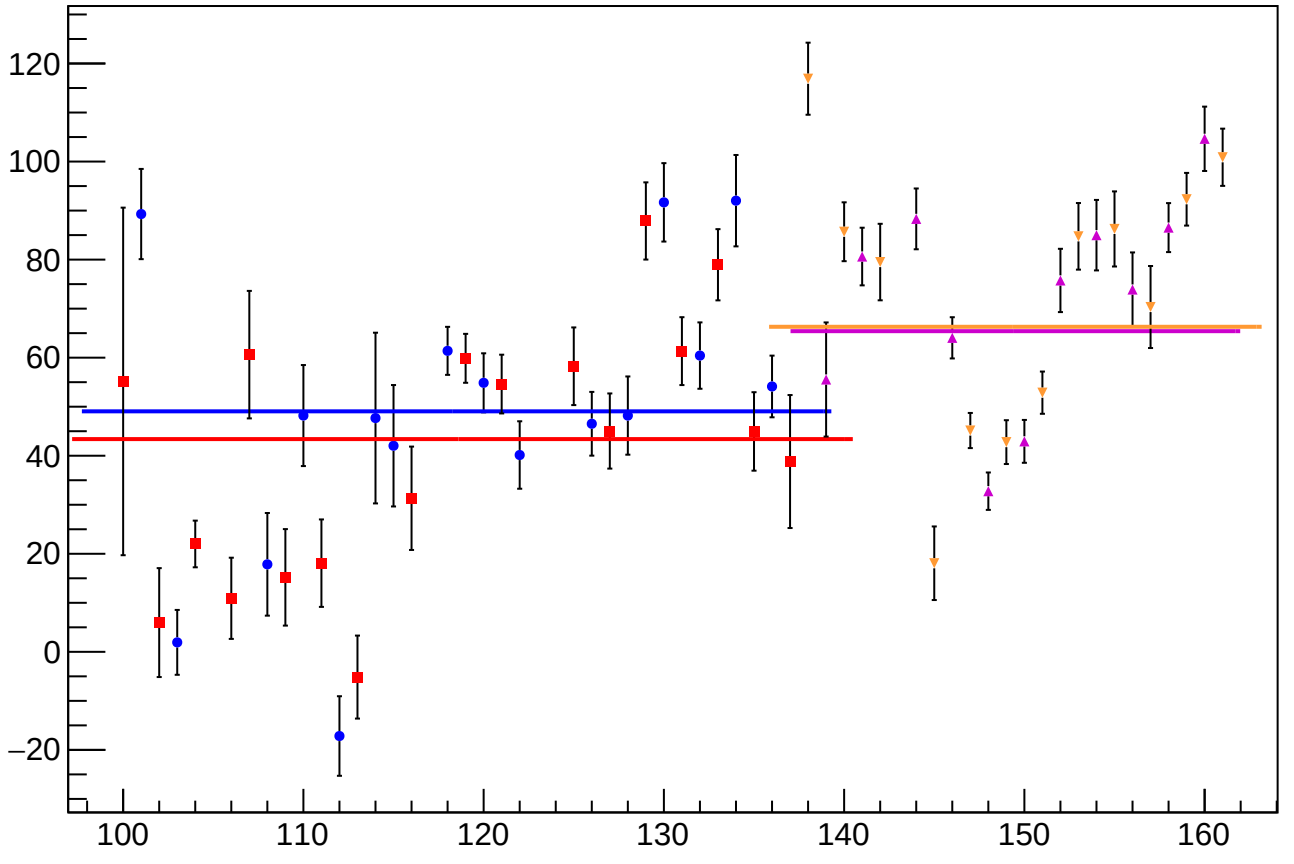
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 367.501+/-2.041 χ^2/NDF:247.5/10

+ sign 346.160+/-1.323 χ^2/NDF: 6598.6/27

All: 343.167+/-0.929 χ^2/NDF: 14877.7/56

- sign 340.261+/-1.304 χ^2/NDF: 8269.0/28



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 66.301+/-1.624 χ^2/NDF:247.2/11

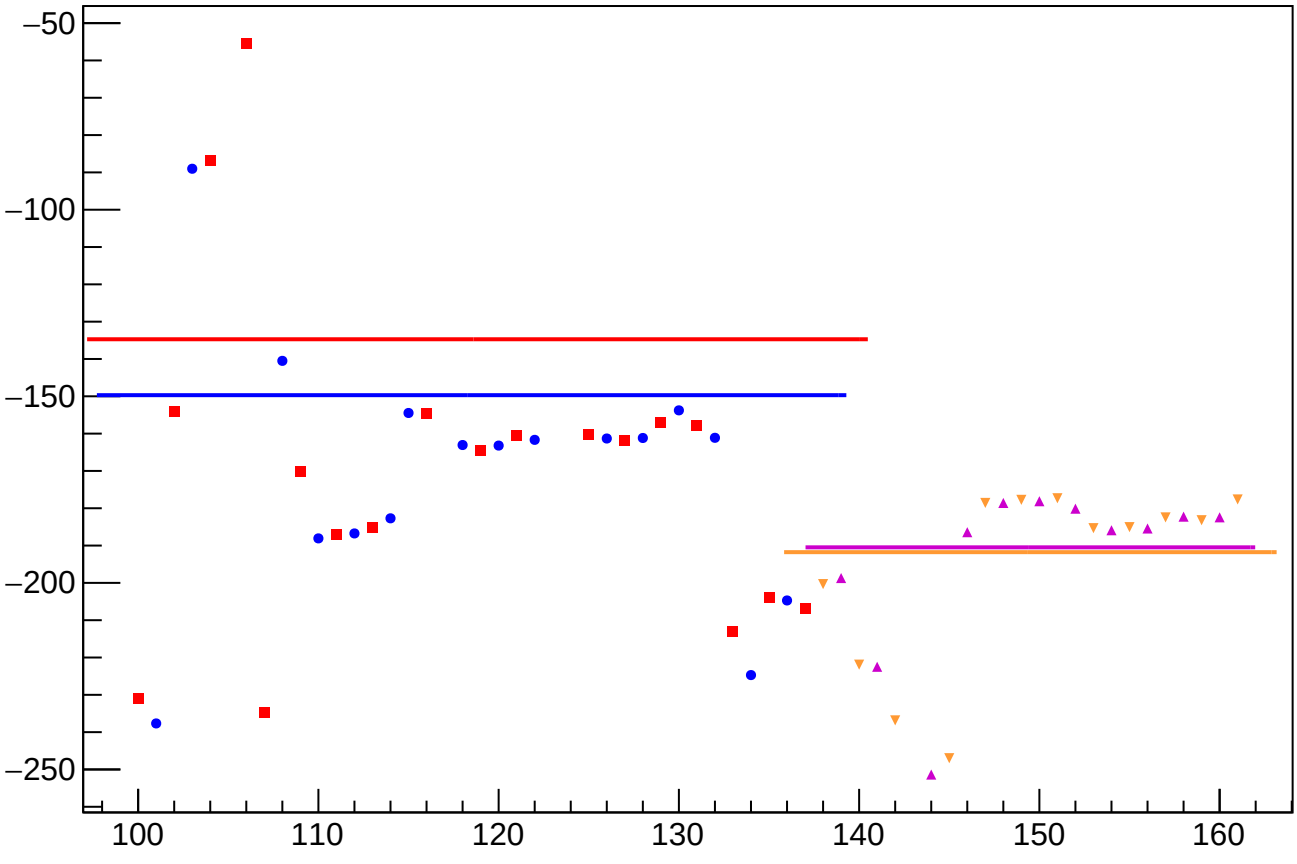
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 65.404+/-1.657 χ^2/NDF:185.7/10

+ sign 58.942+/-1.230 χ^2/NDF: 503.3/27

All: 57.225+/-0.869 χ^2/NDF: 952.2/56

- sign 55.508+/-1.230 χ^2/NDF: 445.0/28



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -191.767+/-0.079 χ^2/NDF:71935.4/11

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

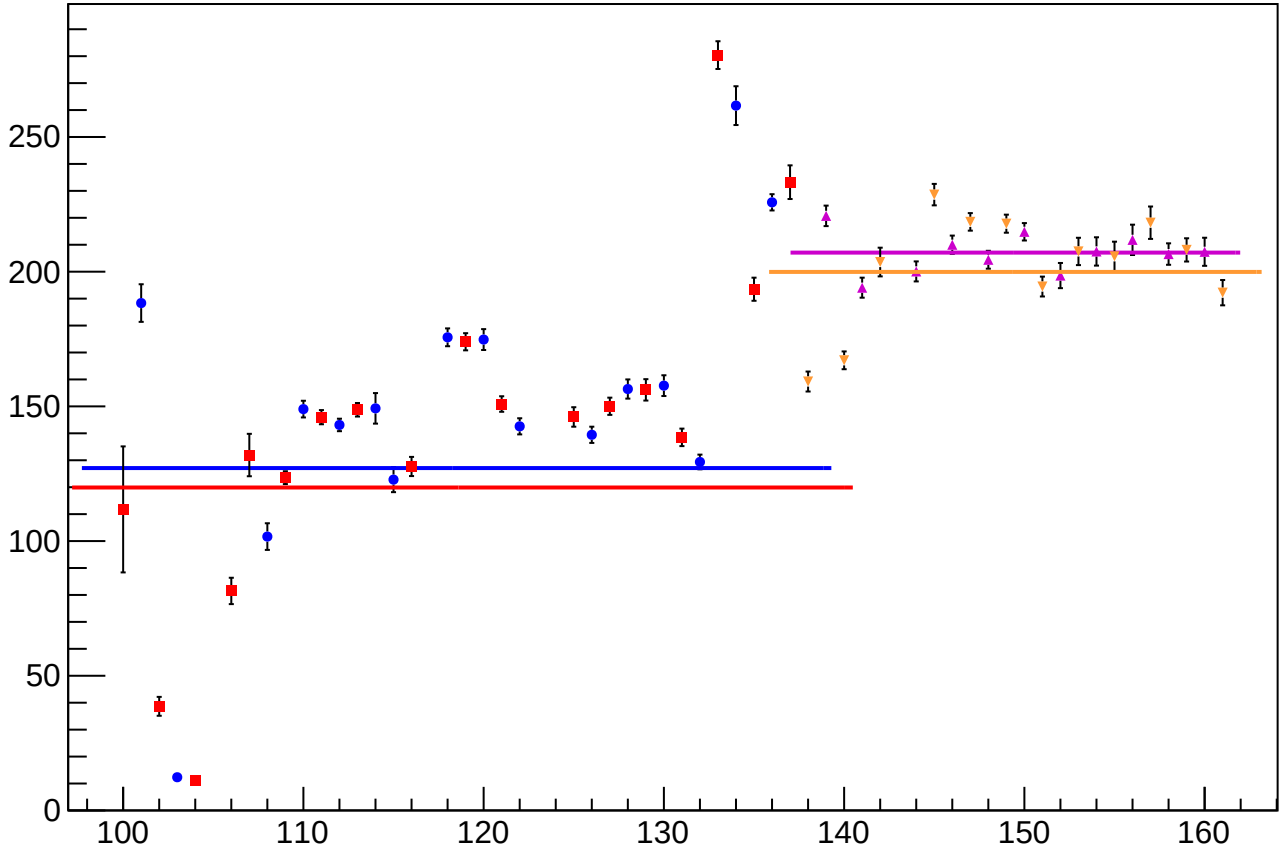
Left In: -190.475+/-0.078 χ^2/NDF:57981.1/10

+ sign -175.772+/-0.062 χ^2/NDF: 436320.6/27

All: -172.072+/-0.043 χ^2/NDF: 1014275.7/56

- sign -168.527+/-0.061 χ^2/NDF: 571018.9/28

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 199.914+/-1.179 χ^2/NDF:353.6/11

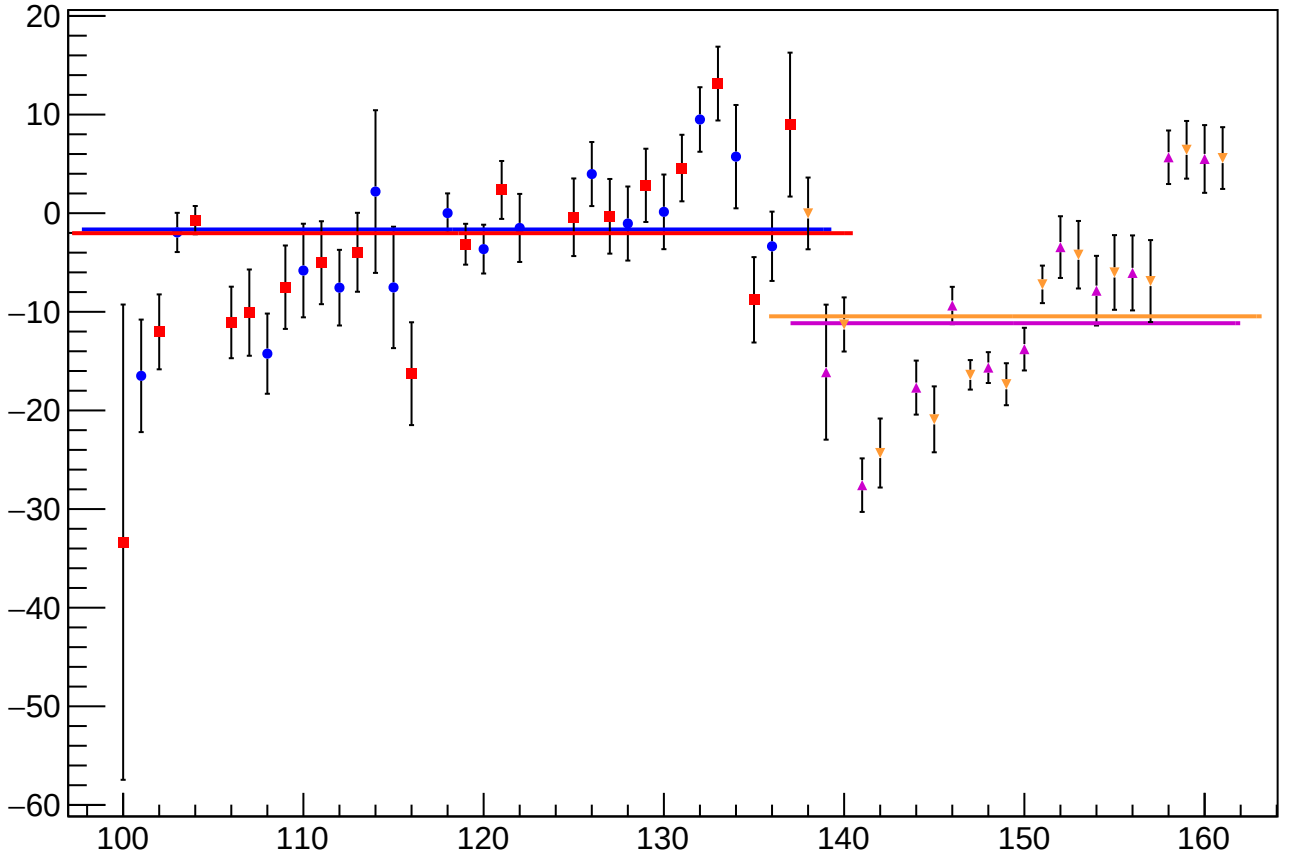
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 207.082+/-1.195 χ^2/NDF:39.8/10

\+ sign 150.468+/-0.668 χ^2/NDF: 9105.0/27

All: 148.001+/-0.466 χ^2/NDF: 19571.6/56

\- sign 145.669+/-0.650 χ^2/NDF: 10440.1/28



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -10.456+/-0.755 χ^2/NDF:127.9/11

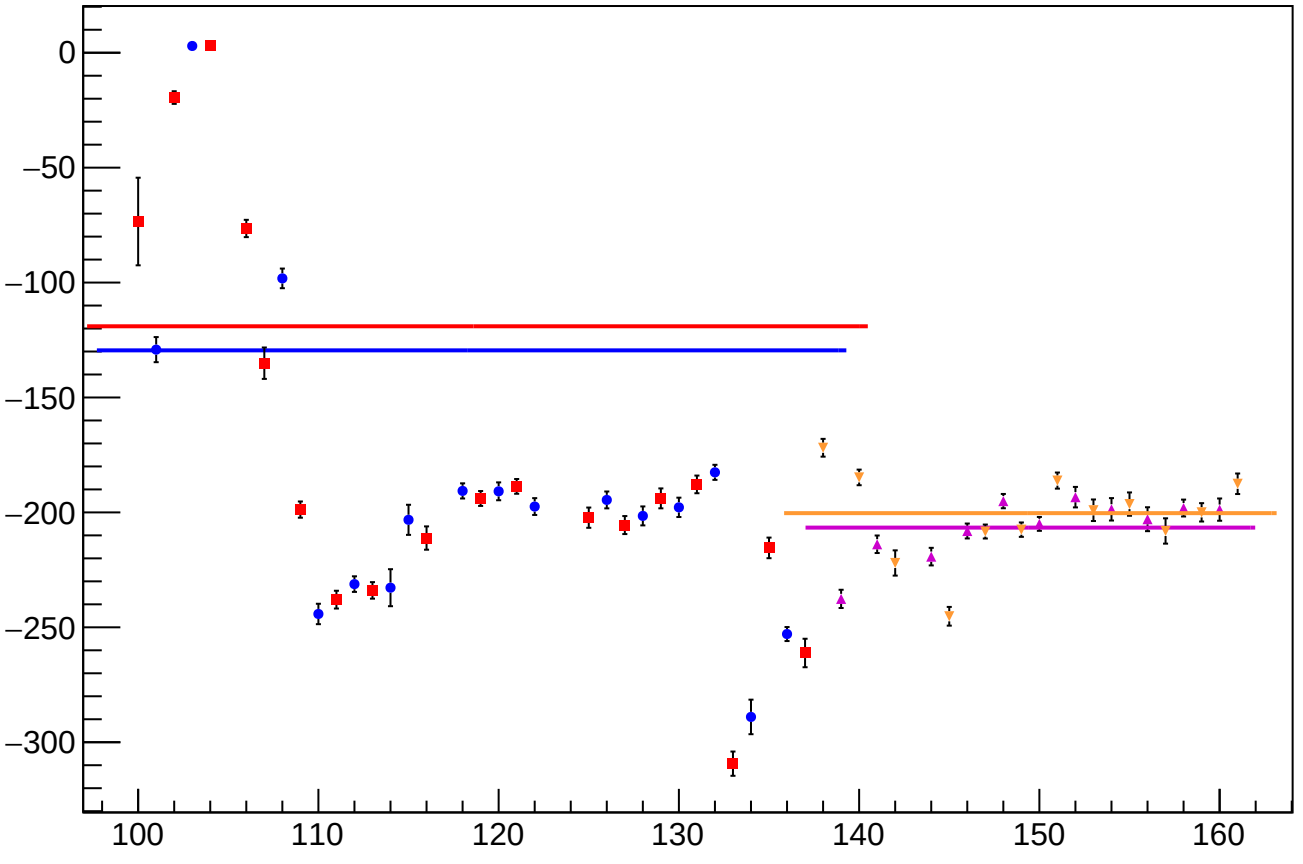
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -11.155+/-0.775 χ^2/NDF:124.1/10

+ sign -6.484+/-0.559 χ^2/NDF: 228.3/27

All: -6.524+/-0.391 χ^2/NDF: 480.8/56

- sign -6.562+/-0.546 χ^2/NDF: 252.5/28



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -200.324+/-1.140 χ^2/NDF:251.4/11

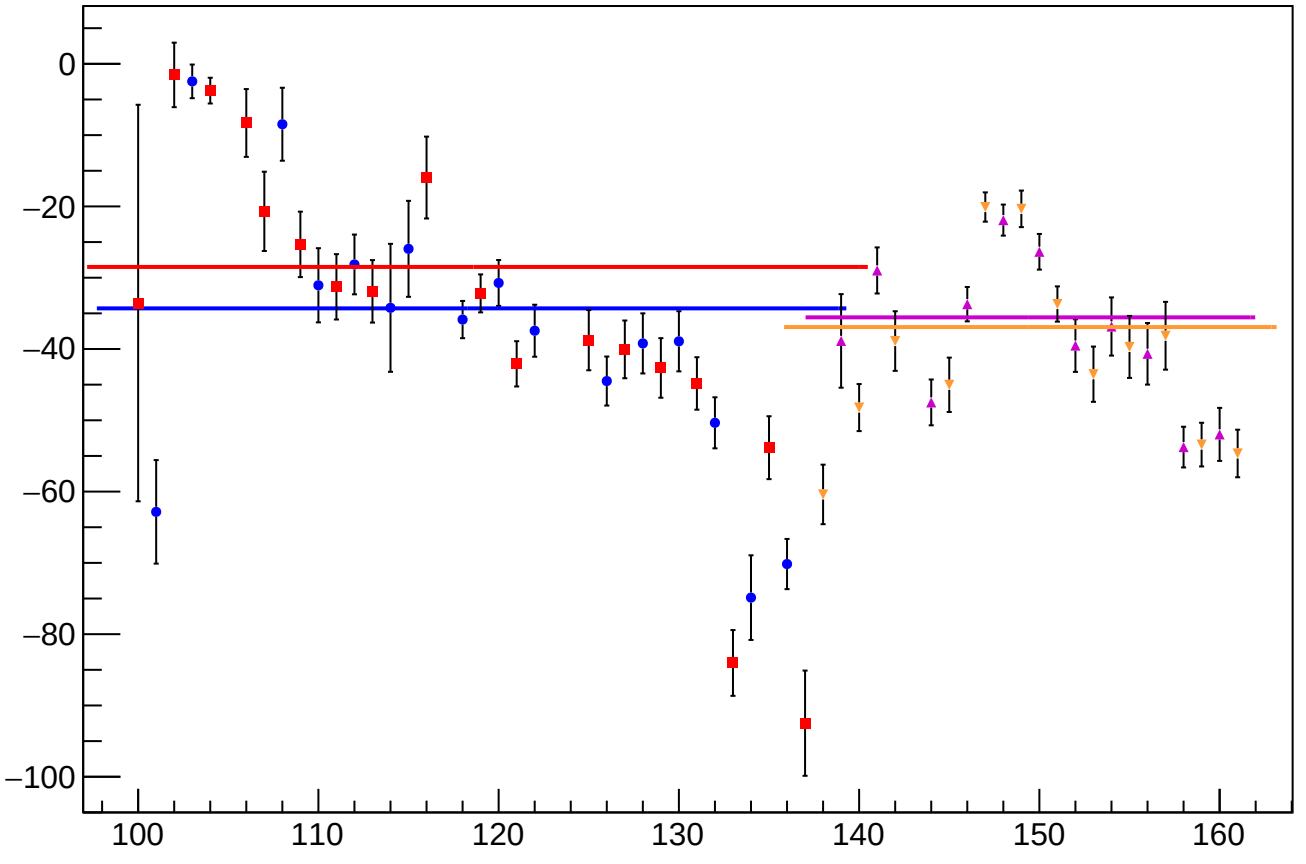
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -206.618+/-1.151 χ^2/NDF:109.9/10

\+ sign -154.655+/-0.680 χ^2/NDF: 17426.5/27

All: -151.338+/-0.475 χ^2/NDF: 37625.5/56

\- sign -148.173+/-0.664 χ^2/NDF: 20152.4/28



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -36.923+/-0.917 χ^2/NDF:219.4/11

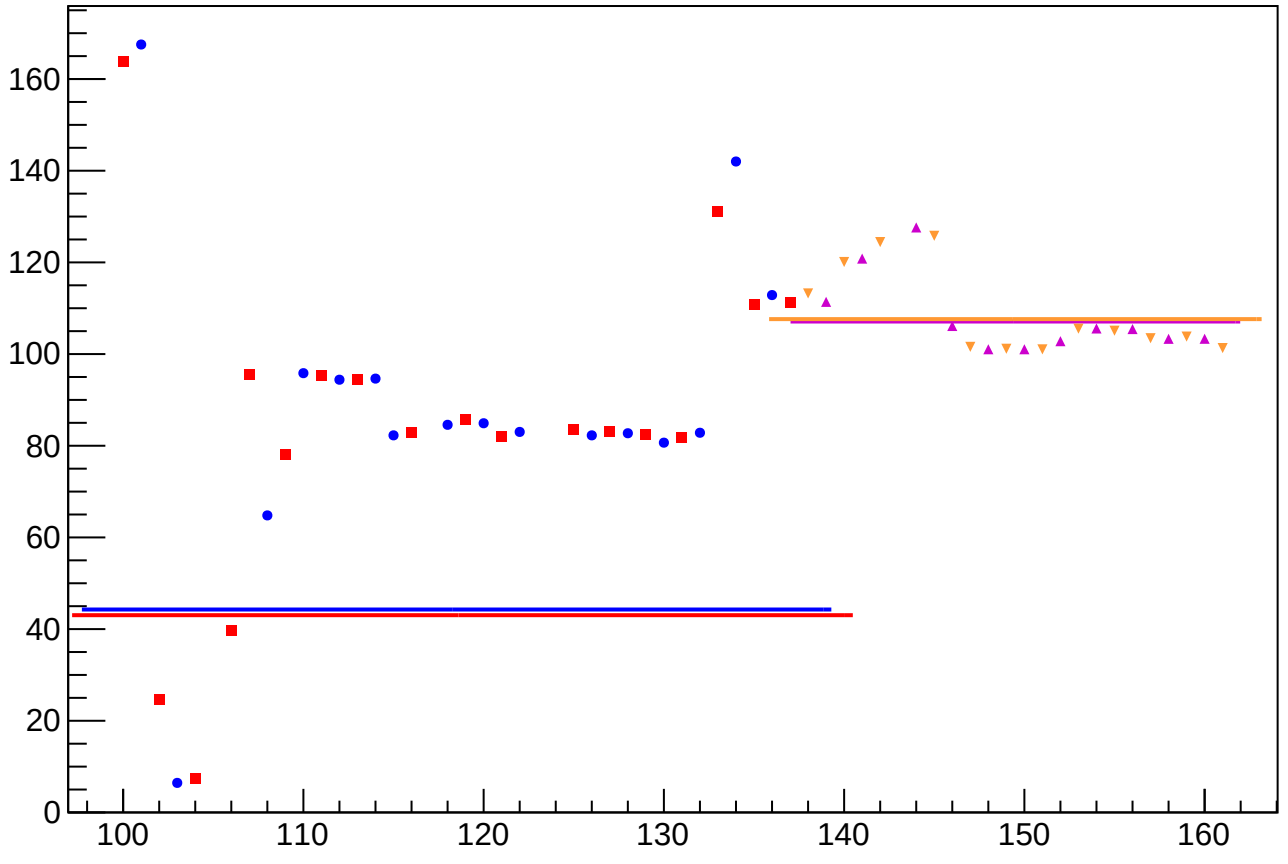
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -35.562+/-0.936 χ^2/NDF:134.3/10

+ sign -35.682+/-0.666 χ^2/NDF: 634.6/27

All: -33.756+/-0.466 χ^2/NDF: 1382.7/56

- sign -31.912+/-0.651 χ^2/NDF: 731.8/28



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 107.625+/-0.045 χ^2/NDF:36281.8/11

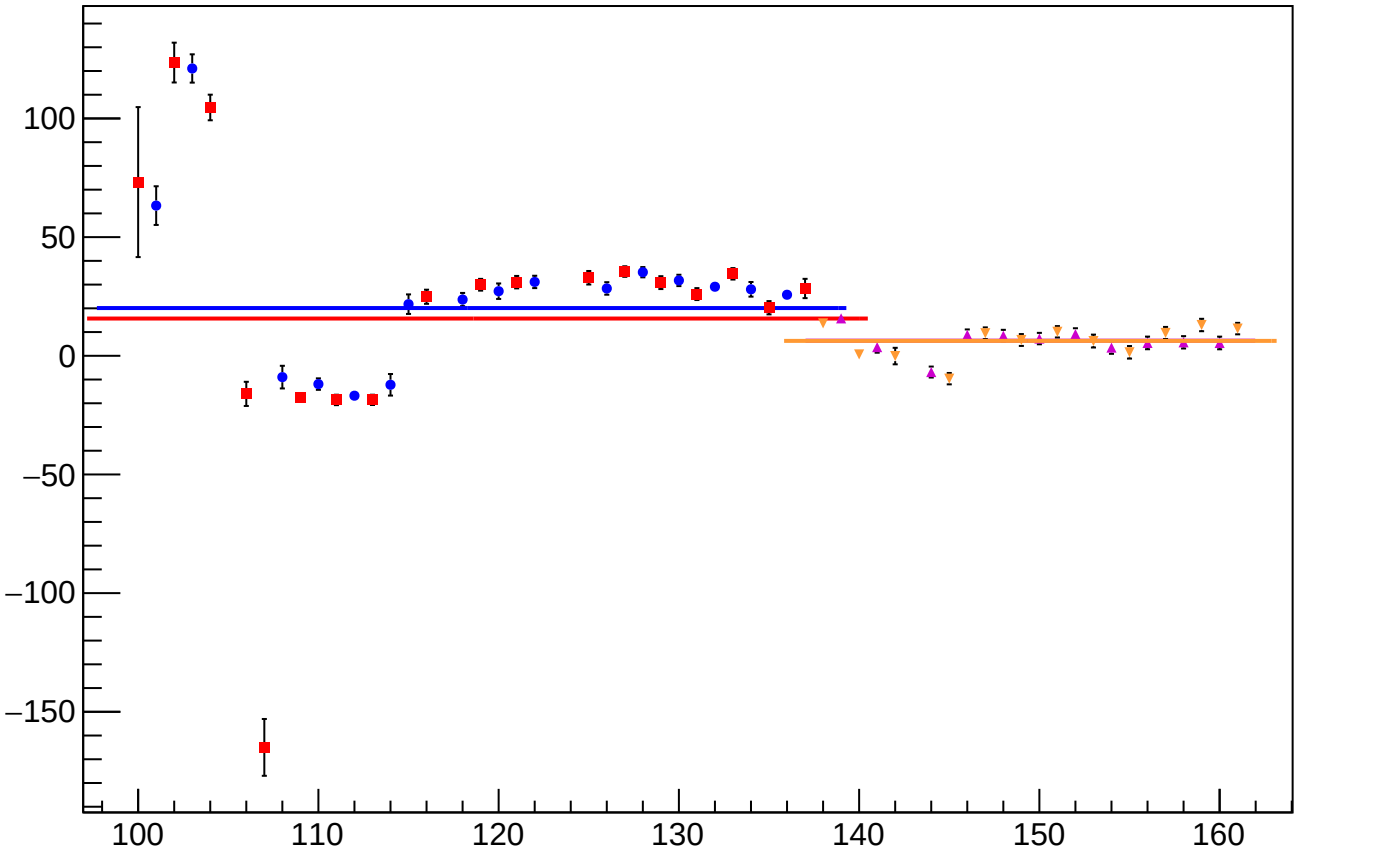
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 107.101+/-0.044 χ^2/NDF:30031.5/10

+ sign 76.238+/-0.032 χ^2/NDF: 2123955.2/27

All: 75.969+/-0.022 χ^2/NDF: 3991101.8/56

- sign 75.702+/-0.032 χ^2/NDF: 1867002.1/28



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 6.283+/-0.713 χ^2/NDF:87.9/11

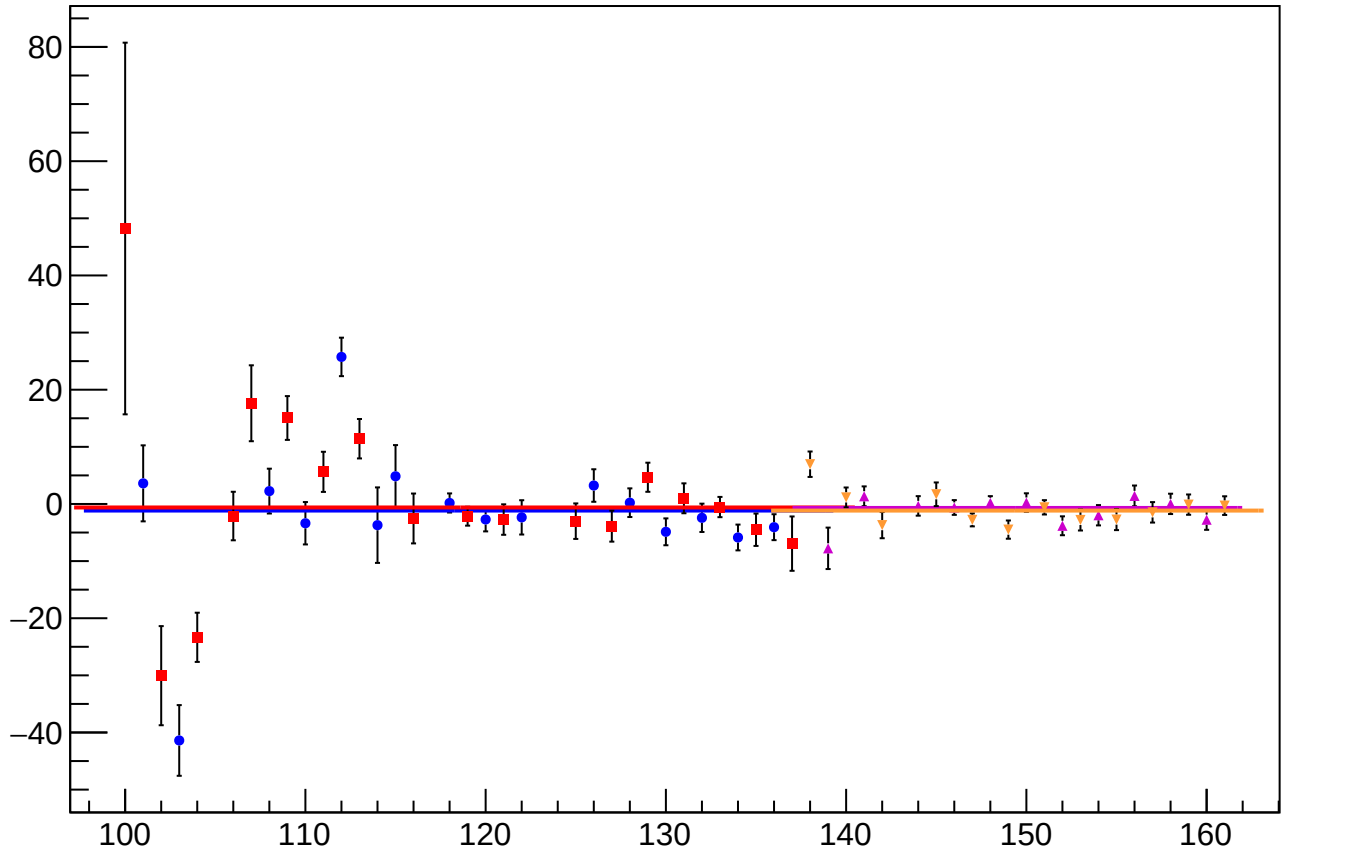
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.370+/-0.728 χ^2/NDF:60.9/10

\+ sign 13.457+/-0.495 χ^2/NDF: 1331.2/27

All: 12.404+/-0.351 χ^2/NDF: 3262.5/56

\- sign 11.339+/-0.498 χ^2/NDF: 1922.2/28



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -1.157+/-0.480 χ^2/NDF:27.0/11

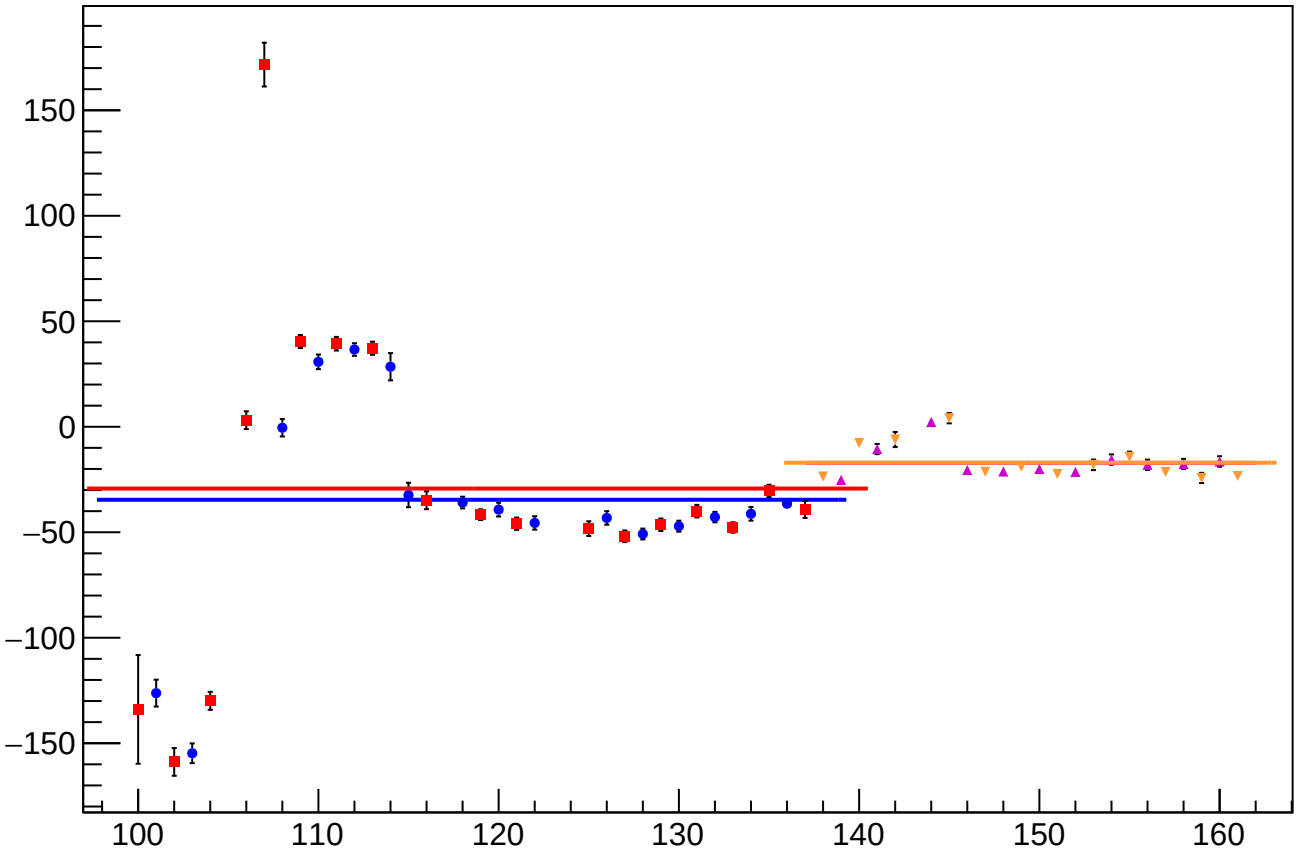
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.697+/-0.495 χ^2/NDF:13.1/10

+ sign -1.155+/-0.395 χ^2/NDF: 148.8/27

All: -0.919+/-0.283 χ^2/NDF: 256.0/56

- sign -0.670+/-0.406 χ^2/NDF: 106.5/28



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -17.042+/-0.690 χ^2/NDF:143.0/11

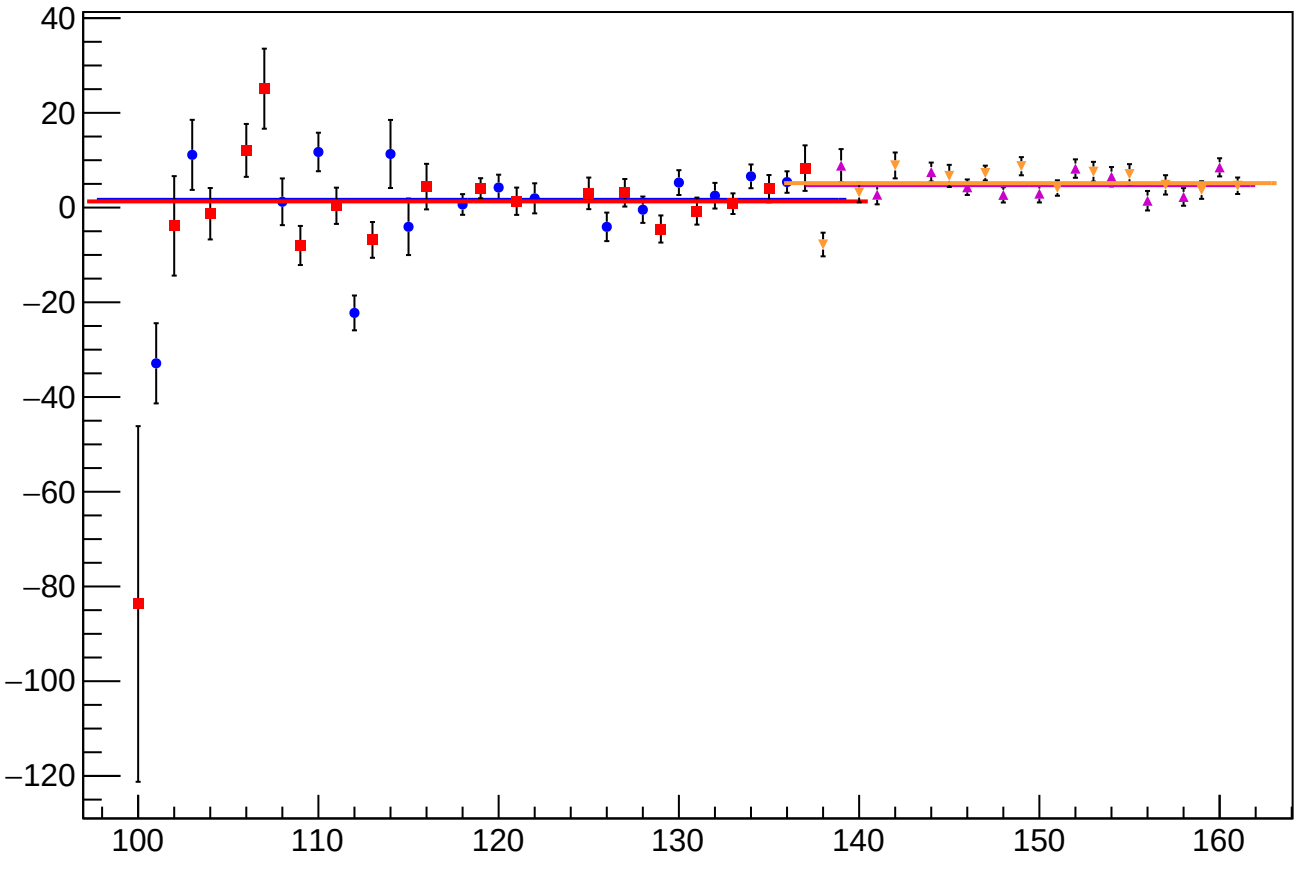
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.106+/-0.703 χ^2/NDF:100.0/10

\+ sign -24.675+/-0.518 χ^2/NDF: 2483.3/27

All: -23.562+/-0.370 χ^2/NDF: 5804.5/56

\- sign -22.408+/-0.528 χ^2/NDF: 3311.8/28



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 5.155+/-0.570 χ^2/NDF:38.8/11

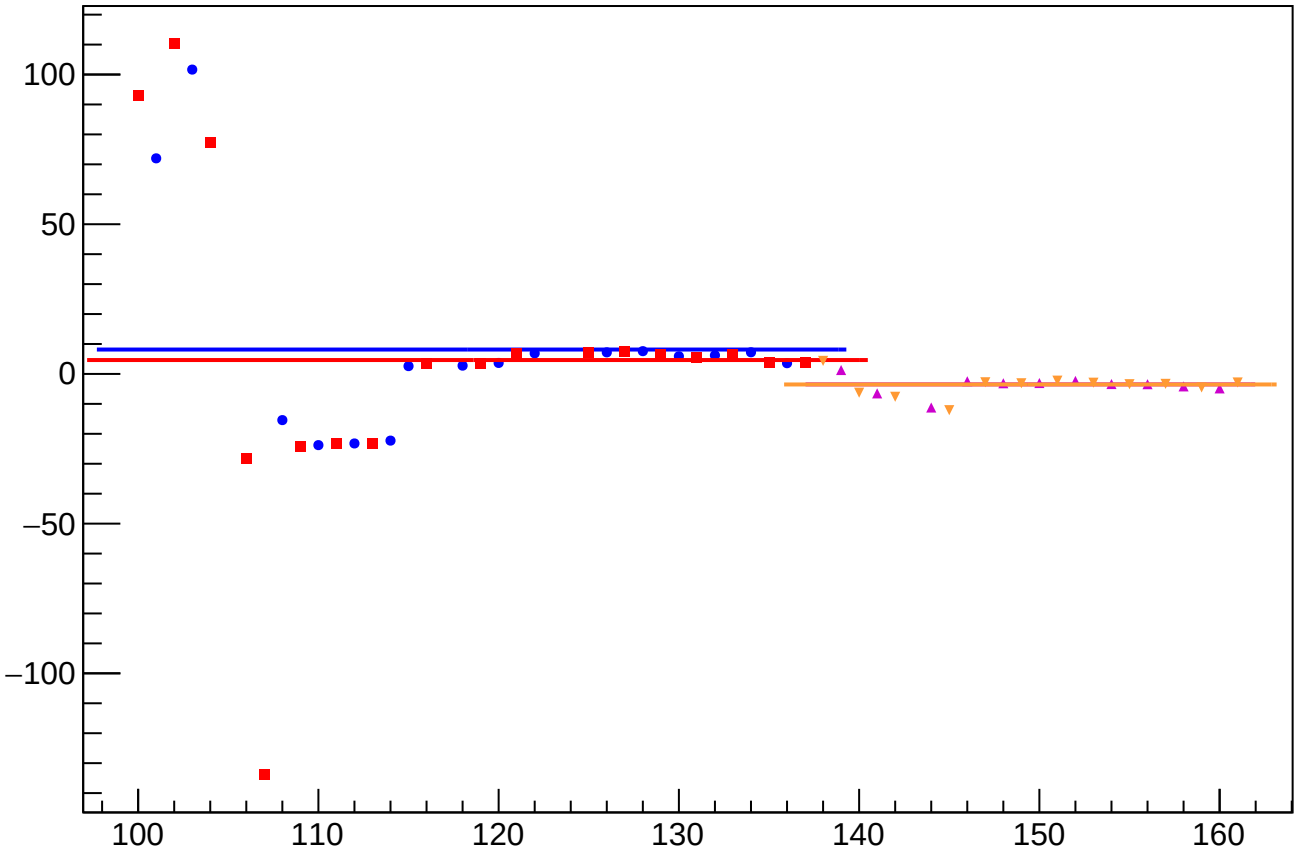
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.735+/-0.587 χ^2/NDF:19.0/10

\+ sign 3.963+/-0.463 χ^2/NDF: 135.0/27

All: 3.769+/-0.332 χ^2/NDF: 203.6/56

\- sign 3.565+/-0.477 χ^2/NDF: 68.2/28



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.520+/-0.026 χ^2/NDF:18577.5/11

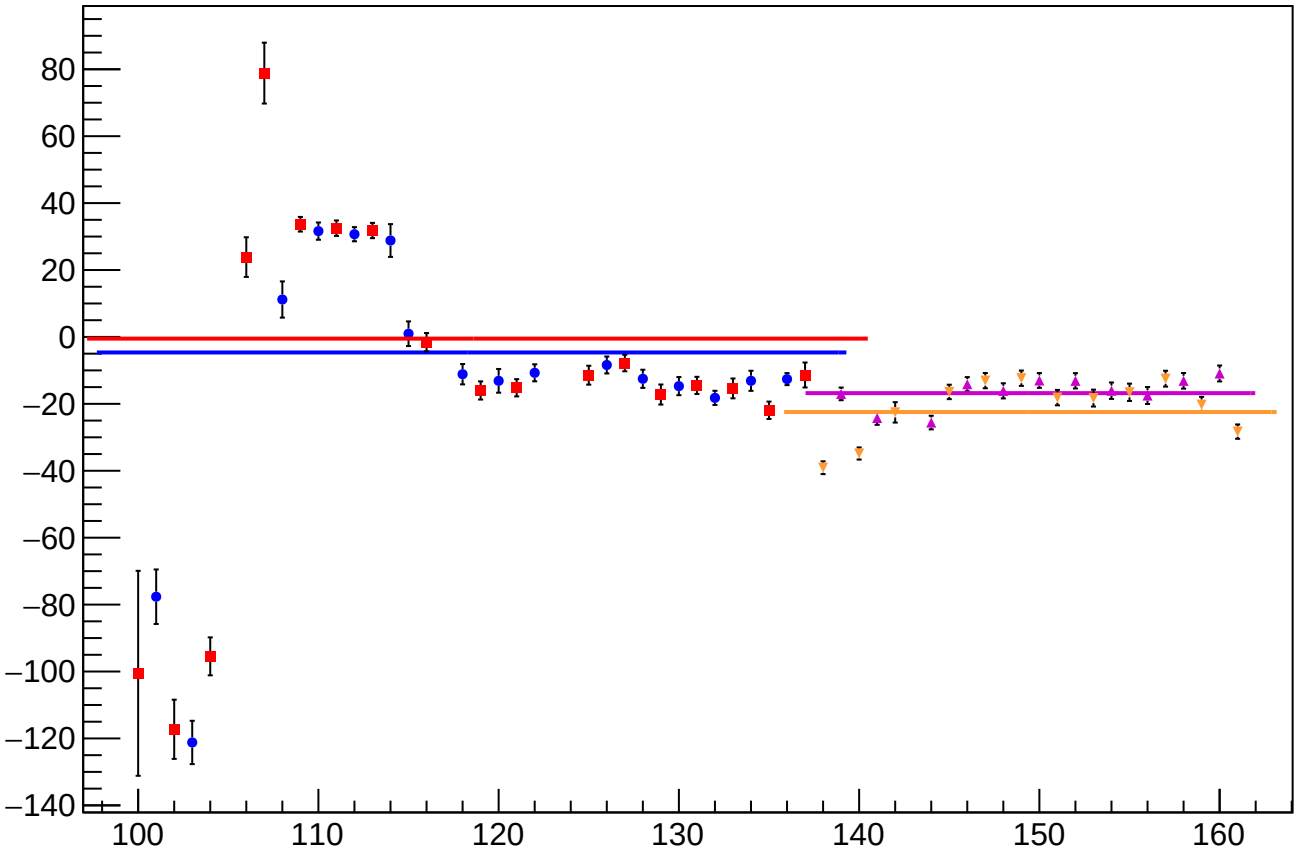
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.490+/-0.026 χ^2/NDF:11011.2/10

+ sign -0.907+/-0.023 χ^2/NDF: 377065.8/27

All: -1.352+/-0.016 χ^2/NDF: 855301.1/56

- sign -1.818+/-0.023 χ^2/NDF: 477462.1/28



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -22.444+/-0.652 χ^2/NDF:202.9/11

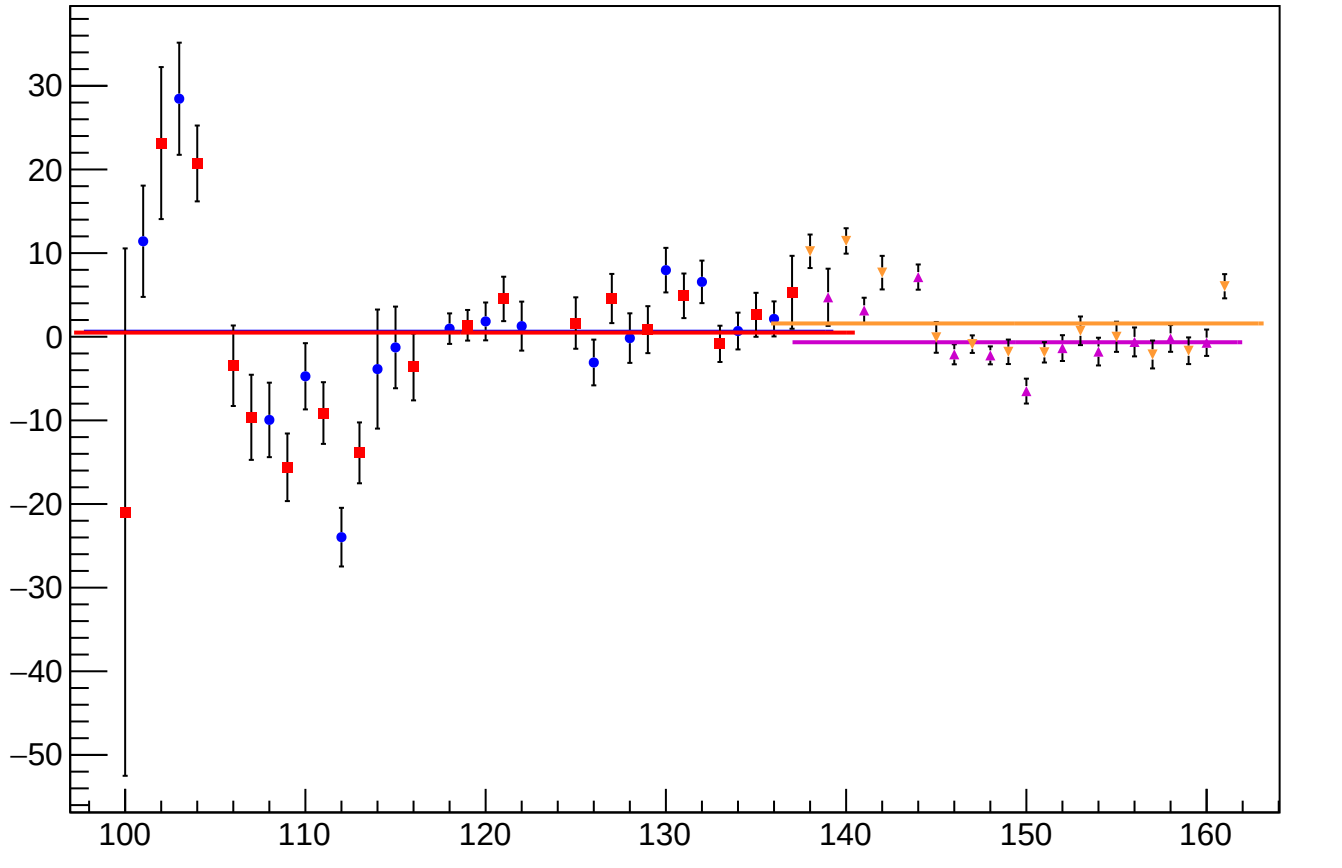
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -16.797+/-0.667 χ^2/NDF:47.4/10

+ sign -14.312+/-0.481 χ^2/NDF: 1589.3/27

All: -11.769+/-0.342 χ^2/NDF: 3430.3/56

- sign -9.165+/-0.487 χ^2/NDF: 1784.5/28



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 1.589+/-0.440 χ^2/NDF:109.4/11

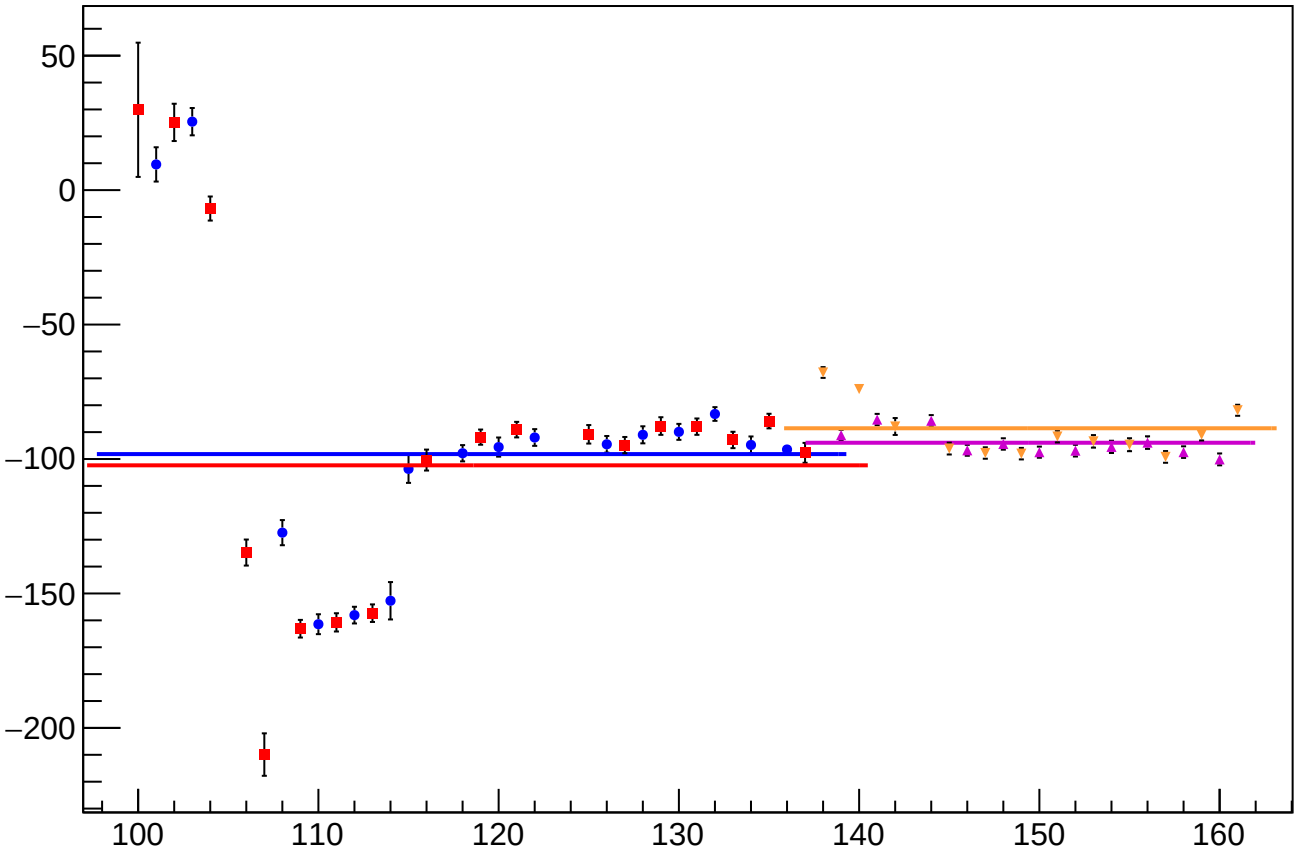
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.658+/-0.452 χ^2/NDF:55.2/10

+ sign 1.324+/-0.377 χ^2/NDF: 203.6/27

All: 0.510+/-0.270 χ^2/NDF: 350.3/56

- sign -0.353+/-0.388 χ^2/NDF: 137.1/28



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -88.565+/-0.632 χ^2/NDF:266.2/11

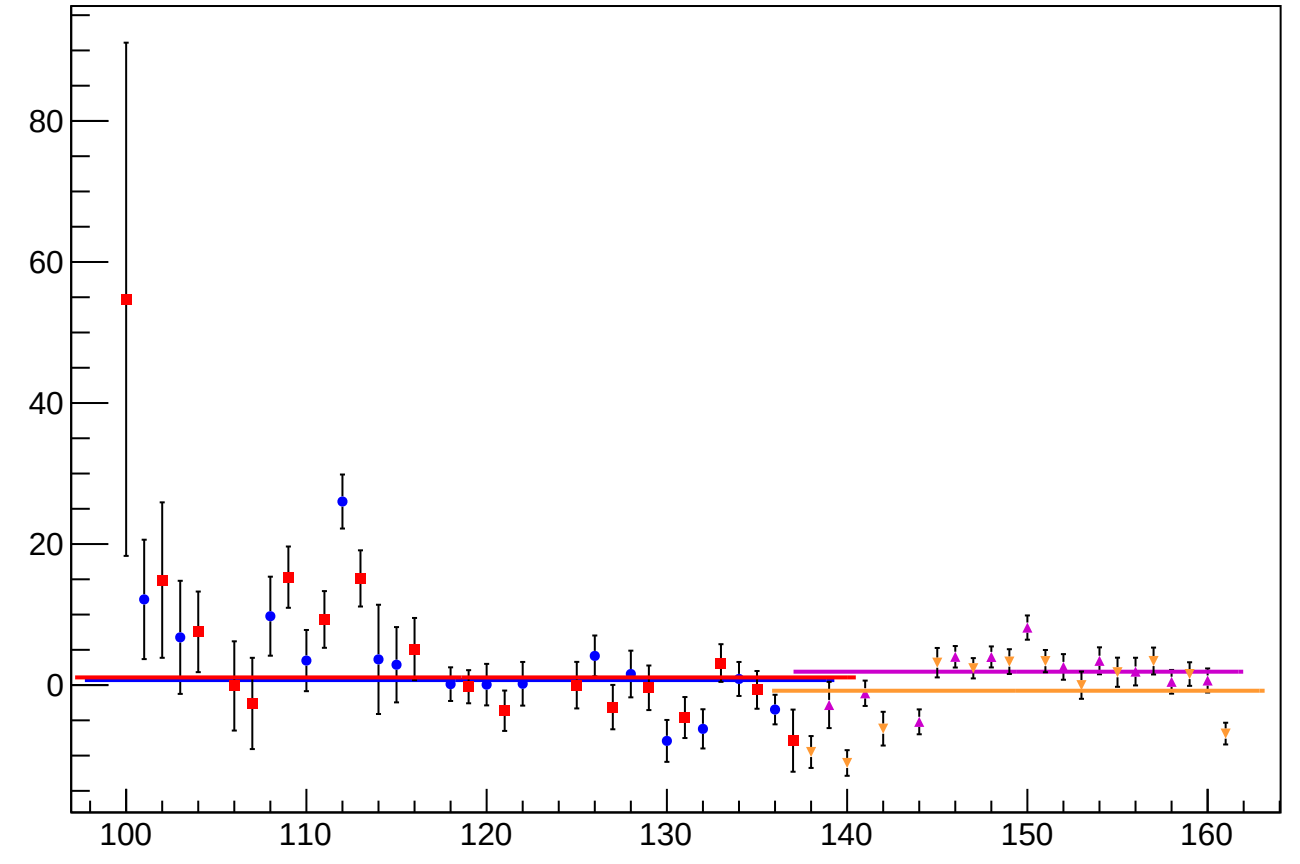
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -93.950+/-0.644 χ^2/NDF:51.4/10

+ sign -92.184+/-0.499 χ^2/NDF: 2053.1/27

All: -94.573+/-0.357 χ^2/NDF: 4332.2/56

- sign -97.076+/-0.511 χ^2/NDF: 2232.1/28



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -0.801+/-0.522 χ^2/NDF:96.9/11

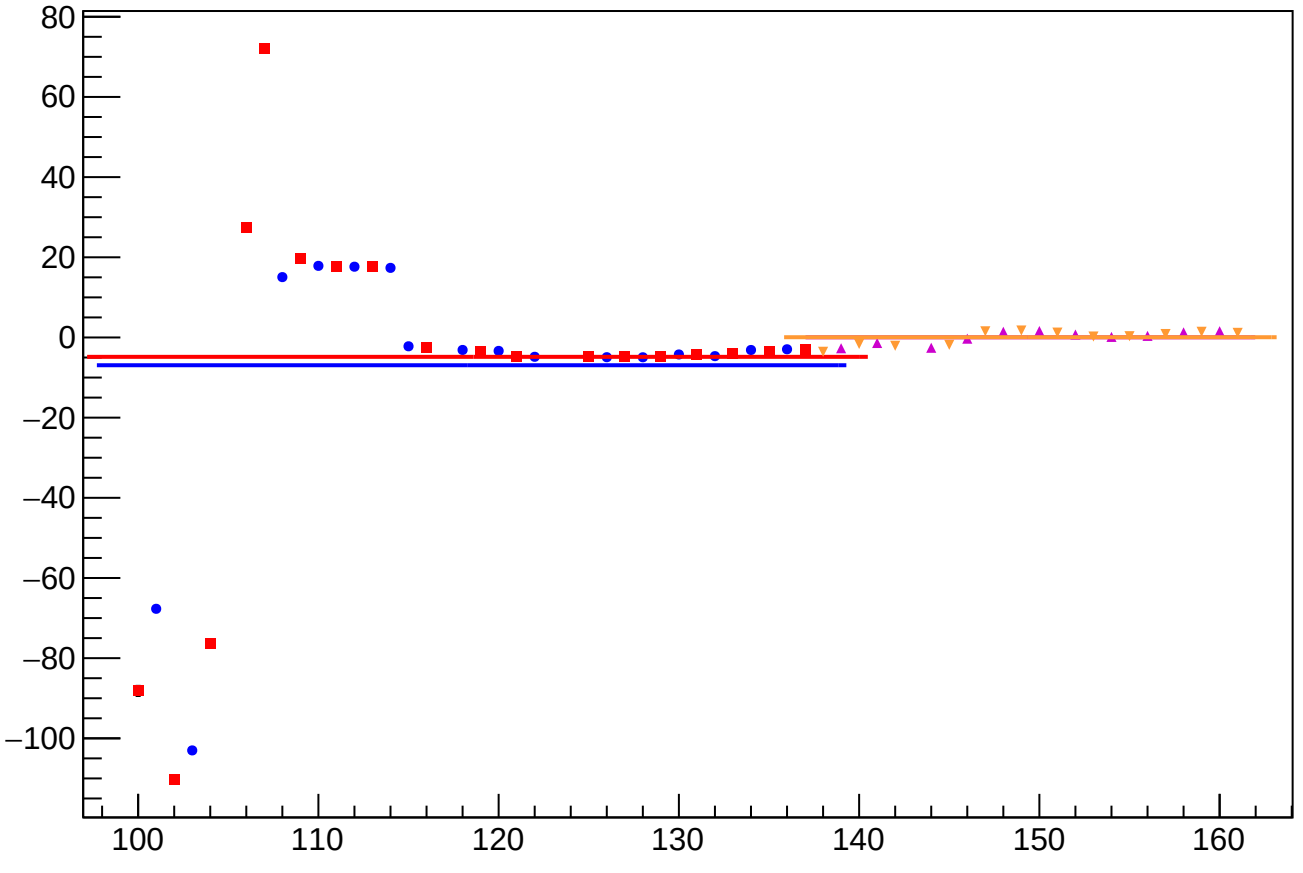
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 1.898+/-0.536 χ^2/NDF:40.4/10

+ sign -0.366+/-0.441 χ^2/NDF: 169.0/27

All: 0.621+/-0.316 χ^2/NDF: 268.0/56

- sign 1.670+/-0.455 χ^2/NDF: 88.7/28



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: 0.060+/-0.024 χ^2/NDF:4728.5/11

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

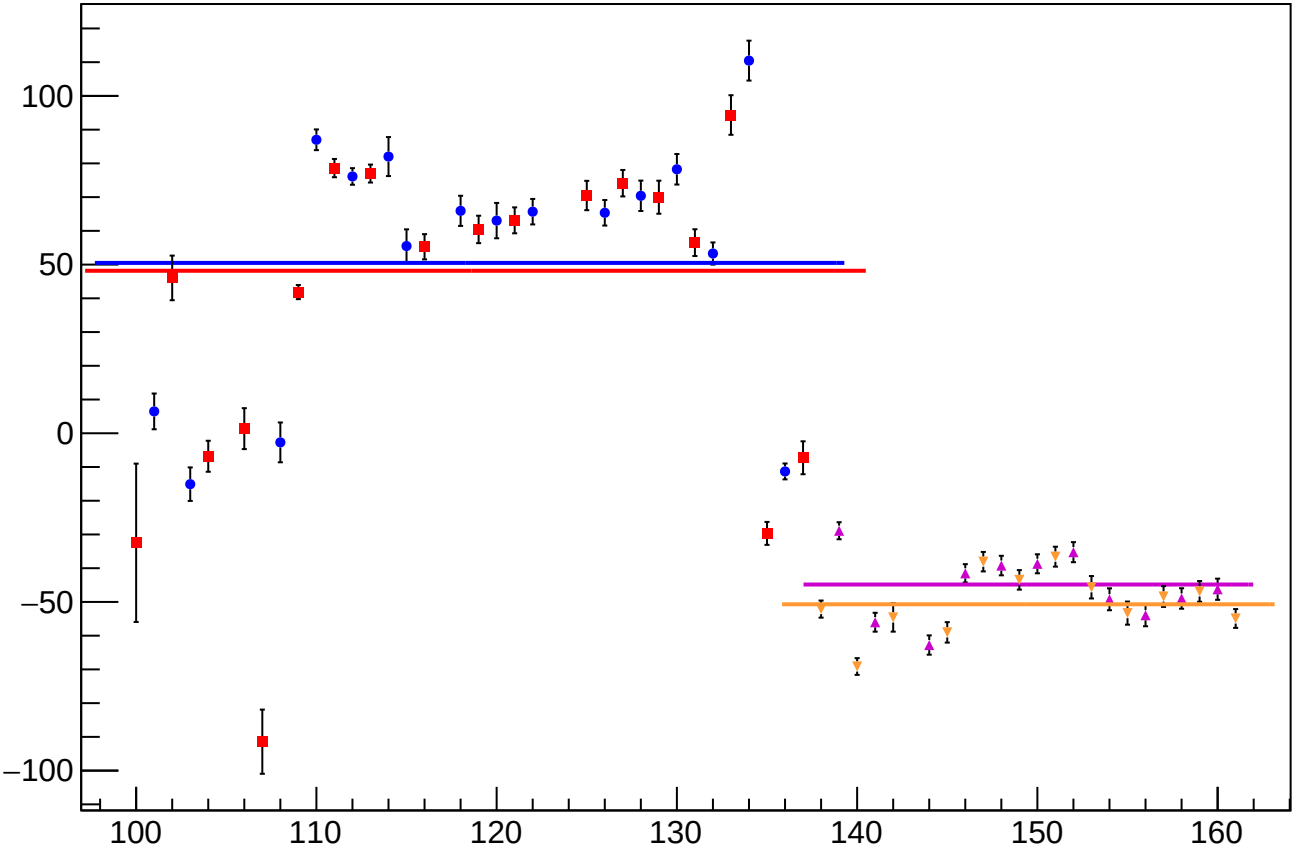
Left In: 0.037+/-0.024 χ^2/NDF:3916.1/10

+ sign -1.304+/-0.021 χ^2/NDF: 286599.0/27

All: -1.062+/-0.015 χ^2/NDF: 637170.7/56

- sign -0.807+/-0.022 χ^2/NDF: 350310.5/28

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.698+/-0.860 χ^2/NDF:119.5/11

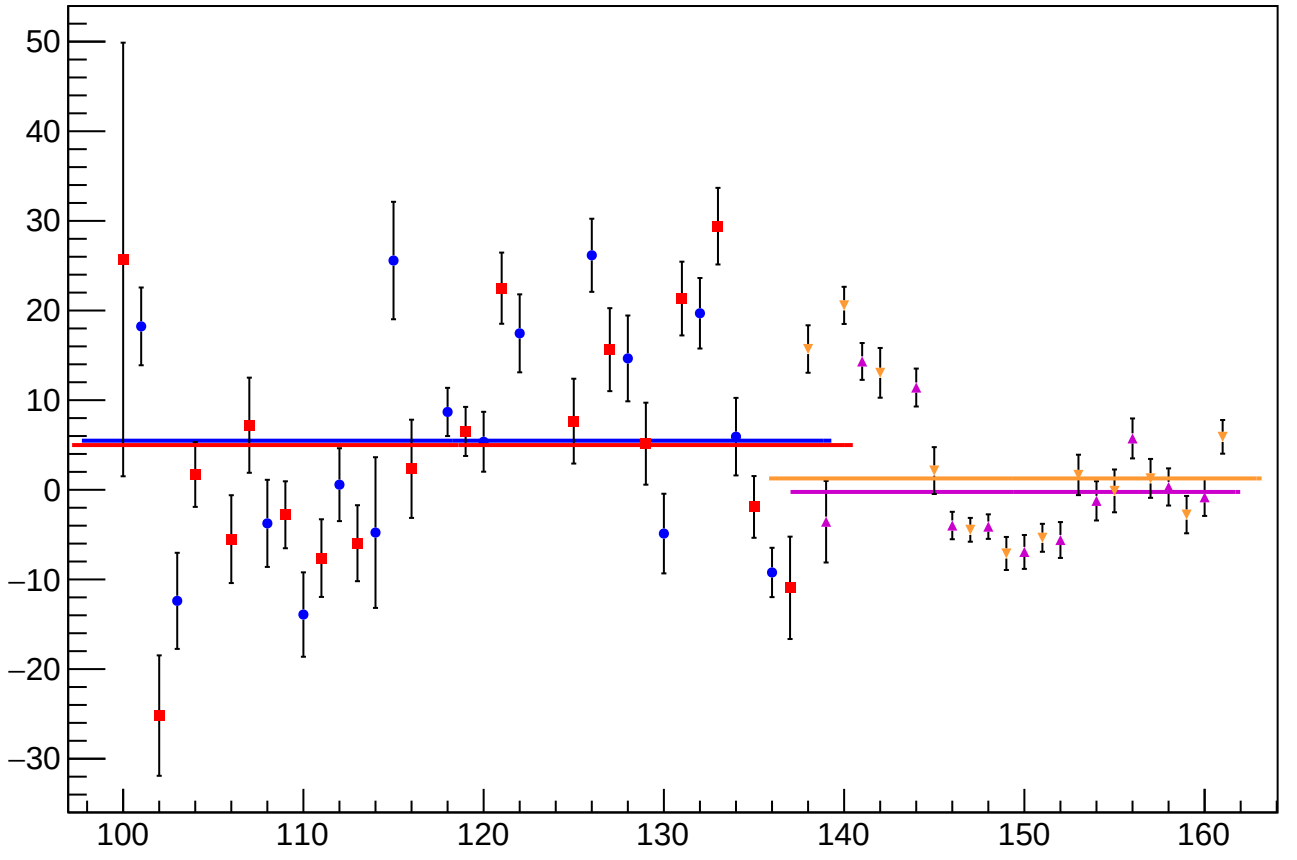
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -44.836+/-0.877 χ^2/NDF:127.2/10

+ sign -5.932+/-0.642 χ^2/NDF: 7752.0/27

All: -3.048+/-0.451 χ^2/NDF: 14825.3/56

- sign -0.243+/-0.633 χ^2/NDF: 7033.5/28



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 1.270+/-0.575 χ^2/NDF:202.1/11

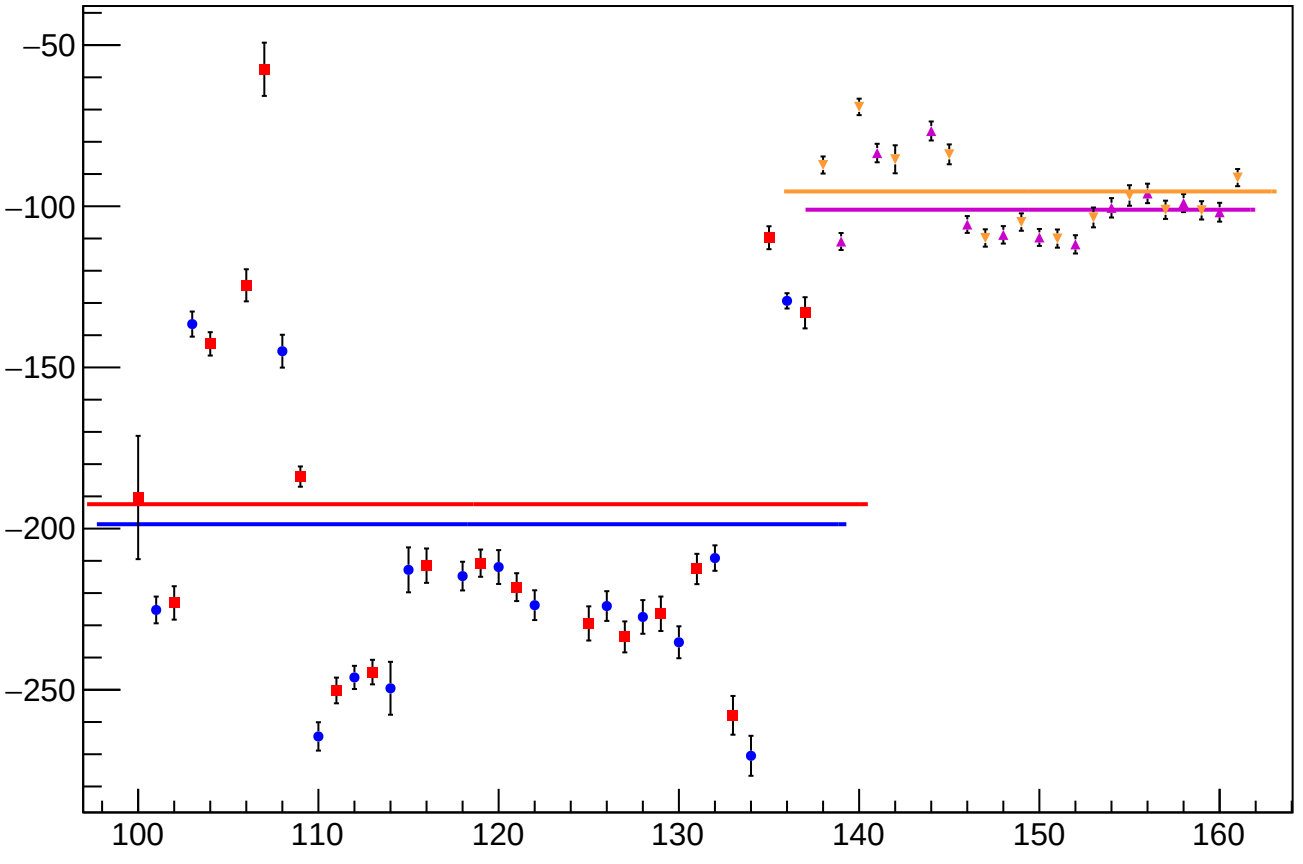
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -0.238+/-0.590 χ^2/NDF:122.3/10

+ sign 2.284+/-0.501 χ^2/NDF: 353.2/27

All: 1.688+/-0.358 χ^2/NDF: 629.8/56

- sign 1.068+/-0.511 χ^2/NDF: 273.7/28



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.401+/-0.831 χ^2/NDF:220.4/11

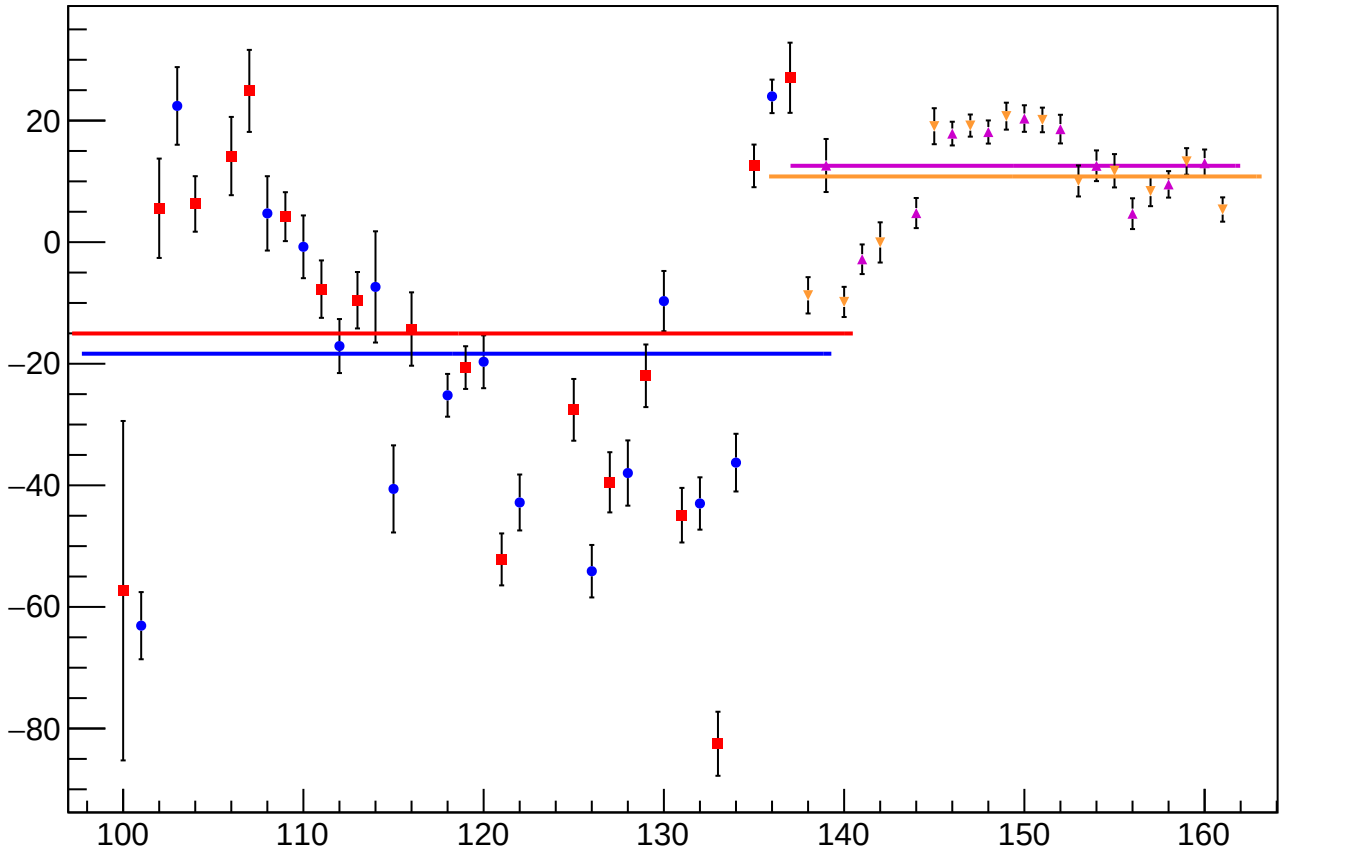
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.067+/-0.846 χ^2/NDF:160.1/10

+ sign -133.636+/-0.659 χ^2/NDF: 7940.4/27

All: -134.708+/-0.468 χ^2/NDF: 14682.3/56

- sign -135.801+/-0.666 χ^2/NDF: 6736.6/28



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 10.806+/-0.684 χ^2/NDF:202.7/11

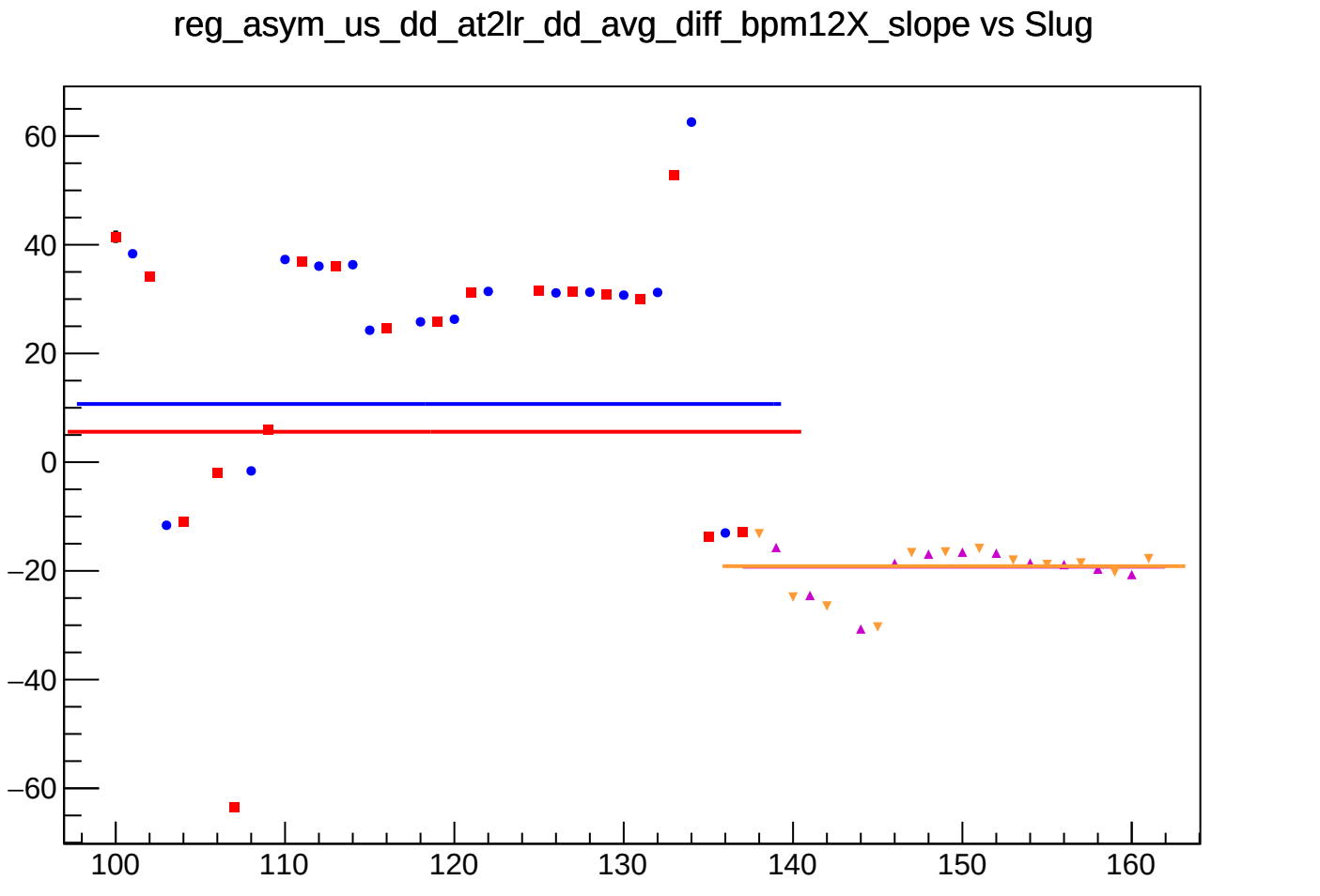
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 12.562+/-0.701 χ^2/NDF:96.4/10

+ sign 3.281+/-0.589 χ^2/NDF: 1215.7/27

All: 4.220+/-0.420 χ^2/NDF: 2276.9/56

- sign 5.196+/-0.600 χ^2/NDF: 1056.0/28



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -19.135+/-0.031 χ^2/NDF:18324.1/11

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

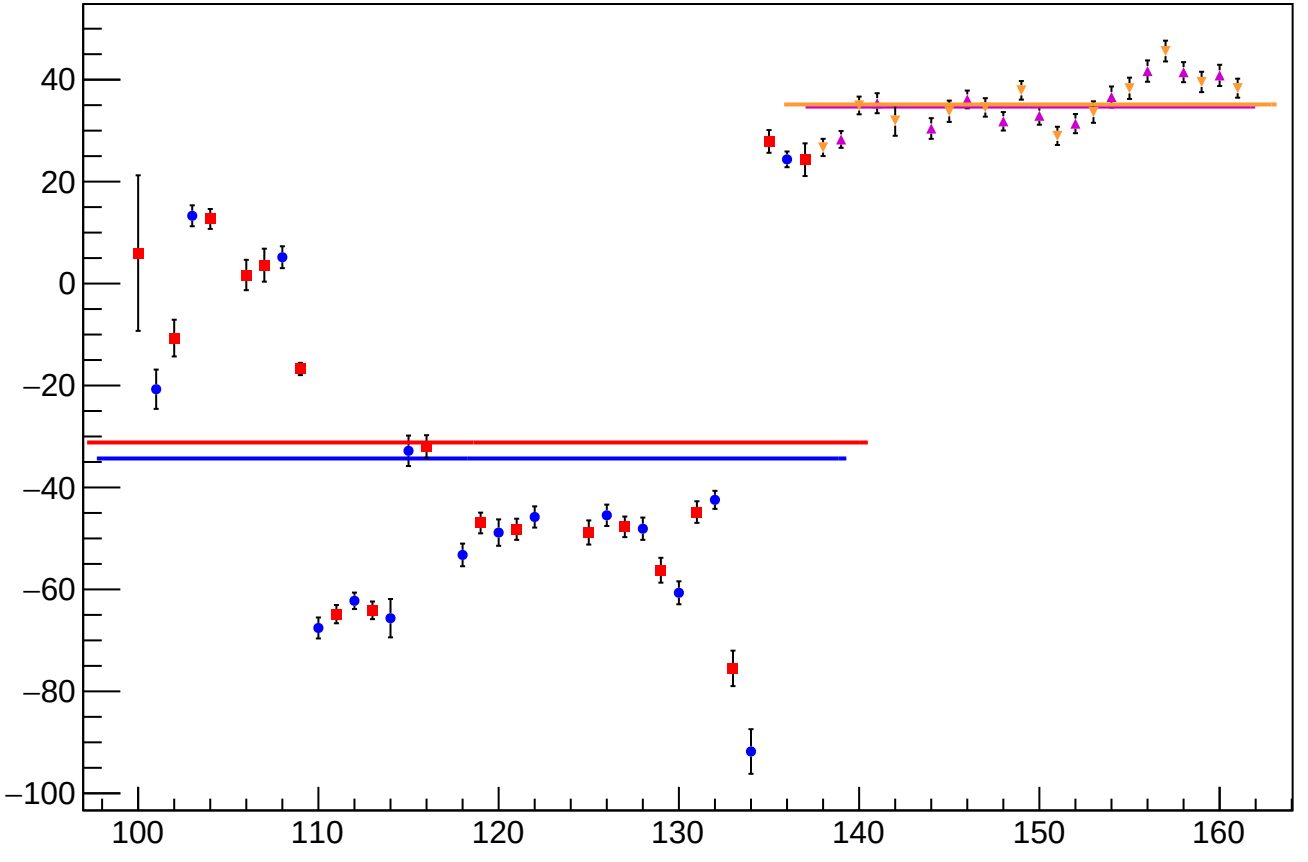
Left In: -19.230+/-0.032 χ^2/NDF:12990.6/10

+ sign -13.181+/-0.028 χ^2/NDF: 363308.2/27

All: -13.731+/-0.020 χ^2/NDF: 654028.6/56

- sign -14.292+/-0.028 χ^2/NDF: 289946.5/28

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: 35.134+/-0.561 χ^2/NDF:77.8/11

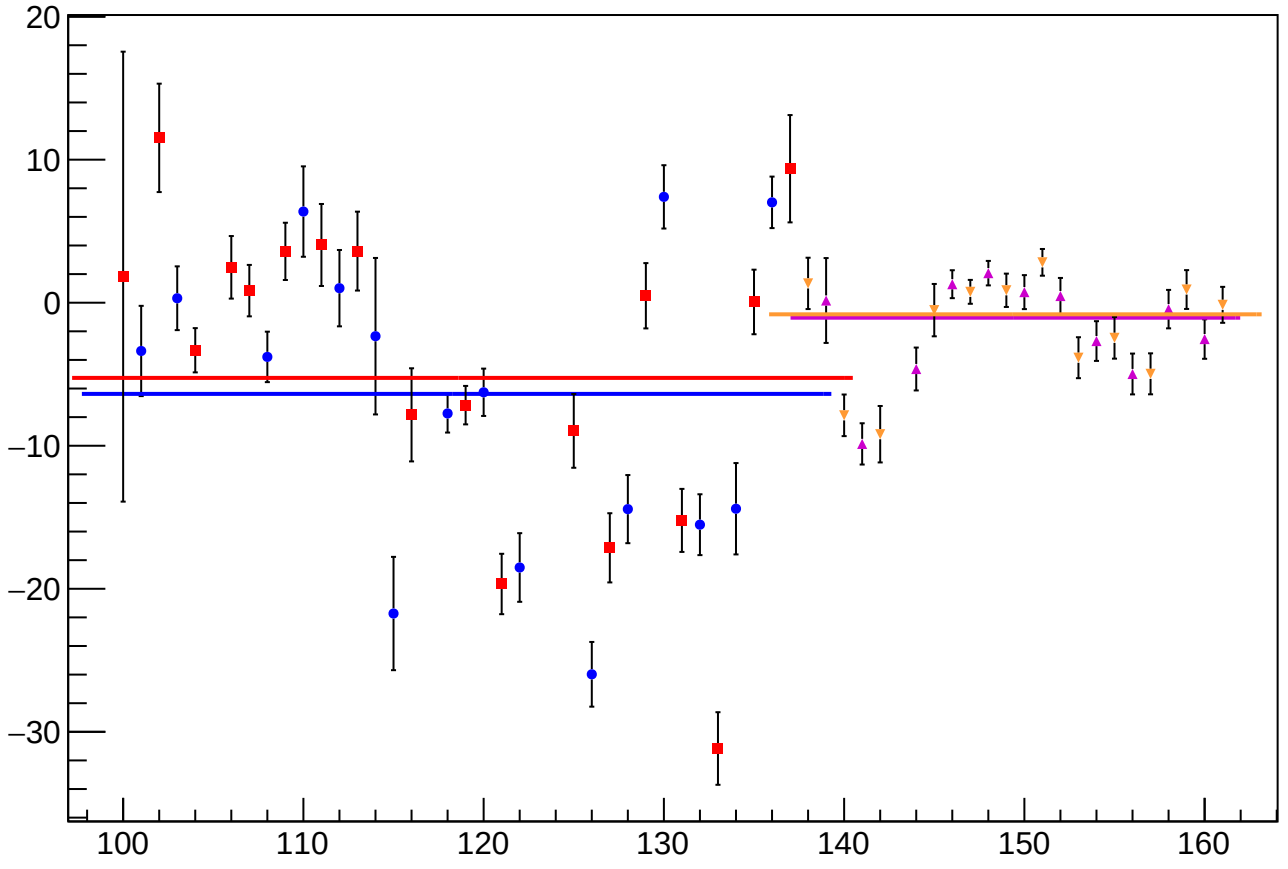
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 34.719+/-0.571 χ^2/NDF:59.7/10

+ sign -0.444+/-0.392 χ^2/NDF: 11417.6/27

All: -1.023+/-0.274 χ^2/NDF: 22014.9/56

- sign -1.575+/-0.383 χ^2/NDF: 10593.1/28



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.812+/-0.371 χ^2/NDF:80.0/11

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

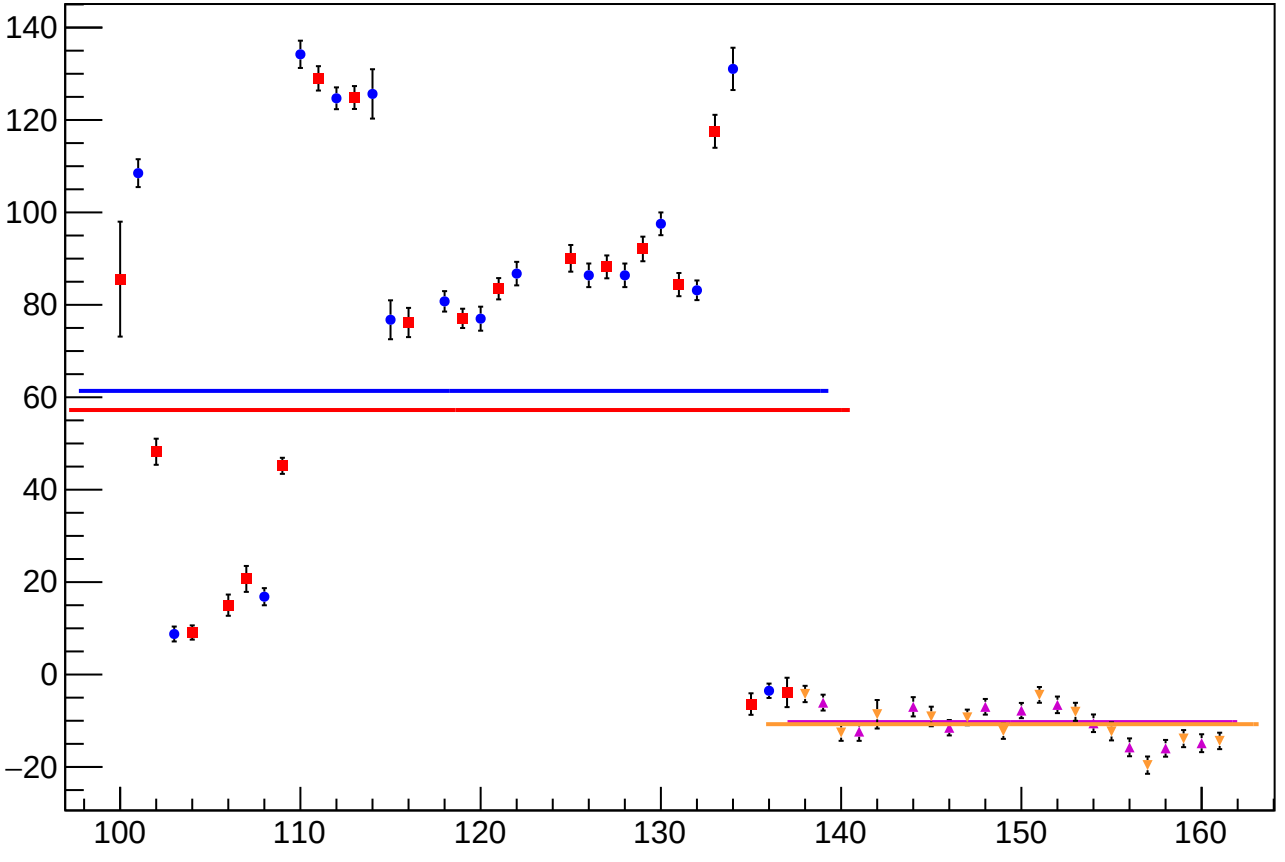
Left In: -1.048+/-0.381 χ^2/NDF:76.4/10

+ sign -2.534+/-0.308 χ^2/NDF: 433.3/27

All: -2.505+/-0.219 χ^2/NDF: 863.9/56

- sign -2.474+/-0.310 χ^2/NDF: 430.6/28

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: -10.740+/-0.541 χ^2/NDF:63.1/11

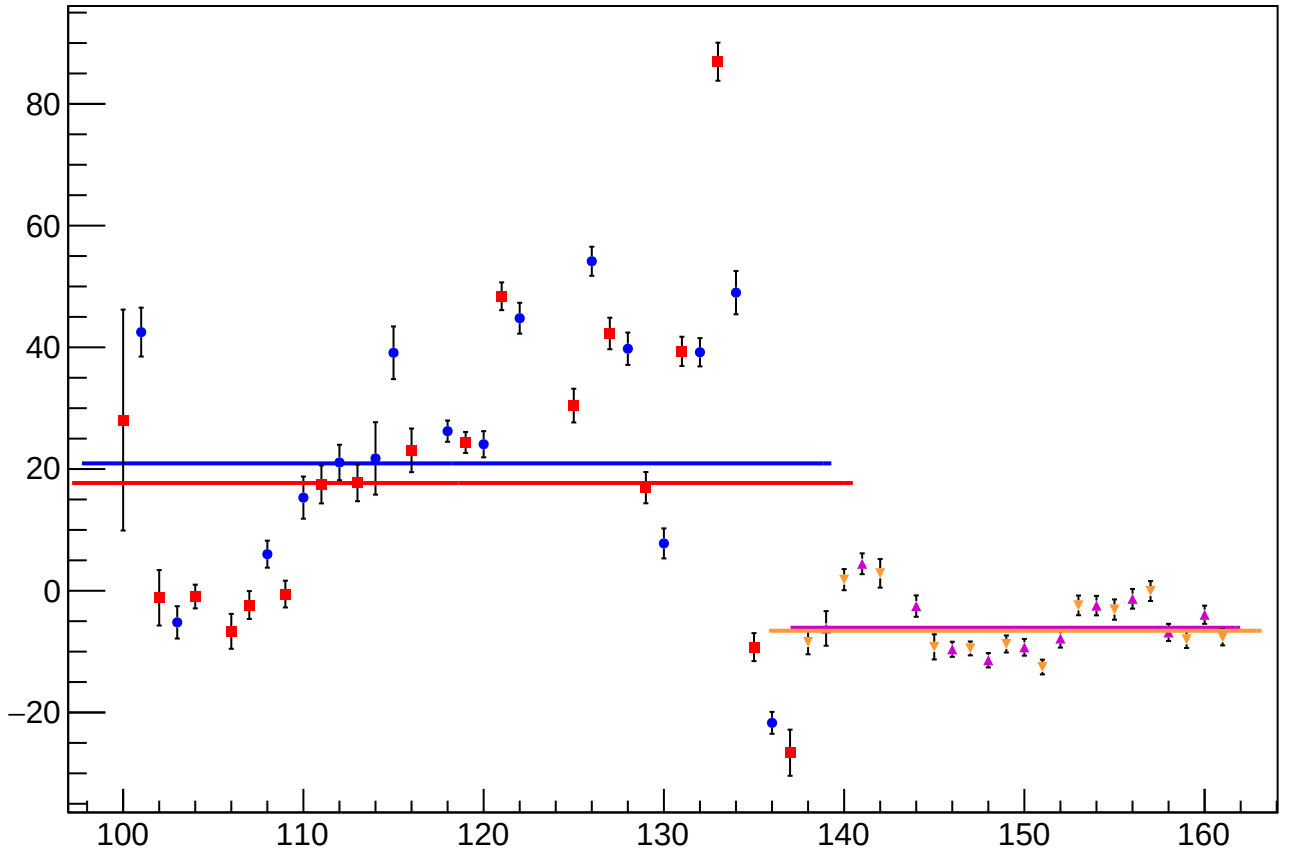
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -10.288+/-0.549 χ^2/NDF:43.9/10

+ sign 21.920+/-0.400 χ^2/NDF: 14186.2/27

All: 21.766+/-0.282 χ^2/NDF: 26644.8/56

- sign 21.613+/-0.399 χ^2/NDF: 12458.3/28



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -6.569+/-0.442 χ^2/NDF:103.3/11

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

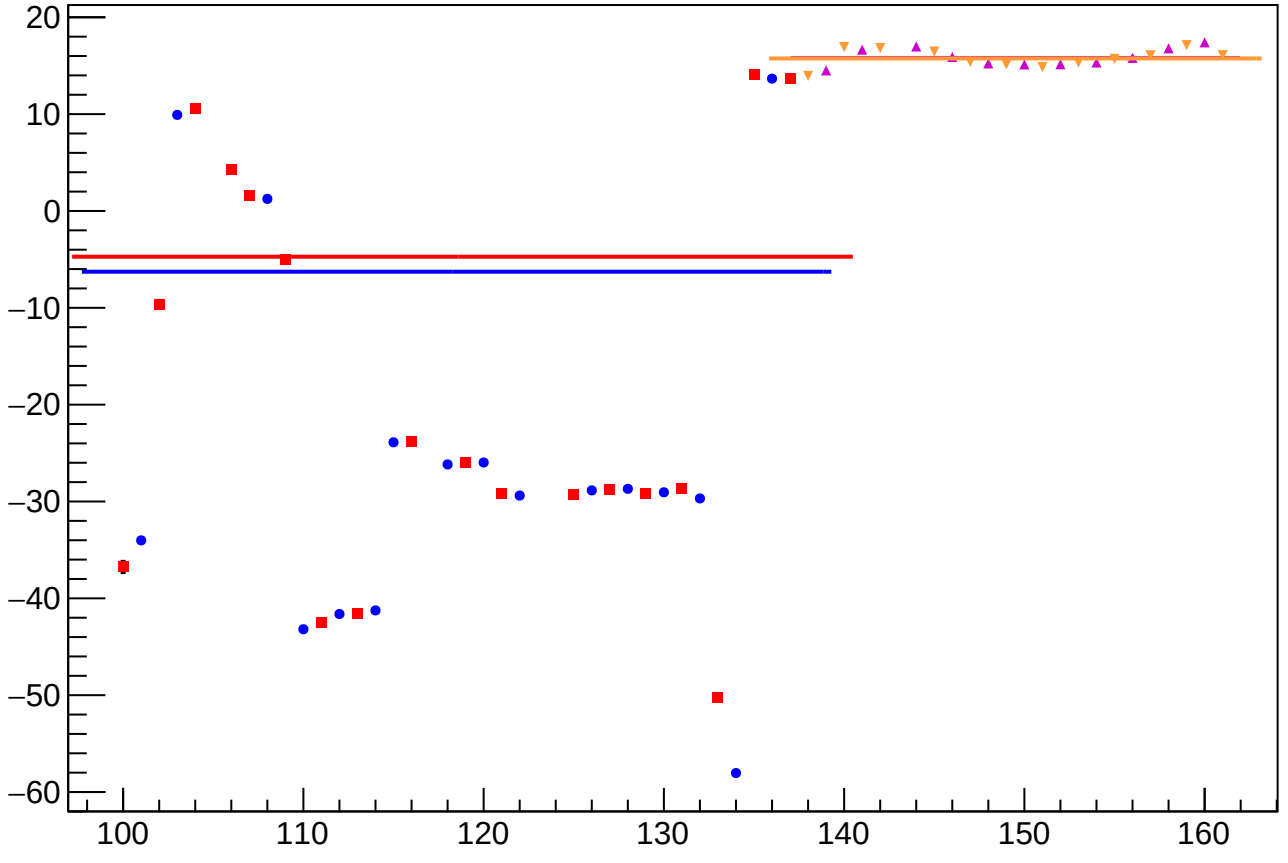
Left In: -6.079+/-0.454 χ^2/NDF:93.1/10

\+ sign 2.318+/-0.364 χ^2/NDF: 2597.9/27

All: 2.291+/-0.258 χ^2/NDF: 5134.7/56

\- sign 2.264+/-0.366 χ^2/NDF: 2536.8/28

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.751+/-0.020 χ^2/NDF:1884.6/11

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

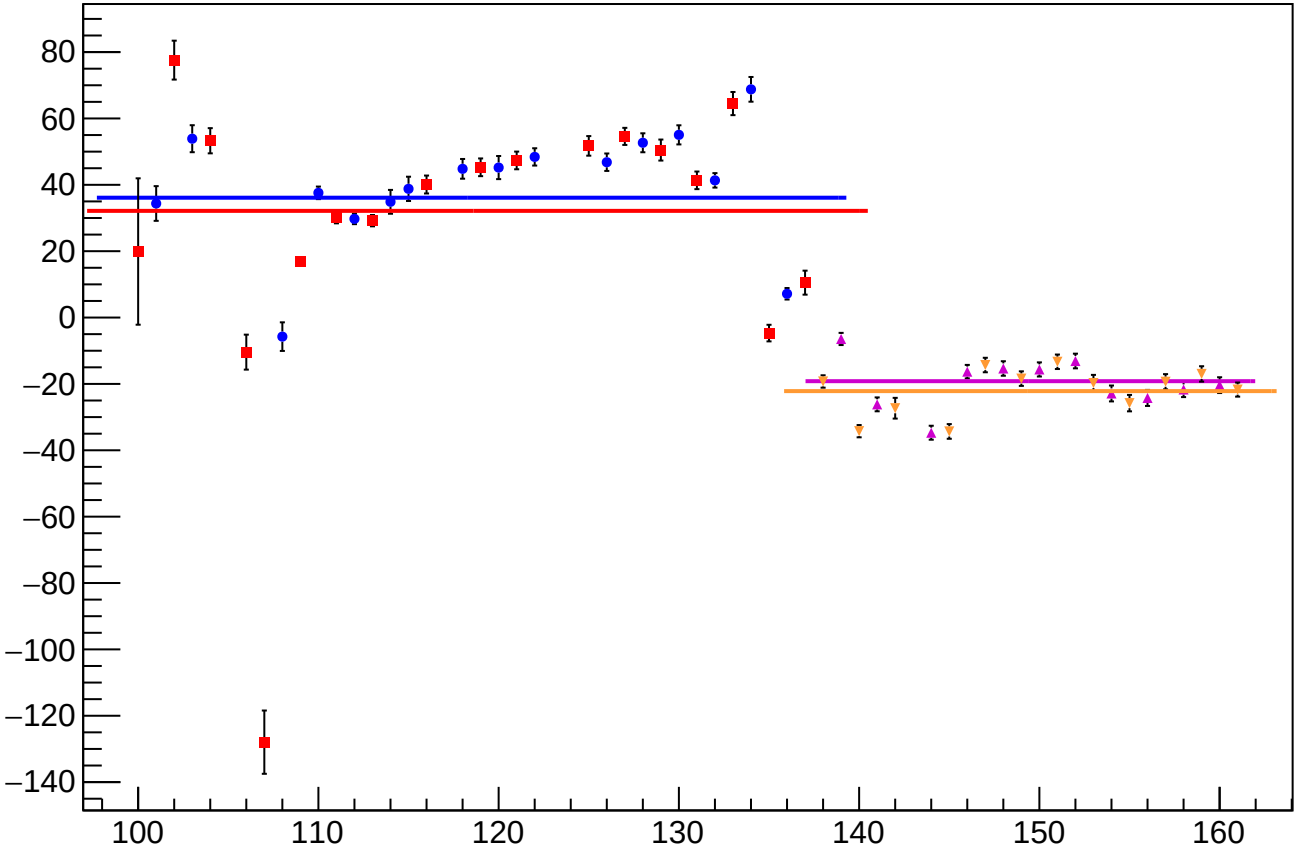
Left In: 15.801+/-0.021 χ^2/NDF:1842.0/10

+ sign 9.778+/-0.017 χ^2/NDF: 728858.5/27

All: 10.010+/-0.012 χ^2/NDF: 1308297.8/56

- sign 10.245+/-0.018 χ^2/NDF: 579081.6/28

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -22.169+/-0.640 χ^2/NDF:119.8/11

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

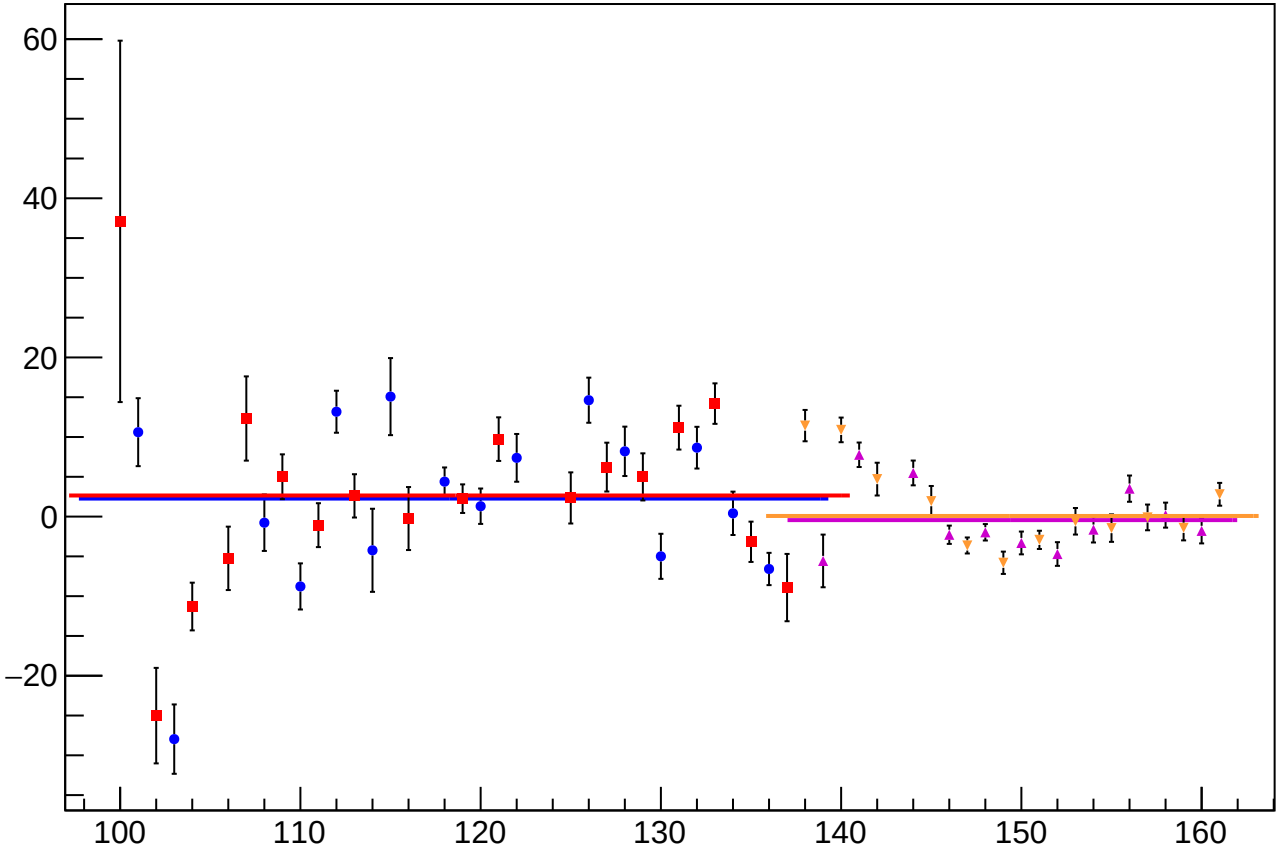
Left In: -19.175+/-0.654 χ^2/NDF:137.3/10

\+ sign 6.258+/-0.458 χ^2/NDF: 4781.7/27

All: 6.842+/-0.323 χ^2/NDF: 9229.2/56

\- sign 7.415+/-0.454 χ^2/NDF: 4444.2/28

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.078+/-0.430 χ^2/NDF:131.6/11

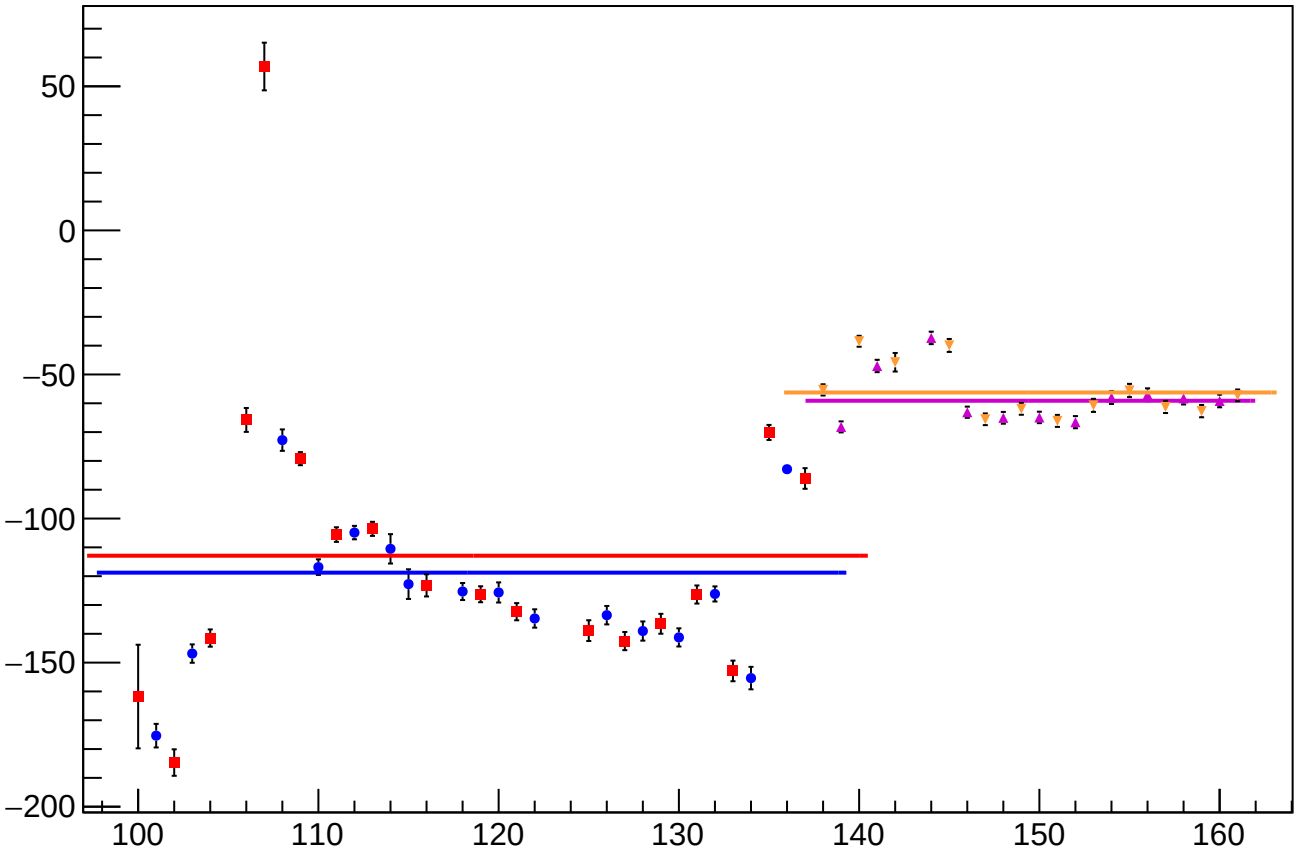
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: -0.443+/-0.442 χ^2/NDF:69.5/10

+ sign 0.675+/-0.367 χ^2/NDF: 290.7/27

All: 0.547+/-0.262 χ^2/NDF: 481.2/56

- sign 0.412+/-0.376 χ^2/NDF: 190.3/28



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -56.253+/-0.619 χ^2/NDF:220.4/11

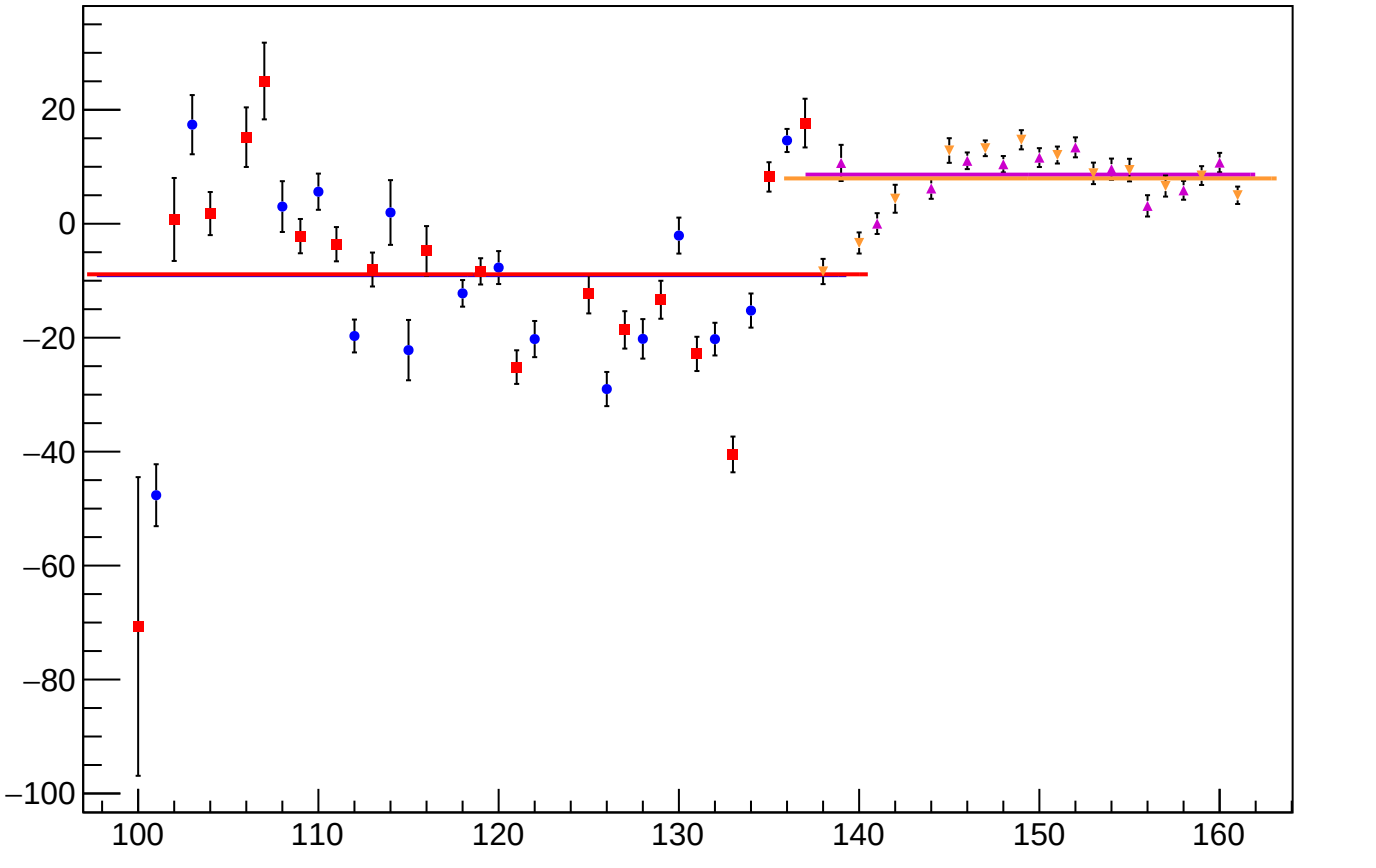
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

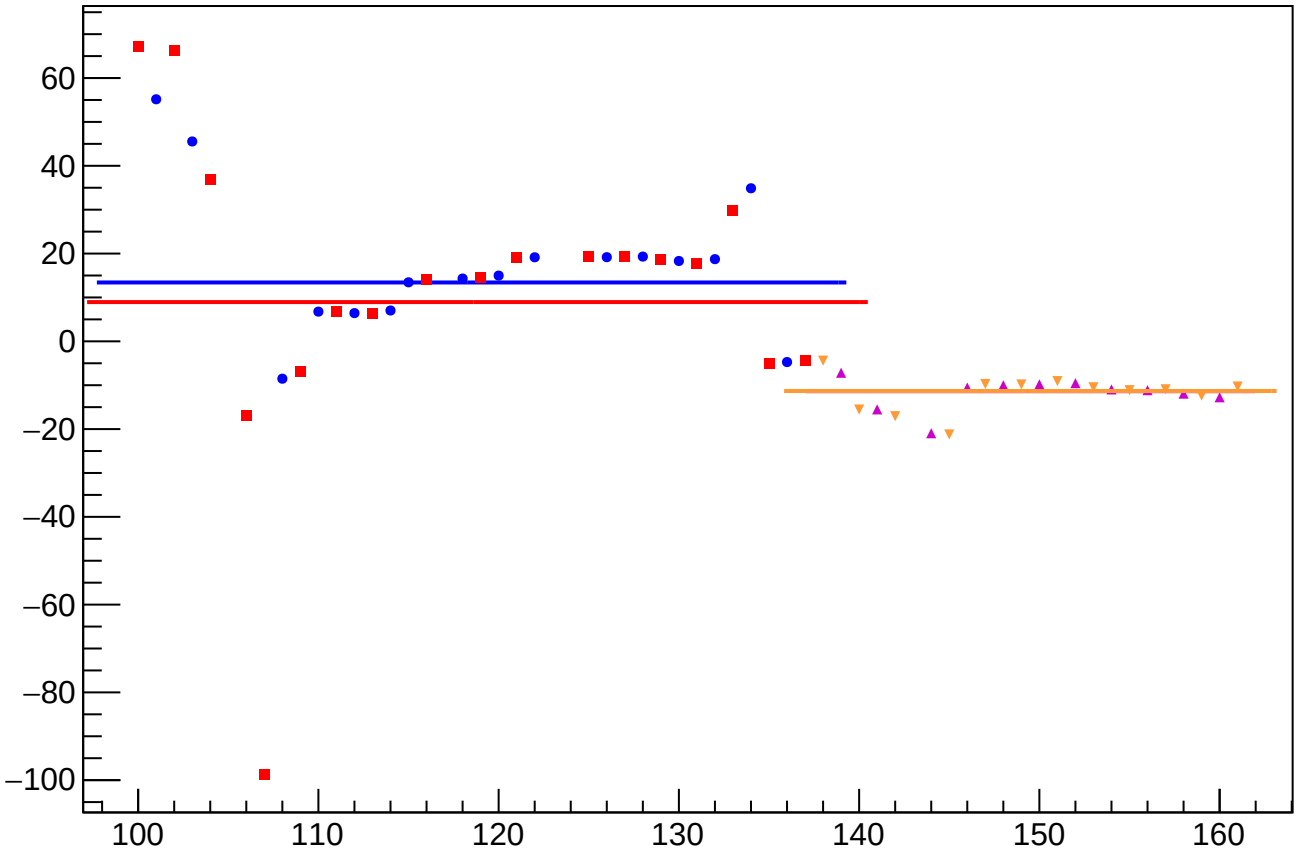
Left In: -59.122+/-0.631 χ^2/NDF:190.2/10

\+ sign -81.329+/-0.479 χ^2/NDF: 5427.8/27

All: -81.176+/-0.341 χ^2/NDF: 10441.8/56

\- sign -81.019+/-0.486 χ^2/NDF: 5013.7/28


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
Right In: -9.022+/-0.796 χ²/NDF: 358.0/15
Left Out: 7.953+/-0.511 χ²/NDF:142.8/11
Right Out: -8.878+/-0.810 χ²/NDF: 318.7/17
Left In: 8.619+/-0.525 χ²/NDF:52.6/10
+ sign 2.998+/-0.430 χ²/NDF: 823.1/27
All: 3.217+/-0.308 χ²/NDF: 1523.3/56
- sign 3.447+/-0.441 χ²/NDF: 699.7/28



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.323+/-0.023 χ^2/NDF:26920.2/11

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

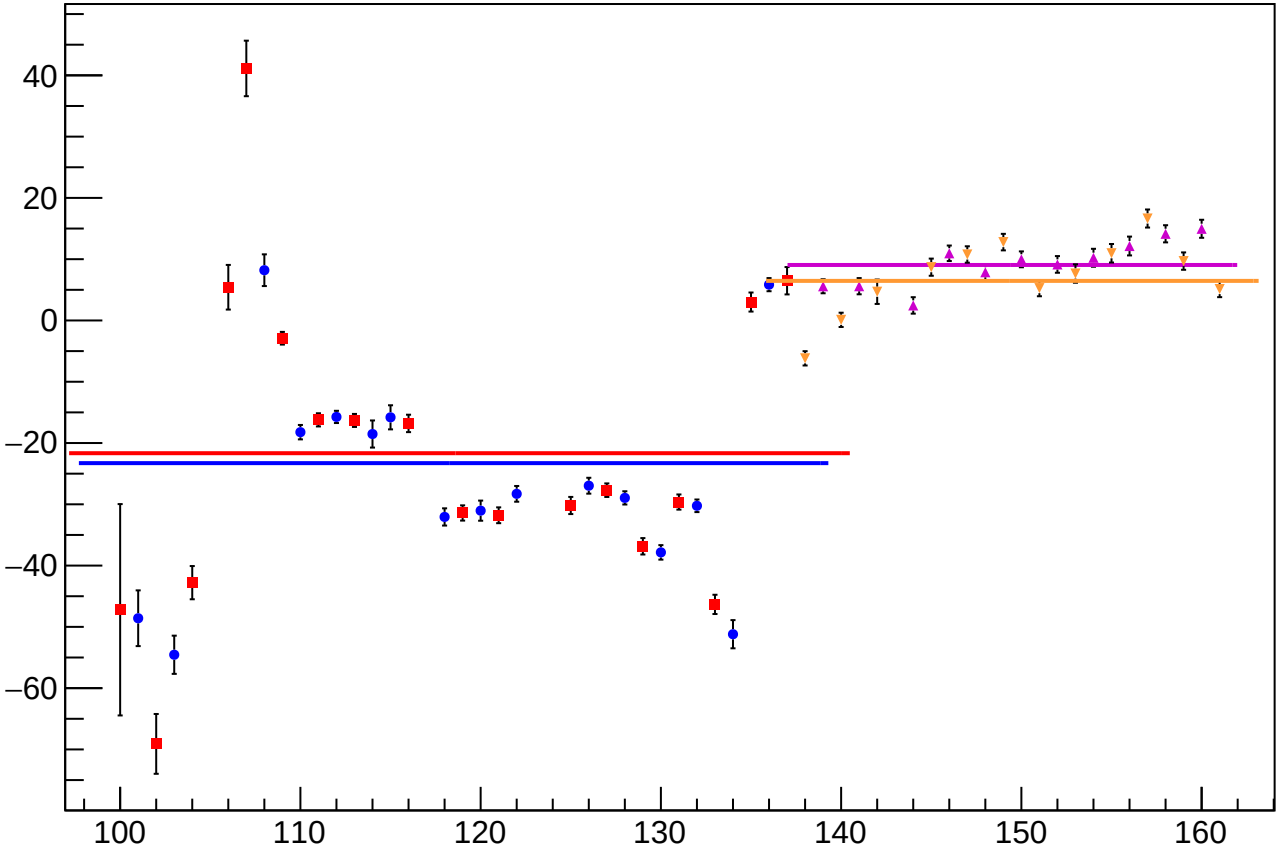
Left In: -11.360+/-0.024 χ^2/NDF:17561.1/10

\+ sign -6.115+/-0.021 χ^2/NDF: 446184.1/27

All: -6.707+/-0.015 χ^2/NDF: 903479.9/56

\- sign -7.319+/-0.021 χ^2/NDF: 455645.9/28

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: 6.458+/-0.398 χ^2/NDF:247.0/11

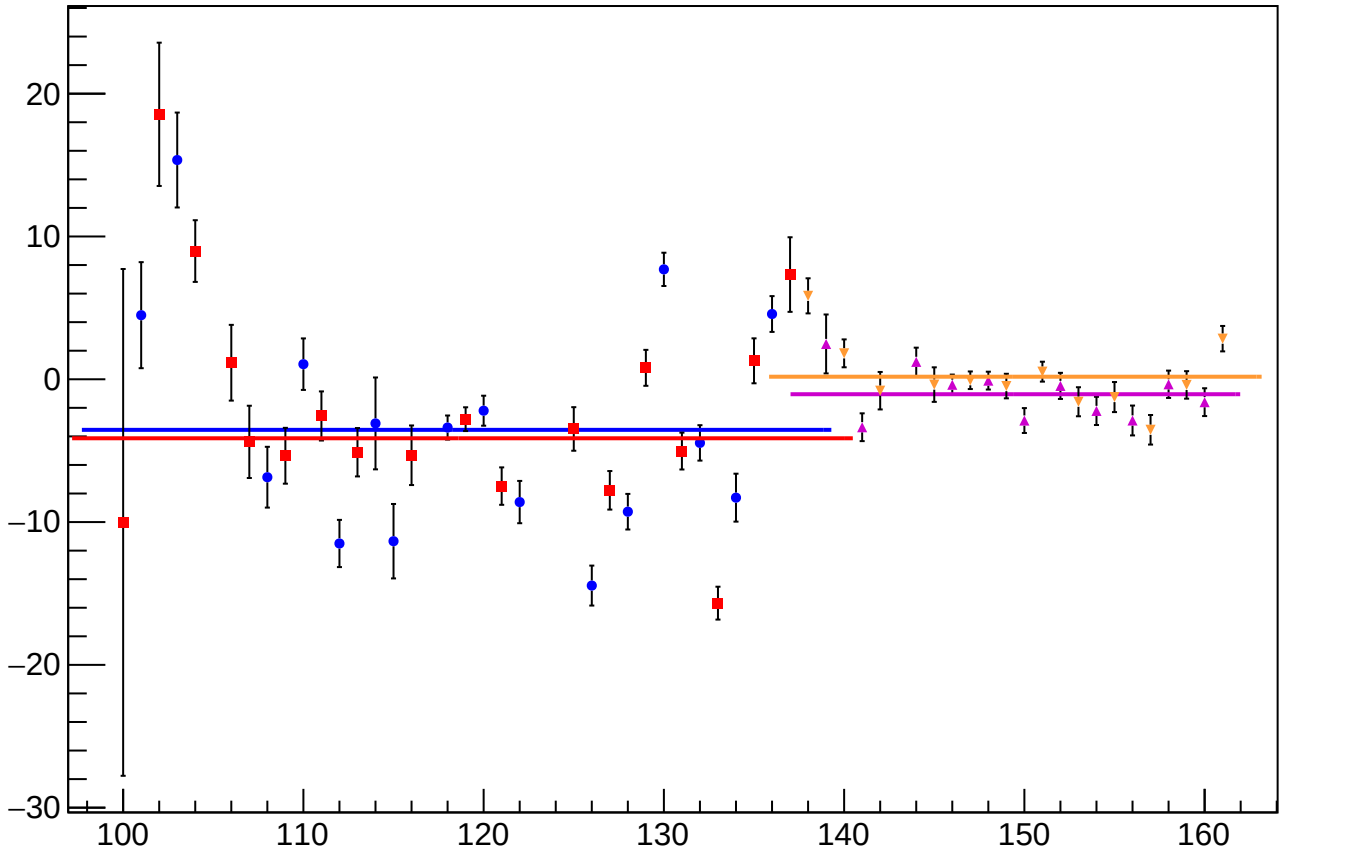
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 9.056+/-0.405 χ^2/NDF:77.9/10

+ sign -10.284+/-0.263 χ^2/NDF: 4963.0/27

All: -9.473+/-0.186 χ^2/NDF: 10184.3/56

- sign -8.657+/-0.264 χ^2/NDF: 5202.2/28



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.180+/-0.266 χ^2/NDF:52.8/11

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

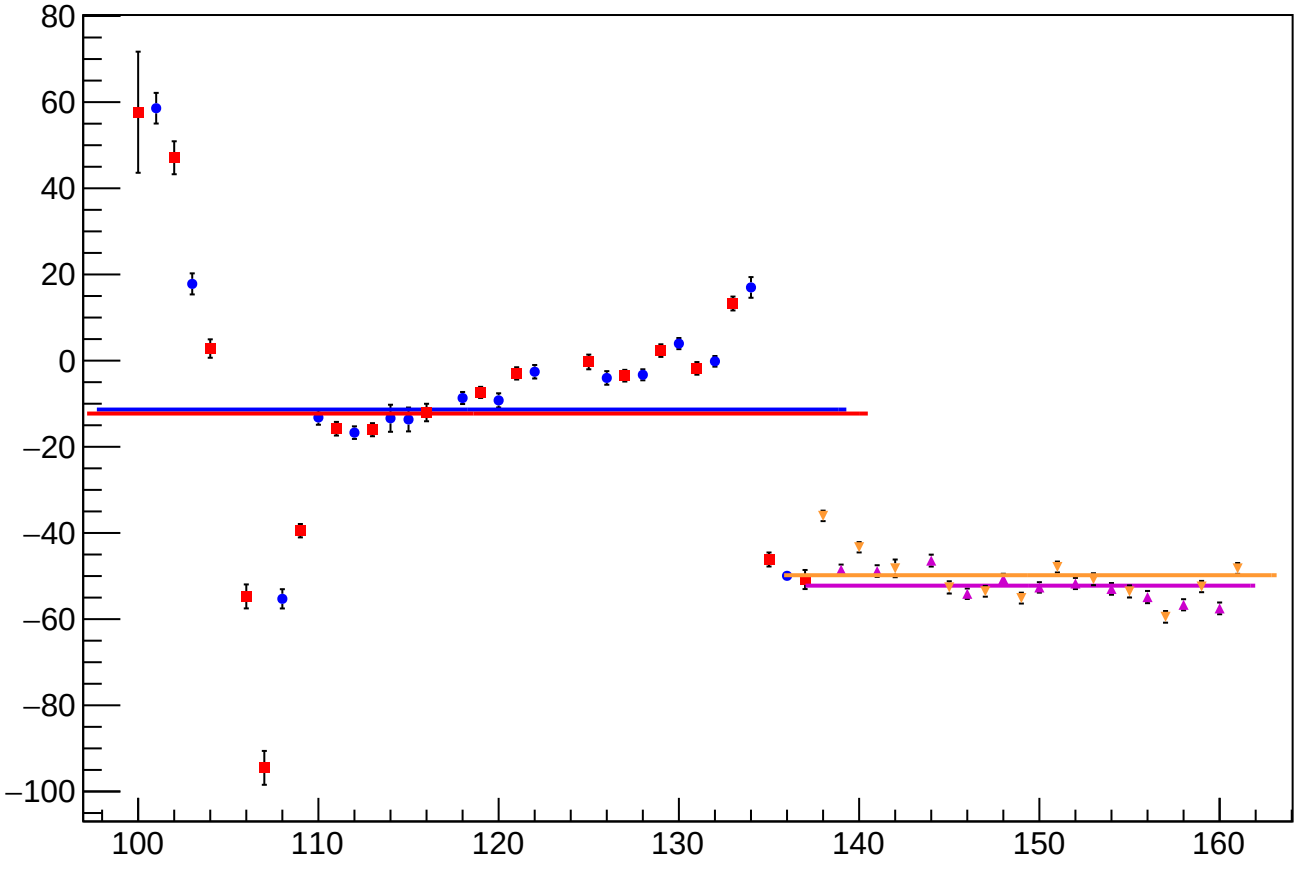
Left In: -1.047+/-0.273 χ^2/NDF:27.2/10

+ sign -1.120+/-0.214 χ^2/NDF: 438.1/27

All: -1.613+/-0.153 χ^2/NDF: 748.5/56

- sign -2.131+/-0.220 χ^2/NDF: 299.6/28

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -49.805+/-0.384 χ^2/NDF:254.8/11

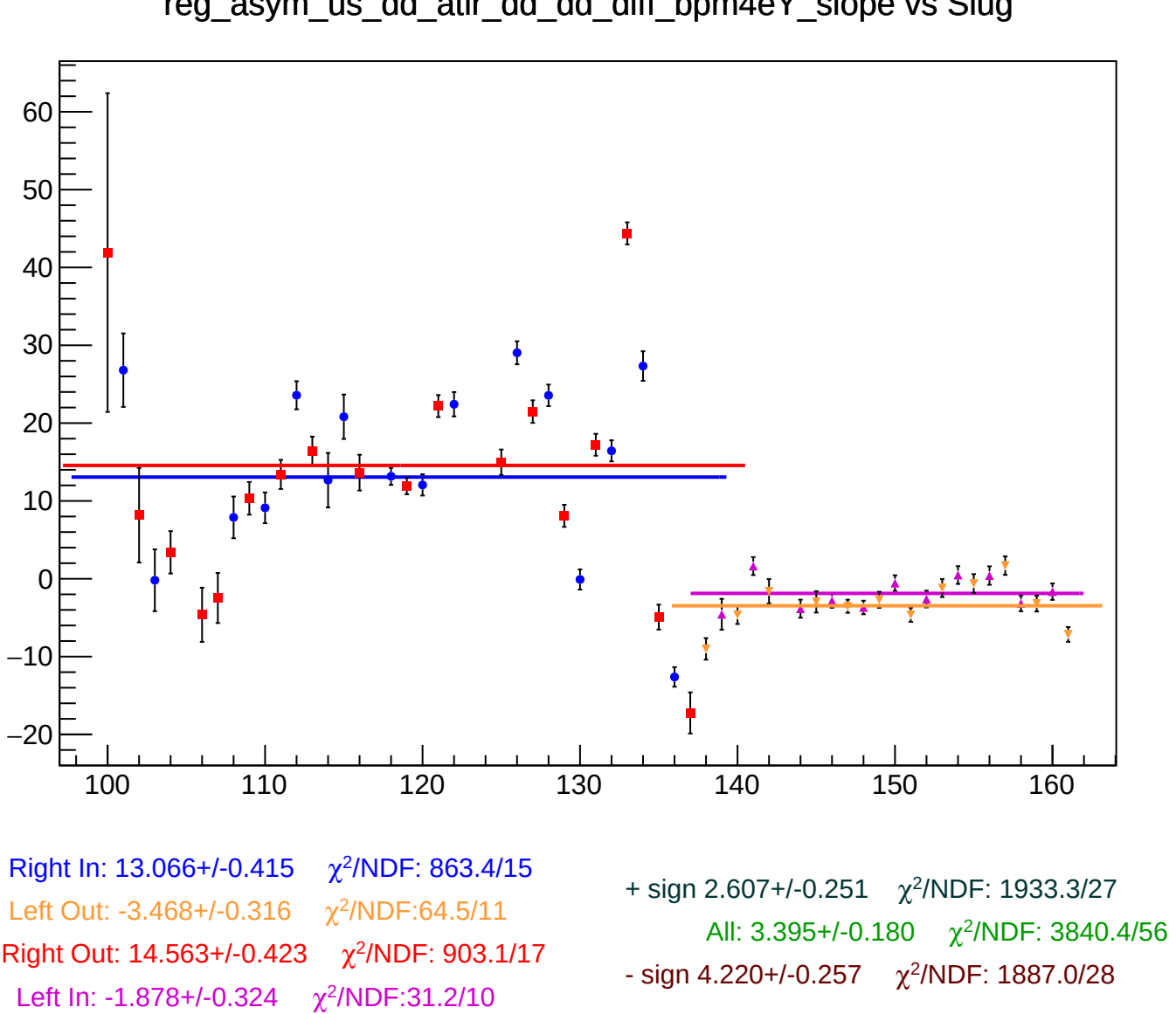
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

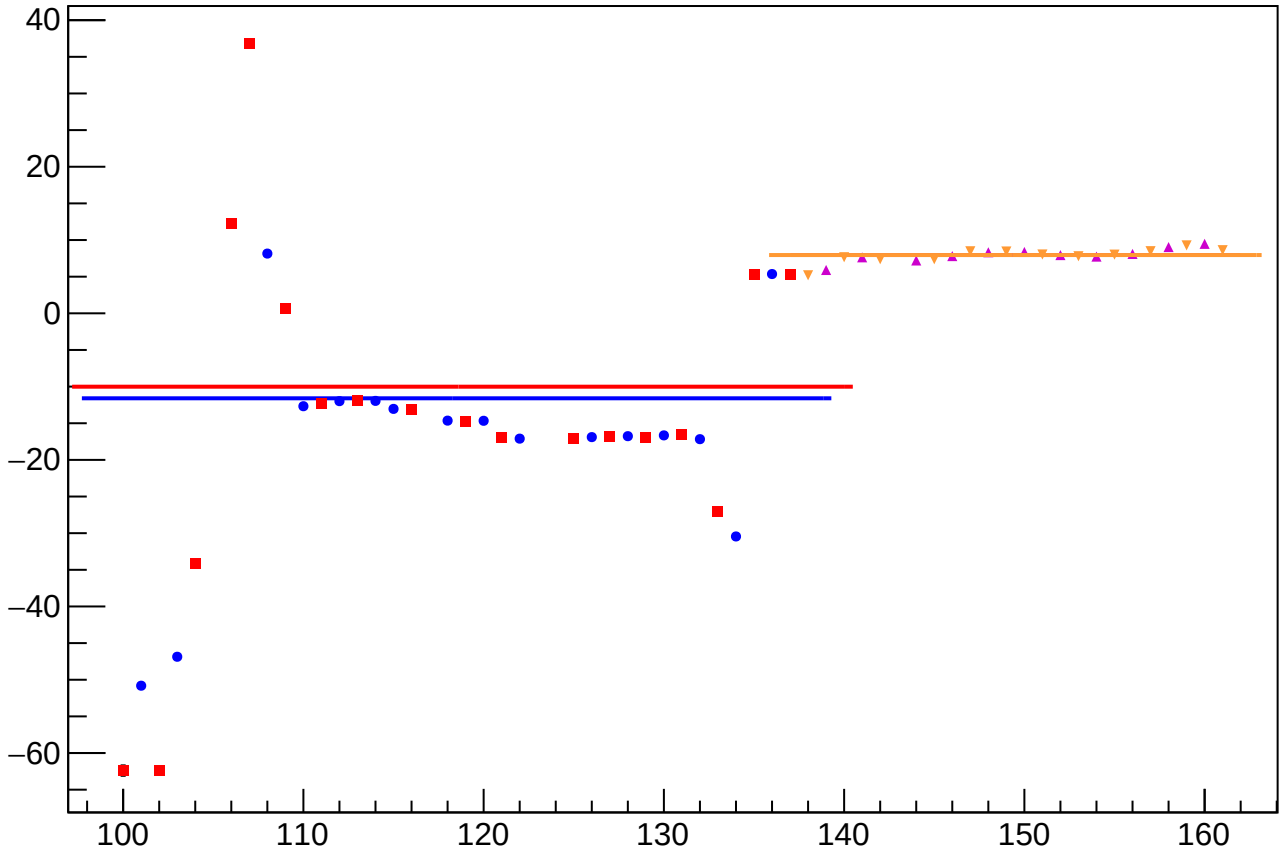
Left In: -52.228+/-0.391 χ^2/NDF:68.2/10

+ sign -31.626+/-0.279 χ^2/NDF: 7652.3/27

All: -32.484+/-0.199 χ^2/NDF: 15266.5/56

- sign -33.374+/-0.284 χ^2/NDF: 7594.9/28


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug
60
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: 13.066+/-0.415 χ²/NDF: 863.4/15
Left Out: -3.468+/-0.316 χ²/NDF:64.5/11
Right Out: 14.563+/-0.423 χ²/NDF: 903.1/17
Left In: -1.878+/-0.324 χ²/NDF:31.2/10
+ sign 2.607+/-0.251 χ²/NDF: 1933.3/27
All: 3.395+/-0.180 χ²/NDF: 3840.4/56
- sign 4.220+/-0.257 χ²/NDF: 1887.0/28



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.952+/-0.015 χ^2/NDF:4900.2/11

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

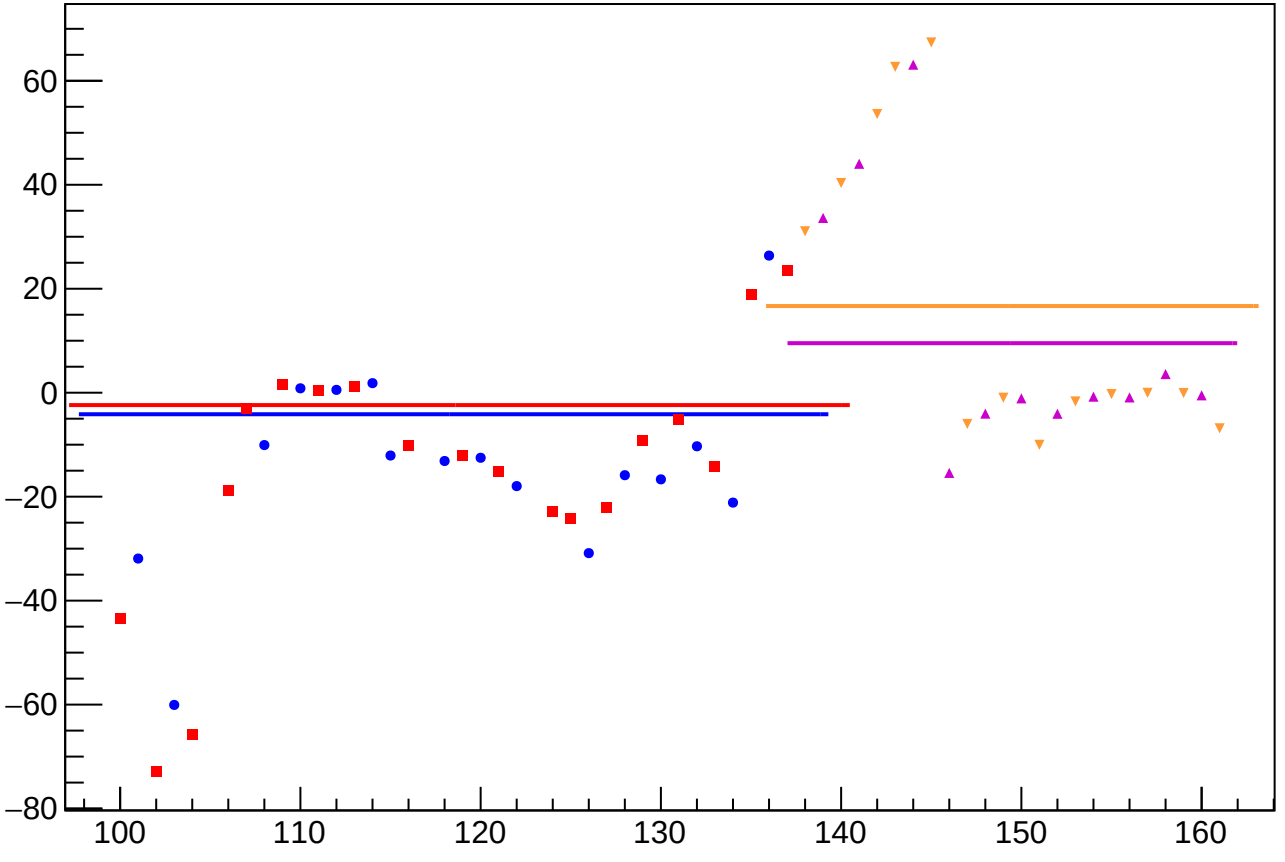
Left In: 7.957+/-0.015 χ^2/NDF:4225.9/10

+ sign 3.394+/-0.013 χ^2/NDF: 788740.9/27

All: 3.683+/-0.009 χ^2/NDF: 1524089.9/56

- sign 3.981+/-0.013 χ^2/NDF: 734300.8/28

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 16.670+/-0.073 χ^2/NDF:116864.1/12

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

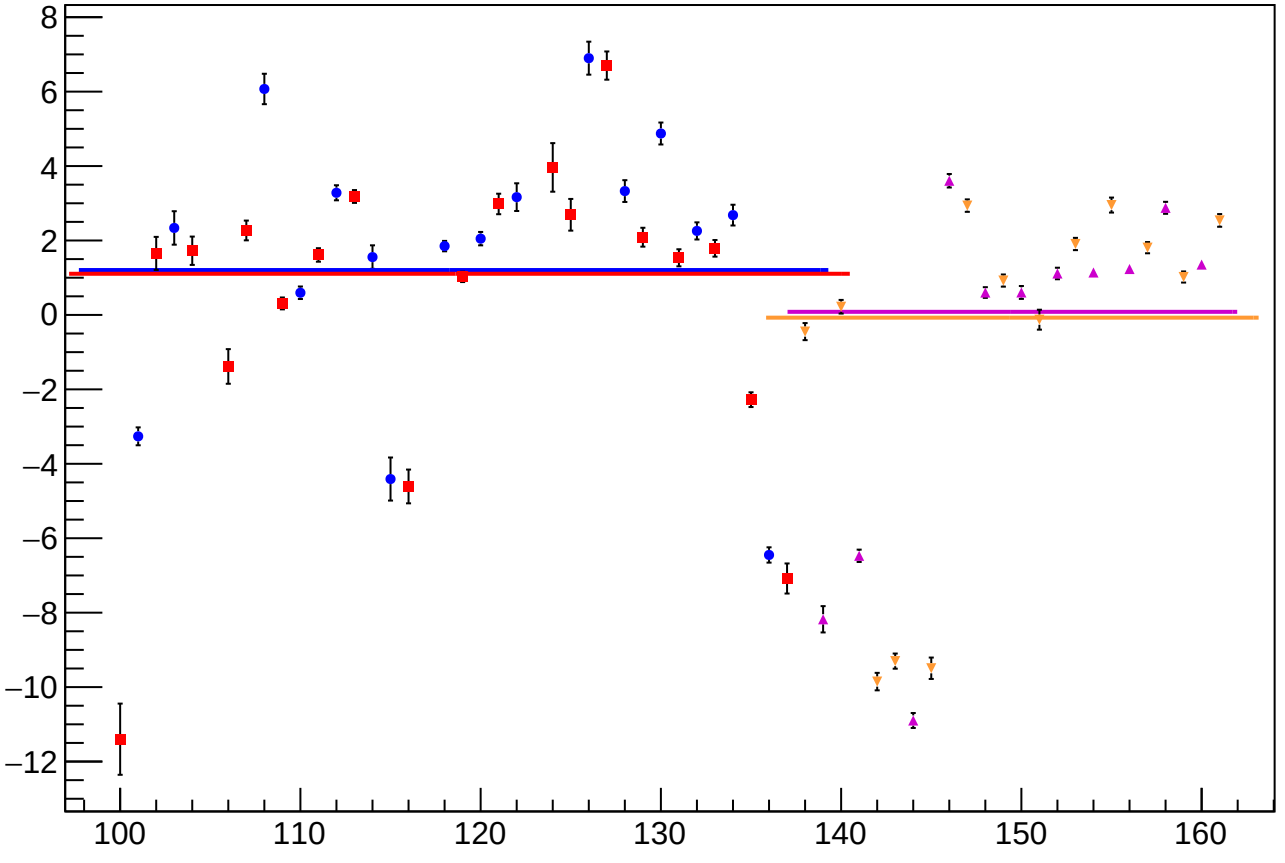
Left In: 9.527+/-0.065 χ^2/NDF:102333.3/10

+ sign 3.339+/-0.044 χ^2/NDF: 244231.6/28

All: 2.364+/-0.028 χ^2/NDF: 450717.6/58

- sign 1.647+/-0.038 χ^2/NDF: 205624.2/29

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -0.073+/-0.052 χ^2/NDF:6039.7/12

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

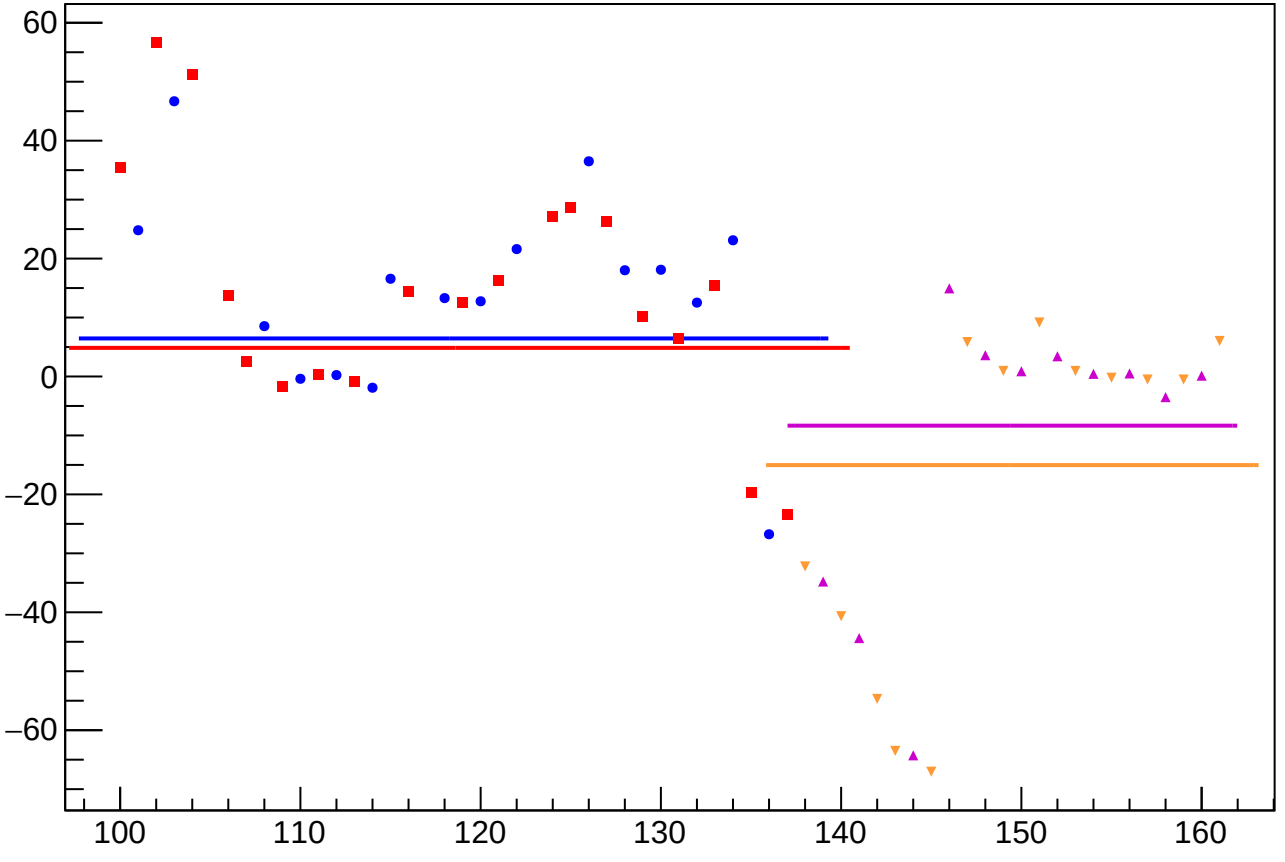
Left In: 0.083+/-0.045 χ^2/NDF:6152.9/10

+ sign 0.467+/-0.039 χ^2/NDF: 8883.0/28

All: 0.469+/-0.026 χ^2/NDF: 16821.6/58

- sign 0.470+/-0.035 χ^2/NDF: 7938.6/29

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -15.030+/-0.071 χ^2/NDF:117851.0/12

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

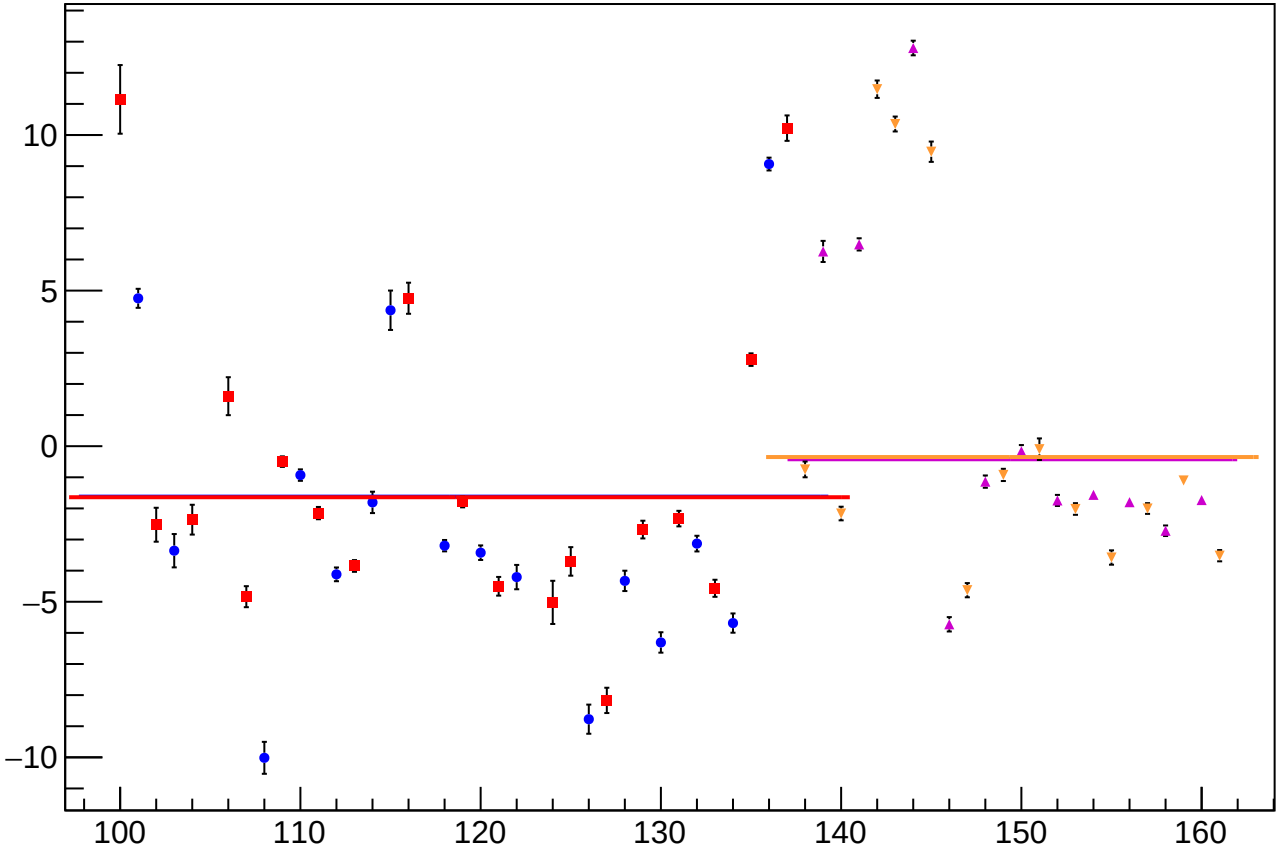
Left In: -8.341+/-0.061 χ^2/NDF:102797.3/10

+ sign -3.432+/-0.048 χ^2/NDF: 238459.2/28

All: -2.351+/-0.032 χ^2/NDF: 441380.1/58

- sign -1.496+/-0.043 χ^2/NDF: 202009.4/29

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -0.349+/-0.060 χ^2/NDF:5808.1/12

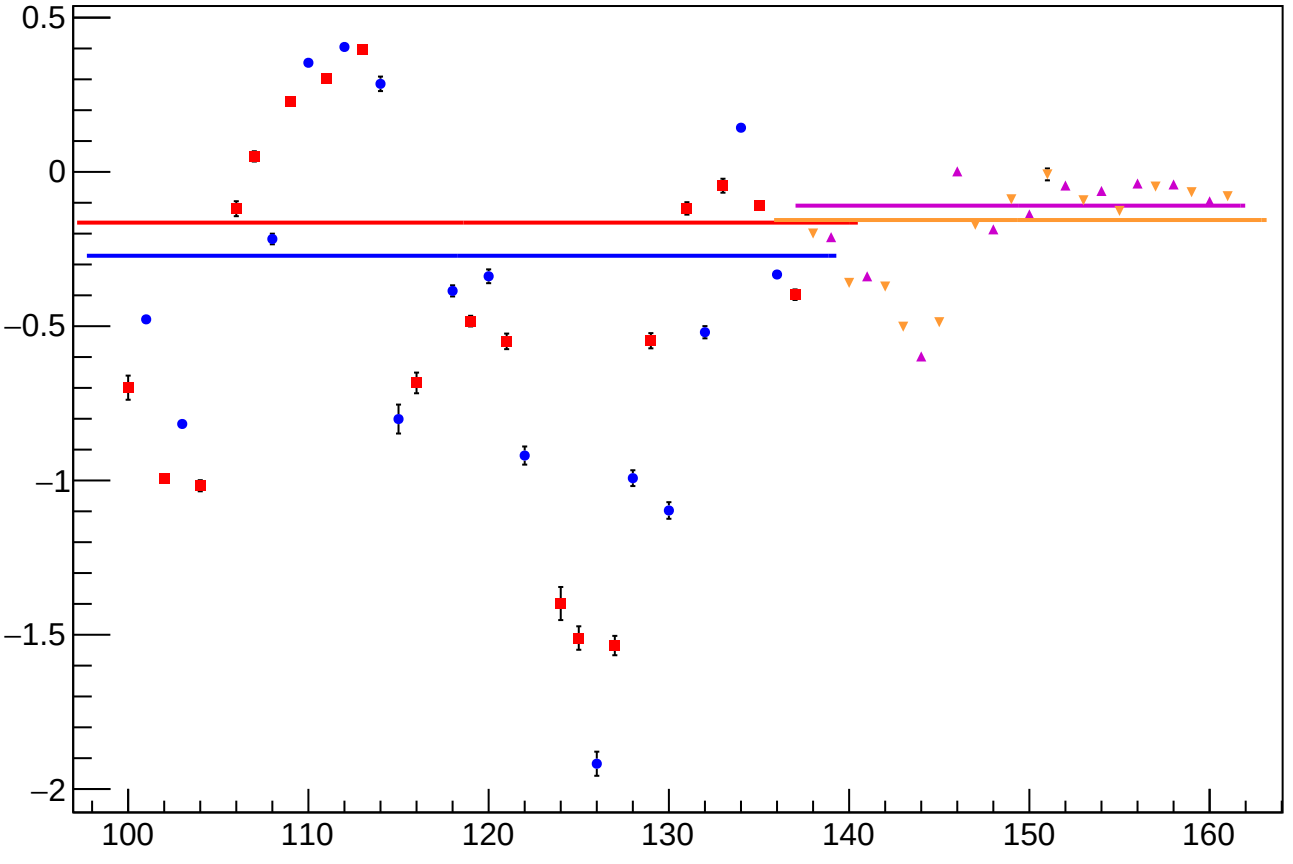
Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -0.420+/-0.051 χ^2/NDF:5865.8/10

+ sign -0.888+/-0.045 χ^2/NDF: 10526.1/28

All: -0.891+/-0.030 χ^2/NDF: 19072.6/58

- sign -0.893+/-0.040 χ^2/NDF: 8546.5/29



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.156+/-0.003 χ^2/NDF:2800.4/12

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

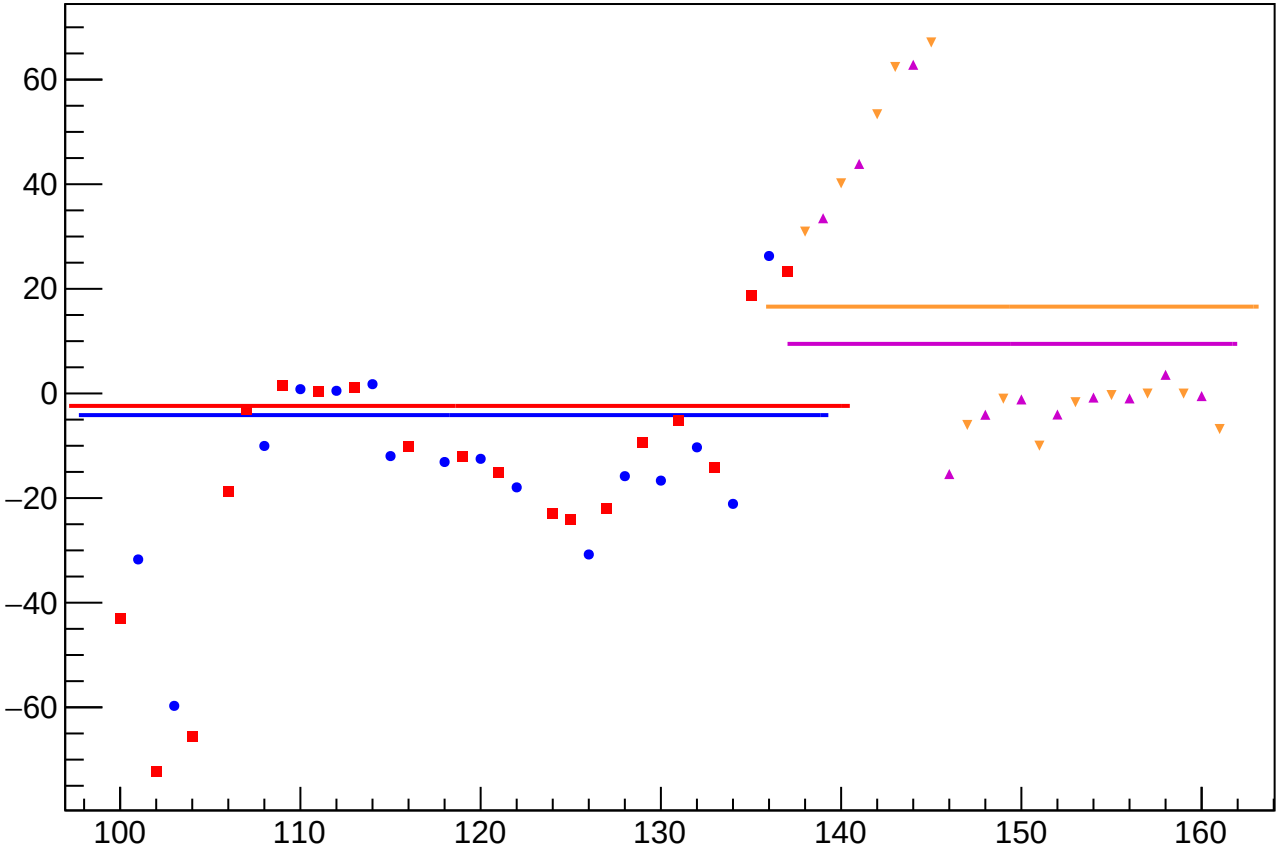
Left In: -0.109+/-0.002 χ^2/NDF:2914.7/10

+ sign -0.189+/-0.002 χ^2/NDF: 15405.3/28

All: -0.151+/-0.001 χ^2/NDF: 34484.9/58

- sign -0.123+/-0.002 χ^2/NDF: 18569.2/29

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 16.598+/-0.073 χ^2/NDF:116682.3/12

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

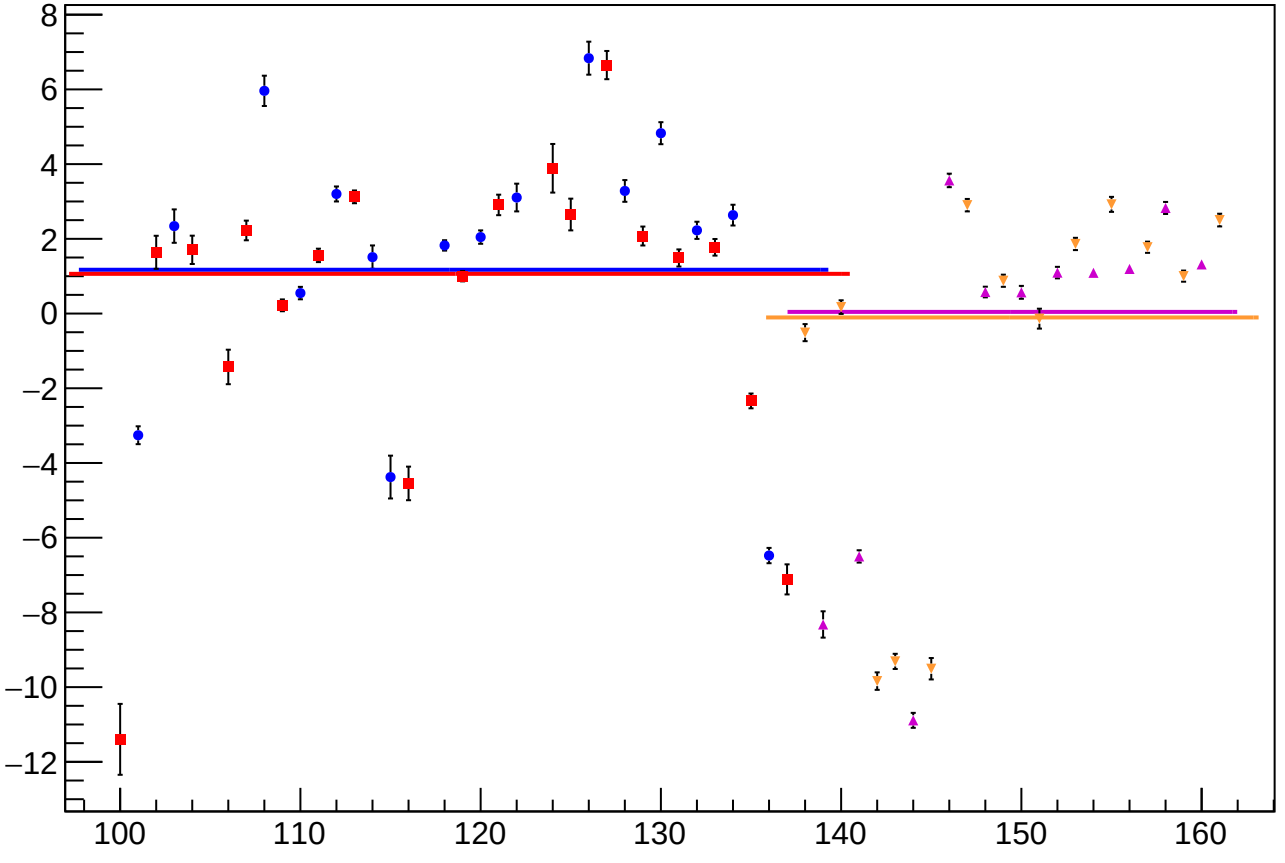
Left In: 9.479+/-0.064 χ^2/NDF:102269.1/10

+ sign 3.289+/-0.044 χ^2/NDF: 244080.7/28

All: 2.323+/-0.028 χ^2/NDF: 450400.2/58

- sign 1.612+/-0.037 χ^2/NDF: 205463.7/29

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -0.105+/-0.052 χ^2/NDF:6048.2/12

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

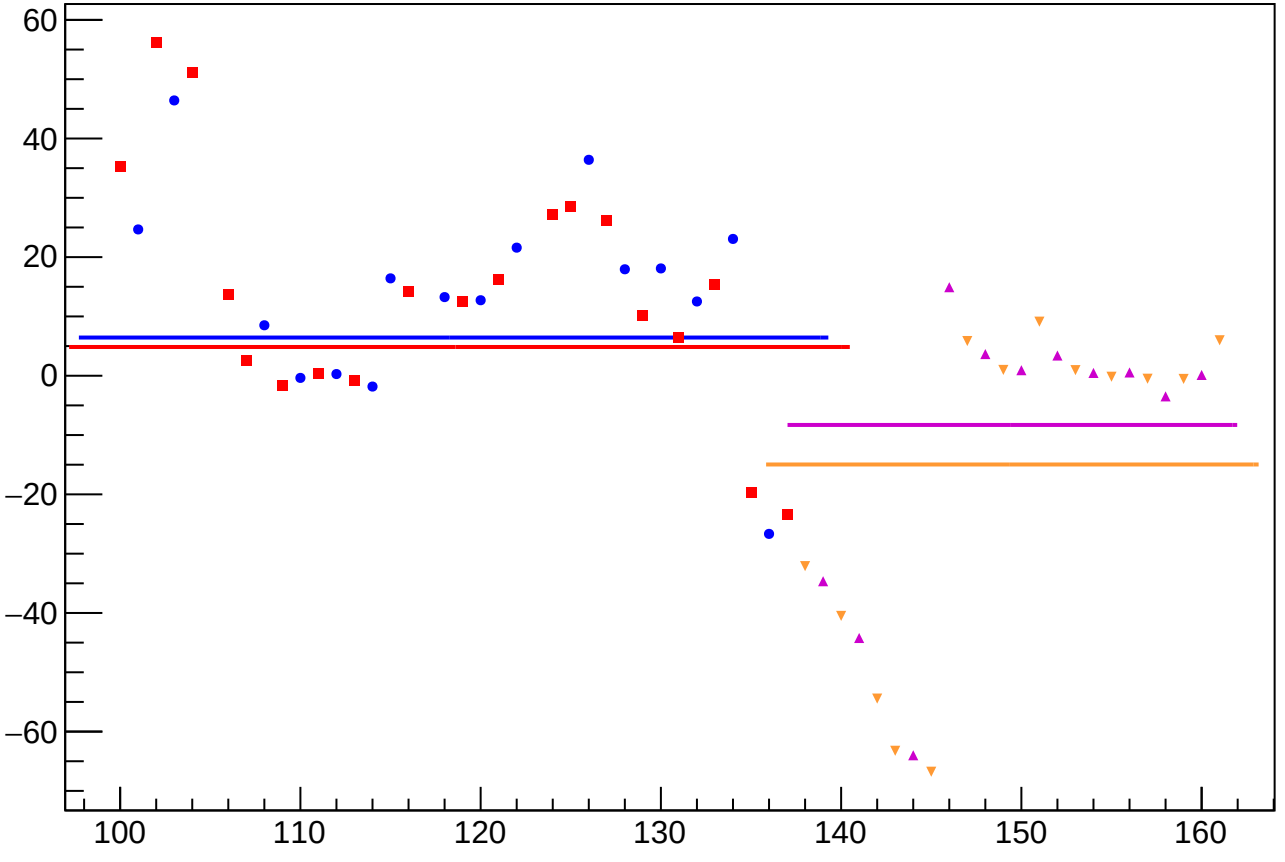
Left In: 0.044+/-0.045 χ^2/NDF:6171.3/10

+ sign 0.436+/-0.039 χ^2/NDF: 8892.9/28

All: 0.433+/-0.026 χ^2/NDF: 16859.3/58

- sign 0.431+/-0.035 χ^2/NDF: 7966.4/29

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -14.964+/-0.070 χ^2/NDF:117665.9/12

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

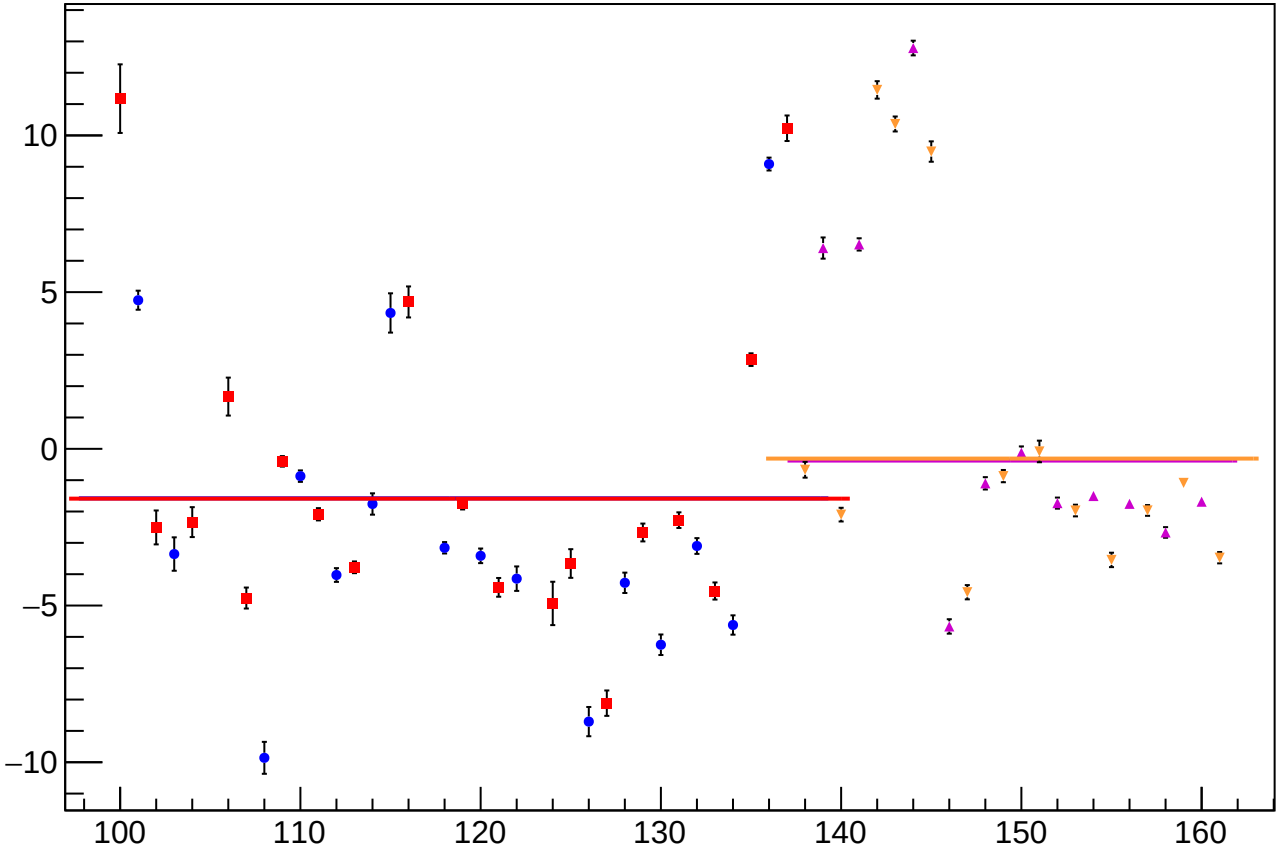
Left In: -8.297+/-0.061 χ^2/NDF:102722.9/10

+ sign -3.383+/-0.048 χ^2/NDF: 238300.9/28

All: -2.308+/-0.032 χ^2/NDF: 441050.0/58

- sign -1.458+/-0.042 χ^2/NDF: 201839.4/29

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -0.311+/-0.059 χ^2/NDF:5811.4/12

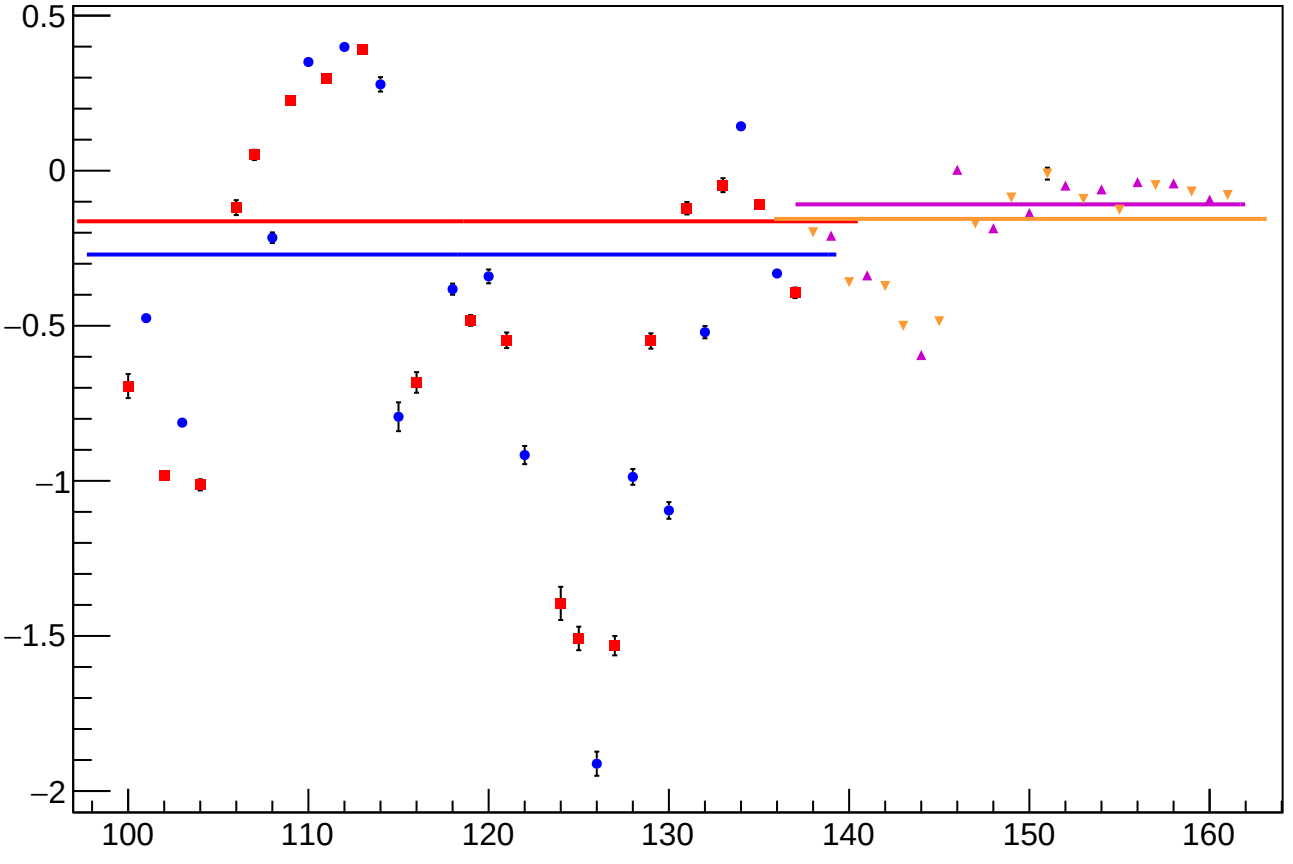
Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -0.374+/-0.051 χ^2/NDF:5883.8/10

+ sign -0.850+/-0.045 χ^2/NDF: 10528.9/28

All: -0.848+/-0.030 χ^2/NDF: 19103.4/58

- sign -0.847+/-0.040 χ^2/NDF: 8574.5/29



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.155+/-0.003 χ^2/NDF:2810.3/12

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

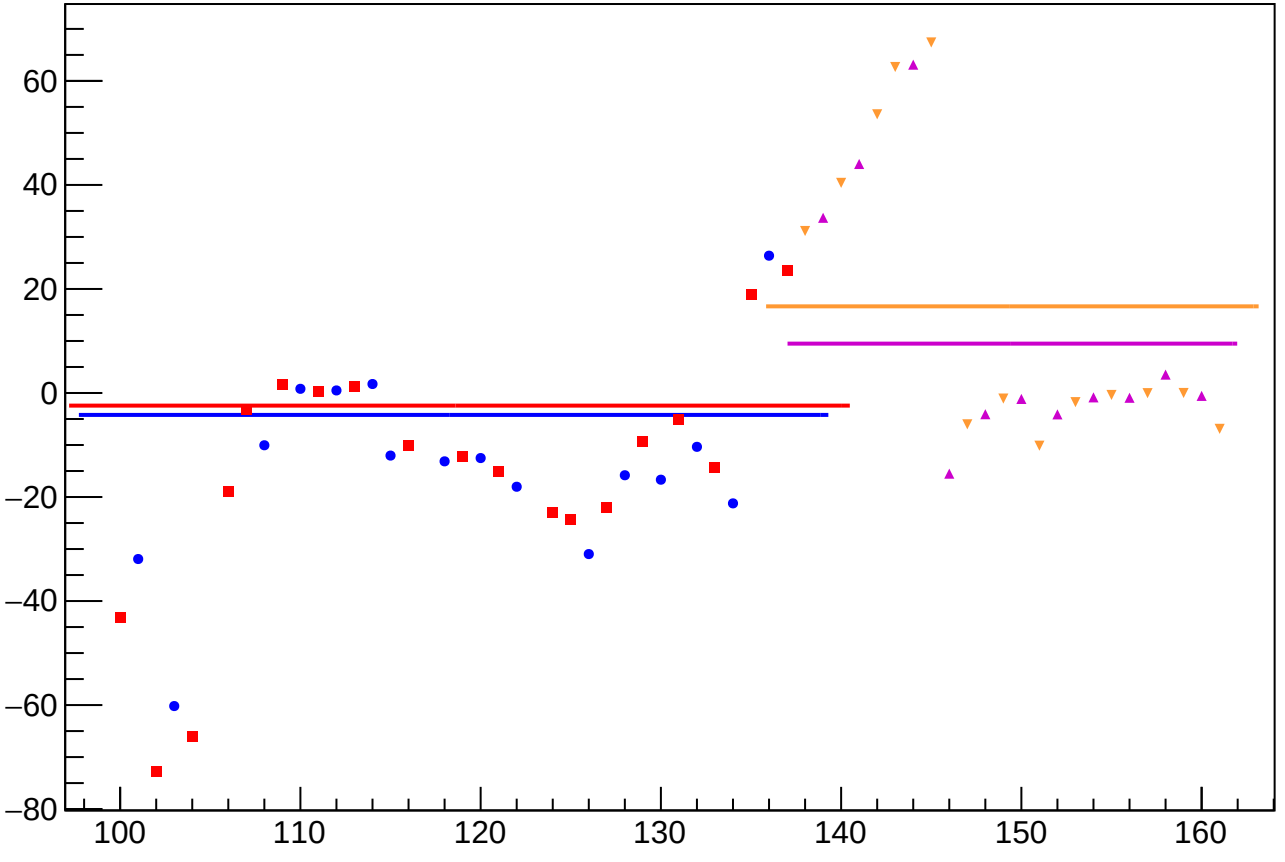
Left In: -0.109+/-0.002 χ^2/NDF:2902.1/10

+ sign -0.188+/-0.002 χ^2/NDF: 15399.7/28

All: -0.150+/-0.001 χ^2/NDF: 34484.6/58

- sign -0.122+/-0.002 χ^2/NDF: 18568.8/29

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 16.657+/-0.073 χ^2/NDF:116976.9/12

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

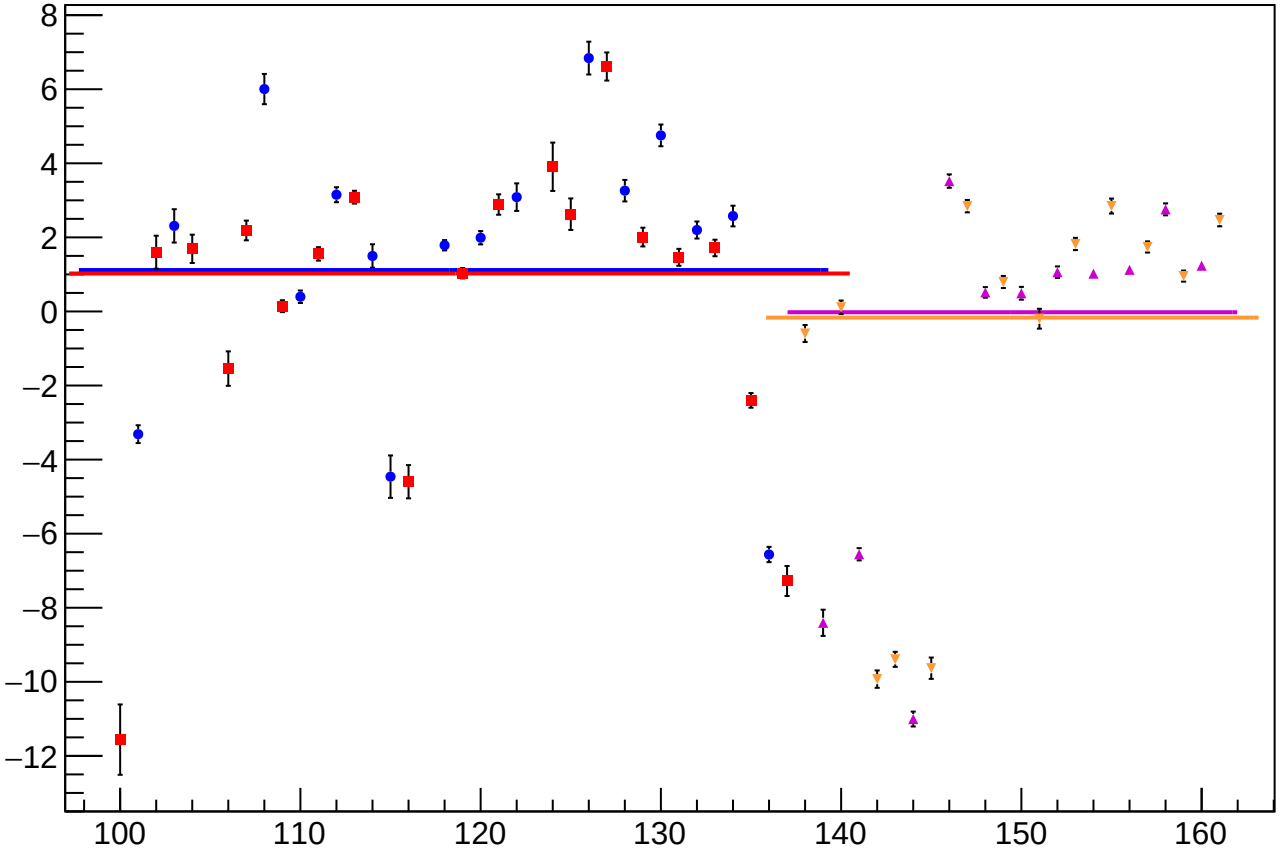
Left In: 9.490+/-0.065 χ^2/NDF:102423.6/10

+ sign 3.286+/-0.044 χ^2/NDF: 244491.2/28

All: 2.317+/-0.029 χ^2/NDF: 451016.7/58

- sign 1.604+/-0.038 χ^2/NDF: 205675.7/29

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -0.166+/-0.052 χ^2/NDF:6046.1/12

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

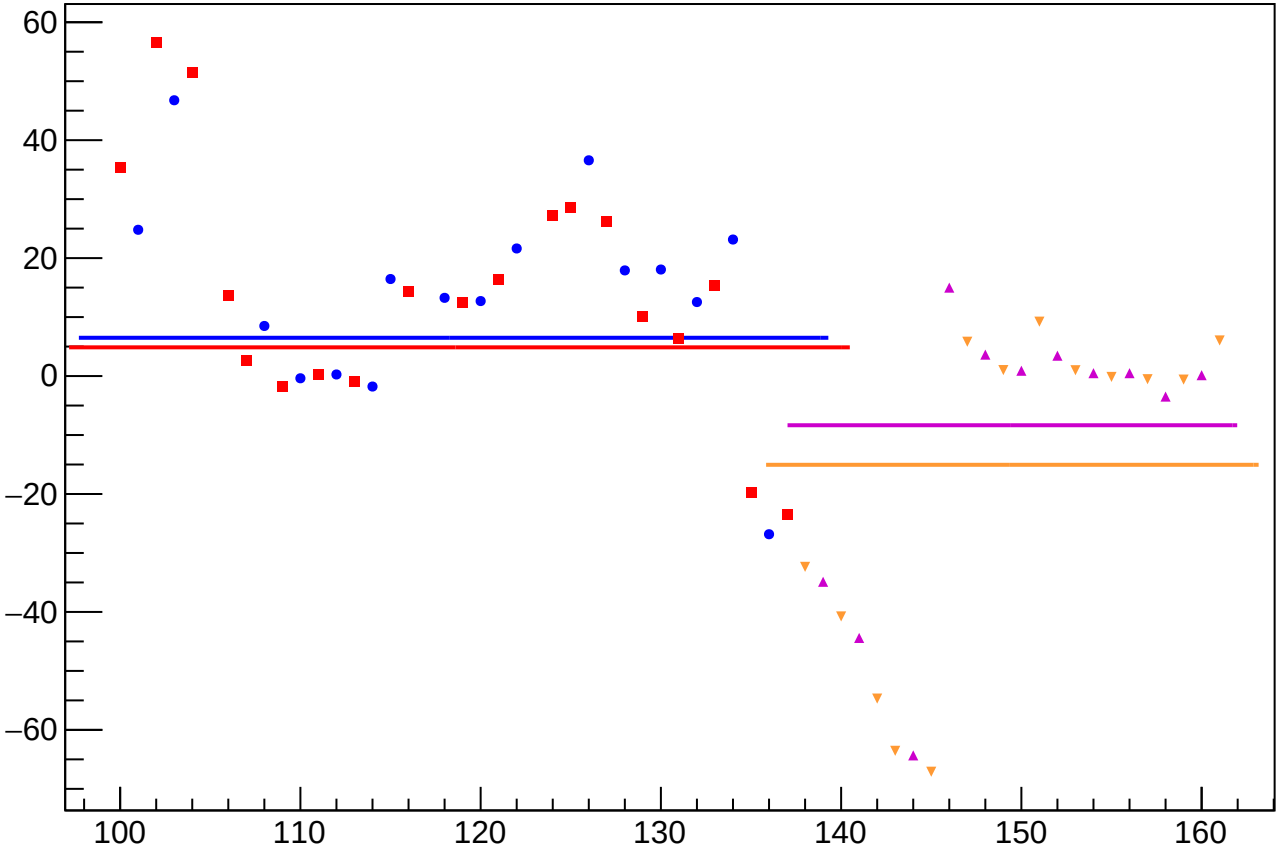
Left In: -0.021+/-0.045 χ^2/NDF:6147.2/10

+ sign 0.377+/-0.039 χ^2/NDF: 8898.5/28

All: 0.376+/-0.026 χ^2/NDF: 16865.2/58

- sign 0.374+/-0.035 χ^2/NDF: 7966.7/29

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -15.049+/-0.071 χ^2/NDF:117979.3/12

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

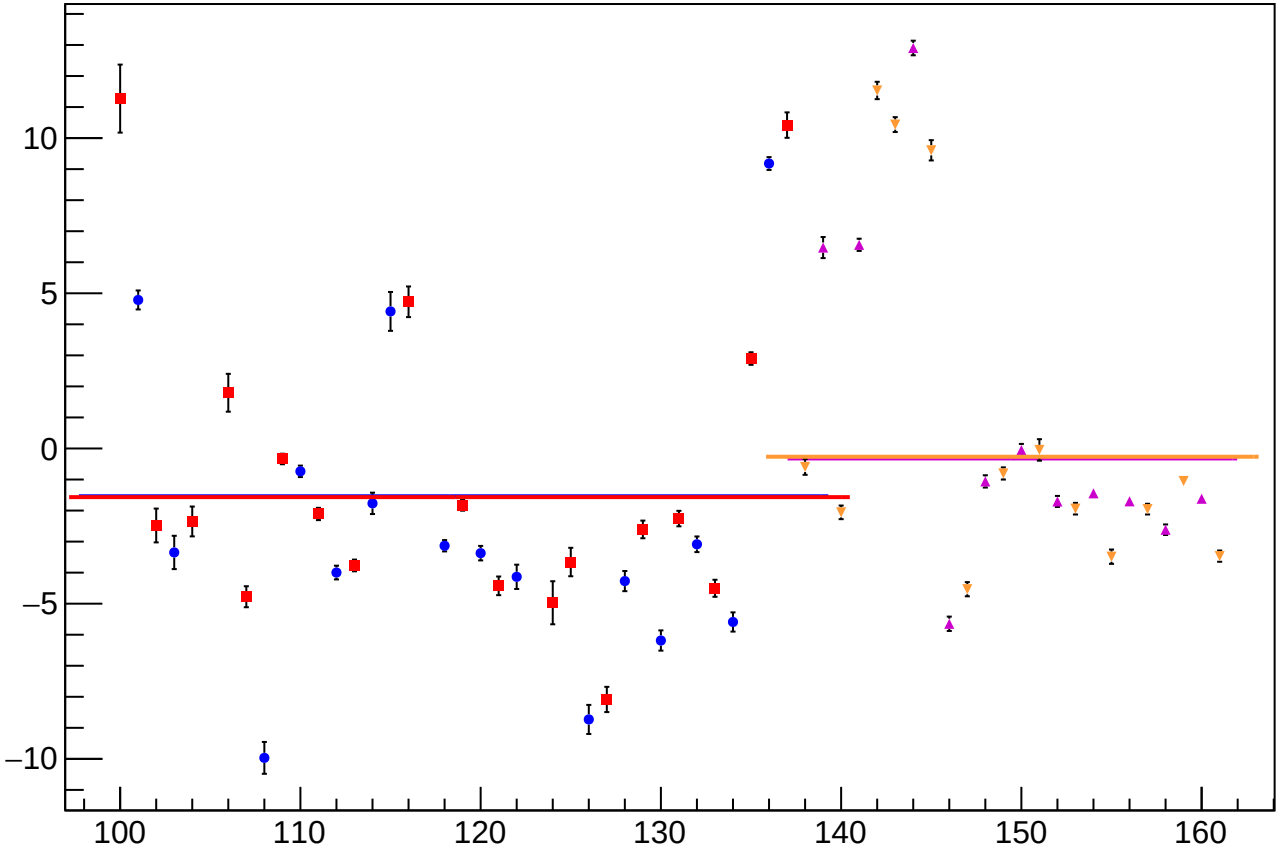
Left In: -8.340+/-0.061 χ^2/NDF:102879.0/10

+ sign -3.411+/-0.048 χ^2/NDF: 238744.3/28

All: -2.336+/-0.032 χ^2/NDF: 441743.2/58

- sign -1.486+/-0.043 χ^2/NDF: 202098.8/29

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -0.266+/-0.060 χ^2/NDF:5812.8/12

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

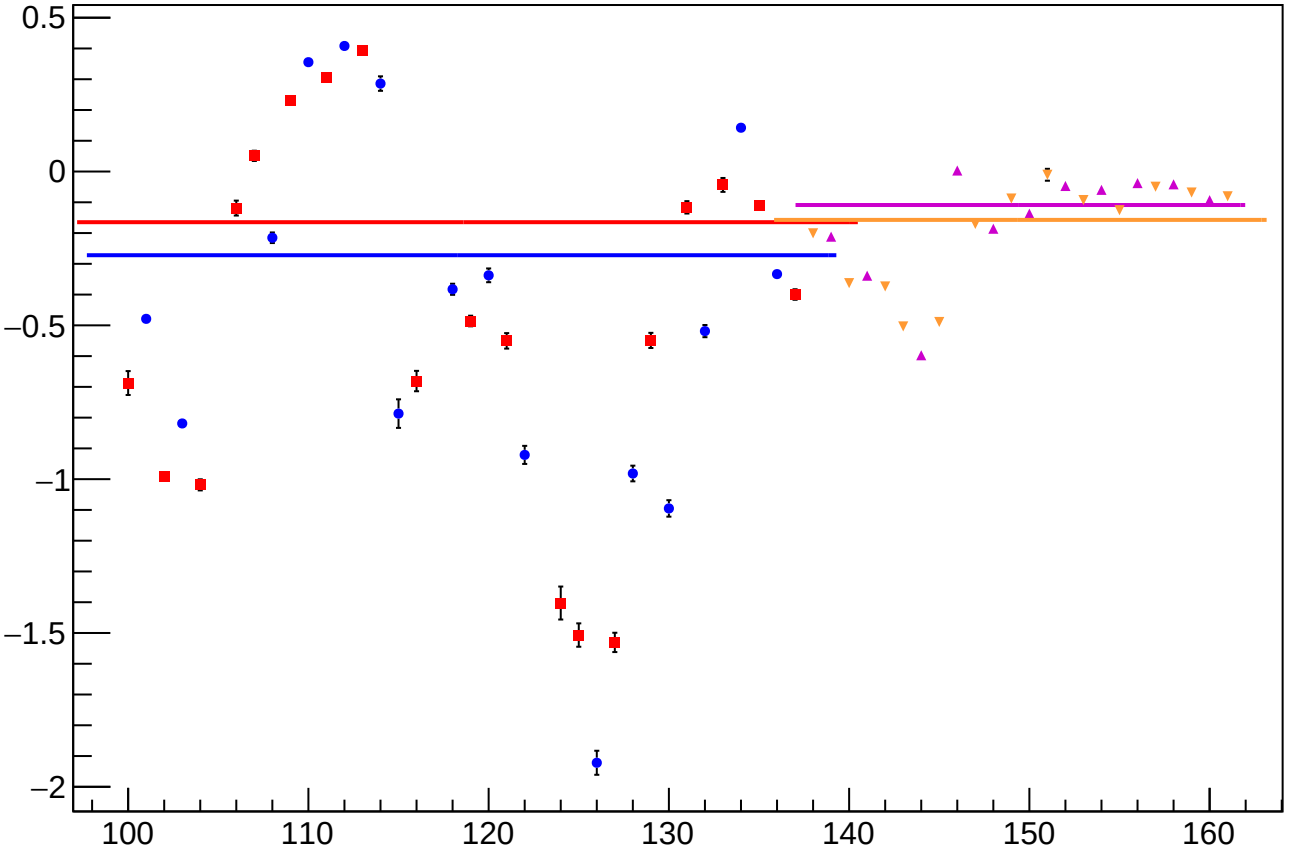
Left In: -0.322+/-0.051 χ^2/NDF:5867.0/10

+ sign -0.807+/-0.045 χ^2/NDF: 10541.7/28

All: -0.806+/-0.030 χ^2/NDF: 19133.2/58

- sign -0.805+/-0.040 χ^2/NDF: 8591.5/29

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.157+/-0.003 χ^2/NDF:2806.8/12

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

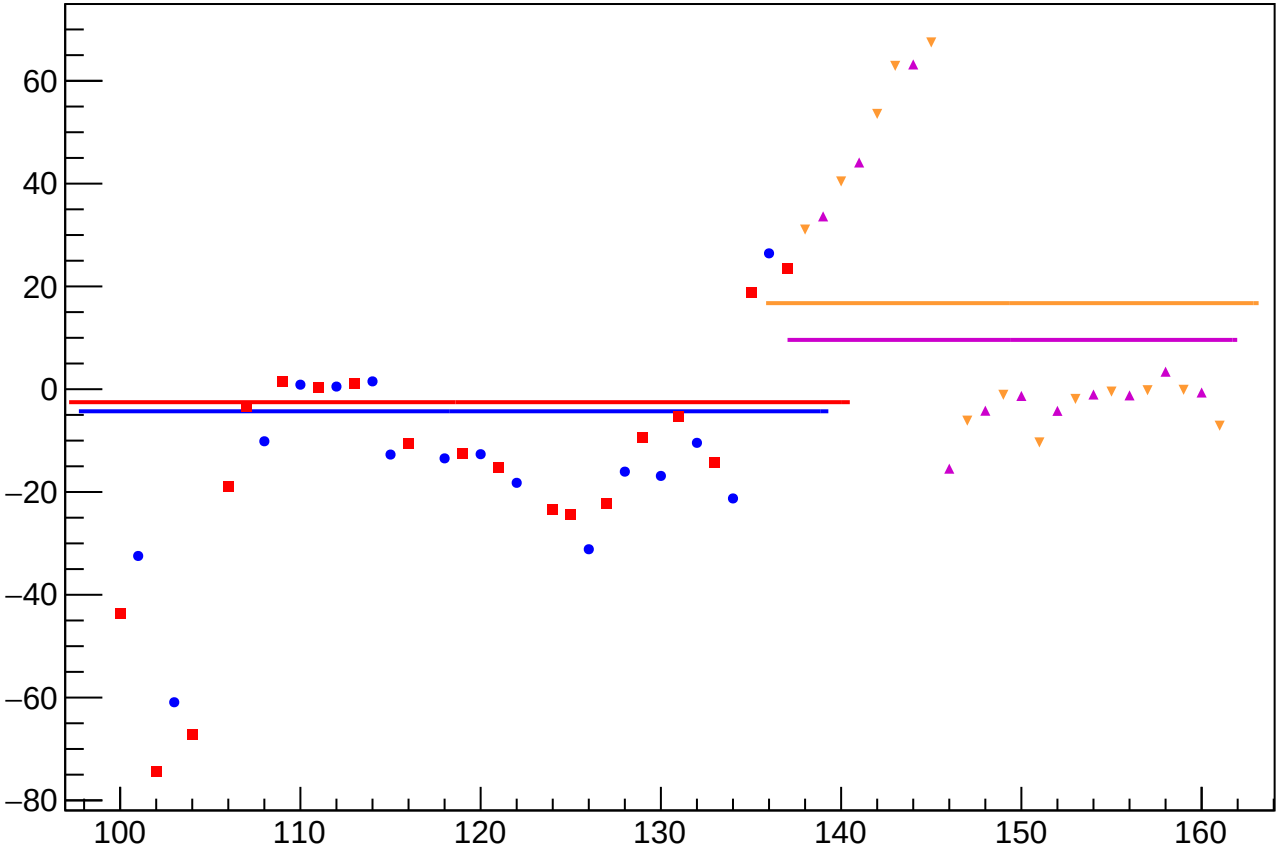
Left In: -0.109+/-0.002 χ^2/NDF:2908.7/10

+ sign -0.190+/-0.002 χ^2/NDF: 15416.9/28

All: -0.151+/-0.001 χ^2/NDF: 34508.5/58

- sign -0.123+/-0.002 χ^2/NDF: 18561.4/29

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 16.745+/-0.074 χ^2/NDF:115219.2/12

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

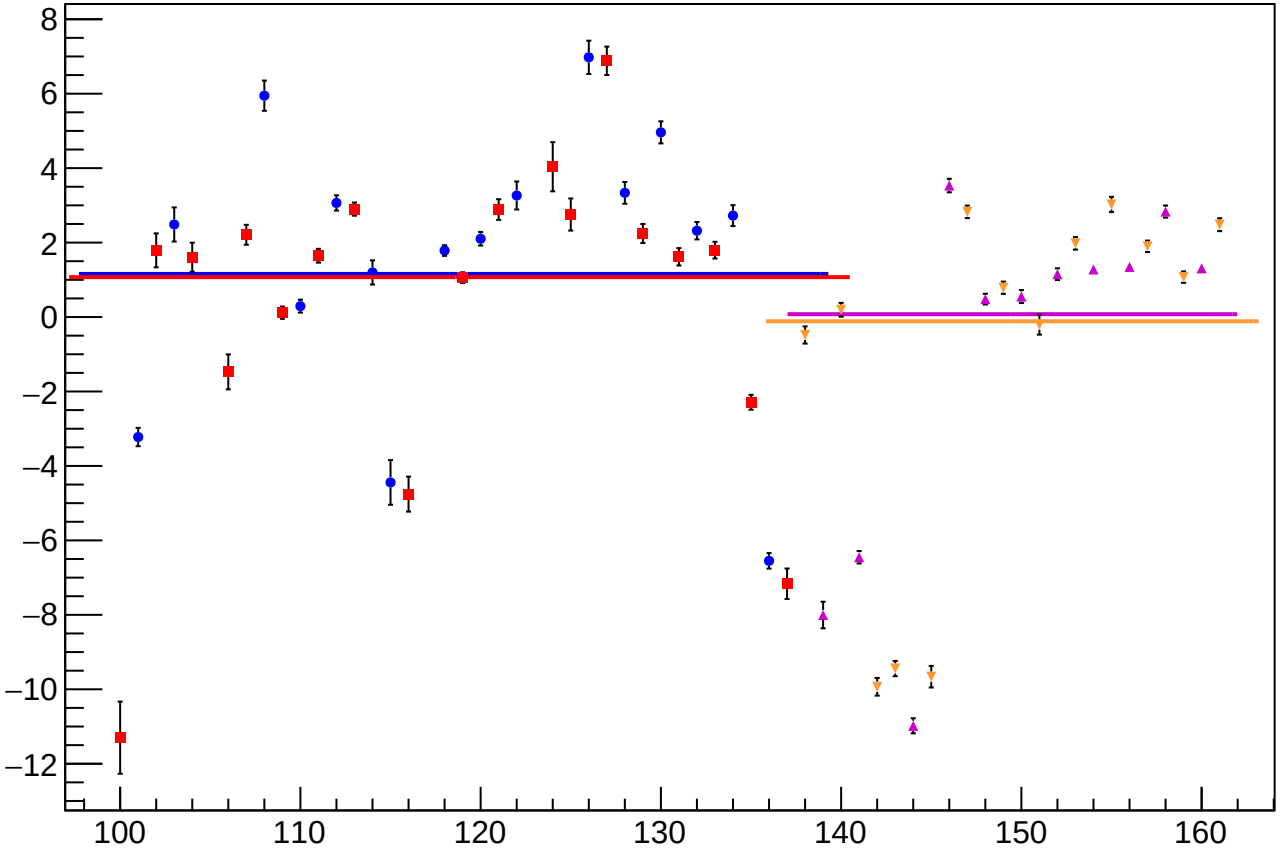
Left In: 9.595+/-0.066 χ^2/NDF:100619.9/10

+ sign 3.315+/-0.045 χ^2/NDF: 240993.5/28

All: 2.322+/-0.029 χ^2/NDF: 444685.6/58

- sign 1.584+/-0.038 χ^2/NDF: 202824.5/29

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -0.114+/-0.052 χ^2/NDF:6036.1/12

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

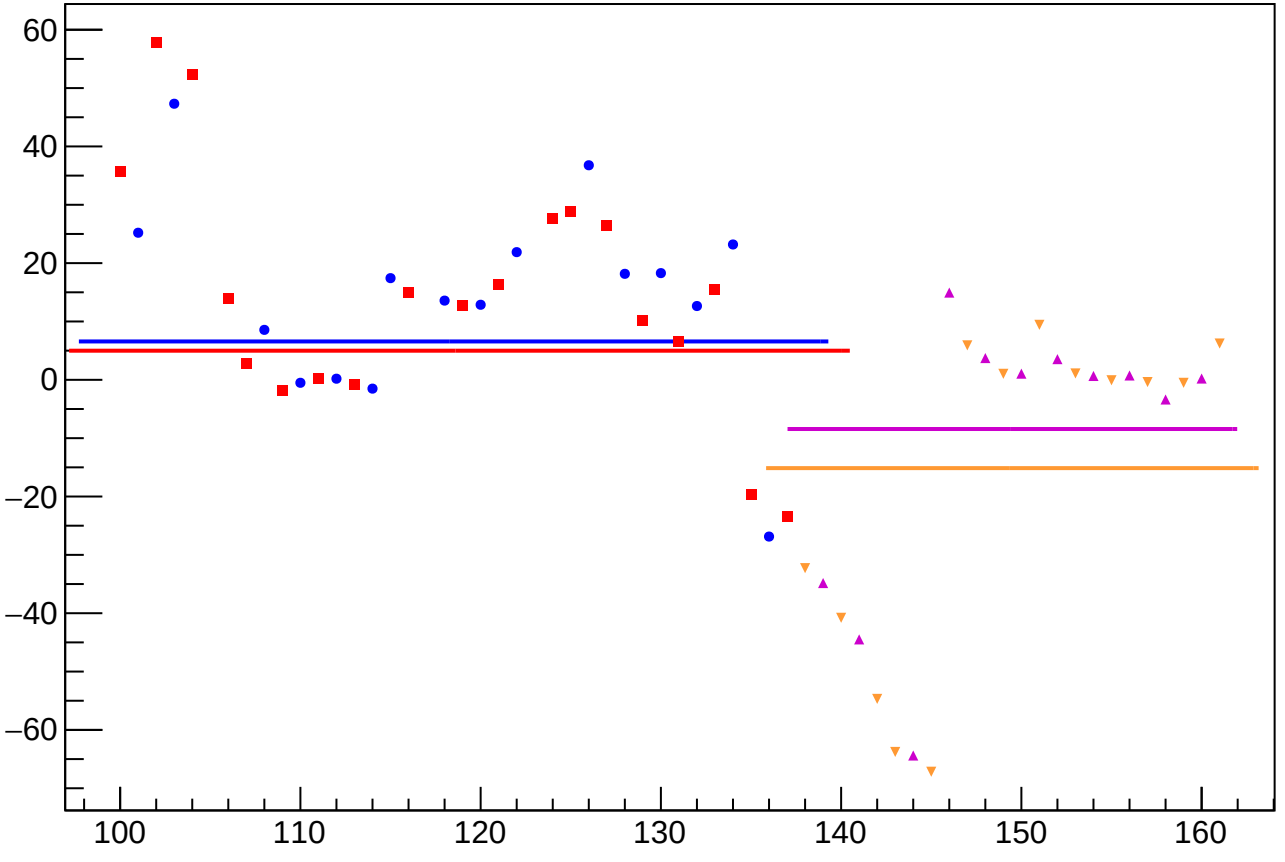
Left In: 0.076+/-0.046 χ^2/NDF:6035.4/10

+ sign 0.421+/-0.040 χ^2/NDF: 8833.6/28

All: 0.439+/-0.027 χ^2/NDF: 16601.5/58

- sign 0.454+/-0.036 χ^2/NDF: 7767.6/29

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -15.133+/-0.072 χ^2/NDF:116184.7/12

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

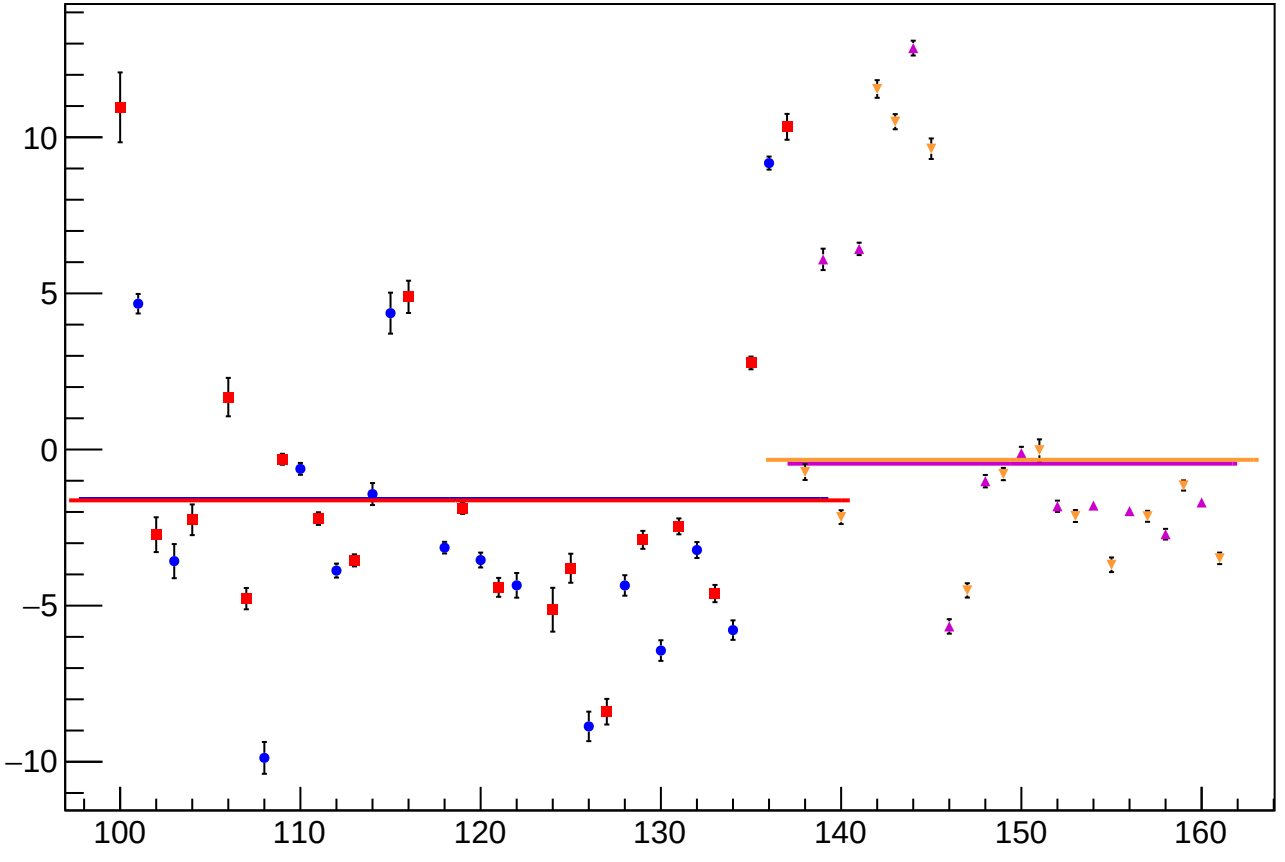
Left In: -8.429+/-0.063 χ^2/NDF:101086.0/10

+ sign -3.447+/-0.049 χ^2/NDF: 235288.9/28

All: -2.341+/-0.032 χ^2/NDF: 435473.1/58

- sign -1.457+/-0.044 χ^2/NDF: 199257.0/29

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -0.330+/-0.061 χ^2/NDF:5805.0/12

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

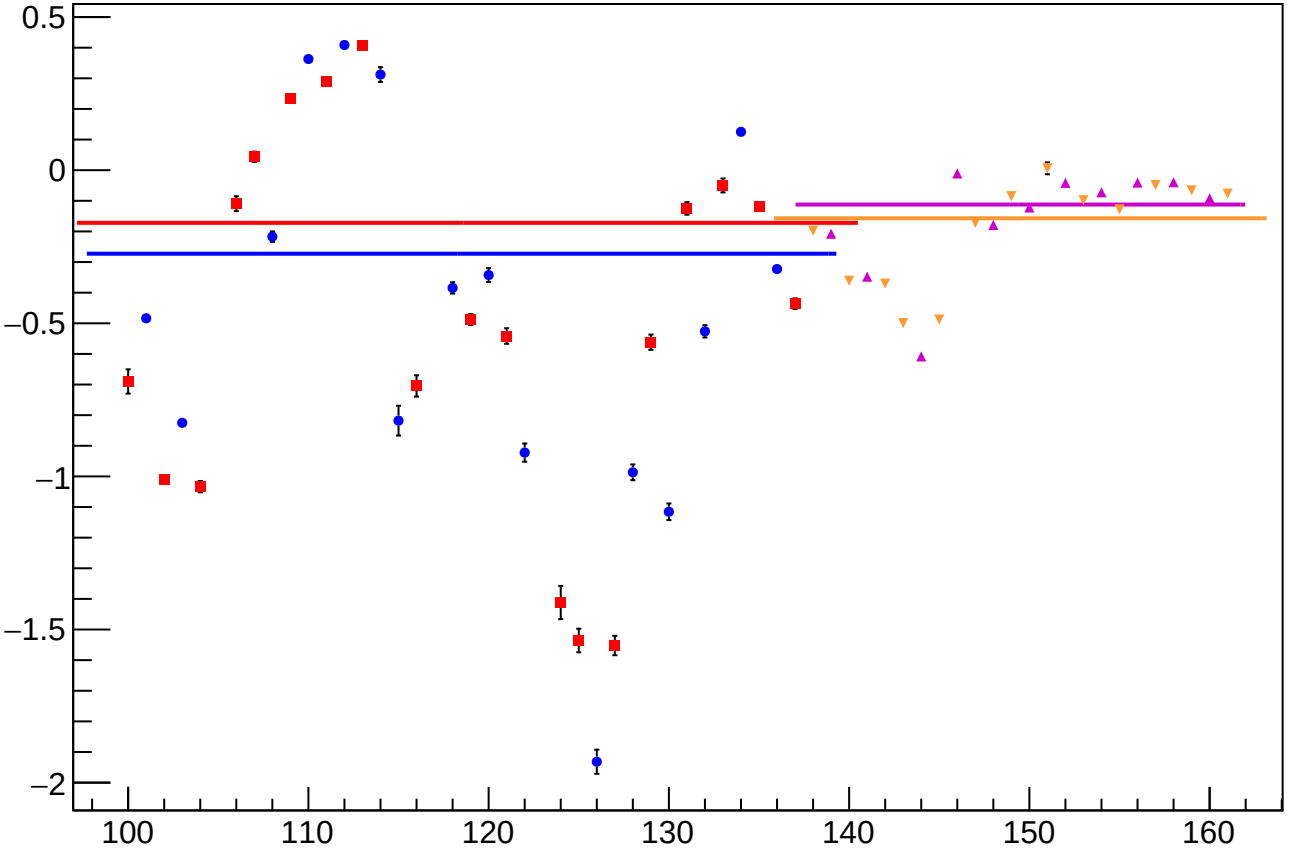
Left In: -0.453+/-0.053 χ^2/NDF:5773.2/10

+ sign -0.861+/-0.046 χ^2/NDF: 10459.3/28

All: -0.888+/-0.031 χ^2/NDF: 18849.9/58

- sign -0.911+/-0.041 χ^2/NDF: 8390.0/29

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.157+/-0.003 χ^2/NDF:2726.2/12

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

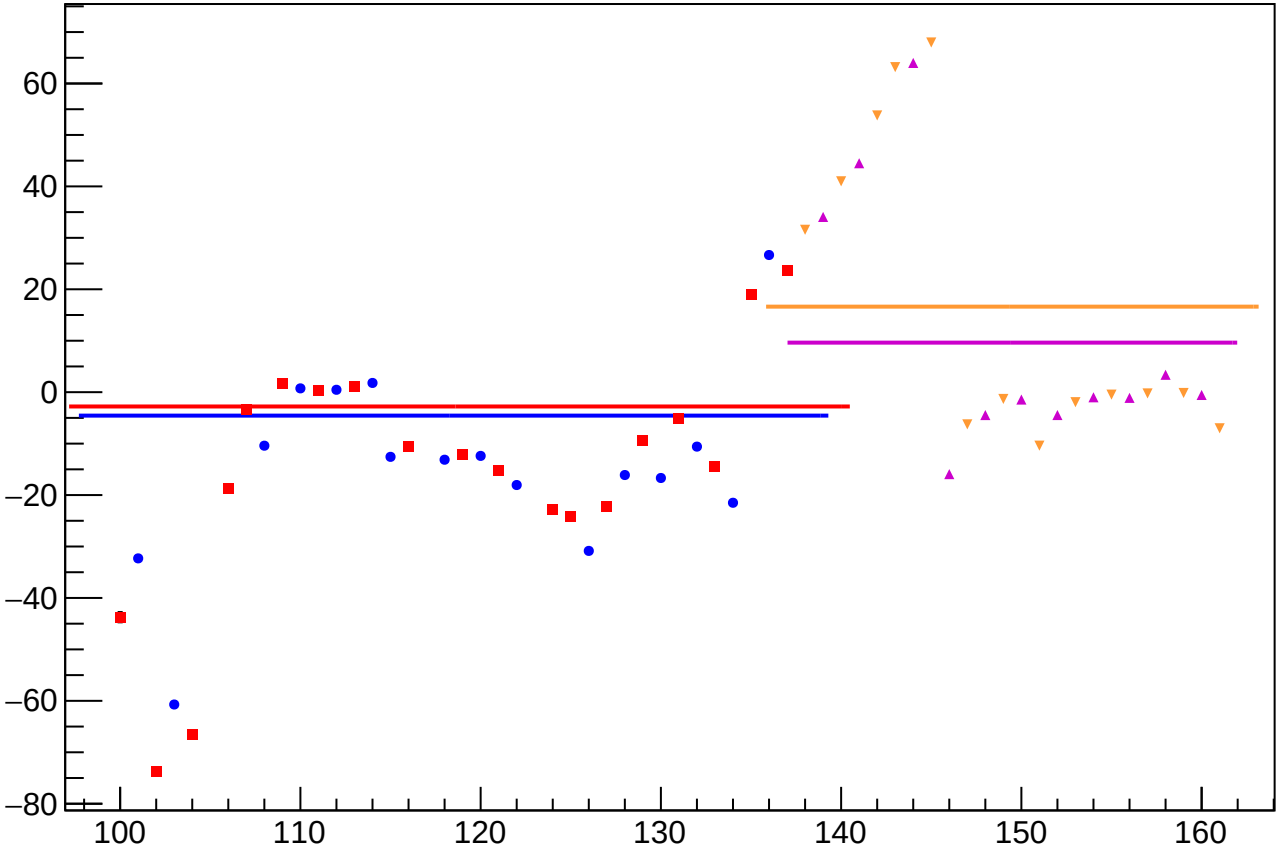
Left In: -0.112+/-0.002 χ^2/NDF:2863.1/10

+ sign -0.190+/-0.002 χ^2/NDF: 15120.3/28

All: -0.154+/-0.001 χ^2/NDF: 33929.8/58

- sign -0.127+/-0.002 χ^2/NDF: 18364.0/29

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 16.625+/-0.075 χ^2/NDF:114214.2/12

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

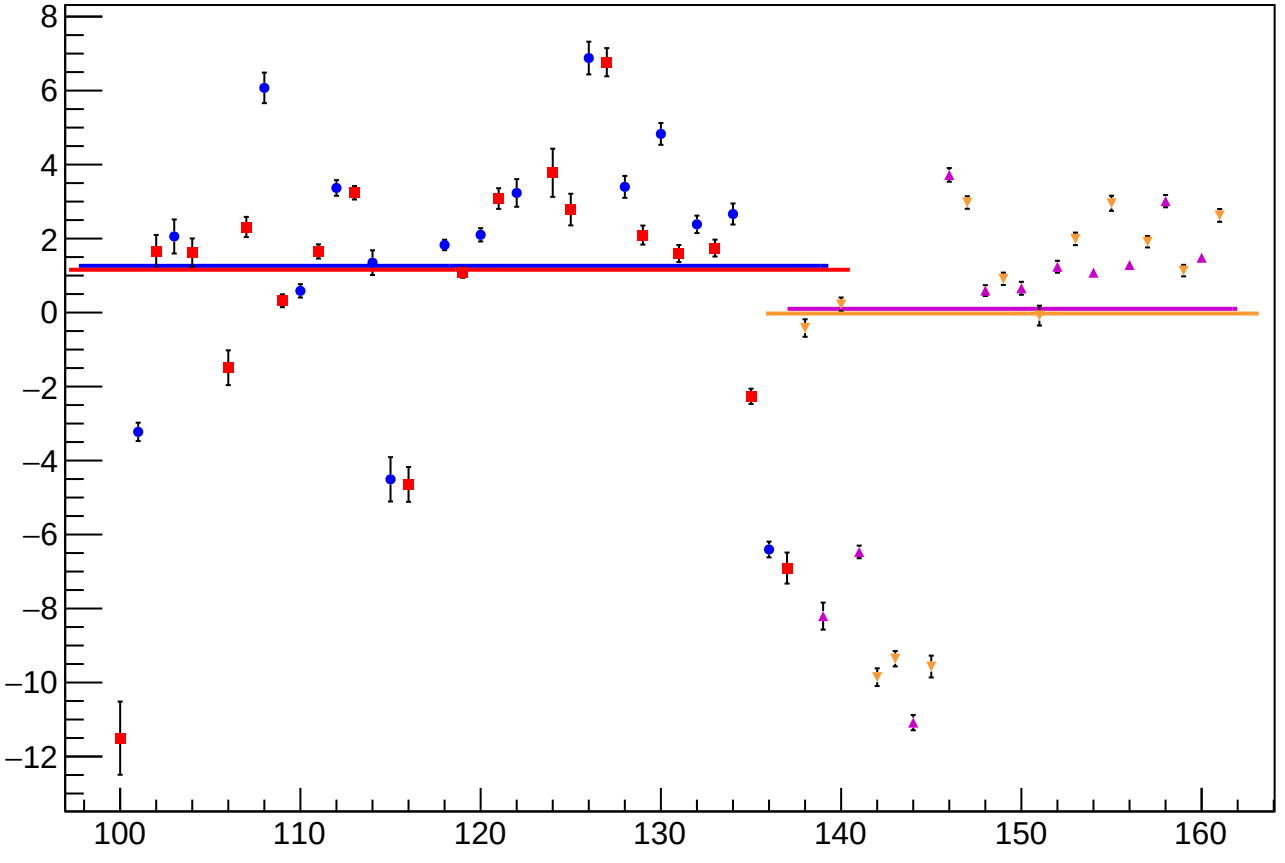
Left In: 9.630+/-0.067 χ^2/NDF:99466.5/10

+ sign 3.170+/-0.045 χ^2/NDF: 237578.9/28

All: 2.207+/-0.030 χ^2/NDF: 438216.9/58

- sign 1.482+/-0.039 χ^2/NDF: 199845.0/29

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -0.027+/-0.053 χ^2/NDF:5867.3/12

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

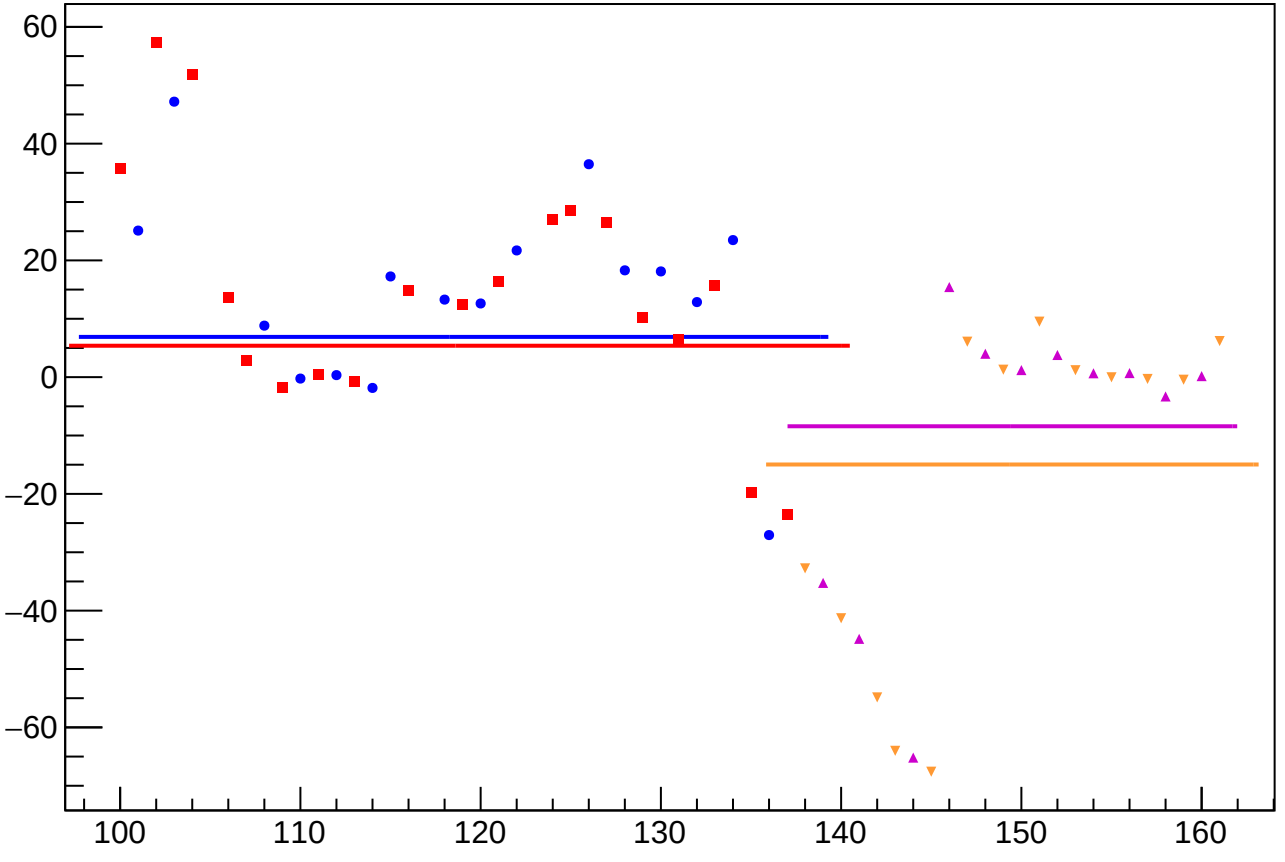
Left In: 0.101+/-0.046 χ^2/NDF:5975.9/10

+ sign 0.517+/-0.040 χ^2/NDF: 8561.1/28

All: 0.510+/-0.027 χ^2/NDF: 16225.3/58

- sign 0.503+/-0.036 χ^2/NDF: 7664.1/29

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -14.964+/-0.073 χ^2/NDF:115024.7/12

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

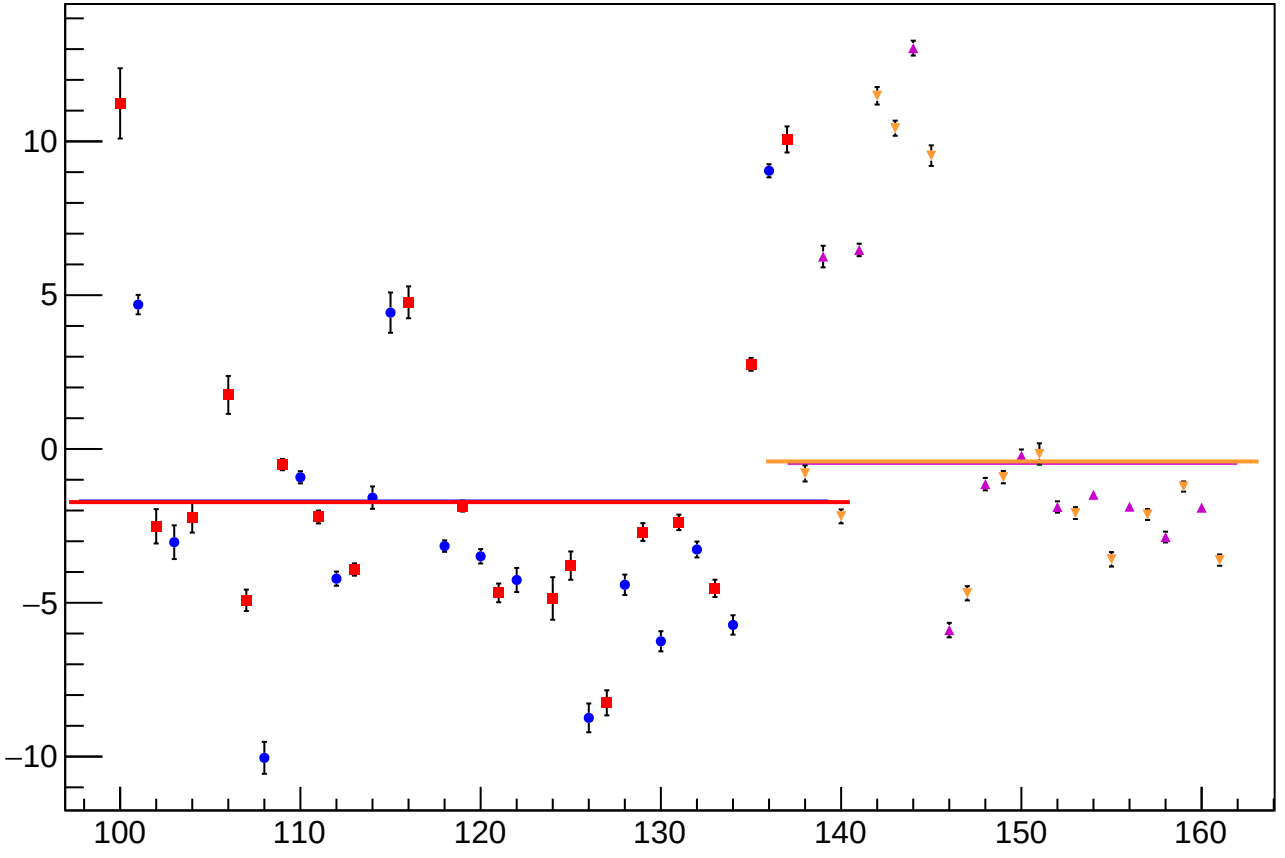
Left In: -8.416+/-0.064 χ^2/NDF:99899.5/10

+ sign -3.228+/-0.049 χ^2/NDF: 231833.8/28

All: -2.149+/-0.033 χ^2/NDF: 428965.6/58

- sign -1.276+/-0.044 χ^2/NDF: 196267.4/29

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -0.405+/-0.061 χ^2/NDF:5645.2/12

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

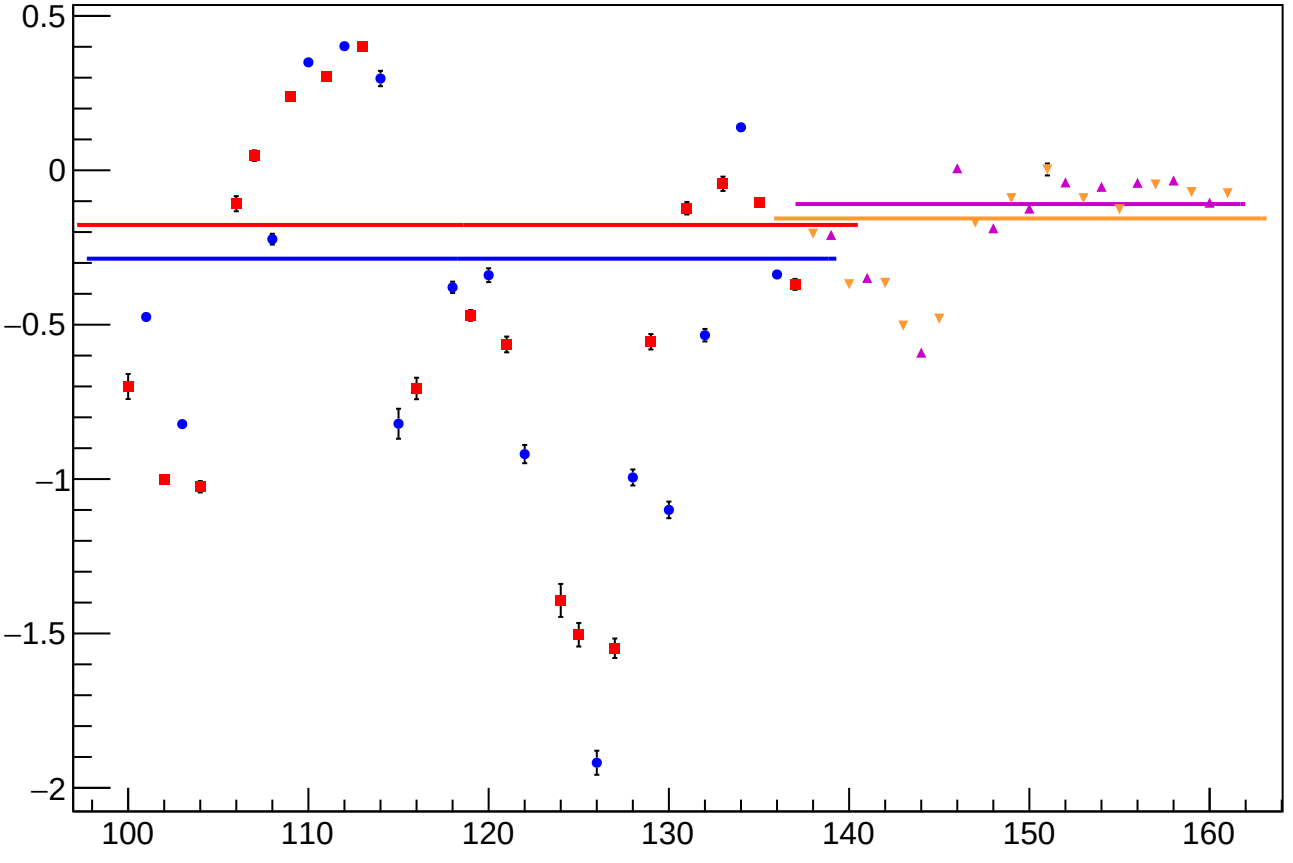
Left In: -0.450+/-0.053 χ^2/NDF:5725.6/10

+ sign -0.955+/-0.047 χ^2/NDF: 10126.3/28

All: -0.951+/-0.031 χ^2/NDF: 18384.3/58

- sign -0.948+/-0.042 χ^2/NDF: 8258.0/29

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.156+/-0.003 χ^2/NDF:2689.6/12

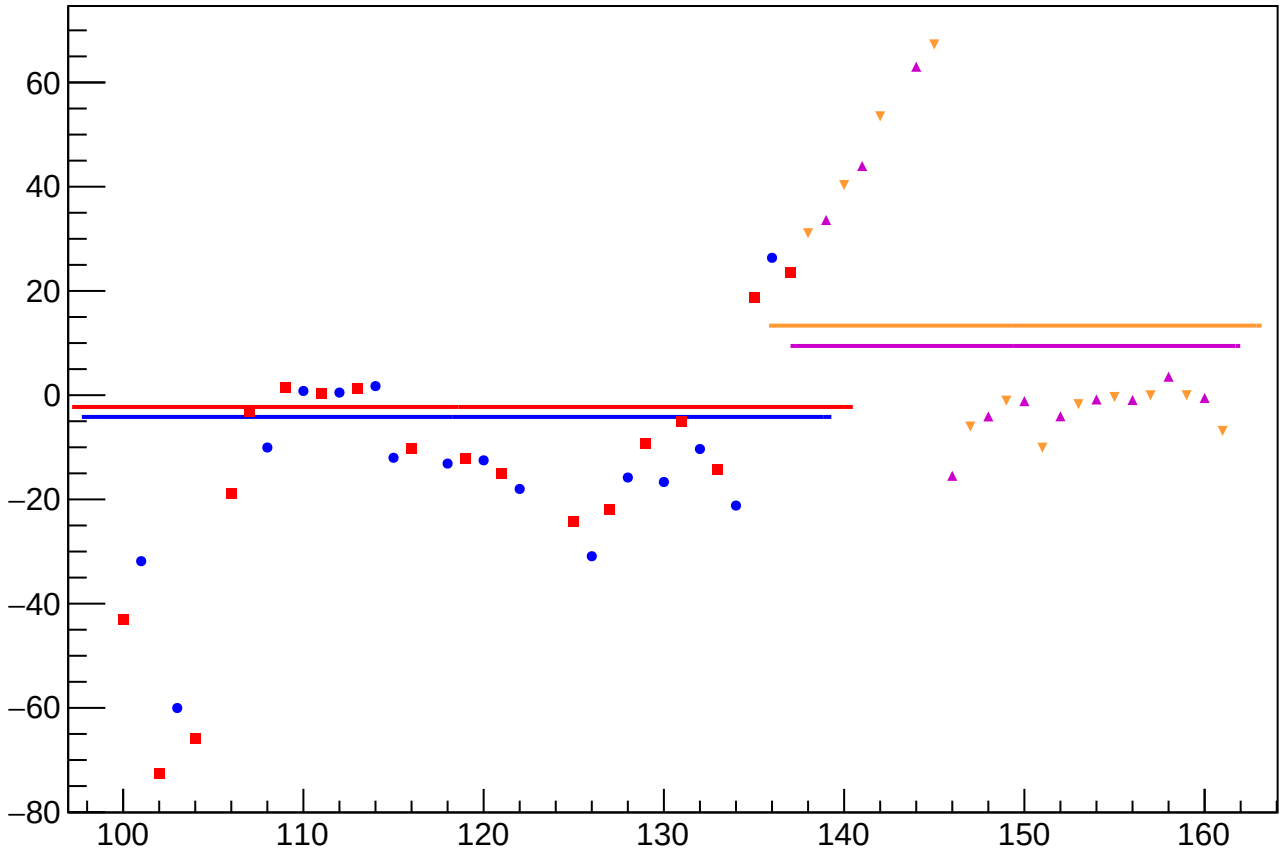
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.109+/-0.002 χ^2/NDF:2775.7/10

+ sign -0.193+/-0.002 χ^2/NDF: 14714.8/28

All: -0.155+/-0.001 χ^2/NDF: 32968.5/58

- sign -0.126+/-0.002 χ^2/NDF: 17763.5/29



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 13.346+/-0.075 χ^2/NDF:88873.0/11

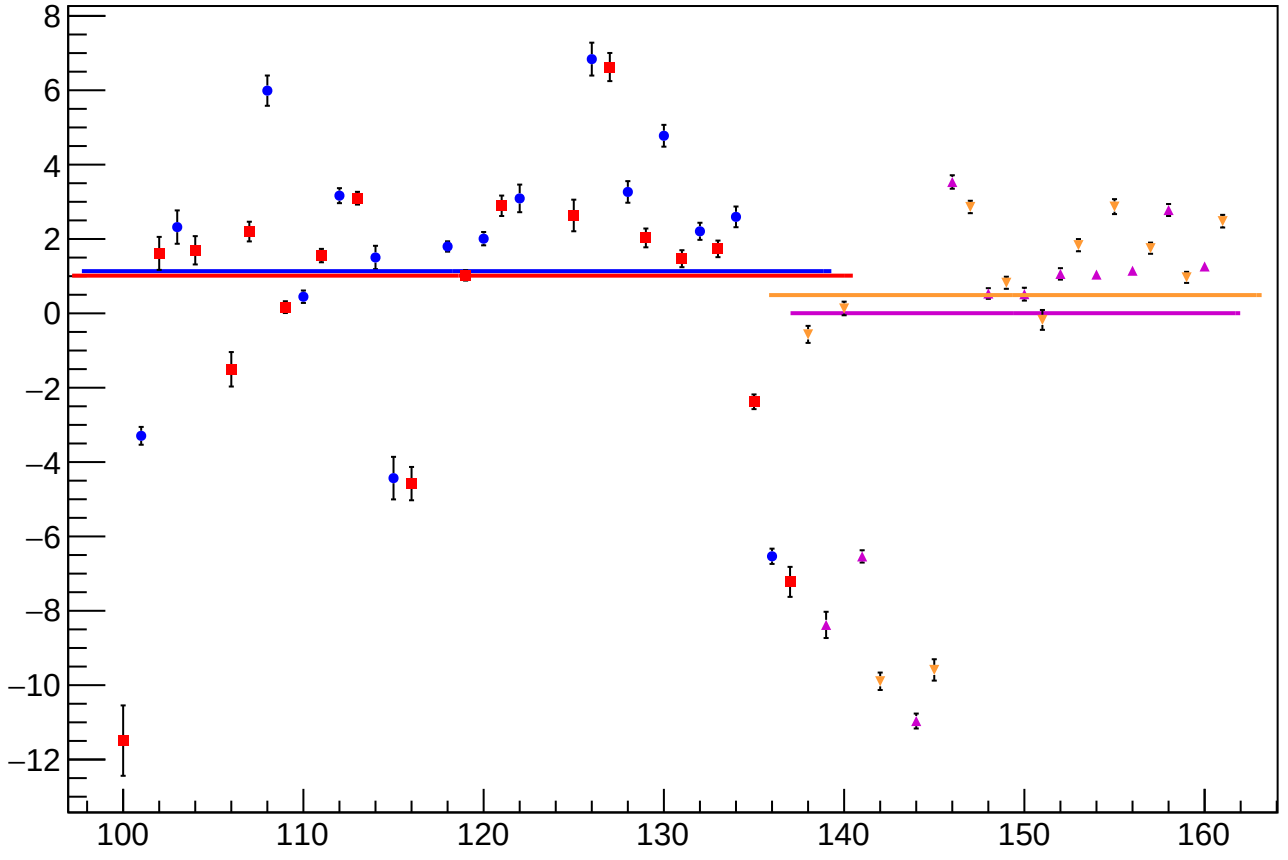
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 9.444+/-0.064 χ^2/NDF:102673.6/10

+ sign 1.837+/-0.044 χ^2/NDF: 199785.1/27

All: 1.761+/-0.029 χ^2/NDF: 403996.2/56

- sign 1.706+/-0.037 χ^2/NDF: 204205.9/28



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.491+/-0.053 χ^2/NDF:3855.8/11

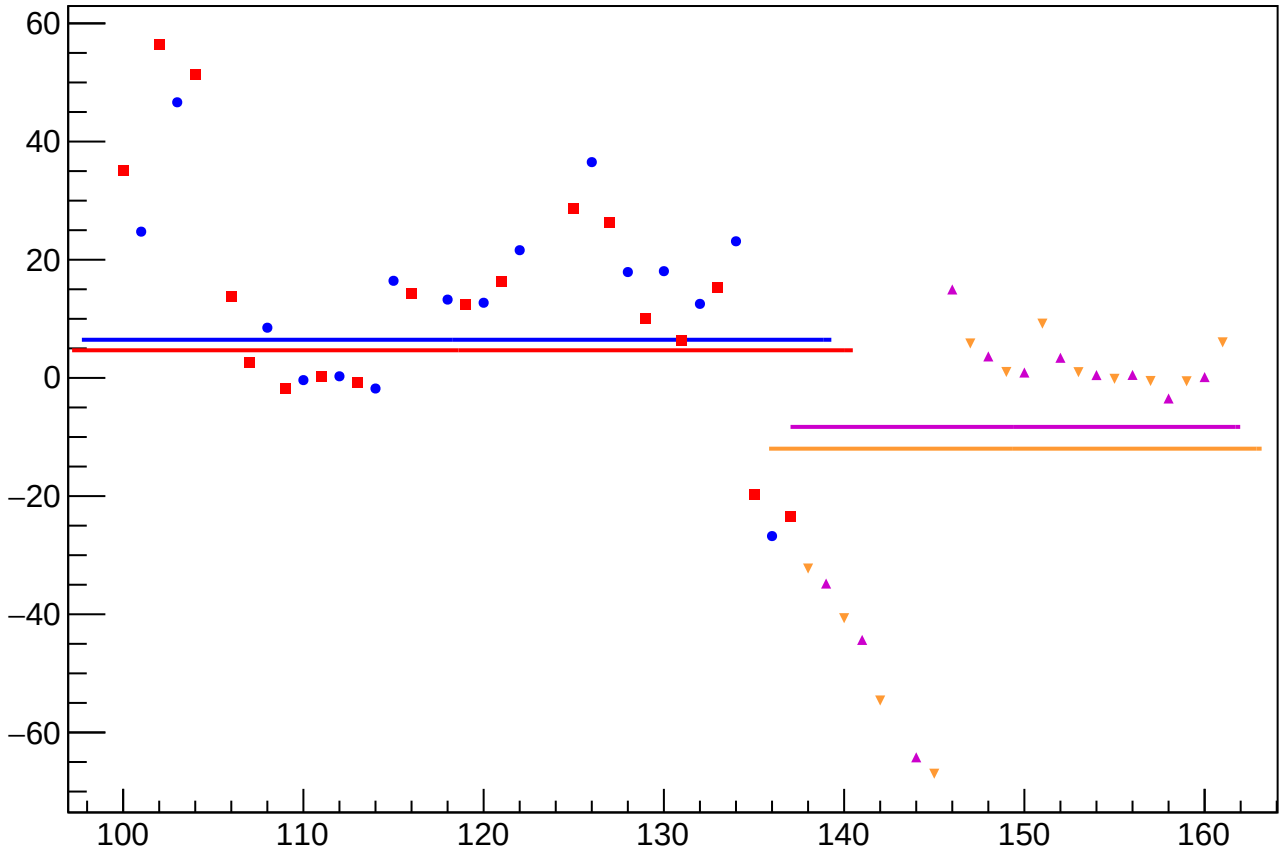
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.004+/-0.044 χ^2/NDF:6168.9/10

+ sign 0.774+/-0.040 χ^2/NDF: 6515.6/27

All: 0.555+/-0.026 χ^2/NDF: 14525.6/56

- sign 0.385+/-0.035 χ^2/NDF: 7956.3/28



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -11.973+/-0.073 χ^2/NDF:88695.6/11

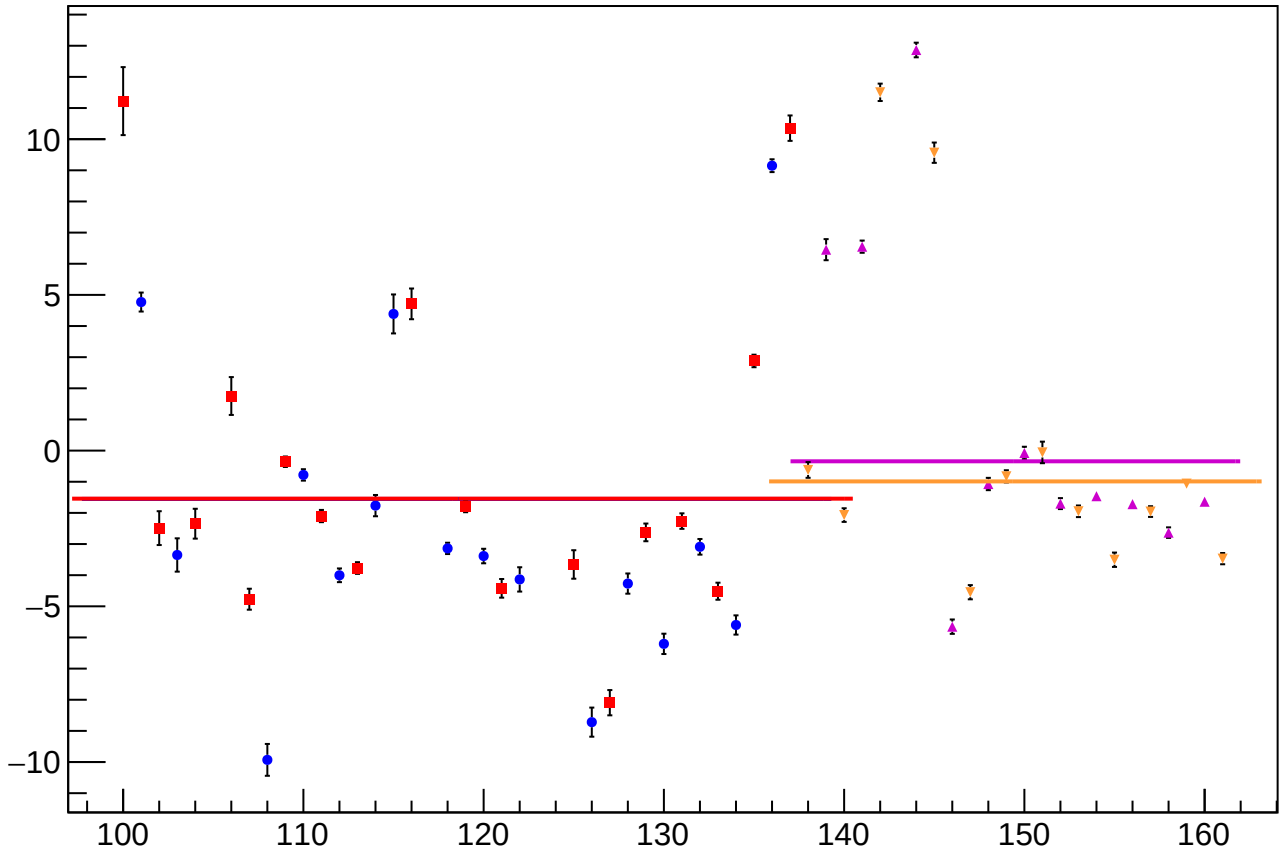
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -8.288+/-0.061 χ^2/NDF:103114.5/10

+ sign -1.733+/-0.048 χ^2/NDF: 195265.0/27

All: -1.646+/-0.032 χ^2/NDF: 396026.9/56

- sign -1.578+/-0.043 χ^2/NDF: 200756.1/28



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -0.989+/-0.061 χ^2/NDF:3694.8/11

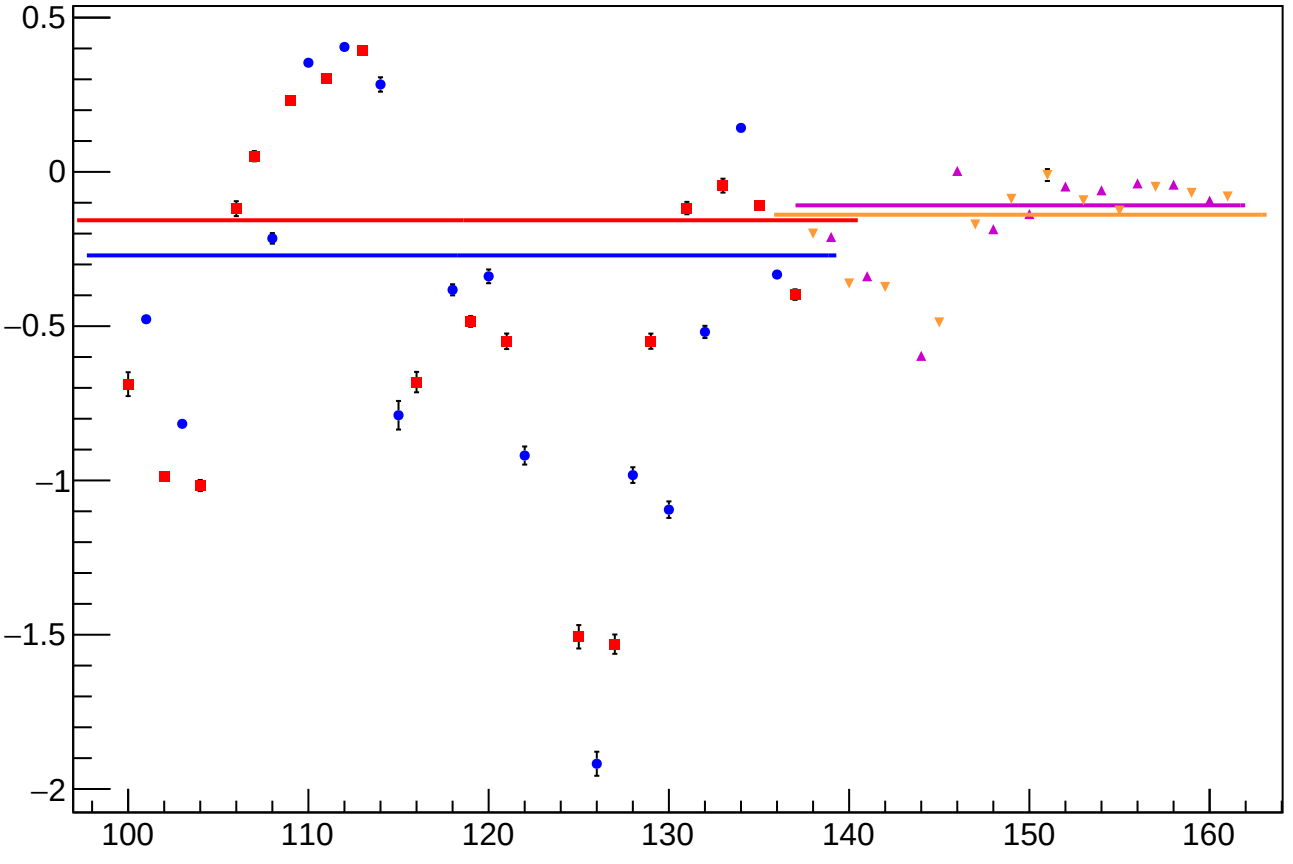
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.344+/-0.051 χ^2/NDF:5885.3/10

+ sign -1.237+/-0.046 χ^2/NDF: 8275.3/27

All: -0.993+/-0.030 χ^2/NDF: 16895.0/56

- sign -0.807+/-0.040 χ^2/NDF: 8570.1/28



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.139+/-0.003 χ^2/NDF:1918.3/11

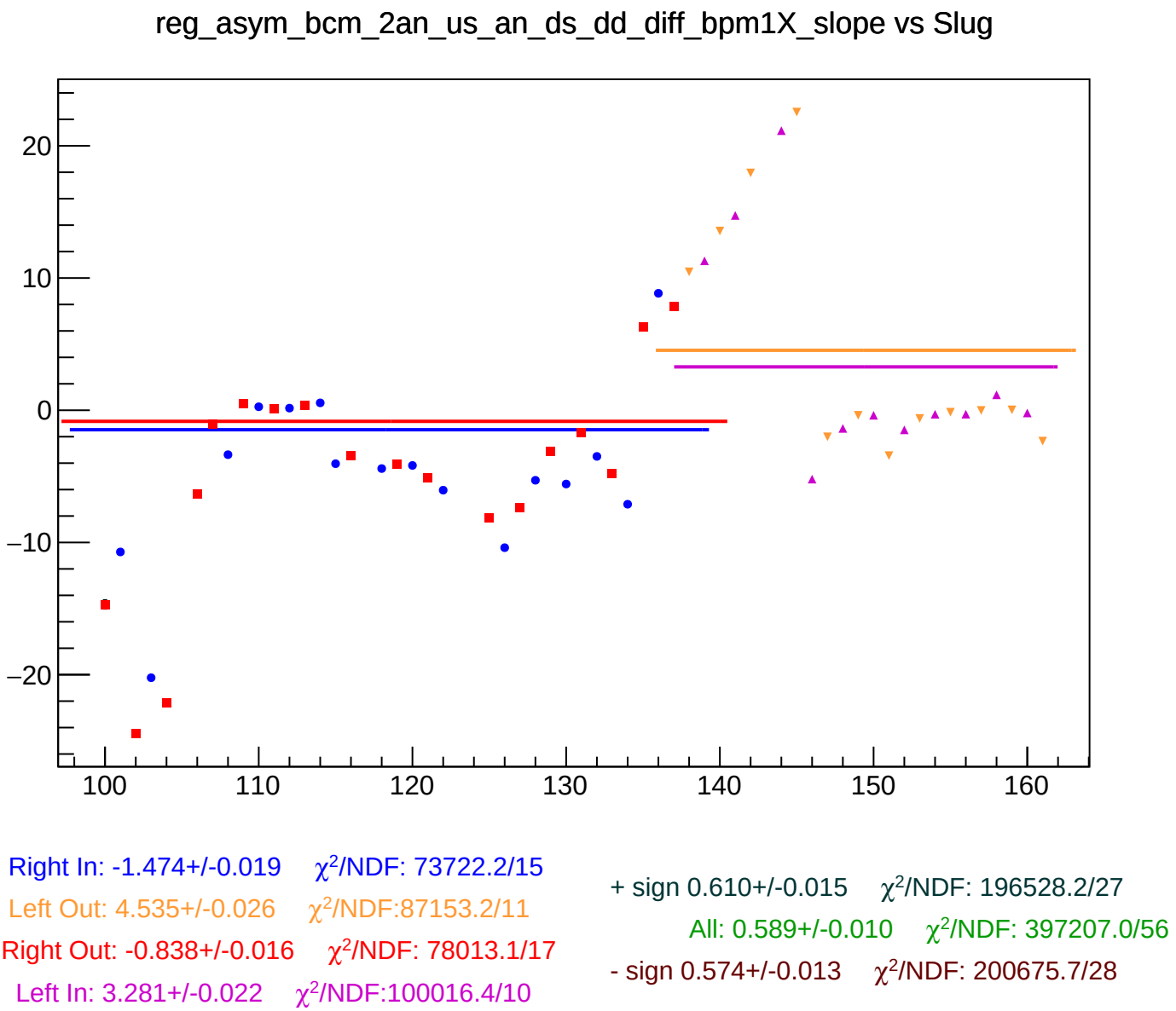
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

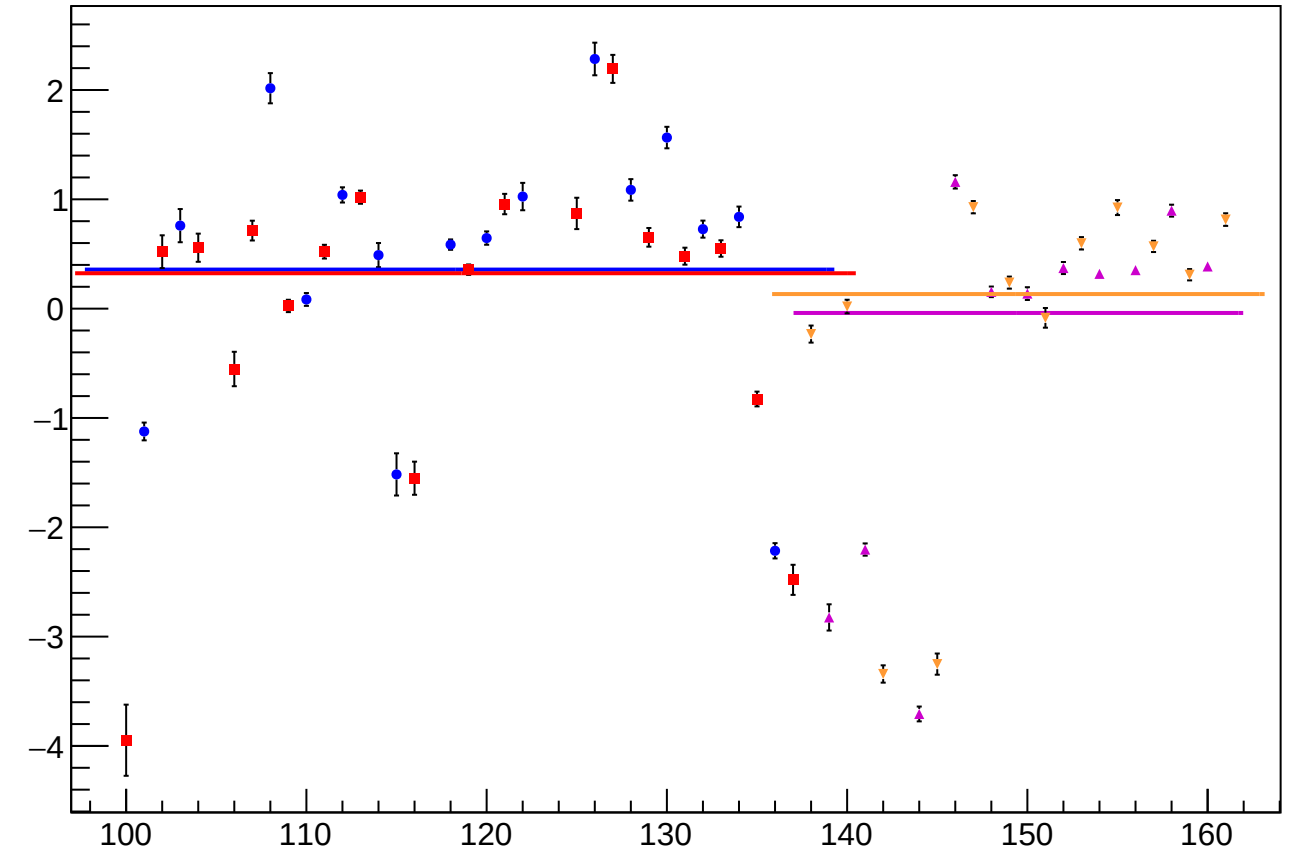
Left In: -0.108+/-0.002 χ^2/NDF:2915.5/10

+ sign -0.178+/-0.002 χ^2/NDF: 14730.5/27

All: -0.144+/-0.001 χ^2/NDF: 33167.7/56

- sign -0.120+/-0.002 χ^2/NDF: 18056.9/28


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
Right In: -1.474+/-0.019 χ²/NDF: 73722.2/15
Left Out: 4.535+/-0.026 χ²/NDF:87153.2/11
Right Out: -0.838+/-0.016 χ²/NDF: 78013.1/17
Left In: 3.281+/-0.022 χ²/NDF:100016.4/10
+ sign 0.610+/-0.015 χ²/NDF: 196528.2/27
All: 0.589+/-0.010 χ²/NDF: 397207.0/56
- sign 0.574+/-0.013 χ²/NDF: 200675.7/28



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.133+/-0.018 χ^2/NDF:3798.7/11

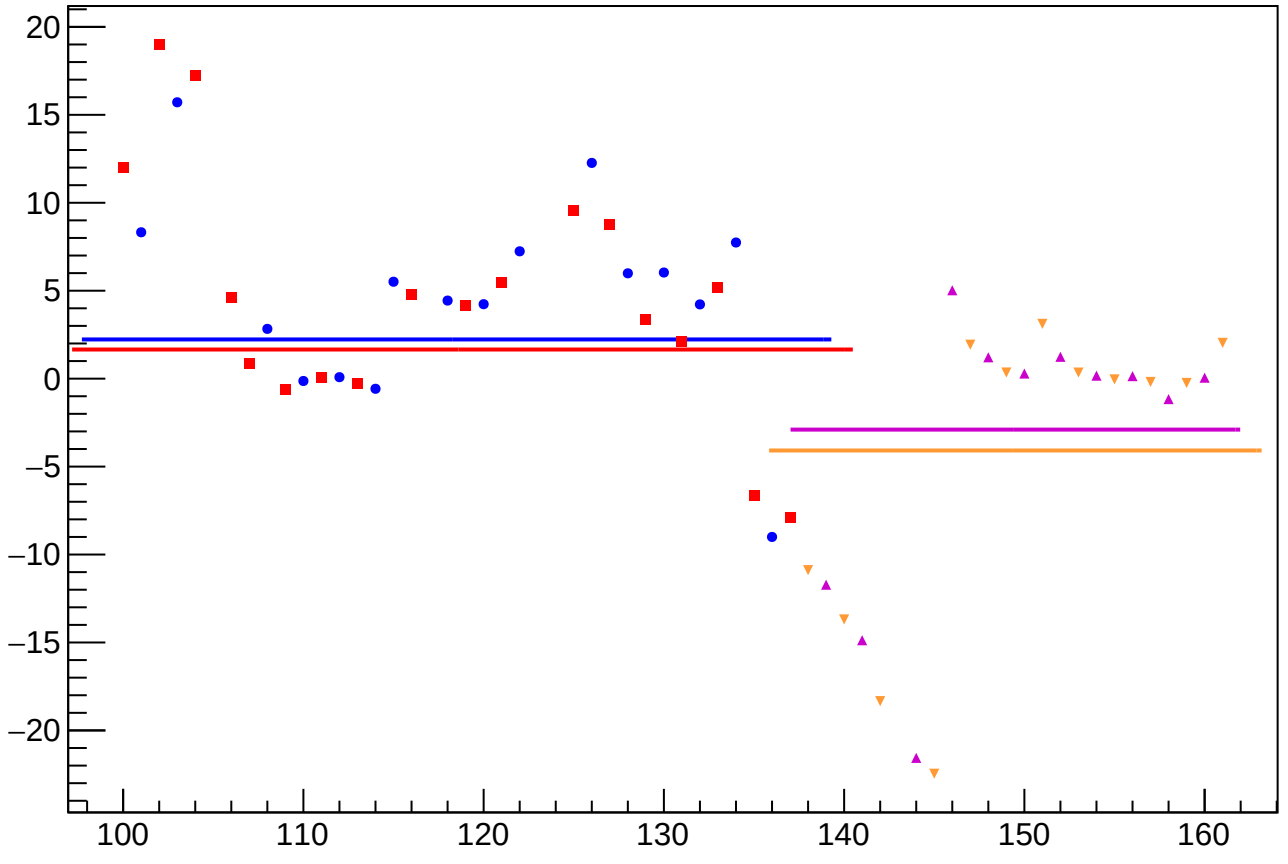
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -0.039+/-0.015 χ^2/NDF:6005.0/10

+ sign 0.232+/-0.014 χ^2/NDF: 6408.2/27

All: 0.157+/-0.009 χ^2/NDF: 14237.4/56

- sign 0.098+/-0.012 χ^2/NDF: 7775.4/28



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -4.084+/-0.025 χ^2/NDF:87025.0/11

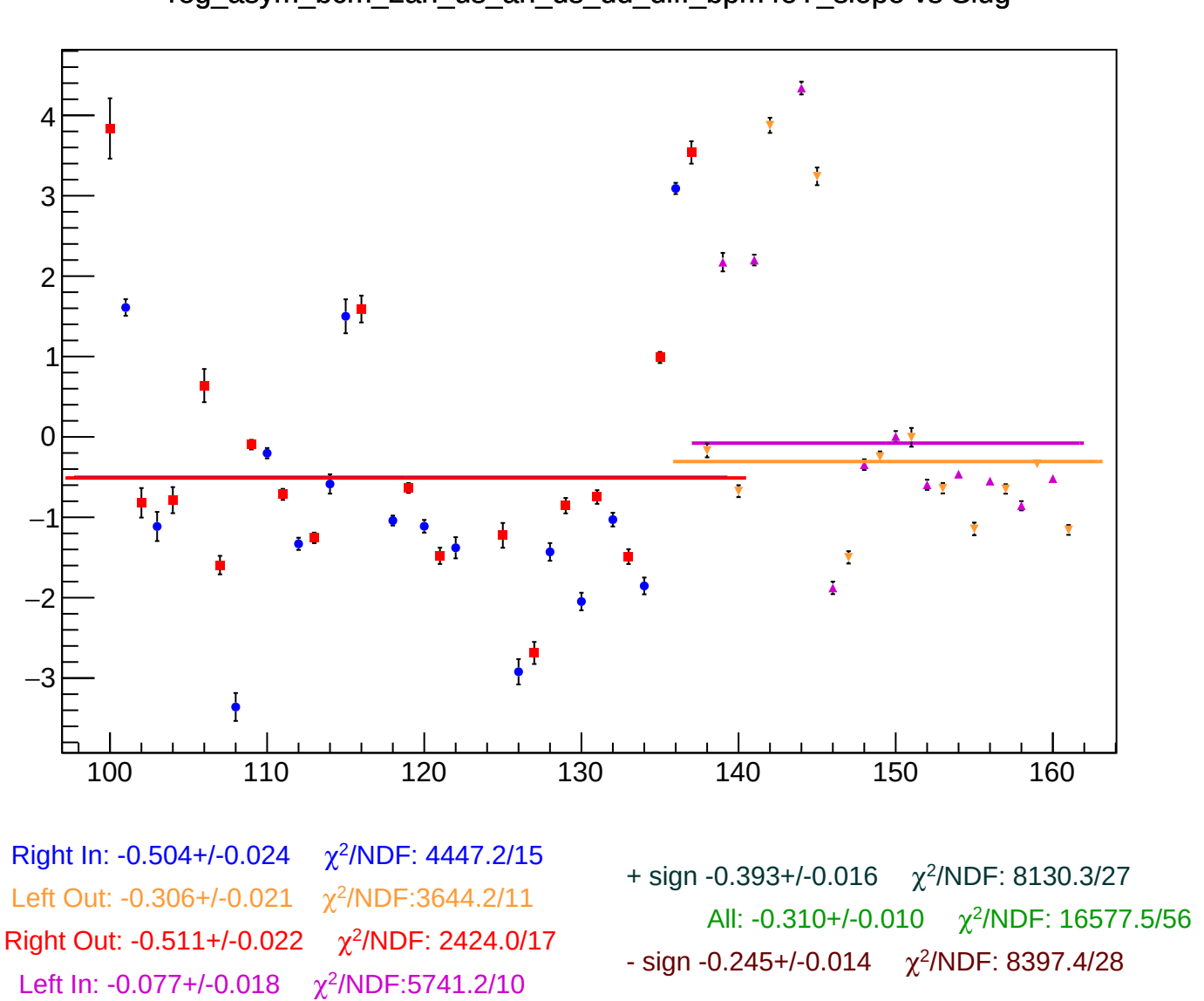
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

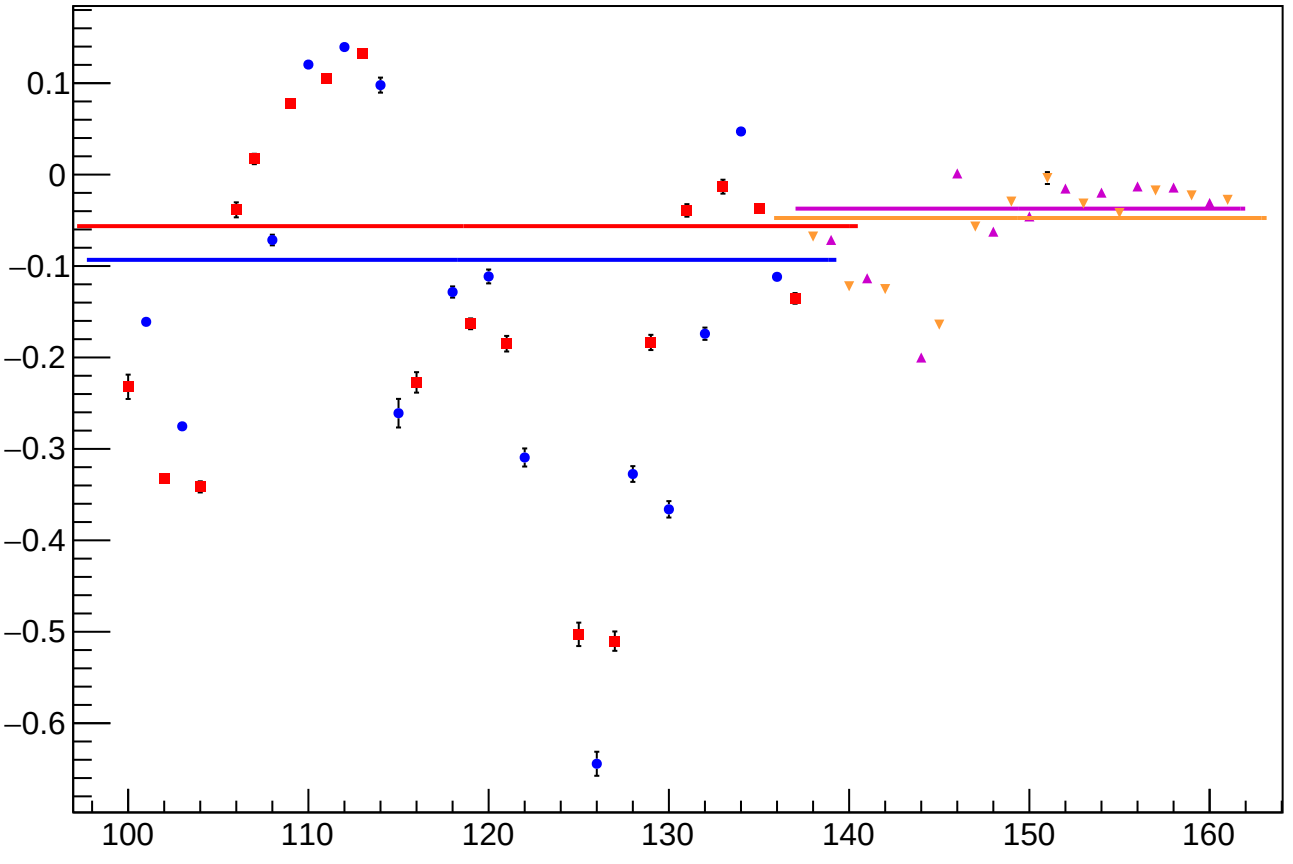
Left In: -2.897+/-0.021 χ^2/NDF:100585.3/10

\+ sign -0.587+/-0.017 χ^2/NDF: 192096.1/27

All: -0.563+/-0.011 χ^2/NDF: 389457.7/56

\- sign -0.545+/-0.015 χ^2/NDF: 197358.0/28


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
Right In: -0.504+/-0.024 χ²/NDF: 4447.2/15
Left Out: -0.306+/-0.021 χ²/NDF:3644.2/11
Right Out: -0.511+/-0.022 χ²/NDF: 2424.0/17
Left In: -0.077+/-0.018 χ²/NDF:5741.2/10
+ sign -0.393+/-0.016 χ²/NDF: 8130.3/27
All: -0.310+/-0.010 χ²/NDF: 16577.5/56
- sign -0.245+/-0.014 χ²/NDF: 8397.4/28



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.047+/-0.001 χ^2/NDF:1871.4/11

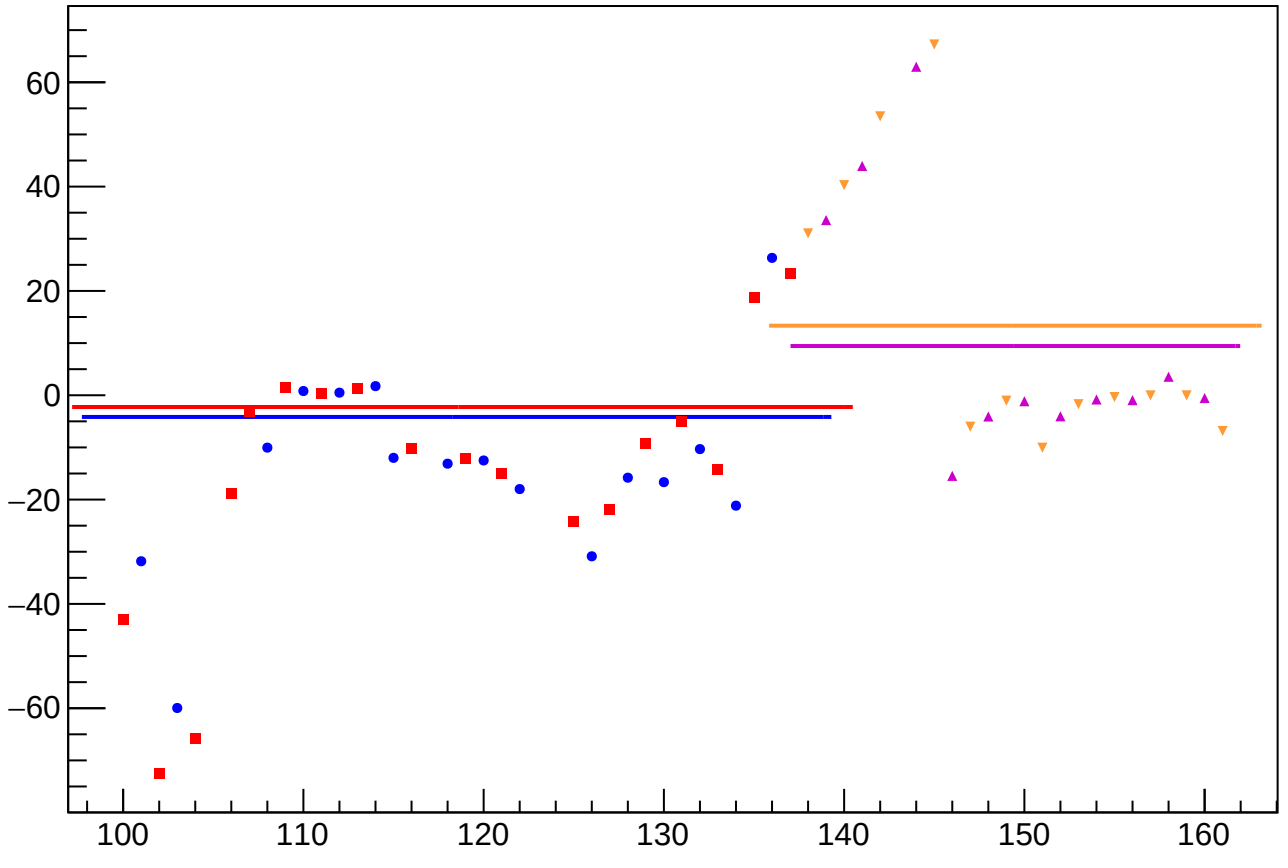
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.037+/-0.001 χ^2/NDF:2839.3/10

+ sign -0.061+/-0.001 χ^2/NDF: 14352.6/27

All: -0.050+/-0.000 χ^2/NDF: 32164.5/56

- sign -0.042+/-0.001 χ^2/NDF: 17457.9/28



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 13.338+/-0.075 χ^2/NDF:88859.9/11

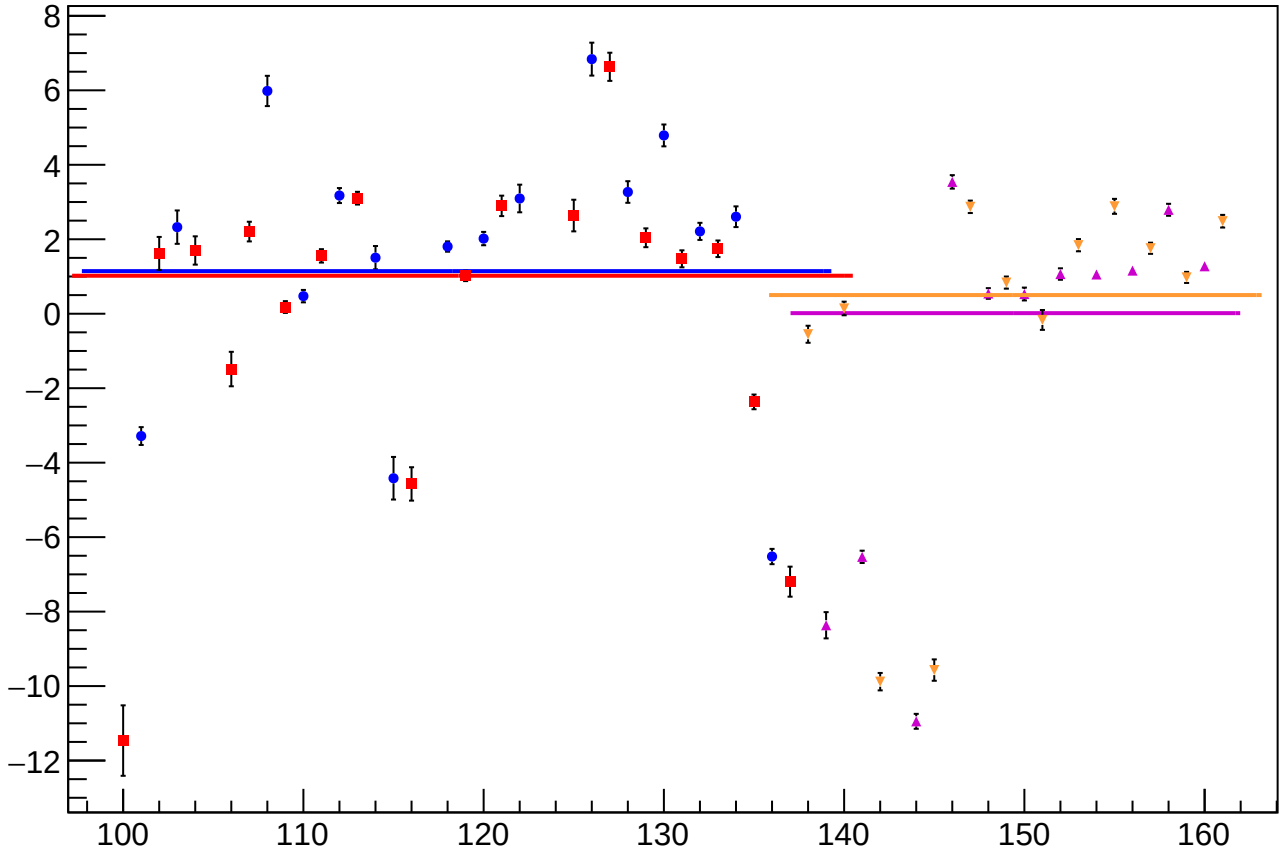
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 9.438+/-0.064 χ^2/NDF:102686.1/10

+ sign 1.840+/-0.044 χ^2/NDF: 199780.0/27

All: 1.762+/-0.029 χ^2/NDF: 404006.5/56

- sign 1.707+/-0.037 χ^2/NDF: 204221.3/28



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.501+/-0.053 χ^2/NDF:3855.9/11

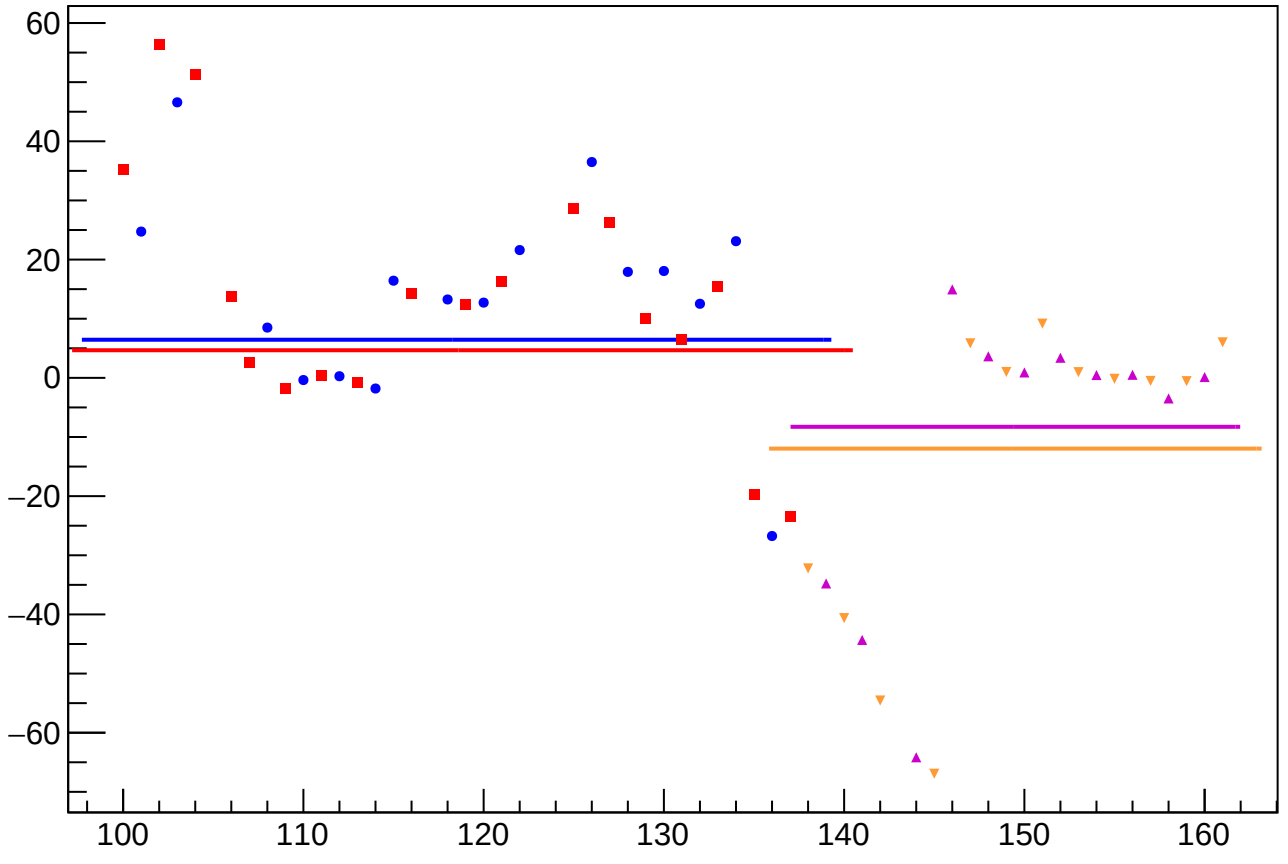
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.016+/-0.044 χ^2/NDF:6174.7/10

+ sign 0.784+/-0.040 χ^2/NDF: 6515.3/27

All: 0.564+/-0.026 χ^2/NDF: 14527.9/56

- sign 0.394+/-0.035 χ^2/NDF: 7958.7/28



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -11.961+/-0.073 χ^2/NDF:88680.7/11

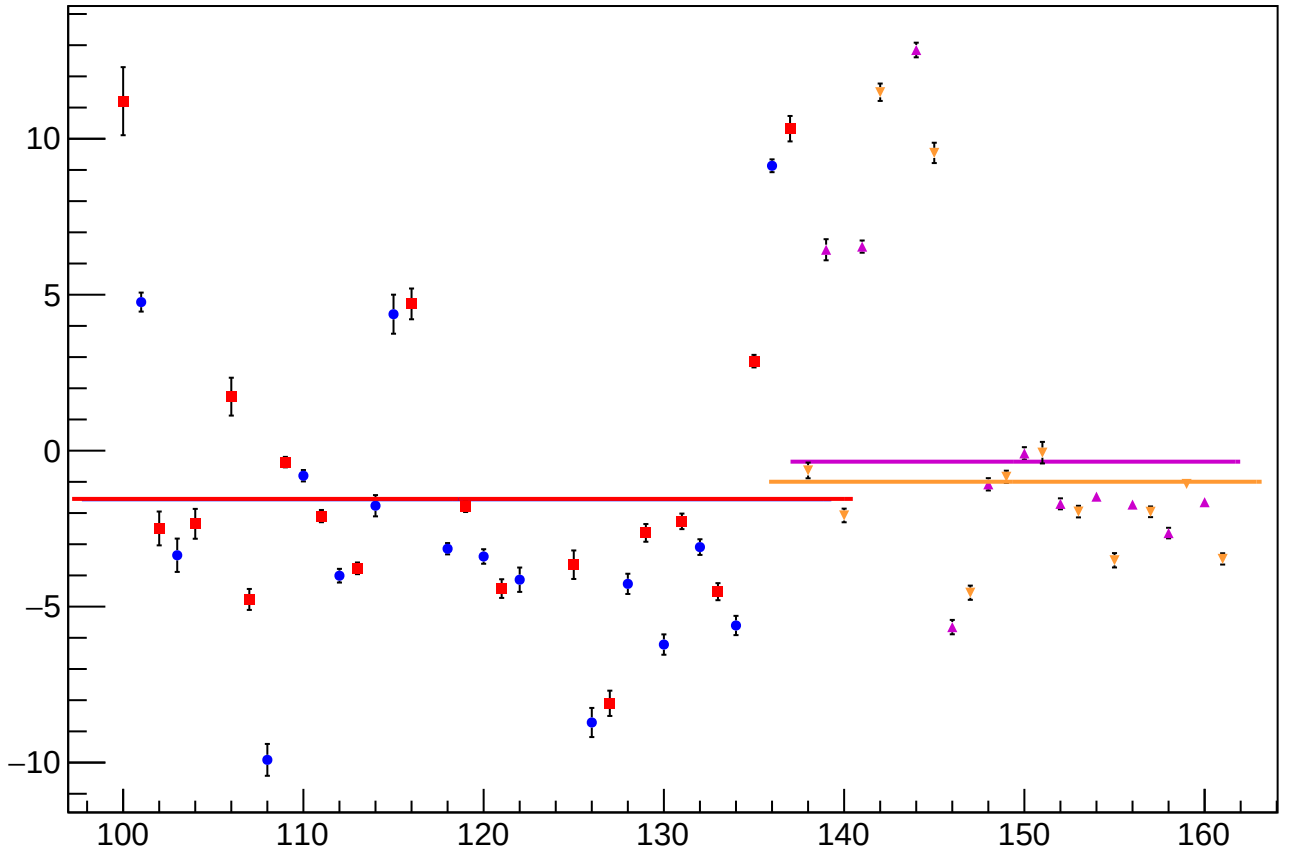
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -8.277+/-0.061 χ^2/NDF:103124.9/10

+ sign -1.731+/-0.048 χ^2/NDF: 195255.4/27

All: -1.642+/-0.032 χ^2/NDF: 396024.0/56

- sign -1.573+/-0.042 χ^2/NDF: 200762.6/28



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -0.996+/-0.061 χ^2/NDF:3694.5/11

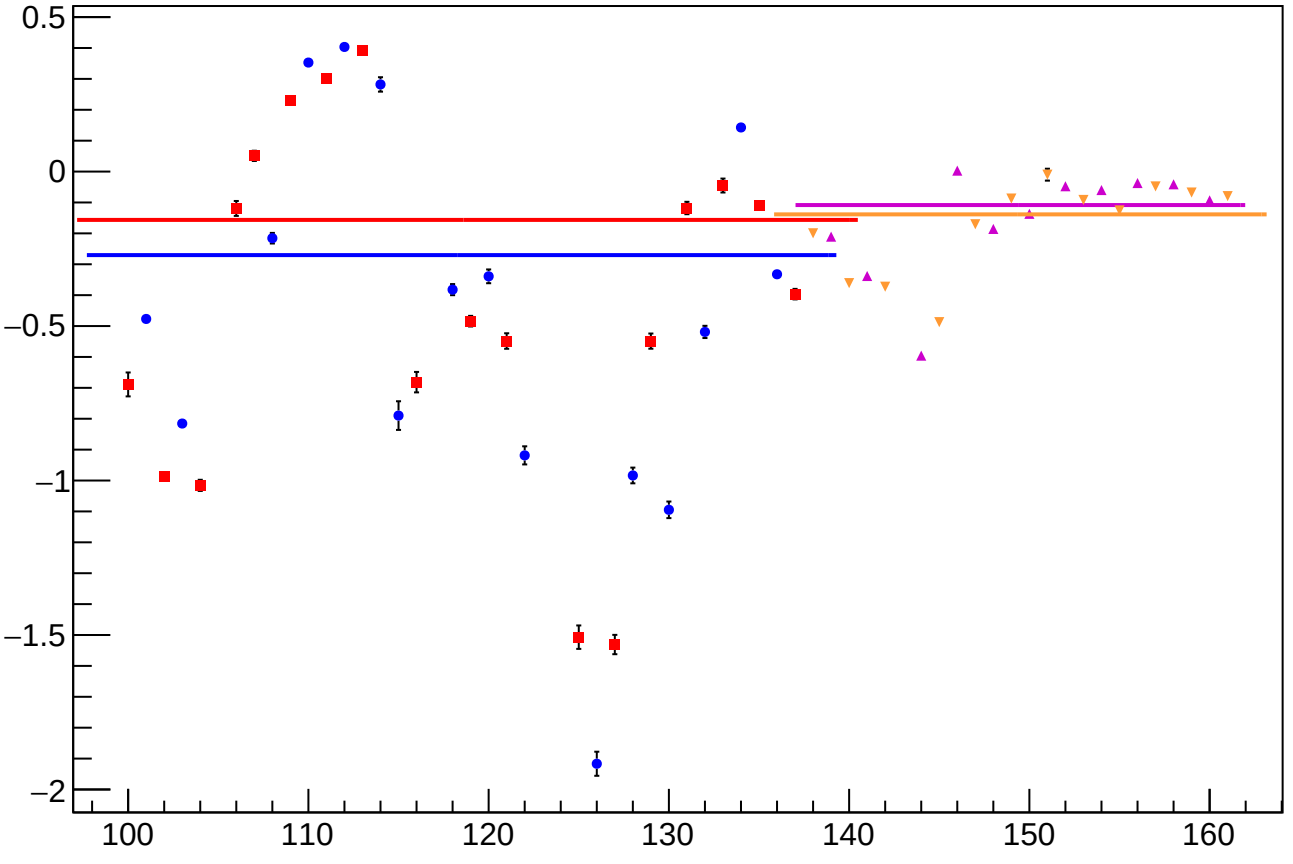
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.353+/-0.051 χ^2/NDF:5889.7/10

+ sign -1.244+/-0.046 χ^2/NDF: 8274.5/27

All: -1.000+/-0.030 χ^2/NDF: 16894.1/56

- sign -0.814+/-0.040 χ^2/NDF: 8570.0/28



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.139+/-0.003 χ^2/NDF:1919.6/11

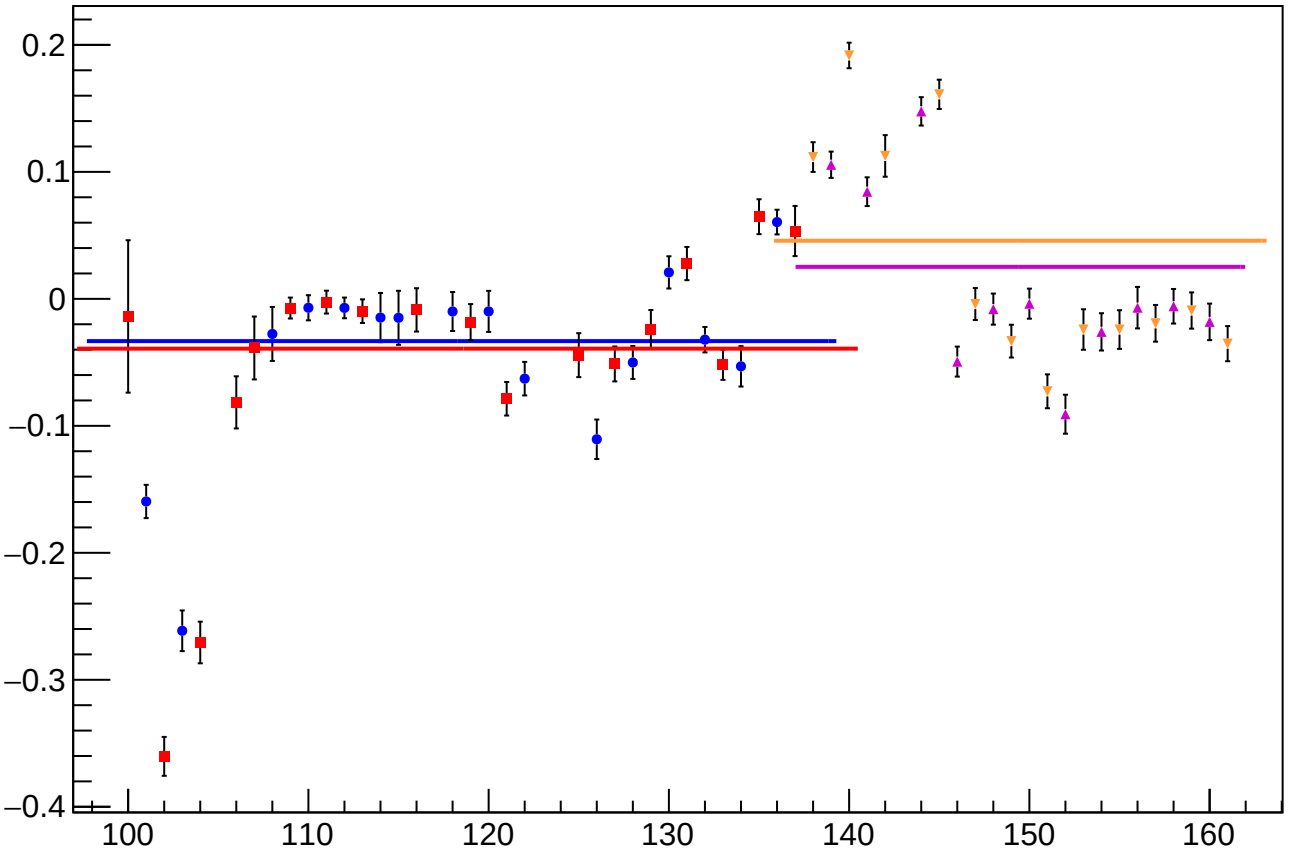
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.108+/-0.002 χ^2/NDF:2915.5/10

+ sign -0.177+/-0.002 χ^2/NDF: 14733.3/27

All: -0.144+/-0.001 χ^2/NDF: 33179.0/56

- sign -0.120+/-0.002 χ^2/NDF: 18066.7/28



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.046+/-0.004 χ^2/NDF:600.7/11

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

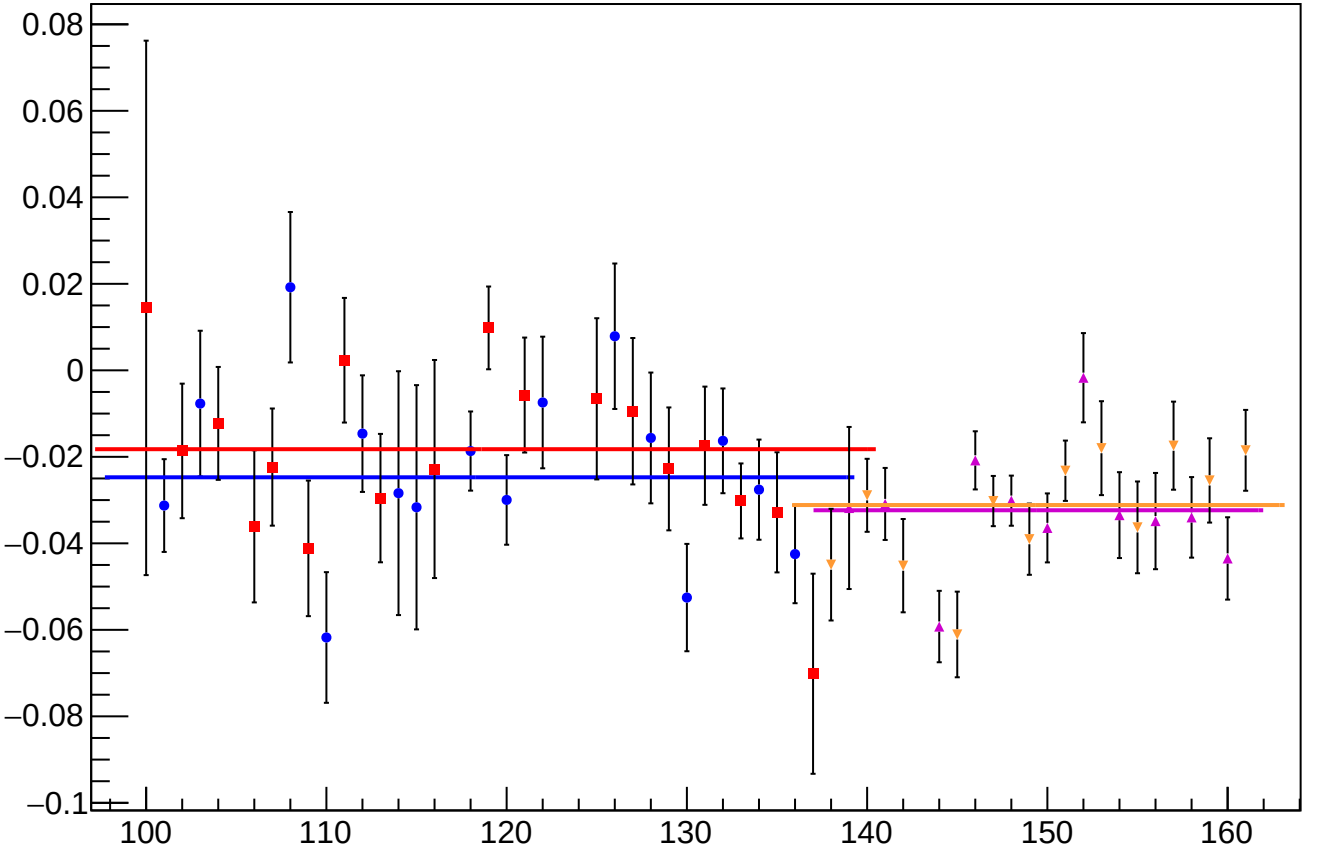
Left In: 0.025+/-0.004 χ^2/NDF:348.5/10

+ sign -0.000+/-0.002 χ^2/NDF: 1317.1/27

All: -0.006+/-0.002 χ^2/NDF: 2654.9/56

- sign -0.013+/-0.002 χ^2/NDF: 1324.6/28

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.031+/-0.003 χ^2/NDF:20.0/11

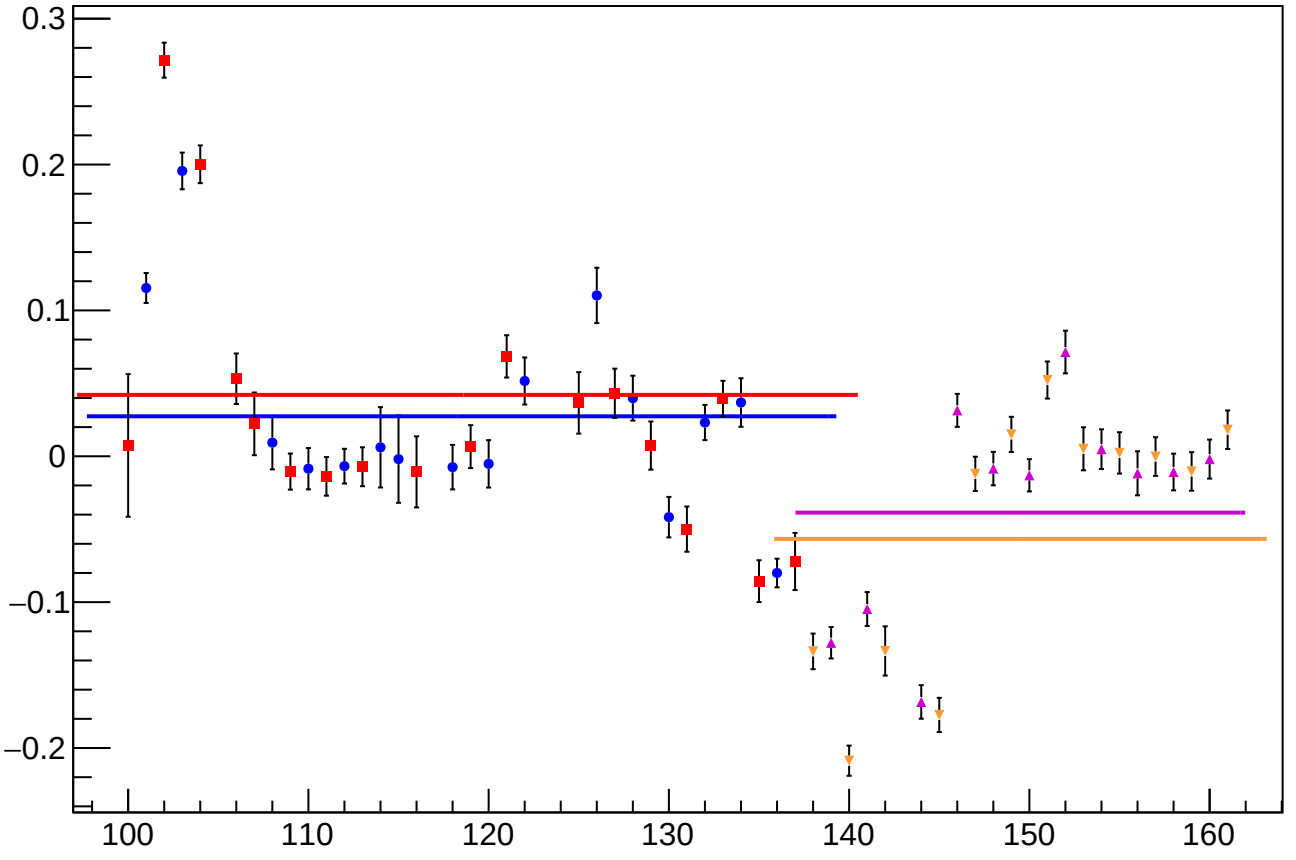
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.032+/-0.003 χ^2/NDF:24.3/10

+ sign -0.029+/-0.002 χ^2/NDF: 50.8/27

All: -0.028+/-0.001 χ^2/NDF: 111.1/56

- sign -0.027+/-0.002 χ^2/NDF: 60.0/28



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.057+/-0.004 χ^2/NDF:602.0/11

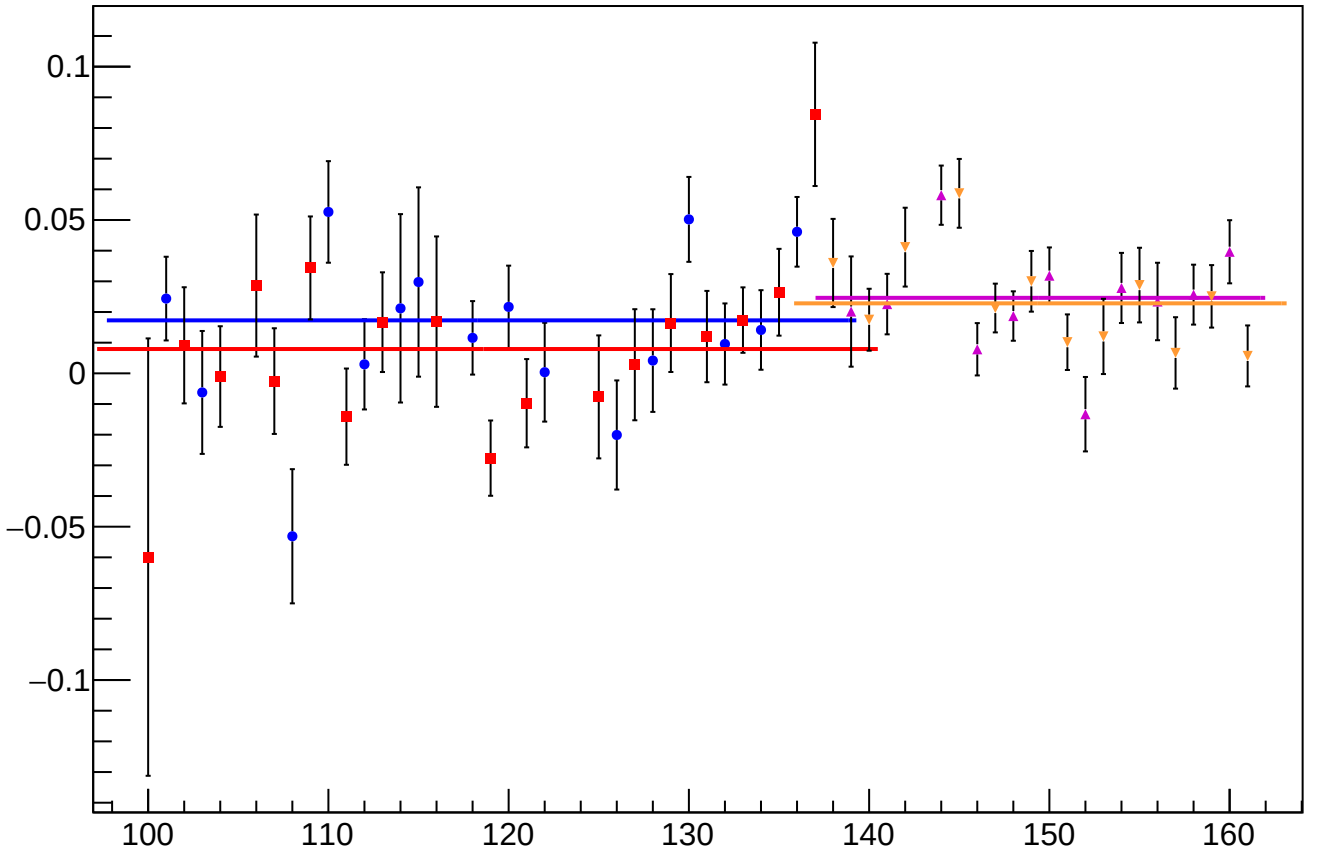
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.039+/-0.004 χ^2/NDF:361.3/10

+ sign -0.013+/-0.003 χ^2/NDF: 1316.3/27

All: -0.006+/-0.002 χ^2/NDF: 2672.1/56

- sign 0.002+/-0.003 χ^2/NDF: 1337.3/28



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.023+/-0.003 χ^2/NDF:21.9/11

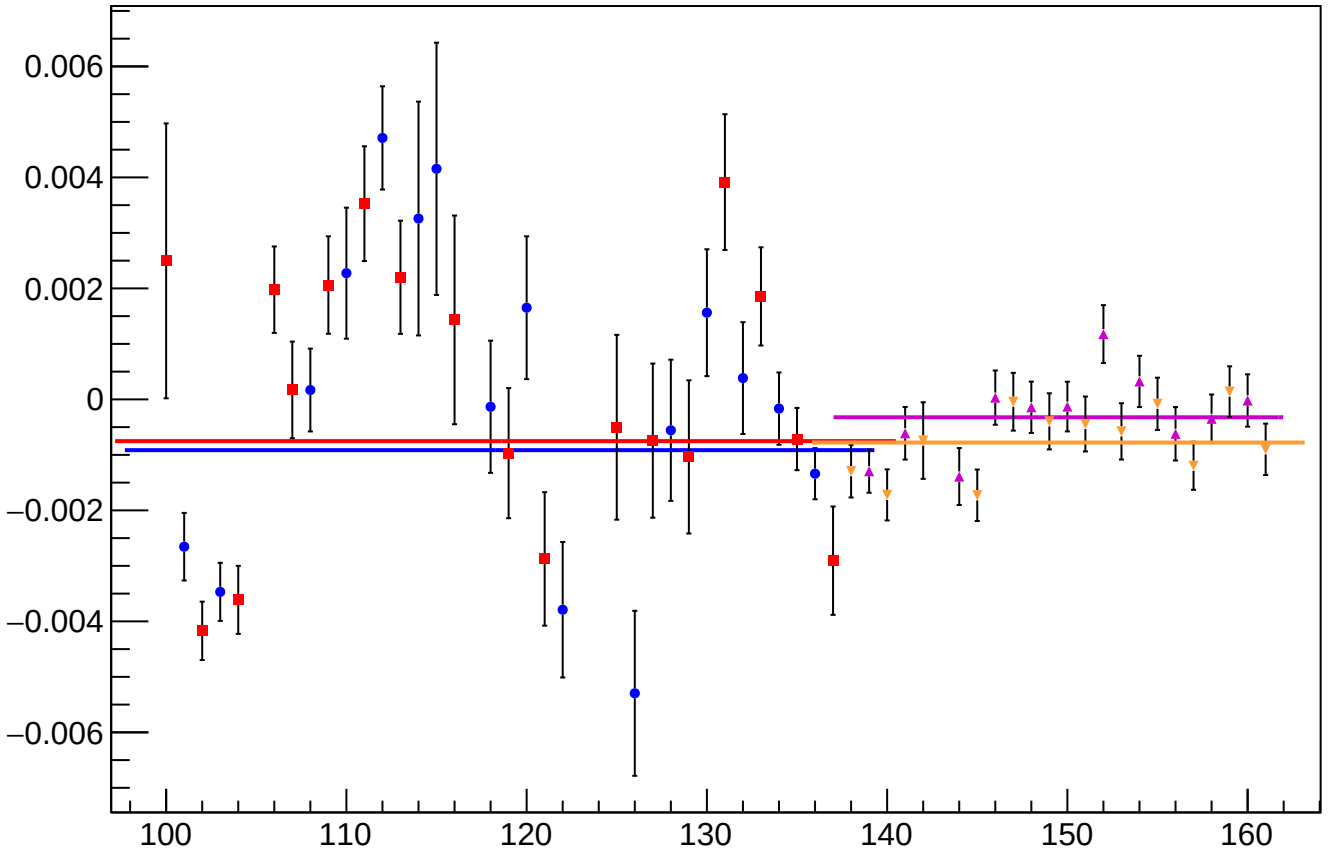
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.025+/-0.003 χ^2/NDF:29.1/10

+ sign 0.021+/-0.002 χ^2/NDF: 59.8/27

All: 0.019+/-0.002 χ^2/NDF: 132.1/56

- sign 0.018+/-0.002 χ^2/NDF: 71.8/28



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:20.0/11

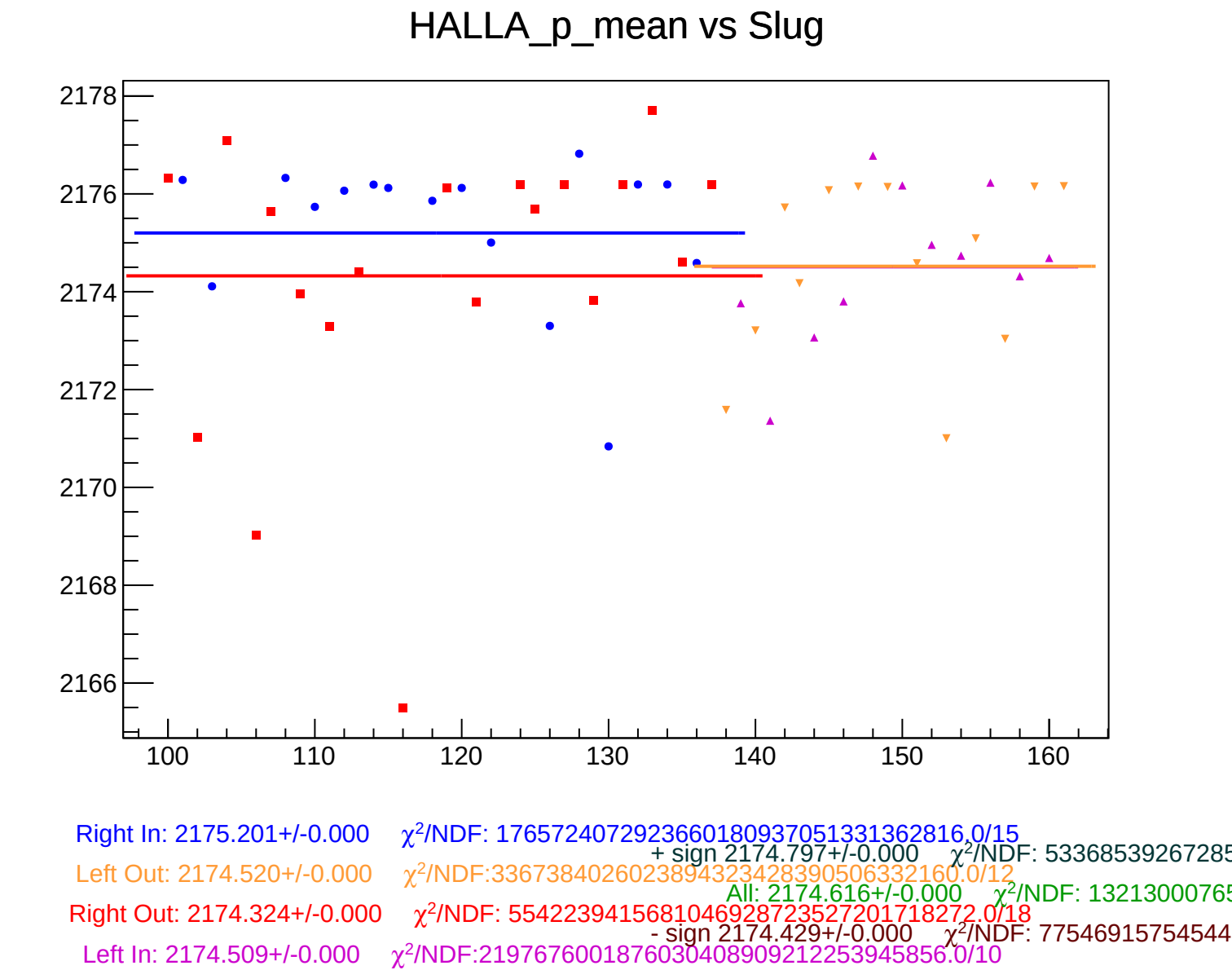
Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

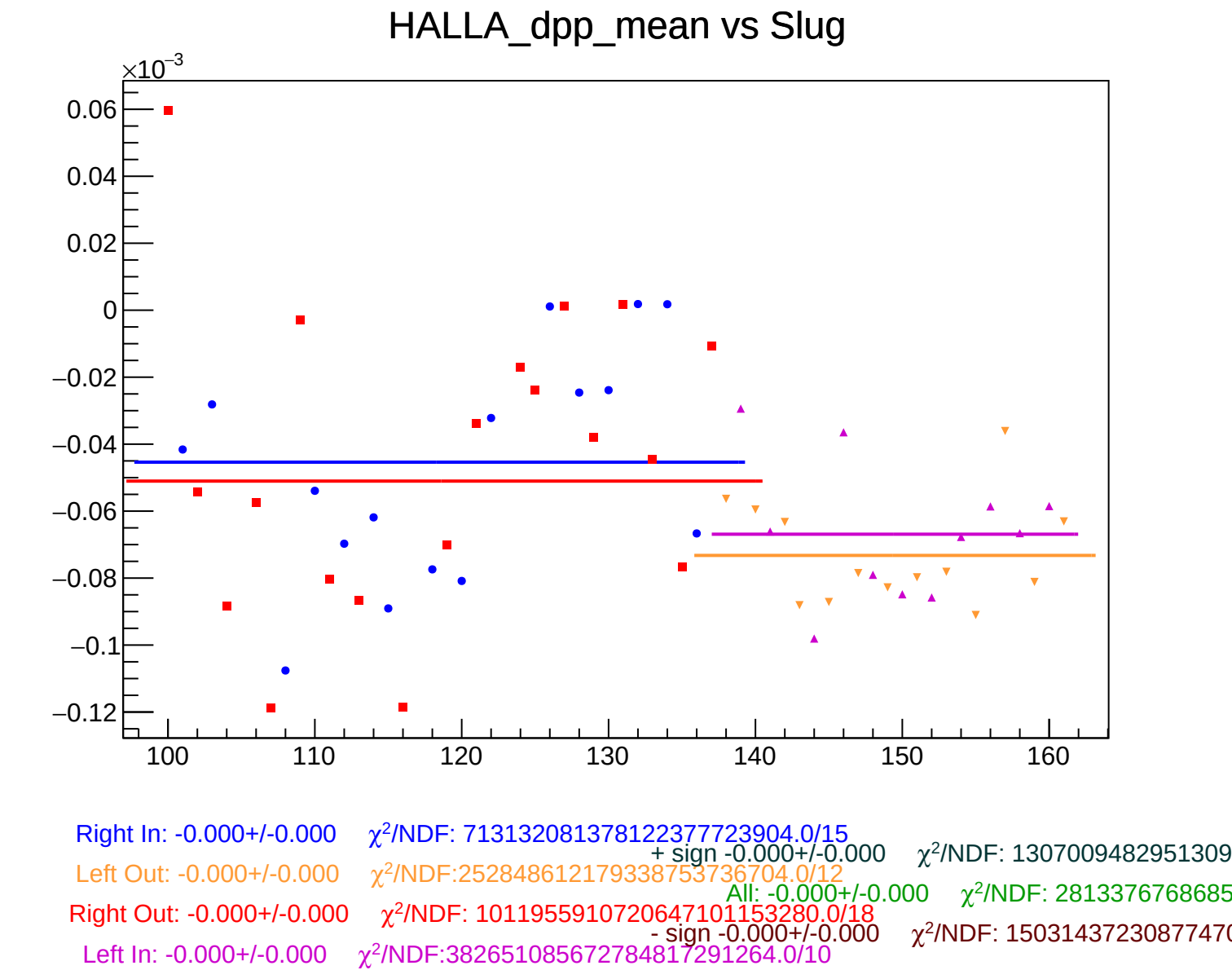
Left In: -0.000+/-0.000 χ^2/NDF:22.8/10

+ sign -0.001+/-0.000 χ^2/NDF: 134.3/27

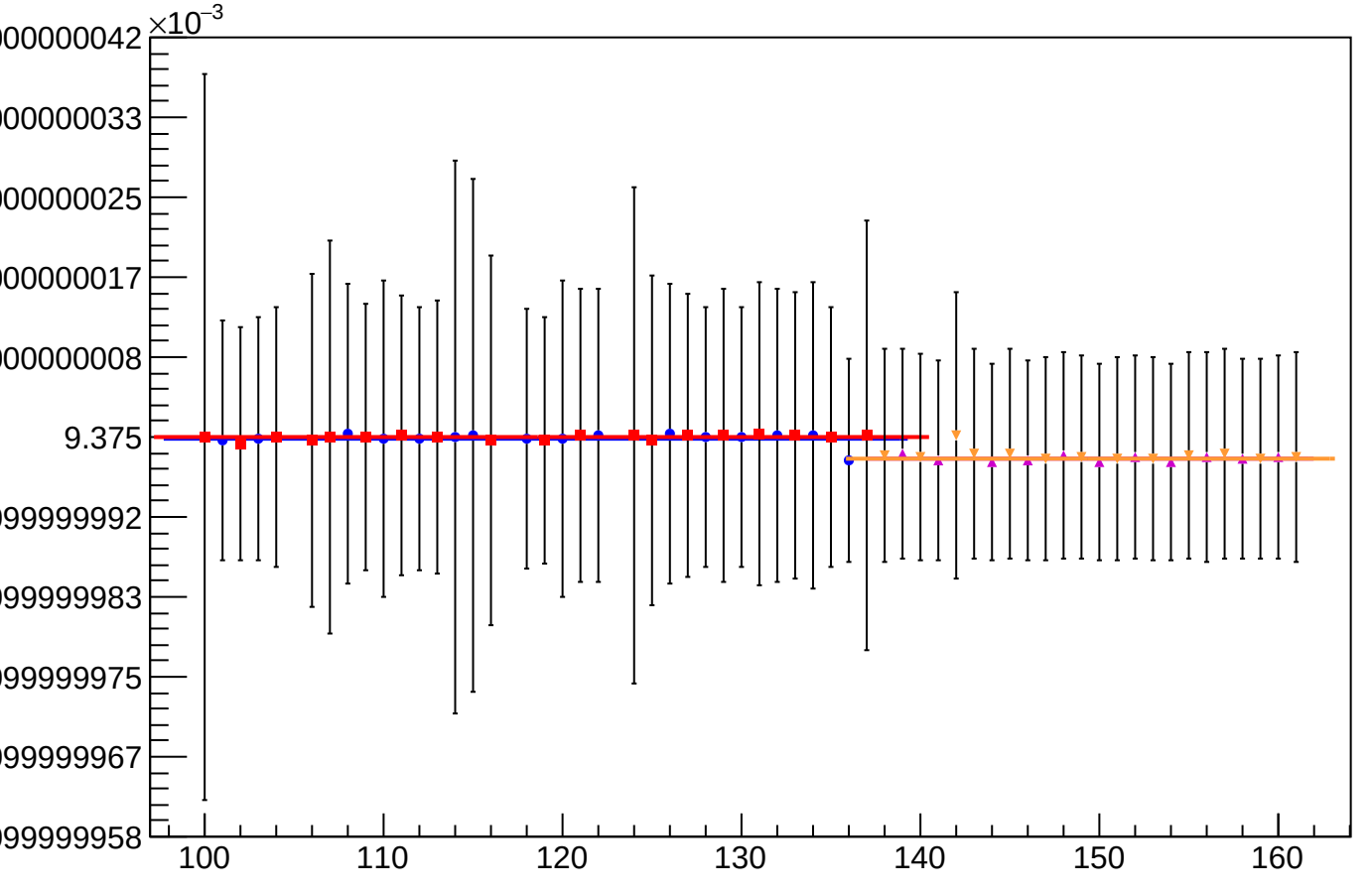
All: -0.001+/-0.000 χ^2/NDF: 312.5/56

- sign -0.000+/-0.000 χ^2/NDF: 173.2/28


HALLA_p_mean vs Slug
2178
2176
2174
2172
2170
2168
2166
100
110
120
130
140
150
160
Right In: 2175.201+/-0.000 χ²/NDF: 176572407292366018093705133136281 6.0/15
+ sign 2174.797+/-0.000 χ²/NDF: 53368539267285
Left Out: 2174.520+/-0.000 χ²/NDF:336738402602389432342839050633216 0.0/12
All: 2174.616+/-0.000 χ²/NDF: 1321300076
Right Out: 2174.324+/-0.000 χ²/NDF: 554223941568104692872352720171827 2.0/18
- sign 2174.429+/-0.000 χ²/NDF: 77546915754544
Left In: 2174.509+/-0.000 χ²/NDF:219767600187603040890921225394585 6.0/10


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
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
+ sign -0.000+/-0.000 χ²/NDF: 1307009482951309
Left Out: -0.000+/-0.000 χ²/NDF:2528486121793387537367040.0/12
All: -0.000+/-0.000 χ²/NDF: 2813376768685
Right Out: -0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
- sign -0.000+/-0.000 χ²/NDF: 1503143723087747
Left In: -0.000+/-0.000 χ²/NDF:3826510856727848172912640.0/10

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/12

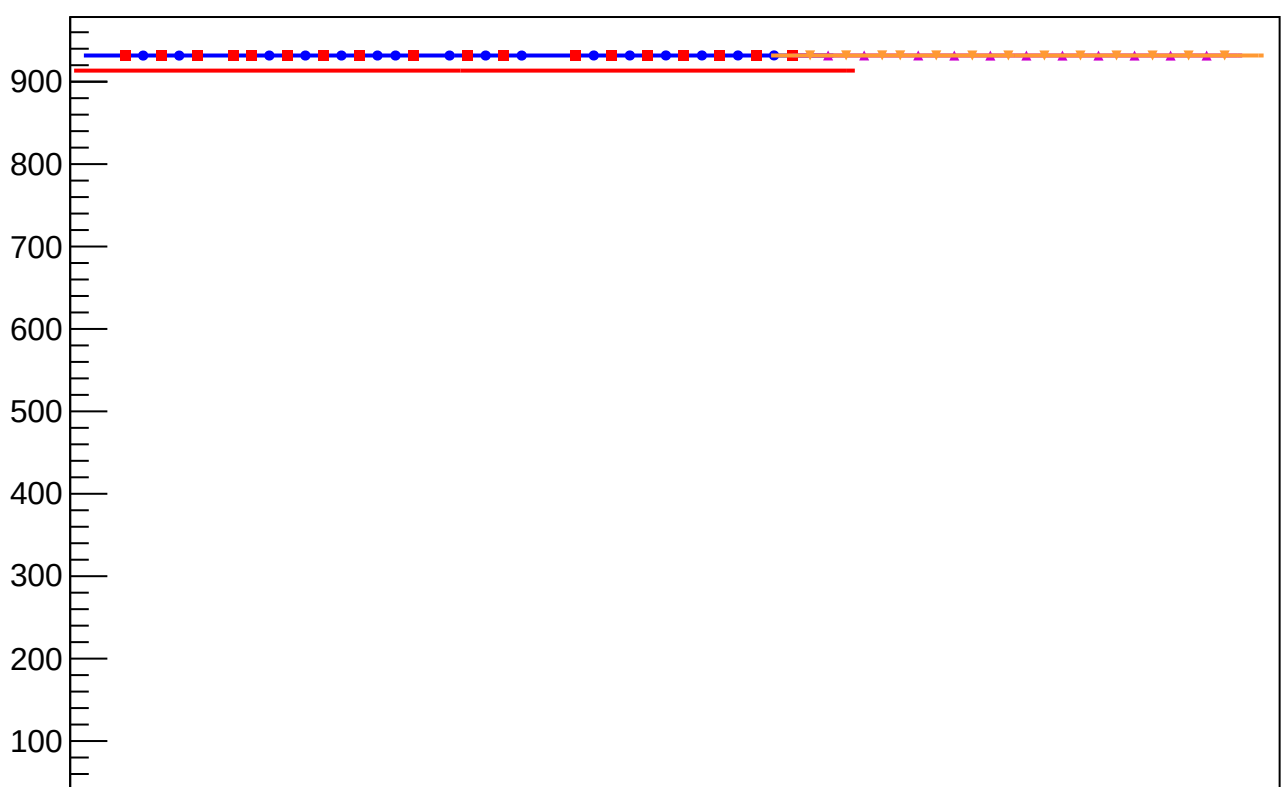
Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/10

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/28

All: 0.009+/-0.000 χ^2/NDF: 0.5/58

- sign 0.009+/-0.000 χ^2/NDF: 0.2/29



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.778+/-0.000 χ^2/NDF: 701201305698285

Left Out: 931.785+/-0.000 χ^2/NDF:414425085529173604821416647065 6.0/12

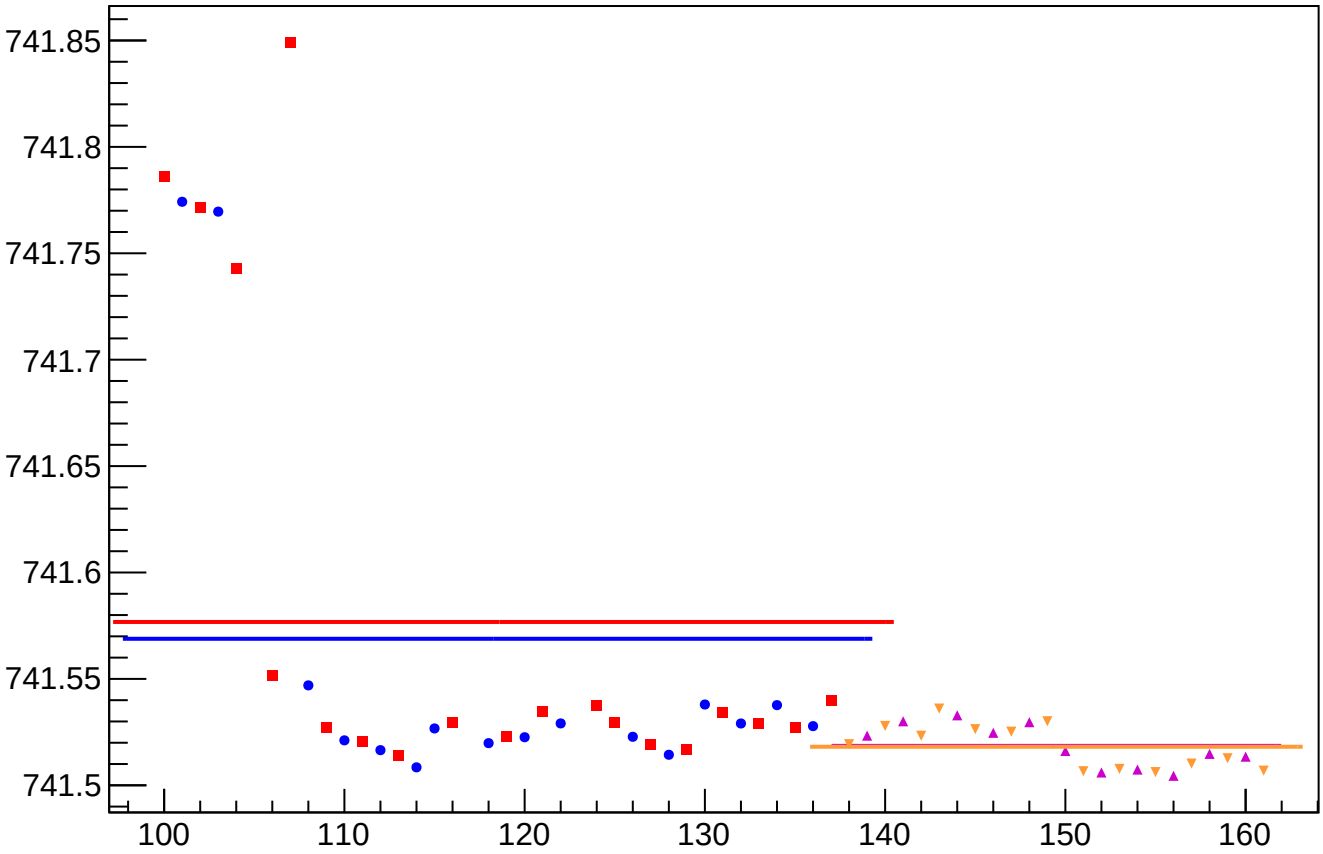
All: 927.868+/-0.000 χ^2/NDF: 12967572328

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 923.810+/-0.000 χ^2/NDF: 129107880075719

Left In: 931.773+/-0.000 χ^2/NDF:3626870038401192870800152068096.0/10

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.518+/-0.000 χ^2/NDF:1116559813156762560500061962 24.0/12

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

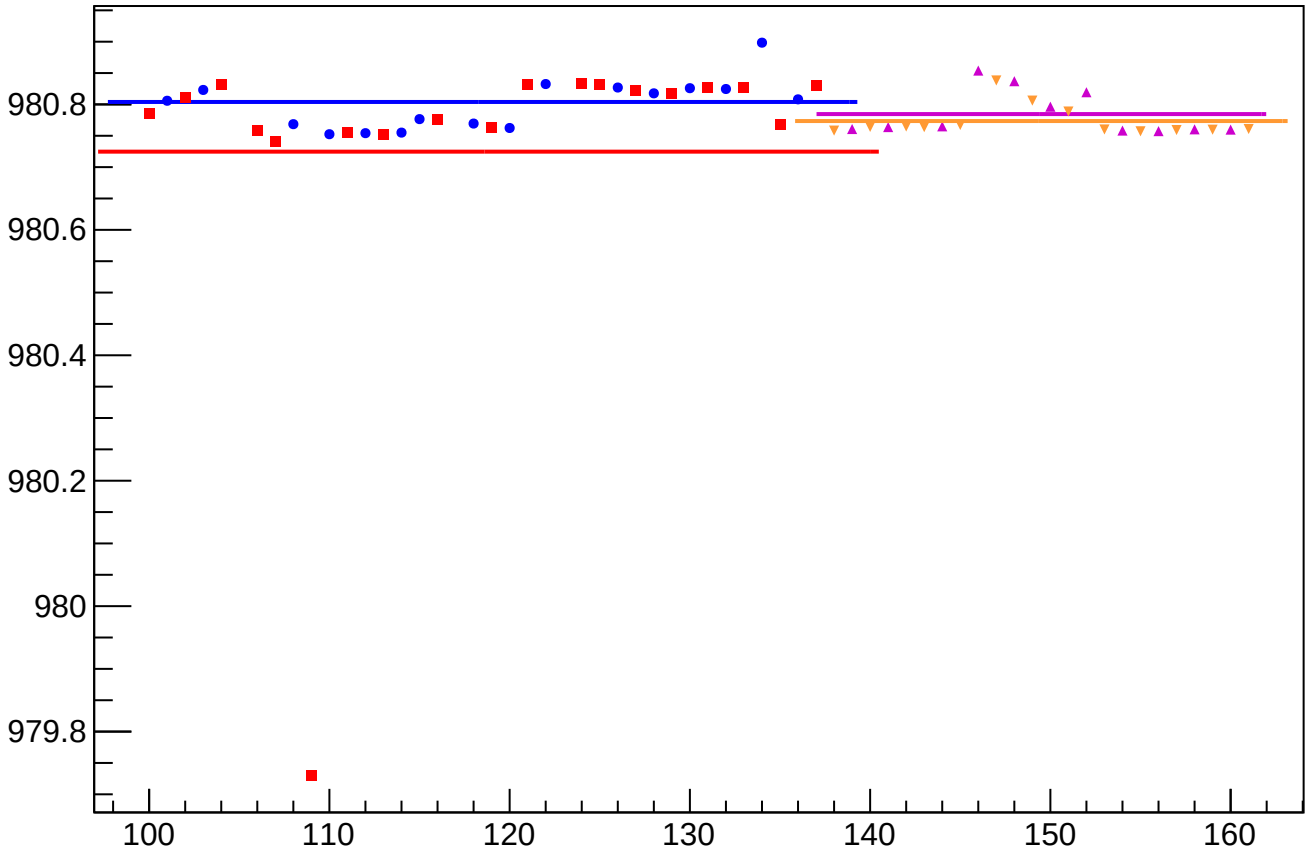
Left In: 741.519+/-0.000 χ^2/NDF:947795097279608587356859269 12.0/10

+ sign 741.539+/-0.000 χ^2/NDF: 76761974790967

All: 741.541+/-0.000 χ^2/NDF: 1694925680

- sign 741.544+/-0.000 χ^2/NDF: 925003850584826

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.773+/-0.000 χ^2/NDF:611860689247900939238280003584.0/12

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

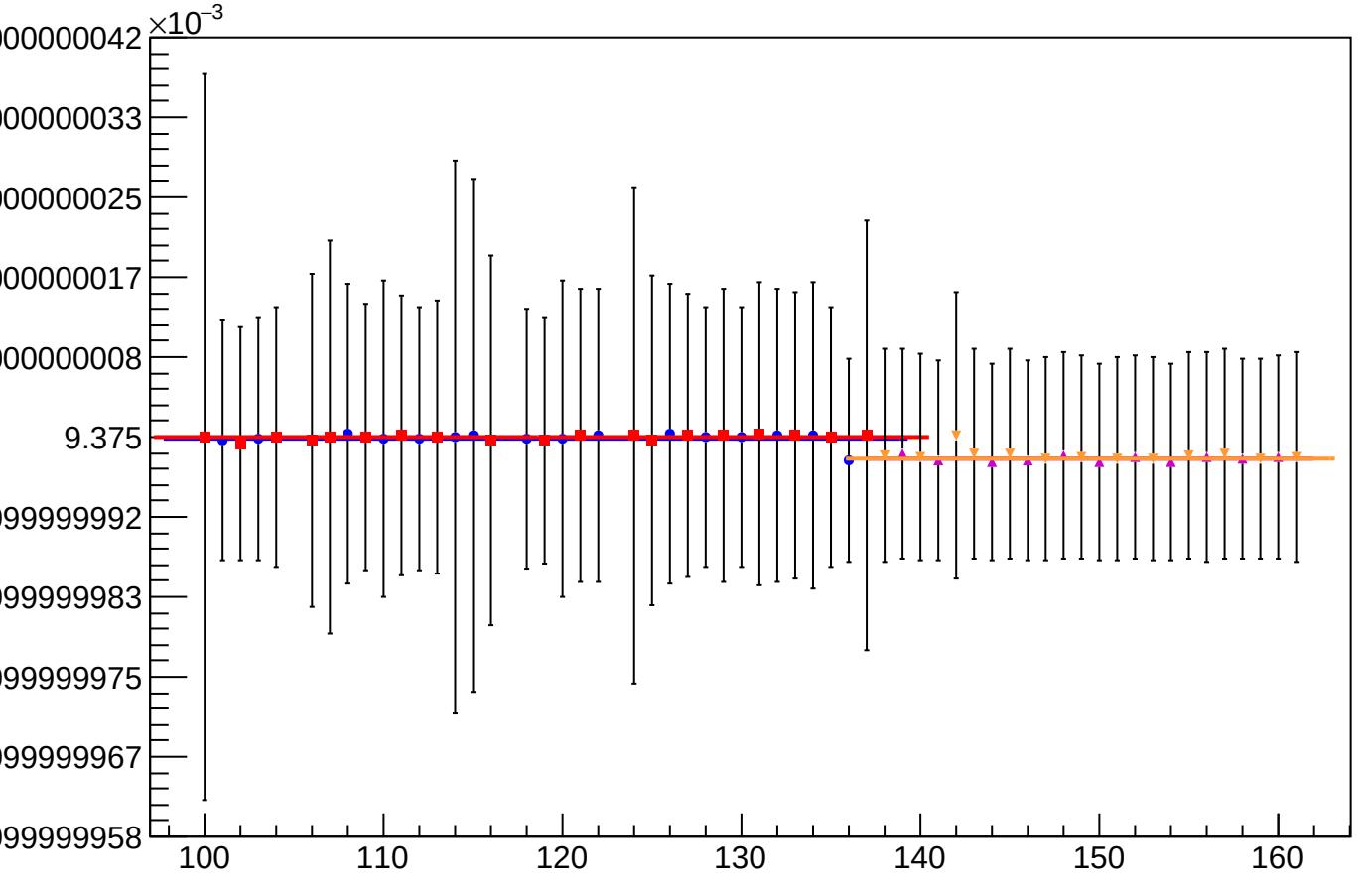
Left In: 980.785+/-0.000 χ^2/NDF:11562692263969052418763401461760.0/10

+ sign 980.786+/-0.000 χ^2/NDF: 195202701482511

All: 980.772+/-0.000 χ^2/NDF: 61363233977

- sign 980.759+/-0.000 χ^2/NDF: 587451817347764

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/12

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

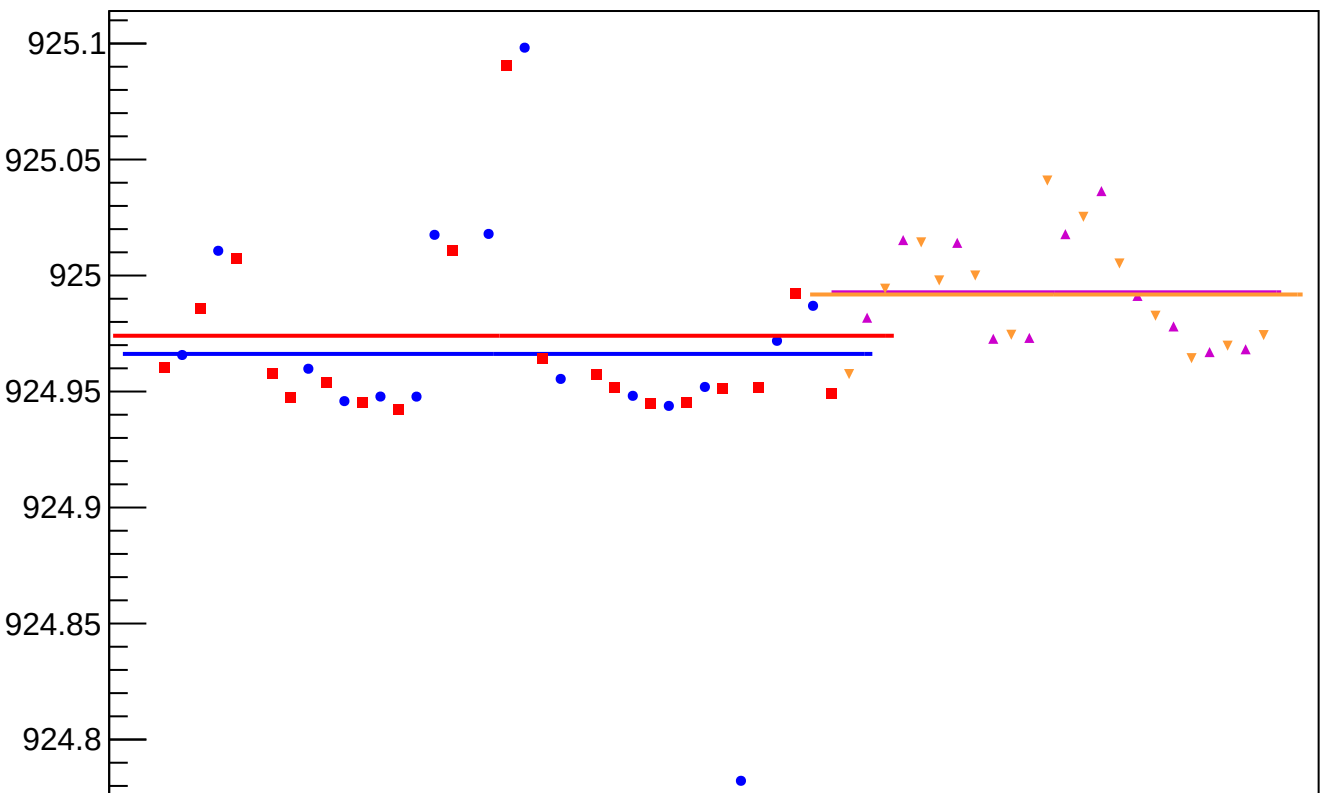
Left In: 0.009+/-0.000 χ^2/NDF:0.0/10

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/28

All: 0.009+/-0.000 χ^2/NDF: 0.5/58

- sign 0.009+/-0.000 χ^2/NDF: 0.2/29

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.992+/-0.000 χ^2/NDF:624252938821048145924010803200.0/12

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

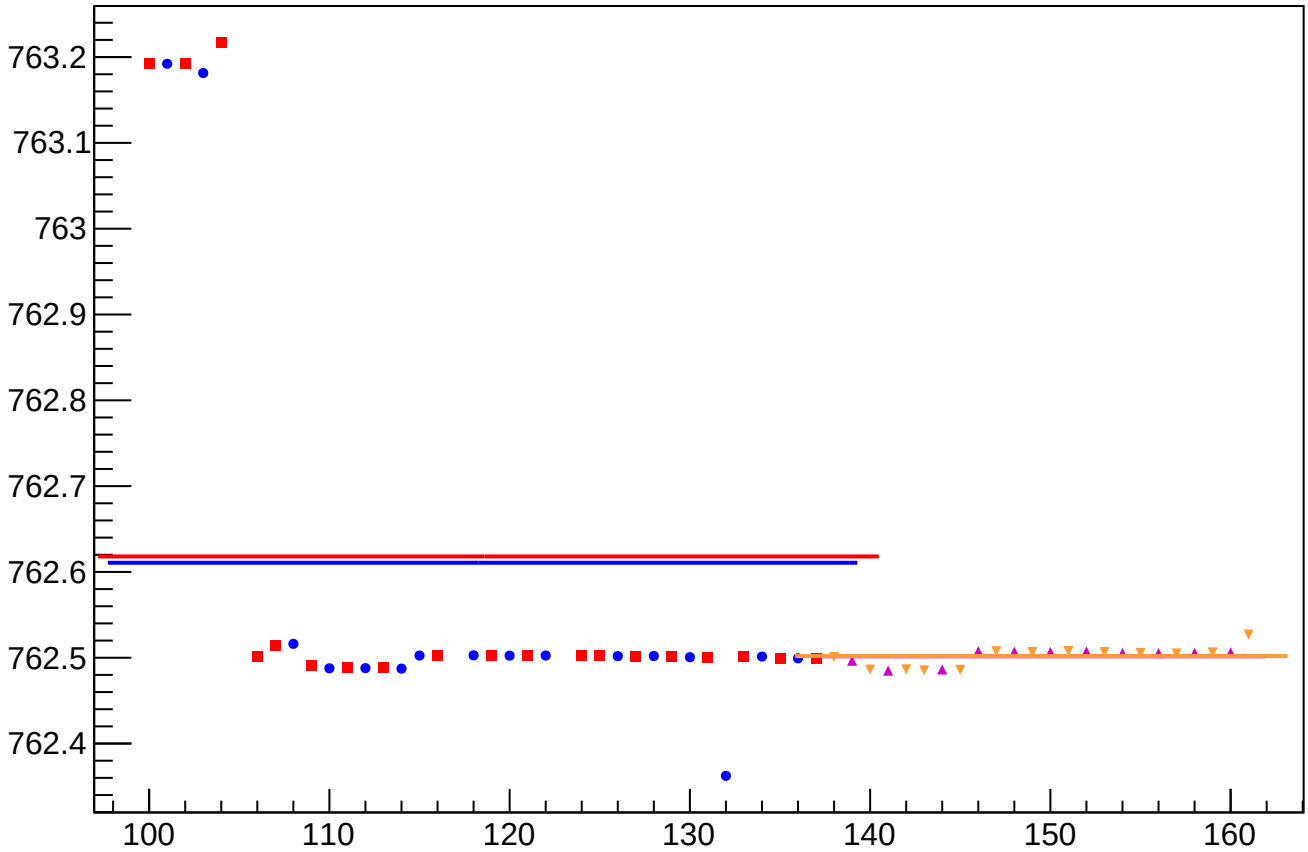
Left In: 924.993+/-0.000 χ^2/NDF:532373844786563881516299976704.0/10

+ sign 924.981+/-0.000 χ^2/NDF: 345706917184178

All: 924.983+/-0.000 χ^2/NDF: 539198782804

- sign 924.985+/-0.000 χ^2/NDF: 192564548270254

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.502+/-0.000 χ^2/NDF:144193856708519893197387726848.0/12

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

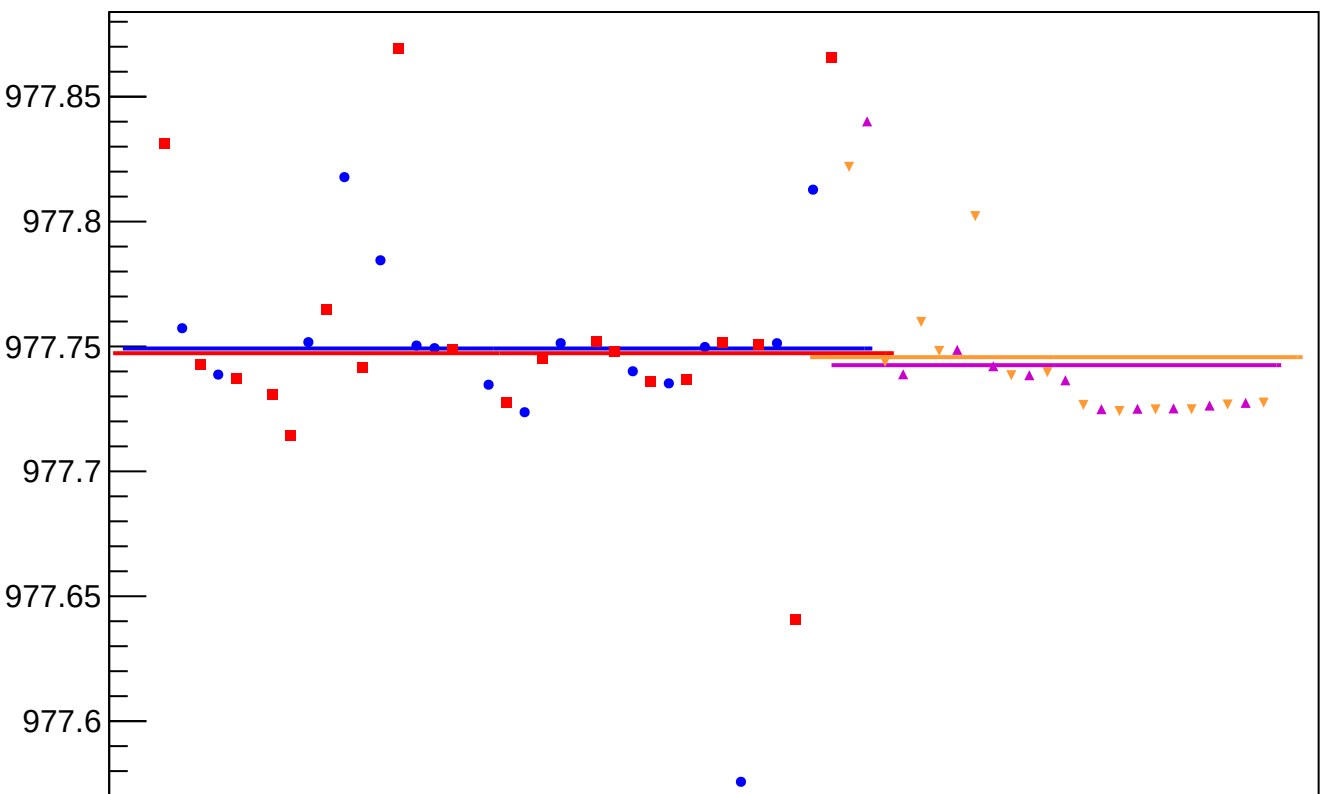
Left In: 762.502+/-0.000 χ^2/NDF:68004402463480746583741431808.0/10

+ sign 762.546+/-0.000 χ^2/NDF: 575054119081468

All: 762.549+/-0.000 χ^2/NDF: 116582065483

- sign 762.552+/-0.000 χ^2/NDF: 590436571693647

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.746+/-0.000 χ^2/NDF:964113558080841267488128761856.0/12

Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

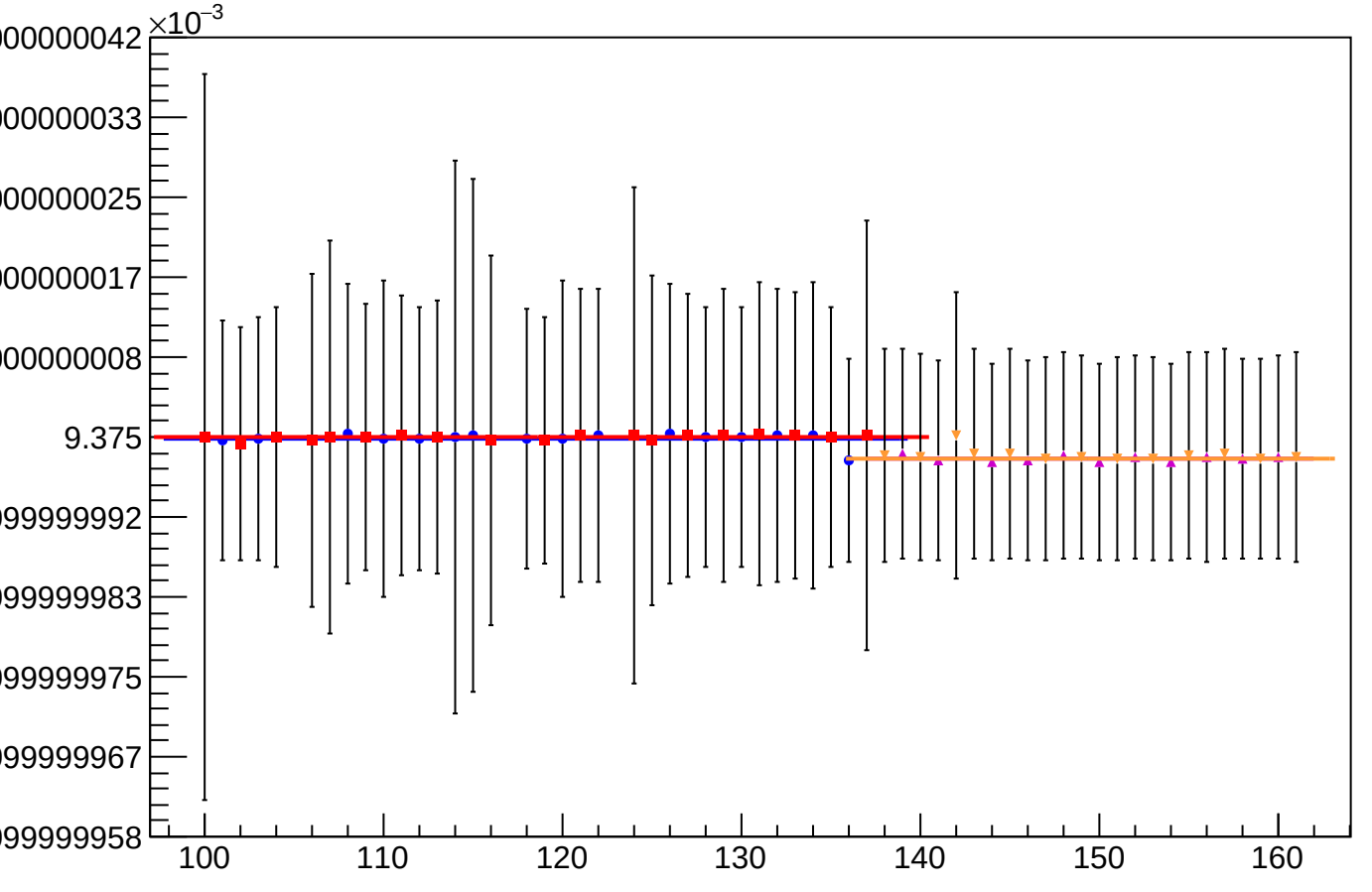
Left In: 977.743+/-0.000 χ^2/NDF:93607488009007622835555794944O.0/10

+ sign 977.747+/-0.000 χ^2/NDF: 292900727731537

All: 977.746+/-0.000 χ^2/NDF: 566297171098

- sign 977.745+/-0.000 χ^2/NDF: 272821400873717

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/12

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

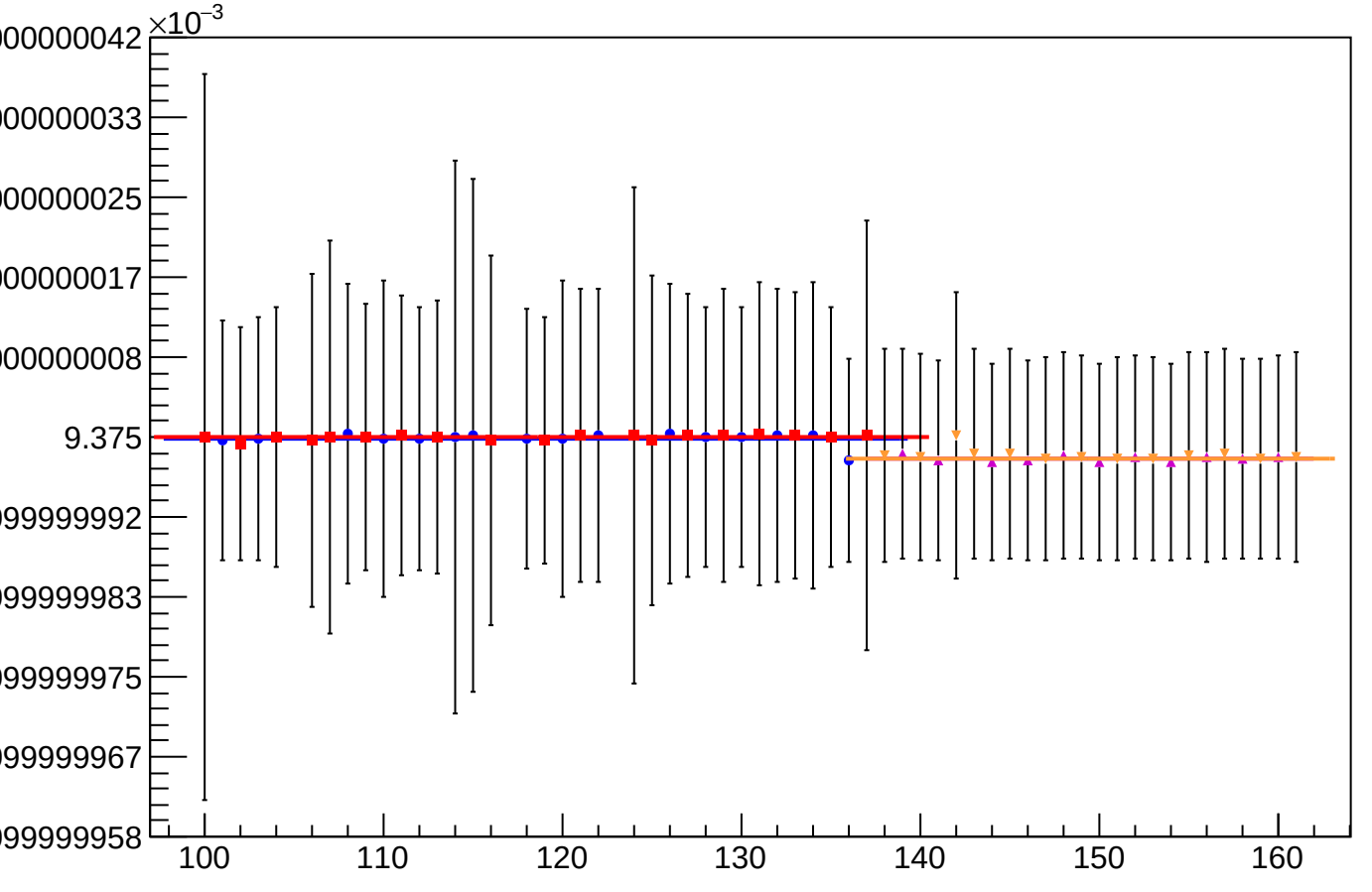
Left In: 0.009+/-0.000 χ^2/NDF:0.0/10

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/28

All: 0.009+/-0.000 χ^2/NDF: 0.5/58

- sign 0.009+/-0.000 χ^2/NDF: 0.2/29

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/12

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

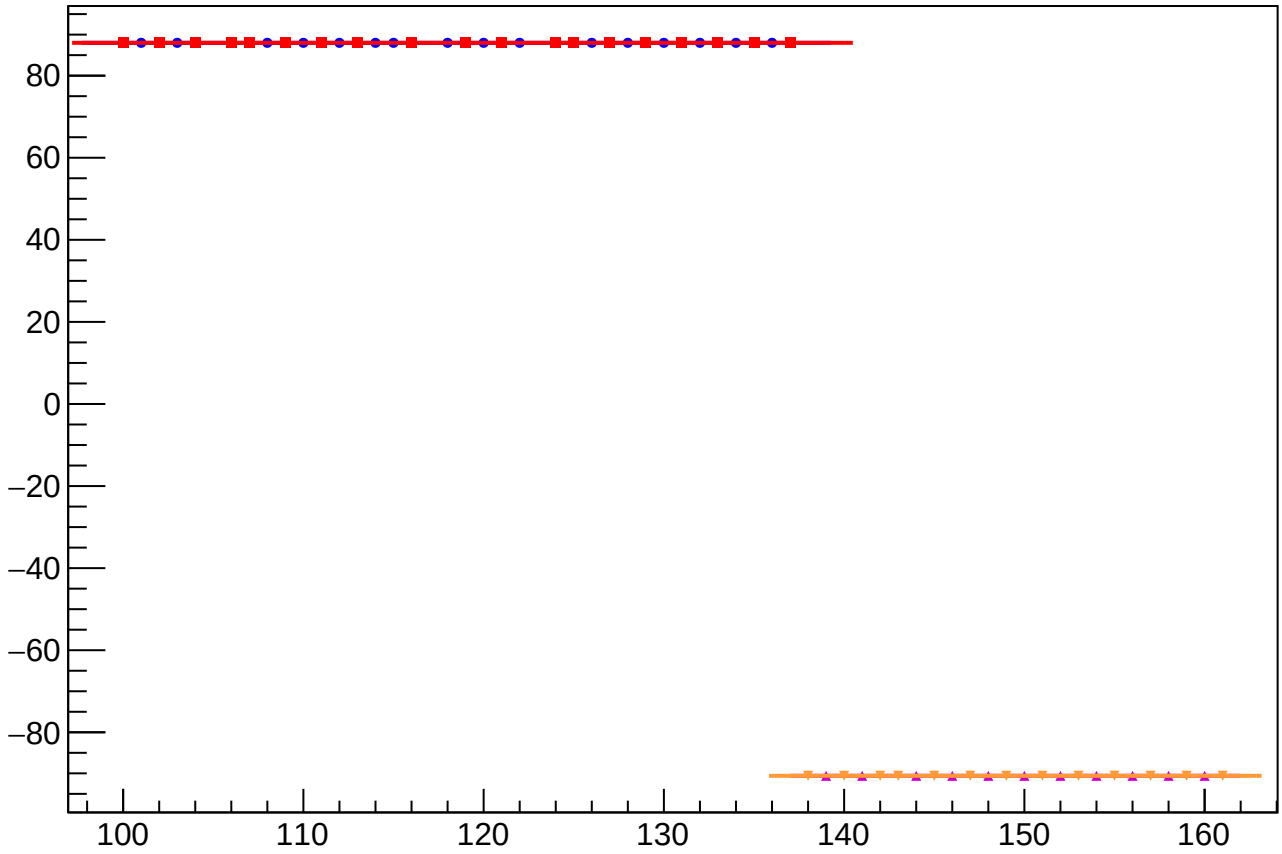
Left In: 0.009+/-0.000 χ^2/NDF:0.0/10

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/28

All: 0.009+/-0.000 χ^2/NDF: 0.5/58

- sign 0.009+/-0.000 χ^2/NDF: 0.2/29

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:3019330.4/12

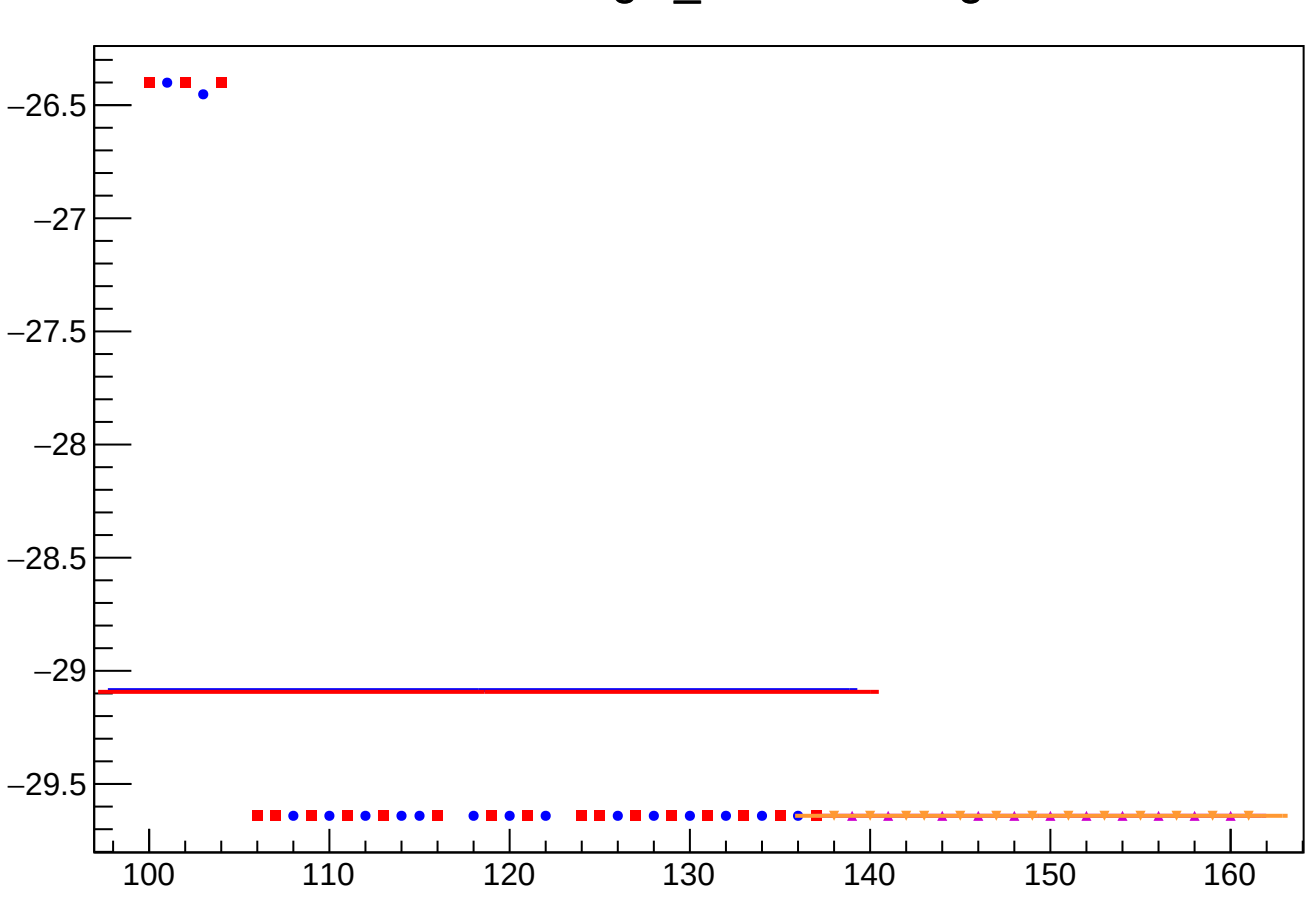
Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: -90.599+/-0.000 χ^2/NDF:661381.0/10

+ sign -17.963+/-0.000 χ^2/NDF: 140235652124917

All: -15.525+/-0.000 χ^2/NDF: 27809029501

- sign -12.995+/-0.000 χ^2/NDF: 137633874196317



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:185464.4/12

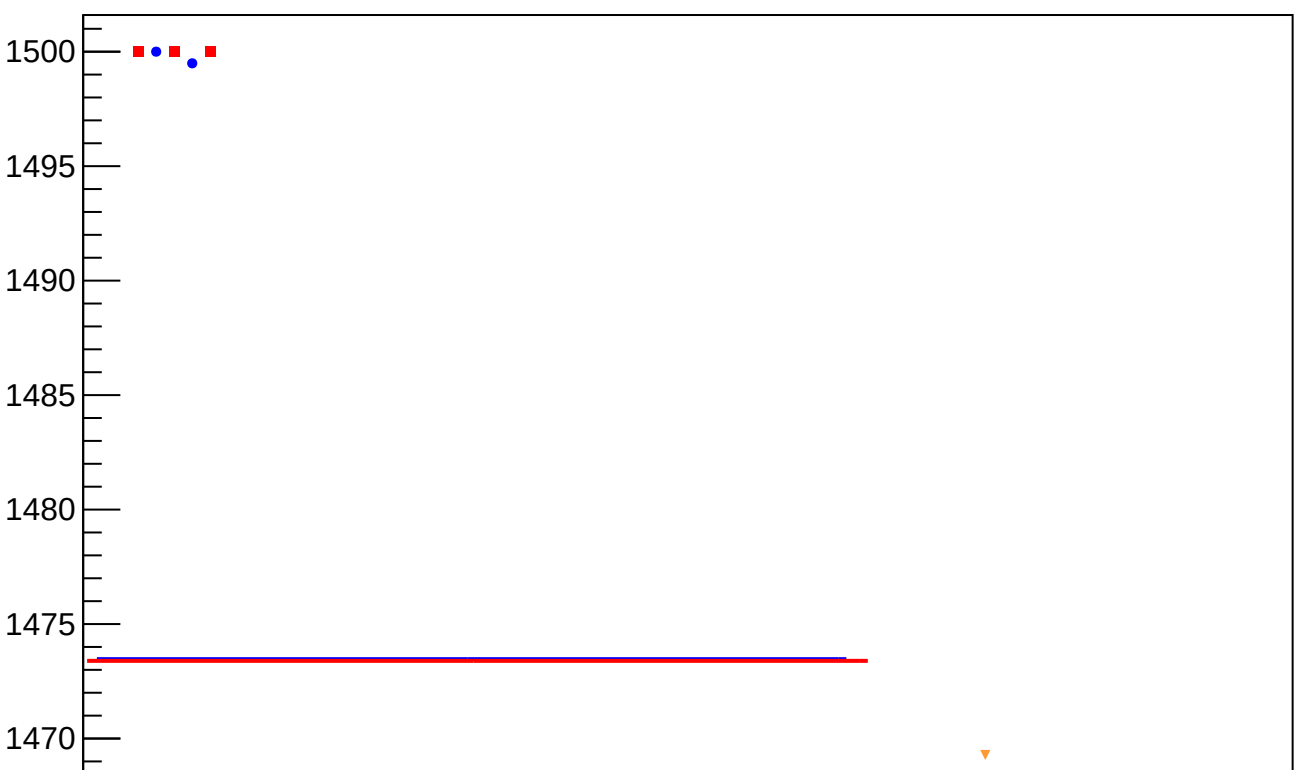
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:44037.4/10

+ sign -29.415+/-0.000 χ^2/NDF: 122993569377450

All: -29.409+/-0.000 χ^2/NDF: 248477662029

- sign -29.403+/-0.000 χ^2/NDF: 125470830341685



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

+ sign 1470.280+/-0.000 χ^2/NDF: 1197186164193

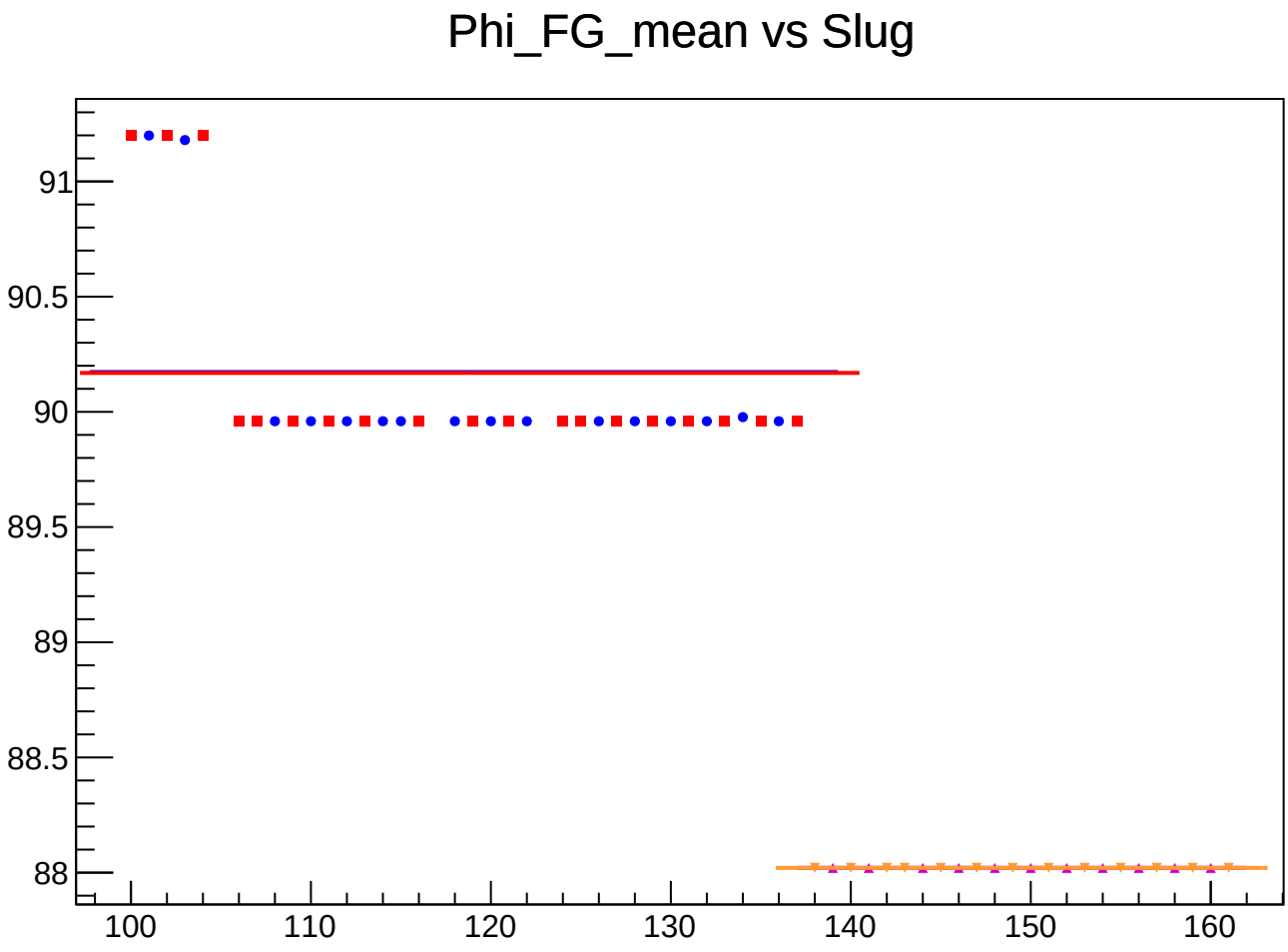
Left Out: 1468.095+/-0.000 χ^2/NDF:1349630263781062257490705472552 96.0/12

All: 1470.308+/-0.000 χ^2/NDF: 242235101

Right Out: 1473.393+/-0.000 χ^2/NDF: 1099094997334010787610678433006223 36.0/18

- sign 1470.337+/-0.000 χ^2/NDF: 1225135957554

Left In: 1467.988+/-0.000 χ^2/NDF:9839113793512017298641964236 8.0/10



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2712974.7/12

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

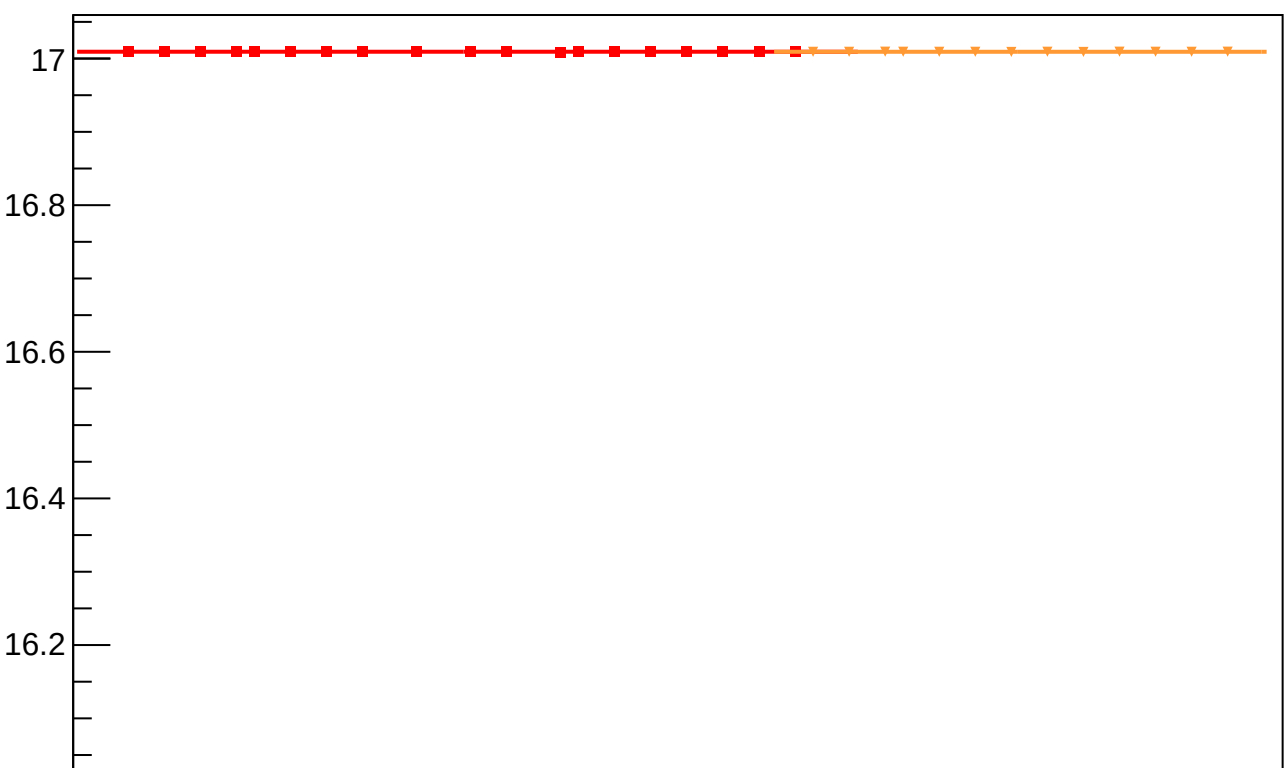
Left In: 88.021+/-0.000 χ^2/NDF:1379711.4/10

+ sign 88.896+/-0.000 χ^2/NDF: 2196123368396955

All: 88.924+/-0.000 χ^2/NDF: 435516742814

- sign 88.954+/-0.000 χ^2/NDF: 2156015138208664

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:1159998350247922947116236 8.0/12

Right Out: 17.009+/-0.000 χ^2/NDF: 1387898731303674326076620 8.0/18

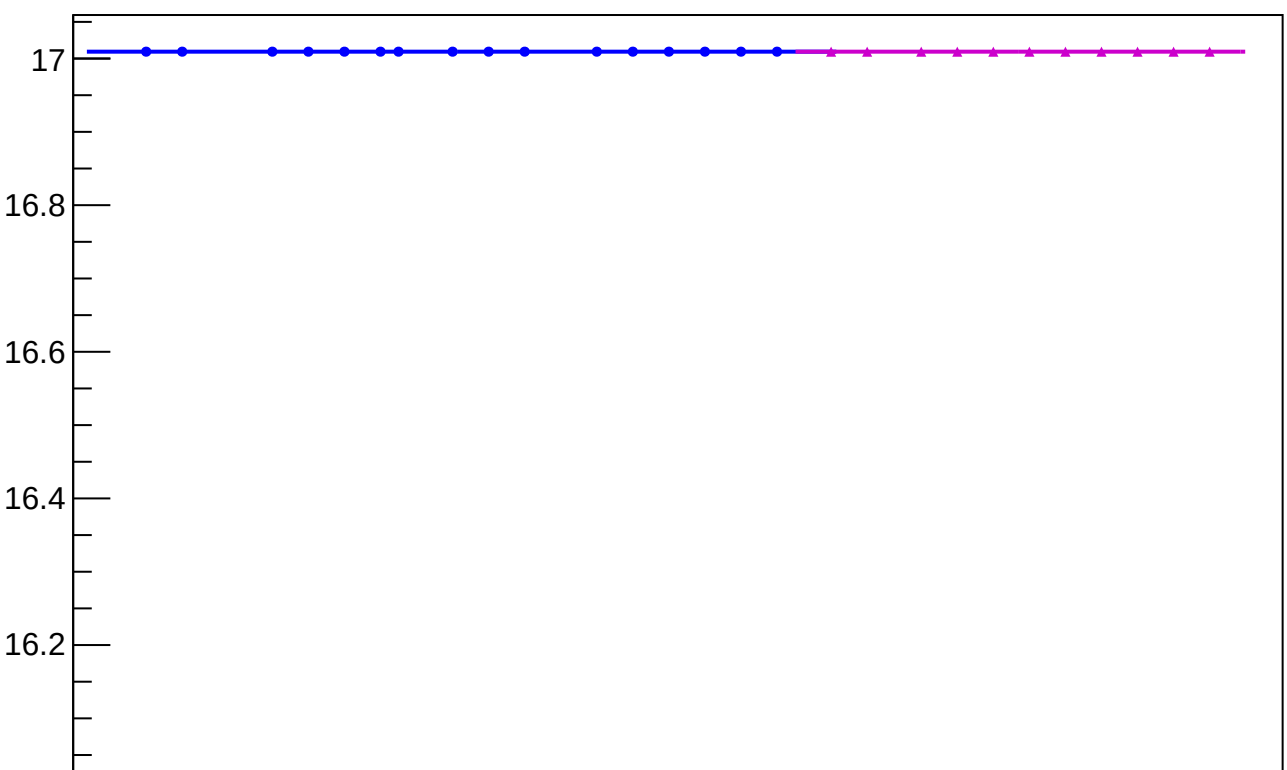
Left In: 16.009+/-0.000 χ^2/NDF:104319.0/10

+ sign 16.589+/-0.000 χ^2/NDF: 406793518876057 0

All: 16.514+/-0.000 χ^2/NDF: 8232437854051

- sign 16.436+/-0.000 χ^2/NDF: 3972085300414223

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:59057.3/12

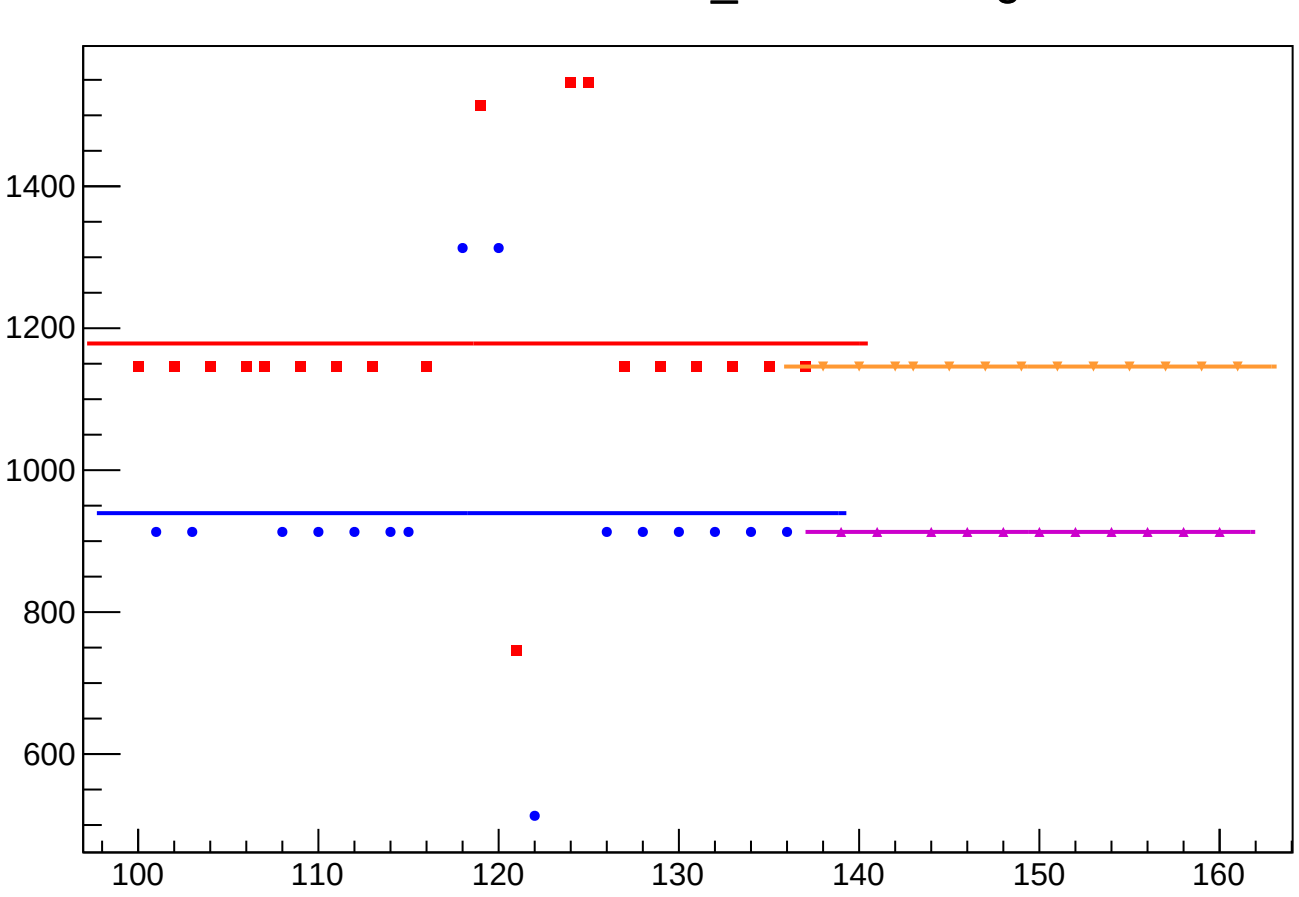
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:17468.5/10

+ sign 16.407+/-0.000 χ^2/NDF: 4260281056773471

All: 16.489+/-0.000 χ^2/NDF: 878026435474

- sign 16.573+/-0.000 χ^2/NDF: 4277285796434370



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1062.002+/-0.000 χ^2/NDF: 39841913718628

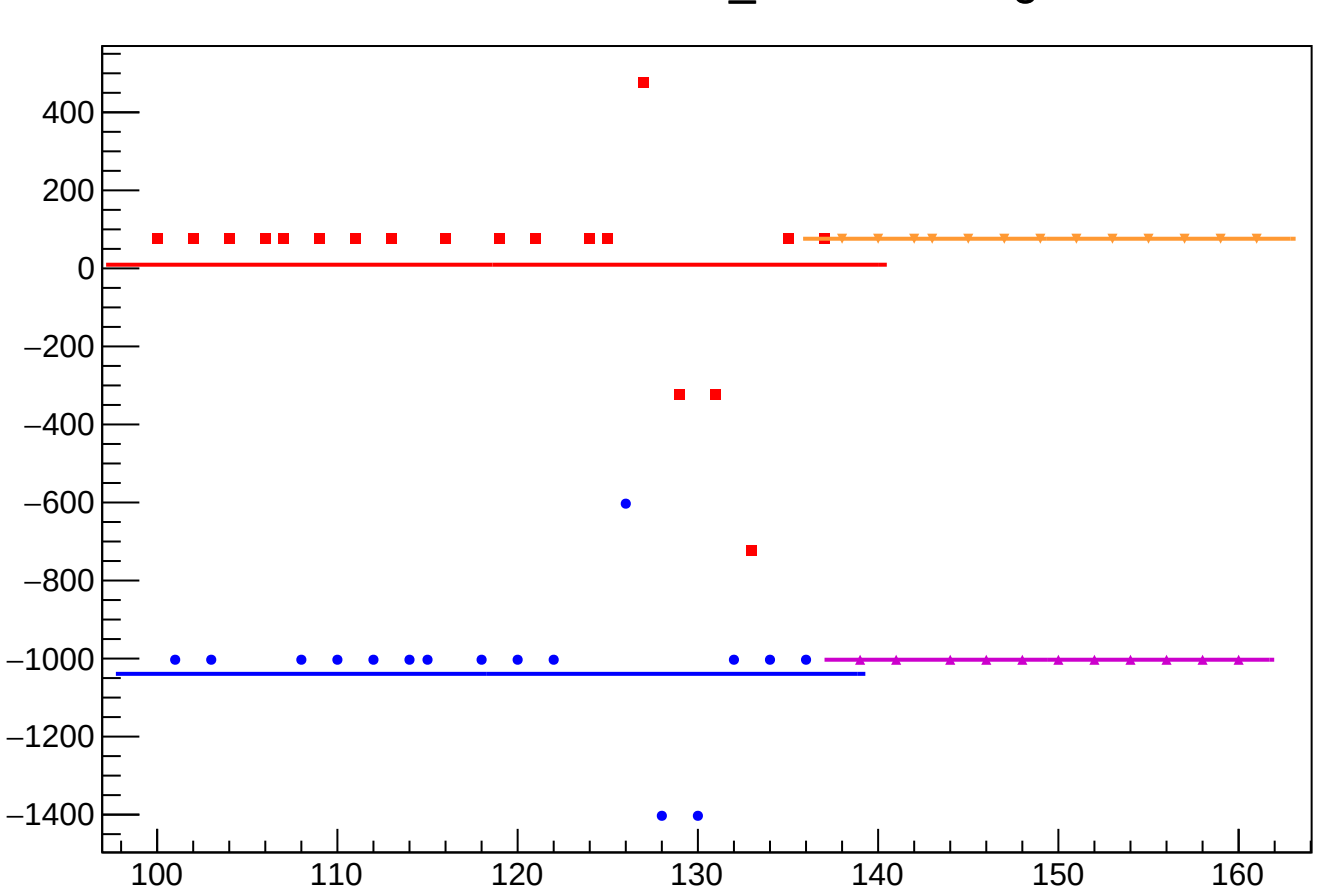
Left Out: 1146.011+/-0.000 χ^2/NDF:4882277162019380601259294720.0/12

All: 1045.494+/-0.000 χ^2/NDF: 9341269712

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1028.365+/-0.000 χ^2/NDF: 52559028322776

Left In: 912.994+/-0.000 χ^2/NDF:10493066105636367973346181120.0/10



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

+ sign -377.523+/-0.000 χ^2/NDF: 56960373179438

Left Out: 76.011+/-0.000 χ^2/NDF:42276838928312307322087014400.0/12

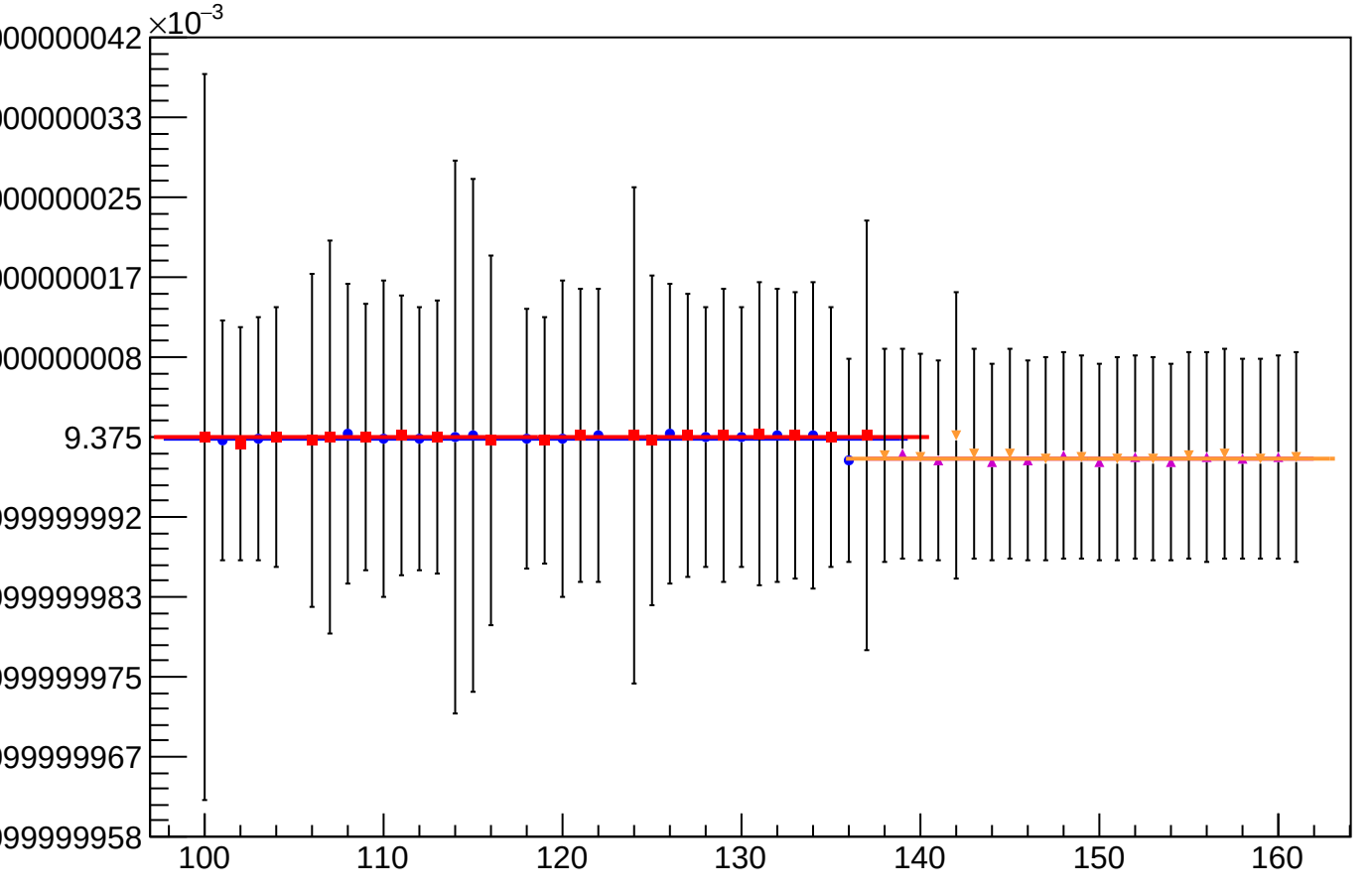
All: -468.592+/-0.000 χ^2/NDF: 1088702738

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

- sign -563.083+/-0.000 χ^2/NDF: 48830974256587

Left In: -1002.990+/-0.000 χ^2/NDF:151345769797738278229219737 6.0/10

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/12

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

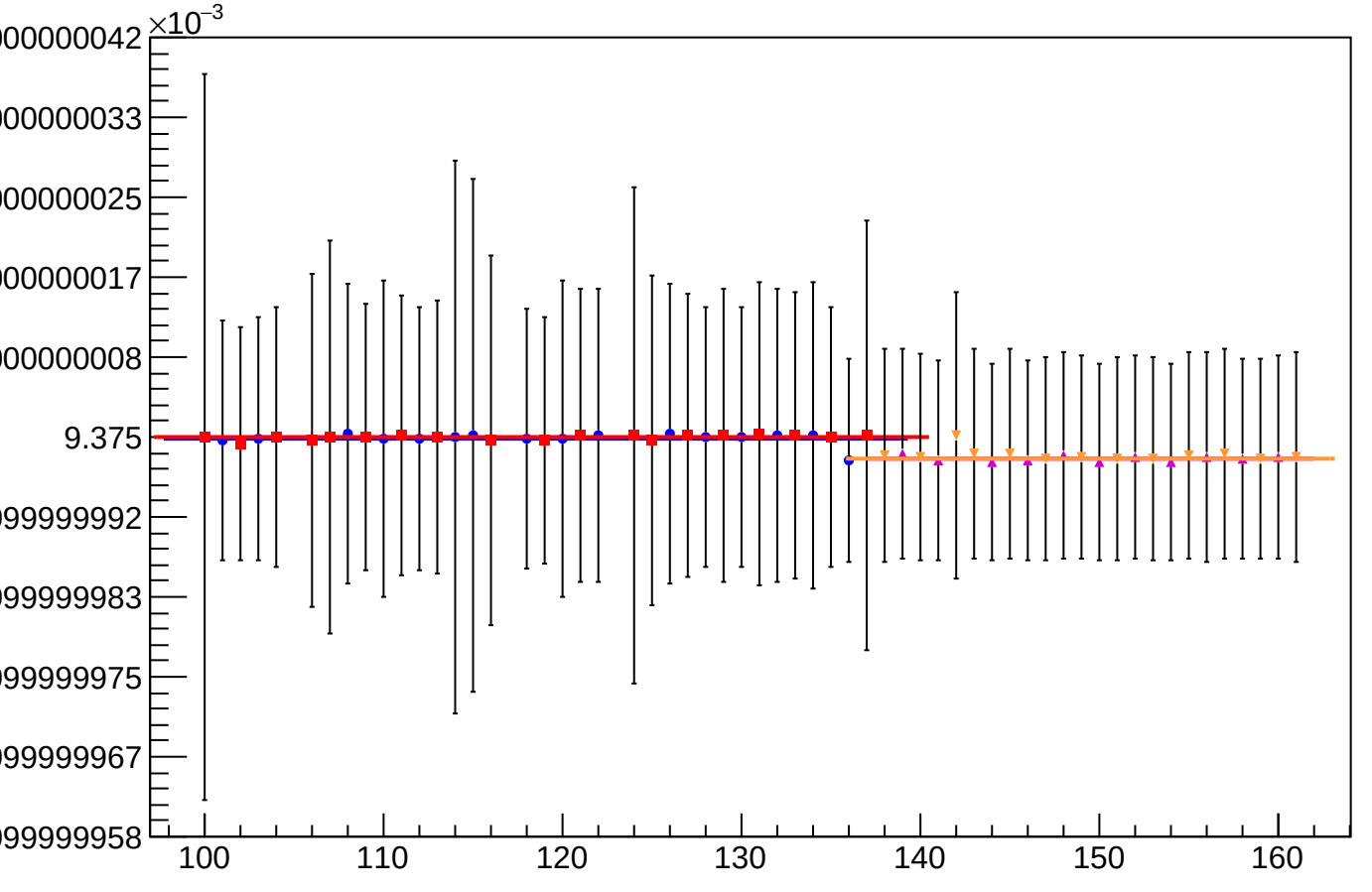
Left In: 0.009+/-0.000 χ^2/NDF:0.0/10

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/28

All: 0.009+/-0.000 χ^2/NDF: 0.5/58

- sign 0.009+/-0.000 χ^2/NDF: 0.2/29

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/12

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/10

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/28

All: 0.009+/-0.000 χ^2/NDF: 0.5/58

- sign 0.009+/-0.000 χ^2/NDF: 0.2/29