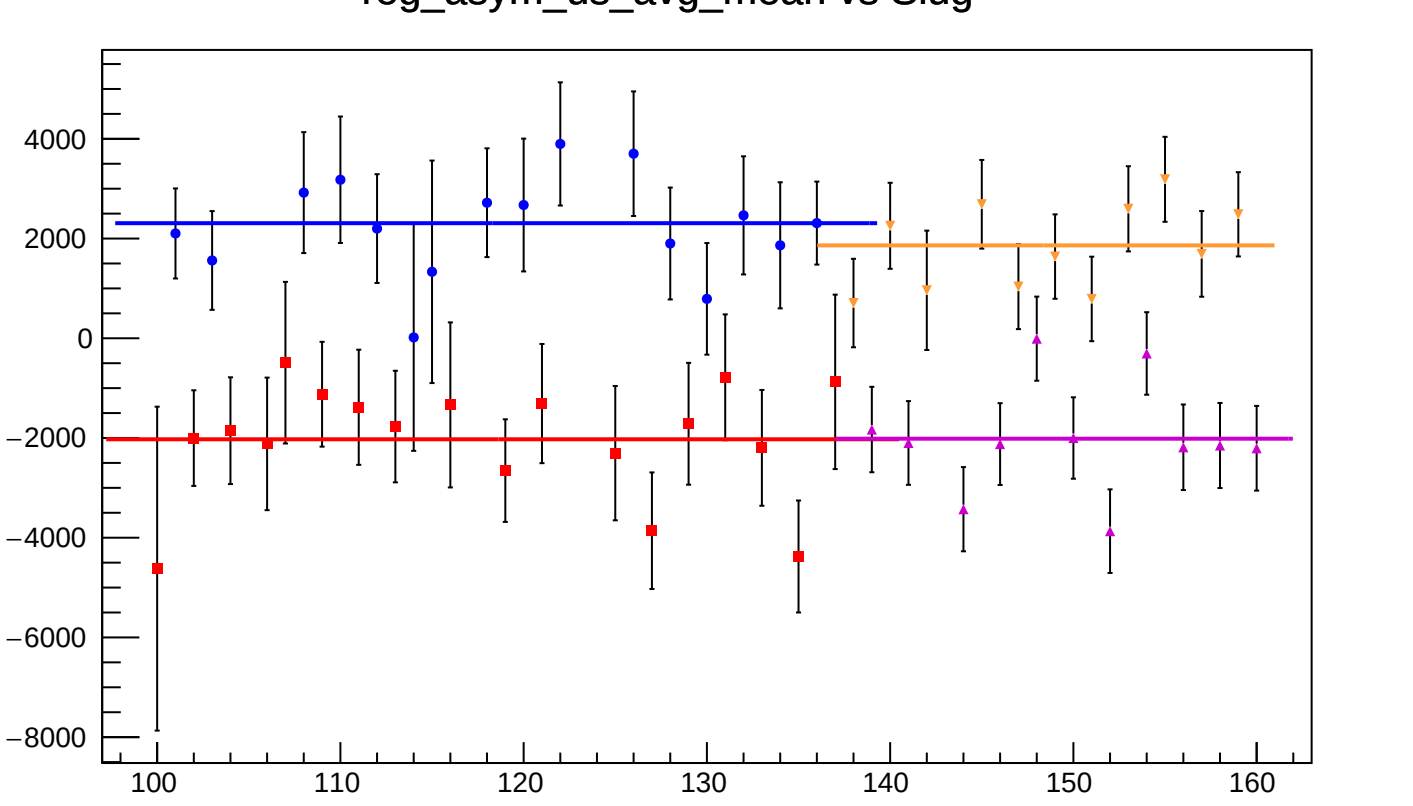


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1862.893+/-264.979 χ^2/NDF:9.7/10

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

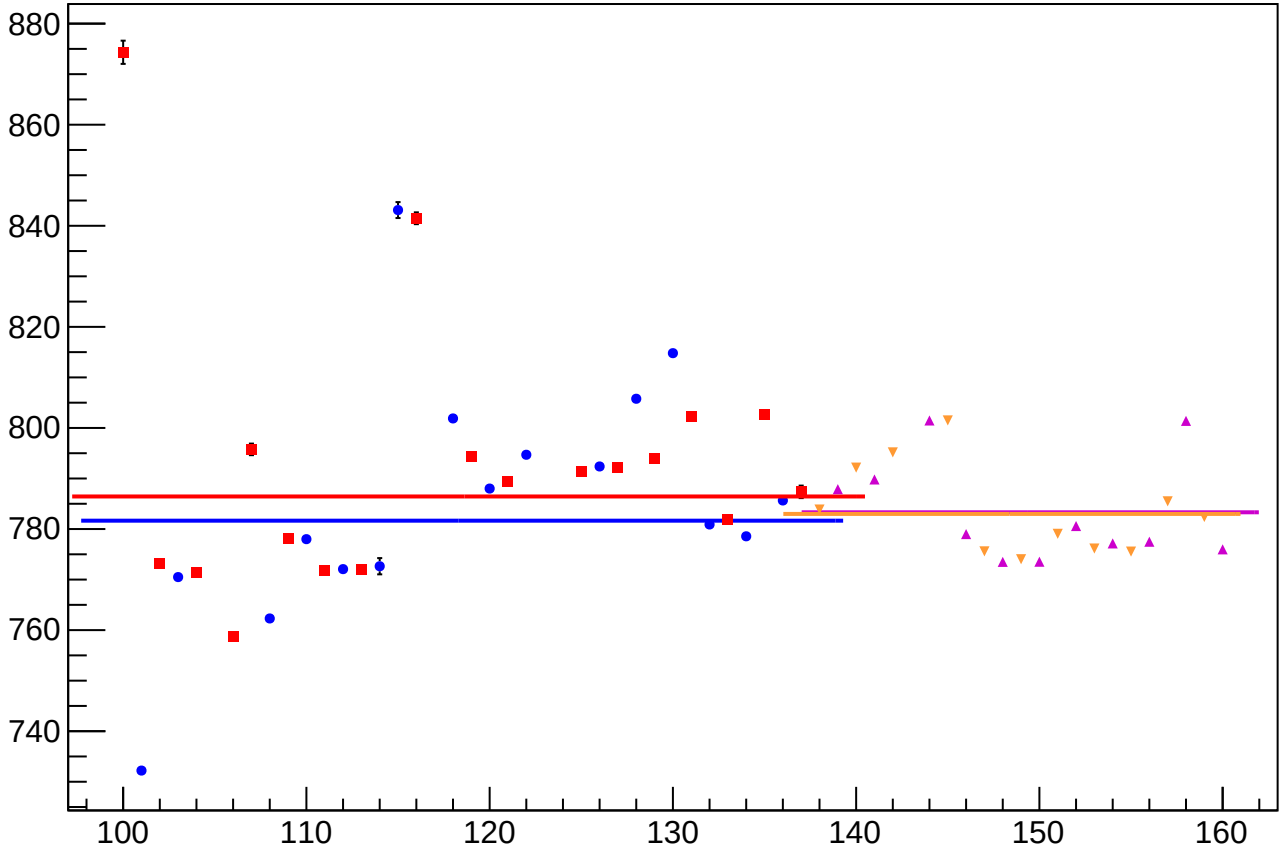
Left In: -2014.128+/-253.372 χ^2/NDF:17.8/10

+ sign 2065.162+/-195.749 χ^2/NDF: 18.8/26

All: -29.824+/-136.613 χ^2/NDF: 271.8/55

- 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: 782.990+/-0.187 χ^2/NDF:2017.7/10

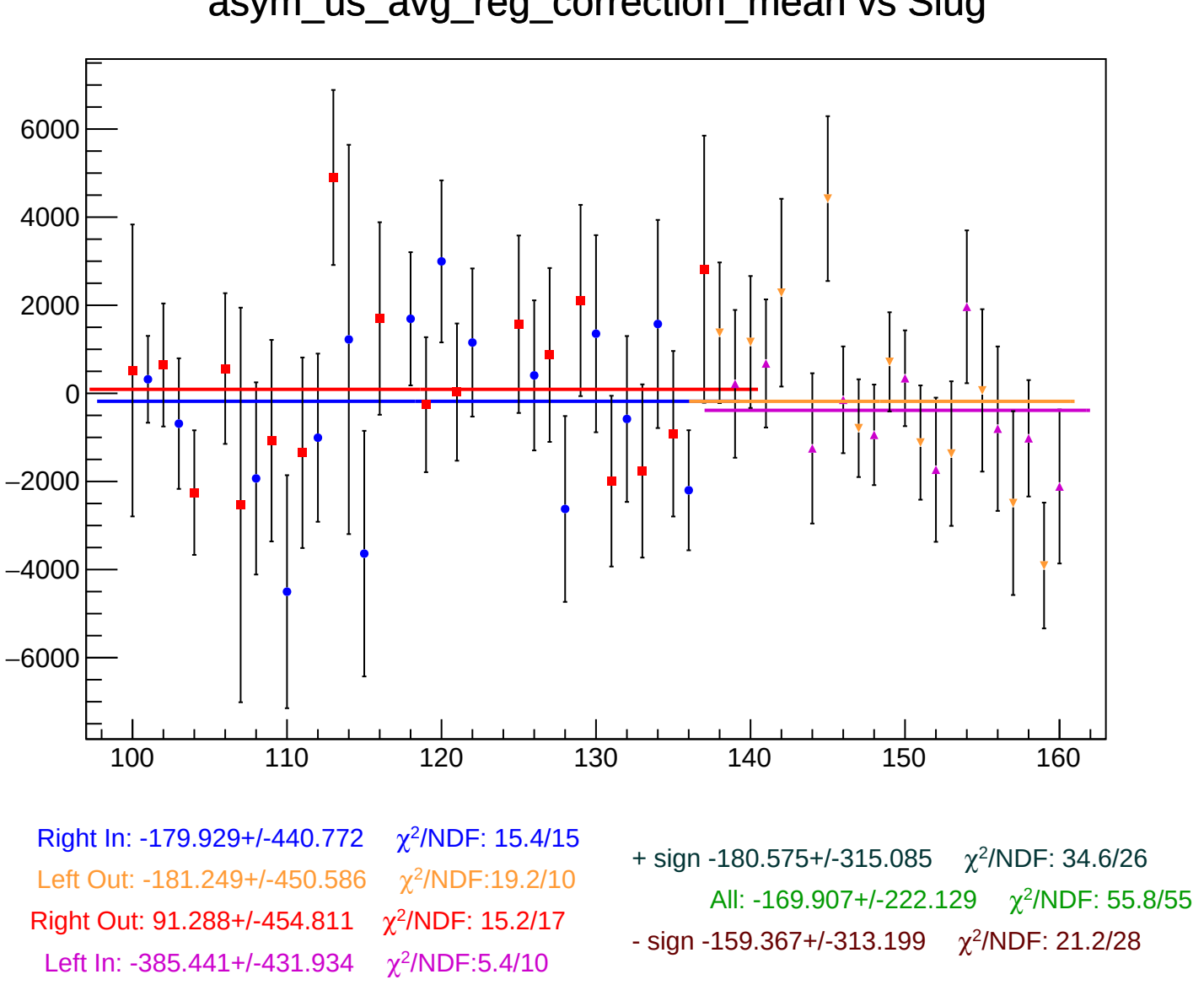
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

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

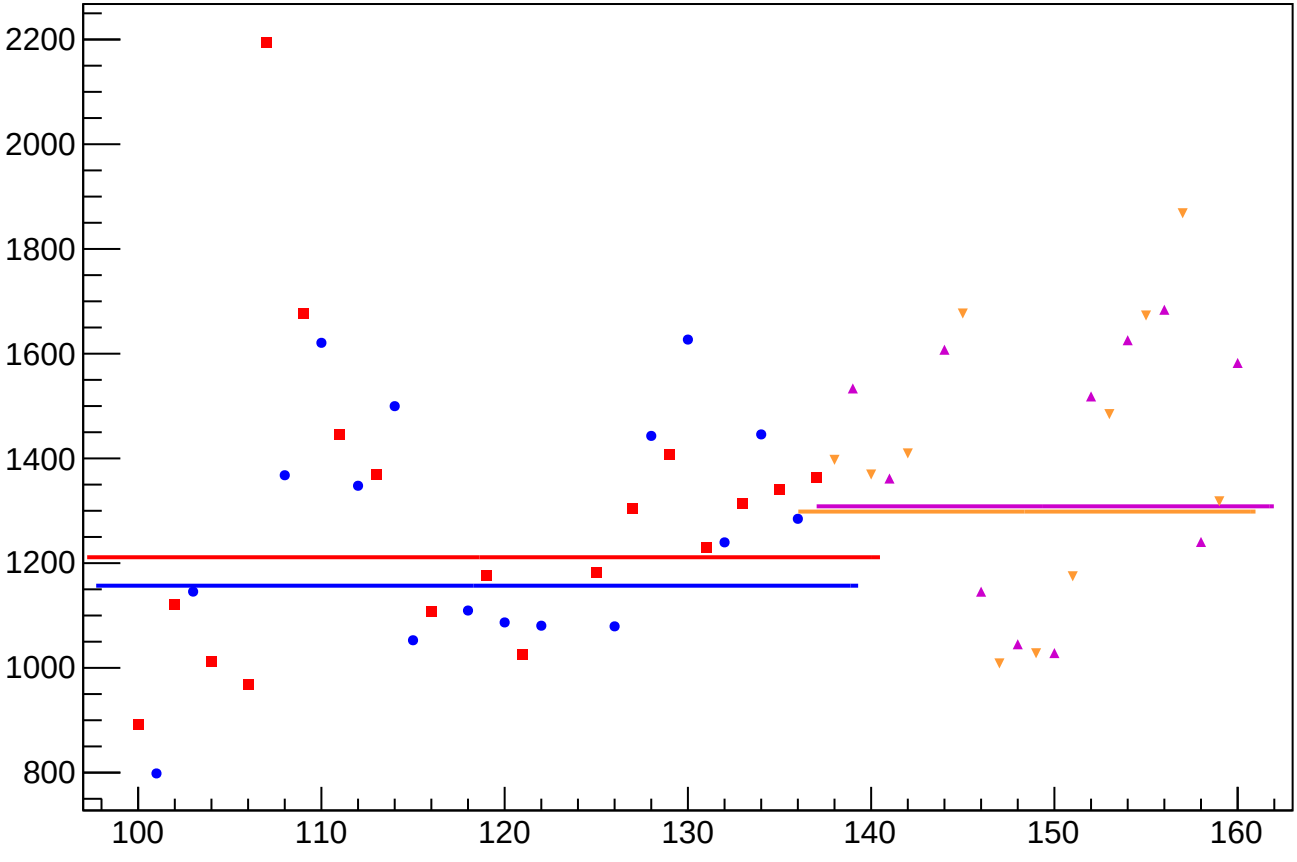
\+ sign 782.383+/-0.138 χ^2/NDF: 14359.8/26

All: 783.556+/-0.097 χ^2/NDF: 24820.1/55

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


asym_us_avg_reg_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: -181.249+/-450.586 χ²/NDF:19.2/10
Right Out: 91.288+/-454.811 χ²/NDF: 15.2/17
Left In: -385.441+/-431.934 χ²/NDF:5.4/10
+ sign -180.575+/-315.085 χ²/NDF: 34.6/26
All: -169.907+/-222.129 χ²/NDF: 55.8/55
- sign -159.367+/-313.199 χ²/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: 1298.495+/-0.319 χ^2/NDF:627308.4/10

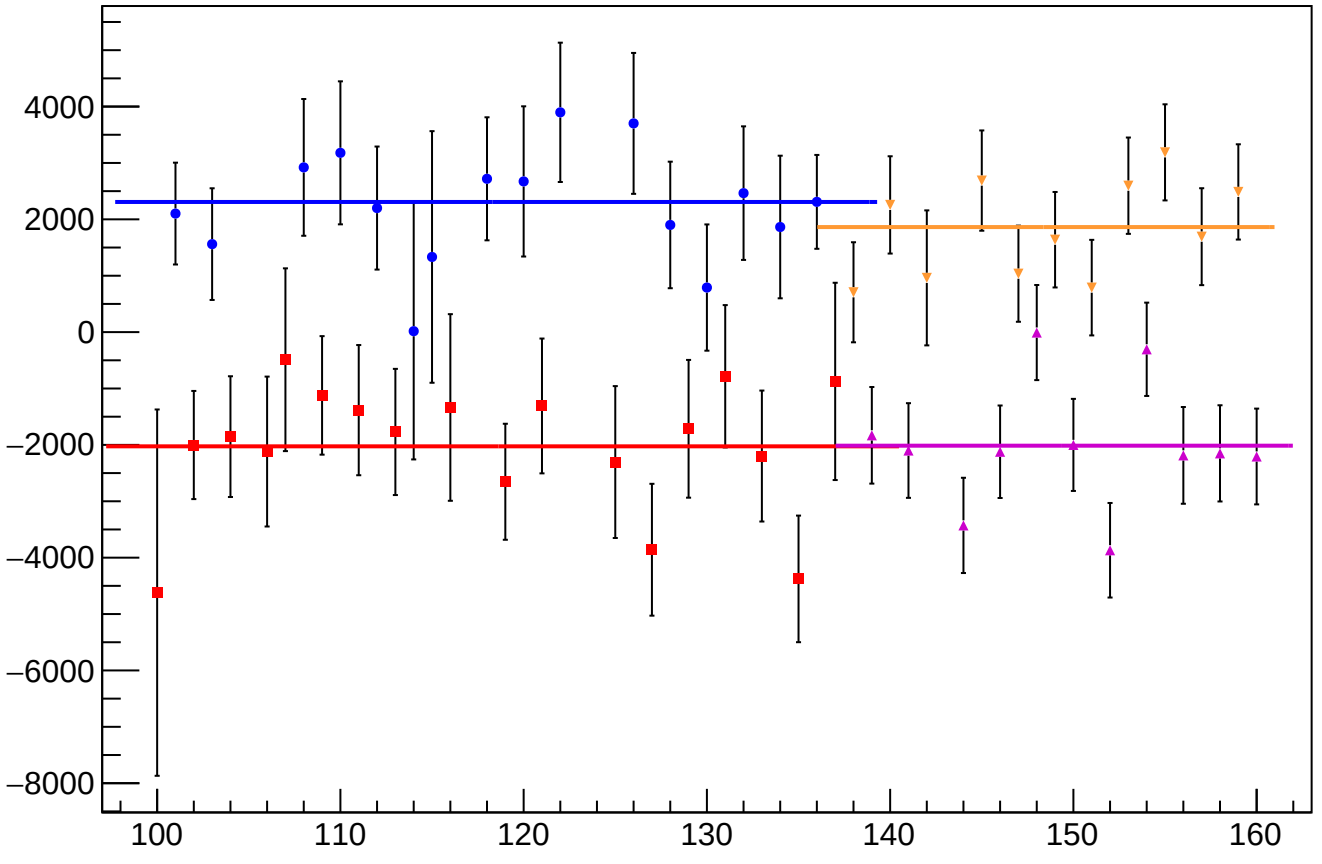
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

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

+ sign 1226.163+/-0.223 χ^2/NDF: 1297284.3/26

All: 1244.388+/-0.157 χ^2/NDF: 2367267.4/55

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



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

Left Out: 1862.893+/-264.979 χ^2/NDF:9.7/10

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

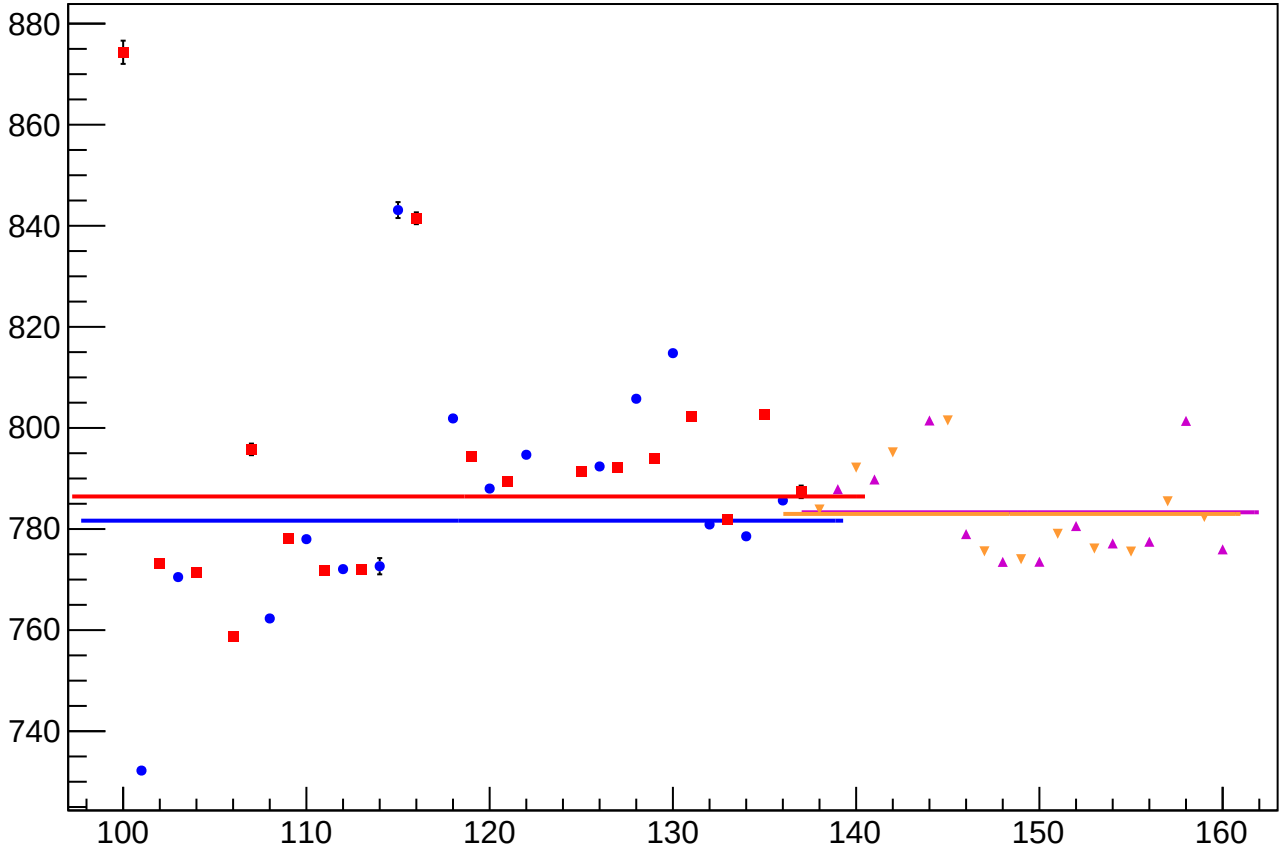
Left In: -2014.128+/-253.372 χ^2/NDF:17.8/10

+ sign 2065.162+/-195.749 χ^2/NDF: 18.8/26

All: -29.824+/-136.613 χ^2/NDF: 271.8/55

- 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: 782.990+/-0.187 χ^2/NDF:2017.7/10

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

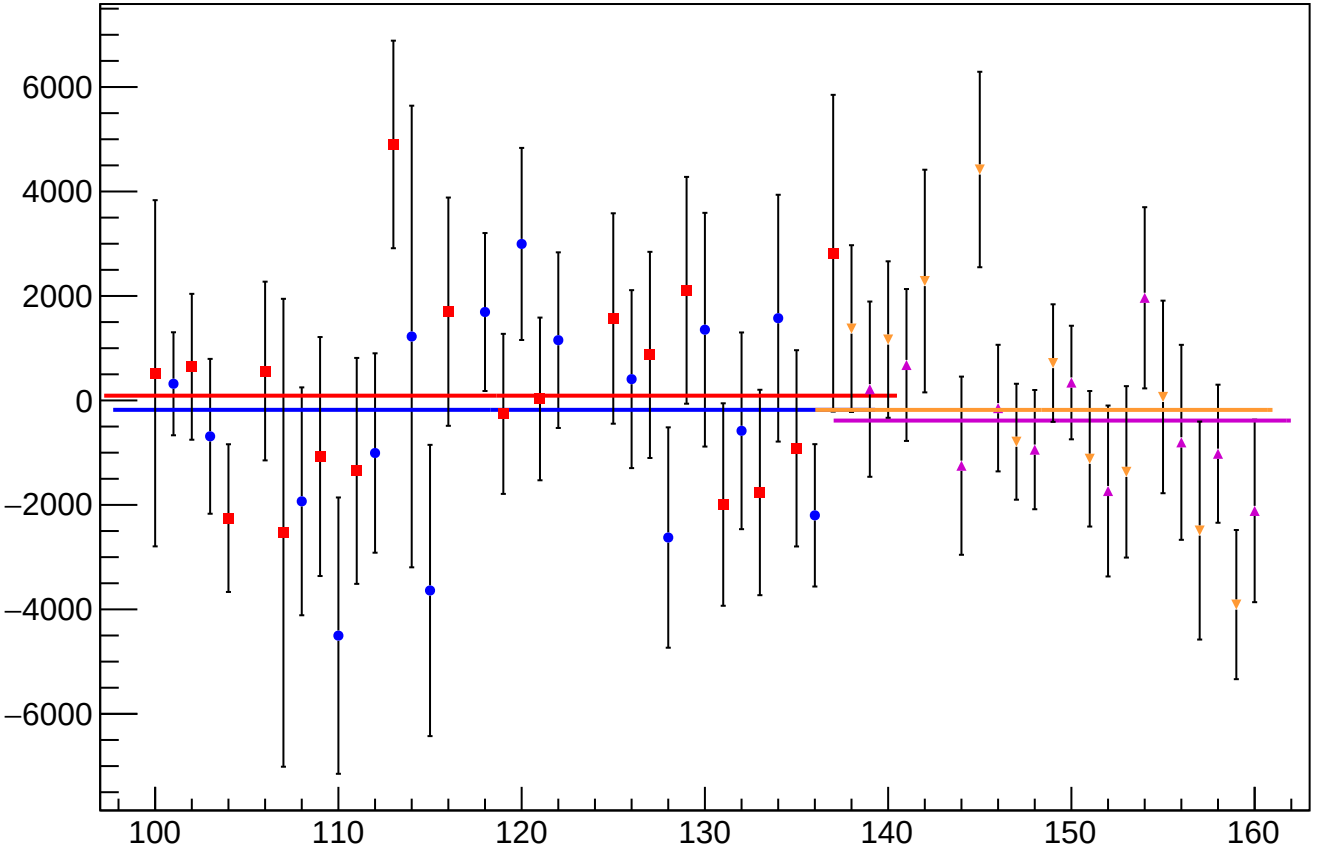
Left In: 783.313+/-0.179 χ^2/NDF:2986.5/10

\+ sign 782.383+/-0.138 χ^2/NDF: 14359.8/26

All: 783.556+/-0.097 χ^2/NDF: 24820.1/55

\- 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: -181.249+/-450.586 χ^2/NDF:19.2/10

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

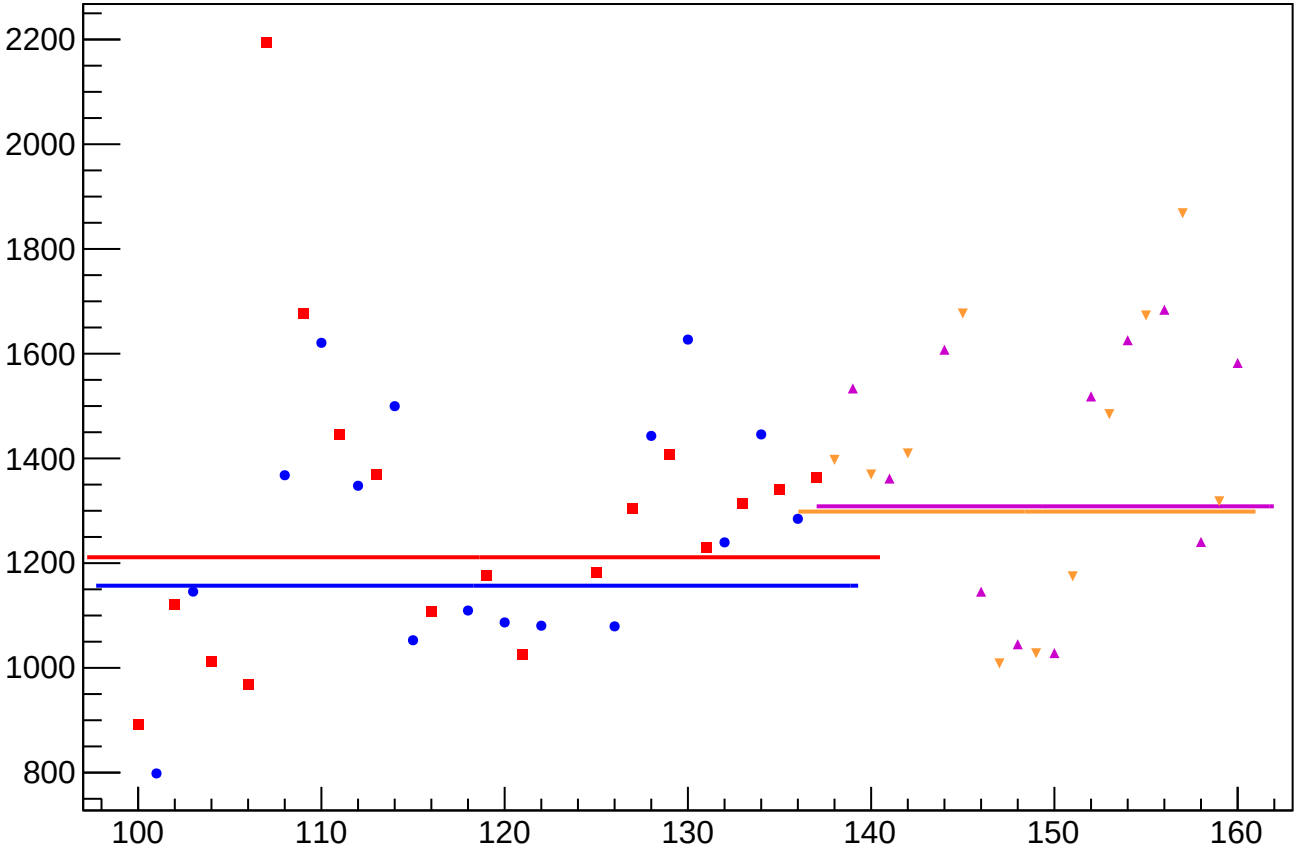
Left In: -385.441+/-431.934 χ^2/NDF:5.4/10

+ sign -180.575+/-315.085 χ^2/NDF: 34.6/26

All: -169.907+/-222.129 χ^2/NDF: 55.8/55

- 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: 1298.495+/-0.319 χ^2/NDF:627308.4/10

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

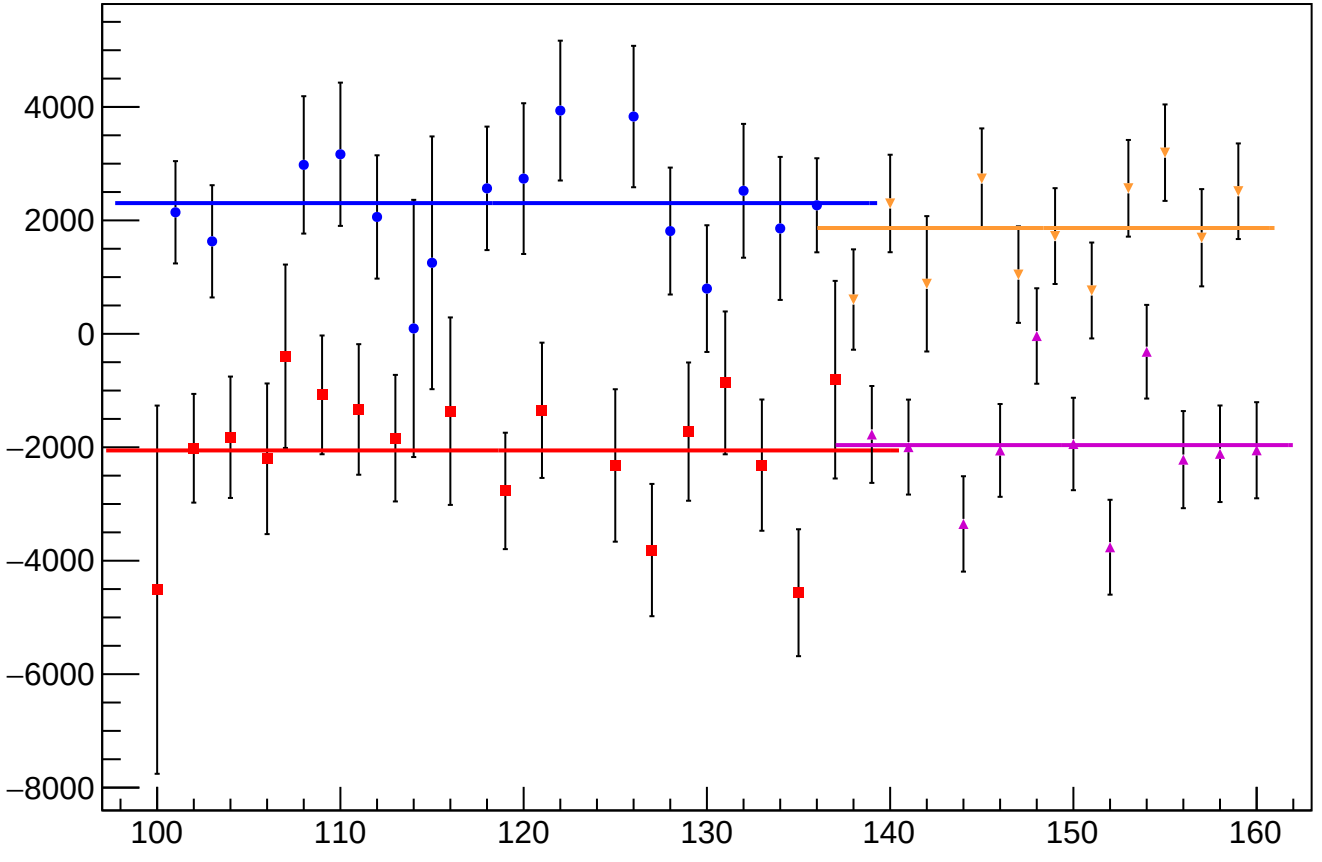
Left In: 1308.511+/-0.305 χ^2/NDF:610890.5/10

+ sign 1226.163+/-0.223 χ^2/NDF: 1297284.3/26

All: 1244.388+/-0.157 χ^2/NDF: 2367267.4/55

- 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: 1865.808+/-264.254 χ^2/NDF:10.3/10

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

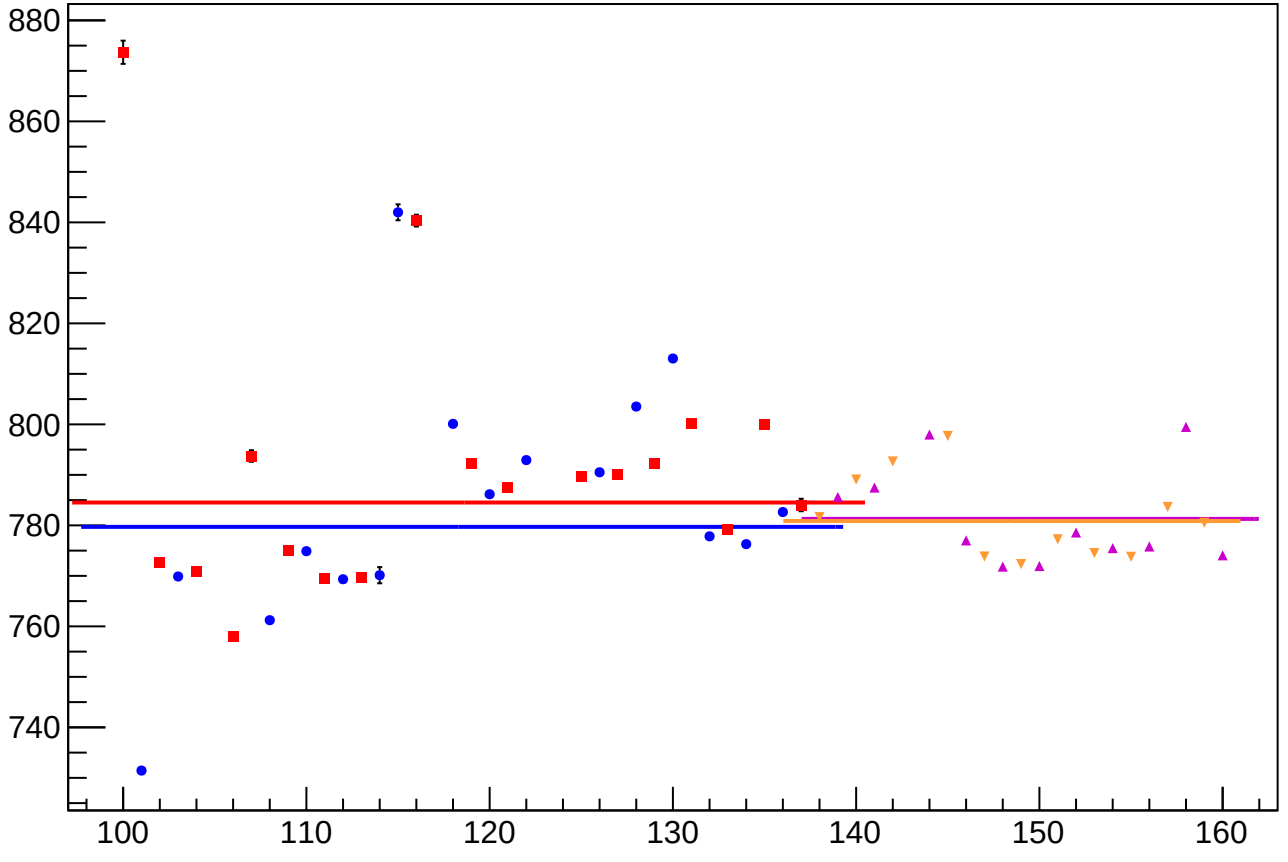
Left In: -1961.551+/-252.713 χ^2/NDF:16.8/10

+ sign 2065.202+/-195.234 χ^2/NDF: 19.7/26

All: -20.986+/-136.260 χ^2/NDF: 272.0/55

- 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: 780.861+/-0.187 χ^2/NDF:1753.2/10

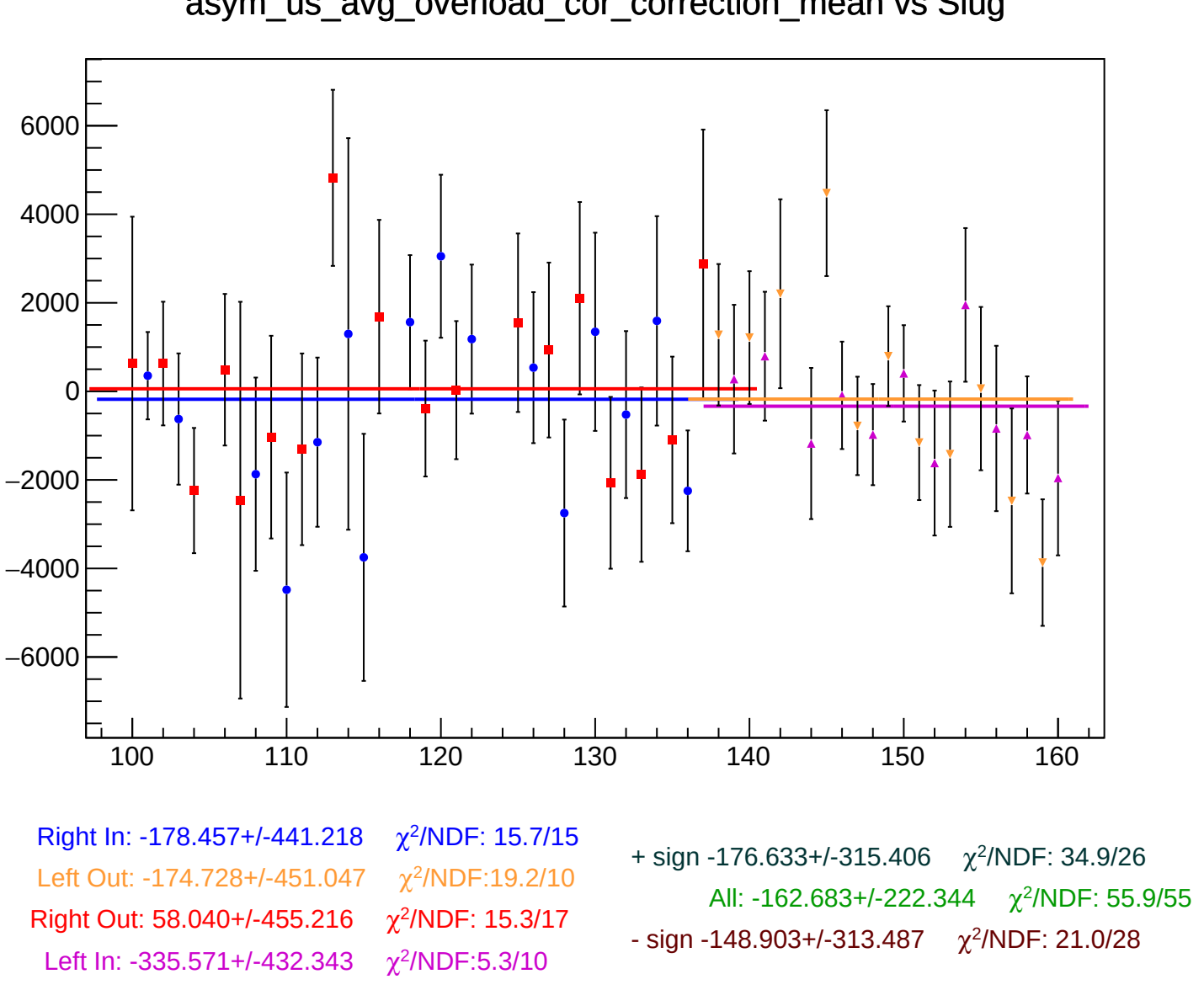
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

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

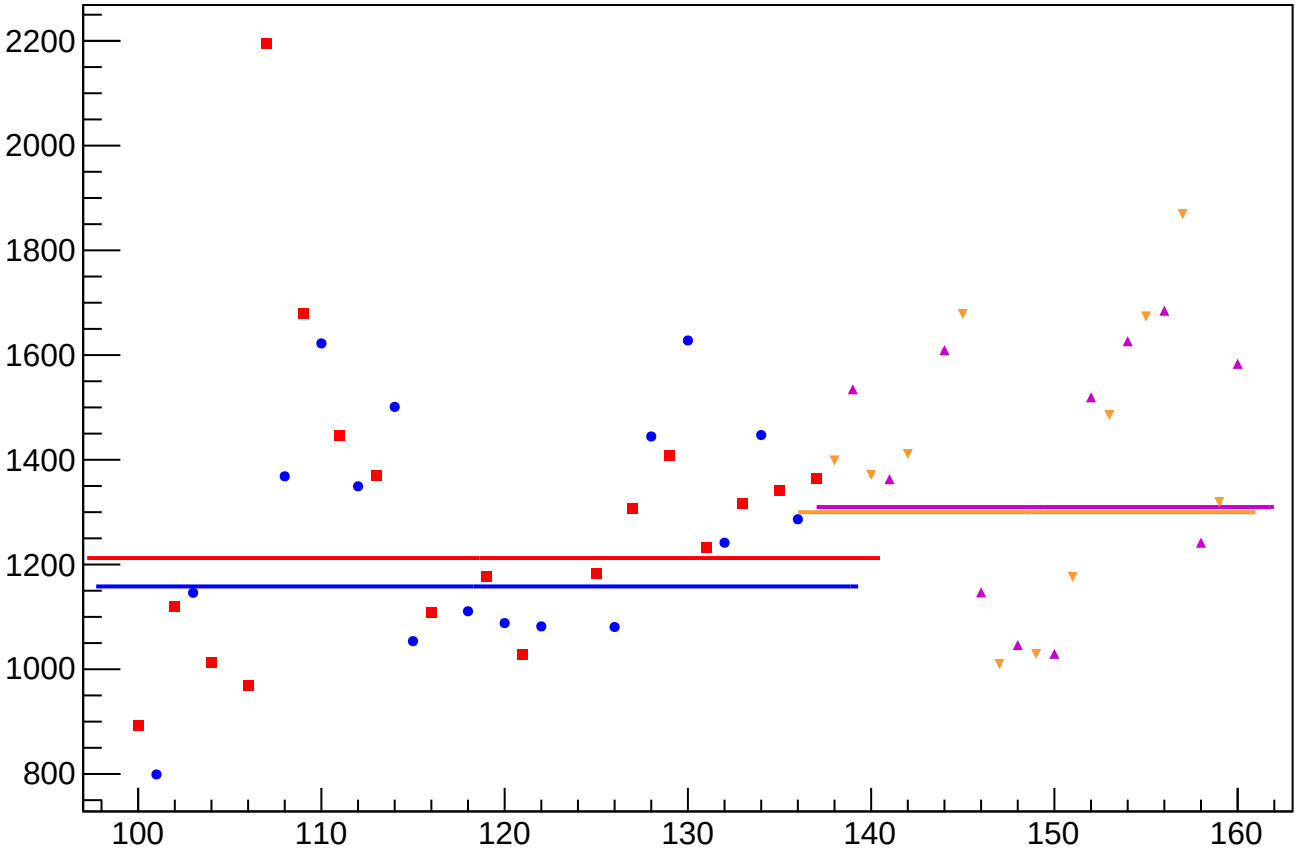
+ sign 780.334+/-0.138 χ^2/NDF: 13830.9/26

All: 781.540+/-0.096 χ^2/NDF: 24063.0/55

- 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: -174.728+/-451.047 χ²/NDF:19.2/10
Right Out: 58.040+/-455.216 χ²/NDF: 15.3/17
Left In: -335.571+/-432.343 χ²/NDF:5.3/10
+ sign -176.633+/-315.406 χ²/NDF: 34.9/26
All: -162.683+/-222.344 χ²/NDF: 55.9/55
- 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: 1299.900+/-0.319 χ^2/NDF:625825.3/10

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

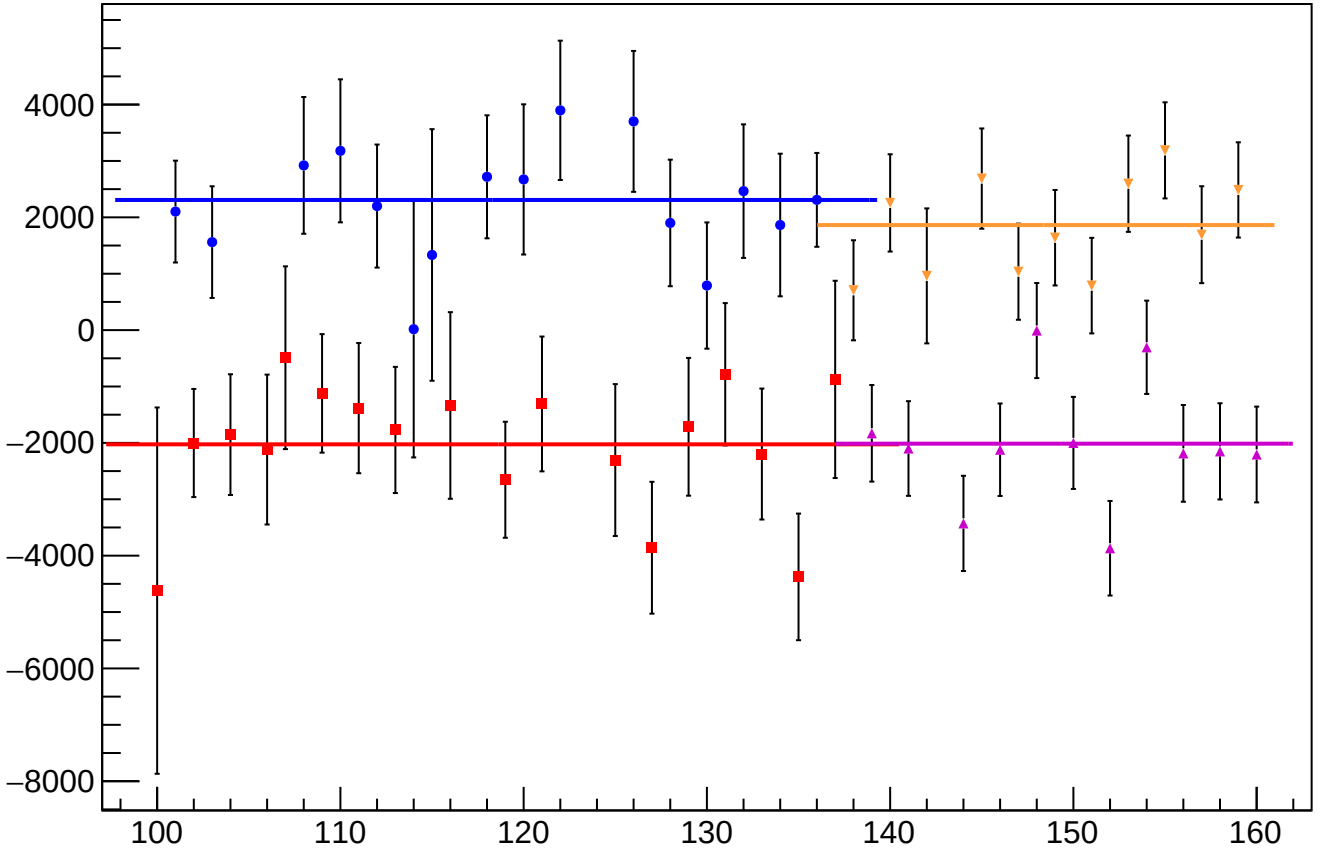
Left In: 1309.810+/-0.306 χ^2/NDF:609479.1/10

+ sign 1227.455+/-0.223 χ^2/NDF: 1295934.6/26

All: 1245.632+/-0.157 χ^2/NDF: 2364757.7/55

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

eigen_cor_asym_us_avg_mean vs Slug



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

Left Out: 1862.893+/-264.979 χ^2/NDF:9.7/10

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

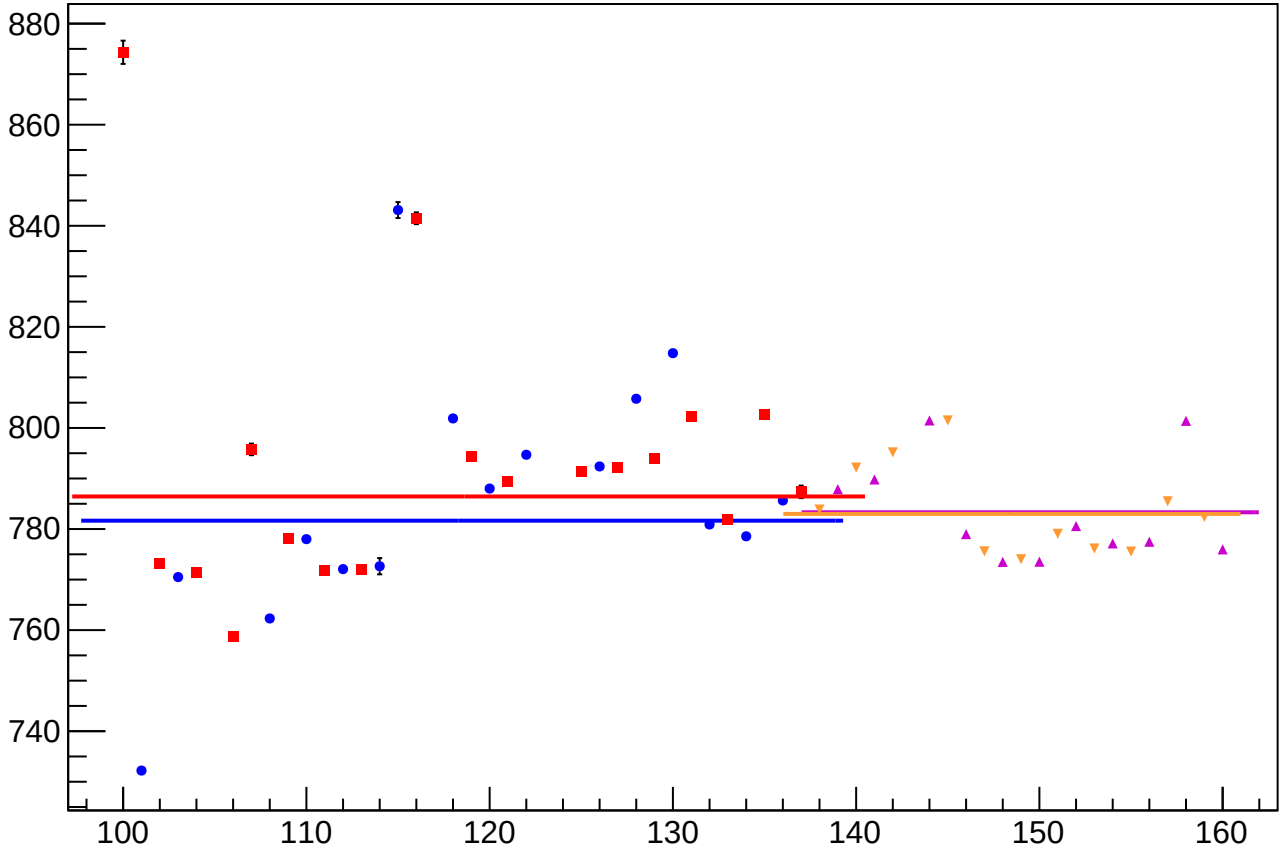
Left In: -2014.128+/-253.372 χ^2/NDF:17.8/10

+ sign 2065.162+/-195.749 χ^2/NDF: 18.8/26

All: -29.824+/-136.613 χ^2/NDF: 271.8/55

- sign -2019.110+/-190.747 χ^2/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: 782.990+/-0.187 χ^2/NDF:2017.7/10

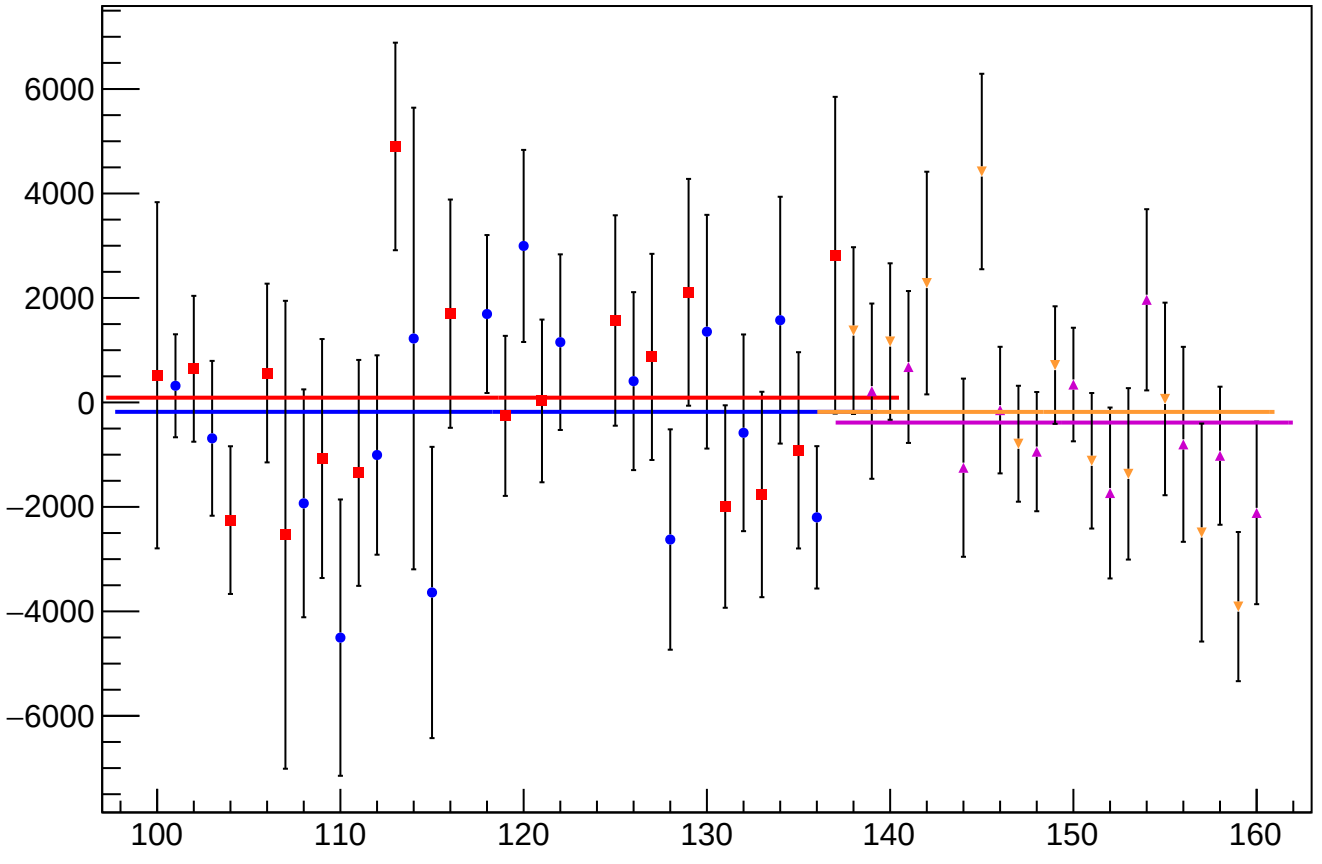
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

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

+ sign 782.383+/-0.138 χ^2/NDF: 14359.8/26

All: 783.556+/-0.097 χ^2/NDF: 24820.1/55

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



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

Left Out: -181.249+/-450.586 χ^2/NDF:19.2/10

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

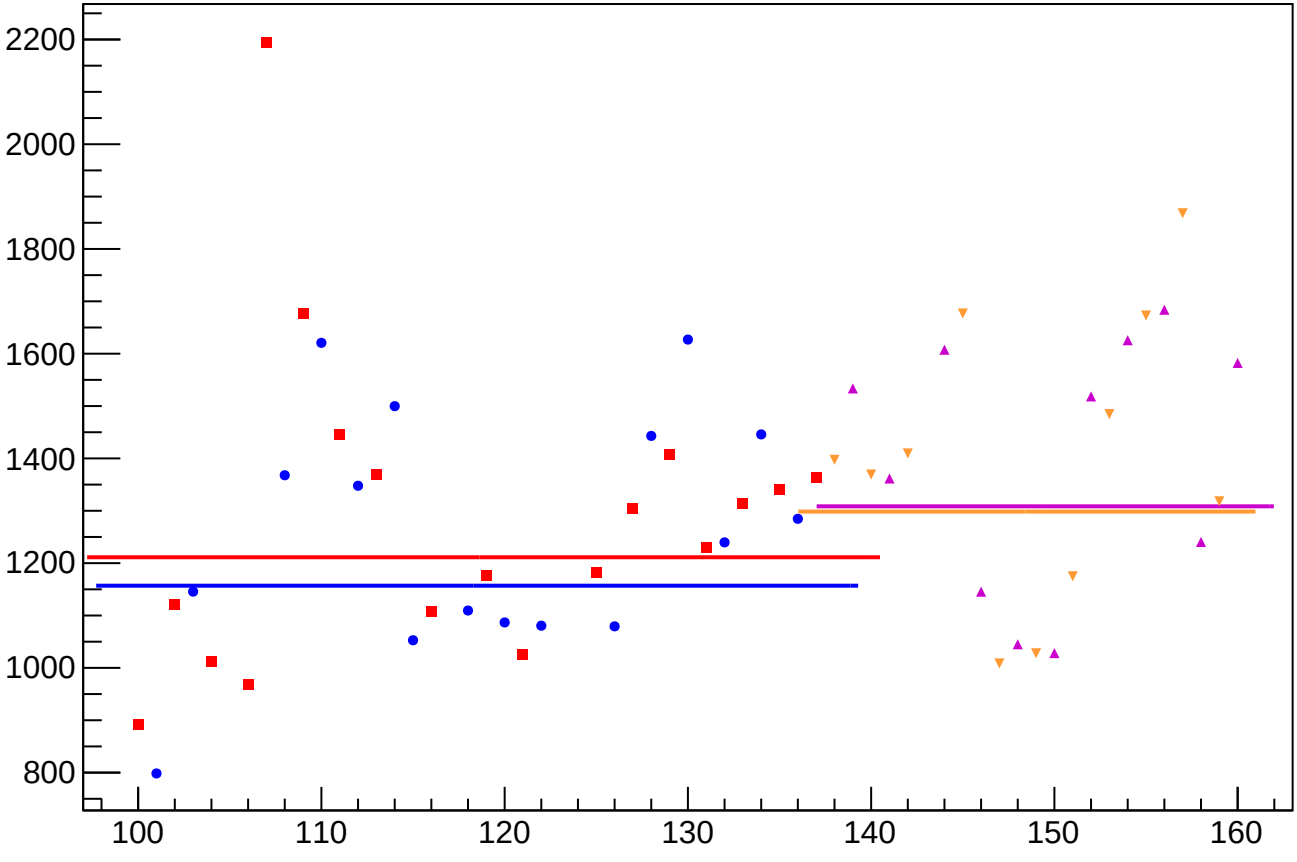
Left In: -385.441+/-431.934 χ^2/NDF:5.4/10

+ sign -180.575+/-315.085 χ^2/NDF: 34.6/26

All: -169.907+/-222.129 χ^2/NDF: 55.8/55

- sign -159.367+/-313.199 χ^2/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: 1298.495+/-0.319 χ^2/NDF:627308.4/10

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

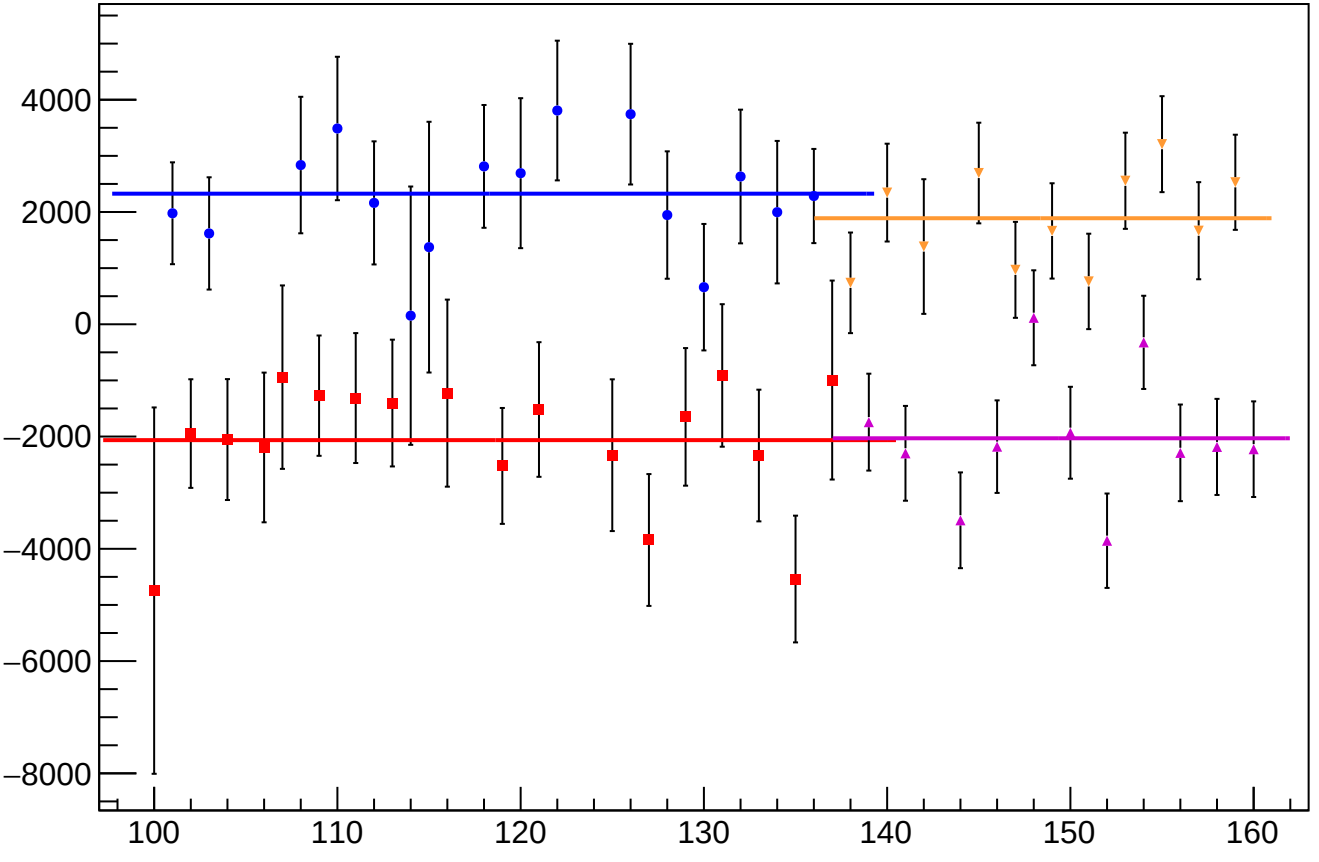
Left In: 1308.511+/-0.305 χ^2/NDF:610890.5/10

+ sign 1226.163+/-0.223 χ^2/NDF: 1297284.3/26

All: 1244.388+/-0.157 χ^2/NDF: 2367267.4/55

- 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: 1889.070+/-266.301 χ^2/NDF:9.5/10

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

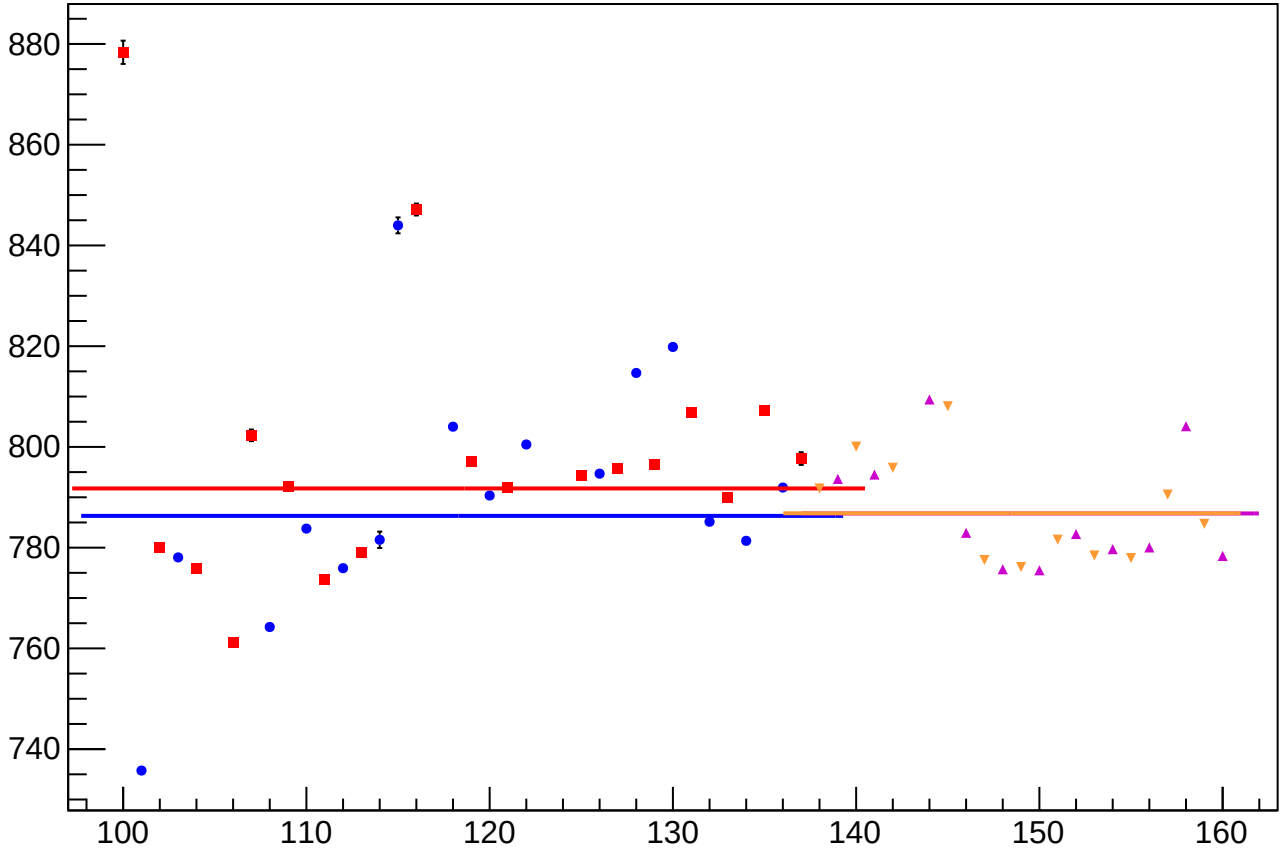
Left In: -2030.991+/-254.513 χ^2/NDF:18.8/10

+ sign 2087.530+/-196.816 χ^2/NDF: 18.9/26

All: -32.173+/-137.363 χ^2/NDF: 275.4/55

- 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: 786.823+/-0.188 χ^2/NDF:2841.3/10

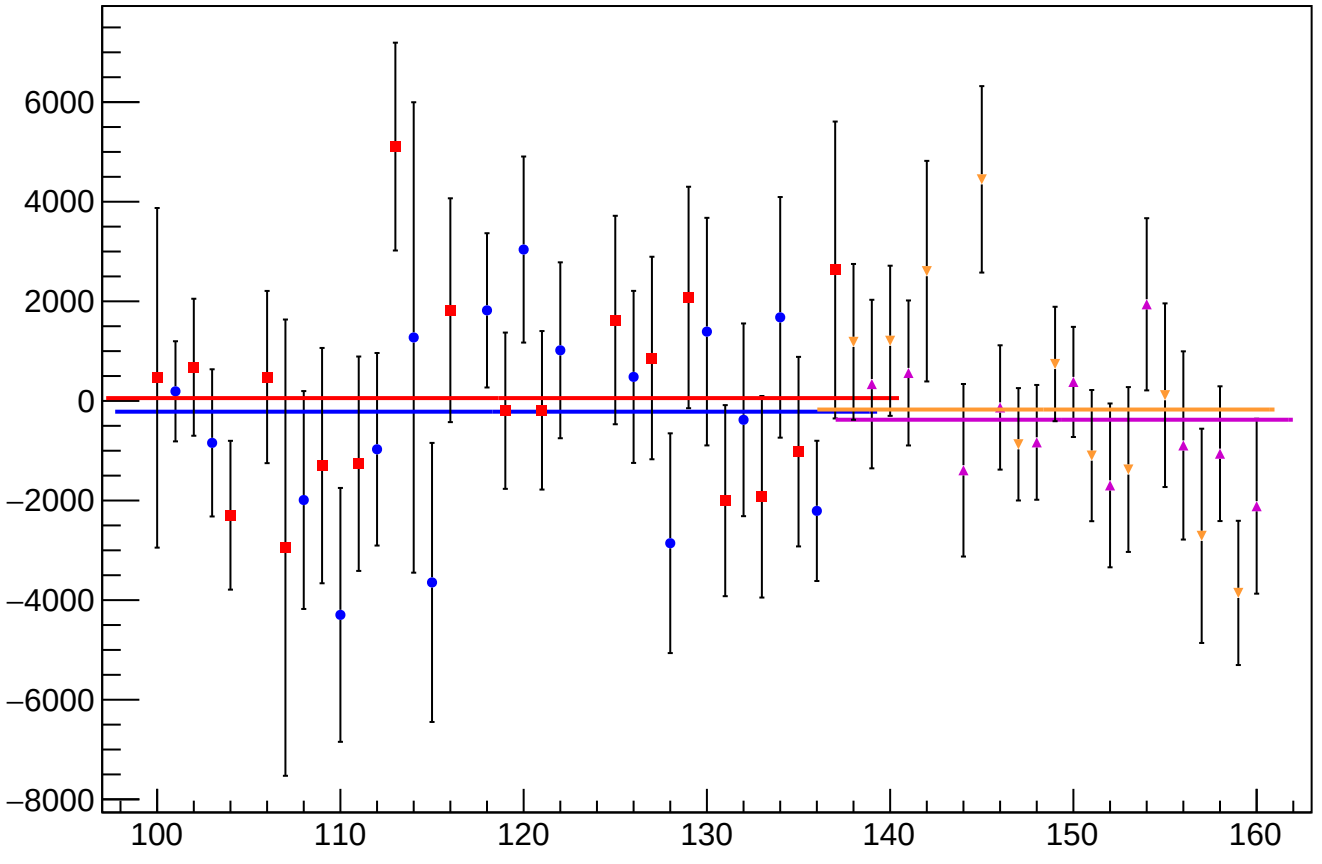
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

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

+ sign 786.590+/-0.139 χ^2/NDF: 15415.8/26

All: 787.794+/-0.097 χ^2/NDF: 26703.3/55

- 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: -172.756+/-456.004 χ^2/NDF:19.2/10

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

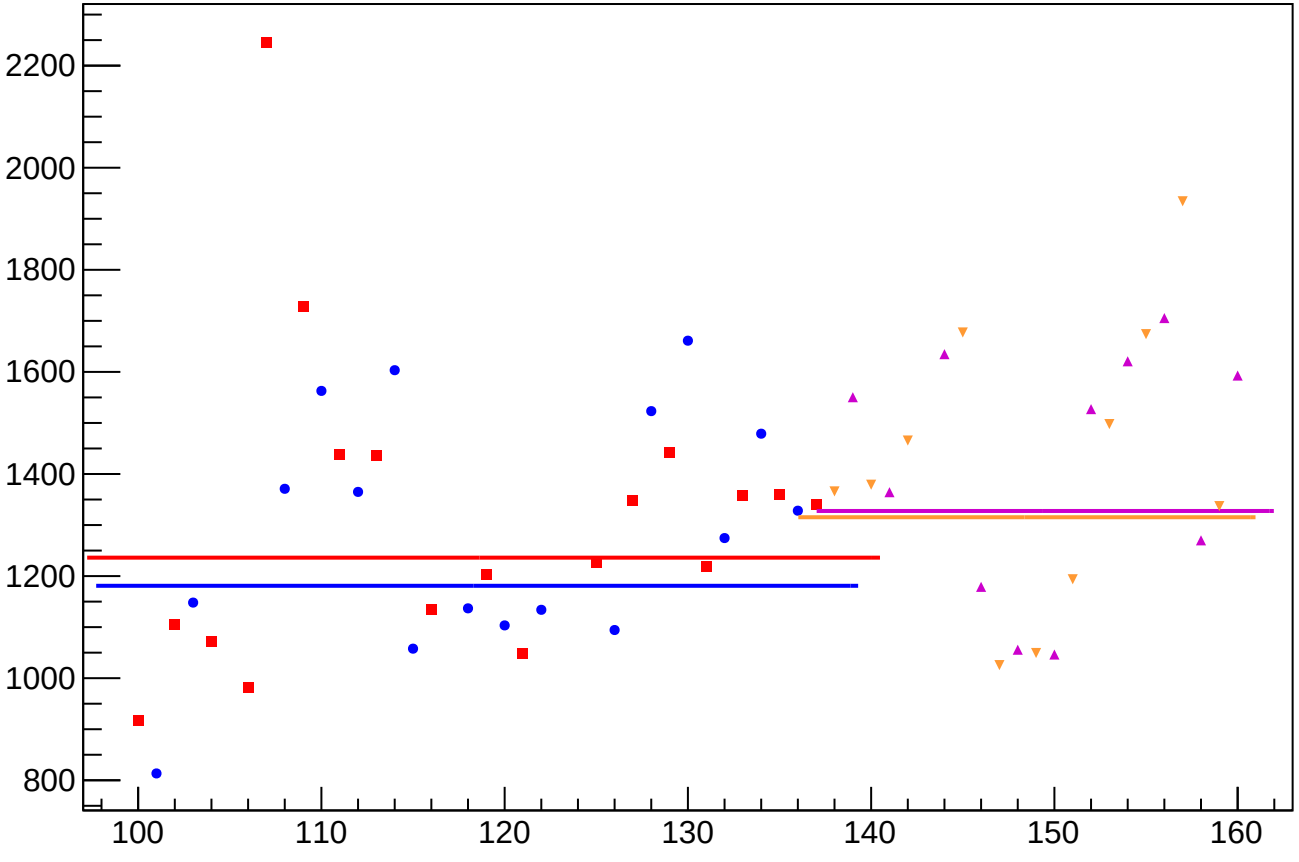
Left In: -377.581+/-437.648 χ^2/NDF:5.4/10

+ sign -194.780+/-320.132 χ^2/NDF: 34.5/26

All: -183.866+/-225.741 χ^2/NDF: 55.4/55

- 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: 1315.286+/-0.322 χ^2/NDF:611657.4/10

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

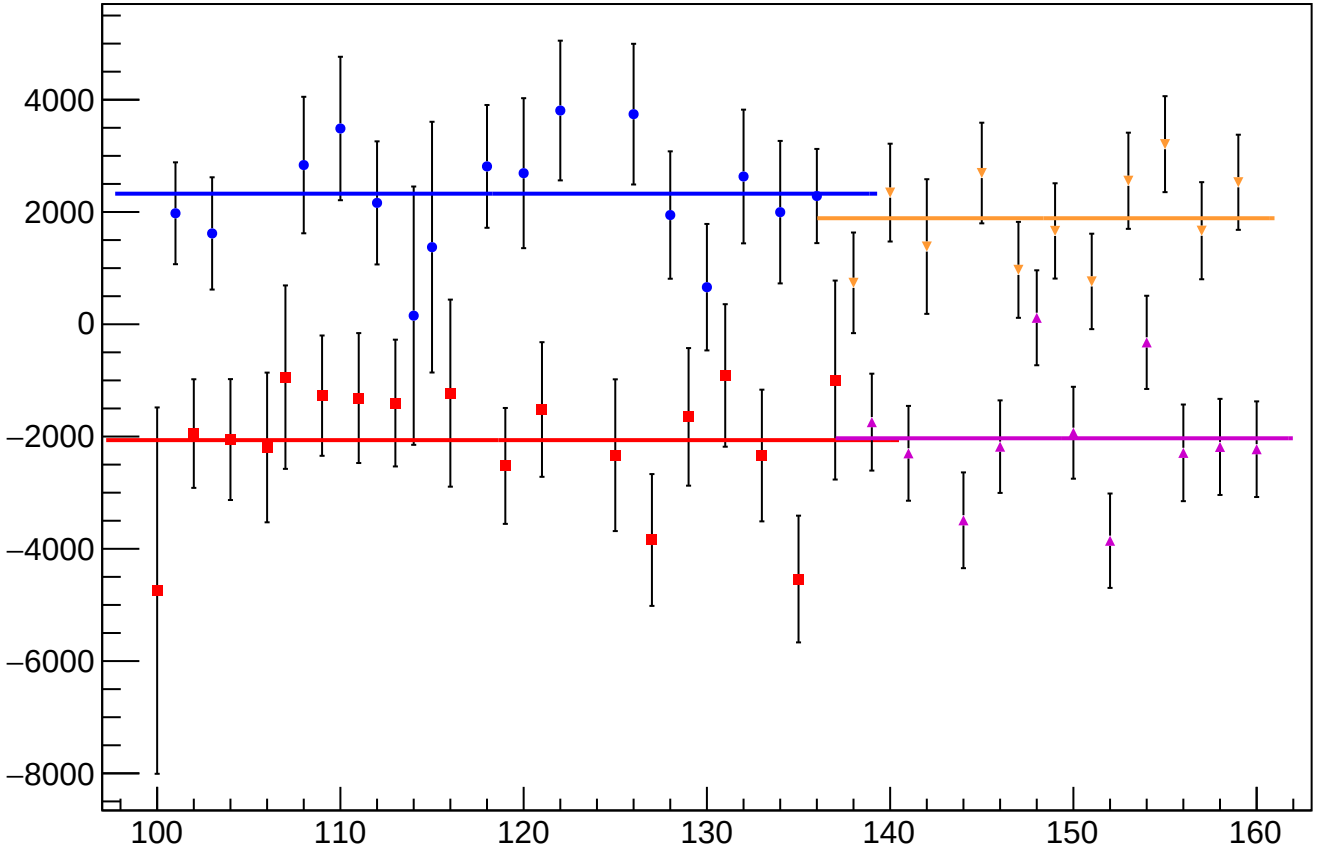
Left In: 1327.566+/-0.309 χ^2/NDF:583921.1/10

+ sign 1247.183+/-0.226 χ^2/NDF: 1270727.1/26

All: 1265.954+/-0.160 χ^2/NDF: 2306666.4/55

- 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: 1889.067+/-266.301 χ^2/NDF:9.5/10

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

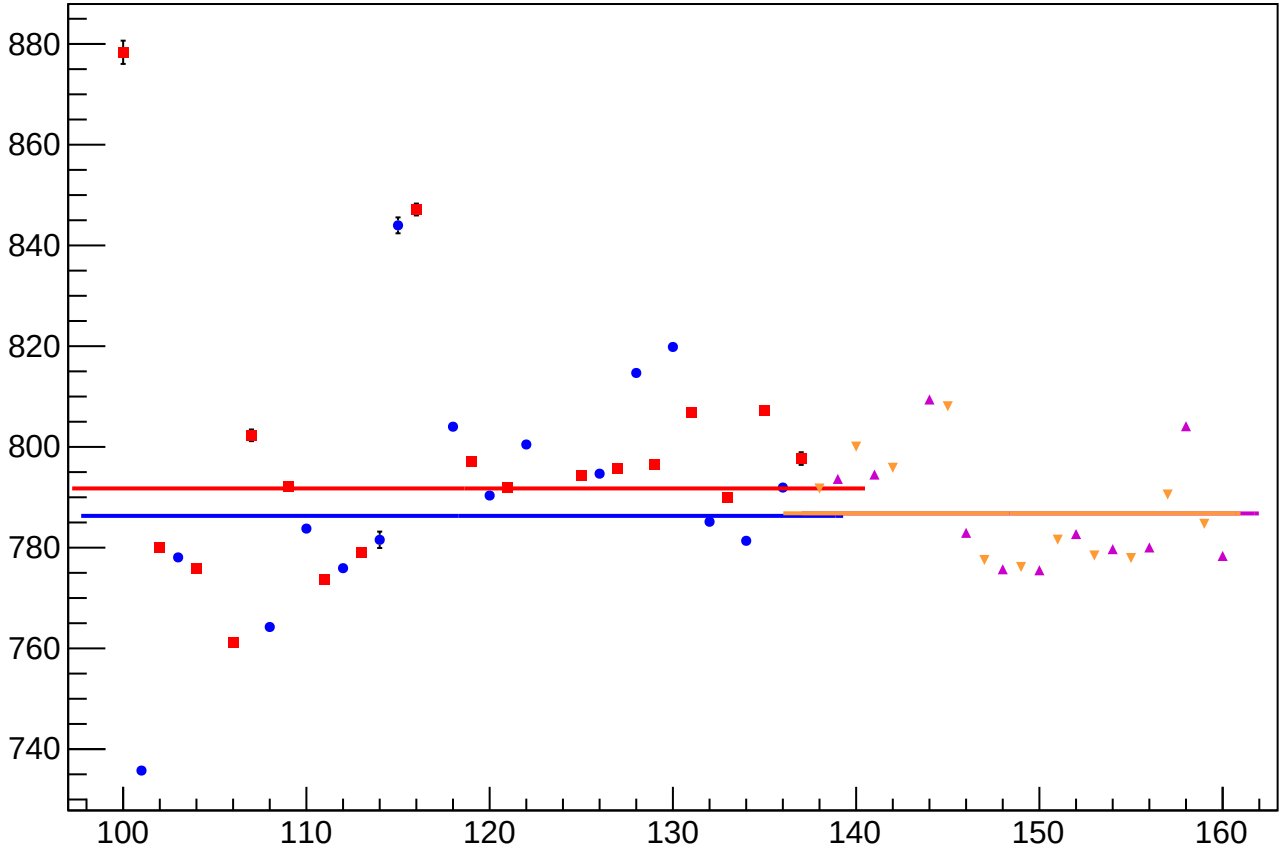
Left In: -2030.993+/-254.513 χ^2/NDF:18.8/10

+ sign 2087.528+/-196.816 χ^2/NDF: 18.9/26

All: -32.174+/-137.363 χ^2/NDF: 275.4/55

- 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: 786.823+/-0.188 χ^2/NDF:2841.3/10

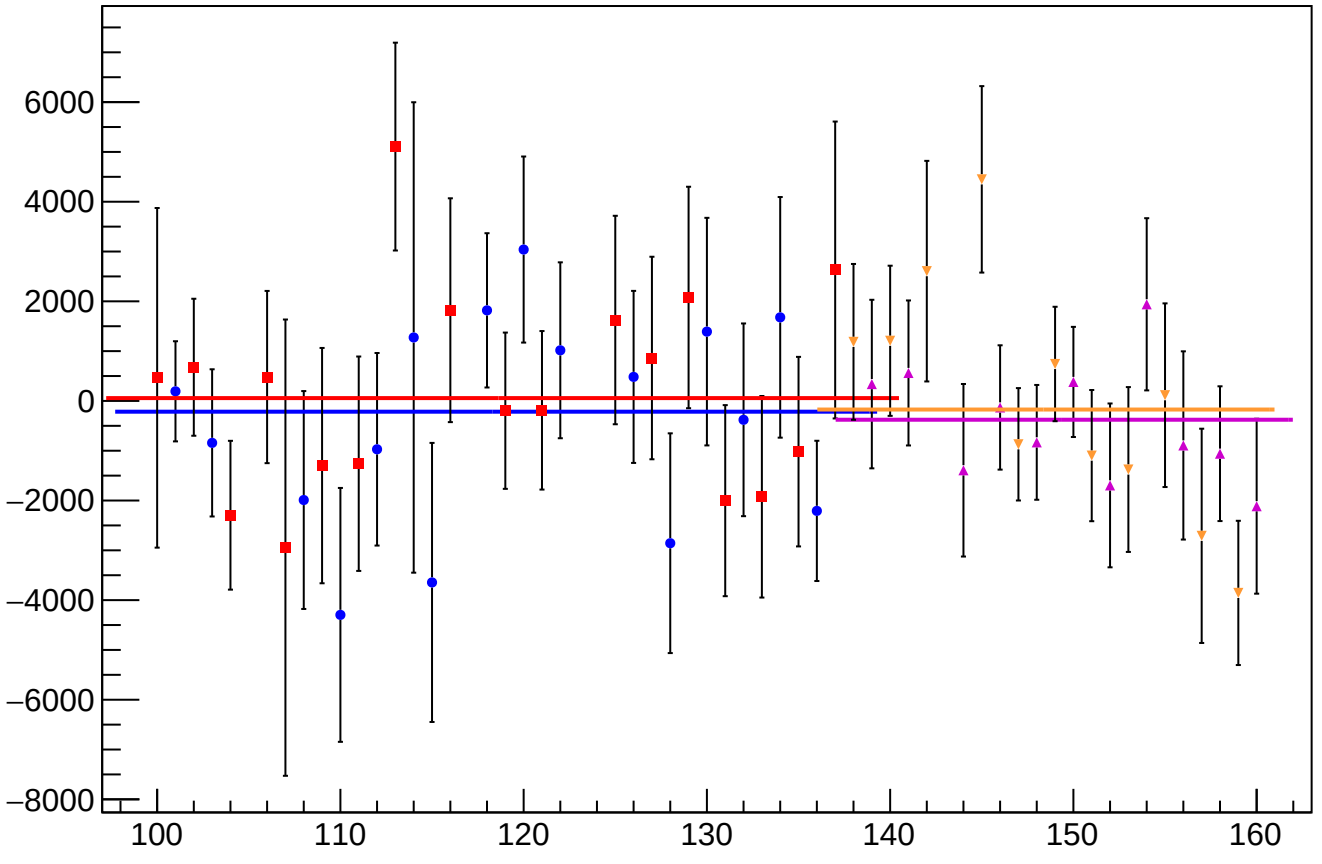
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

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

+ sign 786.590+/-0.139 χ^2/NDF: 15415.7/26

All: 787.794+/-0.097 χ^2/NDF: 26703.2/55

- 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: -172.760+/-456.005 χ^2/NDF:19.2/10

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

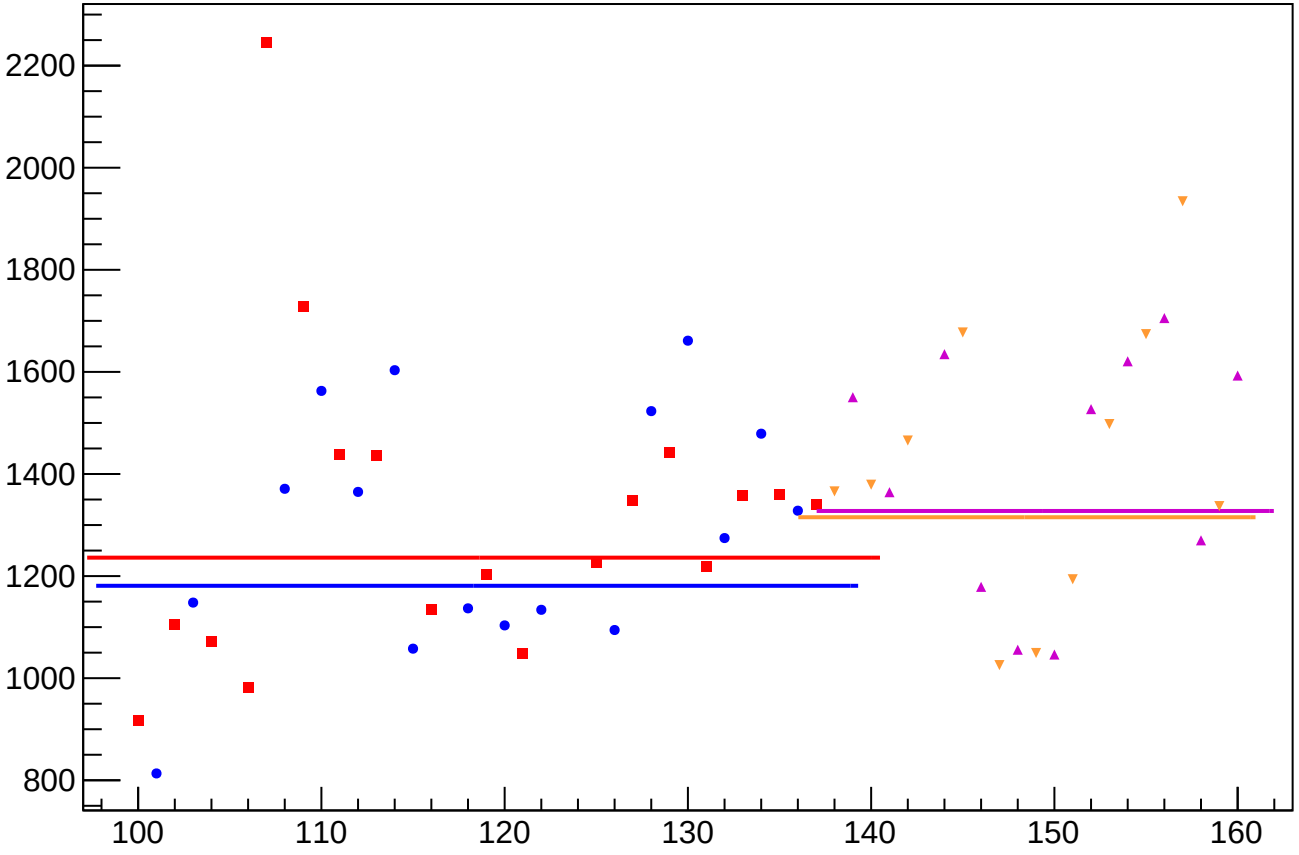
Left In: -377.583+/-437.649 χ^2/NDF:5.4/10

\+ sign -194.782+/-320.132 χ^2/NDF: 34.5/26

All: -183.867+/-225.740 χ^2/NDF: 55.4/55

\- 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: 1315.288+/-0.322 χ^2/NDF:611659.7/10

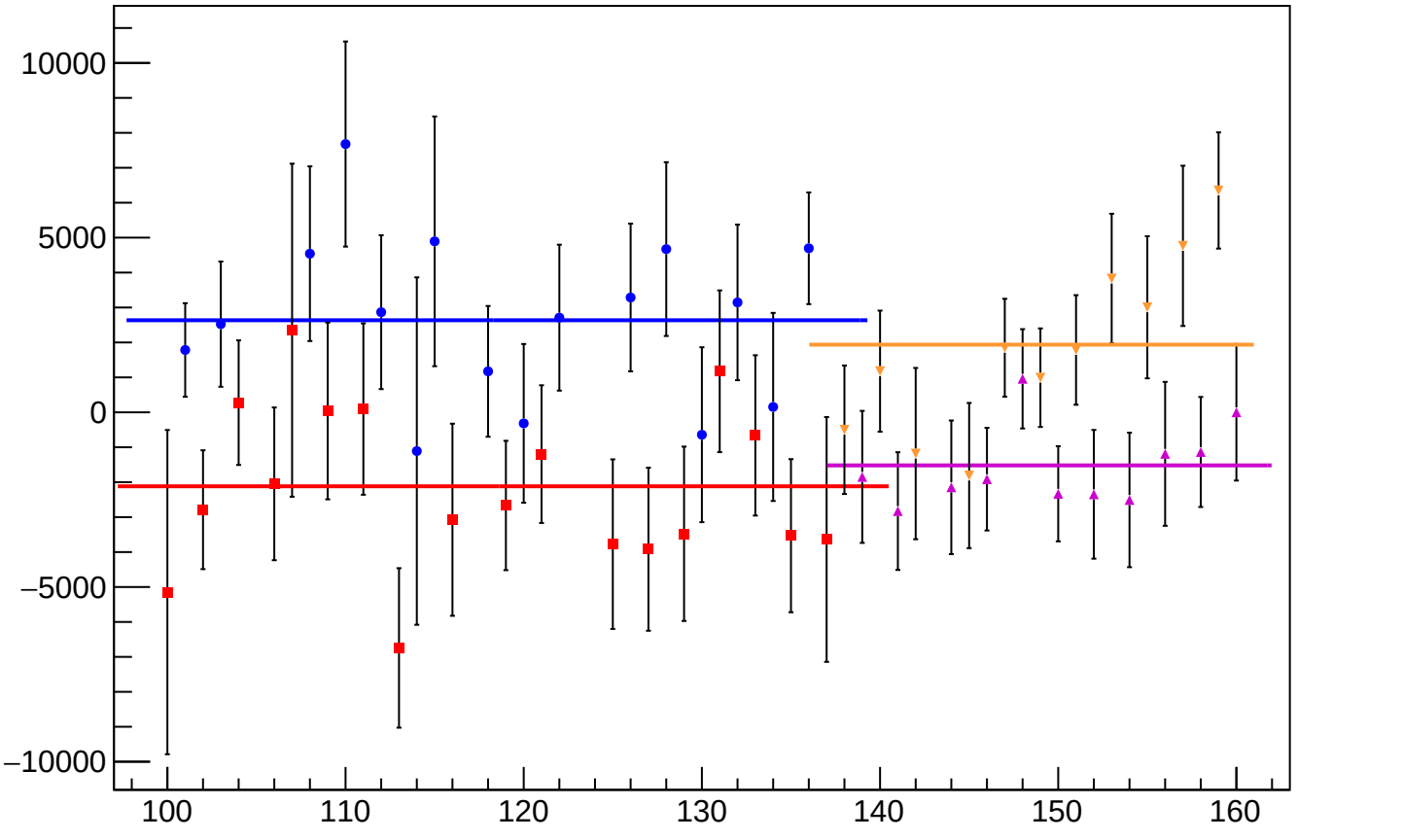
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

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

+ sign 1247.182+/-0.226 χ^2/NDF: 1270734.4/26

All: 1265.953+/-0.160 χ^2/NDF: 2306678.7/55

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



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

Left Out: 1936.556+/-532.264 χ^2/NDF:17.2/10

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

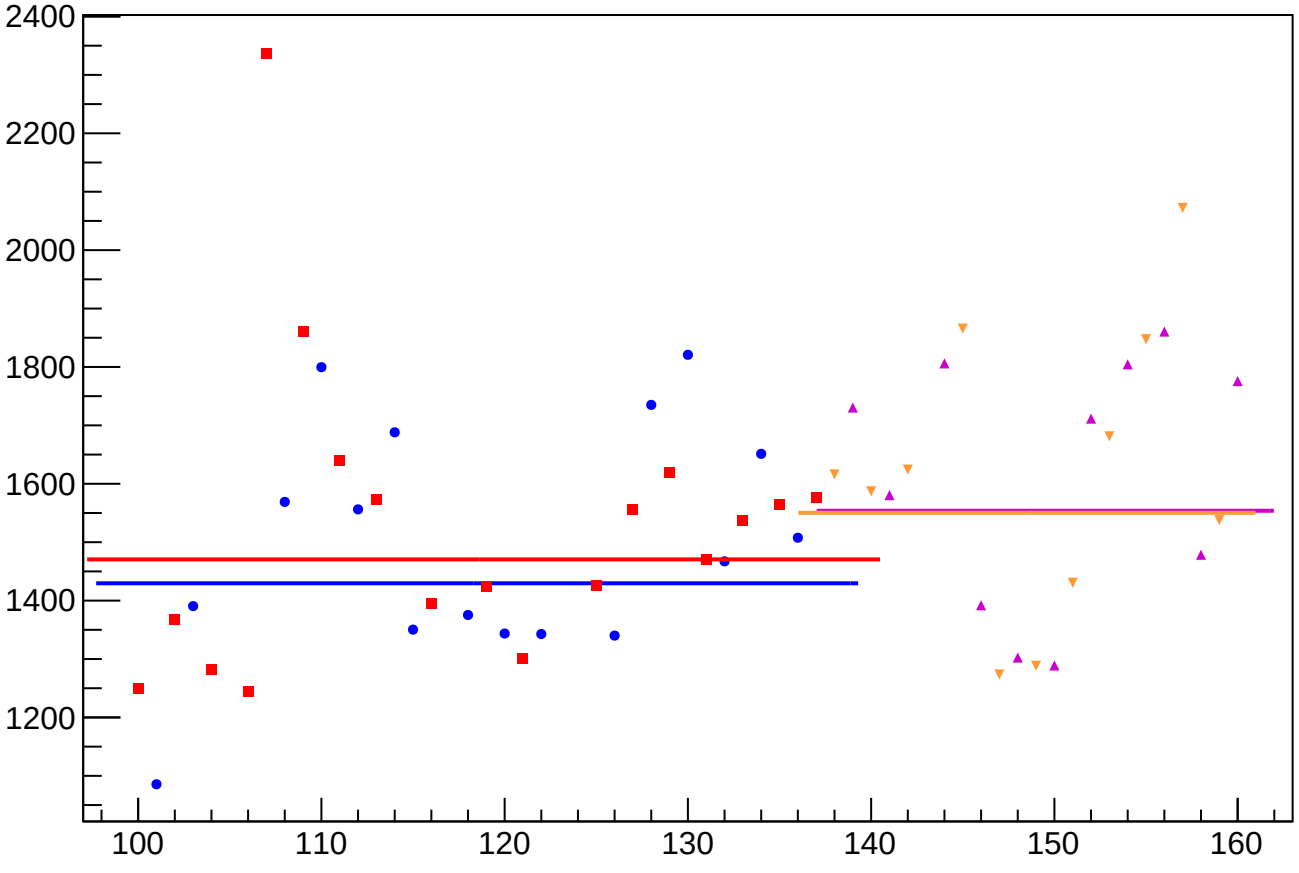
Left In: -1518.844+/-508.321 χ^2/NDF:5.4/10

+ sign 2282.209+/-378.391 χ^2/NDF: 30.3/26

All: 211.265+/-265.460 χ^2/NDF: 109.0/55

- 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: 1550.355+/-0.376 χ^2/NDF:366488.0/10

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

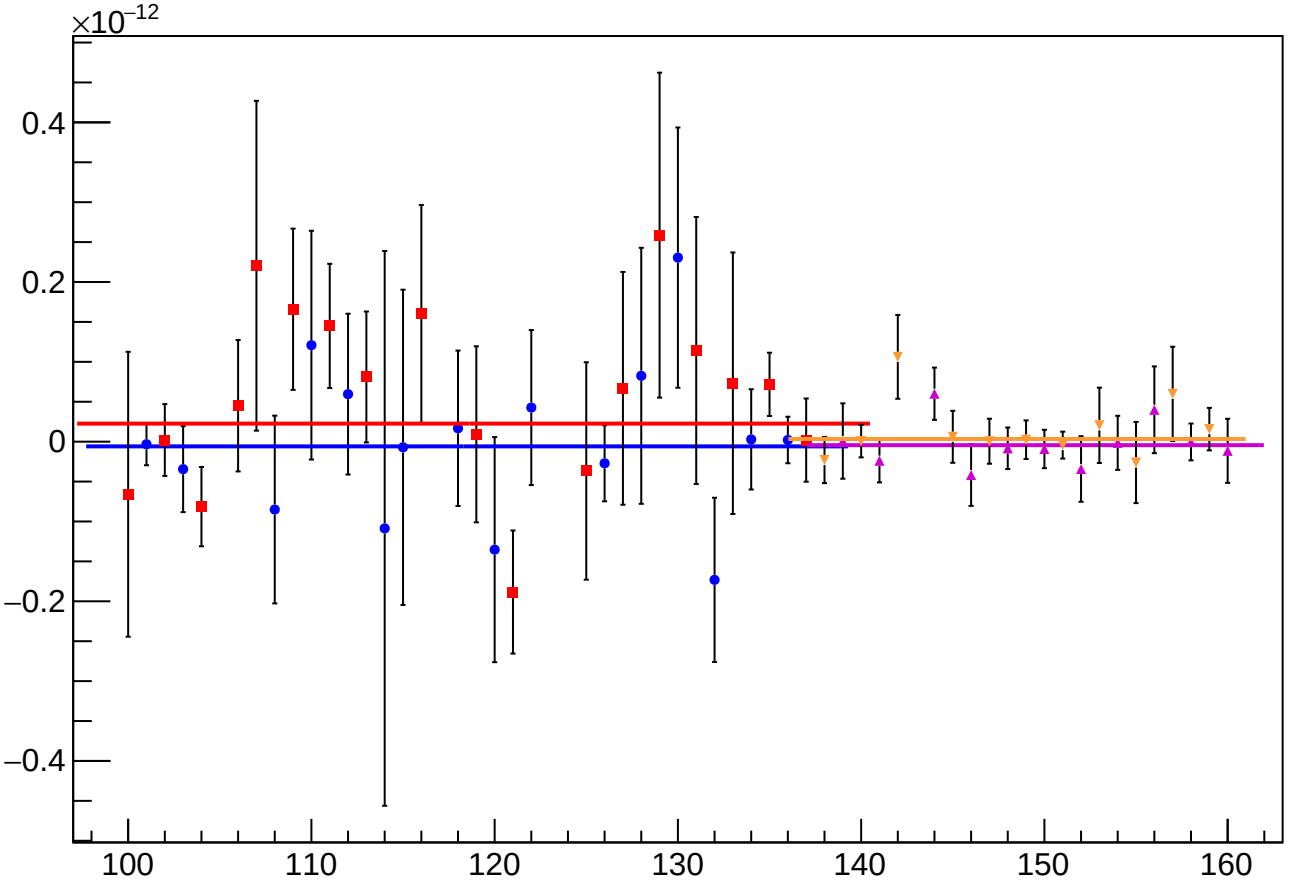
Left In: 1553.828+/-0.359 χ^2/NDF:338716.8/10

+ sign 1490.655+/-0.268 χ^2/NDF: 710746.1/26

All: 1503.160+/-0.188 χ^2/NDF: 1296674.5/55

- 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:6.5/10

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

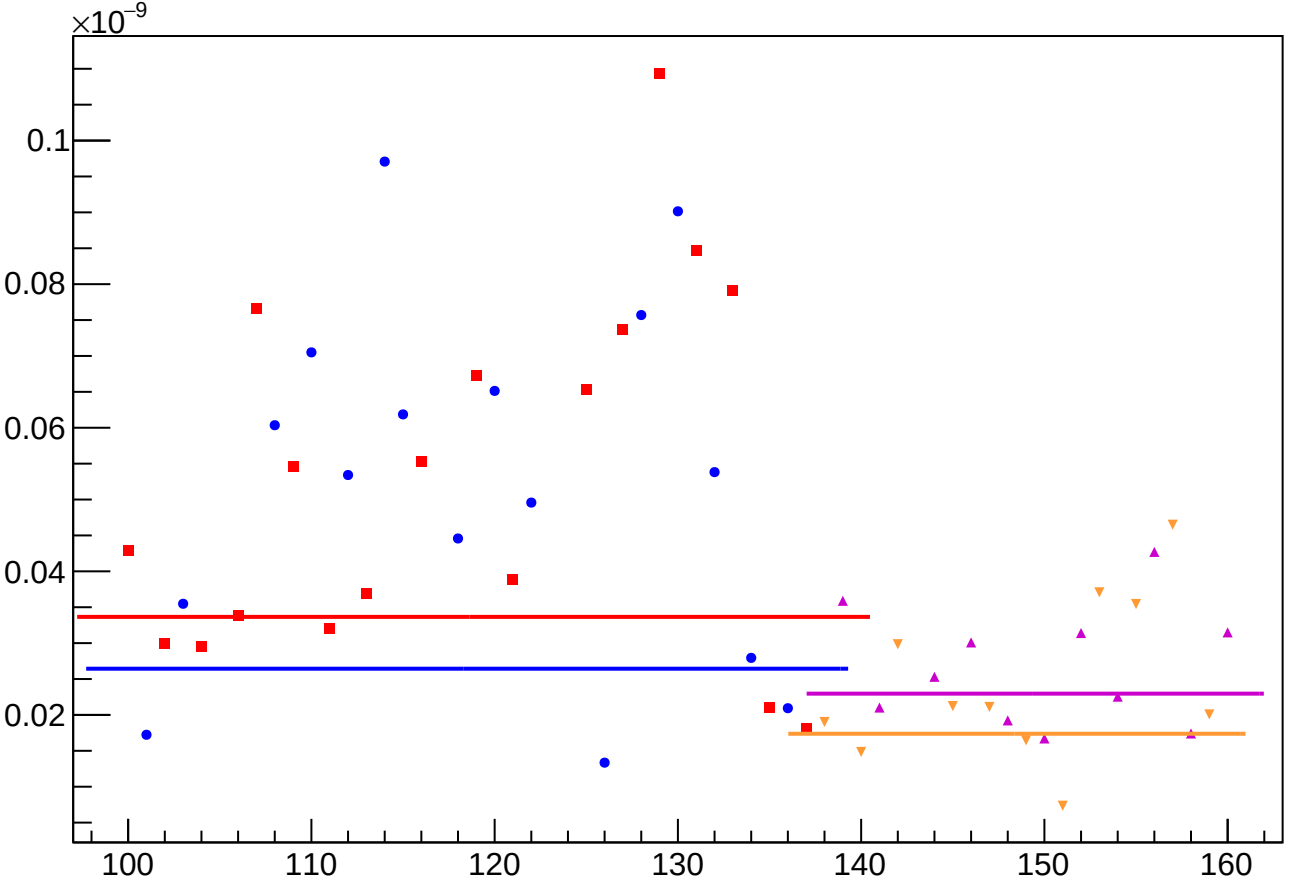
Left In: -0.000+/-0.000 χ^2/NDF:6.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 15.3/26

All: 0.000+/-0.000 χ^2/NDF: 46.8/55

- sign 0.000+/-0.000 χ^2/NDF: 31.5/28

asym_us_avg_reg_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:2029890.5/10

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

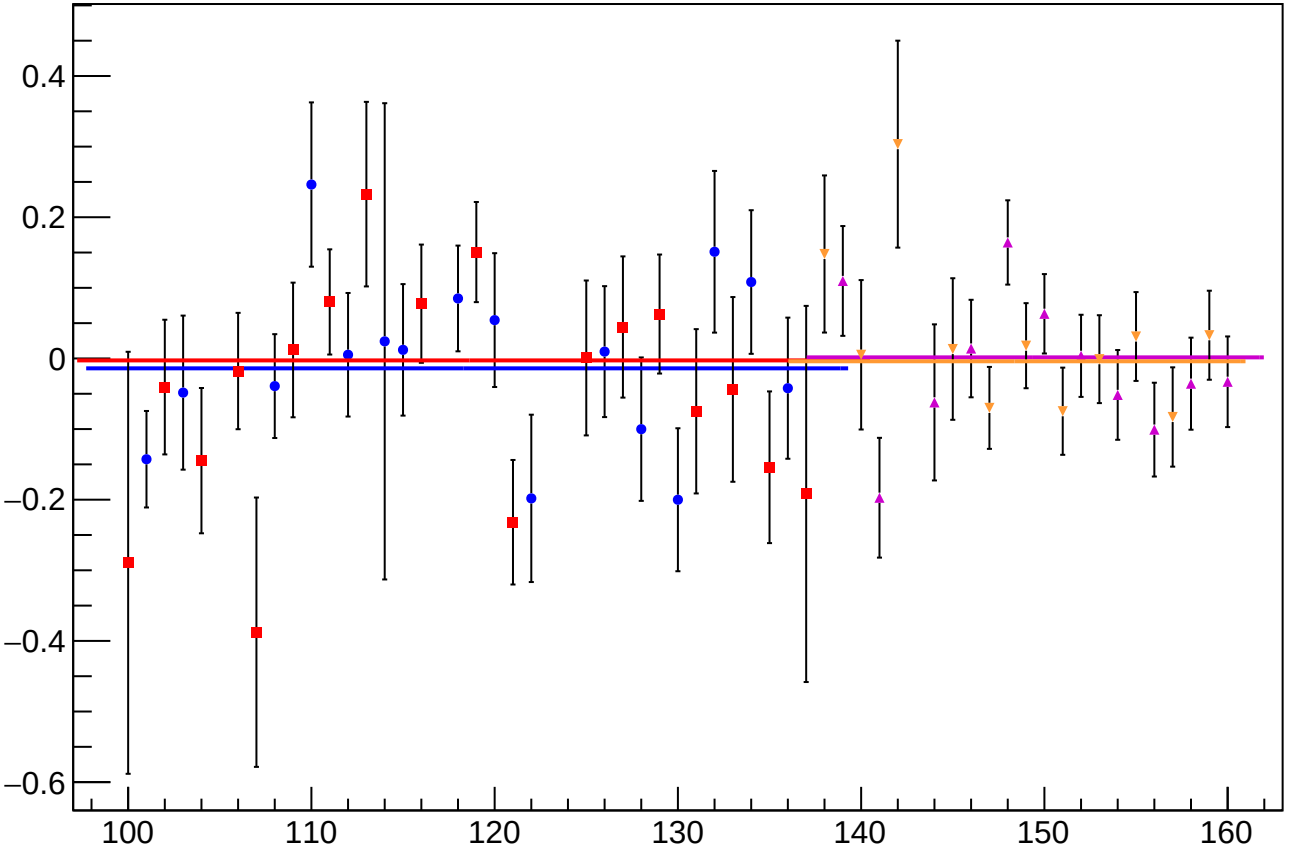
Left In: 0.000+/-0.000 χ^2/NDF:969468.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 4711674.5/26

All: 0.000+/-0.000 χ^2/NDF: 8456998.5/55

- sign 0.000+/-0.000 χ^2/NDF: 3222500.0/28

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.004+/-0.022 χ^2/NDF:11.0/10

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

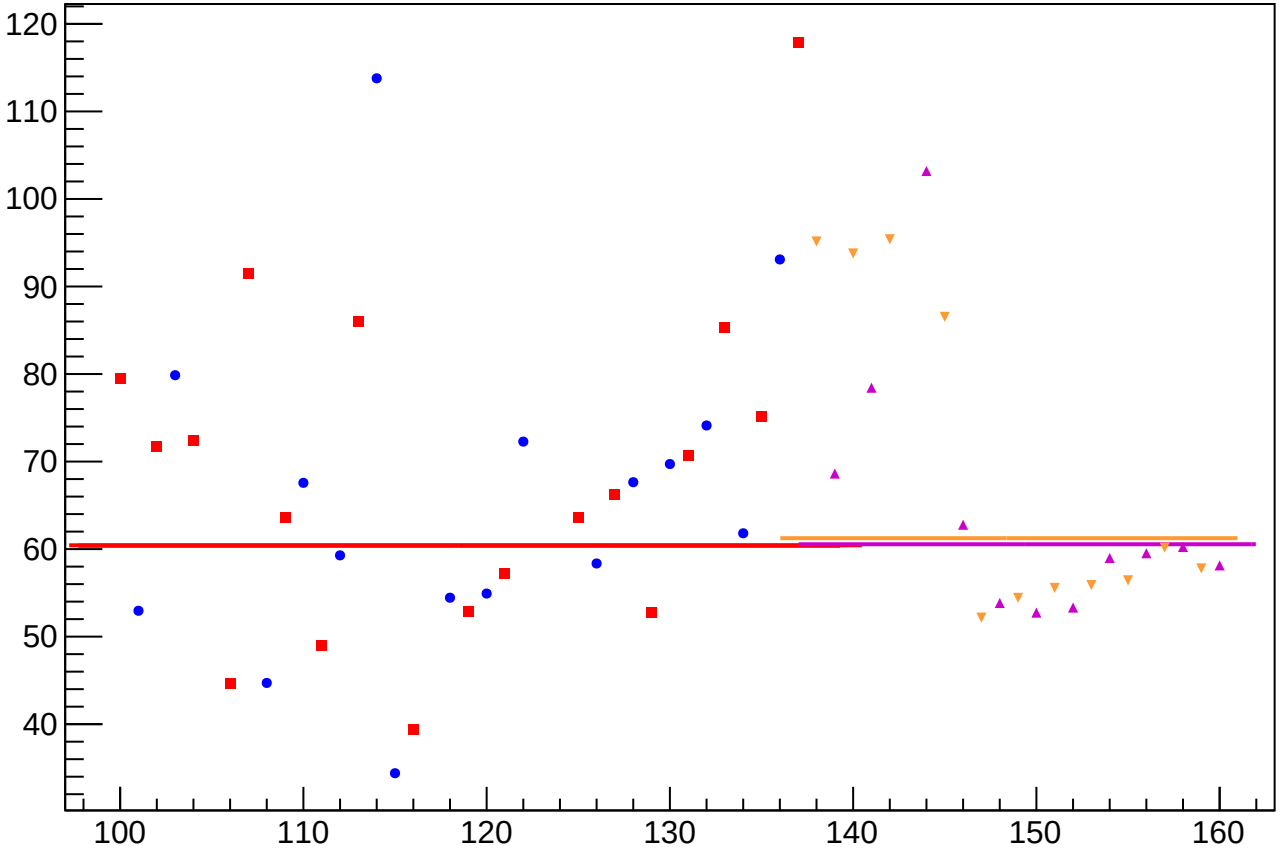
Left In: 0.002+/-0.020 χ^2/NDF:20.1/10

+ sign -0.009+/-0.016 χ^2/NDF: 32.4/26

All: -0.004+/-0.011 χ^2/NDF: 80.4/55

- 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: 61.247+/-0.015 χ^2/NDF:734998.3/10

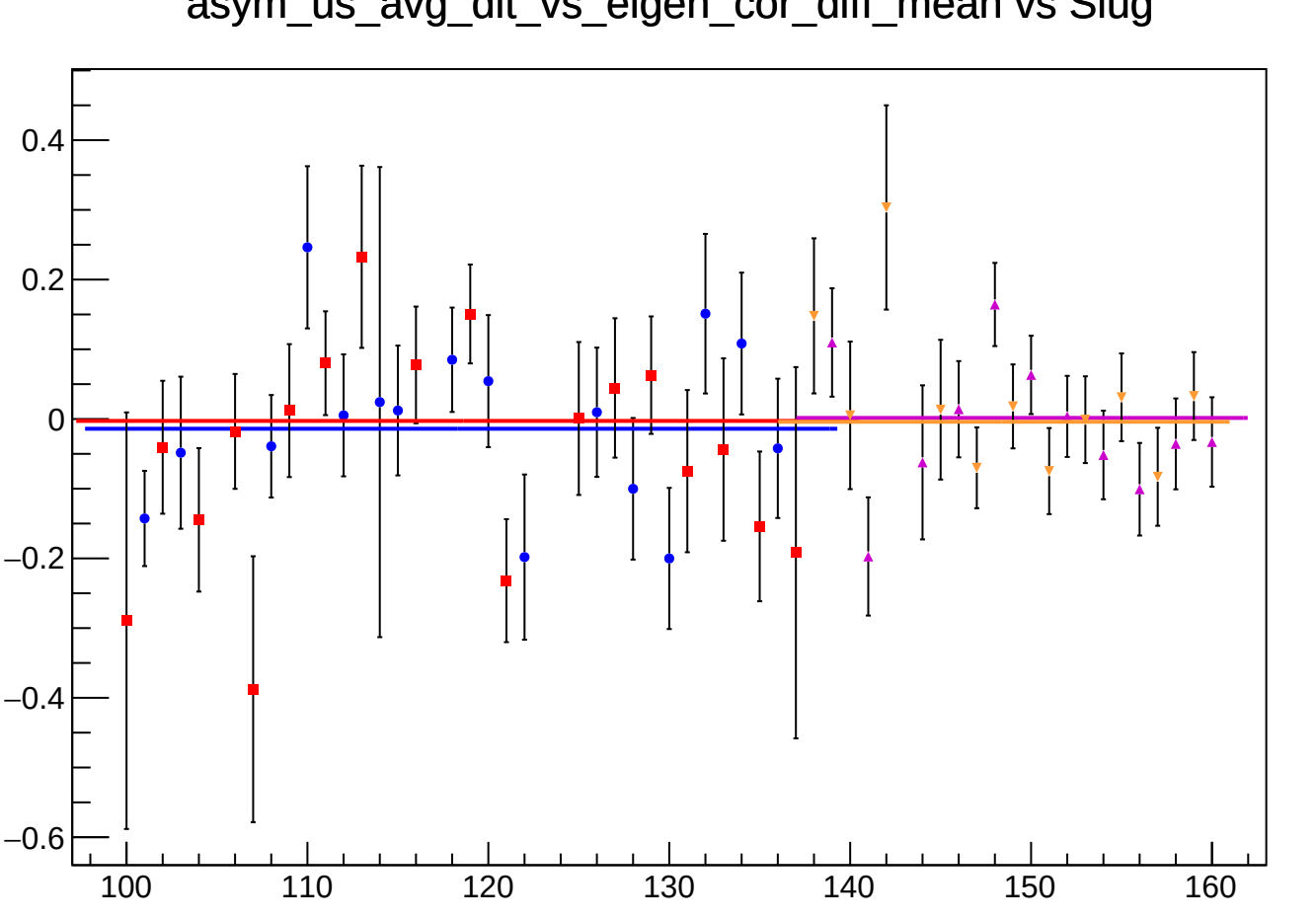
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

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

+ sign 60.862+/-0.011 χ^2/NDF: 1439533.1/26

All: 60.676+/-0.008 χ^2/NDF: 2660859.0/55

- 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: -0.004+/-0.022 χ^2/NDF:11.0/10

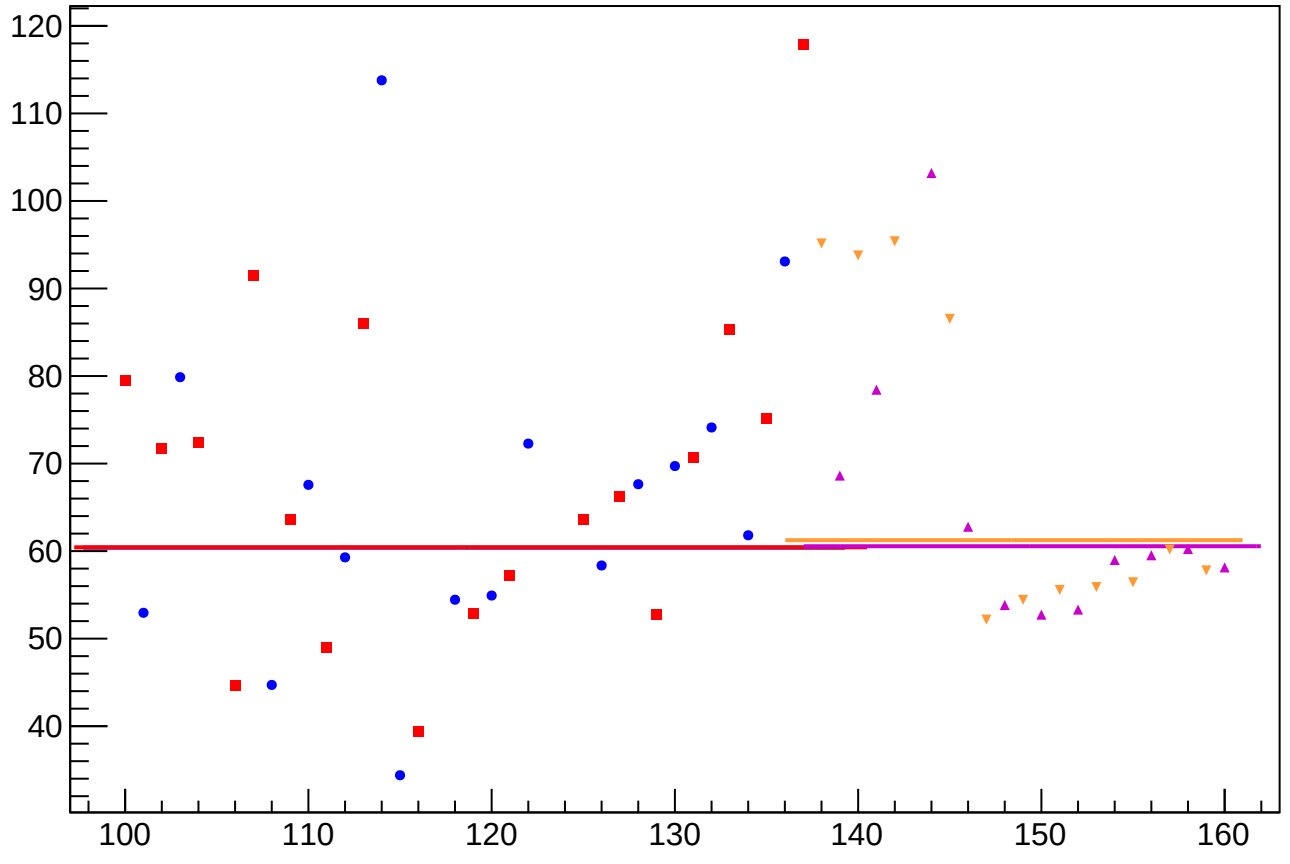
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

+ sign -0.009+/-0.016 χ^2/NDF: 32.4/26

All: -0.004+/-0.011 χ^2/NDF: 80.4/55

- 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: 61.247+/-0.015 χ^2/NDF:734998.3/10

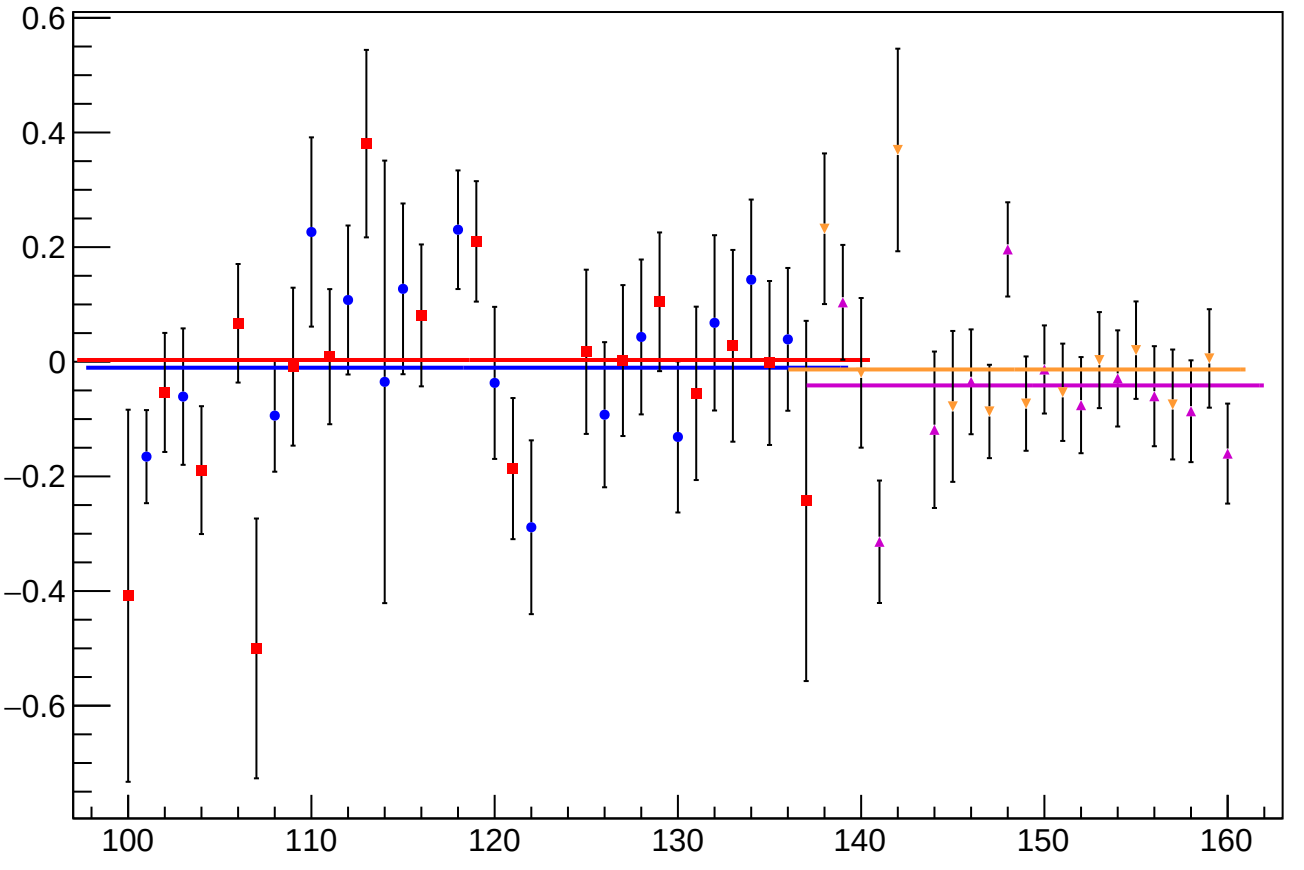
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

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

+ sign 60.862+/-0.011 χ^2/NDF: 1439533.1/26

All: 60.676+/-0.008 χ^2/NDF: 2660859.0/55

- 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: -0.013+/-0.029 χ^2/NDF:10.6/10

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

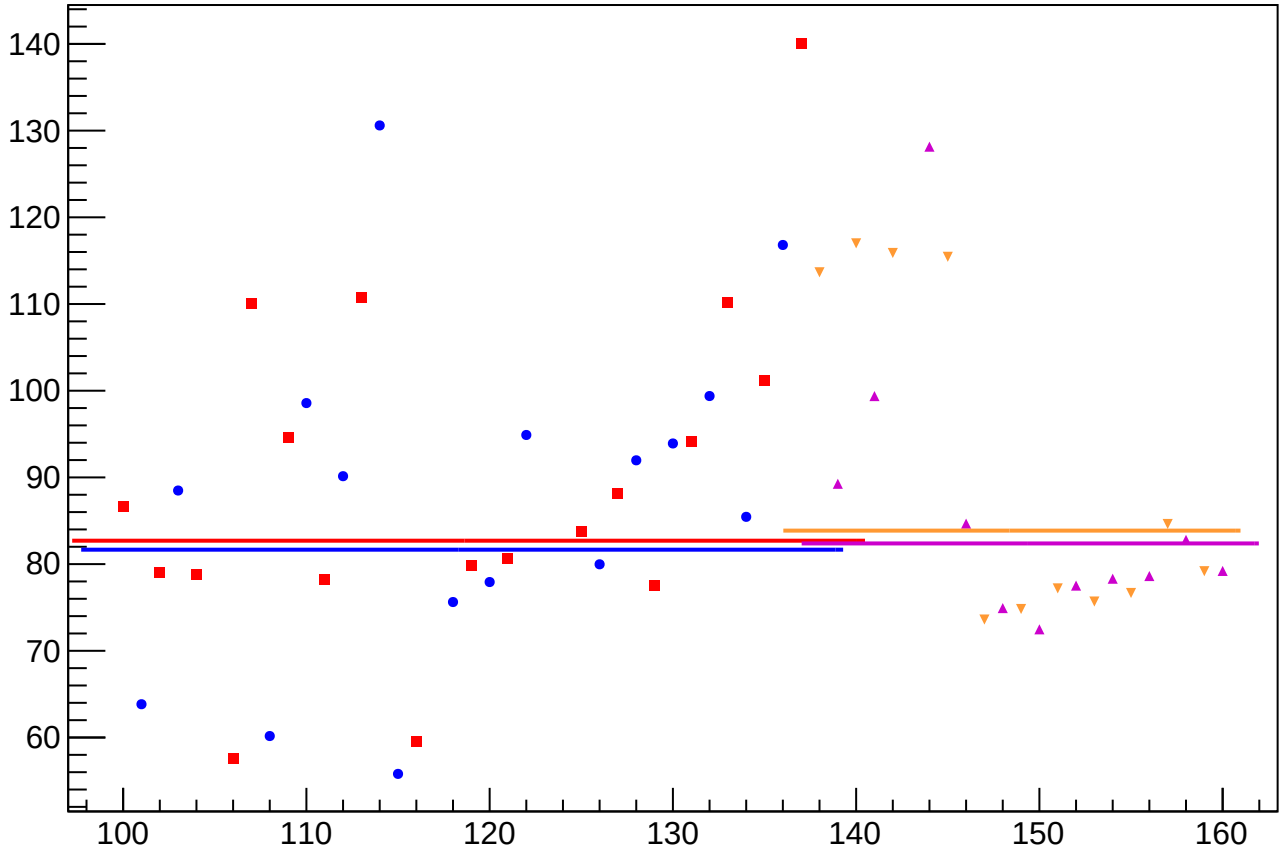
Left In: -0.041+/-0.027 χ^2/NDF:19.8/10

+ sign -0.012+/-0.021 χ^2/NDF: 30.8/26

All: -0.017+/-0.015 χ^2/NDF: 75.5/55

- 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: 83.864+/-0.021 χ^2/NDF:520052.7/10

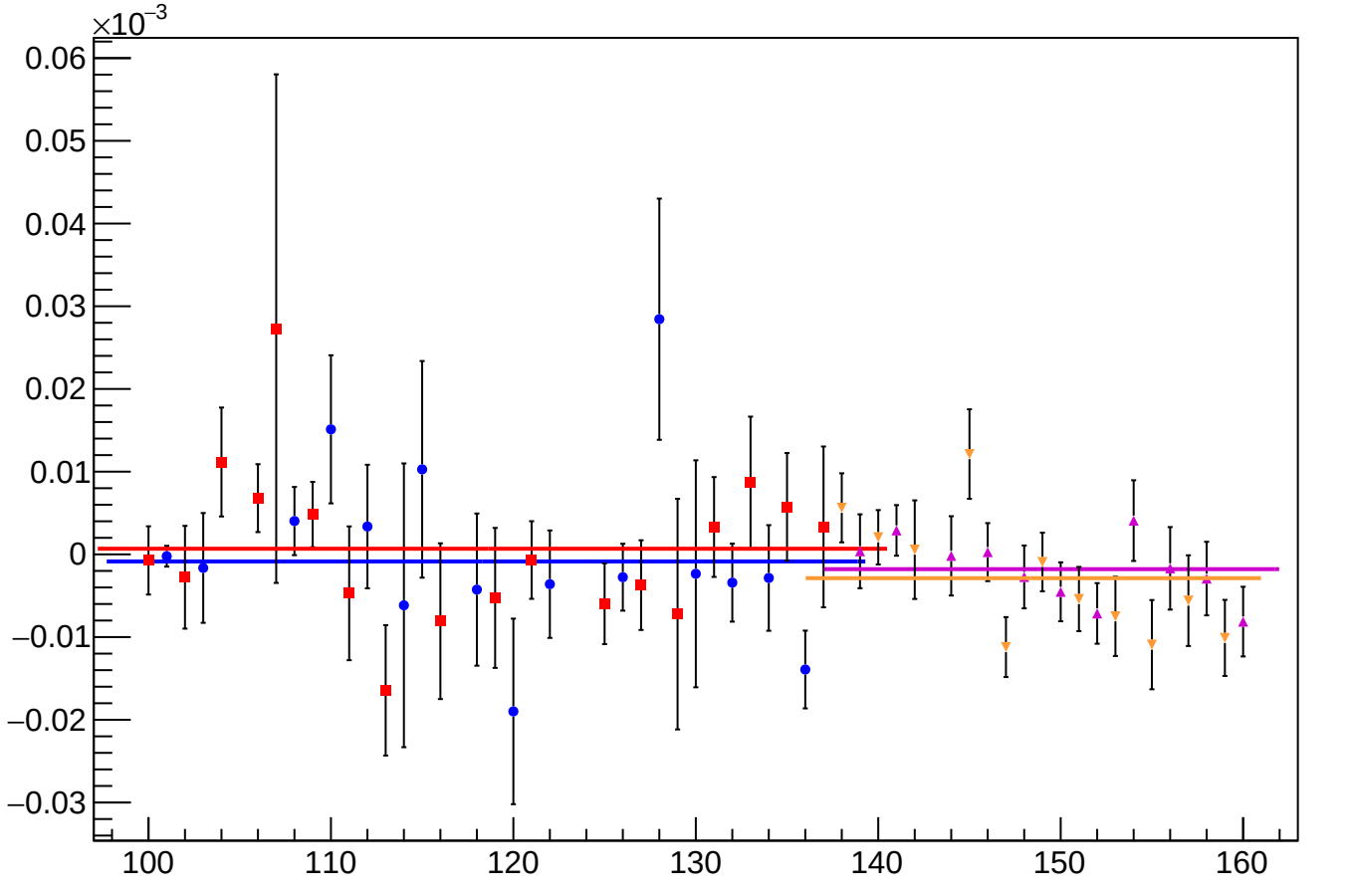
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

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

+ sign 82.849+/-0.015 χ^2/NDF: 1087119.6/26

All: 82.677+/-0.011 χ^2/NDF: 1914297.1/55

- 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:26.3/10

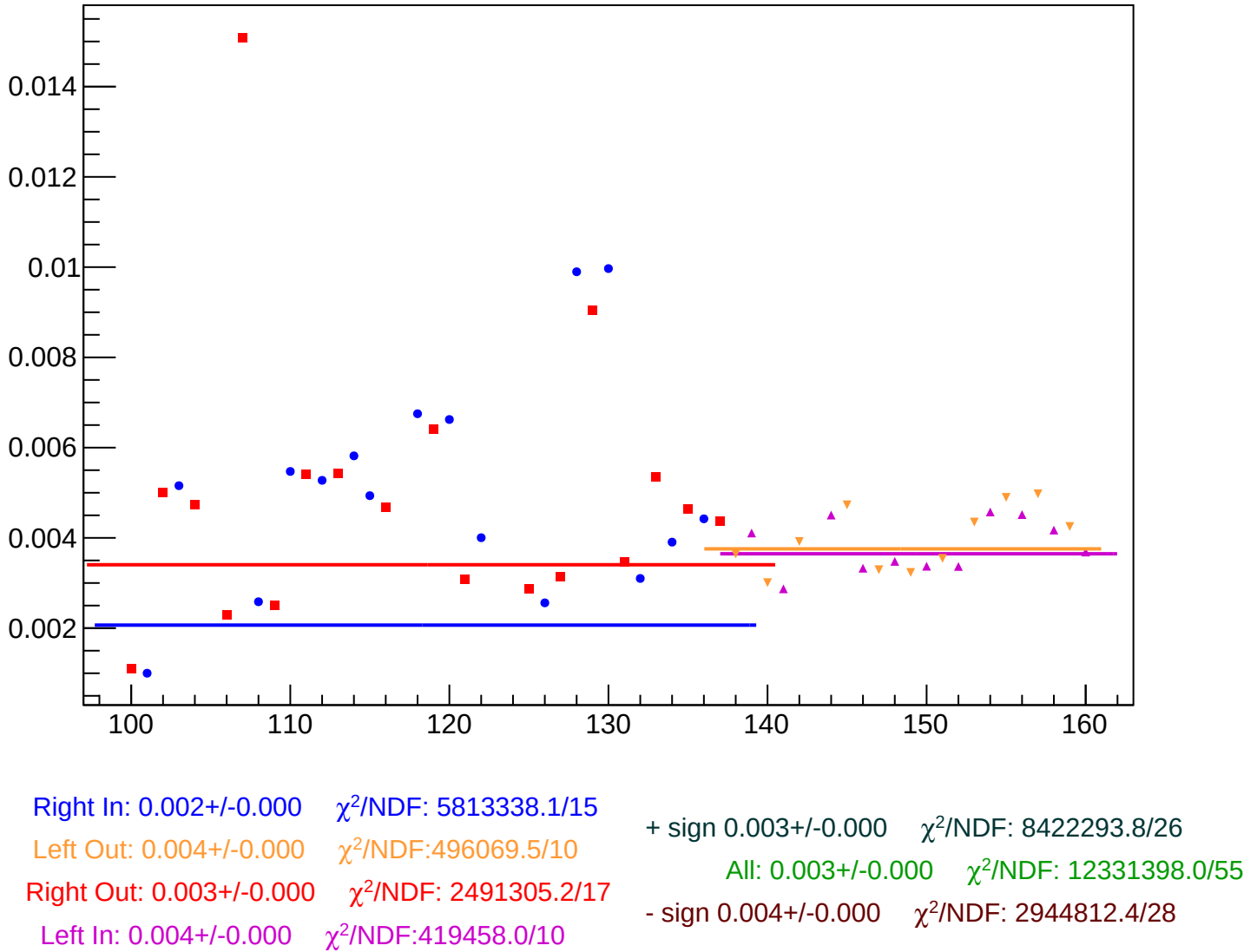
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/17

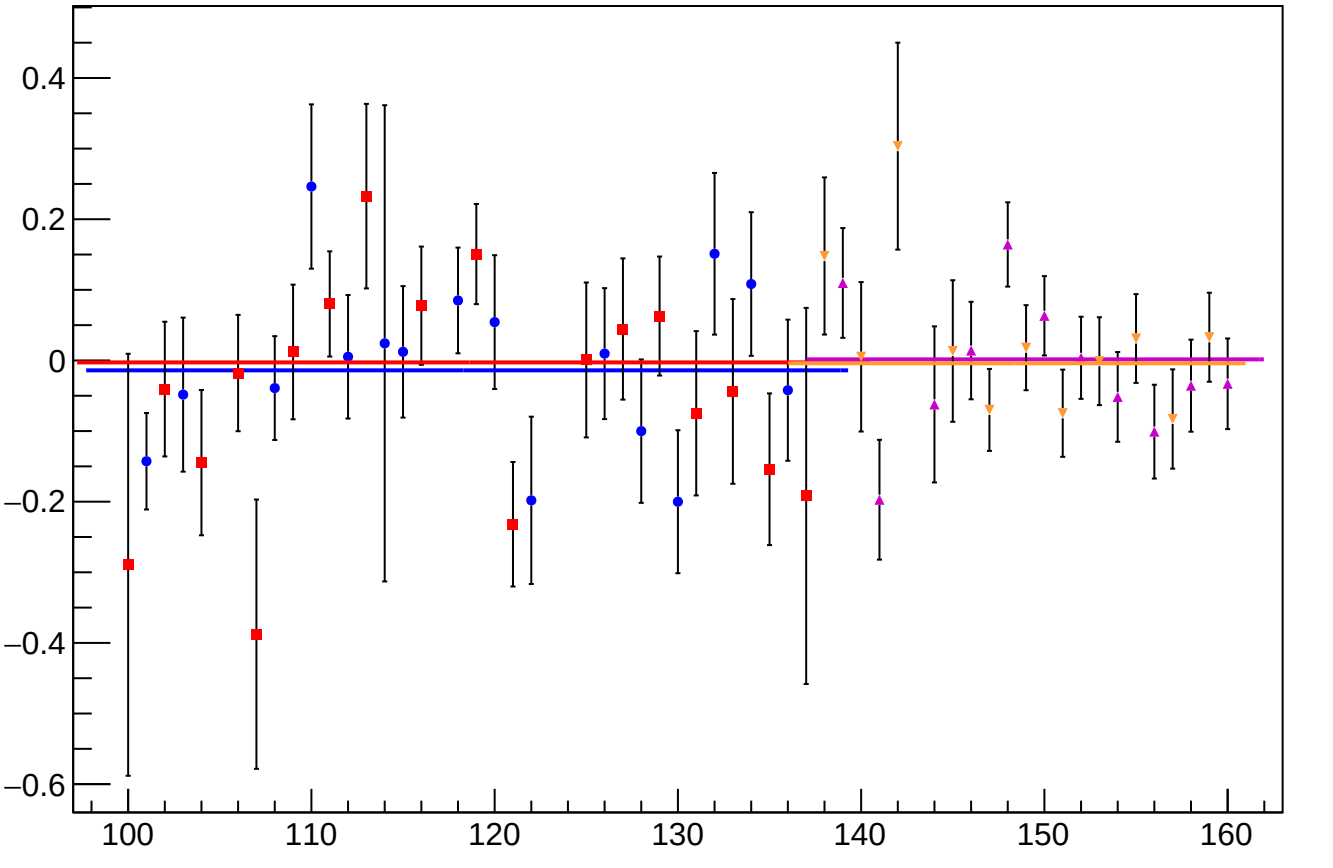
Left In: -0.000+/-0.000 χ^2/NDF:9.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 49.1/26

All: -0.000+/-0.000 χ^2/NDF: 79.3/55

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


asym_us_avg_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: 0.002+/-0.000 χ²/NDF: 5813338.1/15
Left Out: 0.004+/-0.000 χ²/NDF:496069.5/10
Right Out: 0.003+/-0.000 χ²/NDF: 2491305.2/17
Left In: 0.004+/-0.000 χ²/NDF:419458.0/10
+ sign 0.003+/-0.000 χ²/NDF: 8422293.8/26
All: 0.003+/-0.000 χ²/NDF: 12331398.0/55
- sign 0.004+/-0.000 χ²/NDF: 2944812.4/28



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

Left Out: -0.004+/-0.022 χ^2/NDF:11.0/10

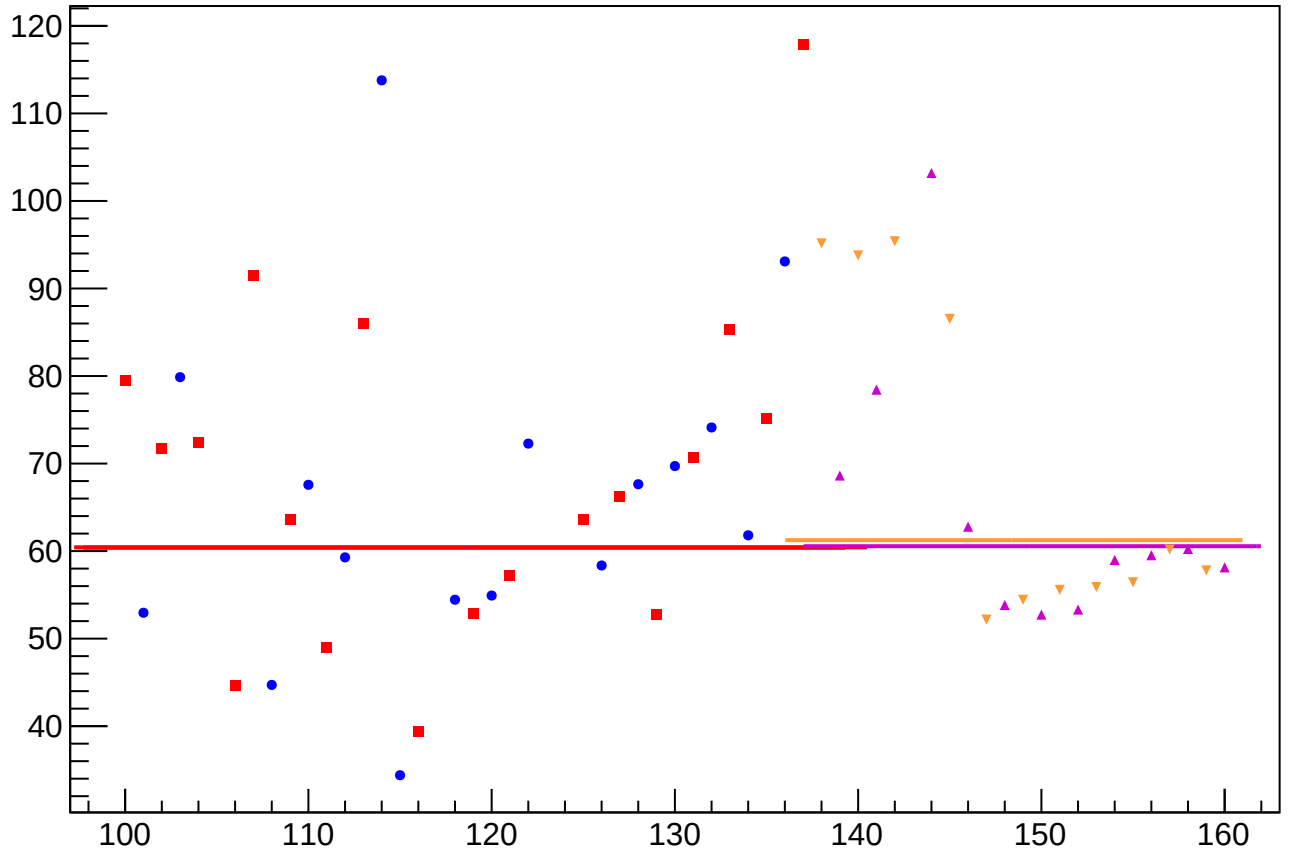
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

+ sign -0.009+/-0.016 χ^2/NDF: 32.4/26

All: -0.004+/-0.011 χ^2/NDF: 80.4/55

- 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: 61.247+/-0.015 χ^2/NDF:734990.8/10

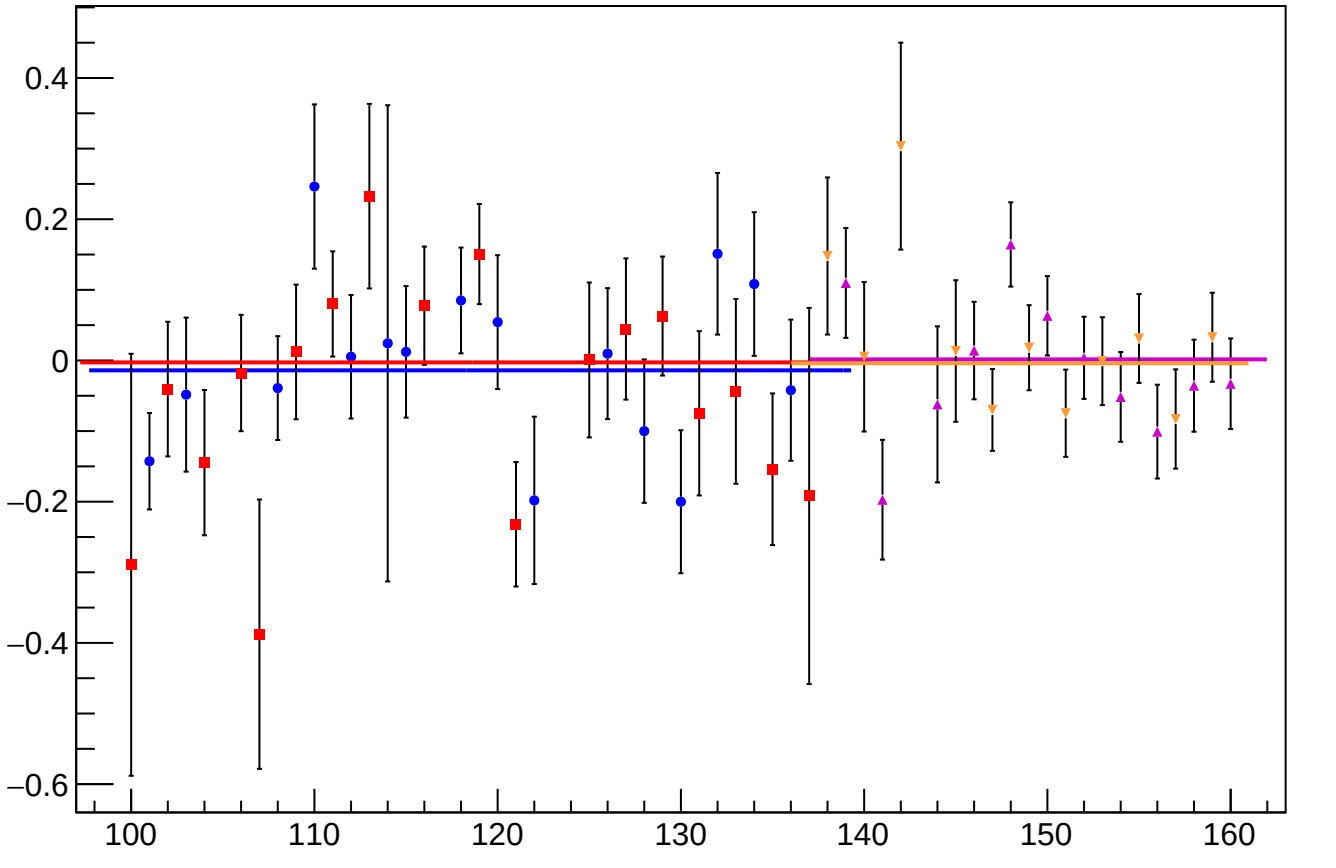
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

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

+ sign 60.862+/-0.011 χ^2/NDF: 1439543.3/26

All: 60.676+/-0.008 χ^2/NDF: 2660895.8/55

- 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: -0.004+/-0.022 χ^2/NDF:11.0/10

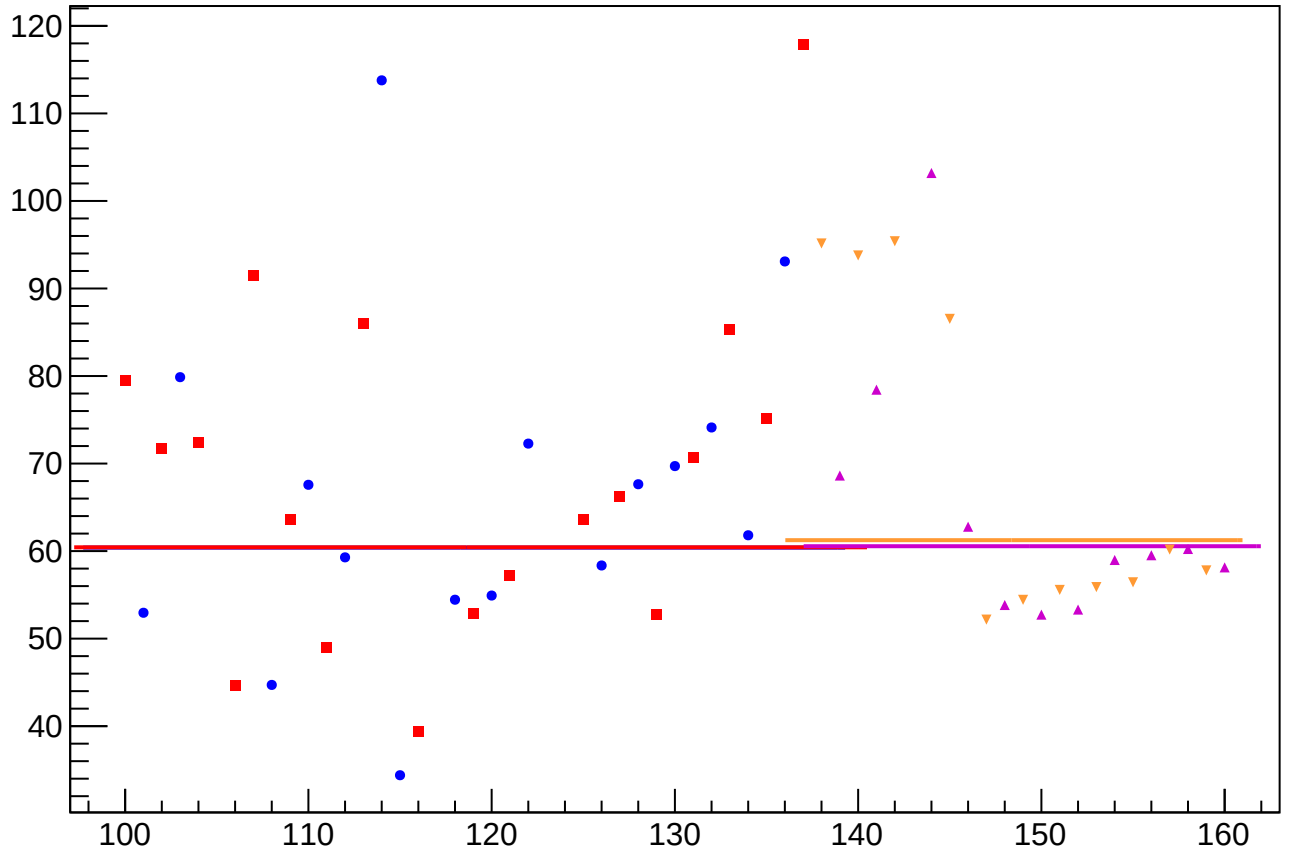
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

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

+ sign -0.009+/-0.016 χ^2/NDF: 32.4/26

All: -0.004+/-0.011 χ^2/NDF: 80.4/55

- 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: 61.247+/-0.015 χ^2/NDF:734990.8/10

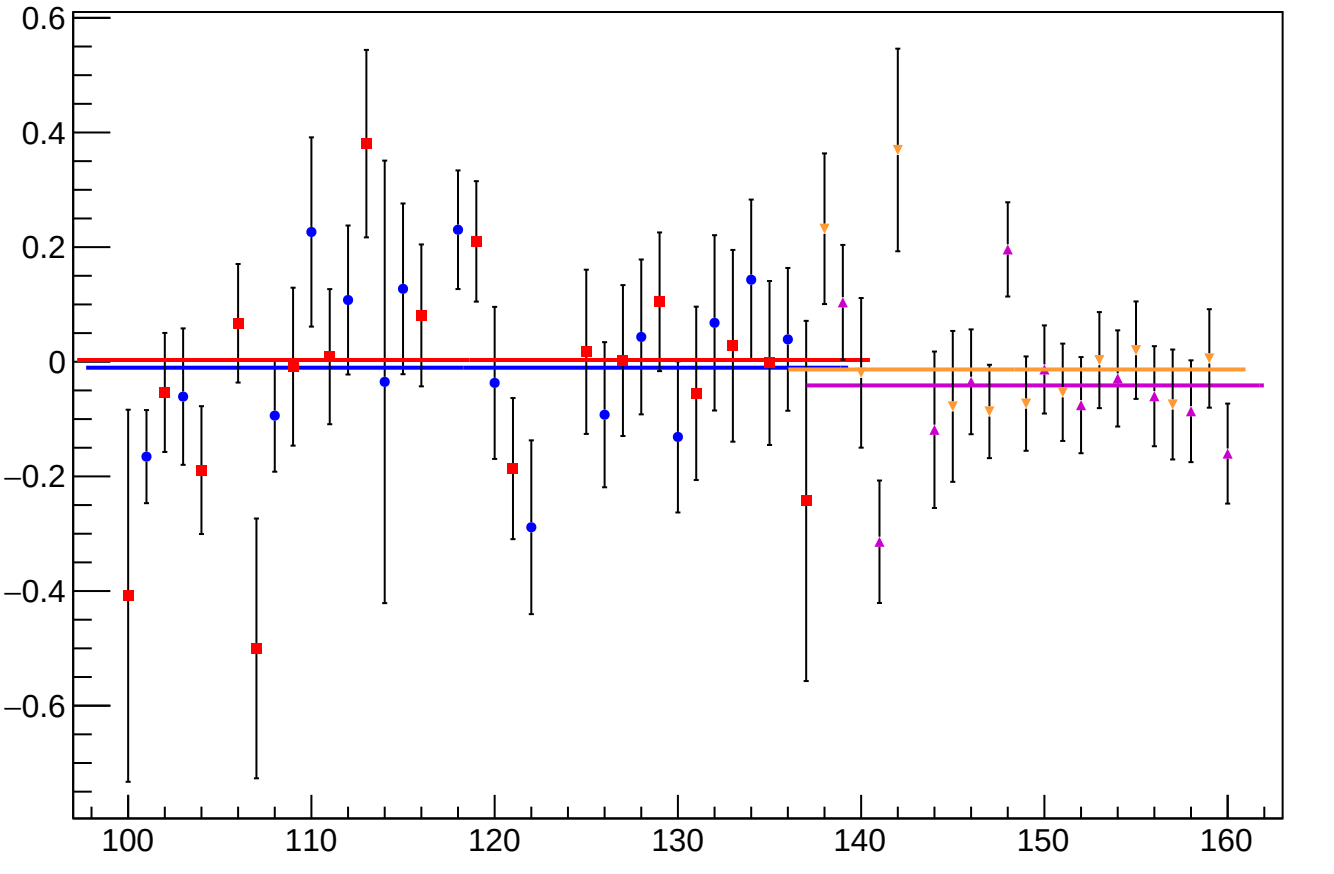
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

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

+ sign 60.862+/-0.011 χ^2/NDF: 1439543.3/26

All: 60.676+/-0.008 χ^2/NDF: 2660895.8/55

- 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: -0.013+/-0.029 χ^2/NDF:10.6/10

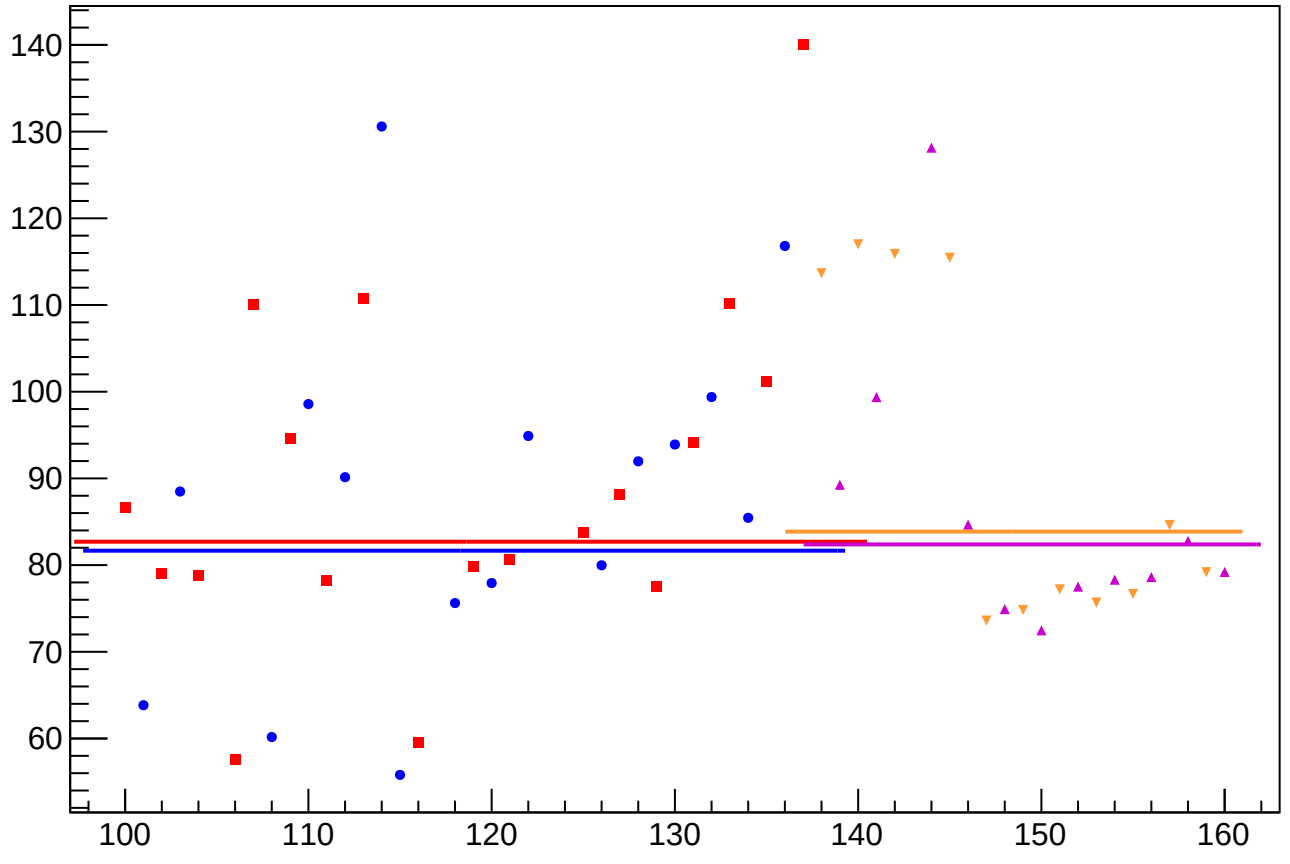
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

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

+ sign -0.012+/-0.021 χ^2/NDF: 30.8/26

All: -0.017+/-0.015 χ^2/NDF: 75.5/55

- 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: 83.864+/-0.021 χ^2/NDF:520048.8/10

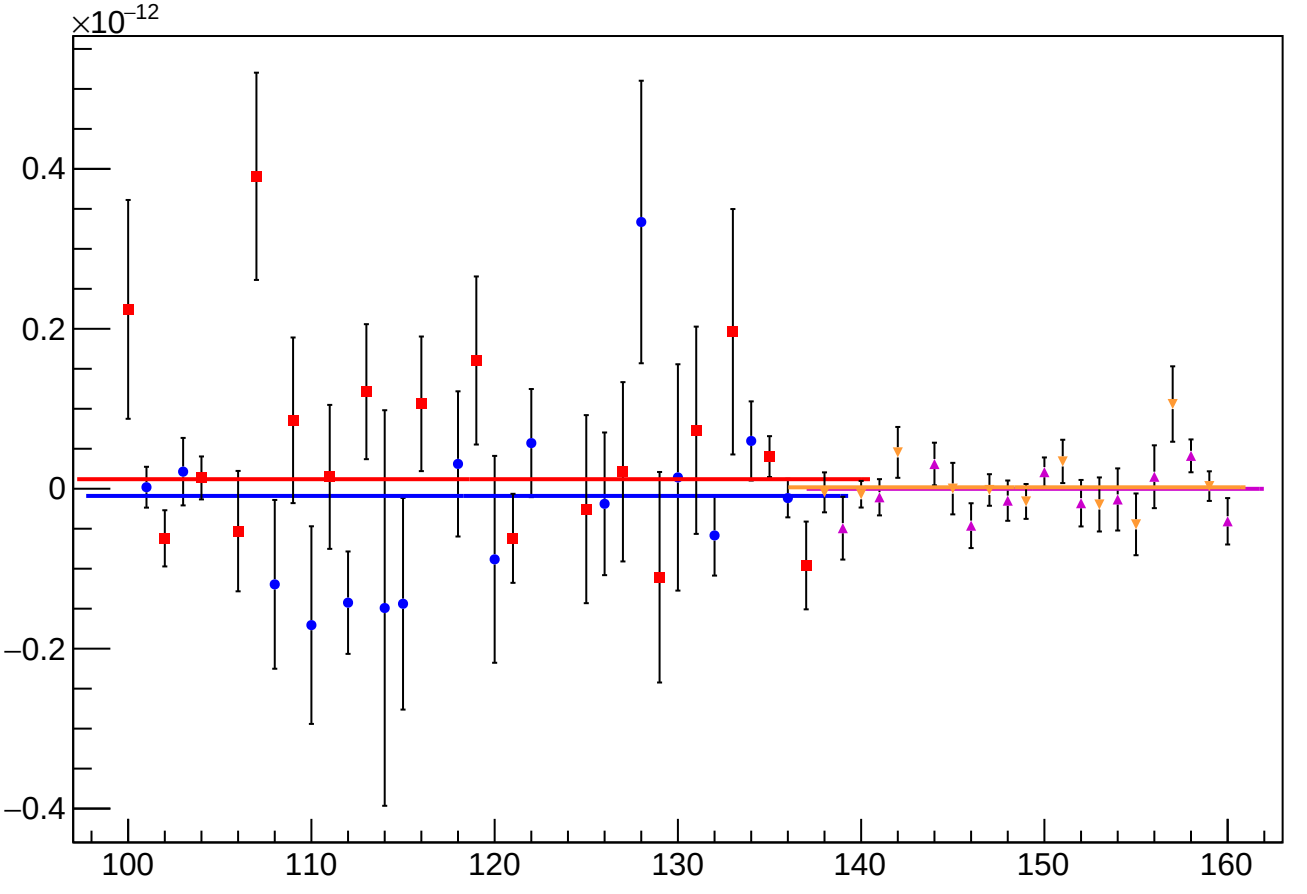
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

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

+ sign 82.848+/-0.015 χ^2/NDF: 1087108.2/26

All: 82.677+/-0.011 χ^2/NDF: 1914281.4/55

- 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:11.1/10

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

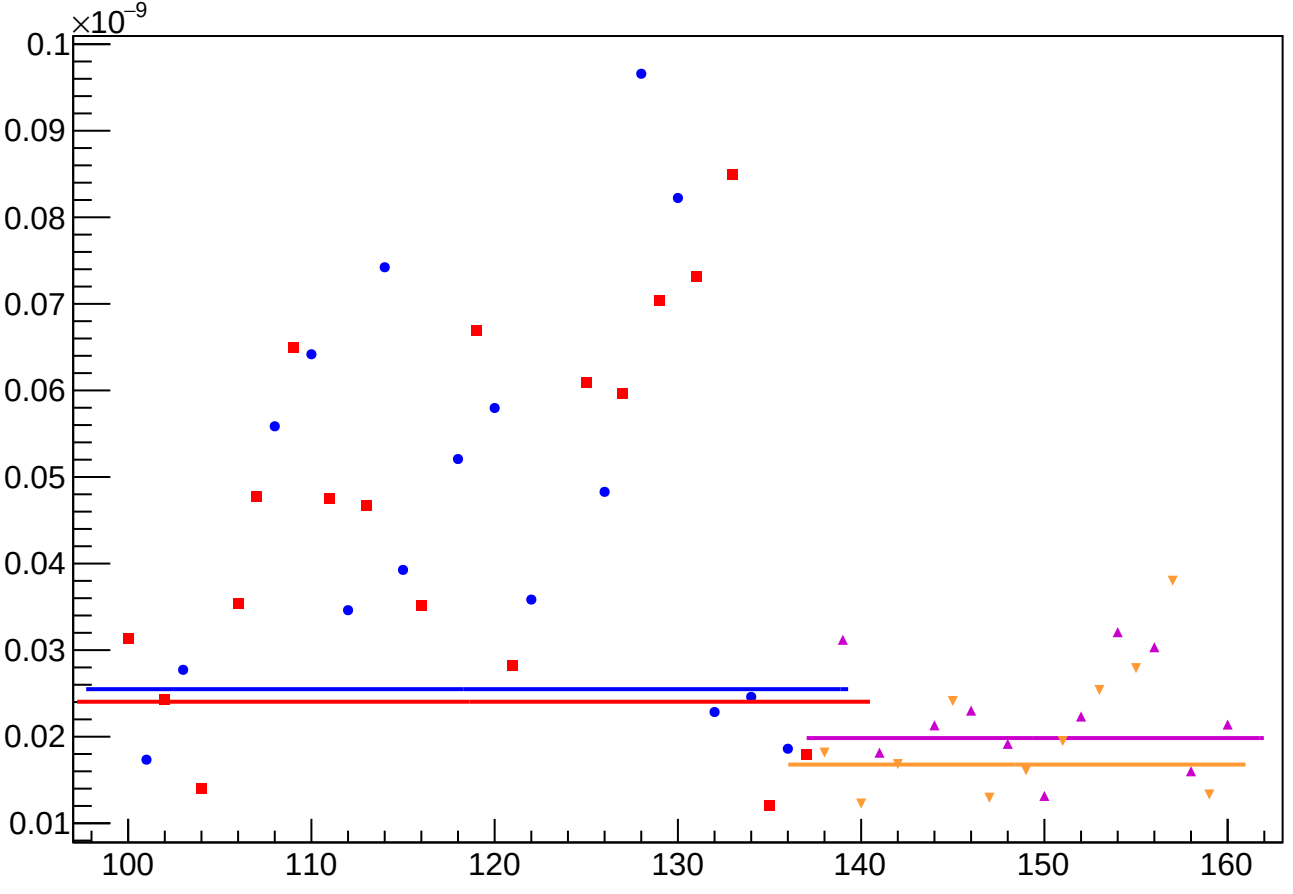
Left In: -0.000+/-0.000 χ^2/NDF:14.1/10

+ sign -0.000+/-0.000 χ^2/NDF: 29.0/26

All: 0.000+/-0.000 χ^2/NDF: 74.9/55

- 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:1124618.7/10

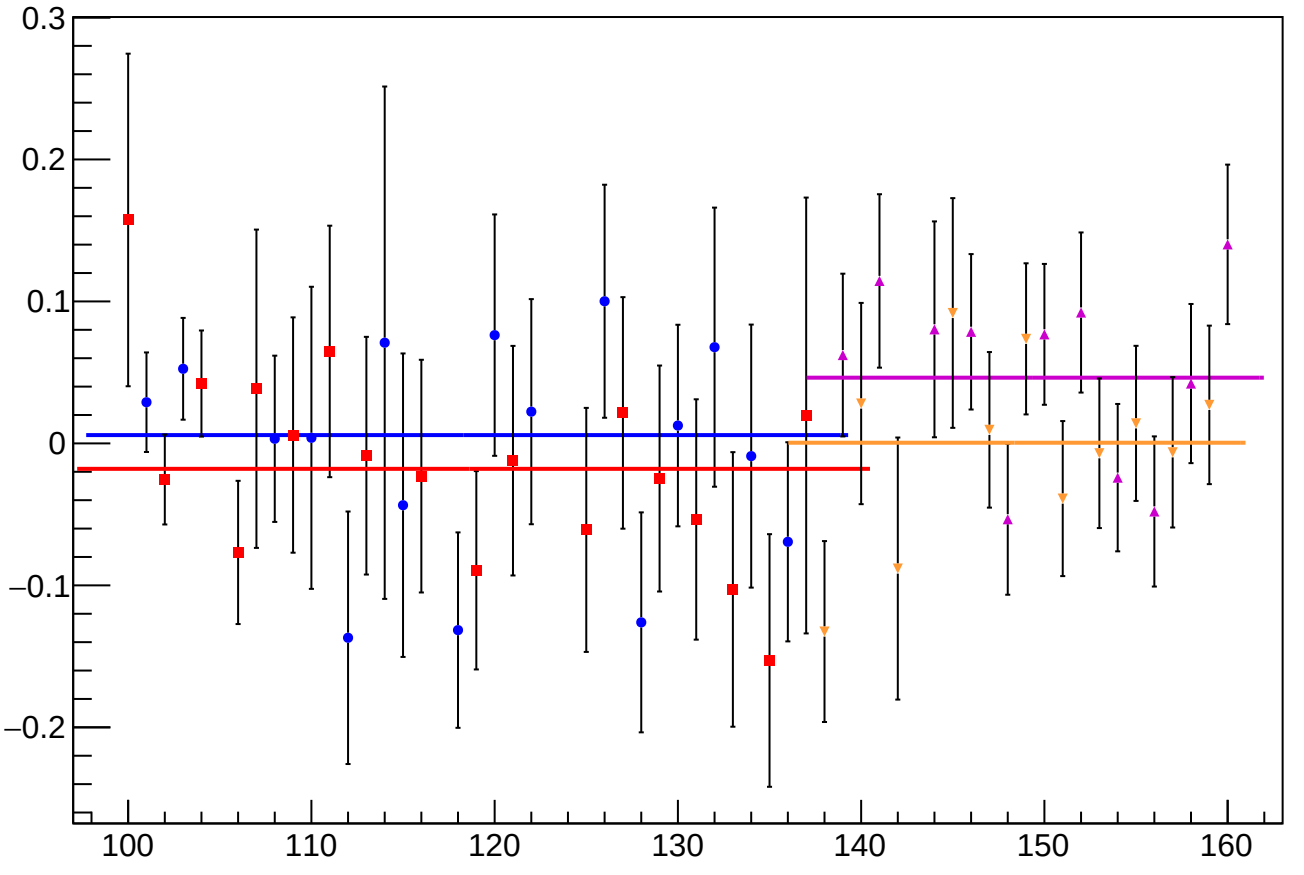
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

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

+ sign 0.000+/-0.000 χ^2/NDF: 3782232.1/26

All: 0.000+/-0.000 χ^2/NDF: 8015259.1/55

- 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: 0.000+/-0.018 χ^2/NDF:9.5/10

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

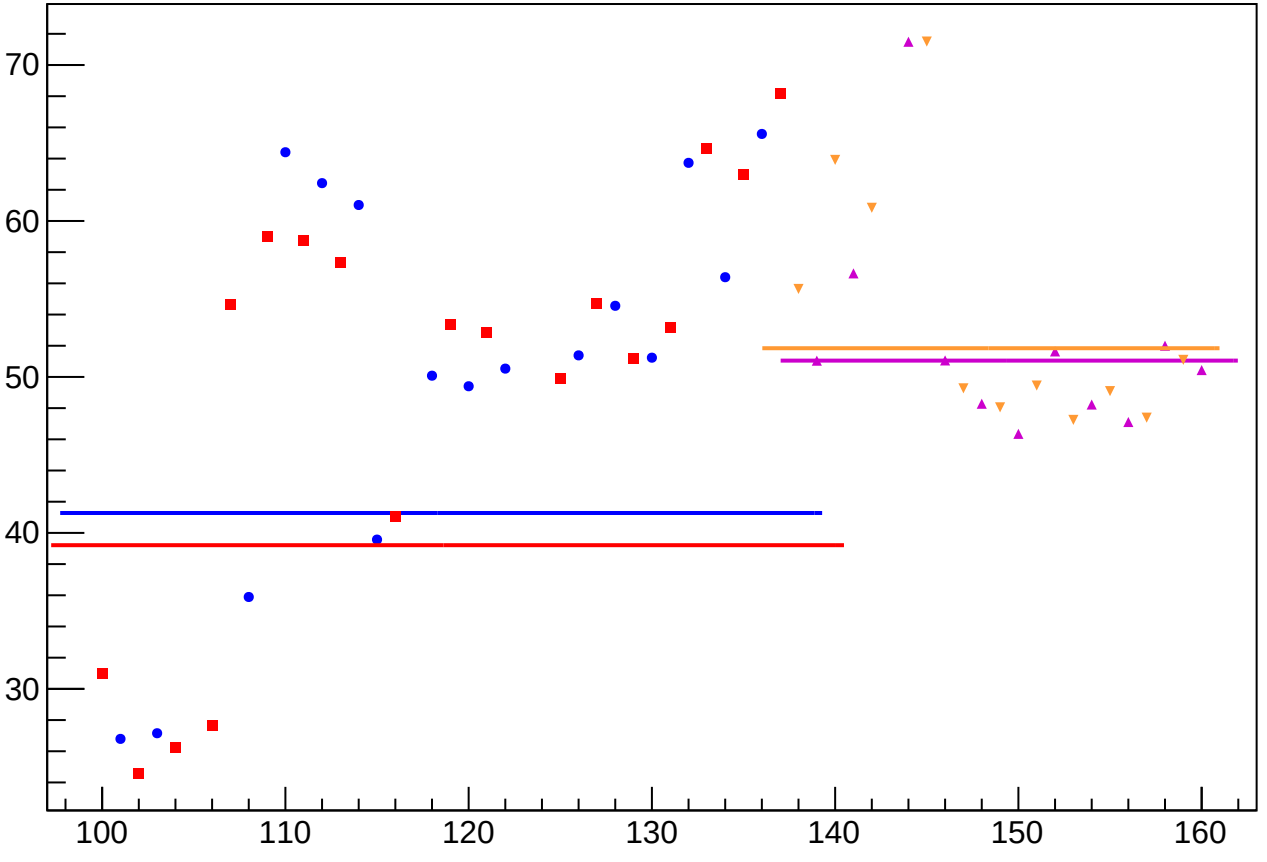
Left In: 0.046+/-0.017 χ^2/NDF:14.2/10

+ sign 0.003+/-0.012 χ^2/NDF: 25.1/26

All: 0.008+/-0.008 χ^2/NDF: 59.7/55

- sign 0.012+/-0.012 χ^2/NDF: 34.3/28

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 51.841+/-0.013 χ^2/NDF:255500.7/10

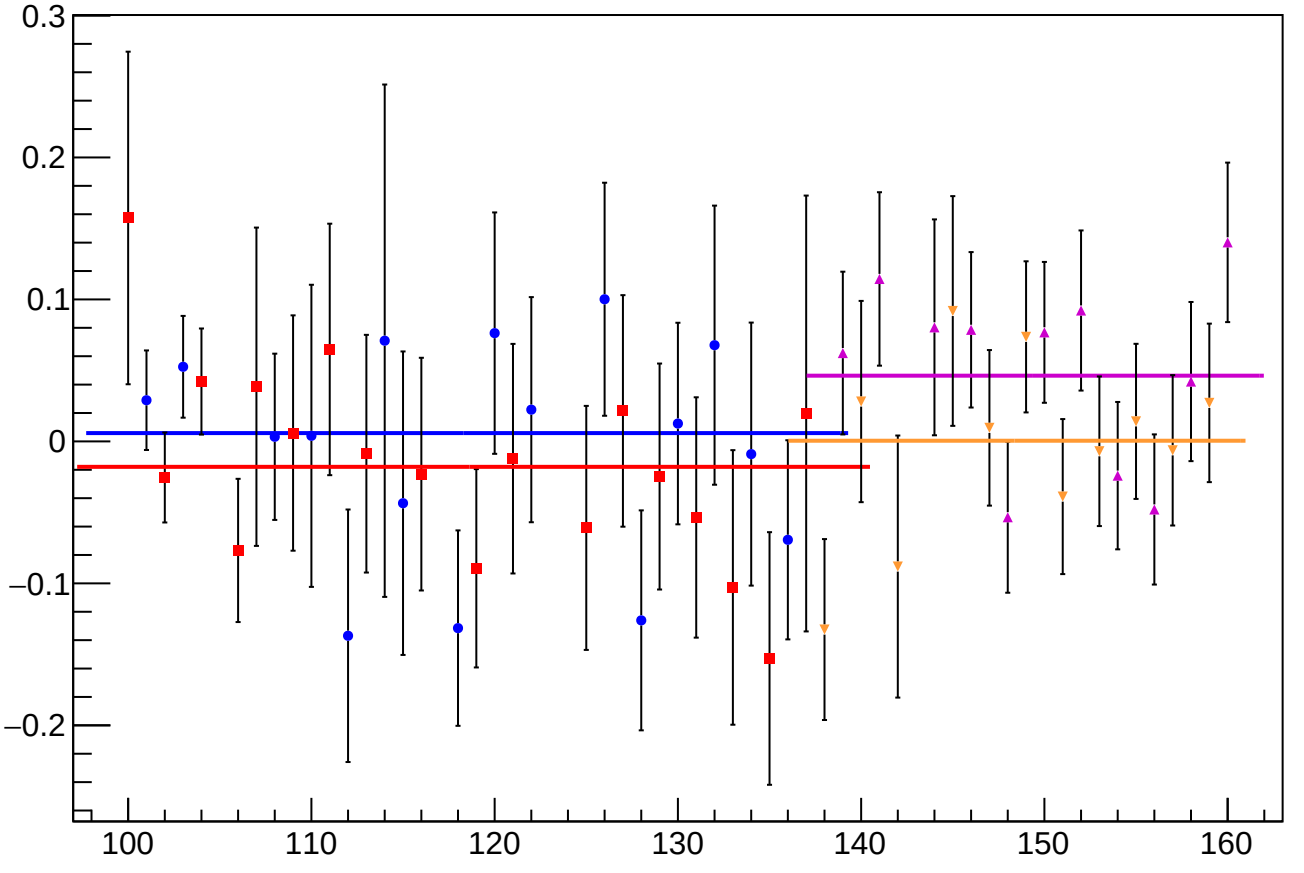
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

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

+ sign 46.128+/-0.009 χ^2/NDF: 2136095.0/26

All: 45.386+/-0.006 χ^2/NDF: 4699554.1/55

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



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

Left Out: 0.000+/-0.018 χ^2/NDF:9.5/10

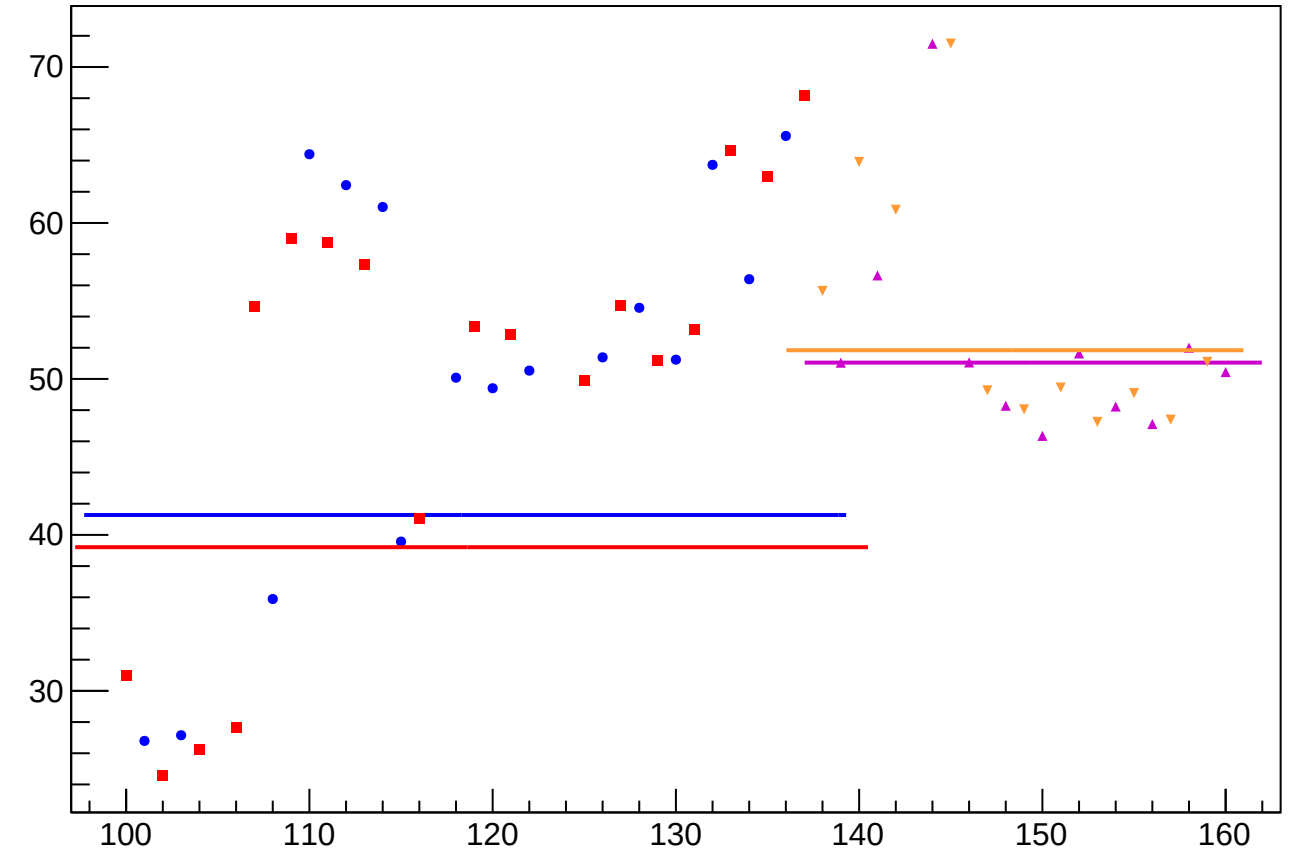
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

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

+ sign 0.003+/-0.012 χ^2/NDF: 25.1/26

All: 0.008+/-0.008 χ^2/NDF: 59.7/55

- 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: 51.841+/-0.013 χ^2/NDF:255500.7/10

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

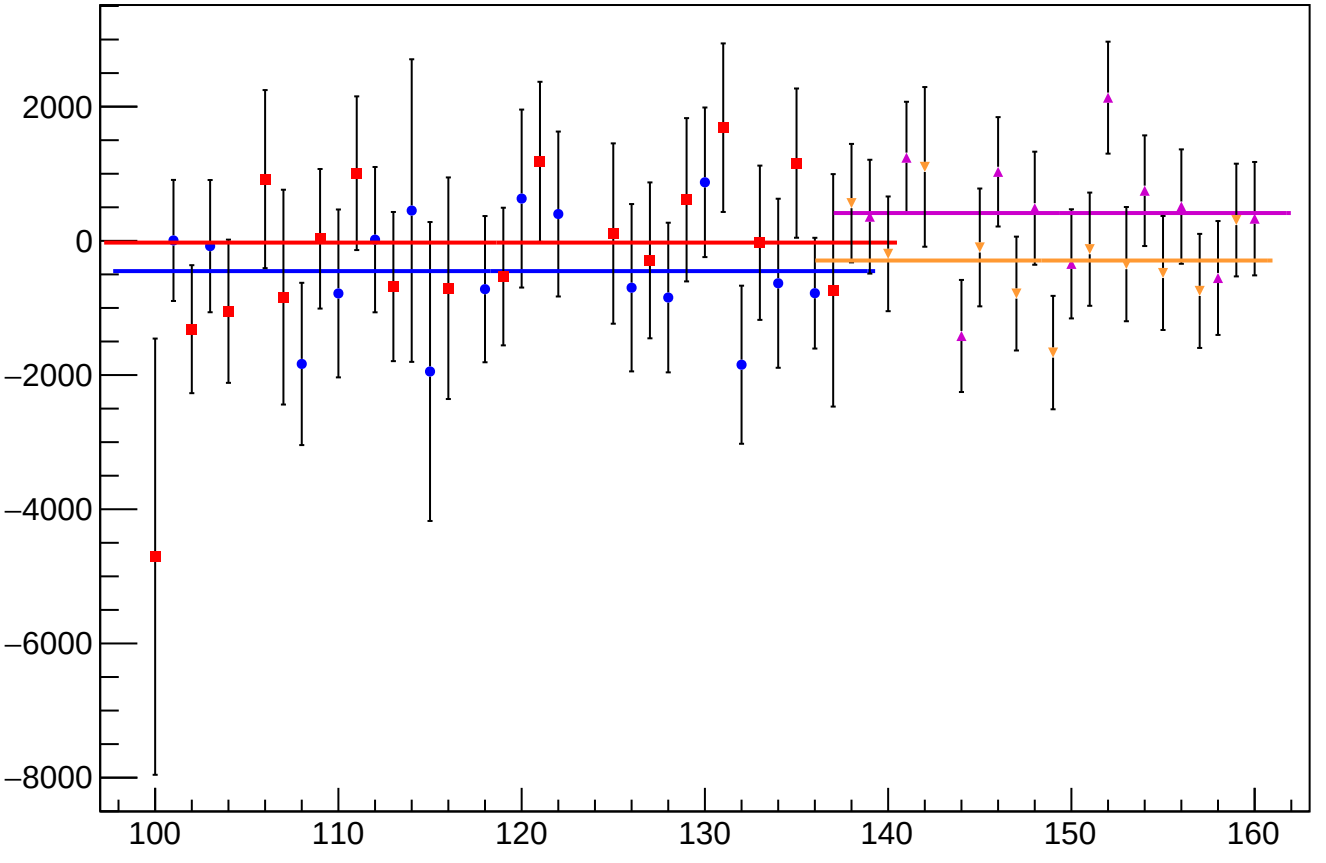
Left In: 51.047+/-0.012 χ^2/NDF:202695.8/10

+ sign 46.128+/-0.009 χ^2/NDF: 2136095.0/26

All: 45.386+/-0.006 χ^2/NDF: 4699554.1/55

- 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: -293.138+/-263.344 χ^2/NDF:6.2/10

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

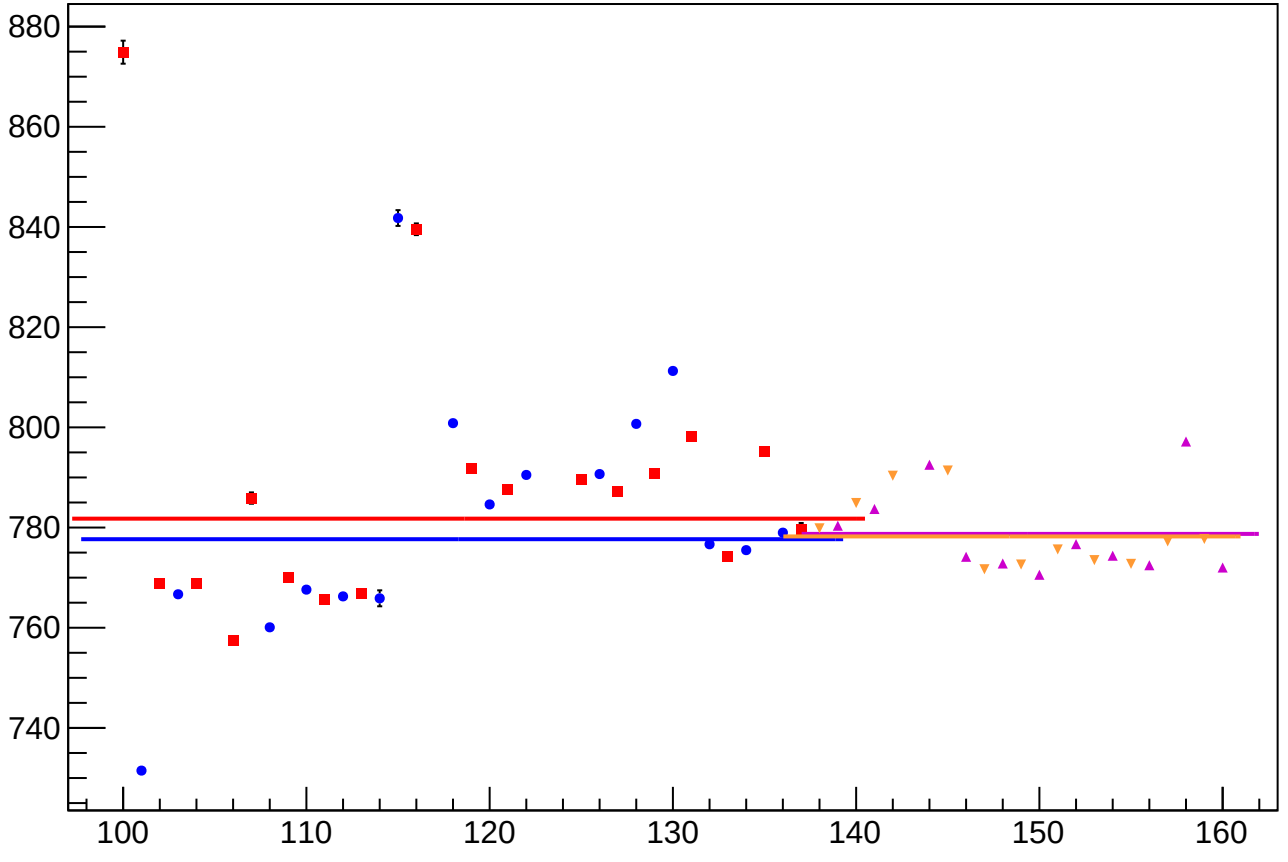
Left In: 414.415+/-251.877 χ^2/NDF:13.0/10

+ sign -364.744+/-194.637 χ^2/NDF: 13.3/26

All: -62.911+/-135.820 χ^2/NDF: 44.0/55

- 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: 778.228+/-0.186 χ^2/NDF:1160.3/10

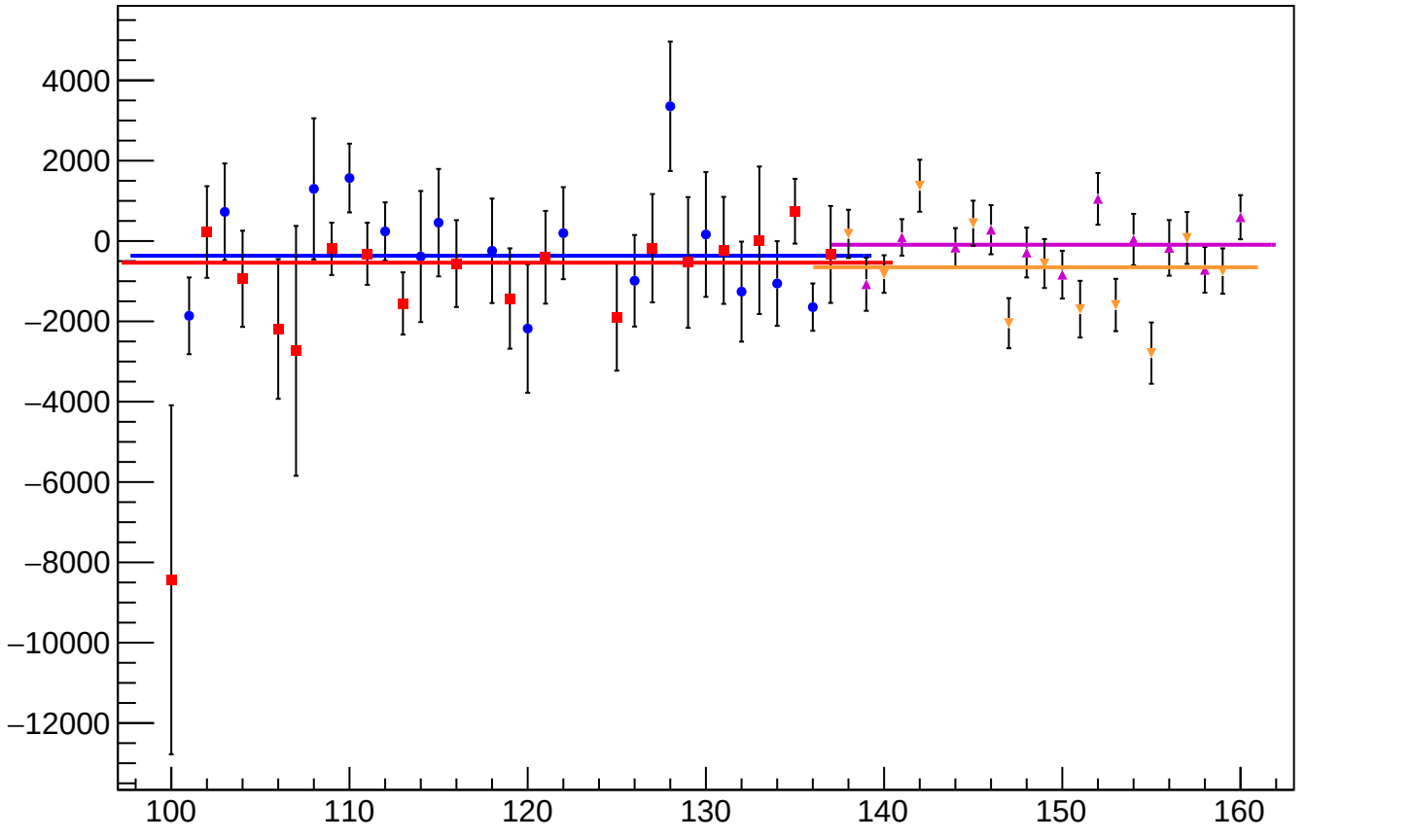
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

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

+ sign 777.977+/-0.138 χ^2/NDF: 13219.7/26

All: 779.041+/-0.096 χ^2/NDF: 23322.6/55

- 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: -653.300+/-183.200 χ^2/NDF:34.1/10

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

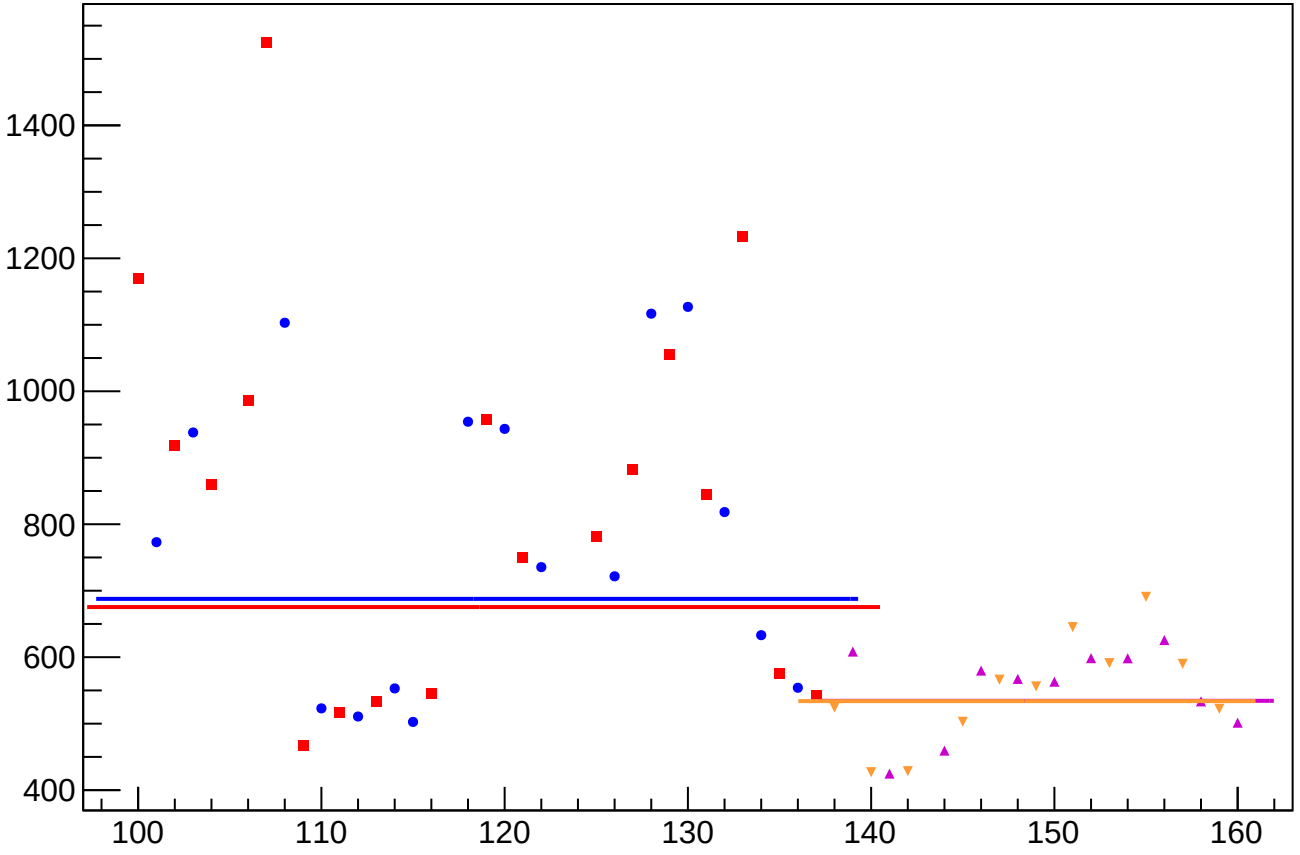
Left In: -93.256+/-174.582 χ^2/NDF:10.4/10

\+ sign -561.519+/-151.005 χ^2/NDF: 58.2/26

All: -389.340+/-104.753 χ^2/NDF: 84.8/55

\- 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: 533.922+/-0.130 χ^2/NDF:337913.0/10

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

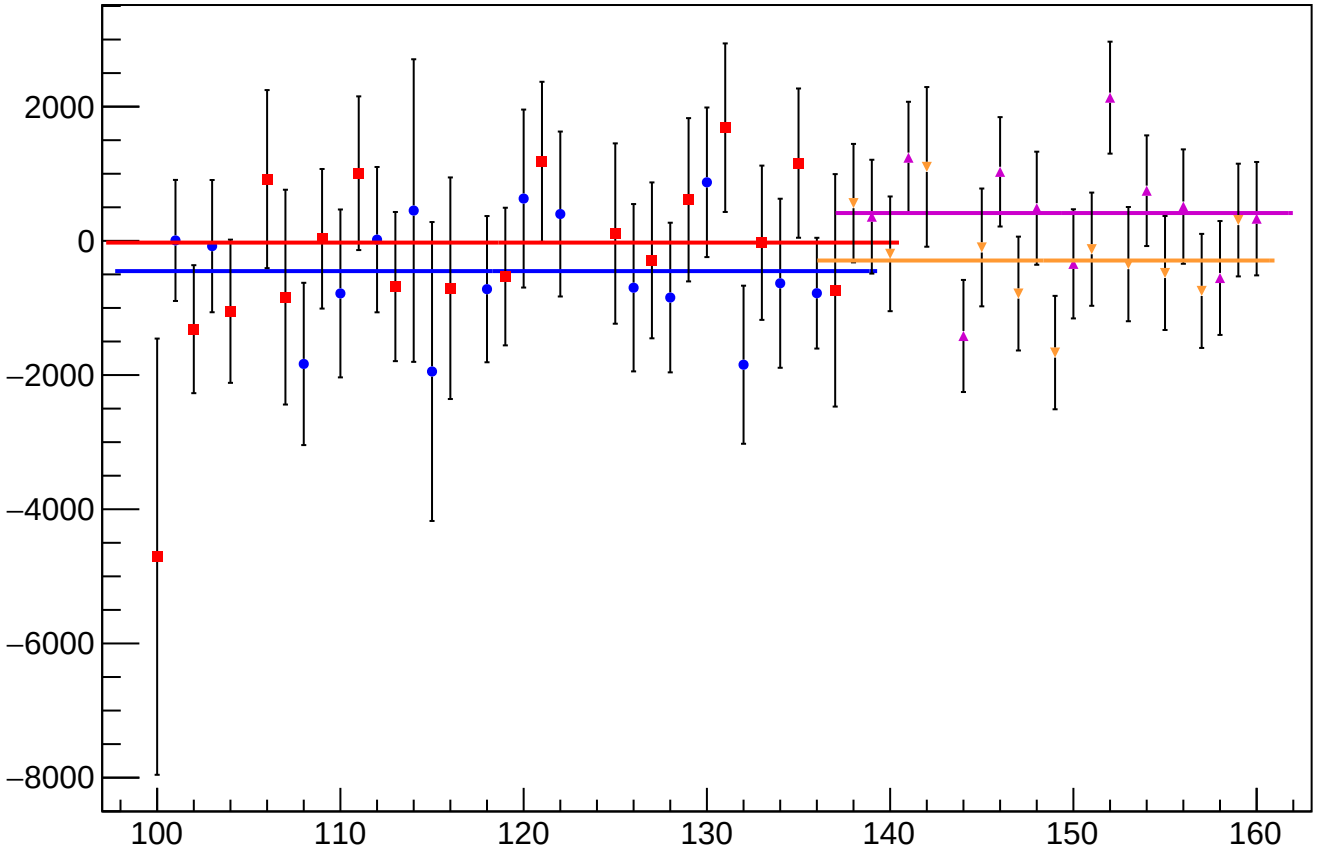
Left In: 534.371+/-0.123 χ^2/NDF:292192.7/10

+ sign 583.226+/-0.107 χ^2/NDF: 1821685.9/26

All: 580.272+/-0.074 χ^2/NDF: 3827796.4/55

- 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: -293.138+/-263.344 χ^2/NDF:6.2/10

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

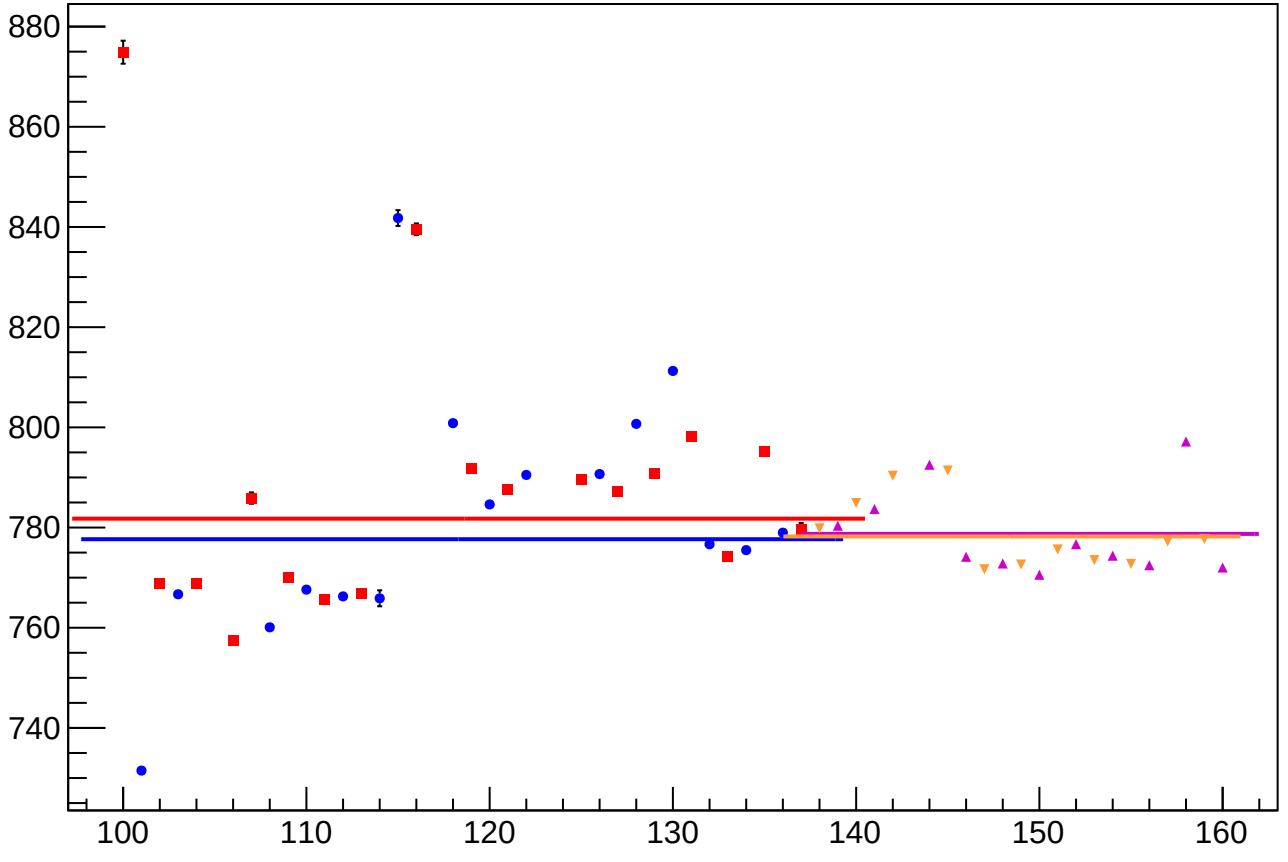
Left In: 414.415+/-251.877 χ^2/NDF:13.0/10

+ sign -364.744+/-194.637 χ^2/NDF: 13.3/26

All: -62.911+/-135.820 χ^2/NDF: 44.0/55

- 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: 778.228+/-0.186 χ^2/NDF:1160.3/10

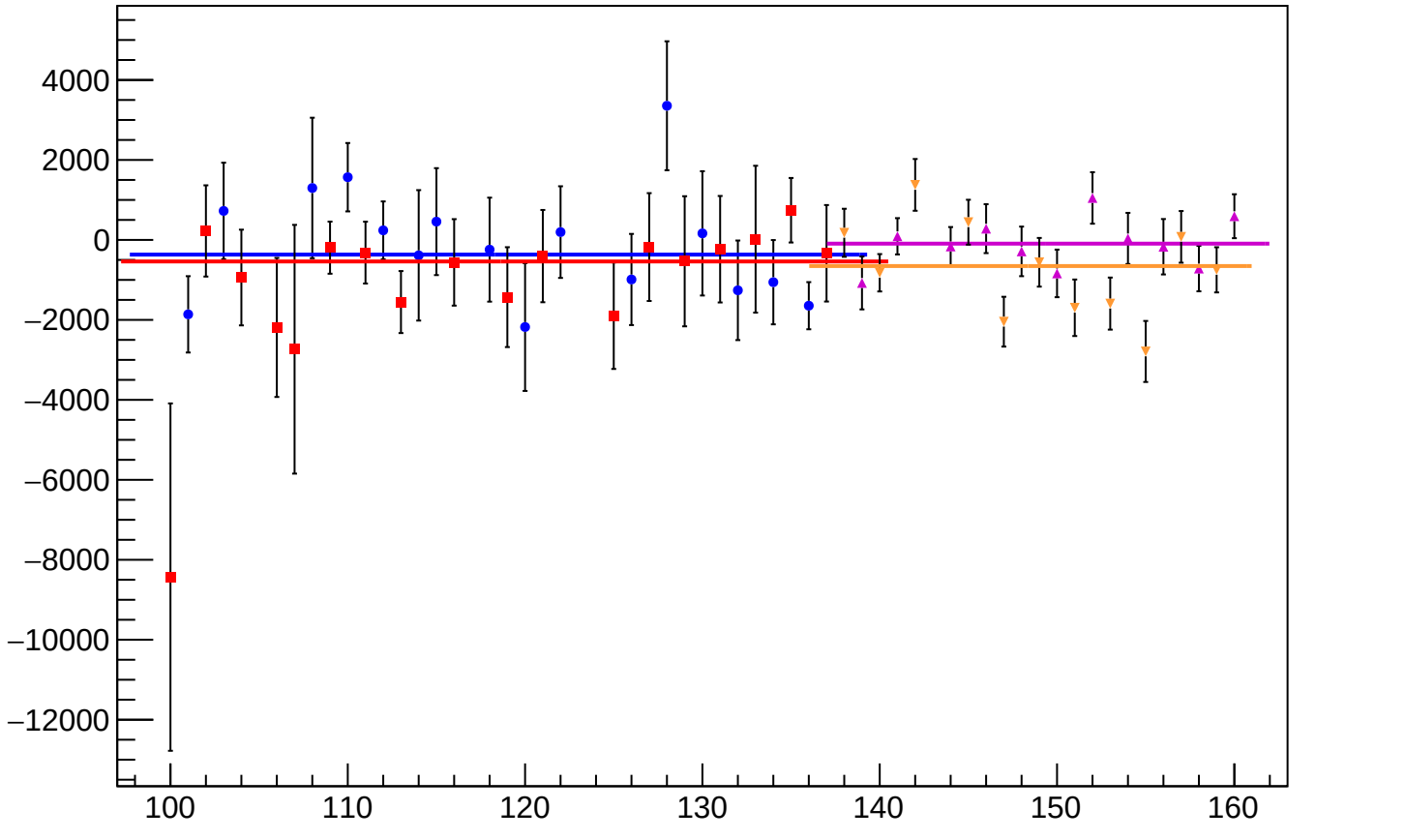
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

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

+ sign 777.977+/-0.138 χ^2/NDF: 13219.7/26

All: 779.041+/-0.096 χ^2/NDF: 23322.6/55

- 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: -653.300+/-183.200 χ^2/NDF:34.1/10

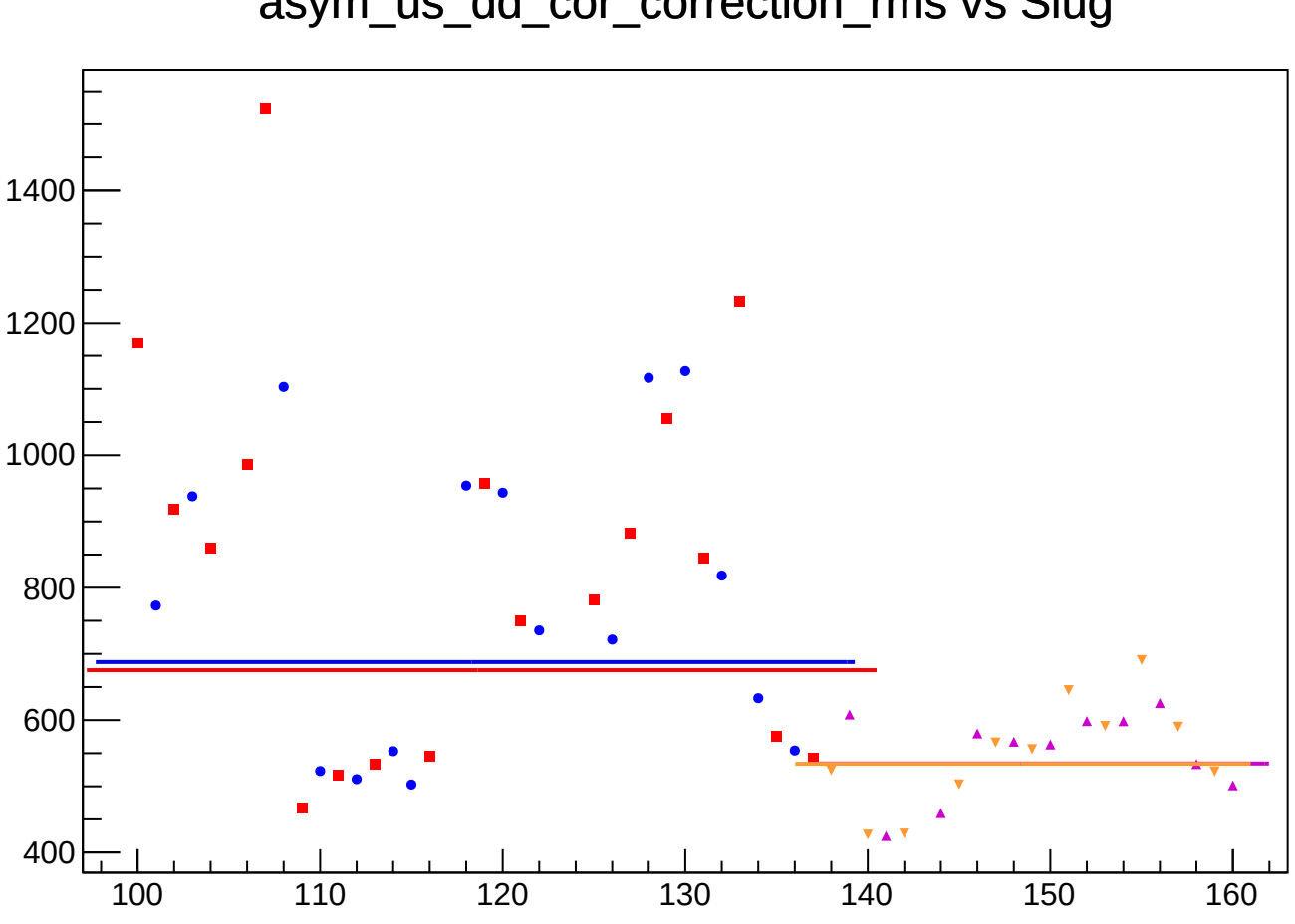
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

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

\+ sign -561.519+/-151.005 χ^2/NDF: 58.2/26

All: -389.340+/-104.753 χ^2/NDF: 84.8/55

\- 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: 533.922+/-0.130 χ^2/NDF:337913.0/10

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

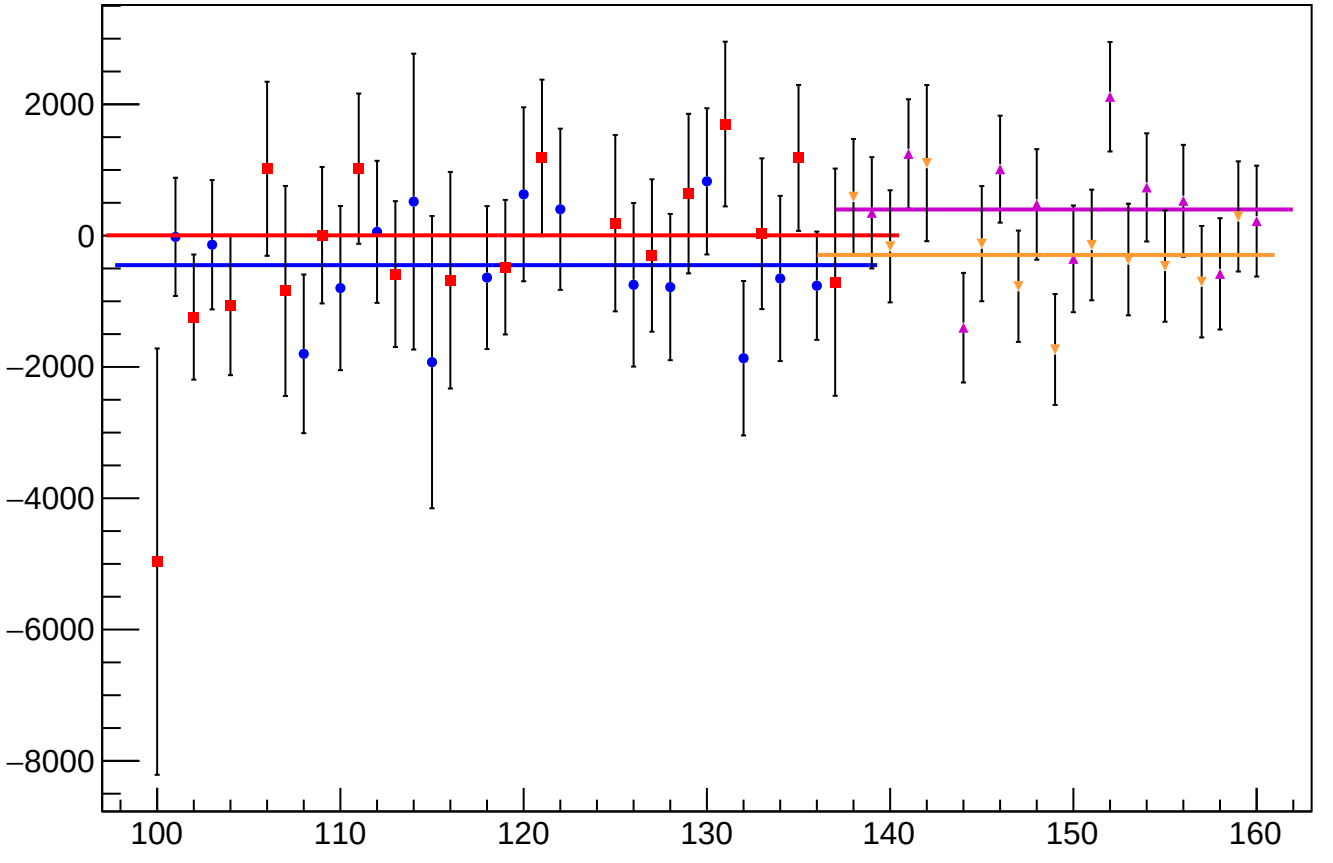
Left In: 534.371+/-0.123 χ^2/NDF:292192.7/10

+ sign 583.226+/-0.107 χ^2/NDF: 1821685.9/26

All: 580.272+/-0.074 χ^2/NDF: 3827796.4/55

- 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: -294.287+/-263.117 χ^2/NDF:6.5/10

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

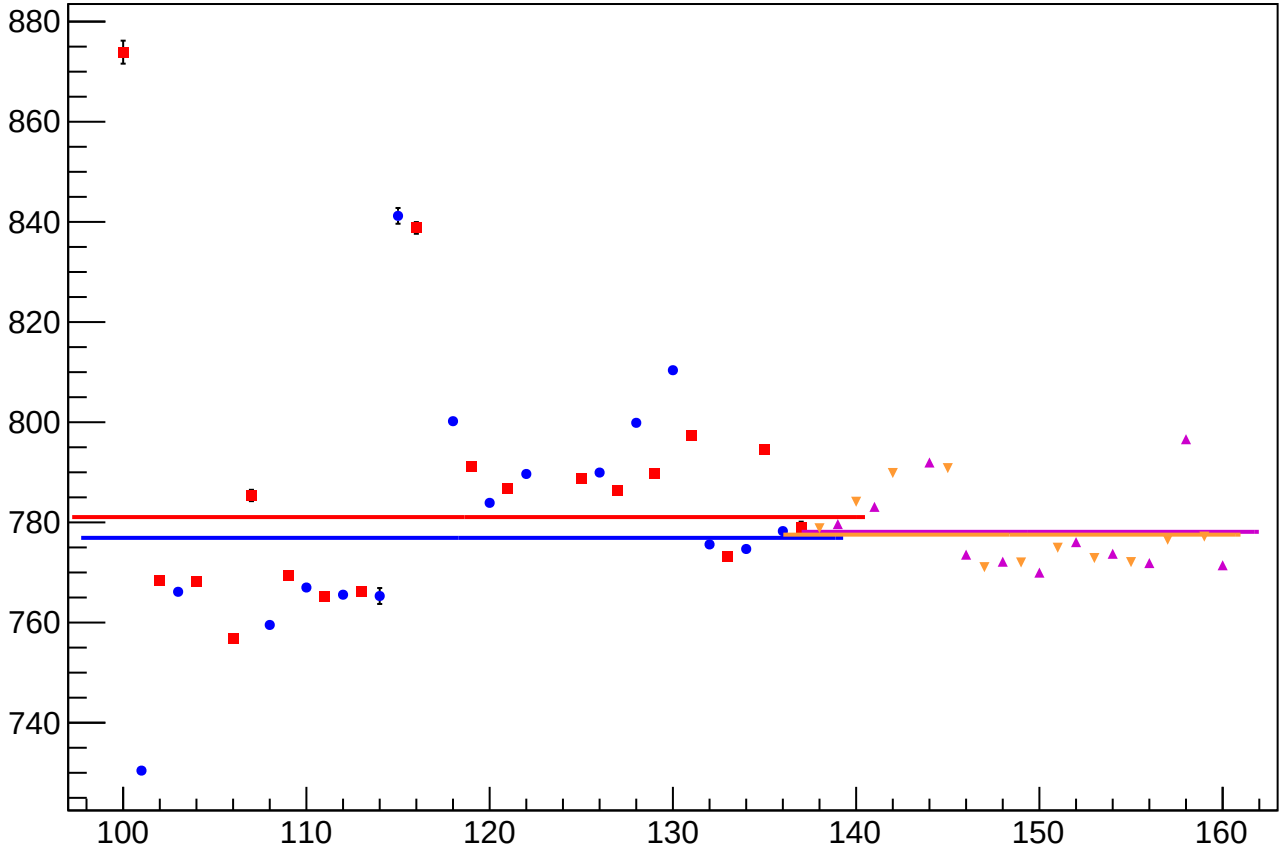
Left In: 398.374+/-251.677 χ^2/NDF:12.9/10

+ sign -364.689+/-194.459 χ^2/NDF: 13.4/26

All: -60.748+/-135.701 χ^2/NDF: 44.0/55

- 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: 777.556+/-0.186 χ^2/NDF:1165.2/10

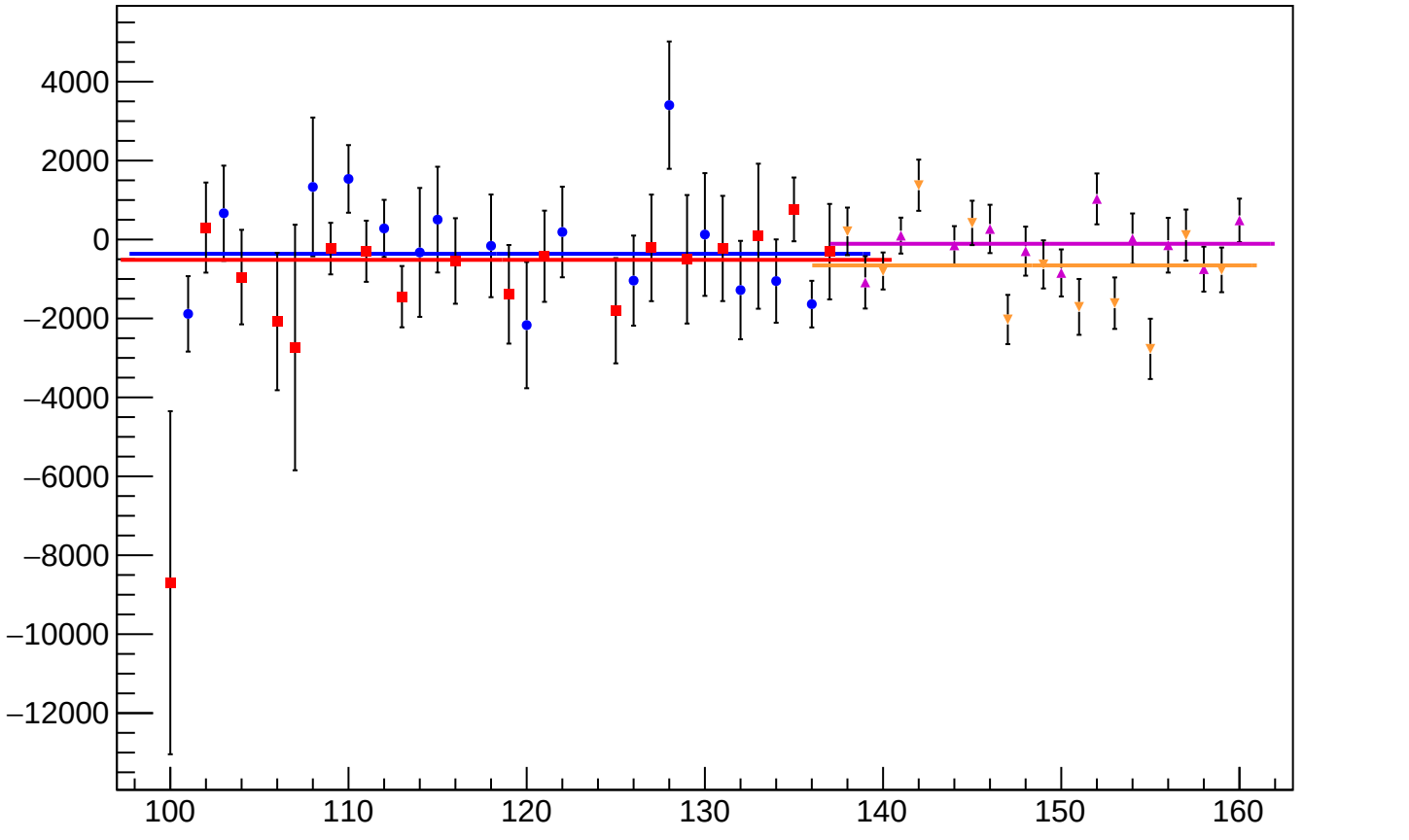
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

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

+ sign 777.264+/-0.138 χ^2/NDF: 13294.2/26

All: 778.356+/-0.096 χ^2/NDF: 23366.1/55

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



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

Left Out: -655.287+/-183.563 χ^2/NDF:33.9/10

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

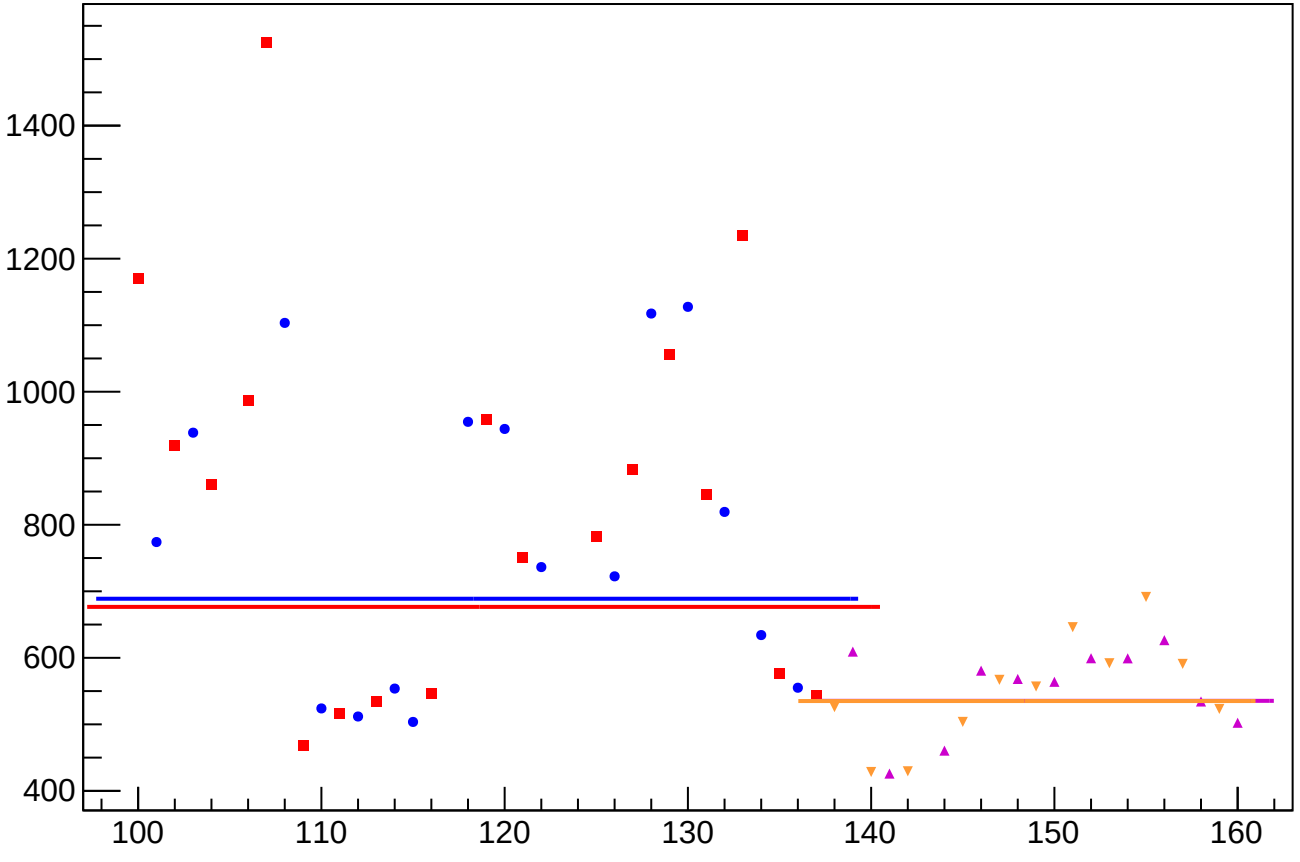
Left In: -108.173+/-174.889 χ^2/NDF:10.0/10

\+ sign -561.456+/-151.279 χ^2/NDF: 58.1/26

All: -390.936+/-104.935 χ^2/NDF: 83.6/55

\- sign -232.803+/-145.681 χ^2/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: 535.042+/-0.130 χ^2/NDF:335083.7/10

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

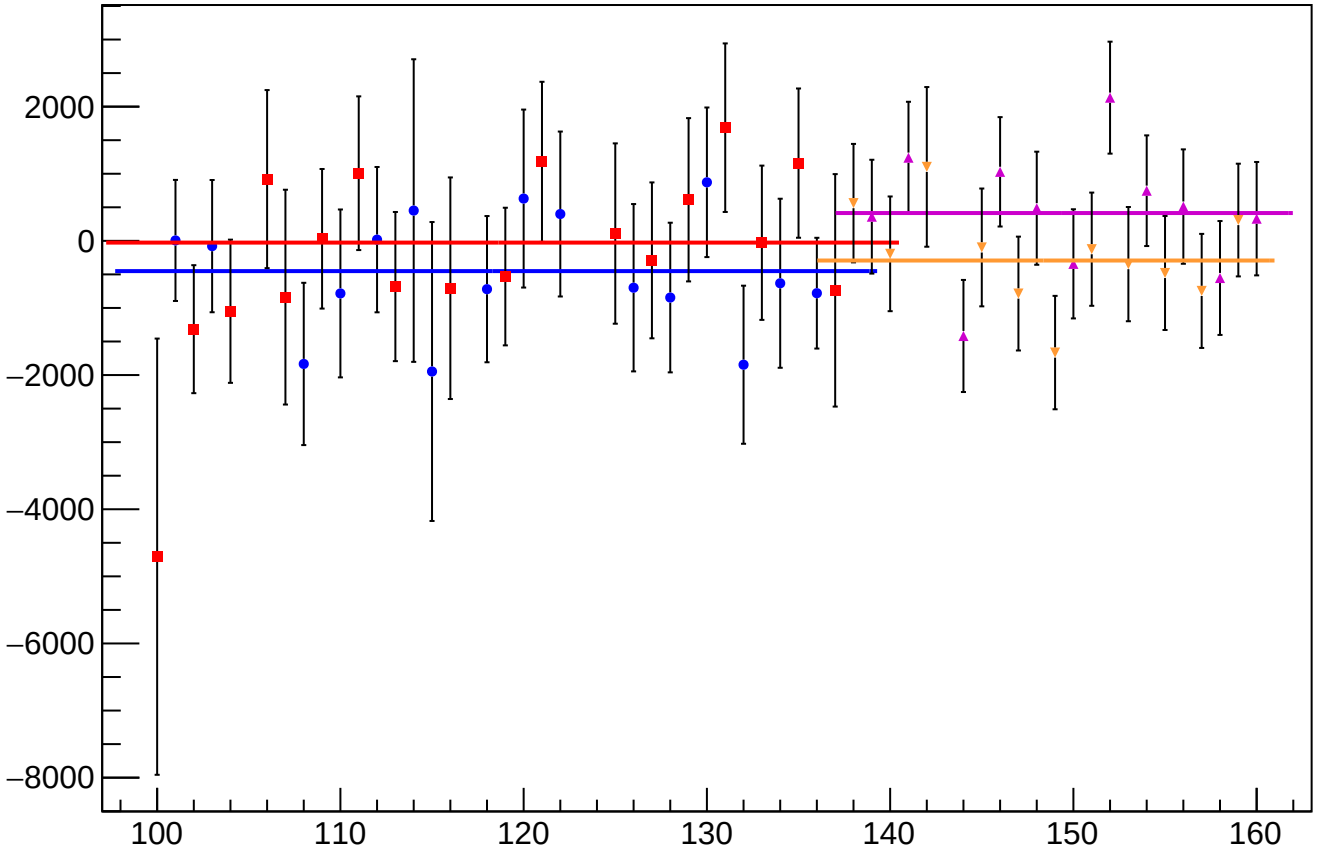
Left In: 535.347+/-0.124 χ^2/NDF:290209.1/10

+ sign 584.379+/-0.107 χ^2/NDF: 1813554.0/26

All: 581.370+/-0.074 χ^2/NDF: 3812558.6/55

- 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: -293.138+/-263.344 χ^2/NDF:6.2/10

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

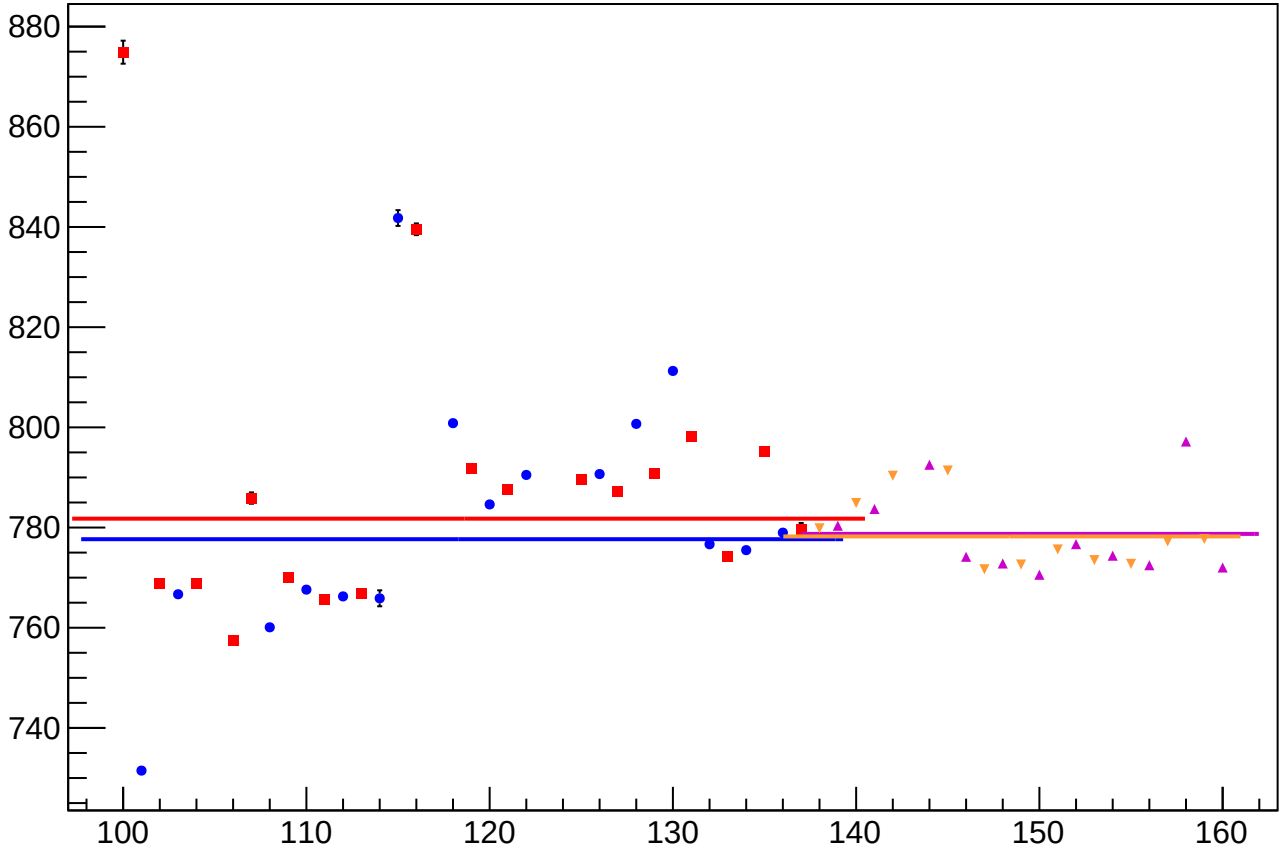
Left In: 414.415+/-251.877 χ^2/NDF:13.0/10

+ sign -364.744+/-194.637 χ^2/NDF: 13.3/26

All: -62.911+/-135.820 χ^2/NDF: 44.0/55

- 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: 778.228+/-0.186 χ^2/NDF:1160.3/10

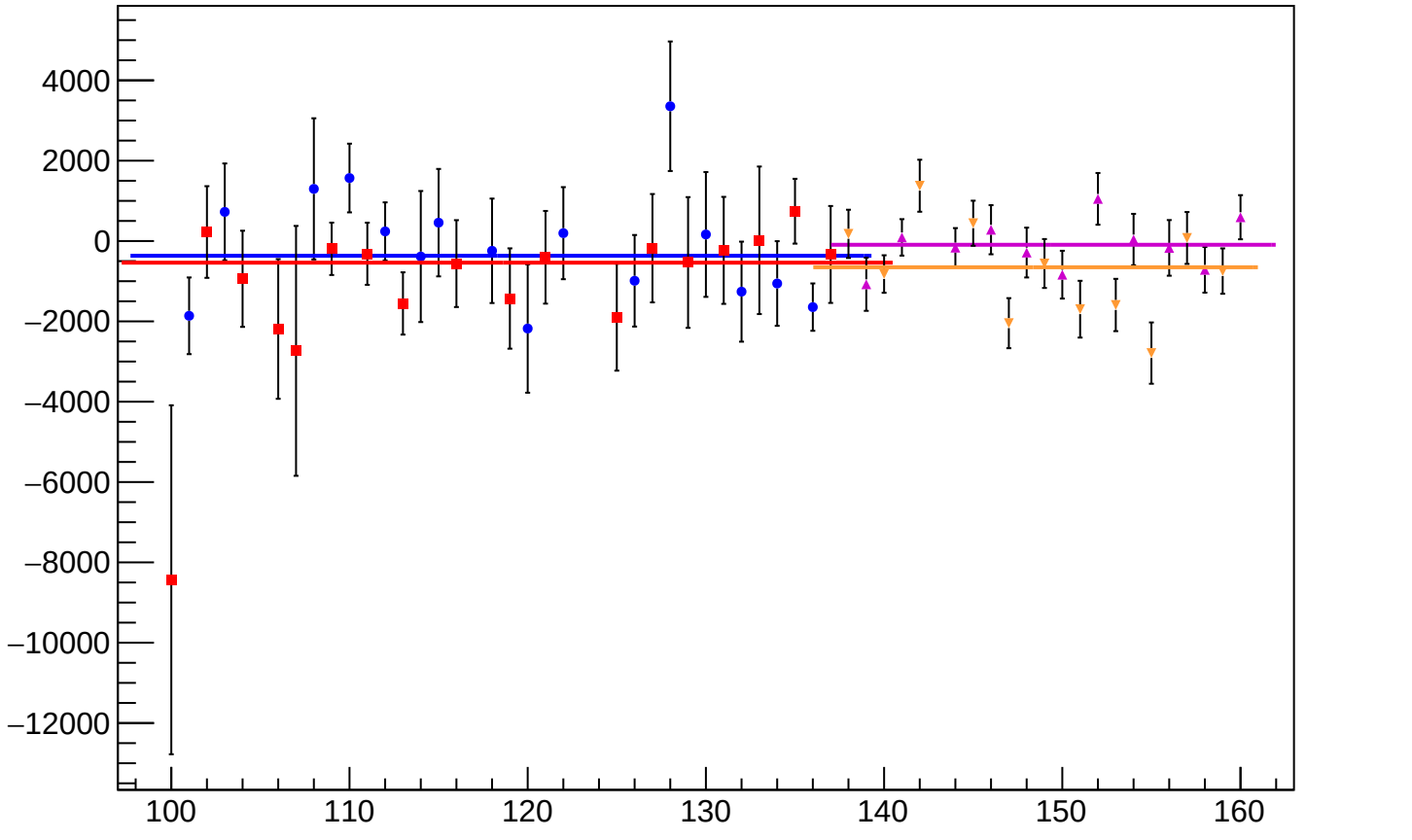
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

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

+ sign 777.977+/-0.138 χ^2/NDF: 13219.7/26

All: 779.041+/-0.096 χ^2/NDF: 23322.6/55

- 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: -653.300+/-183.200 χ^2/NDF:34.1/10

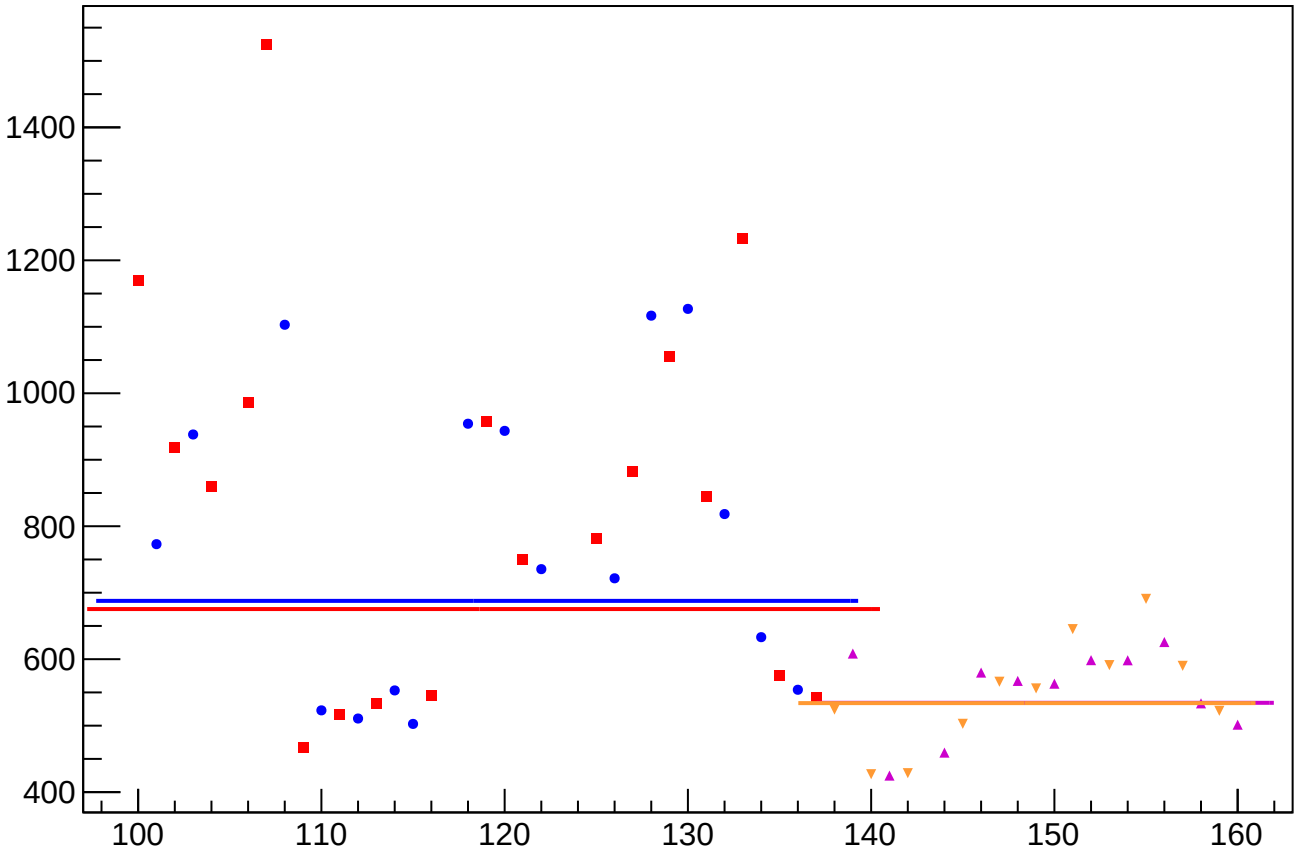
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

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

\+ sign -561.519+/-151.005 χ^2/NDF: 58.2/26

All: -389.340+/-104.753 χ^2/NDF: 84.8/55

\- 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: 533.922+/-0.130 χ^2/NDF:337913.0/10

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

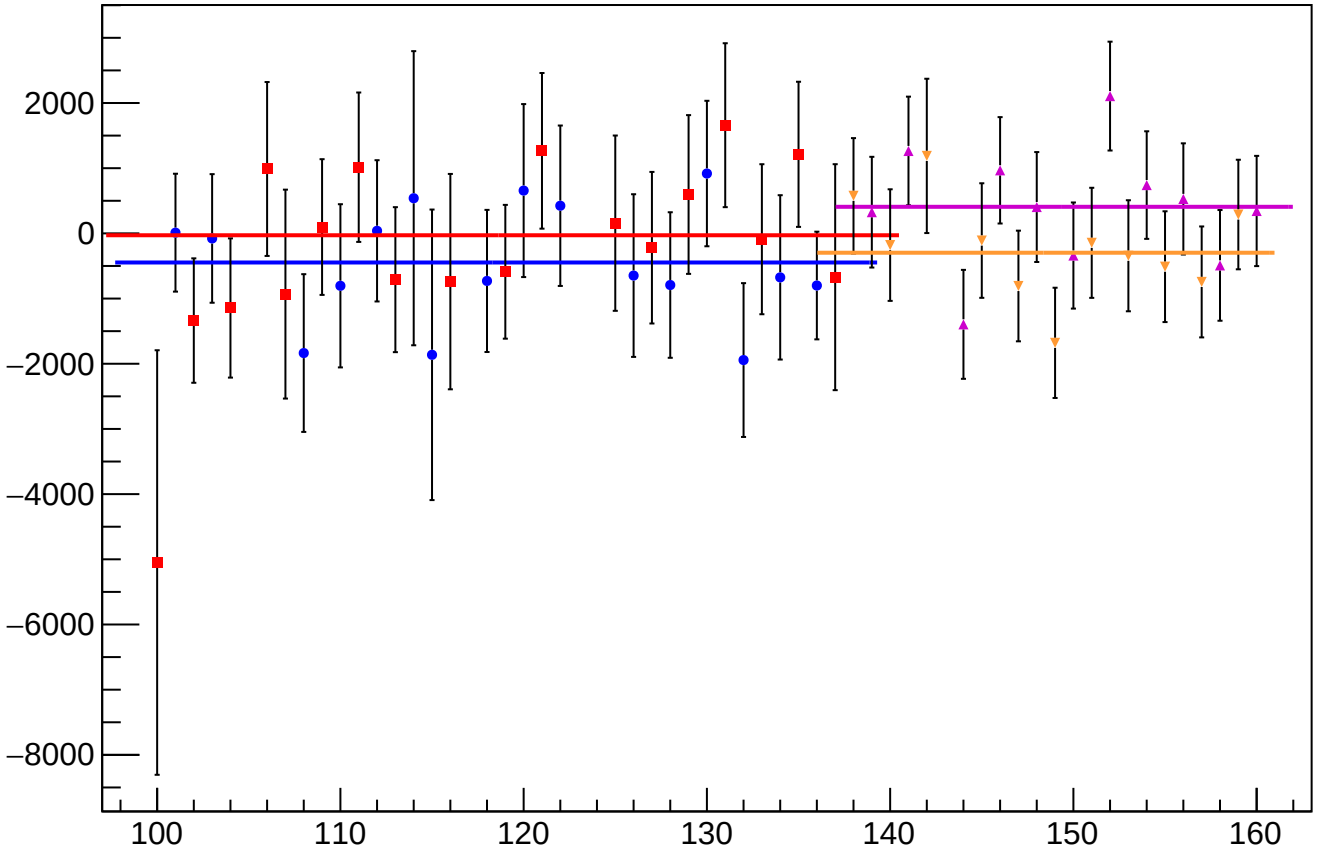
Left In: 534.371+/-0.123 χ^2/NDF:292192.7/10

+ sign 583.226+/-0.107 χ^2/NDF: 1821685.9/26

All: 580.272+/-0.074 χ^2/NDF: 3827796.4/55

- 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: -296.879+/-263.526 χ^2/NDF:6.5/10

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

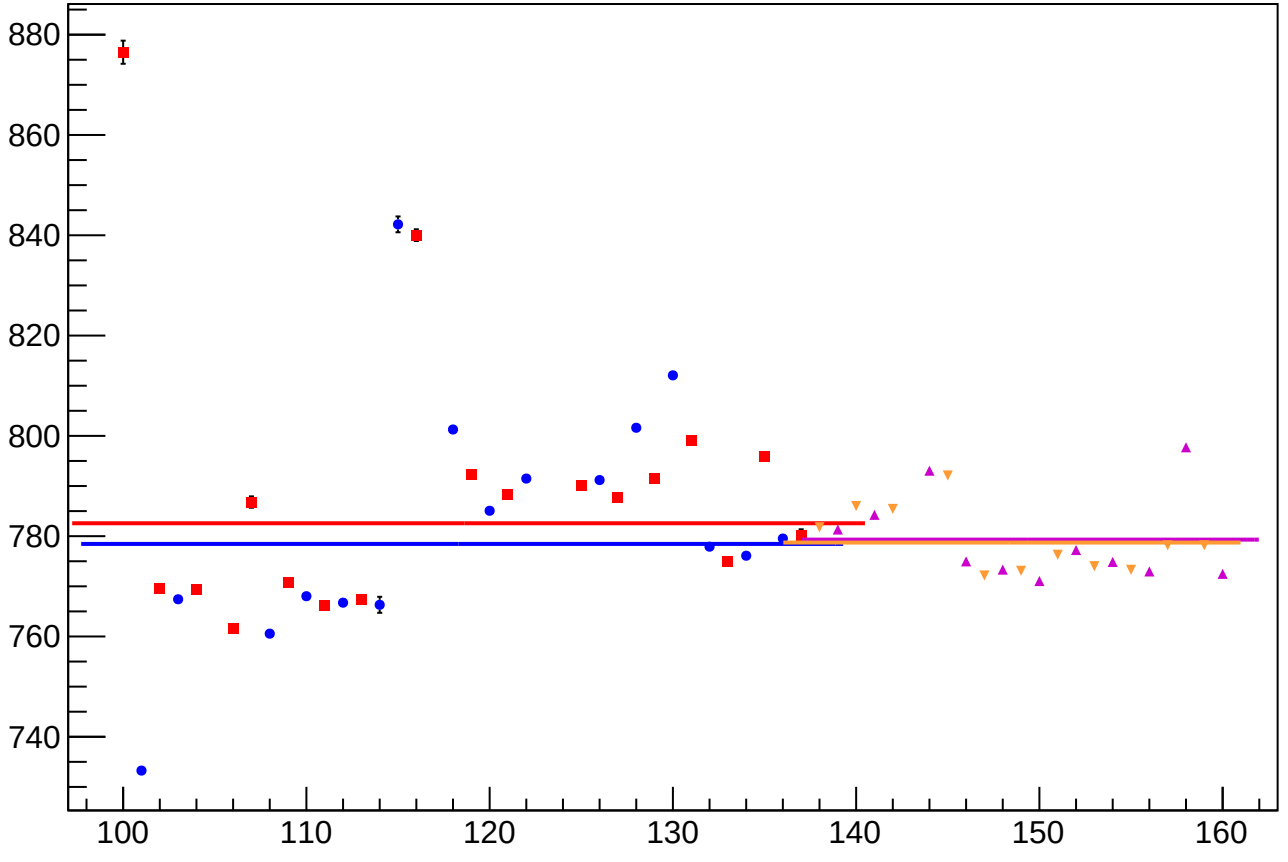
Left In: 407.662+/-252.064 χ^2/NDF:12.5/10

+ sign -364.817+/-194.798 χ^2/NDF: 13.9/26

All: -65.487+/-135.935 χ^2/NDF: 45.0/55

- 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: 778.729+/-0.186 χ^2/NDF:1065.5/10

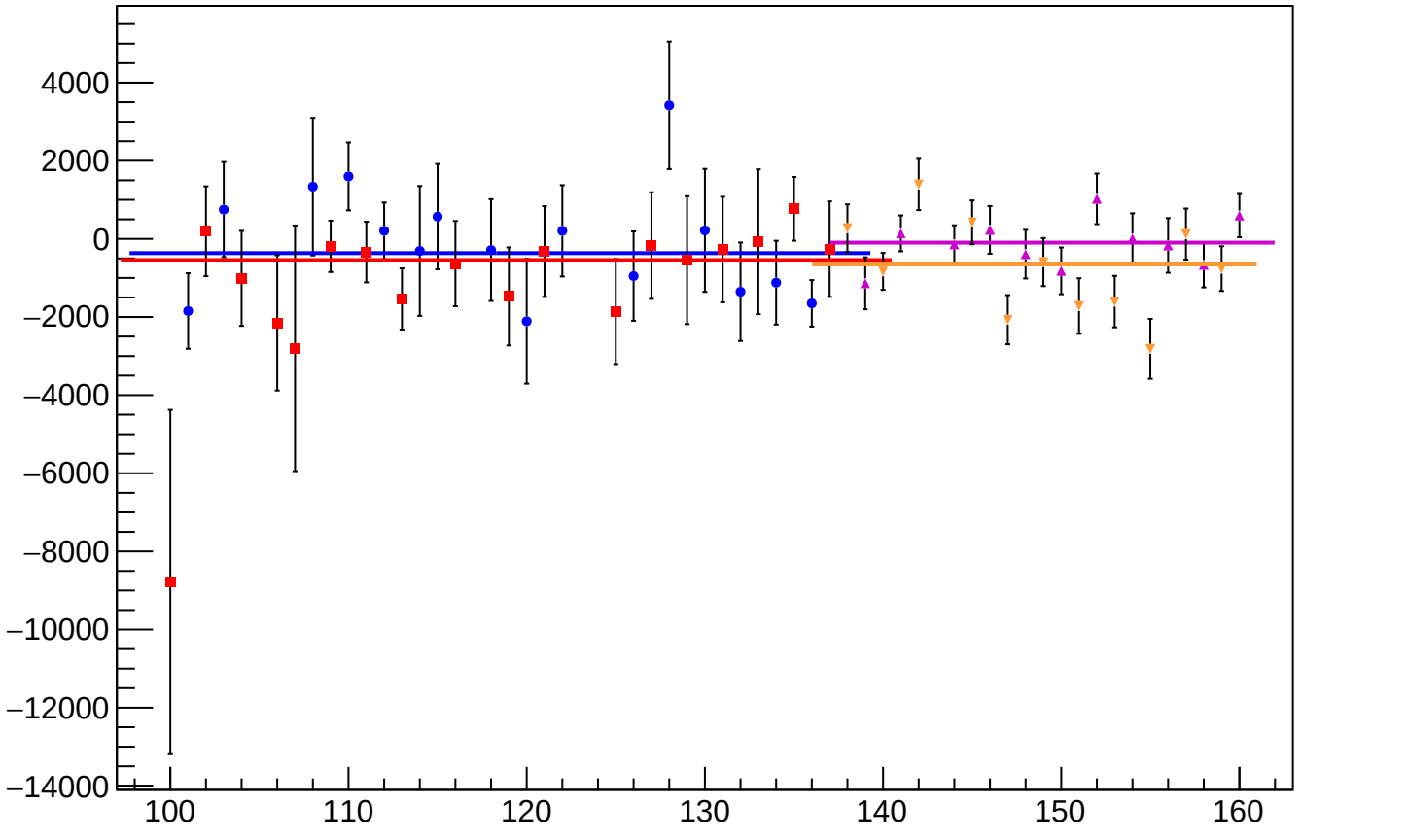
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

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

+ sign 778.605+/-0.138 χ^2/NDF: 12861.7/26

All: 779.693+/-0.096 χ^2/NDF: 22846.4/55

- 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: -654.638+/-185.002 χ^2/NDF:34.6/10

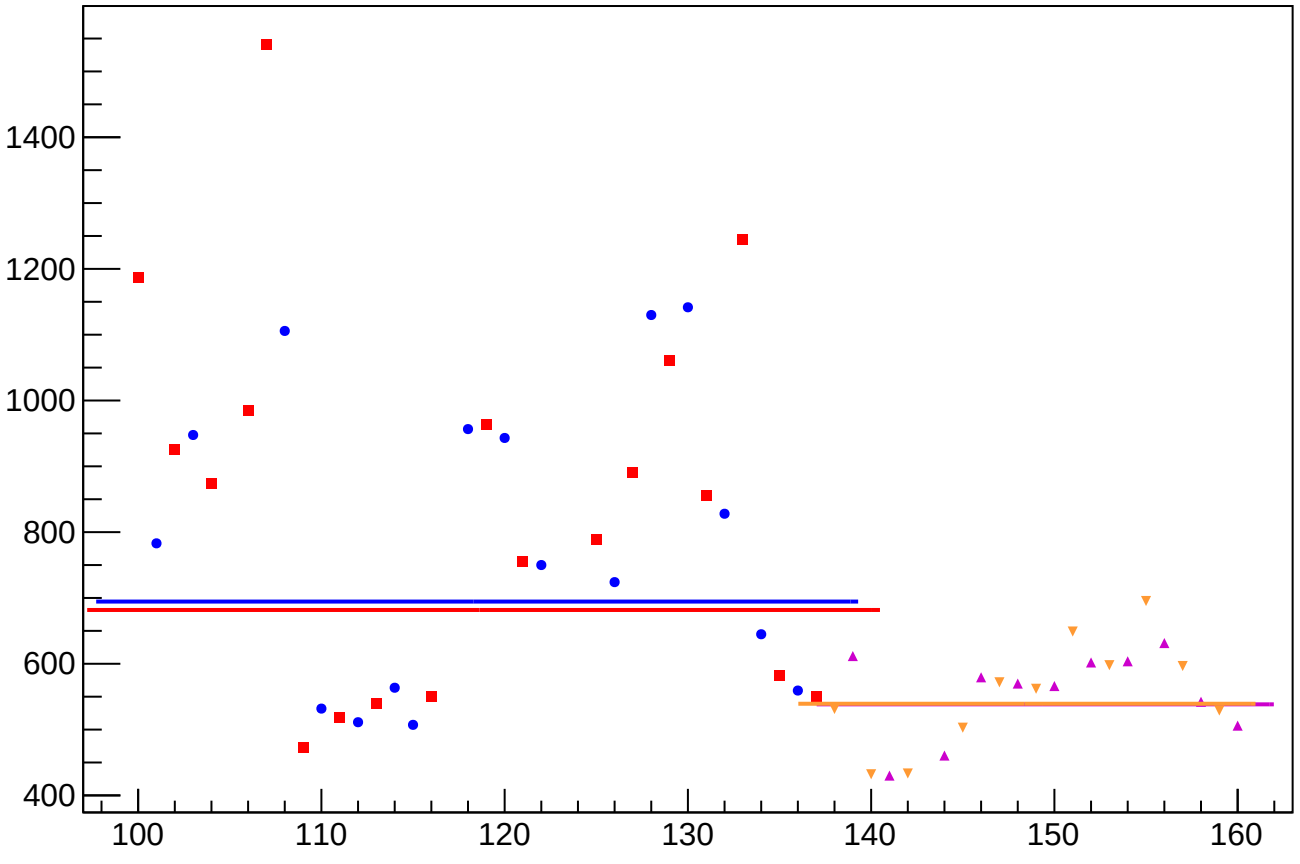
Right Out: -542.879+/-265.273 χ^2/NDF: 11.8/17

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

+ sign -561.453+/-152.490 χ^2/NDF: 58.7/26

All: -390.400+/-105.668 χ^2/NDF: 85.2/55

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



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

Left Out: 539.256+/-0.131 χ^2/NDF:333904.3/10

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

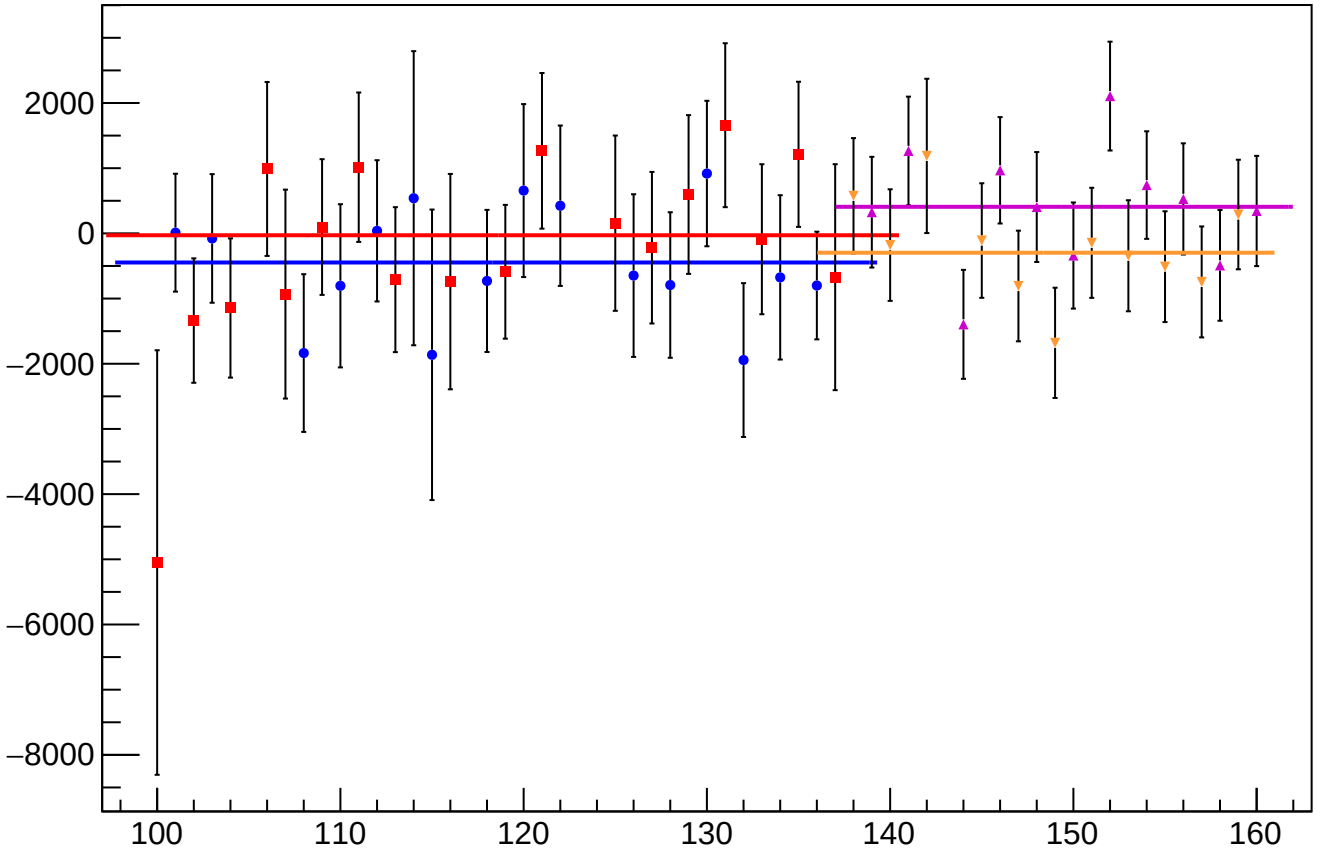
Left In: 538.355+/-0.124 χ^2/NDF:287244.0/10

+ sign 589.034+/-0.108 χ^2/NDF: 1815426.7/26

All: 585.442+/-0.075 χ^2/NDF: 3822107.3/55

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

eigen_dit_asym_us_dd_mean vs Slug



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

Left Out: -296.881+/-263.526 χ^2/NDF:6.5/10

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

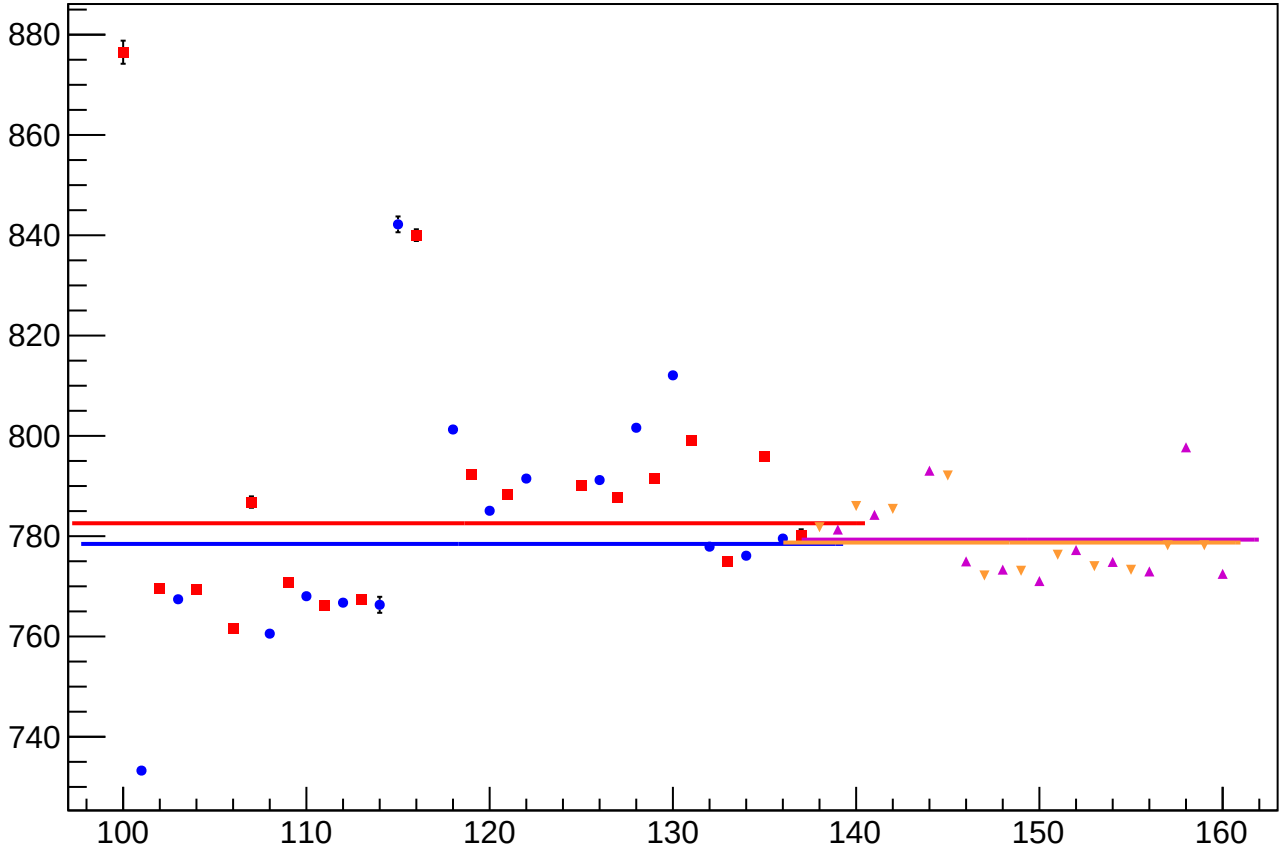
Left In: 407.661+/-252.064 χ^2/NDF:12.5/10

+ sign -364.818+/-194.798 χ^2/NDF: 13.9/26

All: -65.487+/-135.935 χ^2/NDF: 45.0/55

- 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: 778.729+/-0.186 χ^2/NDF:1065.5/10

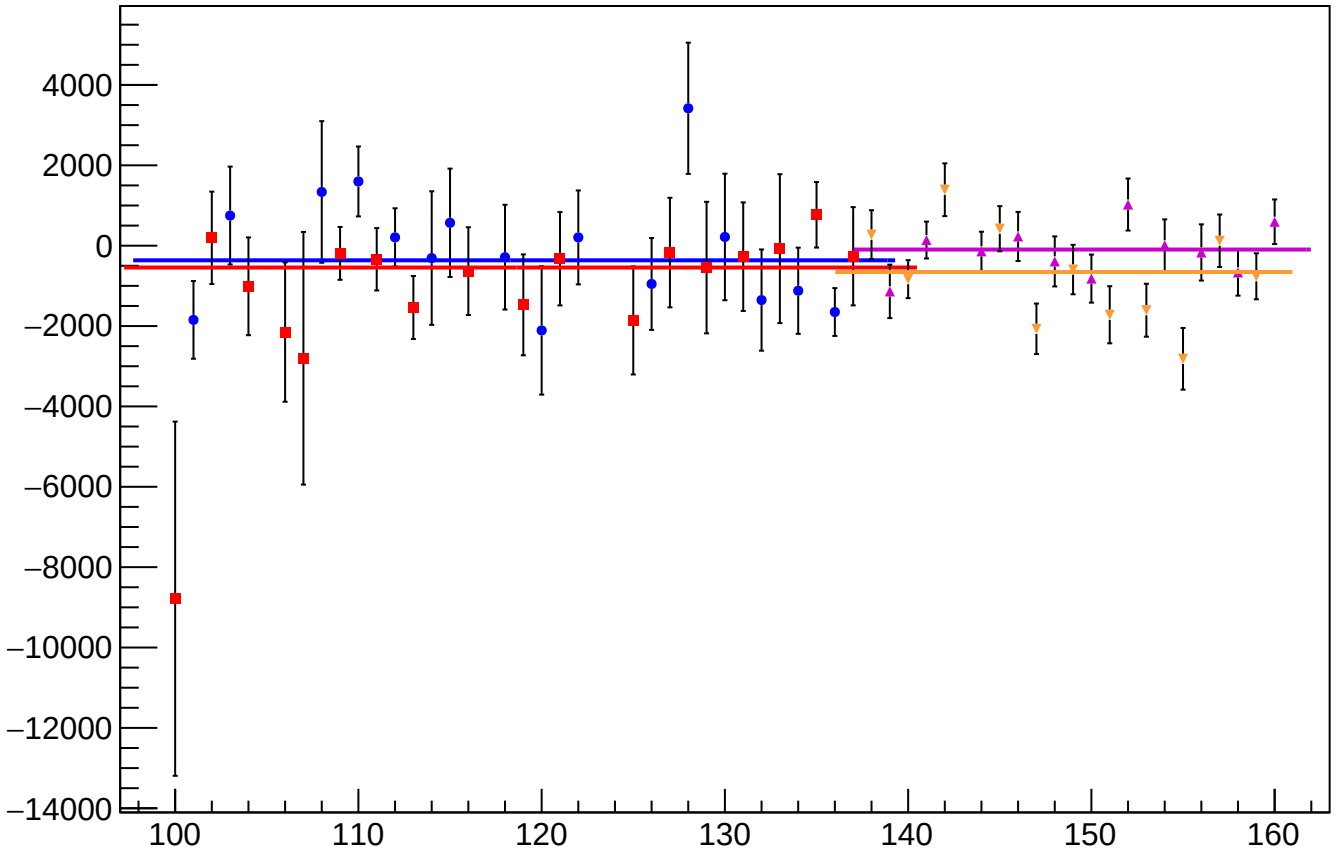
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

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

+ sign 778.605+/-0.138 χ^2/NDF: 12861.6/26

All: 779.693+/-0.096 χ^2/NDF: 22846.4/55

- 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: -654.638+/-185.002 χ^2/NDF:34.6/10

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

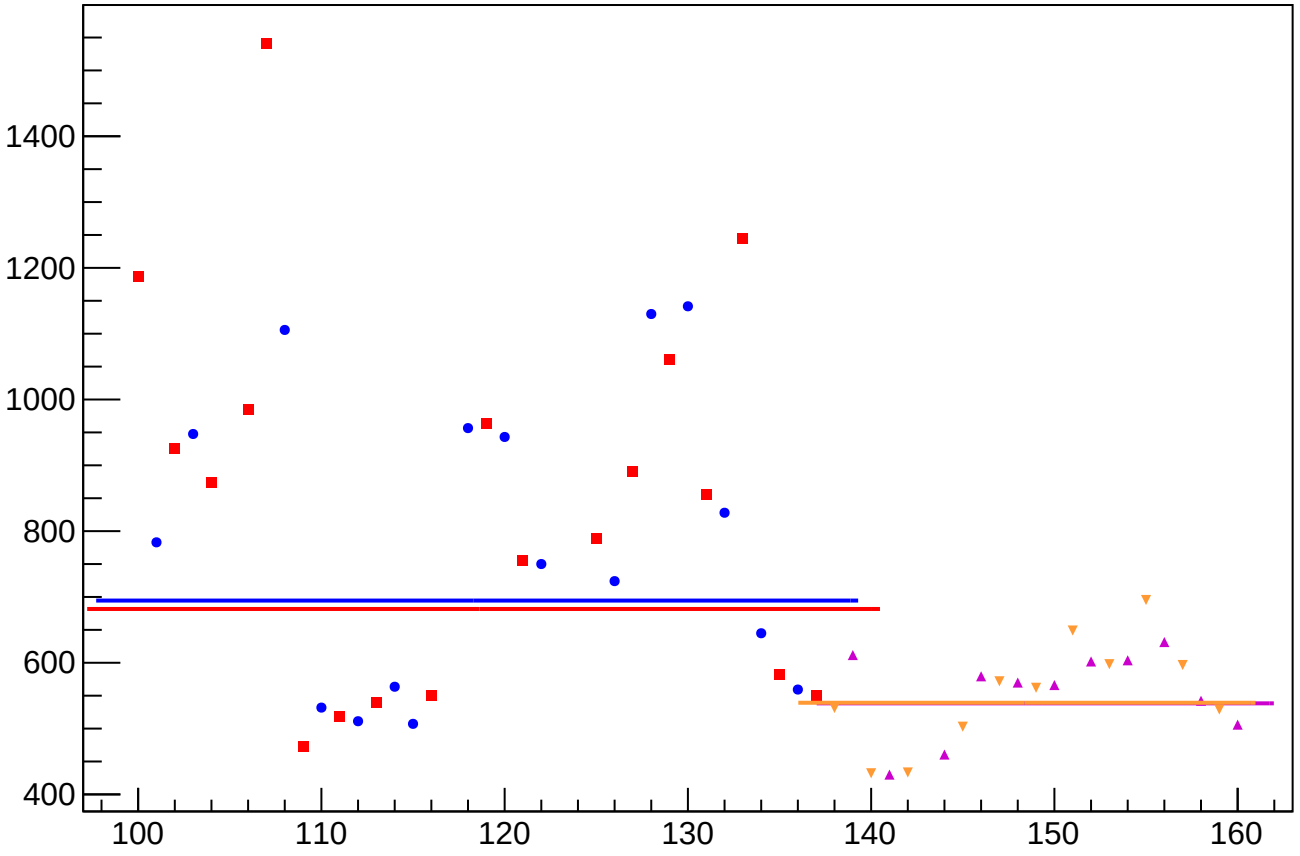
Left In: -95.974+/-175.834 χ^2/NDF:10.2/10

\+ sign -561.451+/-152.490 χ^2/NDF: 58.7/26

All: -390.399+/-105.668 χ^2/NDF: 85.2/55

\- 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: 539.256+/-0.131 χ^2/NDF:333917.1/10

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

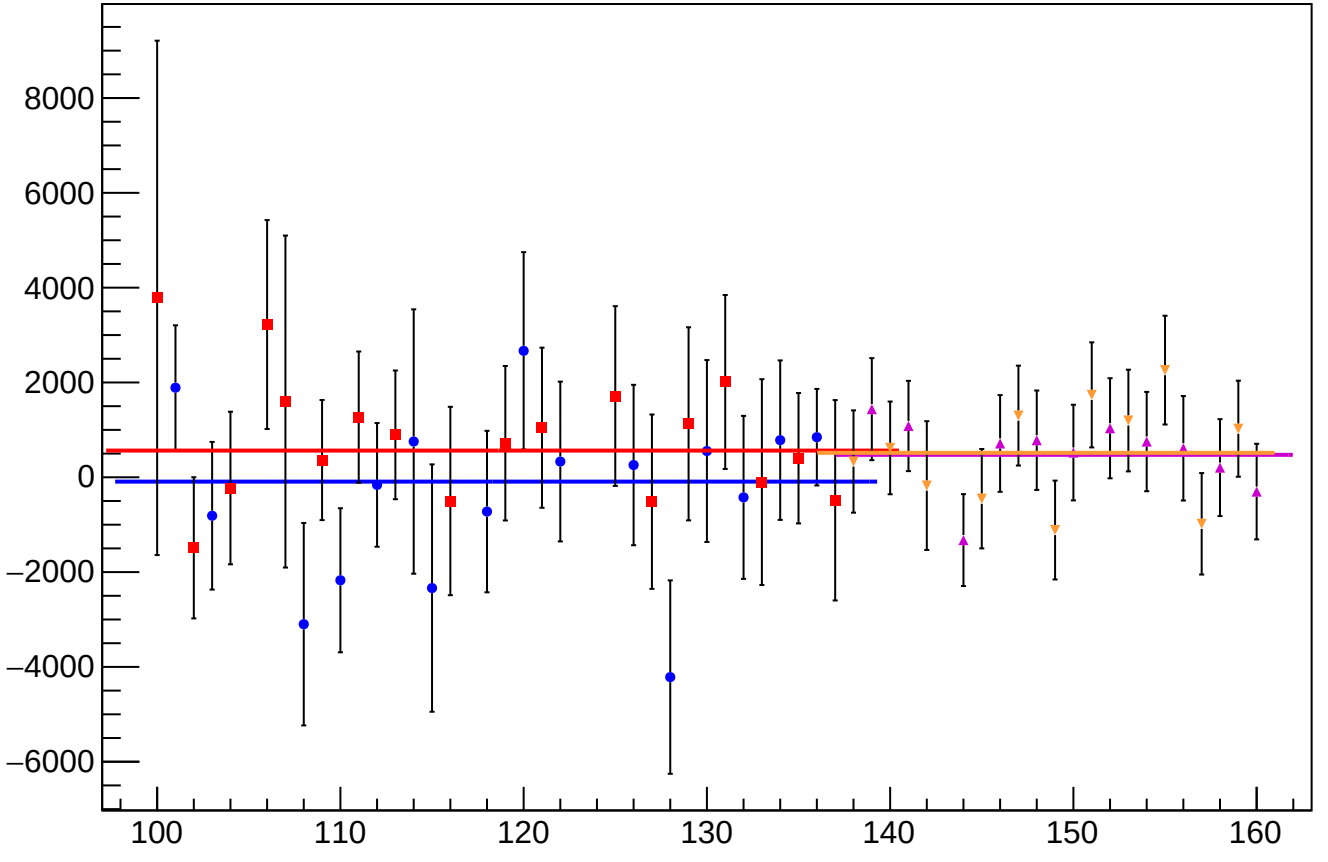
Left In: 538.355+/-0.124 χ^2/NDF:287256.5/10

\+ sign 589.033+/-0.108 χ^2/NDF: 1815433.0/26

All: 585.441+/-0.075 χ^2/NDF: 3822128.2/55

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

asym_us_dd_mean vs Slug



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

Left Out: 516.473+/-324.981 χ^2/NDF:10.3/10

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

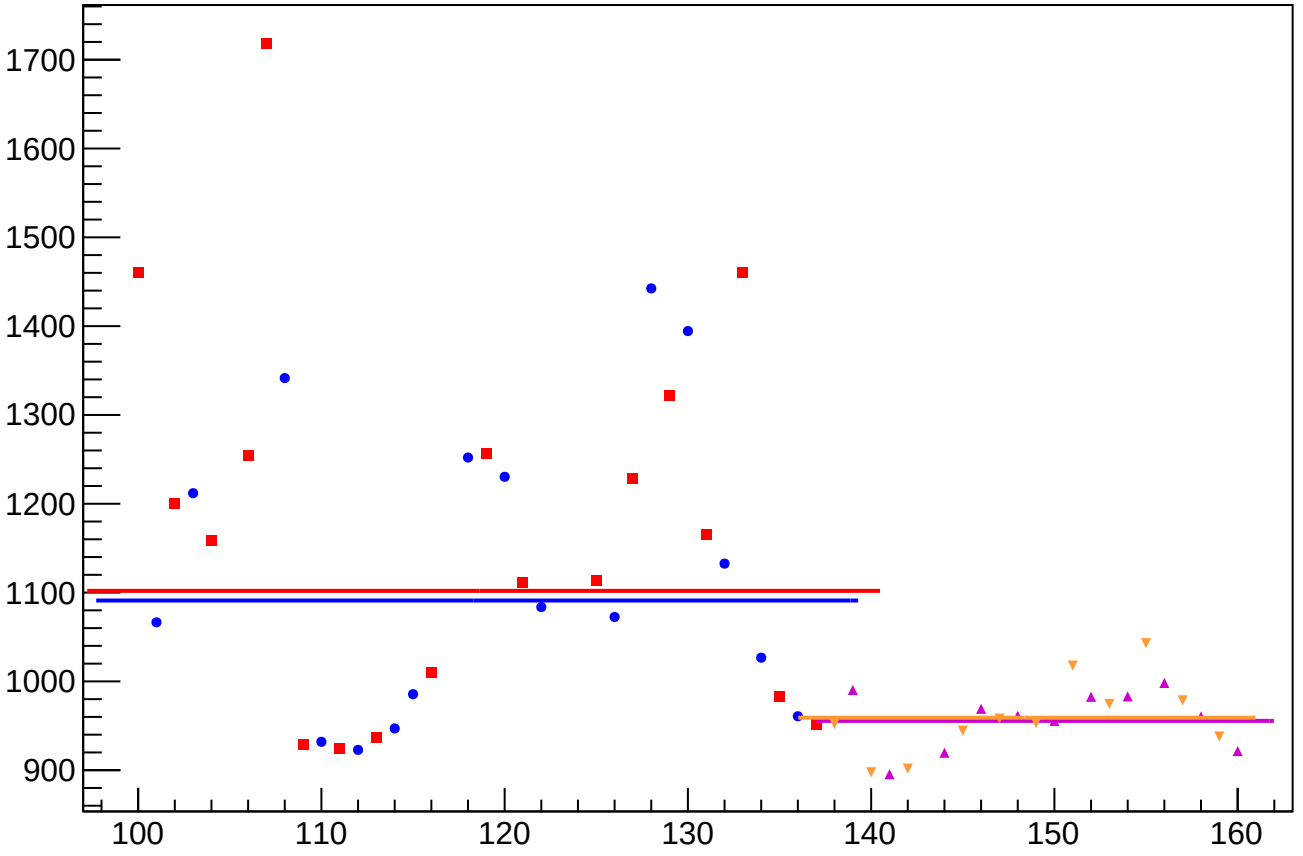
Left In: 473.537+/-309.299 χ^2/NDF:5.8/10

+ sign 281.930+/-254.669 χ^2/NDF: 26.2/26

All: 397.238+/-177.400 χ^2/NDF: 38.9/55

- 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: 959.138+/-0.230 χ^2/NDF:30249.6/10

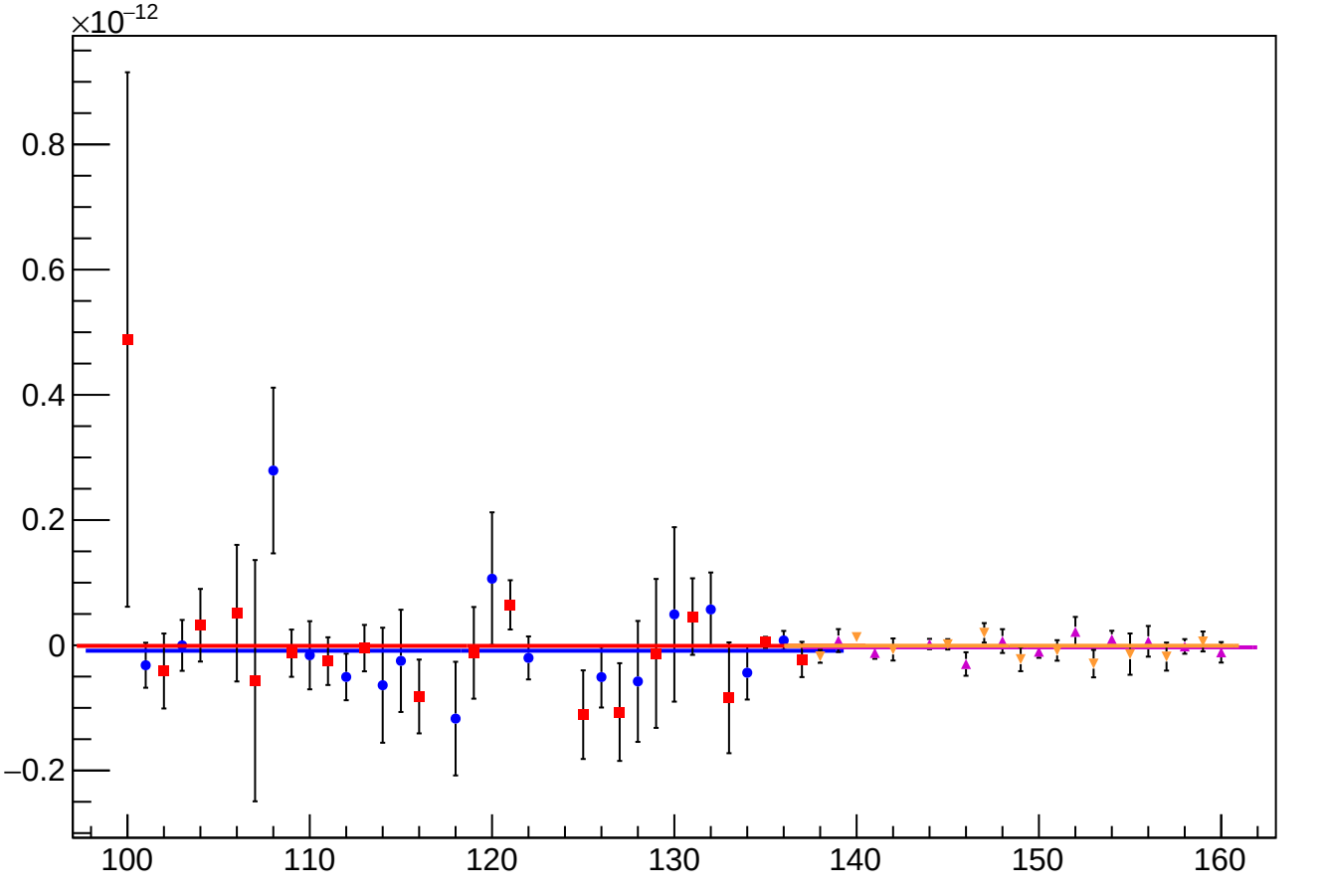
Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

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

+ sign 1010.039+/-0.180 χ^2/NDF: 434700.9/26

All: 1009.188+/-0.125 χ^2/NDF: 945838.7/55

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



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/10

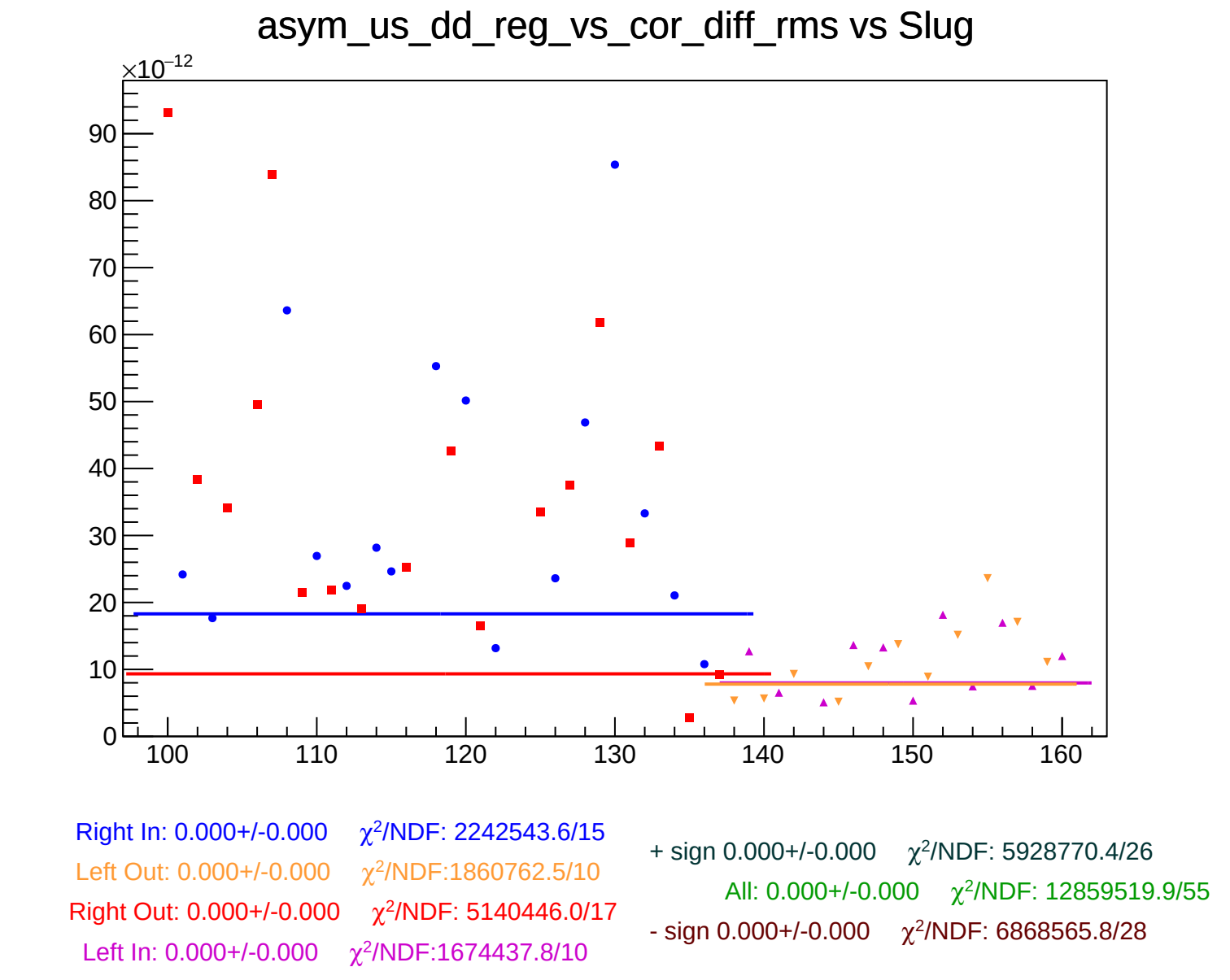
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

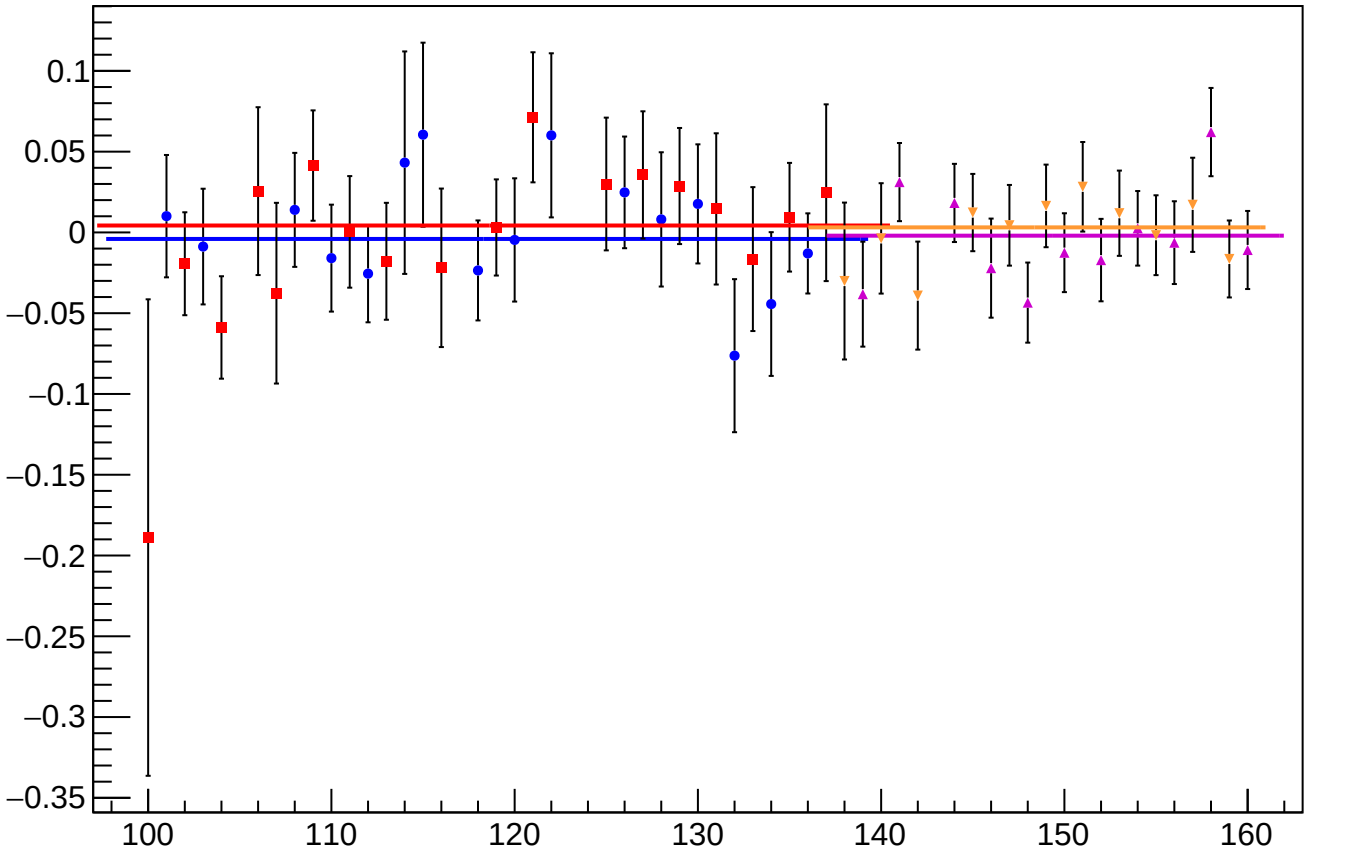
Left In: -0.000+/-0.000 χ^2/NDF:6.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 26.3/26

All: -0.000+/-0.000 χ^2/NDF: 47.6/55

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


asym_us_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1860762.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1674437.8/10
+ sign 0.000+/-0.000 χ²/NDF: 5928770.4/26
All: 0.000+/-0.000 χ²/NDF: 12859519.9/55
- sign 0.000+/-0.000 χ²/NDF: 6868565.8/28



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

Left Out: 0.003+/-0.008 χ^2/NDF:4.4/10

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

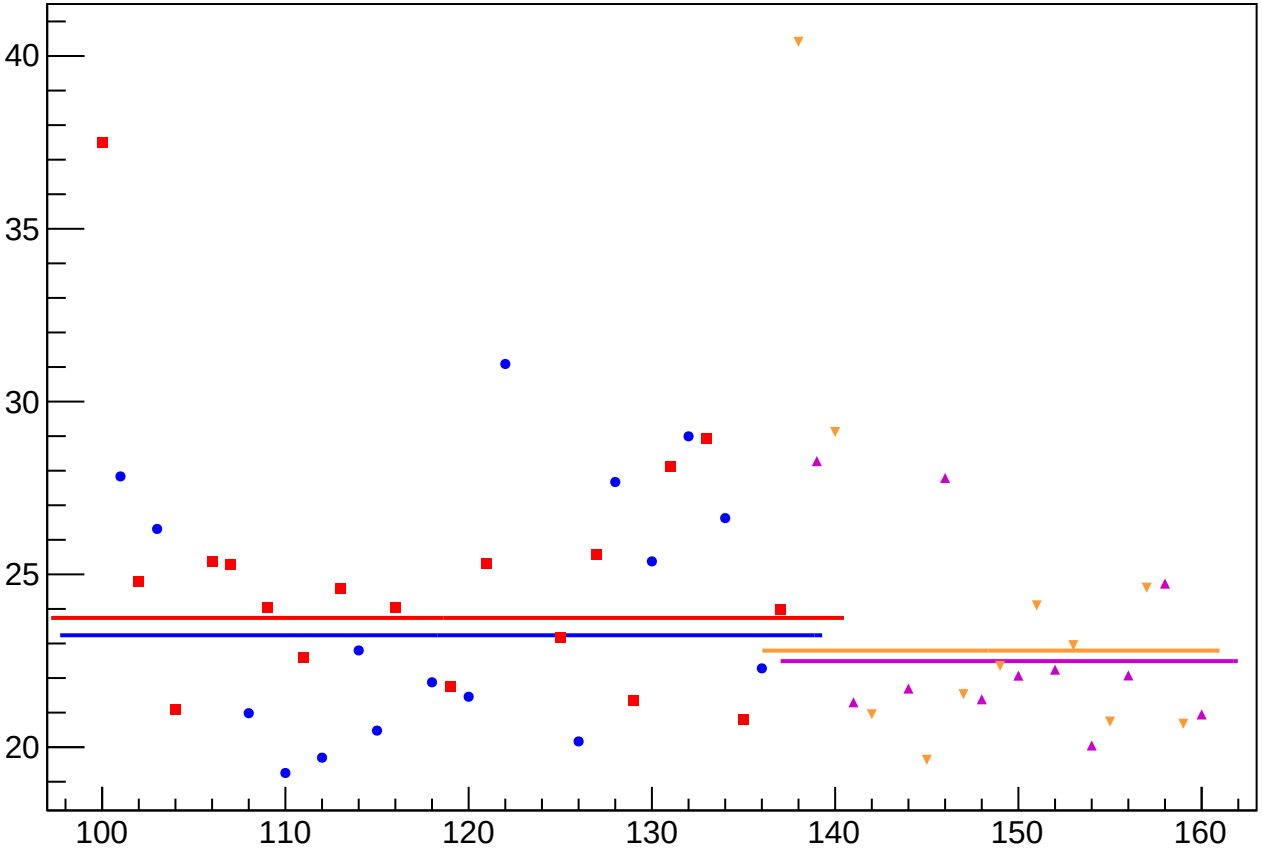
Left In: -0.002+/-0.008 χ^2/NDF:13.3/10

+ sign -0.000+/-0.006 χ^2/NDF: 13.9/26

All: 0.000+/-0.004 χ^2/NDF: 41.0/55

- 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: 22.794+/-0.006 χ^2/NDF:420281.2/10

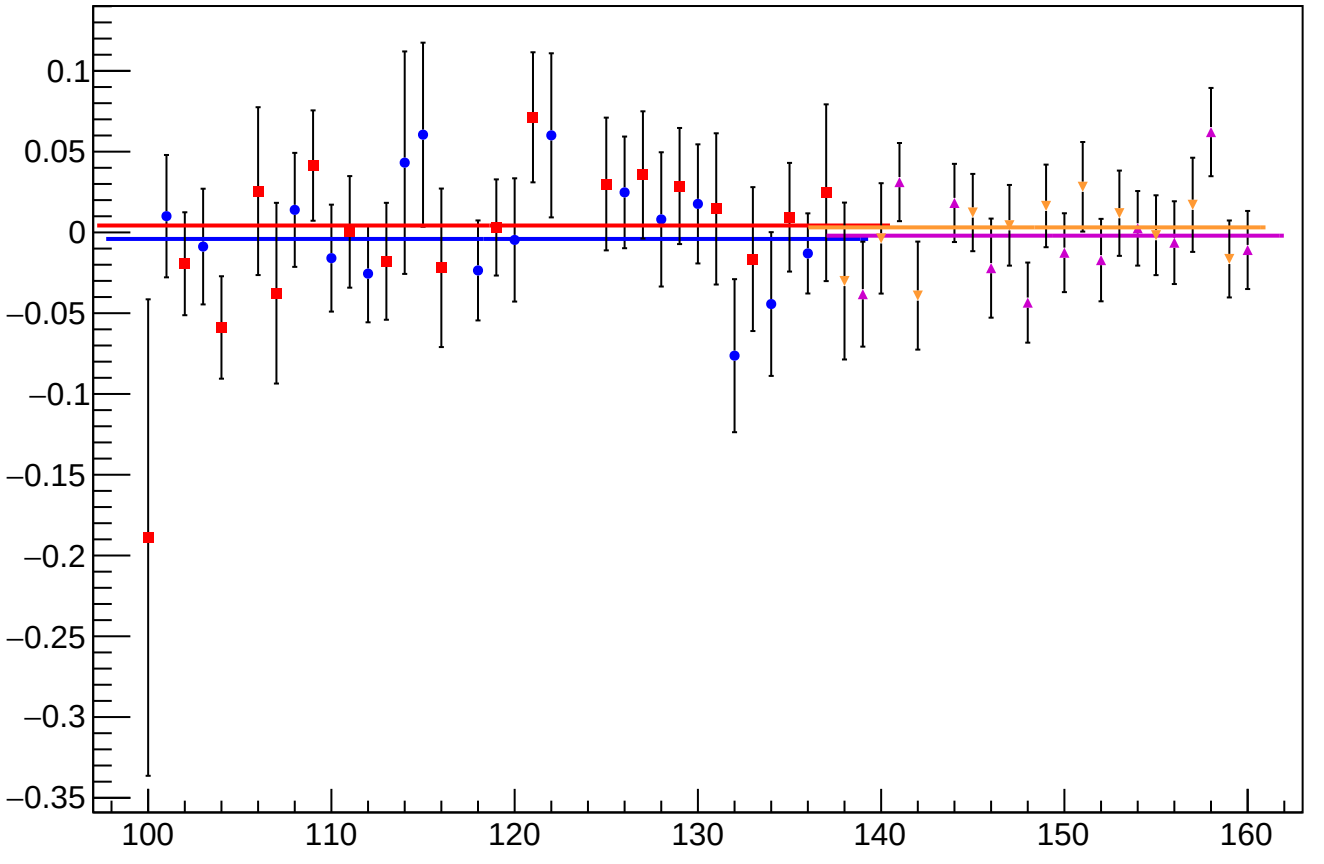
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

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

+ sign 22.993+/-0.004 χ^2/NDF: 682057.5/26

All: 22.997+/-0.003 χ^2/NDF: 1009030.3/55

- 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: 0.003+/-0.008 χ^2/NDF:4.4/10

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

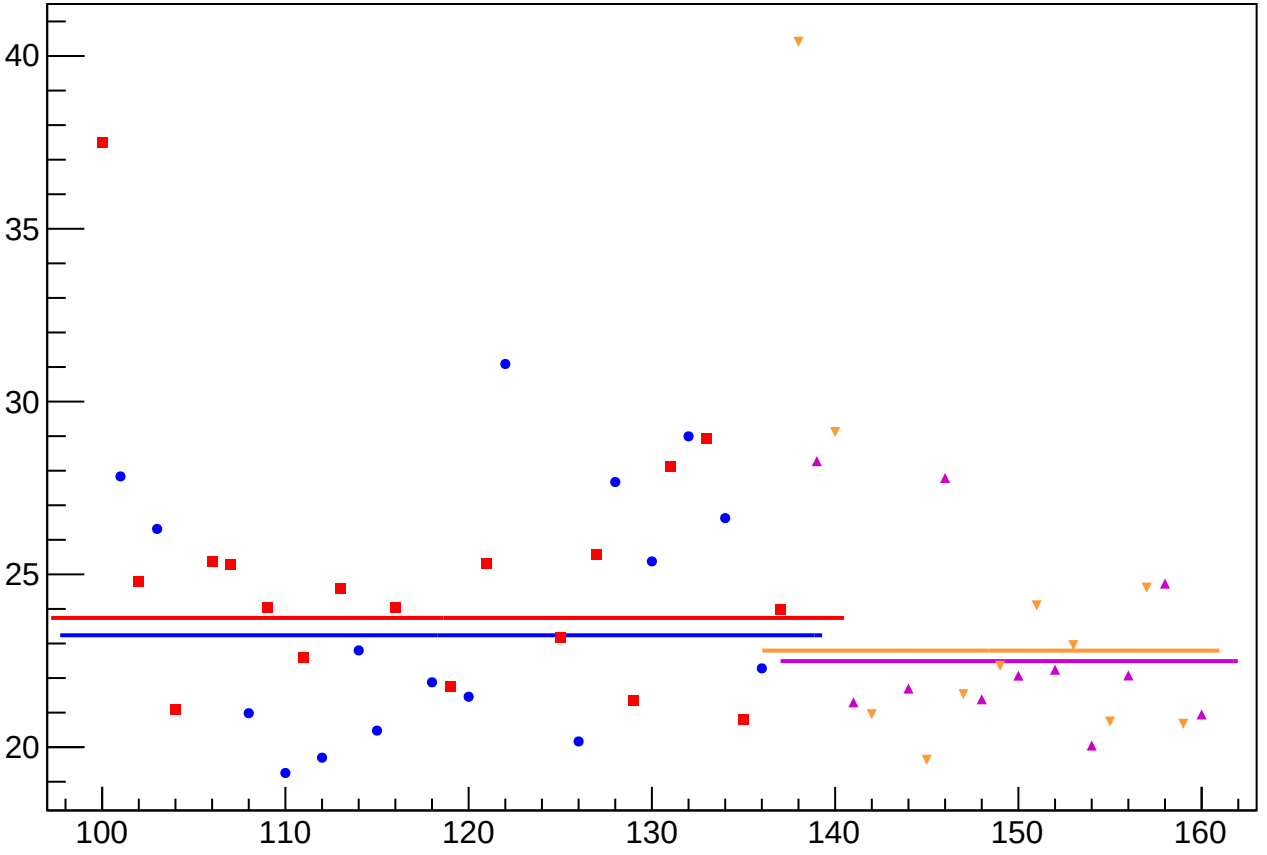
Left In: -0.002+/-0.008 χ^2/NDF:13.3/10

+ sign -0.000+/-0.006 χ^2/NDF: 13.9/26

All: 0.000+/-0.004 χ^2/NDF: 41.0/55

- 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: 22.794+/-0.006 χ^2/NDF:420281.2/10

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

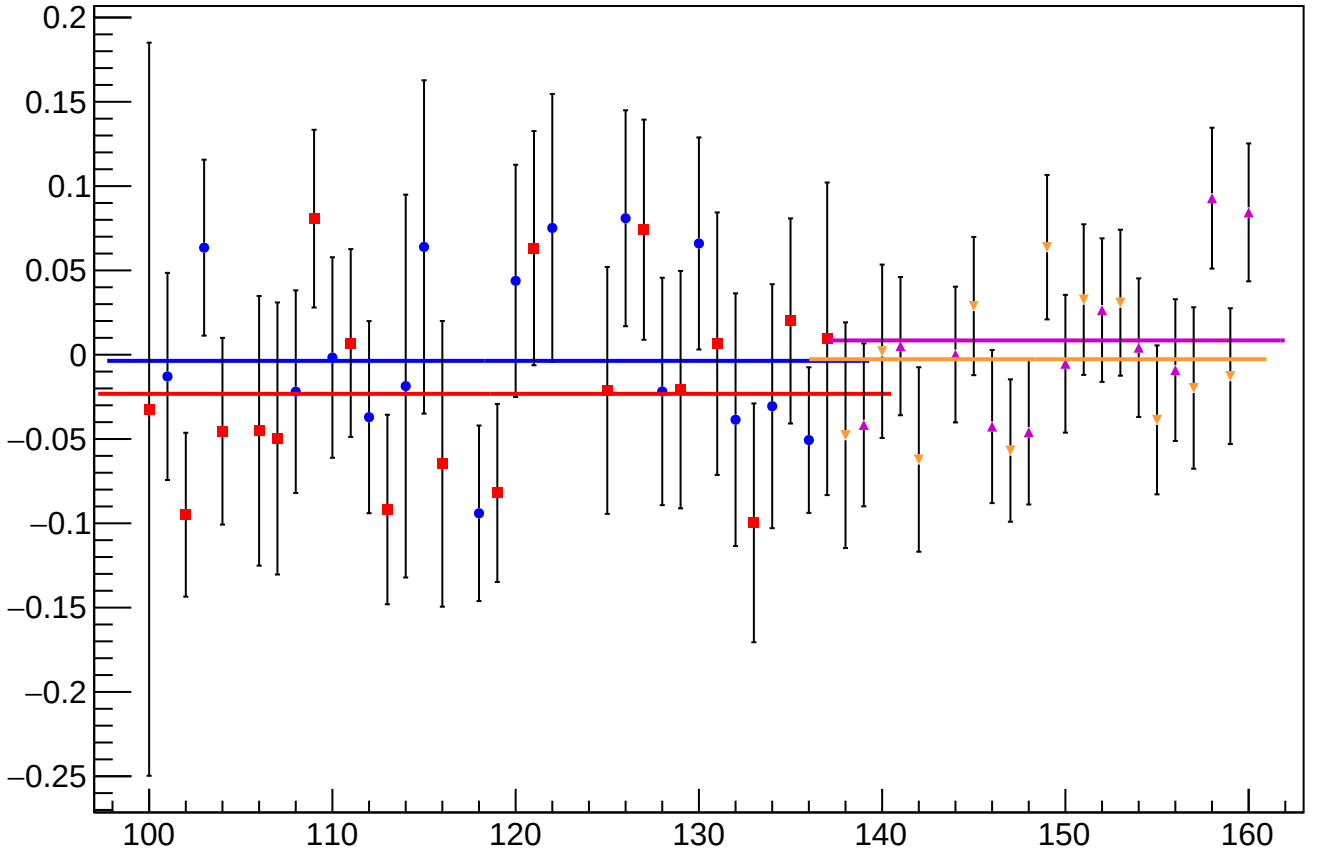
Left In: 22.490+/-0.005 χ^2/NDF:179468.2/10

+ sign 22.993+/-0.004 χ^2/NDF: 682057.5/26

All: 22.997+/-0.003 χ^2/NDF: 1009030.3/55

- 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: -0.003+/-0.014 χ^2/NDF:8.4/10

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

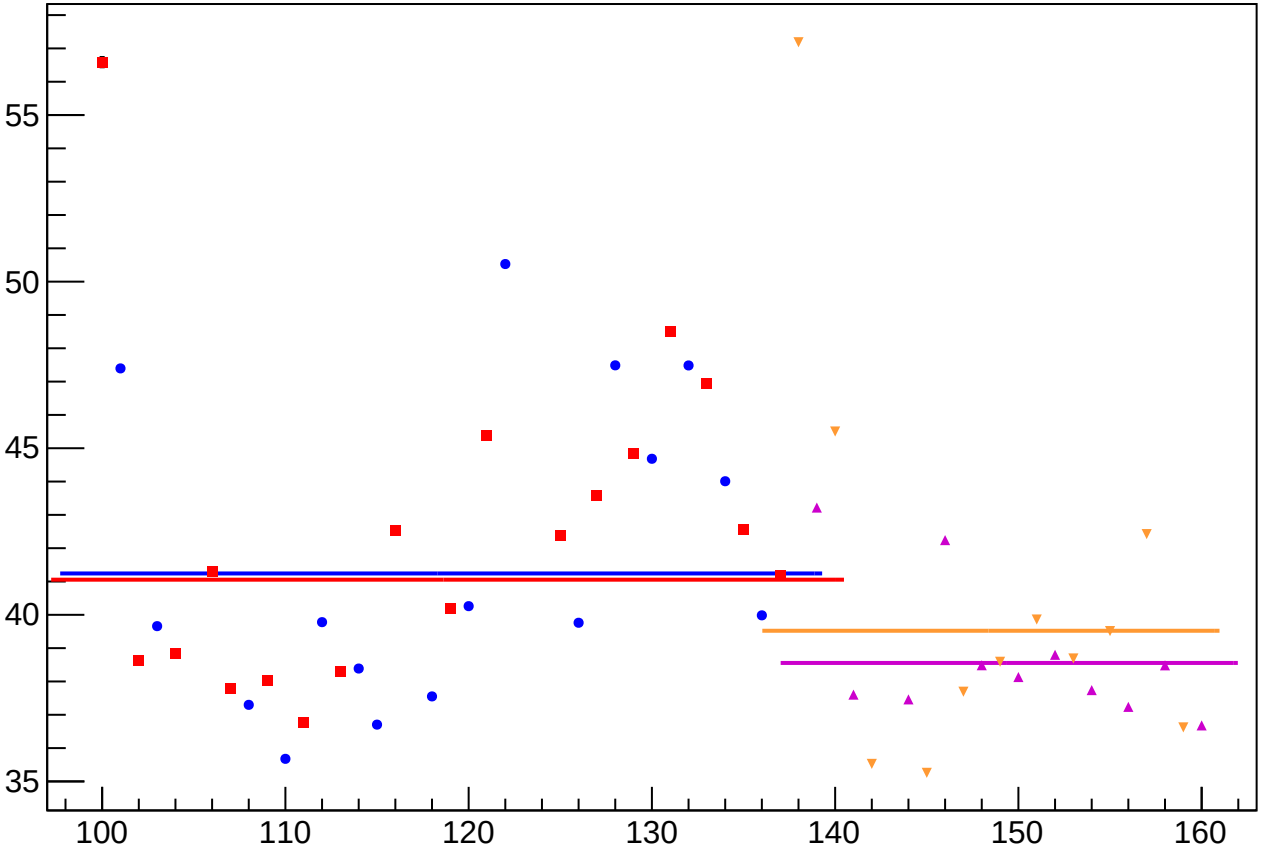
Left In: 0.008+/-0.013 χ^2/NDF:12.0/10

+ sign -0.003+/-0.010 χ^2/NDF: 20.0/26

All: -0.004+/-0.007 χ^2/NDF: 49.9/55

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

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 39.522+/-0.010 χ^2/NDF:222004.9/10

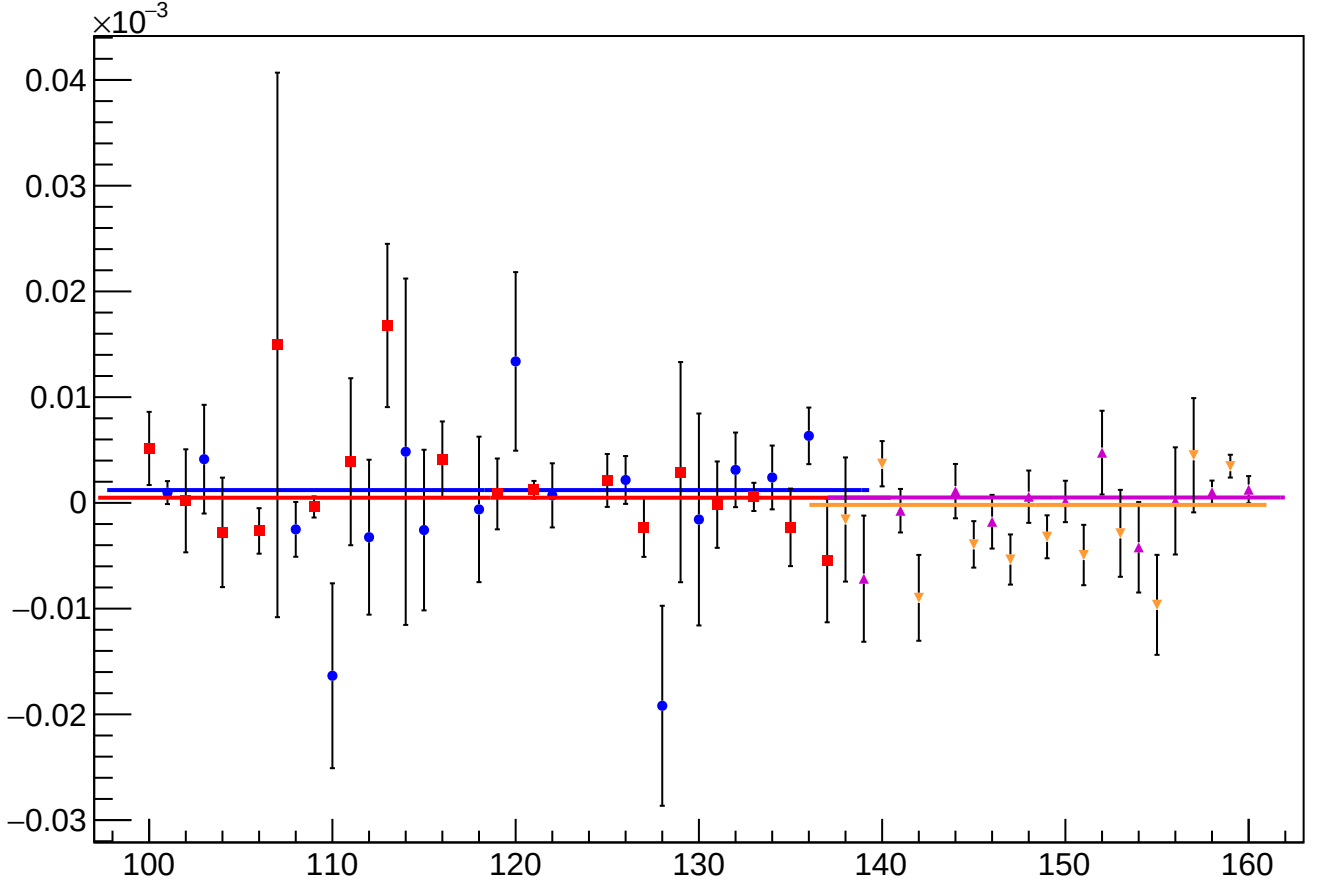
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

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

+ sign 40.271+/-0.007 χ^2/NDF: 370773.0/26

All: 39.899+/-0.005 χ^2/NDF: 544826.7/55

- 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:37.4/10

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

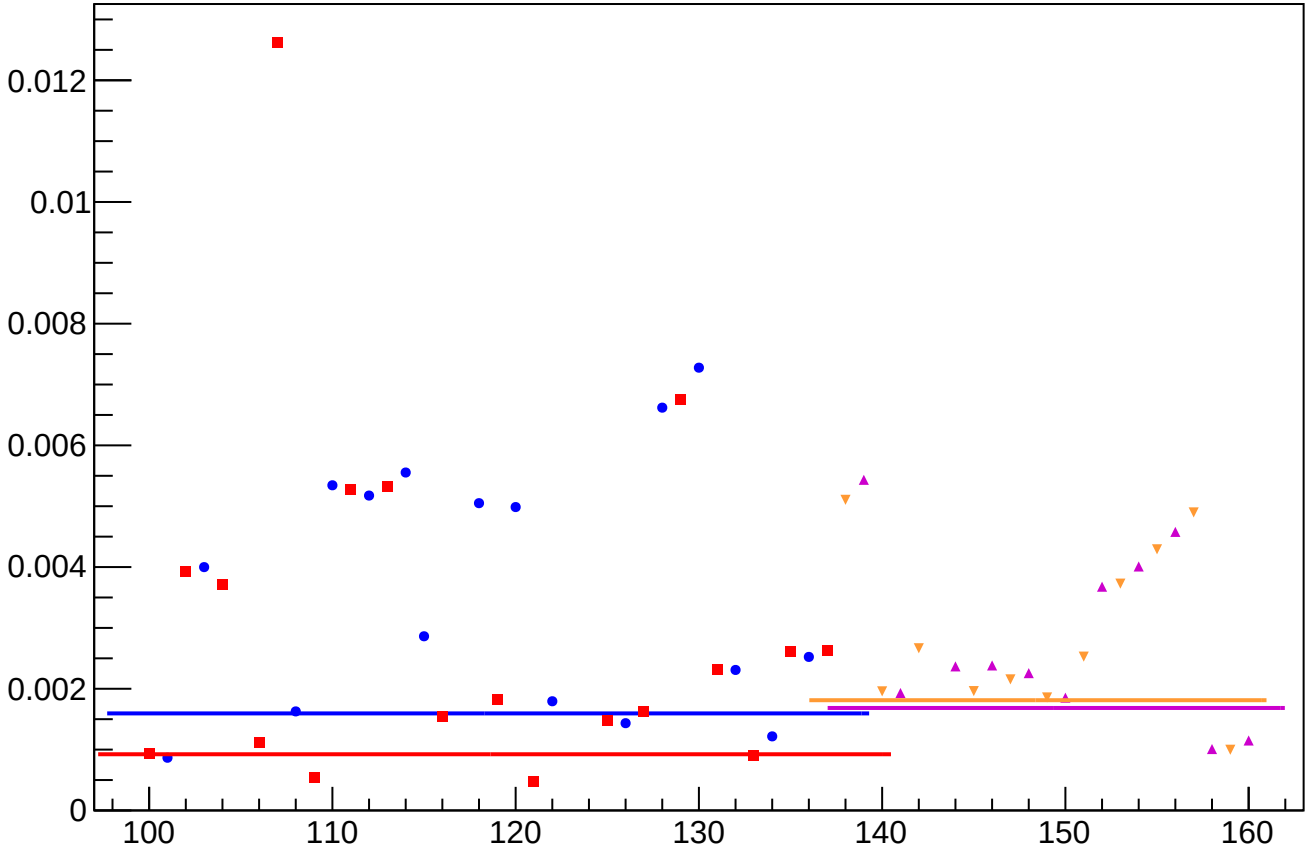
Left In: 0.000+/-0.000 χ^2/NDF:5.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 57.6/26

All: 0.000+/-0.000 χ^2/NDF: 78.4/55

- 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:3681598.9/10

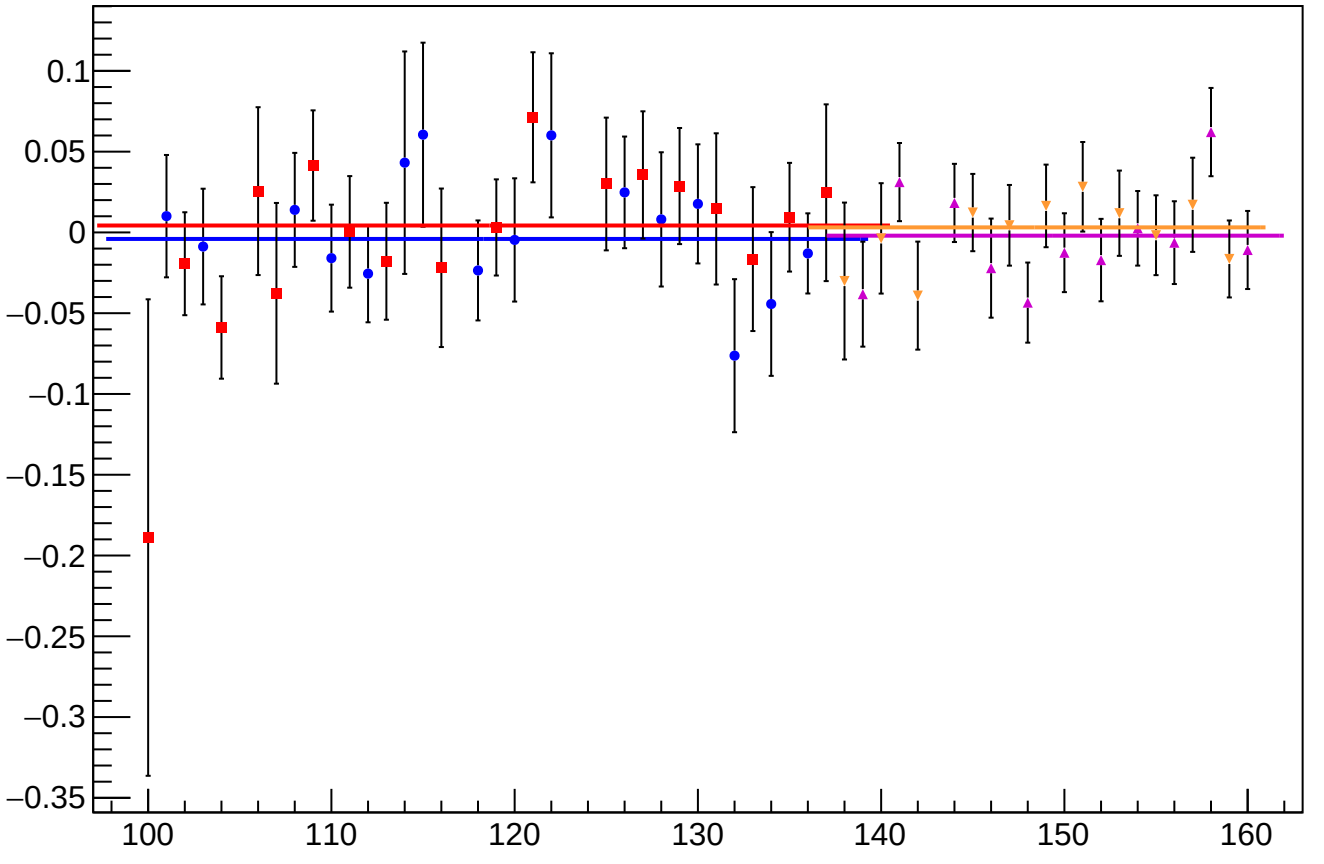
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

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

+ sign 0.002+/-0.000 χ^2/NDF: 8533222.6/26

All: 0.001+/-0.000 χ^2/NDF: 21390115.4/55

- 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: 0.003+/-0.008 χ^2/NDF:4.4/10

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

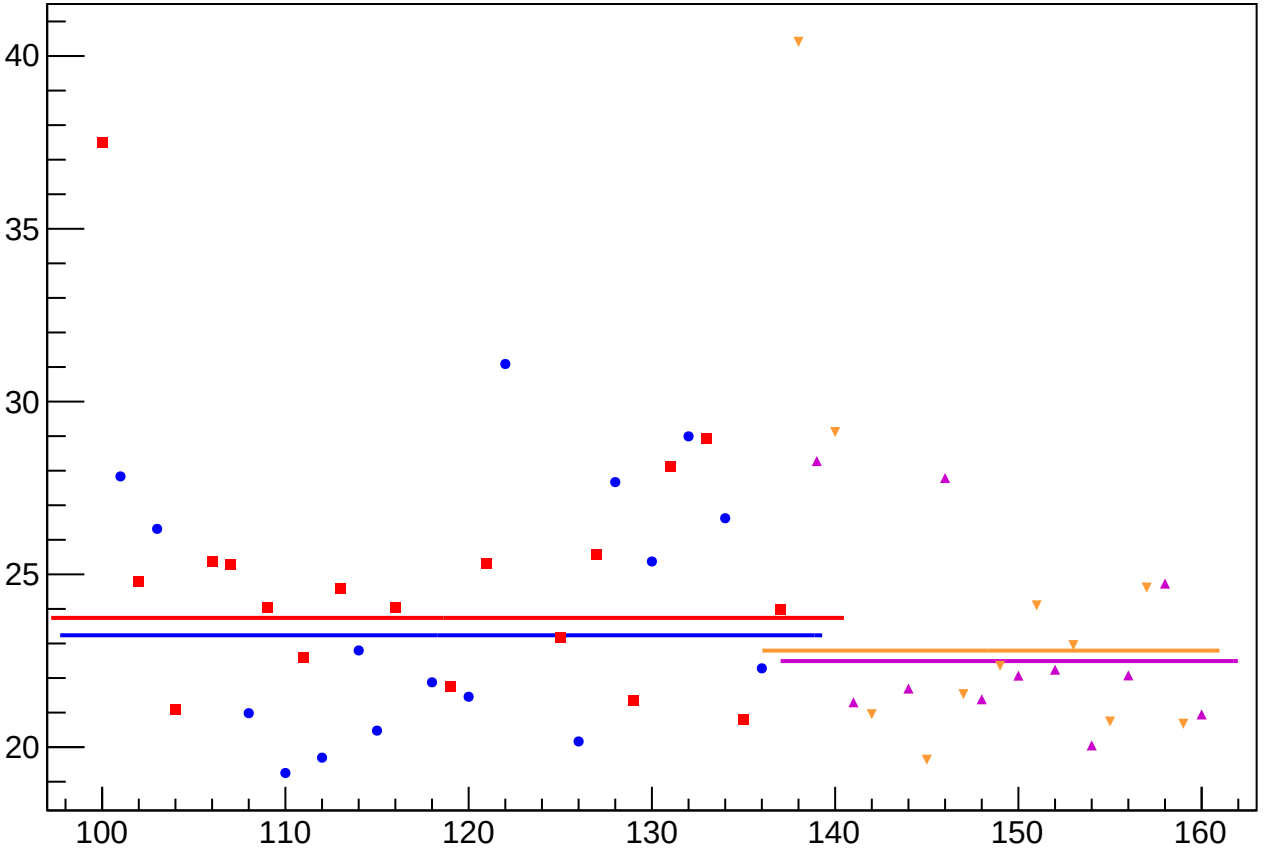
Left In: -0.002+/-0.008 χ^2/NDF:13.3/10

+ sign -0.000+/-0.006 χ^2/NDF: 13.9/26

All: 0.000+/-0.004 χ^2/NDF: 41.0/55

- 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: 22.794+/-0.006 χ^2/NDF:420300.4/10

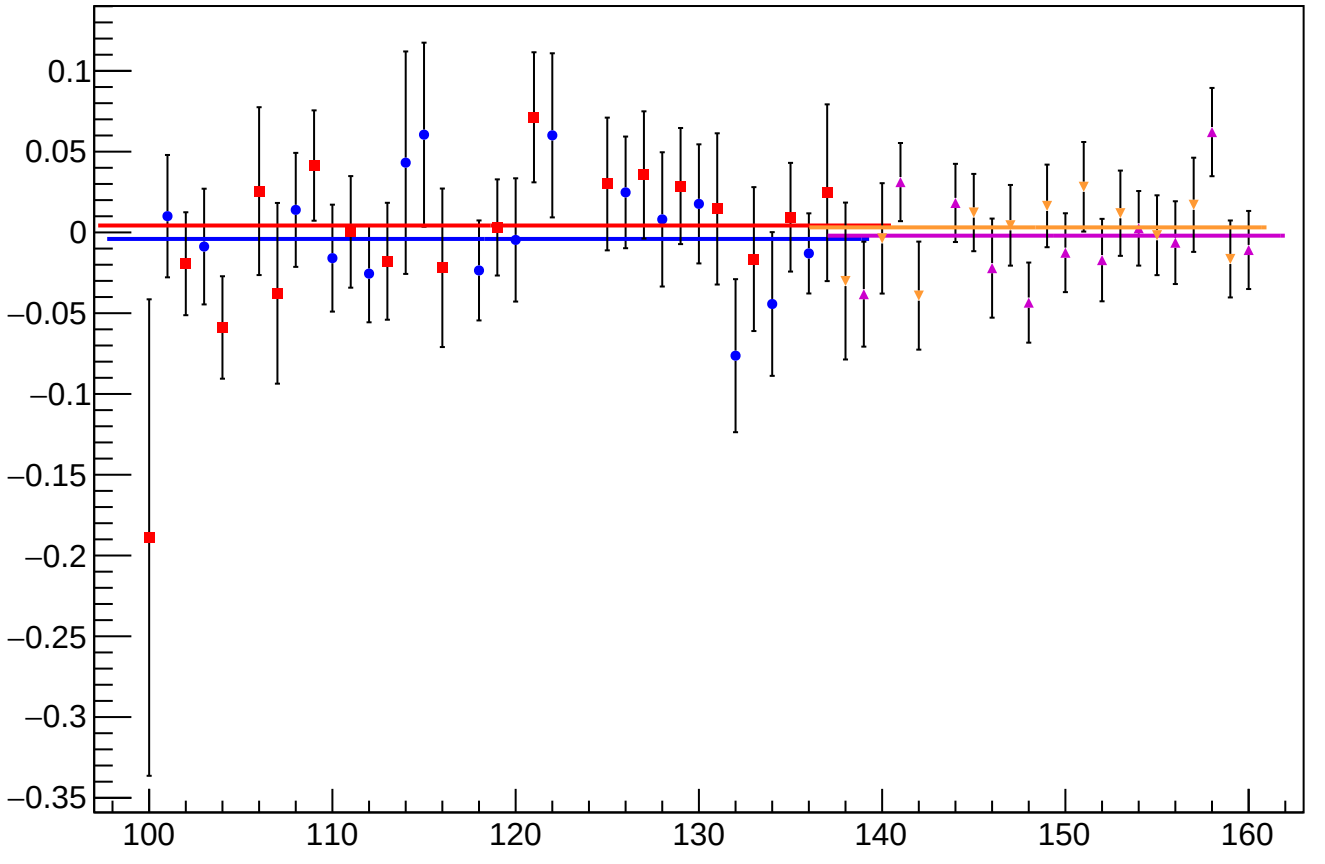
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

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

+ sign 22.993+/-0.004 χ^2/NDF: 682056.1/26

All: 22.997+/-0.003 χ^2/NDF: 1008948.7/55

- 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: 0.003+/-0.008 χ^2/NDF:4.4/10

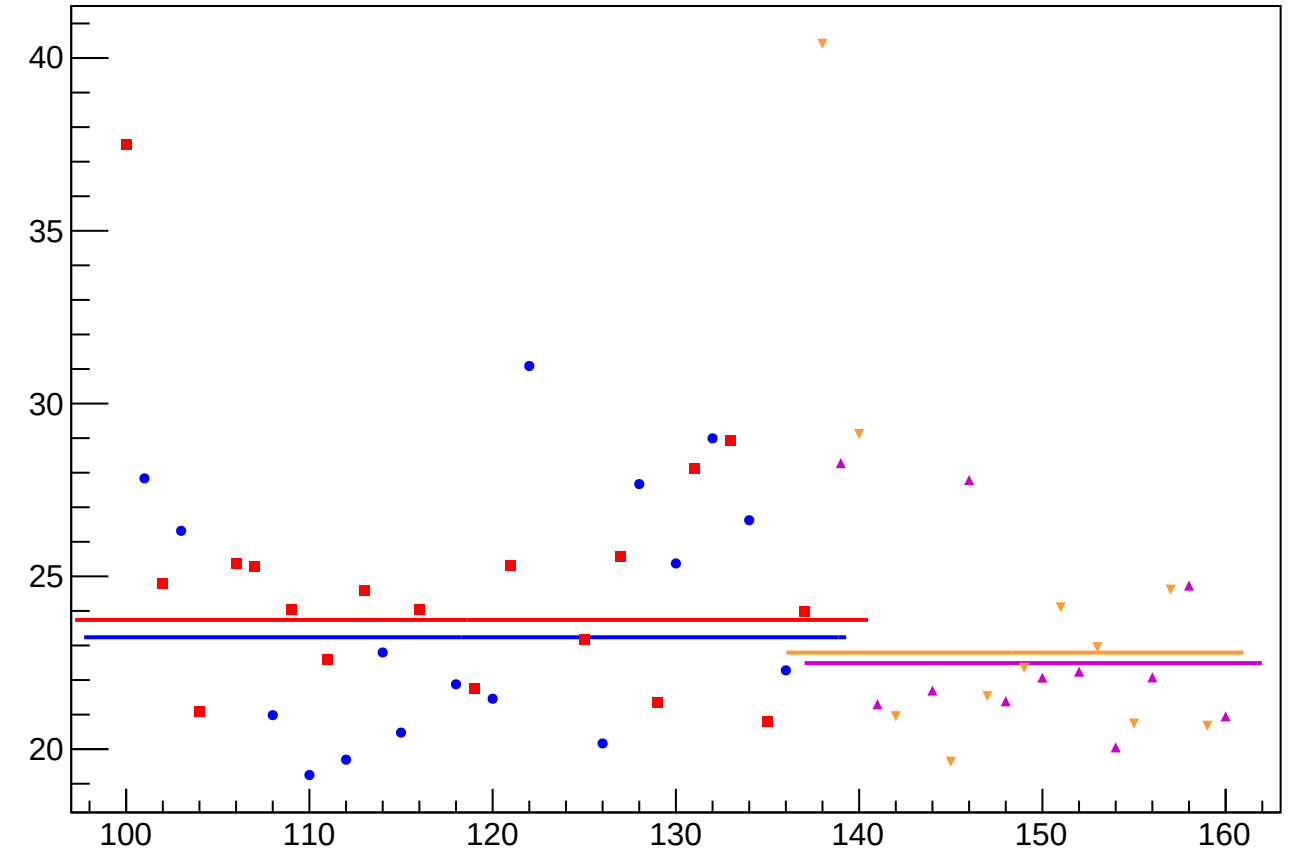
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

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

+ sign -0.000+/-0.006 χ^2/NDF: 13.9/26

All: 0.000+/-0.004 χ^2/NDF: 41.0/55

- 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: 22.794+/-0.006 χ^2/NDF:420300.4/10

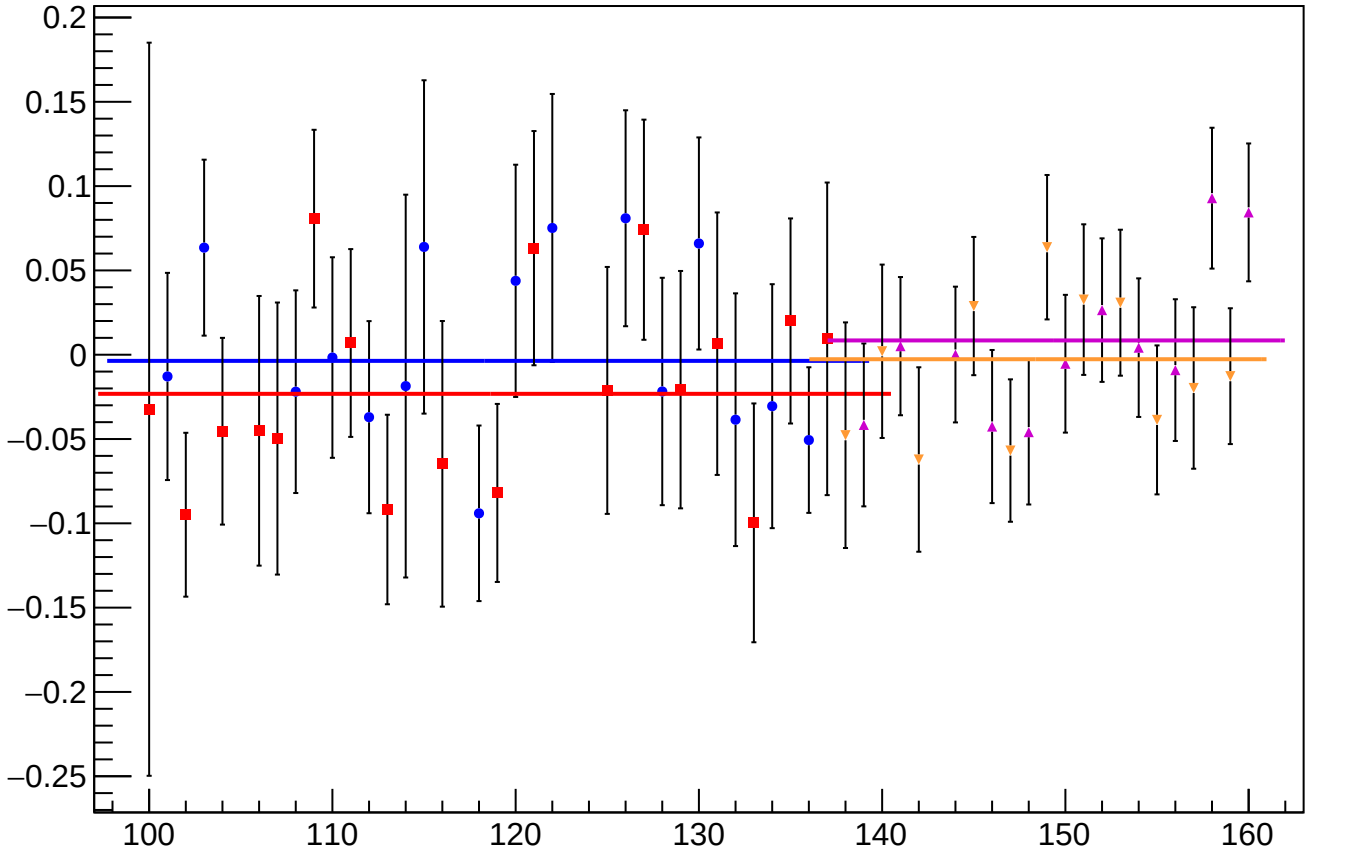
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

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

+ sign 22.993+/-0.004 χ^2/NDF: 682056.1/26

All: 22.997+/-0.003 χ^2/NDF: 1008948.7/55

- 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: -0.003+/-0.014 χ^2/NDF:8.4/10

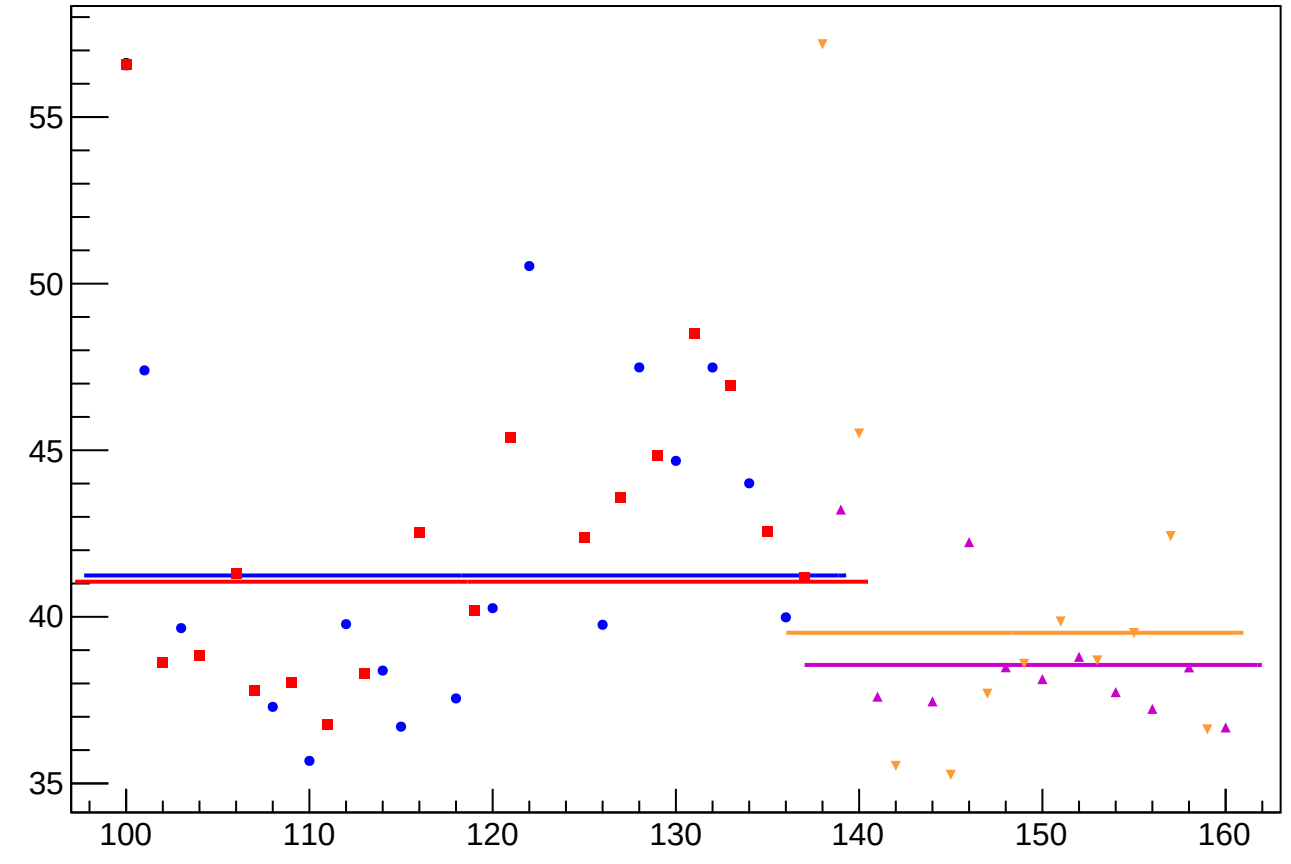
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

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

+ sign -0.003+/-0.010 χ^2/NDF: 20.0/26

All: -0.004+/-0.007 χ^2/NDF: 49.9/55

- 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: 39.522+/-0.010 χ^2/NDF:222009.3/10

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

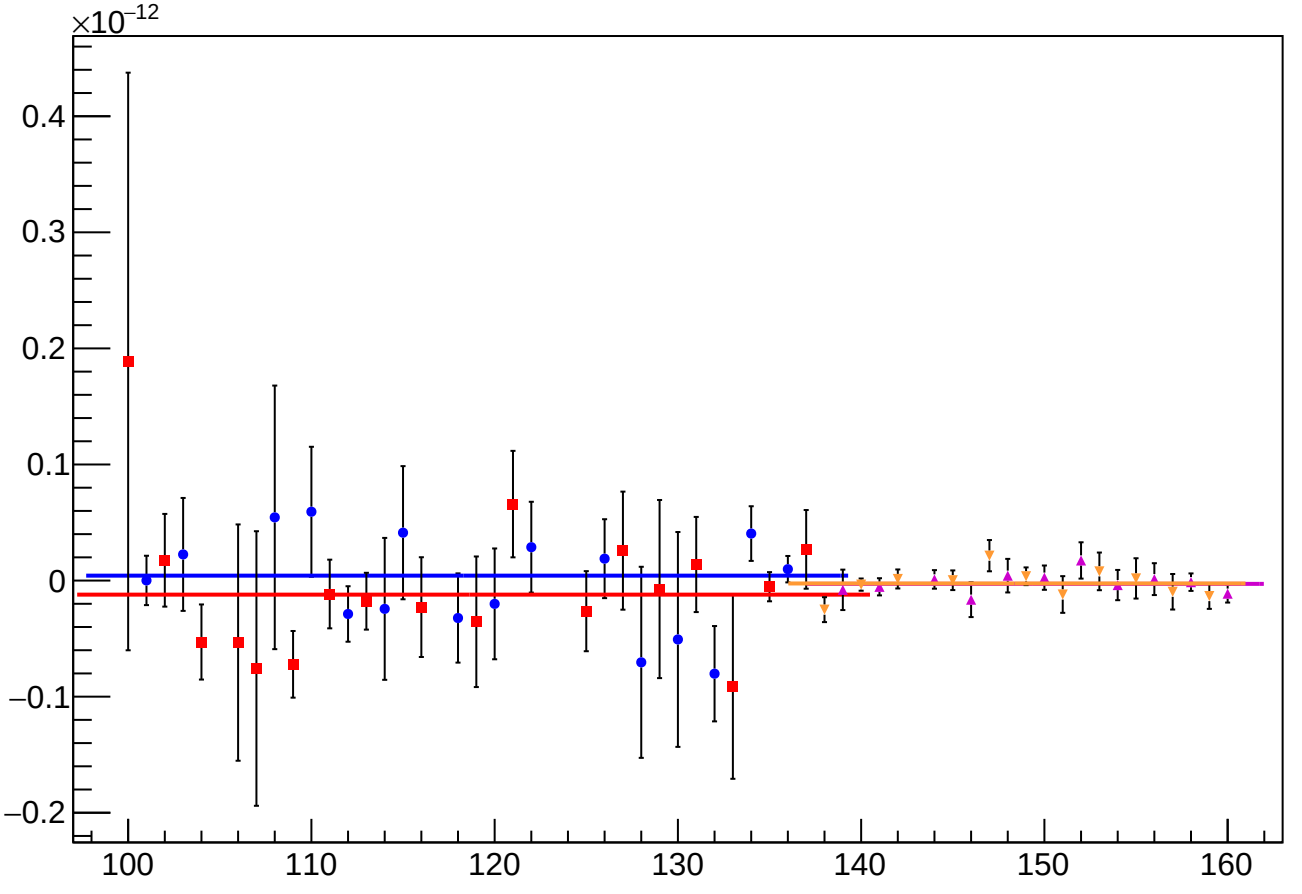
Left In: 38.556+/-0.009 χ^2/NDF:41628.9/10

+ sign 40.271+/-0.007 χ^2/NDF: 370749.9/26

All: 39.899+/-0.005 χ^2/NDF: 544790.3/55

- 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:10.6/10

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

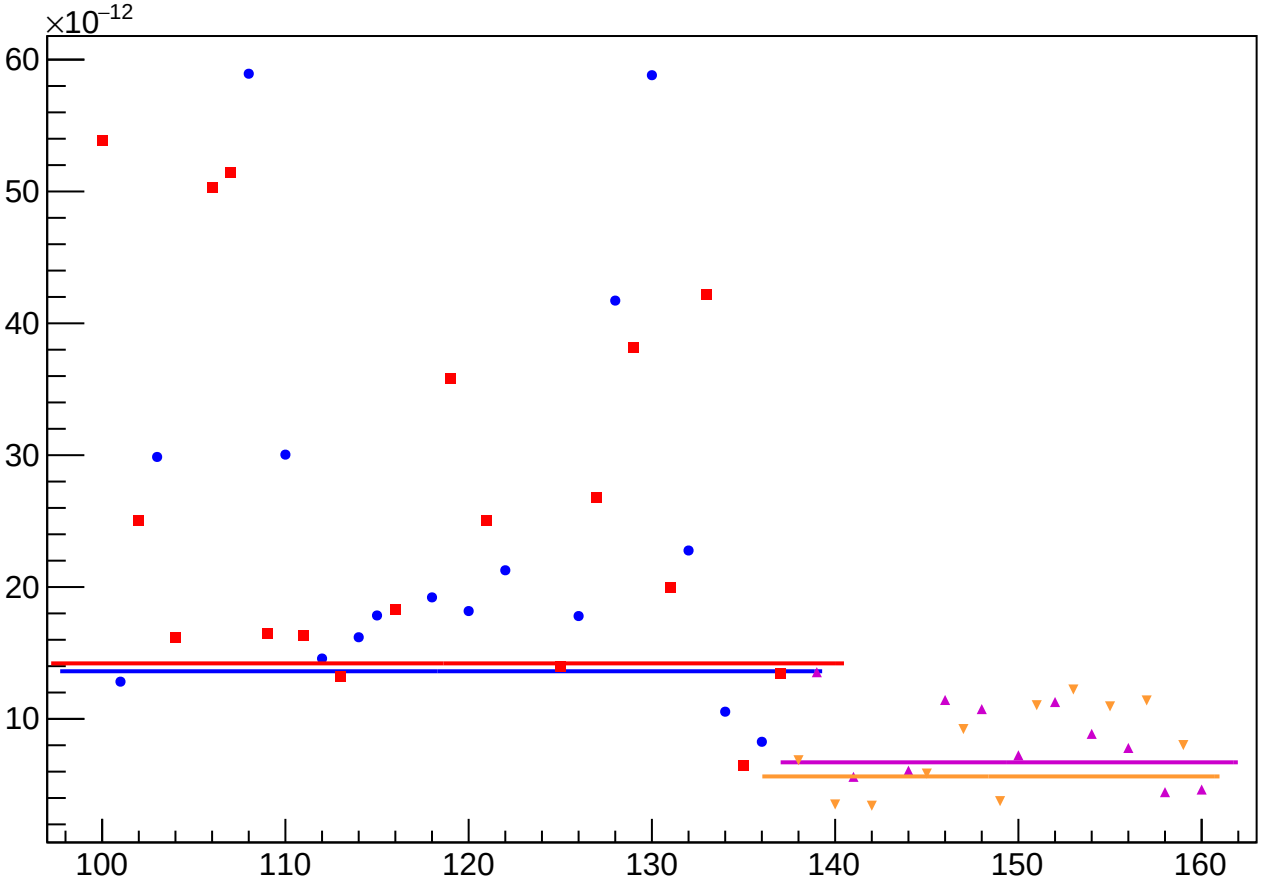
Left In: -0.000+/-0.000 χ^2/NDF:4.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 25.0/26

All: -0.000+/-0.000 χ^2/NDF: 45.9/55

- 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:1891126.8/10

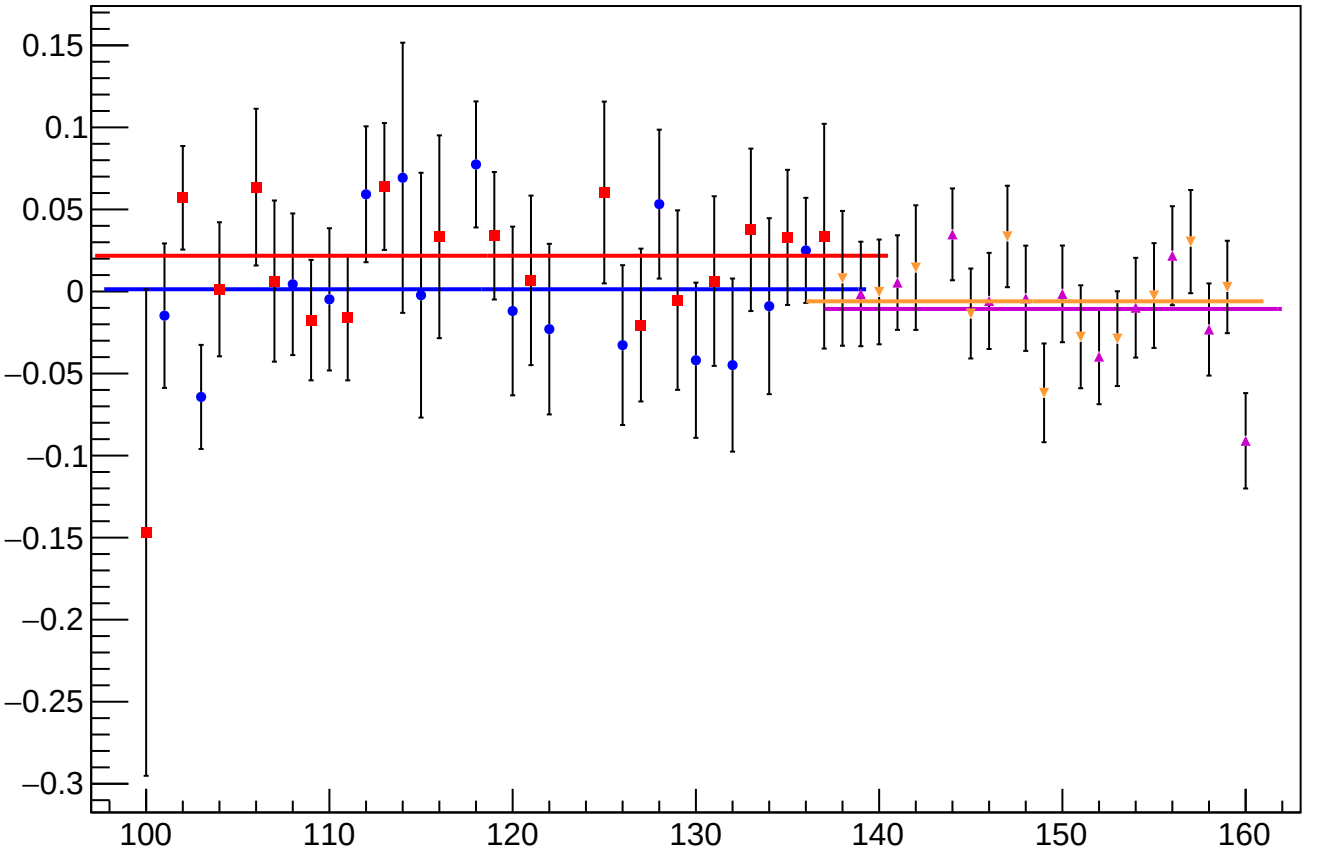
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

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

+ sign 0.000+/-0.000 χ^2/NDF: 6107173.4/26

All: 0.000+/-0.000 χ^2/NDF: 11609125.5/55

- 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: -0.006+/-0.009 χ^2/NDF:8.1/10

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

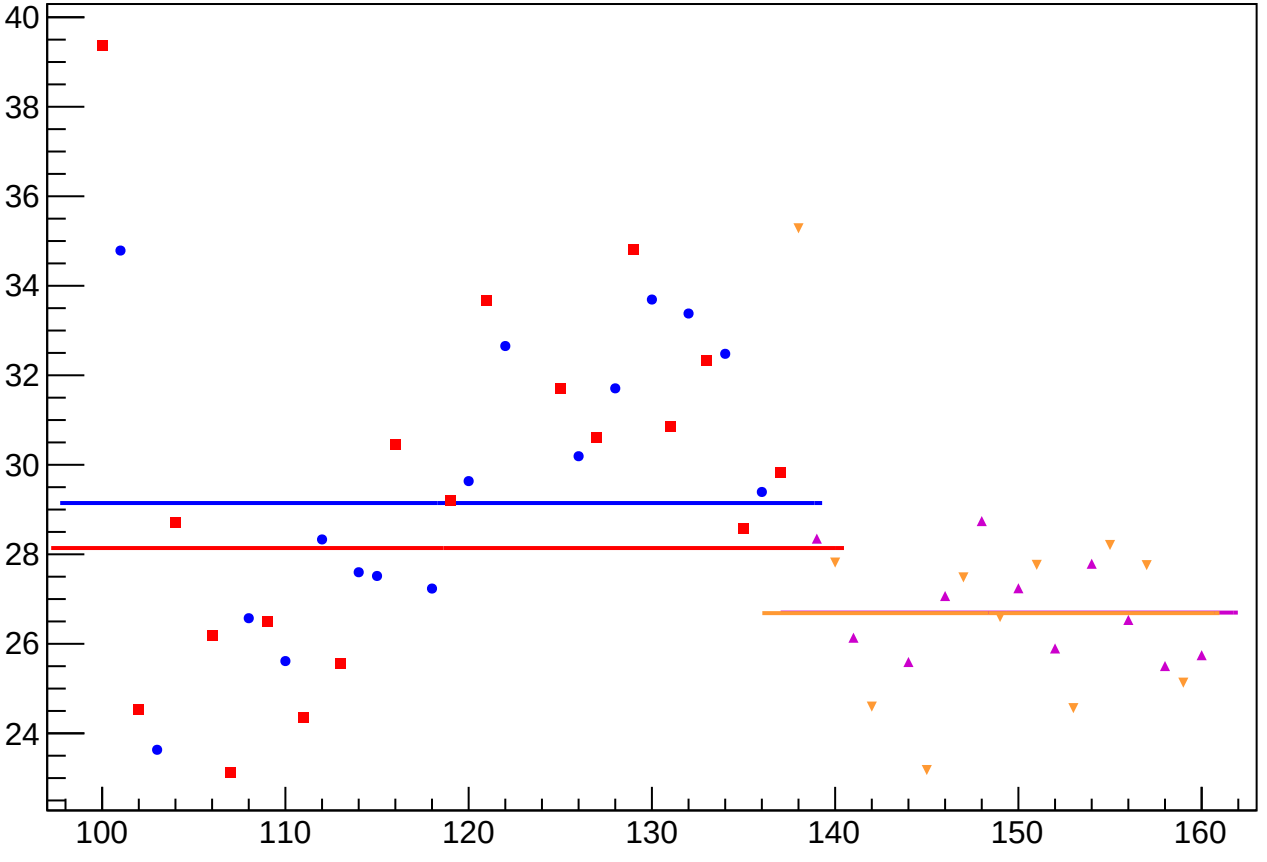
Left In: -0.011+/-0.009 χ^2/NDF:13.2/10

+ sign -0.003+/-0.007 χ^2/NDF: 23.6/26

All: -0.000+/-0.005 χ^2/NDF: 51.6/55

- 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: 26.686+/-0.007 χ^2/NDF:156413.5/10

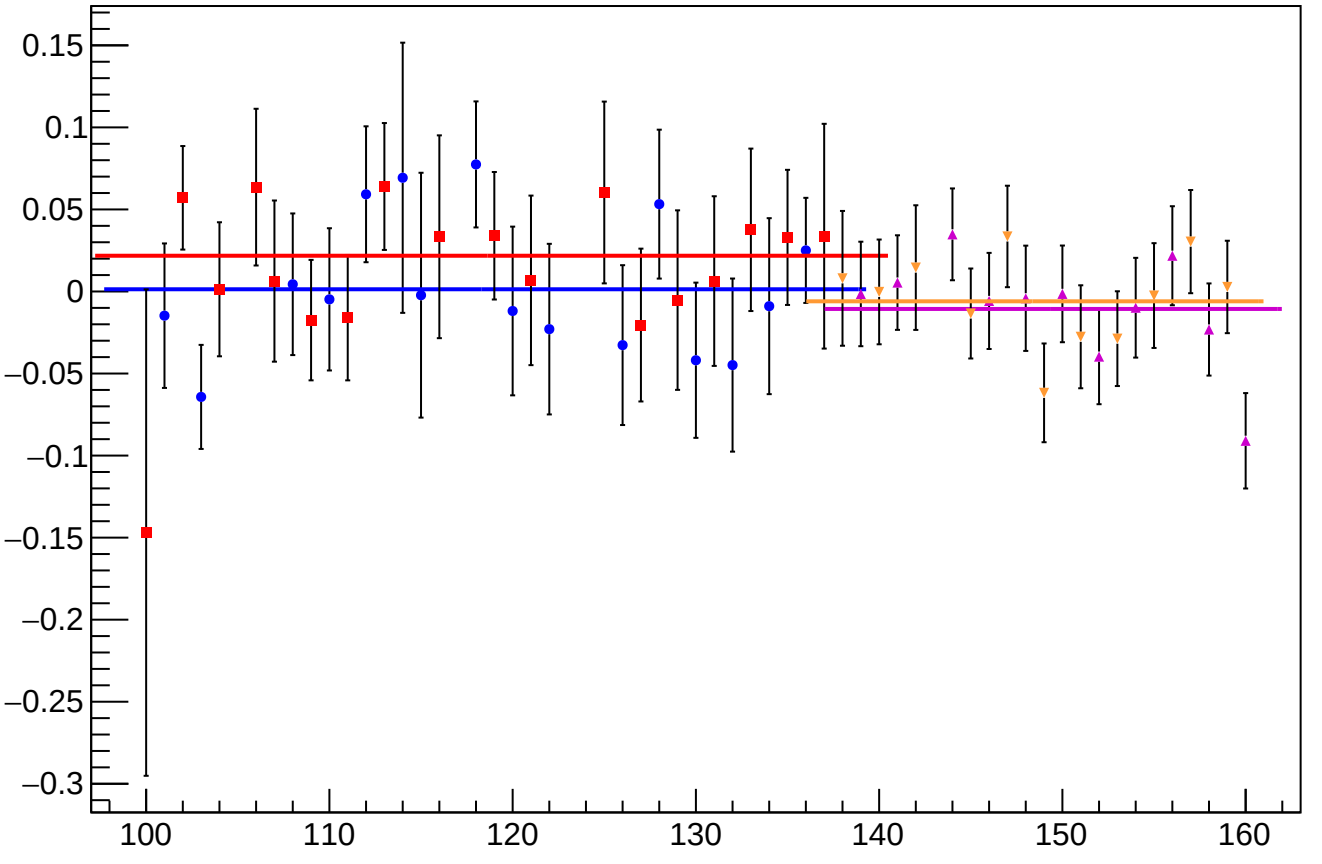
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

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

+ sign 27.706+/-0.005 χ^2/NDF: 389628.9/26

All: 27.484+/-0.004 χ^2/NDF: 629903.0/55

- 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: -0.006+/-0.009 χ^2/NDF:8.1/10

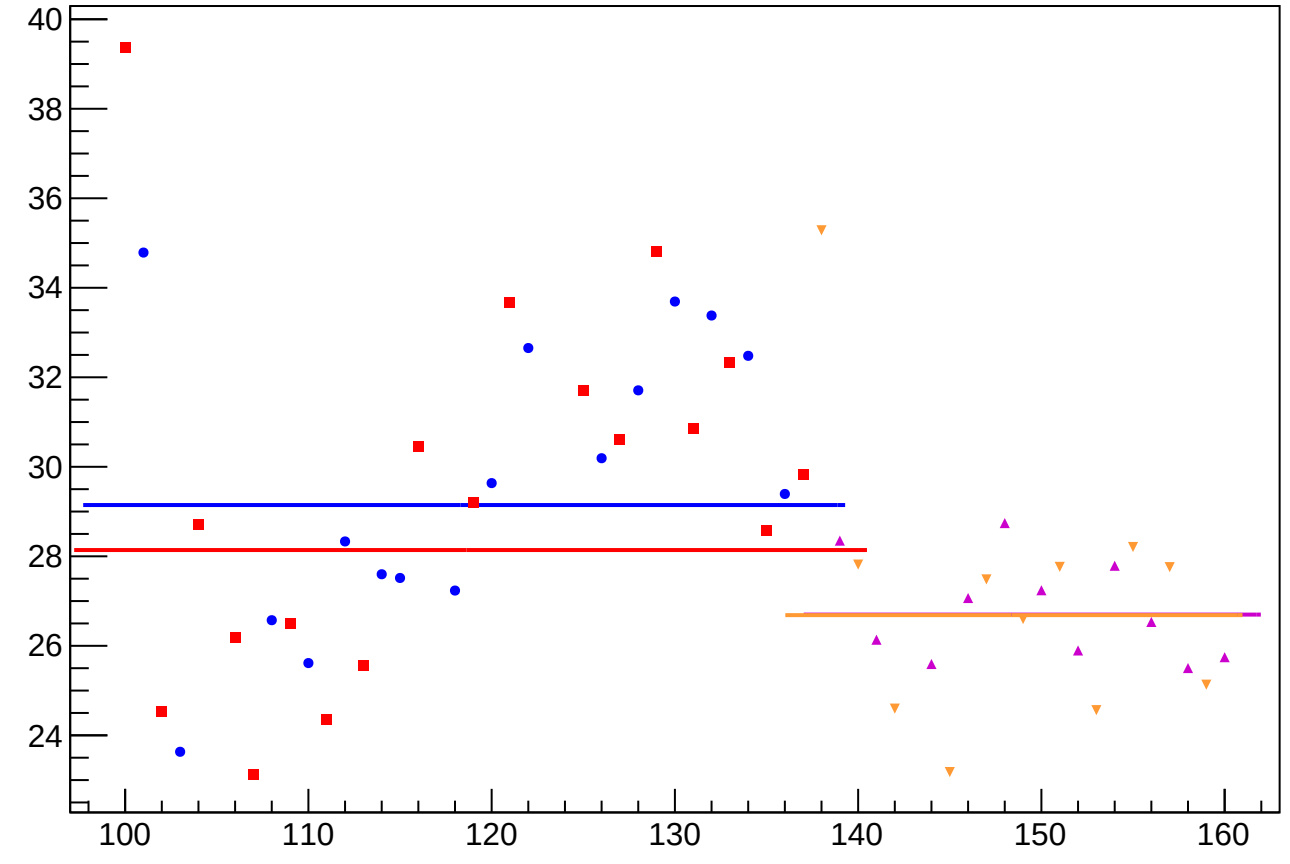
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

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

+ sign -0.003+/-0.007 χ^2/NDF: 23.6/26

All: -0.000+/-0.005 χ^2/NDF: 51.6/55

- 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: 26.686+/-0.007 χ^2/NDF:156413.5/10

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

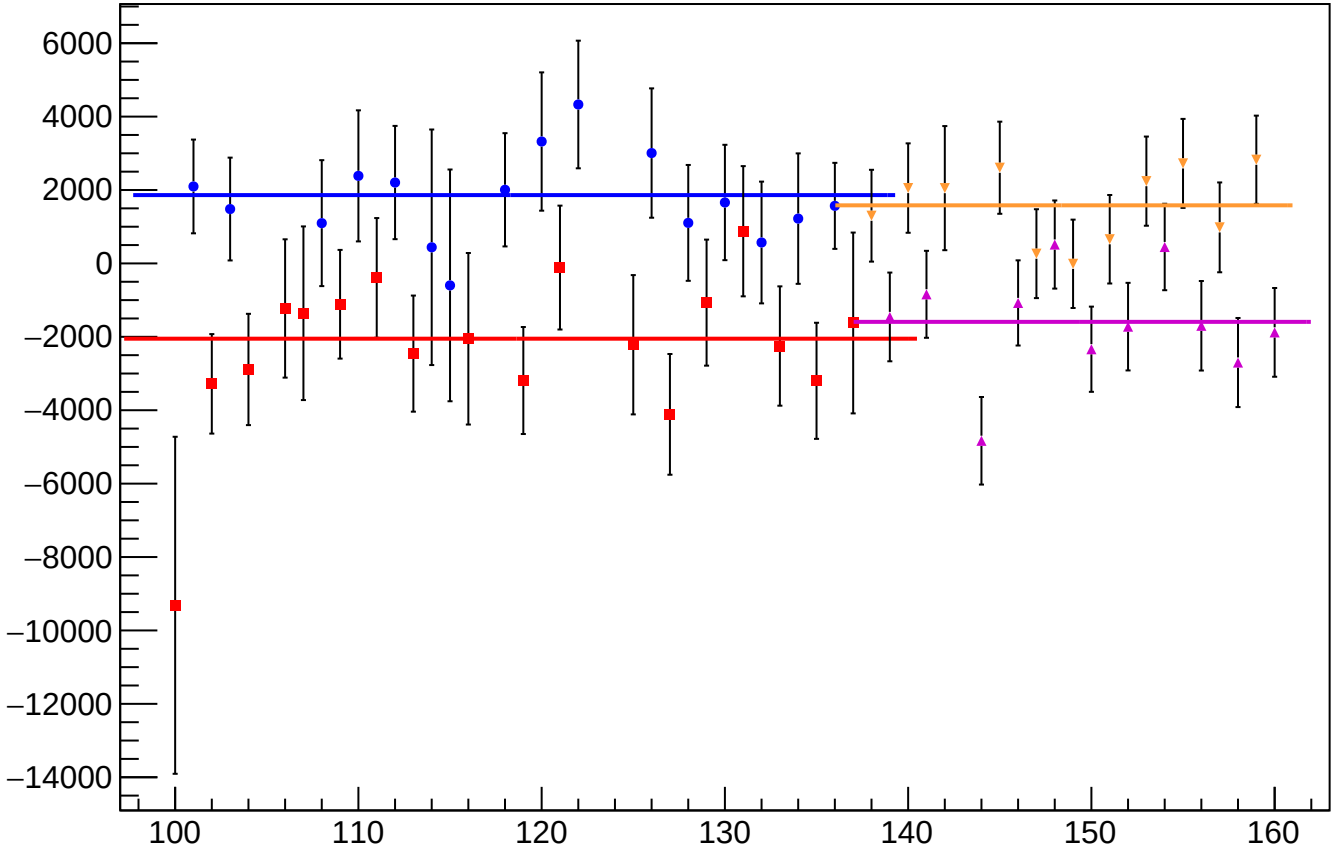
Left In: 26.698+/-0.006 χ^2/NDF:28314.8/10

+ sign 27.706+/-0.005 χ^2/NDF: 389628.9/26

All: 27.484+/-0.004 χ^2/NDF: 629903.0/55

- 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: 1582.640+/-375.926 χ^2/NDF:7.0/10

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

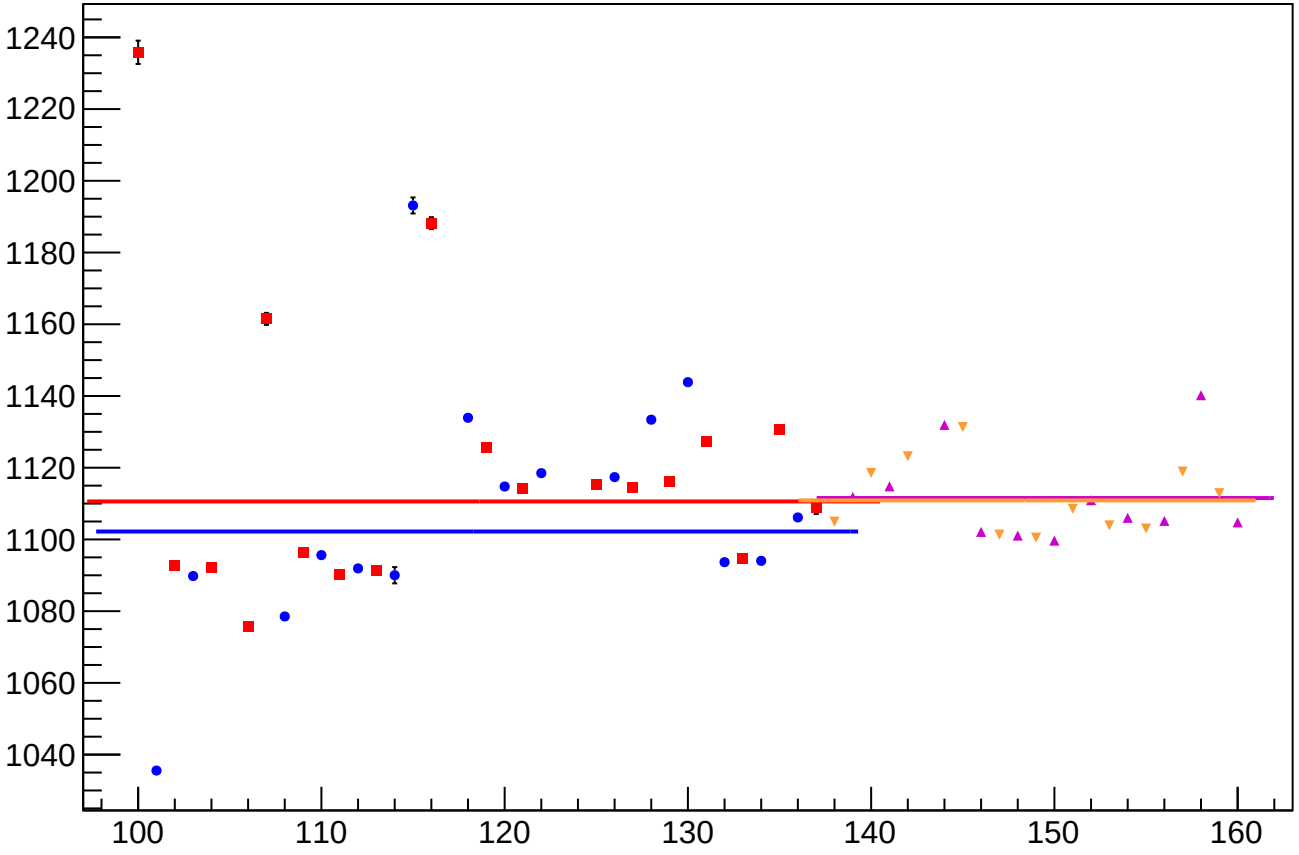
Left In: -1592.327+/-359.533 χ^2/NDF:15.4/10

+ sign 1710.175+/-276.937 χ^2/NDF: 12.5/26

All: -84.677+/-193.363 χ^2/NDF: 123.1/55

- 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: 1110.886+/-0.266 χ^2/NDF:1282.5/10

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

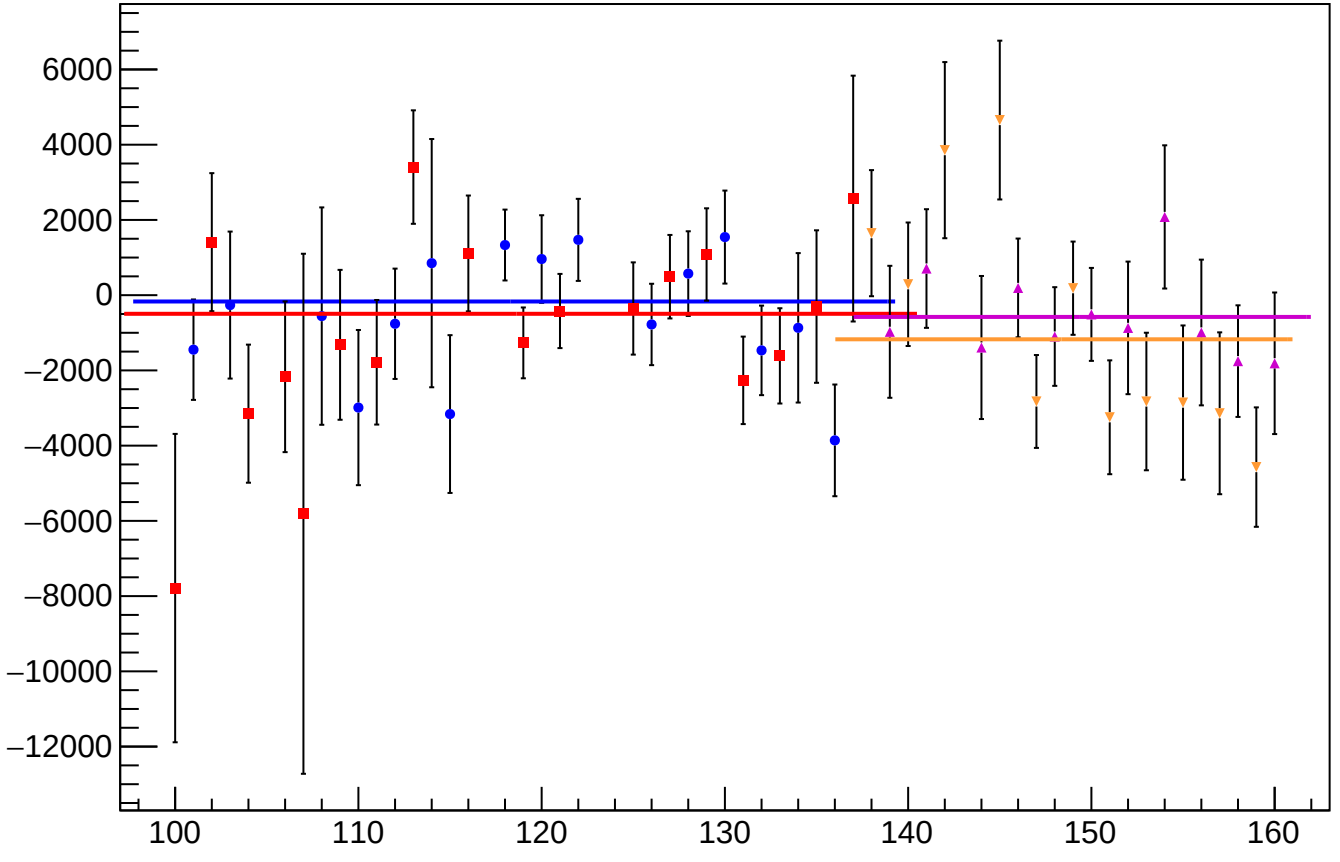
Left In: 1111.540+/-0.254 χ^2/NDF:2371.2/10

+ sign 1106.916+/-0.196 χ^2/NDF: 13119.2/26

All: 1109.074+/-0.137 χ^2/NDF: 23429.4/55

- 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: -1173.175+/-498.269 χ^2/NDF:27.6/10

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

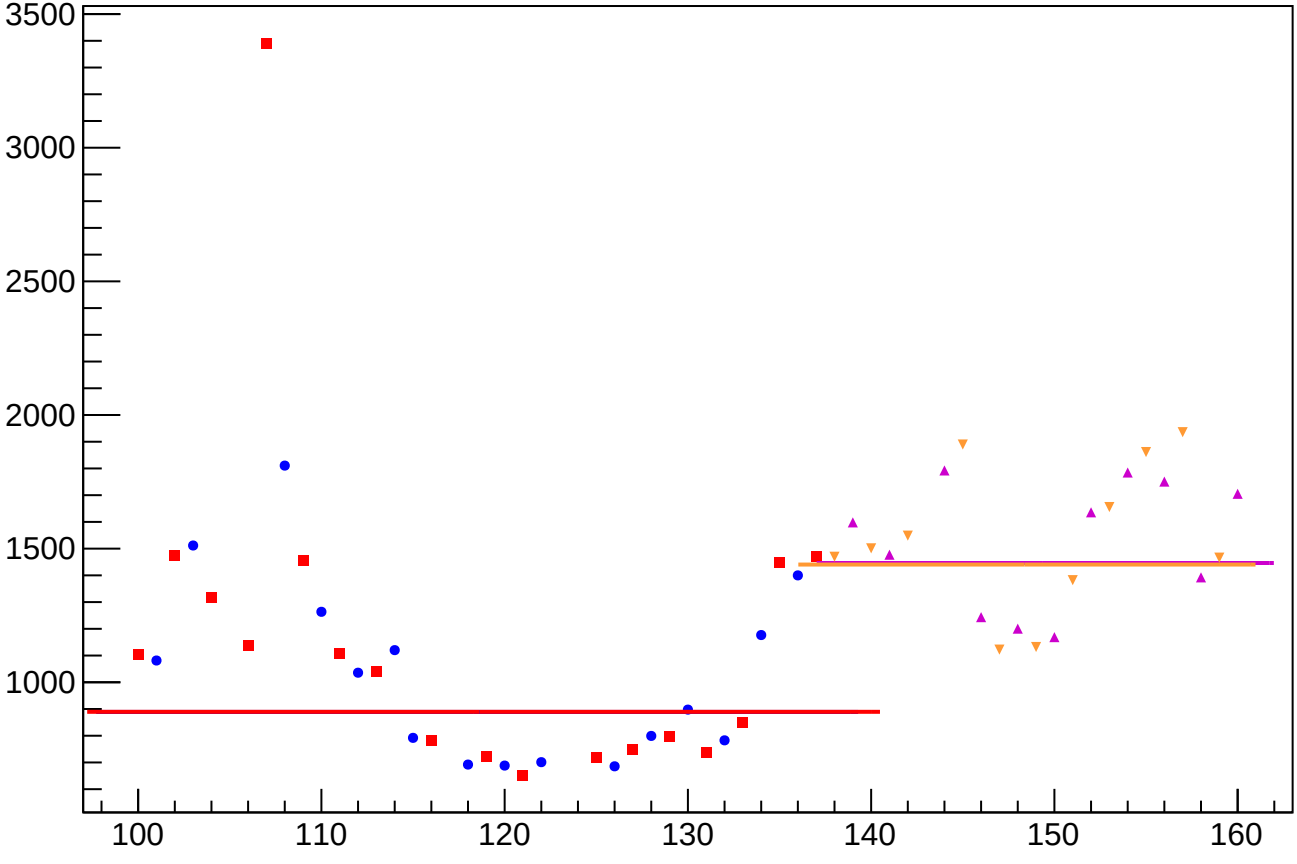
Left In: -578.243+/-475.574 χ^2/NDF:4.5/10

+ sign -494.223+/-283.889 χ^2/NDF: 51.4/26

All: -509.264+/-199.093 χ^2/NDF: 79.2/55

- 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: 1440.448+/-0.352 χ^2/NDF:576474.3/10

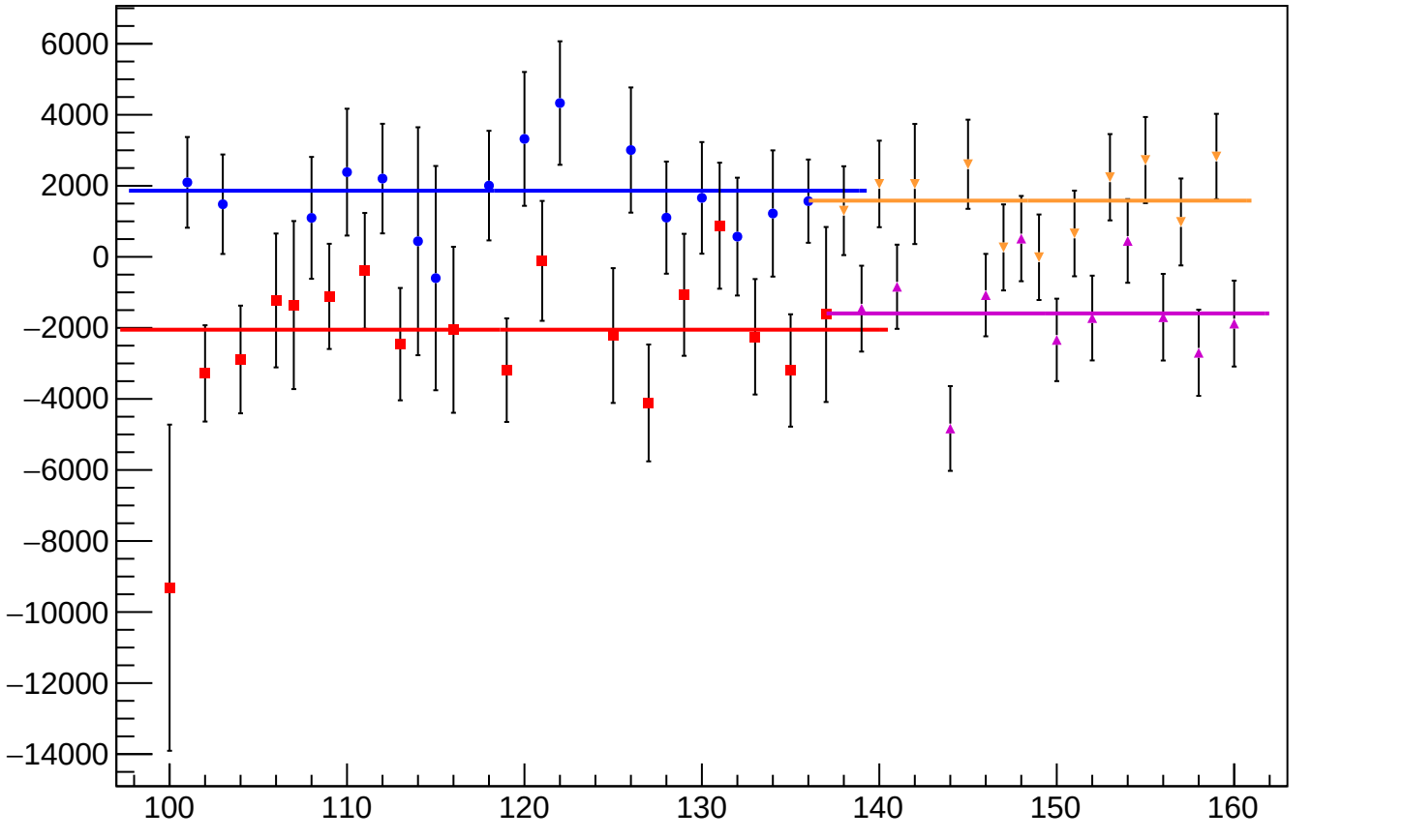
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

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

+ sign 1067.980+/-0.201 χ^2/NDF: 3363984.5/26

All: 1074.850+/-0.141 χ^2/NDF: 6984990.7/55

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



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

Left Out: 1582.640+/-375.926 χ^2/NDF:7.0/10

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

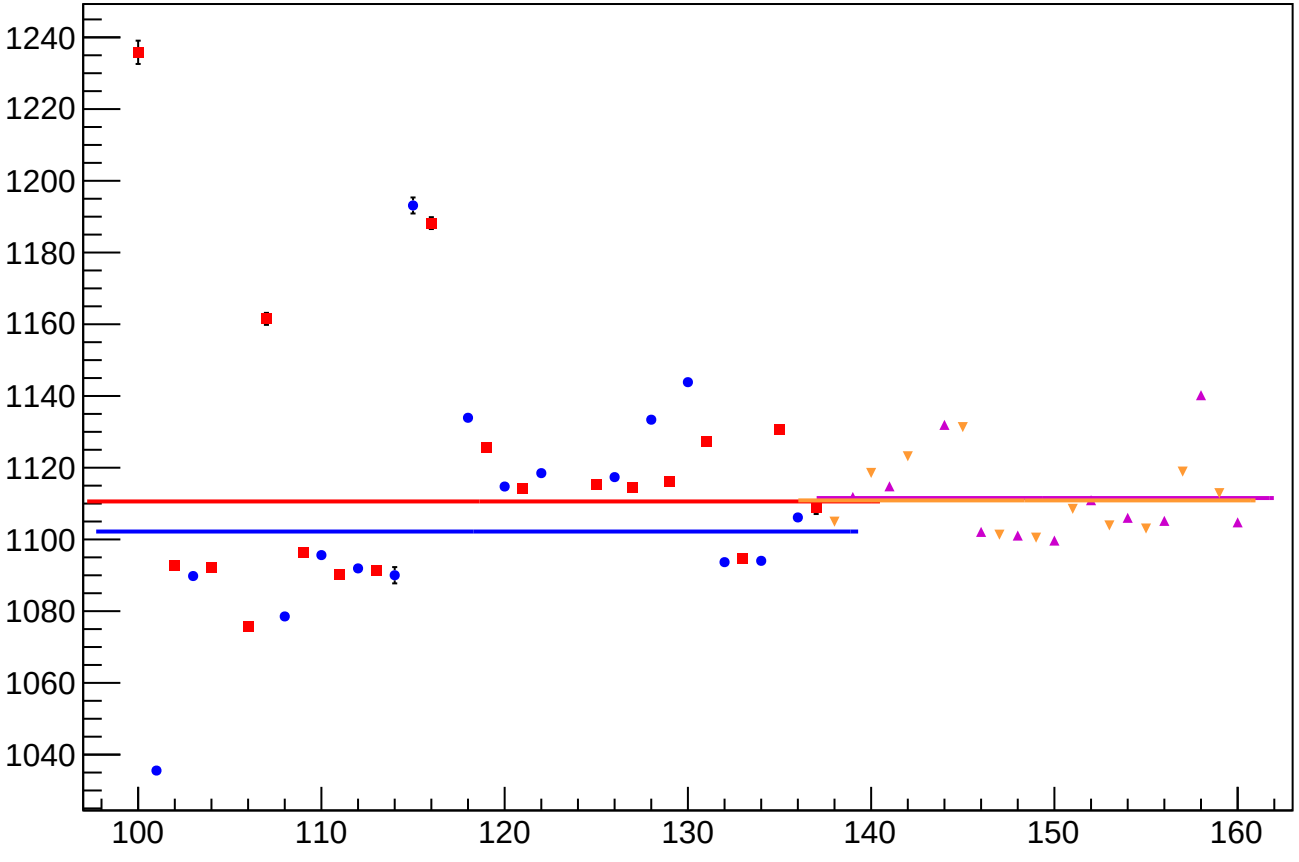
Left In: -1592.327+/-359.533 χ^2/NDF:15.4/10

+ sign 1710.175+/-276.937 χ^2/NDF: 12.5/26

All: -84.677+/-193.363 χ^2/NDF: 123.1/55

- 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: 1110.886+/-0.266 χ^2/NDF:1282.5/10

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

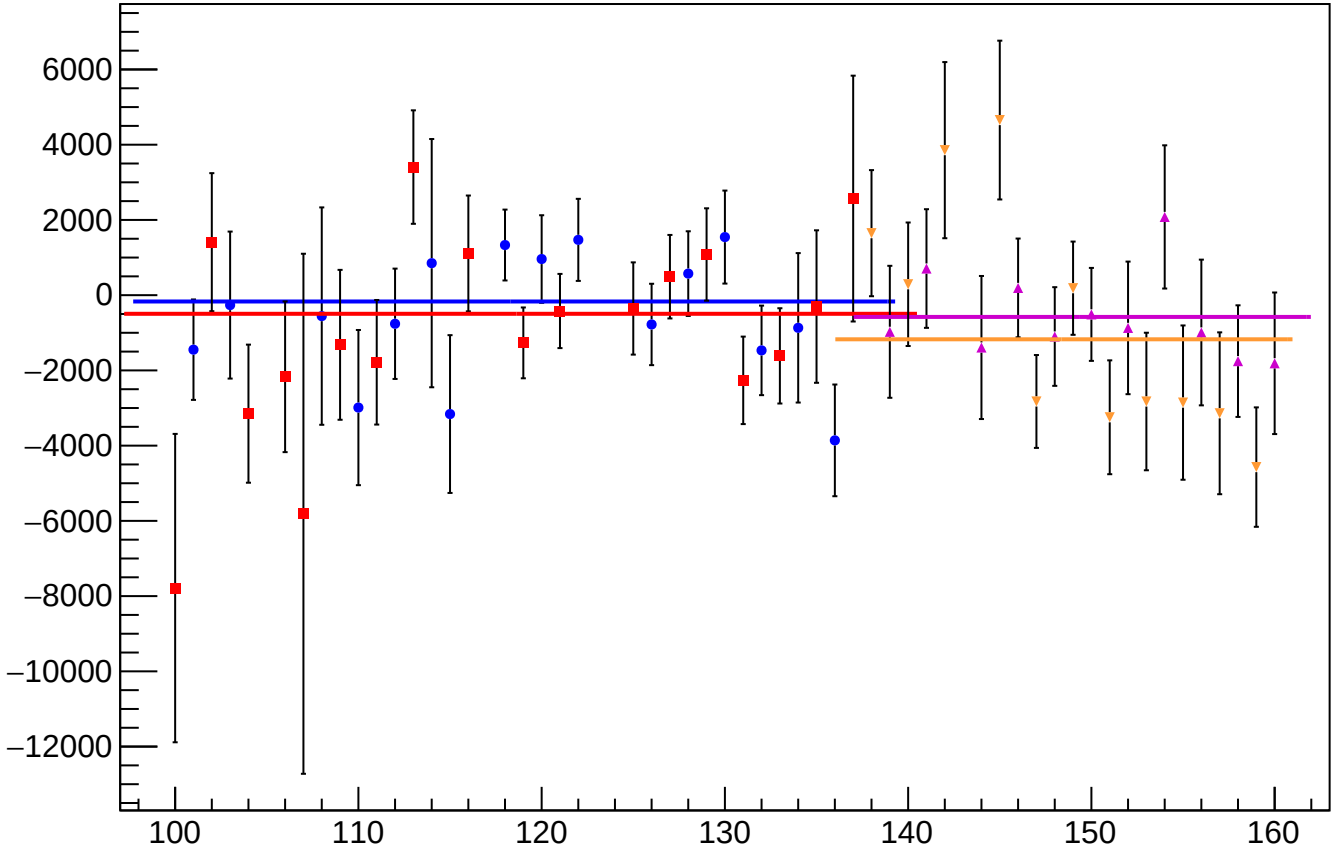
Left In: 1111.540+/-0.254 χ^2/NDF:2371.2/10

+ sign 1106.916+/-0.196 χ^2/NDF: 13119.2/26

All: 1109.074+/-0.137 χ^2/NDF: 23429.4/55

- 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: -1173.175+/-498.269 χ^2/NDF:27.6/10

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

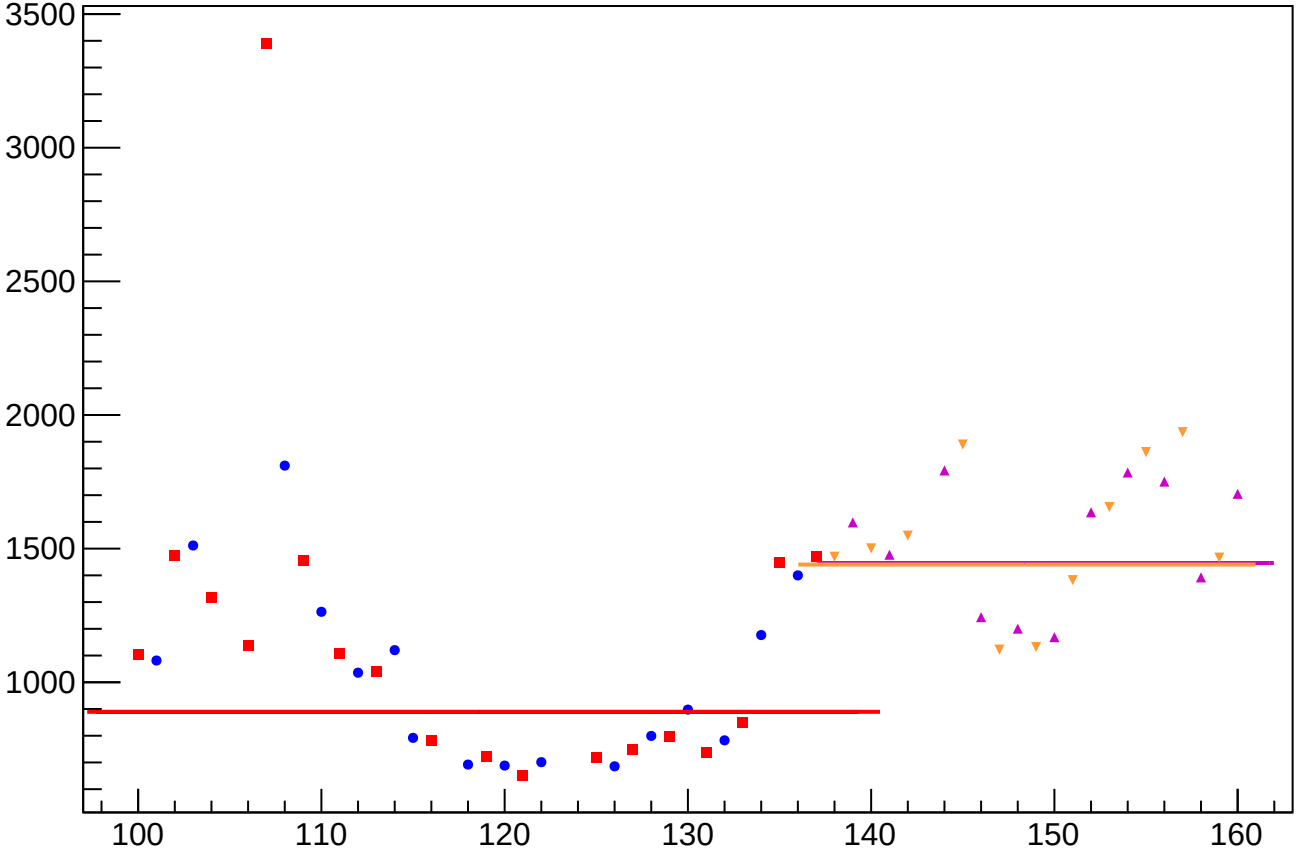
Left In: -578.243+/-475.574 χ^2/NDF:4.5/10

+ sign -494.223+/-283.889 χ^2/NDF: 51.4/26

All: -509.264+/-199.093 χ^2/NDF: 79.2/55

- 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: 1440.448+/-0.352 χ^2/NDF:576474.3/10

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

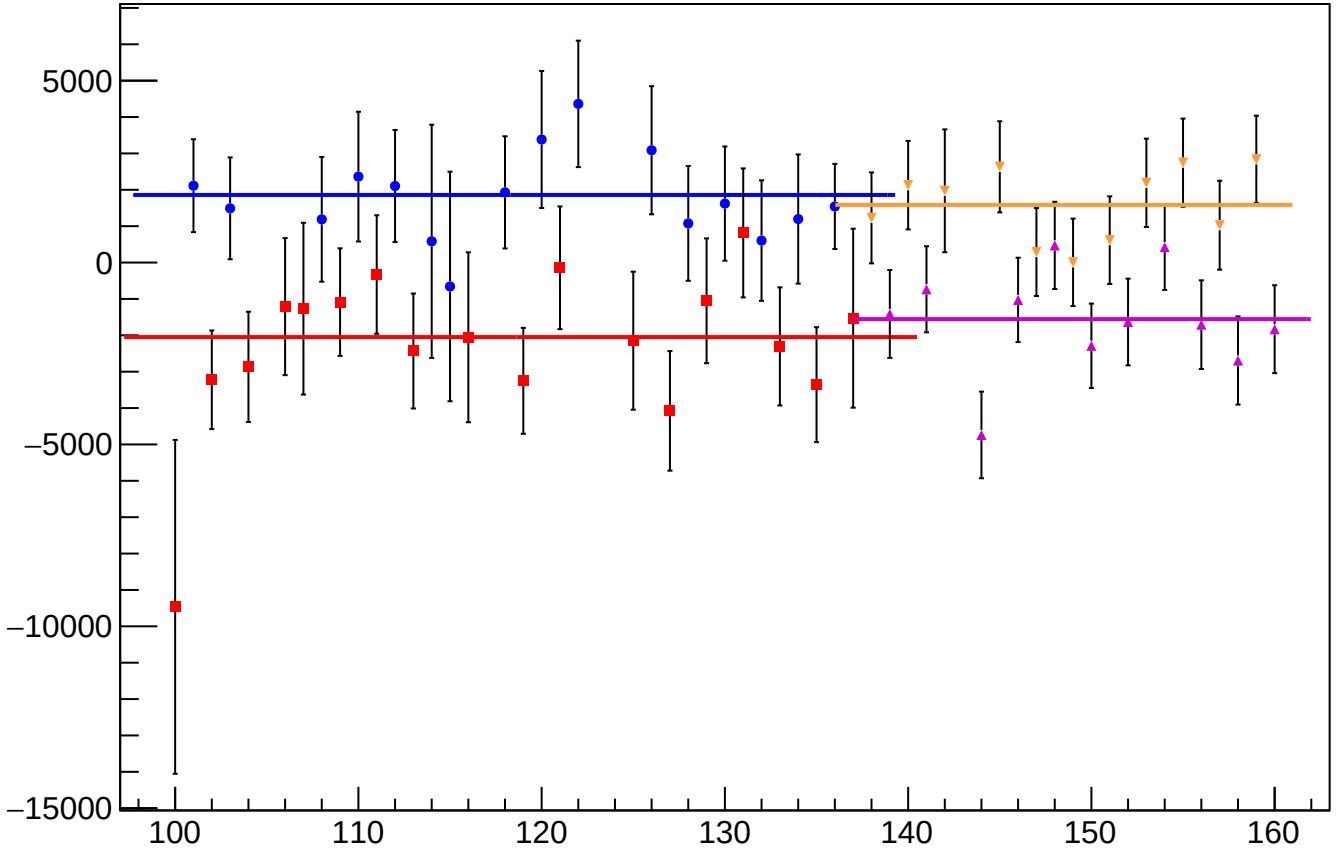
Left In: 1446.264+/-0.336 χ^2/NDF:476996.3/10

+ sign 1067.980+/-0.201 χ^2/NDF: 3363984.5/26

All: 1074.850+/-0.141 χ^2/NDF: 6984990.7/55

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

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1584.276+/-375.524 χ^2/NDF:7.0/10

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

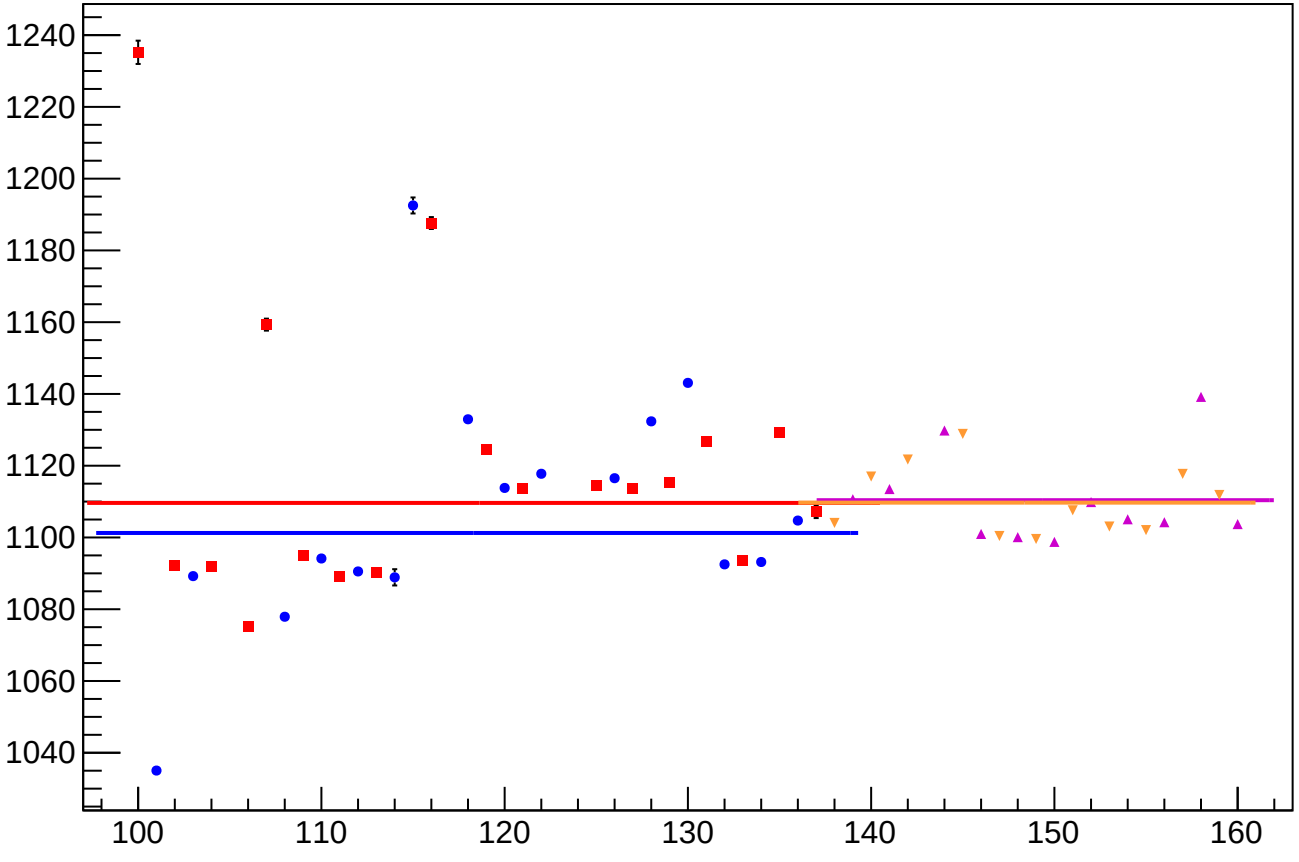
Left In: -1554.678+/-359.159 χ^2/NDF:14.9/10

+ sign 1709.735+/-276.667 χ^2/NDF: 12.7/26

All: -73.477+/-193.176 χ^2/NDF: 122.2/55

- 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: 1109.708+/-0.266 χ^2/NDF:1180.1/10

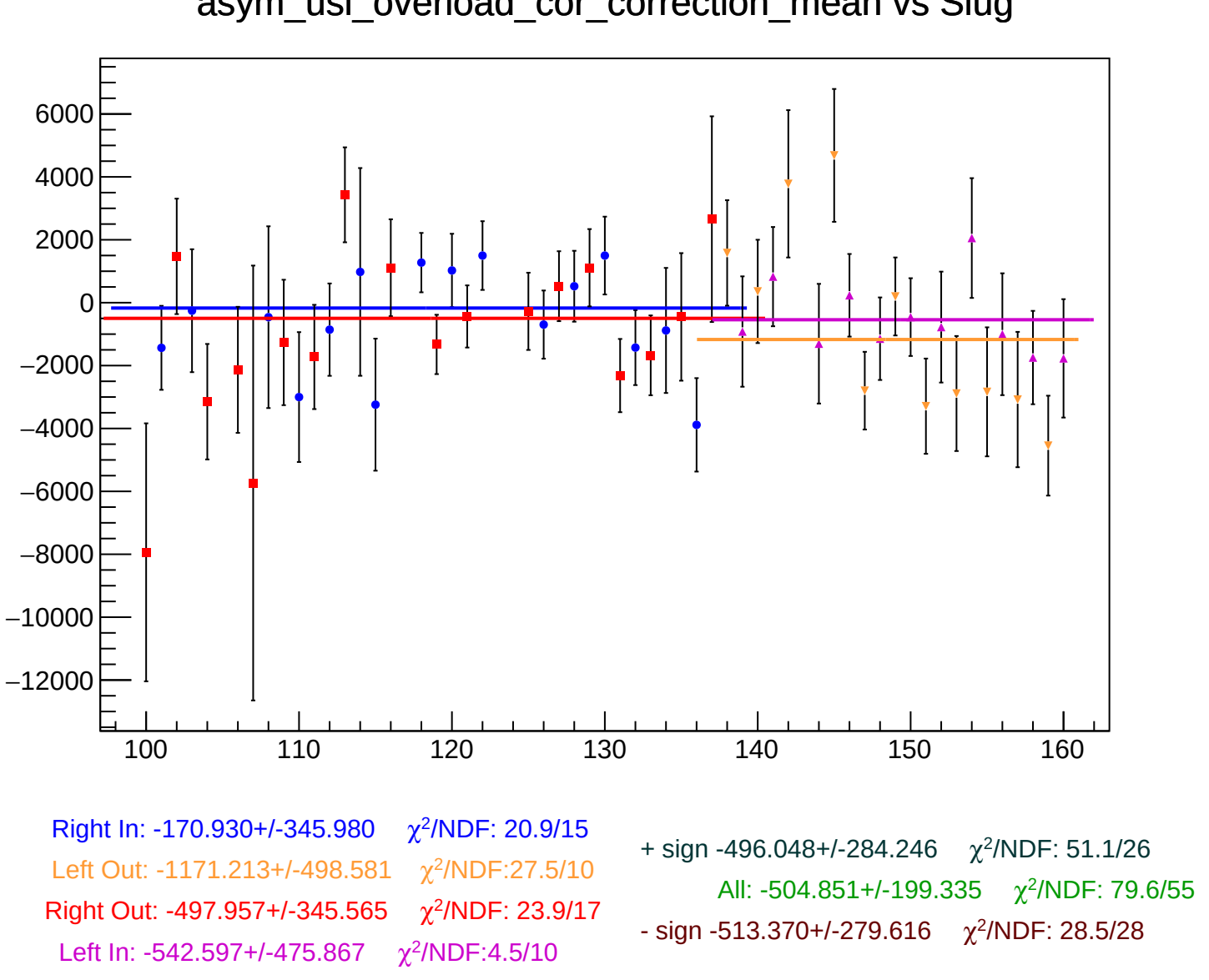
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

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

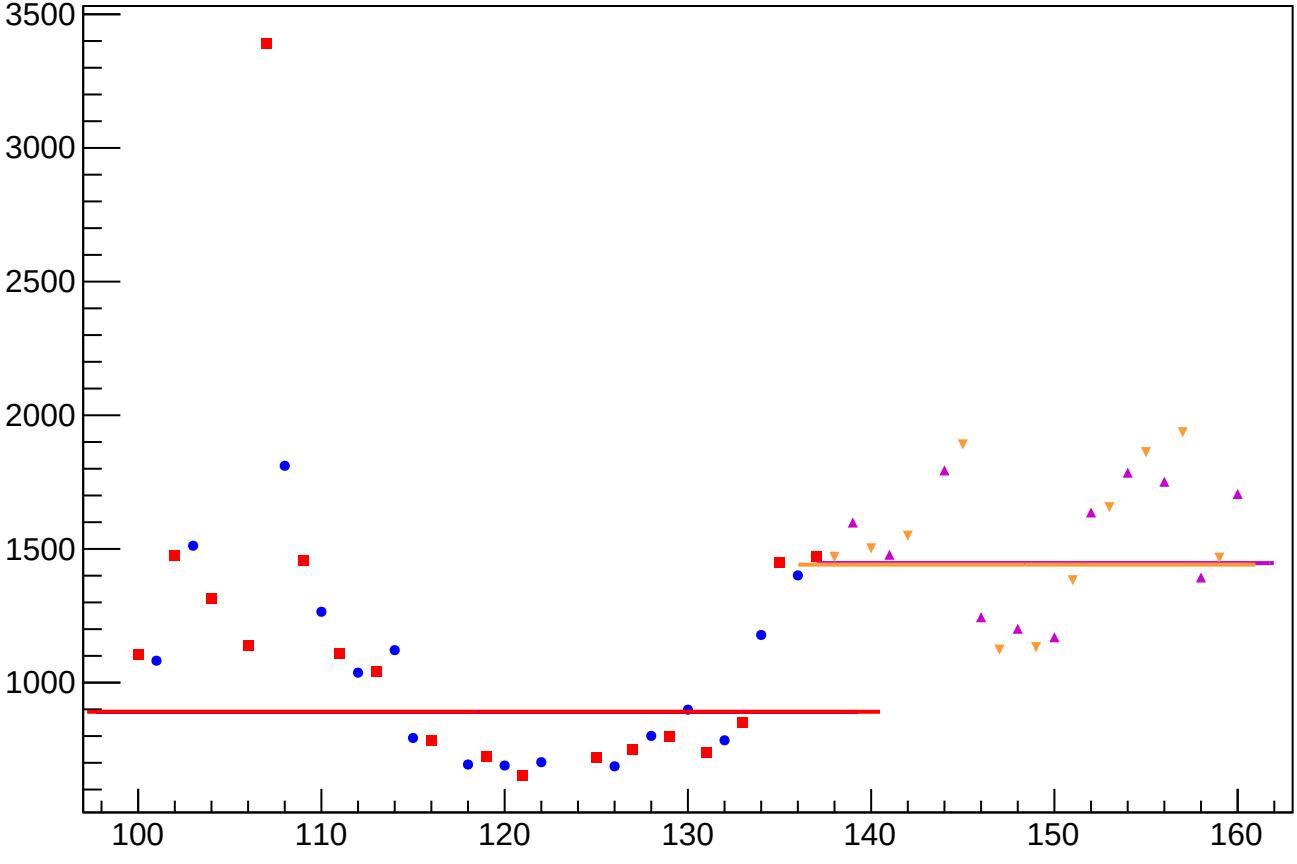
+ sign 1105.843+/-0.196 χ^2/NDF: 12951.7/26

All: 1108.003+/-0.137 χ^2/NDF: 23172.3/55

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


asym_usl_overload_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: -1171.213+/-498.581 χ²/NDF:27.5/10
Right Out: -497.957+/-345.565 χ²/NDF: 23.9/17
Left In: -542.597+/-475.867 χ²/NDF:4.5/10
+ sign -496.048+/-284.246 χ²/NDF: 51.1/26
All: -504.851+/-199.335 χ²/NDF: 79.6/55
- sign -513.370+/-279.616 χ²/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: 1441.392+/-0.353 χ^2/NDF:575670.8/10

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

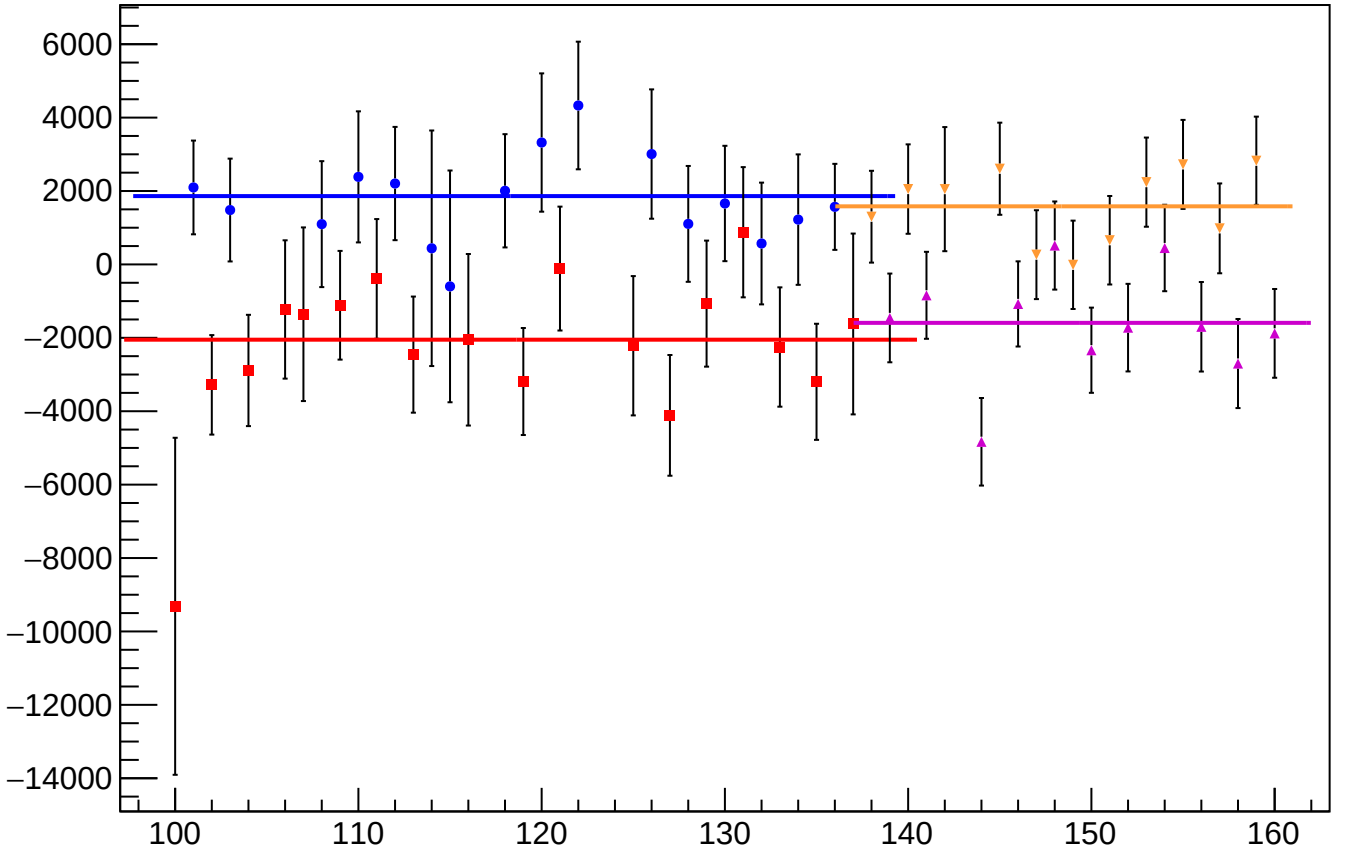
Left In: 1447.191+/-0.336 χ^2/NDF:476272.5/10

+ sign 1069.551+/-0.201 χ^2/NDF: 3352526.7/26

All: 1076.383+/-0.141 χ^2/NDF: 6962114.4/55

- 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: 1582.640+/-375.926 χ^2/NDF:7.0/10

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

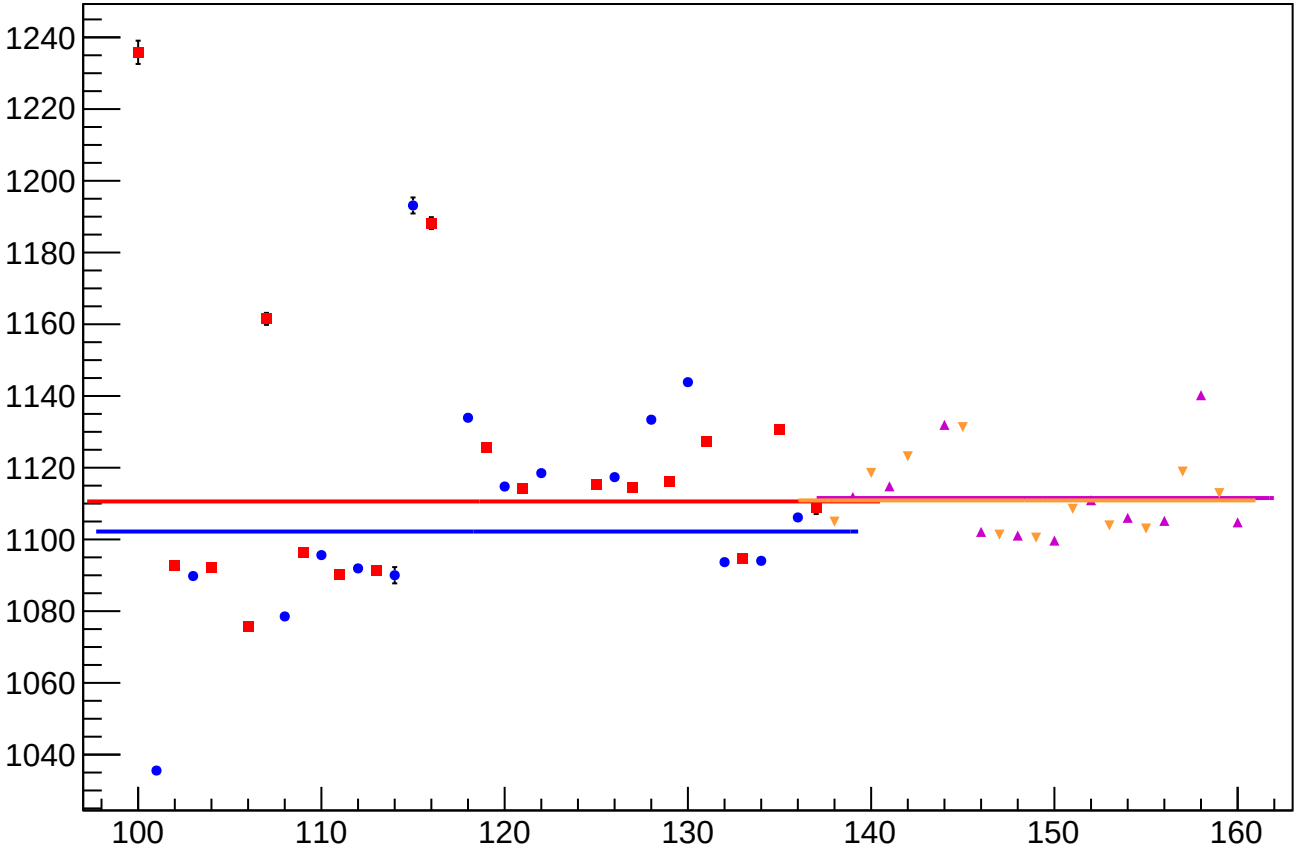
Left In: -1592.327+/-359.533 χ^2/NDF:15.4/10

+ sign 1710.175+/-276.937 χ^2/NDF: 12.5/26

All: -84.677+/-193.363 χ^2/NDF: 123.1/55

- 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: 1110.886+/-0.266 χ^2/NDF:1282.5/10

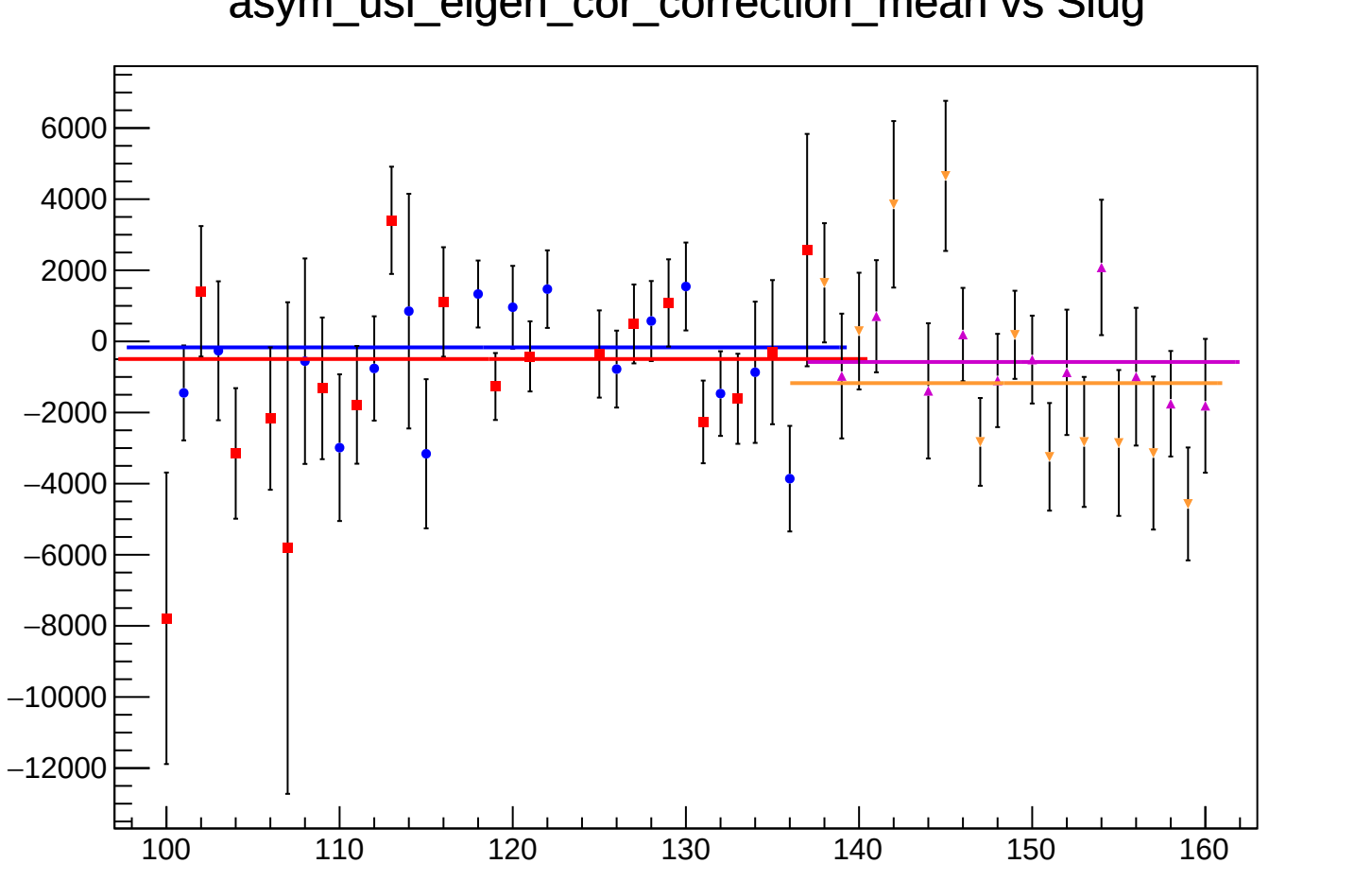
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

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

+ sign 1106.916+/-0.196 χ^2/NDF: 13119.2/26

All: 1109.074+/-0.137 χ^2/NDF: 23429.4/55

- 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: -1173.175+/-498.269 χ^2/NDF:27.6/10

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

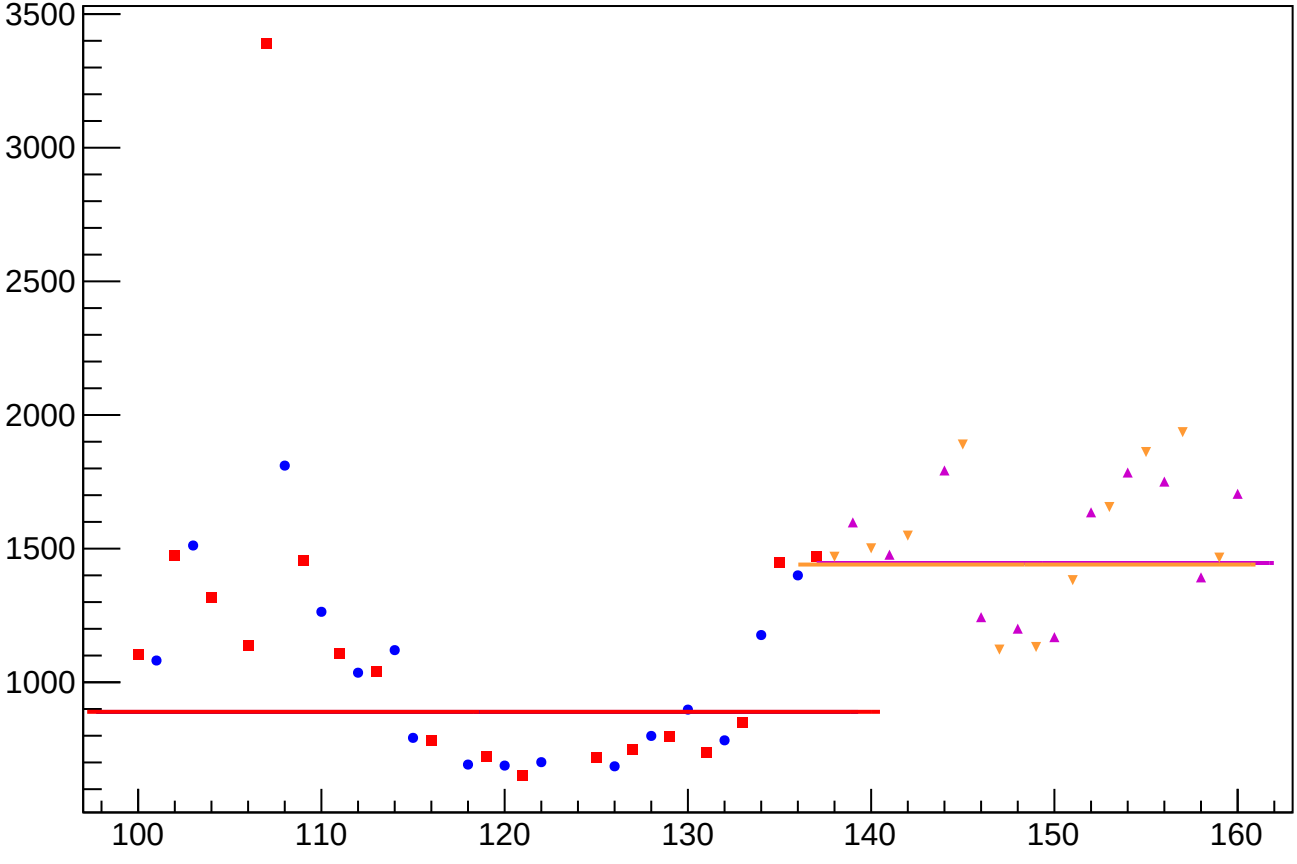
Left In: -578.243+/-475.574 χ^2/NDF:4.5/10

+ sign -494.223+/-283.889 χ^2/NDF: 51.4/26

All: -509.264+/-199.093 χ^2/NDF: 79.2/55

- 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: 1440.448+/-0.352 χ^2/NDF:576474.3/10

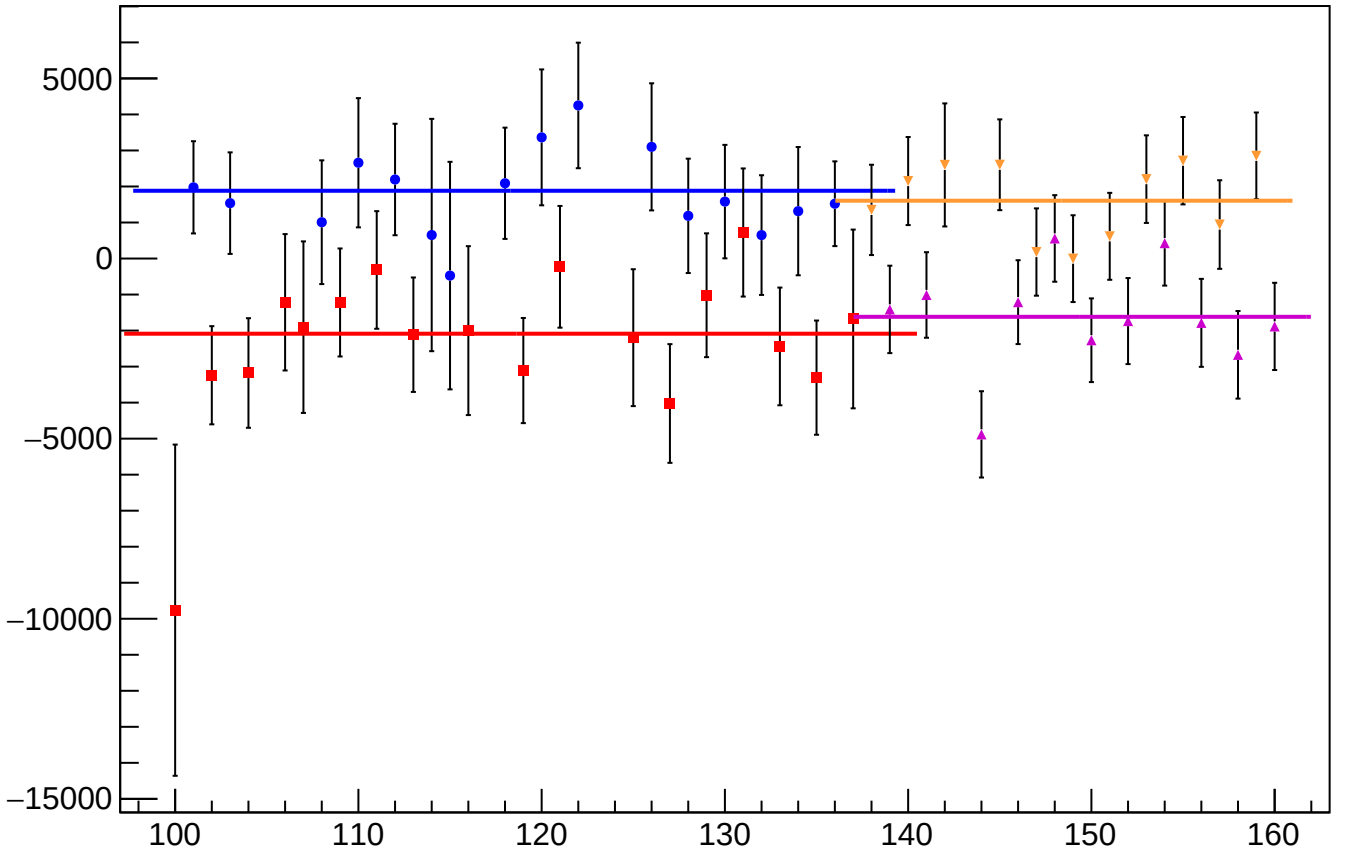
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

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

+ sign 1067.980+/-0.201 χ^2/NDF: 3363984.5/26

All: 1074.850+/-0.141 χ^2/NDF: 6984990.7/55

- 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: 1604.824+/-376.838 χ^2/NDF:7.5/10

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

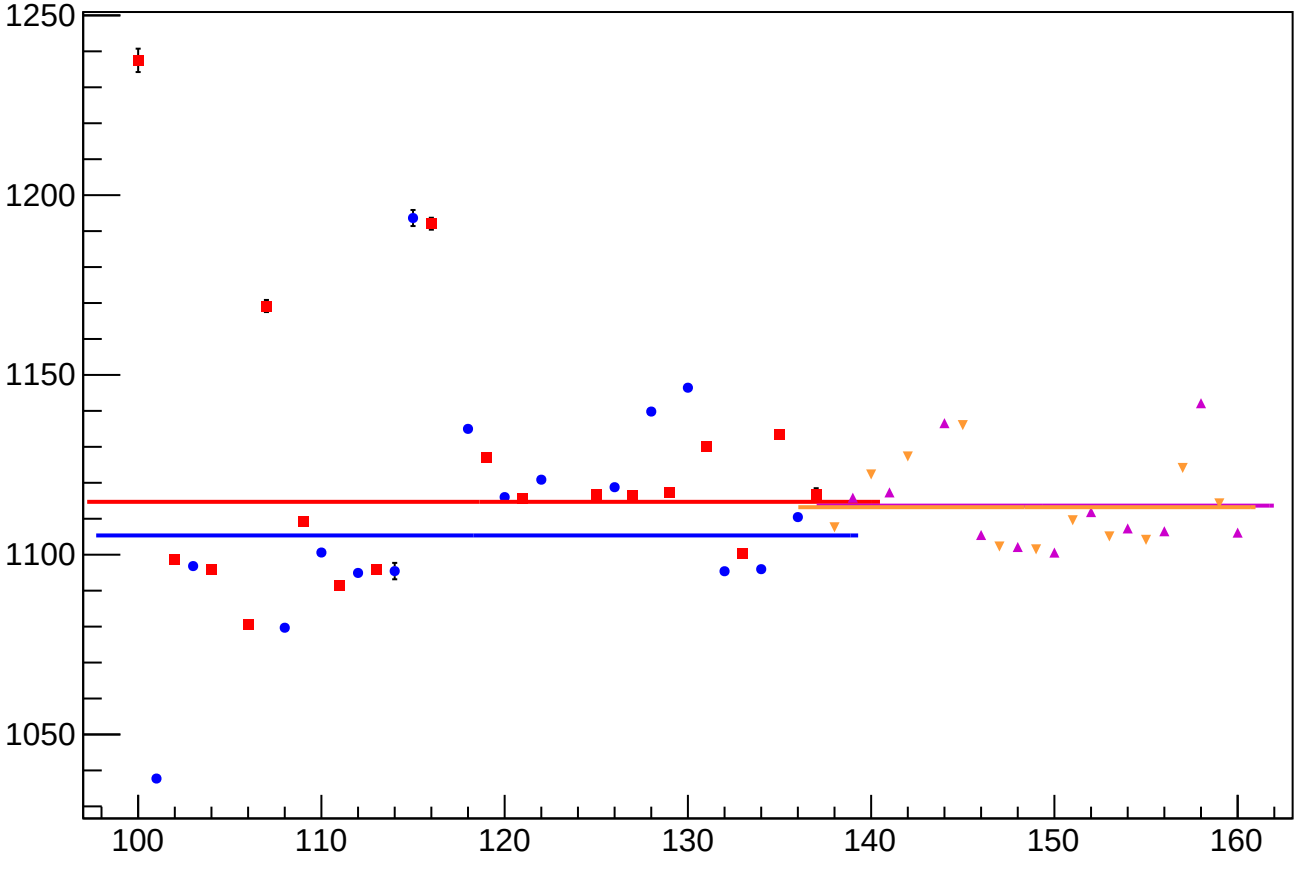
Left In: -1617.856+/-360.225 χ^2/NDF:15.3/10

+ sign 1731.298+/-277.665 χ^2/NDF: 12.9/26

All: -89.434+/-193.881 χ^2/NDF: 125.2/55

- 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: 1113.211+/-0.266 χ^2/NDF:1674.0/10

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

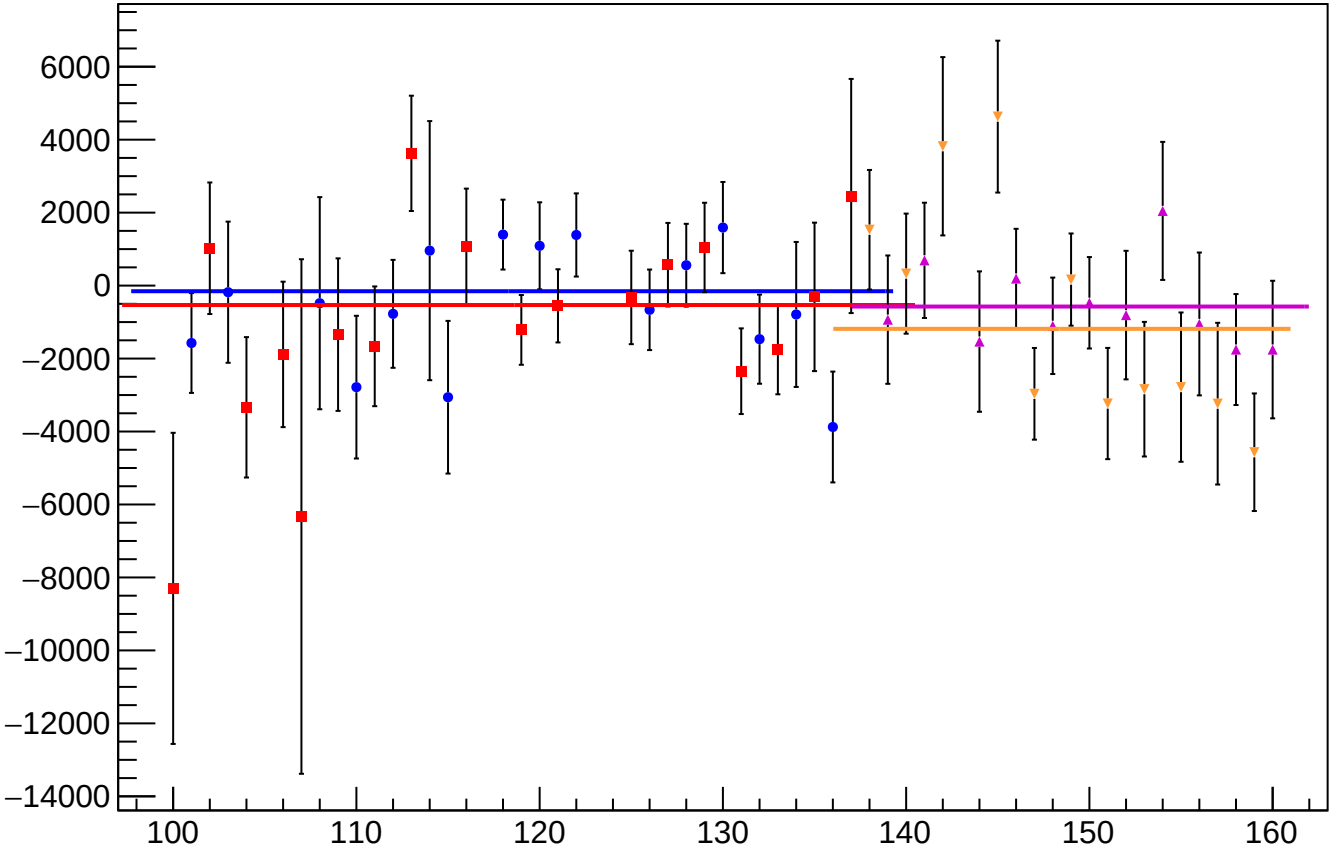
Left In: 1113.649+/-0.255 χ^2/NDF:2598.7/10

+ sign 1109.621+/-0.196 χ^2/NDF: 13402.3/26

All: 1111.920+/-0.137 χ^2/NDF: 23606.4/55

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

asym_usl_dit_correction_mean vs Slug



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

Left Out: -1185.321+/-503.150 χ^2/NDF:27.2/10

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

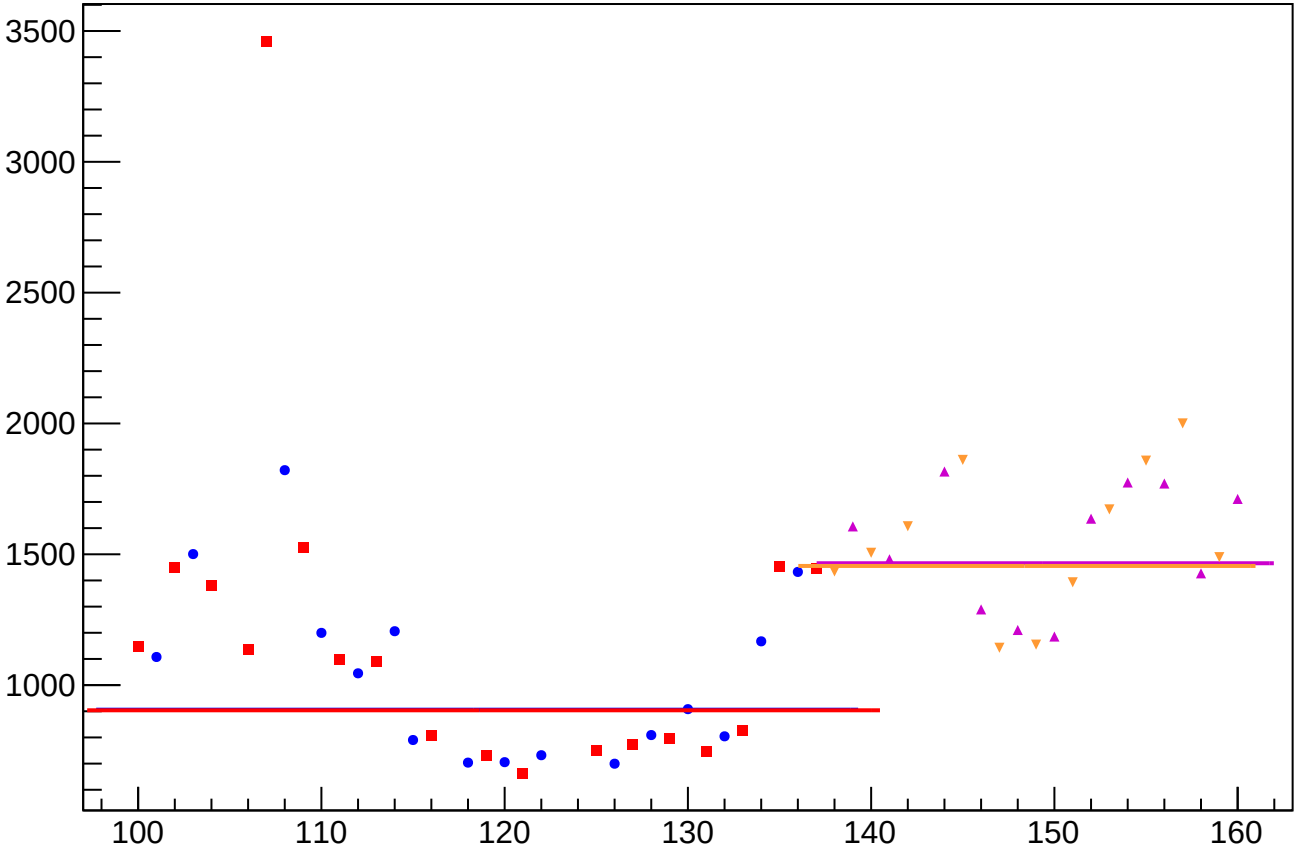
Left In: -574.169+/-481.253 χ^2/NDF:4.4/10

+ sign -492.012+/-288.049 χ^2/NDF: 50.5/26

All: -519.819+/-201.972 χ^2/NDF: 78.2/55

- 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: 1455.447+/-0.356 χ^2/NDF:552620.2/10

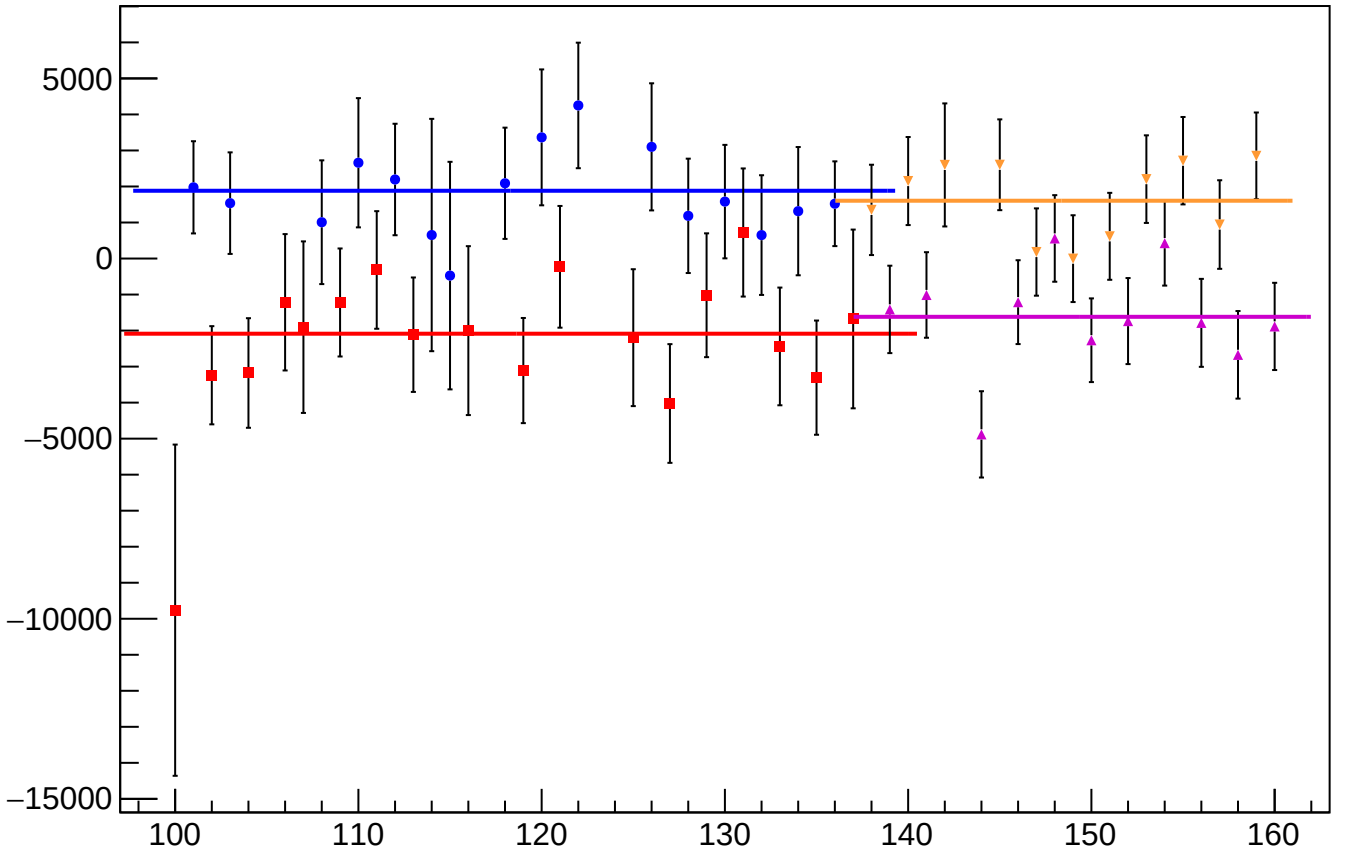
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

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

+ sign 1086.104+/-0.204 χ^2/NDF: 3235166.7/26

All: 1092.394+/-0.143 χ^2/NDF: 6802607.0/55

- 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: 1604.819+/-376.838 χ^2/NDF:7.5/10

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

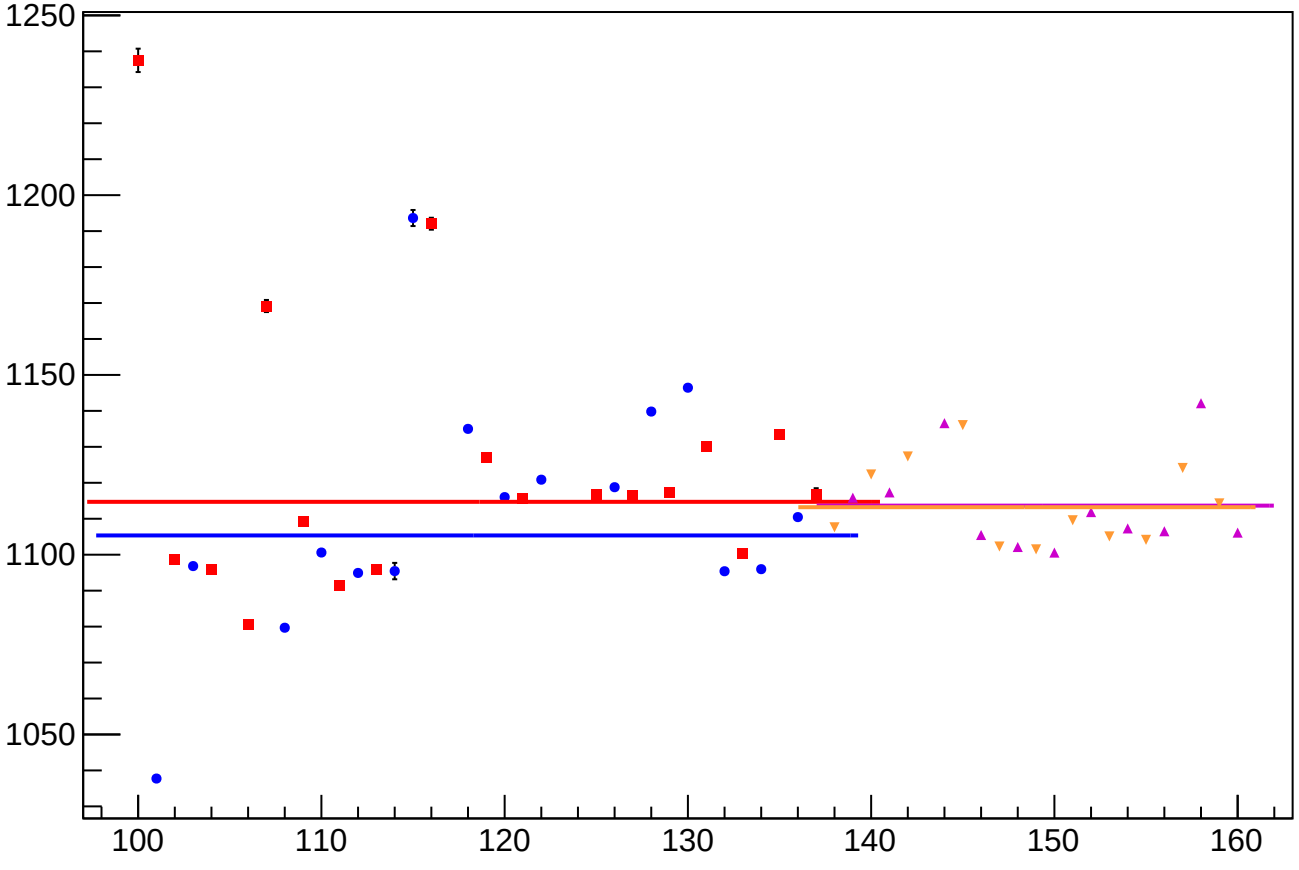
Left In: -1617.858+/-360.225 χ^2/NDF:15.3/10

+ sign 1731.295+/-277.665 χ^2/NDF: 12.9/26

All: -89.435+/-193.881 χ^2/NDF: 125.2/55

- 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: 1113.211+/-0.266 χ^2/NDF:1674.0/10

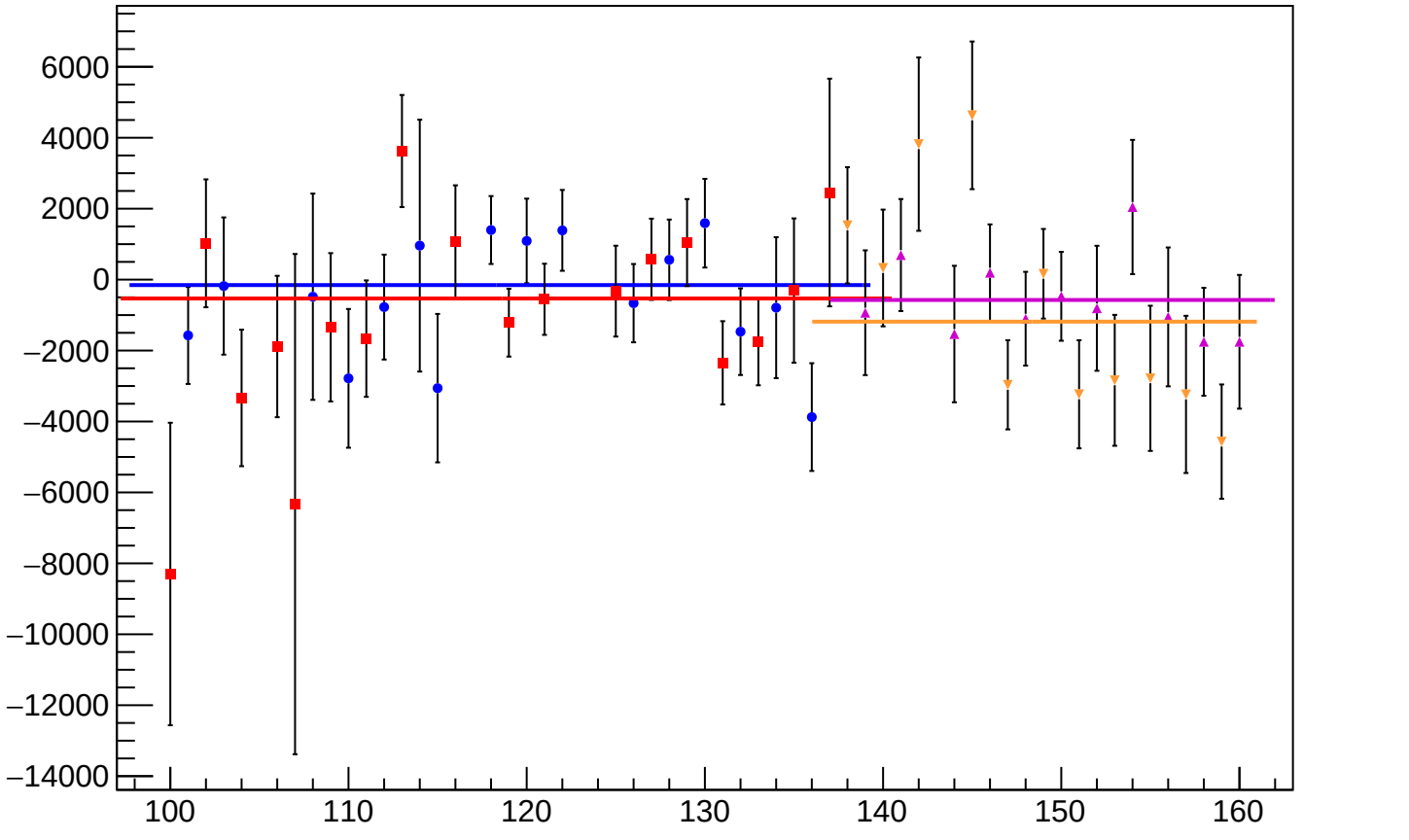
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

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

+ sign 1109.621+/-0.196 χ^2/NDF: 13402.3/26

All: 1111.920+/-0.137 χ^2/NDF: 23606.3/55

- 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: -1185.327+/-503.151 χ^2/NDF:27.2/10

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

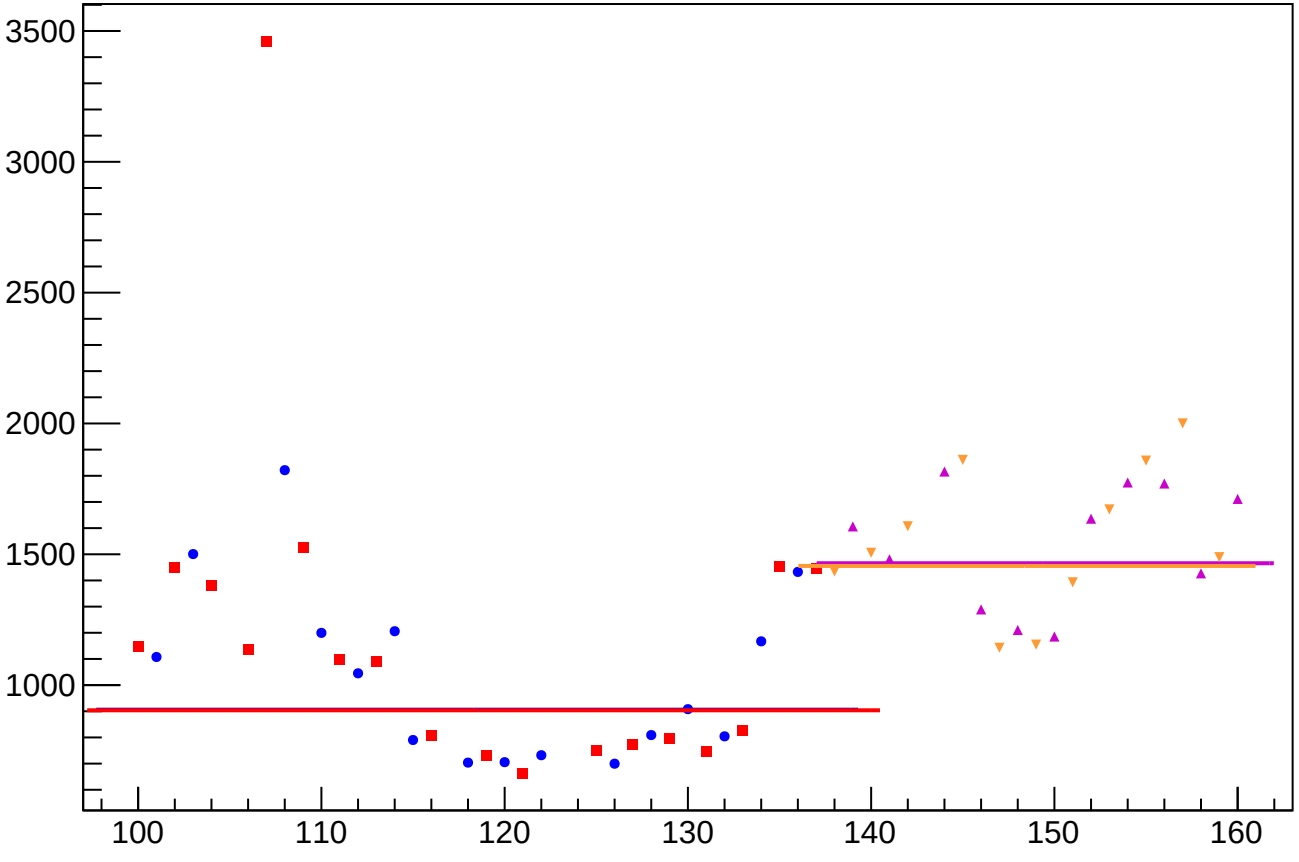
Left In: -574.172+/-481.254 χ^2/NDF:4.4/10

+ sign -492.011+/-288.049 χ^2/NDF: 50.5/26

All: -519.819+/-201.972 χ^2/NDF: 78.2/55

- 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: 1455.449+/-0.356 χ^2/NDF:552617.7/10

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

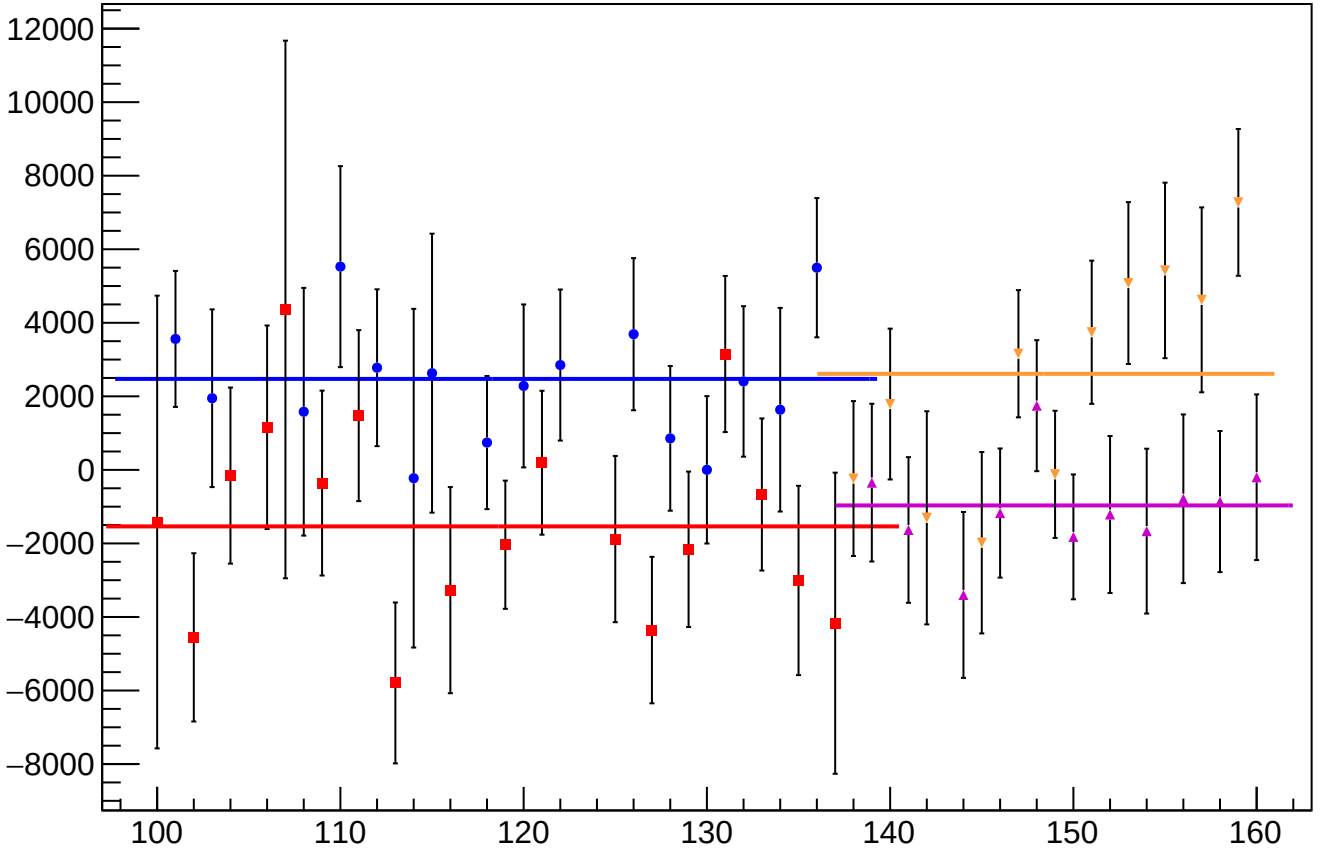
Left In: 1465.782+/-0.340 χ^2/NDF:442942.5/10

+ sign 1086.102+/-0.204 χ^2/NDF: 3235192.4/26

All: 1092.393+/-0.143 χ^2/NDF: 6802659.1/55

- 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: 2612.158+/-636.307 χ^2/NDF:19.0/10

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

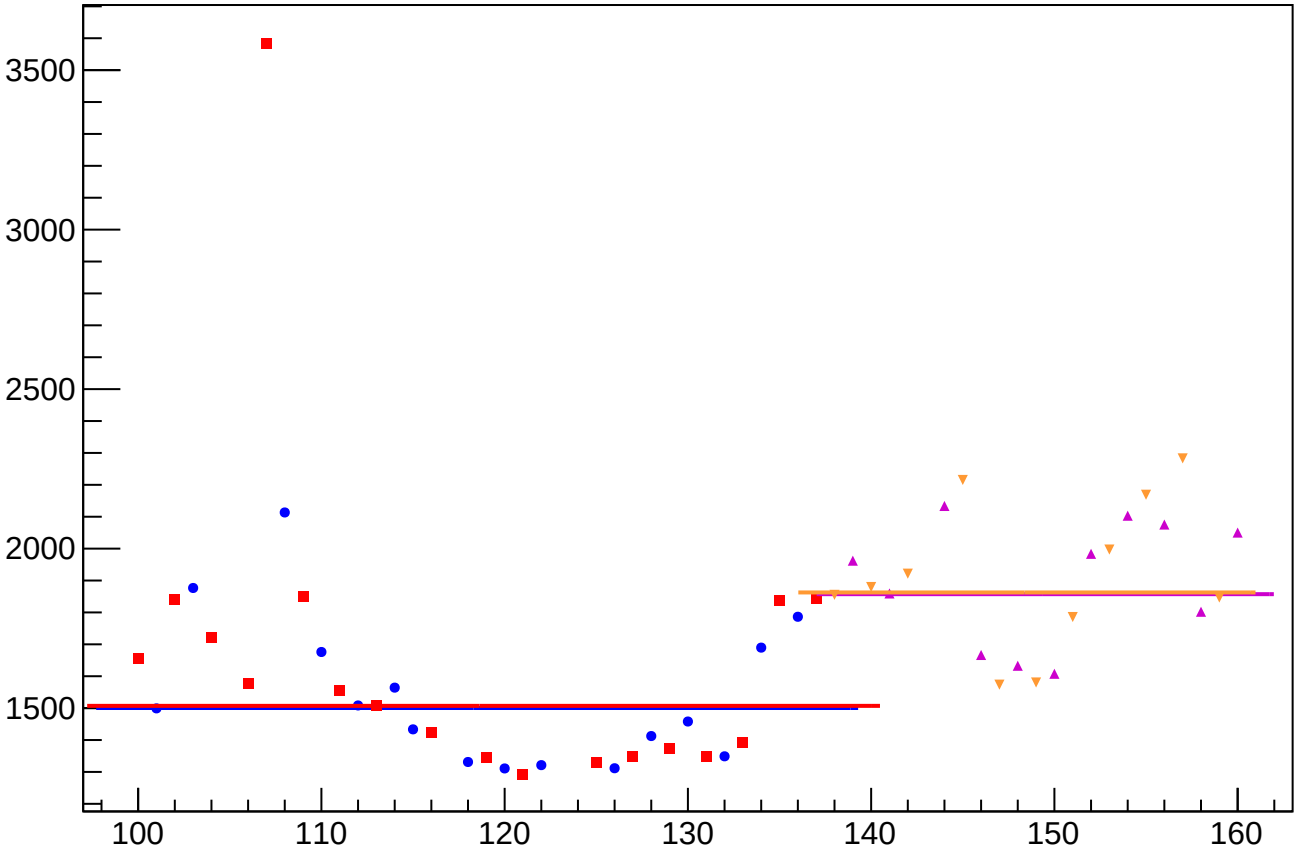
Left In: -967.134+/-604.931 χ^2/NDF:4.2/10

+ sign 2534.678+/-421.562 χ^2/NDF: 27.2/26

All: 589.043+/-294.777 χ^2/NDF: 92.1/55

- 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: 1862.641+/-0.450 χ^2/NDF:250520.6/10

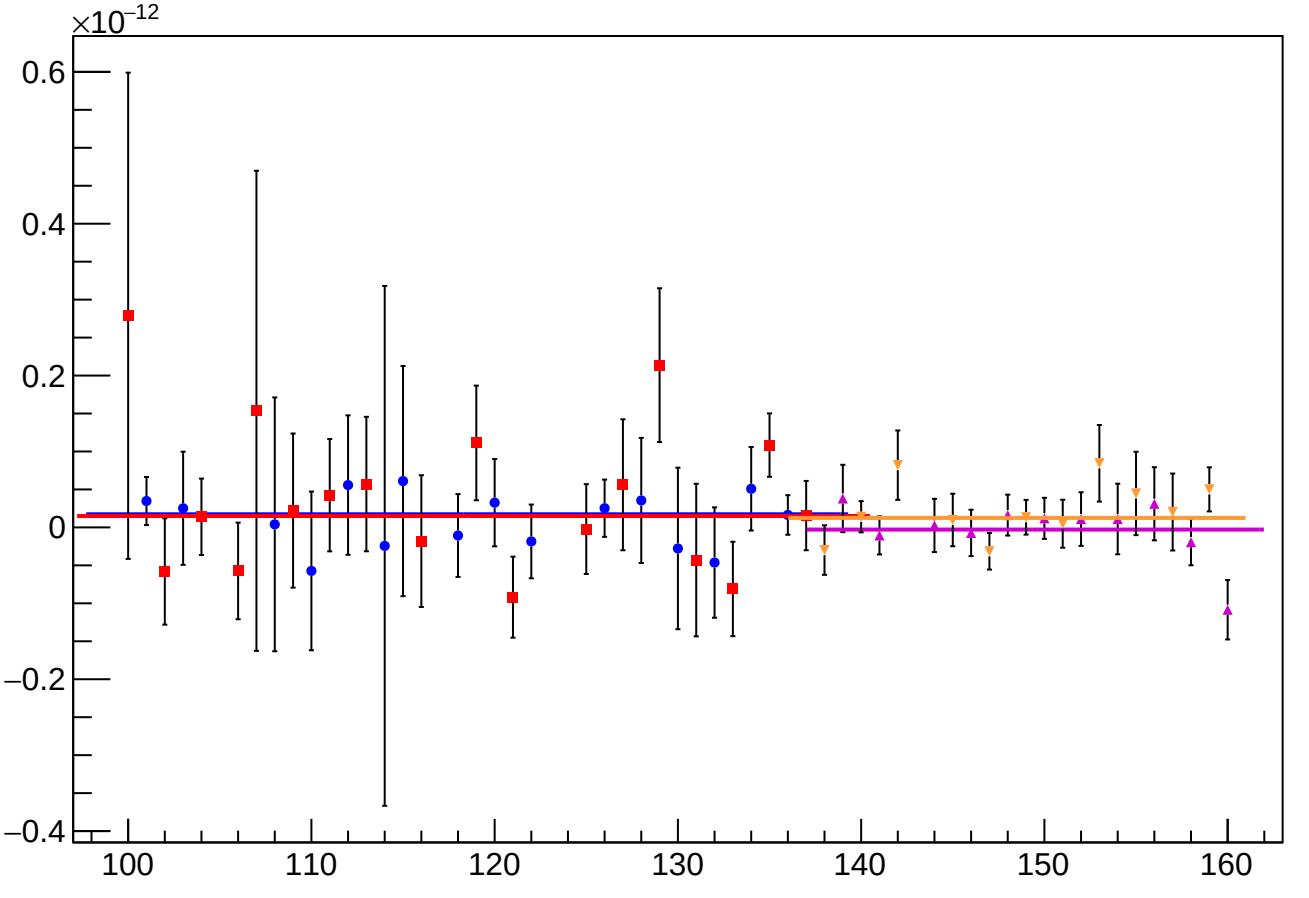
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

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

+ sign 1659.384+/-0.298 χ^2/NDF: 873033.9/26

All: 1664.699+/-0.208 χ^2/NDF: 1832504.3/55

- 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:11.5/10

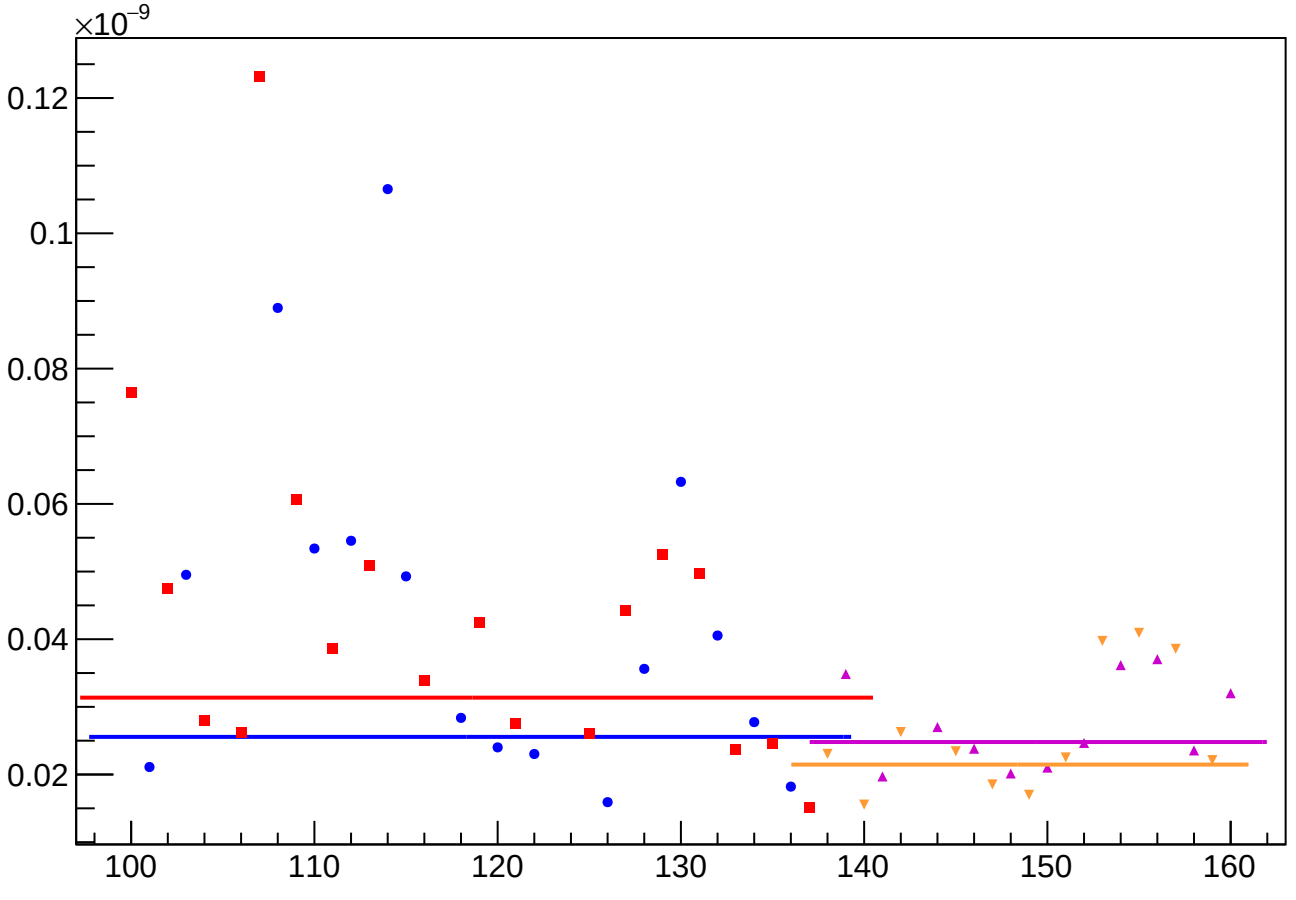
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

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

+ sign 0.000+/-0.000 χ^2/NDF: 14.9/26

All: 0.000+/-0.000 χ^2/NDF: 48.4/55

- 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:1050795.6/10

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

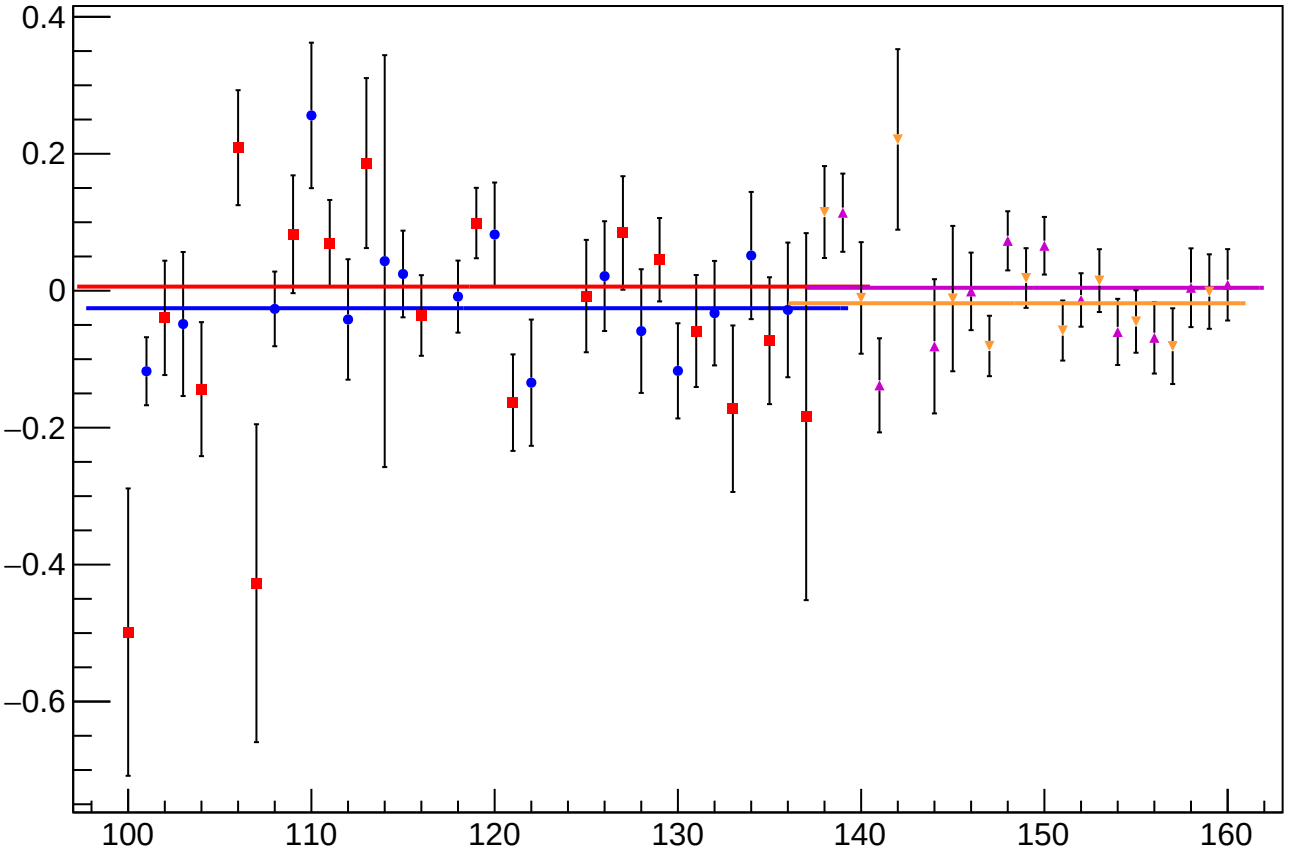
Left In: 0.000+/-0.000 χ^2/NDF:614254.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 2883129.8/26

All: 0.000+/-0.000 χ^2/NDF: 5191396.6/55

- 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: -0.018+/-0.016 χ^2/NDF:13.0/10

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

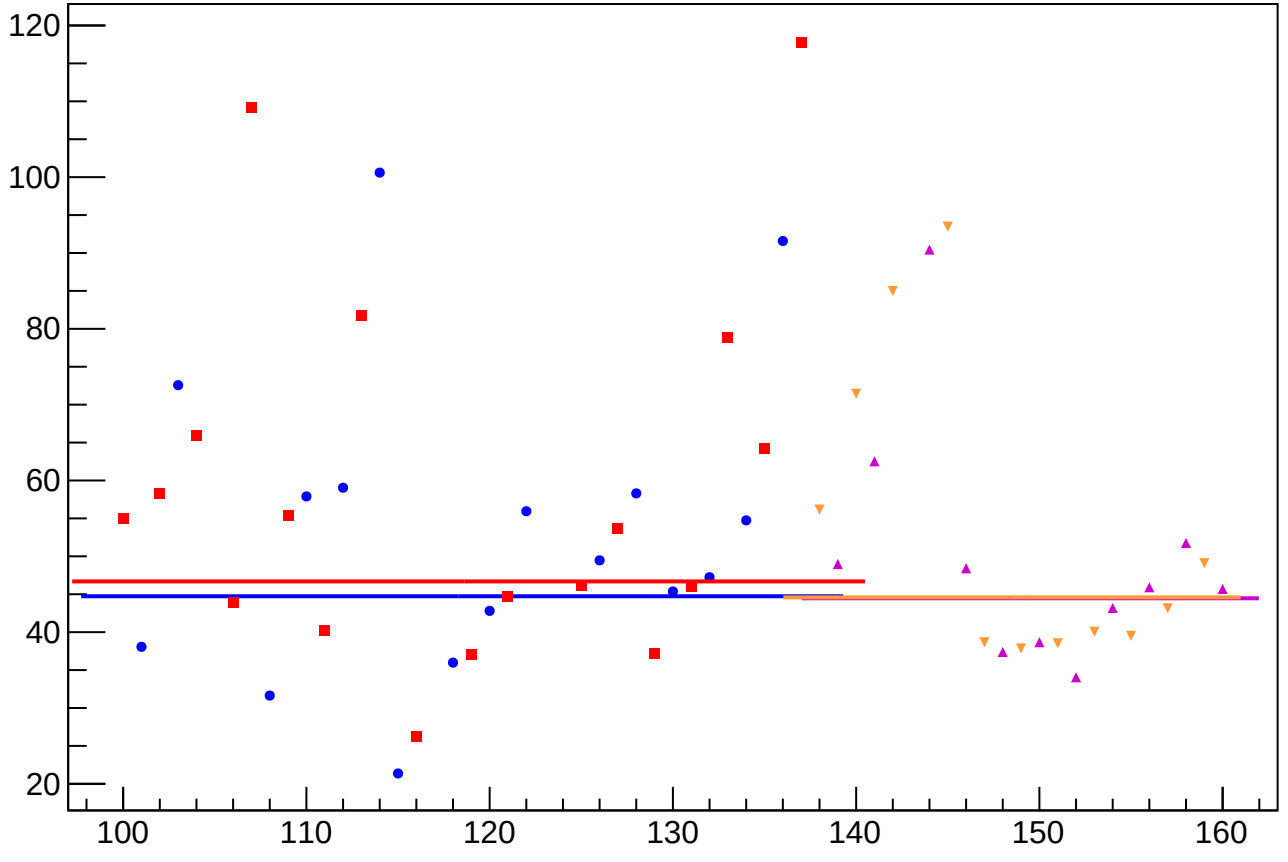
Left In: 0.004+/-0.016 χ^2/NDF:17.3/10

+ sign -0.021+/-0.012 χ^2/NDF: 30.7/26

All: -0.008+/-0.009 χ^2/NDF: 87.0/55

- 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: 44.588+/-0.012 χ^2/NDF:1069767.9/10

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

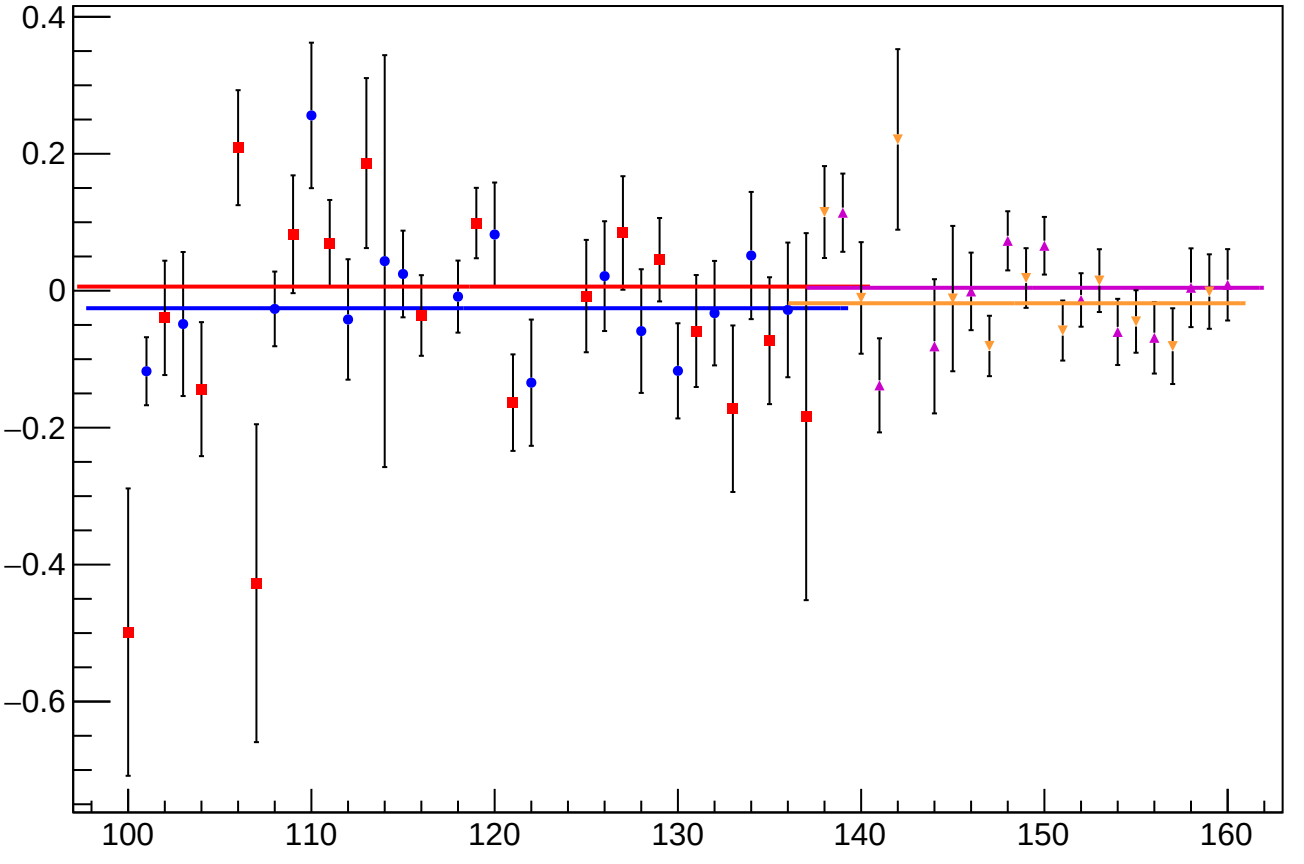
Left In: 44.464+/-0.011 χ^2/NDF:870649.5/10

+ sign 44.651+/-0.009 χ^2/NDF: 2404377.3/26

All: 44.999+/-0.006 χ^2/NDF: 4489673.0/55

- 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: -0.018+/-0.016 χ^2/NDF:13.0/10

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

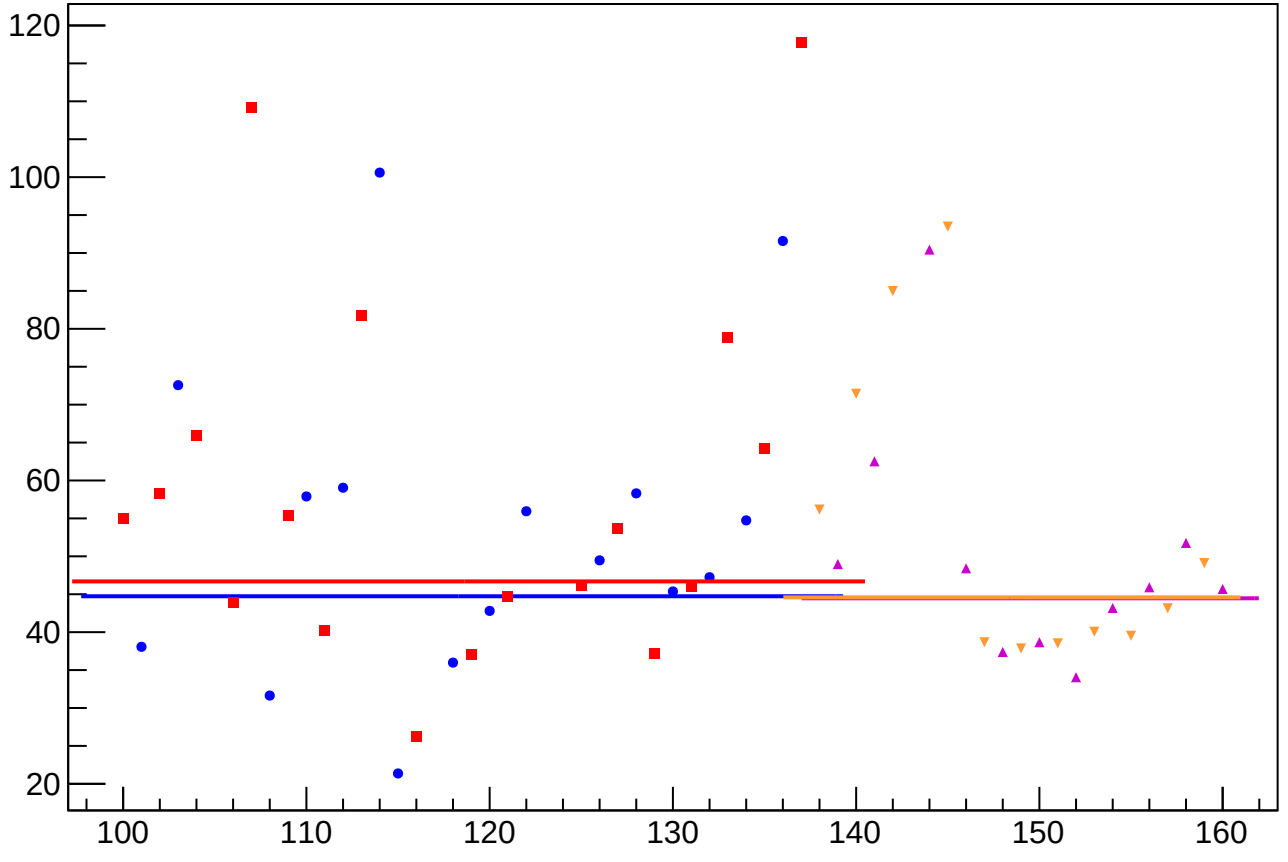
Left In: 0.004+/-0.016 χ^2/NDF:17.3/10

+ sign -0.021+/-0.012 χ^2/NDF: 30.7/26

All: -0.008+/-0.009 χ^2/NDF: 87.0/55

- 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: 44.588+/-0.012 χ^2/NDF:1069767.9/10

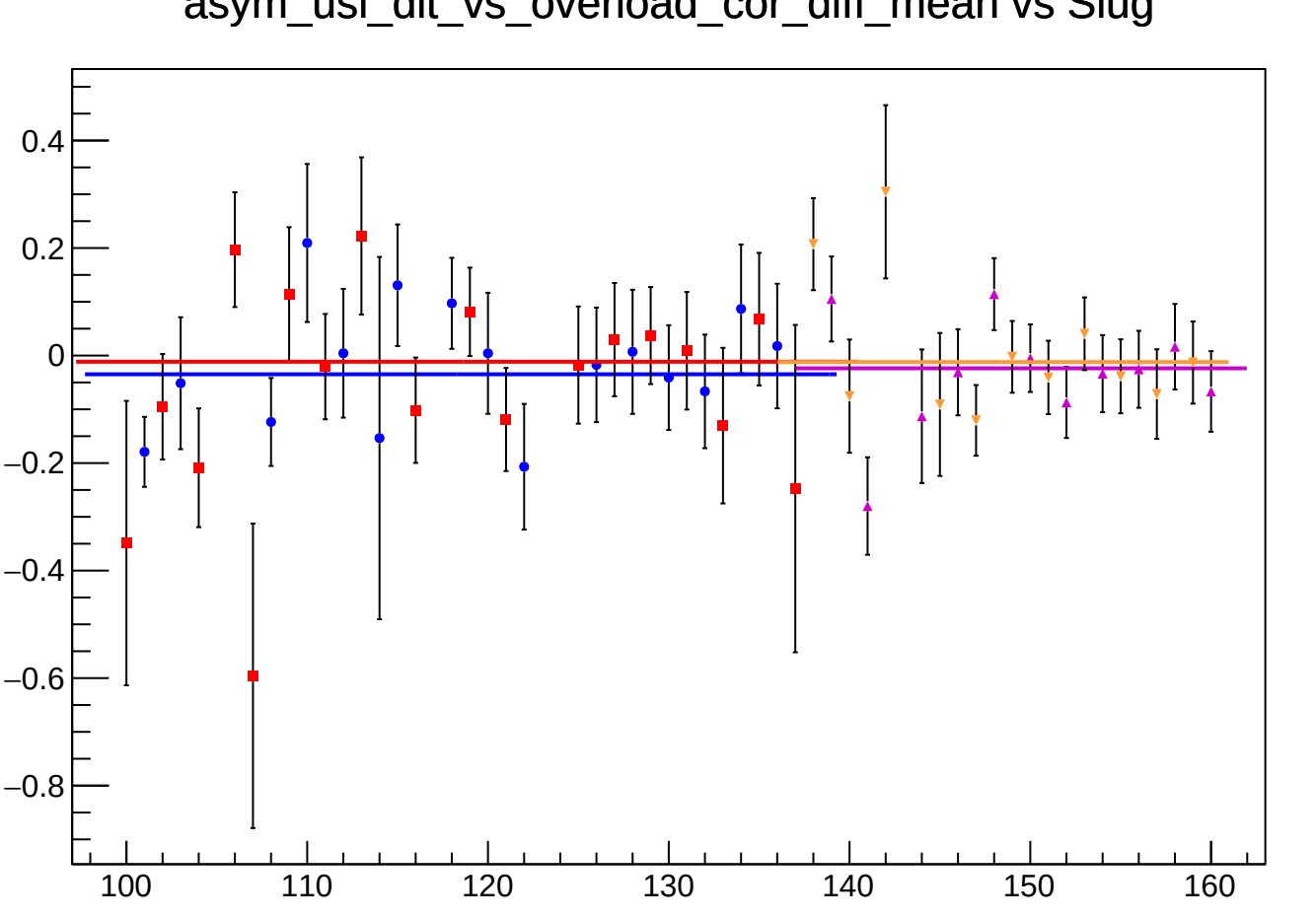
Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

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

\+ sign 44.651+/-0.009 χ^2/NDF: 2404377.3/26

All: 44.999+/-0.006 χ^2/NDF: 4489673.0/55

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



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

Left Out: -0.012+/-0.024 χ^2/NDF:15.3/10

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

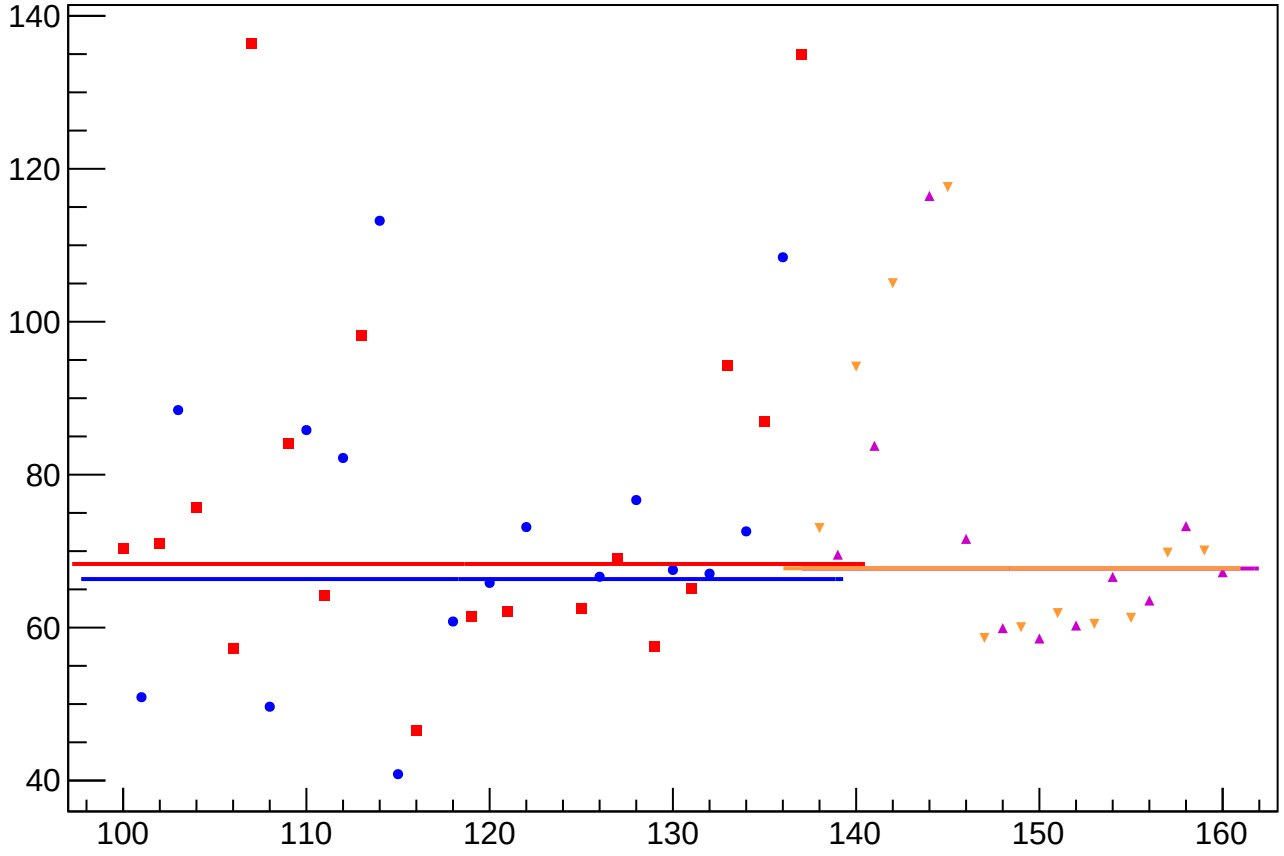
Left In: -0.024+/-0.023 χ^2/NDF:17.0/10

+ sign -0.022+/-0.018 χ^2/NDF: 33.2/26

All: -0.020+/-0.012 χ^2/NDF: 73.1/55

- 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: 67.750+/-0.017 χ^2/NDF:644896.4/10

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

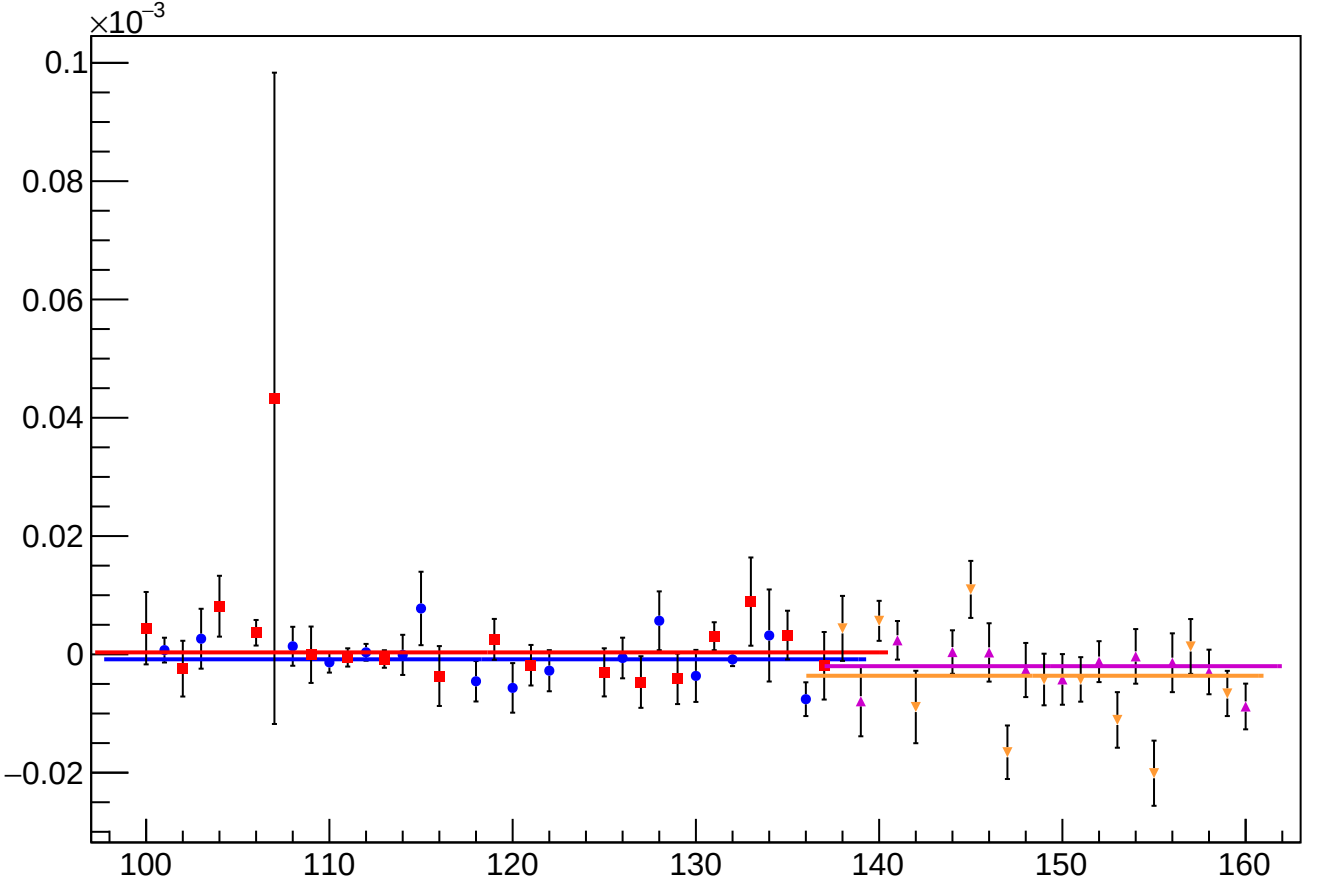
Left In: 67.727+/-0.016 χ^2/NDF:487825.6/10

+ sign 67.113+/-0.013 χ^2/NDF: 1420652.6/26

All: 67.552+/-0.009 χ^2/NDF: 2541136.3/55

- 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:41.0/10

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

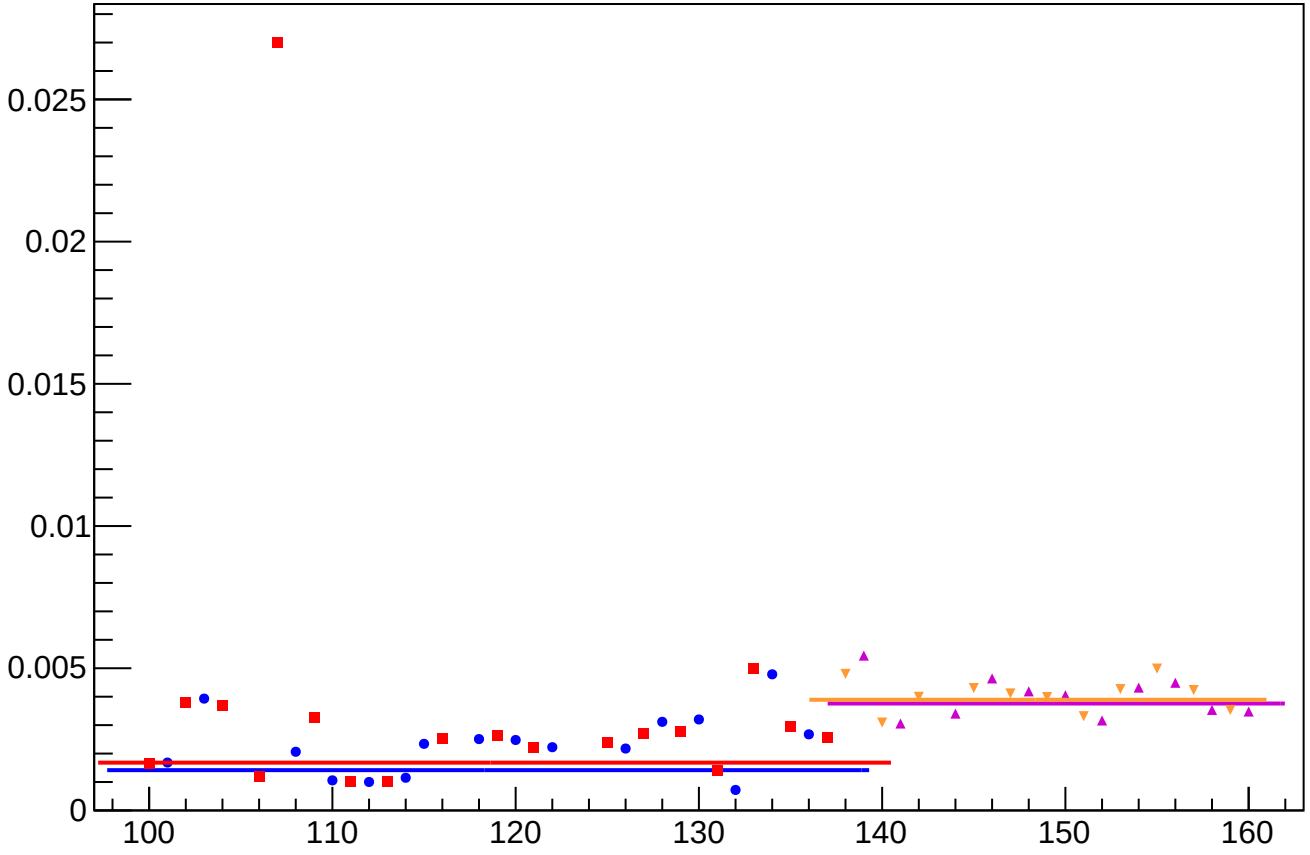
Left In: -0.000+/-0.000 χ^2/NDF:7.1/10

+ sign -0.000+/-0.000 χ^2/NDF: 59.6/26

All: -0.000+/-0.000 χ^2/NDF: 85.7/55

- 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:355941.3/10

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

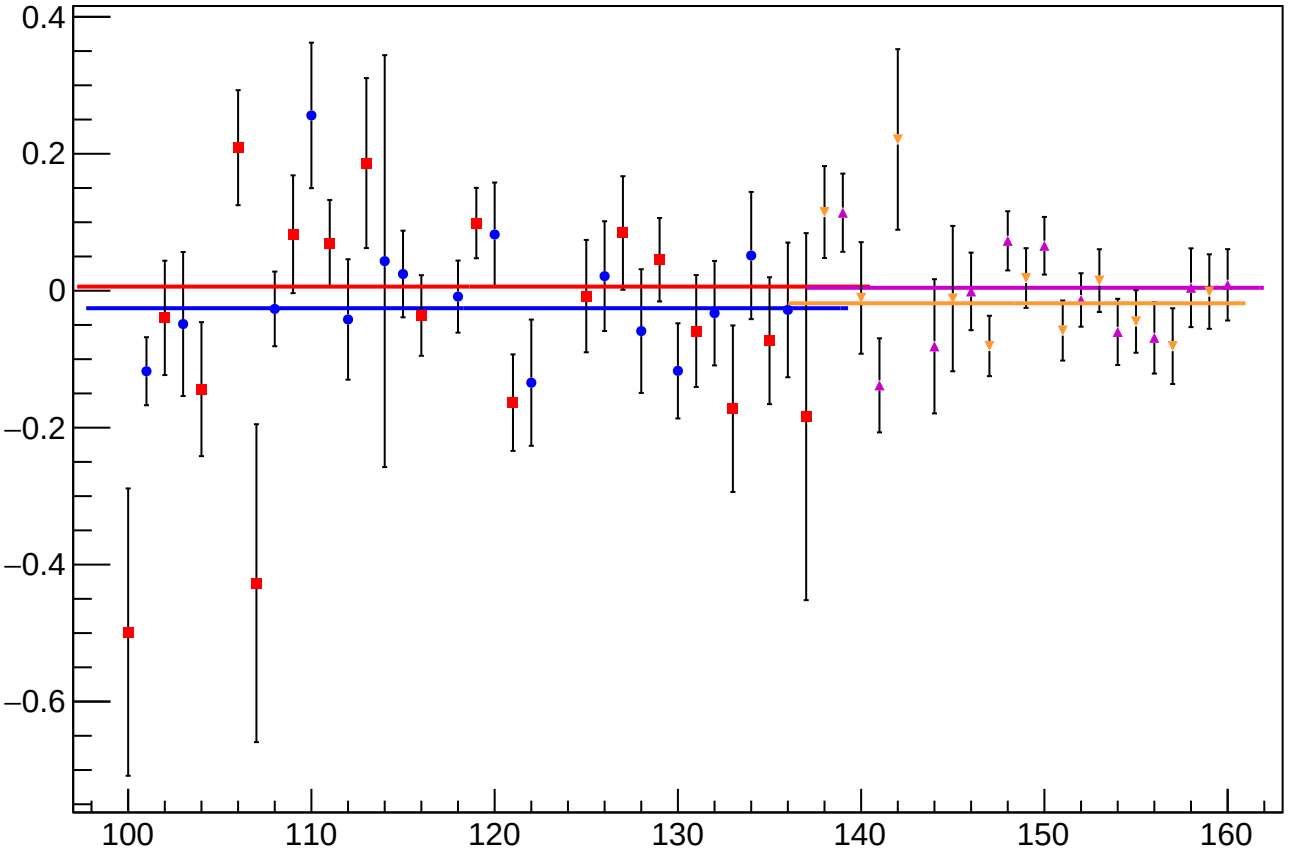
Left In: 0.004+/-0.000 χ^2/NDF:513737.0/10

+ sign 0.002+/-0.000 χ^2/NDF: 9523765.2/26

All: 0.002+/-0.000 χ^2/NDF: 18012497.1/55

- 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: -0.018+/-0.016 χ^2/NDF:13.0/10

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

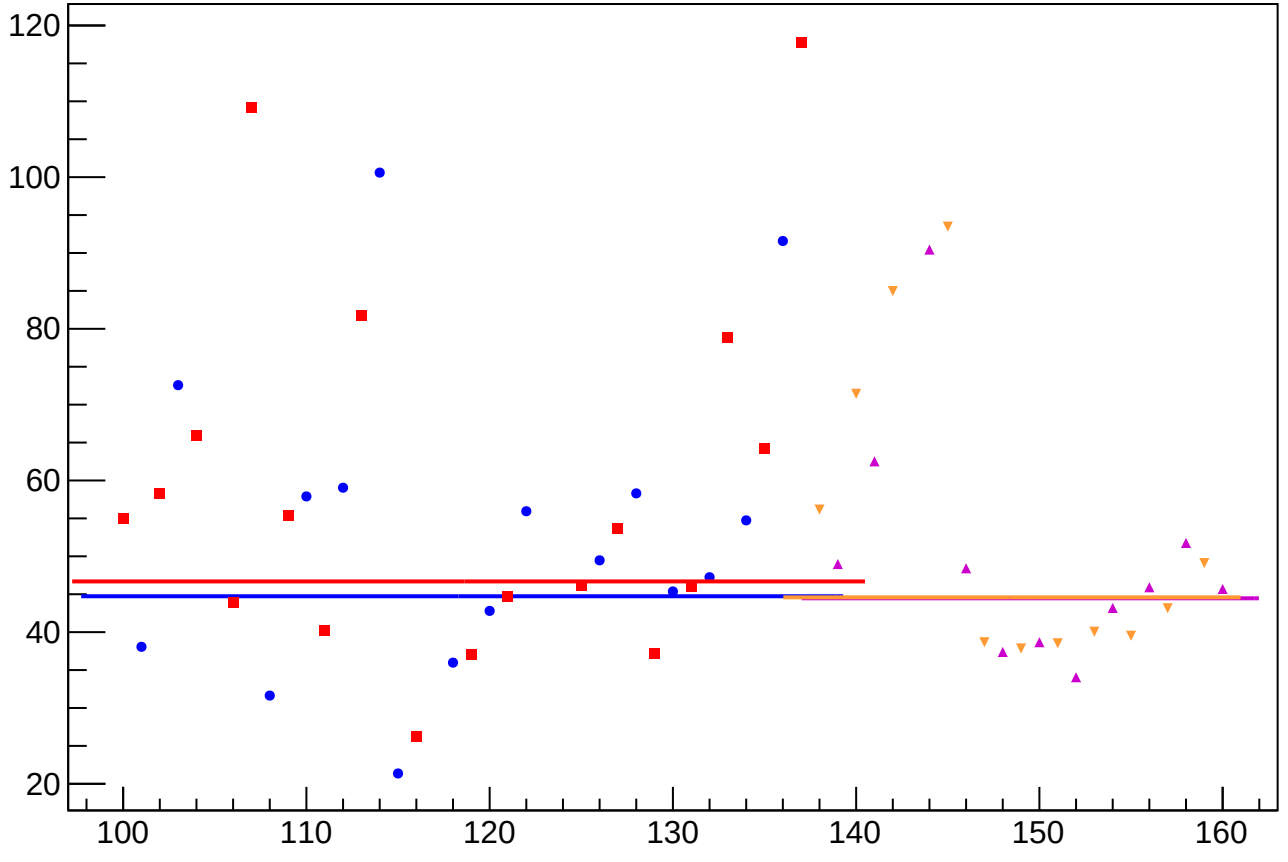
Left In: 0.004+/-0.016 χ^2/NDF:17.3/10

+ sign -0.021+/-0.012 χ^2/NDF: 30.7/26

All: -0.008+/-0.009 χ^2/NDF: 87.0/55

- 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: 44.589+/-0.012 χ^2/NDF:1069728.1/10

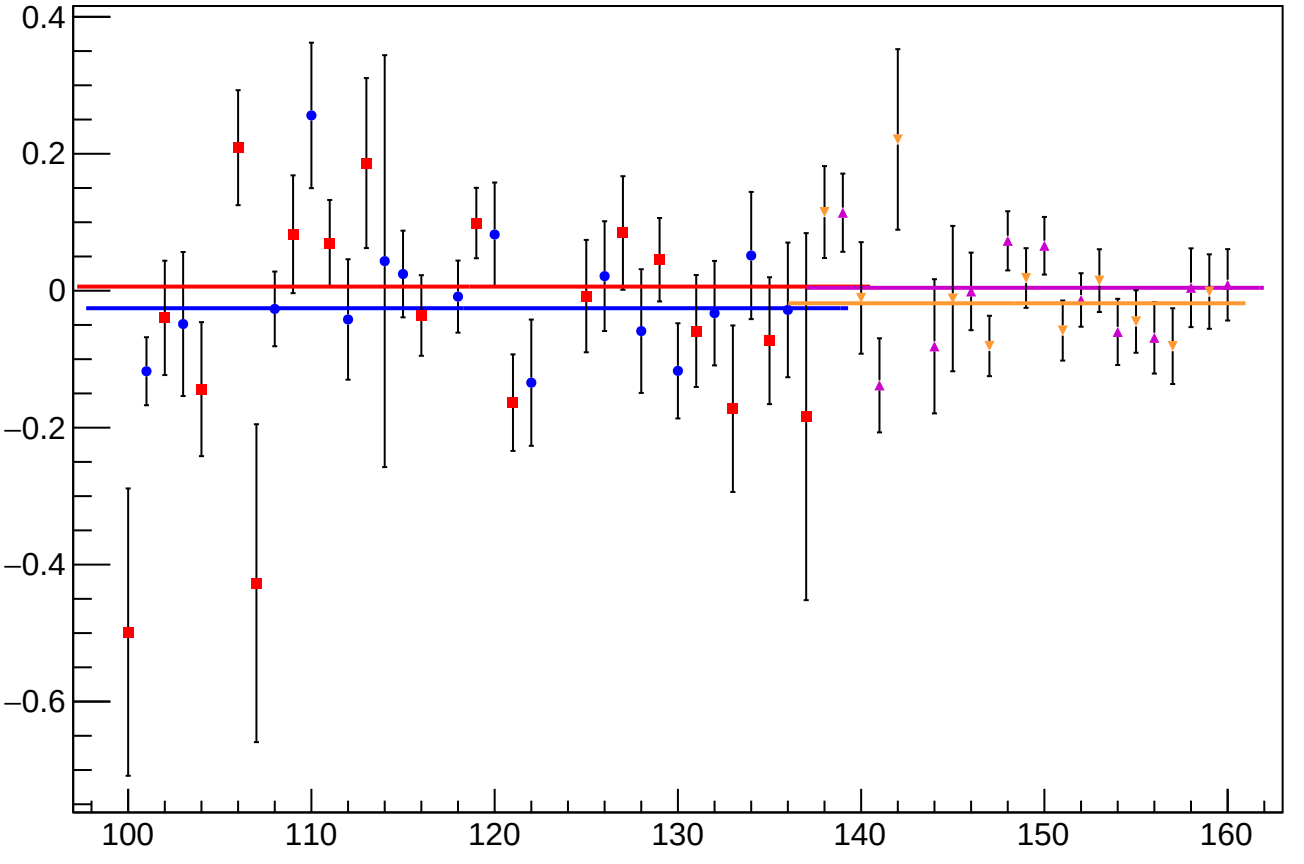
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.464+/-0.011 χ^2/NDF:870627.5/10

\+ sign 44.651+/-0.009 χ^2/NDF: 2404398.4/26

All: 44.999+/-0.006 χ^2/NDF: 4489694.0/55

\- 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: -0.018+/-0.016 χ^2/NDF:13.0/10

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

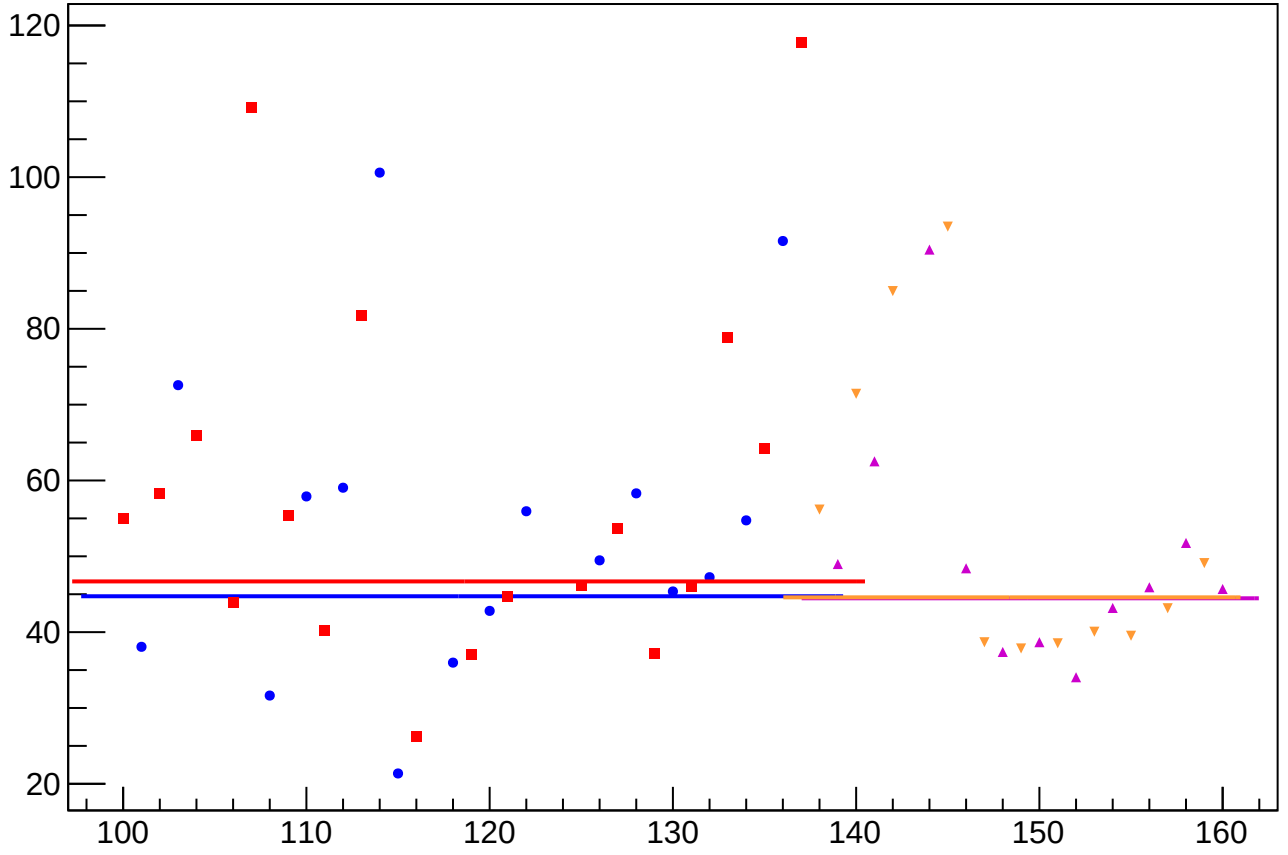
Left In: 0.004+/-0.016 χ^2/NDF:17.3/10

+ sign -0.021+/-0.012 χ^2/NDF: 30.7/26

All: -0.008+/-0.009 χ^2/NDF: 87.0/55

- 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: 44.589+/-0.012 χ^2/NDF:1069728.1/10

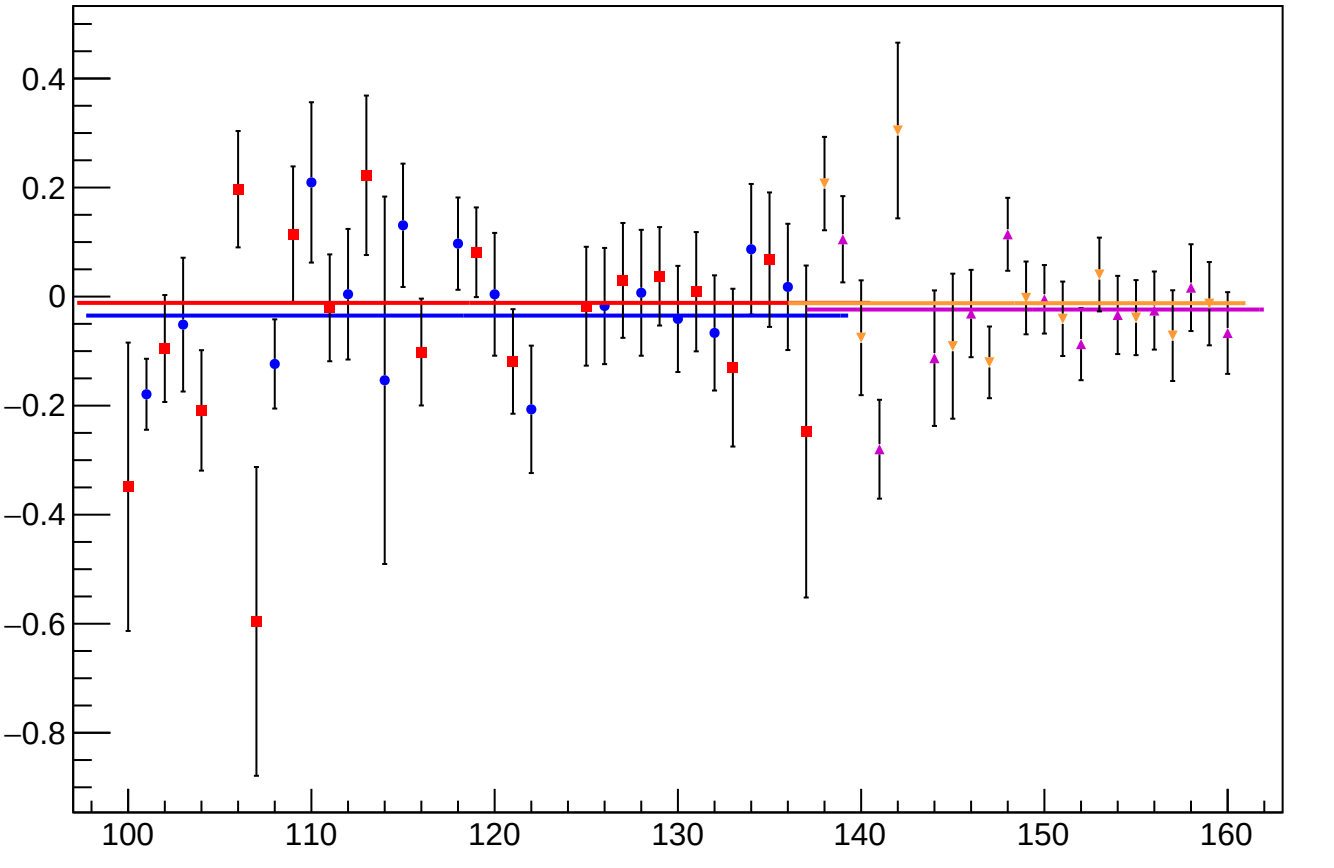
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.464+/-0.011 χ^2/NDF:870627.5/10

\+ sign 44.651+/-0.009 χ^2/NDF: 2404398.4/26

All: 44.999+/-0.006 χ^2/NDF: 4489694.0/55

\- 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: -0.012+/-0.024 χ^2/NDF:15.3/10

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

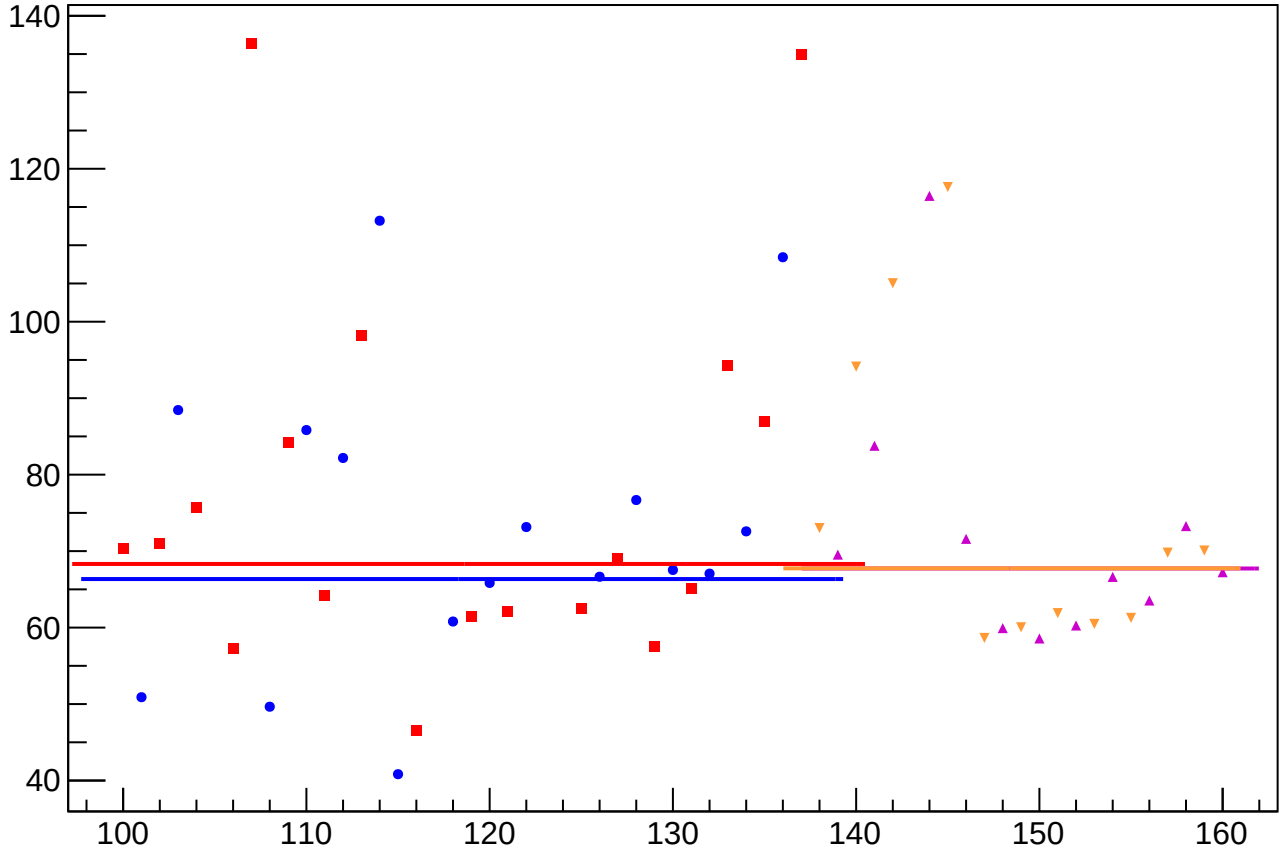
Left In: -0.024+/-0.023 χ^2/NDF:17.0/10

+ sign -0.022+/-0.018 χ^2/NDF: 33.2/26

All: -0.020+/-0.012 χ^2/NDF: 73.1/55

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

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 67.750+/-0.017 χ^2/NDF:644881.9/10

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

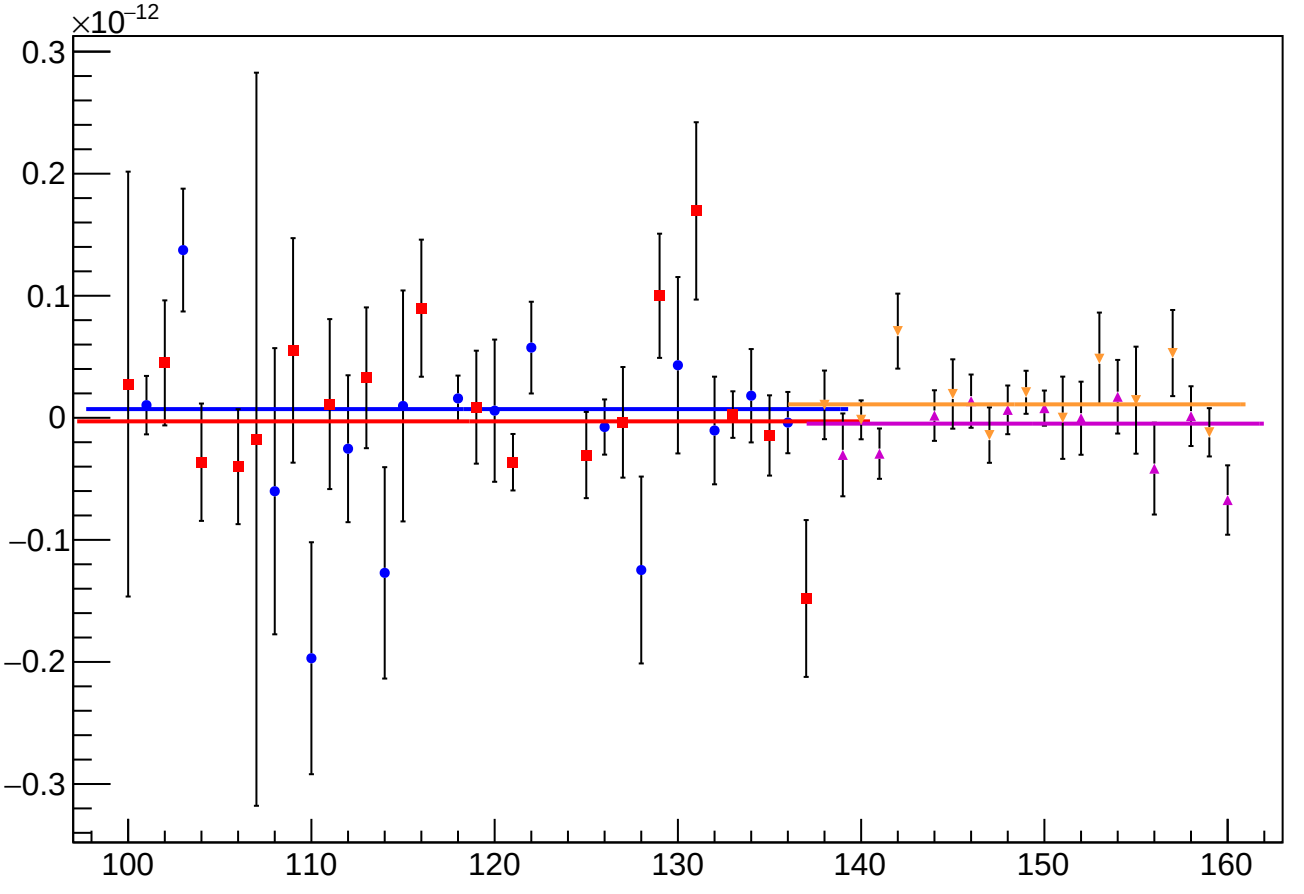
Left In: 67.727+/-0.016 χ^2/NDF:487817.1/10

+ sign 67.112+/-0.013 χ^2/NDF: 1420648.4/26

All: 67.552+/-0.009 χ^2/NDF: 2541117.3/55

- 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:9.9/10

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

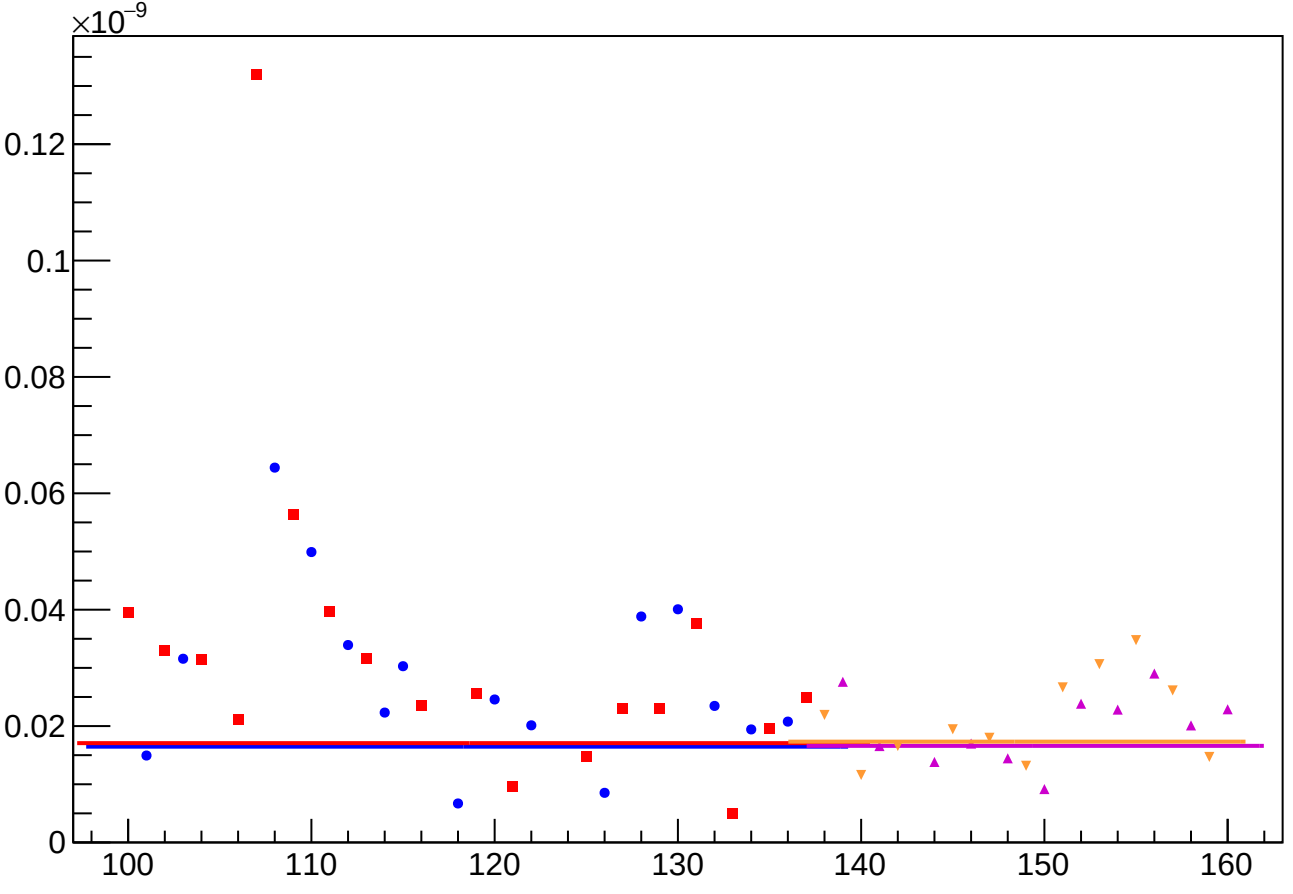
Left In: -0.000+/-0.000 χ^2/NDF:10.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 30.5/26

All: 0.000+/-0.000 χ^2/NDF: 67.0/55

- sign -0.000+/-0.000 χ^2/NDF: 33.7/28

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:1313487.4/10

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

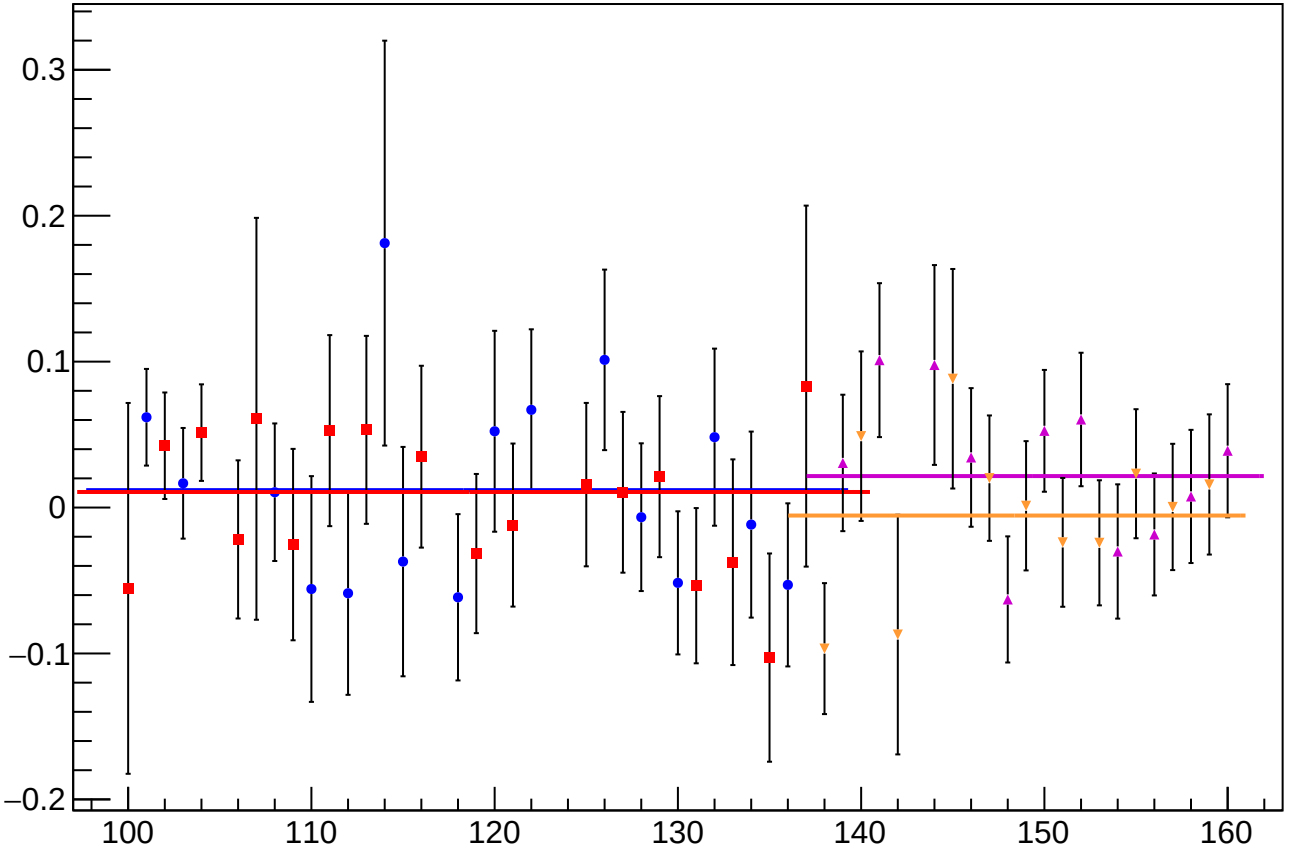
Left In: 0.000+/-0.000 χ^2/NDF:1362385.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 3670005.3/26

All: 0.000+/-0.000 χ^2/NDF: 7828364.0/55

- 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: -0.005+/-0.015 χ^2/NDF:8.9/10

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

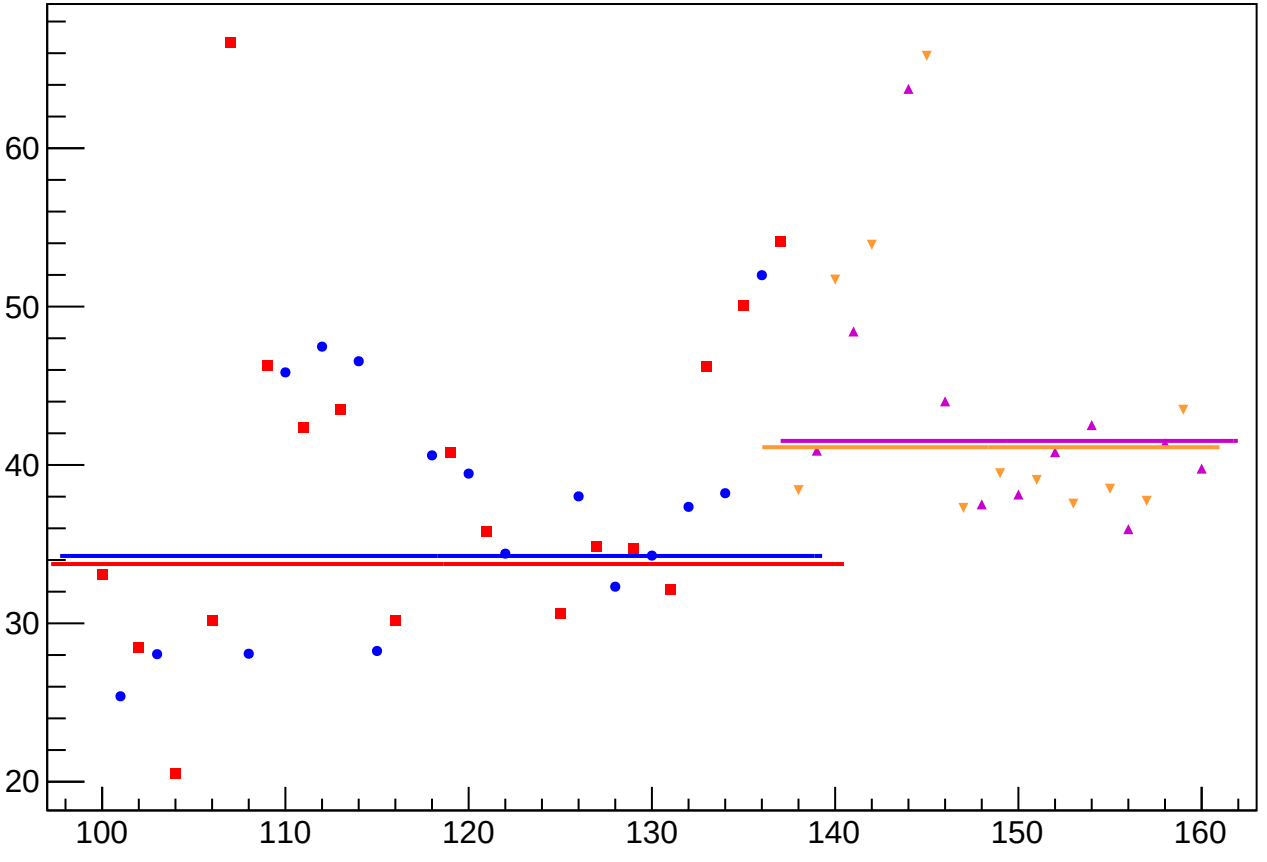
Left In: 0.022+/-0.014 χ^2/NDF:11.1/10

+ sign 0.004+/-0.010 χ^2/NDF: 24.4/26

All: 0.010+/-0.007 χ^2/NDF: 46.5/55

- 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: 41.122+/-0.010 χ^2/NDF:398946.5/10

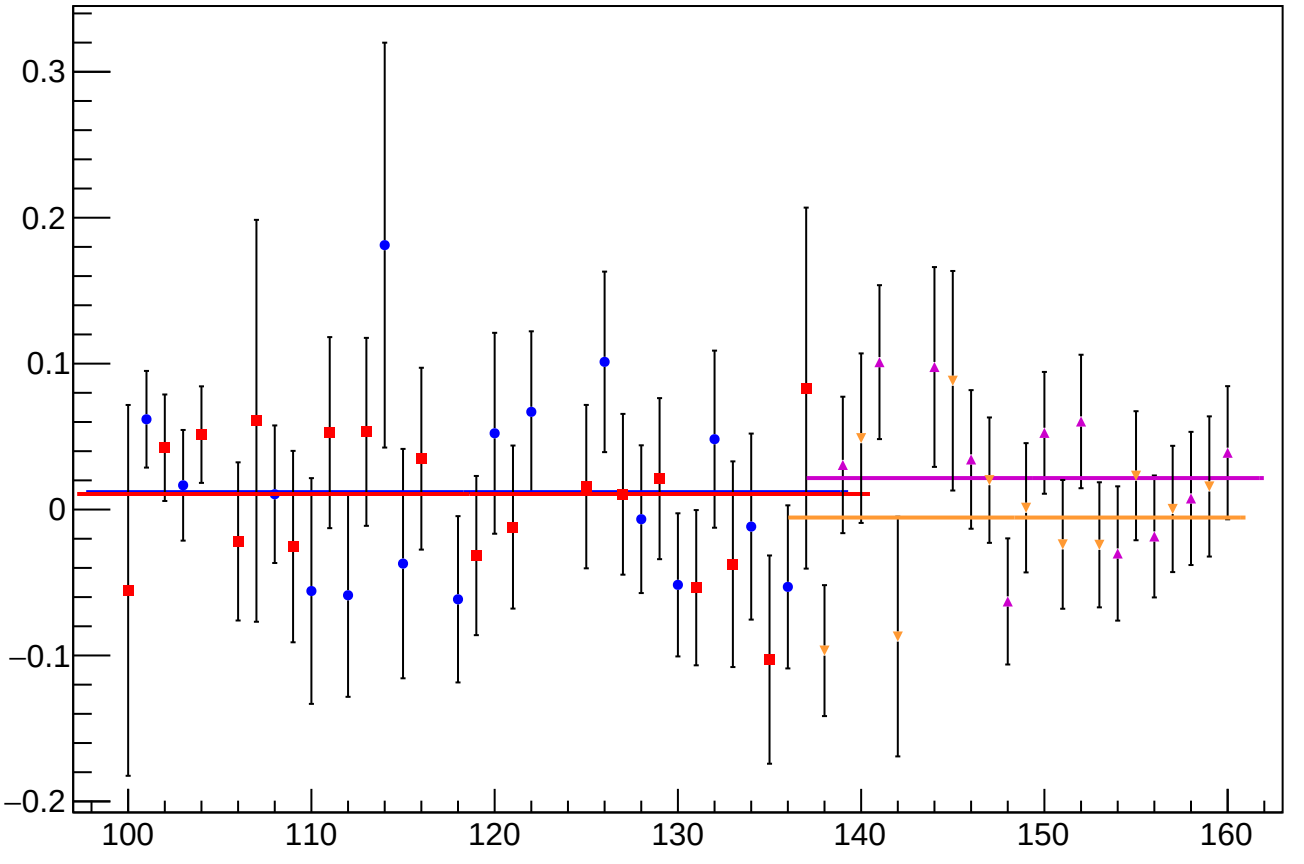
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.520+/-0.010 χ^2/NDF:321247.9/10

+ sign 37.454+/-0.007 χ^2/NDF: 1272102.5/26

All: 37.458+/-0.005 χ^2/NDF: 2824980.7/55

- 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: -0.005+/-0.015 χ^2/NDF:8.9/10

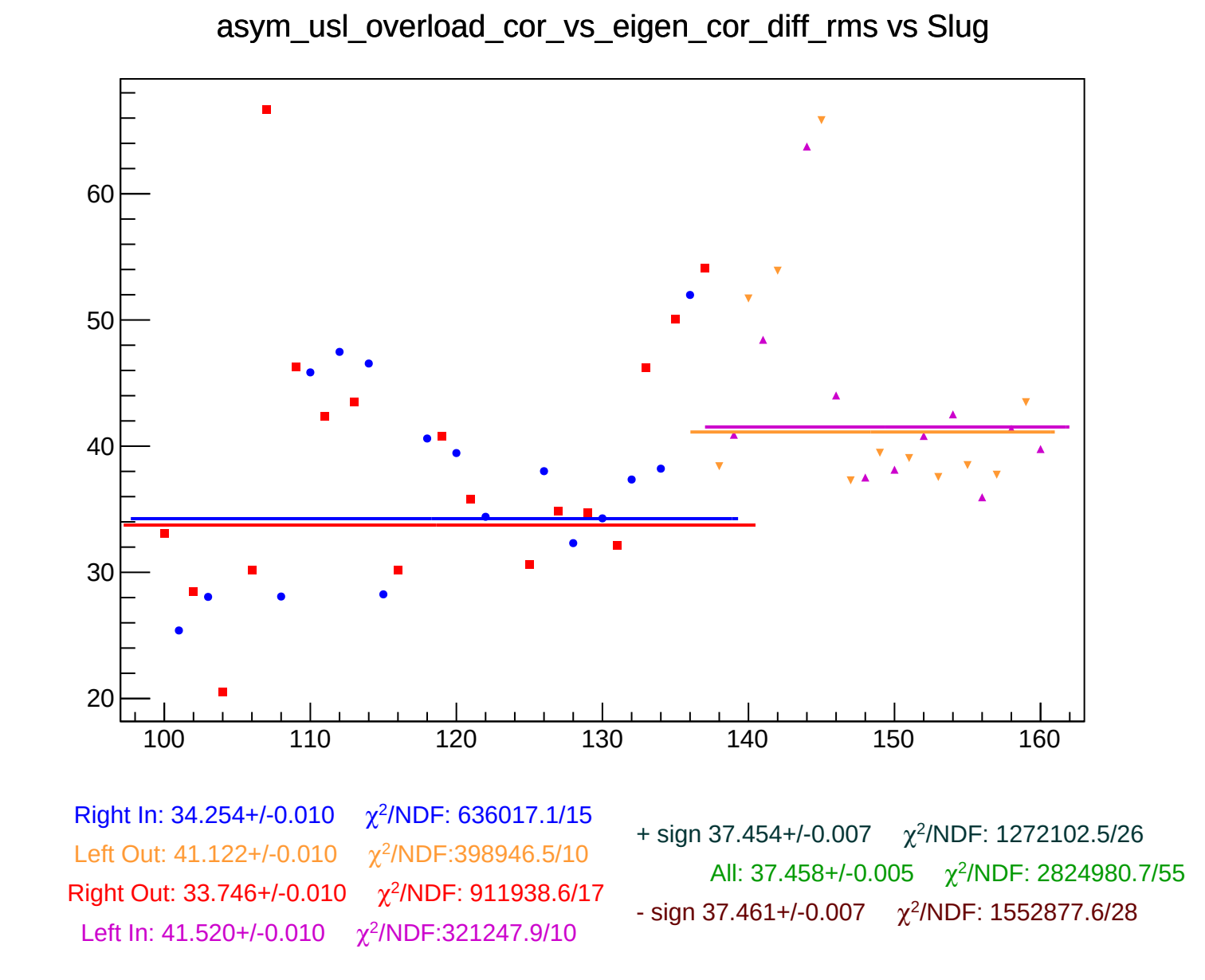
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.022+/-0.014 χ^2/NDF:11.1/10

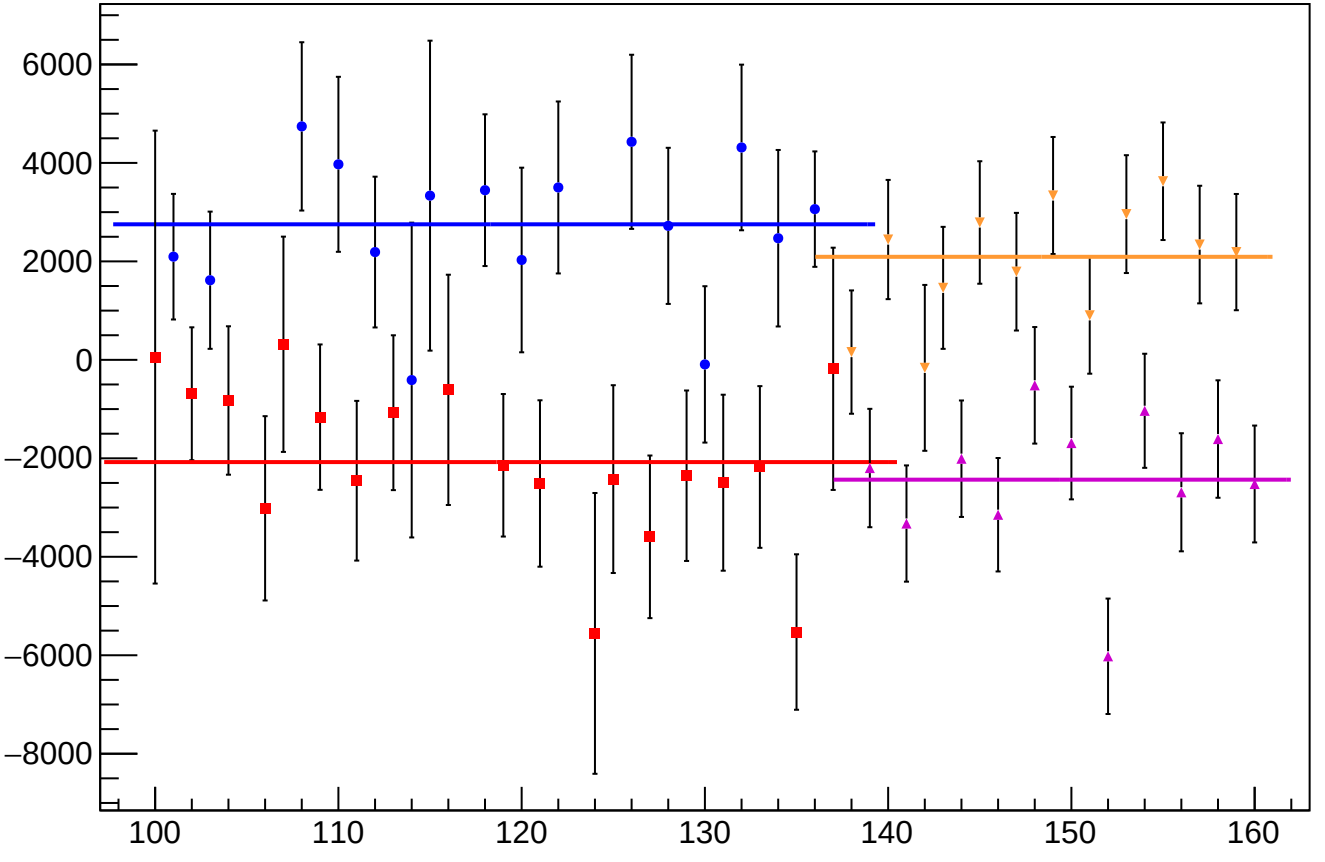
+ sign 0.004+/-0.010 χ^2/NDF: 24.4/26

All: 0.010+/-0.007 χ^2/NDF: 46.5/55

- sign 0.016+/-0.010 χ^2/NDF: 21.4/28


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 41.122+/-0.010 χ²/NDF:398946.5/10
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 41.520+/-0.010 χ²/NDF:321247.9/10
+ sign 37.454+/-0.007 χ²/NDF: 1272102.5/26
All: 37.458+/-0.005 χ²/NDF: 2824980.7/55
- sign 37.461+/-0.007 χ²/NDF: 1552877.6/28

reg_asym_usr_mean vs Slug



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

Left Out: 2092.843+/-355.625 χ^2/NDF:9.2/11

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

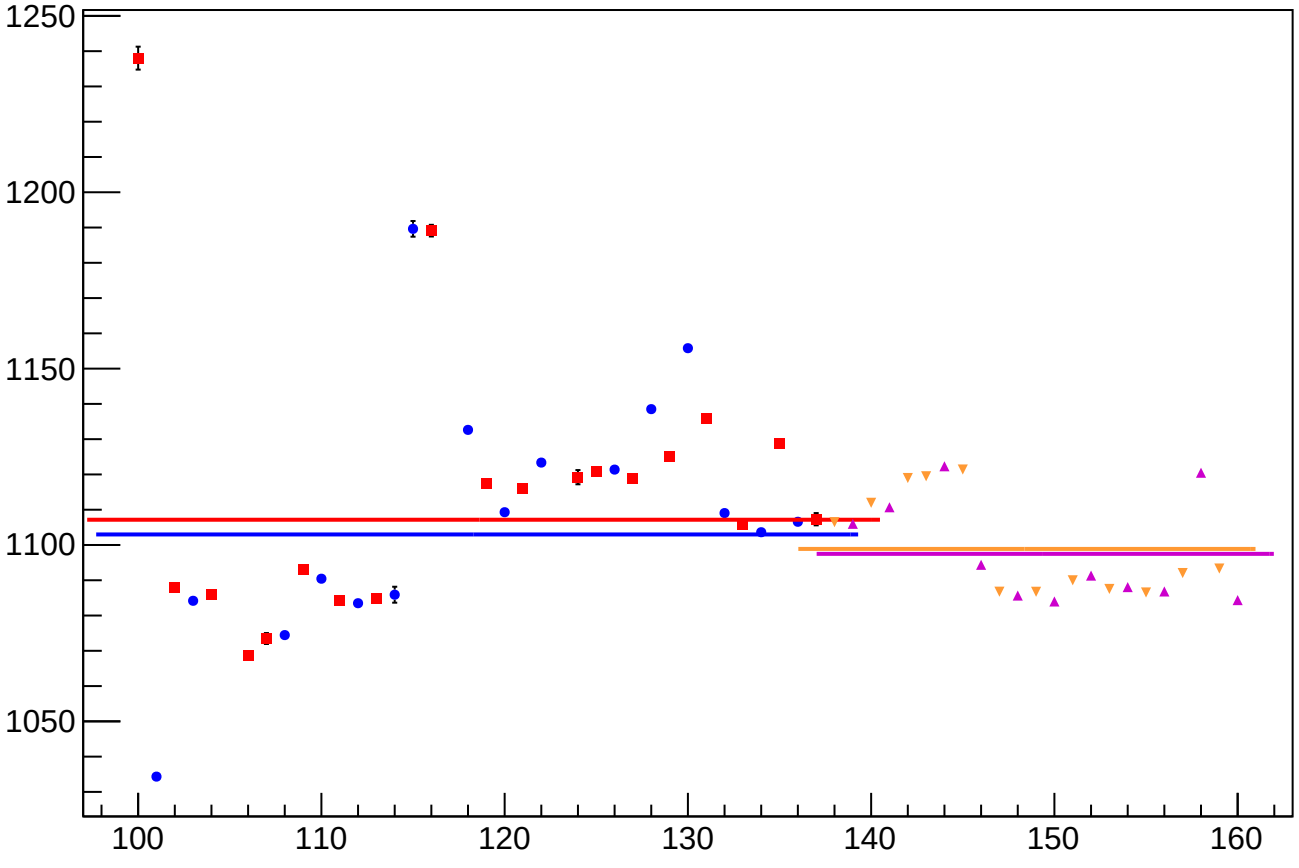
Left In: -2433.680+/-354.985 χ^2/NDF:15.5/10

+ sign 2376.454+/-268.602 χ^2/NDF: 20.2/27

All: 31.910+/-189.221 χ^2/NDF: 200.0/57

- 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: 1098.886+/-0.251 χ^2/NDF:2830.0/11

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

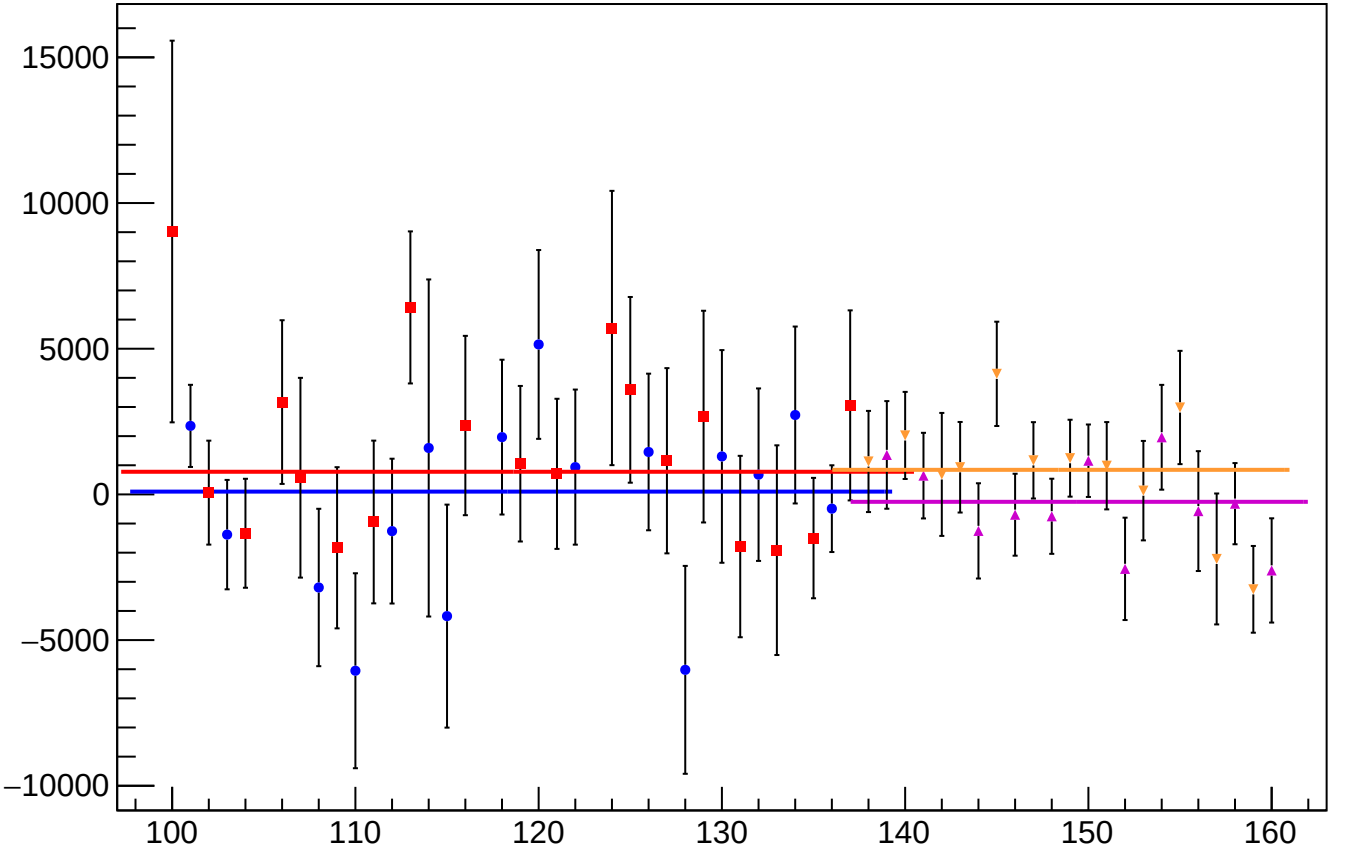
Left In: 1097.485+/-0.251 χ^2/NDF:3058.0/10

+ sign 1100.648+/-0.190 χ^2/NDF: 16168.1/27

All: 1101.179+/-0.134 χ^2/NDF: 28572.5/57

- 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: 843.293+/-466.760 χ^2/NDF:15.0/11

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

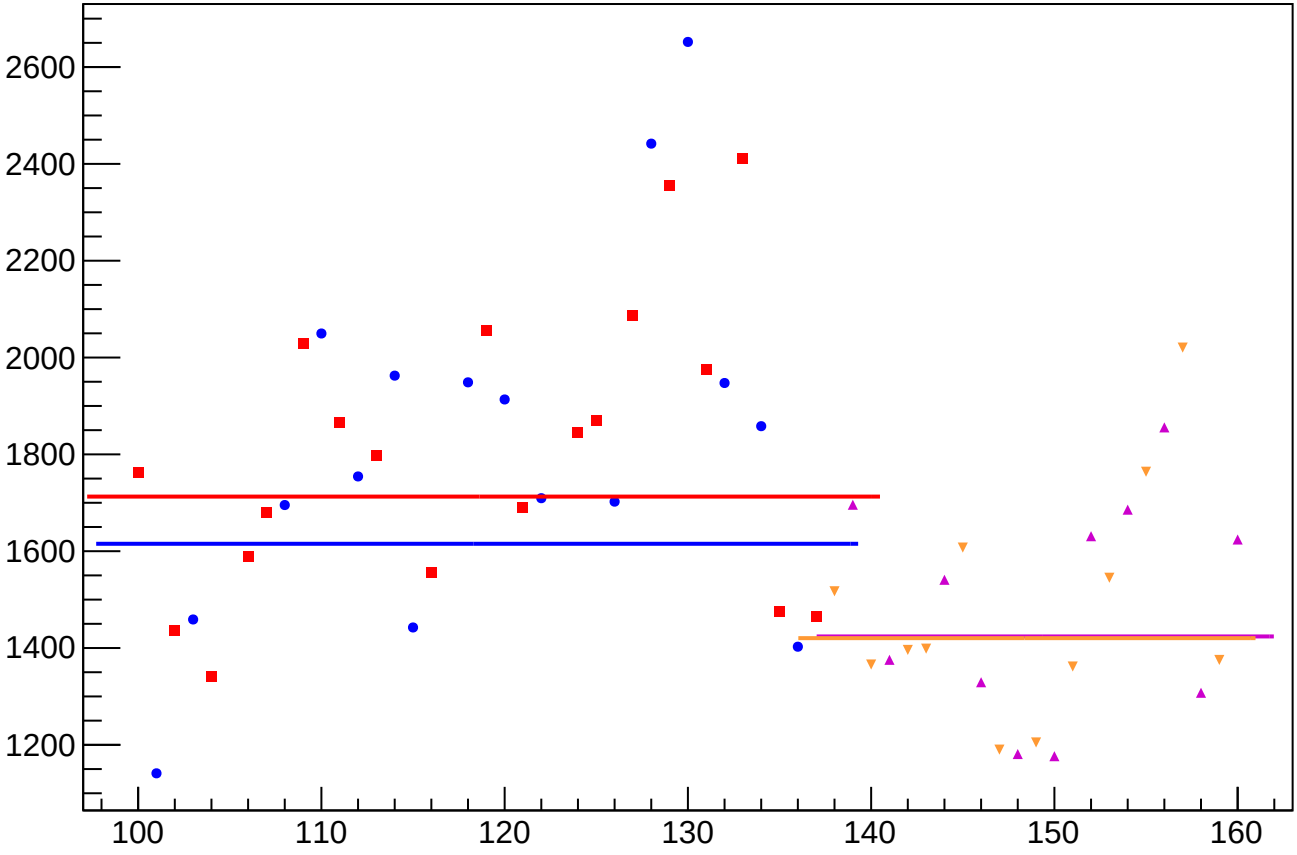
Left In: -254.508+/-467.171 χ^2/NDF:8.0/10

+ sign 571.886+/-372.483 χ^2/NDF: 32.9/27

All: 341.712+/-264.868 χ^2/NDF: 58.5/57

- 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: 1420.404+/-0.330 χ^2/NDF:367286.4/11

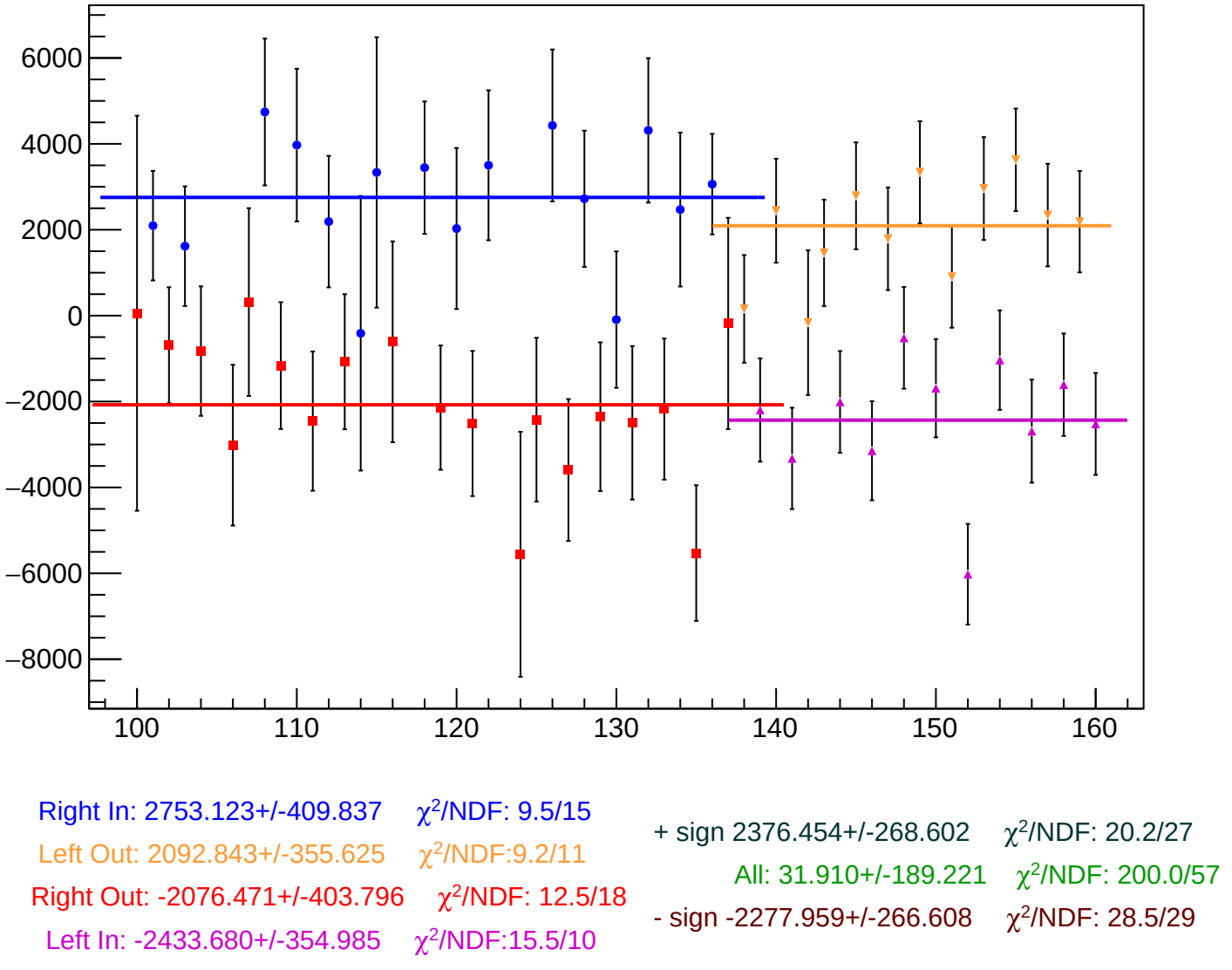
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1423.931+/-0.330 χ^2/NDF:412280.6/10

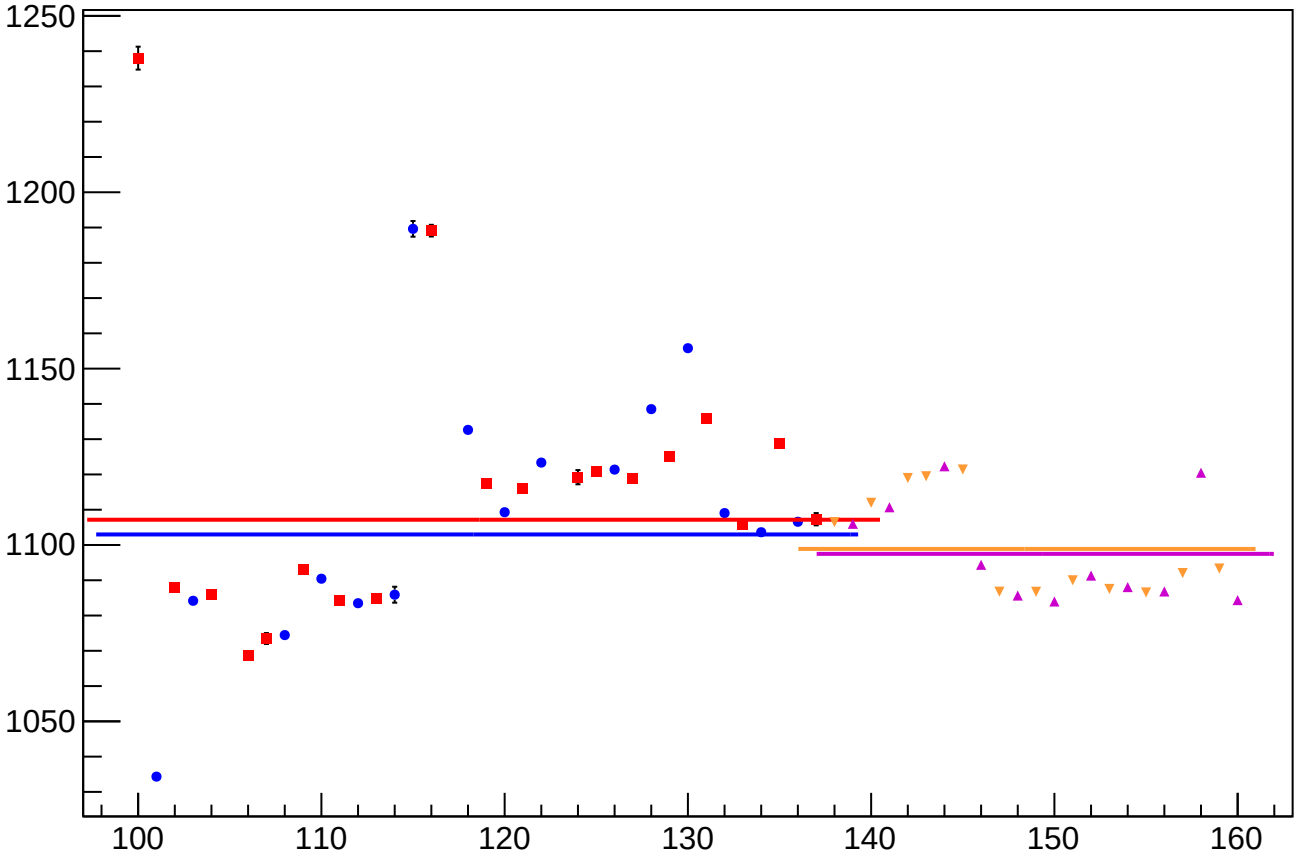
+ sign 1491.189+/-0.263 χ^2/NDF: 1187571.7/27

All: 1507.888+/-0.187 χ^2/NDF: 2303508.3/57

- sign 1524.969+/-0.266 χ^2/NDF: 1107804.9/29


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: 2092.843+/-355.625 χ²/NDF:9.2/11
Right Out: -2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: -2433.680+/-354.985 χ²/NDF:15.5/10
+ sign 2376.454+/-268.602 χ²/NDF: 20.2/27
All: 31.910+/-189.221 χ²/NDF: 200.0/57
- sign -2277.959+/-266.608 χ²/NDF: 28.5/29

cor_asym_usr_rms vs Slug



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

Left Out: 1098.886+/-0.251 χ^2/NDF:2830.0/11

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

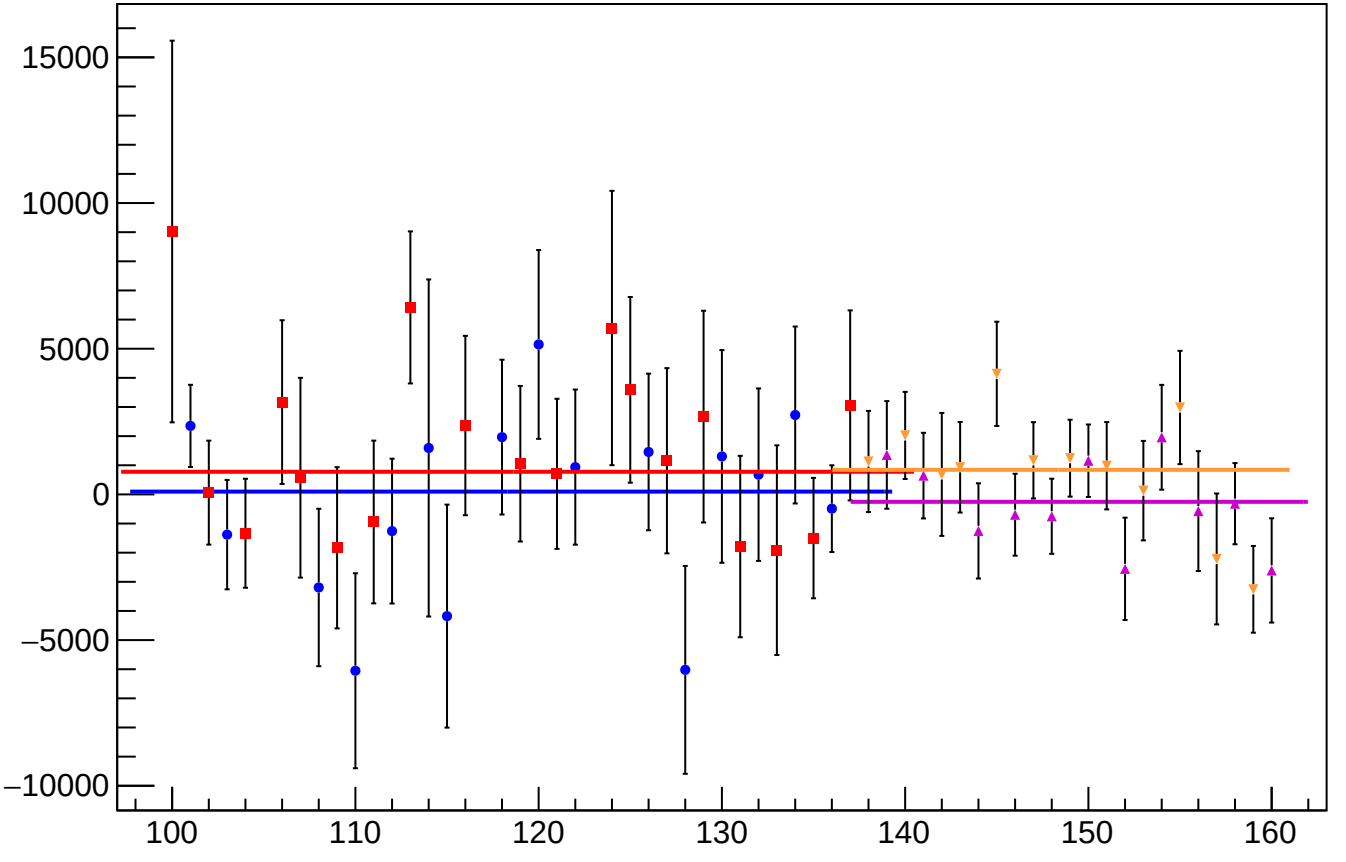
Left In: 1097.485+/-0.251 χ^2/NDF:3058.0/10

+ sign 1100.648+/-0.190 χ^2/NDF: 16168.1/27

All: 1101.179+/-0.134 χ^2/NDF: 28572.5/57

- 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: 843.293+/-466.760 χ^2/NDF:15.0/11

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

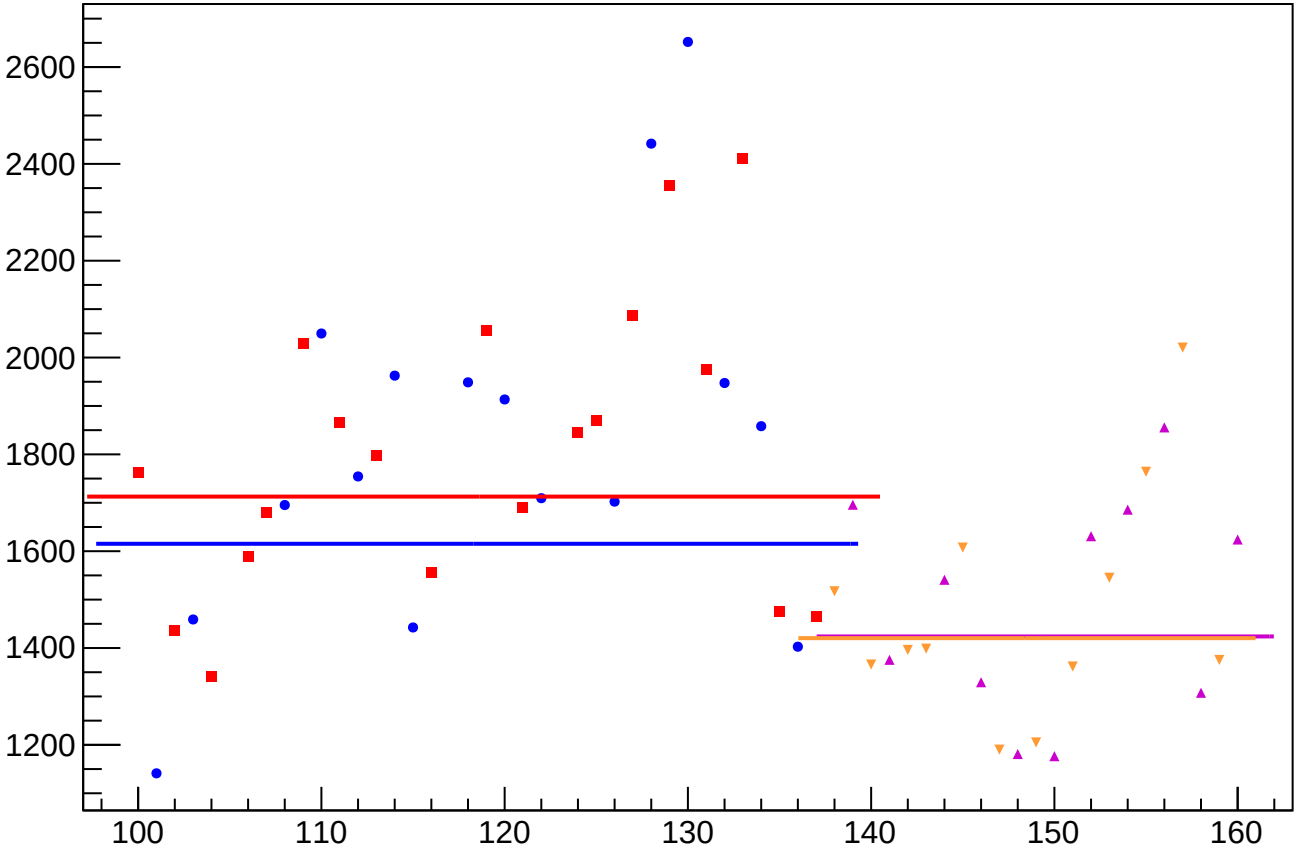
Left In: -254.508+/-467.171 χ^2/NDF:8.0/10

\+ sign 571.886+/-372.483 χ^2/NDF: 32.9/27

All: 341.712+/-264.868 χ^2/NDF: 58.5/57

\- 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: 1420.404+/-0.330 χ^2/NDF:367286.4/11

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

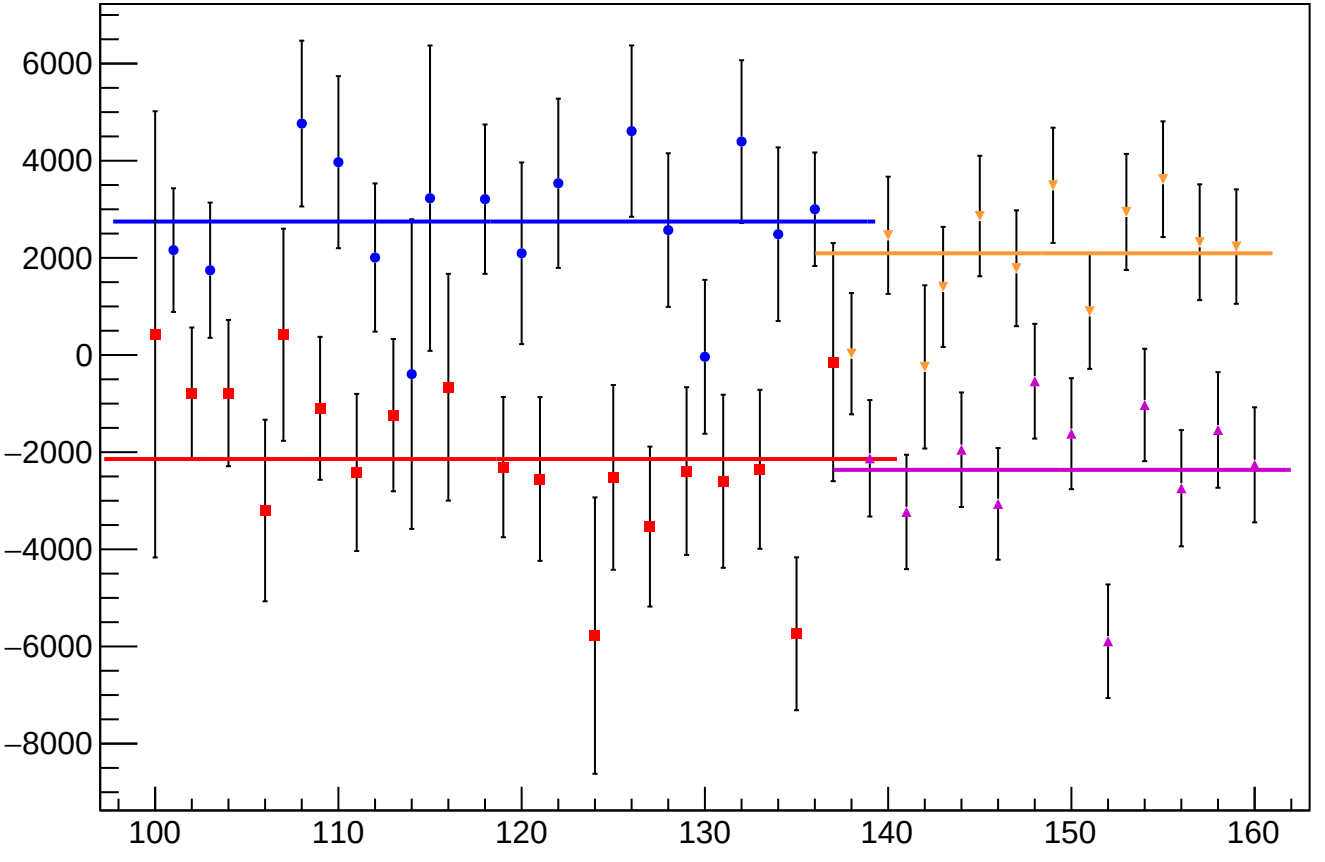
Left In: 1423.931+/-0.330 χ^2/NDF:412280.6/10

+ sign 1491.189+/-0.263 χ^2/NDF: 1187571.7/27

All: 1507.888+/-0.187 χ^2/NDF: 2303508.3/57

- 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: 2094.300+/-354.705 χ^2/NDF:10.1/11

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

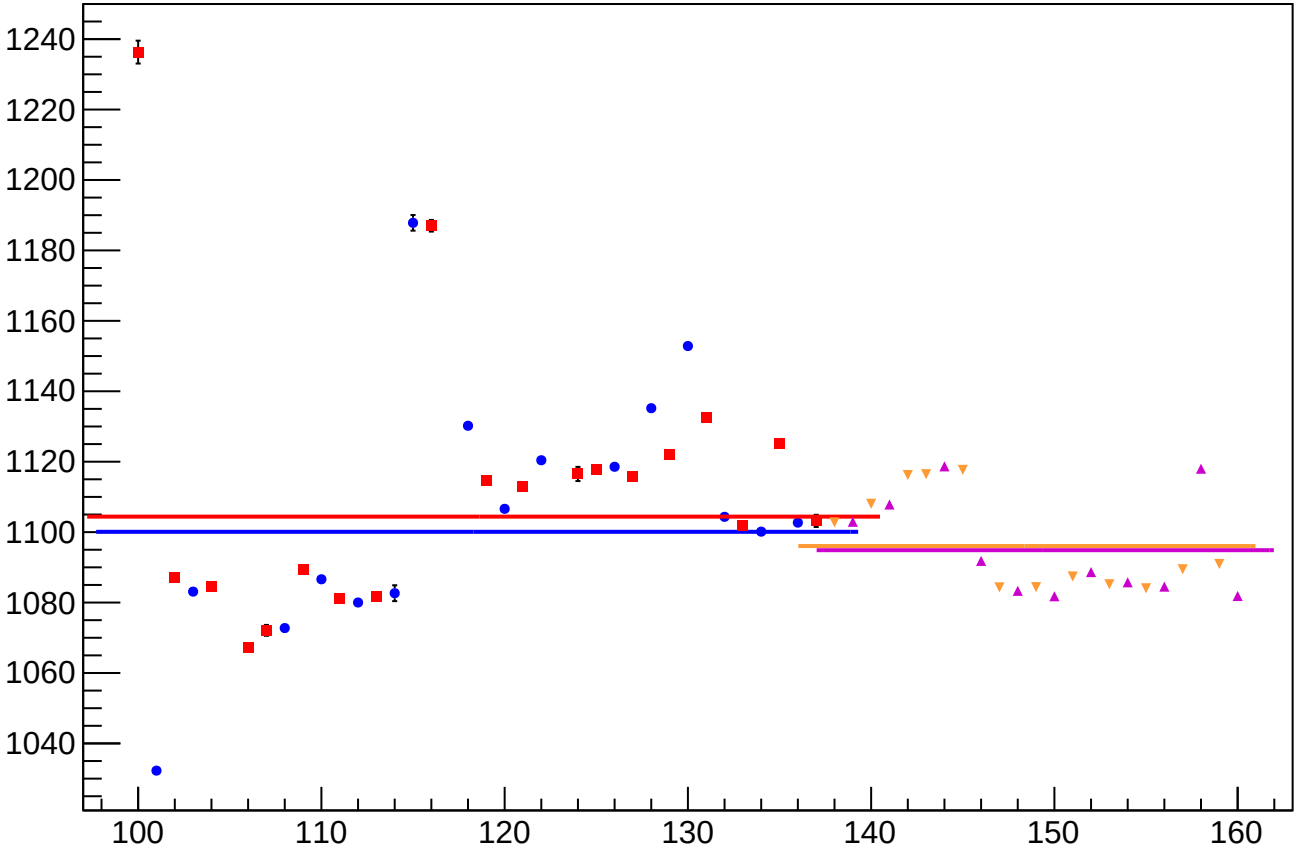
Left In: -2364.137+/-354.138 χ^2/NDF:14.9/10

+ sign 2375.072+/-267.902 χ^2/NDF: 21.1/27

All: 37.186+/-188.745 χ^2/NDF: 201.0/57

- 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: 1096.049+/-0.251 χ^2/NDF:2658.3/11

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

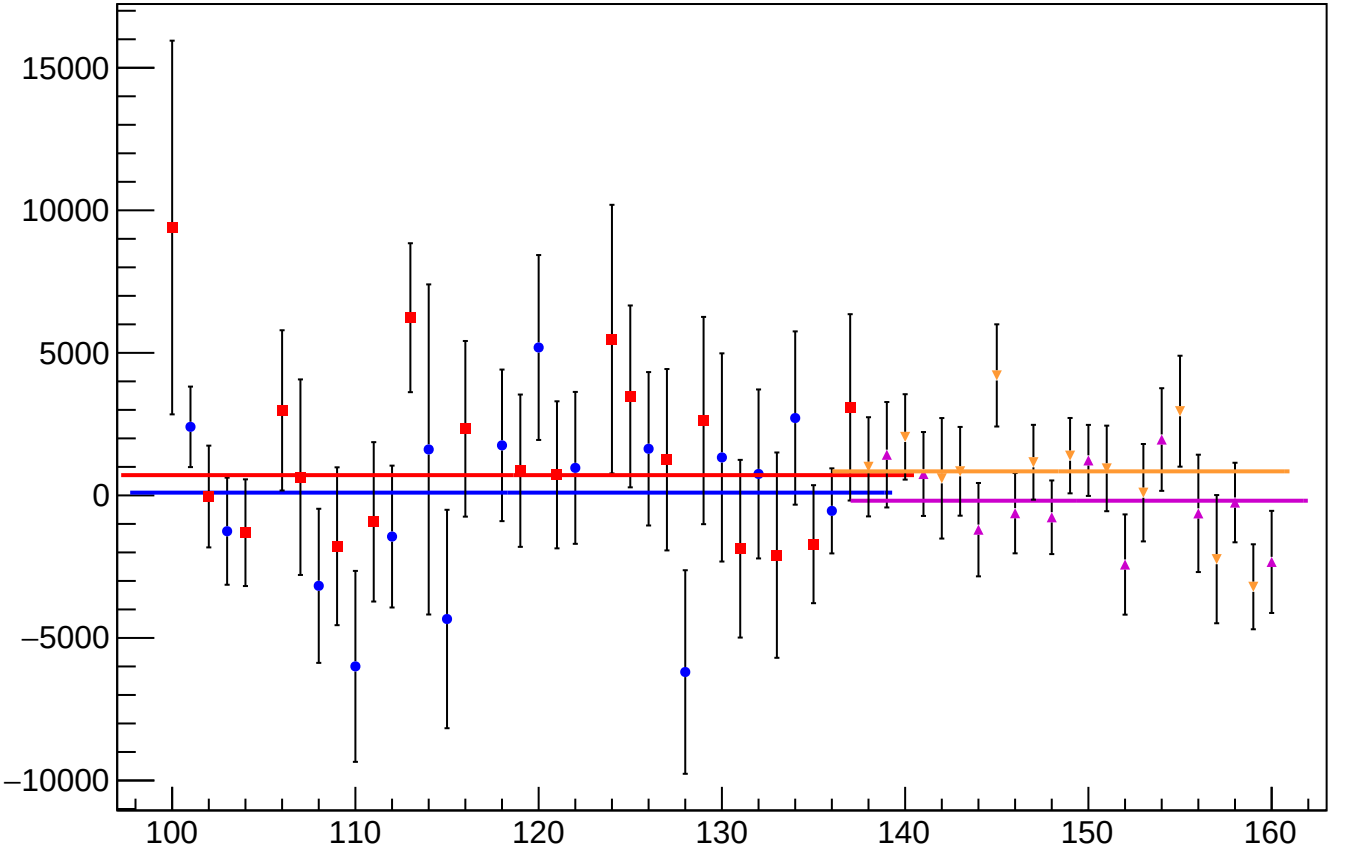
Left In: 1094.870+/-0.250 χ^2/NDF:2944.3/10

+ sign 1097.785+/-0.189 χ^2/NDF: 15847.0/27

All: 1098.410+/-0.133 χ^2/NDF: 27988.2/57

- 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: 843.803+/-467.514 χ^2/NDF:15.1/11

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

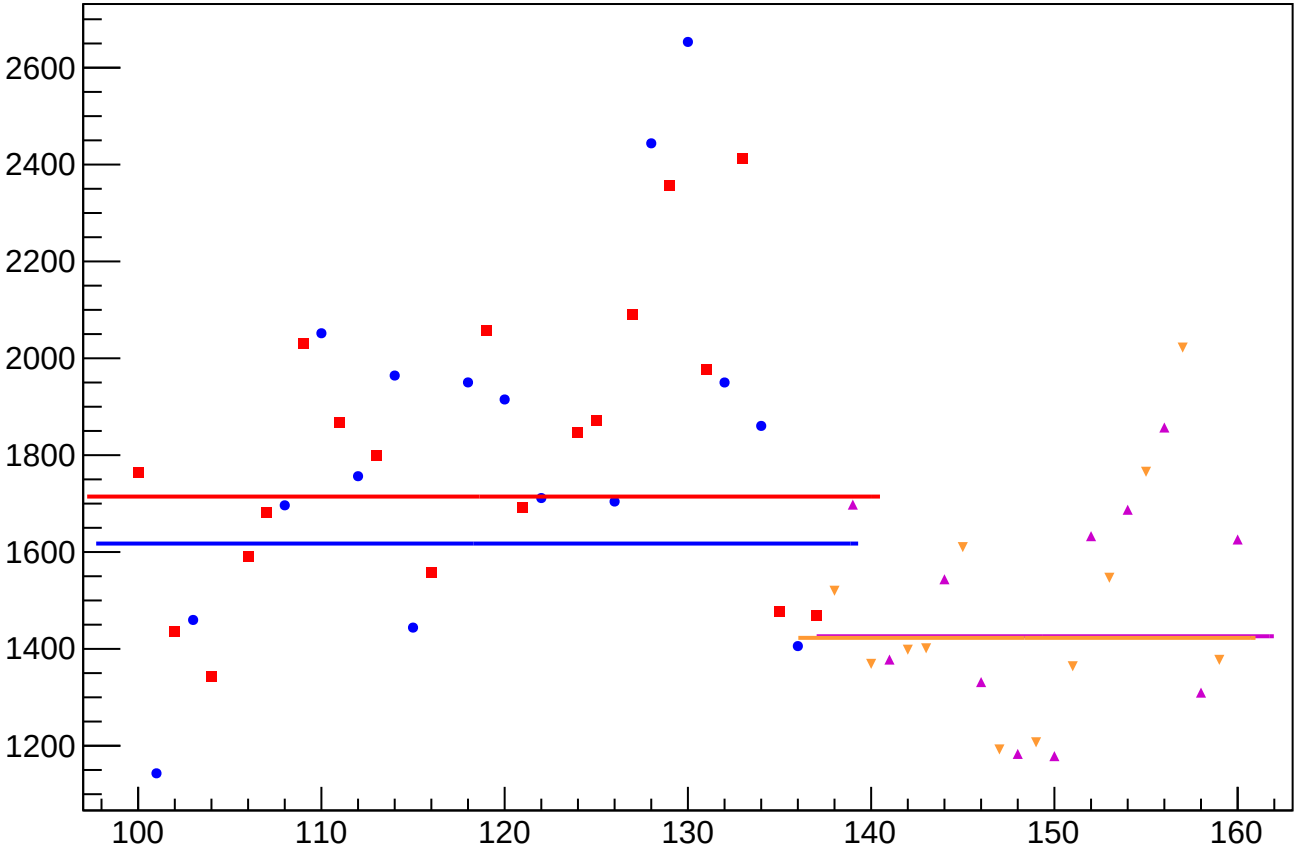
Left In: -186.223+/-467.858 χ^2/NDF:7.7/10

\+ sign 572.627+/-373.038 χ^2/NDF: 33.2/27

All: 352.732+/-265.237 χ^2/NDF: 57.8/57

\- 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: 1422.789+/-0.331 χ^2/NDF:365868.6/11

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

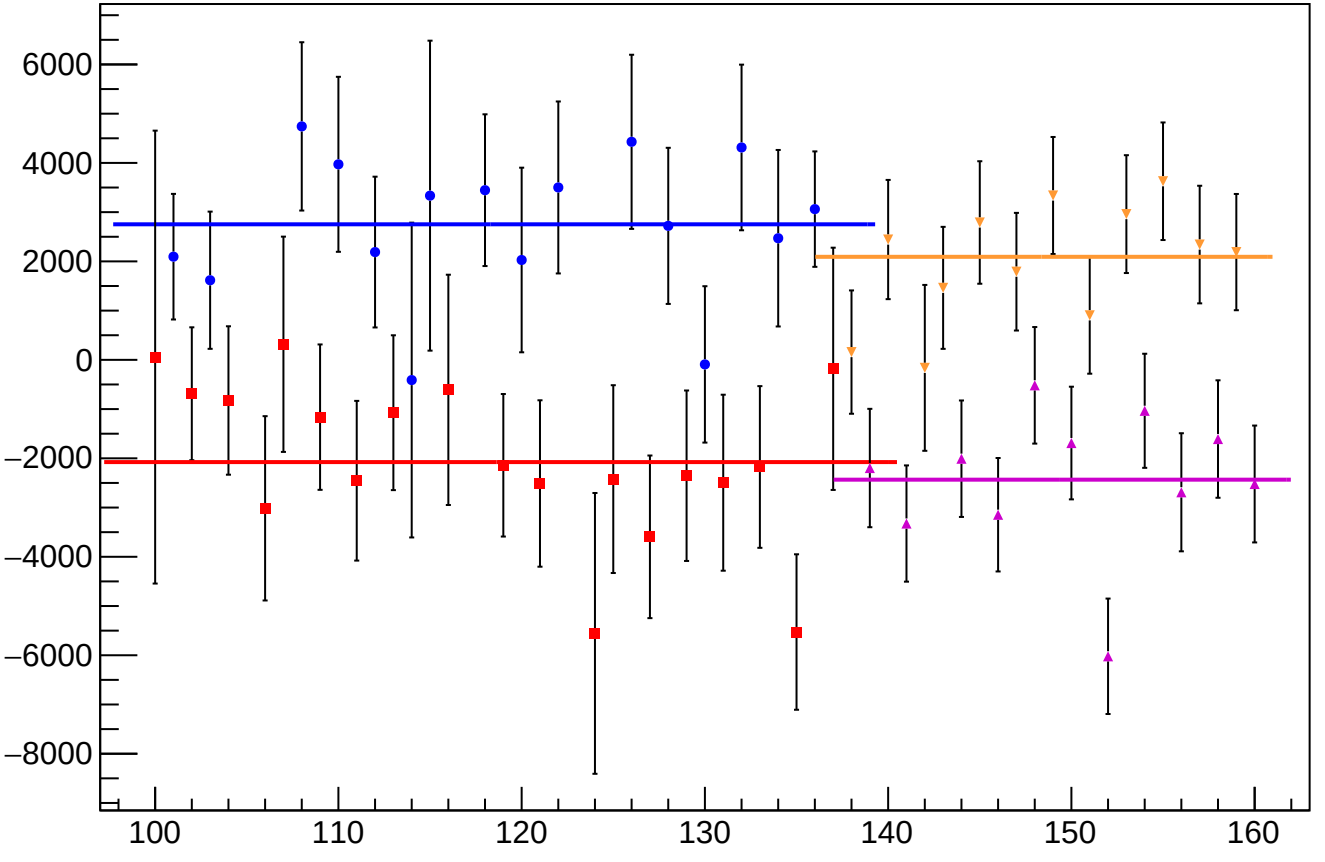
Left In: 1426.108+/-0.331 χ^2/NDF:410617.3/10

+ sign 1493.529+/-0.264 χ^2/NDF: 1183625.8/27

All: 1510.102+/-0.188 χ^2/NDF: 2295921.0/57

- sign 1527.047+/-0.267 χ^2/NDF: 1104311.7/29

eigen_cor_asym_usr_mean vs Slug



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

Left Out: 2092.843+/-355.625 χ^2/NDF:9.2/11

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

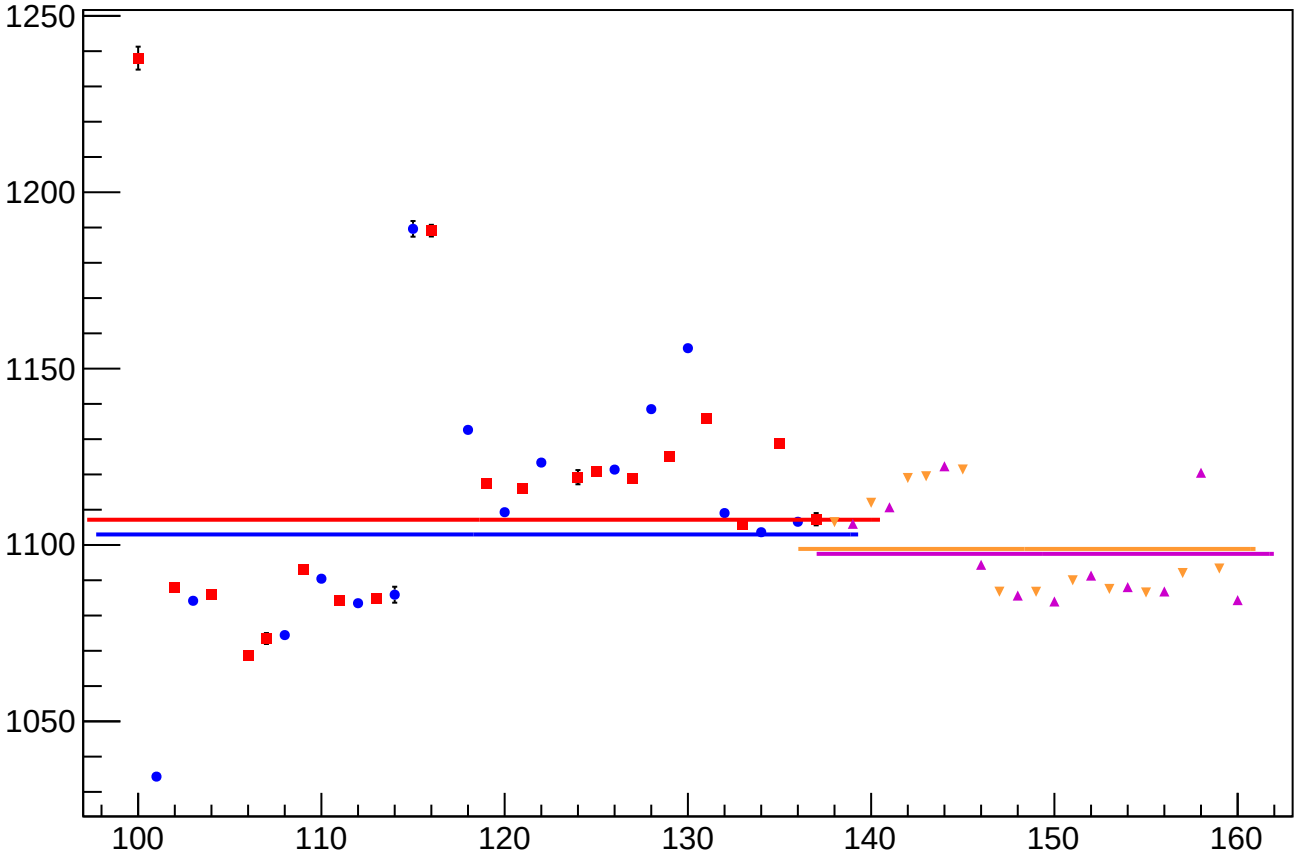
Left In: -2433.680+/-354.985 χ^2/NDF:15.5/10

+ sign 2376.454+/-268.602 χ^2/NDF: 20.2/27

All: 31.910+/-189.221 χ^2/NDF: 200.0/57

- sign -2277.959+/-266.608 χ^2/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: 1098.886+/-0.251 χ^2/NDF:2830.0/11

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

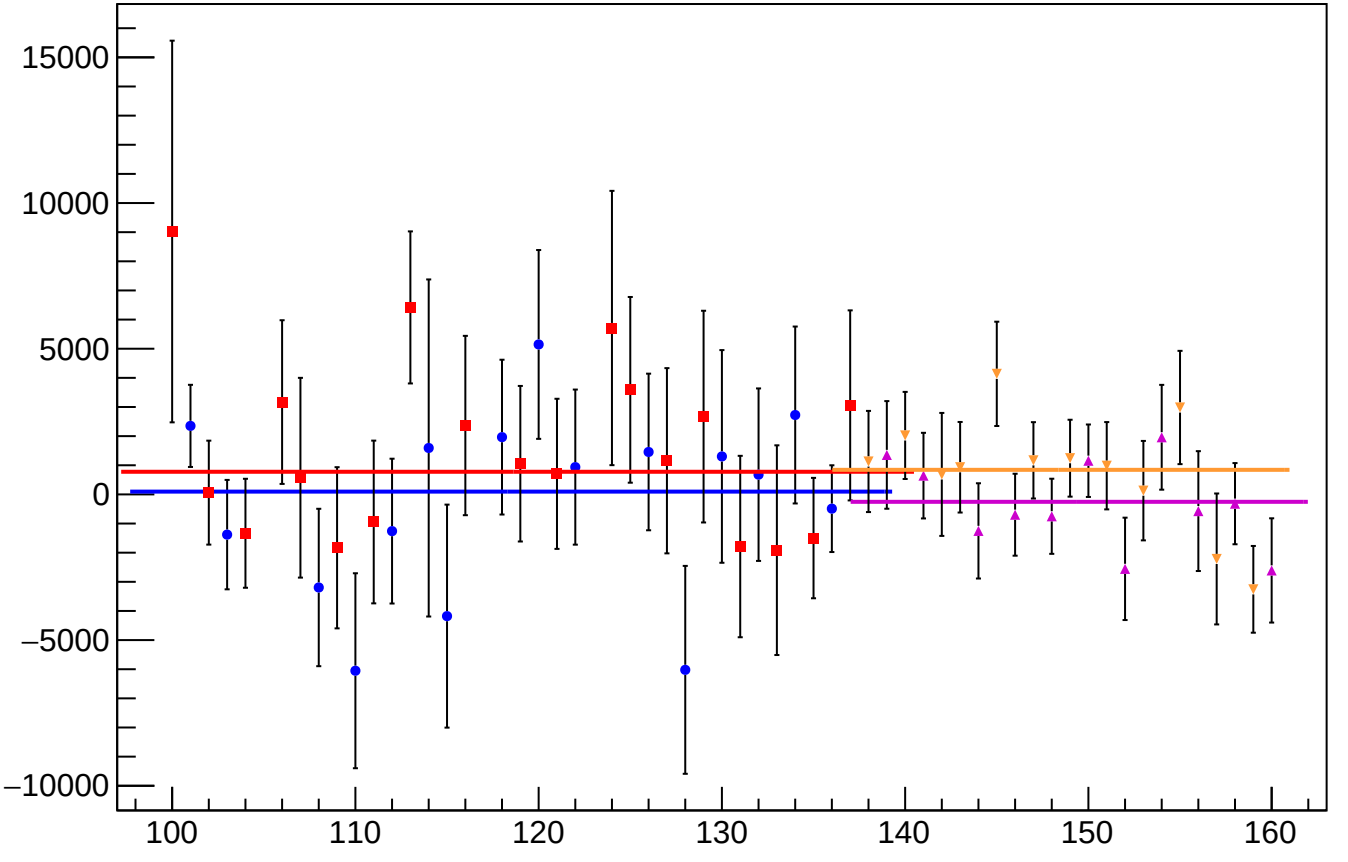
Left In: 1097.485+/-0.251 χ^2/NDF:3058.0/10

+ sign 1100.648+/-0.190 χ^2/NDF: 16168.1/27

All: 1101.179+/-0.134 χ^2/NDF: 28572.5/57

- 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: 843.293+/-466.760 χ^2/NDF:15.0/11

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

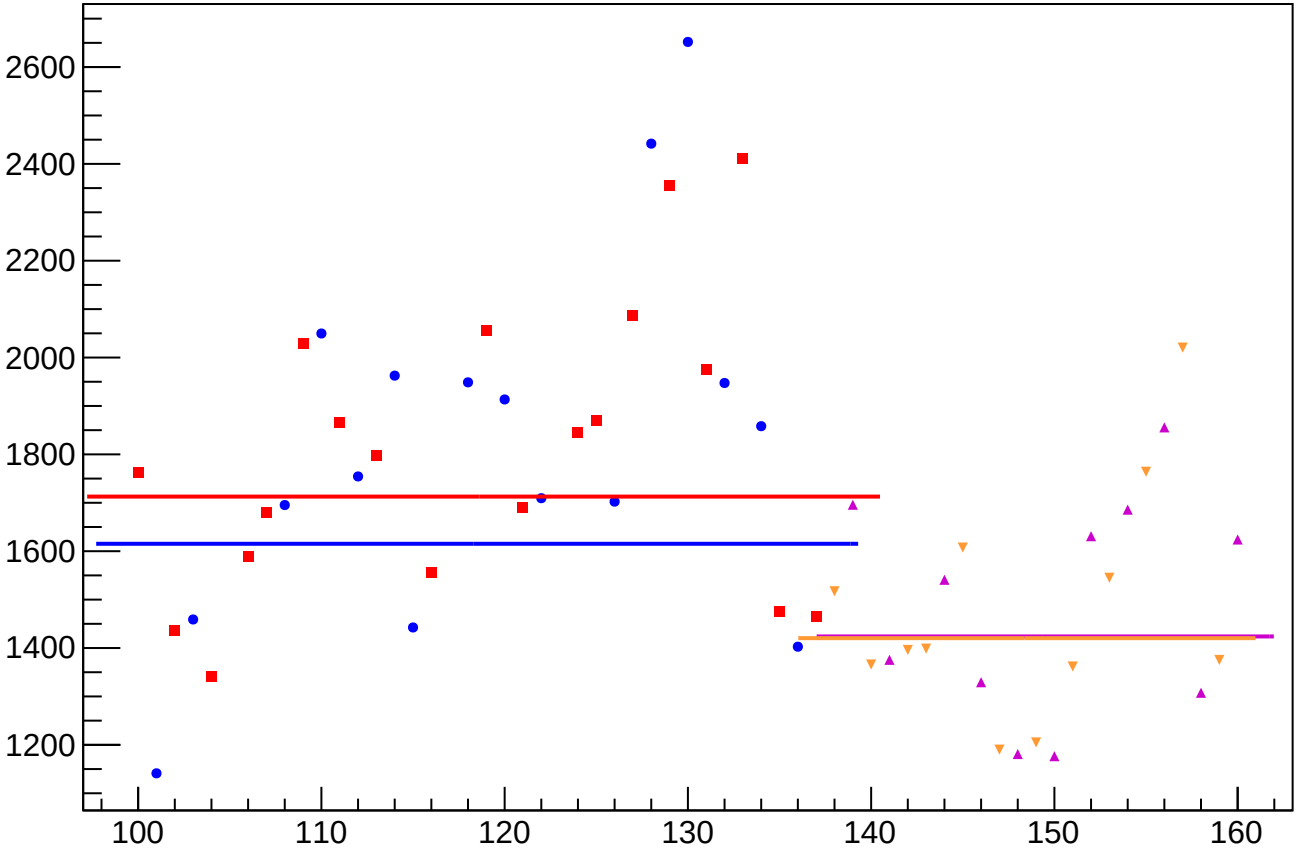
Left In: -254.508+/-467.171 χ^2/NDF:8.0/10

+ sign 571.886+/-372.483 χ^2/NDF: 32.9/27

All: 341.712+/-264.868 χ^2/NDF: 58.5/57

- 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: 1420.404+/-0.330 χ^2/NDF:367286.4/11

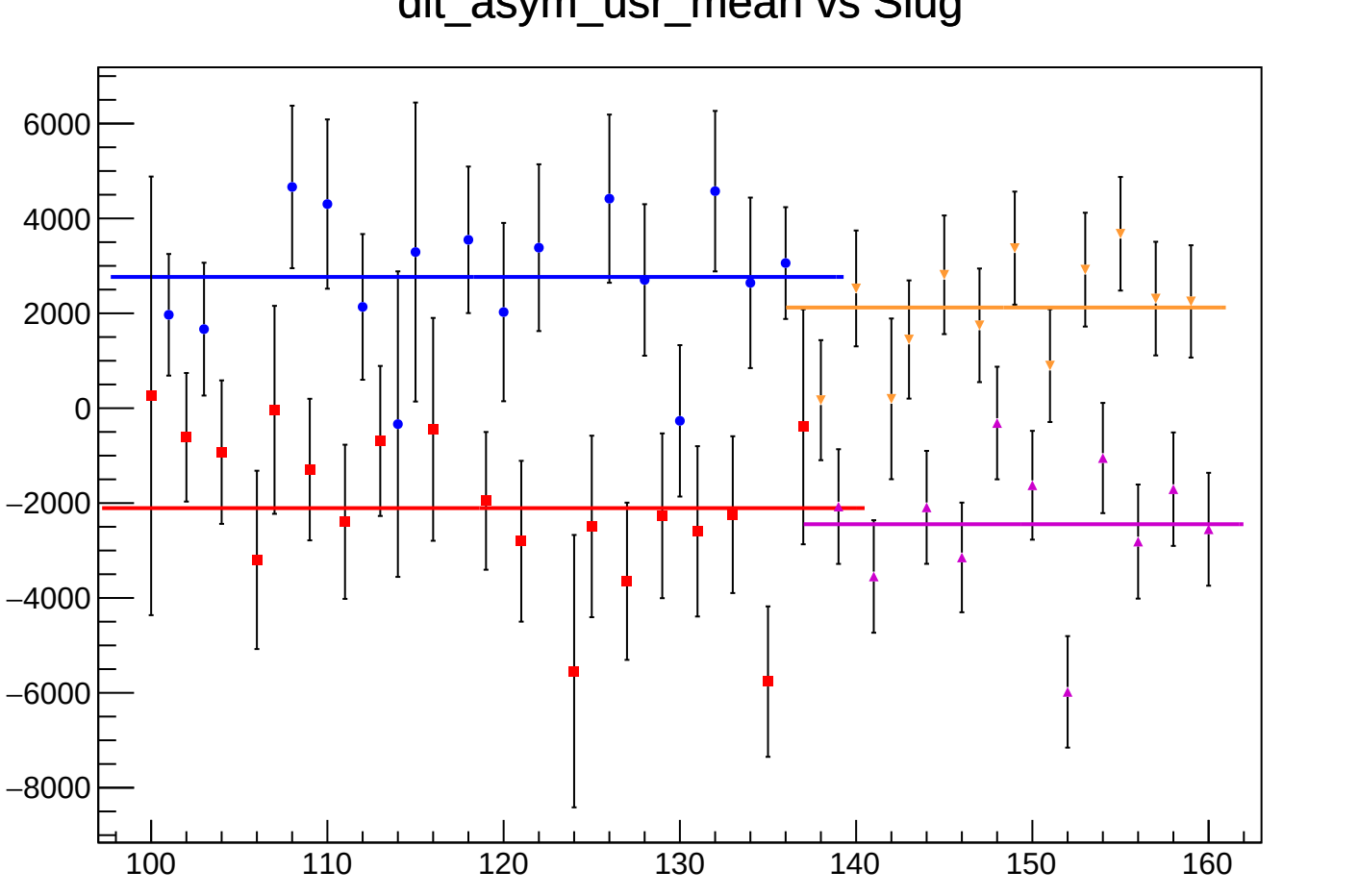
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1423.931+/-0.330 χ^2/NDF:412280.6/10

+ sign 1491.189+/-0.263 χ^2/NDF: 1187571.7/27

All: 1507.888+/-0.187 χ^2/NDF: 2303508.3/57

- sign 1524.969+/-0.266 χ^2/NDF: 1107804.9/29



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

Left Out: 2122.437+/-357.167 χ^2/NDF:8.8/11

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

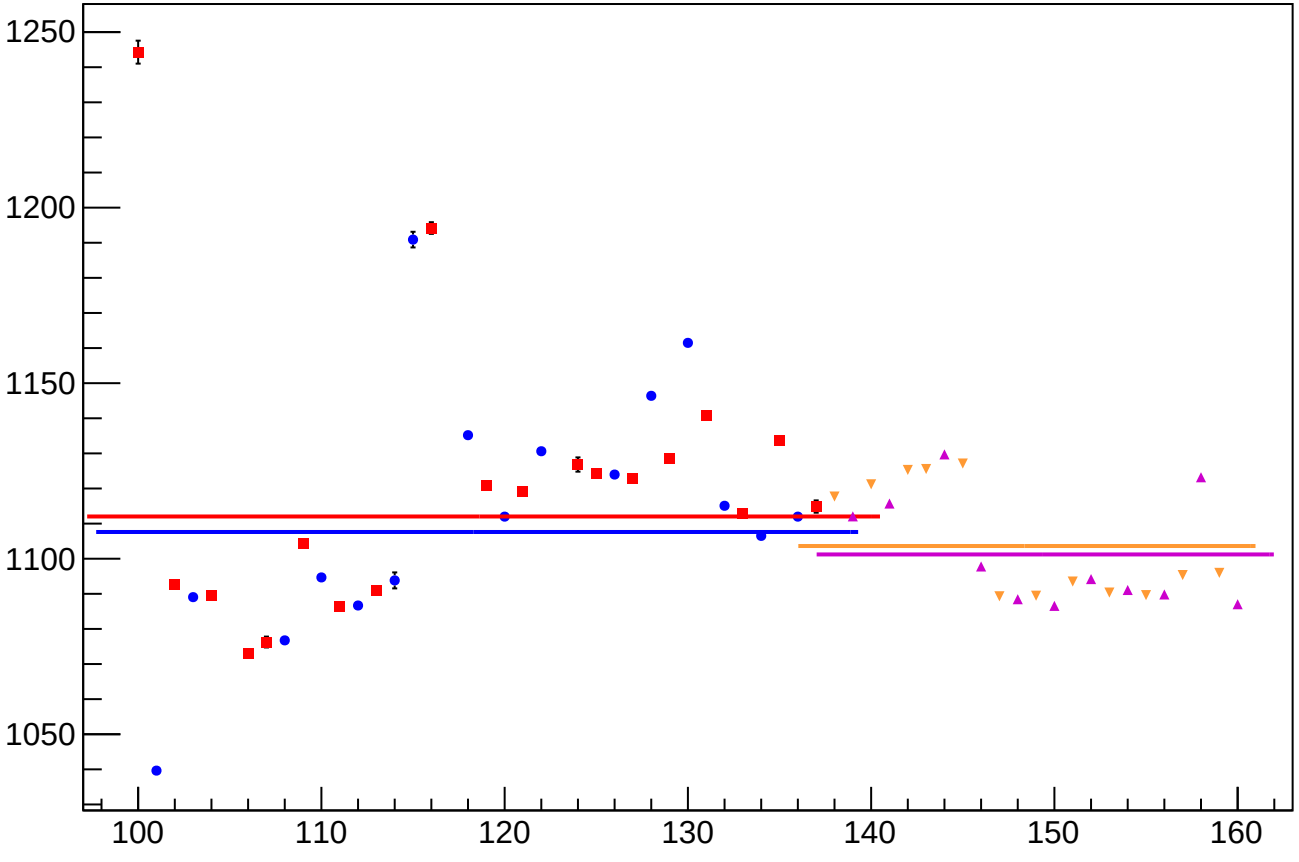
Left In: -2445.524+/-356.200 χ^2/NDF:16.1/10

+ sign 2399.188+/-269.752 χ^2/NDF: 20.5/27

All: 32.202+/-189.992 χ^2/NDF: 203.2/57

- sign -2297.837+/-267.638 χ^2/NDF: 29.9/29

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1103.616+/-0.253 χ^2/NDF:3724.6/11

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

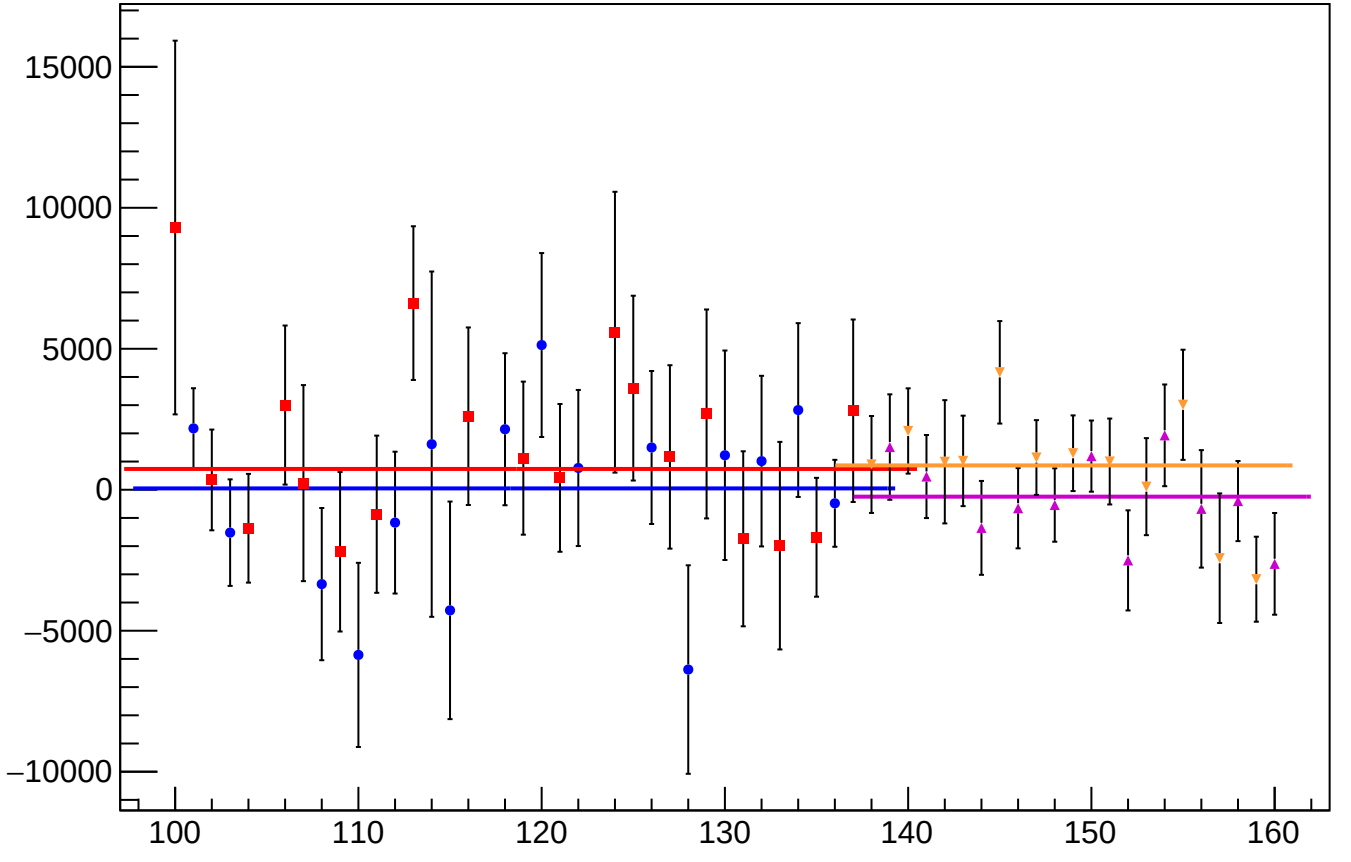
Left In: 1101.217+/-0.252 χ^2/NDF:3544.0/10

+ sign 1105.333+/-0.191 χ^2/NDF: 17053.1/27

All: 1105.632+/-0.134 χ^2/NDF: 30057.8/57

- 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: 863.388+/-473.483 χ^2/NDF:14.7/11

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

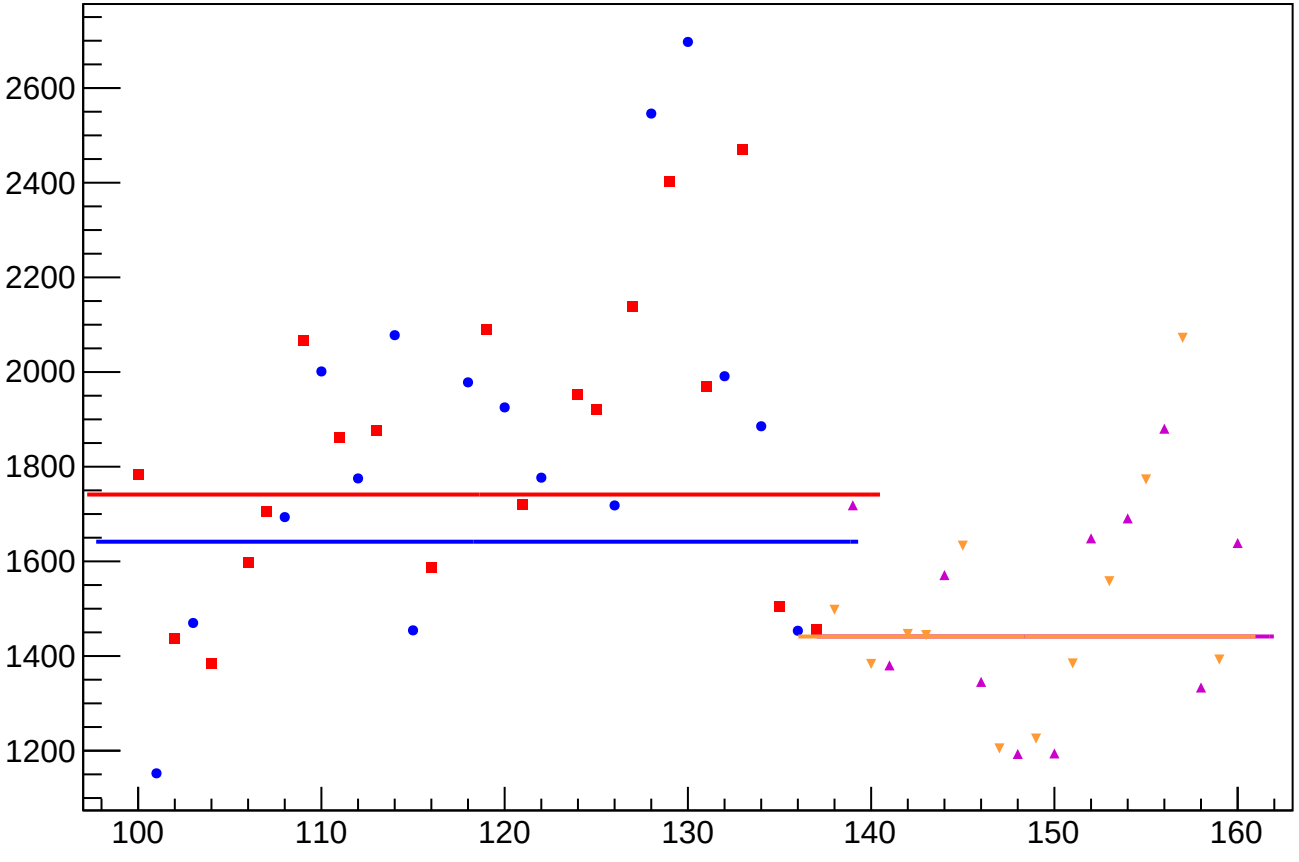
Left In: -245.007+/-472.629 χ^2/NDF:7.9/10

+ sign 567.840+/-378.081 χ^2/NDF: 32.7/27

All: 334.505+/-268.652 χ^2/NDF: 57.8/57

- 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: 1441.250+/-0.335 χ^2/NDF:365216.0/11

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

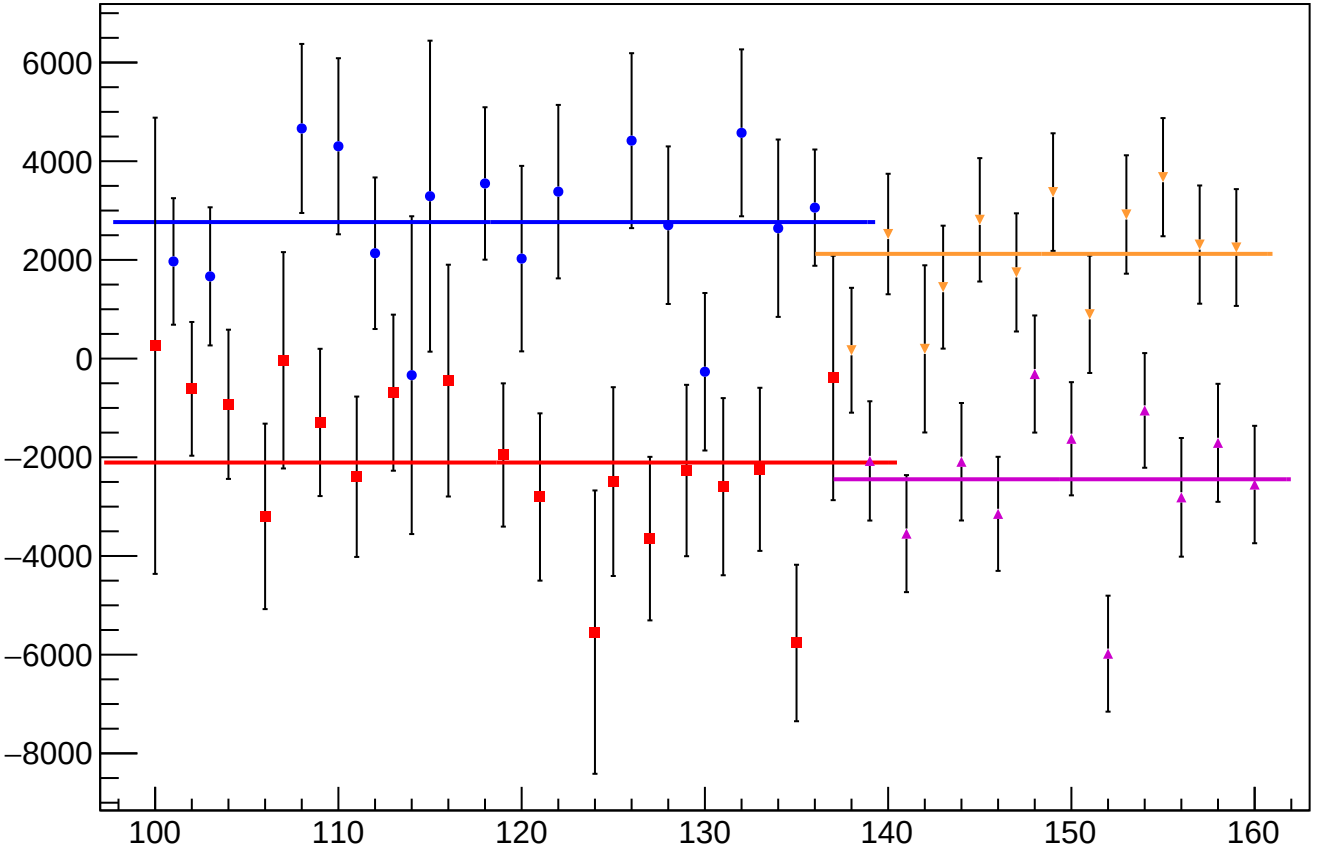
Left In: 1441.324+/-0.334 χ^2/NDF:407748.9/10

+ sign 1513.831+/-0.267 χ^2/NDF: 1196214.1/27

All: 1529.509+/-0.190 χ^2/NDF: 2328945.3/57

- 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: 2122.435+/-357.167 χ^2/NDF:8.8/11

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

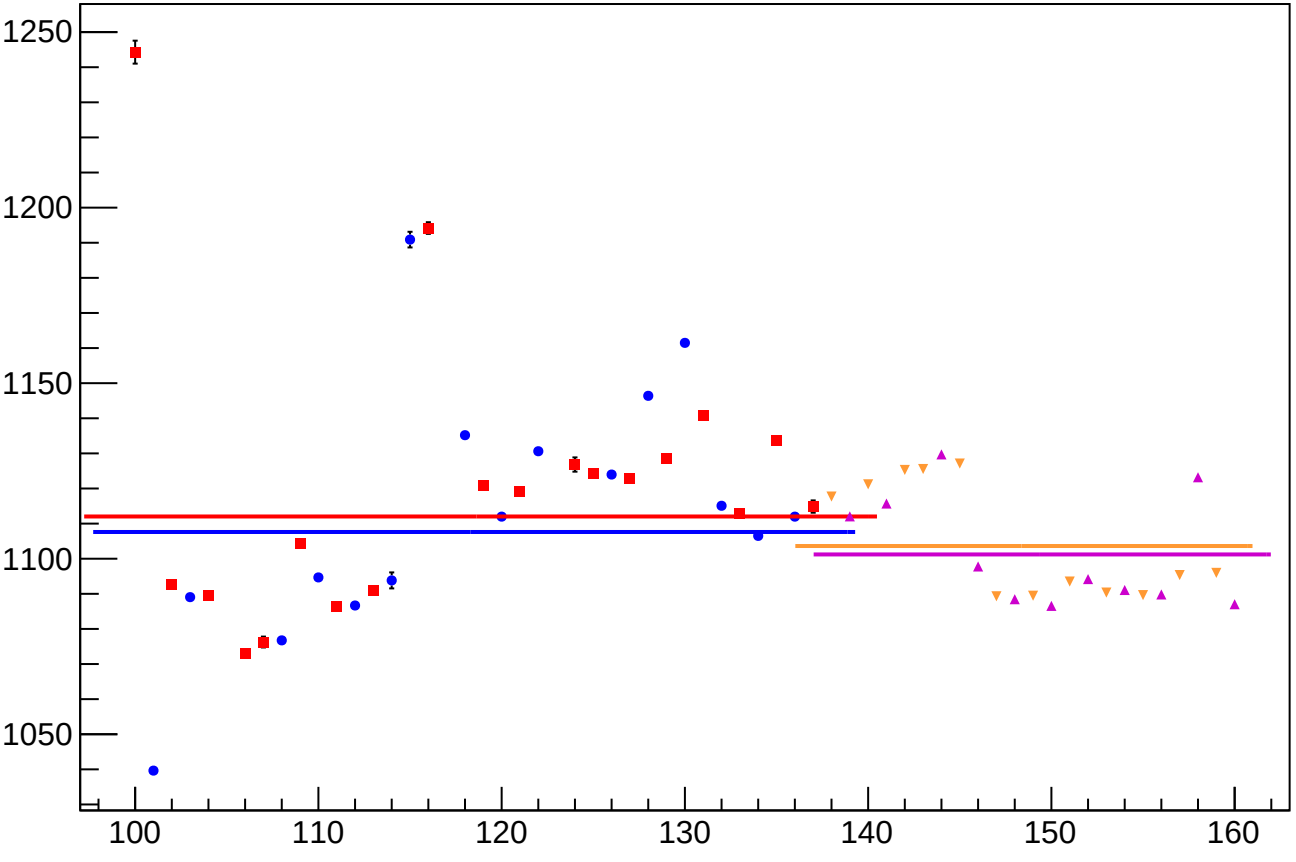
Left In: -2445.525+/-356.200 χ^2/NDF:16.1/10

+ sign 2399.187+/-269.752 χ^2/NDF: 20.5/27

All: 32.200+/-189.992 χ^2/NDF: 203.2/57

- 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: 1103.616+/-0.253 χ^2/NDF:3724.6/11

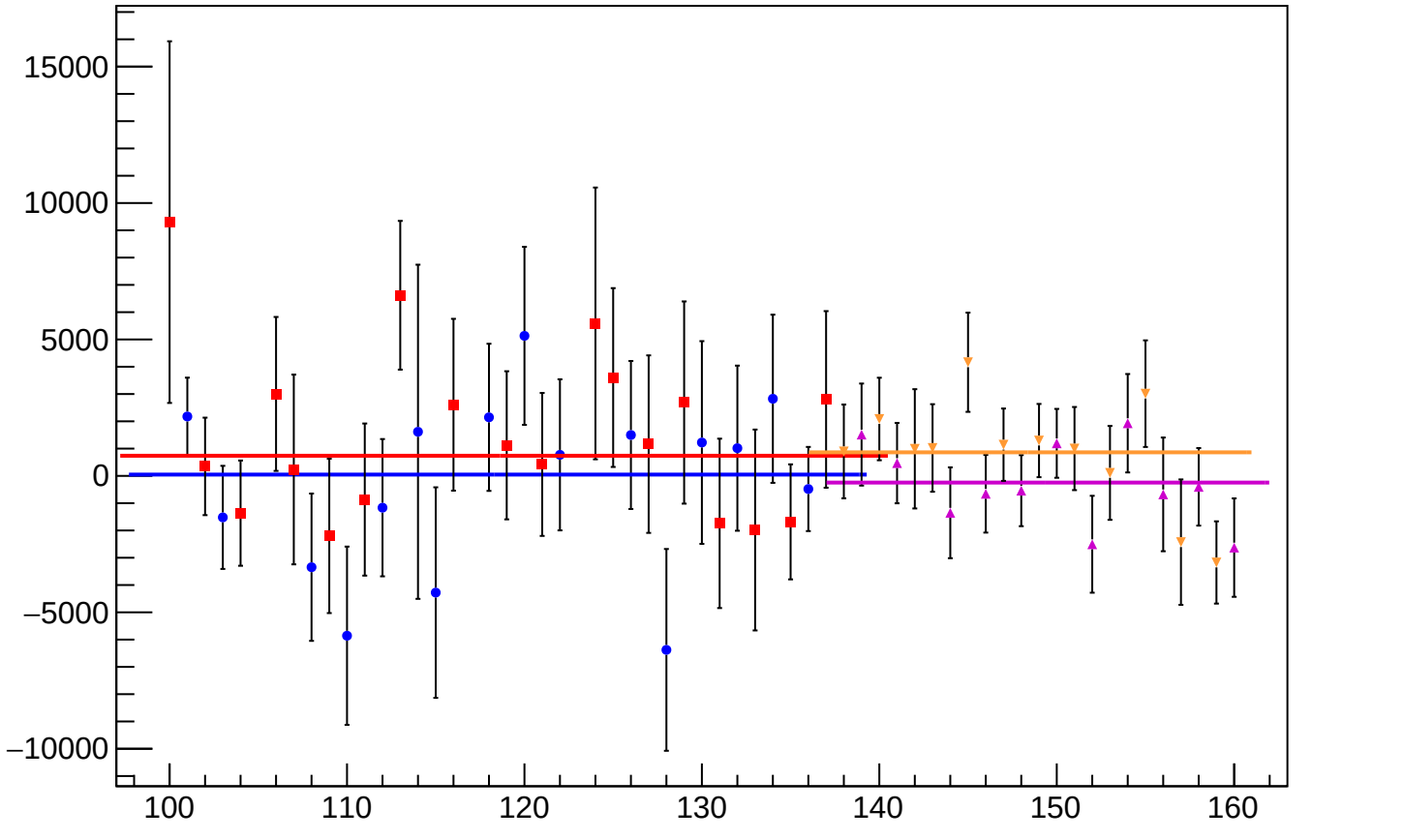
Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1101.217+/-0.252 χ^2/NDF:3544.0/10

+ sign 1105.333+/-0.191 χ^2/NDF: 17052.9/27

All: 1105.631+/-0.134 χ^2/NDF: 30057.6/57

- sign 1105.925+/-0.189 χ^2/NDF: 12999.9/29



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

Left Out: 863.387+/-473.484 χ^2/NDF:14.7/11

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

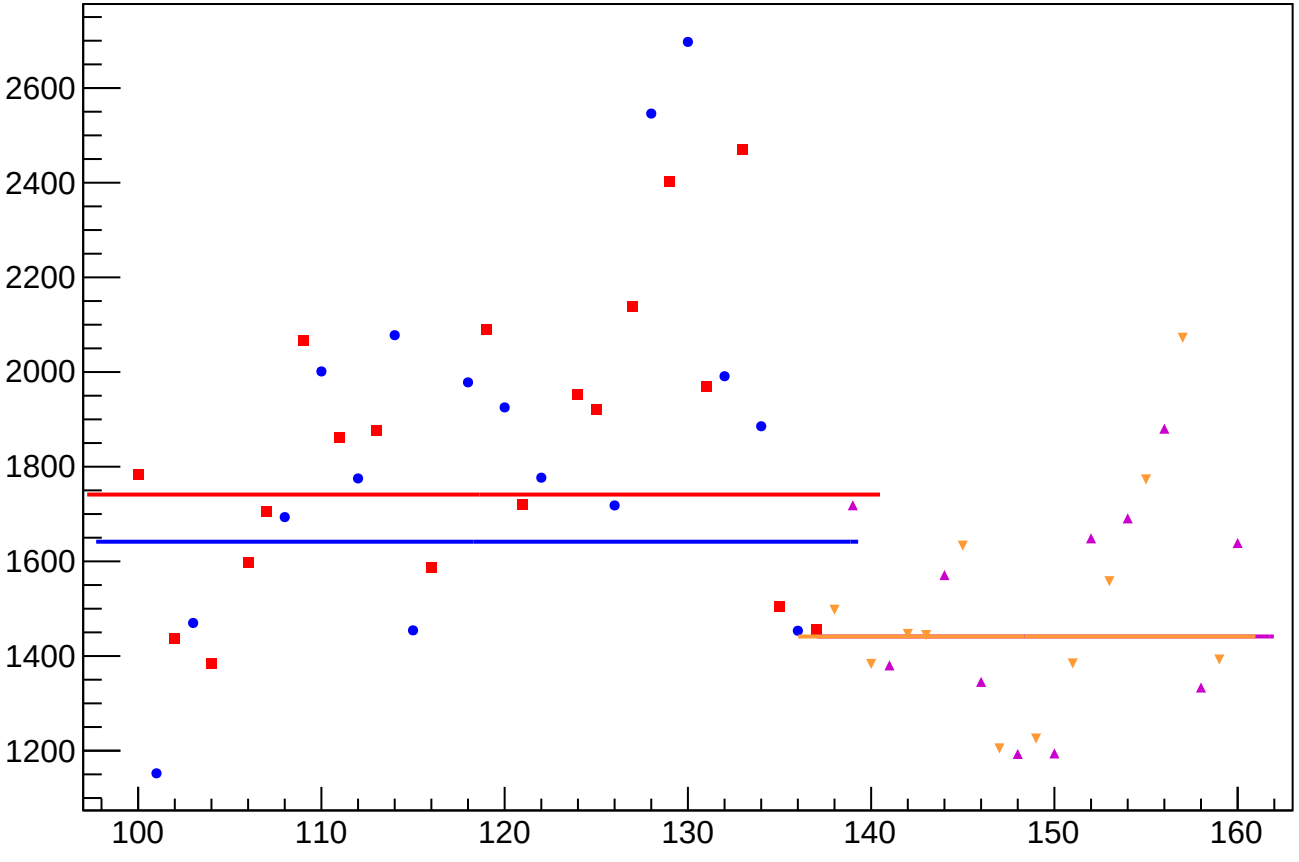
Left In: -245.008+/-472.630 χ^2/NDF:7.9/10

\+ sign 567.836+/-378.081 χ^2/NDF: 32.7/27

All: 334.504+/-268.652 χ^2/NDF: 57.8/57

\- 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: 1441.254+/-0.335 χ^2/NDF:365220.4/11

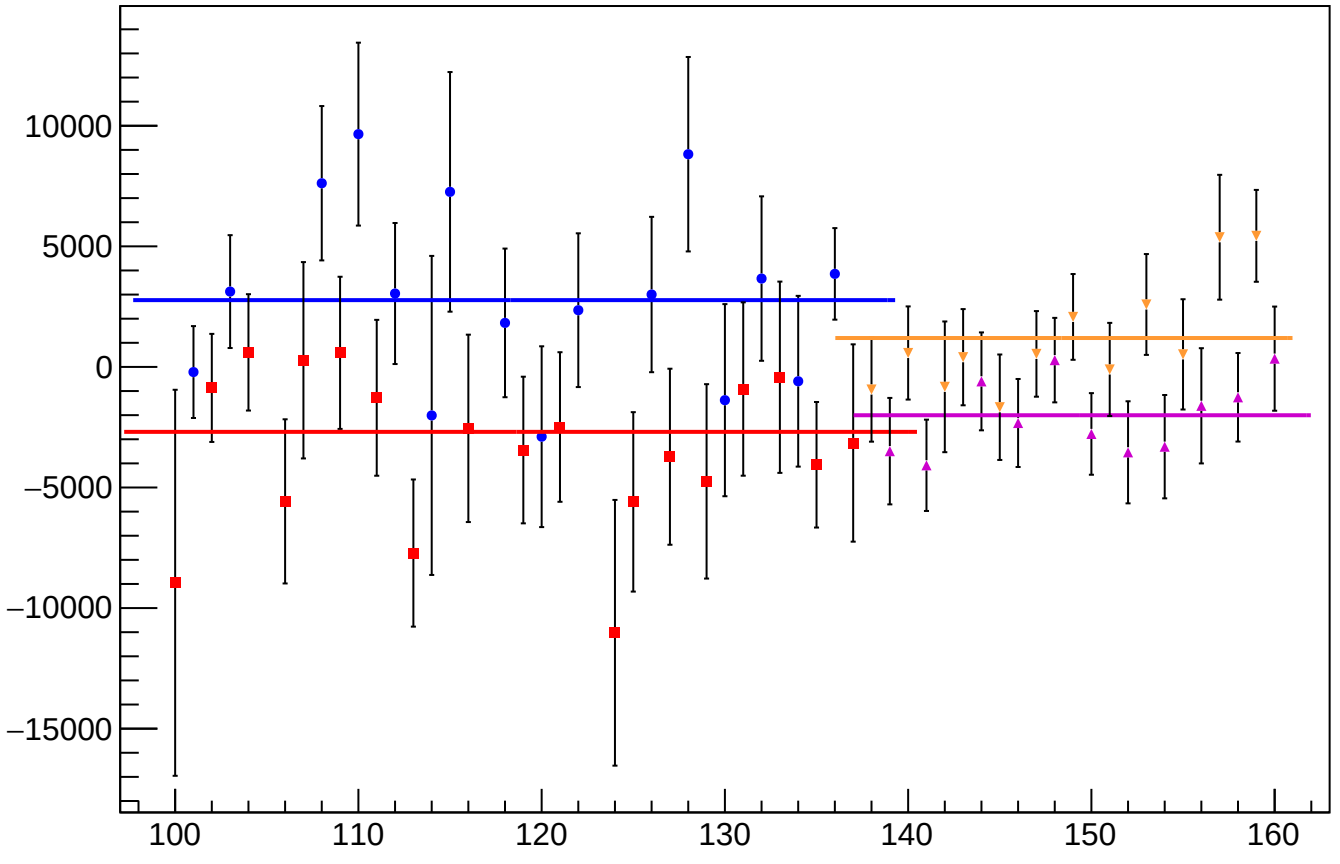
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1441.327+/-0.334 χ^2/NDF:407754.1/10

+ sign 1513.833+/-0.267 χ^2/NDF: 1196199.3/27

All: 1529.511+/-0.190 χ^2/NDF: 2328914.7/57

- 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: 1198.688+/-594.966 χ^2/NDF:12.4/11

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

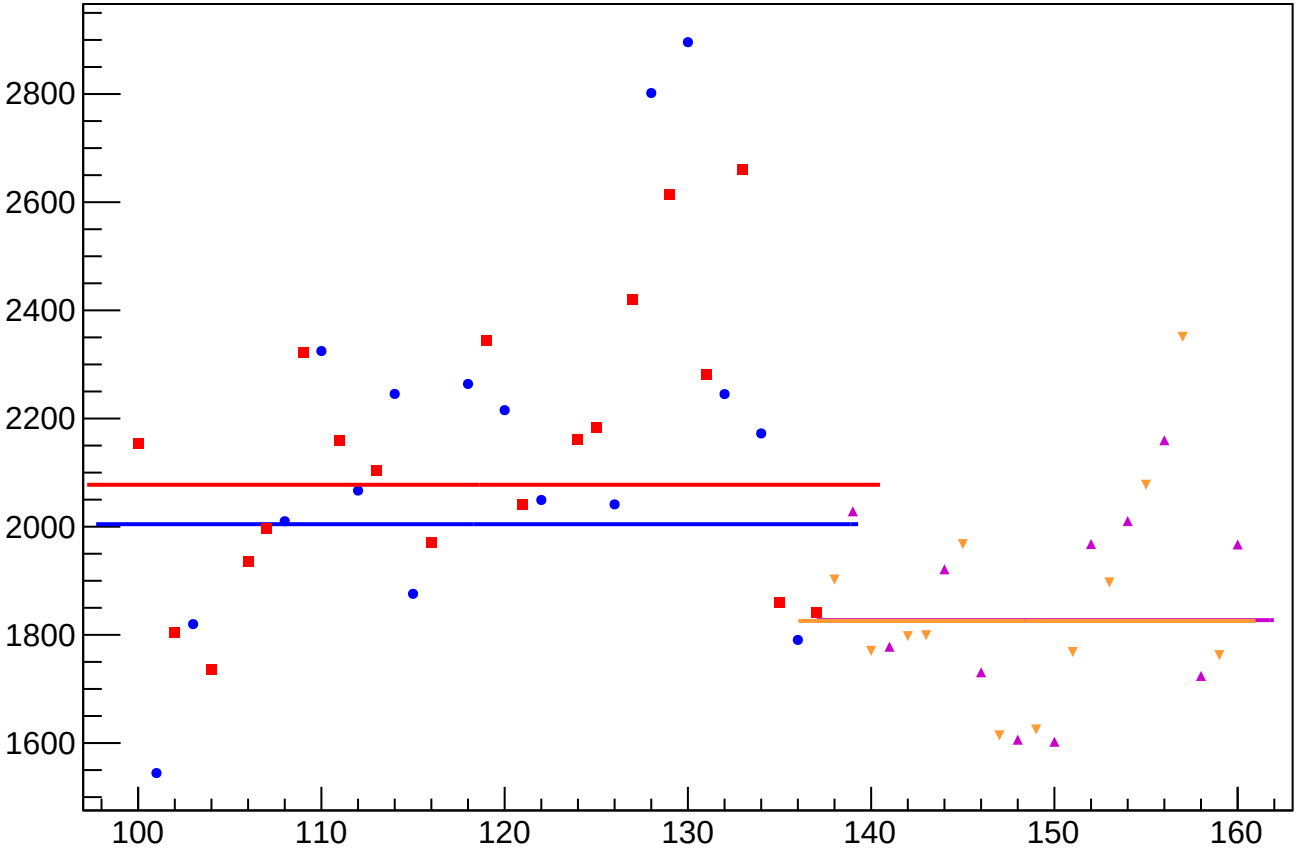
Left In: -2003.798+/-594.502 χ^2/NDF:6.3/10

+ sign 1798.563+/-467.805 χ^2/NDF: 31.5/27

All: -224.390+/-331.418 χ^2/NDF: 88.5/57

- 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: 1825.775+/-0.421 χ^2/NDF:179952.1/11

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

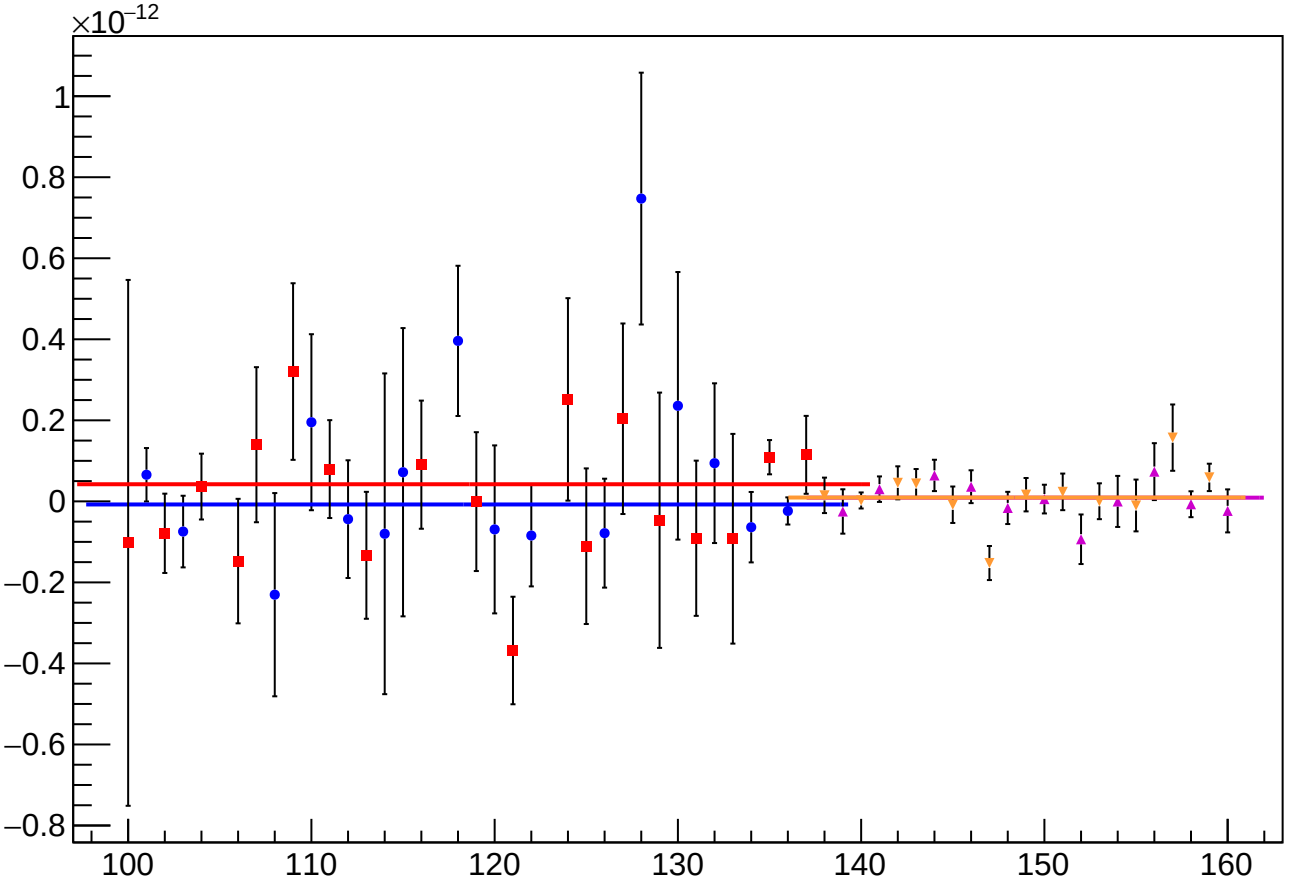
Left In: 1827.224+/-0.420 χ^2/NDF:171896.4/10

+ sign 1894.060+/-0.331 χ^2/NDF: 636524.8/27

All: 1907.650+/-0.234 χ^2/NDF: 1175591.9/57

- sign 1921.345+/-0.332 χ^2/NDF: 535678.3/29

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

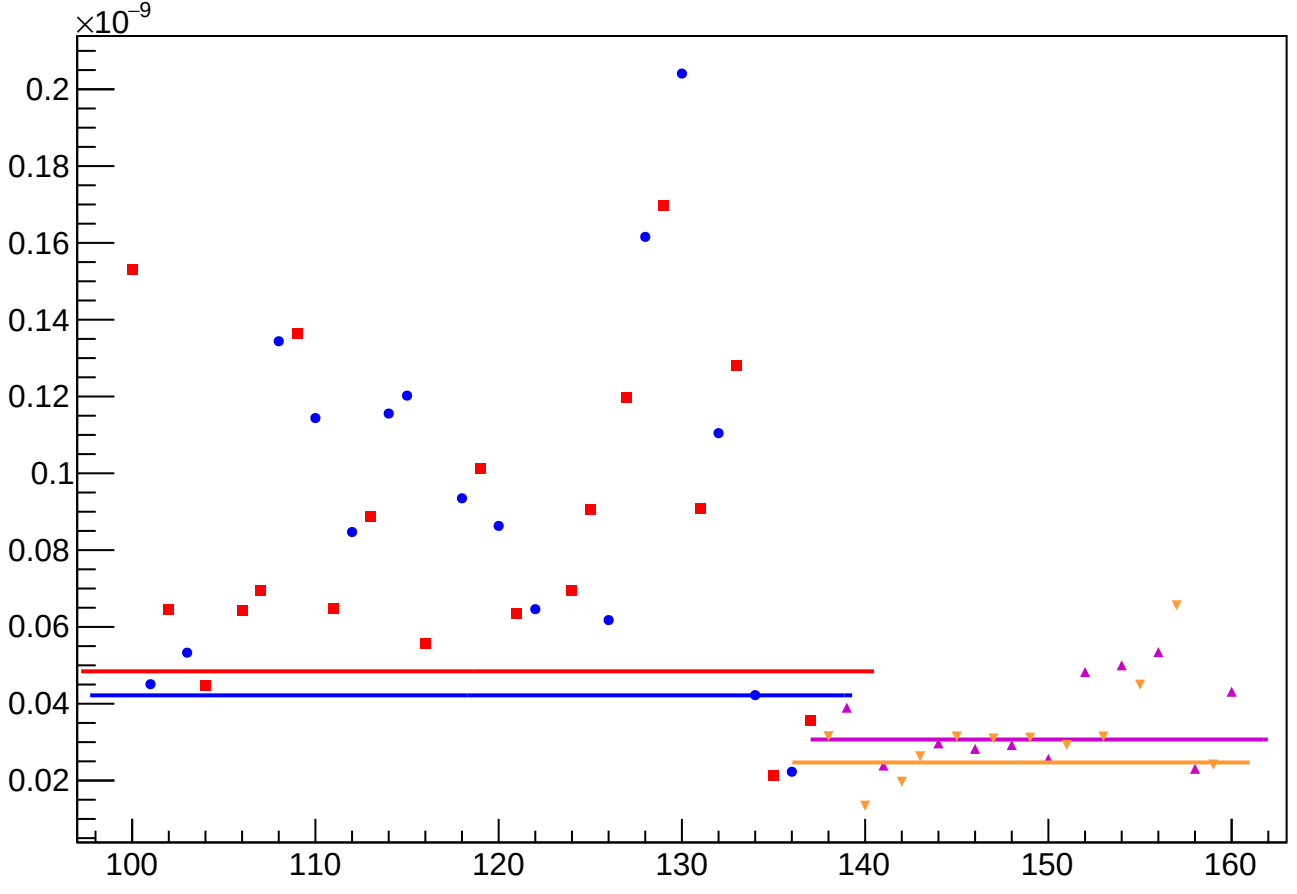
Left In: 0.000+/-0.000 χ^2/NDF:8.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 39.4/27

All: 0.000+/-0.000 χ^2/NDF: 70.7/57

- sign 0.000+/-0.000 χ^2/NDF: 31.0/29

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1636838.6/11

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

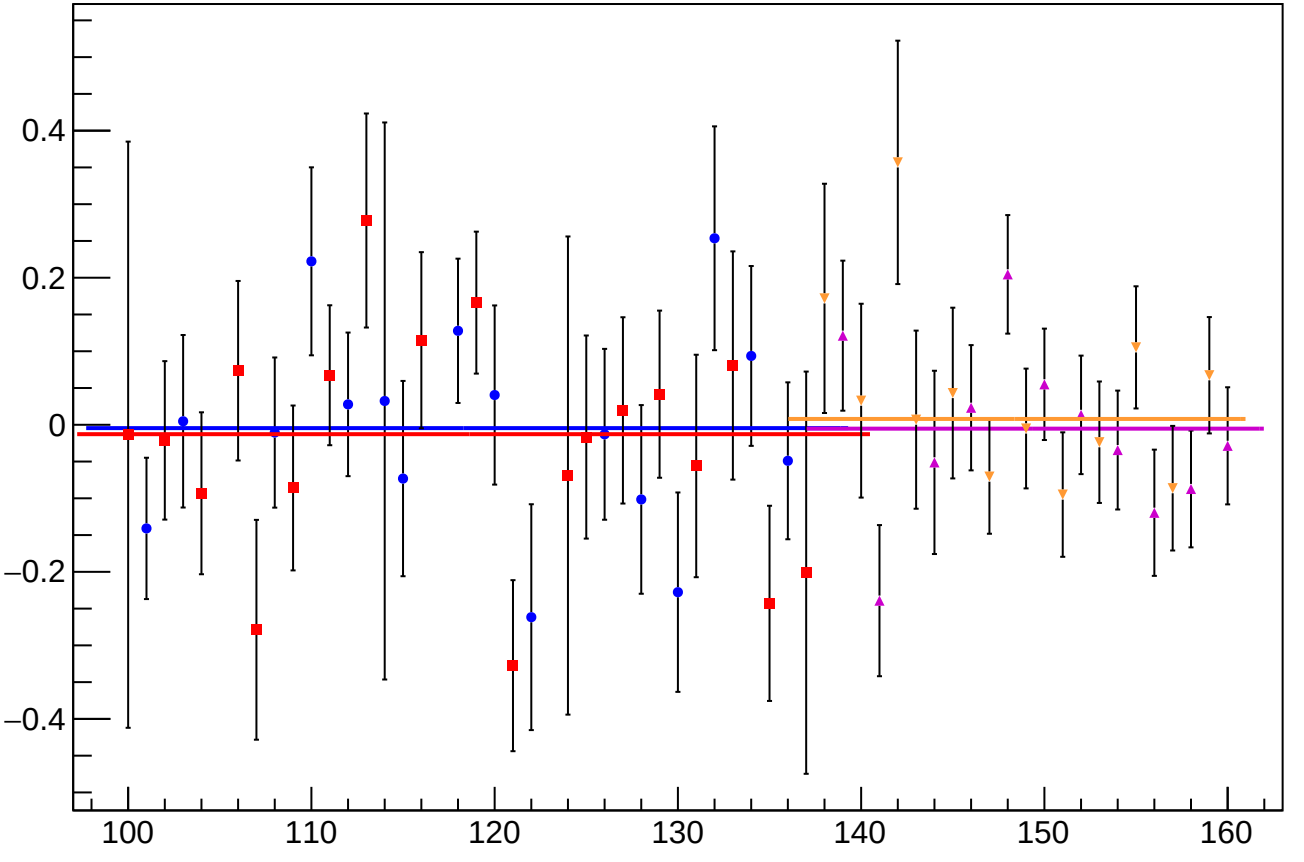
Left In: 0.000+/-0.000 χ^2/NDF:976815.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 5431607.3/27

All: 0.000+/-0.000 χ^2/NDF: 10057637.0/57

- sign 0.000+/-0.000 χ^2/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: 0.008+/-0.027 χ^2/NDF:11.5/11

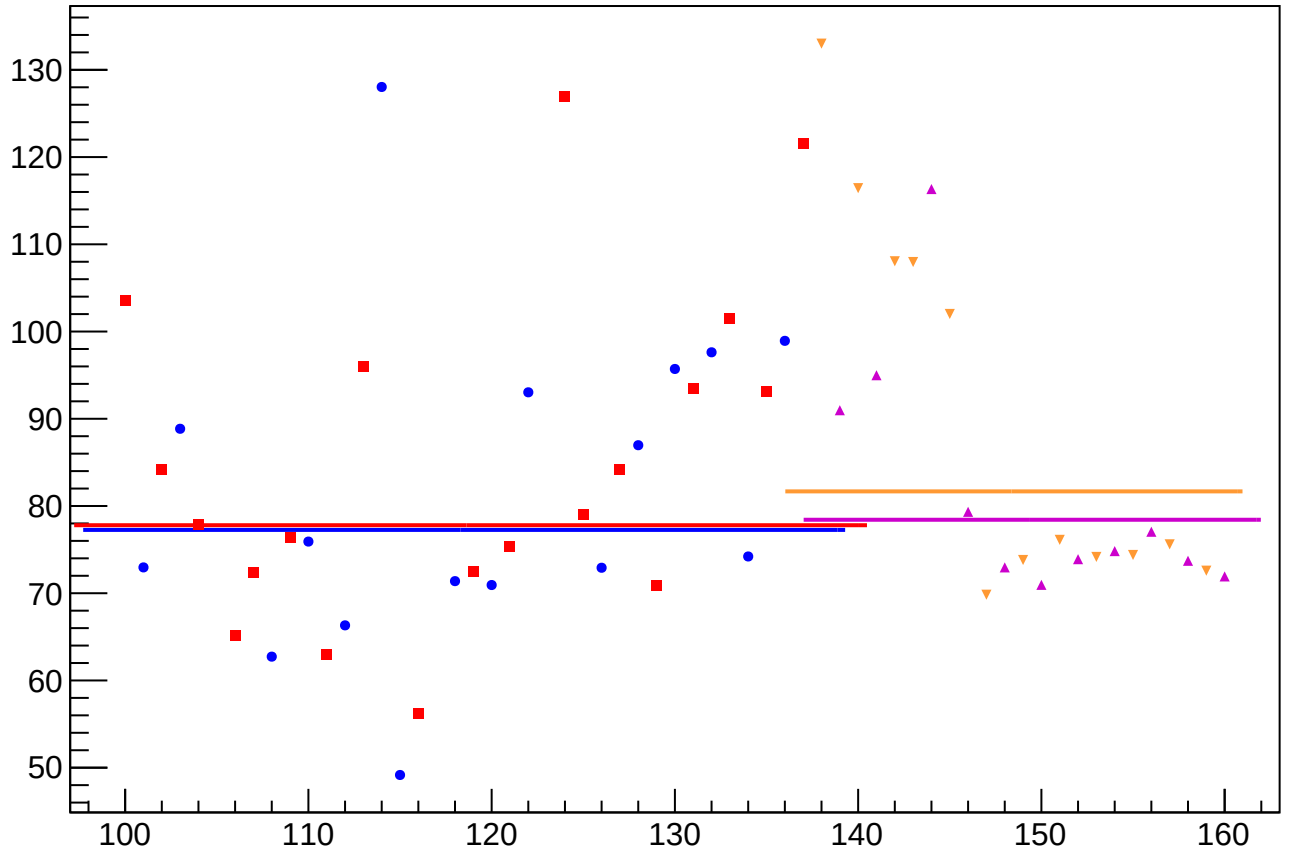
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.005+/-0.026 χ^2/NDF:17.5/10

+ sign 0.002+/-0.020 χ^2/NDF: 28.9/27

All: -0.003+/-0.014 χ^2/NDF: 72.1/57

- 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: 81.675+/-0.019 χ^2/NDF:704714.6/11

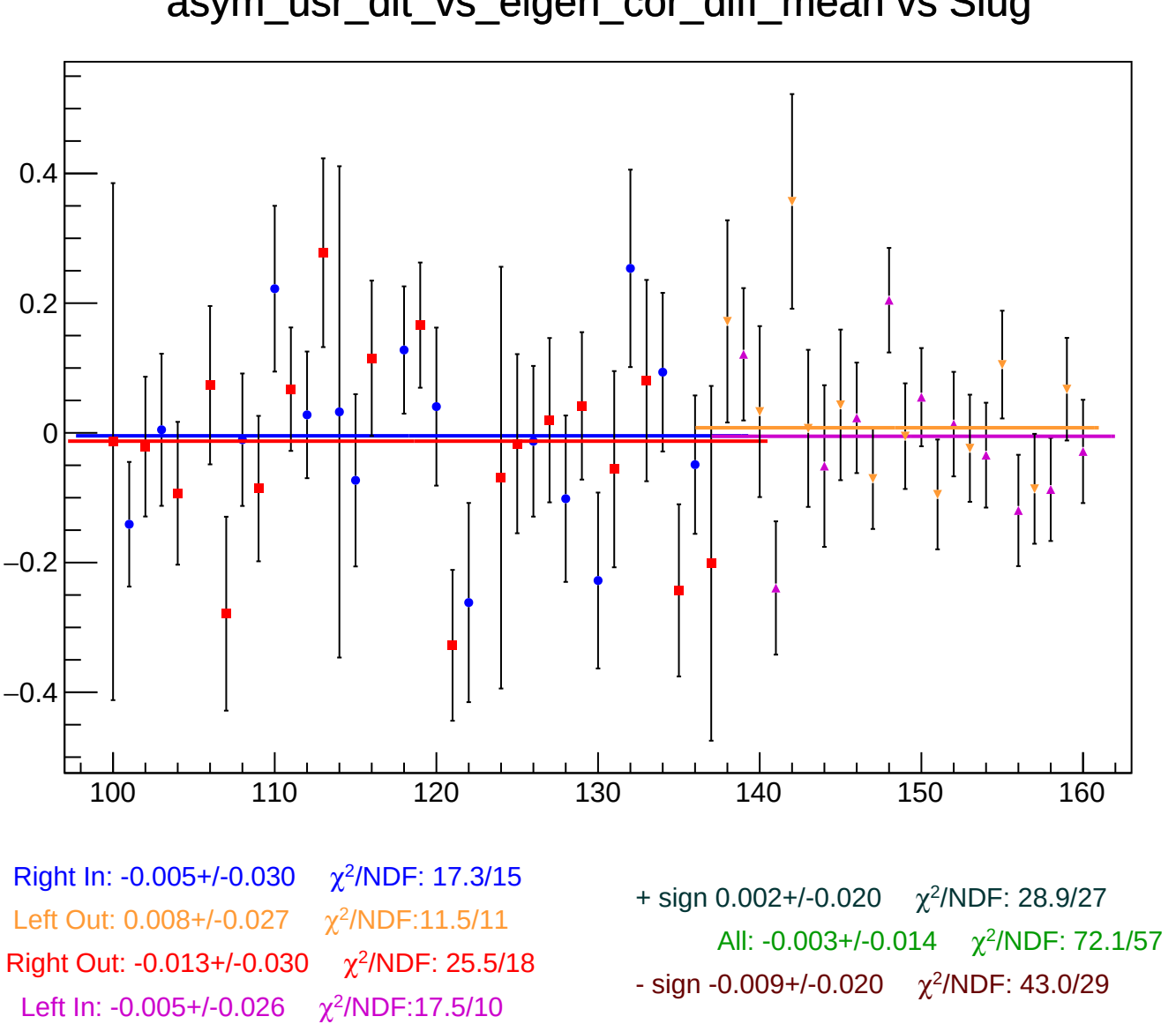
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 78.423+/-0.018 χ^2/NDF:327246.0/10

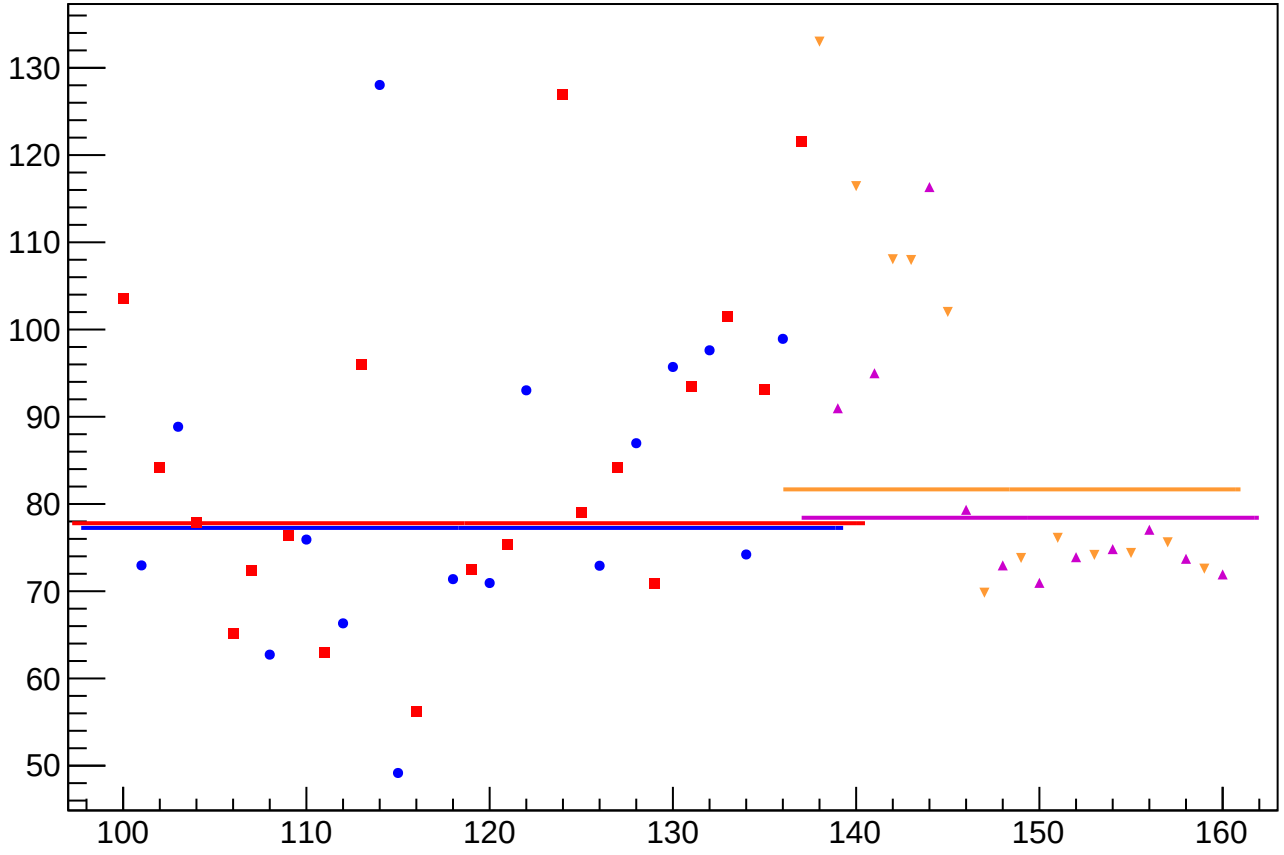
\+ sign 79.664+/-0.014 χ^2/NDF: 1147530.8/27

All: 78.880+/-0.010 χ^2/NDF: 1877519.8/57

\- sign 78.151+/-0.014 χ^2/NDF: 724226.5/29


asym_usr_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: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: 0.008+/-0.027 χ²/NDF:11.5/11
Right Out: -0.013+/-0.030 χ²/NDF: 25.5/18
Left In: -0.005+/-0.026 χ²/NDF:17.5/10
+ sign 0.002+/-0.020 χ²/NDF: 28.9/27
All: -0.003+/-0.014 χ²/NDF: 72.1/57
- sign -0.009+/-0.020 χ²/NDF: 43.0/29

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 81.675+/-0.019 χ^2/NDF:704714.6/11

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

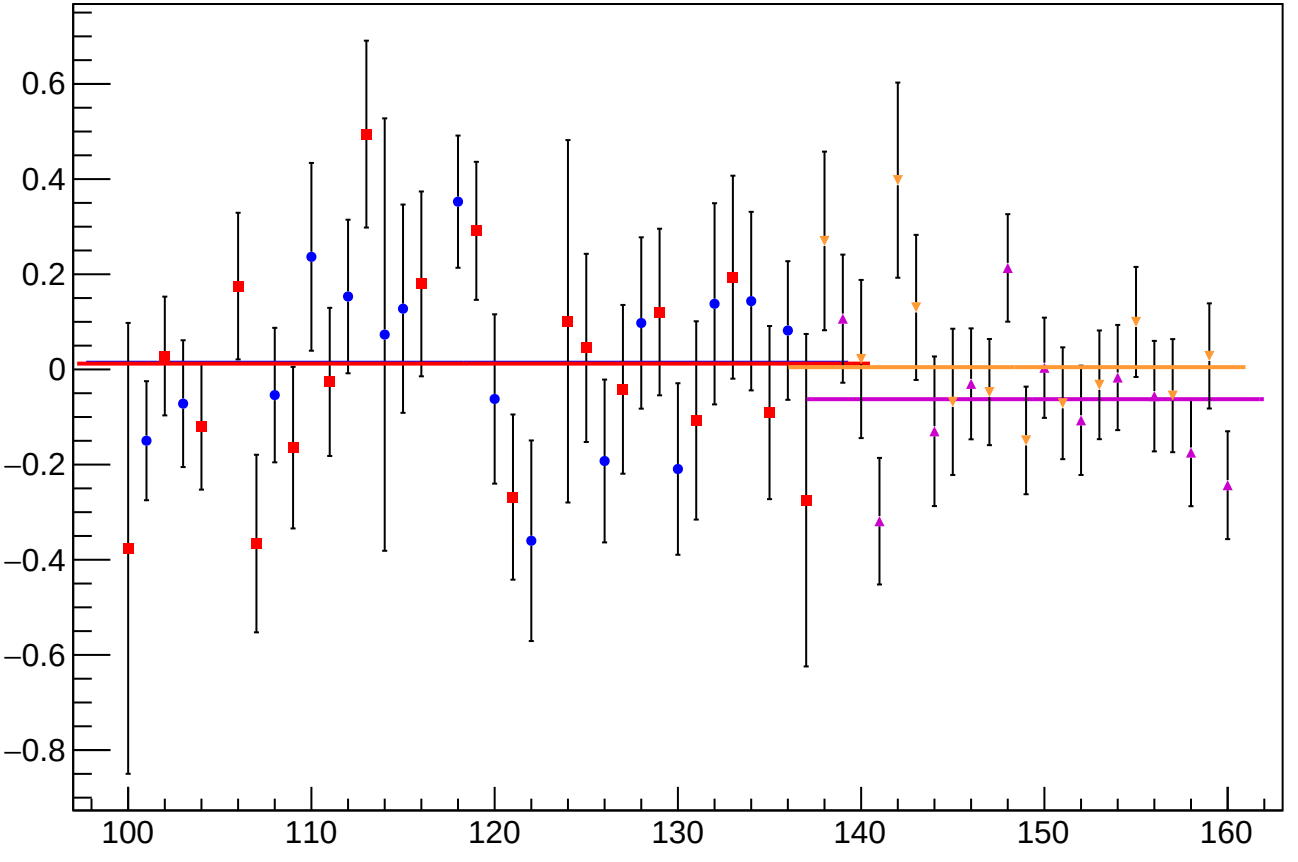
Left In: 78.423+/-0.018 χ^2/NDF:327246.0/10

\+ sign 79.664+/-0.014 χ^2/NDF: 1147530.8/27

All: 78.880+/-0.010 χ^2/NDF: 1877519.8/57

\- 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: 0.005+/-0.038 χ^2/NDF:10.2/11

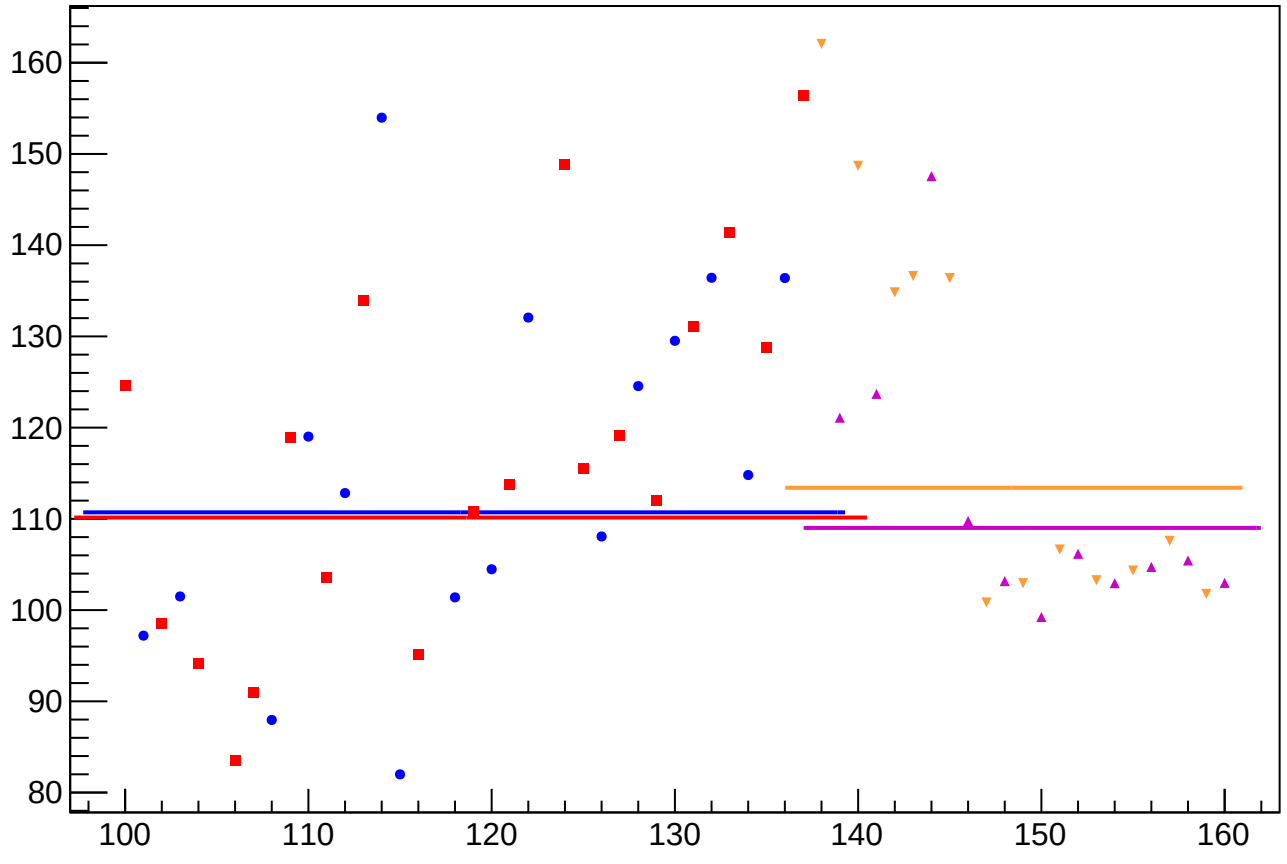
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.063+/-0.036 χ^2/NDF:15.8/10

+ sign 0.009+/-0.028 χ^2/NDF: 28.4/27

All: -0.012+/-0.019 χ^2/NDF: 70.8/57

- sign -0.031+/-0.027 χ^2/NDF: 41.4/29



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.411+/-0.027 χ^2/NDF:441606.5/11

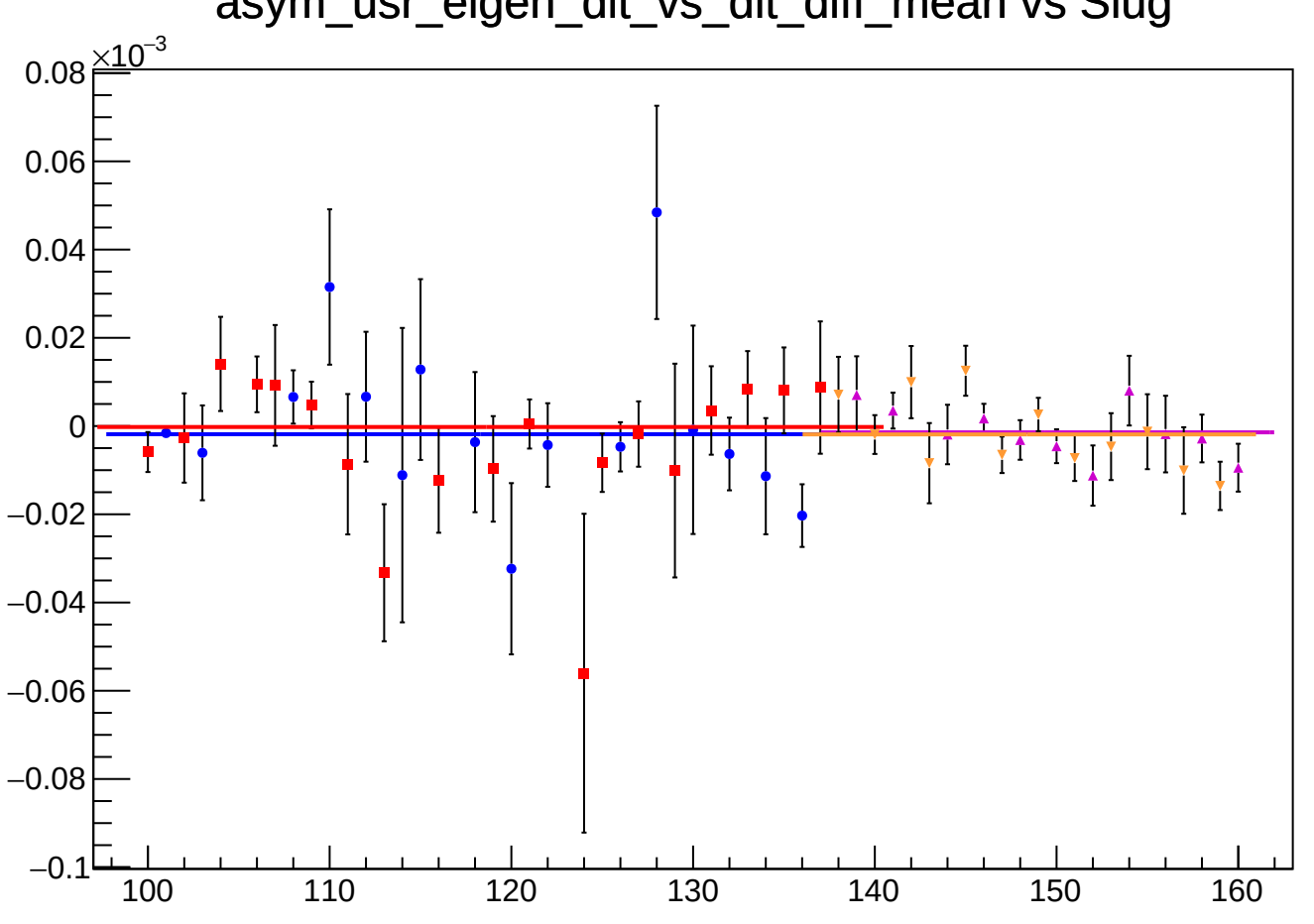
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 109.007+/-0.025 χ^2/NDF:201018.4/10

+ sign 112.221+/-0.020 χ^2/NDF: 746126.2/27

All: 110.806+/-0.014 χ^2/NDF: 1284527.9/57

- 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:19.3/11

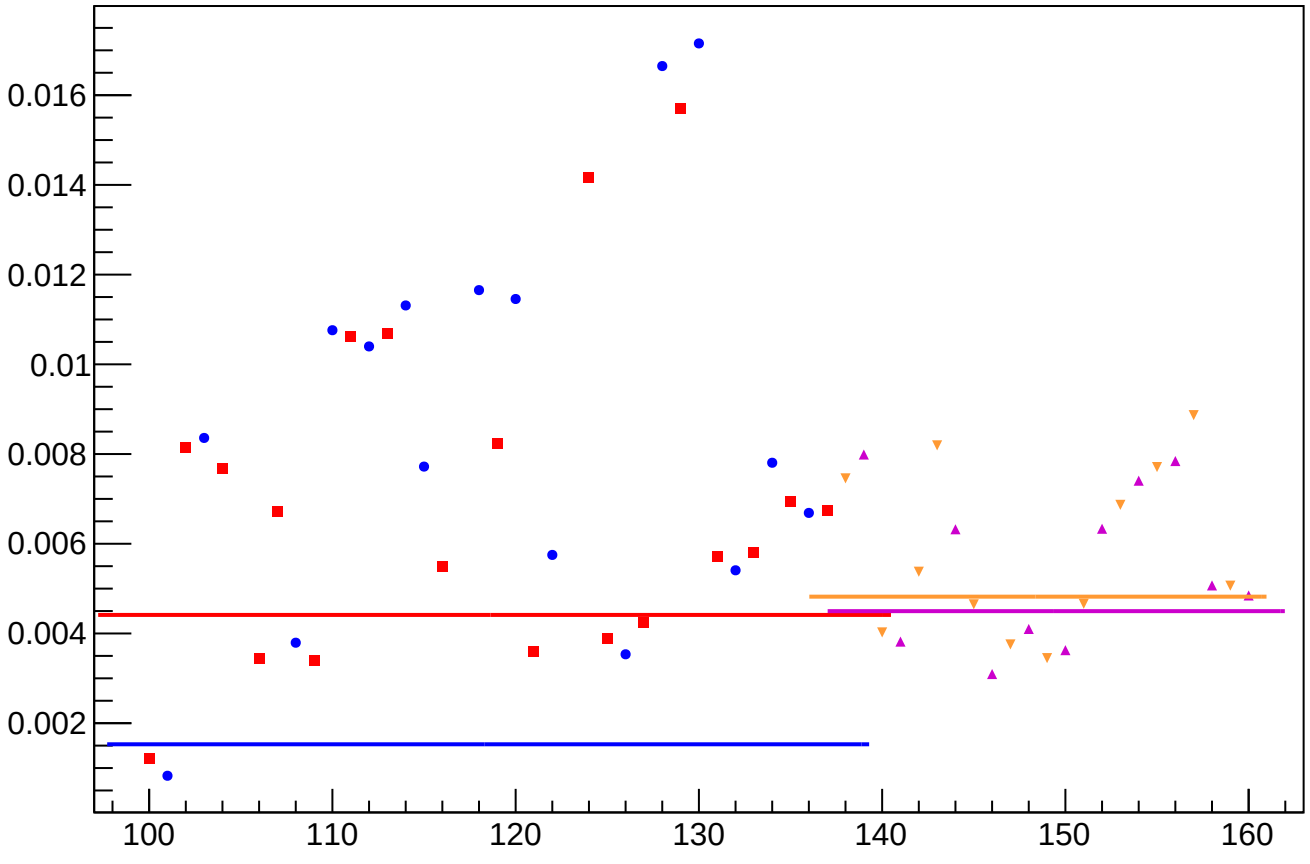
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 40.7/27

All: -0.000+/-0.000 χ^2/NDF: 71.1/57

- sign -0.000+/-0.000 χ^2/NDF: 30.0/29



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1660698.7/11

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

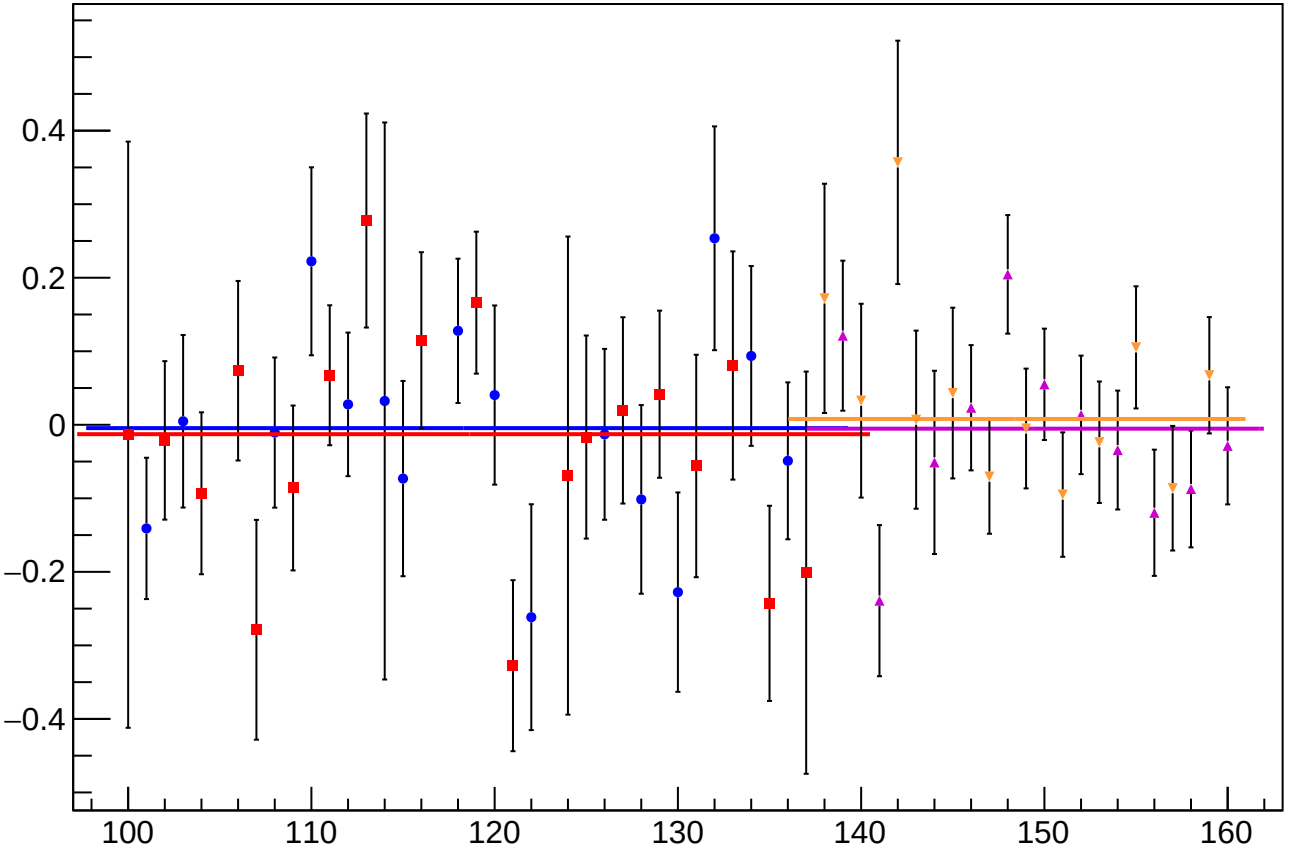
Left In: 0.004+/-0.000 χ^2/NDF:1740175.9/10

+ sign 0.002+/-0.000 χ^2/NDF: 16752194.7/27

All: 0.003+/-0.000 χ^2/NDF: 25957375.0/57

- sign 0.004+/-0.000 χ^2/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: 0.008+/-0.027 χ^2/NDF:11.5/11

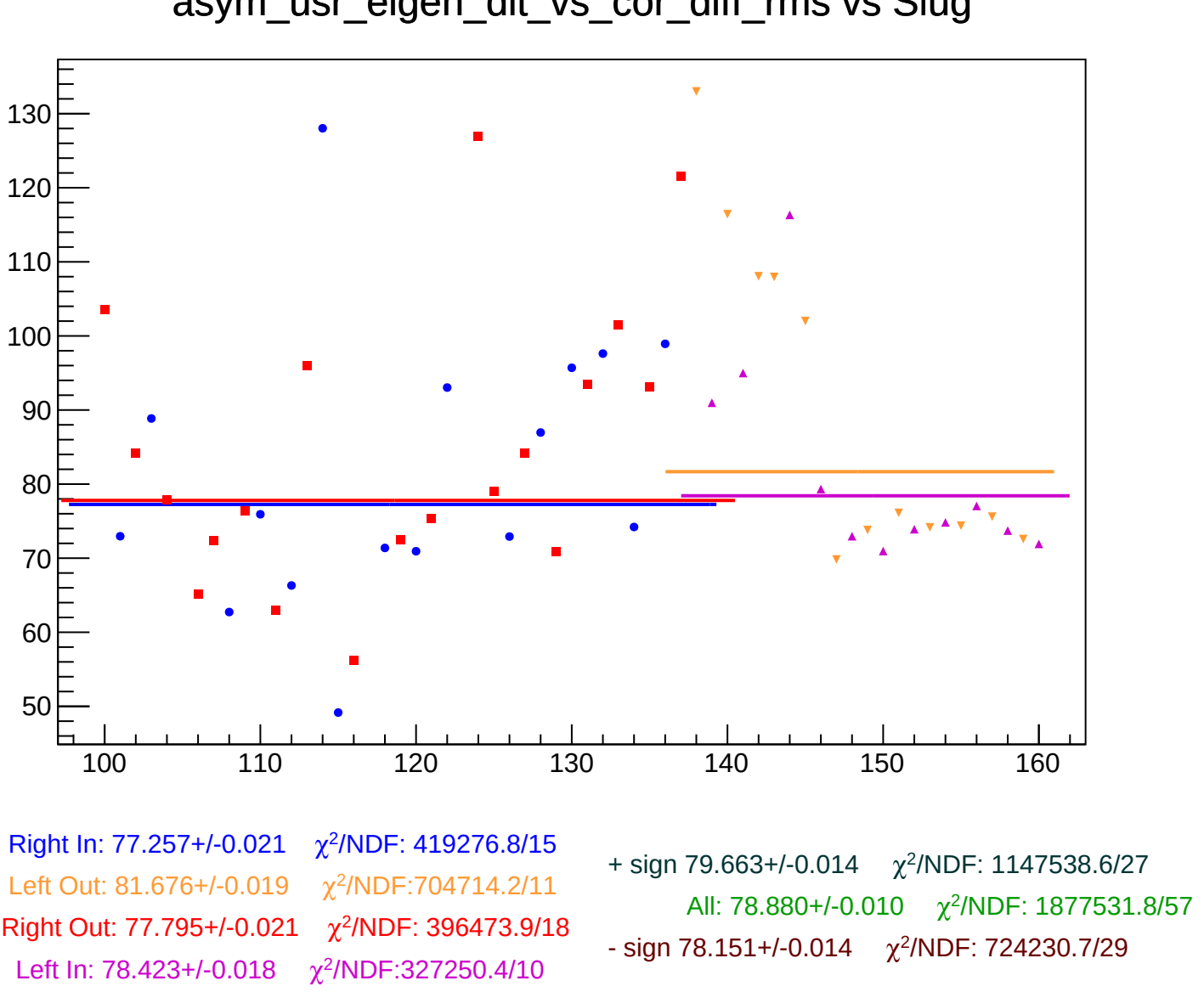
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

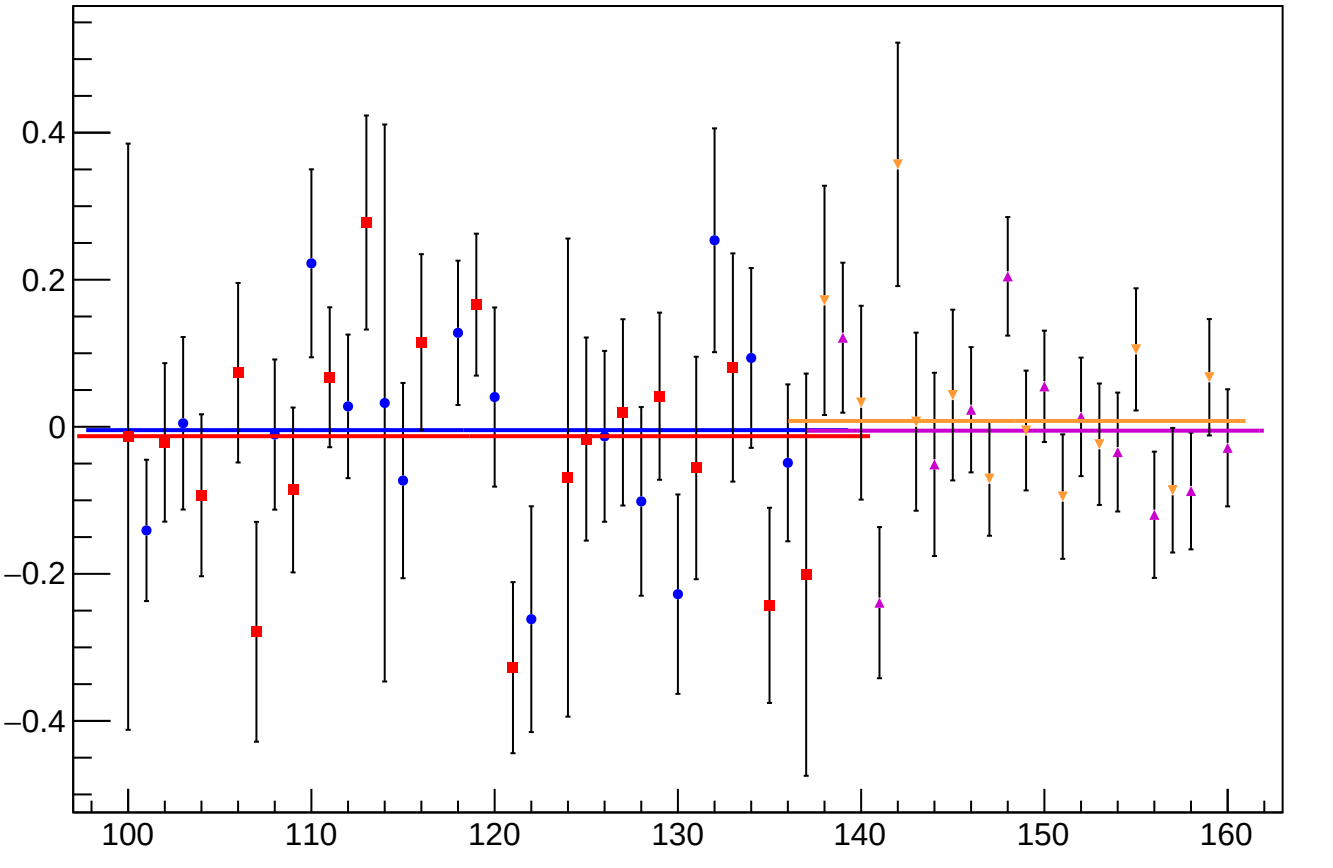
Left In: -0.005+/-0.026 χ^2/NDF:17.5/10

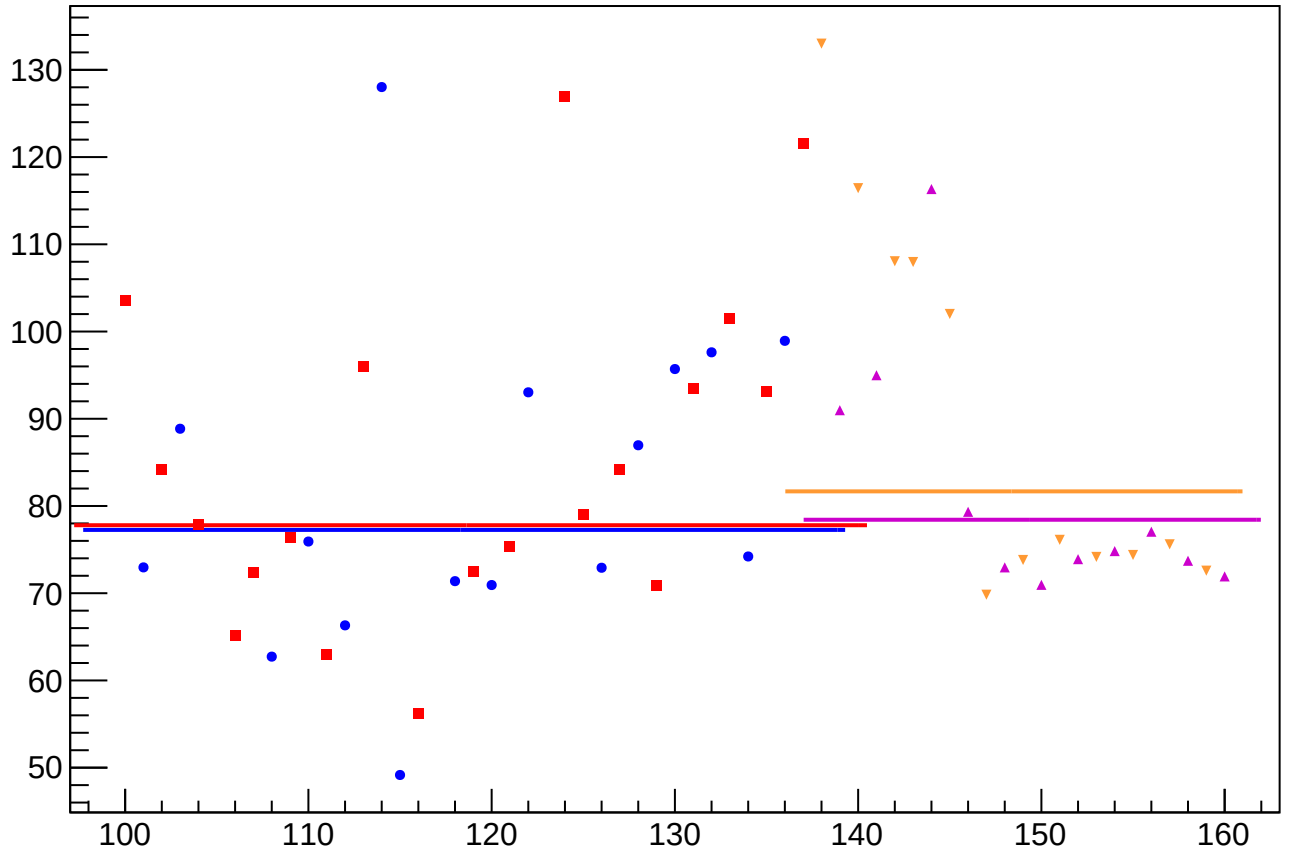
+ sign 0.002+/-0.020 χ^2/NDF: 28.9/27

All: -0.003+/-0.014 χ^2/NDF: 72.1/57

- 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: 81.676+/-0.019 χ²/NDF:704714.2/11
Right Out: 77.795+/-0.021 χ²/NDF: 396473.9/18
Left In: 78.423+/-0.018 χ²/NDF:327250.4/10
+ sign 79.663+/-0.014 χ²/NDF: 1147538.6/27
All: 78.880+/-0.010 χ²/NDF: 1877531.8/57
- sign 78.151+/-0.014 χ²/NDF: 724230.7/29


asym_usr_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: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: 0.008+/-0.027 χ²/NDF:11.5/11
Right Out: -0.013+/-0.030 χ²/NDF: 25.5/18
Left In: -0.005+/-0.026 χ²/NDF:17.5/10
+ sign 0.002+/-0.020 χ²/NDF: 28.9/27
All: -0.003+/-0.014 χ²/NDF: 72.1/57
- sign -0.009+/-0.020 χ²/NDF: 43.0/29



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

Left Out: 81.676+/-0.019 χ^2/NDF:704714.2/11

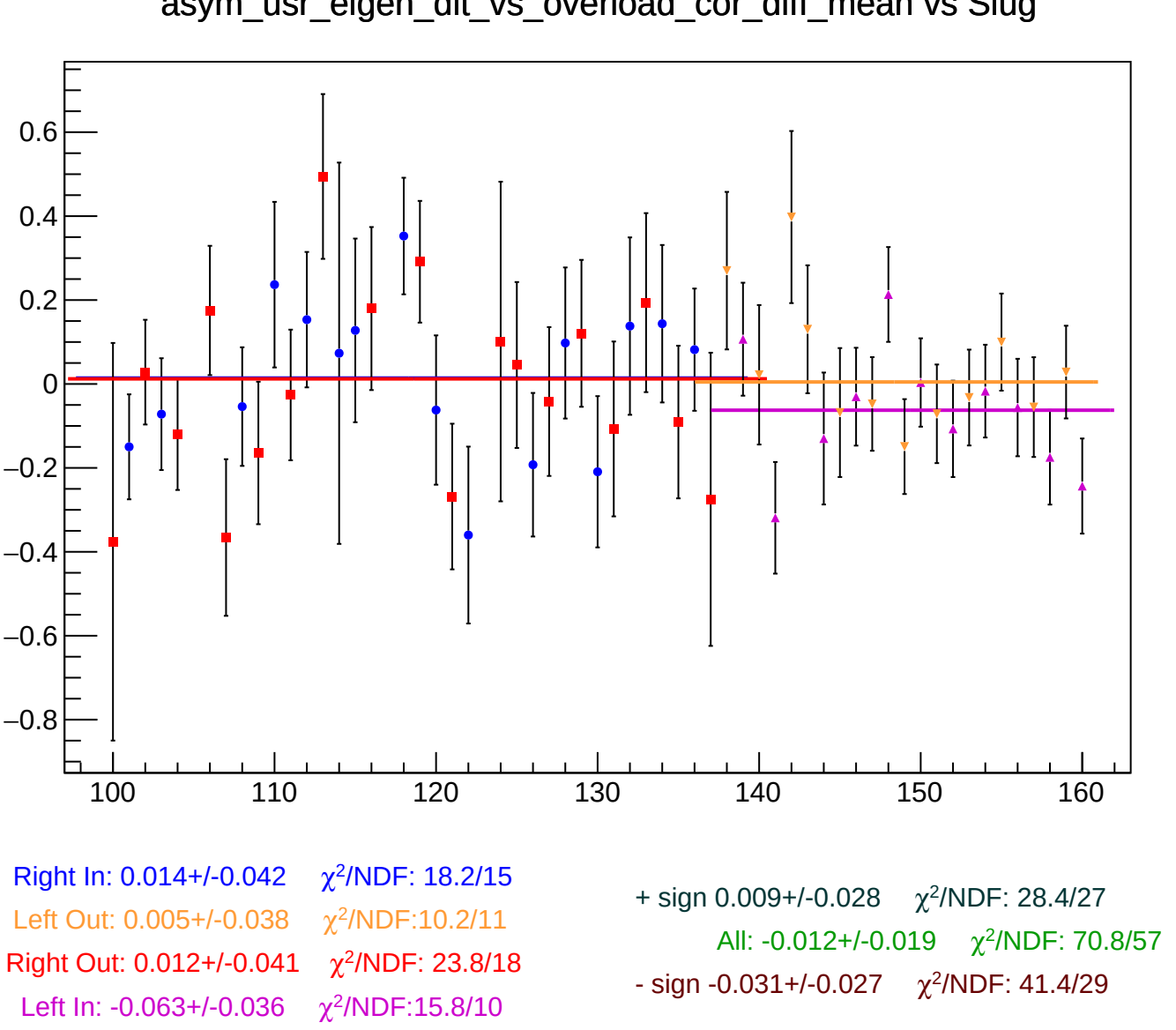
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

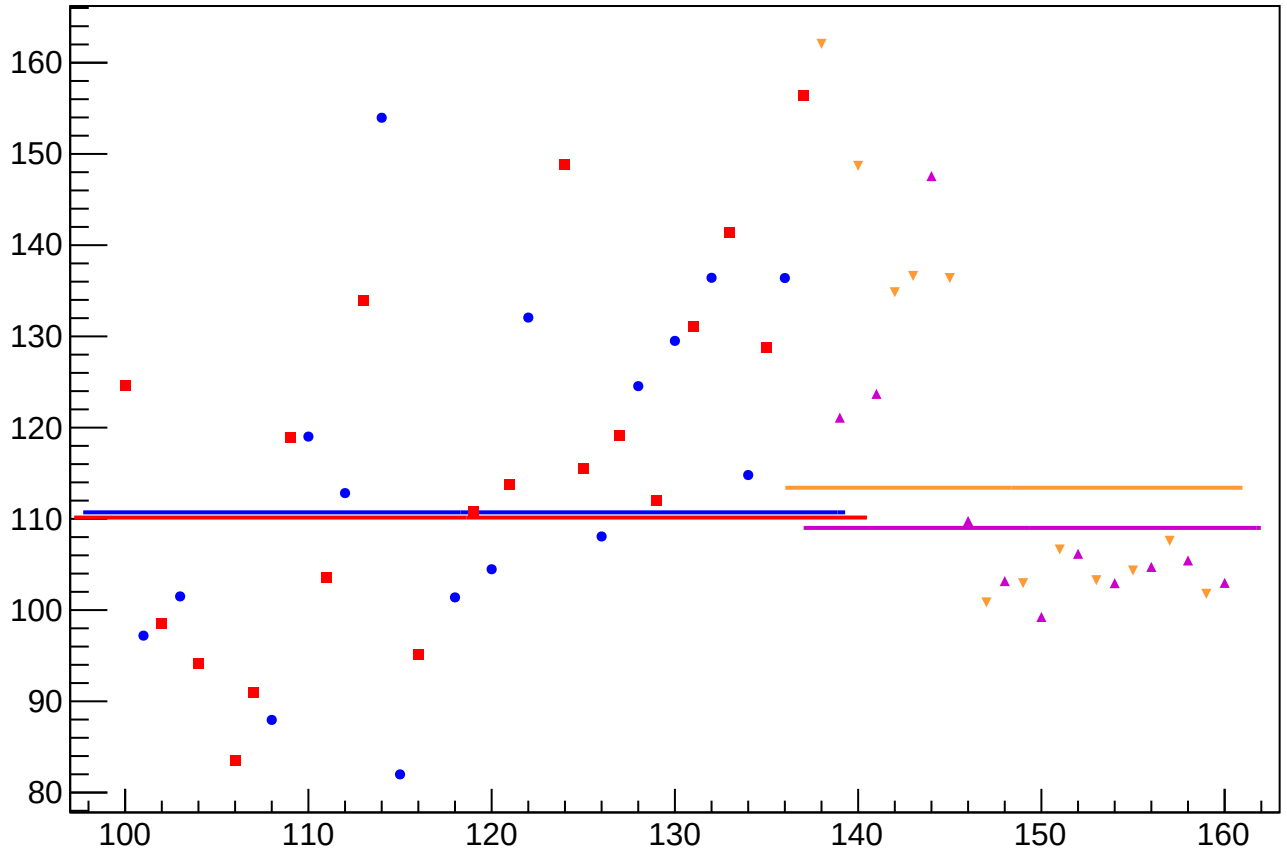
Left In: 78.423+/-0.018 χ^2/NDF:327250.4/10

\+ sign 79.663+/-0.014 χ^2/NDF: 1147538.6/27

All: 78.880+/-0.010 χ^2/NDF: 1877531.8/57

\- 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: 0.005+/-0.038 χ²/NDF:10.2/11
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.063+/-0.036 χ²/NDF:15.8/10
+ sign 0.009+/-0.028 χ²/NDF: 28.4/27
All: -0.012+/-0.019 χ²/NDF: 70.8/57
- sign -0.031+/-0.027 χ²/NDF: 41.4/29



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 113.411+/-0.027 χ^2/NDF:441604.8/11

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

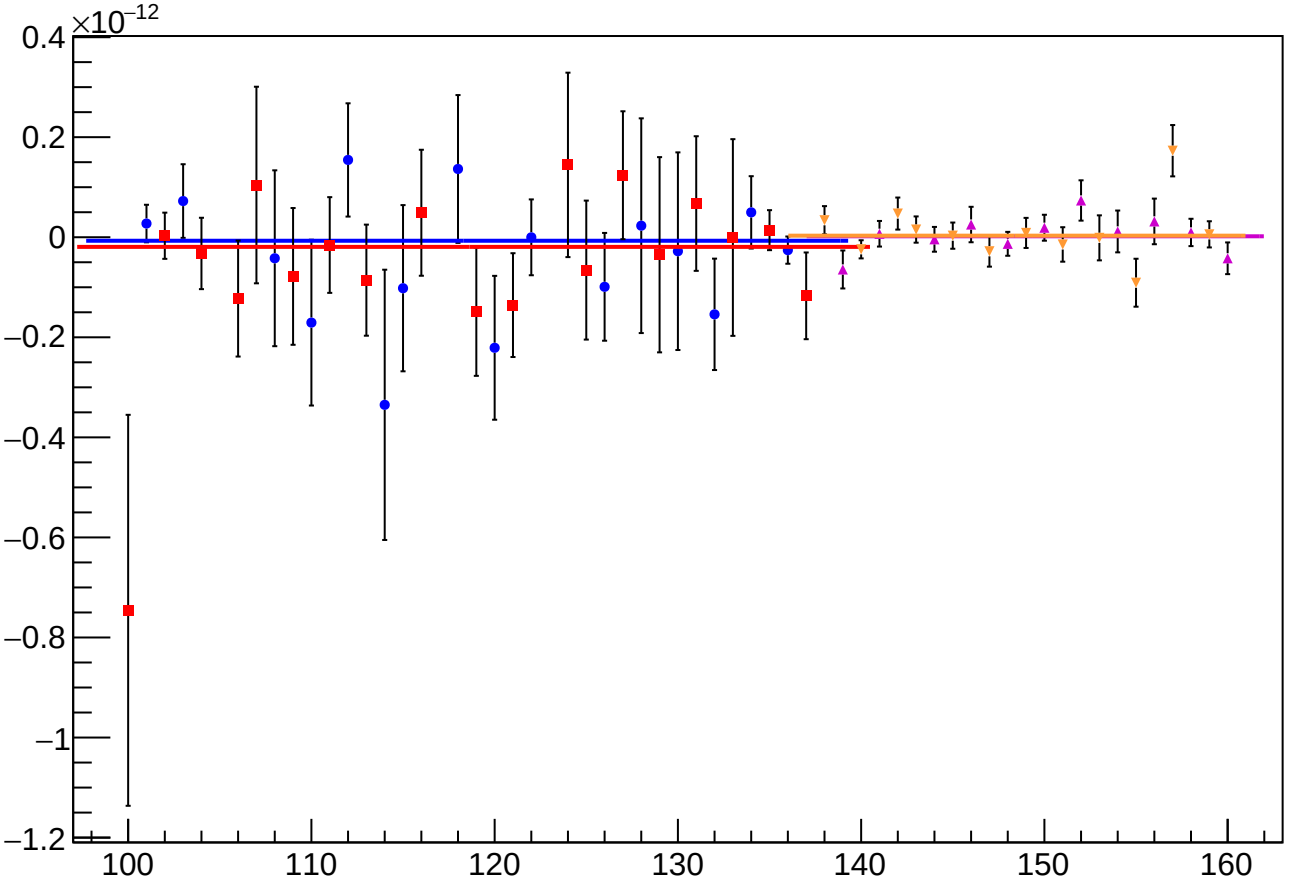
Left In: 109.007+/-0.025 χ^2/NDF:201021.3/10

+ sign 112.221+/-0.020 χ^2/NDF: 746104.1/27

All: 110.806+/-0.014 χ^2/NDF: 1284477.1/57

- sign 109.494+/-0.019 χ^2/NDF: 528583.8/29

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/11

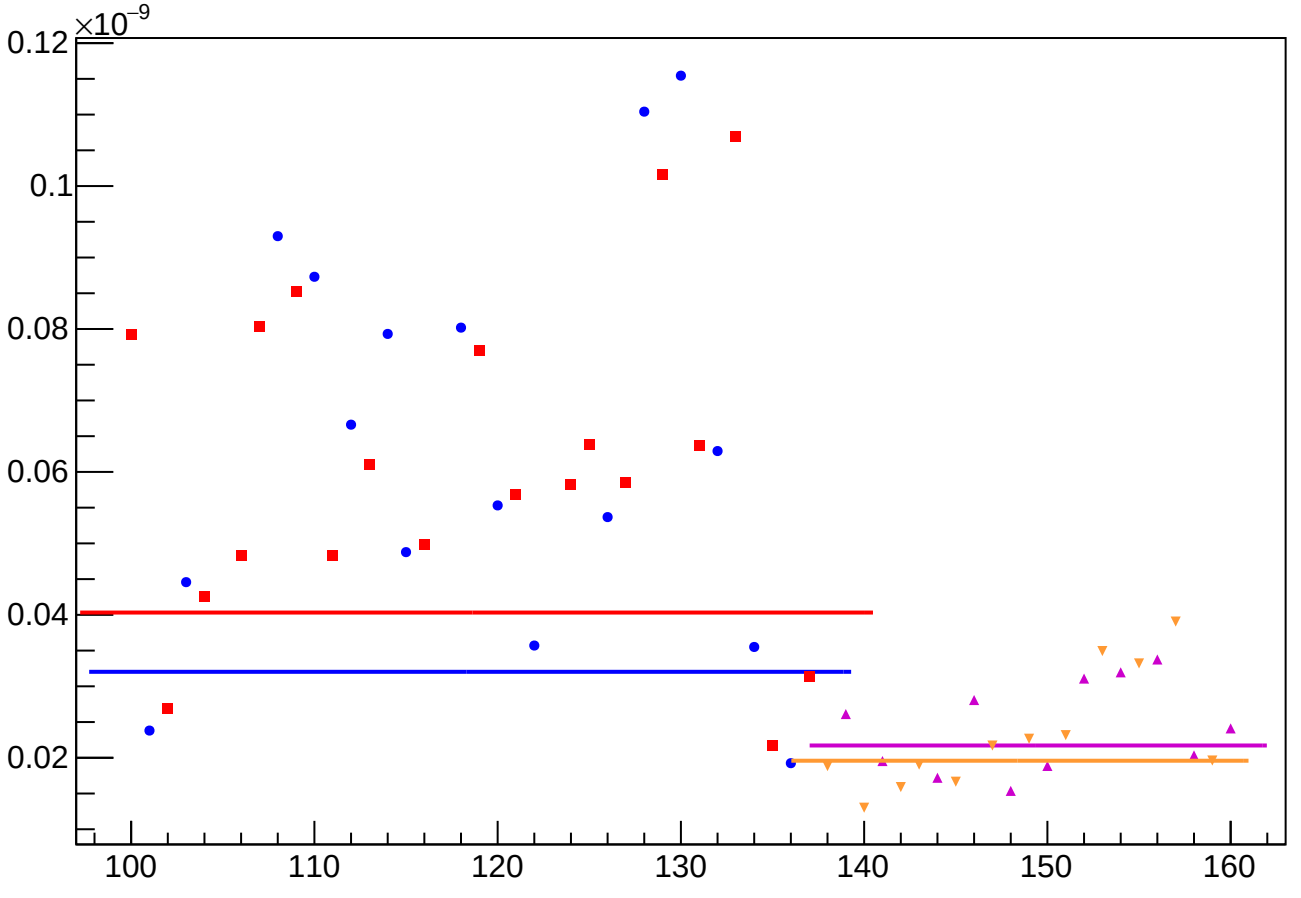
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/27

All: 0.000+/-0.000 χ^2/NDF: 59.2/57

- sign -0.000+/-0.000 χ^2/NDF: 23.5/29



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1051092.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

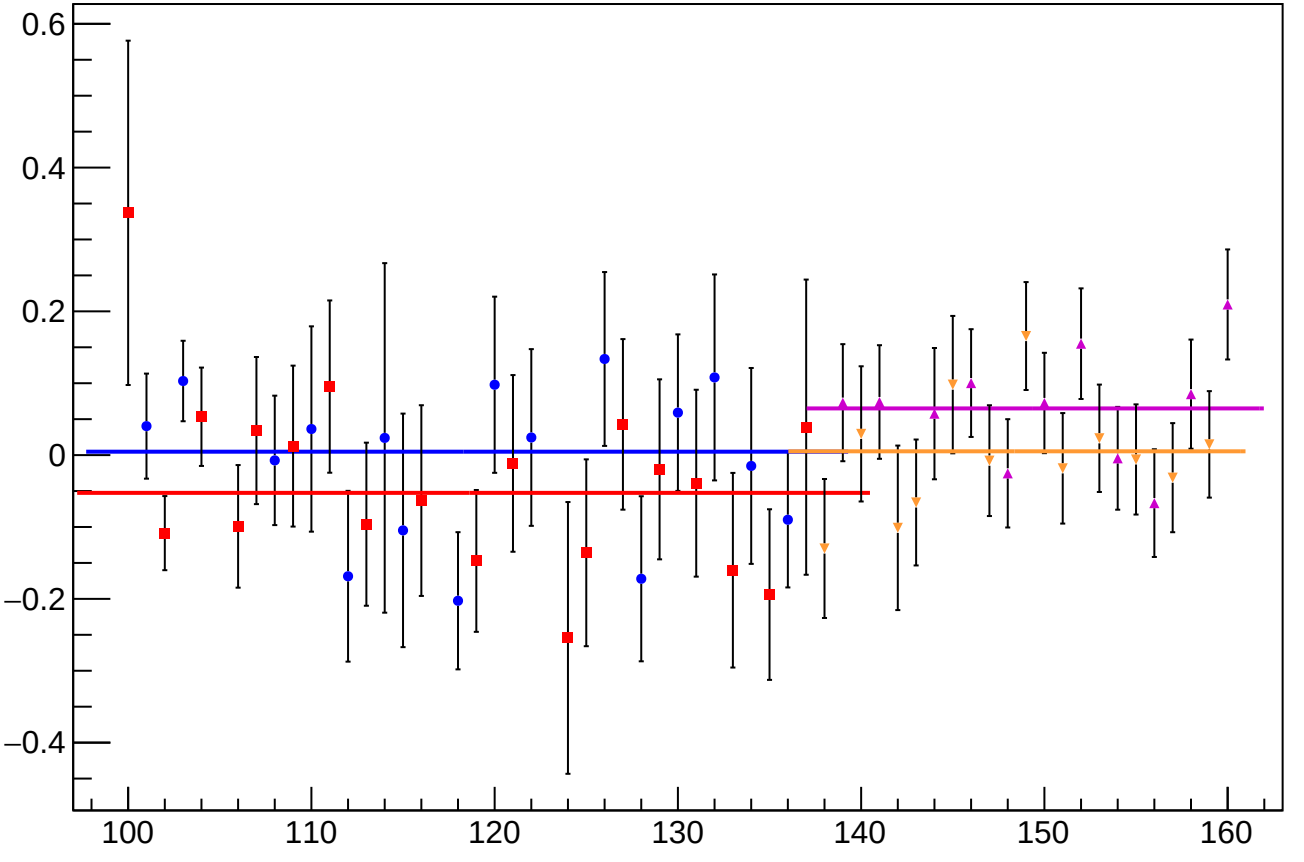
Left In: 0.000+/-0.000 χ^2/NDF:721994.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 4298689.3/27

All: 0.000+/-0.000 χ^2/NDF: 8314780.4/57

- 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: 0.005+/-0.024 χ^2/NDF:9.5/11

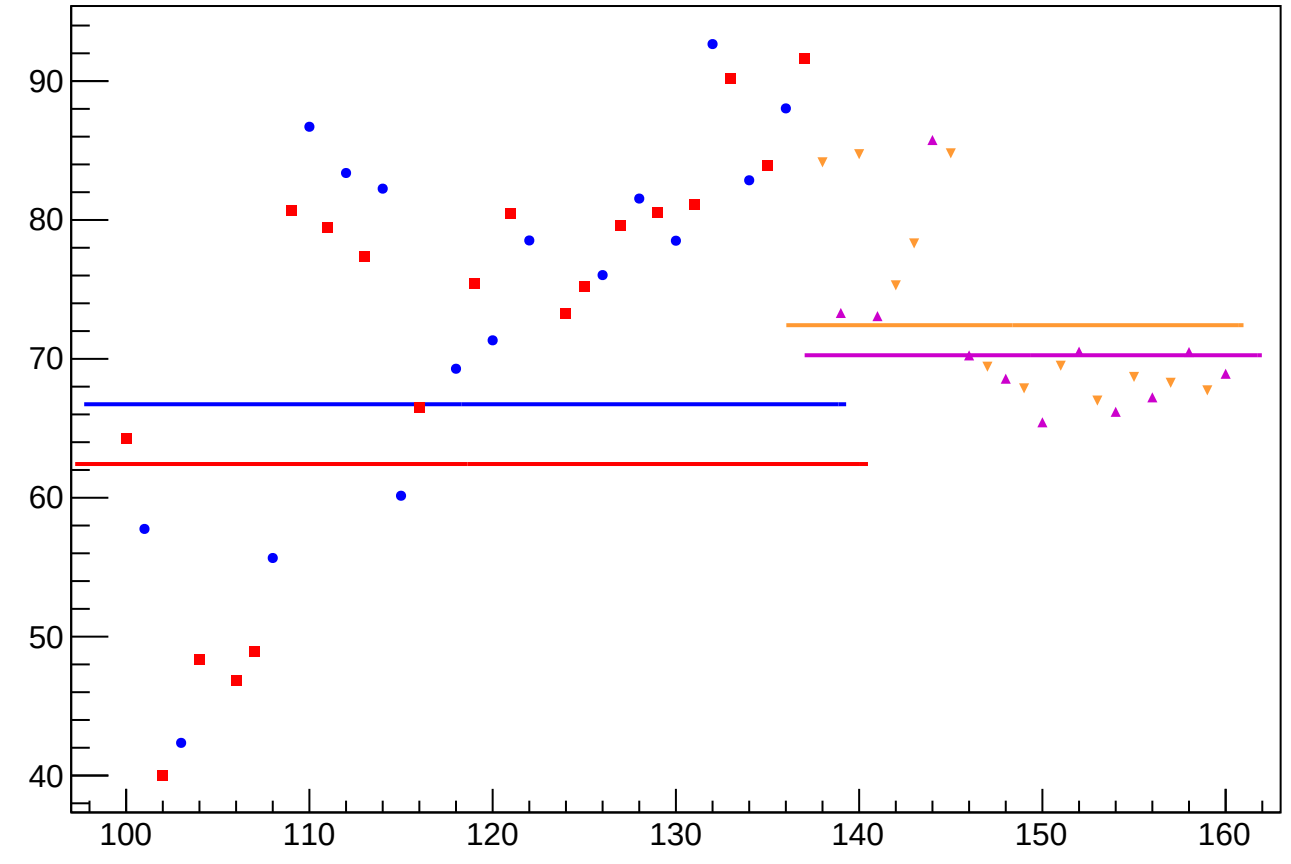
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.065+/-0.023 χ^2/NDF:10.7/10

+ sign 0.005+/-0.018 χ^2/NDF: 26.1/27

All: 0.007+/-0.012 χ^2/NDF: 64.1/57

- 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: 72.425+/-0.017 χ^2/NDF:150026.9/11

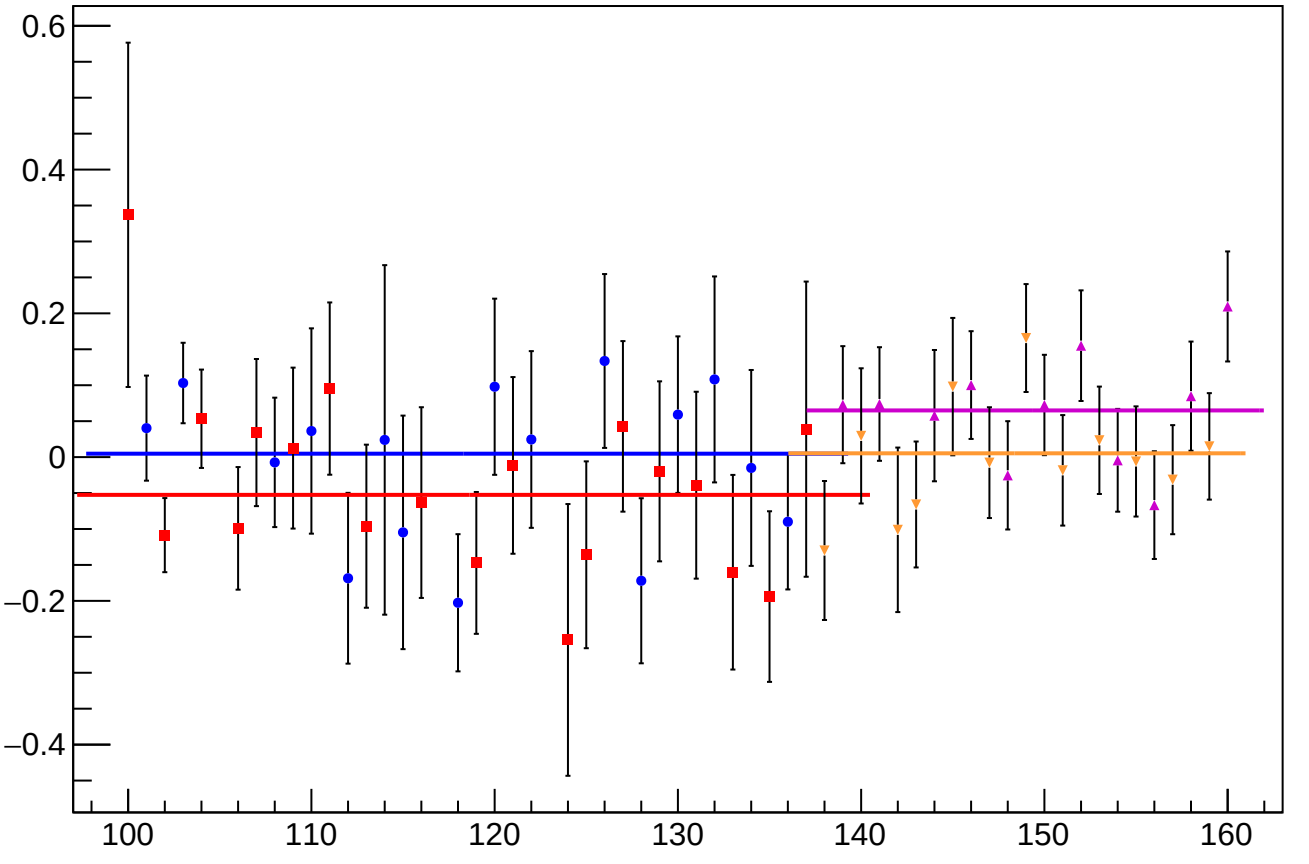
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 70.261+/-0.016 χ^2/NDF:83889.6/10

+ sign 69.811+/-0.012 χ^2/NDF: 1019040.6/27

All: 68.076+/-0.009 χ^2/NDF: 2364395.1/57

- sign 66.512+/-0.012 χ^2/NDF: 1308172.3/29



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.005+/-0.024 χ^2/NDF:9.5/11

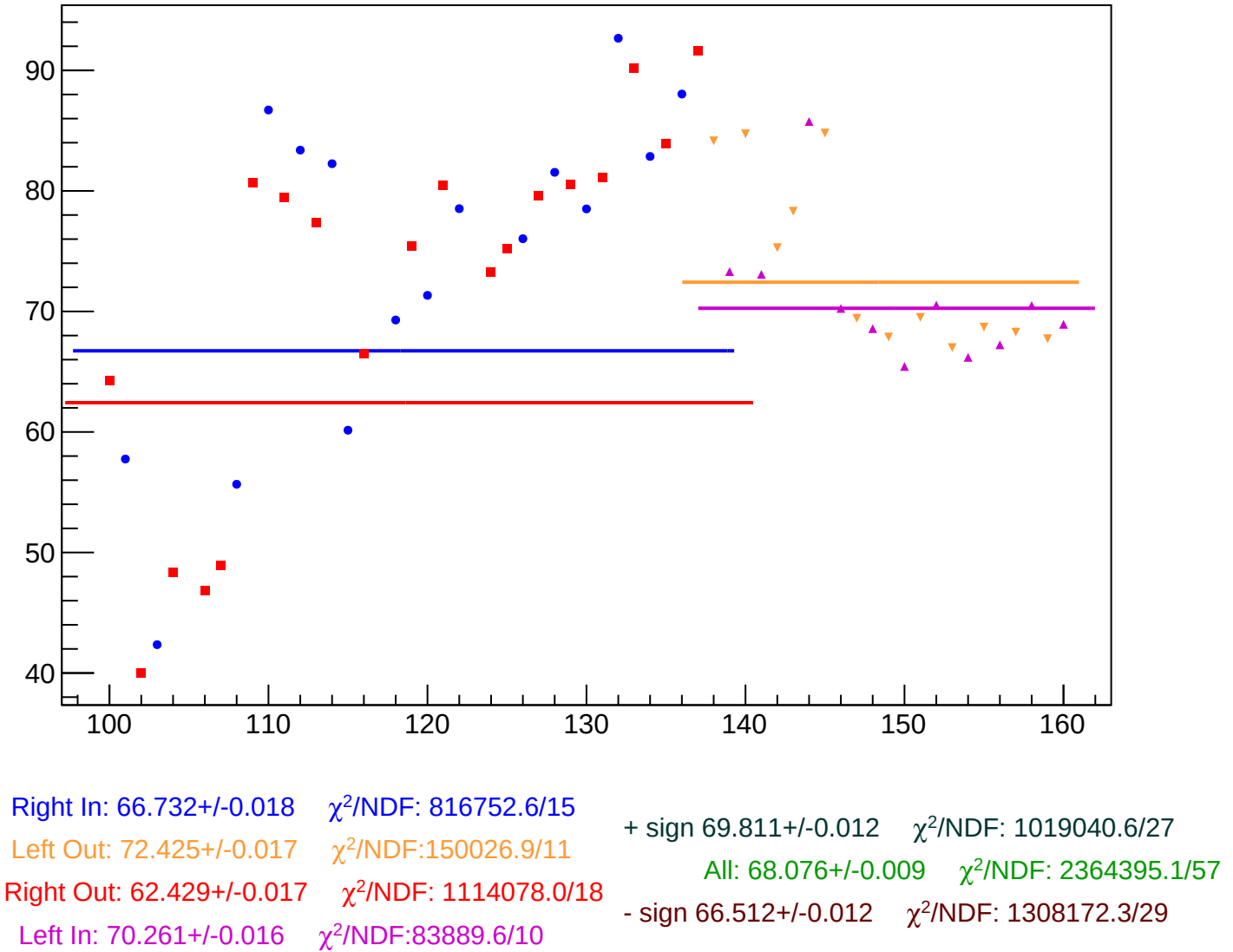
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.065+/-0.023 χ^2/NDF:10.7/10

+ sign 0.005+/-0.018 χ^2/NDF: 26.1/27

All: 0.007+/-0.012 χ^2/NDF: 64.1/57

- sign 0.009+/-0.017 χ^2/NDF: 37.9/29


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
80
70
60
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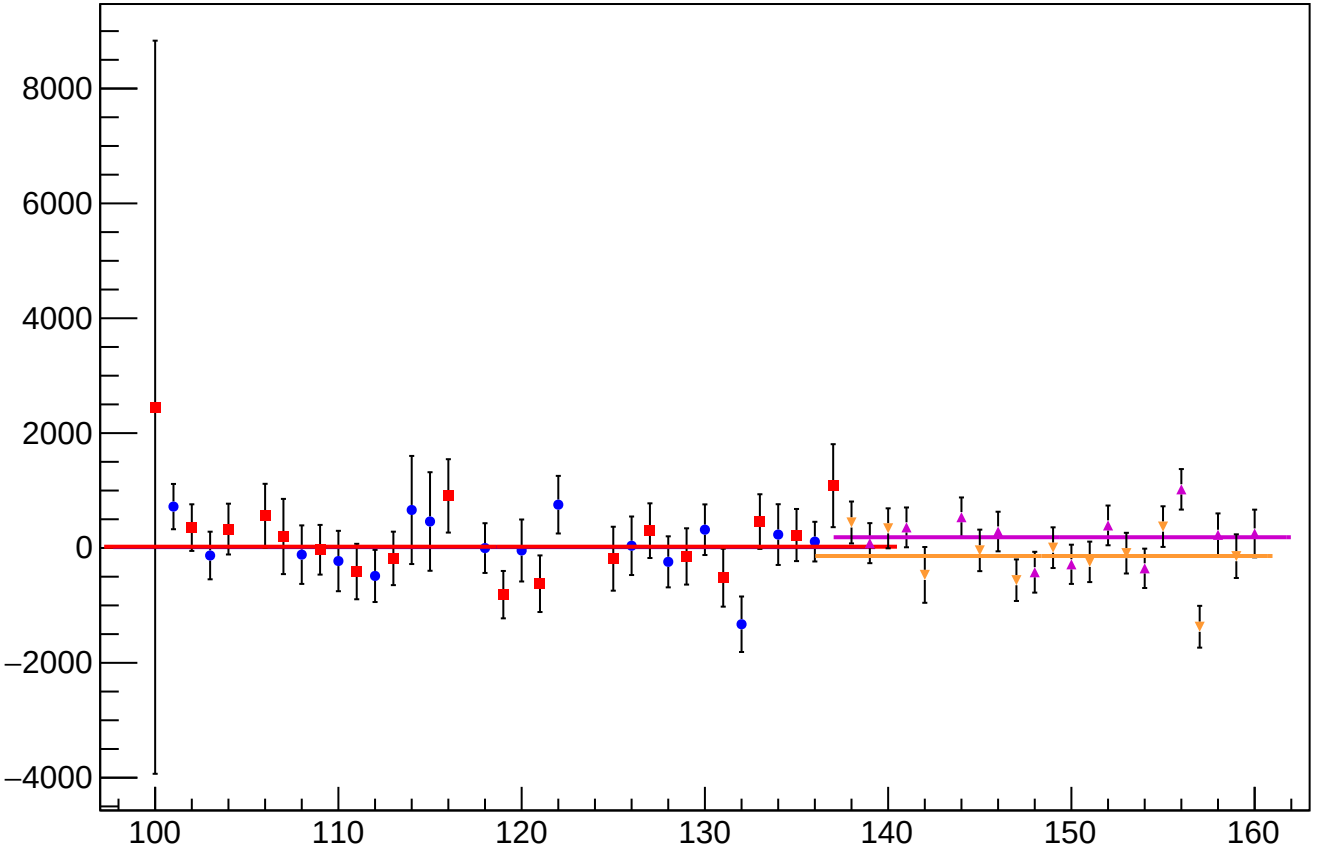
100
110
120
130
140
150
160
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 72.425+/-0.017 χ²/NDF:150026.9/11
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 70.261+/-0.016 χ²/NDF:83889.6/10
+ sign 69.811+/-0.012 χ²/NDF: 1019040.6/27
All: 68.076+/-0.009 χ²/NDF: 2364395.1/57
- sign 66.512+/-0.012 χ²/NDF: 1308172.3/29

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -139.702+/-110.595 χ^2/NDF:20.2/10

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

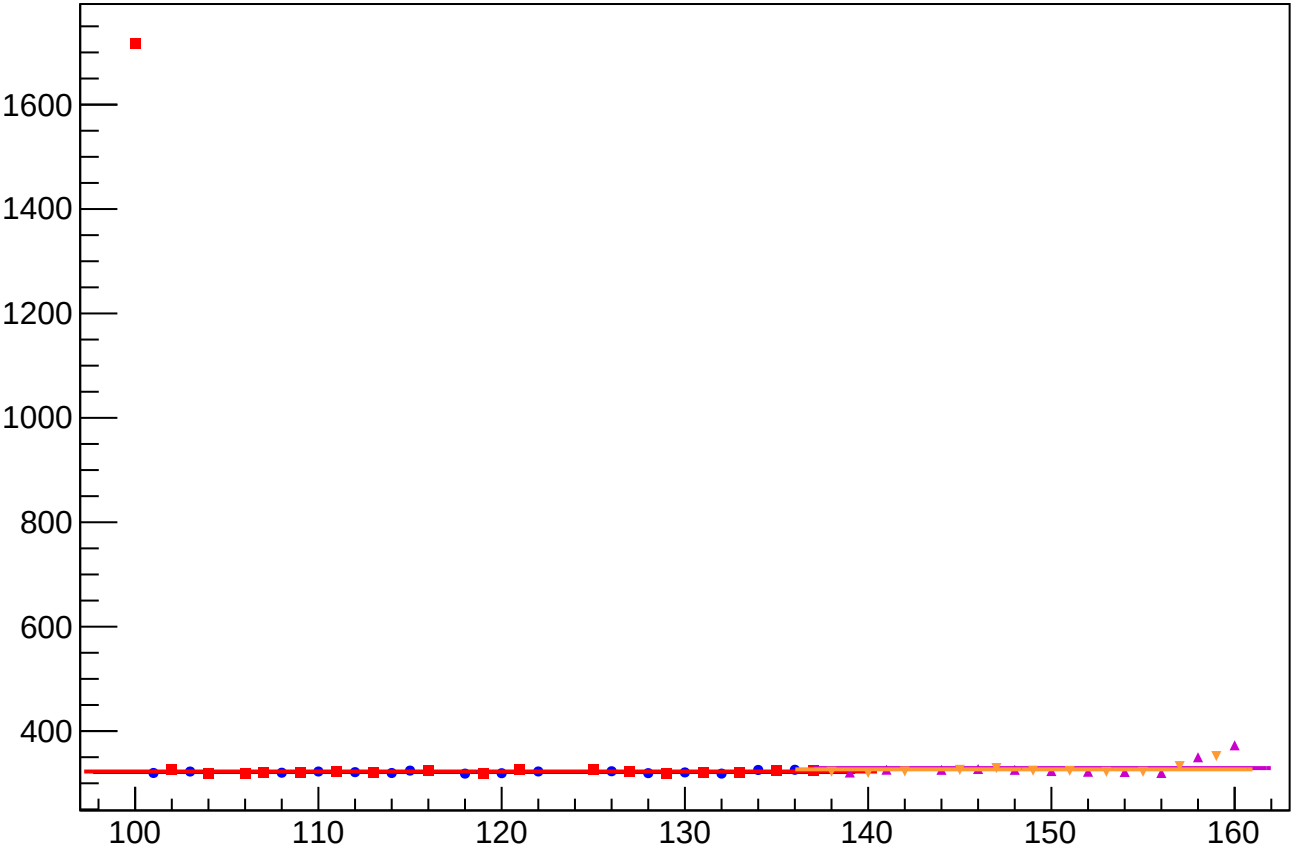
Left In: 187.102+/-106.692 χ^2/NDF:14.8/10

\+ sign -68.046+/-81.147 χ^2/NDF: 37.6/26

All: 24.707+/-56.789 χ^2/NDF: 72.0/55

\- 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: 326.726+/-0.078 χ^2/NDF:11801.7/10

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

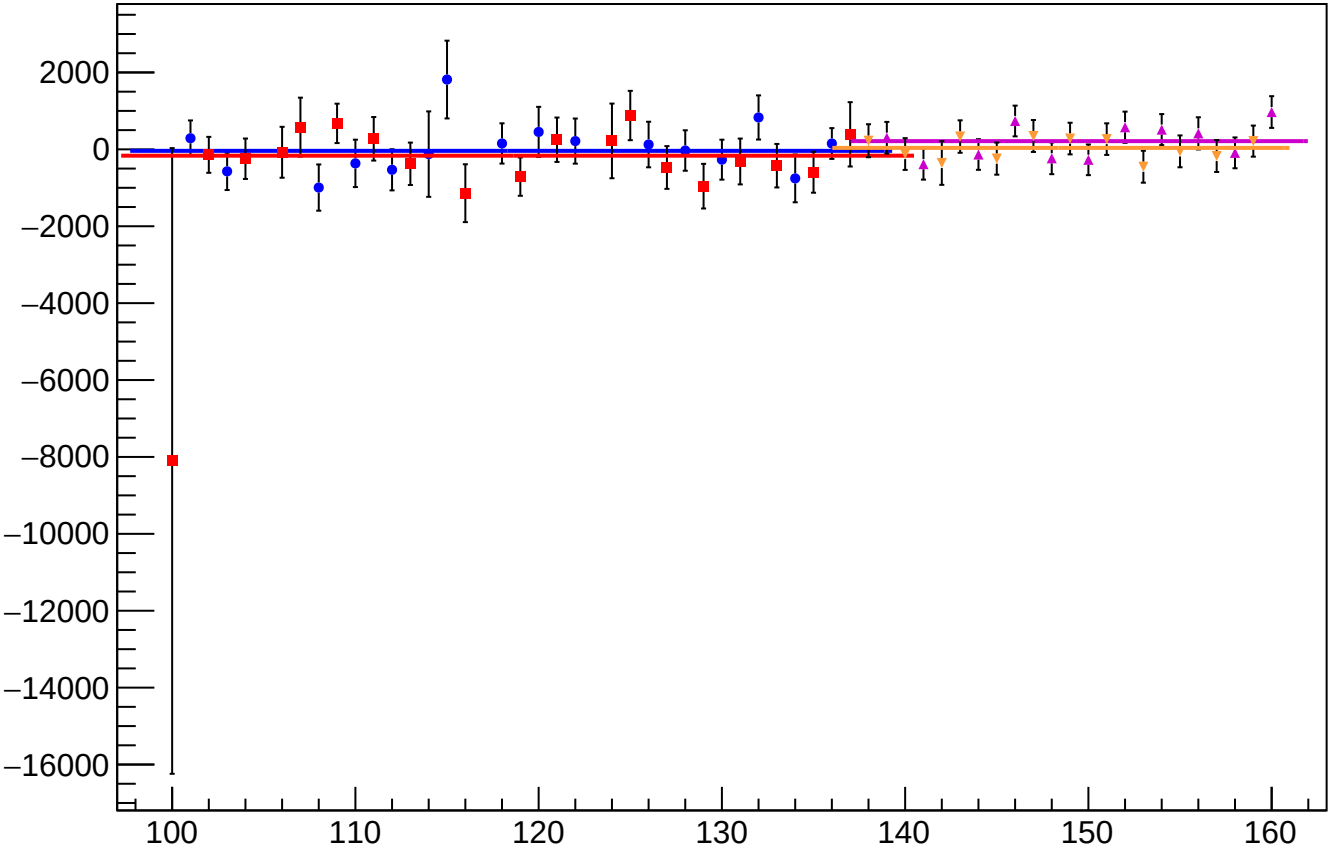
Left In: 329.101+/-0.075 χ^2/NDF:33693.5/10

+ sign 324.361+/-0.057 χ^2/NDF: 14604.9/26

All: 325.294+/-0.040 χ^2/NDF: 149058.5/55

- 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: 37.845+/-122.260 χ^2/NDF:4.8/11

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

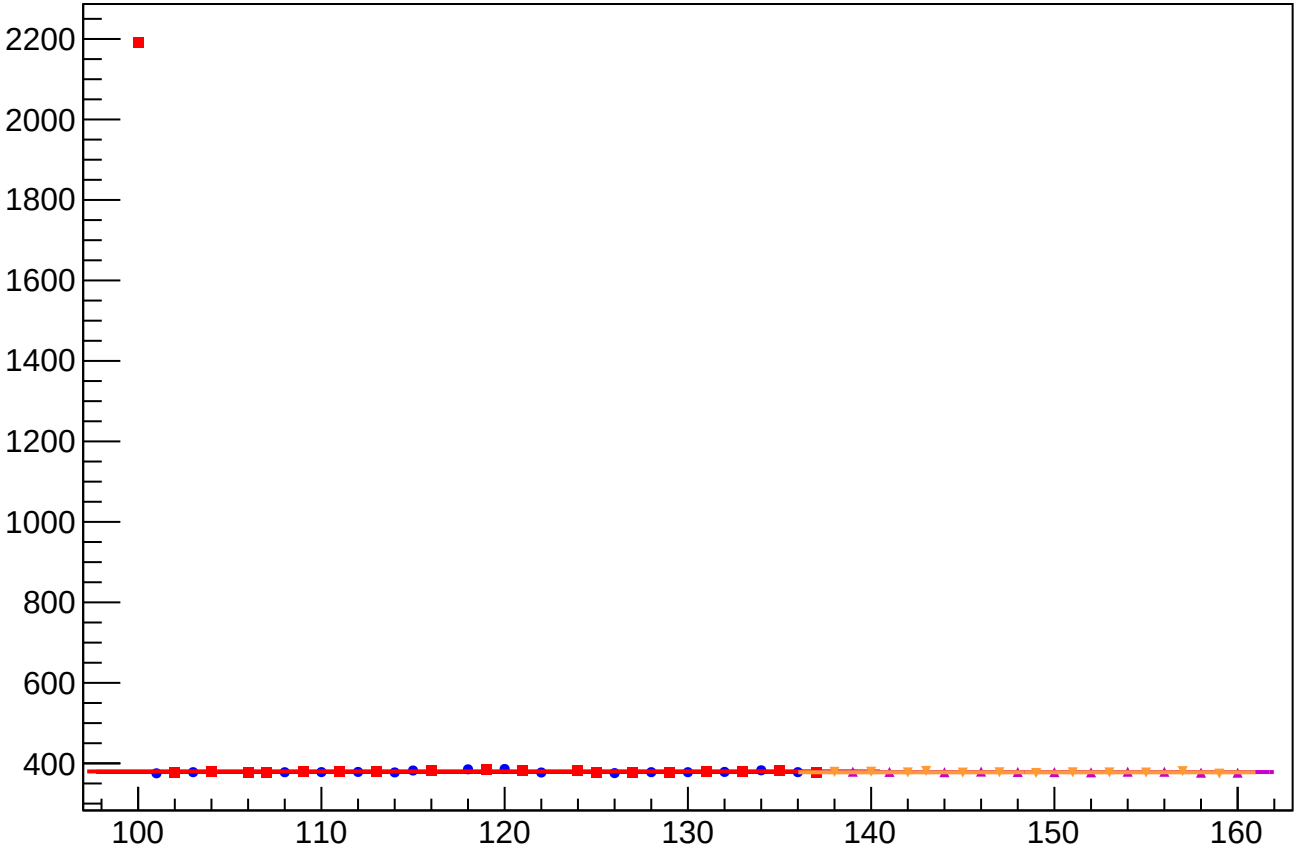
Left In: 213.523+/-122.392 χ^2/NDF:12.9/10

+ sign 4.827+/-92.292 χ^2/NDF: 18.7/27

All: 26.680+/-65.102 χ^2/NDF: 51.0/57

- 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: 377.806+/-0.086 χ^2/NDF:446.1/11

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

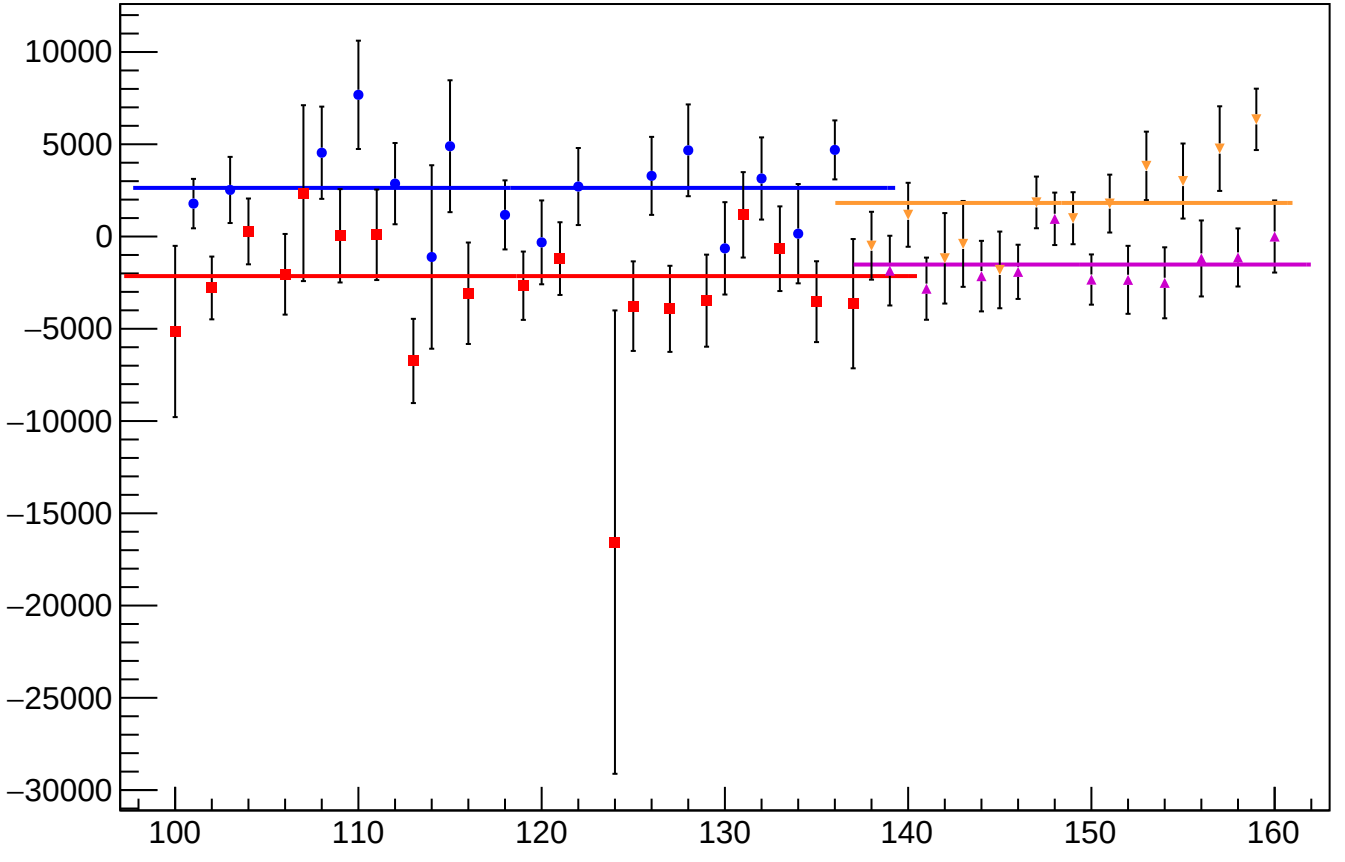
Left In: 378.401+/-0.087 χ^2/NDF:112.6/10

+ sign 378.281+/-0.065 χ^2/NDF: 1367.4/27

All: 378.665+/-0.046 χ^2/NDF: 101297.7/57

- 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: 1820.353+/-518.861 χ^2/NDF:18.1/11

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

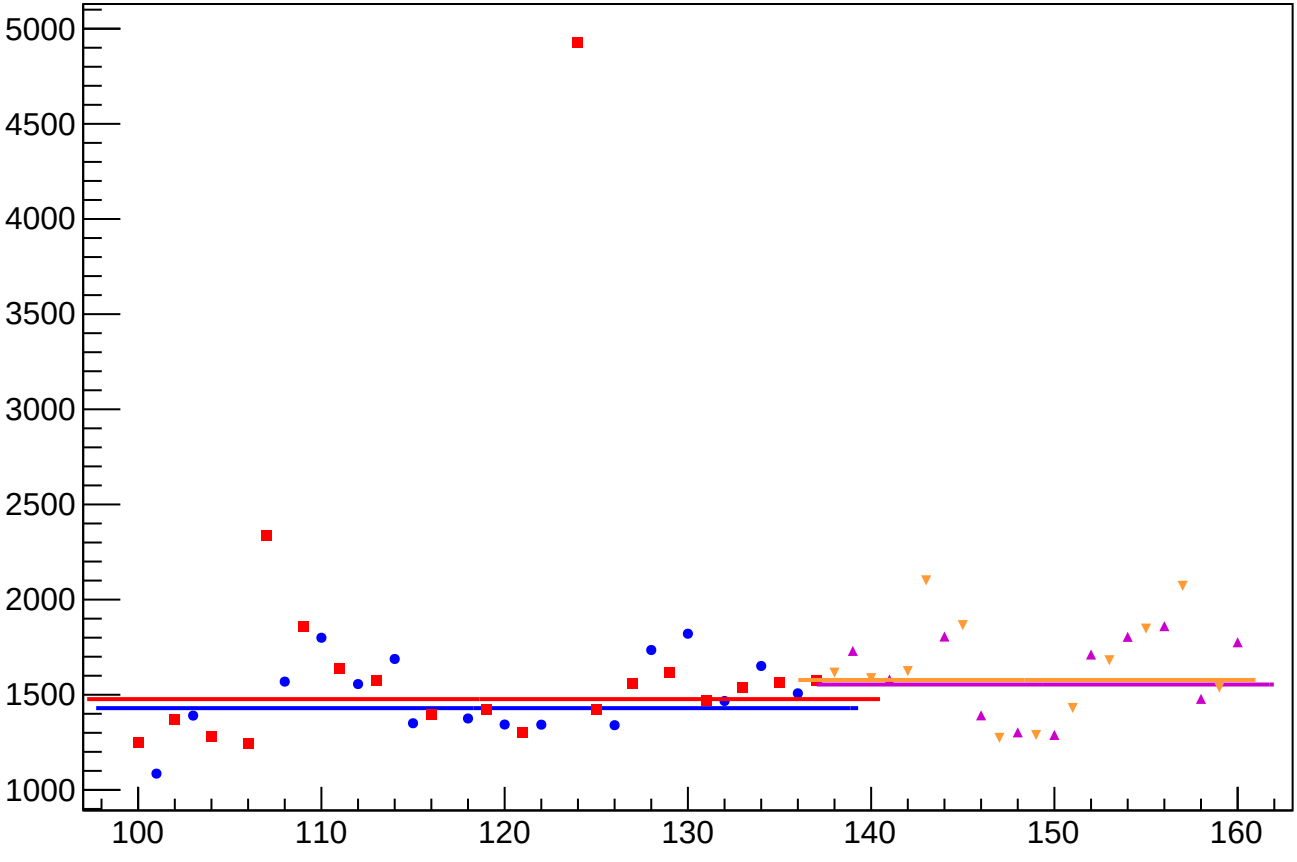
Left In: -1518.844+/-508.321 χ^2/NDF:5.4/10

+ sign 2213.094+/-373.484 χ^2/NDF: 31.6/27

All: 196.015+/-263.691 χ^2/NDF: 110.8/57

- 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: 1577.745+/-0.367 χ^2/NDF:472990.1/11

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

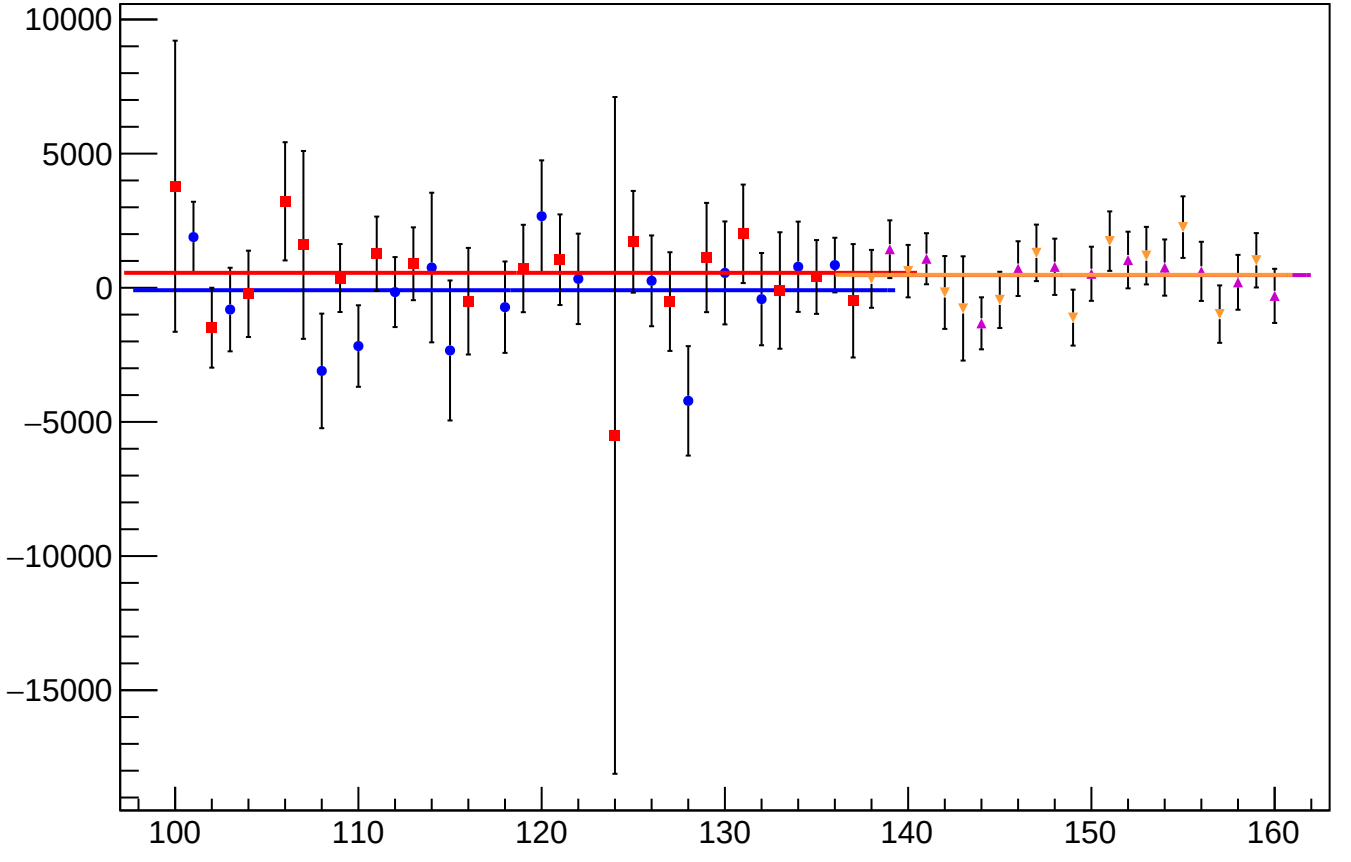
Left In: 1553.828+/-0.359 χ^2/NDF:338716.8/10

+ sign 1506.385+/-0.264 χ^2/NDF: 844885.8/27

All: 1512.351+/-0.186 χ^2/NDF: 1575154.2/57

- 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: 481.452+/-320.529 χ^2/NDF:10.7/11

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

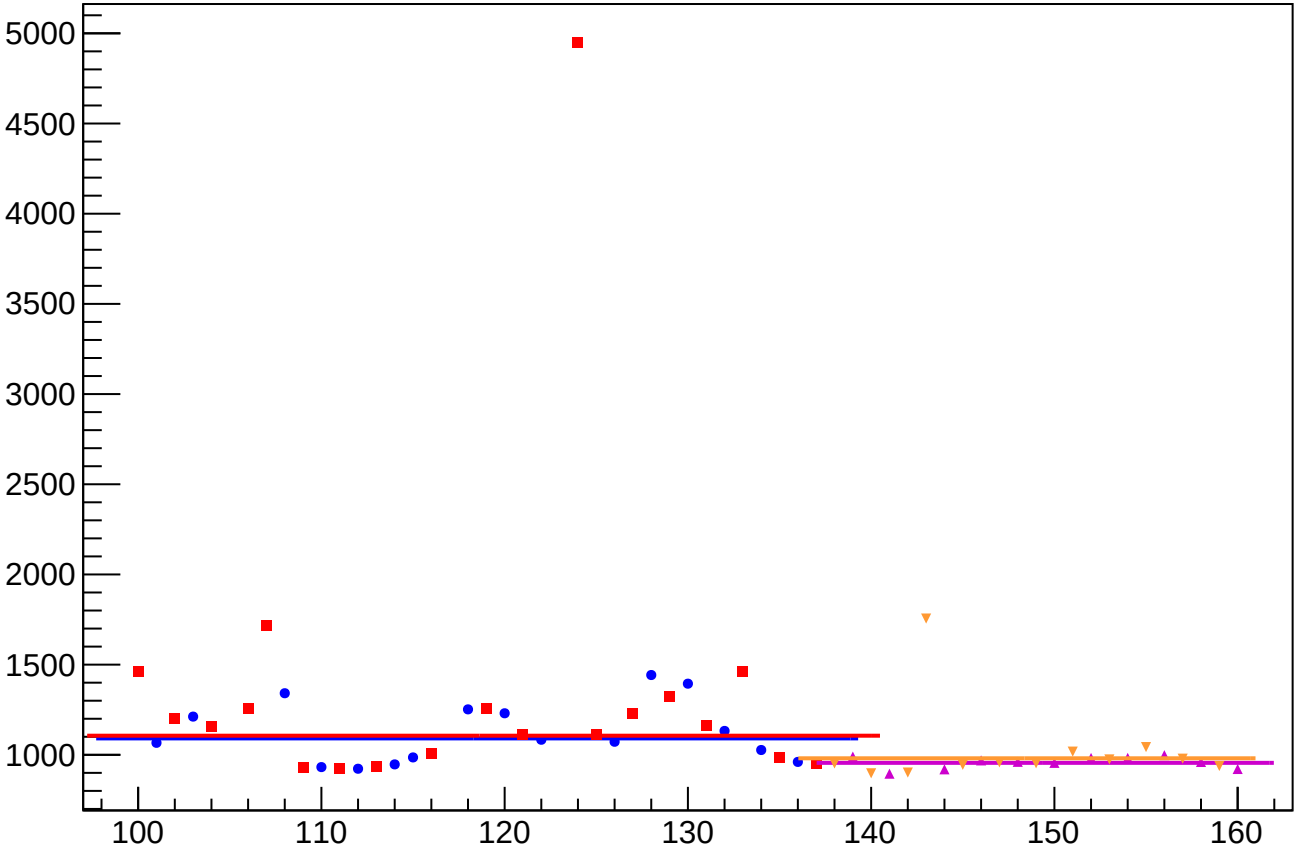
Left In: 473.537+/-309.299 χ^2/NDF:5.8/10

+ sign 264.156+/-252.510 χ^2/NDF: 26.5/27

All: 386.429+/-176.648 χ^2/NDF: 39.5/57

- 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: 980.806+/-0.227 χ^2/NDF:357048.5/11

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

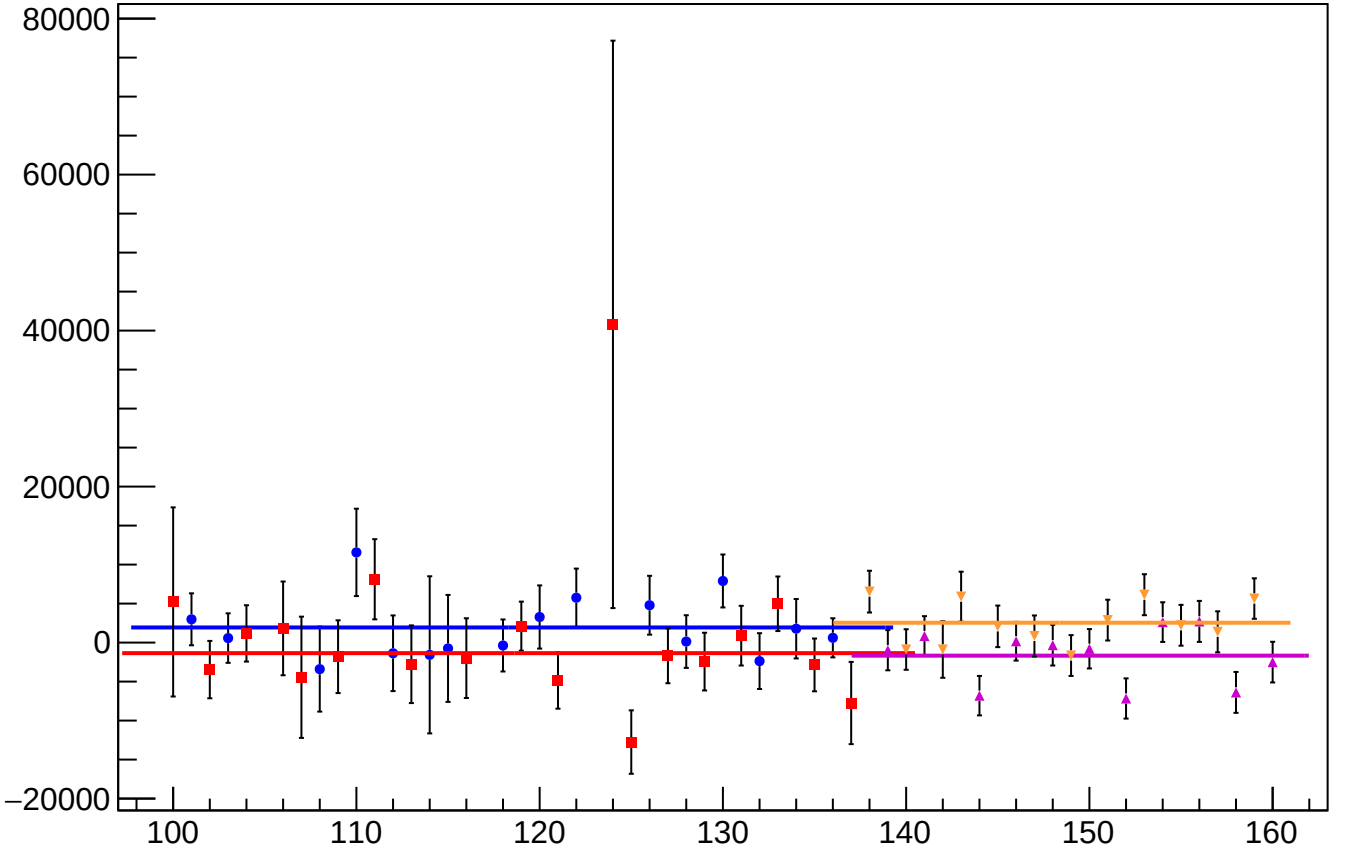
Left In: 955.539+/-0.219 χ^2/NDF:21229.1/10

+ sign 1022.628+/-0.179 χ^2/NDF: 724098.8/27

All: 1016.128+/-0.125 χ^2/NDF: 1433065.3/57

- 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: 2546.839+/-784.808 χ^2/NDF:12.5/11

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

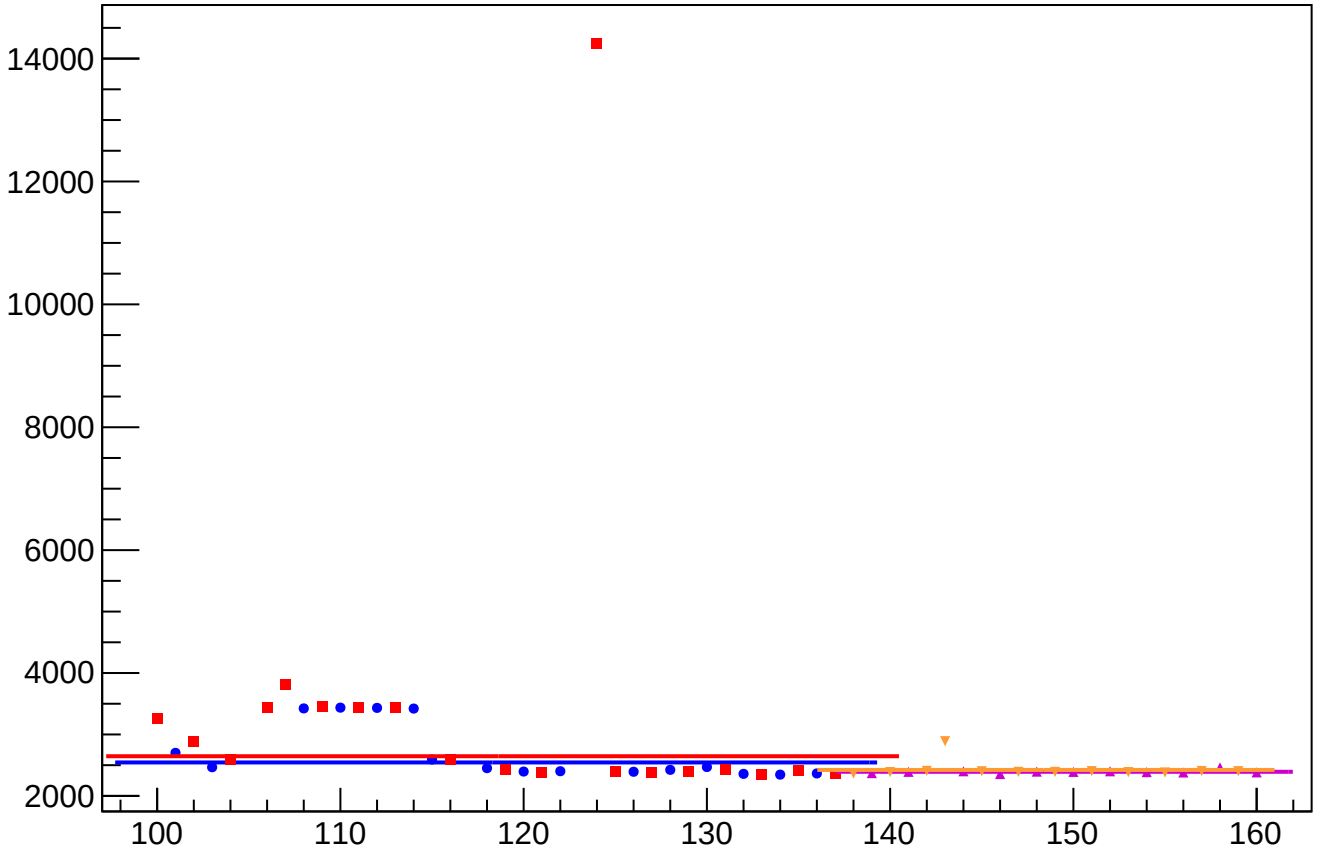
Left In: -1675.559+/-773.857 χ^2/NDF:19.6/10

+ sign 2301.326+/-605.703 χ^2/NDF: 25.0/27

All: 383.376+/-429.299 χ^2/NDF: 86.6/57

- 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: 2422.327+/-0.555 χ^2/NDF:45973.2/11

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

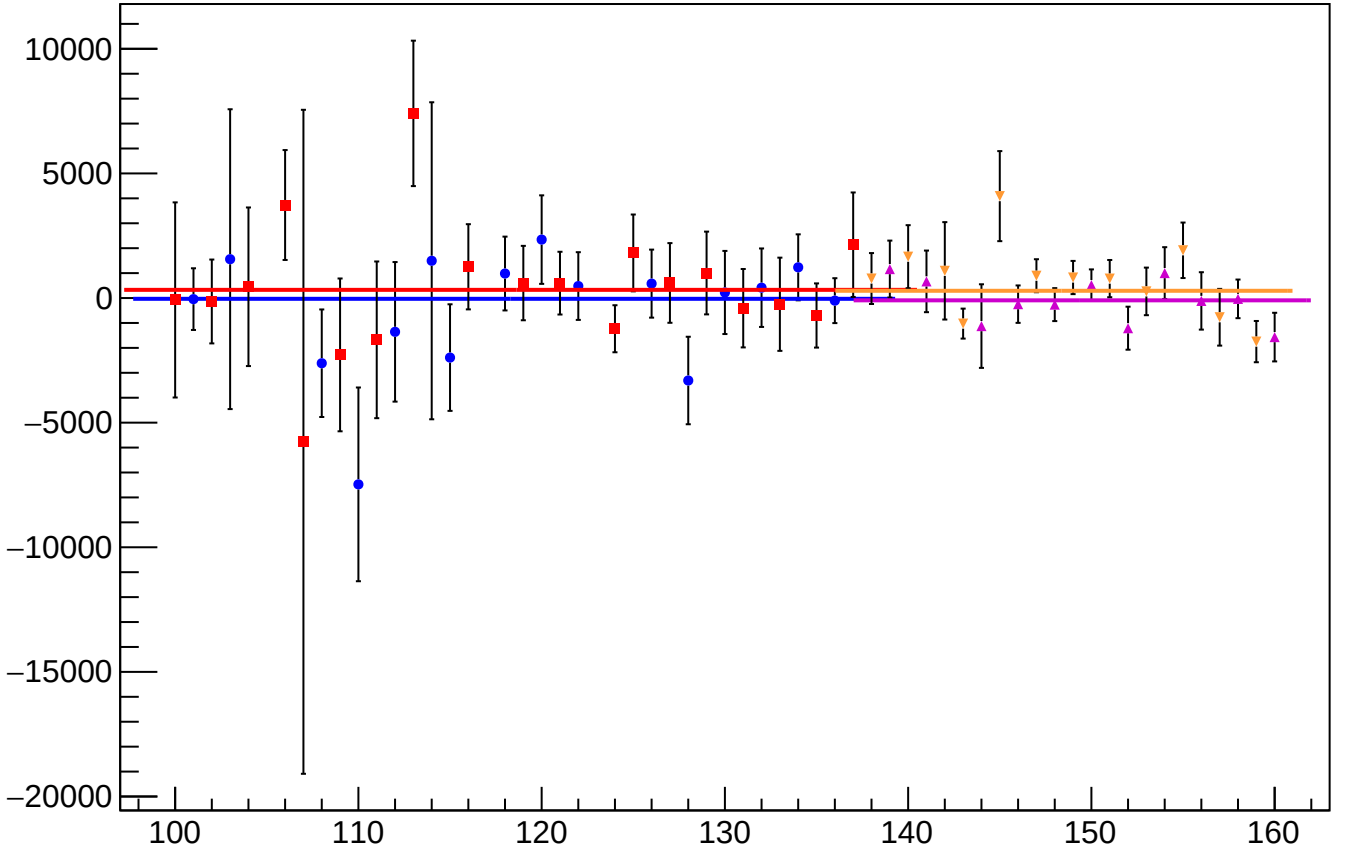
Left In: 2392.549+/-0.547 χ^2/NDF:2171.7/10

+ sign 2471.693+/-0.428 χ^2/NDF: 291158.1/27

All: 2480.372+/-0.304 χ^2/NDF: 912759.0/57

- 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: 291.076+/-255.010 χ^2/NDF:21.8/11

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

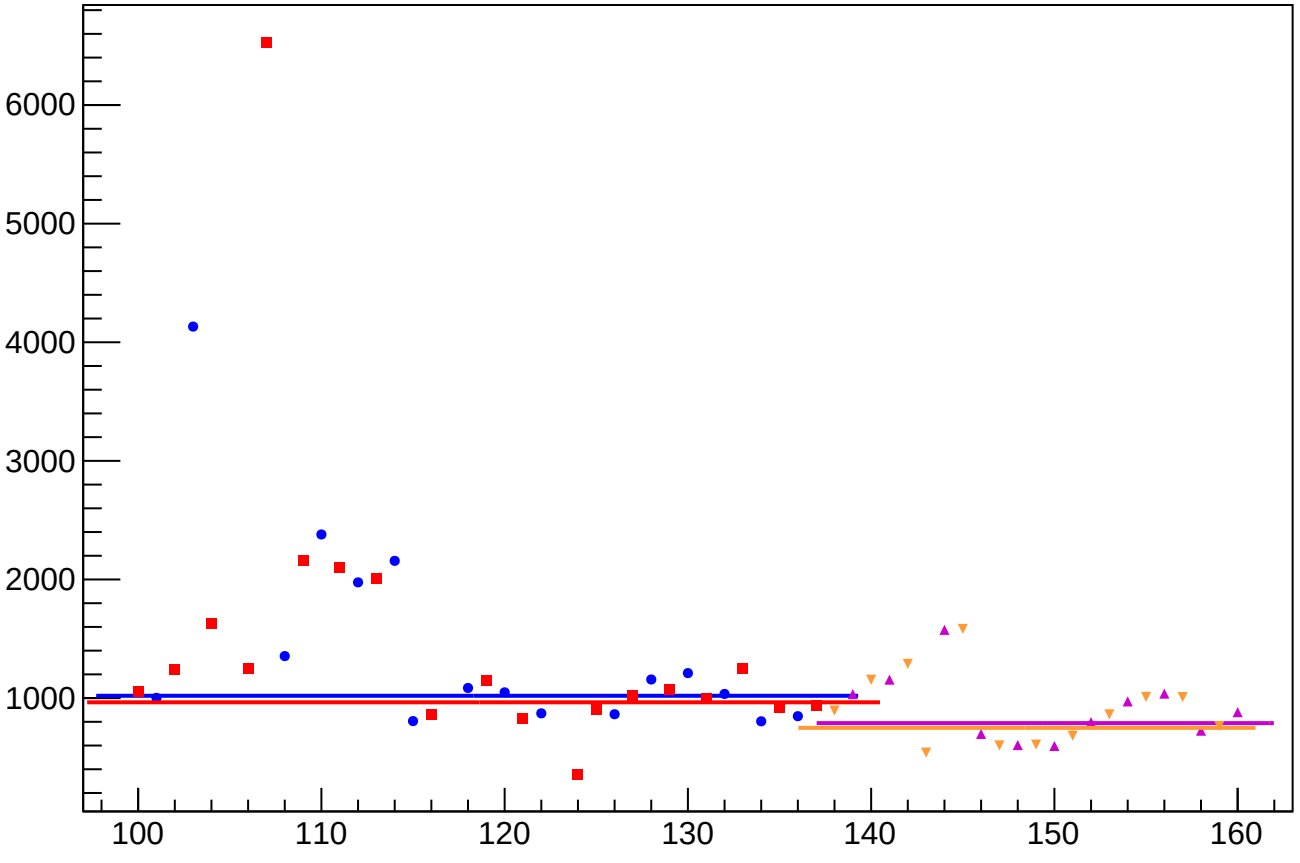
Left In: -92.185+/-266.434 χ^2/NDF:8.1/10

+ sign 199.817+/-215.905 χ^2/NDF: 36.0/27

All: 120.849+/-154.608 χ^2/NDF: 60.7/57

- 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: 748.810+/-0.180 χ^2/NDF:1514905.3/11

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

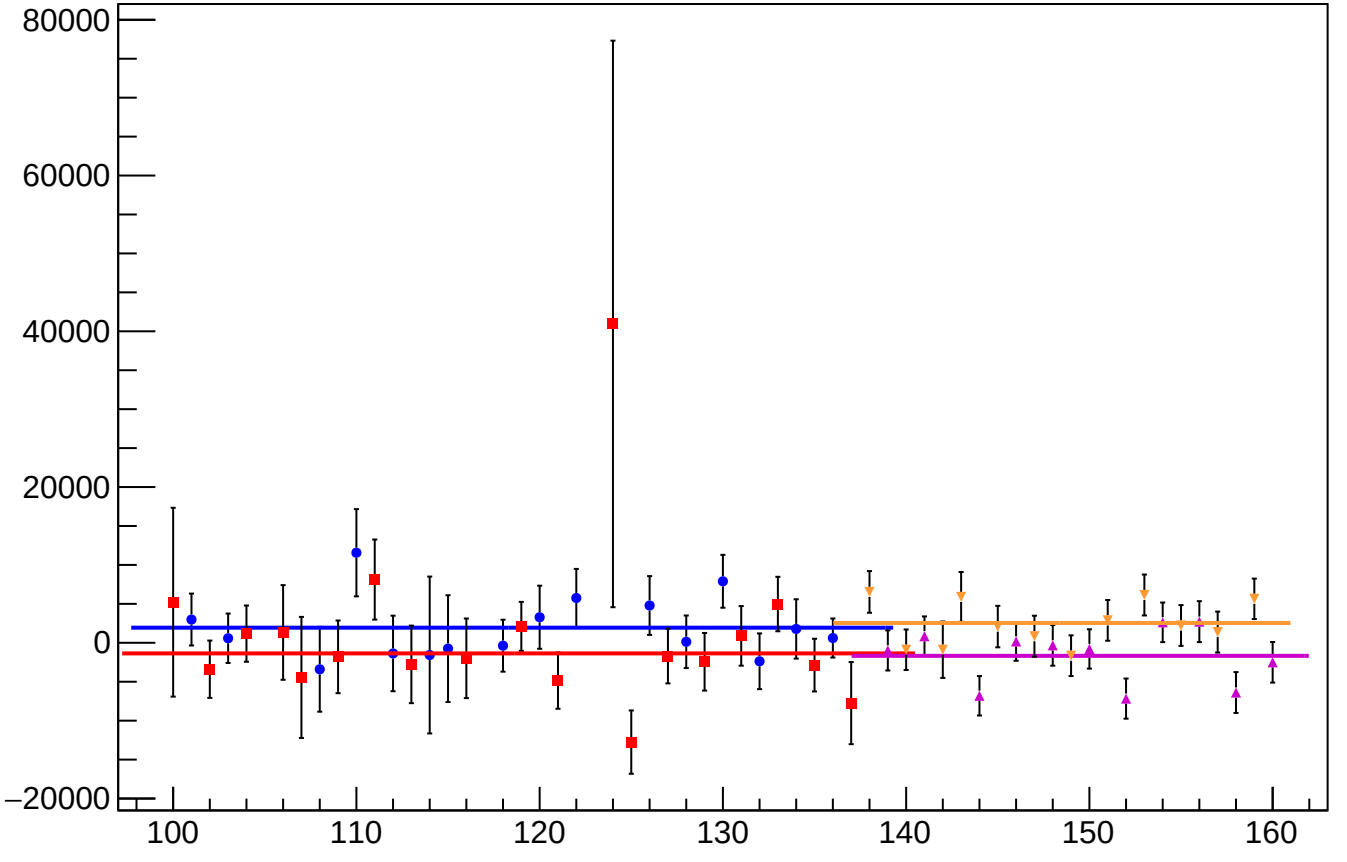
Left In: 788.975+/-0.188 χ^2/NDF:1266532.9/10

+ sign 825.470+/-0.153 χ^2/NDF: 3517904.0/27

All: 834.083+/-0.109 χ^2/NDF: 7368046.5/57

- 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: 2546.734+/-784.808 χ^2/NDF:12.5/11

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

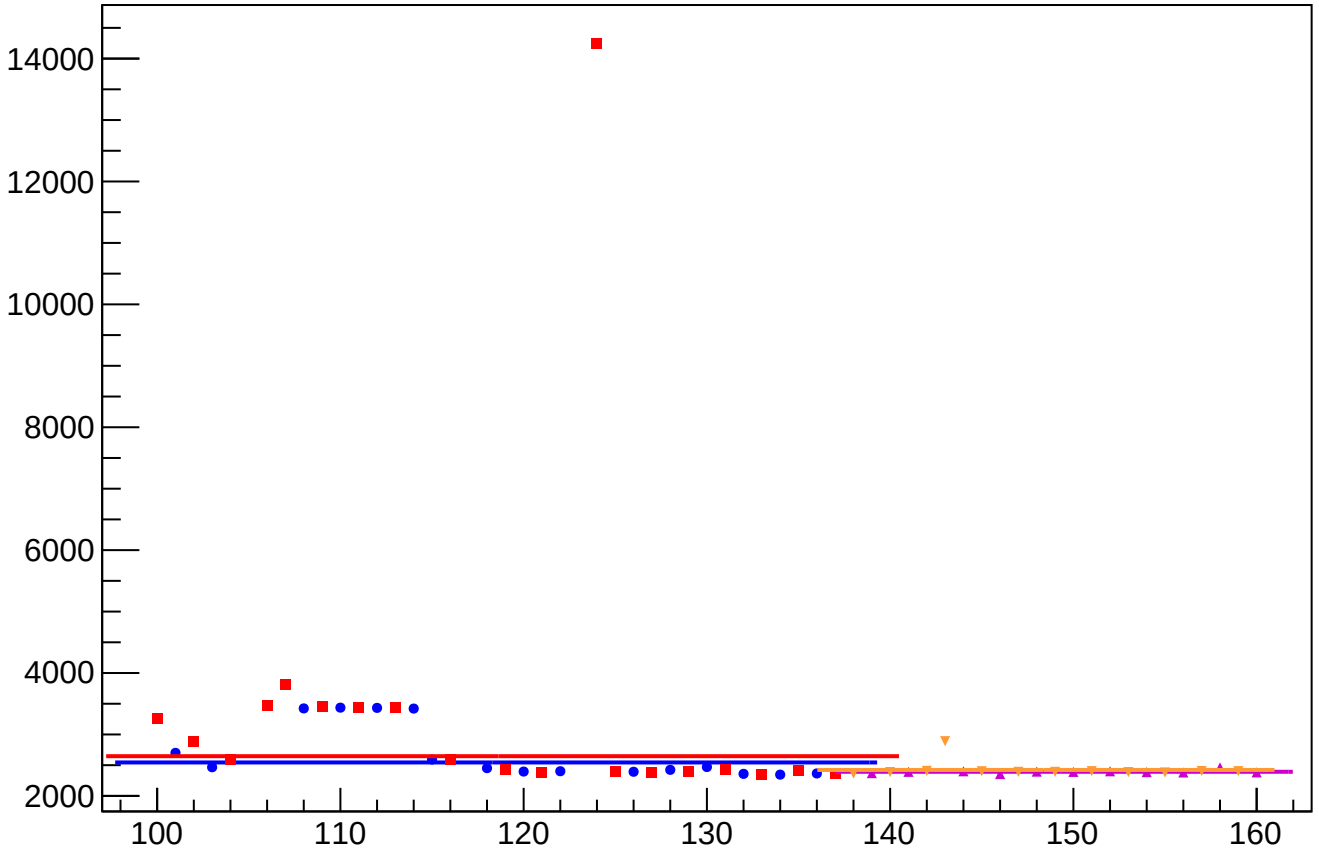
Left In: -1675.722+/-773.857 χ^2/NDF:19.6/10

+ sign 2301.404+/-605.703 χ^2/NDF: 25.0/27

All: 381.732+/-429.324 χ^2/NDF: 86.6/57

- 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: 2422.327+/-0.555 χ^2/NDF:45973.2/11

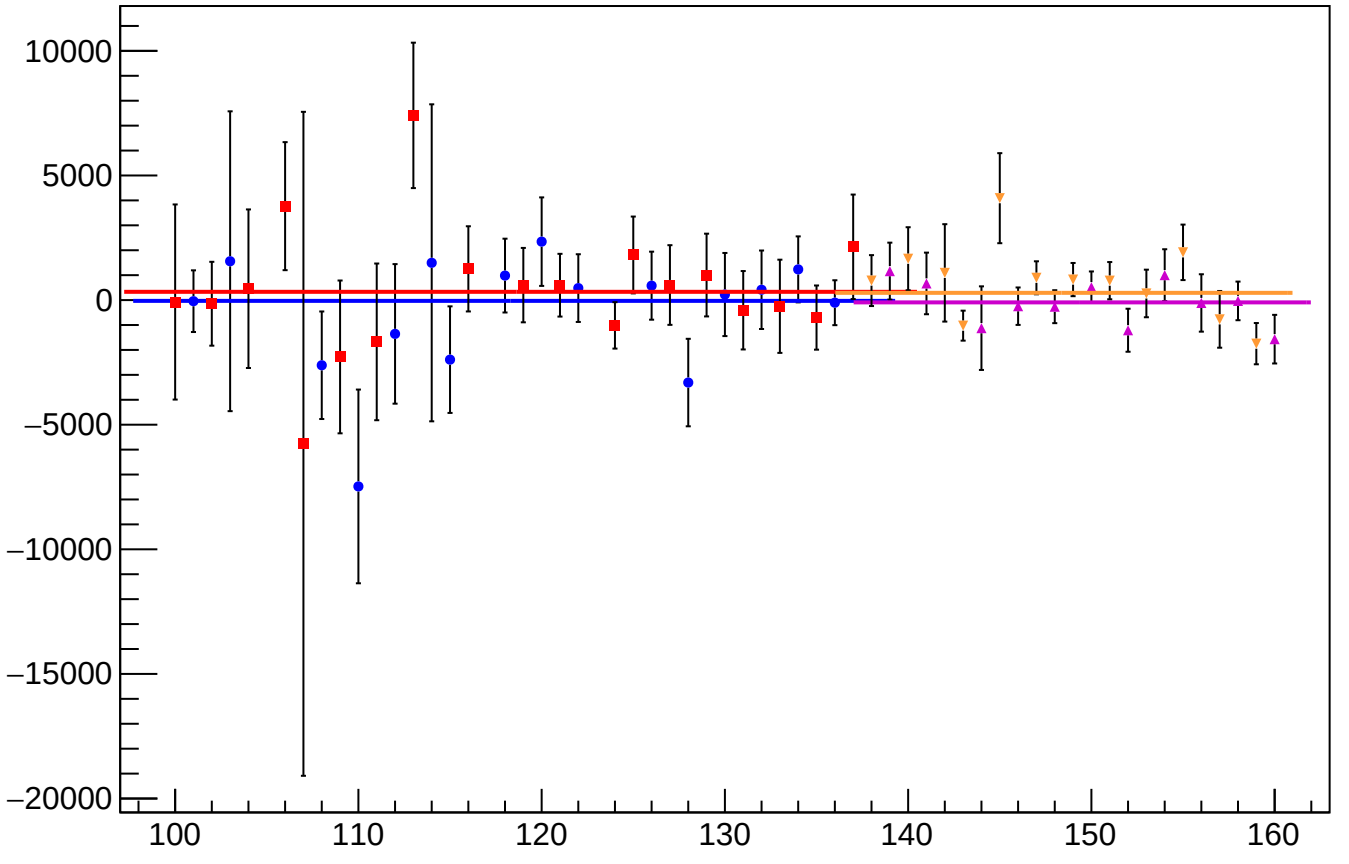
Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2392.549+/-0.547 χ^2/NDF:2171.7/10

+ sign 2471.693+/-0.428 χ^2/NDF: 291158.1/27

All: 2480.458+/-0.304 χ^2/NDF: 915685.5/57

- sign 2489.307+/-0.430 χ^2/NDF: 623685.7/29



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 290.927+/-255.014 χ^2/NDF:21.8/11

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

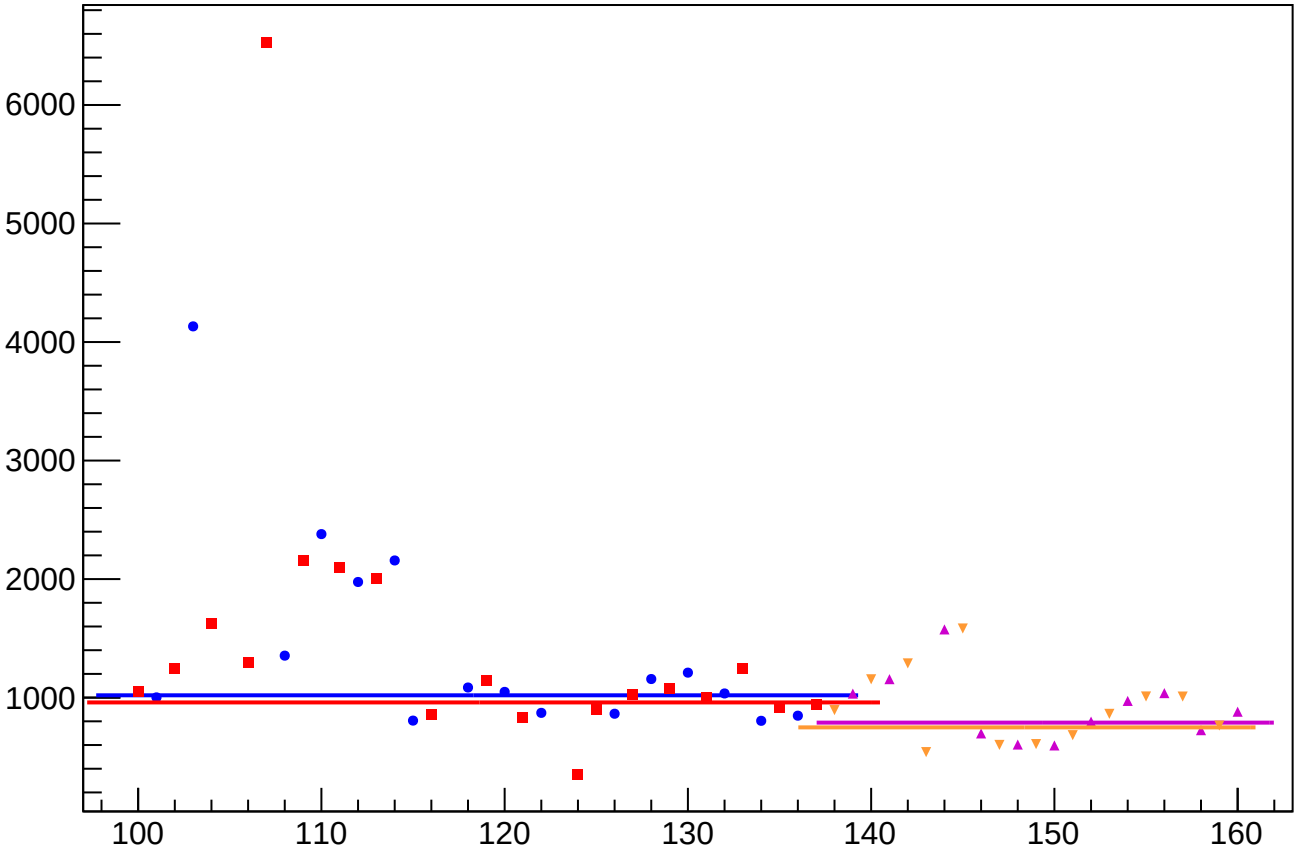
Left In: -92.259+/-266.433 χ^2/NDF:8.1/10

+ sign 199.689+/-215.907 χ^2/NDF: 36.0/27

All: 121.161+/-154.654 χ^2/NDF: 59.5/57

- 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: 748.824+/-0.180 χ^2/NDF:1514890.6/11

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

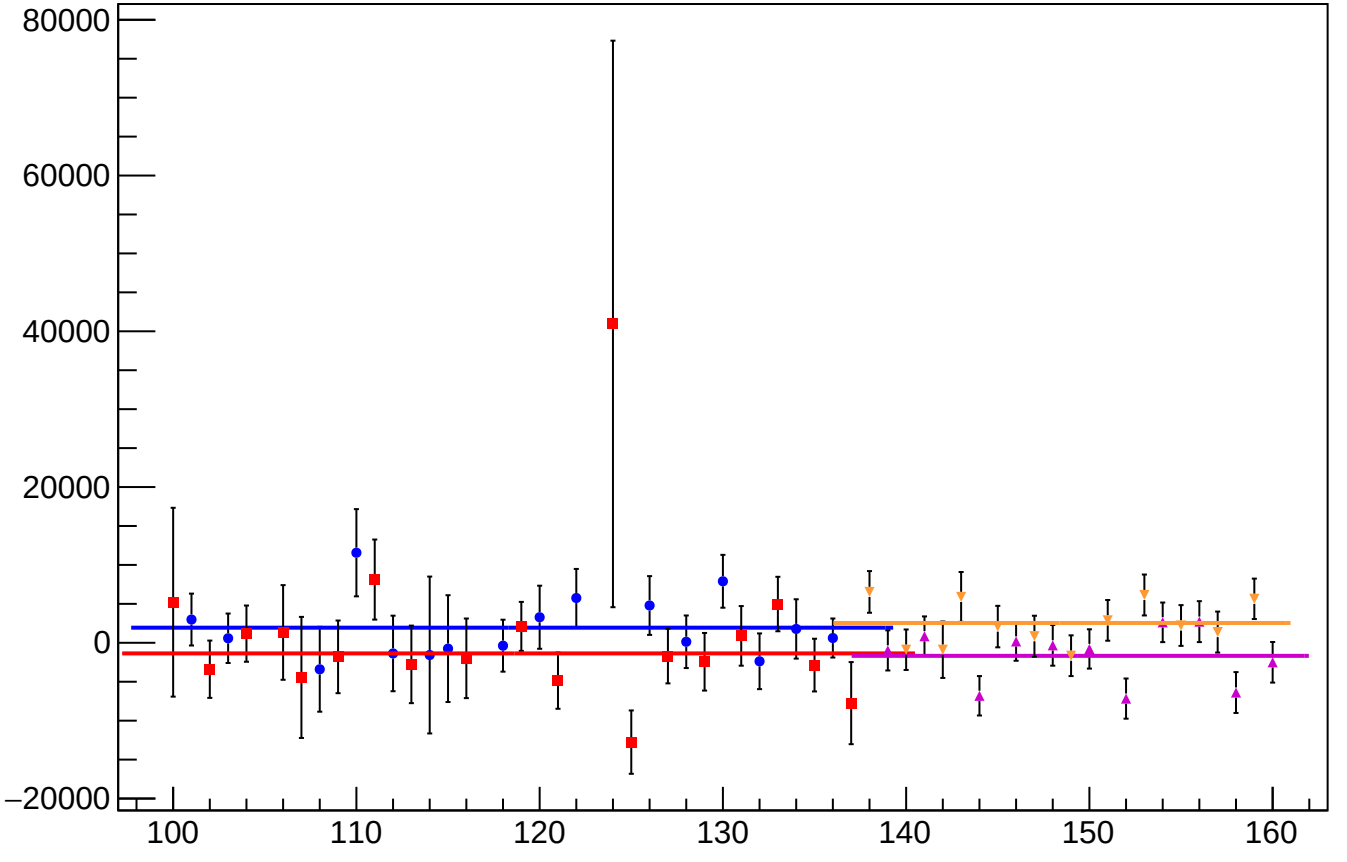
Left In: 788.973+/-0.188 χ^2/NDF:1266649.1/10

+ sign 825.480+/-0.153 χ^2/NDF: 3517779.5/27

All: 833.257+/-0.109 χ^2/NDF: 7386098.5/57

- 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: 2546.734+/-784.808 χ^2/NDF:12.5/11

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

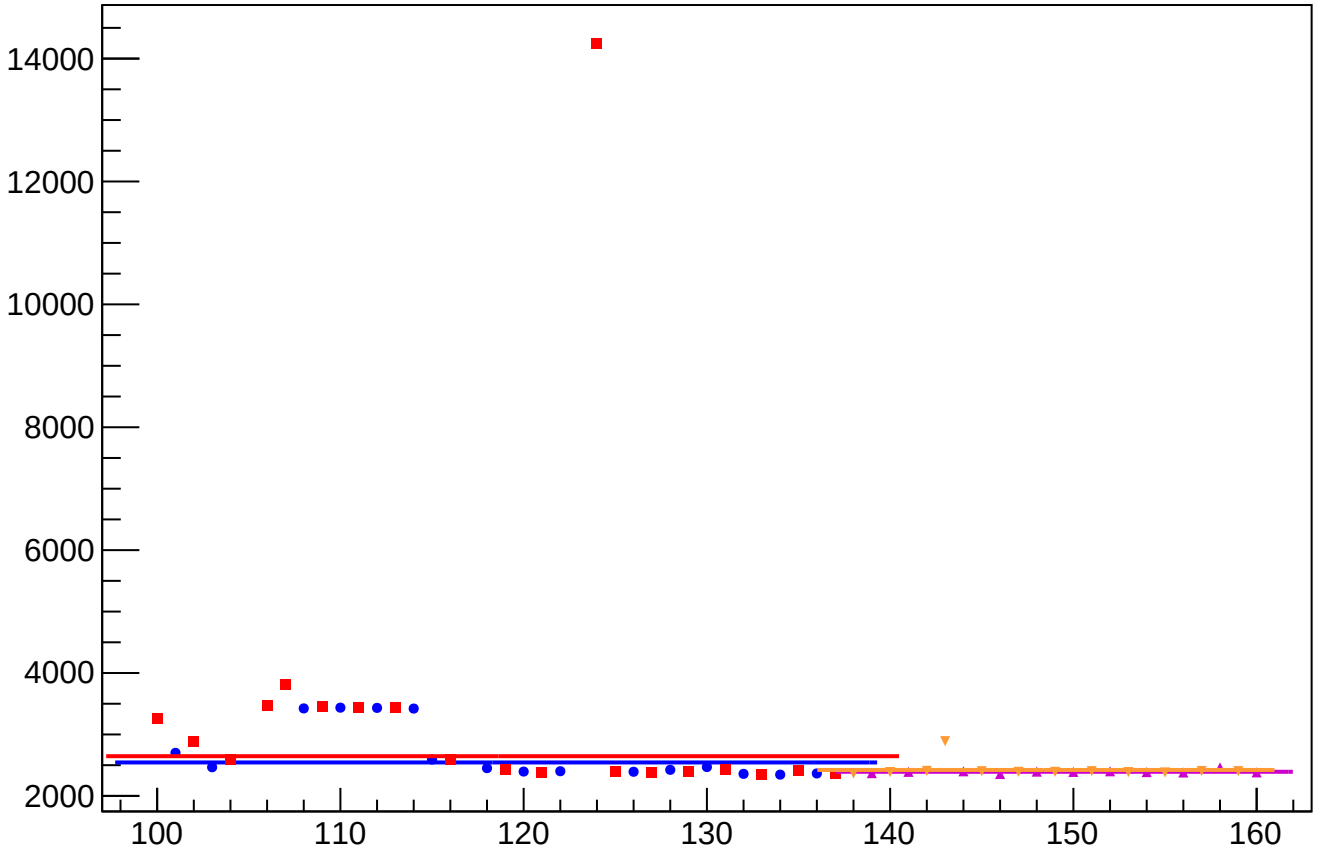
Left In: -1675.722+/-773.857 χ^2/NDF:19.6/10

+ sign 2301.404+/-605.703 χ^2/NDF: 25.0/27

All: 381.732+/-429.324 χ^2/NDF: 86.6/57

- 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: 2422.327+/-0.555 χ^2/NDF:45973.2/11

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

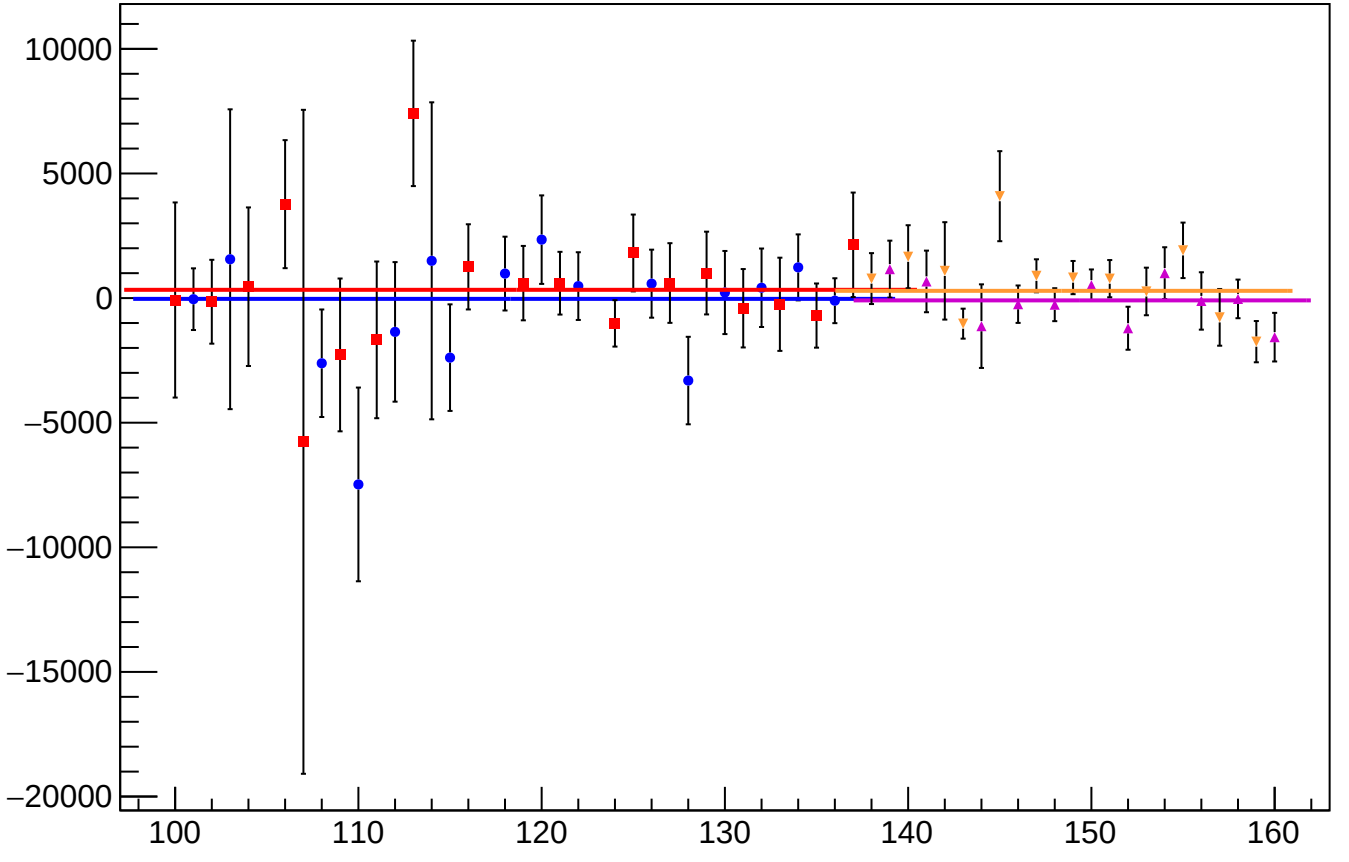
Left In: 2392.549+/-0.547 χ^2/NDF:2171.7/10

+ sign 2471.693+/-0.428 χ^2/NDF: 291158.1/27

All: 2480.458+/-0.304 χ^2/NDF: 915685.5/57

- 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: 290.927+/-255.014 χ^2/NDF:21.8/11

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

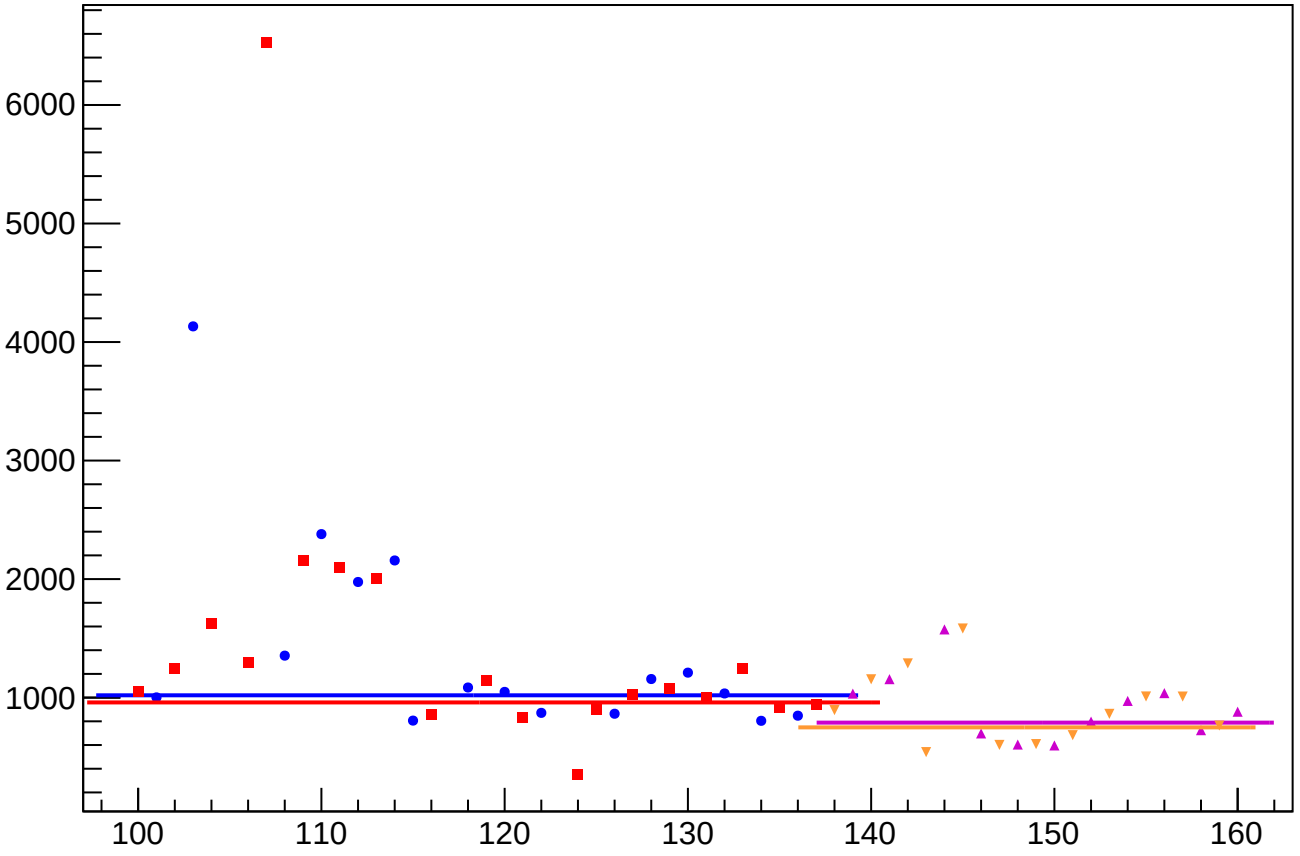
Left In: -92.259+/-266.433 χ^2/NDF:8.1/10

+ sign 199.689+/-215.907 χ^2/NDF: 36.0/27

All: 121.161+/-154.654 χ^2/NDF: 59.5/57

- 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

Left Out: 748.824+/-0.180 χ^2/NDF:1514890.6/11

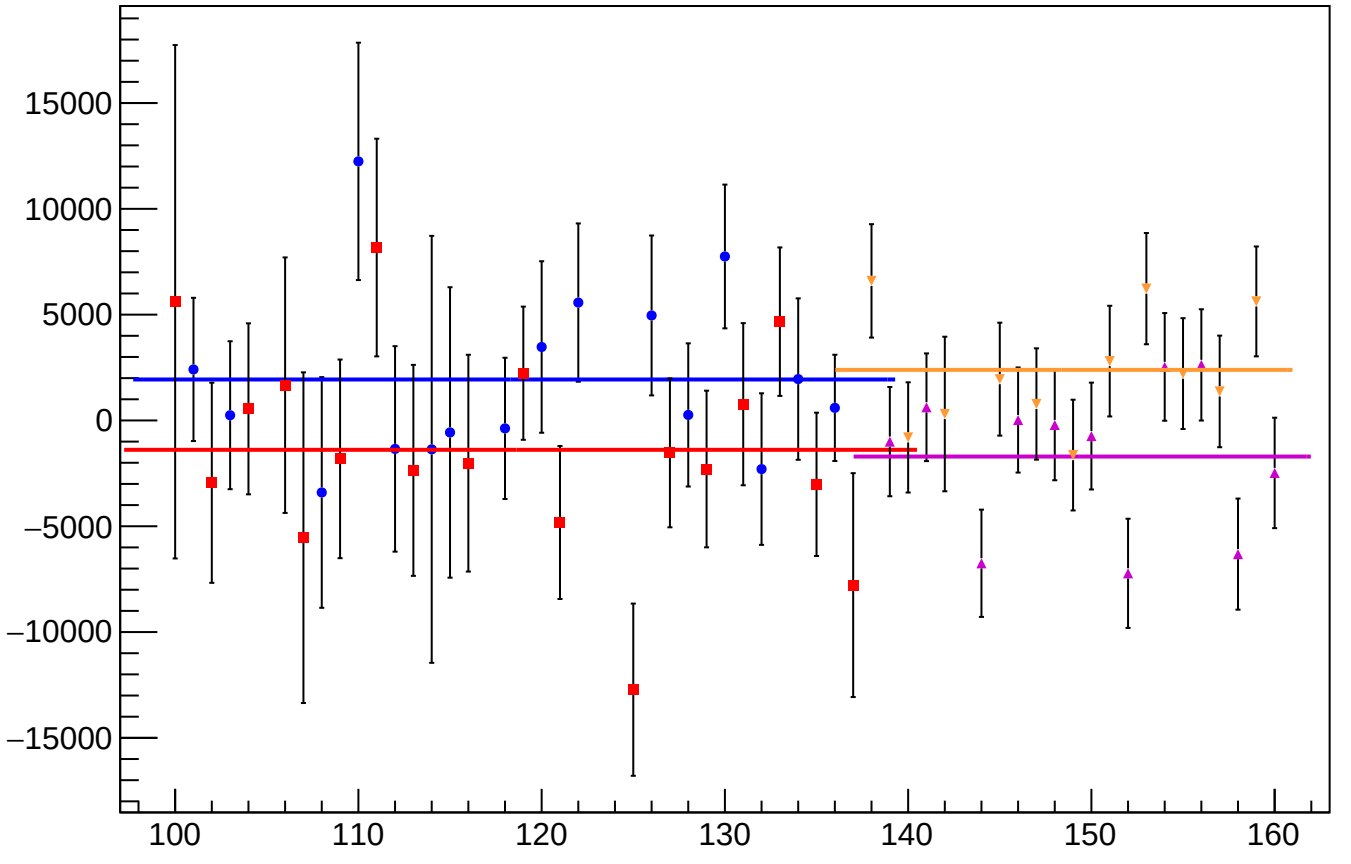
Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 788.973+/-0.188 χ^2/NDF:1266649.1/10

+ sign 825.480+/-0.153 χ^2/NDF: 3517779.5/27

All: 833.257+/-0.109 χ^2/NDF: 7386098.5/57

- 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: 2390.269+/-810.689 χ^2/NDF:10.9/10

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

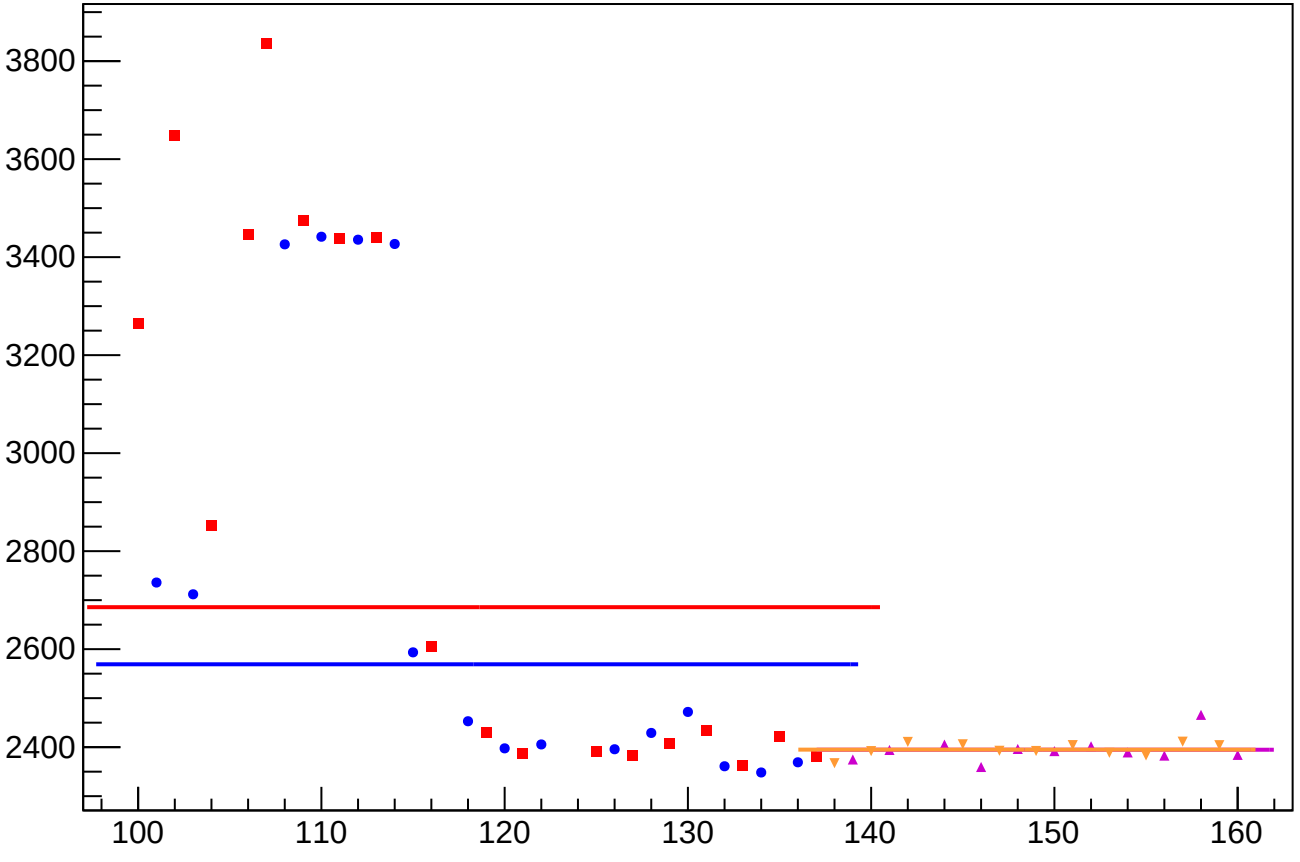
Left In: -1705.988+/-774.574 χ^2/NDF:19.1/10

+ sign 2201.699+/-620.006 χ^2/NDF: 23.4/26

All: 289.782+/-436.427 χ^2/NDF: 81.1/55

- 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: 2394.972+/-0.573 χ^2/NDF:469.1/10

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

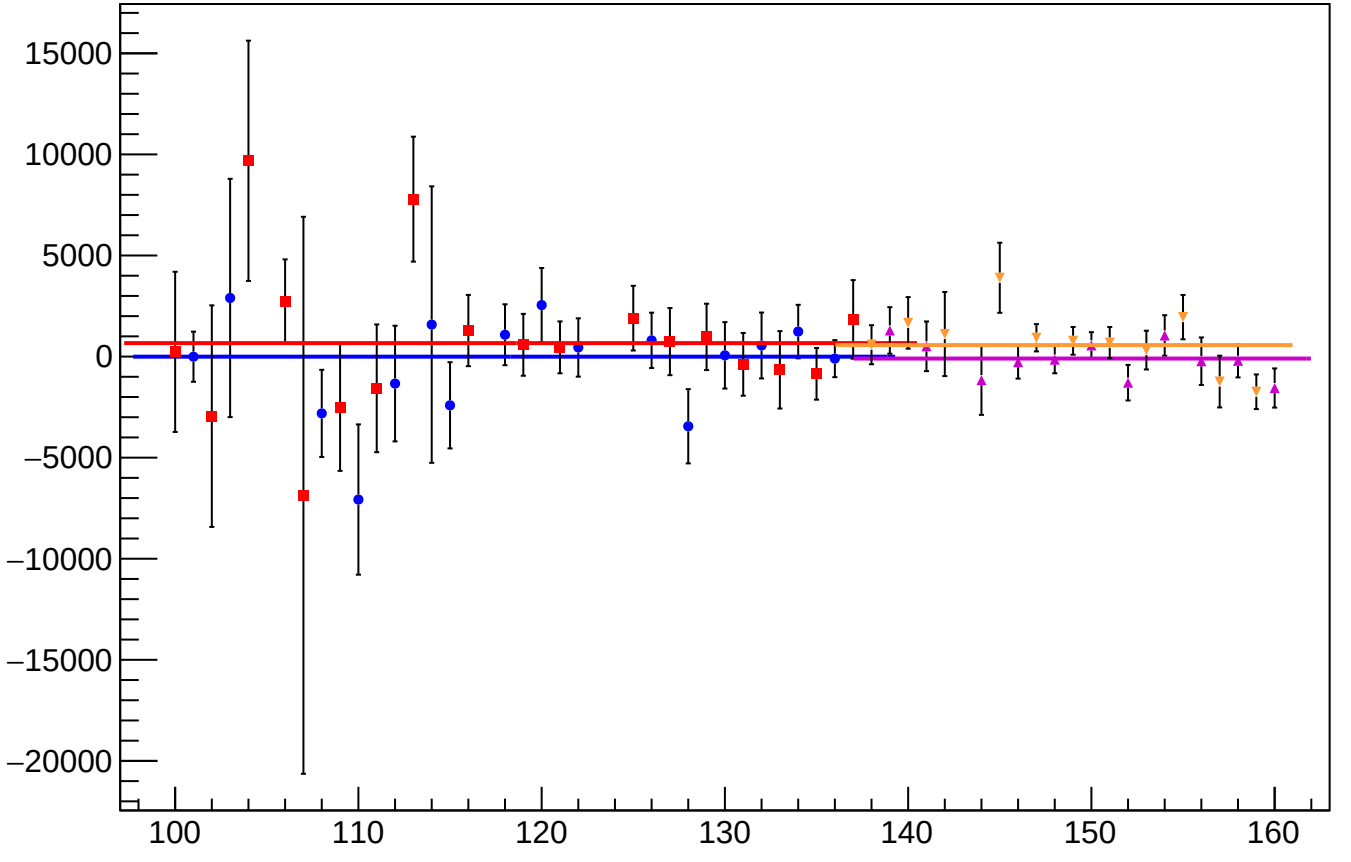
Left In: 2394.750+/-0.548 χ^2/NDF:2127.3/10

+ sign 2467.264+/-0.438 χ^2/NDF: 268270.9/26

All: 2485.096+/-0.309 χ^2/NDF: 797545.2/55

- 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: 568.609+/-287.003 χ^2/NDF:15.8/10

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

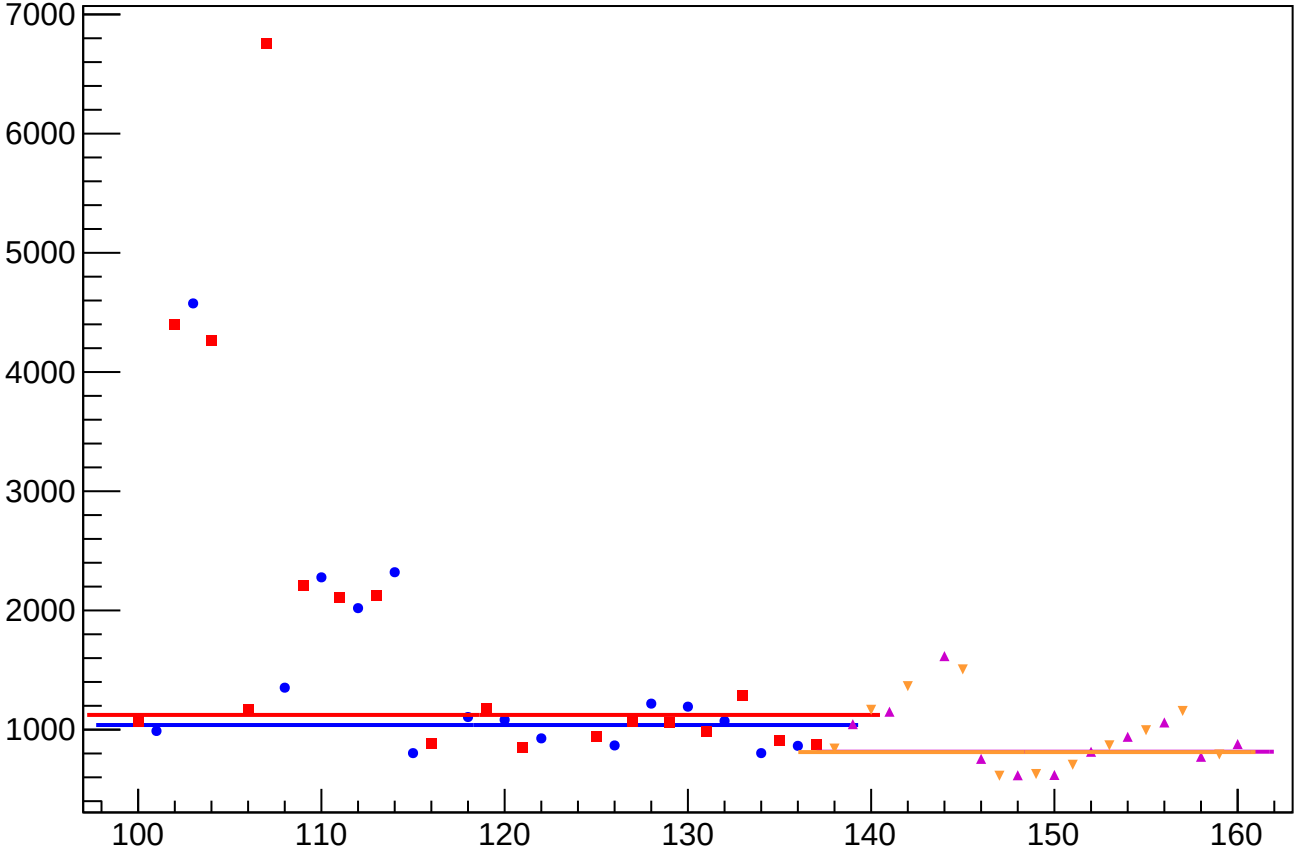
Left In: -97.967+/-273.701 χ^2/NDF:8.6/10

+ sign 381.296+/-235.543 χ^2/NDF: 31.7/26

All: 241.214+/-166.462 χ^2/NDF: 57.3/55

- 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: 811.816+/-0.203 χ^2/NDF:1181611.9/10

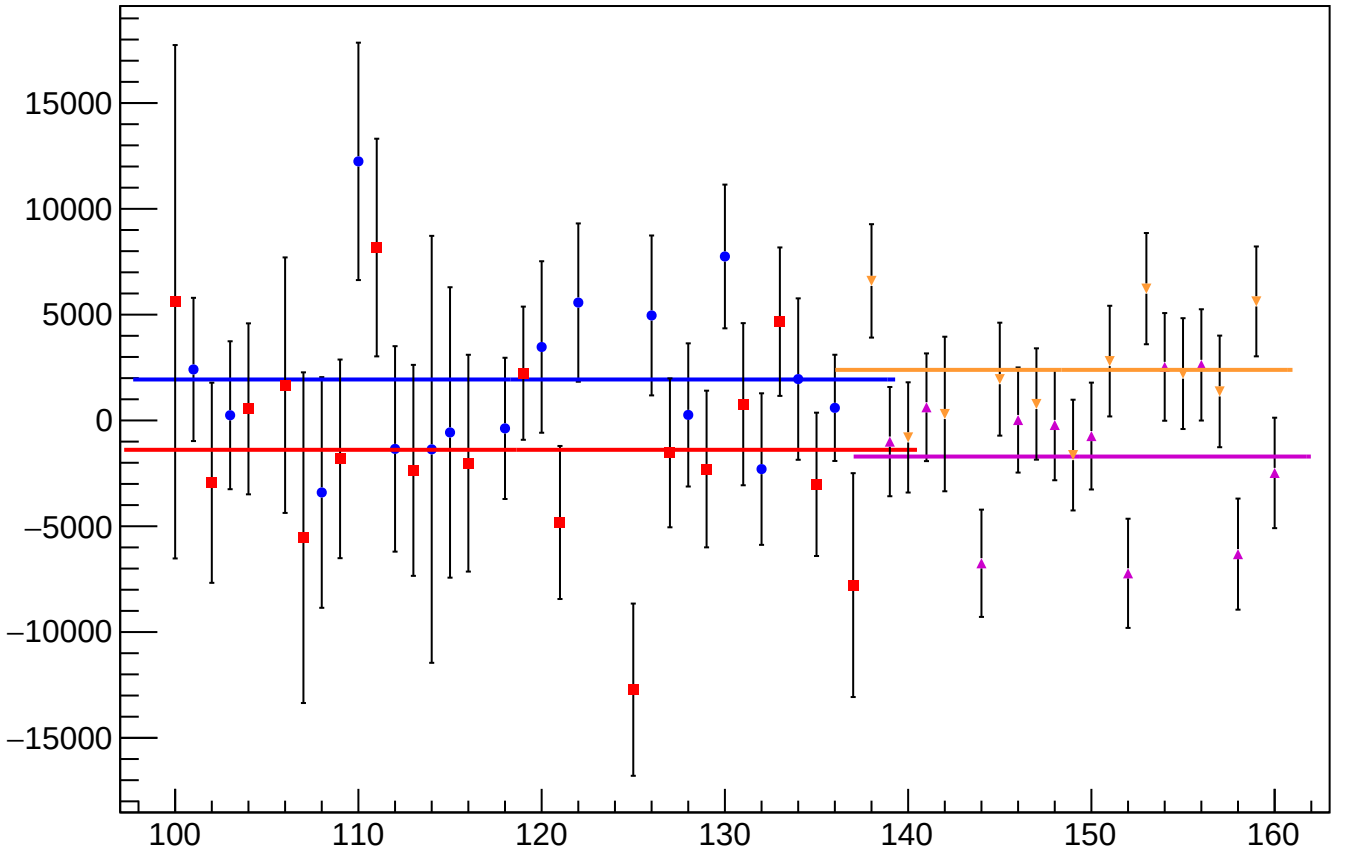
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 814.860+/-0.194 χ^2/NDF:1158782.2/10

+ sign 885.917+/-0.167 χ^2/NDF: 3129739.0/26

All: 890.673+/-0.118 χ^2/NDF: 7489412.1/55

- 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: 2390.269+/-810.689 χ^2/NDF:10.9/10

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

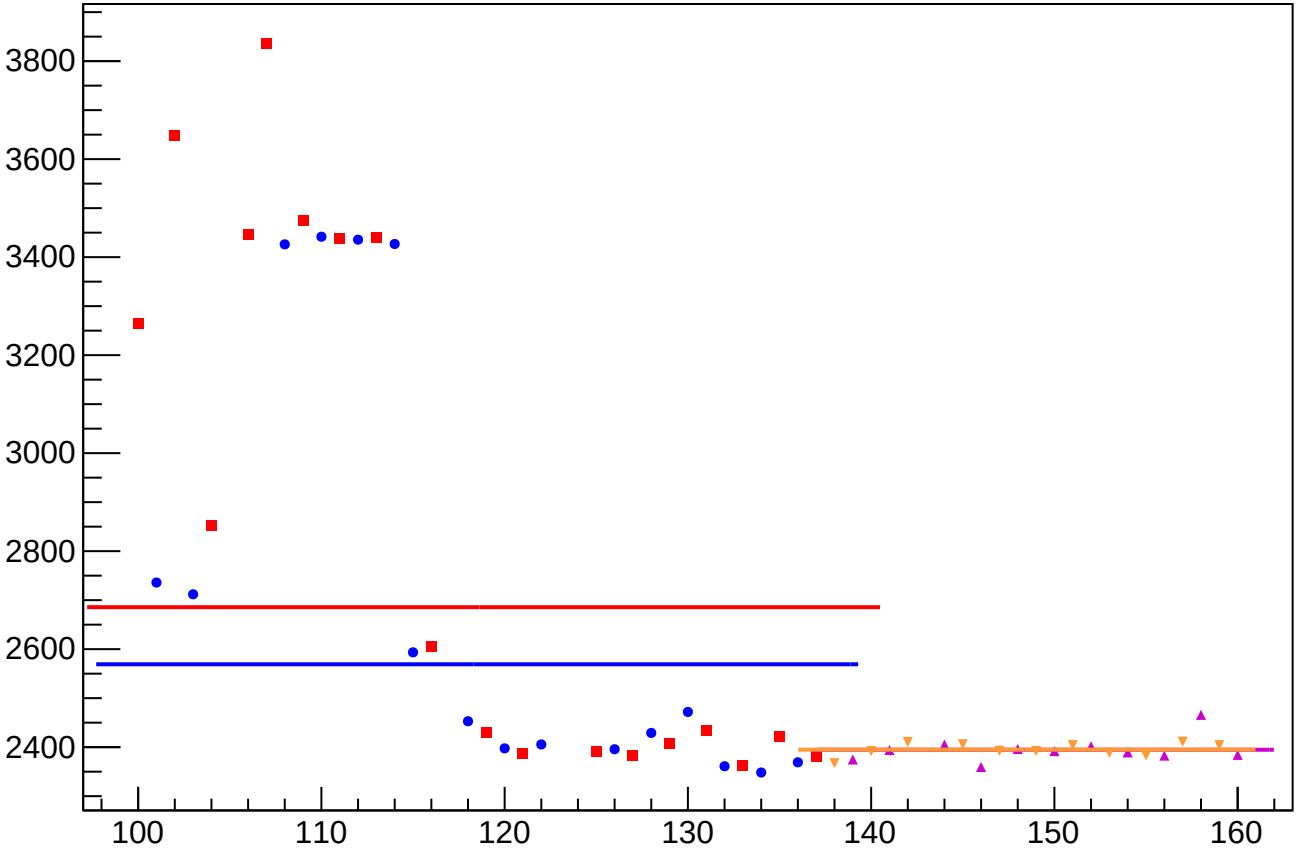
Left In: -1705.988+/-774.574 χ^2/NDF:19.1/10

+ sign 2201.698+/-620.006 χ^2/NDF: 23.4/26

All: 289.782+/-436.427 χ^2/NDF: 81.1/55

- 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: 2394.972+/-0.573 χ^2/NDF:469.1/10

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

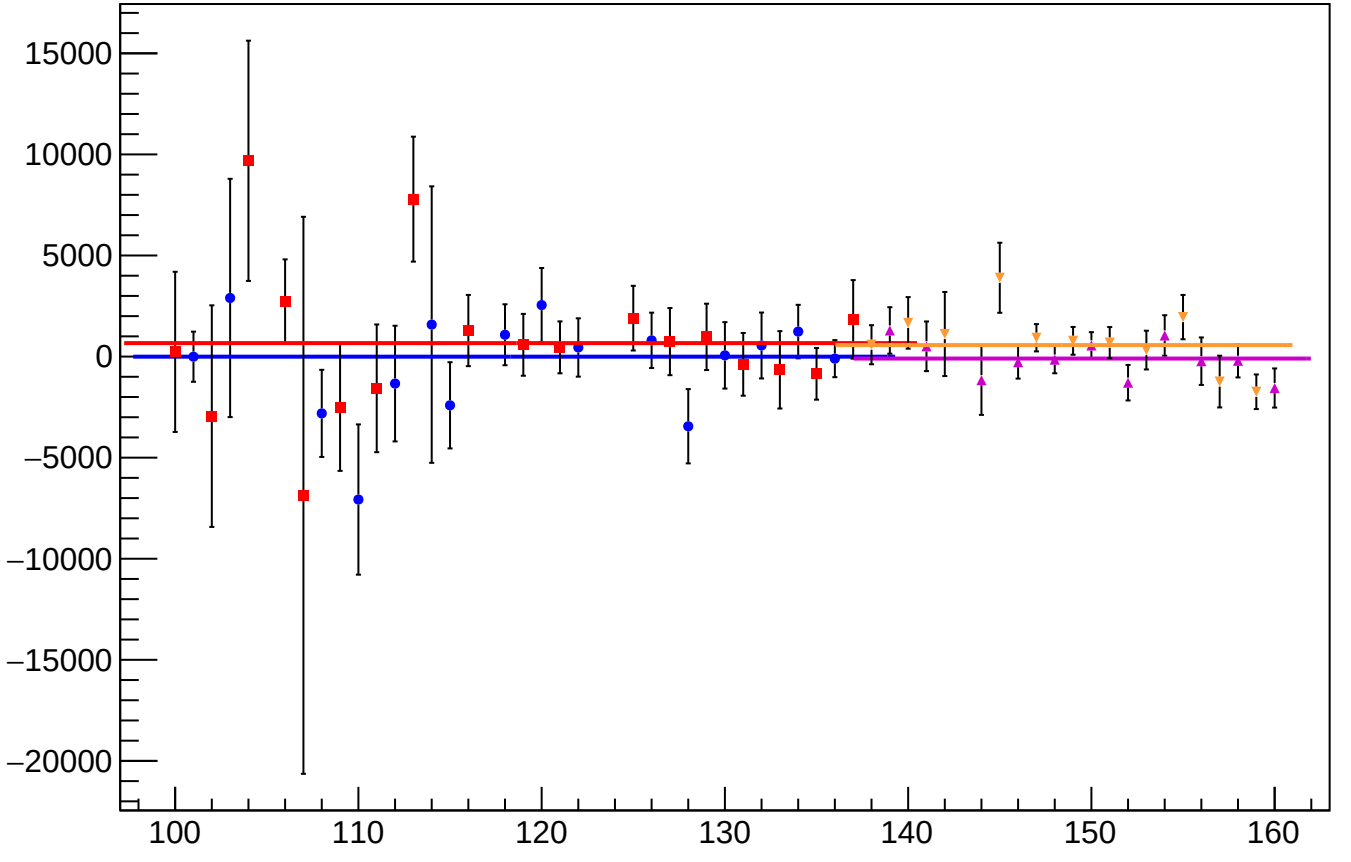
Left In: 2394.750+/-0.548 χ^2/NDF:2127.3/10

+ sign 2467.264+/-0.438 χ^2/NDF: 268270.5/26

All: 2485.096+/-0.309 χ^2/NDF: 797543.9/55

- sign 2502.609+/-0.434 χ^2/NDF: 525994.2/28

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 568.608+/-287.004 χ^2/NDF:15.8/10

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

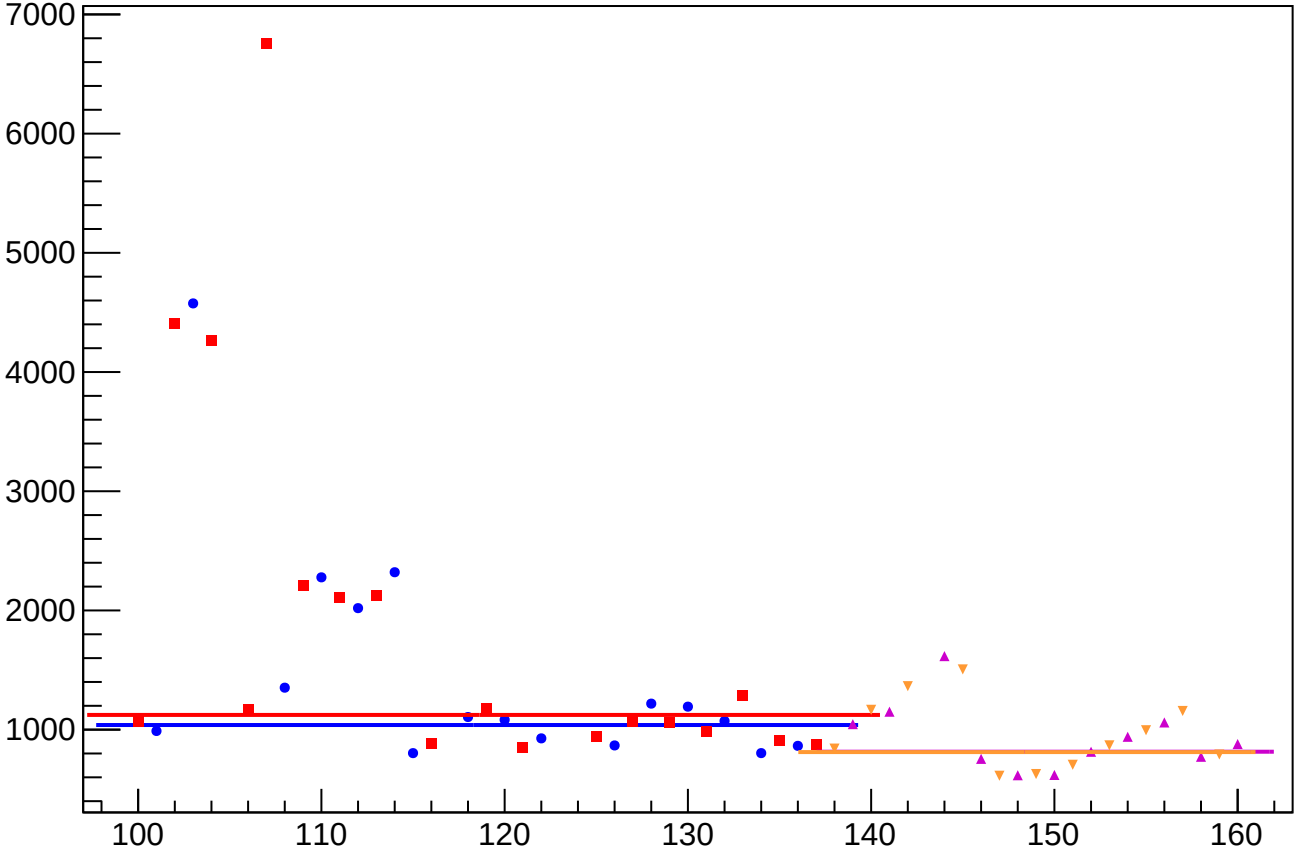
Left In: -97.968+/-273.702 χ^2/NDF:8.6/10

+ sign 381.294+/-235.543 χ^2/NDF: 31.7/26

All: 241.213+/-166.462 χ^2/NDF: 57.3/55

- 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: 811.817+/-0.203 χ^2/NDF:1181609.6/10

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

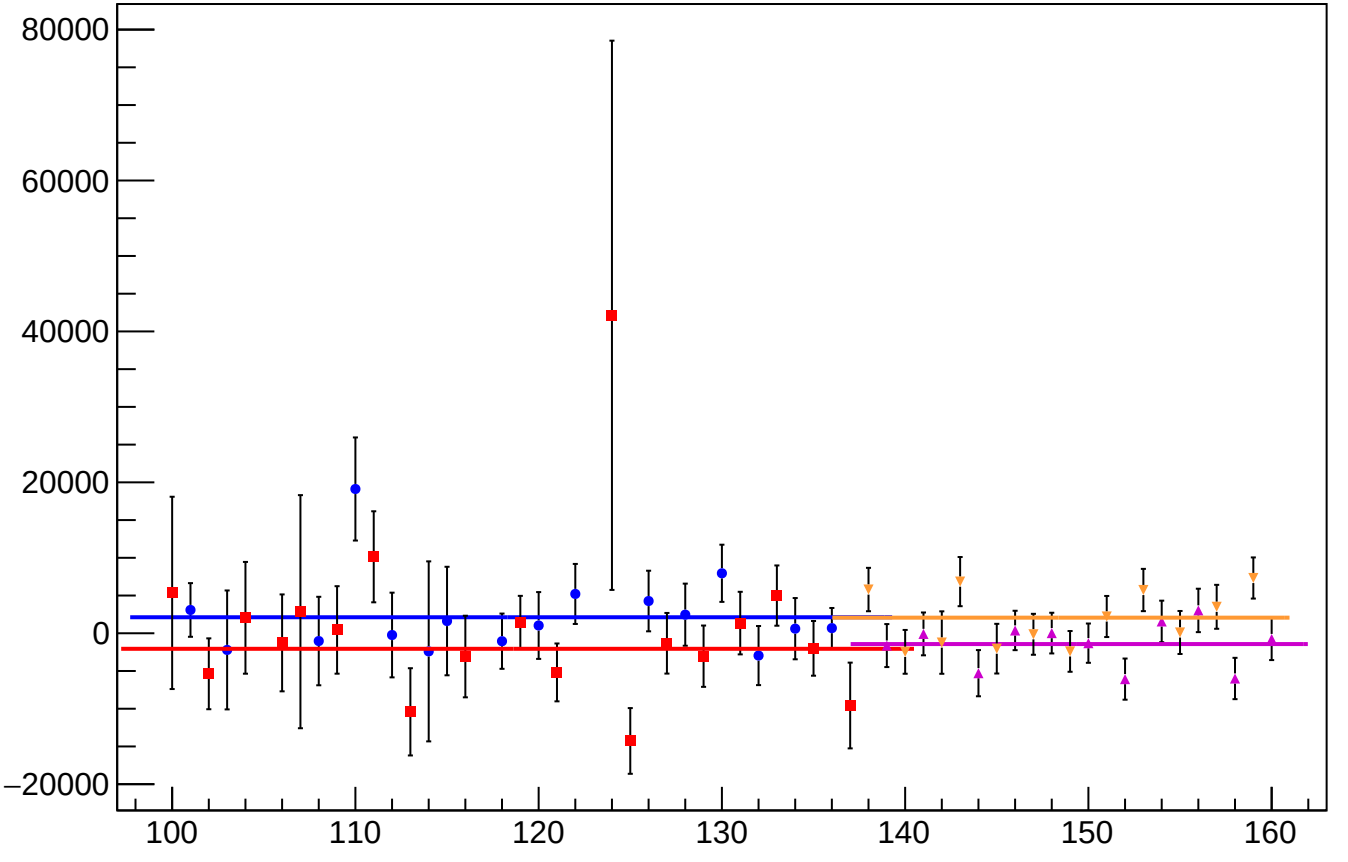
Left In: 814.861+/-0.194 χ^2/NDF:1158780.0/10

+ sign 885.918+/-0.167 χ^2/NDF: 3129727.5/26

All: 890.674+/-0.118 χ^2/NDF: 7489389.7/55

- sign 895.420+/-0.166 χ^2/NDF: 4358033.2/28

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 2068.187+/-846.484 χ^2/NDF:18.0/11

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

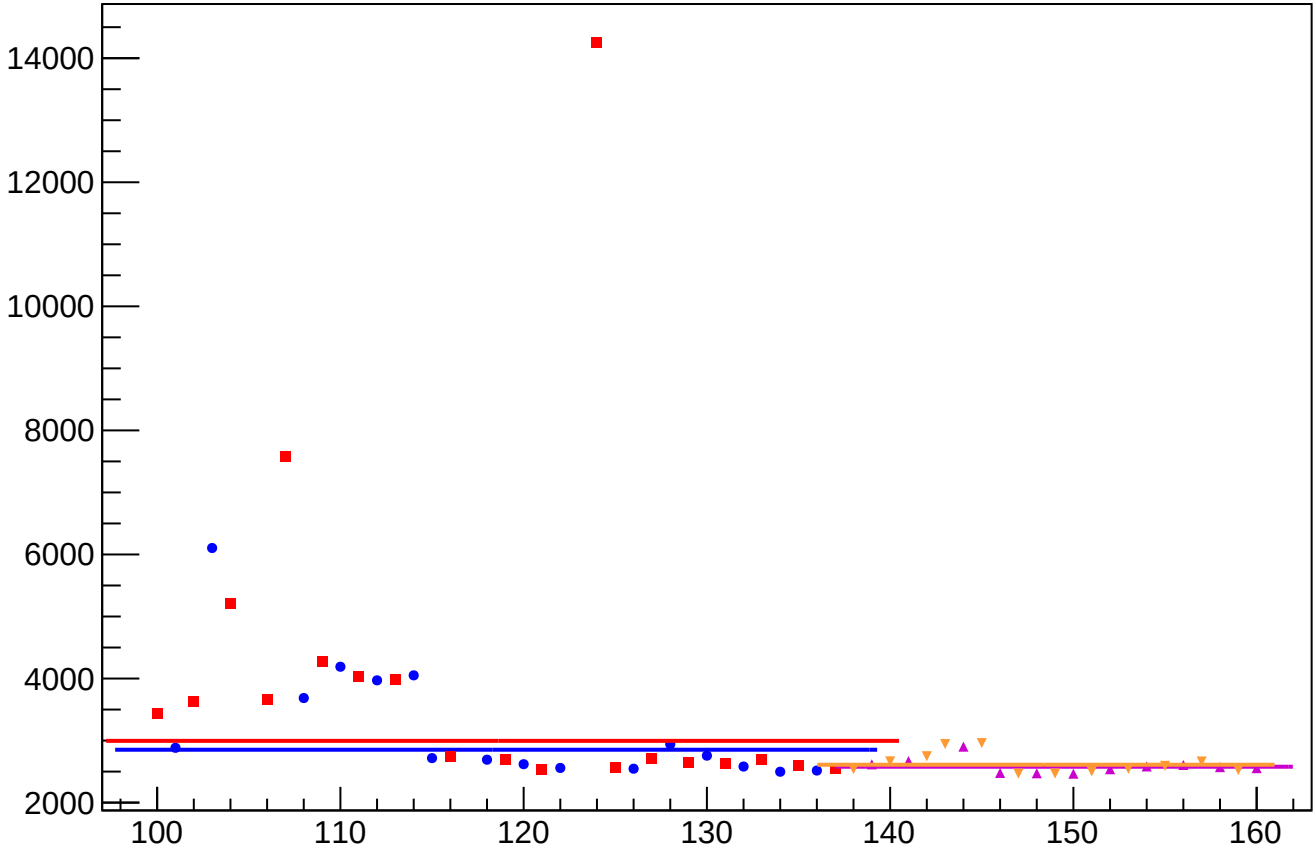
Left In: -1430.335+/-834.894 χ^2/NDF:11.9/10

+ sign 2088.552+/-667.330 χ^2/NDF: 31.4/27

All: 234.421+/-473.835 χ^2/NDF: 83.4/57

- 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: 2610.501+/-0.599 χ^2/NDF:65325.8/11

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

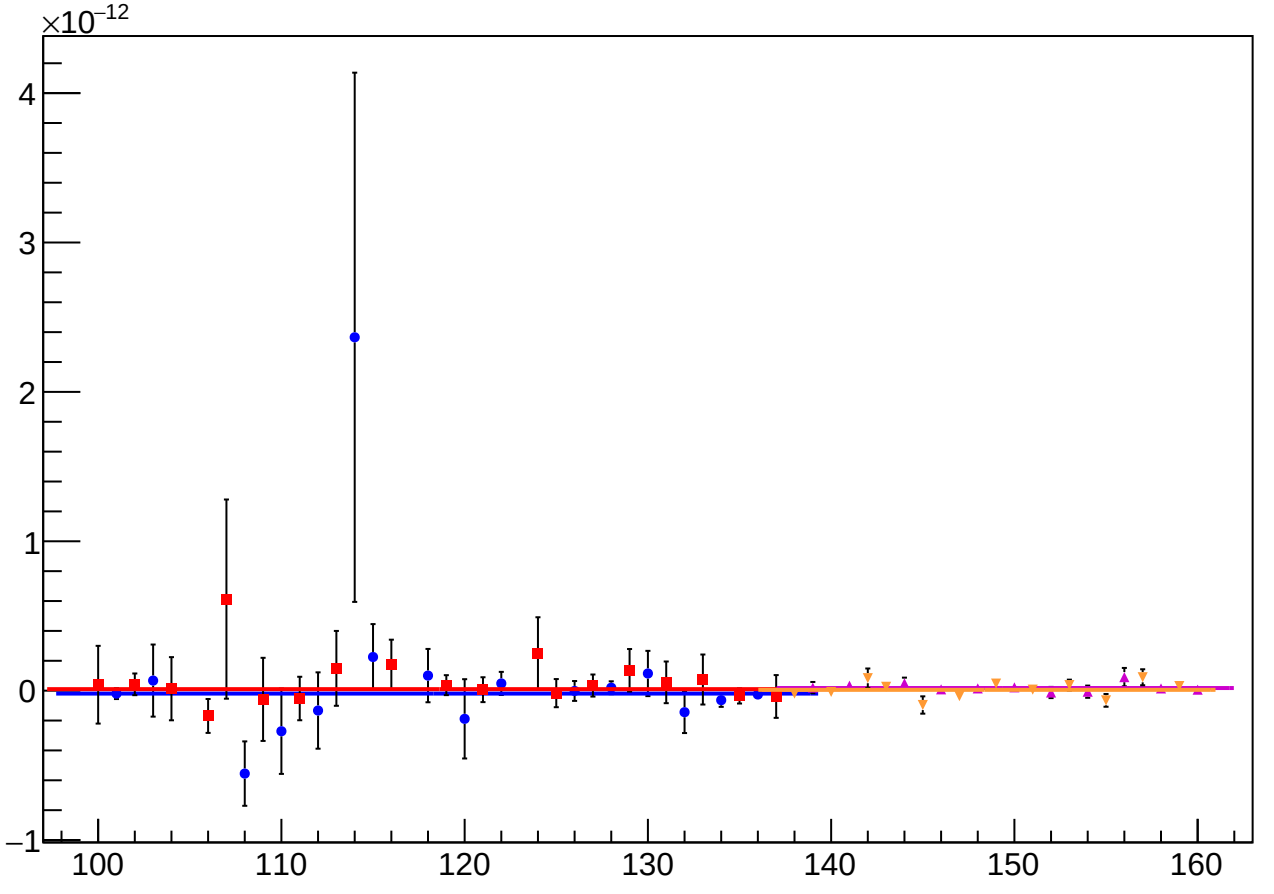
Left In: 2578.283+/-0.590 χ^2/NDF:35305.8/10

+ sign 2701.986+/-0.472 χ^2/NDF: 775760.8/27

All: 2713.138+/-0.335 χ^2/NDF: 1966382.8/57

- 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:19.5/11

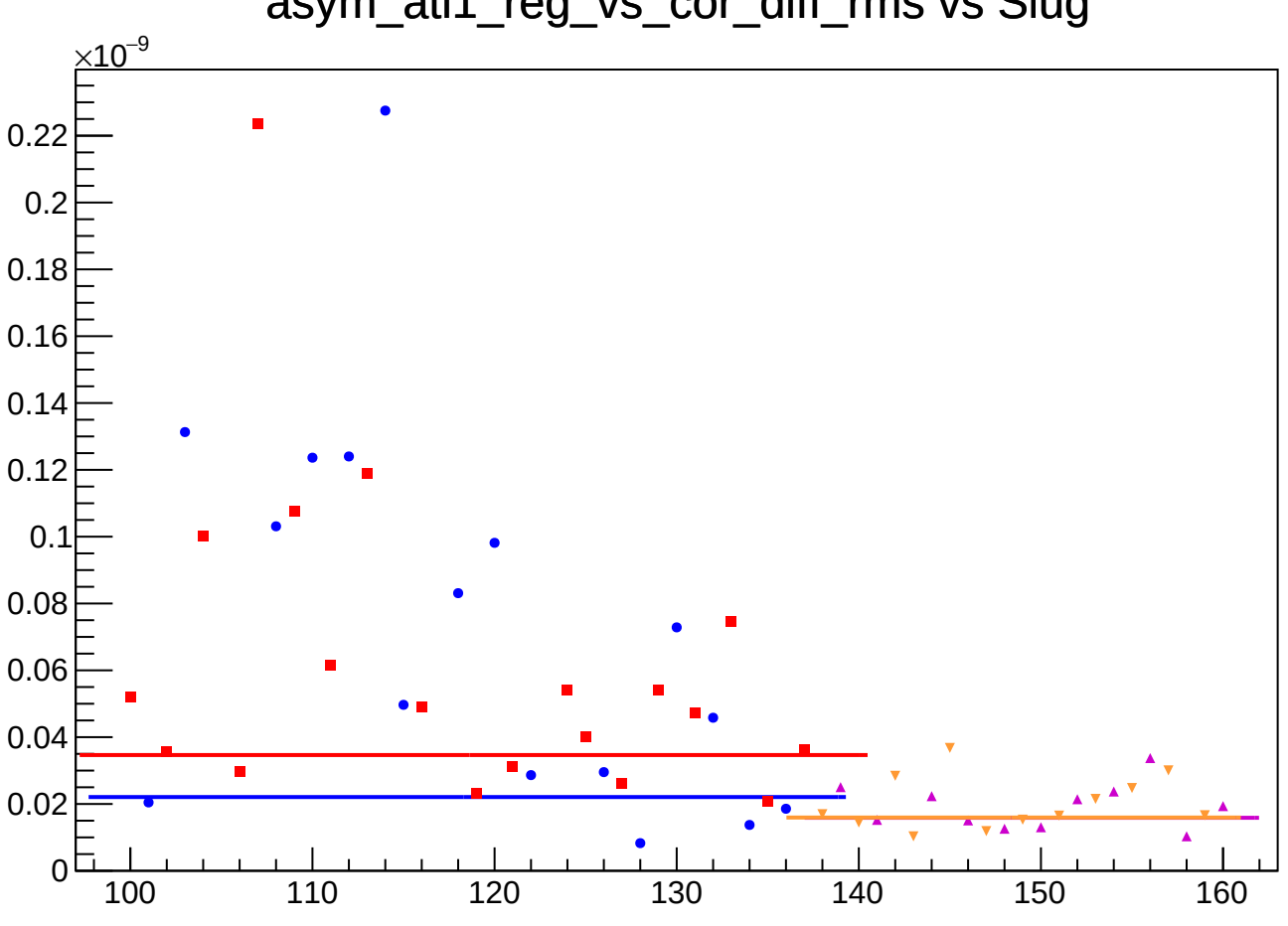
Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 36.6/27

All: 0.000+/-0.000 χ^2/NDF: 50.7/57

- sign 0.000+/-0.000 χ^2/NDF: 12.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:852891.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

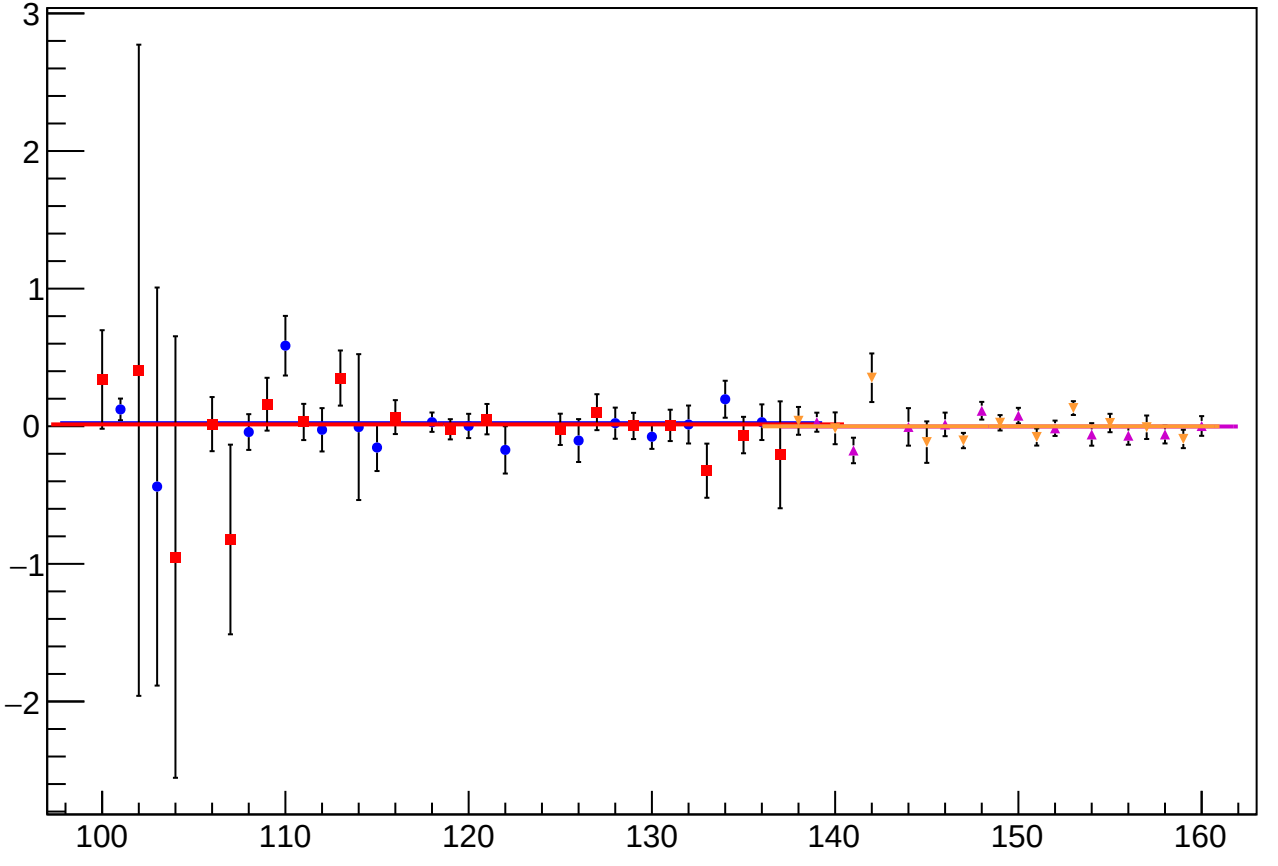
Left In: 0.000+/-0.000 χ^2/NDF:721834.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 3402112.3/27

All: 0.000+/-0.000 χ^2/NDF: 6423258.8/57

- 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: -0.000+/-0.022 χ^2/NDF:19.0/10

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

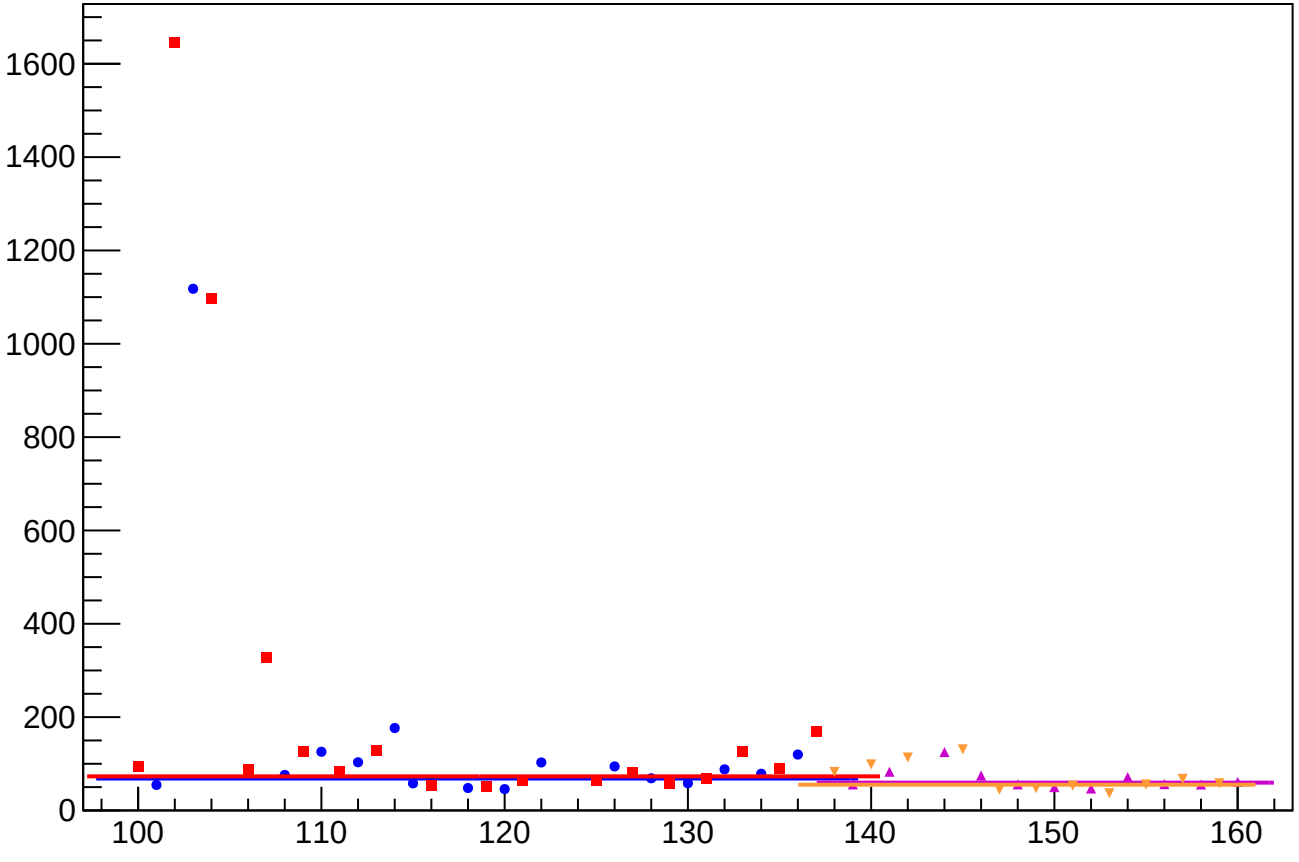
Left In: -0.002+/-0.021 χ^2/NDF:11.2/10

+ sign 0.007+/-0.018 χ^2/NDF: 34.1/26

All: 0.005+/-0.013 χ^2/NDF: 56.4/55

- 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: 55.195+/-0.015 χ^2/NDF:1570020.4/10

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

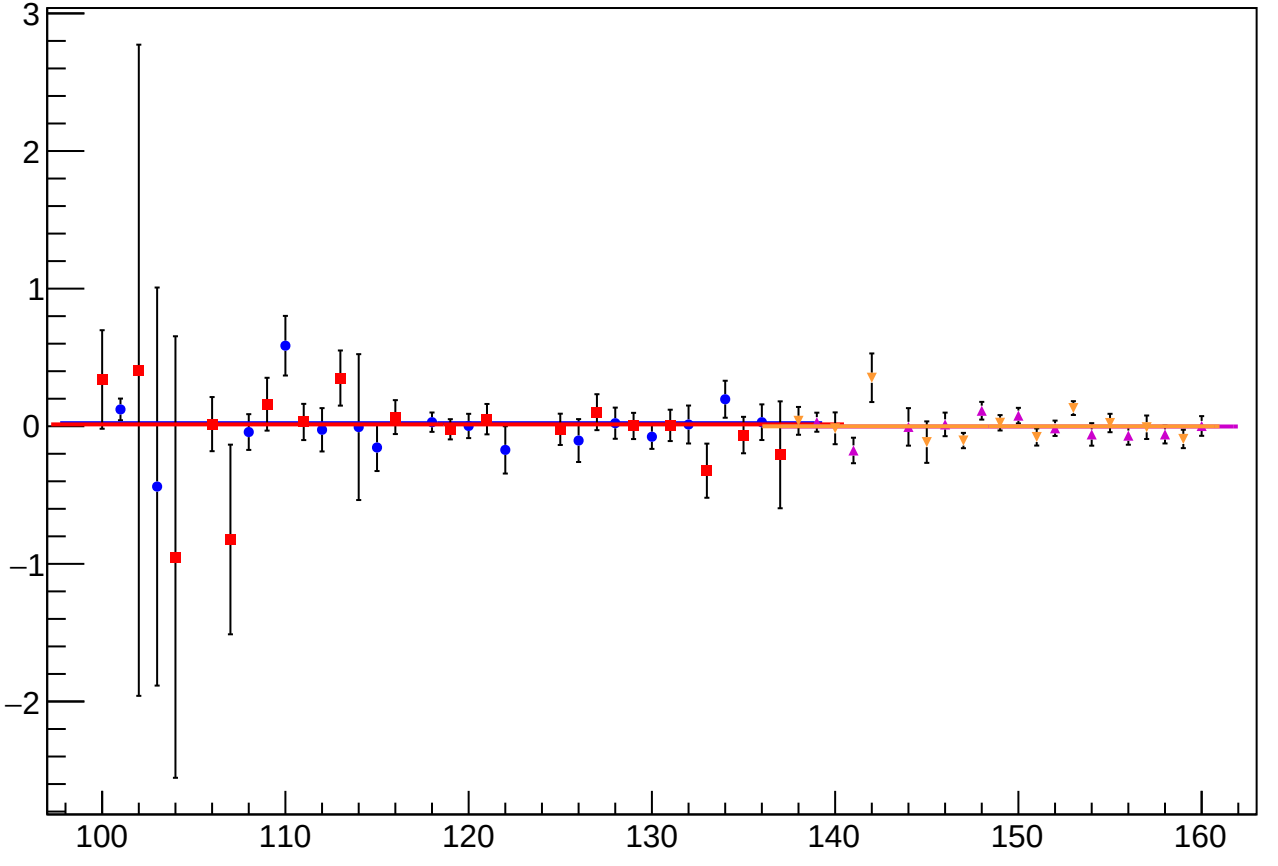
Left In: 59.620+/-0.015 χ^2/NDF:879649.8/10

+ sign 59.700+/-0.012 χ^2/NDF: 4102281.3/26

All: 61.560+/-0.009 χ^2/NDF: 8170472.3/55

- 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: -0.000+/-0.022 χ^2/NDF:19.0/10

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

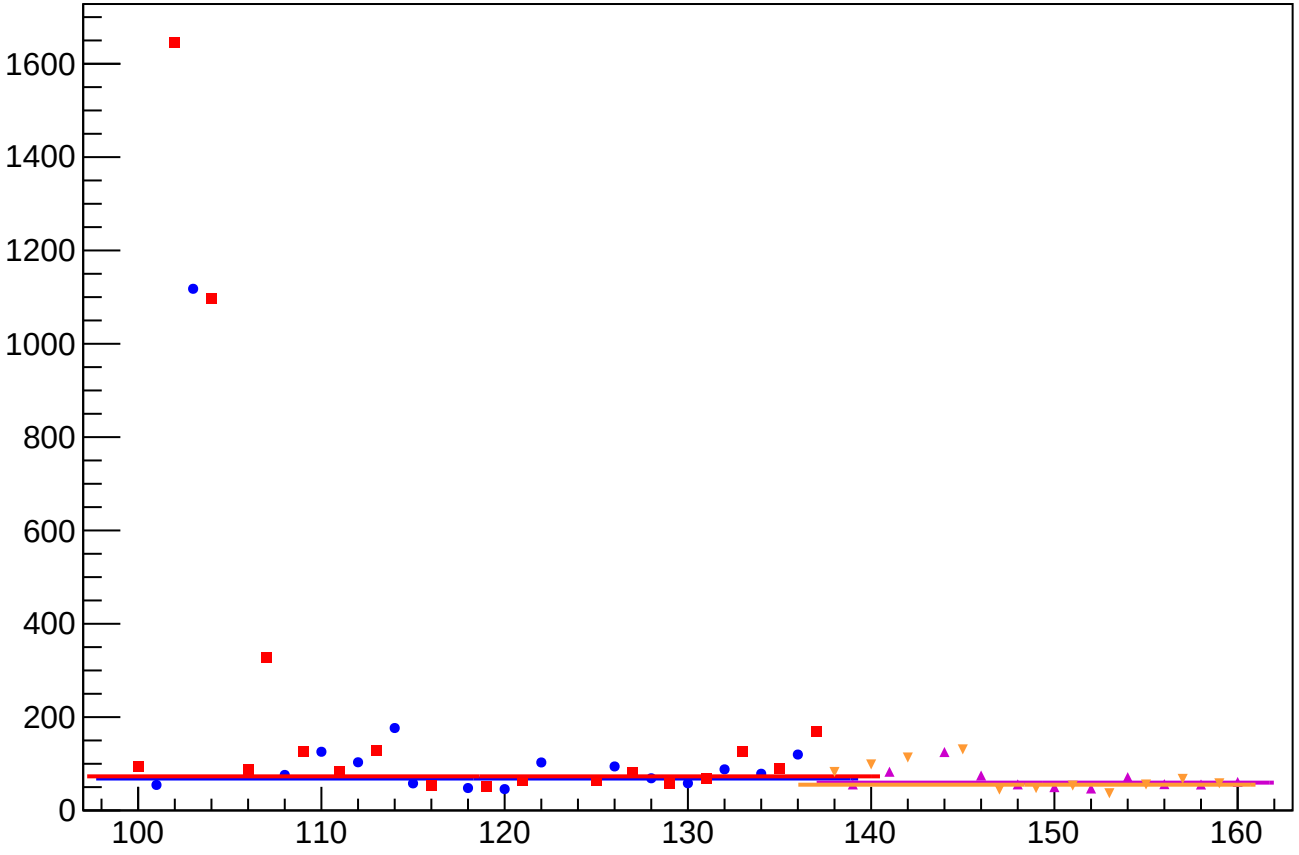
Left In: -0.002+/-0.021 χ^2/NDF:11.2/10

+ sign 0.007+/-0.018 χ^2/NDF: 34.1/26

All: 0.005+/-0.013 χ^2/NDF: 56.4/55

- 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: 55.195+/-0.015 χ^2/NDF:1570020.4/10

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

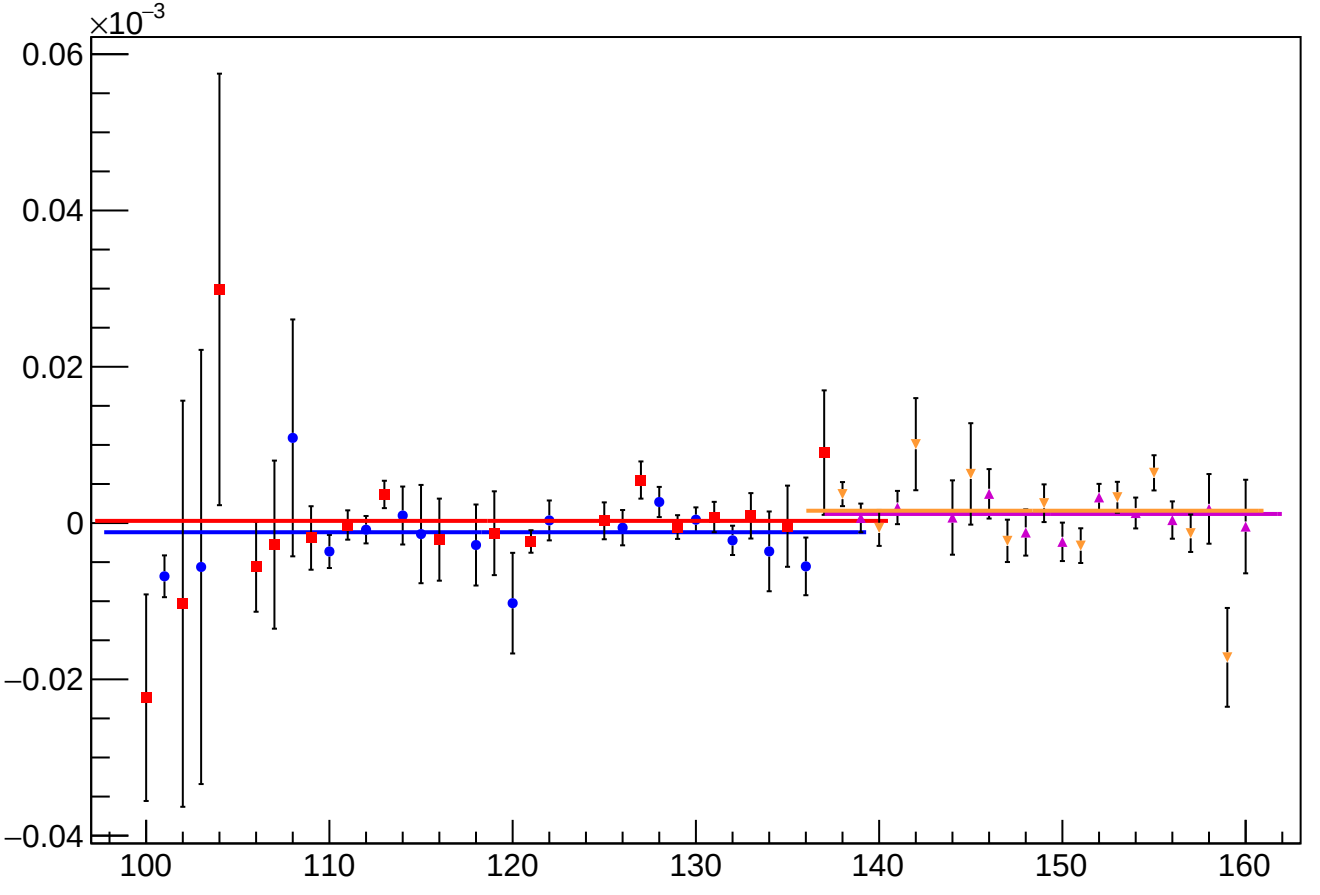
Left In: 59.620+/-0.015 χ^2/NDF:879649.8/10

+ sign 59.700+/-0.012 χ^2/NDF: 4102281.3/26

All: 61.560+/-0.009 χ^2/NDF: 8170472.3/55

- 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:27.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

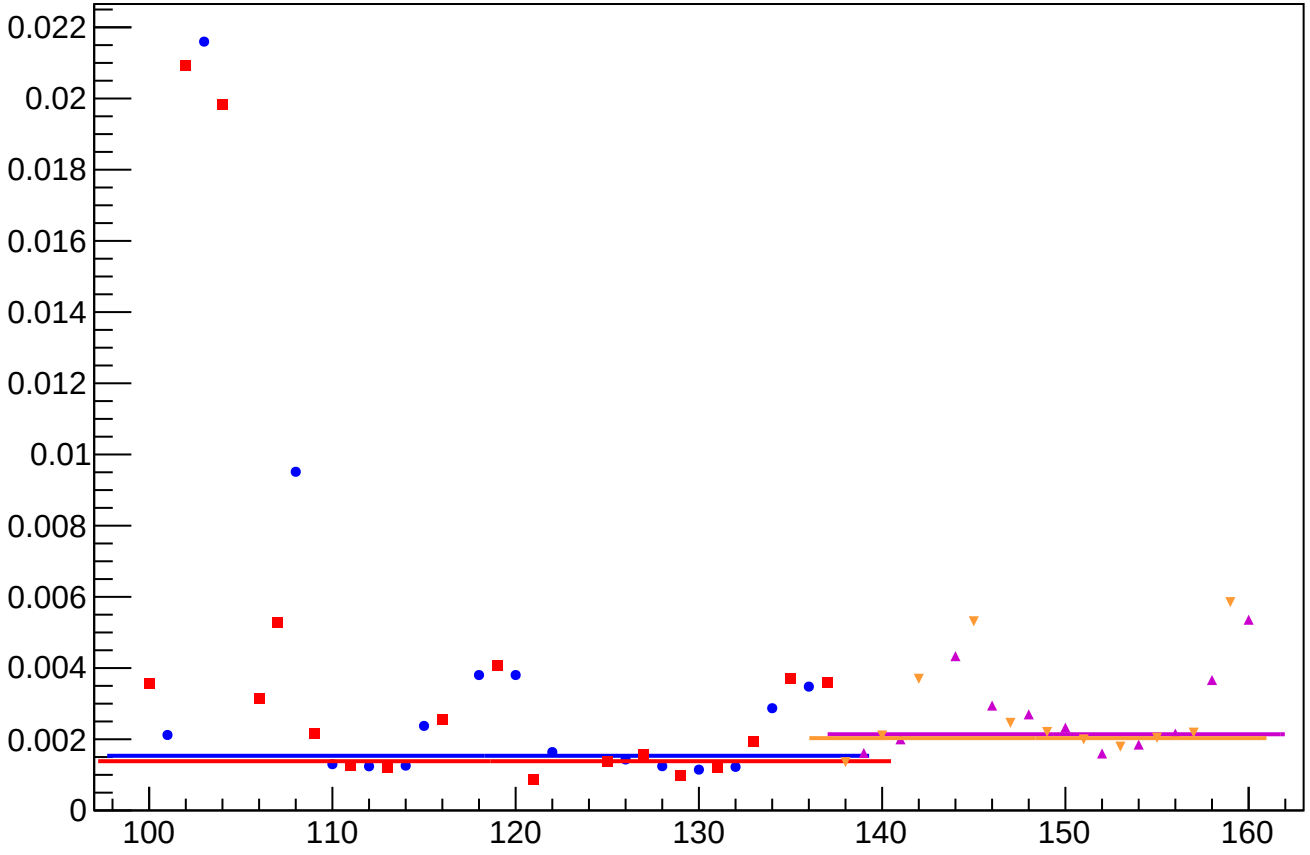
Left In: 0.000+/-0.000 χ^2/NDF:5.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 51.3/26

All: 0.000+/-0.000 χ^2/NDF: 77.7/55

- 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:1885378.1/10

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

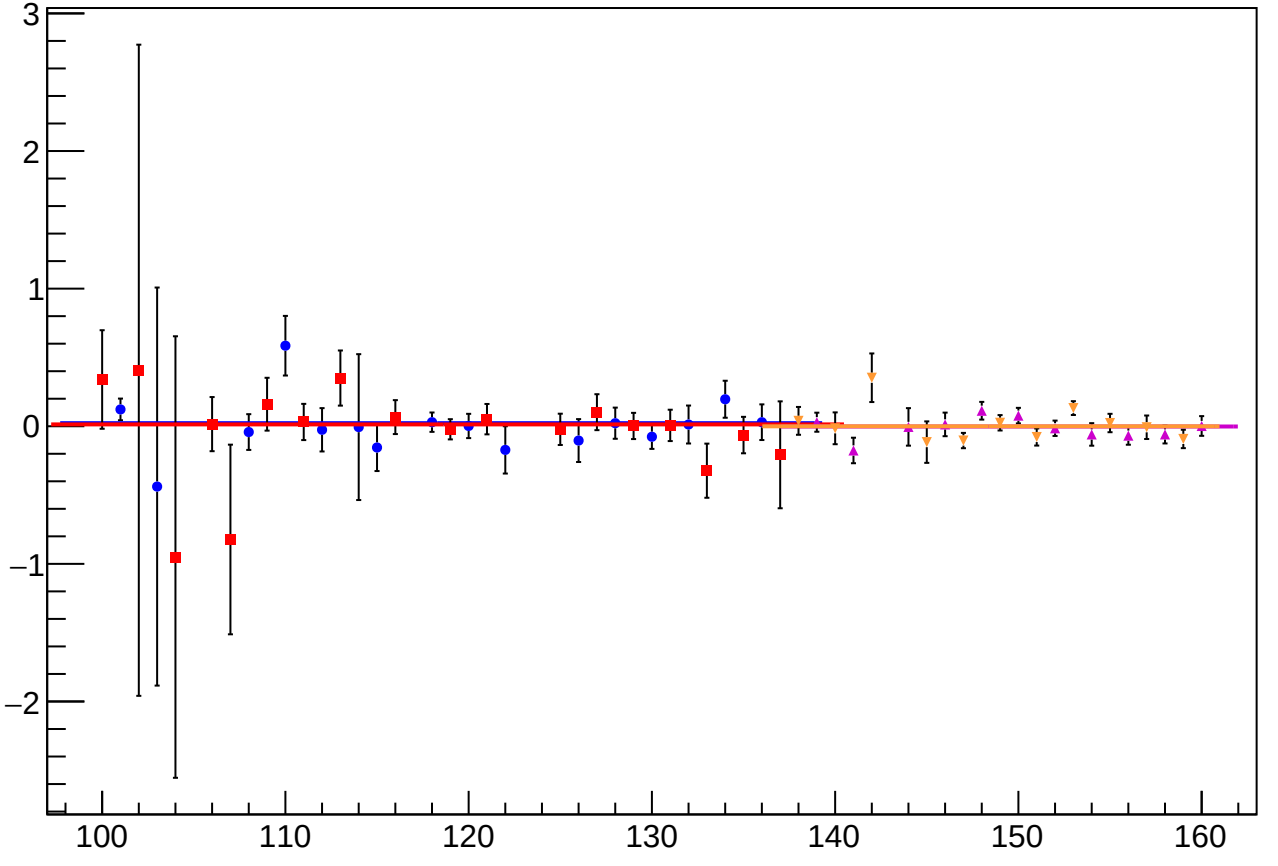
Left In: 0.002+/-0.000 χ^2/NDF:1861580.4/10

+ sign 0.002+/-0.000 χ^2/NDF: 5756461.1/26

All: 0.002+/-0.000 χ^2/NDF: 13093075.0/55

- 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: -0.000+/-0.022 χ^2/NDF:19.0/10

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

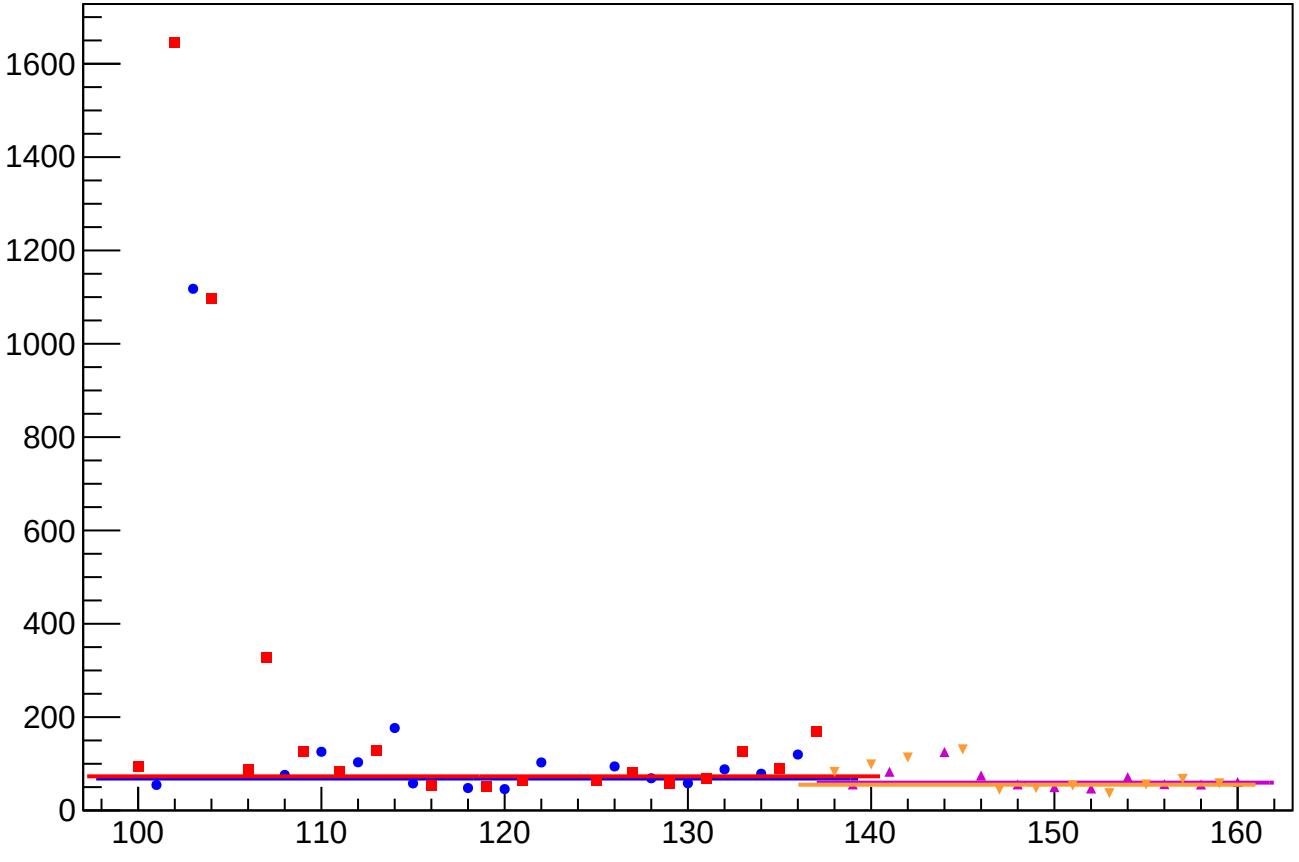
Left In: -0.002+/-0.021 χ^2/NDF:11.2/10

+ sign 0.007+/-0.018 χ^2/NDF: 34.1/26

All: 0.005+/-0.013 χ^2/NDF: 56.4/55

- 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: 55.195+/-0.015 χ^2/NDF:1570085.1/10

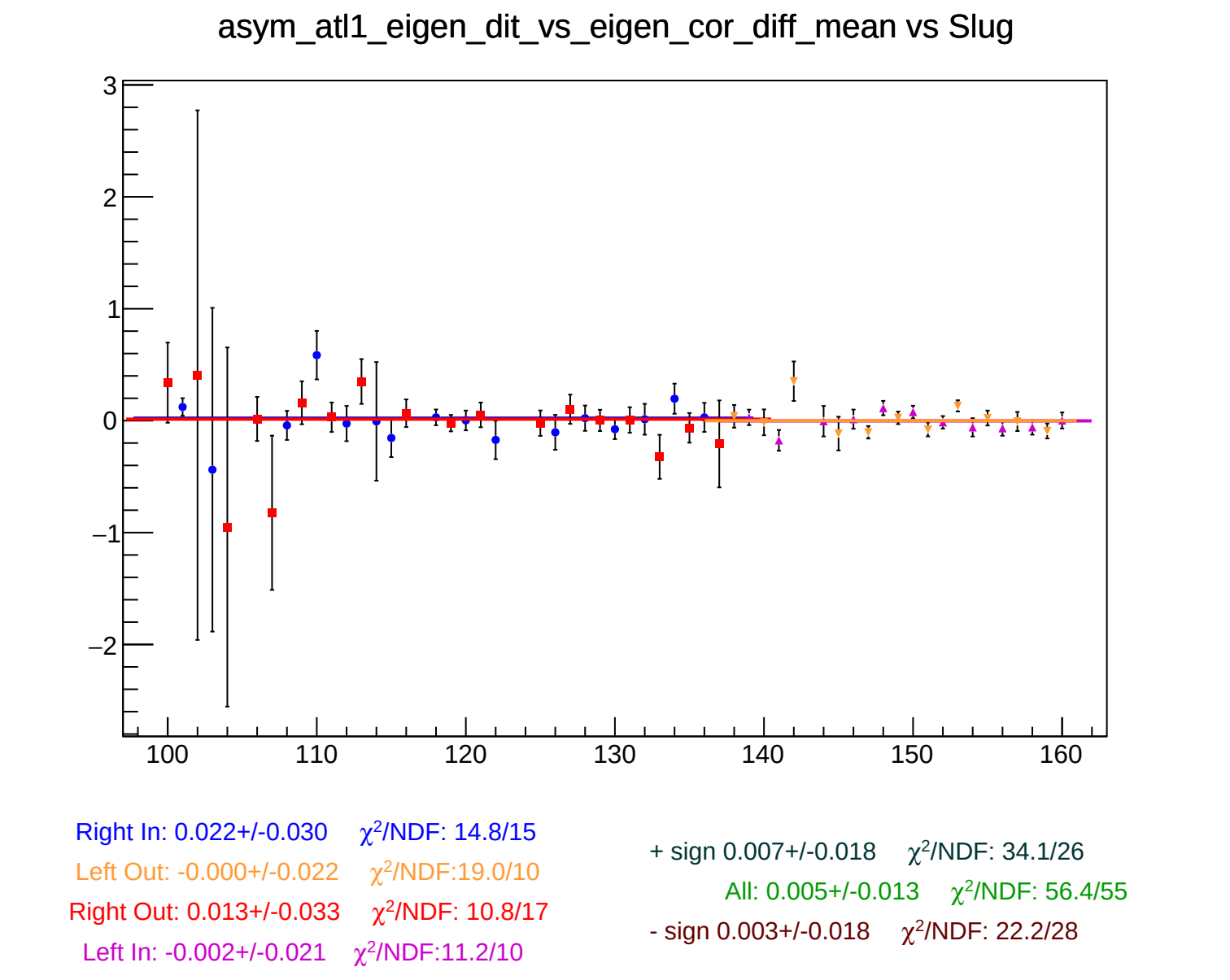
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

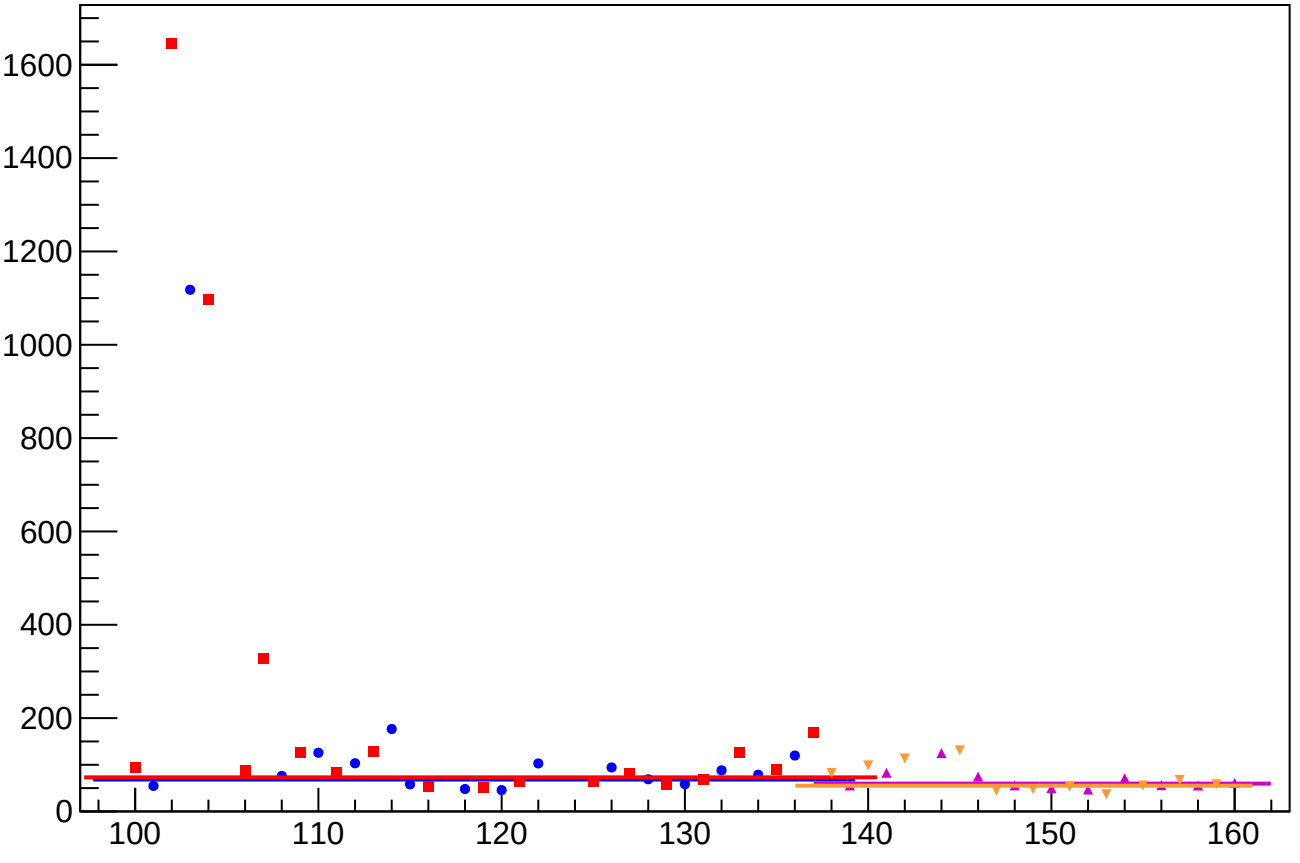
Left In: 59.621+/-0.015 χ^2/NDF:879628.7/10

+ sign 59.699+/-0.012 χ^2/NDF: 4102407.2/26

All: 61.560+/-0.009 χ^2/NDF: 8170578.1/55

- 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: -0.000+/-0.022 χ²/NDF:19.0/10
Right Out: 0.013+/-0.033 χ²/NDF: 10.8/17
Left In: -0.002+/-0.021 χ²/NDF:11.2/10
+ sign 0.007+/-0.018 χ²/NDF: 34.1/26
All: 0.005+/-0.013 χ²/NDF: 56.4/55
- sign 0.003+/-0.018 χ²/NDF: 22.2/28



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.195+/-0.015 χ^2/NDF:1570085.1/10

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

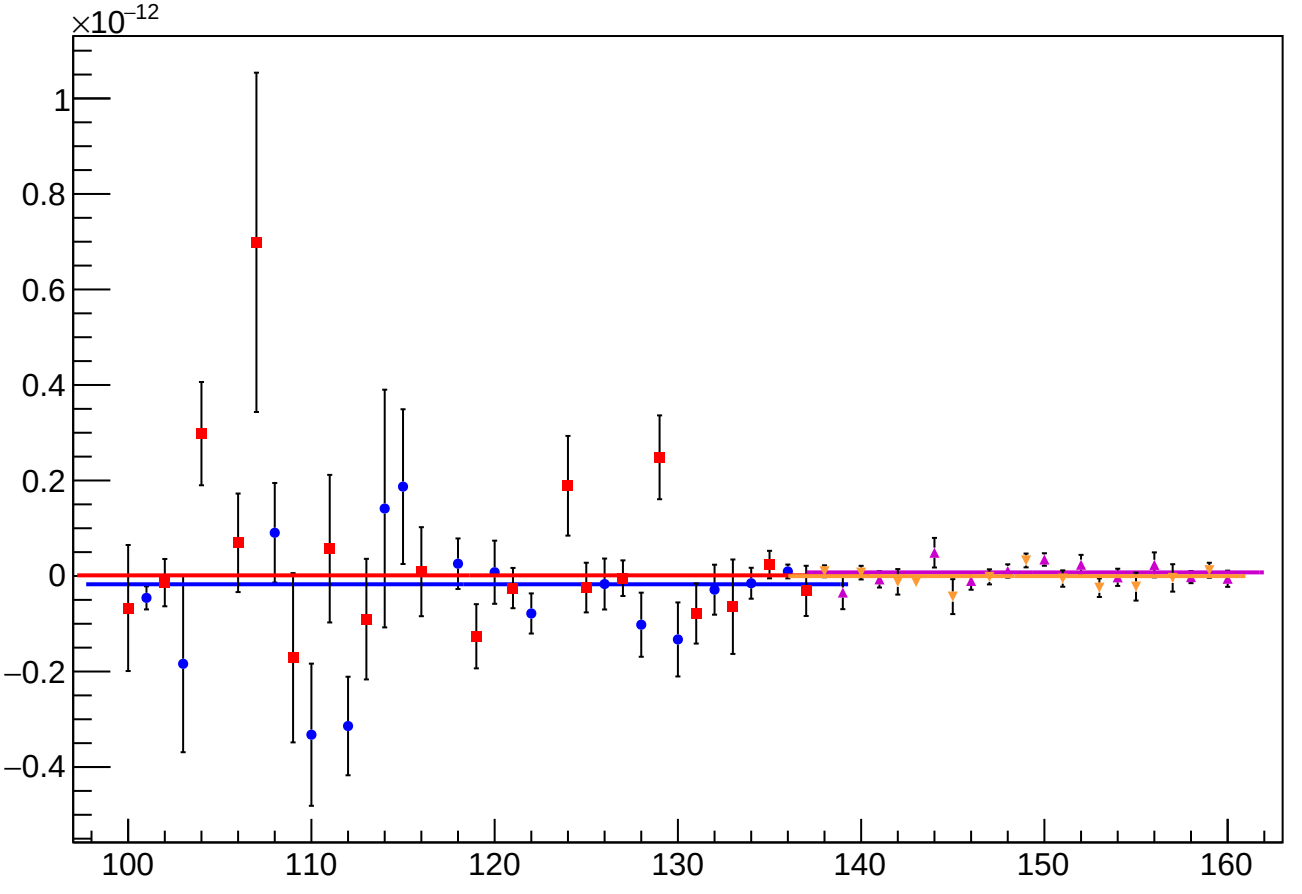
Left In: 59.621+/-0.015 χ^2/NDF:879628.7/10

+ sign 59.699+/-0.012 χ^2/NDF: 4102407.2/26

All: 61.560+/-0.009 χ^2/NDF: 8170578.1/55

- 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:12.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

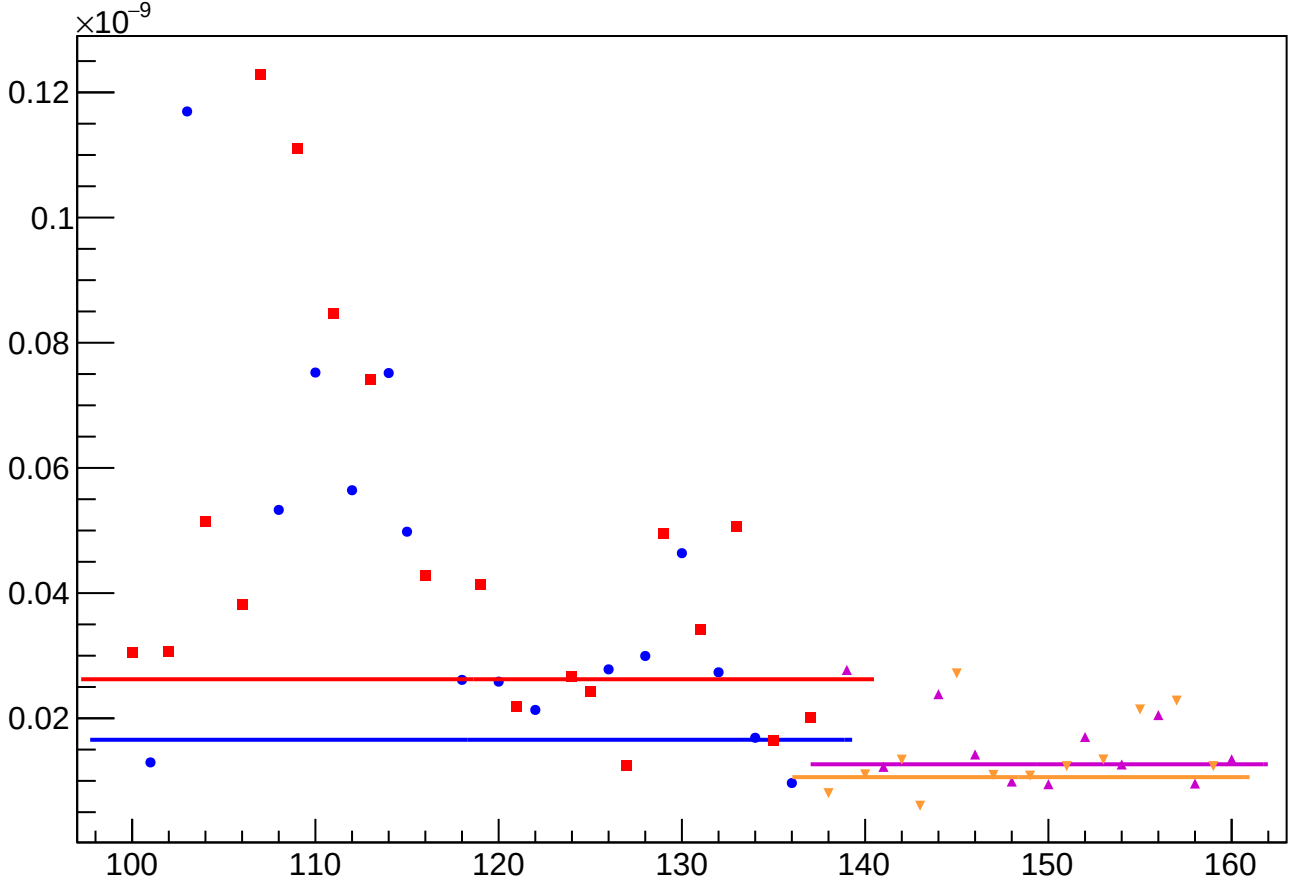
Left In: 0.000+/-0.000 χ^2/NDF:11.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 42.9/27

All: 0.000+/-0.000 χ^2/NDF: 89.5/57

- 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:1721952.6/11

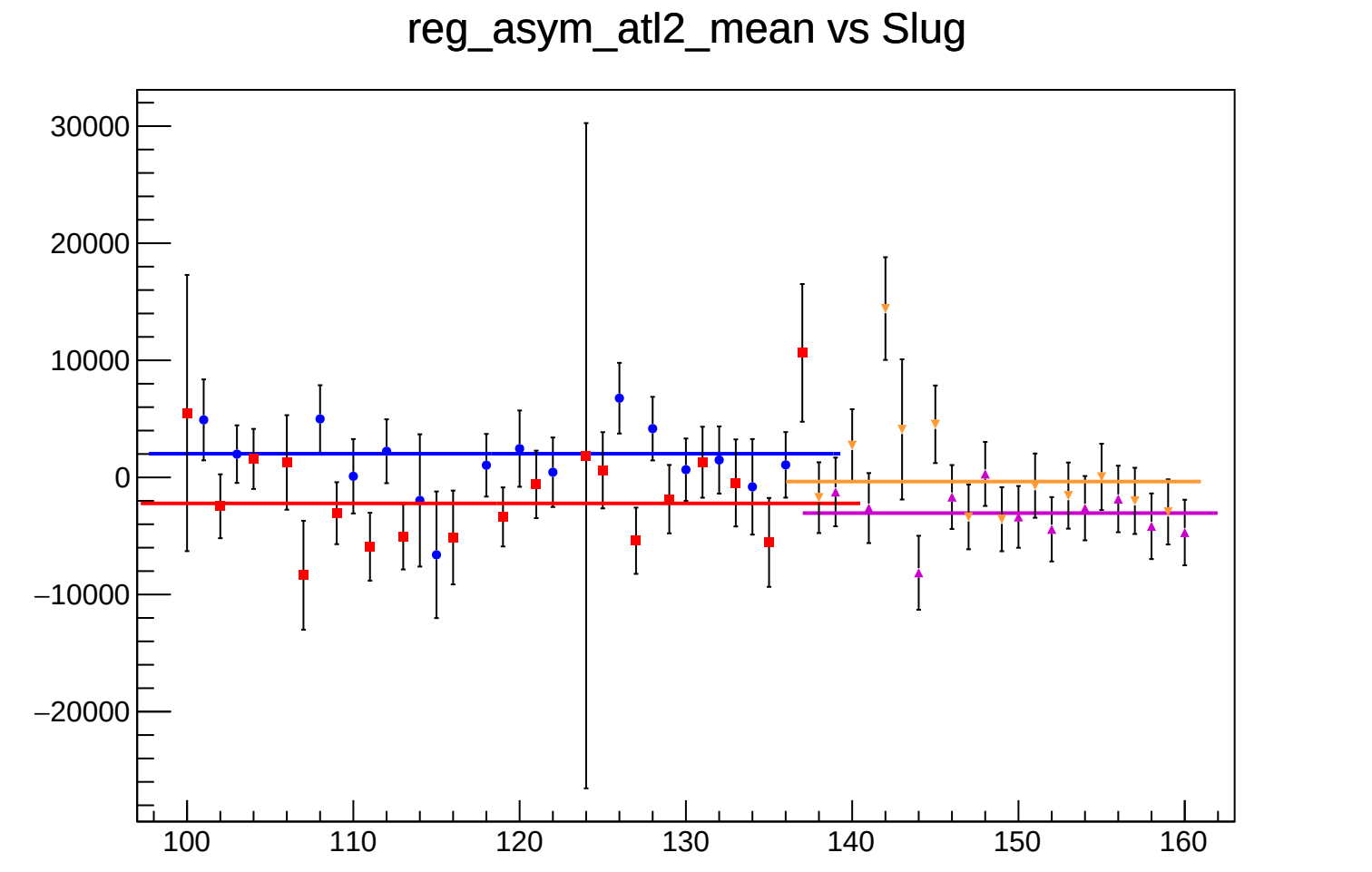
Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1238409.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 5131691.0/27

All: 0.000+/-0.000 χ^2/NDF: 10639076.4/57

- sign 0.000+/-0.000 χ^2/NDF: 5181165.3/29



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: -354.637+/-881.192 χ^2/NDF:19.3/11

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

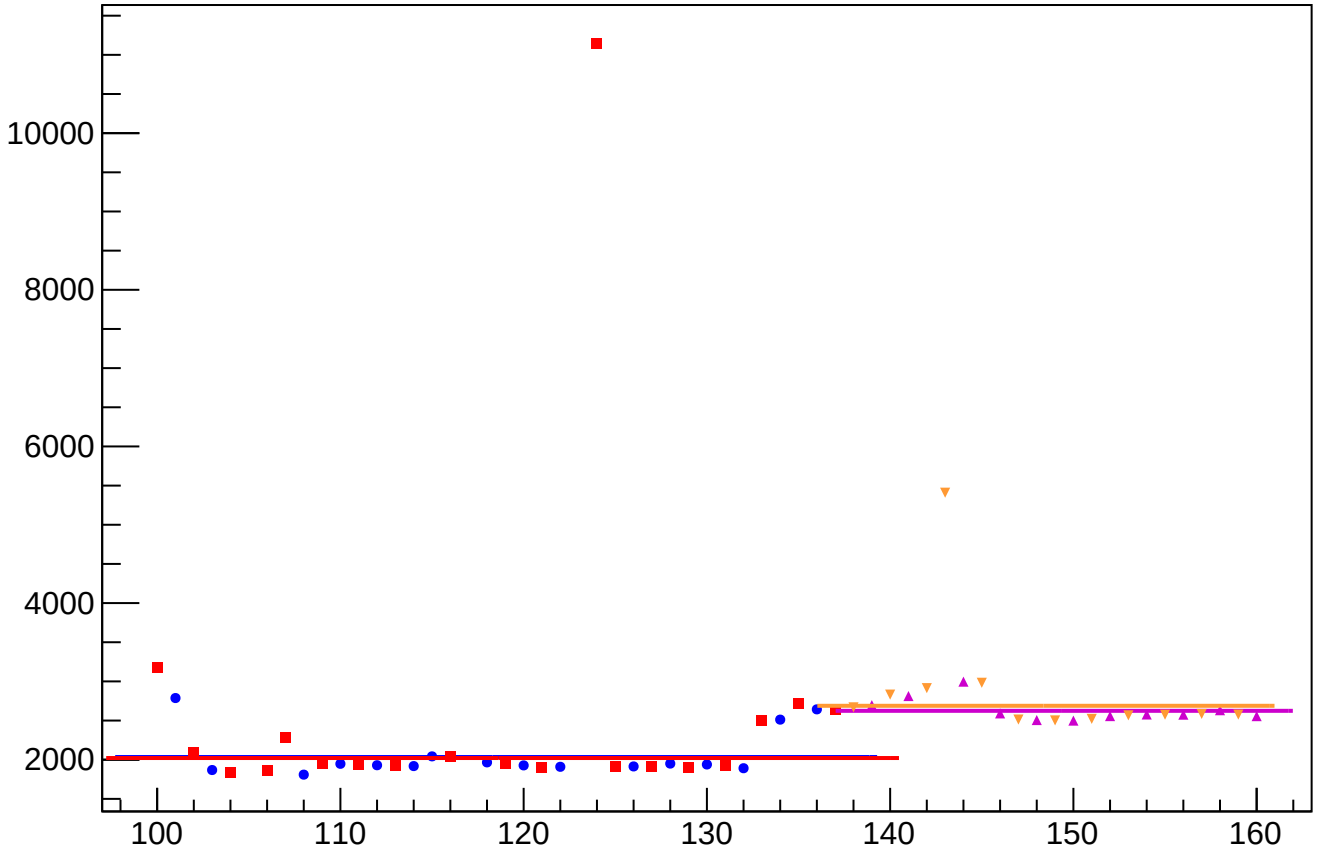
Left In: -3047.111+/-850.003 χ^2/NDF:5.7/10

+ sign 1001.971+/-577.403 χ^2/NDF: 33.0/27

All: -830.014+/-403.812 χ^2/NDF: 77.1/57

- 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: 2688.563+/-0.623 χ^2/NDF:476111.5/11

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

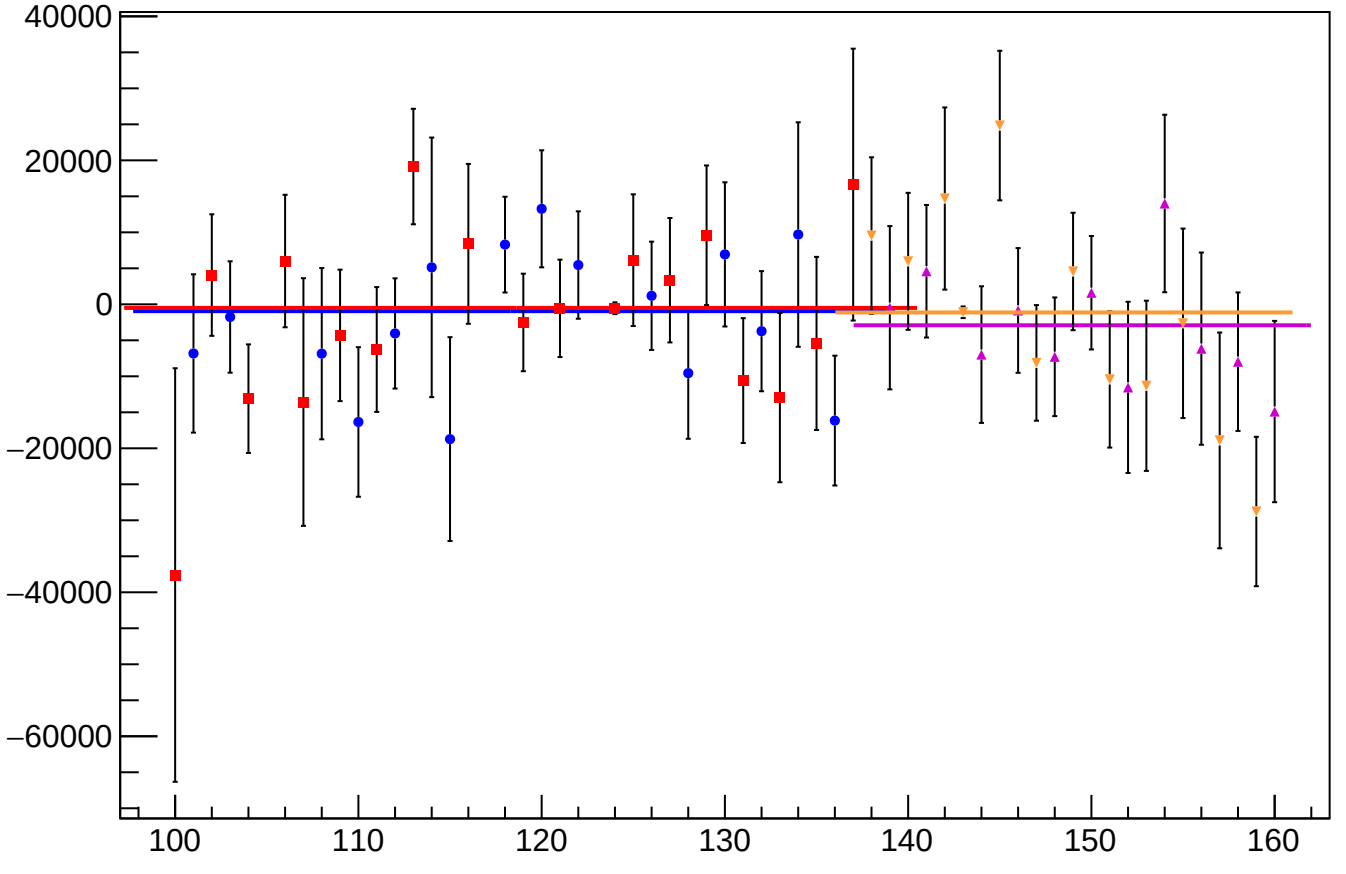
Left In: 2624.256+/-0.601 χ^2/NDF:49045.4/10

+ sign 2315.131+/-0.408 χ^2/NDF: 1368501.2/27

All: 2301.166+/-0.286 χ^2/NDF: 2371503.1/57

- 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: -1127.108+/-781.275 χ^2/NDF:20.8/11

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

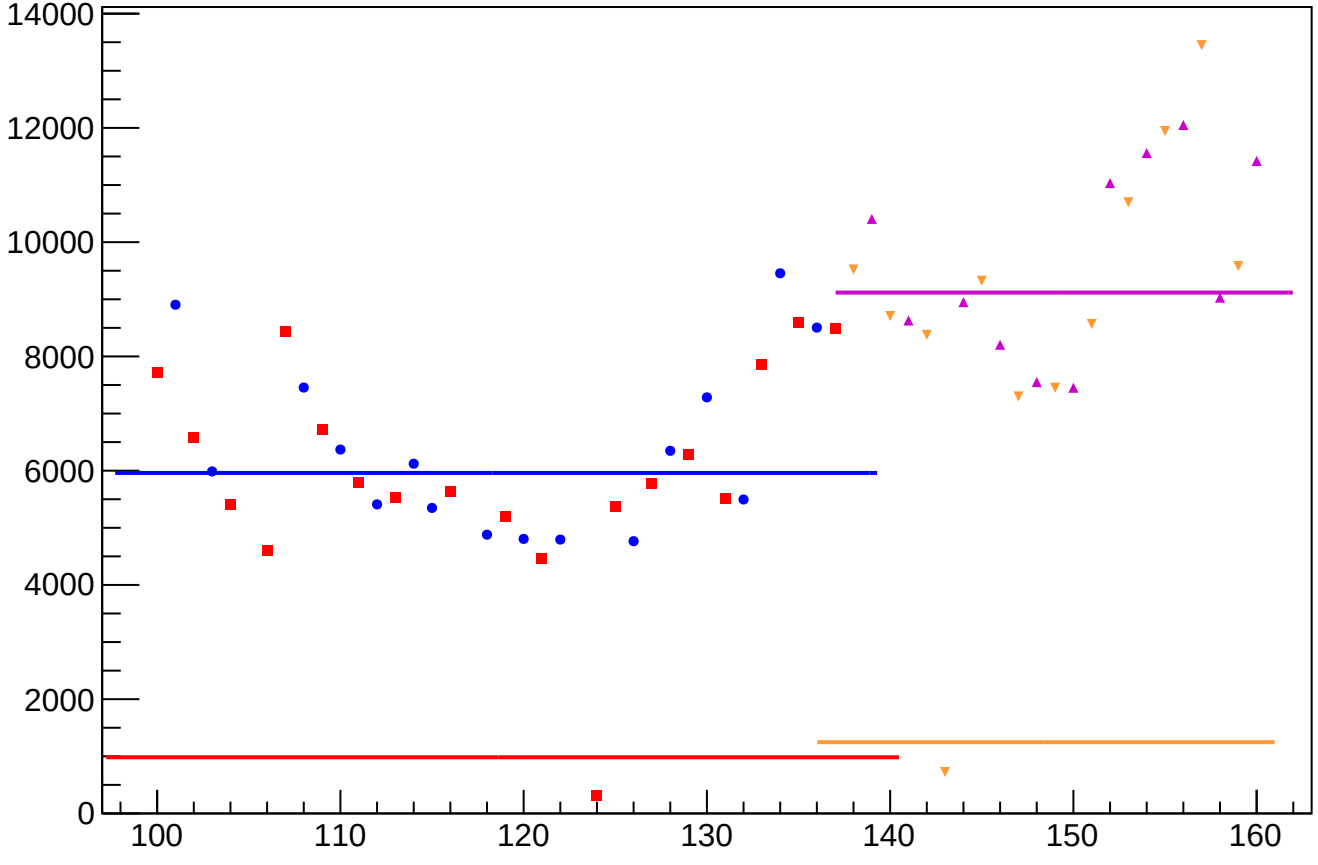
Left In: -2911.113+/-2998.729 χ^2/NDF:5.2/10

+ sign -1108.531+/-739.037 χ^2/NDF: 36.1/27

All: -878.904+/-524.411 χ^2/NDF: 60.6/57

- 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: 1247.150+/-0.552 χ^2/NDF:13771179.3/11

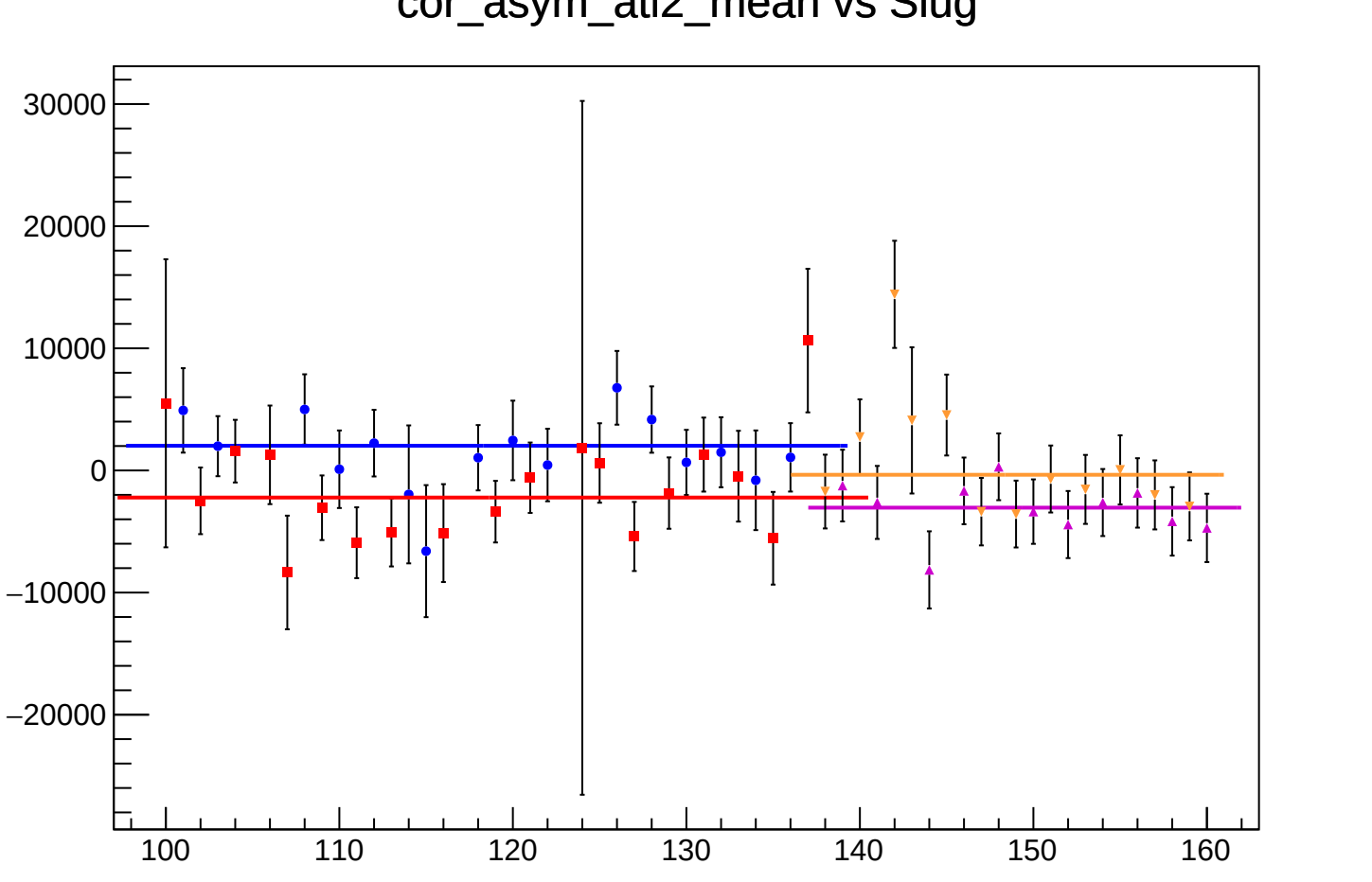
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9117.927+/-2.120 χ^2/NDF:510180.0/10

+ sign 1743.034+/-0.523 χ^2/NDF: 22119234.0/27

All: 1614.619+/-0.371 χ^2/NDF: 47978515.3/5

- sign 1484.386+/-0.526 χ^2/NDF: 25737656.3/29



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -354.512+/-881.192 χ^2/NDF:19.3/11

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

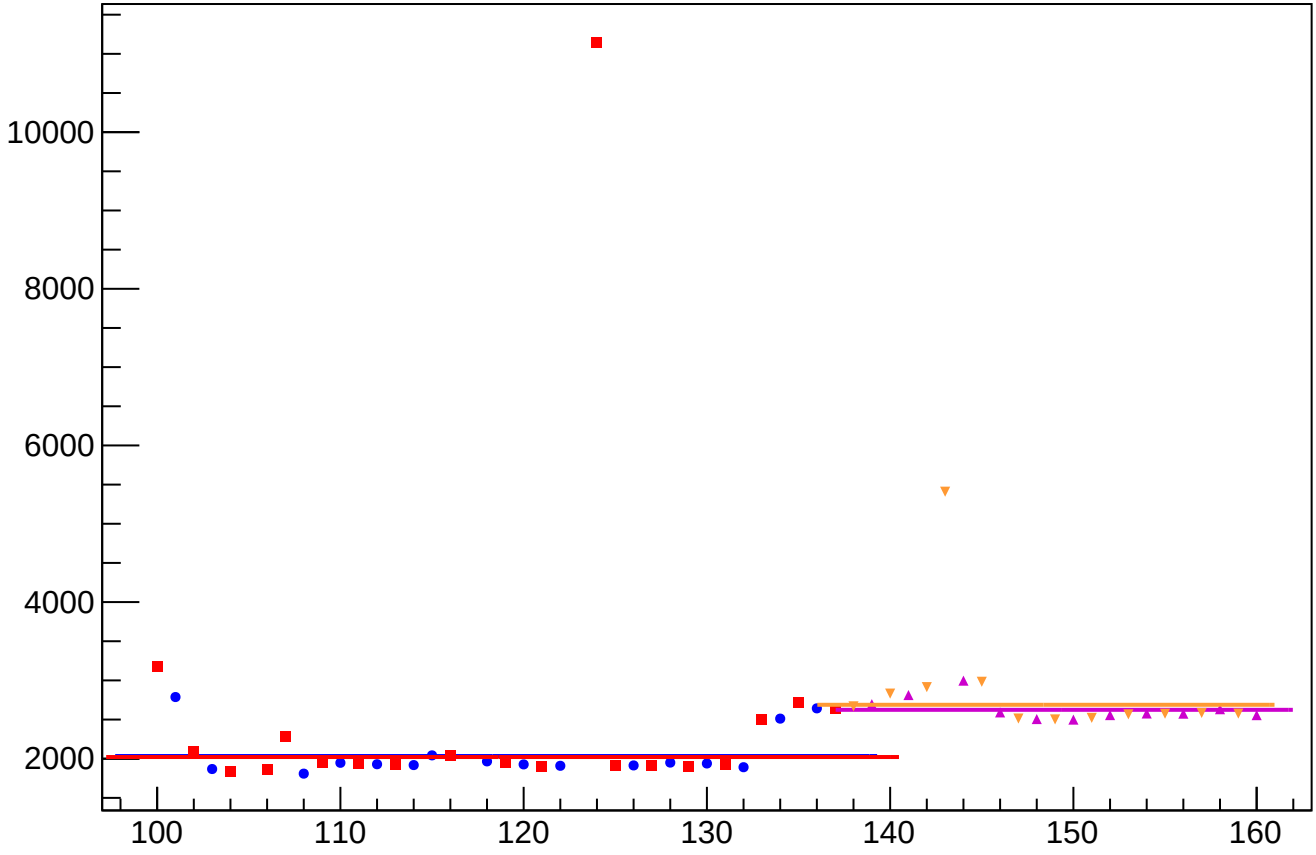
Left In: -3047.208+/-850.003 χ^2/NDF:5.7/10

+ sign 1002.097+/-577.403 χ^2/NDF: 33.0/27

All: -830.491+/-403.813 χ^2/NDF: 77.2/57

- 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: 2688.563+/-0.623 χ^2/NDF:476111.5/11

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

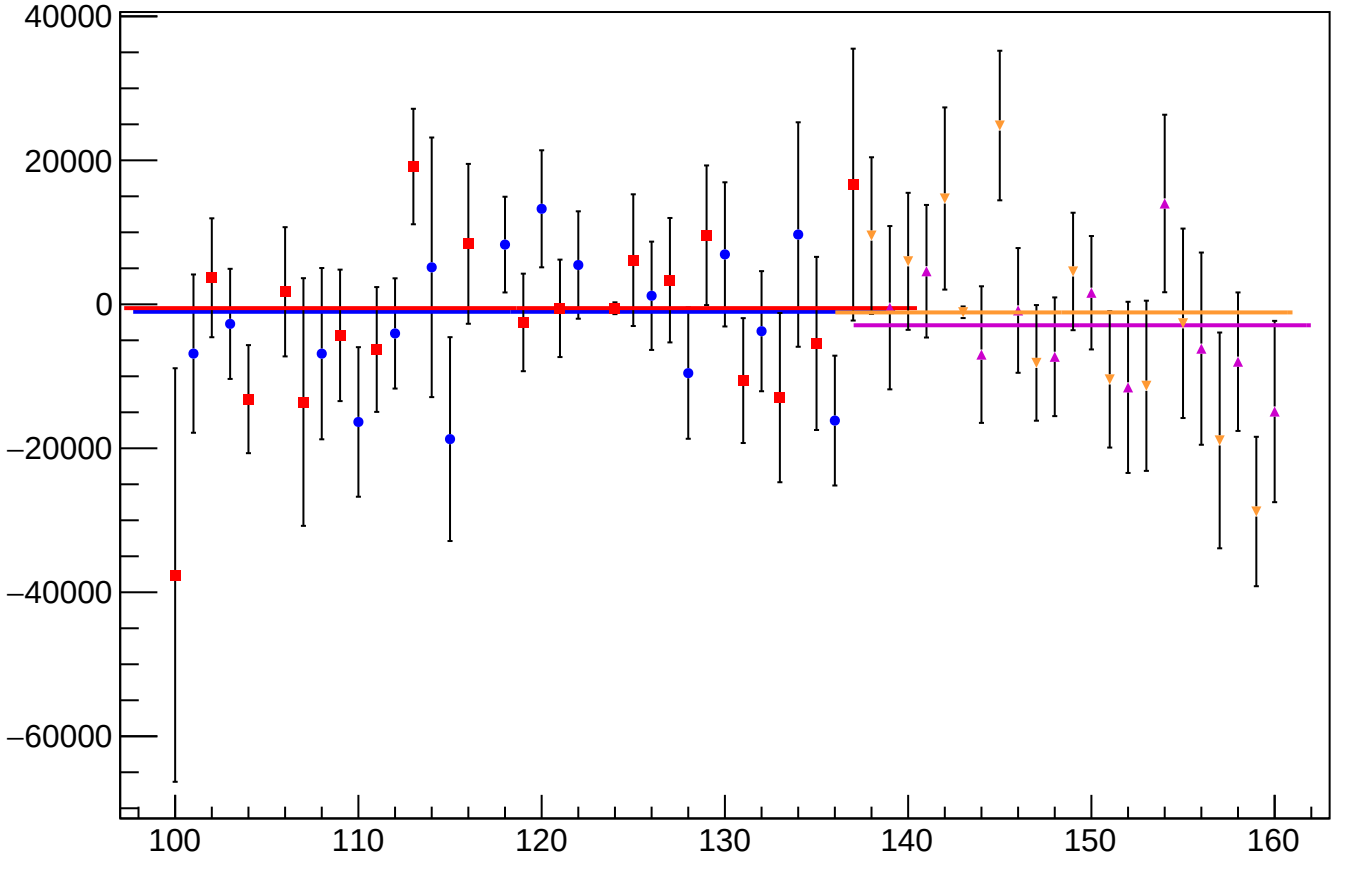
Left In: 2624.256+/-0.601 χ^2/NDF:49045.4/10

+ sign 2315.131+/-0.408 χ^2/NDF: 1368501.3/27

All: 2301.174+/-0.286 χ^2/NDF: 2371467.3/57

- 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: -1126.863+/-781.204 χ^2/NDF:20.8/11

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

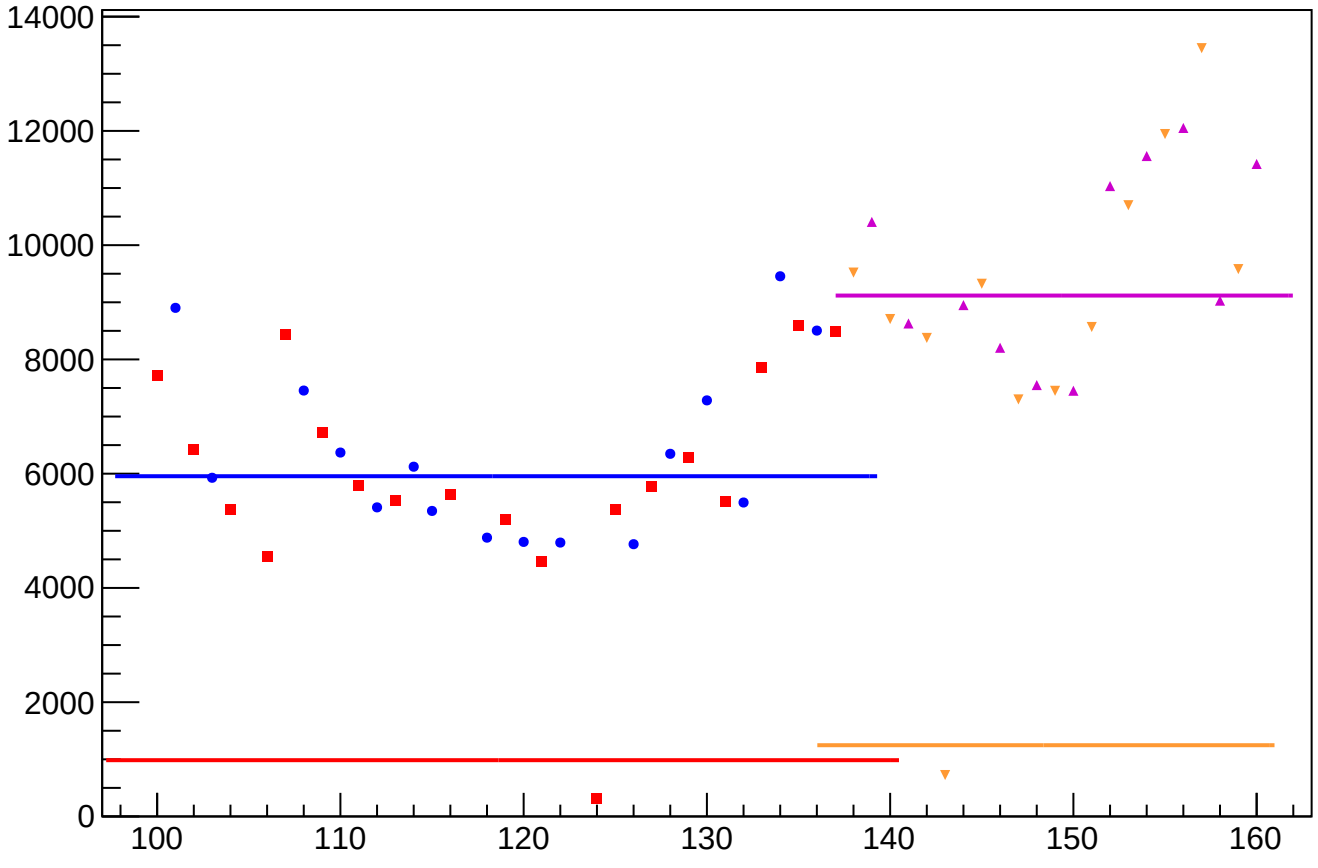
Left In: -2911.287+/-2998.726 χ^2/NDF:5.2/10

+ sign -1117.492+/-738.897 χ^2/NDF: 36.2/27

All: -898.834+/-524.253 χ^2/NDF: 60.2/57

- 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: 1246.991+/-0.552 χ^2/NDF:13771559.3/11

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

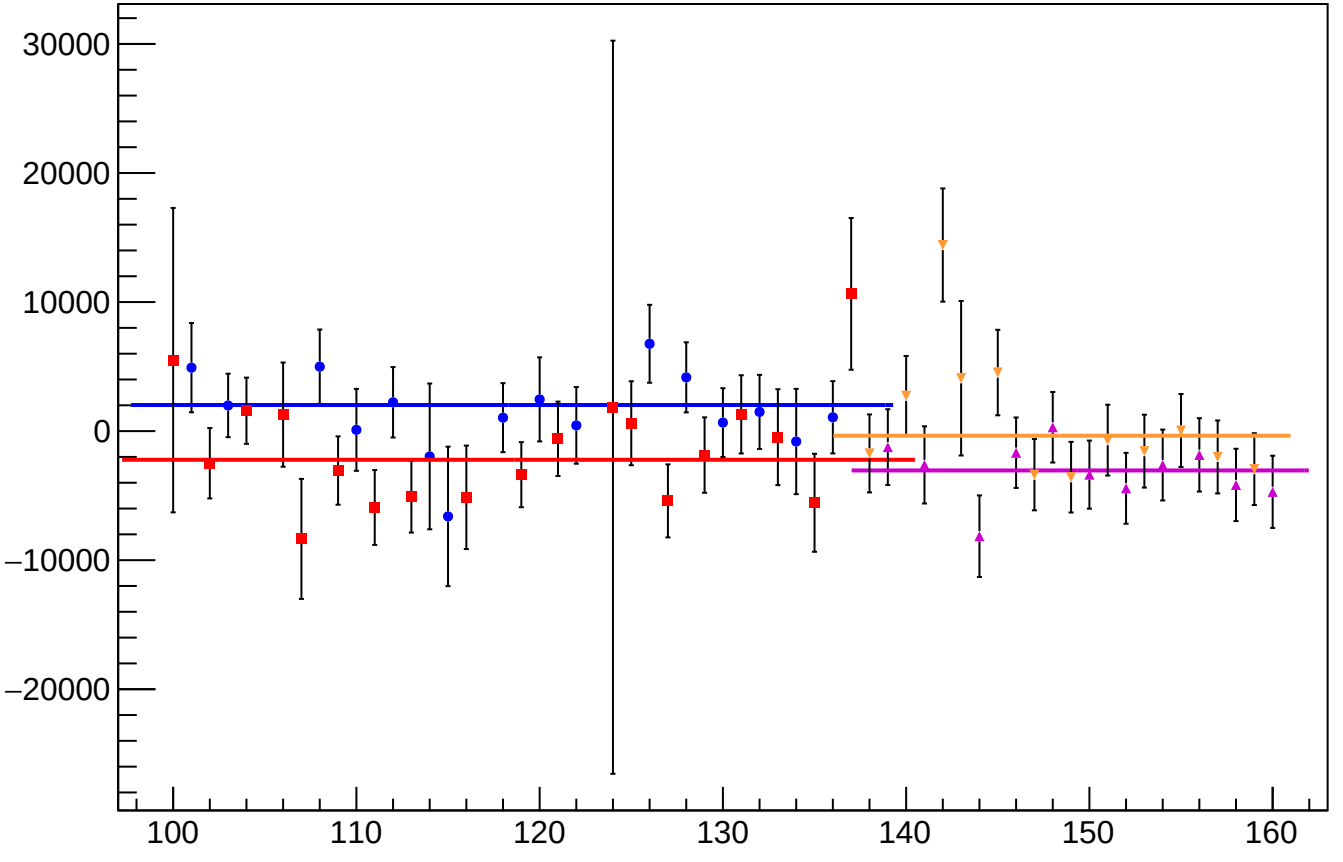
Left In: 9117.918+/-2.120 χ^2/NDF:510186.0/10

+ sign 1743.184+/-0.522 χ^2/NDF: 22117513.2/27

All: 1615.264+/-0.371 χ^2/NDF: 47966911.2/5

- 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: -354.512+/-881.192 χ^2/NDF:19.3/11

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

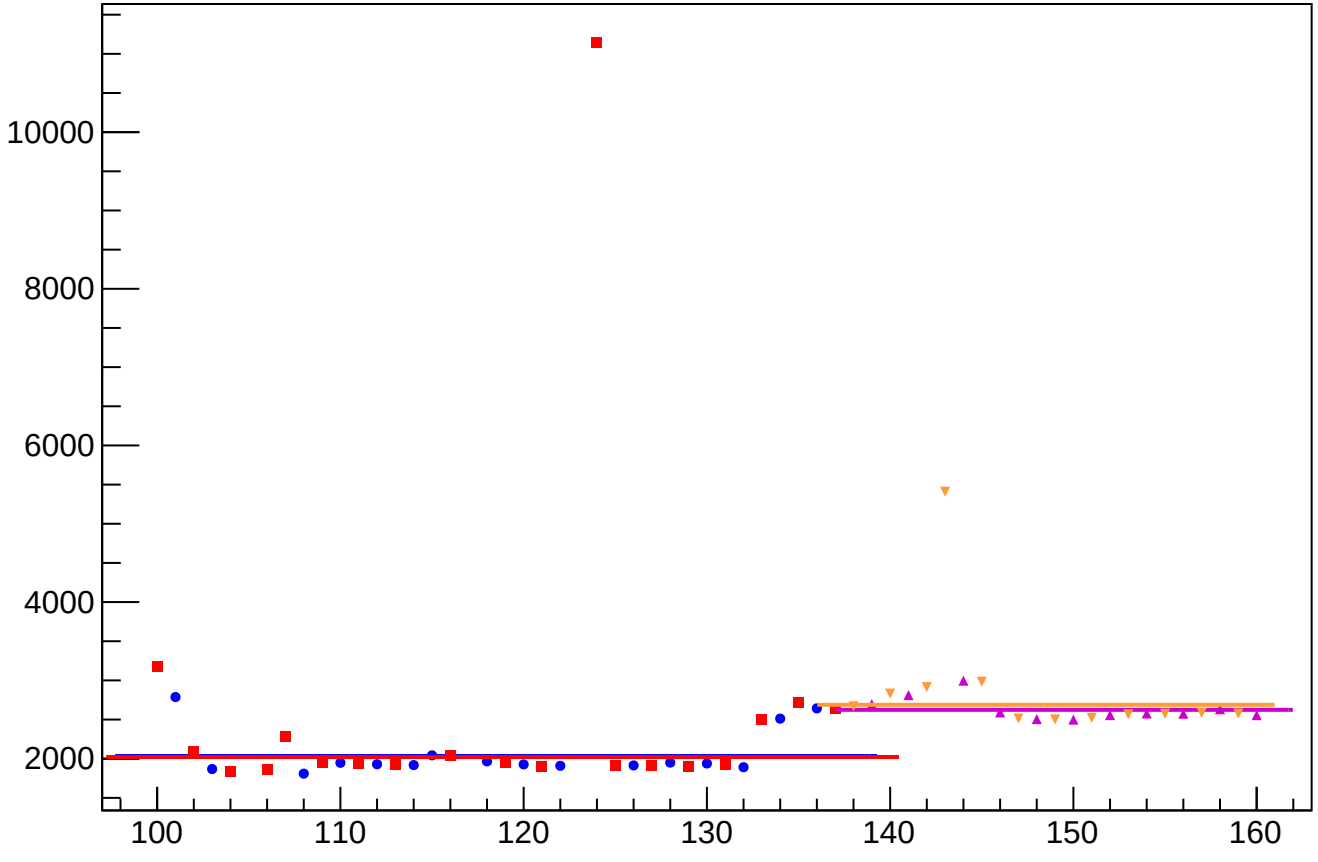
Left In: -3047.208+/-850.003 χ^2/NDF:5.7/10

+ sign 1002.097+/-577.403 χ^2/NDF: 33.0/27

All: -830.491+/-403.813 χ^2/NDF: 77.2/57

- 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: 2688.563+/-0.623 χ^2/NDF:476111.5/11

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

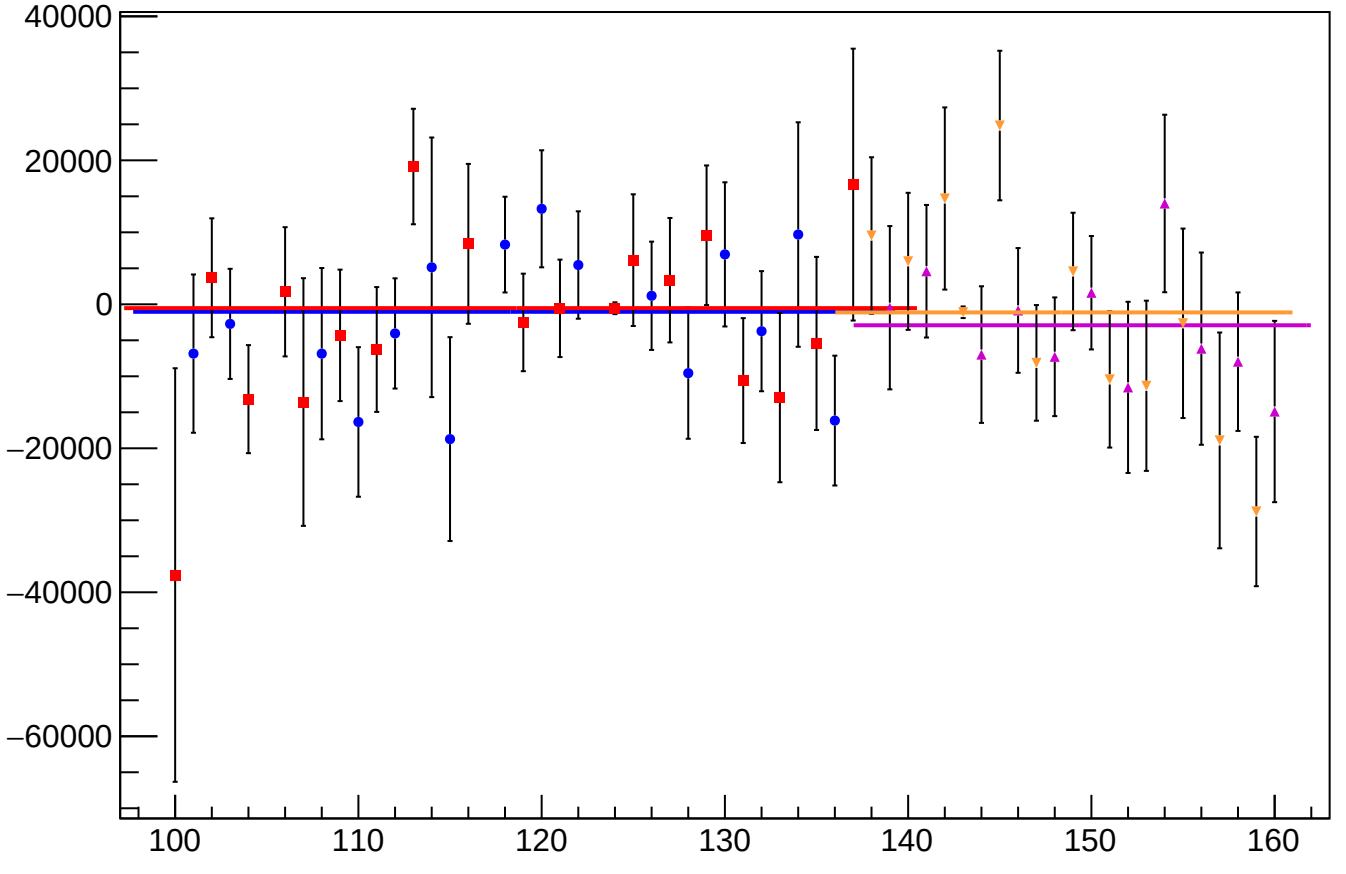
Left In: 2624.256+/-0.601 χ^2/NDF:49045.4/10

+ sign 2315.131+/-0.408 χ^2/NDF: 1368501.3/27

All: 2301.174+/-0.286 χ^2/NDF: 2371467.3/57

- 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: -1126.863+/-781.204 χ^2/NDF:20.8/11

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

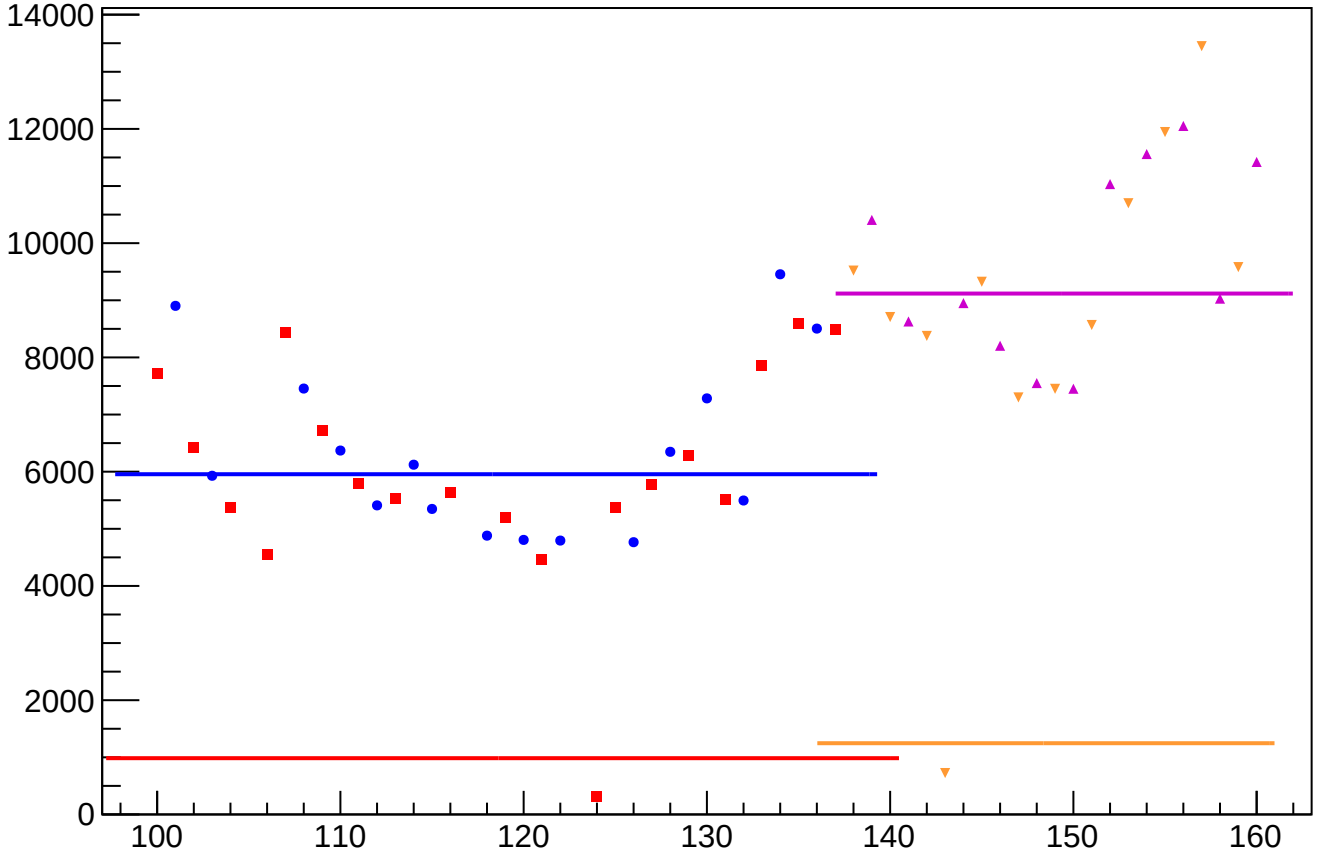
Left In: -2911.287+/-2998.726 χ^2/NDF:5.2/10

+ sign -1117.492+/-738.897 χ^2/NDF: 36.2/27

All: -898.834+/-524.253 χ^2/NDF: 60.2/57

- 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: 1246.991+/-0.552 χ^2/NDF:13771559.3/11

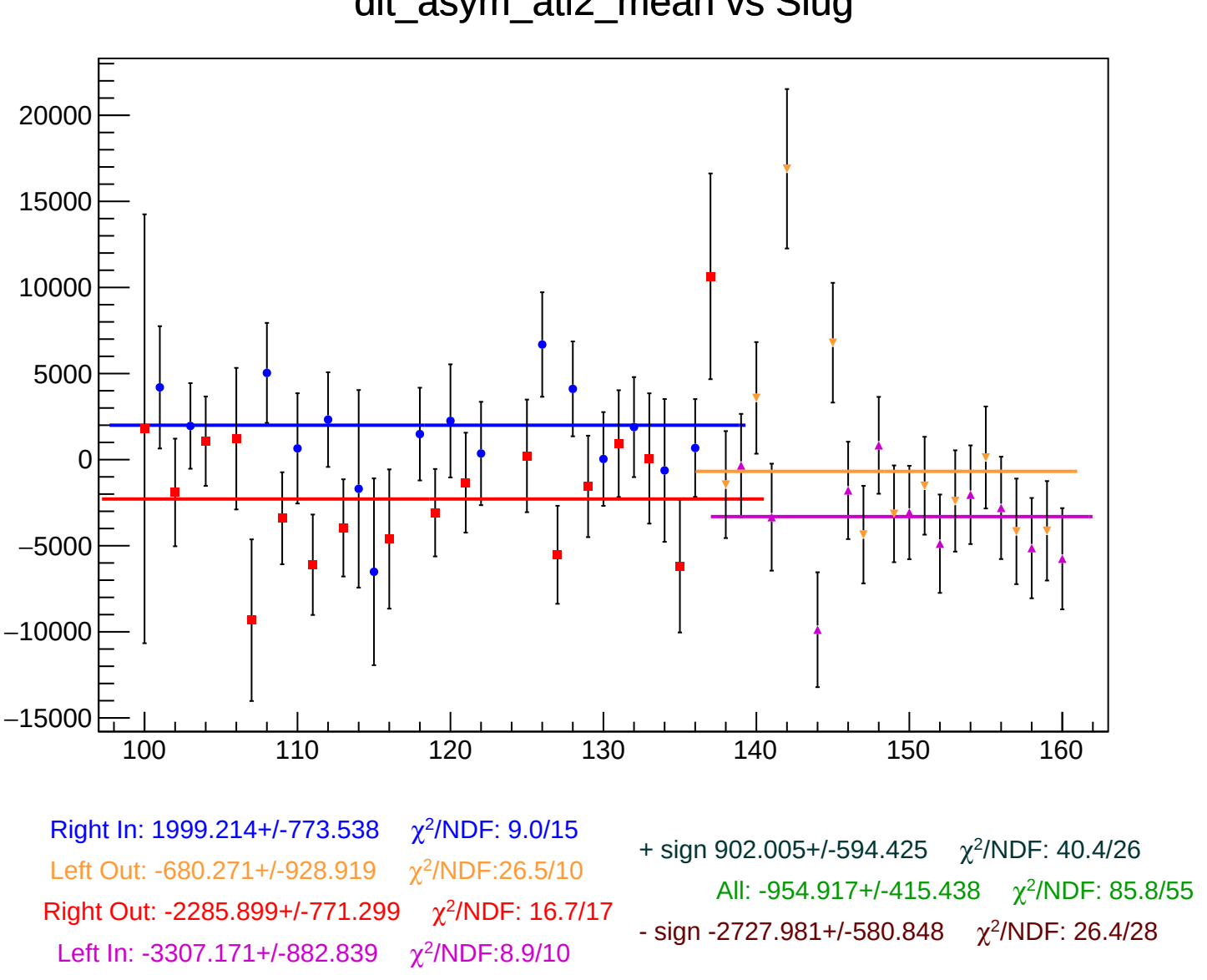
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9117.918+/-2.120 χ^2/NDF:510186.0/10

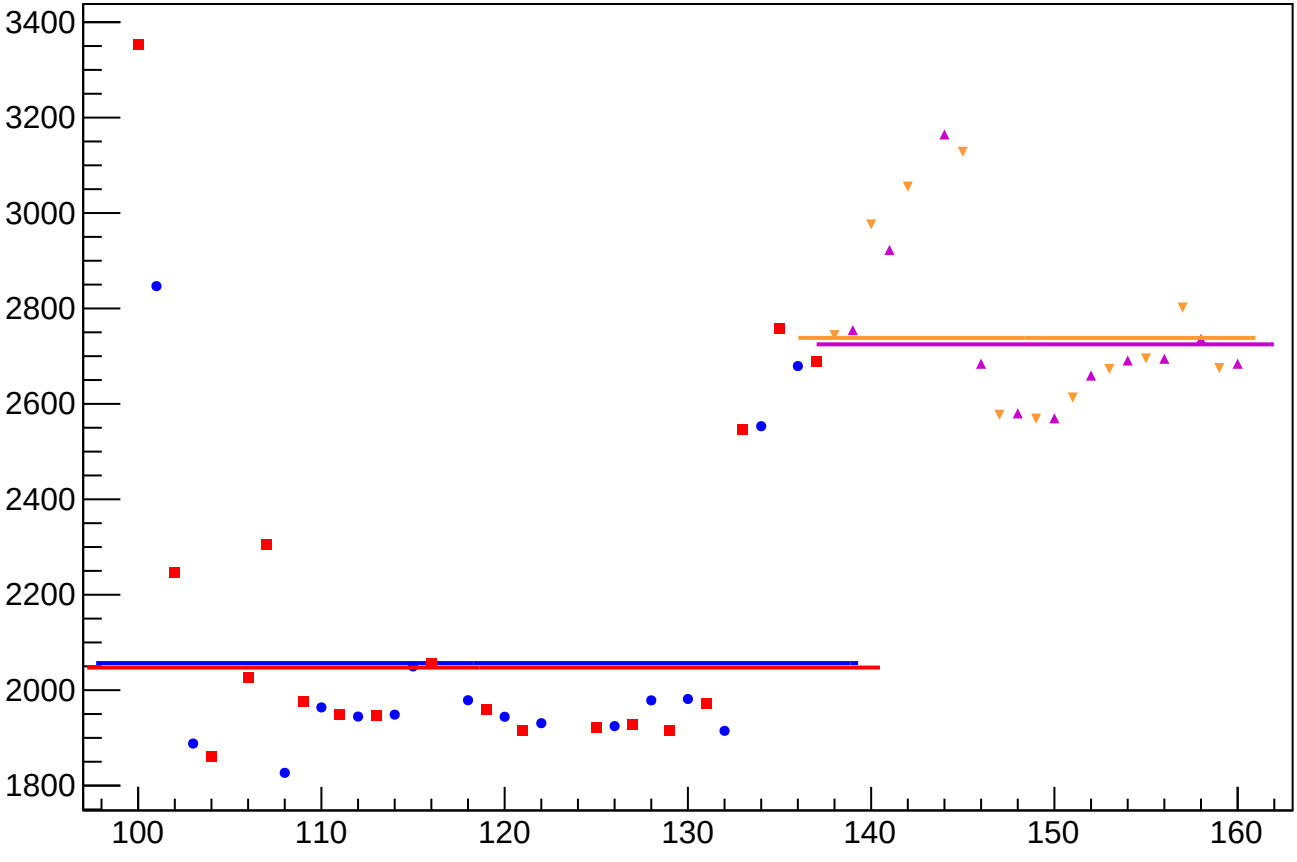
+ sign 1743.184+/-0.522 χ^2/NDF: 22117513.2/27

All: 1615.264+/-0.371 χ^2/NDF: 47966911.2/5

- sign 1485.593+/-0.526 χ^2/NDF: 25728691.6/29


dit_asym_atl2_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 1999.214+/-773.538 χ²/NDF: 9.0/15
Left Out: -680.271+/-928.919 χ²/NDF:26.5/10
Right Out: -2285.899+/-771.299 χ²/NDF: 16.7/17
Left In: -3307.171+/-882.839 χ²/NDF:8.9/10
+ sign 902.005+/-594.425 χ²/NDF: 40.4/26
All: -954.917+/-415.438 χ²/NDF: 85.8/55
- sign -2727.981+/-580.848 χ²/NDF: 26.4/28

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2738.322+/-0.657 χ^2/NDF:66109.6/10

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

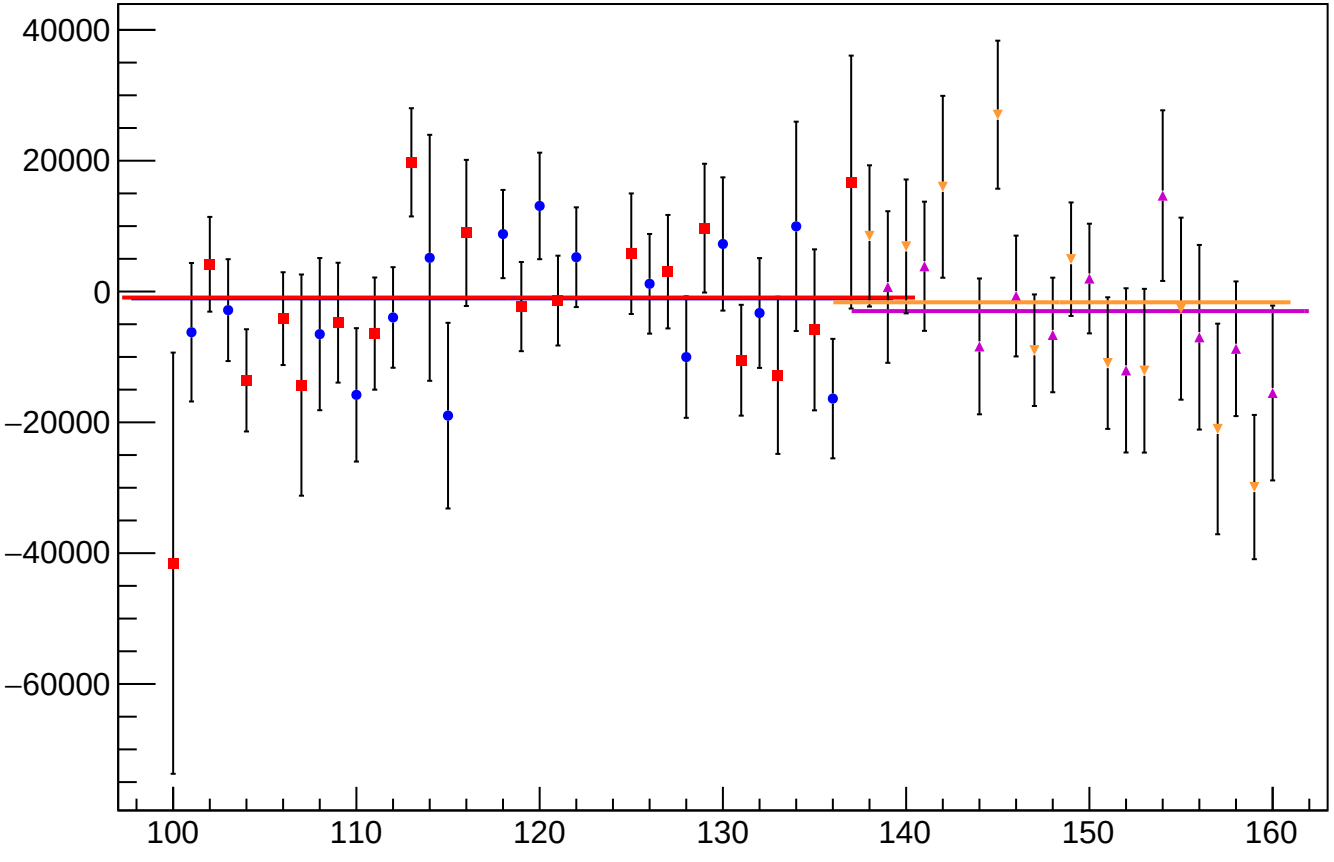
Left In: 2724.794+/-0.624 χ^2/NDF:57268.9/10

+ sign 2335.870+/-0.420 χ^2/NDF: 972291.3/26

All: 2338.048+/-0.294 χ^2/NDF: 1894781.8/55

- 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: -1644.179+/-3303.321 χ^2/NDF:20.5/10

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

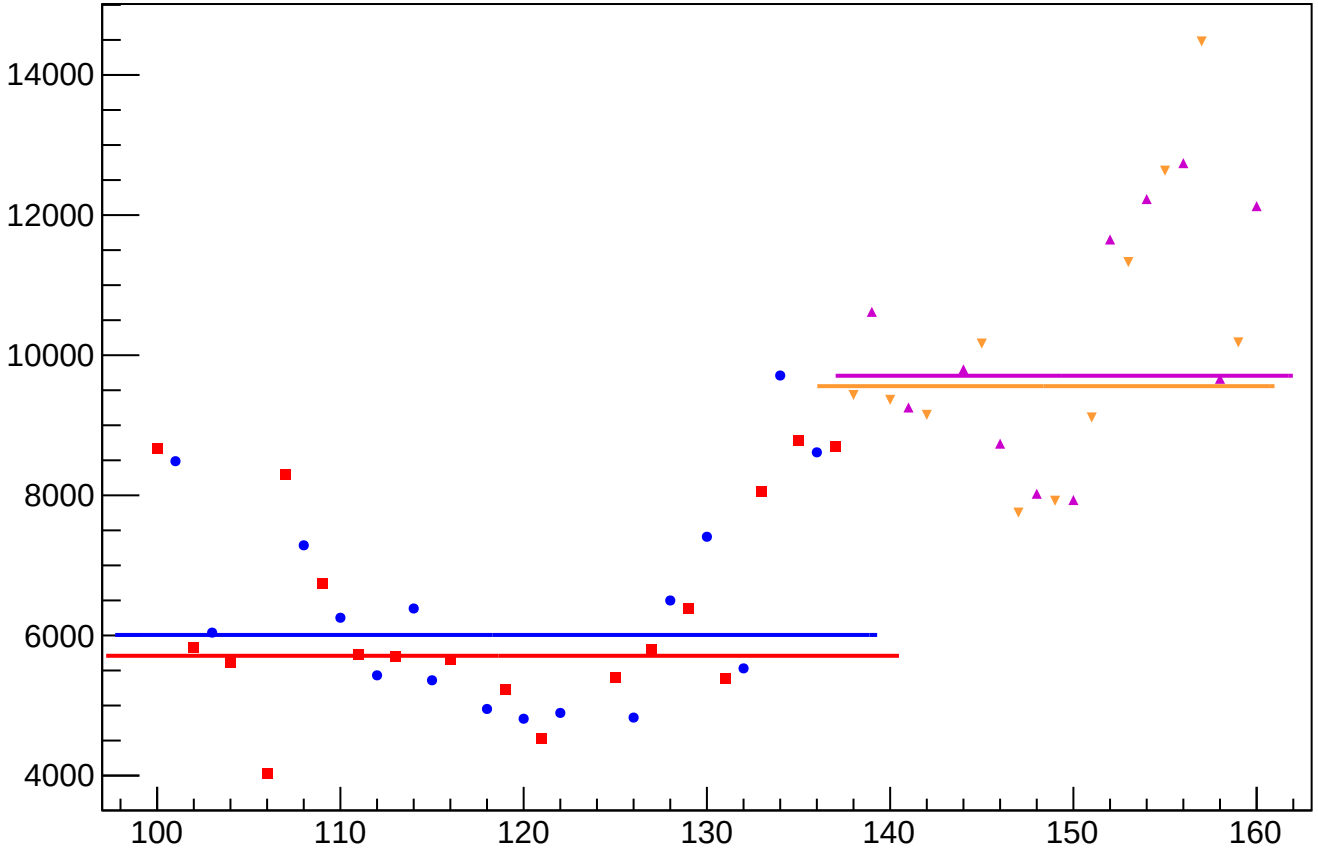
Left In: -2994.248+/-3190.584 χ^2/NDF:5.1/10

+ sign -1238.340+/-1884.552 χ^2/NDF: 35.8/26

All: -1412.188+/-1295.368 χ^2/NDF: 59.6/55

- 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: 9558.347+/-2.336 χ^2/NDF:504047.3/10

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

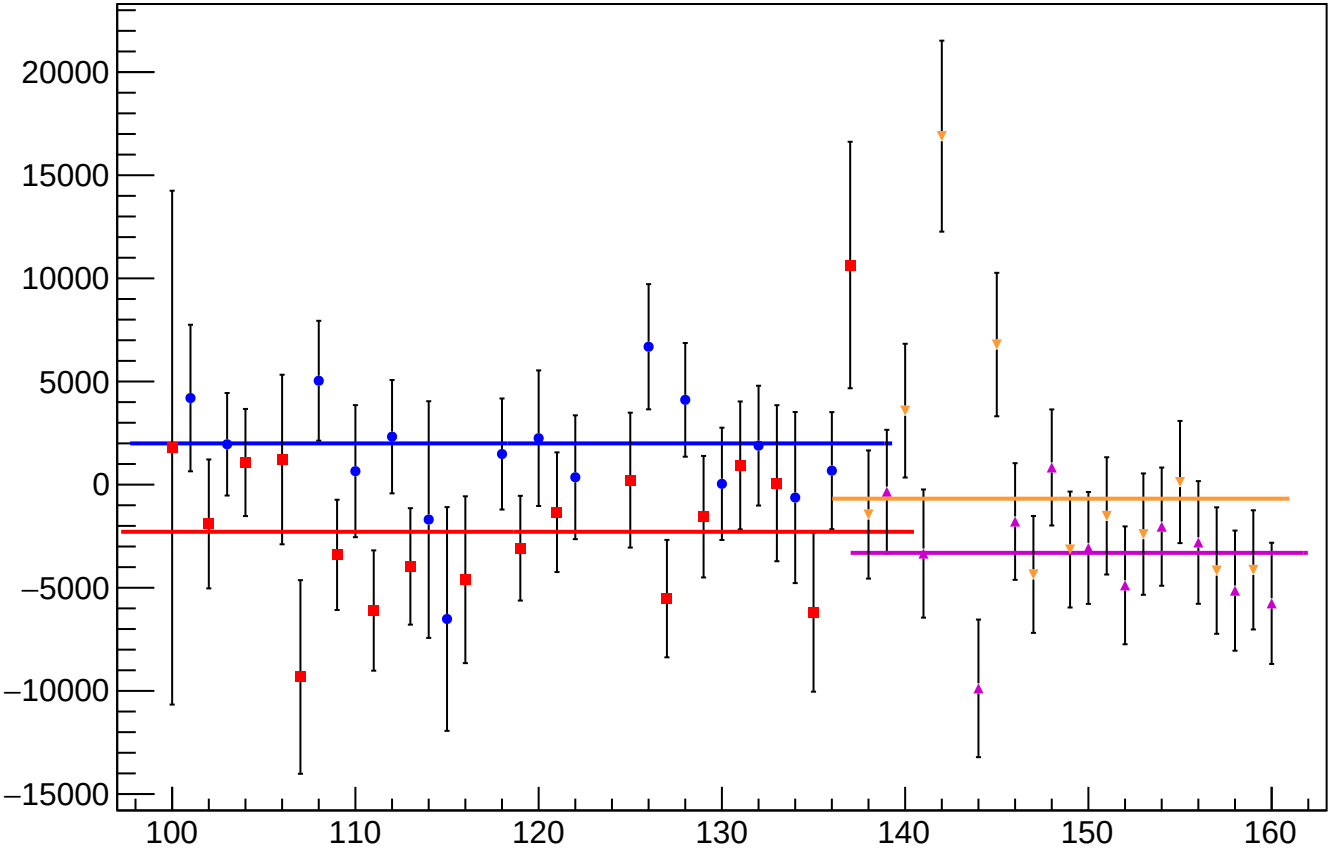
Left In: 9706.972+/-2.256 χ^2/NDF:483071.7/10

+ sign 7163.153+/-1.333 χ^2/NDF: 2716915.2/26

All: 7055.365+/-0.916 χ^2/NDF: 5906409.8/55

- 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: -680.277+/-928.920 χ^2/NDF:26.5/10

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

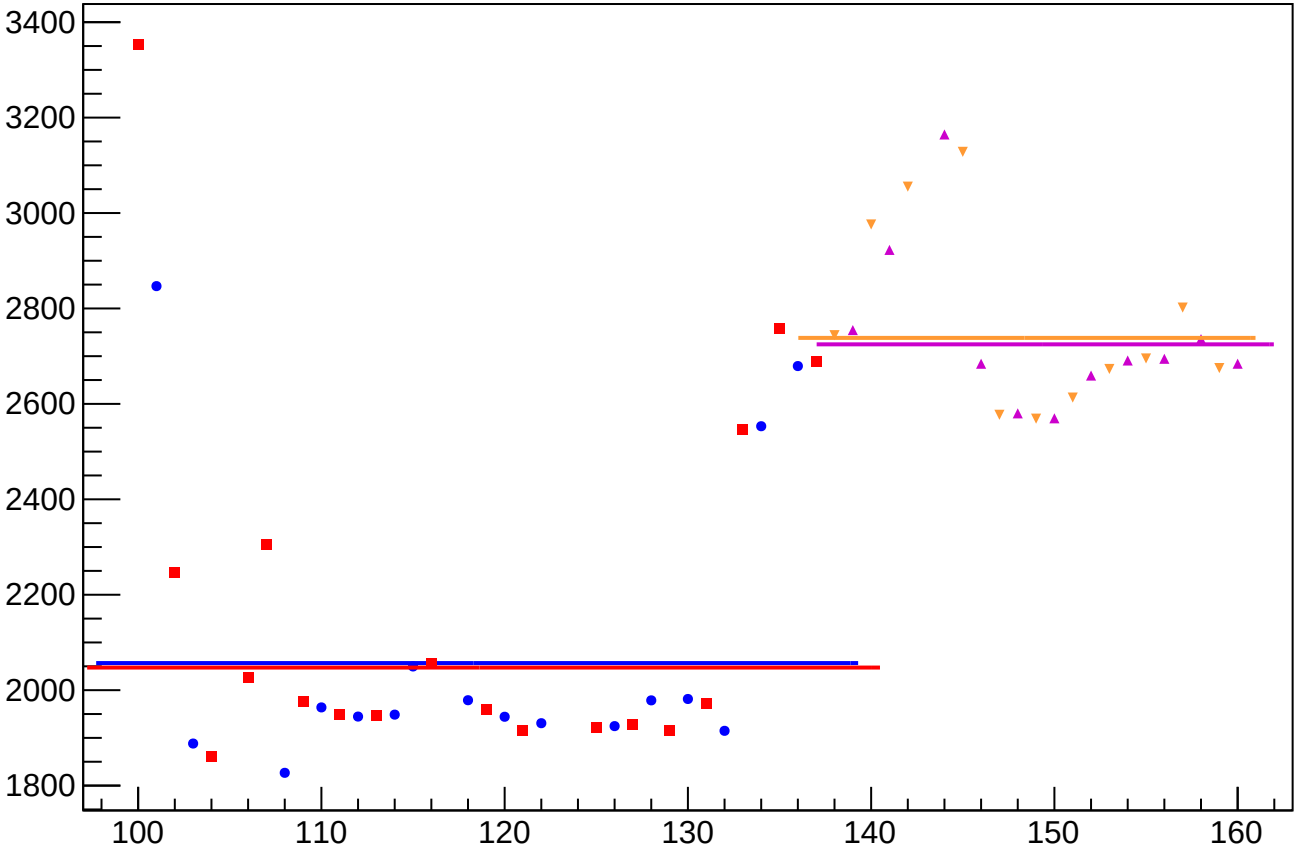
Left In: -3307.172+/-882.840 χ^2/NDF:8.9/10

+ sign 902.006+/-594.425 χ^2/NDF: 40.4/26

All: -954.917+/-415.439 χ^2/NDF: 85.8/55

- 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: 2738.325+/-0.657 χ^2/NDF:66110.8/10

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

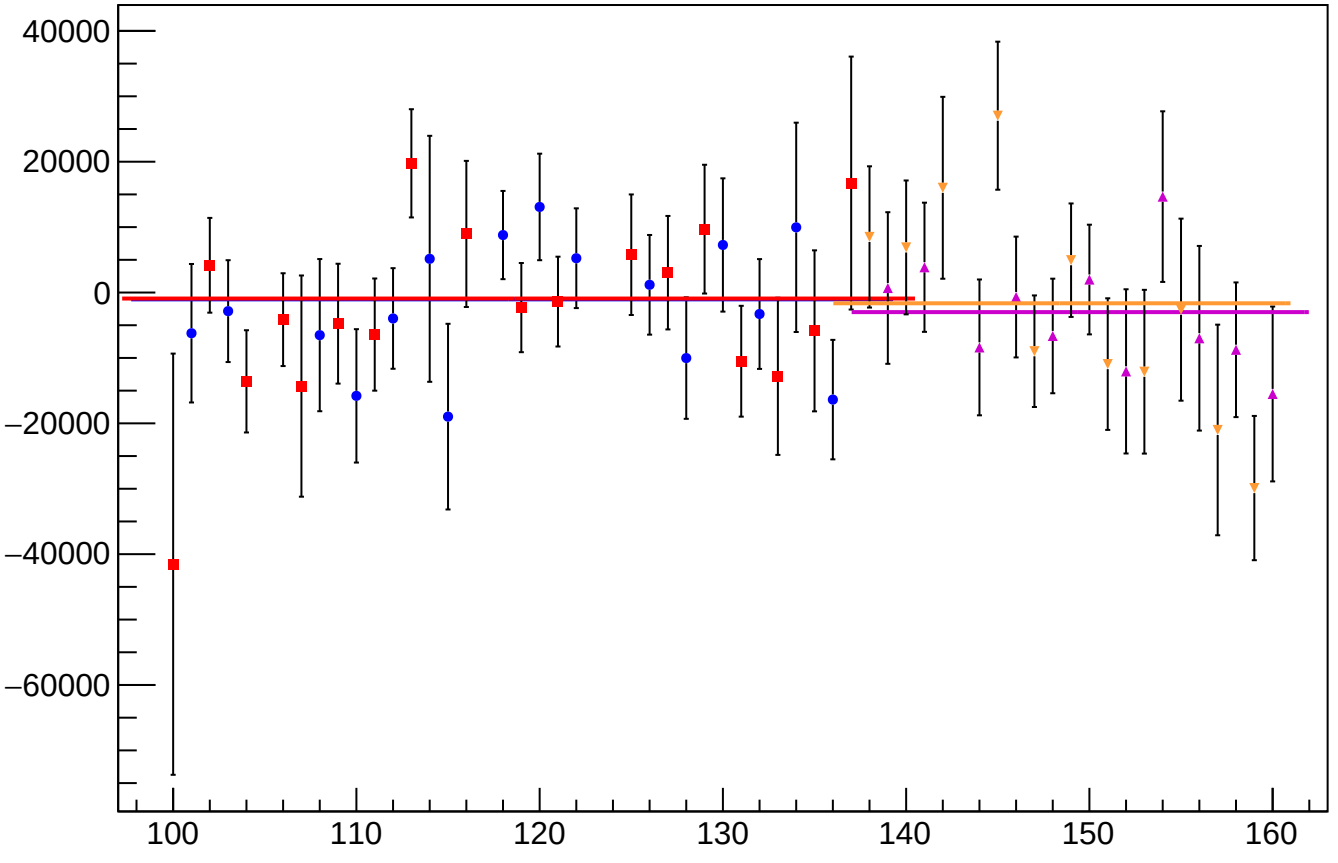
Left In: 2724.797+/-0.624 χ^2/NDF:57269.5/10

+ sign 2335.871+/-0.420 χ^2/NDF: 972296.9/26

All: 2338.049+/-0.294 χ^2/NDF: 1894793.6/55

- 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: -1644.191+/-3303.326 χ^2/NDF:20.5/10

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

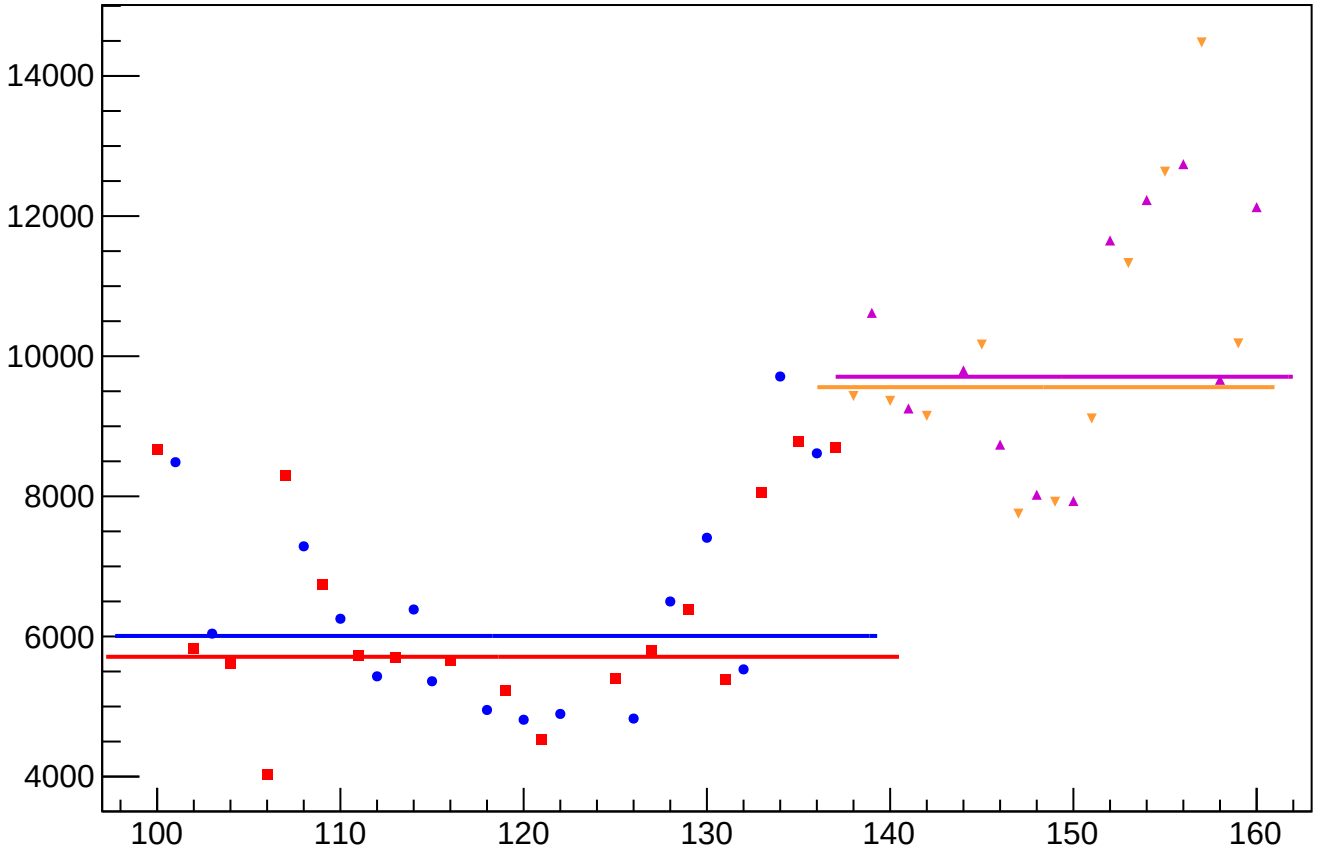
Left In: -2994.250+/-3190.588 χ^2/NDF:5.1/10

+ sign -1238.335+/-1884.549 χ^2/NDF: 35.8/26

All: -1412.186+/-1295.366 χ^2/NDF: 59.6/55

- 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: 9558.359+/-2.336 χ^2/NDF:504050.3/10

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

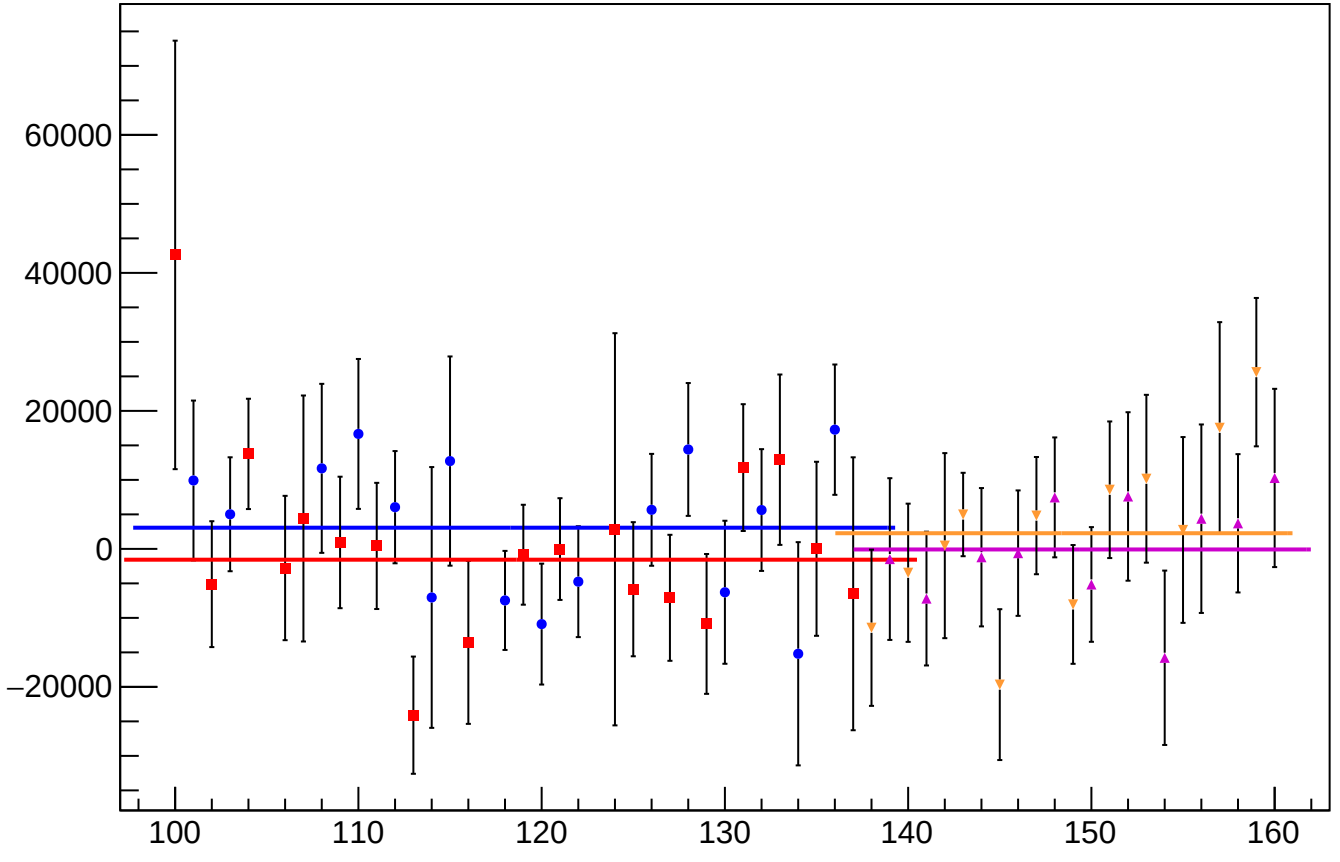
Left In: 9706.983+/-2.256 χ^2/NDF:483074.6/10

+ sign 7163.137+/-1.333 χ^2/NDF: 2716954.7/26

All: 7055.350+/-0.916 χ^2/NDF: 5906487.0/55

- 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: 2269.595+/-2865.082 χ^2/NDF:14.1/11

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

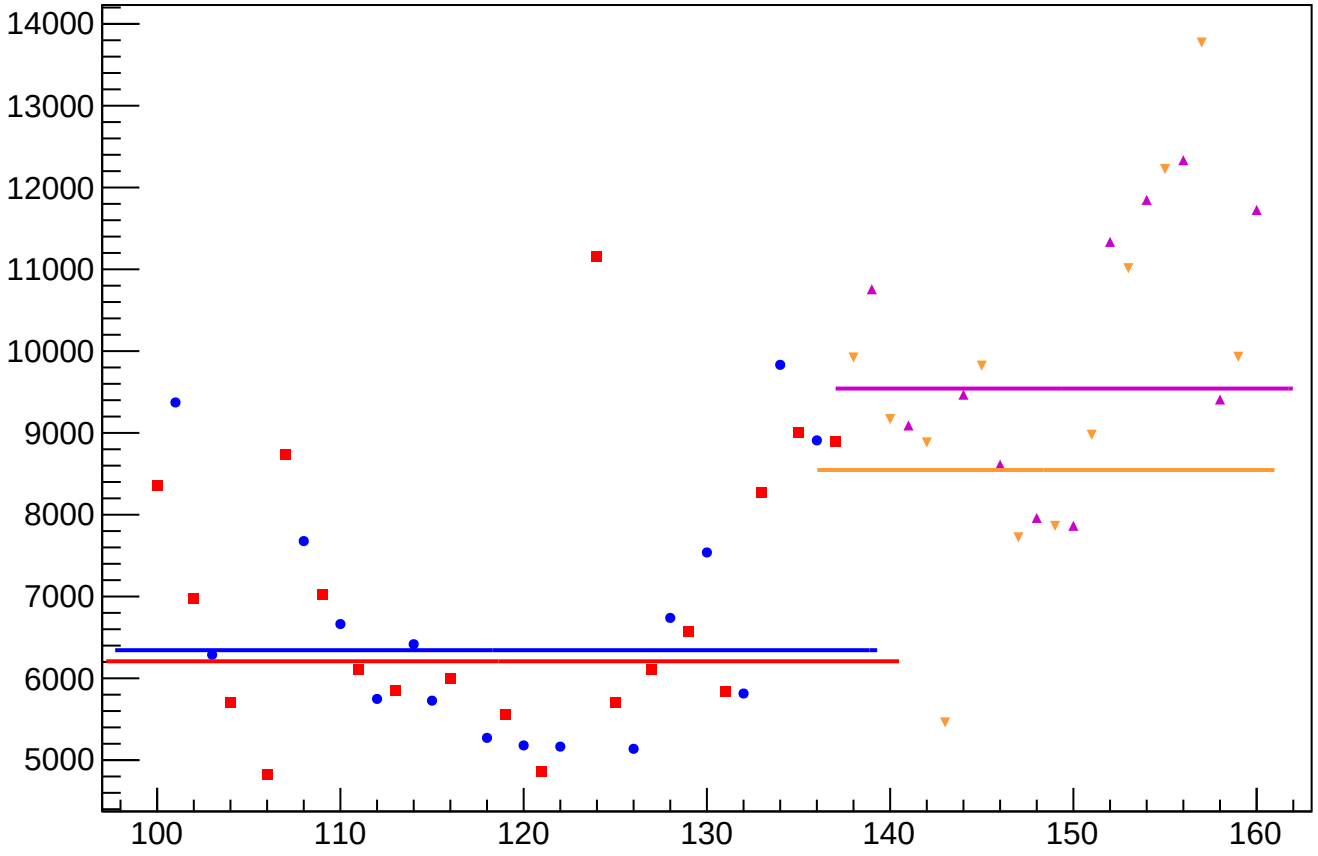
Left In: -83.870+/-3131.458 χ^2/NDF:4.5/10

+ sign 2736.784+/-1849.084 χ^2/NDF: 29.0/27

All: 873.566+/-1315.648 χ^2/NDF: 55.0/57

- 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: 8546.448+/-2.026 χ^2/NDF:1120096.0/11

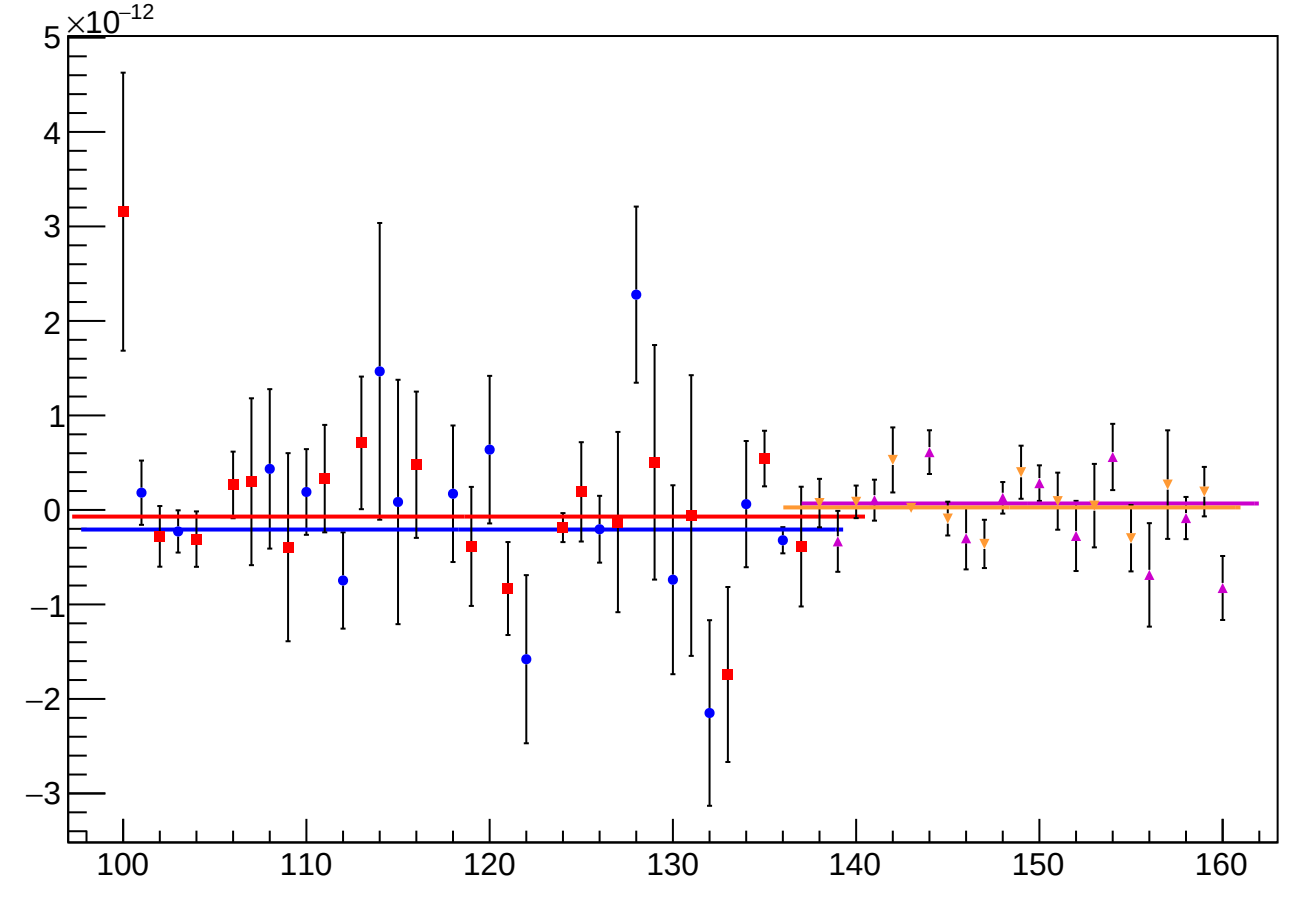
Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9542.310+/-2.214 χ^2/NDF:445381.5/10

+ sign 7261.250+/-1.307 χ^2/NDF: 2431054.4/27

All: 7329.800+/-0.930 χ^2/NDF: 4810625.7/57

- sign 7400.086+/-1.324 χ^2/NDF: 2374004.2/29



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/11

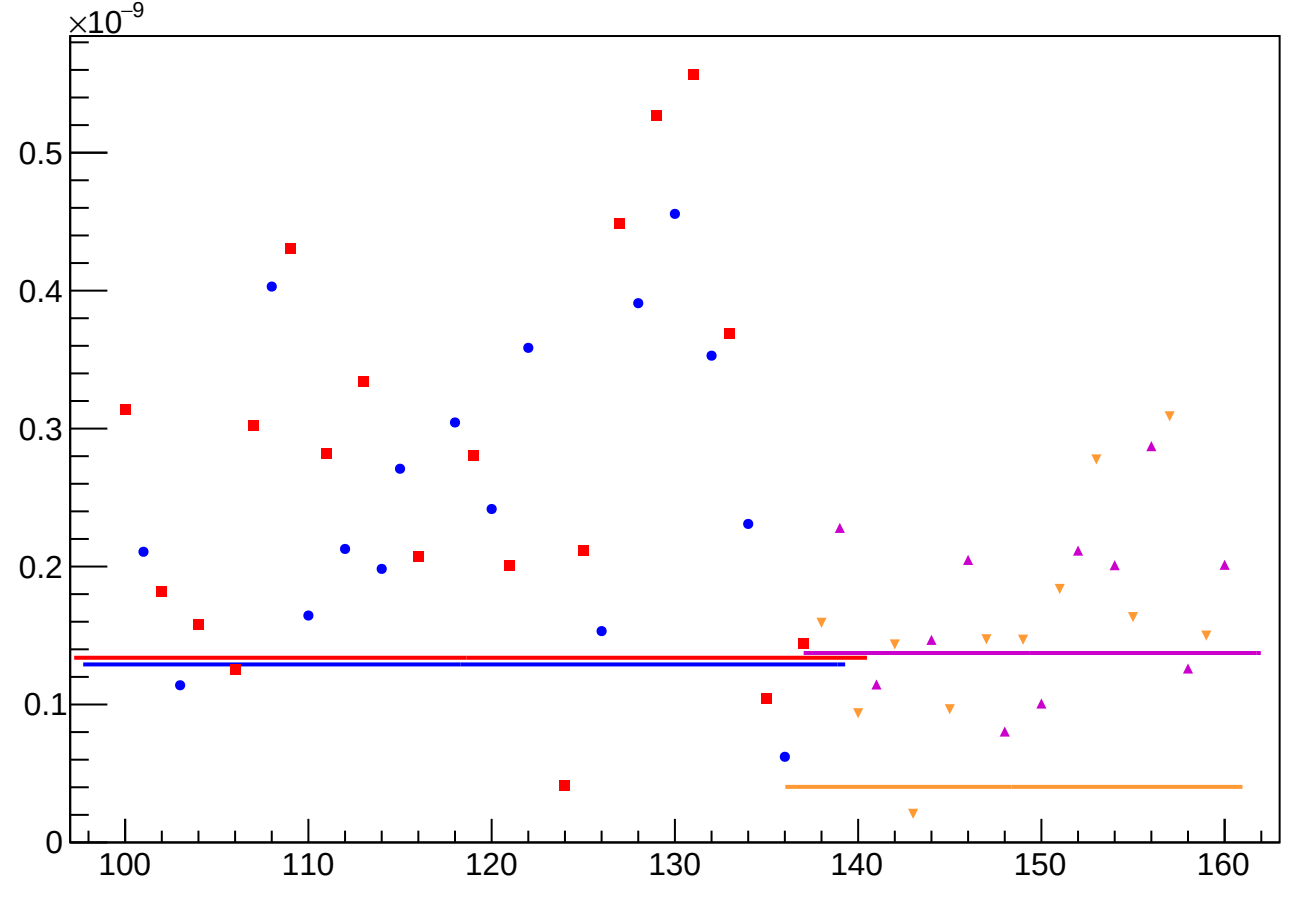
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:22.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 34.6/27

All: 0.000+/-0.000 χ^2/NDF: 78.7/57

- 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:4306255.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

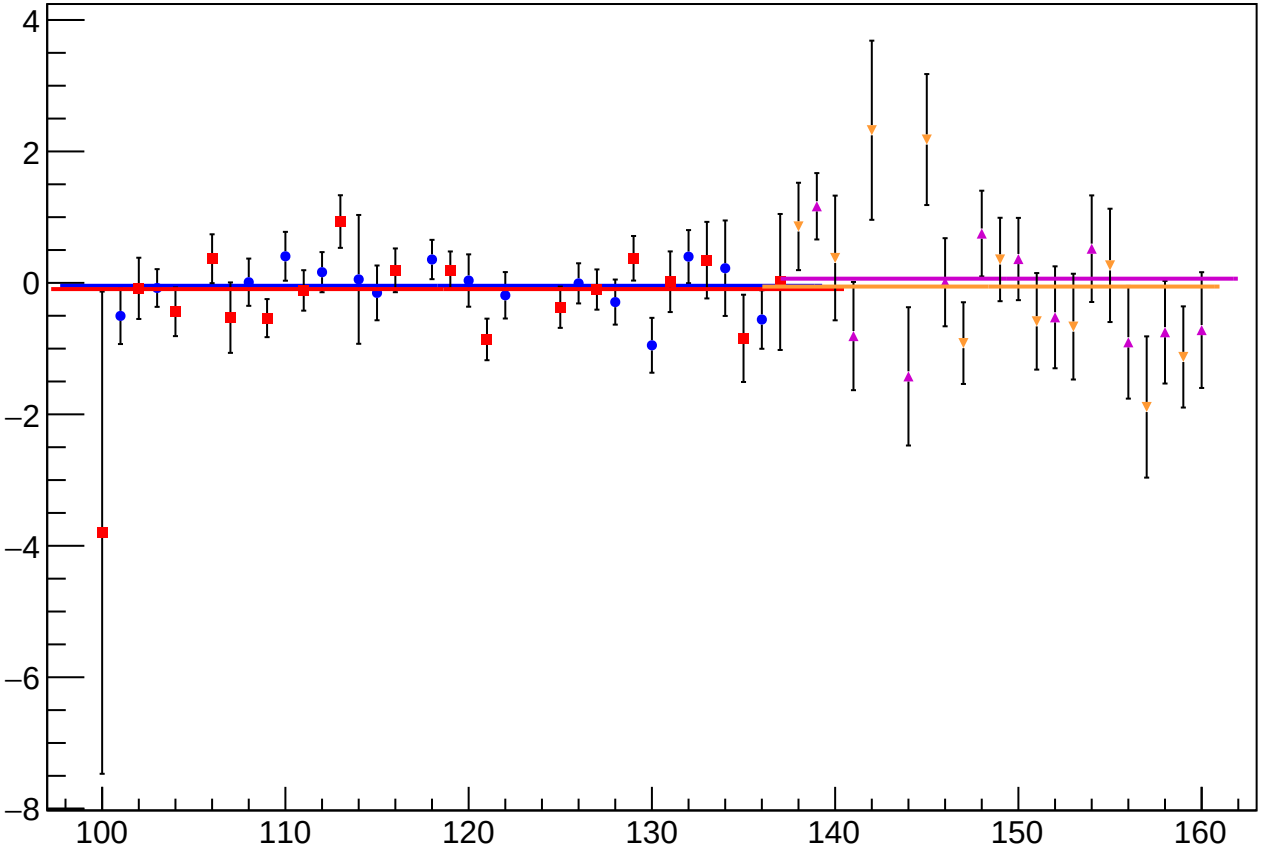
Left In: 0.000+/-0.000 χ^2/NDF:948065.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 7581924.1/27

All: 0.000+/-0.000 χ^2/NDF: 14143153.9/57

- 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: -0.056+/-0.240 χ^2/NDF:18.6/10

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

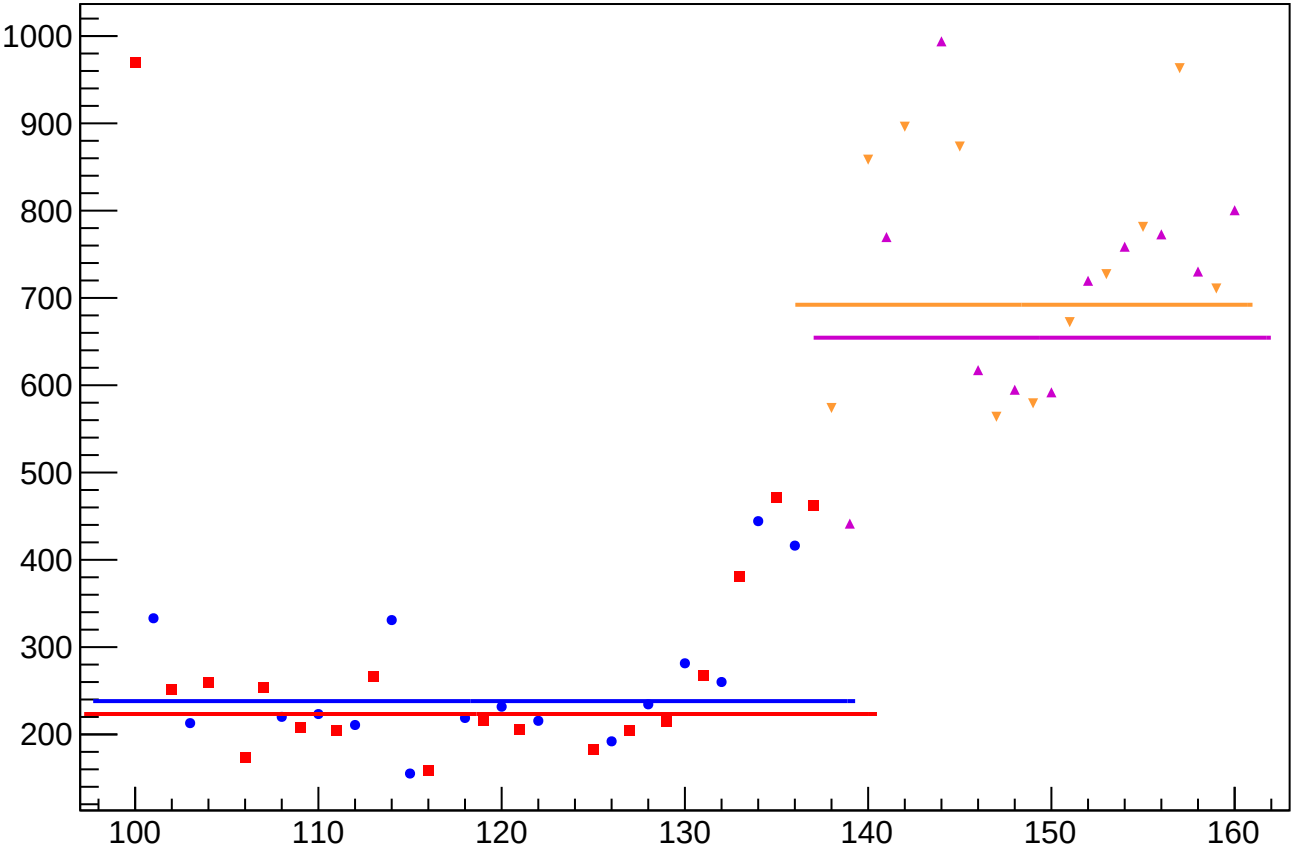
Left In: 0.064+/-0.219 χ^2/NDF:13.3/10

+ sign -0.046+/-0.087 χ^2/NDF: 31.7/26

All: -0.059+/-0.060 χ^2/NDF: 70.7/55

- 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: 692.198+/-0.170 χ^2/NDF:539273.4/10

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

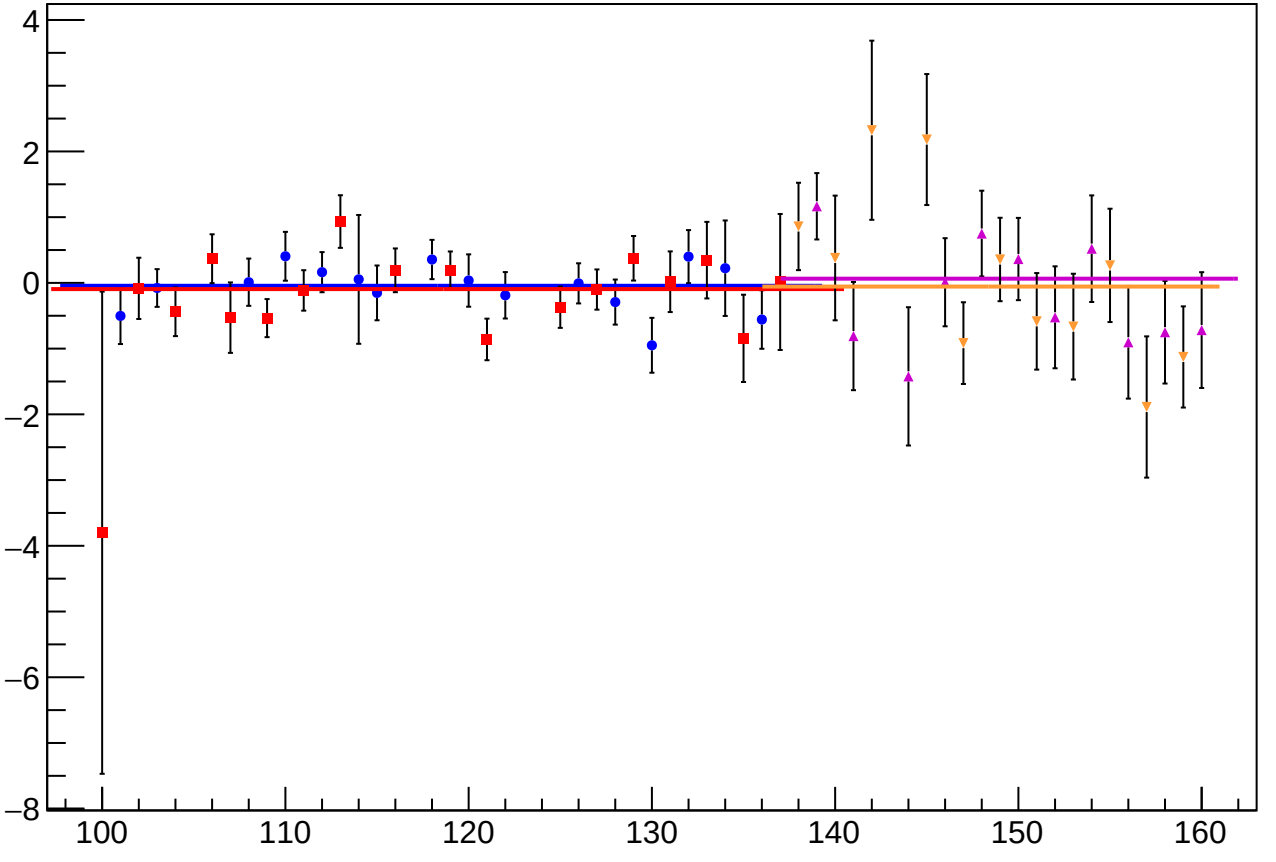
Left In: 654.456+/-0.155 χ^2/NDF:805318.2/10

+ sign 298.111+/-0.062 χ^2/NDF: 7533519.1/26

All: 291.687+/-0.043 χ^2/NDF: 15865599.4/55

- 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: -0.056+/-0.240 χ^2/NDF:18.6/10

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

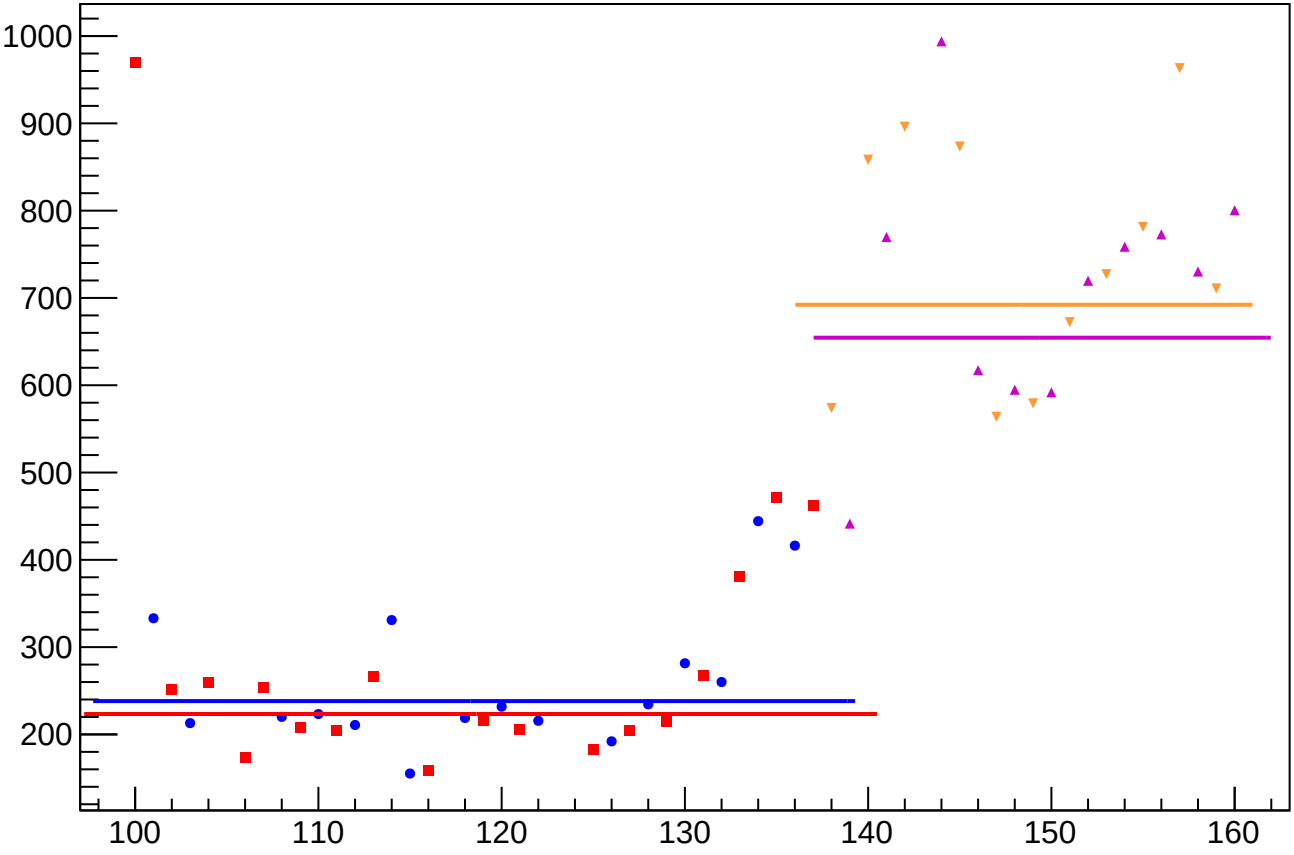
Left In: 0.064+/-0.219 χ^2/NDF:13.3/10

+ sign -0.046+/-0.087 χ^2/NDF: 31.7/26

All: -0.059+/-0.060 χ^2/NDF: 70.7/55

- 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: 692.198+/-0.170 χ^2/NDF:539273.4/10

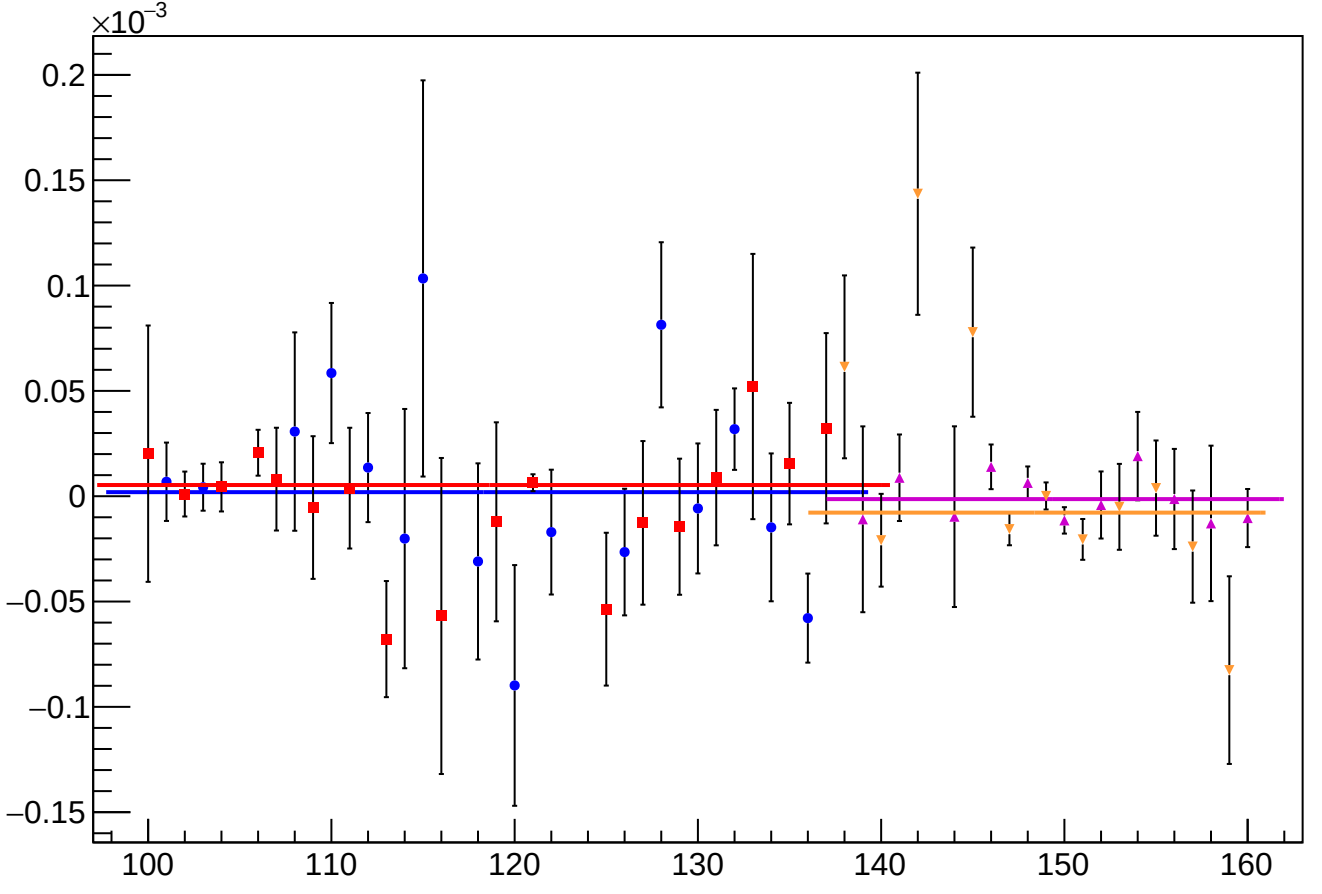
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 654.456+/-0.155 χ^2/NDF:805318.2/10

+ sign 298.111+/-0.062 χ^2/NDF: 7533519.1/26

All: 291.687+/-0.043 χ^2/NDF: 15865599.4/55

- sign 285.855+/-0.059 χ^2/NDF: 8311458.8/28



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/10

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

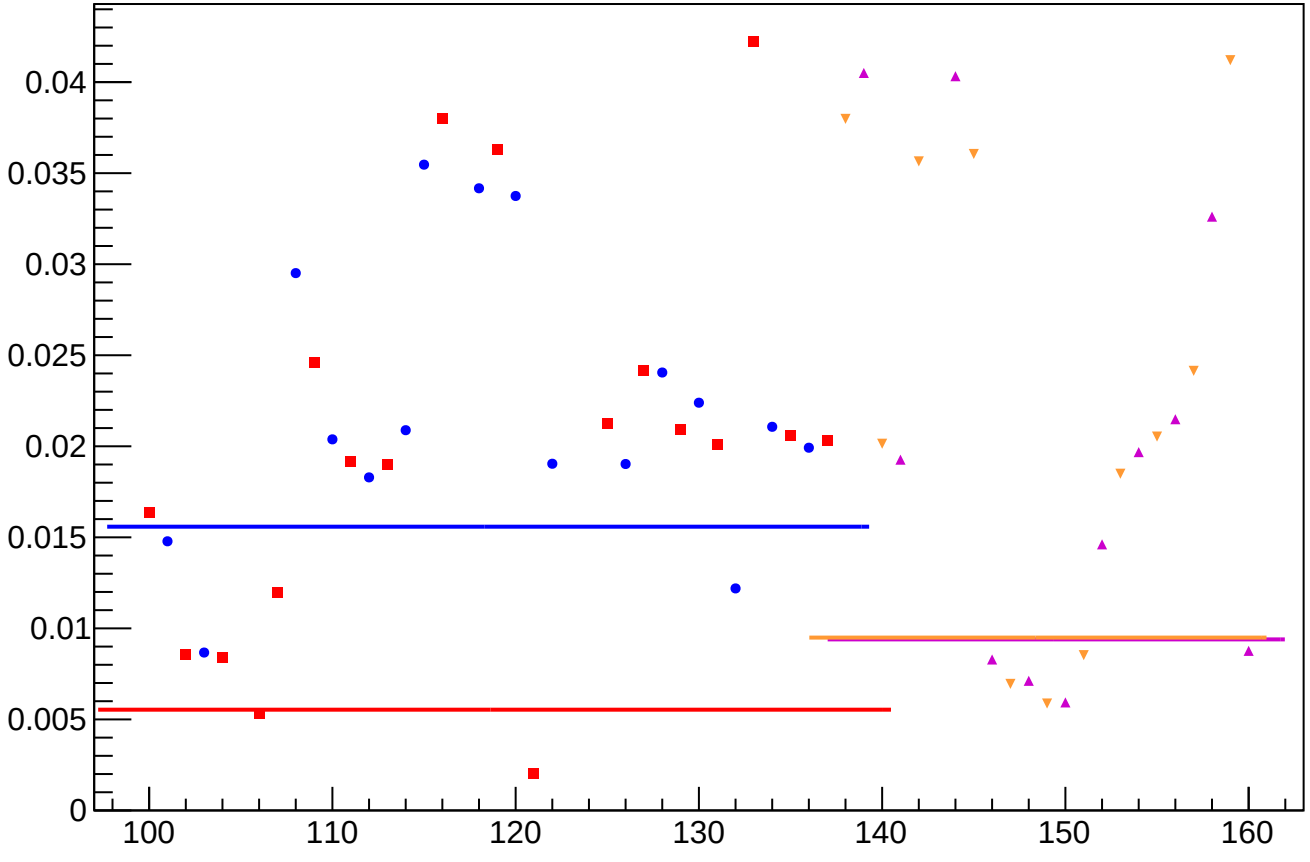
Left In: -0.000+/-0.000 χ^2/NDF:7.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 47.8/26

All: -0.000+/-0.000 χ^2/NDF: 74.9/55

- 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:5978033.8/10

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

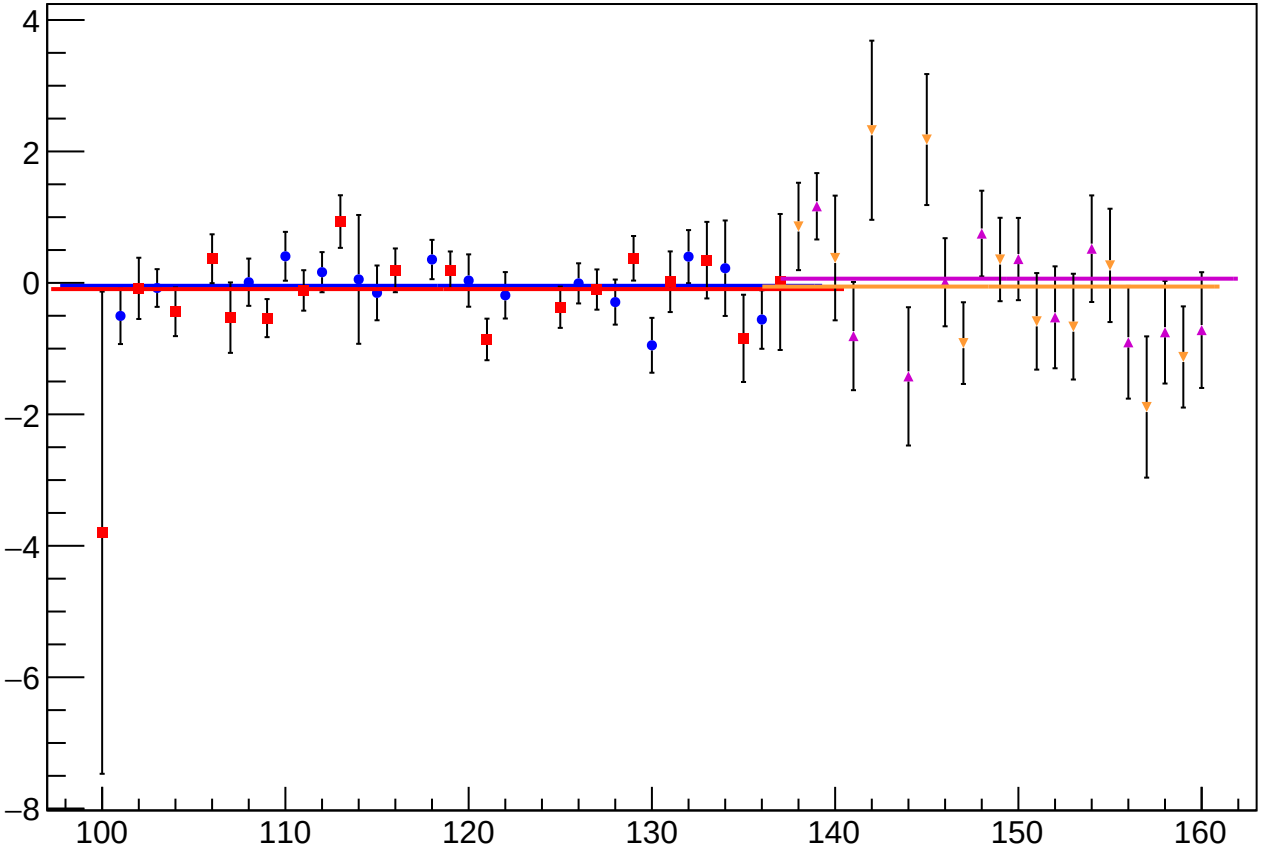
Left In: 0.009+/-0.000 χ^2/NDF:5306331.3/10

+ sign 0.011+/-0.000 χ^2/NDF: 9357678.4/26

All: 0.009+/-0.000 χ^2/NDF: 25733178.7/55

- 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: -0.056+/-0.241 χ^2/NDF:18.6/10

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

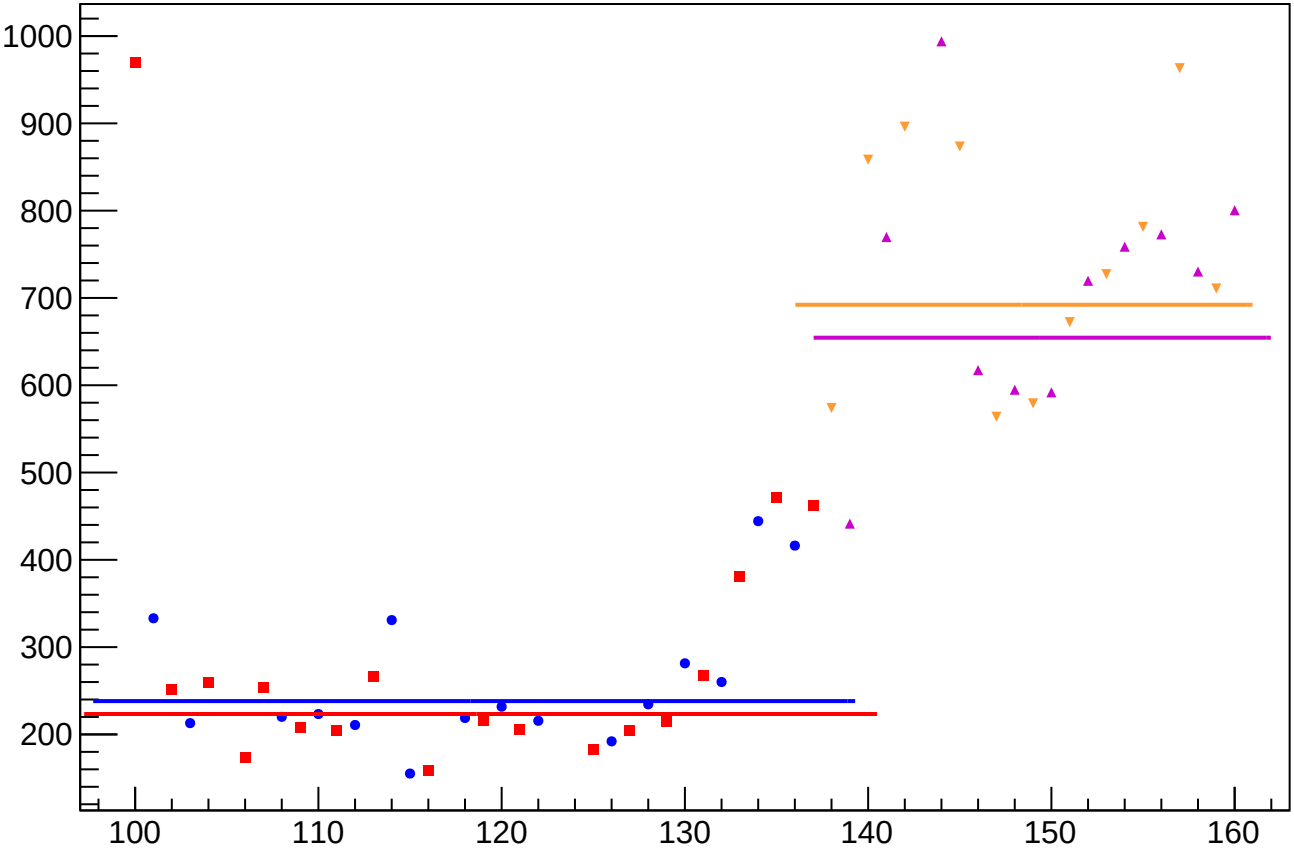
Left In: 0.064+/-0.219 χ^2/NDF:13.3/10

+ sign -0.046+/-0.087 χ^2/NDF: 31.7/26

All: -0.059+/-0.060 χ^2/NDF: 70.7/55

- 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: 692.205+/-0.170 χ^2/NDF:539322.2/10

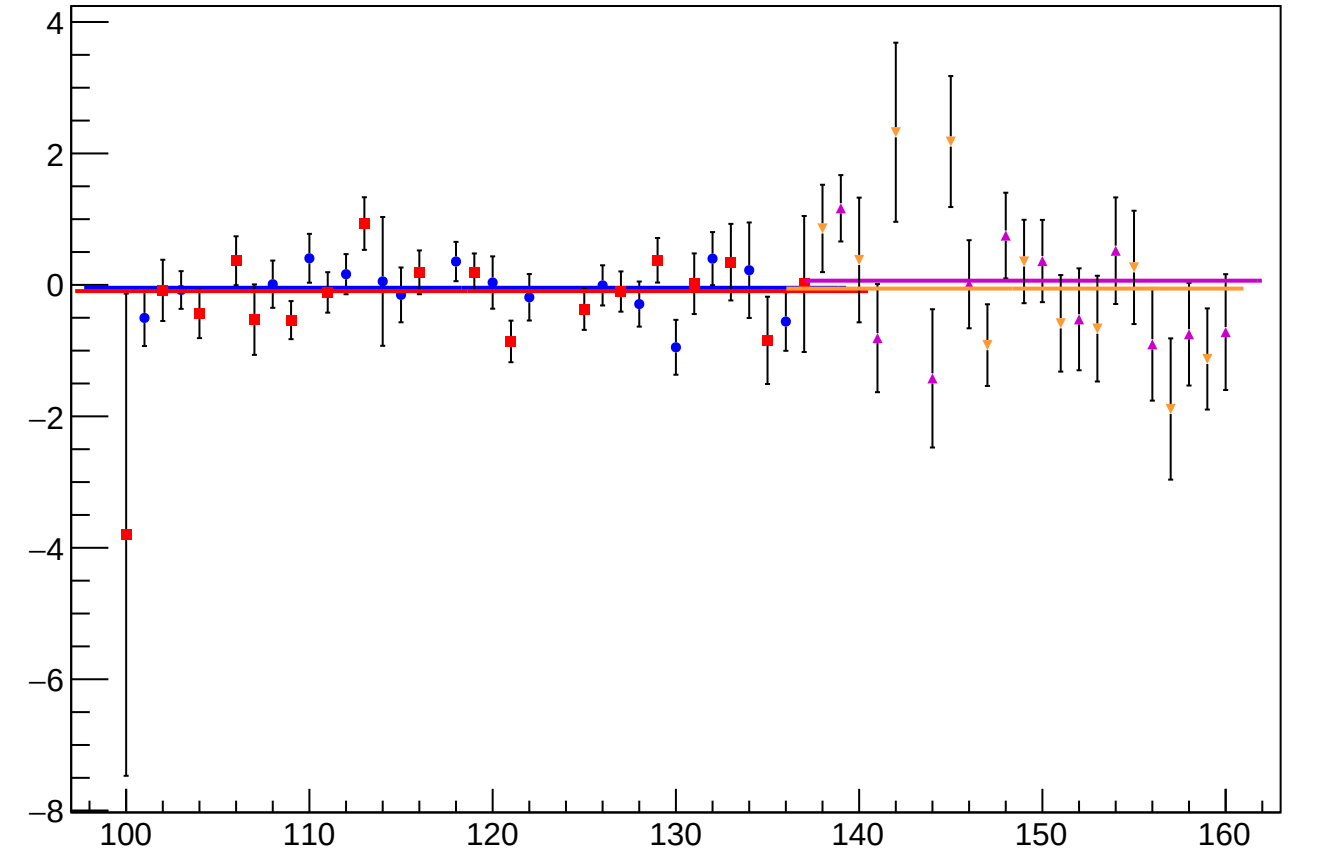
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 654.466+/-0.155 χ^2/NDF:805306.6/10

+ sign 298.112+/-0.062 χ^2/NDF: 7533578.8/26

All: 291.688+/-0.043 χ^2/NDF: 15865662.8/55

- 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: -0.056+/-0.241 χ^2/NDF:18.6/10

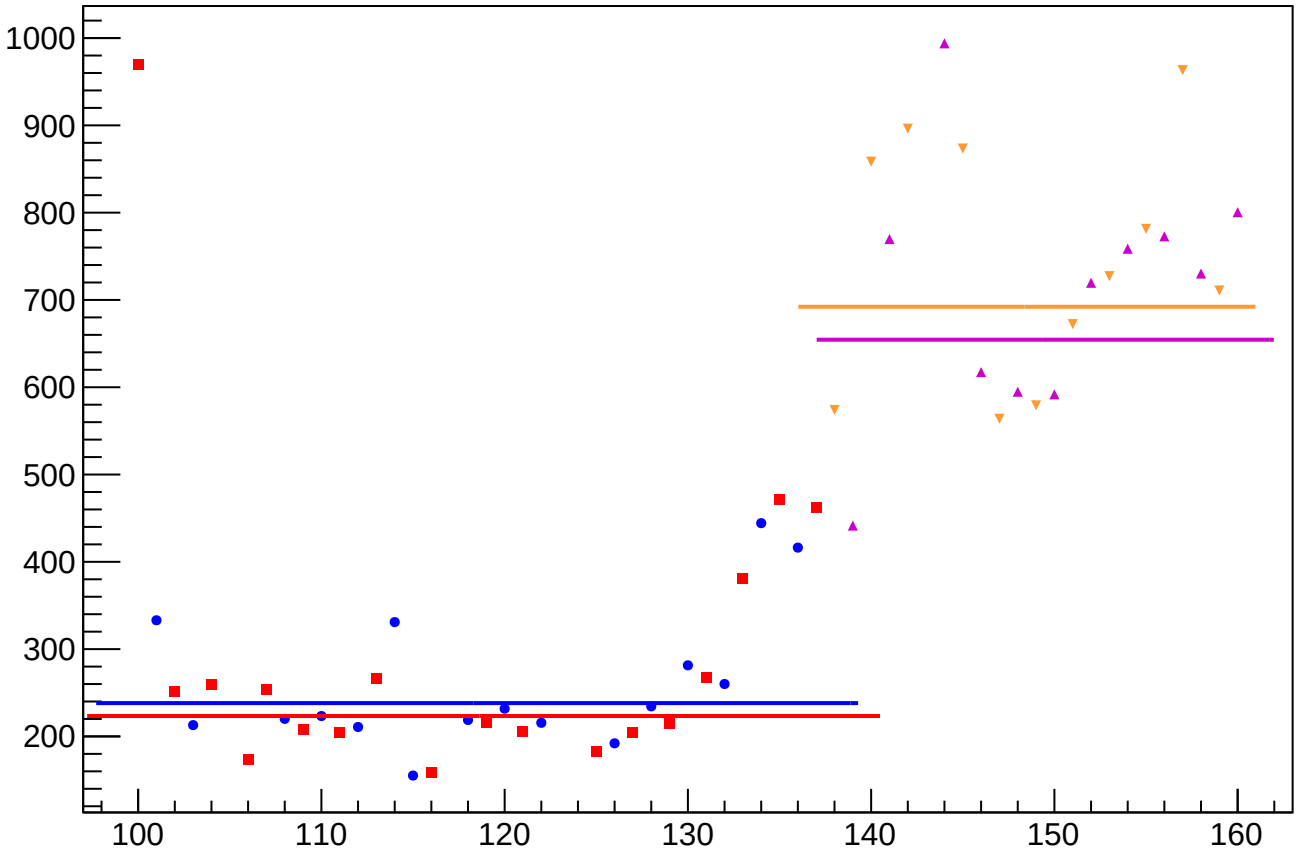
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.064+/-0.219 χ^2/NDF:13.3/10

+ sign -0.046+/-0.087 χ^2/NDF: 31.7/26

All: -0.059+/-0.060 χ^2/NDF: 70.7/55

- 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: 692.205+/-0.170 χ^2/NDF:539322.2/10

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

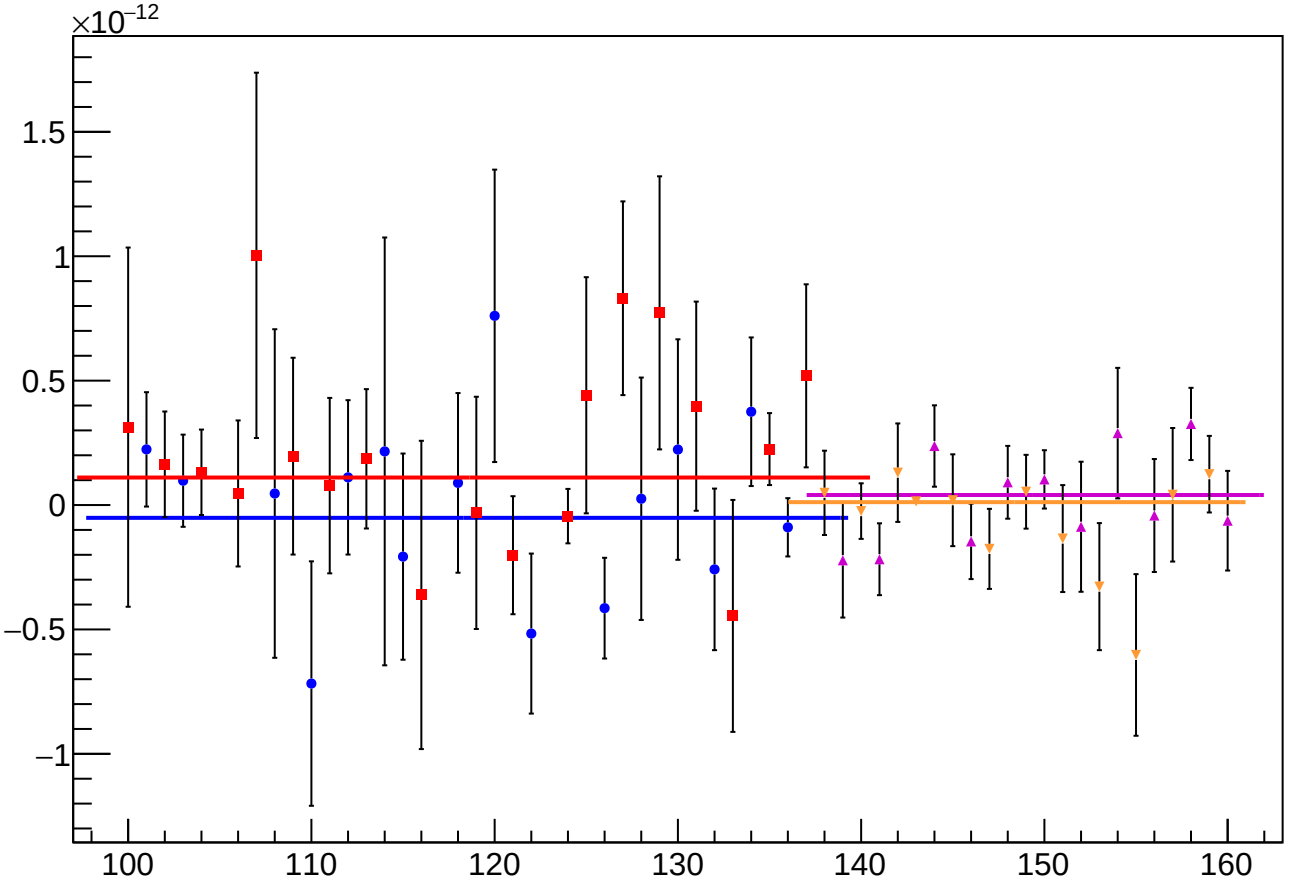
Left In: 654.466+/-0.155 χ^2/NDF:805306.6/10

+ sign 298.112+/-0.062 χ^2/NDF: 7533578.8/26

All: 291.688+/-0.043 χ^2/NDF: 15865662.8/55

- 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:8.3/11

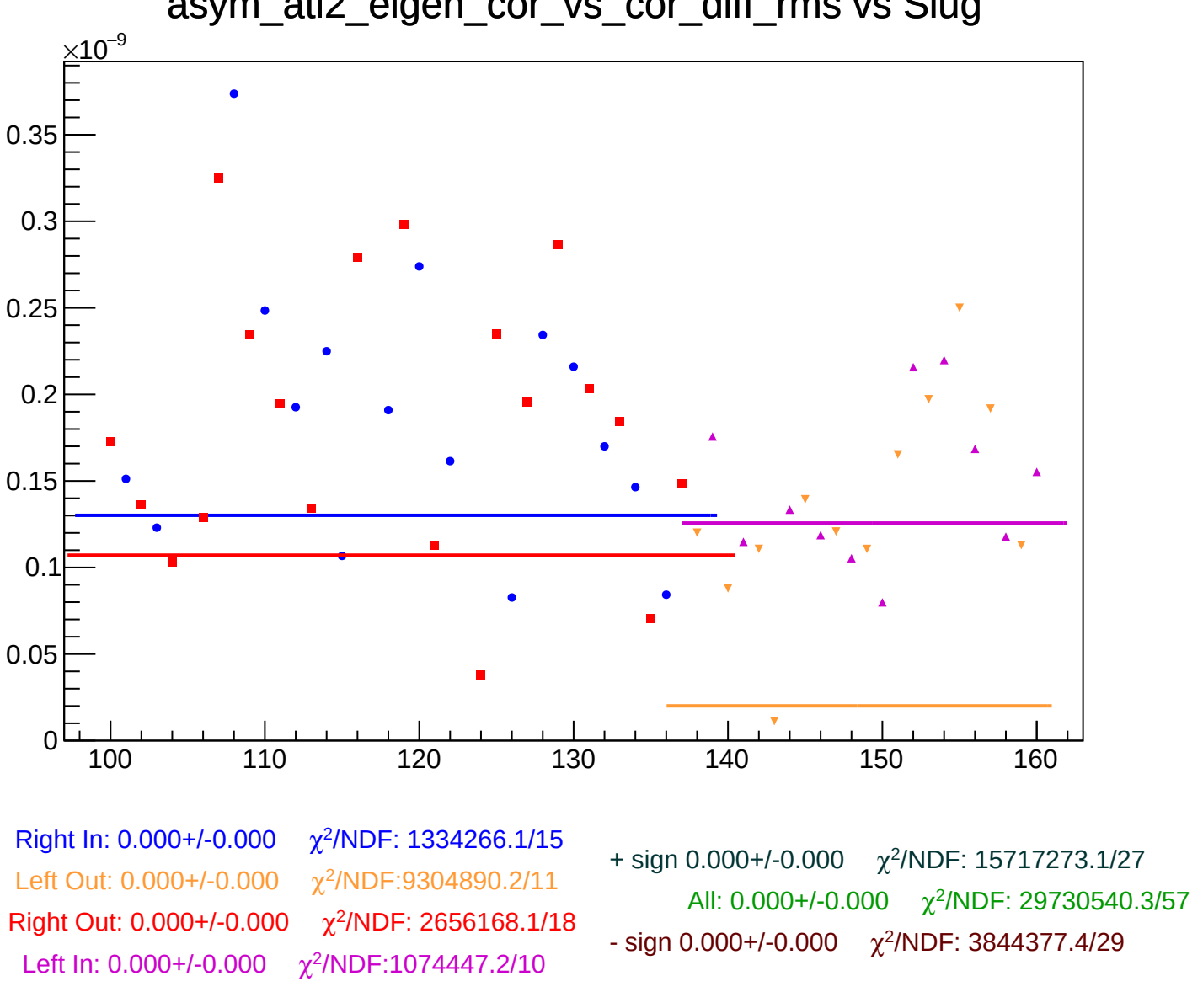
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

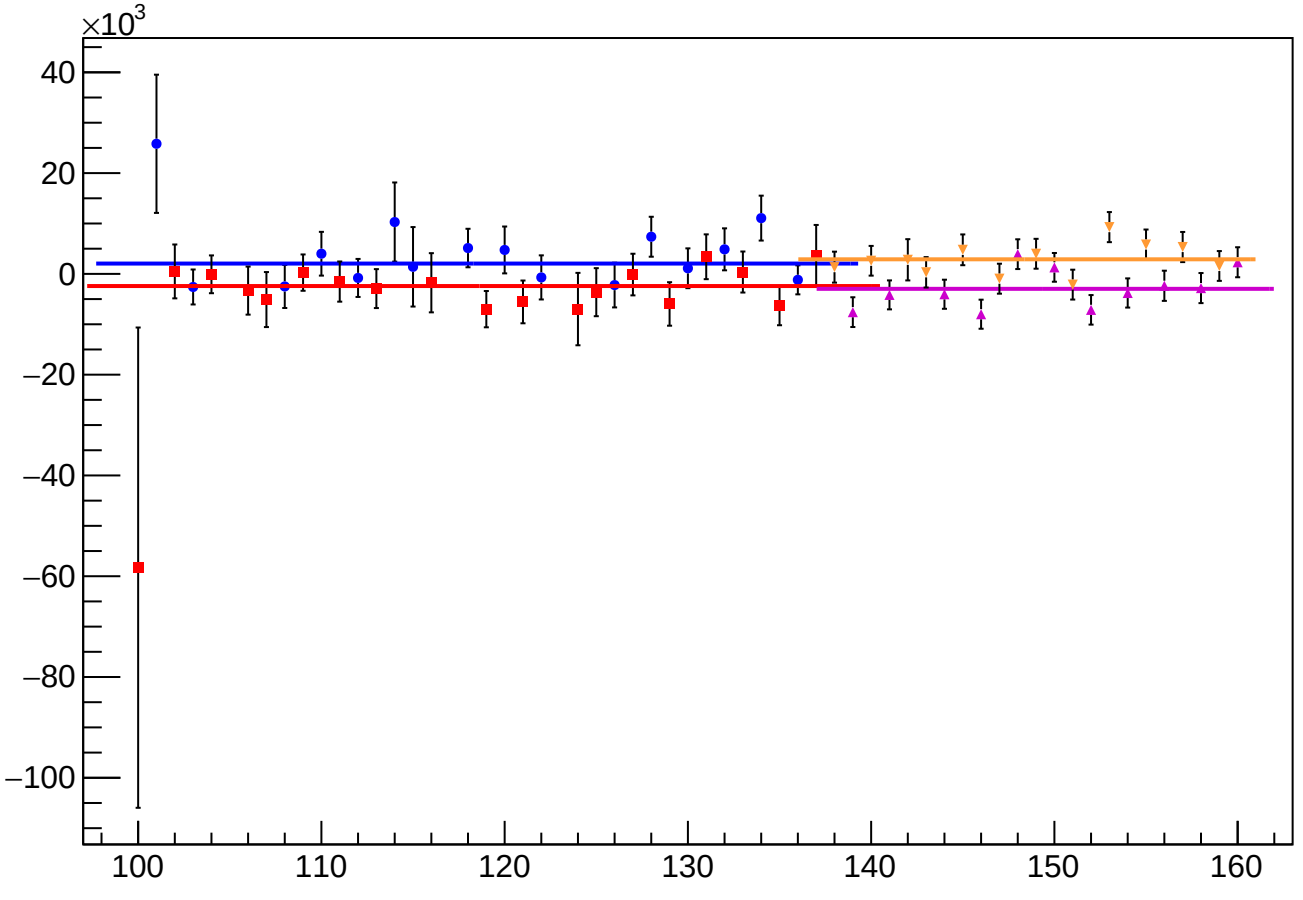
Left In: 0.000+/-0.000 χ^2/NDF:13.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 24.0/27

All: 0.000+/-0.000 χ^2/NDF: 55.6/57

- 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:9304890.2/11
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: 15717273.1/27
All: 0.000+/-0.000 χ²/NDF: 29730540.3/57
- sign 0.000+/-0.000 χ²/NDF: 3844377.4/29



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2893.081+/-880.759 χ^2/NDF:12.5/11

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

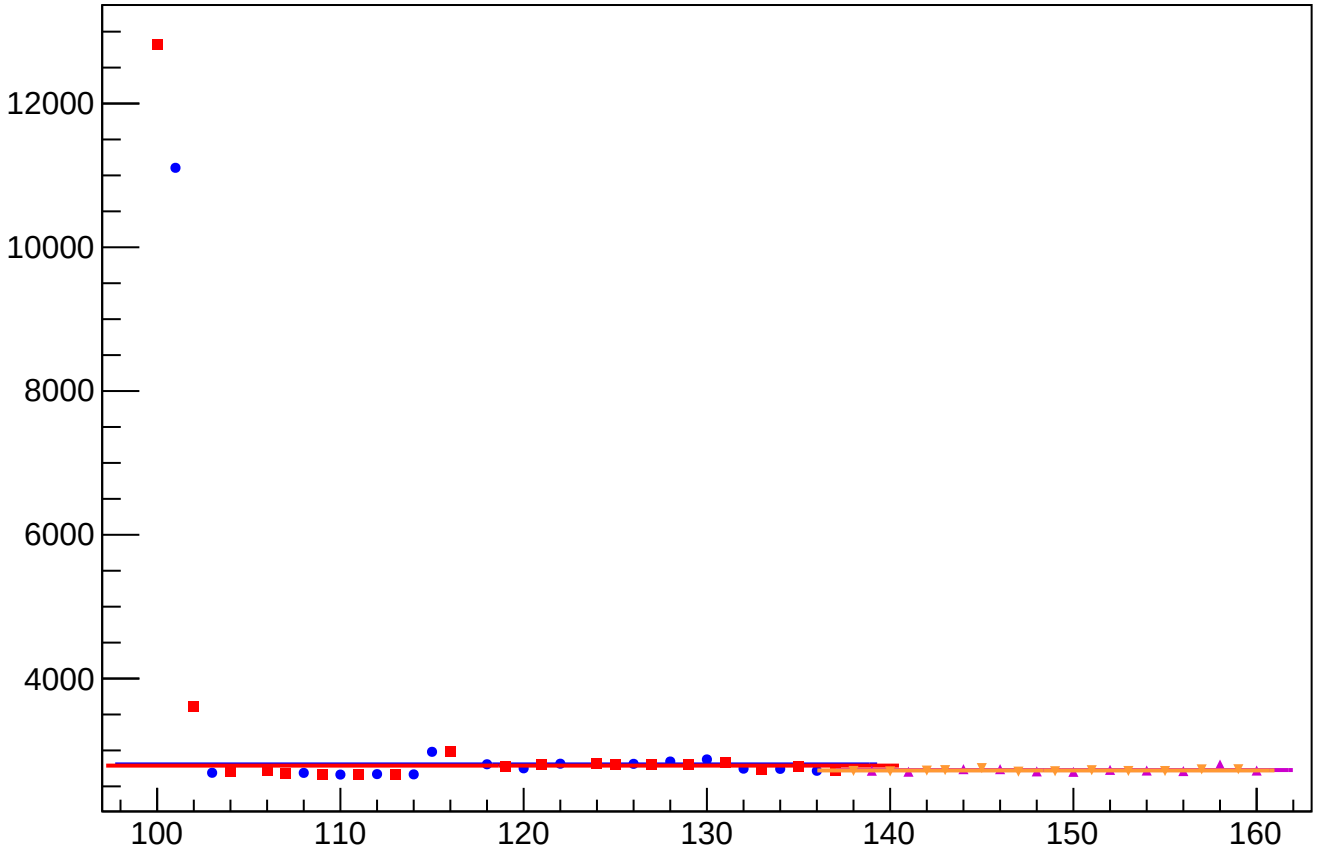
Left In: -2967.006+/-882.018 χ^2/NDF:18.8/10

+ sign 2552.510+/-680.116 χ^2/NDF: 30.6/27

All: -124.442+/-477.820 χ^2/NDF: 90.9/57

- 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: 2721.755+/-0.623 χ^2/NDF:513.7/11

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

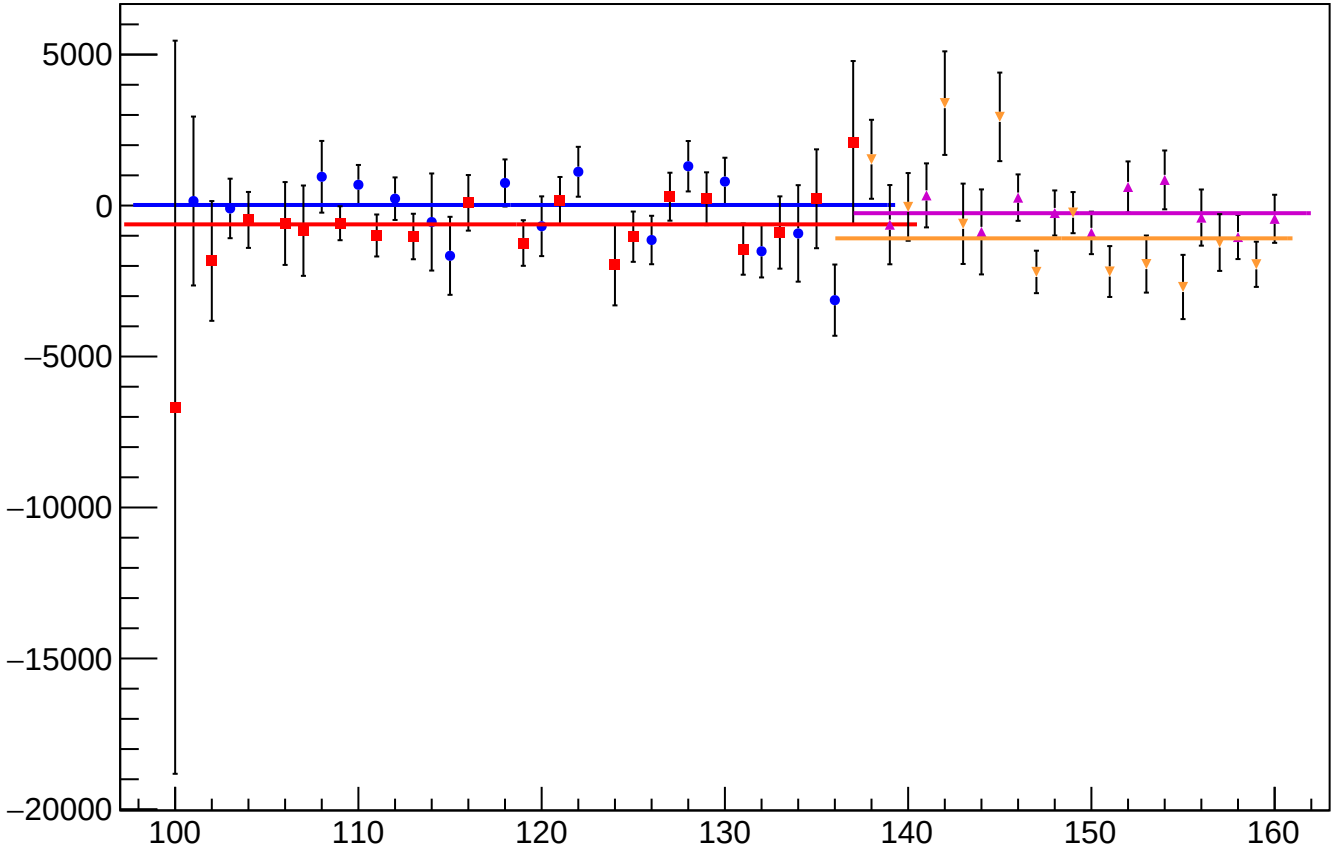
Left In: 2726.989+/-0.624 χ^2/NDF:1831.1/10

+ sign 2755.542+/-0.481 χ^2/NDF: 754044.7/27

All: 2754.249+/-0.338 χ^2/NDF: 907021.2/57

- 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: -1086.204+/-274.686 χ^2/NDF:29.6/11

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

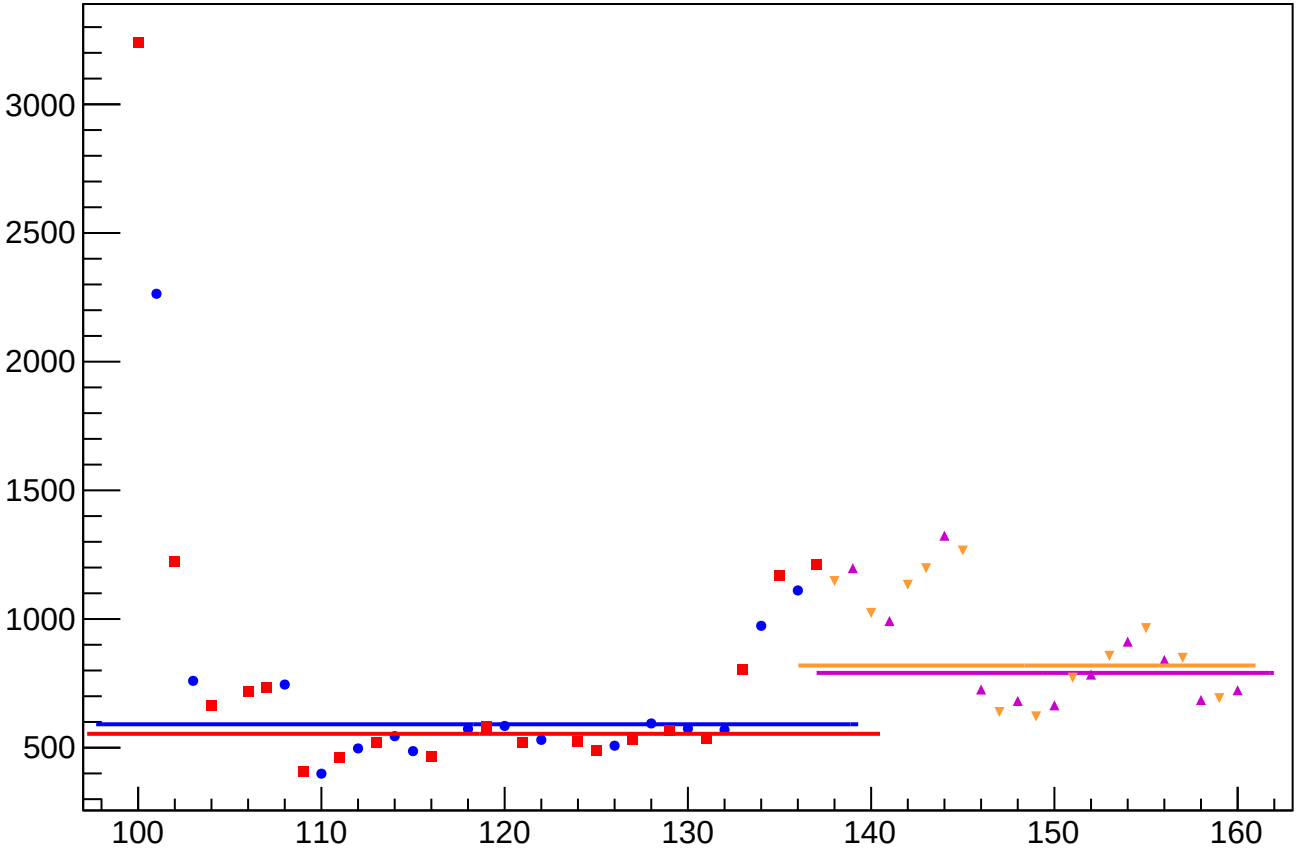
Left In: -253.074+/-262.218 χ^2/NDF:5.5/10

+ sign -444.586+/-177.900 χ^2/NDF: 61.7/27

All: -460.017+/-121.640 χ^2/NDF: 77.7/57

- 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: 819.394+/-0.194 χ^2/NDF:1013145.1/11

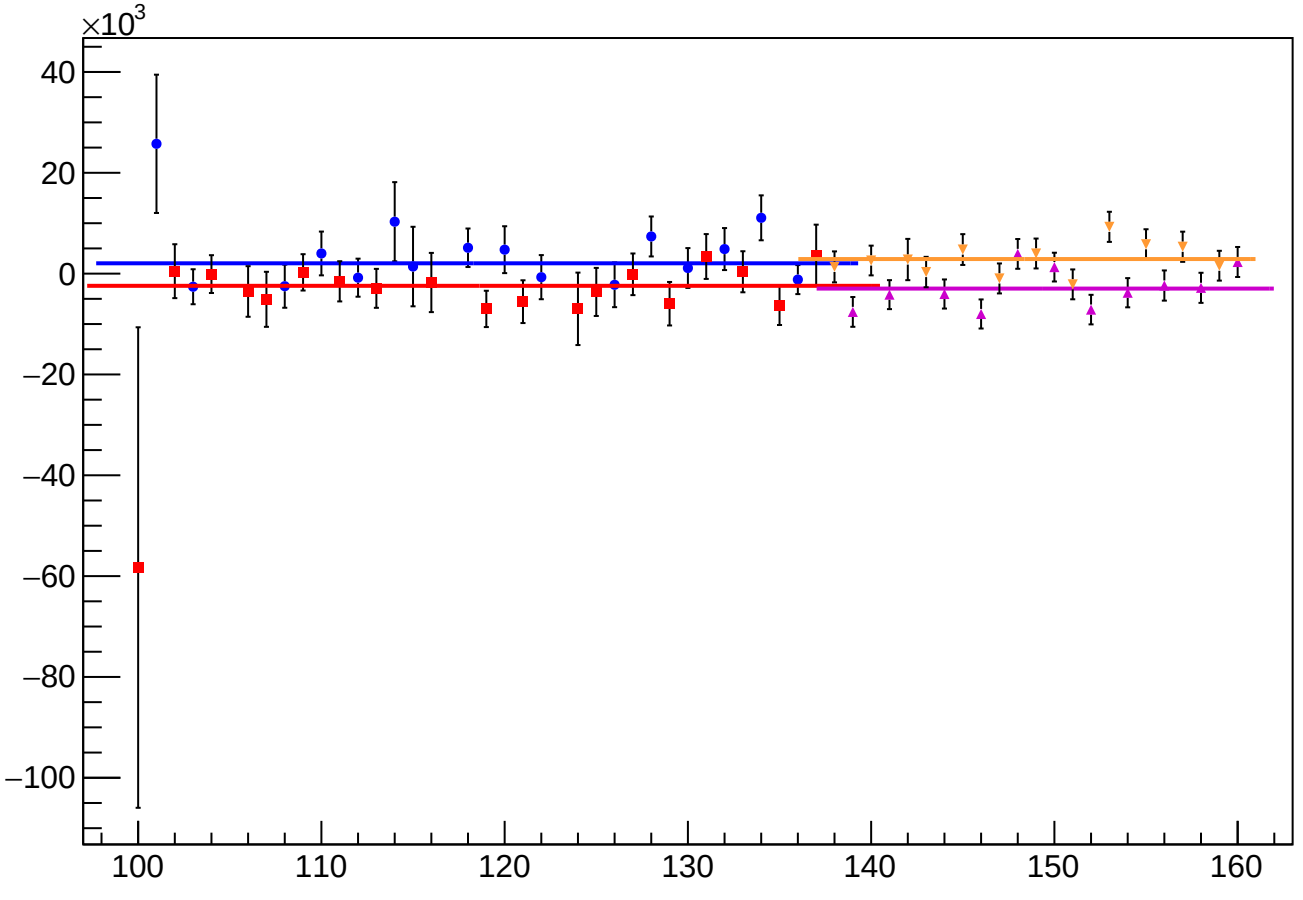
Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 790.659+/-0.185 χ^2/NDF:765329.8/10

+ sign 686.823+/-0.126 χ^2/NDF: 3383244.8/27

All: 667.019+/-0.086 χ^2/NDF: 6282923.4/57

- sign 649.631+/-0.118 χ^2/NDF: 2853131.5/29



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2893.133+/-880.759 χ^2/NDF:12.5/11

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

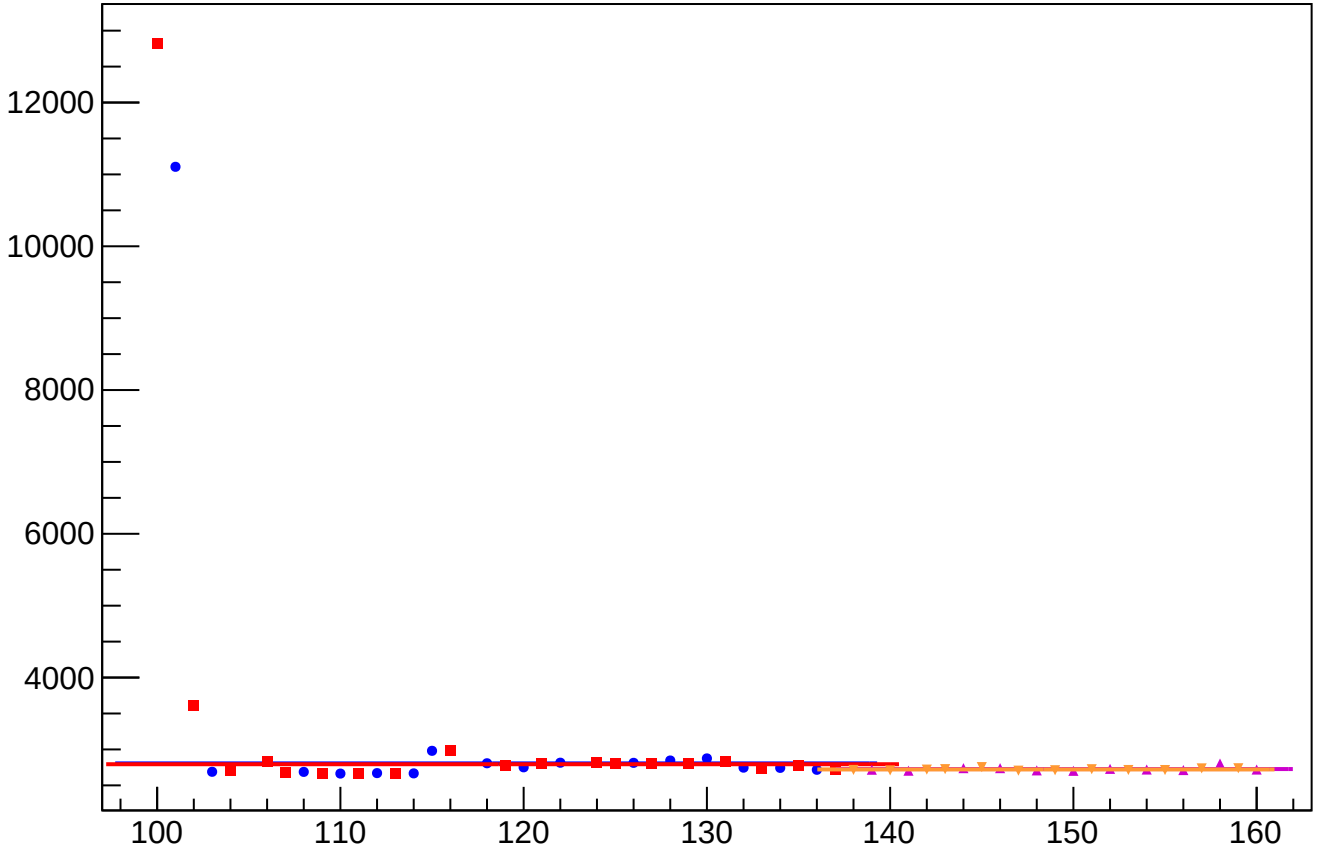
Left In: -2967.032+/-882.018 χ^2/NDF:18.8/10

+ sign 2552.216+/-680.116 χ^2/NDF: 30.6/27

All: -123.640+/-478.054 χ^2/NDF: 90.9/57

- 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: 2721.755+/-0.623 χ^2/NDF:513.7/11

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

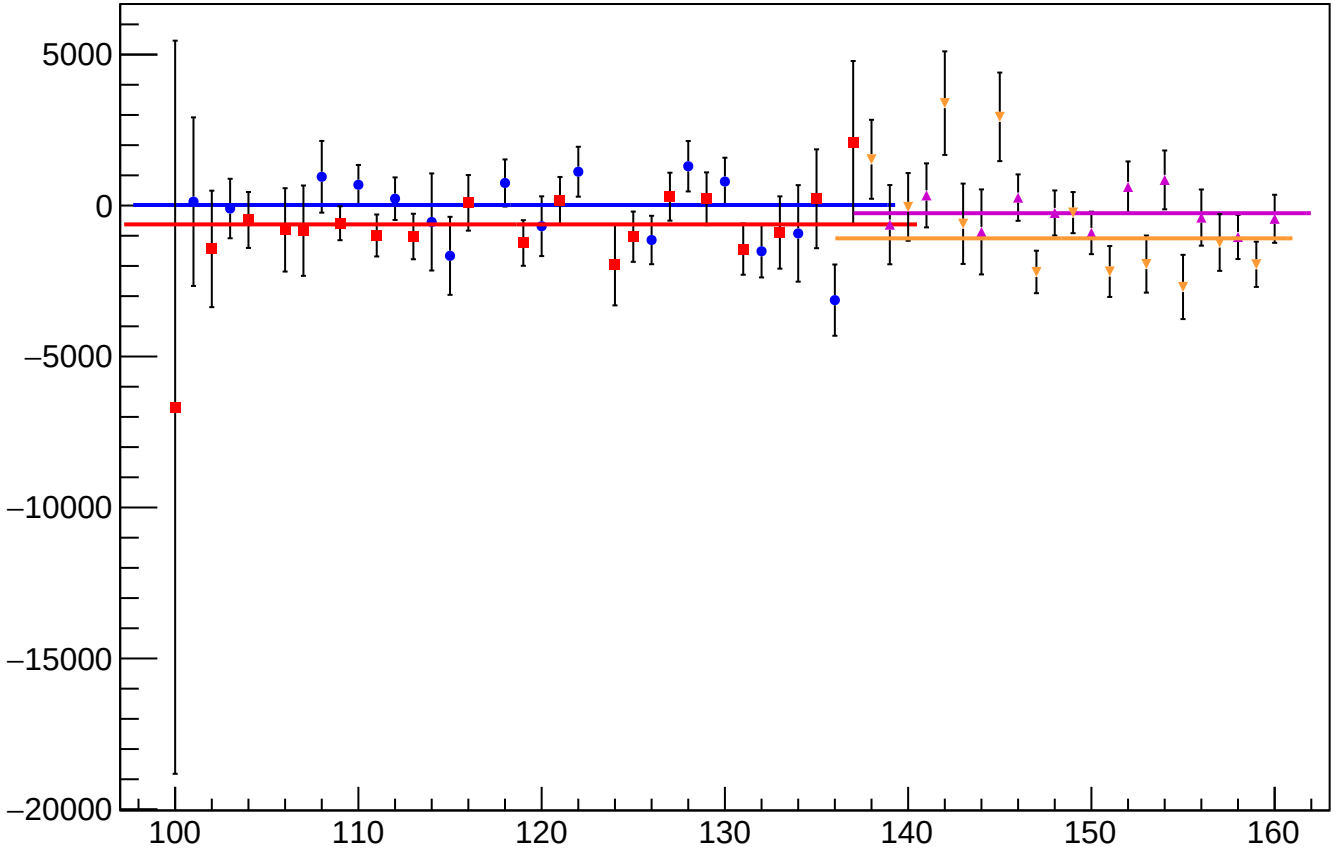
Left In: 2726.989+/-0.624 χ^2/NDF:1831.1/10

+ sign 2755.542+/-0.481 χ^2/NDF: 754043.8/27

All: 2755.347+/-0.338 χ^2/NDF: 907483.5/57

- 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: -1086.145+/-274.686 χ^2/NDF:29.6/11

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

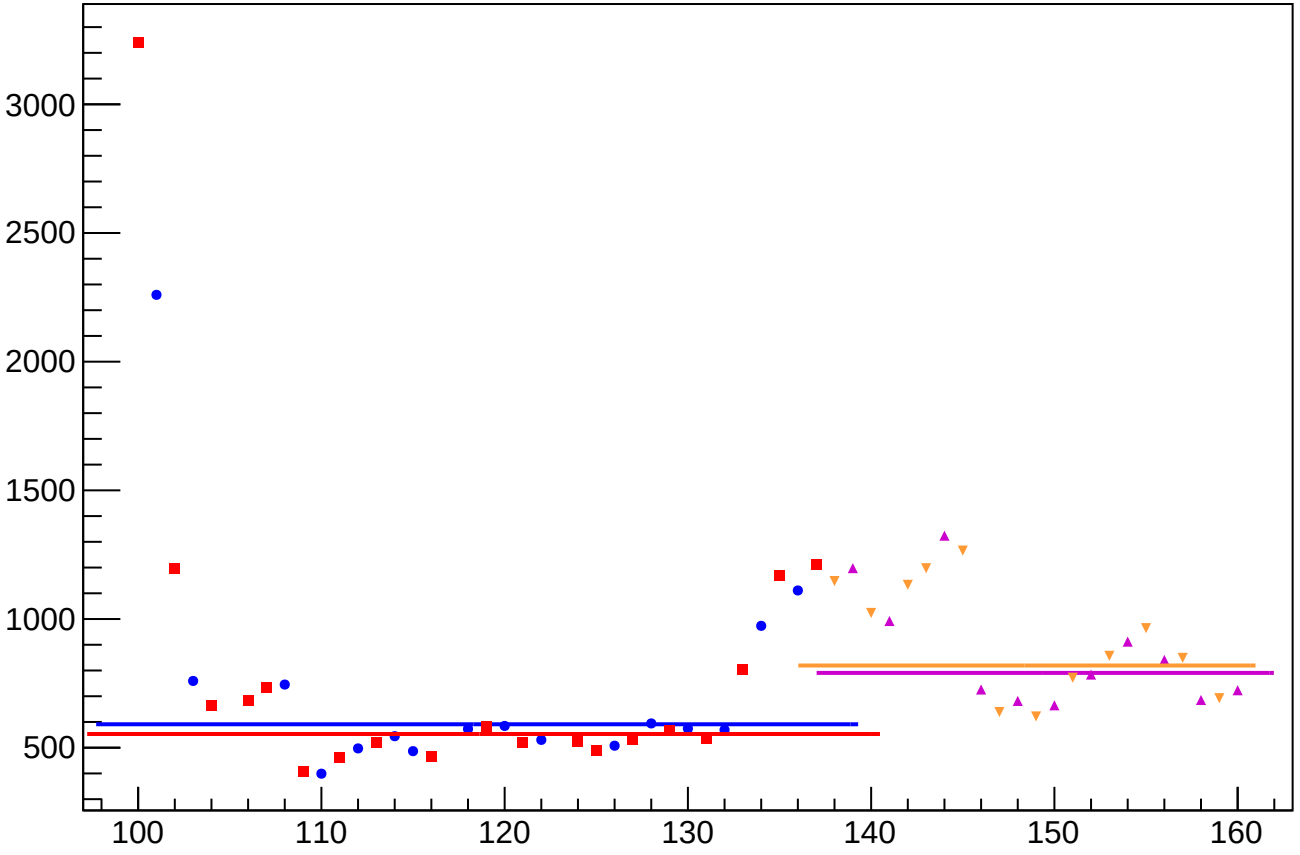
Left In: -253.111+/-262.218 χ^2/NDF:5.5/10

+ sign -444.560+/-177.895 χ^2/NDF: 61.7/27

All: -460.386+/-121.630 χ^2/NDF: 77.5/57

- 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: 819.391+/-0.194 χ^2/NDF:1013150.7/11

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

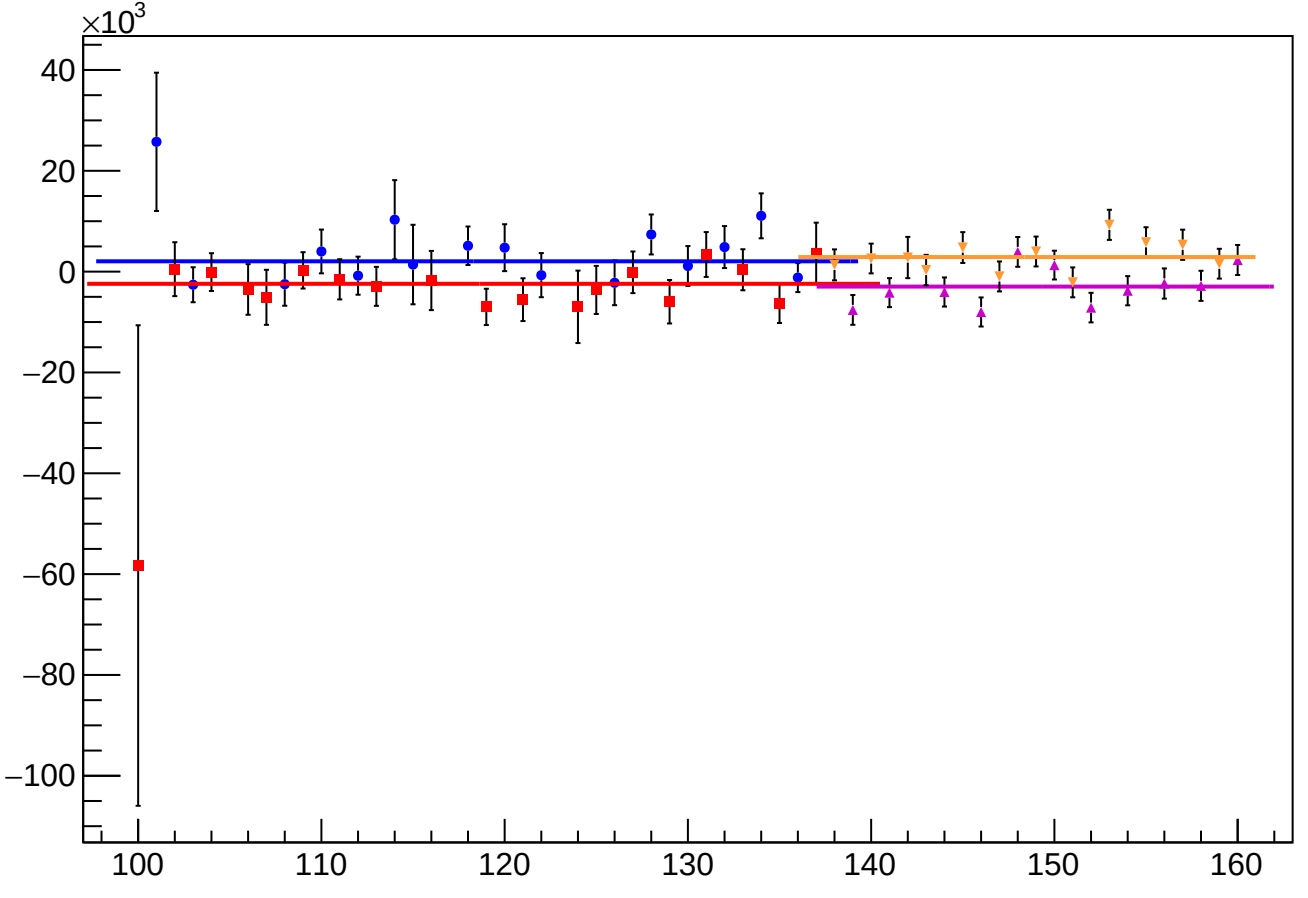
Left In: 790.659+/-0.185 χ^2/NDF:765307.3/10

+ sign 686.816+/-0.126 χ^2/NDF: 3382248.8/27

All: 666.763+/-0.086 χ^2/NDF: 6274134.2/57

- 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: 2893.133+/-880.759 χ^2/NDF:12.5/11

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

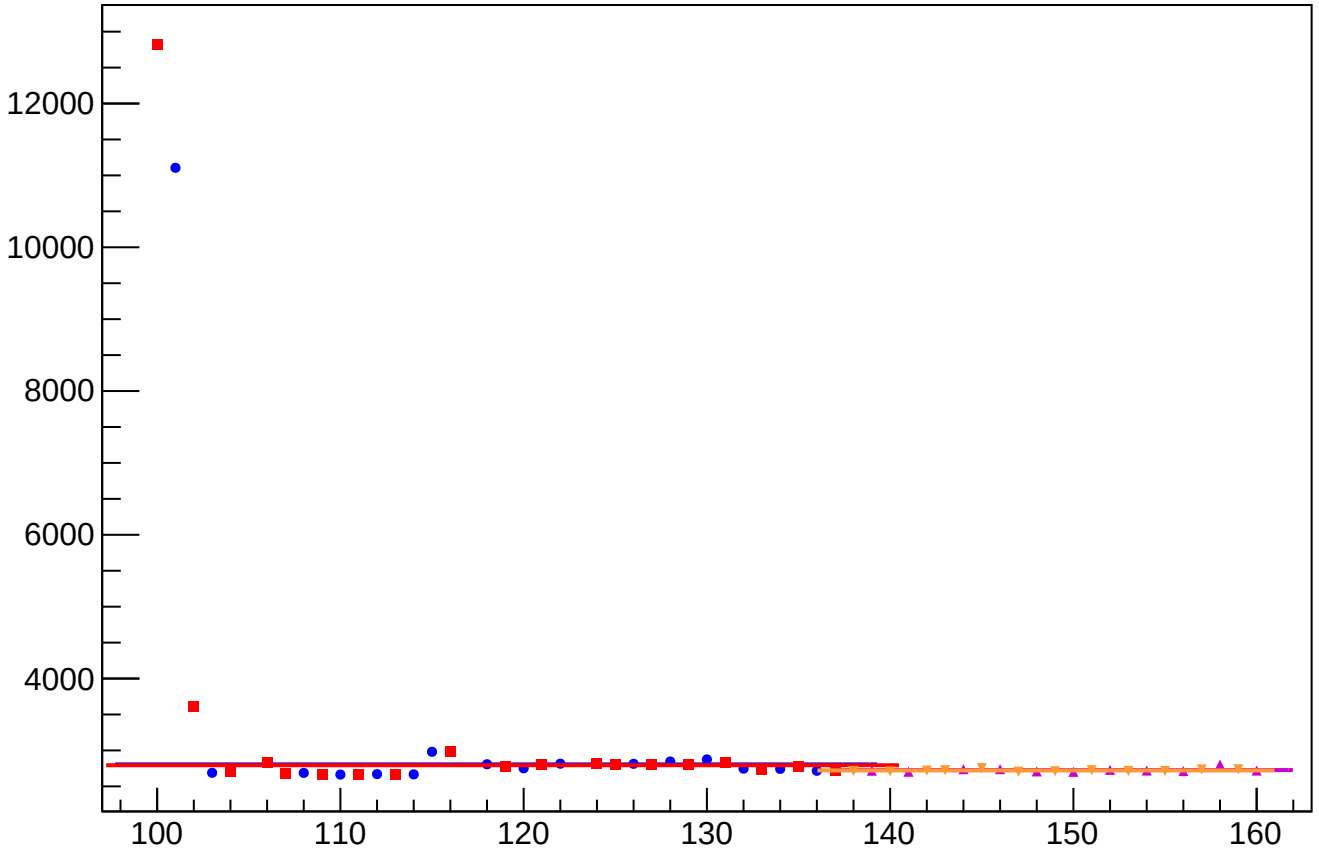
Left In: -2967.032+/-882.018 χ^2/NDF:18.8/10

+ sign 2552.216+/-680.116 χ^2/NDF: 30.6/27

All: -123.640+/-478.054 χ^2/NDF: 90.9/57

- 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: 2721.755+/-0.623 χ^2/NDF:513.7/11

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

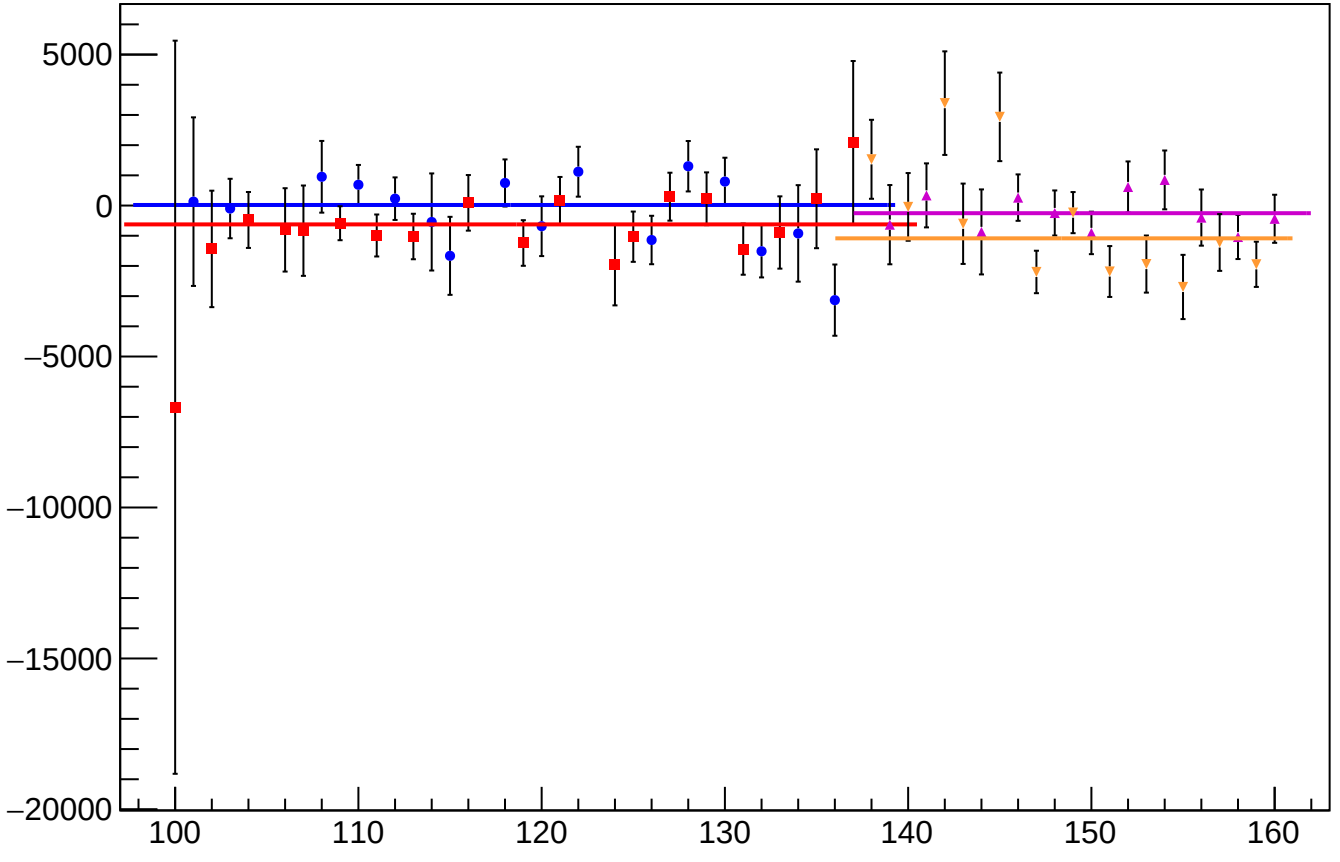
Left In: 2726.989+/-0.624 χ^2/NDF:1831.1/10

+ sign 2755.542+/-0.481 χ^2/NDF: 754043.8/27

All: 2755.347+/-0.338 χ^2/NDF: 907483.5/57

- 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: -1086.145+/-274.686 χ^2/NDF:29.6/11

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

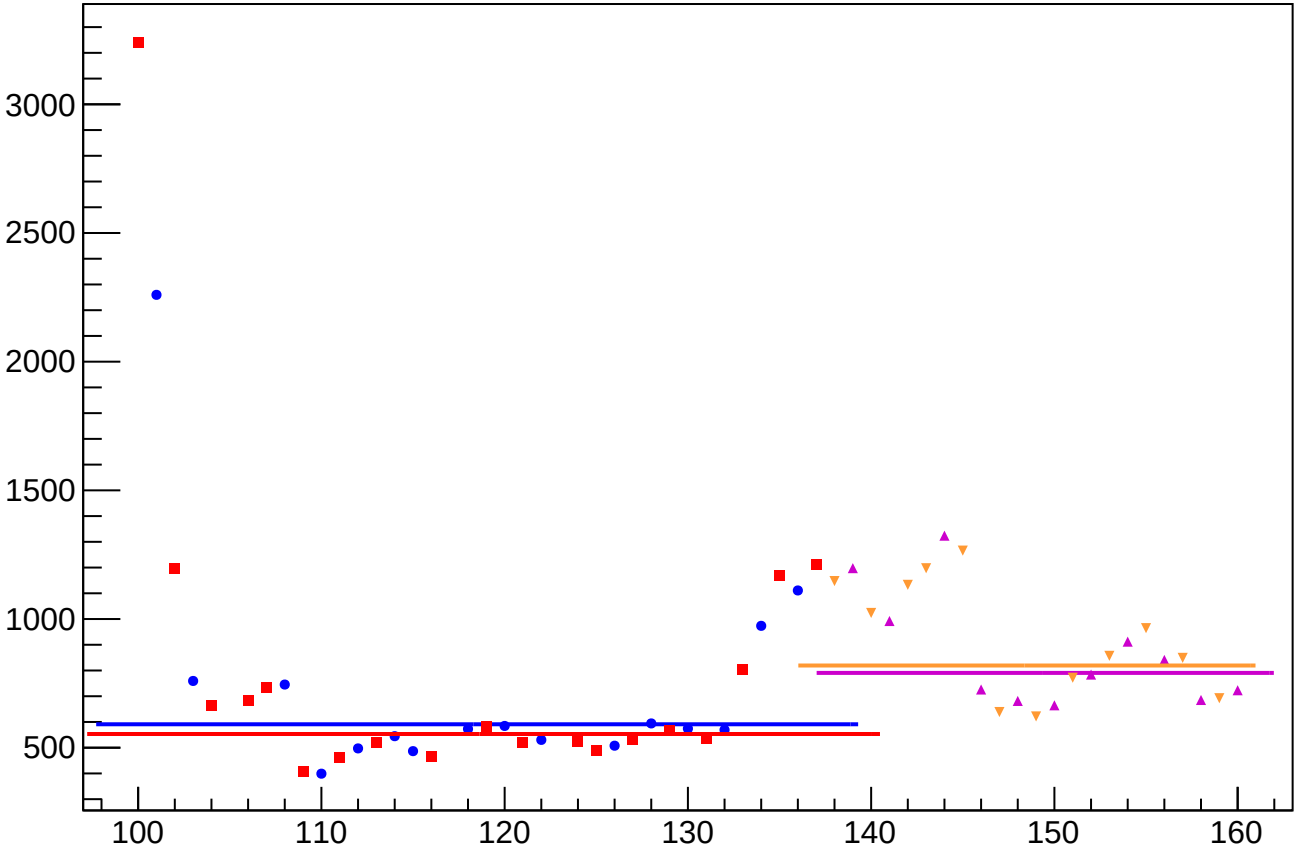
Left In: -253.111+/-262.218 χ^2/NDF:5.5/10

+ sign -444.560+/-177.895 χ^2/NDF: 61.7/27

All: -460.386+/-121.630 χ^2/NDF: 77.5/57

- 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: 819.391+/-0.194 χ^2/NDF:1013150.7/11

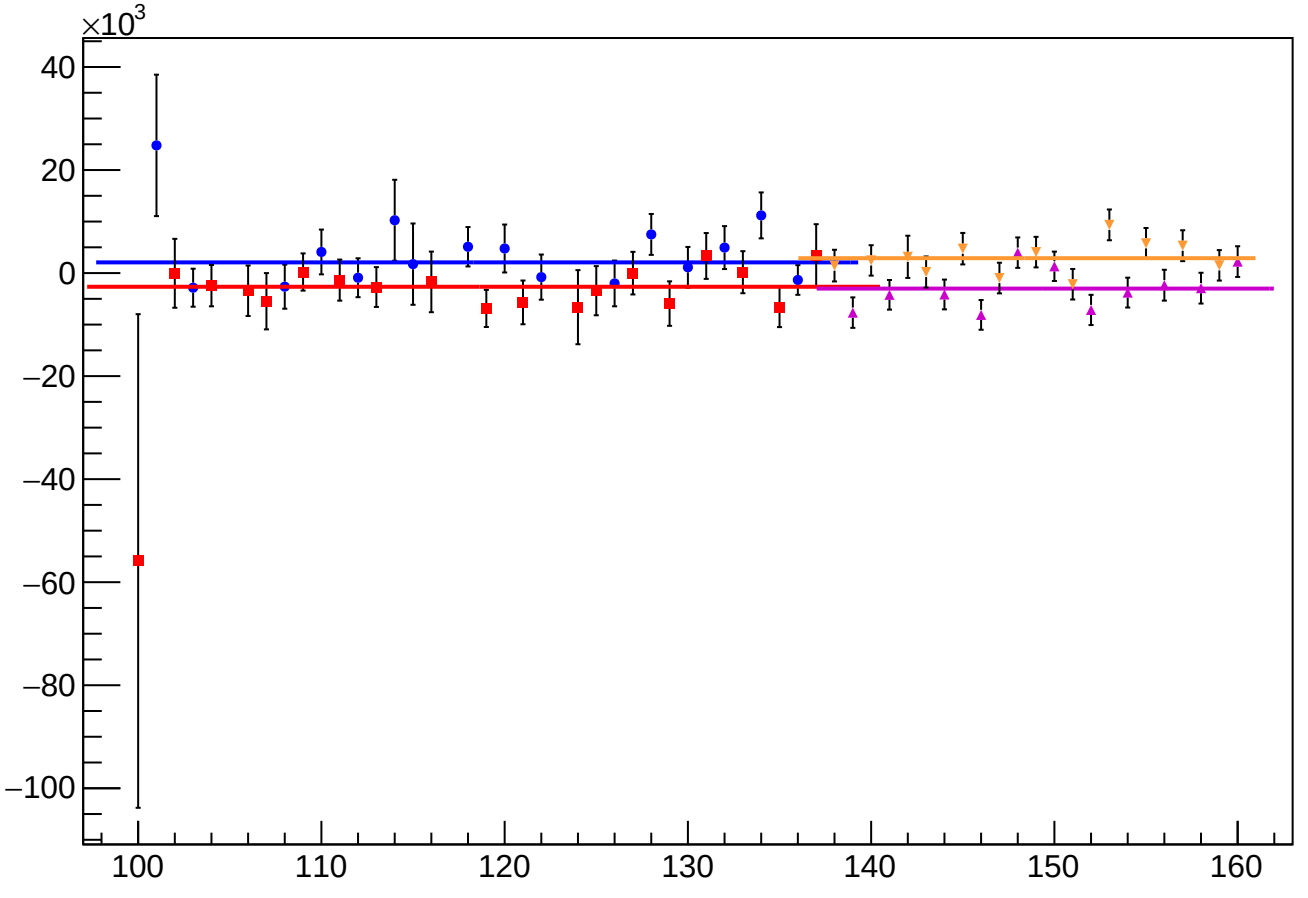
Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 790.659+/-0.185 χ^2/NDF:765307.3/10

+ sign 686.816+/-0.126 χ^2/NDF: 3382248.8/27

All: 666.763+/-0.086 χ^2/NDF: 6274134.2/57

- sign 649.160+/-0.118 χ^2/NDF: 2844163.7/29



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2889.027+/-881.447 χ^2/NDF:12.6/11

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

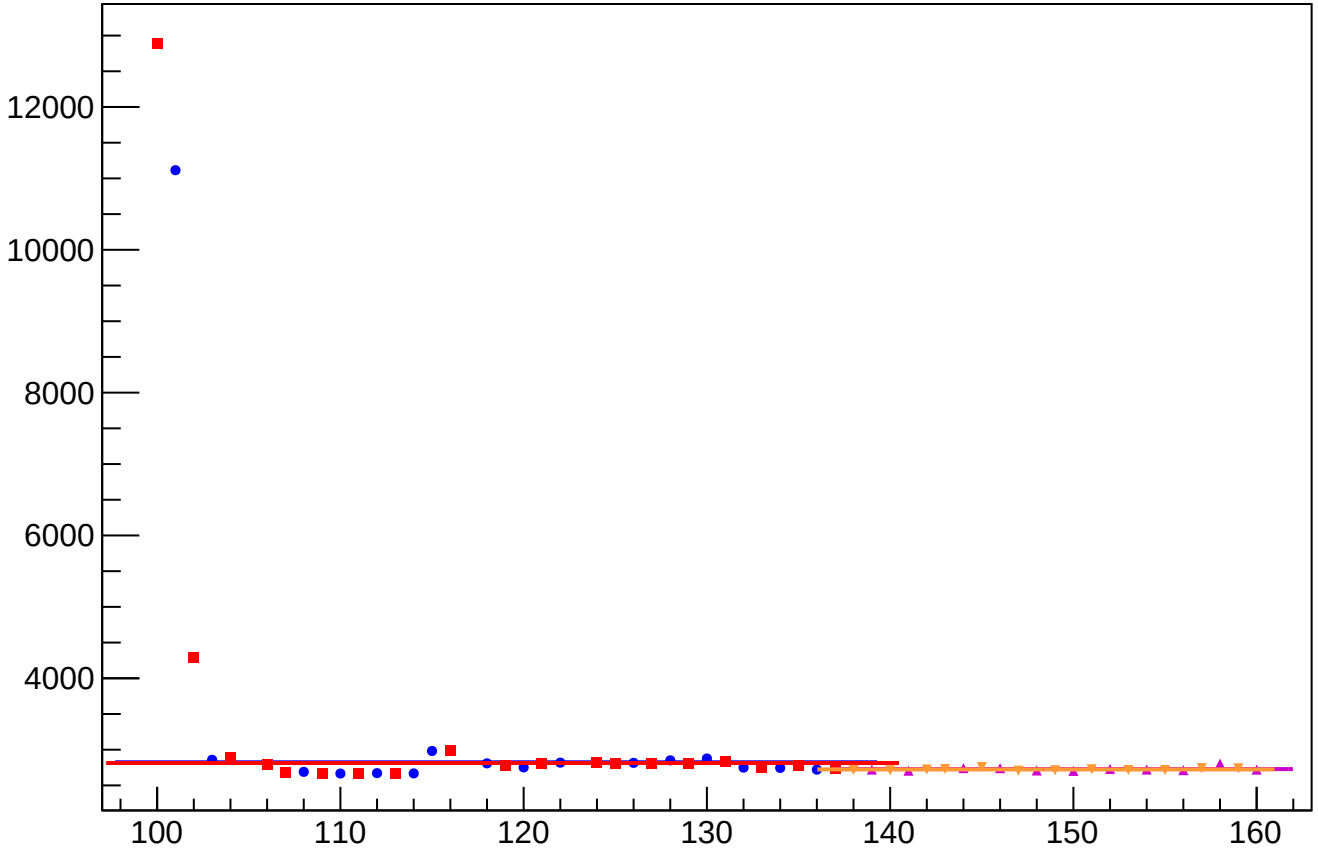
Left In: -3011.166+/-882.573 χ^2/NDF:19.0/10

\+ sign 2562.465+/-682.166 χ^2/NDF: 30.9/27

All: -177.439+/-480.017 χ^2/NDF: 91.8/57

\- 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: 2723.872+/-0.623 χ^2/NDF:553.2/11

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

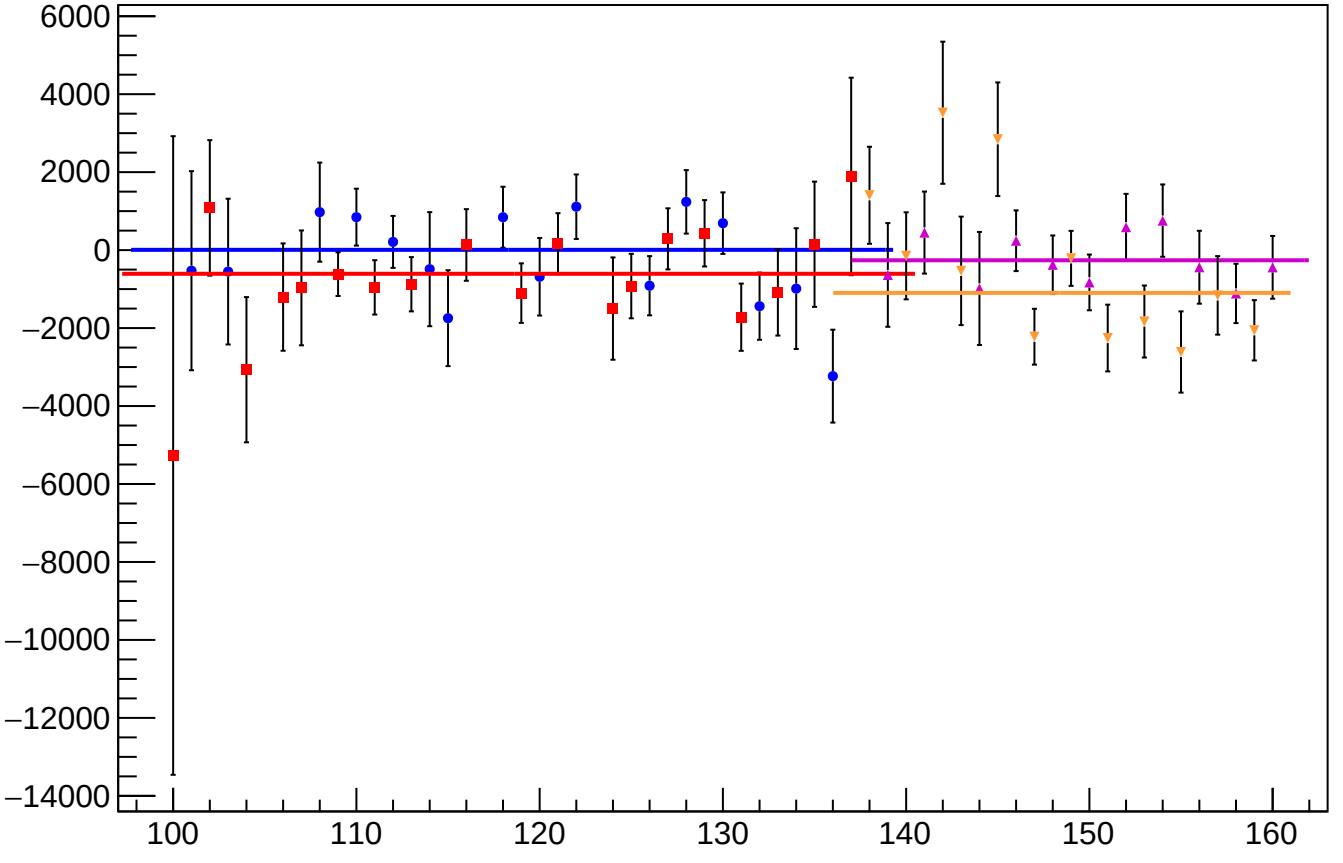
Left In: 2728.692+/-0.624 χ^2/NDF:1844.8/10

+ sign 2763.807+/-0.482 χ^2/NDF: 754705.8/27

All: 2763.875+/-0.339 χ^2/NDF: 964767.4/57

- 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: -1097.321+/-279.359 χ^2/NDF:28.8/11

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

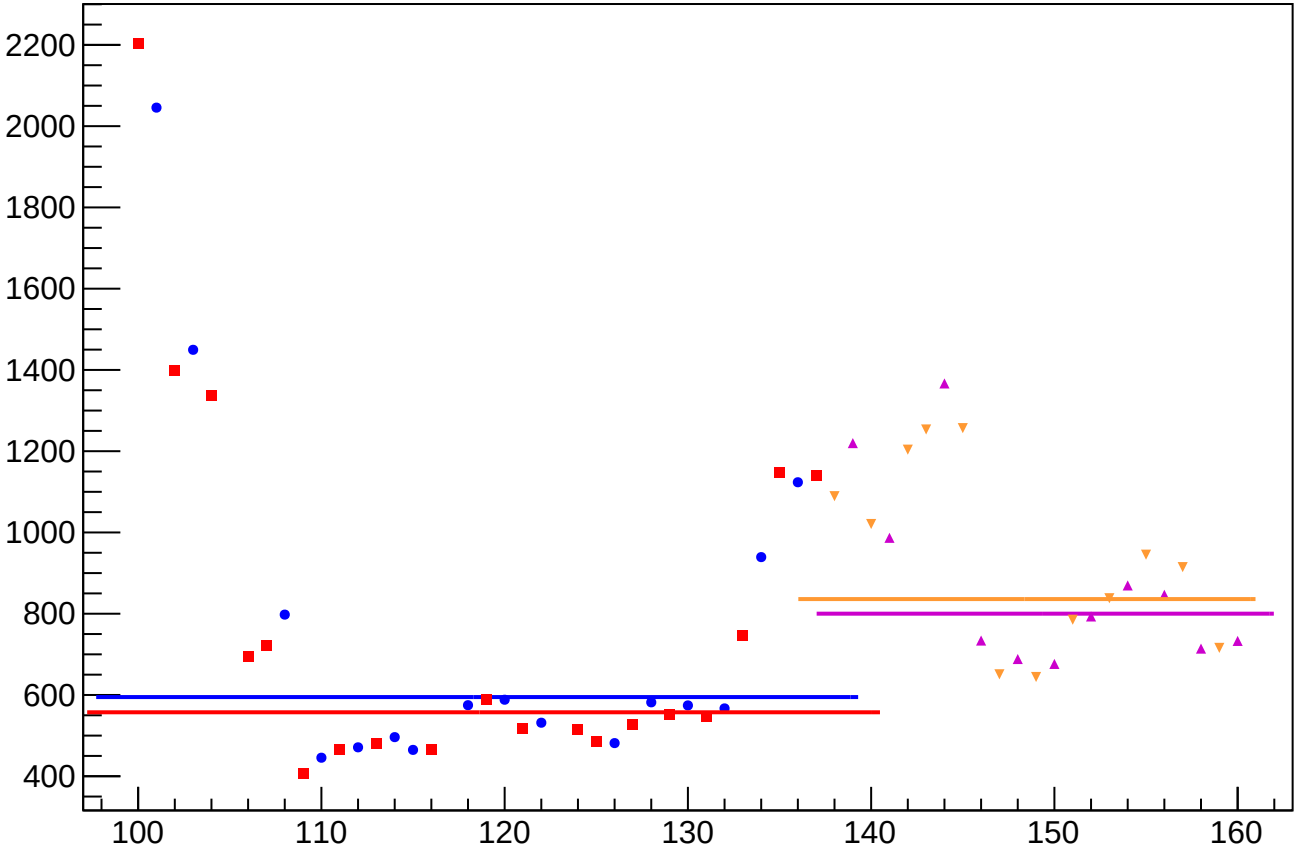
Left In: -261.049+/-264.768 χ^2/NDF:5.4/10

\+ sign -456.179+/-180.926 χ^2/NDF: 60.7/27

All: -462.696+/-123.062 χ^2/NDF: 79.3/57

\- 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: 836.030+/-0.198 χ^2/NDF:936814.7/11

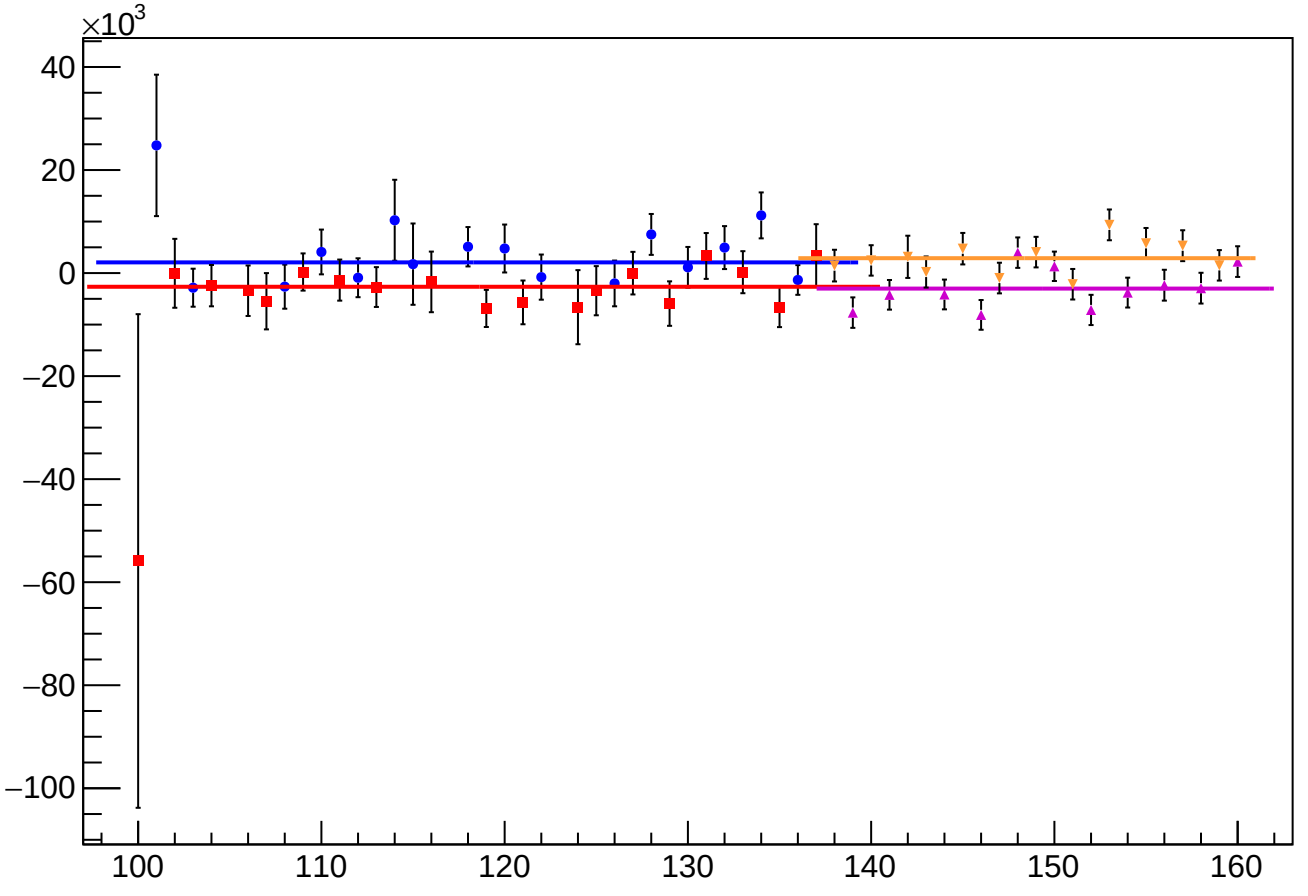
Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 800.110+/-0.187 χ^2/NDF:741618.8/10

+ sign 696.017+/-0.128 χ^2/NDF: 3654838.6/27

All: 673.961+/-0.087 χ^2/NDF: 7088085.5/57

- sign 654.972+/-0.119 χ^2/NDF: 3377936.5/29



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2889.029+/-881.447 χ^2/NDF:12.6/11

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

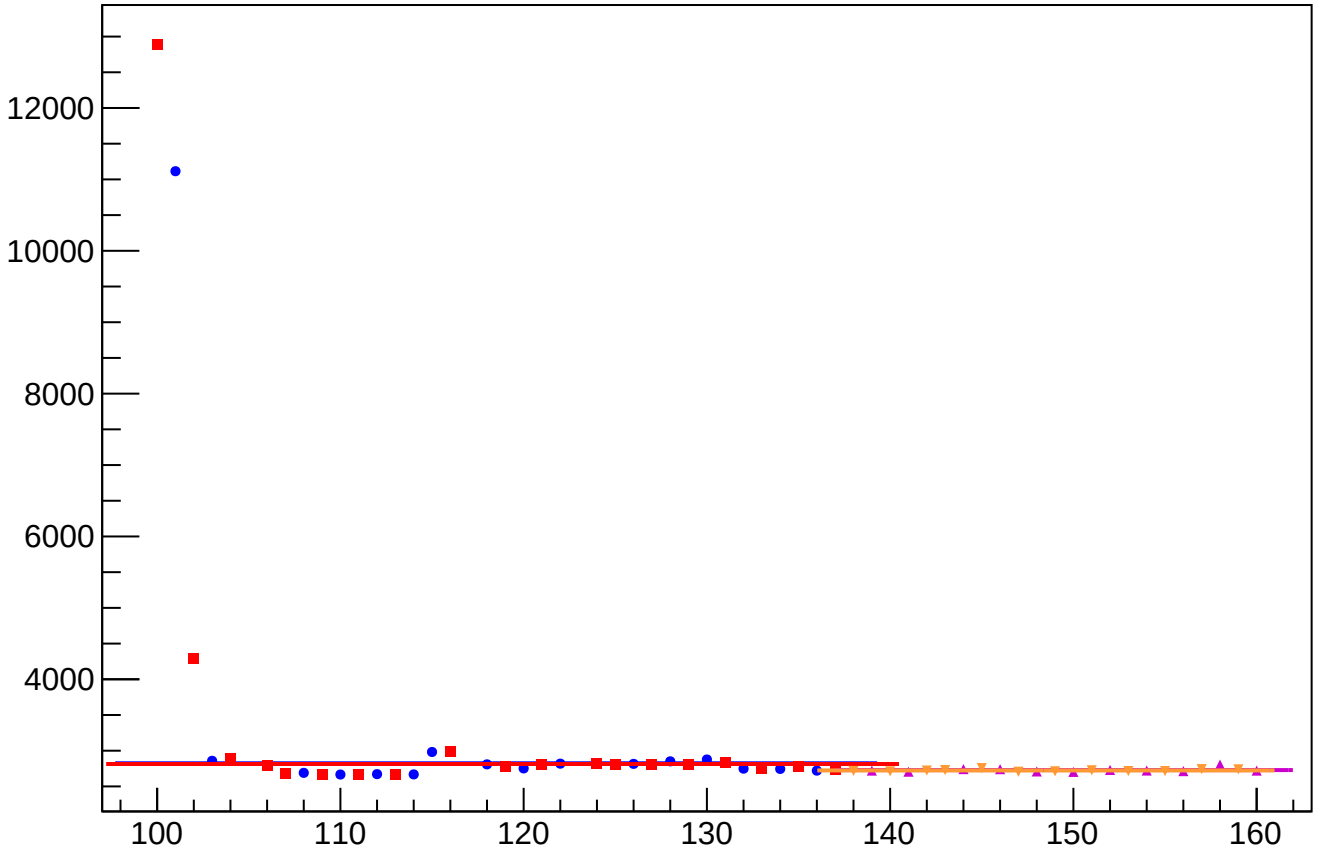
Left In: -3011.165+/-882.573 χ^2/NDF:19.0/10

+ sign 2562.466+/-682.166 χ^2/NDF: 30.9/27

All: -177.438+/-480.017 χ^2/NDF: 91.8/57

- 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: 2723.872+/-0.623 χ^2/NDF:553.2/11

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

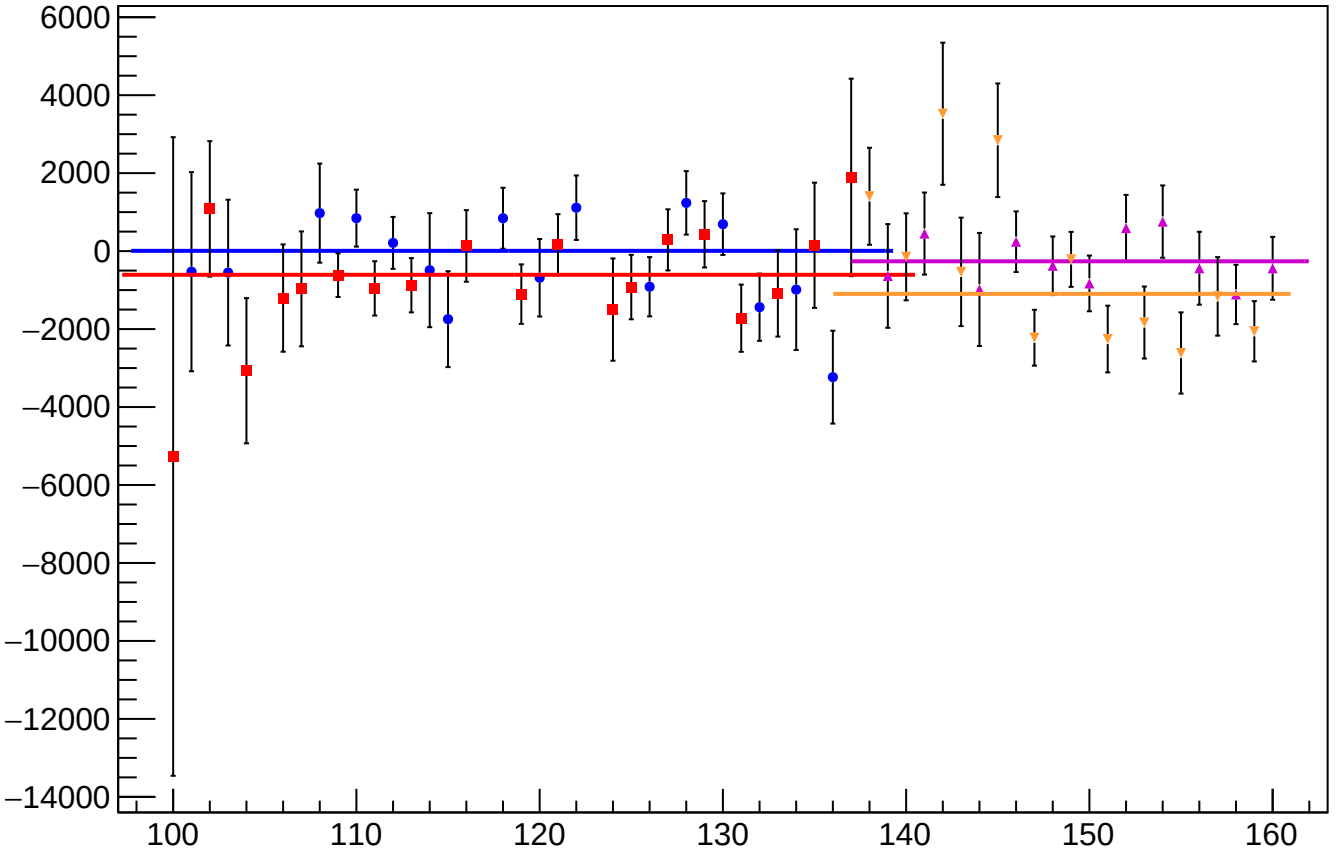
Left In: 2728.692+/-0.624 χ^2/NDF:1844.8/10

+ sign 2763.807+/-0.482 χ^2/NDF: 754705.8/27

All: 2763.875+/-0.339 χ^2/NDF: 964767.1/57

- 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: -1097.322+/-279.359 χ^2/NDF:28.8/11

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

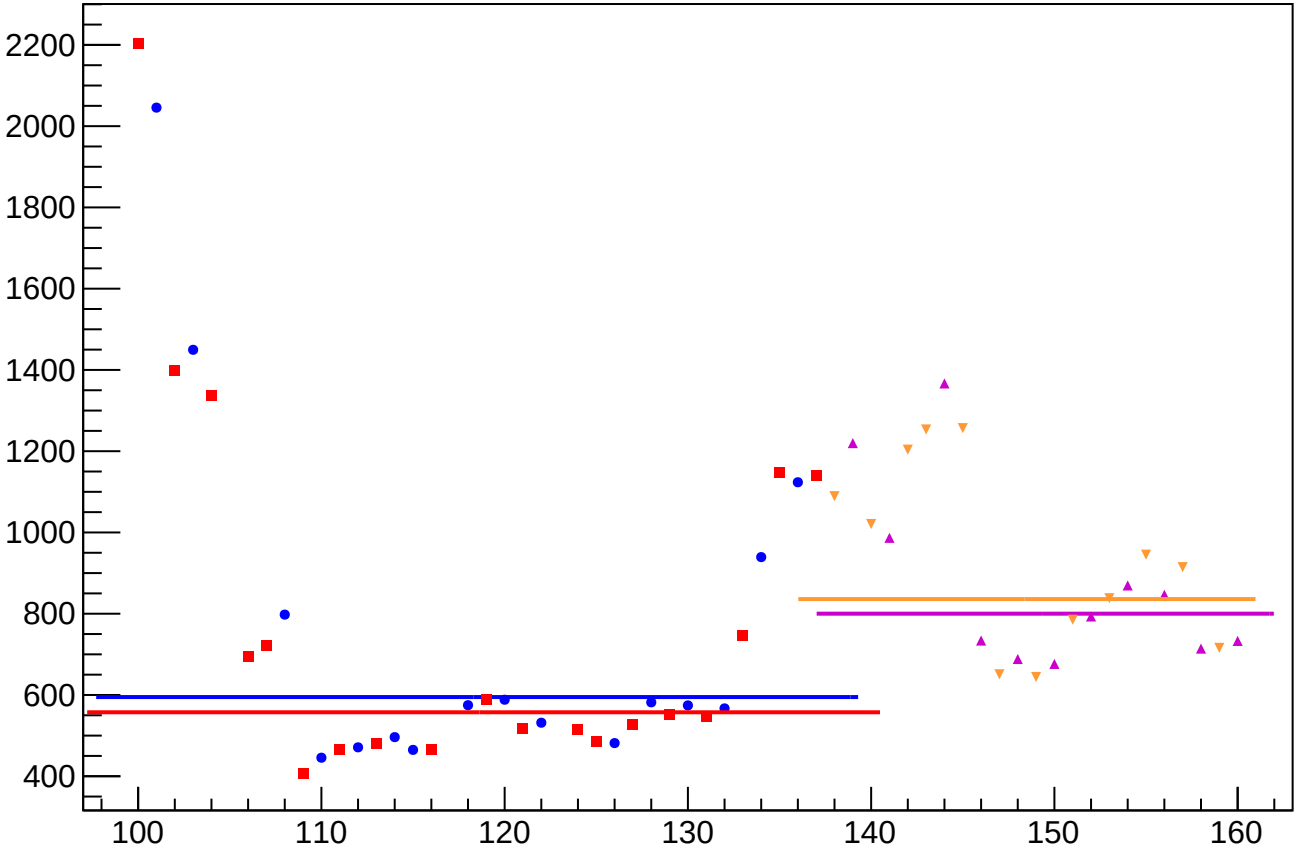
Left In: -261.049+/-264.768 χ^2/NDF:5.4/10

+ sign -456.179+/-180.926 χ^2/NDF: 60.7/27

All: -462.696+/-123.062 χ^2/NDF: 79.3/57

- 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: 836.030+/-0.198 χ^2/NDF:936817.2/11

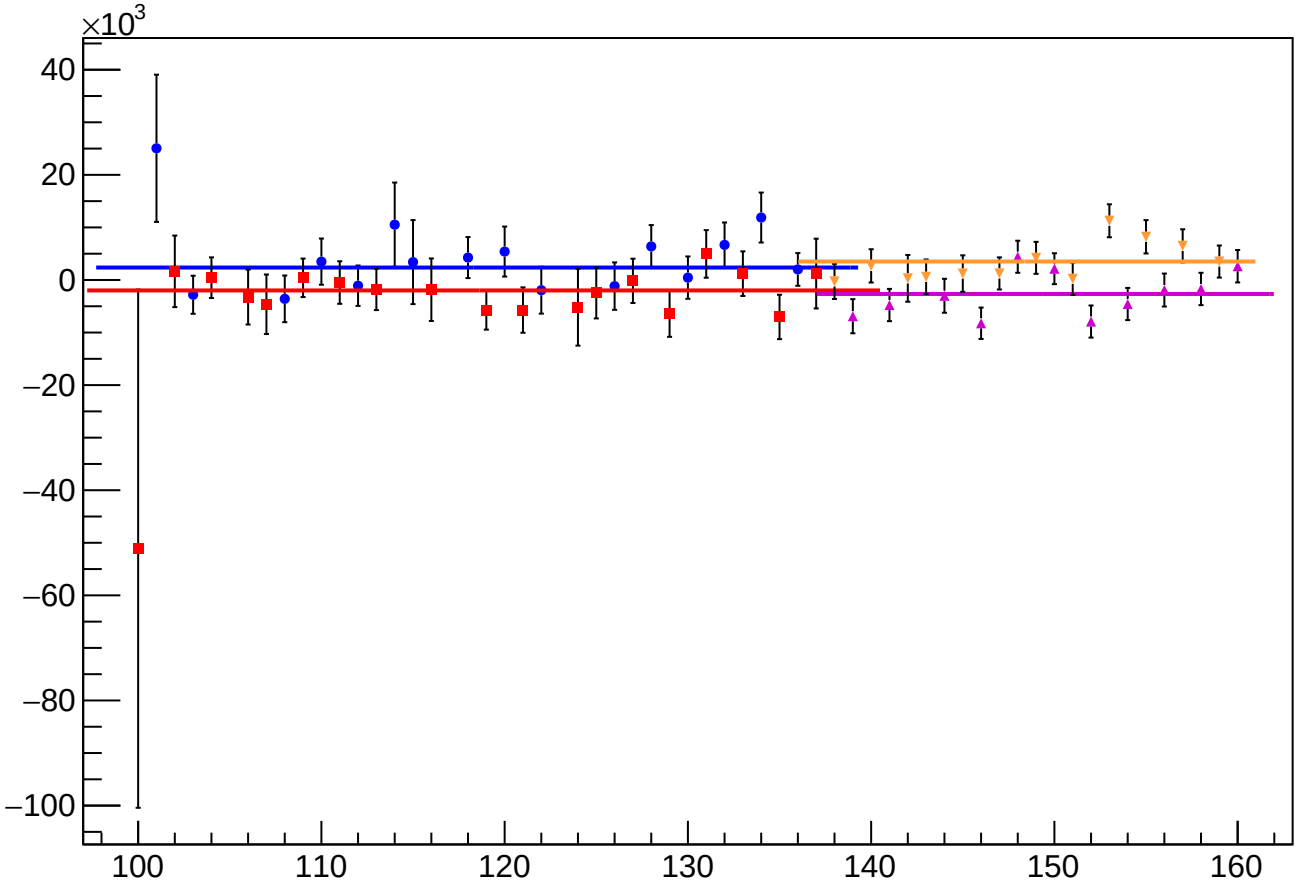
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 800.109+/-0.187 χ^2/NDF:741621.0/10

+ sign 696.017+/-0.128 χ^2/NDF: 3654831.1/27

All: 673.961+/-0.087 χ^2/NDF: 7088074.7/57

- 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: 3517.004+/-935.185 χ^2/NDF:14.0/11

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

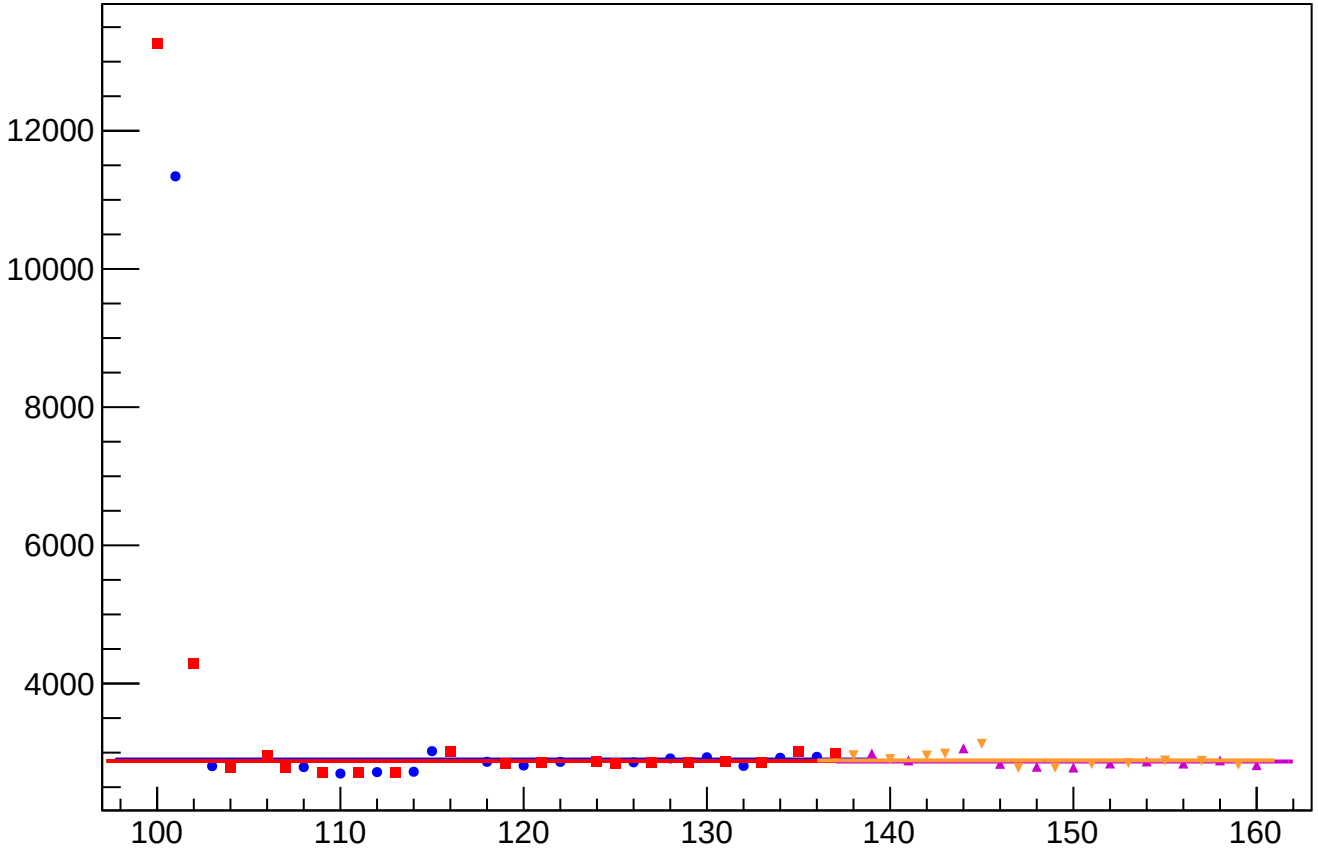
Left In: -2659.344+/-929.120 χ^2/NDF:20.1/10

\+ sign 3037.745+/-714.172 χ^2/NDF: 31.5/27

All: 290.383+/-501.013 χ^2/NDF: 91.3/57

\- 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: 2887.973+/-0.661 χ^2/NDF:19312.0/11

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

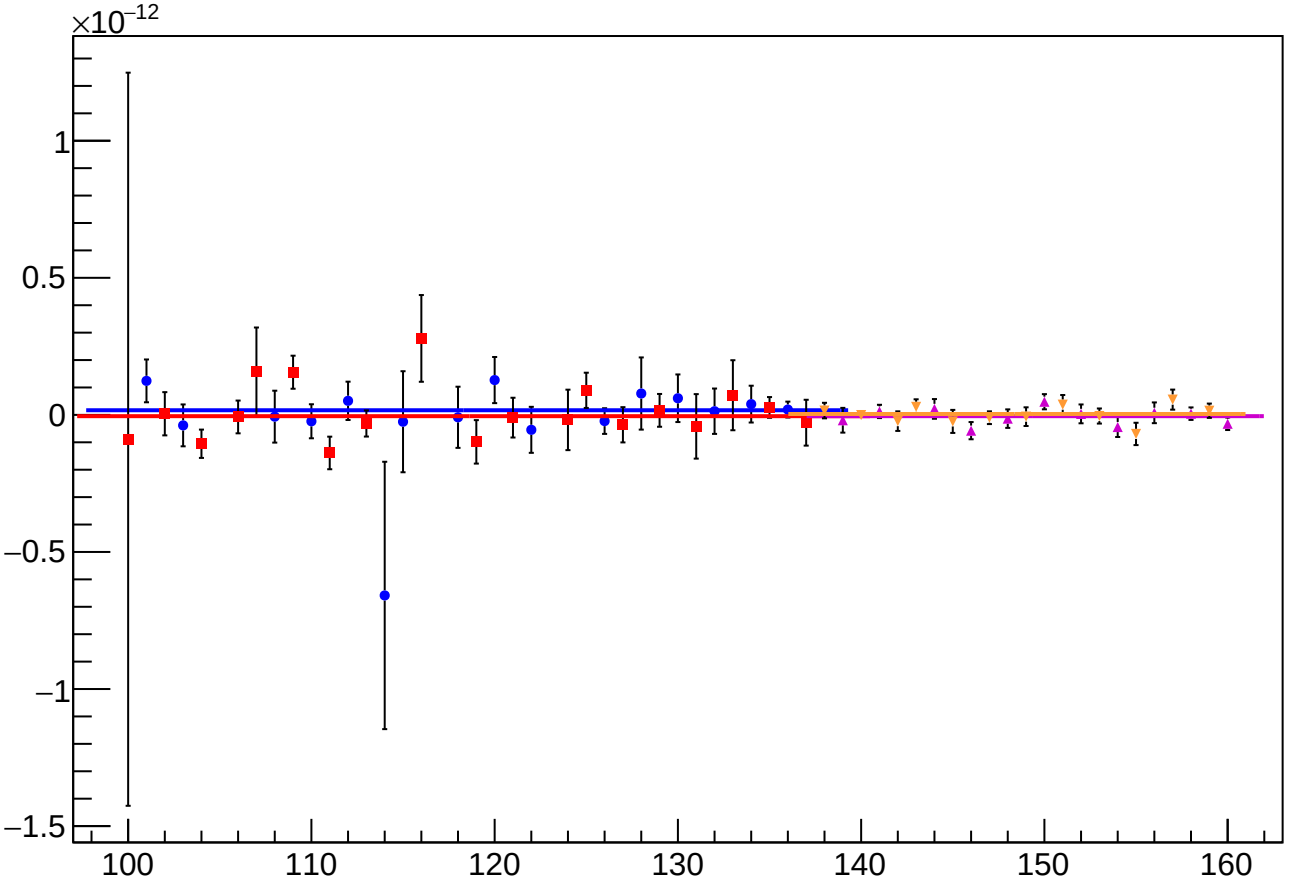
Left In: 2871.427+/-0.657 χ^2/NDF:13764.6/10

+ sign 2892.914+/-0.505 χ^2/NDF: 761264.1/27

All: 2883.636+/-0.354 χ^2/NDF: 969031.9/57

- 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:9.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

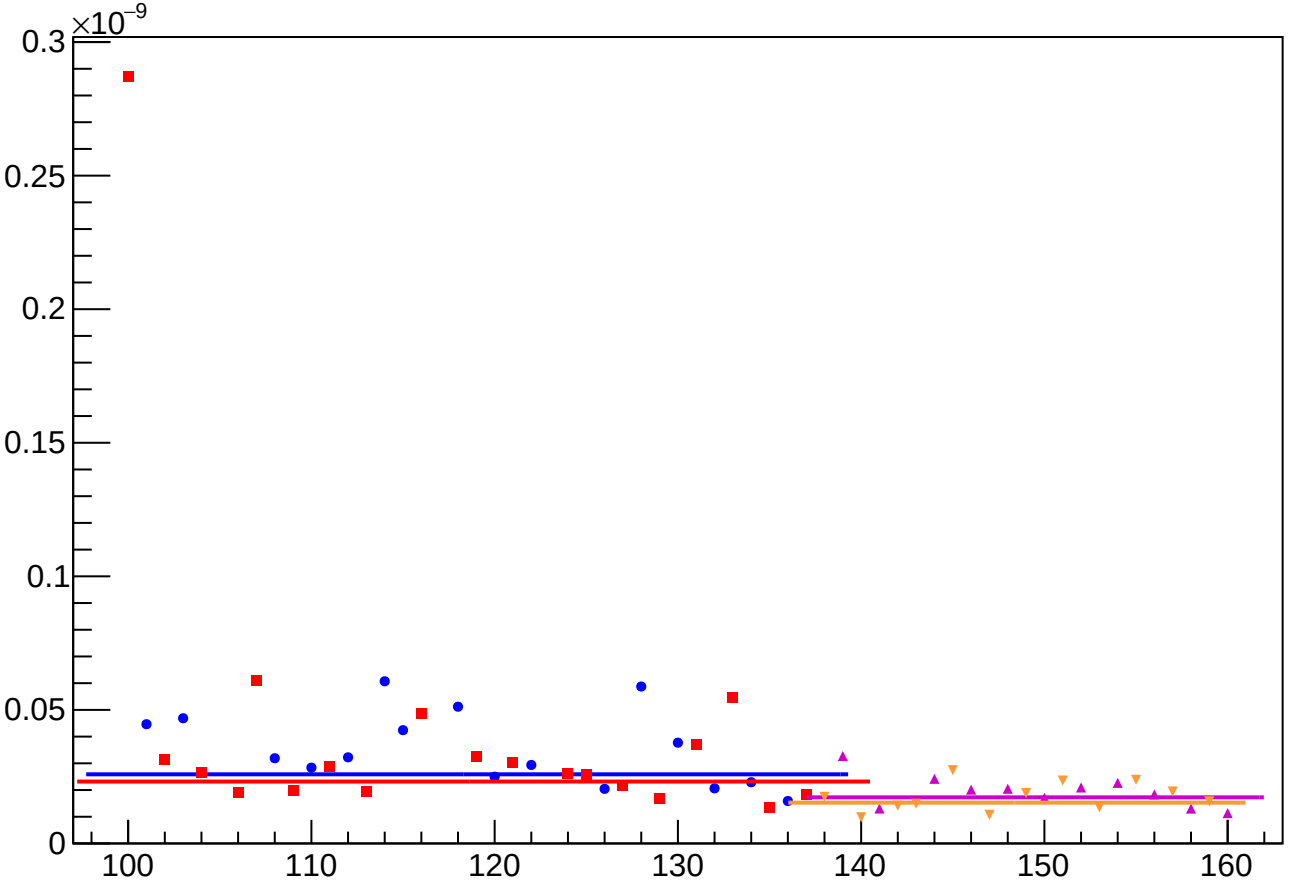
Left In: -0.000+/-0.000 χ^2/NDF:10.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 18.4/27

All: 0.000+/-0.000 χ^2/NDF: 55.7/57

- 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:689579.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

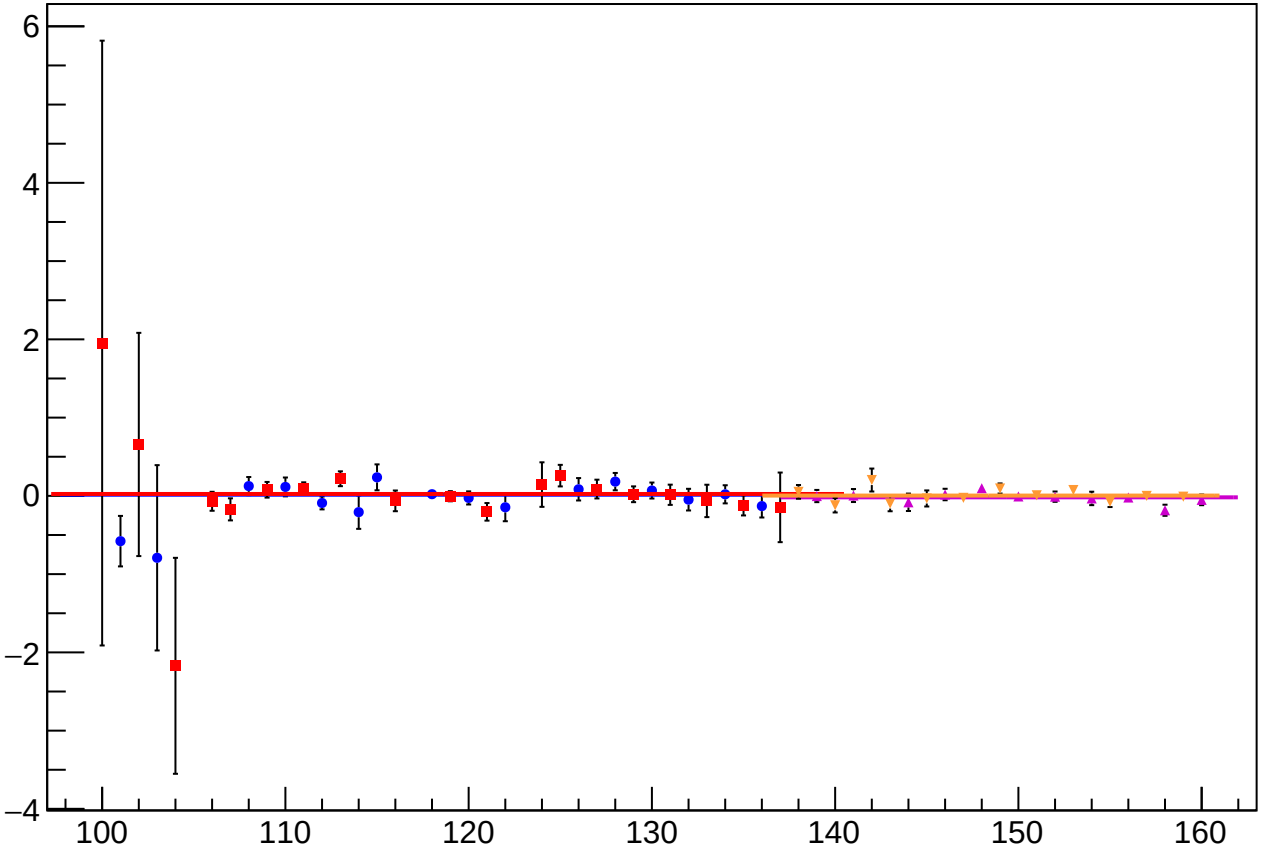
Left In: 0.000+/-0.000 χ^2/NDF:675056.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 2191016.1/27

All: 0.000+/-0.000 χ^2/NDF: 3801216.8/57

- 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+/-0.020 χ^2/NDF:10.3/11

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

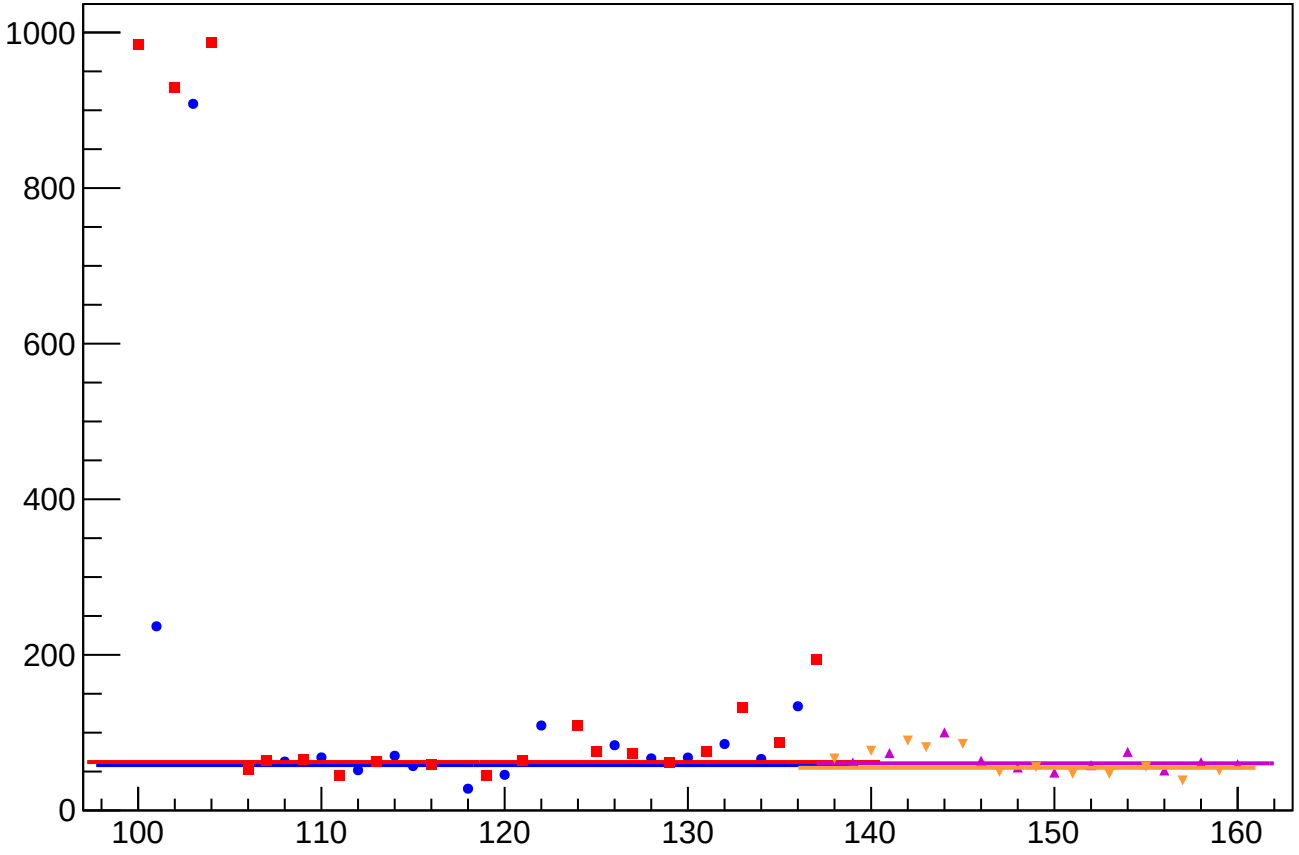
Left In: -0.019+/-0.021 χ^2/NDF:9.7/10

+ sign 0.008+/-0.016 χ^2/NDF: 25.4/27

All: 0.003+/-0.012 χ^2/NDF: 57.6/57

- 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: 54.824+/-0.014 χ^2/NDF:832382.8/11

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

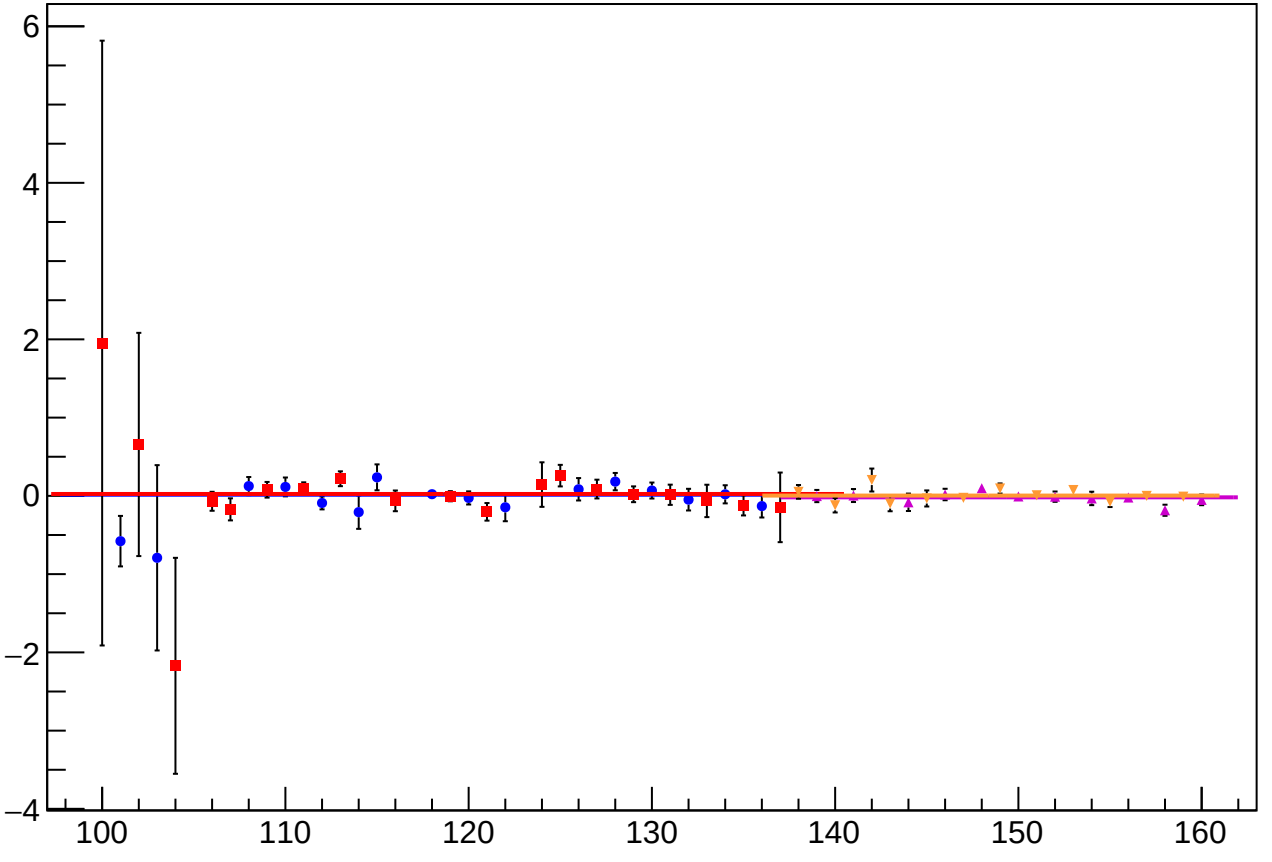
Left In: 60.570+/-0.015 χ^2/NDF:522894.9/10

+ sign 56.045+/-0.012 χ^2/NDF: 4113208.2/27

All: 58.532+/-0.008 χ^2/NDF: 7361819.5/57

- 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+/-0.020 χ^2/NDF:10.3/11

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

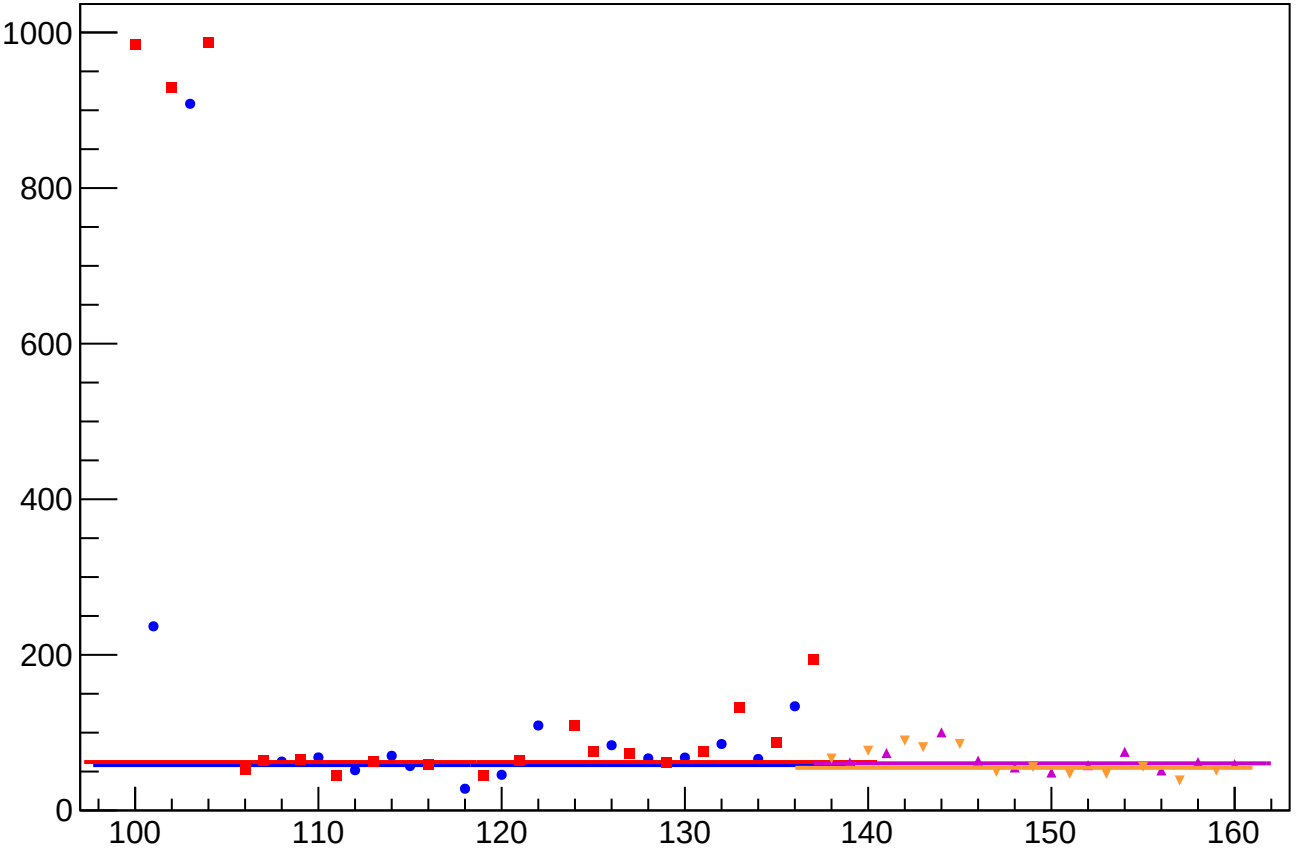
Left In: -0.019+/-0.021 χ^2/NDF:9.7/10

+ sign 0.008+/-0.016 χ^2/NDF: 25.4/27

All: 0.003+/-0.012 χ^2/NDF: 57.6/57

- 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: 54.824+/-0.014 χ^2/NDF:832382.8/11

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

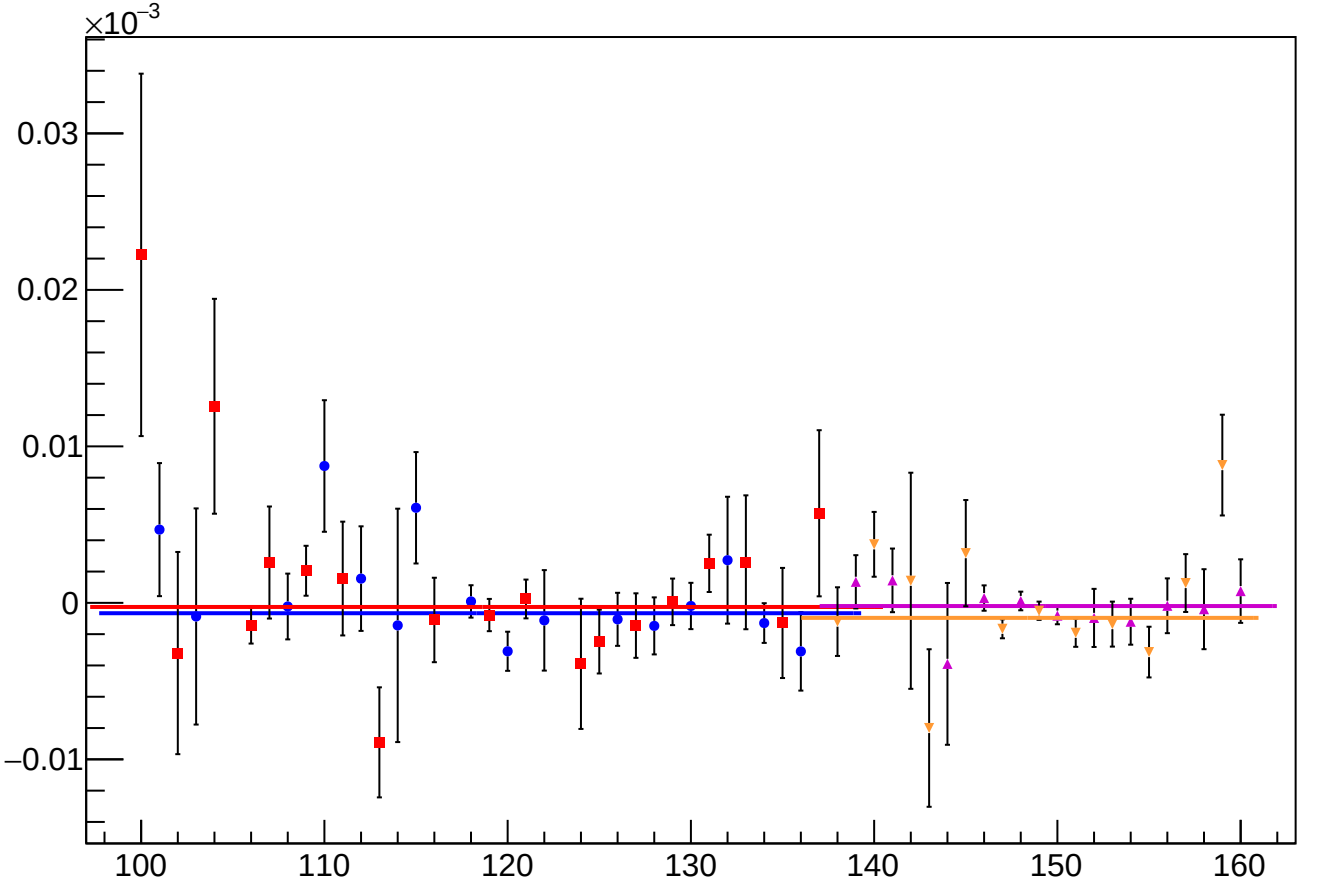
Left In: 60.570+/-0.015 χ^2/NDF:522894.9/10

+ sign 56.045+/-0.012 χ^2/NDF: 4113208.2/27

All: 58.532+/-0.008 χ^2/NDF: 7361819.5/57

- 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:24.3/11

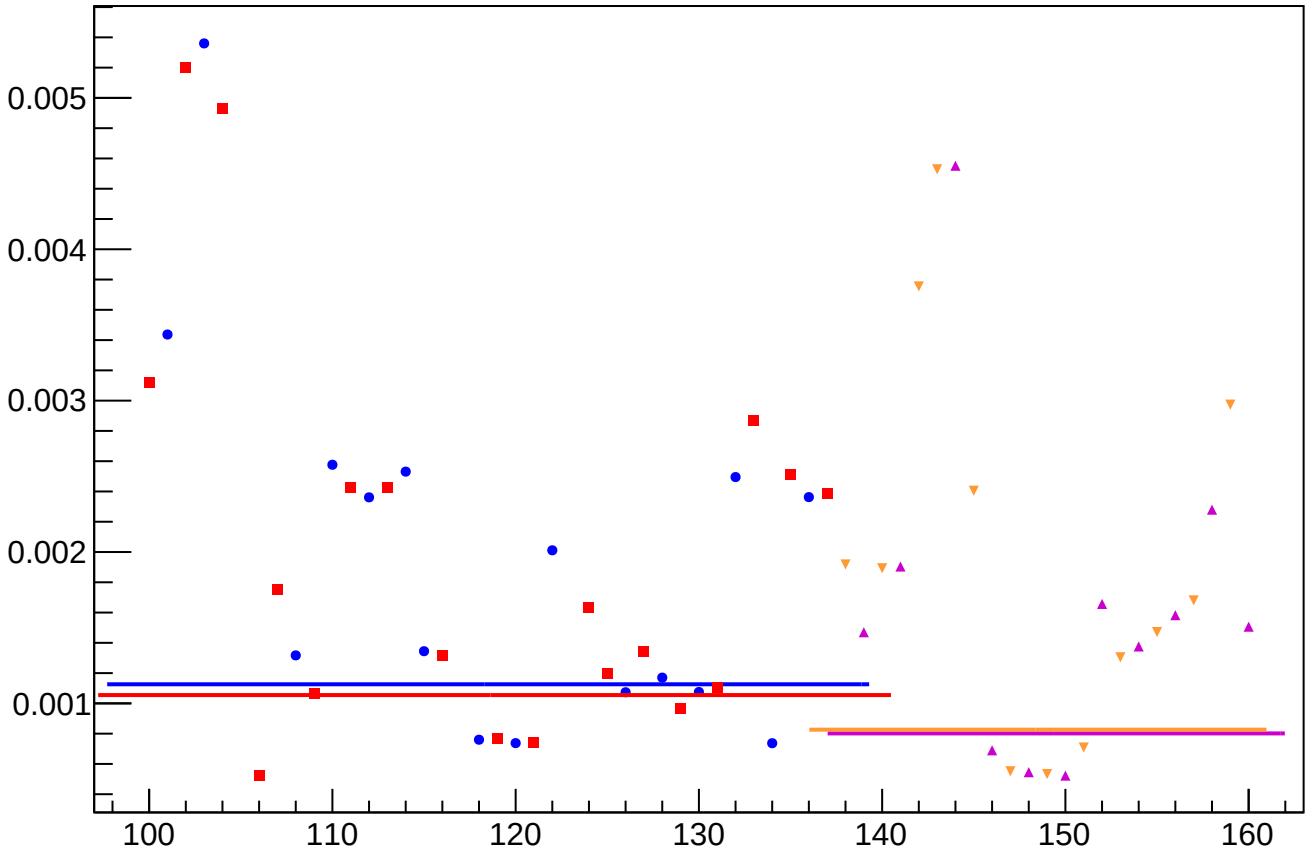
Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

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

+ sign -0.000+/-0.000 χ^2/NDF: 41.8/27

All: -0.000+/-0.000 χ^2/NDF: 73.9/57

- sign -0.000+/-0.000 χ^2/NDF: 29.3/29



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:5704494.5/11

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

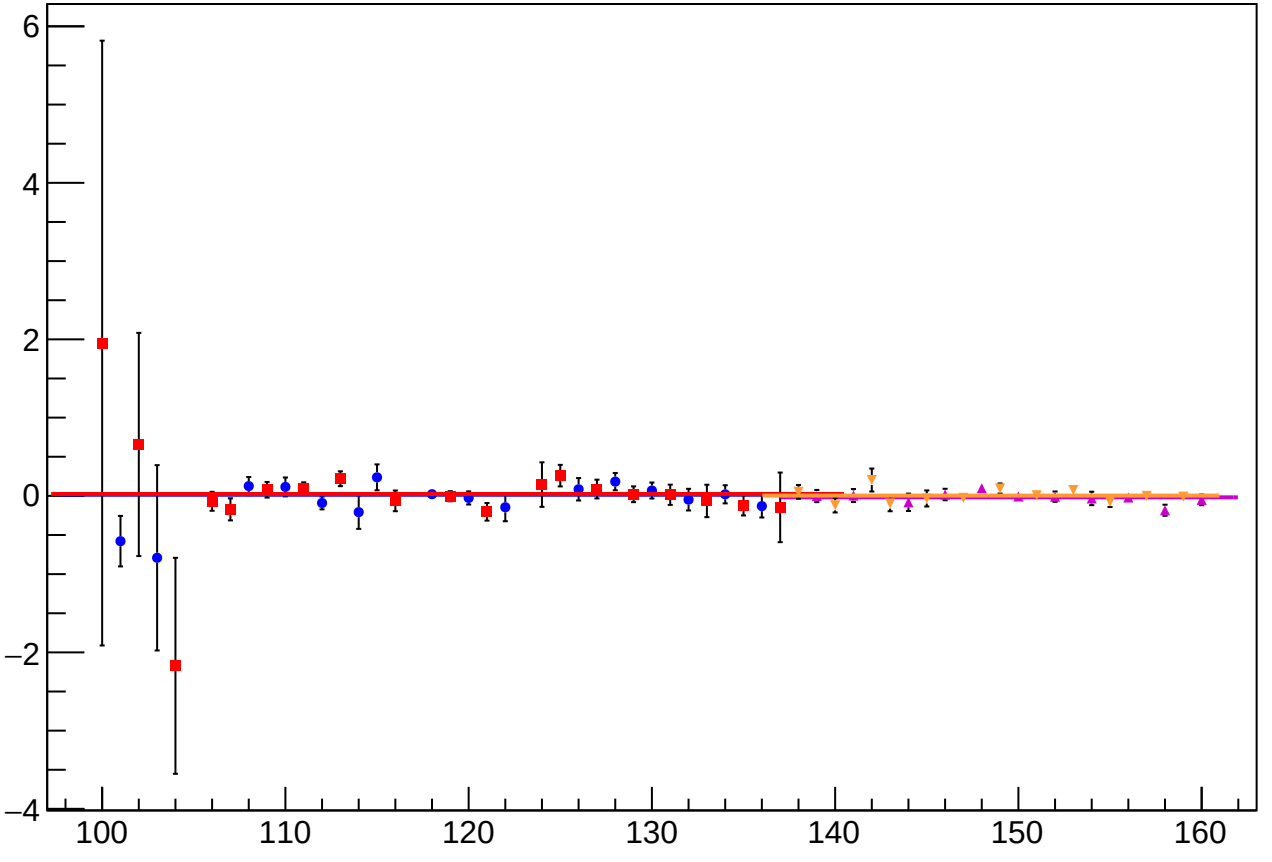
Left In: 0.001+/-0.000 χ^2/NDF:4905324.6/10

+ sign 0.001+/-0.000 χ^2/NDF: 9665119.4/27

All: 0.001+/-0.000 χ^2/NDF: 18843045.8/57

- 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+/-0.020 χ^2/NDF:10.3/11

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

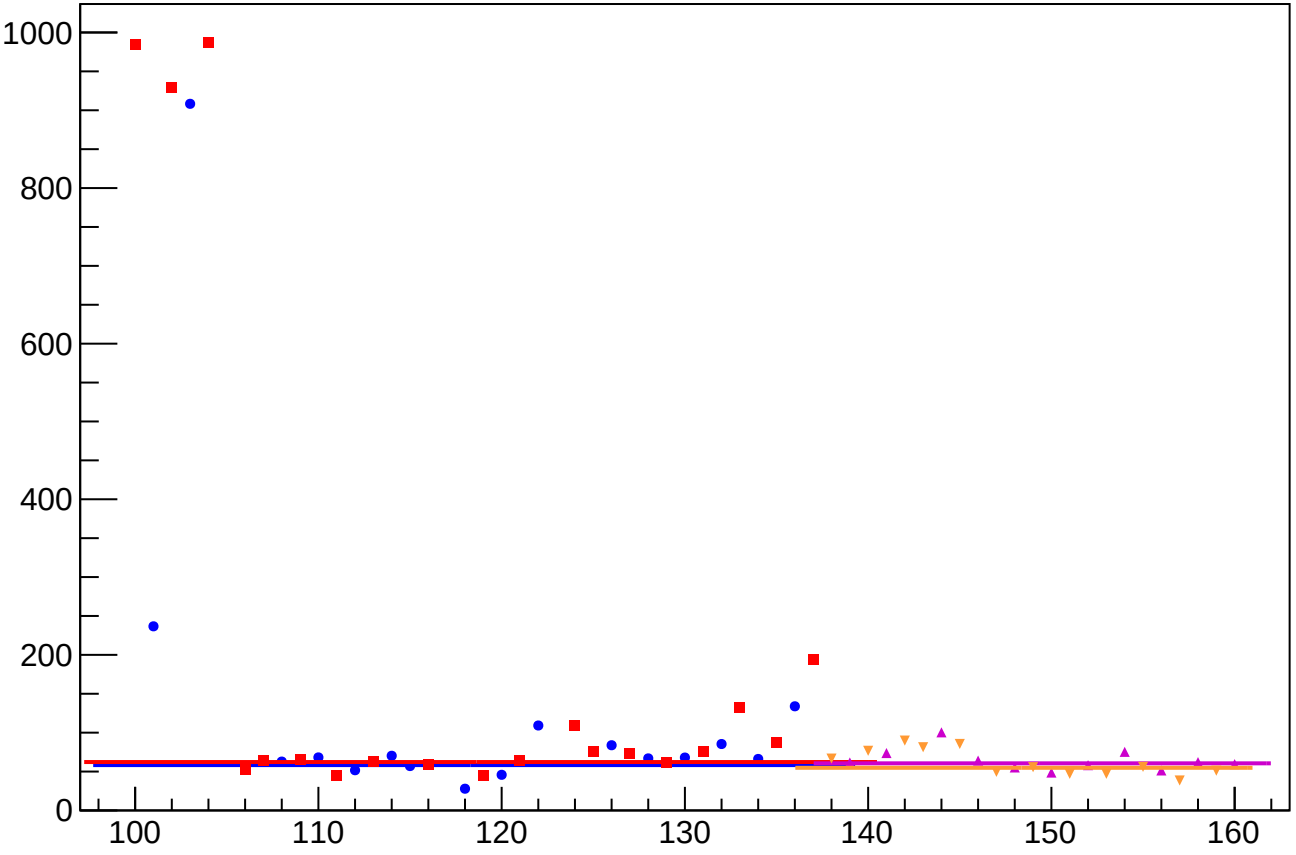
Left In: -0.019+/-0.021 χ^2/NDF:9.7/10

+ sign 0.008+/-0.016 χ^2/NDF: 25.4/27

All: 0.003+/-0.012 χ^2/NDF: 57.6/57

- 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: 54.824+/-0.014 χ^2/NDF:832441.1/11

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

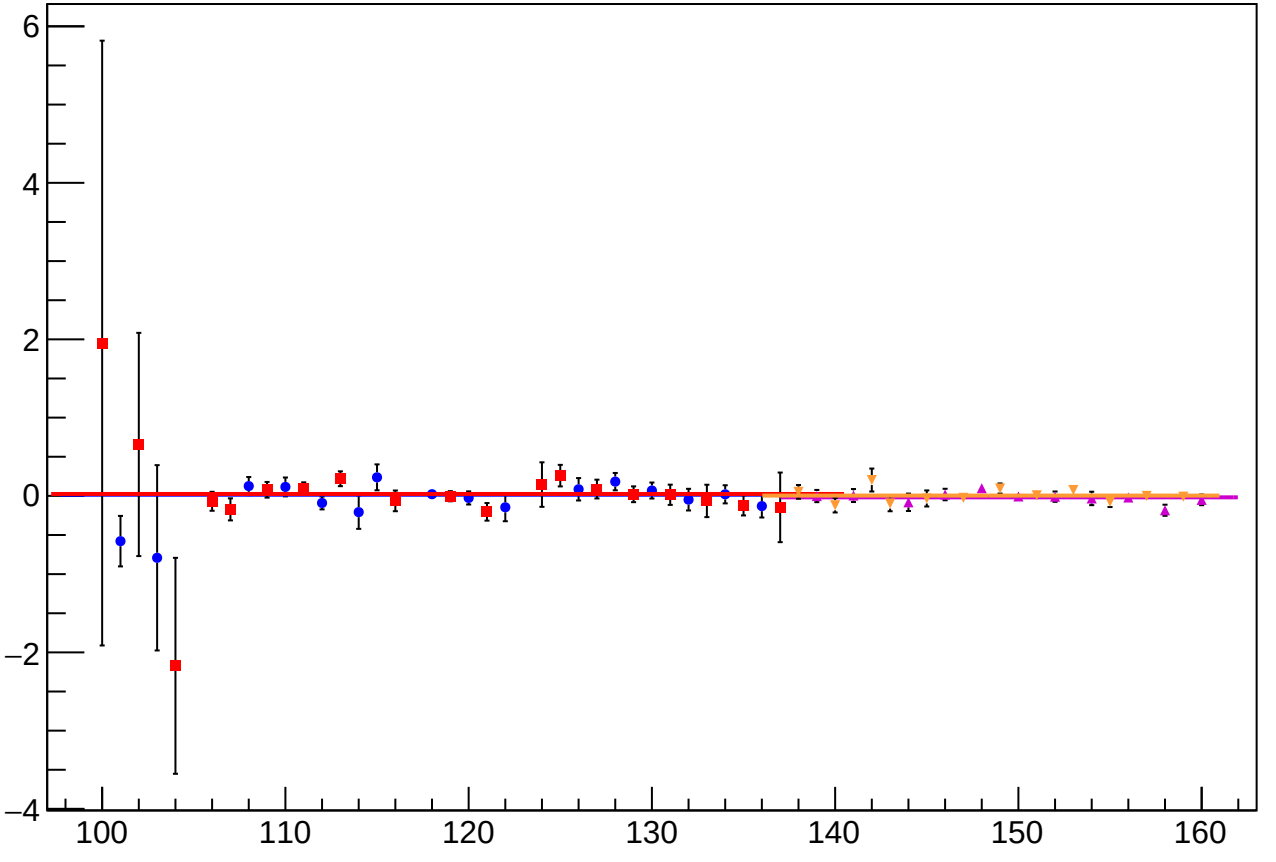
Left In: 60.570+/-0.015 χ^2/NDF:522914.7/10

+ sign 56.045+/-0.012 χ^2/NDF: 4113347.1/27

All: 58.531+/-0.008 χ^2/NDF: 7362000.0/57

- 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+/-0.020 χ^2/NDF:10.3/11

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

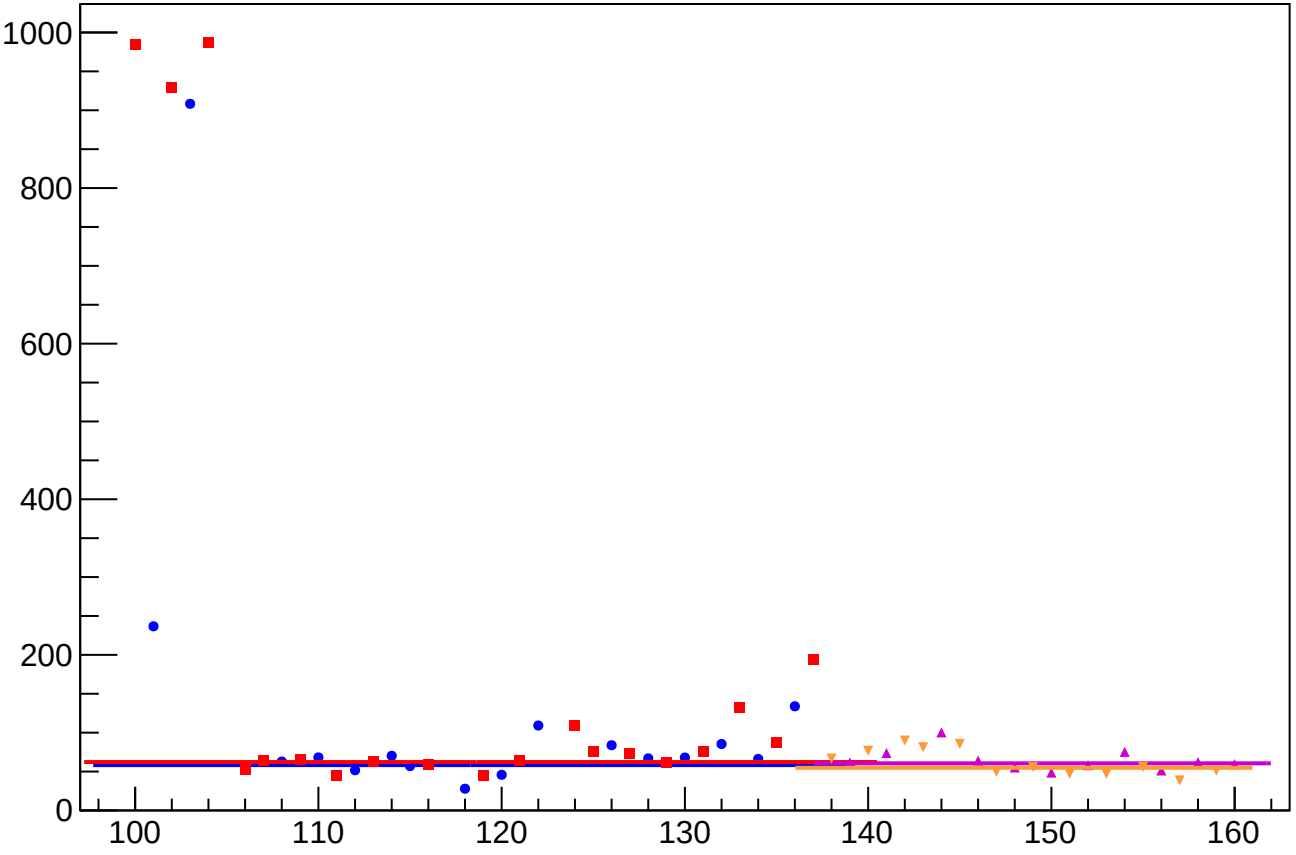
Left In: -0.019+/-0.021 χ^2/NDF:9.7/10

+ sign 0.008+/-0.016 χ^2/NDF: 25.4/27

All: 0.003+/-0.012 χ^2/NDF: 57.6/57

- 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: 54.824+/-0.014 χ^2/NDF:832441.1/11

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

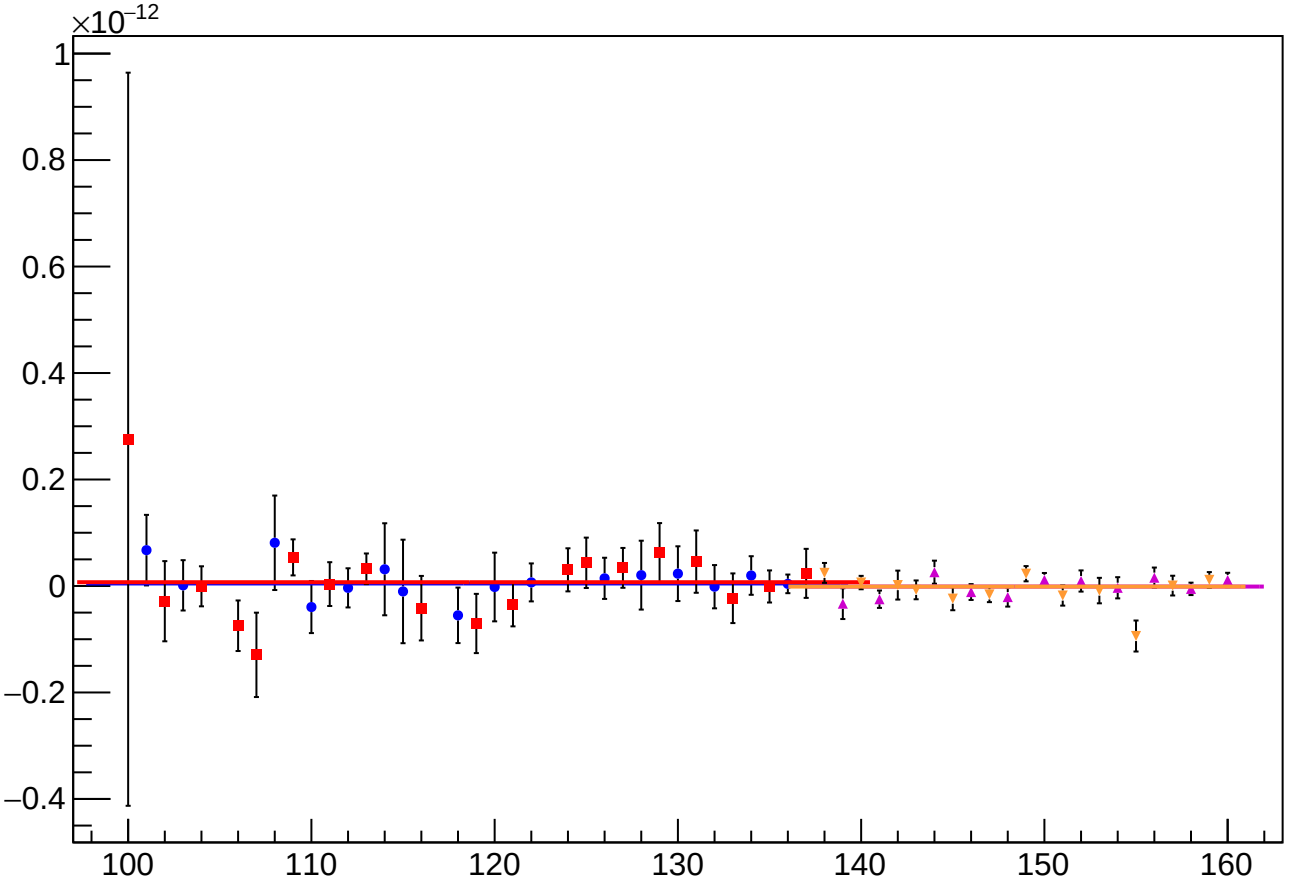
Left In: 60.570+/-0.015 χ^2/NDF:522914.7/10

+ sign 56.045+/-0.012 χ^2/NDF: 4113347.1/27

All: 58.531+/-0.008 χ^2/NDF: 7362000.0/57

- 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:19.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

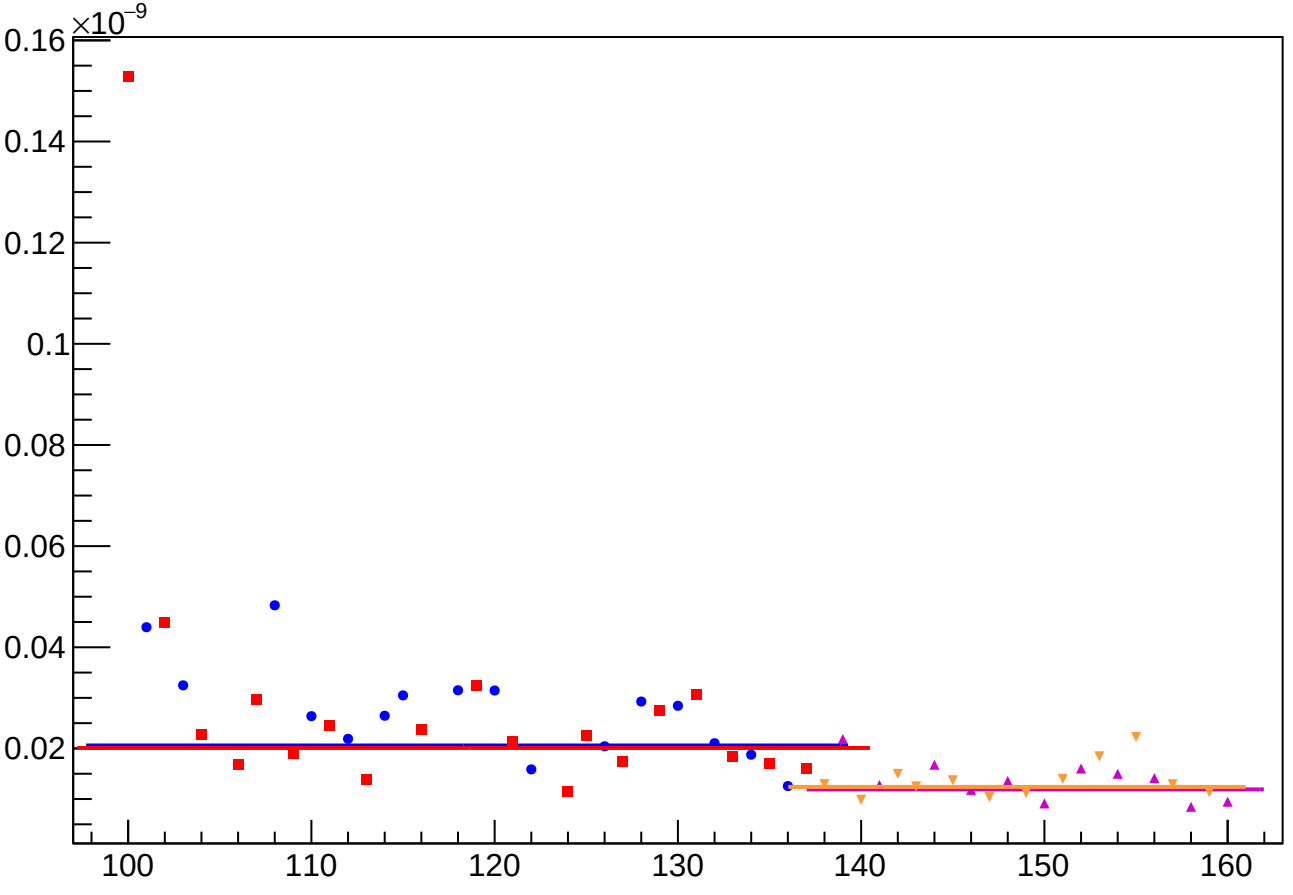
Left In: -0.000+/-0.000 χ^2/NDF:9.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/27

All: 0.000+/-0.000 χ^2/NDF: 50.0/57

- 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:543830.3/11

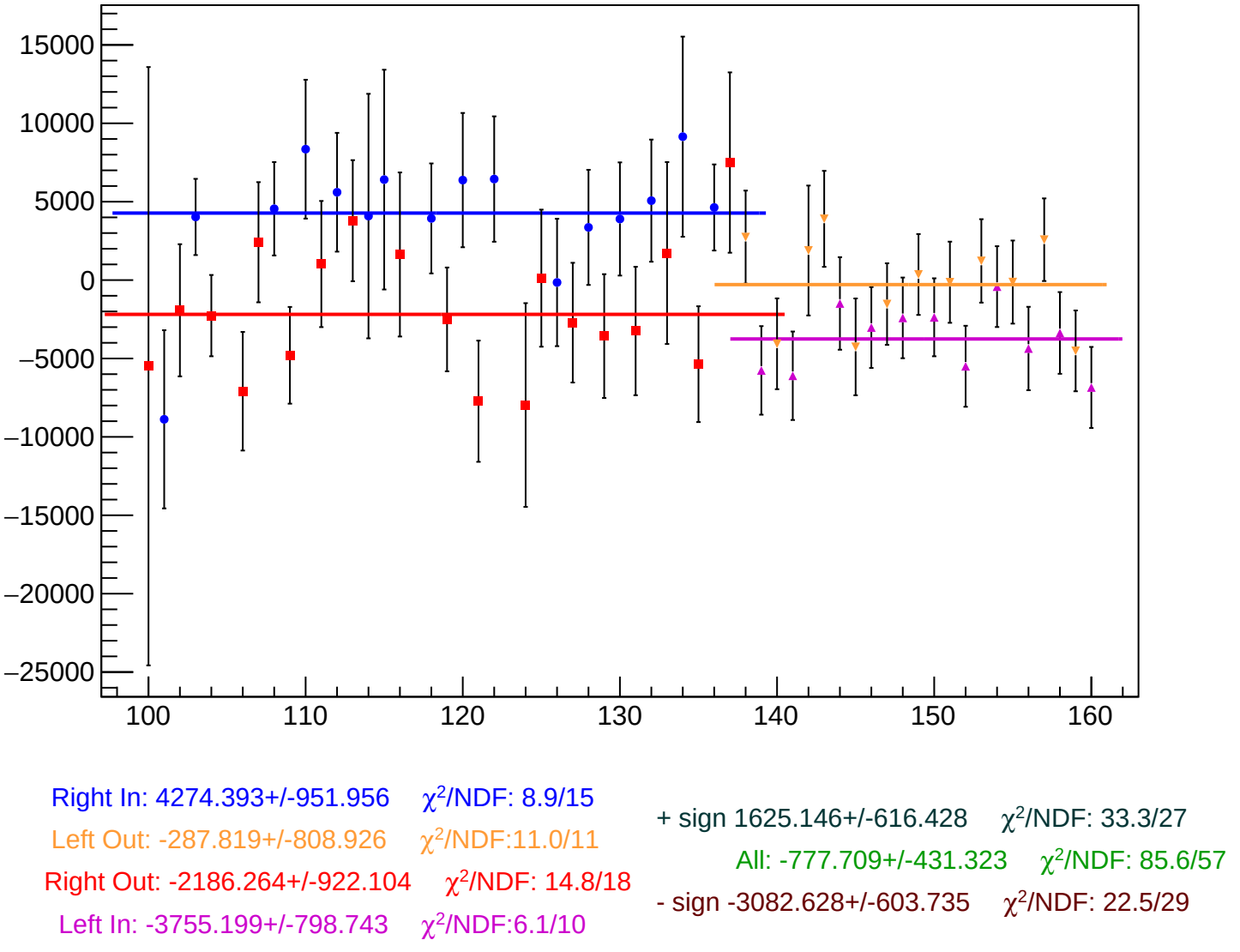
Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:853453.4/10

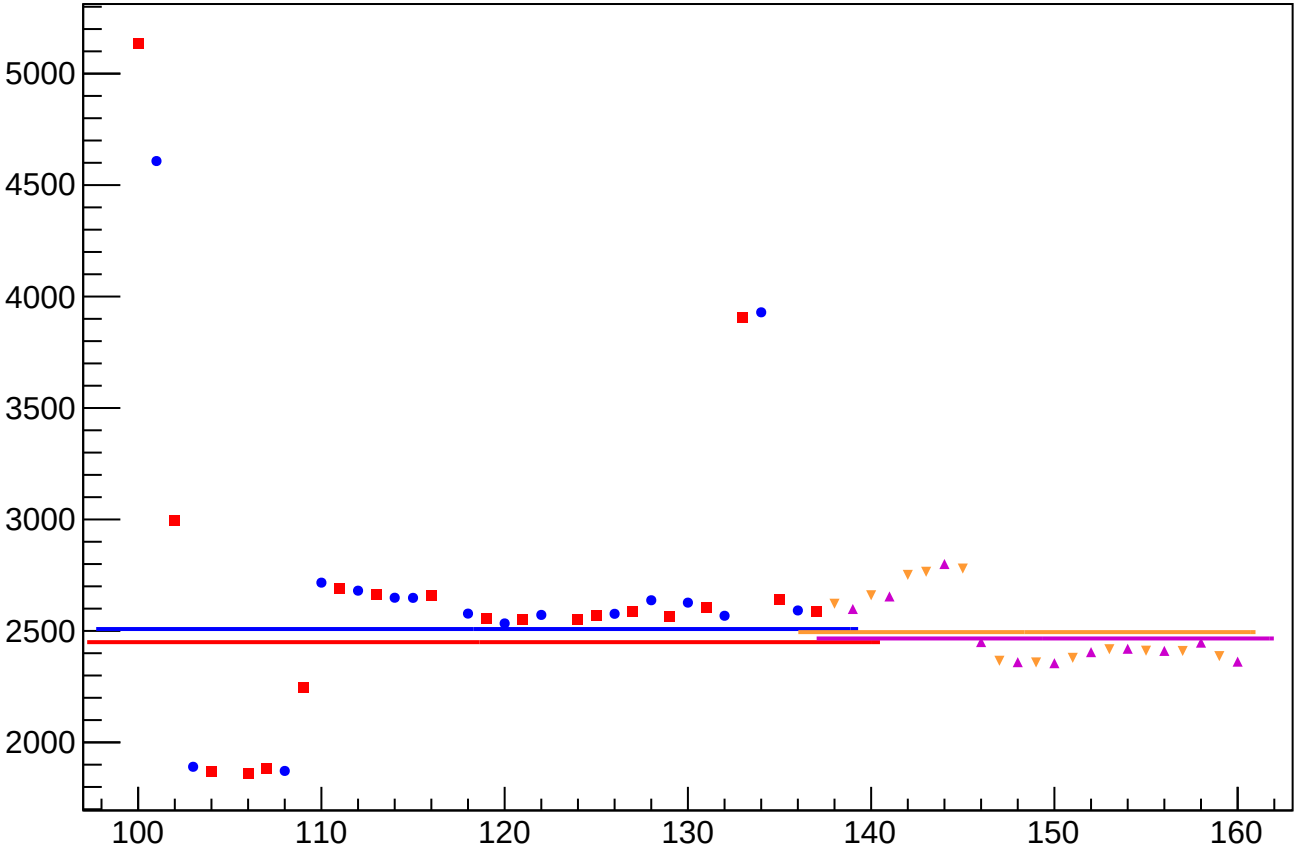
+ sign 0.000+/-0.000 χ^2/NDF: 2887039.9/27

All: 0.000+/-0.000 χ^2/NDF: 5628489.8/57

- sign 0.000+/-0.000 χ^2/NDF: 2727081.6/29


reg_asym_atr2_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 4274.393+/-951.956 χ²/NDF: 8.9/15
Left Out: -287.819+/-808.926 χ²/NDF:11.0/11
Right Out: -2186.264+/-922.104 χ²/NDF: 14.8/18
Left In: -3755.199+/-798.743 χ²/NDF:6.1/10
+ sign 1625.146+/-616.428 χ²/NDF: 33.3/27
All: -777.709+/-431.323 χ²/NDF: 85.6/57
- sign -3082.628+/-603.735 χ²/NDF: 22.5/29

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2494.654+/-0.572 χ^2/NDF:74195.1/11

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

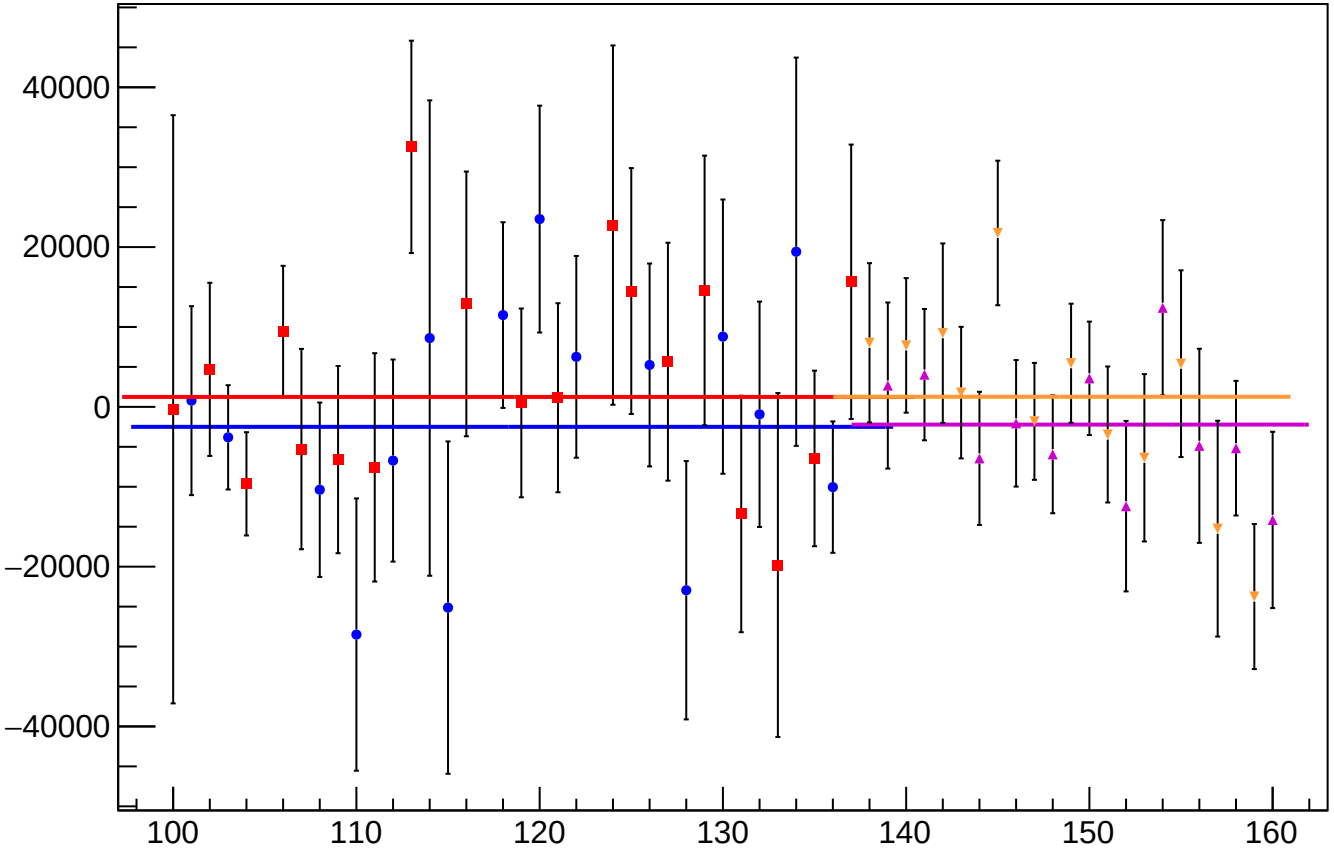
Left In: 2466.120+/-0.565 χ^2/NDF:52367.4/10

+ sign 2500.446+/-0.436 χ^2/NDF: 686029.3/27

All: 2479.316+/-0.305 χ^2/NDF: 1180267.3/57

- 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: 1261.772+/-2639.007 χ^2/NDF:17.2/11

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

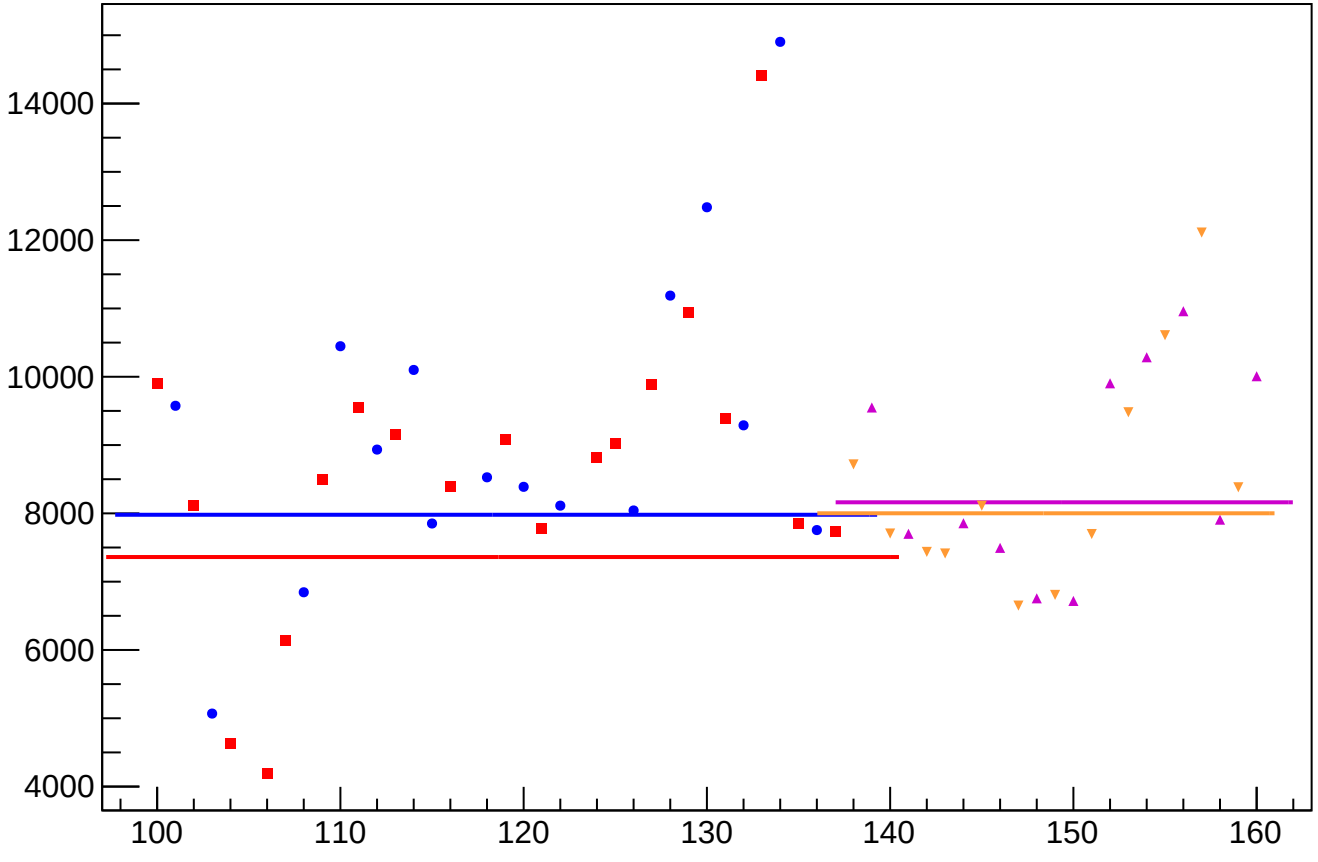
Left In: -2217.719+/-2684.274 χ^2/NDF:6.0/10

+ sign -333.651+/-2002.784 χ^2/NDF: 31.8/27

All: -465.909+/-1398.950 χ^2/NDF: 55.2/57

- 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: 8001.069+/-1.866 χ^2/NDF:478695.7/11

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

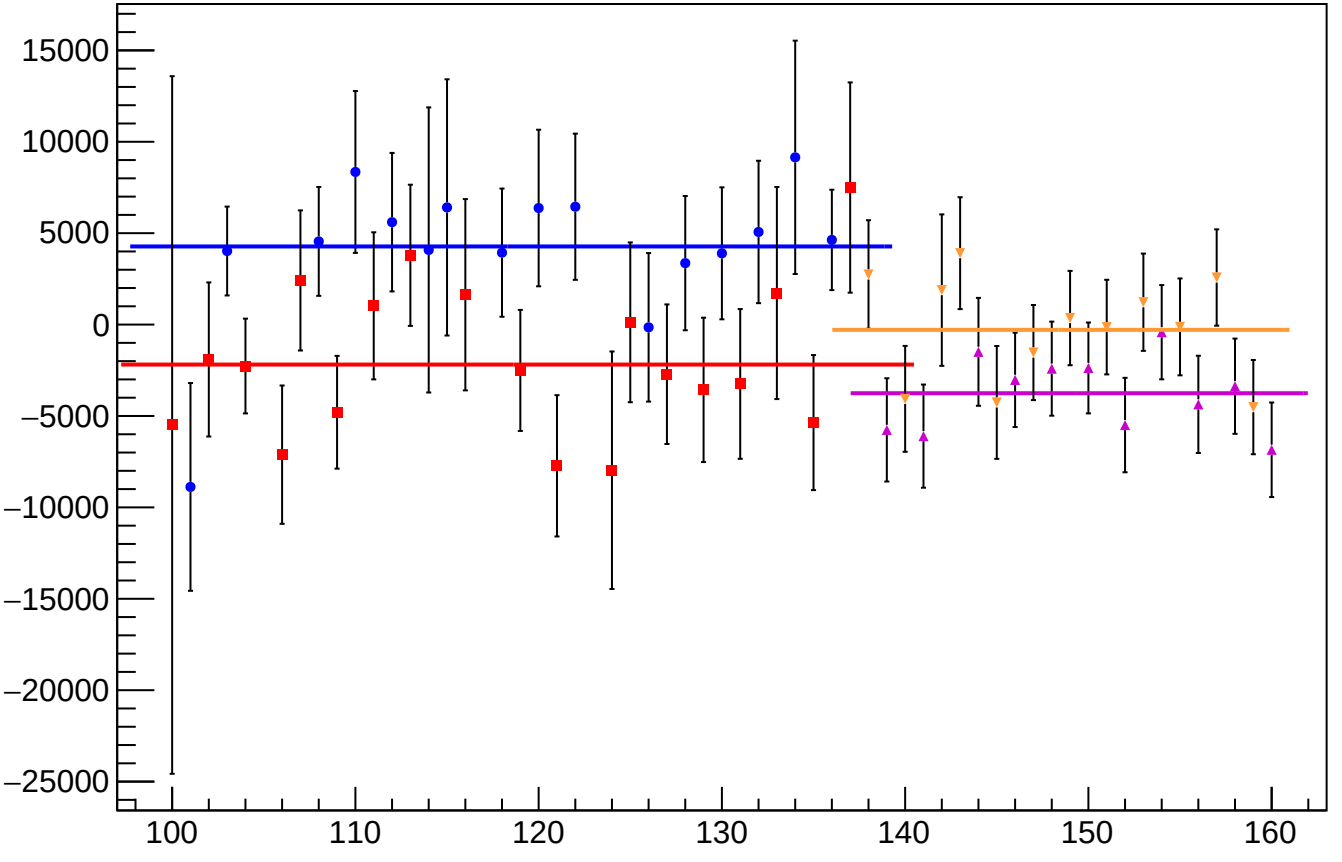
Left In: 8161.955+/-1.898 χ^2/NDF:506332.3/10

+ sign 7991.917+/-1.416 χ^2/NDF: 1401836.3/27

All: 7886.316+/-0.989 χ^2/NDF: 3288711.7/57

- sign 7785.703+/-1.382 χ^2/NDF: 1876017.4/29

cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -288.091+/-808.926 χ^2/NDF:11.0/11

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

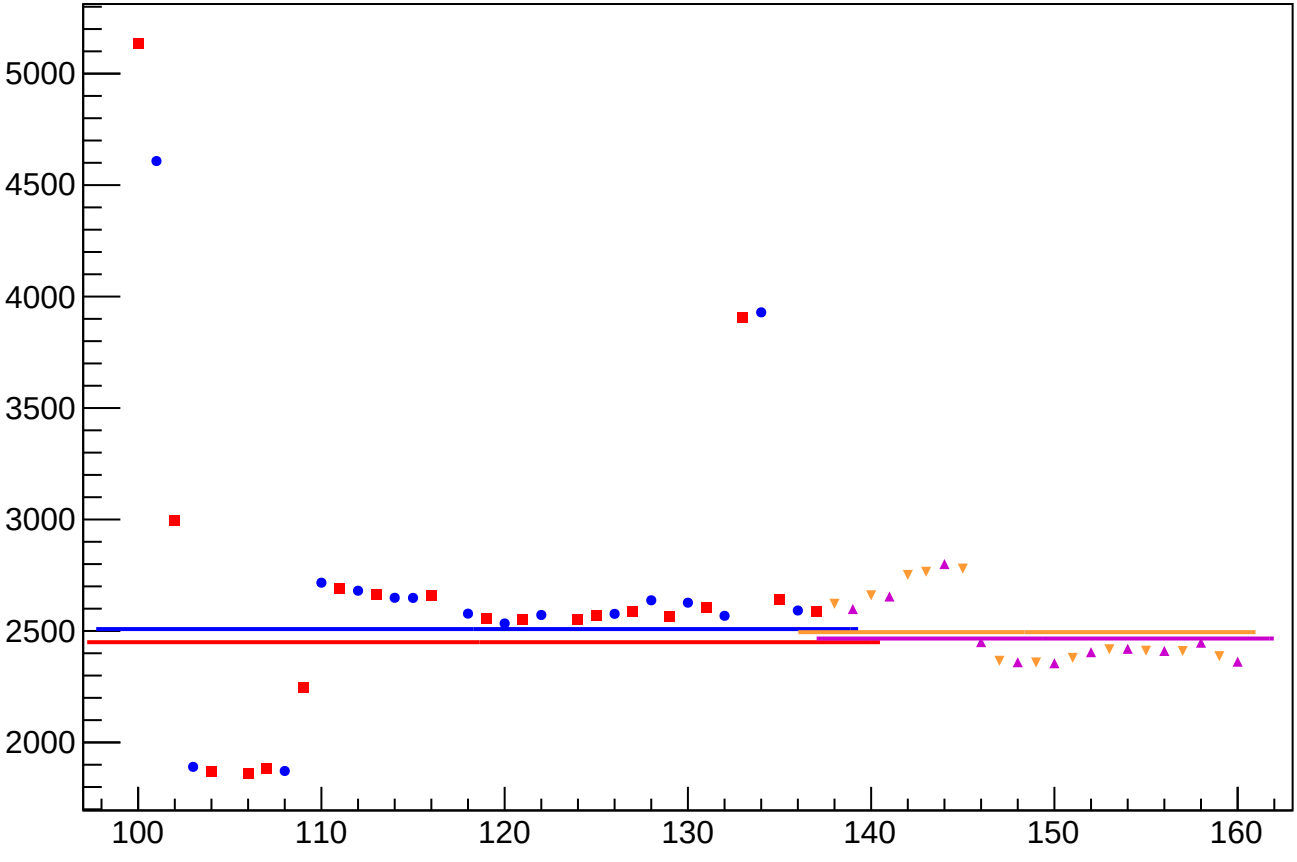
Left In: -3755.262+/-798.743 χ^2/NDF:6.1/10

+ sign 1624.781+/-616.428 χ^2/NDF: 33.3/27

All: -778.037+/-431.324 χ^2/NDF: 85.6/57

- 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: 2494.654+/-0.572 χ^2/NDF:74195.1/11

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

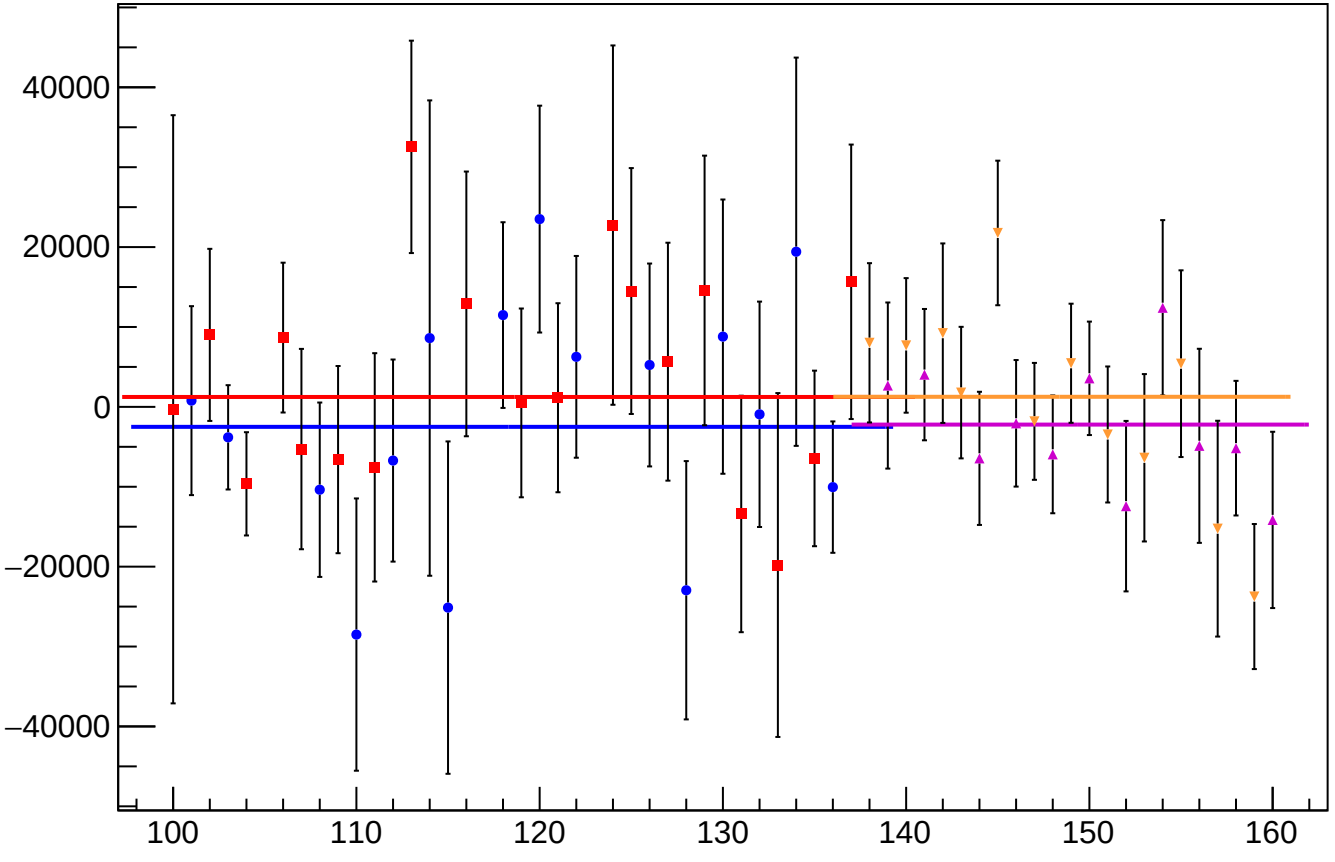
Left In: 2466.120+/-0.565 χ^2/NDF:52367.3/10

+ sign 2500.446+/-0.436 χ^2/NDF: 686027.1/27

All: 2479.322+/-0.305 χ^2/NDF: 1180207.4/57

- 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: 1261.711+/-2639.002 χ^2/NDF:17.2/11

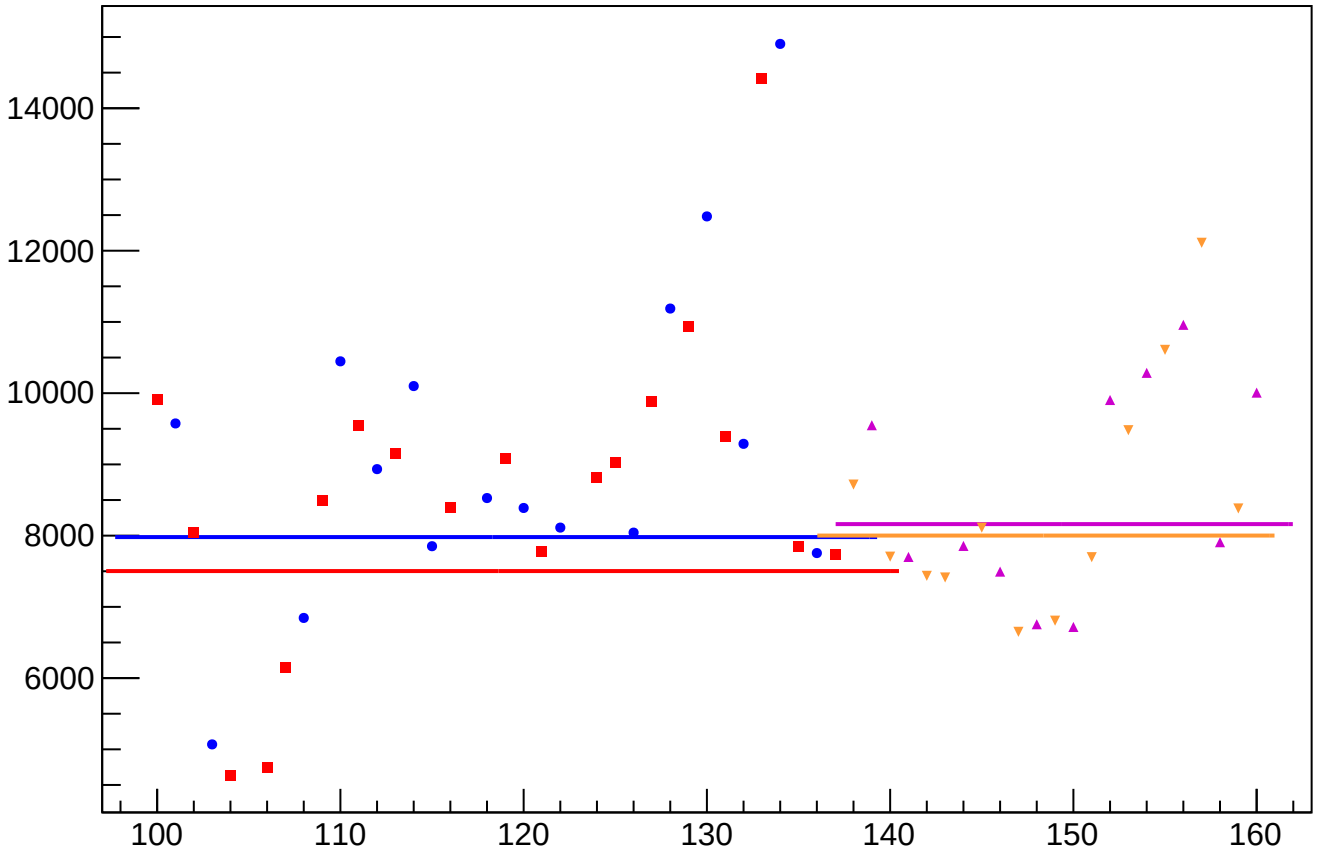
Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: -2217.859+/-2684.274 χ^2/NDF:6.0/10

+ sign -333.537+/-2002.806 χ^2/NDF: 31.8/27

All: -478.516+/-1403.683 χ^2/NDF: 55.3/57

- 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: 8001.054+/-1.866 χ^2/NDF:478700.8/11

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

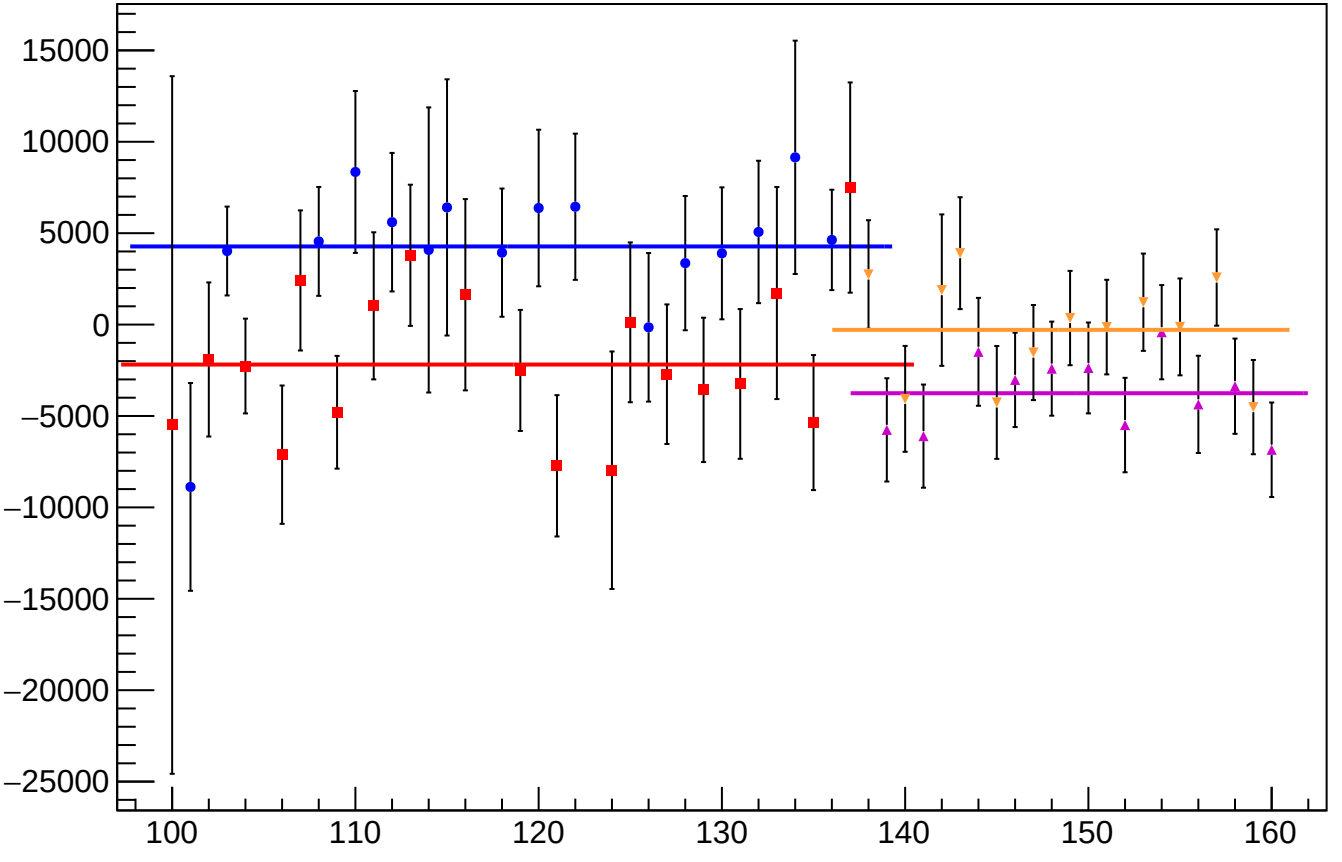
Left In: 8161.955+/-1.898 χ^2/NDF:506334.2/10

+ sign 7992.047+/-1.416 χ^2/NDF: 1401541.2/27

All: 7923.341+/-0.993 χ^2/NDF: 3103828.1/57

- 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: -288.091+/-808.926 χ^2/NDF:11.0/11

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

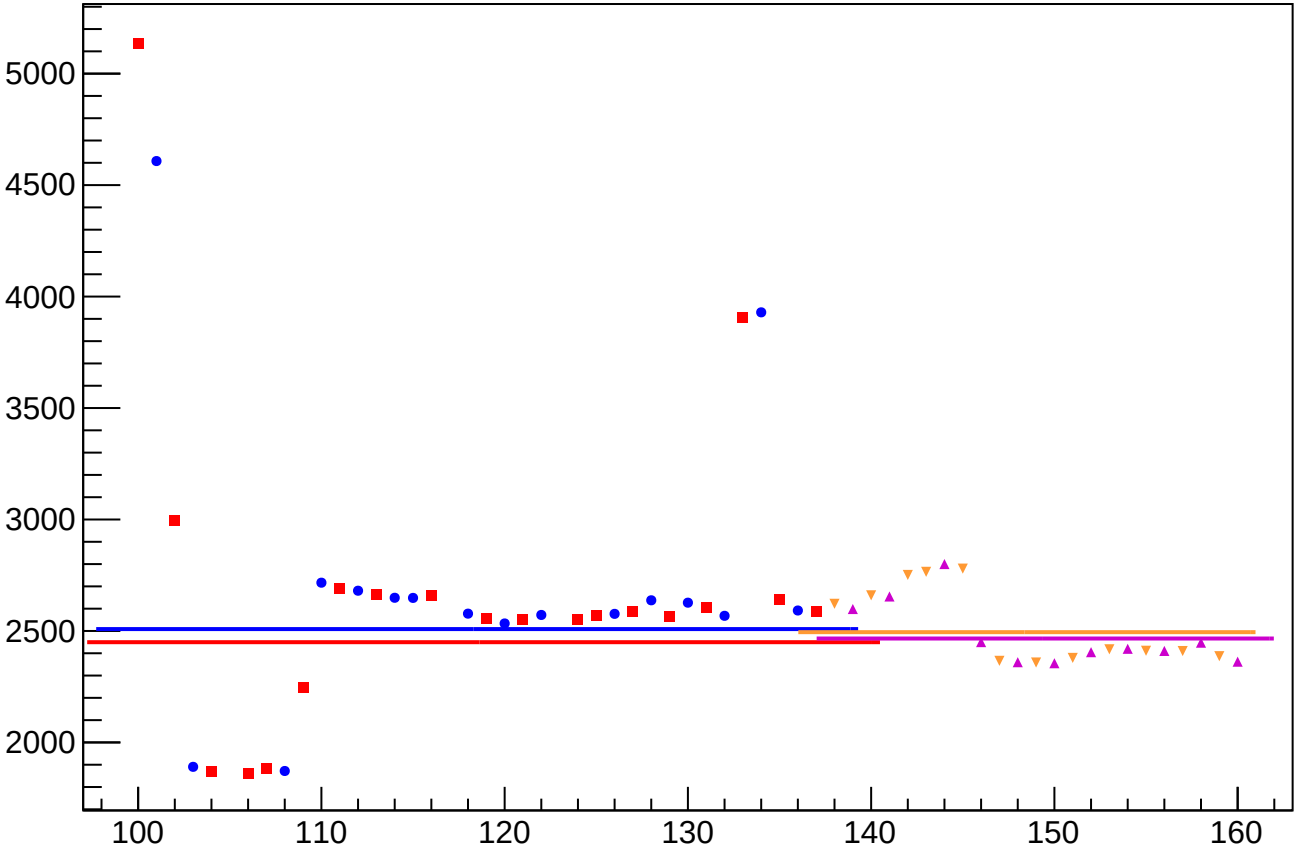
Left In: -3755.262+/-798.743 χ^2/NDF:6.1/10

+ sign 1624.781+/-616.428 χ^2/NDF: 33.3/27

All: -778.037+/-431.324 χ^2/NDF: 85.6/57

- 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: 2494.654+/-0.572 χ^2/NDF:74195.1/11

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

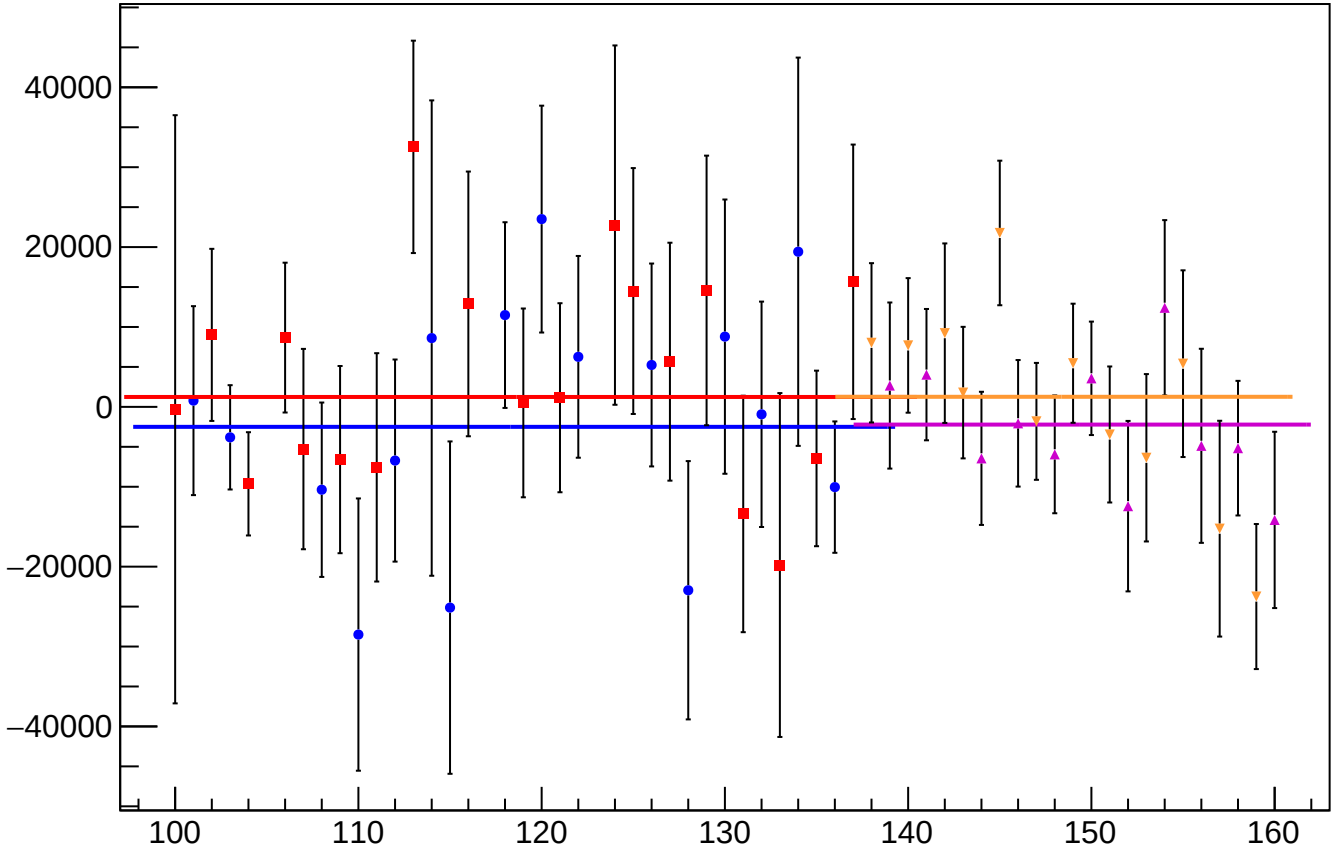
Left In: 2466.120+/-0.565 χ^2/NDF:52367.3/10

+ sign 2500.446+/-0.436 χ^2/NDF: 686027.1/27

All: 2479.322+/-0.305 χ^2/NDF: 1180207.4/57

- 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: 1261.711+/-2639.002 χ^2/NDF:17.2/11

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

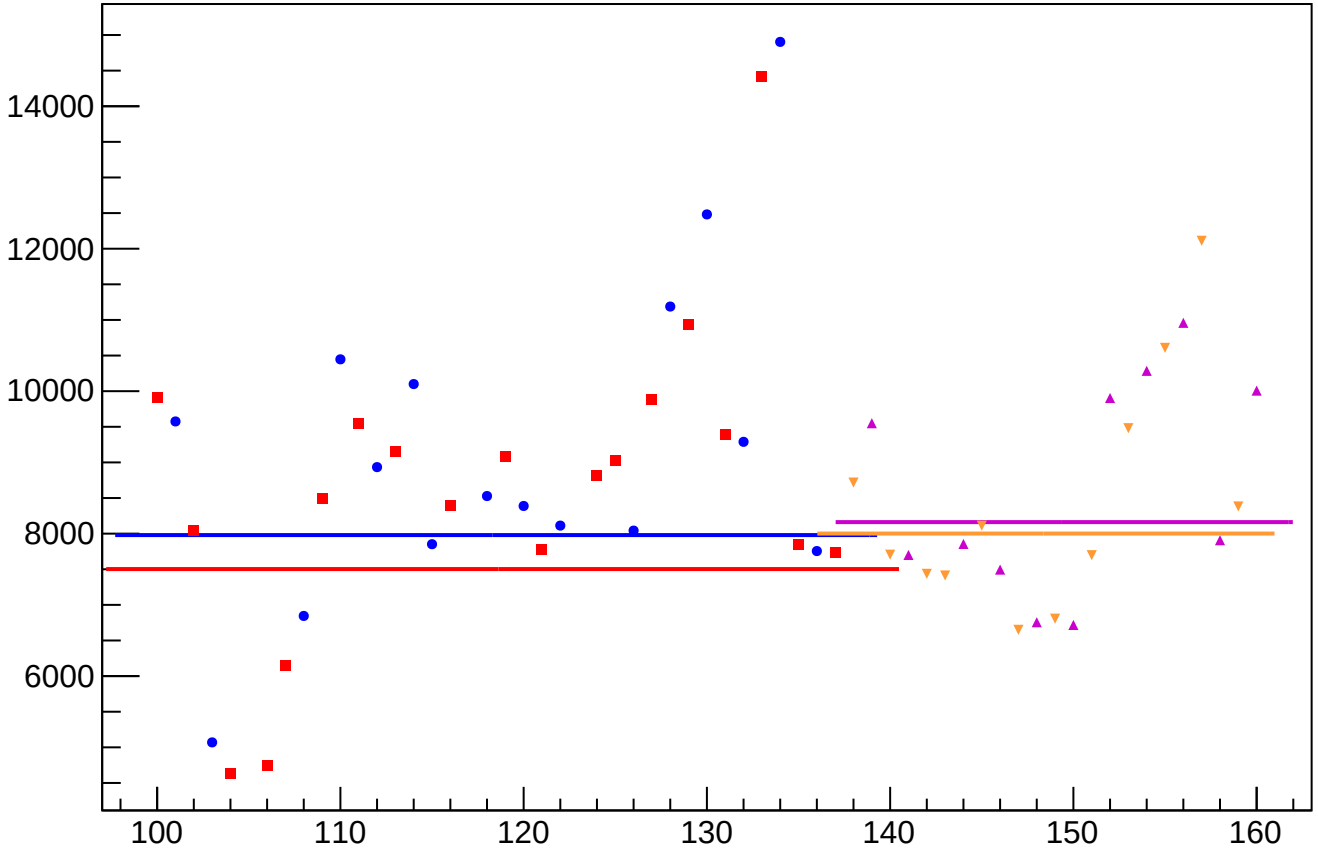
Left In: -2217.859+/-2684.274 χ^2/NDF:6.0/10

+ sign -333.537+/-2002.806 χ^2/NDF: 31.8/27

All: -478.516+/-1403.683 χ^2/NDF: 55.3/57

- 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: 8001.054+/-1.866 χ^2/NDF:478700.8/11

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

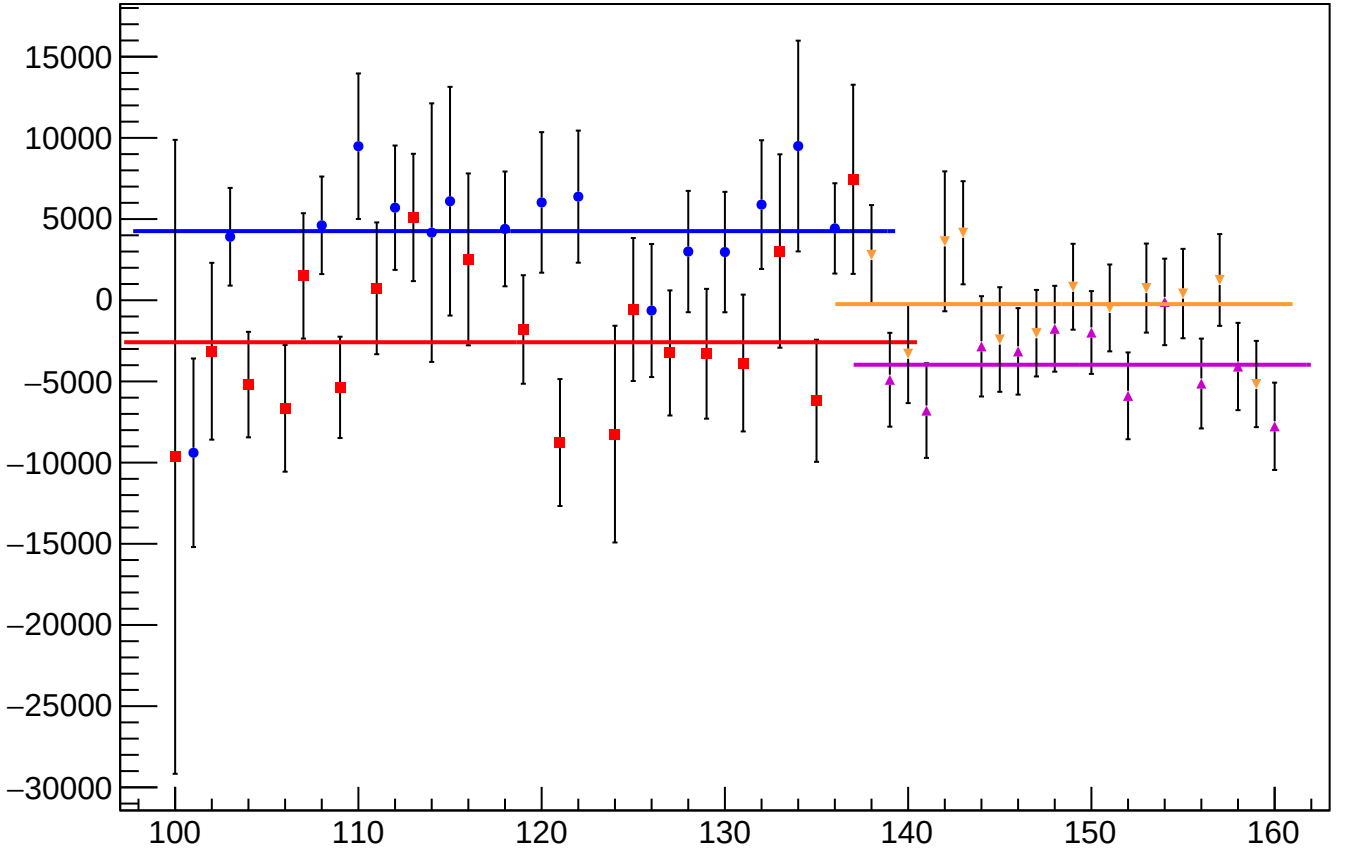
Left In: 8161.955+/-1.898 χ^2/NDF:506334.2/10

+ sign 7992.047+/-1.416 χ^2/NDF: 1401541.2/27

All: 7923.341+/-0.993 χ^2/NDF: 3103828.1/57

- sign 7857.011+/-1.391 χ^2/NDF: 1697661.0/29

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: -238.582+/-839.512 χ^2/NDF:9.7/11

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

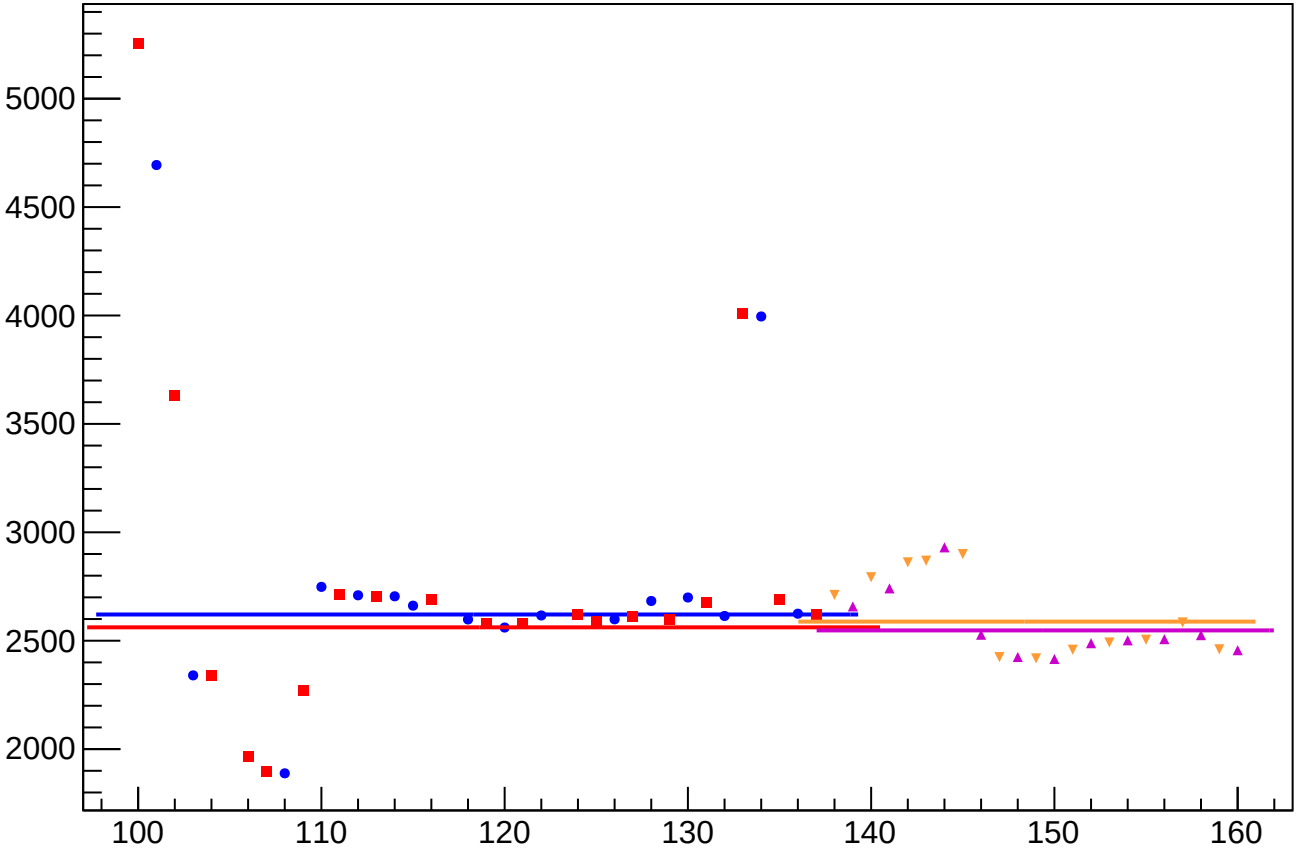
Left In: -3971.876+/-825.253 χ^2/NDF:7.4/10

+ sign 1640.699+/-640.438 χ^2/NDF: 31.7/27

All: -924.374+/-448.204 χ^2/NDF: 89.4/57

- 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: 2588.103+/-0.594 χ^2/NDF:84079.5/11

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

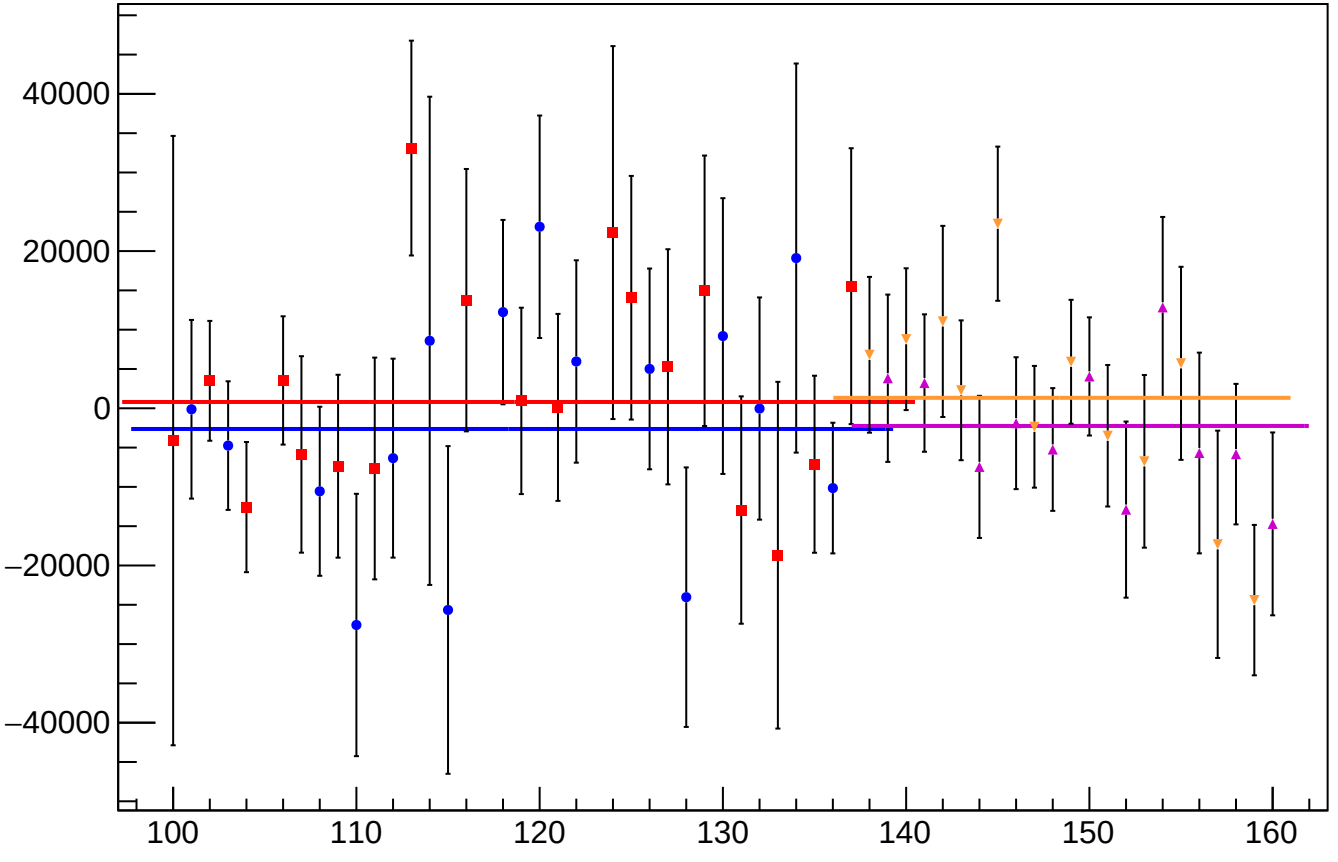
Left In: 2547.561+/-0.584 χ^2/NDF:56732.1/10

+ sign 2601.840+/-0.453 χ^2/NDF: 571274.6/27

All: 2577.189+/-0.317 χ^2/NDF: 1012320.6/57

- 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: 1332.678+/-2795.227 χ^2/NDF:17.2/11

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

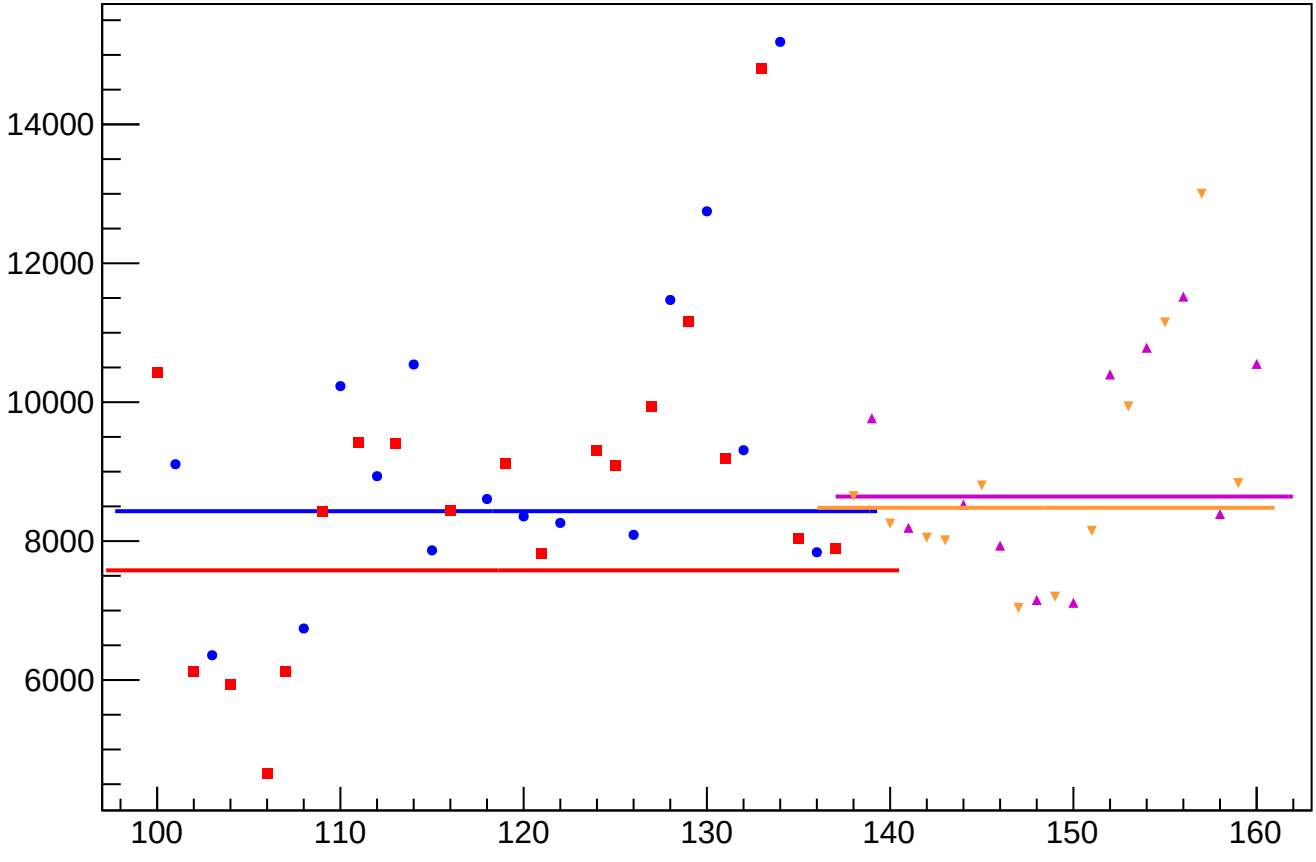
Left In: -2248.662+/-2839.674 χ^2/NDF:5.9/10

\+ sign -376.180+/-2108.444 χ^2/NDF: 31.8/27

All: -566.259+/-1458.474 χ^2/NDF: 53.7/57

\- 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: 8479.649+/-1.977 χ^2/NDF:464831.6/11

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

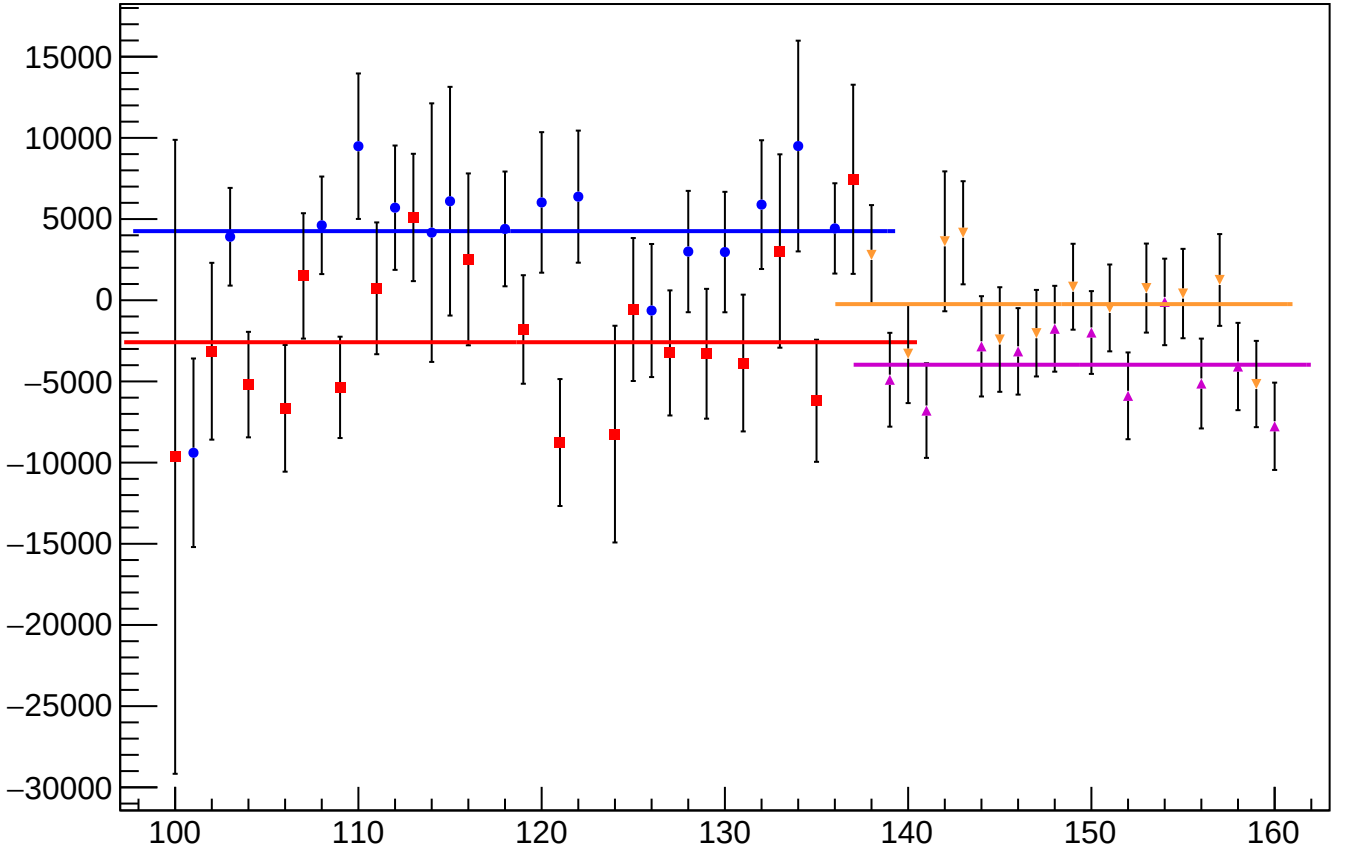
Left In: 8641.546+/-2.008 χ^2/NDF:473561.2/10

+ sign 8458.580+/-1.491 χ^2/NDF: 1045390.3/27

All: 8280.189+/-1.031 χ^2/NDF: 2658881.4/57

- 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: -238.597+/-839.512 χ^2/NDF:9.7/11

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

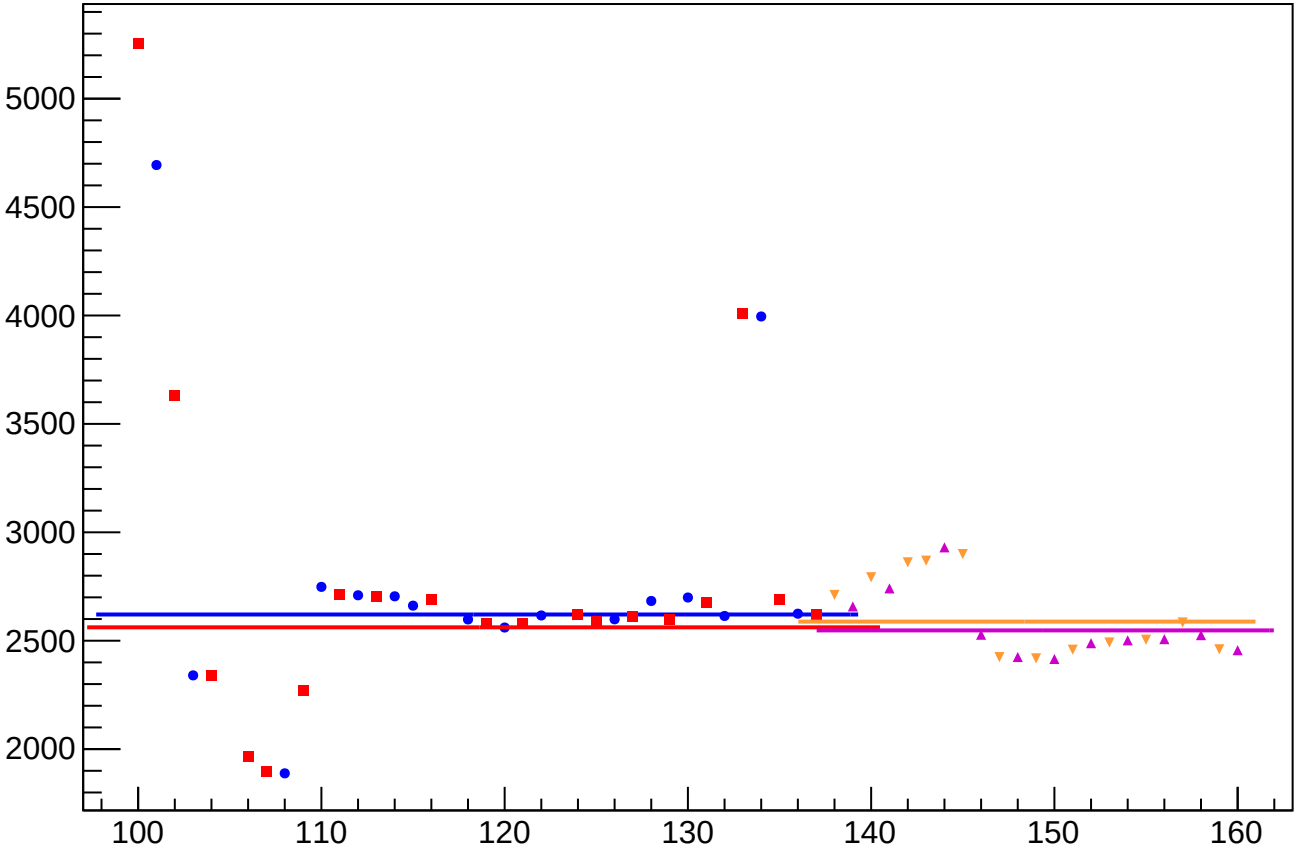
Left In: -3971.877+/-825.253 χ^2/NDF:7.4/10

+ sign 1640.696+/-640.438 χ^2/NDF: 31.7/27

All: -924.378+/-448.204 χ^2/NDF: 89.4/57

- 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: 2588.105+/-0.594 χ^2/NDF:84079.6/11

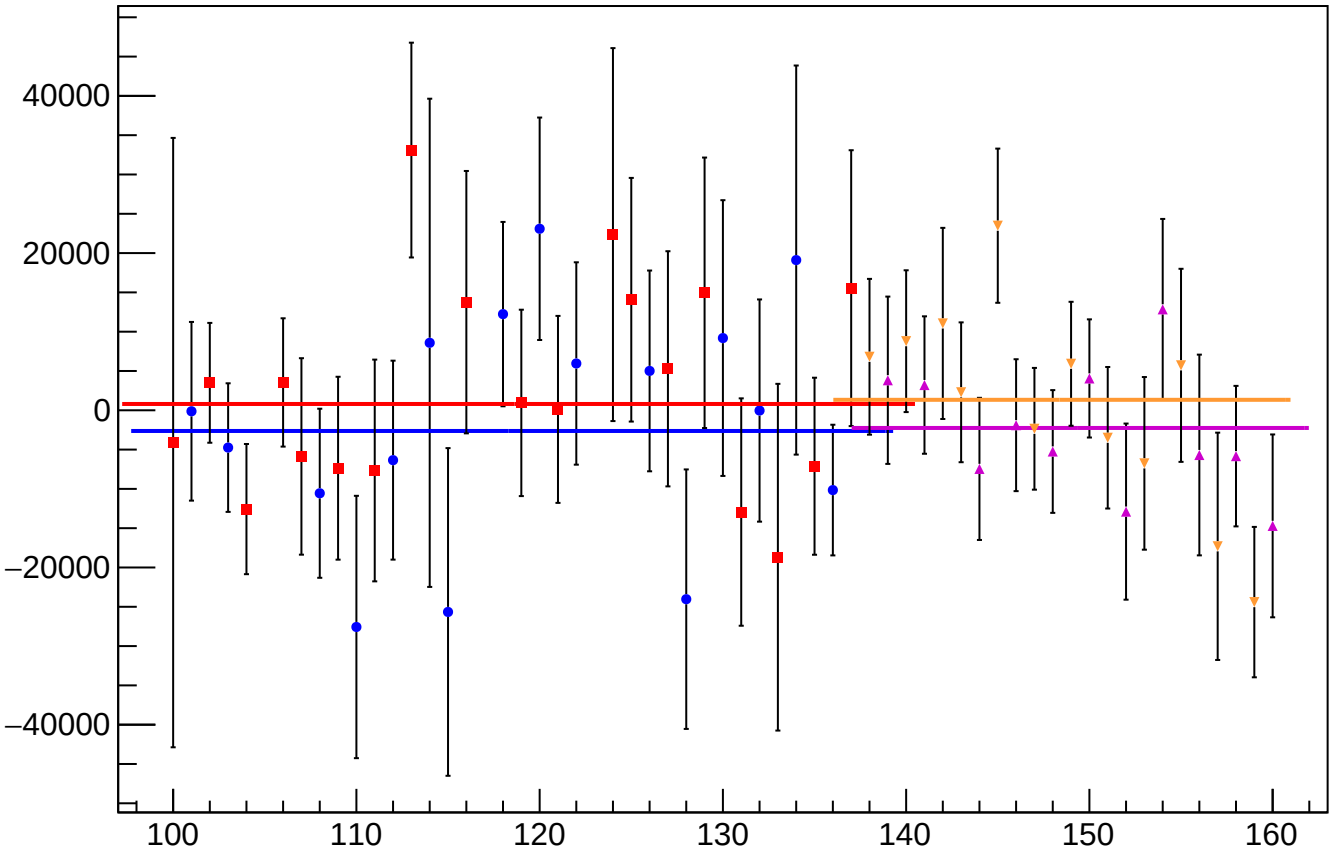
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2547.563+/-0.584 χ^2/NDF:56731.8/10

+ sign 2601.841+/-0.453 χ^2/NDF: 571274.7/27

All: 2577.190+/-0.317 χ^2/NDF: 1012319.8/57

- 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: 1332.670+/-2795.231 χ^2/NDF:17.2/11

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

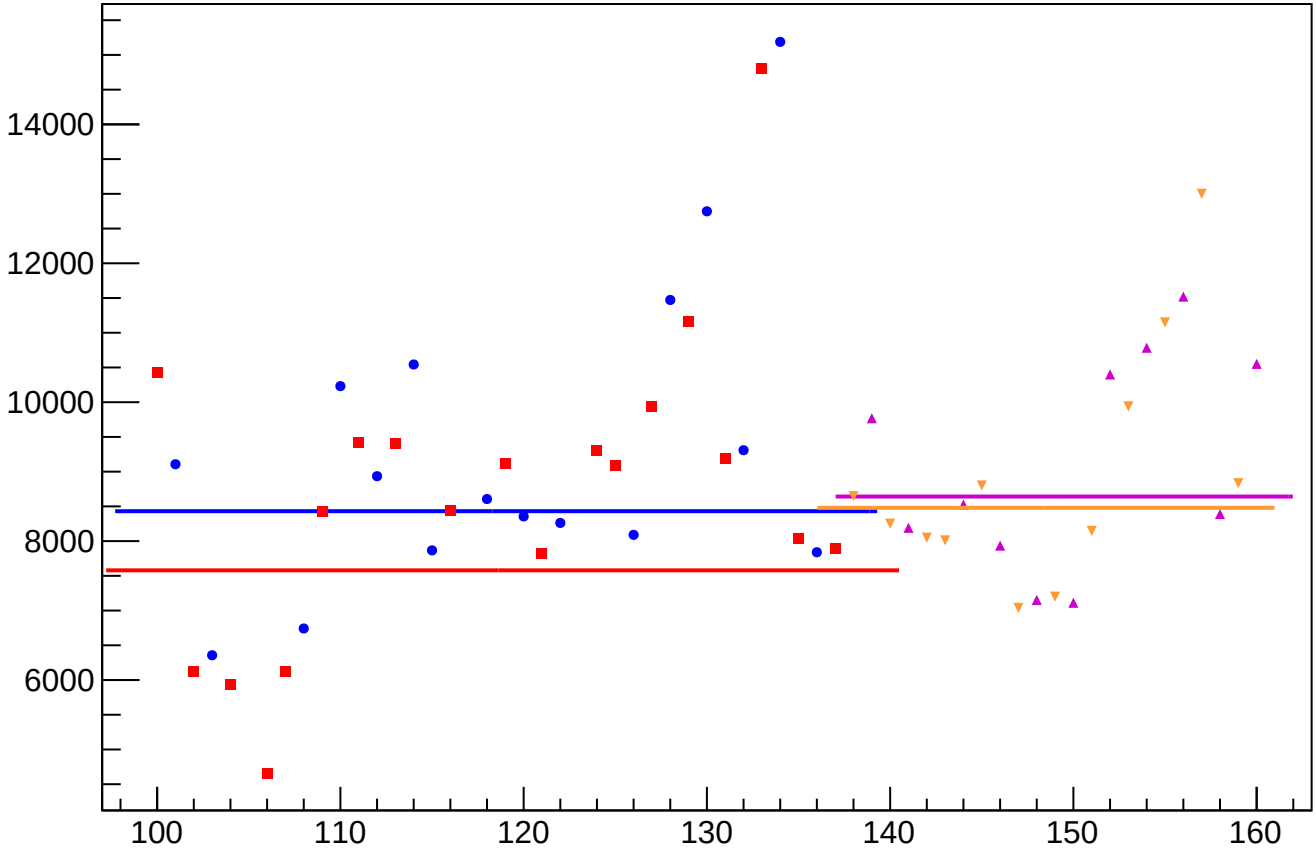
Left In: -2248.659+/-2839.677 χ^2/NDF:5.9/10

+ sign -376.175+/-2108.444 χ^2/NDF: 31.8/27

All: -566.254+/-1458.474 χ^2/NDF: 53.7/57

- 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: 8479.661+/-1.977 χ^2/NDF:464830.0/11

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

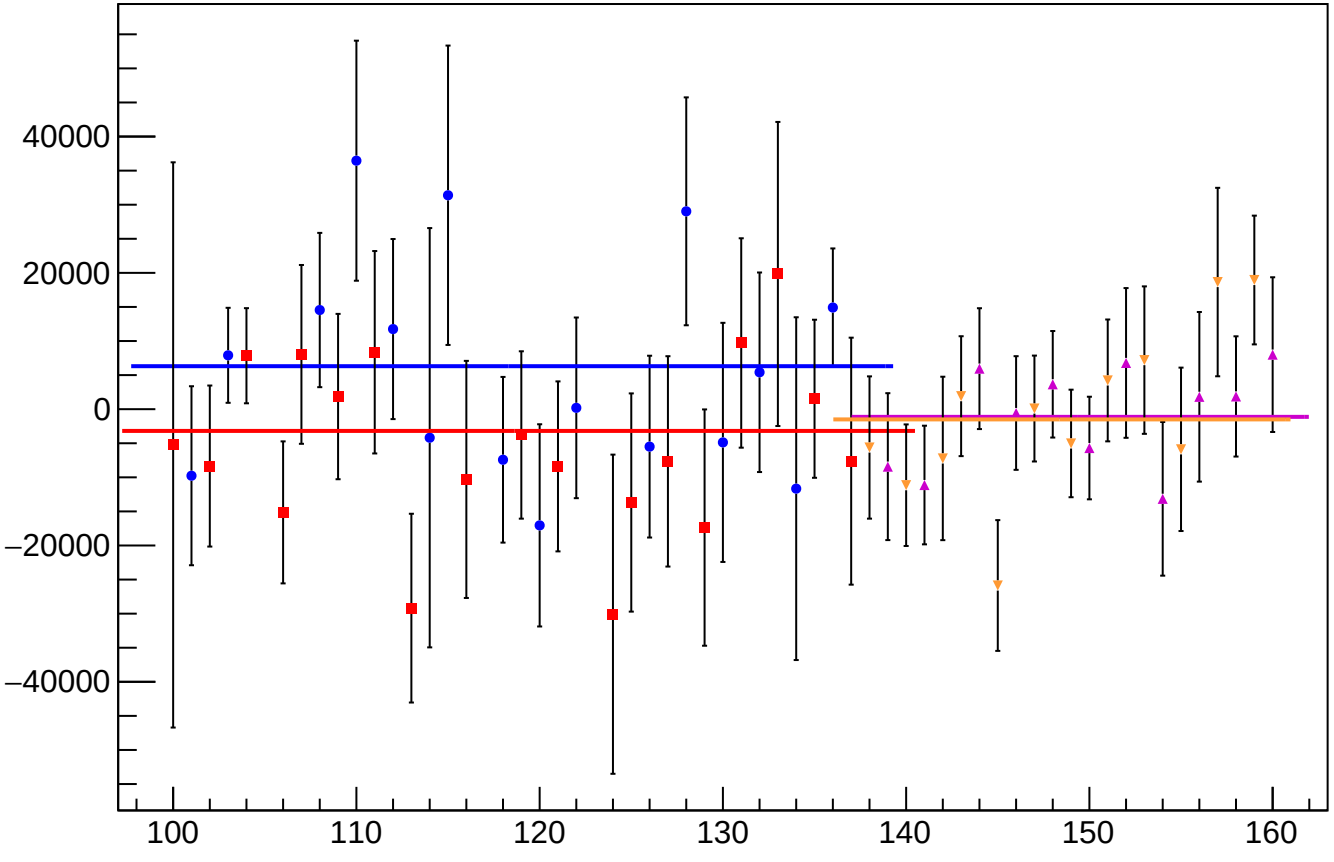
Left In: 8641.558+/-2.008 χ^2/NDF:473558.8/10

+ sign 8458.582+/-1.491 χ^2/NDF: 1045383.2/27

All: 8280.190+/-1.031 χ^2/NDF: 2658875.1/57

- sign 8116.513+/-1.428 χ^2/NDF: 1586038.4/29

asym_atr2_mean vs Slug



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -1500.951+/-2777.892 χ^2/NDF:16.4/11

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

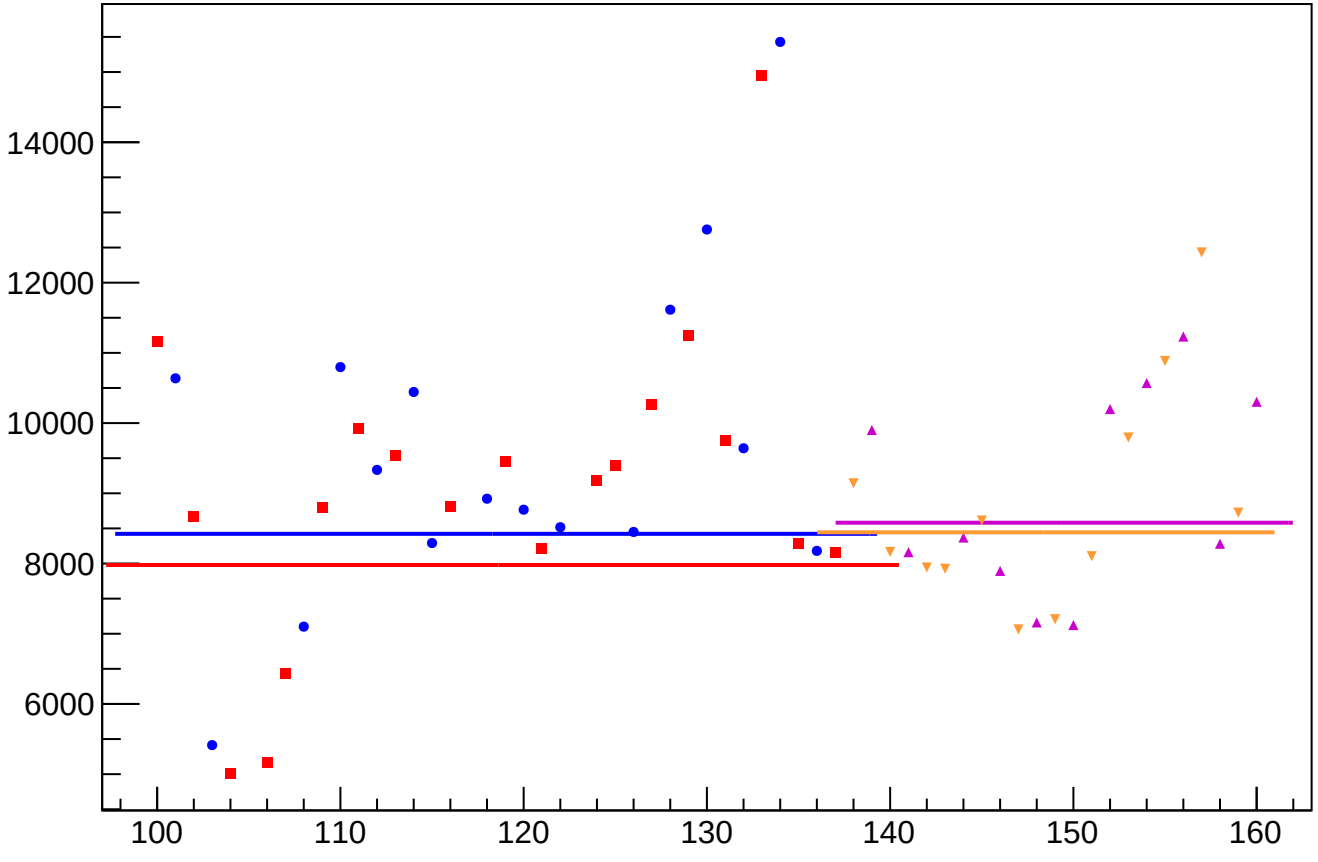
Left In: -1126.049+/-2815.316 χ^2/NDF:5.6/10

+ sign 1807.339+/-2108.810 χ^2/NDF: 34.9/27

All: -162.622+/-1478.880 χ^2/NDF: 56.3/57

- 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: 8444.293+/-1.964 χ^2/NDF:419526.1/11

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

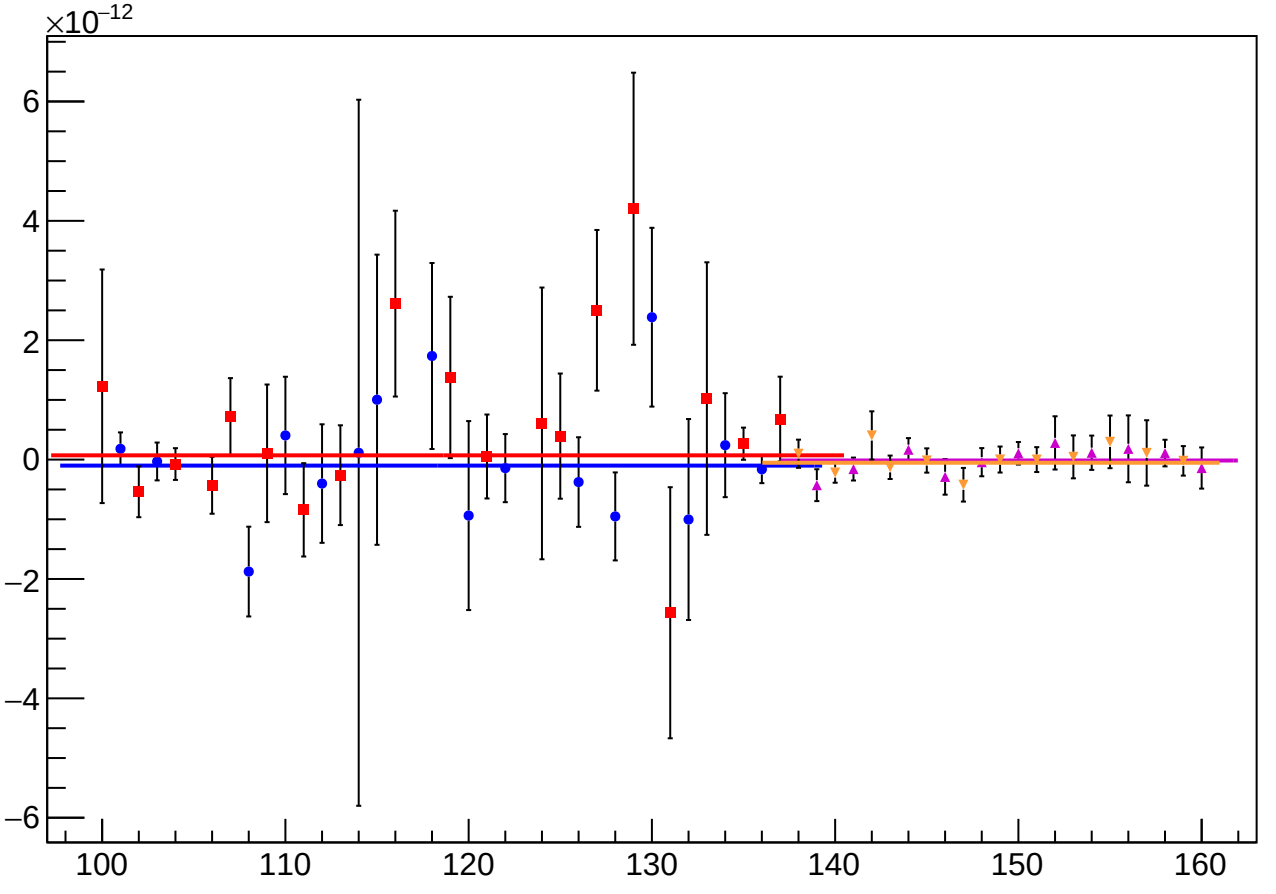
Left In: 8581.181+/-1.991 χ^2/NDF:435369.9/10

+ sign 8435.151+/-1.491 χ^2/NDF: 1301411.1/27

All: 8369.497+/-1.046 χ^2/NDF: 2798434.5/57

- 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:5.5/11

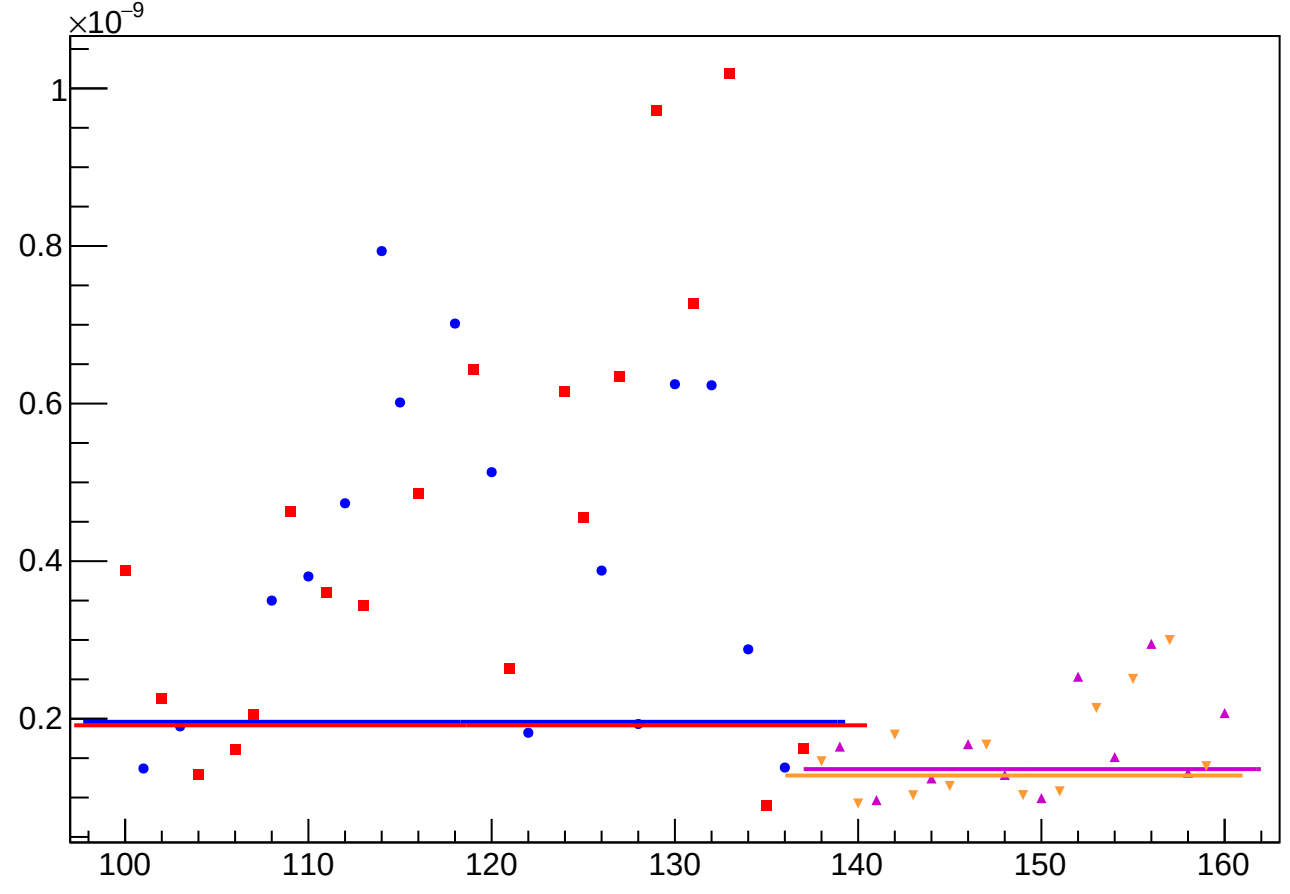
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/10

+ sign -0.000+/-0.000 χ^2/NDF: 19.2/27

All: -0.000+/-0.000 χ^2/NDF: 45.9/57

- 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:725867.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

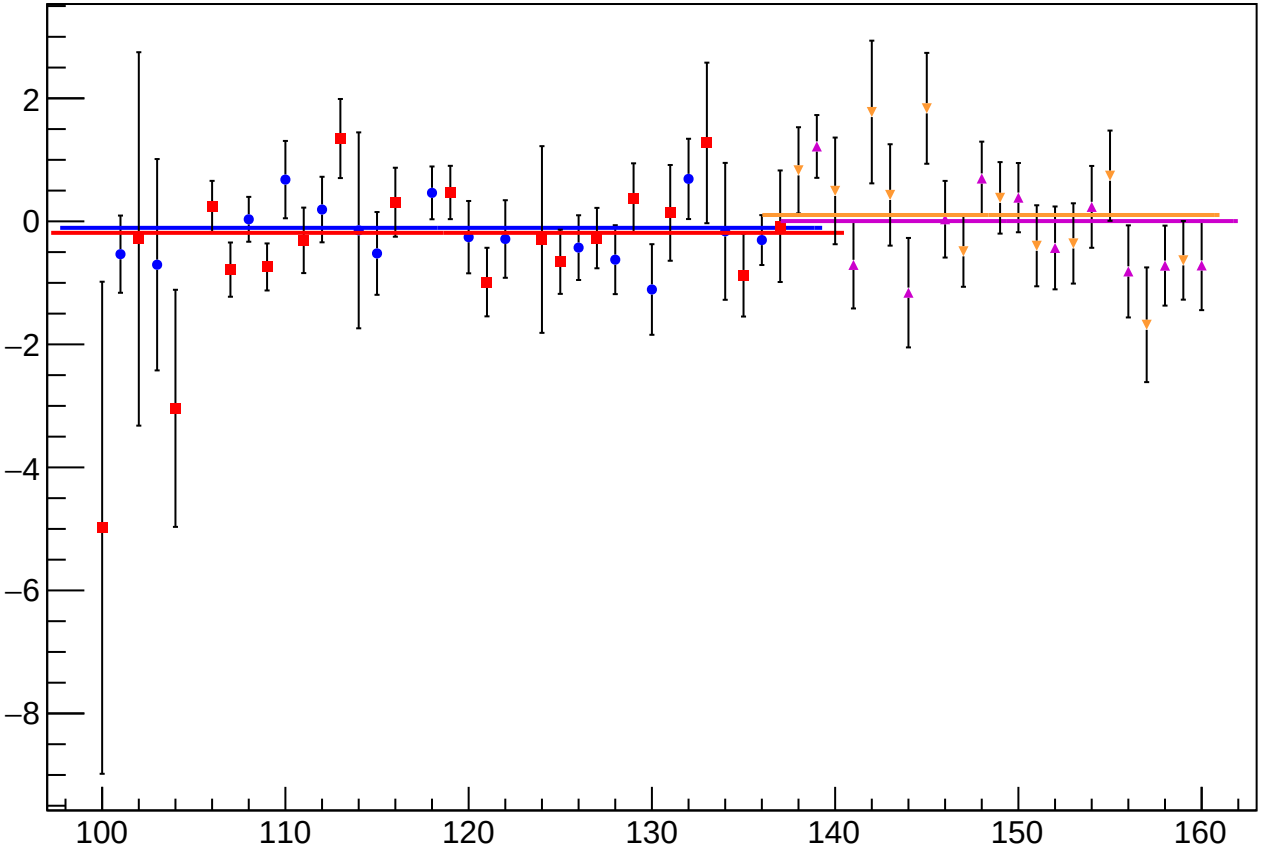
Left In: 0.000+/-0.000 χ^2/NDF:605706.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 2469951.8/27

All: 0.000+/-0.000 χ^2/NDF: 5396183.8/57

- 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: 0.103+/-0.209 χ^2/NDF:15.3/11

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

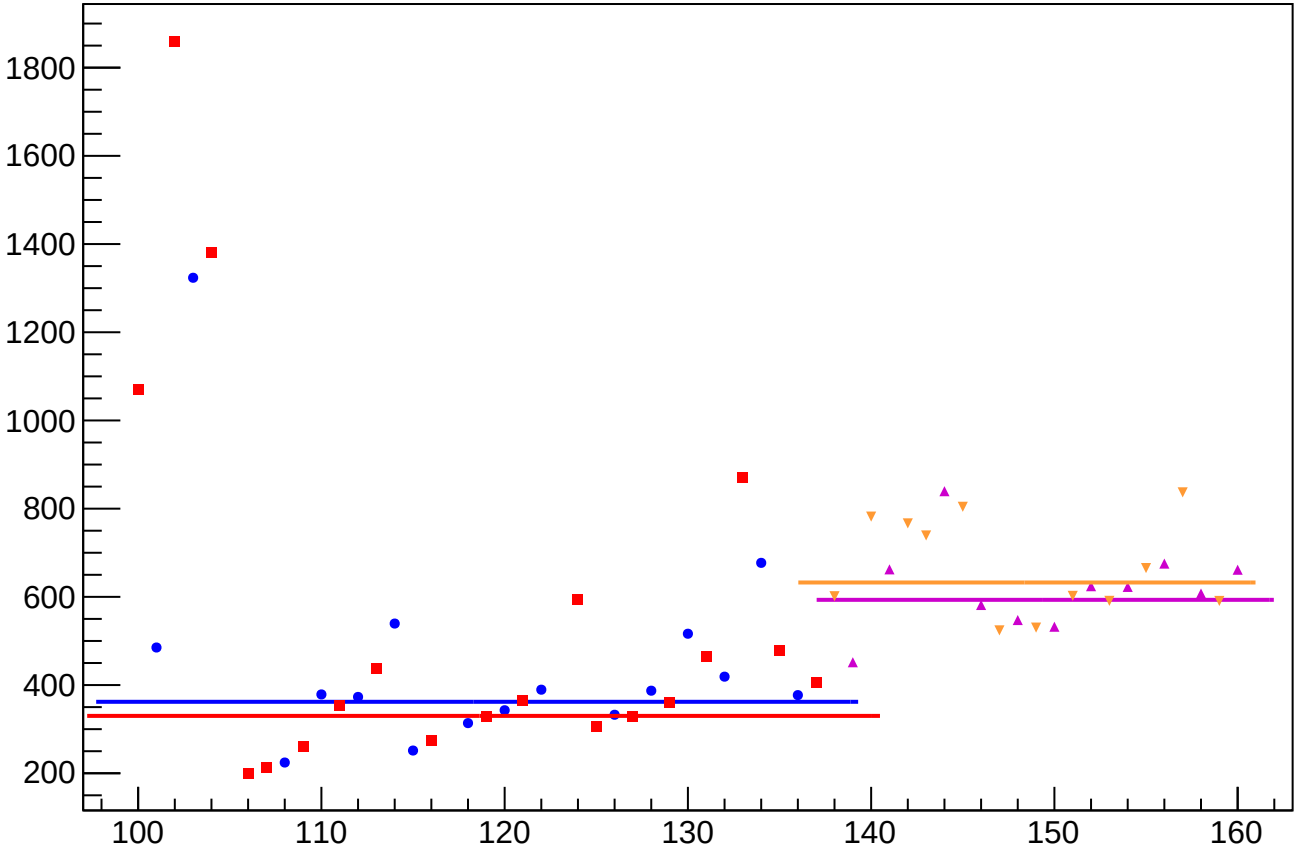
Left In: 0.004+/-0.196 χ^2/NDF:14.1/10

+ sign -0.038+/-0.119 χ^2/NDF: 25.7/27

All: -0.083+/-0.082 χ^2/NDF: 64.6/57

- 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: 632.578+/-0.148 χ^2/NDF:449867.3/11

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

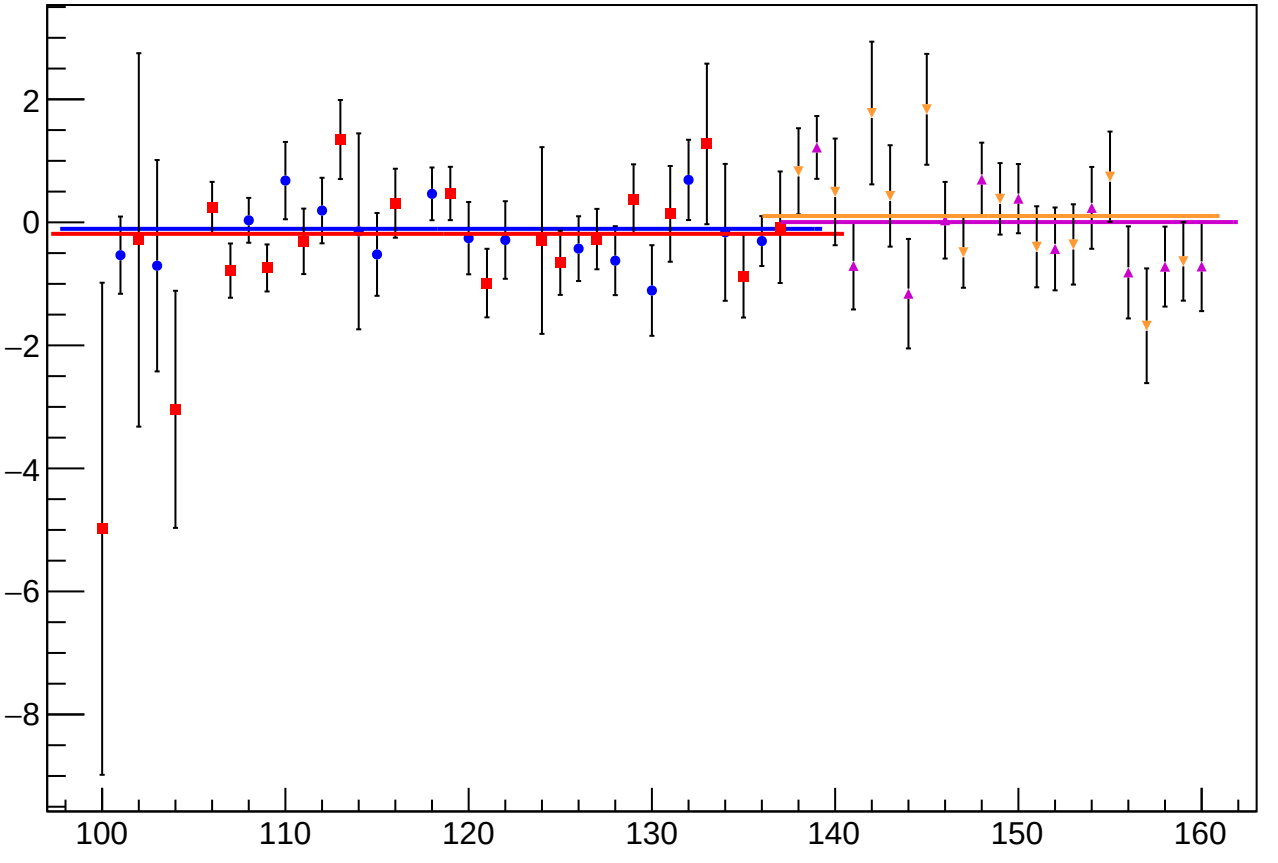
Left In: 593.252+/-0.138 χ^2/NDF:412695.9/10

+ sign 449.658+/-0.084 χ^2/NDF: 4091982.9/27

All: 432.413+/-0.058 χ^2/NDF: 9253700.8/57

- sign 417.006+/-0.080 χ^2/NDF: 5082148.3/29

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.103+/-0.209 χ^2/NDF:15.3/11

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

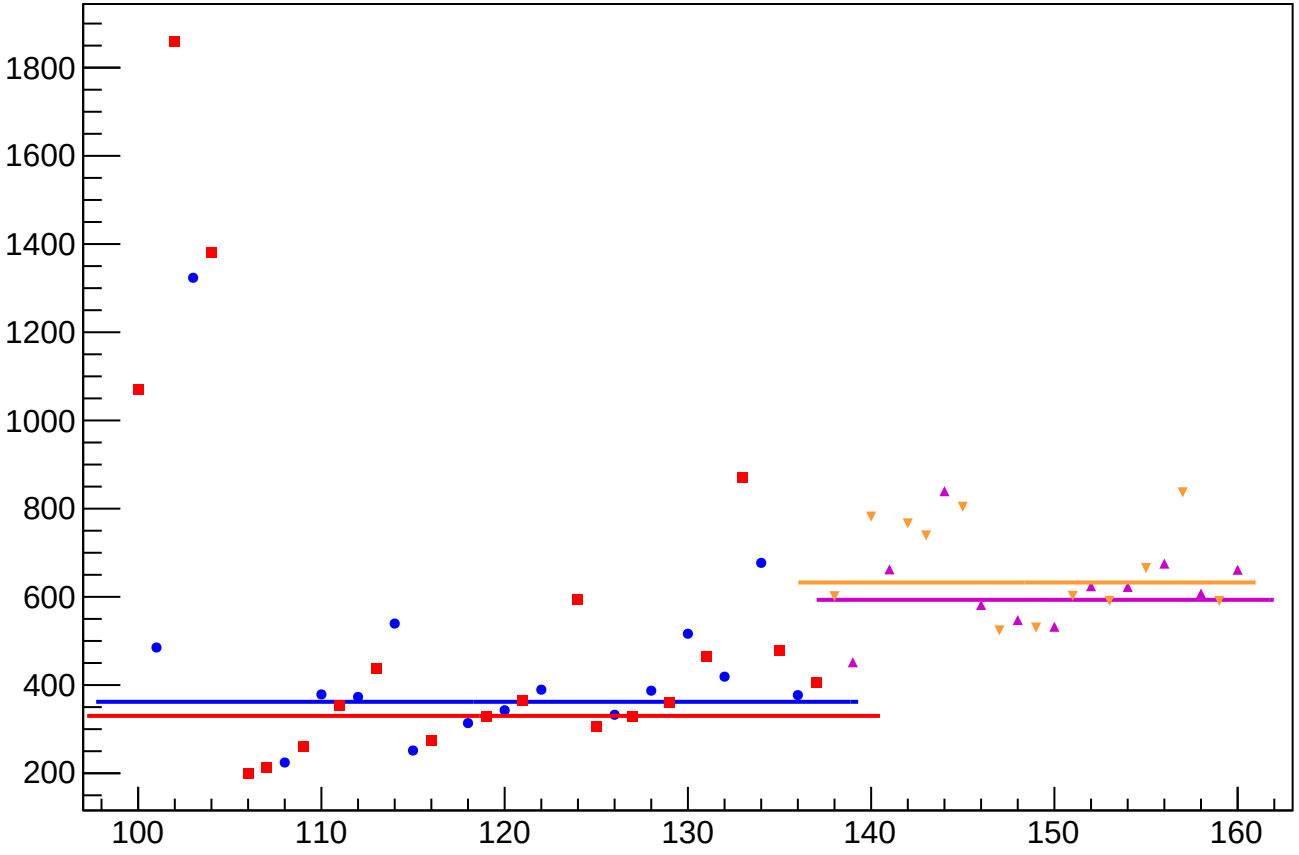
Left In: 0.004+/-0.196 χ^2/NDF:14.1/10

+ sign -0.038+/-0.119 χ^2/NDF: 25.7/27

All: -0.083+/-0.082 χ^2/NDF: 64.6/57

- 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: 632.578+/-0.148 χ^2/NDF:449867.3/11

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

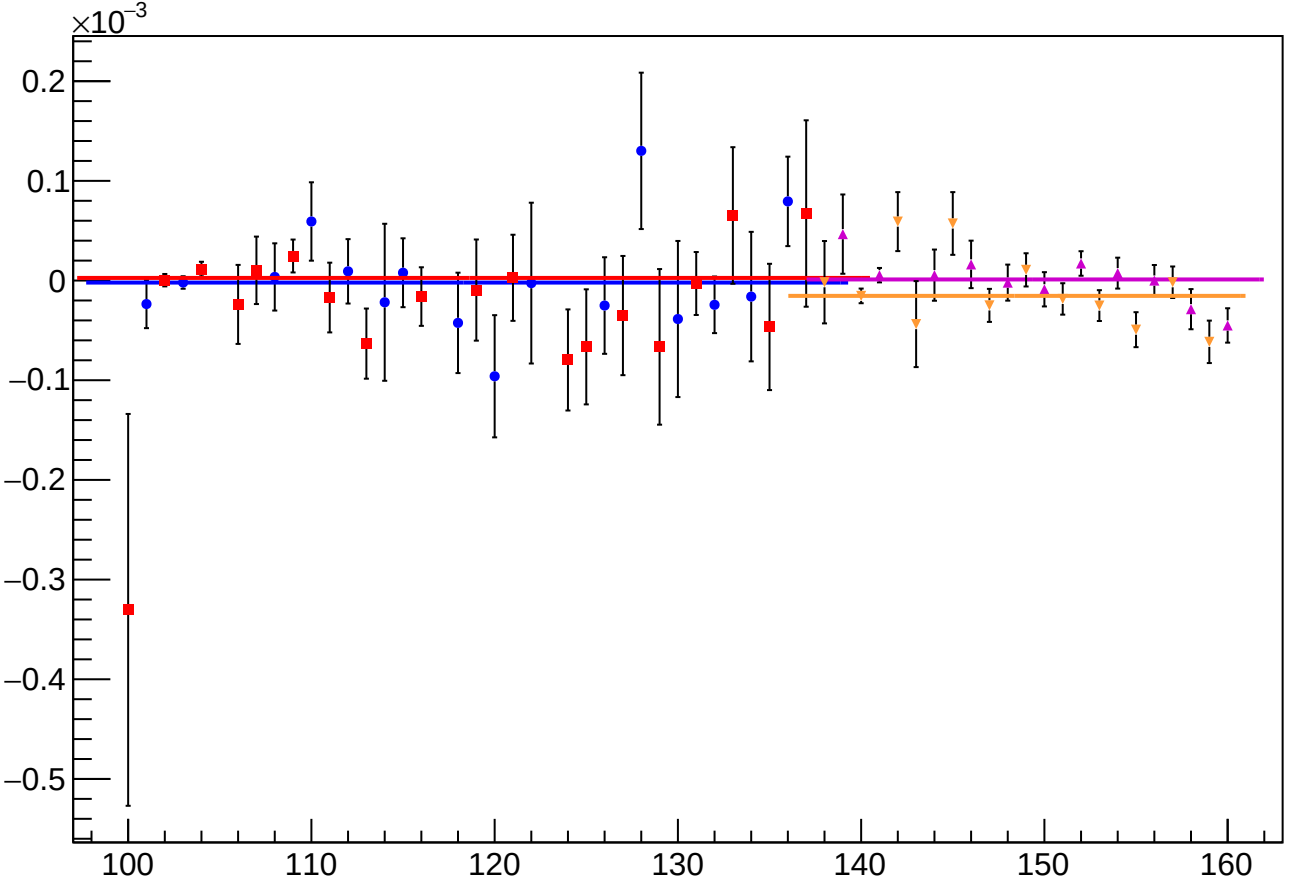
Left In: 593.252+/-0.138 χ^2/NDF:412695.9/10

+ sign 449.658+/-0.084 χ^2/NDF: 4091982.9/27

All: 432.413+/-0.058 χ^2/NDF: 9253700.8/57

- sign 417.006+/-0.080 χ^2/NDF: 5082148.3/29

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

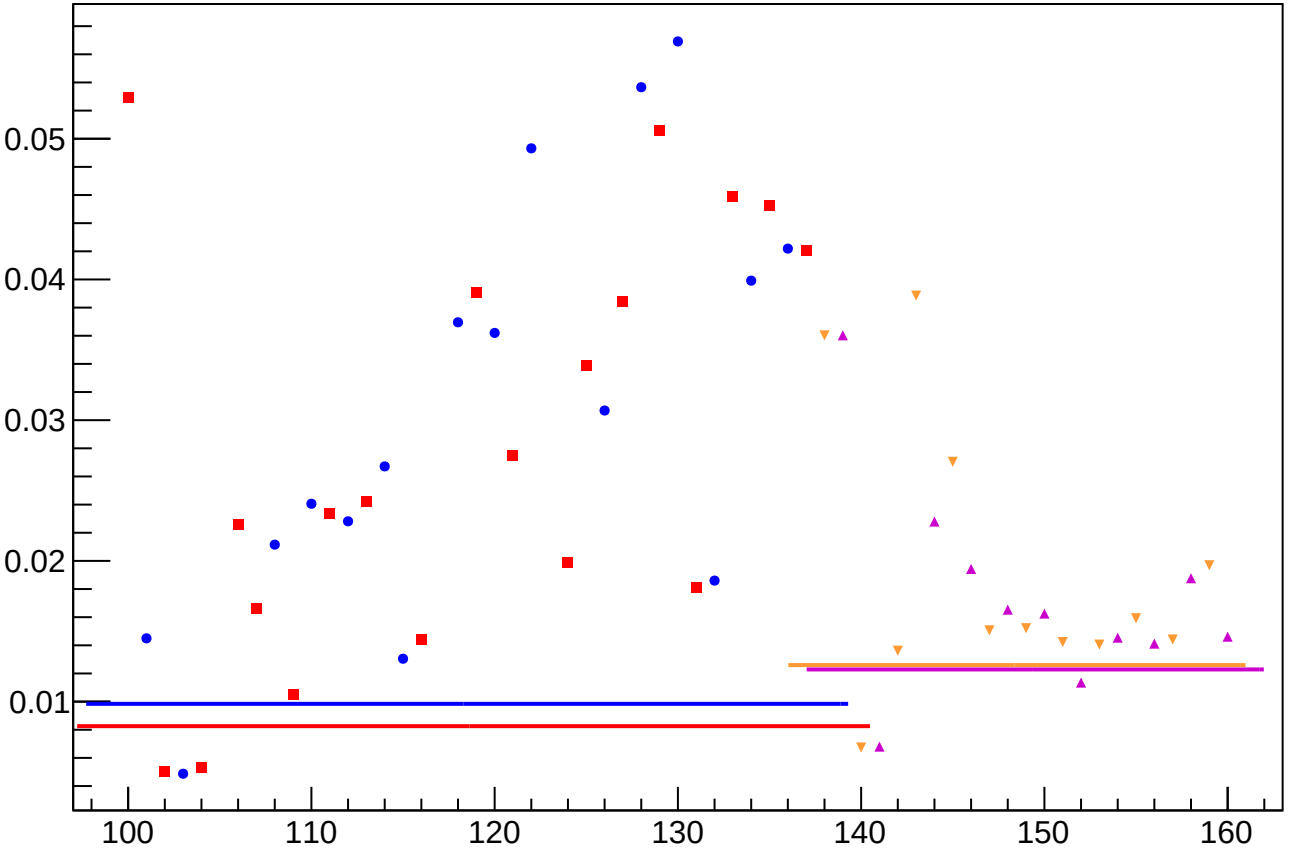
Left In: 0.000+/-0.000 χ^2/NDF:13.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 41.9/27

All: -0.000+/-0.000 χ^2/NDF: 80.1/57

- sign 0.000+/-0.000 χ^2/NDF: 32.0/29

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:3532058.9/11

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

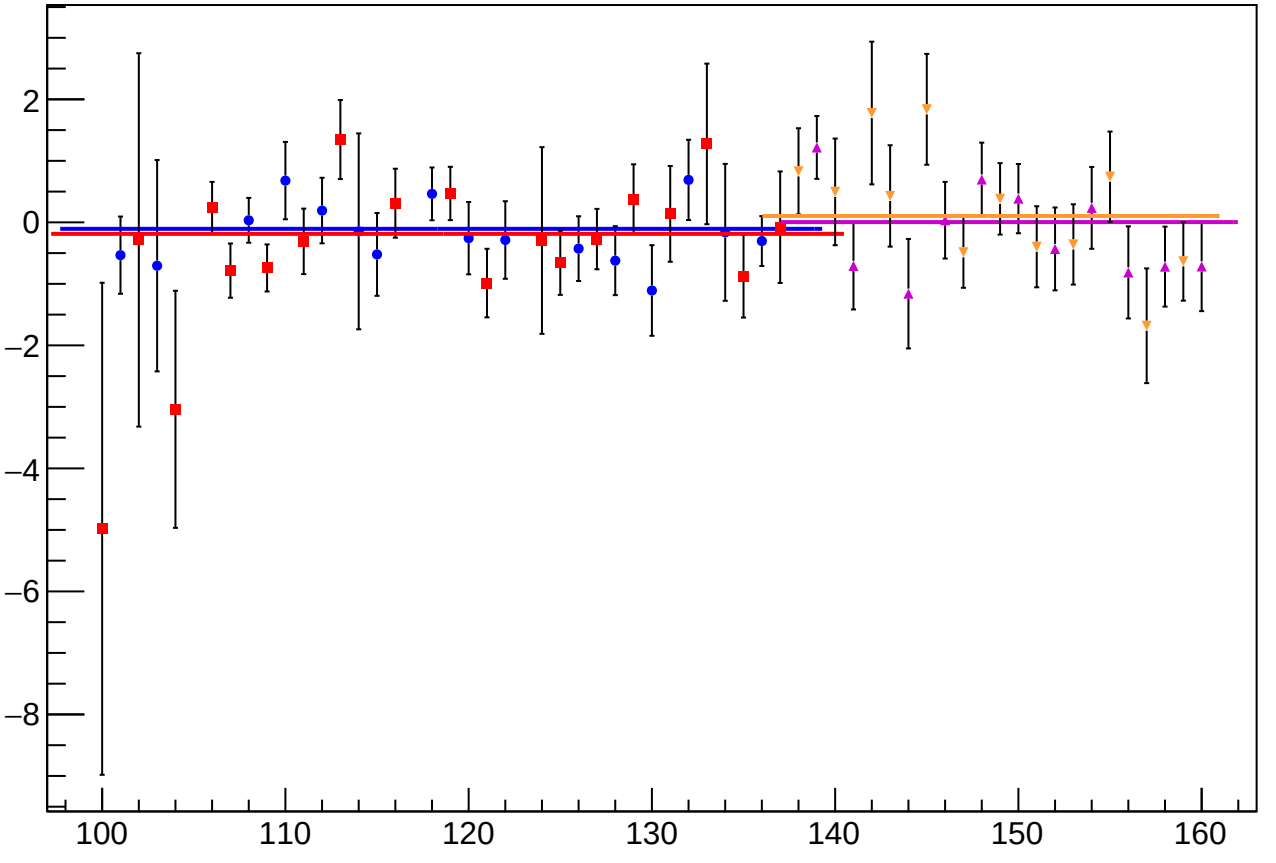
Left In: 0.012+/-0.000 χ^2/NDF:2917342.9/10

+ sign 0.011+/-0.000 χ^2/NDF: 10883936.1/27

All: 0.011+/-0.000 χ^2/NDF: 21550356.9/57

- sign 0.010+/-0.000 χ^2/NDF: 10517737.9/29

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.103+/-0.209 χ^2/NDF:15.3/11

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

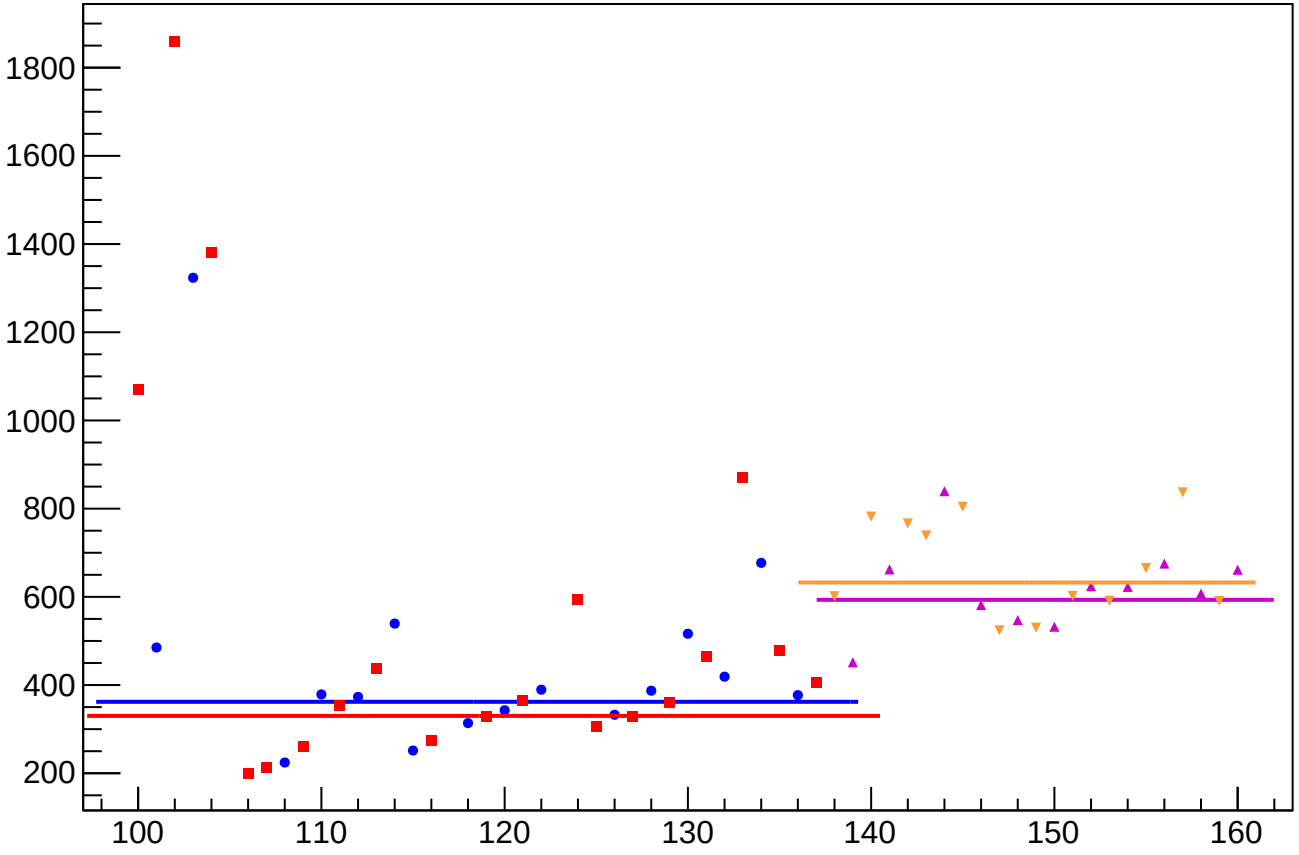
Left In: 0.004+/-0.196 χ^2/NDF:14.1/10

+ sign -0.038+/-0.119 χ^2/NDF: 25.7/27

All: -0.083+/-0.082 χ^2/NDF: 64.6/57

- 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: 632.587+/-0.148 χ^2/NDF:449847.4/11

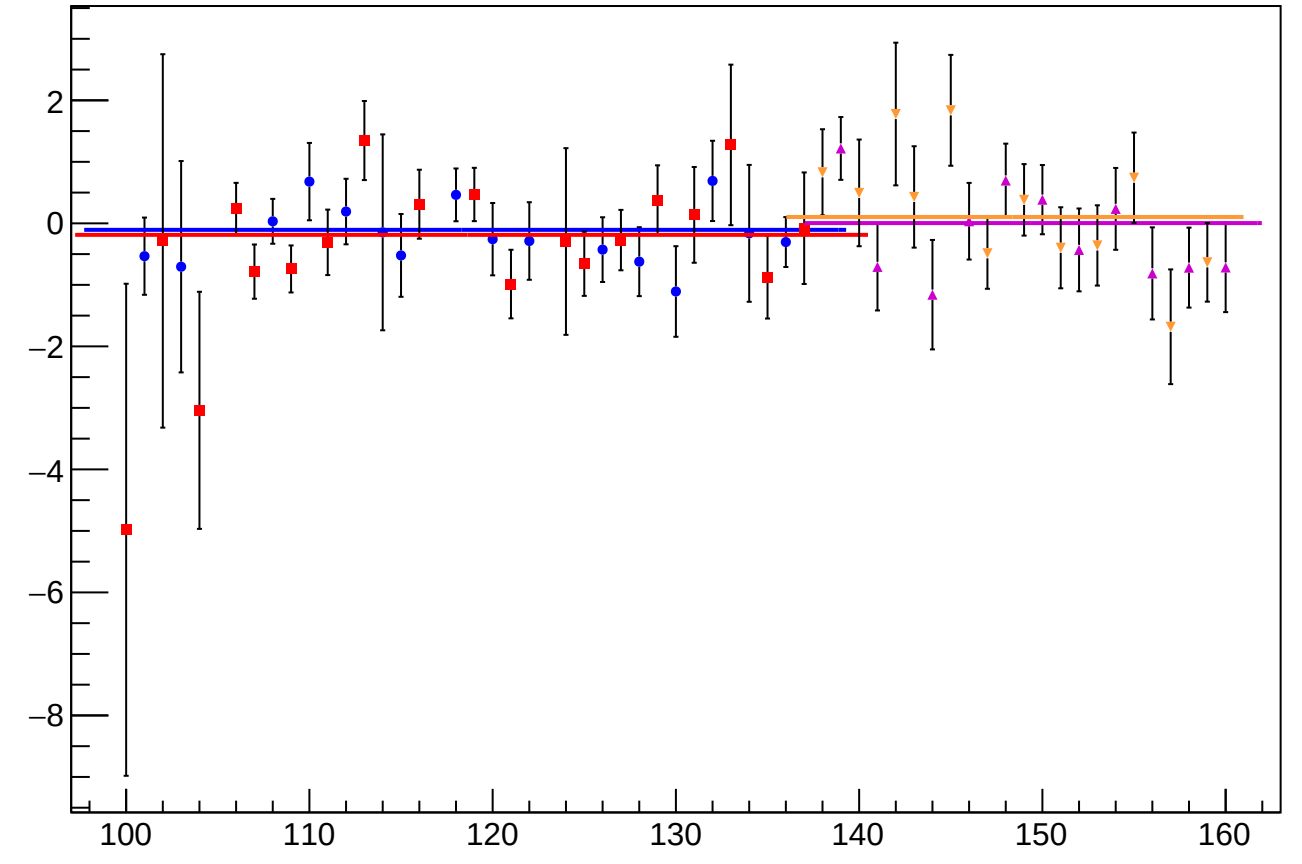
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 593.260+/-0.138 χ^2/NDF:412671.4/10

+ sign 449.657+/-0.084 χ^2/NDF: 4092121.6/27

All: 432.412+/-0.058 χ^2/NDF: 9253935.8/57

- 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: 0.103+/-0.209 χ^2/NDF:15.3/11

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

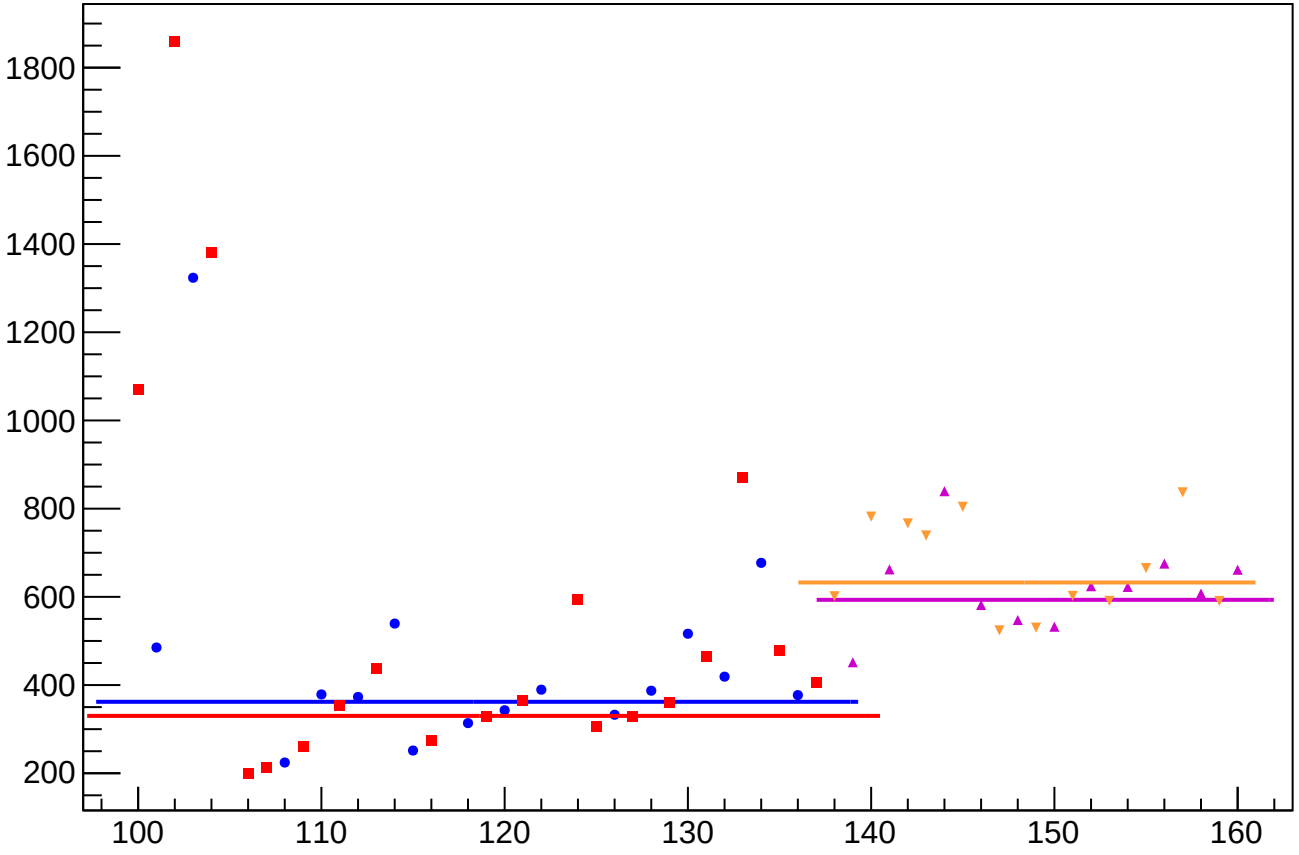
Left In: 0.004+/-0.196 χ^2/NDF:14.1/10

+ sign -0.038+/-0.119 χ^2/NDF: 25.7/27

All: -0.083+/-0.082 χ^2/NDF: 64.6/57

- 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: 632.587+/-0.148 χ^2/NDF:449847.4/11

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

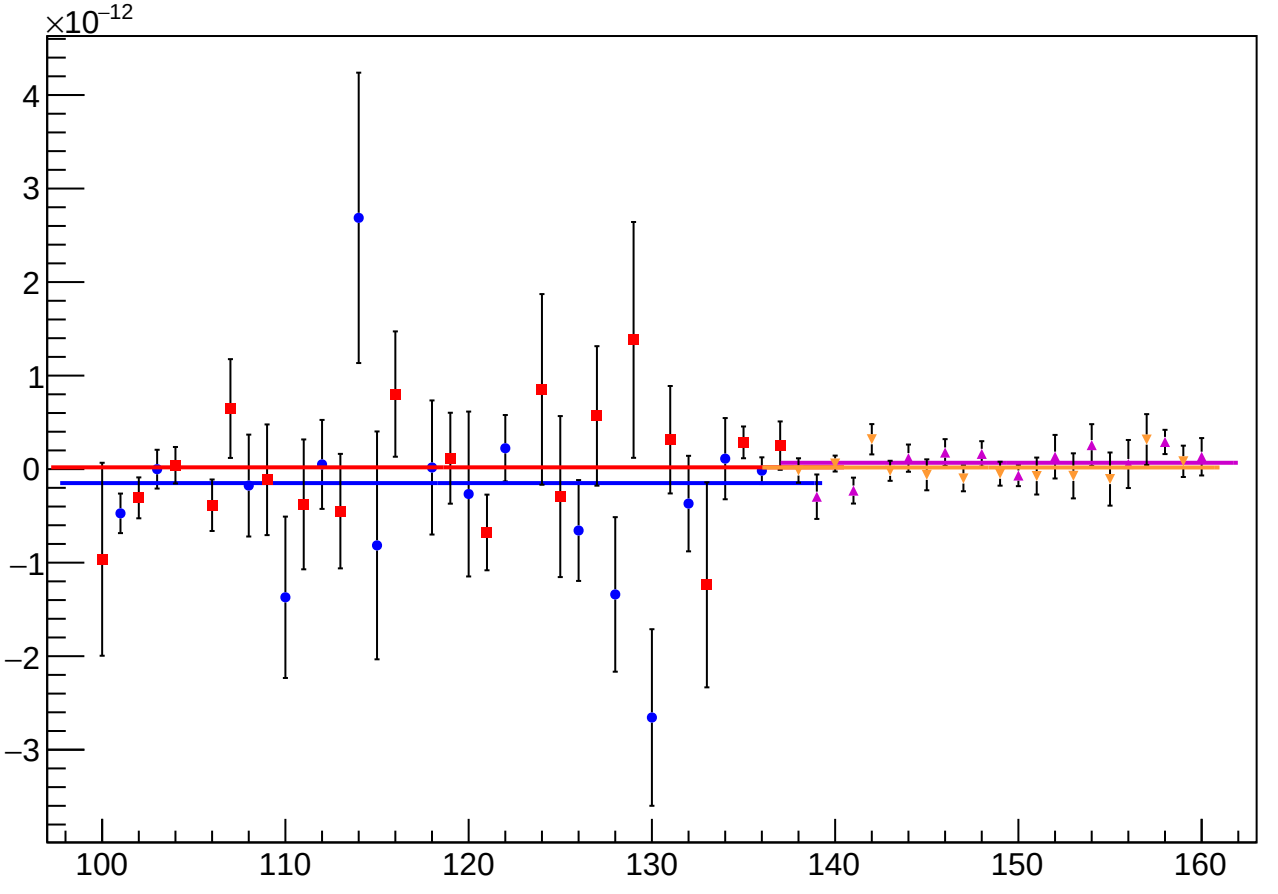
Left In: 593.260+/-0.138 χ^2/NDF:412671.4/10

+ sign 449.657+/-0.084 χ^2/NDF: 4092121.6/27

All: 432.412+/-0.058 χ^2/NDF: 9253935.8/57

- 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:7.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

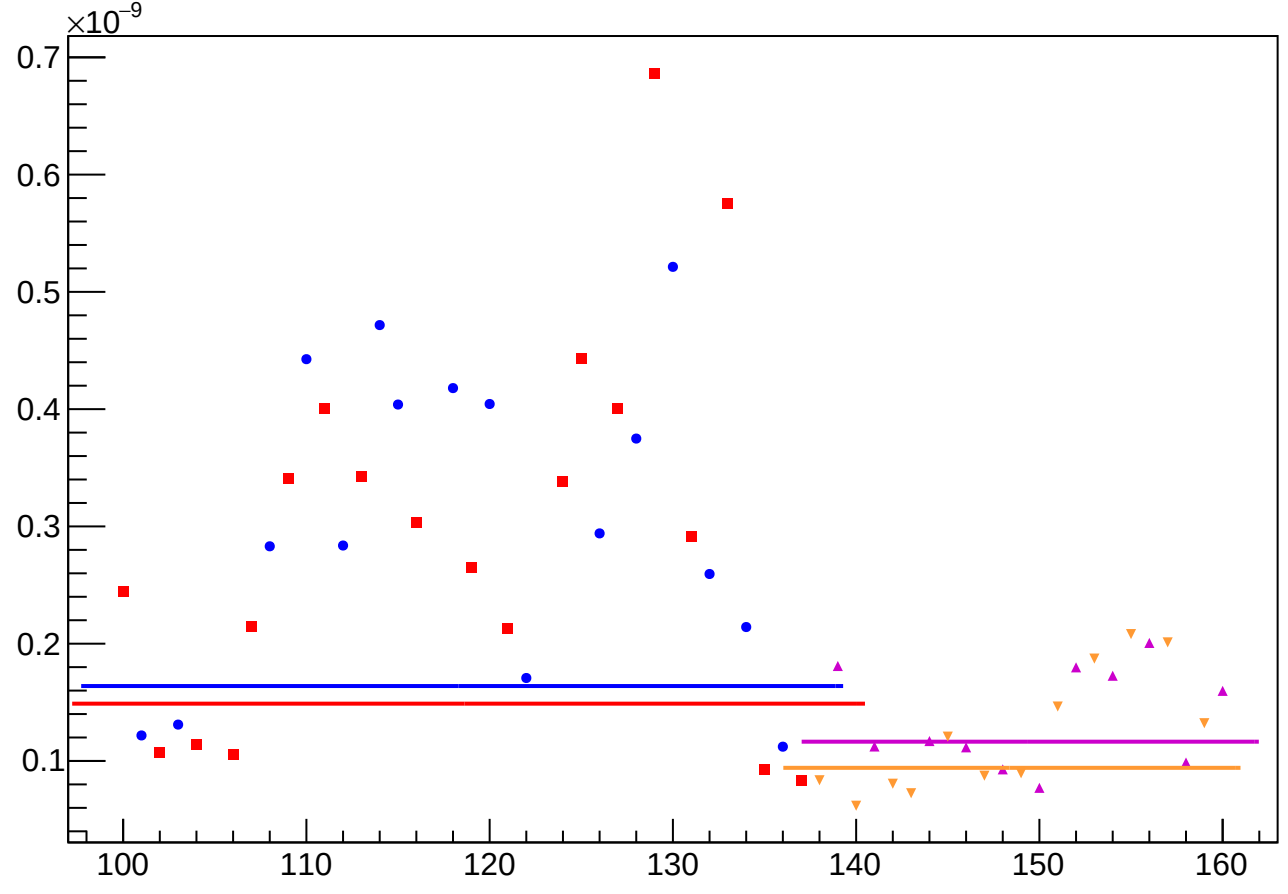
Left In: 0.000+/-0.000 χ^2/NDF:13.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/27

All: 0.000+/-0.000 χ^2/NDF: 65.9/57

- sign 0.000+/-0.000 χ^2/NDF: 33.1/29

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1629177.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

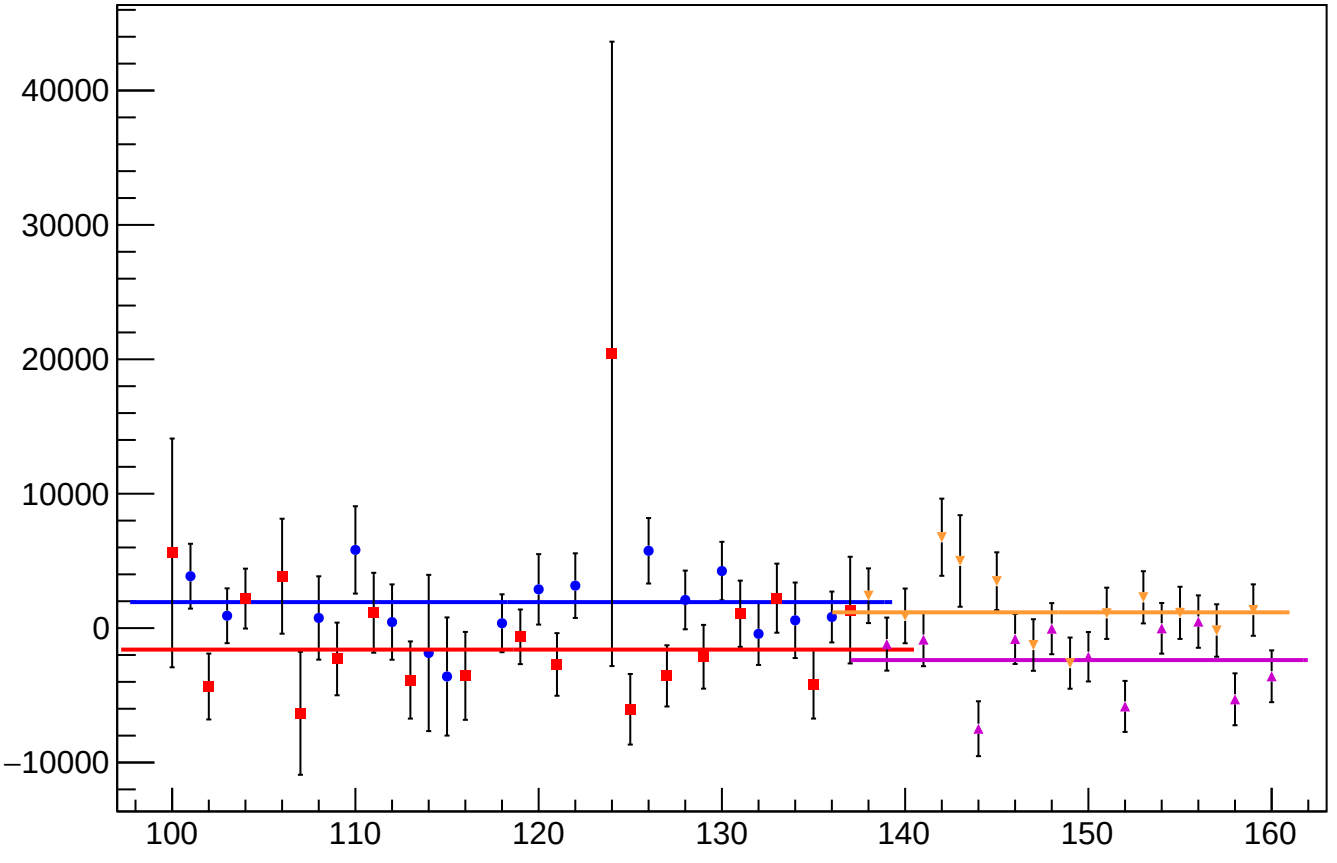
Left In: 0.000+/-0.000 χ^2/NDF:1071616.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 4680681.1/27

All: 0.000+/-0.000 χ^2/NDF: 9018208.9/57

- 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: 1173.722+/-598.103 χ^2/NDF:13.0/11

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

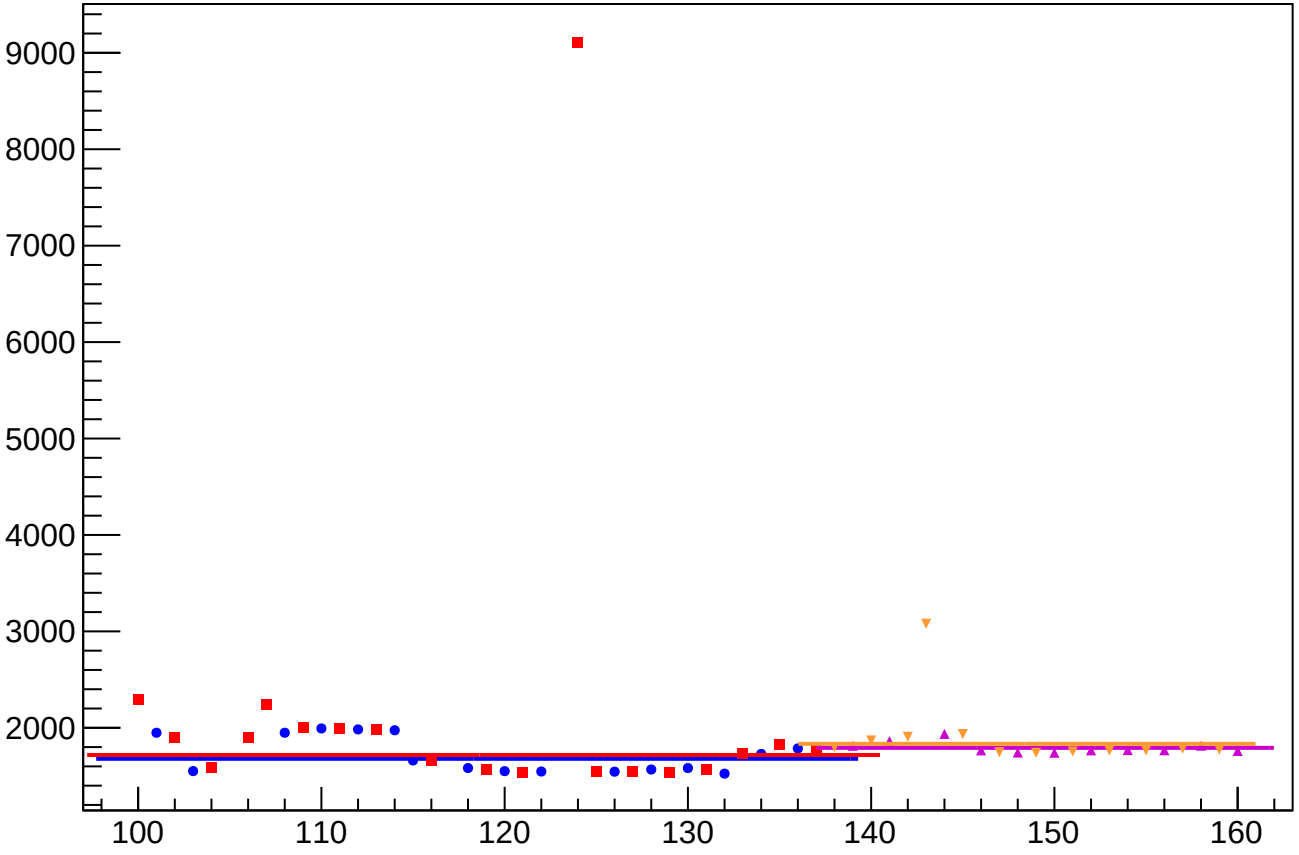
Left In: -2379.387+/-579.975 χ^2/NDF:19.2/10

+ sign 1535.769+/-433.065 χ^2/NDF: 24.6/27

All: -257.177+/-305.287 χ^2/NDF: 98.1/57

- 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: 1833.819+/-0.423 χ^2/NDF:294657.2/11

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

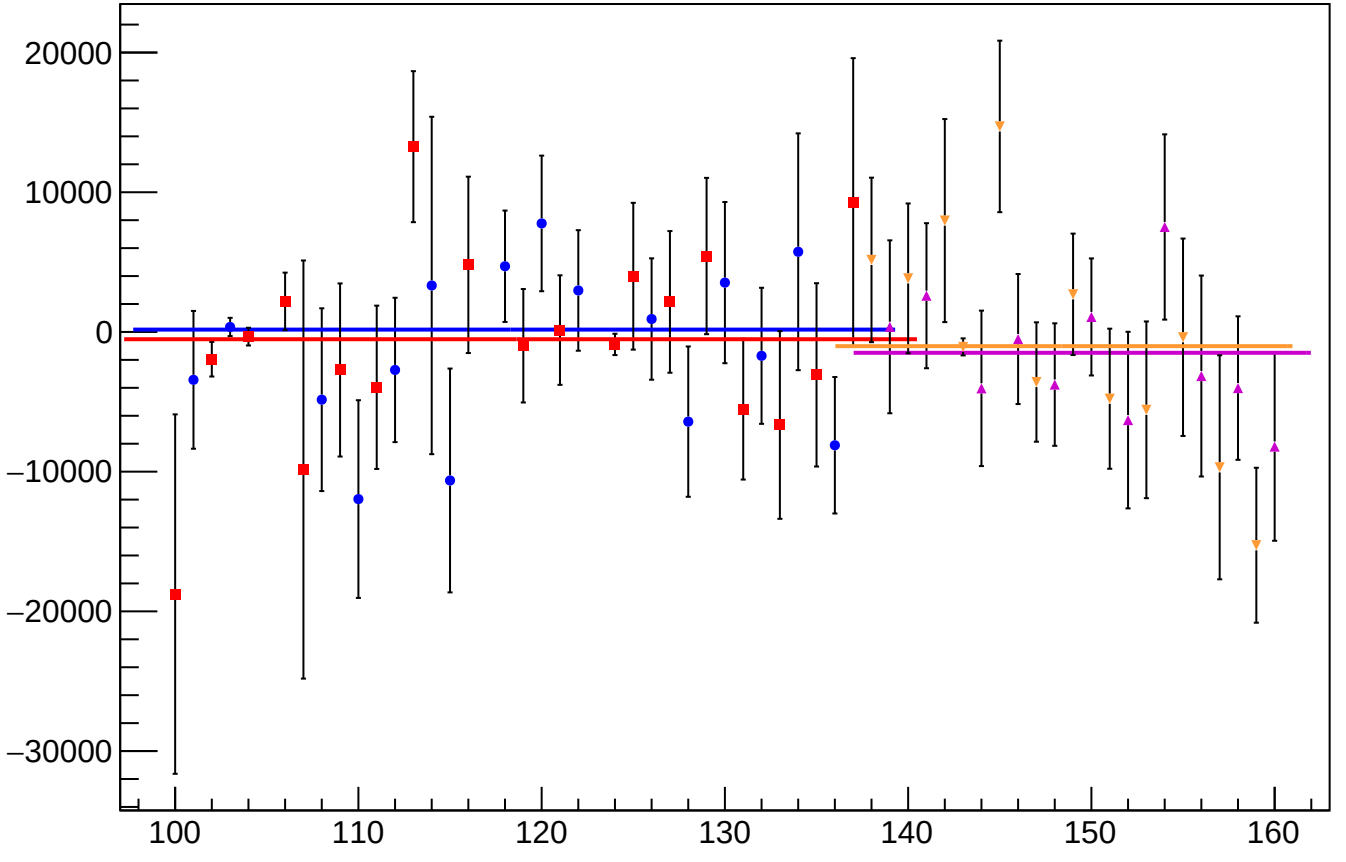
Left In: 1792.175+/-0.410 χ^2/NDF:17796.1/10

+ sign 1759.949+/-0.306 χ^2/NDF: 500267.9/27

All: 1759.381+/-0.216 χ^2/NDF: 915897.9/57

- sign 1758.822+/-0.304 χ^2/NDF: 415623.2/29

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -1016.933+/-574.131 χ^2/NDF:20.0/11

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

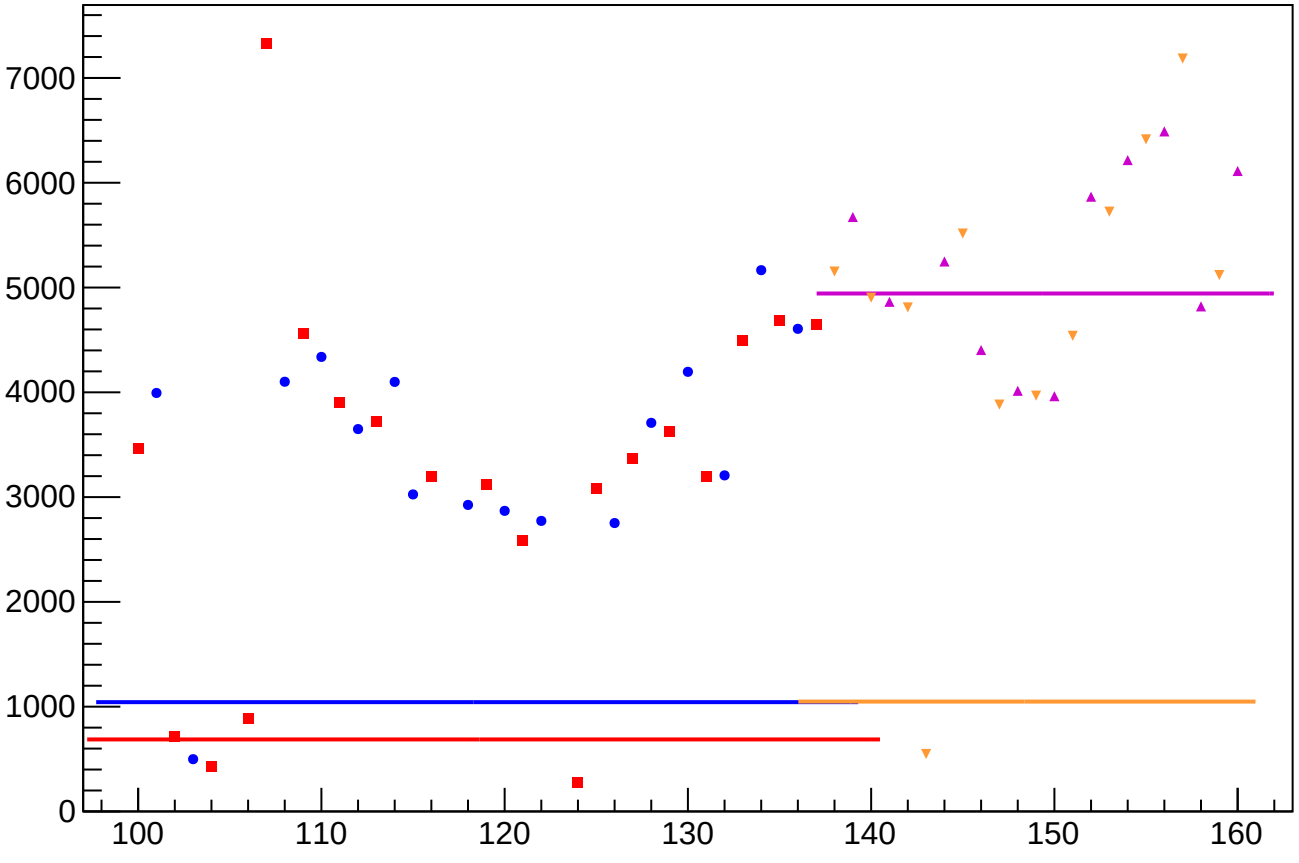
Left In: -1492.493+/-1627.053 χ^2/NDF:5.3/10

+ sign -442.089+/-412.012 χ^2/NDF: 37.9/27

All: -512.750+/-290.980 χ^2/NDF: 62.1/57

- 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: 1048.632+/-0.406 χ^2/NDF:12193645.1/11

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

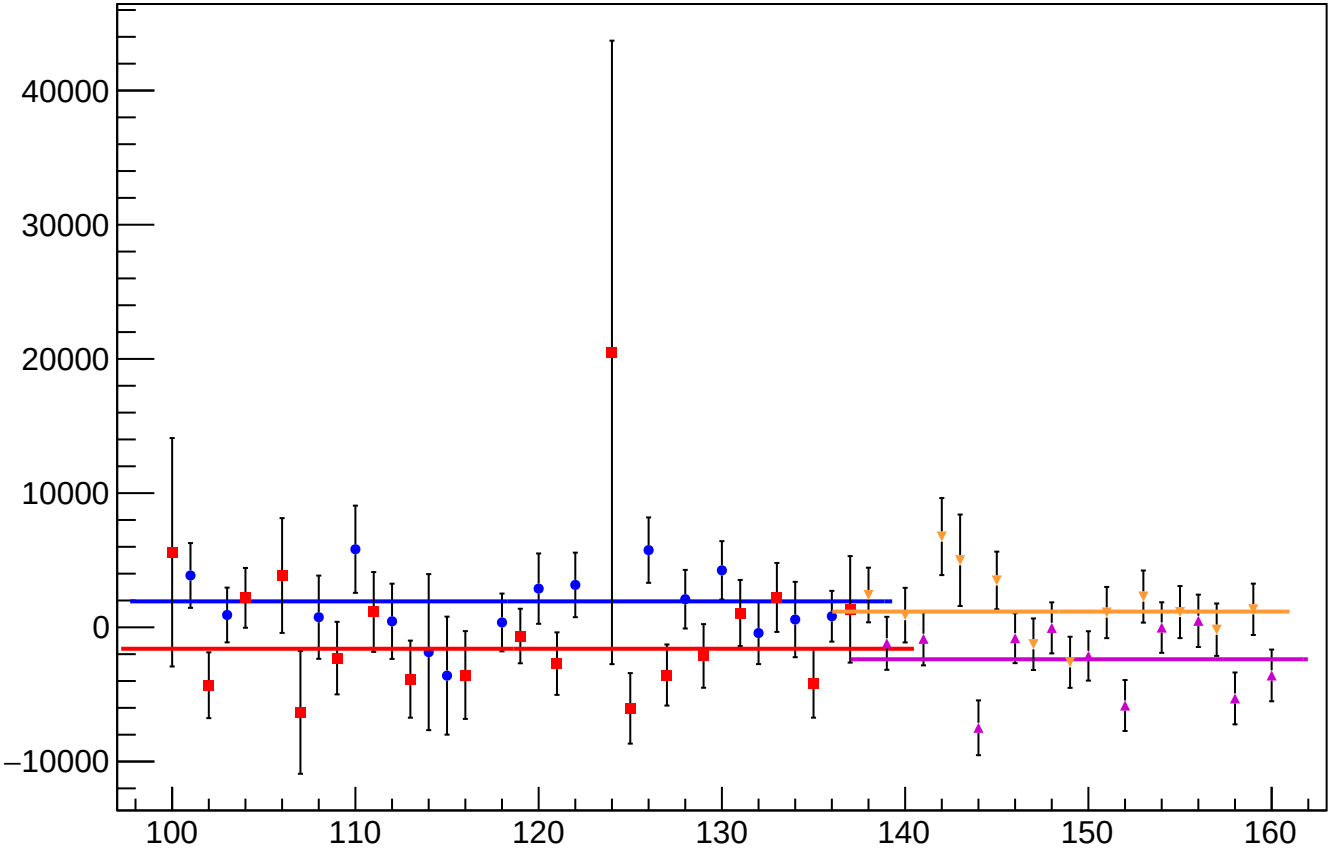
Left In: 4943.156+/-1.151 χ^2/NDF:530717.2/10

+ sign 1045.957+/-0.291 χ^2/NDF: 20305632.1/27

All: 1002.321+/-0.206 χ^2/NDF: 42322899.0/5

- 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: 1173.721+/-598.103 χ^2/NDF:13.0/11

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

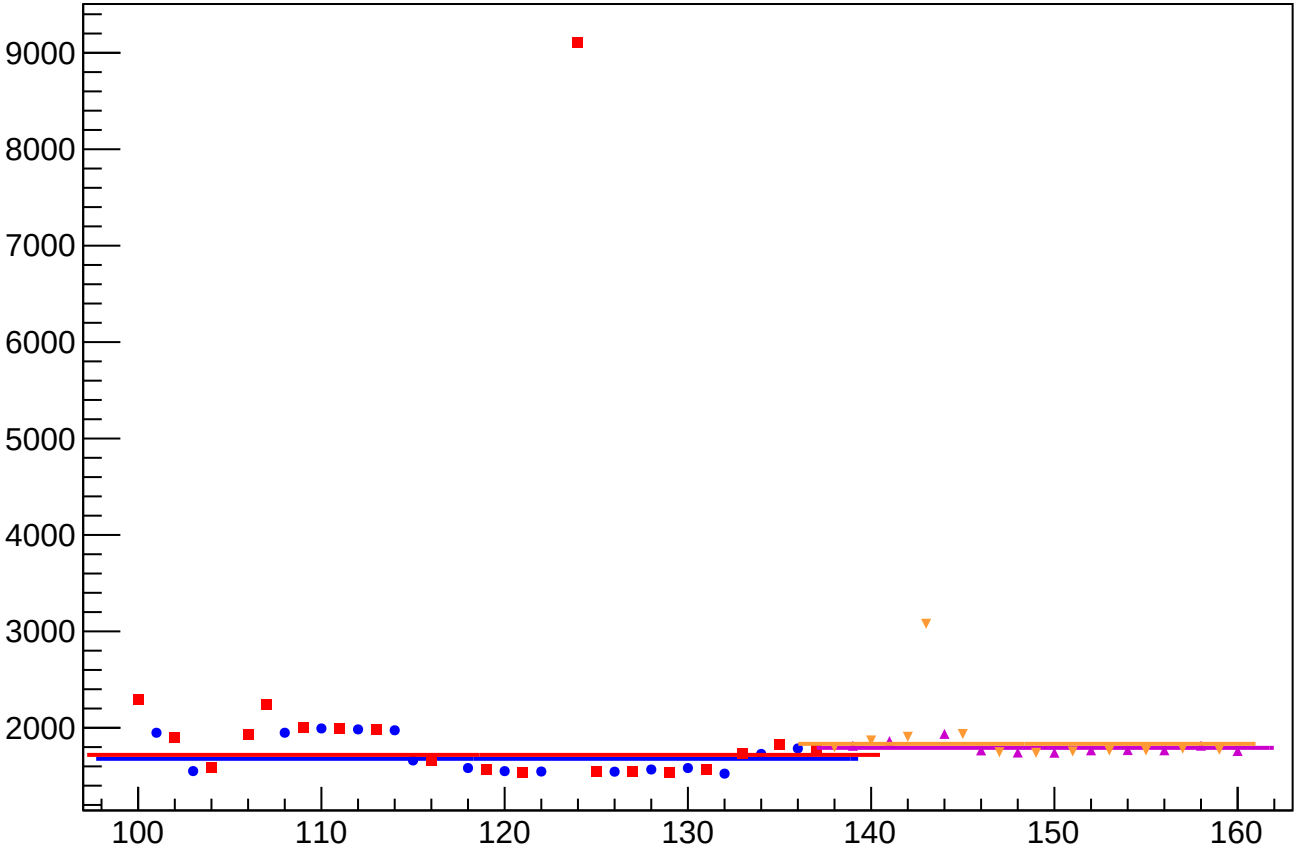
Left In: -2379.521+/-579.975 χ^2/NDF:19.2/10

+ sign 1535.823+/-433.065 χ^2/NDF: 24.6/27

All: -256.631+/-305.287 χ^2/NDF: 98.0/57

- 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: 1833.819+/-0.423 χ^2/NDF:294657.2/11

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

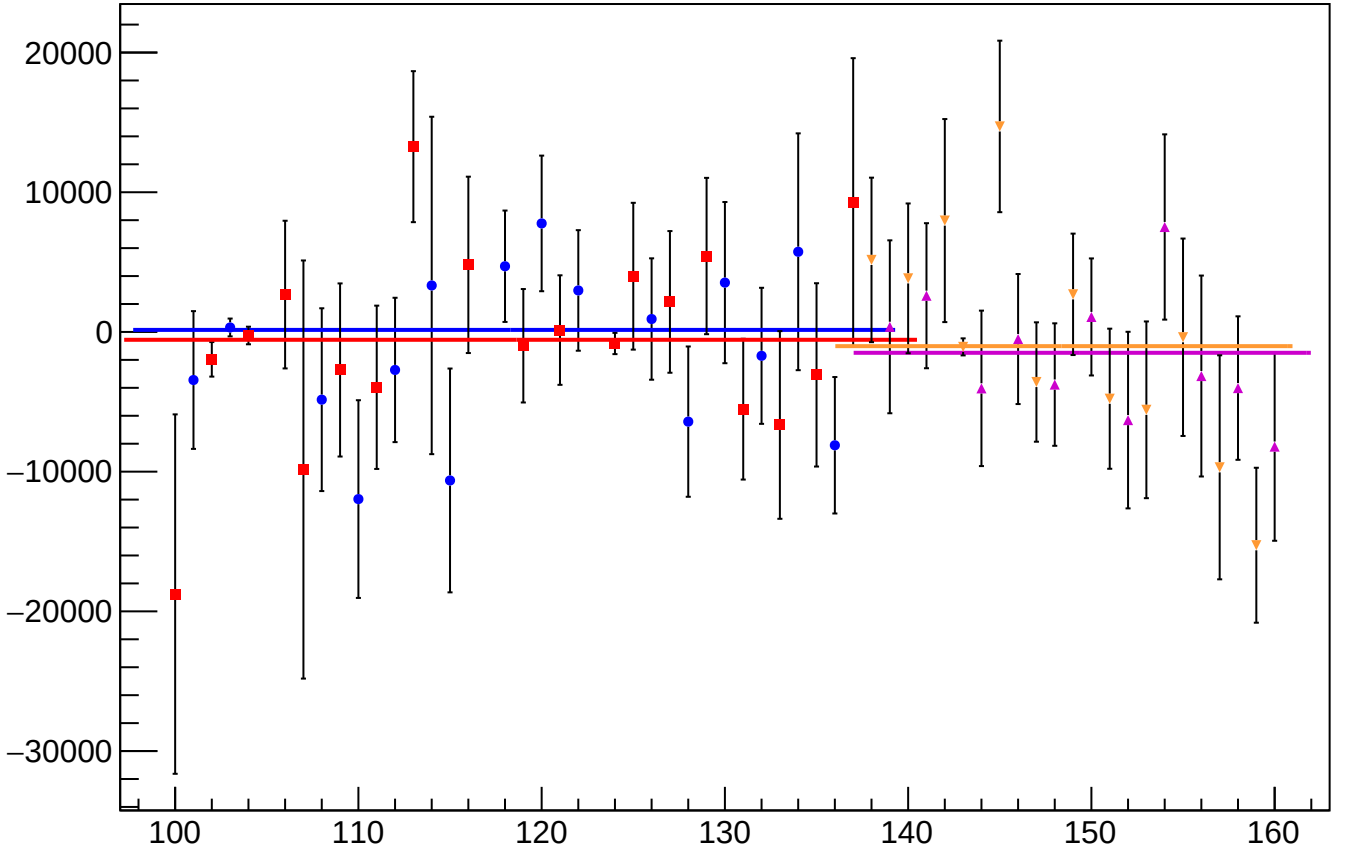
Left In: 1792.175+/-0.410 χ^2/NDF:17796.1/10

+ sign 1759.949+/-0.306 χ^2/NDF: 500268.1/27

All: 1759.580+/-0.216 χ^2/NDF: 917300.5/57

- 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: -1016.582+/-574.110 χ^2/NDF:20.0/11

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

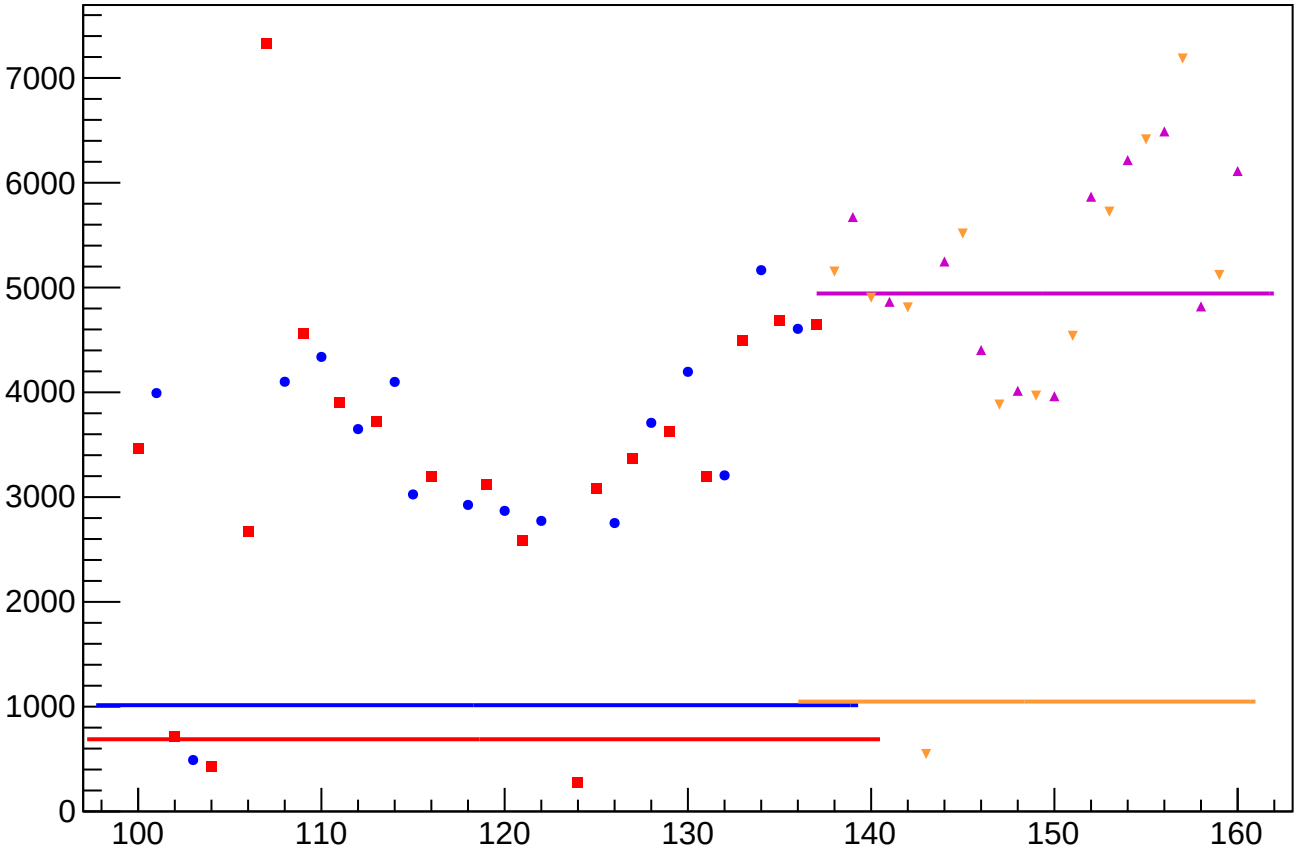
Left In: -1492.631+/-1627.052 χ^2/NDF:5.3/10

+ sign -440.307+/-407.799 χ^2/NDF: 37.8/27

All: -529.483+/-291.313 χ^2/NDF: 60.7/57

- sign -622.411+/-416.288 χ^2/NDF: 22.8/29

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1048.576+/-0.406 χ^2/NDF:12193882.4/11

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

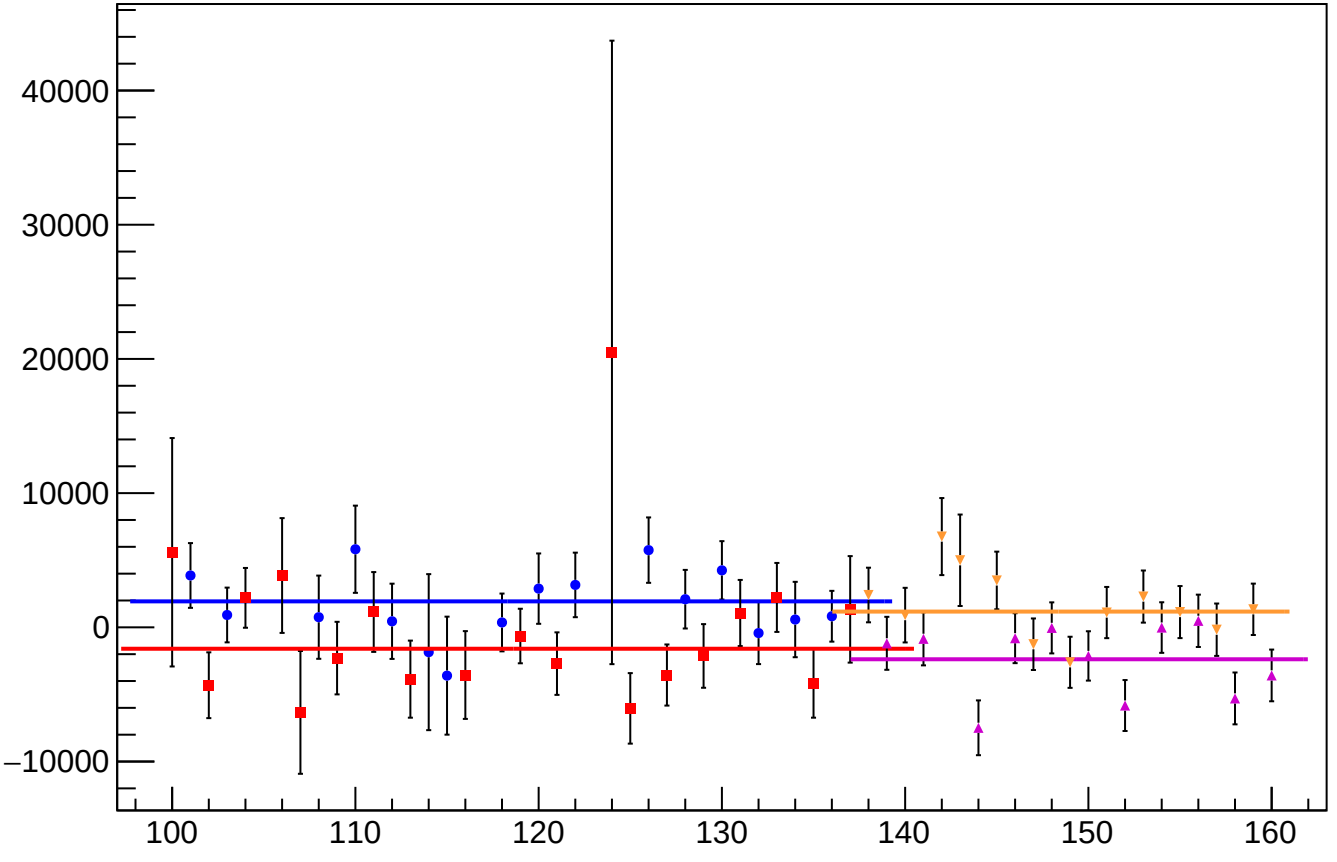
Left In: 4943.151+/-1.150 χ^2/NDF:530733.4/10

+ sign 1031.492+/-0.288 χ^2/NDF: 20420474.5/27

All: 1000.172+/-0.206 χ^2/NDF: 42662958.8/5

- 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: 1173.721+/-598.103 χ^2/NDF:13.0/11

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

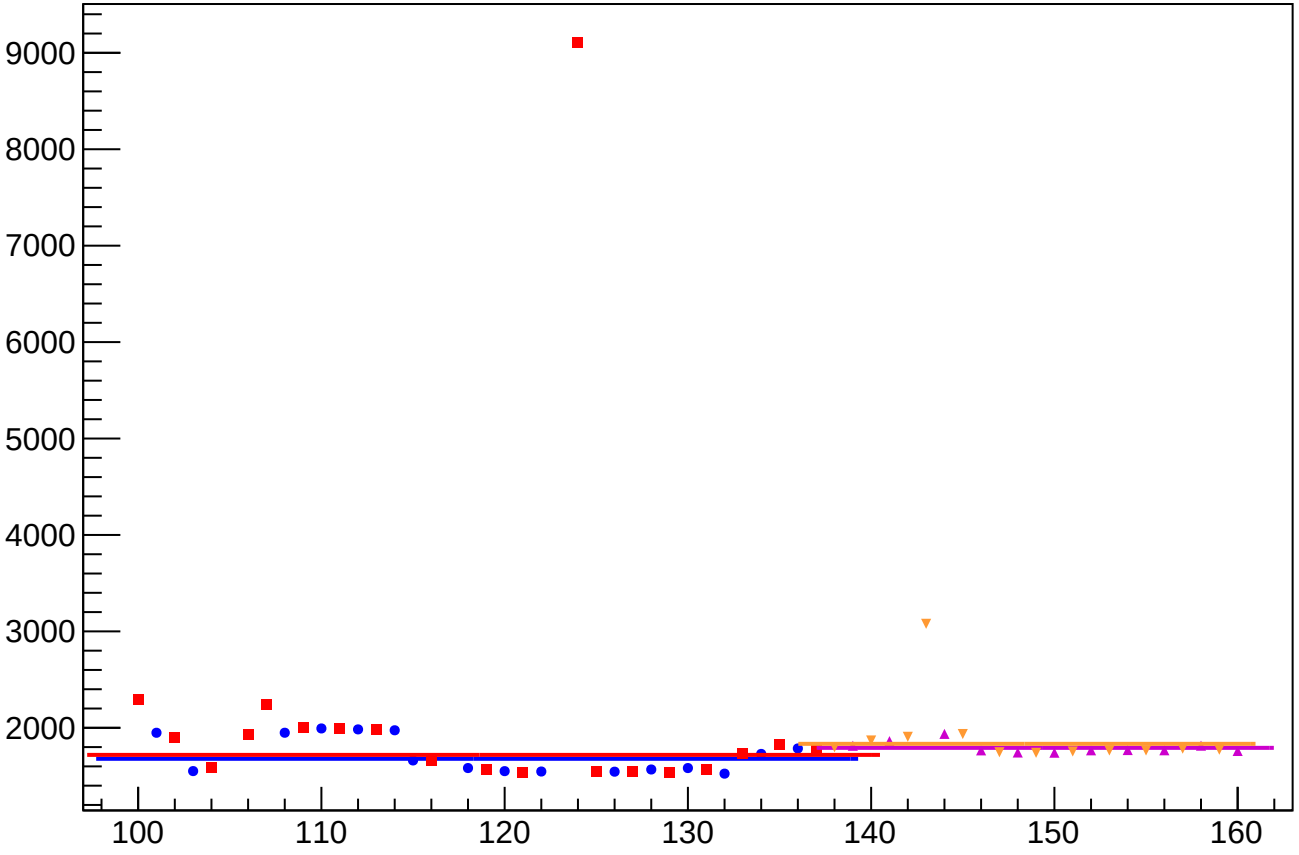
Left In: -2379.521+/-579.975 χ^2/NDF:19.2/10

+ sign 1535.823+/-433.065 χ^2/NDF: 24.6/27

All: -256.631+/-305.287 χ^2/NDF: 98.0/57

- 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: 1833.819+/-0.423 χ^2/NDF:294657.2/11

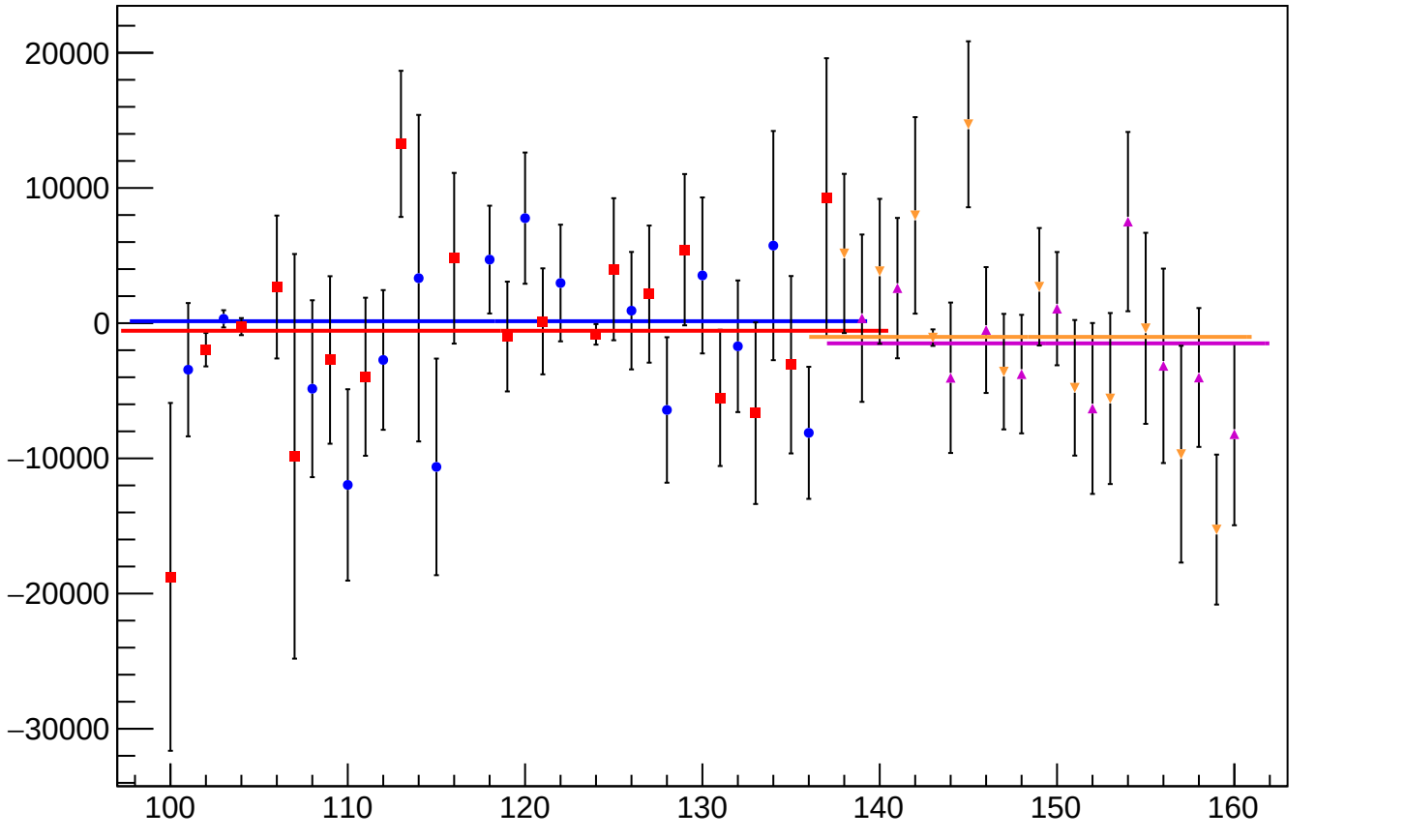
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1792.175+/-0.410 χ^2/NDF:17796.1/10

+ sign 1759.949+/-0.306 χ^2/NDF: 500268.1/27

All: 1759.580+/-0.216 χ^2/NDF: 917300.5/57

- 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: -1016.582+/-574.110 χ^2/NDF:20.0/11

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

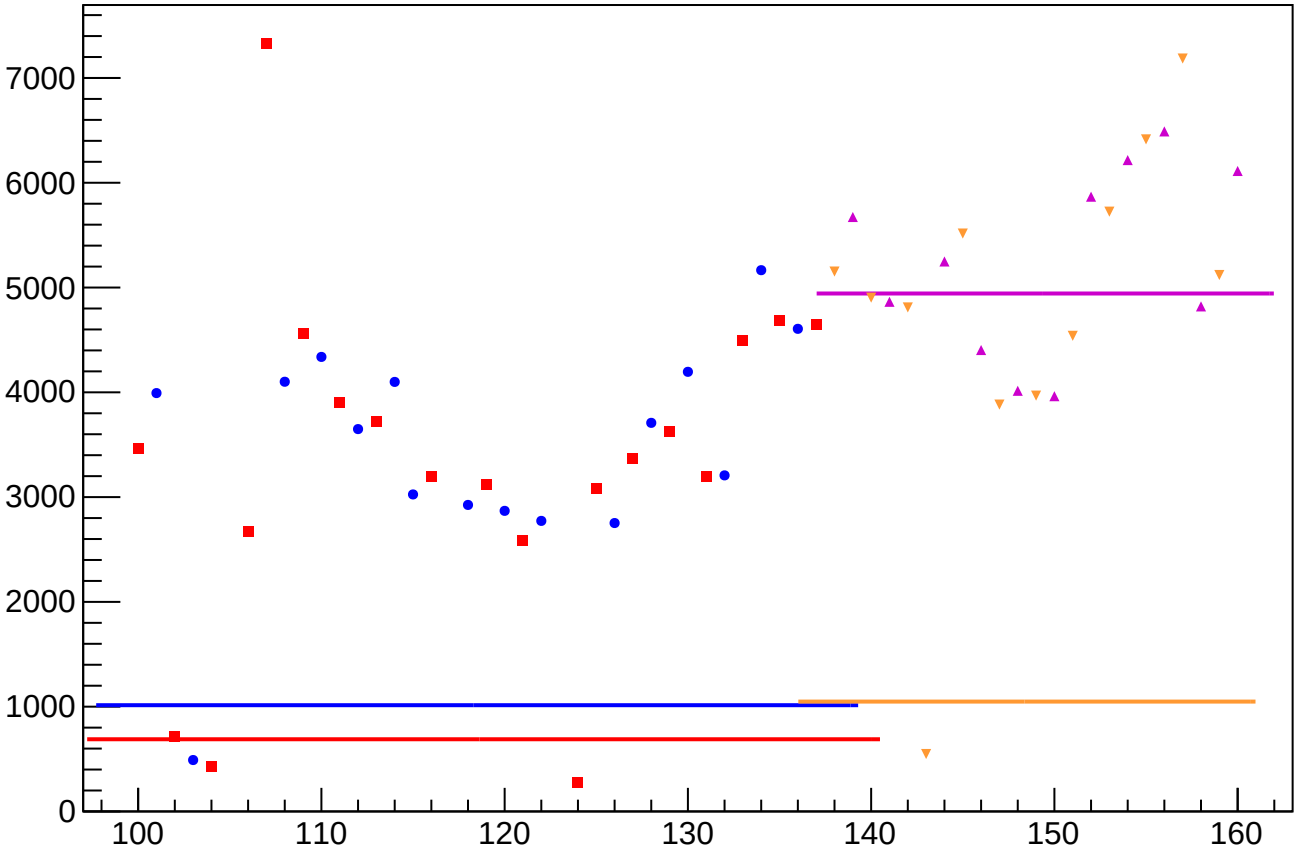
Left In: -1492.631+/-1627.052 χ^2/NDF:5.3/10

+ sign -440.307+/-407.799 χ^2/NDF: 37.8/27

All: -529.483+/-291.313 χ^2/NDF: 60.7/57

- sign -622.411+/-416.288 χ^2/NDF: 22.8/29

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1048.576+/-0.406 χ^2/NDF:12193882.4/11

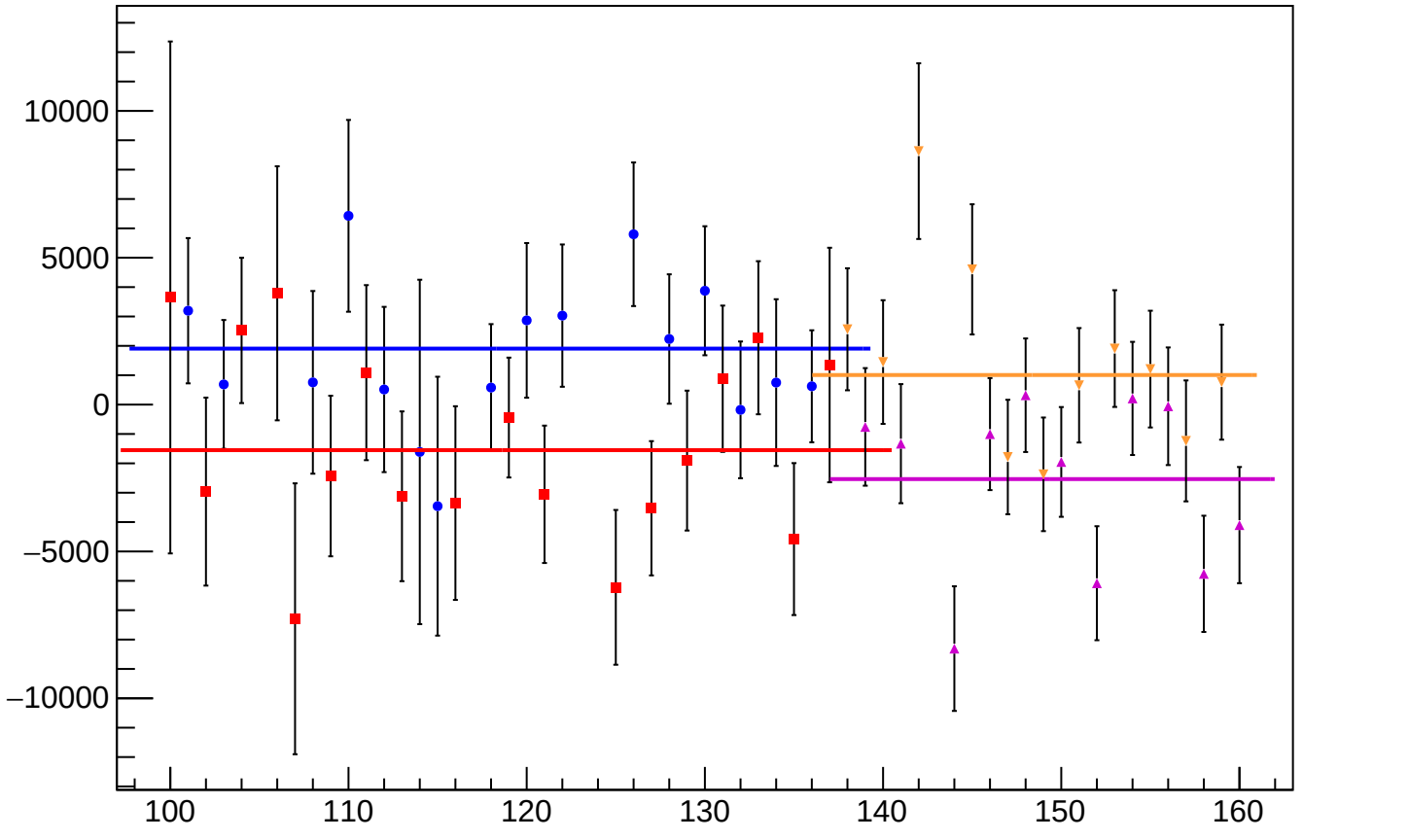
Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4943.151+/-1.150 χ^2/NDF:530733.4/10

+ sign 1031.492+/-0.288 χ^2/NDF: 20420474.5/27

All: 1000.172+/-0.206 χ^2/NDF: 42662958.8/5

- 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: 1007.289+/-623.793 χ^2/NDF:16.3/10

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

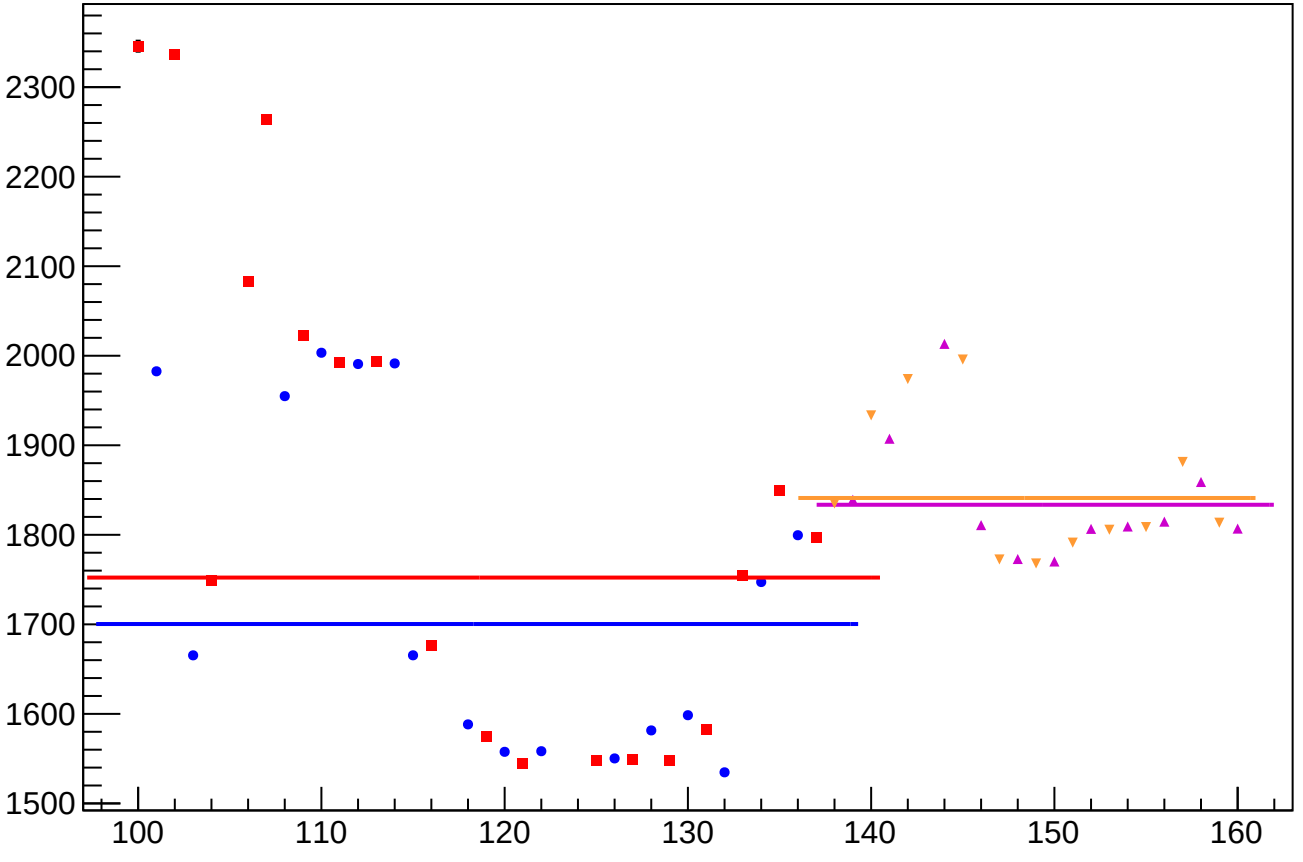
Left In: -2535.949+/-593.481 χ^2/NDF:21.7/10

+ sign 1447.732+/-445.490 χ^2/NDF: 27.5/26

All: -339.786+/-313.631 χ^2/NDF: 99.8/55

- 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: 1841.137+/-0.441 χ^2/NDF:26529.8/10

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

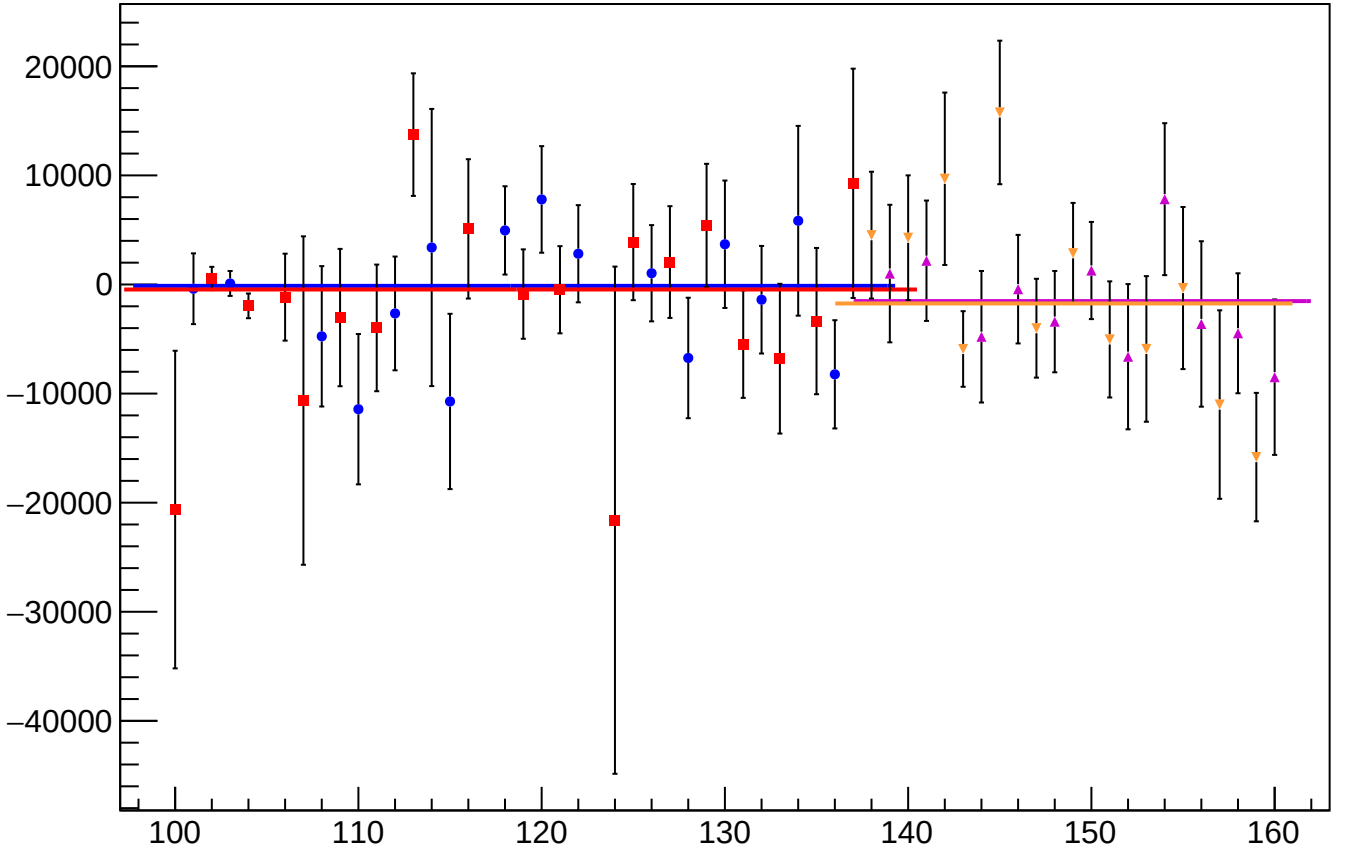
Left In: 1833.555+/-0.420 χ^2/NDF:23127.2/10

+ sign 1772.159+/-0.315 χ^2/NDF: 211860.4/26

All: 1784.788+/-0.222 χ^2/NDF: 502923.2/55

- 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: -1739.758+/-1588.305 χ^2/NDF:21.8/11

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

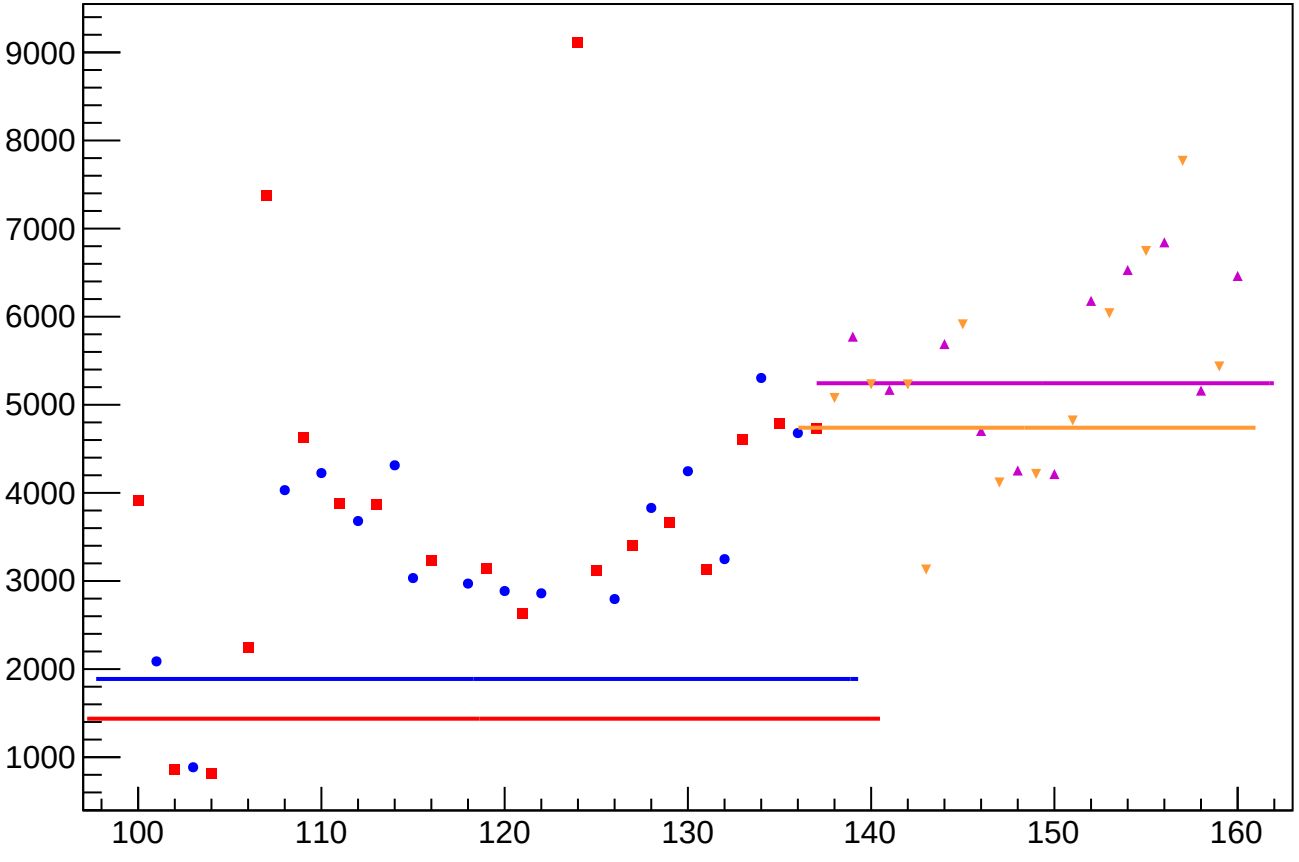
Left In: -1523.969+/-1725.073 χ^2/NDF:5.2/10

+ sign -496.478+/-761.440 χ^2/NDF: 37.7/27

All: -559.133+/-486.286 χ^2/NDF: 61.8/57

- 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: 4739.629+/-1.123 χ^2/NDF:1084254.2/11

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

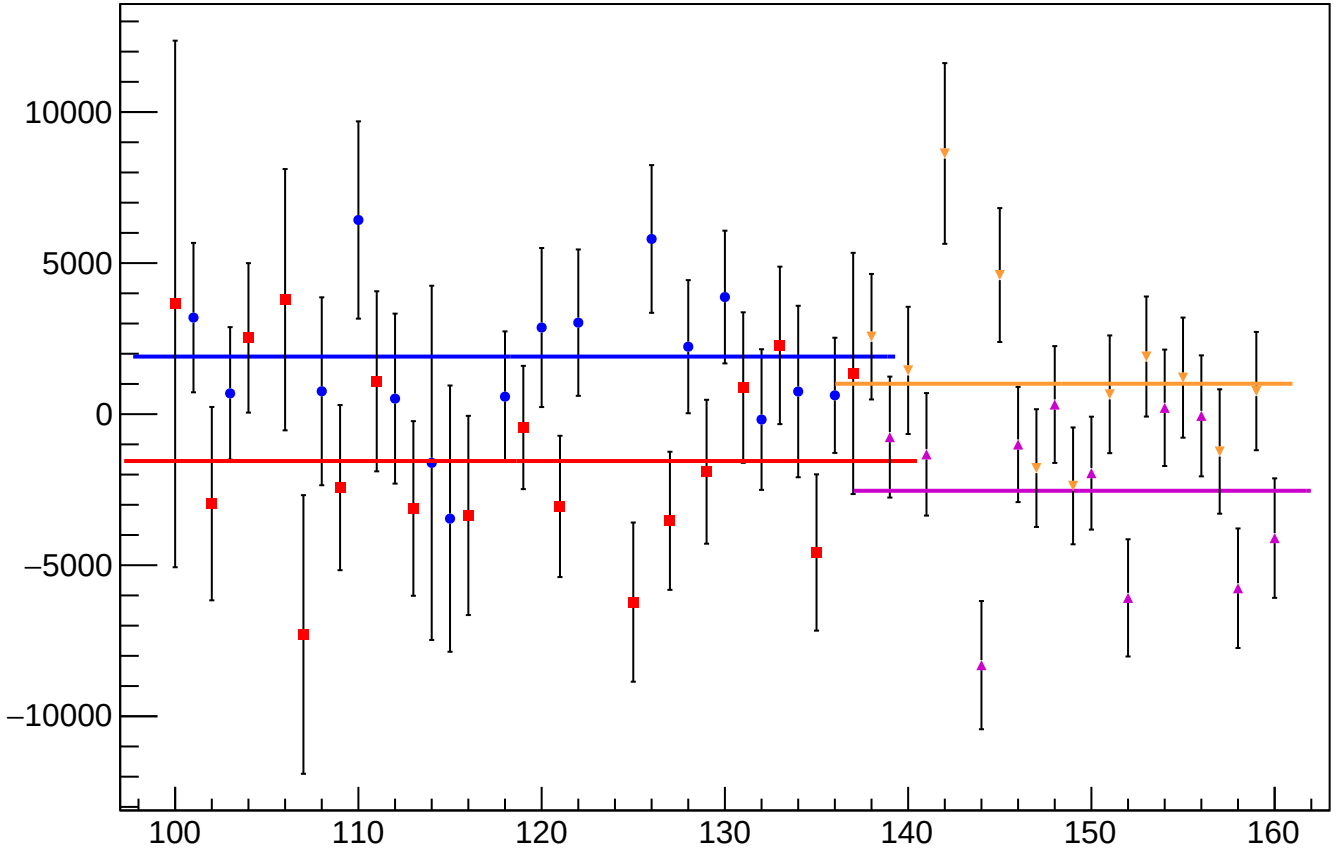
Left In: 5244.666+/-1.220 χ^2/NDF:502481.3/10

+ sign 2543.385+/-0.538 χ^2/NDF: 10475137.7/27

All: 2190.877+/-0.344 χ^2/NDF: 26101518.8/5

- 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: 1007.288+/-623.794 χ^2/NDF:16.3/10

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

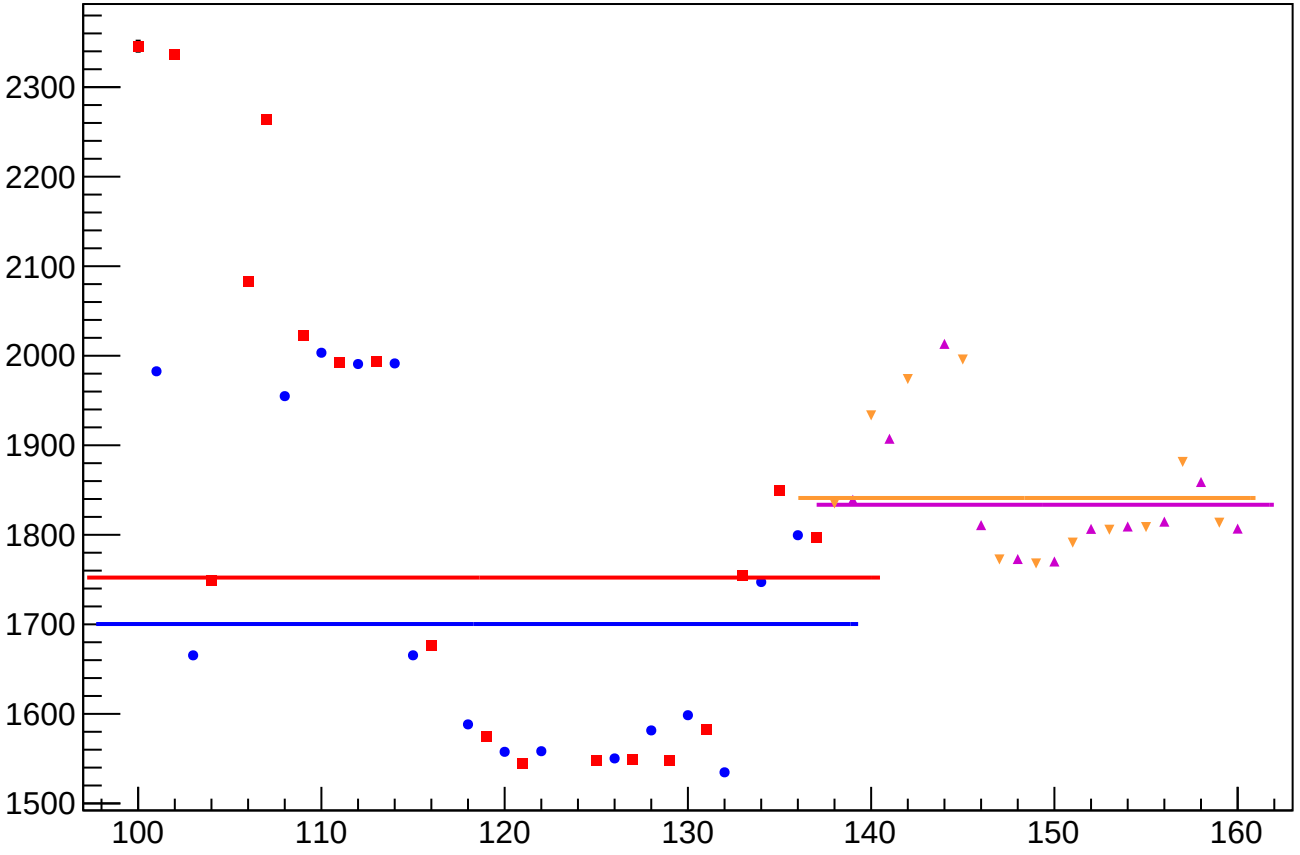
Left In: -2535.949+/-593.482 χ^2/NDF:21.7/10

+ sign 1447.731+/-445.490 χ^2/NDF: 27.5/26

All: -339.786+/-313.631 χ^2/NDF: 99.8/55

- 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: 1841.138+/-0.441 χ^2/NDF:26530.3/10

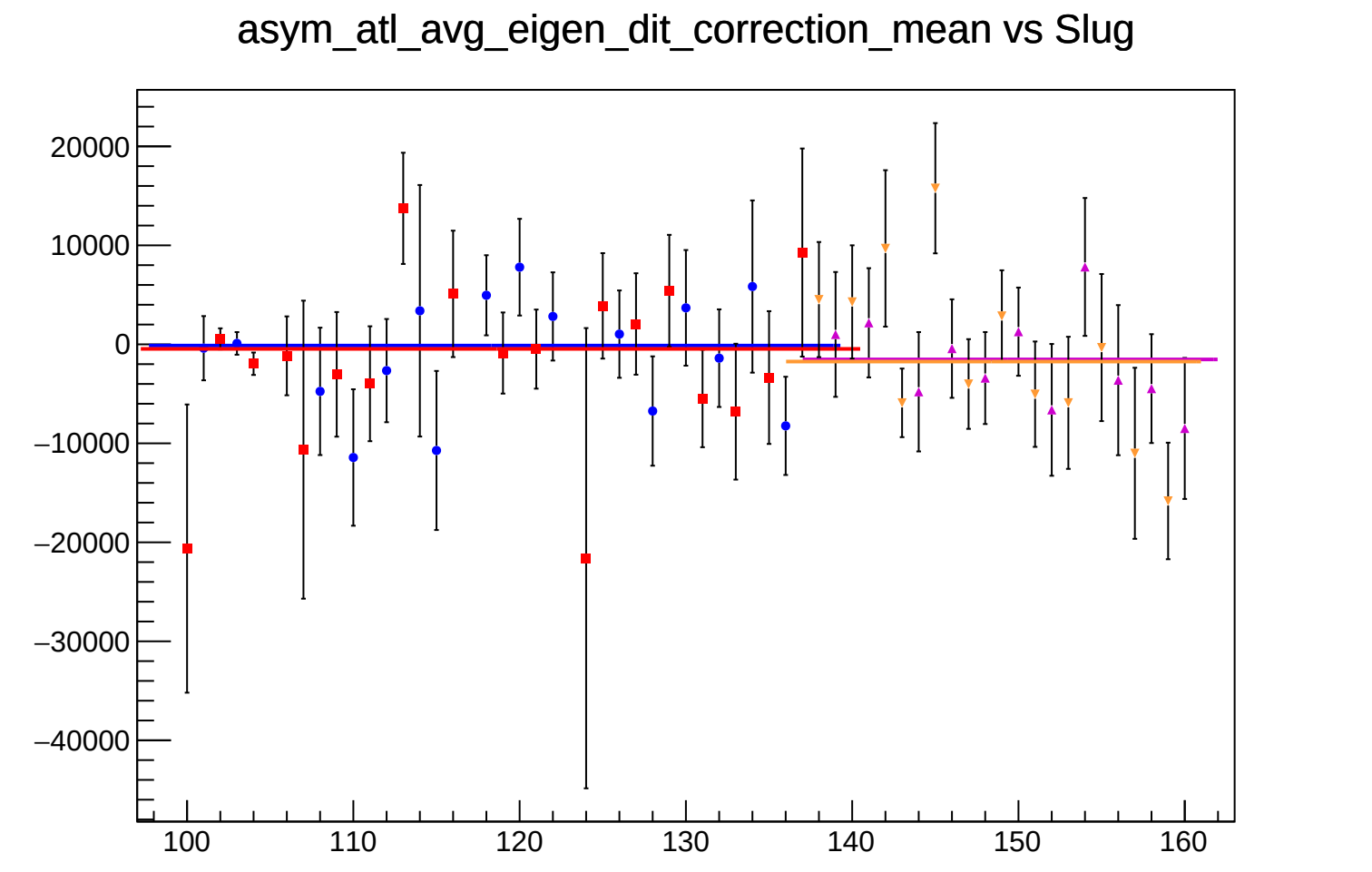
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1833.557+/-0.420 χ^2/NDF:23127.5/10

+ sign 1772.159+/-0.315 χ^2/NDF: 211862.3/26

All: 1784.788+/-0.222 χ^2/NDF: 502925.6/55

- 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: -1739.765+/-1588.307 χ^2/NDF:21.8/11

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

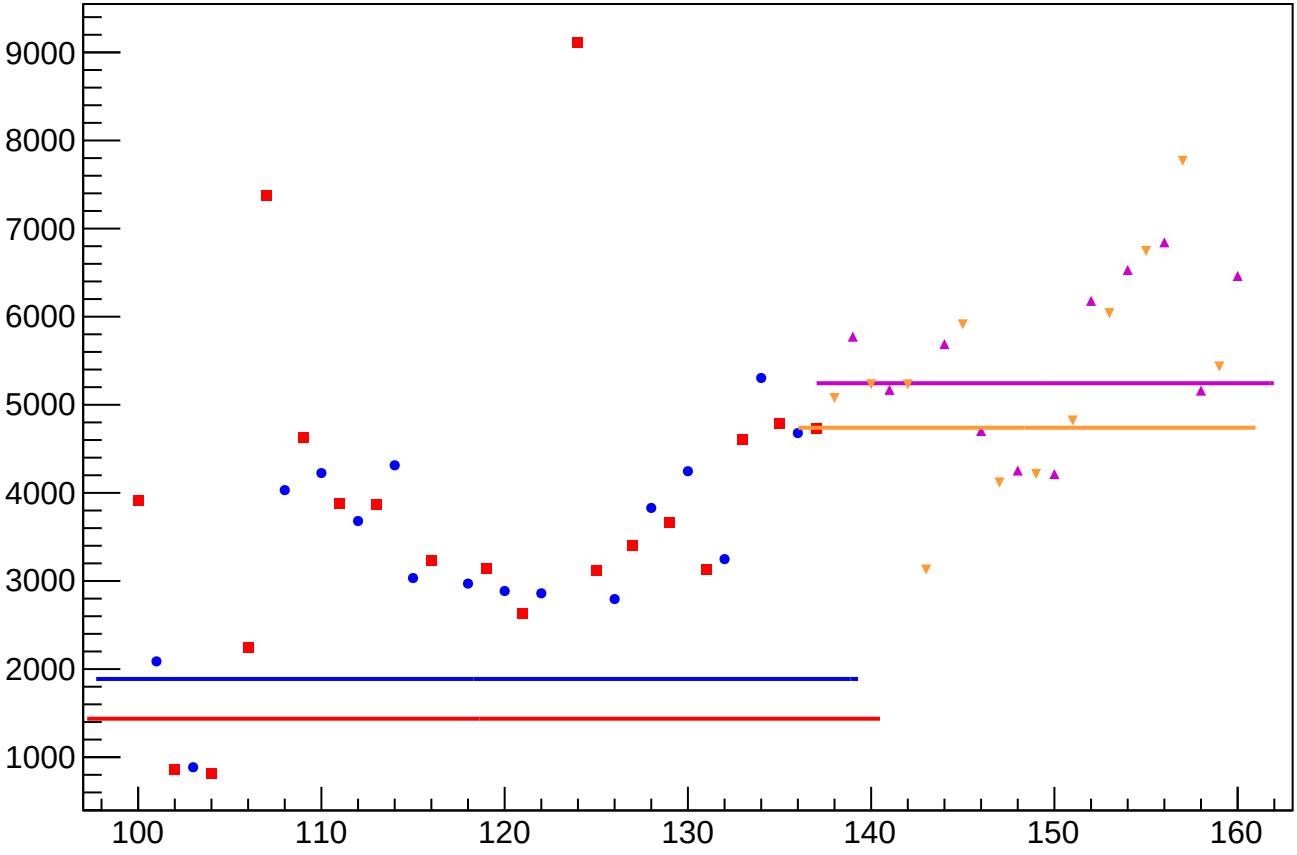
Left In: -1523.970+/-1725.075 χ^2/NDF:5.2/10

+ sign -496.472+/-761.437 χ^2/NDF: 37.7/27

All: -559.129+/-486.283 χ^2/NDF: 61.8/57

- 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: 4739.633+/-1.123 χ^2/NDF:1084260.8/11

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

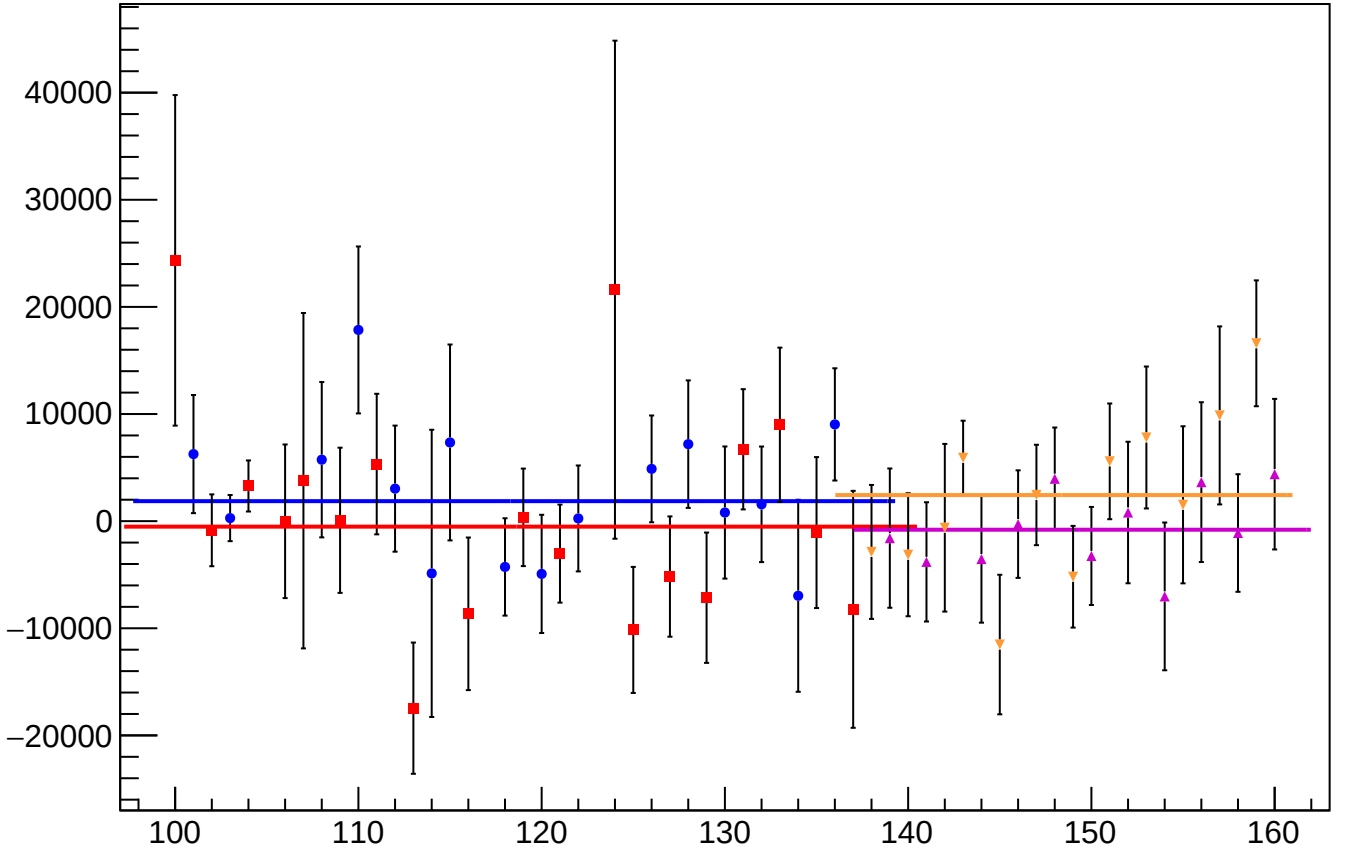
Left In: 5244.673+/-1.220 χ^2/NDF:502484.4/10

+ sign 2543.365+/-0.538 χ^2/NDF: 10475260.0/27

All: 2190.857+/-0.344 χ^2/NDF: 26101770.9/5

- 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: 2435.223+/-1605.071 χ^2/NDF:17.6/11

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

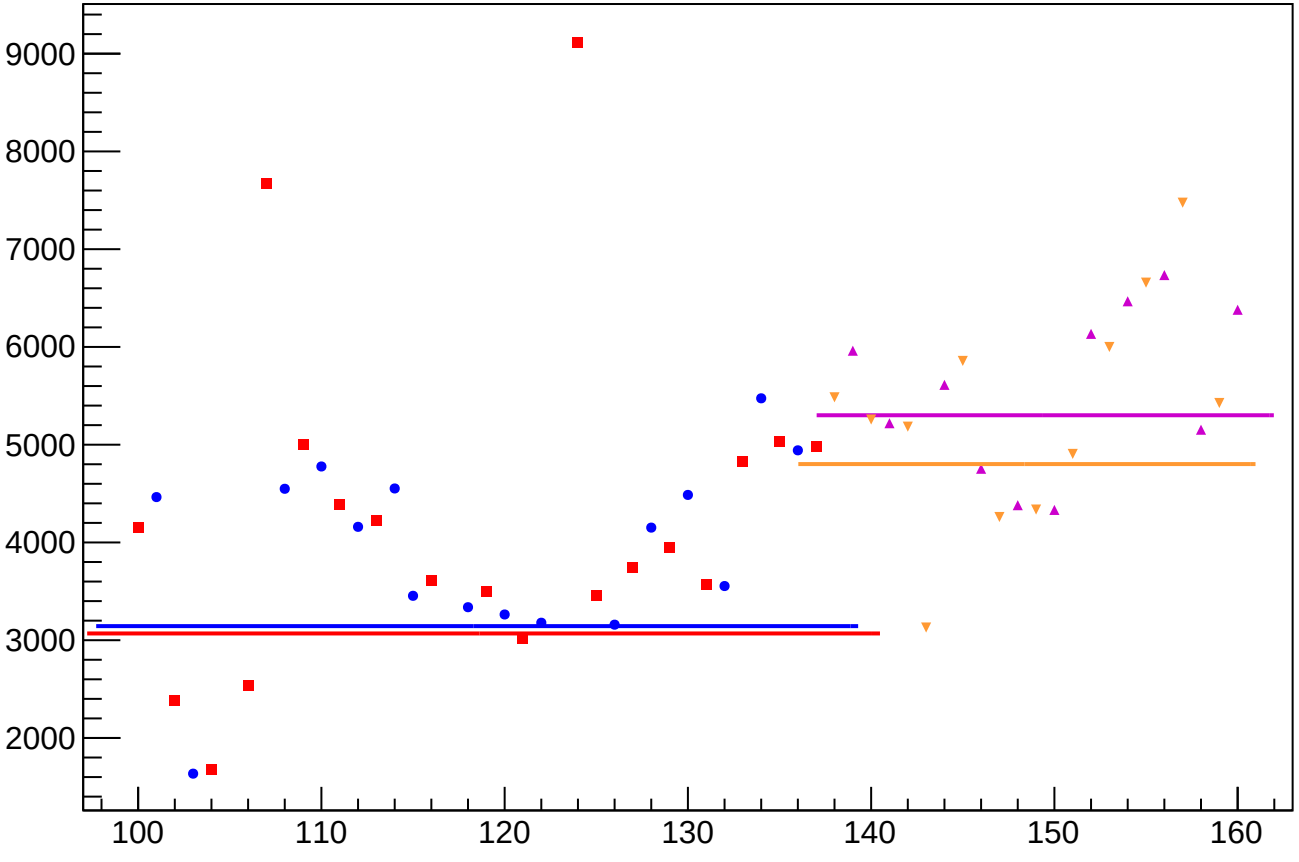
Left In: -800.907+/-1738.781 χ^2/NDF:3.6/10

+ sign 2083.244+/-990.704 χ^2/NDF: 31.5/27

All: 763.163+/-707.391 χ^2/NDF: 63.4/57

- 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: 4801.784+/-1.135 χ^2/NDF:1029627.4/11

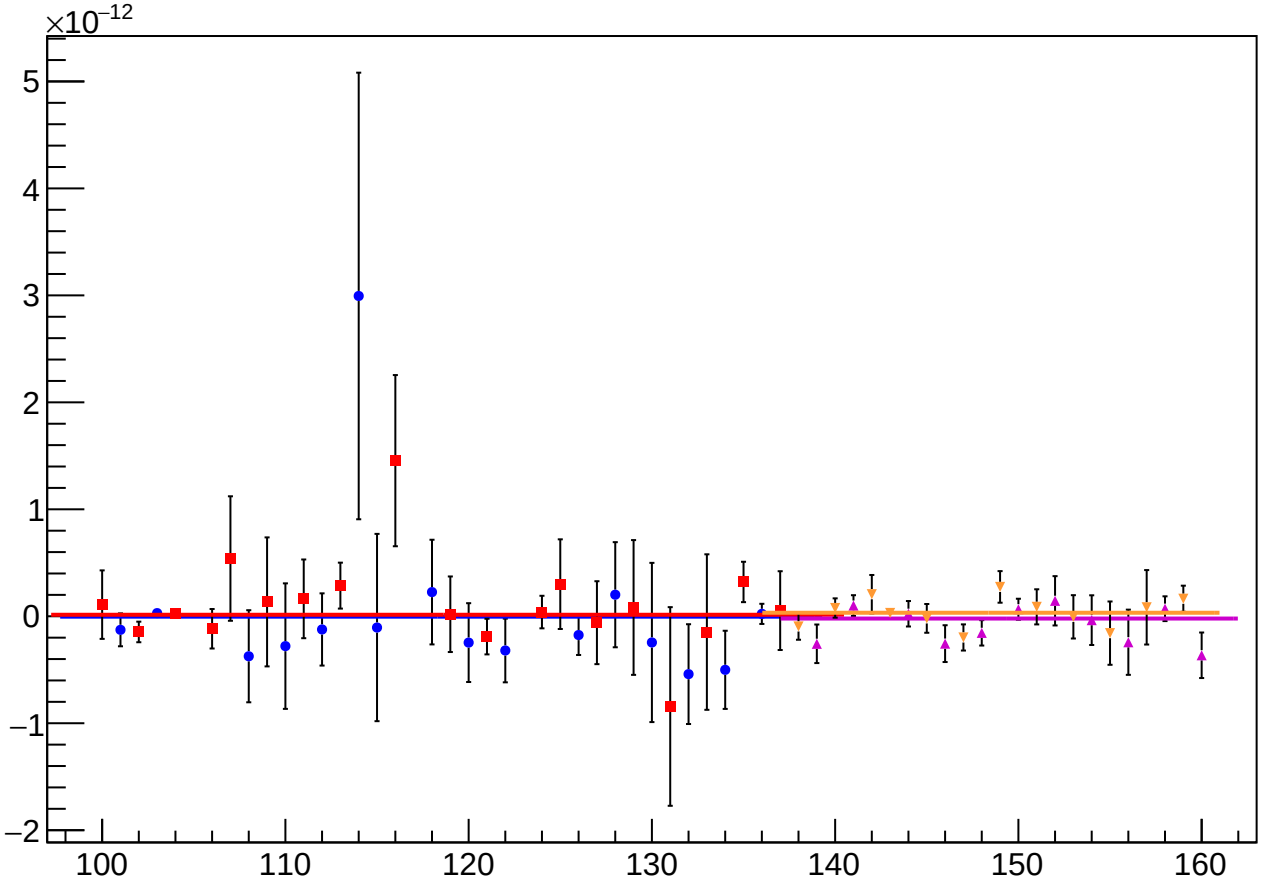
Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5301.195+/-1.230 χ^2/NDF:425278.2/10

+ sign 3775.660+/-0.701 χ^2/NDF: 4233251.3/27

All: 3791.288+/-0.498 χ^2/NDF: 8747154.2/57

- sign 3807.206+/-0.707 χ^2/NDF: 4512898.3/29



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/11

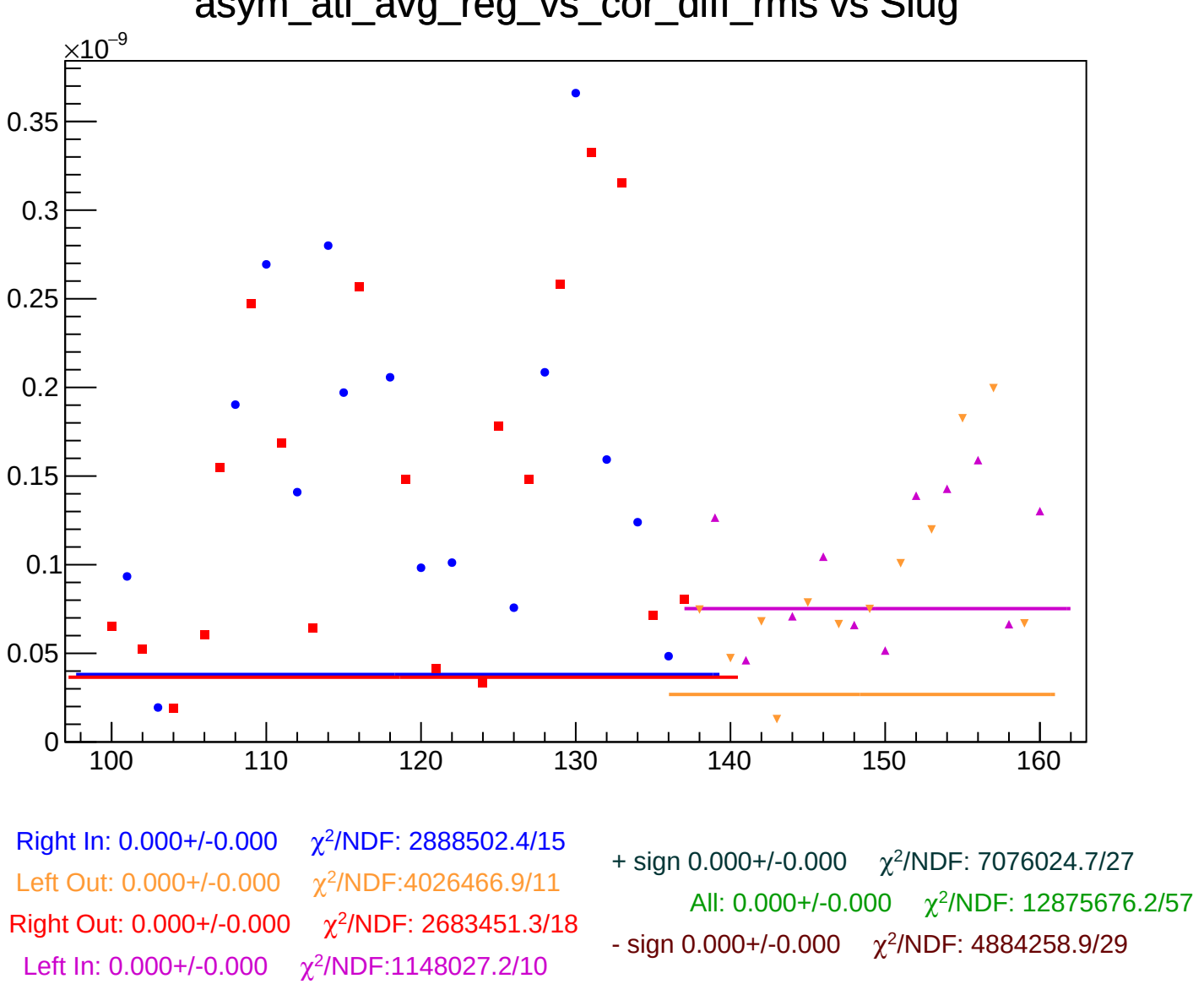
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:11.6/10

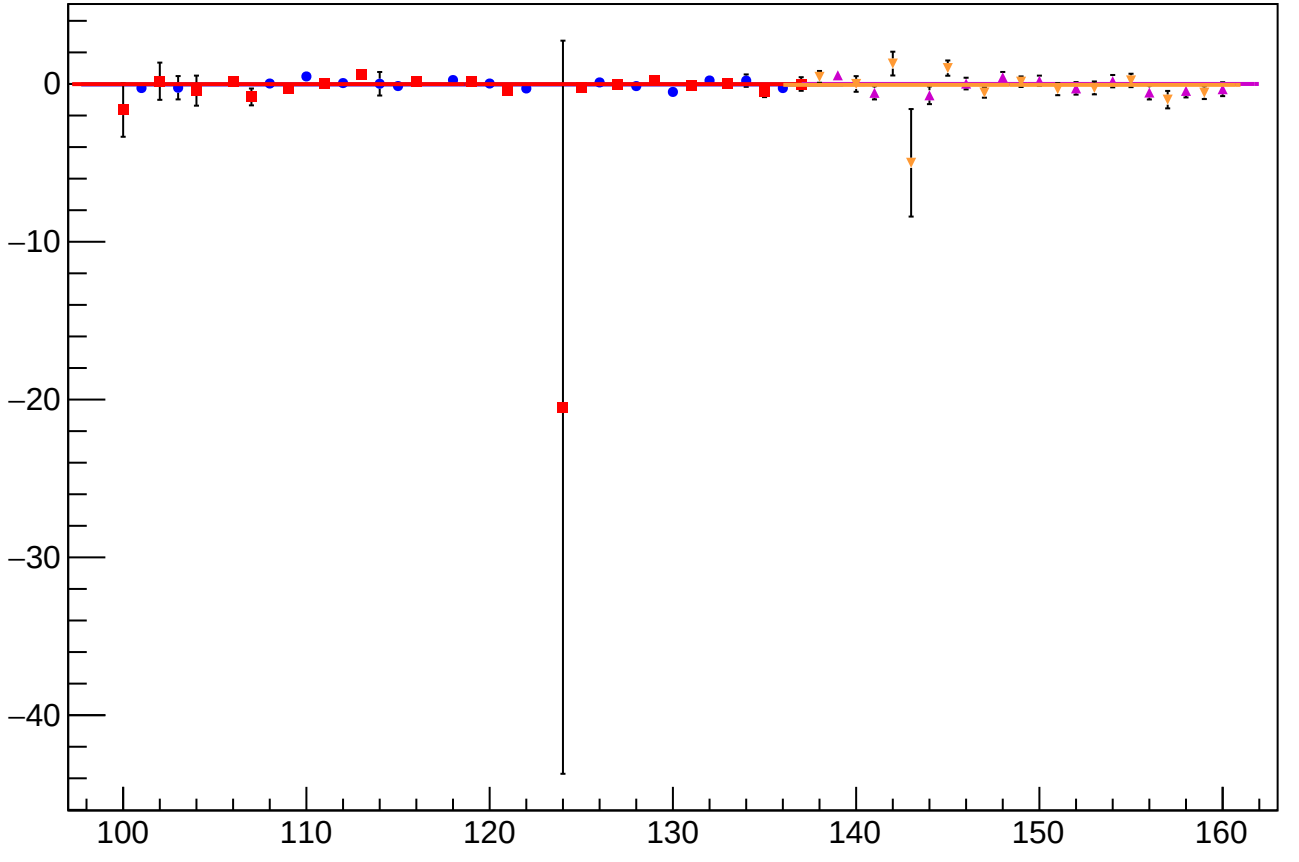
+ sign 0.000+/-0.000 χ^2/NDF: 21.9/27

All: 0.000+/-0.000 χ^2/NDF: 49.3/57

- 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:4026466.9/11
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: 7076024.7/27
All: 0.000+/-0.000 χ²/NDF: 12875676.2/57
- 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: -0.056+/-0.126 χ^2/NDF:20.1/11

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

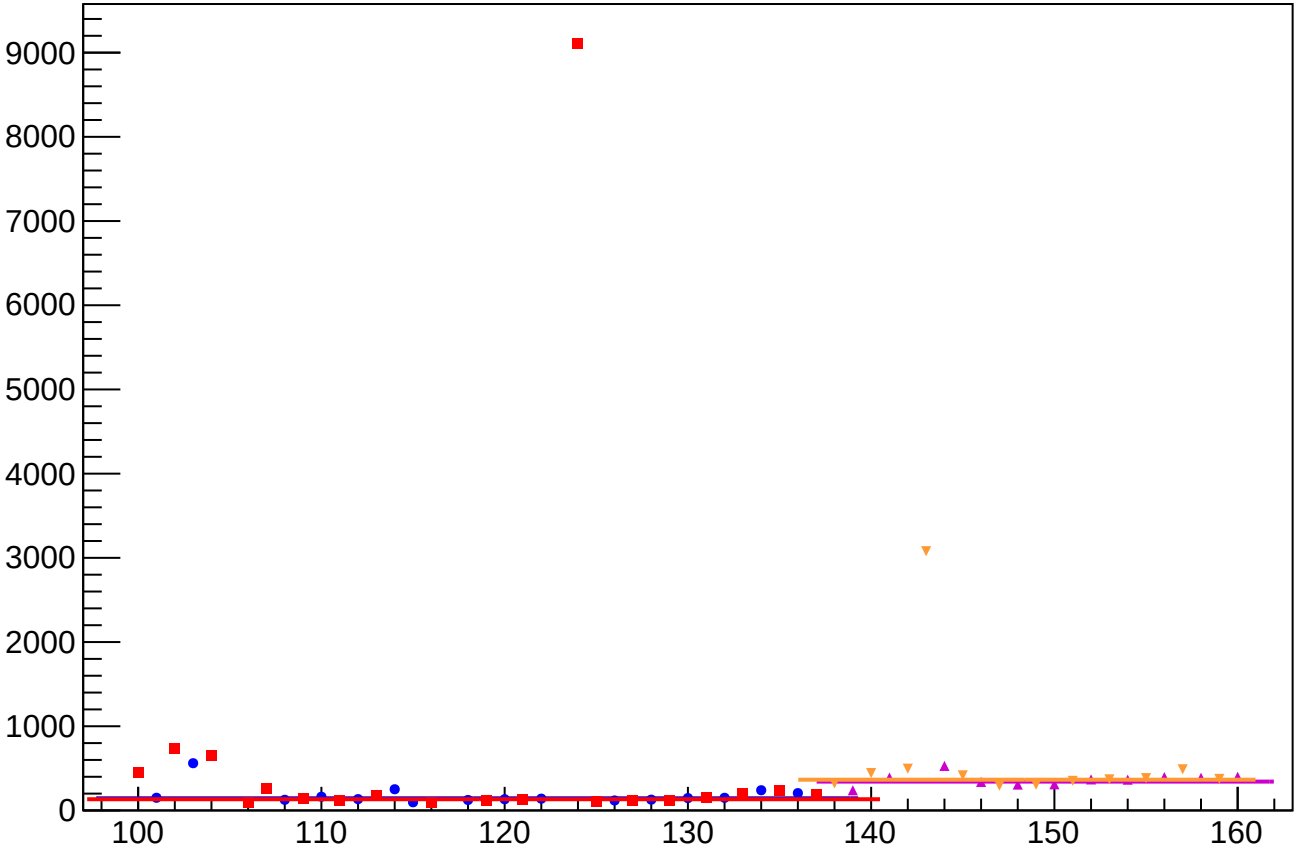
Left In: 0.000+/-0.114 χ^2/NDF:13.3/10

+ sign -0.034+/-0.053 χ^2/NDF: 37.4/27

All: -0.021+/-0.036 χ^2/NDF: 72.5/57

- 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: 365.211+/-0.089 χ^2/NDF:1691421.1/11

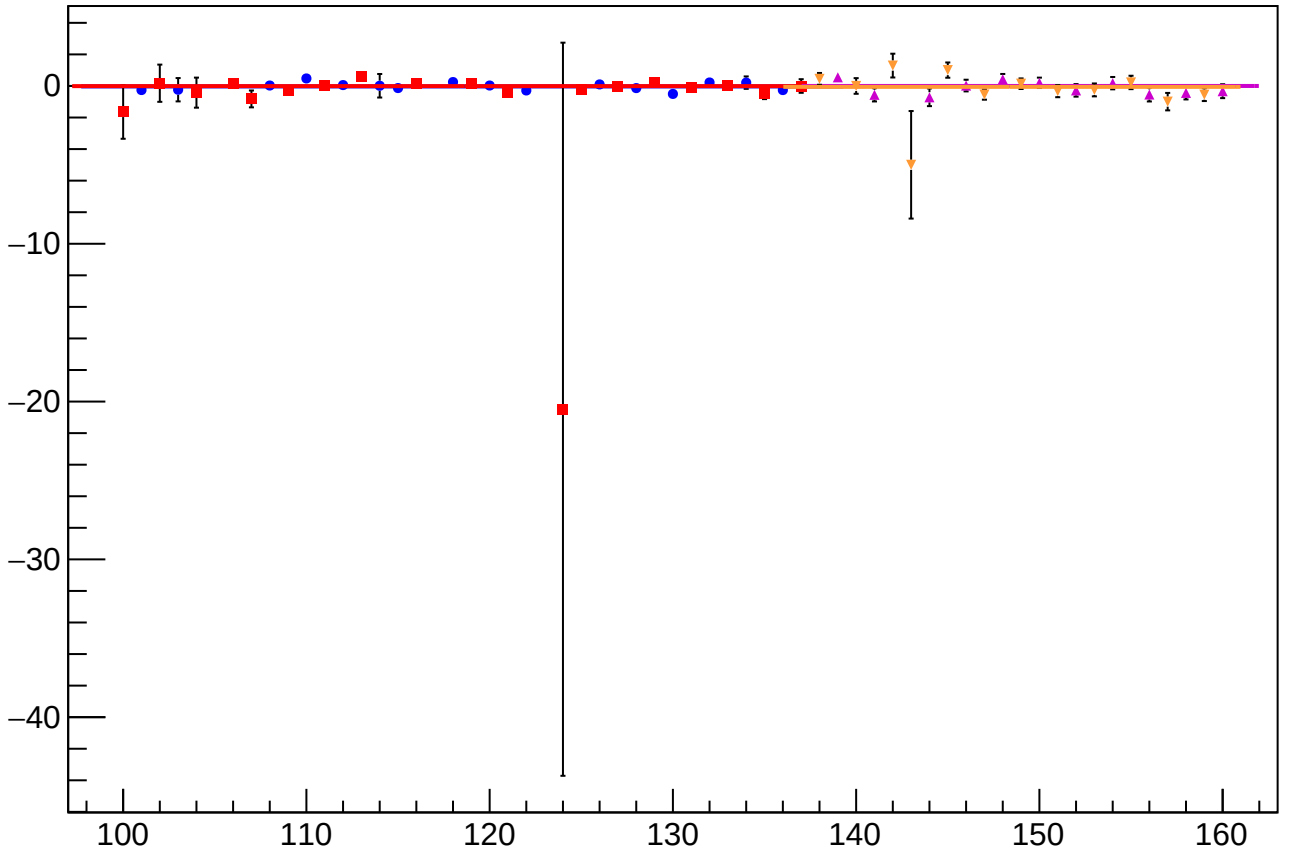
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 342.719+/-0.081 χ^2/NDF:675473.7/10

+ sign 182.855+/-0.037 χ^2/NDF: 7915668.0/27

All: 178.456+/-0.026 χ^2/NDF: 16231929.7/57

- sign 174.366+/-0.036 χ^2/NDF: 8289206.1/29



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.056+/-0.126 χ^2/NDF:20.1/11

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

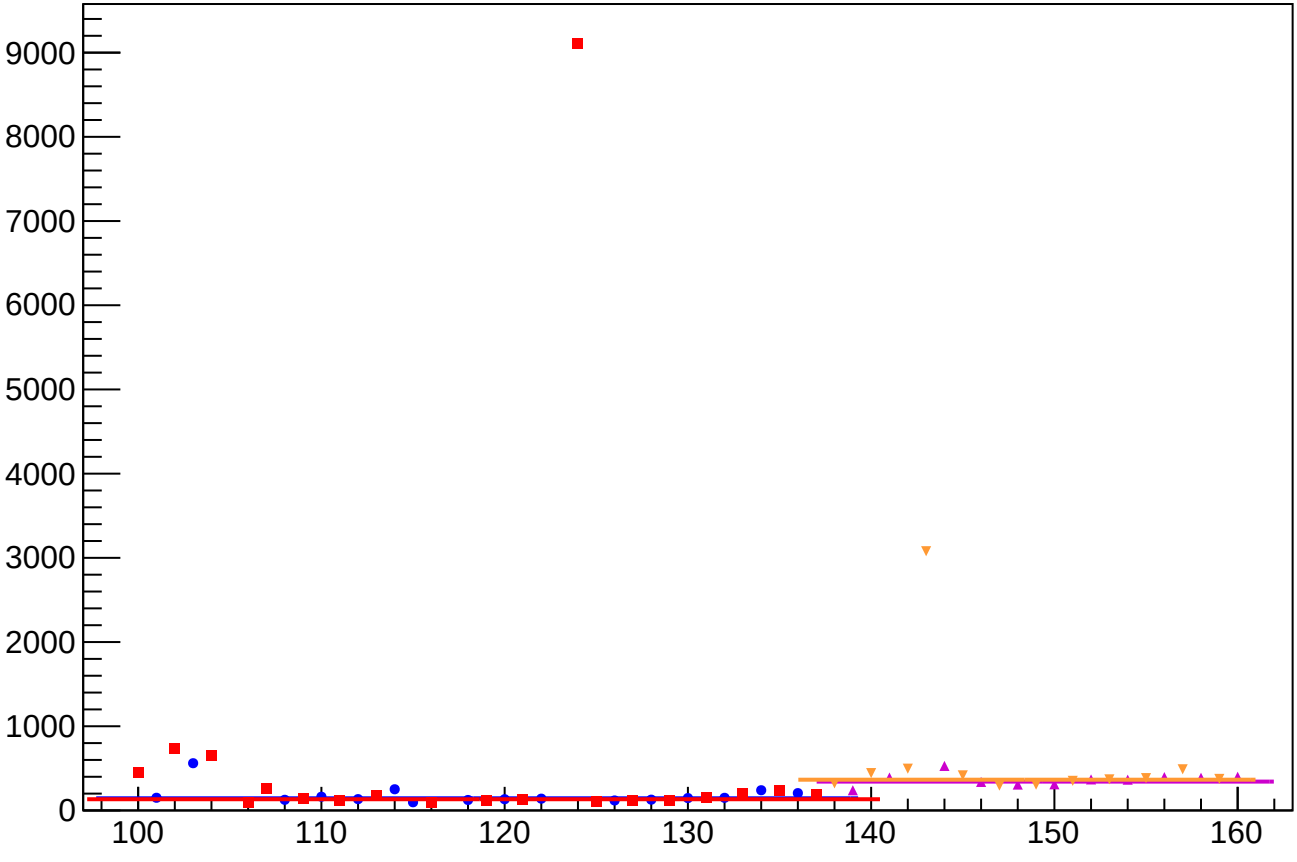
Left In: 0.000+/-0.114 χ^2/NDF:13.3/10

+ sign -0.034+/-0.053 χ^2/NDF: 37.4/27

All: -0.021+/-0.036 χ^2/NDF: 72.5/57

- 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: 365.211+/-0.089 χ^2/NDF:1691421.1/11

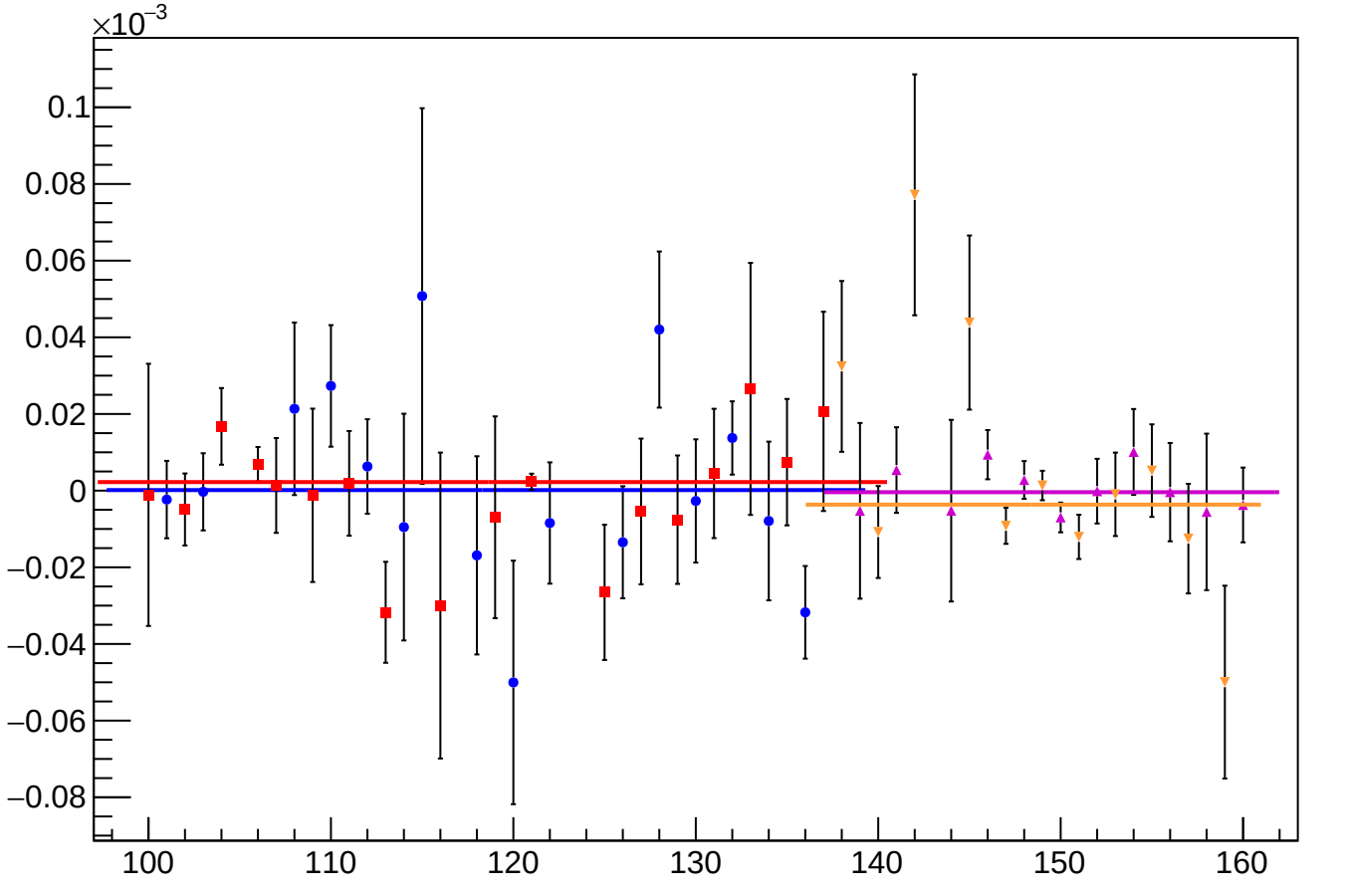
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 342.719+/-0.081 χ^2/NDF:675473.7/10

+ sign 182.855+/-0.037 χ^2/NDF: 7915668.0/27

All: 178.456+/-0.026 χ^2/NDF: 16231929.7/57

- 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:23.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

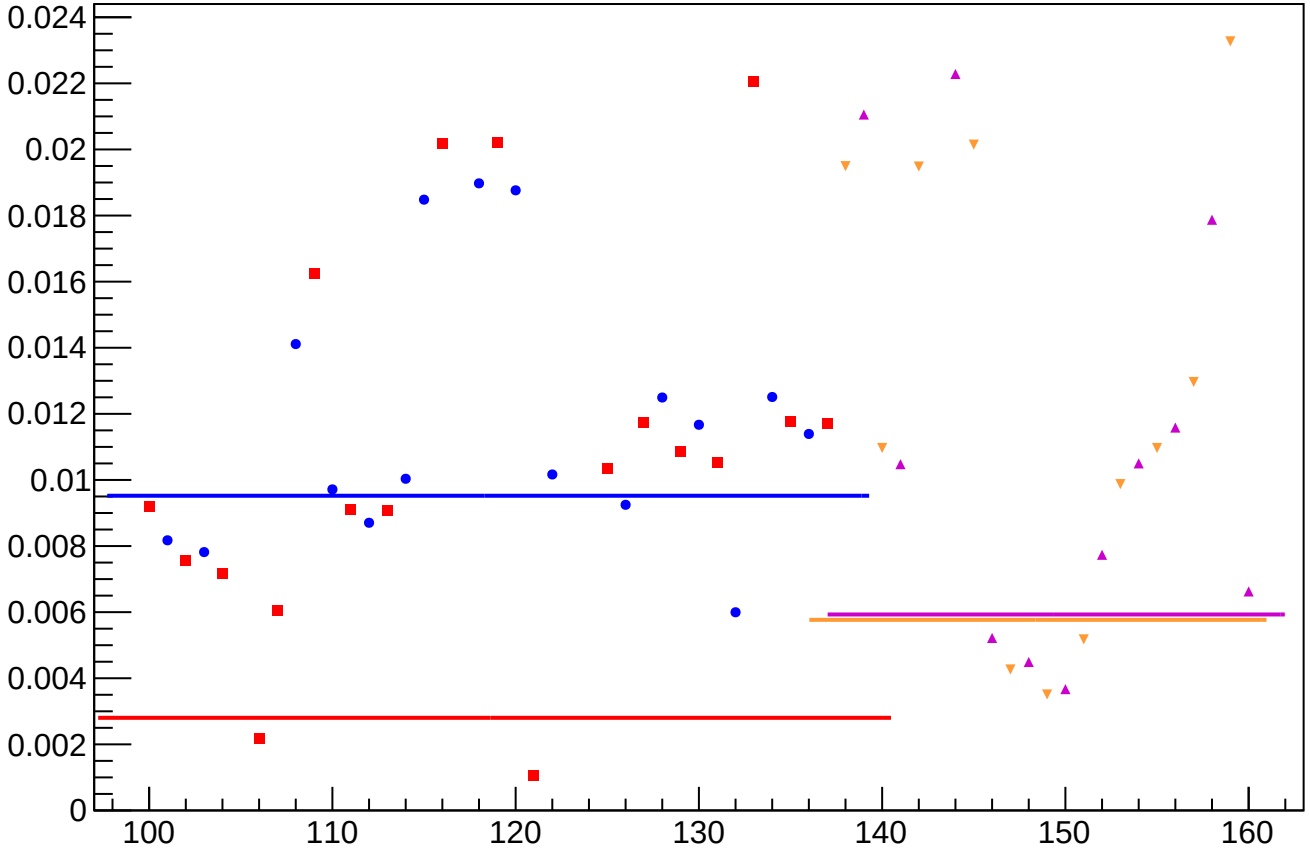
Left In: -0.000+/-0.000 χ^2/NDF:7.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 47.1/26

All: 0.000+/-0.000 χ^2/NDF: 73.0/55

- 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:5364688.5/10

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

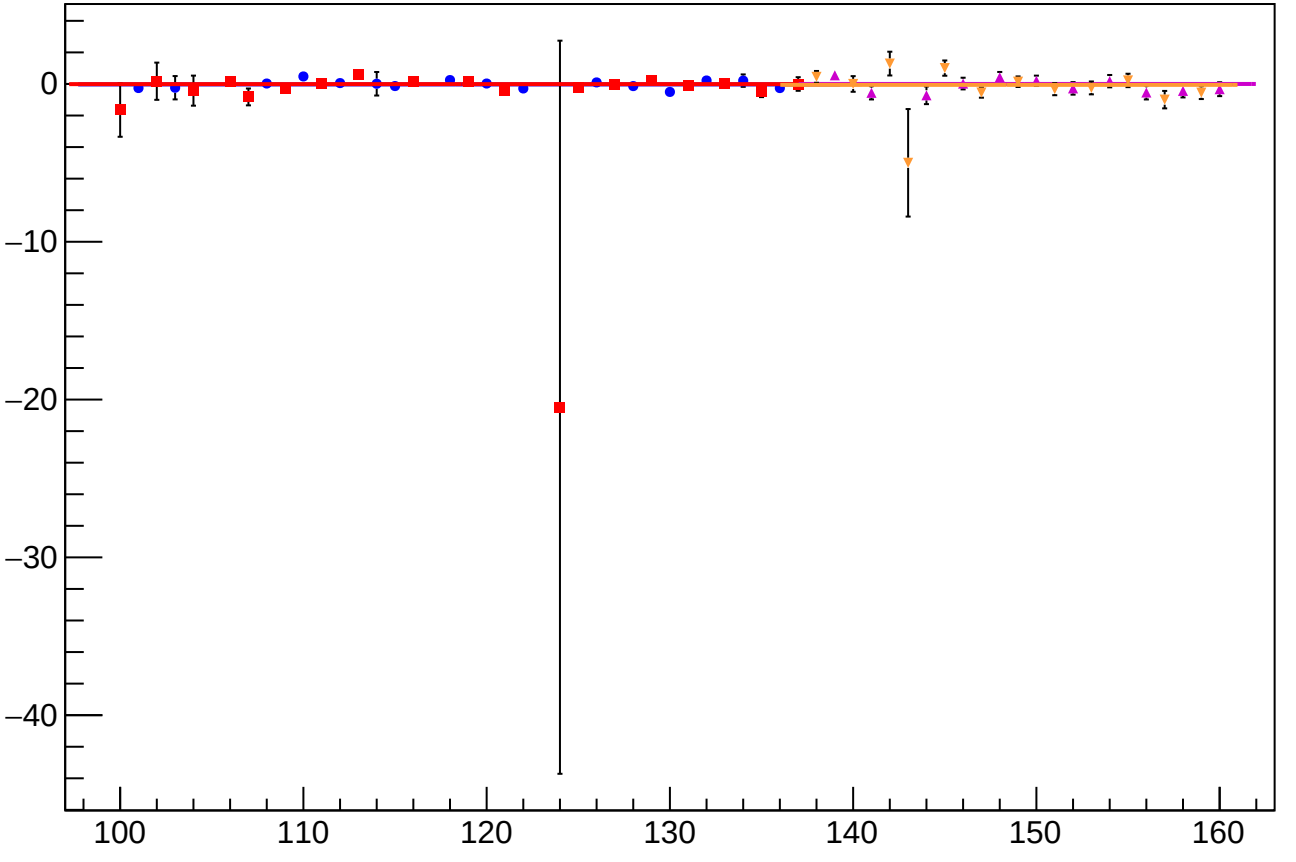
Left In: 0.006+/-0.000 χ^2/NDF:4537751.0/10

+ sign 0.007+/-0.000 χ^2/NDF: 7930585.5/26

All: 0.005+/-0.000 χ^2/NDF: 26279481.6/55

- 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: -0.056+/-0.126 χ^2/NDF:20.1/11

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

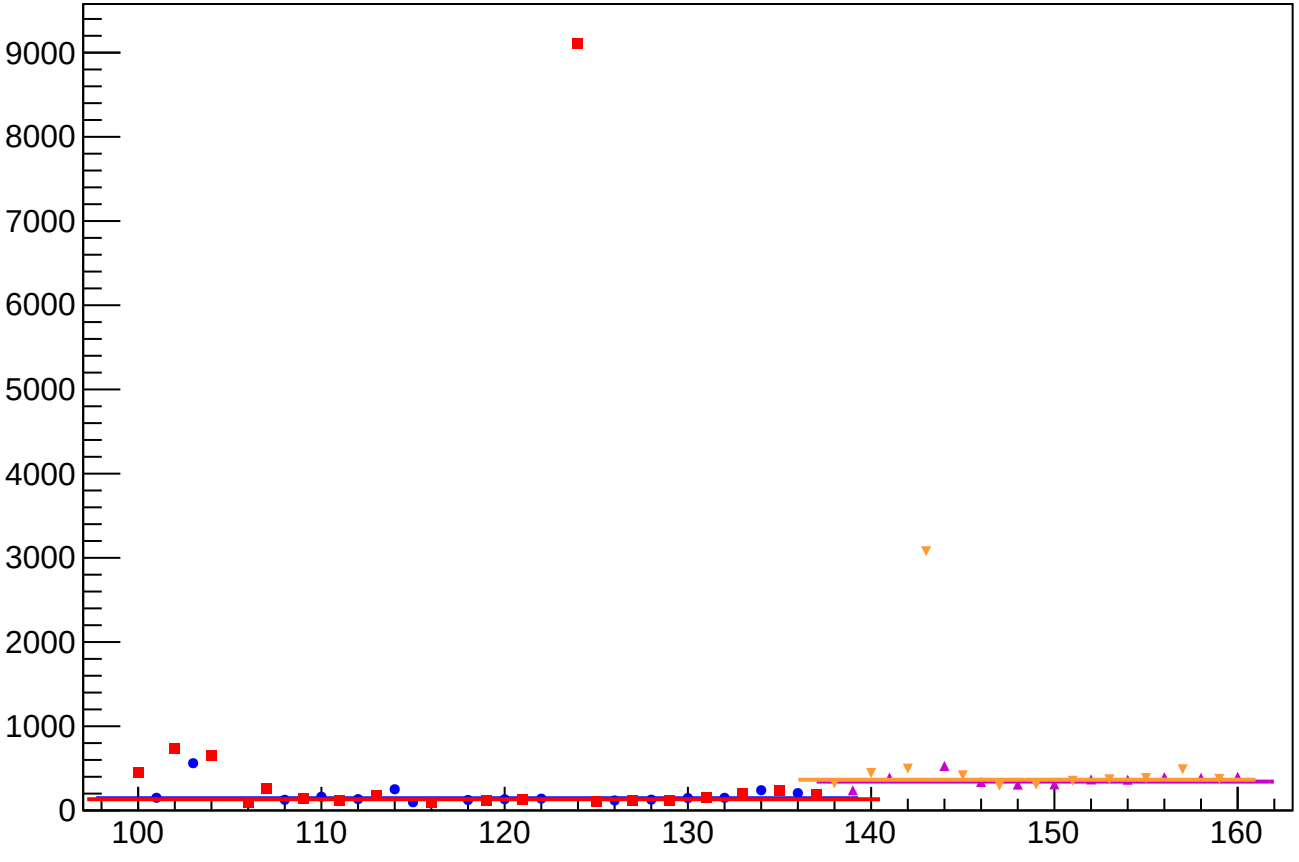
Left In: 0.000+/-0.114 χ^2/NDF:13.2/10

+ sign -0.034+/-0.053 χ^2/NDF: 37.4/27

All: -0.021+/-0.036 χ^2/NDF: 72.5/57

- 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: 365.216+/-0.089 χ^2/NDF:1691457.5/11

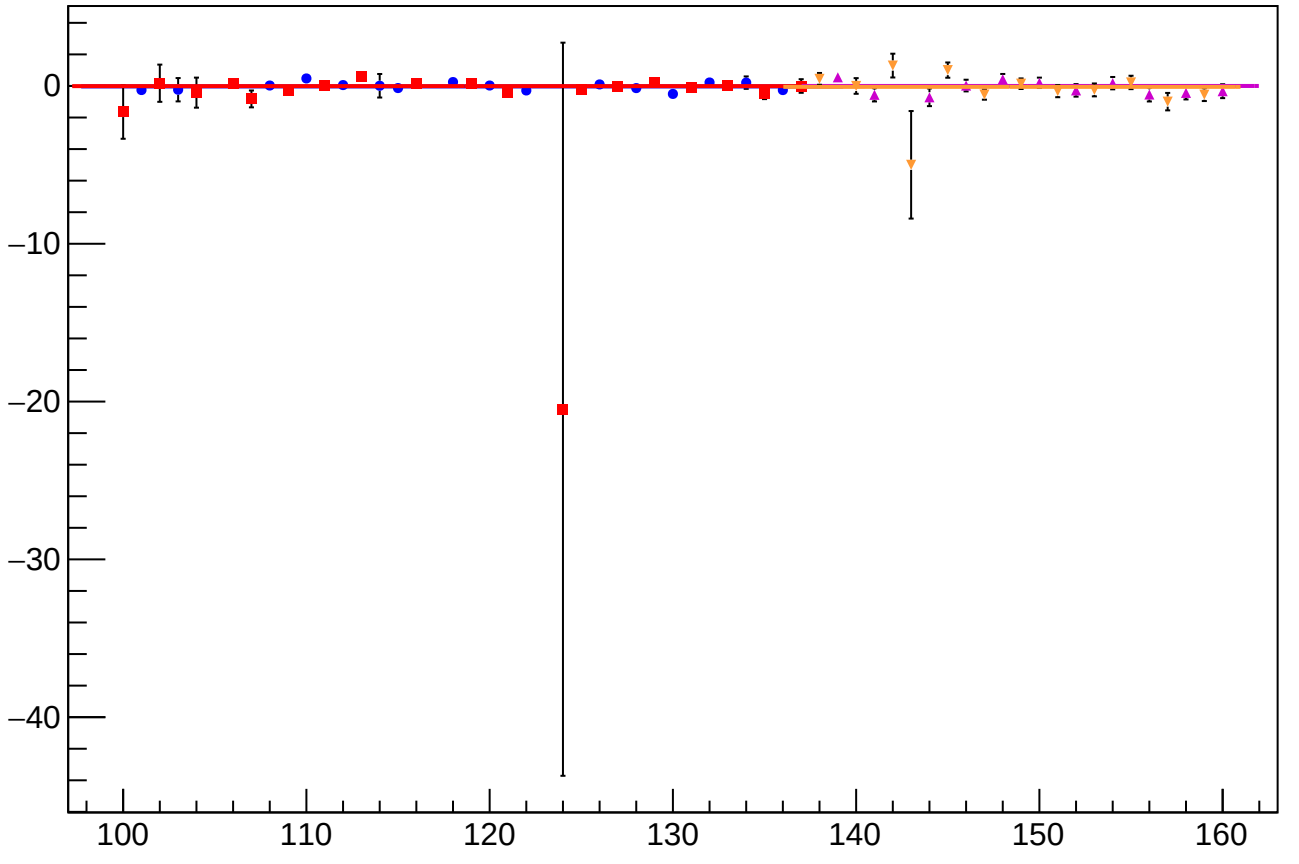
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 342.724+/-0.081 χ^2/NDF:675469.4/10

+ sign 182.853+/-0.037 χ^2/NDF: 7915904.7/27

All: 178.455+/-0.026 χ^2/NDF: 16232299.9/57

- 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: -0.056+/-0.126 χ^2/NDF:20.1/11

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

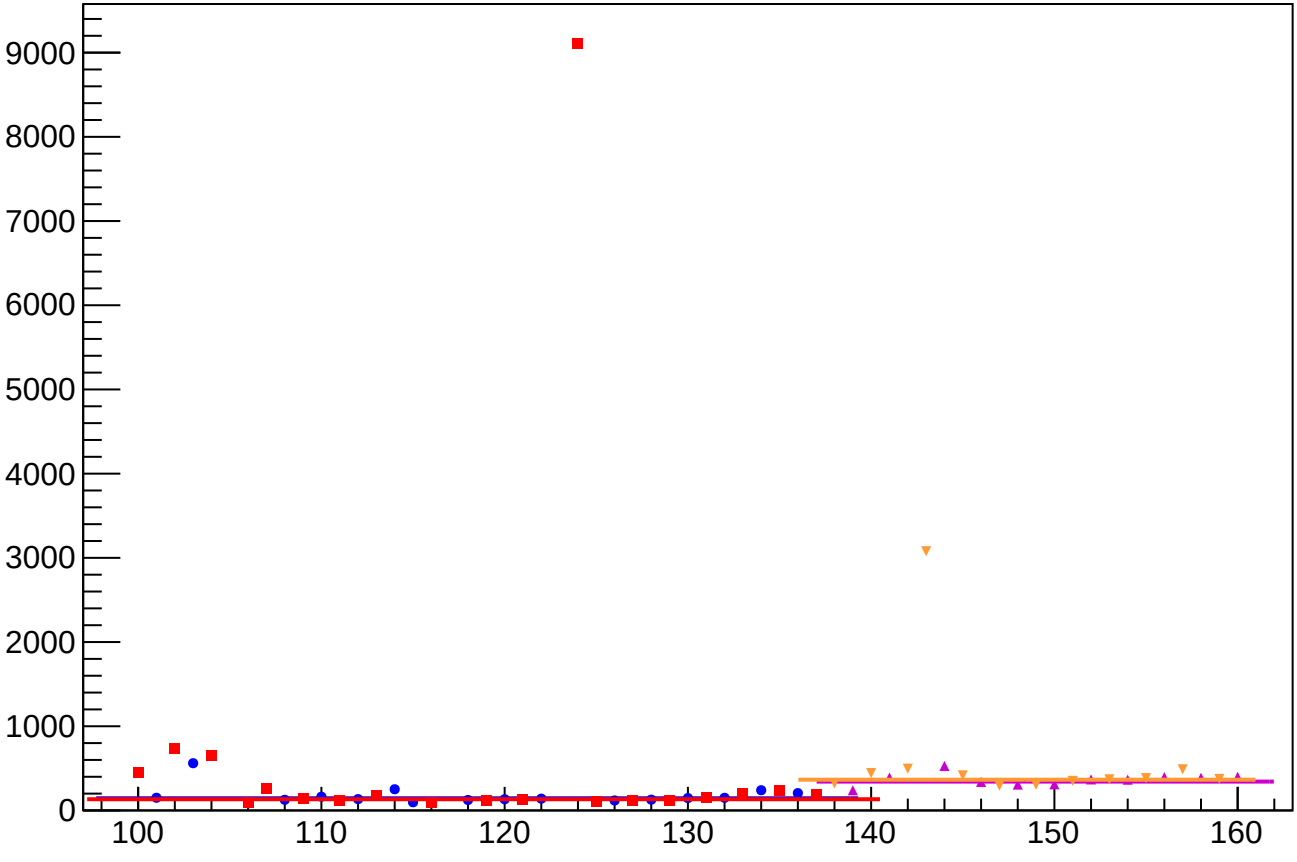
Left In: 0.000+/-0.114 χ^2/NDF:13.2/10

+ sign -0.034+/-0.053 χ^2/NDF: 37.4/27

All: -0.021+/-0.036 χ^2/NDF: 72.5/57

- 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: 365.216+/-0.089 χ^2/NDF:1691457.5/11

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

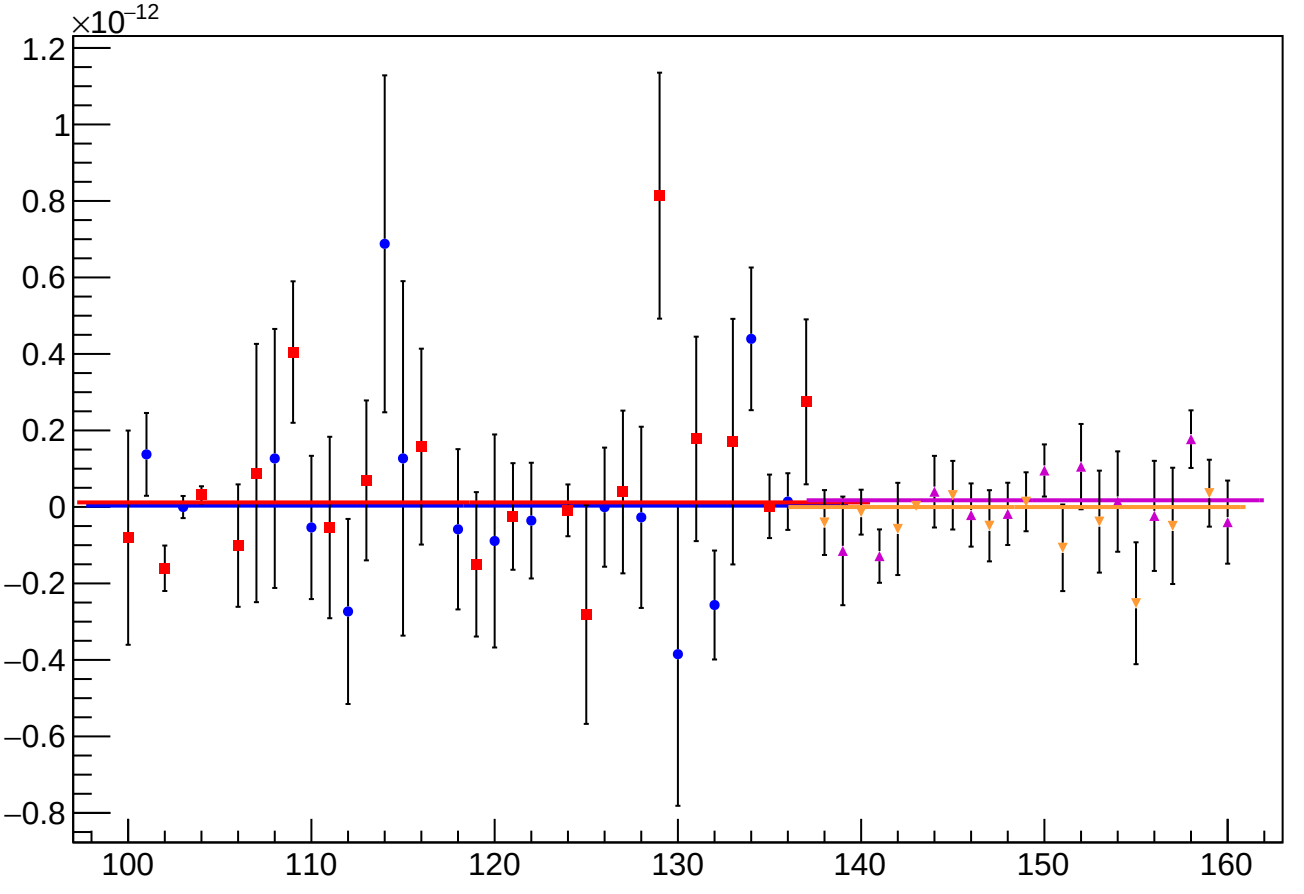
Left In: 342.724+/-0.081 χ^2/NDF:675469.4/10

+ sign 182.853+/-0.037 χ^2/NDF: 7915904.7/27

All: 178.455+/-0.026 χ^2/NDF: 16232299.9/57

- sign 174.365+/-0.036 χ^2/NDF: 8289345.1/29

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

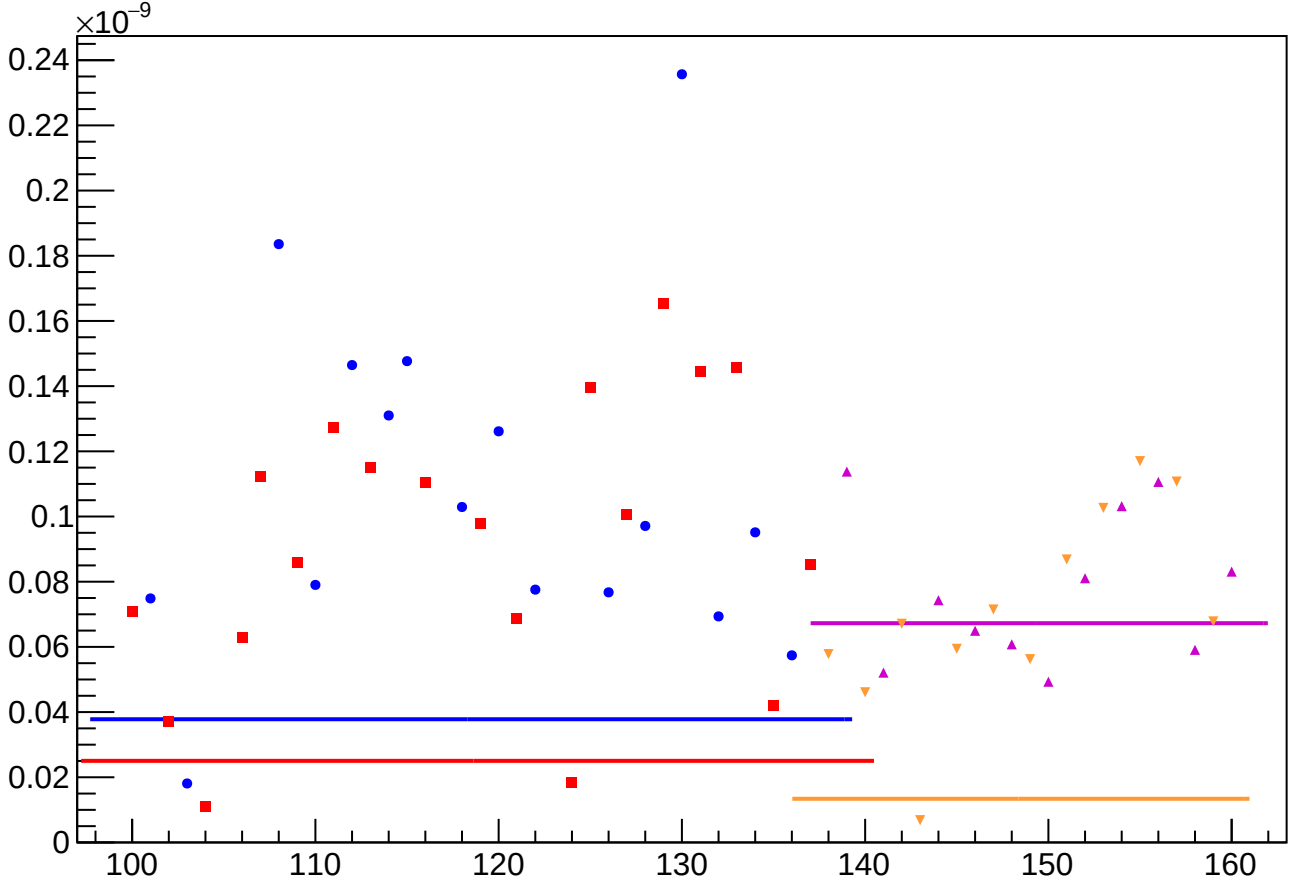
Left In: 0.000+/-0.000 χ^2/NDF:12.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 20.4/27

All: 0.000+/-0.000 χ^2/NDF: 58.6/57

- 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:8520105.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

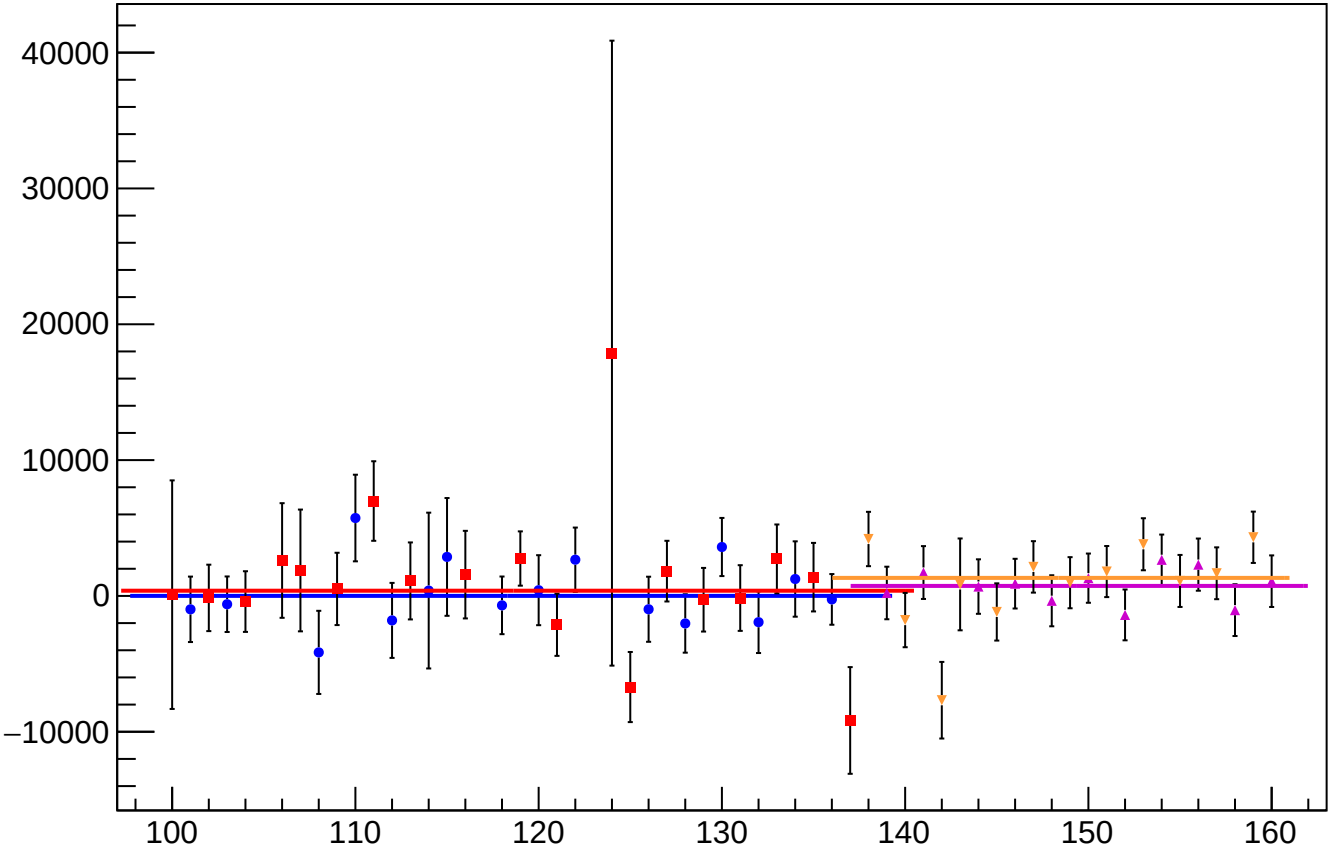
Left In: 0.000+/-0.000 χ^2/NDF:901021.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 14261969.7/27

All: 0.000+/-0.000 χ^2/NDF: 26091980.8/57

- 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: 1328.146+/-588.957 χ^2/NDF:20.6/11

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

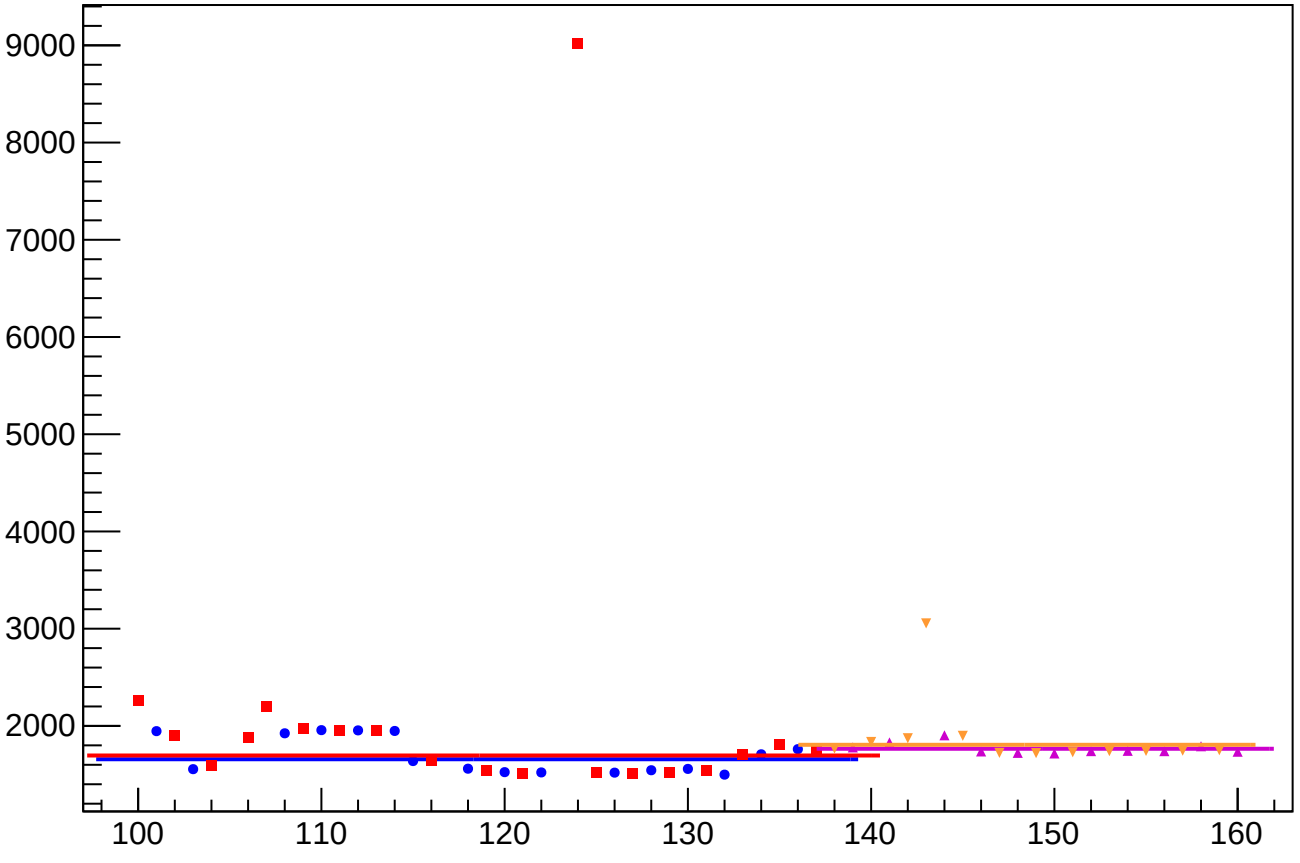
Left In: 737.692+/-571.091 χ^2/NDF:4.7/10

+ sign 700.127+/-426.977 χ^2/NDF: 35.4/27

All: 639.430+/-300.943 χ^2/NDF: 64.4/57

- 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: 1805.672+/-0.416 χ^2/NDF:298596.8/11

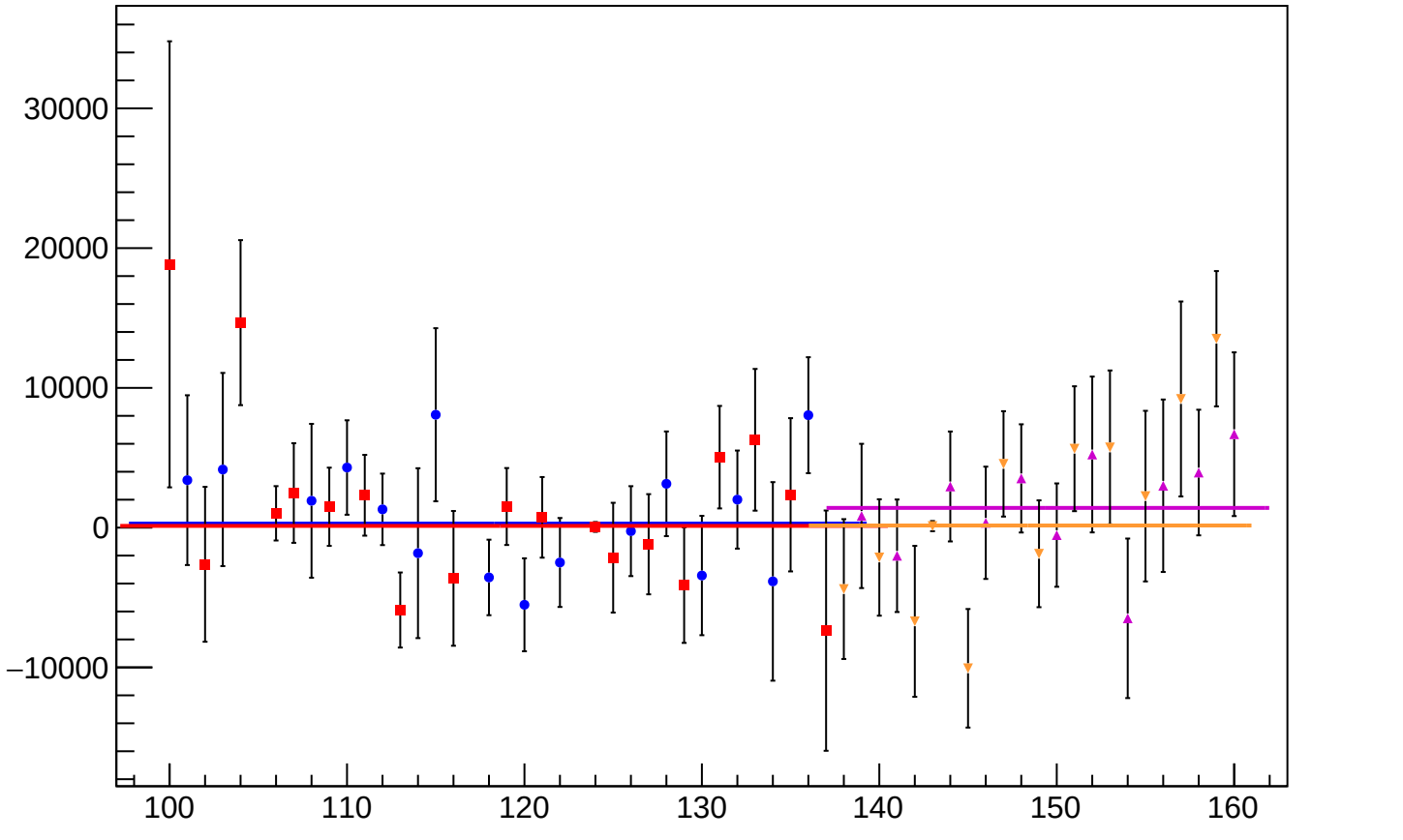
Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1764.897+/-0.404 χ^2/NDF:16529.1/10

+ sign 1735.196+/-0.302 χ^2/NDF: 502944.3/27

All: 1734.443+/-0.213 χ^2/NDF: 918948.4/57

- sign 1733.703+/-0.299 χ^2/NDF: 415991.7/29



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 153.976+/-352.637 χ^2/NDF:22.2/11

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

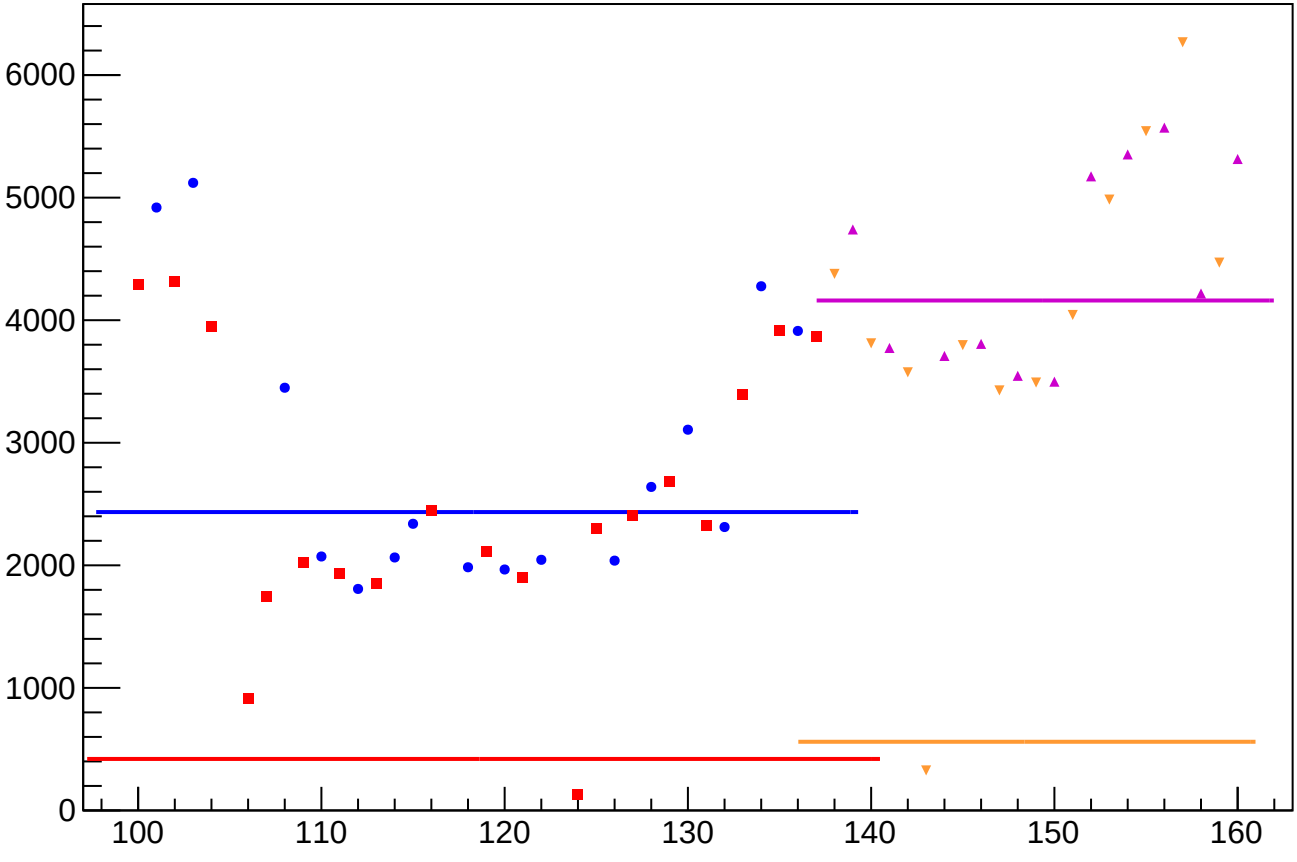
Left In: 1412.181+/-1369.084 χ^2/NDF:5.1/10

+ sign 170.028+/-331.056 χ^2/NDF: 37.4/27

All: 182.455+/-228.214 χ^2/NDF: 64.2/57

- 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: 560.429+/-0.249 χ^2/NDF:13807680.0/11

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

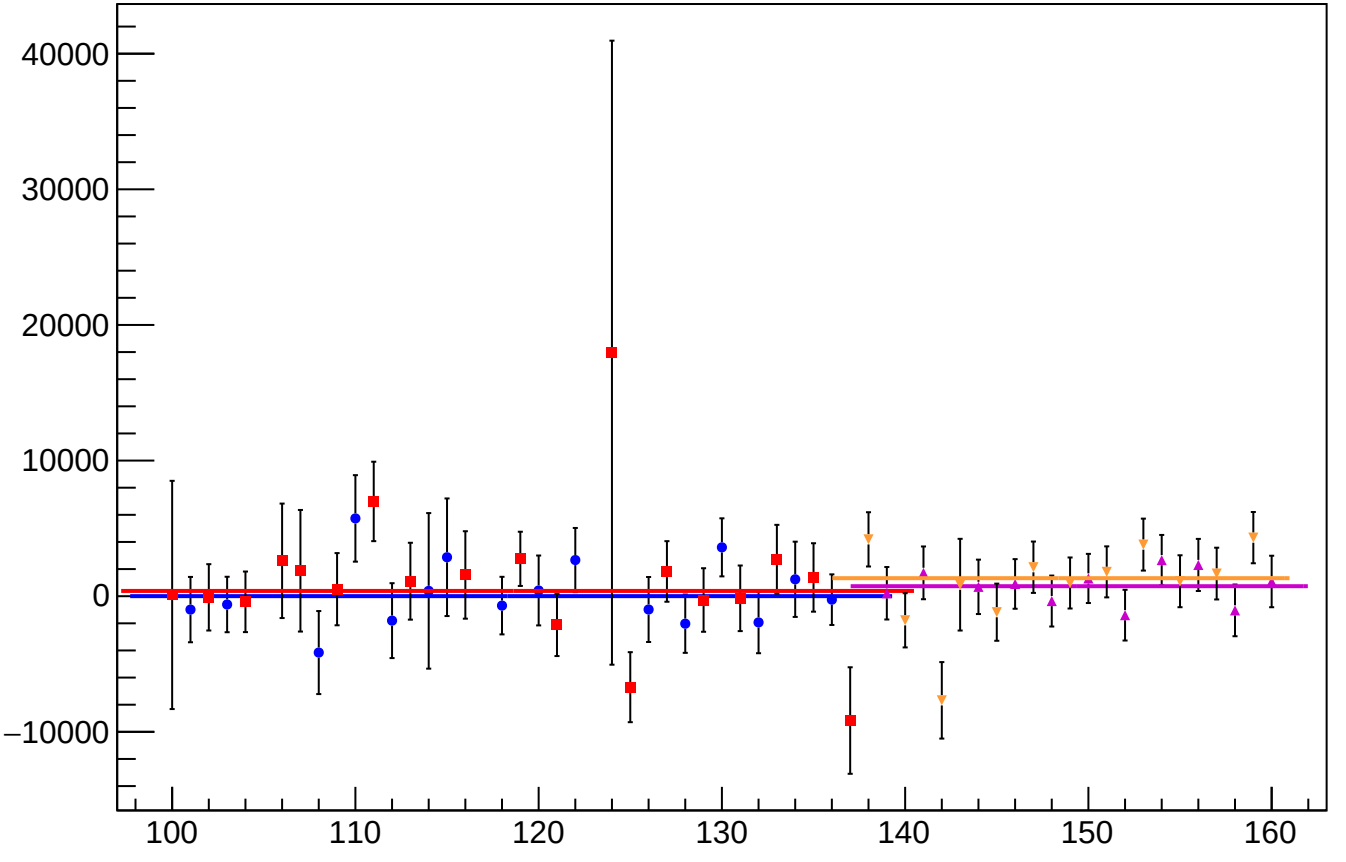
Left In: 4160.761+/-0.968 χ^2/NDF:536001.9/10

+ sign 782.811+/-0.234 χ^2/NDF: 21968564.5/27

All: 696.497+/-0.161 χ^2/NDF: 47965876.5/57

- 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: 1328.017+/-588.957 χ^2/NDF:20.6/11

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

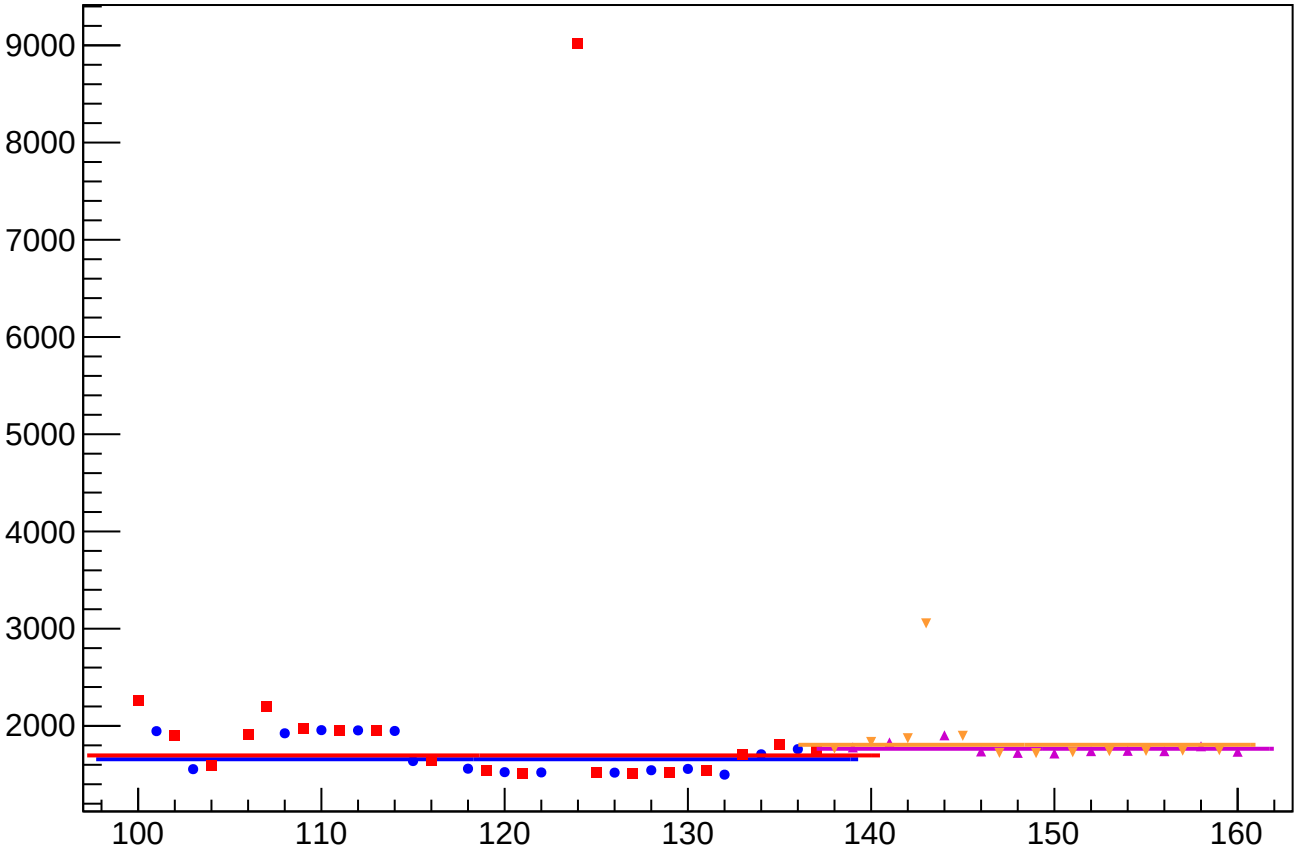
Left In: 737.660+/-571.091 χ^2/NDF:4.7/10

+ sign 700.022+/-426.977 χ^2/NDF: 35.4/27

All: 640.339+/-300.943 χ^2/NDF: 64.4/57

- 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: 1805.672+/-0.416 χ^2/NDF:298596.8/11

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

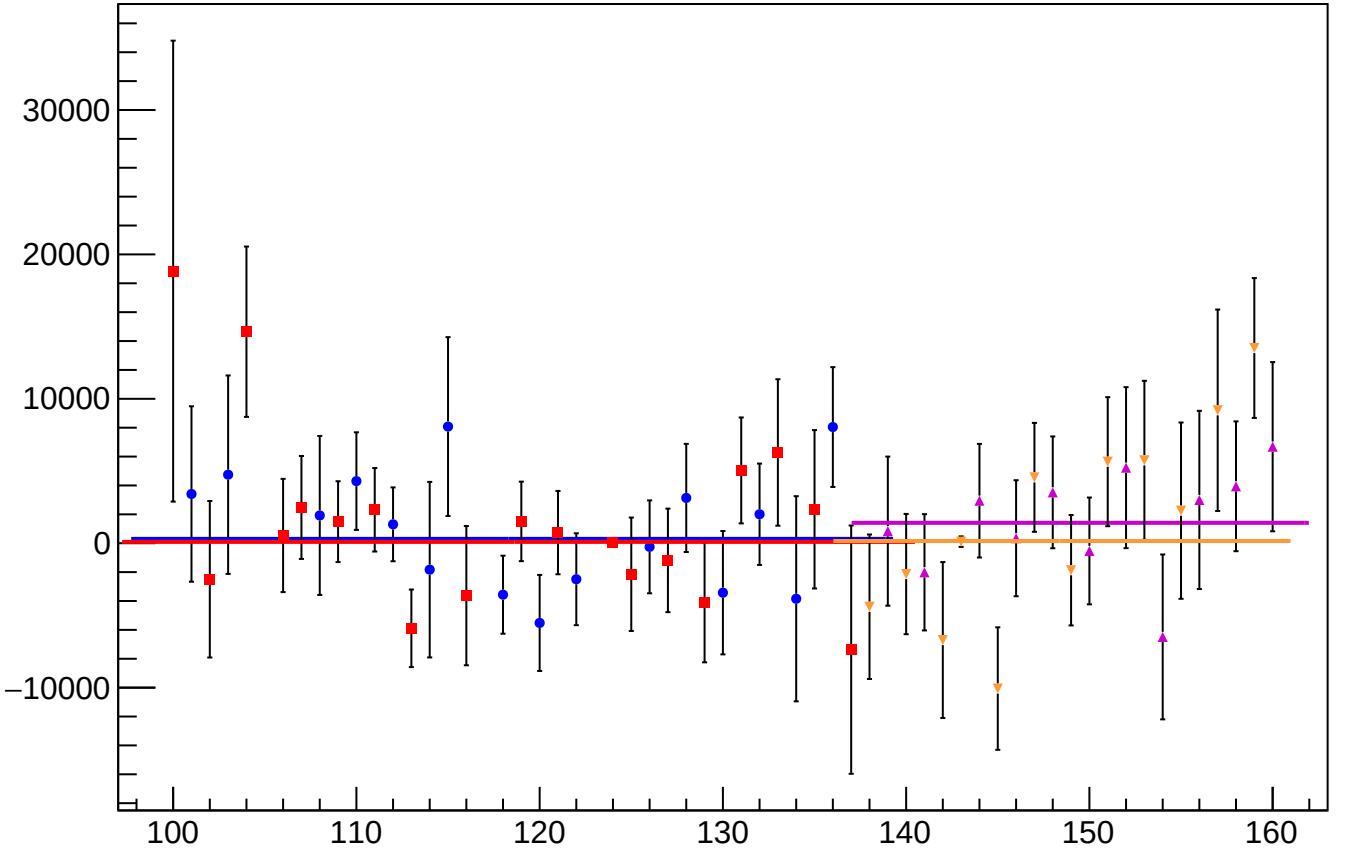
Left In: 1764.897+/-0.404 χ^2/NDF:16529.1/10

+ sign 1735.196+/-0.302 χ^2/NDF: 502944.5/27

All: 1734.632+/-0.213 χ^2/NDF: 920392.7/57

- sign 1734.076+/-0.299 χ^2/NDF: 417441.3/29

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 154.411+/-352.611 χ^2/NDF:22.2/11

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

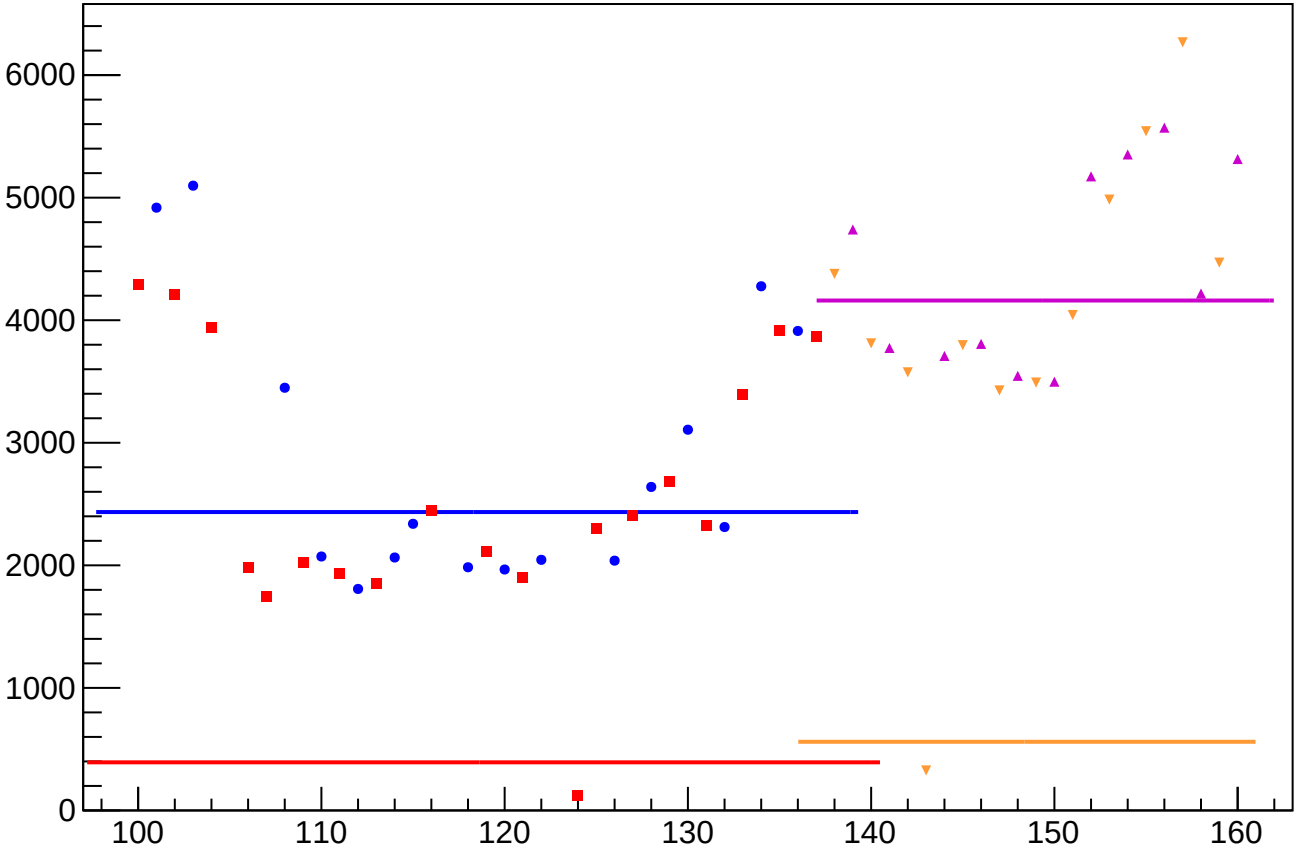
Left In: 1412.219+/-1369.082 χ^2/NDF:5.1/10

+ sign 171.906+/-331.029 χ^2/NDF: 37.5/27

All: 164.933+/-225.366 χ^2/NDF: 64.1/57

- 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: 560.367+/-0.249 χ^2/NDF:13808002.6/11

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

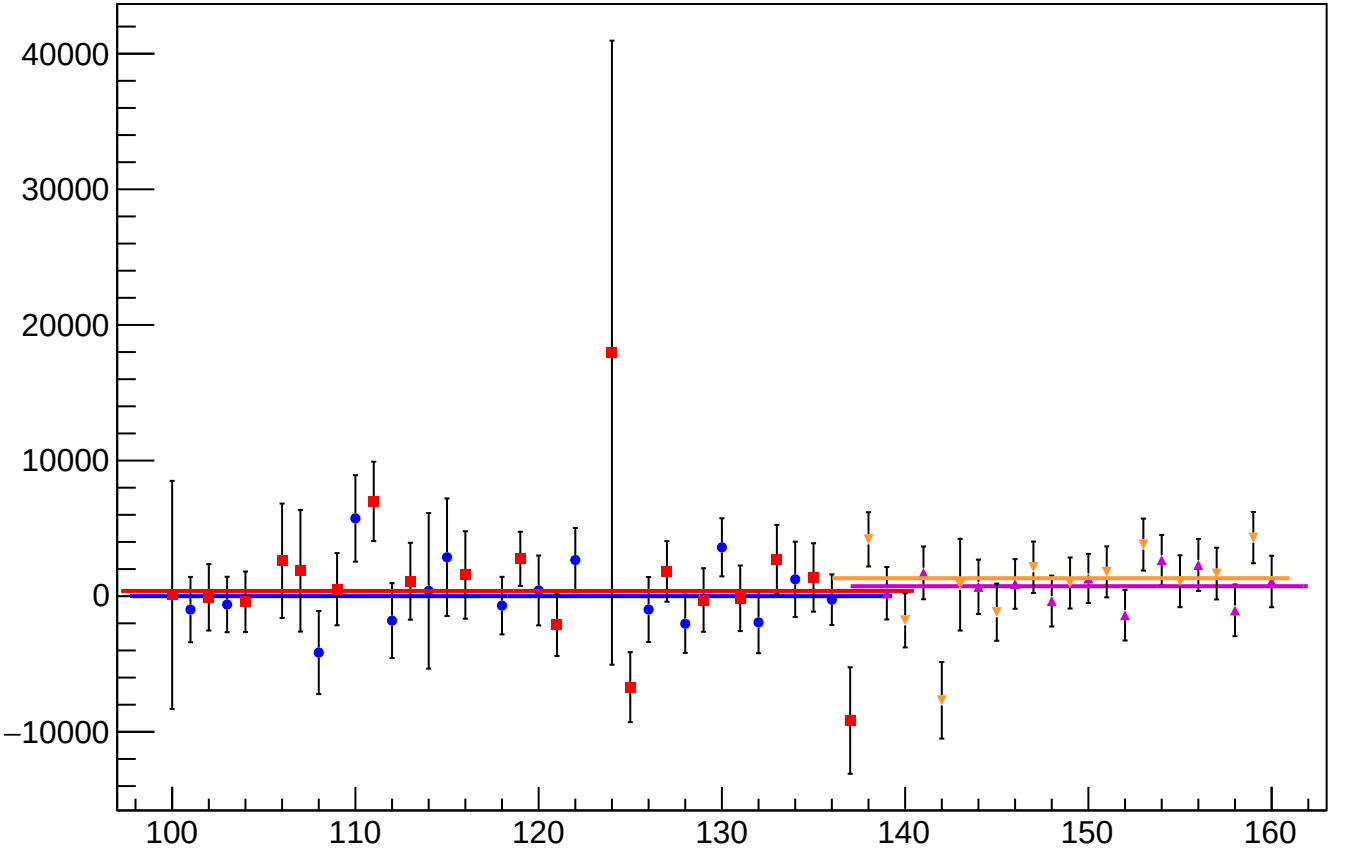
Left In: 4160.758+/-0.968 χ^2/NDF:535995.2/10

+ sign 782.795+/-0.234 χ^2/NDF: 21970391.6/27

All: 675.590+/-0.159 χ^2/NDF: 48690247.6/57

- 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: 1328.017+/-588.957 χ^2/NDF:20.6/11

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

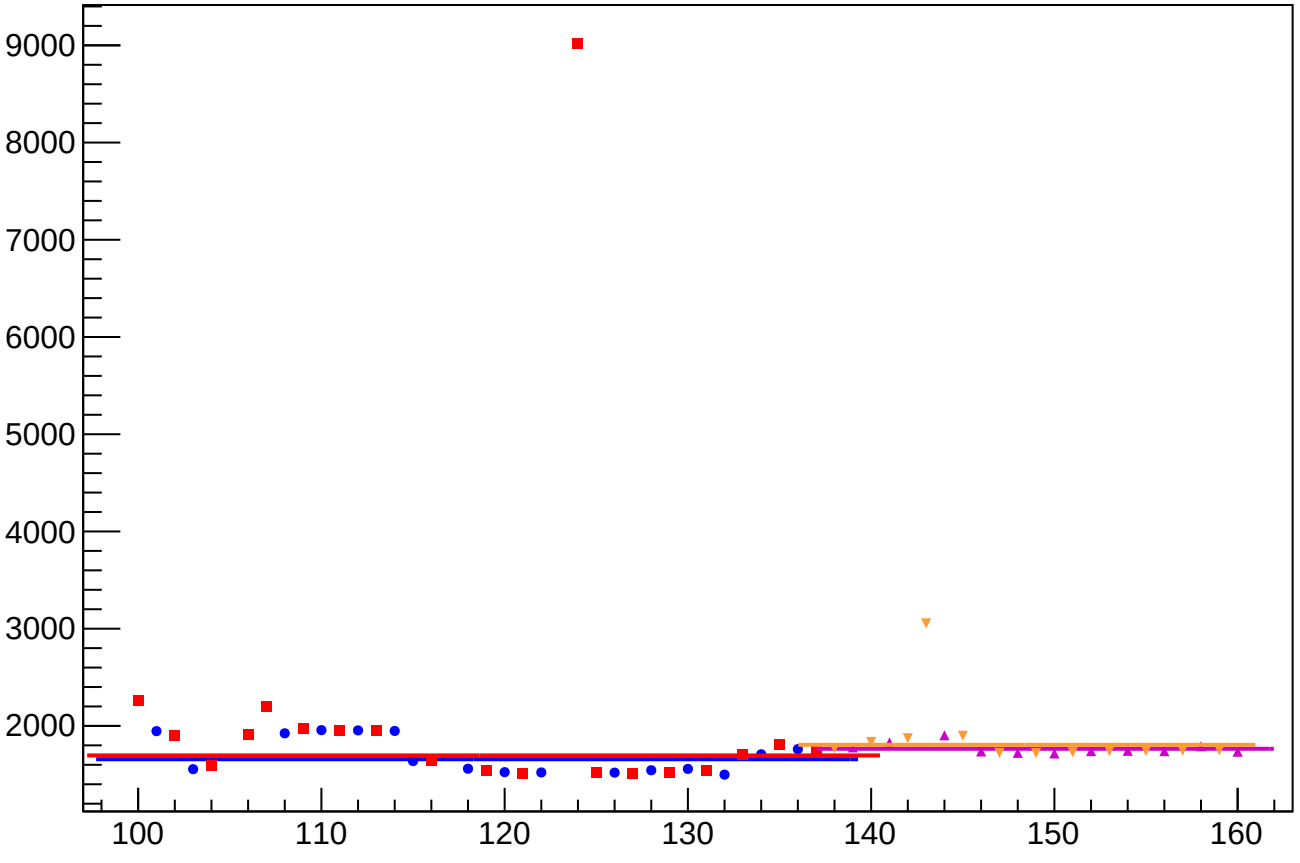
Left In: 737.660+/-571.091 χ^2/NDF:4.7/10

+ sign 700.022+/-426.977 χ^2/NDF: 35.4/27

All: 640.339+/-300.943 χ^2/NDF: 64.4/57

- 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: 1805.672+/-0.416 χ^2/NDF:298596.8/11

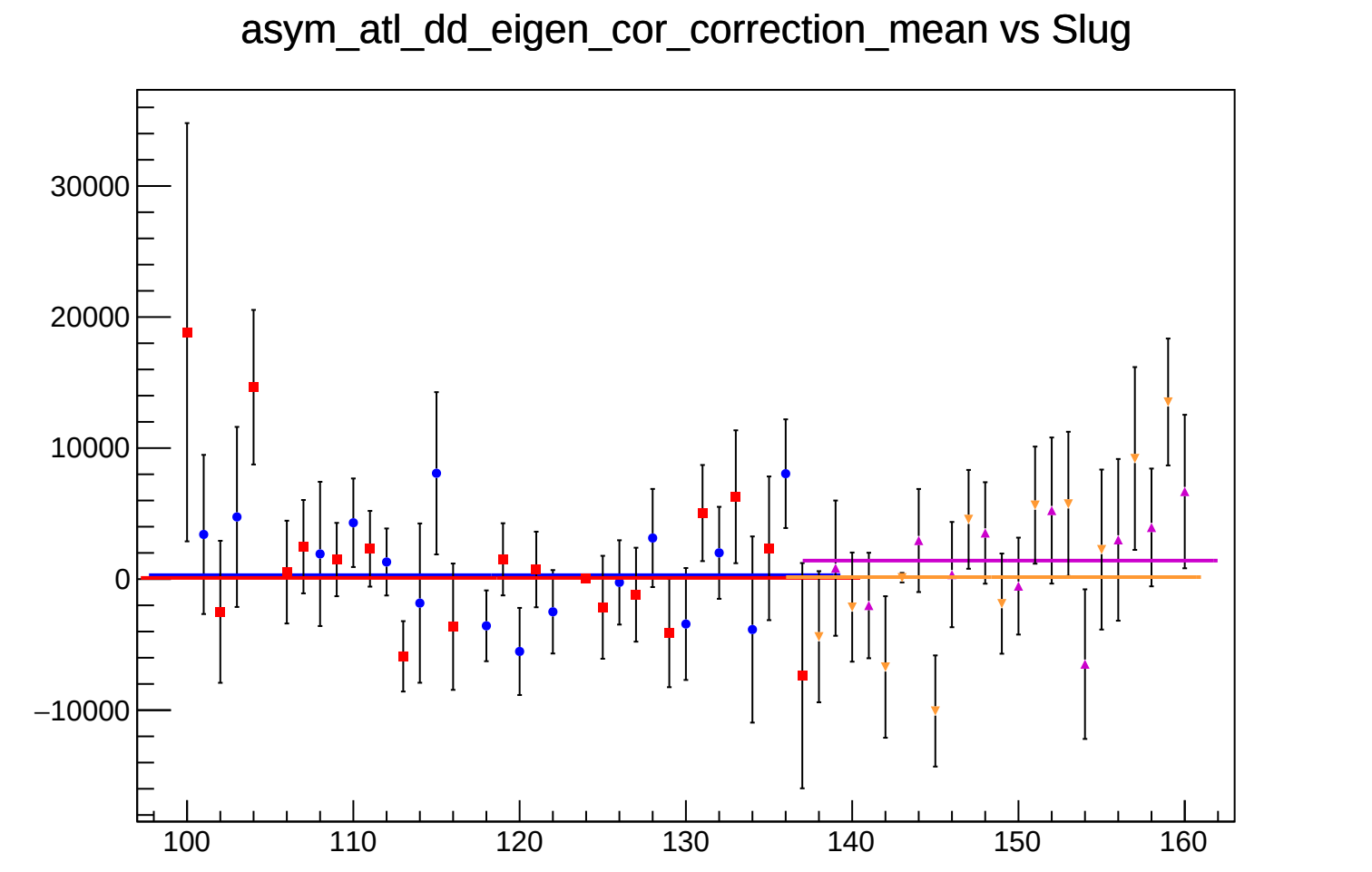
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1764.897+/-0.404 χ^2/NDF:16529.1/10

+ sign 1735.196+/-0.302 χ^2/NDF: 502944.5/27

All: 1734.632+/-0.213 χ^2/NDF: 920392.7/57

- 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: 154.411+/-352.611 χ^2/NDF:22.2/11

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

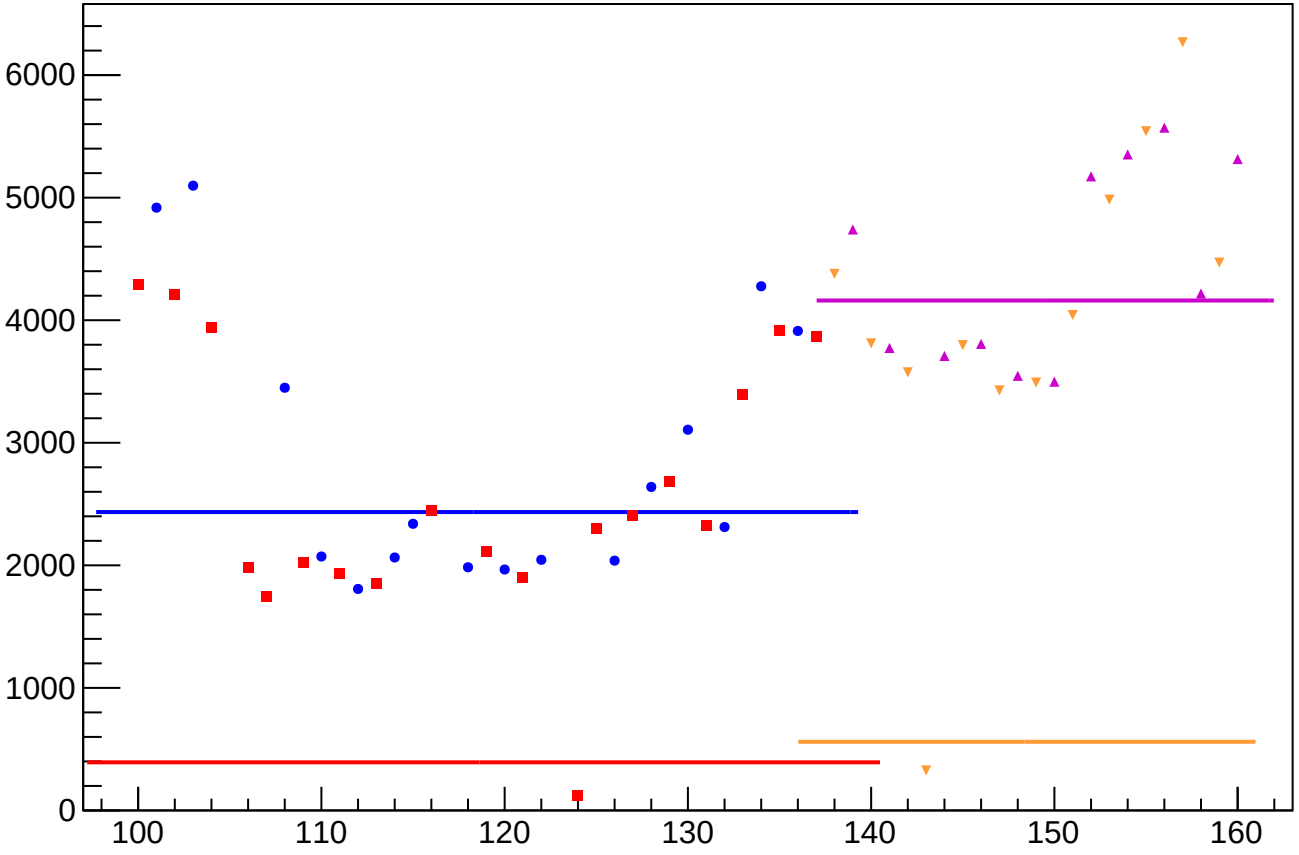
Left In: 1412.219+/-1369.082 χ^2/NDF:5.1/10

+ sign 171.906+/-331.029 χ^2/NDF: 37.5/27

All: 164.933+/-225.366 χ^2/NDF: 64.1/57

- sign 158.909+/-307.680 χ^2/NDF: 26.6/29

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 560.367+/-0.249 χ^2/NDF:13808002.6/11

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

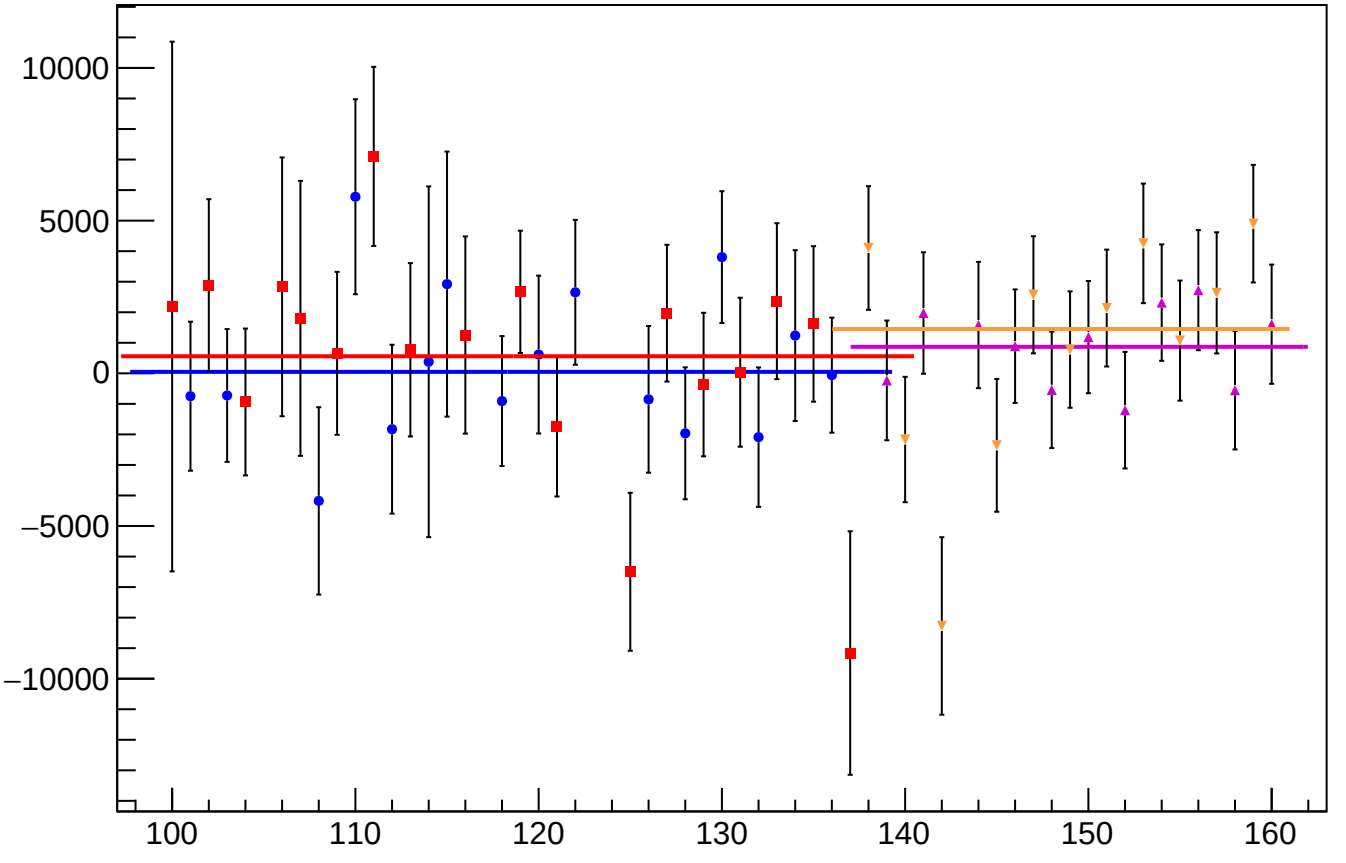
Left In: 4160.758+/-0.968 χ^2/NDF:535995.2/10

+ sign 782.795+/-0.234 χ^2/NDF: 21970391.6/27

All: 675.590+/-0.159 χ^2/NDF: 48690247.6/57

- 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: 1452.158+/-611.437 χ^2/NDF:25.3/10

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

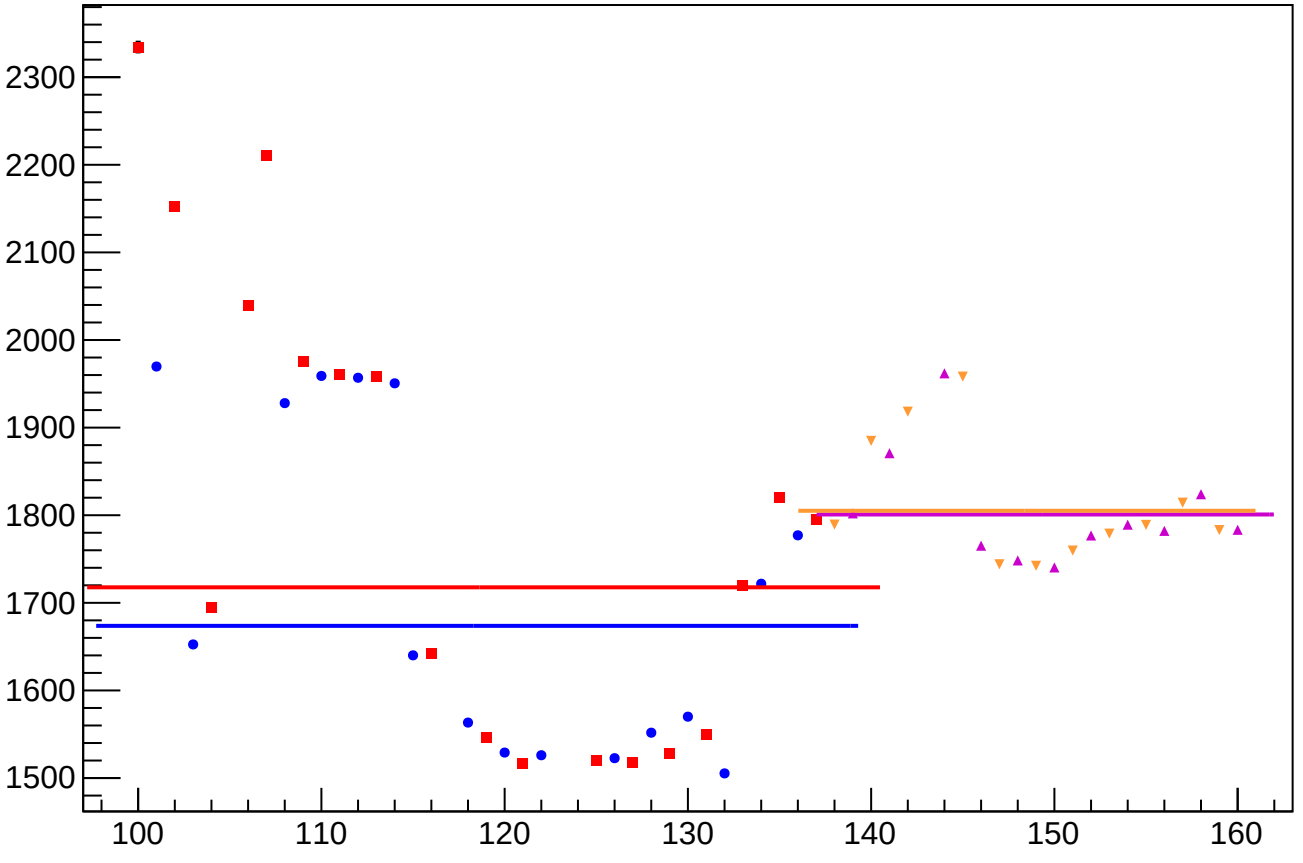
Left In: 868.224+/-582.805 χ^2/NDF:4.6/10

+ sign 766.932+/-437.461 χ^2/NDF: 40.7/26

All: 748.041+/-307.568 χ^2/NDF: 68.8/55

- 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: 1805.089+/-0.432 χ^2/NDF:22219.6/10

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

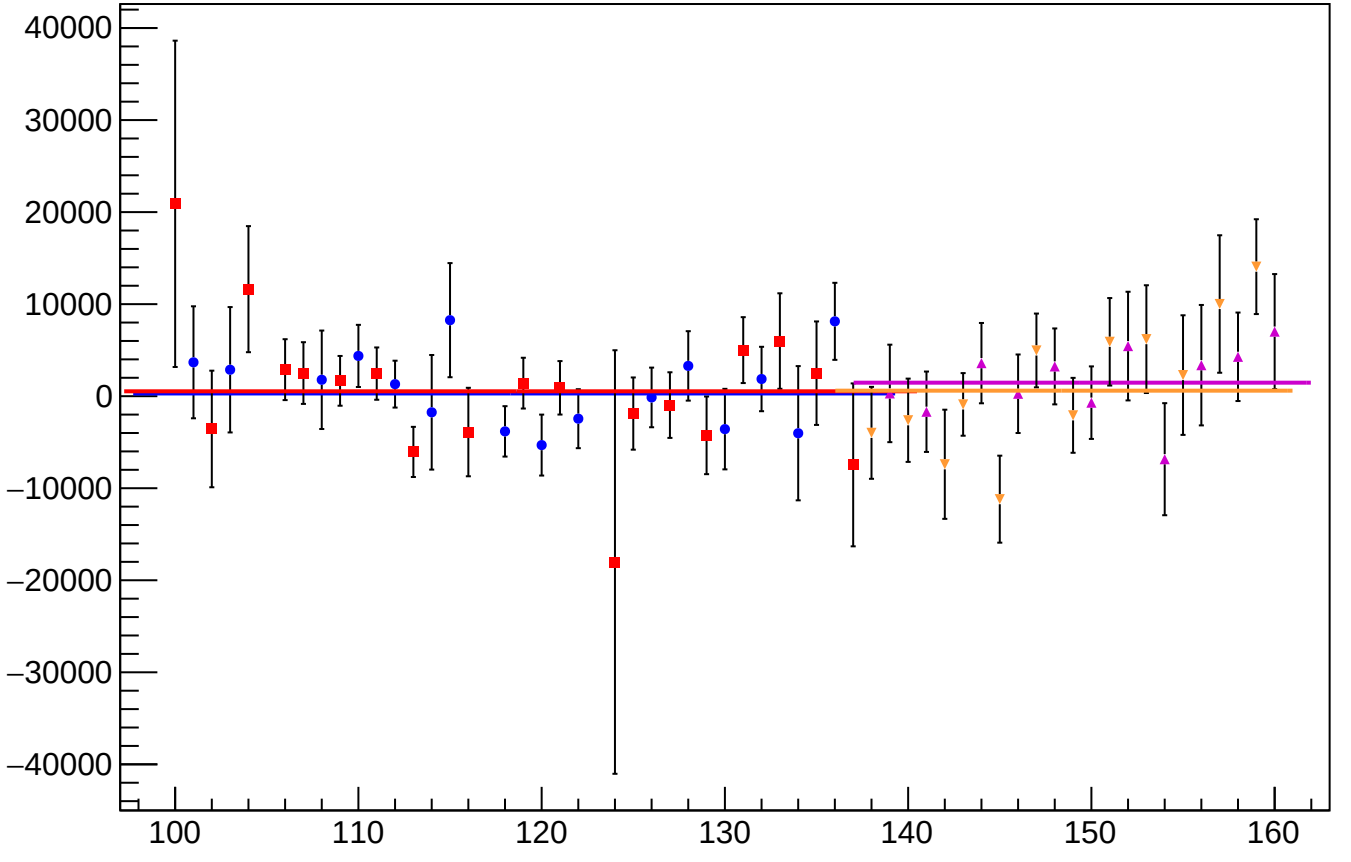
Left In: 1800.855+/-0.412 χ^2/NDF:20047.7/10

+ sign 1740.970+/-0.309 χ^2/NDF: 208150.8/26

All: 1752.328+/-0.217 χ^2/NDF: 476836.3/55

- 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: 599.655+/-1381.630 χ^2/NDF:21.9/11

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

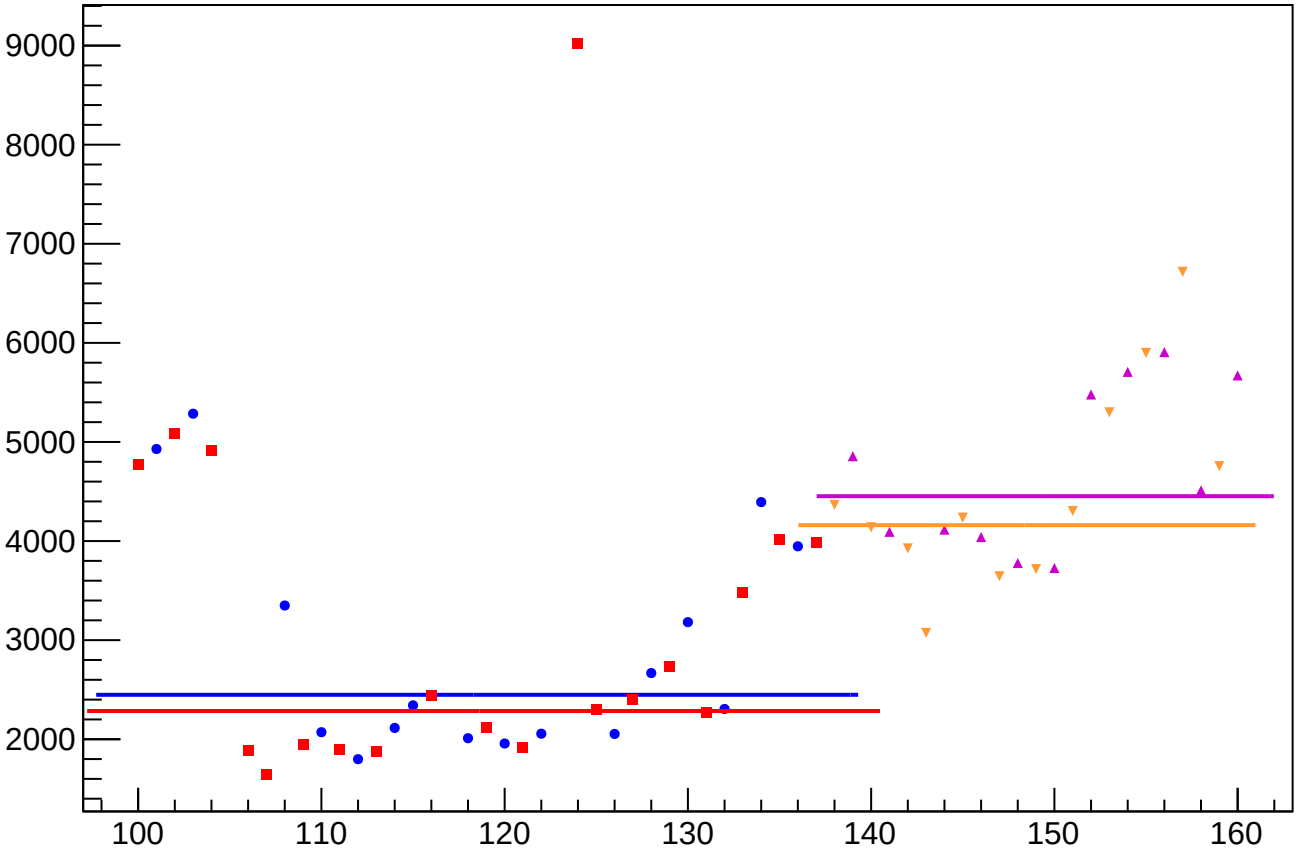
Left In: 1468.030+/-1463.936 χ^2/NDF:4.9/10

+ sign 395.865+/-790.956 χ^2/NDF: 37.2/27

All: 597.143+/-546.783 χ^2/NDF: 61.3/57

- 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: 4160.679+/-0.977 χ^2/NDF:750010.9/11

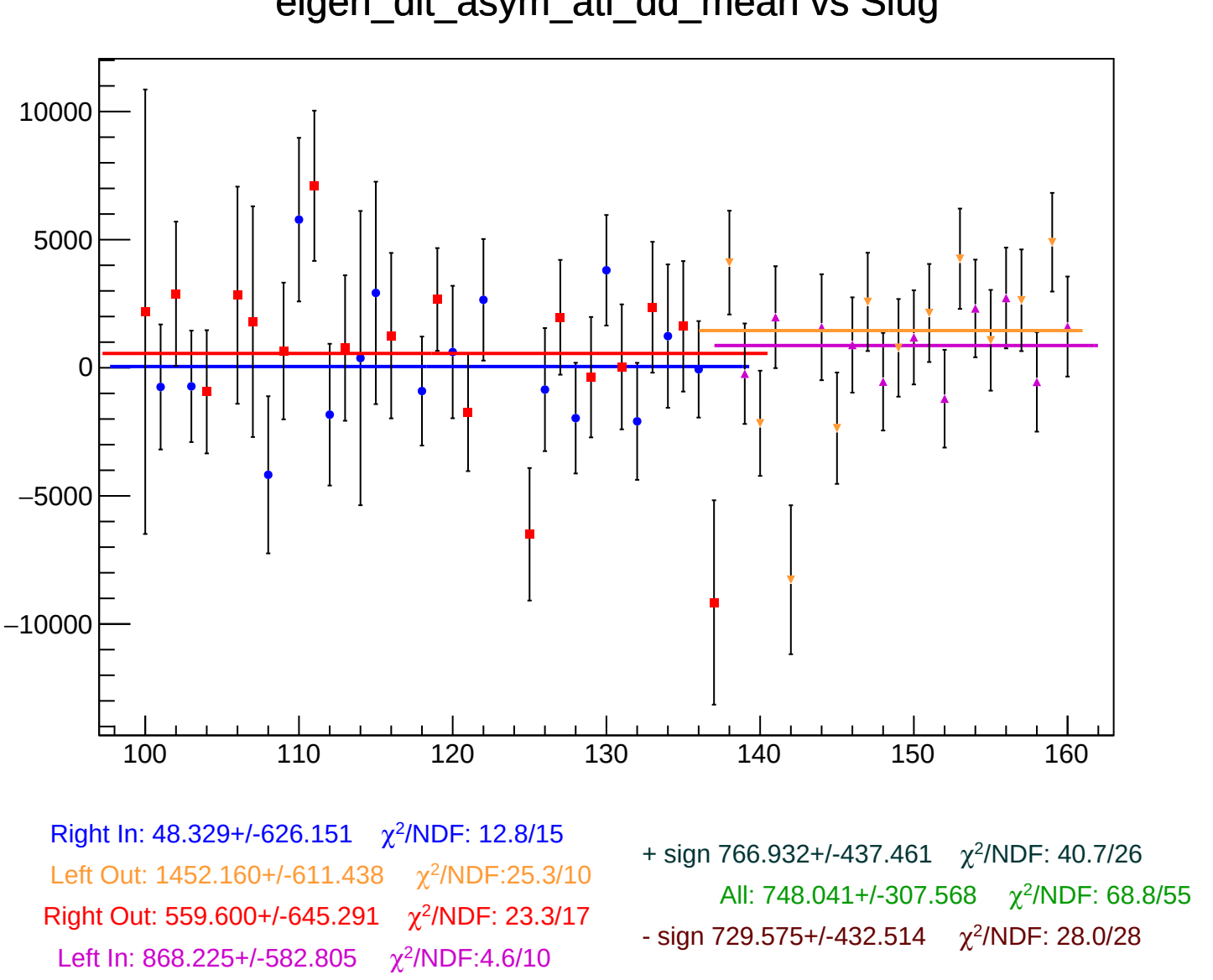
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4452.757+/-1.035 χ^2/NDF:497392.4/10

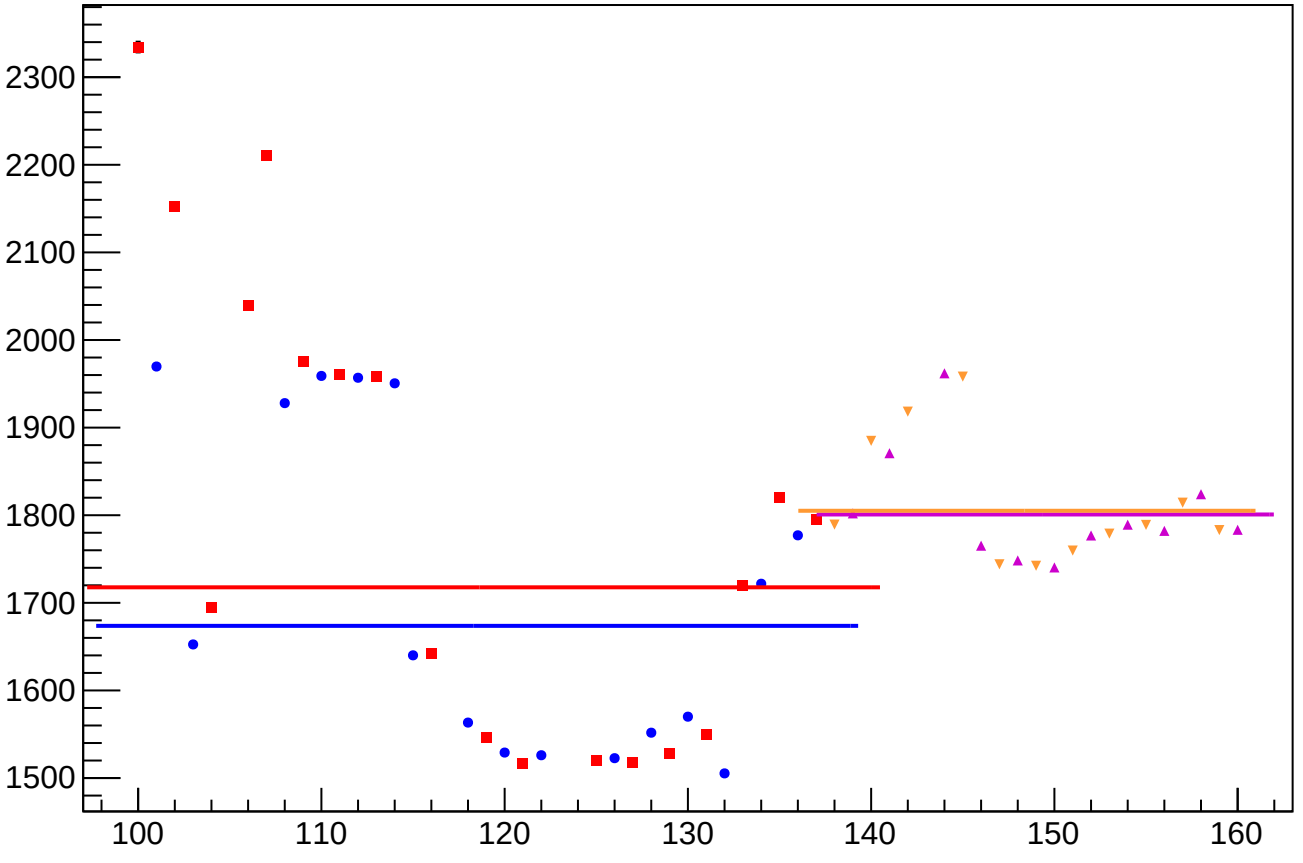
+ sign 3009.705+/-0.559 χ^2/NDF: 4332198.2/27

All: 2933.766+/-0.387 χ^2/NDF: 9627145.6/57

- sign 2864.259+/-0.535 χ^2/NDF: 5259637.3/29


eigen_dit_asym_atl_dd_mean vs Slug
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 48.329+/-626.151 χ²/NDF: 12.8/15
Left Out: 1452.160+/-611.438 χ²/NDF:25.3/10
Right Out: 559.600+/-645.291 χ²/NDF: 23.3/17
Left In: 868.225+/-582.805 χ²/NDF:4.6/10
+ sign 766.932+/-437.461 χ²/NDF: 40.7/26
All: 748.041+/-307.568 χ²/NDF: 68.8/55
- sign 729.575+/-432.514 χ²/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: 1805.090+/-0.432 χ^2/NDF:22220.1/10

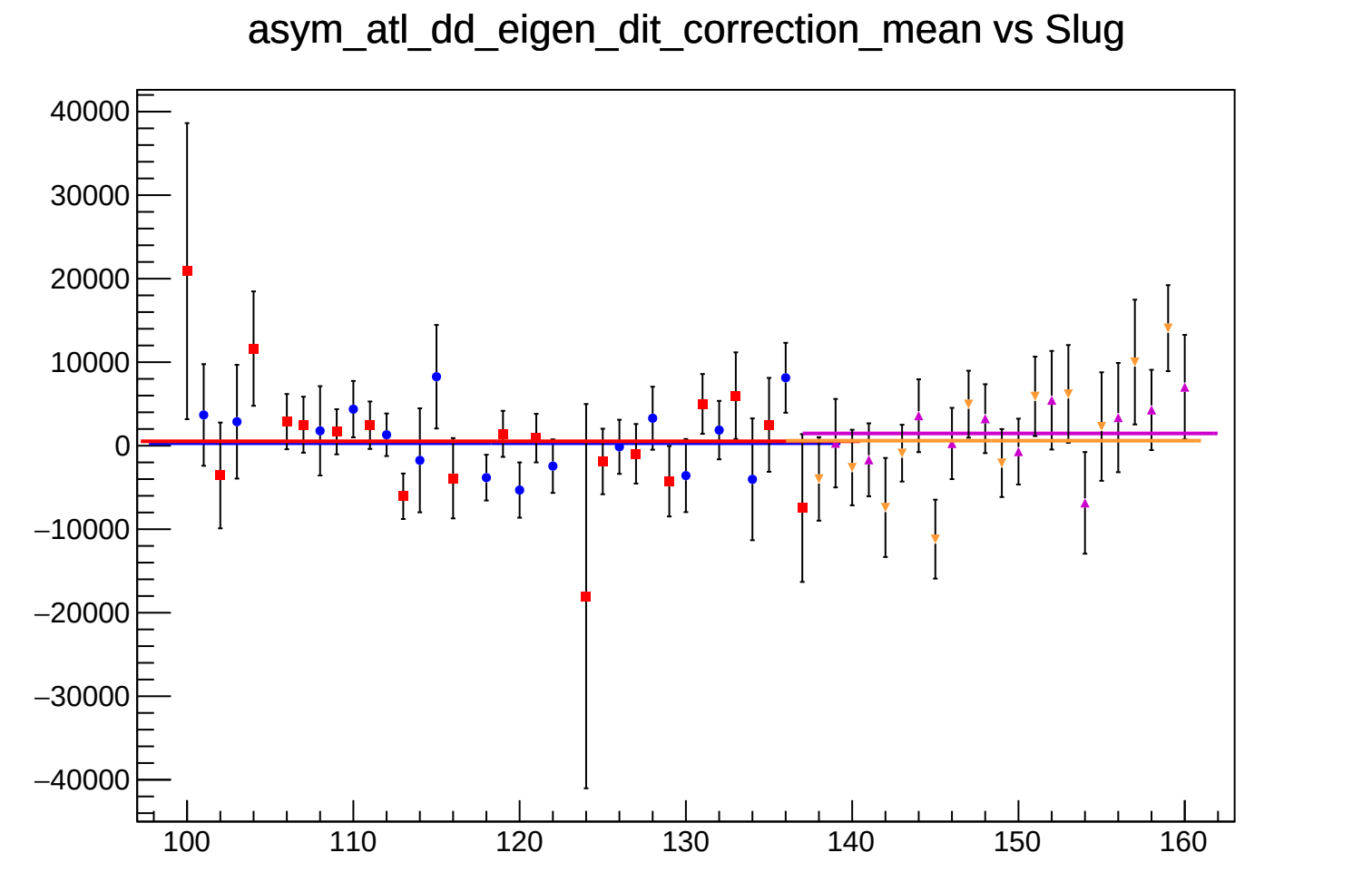
Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1800.856+/-0.412 χ^2/NDF:20047.9/10

+ sign 1740.970+/-0.309 χ^2/NDF: 208152.1/26

All: 1752.329+/-0.217 χ^2/NDF: 476837.6/55

- sign 1763.409+/-0.306 χ^2/NDF: 266022.0/28



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 599.660+/-1381.632 χ^2/NDF:21.9/11

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

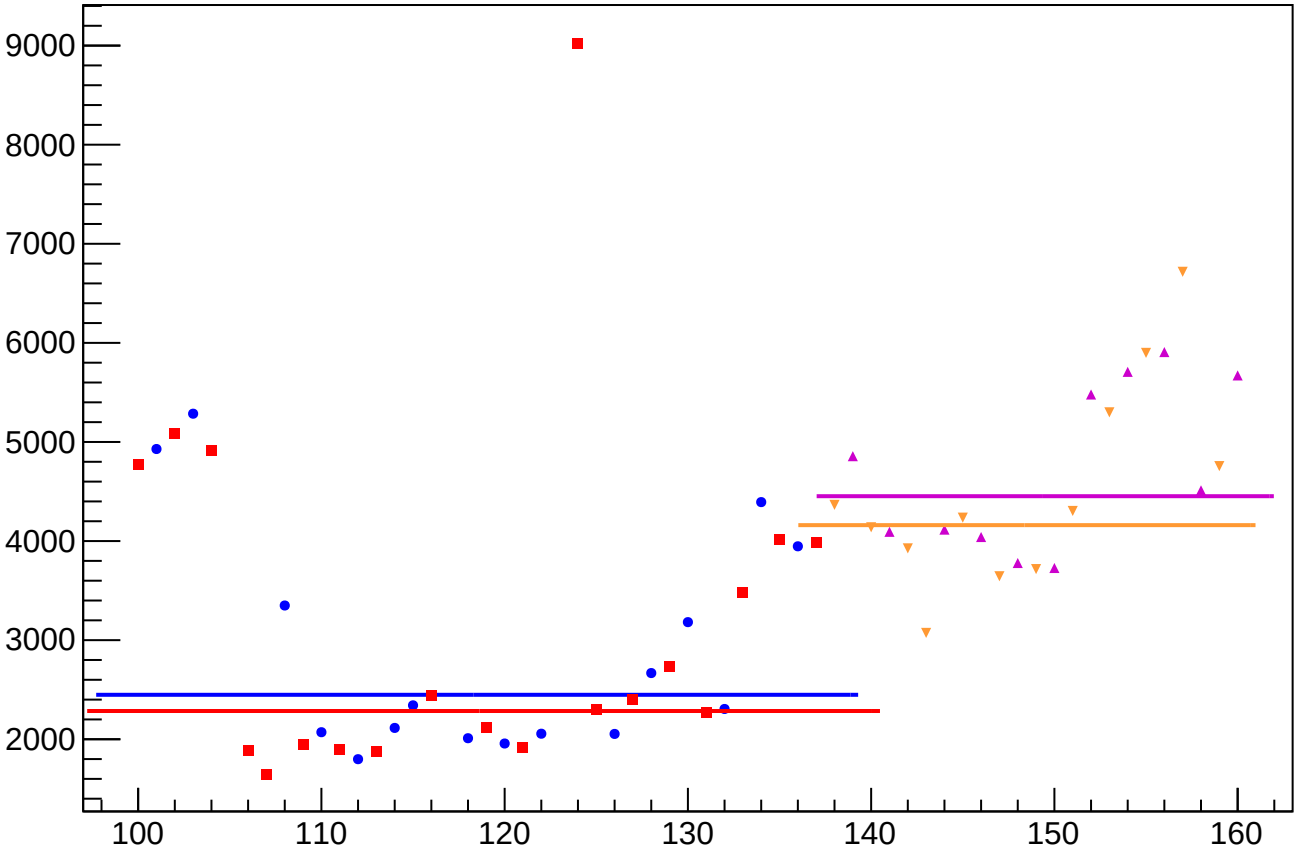
Left In: 1468.031+/-1463.938 χ^2/NDF:4.9/10

\+ sign 395.862+/-790.955 χ^2/NDF: 37.2/27

All: 597.141+/-546.782 χ^2/NDF: 61.3/57

\- 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: 4160.684+/-0.977 χ^2/NDF:750015.0/11

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

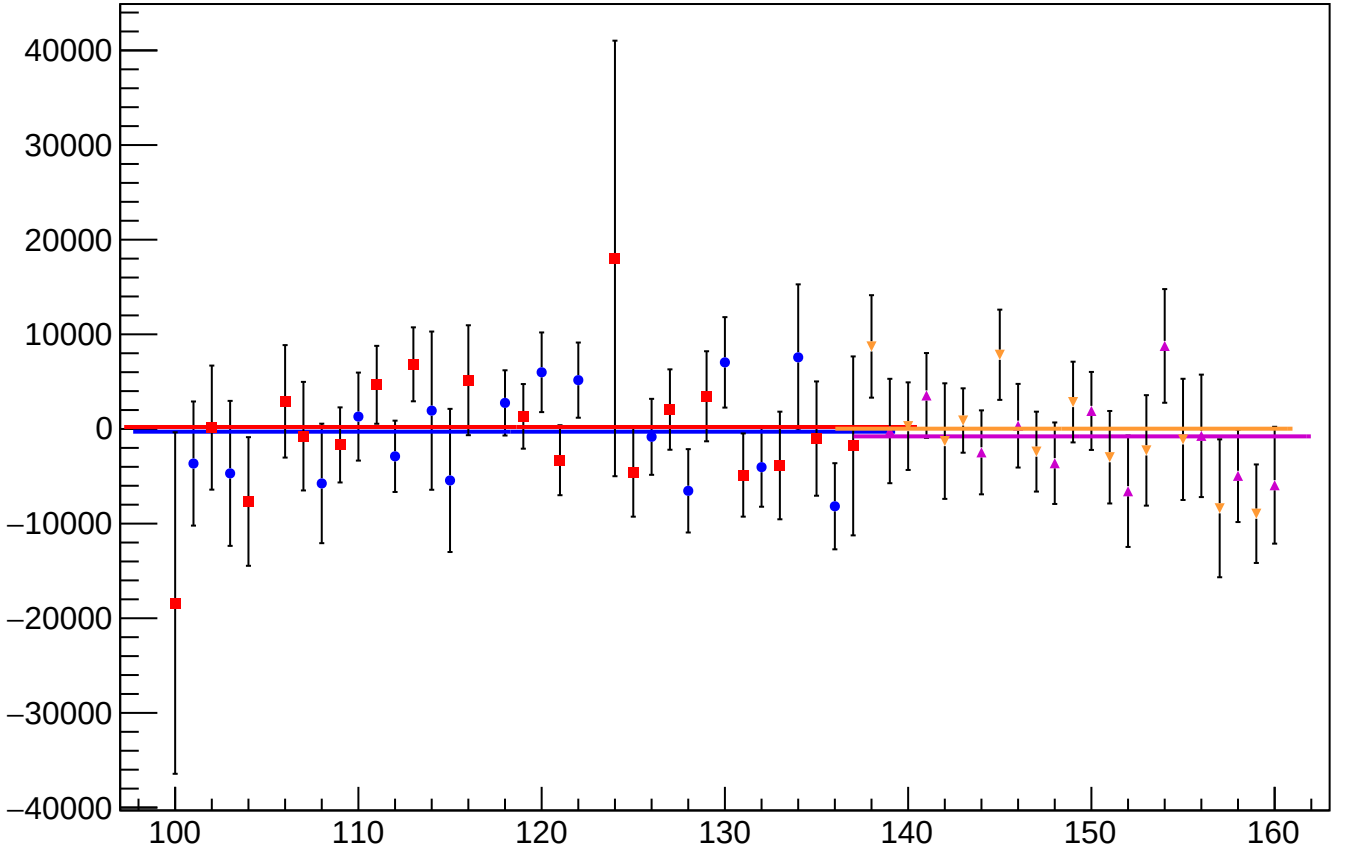
Left In: 4452.762+/-1.035 χ^2/NDF:497394.9/10

+ sign 3009.696+/-0.559 χ^2/NDF: 4332253.8/27

All: 2933.756+/-0.387 χ^2/NDF: 9627253.0/57

- 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: 29.546+/-1413.415 χ^2/NDF:11.0/11

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

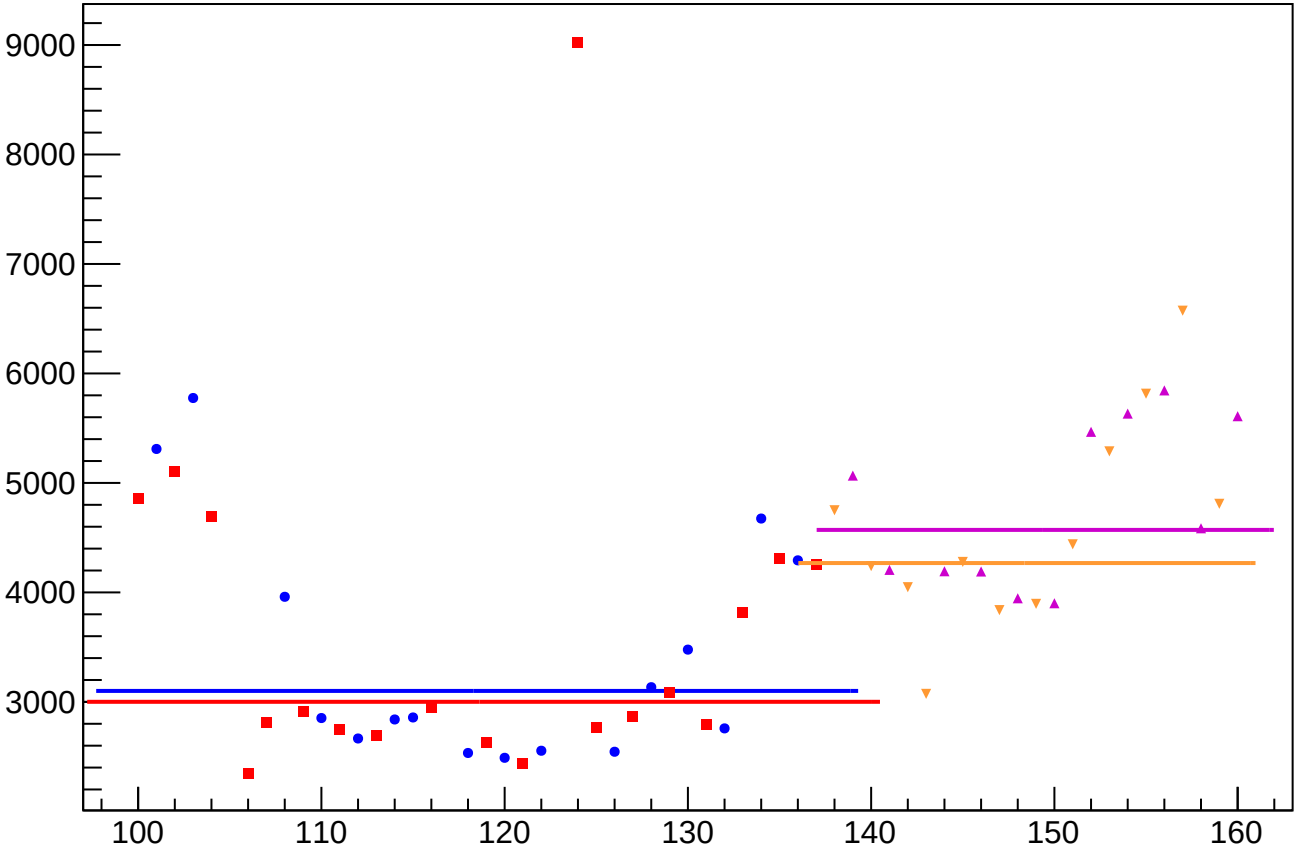
Left In: -782.200+/-1497.188 χ^2/NDF:6.9/10

+ sign -154.908+/-913.595 χ^2/NDF: 27.6/27

All: -157.457+/-646.108 χ^2/NDF: 47.7/57

- 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: 4268.136+/-0.999 χ^2/NDF:703549.2/11

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

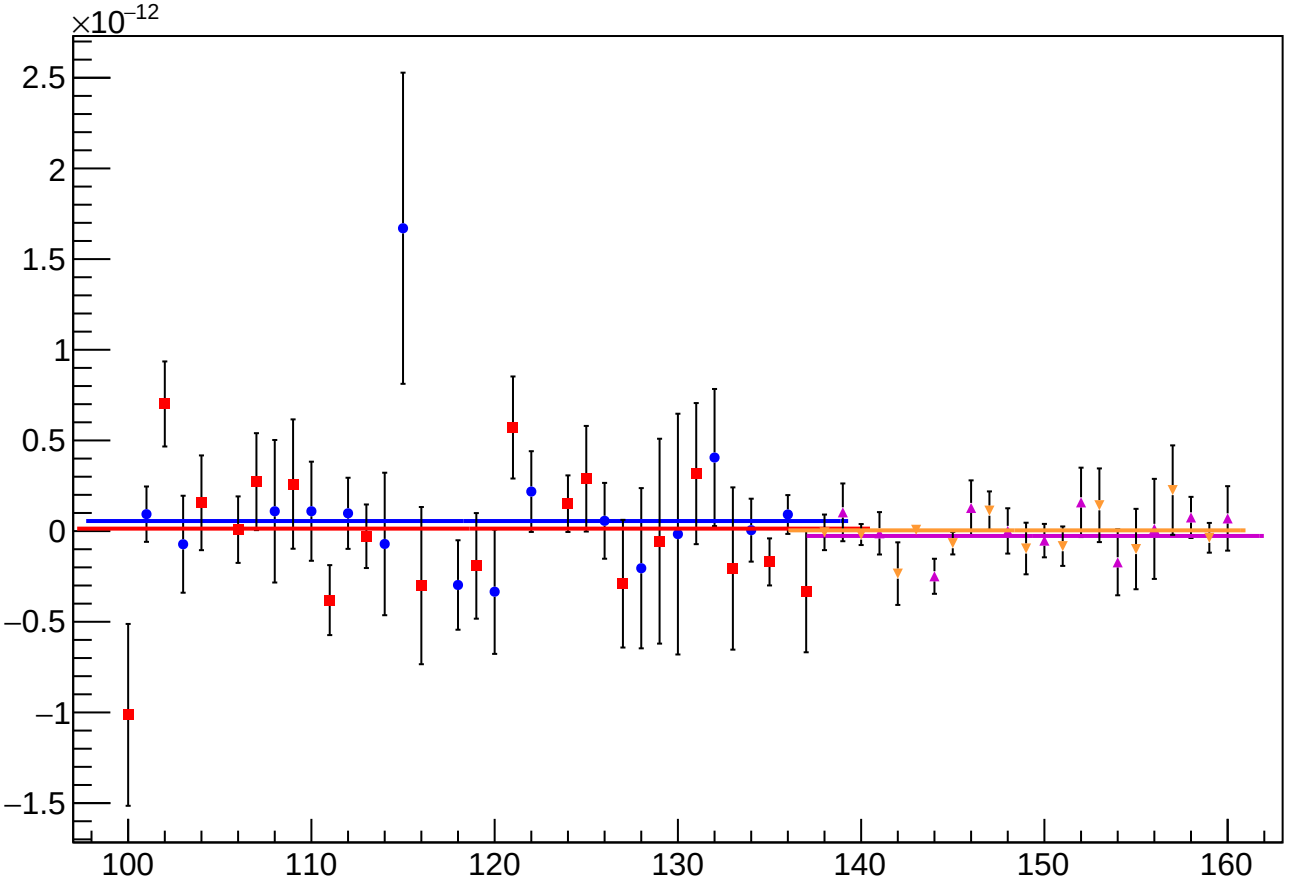
Left In: 4570.945+/-1.059 χ^2/NDF:396724.5/10

+ sign 3588.124+/-0.646 χ^2/NDF: 2462371.9/27

All: 3581.928+/-0.455 χ^2/NDF: 5060006.9/57

- 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:7.4/11

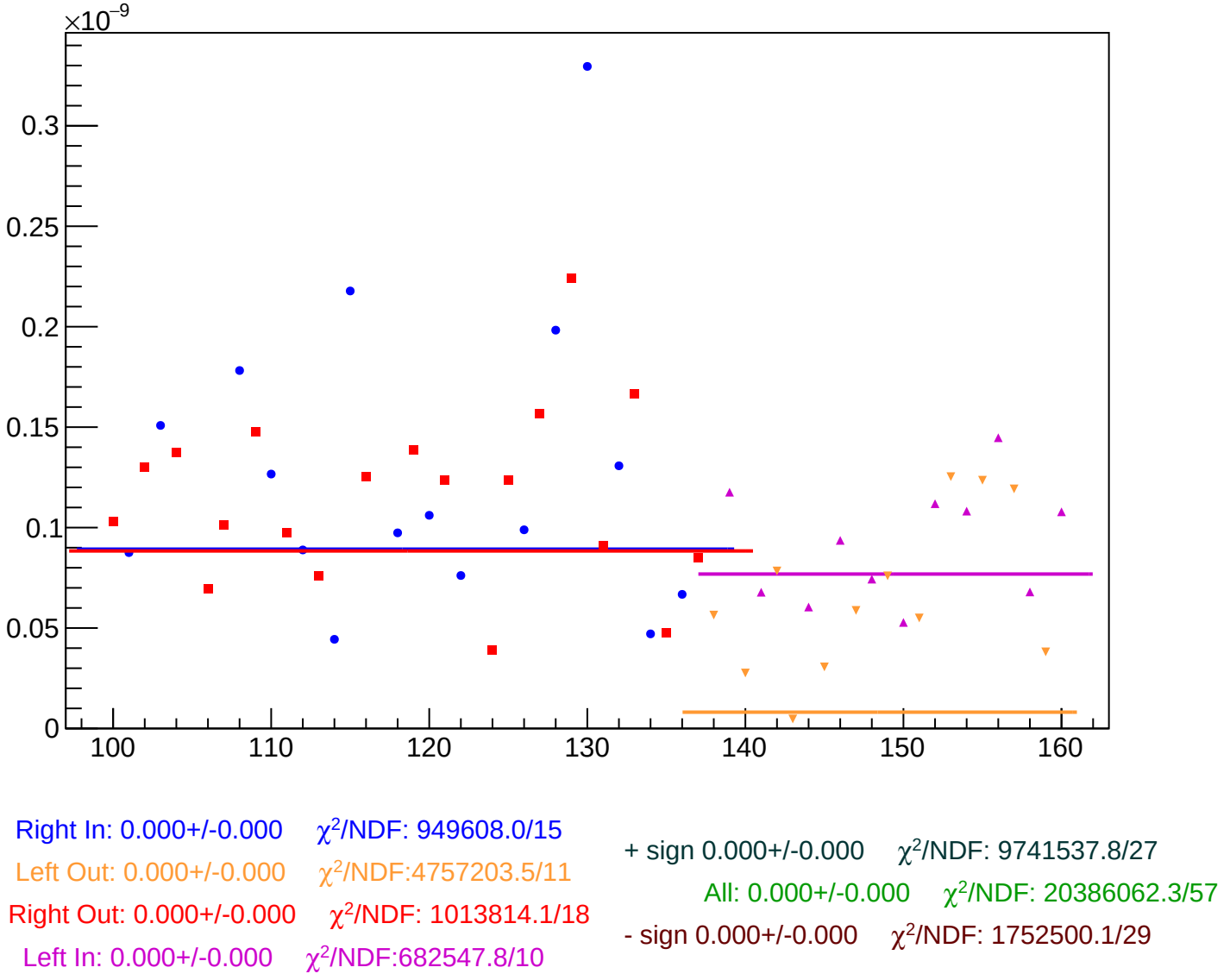
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.8/10

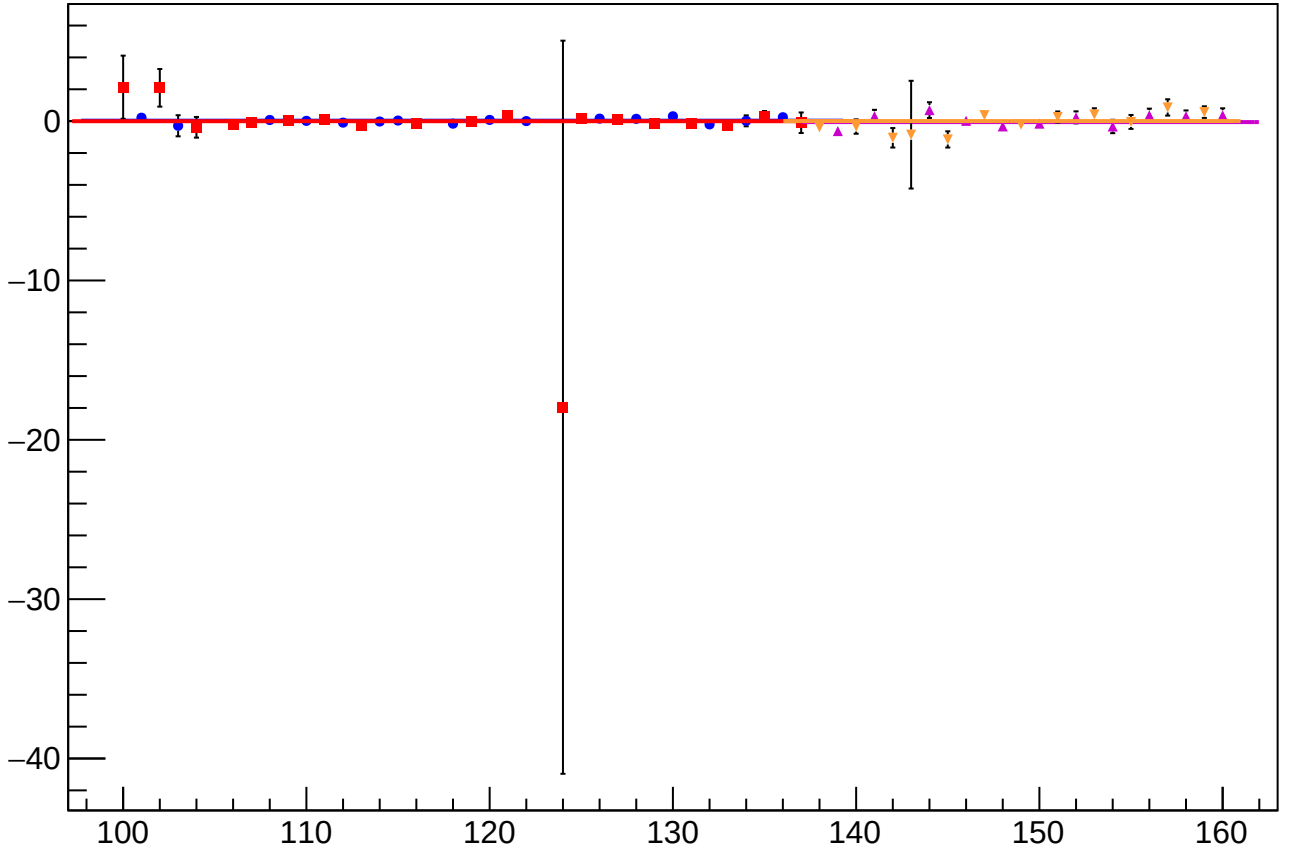
+ sign 0.000+/-0.000 χ^2/NDF: 17.6/27

All: 0.000+/-0.000 χ^2/NDF: 58.1/57

- sign -0.000+/-0.000 χ^2/NDF: 40.2/29


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 949608.0/15
Left Out: 0.000+/-0.000 χ²/NDF:4757203.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 1013814.1/18
Left In: 0.000+/-0.000 χ²/NDF:682547.8/10
+ sign 0.000+/-0.000 χ²/NDF: 9741537.8/27
All: 0.000+/-0.000 χ²/NDF: 20386062.3/57
- sign 0.000+/-0.000 χ²/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: 0.005+/-0.114 χ^2/NDF:19.4/11

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

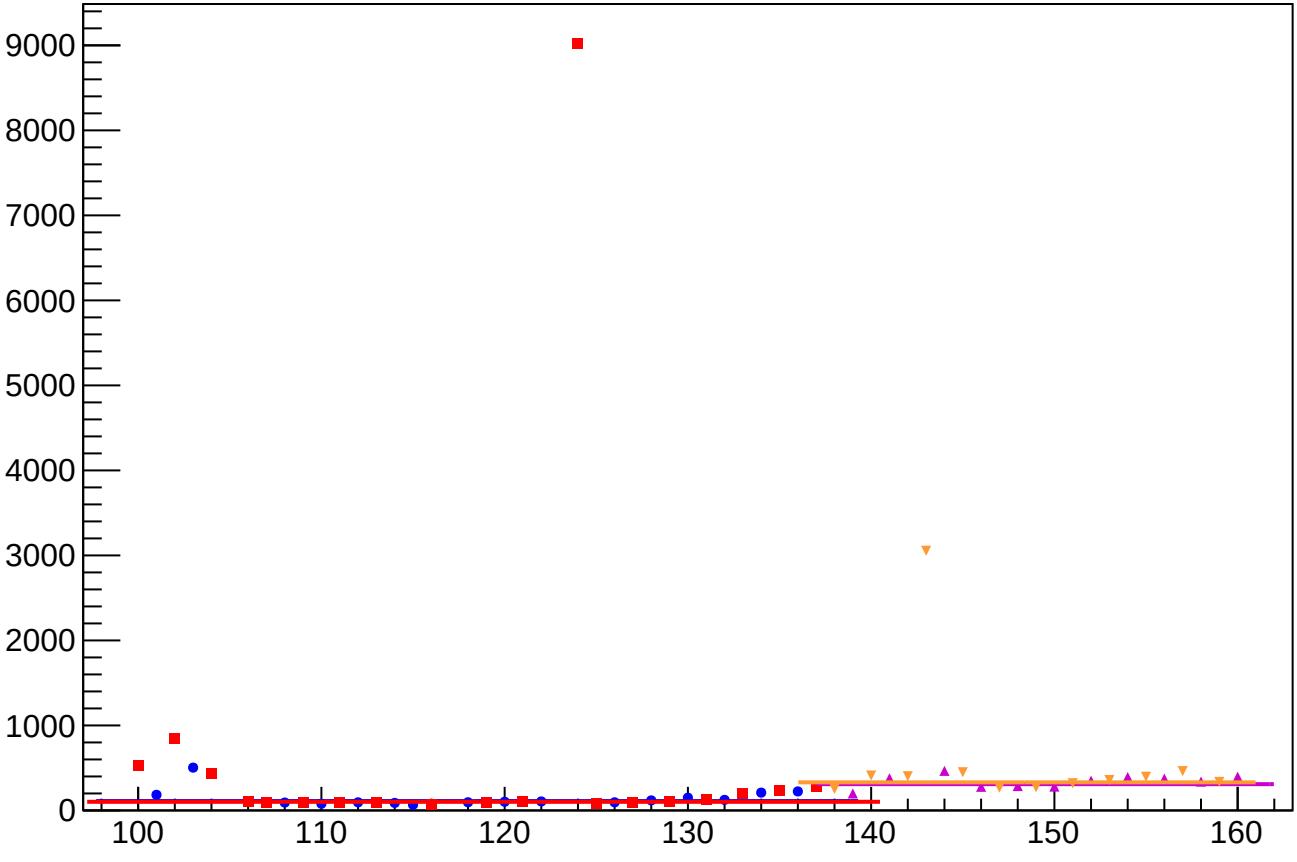
Left In: -0.060+/-0.104 χ^2/NDF:14.0/10

+ sign 0.025+/-0.042 χ^2/NDF: 28.3/27

All: 0.006+/-0.029 χ^2/NDF: 65.4/57

- sign -0.012+/-0.040 χ^2/NDF: 36.6/29

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 330.646+/-0.081 χ^2/NDF:1991195.2/11

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

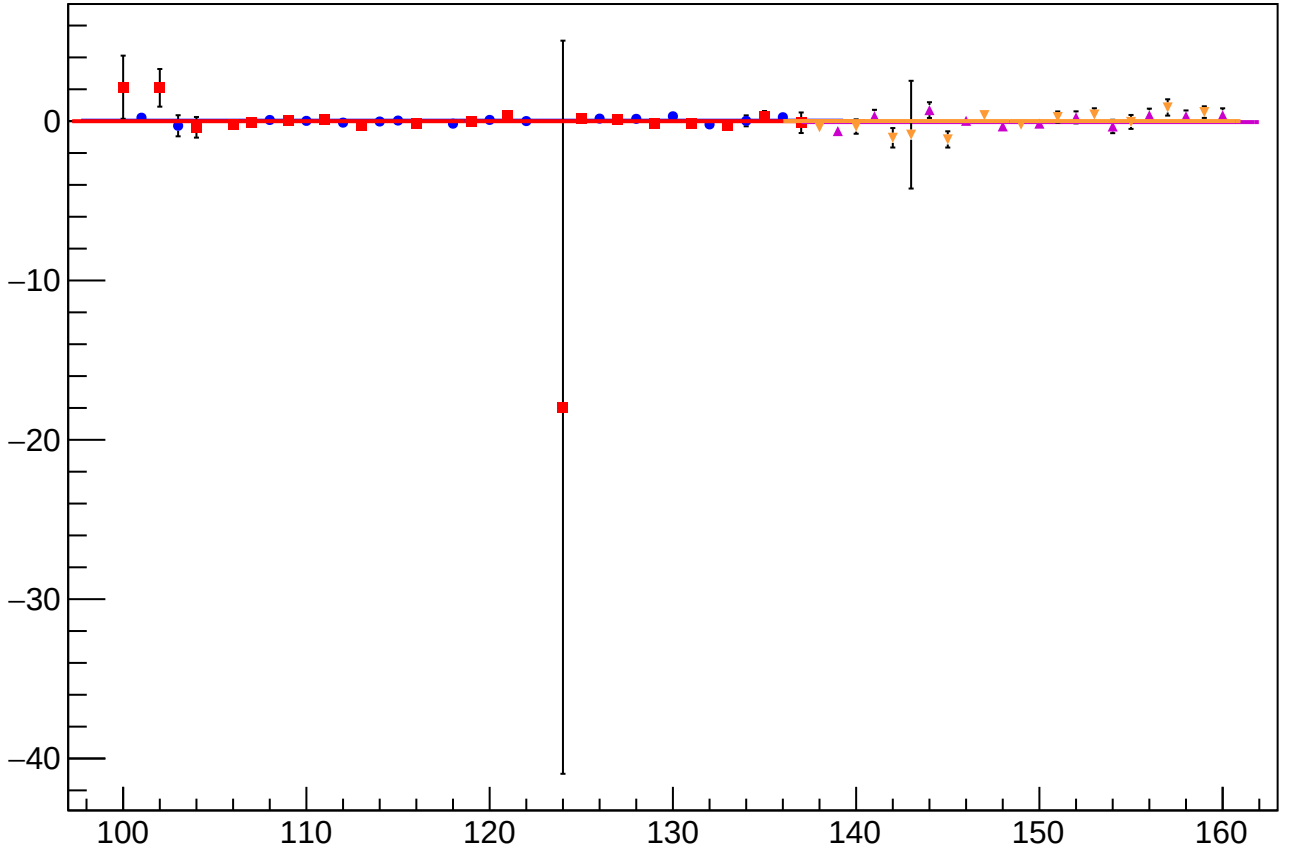
Left In: 309.276+/-0.074 χ^2/NDF:998840.1/10

+ sign 140.061+/-0.030 χ^2/NDF: 10388935.7/27

All: 136.131+/-0.021 χ^2/NDF: 20786994.0/57

- 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: 0.005+/-0.114 χ^2/NDF:19.4/11

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

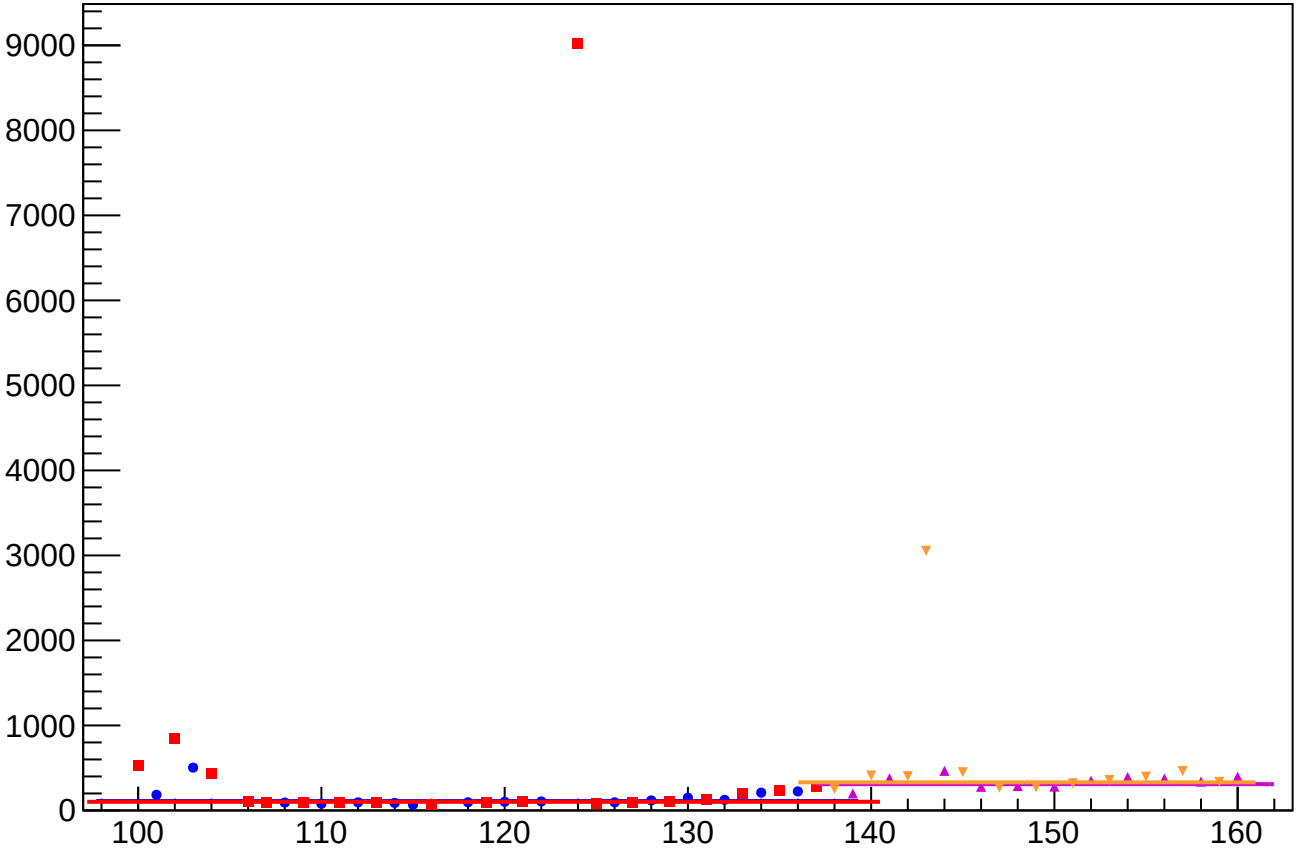
Left In: -0.060+/-0.104 χ^2/NDF:14.0/10

+ sign 0.025+/-0.042 χ^2/NDF: 28.3/27

All: 0.006+/-0.029 χ^2/NDF: 65.4/57

- 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: 330.646+/-0.081 χ^2/NDF:1991195.2/11

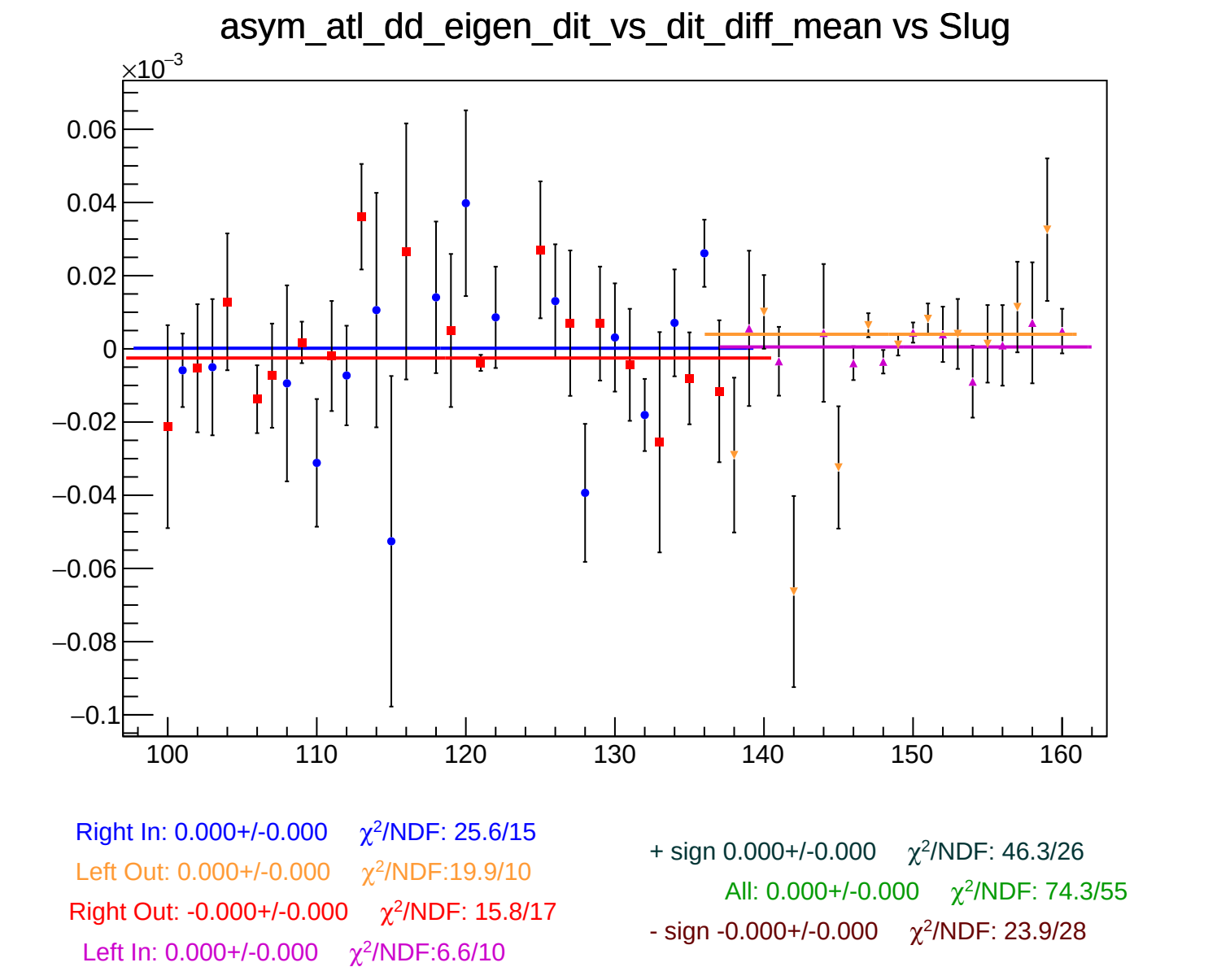
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 309.276+/-0.074 χ^2/NDF:998840.1/10

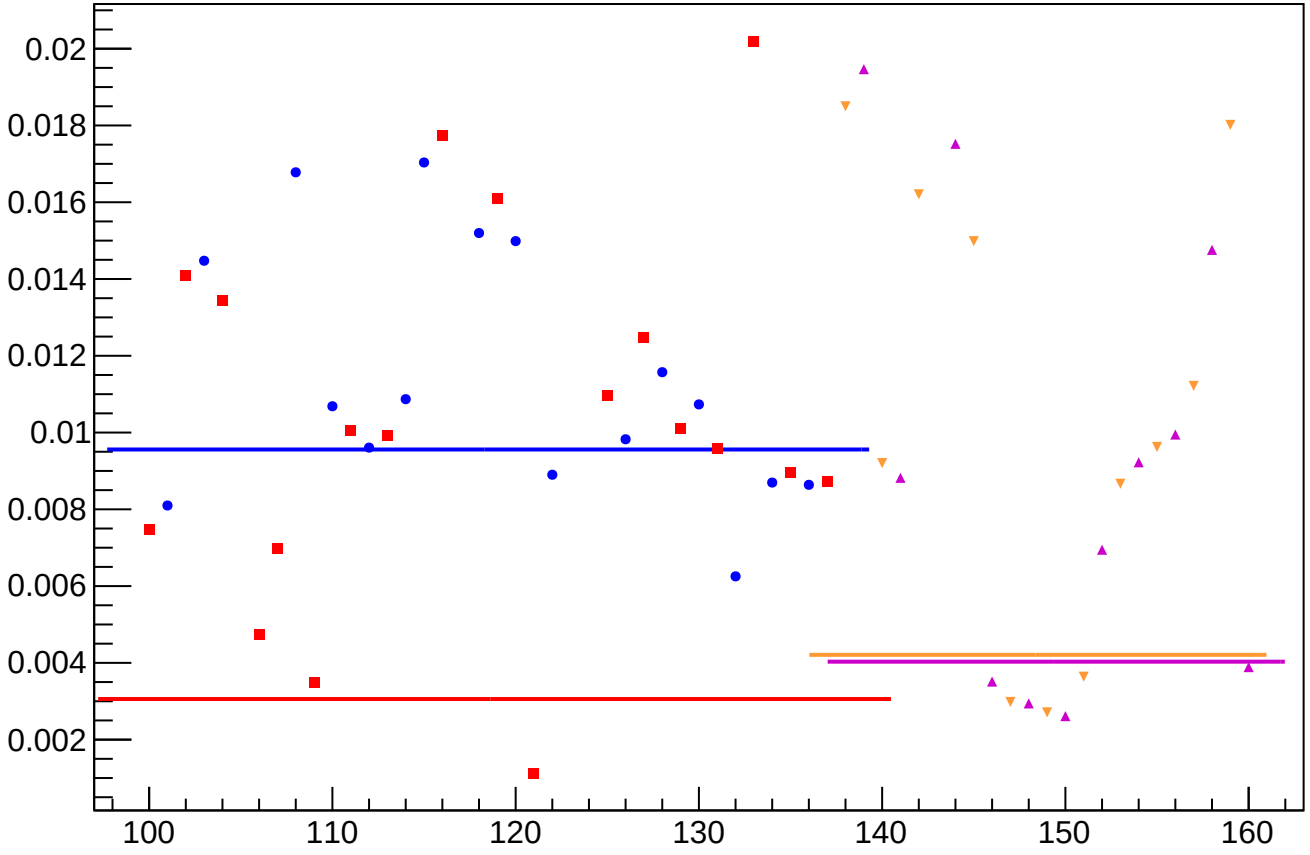
+ sign 140.061+/-0.030 χ^2/NDF: 10388935.7/27

All: 136.131+/-0.021 χ^2/NDF: 20786994.0/57

- sign 132.578+/-0.028 χ^2/NDF: 10364872.5/29


asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 25.6/15
Left Out: 0.000+/-0.000 χ²/NDF:19.9/10
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: 0.000+/-0.000 χ²/NDF:6.6/10
+ sign 0.000+/-0.000 χ²/NDF: 46.3/26
All: 0.000+/-0.000 χ²/NDF: 74.3/55
- sign -0.000+/-0.000 χ²/NDF: 23.9/28

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:6090719.8/10

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

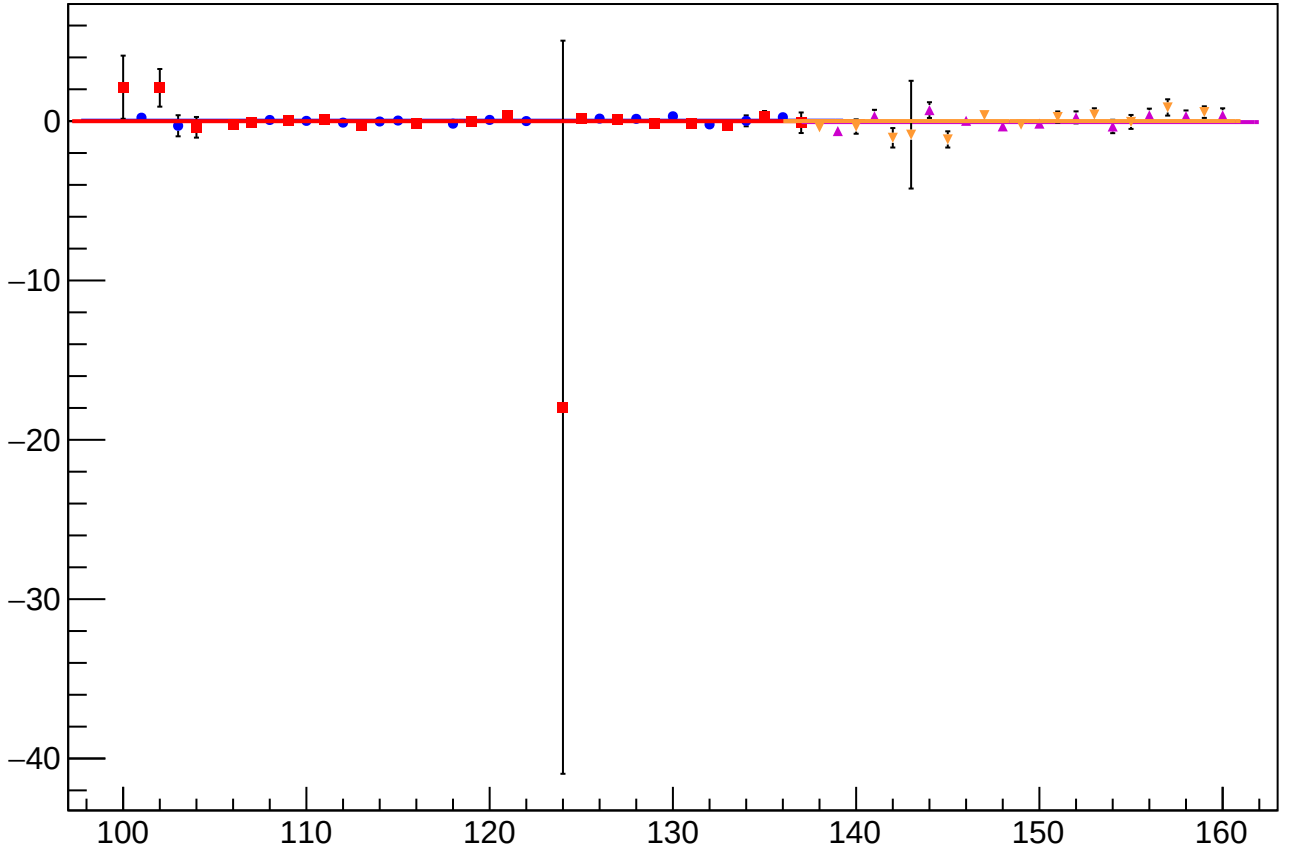
Left In: 0.004+/-0.000 χ^2/NDF:5663397.3/10

+ sign 0.005+/-0.000 χ^2/NDF: 10354253.2/26

All: 0.004+/-0.000 χ^2/NDF: 25729250.2/55

- sign 0.004+/-0.000 χ^2/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: 0.005+/-0.114 χ^2/NDF:19.4/11

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

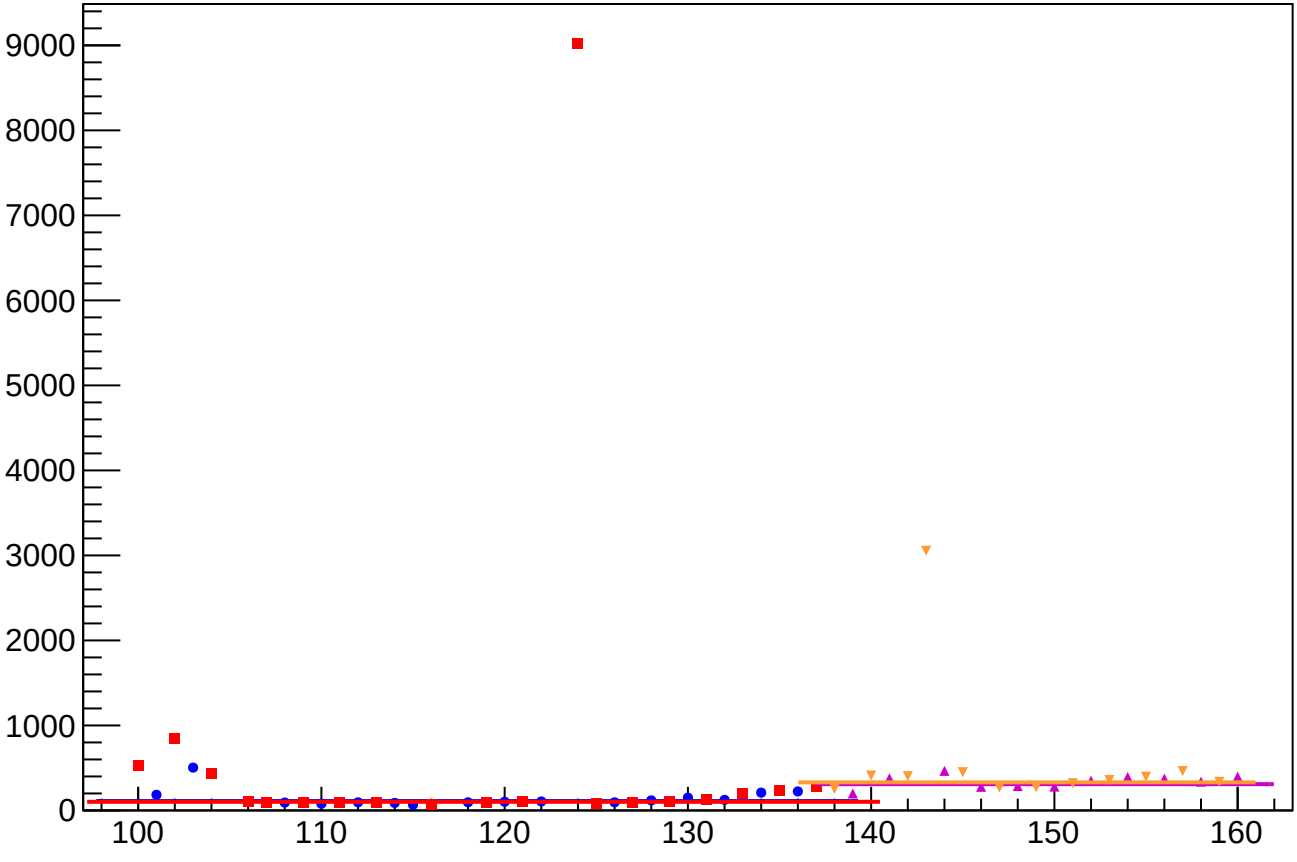
Left In: -0.060+/-0.104 χ^2/NDF:14.0/10

+ sign 0.025+/-0.042 χ^2/NDF: 28.3/27

All: 0.006+/-0.029 χ^2/NDF: 65.4/57

- 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: 330.649+/-0.081 χ^2/NDF:1991242.2/11

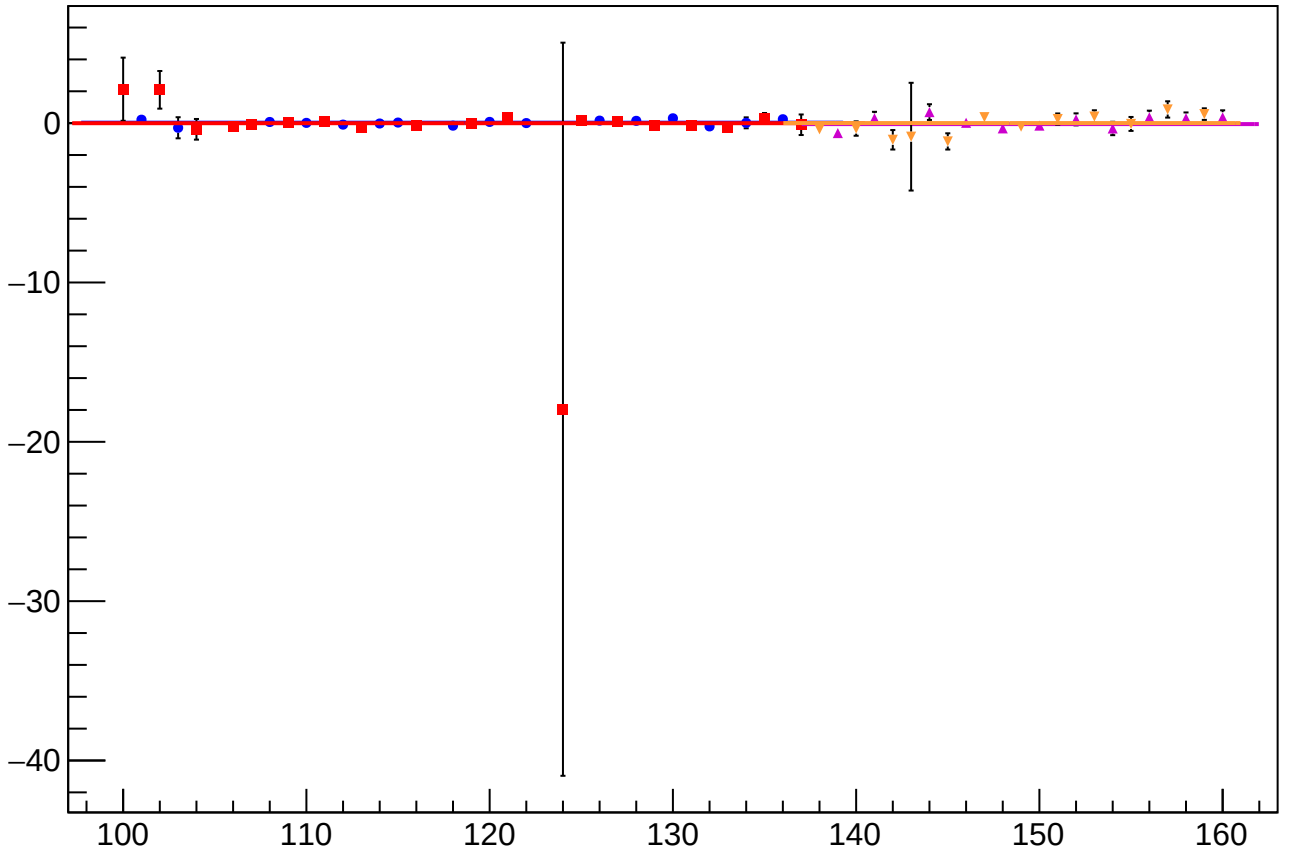
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 309.280+/-0.074 χ^2/NDF:998817.2/10

+ sign 140.062+/-0.030 χ^2/NDF: 10388913.5/27

All: 136.132+/-0.021 χ^2/NDF: 20786892.4/57

- 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: 0.005+/-0.114 χ^2/NDF:19.4/11

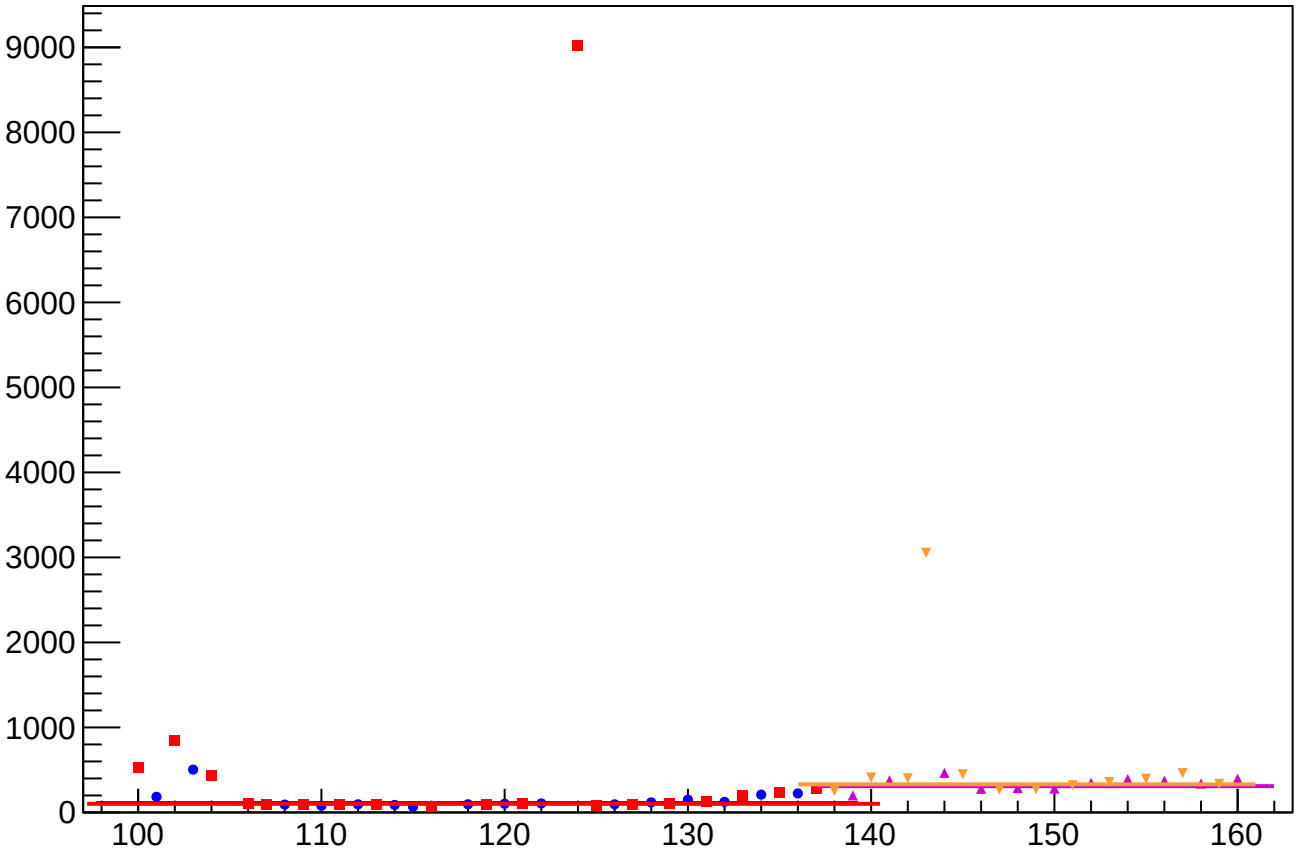
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.060+/-0.104 χ^2/NDF:14.0/10

\+ sign 0.025+/-0.042 χ^2/NDF: 28.3/27

All: 0.006+/-0.029 χ^2/NDF: 65.4/57

\- sign -0.012+/-0.040 χ^2/NDF: 36.6/29



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 330.649+/-0.081 χ^2/NDF:1991242.2/11

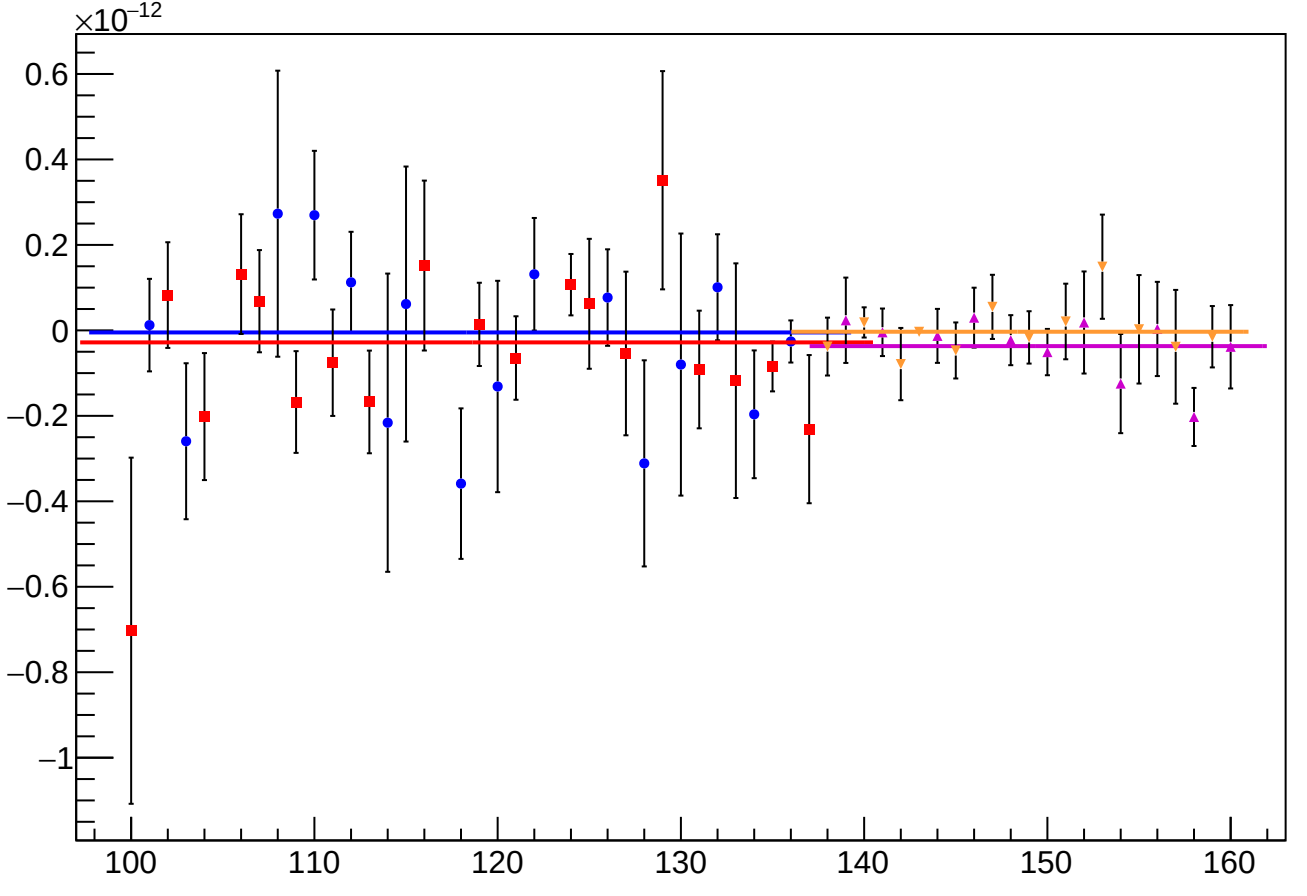
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 309.280+/-0.074 χ^2/NDF:998817.2/10

+ sign 140.062+/-0.030 χ^2/NDF: 10388913.5/27

All: 136.132+/-0.021 χ^2/NDF: 20786892.4/57

- 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:4.3/11

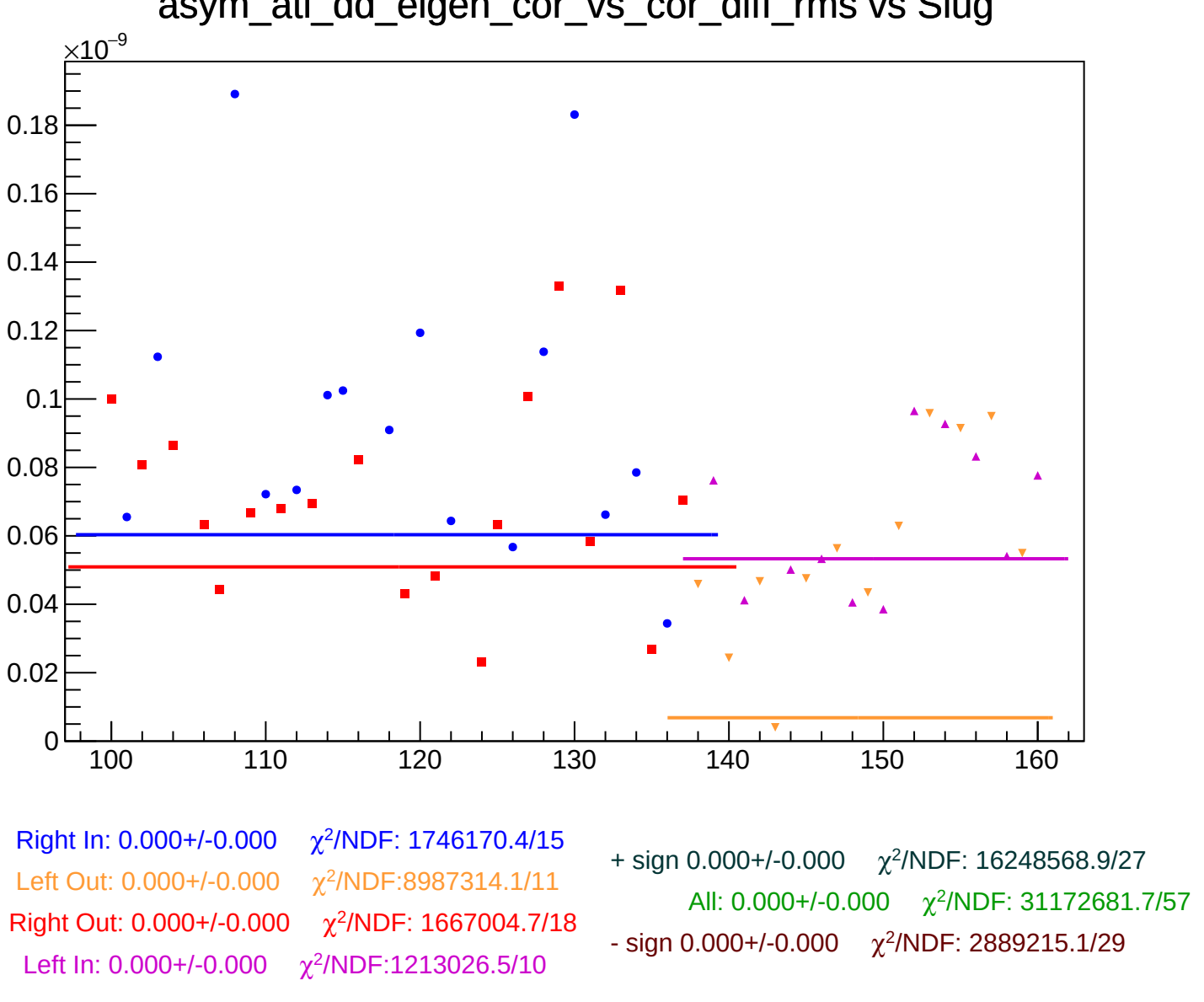
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:8.7/10

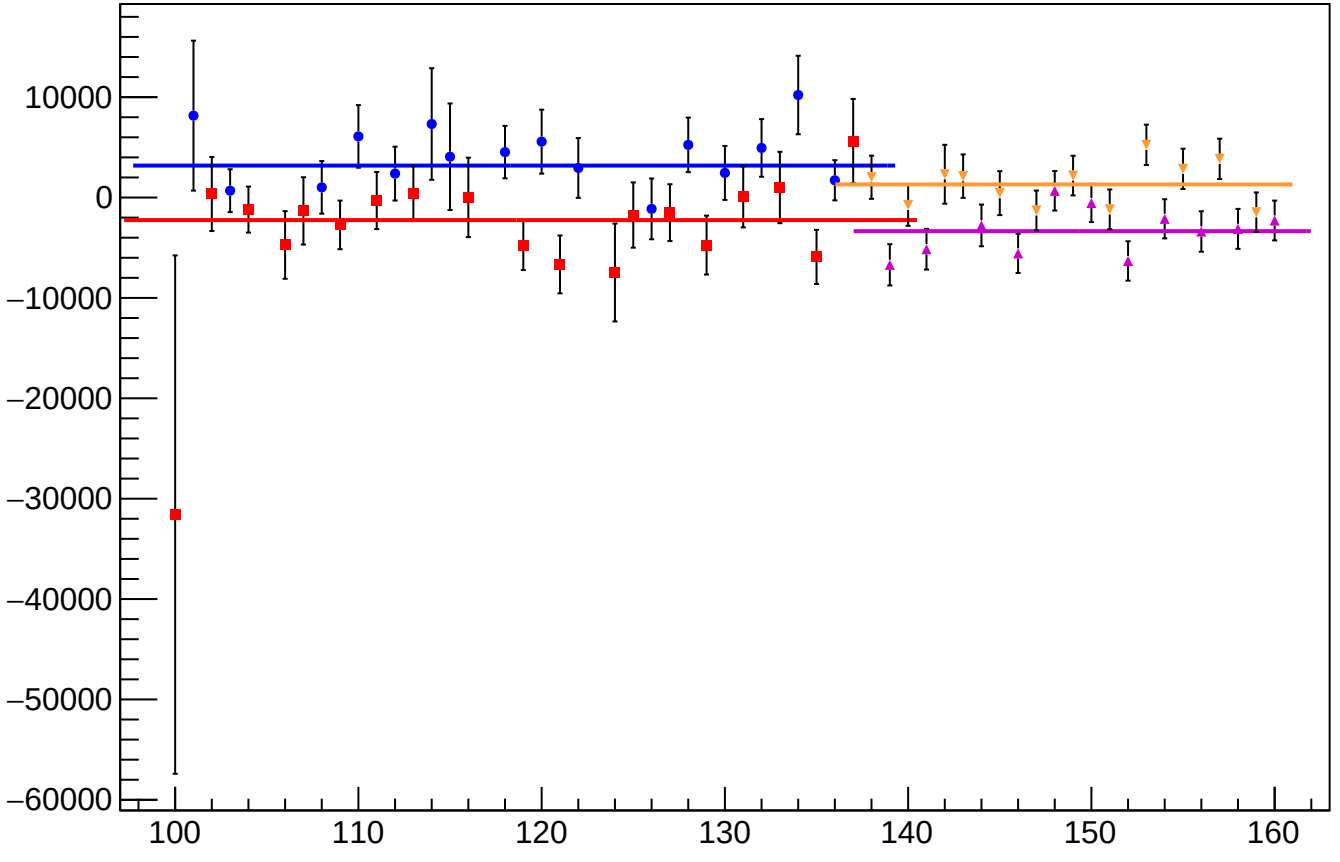
+ sign -0.000+/-0.000 χ^2/NDF: 21.8/27

All: -0.000+/-0.000 χ^2/NDF: 53.0/57

- sign -0.000+/-0.000 χ^2/NDF: 28.5/29


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:8987314.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:1213026.5/10
+ sign 0.000+/-0.000 χ²/NDF: 16248568.9/27
All: 0.000+/-0.000 χ²/NDF: 31172681.7/57
- sign 0.000+/-0.000 χ²/NDF: 2889215.1/29

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1309.148+/-602.702 χ^2/NDF:13.0/11

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

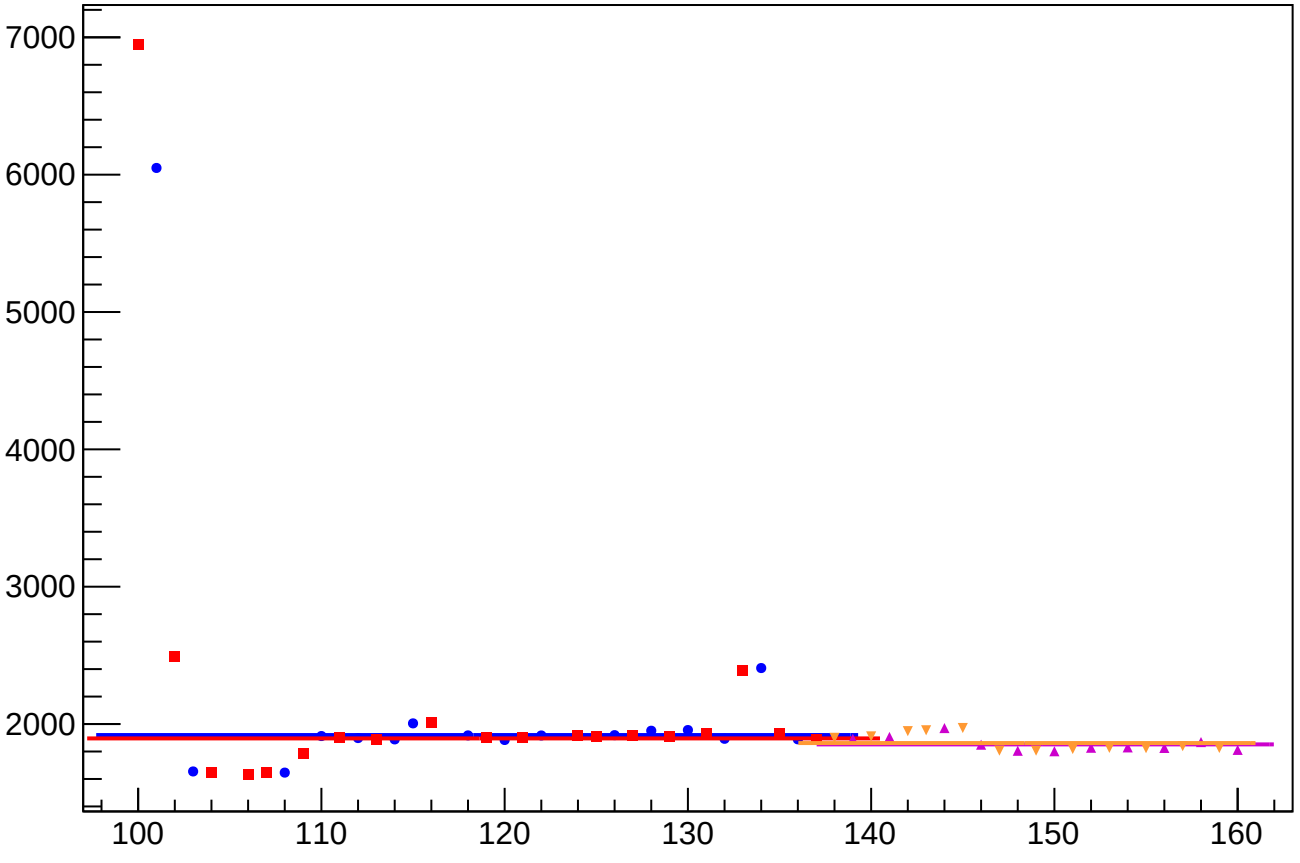
Left In: -3347.412+/-599.135 χ^2/NDF:14.2/10

+ sign 2067.589+/-465.059 χ^2/NDF: 28.6/27

All: -448.396+/-326.371 χ^2/NDF: 118.4/57

- 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: 1861.523+/-0.426 χ^2/NDF:18496.3/11

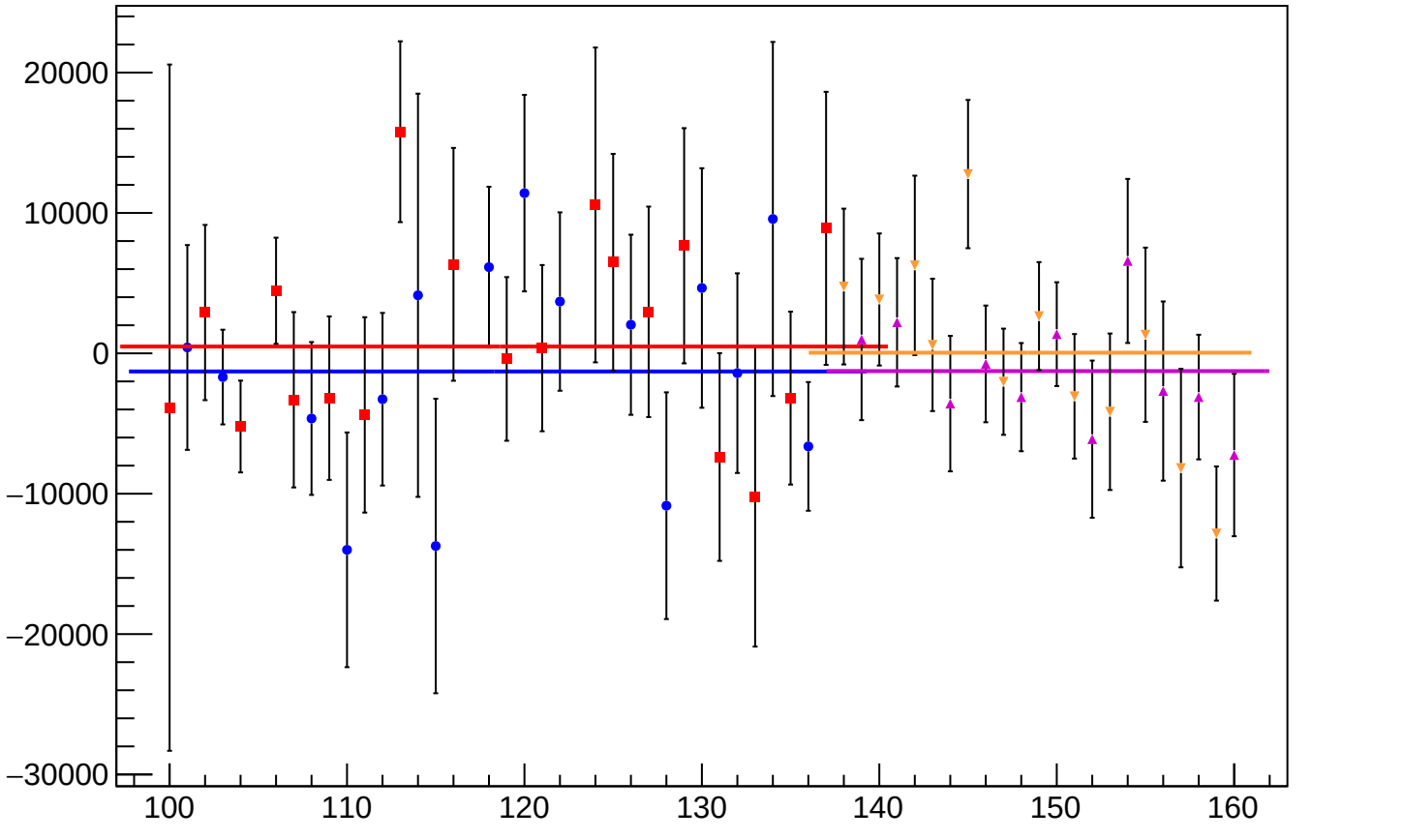
Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1851.792+/-0.424 χ^2/NDF:13101.2/10

+ sign 1885.113+/-0.329 χ^2/NDF: 723400.3/27

All: 1877.412+/-0.231 χ^2/NDF: 964264.6/57

- sign 1869.960+/-0.323 χ^2/NDF: 239785.2/29



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 46.751+/-1423.950 χ^2/NDF:18.6/11

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

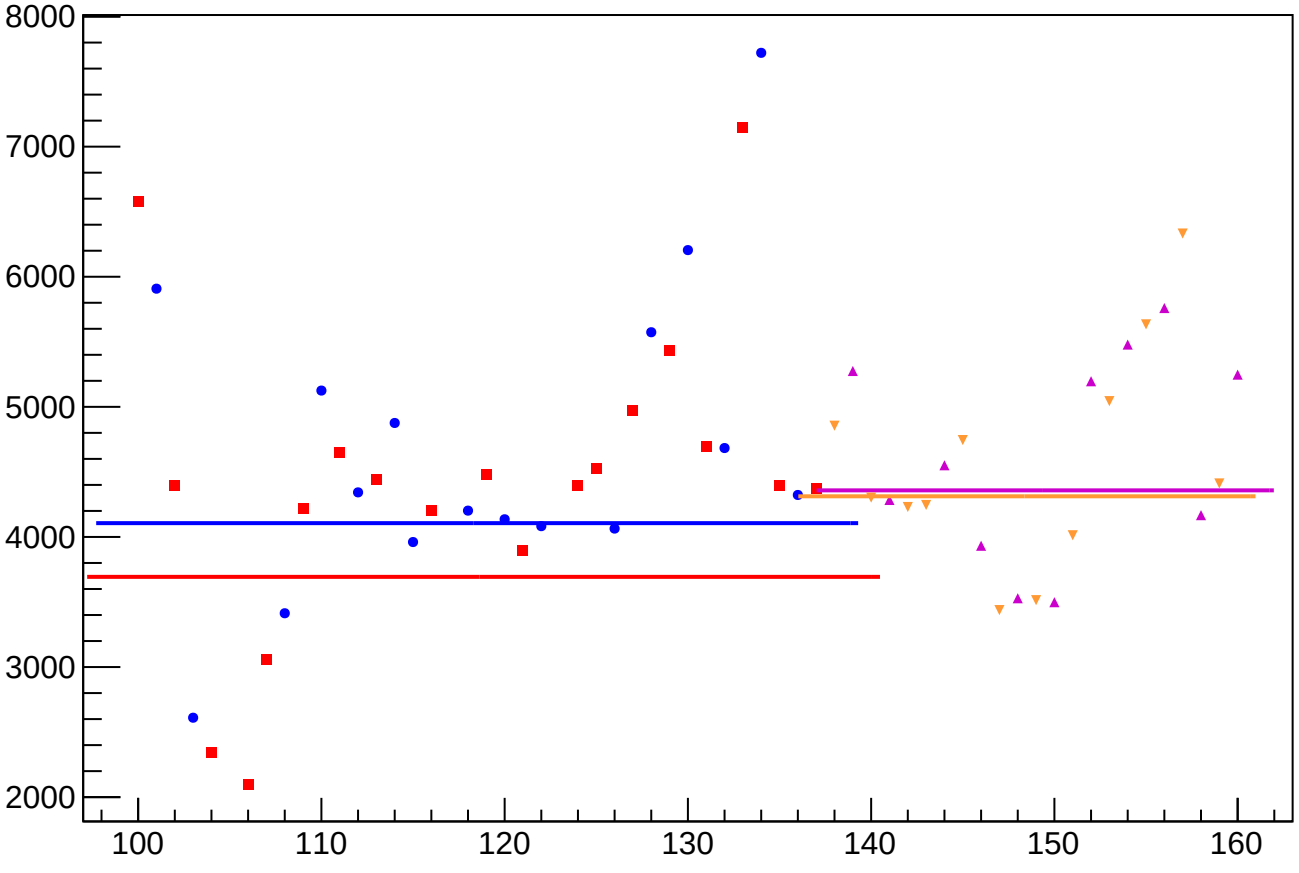
Left In: -1264.797+/-1434.849 χ^2/NDF:5.6/10

+ sign -550.322+/-1059.390 χ^2/NDF: 33.3/27

All: -467.494+/-733.098 χ^2/NDF: 56.8/57

- 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: 4312.414+/-1.007 χ^2/NDF:524621.5/11

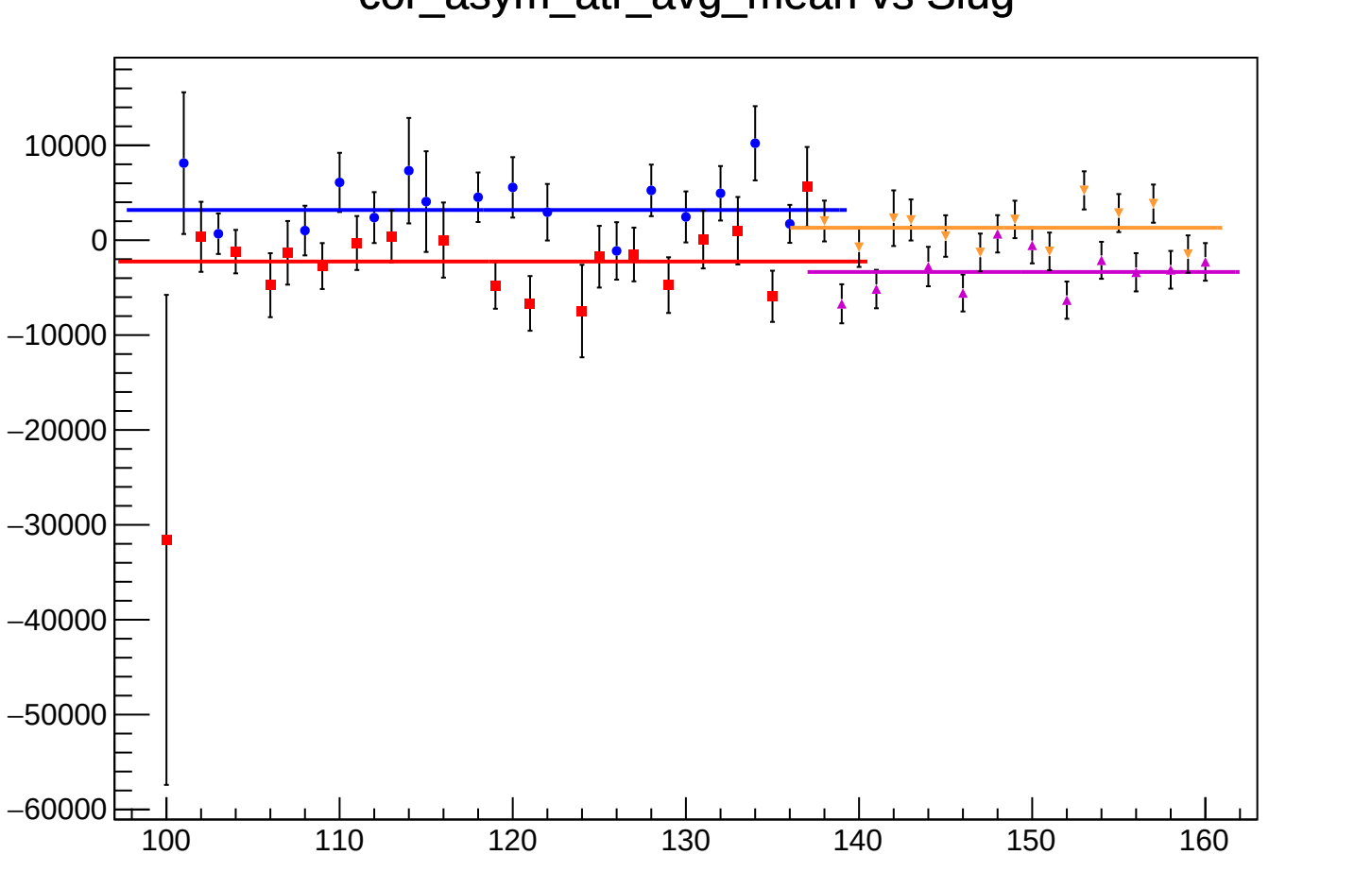
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4358.175+/-1.015 χ^2/NDF:542191.2/10

+ sign 4220.314+/-0.749 χ^2/NDF: 1499490.6/27

All: 4119.220+/-0.518 χ^2/NDF: 3647621.0/57

- 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: 1309.035+/-602.702 χ^2/NDF:13.0/11

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

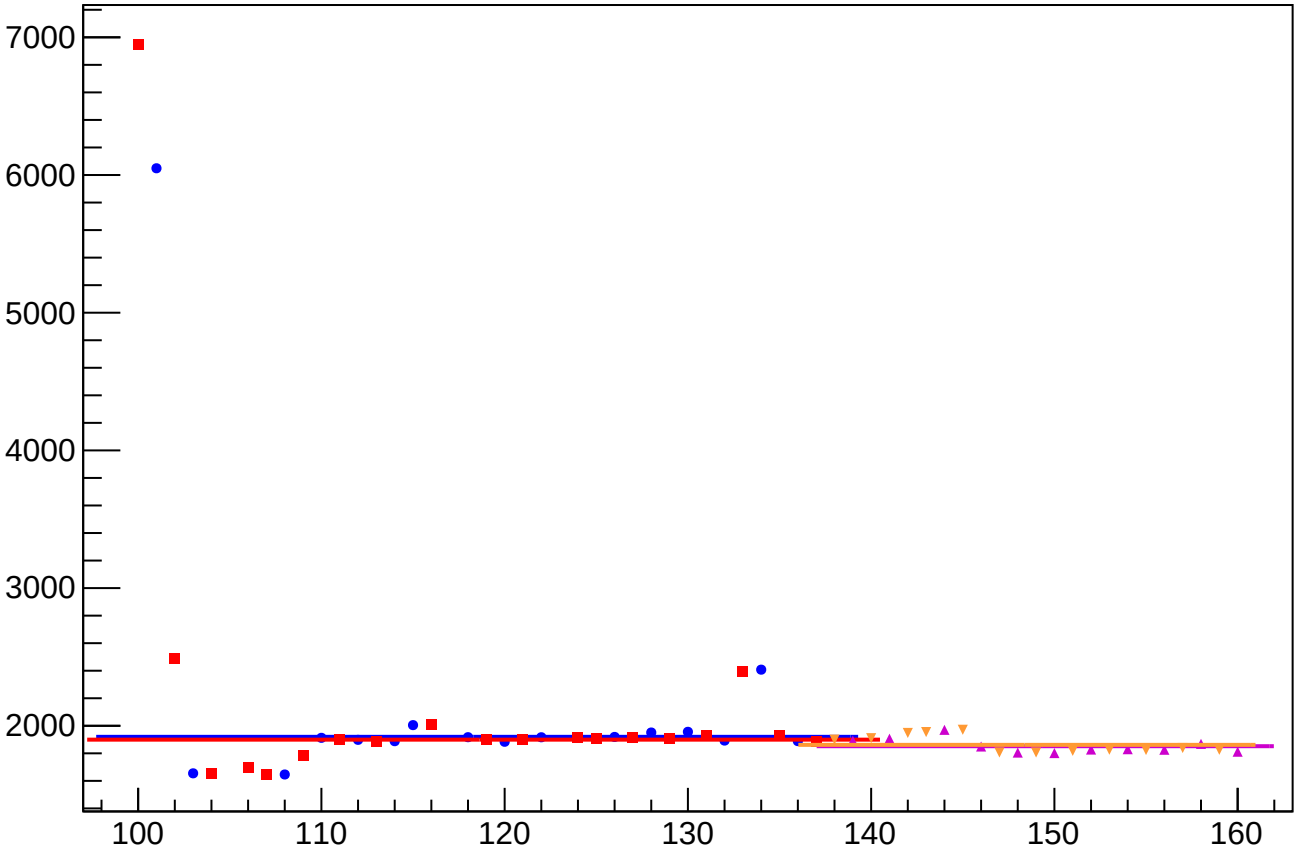
Left In: -3347.456+/-599.135 χ^2/NDF:14.2/10

+ sign 2067.225+/-465.059 χ^2/NDF: 28.6/27

All: -448.823+/-326.371 χ^2/NDF: 118.4/57

- 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: 1861.523+/-0.426 χ^2/NDF:18496.3/11

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

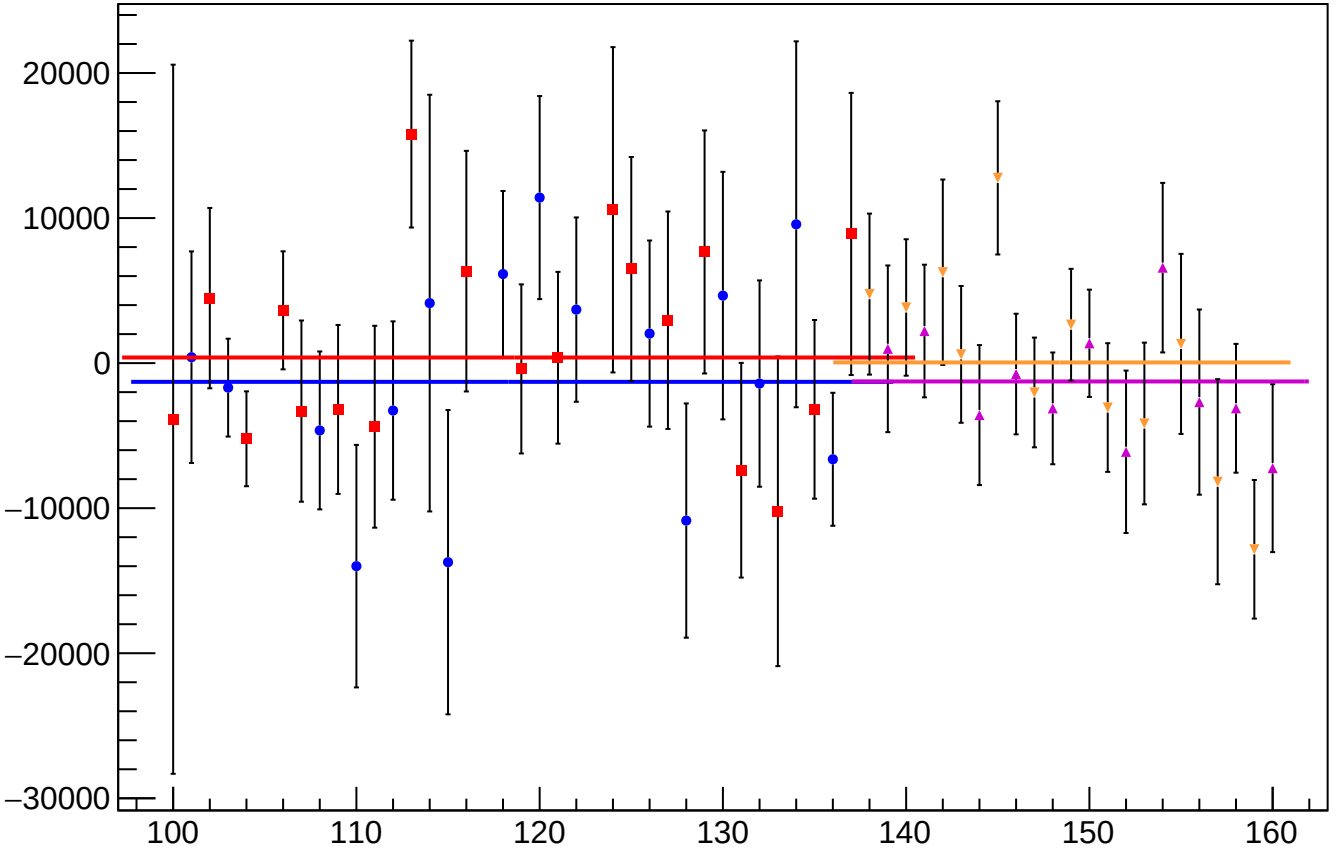
Left In: 1851.793+/-0.424 χ^2/NDF:13101.2/10

+ sign 1885.113+/-0.329 χ^2/NDF: 723399.5/27

All: 1878.243+/-0.231 χ^2/NDF: 958260.2/57

- 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: 46.709+/-1423.946 χ^2/NDF:18.6/11

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

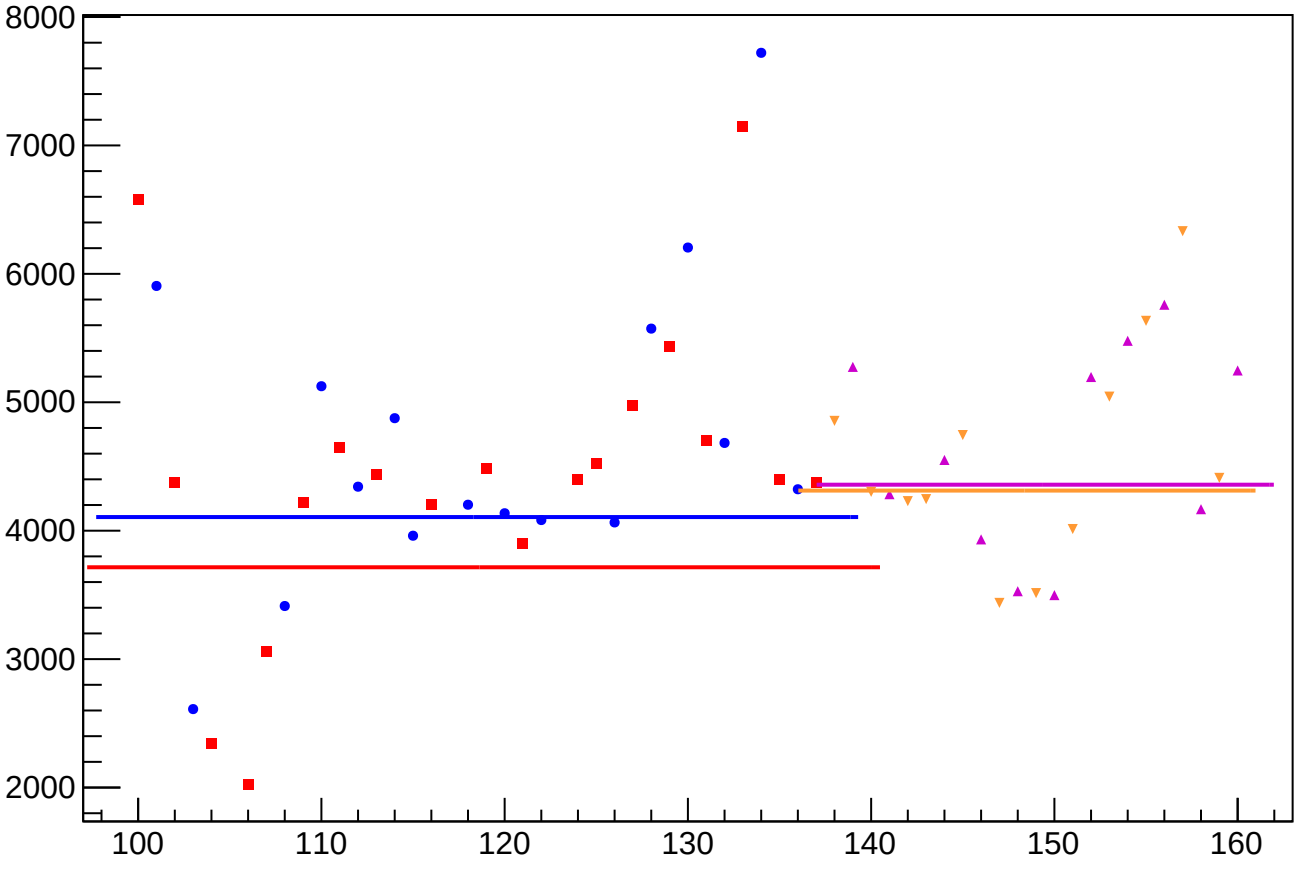
Left In: -1264.824+/-1434.851 χ^2/NDF:5.6/10

+ sign -550.506+/-1059.389 χ^2/NDF: 33.3/27

All: -497.410+/-734.943 χ^2/NDF: 56.5/57

- 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: 4312.401+/-1.007 χ^2/NDF:524633.2/11

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

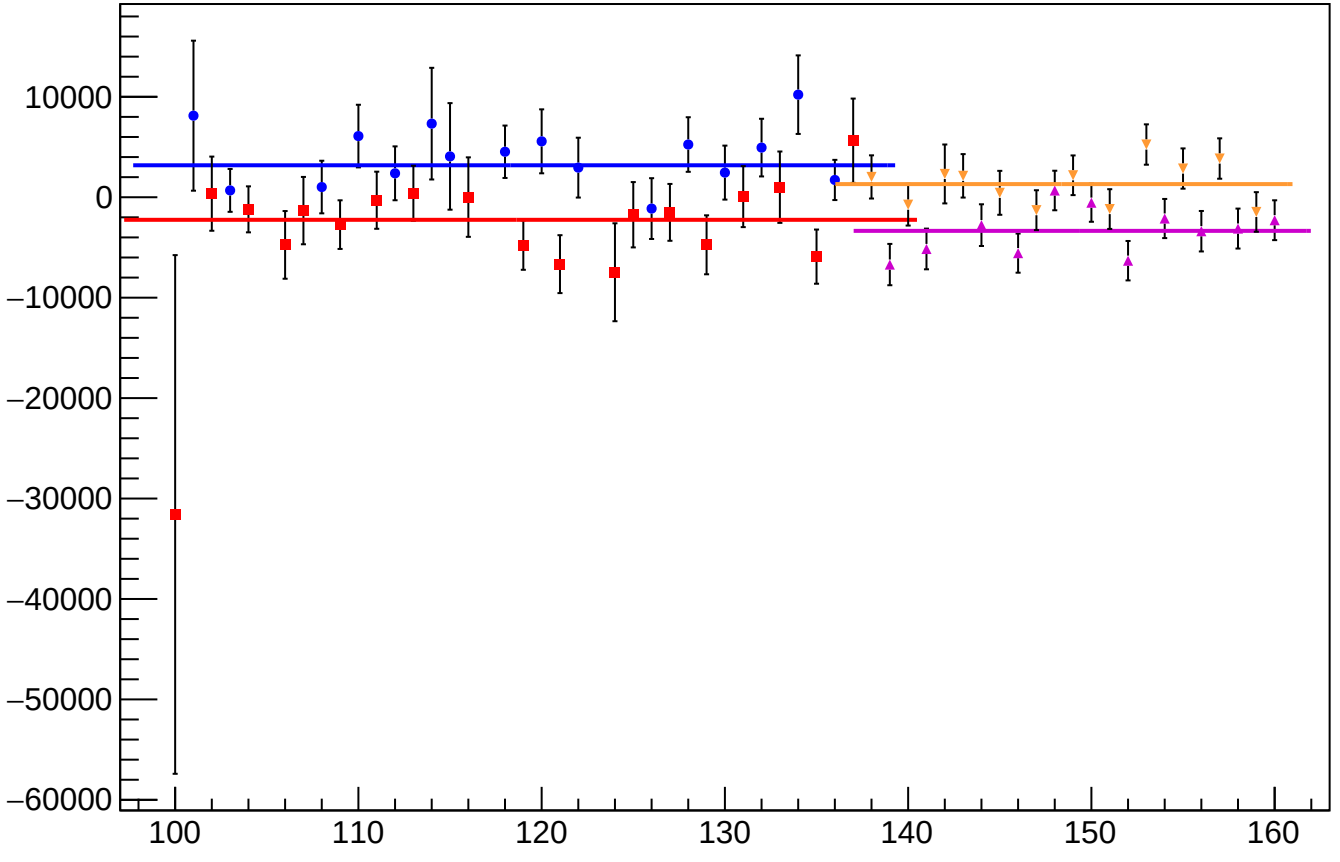
Left In: 4358.180+/-1.015 χ^2/NDF:542187.3/10

+ sign 4220.349+/-0.749 χ^2/NDF: 1498983.9/27

All: 4127.009+/-0.520 χ^2/NDF: 3604688.8/57

- sign 4040.407+/-0.722 χ^2/NDF: 2075774.0/29

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1309.035+/-602.702 χ^2/NDF:13.0/11

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

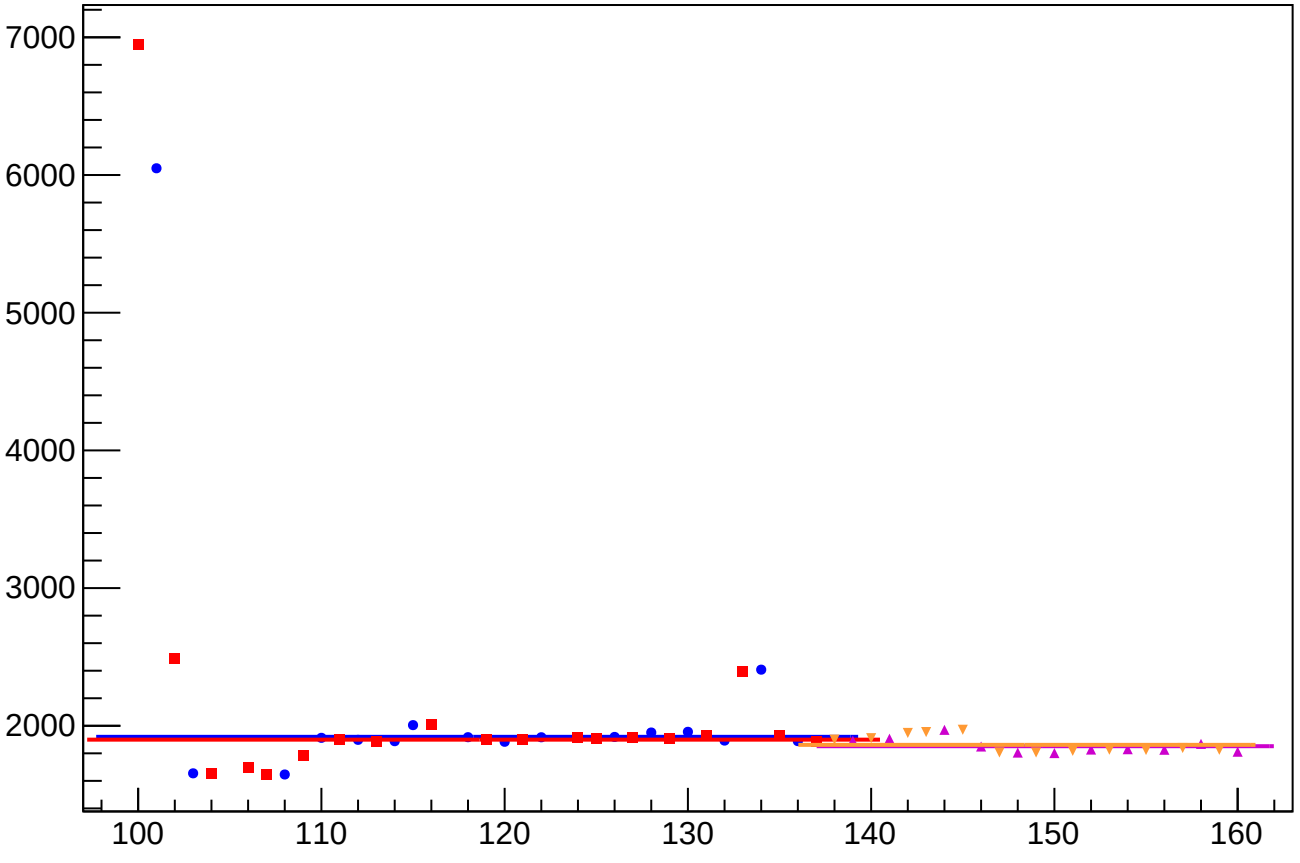
Left In: -3347.456+/-599.135 χ^2/NDF:14.2/10

+ sign 2067.225+/-465.059 χ^2/NDF: 28.6/27

All: -448.823+/-326.371 χ^2/NDF: 118.4/57

- 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: 1861.523+/-0.426 χ^2/NDF:18496.3/11

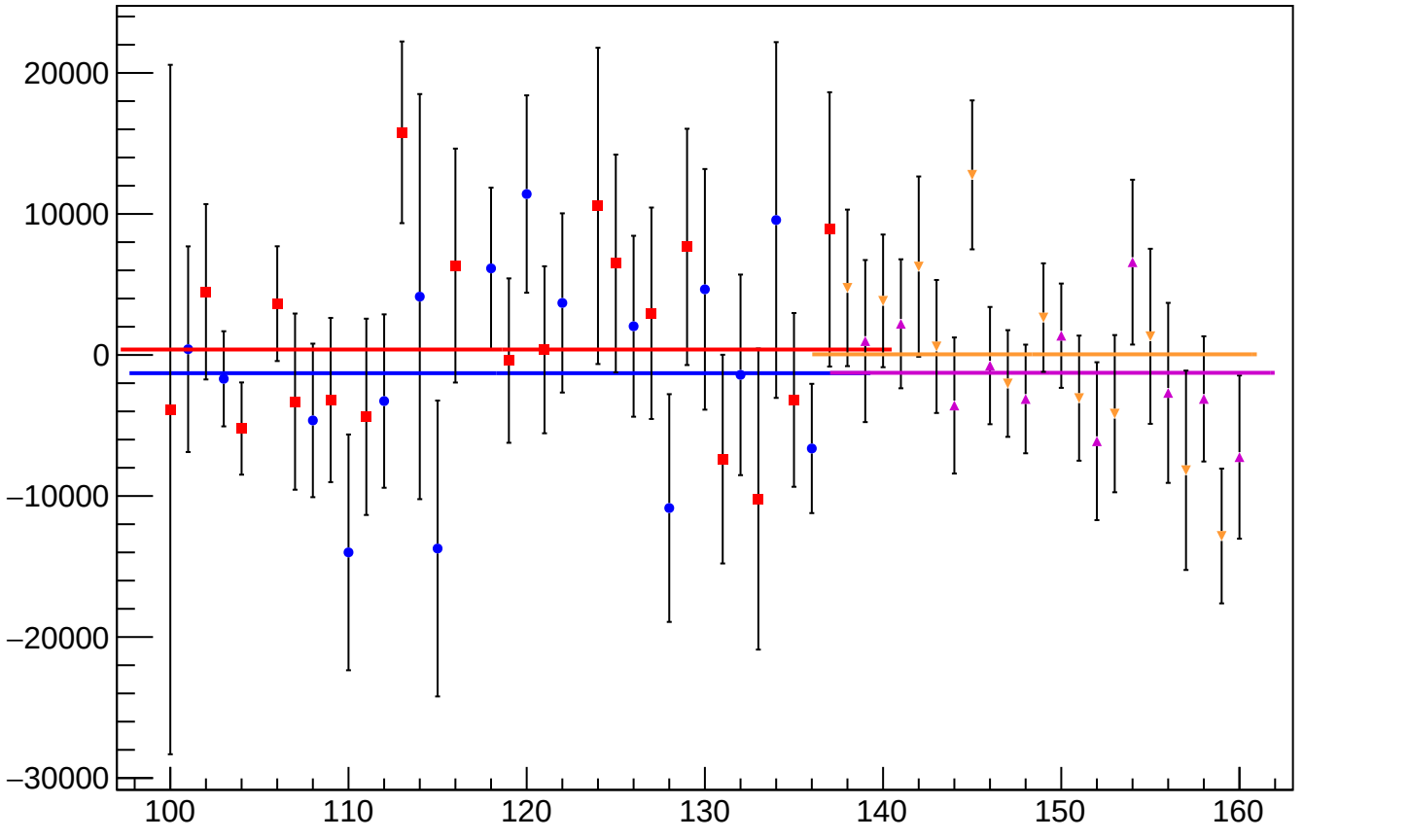
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1851.793+/-0.424 χ^2/NDF:13101.2/10

+ sign 1885.113+/-0.329 χ^2/NDF: 723399.5/27

All: 1878.243+/-0.231 χ^2/NDF: 958260.2/57

- 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: 46.709+/-1423.946 χ^2/NDF:18.6/11

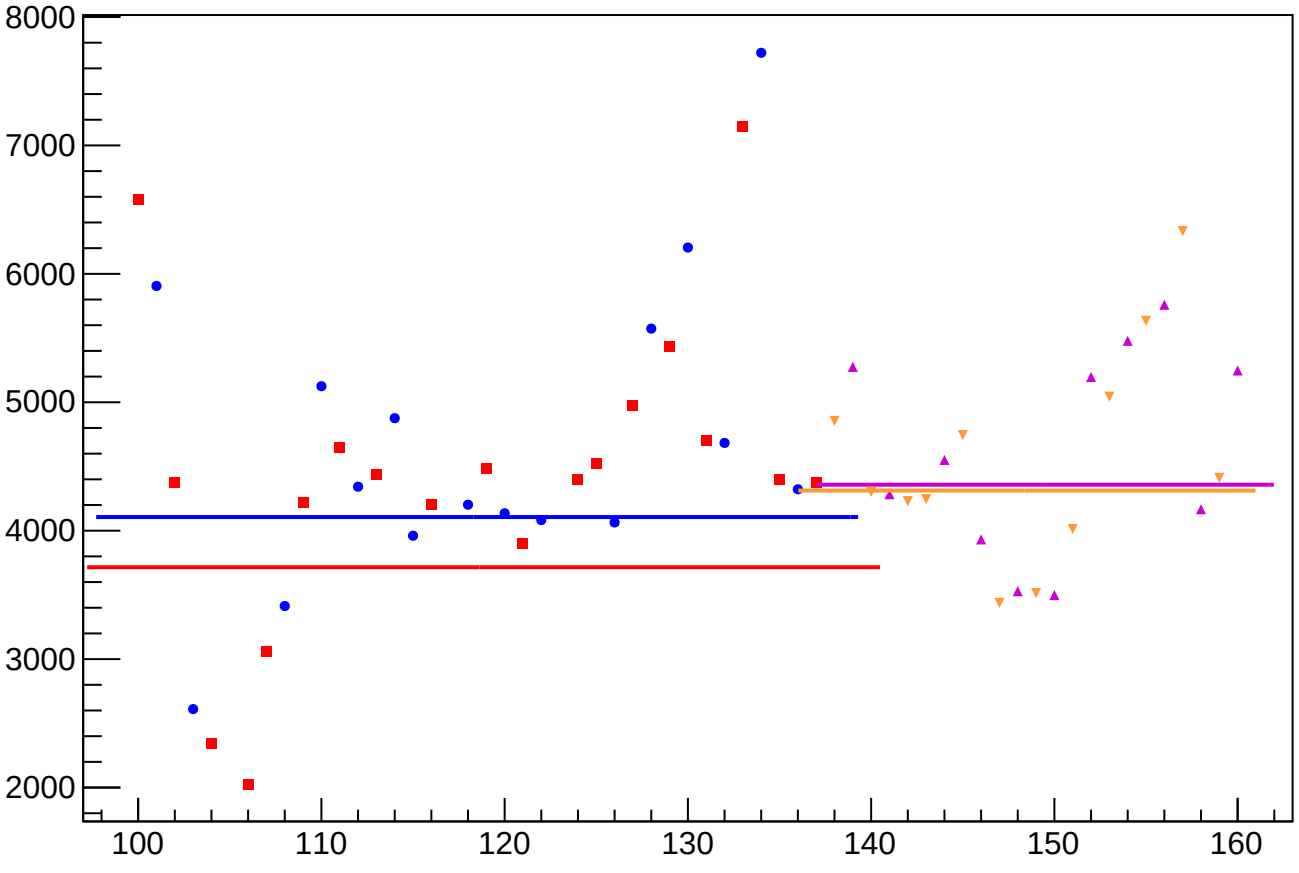
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -1264.824+/-1434.851 χ^2/NDF:5.6/10

+ sign -550.506+/-1059.389 χ^2/NDF: 33.3/27

All: -497.410+/-734.943 χ^2/NDF: 56.5/57

- 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: 4312.401+/-1.007 χ^2/NDF:524633.2/11

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

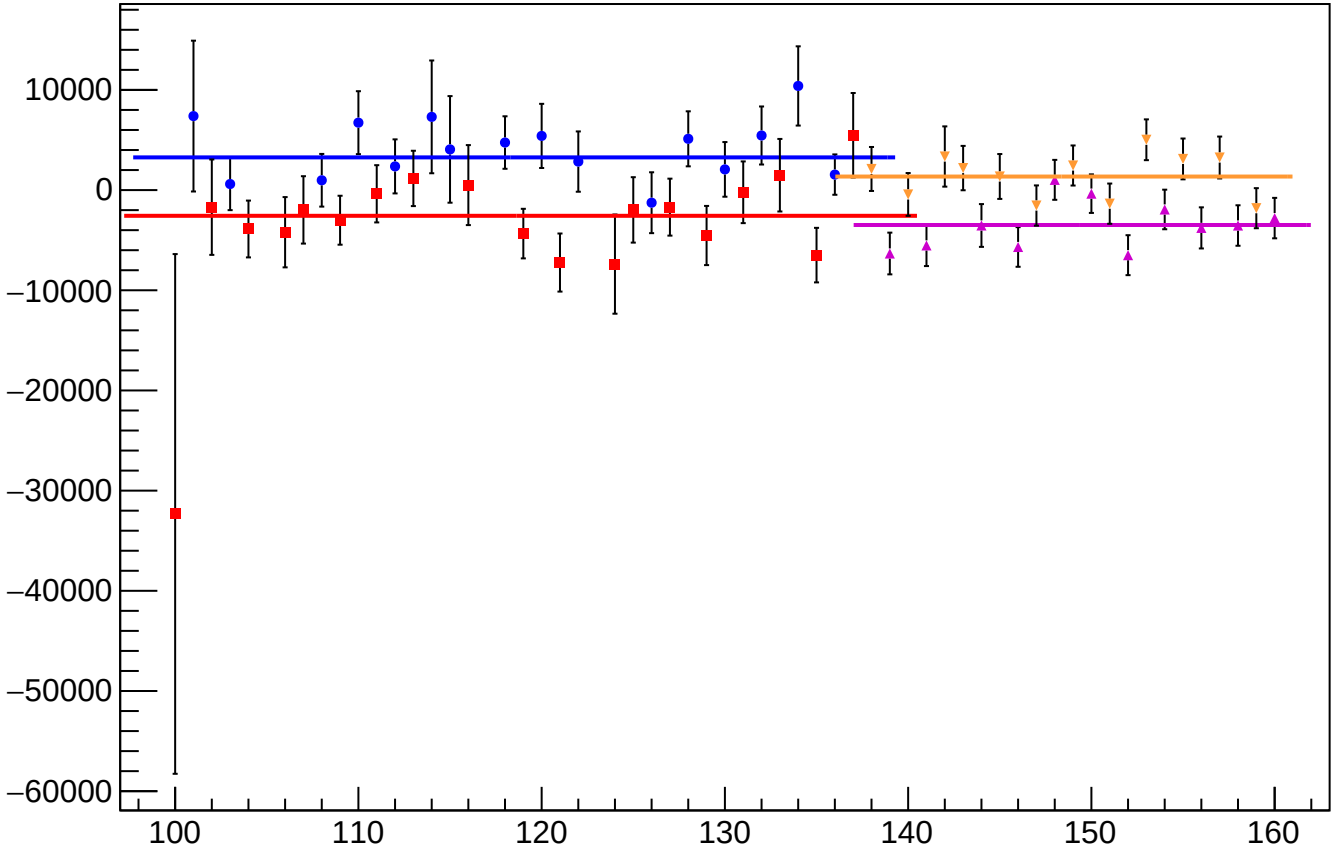
Left In: 4358.180+/-1.015 χ^2/NDF:542187.3/10

+ sign 4220.349+/-0.749 χ^2/NDF: 1498983.9/27

All: 4127.009+/-0.520 χ^2/NDF: 3604688.8/57

- 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: 1352.283+/-614.628 χ^2/NDF:12.9/11

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

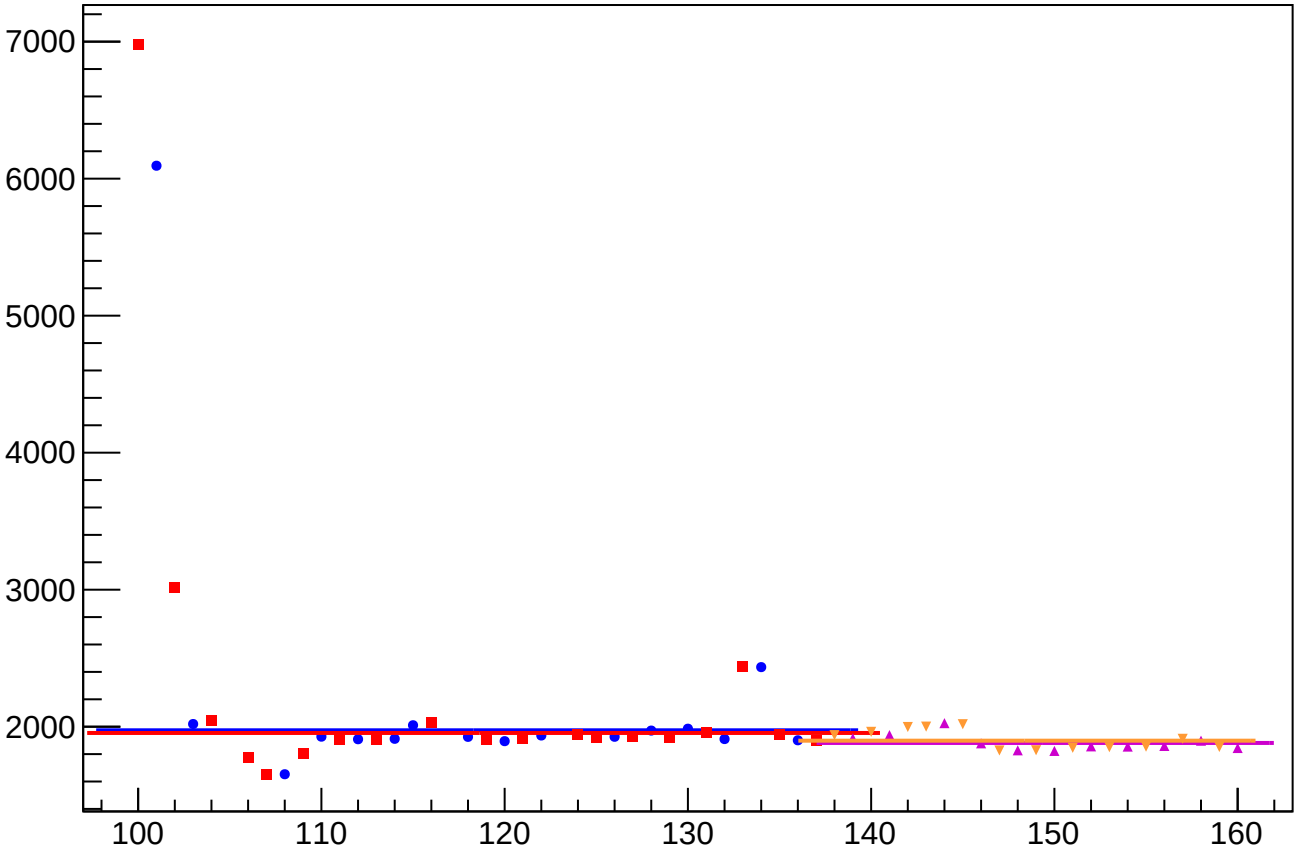
Left In: -3484.203+/-608.808 χ^2/NDF:14.9/10

+ sign 2119.543+/-475.607 χ^2/NDF: 29.0/27

All: -533.186+/-333.881 χ^2/NDF: 123.1/57

- 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: 1897.991+/-0.435 χ^2/NDF:24215.0/11

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

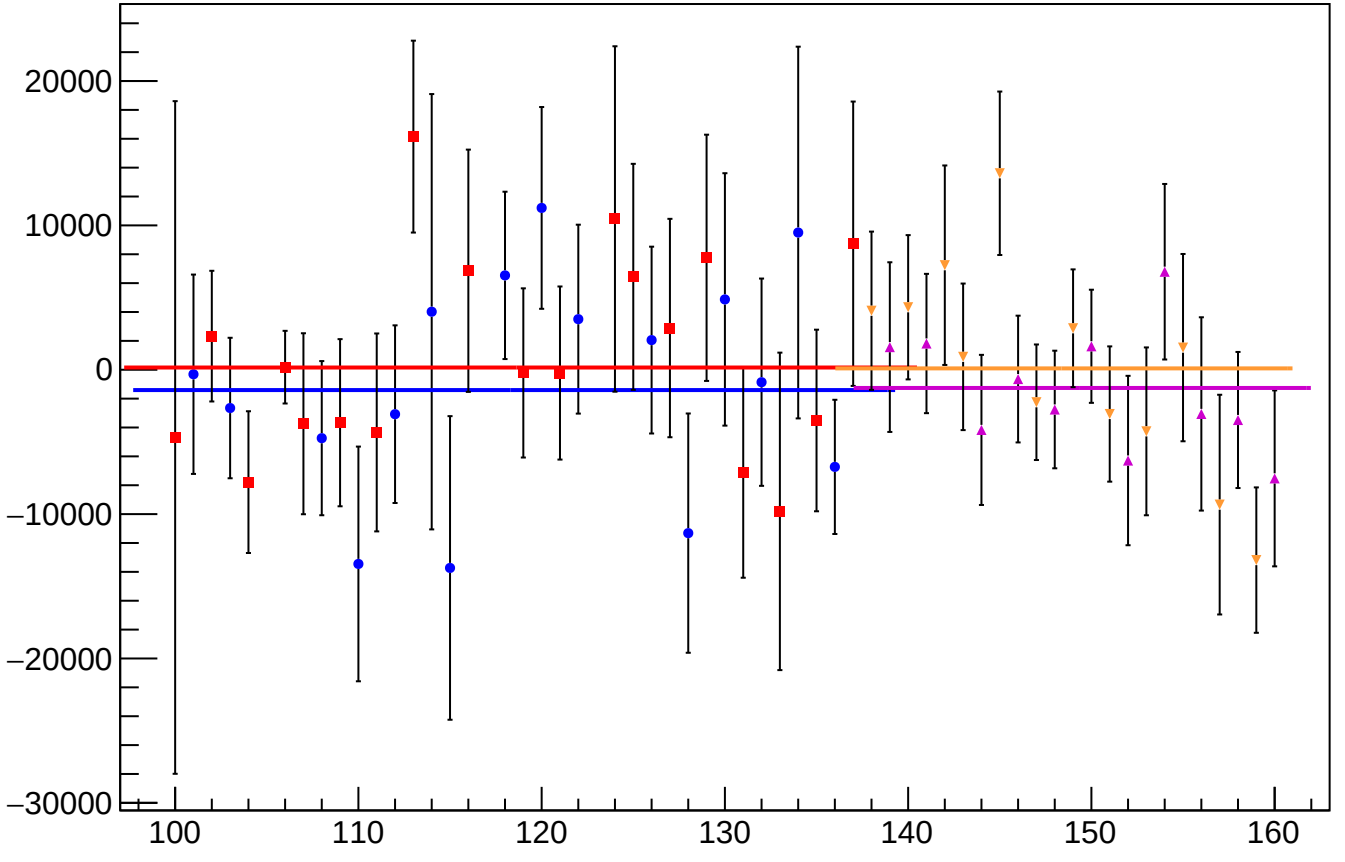
Left In: 1881.492+/-0.430 χ^2/NDF:16244.2/10

+ sign 1928.385+/-0.336 χ^2/NDF: 701530.1/27

All: 1919.652+/-0.236 χ^2/NDF: 976981.1/57

- 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: 94.422+/-1503.410 χ^2/NDF:18.4/11

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

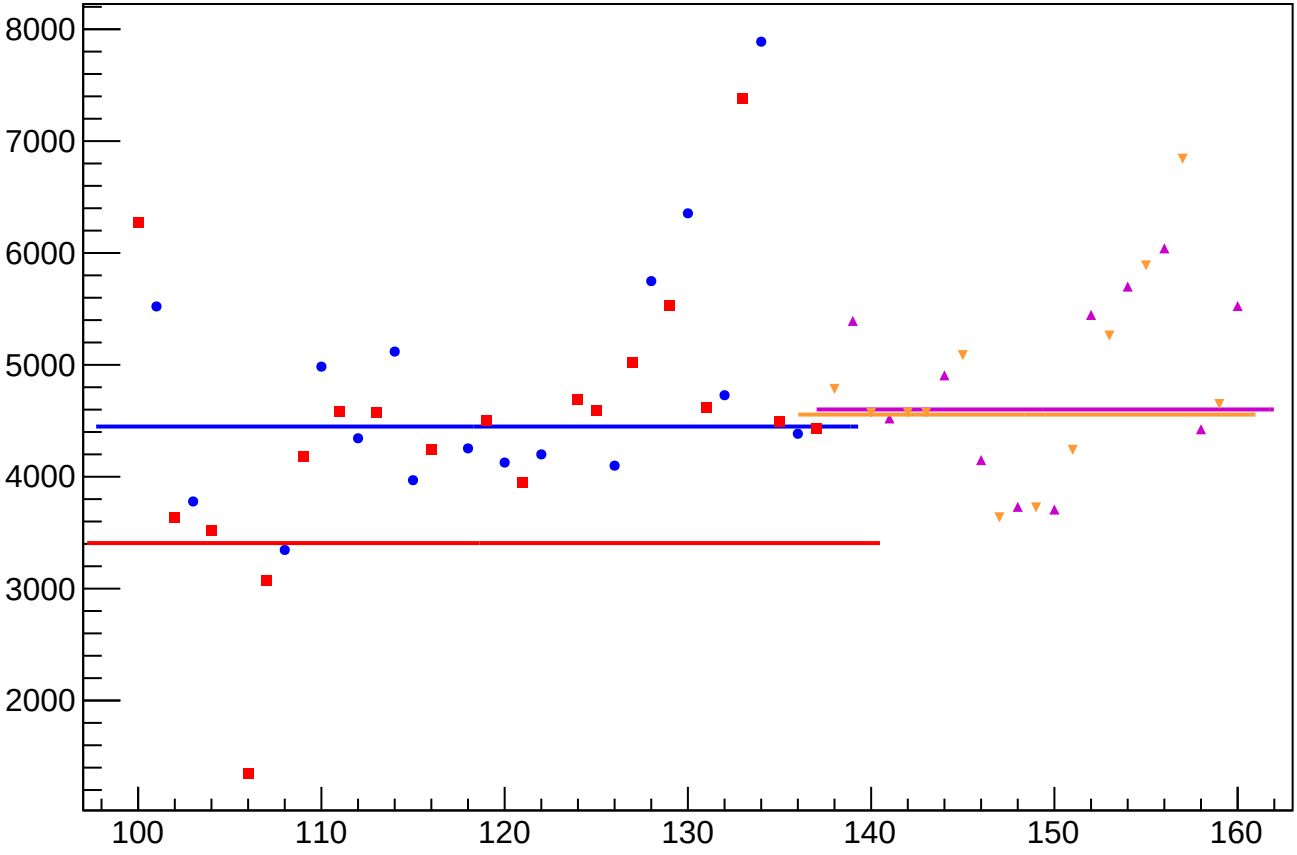
Left In: -1261.213+/-1513.539 χ^2/NDF:5.5/10

\+ sign -569.033+/-1123.267 χ^2/NDF: 33.1/27

All: -519.593+/-752.313 χ^2/NDF: 54.9/57

\- 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: 4555.639+/-1.063 χ^2/NDF:513635.5/11

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

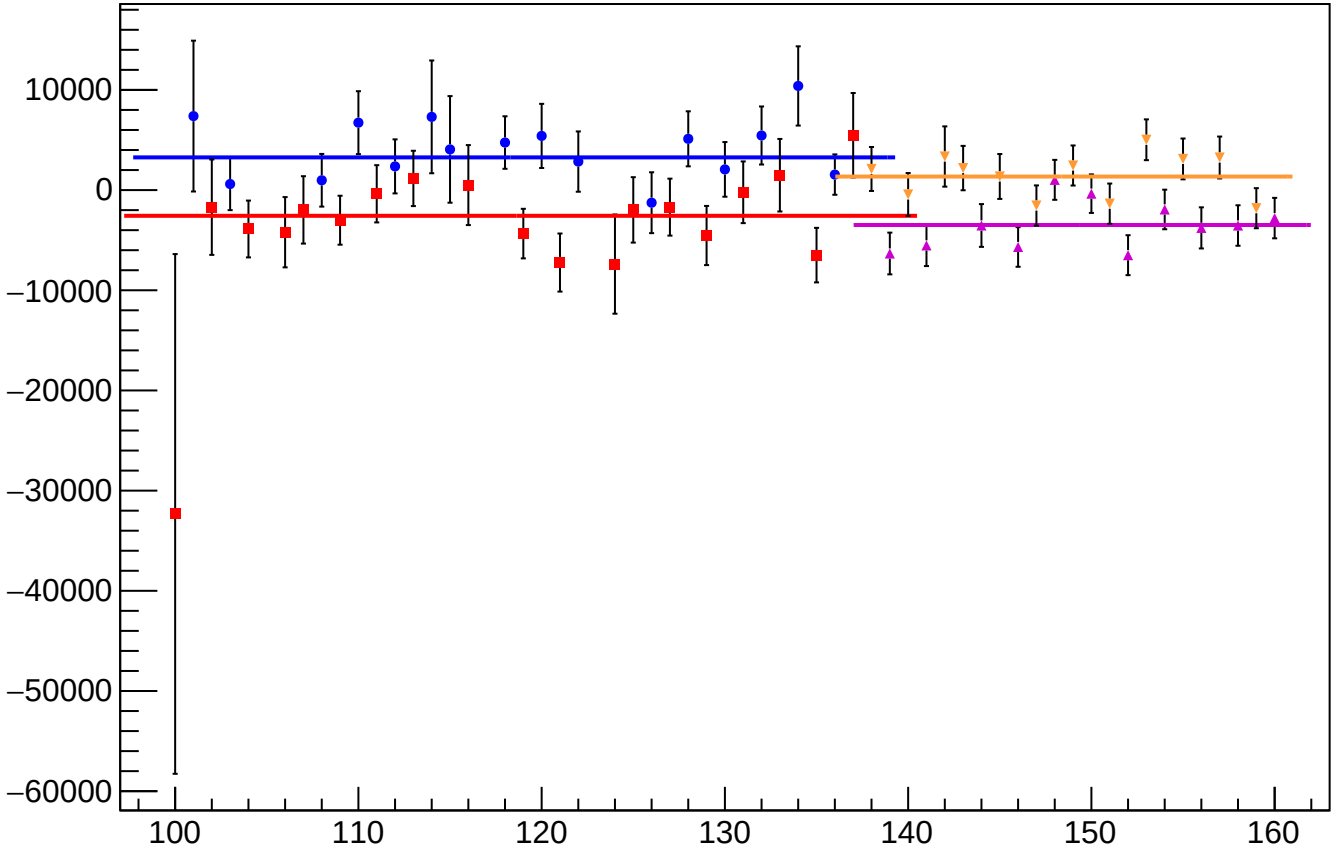
Left In: 4601.390+/-1.070 χ^2/NDF:508578.8/10

+ sign 4508.401+/-0.794 χ^2/NDF: 1012718.6/27

All: 4196.186+/-0.532 χ^2/NDF: 4814870.1/57

- 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: 1352.277+/-614.628 χ^2/NDF:12.9/11

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

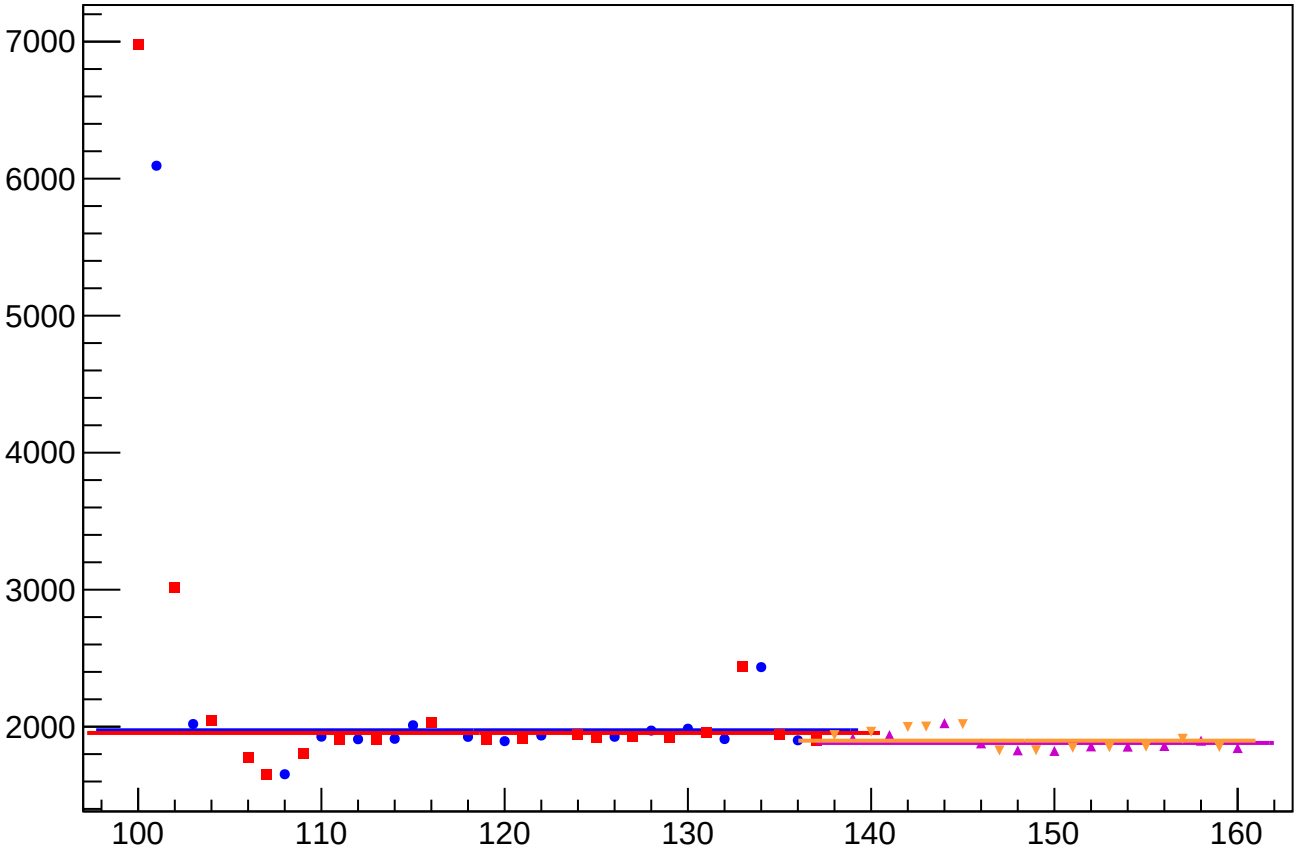
Left In: -3484.203+/-608.808 χ^2/NDF:14.9/10

+ sign 2119.542+/-475.608 χ^2/NDF: 29.0/27

All: -533.188+/-333.881 χ^2/NDF: 123.1/57

- 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: 1897.991+/-0.435 χ^2/NDF:24215.2/11

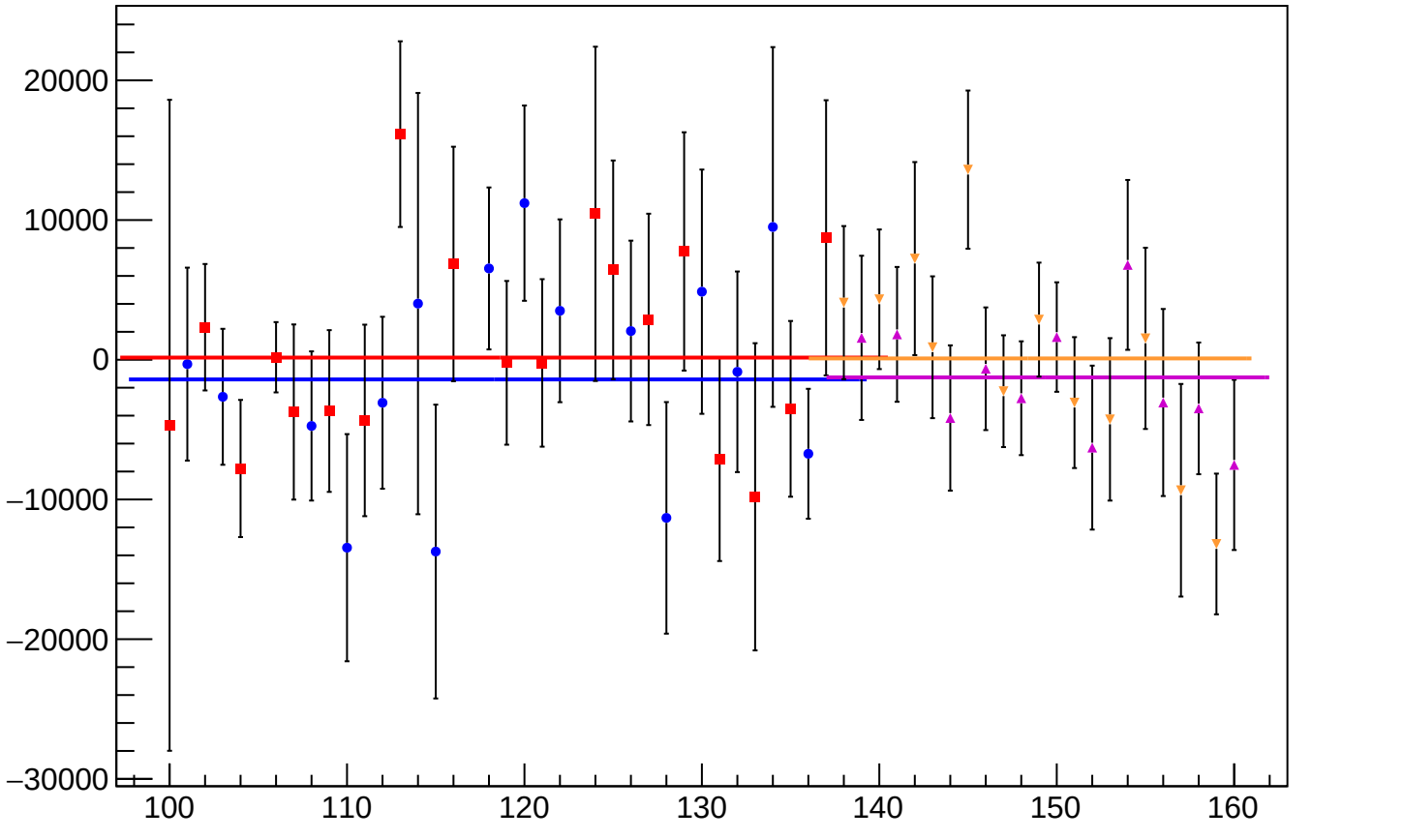
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1881.493+/-0.430 χ^2/NDF:16244.2/10

+ sign 1928.386+/-0.336 χ^2/NDF: 701529.9/27

All: 1919.652+/-0.236 χ^2/NDF: 976980.1/57

- 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: 94.416+/-1503.412 χ^2/NDF:18.4/11

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

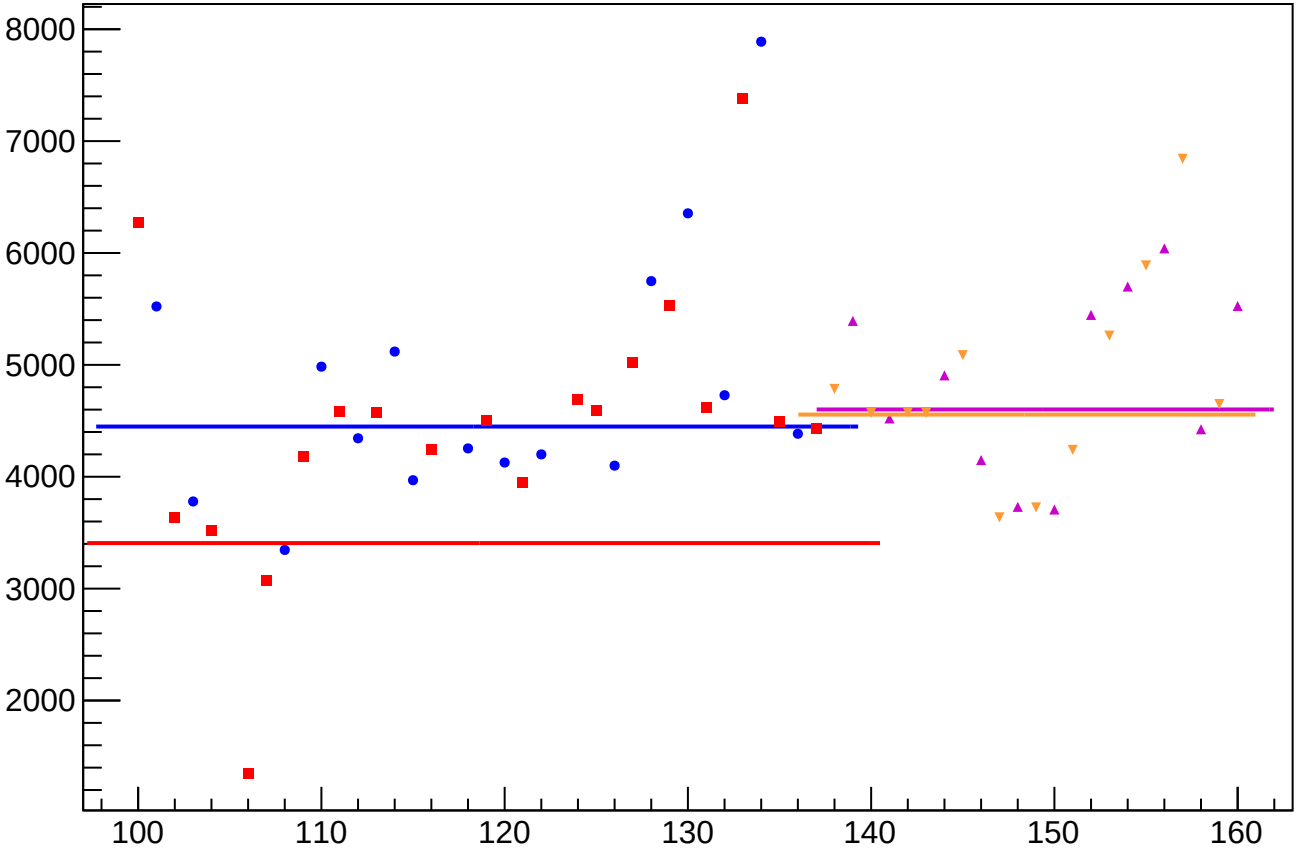
Left In: -1261.212+/-1513.541 χ^2/NDF:5.5/10

+ sign -569.030+/-1123.267 χ^2/NDF: 33.1/27

All: -519.589+/-752.312 χ^2/NDF: 54.9/57

- 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: 4555.646+/-1.063 χ^2/NDF:513633.8/11

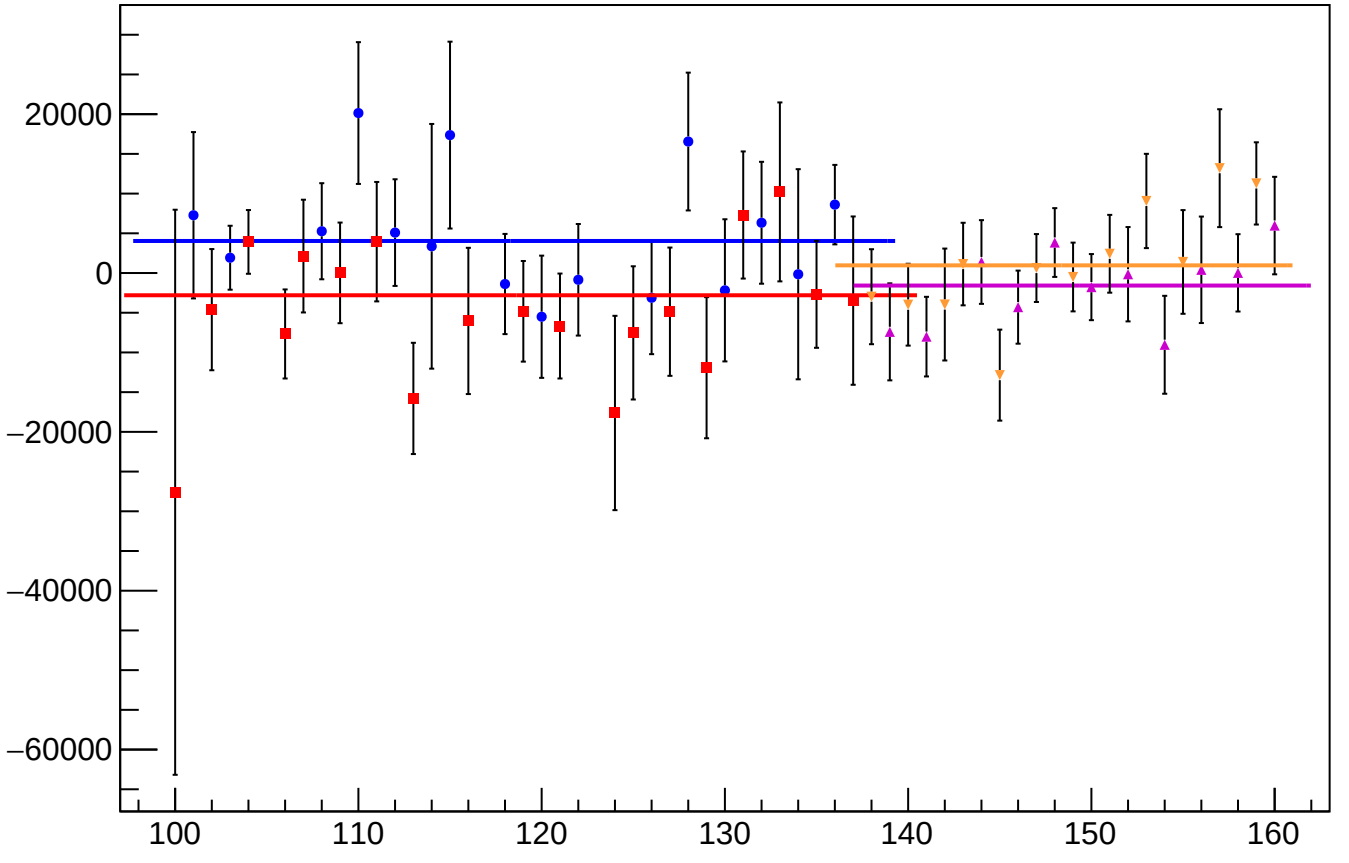
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4601.397+/-1.070 χ^2/NDF:508575.8/10

+ sign 4508.401+/-0.794 χ^2/NDF: 1012715.1/27

All: 4196.184+/-0.532 χ^2/NDF: 4814888.5/57

- 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: 965.227+/-1561.079 χ^2/NDF:16.4/11

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

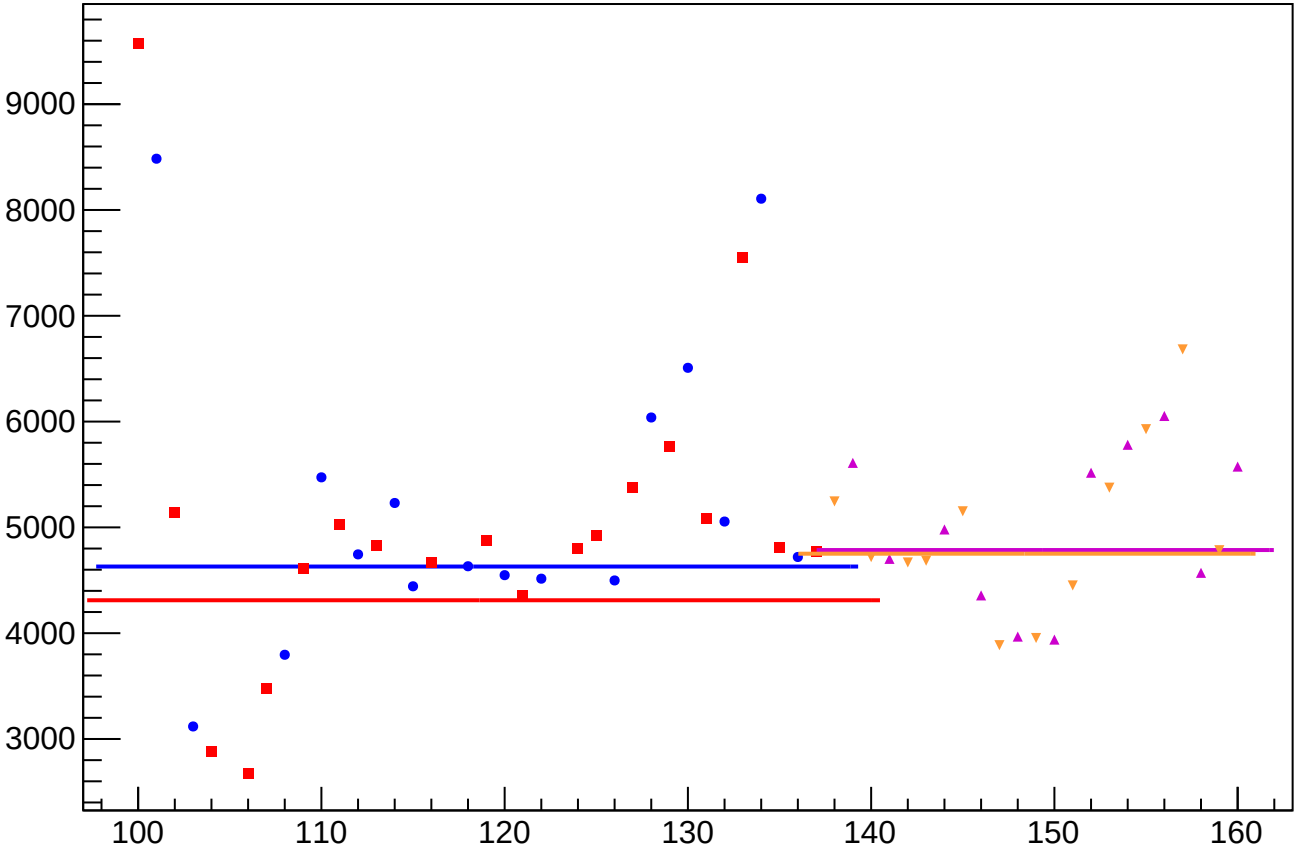
Left In: -1578.174+/-1568.323 χ^2/NDF:8.0/10

+ sign 2297.924+/-1174.243 χ^2/NDF: 30.5/27

All: 15.443+/-819.351 χ^2/NDF: 61.6/57

- 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: 4751.222+/-1.104 χ^2/NDF:403852.5/11

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

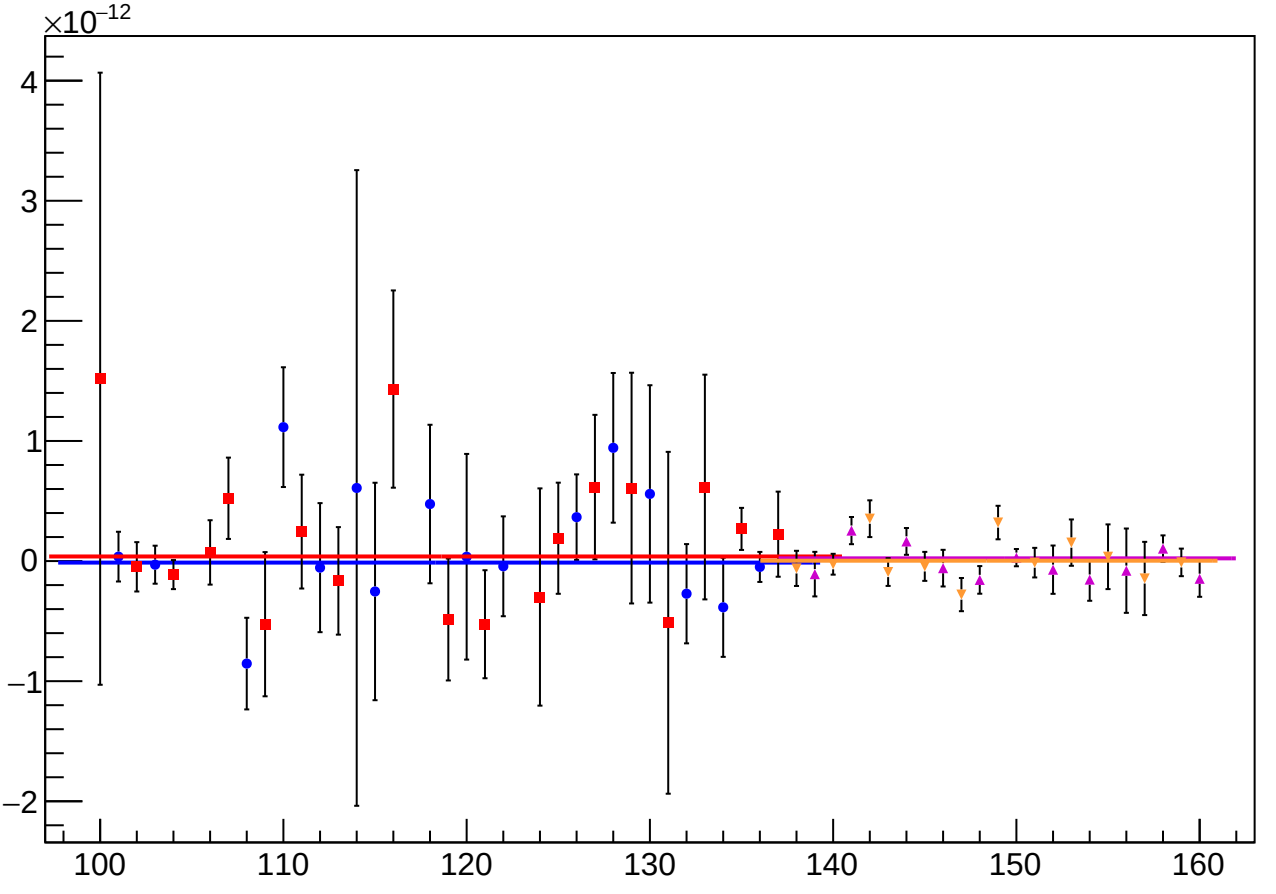
Left In: 4785.861+/-1.109 χ^2/NDF:401948.8/10

+ sign 4698.574+/-0.830 χ^2/NDF: 1309338.0/27

All: 4628.030+/-0.578 χ^2/NDF: 2716573.3/57

- 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:16.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

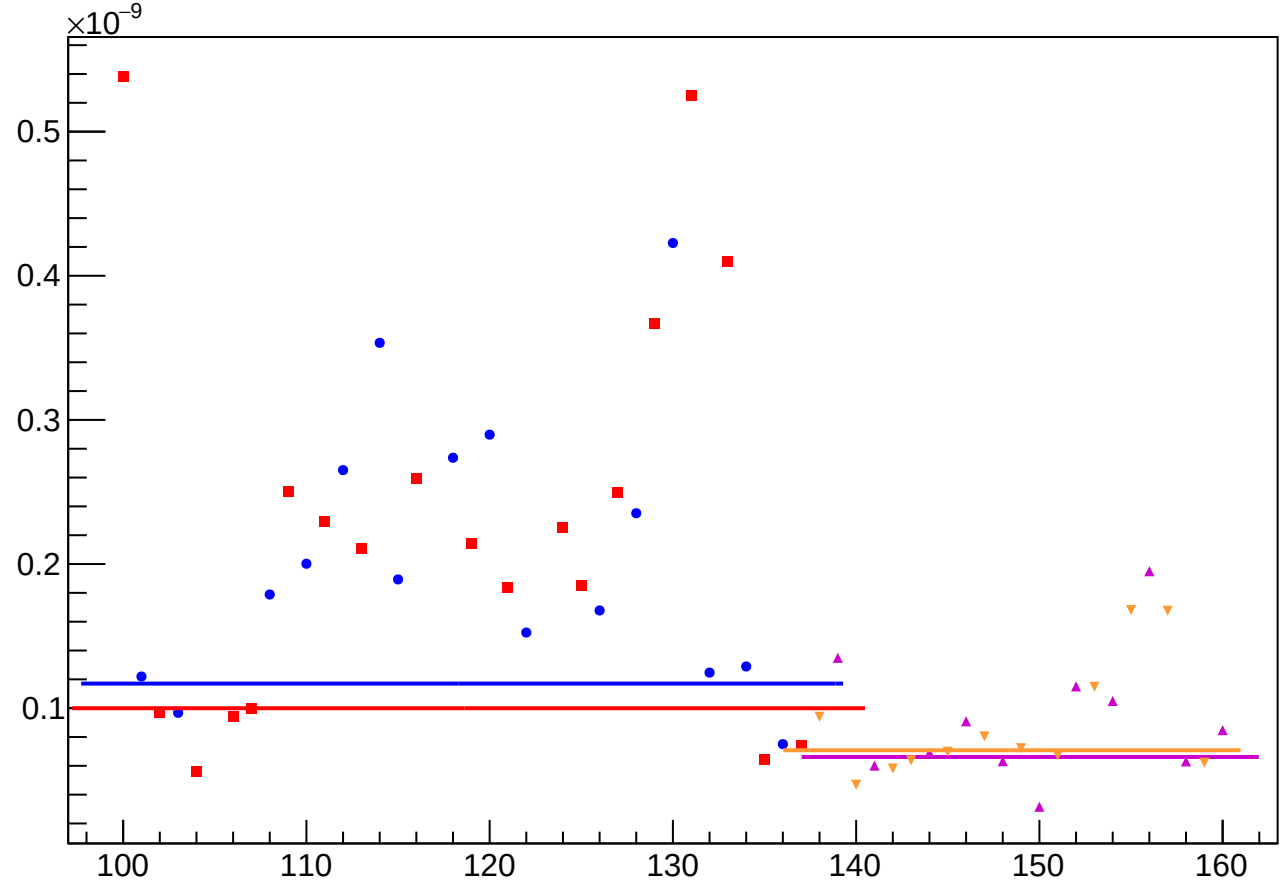
Left In: 0.000+/-0.000 χ^2/NDF:12.1/10

+ sign -0.000+/-0.000 χ^2/NDF: 32.5/27

All: 0.000+/-0.000 χ^2/NDF: 60.0/57

- sign 0.000+/-0.000 χ^2/NDF: 27.1/29

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:812997.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

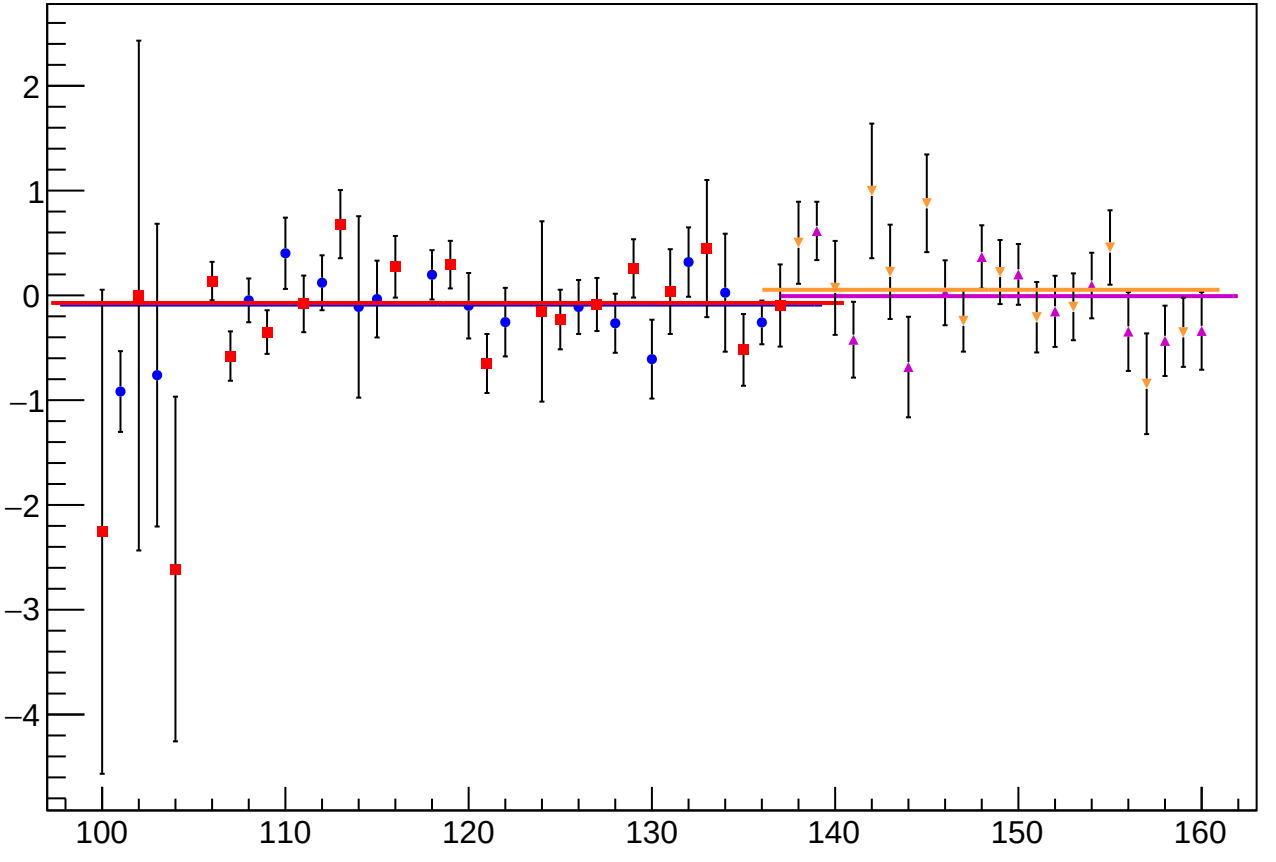
Left In: 0.000+/-0.000 χ^2/NDF:1313922.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 2507766.2/27

All: 0.000+/-0.000 χ^2/NDF: 6048880.1/57

- 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: 0.053+/-0.108 χ^2/NDF:15.2/11

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

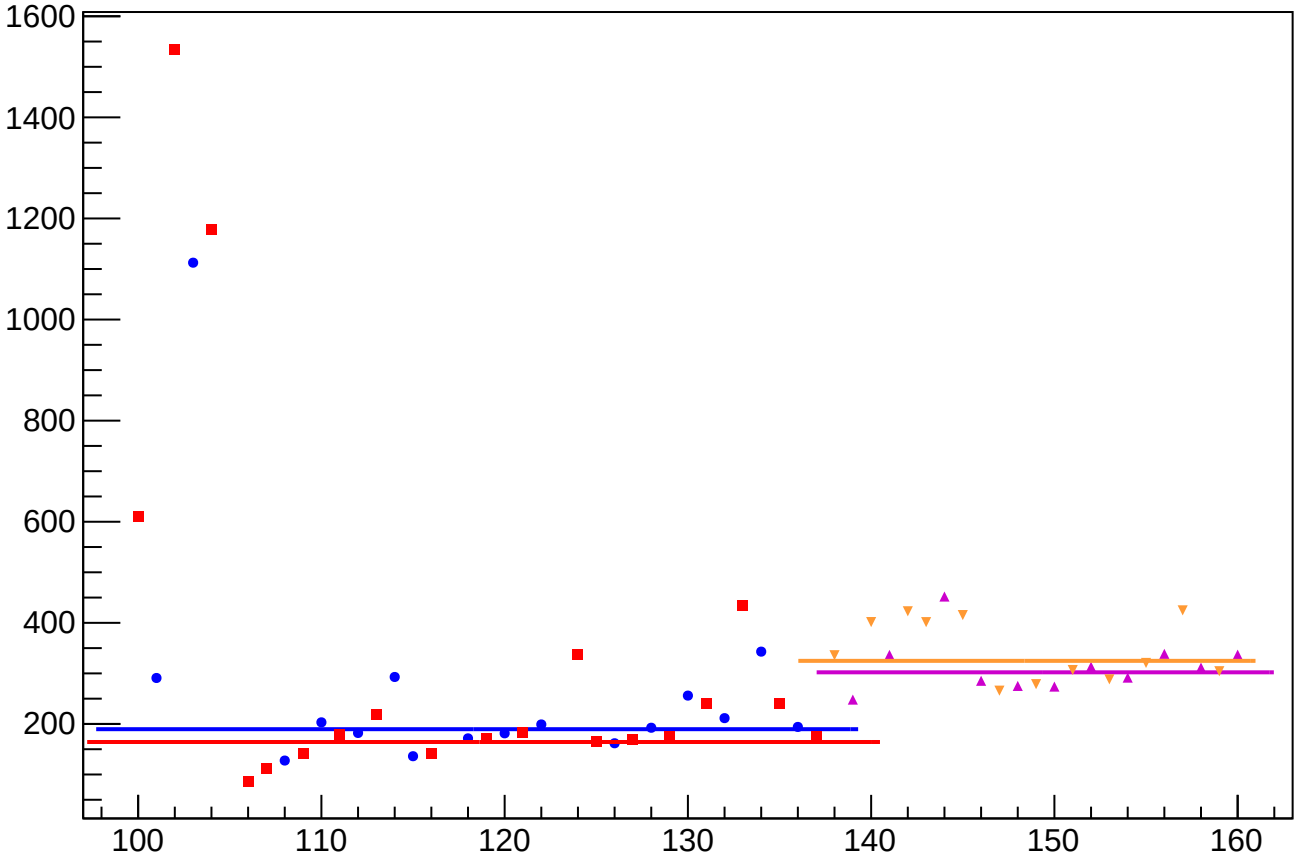
Left In: -0.007+/-0.100 χ^2/NDF:13.9/10

+ sign -0.040+/-0.063 χ^2/NDF: 30.2/27

All: -0.046+/-0.042 χ^2/NDF: 73.1/57

- 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: 324.815+/-0.076 χ^2/NDF:492627.2/11

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

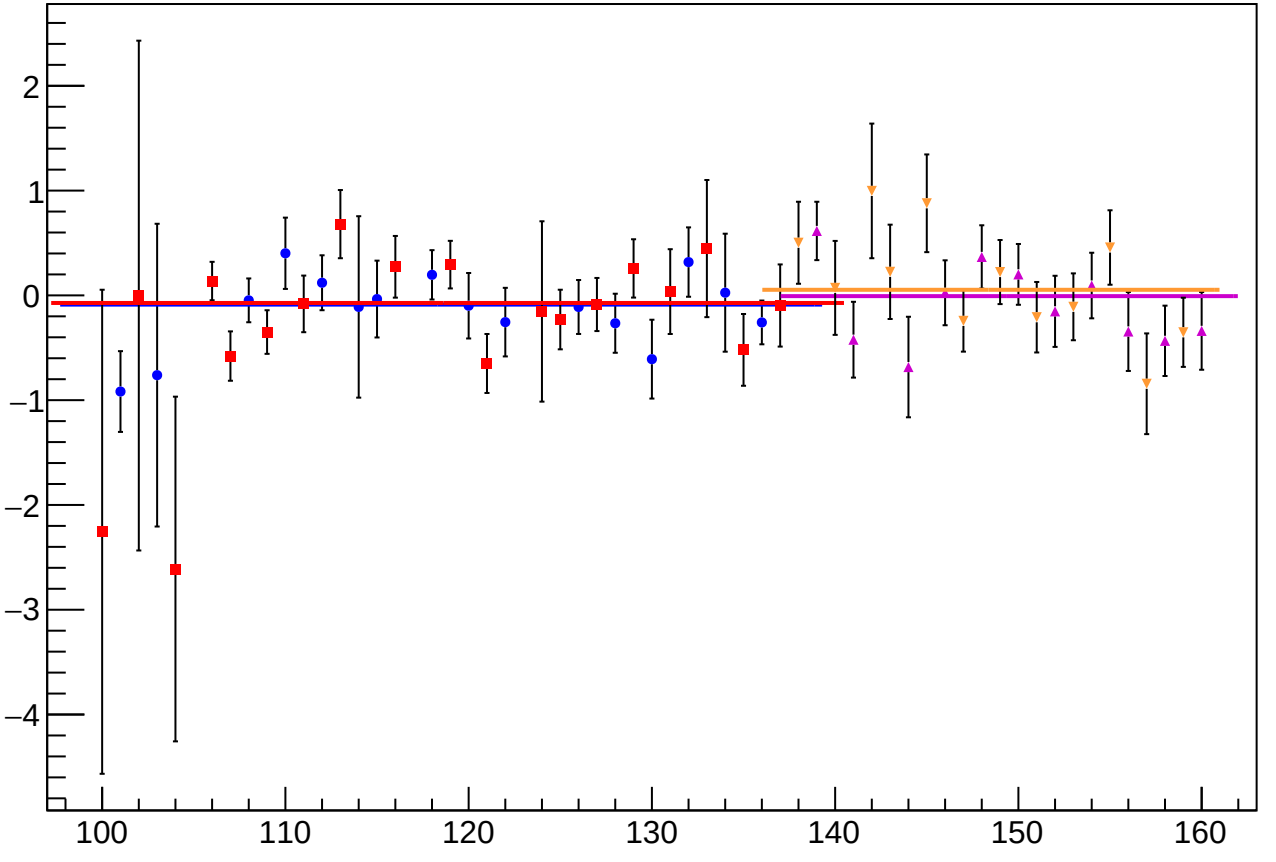
Left In: 302.125+/-0.071 χ^2/NDF:371722.1/10

+ sign 235.047+/-0.044 χ^2/NDF: 4041799.2/27

All: 221.270+/-0.030 χ^2/NDF: 9789341.2/57

- 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: 0.053+/-0.108 χ^2/NDF:15.2/11

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

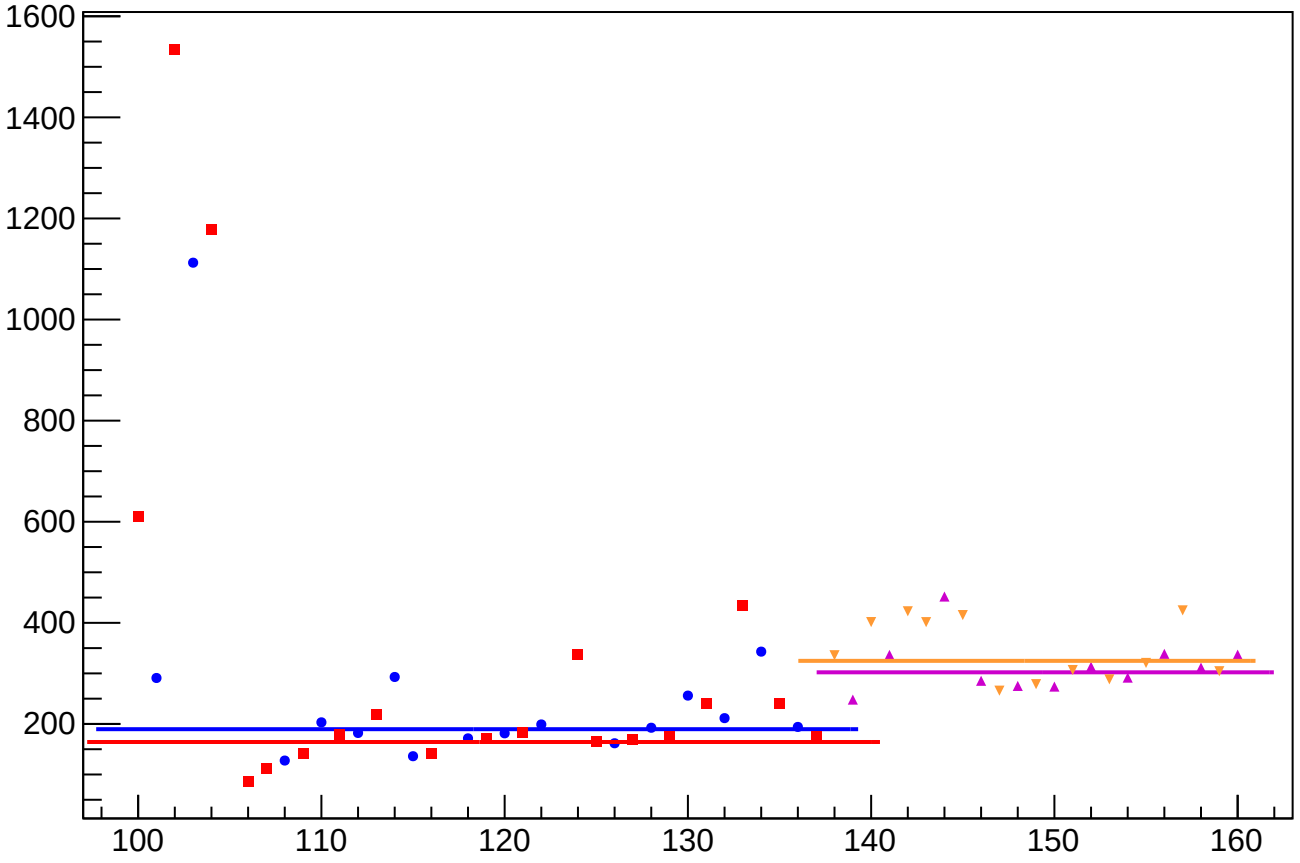
Left In: -0.007+/-0.100 χ^2/NDF:13.9/10

+ sign -0.040+/-0.063 χ^2/NDF: 30.2/27

All: -0.046+/-0.042 χ^2/NDF: 73.1/57

- 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: 324.815+/-0.076 χ^2/NDF:492627.2/11

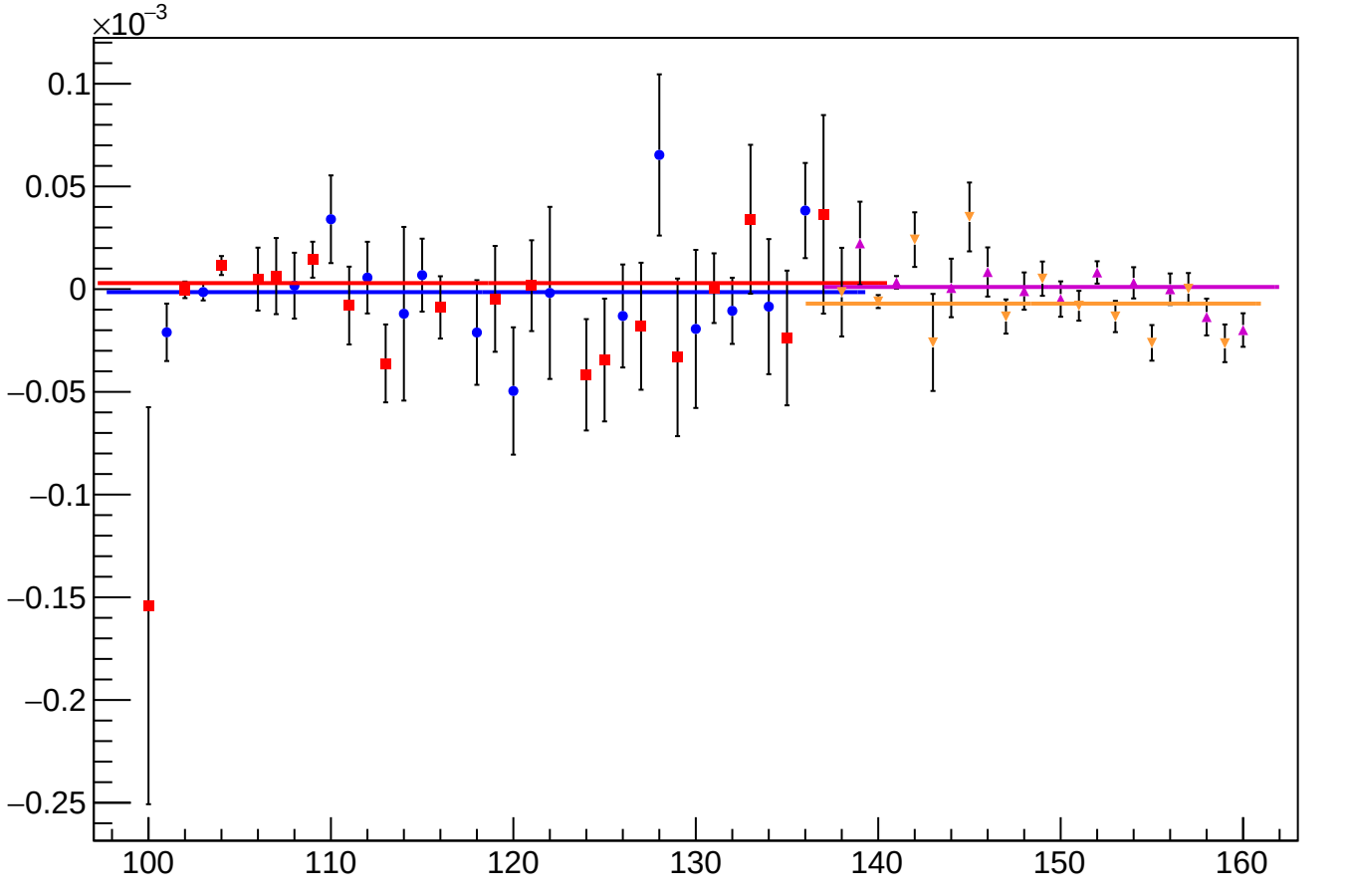
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 302.125+/-0.071 χ^2/NDF:371722.1/10

+ sign 235.047+/-0.044 χ^2/NDF: 4041799.2/27

All: 221.270+/-0.030 χ^2/NDF: 9789341.2/57

- 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:26.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

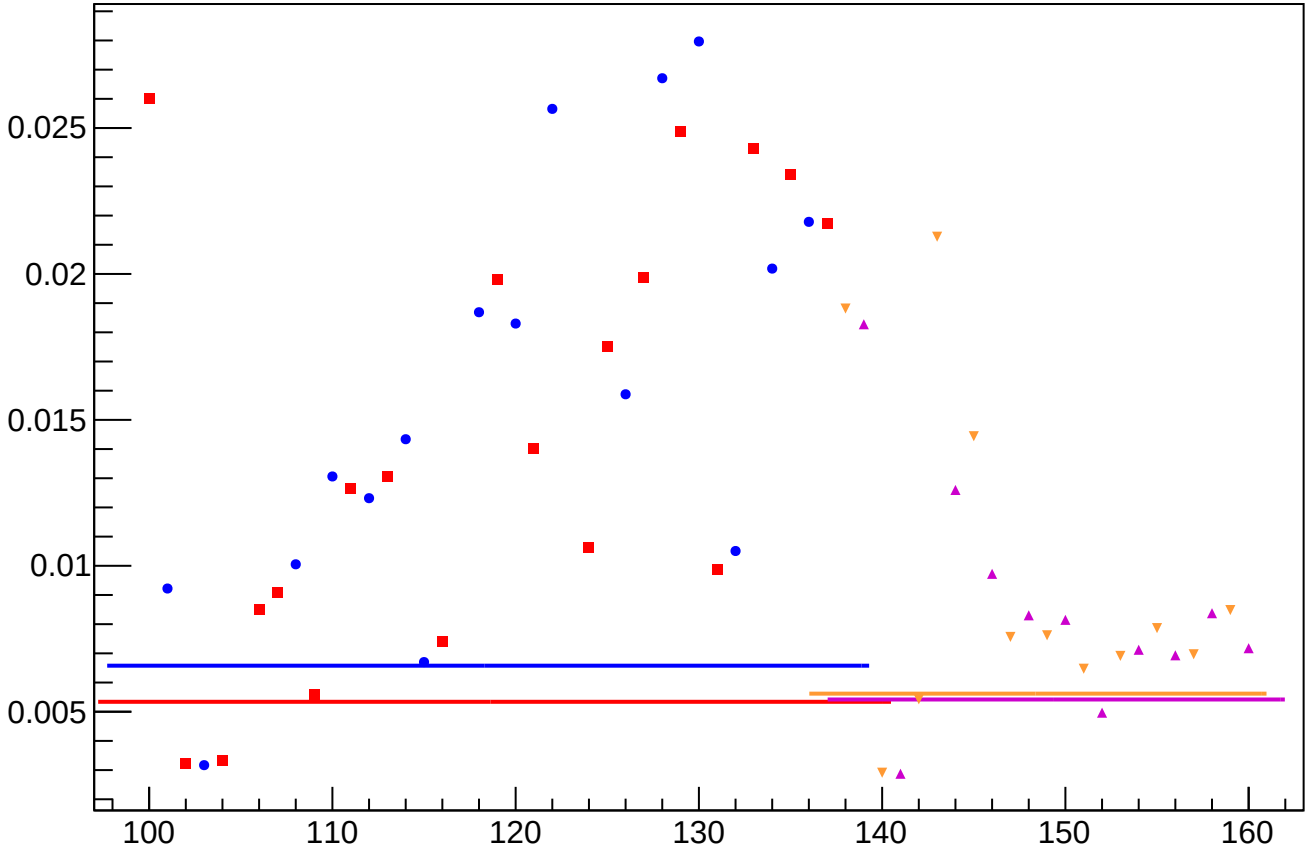
Left In: 0.000+/-0.000 χ^2/NDF:13.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 43.1/27

All: -0.000+/-0.000 χ^2/NDF: 87.3/57

- sign 0.000+/-0.000 χ^2/NDF: 35.2/29

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:4339715.9/11

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

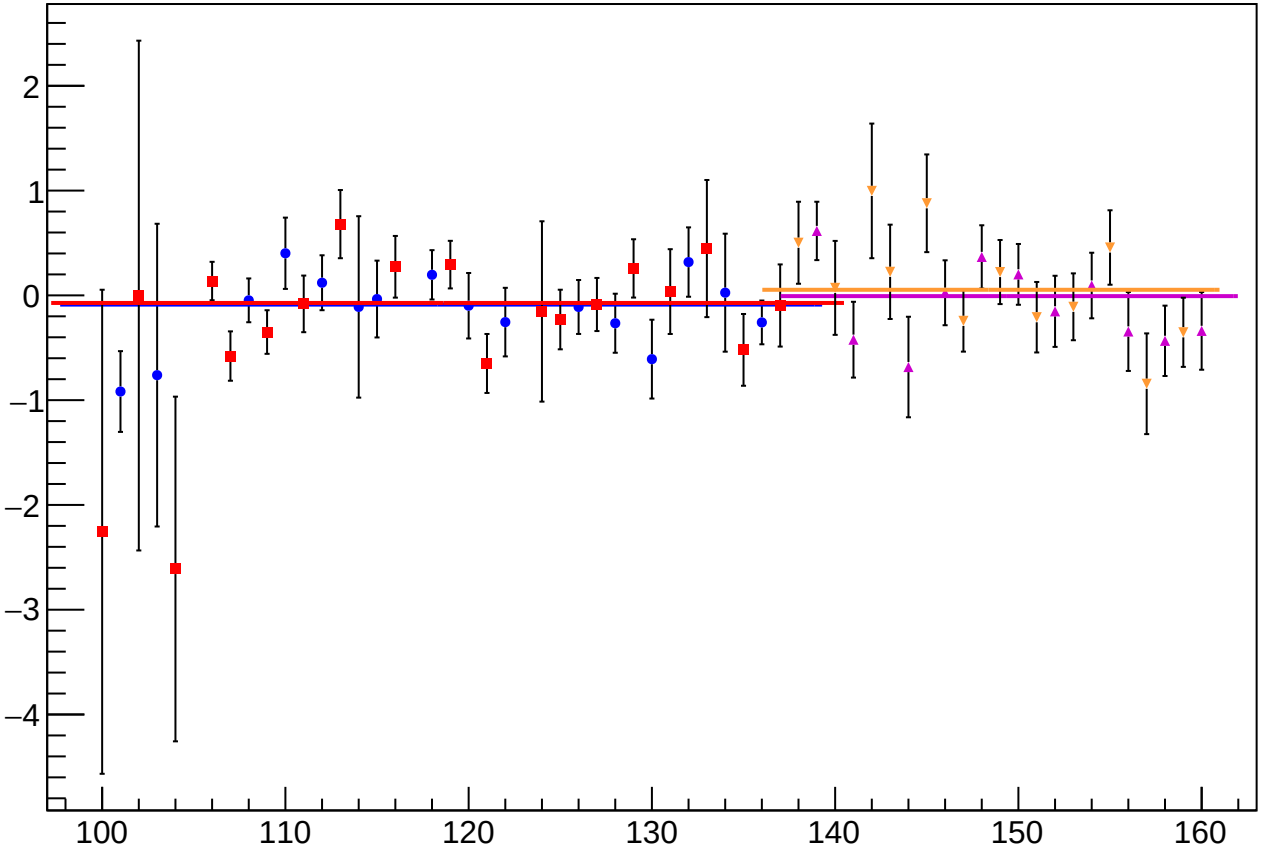
Left In: 0.005+/-0.000 χ^2/NDF:3861443.8/10

+ sign 0.006+/-0.000 χ^2/NDF: 10385947.7/27

All: 0.006+/-0.000 χ^2/NDF: 20025516.3/57

- 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: 0.053+/-0.108 χ^2/NDF:15.2/11

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

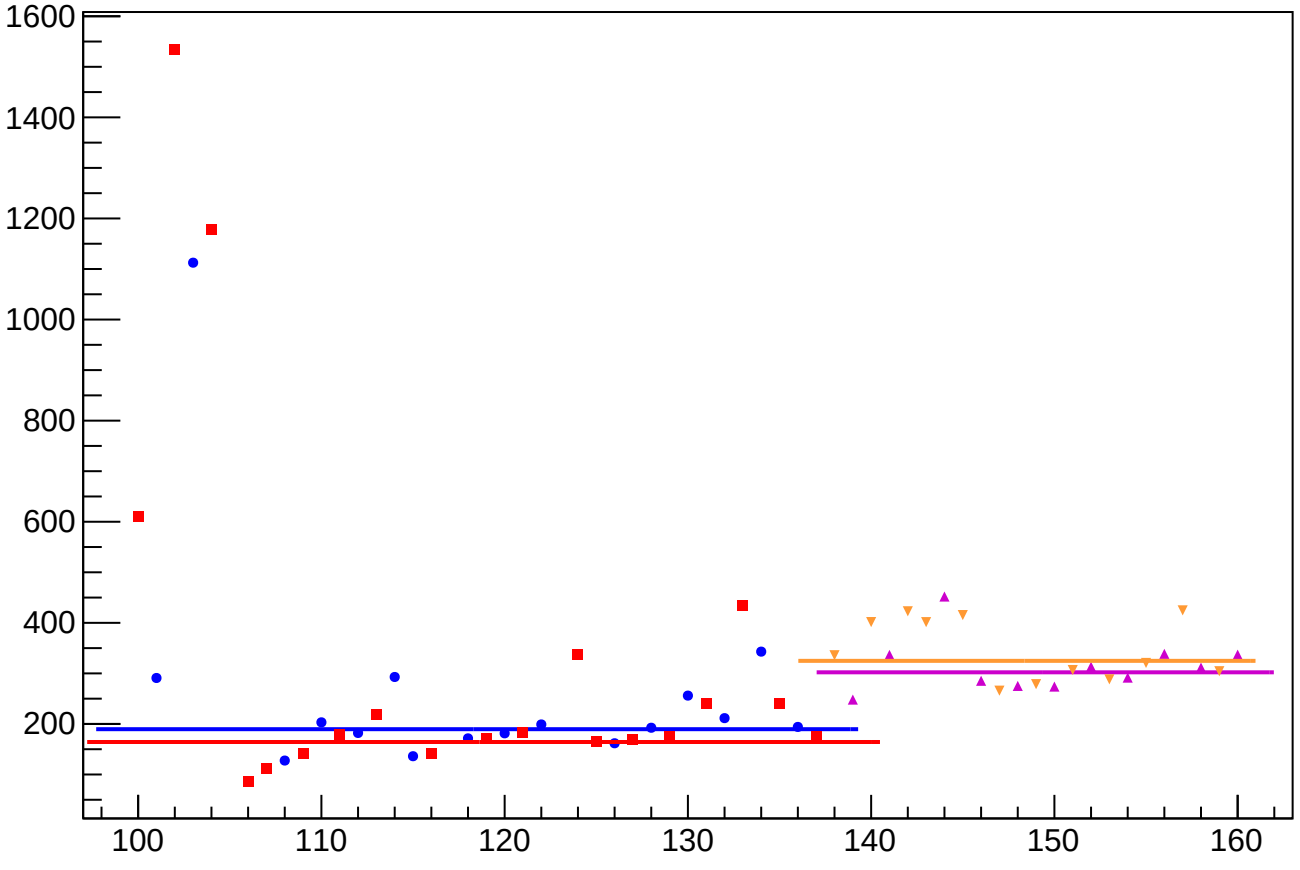
Left In: -0.007+/-0.100 χ^2/NDF:13.9/10

+ sign -0.040+/-0.063 χ^2/NDF: 30.2/27

All: -0.046+/-0.042 χ^2/NDF: 73.1/57

- 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: 324.819+/-0.076 χ^2/NDF:492612.4/11

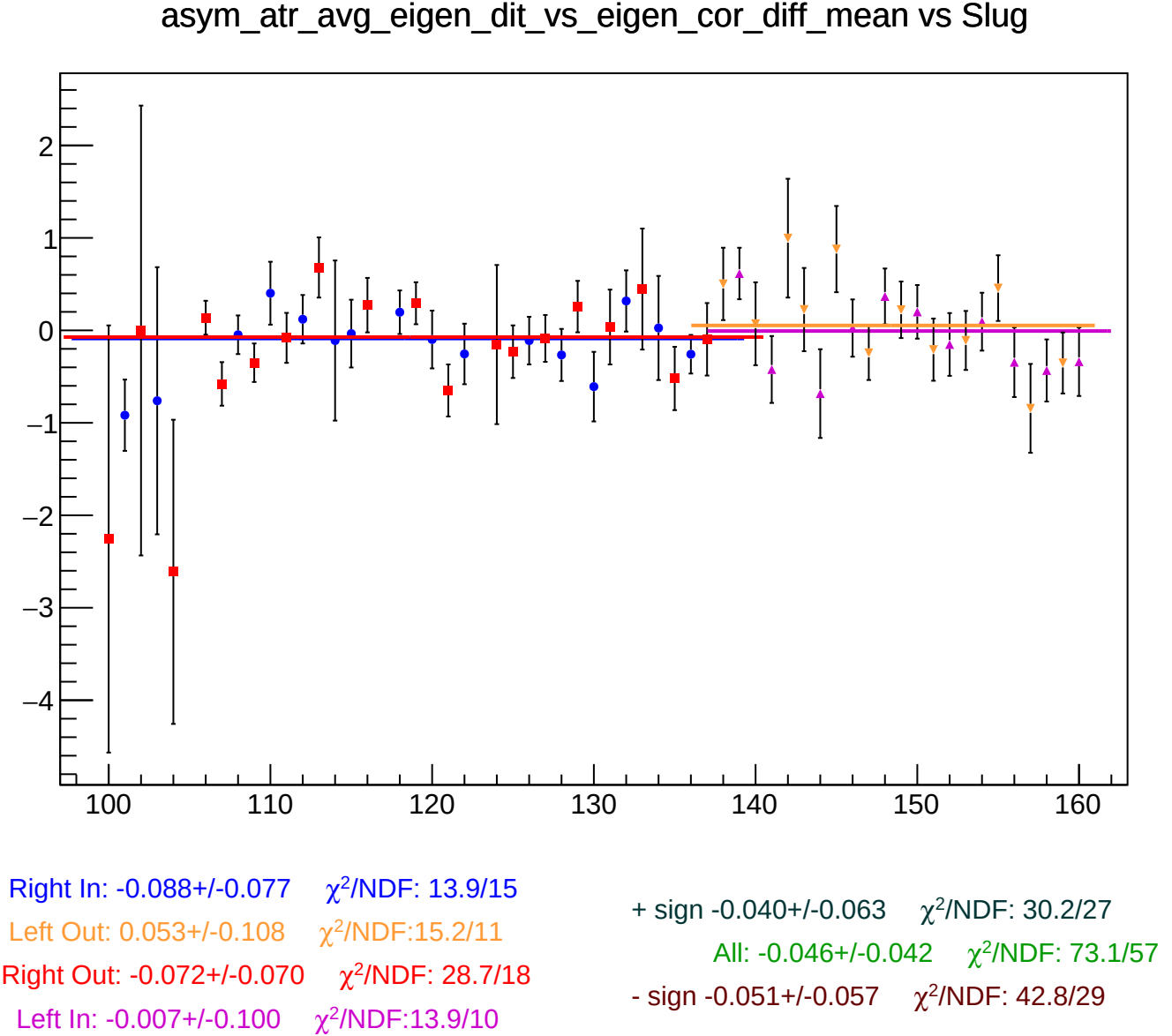
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 302.129+/-0.071 χ^2/NDF:371703.2/10

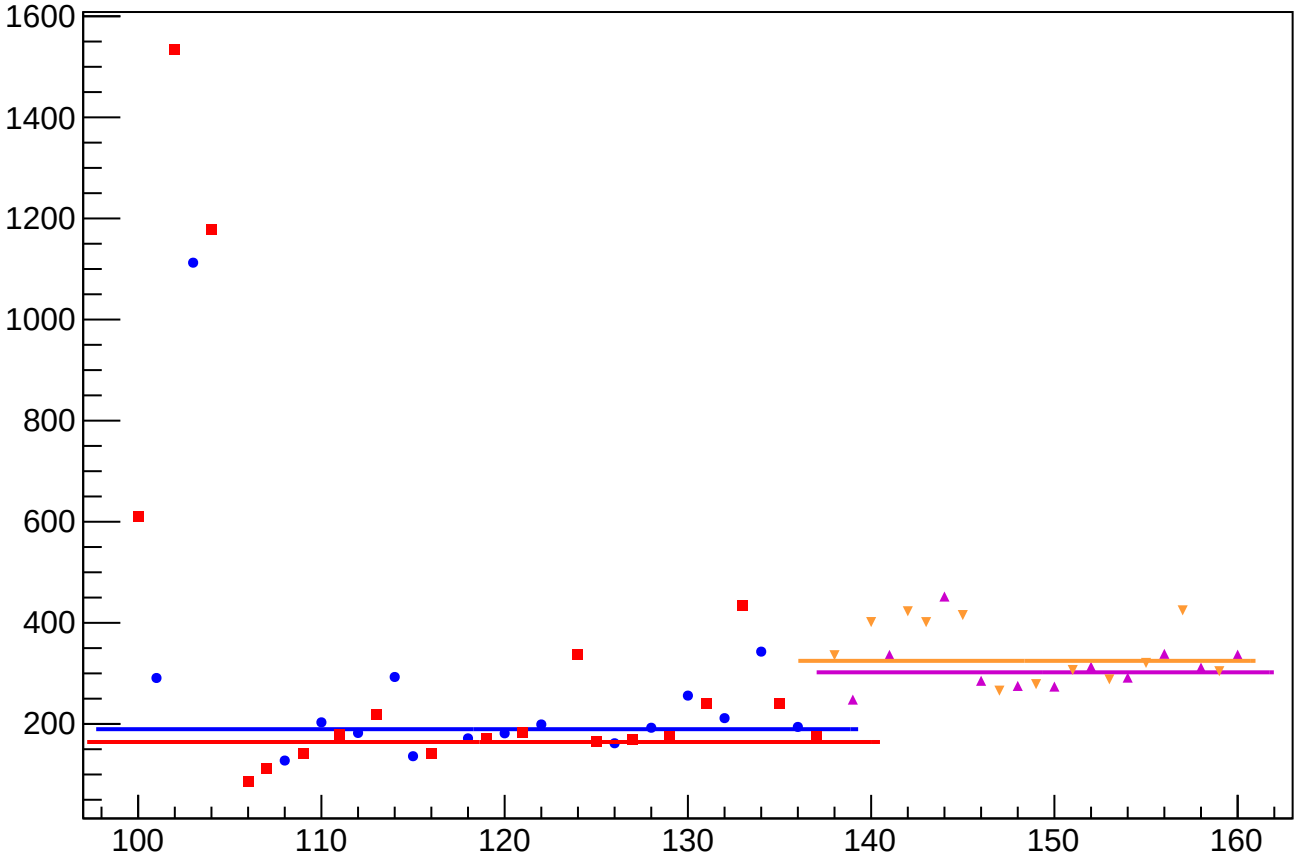
+ sign 235.047+/-0.044 χ^2/NDF: 4041887.7/27

All: 221.270+/-0.030 χ^2/NDF: 9789524.0/57

- sign 209.698+/-0.041 χ^2/NDF: 5569148.8/29


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.053+/-0.108 χ²/NDF:15.2/11
Right Out: -0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.007+/-0.100 χ²/NDF:13.9/10
+ sign -0.040+/-0.063 χ²/NDF: 30.2/27
All: -0.046+/-0.042 χ²/NDF: 73.1/57
- sign -0.051+/-0.057 χ²/NDF: 42.8/29

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 324.819+/-0.076 χ^2/NDF:492612.4/11

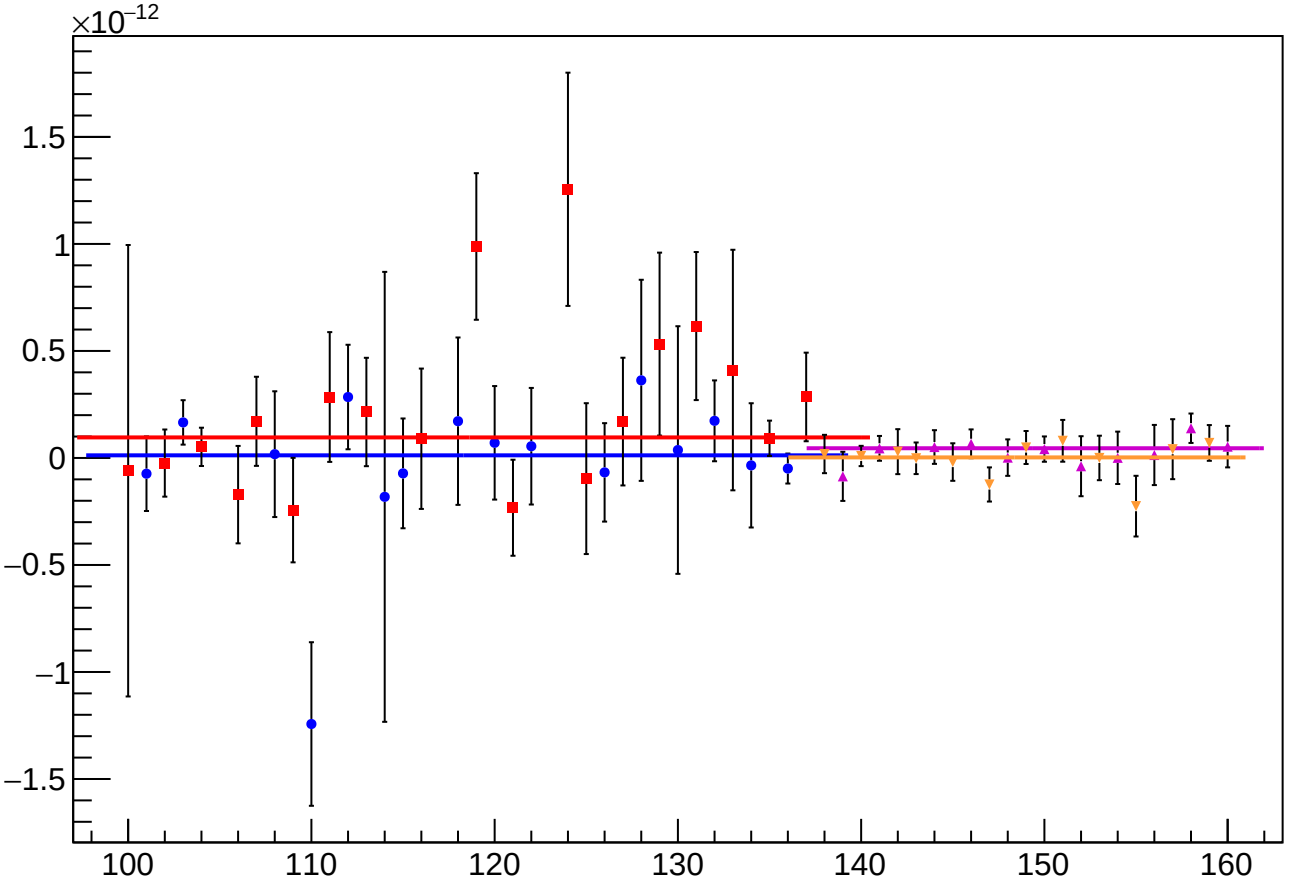
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 302.129+/-0.071 χ^2/NDF:371703.2/10

+ sign 235.047+/-0.044 χ^2/NDF: 4041887.7/27

All: 221.270+/-0.030 χ^2/NDF: 9789524.0/57

- sign 209.698+/-0.041 χ^2/NDF: 5569148.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/11

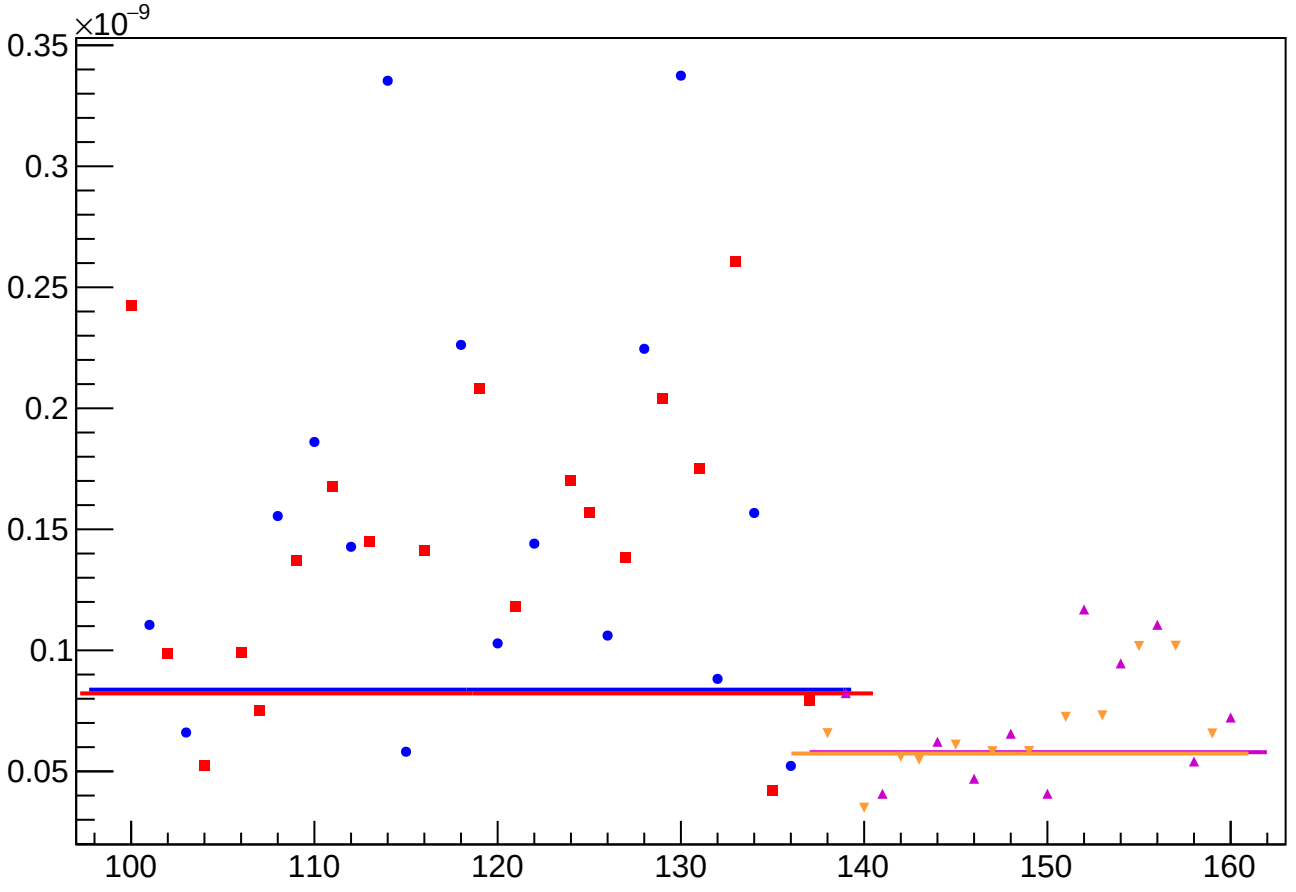
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 24.1/27

All: 0.000+/-0.000 χ^2/NDF: 55.3/57

- sign 0.000+/-0.000 χ^2/NDF: 28.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:983187.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

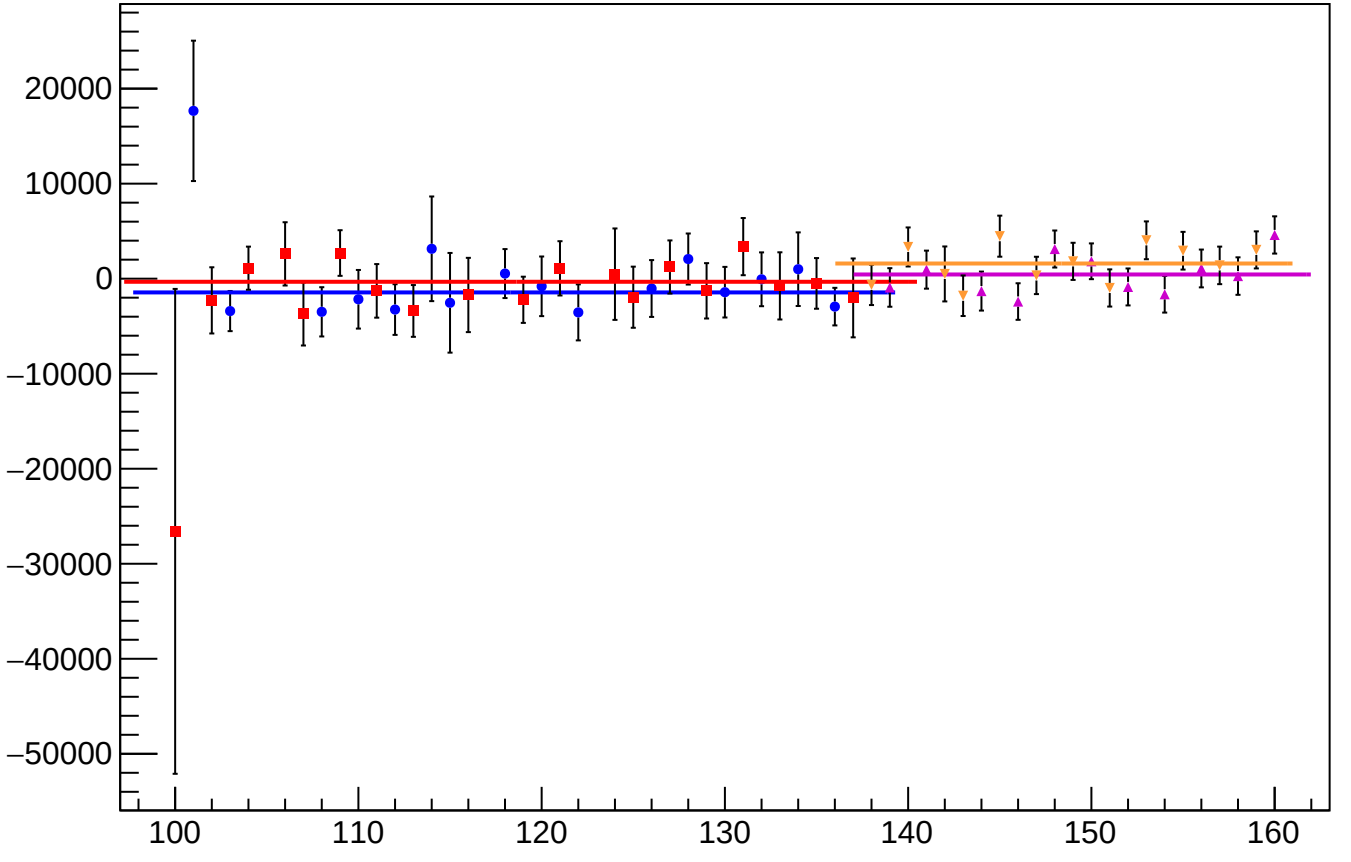
Left In: 0.000+/-0.000 χ^2/NDF:1373624.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 3617801.0/27

All: 0.000+/-0.000 χ^2/NDF: 7717148.4/57

- 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: 1595.992+/-595.458 χ^2/NDF:11.0/11

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

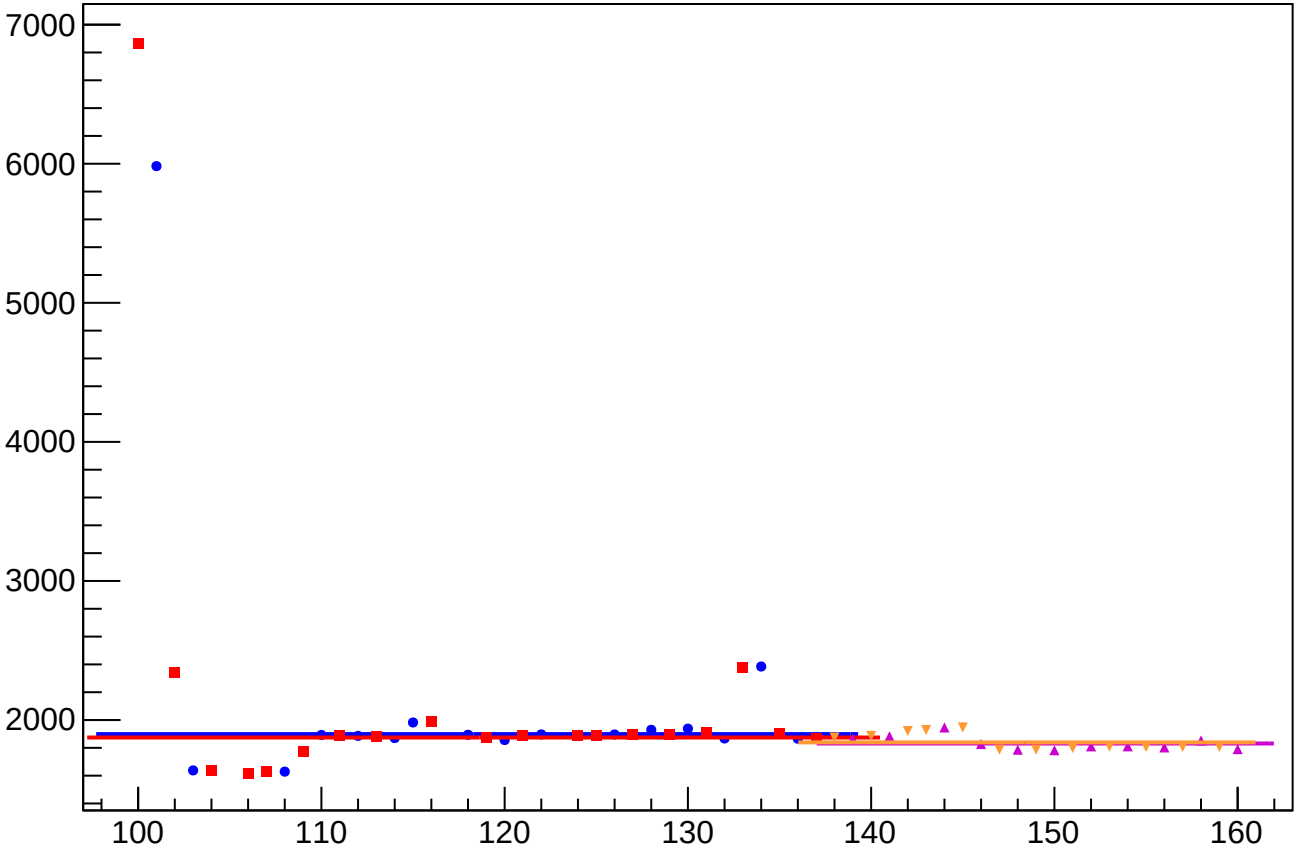
Left In: 442.258+/-592.455 χ^2/NDF:12.1/10

+ sign 366.600+/-459.674 χ^2/NDF: 35.0/27

All: 243.034+/-322.630 χ^2/NDF: 57.9/57

- 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: 1839.251+/-0.421 χ^2/NDF:17434.5/11

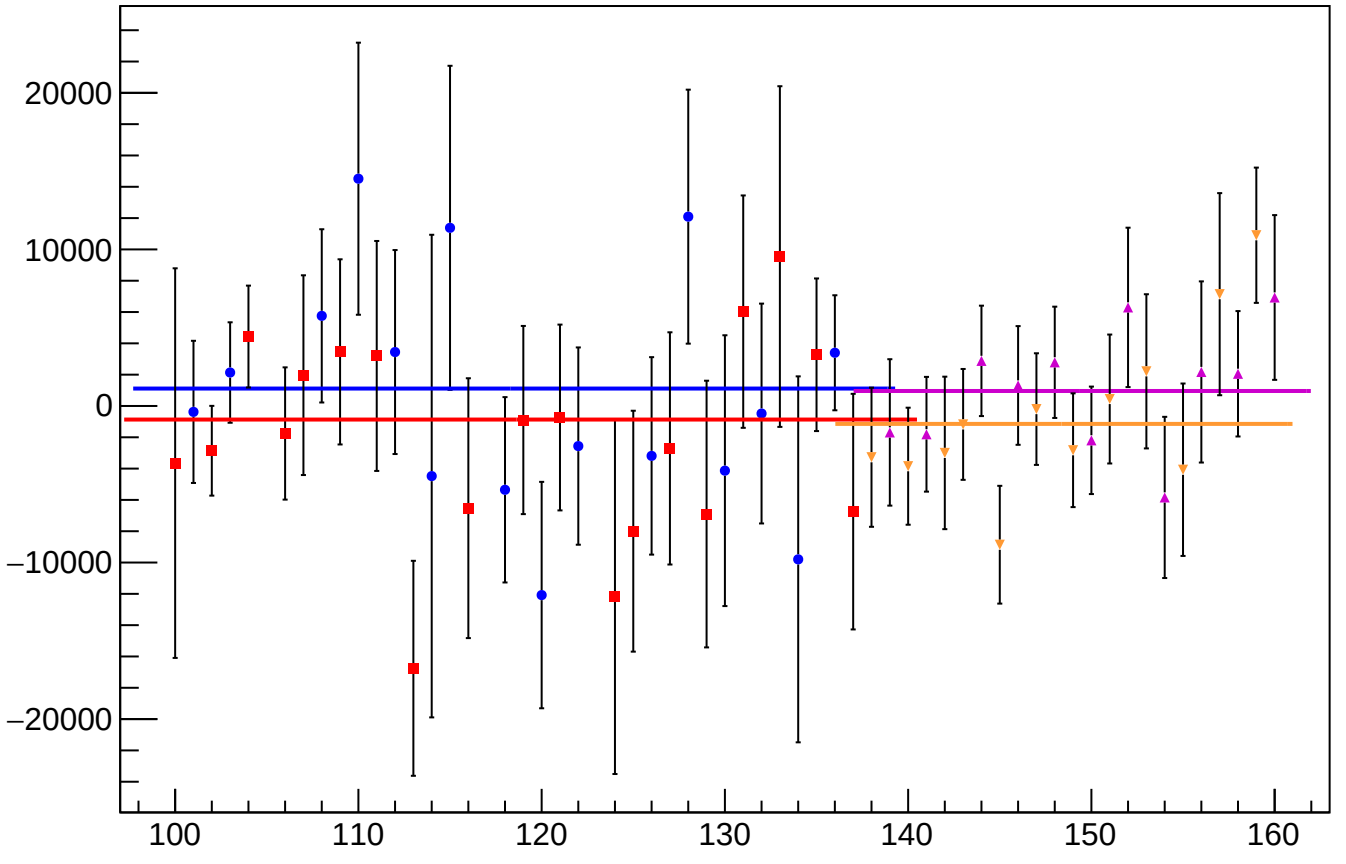
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1831.203+/-0.419 χ^2/NDF:12599.4/10

+ sign 1863.323+/-0.325 χ^2/NDF: 723038.0/27

All: 1856.128+/-0.228 χ^2/NDF: 948664.6/57

- 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: -1145.174+/-1212.596 χ^2/NDF:15.7/11

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

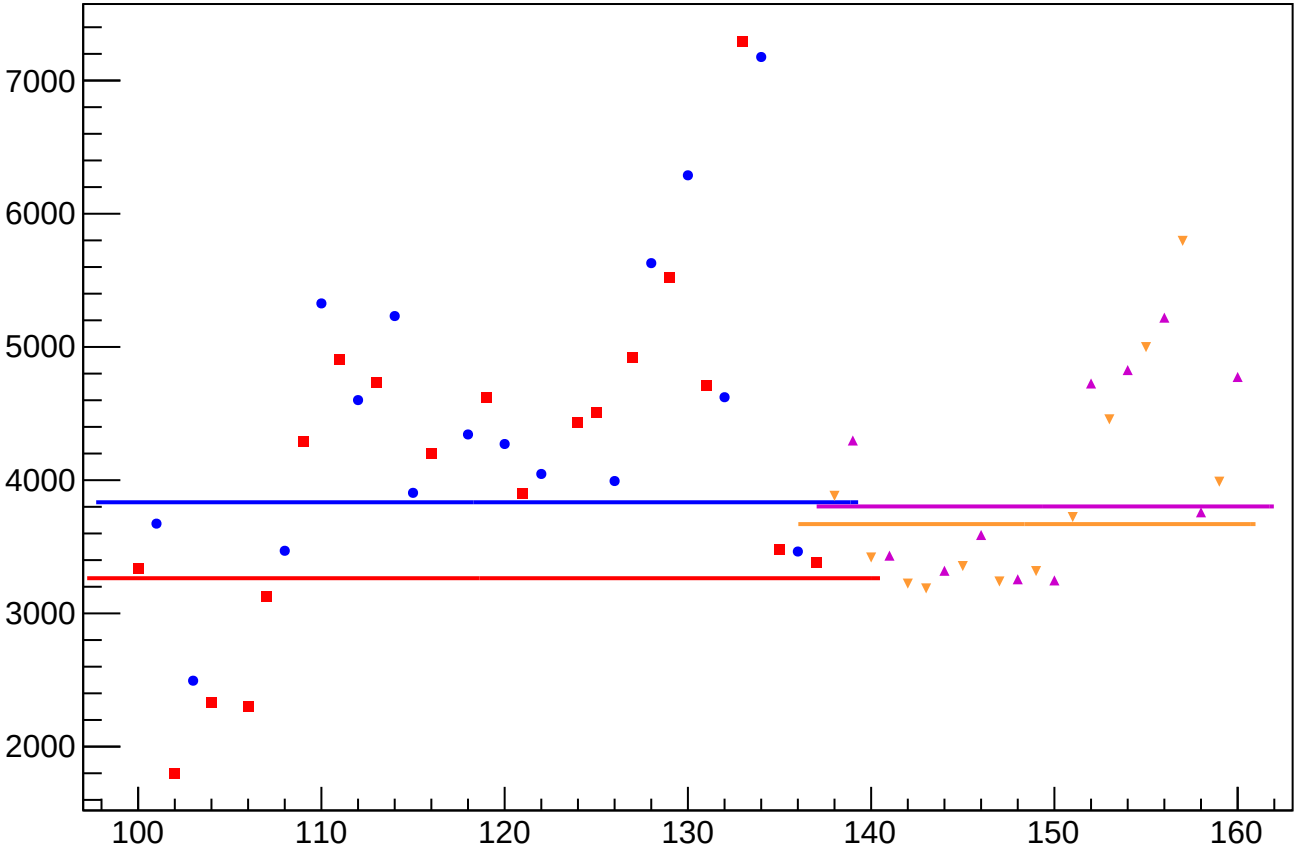
Left In: 957.321+/-1251.064 χ^2/NDF:6.6/10

+ sign -237.738+/-937.786 χ^2/NDF: 30.5/27

All: -70.318+/-650.780 χ^2/NDF: 53.7/57

- 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: 3670.335+/-0.857 χ^2/NDF:525240.8/11

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

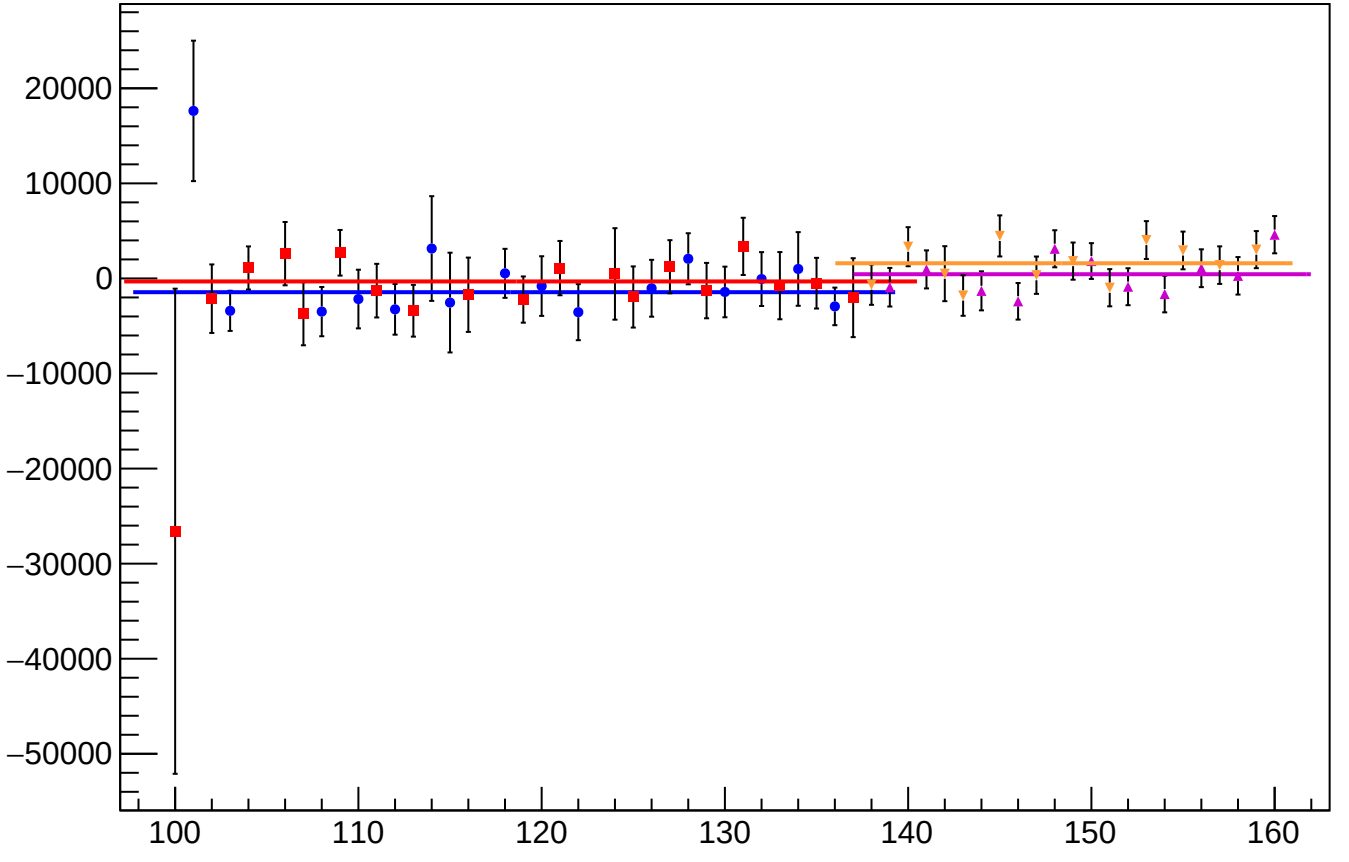
Left In: 3802.809+/-0.885 χ^2/NDF:519556.5/10

+ sign 3736.177+/-0.663 χ^2/NDF: 1496688.7/27

All: 3637.211+/-0.460 χ^2/NDF: 4100725.1/57

- 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: 1596.140+/-595.458 χ^2/NDF:11.0/11

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

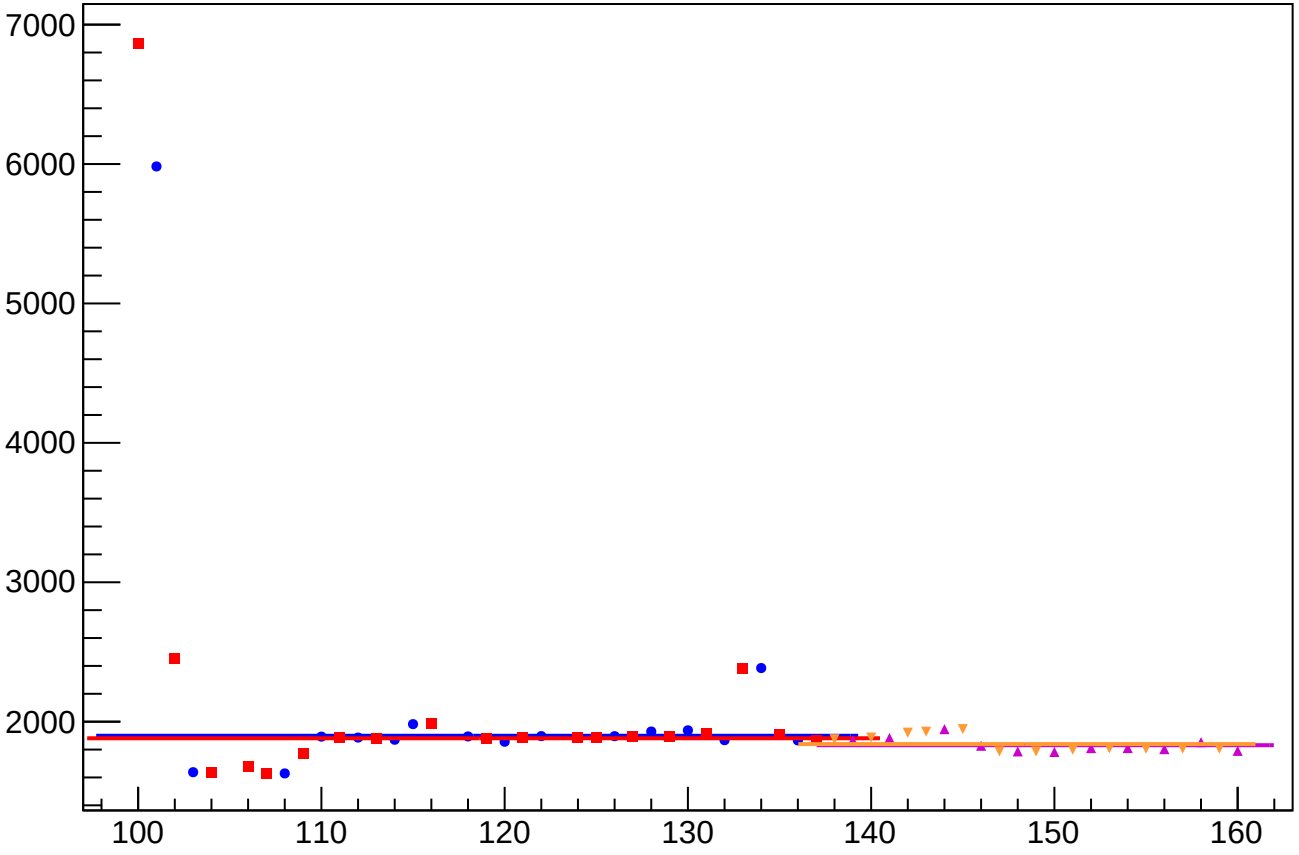
Left In: 442.285+/-592.455 χ^2/NDF:12.1/10

+ sign 366.532+/-459.674 χ^2/NDF: 35.0/27

All: 245.529+/-322.722 χ^2/NDF: 57.8/57

- 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: 1839.251+/-0.421 χ^2/NDF:17434.4/11

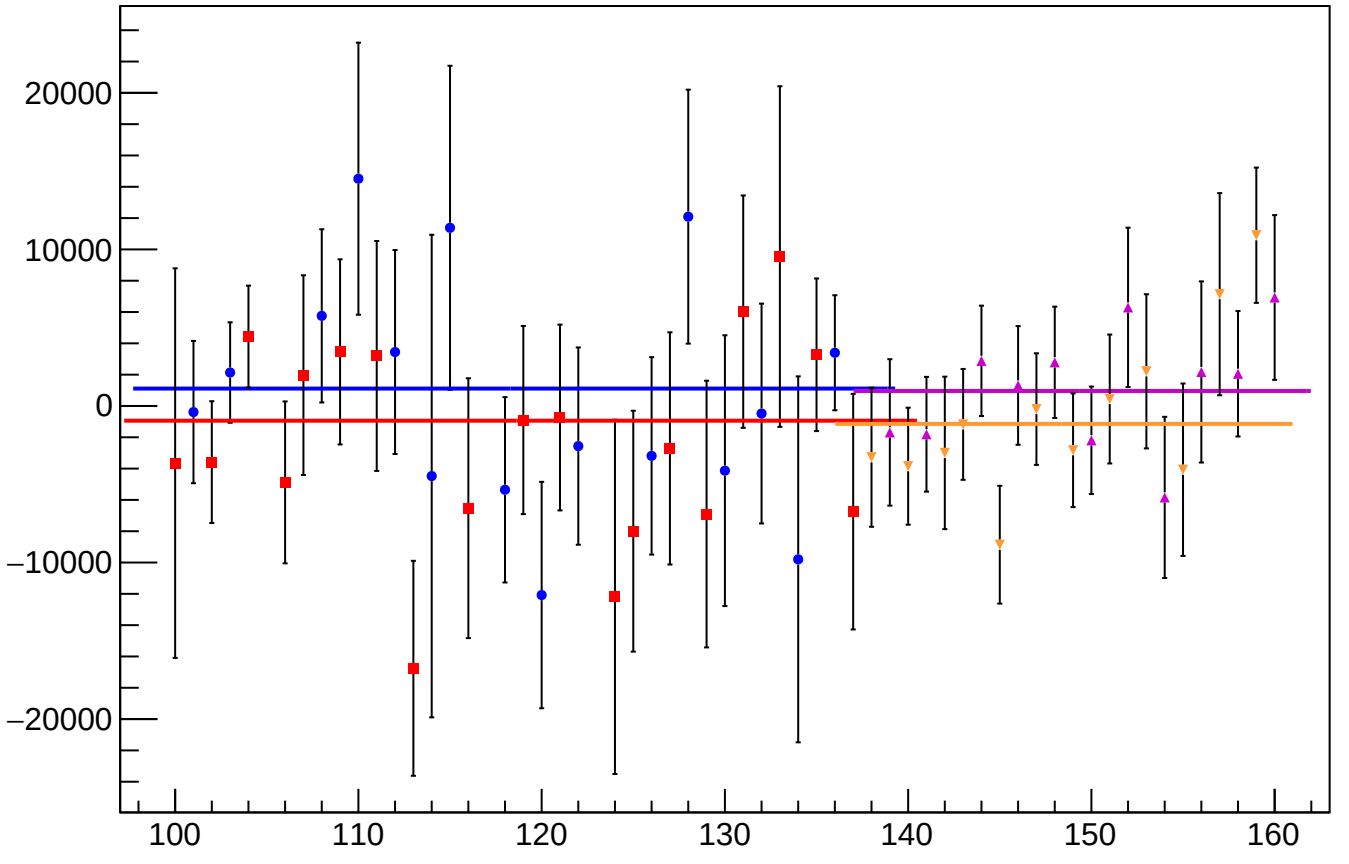
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1831.203+/-0.419 χ^2/NDF:12599.4/10

+ sign 1863.323+/-0.325 χ^2/NDF: 723038.1/27

All: 1857.528+/-0.228 χ^2/NDF: 958702.5/57

- 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: -1145.110+/-1212.595 χ^2/NDF:15.7/11

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

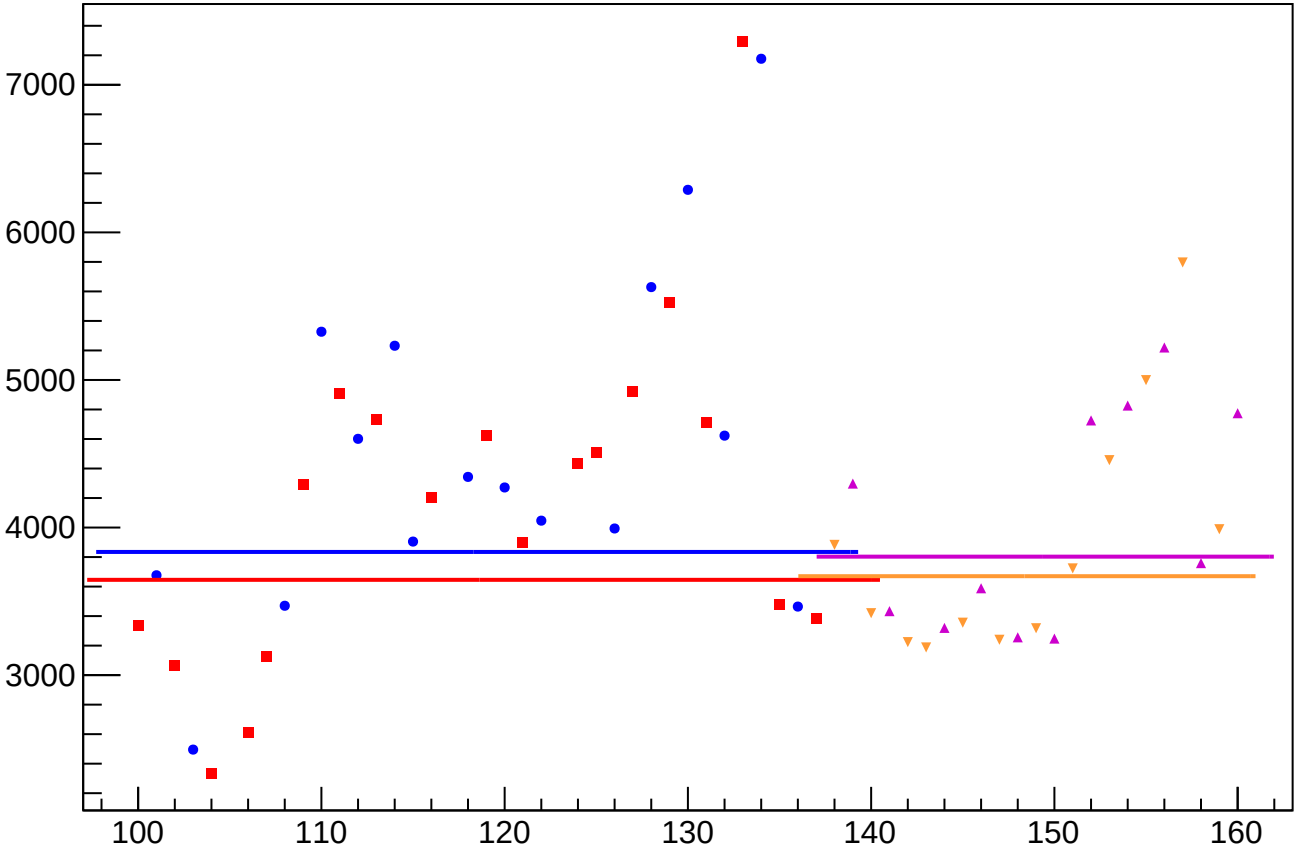
Left In: 957.439+/-1251.063 χ^2/NDF:6.6/10

\+ sign -238.298+/-937.830 χ^2/NDF: 30.5/27

All: -61.161+/-661.276 χ^2/NDF: 54.3/57

\- 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: 3670.332+/-0.857 χ^2/NDF:525240.7/11

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

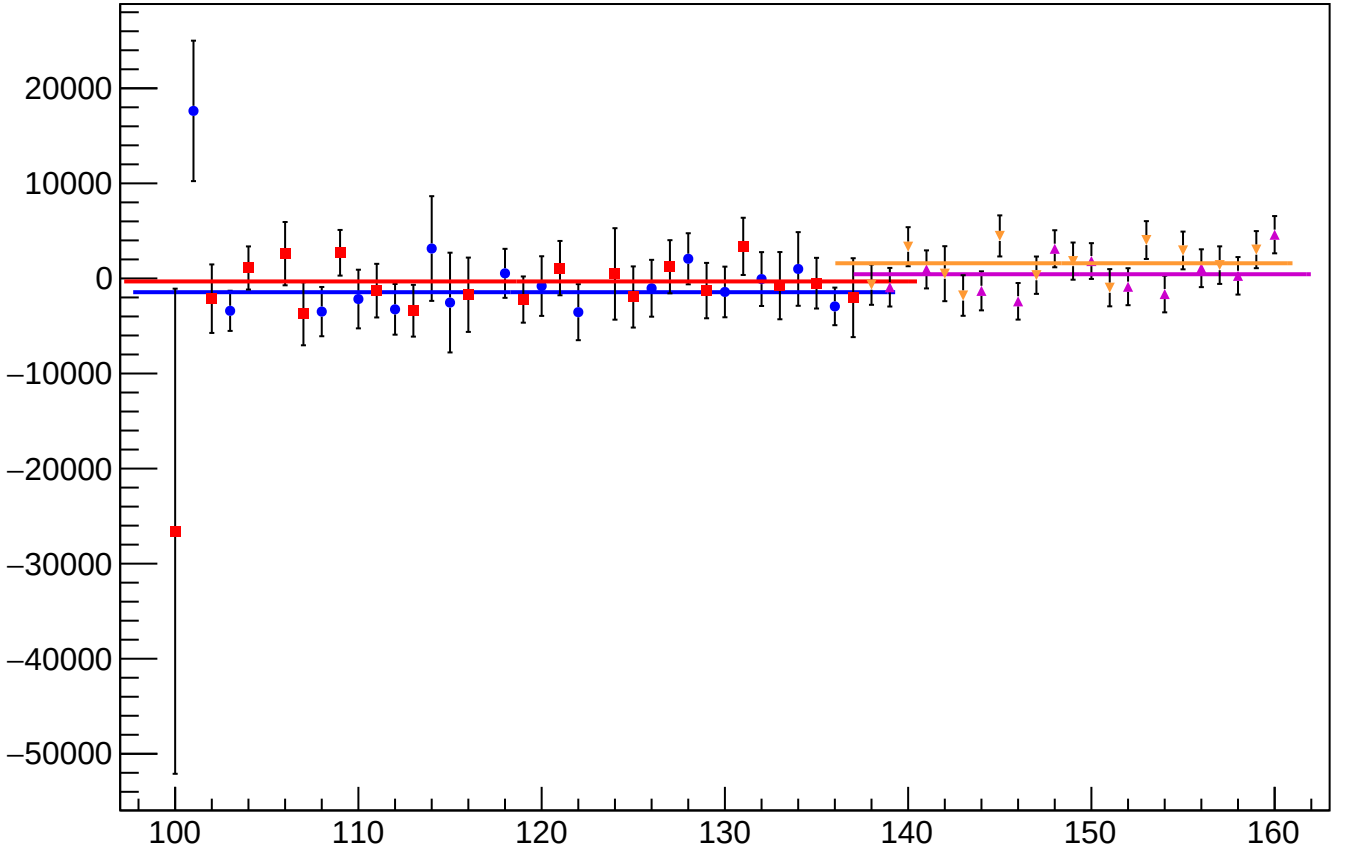
Left In: 3802.803+/-0.885 χ^2/NDF:519565.9/10

+ sign 3736.378+/-0.663 χ^2/NDF: 1496317.9/27

All: 3734.674+/-0.468 χ^2/NDF: 3154894.4/57

- 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: 1596.140+/-595.458 χ^2/NDF:11.0/11

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

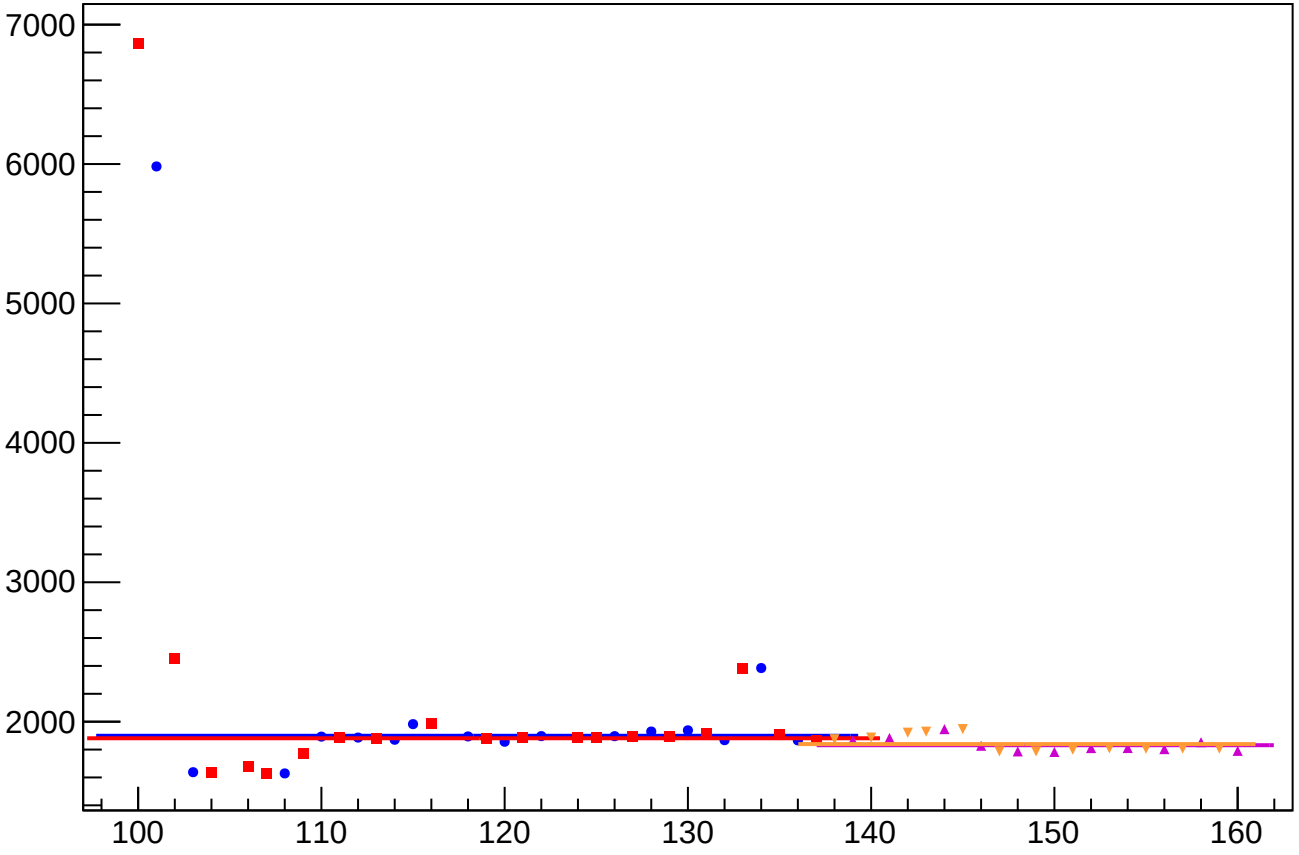
Left In: 442.285+/-592.455 χ^2/NDF:12.1/10

+ sign 366.532+/-459.674 χ^2/NDF: 35.0/27

All: 245.529+/-322.722 χ^2/NDF: 57.8/57

- 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: 1839.251+/-0.421 χ^2/NDF:17434.4/11

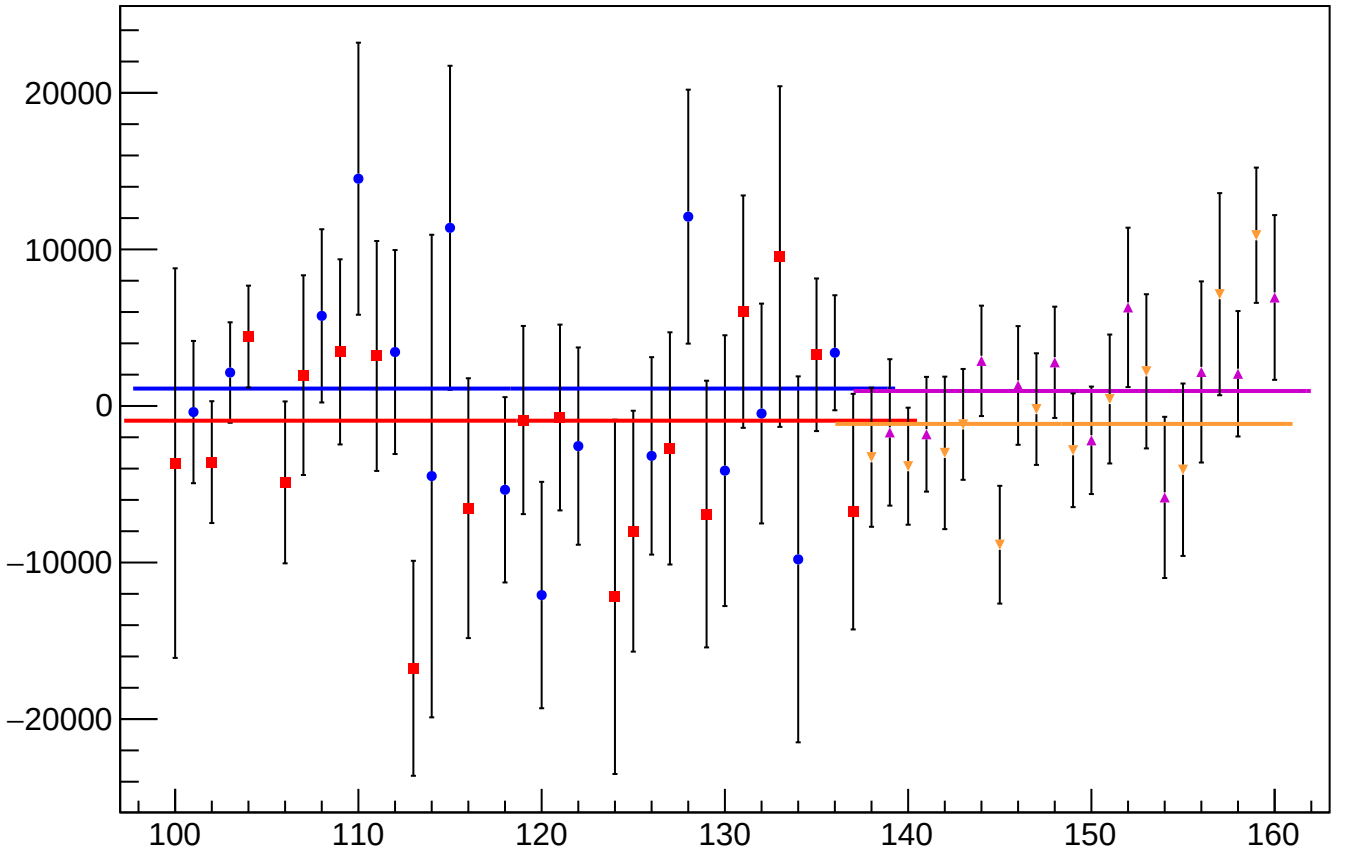
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1831.203+/-0.419 χ^2/NDF:12599.4/10

+ sign 1863.323+/-0.325 χ^2/NDF: 723038.1/27

All: 1857.528+/-0.228 χ^2/NDF: 958702.5/57

- 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: -1145.110+/-1212.595 χ^2/NDF:15.7/11

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

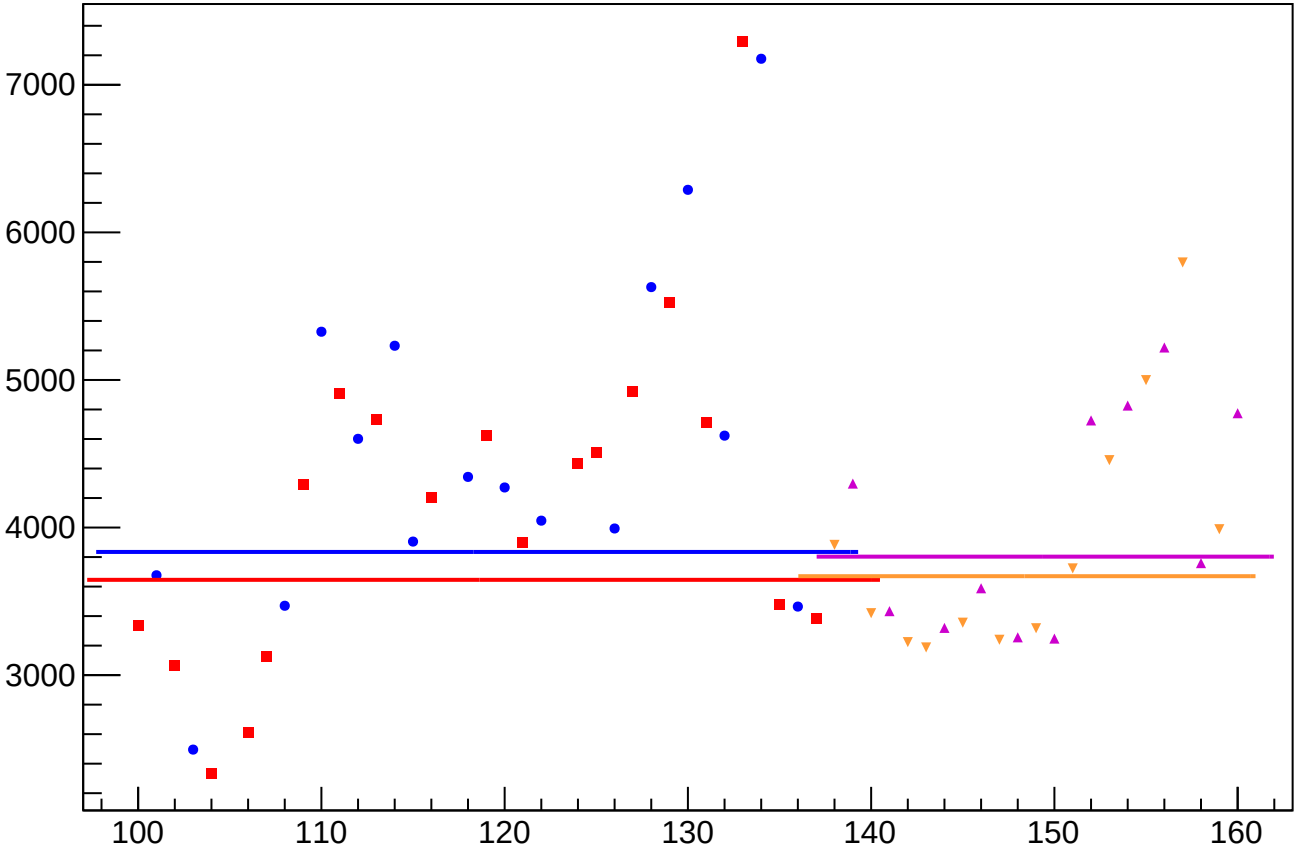
Left In: 957.439+/-1251.063 χ^2/NDF:6.6/10

+ sign -238.298+/-937.830 χ^2/NDF: 30.5/27

All: -61.161+/-661.276 χ^2/NDF: 54.3/57

- 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: 3670.332+/-0.857 χ^2/NDF:525240.7/11

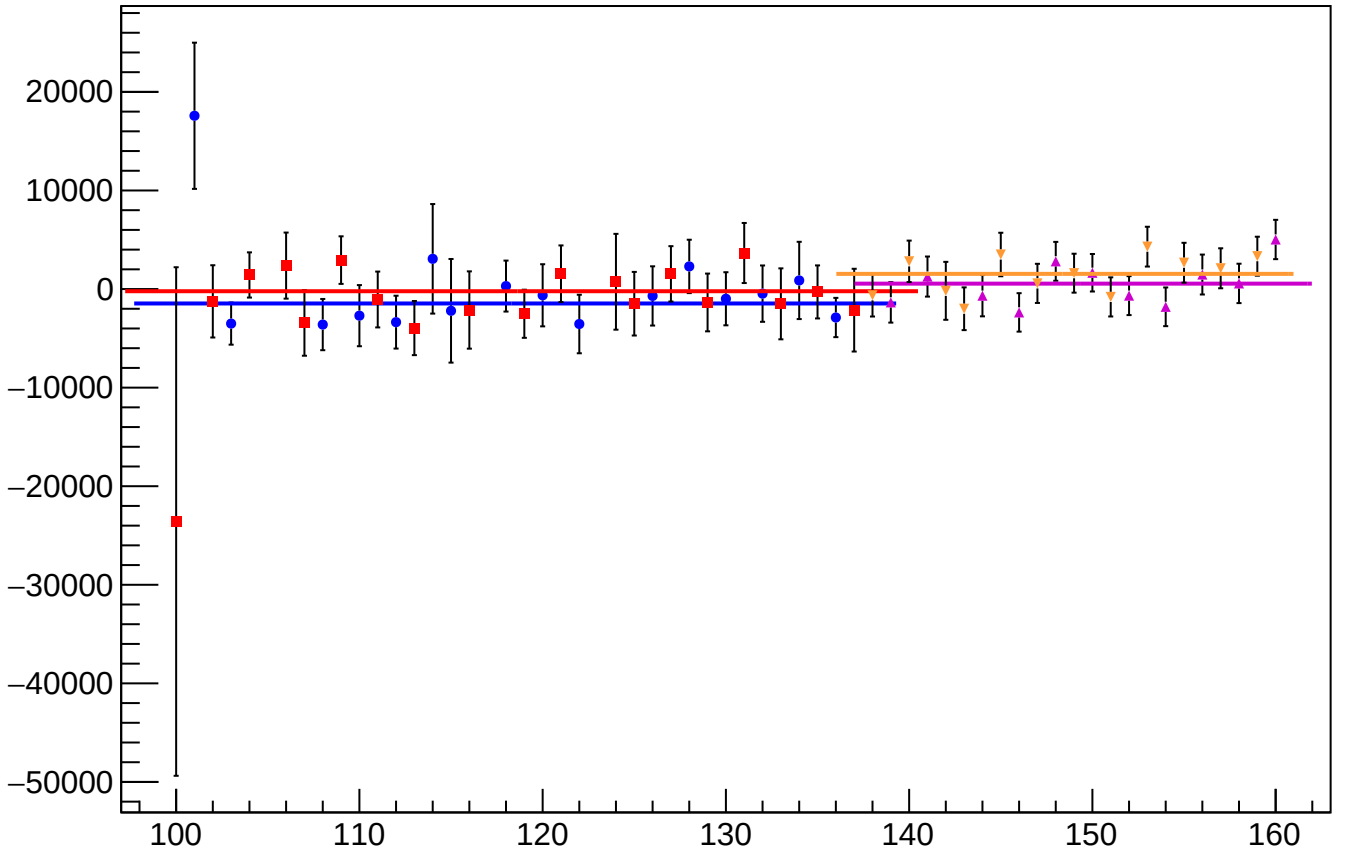
Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3802.803+/-0.885 χ^2/NDF:519565.9/10

+ sign 3736.378+/-0.663 χ^2/NDF: 1496317.9/27

All: 3734.674+/-0.468 χ^2/NDF: 3154894.4/57

- sign 3732.989+/-0.659 χ^2/NDF: 1658563.4/29



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1540.495+/-605.261 χ^2/NDF:9.9/11

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

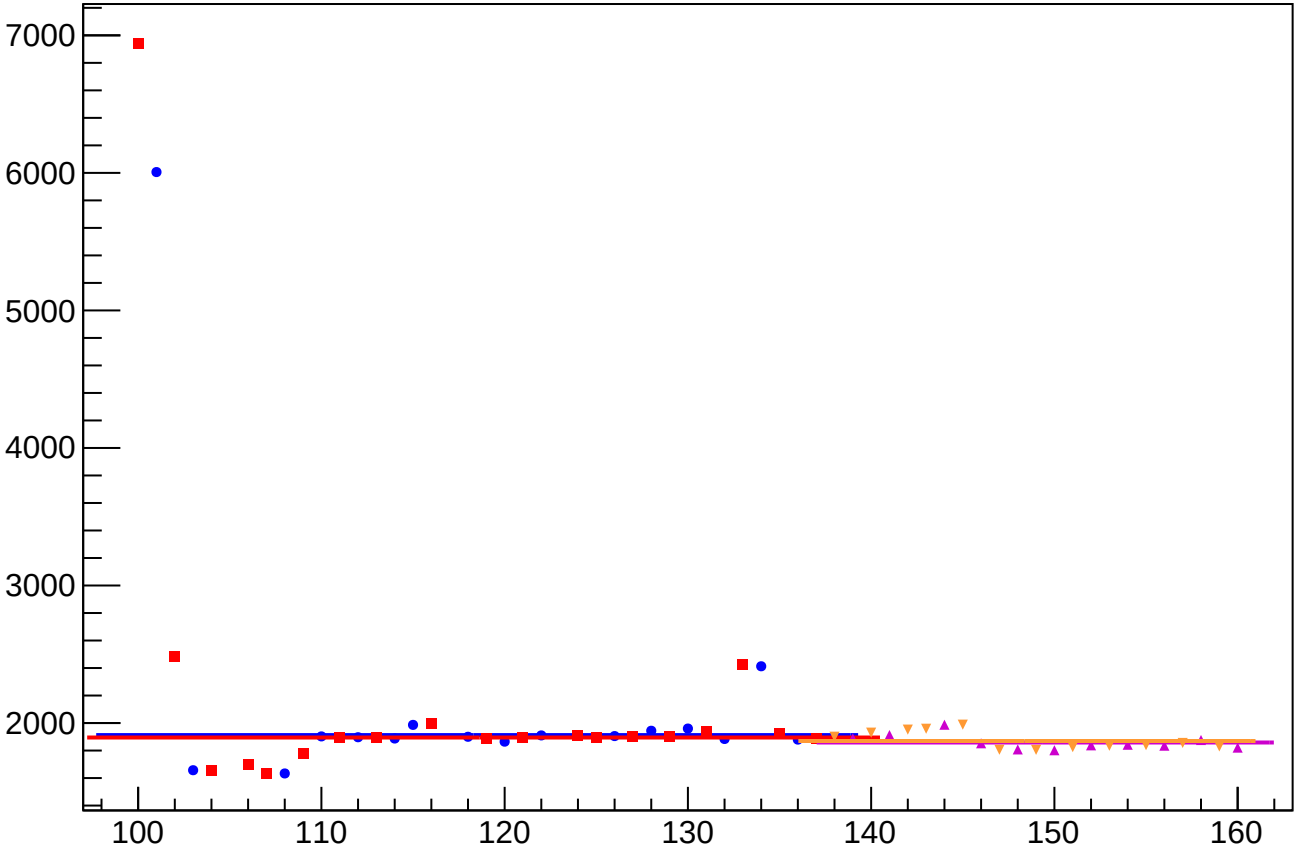
Left In: 549.454+/-601.317 χ^2/NDF:12.3/10

+ sign 313.617+/-465.488 χ^2/NDF: 33.5/27

All: 269.950+/-326.670 χ^2/NDF: 57.3/57

- 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: 1869.371+/-0.428 χ^2/NDF:19986.7/11

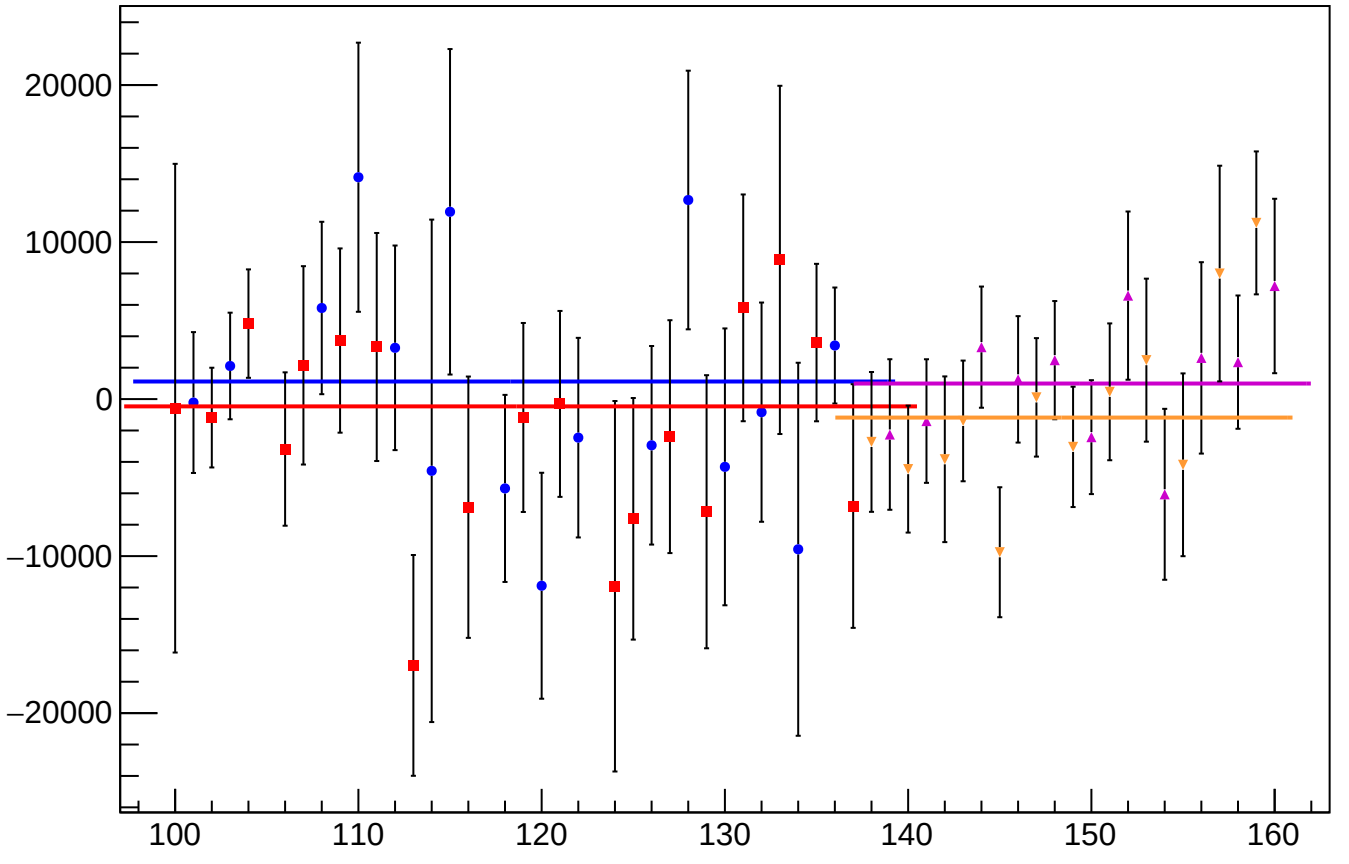
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1858.507+/-0.425 χ^2/NDF:14020.3/10

+ sign 1886.941+/-0.329 χ^2/NDF: 720332.1/27

All: 1880.217+/-0.231 χ^2/NDF: 958002.6/57

- 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: -1177.197+/-1290.155 χ^2/NDF:15.8/11

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

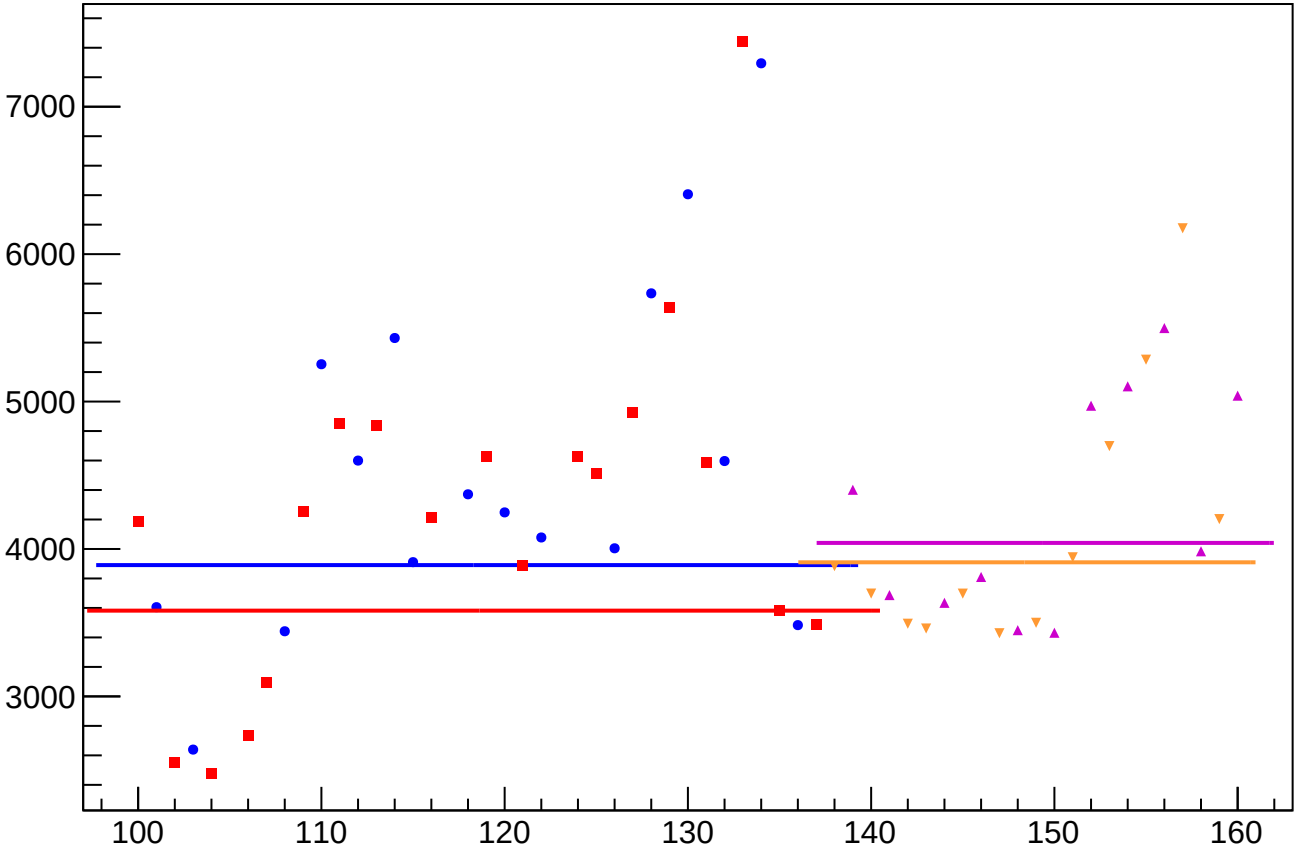
Left In: 990.999+/-1328.130 χ^2/NDF:6.4/10

+ sign -198.577+/-977.480 χ^2/NDF: 30.6/27

All: 49.804+/-682.680 χ^2/NDF: 52.8/57

- 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: 3909.610+/-0.912 χ^2/NDF:489837.5/11

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

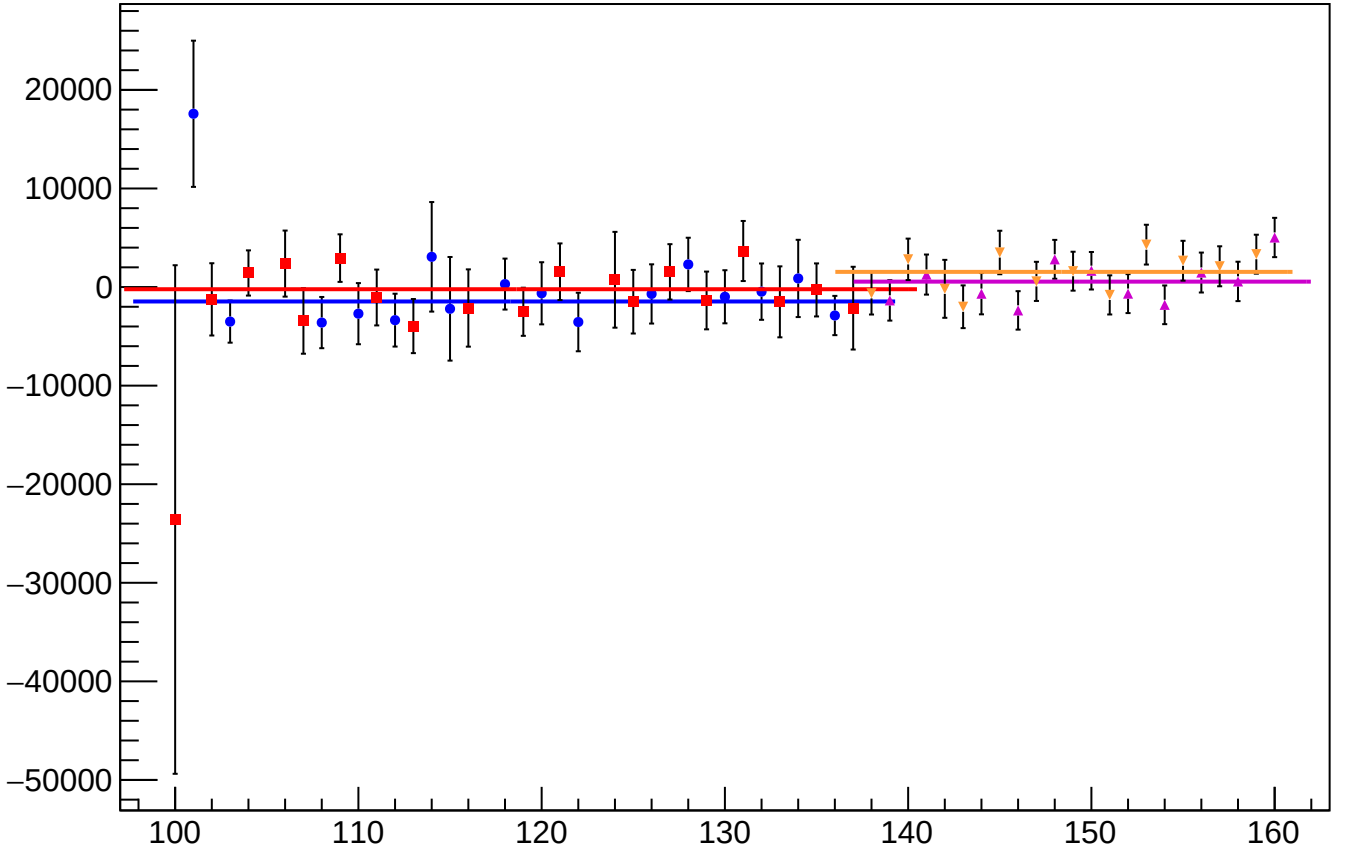
Left In: 4041.179+/-0.939 χ^2/NDF:478007.2/10

+ sign 3901.558+/-0.691 χ^2/NDF: 1368438.5/27

All: 3859.139+/-0.483 χ^2/NDF: 3191516.7/57

- 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: 1540.502+/-605.261 χ^2/NDF:9.9/11

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

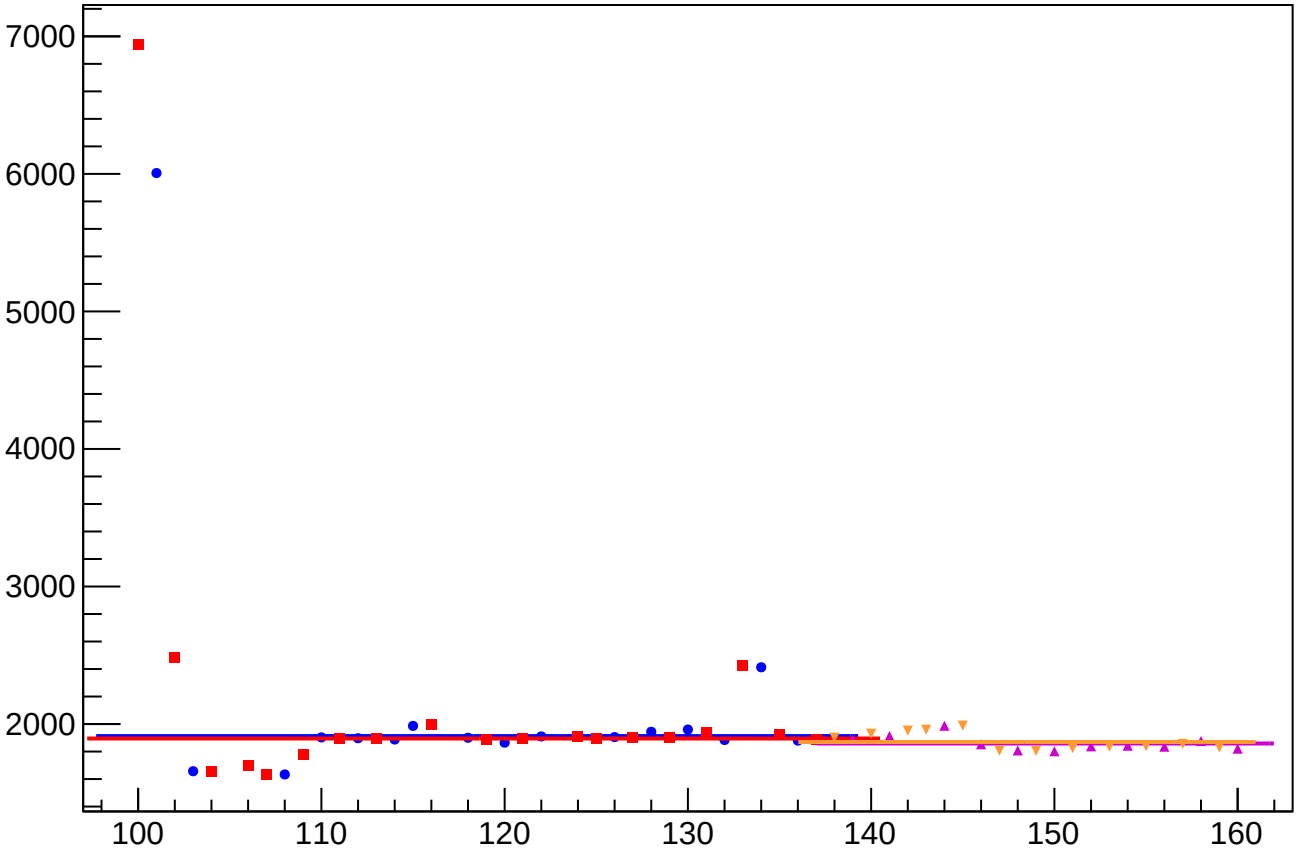
Left In: 549.454+/-601.317 χ^2/NDF:12.3/10

\+ sign 313.619+/-465.488 χ^2/NDF: 33.5/27

All: 269.952+/-326.670 χ^2/NDF: 57.3/57

\- 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: 1869.372+/-0.428 χ^2/NDF:19986.7/11

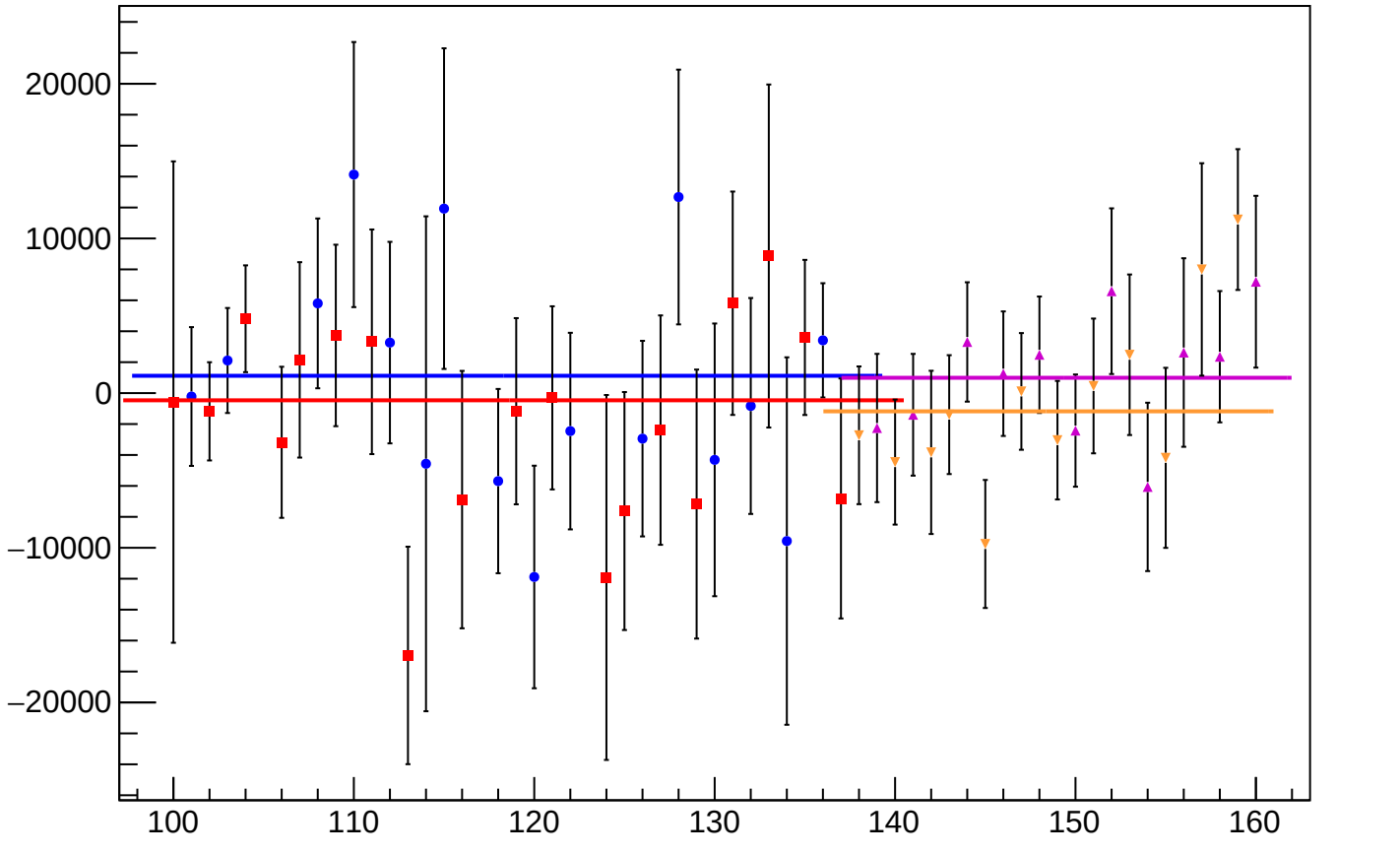
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1858.507+/-0.425 χ^2/NDF:14020.2/10

+ sign 1886.941+/-0.329 χ^2/NDF: 720331.9/27

All: 1880.218+/-0.231 χ^2/NDF: 958002.2/57

- 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: -1177.194+/-1290.157 χ^2/NDF:15.8/11

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

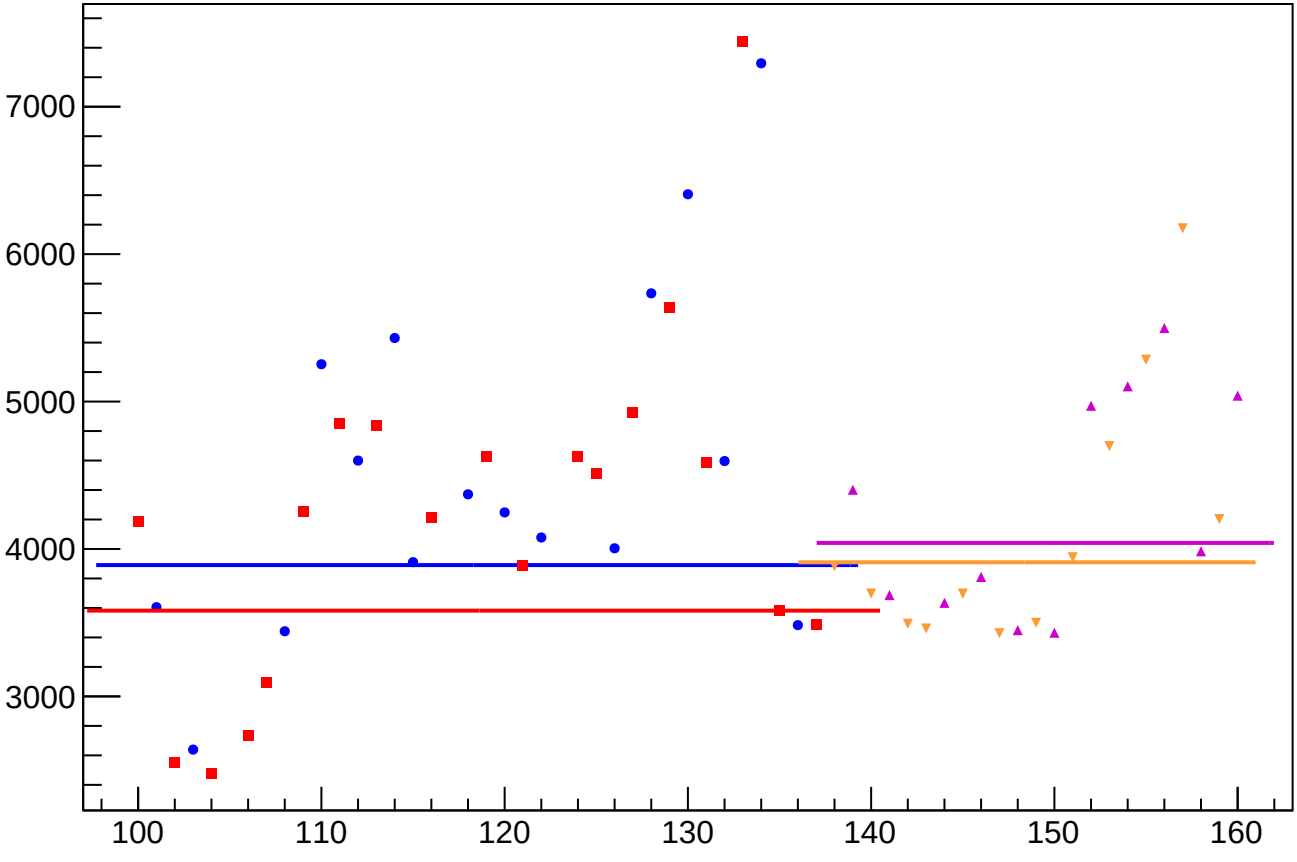
Left In: 990.997+/-1328.132 χ^2/NDF:6.4/10

+ sign -198.579+/-977.480 χ^2/NDF: 30.6/27

All: 49.802+/-682.680 χ^2/NDF: 52.8/57

- 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: 3909.615+/-0.912 χ^2/NDF:489836.2/11

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

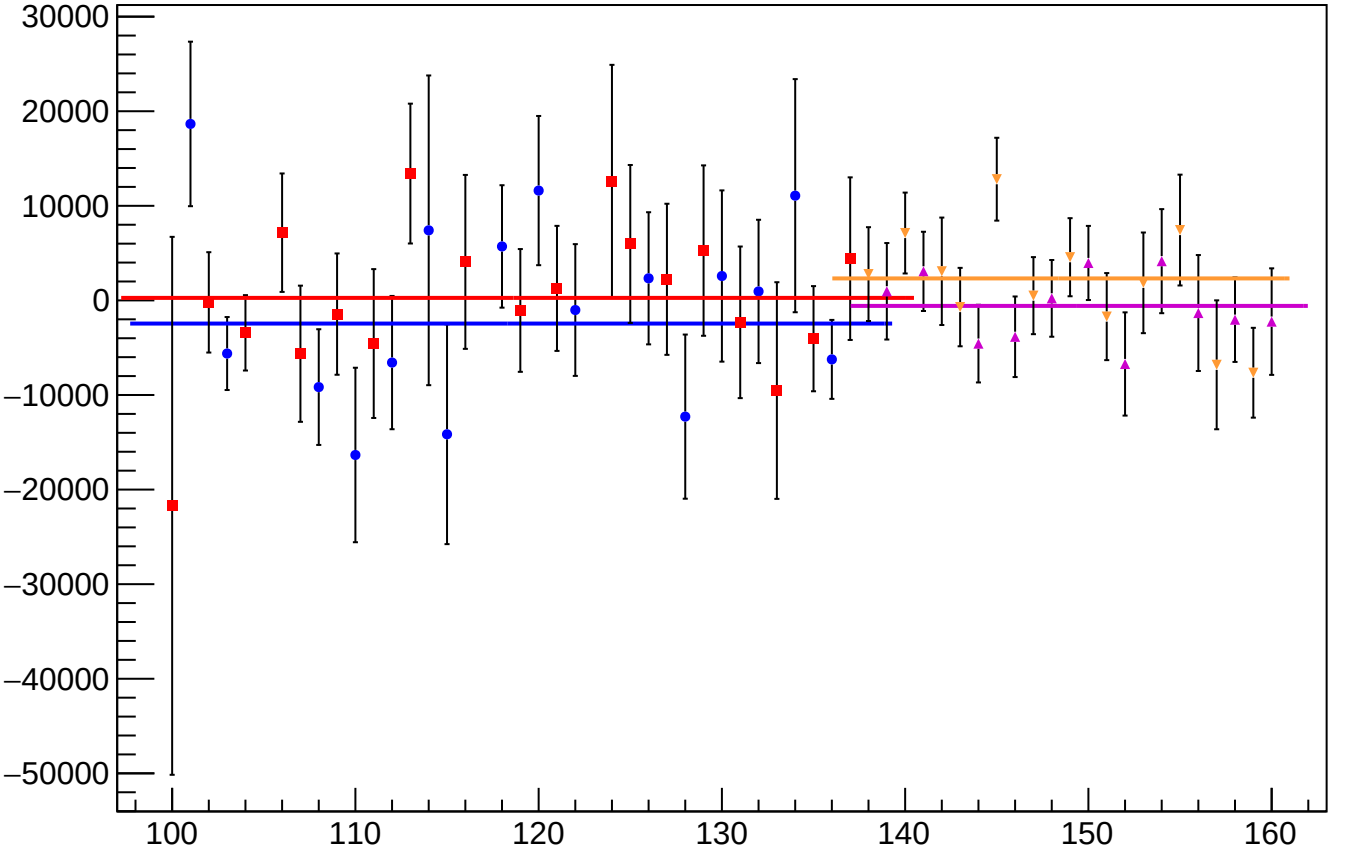
Left In: 4041.185+/-0.939 χ^2/NDF:478005.9/10

+ sign 3901.560+/-0.691 χ^2/NDF: 1368428.5/27

All: 3859.140+/-0.483 χ^2/NDF: 3191501.1/57

- 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: 2323.962+/-1369.509 χ^2/NDF:15.8/11

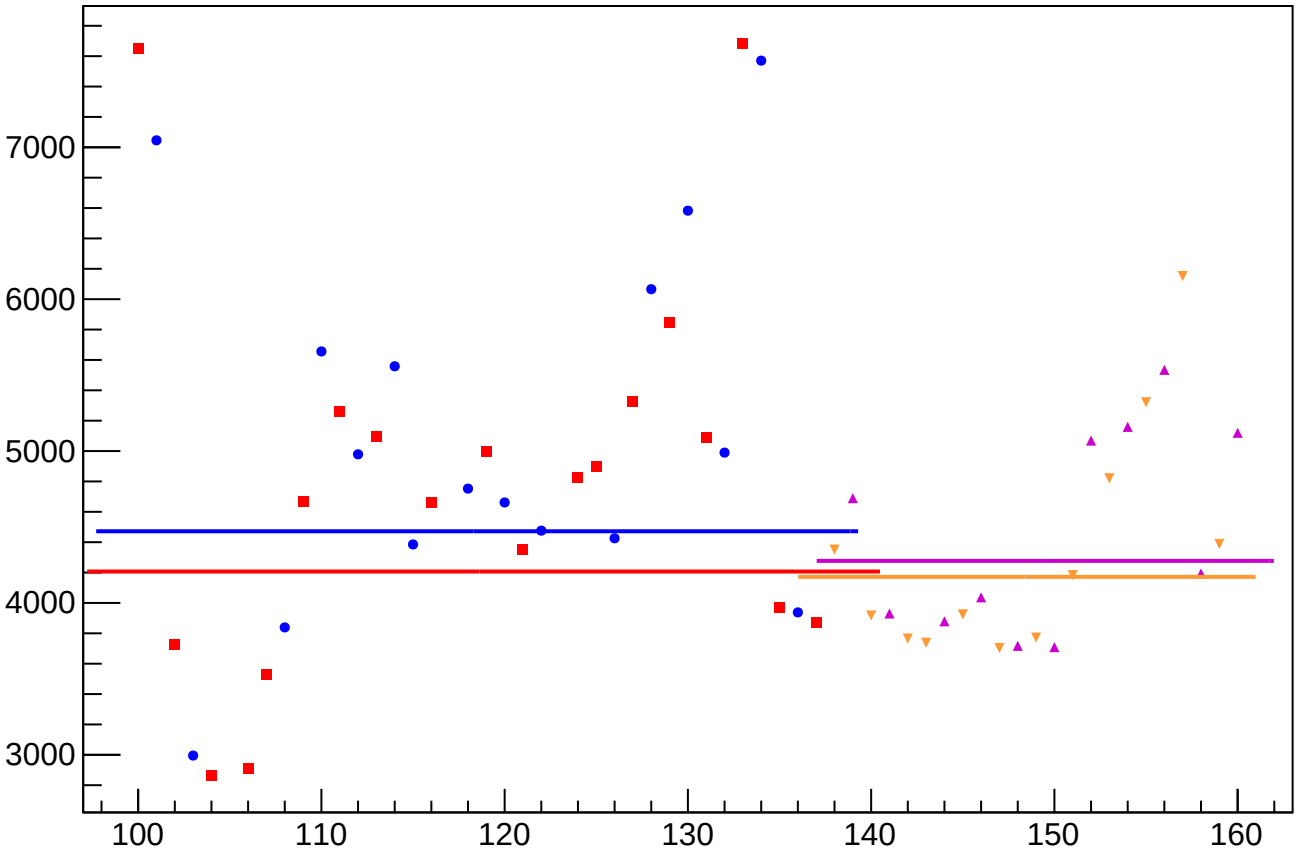
Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -581.061+/-1399.317 χ^2/NDF:6.0/10

+ sign 471.955+/-1071.302 χ^2/NDF: 41.4/27

All: 122.295+/-753.382 χ^2/NDF: 58.4/57

- sign -219.820+/-1059.680 χ^2/NDF: 16.8/29



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4172.023+/-0.968 χ^2/NDF:373344.1/11

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

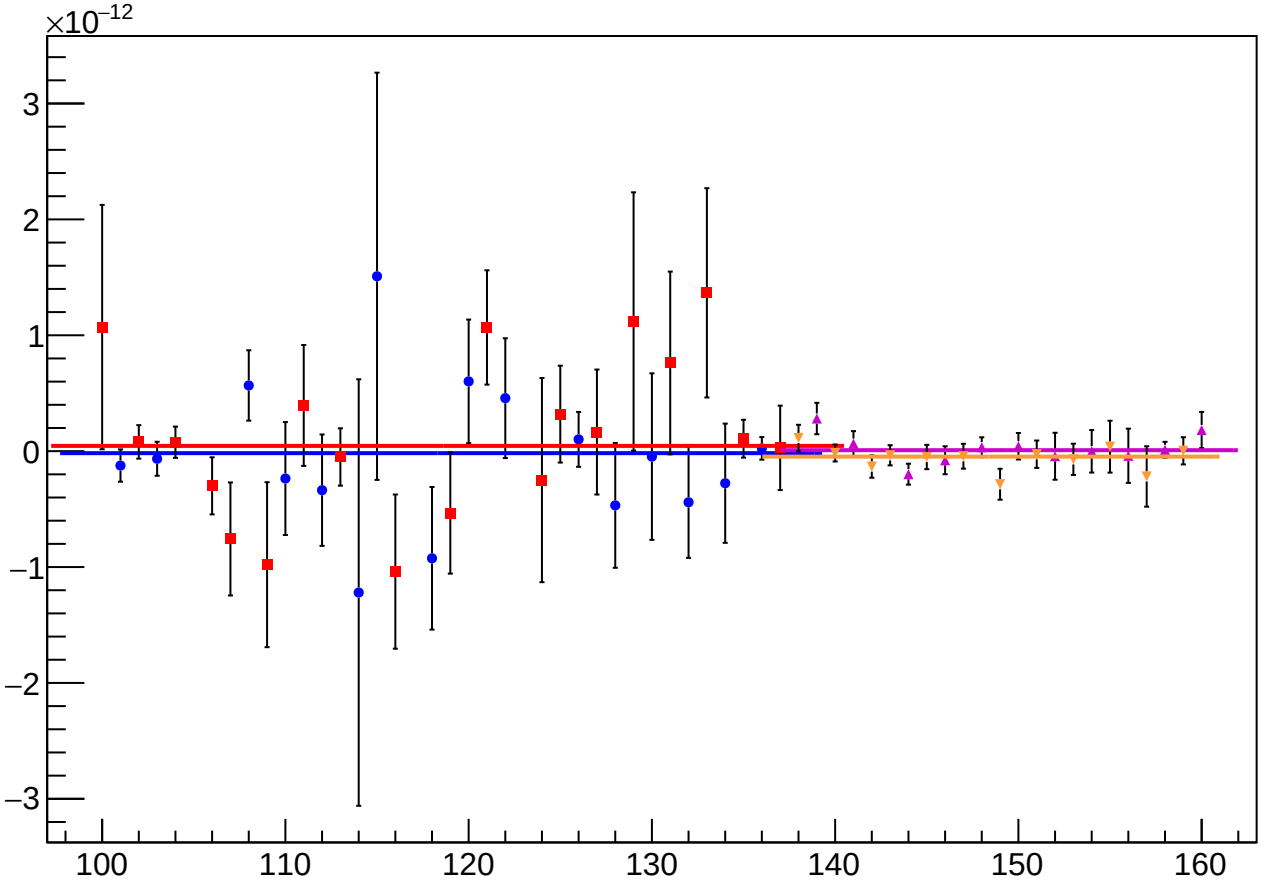
Left In: 4276.990+/-0.989 χ^2/NDF:355299.0/10

+ sign 4288.401+/-0.758 χ^2/NDF: 1302237.7/27

All: 4267.309+/-0.532 χ^2/NDF: 2507750.3/57

- sign 4246.817+/-0.747 χ^2/NDF: 1203984.1/29

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/11

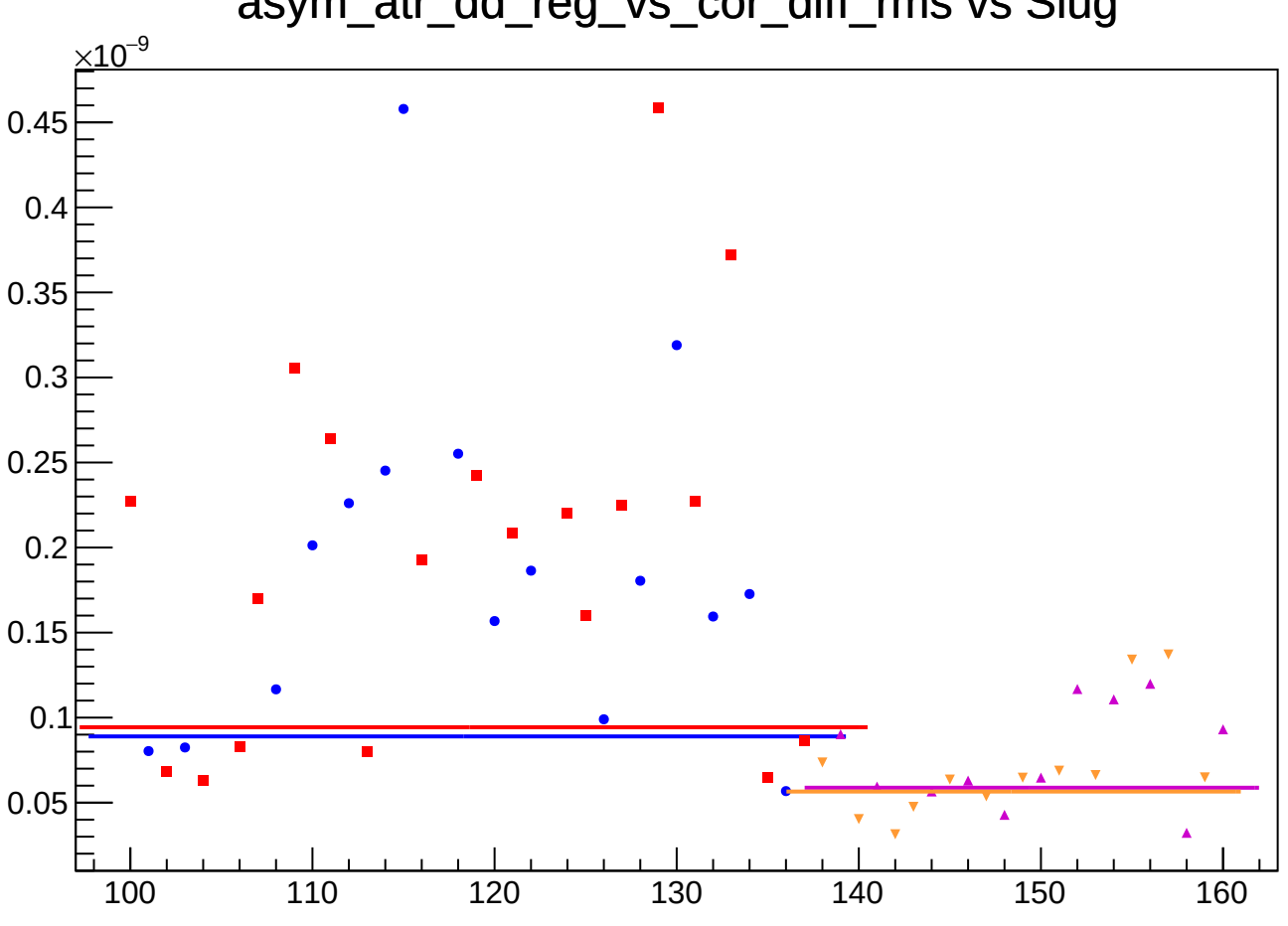
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 19.9/27

All: -0.000+/-0.000 χ^2/NDF: 54.8/57

- sign 0.000+/-0.000 χ^2/NDF: 33.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:791914.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

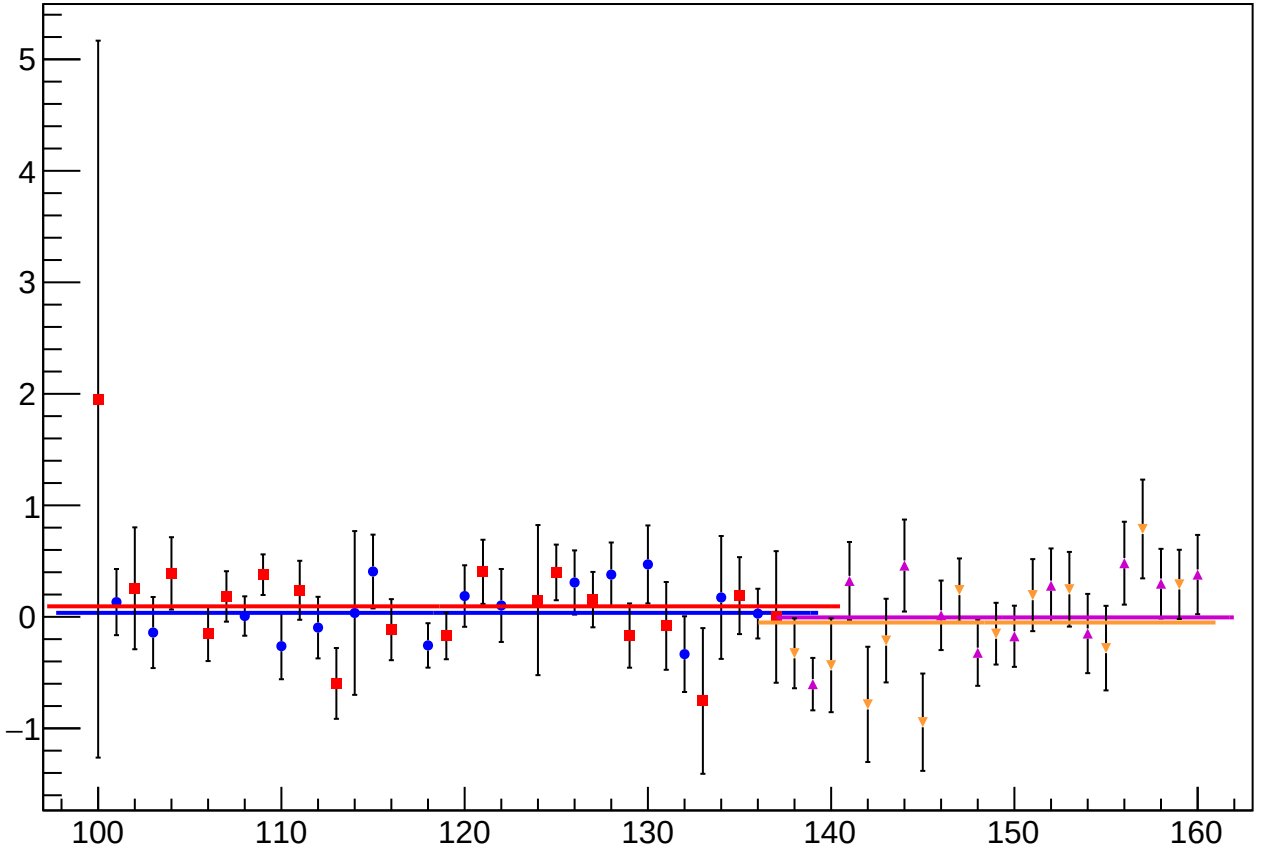
Left In: 0.000+/-0.000 χ^2/NDF:1039502.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 2459318.8/27

All: 0.000+/-0.000 χ^2/NDF: 5637763.4/57

- sign 0.000+/-0.000 χ^2/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: -0.051+/-0.101 χ^2/NDF:15.7/11

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

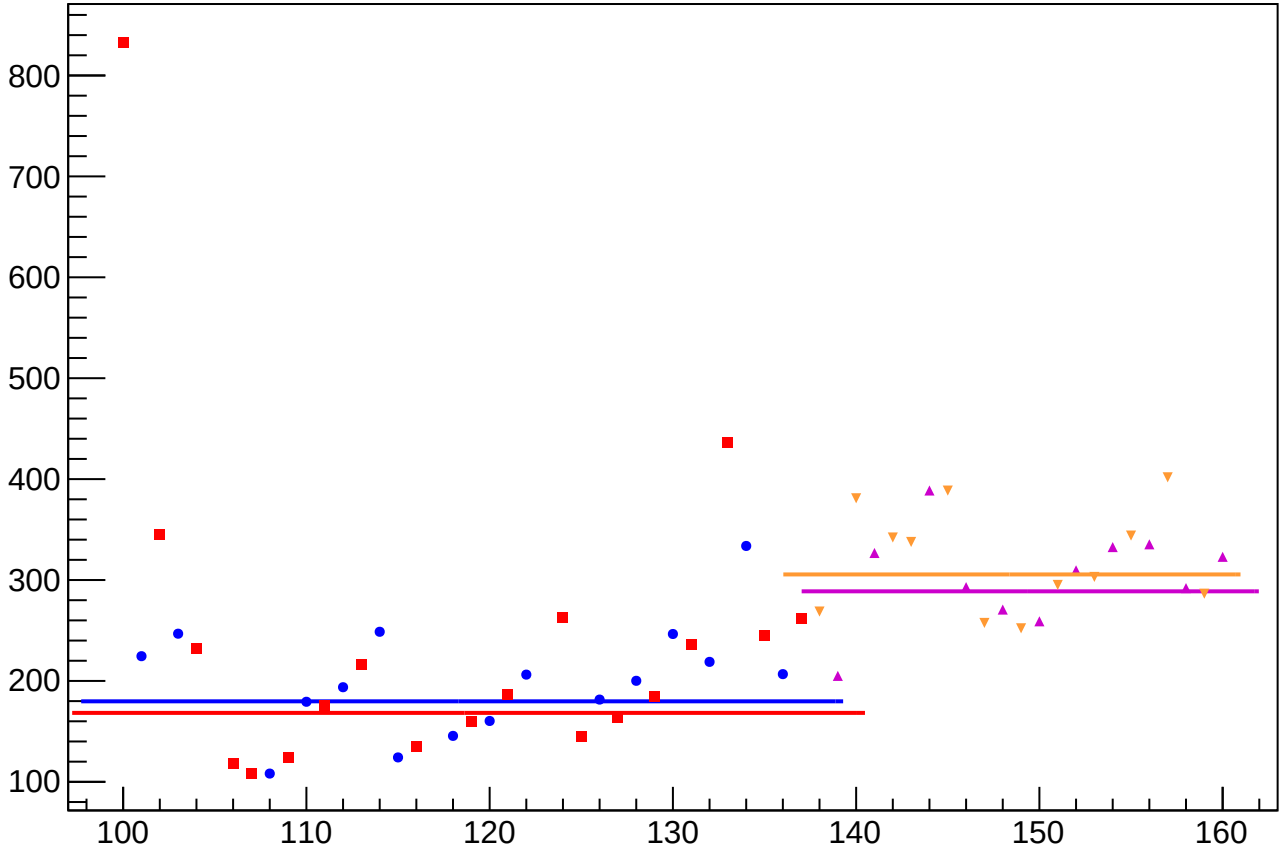
Left In: -0.005+/-0.096 χ^2/NDF:14.9/10

\+ sign 0.007+/-0.058 χ^2/NDF: 26.7/27

All: 0.036+/-0.040 χ^2/NDF: 60.4/57

\- 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: 305.543+/-0.071 χ^2/NDF:445587.6/11

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

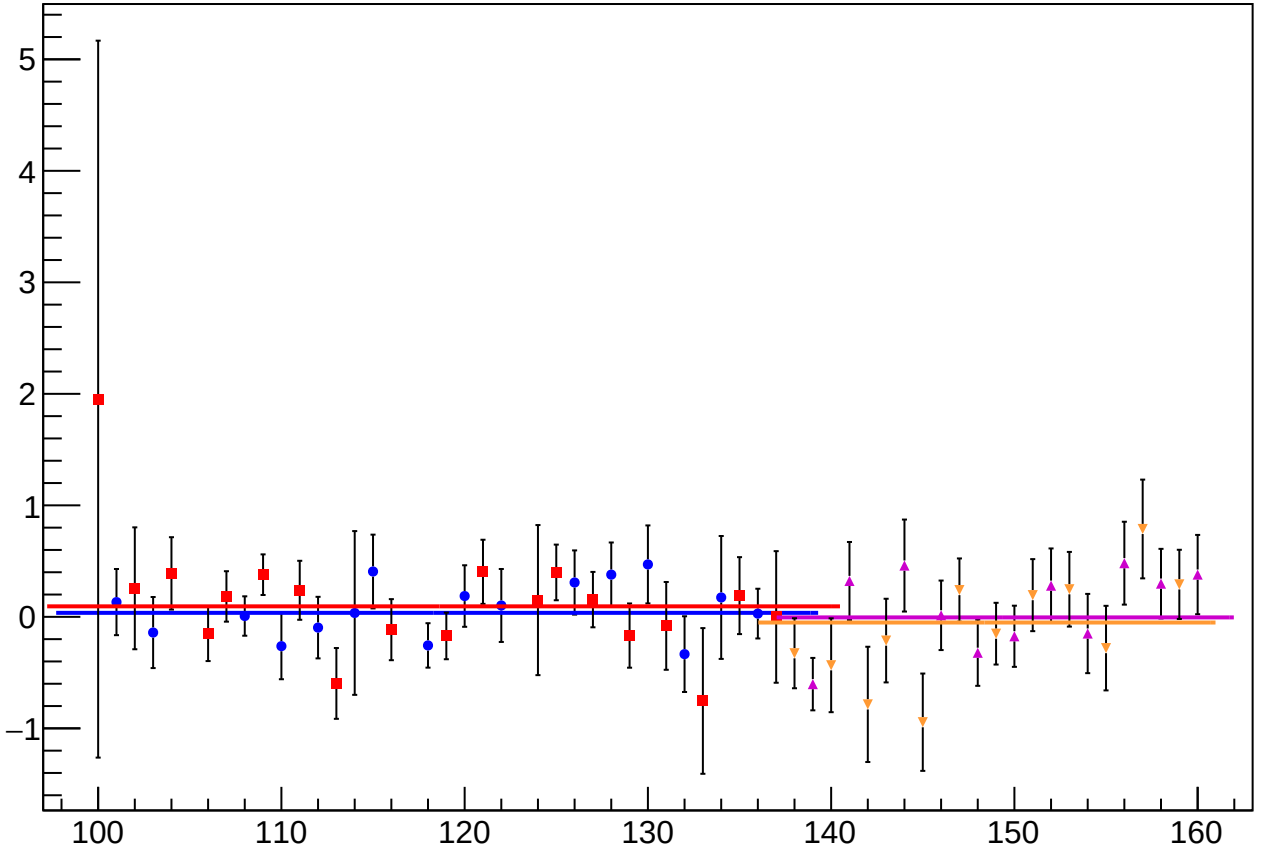
Left In: 288.798+/-0.068 χ^2/NDF:514724.1/10

+ sign 221.128+/-0.041 χ^2/NDF: 3450849.4/27

All: 214.531+/-0.028 χ^2/NDF: 7540991.4/57

- 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: -0.051+/-0.101 χ^2/NDF:15.7/11

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

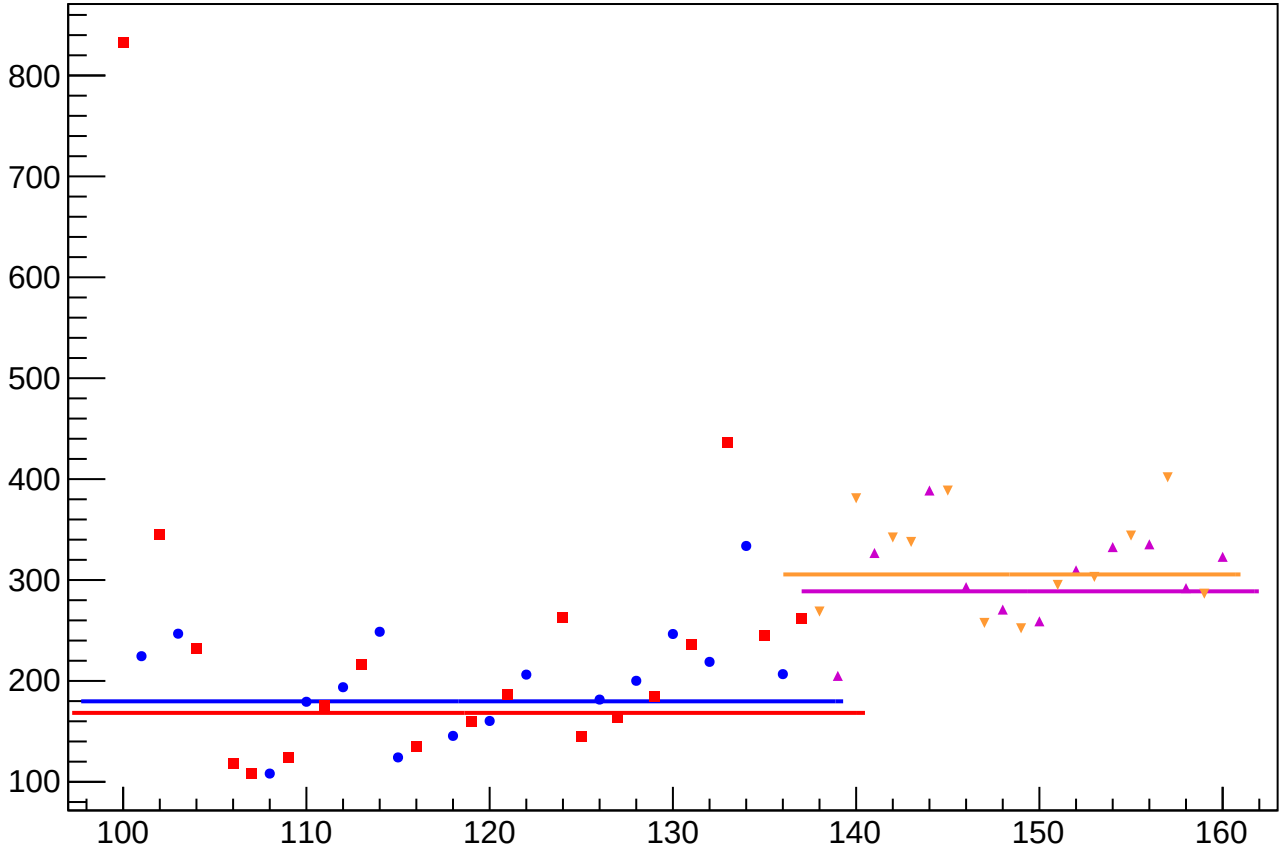
Left In: -0.005+/-0.096 χ^2/NDF:14.9/10

+ sign 0.007+/-0.058 χ^2/NDF: 26.7/27

All: 0.036+/-0.040 χ^2/NDF: 60.4/57

- 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: 305.543+/-0.071 χ^2/NDF:445587.6/11

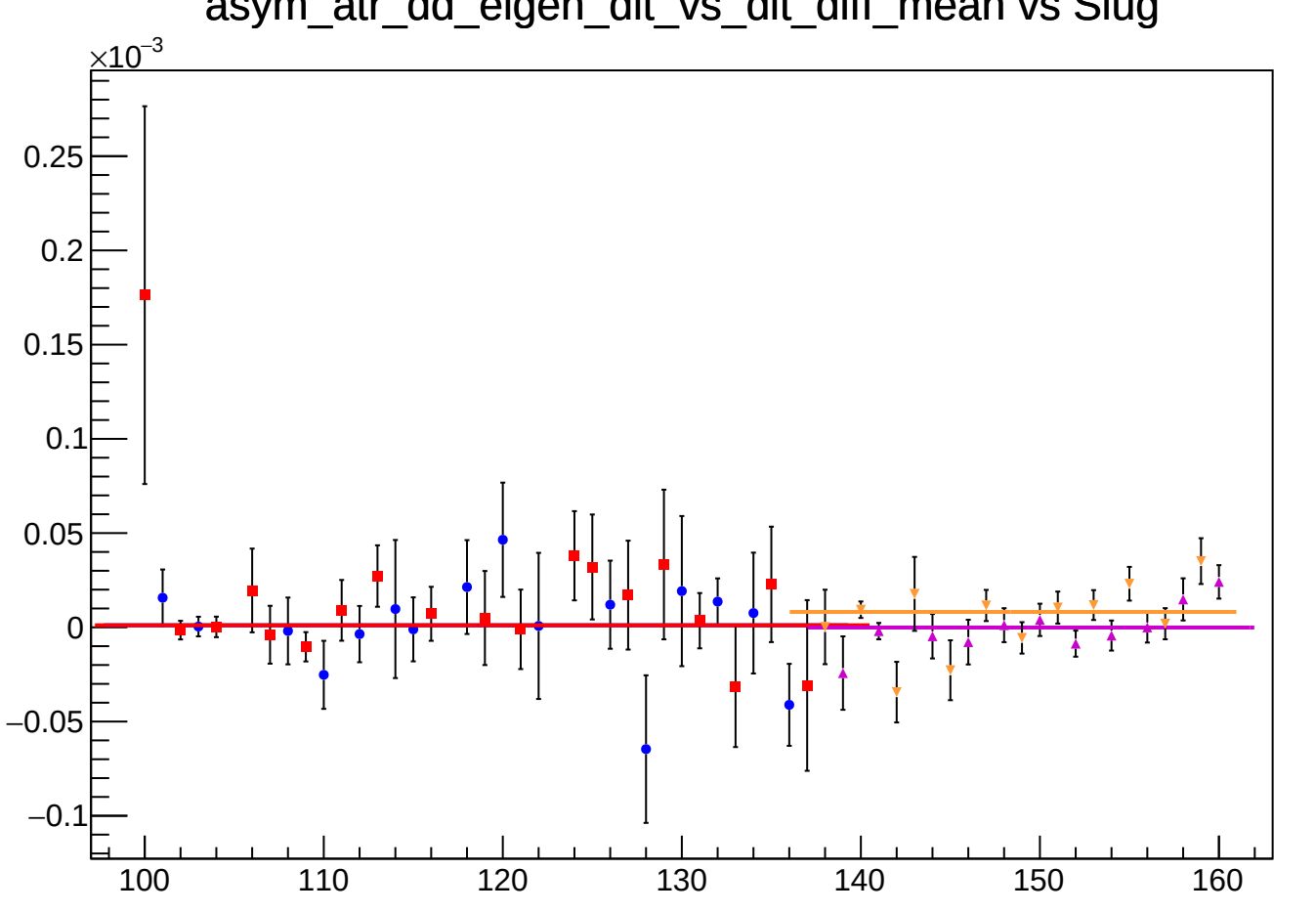
Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 288.798+/-0.068 χ^2/NDF:514724.1/10

+ sign 221.128+/-0.041 χ^2/NDF: 3450849.4/27

All: 214.531+/-0.028 χ^2/NDF: 7540991.4/57

- sign 208.516+/-0.039 χ^2/NDF: 4040375.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

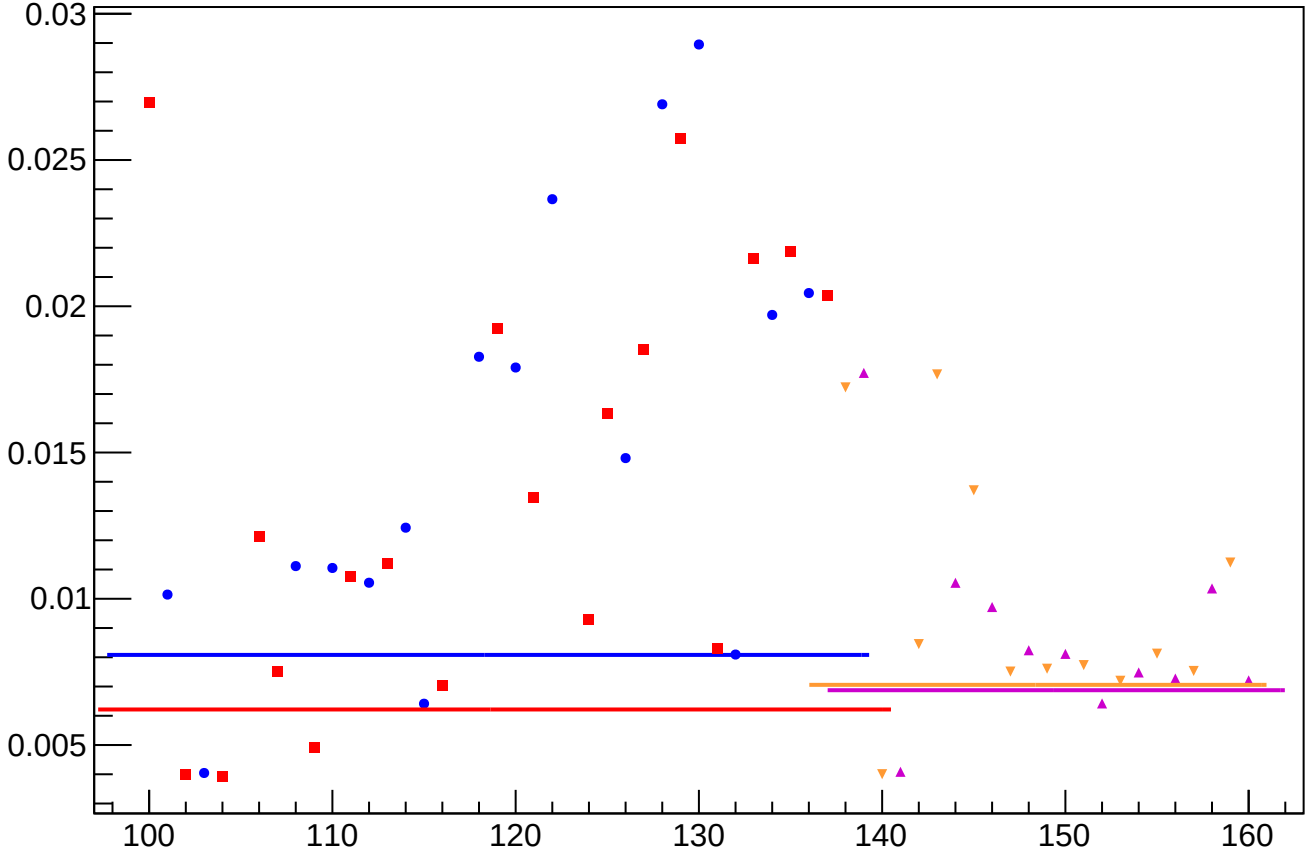
Left In: -0.000+/-0.000 χ^2/NDF:13.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 39.6/27

All: 0.000+/-0.000 χ^2/NDF: 73.2/57

- sign 0.000+/-0.000 χ^2/NDF: 29.7/29

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:2758725.2/11

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

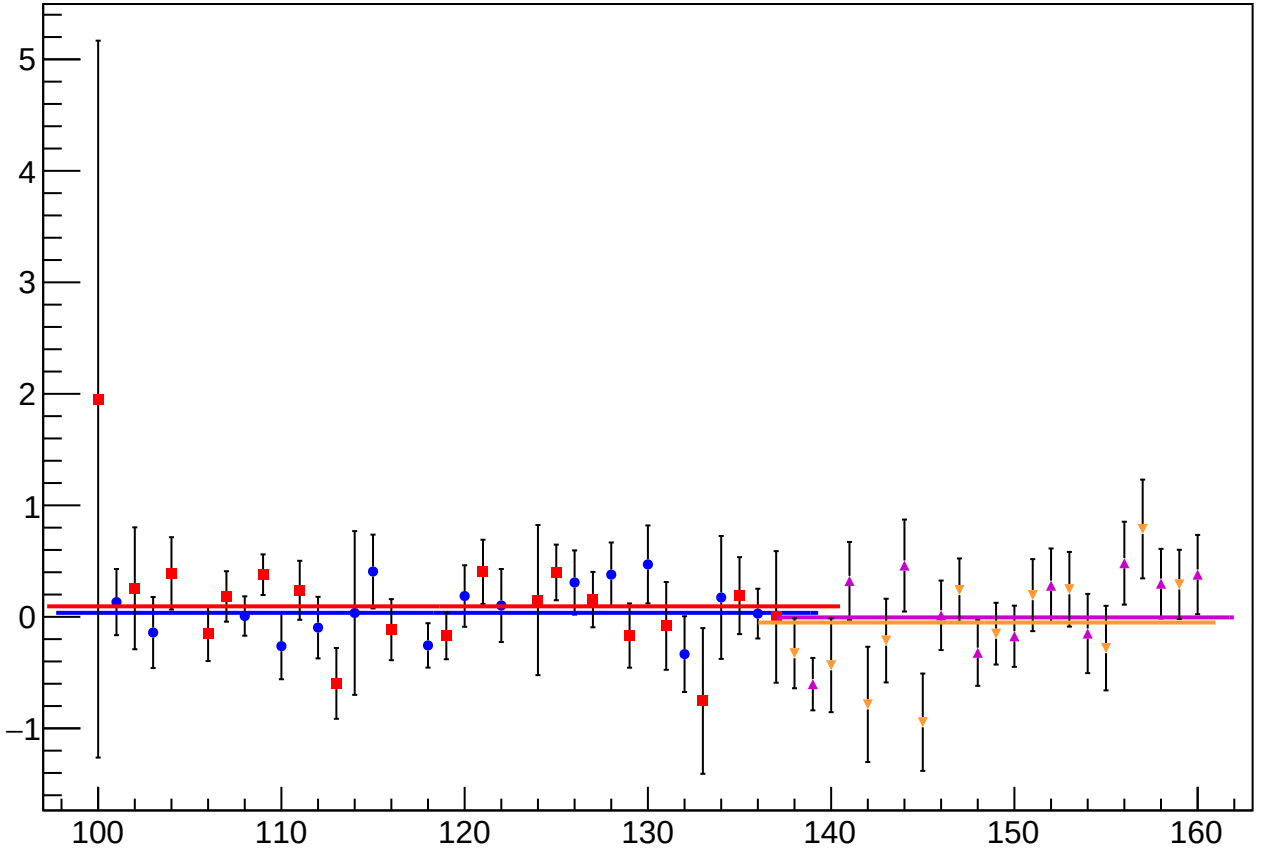
Left In: 0.007+/-0.000 χ^2/NDF:2060481.8/10

+ sign 0.007+/-0.000 χ^2/NDF: 7276399.3/27

All: 0.007+/-0.000 χ^2/NDF: 14120852.7/57

- sign 0.007+/-0.000 χ^2/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: -0.051+/-0.101 χ^2/NDF:15.7/11

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

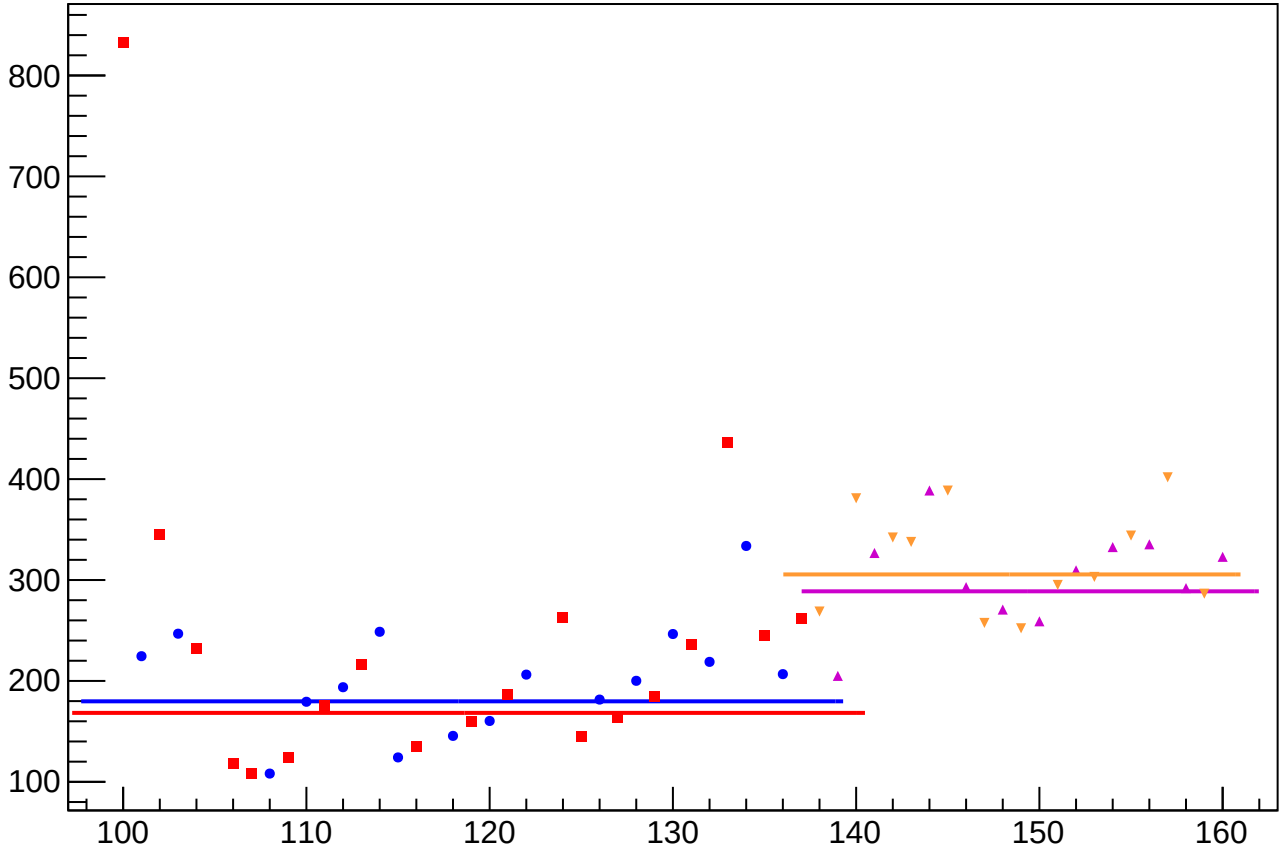
Left In: -0.005+/-0.096 χ^2/NDF:14.9/10

+ sign 0.007+/-0.058 χ^2/NDF: 26.7/27

All: 0.036+/-0.040 χ^2/NDF: 60.4/57

- 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: 305.547+/-0.071 χ^2/NDF:445562.3/11

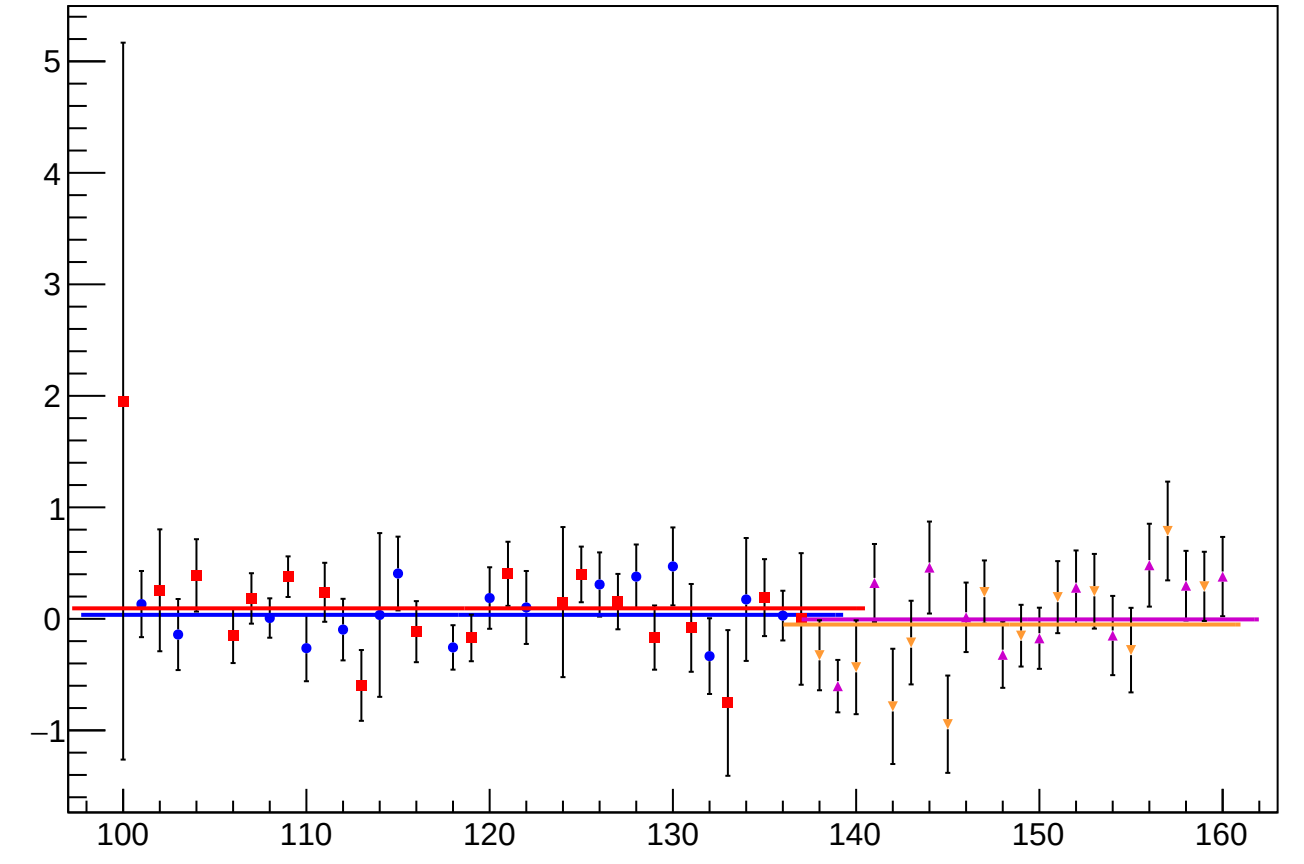
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 288.802+/-0.068 χ^2/NDF:514693.9/10

+ sign 221.127+/-0.041 χ^2/NDF: 3451078.5/27

All: 214.530+/-0.028 χ^2/NDF: 7541283.2/57

- sign 208.517+/-0.039 χ^2/NDF: 4040455.3/29



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.051+/-0.101 χ^2/NDF:15.7/11

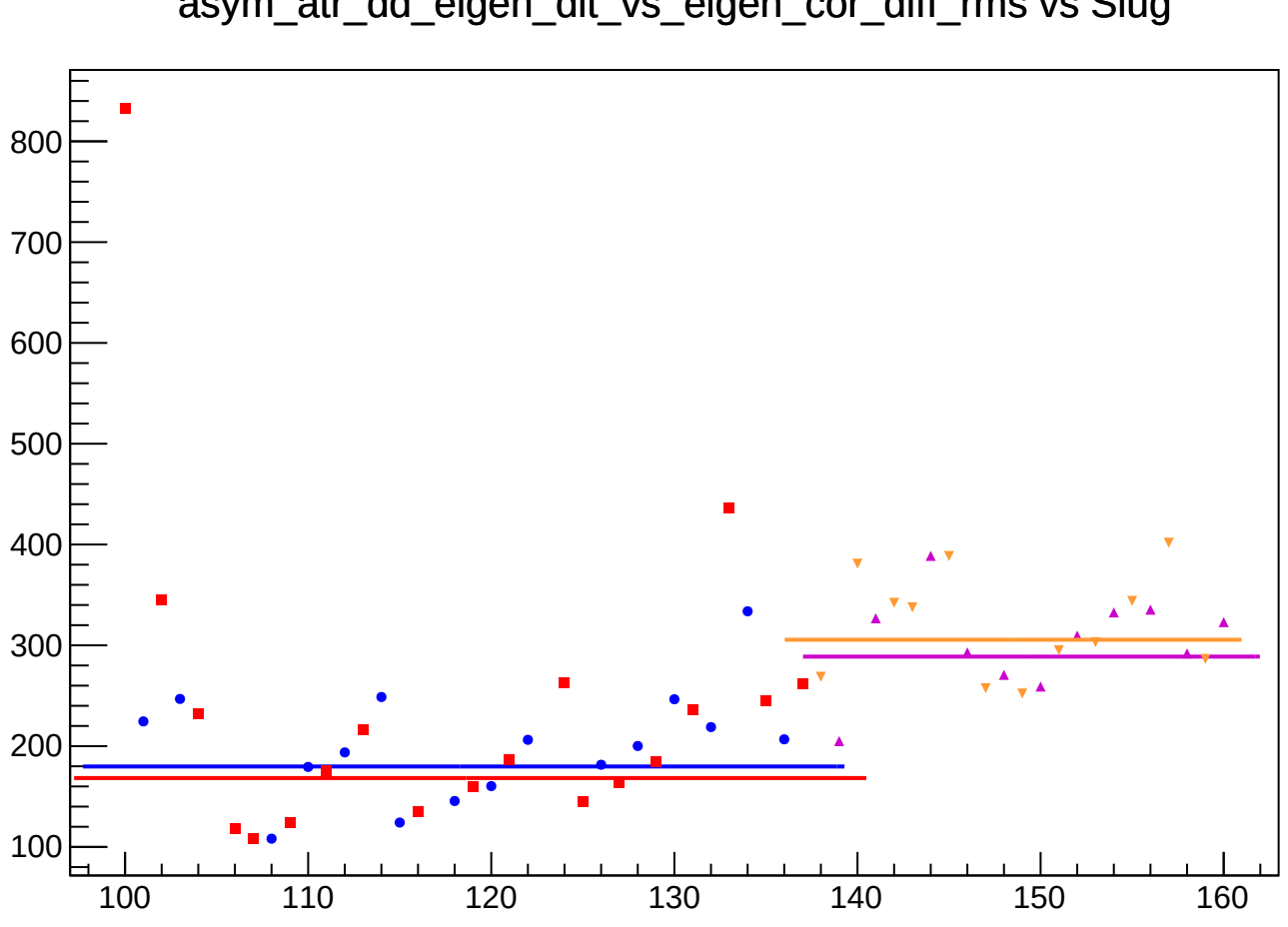
Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.005+/-0.096 χ^2/NDF:14.9/10

+ sign 0.007+/-0.058 χ^2/NDF: 26.7/27

All: 0.036+/-0.040 χ^2/NDF: 60.4/57

- 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: 305.547+/-0.071 χ^2/NDF:445562.3/11

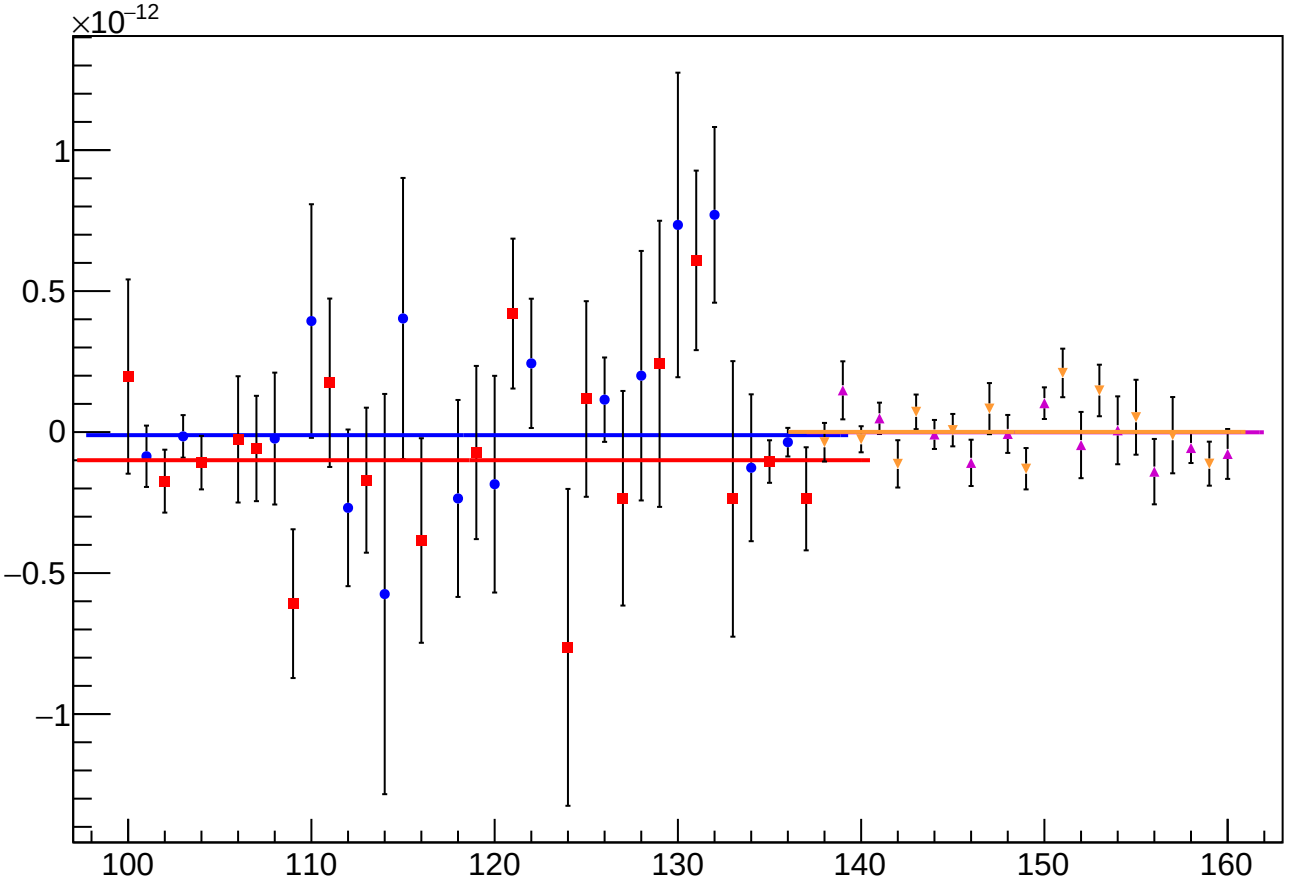
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 288.802+/-0.068 χ^2/NDF:514693.9/10

+ sign 221.127+/-0.041 χ^2/NDF: 3451078.5/27

All: 214.530+/-0.028 χ^2/NDF: 7541283.2/57

- 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:18.5/11

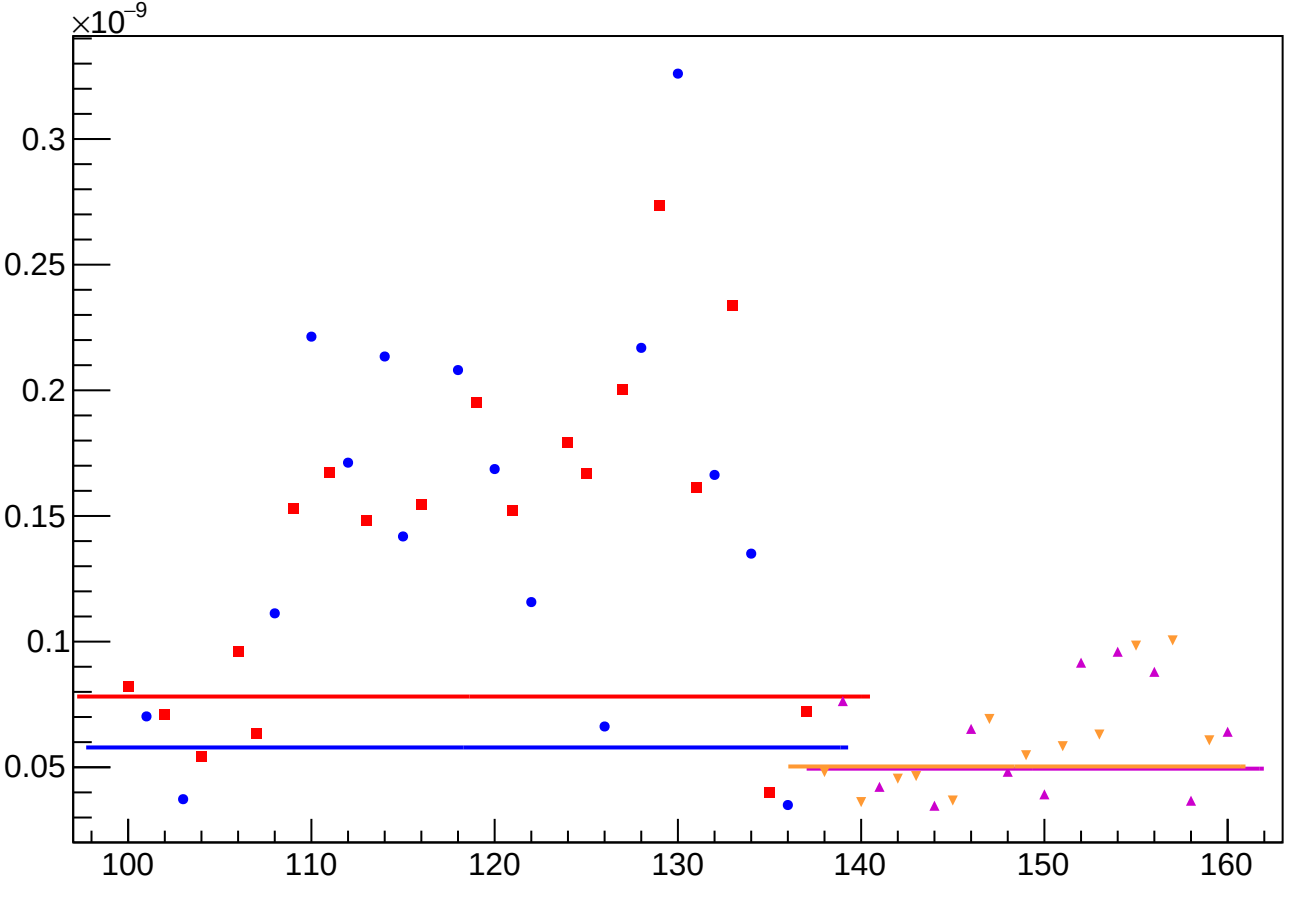
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 33.6/27

All: -0.000+/-0.000 χ^2/NDF: 68.4/57

- 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:1038983.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

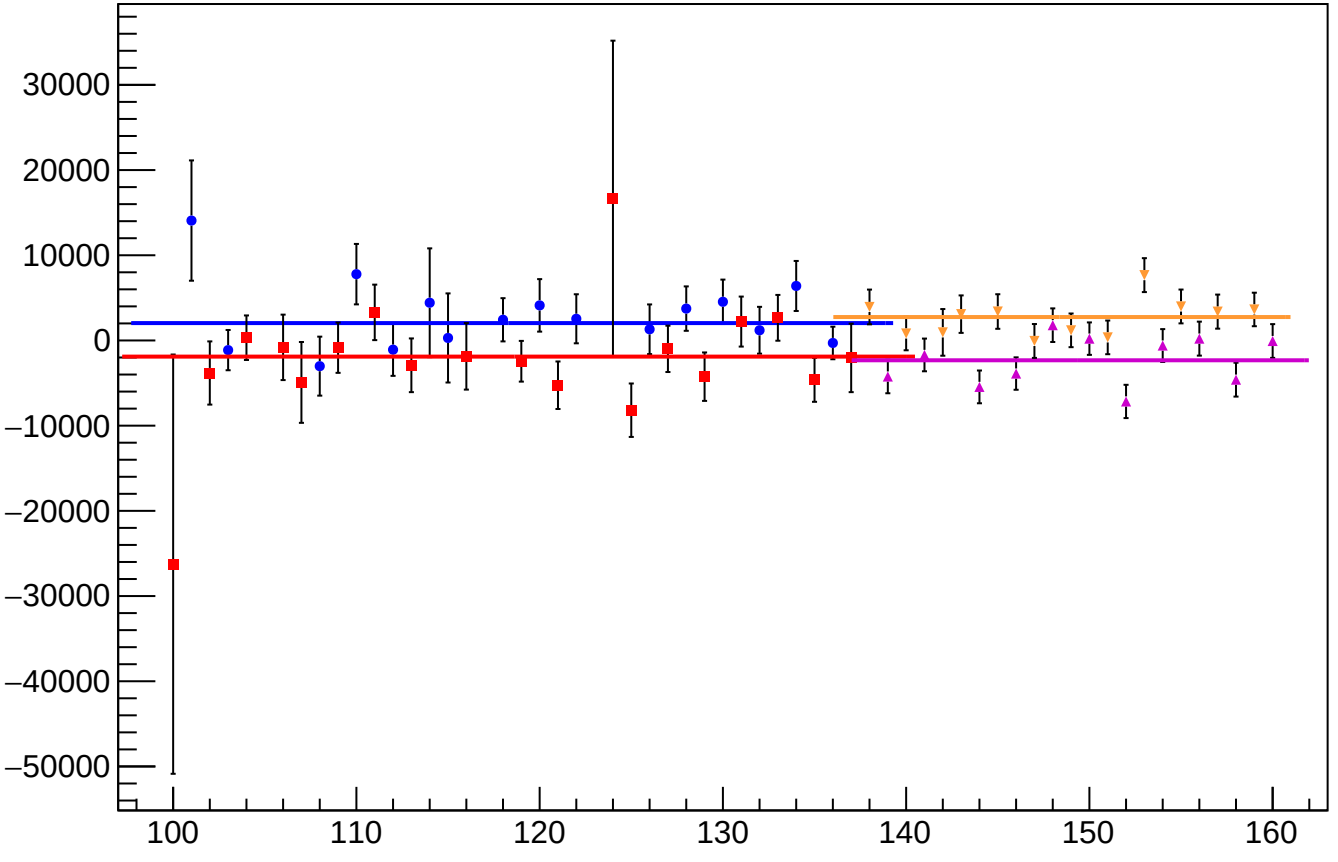
Left In: 0.000+/-0.000 χ^2/NDF:1422644.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 4429745.0/27

All: 0.000+/-0.000 χ^2/NDF: 9348449.4/57

- 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: 2748.370+/-591.205 χ^2/NDF:12.7/11

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

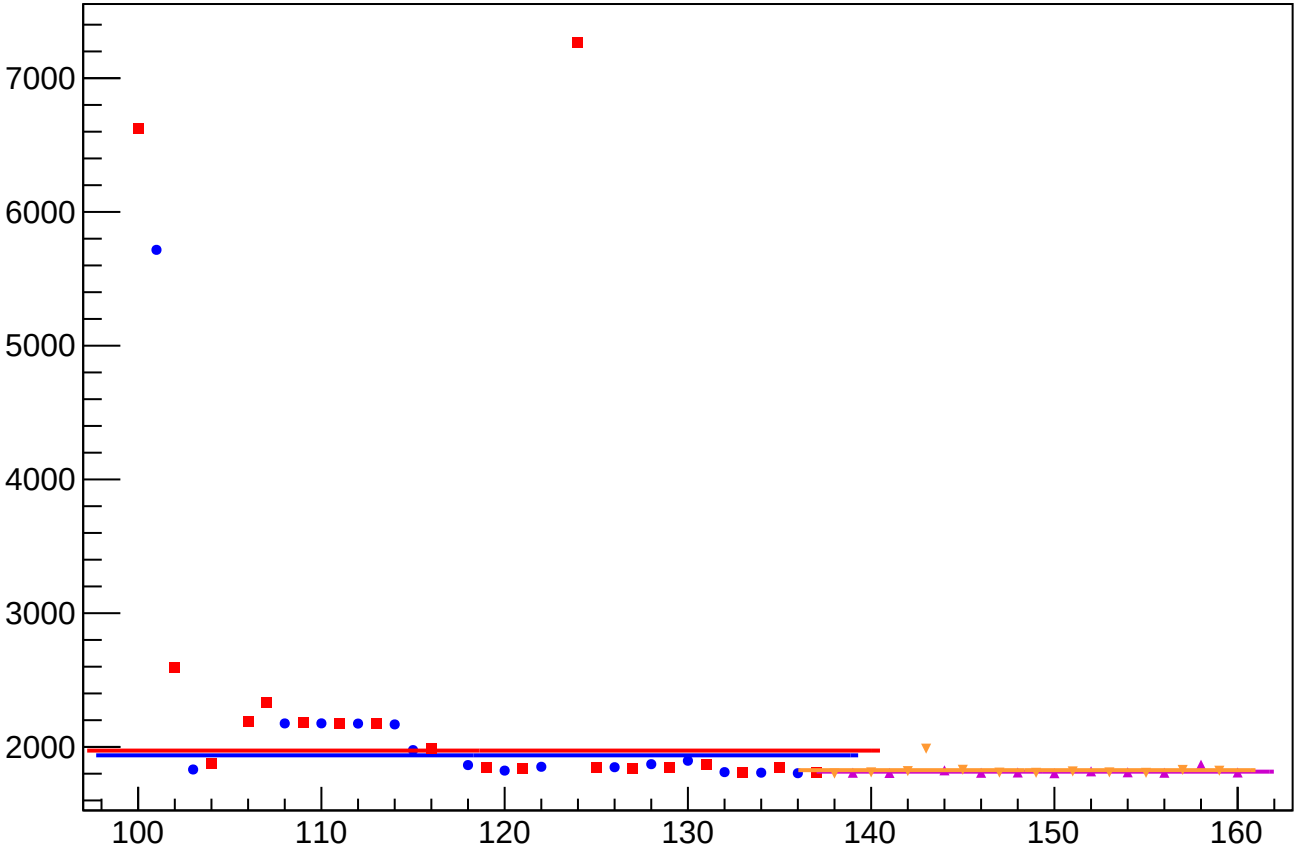
Left In: -2326.646+/-587.131 χ^2/NDF:21.7/10

+ sign 2470.345+/-460.970 χ^2/NDF: 29.7/27

All: 146.544+/-325.315 χ^2/NDF: 120.7/57

- 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: 1826.370+/-0.418 χ^2/NDF:11928.5/11

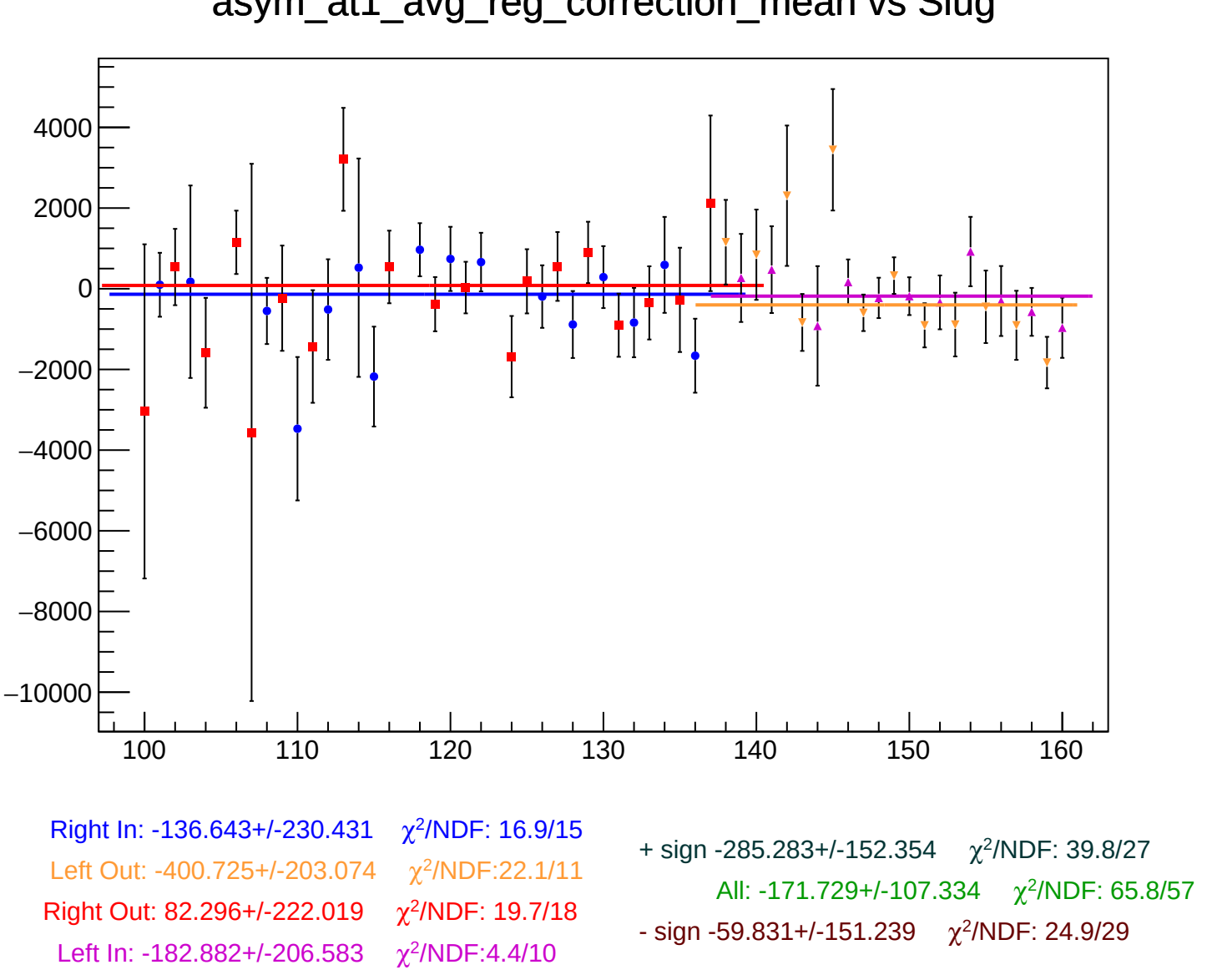
Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1815.256+/-0.415 χ^2/NDF:1701.6/10

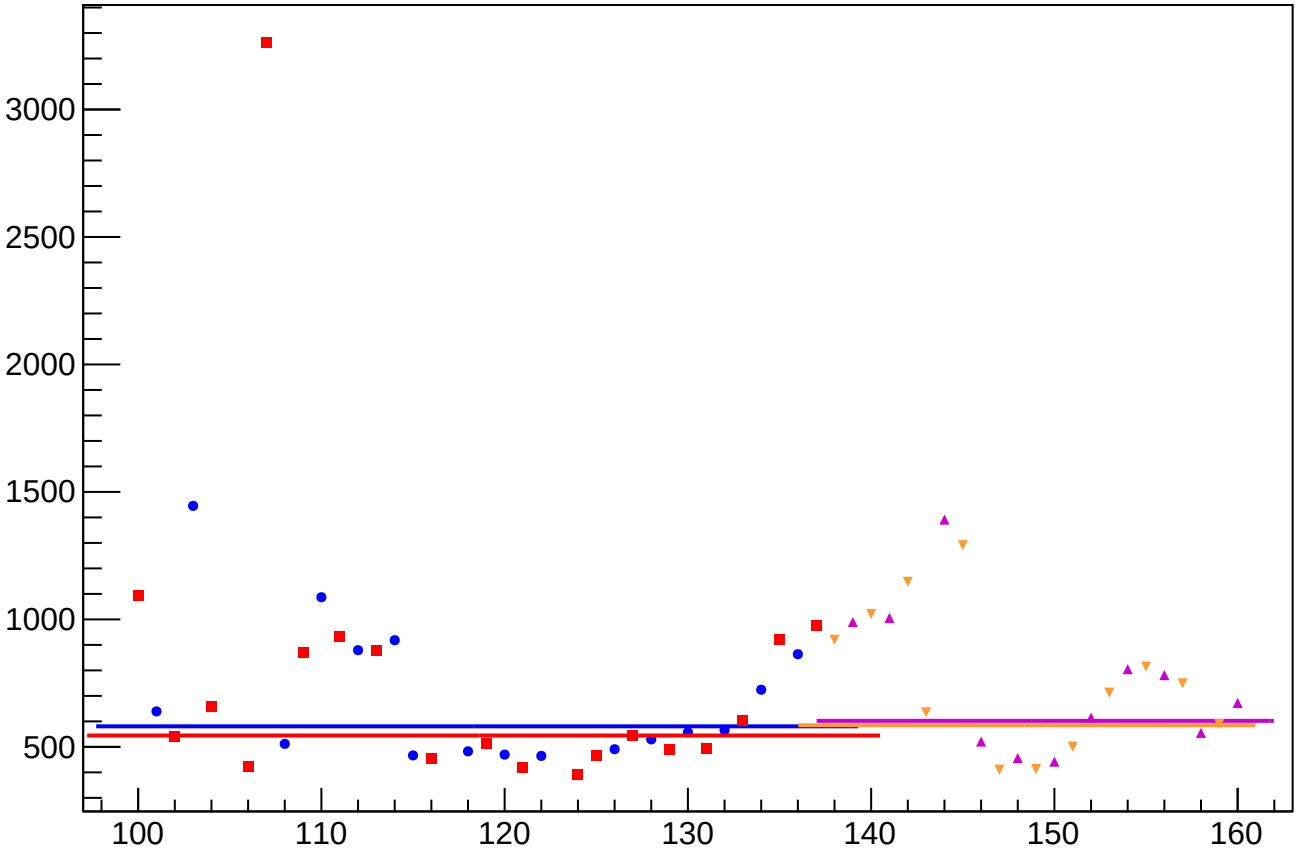
+ sign 1869.841+/-0.326 χ^2/NDF: 677601.7/27

All: 1873.149+/-0.230 χ^2/NDF: 1112947.7/57

- sign 1876.431+/-0.325 χ^2/NDF: 435140.8/29


asym_at1_avg_reg_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: -136.643+/-230.431 χ²/NDF: 16.9/15
Left Out: -400.725+/-203.074 χ²/NDF:22.1/11
Right Out: 82.296+/-222.019 χ²/NDF: 19.7/18
Left In: -182.882+/-206.583 χ²/NDF:4.4/10
+ sign -285.283+/-152.354 χ²/NDF: 39.8/27
All: -171.729+/-107.334 χ²/NDF: 65.8/57
- sign -59.831+/-151.239 χ²/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: 584.980+/-0.144 χ^2/NDF:2057892.5/11

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

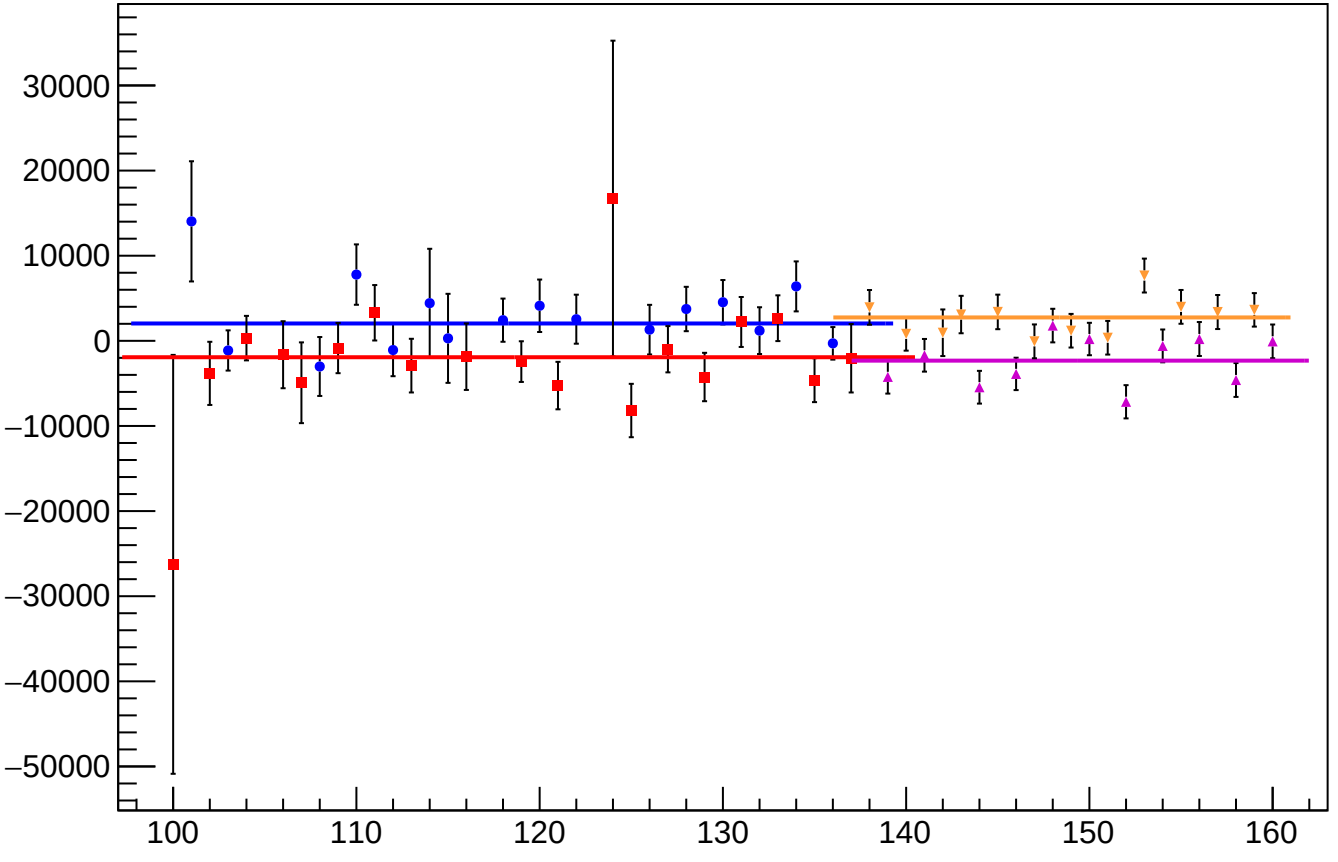
Left In: 602.101+/-0.146 χ^2/NDF:1774190.1/10

+ sign 583.070+/-0.108 χ^2/NDF: 3061708.1/27

All: 579.200+/-0.076 χ^2/NDF: 6198179.9/57

- 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: 2748.339+/-591.205 χ^2/NDF:12.7/11

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

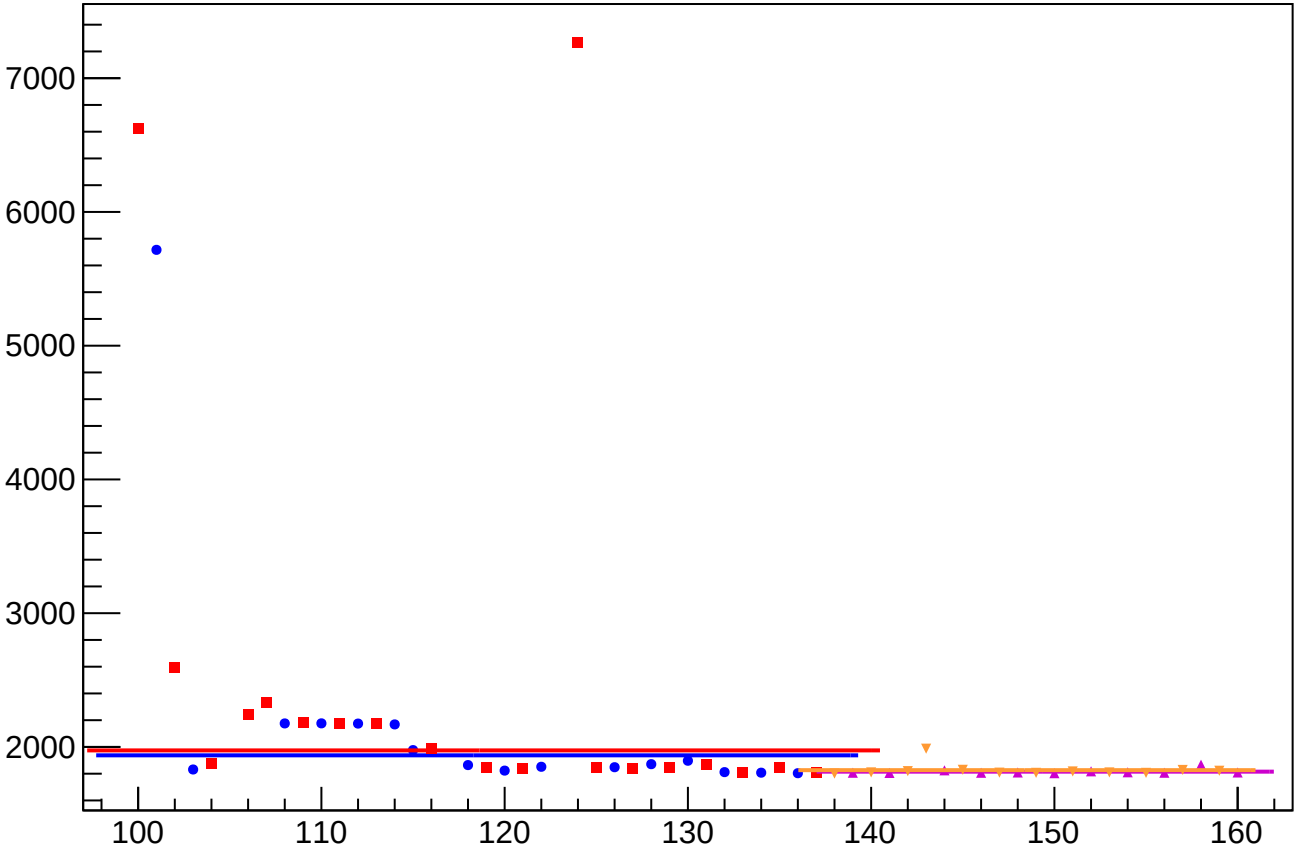
Left In: -2326.741+/-587.131 χ^2/NDF:21.7/10

+ sign 2470.181+/-460.970 χ^2/NDF: 29.7/27

All: 141.094+/-325.370 χ^2/NDF: 120.9/57

- 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: 1826.370+/-0.418 χ^2/NDF:11928.5/11

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

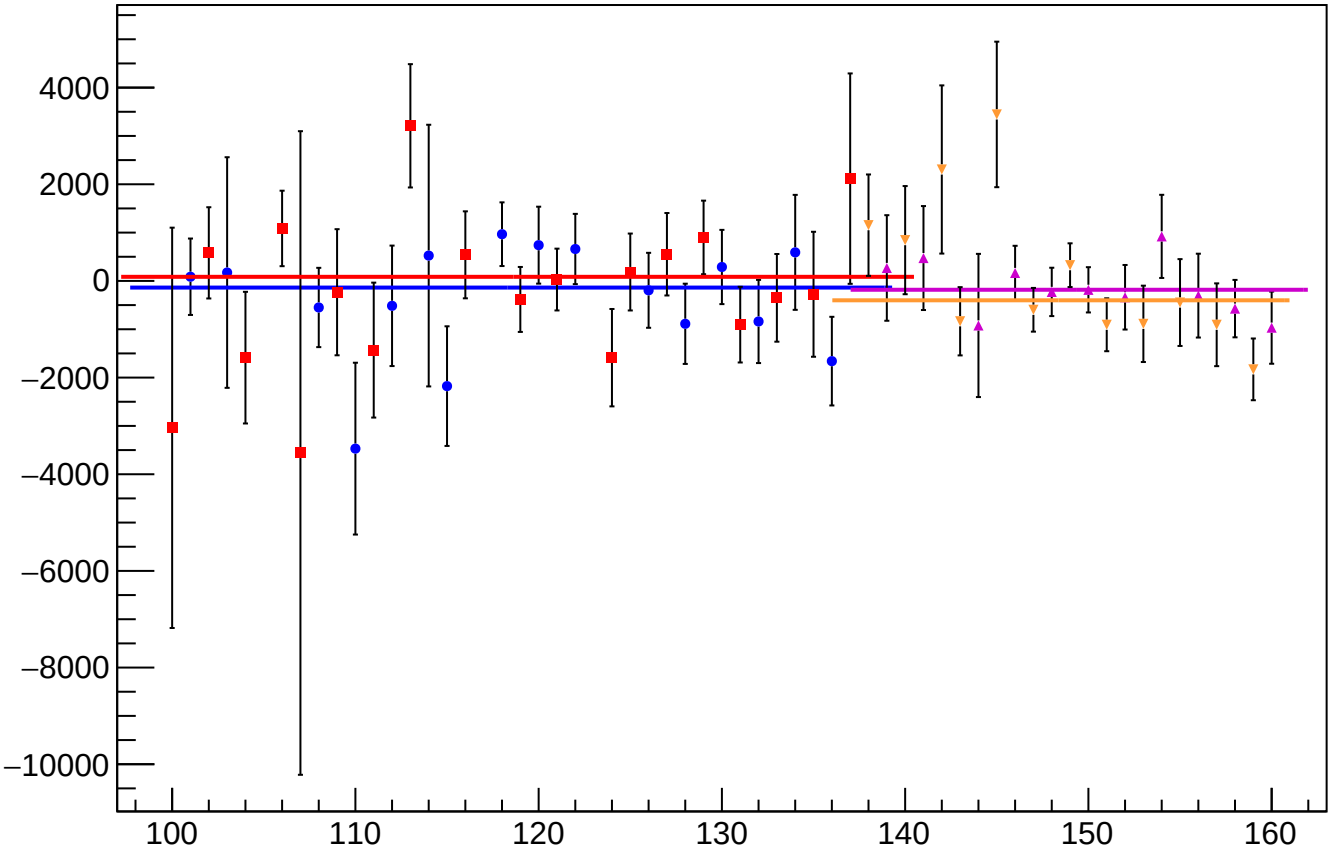
Left In: 1815.256+/-0.415 χ^2/NDF:1701.6/10

+ sign 1869.841+/-0.326 χ^2/NDF: 677601.7/27

All: 1873.386+/-0.230 χ^2/NDF: 1116804.9/57

- 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: -400.934+/-203.075 χ^2/NDF:22.1/11

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

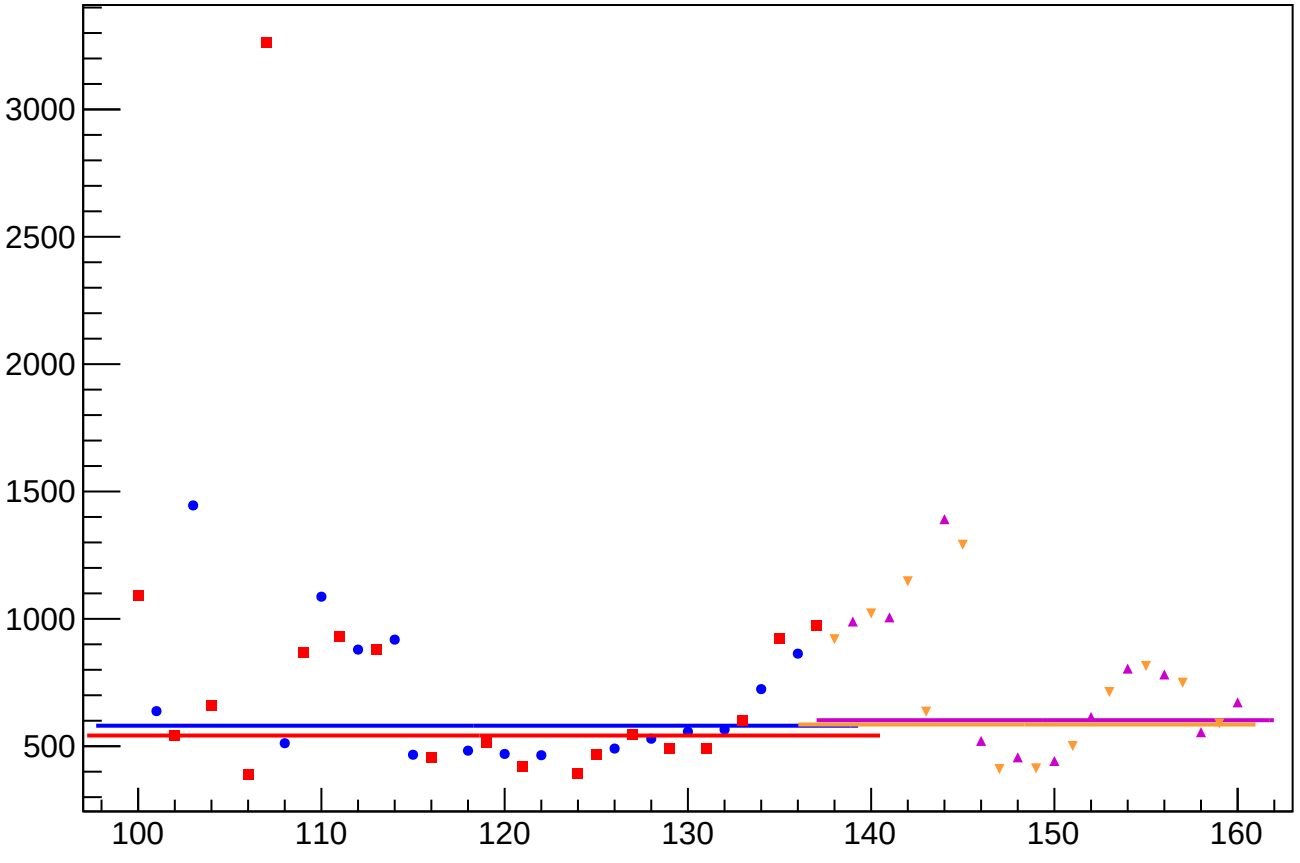
Left In: -182.870+/-206.585 χ^2/NDF:4.4/10

+ sign -285.743+/-152.340 χ^2/NDF: 39.7/27

All: -171.270+/-107.314 χ^2/NDF: 65.4/57

- 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: 584.984+/-0.144 χ^2/NDF:2057975.7/11

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

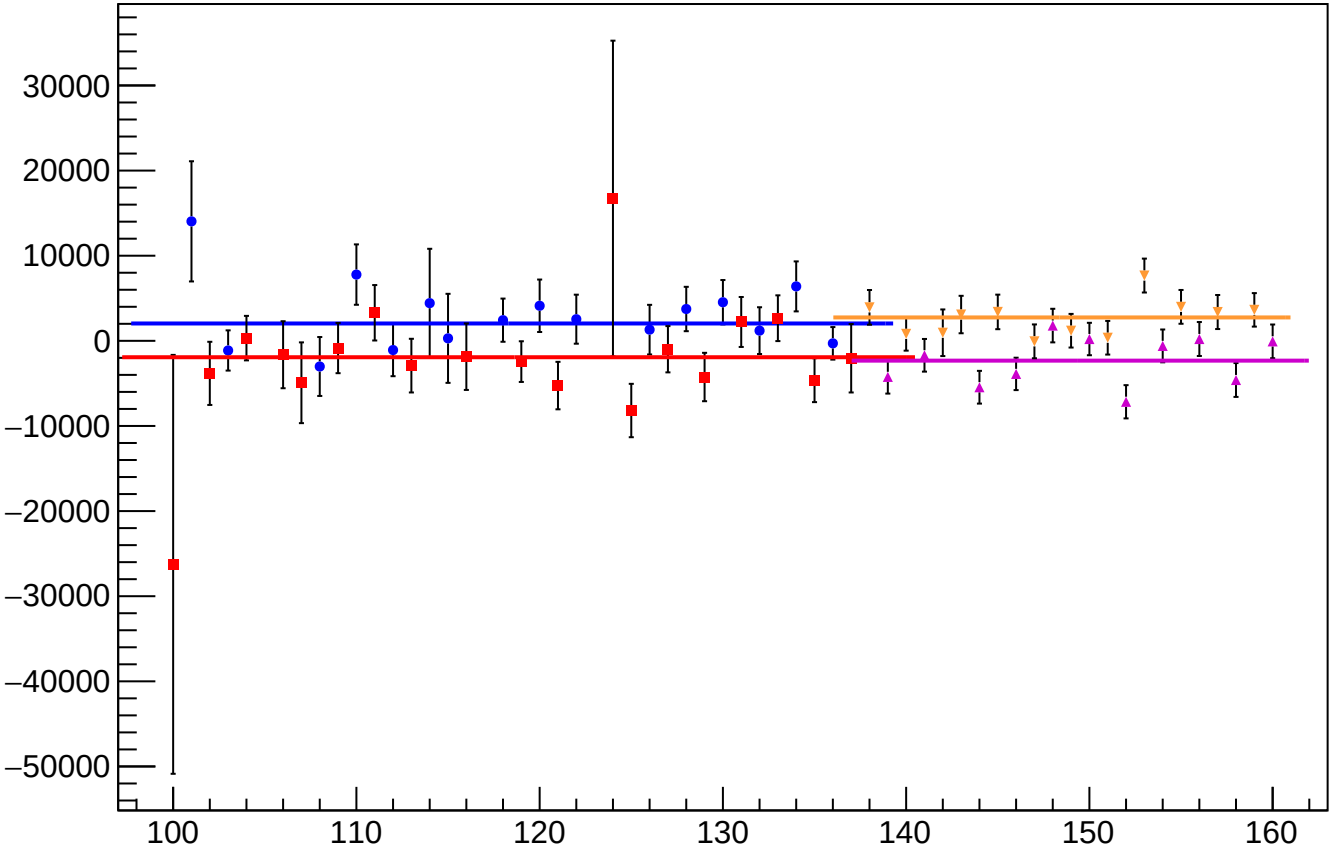
Left In: 602.105+/-0.146 χ^2/NDF:1774245.2/10

+ sign 583.031+/-0.108 χ^2/NDF: 3061298.9/27

All: 578.566+/-0.076 χ^2/NDF: 6236580.7/57

- 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: 2748.339+/-591.205 χ^2/NDF:12.7/11

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

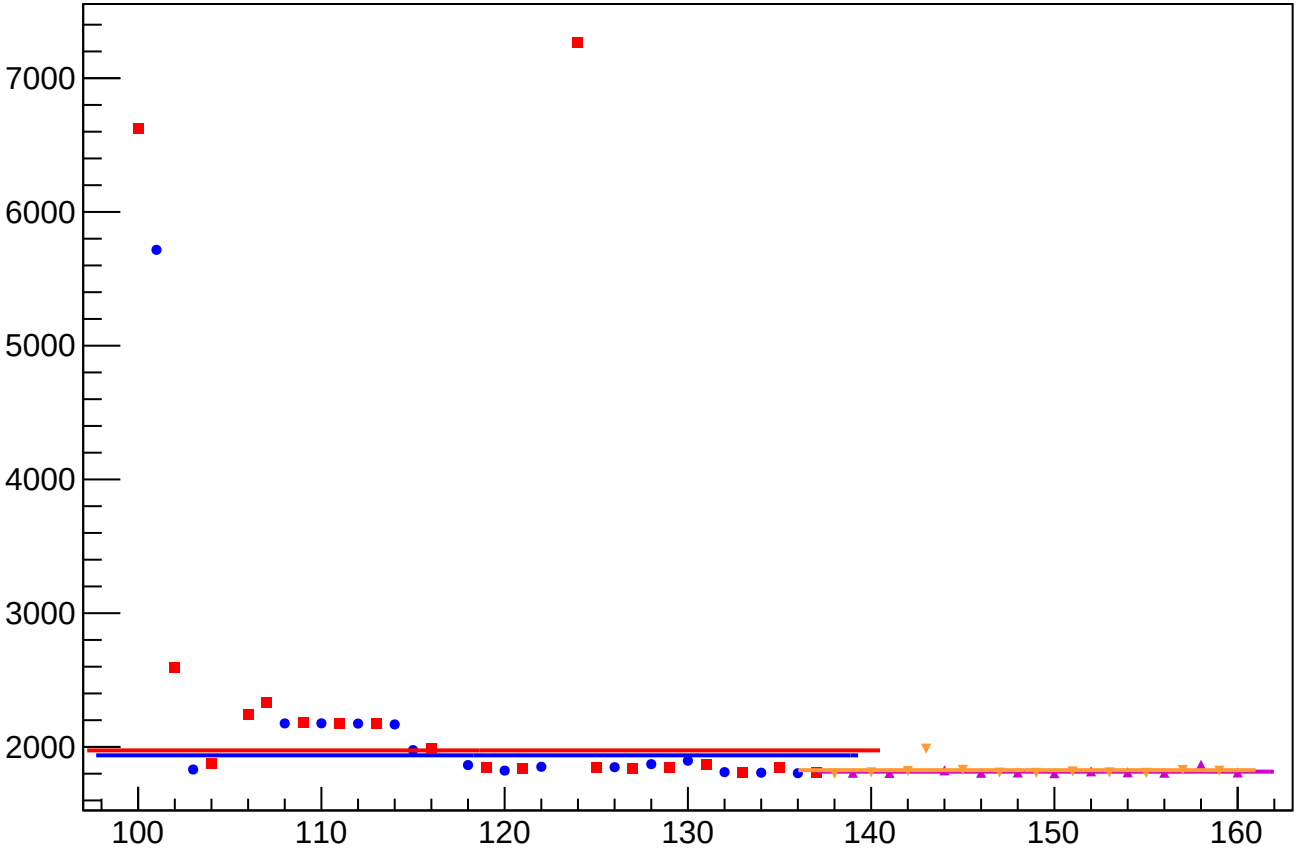
Left In: -2326.741+/-587.131 χ^2/NDF:21.7/10

+ sign 2470.181+/-460.970 χ^2/NDF: 29.7/27

All: 141.094+/-325.370 χ^2/NDF: 120.9/57

- 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: 1826.370+/-0.418 χ^2/NDF:11928.5/11

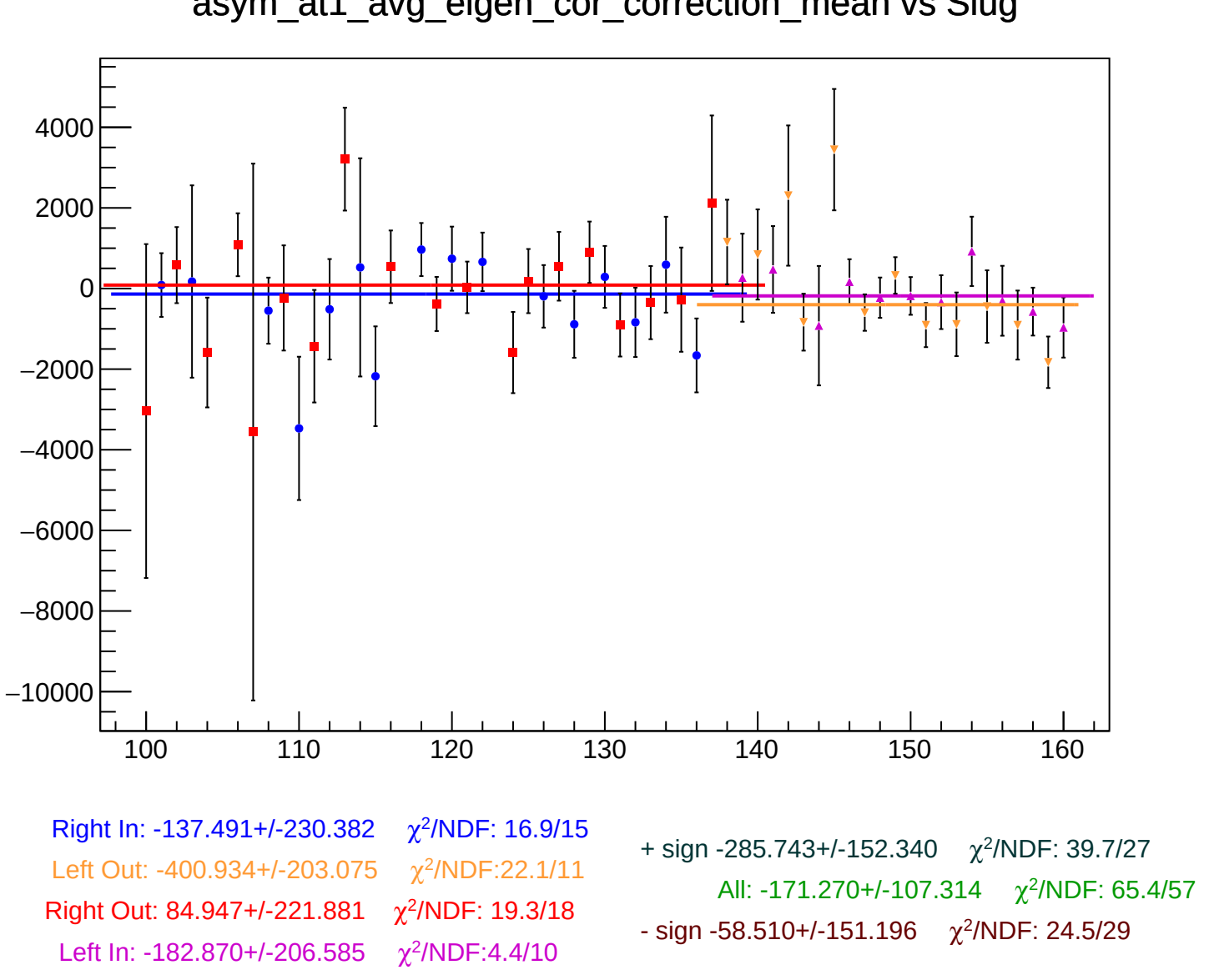
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1815.256+/-0.415 χ^2/NDF:1701.6/10

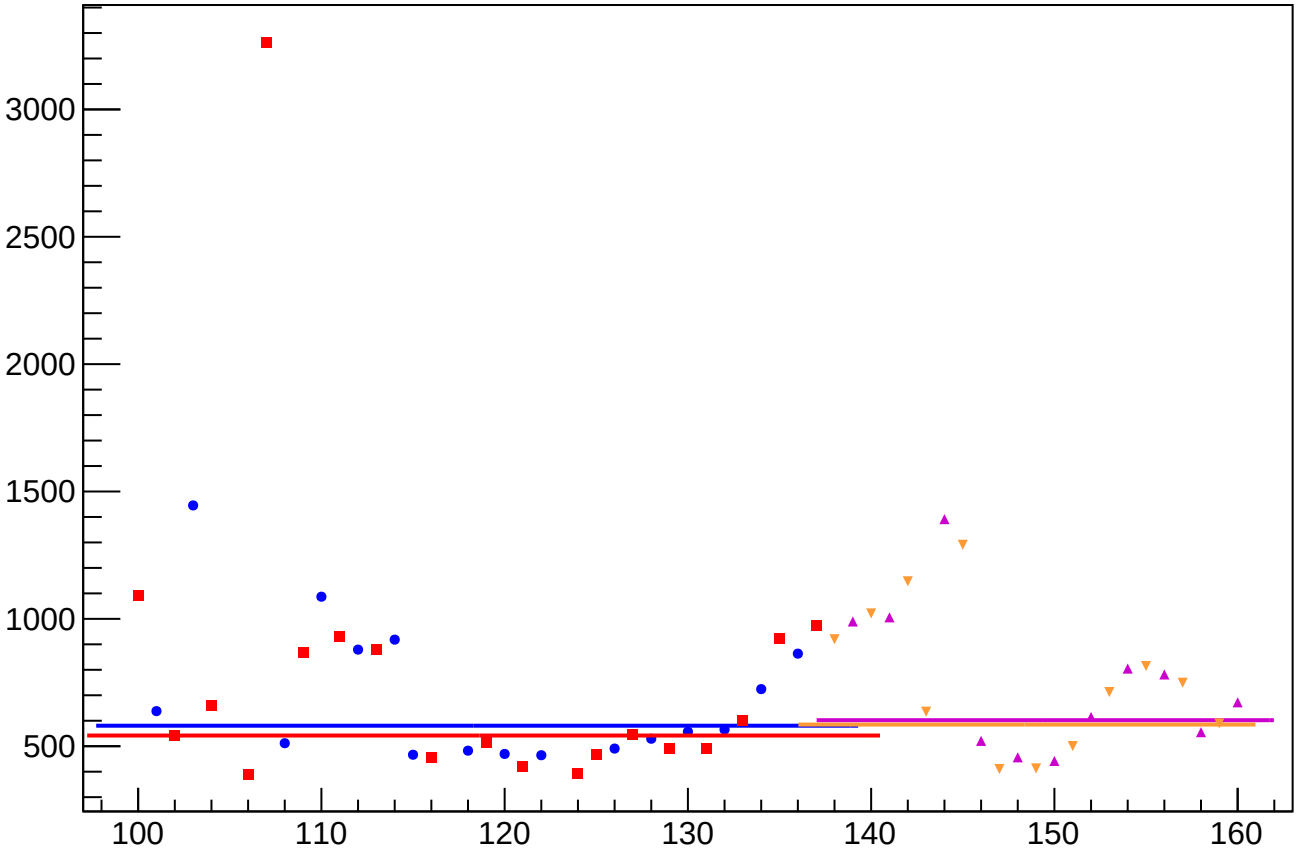
+ sign 1869.841+/-0.326 χ^2/NDF: 677601.7/27

All: 1873.386+/-0.230 χ^2/NDF: 1116804.9/57

- 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: -400.934+/-203.075 χ²/NDF:22.1/11
Right Out: 84.947+/-221.881 χ²/NDF: 19.3/18
Left In: -182.870+/-206.585 χ²/NDF:4.4/10
+ sign -285.743+/-152.340 χ²/NDF: 39.7/27
All: -171.270+/-107.314 χ²/NDF: 65.4/57
- 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: 584.984+/-0.144 χ^2/NDF:2057975.7/11

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

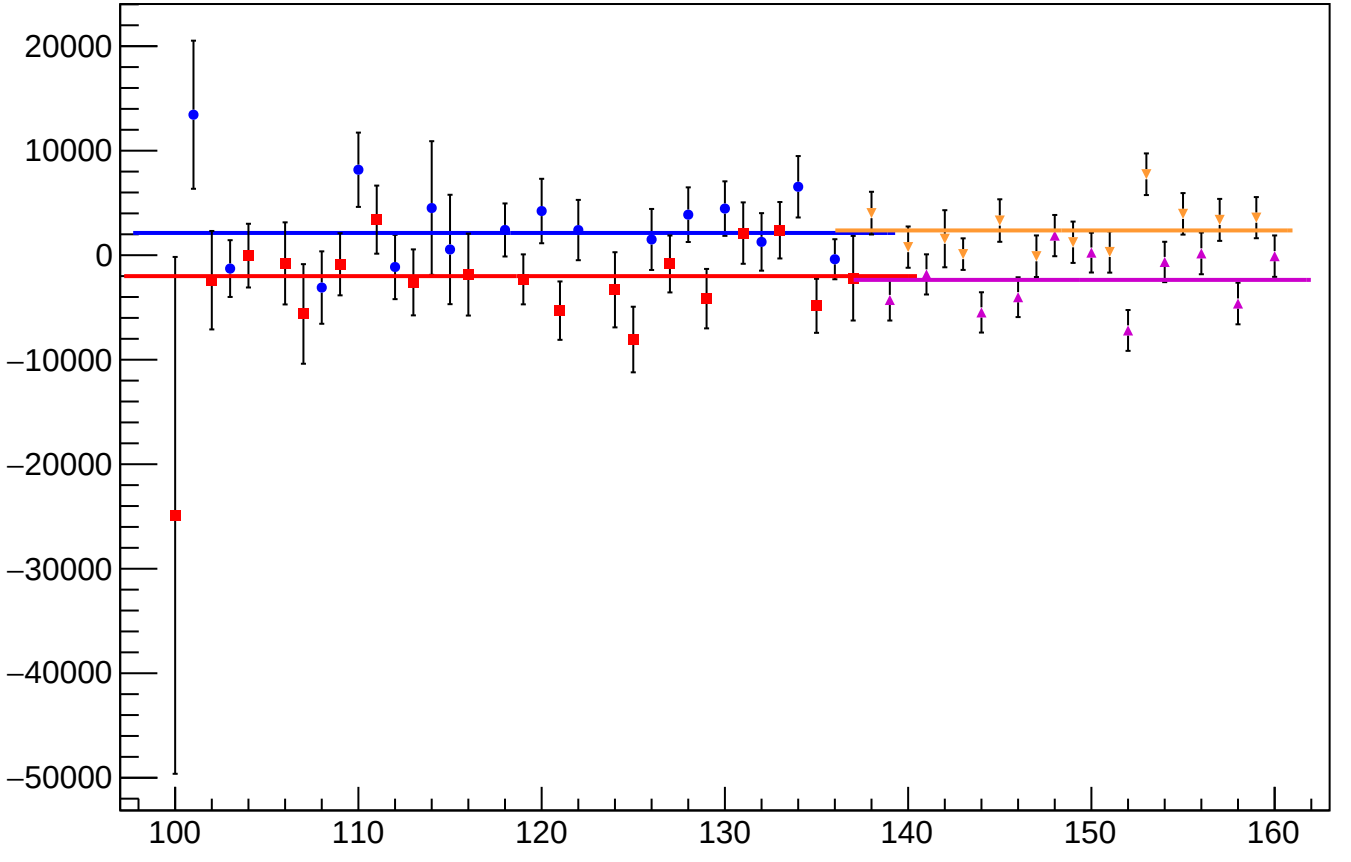
Left In: 602.105+/-0.146 χ^2/NDF:1774245.2/10

+ sign 583.031+/-0.108 χ^2/NDF: 3061298.9/27

All: 578.566+/-0.076 χ^2/NDF: 6236580.7/57

- 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: 2368.772+/-569.218 χ^2/NDF:15.4/11

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

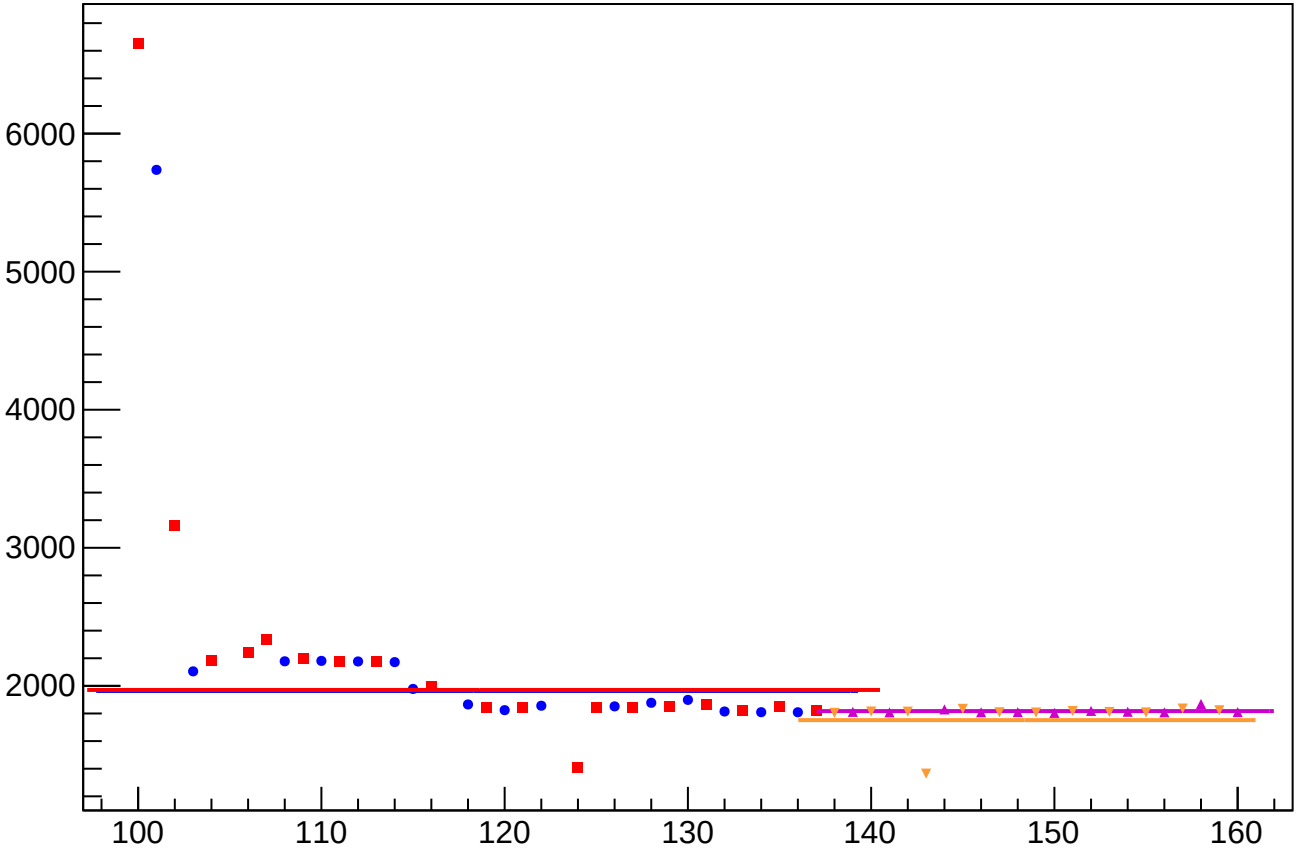
Left In: -2362.790+/-587.810 χ^2/NDF:22.0/10

+ sign 2280.487+/-452.583 χ^2/NDF: 31.9/27

All: 63.527+/-322.475 χ^2/NDF: 119.6/57

- 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: 1751.817+/-0.402 χ^2/NDF:154161.8/11

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

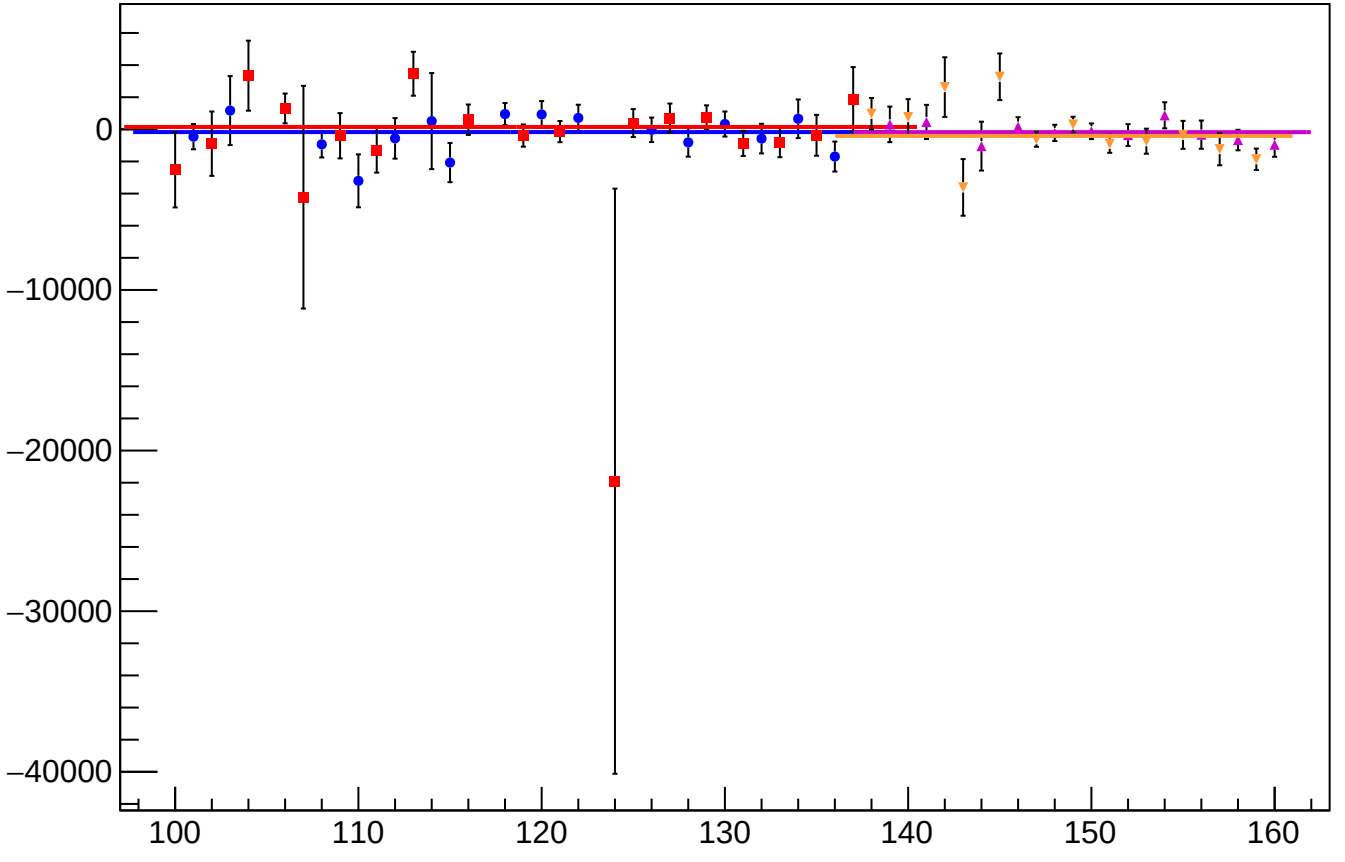
Left In: 1817.325+/-0.416 χ^2/NDF:1732.5/10

+ sign 1829.647+/-0.320 χ^2/NDF: 896072.1/27

All: 1852.883+/-0.228 χ^2/NDF: 1306403.1/57

- 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: -409.745+/-217.524 χ^2/NDF:24.3/11

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

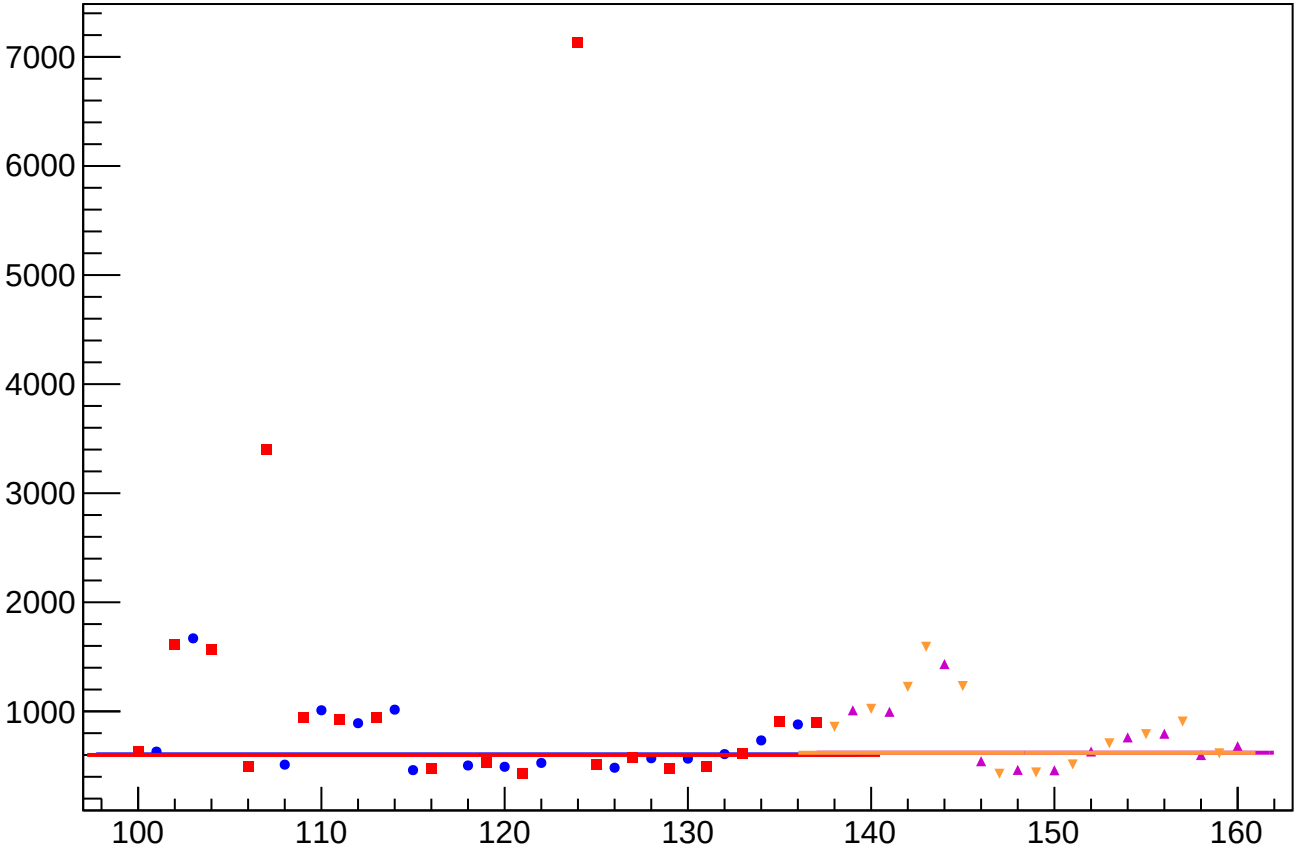
Left In: -174.299+/-211.754 χ^2/NDF:4.7/10

+ sign -300.437+/-160.229 χ^2/NDF: 42.1/27

All: -167.354+/-113.076 χ^2/NDF: 69.2/57

- 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: 620.136+/-0.154 χ^2/NDF:2503550.7/11

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

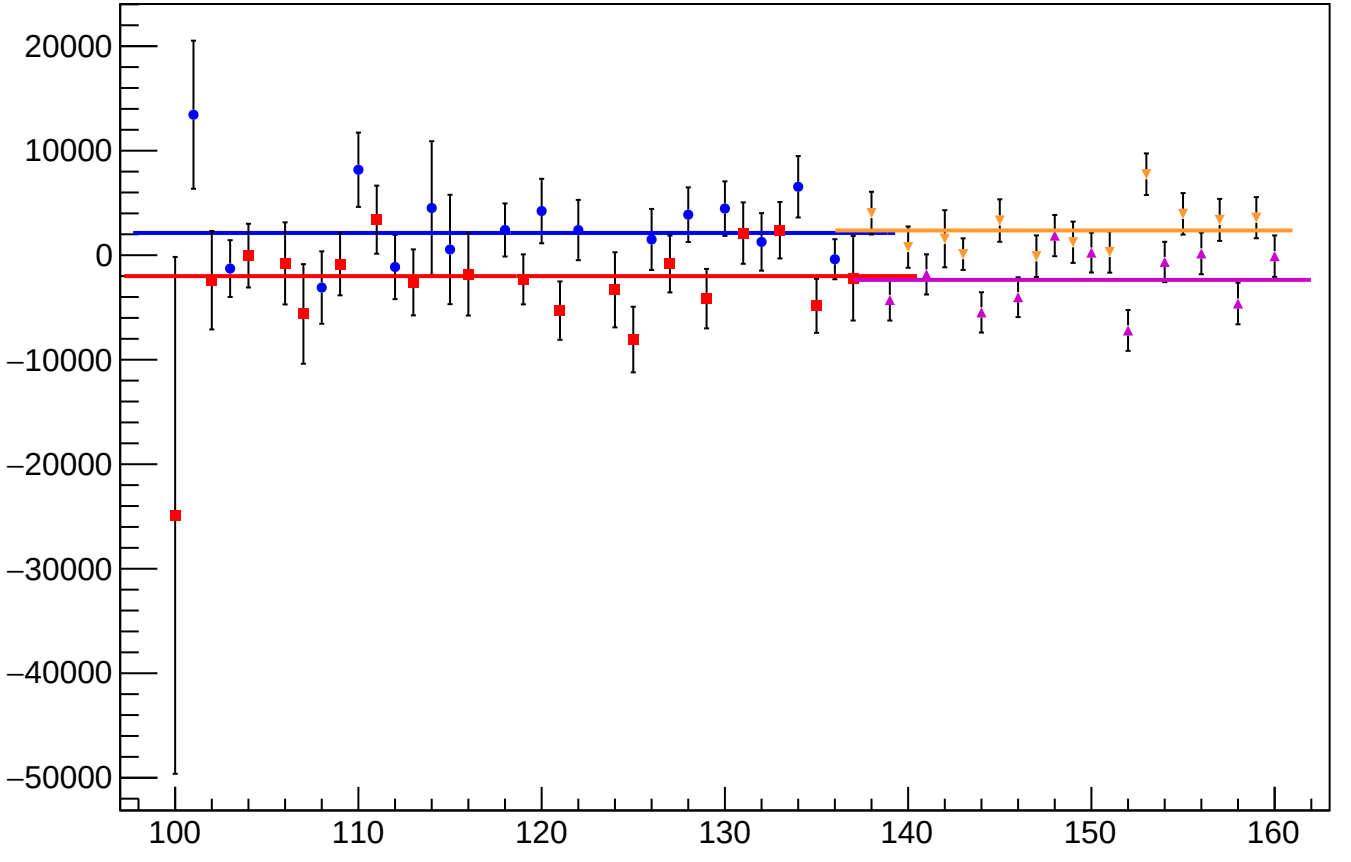
Left In: 620.867+/-0.150 χ^2/NDF:1665766.2/10

+ sign 613.409+/-0.113 χ^2/NDF: 3670186.9/27

All: 612.725+/-0.080 χ^2/NDF: 7672582.4/57

- 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: 2368.773+/-569.218 χ^2/NDF:15.4/11

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

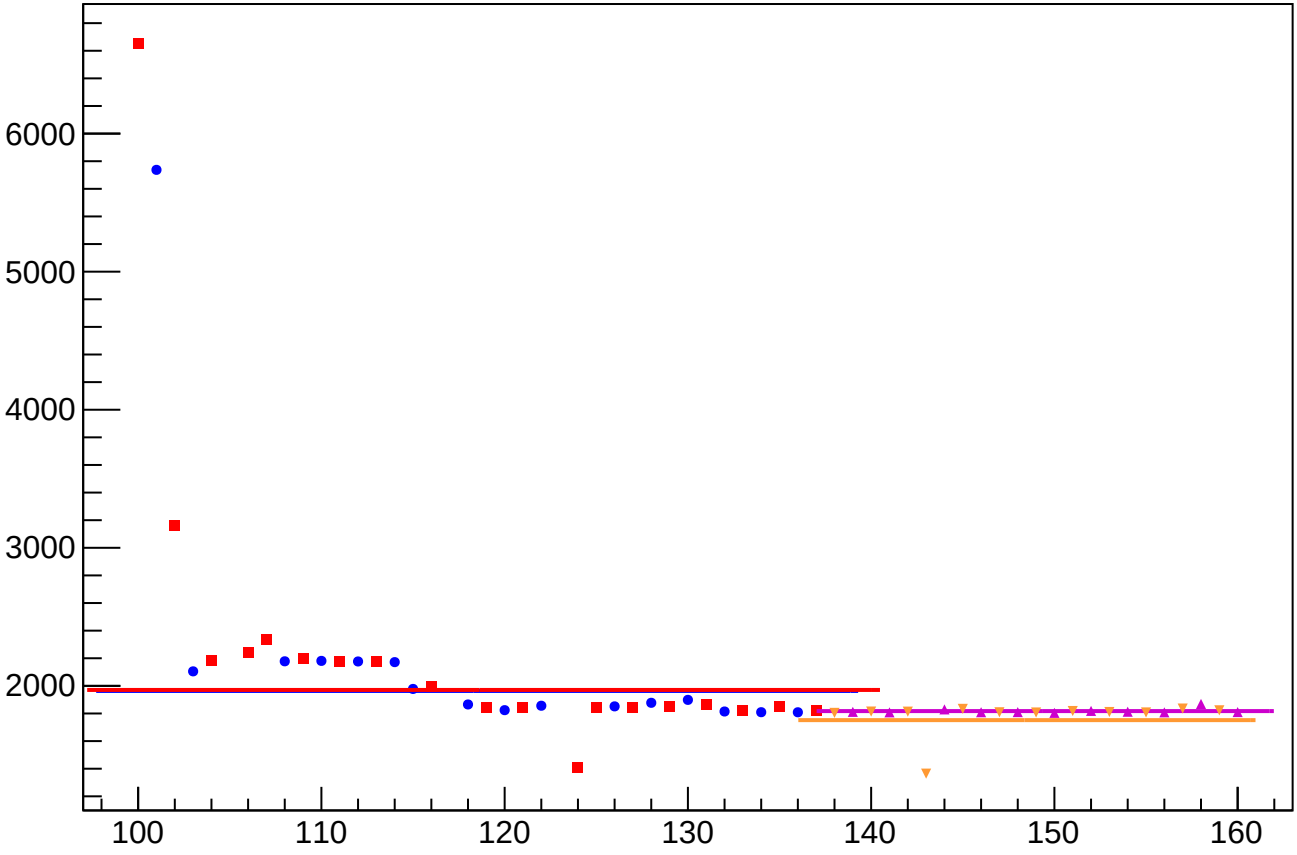
Left In: -2362.790+/-587.810 χ^2/NDF:22.0/10

+ sign 2280.486+/-452.583 χ^2/NDF: 31.9/27

All: 63.527+/-322.475 χ^2/NDF: 119.6/57

- 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: 1751.817+/-0.402 χ^2/NDF:154161.8/11

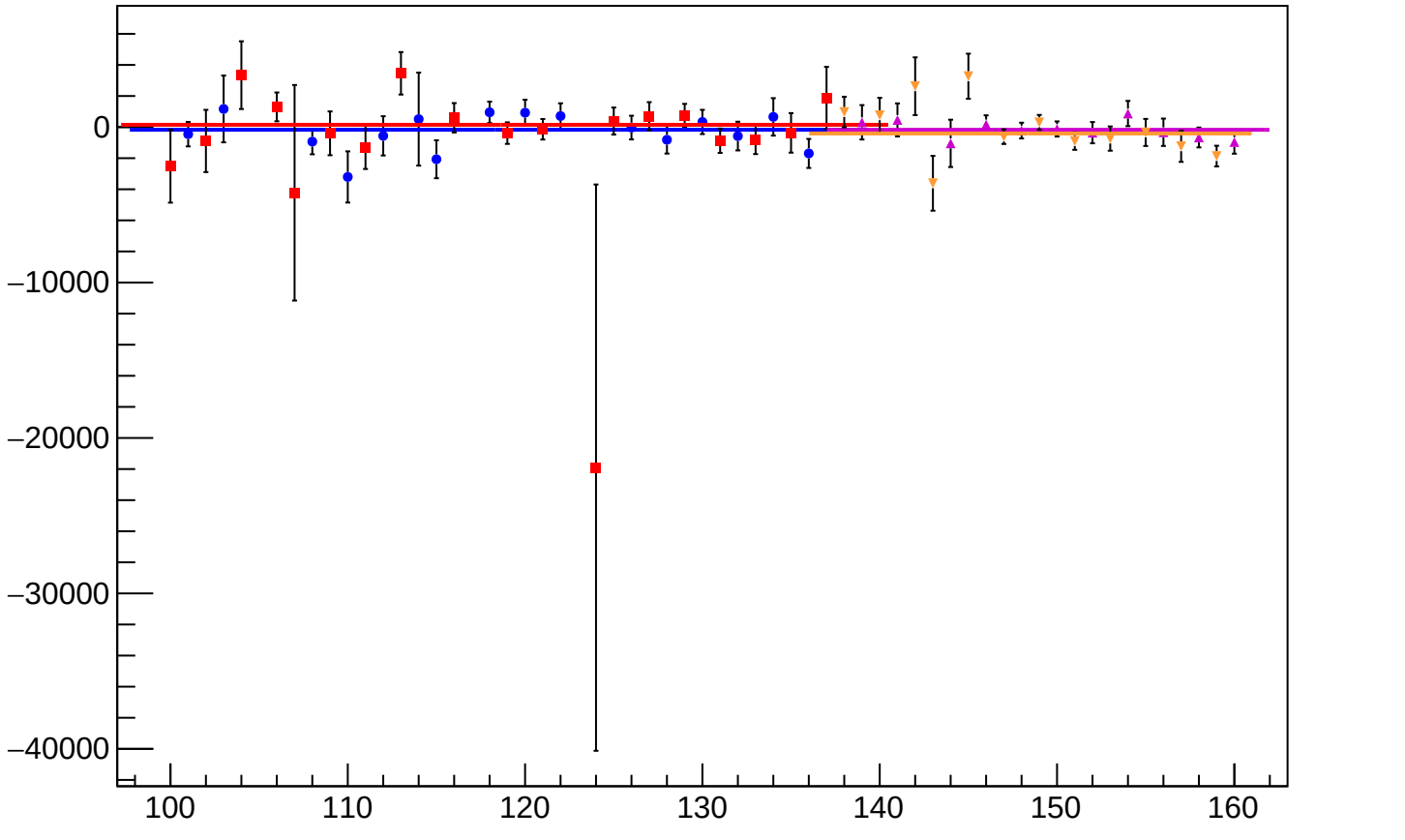
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1817.325+/-0.416 χ^2/NDF:1732.5/10

+ sign 1829.647+/-0.320 χ^2/NDF: 896071.6/27

All: 1852.883+/-0.228 χ^2/NDF: 1306401.1/57

- sign 1876.844+/-0.325 χ^2/NDF: 399621.7/29



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -409.746+/-217.524 χ^2/NDF:24.3/11

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

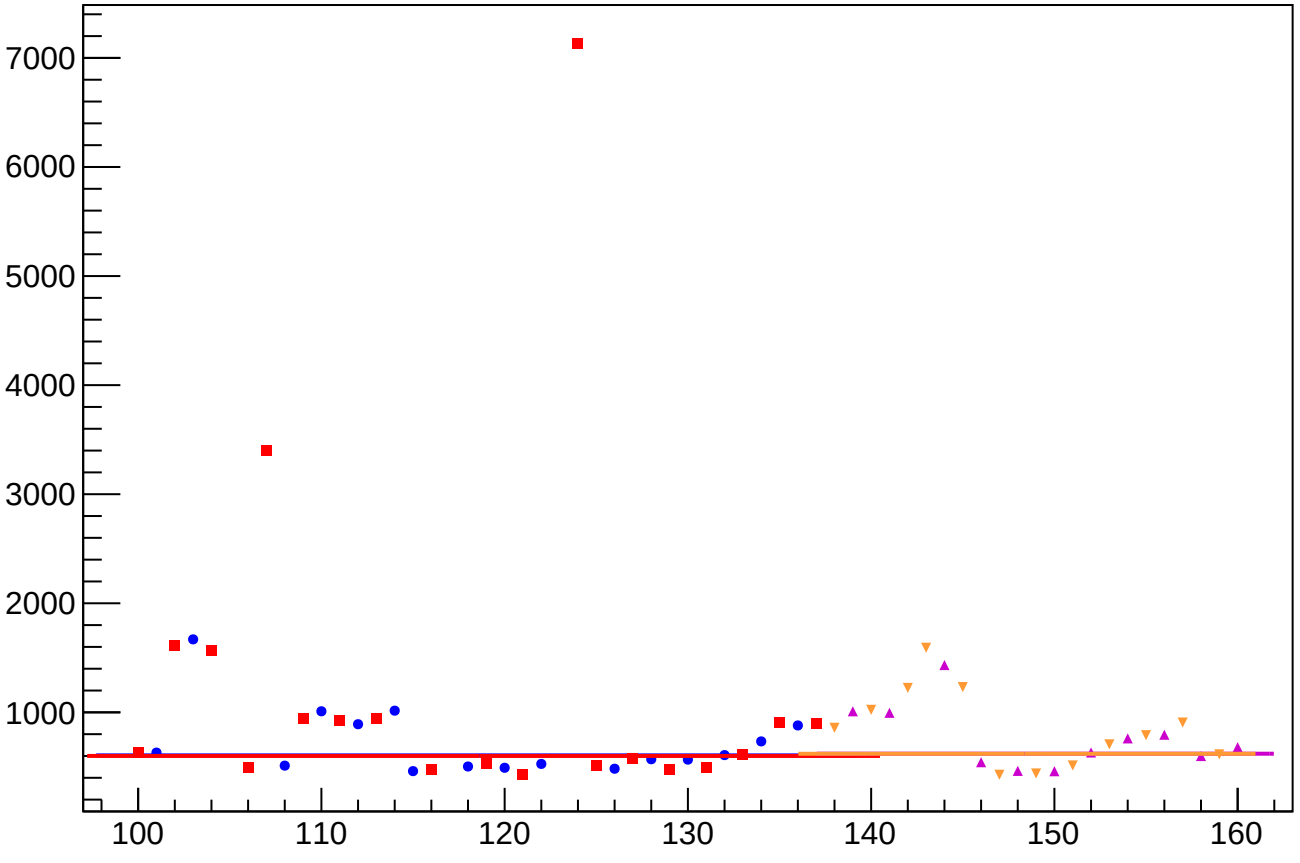
Left In: -174.299+/-211.754 χ^2/NDF:4.7/10

+ sign -300.436+/-160.229 χ^2/NDF: 42.1/27

All: -167.353+/-113.076 χ^2/NDF: 69.2/57

- 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: 620.137+/-0.154 χ^2/NDF:2503542.4/11

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

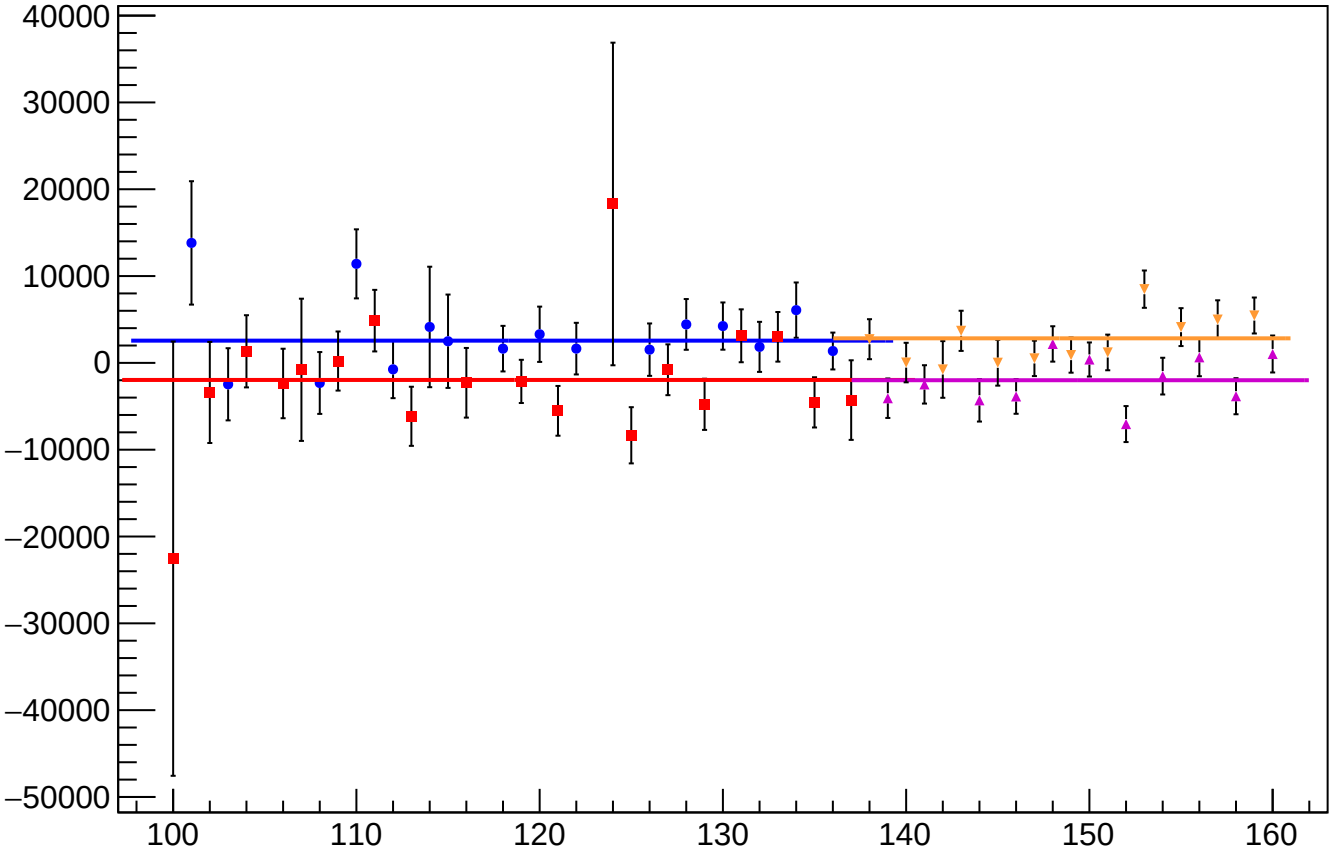
Left In: 620.868+/-0.150 χ^2/NDF:1665760.8/10

+ sign 613.409+/-0.113 χ^2/NDF: 3670187.7/27

All: 612.726+/-0.080 χ^2/NDF: 7672587.3/57

- 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: 2828.059+/-647.036 χ^2/NDF:16.7/11

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

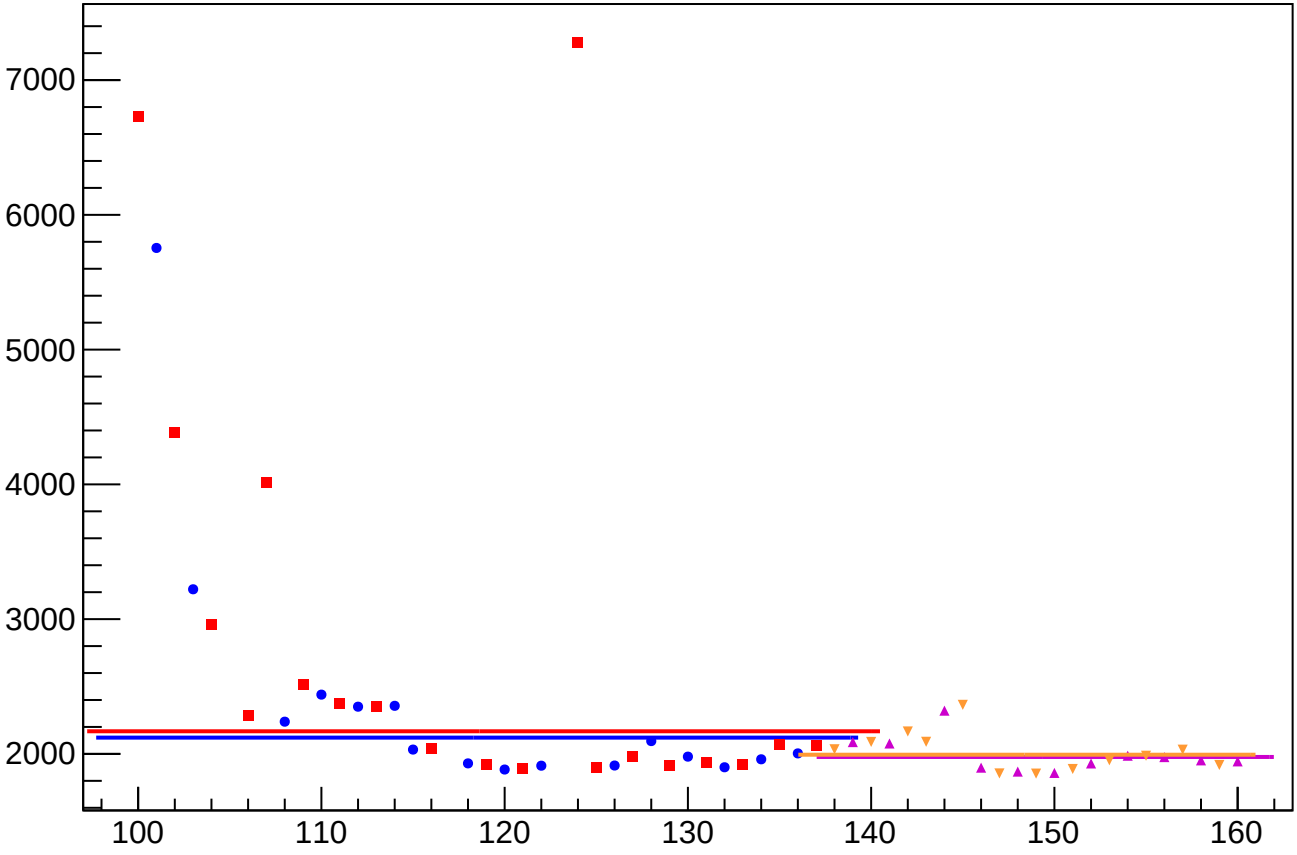
Left In: -1997.797+/-640.889 χ^2/NDF:18.6/10

+ sign 2723.965+/-505.461 χ^2/NDF: 31.3/27

All: 365.373+/-357.140 χ^2/NDF: 115.0/57

- 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: 1993.879+/-0.458 χ^2/NDF:80666.2/11

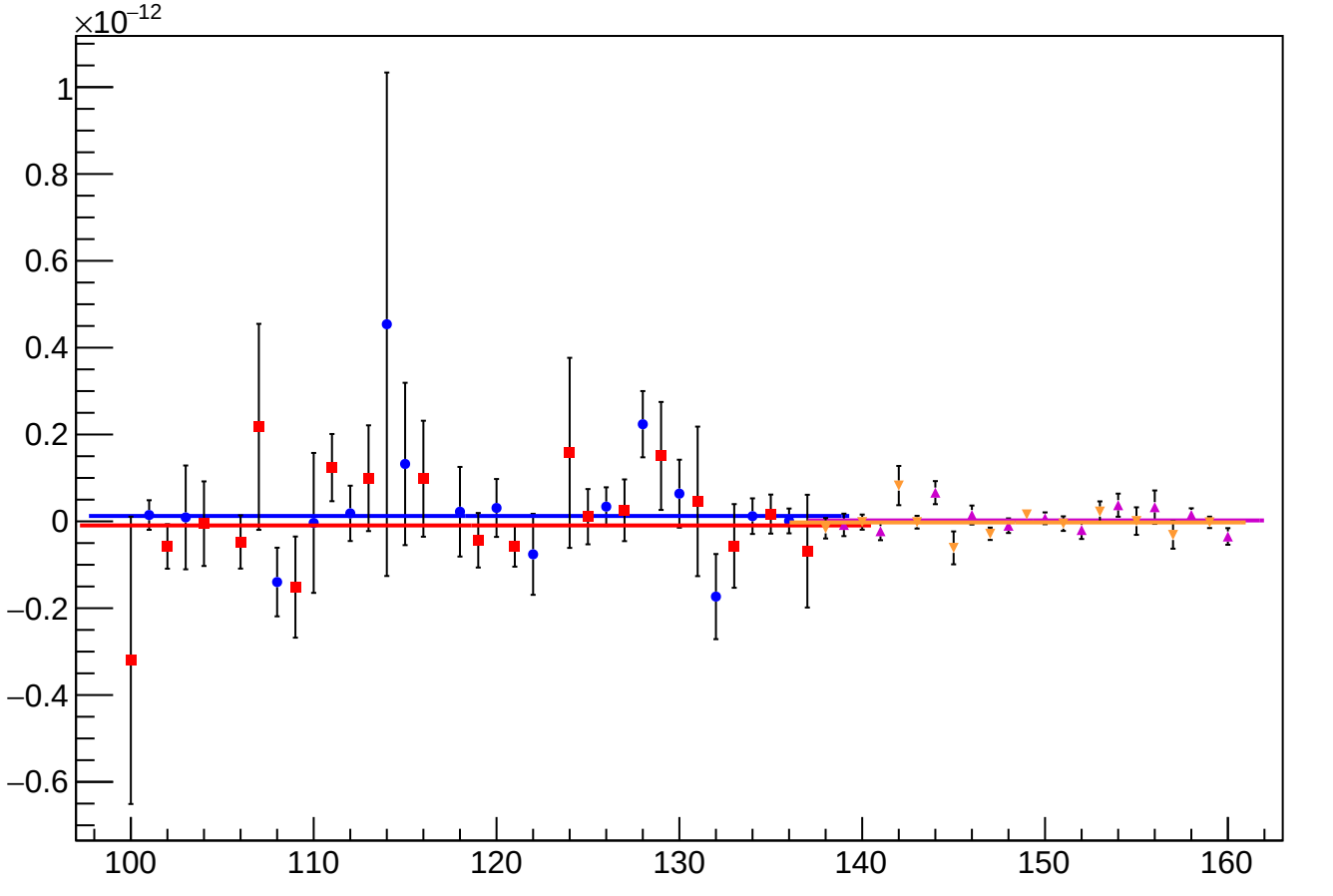
Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1977.266+/-0.453 χ^2/NDF:66147.7/10

+ sign 2043.336+/-0.357 χ^2/NDF: 870617.1/27

All: 2046.504+/-0.253 χ^2/NDF: 1828026.9/57

- 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:14.1/11

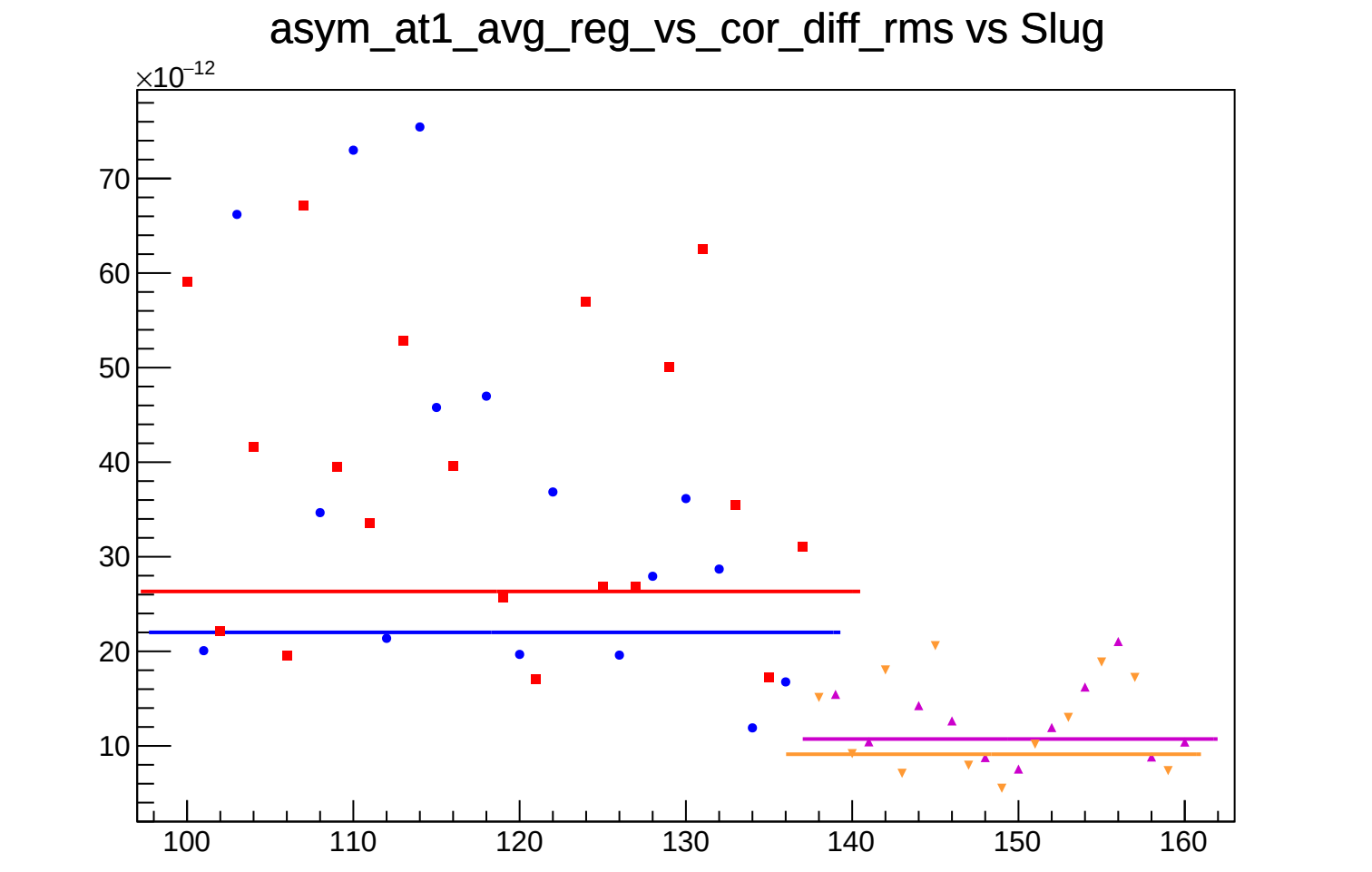
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

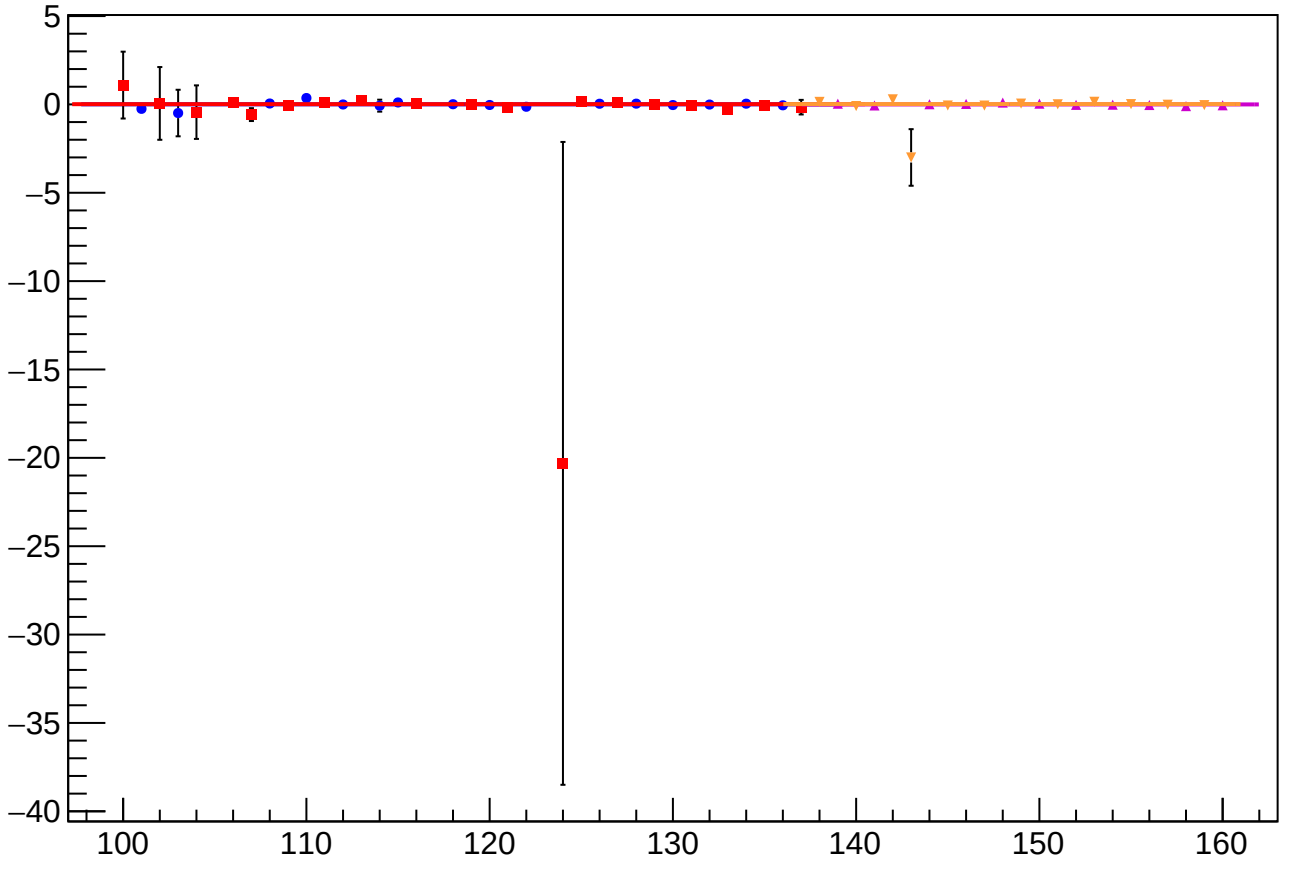
Left In: 0.000+/-0.000 χ^2/NDF:16.2/10

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/27

All: -0.000+/-0.000 χ^2/NDF: 63.2/57

- 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:1053161.0/11
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: 3444348.8/27
All: 0.000+/-0.000 χ²/NDF: 6122247.5/57
- sign 0.000+/-0.000 χ²/NDF: 2573482.1/29



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.019 χ^2/NDF:22.4/11

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

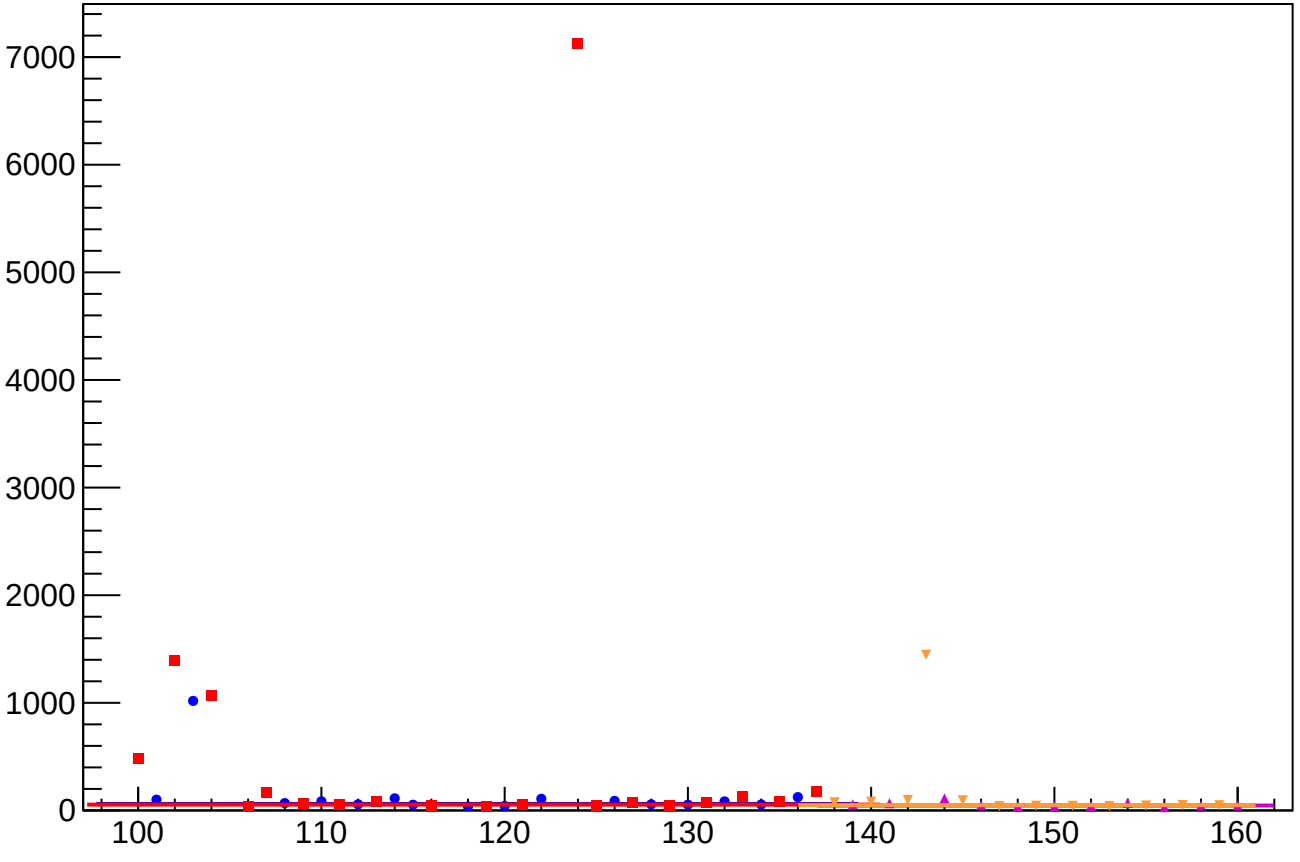
Left In: -0.001+/-0.017 χ^2/NDF:12.1/10

+ sign 0.013+/-0.015 χ^2/NDF: 33.9/27

All: 0.008+/-0.010 χ^2/NDF: 64.1/57

- 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: 48.941+/-0.013 χ^2/NDF:2621705.7/11

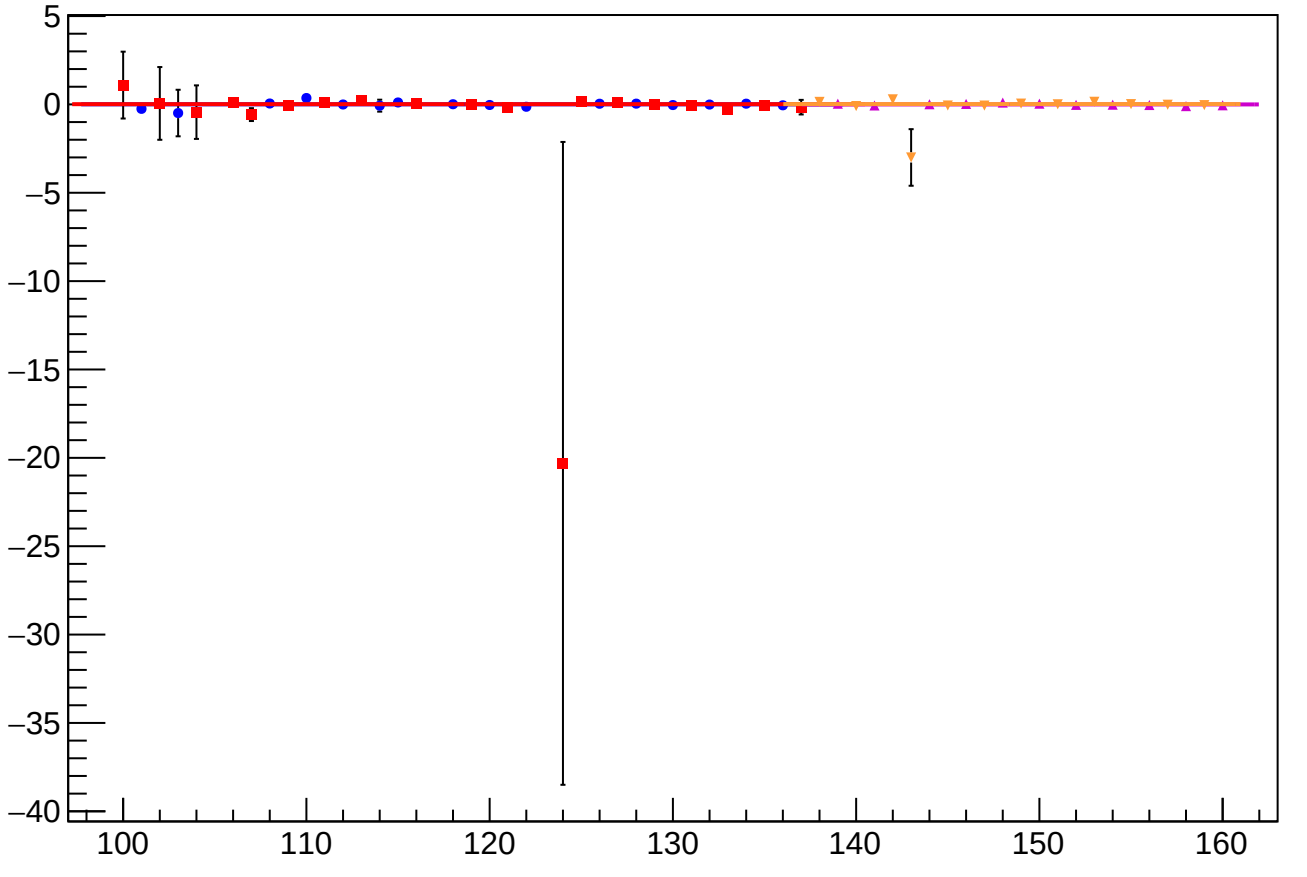
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.746+/-0.012 χ^2/NDF:1329221.1/10

+ sign 52.495+/-0.011 χ^2/NDF: 5384836.2/27

All: 50.203+/-0.007 χ^2/NDF: 10471832.8/57

- 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: 0.018+/-0.019 χ^2/NDF:22.4/11

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

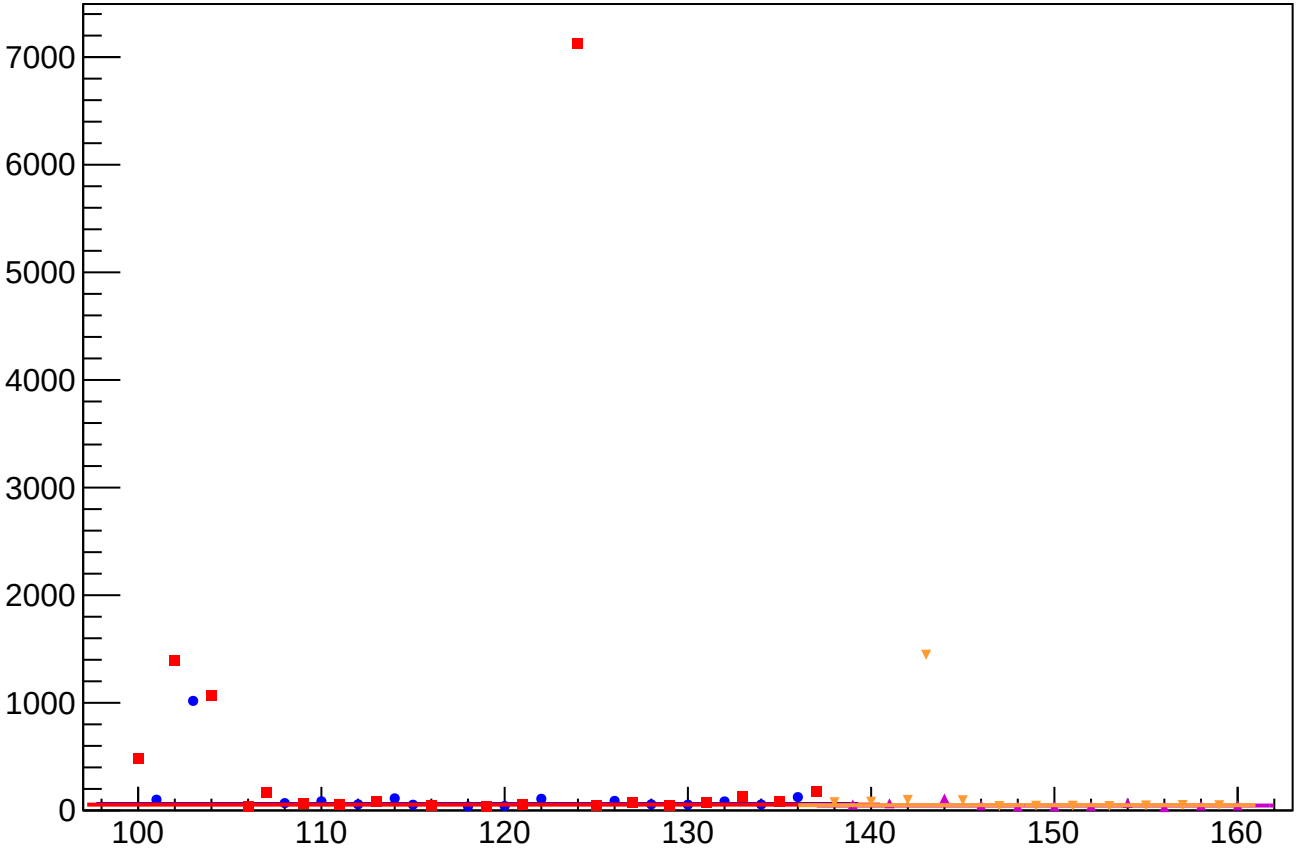
Left In: -0.001+/-0.017 χ^2/NDF:12.1/10

+ sign 0.013+/-0.015 χ^2/NDF: 33.9/27

All: 0.008+/-0.010 χ^2/NDF: 64.1/57

- 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: 48.941+/-0.013 χ^2/NDF:2621705.7/11

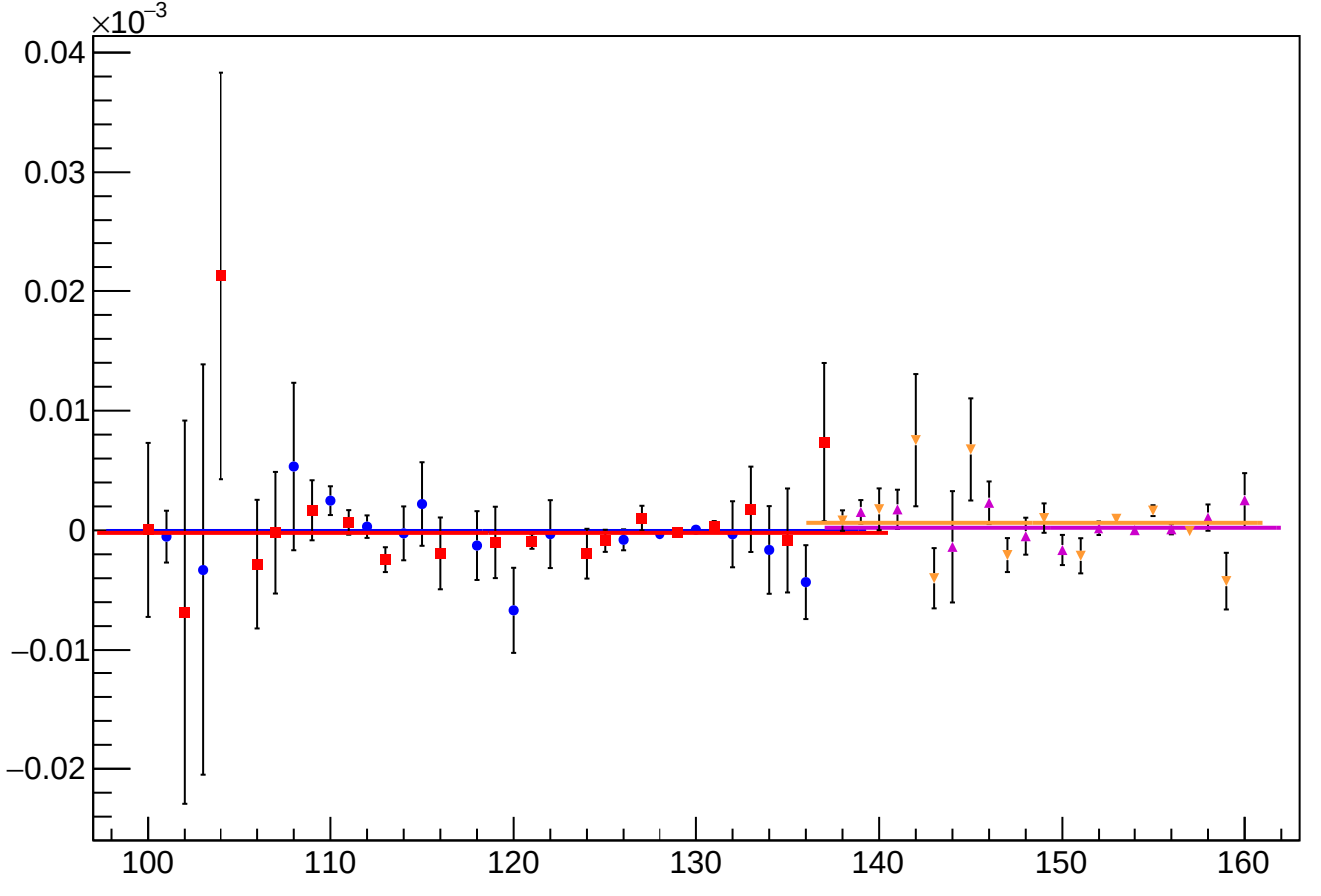
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.746+/-0.012 χ^2/NDF:1329221.1/10

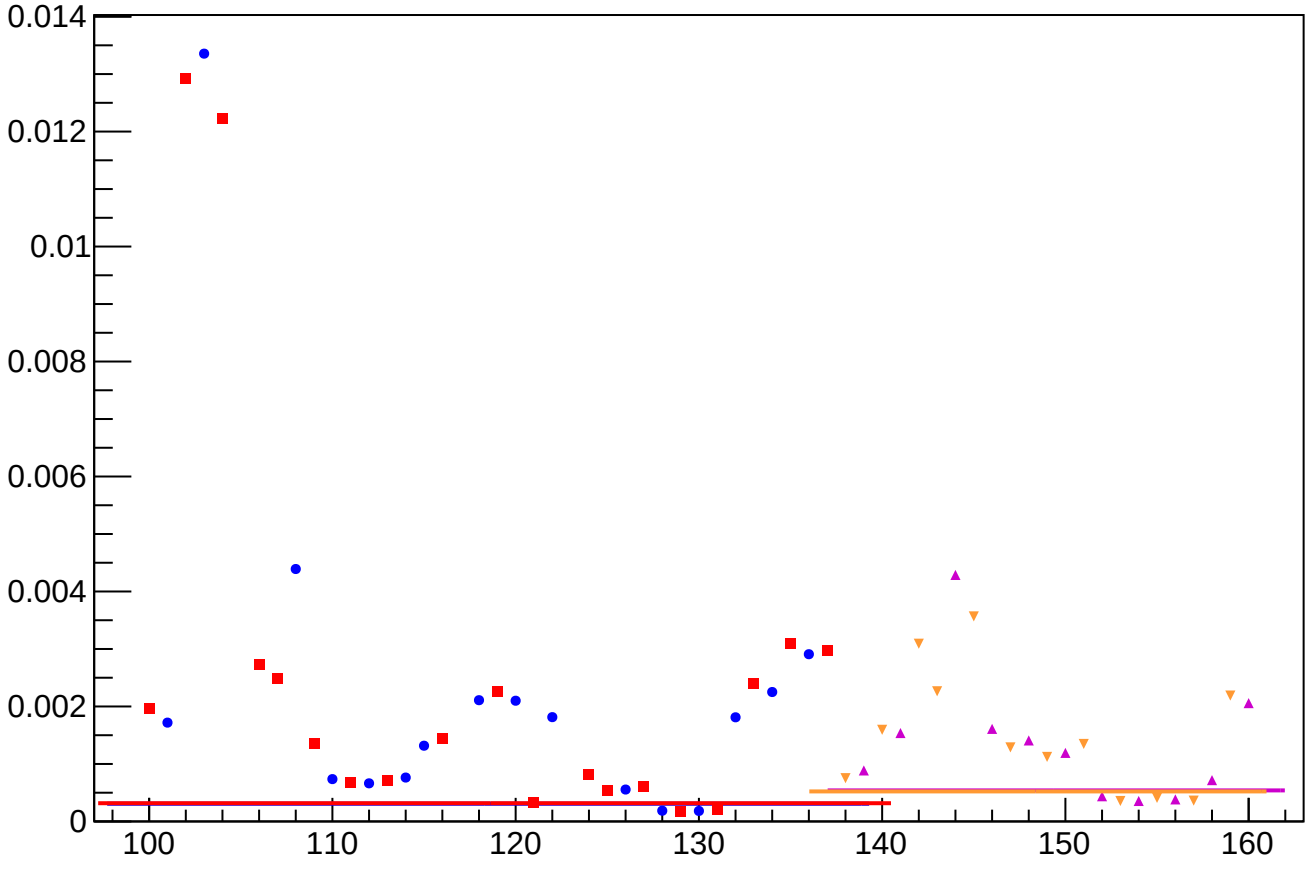
+ sign 52.495+/-0.011 χ^2/NDF: 5384836.2/27

All: 50.203+/-0.007 χ^2/NDF: 10471832.8/57

- sign 48.262+/-0.010 χ^2/NDF: 5003629.8/29


asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
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: 12.8/15
Left Out: 0.000+/-0.000 χ²/NDF:27.8/11
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/18
Left In: 0.000+/-0.000 χ²/NDF:8.5/10
+ sign 0.000+/-0.000 χ²/NDF: 46.1/27
All: 0.000+/-0.000 χ²/NDF: 74.3/57
- sign -0.000+/-0.000 χ²/NDF: 26.2/29

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:6804244.1/11

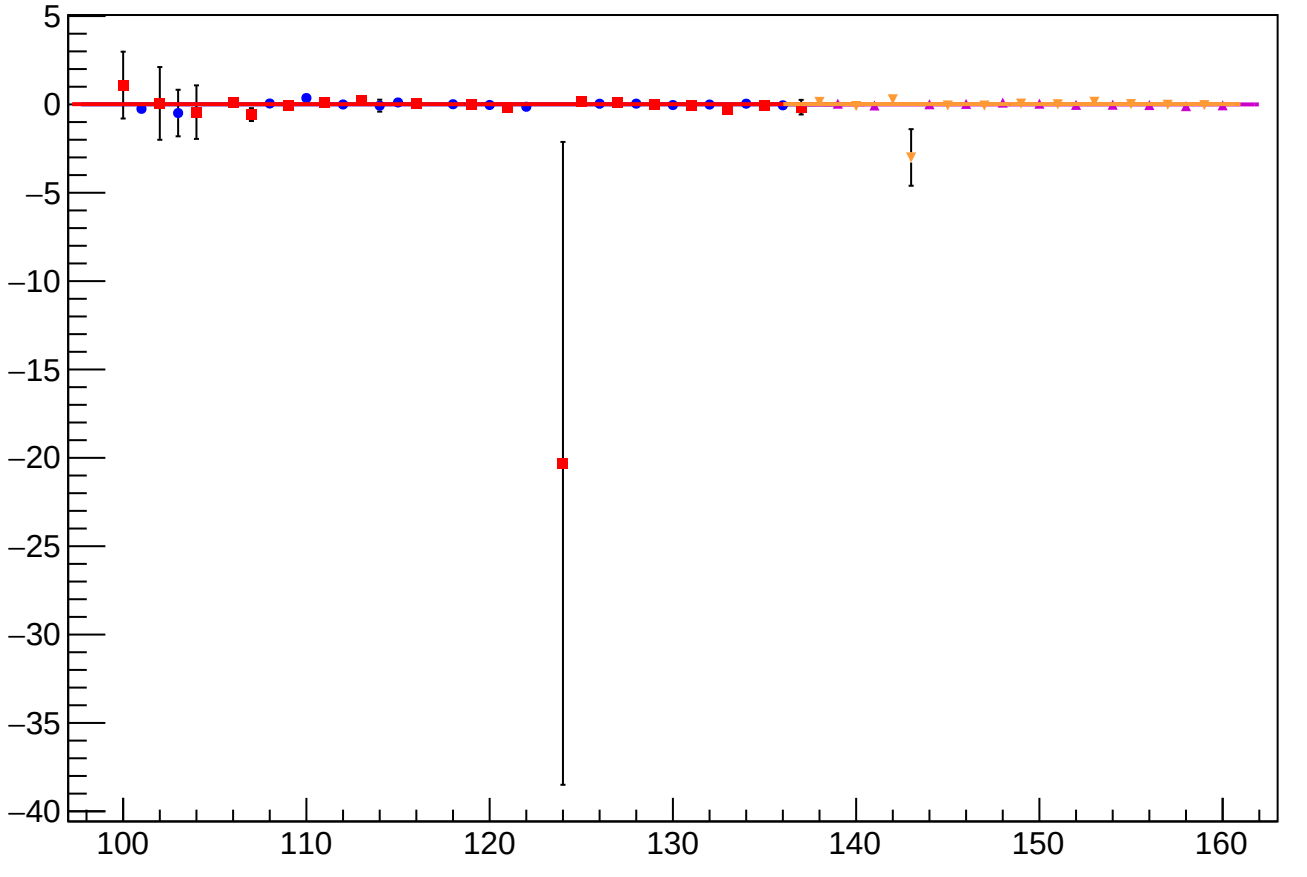
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:5935204.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 16652309.3/27

All: 0.000+/-0.000 χ^2/NDF: 31724816.5/57

- sign 0.000+/-0.000 χ^2/NDF: 15070344.6/29



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.019 χ^2/NDF:22.4/11

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

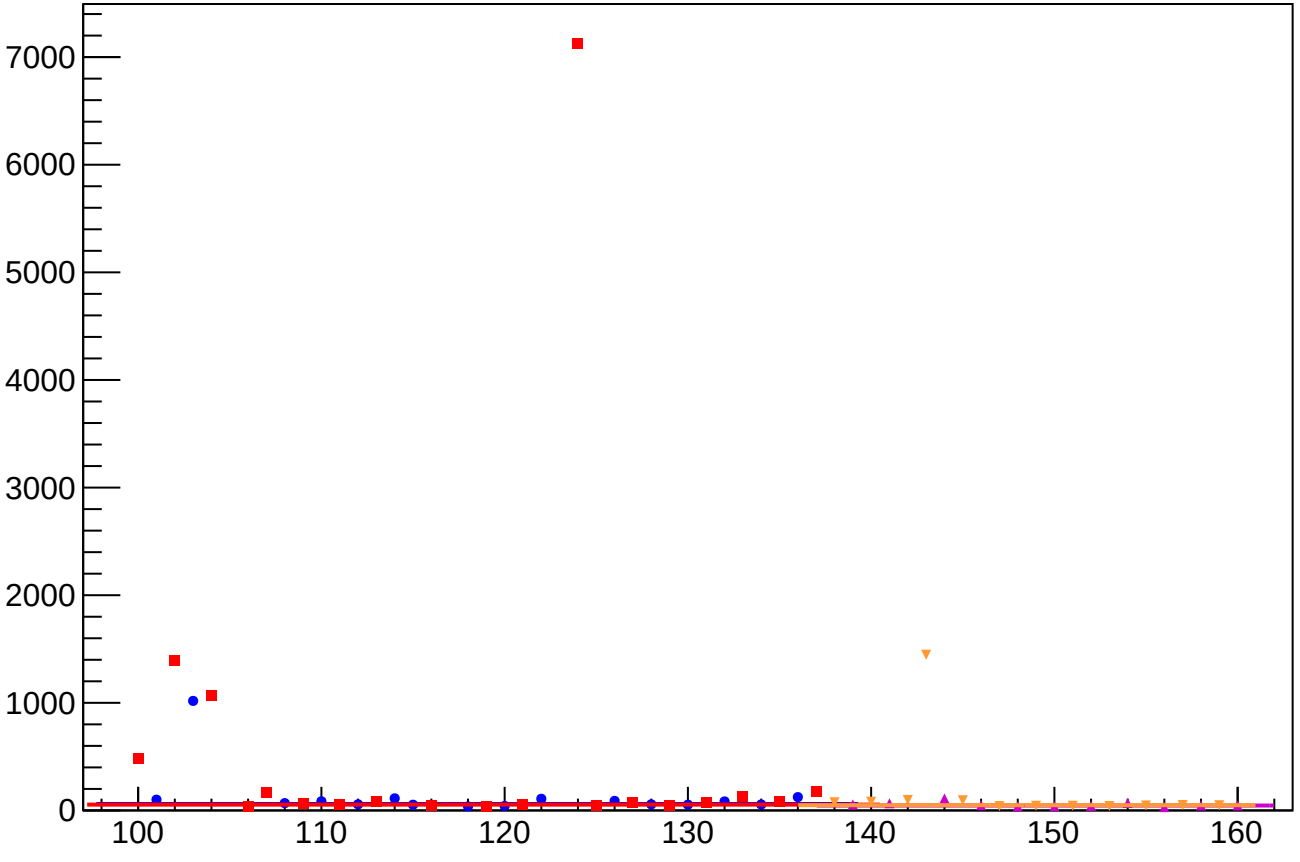
Left In: -0.001+/-0.017 χ^2/NDF:12.1/10

+ sign 0.013+/-0.015 χ^2/NDF: 33.9/27

All: 0.008+/-0.010 χ^2/NDF: 64.1/57

- 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: 48.941+/-0.013 χ^2/NDF:2621689.4/11

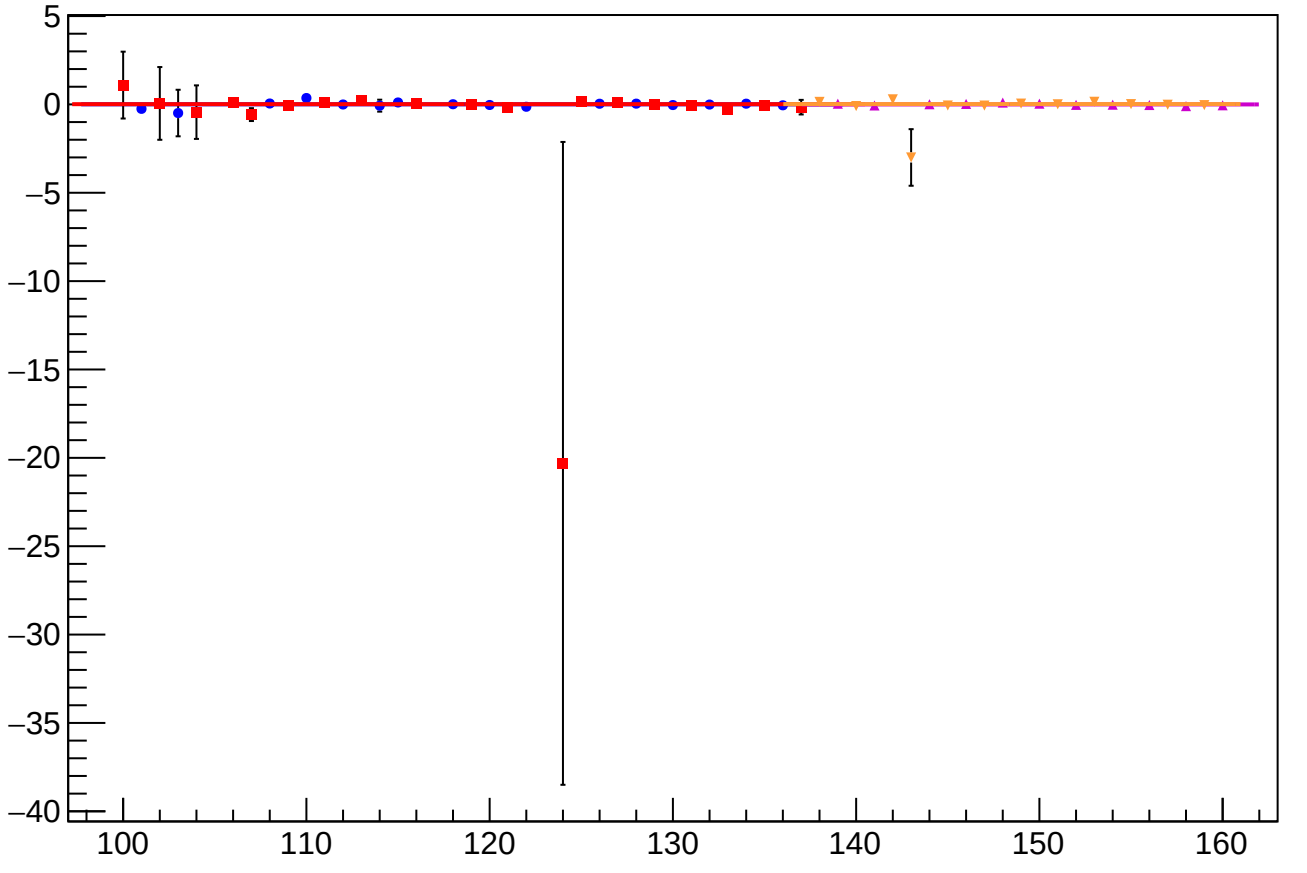
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.745+/-0.012 χ^2/NDF:1329237.2/10

+ sign 52.496+/-0.011 χ^2/NDF: 5384817.9/27

All: 50.203+/-0.007 χ^2/NDF: 10471877.1/57

- 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: 0.018+/-0.019 χ^2/NDF:22.4/11

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

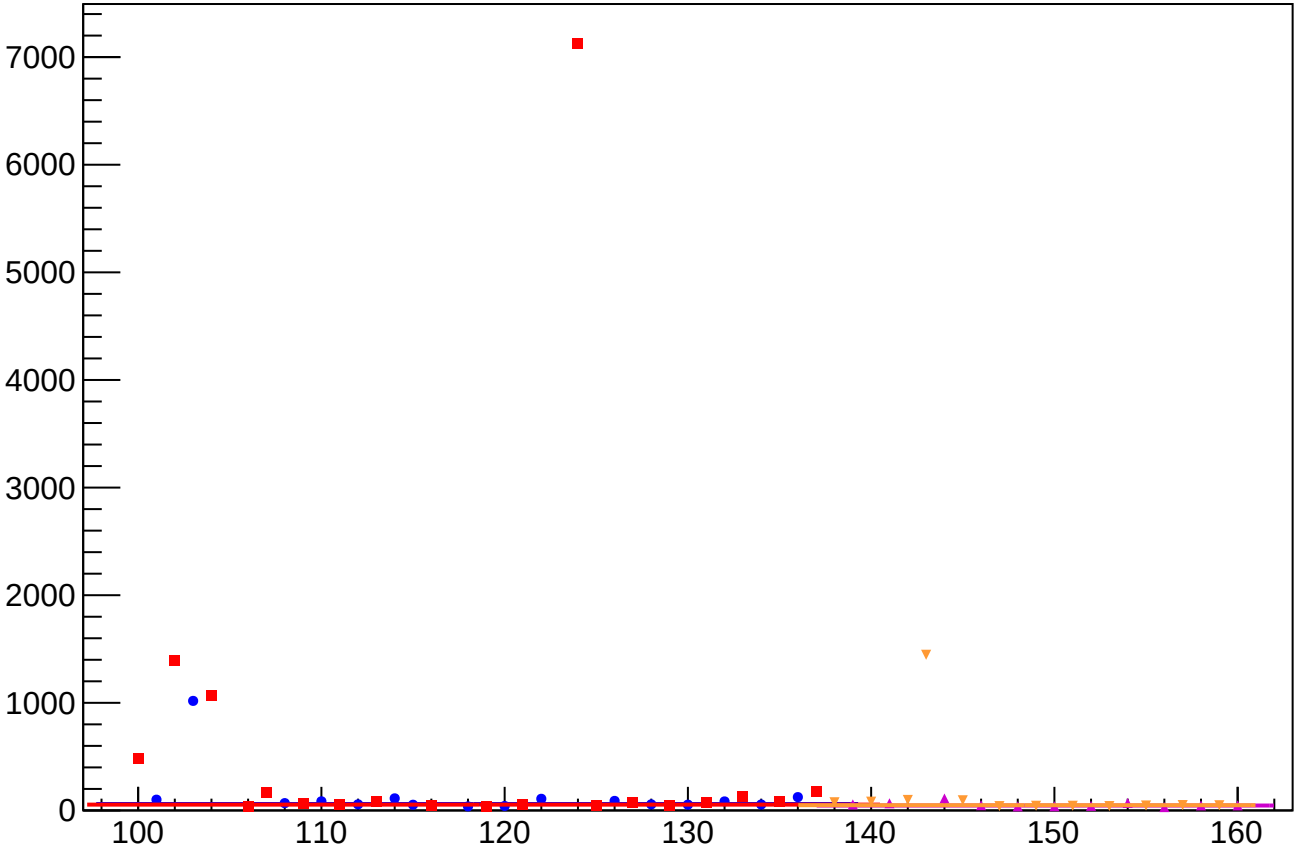
Left In: -0.001+/-0.017 χ^2/NDF:12.1/10

+ sign 0.013+/-0.015 χ^2/NDF: 33.9/27

All: 0.008+/-0.010 χ^2/NDF: 64.1/57

- 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: 48.941+/-0.013 χ^2/NDF:2621689.4/11

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

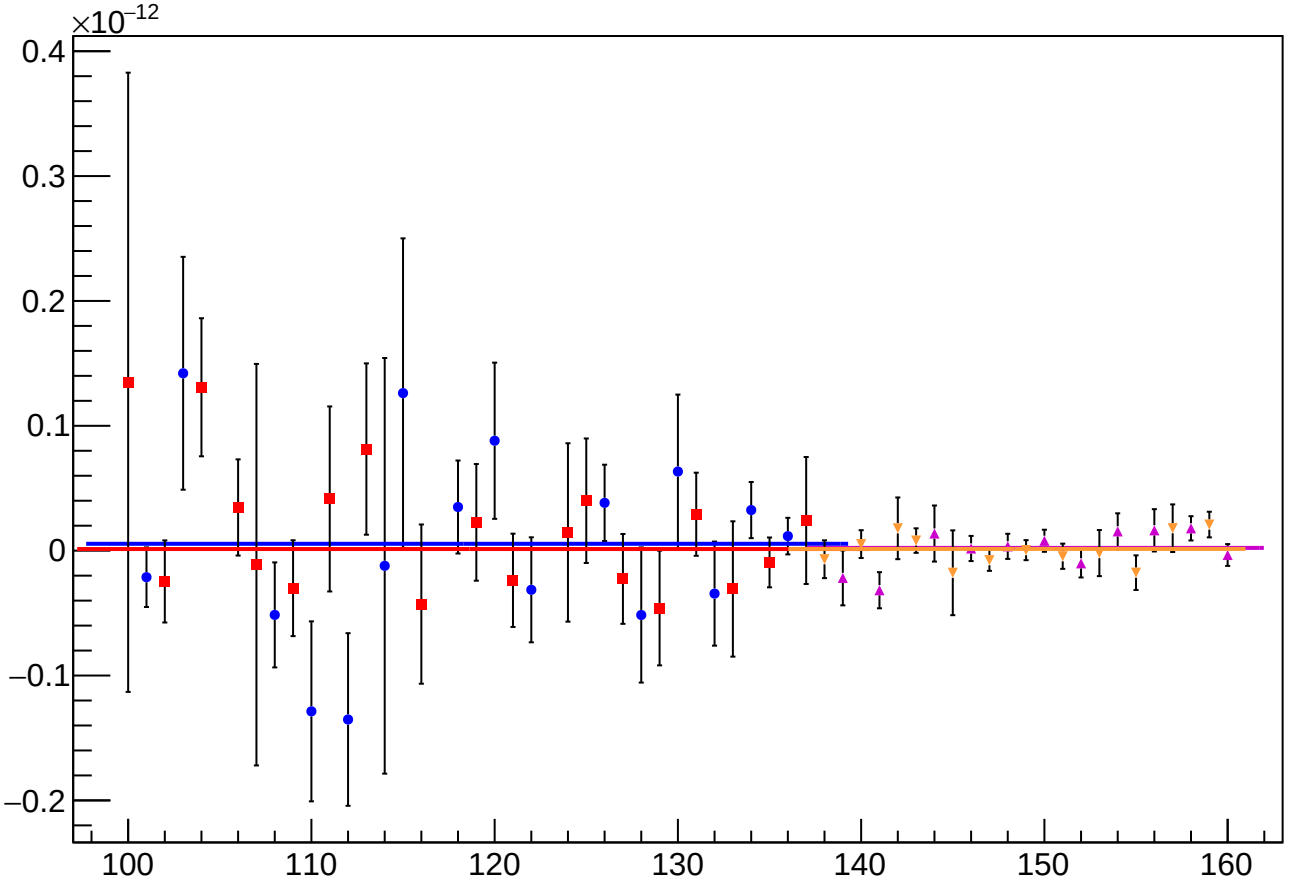
Left In: 45.745+/-0.012 χ^2/NDF:1329237.2/10

+ sign 52.496+/-0.011 χ^2/NDF: 5384817.9/27

All: 50.203+/-0.007 χ^2/NDF: 10471877.1/57

- 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:9.4/11

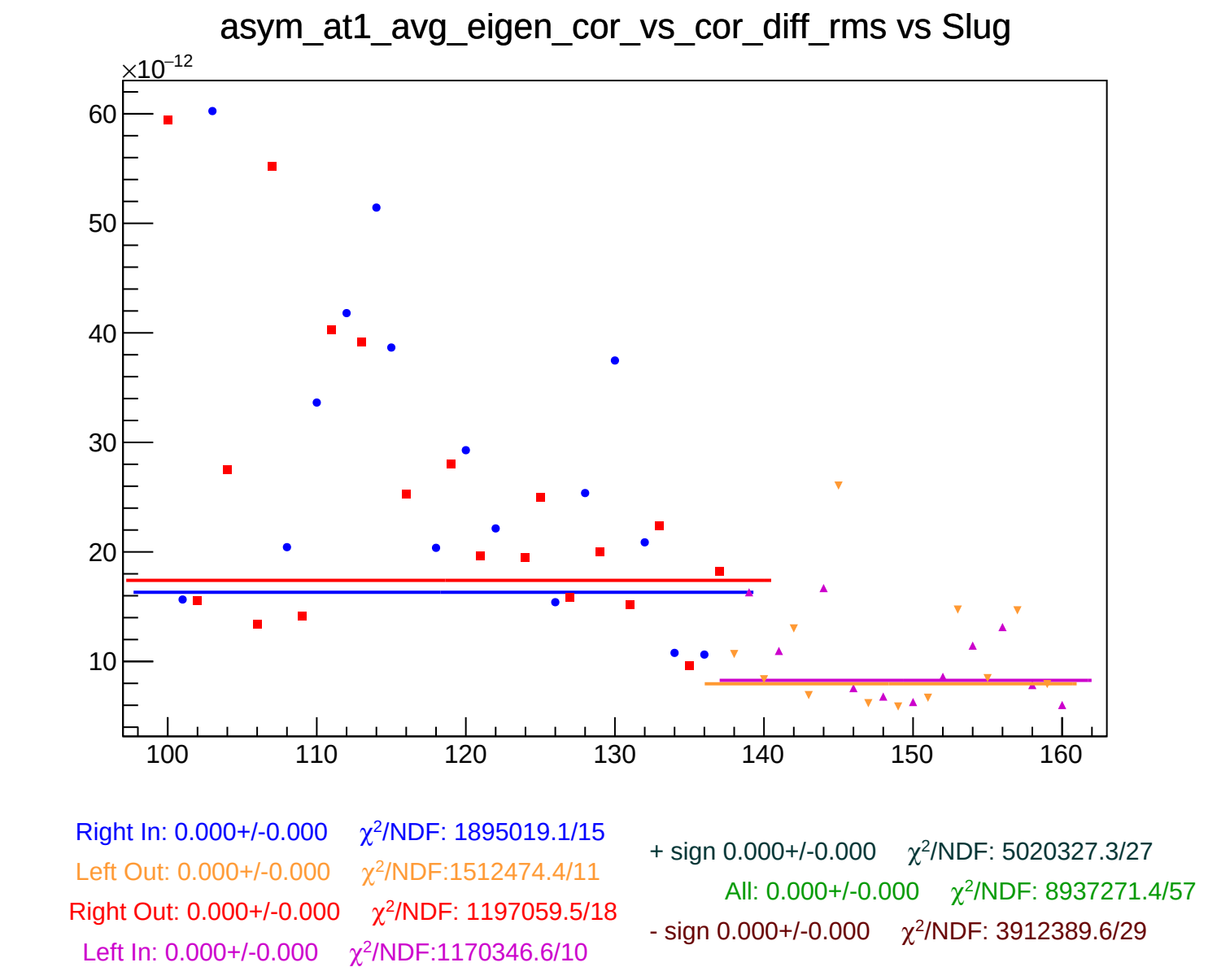
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/10

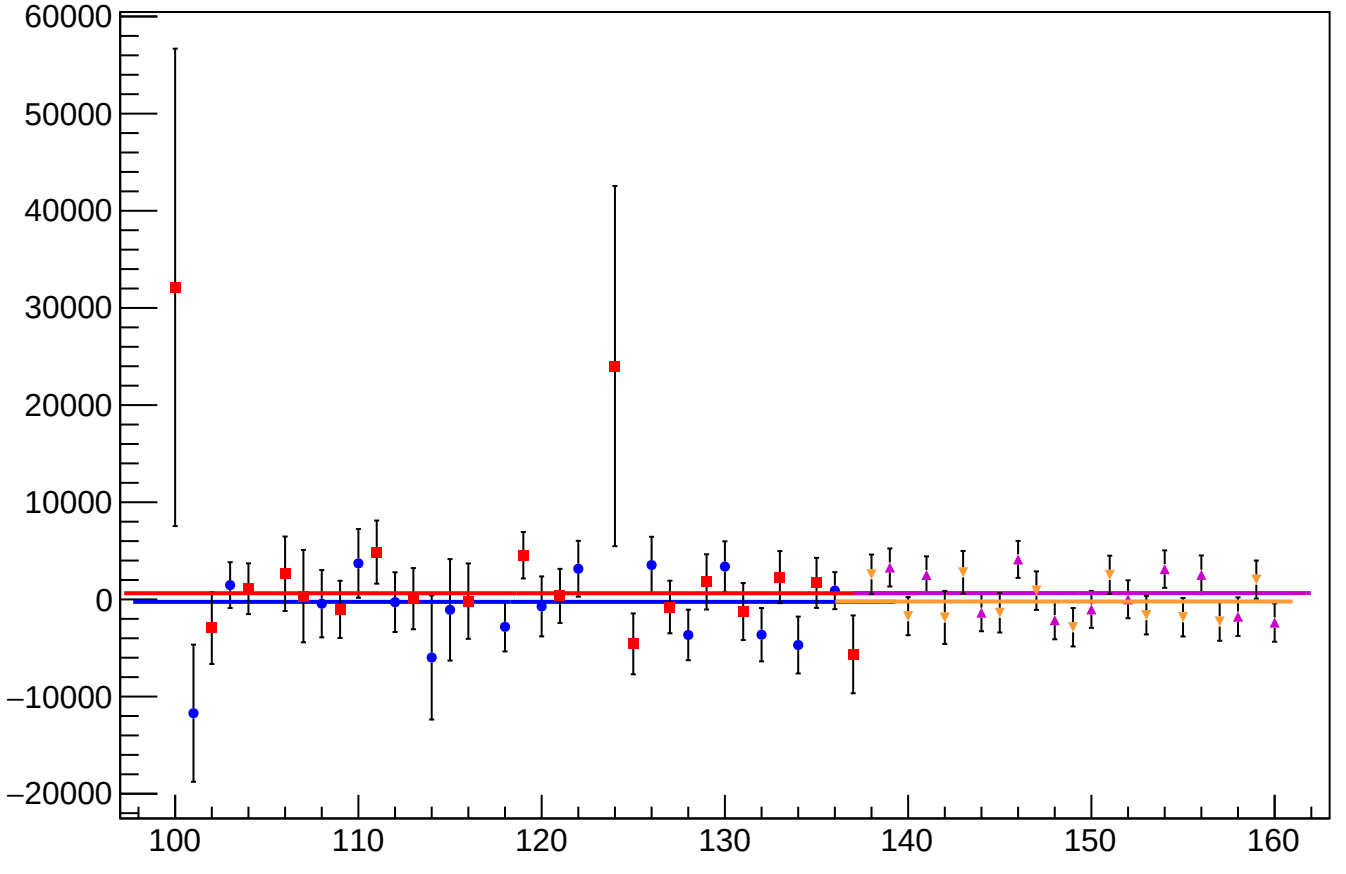
+ sign 0.000+/-0.000 χ^2/NDF: 32.2/27

All: 0.000+/-0.000 χ^2/NDF: 59.6/57

- 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:1512474.4/11
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: 5020327.3/27
All: 0.000+/-0.000 χ²/NDF: 8937271.4/57
- 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: -214.559+/-589.839 χ^2/NDF:12.6/11

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

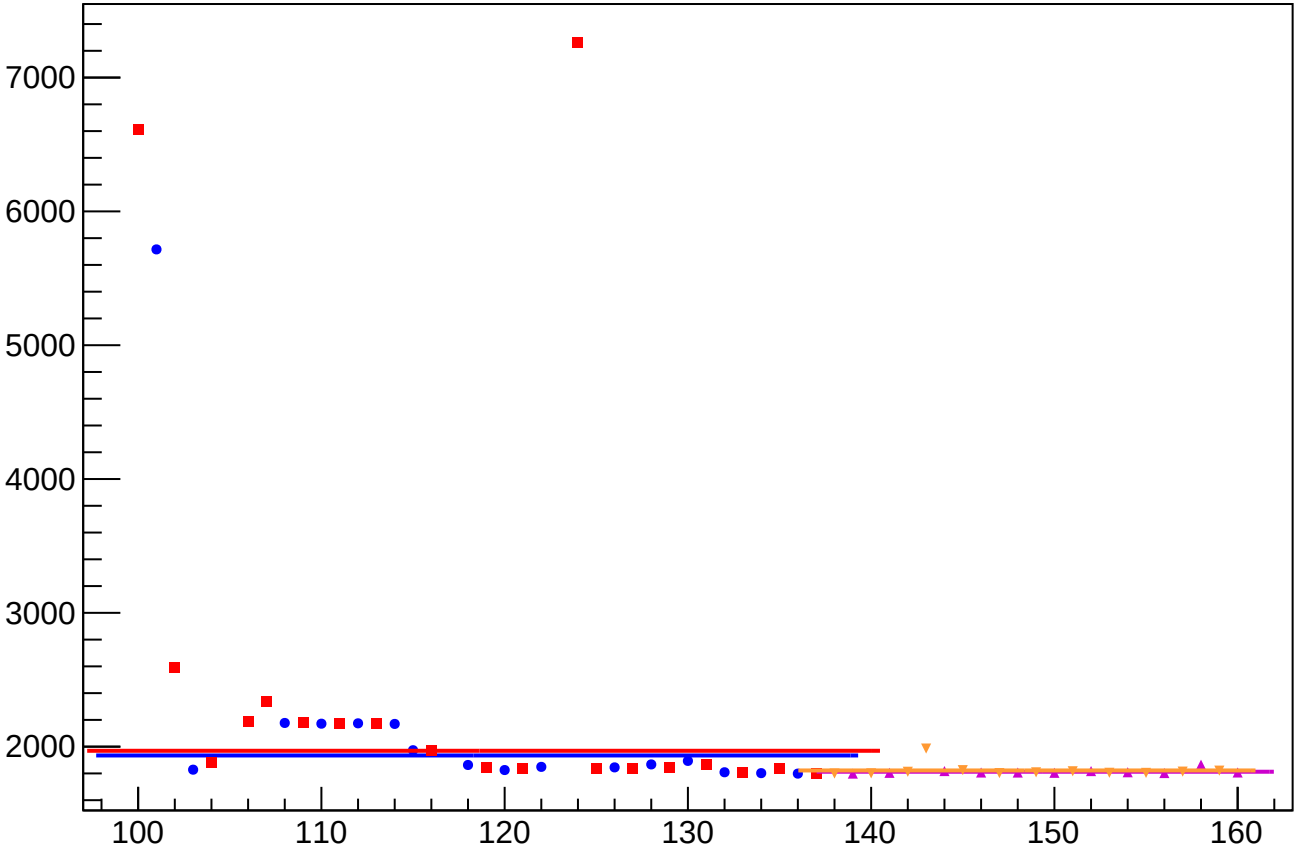
Left In: 654.706+/-586.273 χ^2/NDF:16.4/10

\+ sign -228.948+/-460.052 χ^2/NDF: 29.9/27

All: 210.797+/-324.735 χ^2/NDF: 64.1/57

\- 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: 1822.191+/-0.417 χ^2/NDF:12299.3/11

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

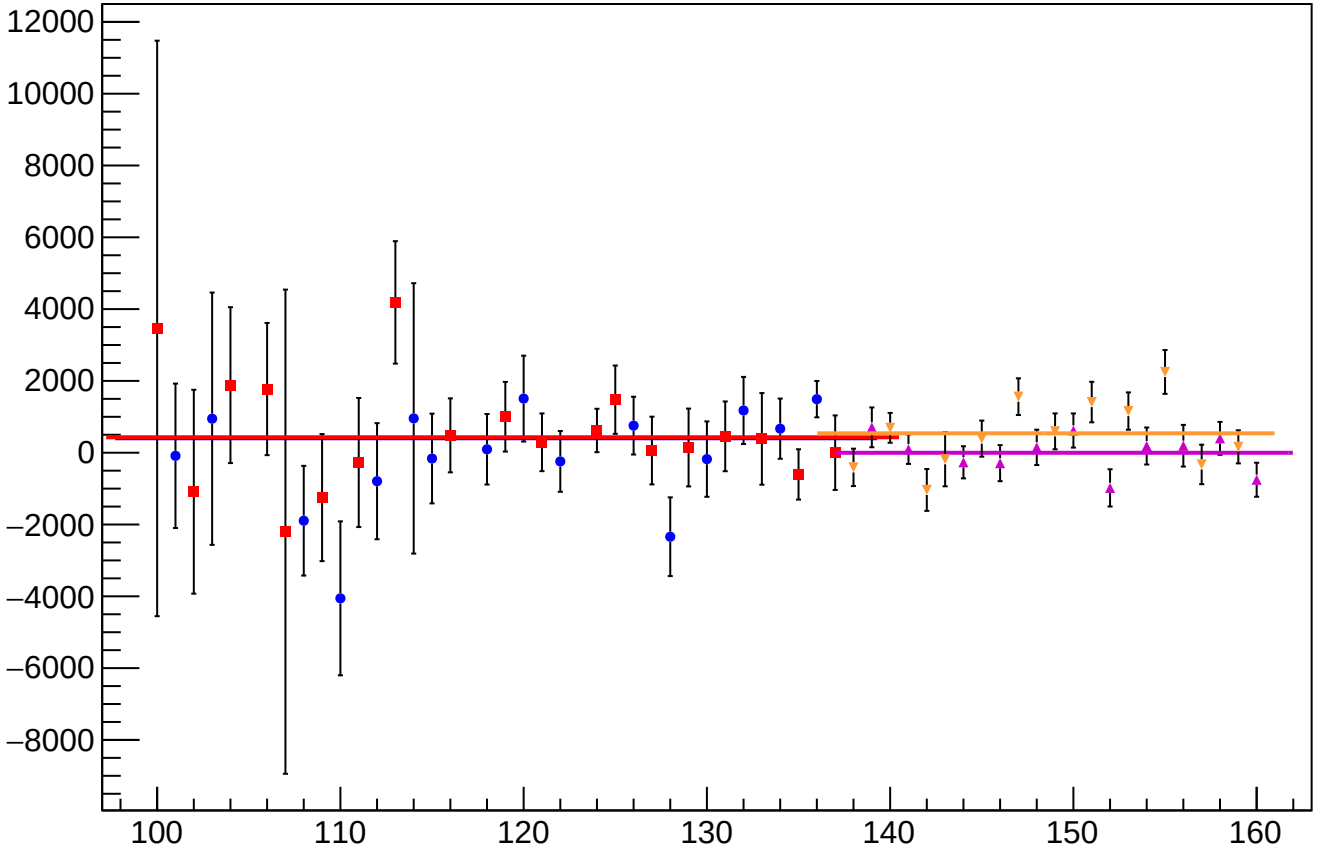
Left In: 1812.630+/-0.415 χ^2/NDF:1718.4/10

+ sign 1866.067+/-0.325 χ^2/NDF: 680474.9/27

All: 1869.779+/-0.230 χ^2/NDF: 1116255.9/57

- 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: 540.097+/-151.630 χ^2/NDF:30.6/11

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

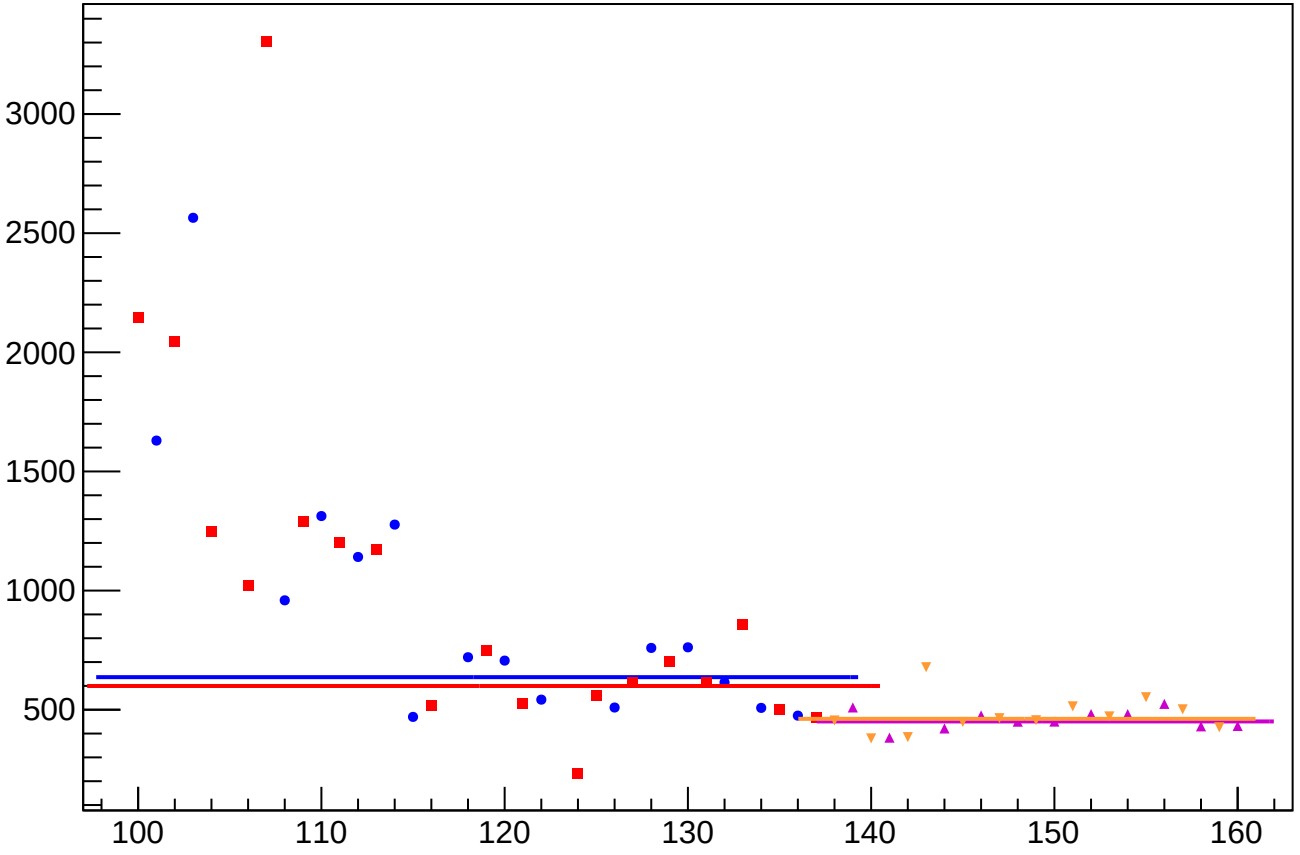
Left In: -1.542+/-146.878 χ^2/NDF:11.2/10

+ sign 504.920+/-130.799 χ^2/NDF: 51.9/27

All: 300.290+/-91.117 χ^2/NDF: 81.8/57

- 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: 461.759+/-0.107 χ^2/NDF:363791.3/11

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

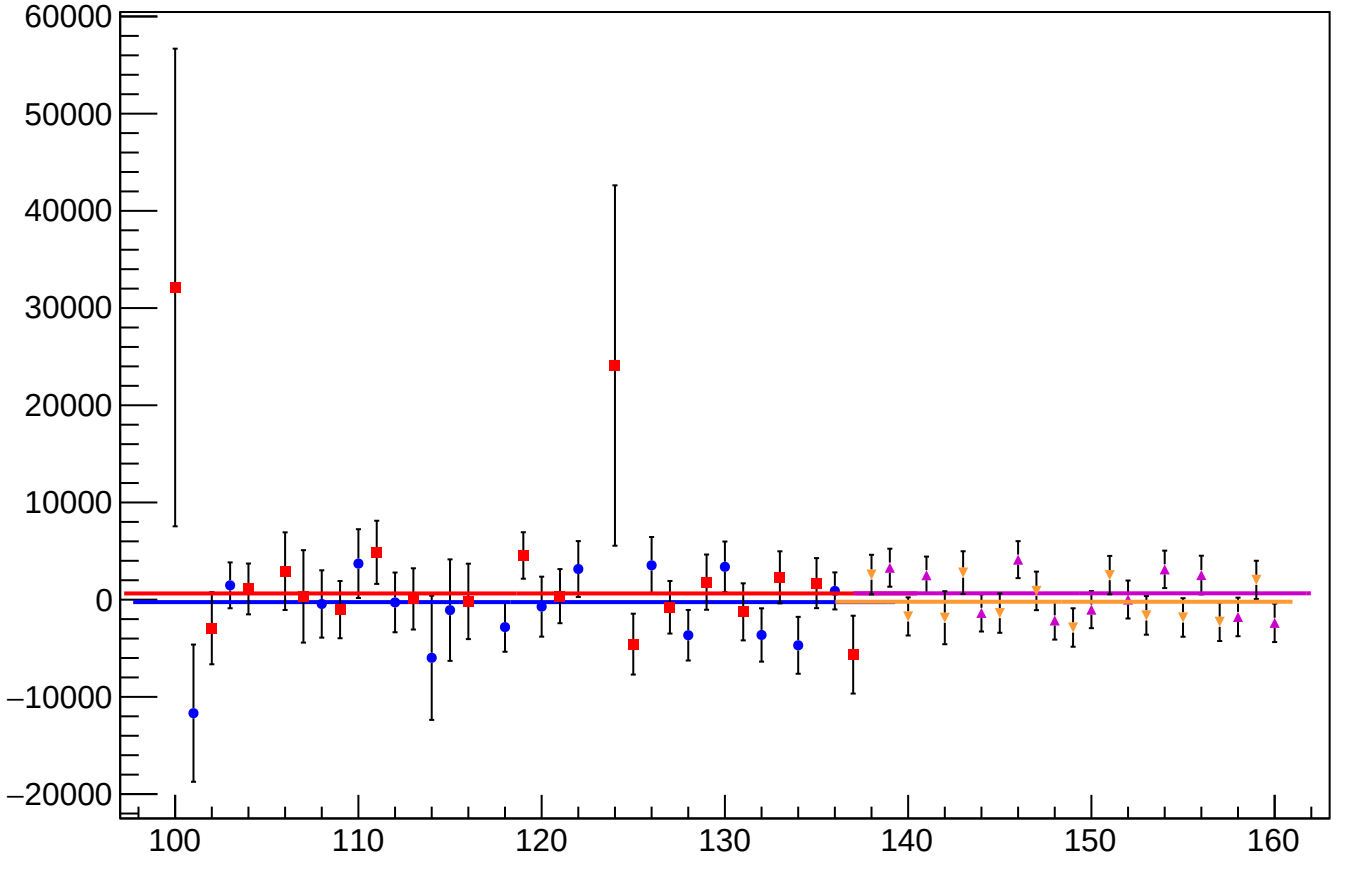
Left In: 450.823+/-0.104 χ^2/NDF:145081.8/10

+ sign 506.523+/-0.092 χ^2/NDF: 3111900.0/27

All: 497.181+/-0.064 χ^2/NDF: 6738929.4/57

- 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: -214.634+/-589.839 χ^2/NDF:12.6/11

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

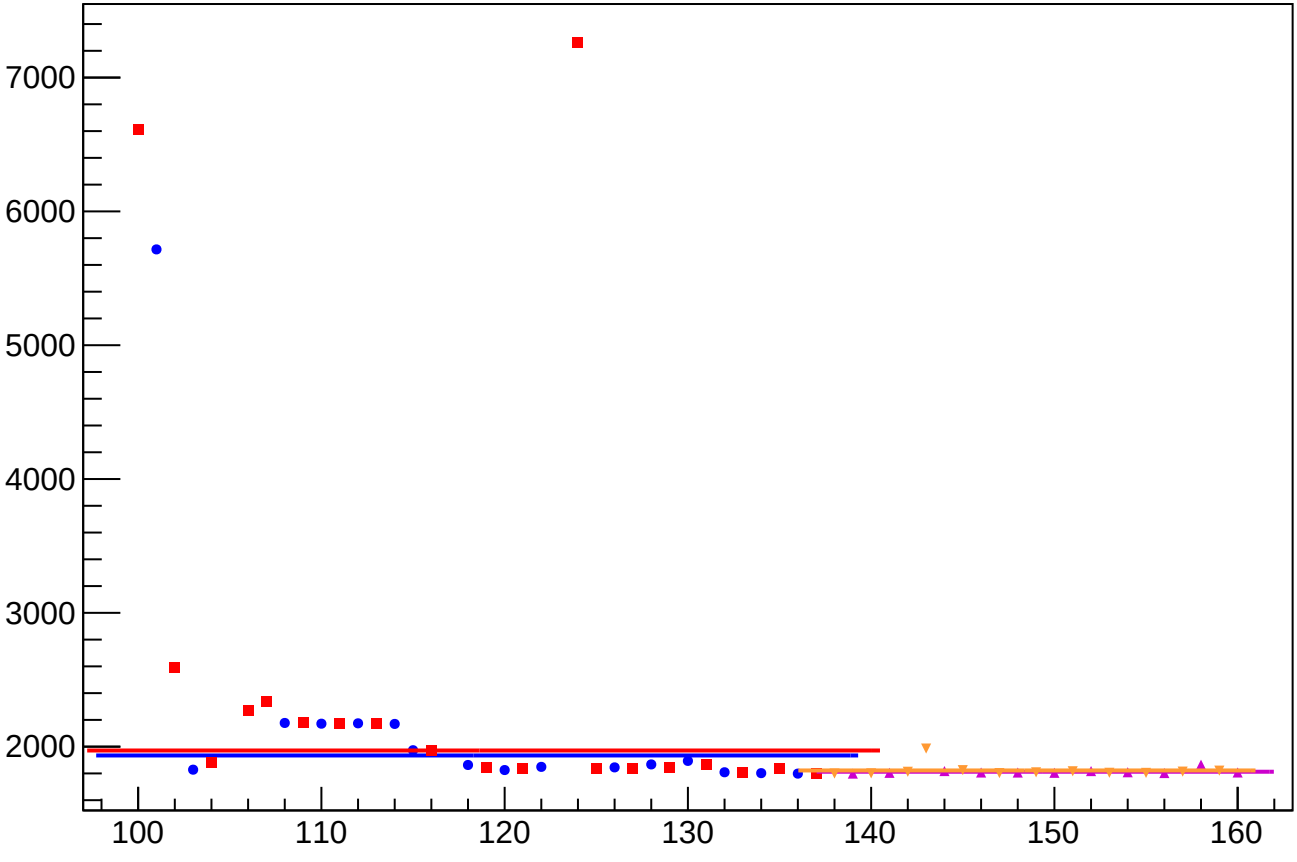
Left In: 654.638+/-586.273 χ^2/NDF:16.4/10

+ sign -228.676+/-460.052 χ^2/NDF: 29.9/27

All: 211.600+/-324.828 χ^2/NDF: 64.1/57

- 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: 1822.191+/-0.417 χ^2/NDF:12299.3/11

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

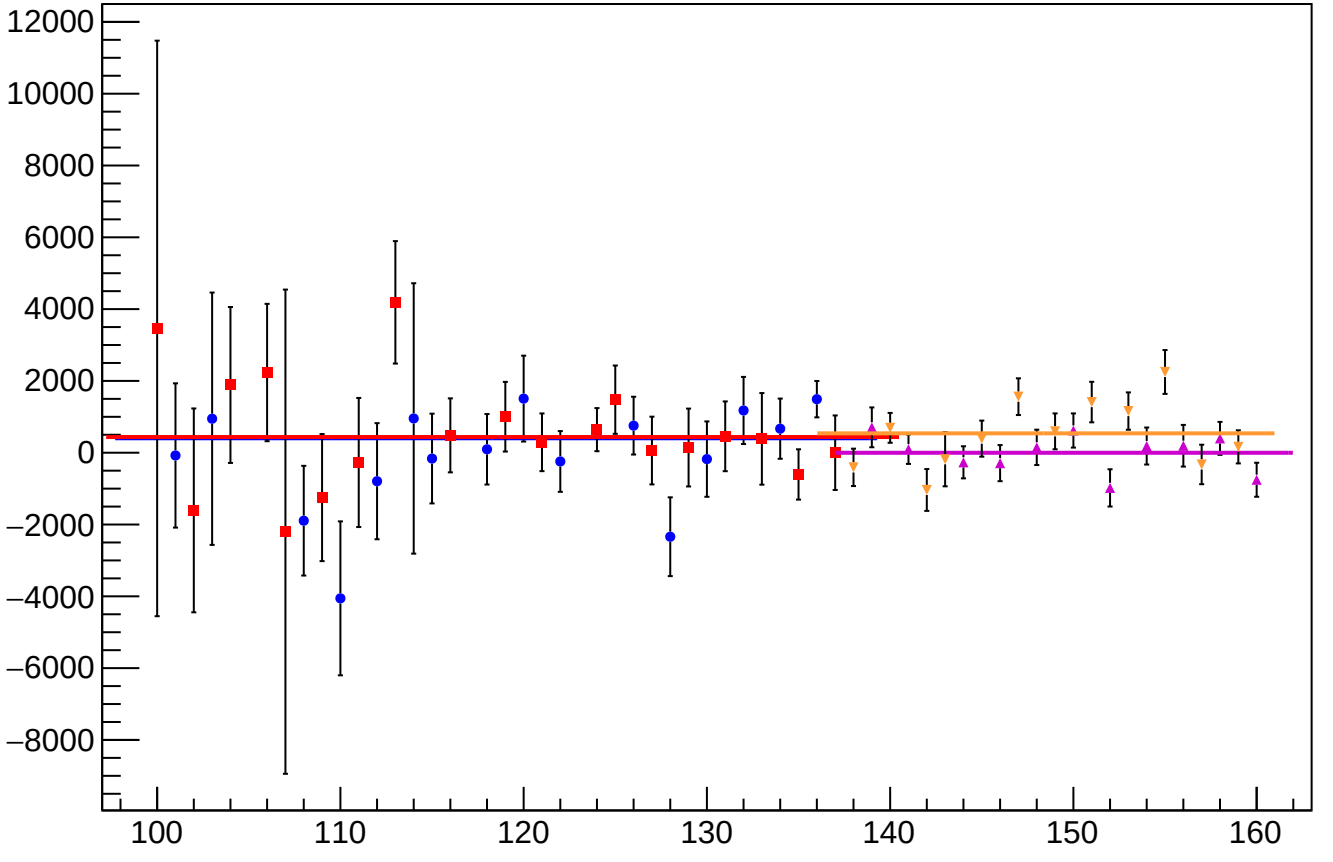
Left In: 1812.630+/-0.415 χ^2/NDF:1718.4/10

+ sign 1866.067+/-0.325 χ^2/NDF: 680474.8/27

All: 1870.141+/-0.230 χ^2/NDF: 1122540.1/57

- 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: 539.988+/-151.630 χ^2/NDF:30.6/11

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

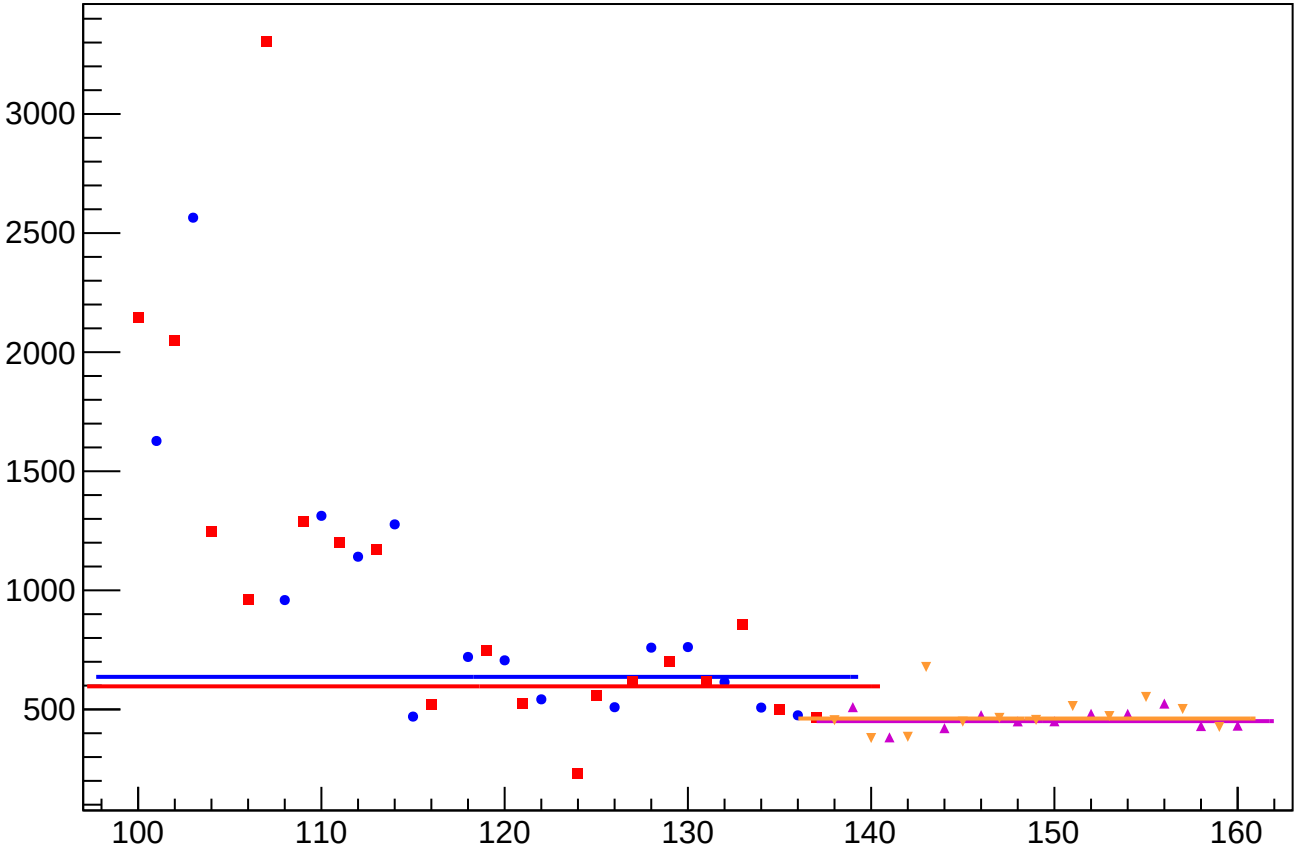
Left In: -1.571+/-146.877 χ^2/NDF:11.2/10

+ sign 504.856+/-130.798 χ^2/NDF: 51.9/27

All: 301.128+/-91.109 χ^2/NDF: 82.5/57

- 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: 461.762+/-0.107 χ^2/NDF:363739.1/11

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

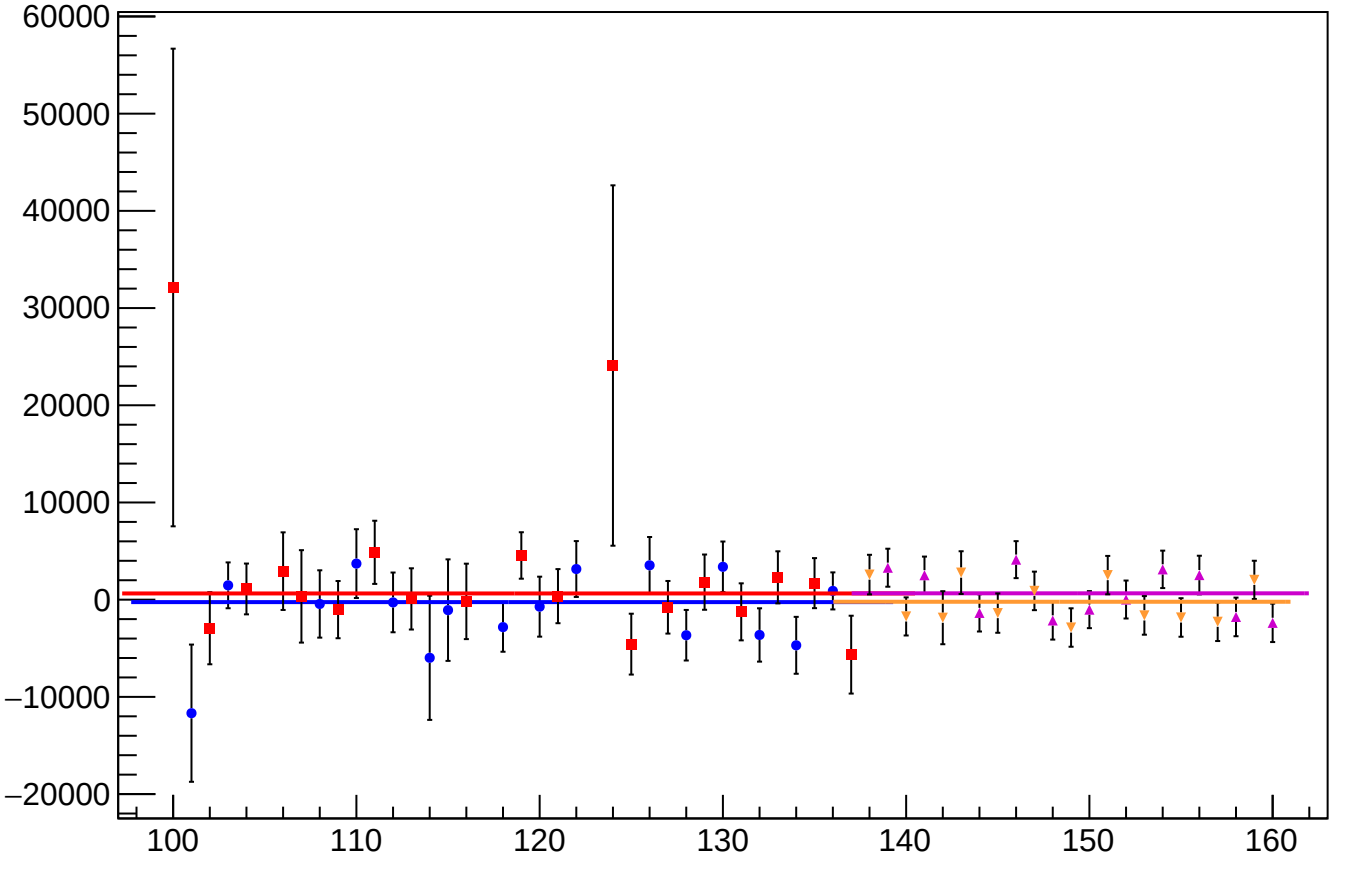
Left In: 450.819+/-0.104 χ^2/NDF:145088.6/10

+ sign 506.528+/-0.092 χ^2/NDF: 3110981.5/27

All: 496.837+/-0.064 χ^2/NDF: 6707240.9/57

- 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: -214.634+/-589.839 χ^2/NDF:12.6/11

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

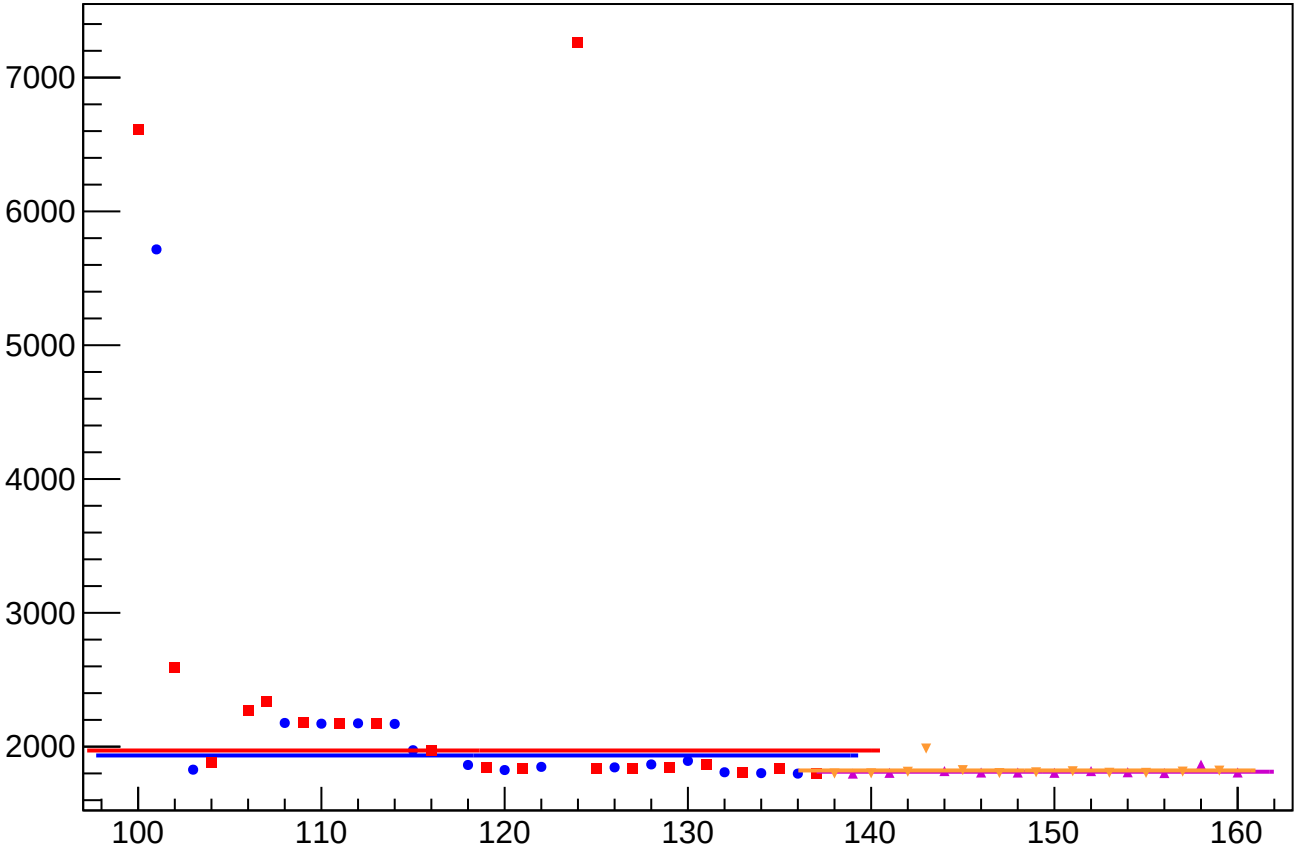
Left In: 654.638+/-586.273 χ^2/NDF:16.4/10

+ sign -228.676+/-460.052 χ^2/NDF: 29.9/27

All: 211.600+/-324.828 χ^2/NDF: 64.1/57

- 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: 1822.191+/-0.417 χ^2/NDF:12299.3/11

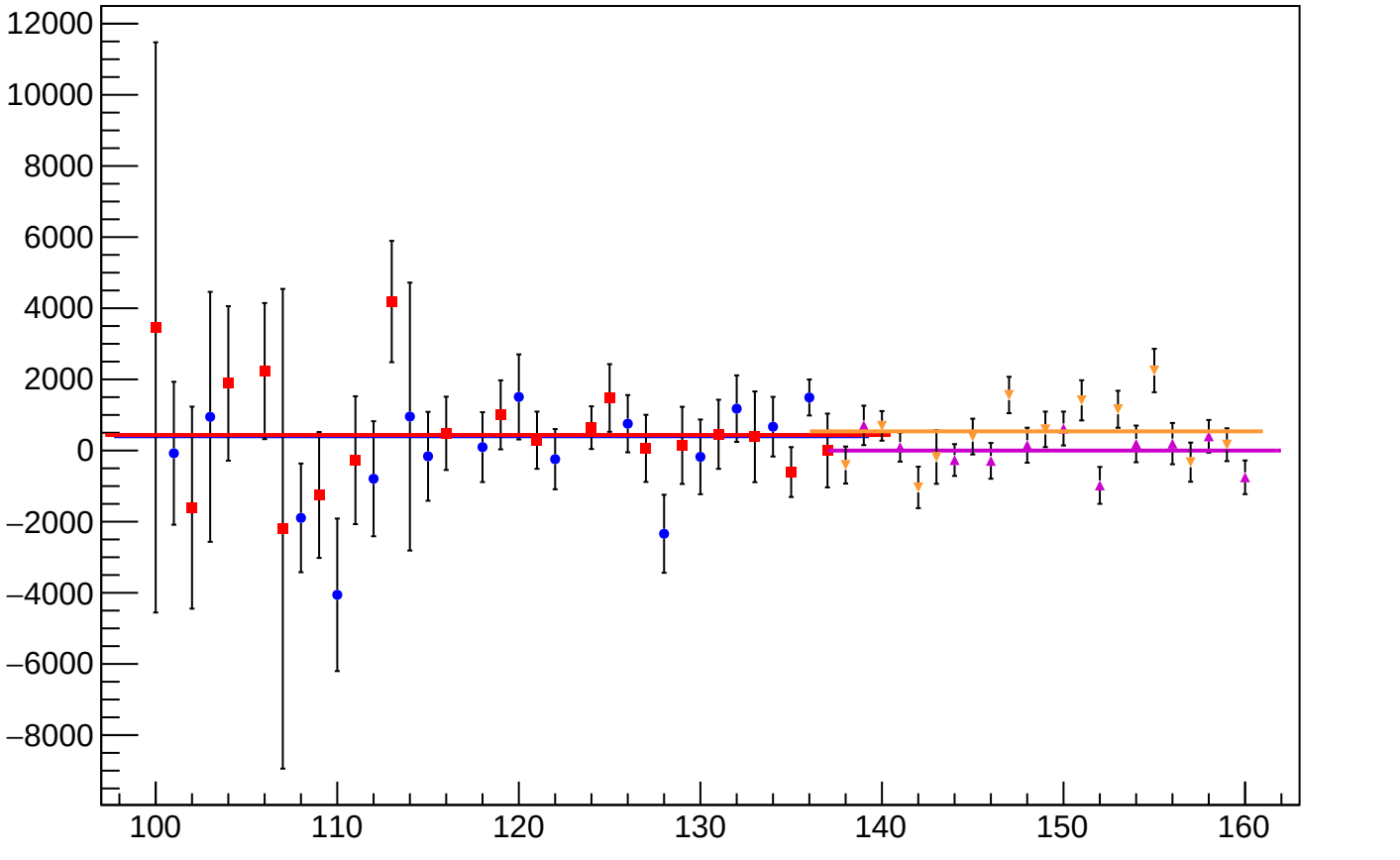
Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1812.630+/-0.415 χ^2/NDF:1718.4/10

+ sign 1866.067+/-0.325 χ^2/NDF: 680474.8/27

All: 1870.141+/-0.230 χ^2/NDF: 1122540.1/57

- 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: 539.988+/-151.630 χ^2/NDF:30.6/11

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

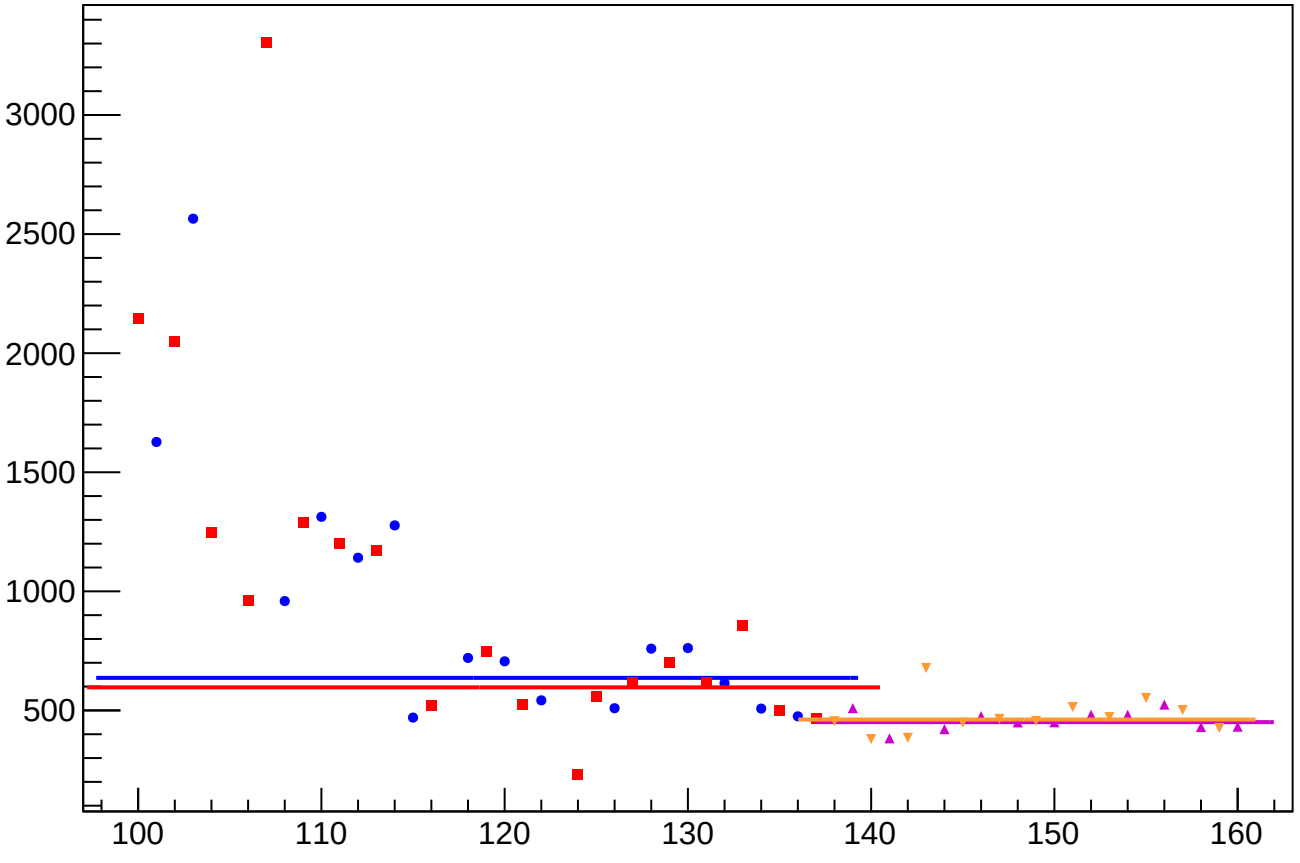
Left In: -1.571+/-146.877 χ^2/NDF:11.2/10

+ sign 504.856+/-130.798 χ^2/NDF: 51.9/27

All: 301.128+/-91.109 χ^2/NDF: 82.5/57

- 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: 461.762+/-0.107 χ^2/NDF:363739.1/11

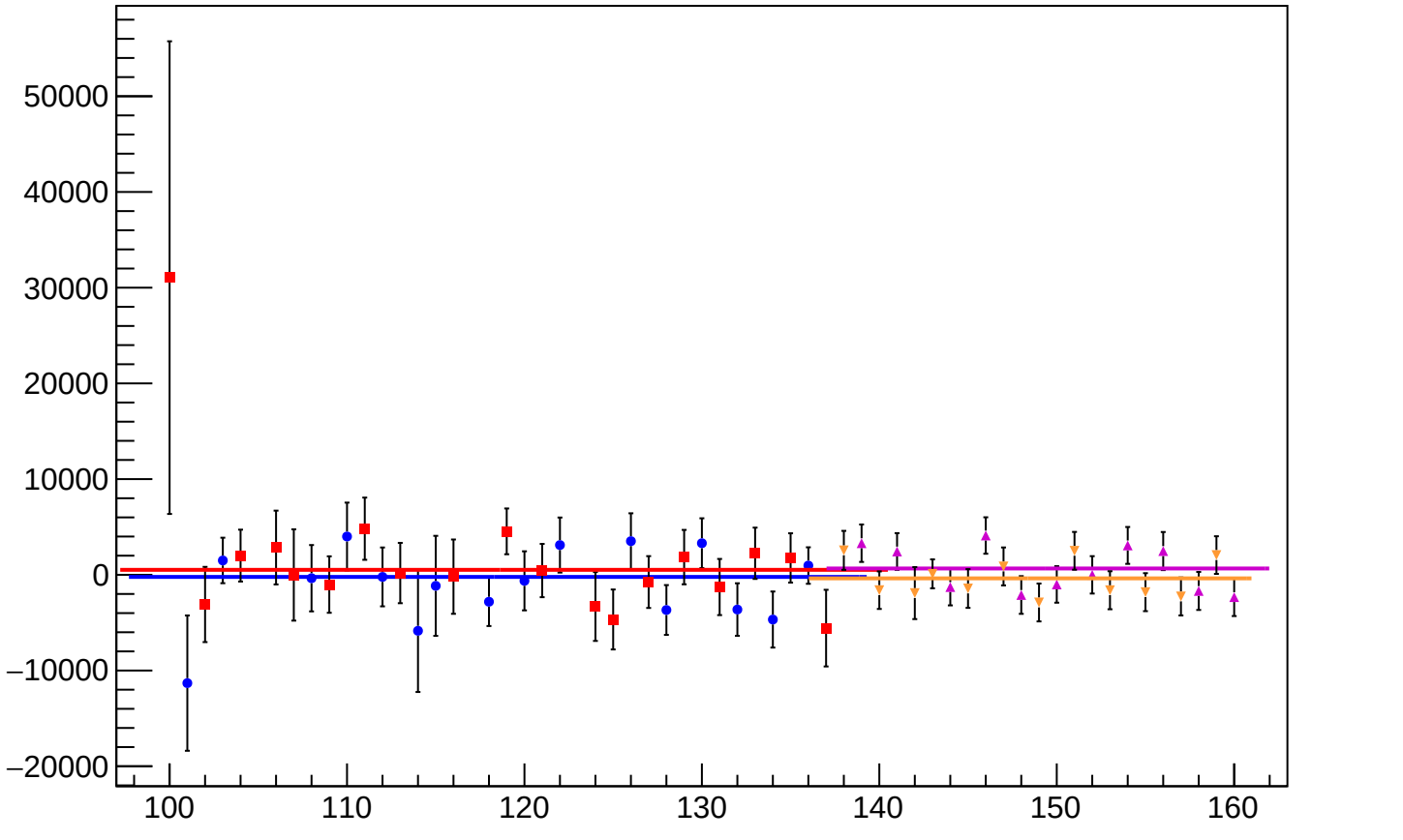
Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 450.819+/-0.104 χ^2/NDF:145088.6/10

+ sign 506.528+/-0.092 χ^2/NDF: 3110981.5/27

All: 496.837+/-0.064 χ^2/NDF: 6707240.9/57

- sign 487.704+/-0.090 χ^2/NDF: 3574934.3/29



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -369.376+/-567.462 χ^2/NDF:10.6/11

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

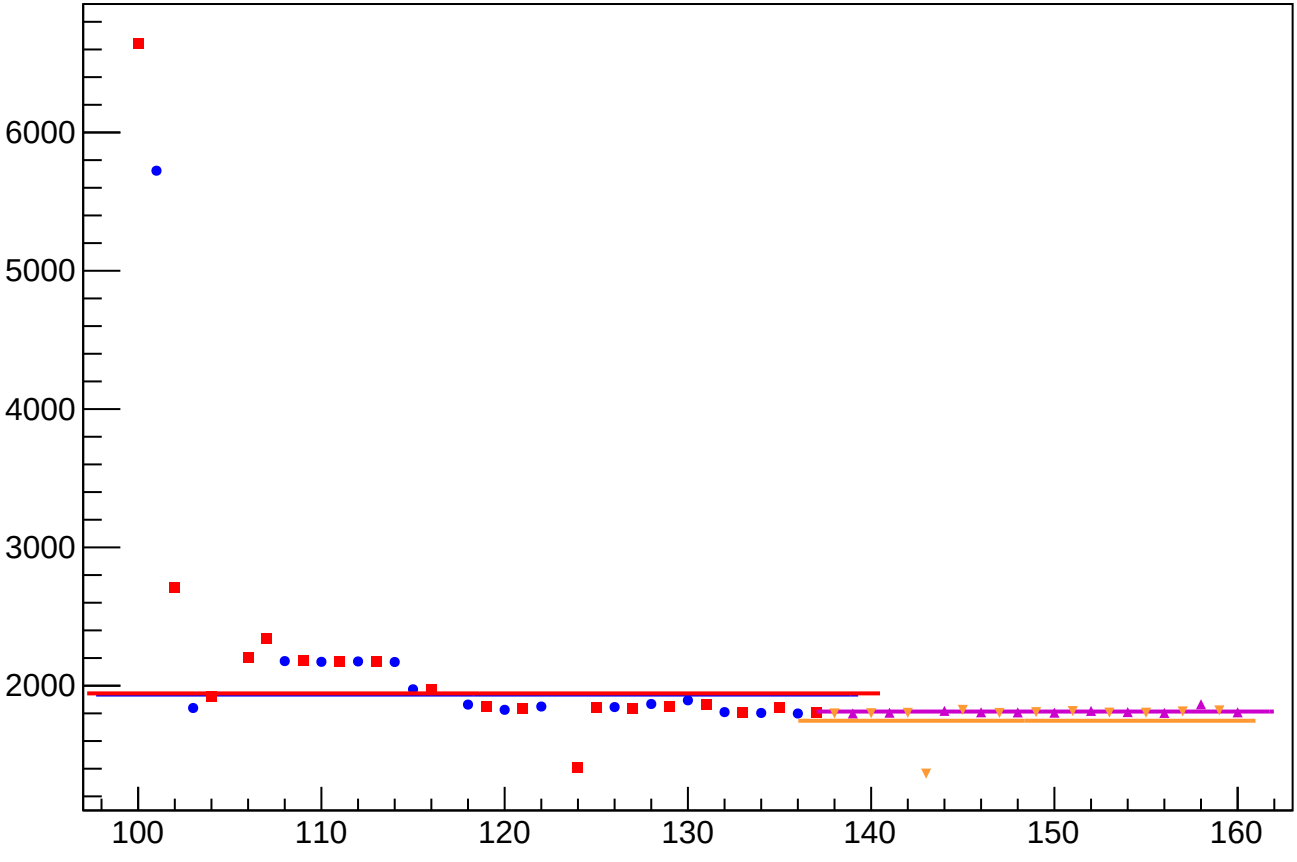
Left In: 661.483+/-586.466 χ^2/NDF:15.9/10

+ sign -313.821+/-449.372 χ^2/NDF: 27.8/27

All: 139.214+/-320.057 χ^2/NDF: 61.4/57

- 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: 1746.688+/-0.401 χ^2/NDF:149782.9/11

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

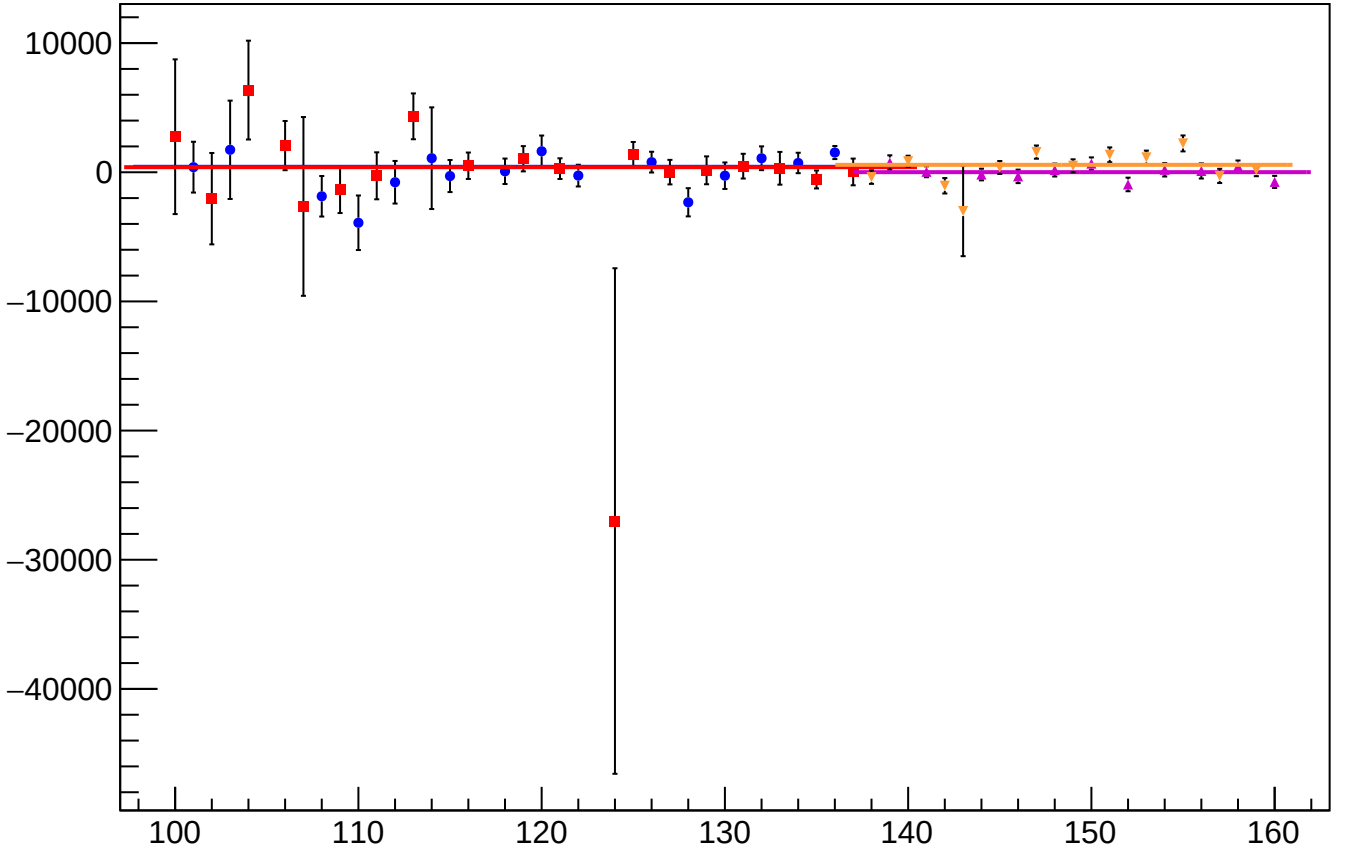
Left In: 1813.229+/-0.415 χ^2/NDF:1714.1/10

+ sign 1817.272+/-0.318 χ^2/NDF: 872573.2/27

All: 1840.863+/-0.226 χ^2/NDF: 1201329.6/57

- 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: 574.609+/-156.538 χ^2/NDF:29.5/11

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

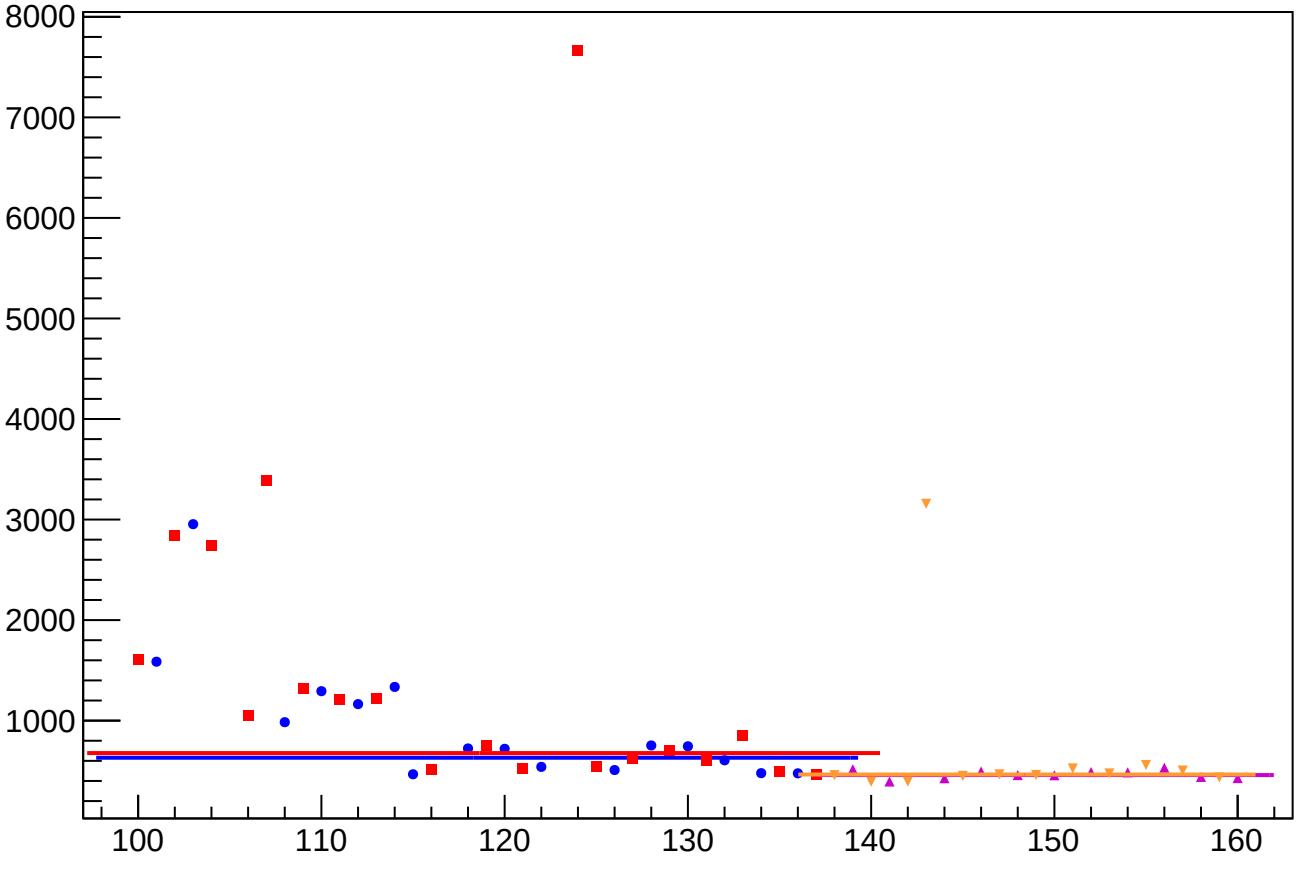
Left In: 7.789+/-149.239 χ^2/NDF:11.1/10

+ sign 533.022+/-133.656 χ^2/NDF: 51.2/27

All: 309.869+/-93.793 χ^2/NDF: 85.2/57

- 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: 464.274+/-0.111 χ^2/NDF:1361946.2/11

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

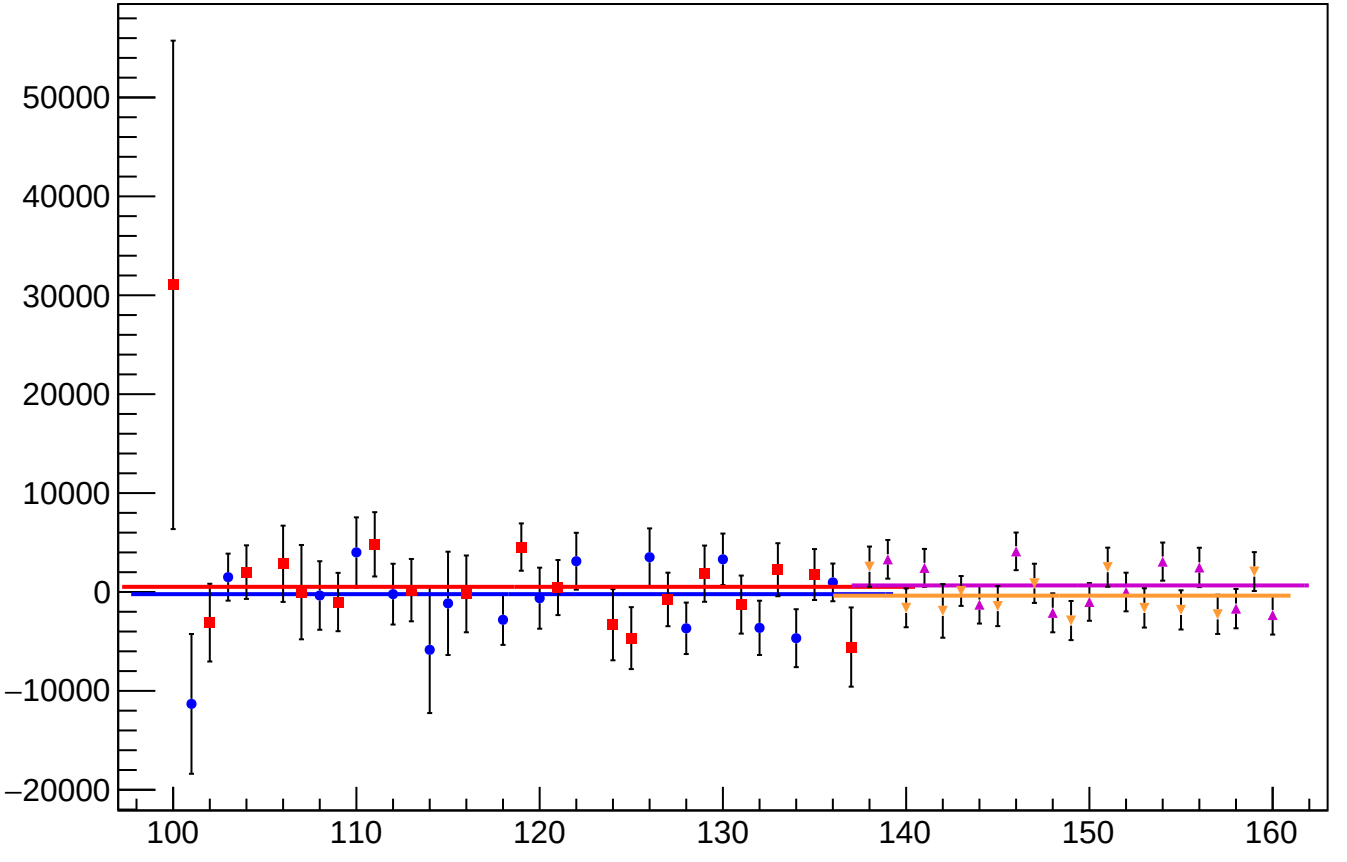
Left In: 458.567+/-0.106 χ^2/NDF:140531.6/10

+ sign 509.493+/-0.095 χ^2/NDF: 4212283.2/27

All: 508.282+/-0.066 χ^2/NDF: 8388713.7/57

- 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: -369.378+/-567.462 χ^2/NDF:10.6/11

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

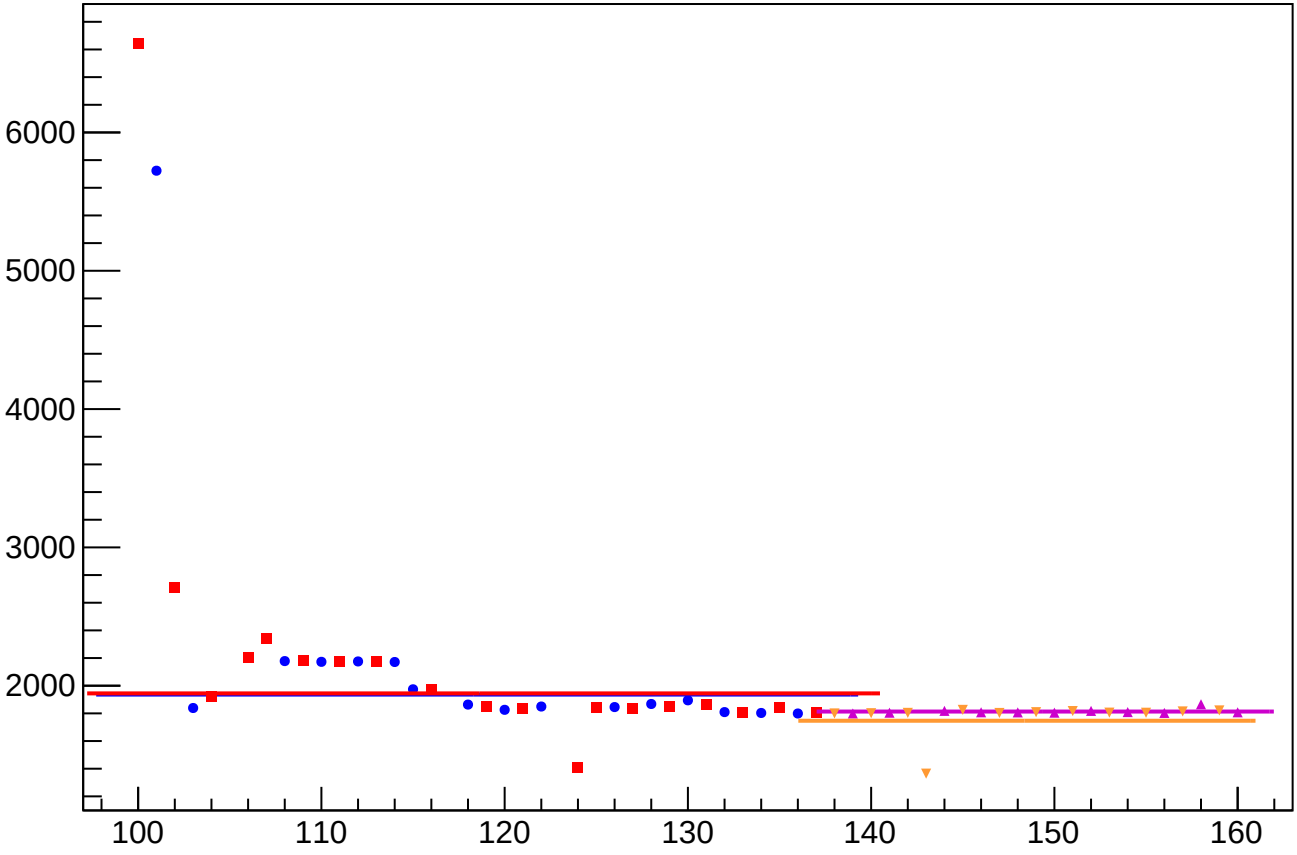
Left In: 661.482+/-586.466 χ^2/NDF:15.9/10

+ sign -313.822+/-449.372 χ^2/NDF: 27.8/27

All: 139.213+/-320.057 χ^2/NDF: 61.4/57

- 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: 1746.688+/-0.401 χ^2/NDF:149782.9/11

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

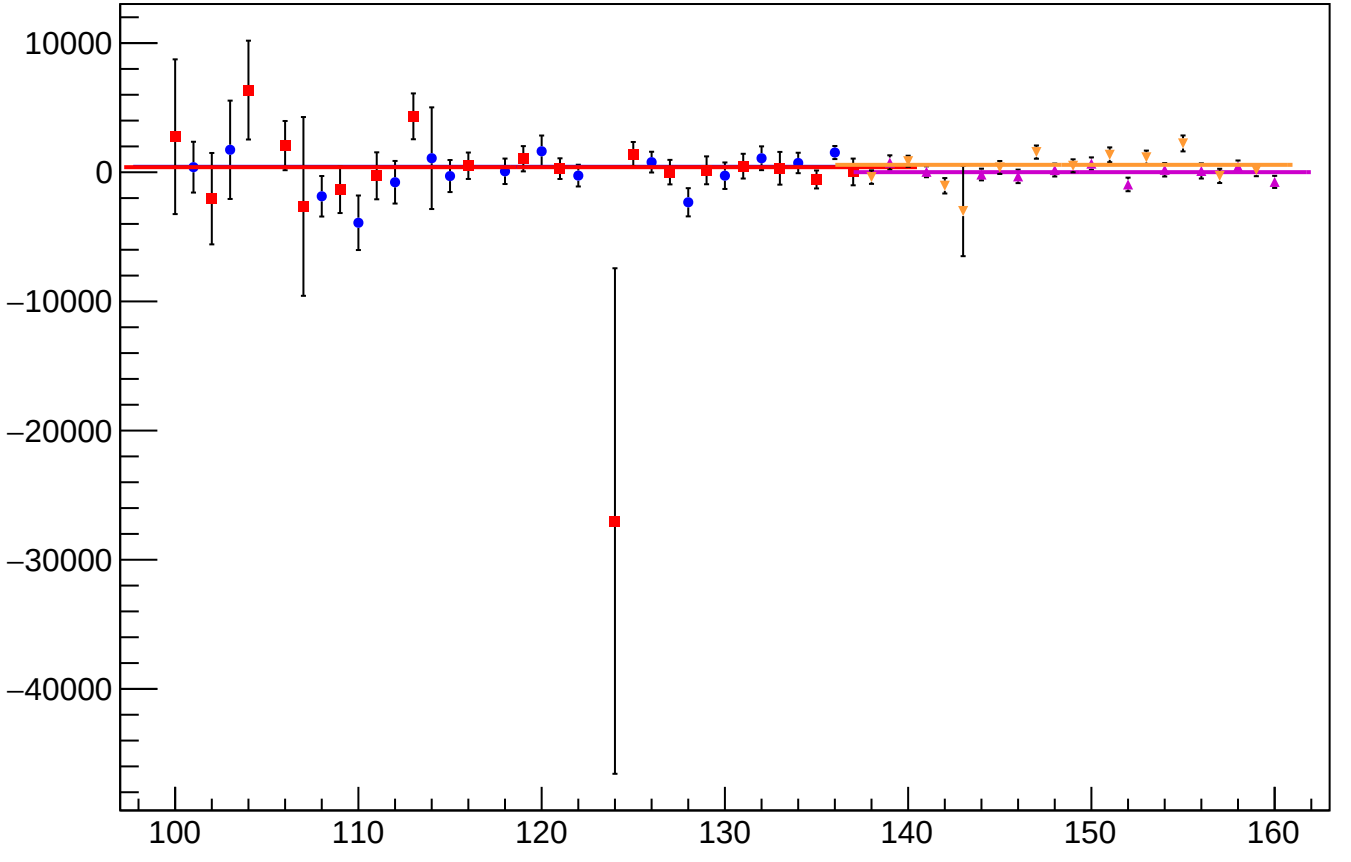
Left In: 1813.229+/-0.415 χ^2/NDF:1714.1/10

+ sign 1817.272+/-0.318 χ^2/NDF: 872573.2/27

All: 1840.863+/-0.226 χ^2/NDF: 1201329.3/57

- 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: 574.607+/-156.538 χ^2/NDF:29.5/11

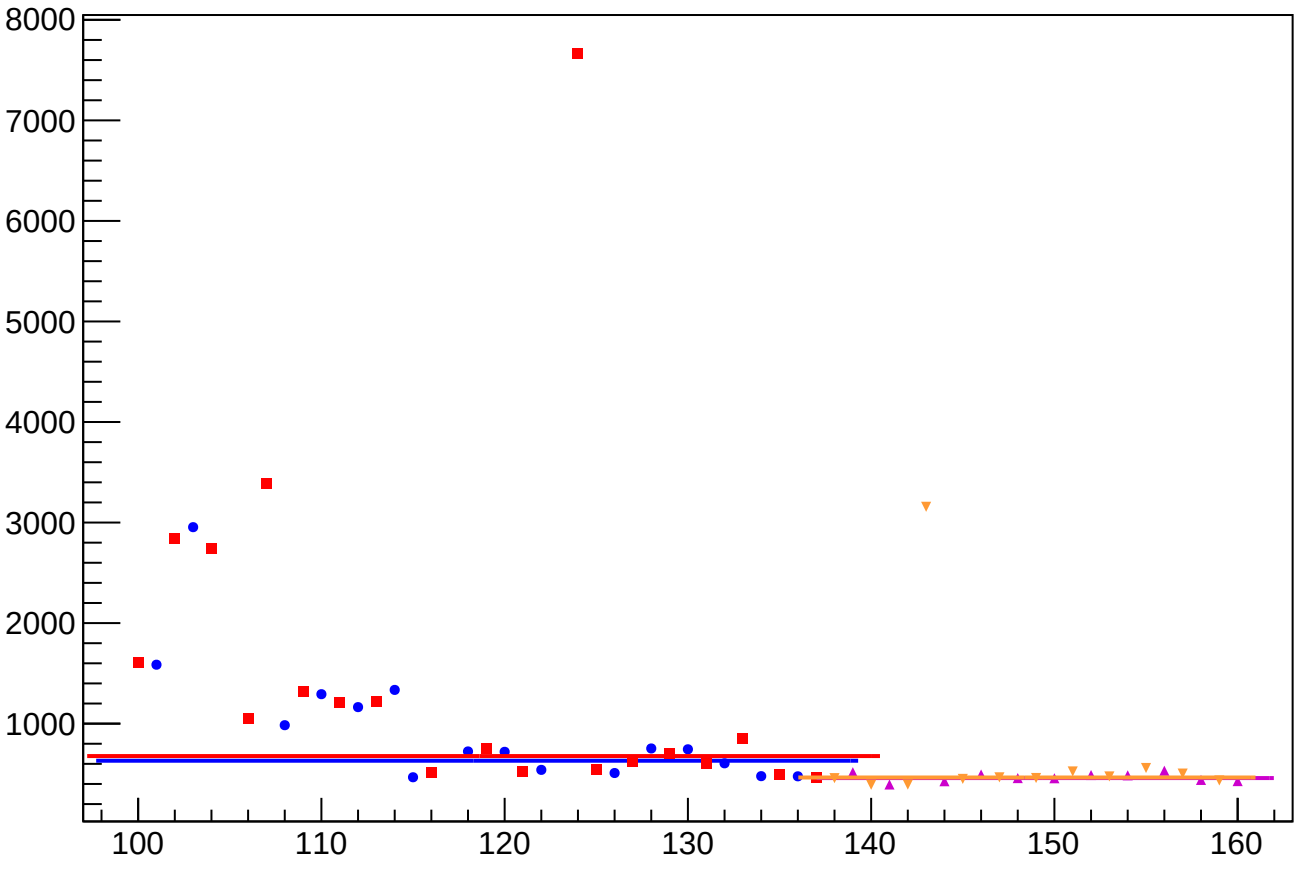
Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: 7.788+/-149.239 χ^2/NDF:11.1/10

+ sign 533.020+/-133.656 χ^2/NDF: 51.2/27

All: 309.868+/-93.793 χ^2/NDF: 85.2/57

- sign 93.349+/-131.654 χ^2/NDF: 28.5/29



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 464.273+/-0.111 χ^2/NDF:1361949.4/11

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

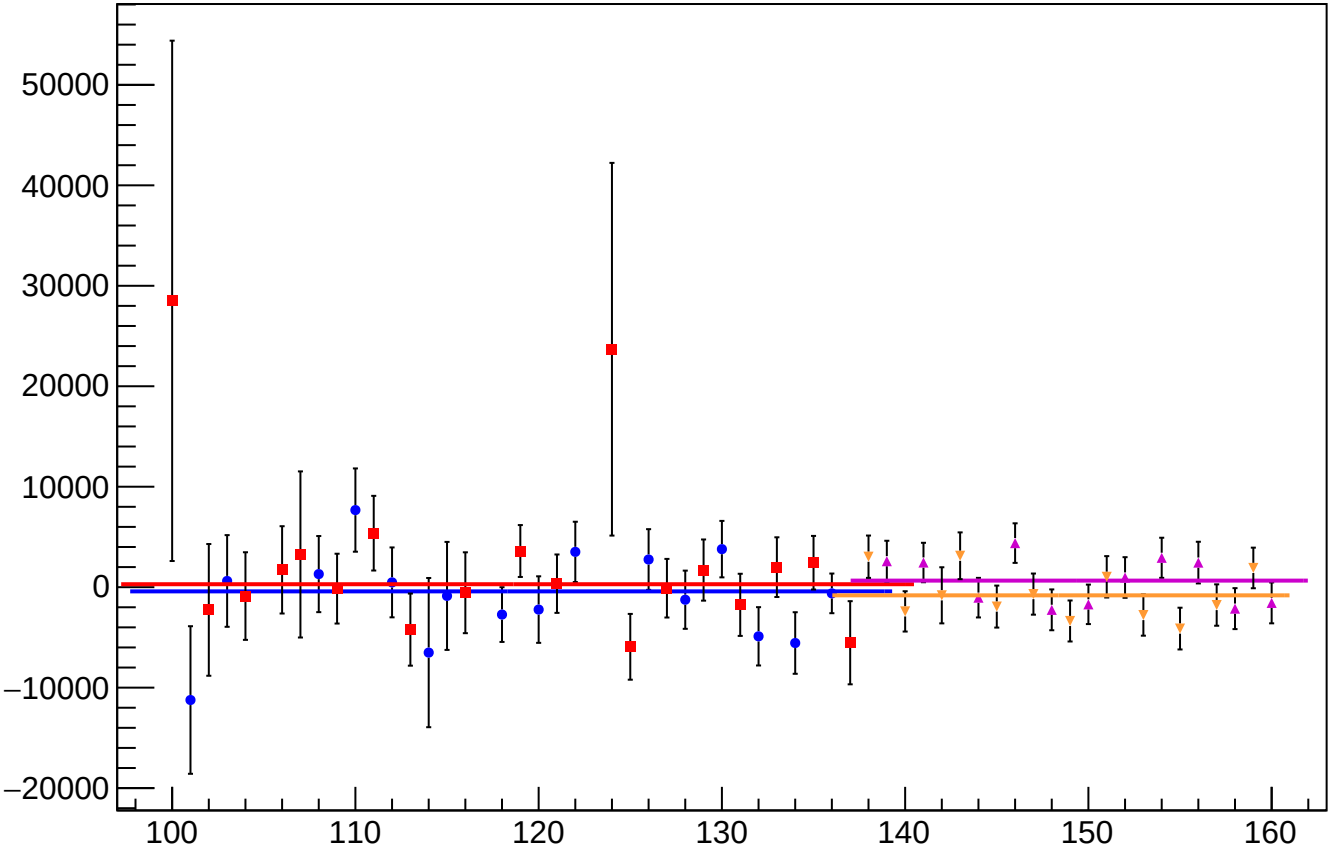
Left In: 458.567+/-0.106 χ^2/NDF:140534.4/10

+ sign 509.493+/-0.095 χ^2/NDF: 4212287.9/27

All: 508.282+/-0.066 χ^2/NDF: 8388722.3/57

- 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: -812.705+/-610.952 χ^2/NDF:15.0/11

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

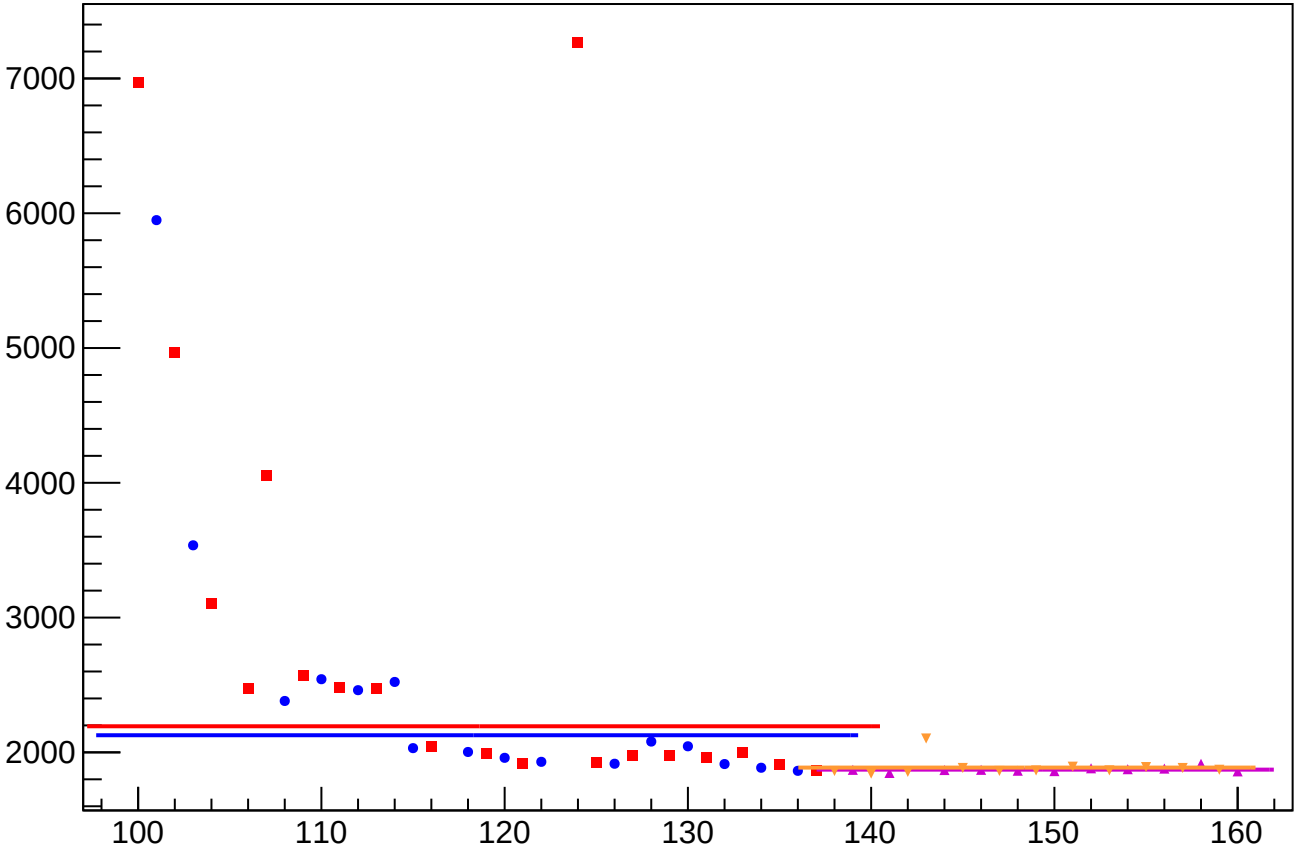
Left In: 653.829+/-605.417 χ^2/NDF:14.7/10

+ sign -670.661+/-488.927 χ^2/NDF: 33.5/27

All: -71.291+/-345.909 χ^2/NDF: 66.9/57

- 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: 1887.026+/-0.432 χ^2/NDF:19618.5/11

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

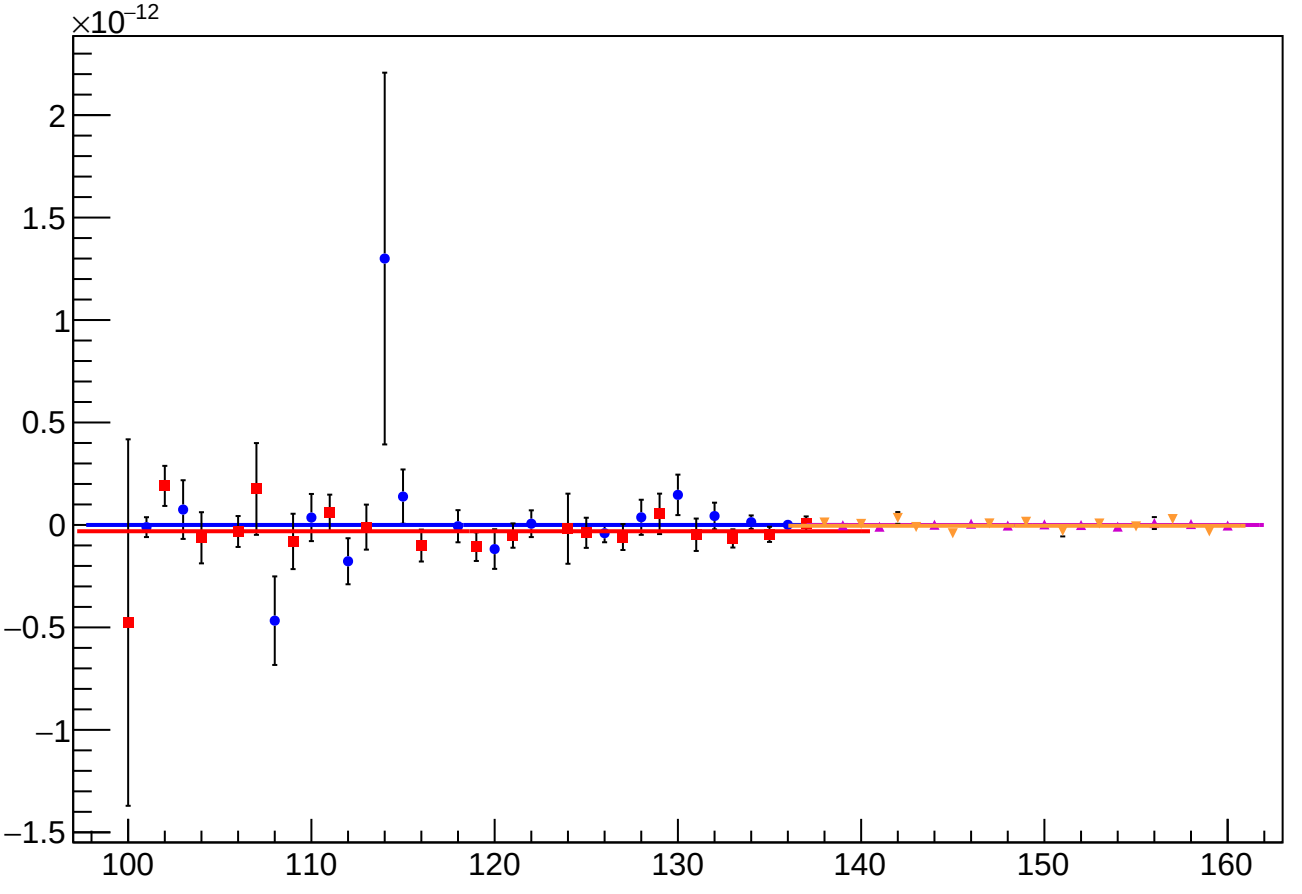
Left In: 1871.810+/-0.428 χ^2/NDF:1479.0/10

+ sign 1973.328+/-0.346 χ^2/NDF: 1005683.8/27

All: 1978.291+/-0.245 χ^2/NDF: 2145833.2/57

- sign 1983.265+/-0.346 χ^2/NDF: 1139736.6/29

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

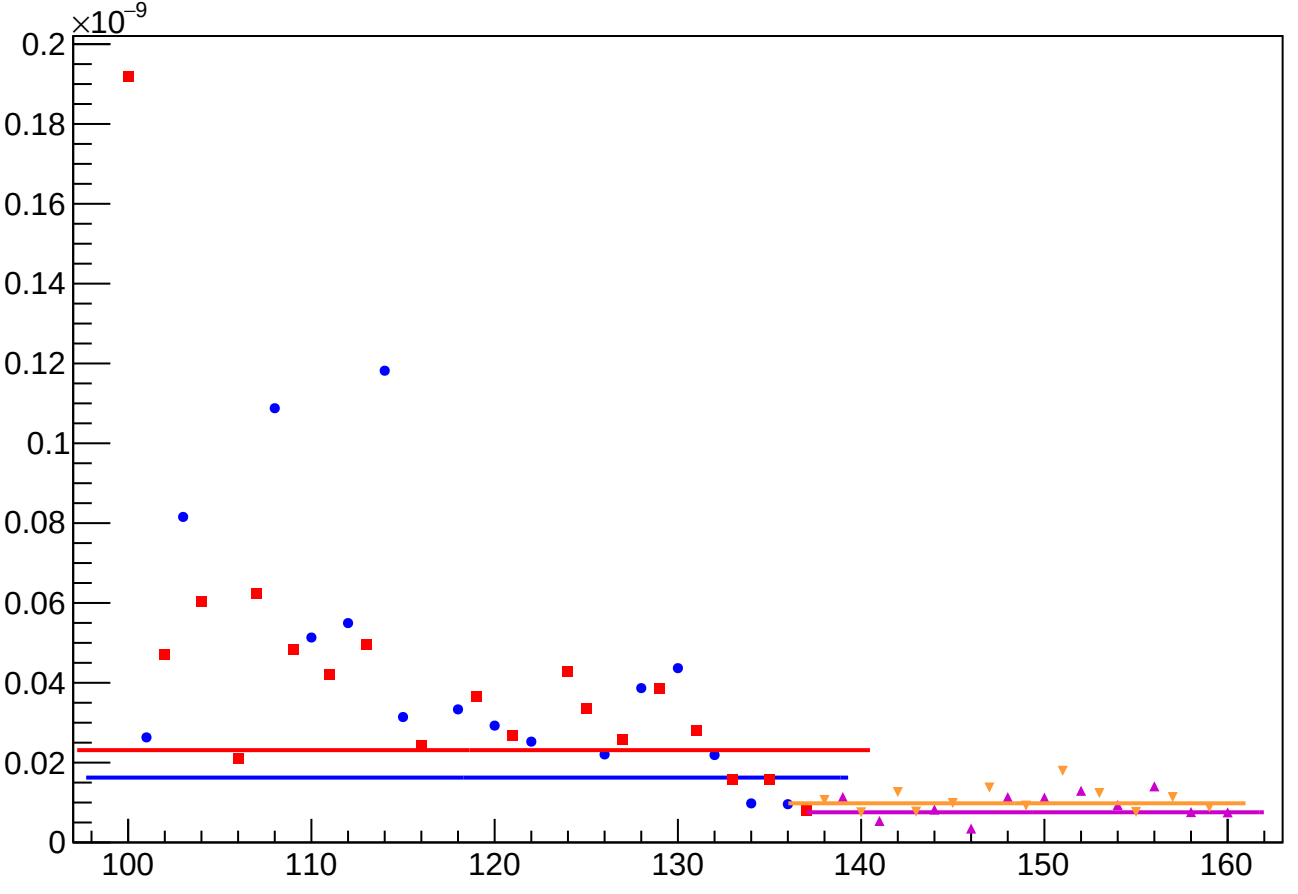
Left In: -0.000+/-0.000 χ^2/NDF:1.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/27

All: -0.000+/-0.000 χ^2/NDF: 48.9/57

- 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:421845.8/11

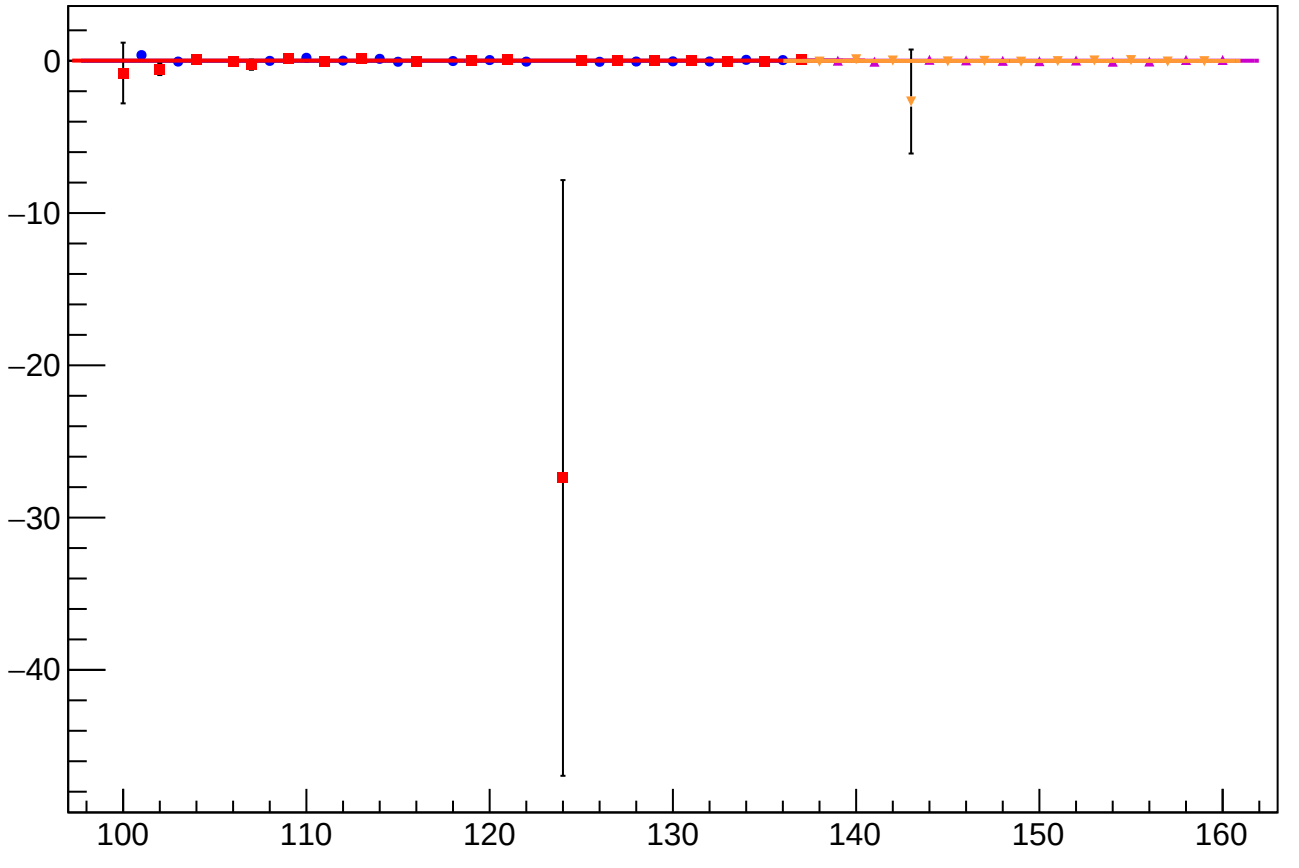
Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:871555.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 3197216.6/27

All: 0.000+/-0.000 χ^2/NDF: 7498300.2/57

- sign 0.000+/-0.000 χ^2/NDF: 4091216.4/29



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.012 χ^2/NDF:16.2/11

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

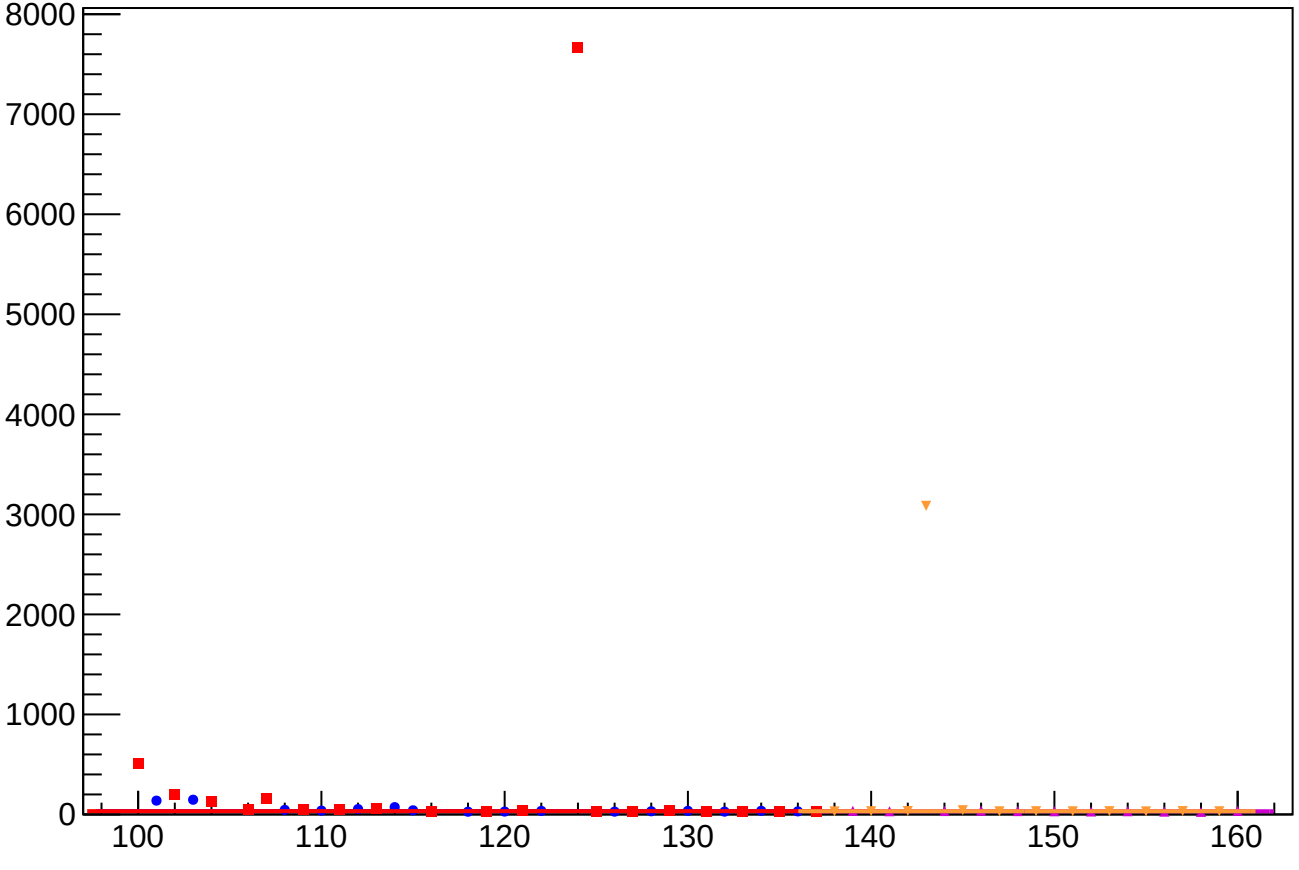
Left In: 0.003+/-0.011 χ^2/NDF:15.3/10

+ sign -0.005+/-0.009 χ^2/NDF: 37.6/27

All: 0.000+/-0.006 χ^2/NDF: 68.1/57

- 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: 32.434+/-0.008 χ^2/NDF:1697518.2/11

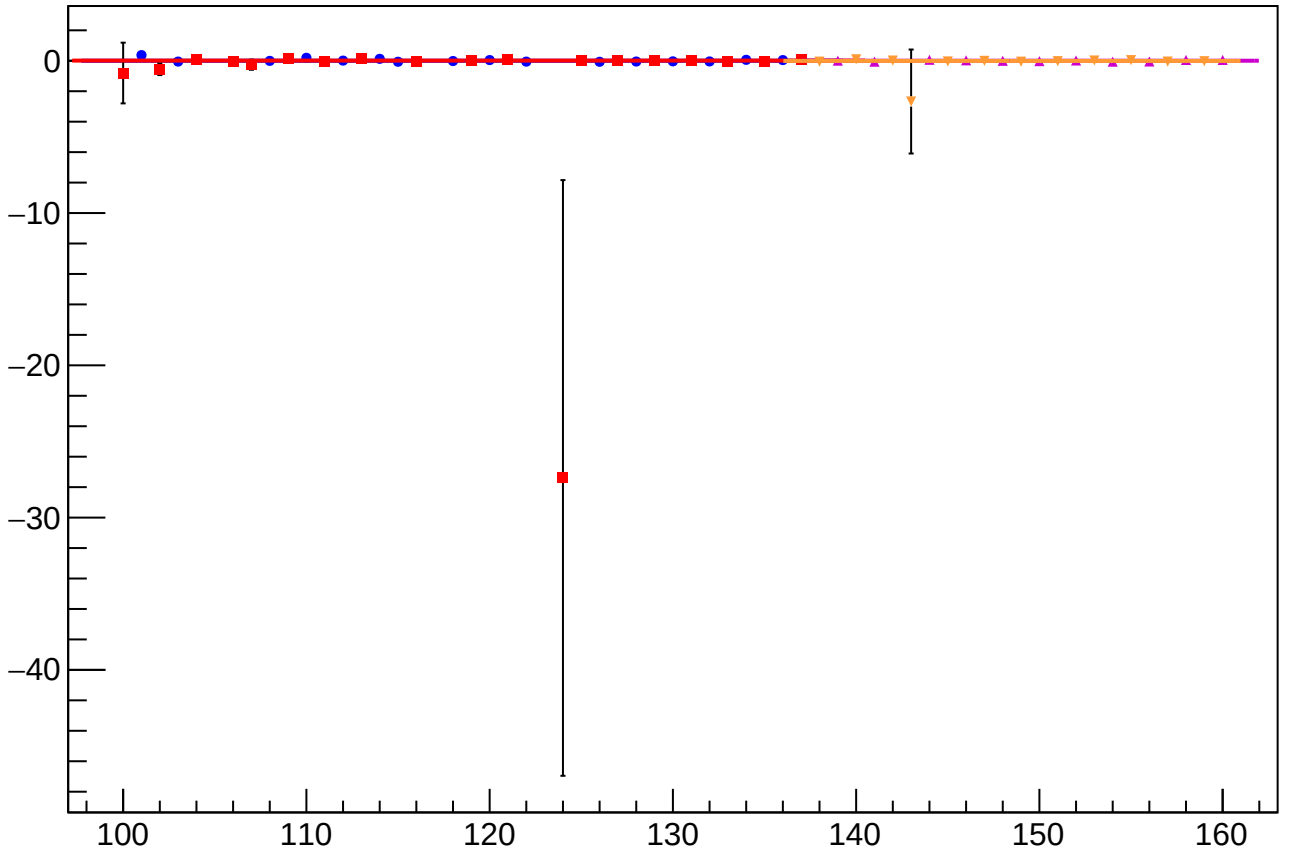
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.037+/-0.008 χ^2/NDF:170776.7/10

+ sign 33.070+/-0.007 χ^2/NDF: 3429458.5/27

All: 32.737+/-0.005 χ^2/NDF: 5686700.6/57

- 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: -0.010+/-0.012 χ^2/NDF:16.2/11

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

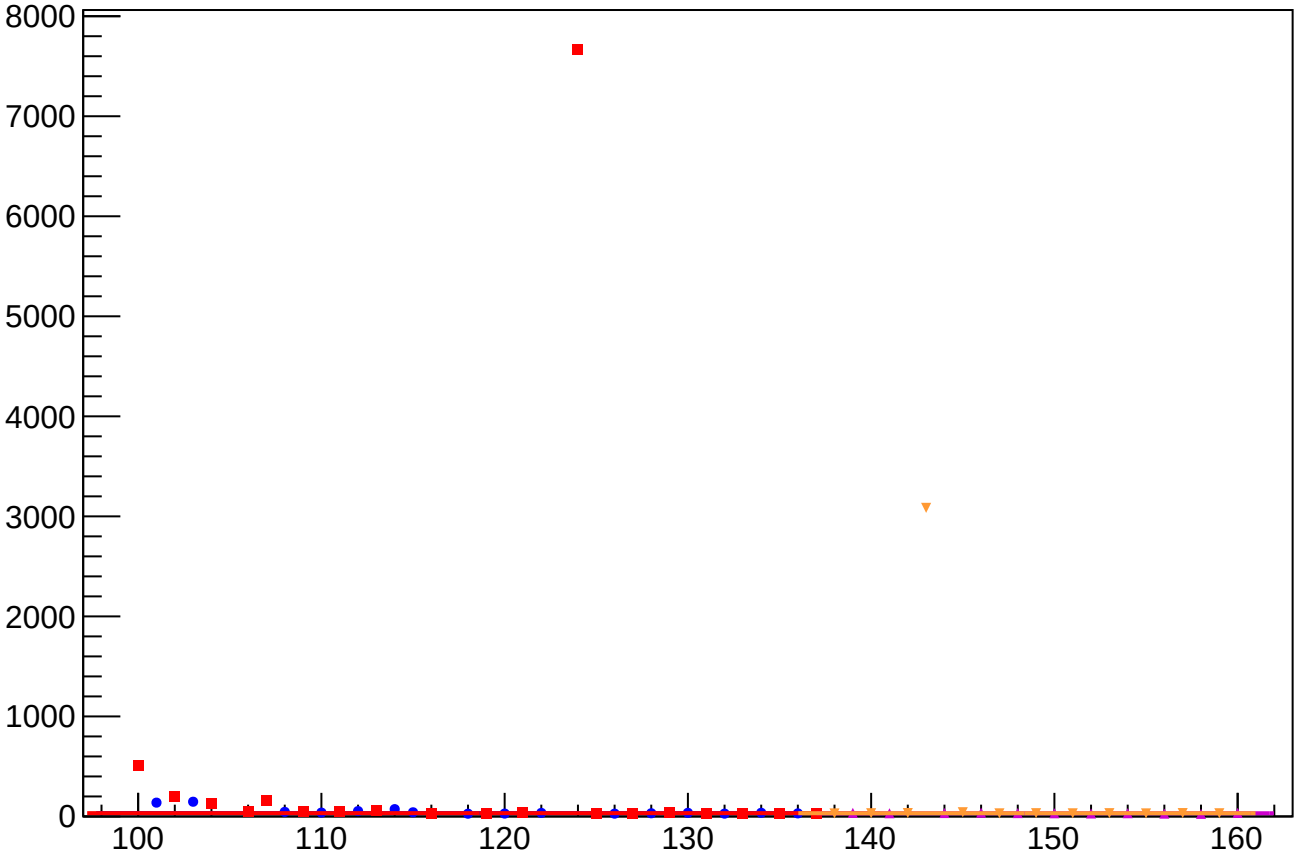
Left In: 0.003+/-0.011 χ^2/NDF:15.3/10

+ sign -0.005+/-0.009 χ^2/NDF: 37.6/27

All: 0.000+/-0.006 χ^2/NDF: 68.1/57

- 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: 32.434+/-0.008 χ^2/NDF:1697518.2/11

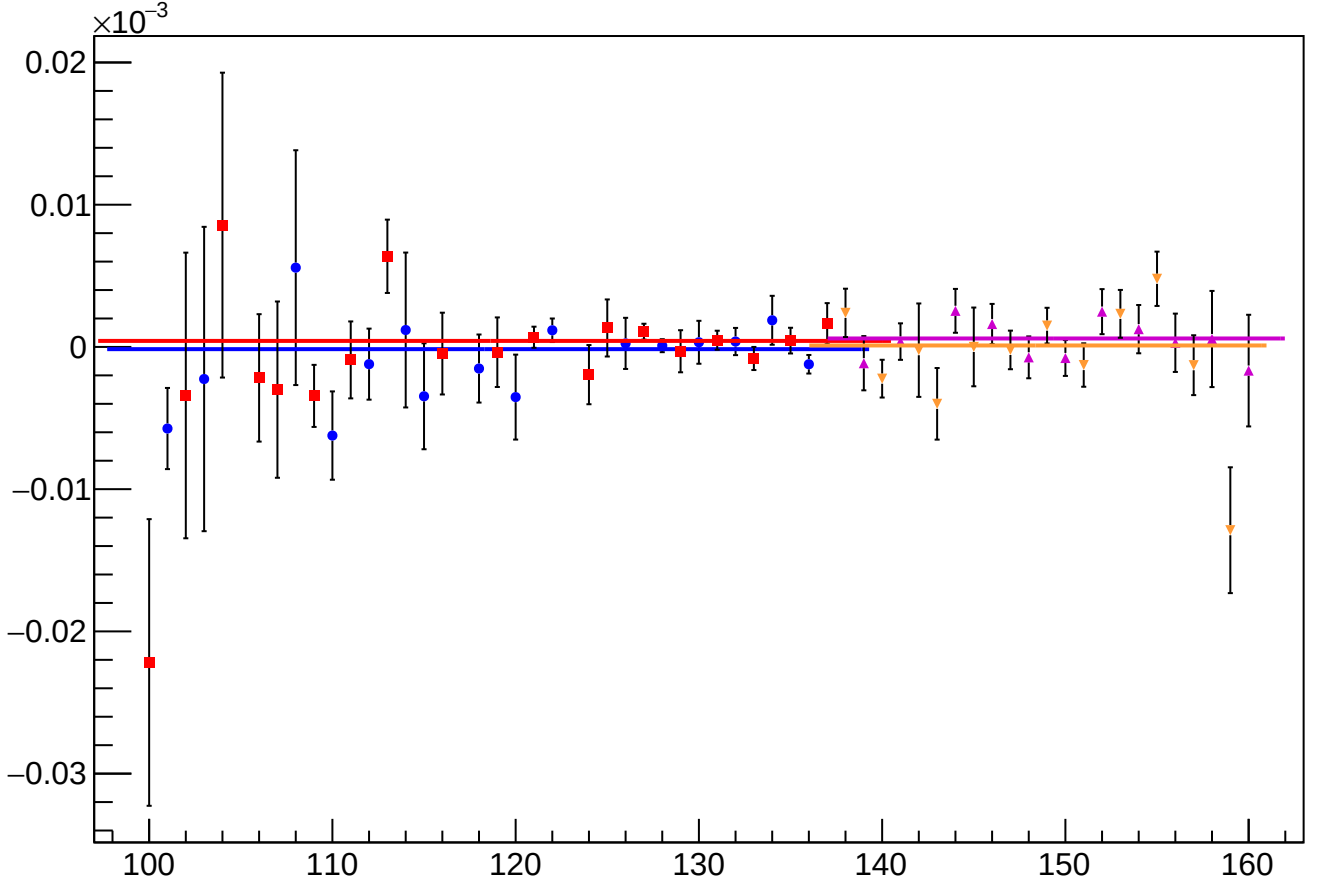
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.037+/-0.008 χ^2/NDF:170776.7/10

+ sign 33.070+/-0.007 χ^2/NDF: 3429458.5/27

All: 32.737+/-0.005 χ^2/NDF: 5686700.6/57

- 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:26.5/11

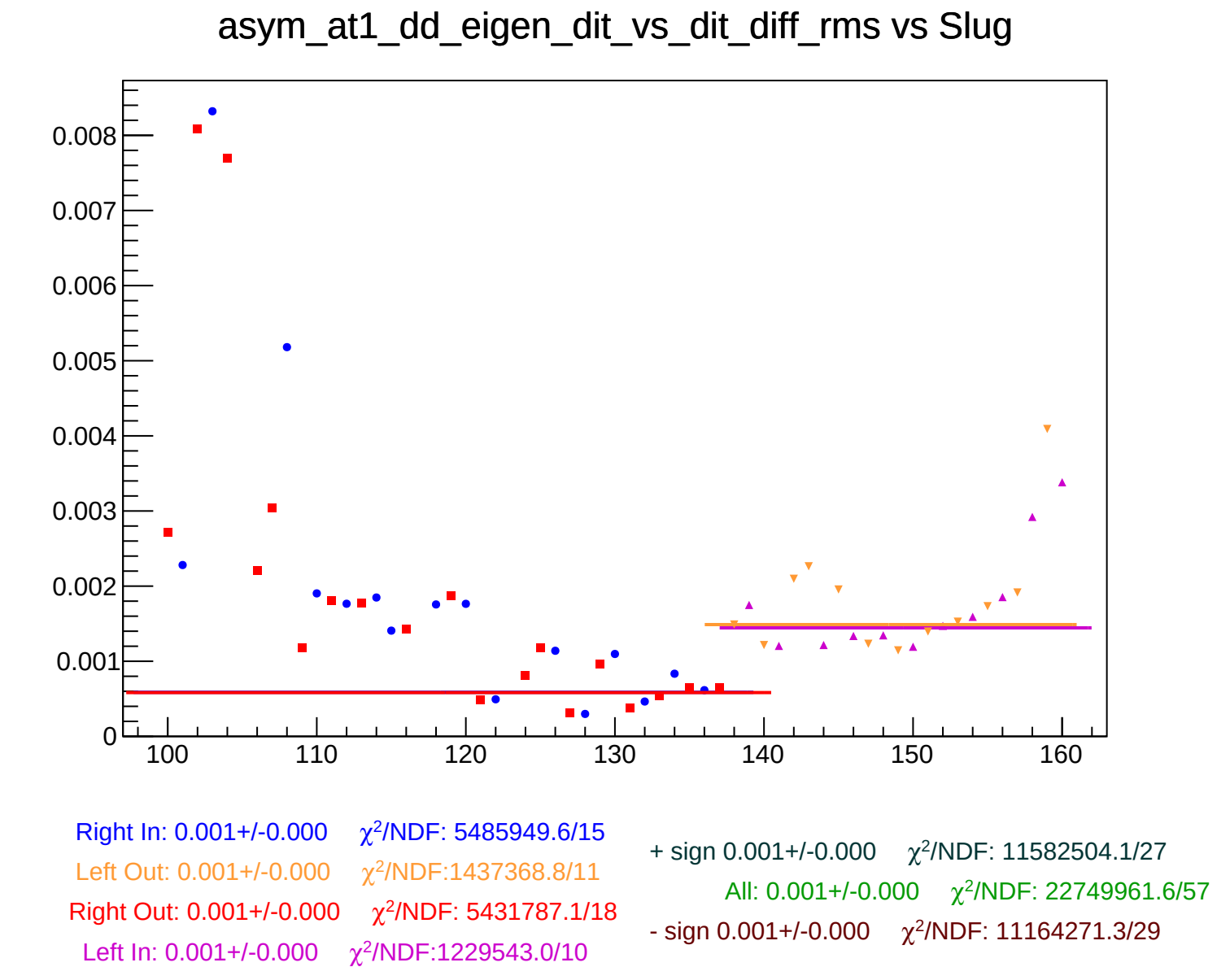
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

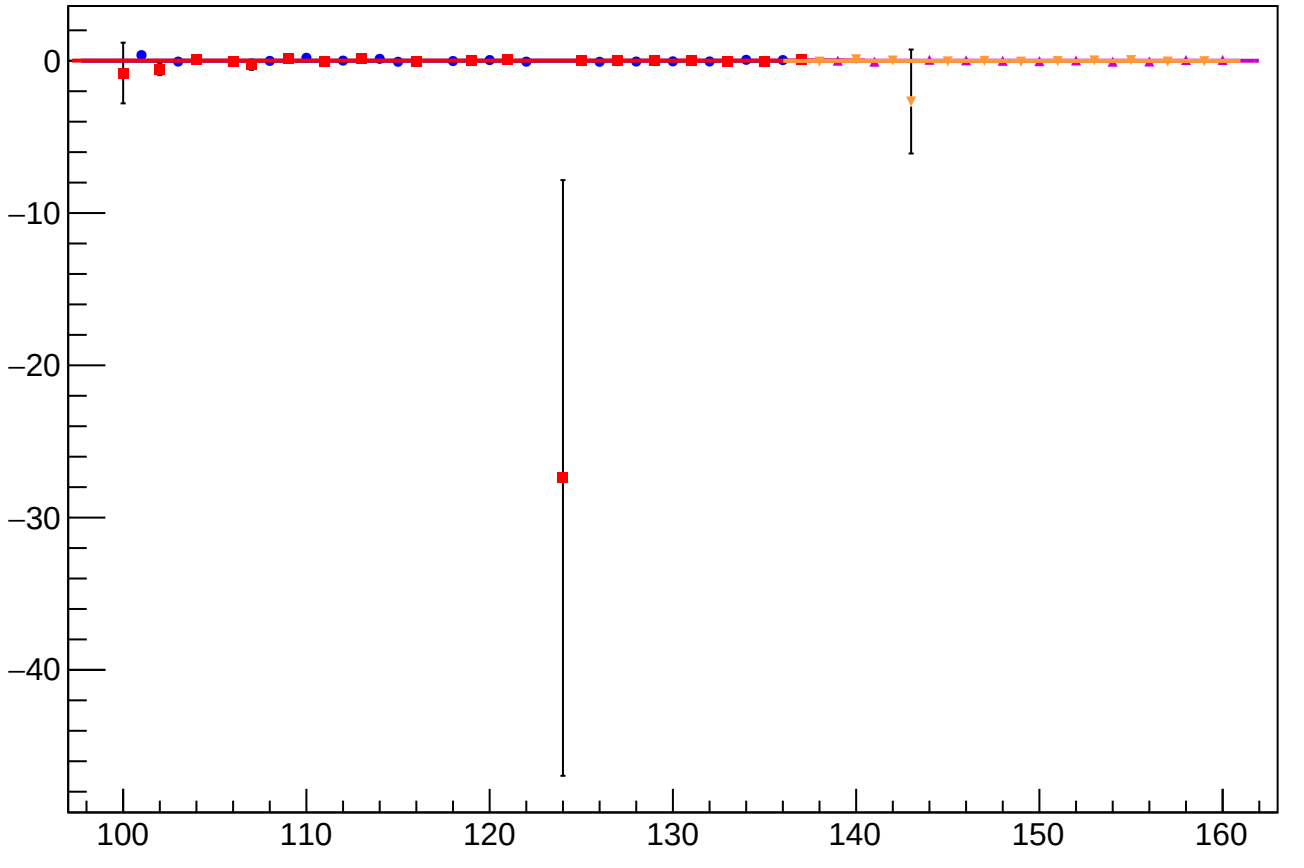
Left In: 0.000+/-0.000 χ^2/NDF:6.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 44.9/27

All: 0.000+/-0.000 χ^2/NDF: 75.9/57

- 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:1437368.8/11
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: 11582504.1/27
All: 0.001+/-0.000 χ²/NDF: 22749961.6/57
- sign 0.001+/-0.000 χ²/NDF: 11164271.3/29



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-0.012 χ^2/NDF:16.2/11

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

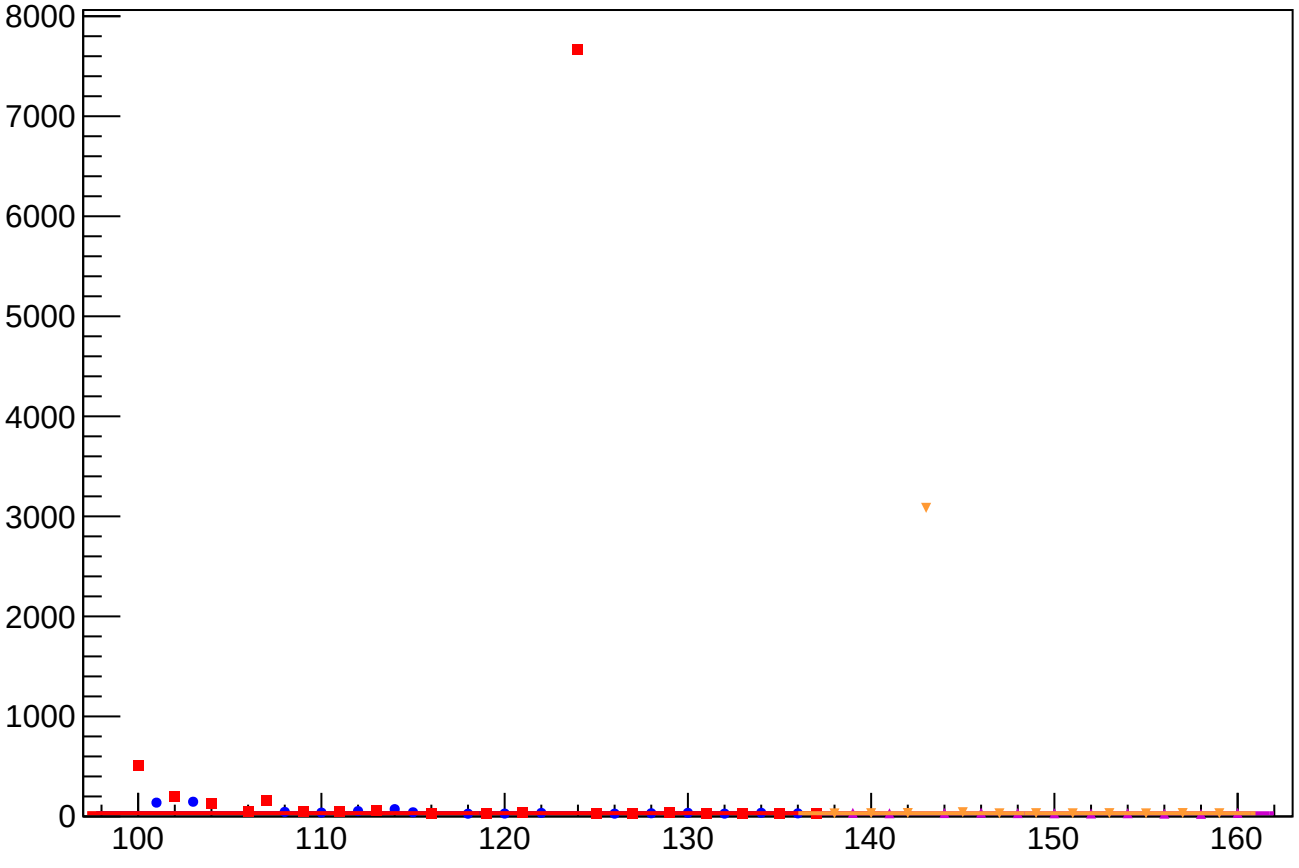
Left In: 0.003+/-0.011 χ^2/NDF:15.3/10

+ sign -0.005+/-0.009 χ^2/NDF: 37.6/27

All: 0.000+/-0.006 χ^2/NDF: 68.1/57

- 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: 32.434+/-0.008 χ^2/NDF:1697519.8/11

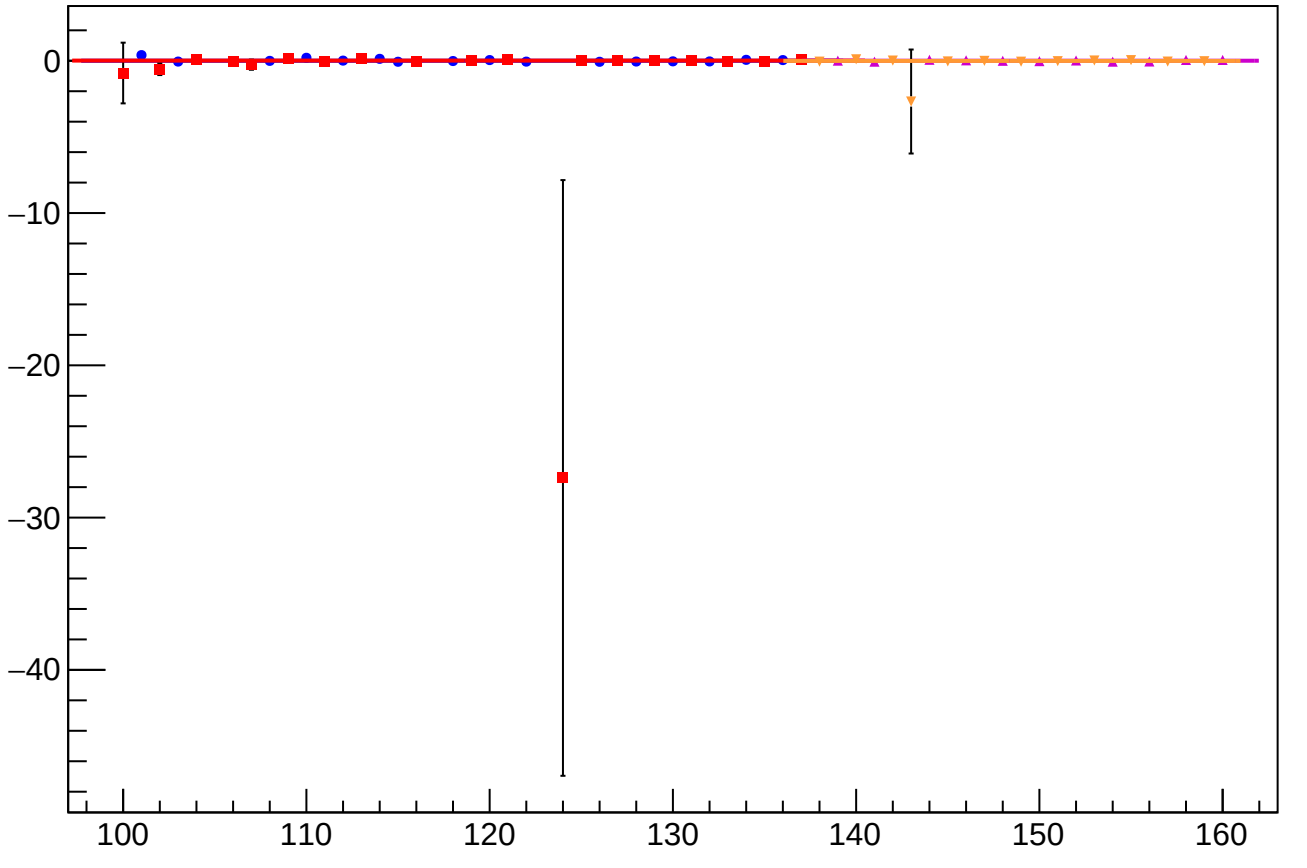
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.037+/-0.008 χ^2/NDF:170713.9/10

\+ sign 33.070+/-0.007 χ^2/NDF: 3429448.4/27

All: 32.737+/-0.005 χ^2/NDF: 5686599.9/57

\- 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: -0.010+/-0.012 χ^2/NDF:16.2/11

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

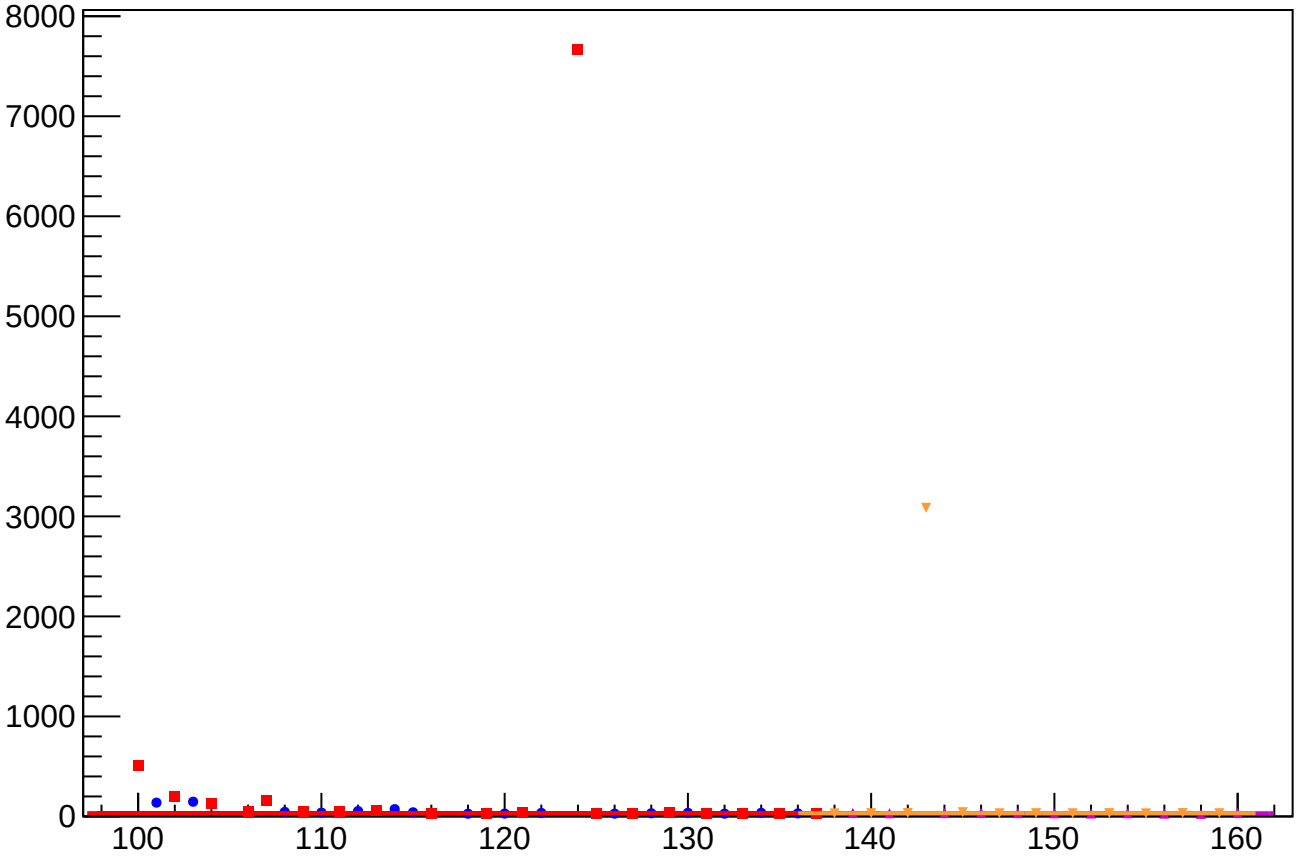
Left In: 0.003+/-0.011 χ^2/NDF:15.3/10

+ sign -0.005+/-0.009 χ^2/NDF: 37.6/27

All: 0.000+/-0.006 χ^2/NDF: 68.1/57

- sign 0.006+/-0.009 χ^2/NDF: 29.8/29

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.434+/-0.008 χ^2/NDF:1697519.8/11

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

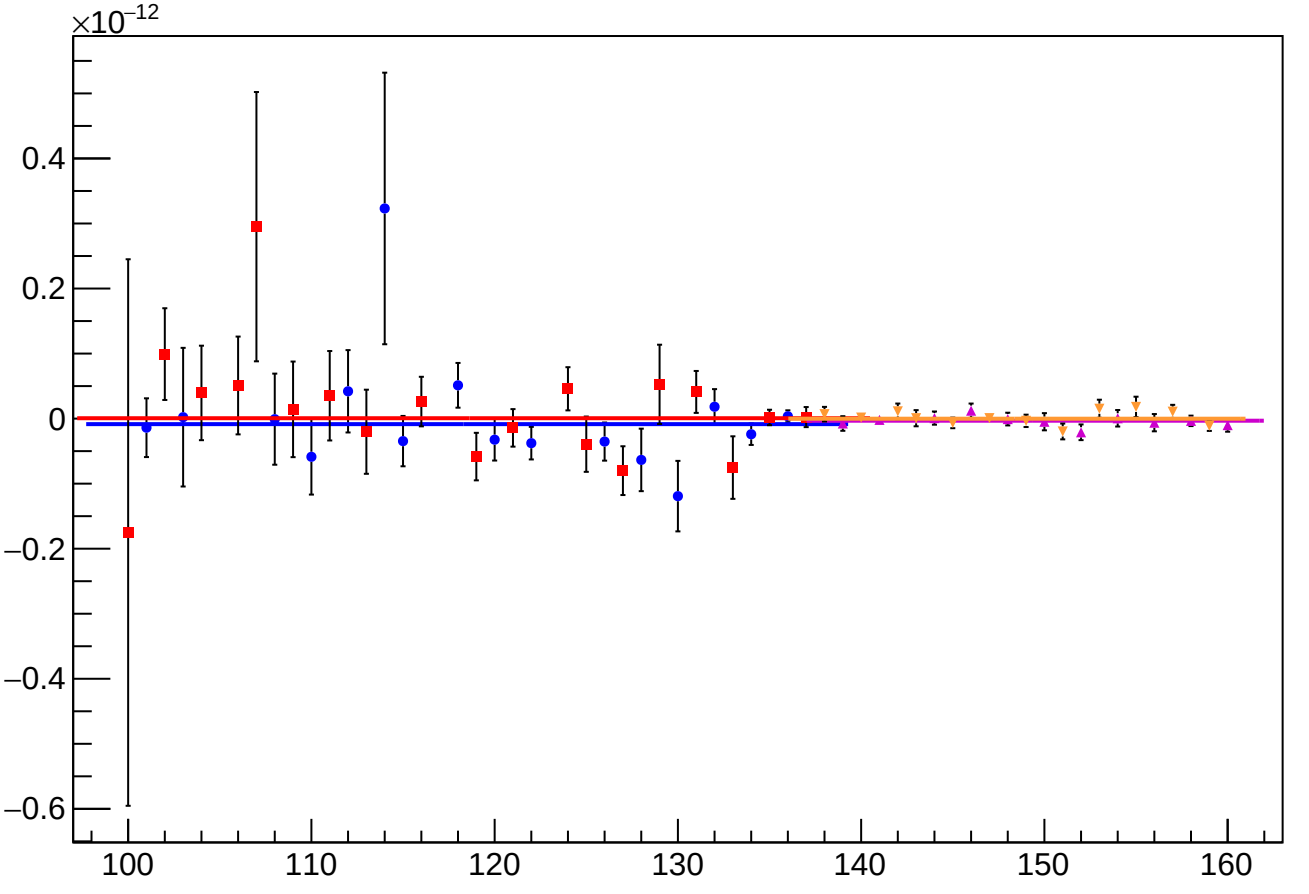
Left In: 32.037+/-0.008 χ^2/NDF:170713.9/10

+ sign 33.070+/-0.007 χ^2/NDF: 3429448.4/27

All: 32.737+/-0.005 χ^2/NDF: 5686599.9/57

- 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:10.2/11

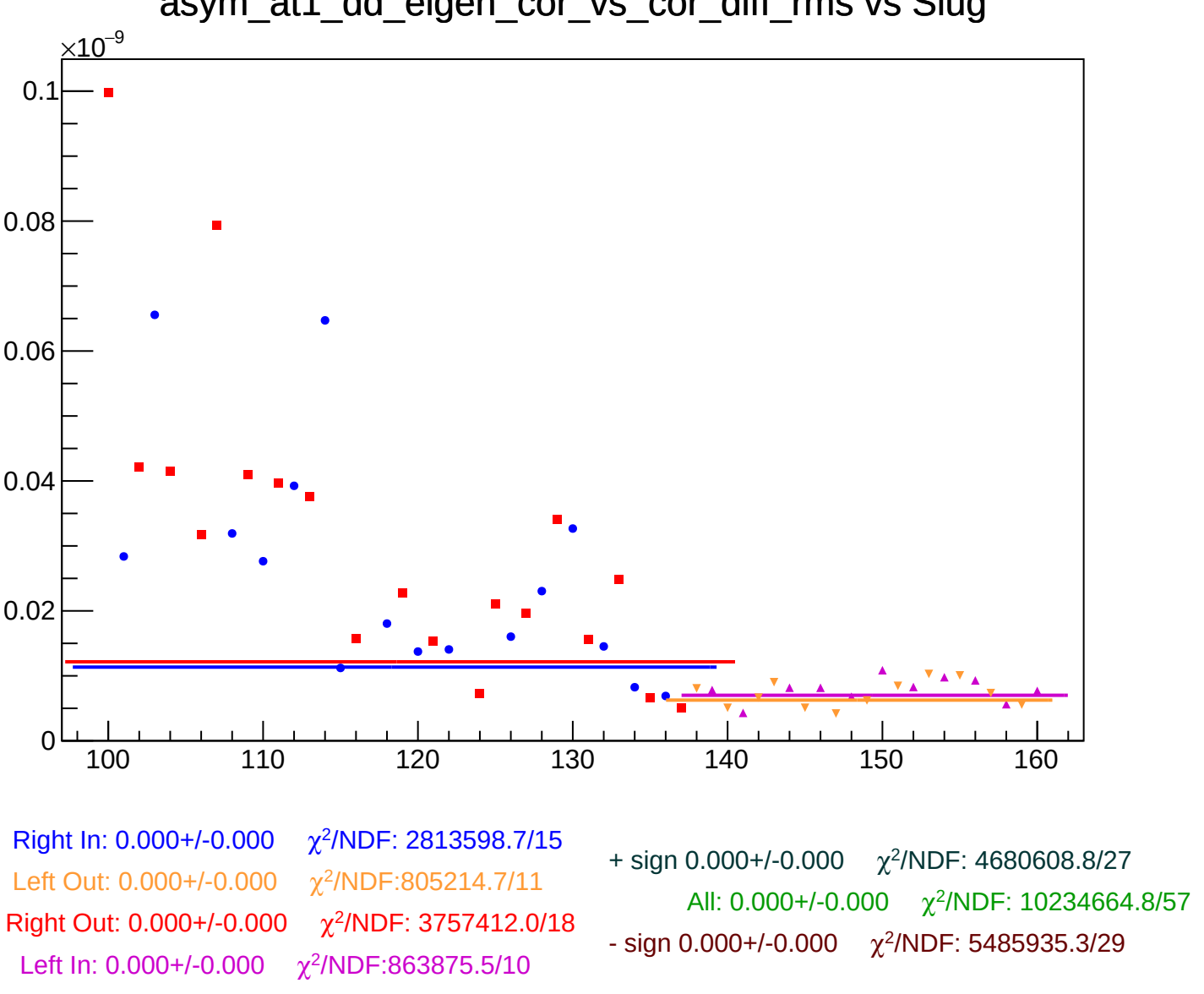
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

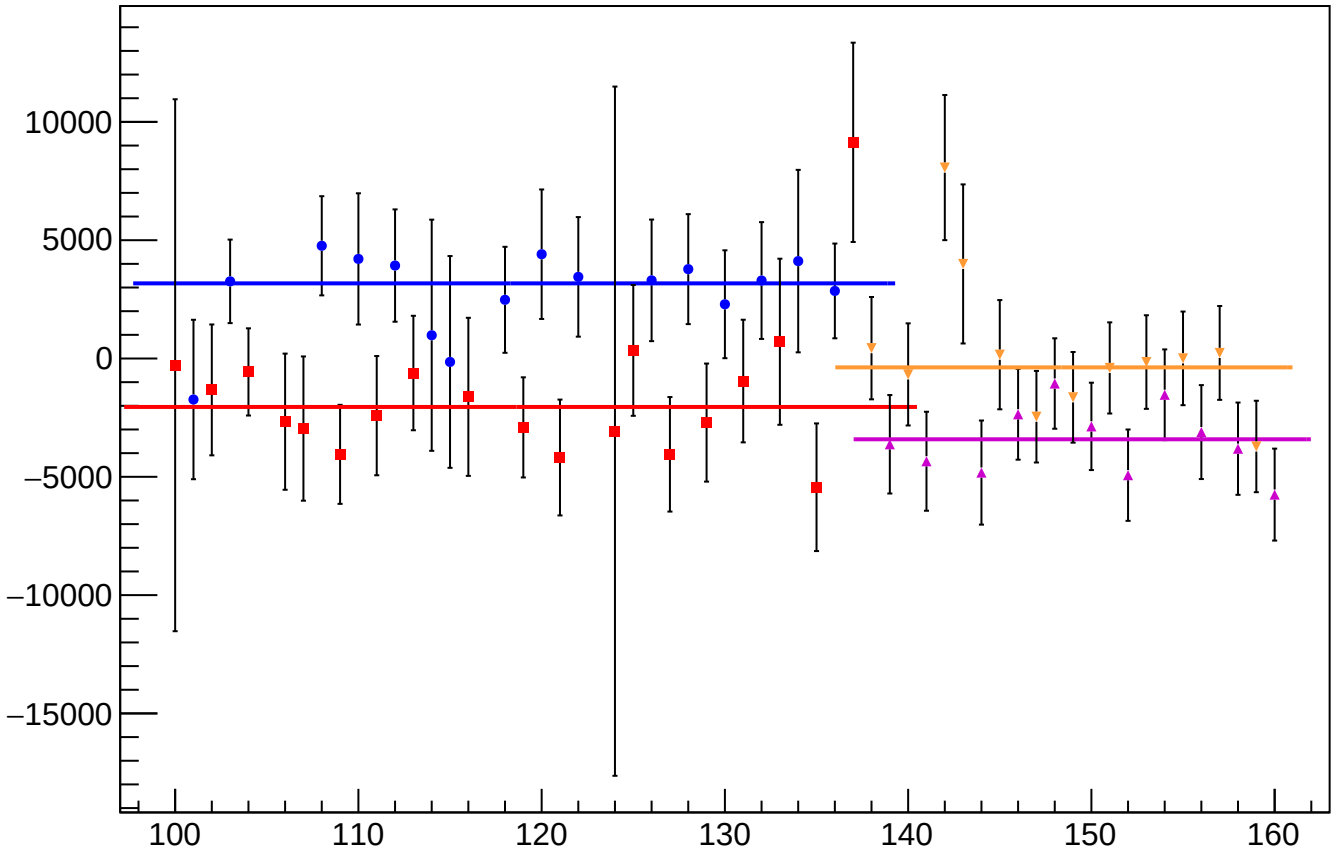
Left In: -0.000+/-0.000 χ^2/NDF:5.2/10

+ sign -0.000+/-0.000 χ^2/NDF: 30.9/27

All: -0.000+/-0.000 χ^2/NDF: 57.2/57

- sign -0.000+/-0.000 χ^2/NDF: 26.2/29


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2813598.7/15
Left Out: 0.000+/-0.000 χ²/NDF:805214.7/11
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:863875.5/10
+ sign 0.000+/-0.000 χ²/NDF: 4680608.8/27
All: 0.000+/-0.000 χ²/NDF: 10234664.8/57
- sign 0.000+/-0.000 χ²/NDF: 5485935.3/29



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: -374.285+/-613.910 χ^2/NDF:14.2/11

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

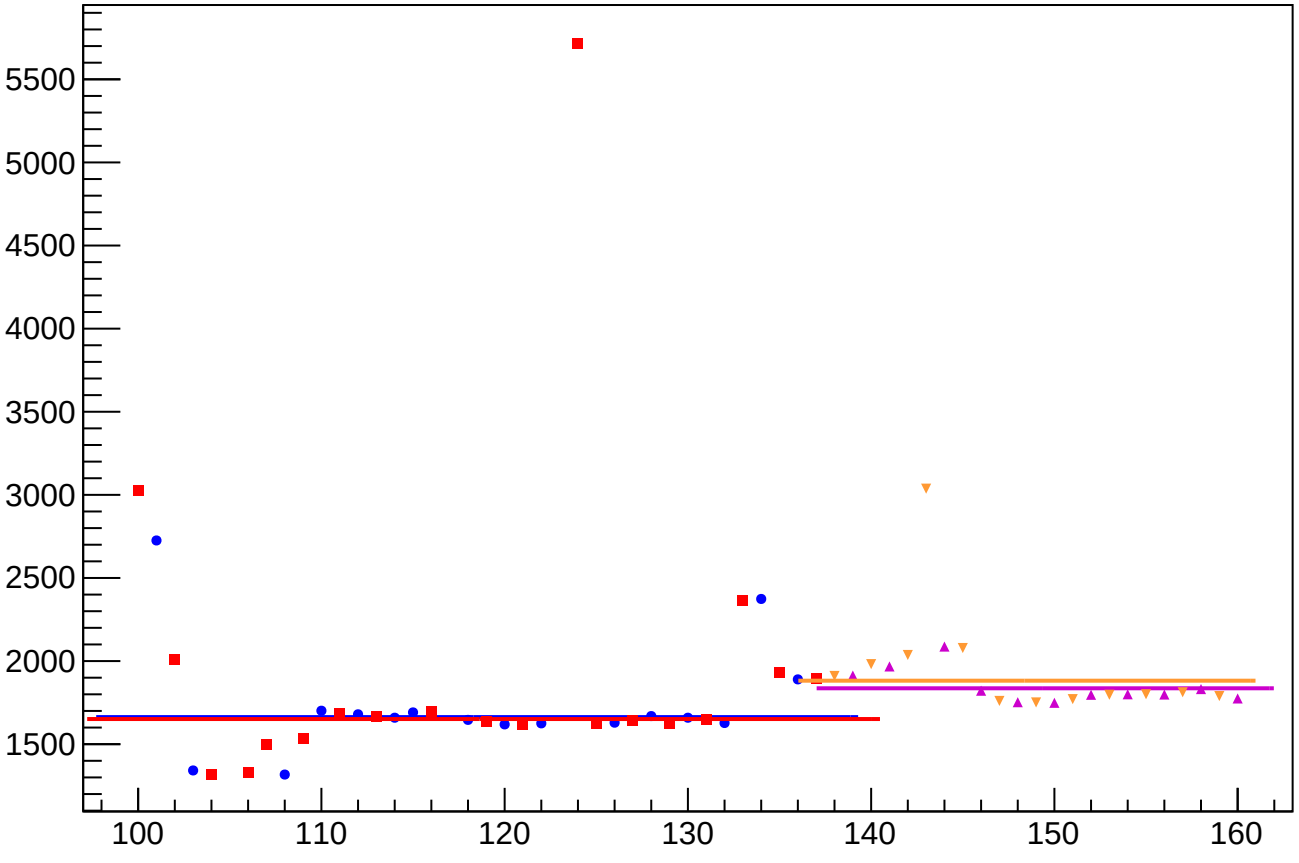
Left In: -3414.182+/-594.735 χ^2/NDF:5.6/10

+ sign 1360.410+/-438.994 χ^2/NDF: 34.9/27

All: -744.351+/-307.074 χ^2/NDF: 102.1/57

- 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: 1881.989+/-0.434 χ^2/NDF:298389.4/11

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

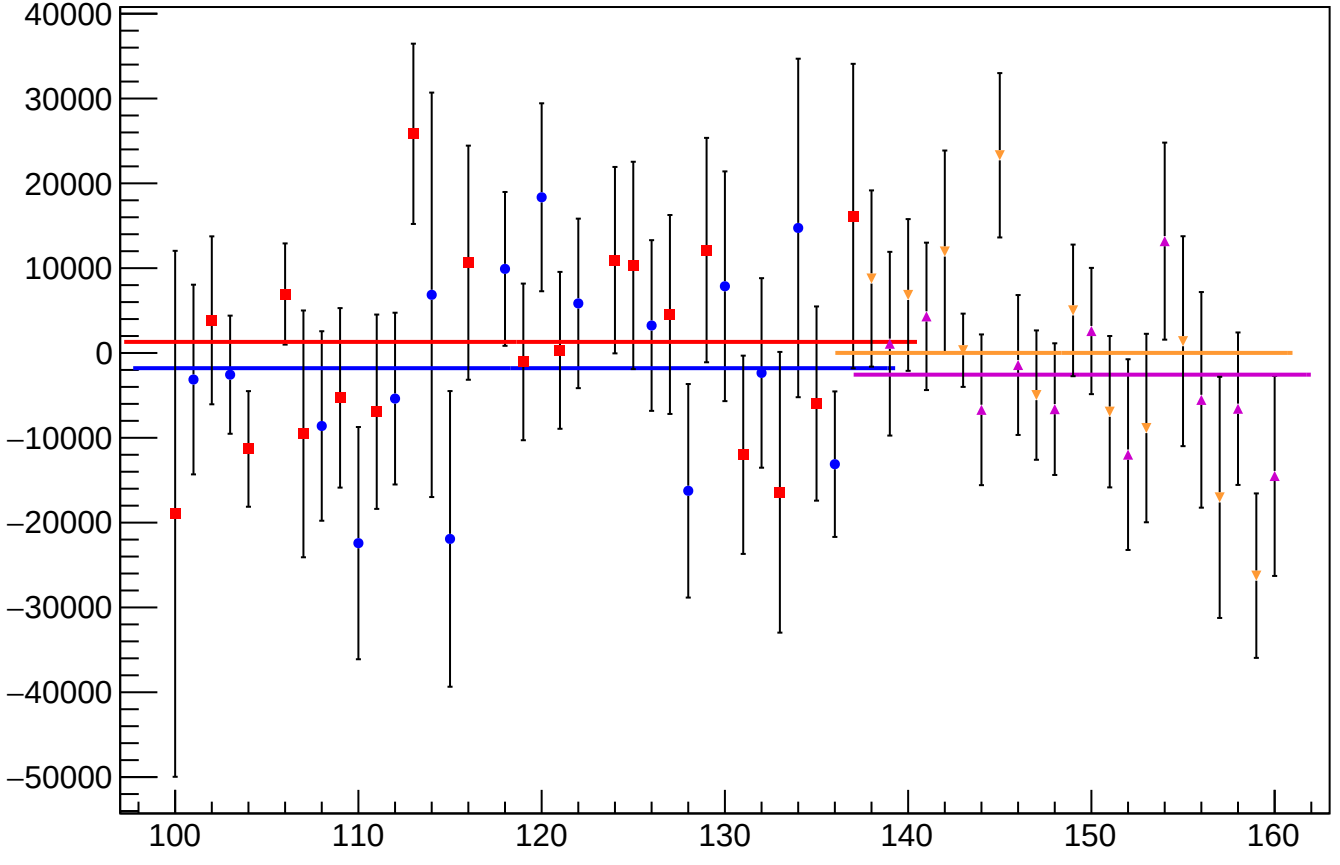
Left In: 1836.245+/-0.421 χ^2/NDF:49299.1/10

+ sign 1774.929+/-0.310 χ^2/NDF: 838490.5/27

All: 1761.100+/-0.217 χ^2/NDF: 1416068.6/57

- 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: 9.799+/-2427.666 χ^2/NDF:19.0/11

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

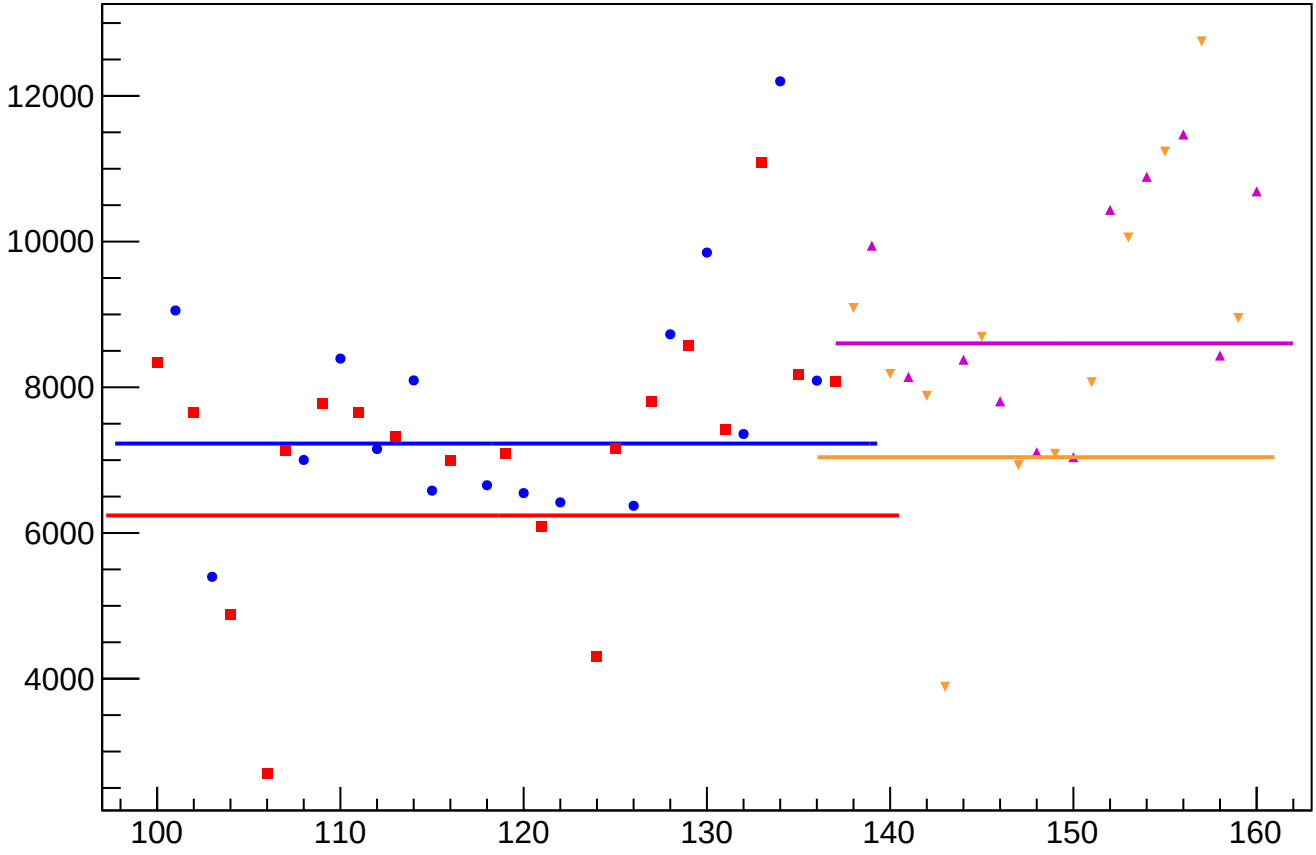
Left In: -2556.192+/-2829.732 χ^2/NDF:5.5/10

+ sign -780.999+/-1818.110 χ^2/NDF: 33.5/27

All: -560.179+/-1294.504 χ^2/NDF: 57.9/57

- 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: 7040.080+/-1.717 χ^2/NDF:2048073.2/11

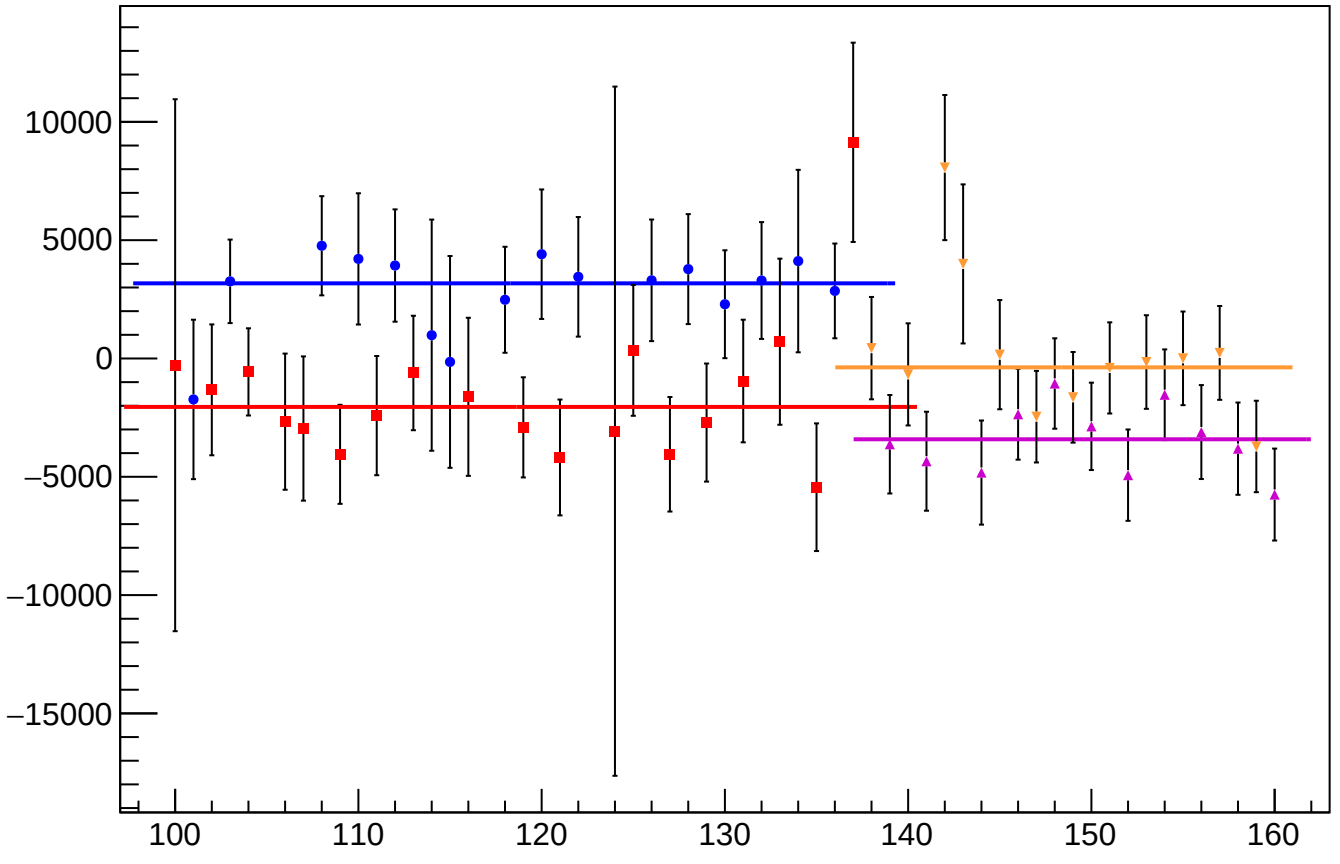
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8602.699+/-2.001 χ^2/NDF:514138.1/10

+ sign 7122.421+/-1.286 χ^2/NDF: 2556573.7/27

All: 7181.956+/-0.915 χ^2/NDF: 5276249.0/57

- 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: -374.365+/-613.910 χ^2/NDF:14.2/11

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

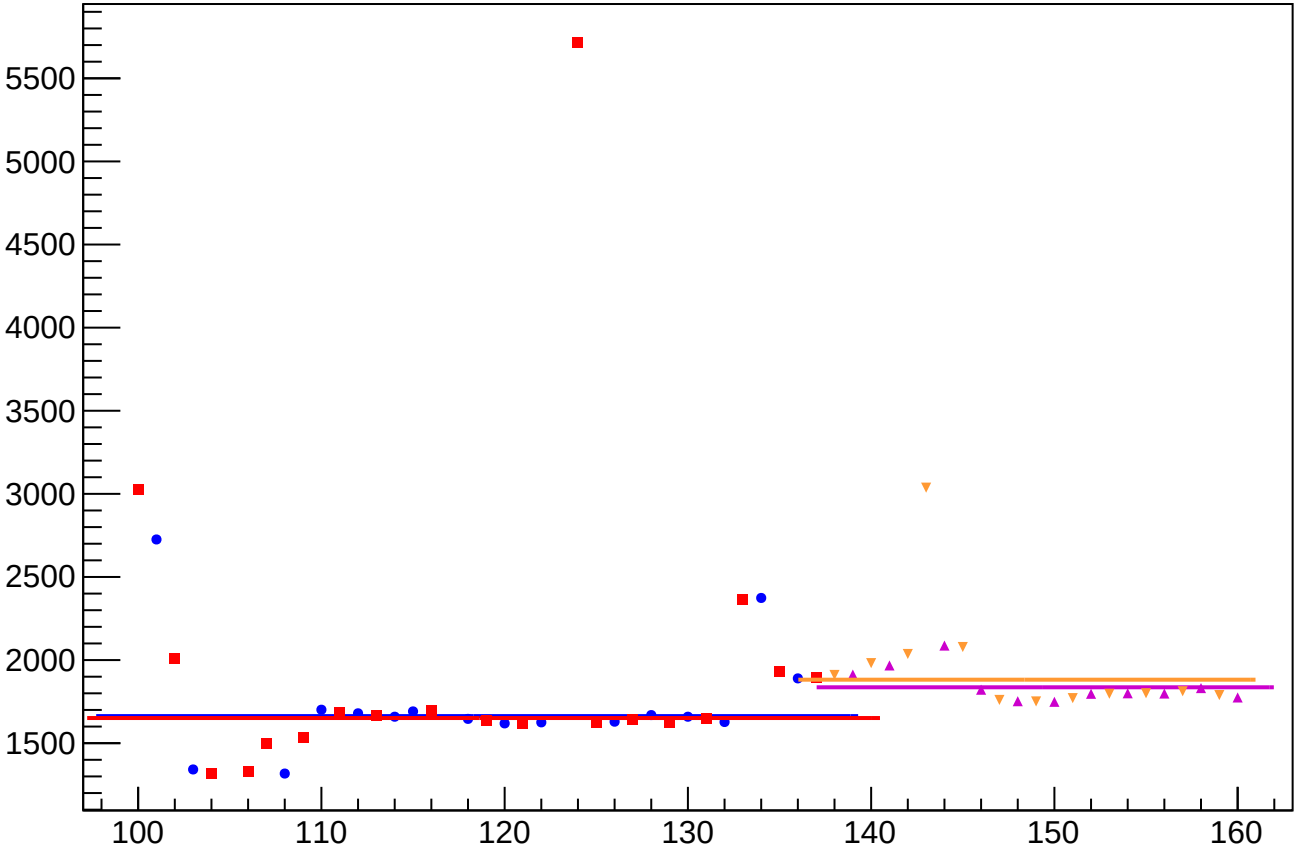
Left In: -3414.266+/-594.735 χ^2/NDF:5.6/10

+ sign 1360.412+/-438.994 χ^2/NDF: 34.9/27

All: -744.325+/-307.074 χ^2/NDF: 102.1/57

- 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: 1881.989+/-0.434 χ^2/NDF:298389.4/11

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

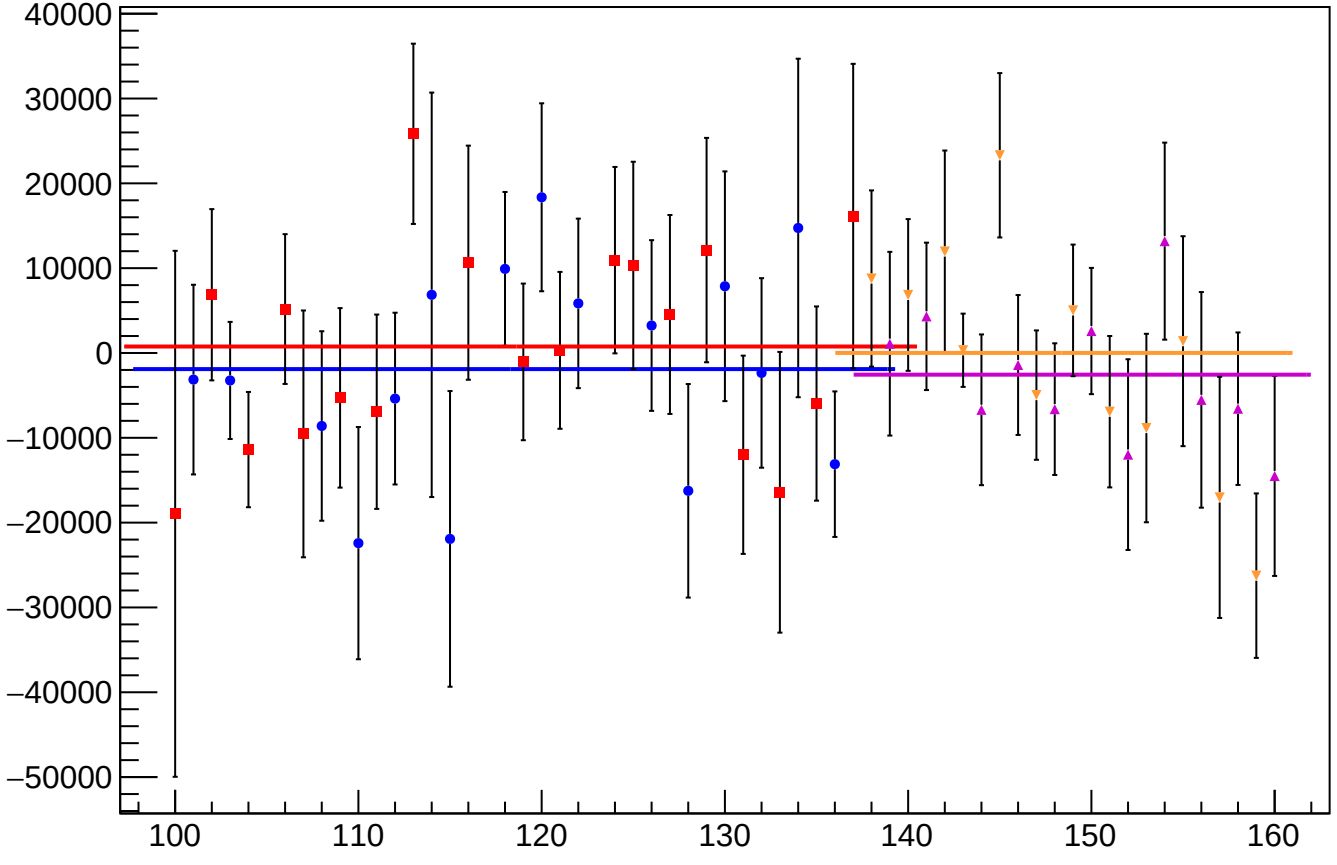
Left In: 1836.246+/-0.421 χ^2/NDF:49299.1/10

+ sign 1774.929+/-0.310 χ^2/NDF: 838491.0/27

All: 1761.100+/-0.217 χ^2/NDF: 1416069.3/57

- 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: 9.682+/-2427.657 χ^2/NDF:19.0/11

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

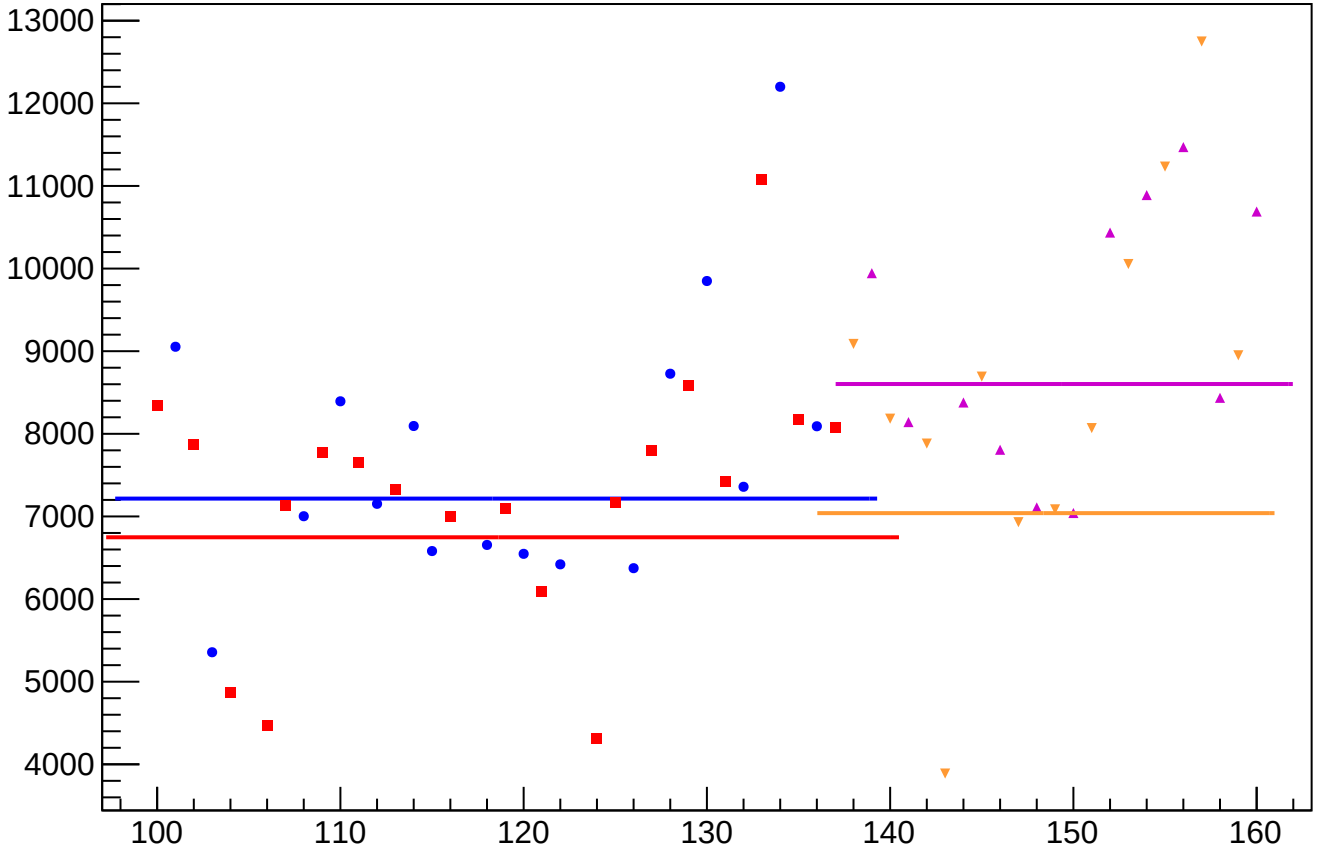
Left In: -2556.339+/-2829.731 χ^2/NDF:5.5/10

\+ sign -830.225+/-1817.038 χ^2/NDF: 33.6/27

All: -779.692+/-1311.303 χ^2/NDF: 57.2/57

\- 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: 7040.043+/-1.717 χ^2/NDF:2048121.9/11

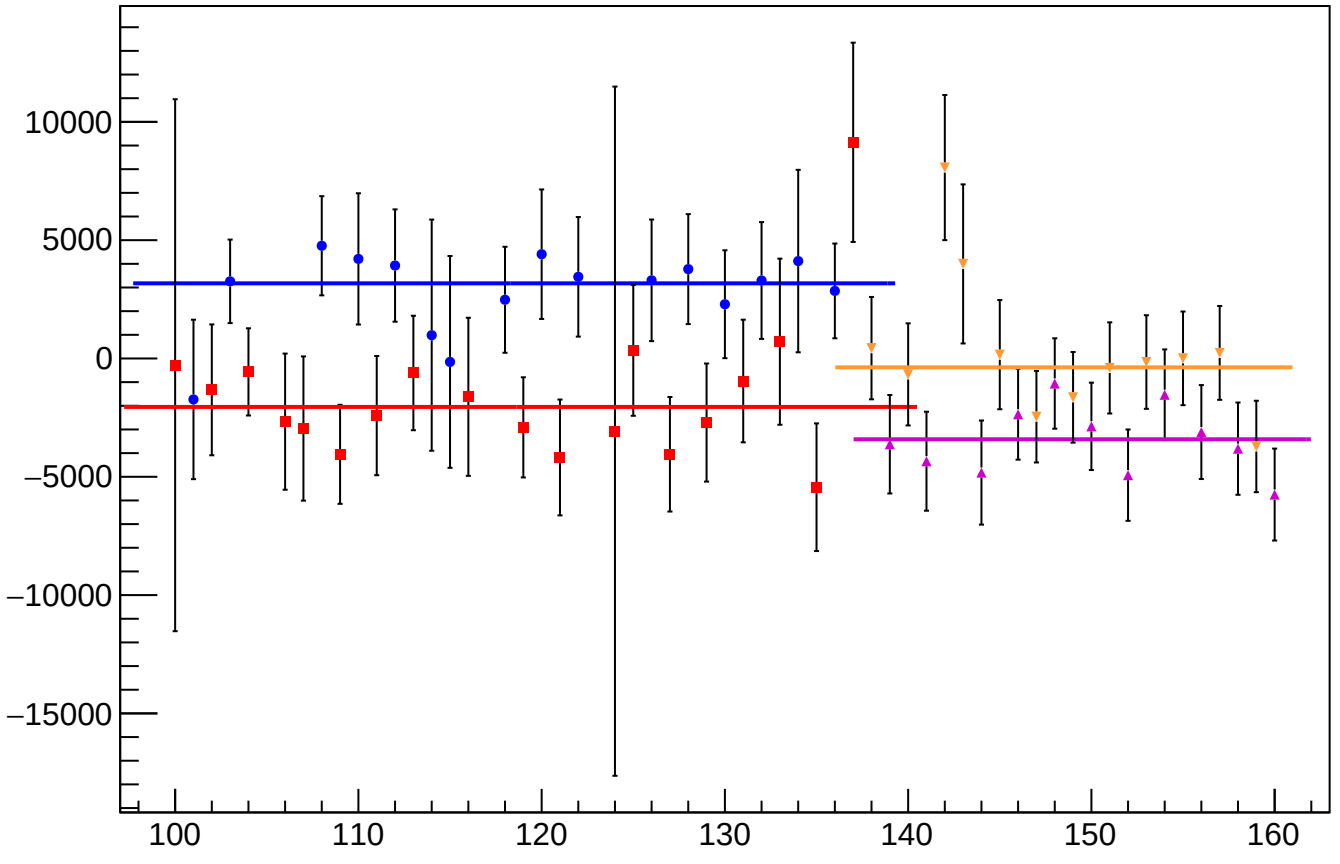
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8602.695+/-2.001 χ^2/NDF:514141.9/10

\+ sign 7117.439+/-1.285 χ^2/NDF: 2564870.5/27

All: 7338.617+/-0.927 χ^2/NDF: 4323935.6/57

\- sign 7579.003+/-1.339 χ^2/NDF: 1697224.5/29



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -374.365+/-613.910 χ^2/NDF:14.2/11

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

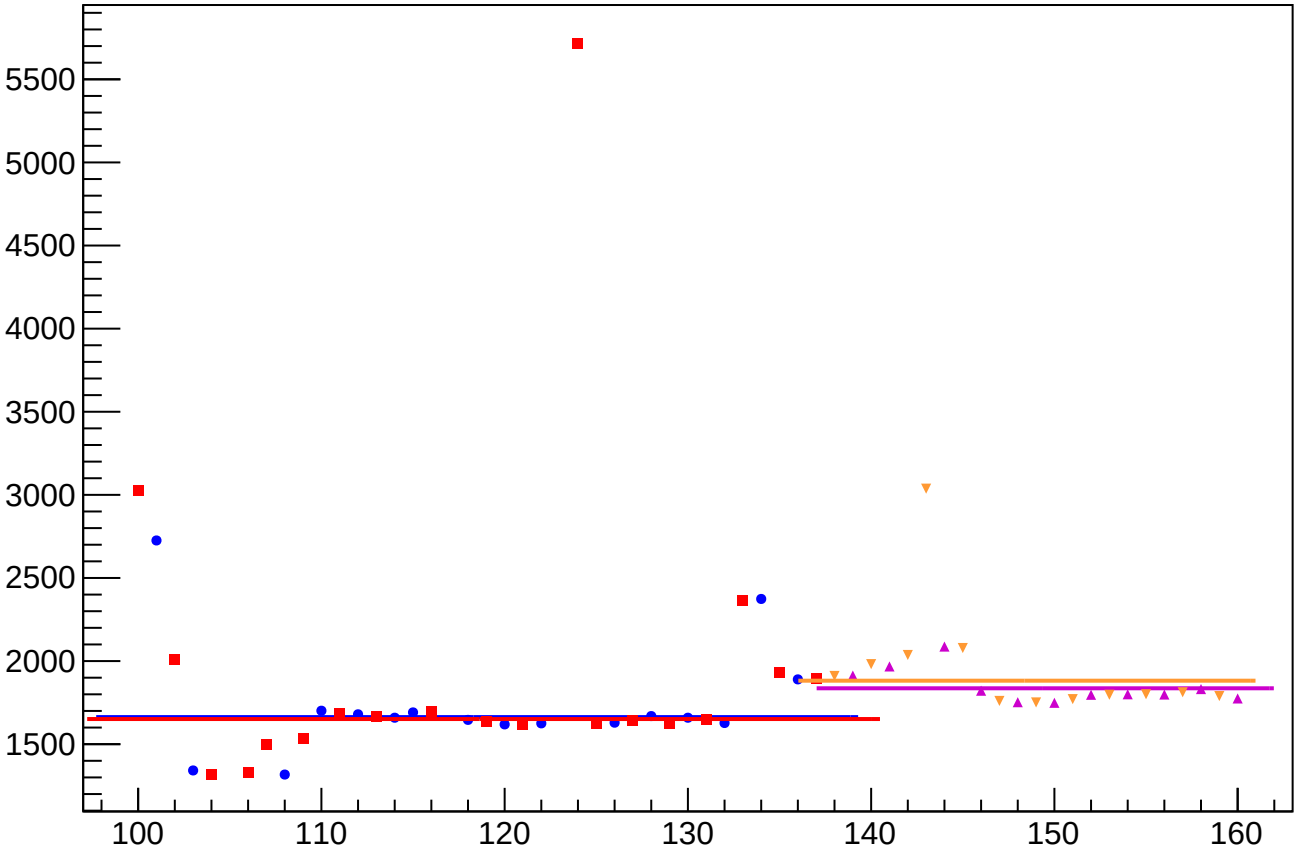
Left In: -3414.266+/-594.735 χ^2/NDF:5.6/10

+ sign 1360.412+/-438.994 χ^2/NDF: 34.9/27

All: -744.325+/-307.074 χ^2/NDF: 102.1/57

- 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: 1881.989+/-0.434 χ^2/NDF:298389.4/11

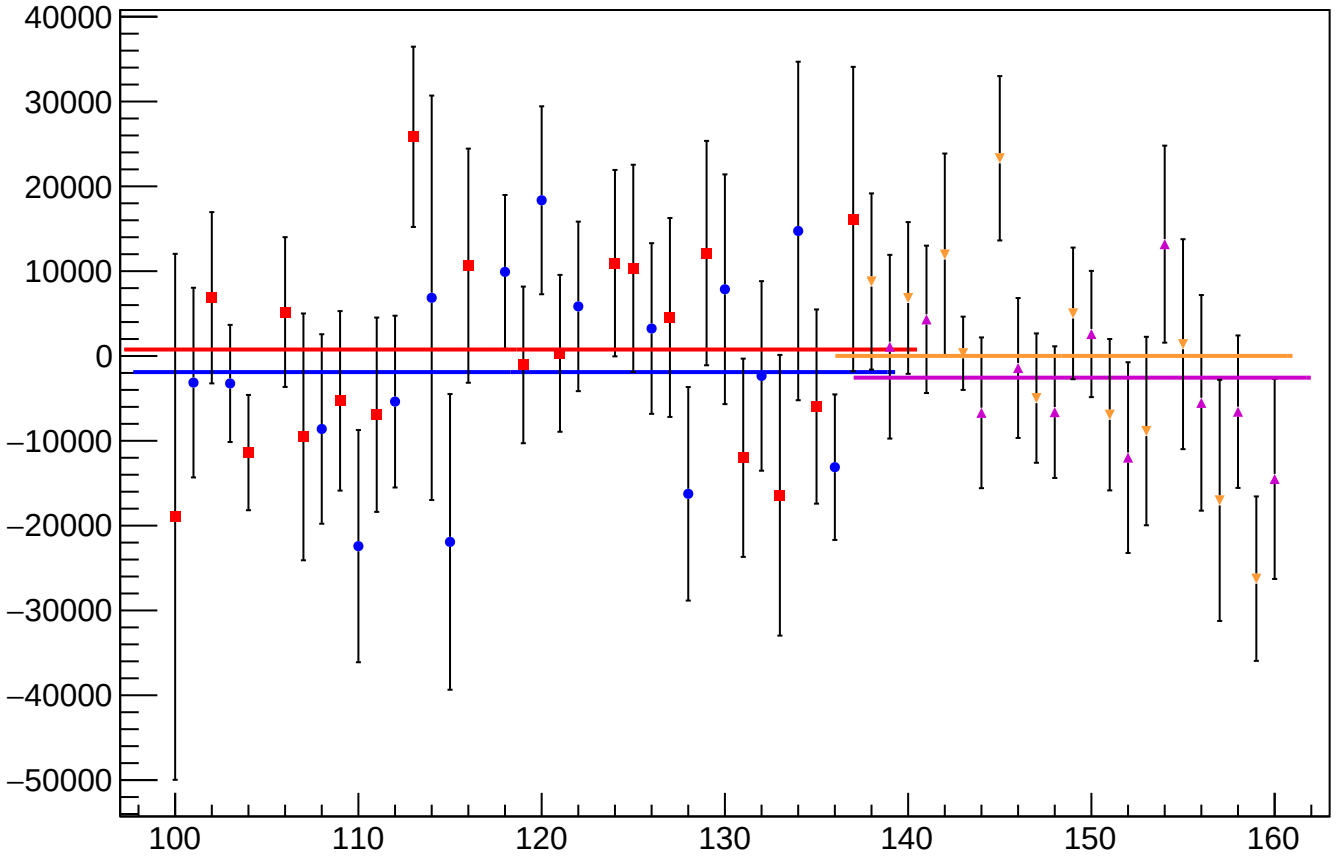
Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1836.246+/-0.421 χ^2/NDF:49299.1/10

+ sign 1774.929+/-0.310 χ^2/NDF: 838491.0/27

All: 1761.100+/-0.217 χ^2/NDF: 1416069.3/57

- sign 1747.851+/-0.304 χ^2/NDF: 573692.0/29



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 9.682+/-2427.657 χ^2/NDF:19.0/11

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

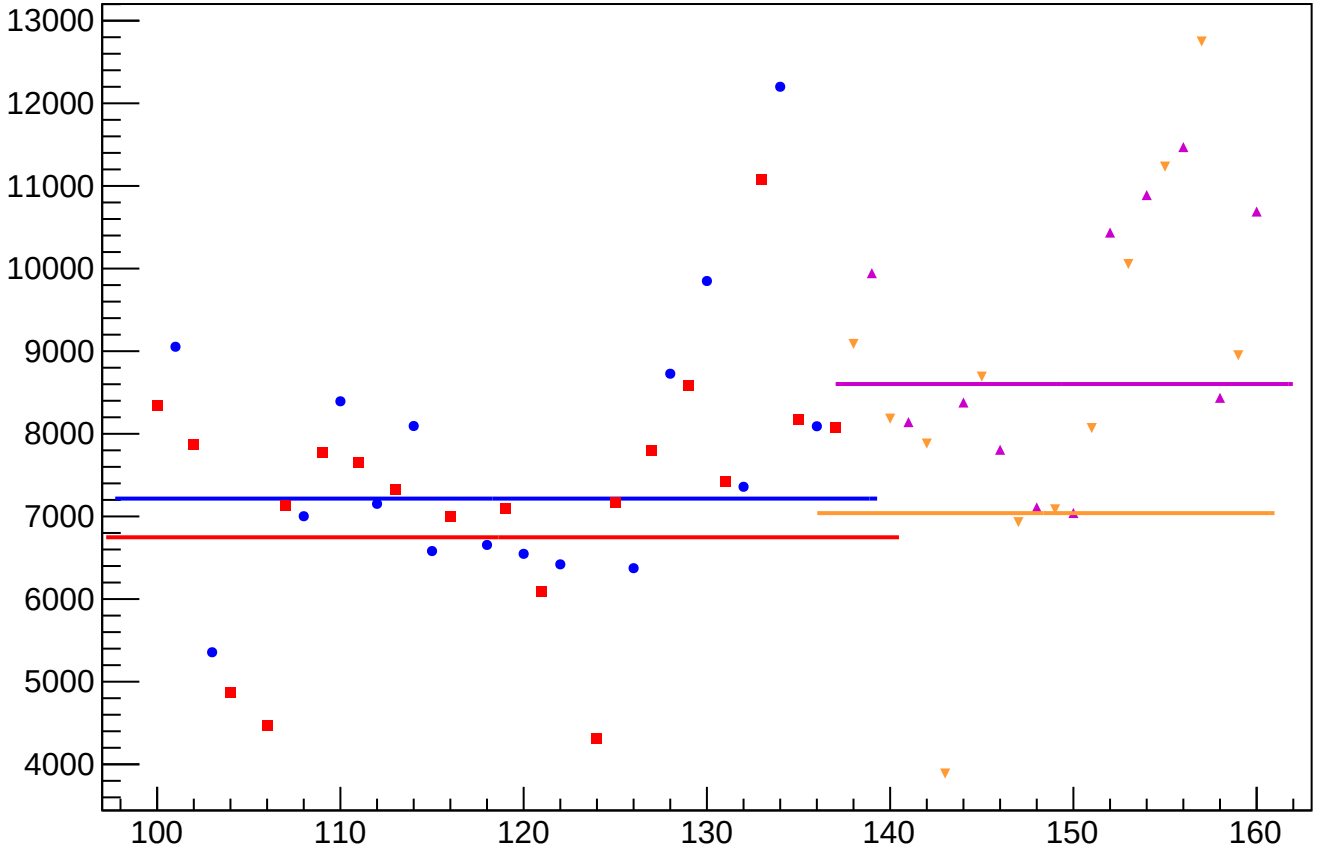
Left In: -2556.339+/-2829.731 χ^2/NDF:5.5/10

\+ sign -830.225+/-1817.038 χ^2/NDF: 33.6/27

All: -779.692+/-1311.303 χ^2/NDF: 57.2/57

\- 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: 7040.043+/-1.717 χ^2/NDF:2048121.9/11

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

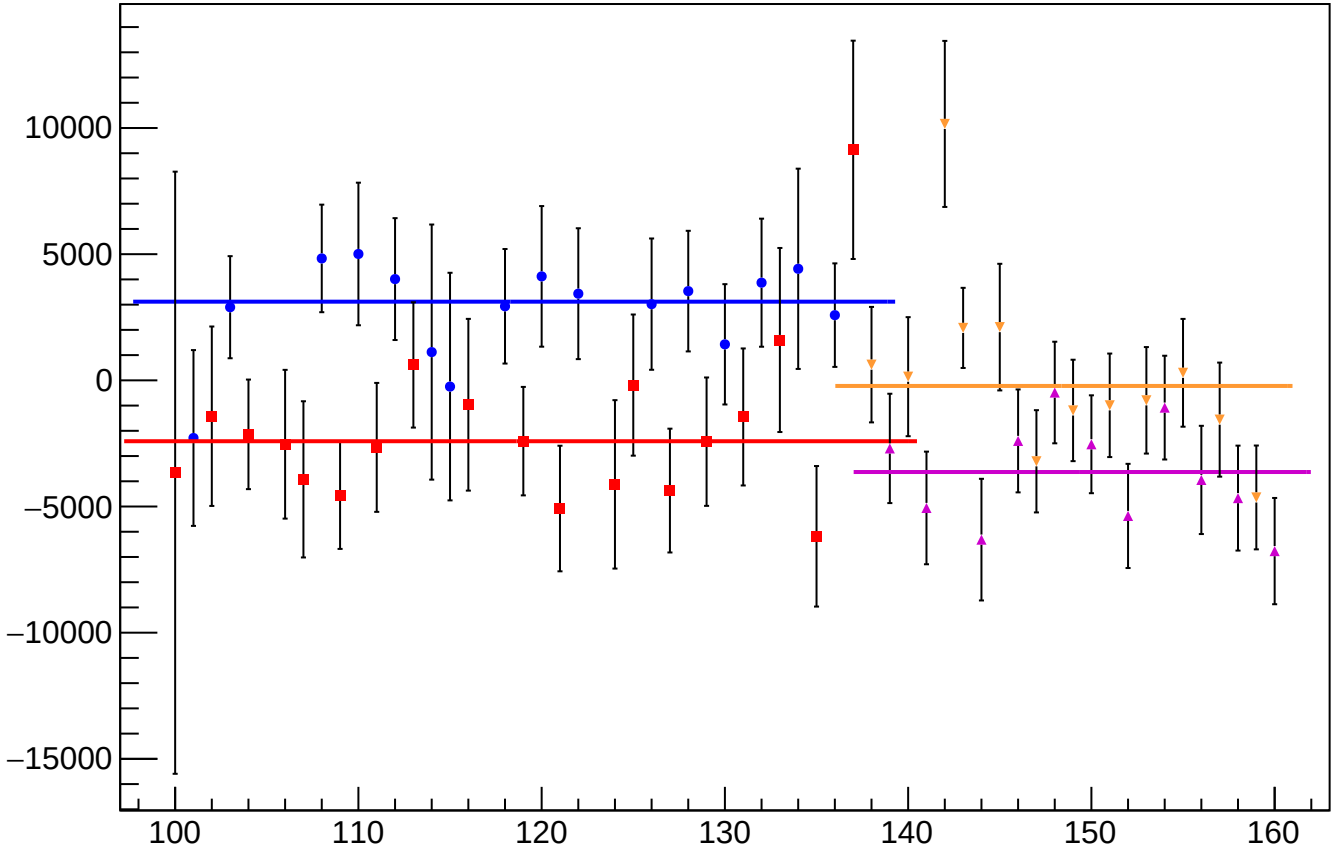
Left In: 8602.695+/-2.001 χ^2/NDF:514141.9/10

\+ sign 7117.439+/-1.285 χ^2/NDF: 2564870.5/27

All: 7338.617+/-0.927 χ^2/NDF: 4323935.6/57

\- sign 7579.003+/-1.339 χ^2/NDF: 1697224.5/29

dit_asym_at2_avg_mean vs Slug



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: -221.944+/-617.434 χ^2/NDF:20.7/11

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

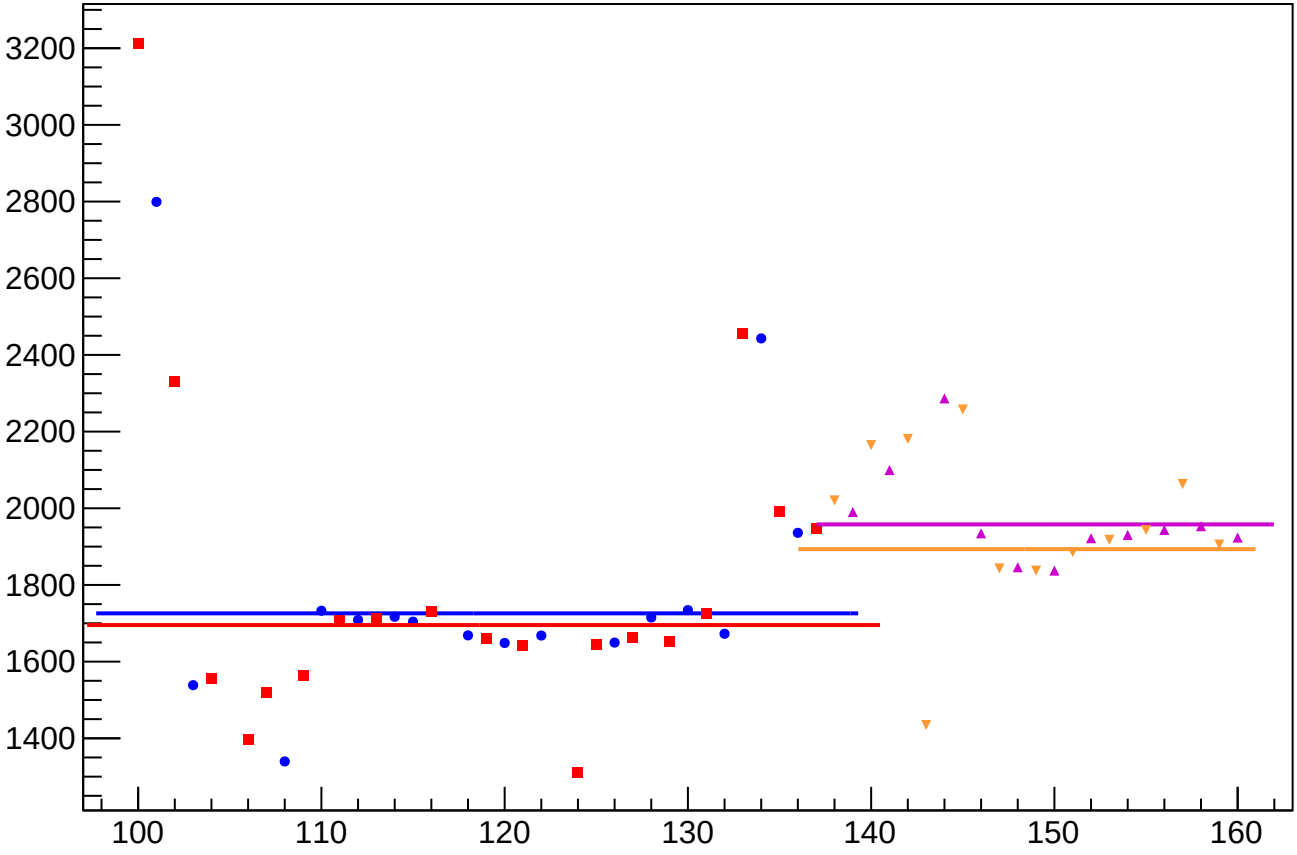
Left In: -3632.943+/-634.461 χ^2/NDF:9.7/10

+ sign 1359.345+/-448.027 χ^2/NDF: 39.9/27

All: -823.086+/-317.580 χ^2/NDF: 115.1/57

- 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: 1893.367+/-0.437 χ^2/NDF:272555.3/11

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

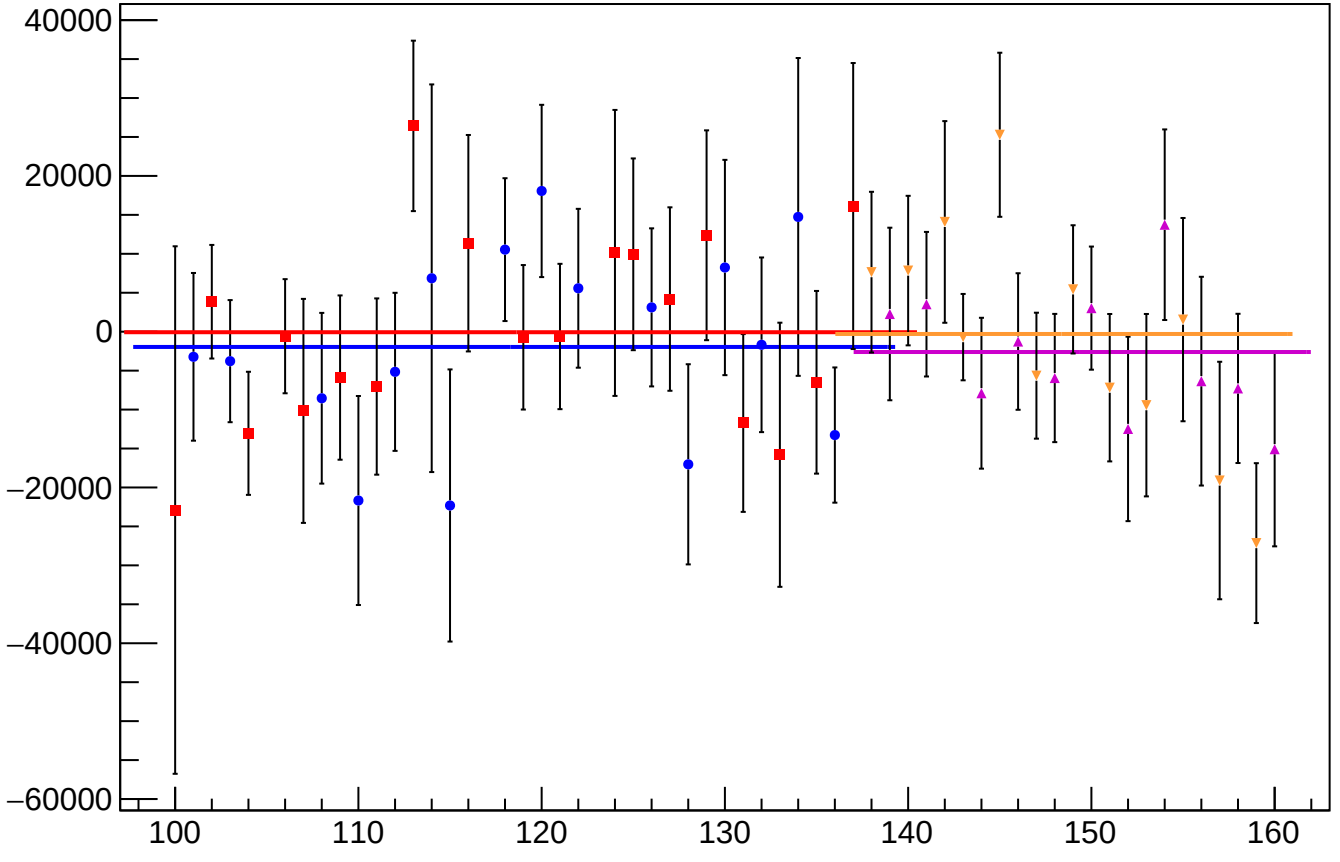
Left In: 1957.903+/-0.449 χ^2/NDF:61441.8/10

+ sign 1814.083+/-0.317 χ^2/NDF: 707847.5/27

All: 1820.777+/-0.225 χ^2/NDF: 1225846.3/57

- 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: -293.558+/-2712.139 χ^2/NDF:18.9/11

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

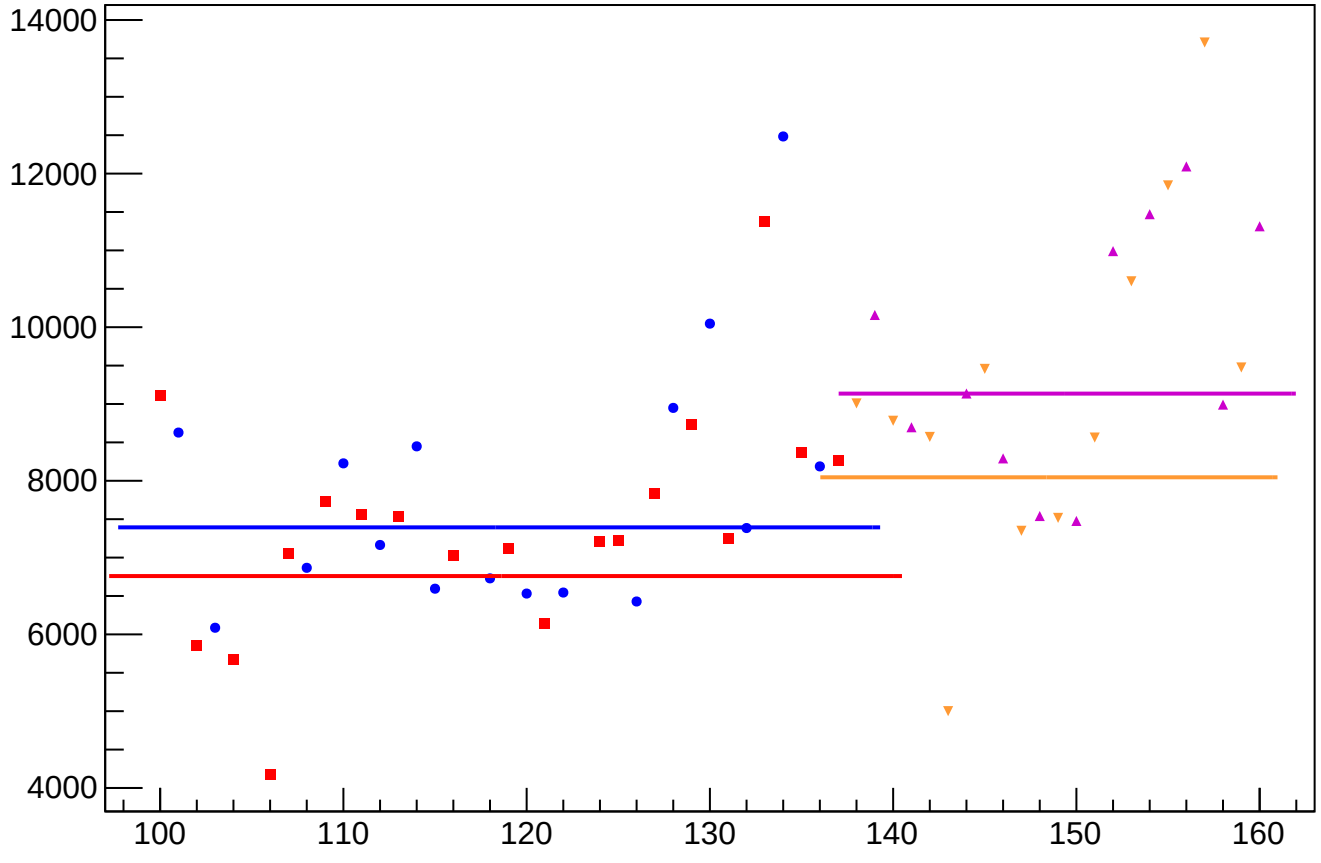
Left In: -2609.322+/-3002.783 χ^2/NDF:5.4/10

+ sign -1100.029+/-1947.523 χ^2/NDF: 33.5/27

All: -1111.559+/-1372.511 χ^2/NDF: 55.4/57

- 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: 8045.426+/-1.918 χ^2/NDF:1280217.9/11

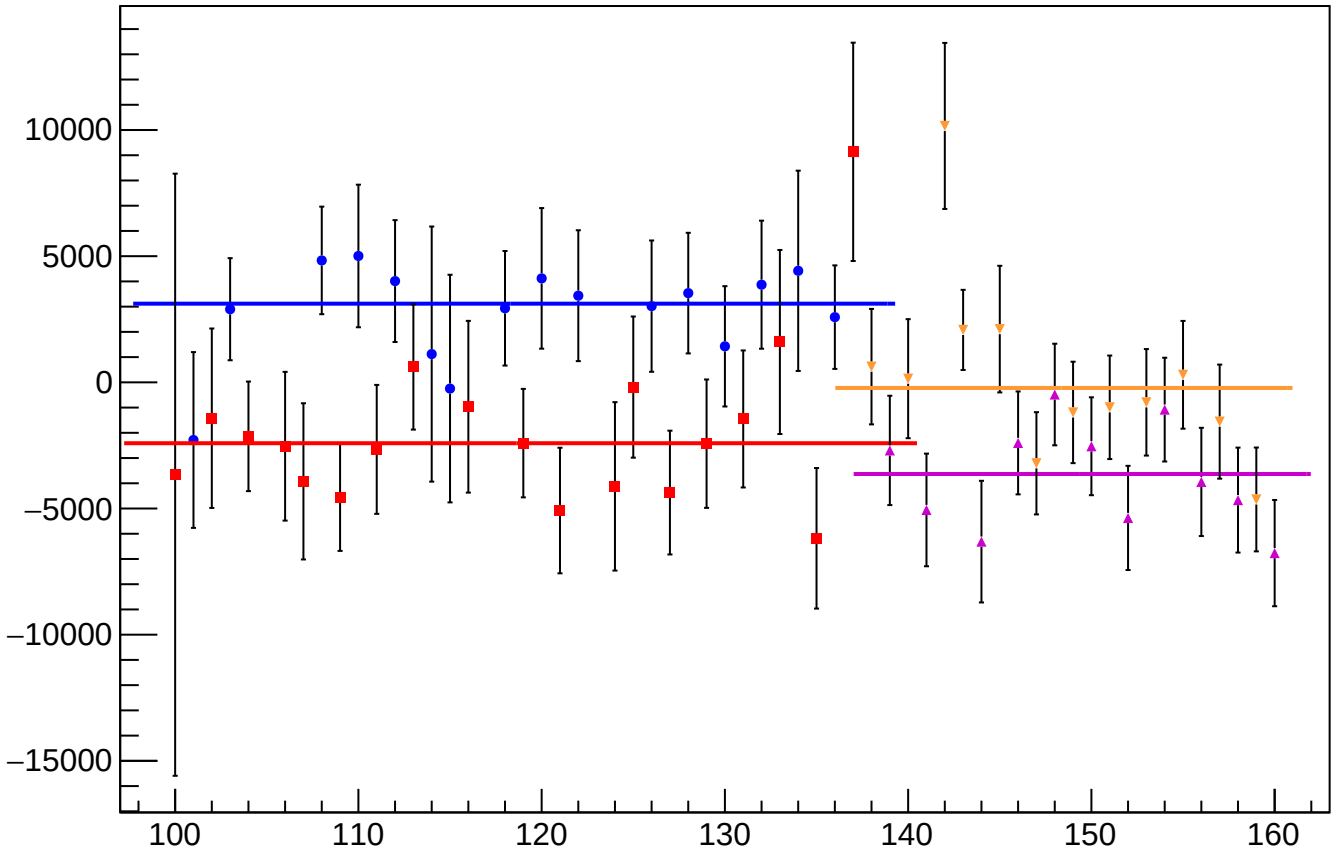
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9135.215+/-2.123 χ^2/NDF:484034.8/10

\+ sign 7729.714+/-1.377 χ^2/NDF: 1737996.4/27

All: 7737.691+/-0.971 χ^2/NDF: 3598699.6/57

\- 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: -221.954+/-617.435 χ^2/NDF:20.7/11

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

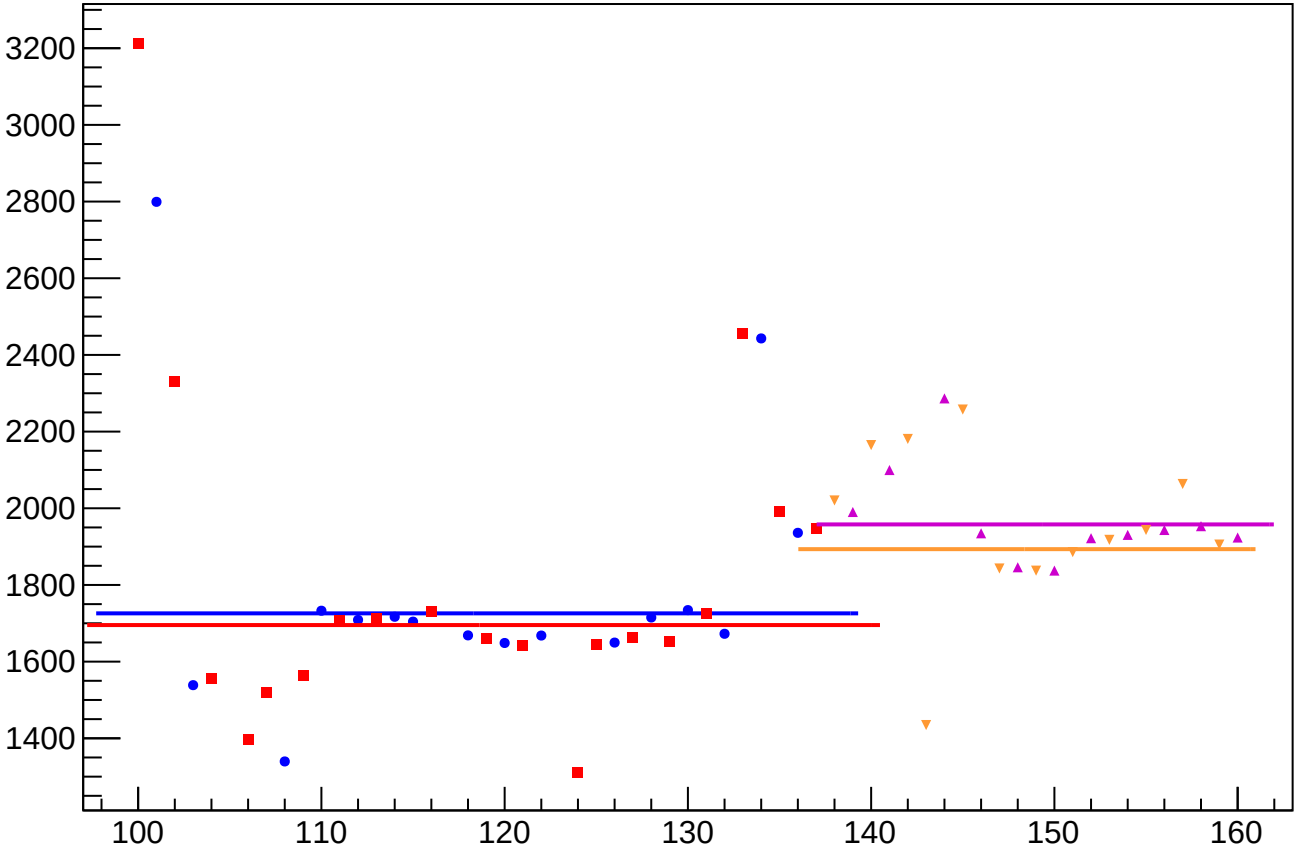
Left In: -3632.942+/-634.462 χ^2/NDF:9.7/10

+ sign 1359.344+/-448.027 χ^2/NDF: 39.9/27

All: -823.088+/-317.581 χ^2/NDF: 115.1/57

- 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: 1893.370+/-0.437 χ^2/NDF:272556.2/11

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

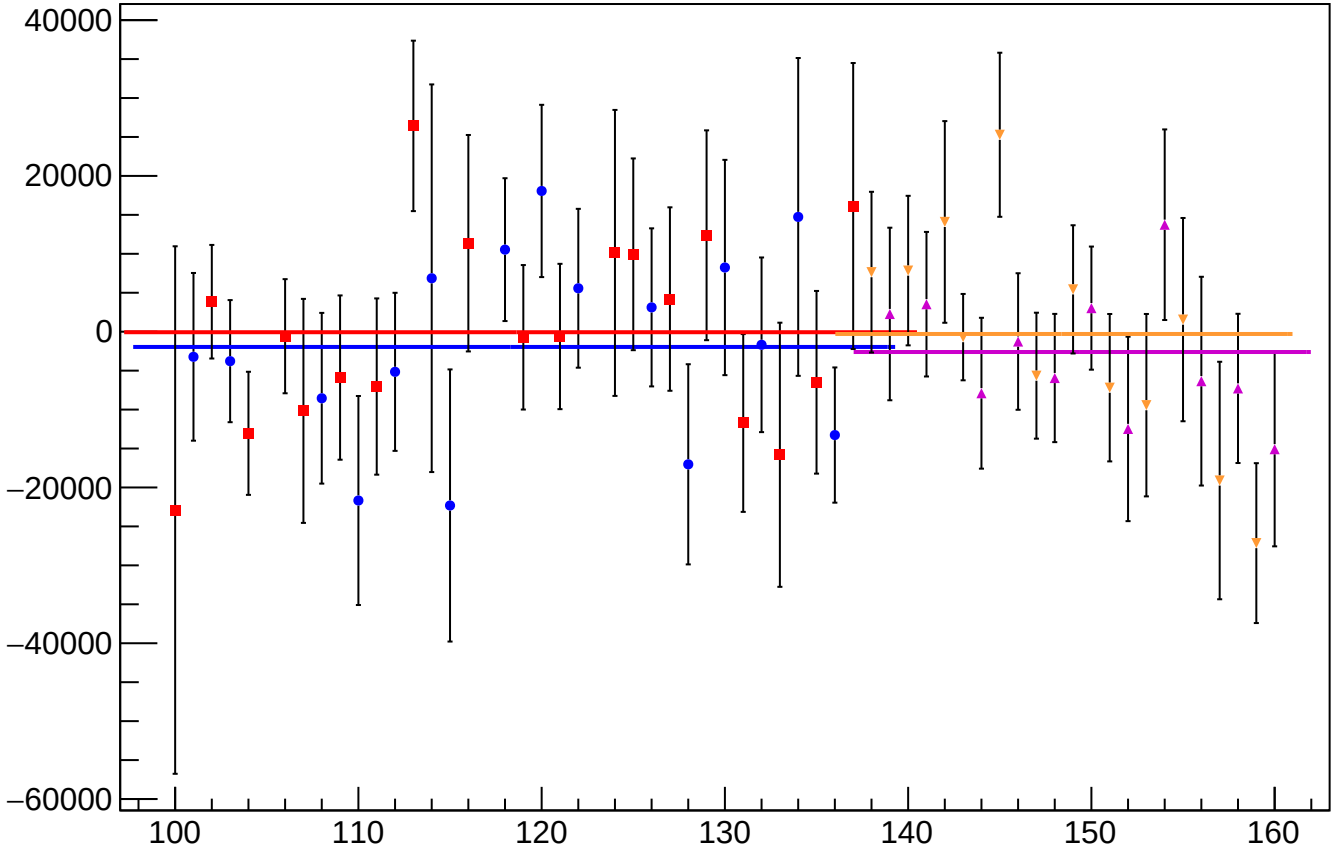
Left In: 1957.906+/-0.449 χ^2/NDF:61442.1/10

+ sign 1814.084+/-0.317 χ^2/NDF: 707851.2/27

All: 1820.779+/-0.225 χ^2/NDF: 1225854.8/57

- 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: -293.569+/-2712.143 χ^2/NDF:18.9/11

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

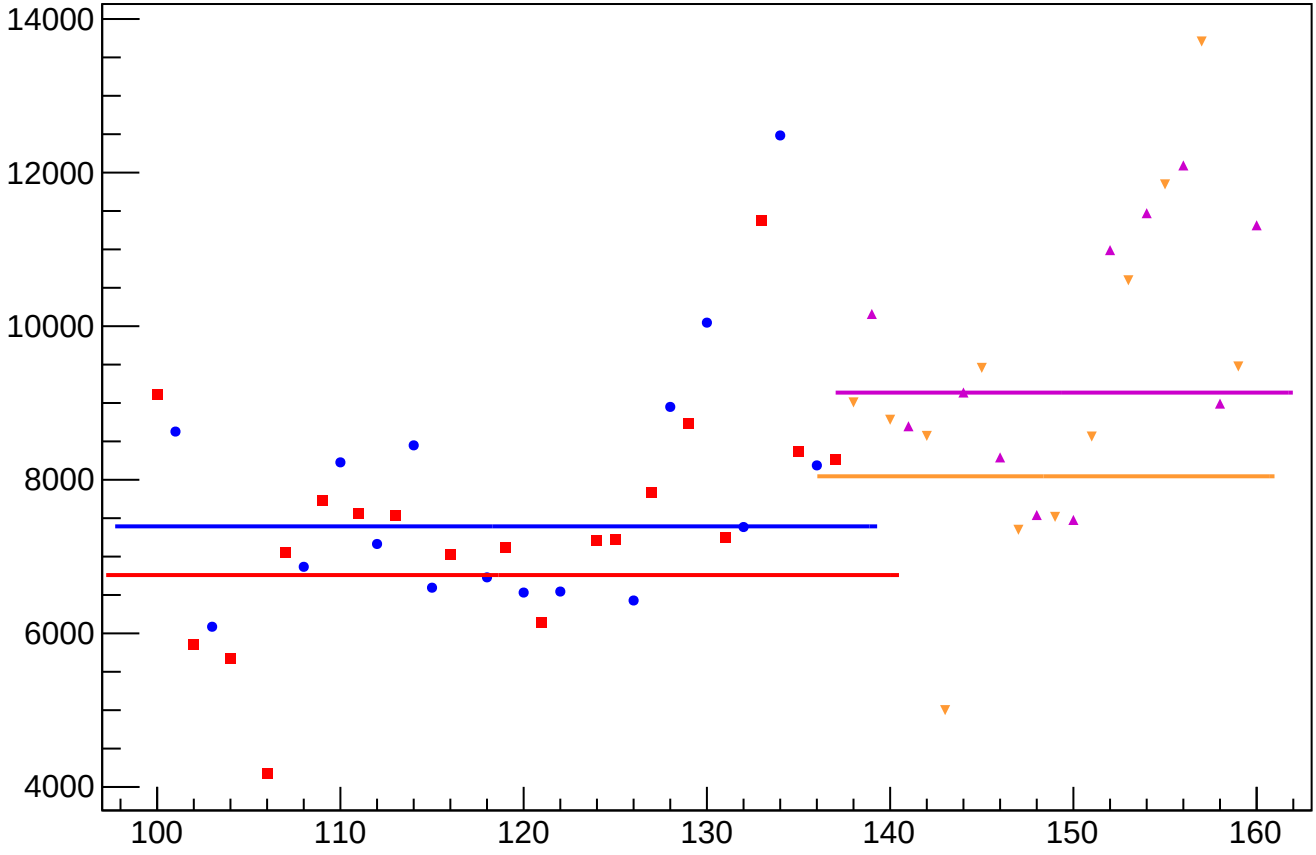
Left In: -2609.322+/-3002.787 χ^2/NDF:5.4/10

+ sign -1100.027+/-1947.522 χ^2/NDF: 33.5/27

All: -1111.558+/-1372.510 χ^2/NDF: 55.4/57

- 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: 8045.438+/-1.918 χ^2/NDF:1280217.1/11

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

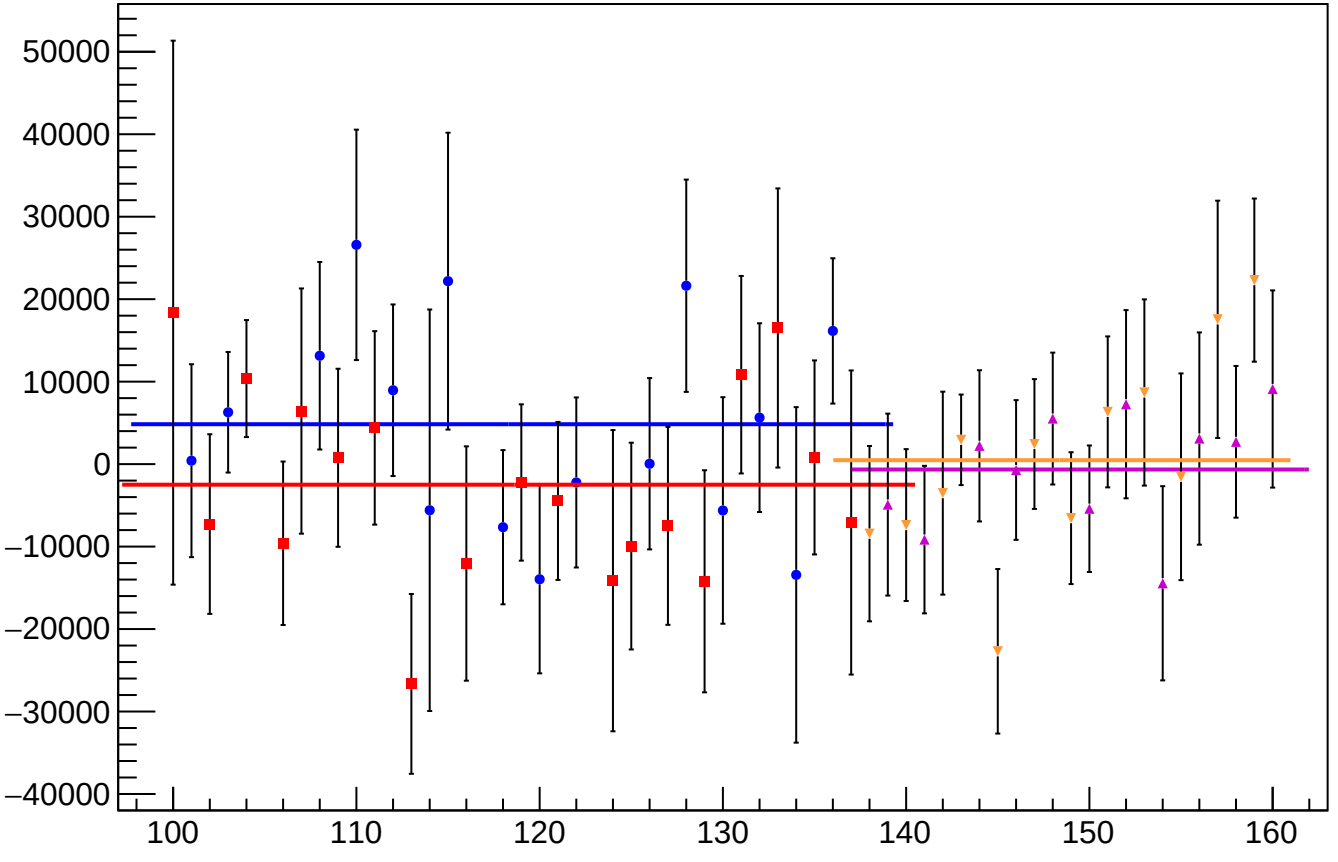
Left In: 9135.226+/-2.123 χ^2/NDF:484035.1/10

\+ sign 7729.711+/-1.377 χ^2/NDF: 1738002.9/27

All: 7737.686+/-0.971 χ^2/NDF: 3598721.5/57

\- sign 7745.556+/-1.368 χ^2/NDF: 1860652.0/29

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 475.474+/-2640.098 χ^2/NDF:15.2/11

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

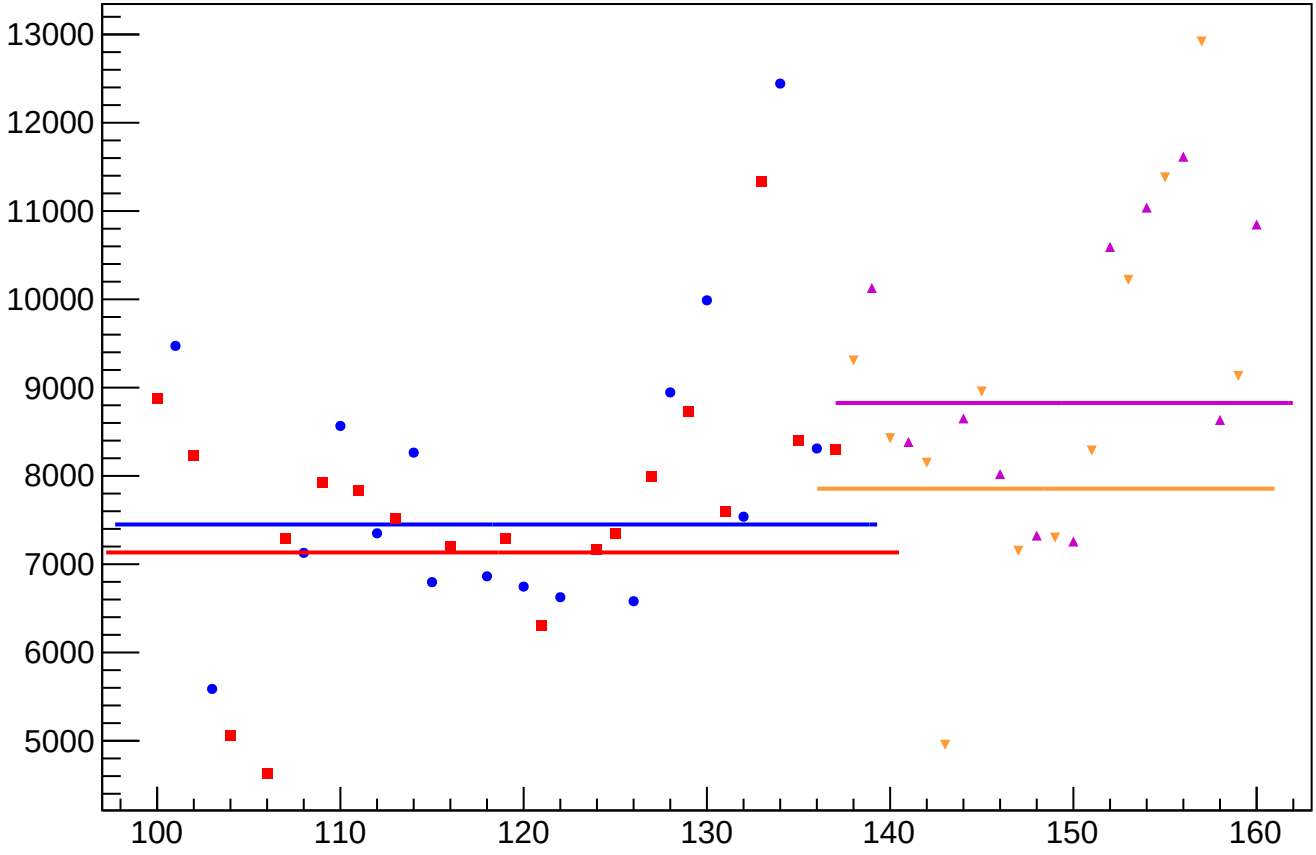
Left In: -654.575+/-2899.594 χ^2/NDF:4.9/10

+ sign 2506.215+/-1930.134 χ^2/NDF: 30.8/27

All: 478.819+/-1380.137 χ^2/NDF: 53.1/57

- 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: 7855.304+/-1.867 χ^2/NDF:1186094.3/11

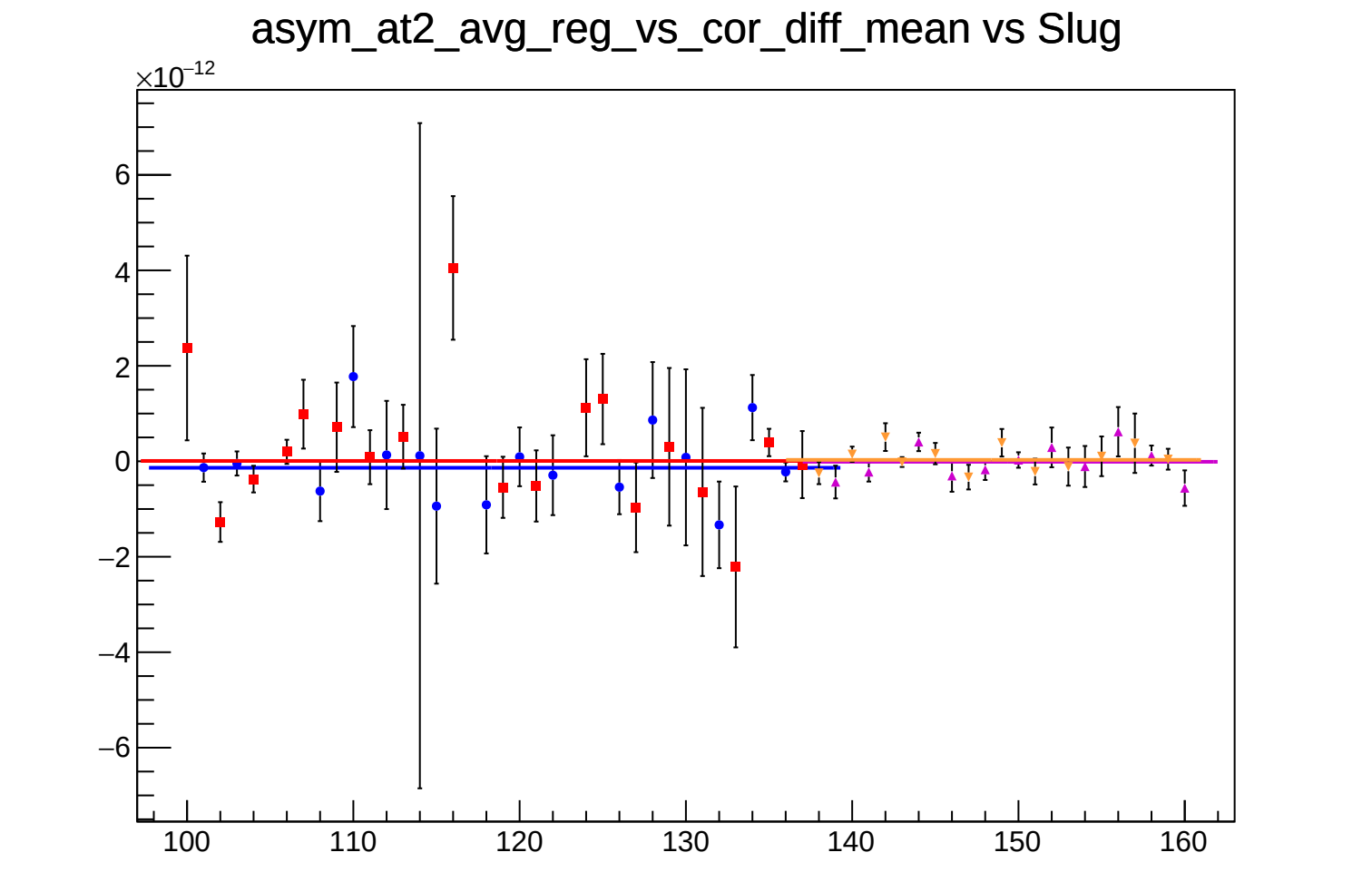
Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8826.374+/-2.050 χ^2/NDF:476385.9/10

\+ sign 7666.620+/-1.365 χ^2/NDF: 1694466.3/27

All: 7789.481+/-0.976 χ^2/NDF: 3110306.4/57

\- 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:10.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

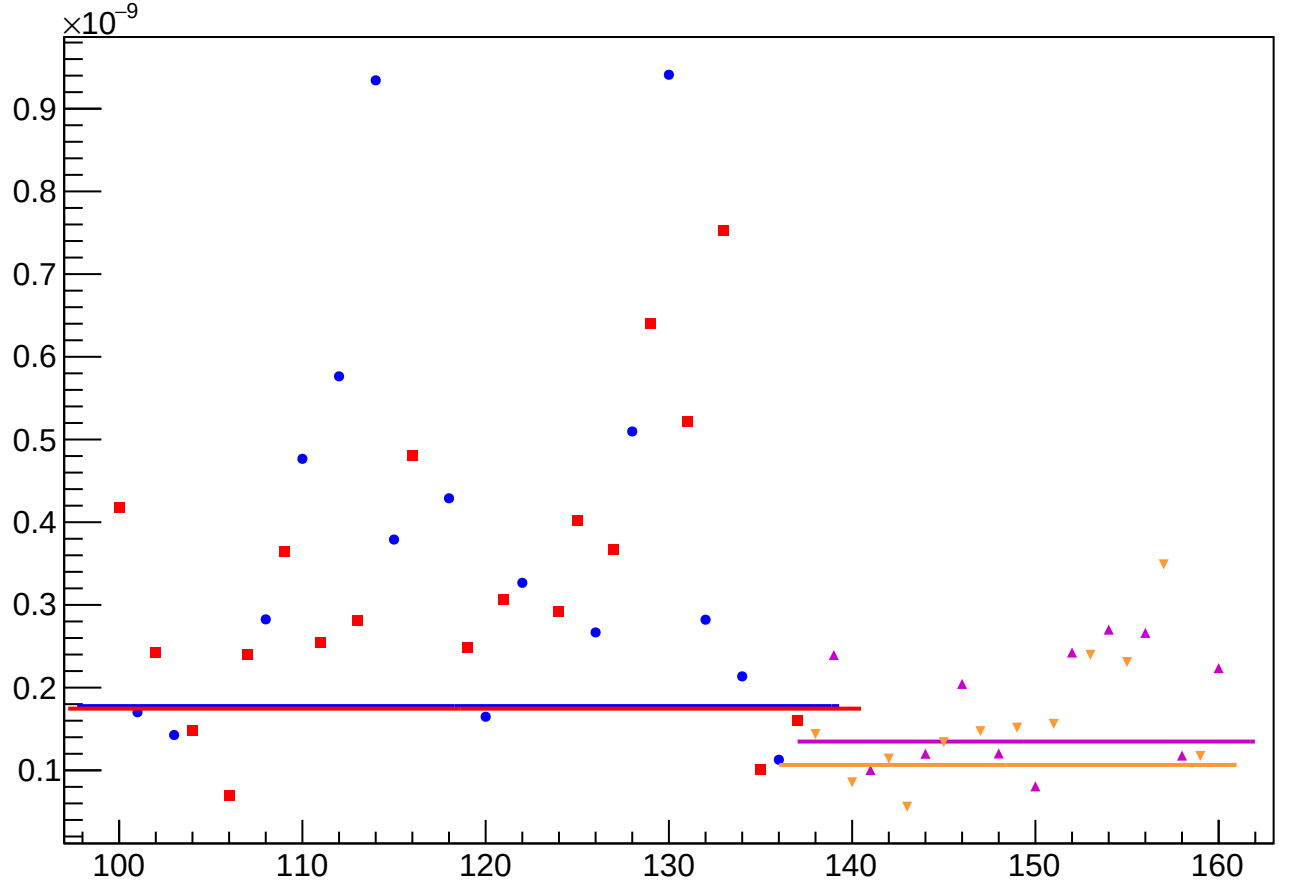
Left In: -0.000+/-0.000 χ^2/NDF:13.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/27

All: -0.000+/-0.000 χ^2/NDF: 69.2/57

- sign -0.000+/-0.000 χ^2/NDF: 46.1/29

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1471857.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

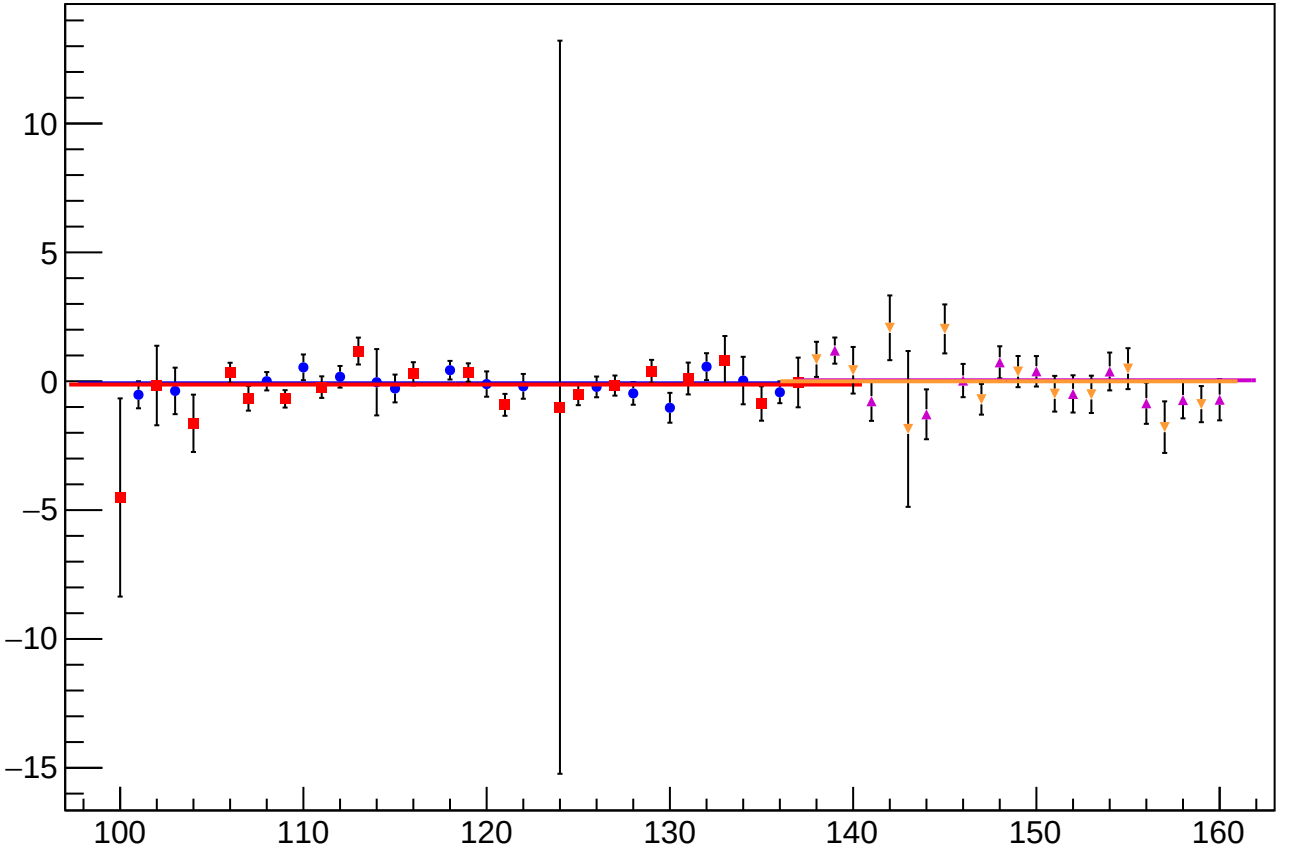
Left In: 0.000+/-0.000 χ^2/NDF:1165588.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 3557686.8/27

All: 0.000+/-0.000 χ^2/NDF: 6678684.4/57

- sign 0.000+/-0.000 χ^2/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: -0.001+/-0.227 χ^2/NDF:17.3/11

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

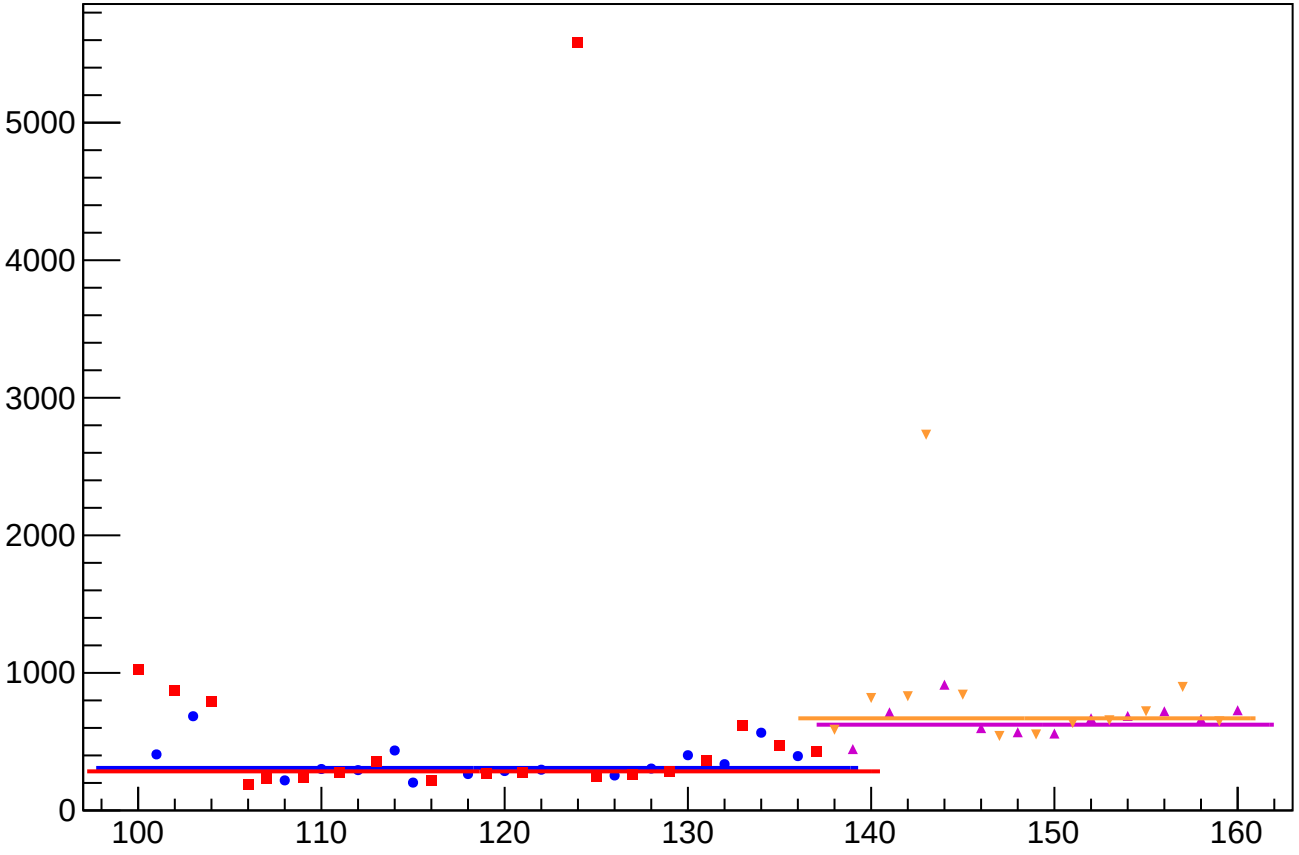
Left In: 0.037+/-0.207 χ^2/NDF:13.8/10

+ sign -0.062+/-0.107 χ^2/NDF: 28.2/27

All: -0.076+/-0.074 χ^2/NDF: 67.8/57

- 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: 669.736+/-0.161 χ^2/NDF:1399112.3/11

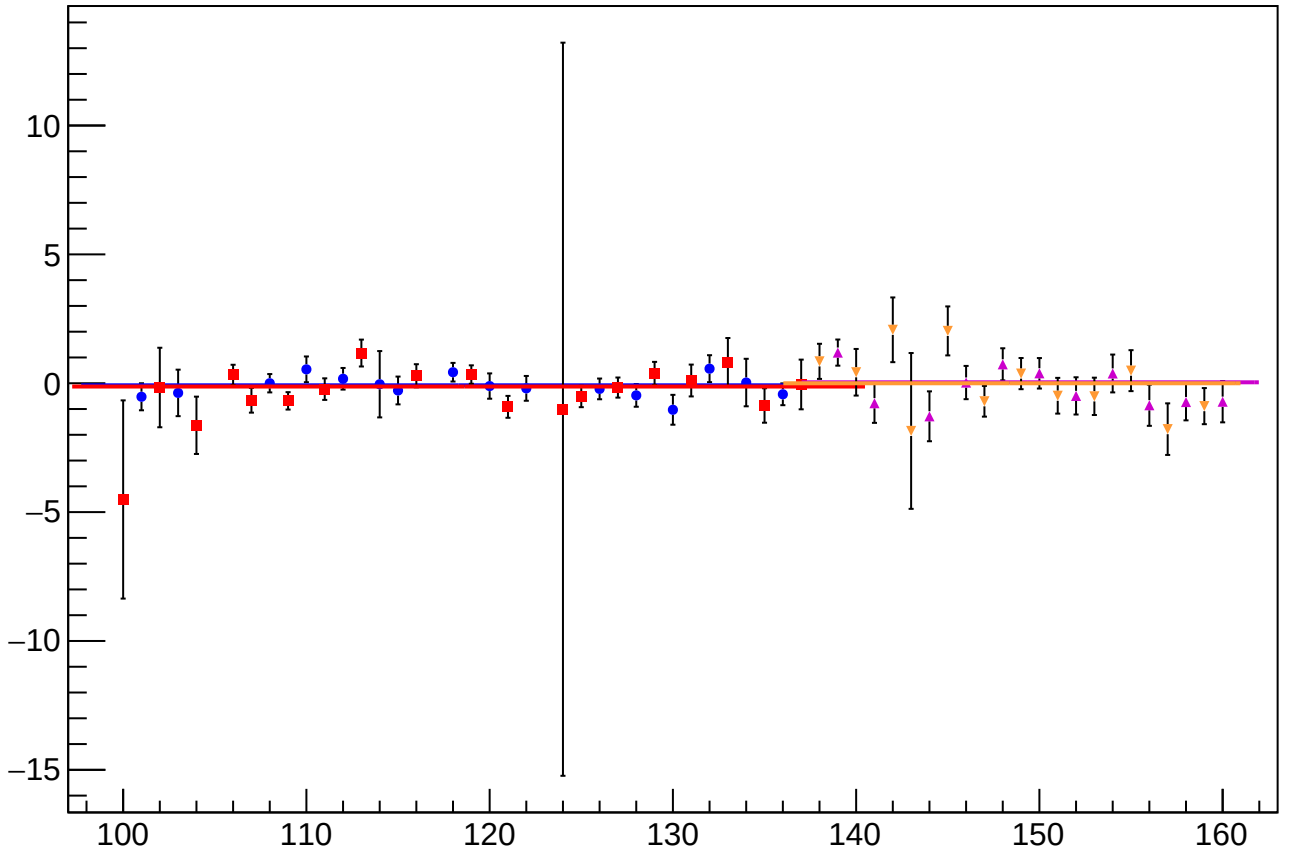
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 623.494+/-0.146 χ^2/NDF:588585.2/10

+ sign 389.685+/-0.076 χ^2/NDF: 6327798.1/27

All: 377.410+/-0.052 χ^2/NDF: 12903461.4/57

- sign 366.386+/-0.072 χ^2/NDF: 6526065.9/29



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.001+/-0.227 χ^2/NDF:17.3/11

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

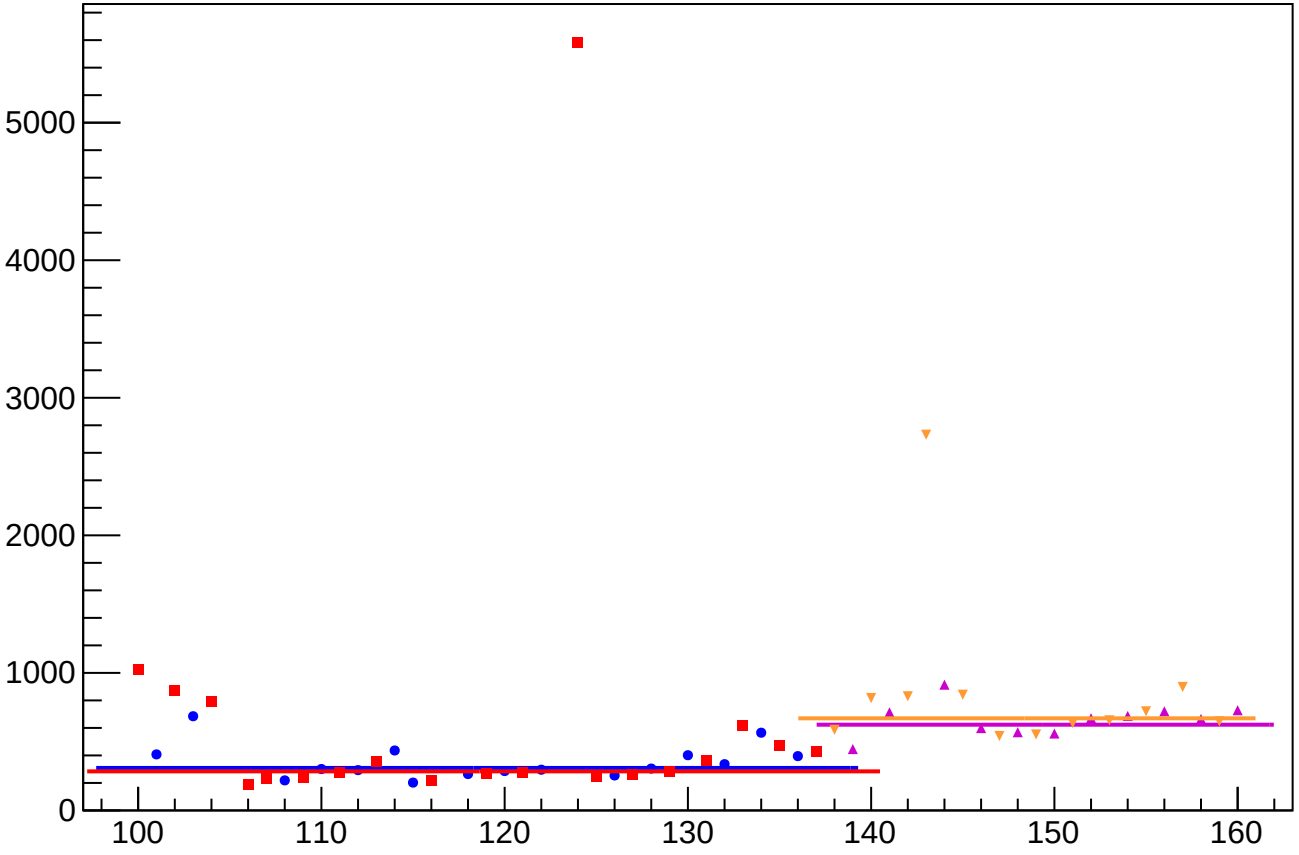
Left In: 0.037+/-0.207 χ^2/NDF:13.8/10

+ sign -0.062+/-0.107 χ^2/NDF: 28.2/27

All: -0.076+/-0.074 χ^2/NDF: 67.8/57

- 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: 669.736+/-0.161 χ^2/NDF:1399112.3/11

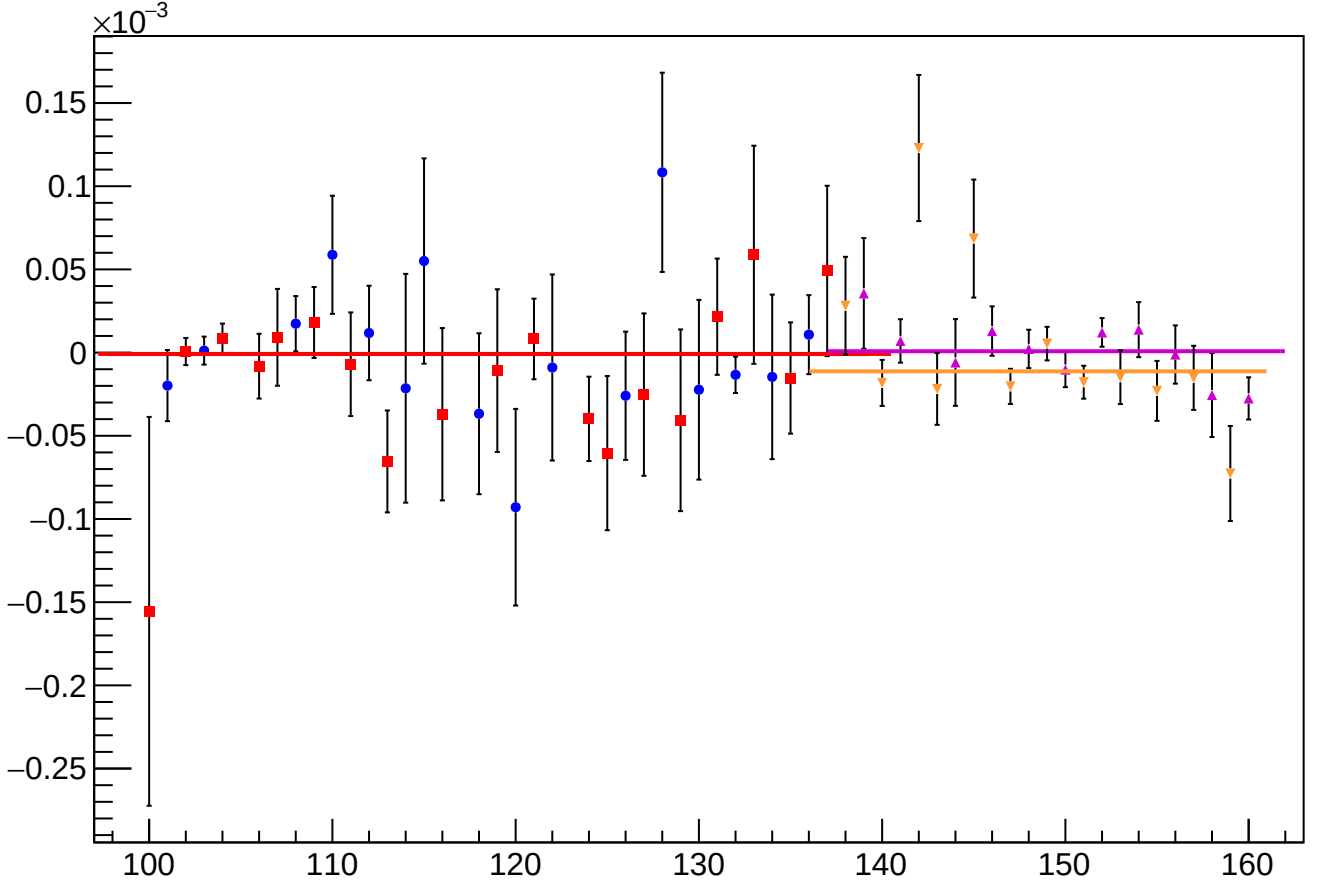
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 623.494+/-0.146 χ^2/NDF:588585.2/10

+ sign 389.685+/-0.076 χ^2/NDF: 6327798.1/27

All: 377.410+/-0.052 χ^2/NDF: 12903461.4/57

- 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:25.7/11

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

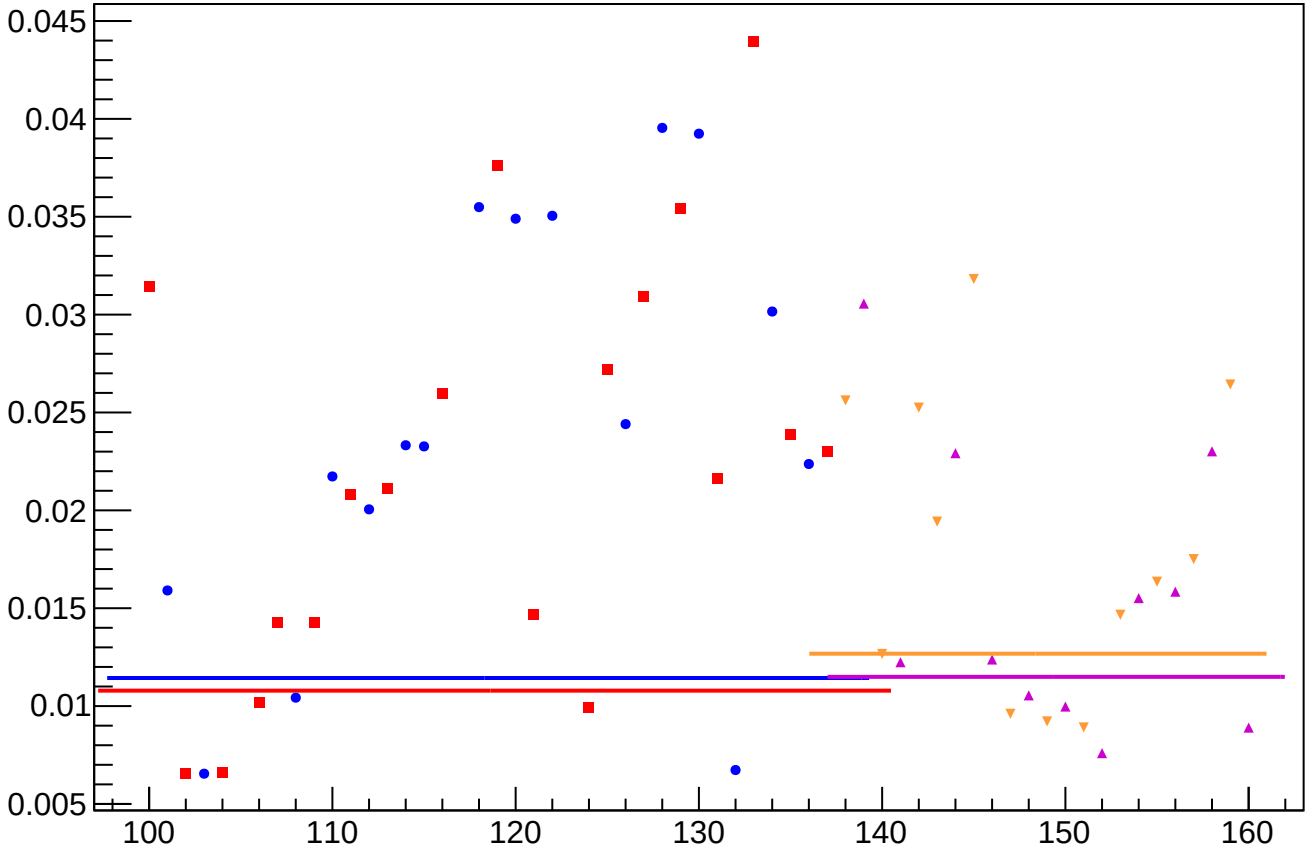
Left In: 0.000+/-0.000 χ^2/NDF:11.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 42.5/27

All: -0.000+/-0.000 χ^2/NDF: 72.6/57

- sign 0.000+/-0.000 χ^2/NDF: 27.8/29

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:2726797.8/11

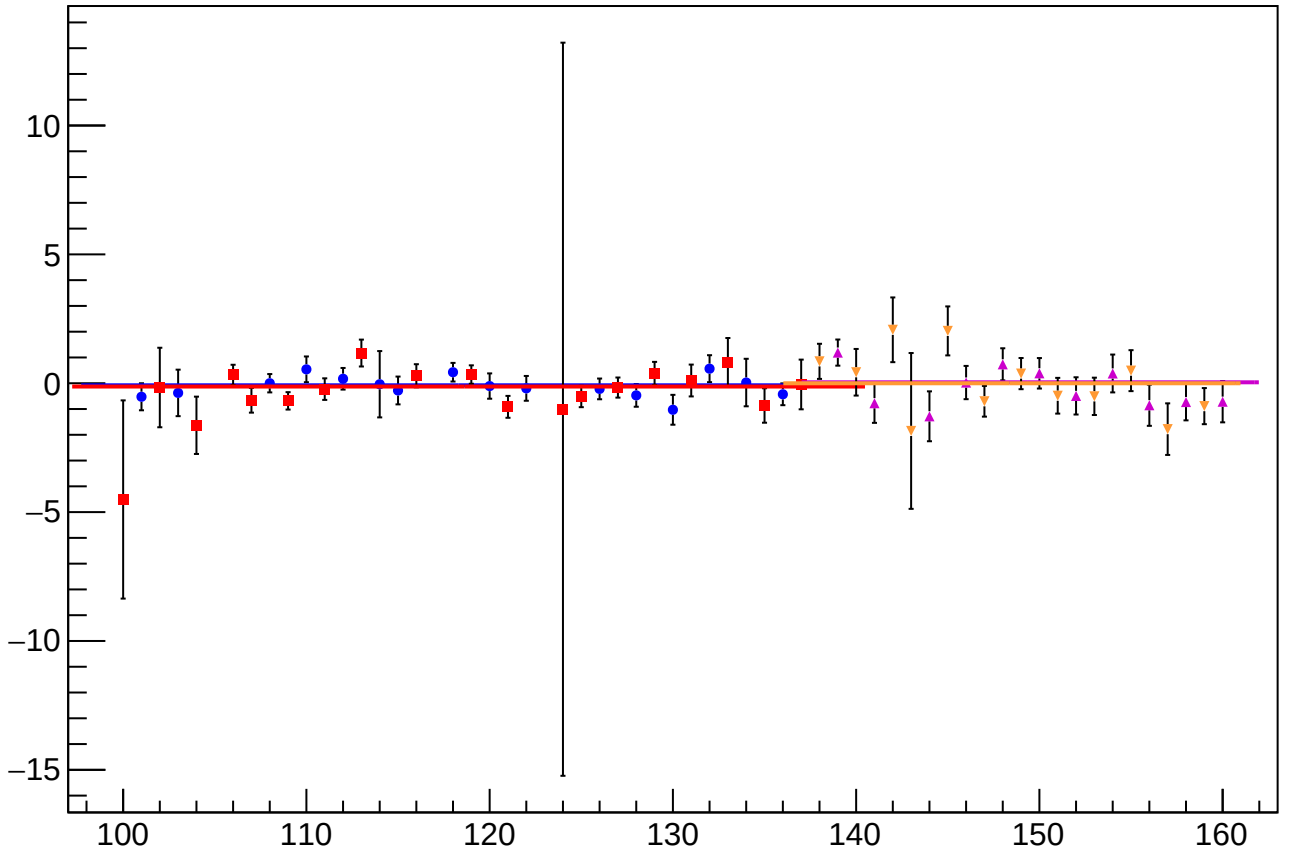
Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.011+/-0.000 χ^2/NDF:2263134.6/10

+ sign 0.012+/-0.000 χ^2/NDF: 7490445.1/27

All: 0.012+/-0.000 χ^2/NDF: 14337569.4/57

- sign 0.011+/-0.000 χ^2/NDF: 6761115.8/29



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.001+/-0.227 χ^2/NDF:17.3/11

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

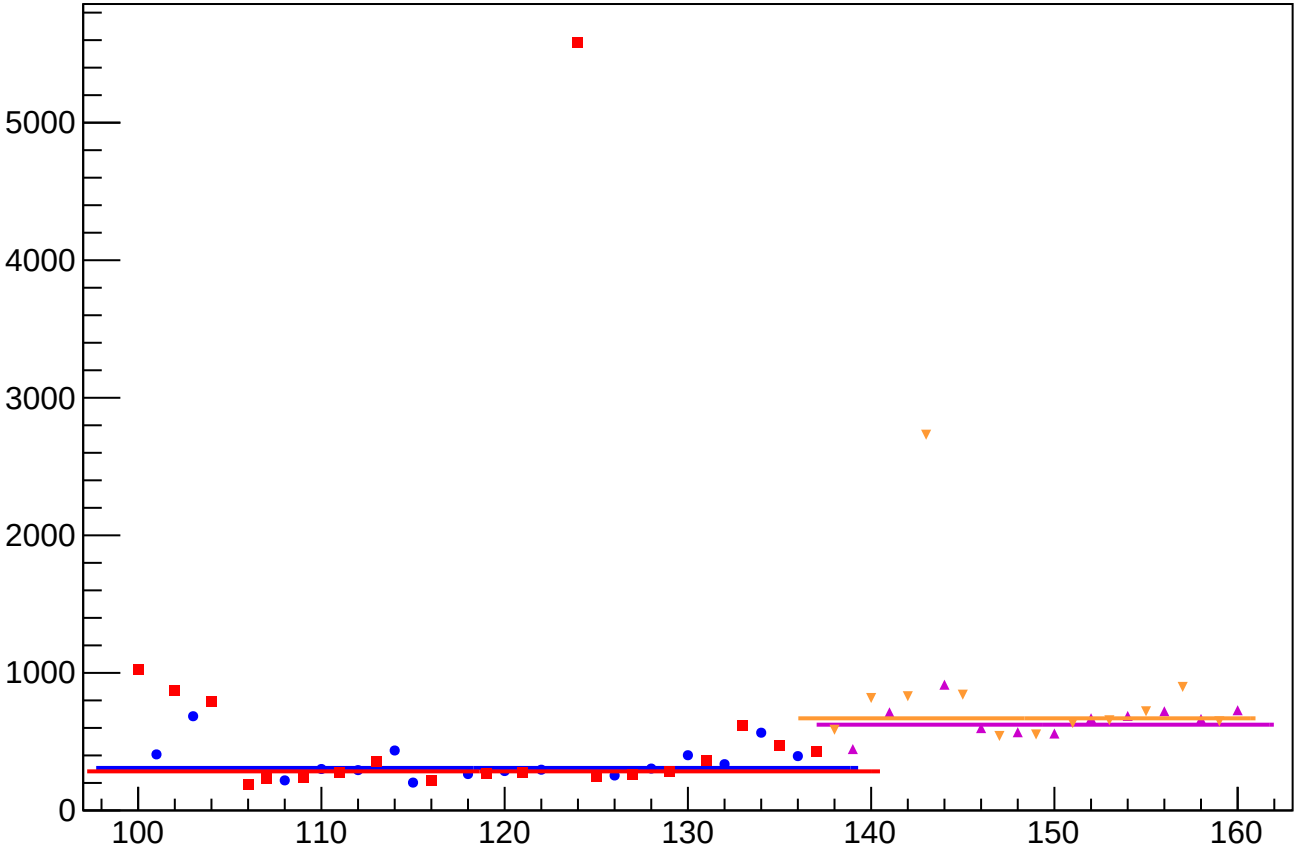
Left In: 0.037+/-0.207 χ^2/NDF:13.8/10

+ sign -0.062+/-0.107 χ^2/NDF: 28.2/27

All: -0.076+/-0.074 χ^2/NDF: 67.8/57

- 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: 669.744+/-0.161 χ^2/NDF:1399114.8/11

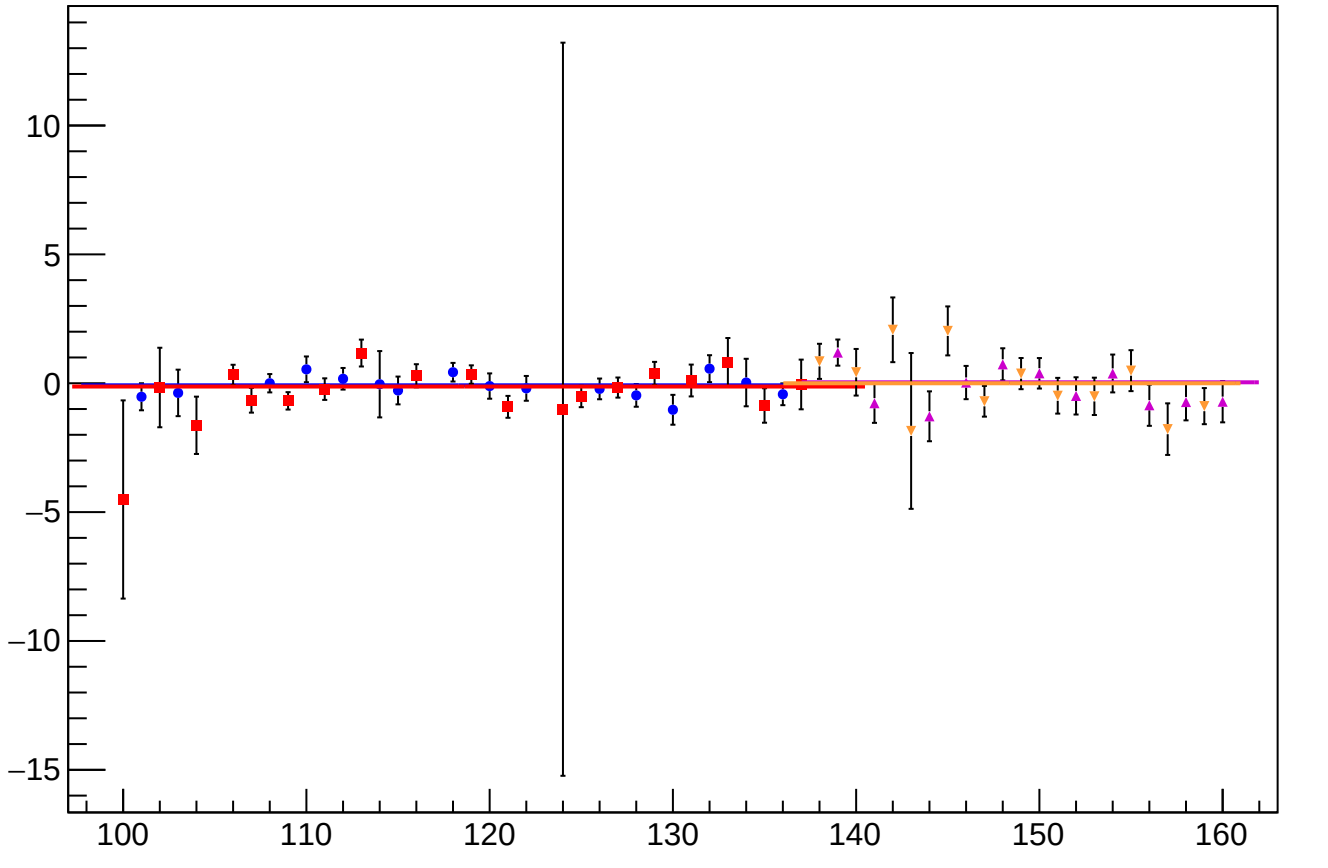
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 623.503+/-0.146 χ^2/NDF:588567.9/10

+ sign 389.684+/-0.076 χ^2/NDF: 6327891.5/27

All: 377.409+/-0.052 χ^2/NDF: 12903667.1/57

- 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: -0.001+/-0.227 χ^2/NDF:17.3/11

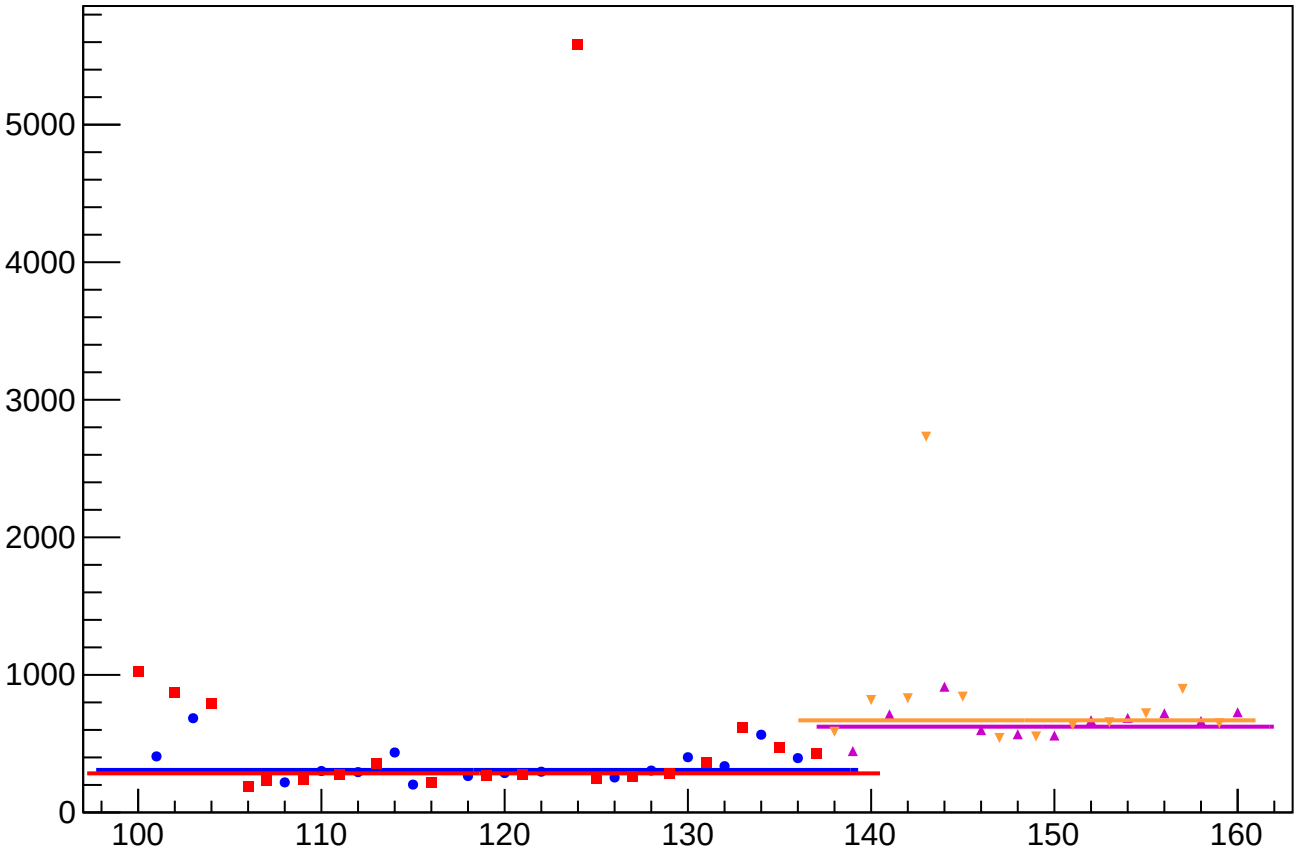
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.037+/-0.207 χ^2/NDF:13.8/10

+ sign -0.062+/-0.107 χ^2/NDF: 28.2/27

All: -0.076+/-0.074 χ^2/NDF: 67.8/57

- 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: 669.744+/-0.161 χ^2/NDF:1399114.8/11

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

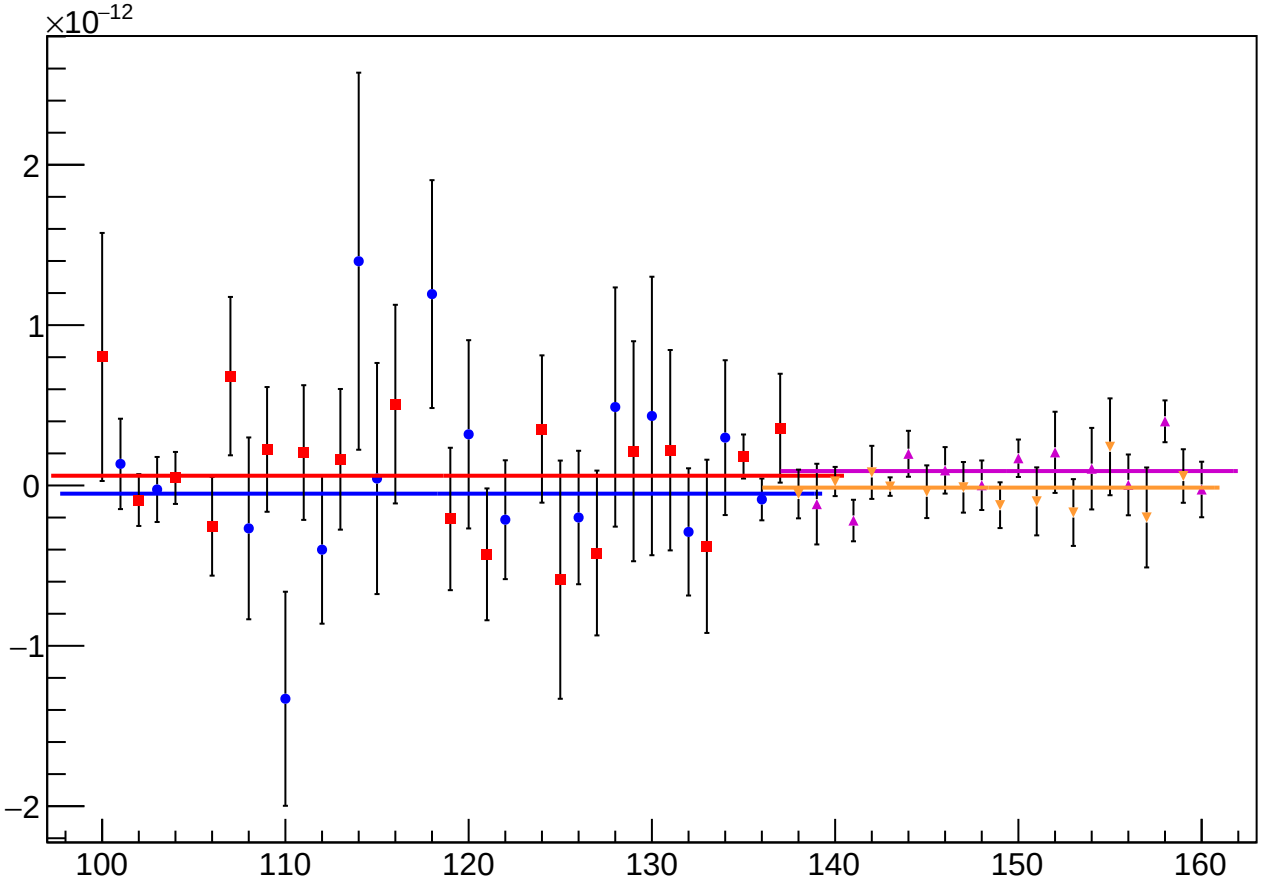
Left In: 623.503+/-0.146 χ^2/NDF:588567.9/10

+ sign 389.684+/-0.076 χ^2/NDF: 6327891.5/27

All: 377.409+/-0.052 χ^2/NDF: 12903667.1/57

- sign 366.386+/-0.072 χ^2/NDF: 6526179.5/29

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

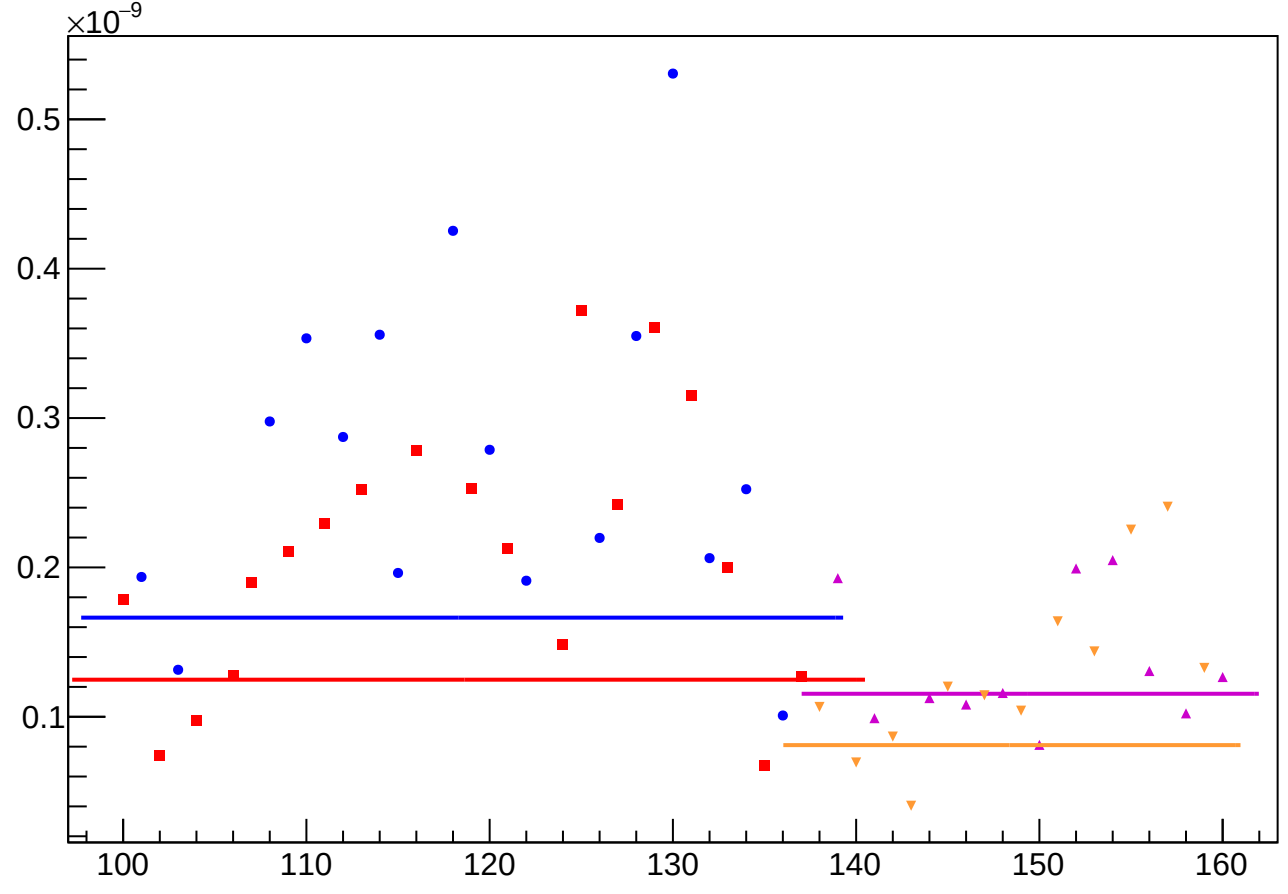
Left In: 0.000+/-0.000 χ^2/NDF:14.2/10

+ sign -0.000+/-0.000 χ^2/NDF: 15.3/27

All: 0.000+/-0.000 χ^2/NDF: 44.8/57

- sign 0.000+/-0.000 χ^2/NDF: 25.8/29

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2996415.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

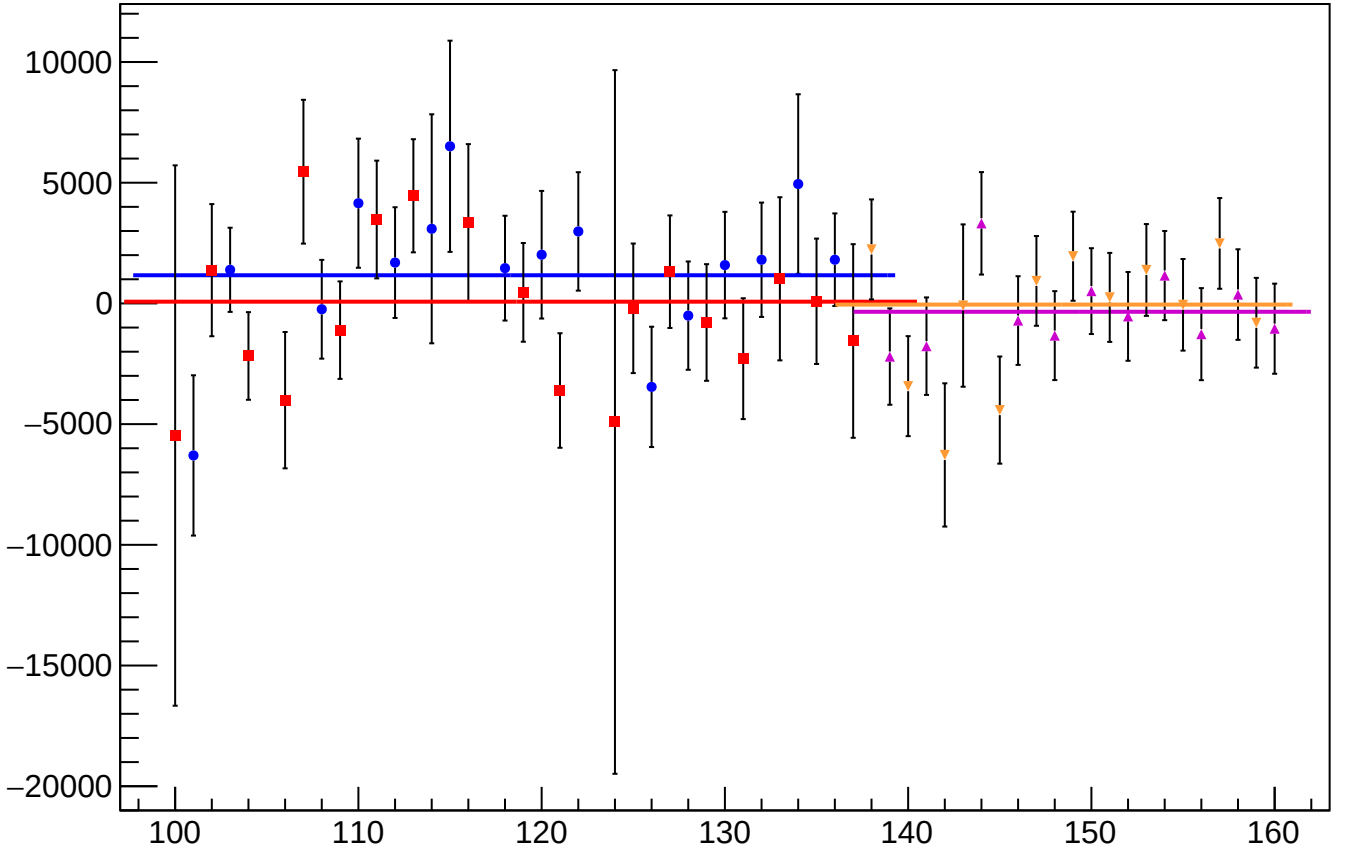
Left In: 0.000+/-0.000 χ^2/NDF:907415.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 6693604.0/27

All: 0.000+/-0.000 χ^2/NDF: 10247564.2/57

- 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: -47.996+/-589.672 χ^2/NDF:16.2/11

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

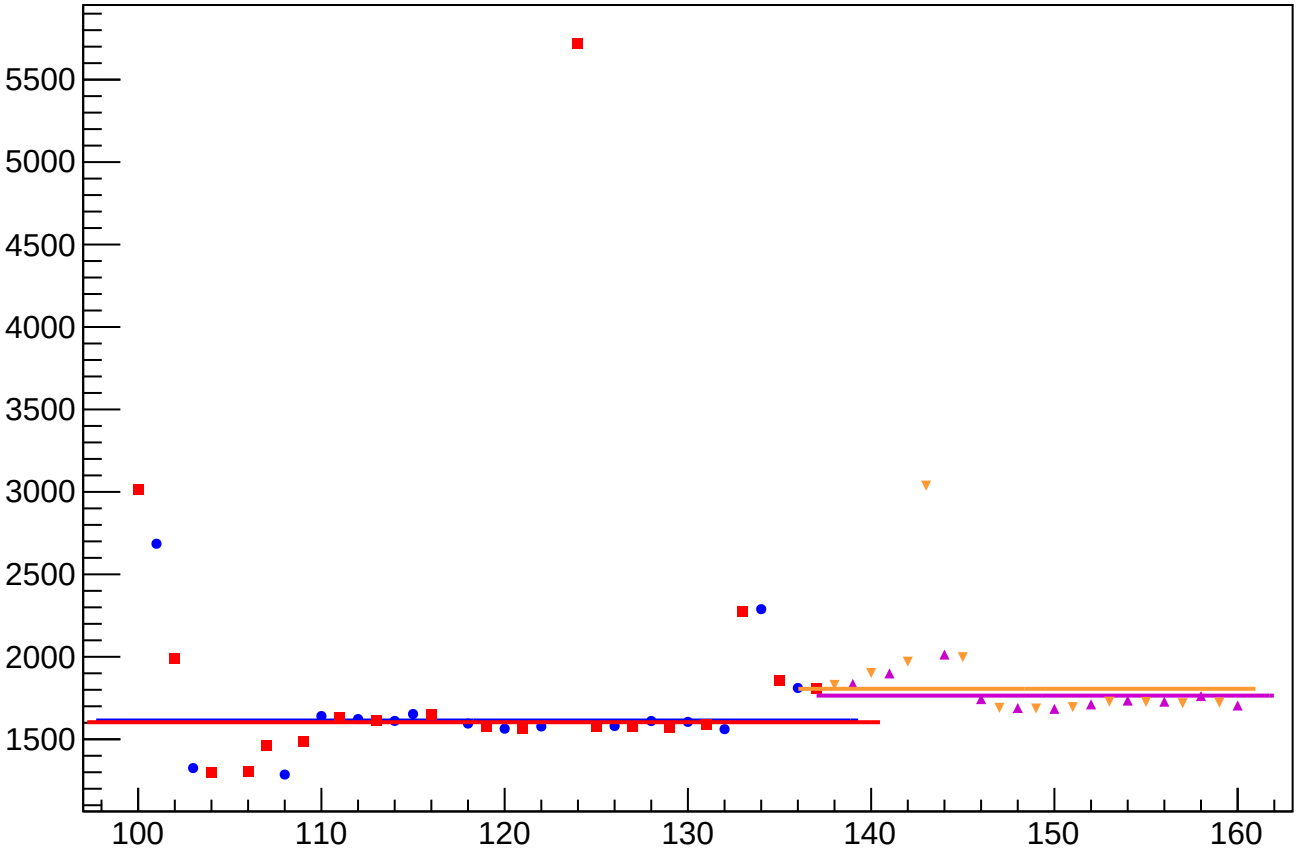
Left In: -346.427+/-571.580 χ^2/NDF:6.1/10

+ sign 539.678+/-423.687 χ^2/NDF: 32.7/27

All: 188.451+/-296.454 χ^2/NDF: 58.7/57

- 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: 1806.055+/-0.417 χ^2/NDF:332743.4/11

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

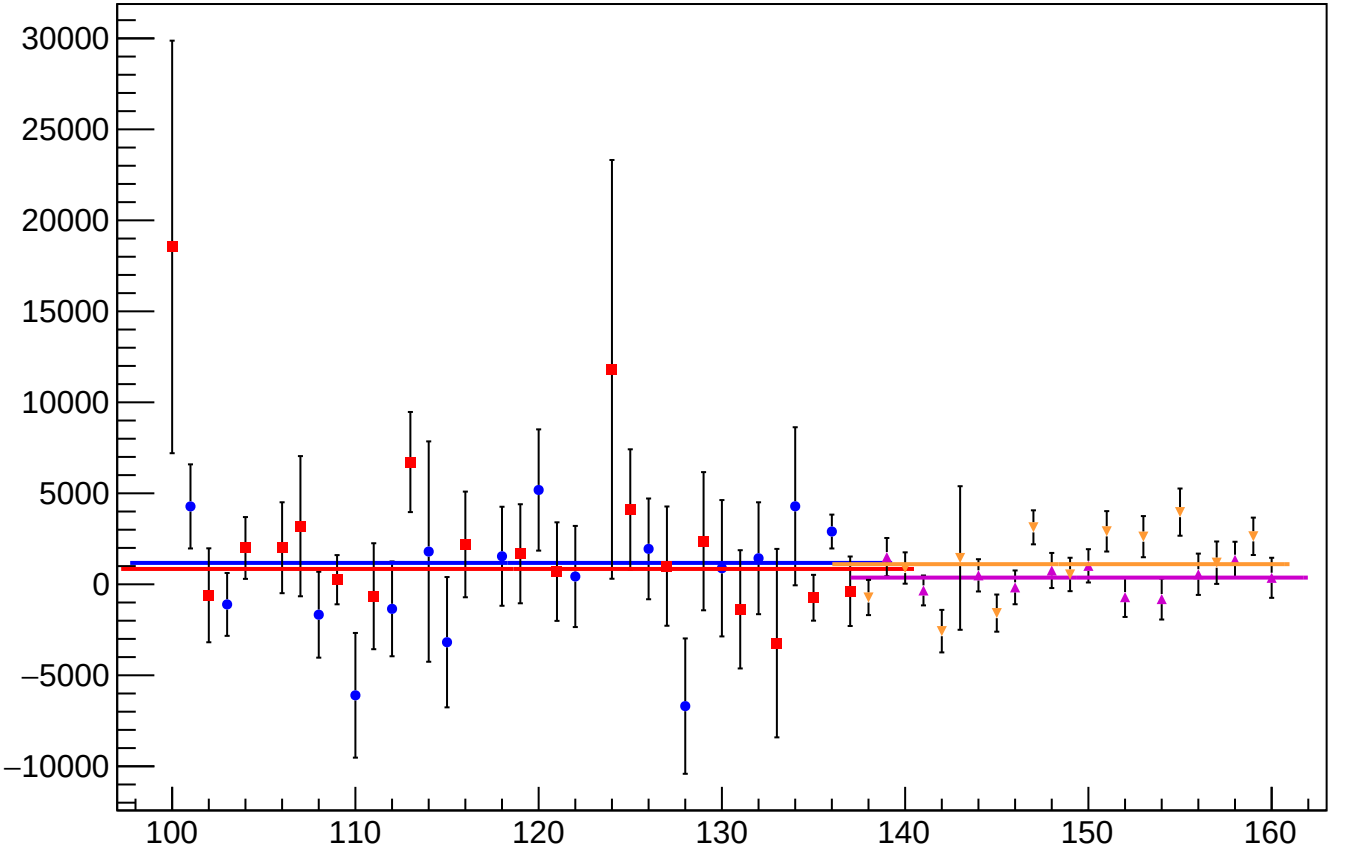
Left In: 1764.716+/-0.404 χ^2/NDF:51601.7/10

+ sign 1712.993+/-0.300 χ^2/NDF: 840410.3/27

All: 1700.465+/-0.210 χ^2/NDF: 1396517.9/57

- 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: 1107.086+/-310.466 χ^2/NDF:37.1/11

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

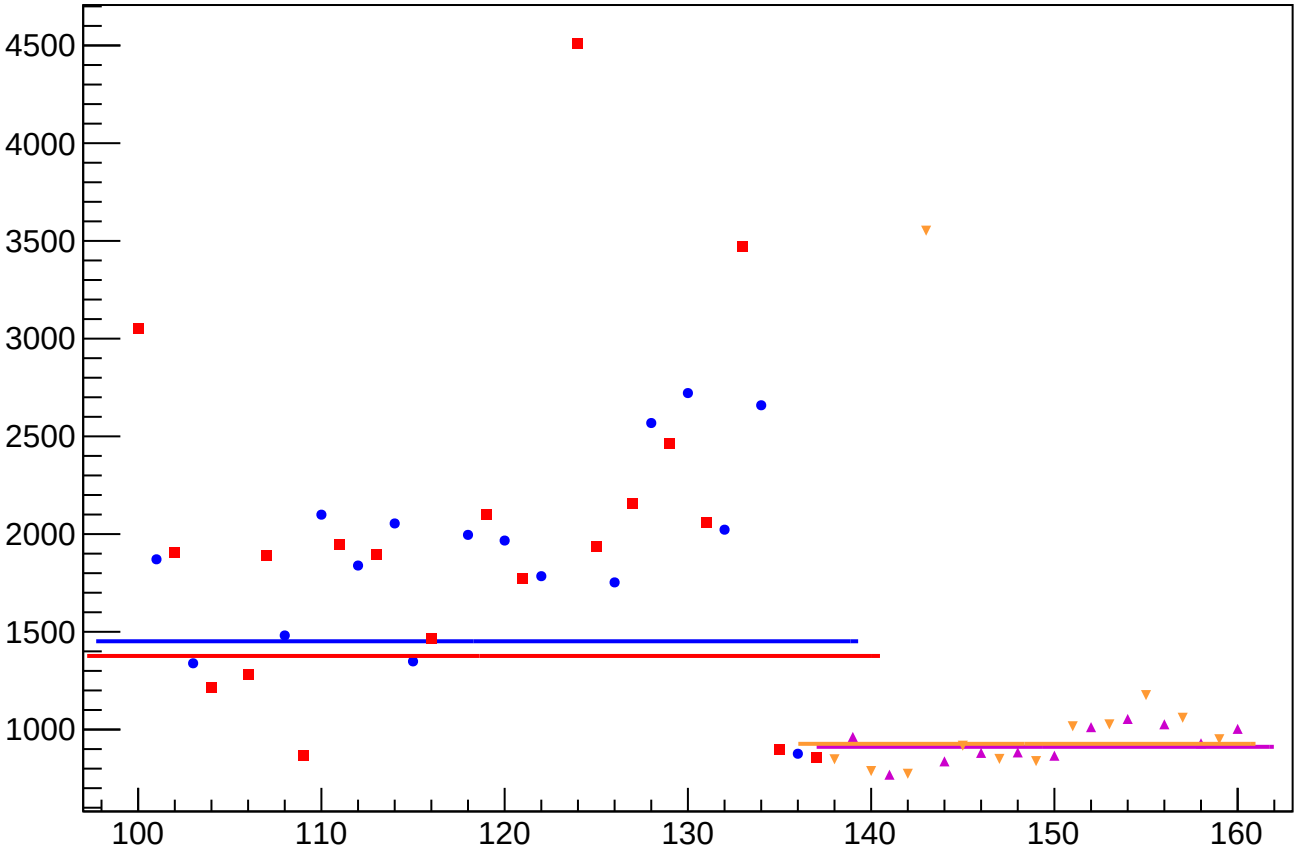
Left In: 368.138+/-296.914 χ^2/NDF:6.0/10

+ sign 1122.357+/-273.620 χ^2/NDF: 59.1/27

All: 783.813+/-189.259 χ^2/NDF: 82.8/57

- 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: 926.900+/-0.220 χ^2/NDF:1147822.4/11

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

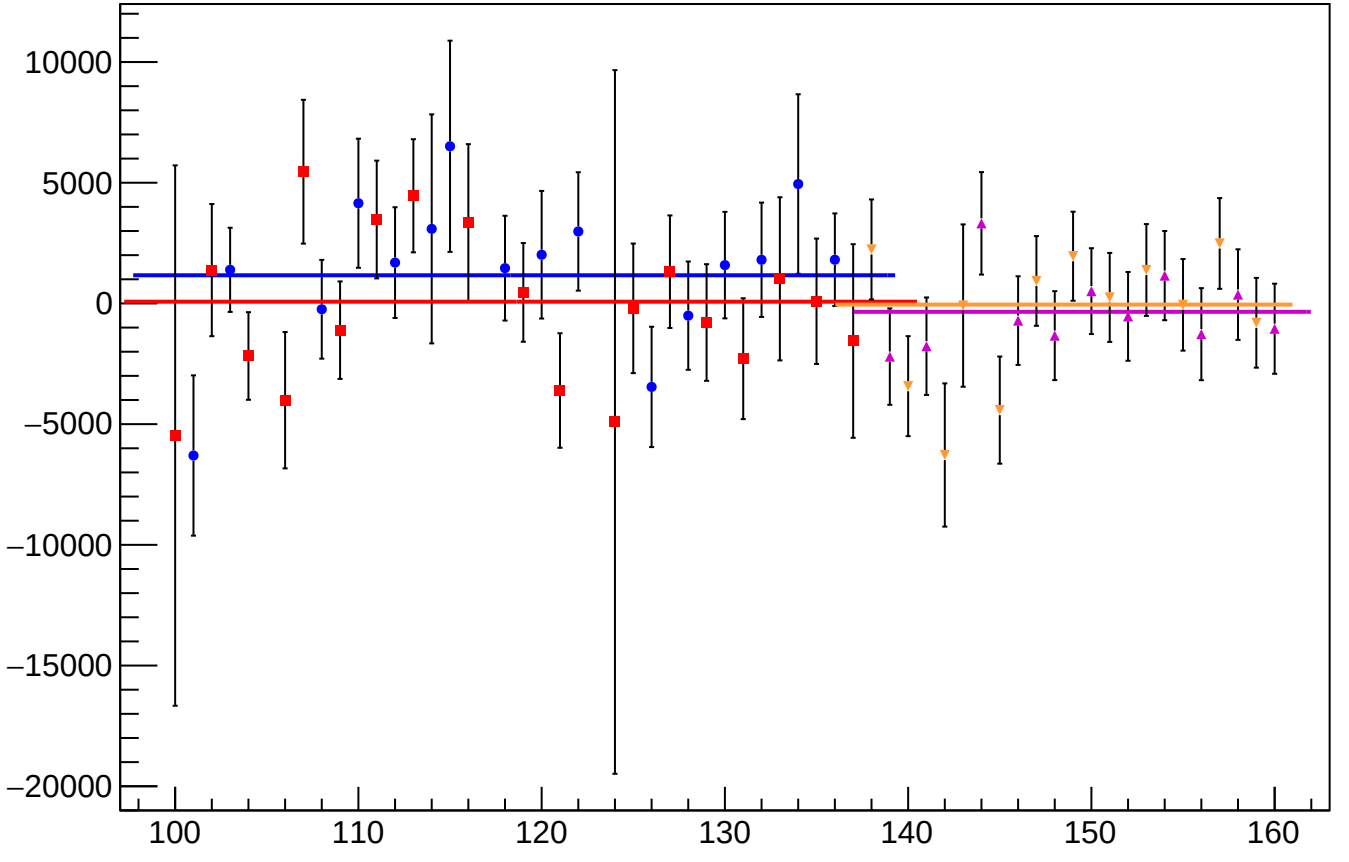
Left In: 911.603+/-0.210 χ^2/NDF:172478.7/10

+ sign 1044.060+/-0.193 χ^2/NDF: 4214276.1/27

All: 1028.559+/-0.134 χ^2/NDF: 7614611.6/57

- 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: -48.199+/-589.672 χ^2/NDF:16.2/11

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

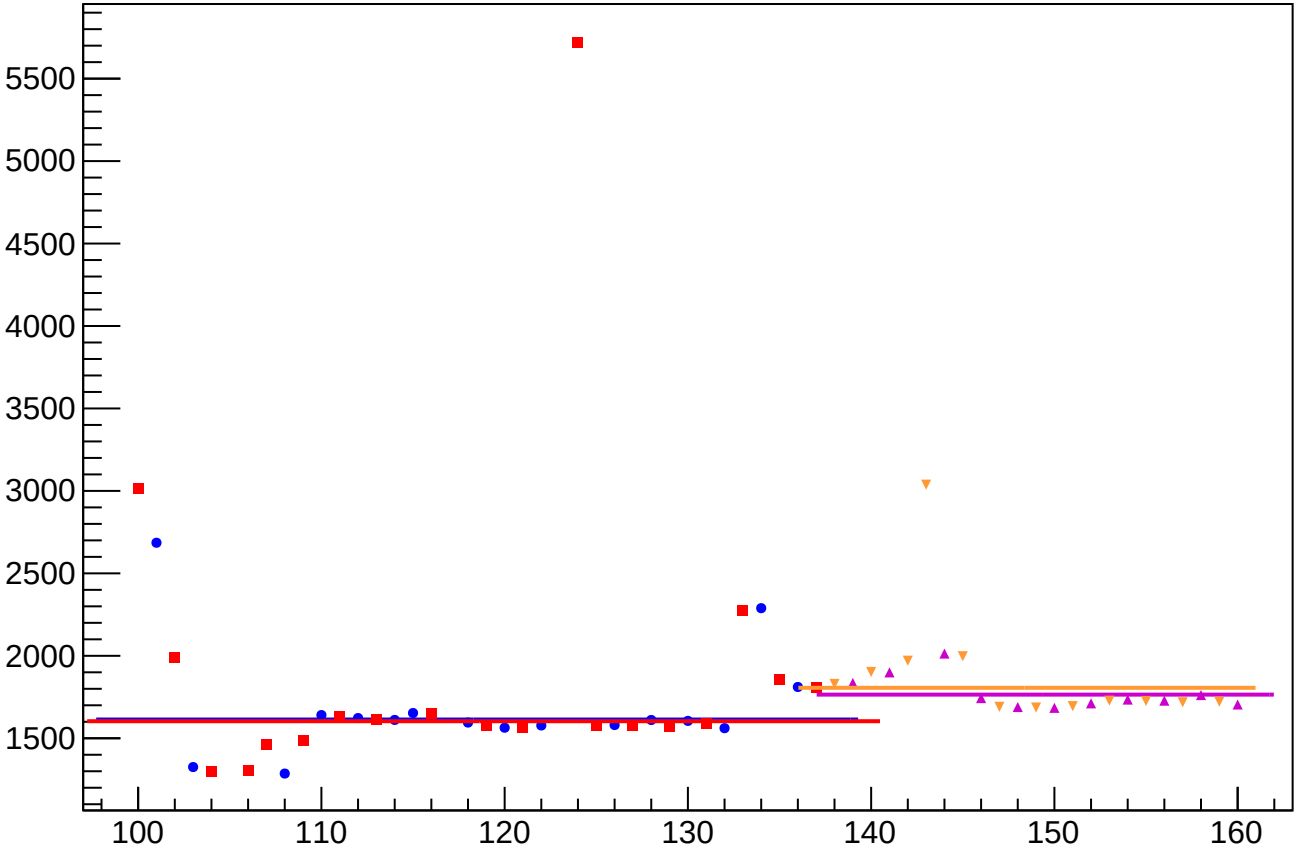
Left In: -346.409+/-571.580 χ^2/NDF:6.1/10

+ sign 539.529+/-423.687 χ^2/NDF: 32.7/27

All: 188.460+/-296.454 χ^2/NDF: 58.7/57

- 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: 1806.055+/-0.417 χ^2/NDF:332743.4/11

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

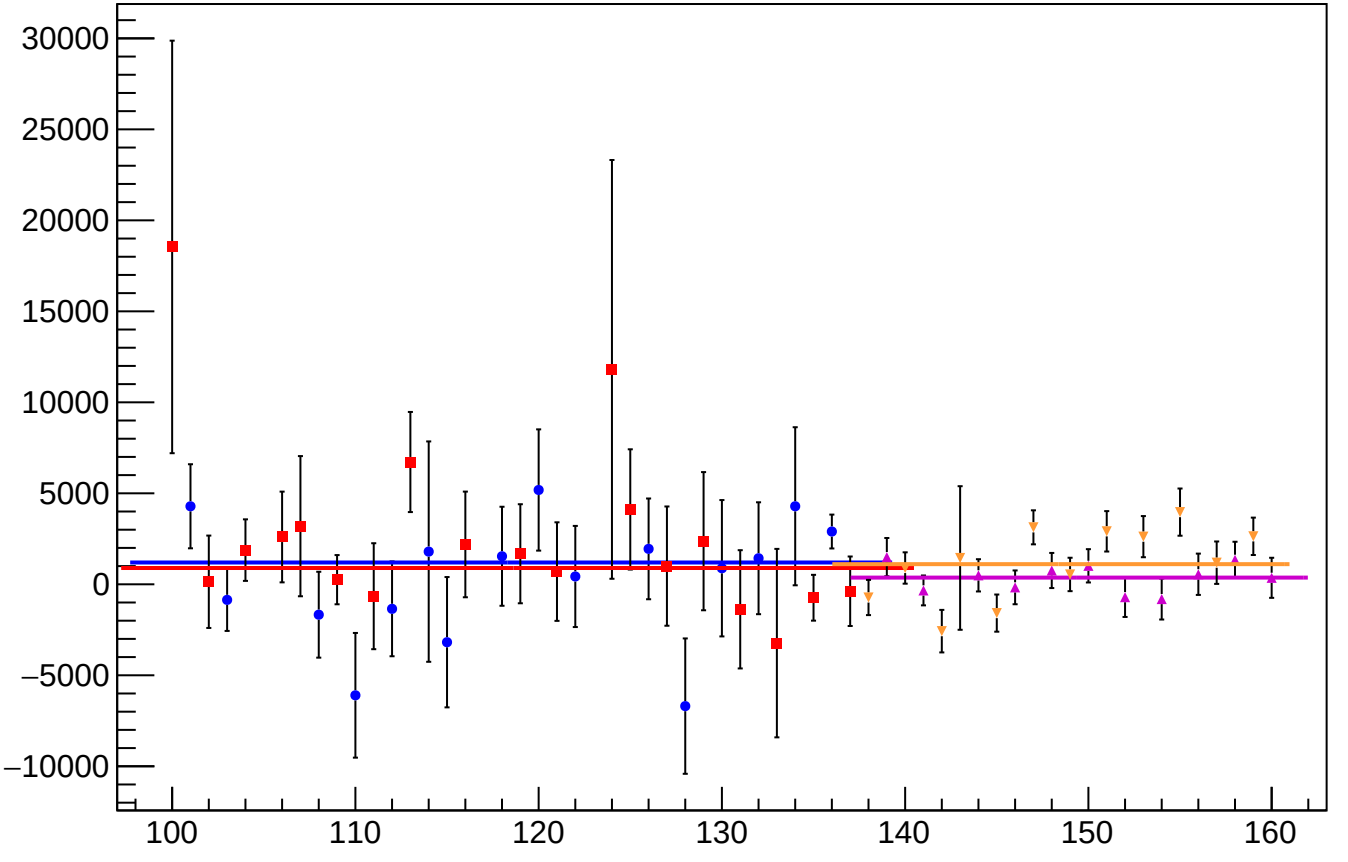
Left In: 1764.716+/-0.404 χ^2/NDF:51601.7/10

+ sign 1712.993+/-0.300 χ^2/NDF: 840410.7/27

All: 1700.465+/-0.210 χ^2/NDF: 1396518.4/57

- 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: 1107.066+/-310.470 χ^2/NDF:37.1/11

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

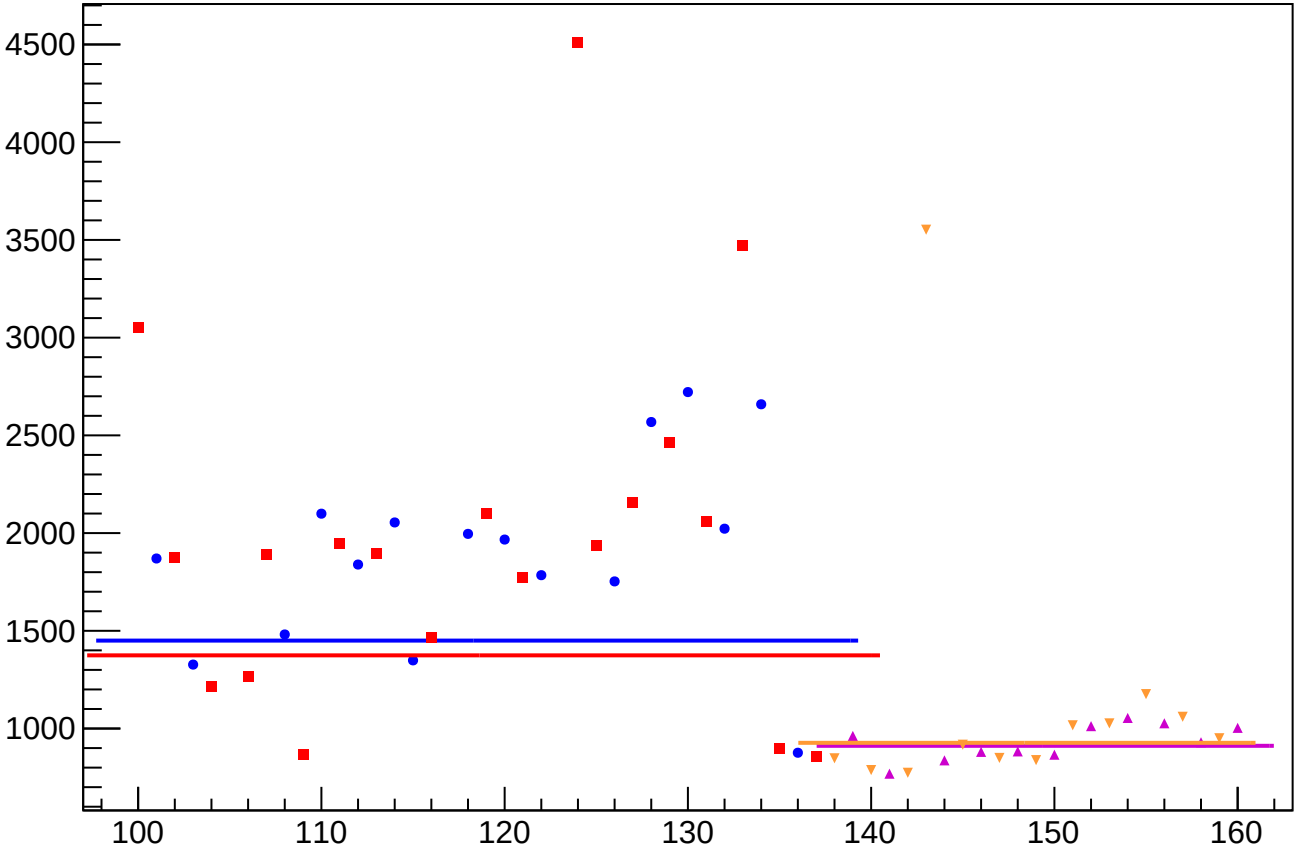
Left In: 368.087+/-296.913 χ^2/NDF:6.0/10

+ sign 1127.490+/-273.535 χ^2/NDF: 58.8/27

All: 792.328+/-189.200 χ^2/NDF: 82.5/57

- 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: 926.914+/-0.220 χ^2/NDF:1147735.1/11

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

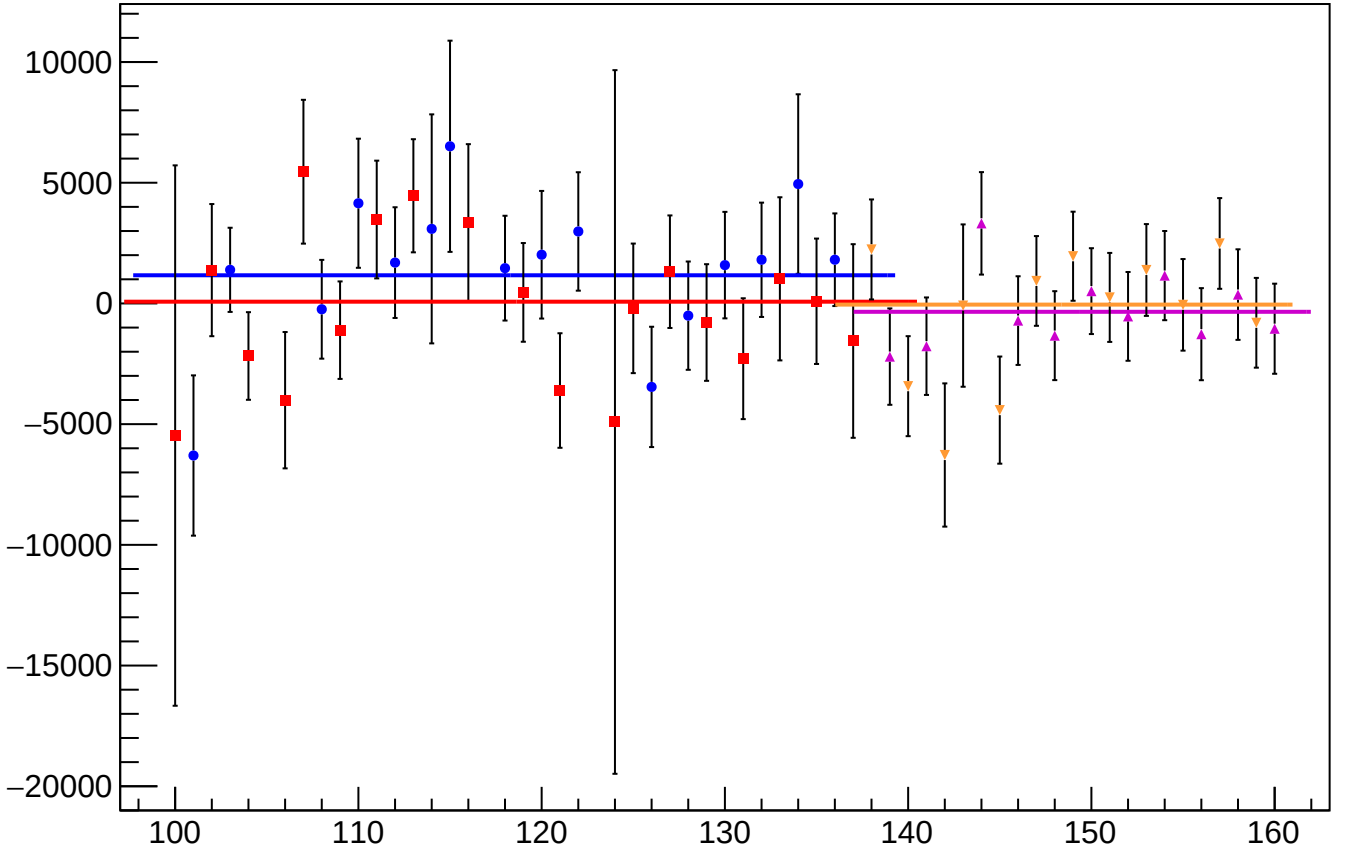
Left In: 911.600+/-0.210 χ^2/NDF:172516.2/10

+ sign 1043.953+/-0.193 χ^2/NDF: 4210532.1/27

All: 1028.388+/-0.134 χ^2/NDF: 7599539.6/57

- 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: -48.199+/-589.672 χ^2/NDF:16.2/11

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

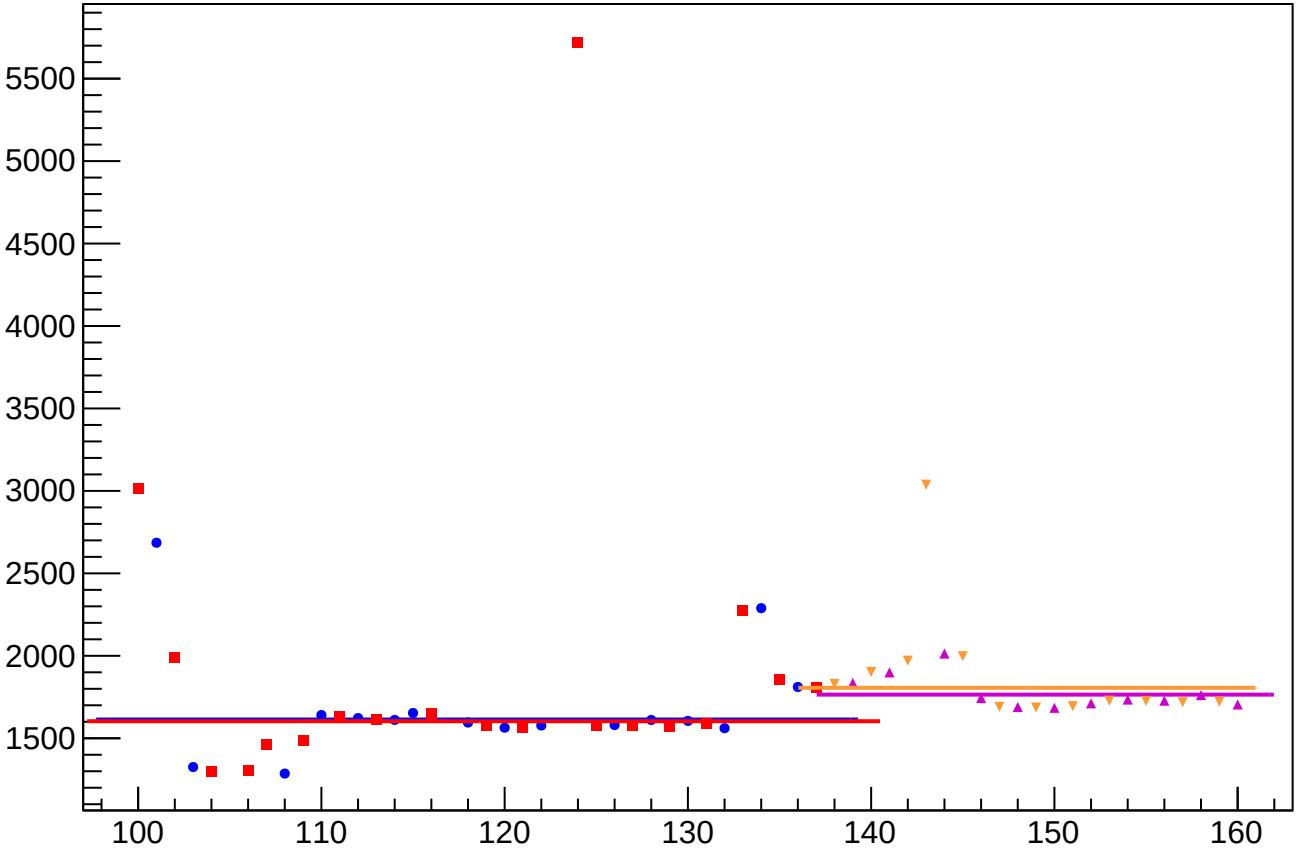
Left In: -346.409+/-571.580 χ^2/NDF:6.1/10

+ sign 539.529+/-423.687 χ^2/NDF: 32.7/27

All: 188.460+/-296.454 χ^2/NDF: 58.7/57

- 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: 1806.055+/-0.417 χ^2/NDF:332743.4/11

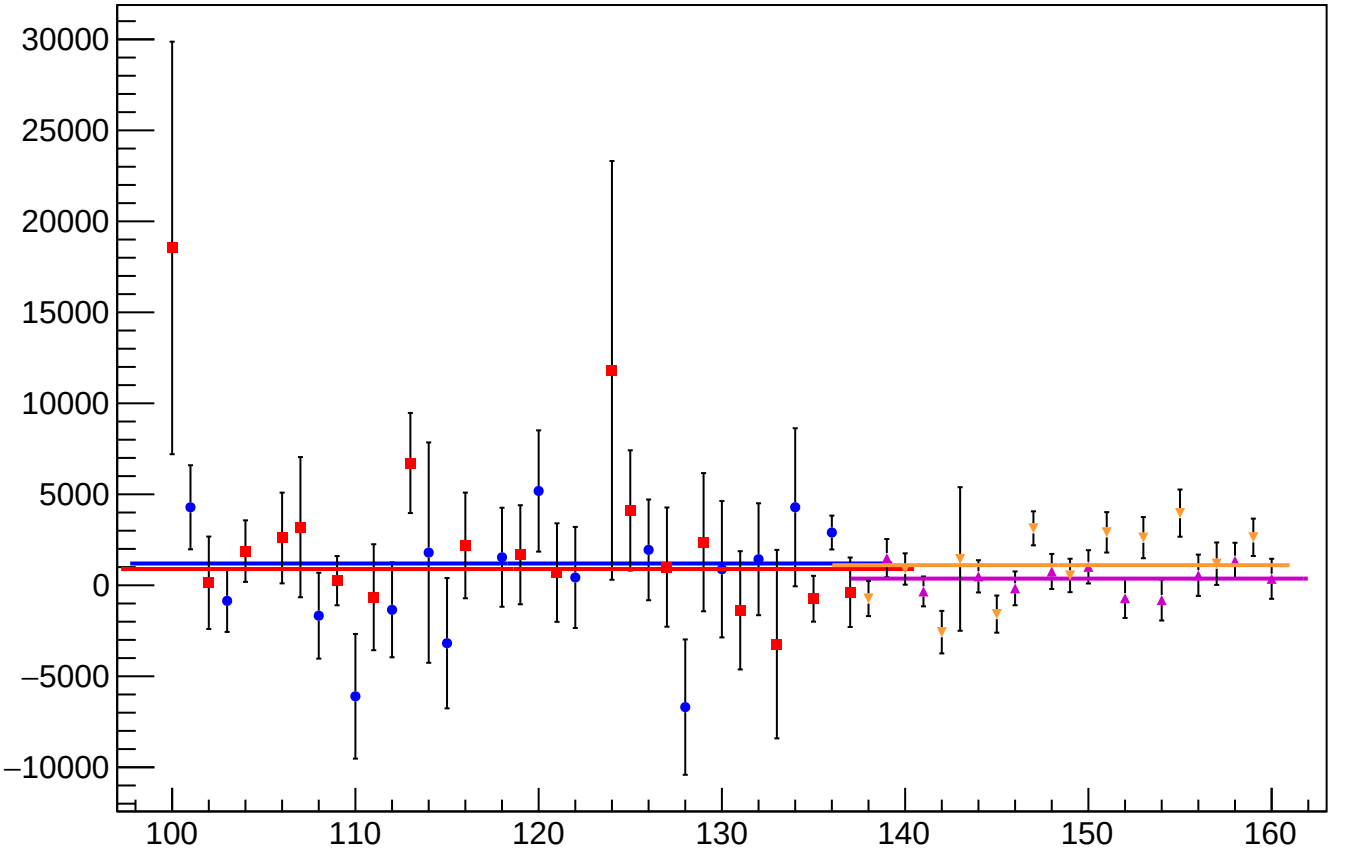
Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1764.716+/-0.404 χ^2/NDF:51601.7/10

+ sign 1712.993+/-0.300 χ^2/NDF: 840410.7/27

All: 1700.465+/-0.210 χ^2/NDF: 1396518.4/57

- 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: 1107.066+/-310.470 χ^2/NDF:37.1/11

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

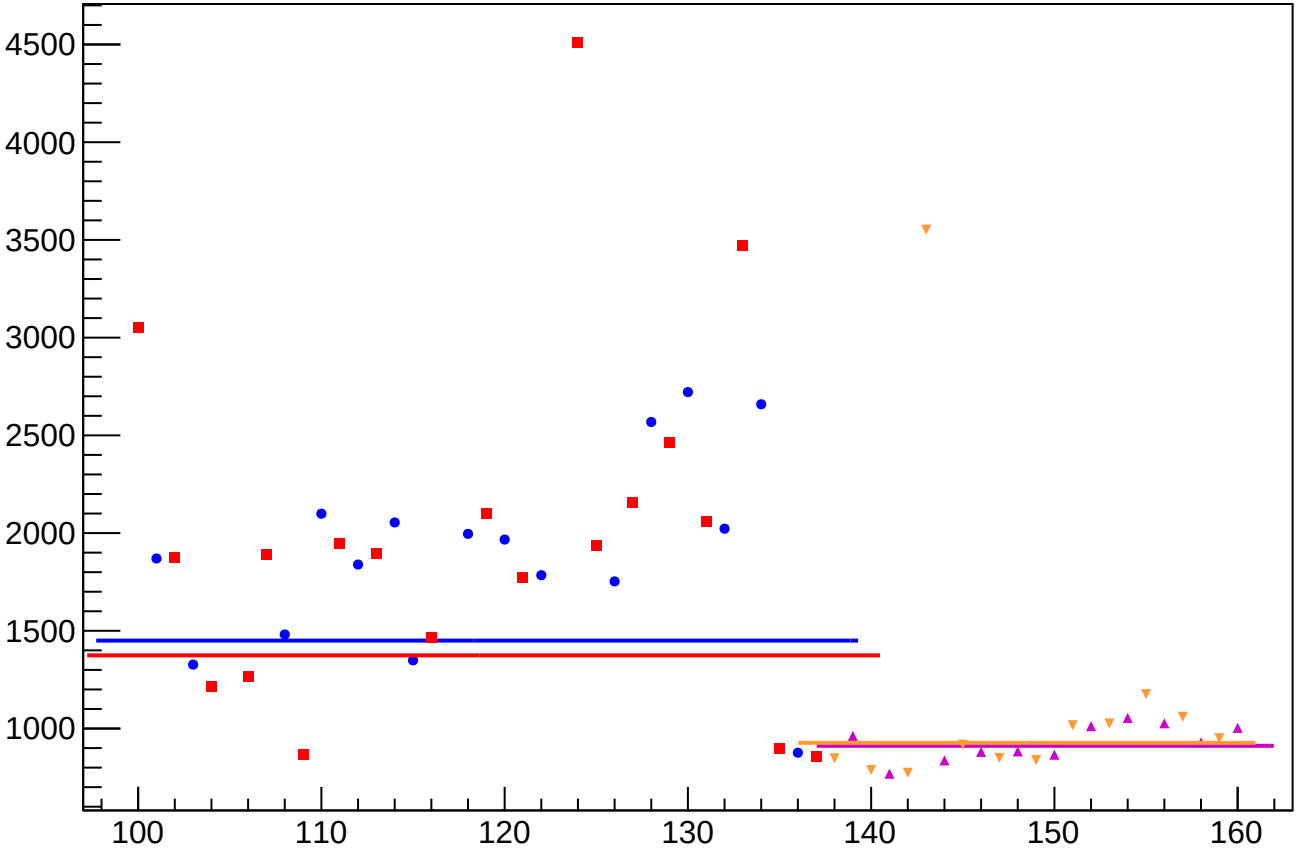
Left In: 368.087+/-296.913 χ^2/NDF:6.0/10

+ sign 1127.490+/-273.535 χ^2/NDF: 58.8/27

All: 792.328+/-189.200 χ^2/NDF: 82.5/57

- 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: 926.914+/-0.220 χ^2/NDF:1147735.1/11

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

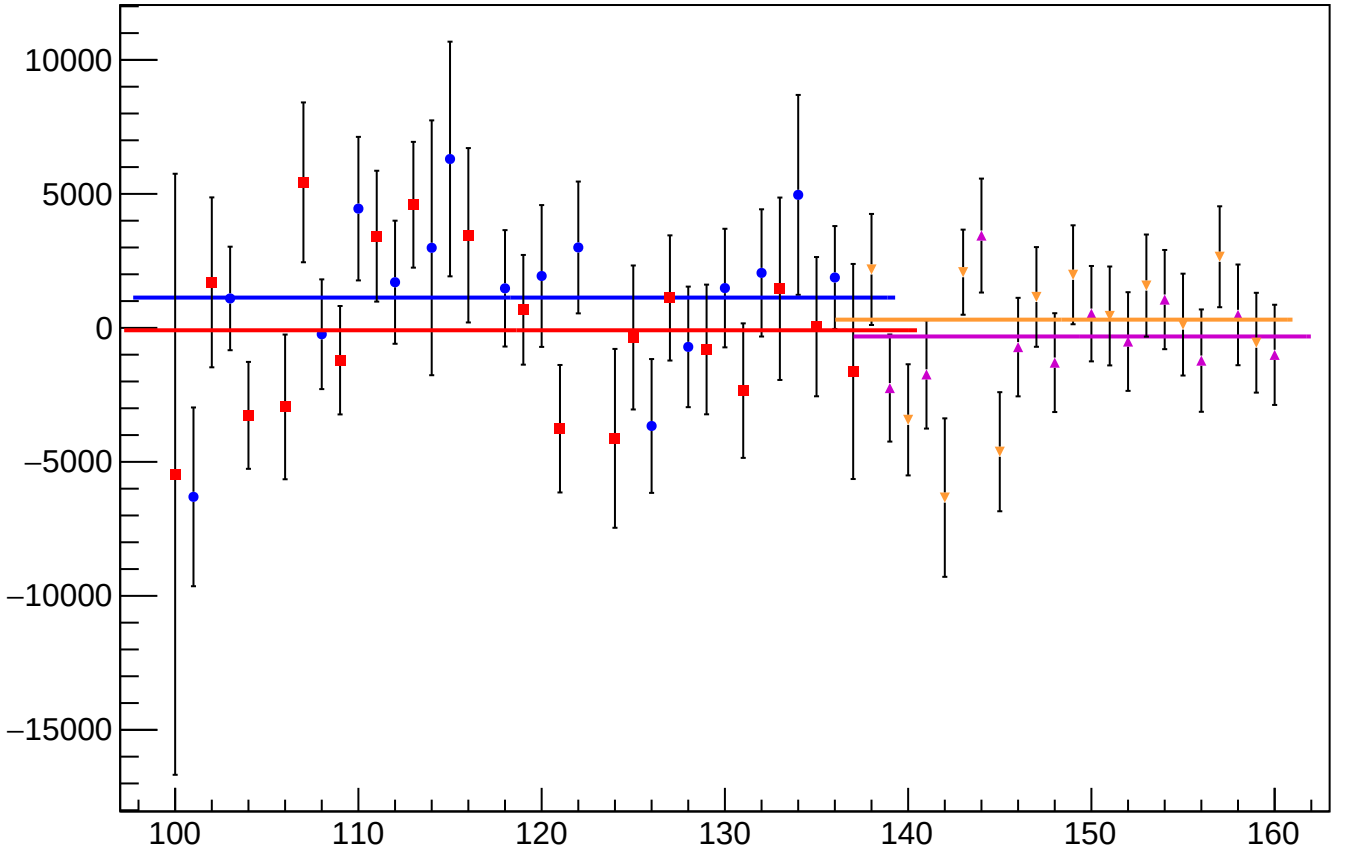
Left In: 911.600+/-0.210 χ^2/NDF:172516.2/10

+ sign 1043.953+/-0.193 χ^2/NDF: 4210532.1/27

All: 1028.388+/-0.134 χ^2/NDF: 7599539.6/57

- sign 1014.110+/-0.185 χ^2/NDF: 3376591.1/29

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 307.553+/-560.987 χ^2/NDF:18.5/11

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

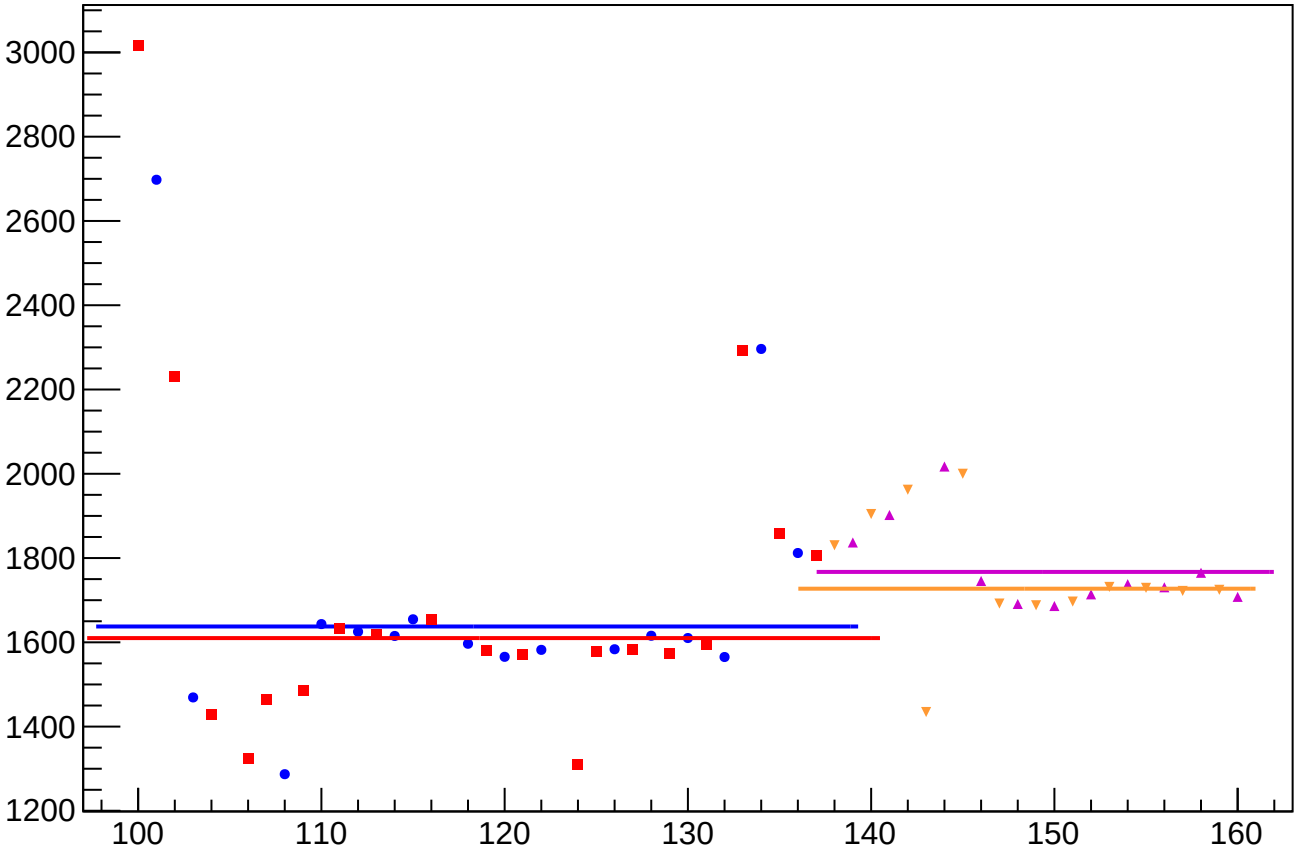
Left In: -320.526+/-572.355 χ^2/NDF:6.2/10

+ sign 679.930+/-415.143 χ^2/NDF: 34.5/27

All: 234.517+/-293.553 χ^2/NDF: 63.8/57

- 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: 1727.272+/-0.397 χ^2/NDF:132466.6/11

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

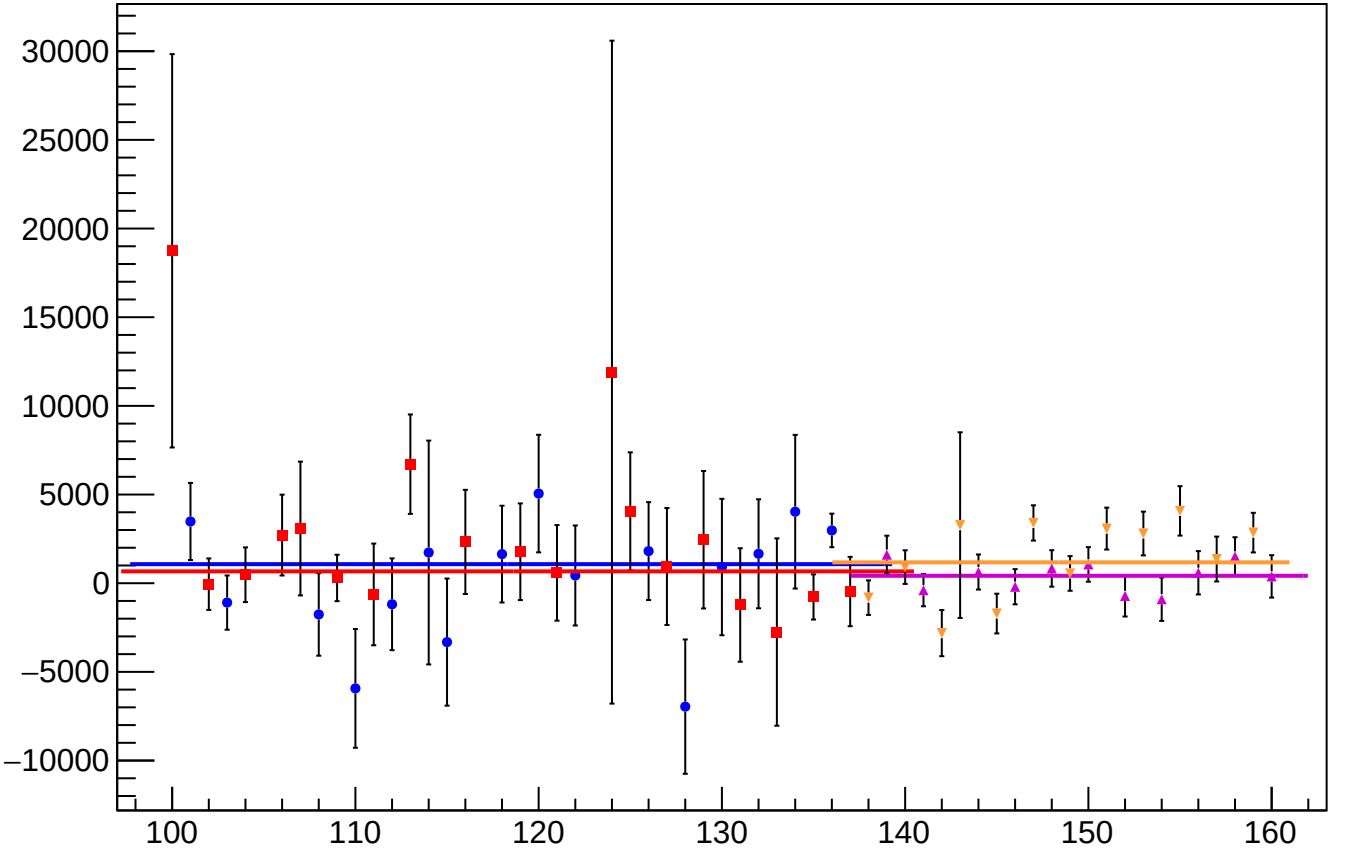
Left In: 1767.090+/-0.405 χ^2/NDF:51765.0/10

+ sign 1686.696+/-0.294 χ^2/NDF: 517014.2/27

All: 1689.682+/-0.208 χ^2/NDF: 921155.1/57

- 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: 1176.233+/-333.959 χ^2/NDF:36.8/11

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

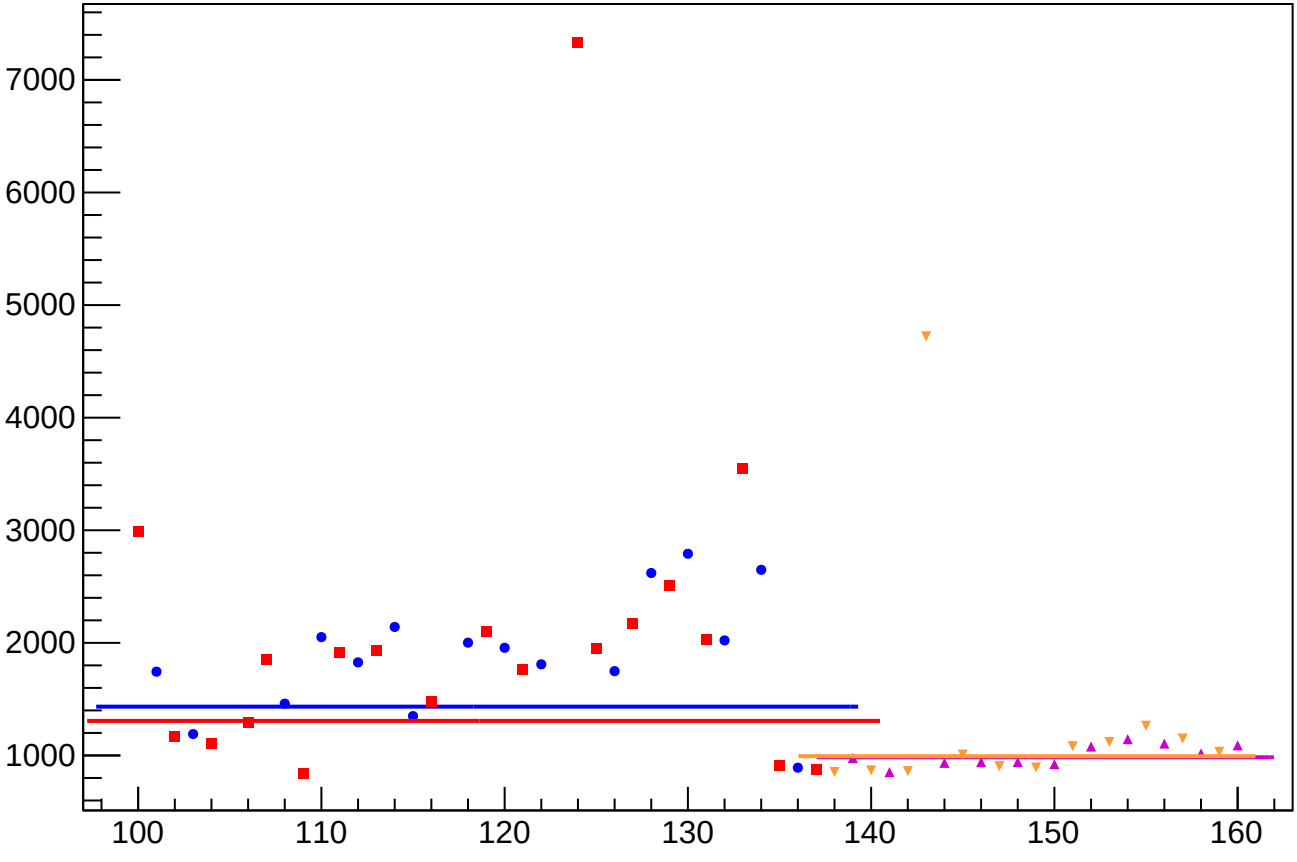
Left In: 418.896+/-320.237 χ^2/NDF:6.2/10

+ sign 1150.115+/-288.352 χ^2/NDF: 58.9/27

All: 800.475+/-198.312 χ^2/NDF: 81.6/57

- 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: 993.496+/-0.236 χ^2/NDF:1290462.6/11

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

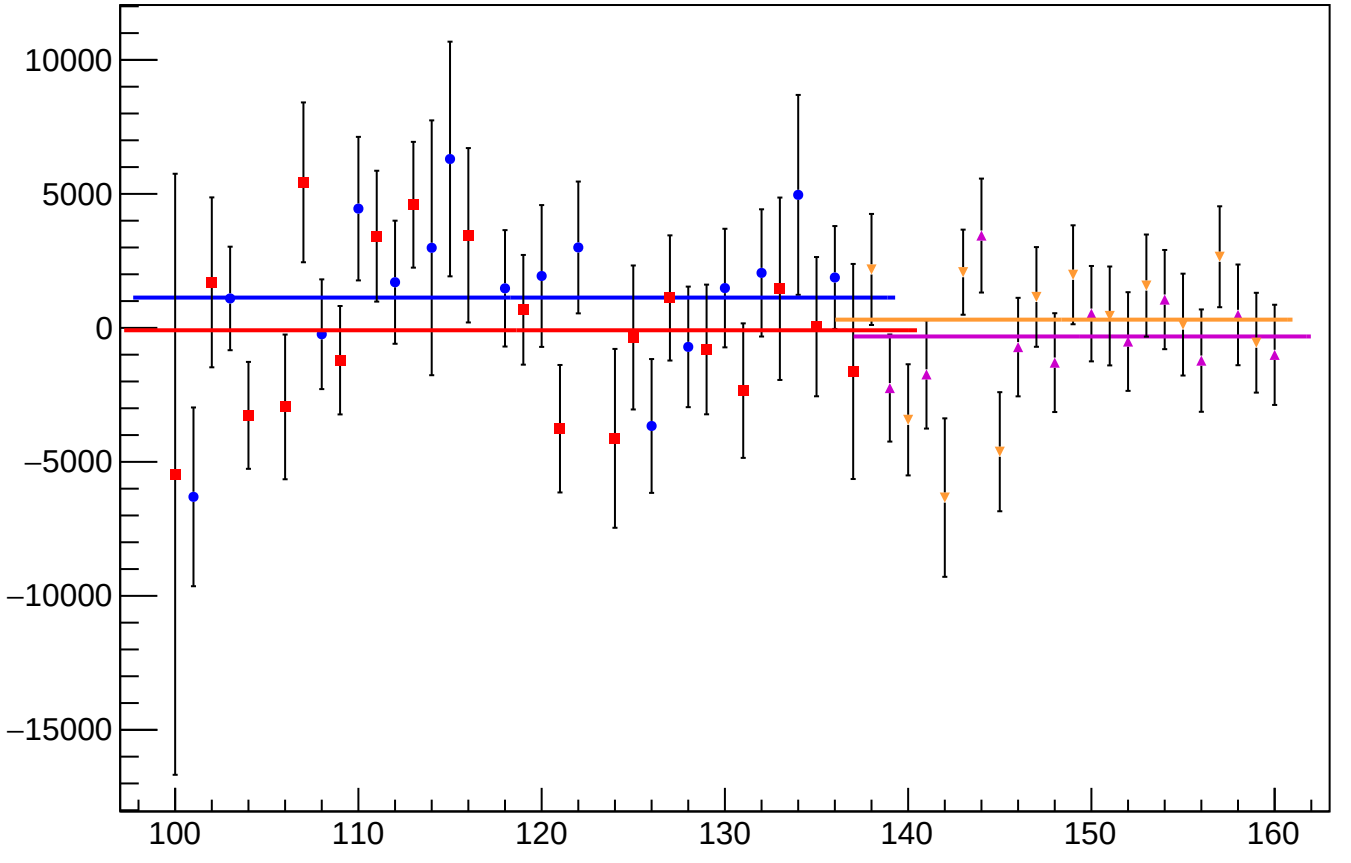
Left In: 983.936+/-0.226 χ^2/NDF:147738.3/10

+ sign 1105.461+/-0.204 χ^2/NDF: 3937360.3/27

All: 1087.763+/-0.140 χ^2/NDF: 6837148.1/57

- 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: 307.546+/-560.987 χ^2/NDF:18.5/11

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

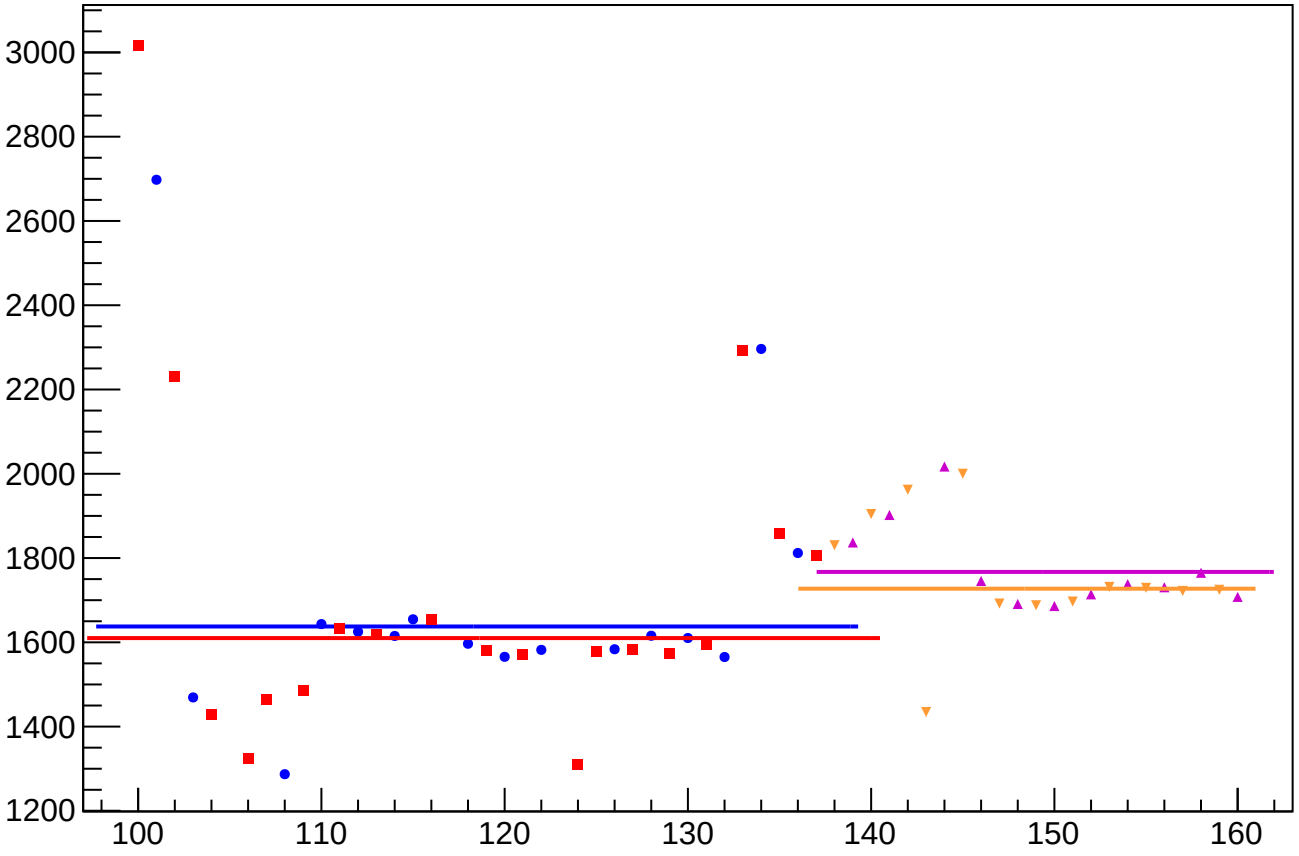
Left In: -320.525+/-572.355 χ^2/NDF:6.2/10

+ sign 679.927+/-415.143 χ^2/NDF: 34.5/27

All: 234.514+/-293.553 χ^2/NDF: 63.8/57

- 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: 1727.273+/-0.397 χ^2/NDF:132465.5/11

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

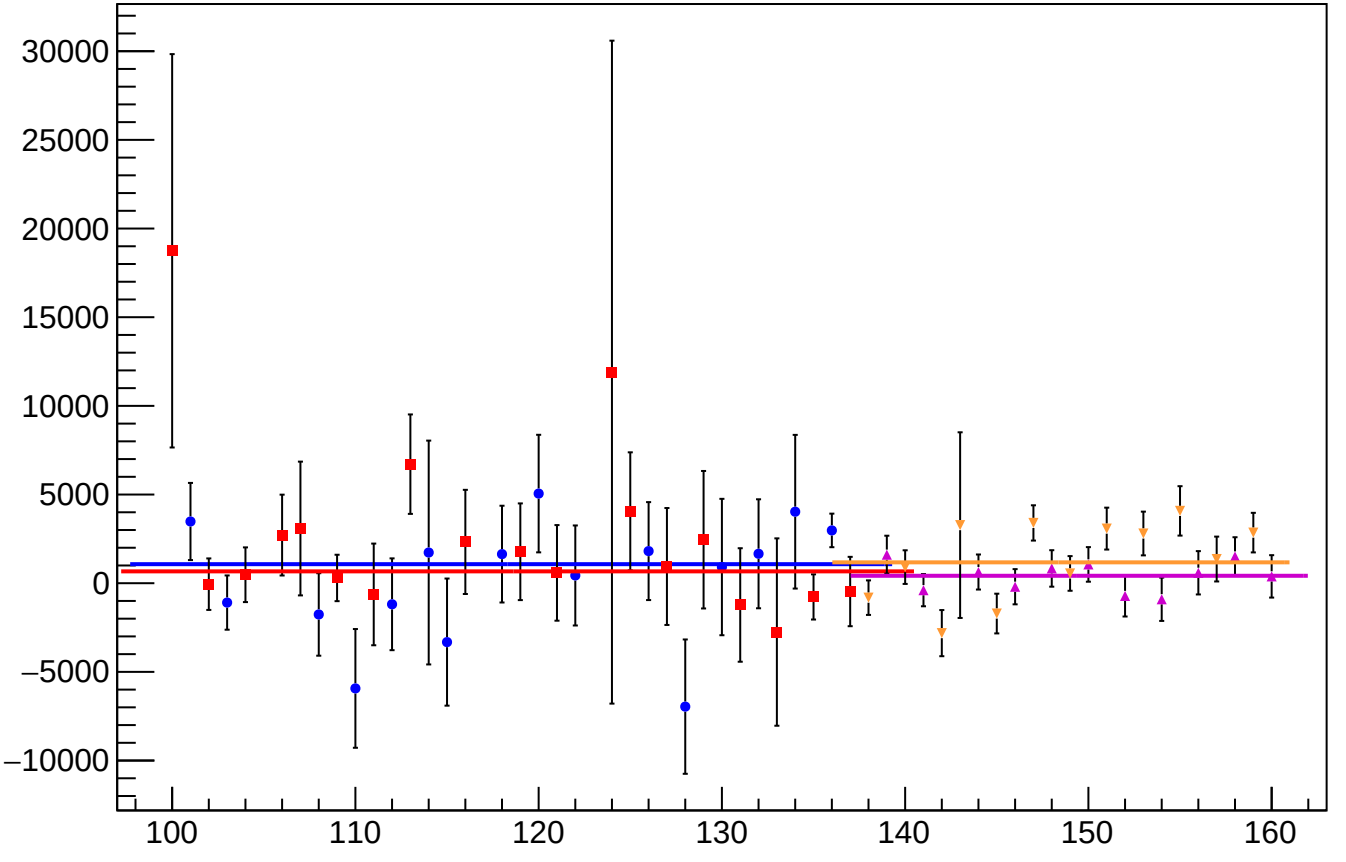
Left In: 1767.090+/-0.405 χ^2/NDF:51765.1/10

+ sign 1686.696+/-0.294 χ^2/NDF: 517013.2/27

All: 1689.682+/-0.208 χ^2/NDF: 921154.5/57

- 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: 1176.246+/-333.961 χ^2/NDF:36.8/11

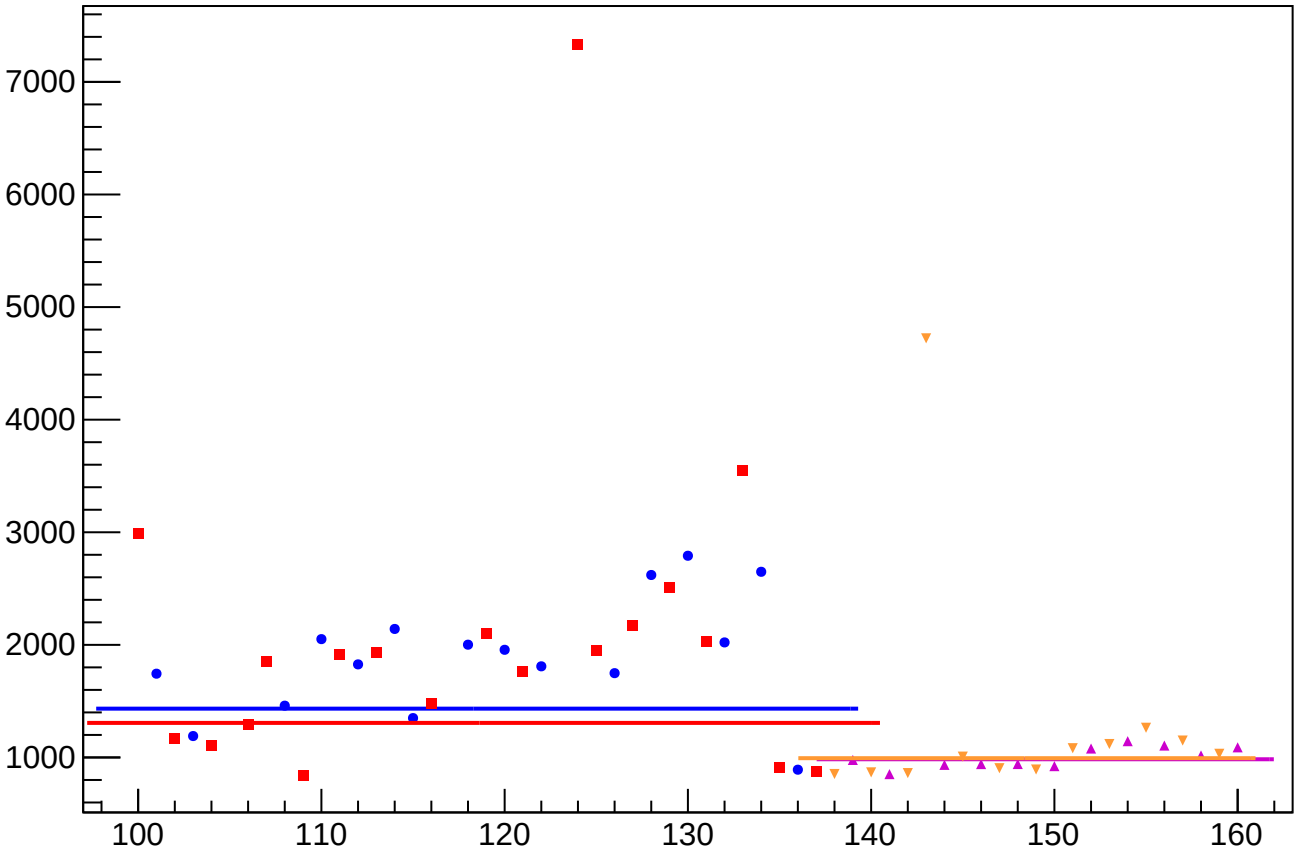
Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: 418.894+/-320.238 χ^2/NDF:6.2/10

+ sign 1150.122+/-288.354 χ^2/NDF: 58.9/27

All: 800.478+/-198.313 χ^2/NDF: 81.6/57

- sign 486.674+/-273.176 χ^2/NDF: 19.9/29



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 993.502+/-0.236 χ^2/NDF:1290441.8/11

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

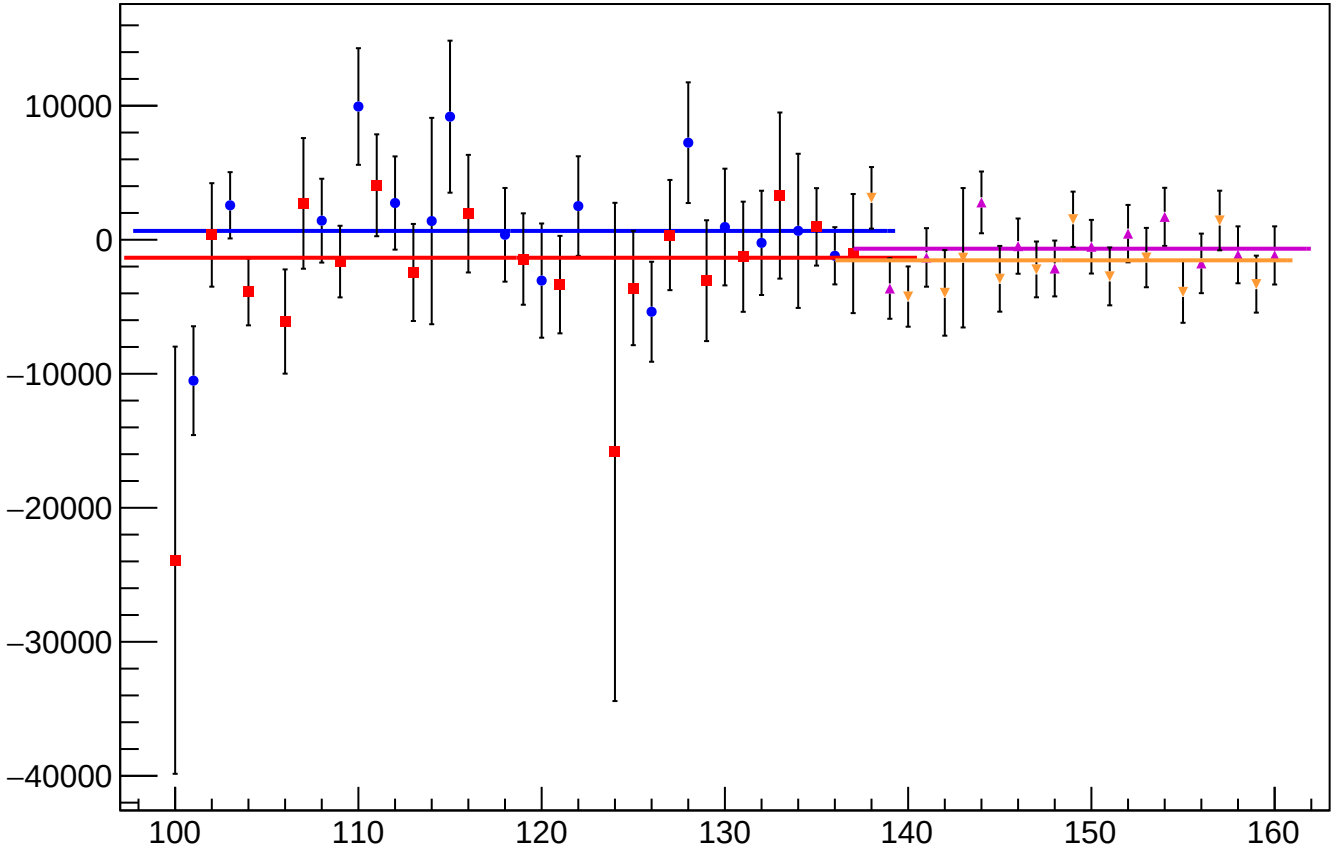
Left In: 983.939+/-0.226 χ^2/NDF:147740.2/10

+ sign 1105.469+/-0.204 χ^2/NDF: 3937272.9/27

All: 1087.769+/-0.140 χ^2/NDF: 6837025.7/57

- 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: -1534.338+/-676.583 χ^2/NDF:12.6/11

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

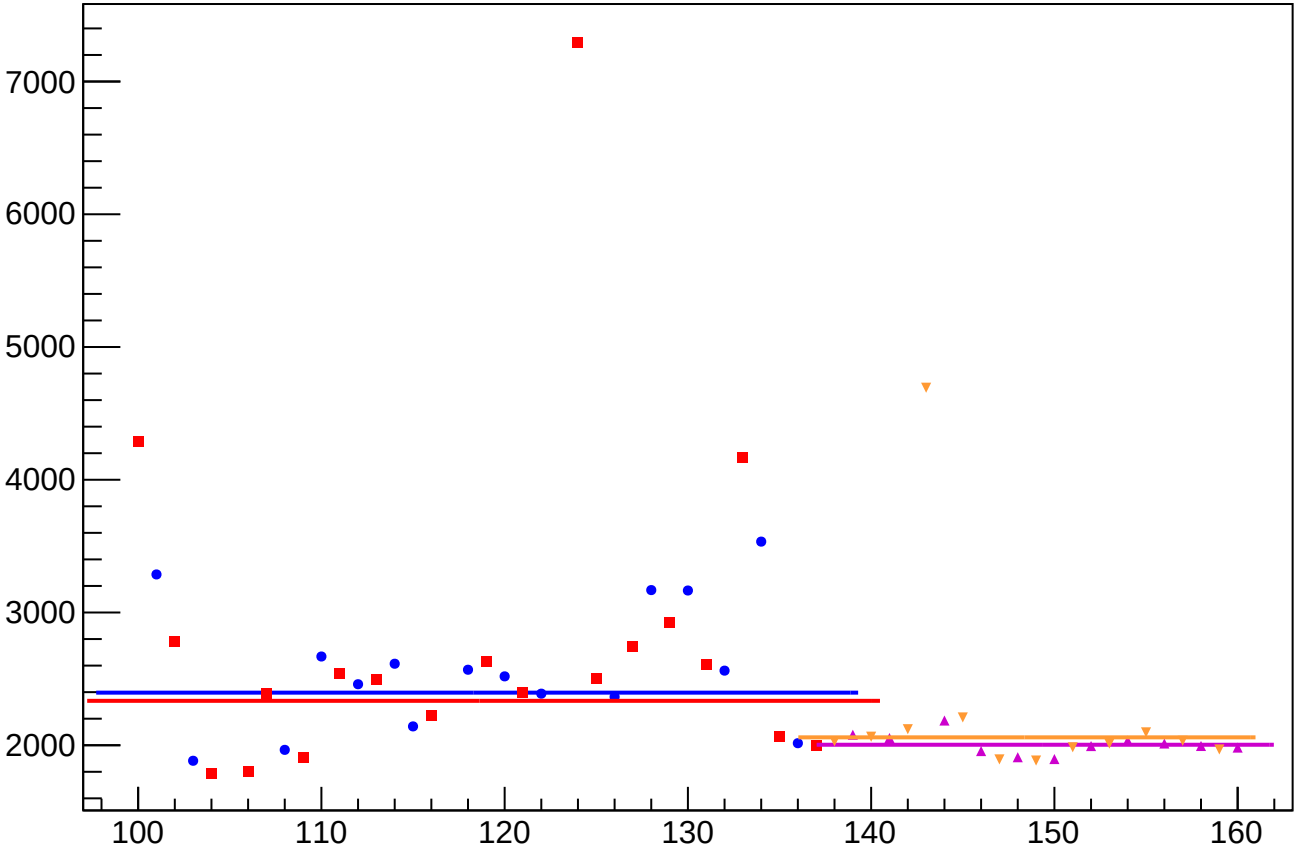
Left In: -668.494+/-648.653 χ^2/NDF:6.4/10

+ sign -752.877+/-542.865 χ^2/NDF: 38.3/27

All: -829.999+/-377.136 χ^2/NDF: 56.0/57

- 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: 2059.539+/-0.478 χ^2/NDF:556291.9/11

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

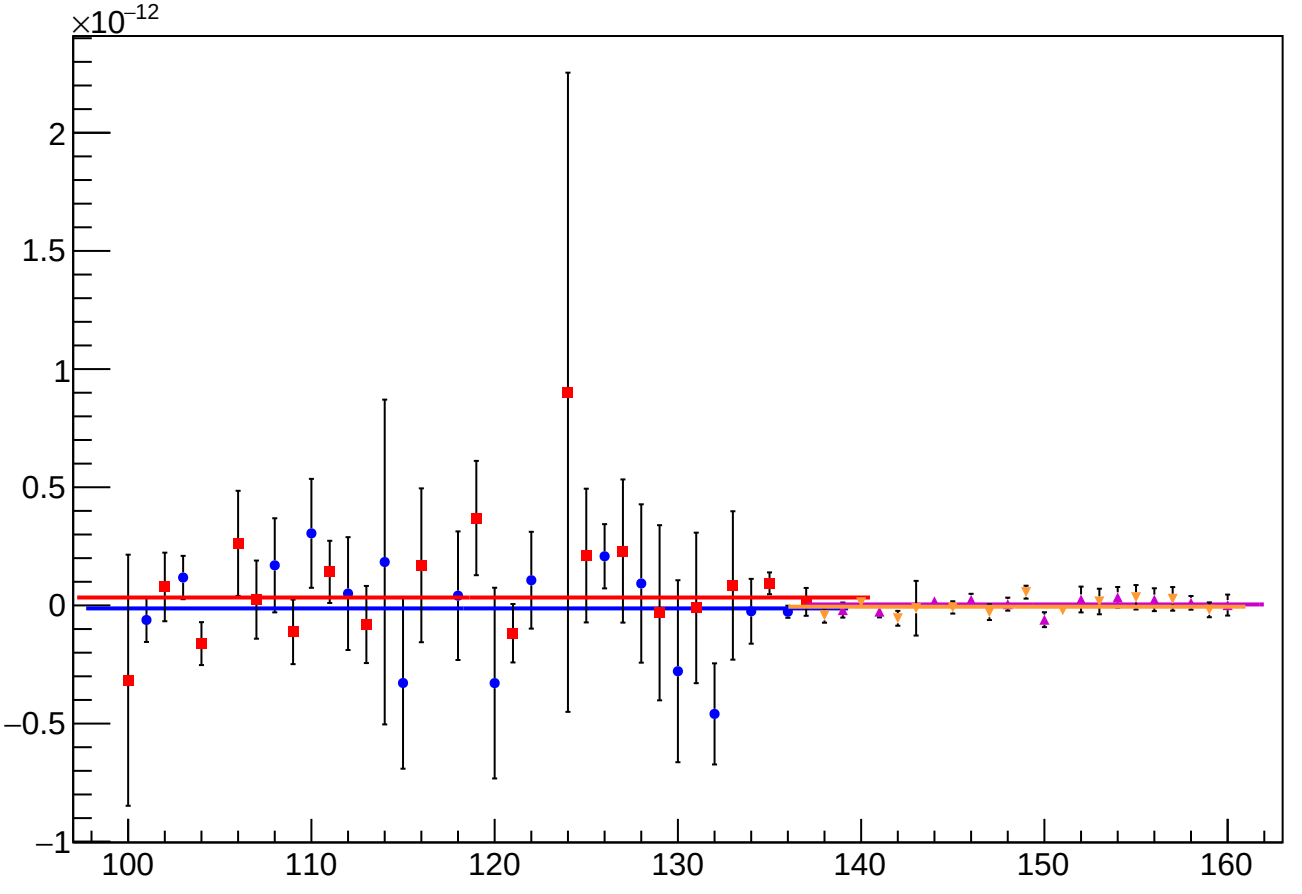
Left In: 2003.750+/-0.459 χ^2/NDF:27496.9/10

+ sign 2179.490+/-0.384 χ^2/NDF: 1240662.7/27

All: 2147.898+/-0.267 χ^2/NDF: 2143164.6/57

- 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:12.4/11

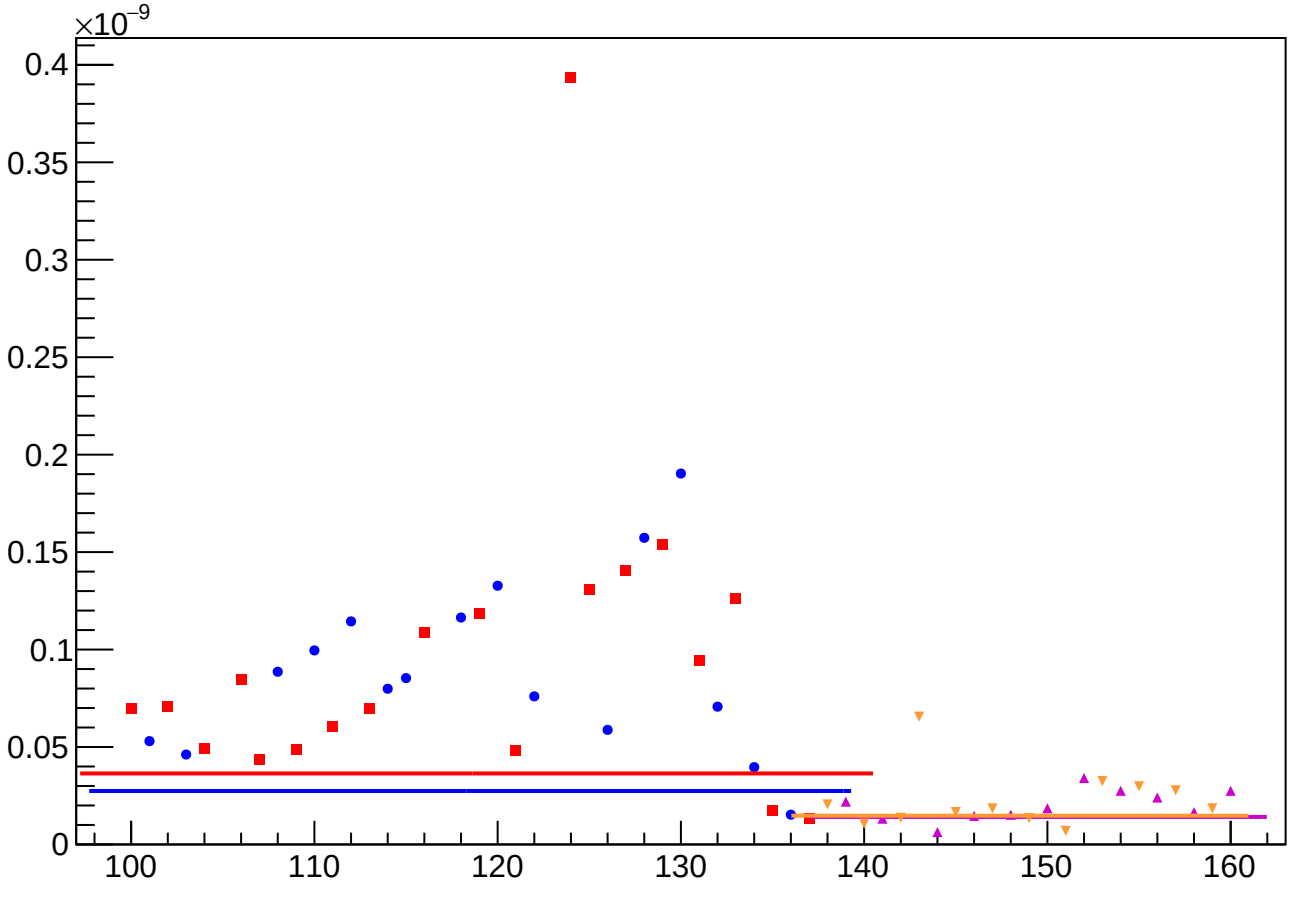
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:8.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 27.3/27

All: 0.000+/-0.000 χ^2/NDF: 53.5/57

- sign 0.000+/-0.000 χ^2/NDF: 24.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1491776.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

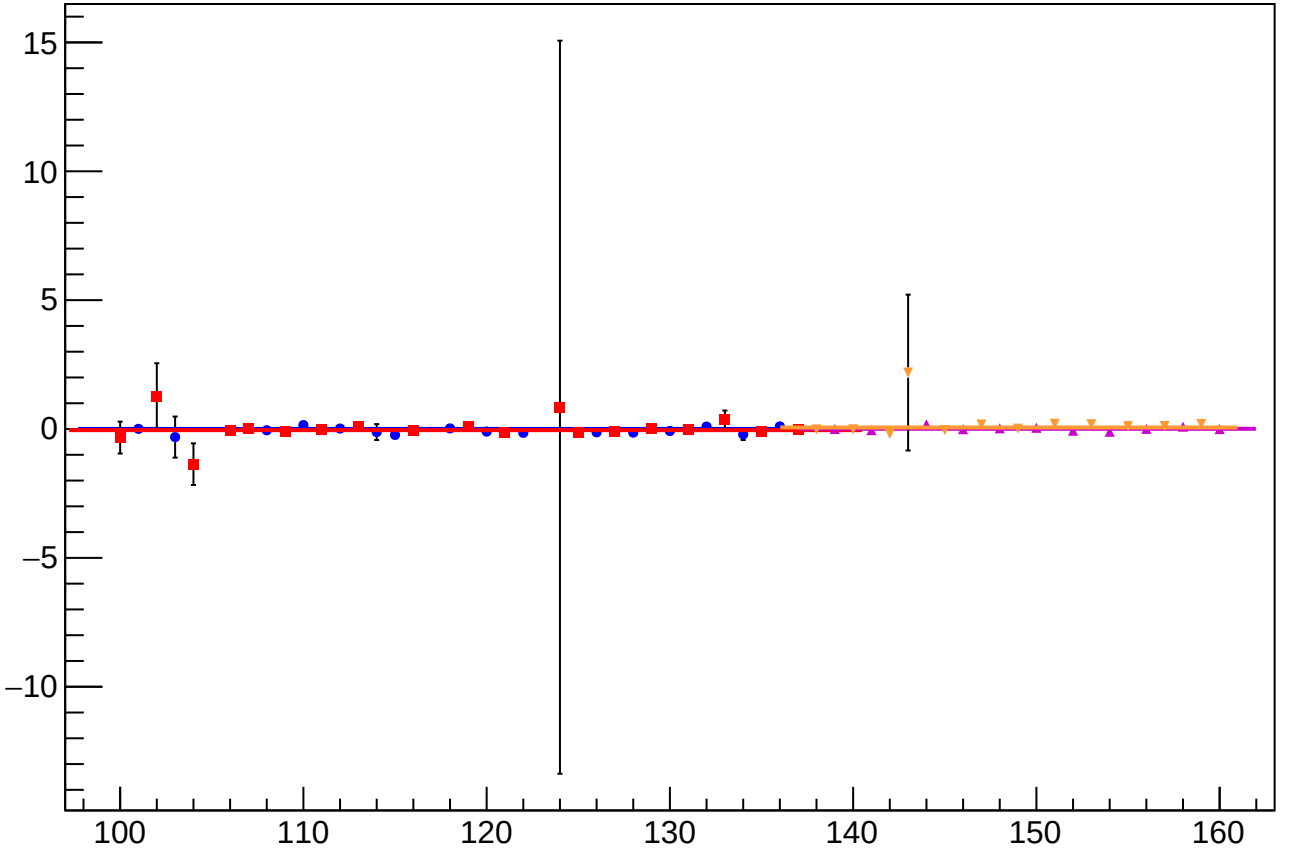
Left In: 0.000+/-0.000 χ^2/NDF:1536316.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 4787774.8/27

All: 0.000+/-0.000 χ^2/NDF: 9940545.3/57

- 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: 0.059+/-0.023 χ^2/NDF:19.1/11

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

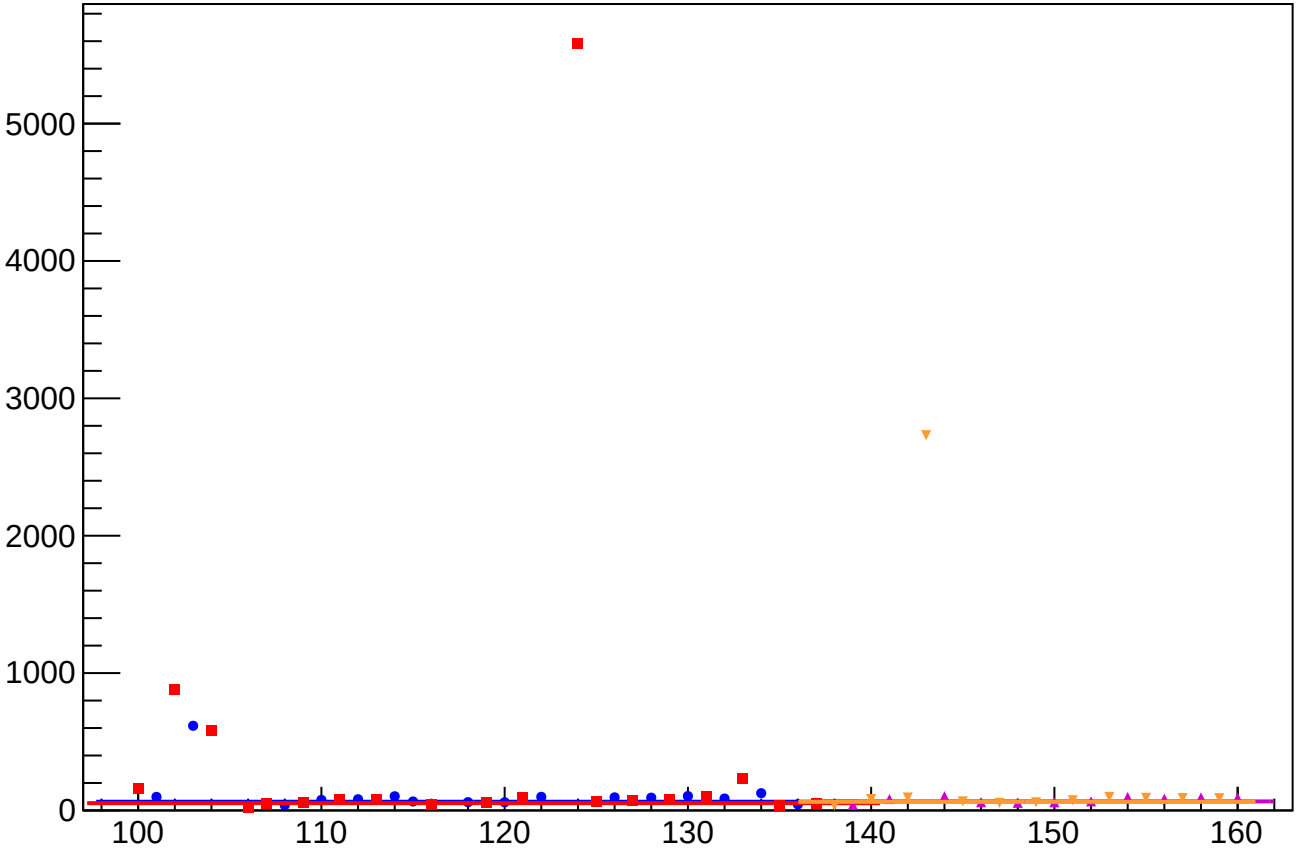
Left In: 0.008+/-0.023 χ^2/NDF:6.0/10

+ sign 0.035+/-0.018 χ^2/NDF: 34.8/27

All: 0.008+/-0.012 χ^2/NDF: 60.1/57

- 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: 62.845+/-0.017 χ^2/NDF:3263441.5/11

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

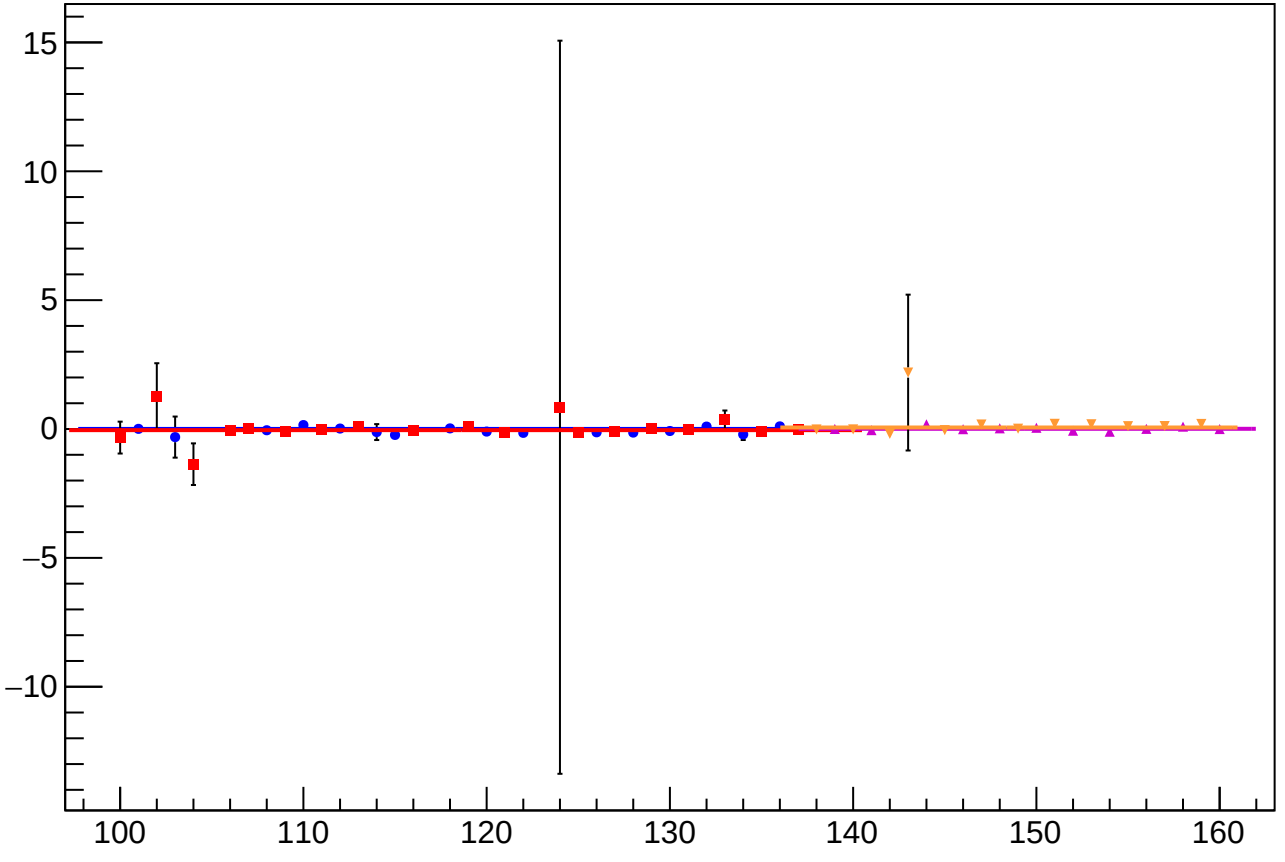
Left In: 65.814+/-0.016 χ^2/NDF:1469512.6/10

+ sign 63.105+/-0.013 χ^2/NDF: 5709270.8/27

All: 61.438+/-0.009 χ^2/NDF: 11432460.1/57

- 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: 0.059+/-0.023 χ^2/NDF:19.1/11

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

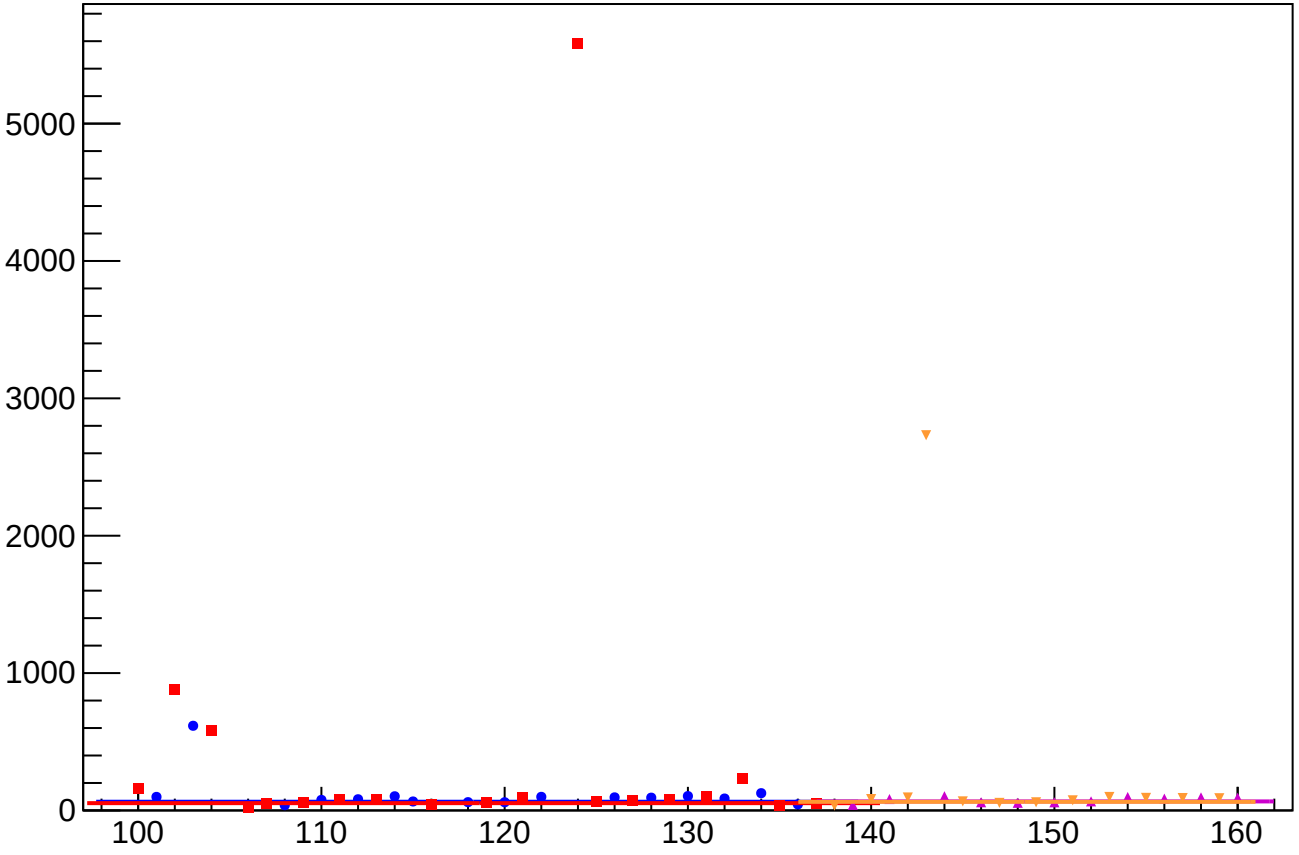
Left In: 0.008+/-0.023 χ^2/NDF:6.0/10

+ sign 0.035+/-0.018 χ^2/NDF: 34.8/27

All: 0.008+/-0.012 χ^2/NDF: 60.1/57

- 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: 62.845+/-0.017 χ^2/NDF:3263441.5/11

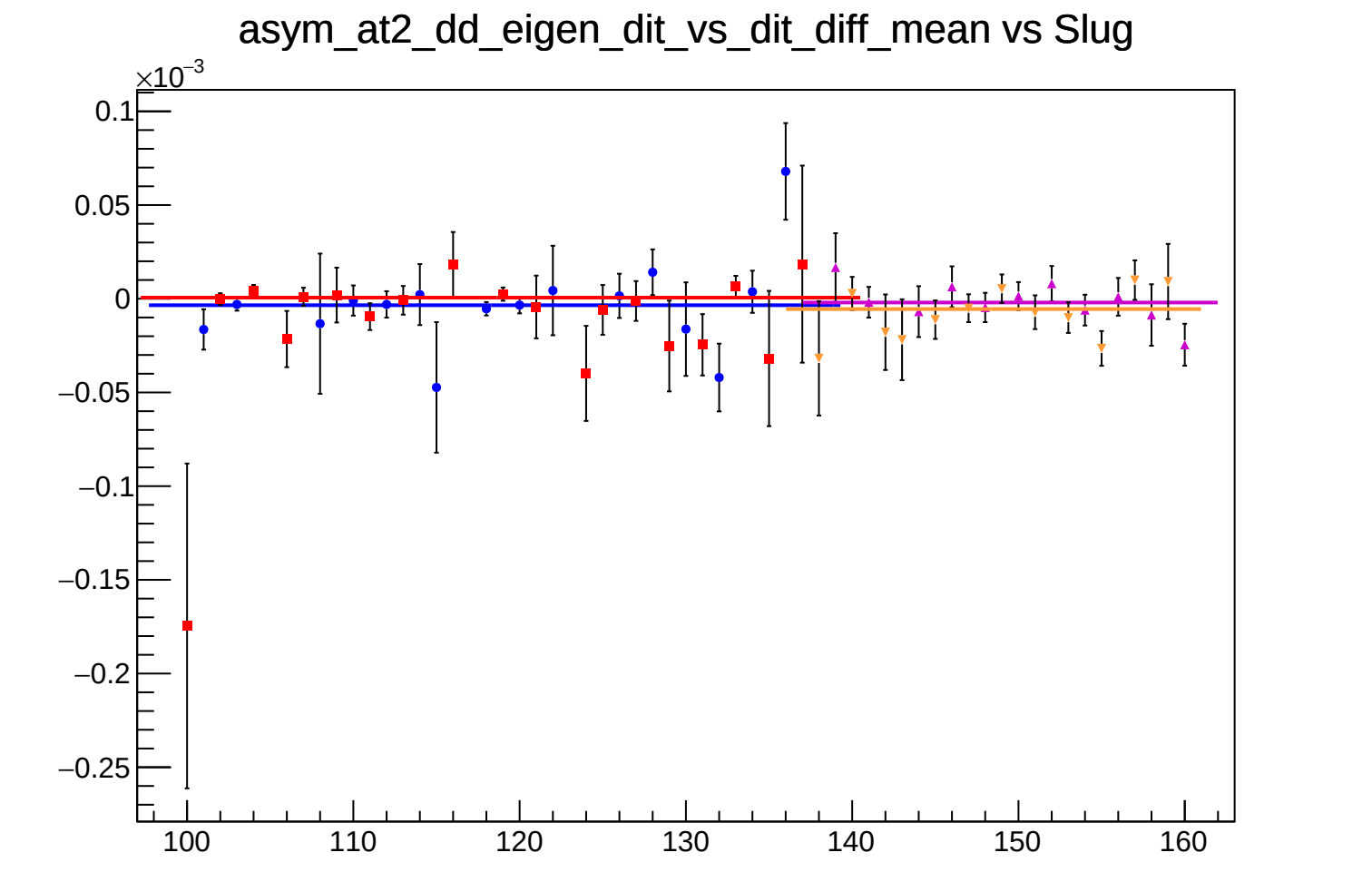
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 65.814+/-0.016 χ^2/NDF:1469512.6/10

+ sign 63.105+/-0.013 χ^2/NDF: 5709270.8/27

All: 61.438+/-0.009 χ^2/NDF: 11432460.1/57

- 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:13.1/11

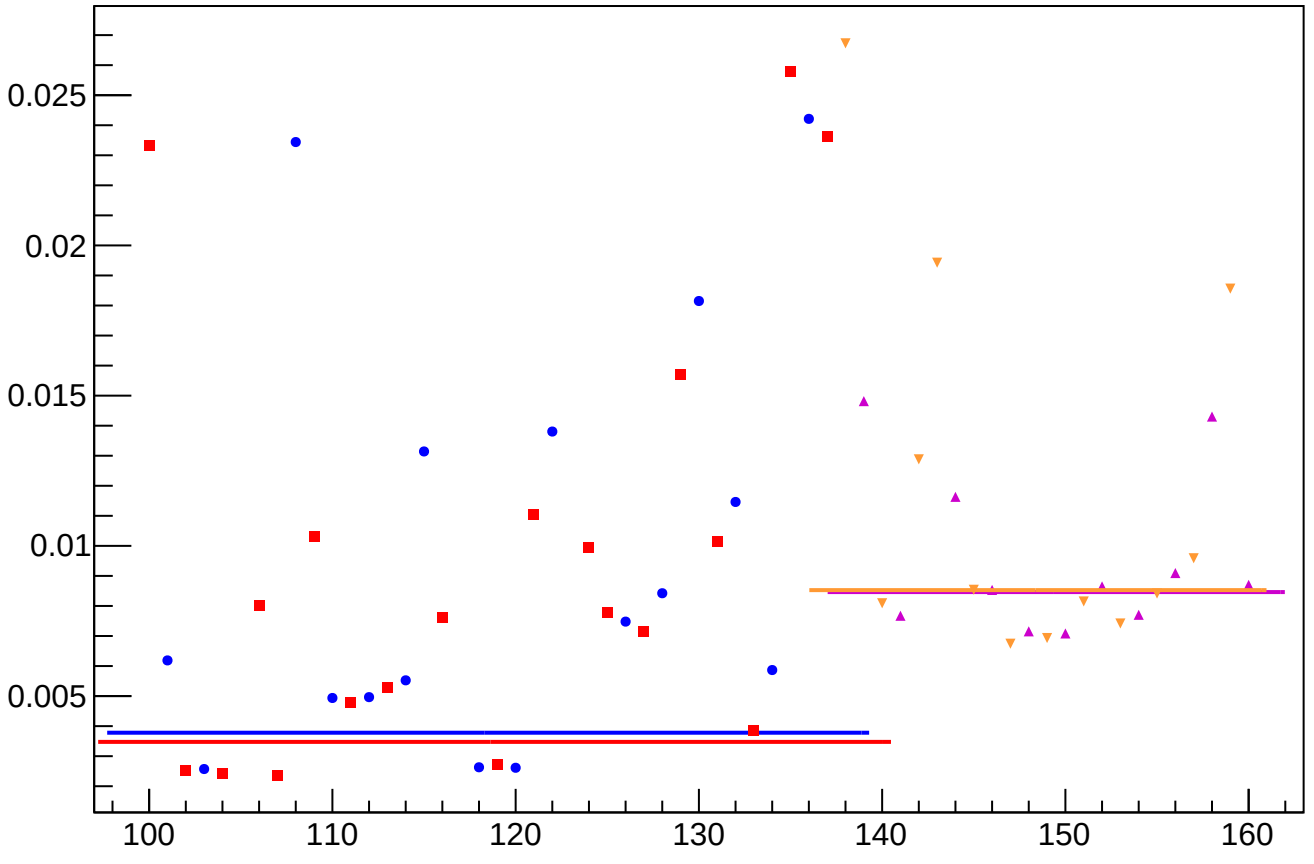
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 32.3/27

All: -0.000+/-0.000 χ^2/NDF: 63.8/57

- sign 0.000+/-0.000 χ^2/NDF: 27.6/29



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:2084910.7/11

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

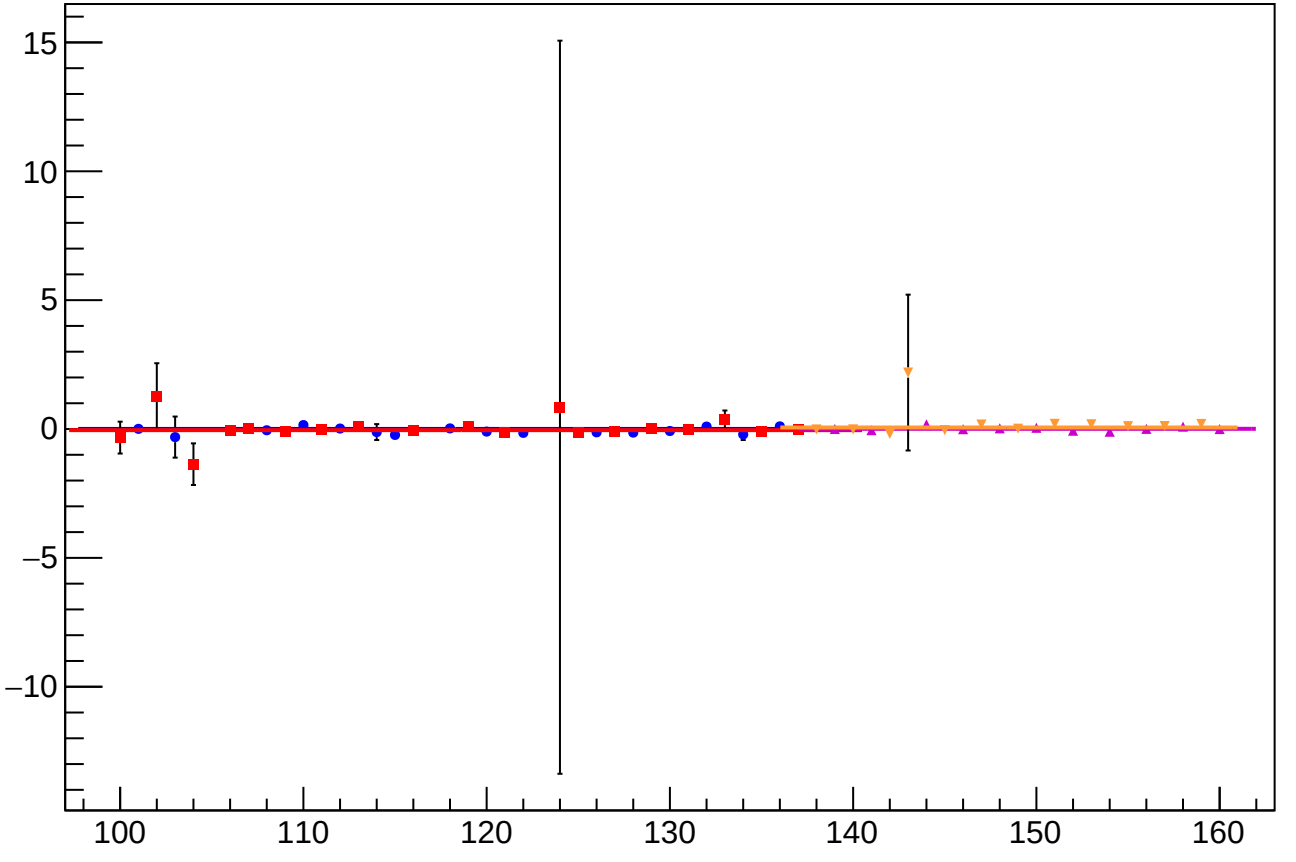
Left In: 0.008+/-0.000 χ^2/NDF:773929.5/10

+ sign 0.005+/-0.000 χ^2/NDF: 10523919.4/27

All: 0.005+/-0.000 χ^2/NDF: 20379403.2/57

- 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: 0.059+/-0.023 χ^2/NDF:19.1/11

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

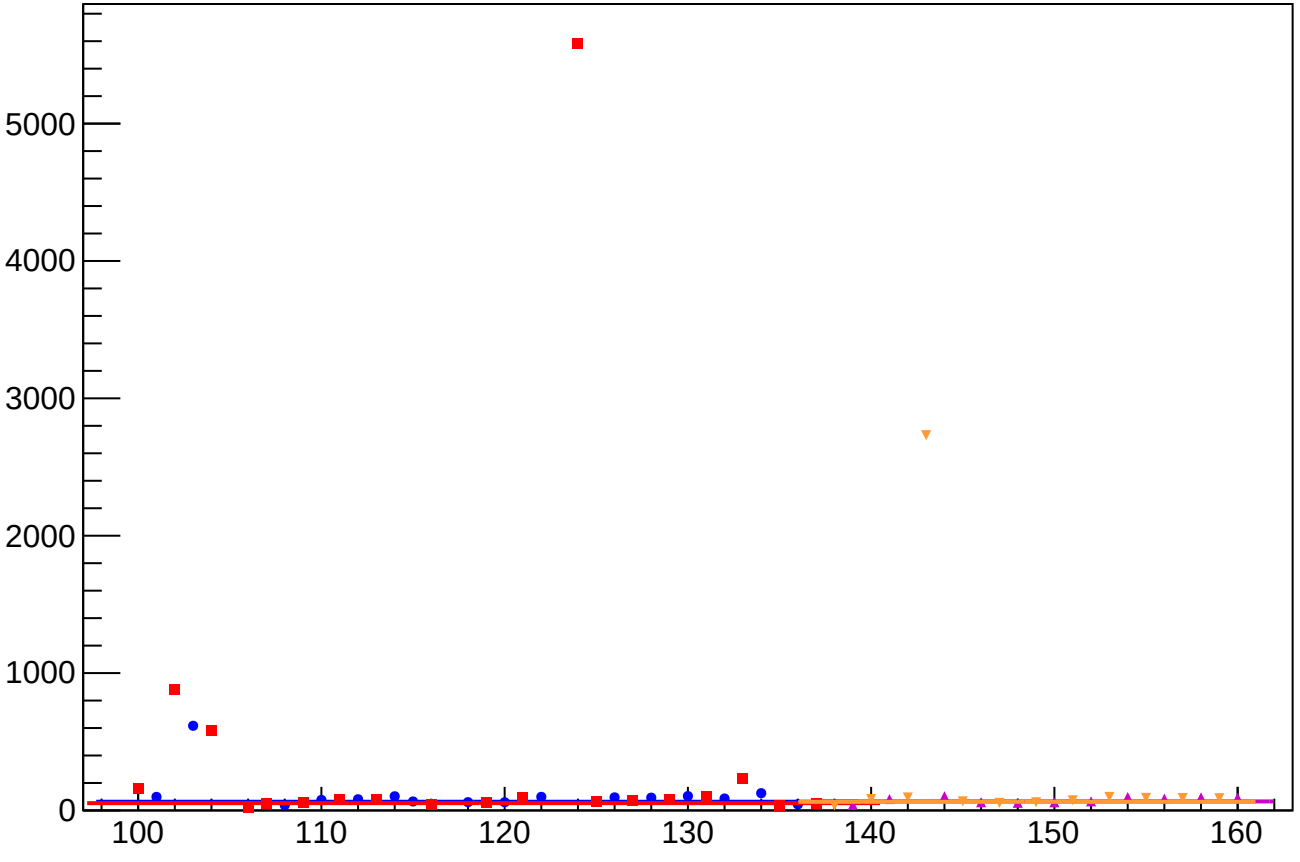
Left In: 0.008+/-0.023 χ^2/NDF:6.0/10

+ sign 0.035+/-0.018 χ^2/NDF: 34.8/27

All: 0.008+/-0.012 χ^2/NDF: 60.1/57

- 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: 62.843+/-0.017 χ^2/NDF:3263569.2/11

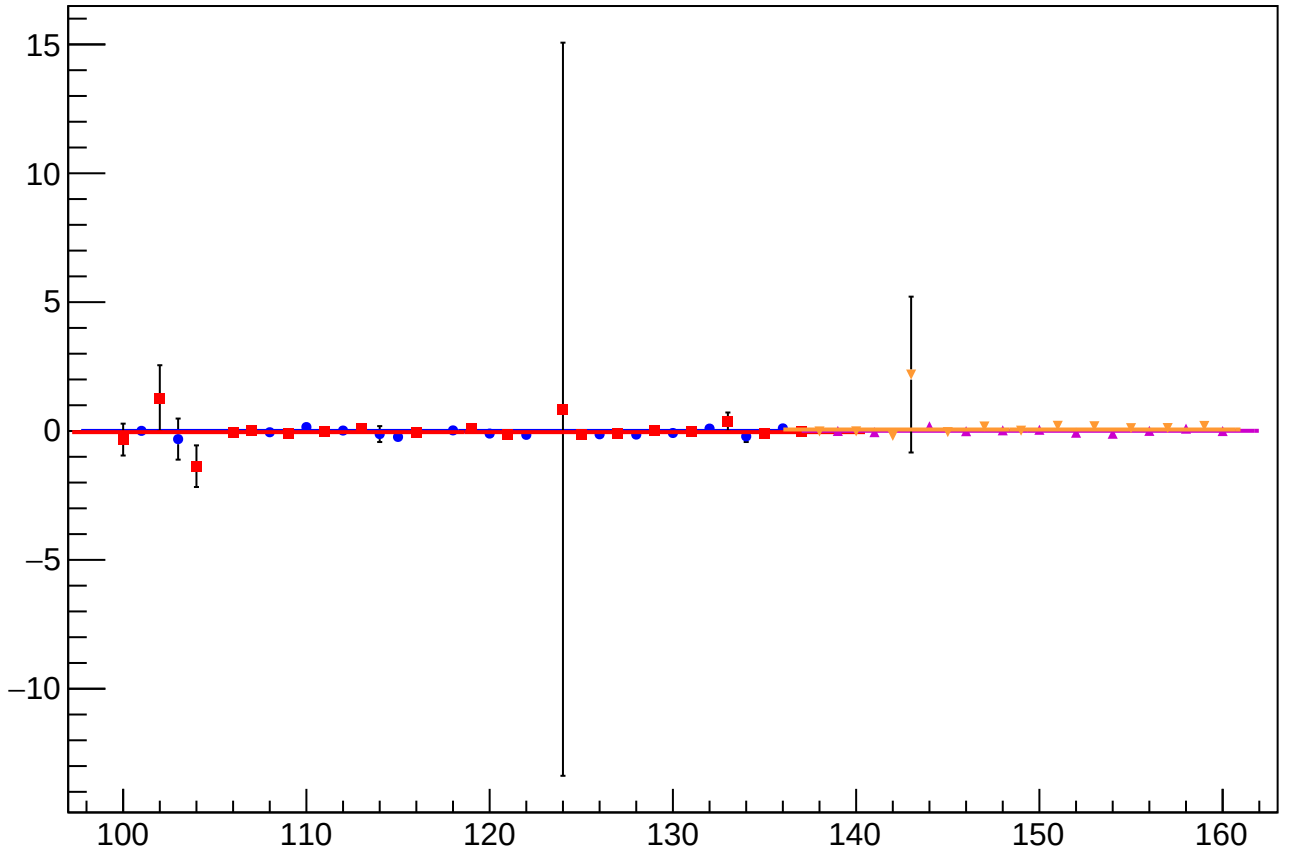
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 65.817+/-0.016 χ^2/NDF:1469122.0/10

+ sign 63.108+/-0.013 χ^2/NDF: 5708520.9/27

All: 61.438+/-0.009 χ^2/NDF: 11432329.9/57

- 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: 0.059+/-0.023 χ^2/NDF:19.1/11

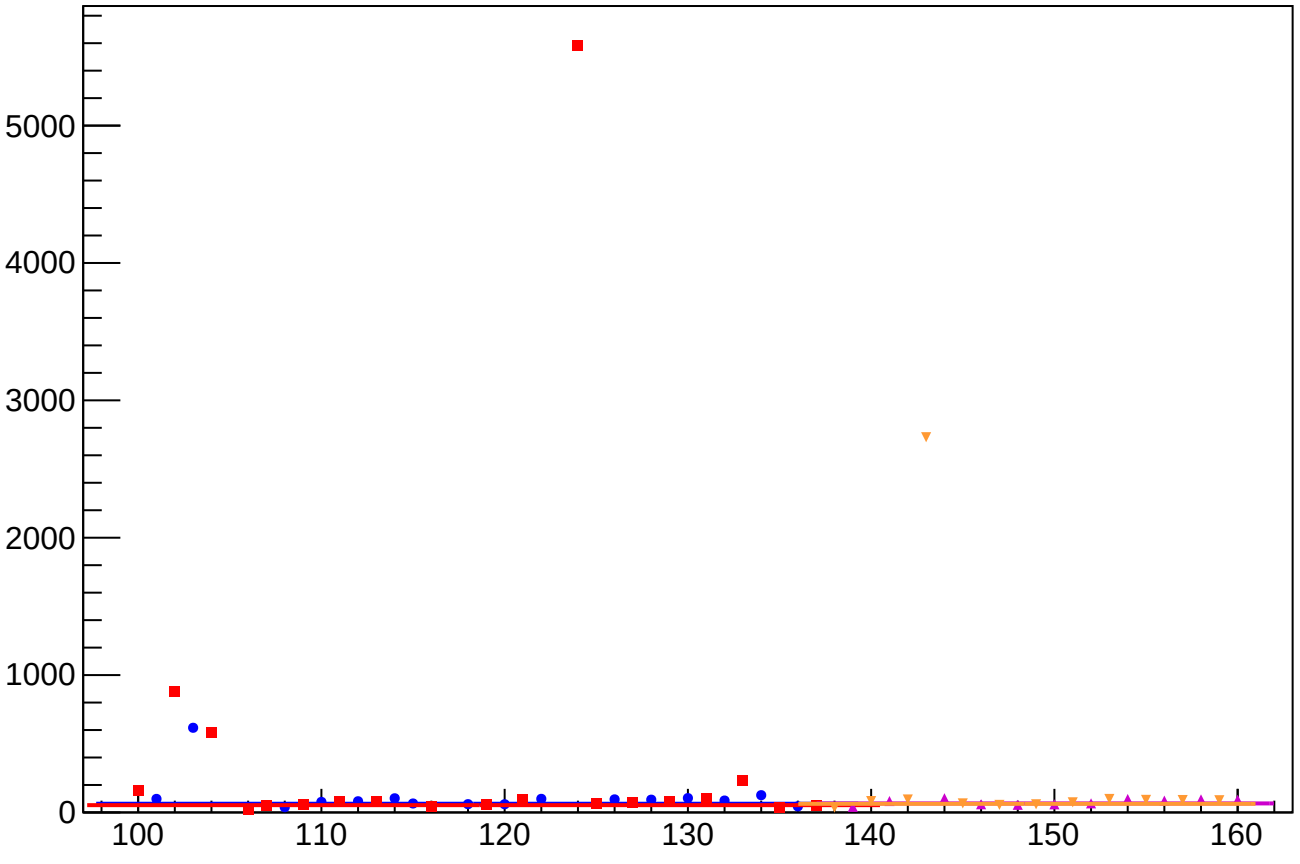
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.008+/-0.023 χ^2/NDF:6.0/10

+ sign 0.035+/-0.018 χ^2/NDF: 34.8/27

All: 0.008+/-0.012 χ^2/NDF: 60.1/57

- sign -0.016+/-0.017 χ^2/NDF: 21.0/29



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 62.843+/-0.017 χ^2/NDF:3263569.2/11

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

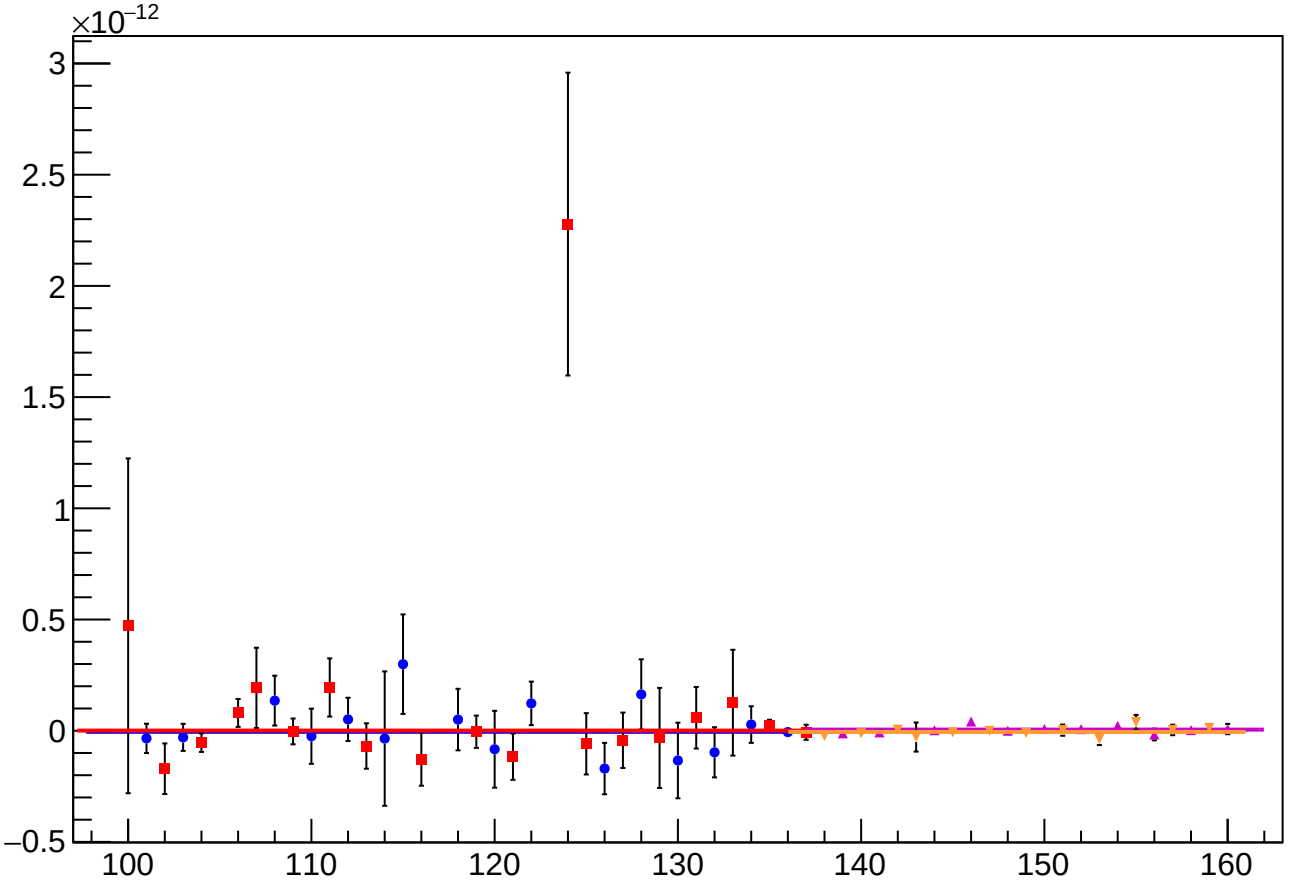
Left In: 65.817+/-0.016 χ^2/NDF:1469122.0/10

+ sign 63.108+/-0.013 χ^2/NDF: 5708520.9/27

All: 61.438+/-0.009 χ^2/NDF: 11432329.9/57

- 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:7.4/11

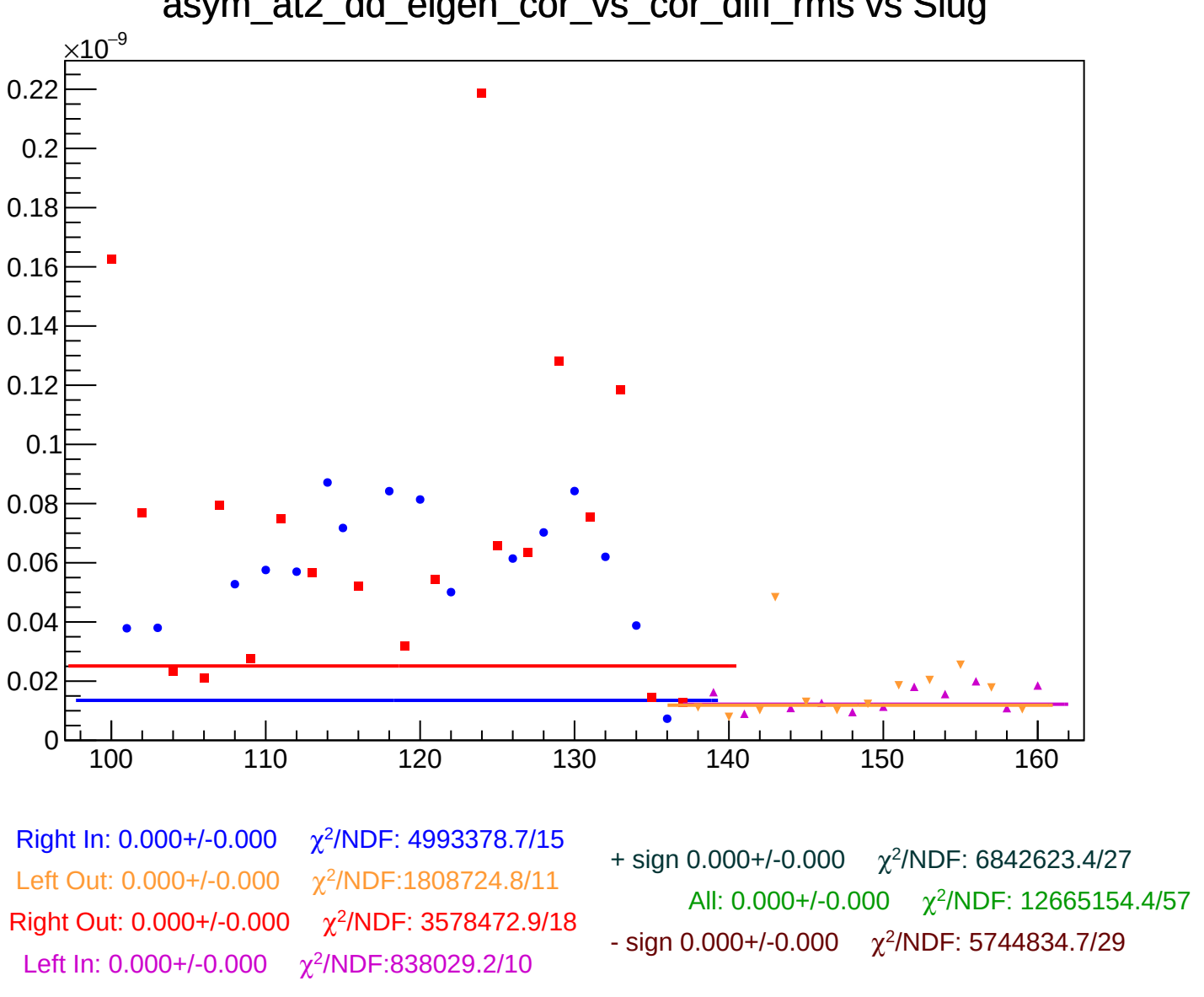
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/10

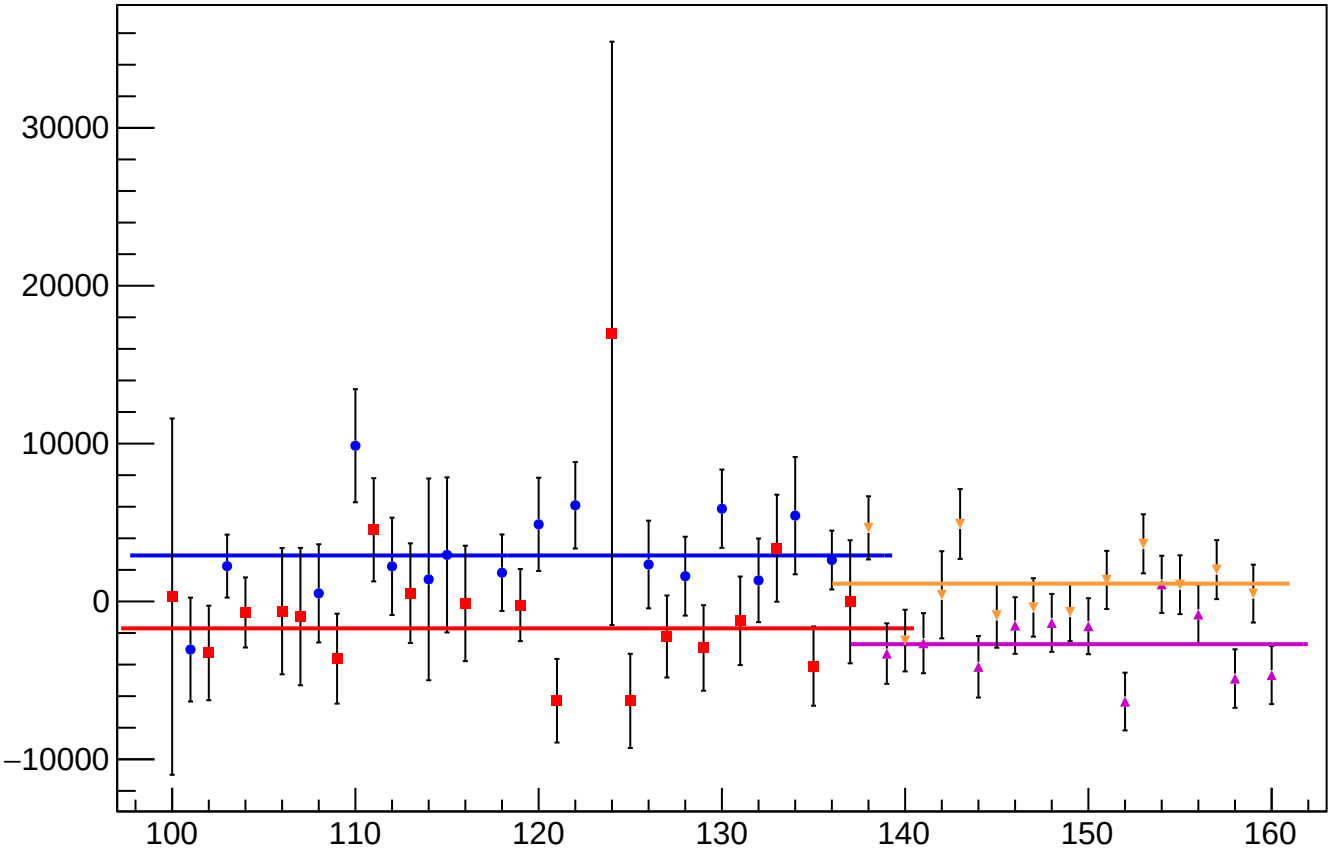
+ sign -0.000+/-0.000 χ^2/NDF: 18.2/27

All: -0.000+/-0.000 χ^2/NDF: 53.9/57

- 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:1808724.8/11
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: 6842623.4/27
All: 0.000+/-0.000 χ²/NDF: 12665154.4/57
- 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: 1128.677+/-565.781 χ^2/NDF:14.3/11

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

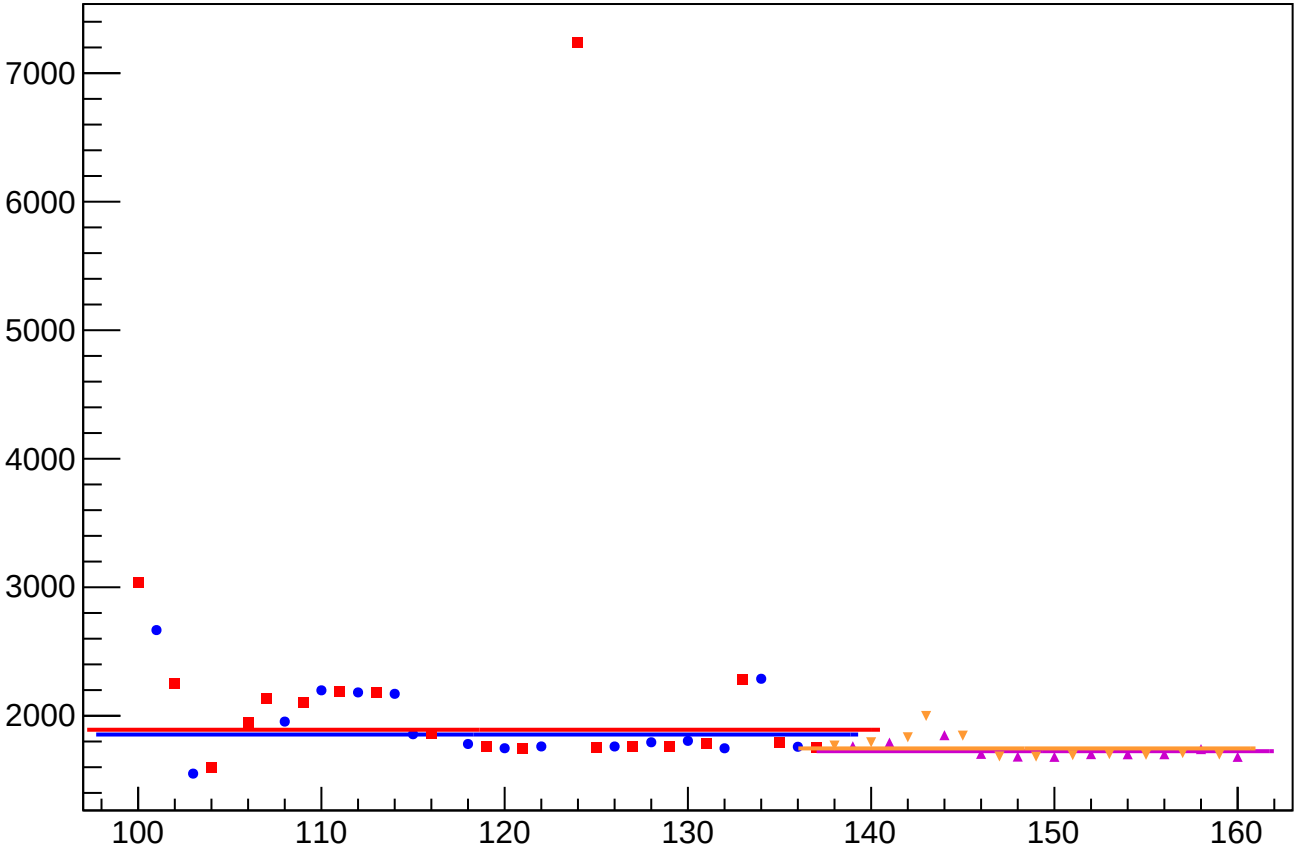
Left In: -2707.423+/-558.064 χ^2/NDF:13.9/10

+ sign 1839.783+/-438.788 χ^2/NDF: 30.7/27

All: -245.057+/-309.993 χ^2/NDF: 106.7/57

- 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: 1746.236+/-0.400 χ^2/NDF:45140.6/11

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

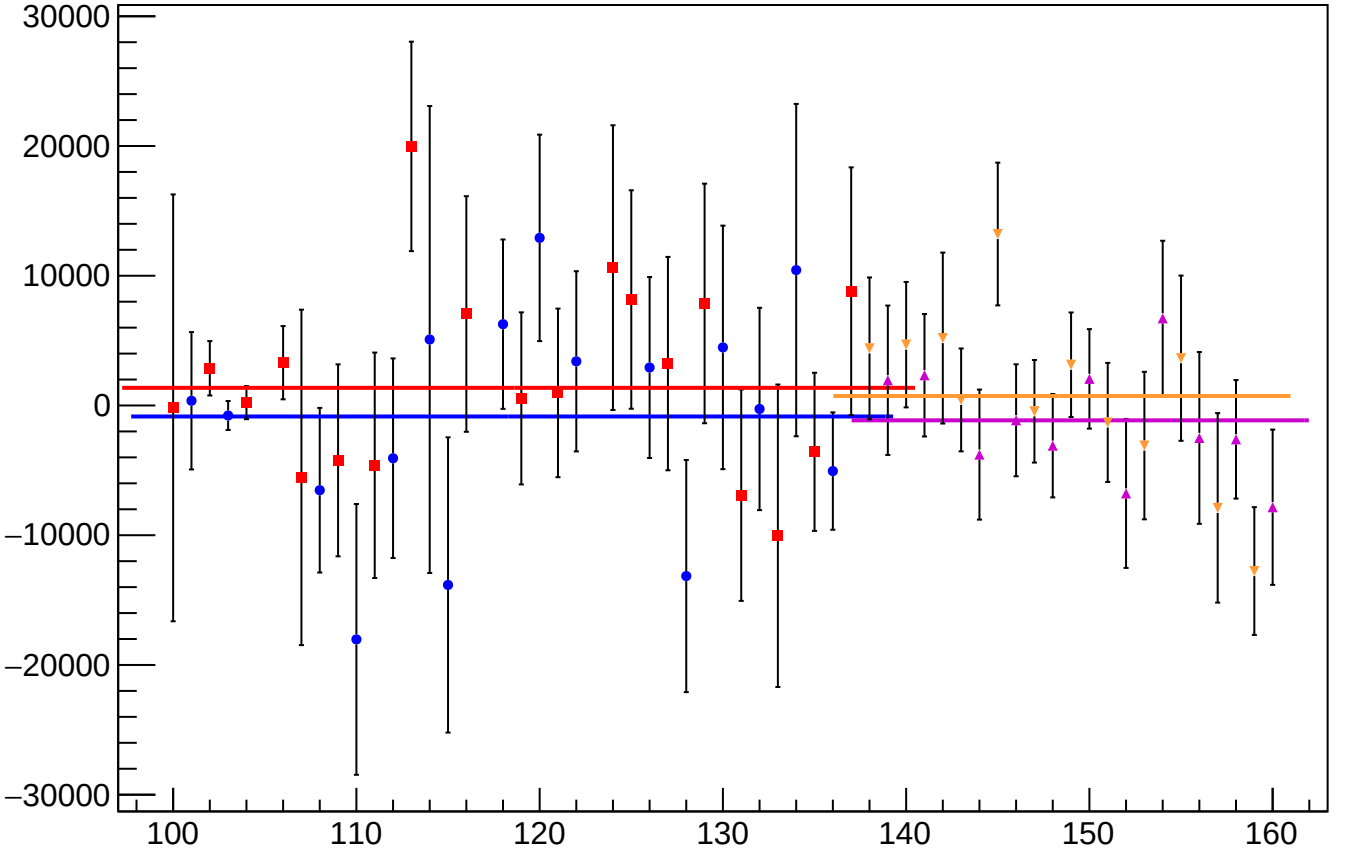
Left In: 1724.702+/-0.395 χ^2/NDF:16260.2/10

+ sign 1789.308+/-0.310 χ^2/NDF: 337548.3/27

All: 1789.114+/-0.219 χ^2/NDF: 786635.3/57

- 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: 731.997+/-1436.434 χ^2/NDF:16.9/11

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

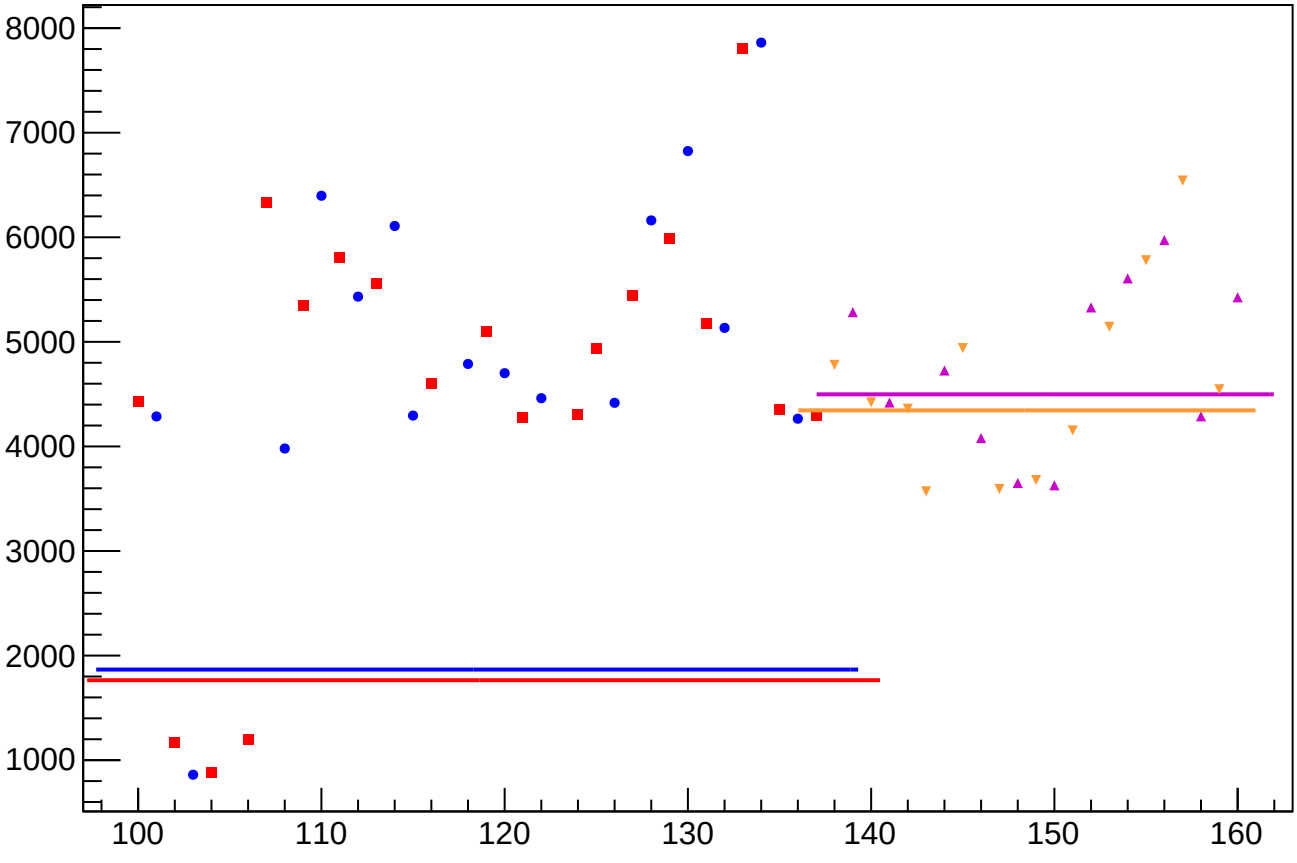
Left In: -1146.139+/-1480.062 χ^2/NDF:6.1/10

+ sign -358.110+/-799.834 χ^2/NDF: 31.6/27

All: 168.125+/-558.001 χ^2/NDF: 54.7/57

- 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: 4344.922+/-1.016 χ^2/NDF:569056.7/11

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

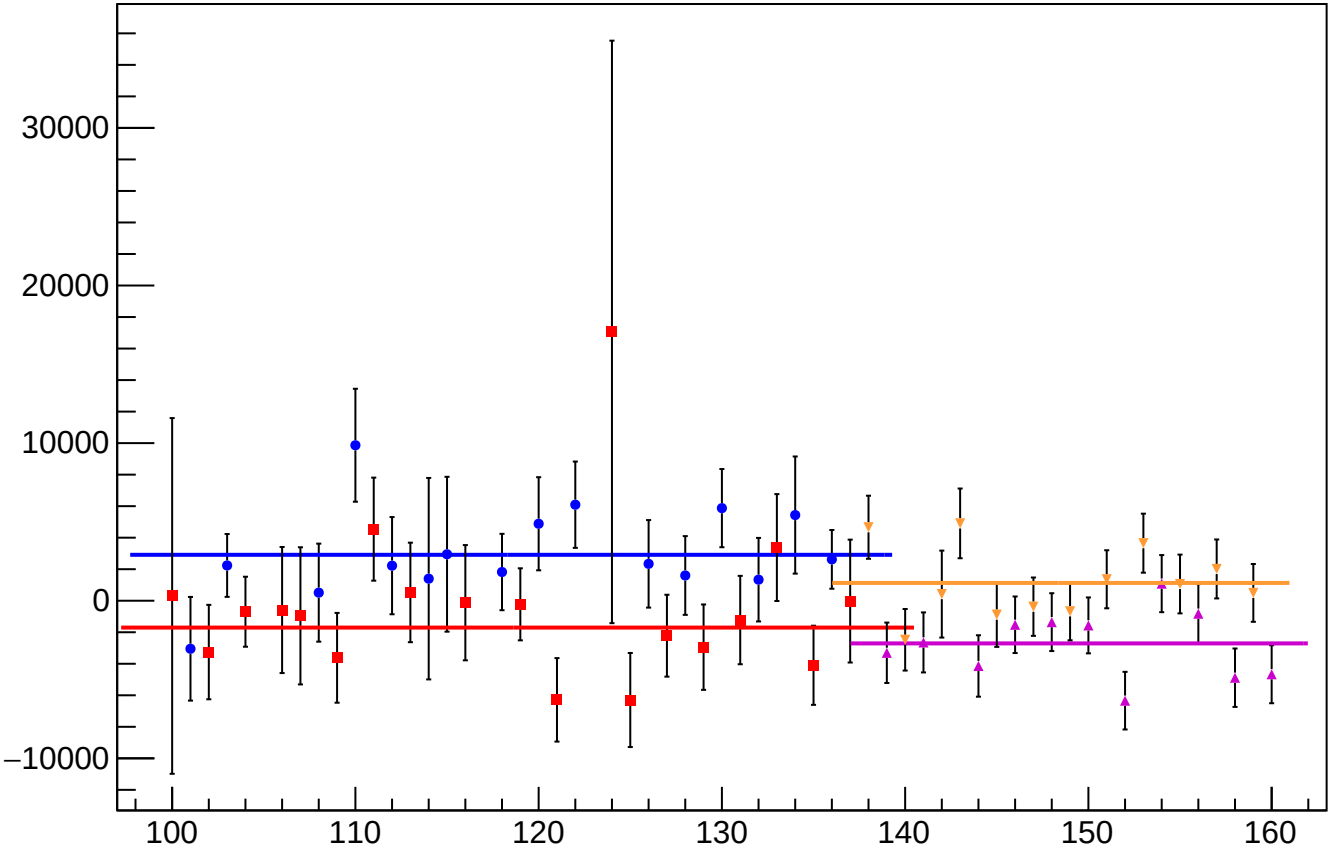
Left In: 4498.236+/-1.047 χ^2/NDF:516304.3/10

+ sign 2634.863+/-0.566 χ^2/NDF: 11526992.7/27

All: 2576.602+/-0.395 χ^2/NDF: 23433259.5/5

- 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: 1128.489+/-565.781 χ^2/NDF:14.3/11

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

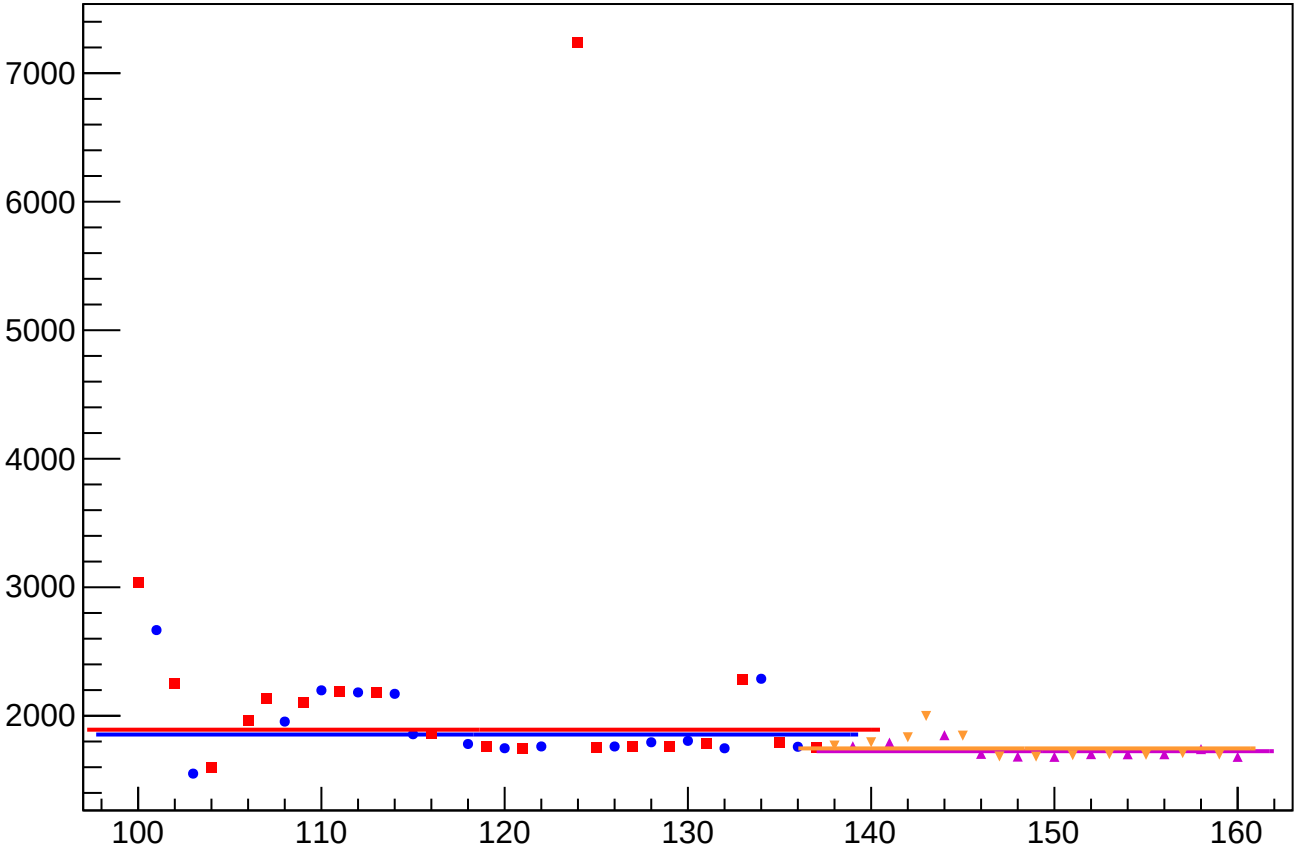
Left In: -2707.540+/-558.064 χ^2/NDF:13.9/10

+ sign 1839.710+/-438.788 χ^2/NDF: 30.7/27

All: -244.864+/-309.993 χ^2/NDF: 106.7/57

- 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: 1746.236+/-0.400 χ^2/NDF:45140.6/11

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

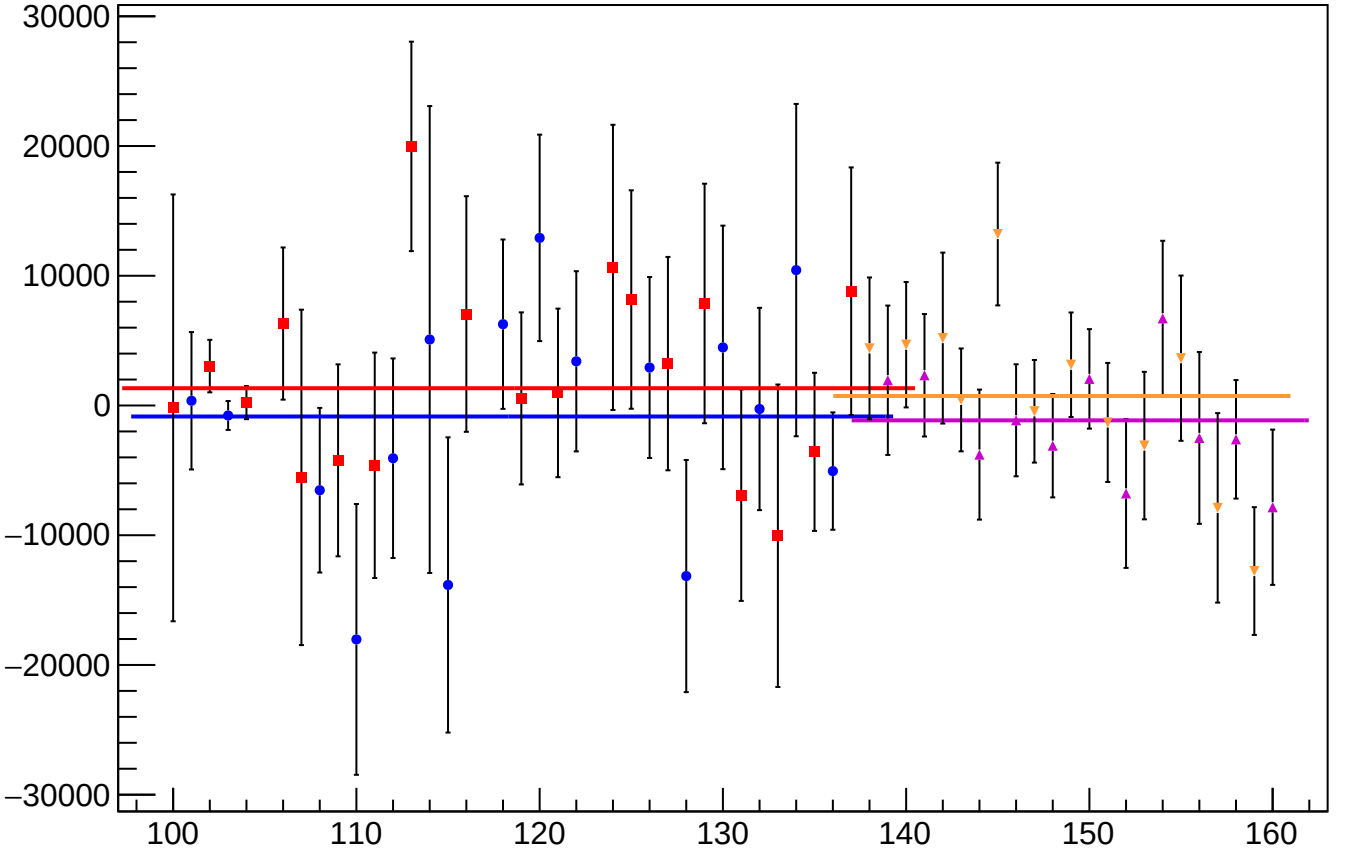
Left In: 1724.702+/-0.395 χ^2/NDF:16260.2/10

+ sign 1789.308+/-0.310 χ^2/NDF: 337548.2/27

All: 1789.193+/-0.219 χ^2/NDF: 787235.5/57

- 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: 731.903+/-1436.432 χ^2/NDF:16.9/11

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

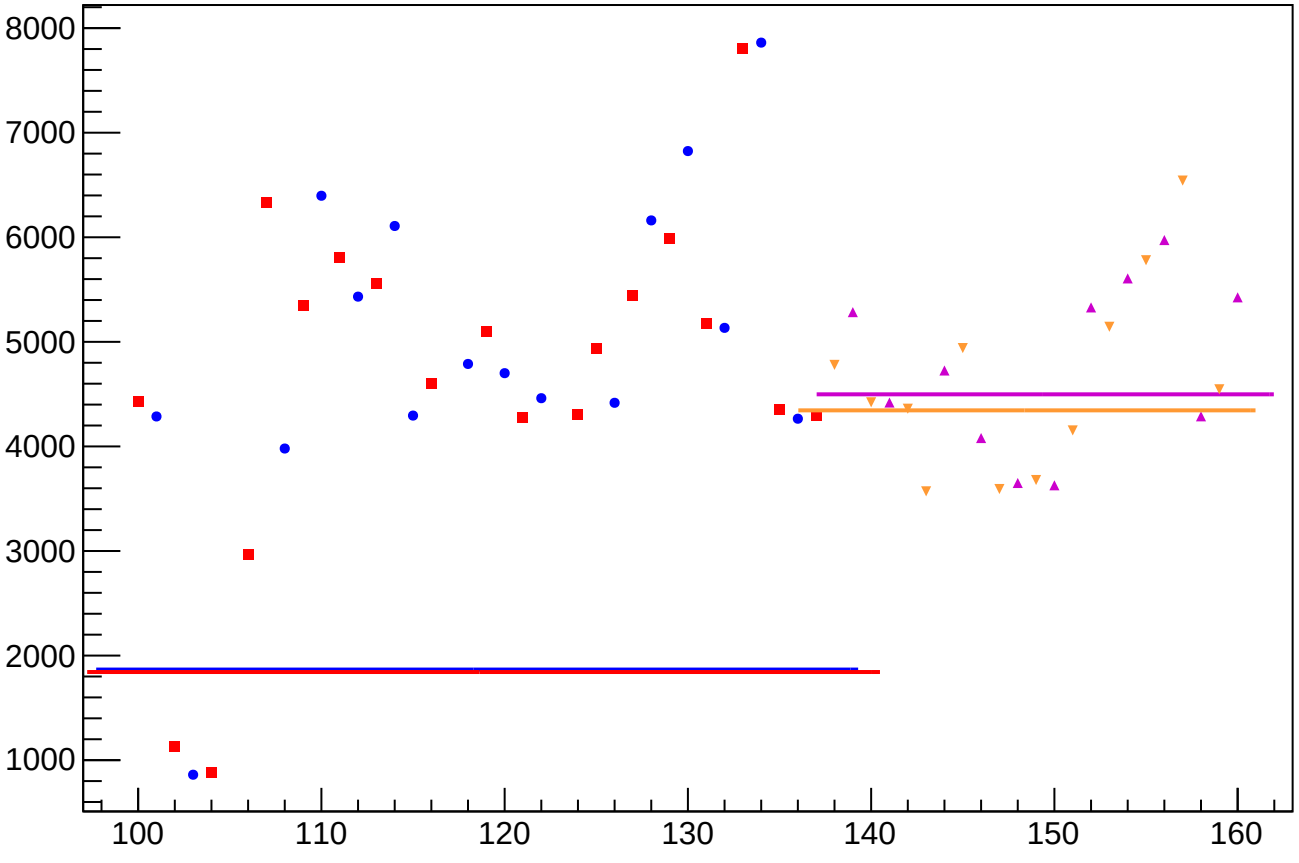
Left In: -1146.262+/-1480.062 χ^2/NDF:6.1/10

\+ sign -357.849+/-799.803 χ^2/NDF: 31.6/27

All: 127.149+/-565.044 χ^2/NDF: 54.9/57

\- 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: 4344.917+/-1.016 χ^2/NDF:569068.7/11

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

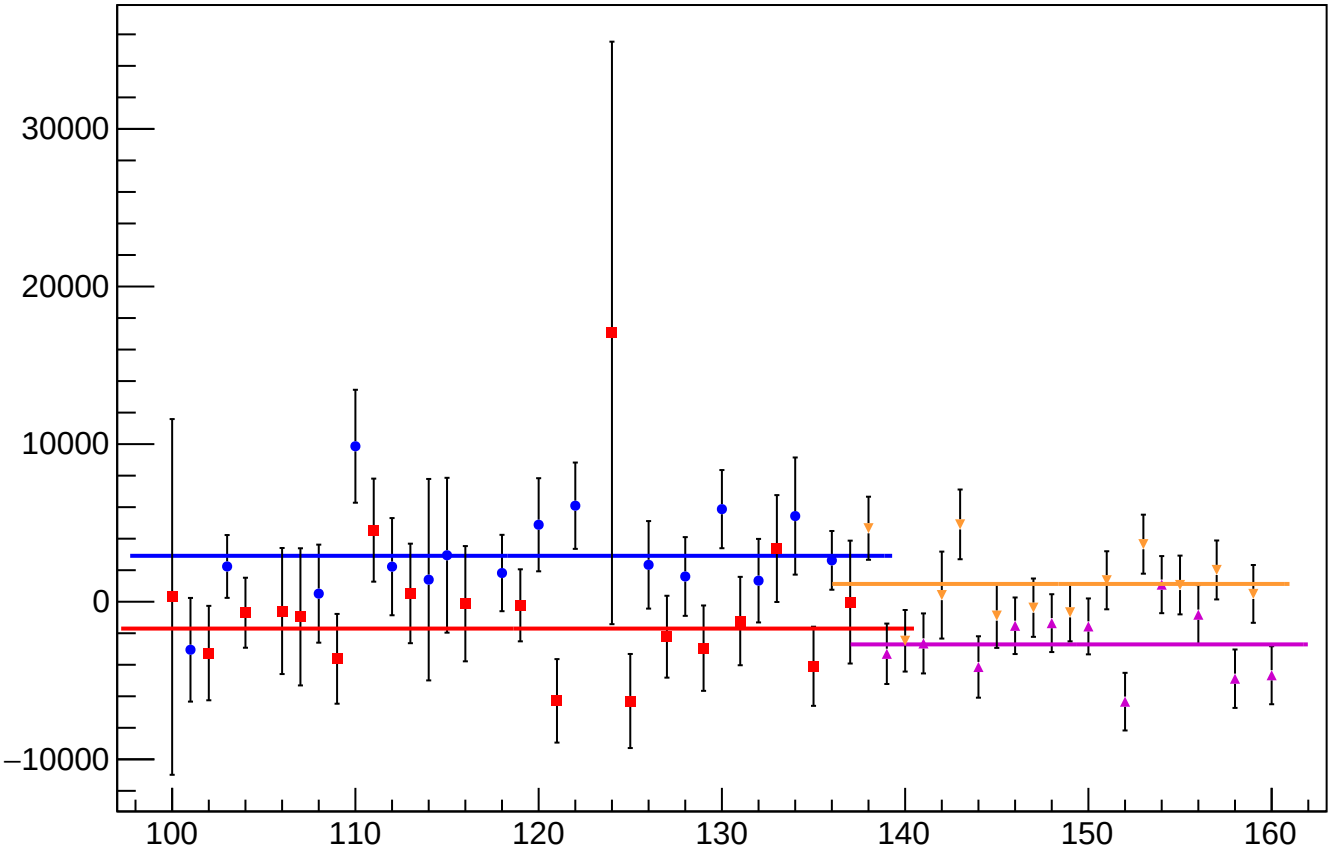
Left In: 4498.235+/-1.047 χ^2/NDF:516315.8/10

+ sign 2634.698+/-0.566 χ^2/NDF: 11528067.0/27

All: 2625.101+/-0.400 χ^2/NDF: 23067699.7/5

- 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: 1128.489+/-565.781 χ^2/NDF:14.3/11

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

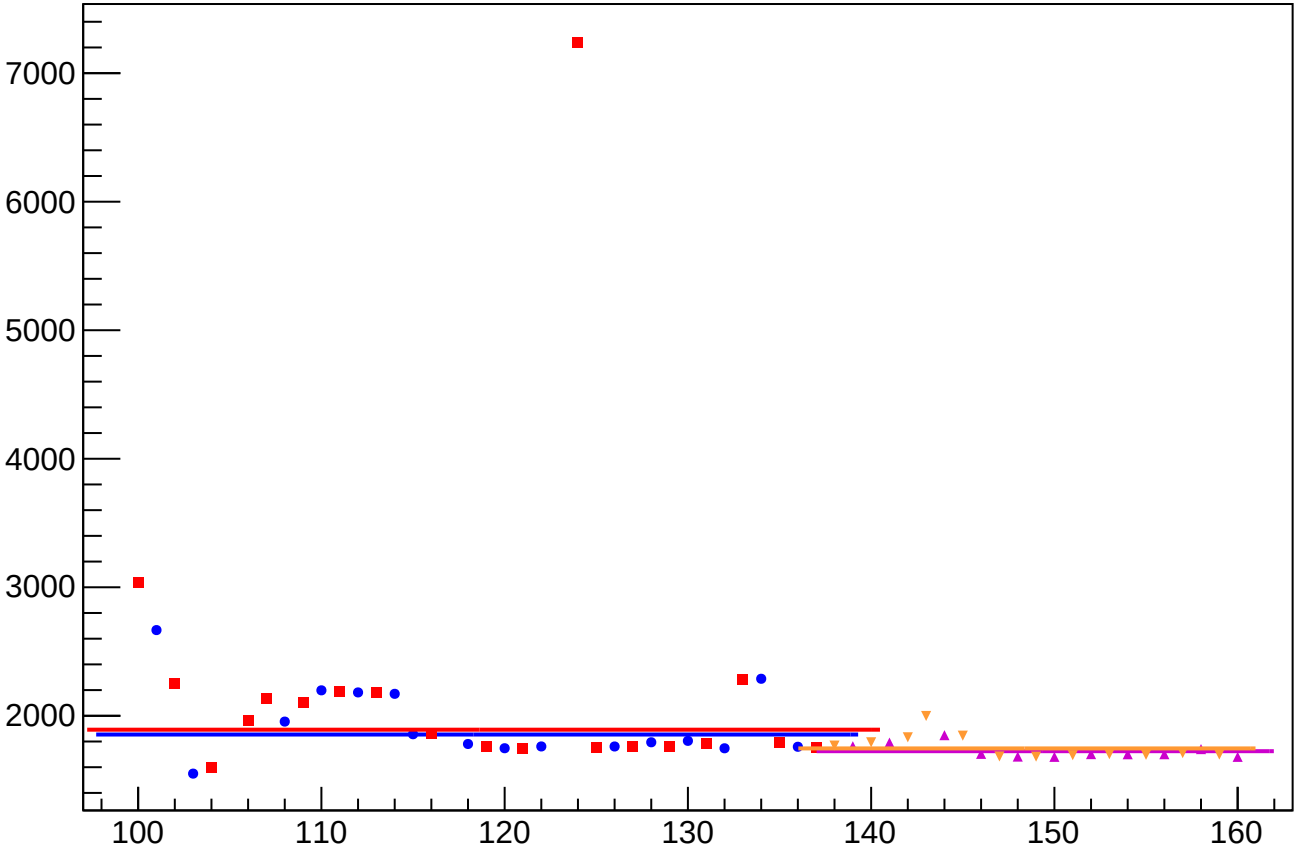
Left In: -2707.540+/-558.064 χ^2/NDF:13.9/10

+ sign 1839.710+/-438.788 χ^2/NDF: 30.7/27

All: -244.864+/-309.993 χ^2/NDF: 106.7/57

- 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: 1746.236+/-0.400 χ^2/NDF:45140.6/11

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

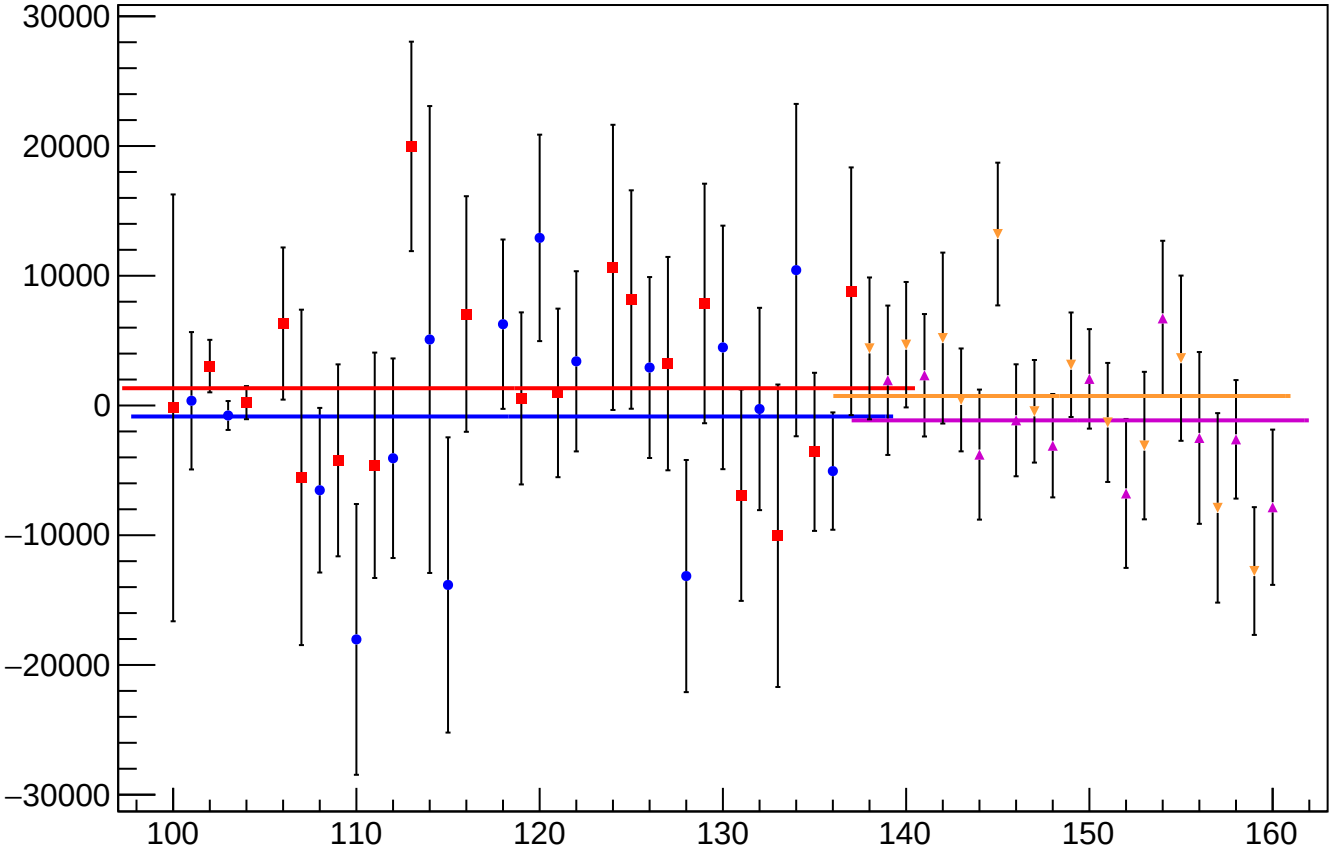
Left In: 1724.702+/-0.395 χ^2/NDF:16260.2/10

+ sign 1789.308+/-0.310 χ^2/NDF: 337548.2/27

All: 1789.193+/-0.219 χ^2/NDF: 787235.5/57

- sign 1789.079+/-0.309 χ^2/NDF: 449687.0/29

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 731.903+/-1436.432 χ^2/NDF:16.9/11

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

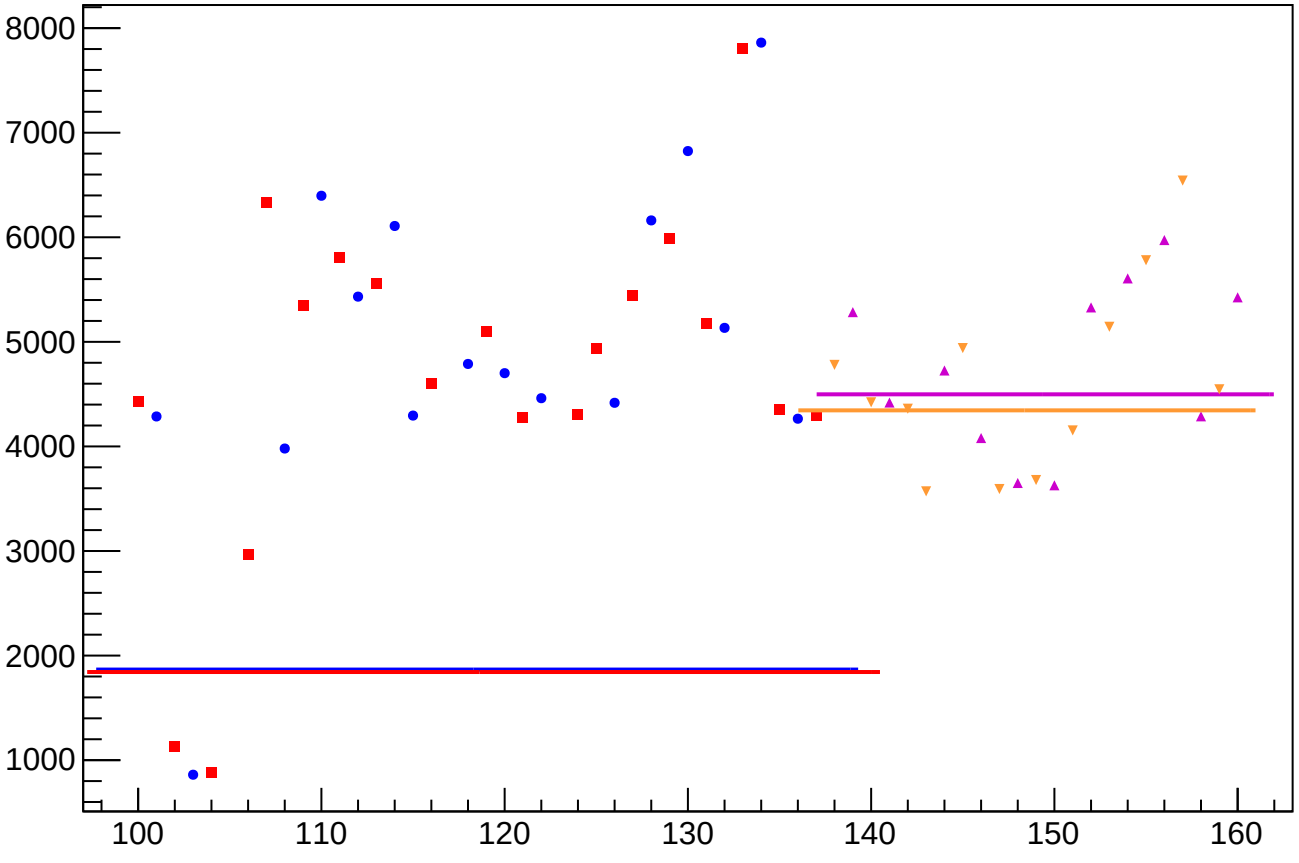
Left In: -1146.262+/-1480.062 χ^2/NDF:6.1/10

+ sign -357.849+/-799.803 χ^2/NDF: 31.6/27

All: 127.149+/-565.044 χ^2/NDF: 54.9/57

- 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: 4344.917+/-1.016 χ^2/NDF:569068.7/11

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

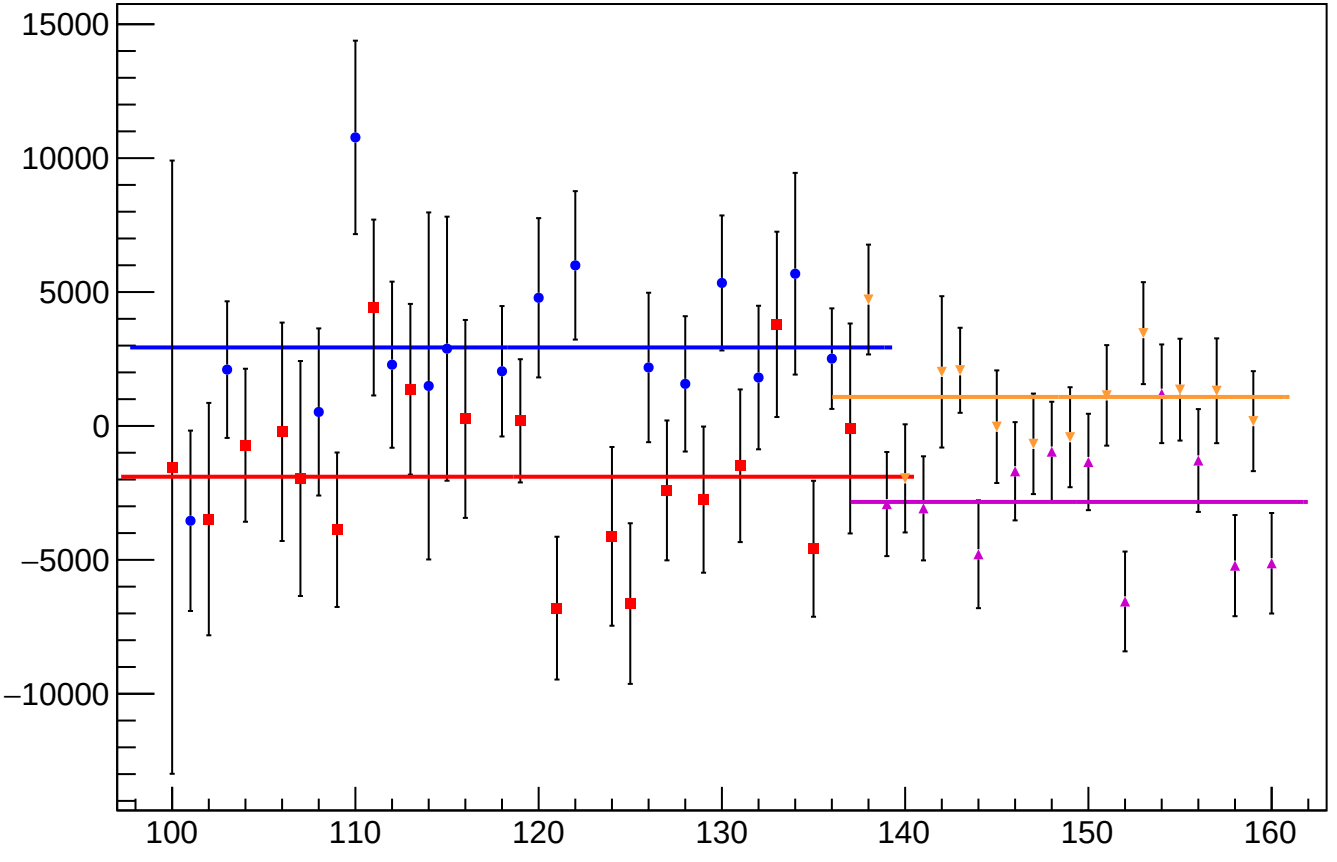
Left In: 4498.235+/-1.047 χ^2/NDF:516315.8/10

+ sign 2634.698+/-0.566 χ^2/NDF: 11528067.0/27

All: 2625.101+/-0.400 χ^2/NDF: 23067699.7/5

- 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: 1083.579+/-560.195 χ^2/NDF:9.6/11

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

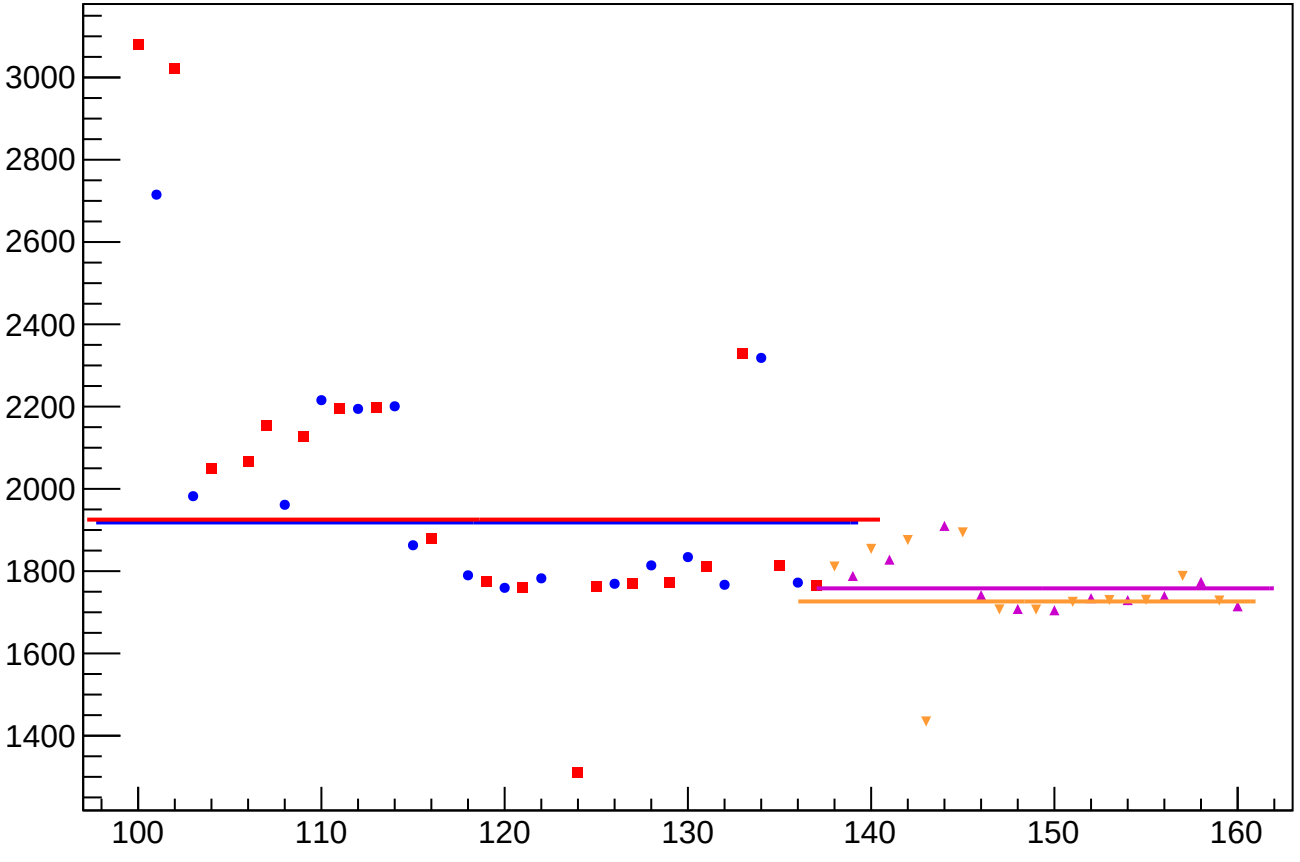
Left In: -2837.315+/-568.969 χ^2/NDF:15.6/10

+ sign 1782.524+/-441.740 χ^2/NDF: 26.7/27

All: -322.373+/-314.156 χ^2/NDF: 106.6/57

- 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: 1726.355+/-0.396 χ^2/NDF:99738.2/11

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

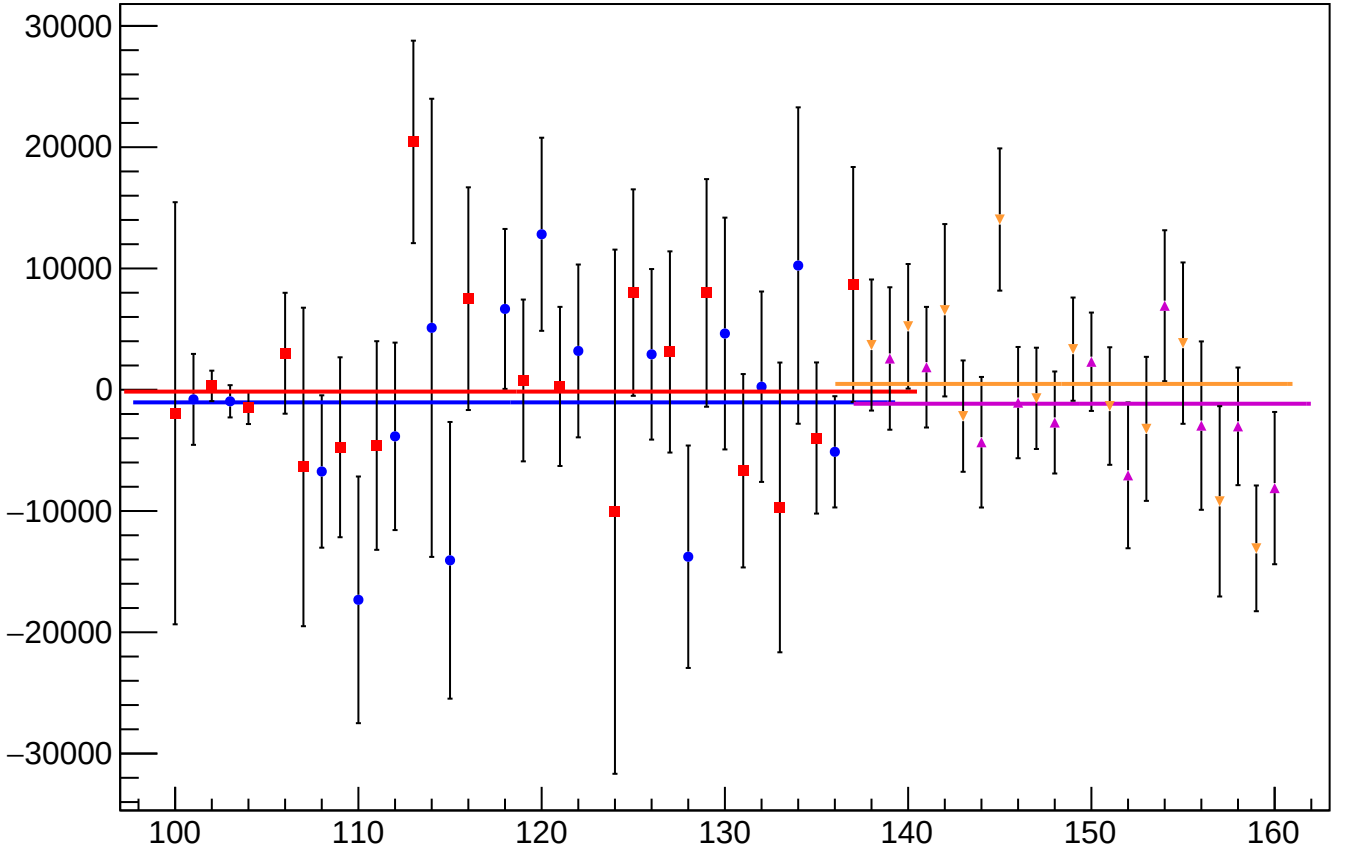
Left In: 1758.168+/-0.402 χ^2/NDF:20029.4/10

+ sign 1798.973+/-0.312 χ^2/NDF: 404194.9/27

All: 1810.481+/-0.222 χ^2/NDF: 832218.7/57

- sign 1822.251+/-0.316 χ^2/NDF: 425277.9/29

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 479.903+/-1528.508 χ^2/NDF:17.3/11

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

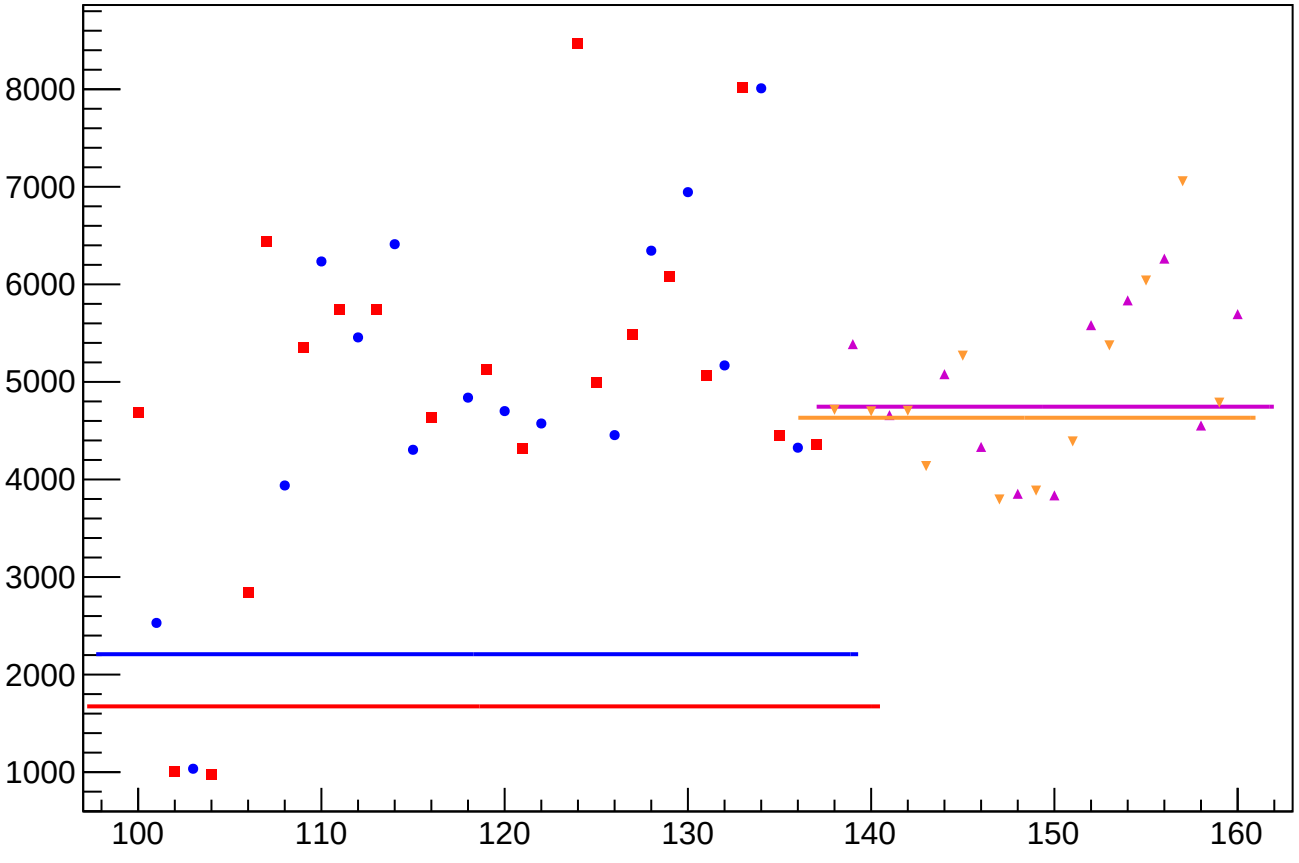
Left In: -1154.178+/-1560.158 χ^2/NDF:6.1/10

\+ sign -539.908+/-877.888 χ^2/NDF: 31.8/27

All: -444.121+/-564.298 χ^2/NDF: 52.0/57

\- sign -376.678+/-736.642 χ^2/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: 4632.745+/-1.081 χ^2/NDF:508210.0/11

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

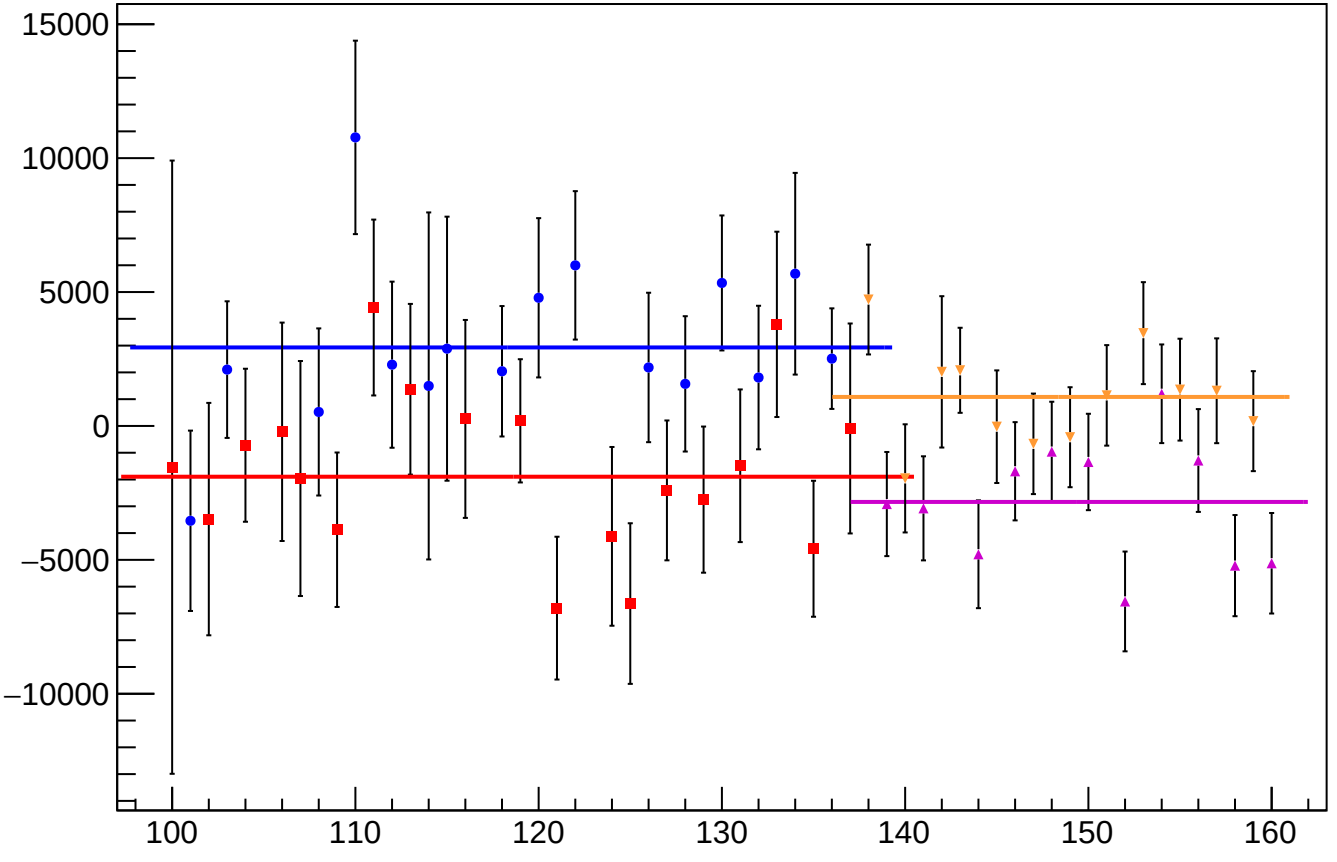
Left In: 4746.013+/-1.103 χ^2/NDF:483169.0/10

+ sign 3008.461+/-0.621 χ^2/NDF: 9377449.9/27

All: 2627.333+/-0.399 χ^2/NDF: 23381125.5/5

- 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: 1083.572+/-560.195 χ^2/NDF:9.6/11

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

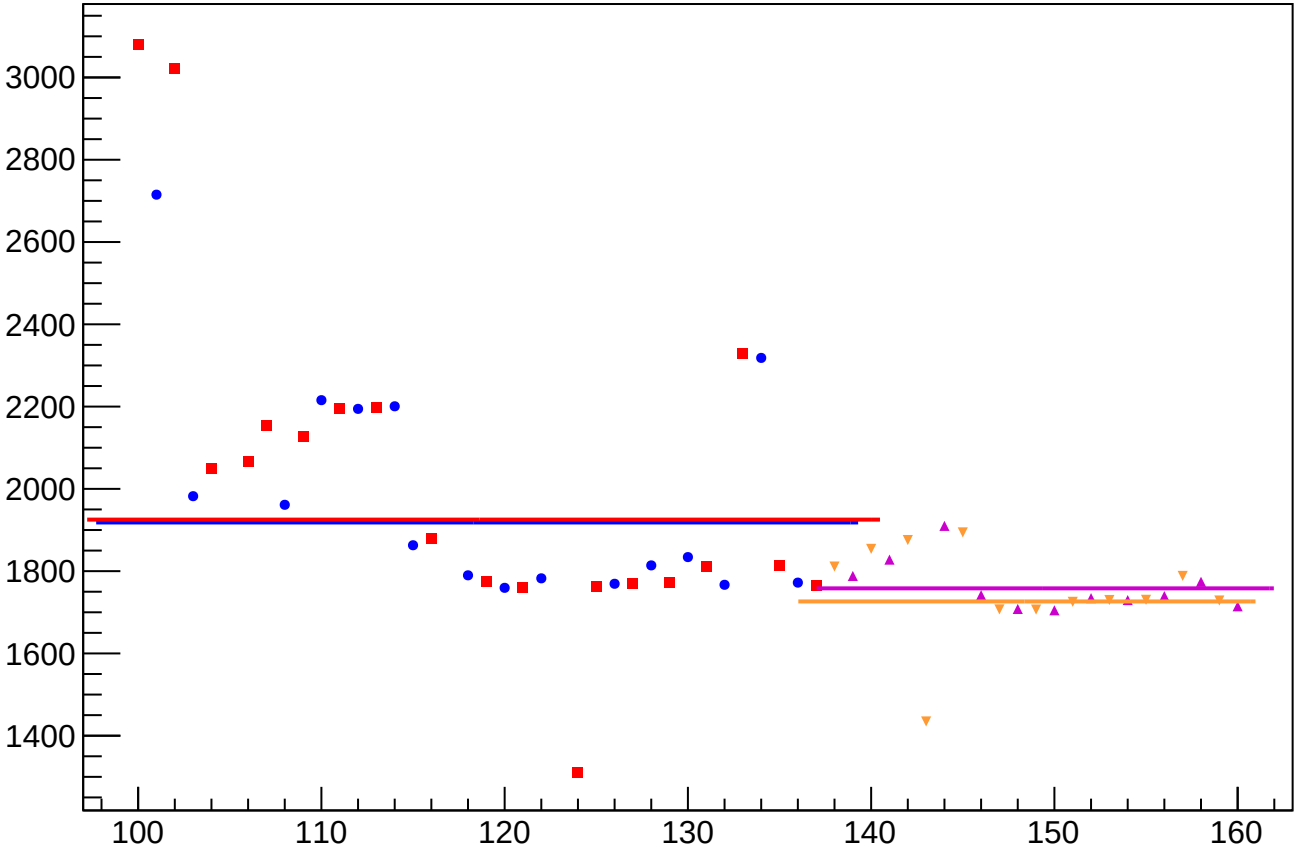
Left In: -2837.315+/-568.969 χ^2/NDF:15.6/10

+ sign 1782.521+/-441.740 χ^2/NDF: 26.7/27

All: -322.375+/-314.156 χ^2/NDF: 106.6/57

- 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: 1726.356+/-0.396 χ^2/NDF:99737.2/11

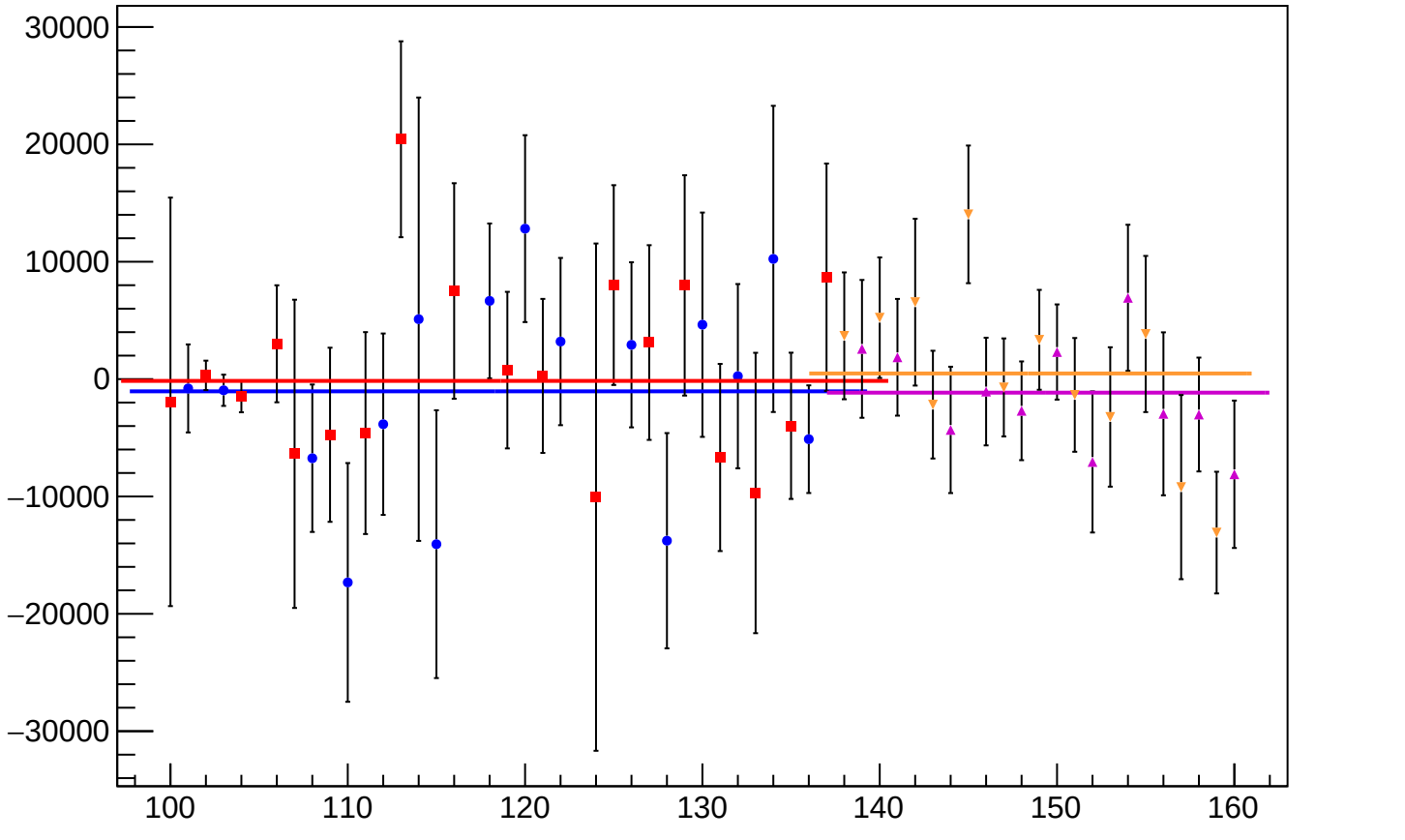
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1758.169+/-0.402 χ^2/NDF:20029.4/10

+ sign 1798.973+/-0.312 χ^2/NDF: 404192.6/27

All: 1810.482+/-0.222 χ^2/NDF: 832214.1/57

- 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: 479.900+/-1528.510 χ^2/NDF:17.3/11

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

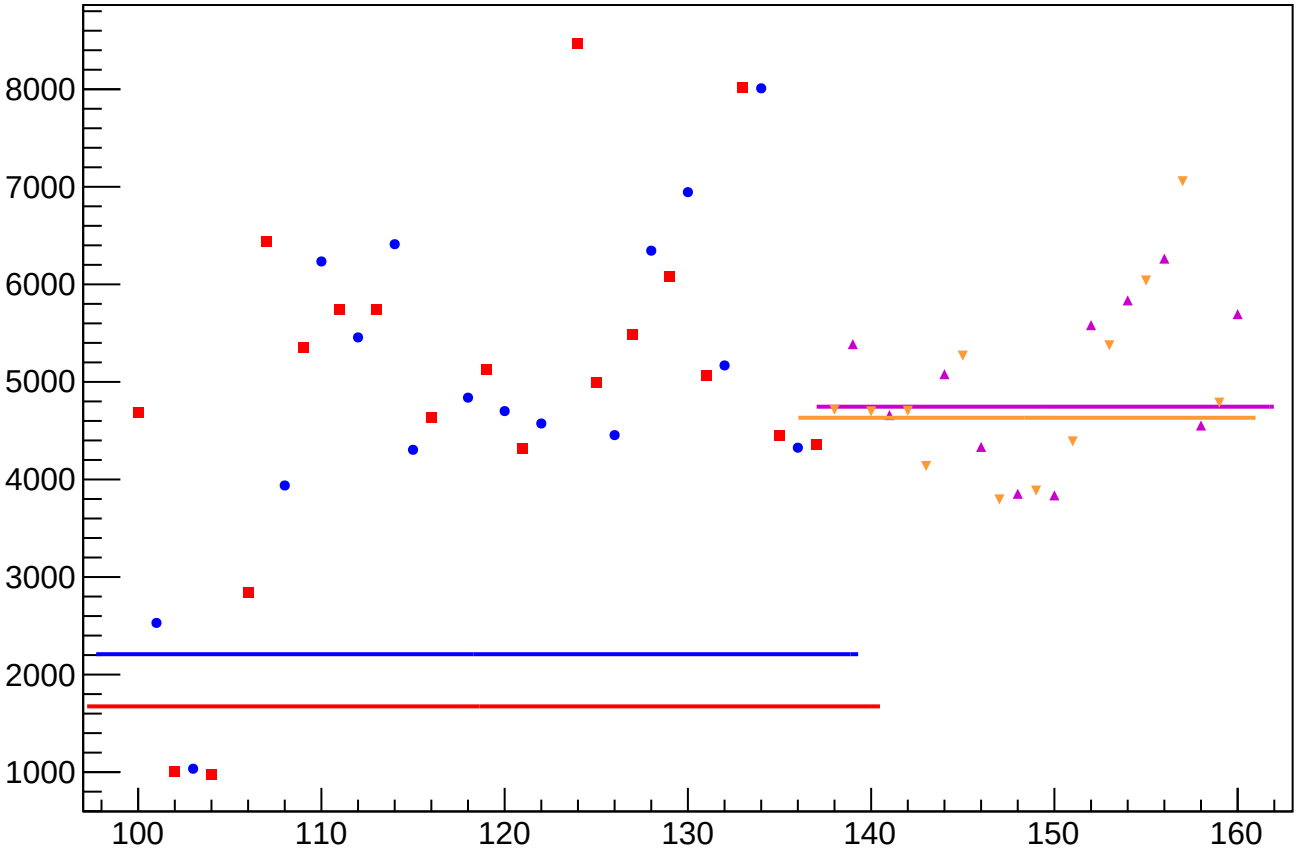
Left In: -1154.176+/-1560.160 χ^2/NDF:6.1/10

+ sign -539.910+/-877.888 χ^2/NDF: 31.8/27

All: -444.119+/-564.298 χ^2/NDF: 52.0/57

- 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: 4632.752+/-1.081 χ^2/NDF:508208.0/11

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

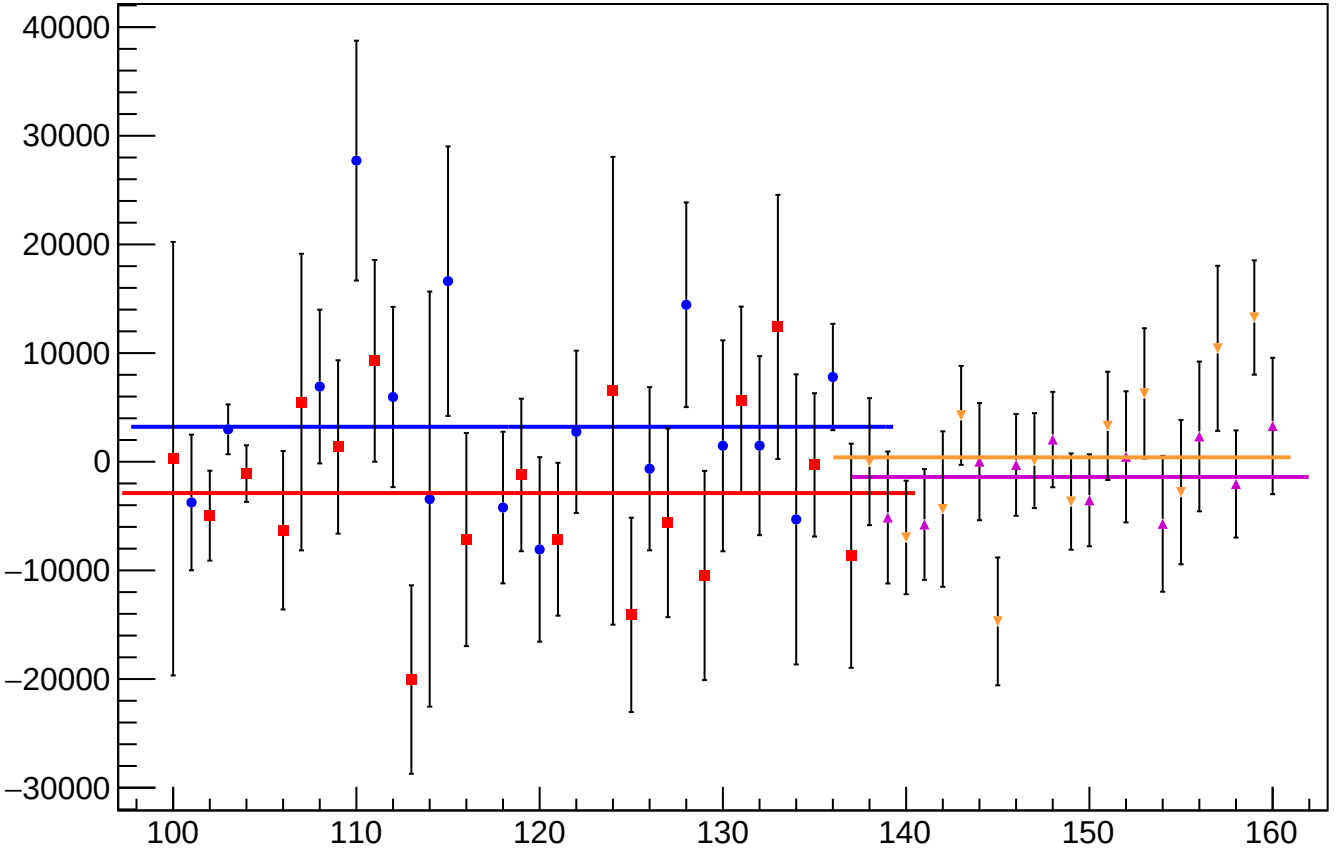
Left In: 4746.020+/-1.103 χ^2/NDF:483166.4/10

+ sign 3008.461+/-0.621 χ^2/NDF: 9377457.3/27

All: 2627.332+/-0.399 χ^2/NDF: 23381139.0/5

- 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: 402.185+/-1561.347 χ^2/NDF:19.9/11

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

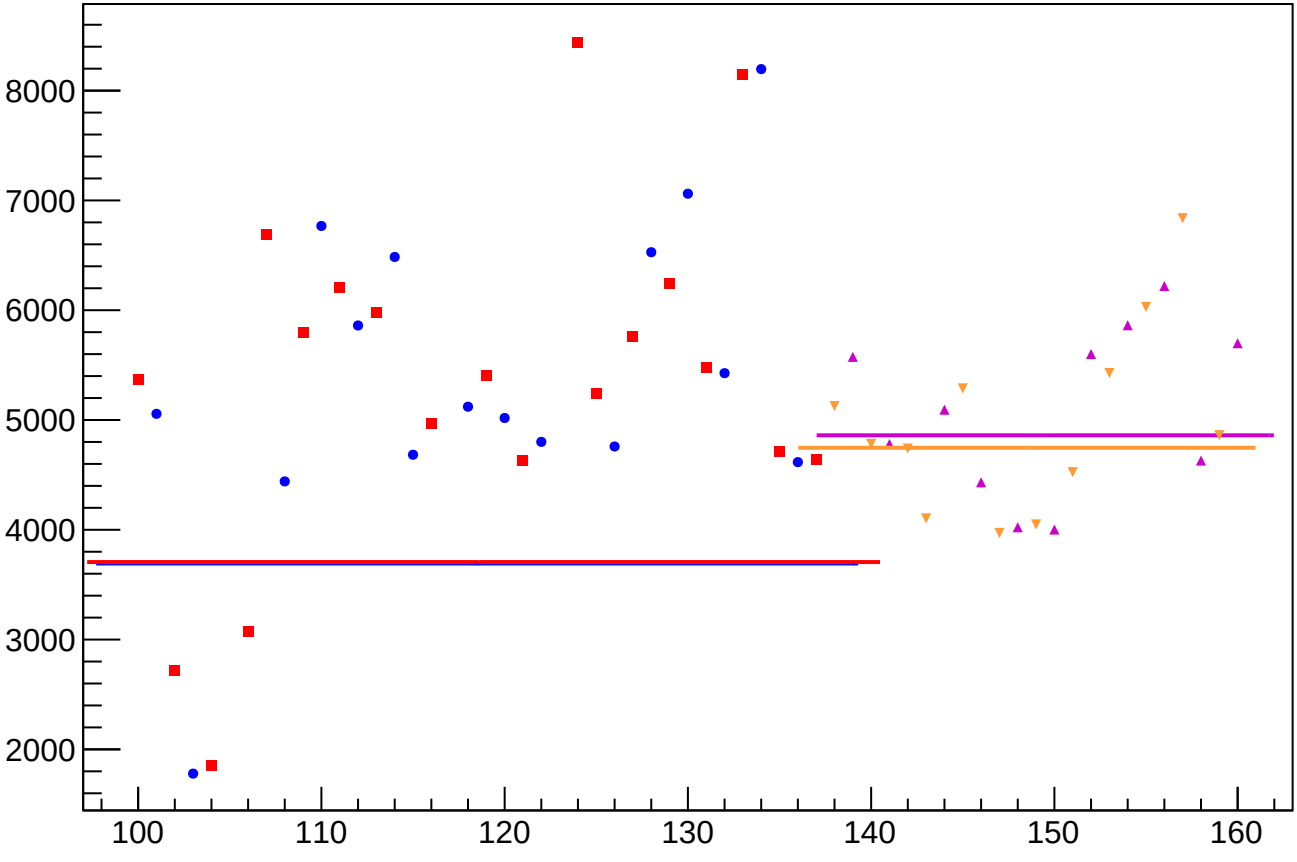
Left In: -1401.311+/-1593.154 χ^2/NDF:3.5/10

+ sign 1828.979+/-1096.147 χ^2/NDF: 35.3/27

All: -138.178+/-780.547 χ^2/NDF: 59.2/57

- 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: 4747.124+/-1.104 χ^2/NDF:435073.5/11

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

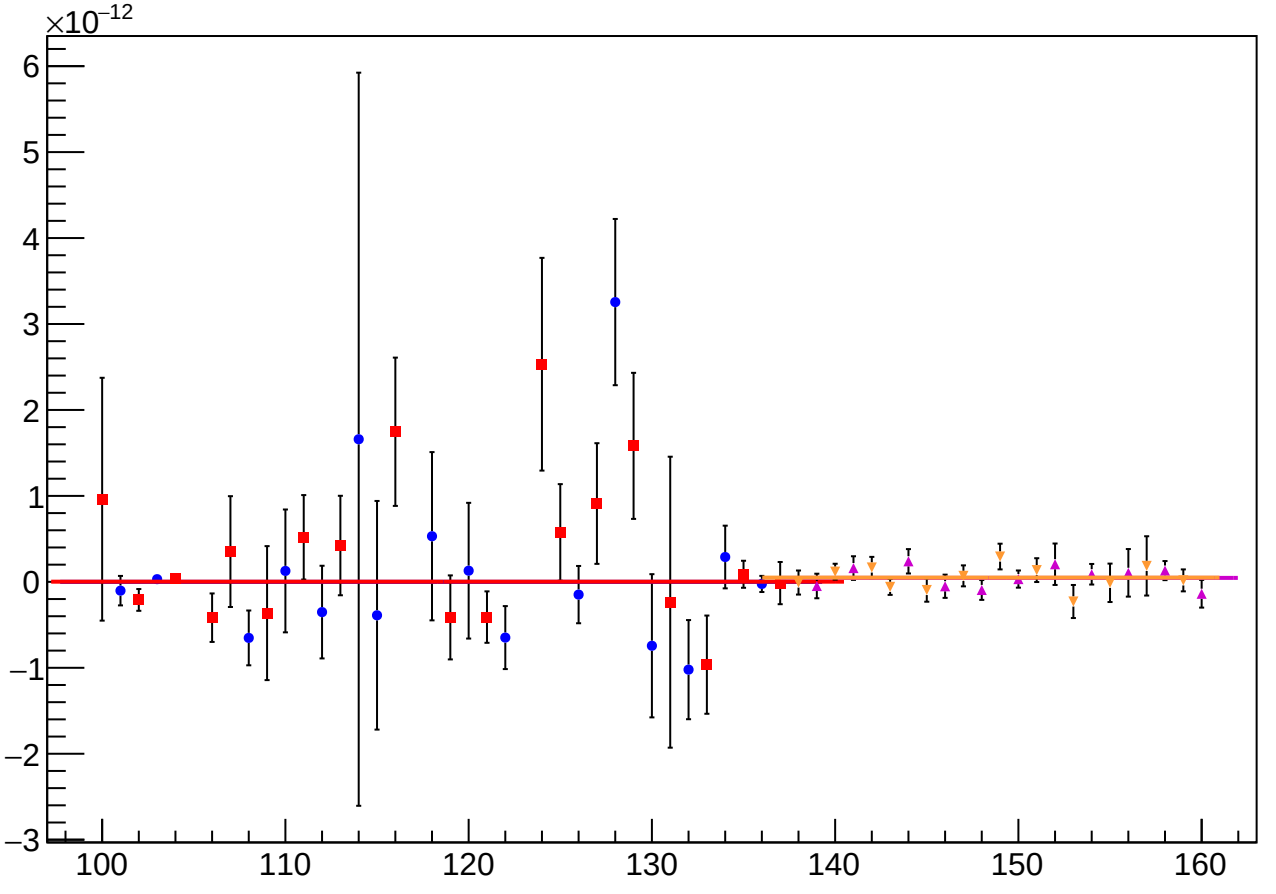
Left In: 4860.445+/-1.127 χ^2/NDF:403217.0/10

+ sign 4212.460+/-0.775 χ^2/NDF: 3783197.3/27

All: 4237.217+/-0.551 χ^2/NDF: 7416972.1/57

- 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:9.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

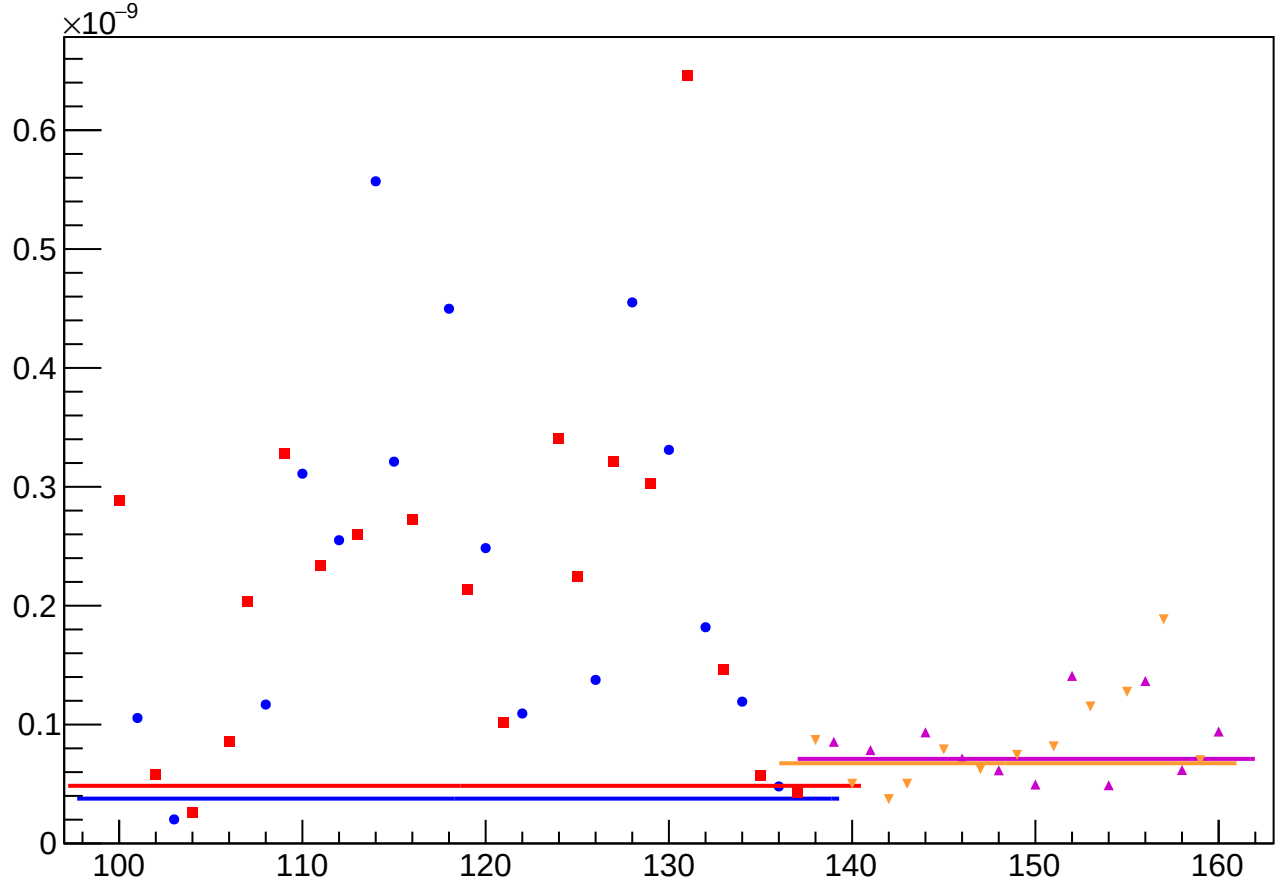
Left In: 0.000+/-0.000 χ^2/NDF:7.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 35.9/27

All: 0.000+/-0.000 χ^2/NDF: 72.1/57

- sign 0.000+/-0.000 χ^2/NDF: 36.2/29

asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:856197.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

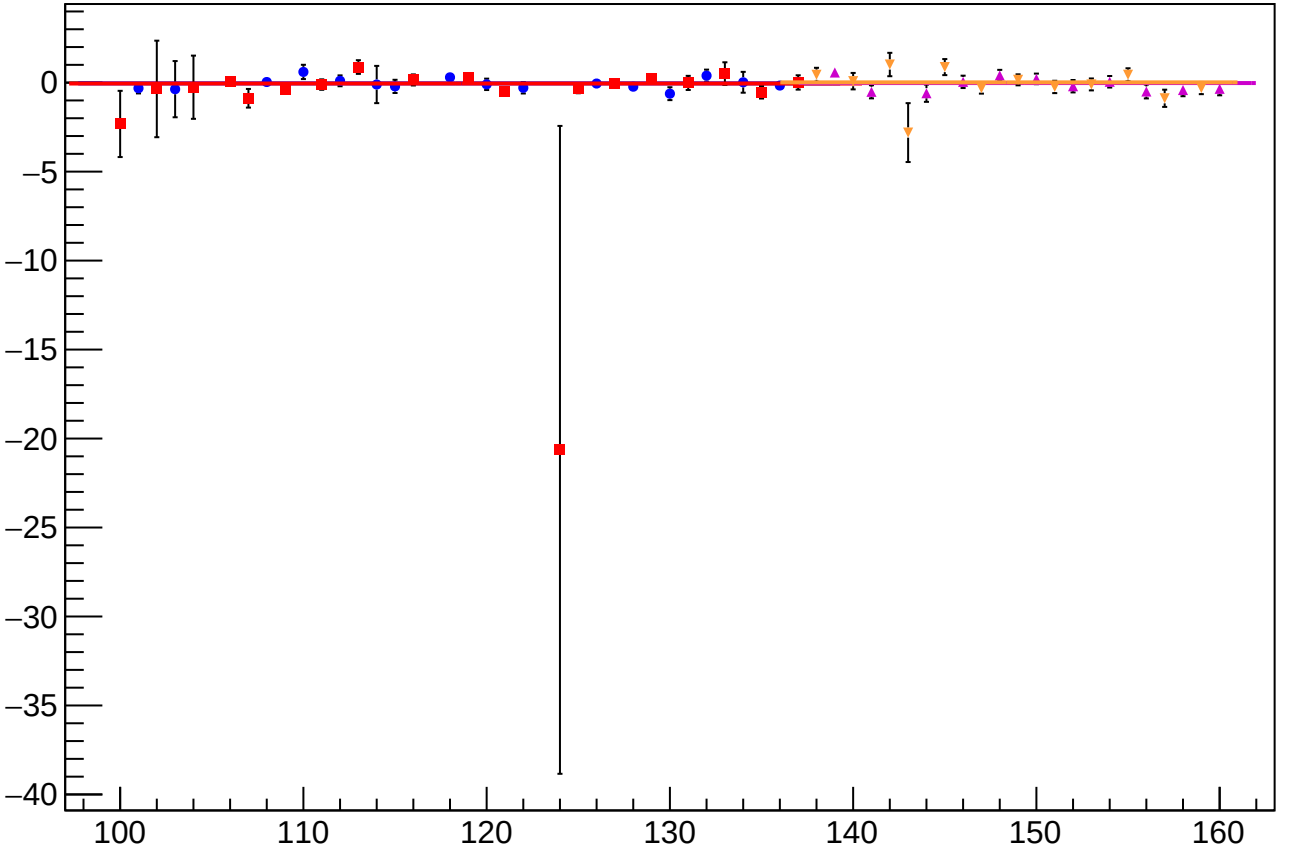
Left In: 0.000+/-0.000 χ^2/NDF:585870.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 4633145.0/27

All: 0.000+/-0.000 χ^2/NDF: 8496100.5/57

- sign 0.000+/-0.000 χ^2/NDF: 3760448.7/29

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.016+/-0.114 χ^2/NDF:17.8/11

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

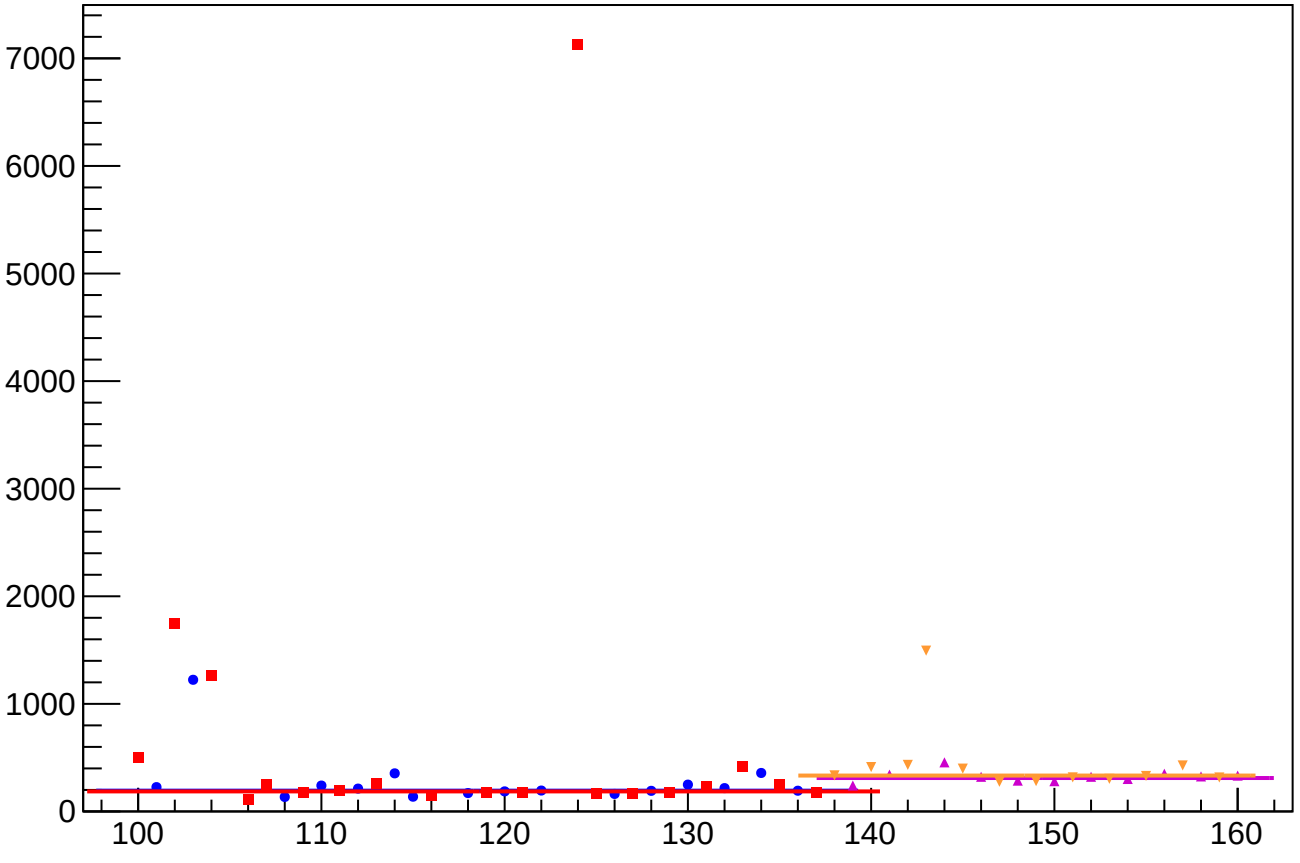
Left In: -0.023+/-0.103 χ^2/NDF:14.3/10

+ sign -0.023+/-0.064 χ^2/NDF: 29.7/27

All: -0.031+/-0.045 χ^2/NDF: 67.0/57

- 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: 333.647+/-0.080 χ^2/NDF:1360515.5/11

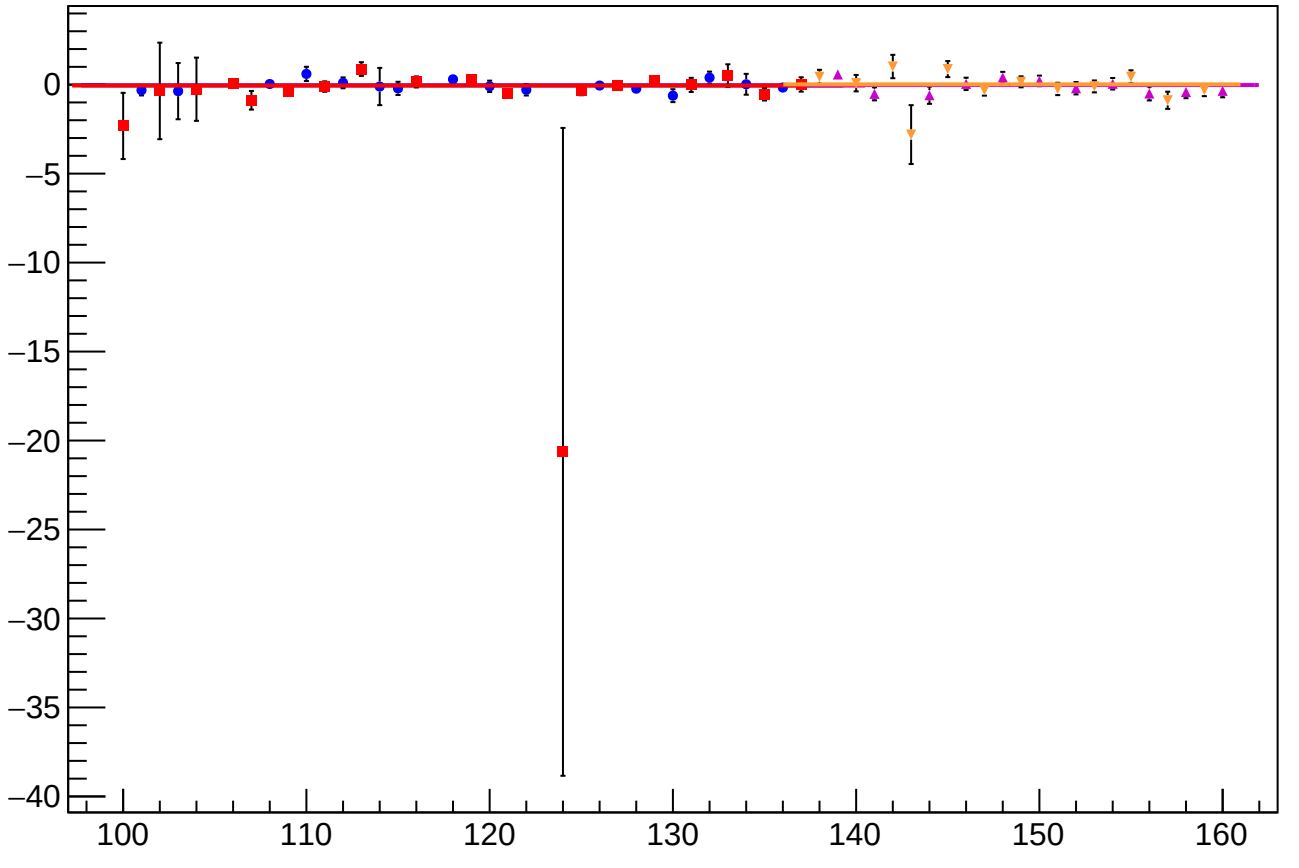
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 310.748+/-0.073 χ^2/NDF:395615.0/10

+ sign 238.040+/-0.045 χ^2/NDF: 4849278.6/27

All: 235.169+/-0.032 χ^2/NDF: 9577498.7/57

- 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: 0.016+/-0.114 χ^2/NDF:17.8/11

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

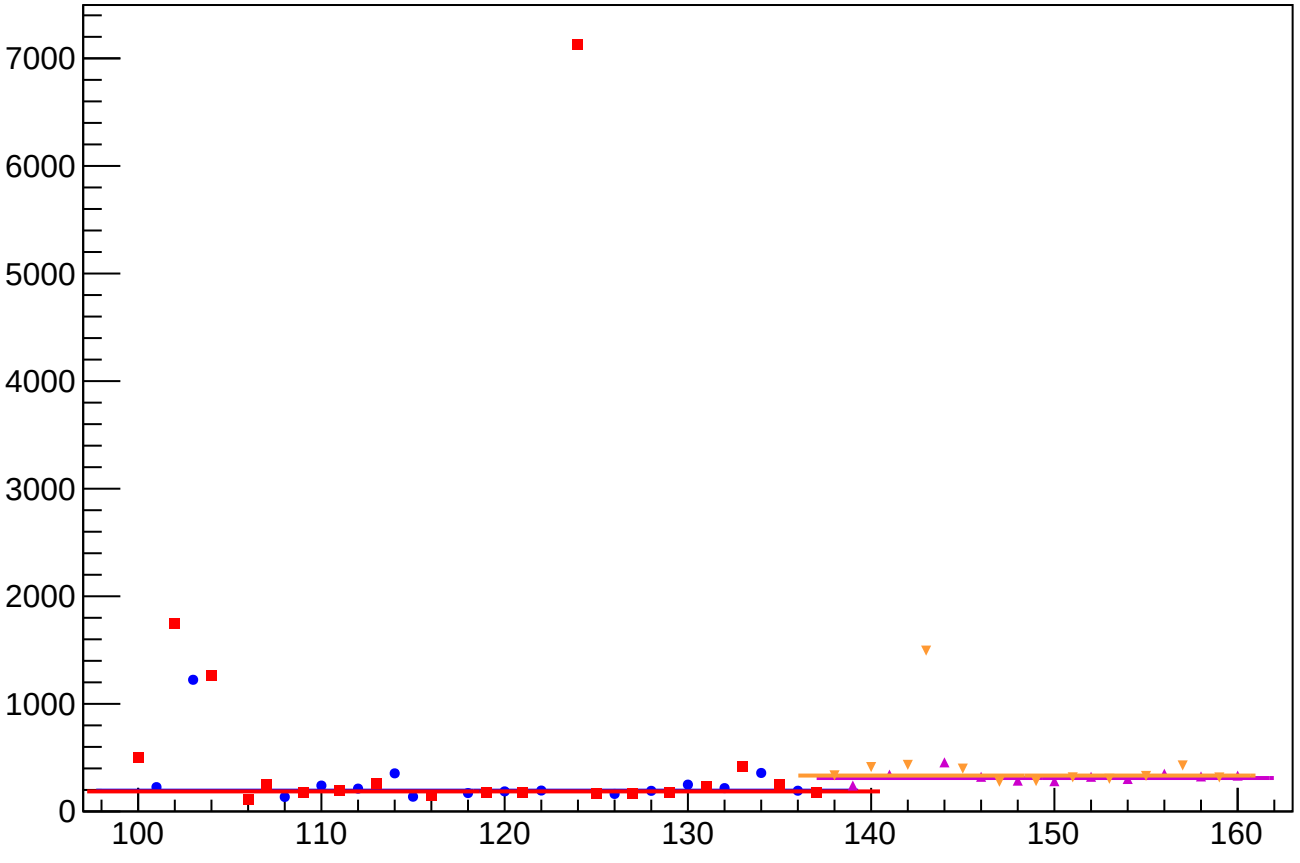
Left In: -0.023+/-0.103 χ^2/NDF:14.3/10

+ sign -0.023+/-0.064 χ^2/NDF: 29.7/27

All: -0.031+/-0.045 χ^2/NDF: 67.0/57

- 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: 333.647+/-0.080 χ^2/NDF:1360515.5/11

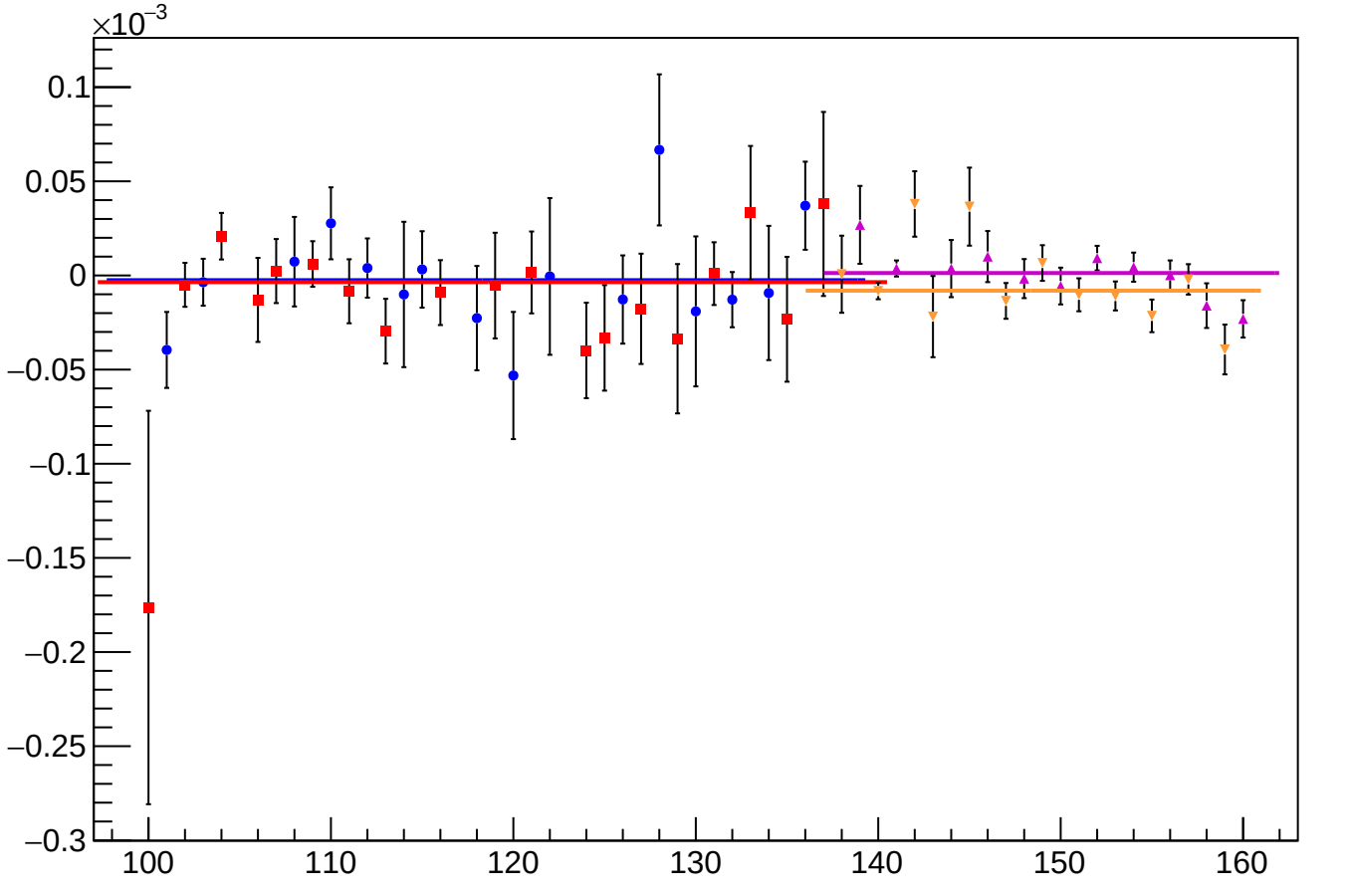
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 310.748+/-0.073 χ^2/NDF:395615.0/10

+ sign 238.040+/-0.045 χ^2/NDF: 4849278.6/27

All: 235.169+/-0.032 χ^2/NDF: 9577498.7/57

- 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:23.7/11

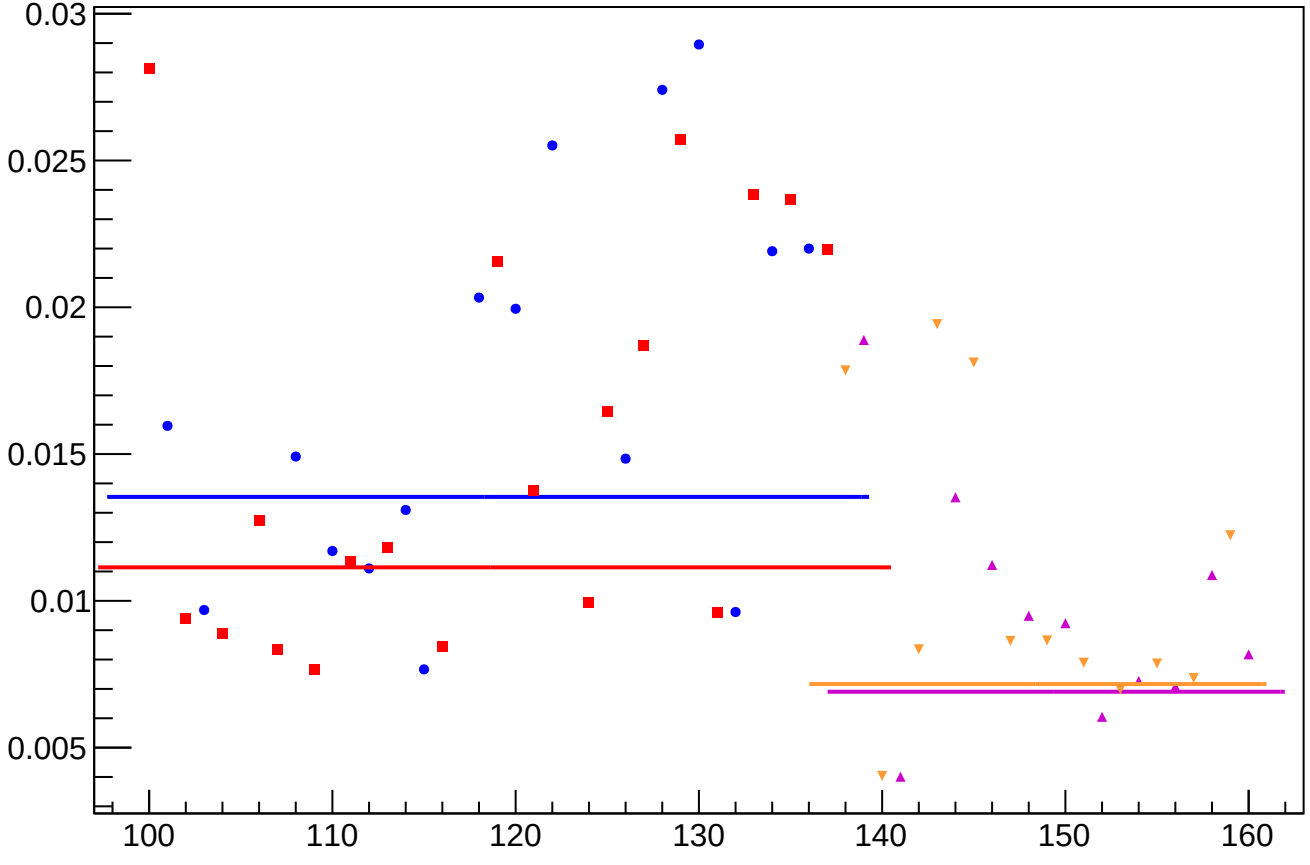
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/27

All: -0.000+/-0.000 χ^2/NDF: 75.3/57

- 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:3192959.3/11

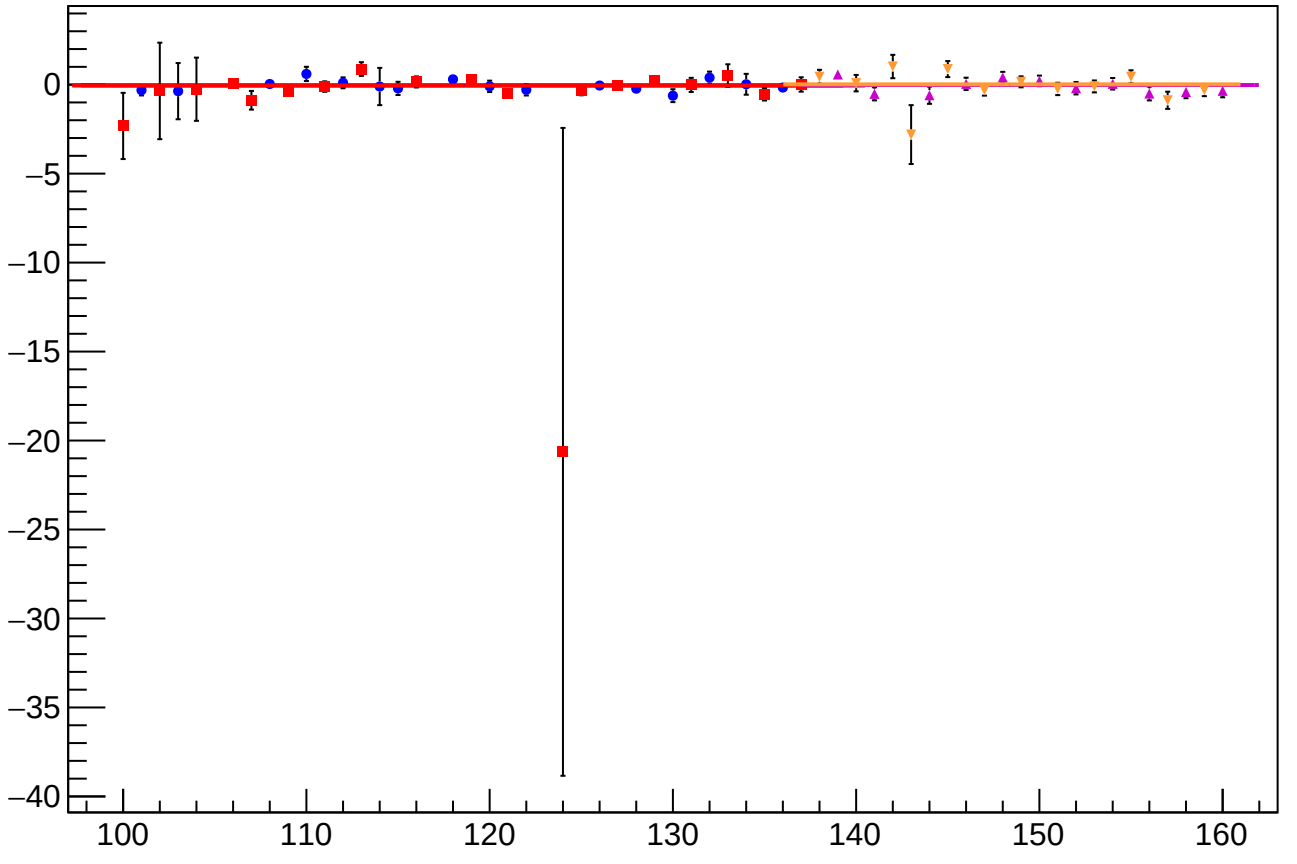
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:2712165.3/10

+ sign 0.008+/-0.000 χ^2/NDF: 7299353.1/27

All: 0.008+/-0.000 χ^2/NDF: 13308943.1/57

- 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: 0.016+/-0.114 χ^2/NDF:17.8/11

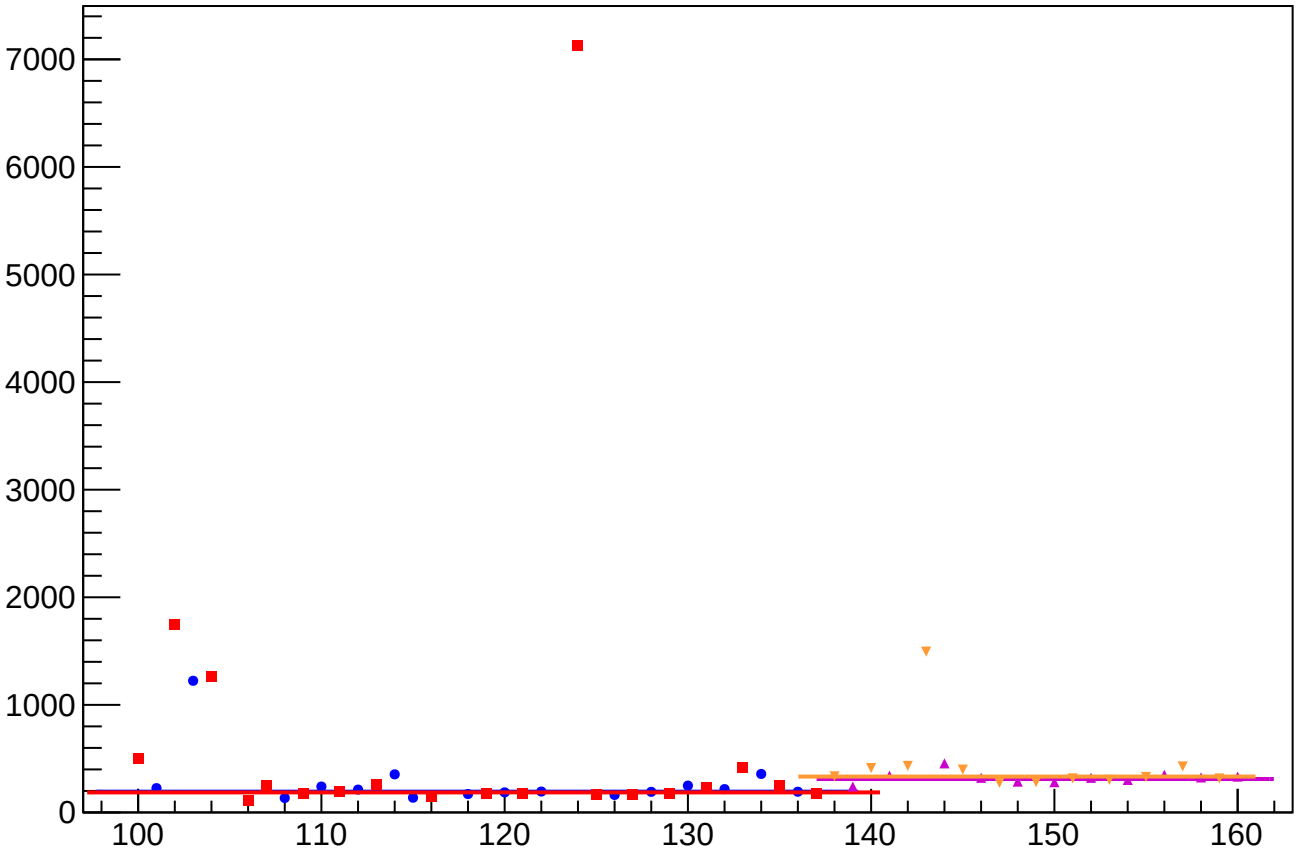
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.023+/-0.103 χ^2/NDF:14.3/10

+ sign -0.023+/-0.064 χ^2/NDF: 29.7/27

All: -0.031+/-0.045 χ^2/NDF: 67.0/57

- 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: 333.652+/-0.080 χ^2/NDF:1360484.9/11

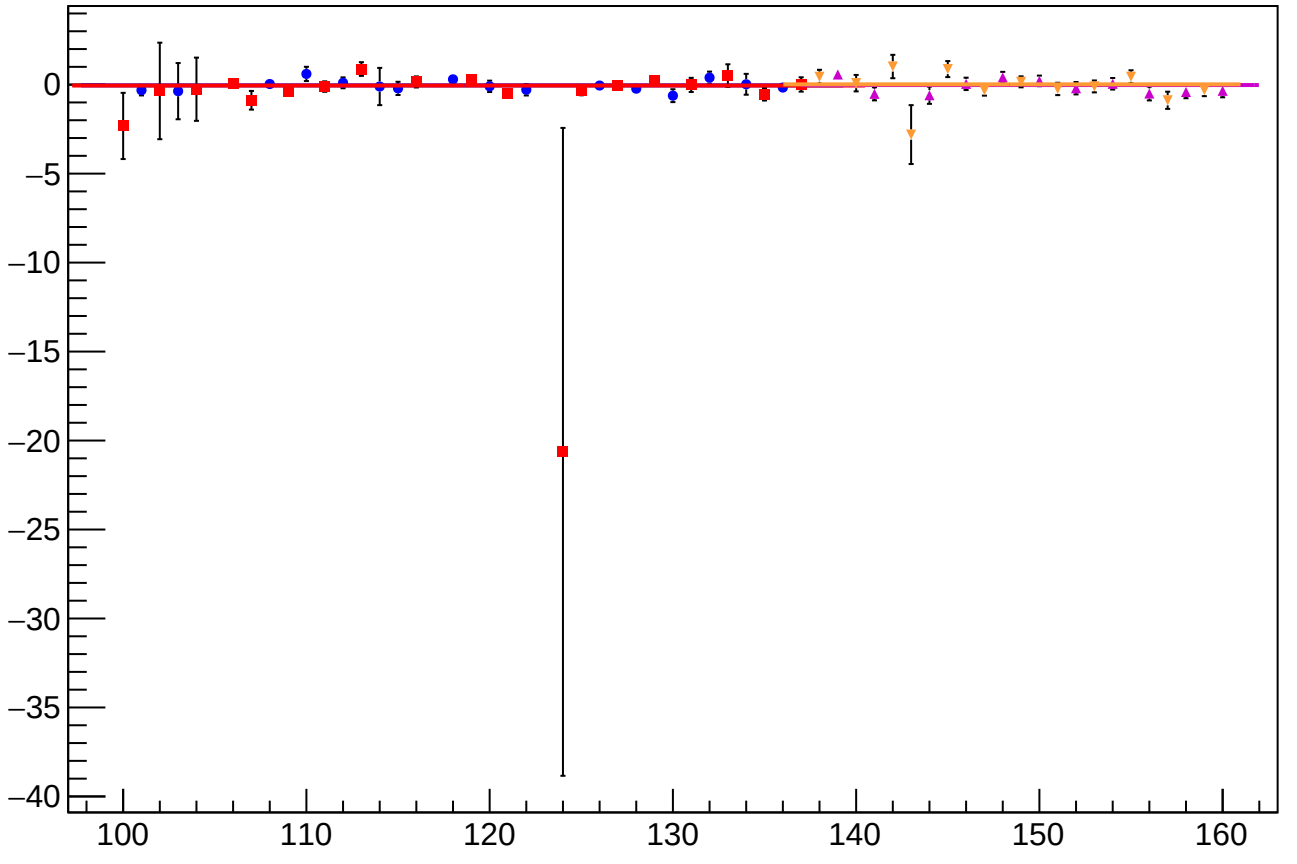
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 310.753+/-0.073 χ^2/NDF:395594.5/10

+ sign 238.039+/-0.045 χ^2/NDF: 4849384.2/27

All: 235.168+/-0.032 χ^2/NDF: 9577792.7/57

- 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: 0.016+/-0.114 χ^2/NDF:17.8/11

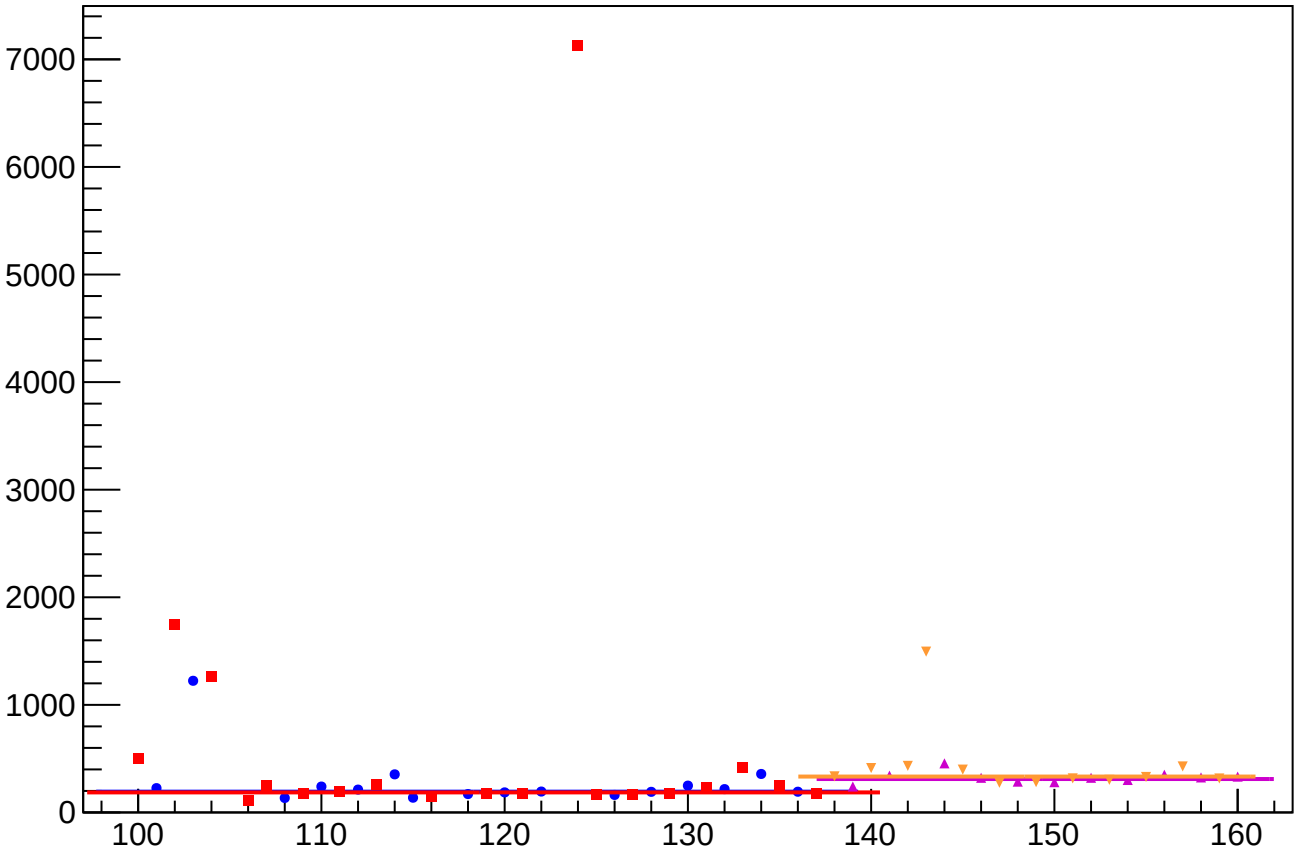
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.023+/-0.103 χ^2/NDF:14.3/10

+ sign -0.023+/-0.064 χ^2/NDF: 29.7/27

All: -0.031+/-0.045 χ^2/NDF: 67.0/57

- 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: 333.652+/-0.080 χ^2/NDF:1360484.9/11

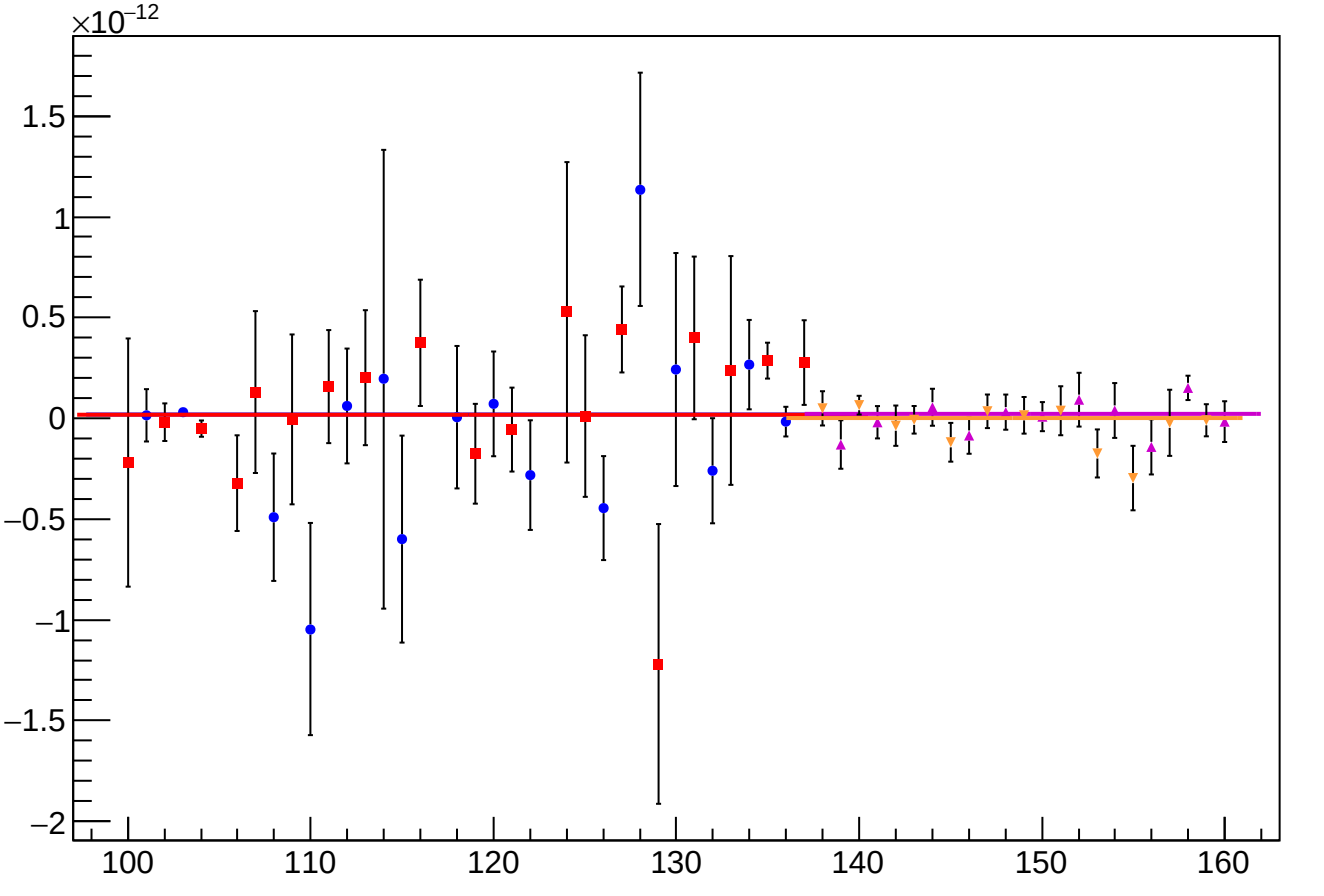
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 310.753+/-0.073 χ^2/NDF:395594.5/10

+ sign 238.039+/-0.045 χ^2/NDF: 4849384.2/27

All: 235.168+/-0.032 χ^2/NDF: 9577792.7/57

- 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:9.9/11

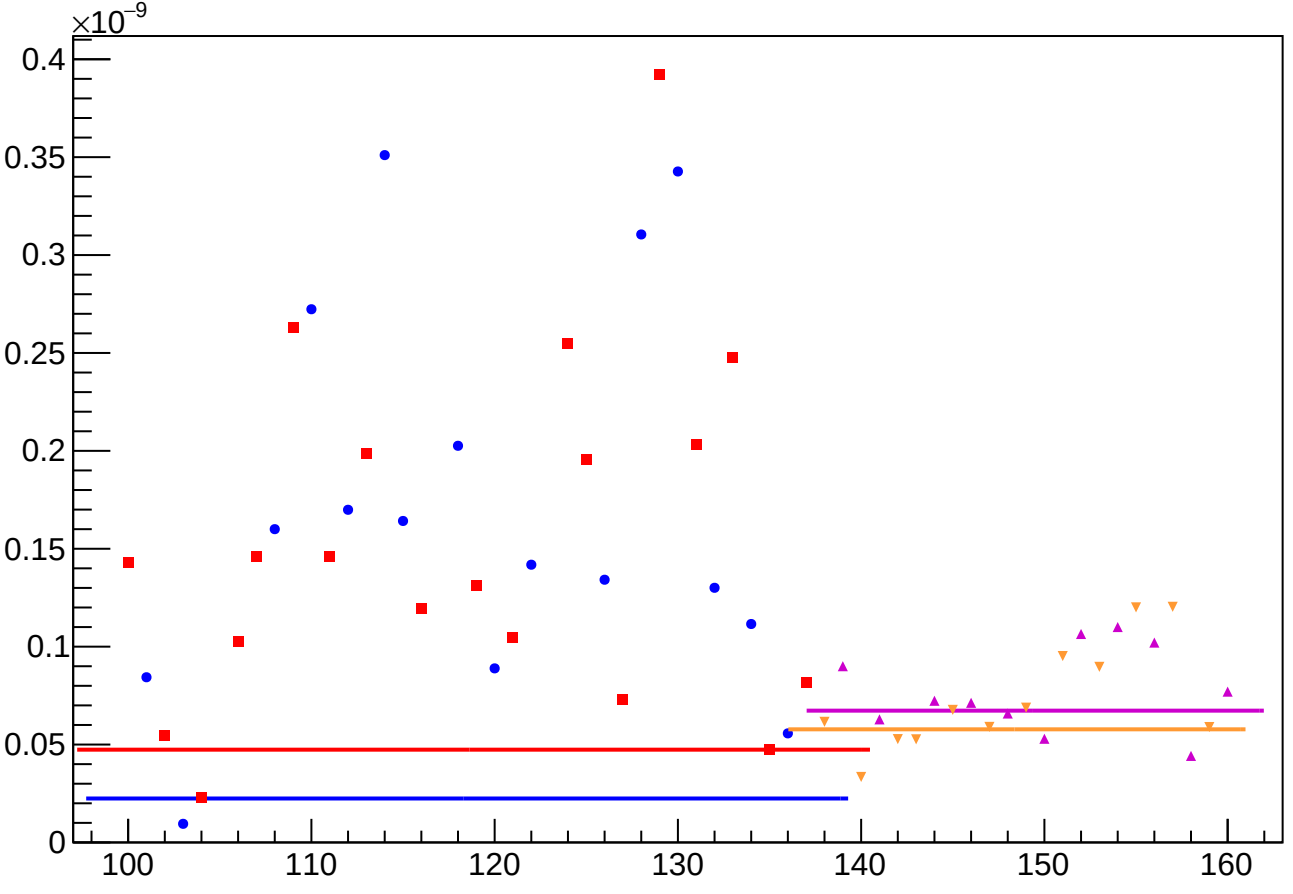
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/27

All: 0.000+/-0.000 χ^2/NDF: 66.7/57

- 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:1552533.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

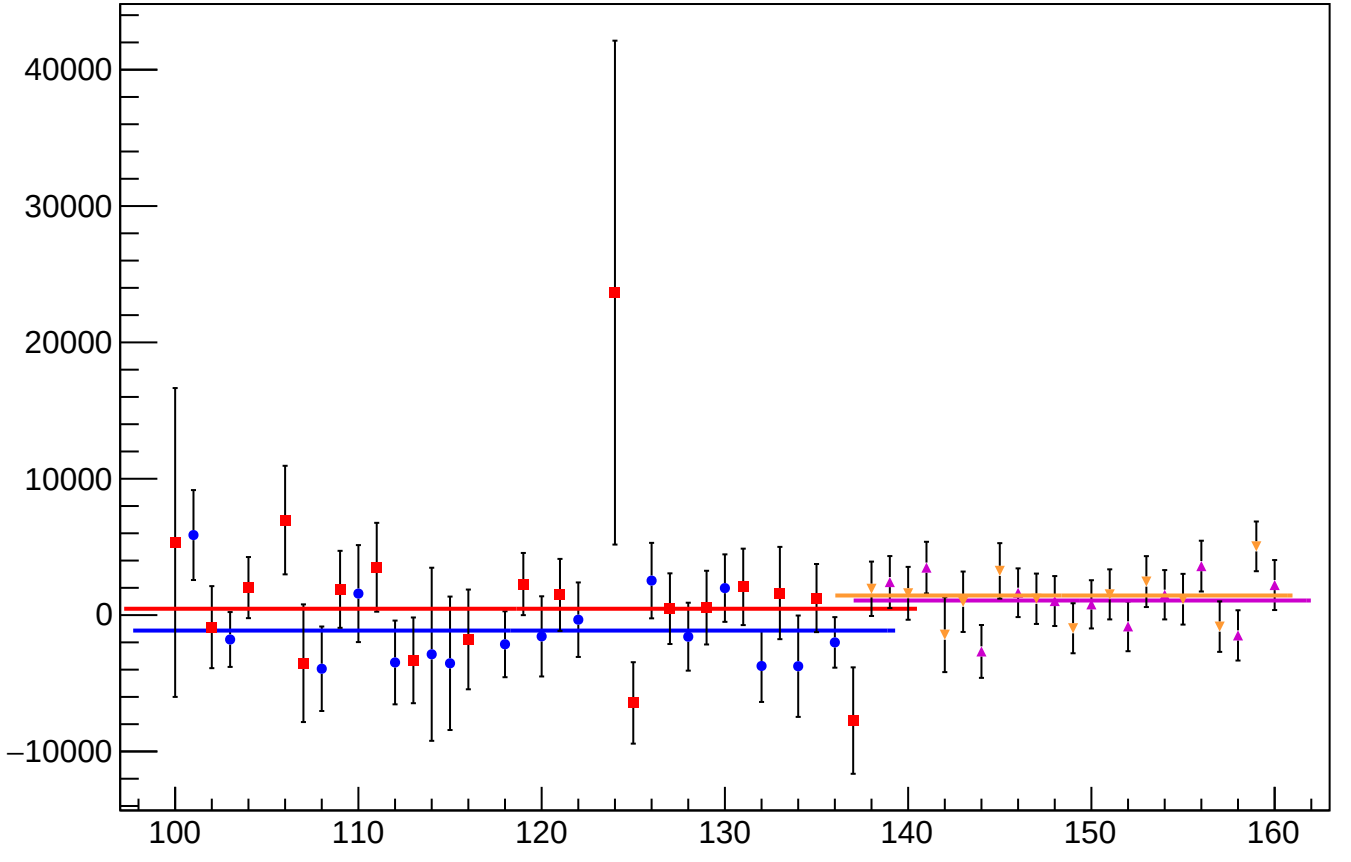
Left In: 0.000+/-0.000 χ^2/NDF:980557.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 10398896.1/27

All: 0.000+/-0.000 χ^2/NDF: 17455628.3/57

- 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: 1437.936+/-563.354 χ^2/NDF:9.5/11

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

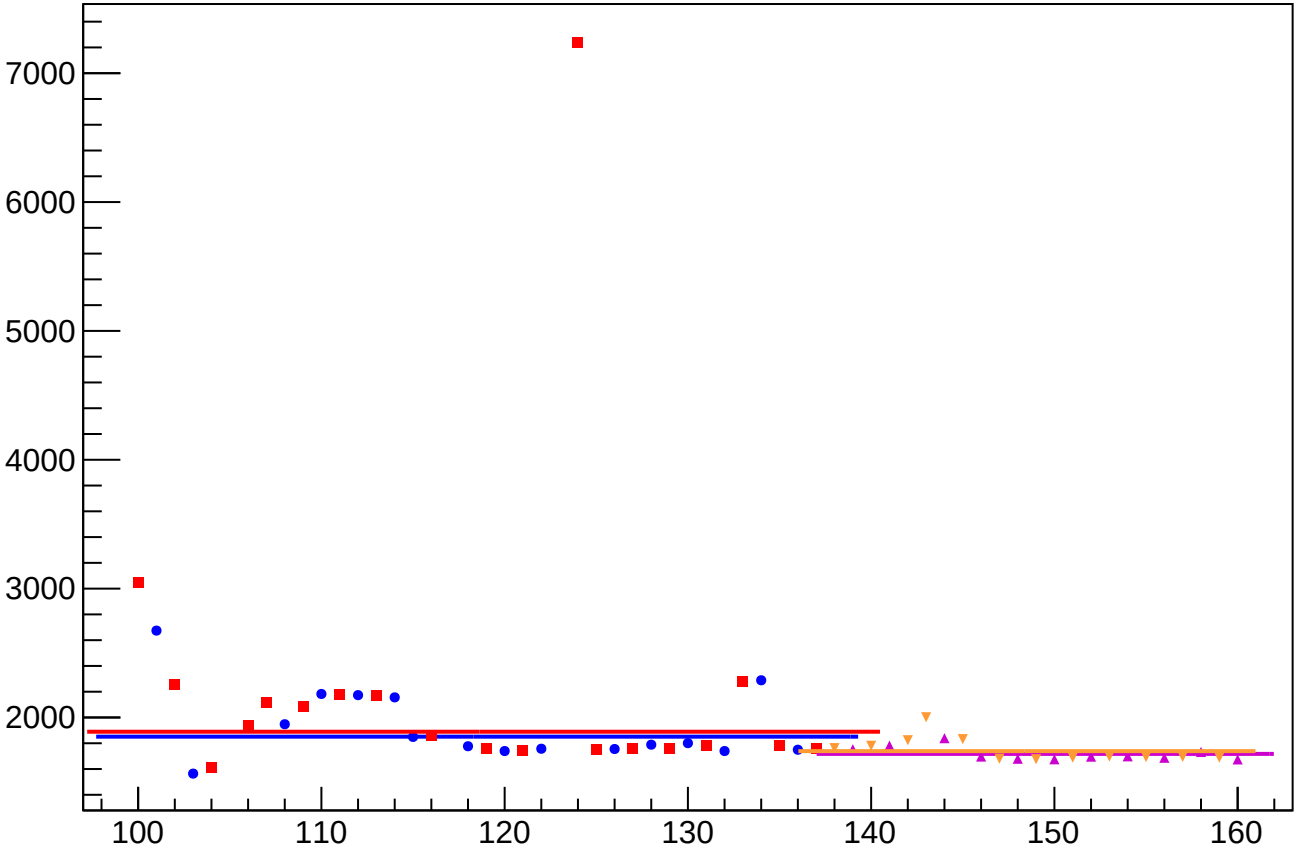
Left In: 1070.137+/-555.706 χ^2/NDF:11.3/10

+ sign 415.715+/-437.333 χ^2/NDF: 30.0/27

All: 627.596+/-308.998 χ^2/NDF: 62.2/57

- 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: 1738.753+/-0.398 χ^2/NDF:46214.3/11

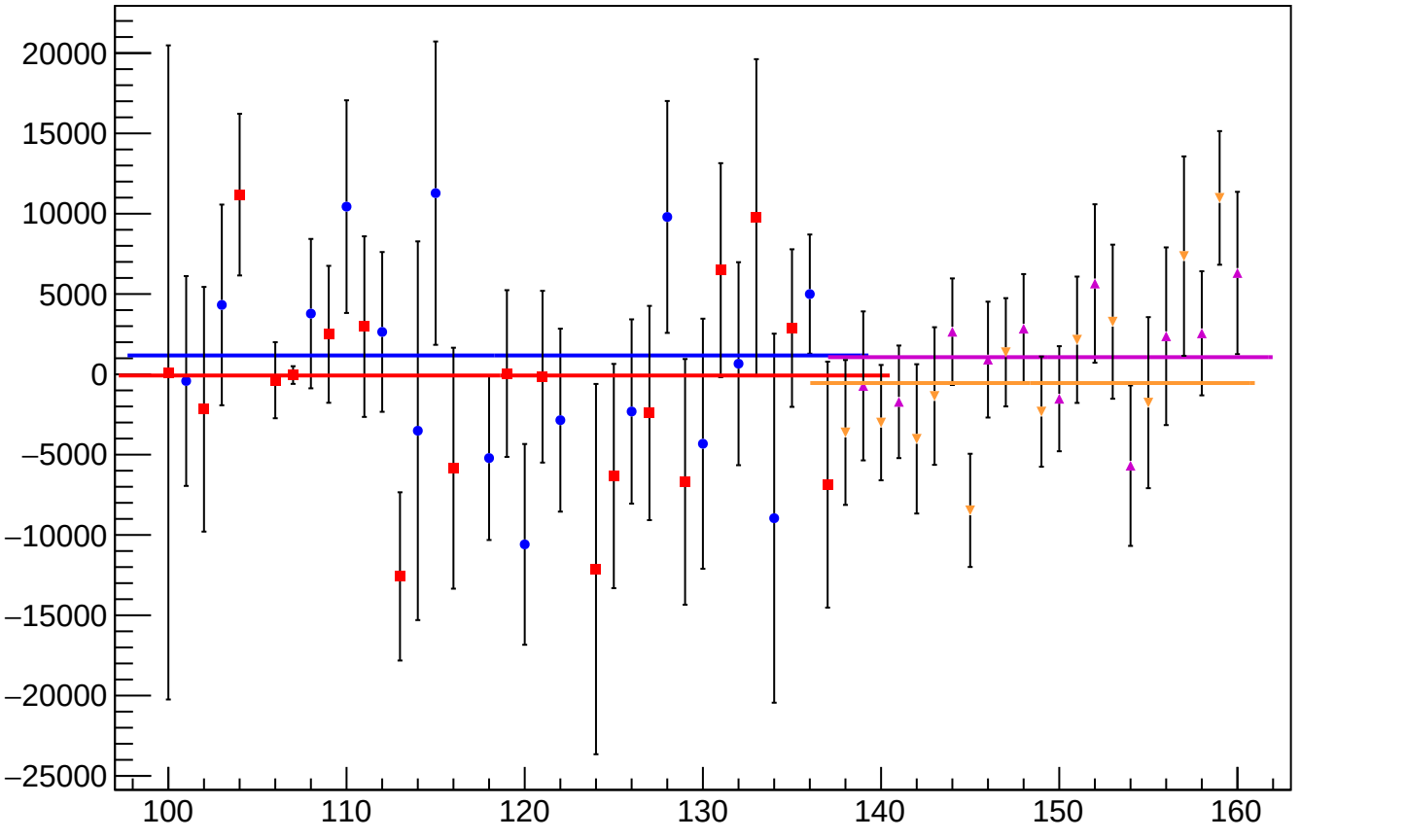
Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1717.484+/-0.393 χ^2/NDF:15407.3/10

+ sign 1783.407+/-0.309 χ^2/NDF: 337818.8/27

All: 1783.451+/-0.218 χ^2/NDF: 785681.9/57

- 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: -542.376+/-1188.266 χ^2/NDF:17.6/11

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

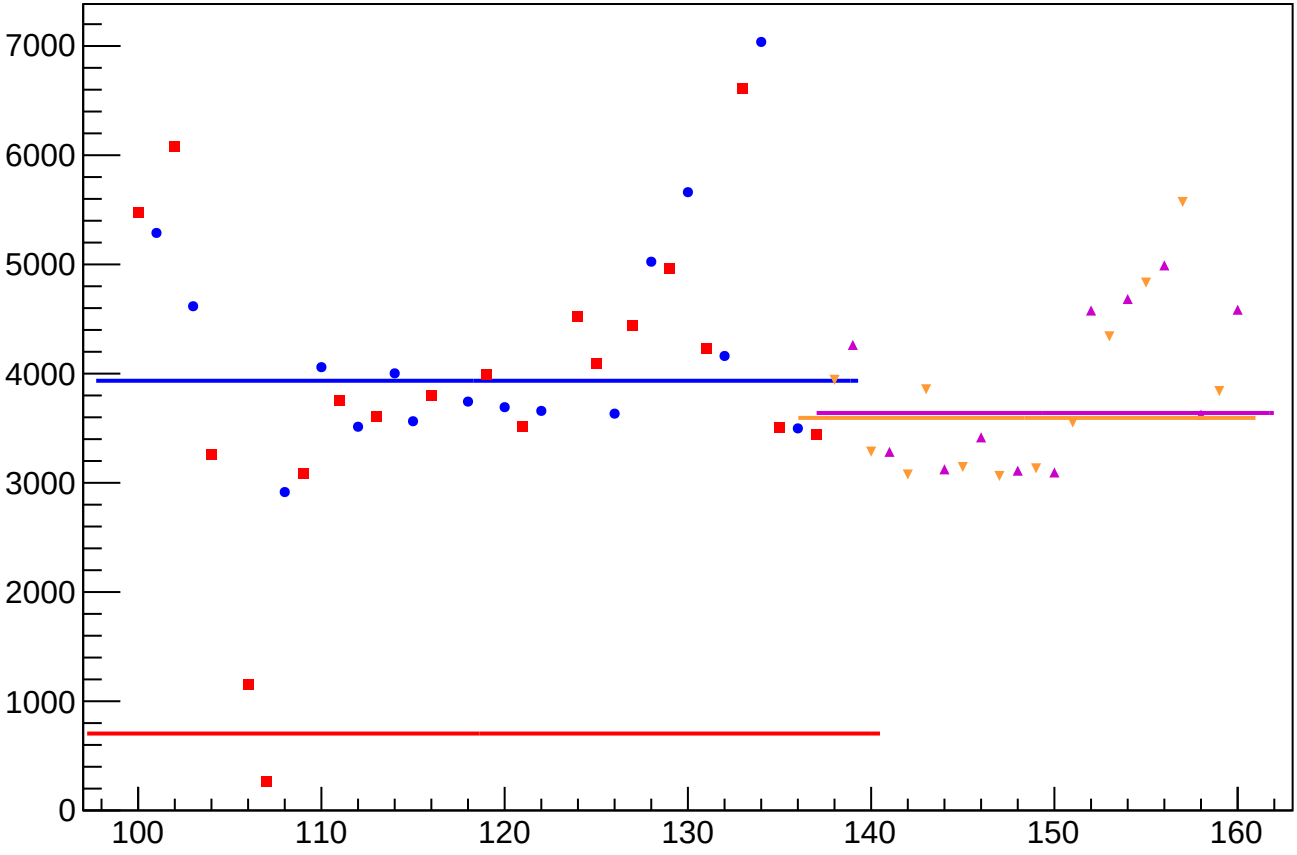
Left In: 1068.801+/-1198.852 χ^2/NDF:5.9/10

+ sign 118.818+/-931.932 χ^2/NDF: 32.2/27

All: 103.556+/-416.752 χ^2/NDF: 56.7/57

- 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: 3594.690+/-0.840 χ^2/NDF:544670.4/11

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

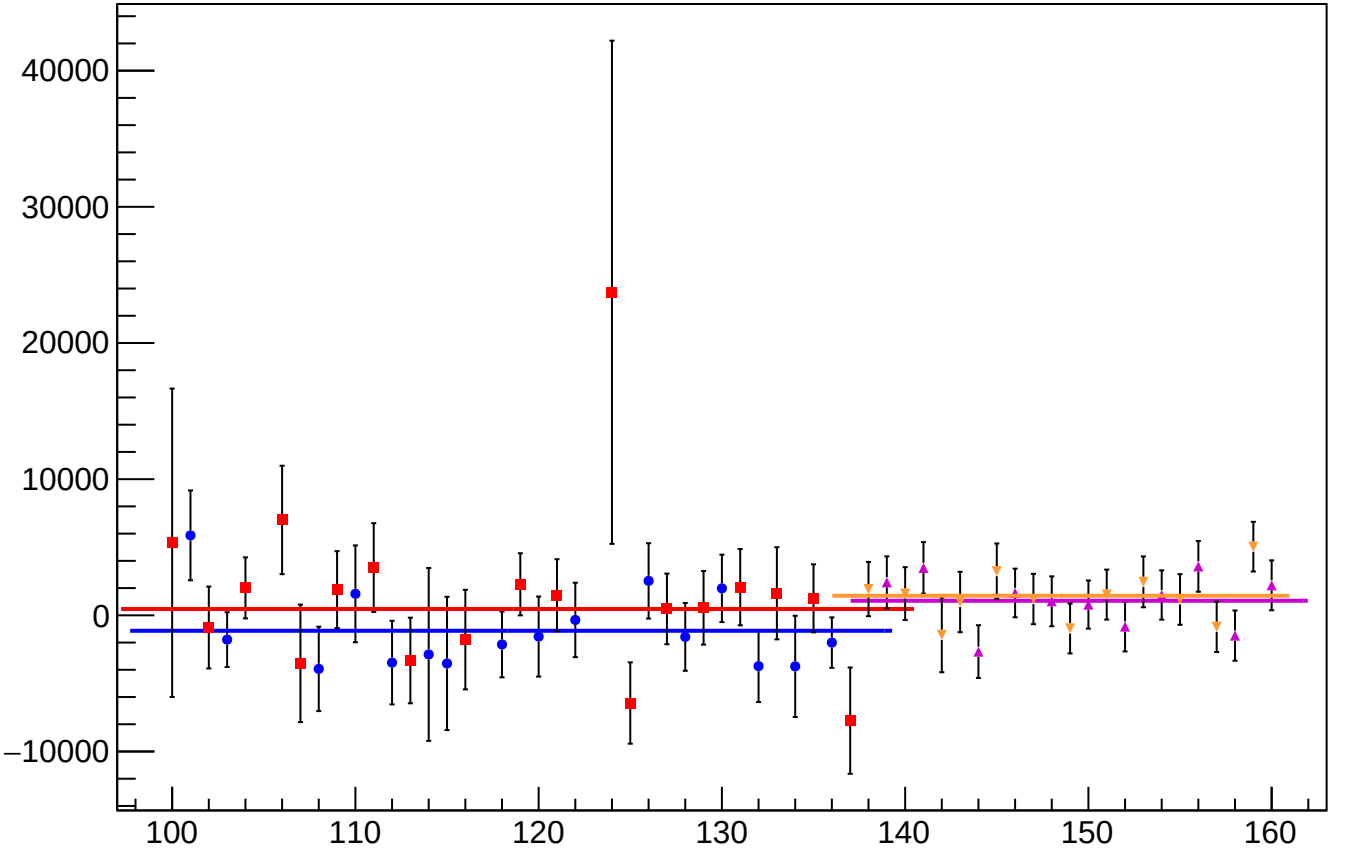
Left In: 3639.651+/-0.848 χ^2/NDF:565757.2/10

+ sign 3725.569+/-0.659 χ^2/NDF: 1167831.6/27

All: 1663.272+/-0.295 χ^2/NDF: 34772828.9/5

- 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: 1438.011+/-563.354 χ^2/NDF:9.5/11

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

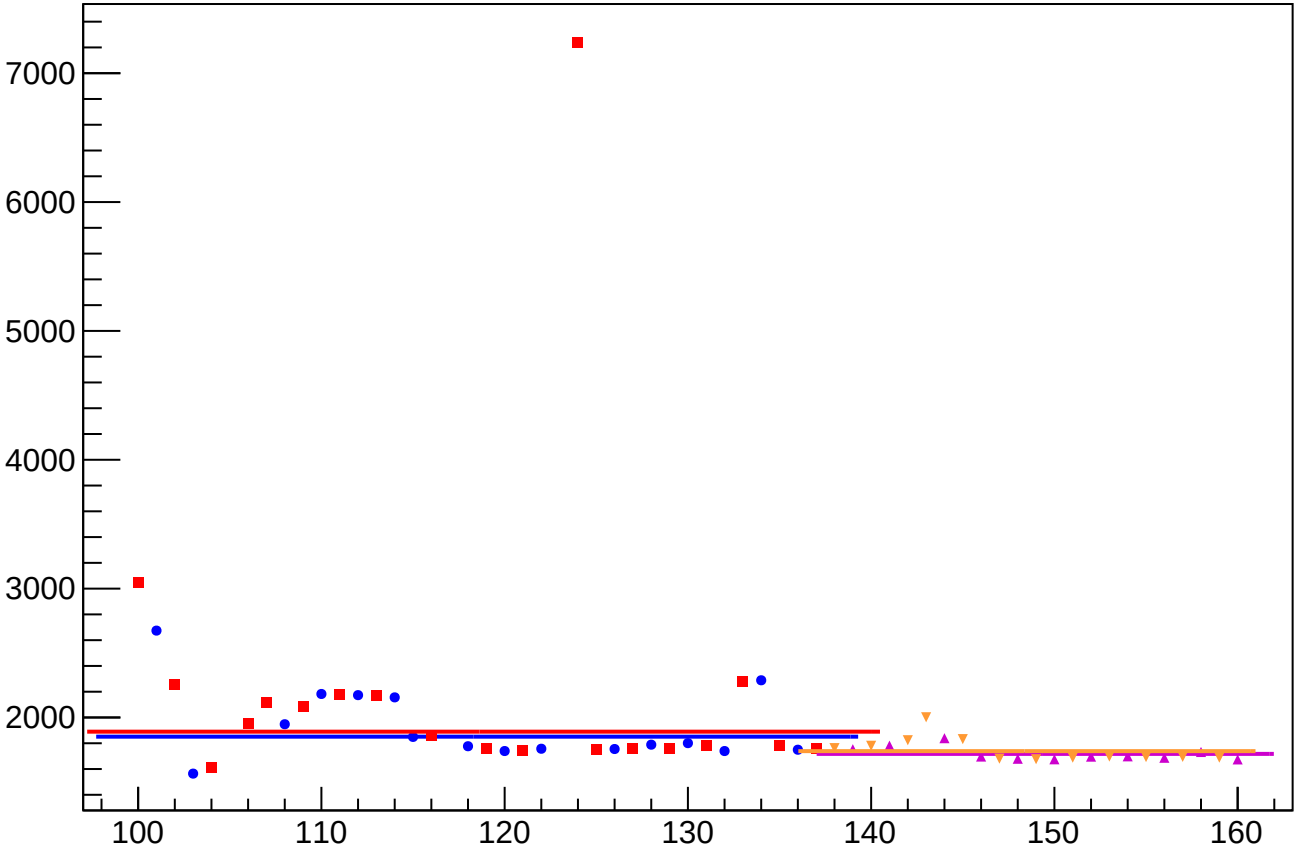
Left In: 1070.091+/-555.706 χ^2/NDF:11.3/10

+ sign 415.930+/-437.333 χ^2/NDF: 30.0/27

All: 627.762+/-308.998 χ^2/NDF: 62.2/57

- 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: 1738.753+/-0.398 χ^2/NDF:46214.3/11

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

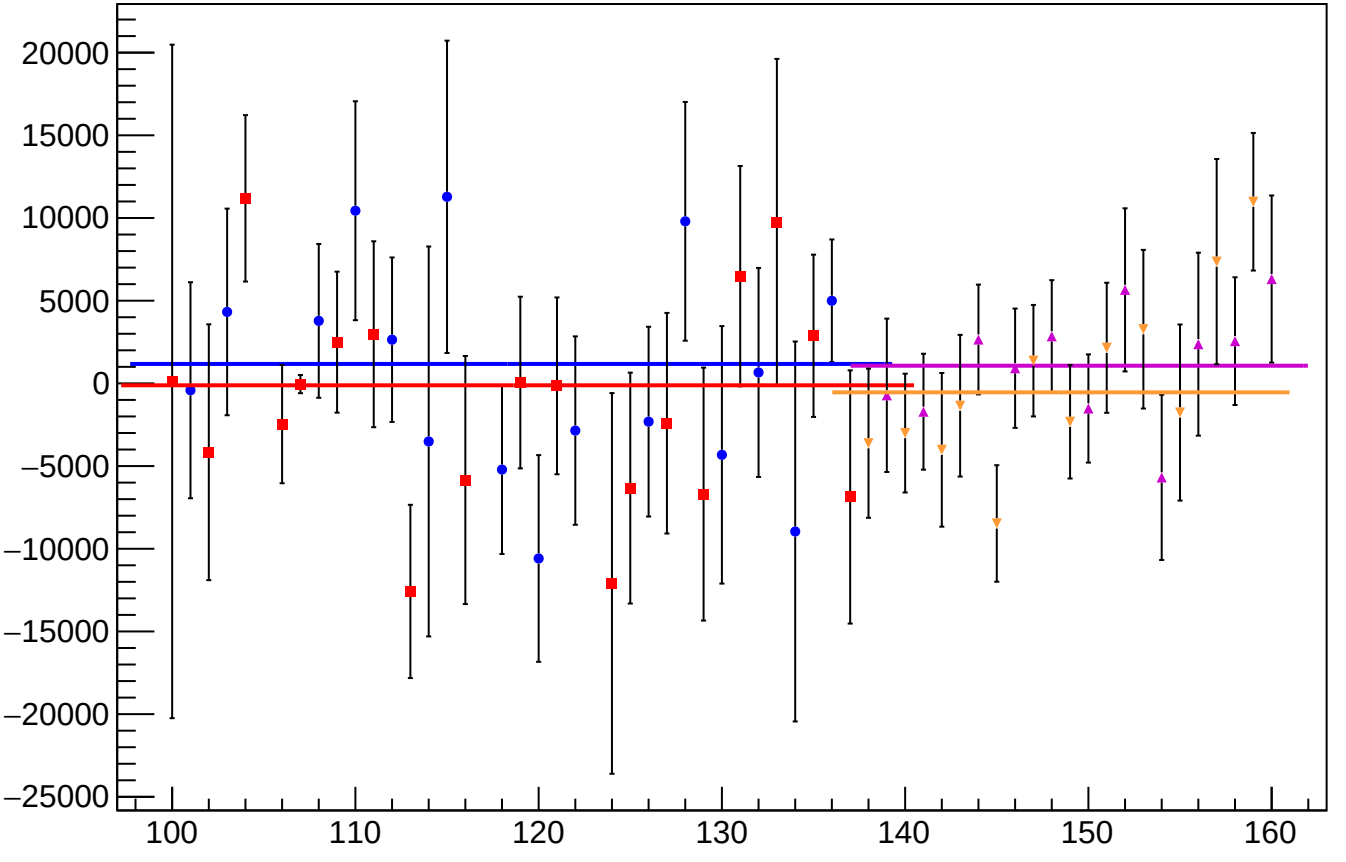
Left In: 1717.484+/-0.393 χ^2/NDF:15407.3/10

+ sign 1783.407+/-0.309 χ^2/NDF: 337818.2/27

All: 1783.530+/-0.218 χ^2/NDF: 786273.0/57

- 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: -542.397+/-1188.263 χ^2/NDF:17.6/11

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

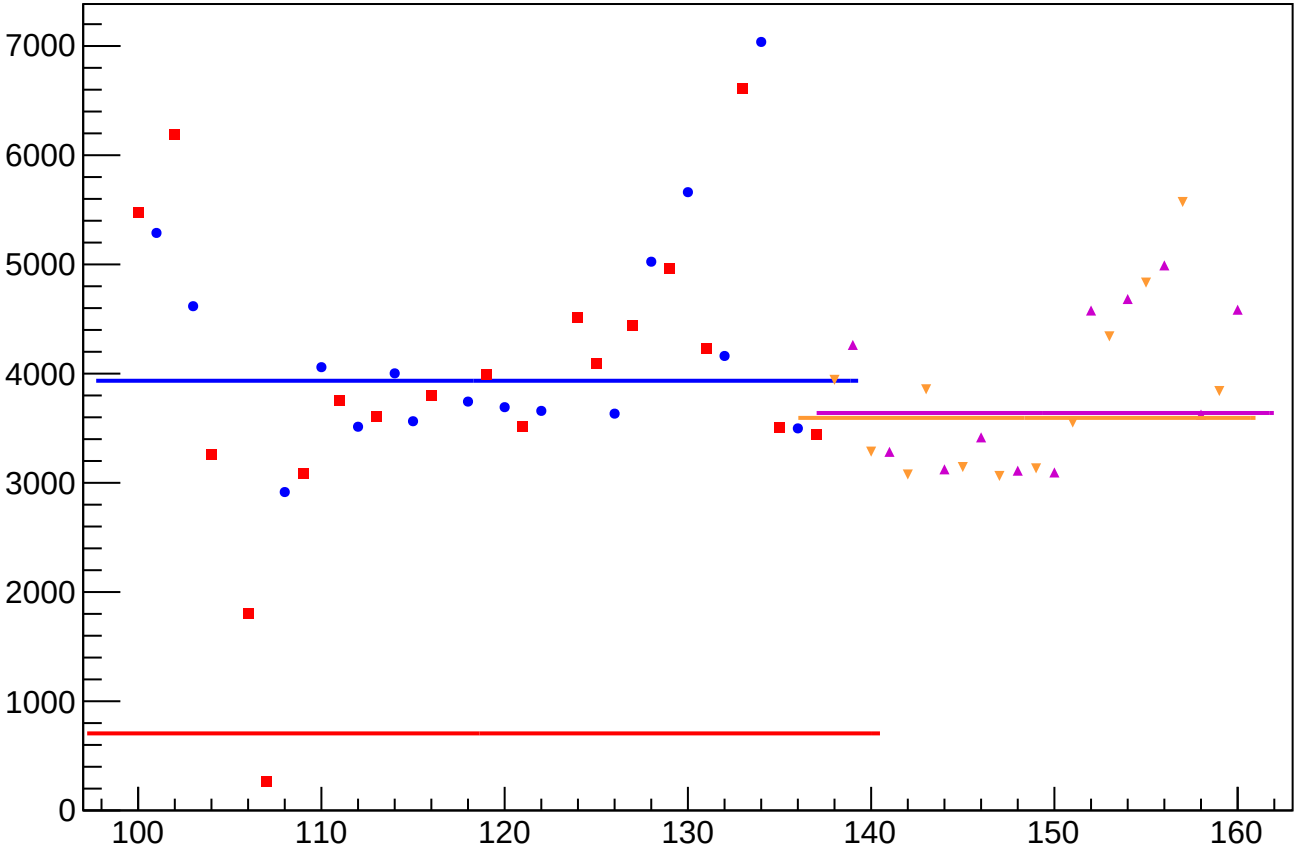
Left In: 1068.815+/-1198.852 χ^2/NDF:5.9/10

+ sign 118.791+/-931.932 χ^2/NDF: 32.2/27

All: 77.550+/-420.421 χ^2/NDF: 57.4/57

- 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: 3594.679+/-0.840 χ^2/NDF:544675.1/11

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

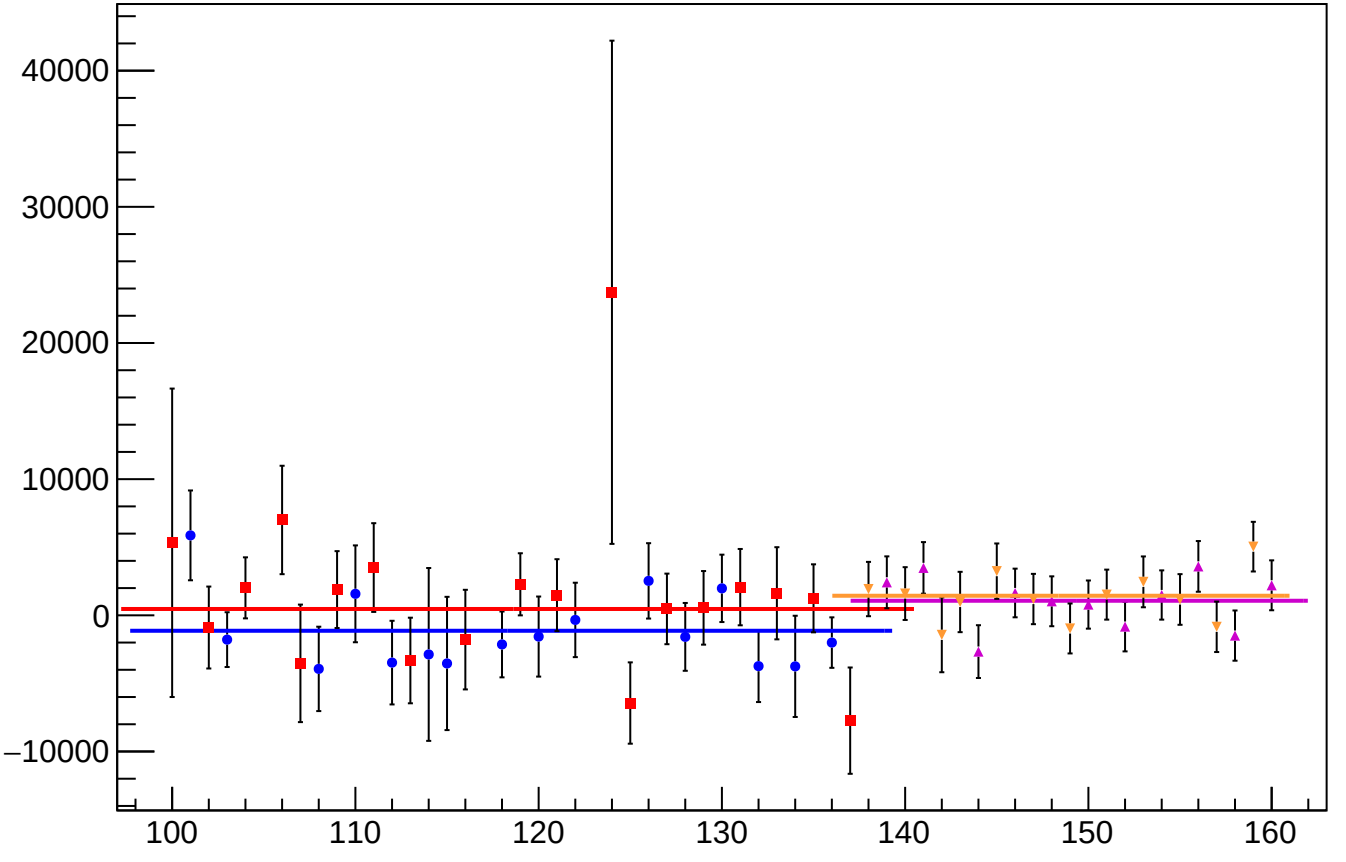
Left In: 3639.652+/-0.848 χ^2/NDF:565746.7/10

+ sign 3725.564+/-0.659 χ^2/NDF: 1167867.8/27

All: 1681.060+/-0.297 χ^2/NDF: 34695787.0/5

- 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: 1438.011+/-563.354 χ^2/NDF:9.5/11

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

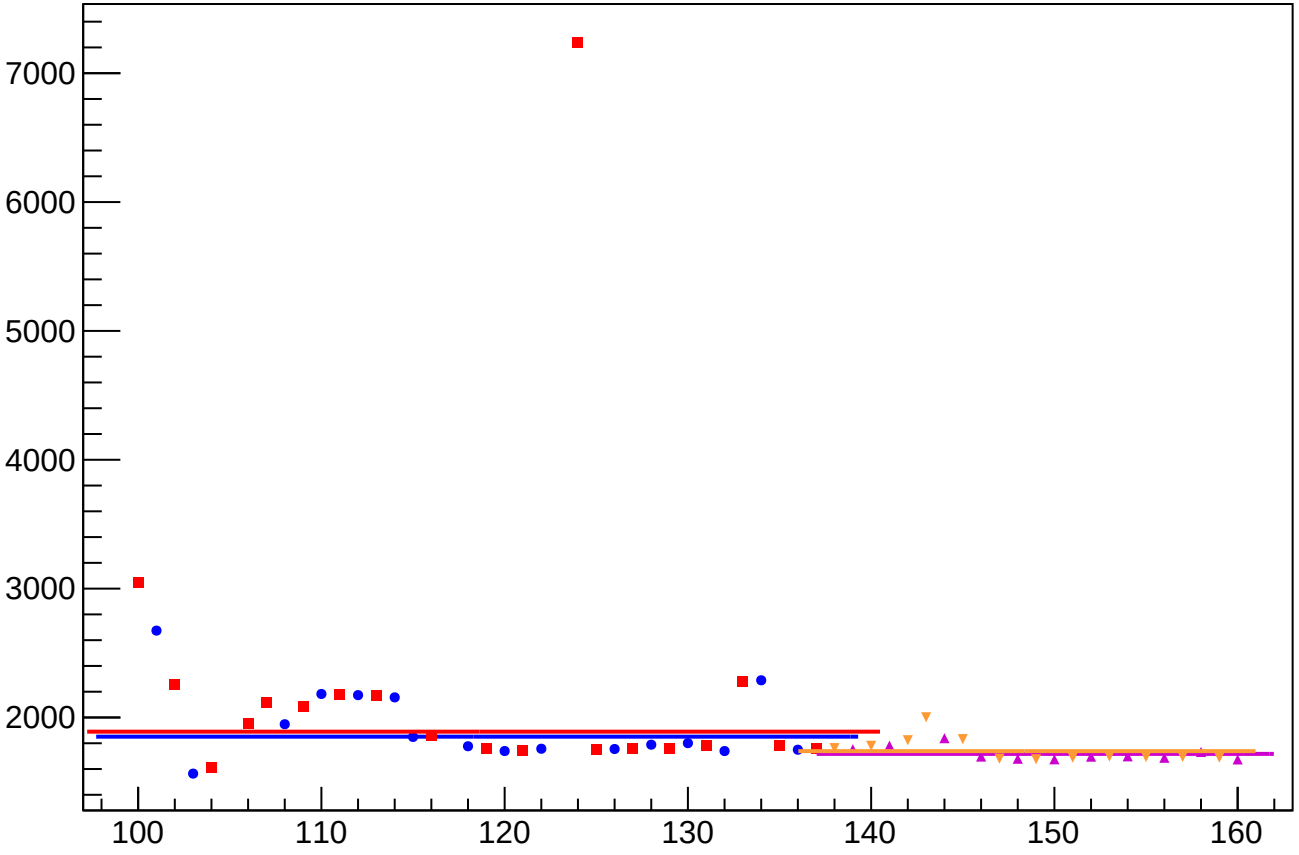
Left In: 1070.091+/-555.706 χ^2/NDF:11.3/10

+ sign 415.930+/-437.333 χ^2/NDF: 30.0/27

All: 627.762+/-308.998 χ^2/NDF: 62.2/57

- 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: 1738.753+/-0.398 χ^2/NDF:46214.3/11

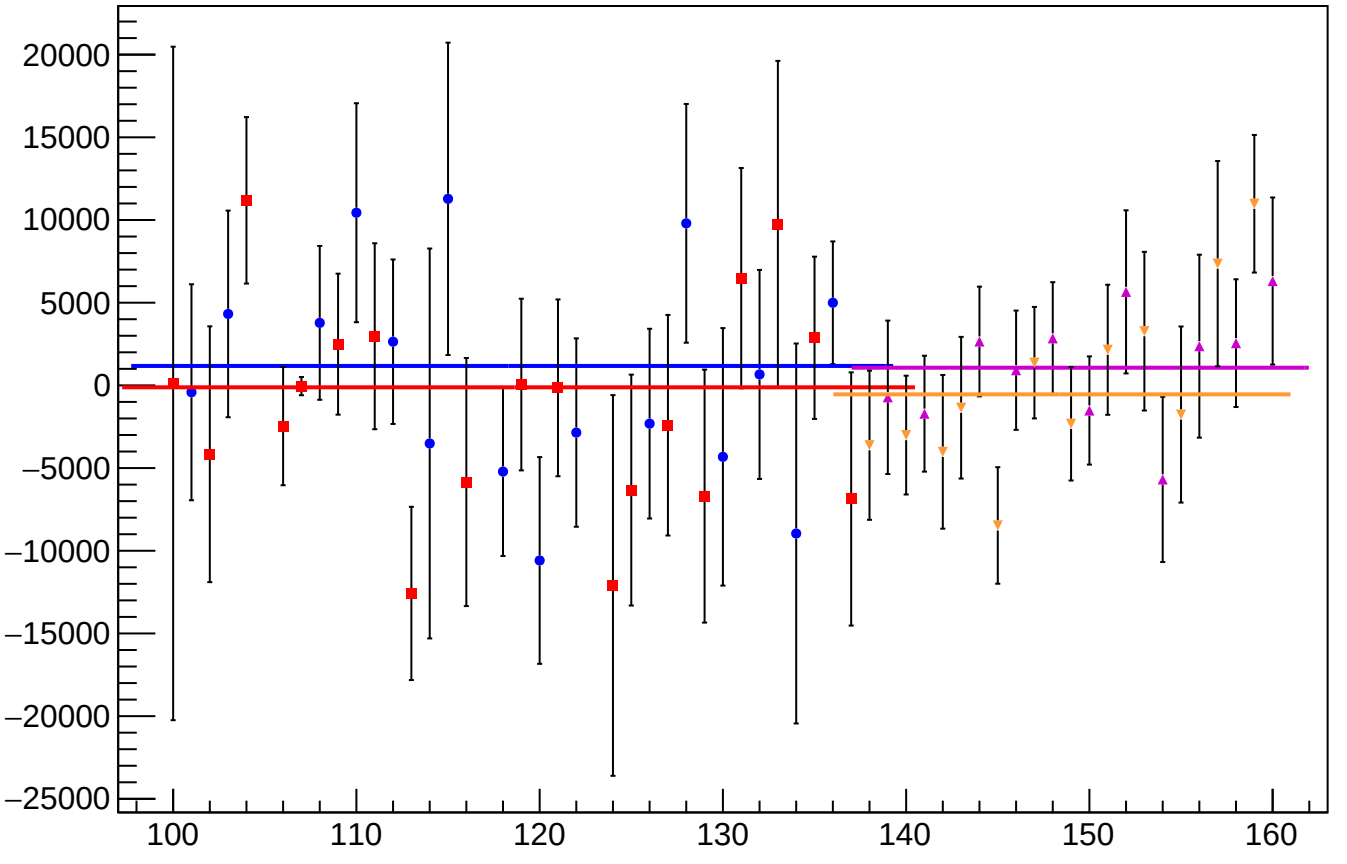
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1717.484+/-0.393 χ^2/NDF:15407.3/10

+ sign 1783.407+/-0.309 χ^2/NDF: 337818.2/27

All: 1783.530+/-0.218 χ^2/NDF: 786273.0/57

- 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: -542.397+/-1188.263 χ^2/NDF:17.6/11

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

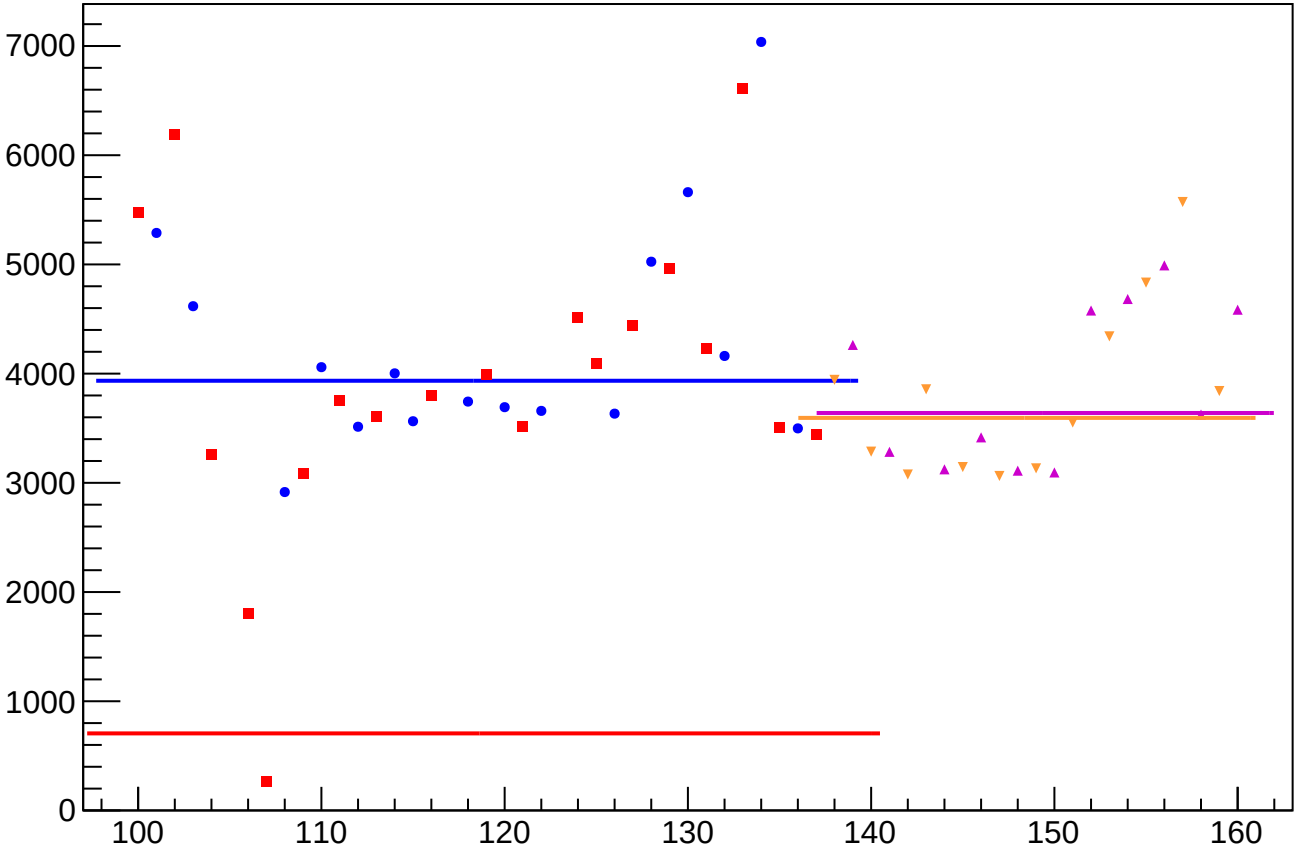
Left In: 1068.815+/-1198.852 χ^2/NDF:5.9/10

+ sign 118.791+/-931.932 χ^2/NDF: 32.2/27

All: 77.550+/-420.421 χ^2/NDF: 57.4/57

- 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: 3594.679+/-0.840 χ^2/NDF:544675.1/11

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

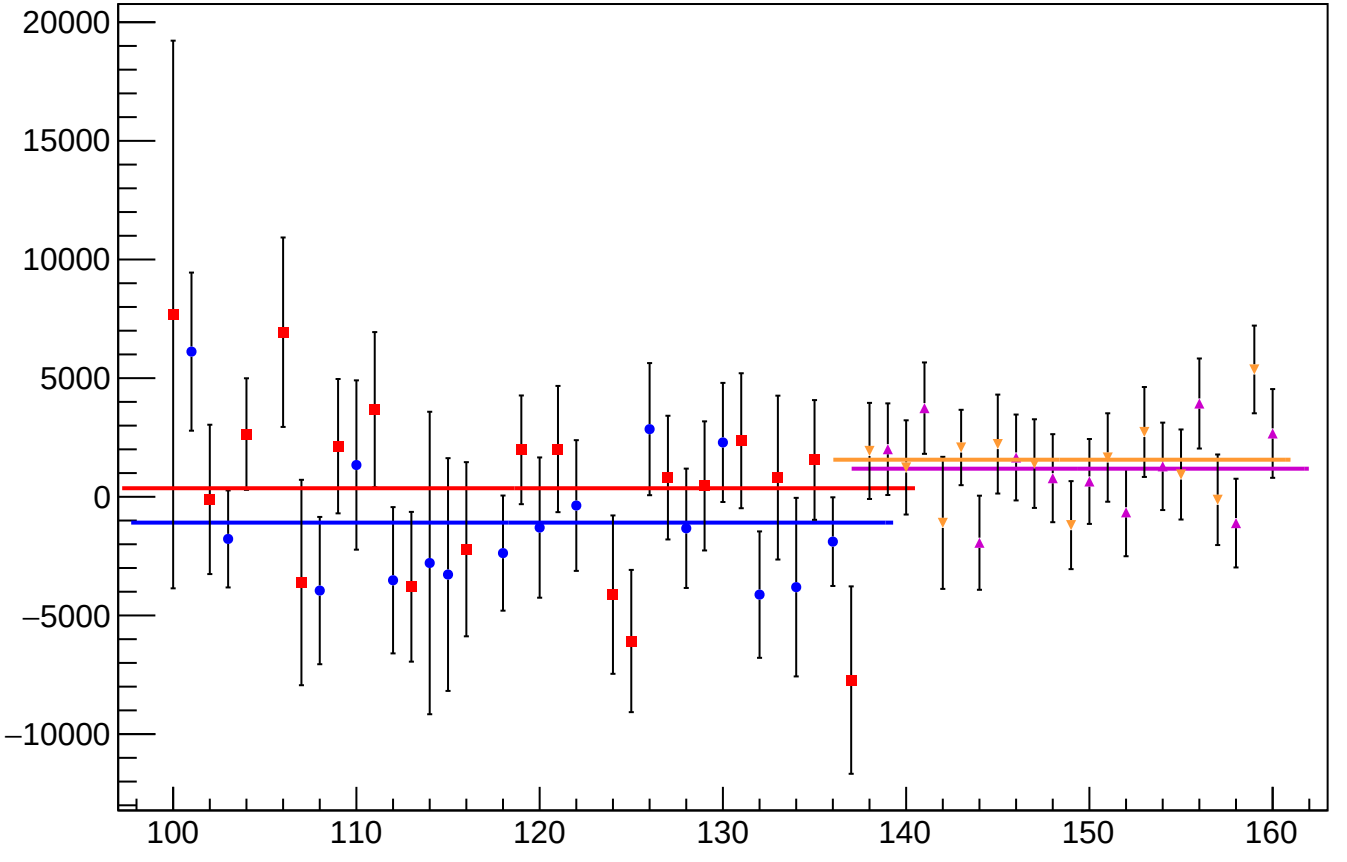
Left In: 3639.652+/-0.848 χ^2/NDF:565746.7/10

+ sign 3725.564+/-0.659 χ^2/NDF: 1167867.8/27

All: 1681.060+/-0.297 χ^2/NDF: 34695787.0/5

- 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: 1563.452+/-555.351 χ^2/NDF:8.9/11

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

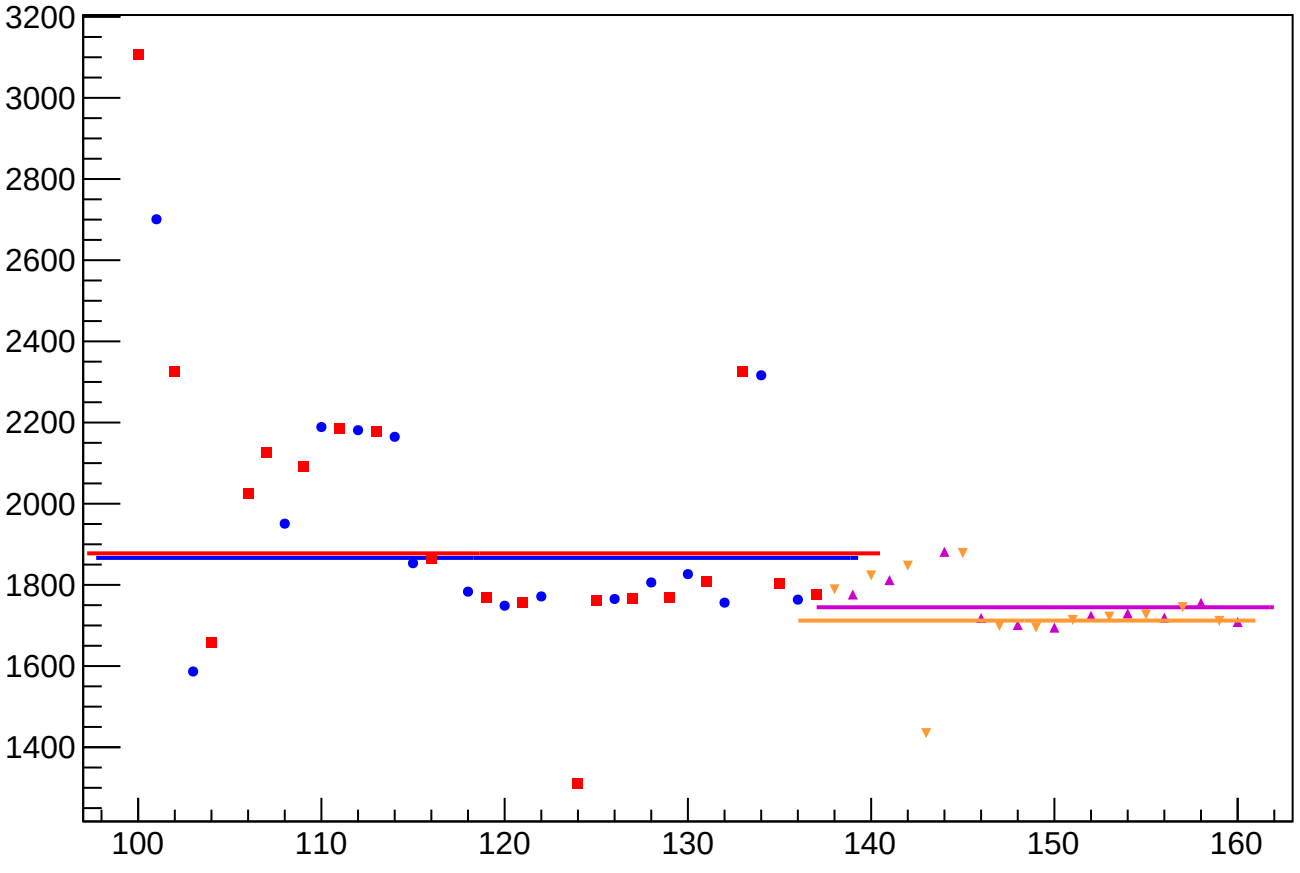
Left In: 1184.594+/-564.598 χ^2/NDF:9.8/10

+ sign 538.586+/-434.961 χ^2/NDF: 30.9/27

All: 697.607+/-309.115 χ^2/NDF: 62.7/57

- 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: 1712.076+/-0.393 χ^2/NDF:88711.0/11

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

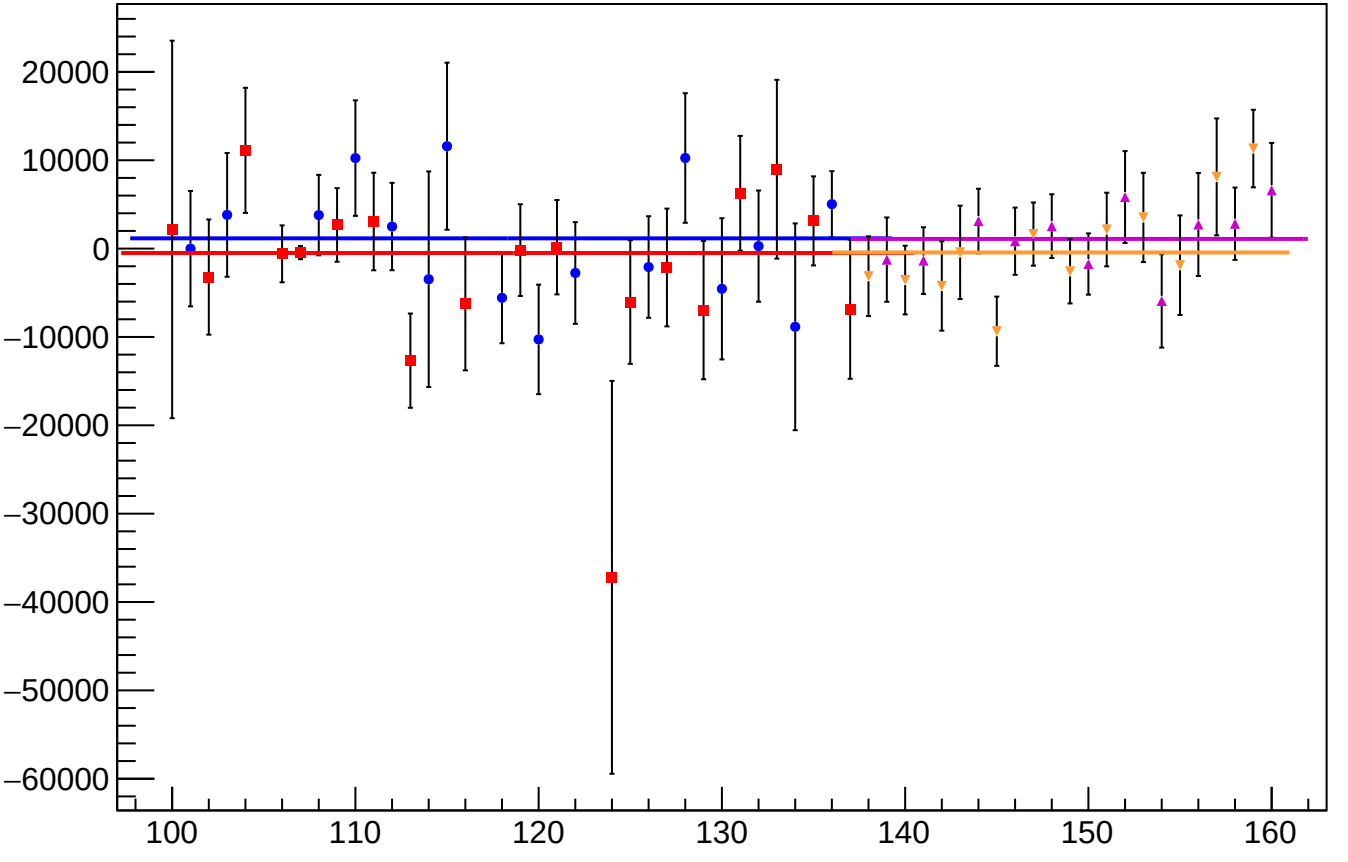
Left In: 1744.865+/-0.399 χ^2/NDF:17113.7/10

+ sign 1771.755+/-0.308 χ^2/NDF: 404718.5/27

All: 1784.396+/-0.219 χ^2/NDF: 720771.5/57

- 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: -437.338+/-1277.886 χ^2/NDF:17.3/11

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

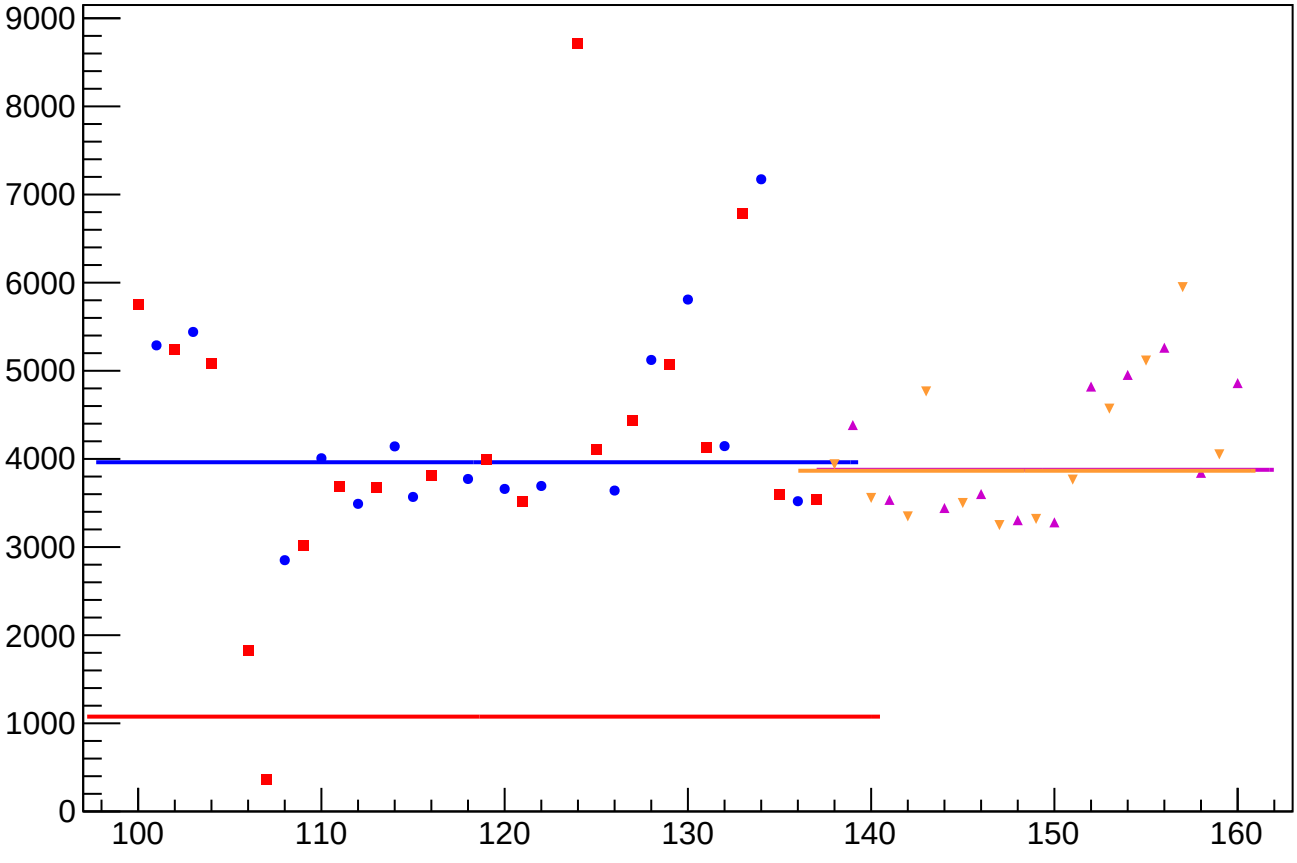
Left In: 1095.892+/-1275.318 χ^2/NDF:5.7/10

+ sign 228.580+/-976.058 χ^2/NDF: 31.7/27

All: -56.151+/-501.849 χ^2/NDF: 55.6/57

- 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: 3865.966+/-0.904 χ^2/NDF:554668.3/11

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

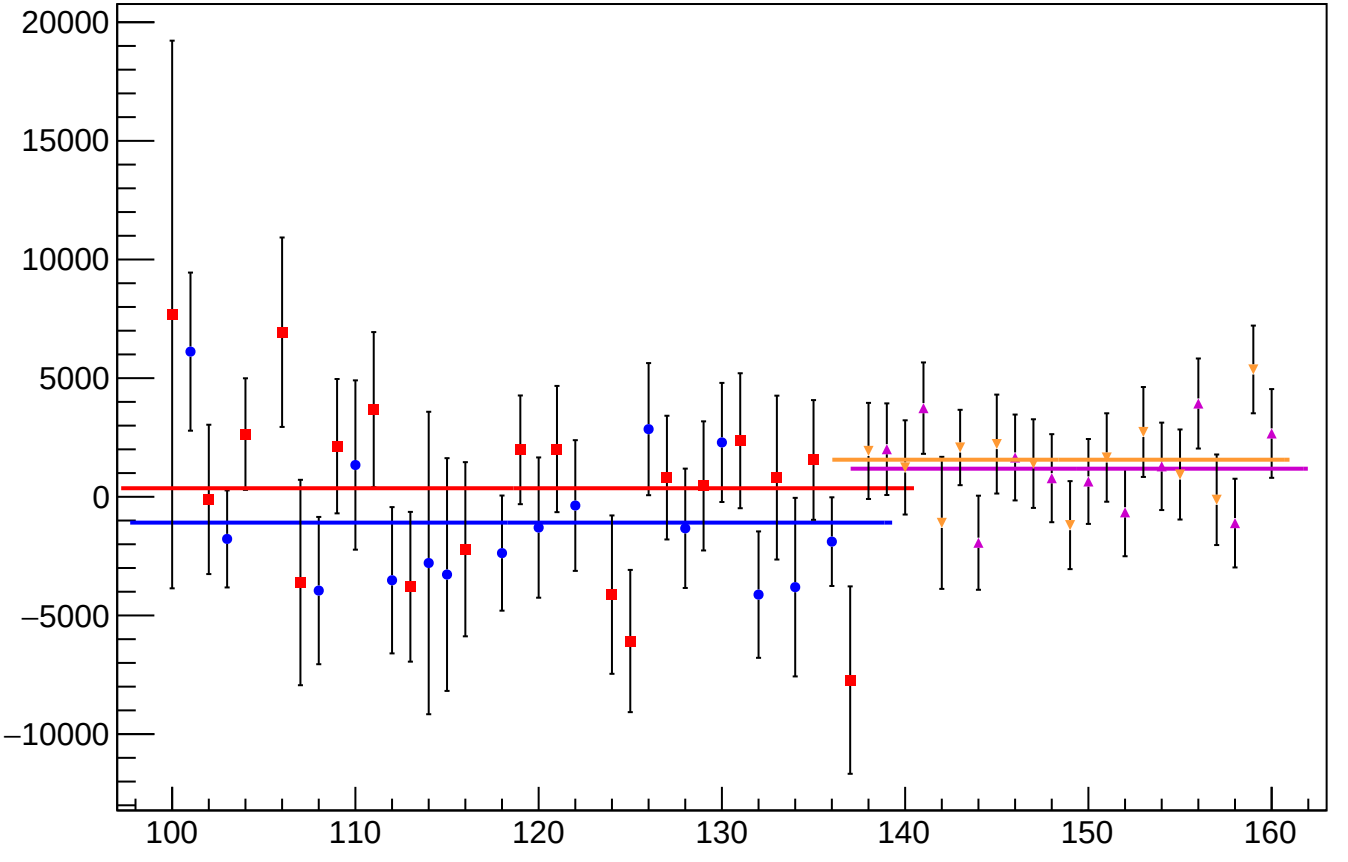
Left In: 3876.578+/-0.902 χ^2/NDF:516514.2/10

+ sign 3906.127+/-0.690 χ^2/NDF: 1227749.6/27

All: 2257.812+/-0.355 χ^2/NDF: 26670811.8/5

- 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: 1563.454+/-555.351 χ^2/NDF:8.9/11

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

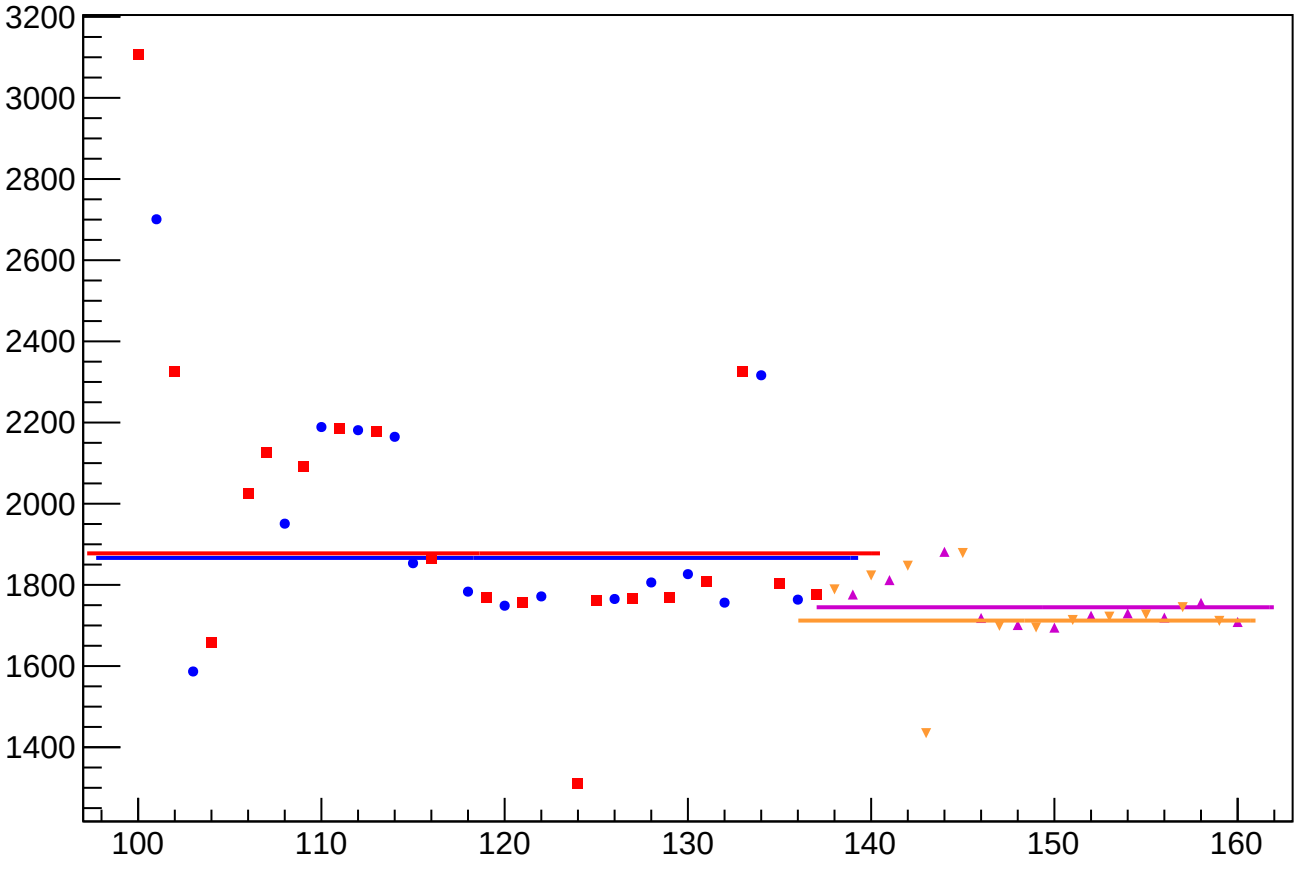
Left In: 1184.594+/-564.598 χ^2/NDF:9.8/10

+ sign 538.585+/-434.961 χ^2/NDF: 30.9/27

All: 697.608+/-309.115 χ^2/NDF: 62.7/57

- 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: 1712.077+/-0.393 χ^2/NDF:88710.1/11

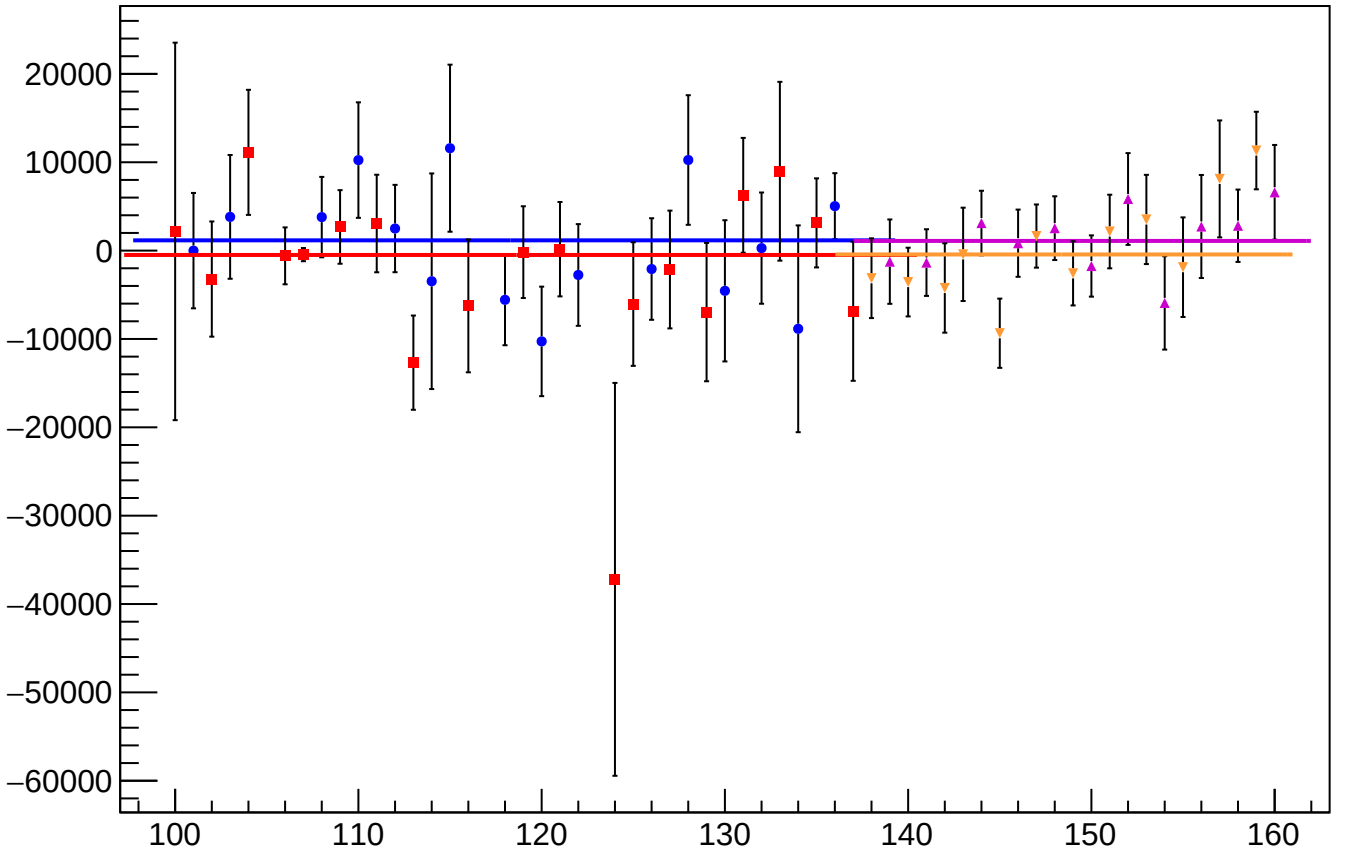
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1744.865+/-0.399 χ^2/NDF:17113.6/10

+ sign 1771.755+/-0.308 χ^2/NDF: 404716.7/27

All: 1784.396+/-0.219 χ^2/NDF: 720769.5/57

- 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: -437.337+/-1277.887 χ^2/NDF:17.3/11

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

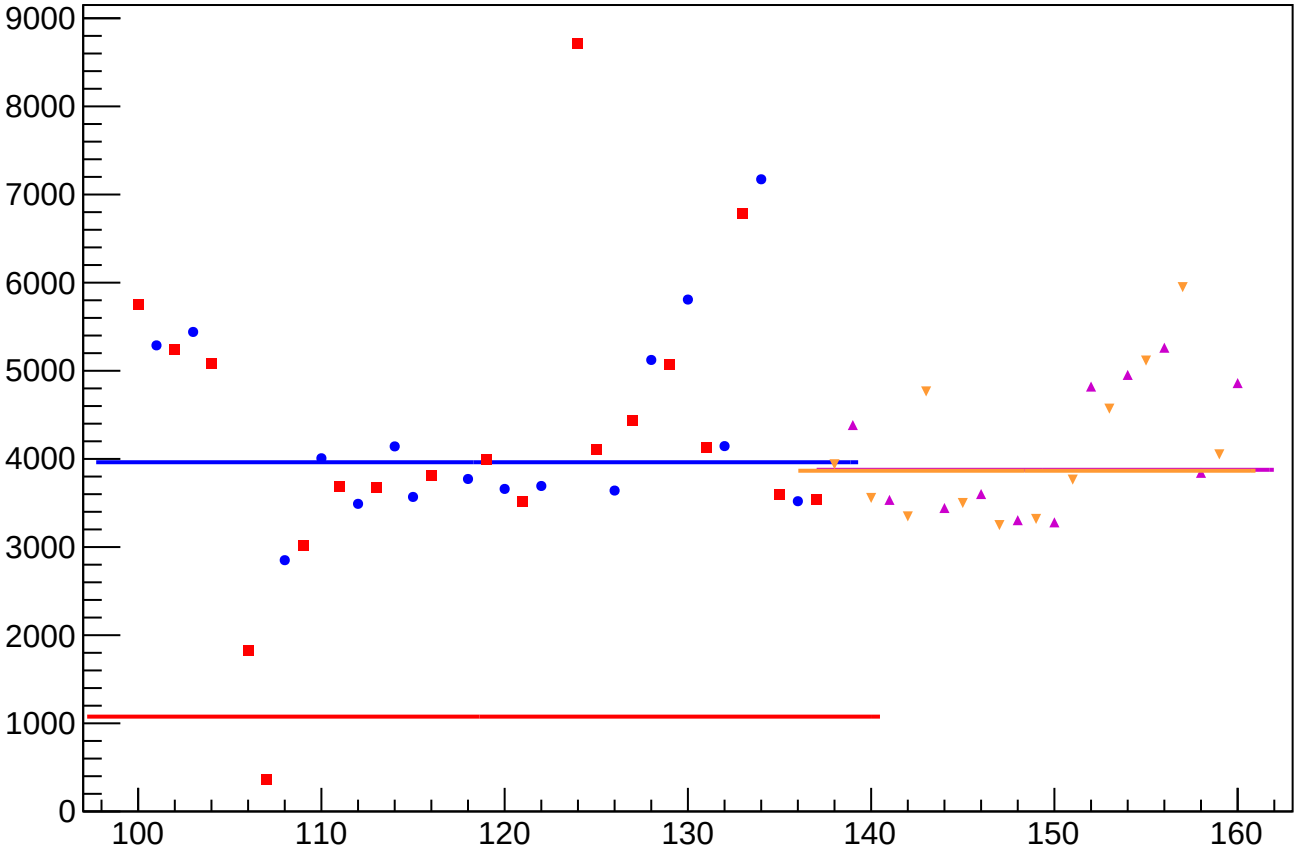
Left In: 1095.890+/-1275.320 χ^2/NDF:5.7/10

\+ sign 228.574+/-976.058 χ^2/NDF: 31.7/27

All: -56.149+/-501.854 χ^2/NDF: 55.6/57

\- 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: 3865.970+/-0.904 χ^2/NDF:554665.9/11

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

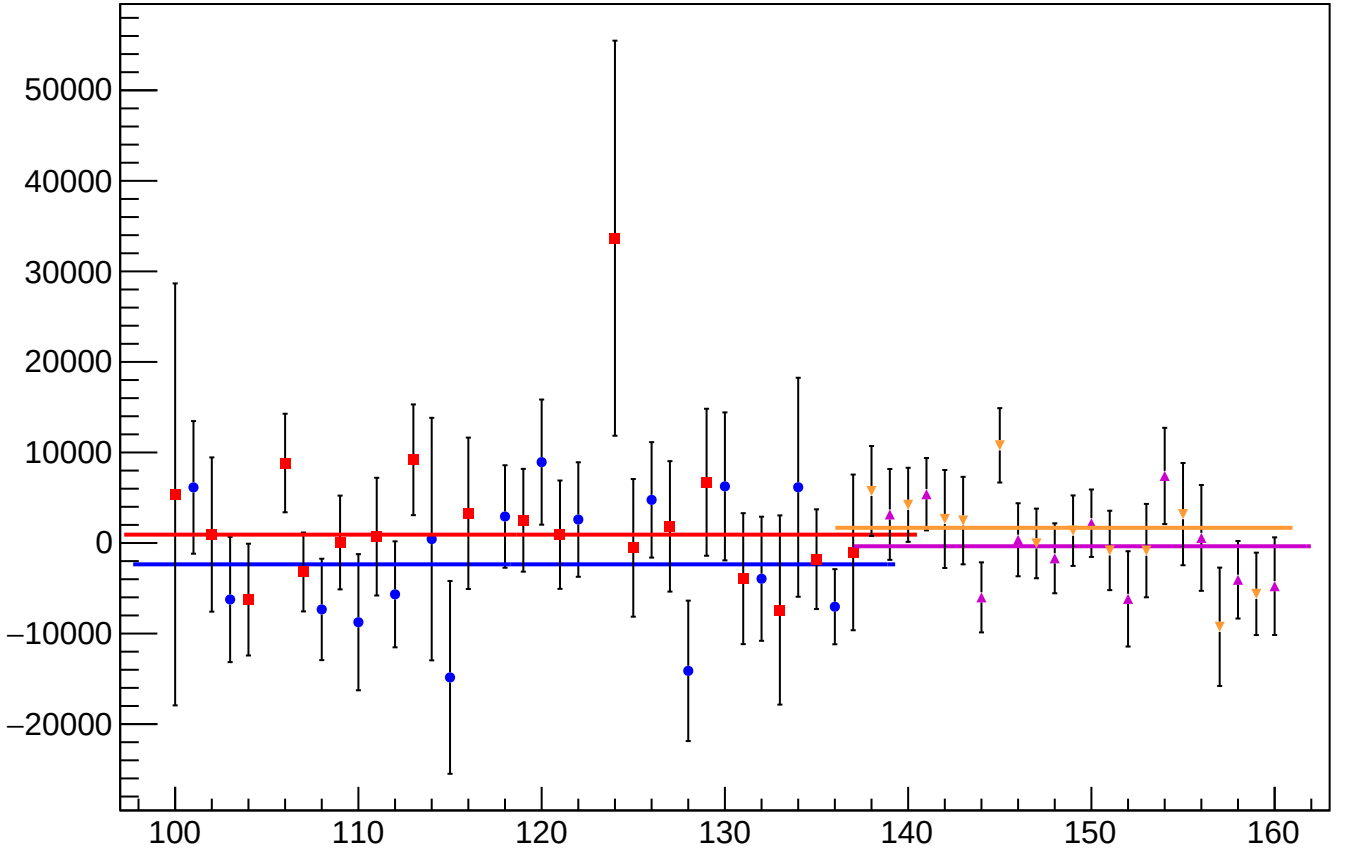
Left In: 3876.582+/-0.902 χ^2/NDF:516512.2/10

+ sign 3906.127+/-0.690 χ^2/NDF: 1227742.6/27

All: 2257.853+/-0.355 χ^2/NDF: 26670139.2/5

- 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: 1681.553+/-1332.842 χ^2/NDF:12.2/11

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

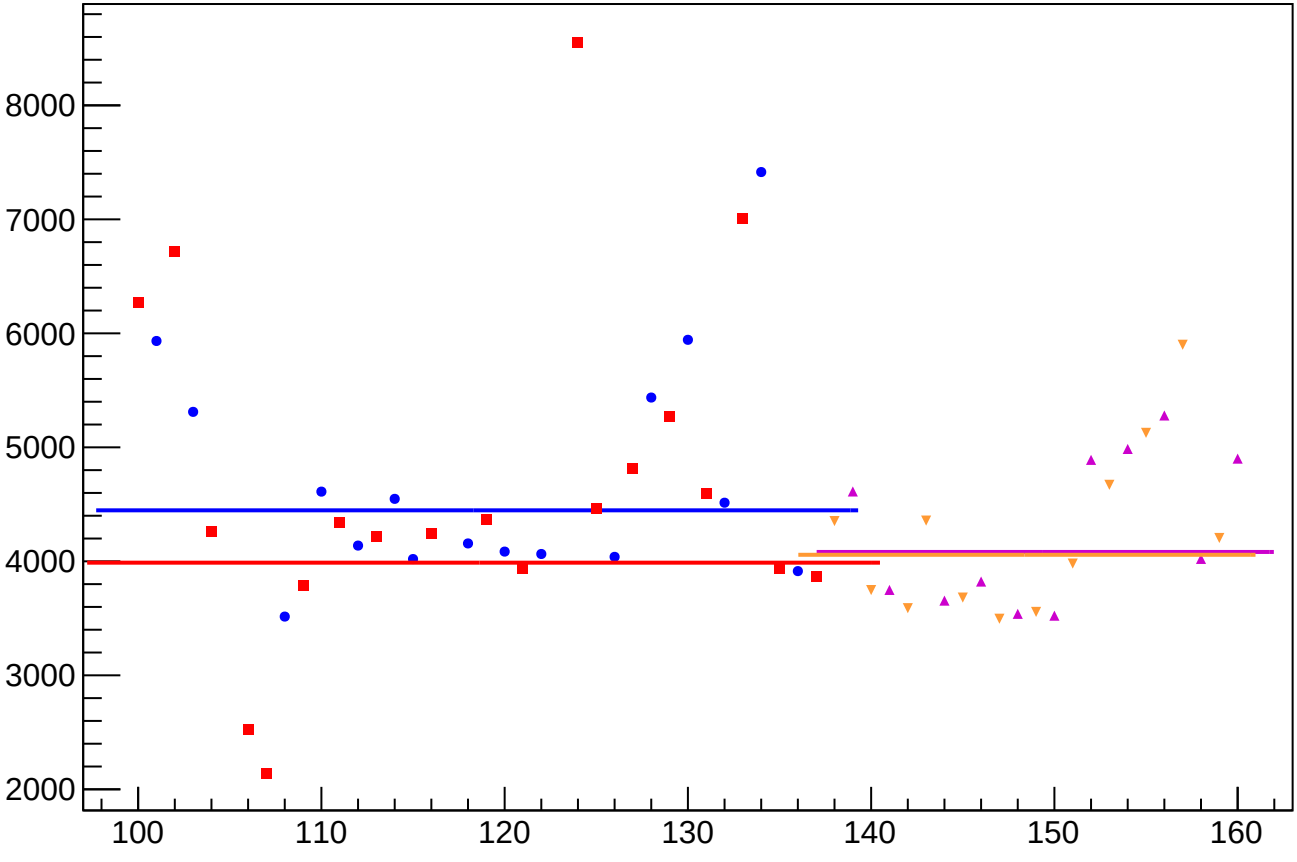
Left In: -357.767+/-1336.798 χ^2/NDF:10.1/10

+ sign 127.795+/-1045.295 χ^2/NDF: 31.3/27

All: 160.236+/-726.872 χ^2/NDF: 52.4/57

- 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: 4057.396+/-0.942 χ^2/NDF:395369.9/11

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

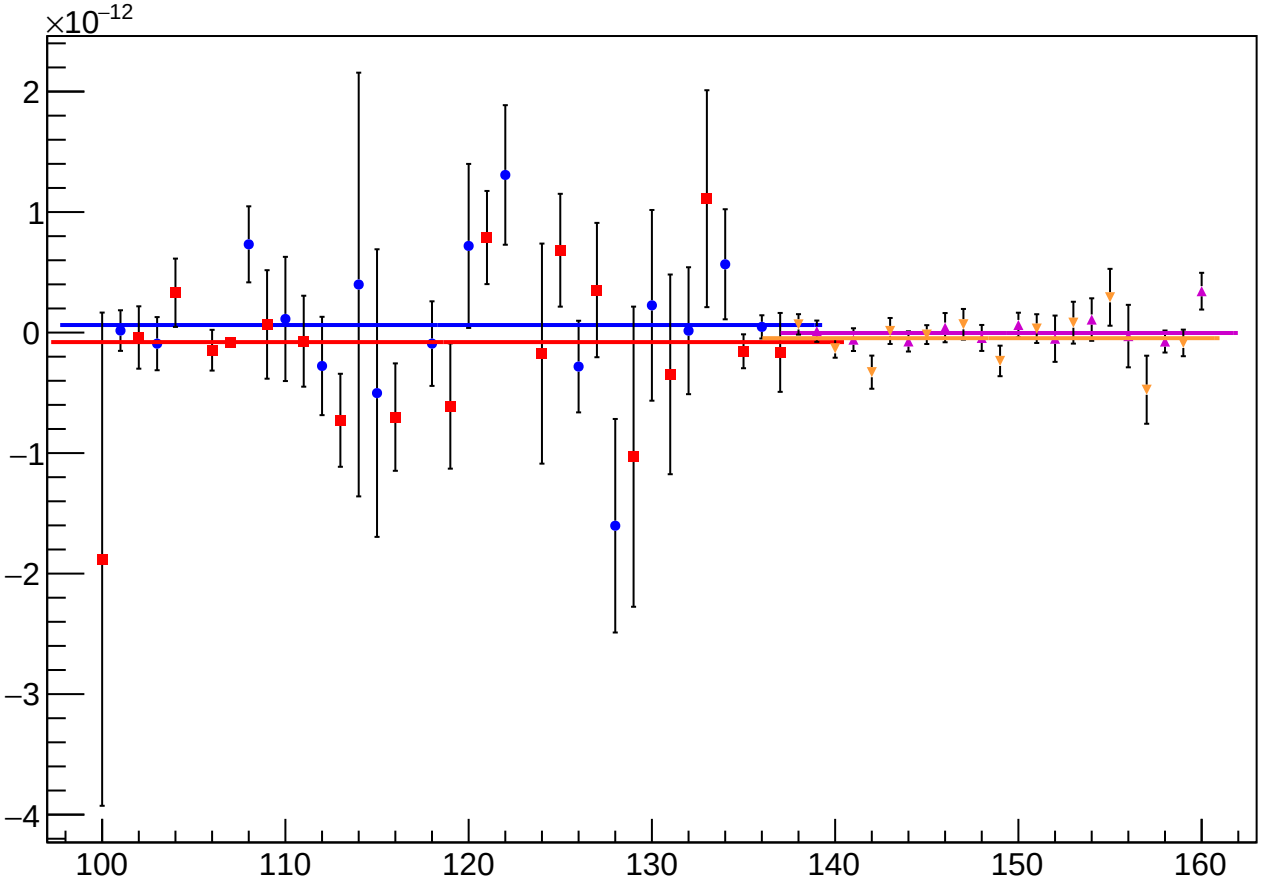
Left In: 4082.243+/-0.945 χ^2/NDF:388820.0/10

+ sign 4207.532+/-0.739 χ^2/NDF: 919546.6/27

All: 4121.480+/-0.513 χ^2/NDF: 2482710.9/57

- 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:16.2/11

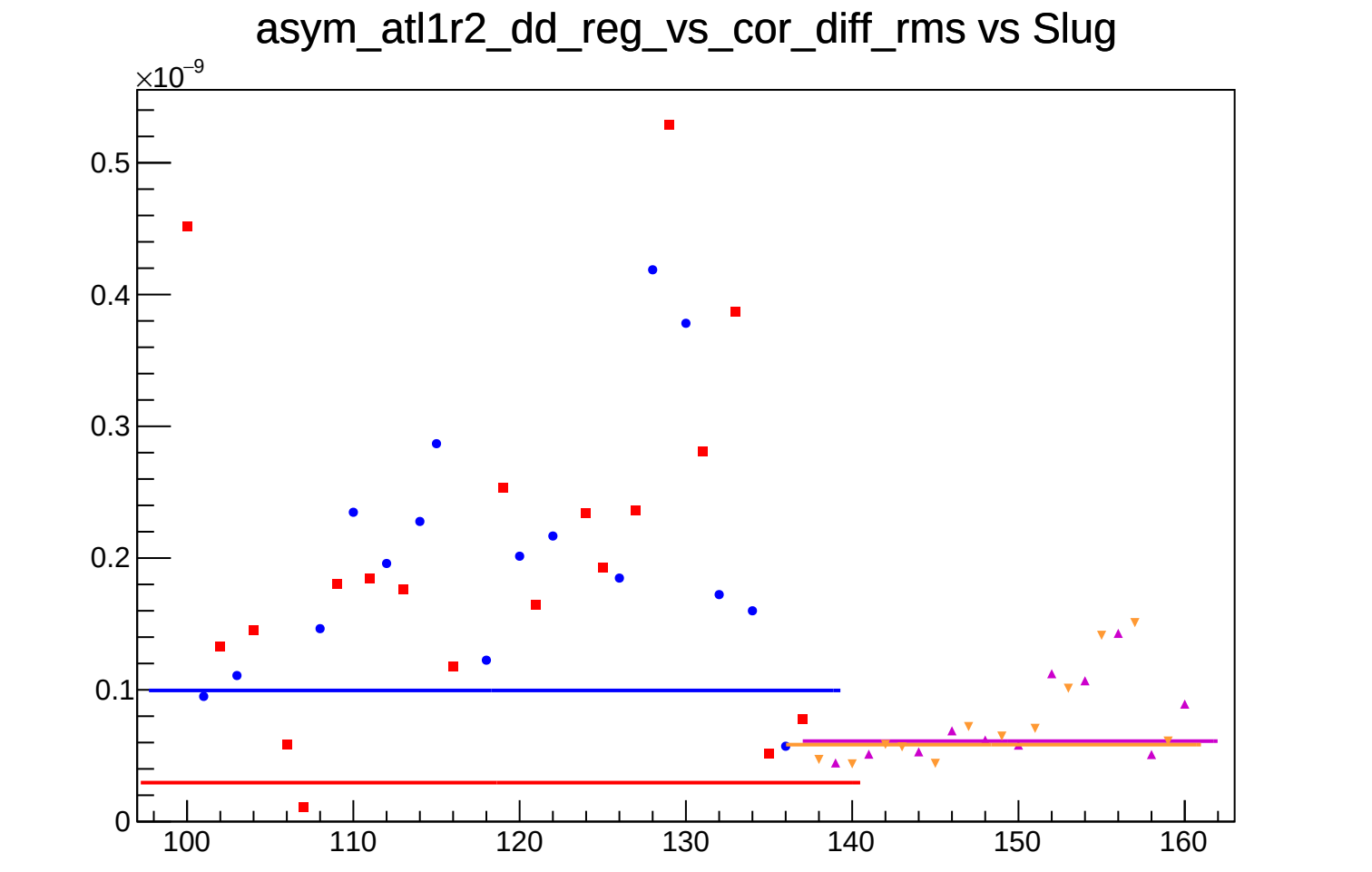
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.7/27

All: -0.000+/-0.000 χ^2/NDF: 66.5/57

- 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:806313.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

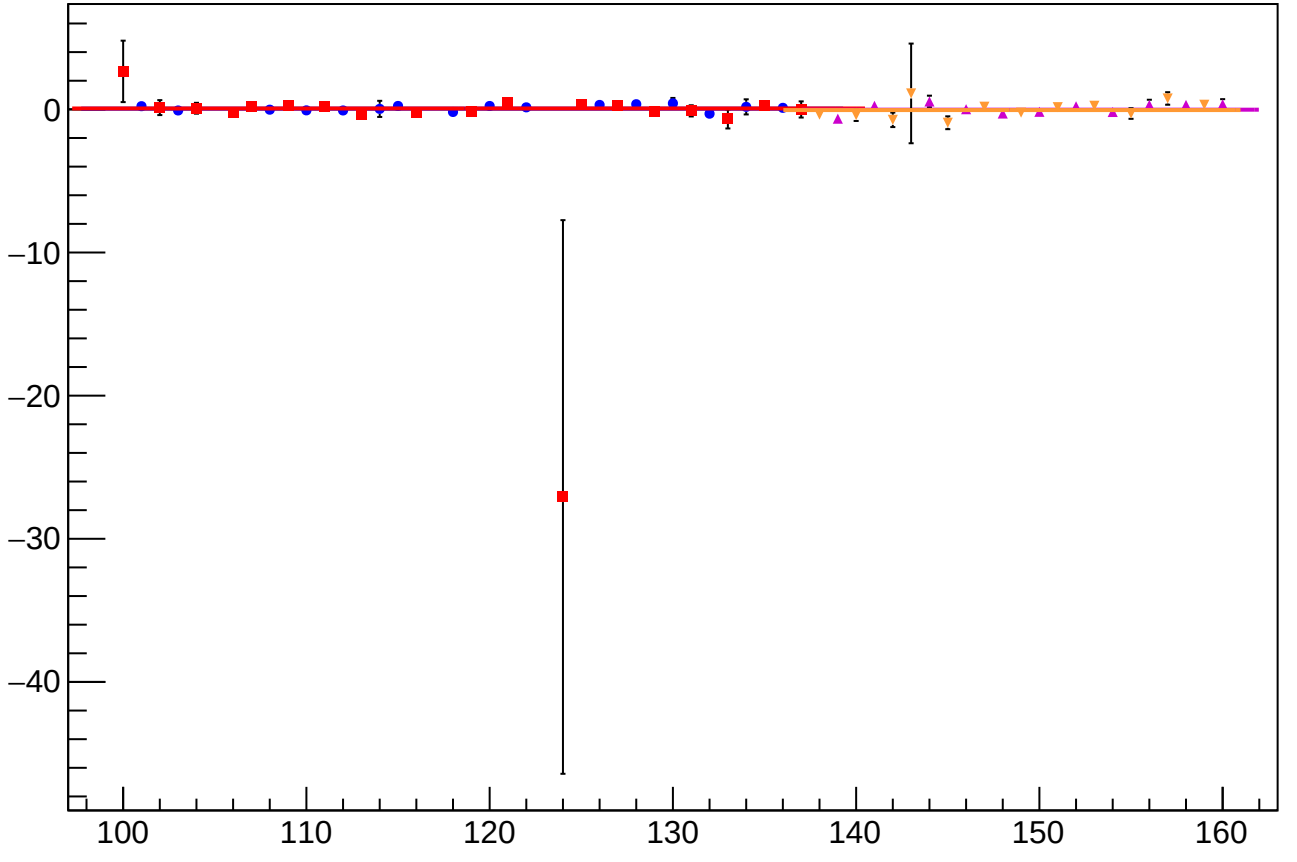
Left In: 0.000+/-0.000 χ^2/NDF:689547.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 2963429.3/27

All: 0.000+/-0.000 χ^2/NDF: 9517477.3/57

- 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: -0.049+/-0.102 χ^2/NDF:15.5/11

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

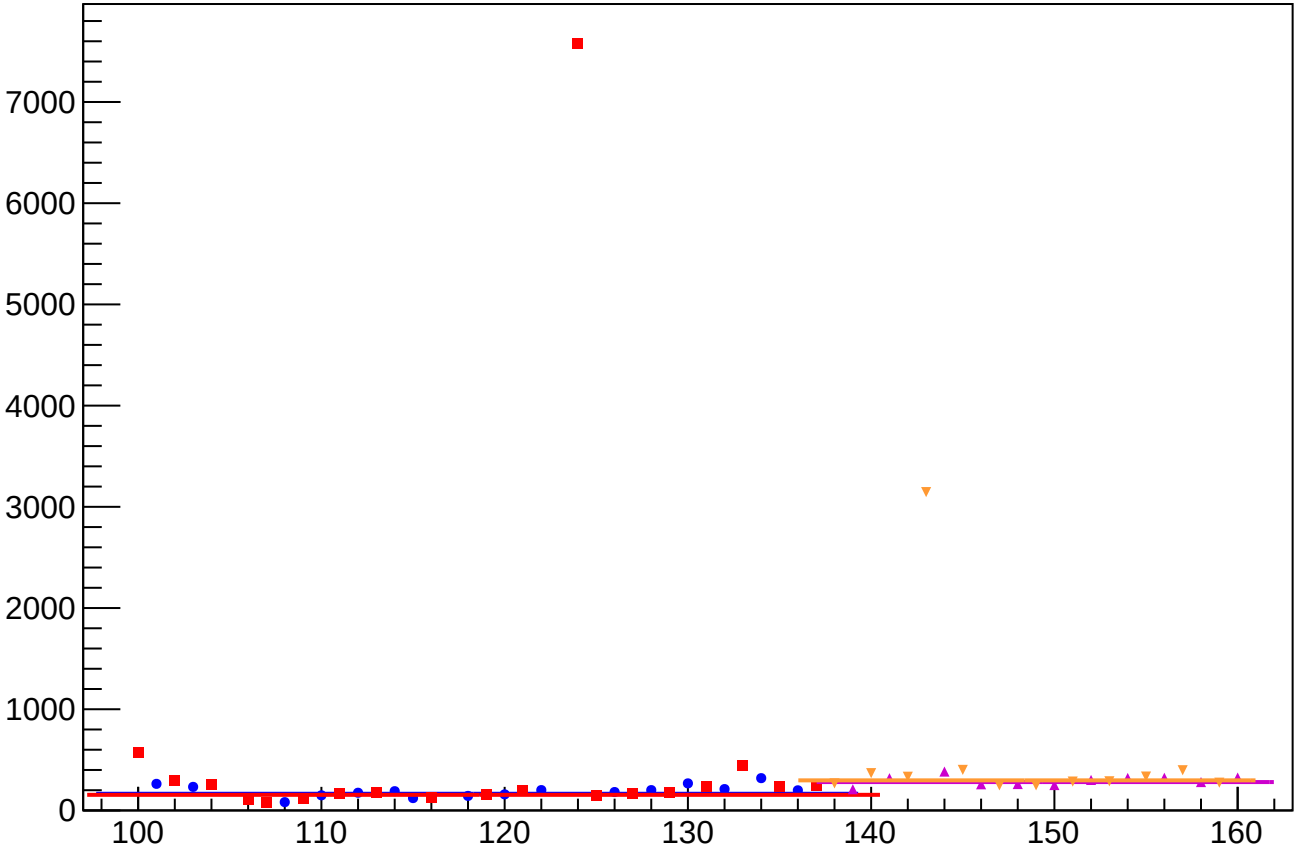
Left In: -0.022+/-0.093 χ^2/NDF:14.6/10

+ sign 0.019+/-0.056 χ^2/NDF: 23.8/27

All: 0.027+/-0.038 χ^2/NDF: 57.4/57

- 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: 297.385+/-0.072 χ^2/NDF:1807684.5/11

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

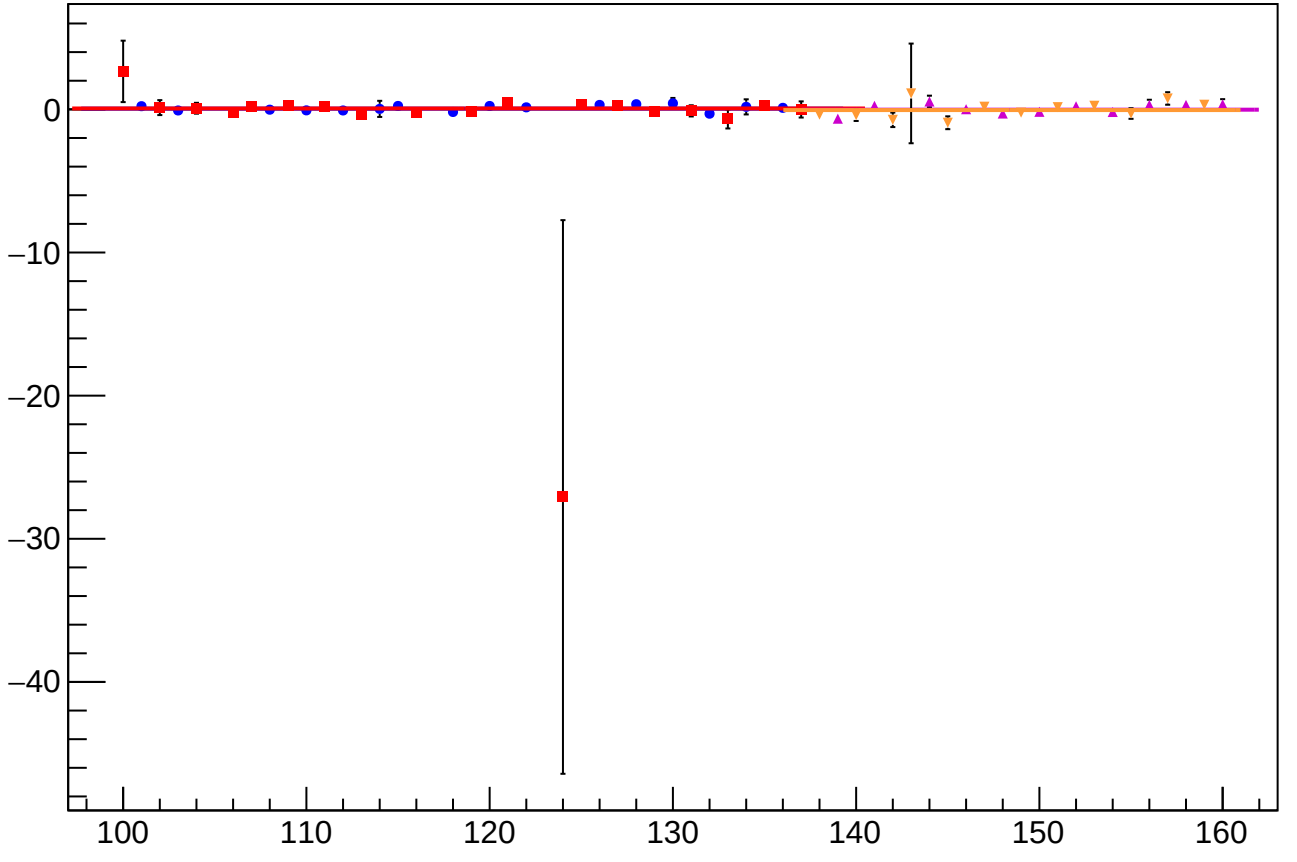
Left In: 280.500+/-0.066 χ^2/NDF:474899.1/10

+ sign 204.338+/-0.039 χ^2/NDF: 5655046.9/27

All: 199.642+/-0.027 χ^2/NDF: 10572157.5/57

- sign 195.398+/-0.037 χ^2/NDF: 4889994.2/29

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.049+/-0.102 χ^2/NDF:15.5/11

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

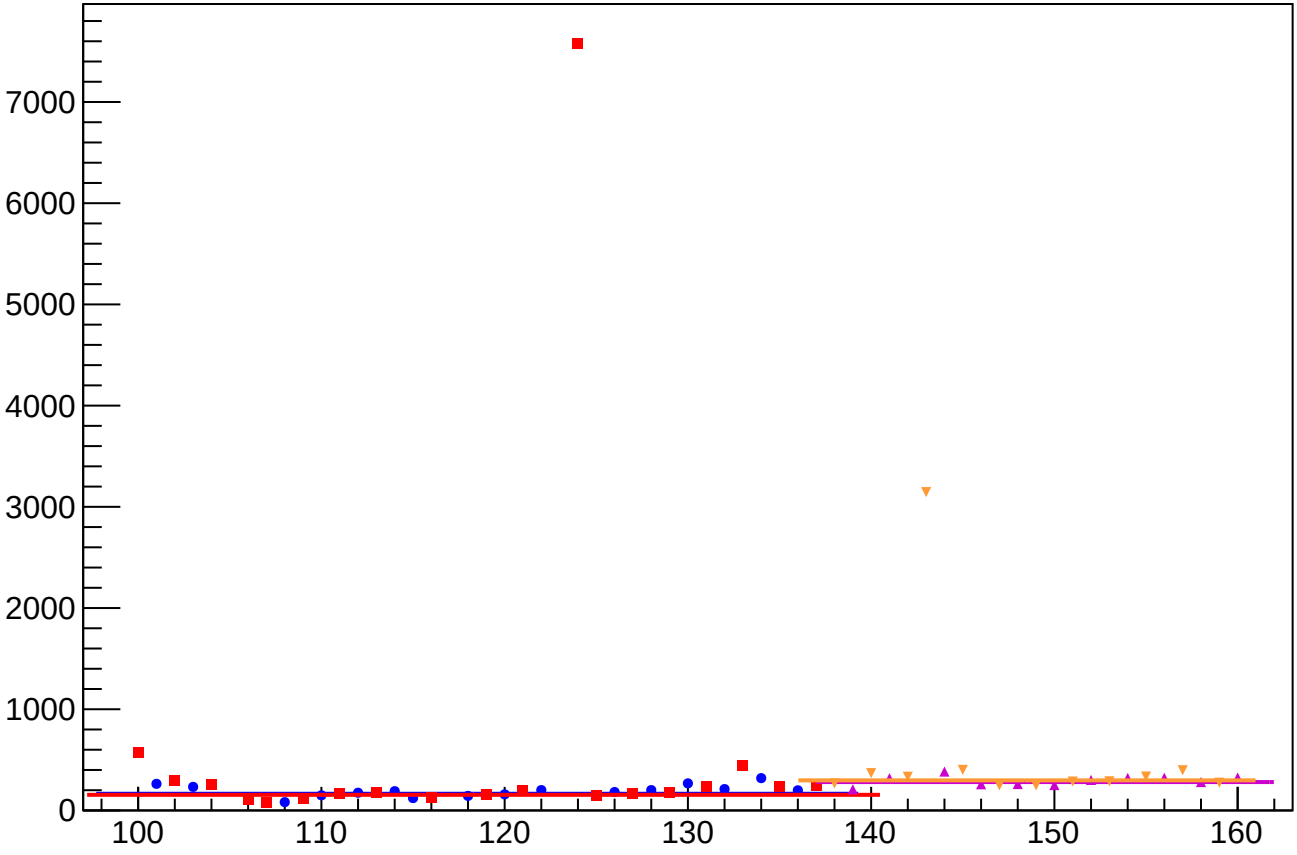
Left In: -0.022+/-0.093 χ^2/NDF:14.6/10

+ sign 0.019+/-0.056 χ^2/NDF: 23.8/27

All: 0.027+/-0.038 χ^2/NDF: 57.4/57

- 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: 297.385+/-0.072 χ^2/NDF:1807684.5/11

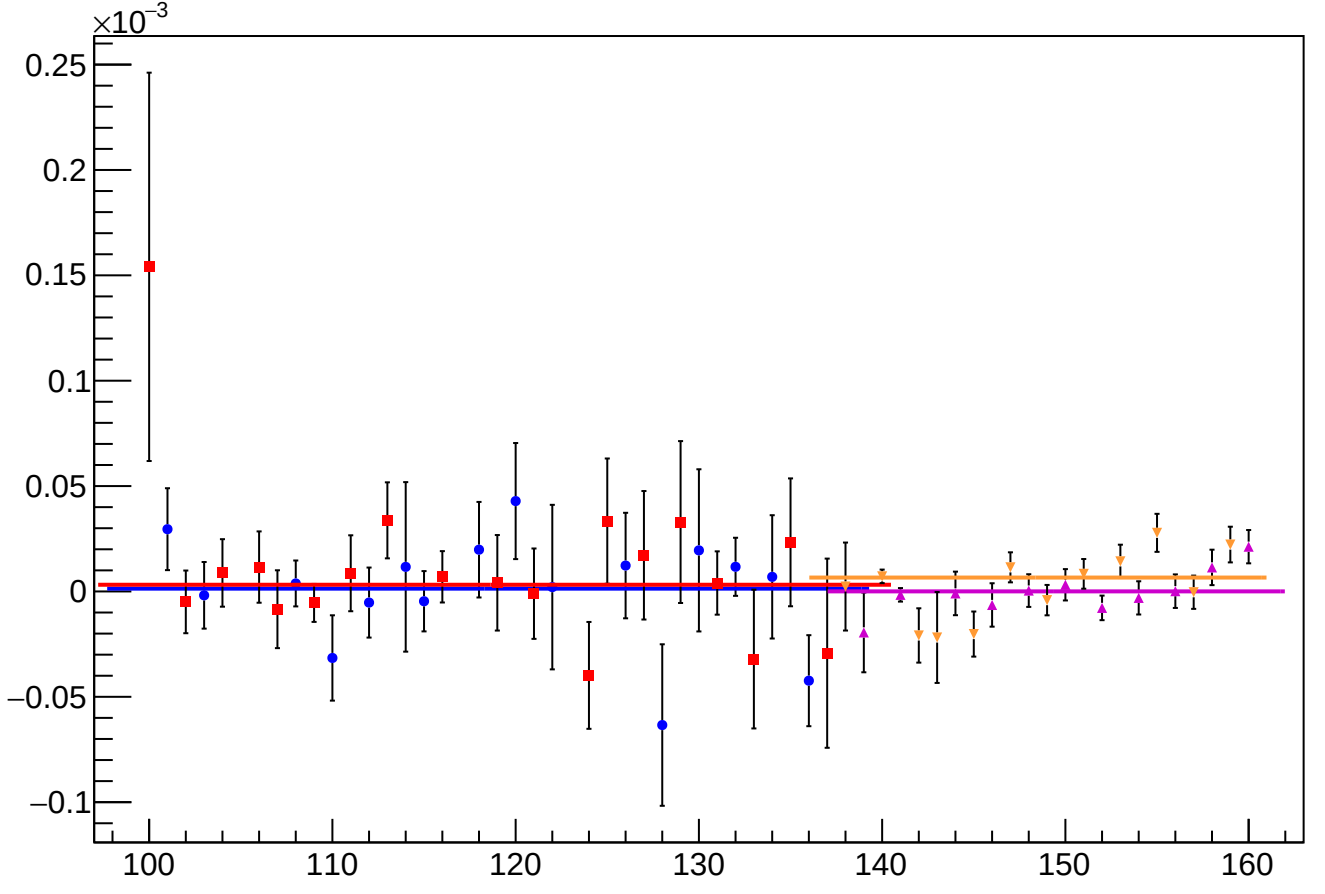
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 280.500+/-0.066 χ^2/NDF:474899.1/10

+ sign 204.338+/-0.039 χ^2/NDF: 5655046.9/27

All: 199.642+/-0.027 χ^2/NDF: 10572157.5/57

- 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:26.0/11

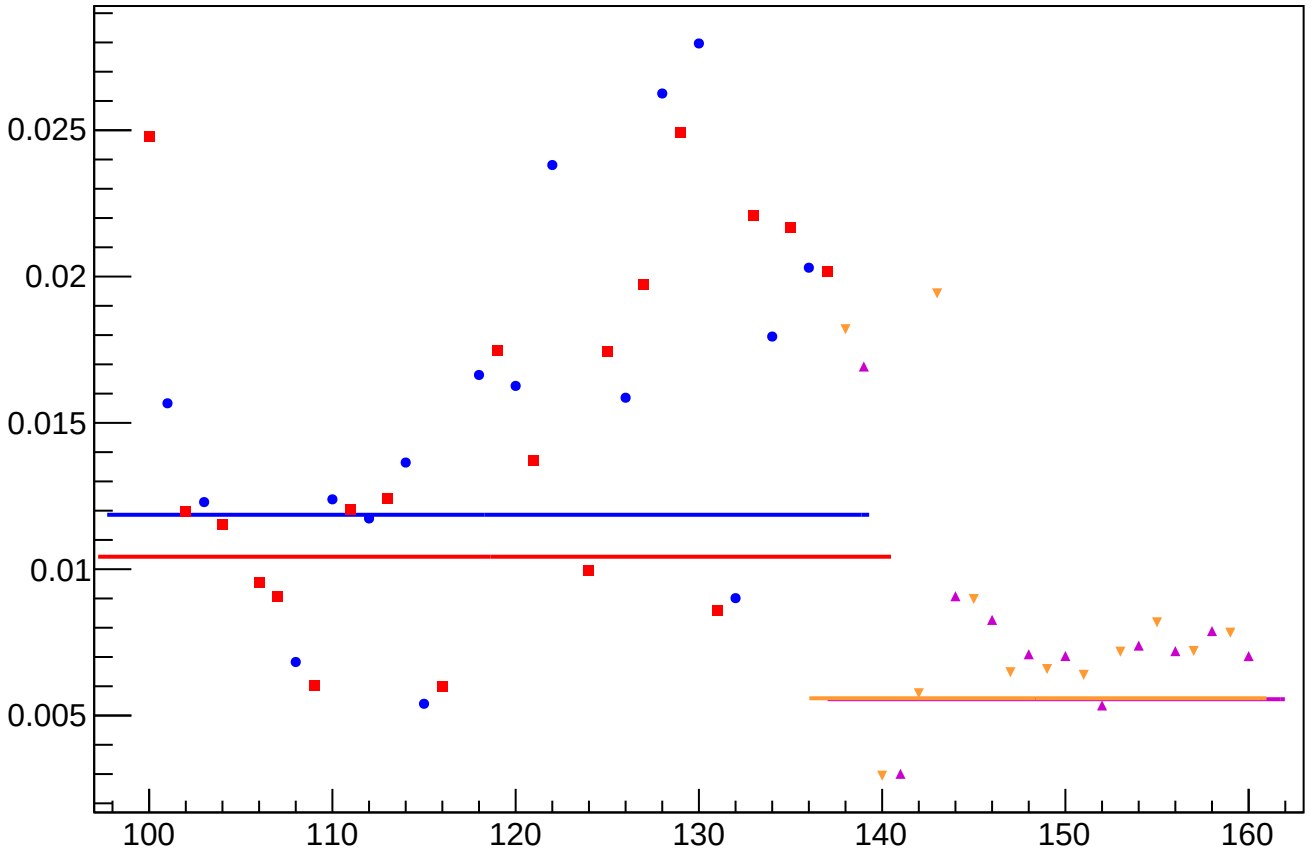
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 43.2/27

All: 0.000+/-0.000 χ^2/NDF: 75.0/57

- sign 0.000+/-0.000 χ^2/NDF: 27.9/29



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:3677820.8/11

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

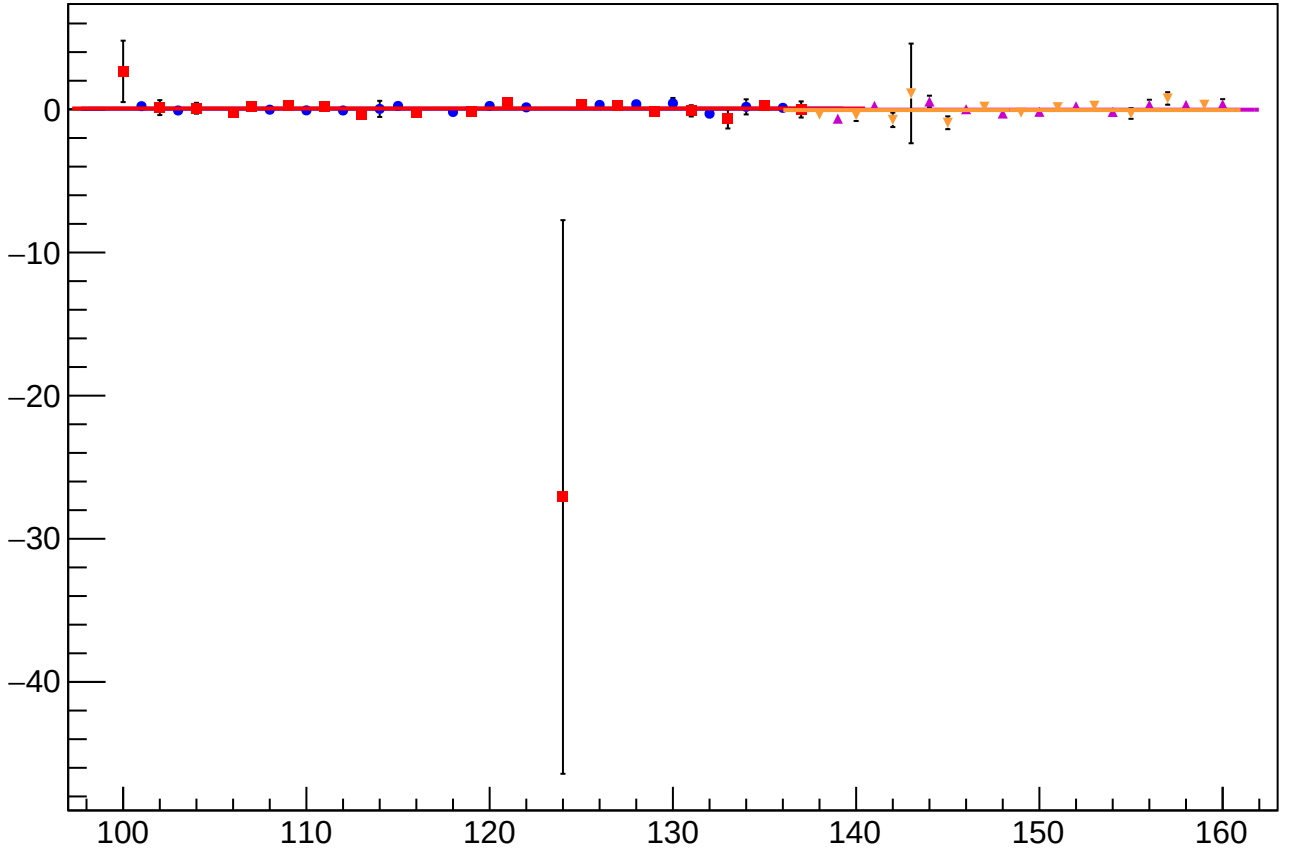
Left In: 0.006+/-0.000 χ^2/NDF:2934325.1/10

+ sign 0.007+/-0.000 χ^2/NDF: 8889489.0/27

All: 0.007+/-0.000 χ^2/NDF: 16332761.1/57

- sign 0.006+/-0.000 χ^2/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: -0.049+/-0.102 χ^2/NDF:15.5/11

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

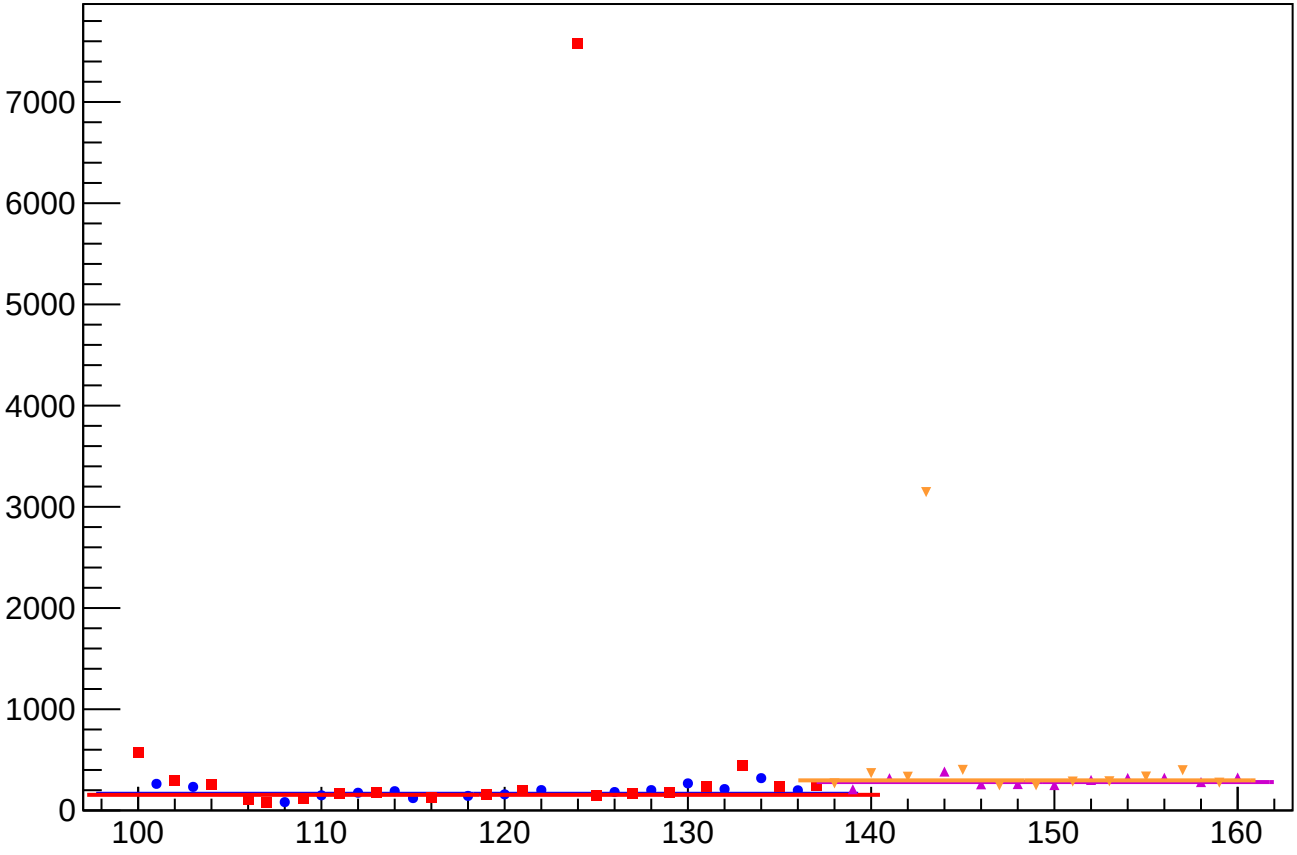
Left In: -0.022+/-0.093 χ^2/NDF:14.6/10

+ sign 0.019+/-0.056 χ^2/NDF: 23.8/27

All: 0.027+/-0.038 χ^2/NDF: 57.4/57

- 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: 297.389+/-0.072 χ^2/NDF:1807654.8/11

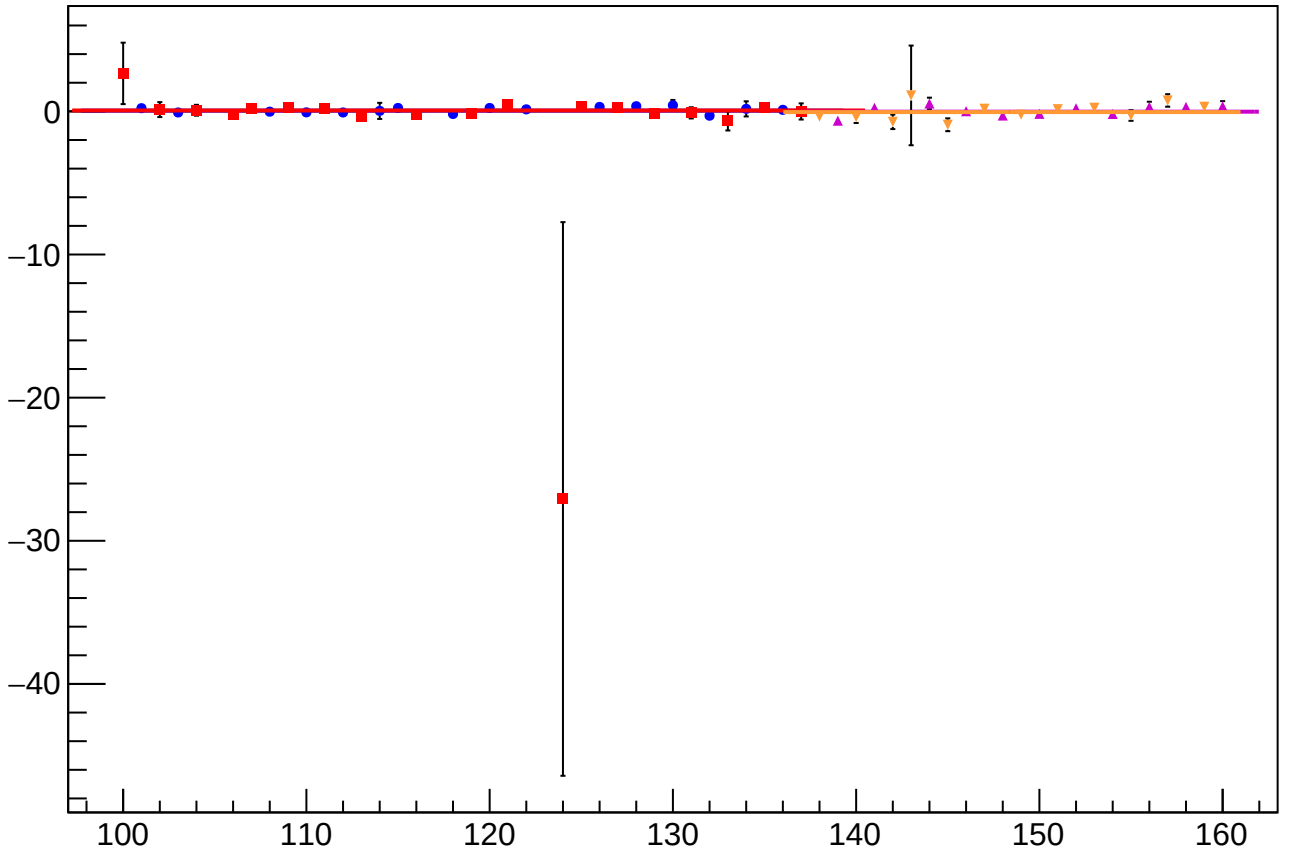
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 280.503+/-0.066 χ^2/NDF:474868.4/10

+ sign 204.338+/-0.039 χ^2/NDF: 5655097.6/27

All: 199.643+/-0.027 χ^2/NDF: 10572310.0/57

- 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: -0.049+/-0.102 χ^2/NDF:15.5/11

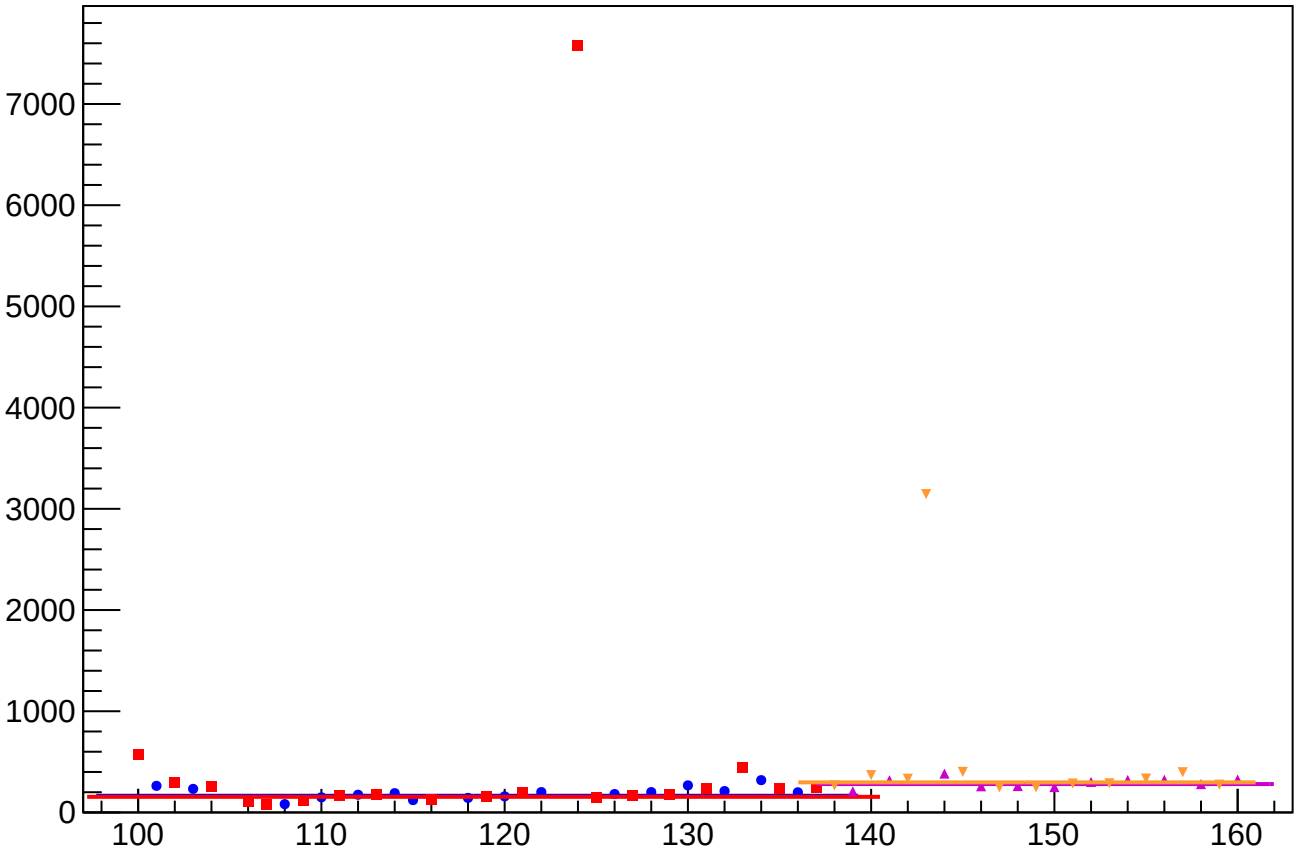
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.022+/-0.093 χ^2/NDF:14.6/10

+ sign 0.019+/-0.056 χ^2/NDF: 23.8/27

All: 0.027+/-0.038 χ^2/NDF: 57.4/57

- 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: 297.389+/-0.072 χ^2/NDF:1807654.8/11

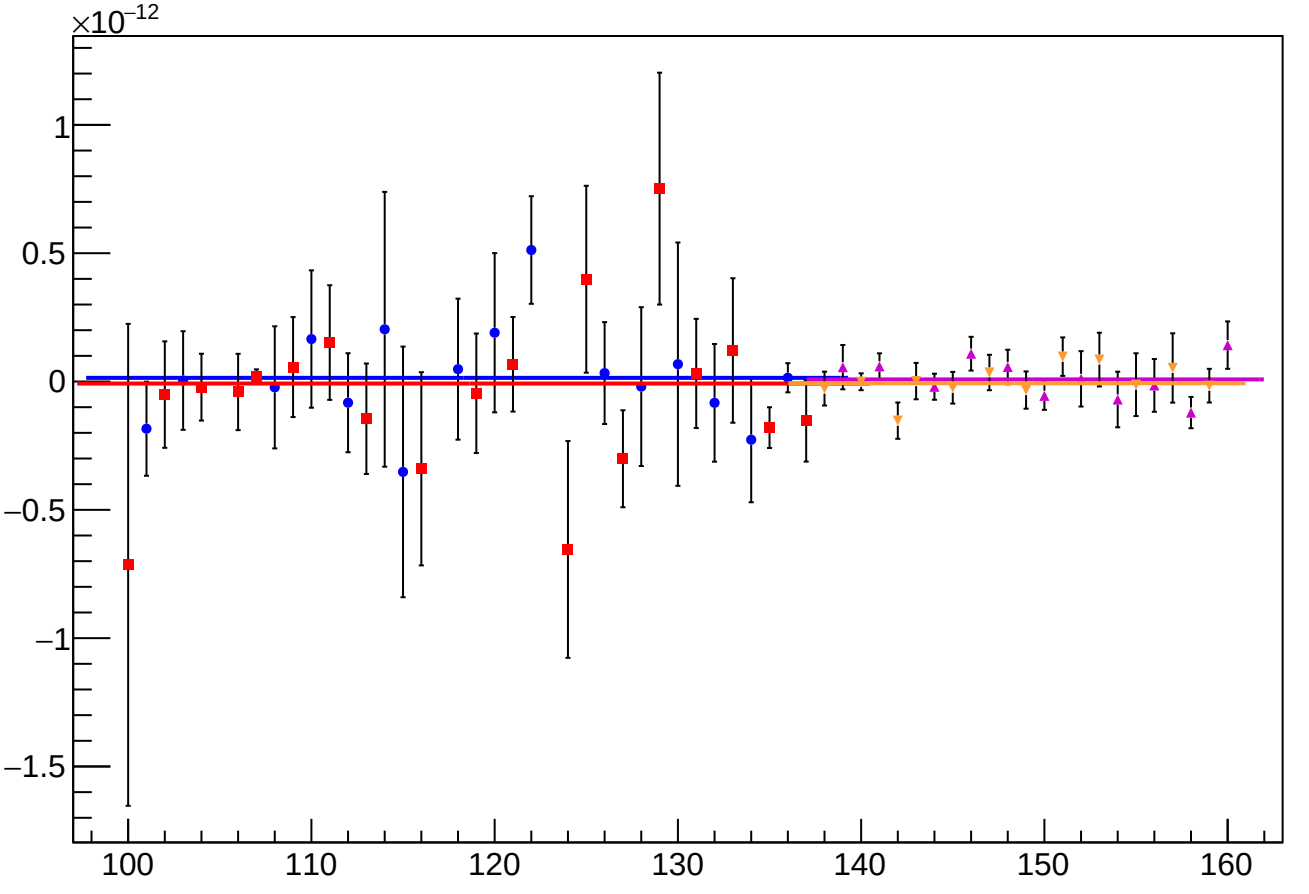
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 280.503+/-0.066 χ^2/NDF:474868.4/10

+ sign 204.338+/-0.039 χ^2/NDF: 5655097.6/27

All: 199.643+/-0.027 χ^2/NDF: 10572310.0/57

- 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:7.9/11

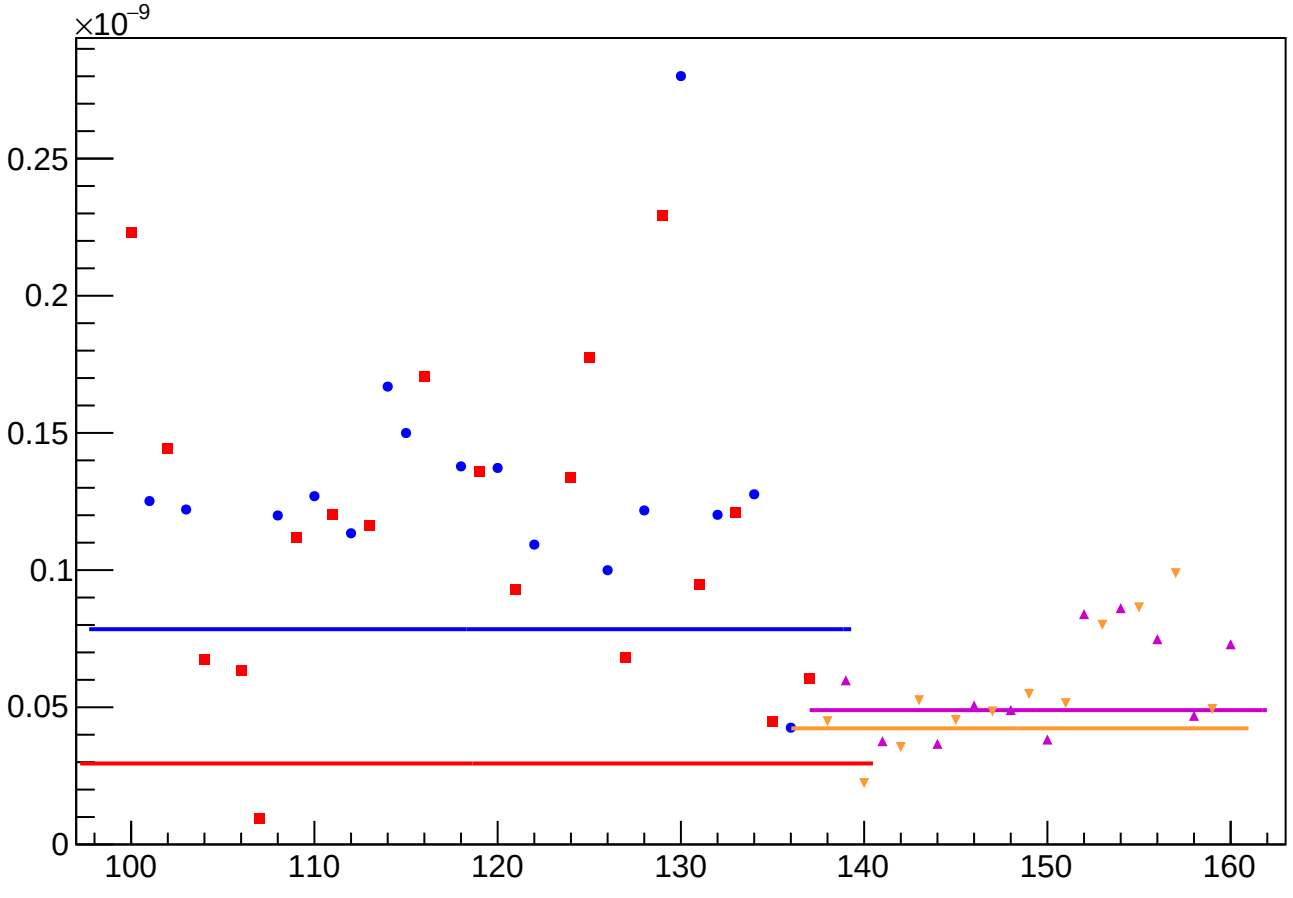
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 17.7/27

All: -0.000+/-0.000 χ^2/NDF: 49.4/57

- sign 0.000+/-0.000 χ^2/NDF: 31.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1806983.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

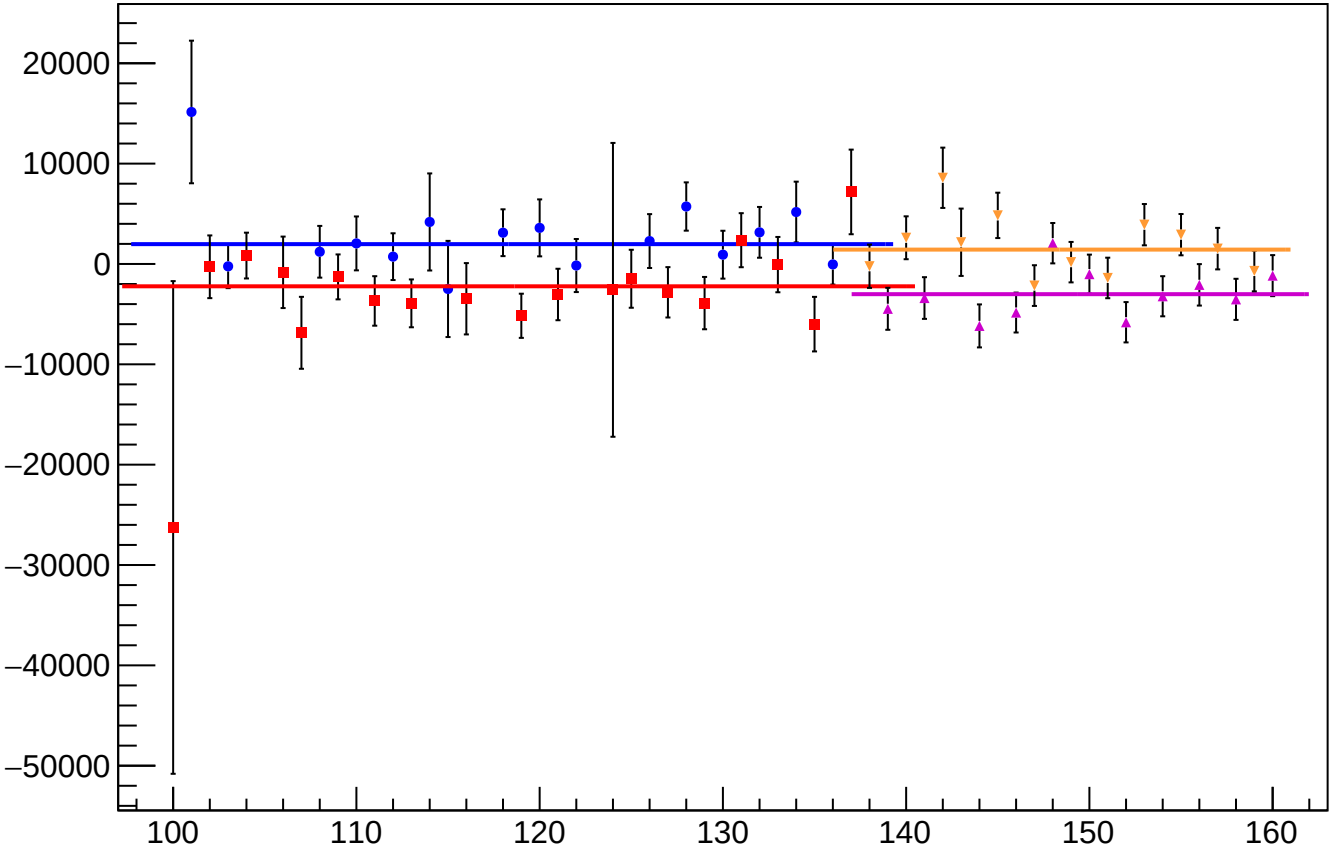
Left In: 0.000+/-0.000 χ^2/NDF:1037106.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 5125819.6/27

All: 0.000+/-0.000 χ^2/NDF: 12683355.8/57

- sign 0.000+/-0.000 χ^2/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: 1431.251+/-630.956 χ^2/NDF:17.4/11

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

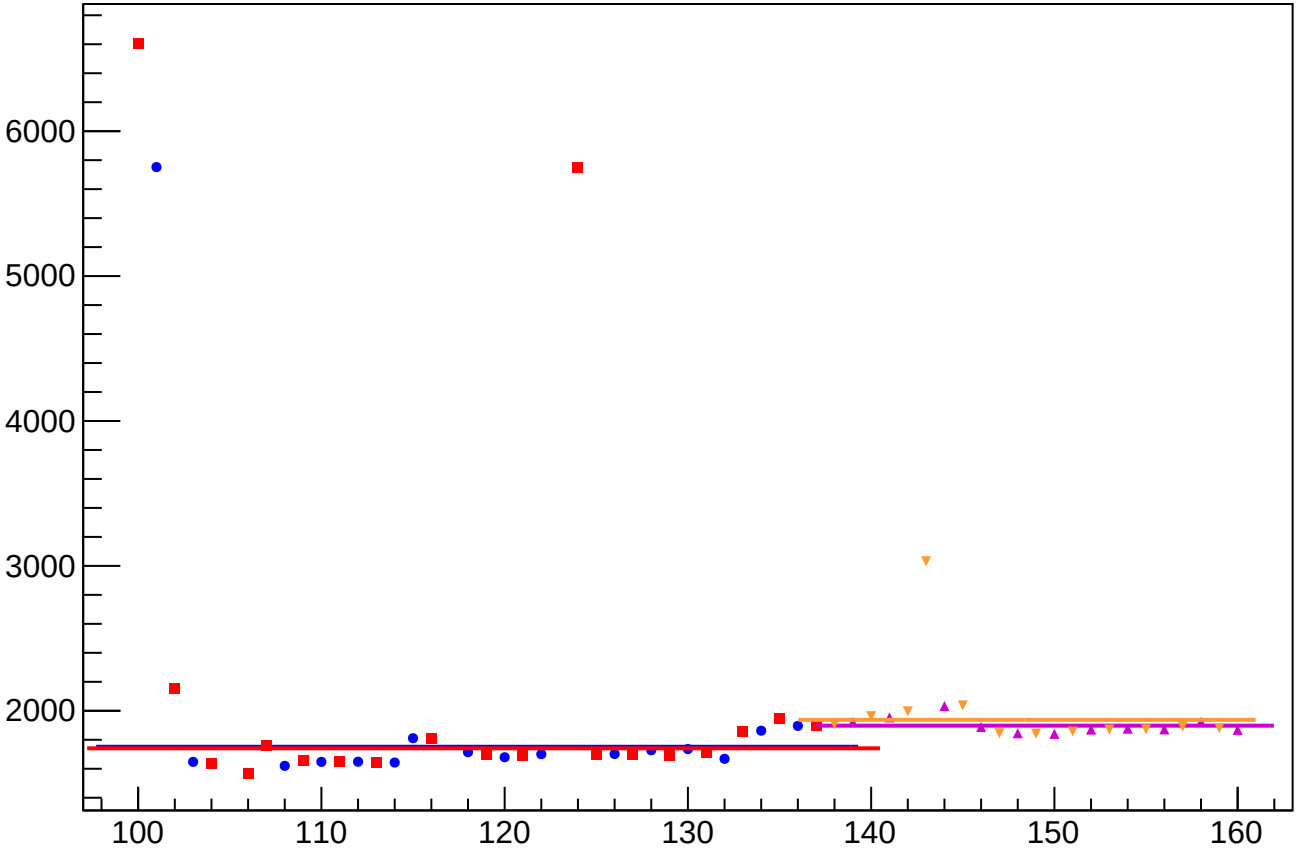
Left In: -3009.861+/-613.934 χ^2/NDF:14.0/10

+ sign 1688.362+/-458.596 χ^2/NDF: 29.9/27

All: -526.855+/-320.590 χ^2/NDF: 109.3/57

- 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: 1937.590+/-0.446 χ^2/NDF:236446.4/11

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

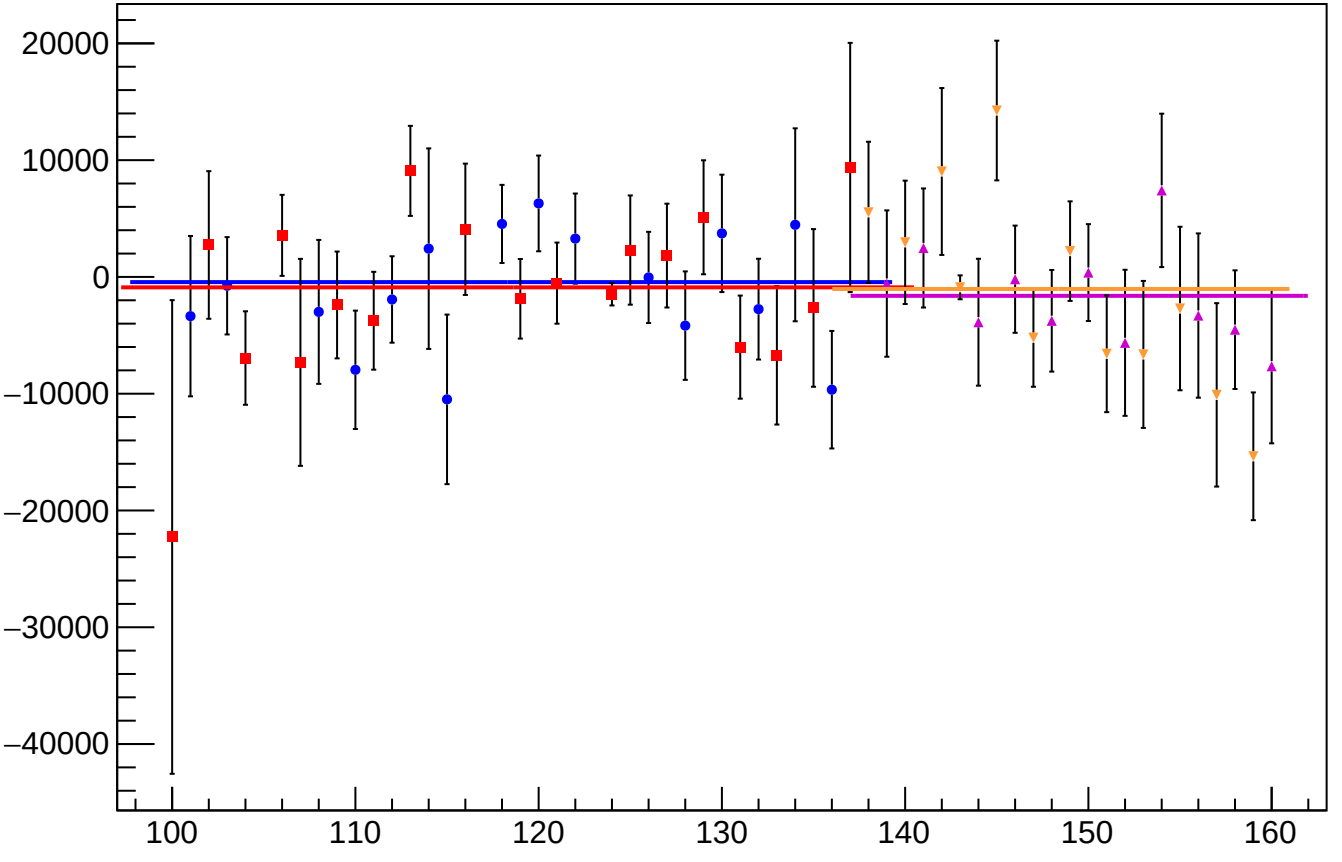
Left In: 1897.351+/-0.434 χ^2/NDF:14482.1/10

+ sign 1849.857+/-0.324 χ^2/NDF: 989069.6/27

All: 1836.506+/-0.226 χ^2/NDF: 1372484.5/57

- sign 1823.833+/-0.316 χ^2/NDF: 380110.5/29

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -1029.277+/-872.327 χ^2/NDF:22.1/11

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

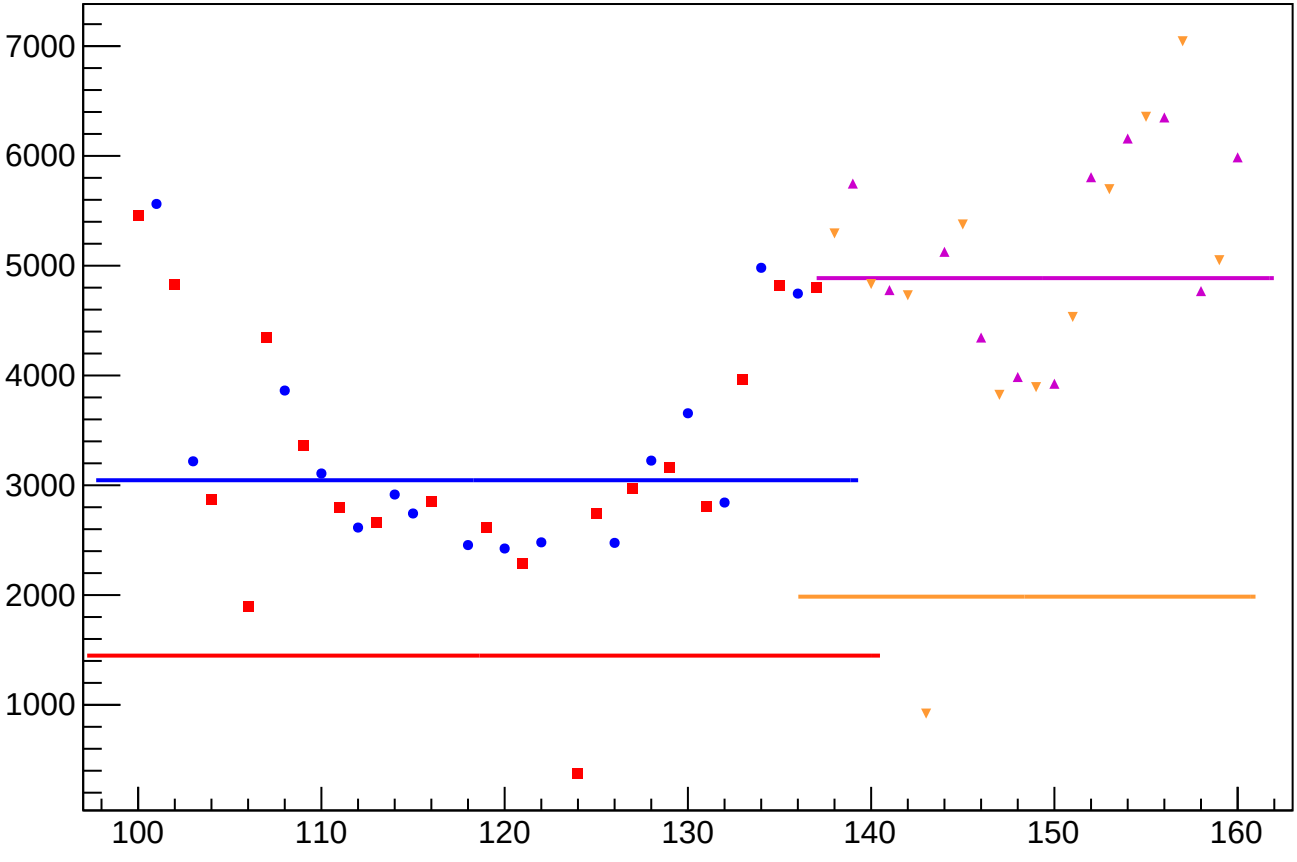
Left In: -1618.257+/-1607.918 χ^2/NDF:4.9/10

+ sign -821.286+/-700.289 χ^2/NDF: 38.2/27

All: -923.717+/-480.872 χ^2/NDF: 63.4/57

- 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: 1985.479+/-0.617 χ^2/NDF:8521411.9/11

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

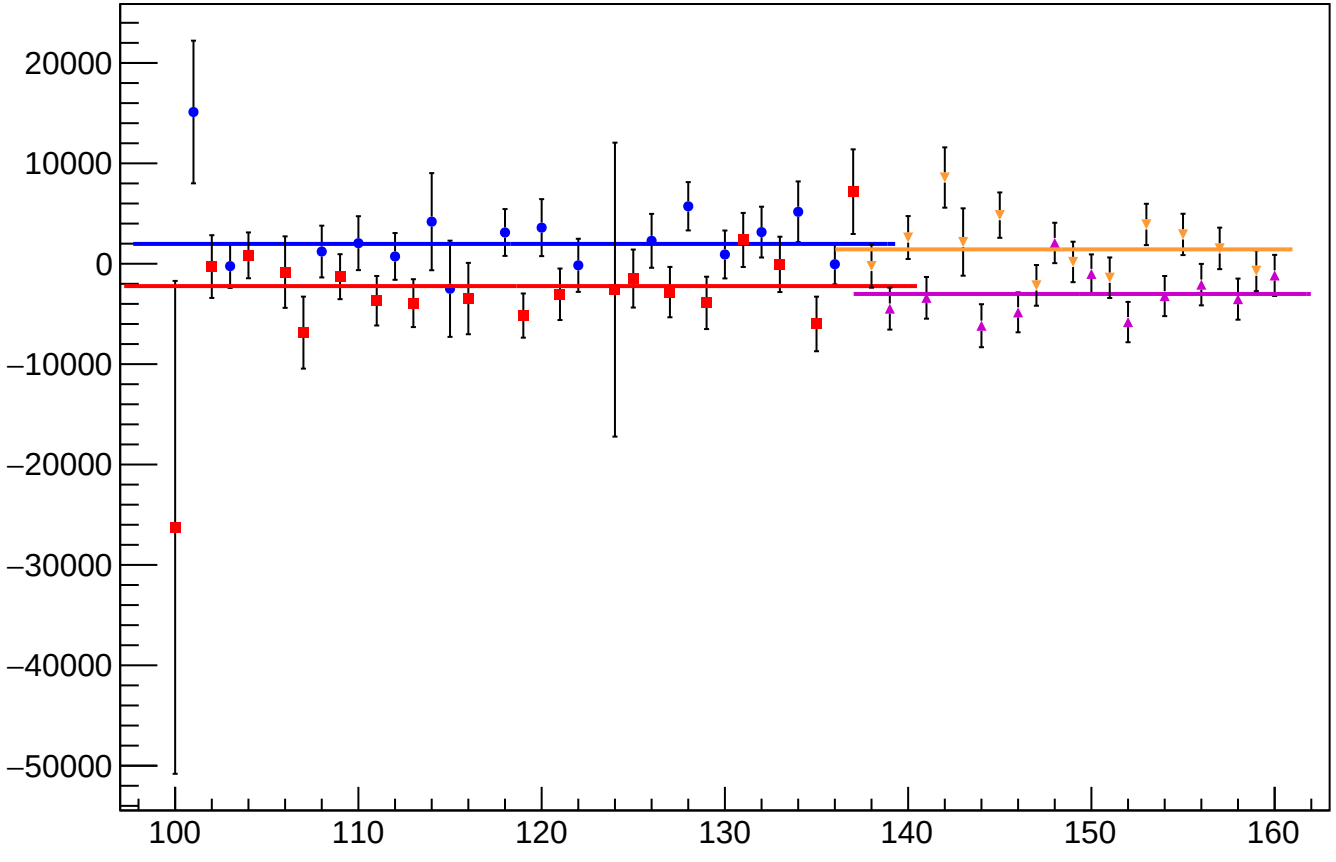
Left In: 4886.736+/-1.137 χ^2/NDF:524890.9/10

+ sign 2362.506+/-0.495 χ^2/NDF: 10479620.6/27

All: 2186.999+/-0.340 χ^2/NDF: 25626166.6/5

- 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: 1431.315+/-630.956 χ^2/NDF:17.4/11

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

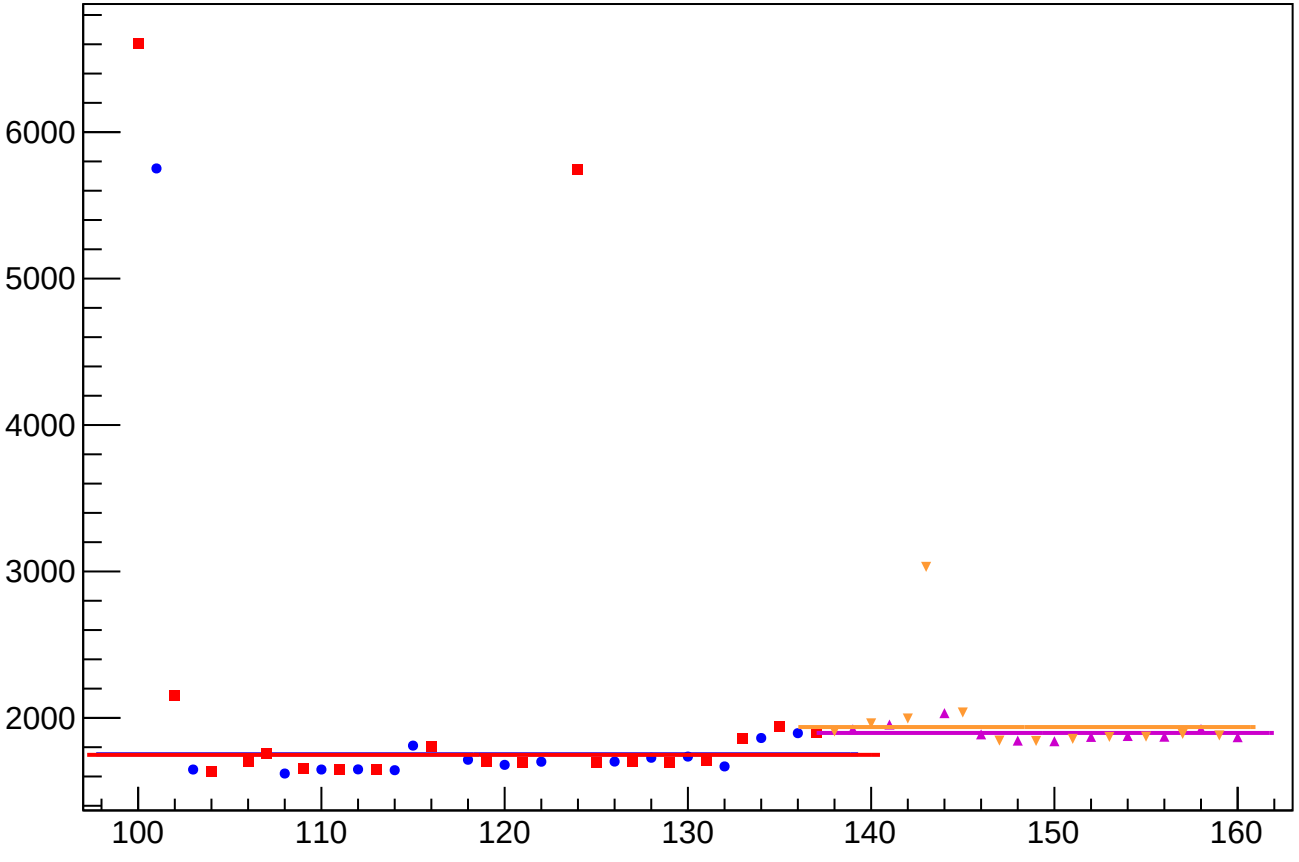
Left In: -3009.921+/-613.934 χ^2/NDF:14.0/10

+ sign 1688.229+/-458.596 χ^2/NDF: 29.9/27

All: -526.960+/-320.590 χ^2/NDF: 109.3/57

- 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: 1937.590+/-0.446 χ^2/NDF:236446.4/11

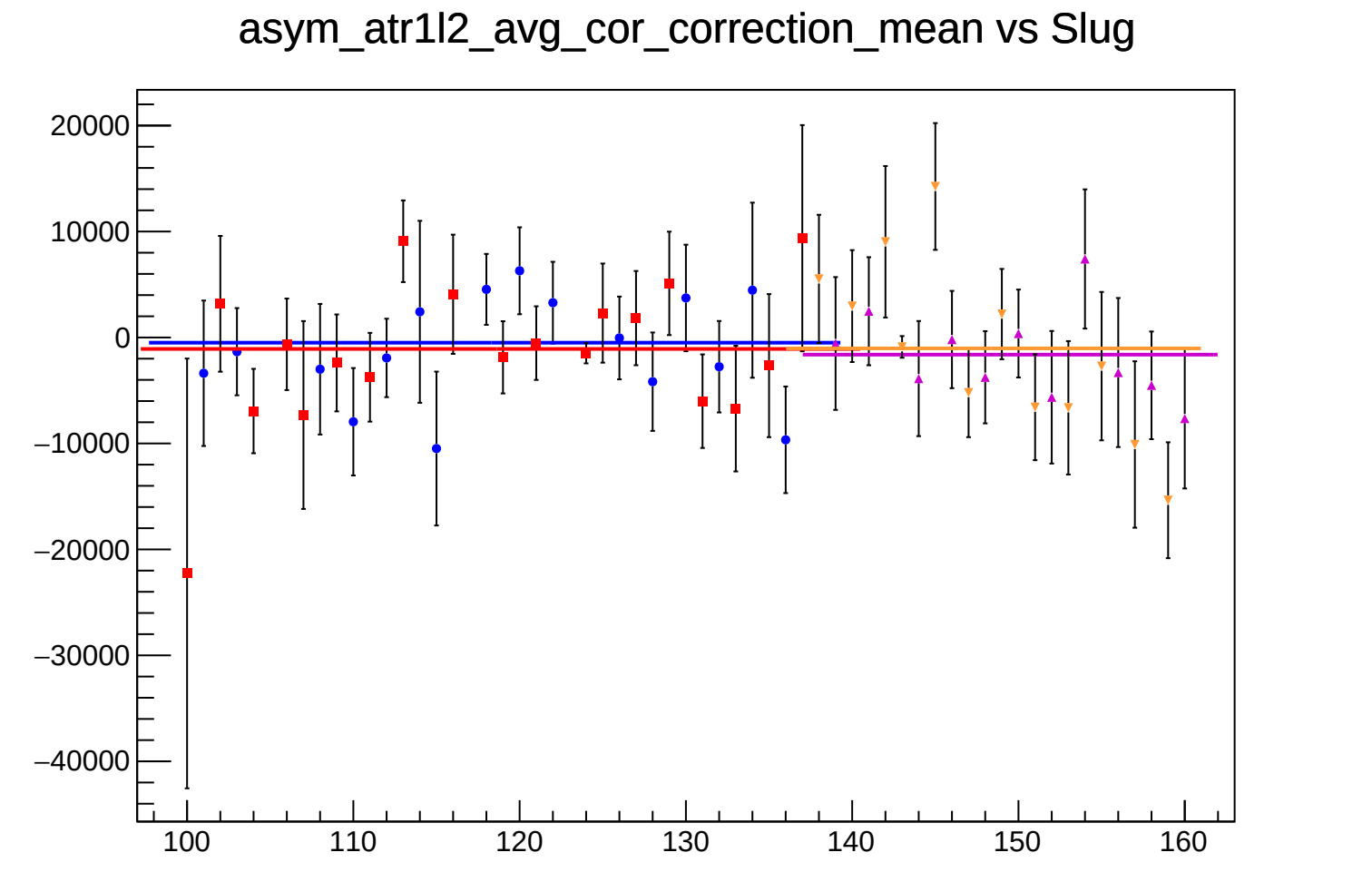
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1897.351+/-0.434 χ^2/NDF:14482.1/10

+ sign 1849.857+/-0.324 χ^2/NDF: 989070.1/27

All: 1838.289+/-0.226 χ^2/NDF: 1359572.5/57

- 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: -1029.080+/-872.301 χ^2/NDF:22.1/11

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

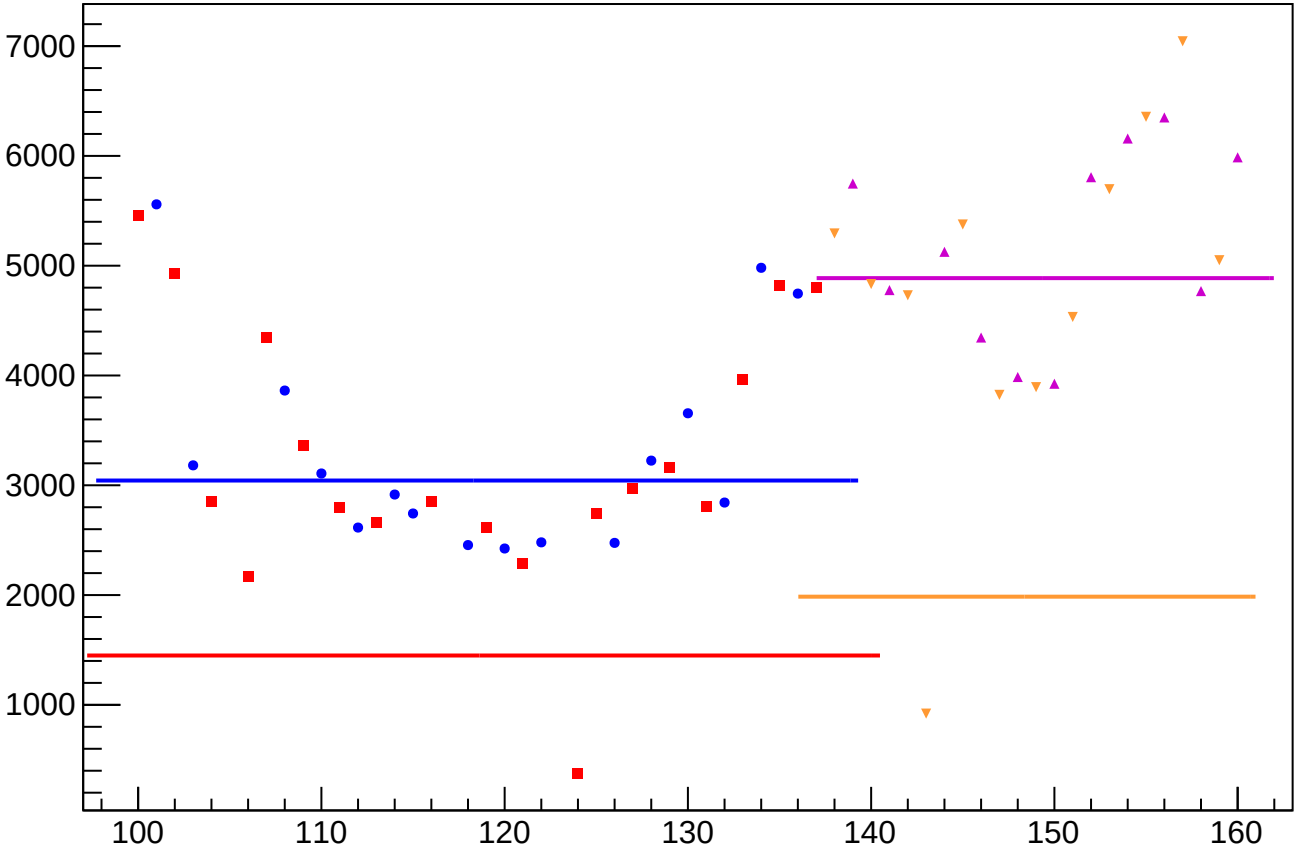
Left In: -1618.320+/-1607.918 χ^2/NDF:4.9/10

+ sign -838.207+/-700.019 χ^2/NDF: 38.2/27

All: -1014.020+/-482.437 χ^2/NDF: 61.8/57

- 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: 1985.388+/-0.617 χ^2/NDF:8521737.4/11

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

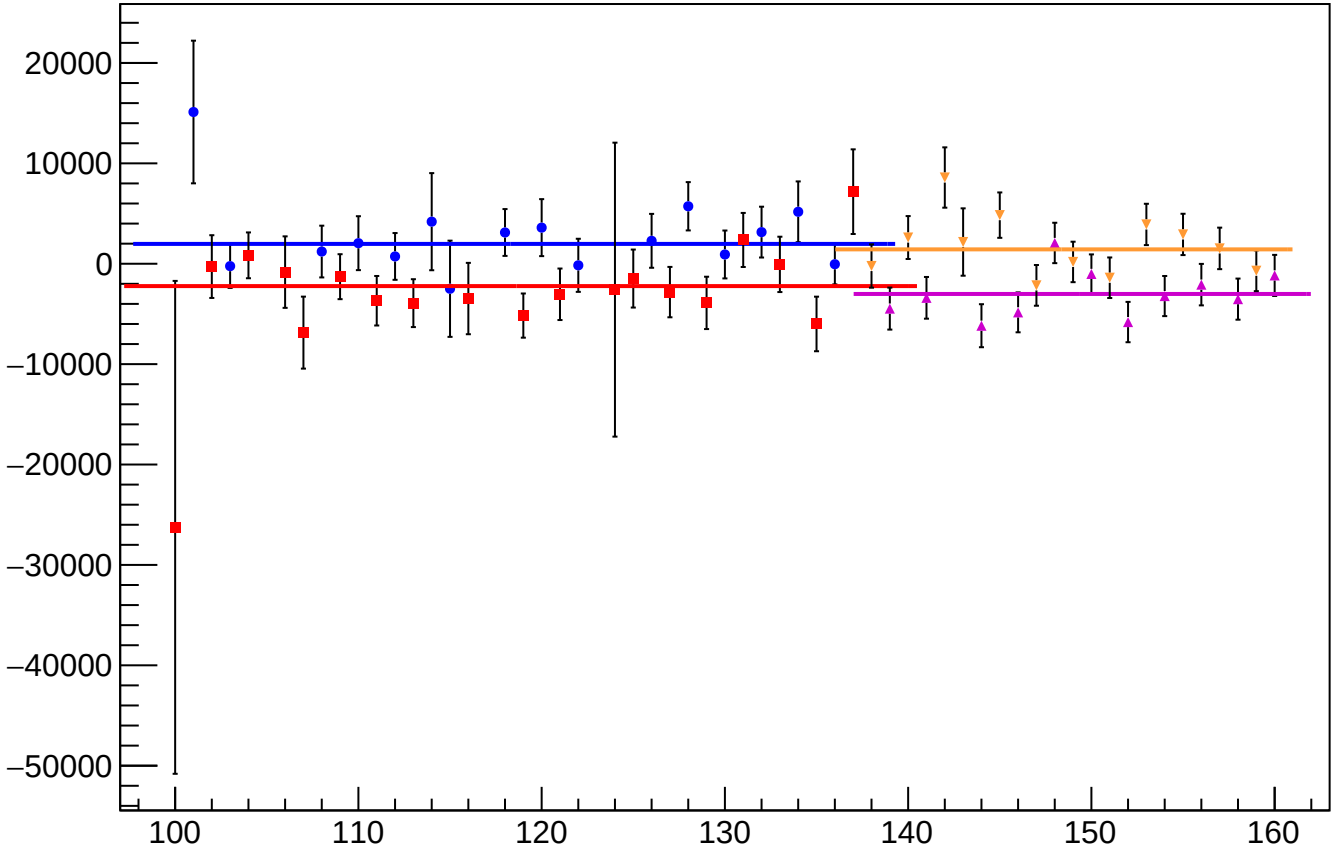
Left In: 4886.735+/-1.137 χ^2/NDF:524892.6/10

+ sign 2361.991+/-0.495 χ^2/NDF: 10474571.5/27

All: 2192.338+/-0.341 χ^2/NDF: 25621257.9/5

- 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: 1431.315+/-630.956 χ^2/NDF:17.4/11

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

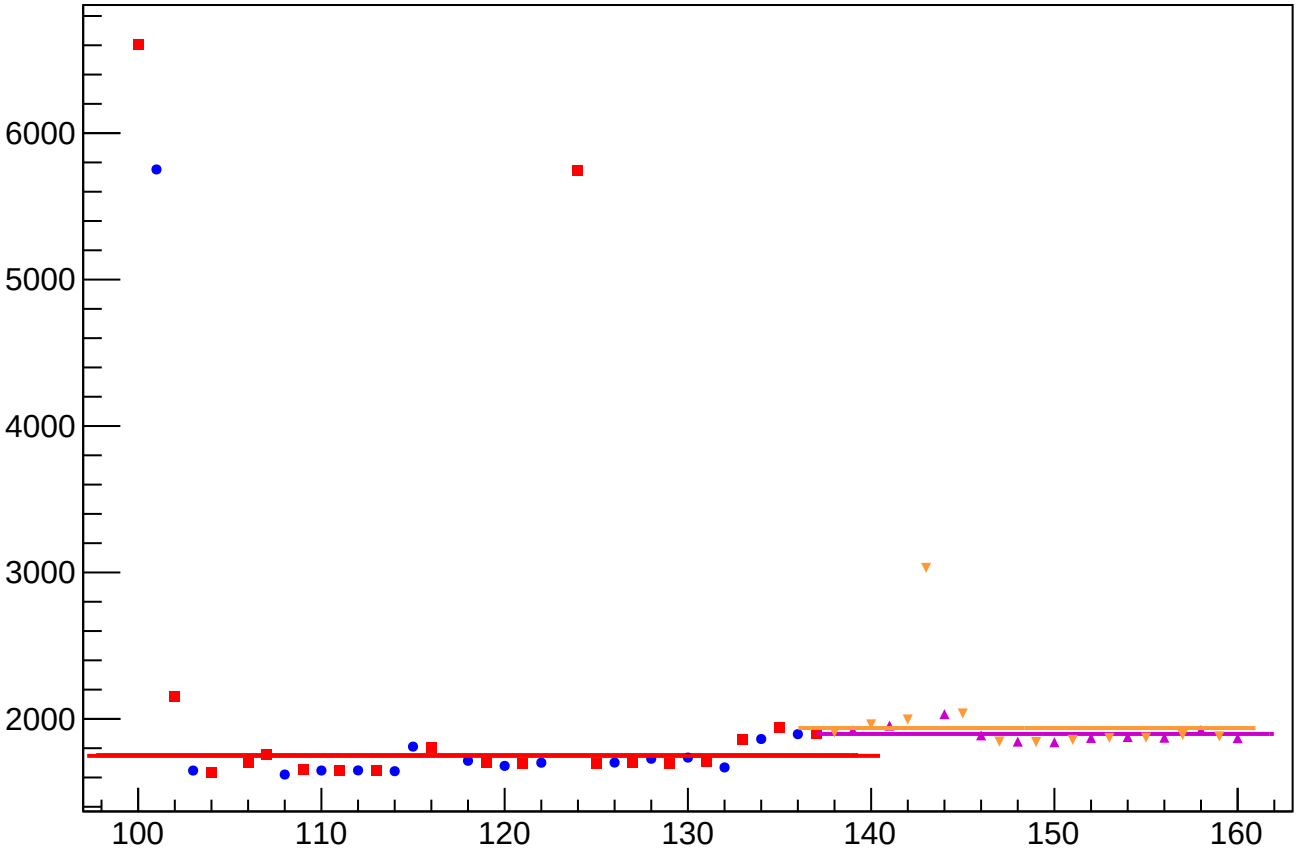
Left In: -3009.921+/-613.934 χ^2/NDF:14.0/10

+ sign 1688.229+/-458.596 χ^2/NDF: 29.9/27

All: -526.960+/-320.590 χ^2/NDF: 109.3/57

- 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: 1937.590+/-0.446 χ^2/NDF:236446.4/11

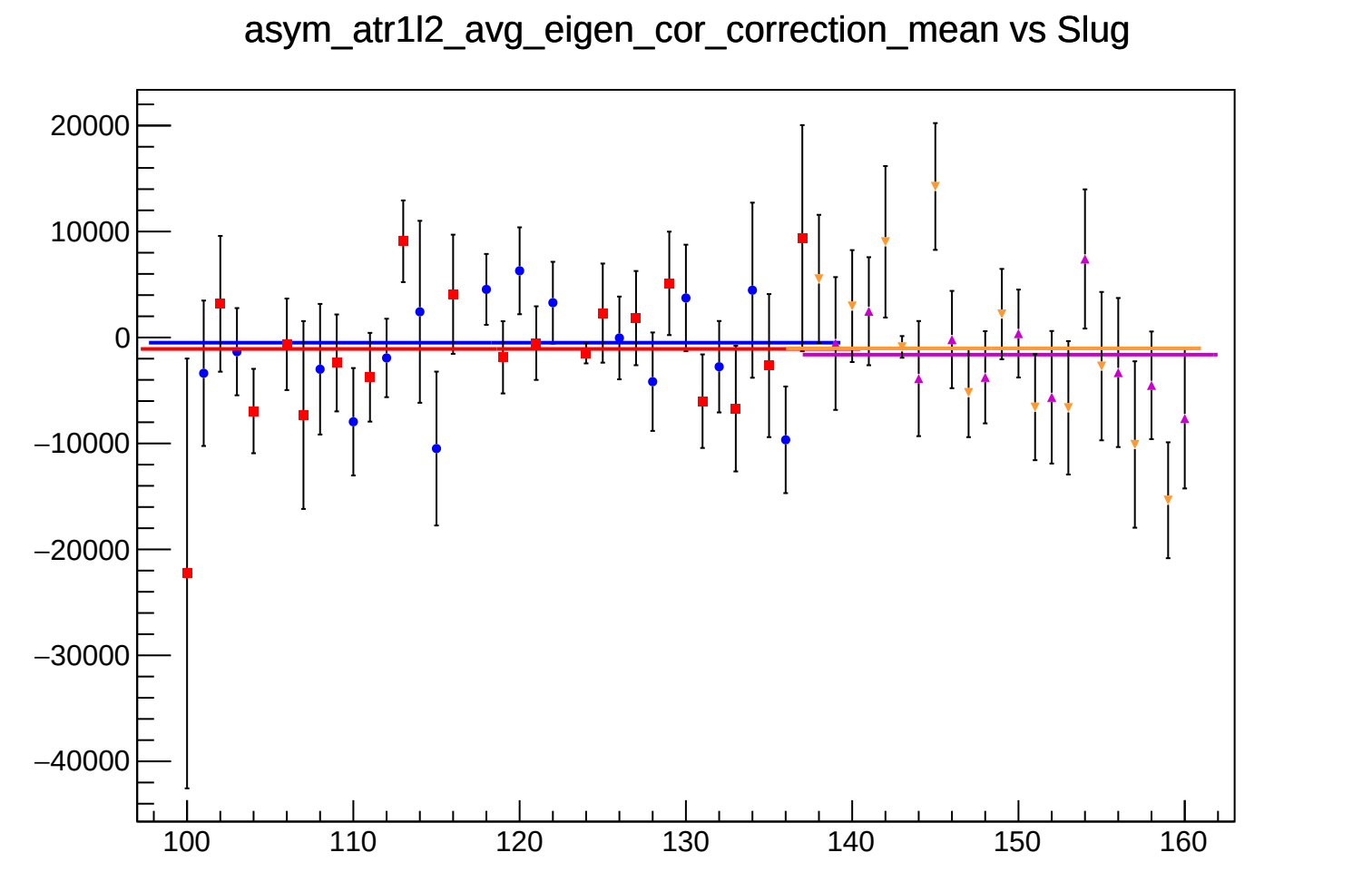
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1897.351+/-0.434 χ^2/NDF:14482.1/10

+ sign 1849.857+/-0.324 χ^2/NDF: 989070.1/27

All: 1838.289+/-0.226 χ^2/NDF: 1359572.5/57

- 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: -1029.080+/-872.301 χ^2/NDF:22.1/11

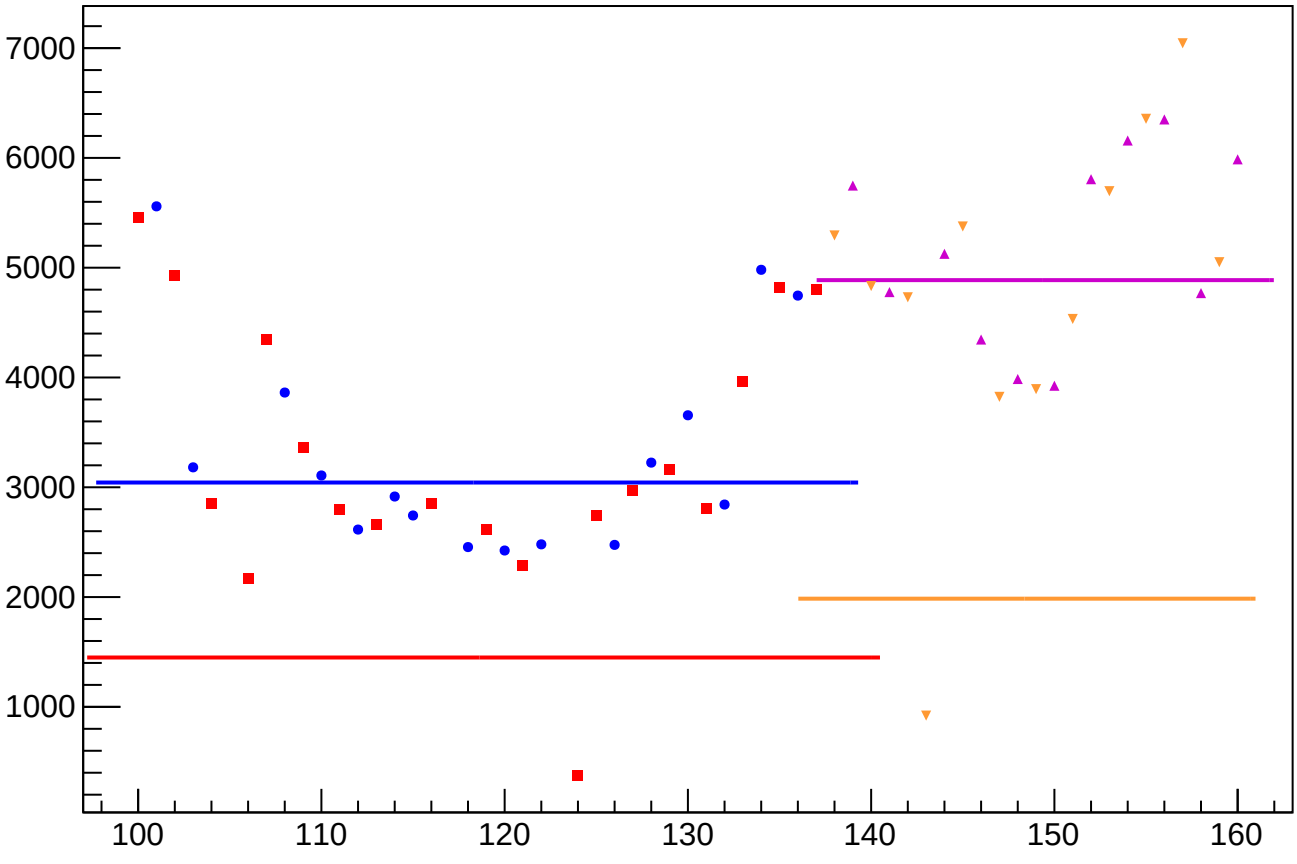
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -1618.320+/-1607.918 χ^2/NDF:4.9/10

+ sign -838.207+/-700.019 χ^2/NDF: 38.2/27

All: -1014.020+/-482.437 χ^2/NDF: 61.8/57

- sign -1173.066+/-665.803 χ^2/NDF: 23.5/29



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1985.388+/-0.617 χ^2/NDF:8521737.4/11

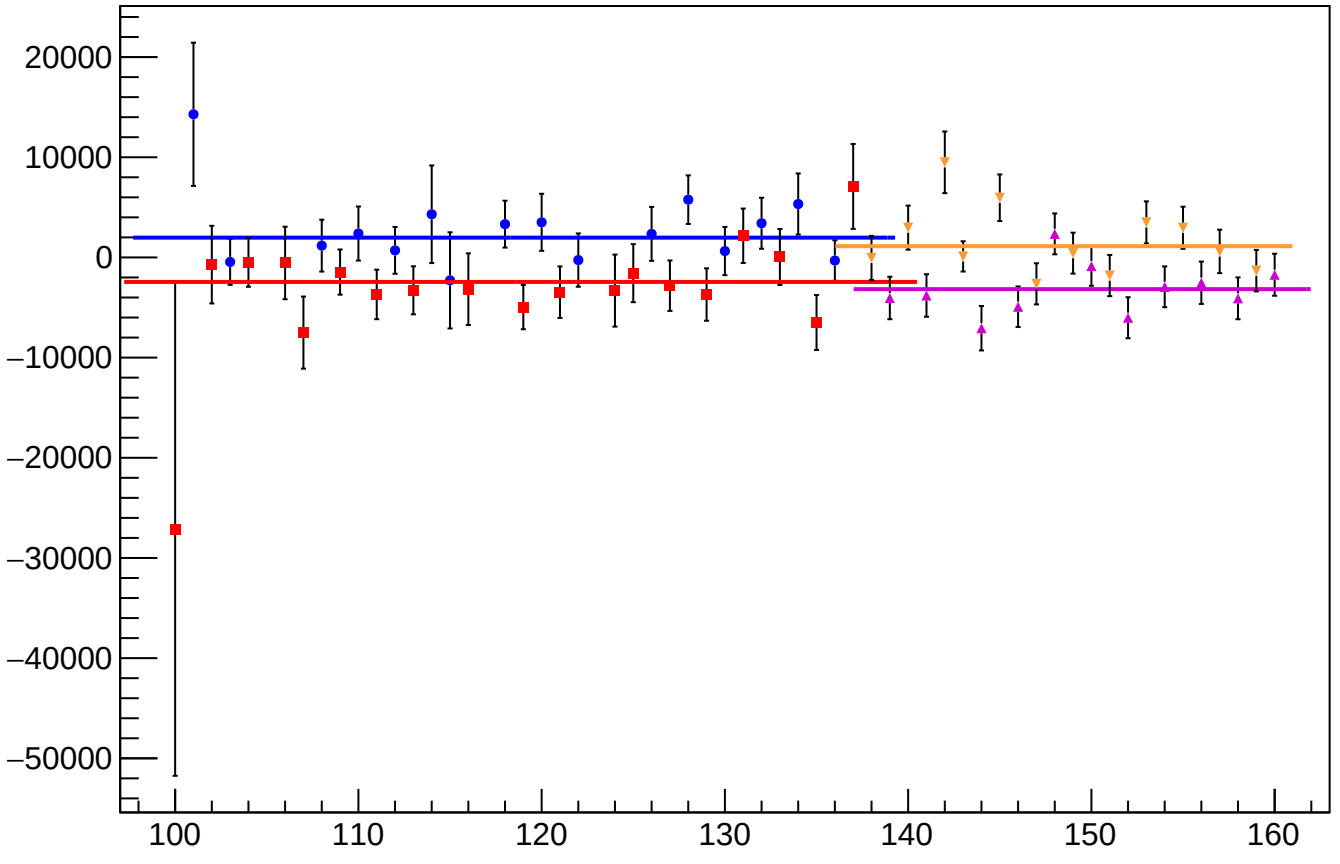
Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4886.735+/-1.137 χ^2/NDF:524892.6/10

+ sign 2361.991+/-0.495 χ^2/NDF: 10474571.5/27

All: 2192.338+/-0.341 χ^2/NDF: 25621257.9/5

- 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: 1121.217+/-602.450 χ^2/NDF:22.2/11

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

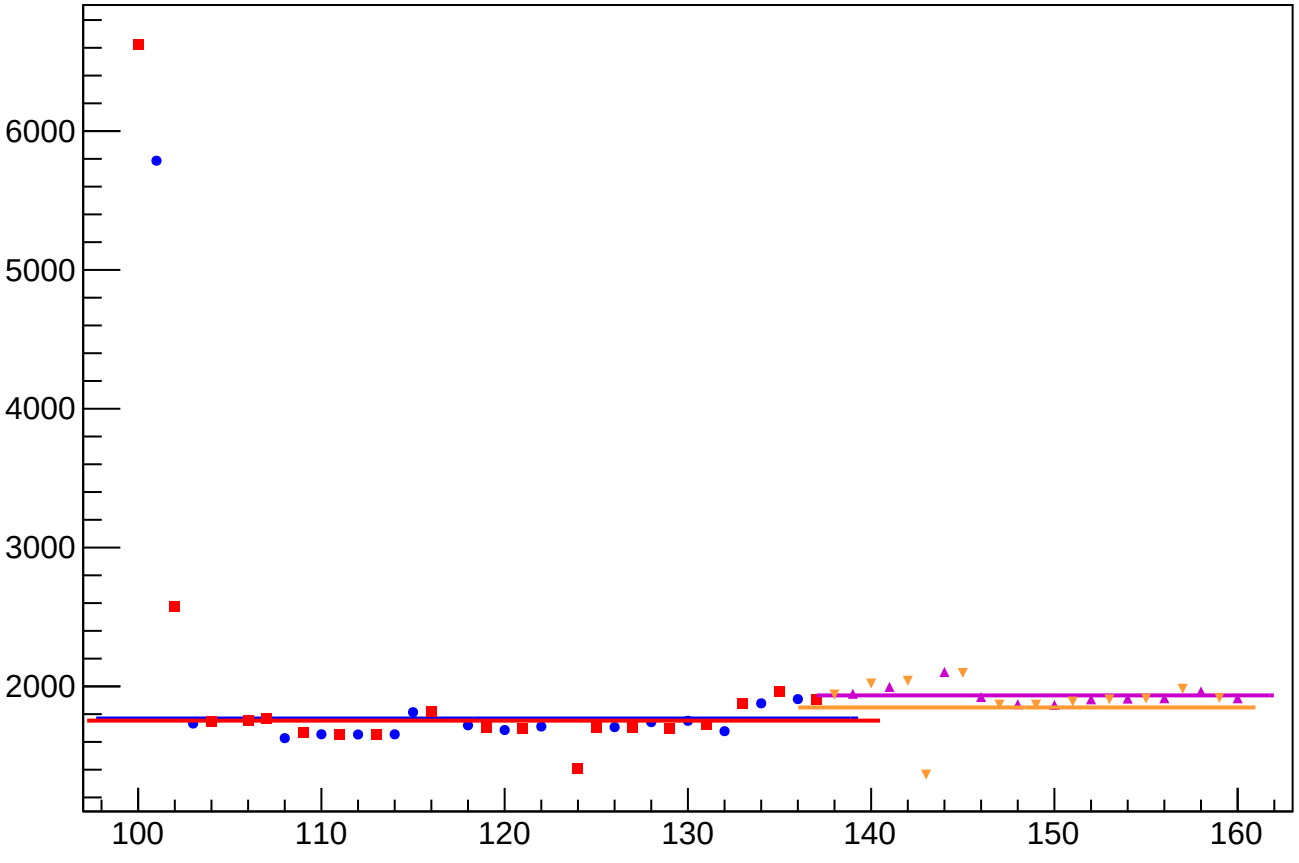
Left In: -3166.386+/-626.258 χ^2/NDF:15.5/10

+ sign 1500.704+/-449.196 χ^2/NDF: 35.5/27

All: -640.349+/-319.152 χ^2/NDF: 115.0/57

- 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: 1848.331+/-0.426 χ^2/NDF:266258.8/11

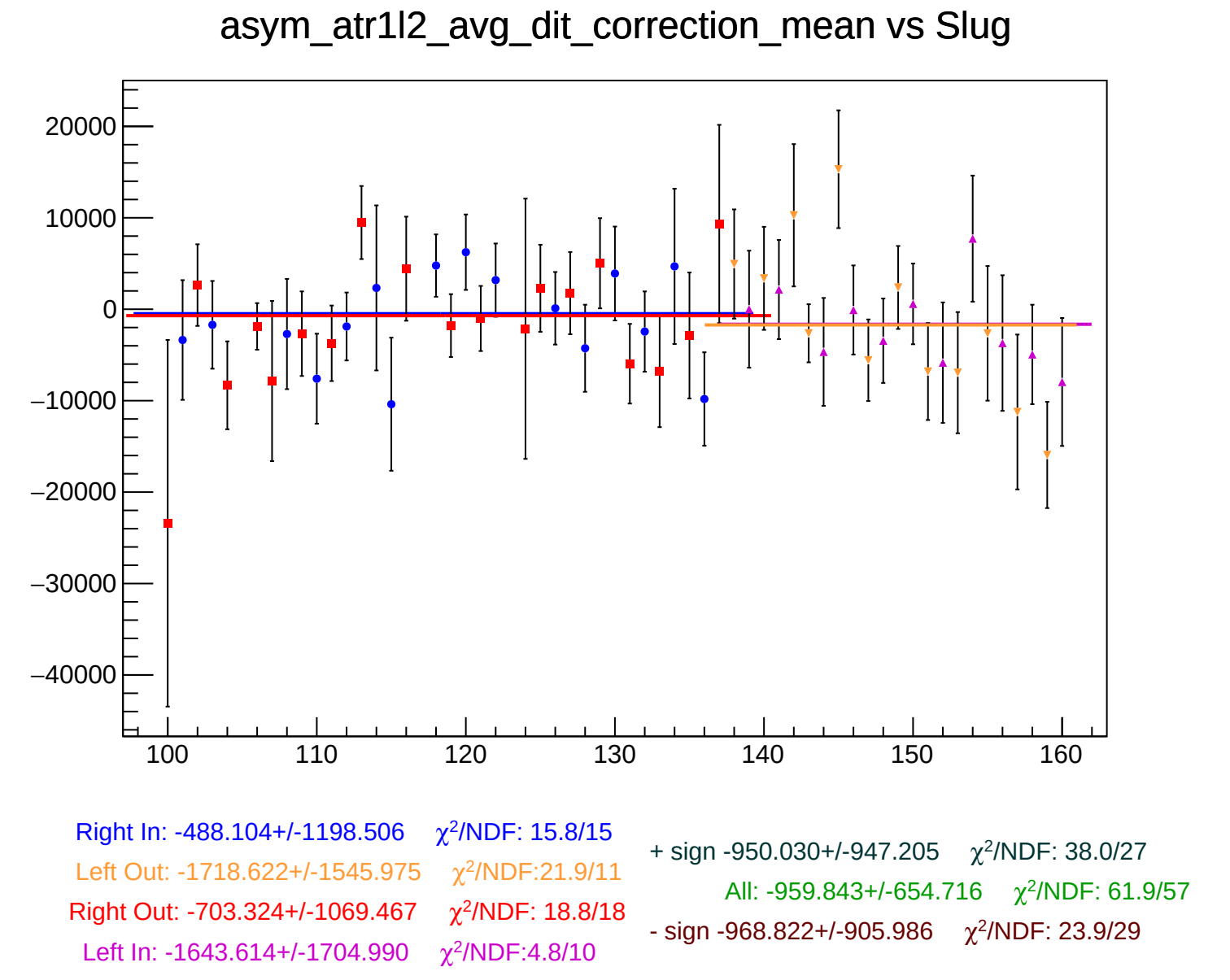
Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1935.135+/-0.443 χ^2/NDF:19131.4/10

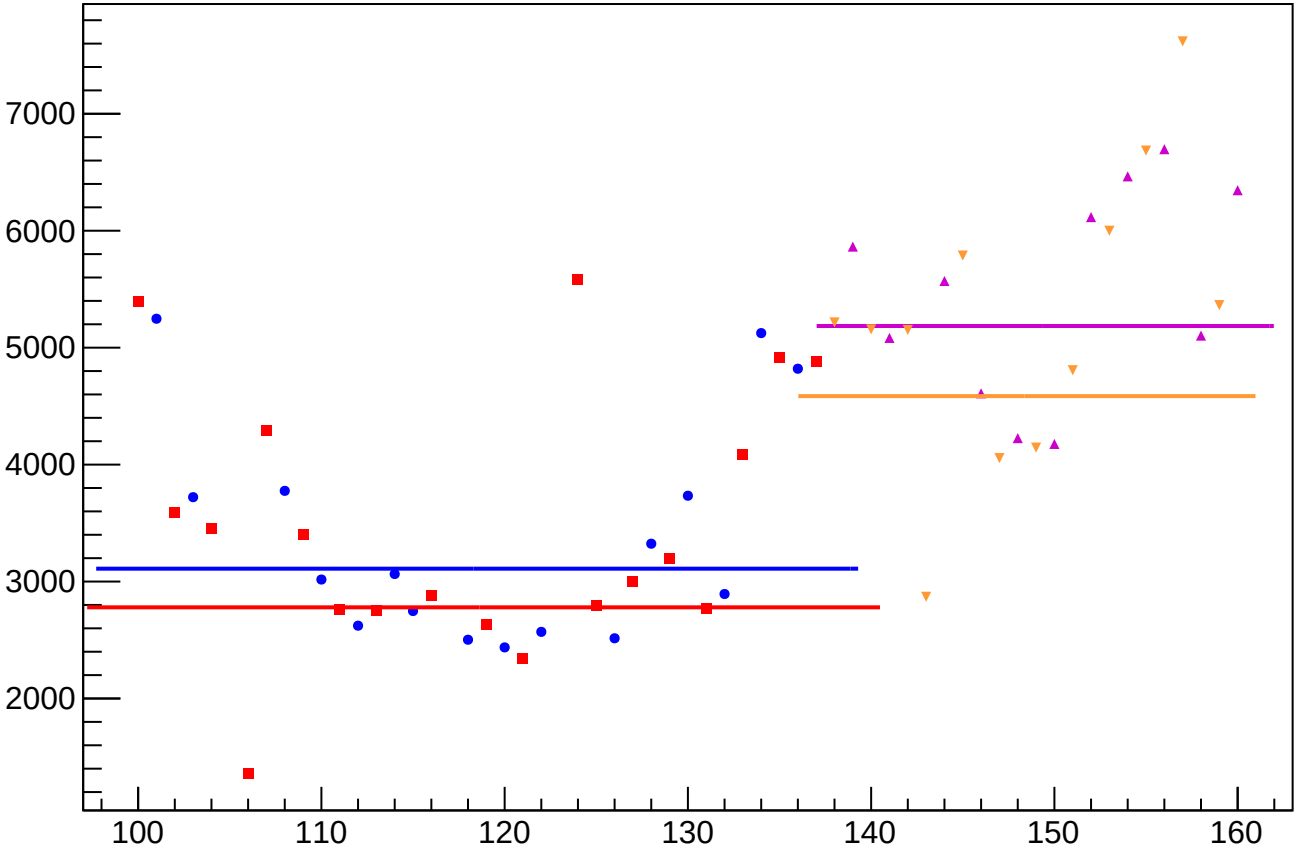
+ sign 1812.872+/-0.318 χ^2/NDF: 949228.5/27

All: 1830.520+/-0.226 χ^2/NDF: 1273780.4/57

- sign 1848.464+/-0.320 χ^2/NDF: 318326.4/29


asym_atr1l2_avg_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: -488.104+/-1198.506 χ²/NDF: 15.8/15
Left Out: -1718.622+/-1545.975 χ²/NDF:21.9/11
Right Out: -703.324+/-1069.467 χ²/NDF: 18.8/18
Left In: -1643.614+/-1704.990 χ²/NDF:4.8/10
+ sign -950.030+/-947.205 χ²/NDF: 38.0/27
All: -959.843+/-654.716 χ²/NDF: 61.9/57
- sign -968.822+/-905.986 χ²/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: 4585.783+/-1.093 χ^2/NDF:1303397.8/11

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

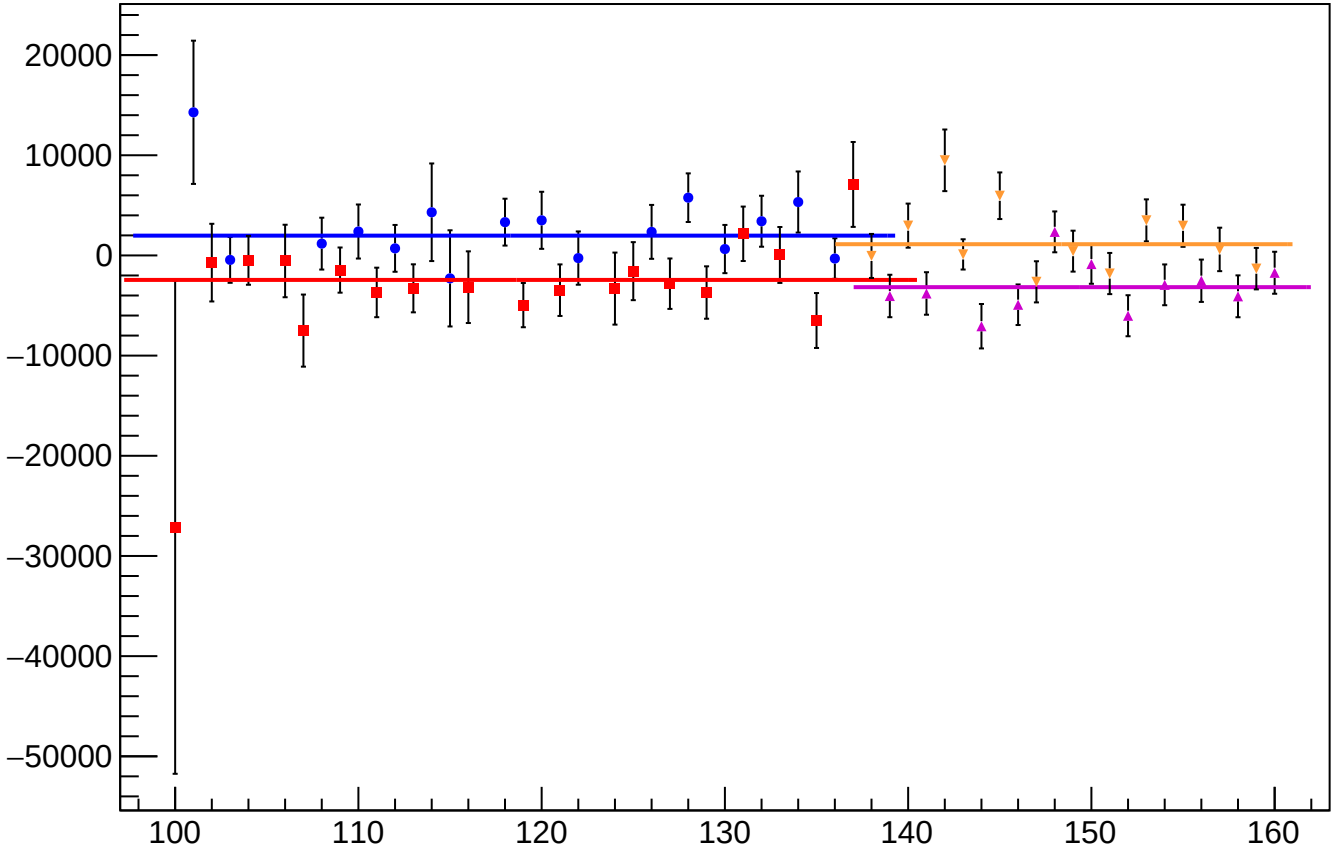
Left In: 5185.209+/-1.206 χ^2/NDF:497775.5/10

+ sign 3664.078+/-0.670 χ^2/NDF: 3324813.2/27

All: 3556.909+/-0.463 χ^2/NDF: 8076909.7/57

- 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: 1121.215+/-602.450 χ^2/NDF:22.2/11

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

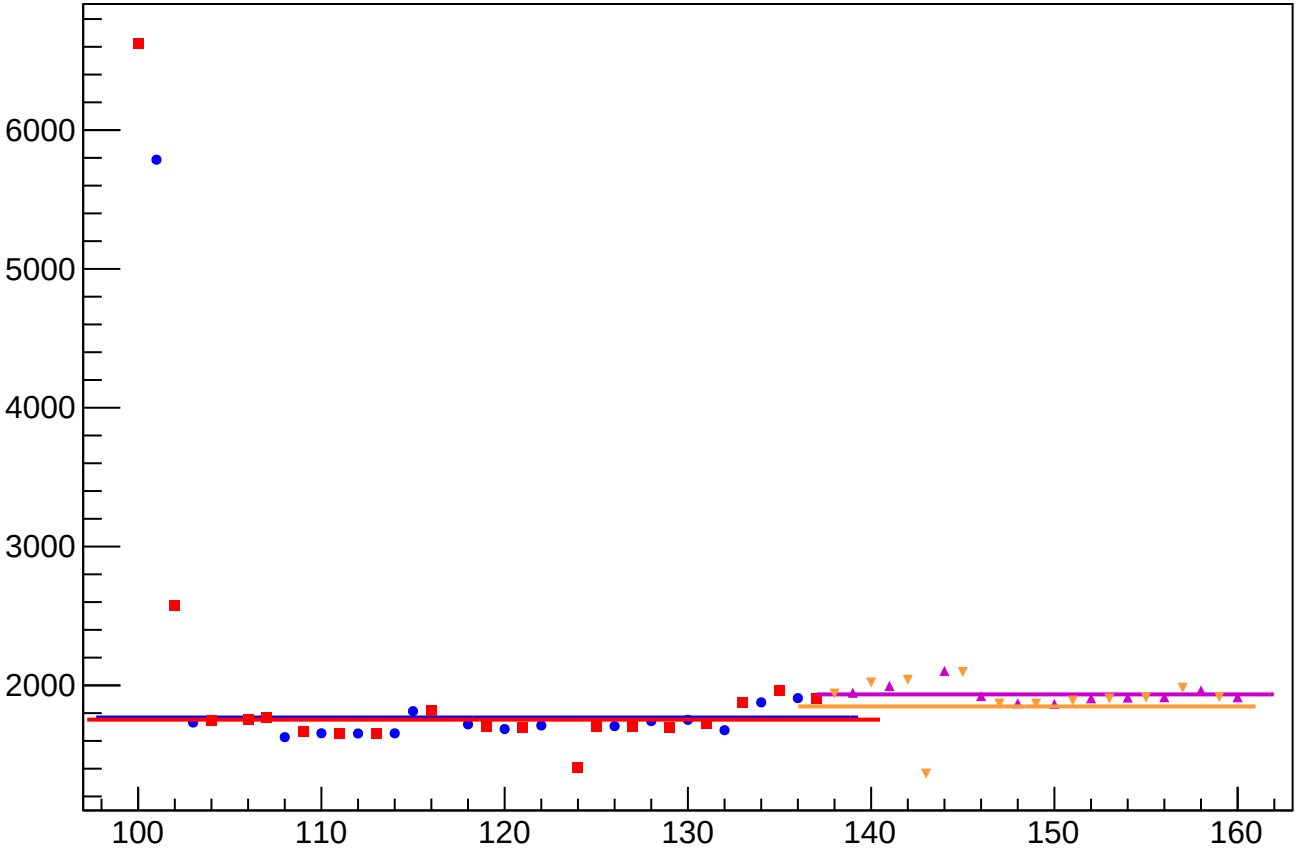
Left In: -3166.386+/-626.259 χ^2/NDF:15.5/10

+ sign 1500.703+/-449.196 χ^2/NDF: 35.5/27

All: -640.349+/-319.152 χ^2/NDF: 115.0/57

- 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: 1848.332+/-0.426 χ^2/NDF:266260.2/11

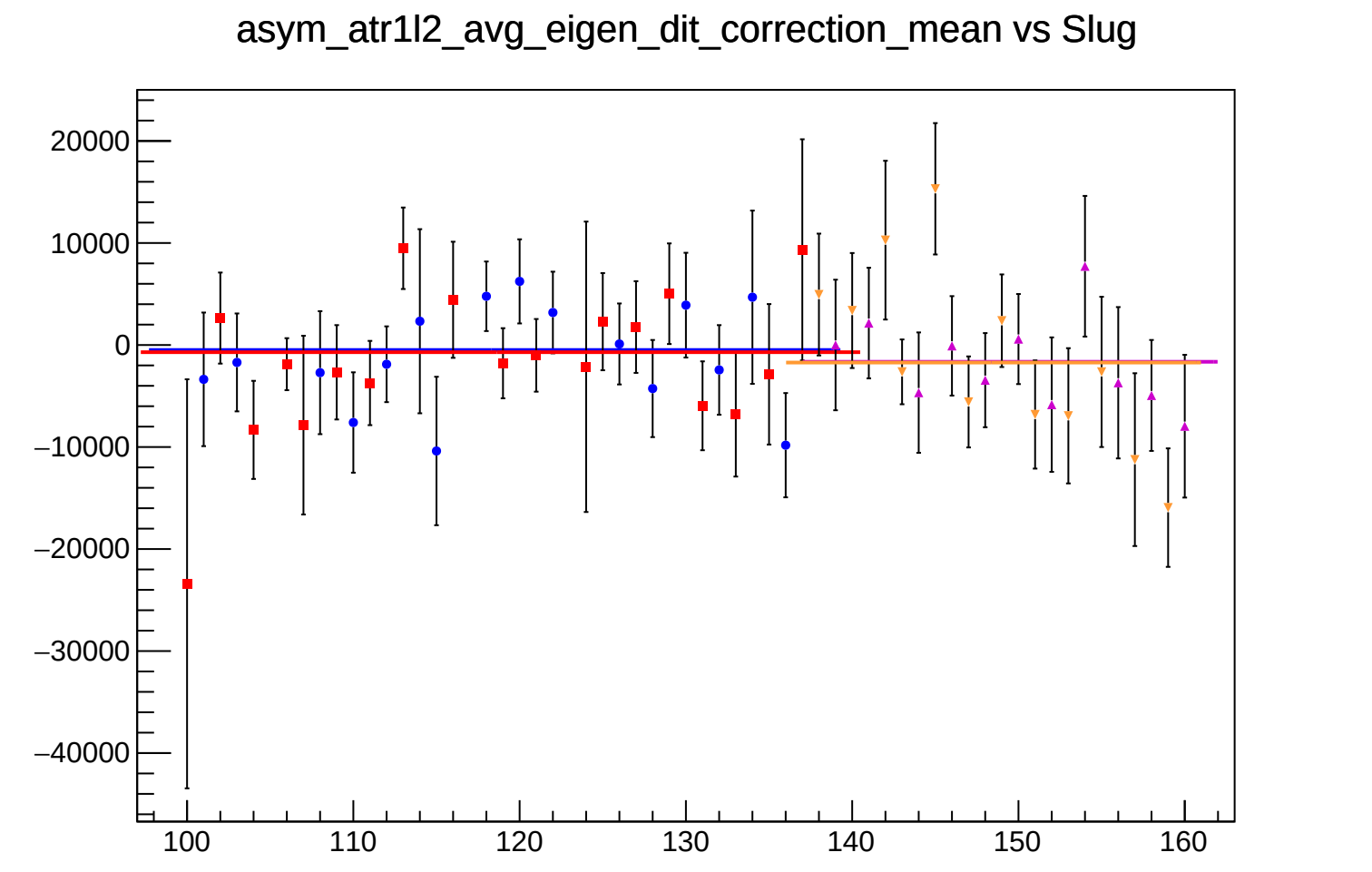
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1935.136+/-0.443 χ^2/NDF:19131.7/10

+ sign 1812.873+/-0.318 χ^2/NDF: 949230.2/27

All: 1830.520+/-0.226 χ^2/NDF: 1273783.4/57

- 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: -1718.629+/-1545.976 χ^2/NDF:21.9/11

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

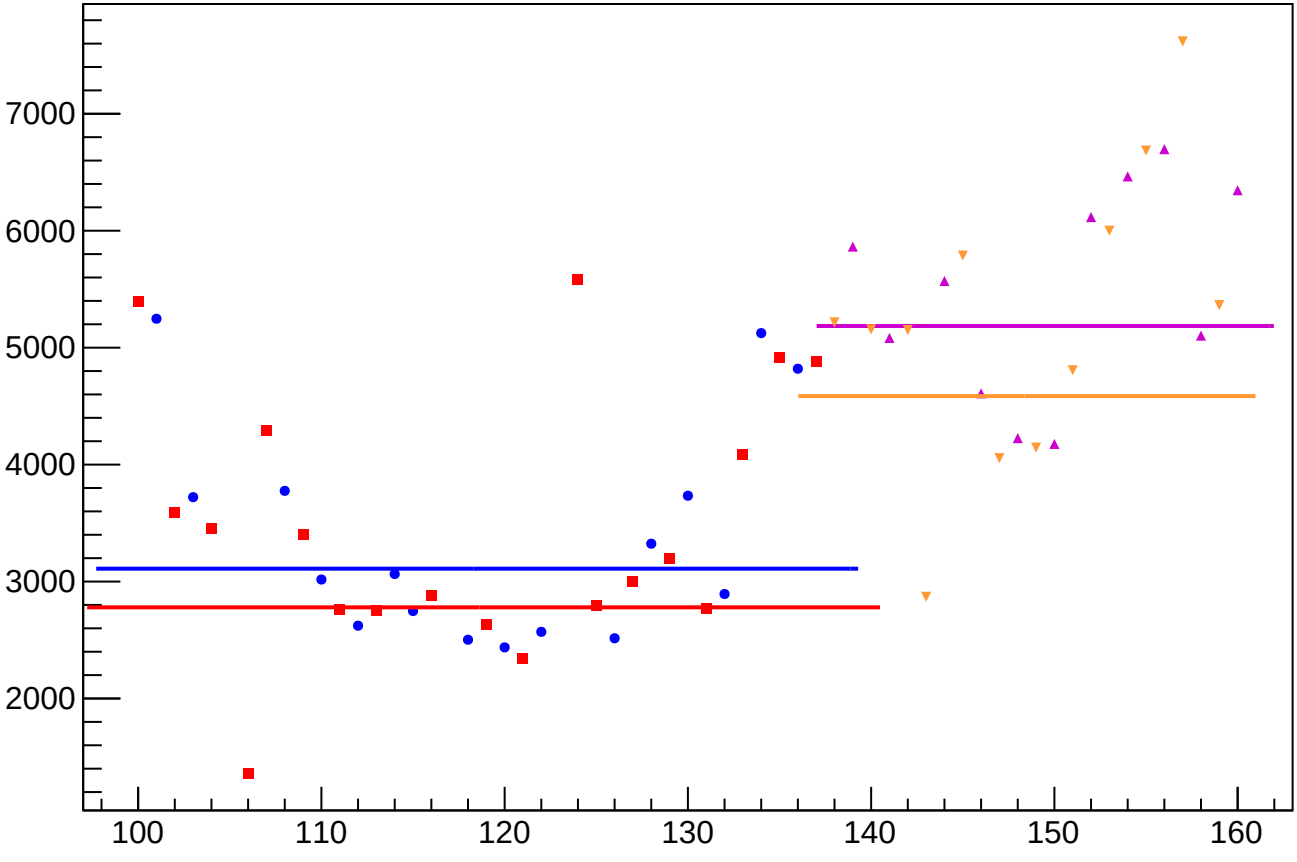
Left In: -1643.615+/-1704.992 χ^2/NDF:4.8/10

+ sign -950.026+/-947.204 χ^2/NDF: 38.0/27

All: -959.841+/-654.715 χ^2/NDF: 61.9/57

- 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: 4585.787+/-1.093 χ^2/NDF:1303404.4/11

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

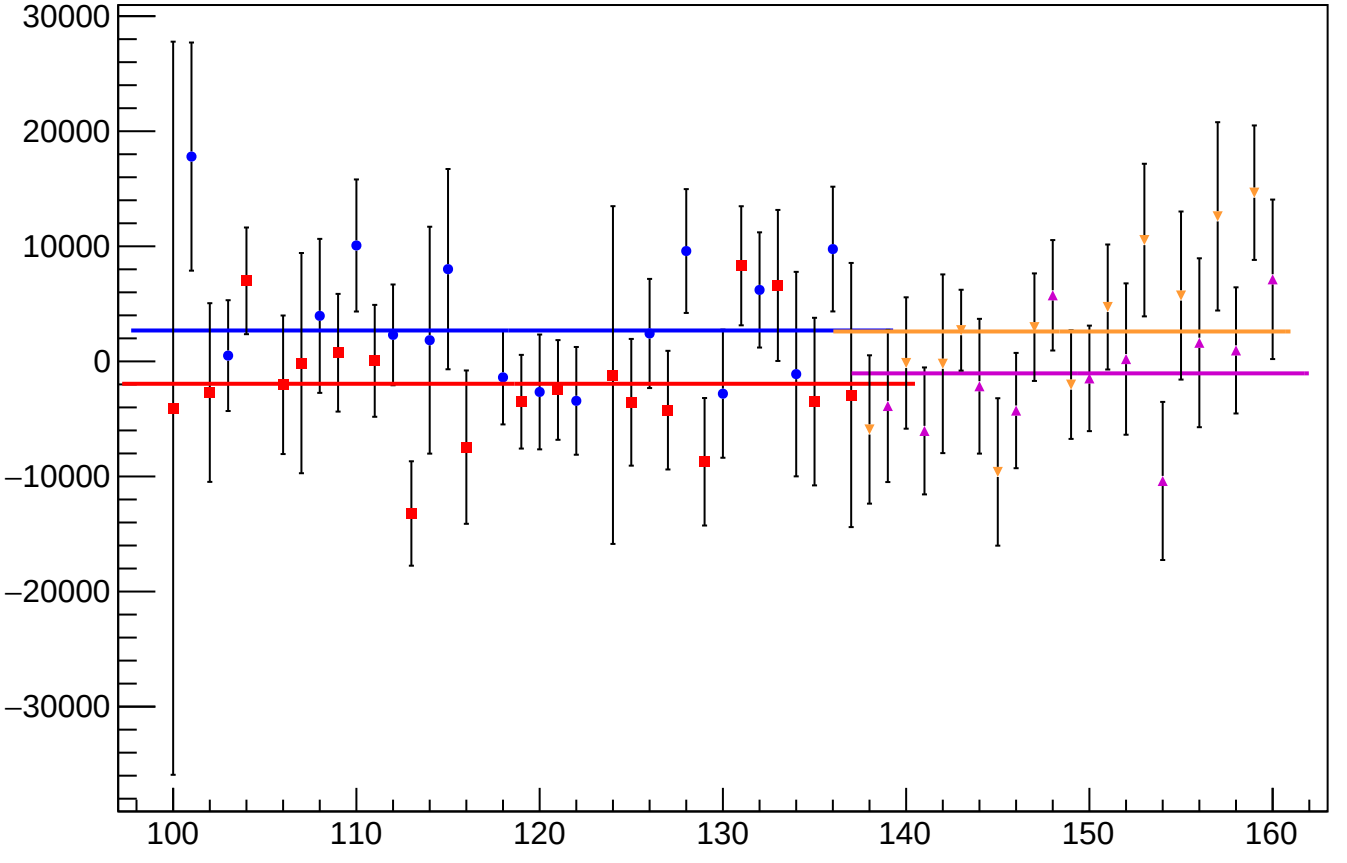
Left In: 5185.214+/-1.206 χ^2/NDF:497778.7/10

+ sign 3664.070+/-0.670 χ^2/NDF: 3324853.8/27

All: 3556.898+/-0.463 χ^2/NDF: 8077020.1/57

- 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: 2598.662+/-1607.154 χ^2/NDF:14.2/11

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

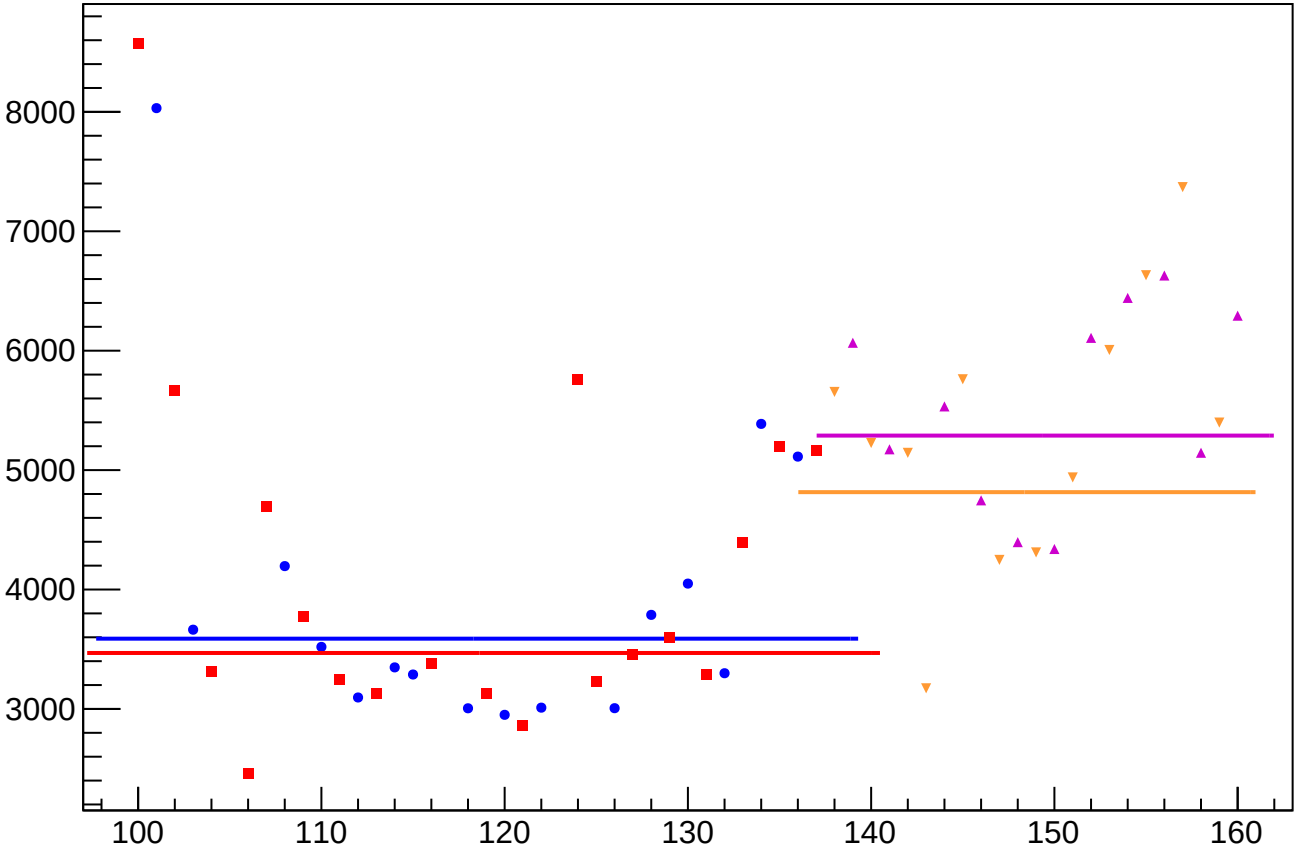
Left In: -1040.910+/-1733.567 χ^2/NDF:7.0/10

+ sign 2648.600+/-1046.948 χ^2/NDF: 27.7/27

All: 539.311+/-743.732 χ^2/NDF: 61.8/57

- 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: 4815.479+/-1.136 χ^2/NDF:985493.3/11

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

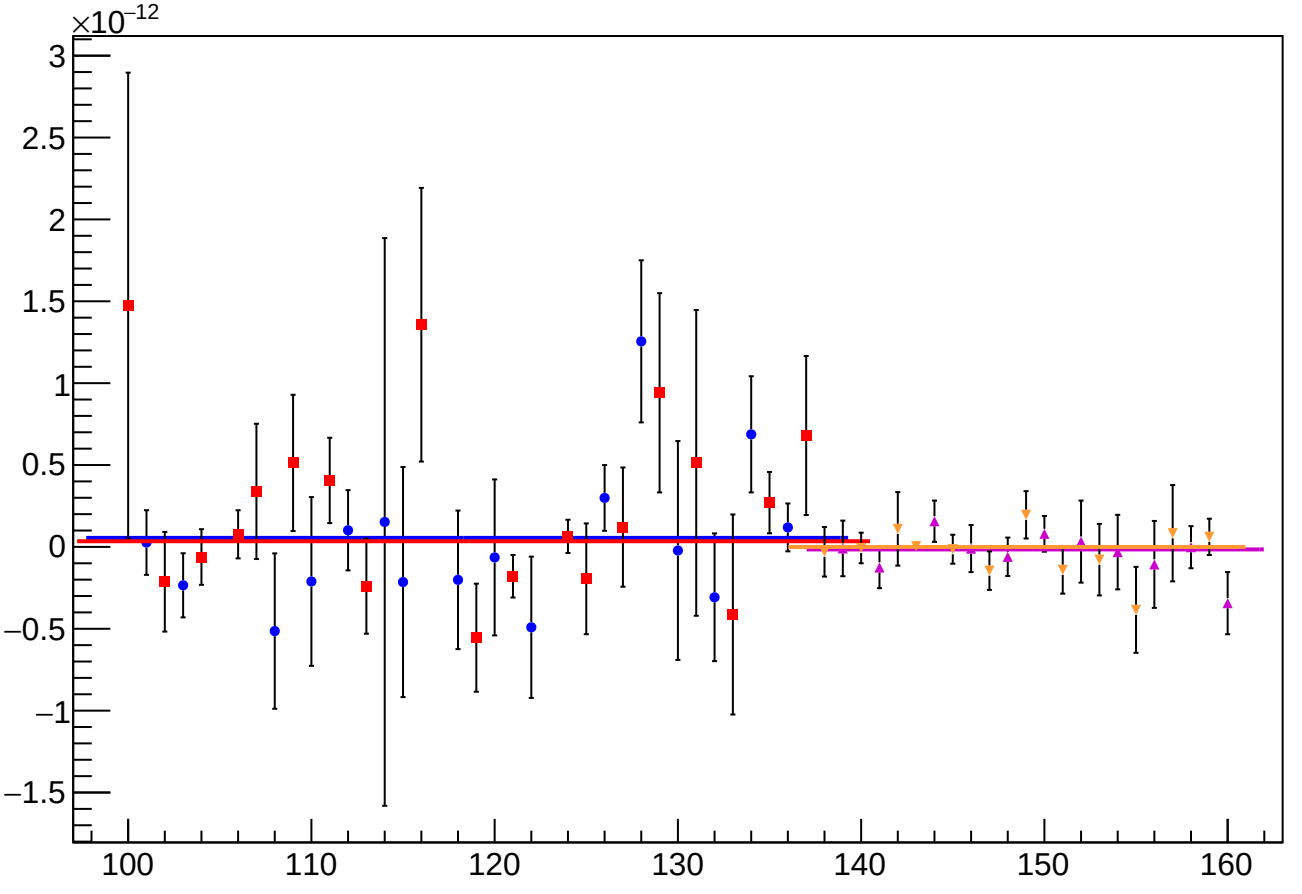
Left In: 5289.053+/-1.226 χ^2/NDF:407800.3/10

+ sign 4109.140+/-0.740 χ^2/NDF: 2501816.1/27

All: 4120.609+/-0.523 χ^2/NDF: 4978320.4/57

- 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:7.3/11

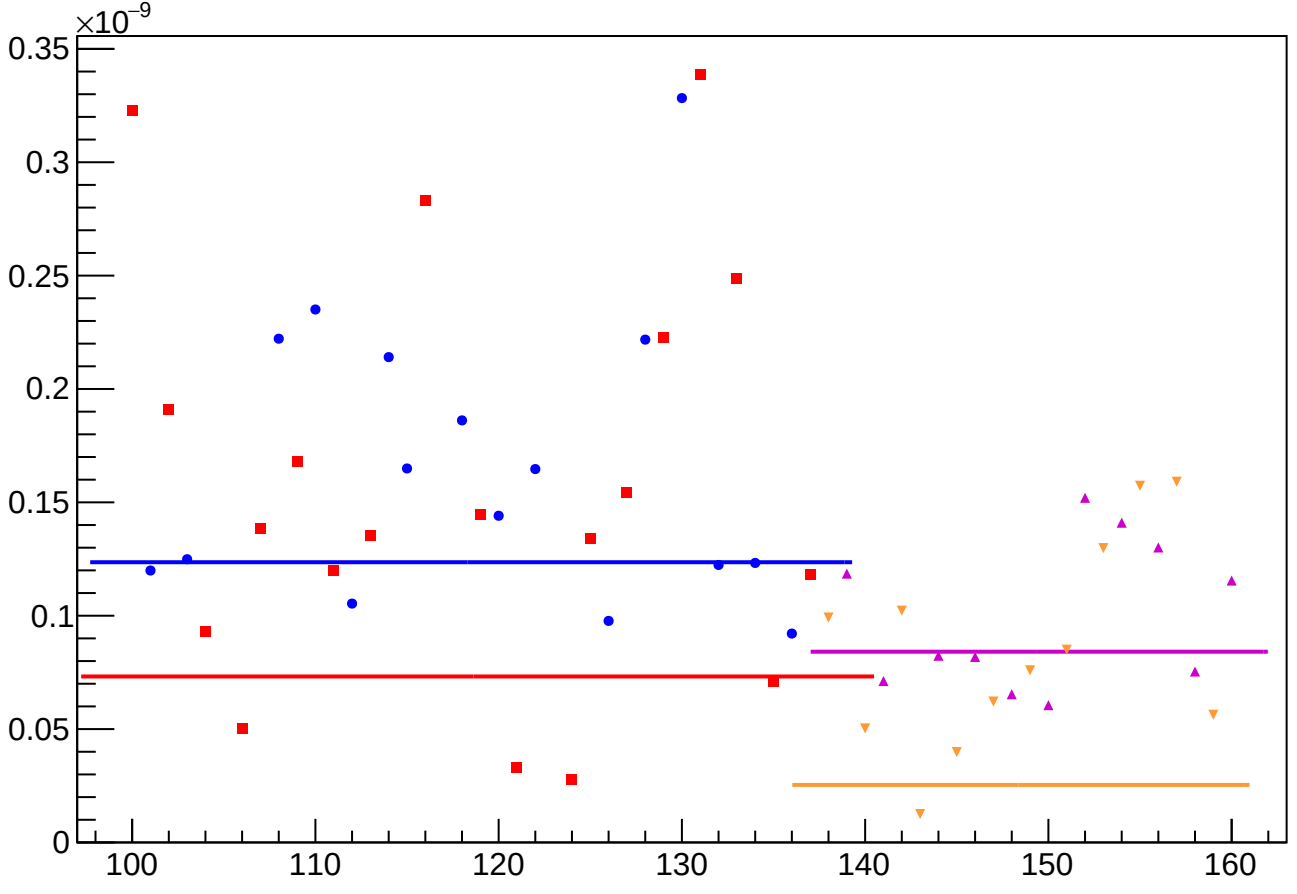
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 25.6/27

All: 0.000+/-0.000 χ^2/NDF: 55.0/57

- sign 0.000+/-0.000 χ^2/NDF: 29.5/29



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3868280.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

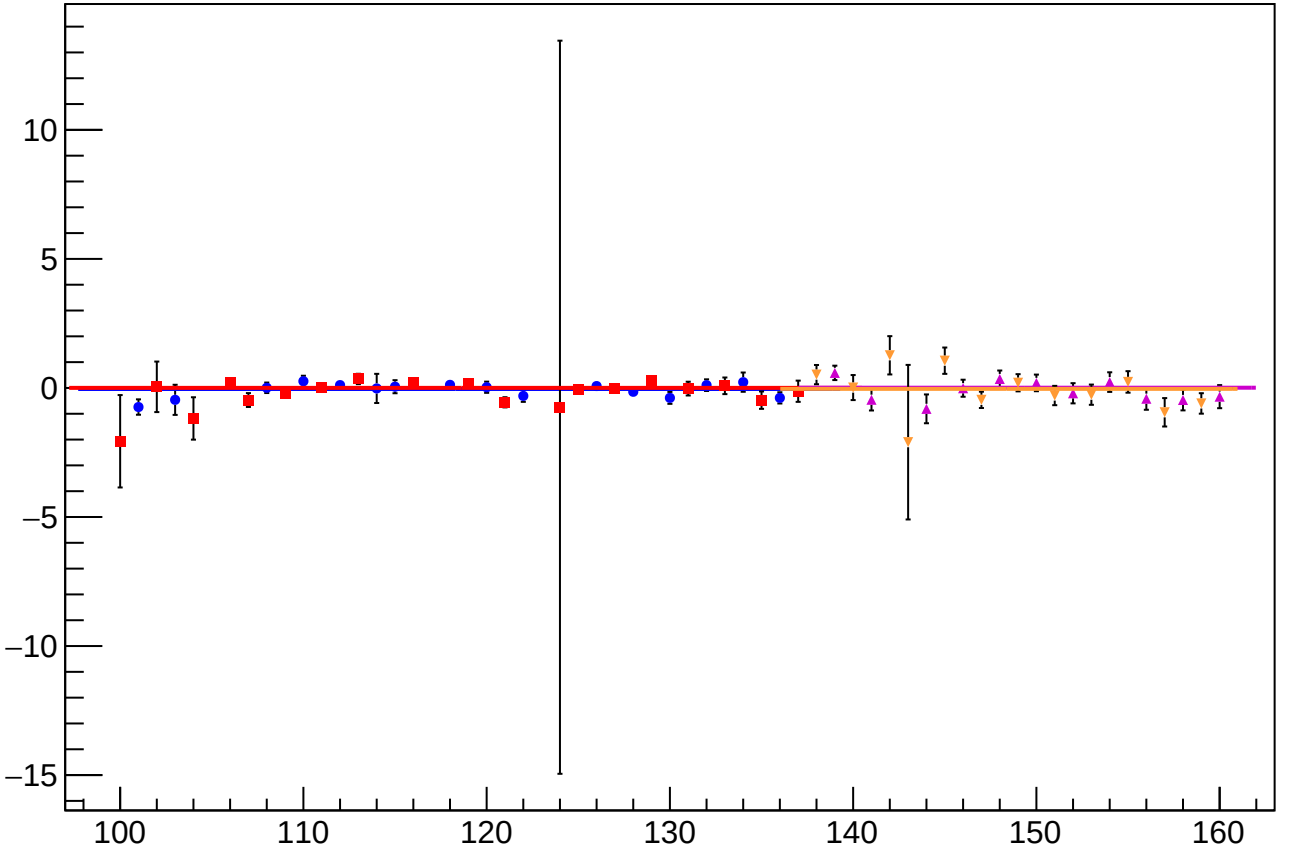
Left In: 0.000+/-0.000 χ^2/NDF:644204.8/10

\+ sign 0.000+/-0.000 χ^2/NDF: 7892555.4/27

All: 0.000+/-0.000 χ^2/NDF: 13742298.8/57

\- 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: -0.035+/-0.124 χ^2/NDF:18.6/11

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

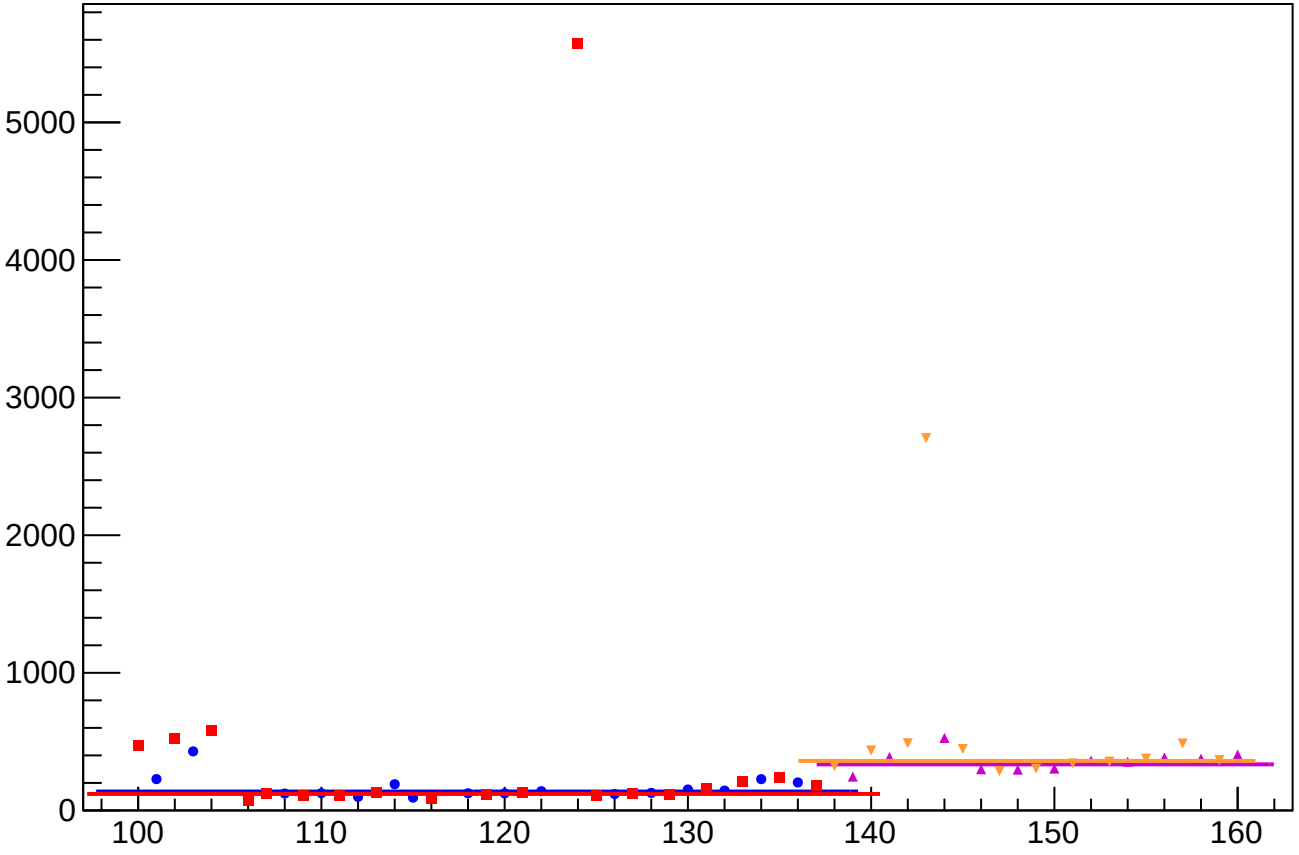
Left In: 0.009+/-0.112 χ^2/NDF:12.7/10

\+ sign -0.039+/-0.051 χ^2/NDF: 36.5/27

All: -0.015+/-0.034 χ^2/NDF: 78.3/57

\- 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: 360.058+/-0.088 χ^2/NDF:1694152.8/11

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

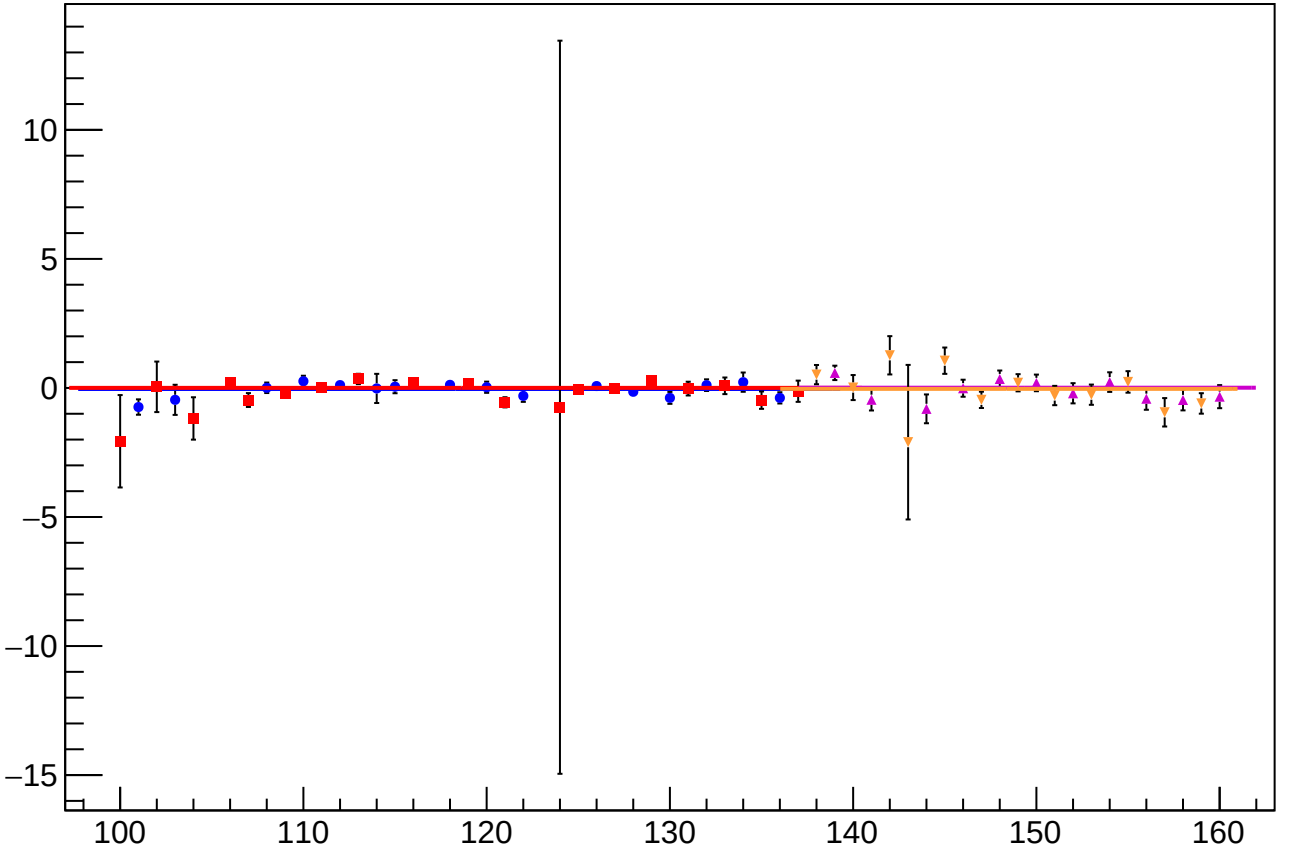
Left In: 334.934+/-0.079 χ^2/NDF:653385.5/10

+ sign 175.029+/-0.036 χ^2/NDF: 8340312.7/27

All: 165.137+/-0.024 χ^2/NDF: 17392188.1/57

- 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: -0.035+/-0.124 χ^2/NDF:18.6/11

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

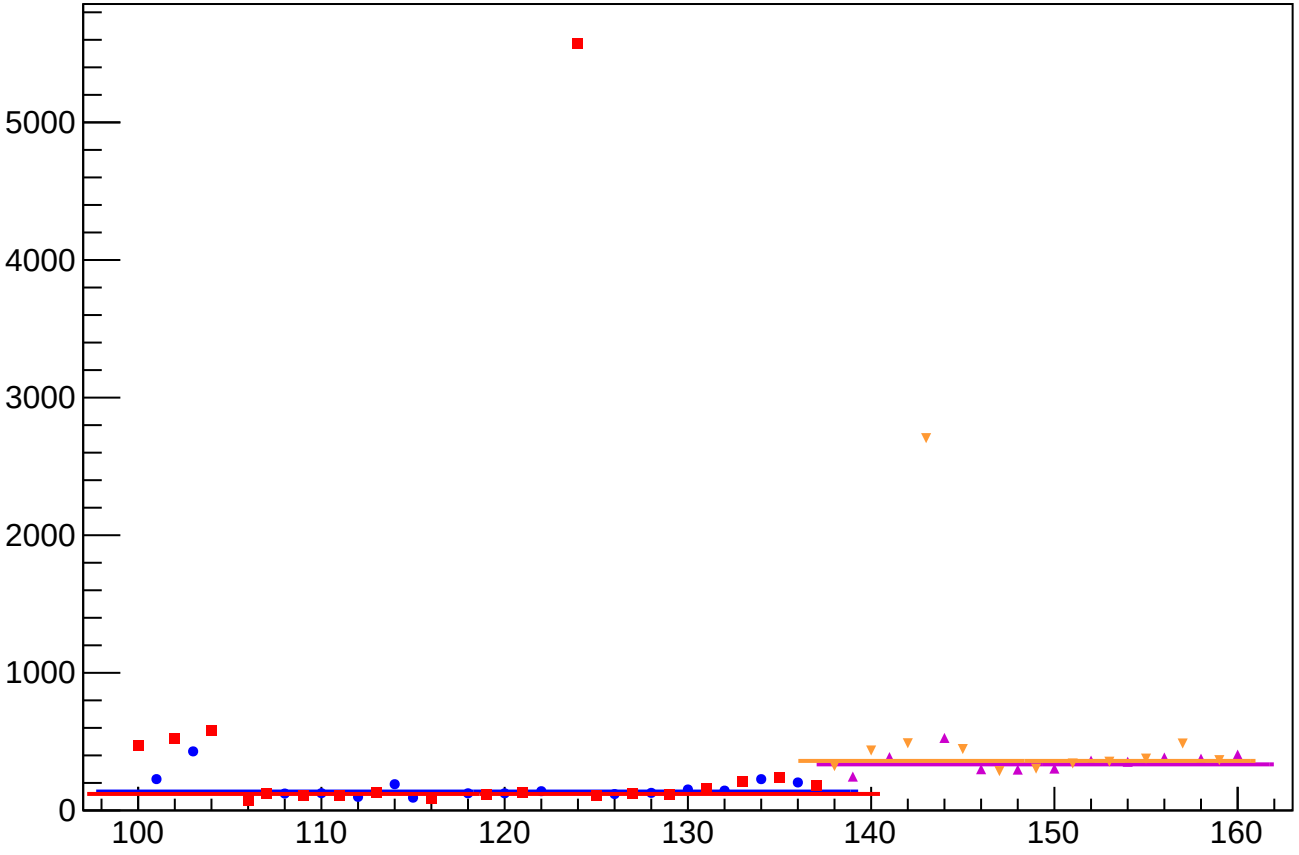
Left In: 0.009+/-0.112 χ^2/NDF:12.7/10

\+ sign -0.039+/-0.051 χ^2/NDF: 36.5/27

All: -0.015+/-0.034 χ^2/NDF: 78.3/57

\- 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: 360.058+/-0.088 χ^2/NDF:1694152.8/11

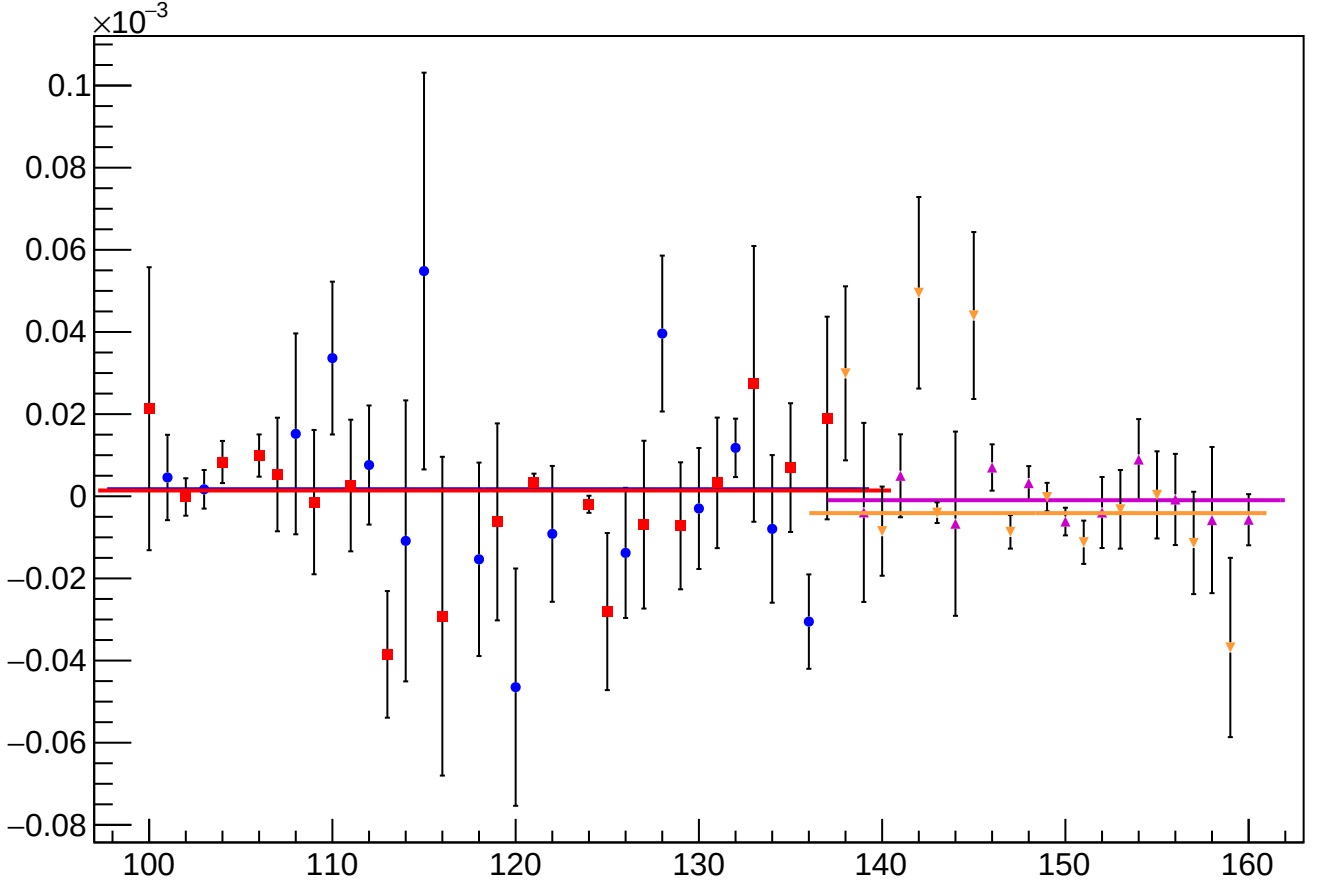
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 334.934+/-0.079 χ^2/NDF:653385.5/10

+ sign 175.029+/-0.036 χ^2/NDF: 8340312.7/27

All: 165.137+/-0.024 χ^2/NDF: 17392188.1/57

- 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:20.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

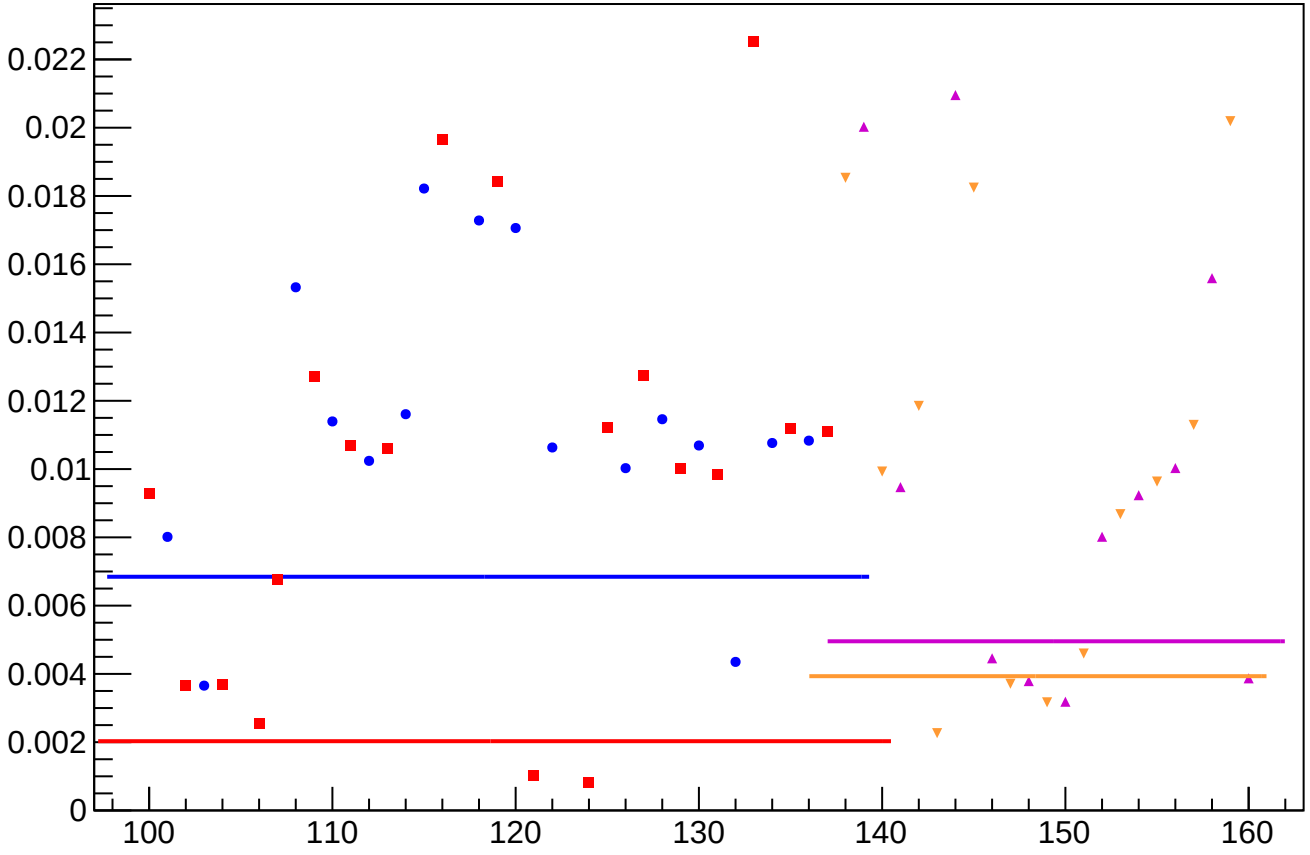
Left In: -0.000+/-0.000 χ^2/NDF:7.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 47.5/27

All: -0.000+/-0.000 χ^2/NDF: 80.2/57

- sign 0.000+/-0.000 χ^2/NDF: 28.9/29

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:6673356.3/11

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

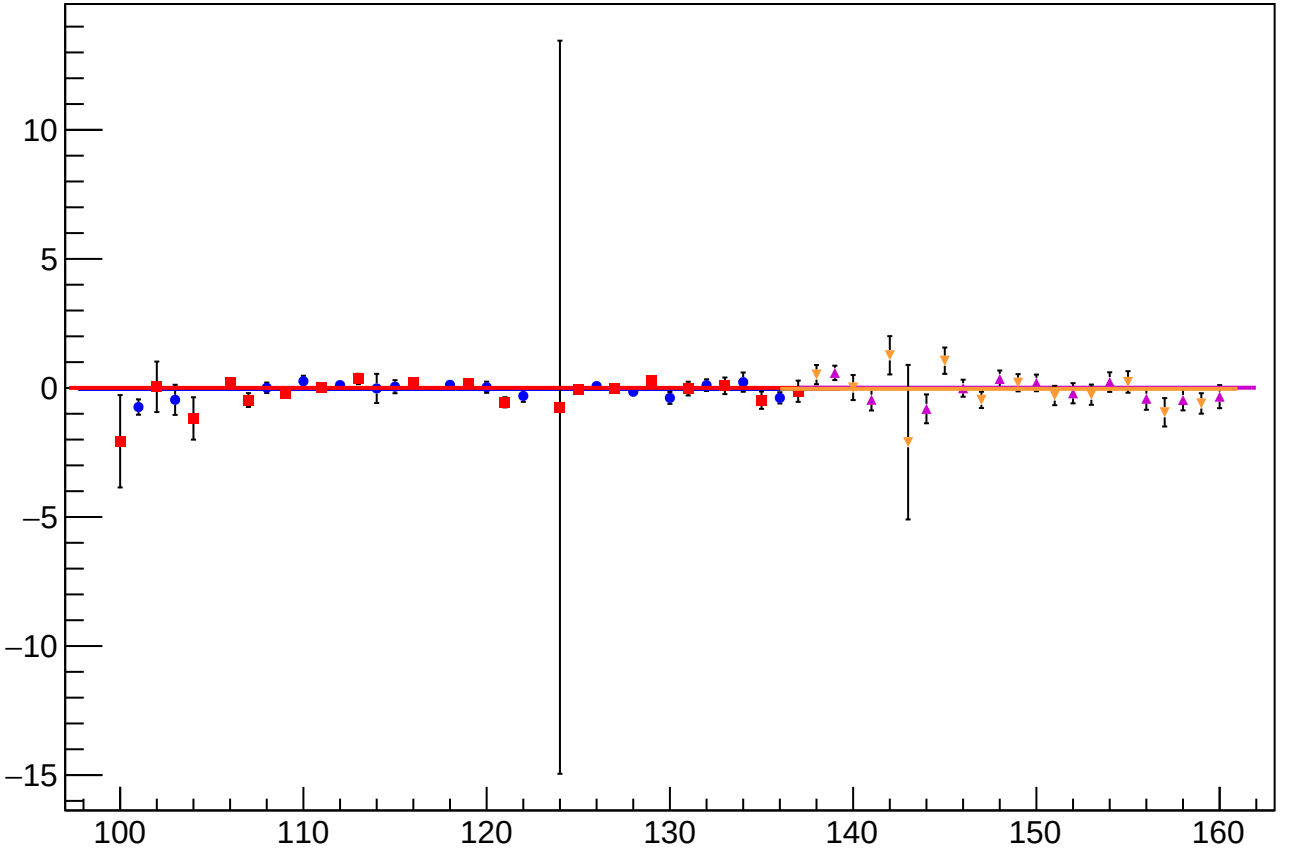
Left In: 0.005+/-0.000 χ^2/NDF:4923293.3/10

+ sign 0.005+/-0.000 χ^2/NDF: 11387326.1/27

All: 0.003+/-0.000 χ^2/NDF: 30331431.2/57

- sign 0.003+/-0.000 χ^2/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: -0.035+/-0.124 χ^2/NDF:18.6/11

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

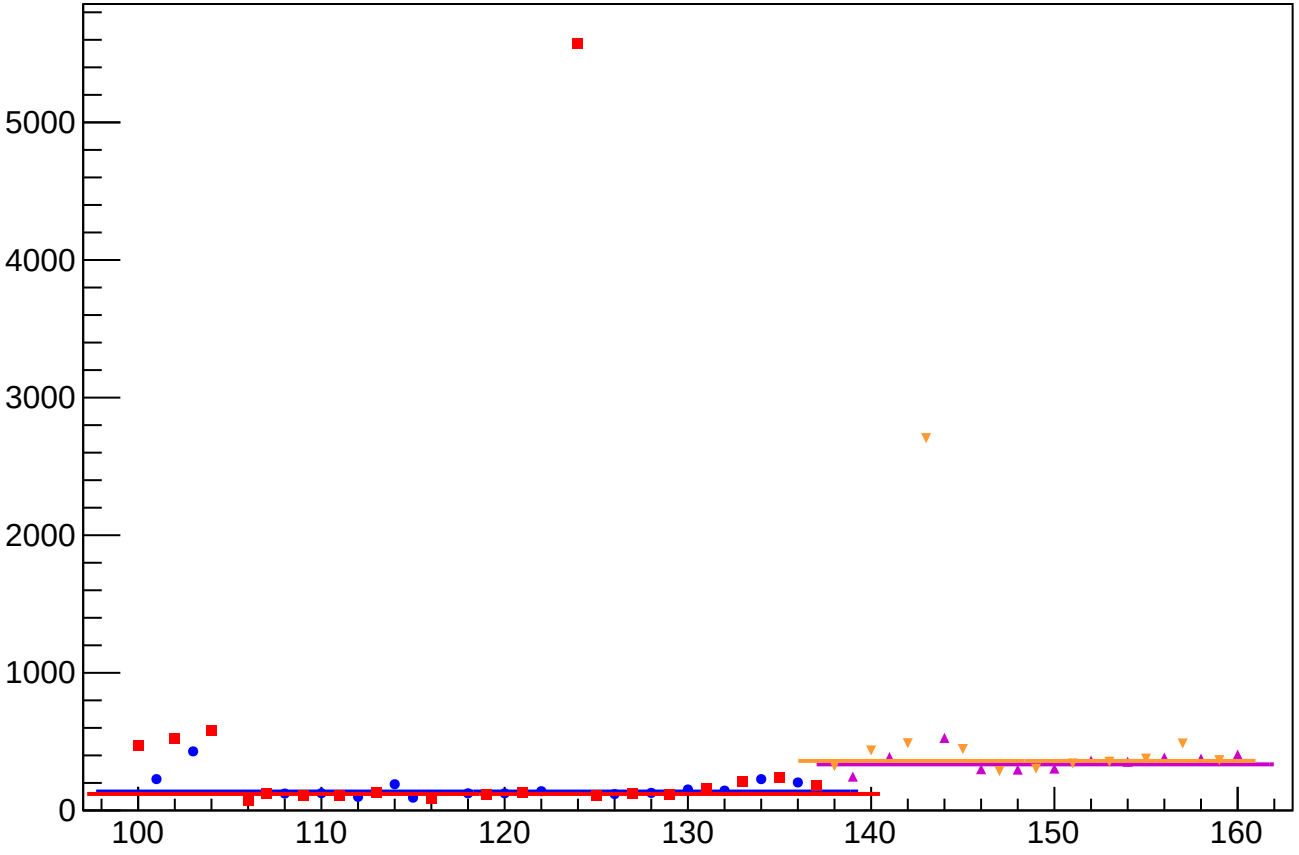
Left In: 0.009+/-0.112 χ^2/NDF:12.7/10

\+ sign -0.039+/-0.051 χ^2/NDF: 36.5/27

All: -0.015+/-0.034 χ^2/NDF: 78.3/57

\- 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: 360.062+/-0.088 χ^2/NDF:1694192.3/11

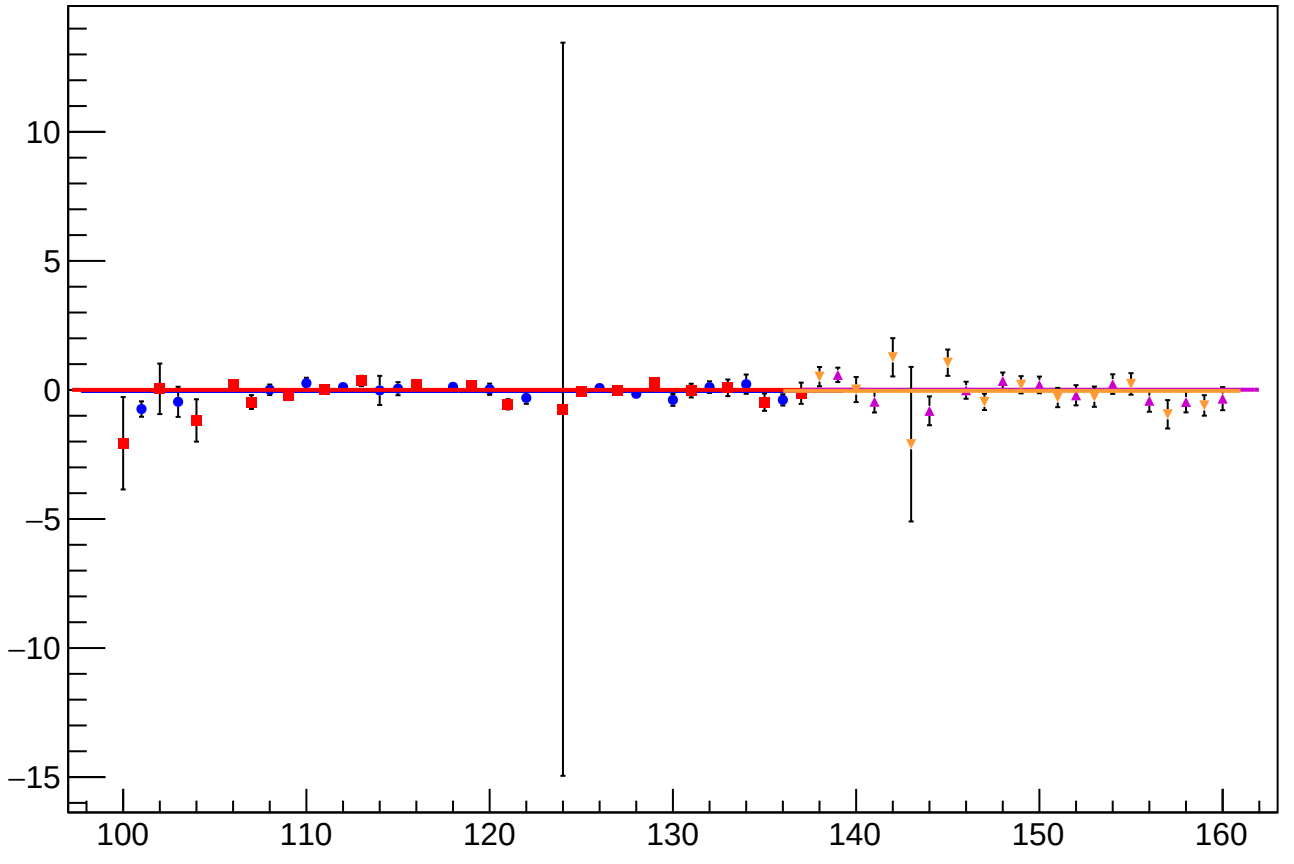
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 334.939+/-0.079 χ^2/NDF:653379.4/10

+ sign 175.030+/-0.036 χ^2/NDF: 8340315.4/27

All: 165.138+/-0.024 χ^2/NDF: 17392254.3/57

- 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: -0.035+/-0.124 χ^2/NDF:18.6/11

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

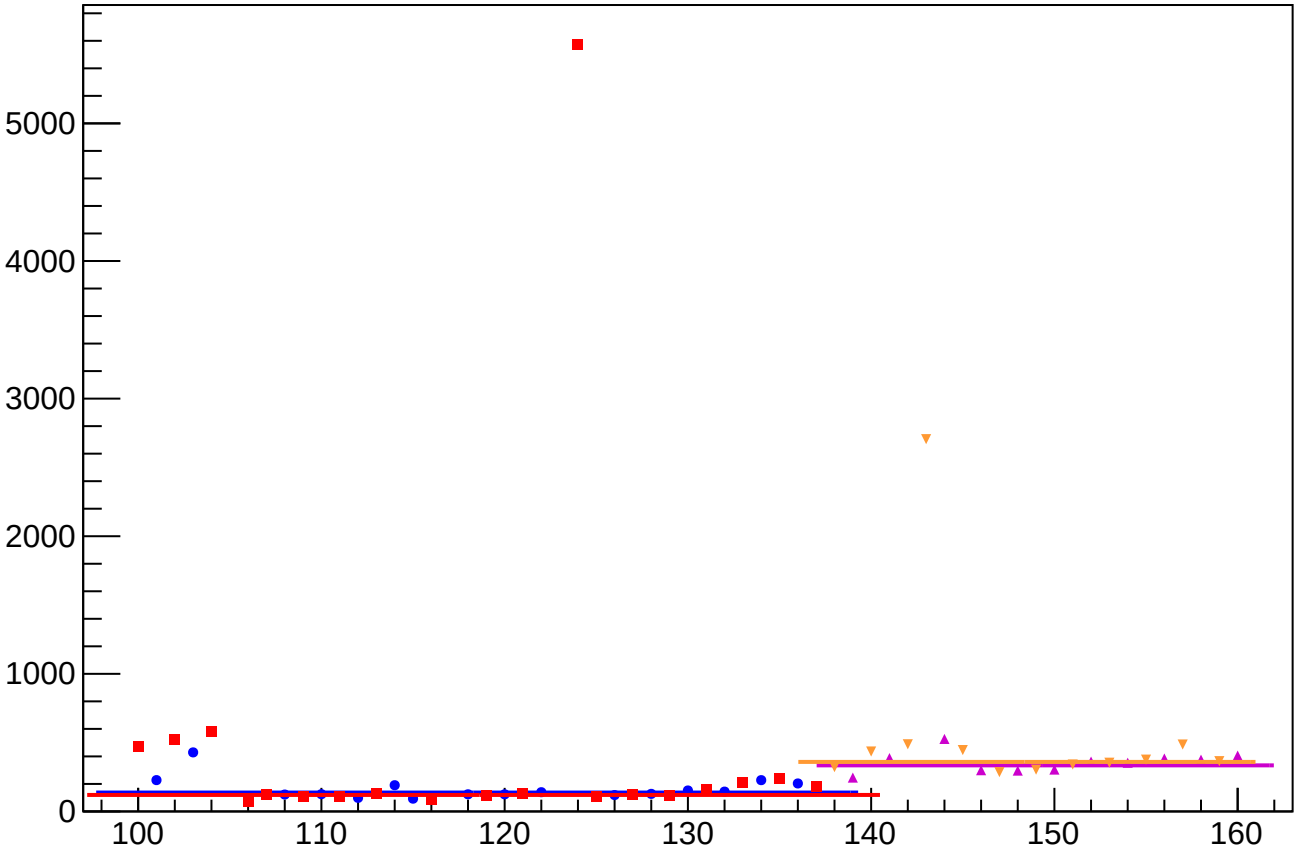
Left In: 0.009+/-0.112 χ^2/NDF:12.7/10

+ sign -0.039+/-0.051 χ^2/NDF: 36.5/27

All: -0.015+/-0.034 χ^2/NDF: 78.3/57

- sign 0.004+/-0.046 χ^2/NDF: 41.4/29

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 360.062+/-0.088 χ^2/NDF:1694192.3/11

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

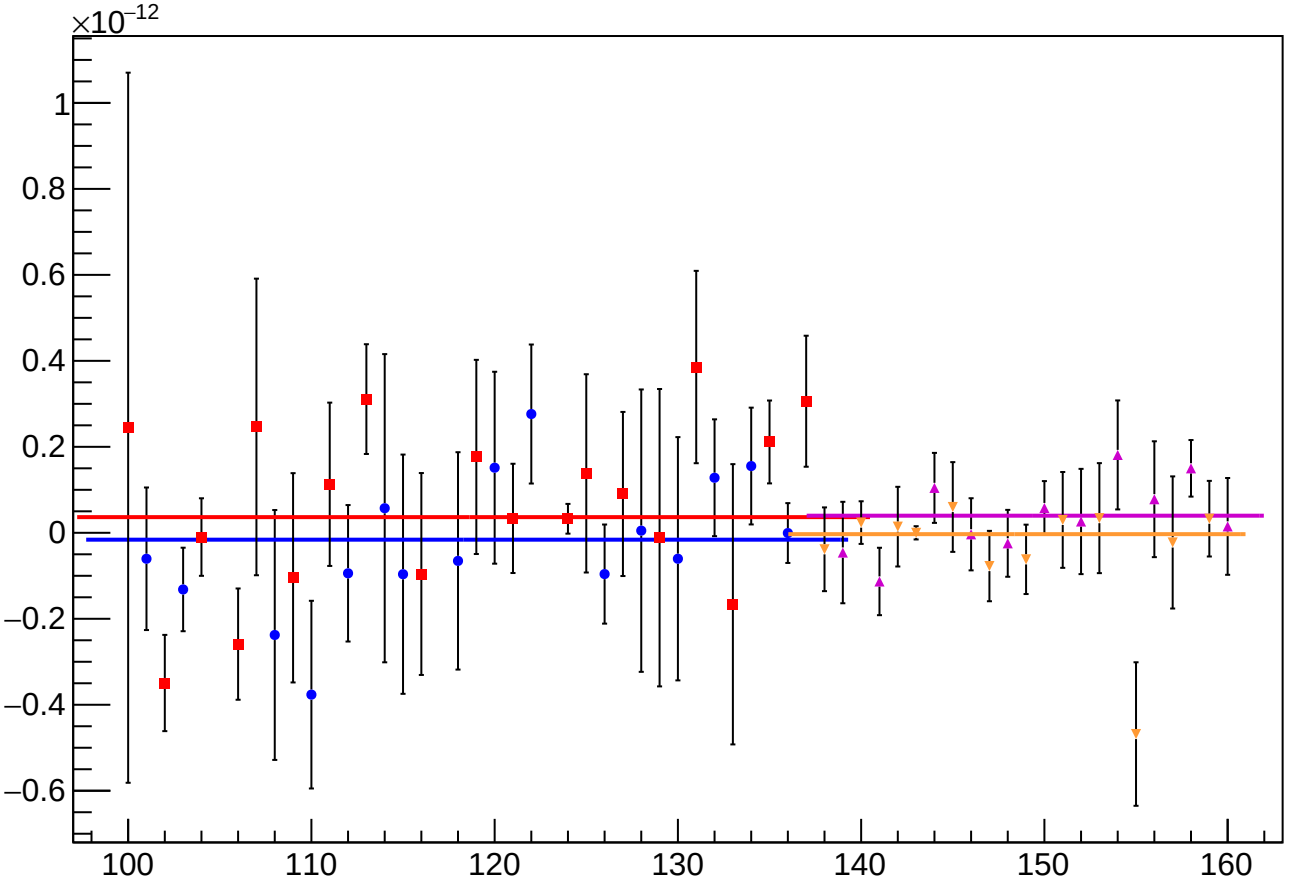
Left In: 334.939+/-0.079 χ^2/NDF:653379.4/10

+ sign 175.030+/-0.036 χ^2/NDF: 8340315.4/27

All: 165.138+/-0.024 χ^2/NDF: 17392254.3/57

- sign 156.932+/-0.033 χ^2/NDF: 8913650.4/29

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/11

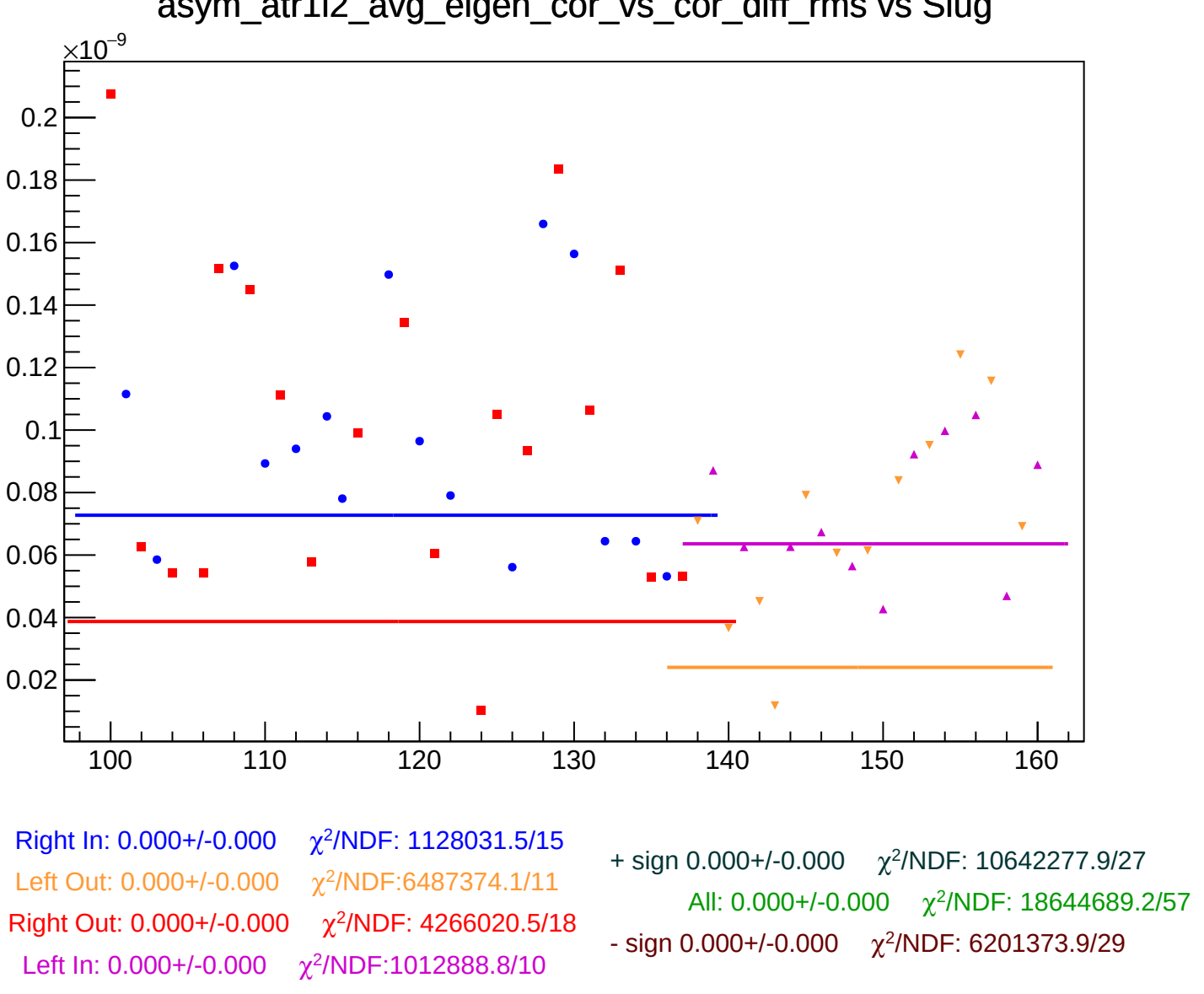
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.2/10

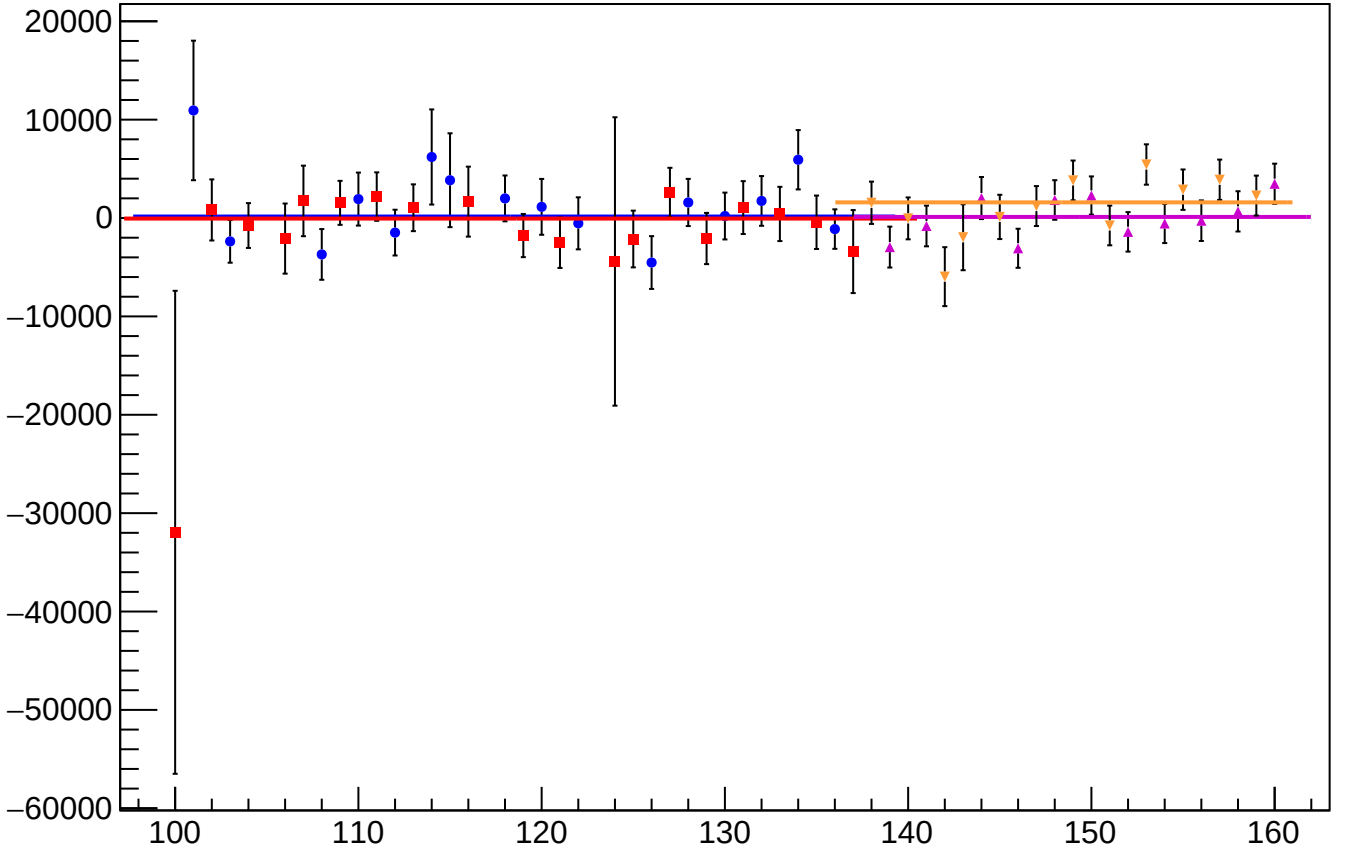
+ sign -0.000+/-0.000 χ^2/NDF: 22.7/27

All: 0.000+/-0.000 χ^2/NDF: 69.8/57

- 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:6487374.1/11
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: 10642277.9/27
All: 0.000+/-0.000 χ²/NDF: 18644689.2/57
- 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: 1591.745+/-629.425 χ^2/NDF:16.4/11

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

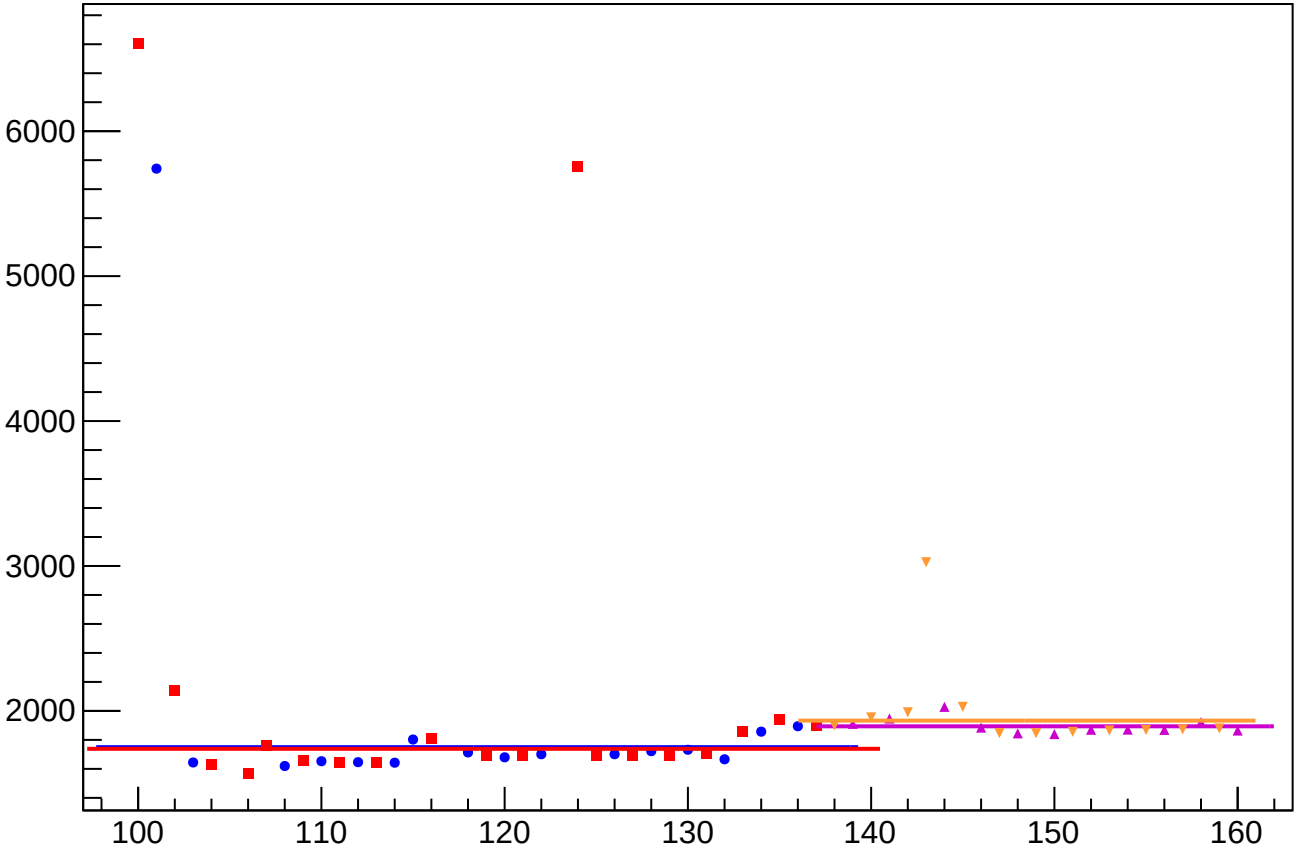
Left In: 112.058+/-612.730 χ^2/NDF:11.3/10

+ sign 912.995+/-457.788 χ^2/NDF: 36.5/27

All: 463.835+/-320.023 χ^2/NDF: 58.7/57

- 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: 1933.007+/-0.445 χ^2/NDF:235529.2/11

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

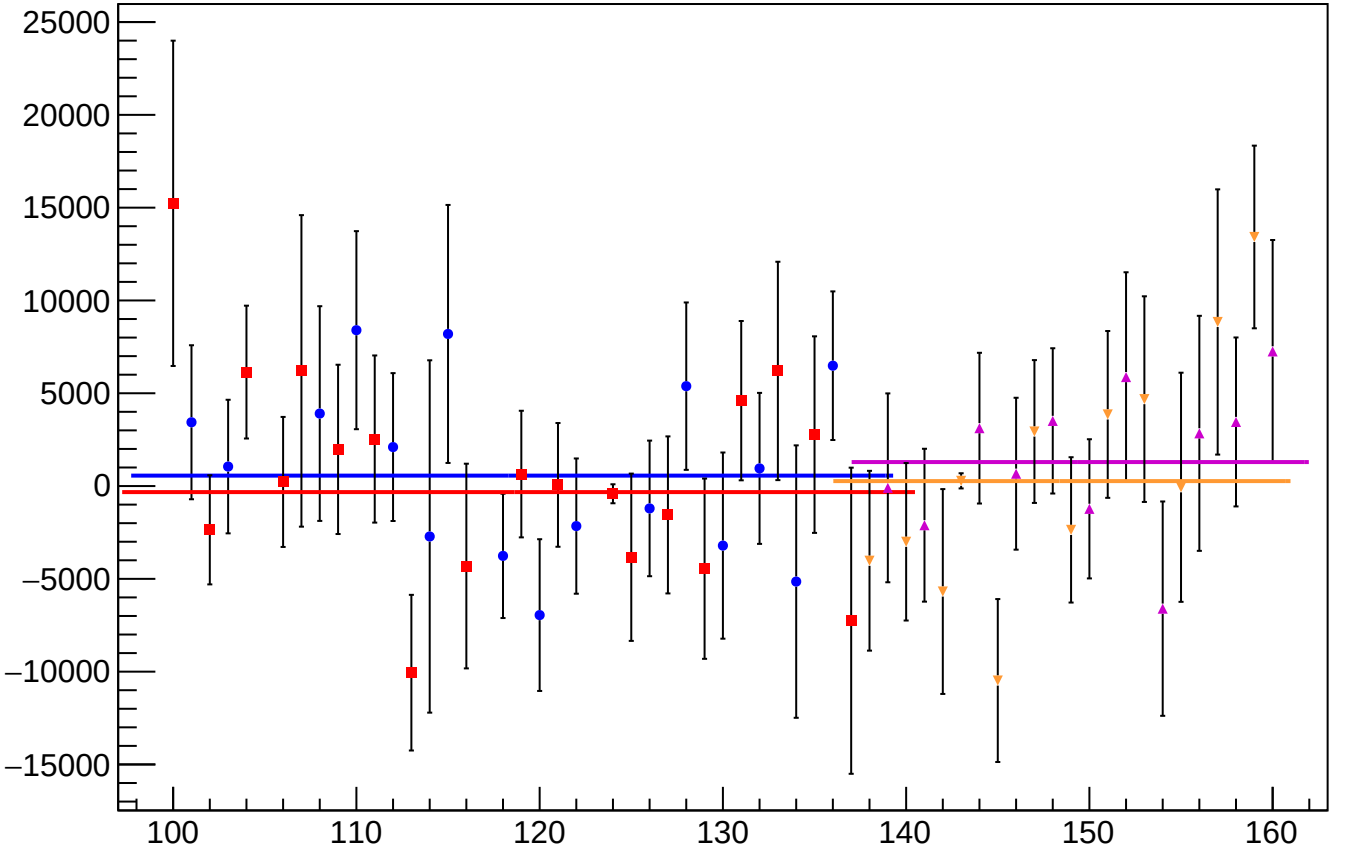
Left In: 1893.718+/-0.433 χ^2/NDF:13719.5/10

+ sign 1846.743+/-0.324 χ^2/NDF: 984860.6/27

All: 1833.402+/-0.226 χ^2/NDF: 1366731.6/57

- sign 1820.738+/-0.315 χ^2/NDF: 378559.9/29

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 266.971+/-393.443 χ^2/NDF:19.3/11

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

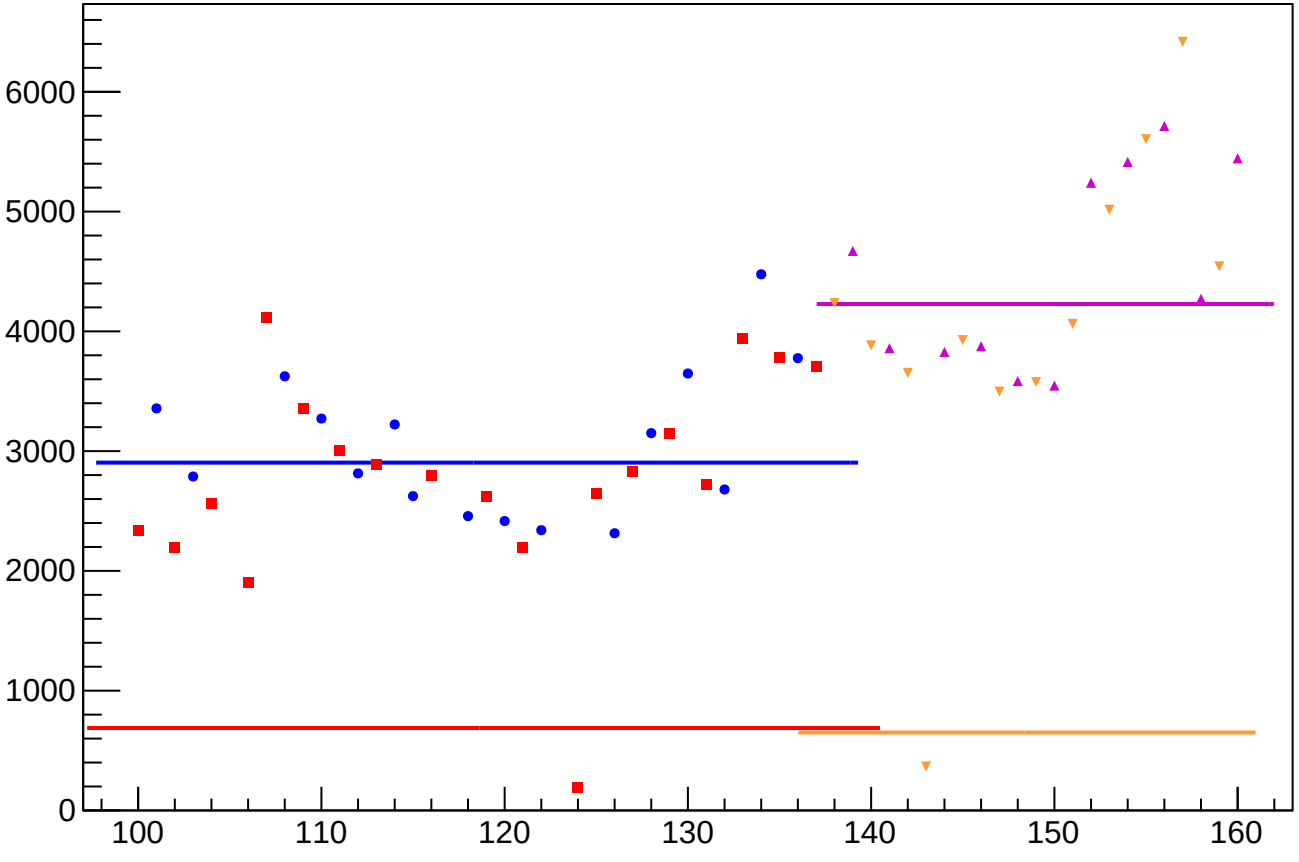
Left In: 1292.788+/-1391.170 χ^2/NDF:5.6/10

+ sign 300.409+/-370.504 χ^2/NDF: 34.2/27

All: 103.739+/-282.056 χ^2/NDF: 60.9/57

- 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: 651.040+/-0.278 χ^2/NDF:13370701.2/11

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

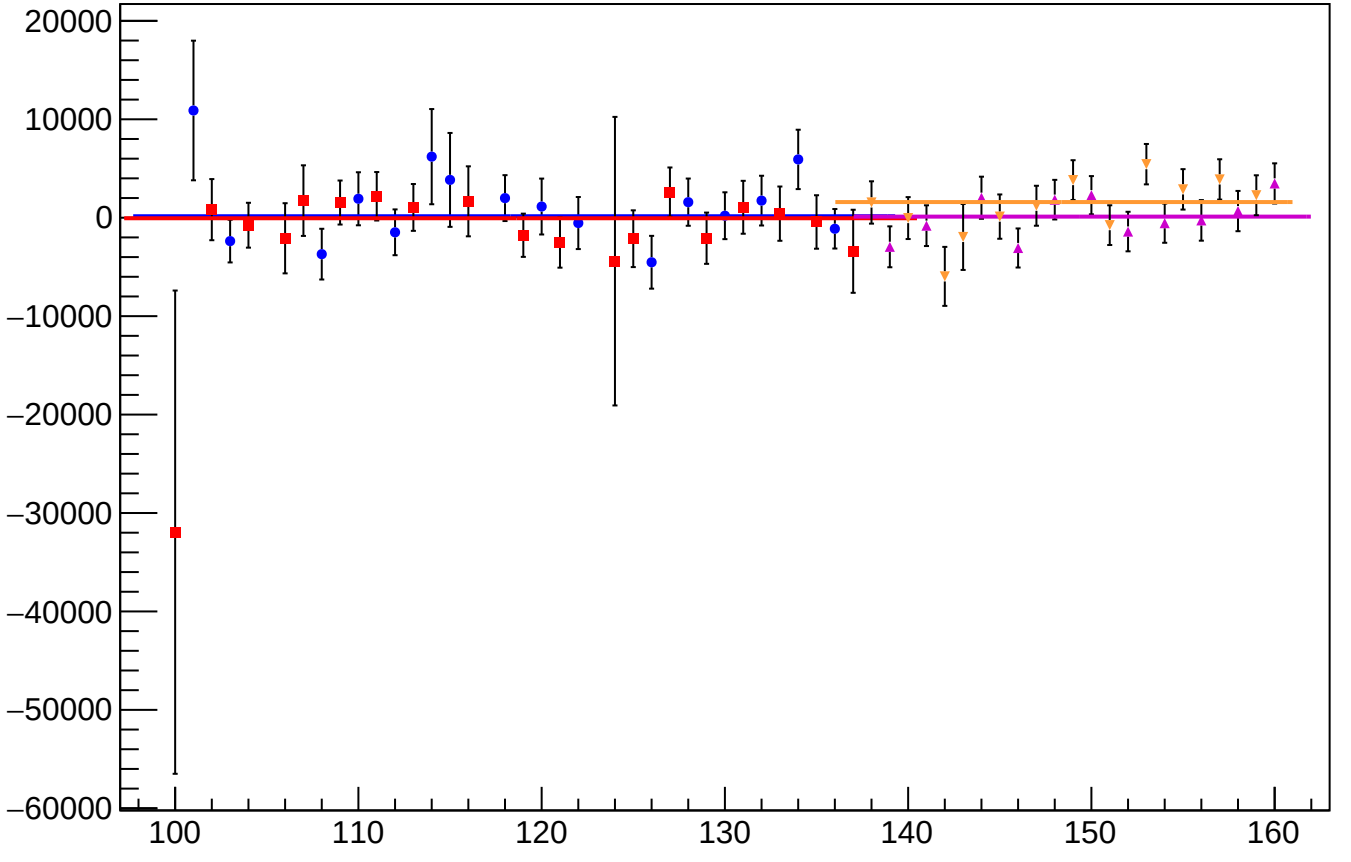
Left In: 4228.172+/-0.984 χ^2/NDF:526737.6/10

+ sign 906.103+/-0.262 χ^2/NDF: 21275159.8/27

All: 960.046+/-0.199 χ^2/NDF: 43734766.7/57

- 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: 1591.686+/-629.425 χ^2/NDF:16.4/11

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

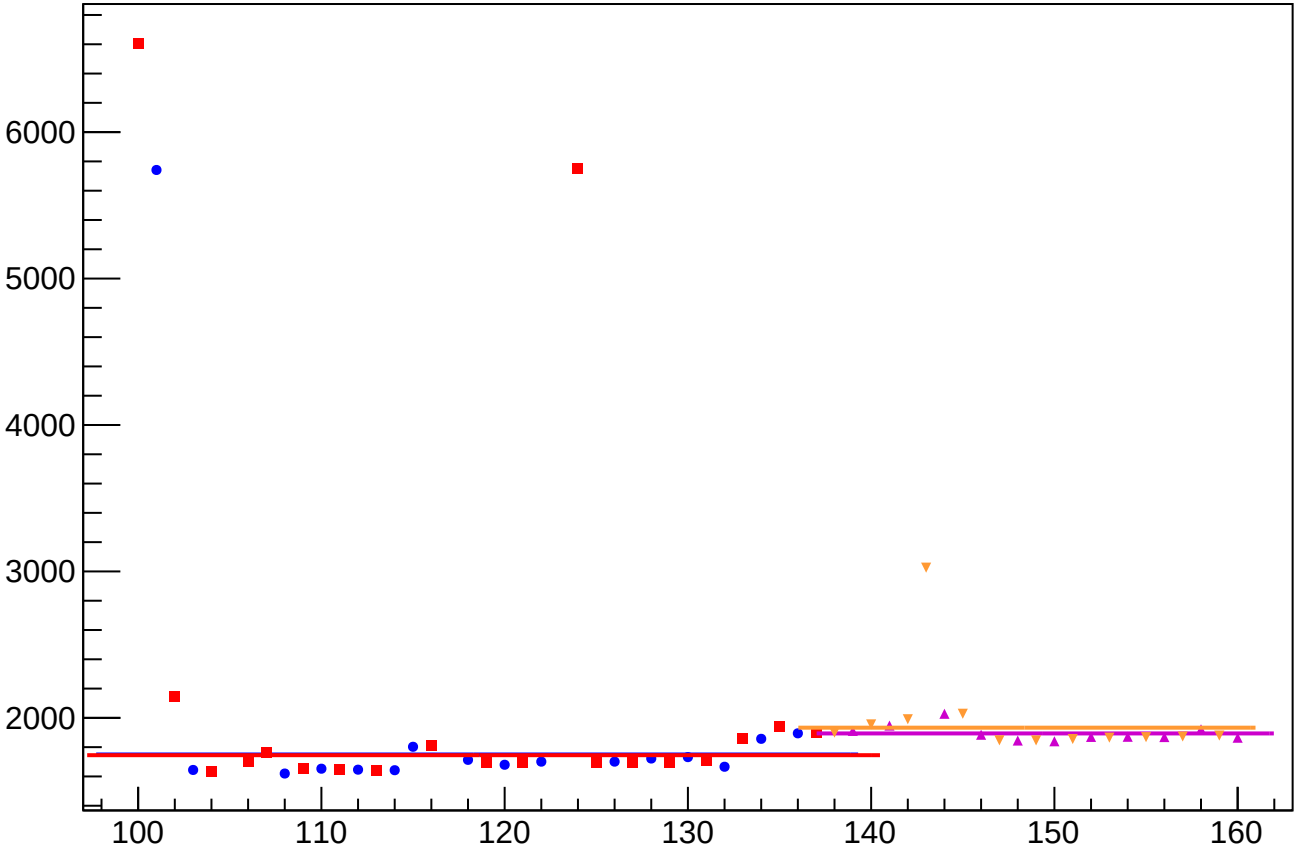
Left In: 112.098+/-612.730 χ^2/NDF:11.3/10

+ sign 912.744+/-457.788 χ^2/NDF: 36.5/27

All: 463.711+/-320.023 χ^2/NDF: 58.6/57

- 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: 1933.007+/-0.445 χ^2/NDF:235529.2/11

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

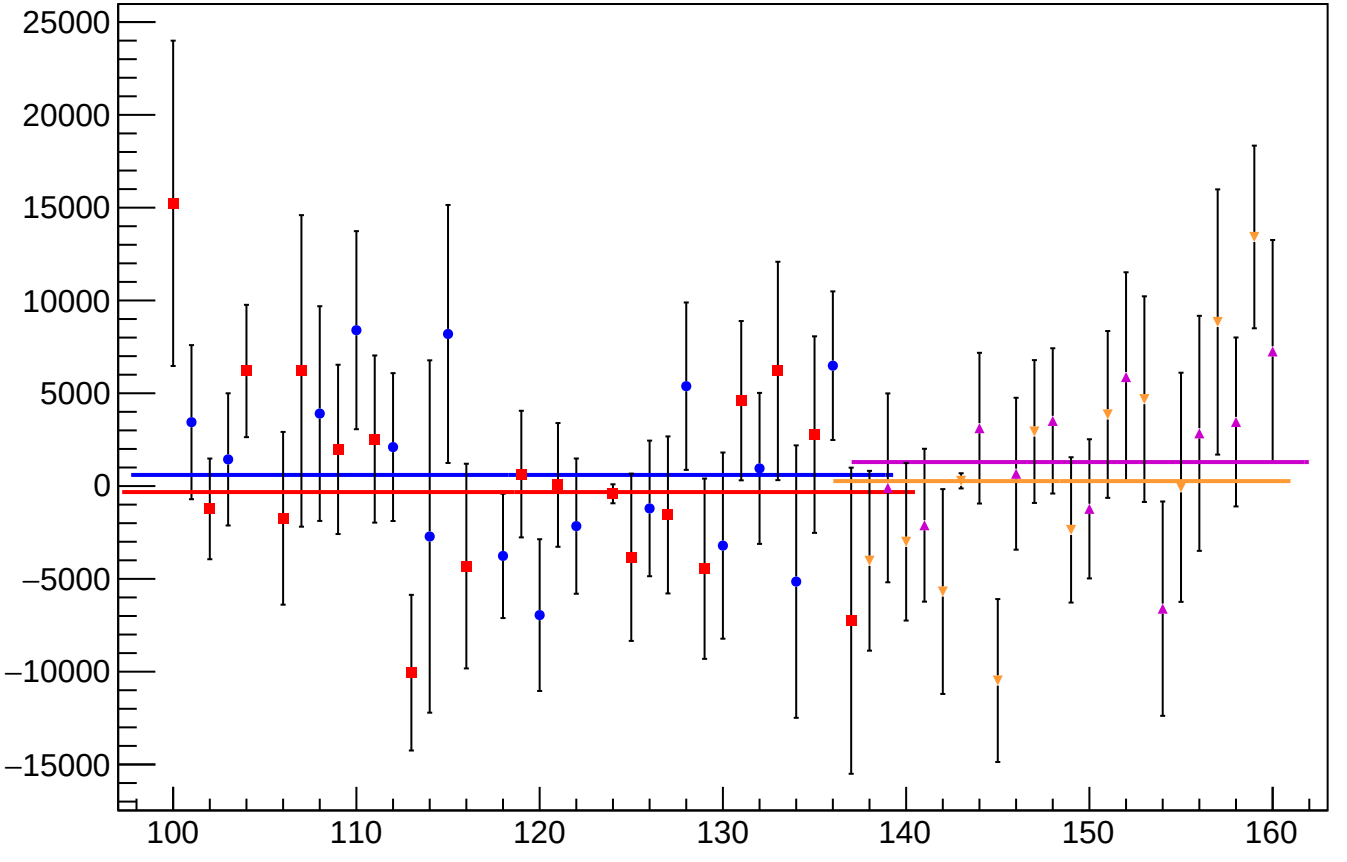
Left In: 1893.718+/-0.433 χ^2/NDF:13719.5/10

+ sign 1846.743+/-0.324 χ^2/NDF: 984861.1/27

All: 1835.173+/-0.226 χ^2/NDF: 1354095.9/57

- sign 1824.153+/-0.316 χ^2/NDF: 366740.5/29

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 267.940+/-393.475 χ^2/NDF:19.3/11

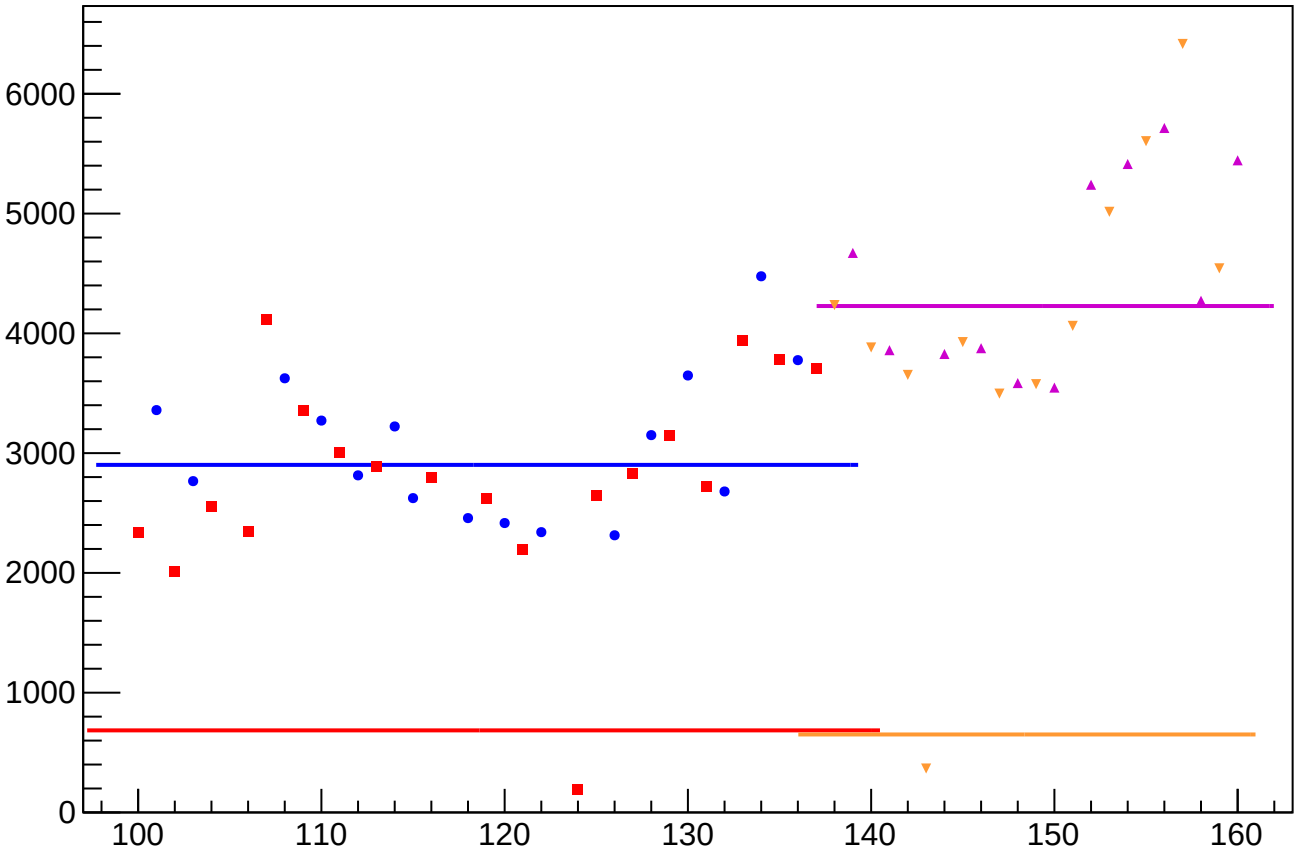
Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 1292.900+/-1391.167 χ^2/NDF:5.6/10

+ sign 305.623+/-370.491 χ^2/NDF: 34.3/27

All: 108.337+/-282.264 χ^2/NDF: 60.7/57

- sign -164.597+/-435.770 χ^2/NDF: 25.8/29



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 651.125+/-0.278 χ^2/NDF:13370253.3/11

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

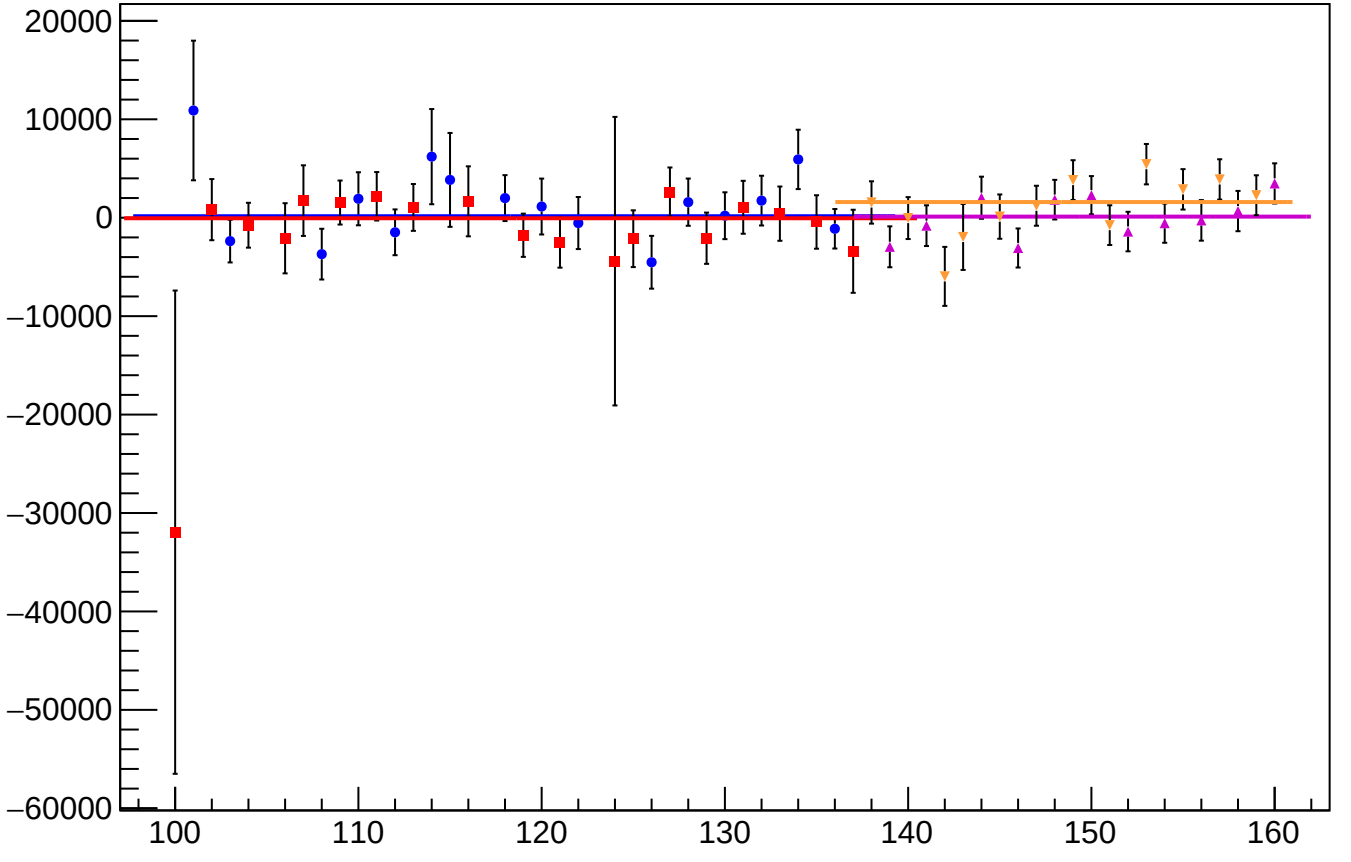
Left In: 4228.163+/-0.984 χ^2/NDF:526748.5/10

+ sign 906.392+/-0.262 χ^2/NDF: 21273090.6/27

All: 959.464+/-0.200 χ^2/NDF: 43702207.1/57

- 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: 1591.686+/-629.425 χ^2/NDF:16.4/11

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

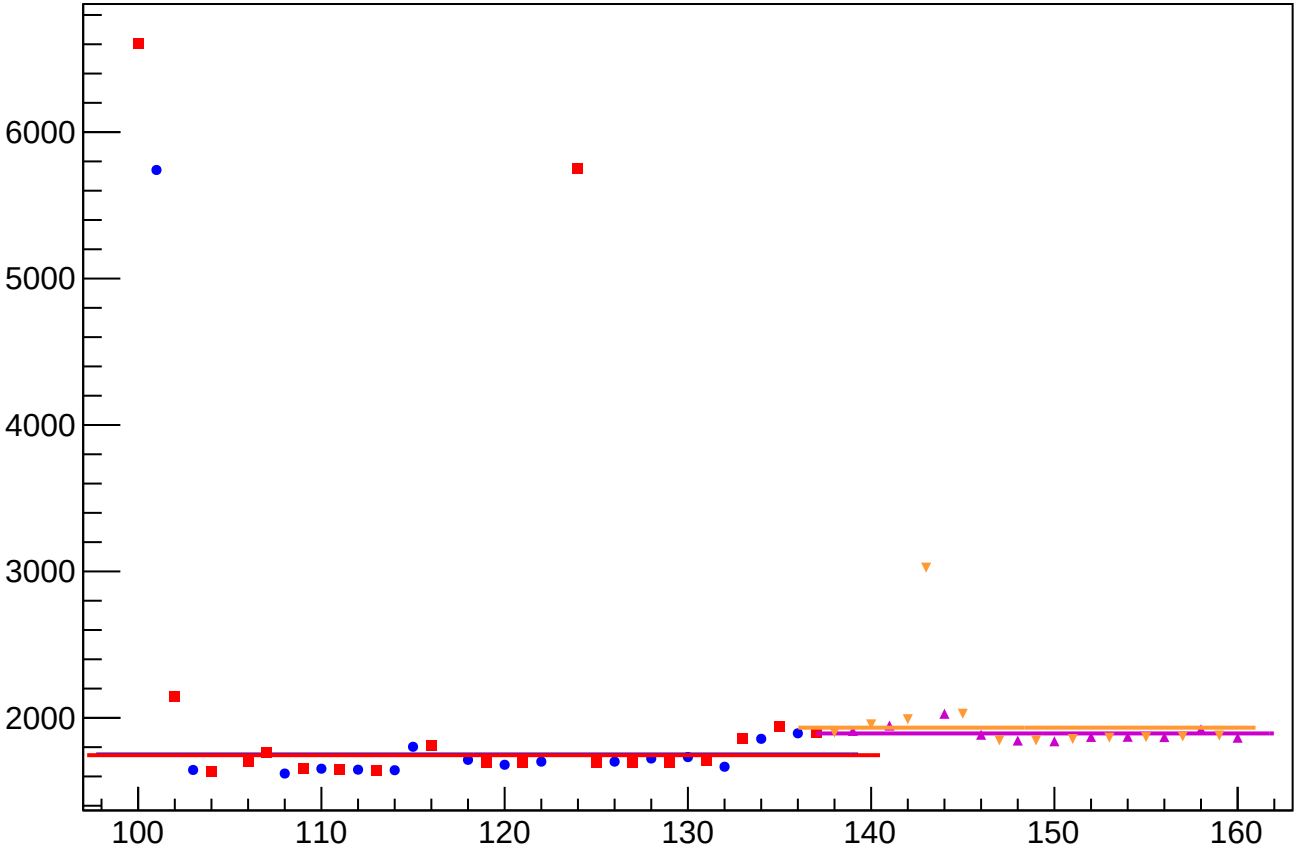
Left In: 112.098+/-612.730 χ^2/NDF:11.3/10

+ sign 912.744+/-457.788 χ^2/NDF: 36.5/27

All: 463.711+/-320.023 χ^2/NDF: 58.6/57

- 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: 1933.007+/-0.445 χ^2/NDF:235529.2/11

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

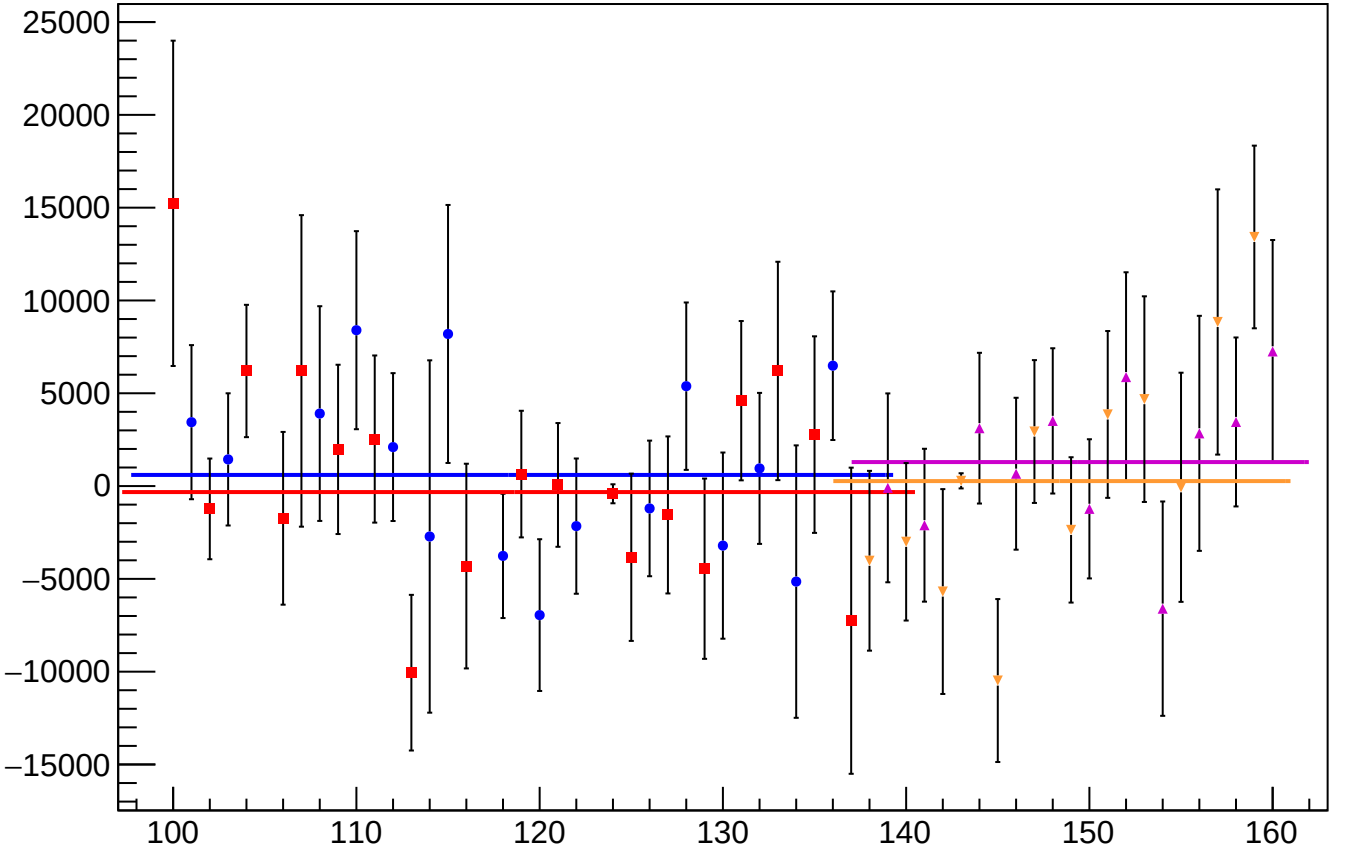
Left In: 1893.718+/-0.433 χ^2/NDF:13719.5/10

+ sign 1846.743+/-0.324 χ^2/NDF: 984861.1/27

All: 1835.173+/-0.226 χ^2/NDF: 1354095.9/57

- sign 1824.153+/-0.316 χ^2/NDF: 366740.5/29

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 267.940+/-393.475 χ^2/NDF:19.3/11

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

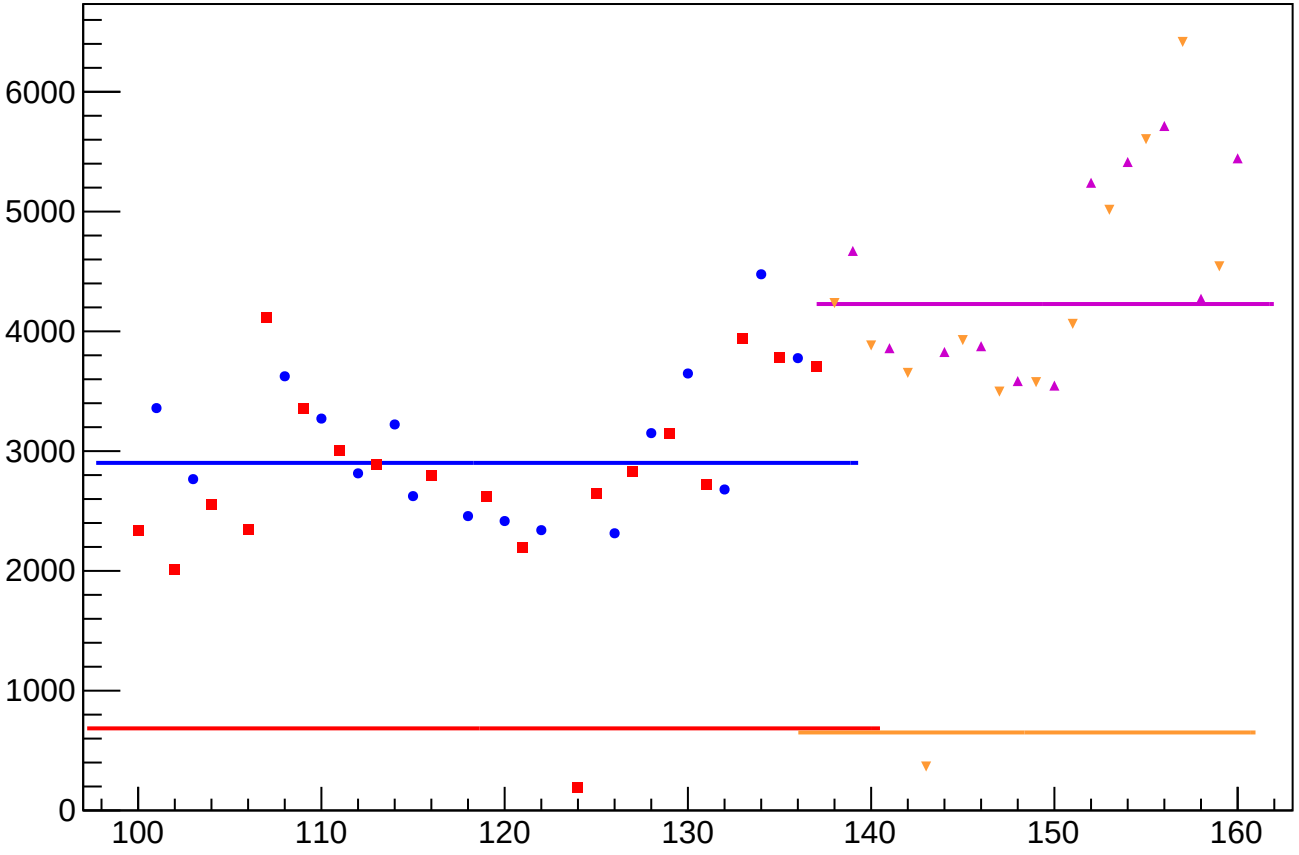
Left In: 1292.900+/-1391.167 χ^2/NDF:5.6/10

+ sign 305.623+/-370.491 χ^2/NDF: 34.3/27

All: 108.337+/-282.264 χ^2/NDF: 60.7/57

- 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: 651.125+/-0.278 χ^2/NDF:13370253.3/11

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

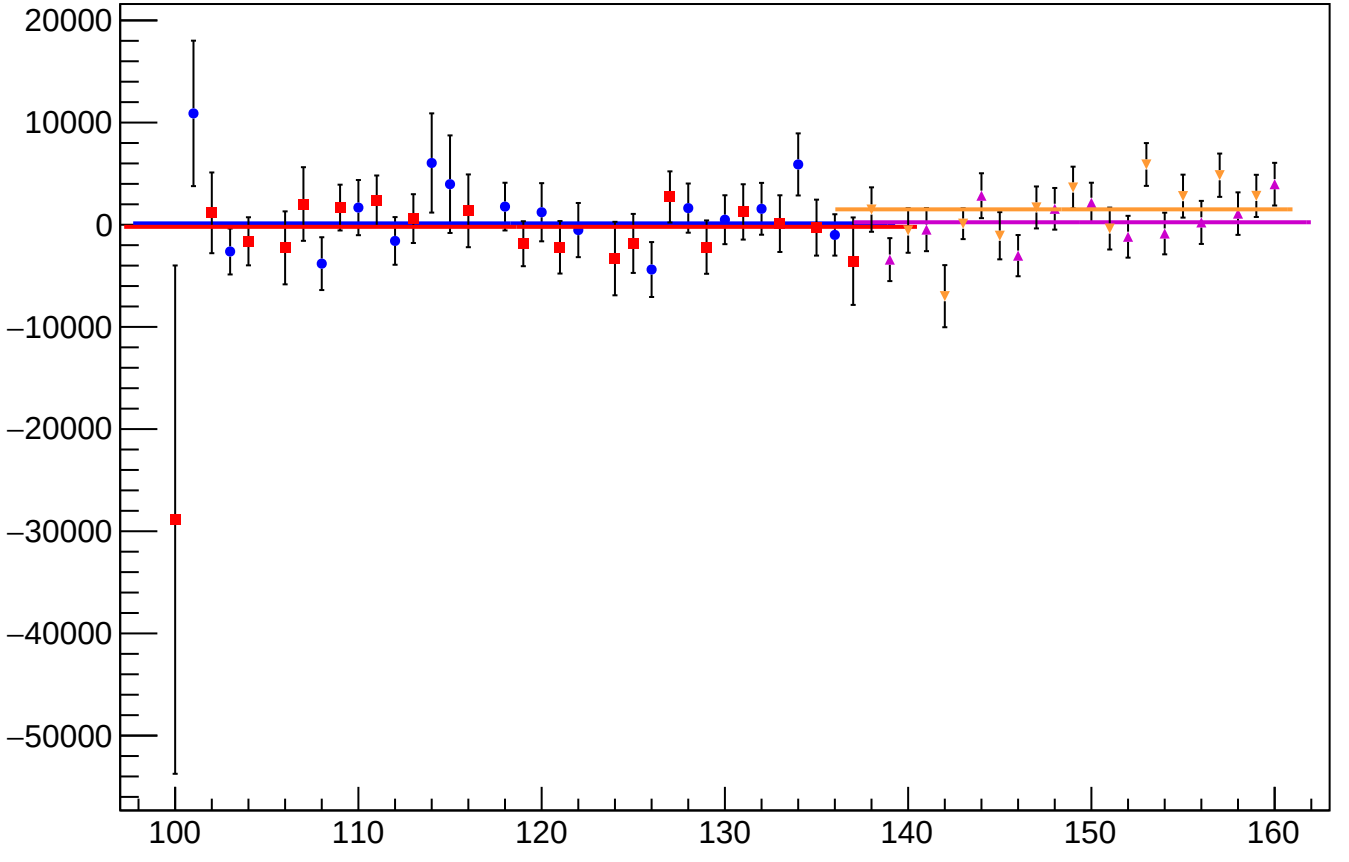
Left In: 4228.163+/-0.984 χ^2/NDF:526748.5/10

+ sign 906.392+/-0.262 χ^2/NDF: 21273090.6/27

All: 959.464+/-0.200 χ^2/NDF: 43702207.1/57

- 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: 1506.523+/-599.640 χ^2/NDF:20.4/11

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

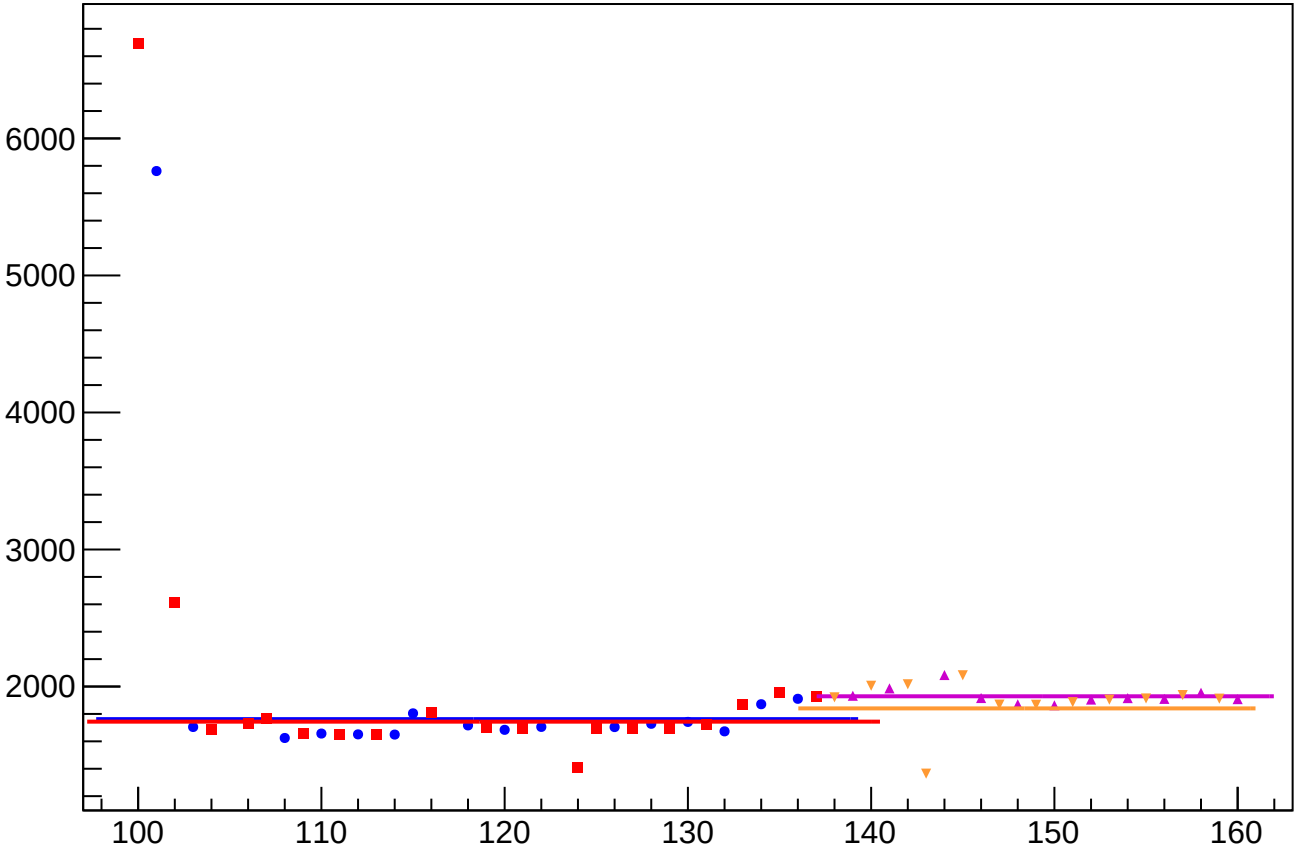
Left In: 243.059+/-624.159 χ^2/NDF:12.6/10

+ sign 897.656+/-447.301 χ^2/NDF: 40.0/27

All: 467.769+/-317.824 χ^2/NDF: 64.5/57

- 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: 1840.450+/-0.424 χ^2/NDF:254161.9/11

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

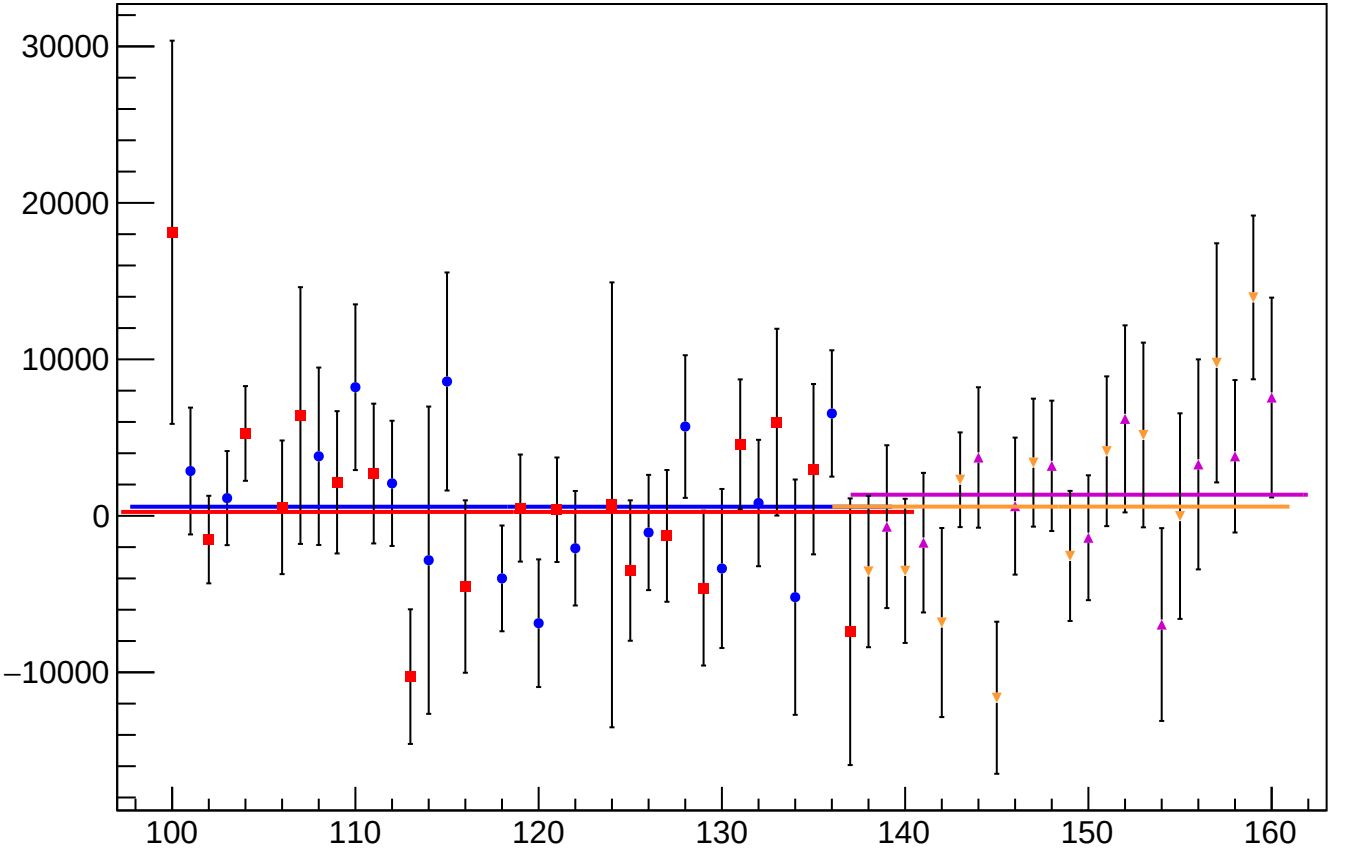
Left In: 1928.837+/-0.441 χ^2/NDF:16479.0/10

+ sign 1805.676+/-0.316 χ^2/NDF: 937022.6/27

All: 1822.891+/-0.225 χ^2/NDF: 1271286.8/57

- 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: 589.191+/-1366.457 χ^2/NDF:19.8/11

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

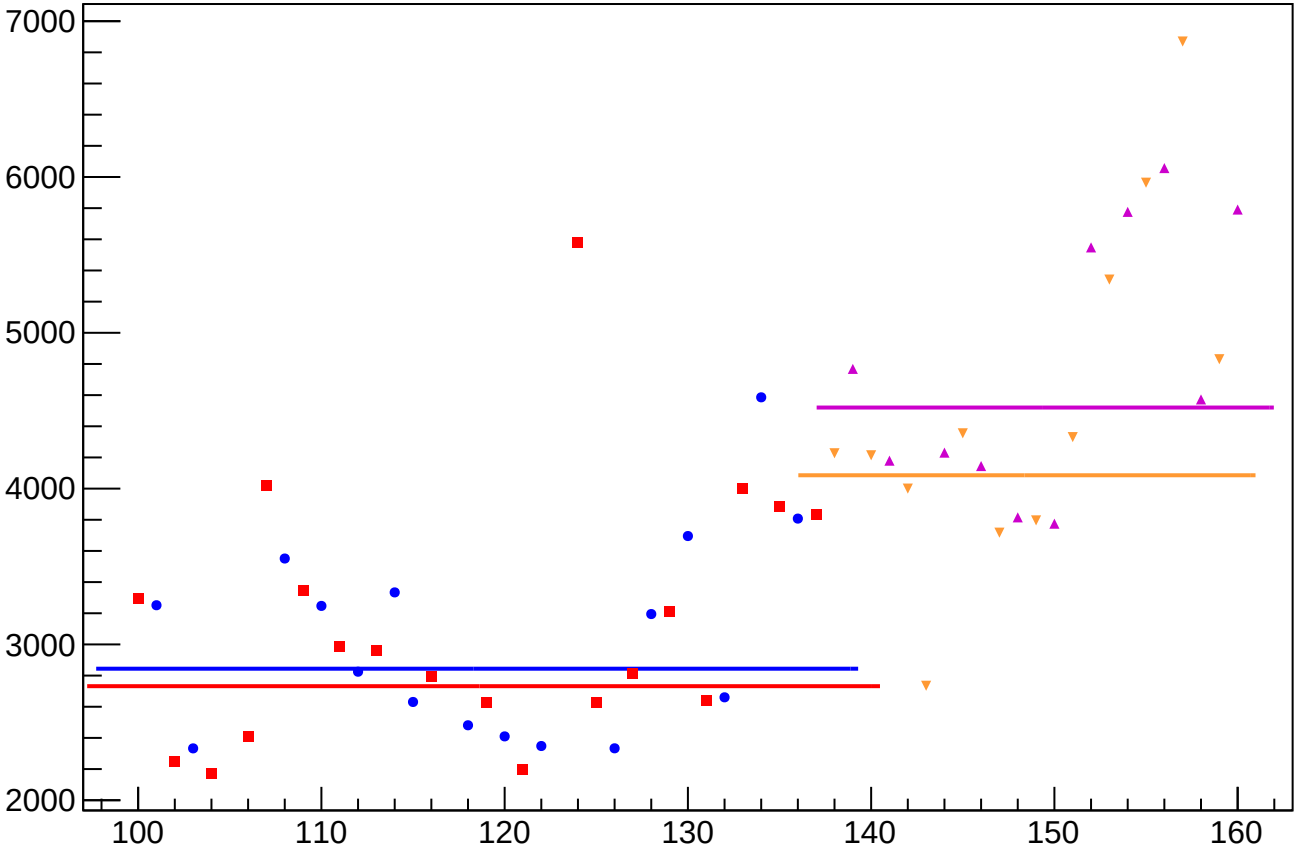
Left In: 1351.038+/-1486.246 χ^2/NDF:5.4/10

+ sign 584.907+/-848.021 χ^2/NDF: 34.7/27

All: 594.108+/-597.345 χ^2/NDF: 58.4/57

- 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: 4085.663+/-0.966 χ^2/NDF:999387.6/11

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

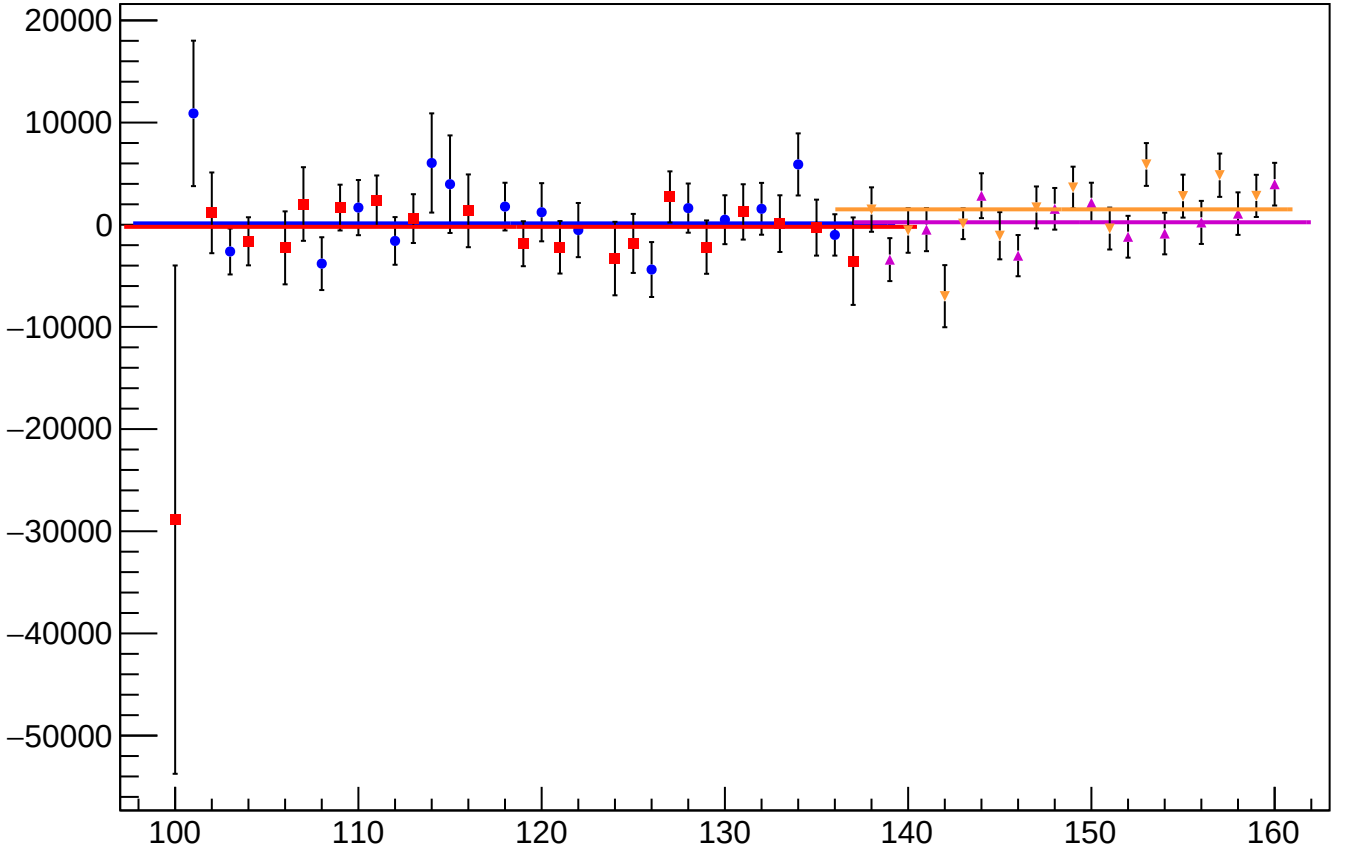
Left In: 4520.320+/-1.051 χ^2/NDF:492946.0/10

+ sign 3322.310+/-0.600 χ^2/NDF: 2556531.5/27

All: 3313.770+/-0.422 χ^2/NDF: 5628416.7/57

- 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: 1506.523+/-599.640 χ^2/NDF:20.4/11

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

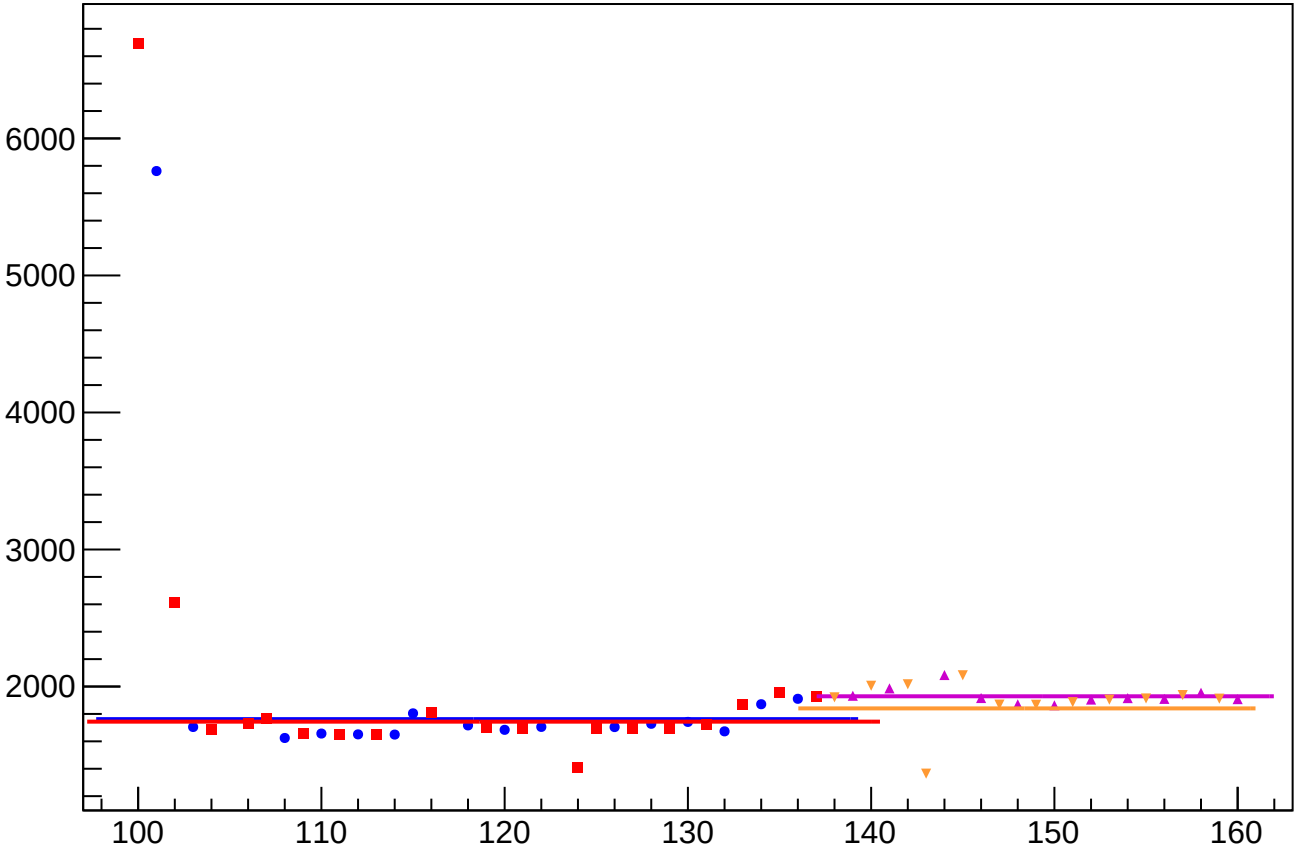
Left In: 243.062+/-624.160 χ^2/NDF:12.6/10

\+ sign 897.655+/-447.301 χ^2/NDF: 40.0/27

All: 467.769+/-317.825 χ^2/NDF: 64.5/57

\- 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: 1840.451+/-0.424 χ^2/NDF:254163.2/11

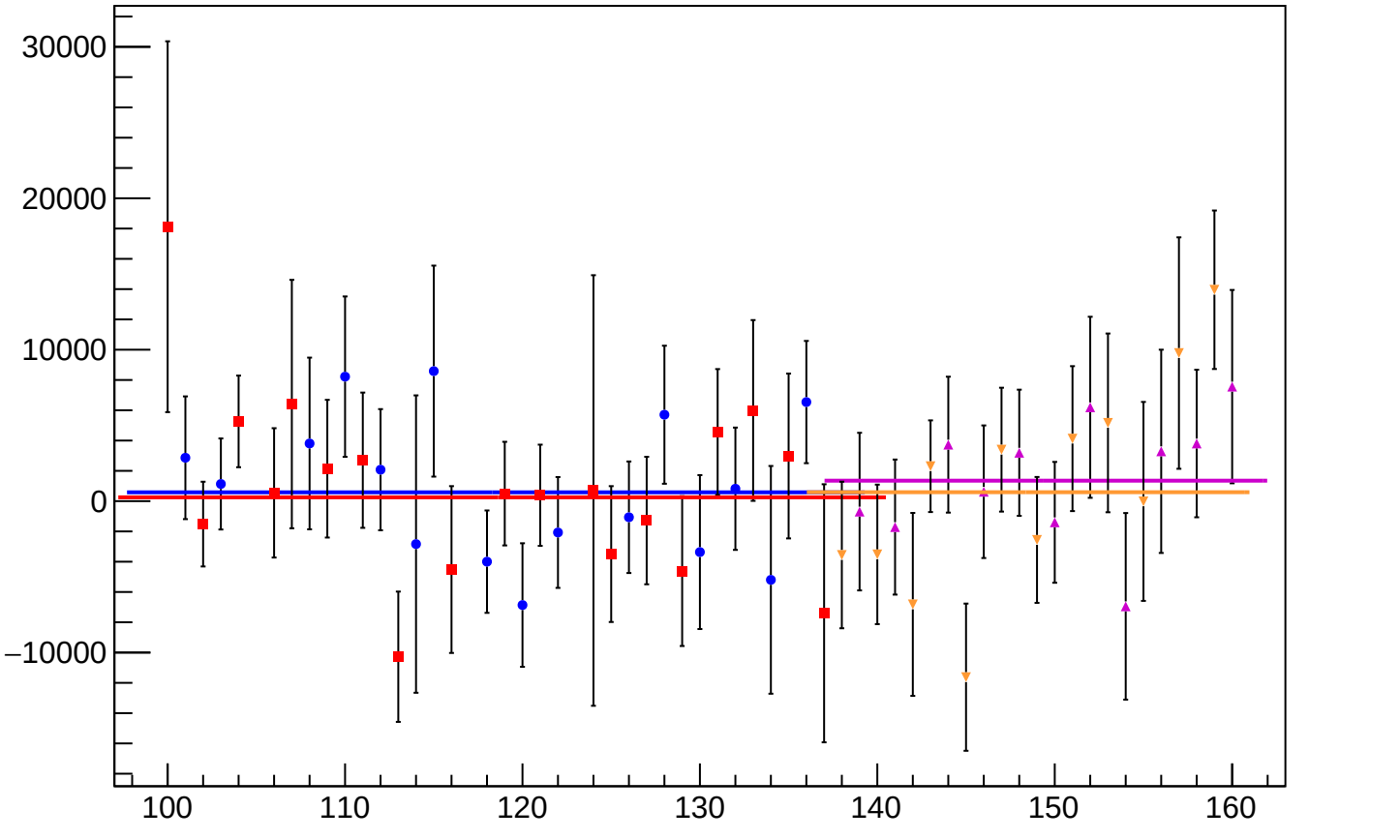
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1928.838+/-0.441 χ^2/NDF:16479.2/10

+ sign 1805.676+/-0.316 χ^2/NDF: 937024.2/27

All: 1822.891+/-0.225 χ^2/NDF: 1271289.6/57

- 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: 589.195+/-1366.459 χ^2/NDF:19.8/11

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

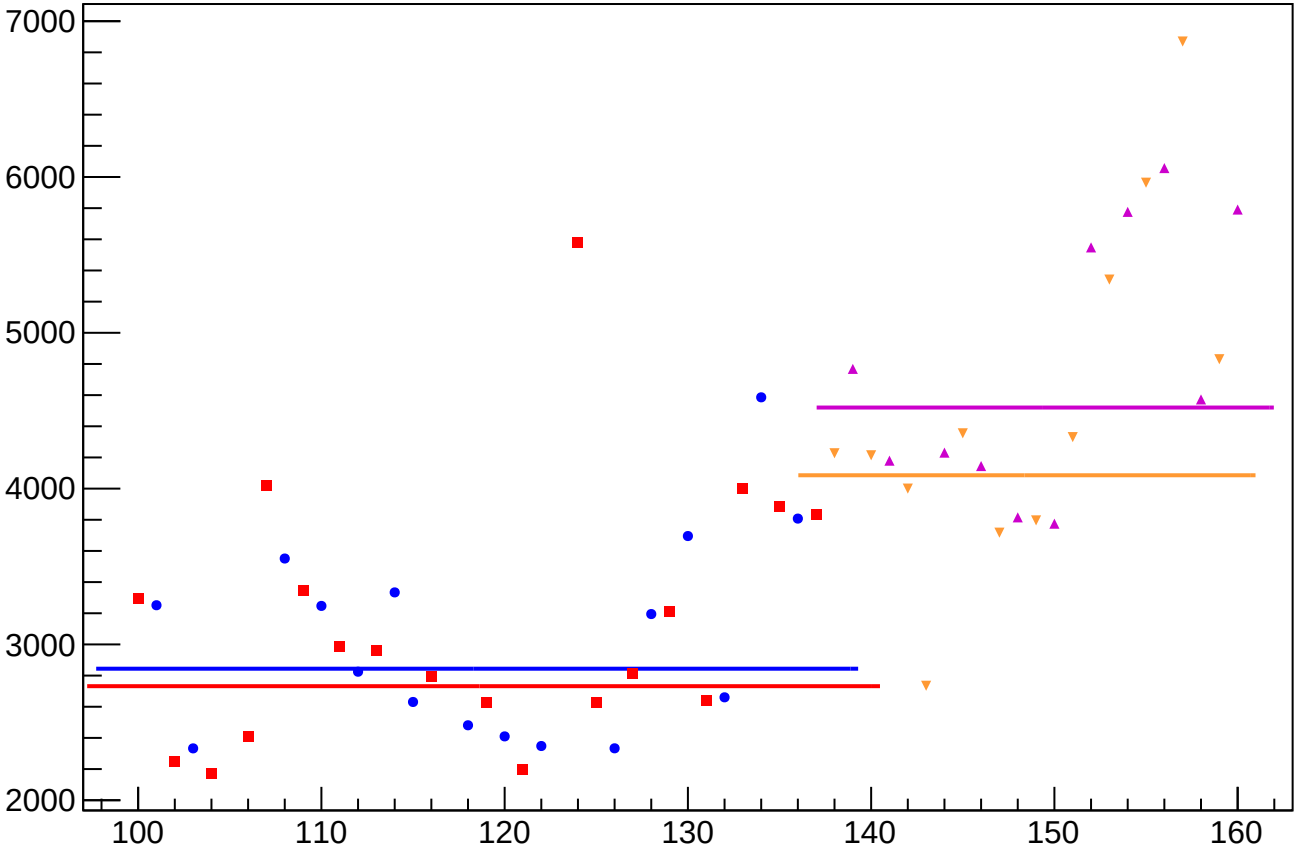
Left In: 1351.040+/-1486.248 χ^2/NDF:5.4/10

+ sign 584.905+/-848.020 χ^2/NDF: 34.7/27

All: 594.107+/-597.344 χ^2/NDF: 58.4/57

- 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: 4085.667+/-0.966 χ^2/NDF:999393.0/11

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

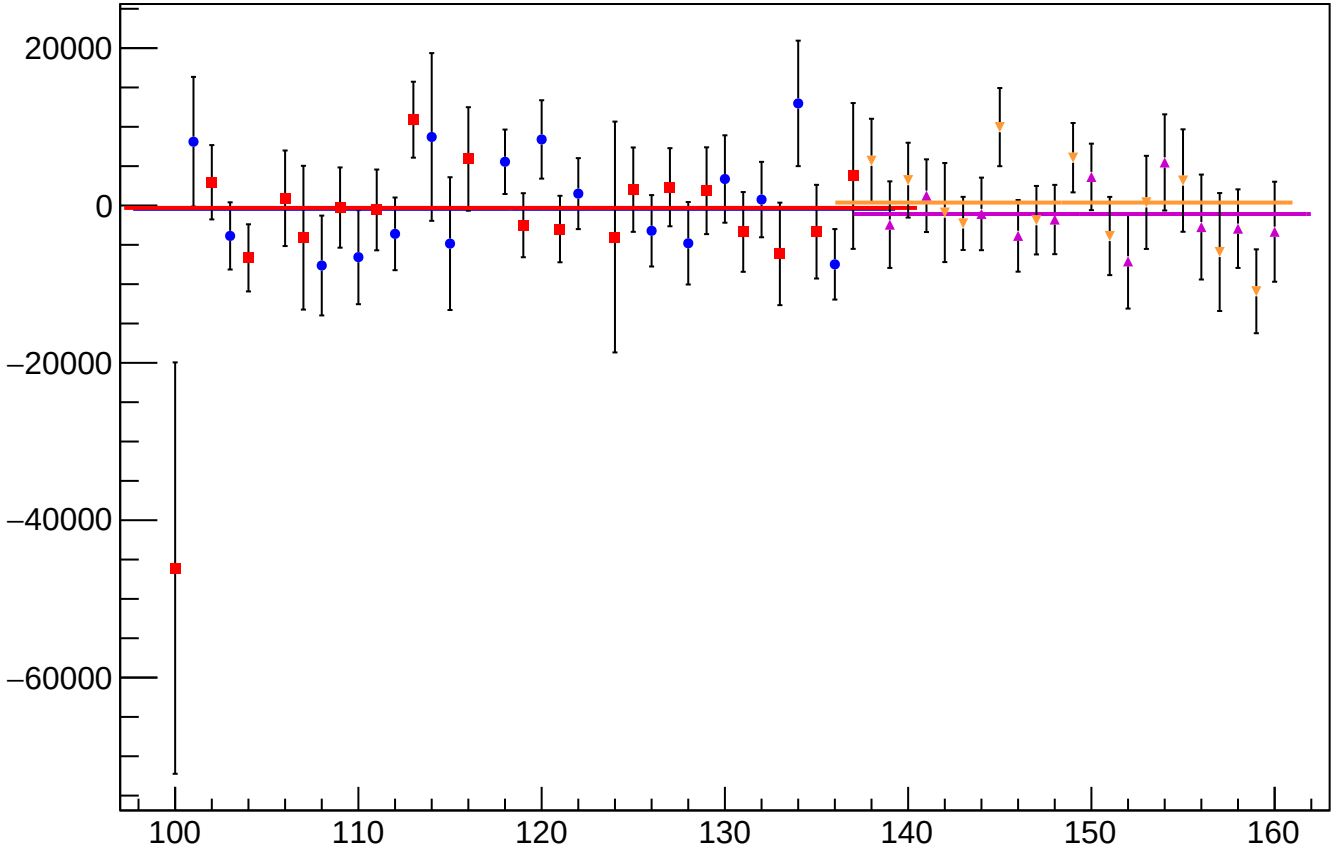
Left In: 4520.326+/-1.051 χ^2/NDF:492948.5/10

+ sign 3322.305+/-0.600 χ^2/NDF: 2556560.7/27

All: 3313.765+/-0.422 χ^2/NDF: 5628470.2/57

- 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: 369.349+/-1439.336 χ^2/NDF:13.8/11

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

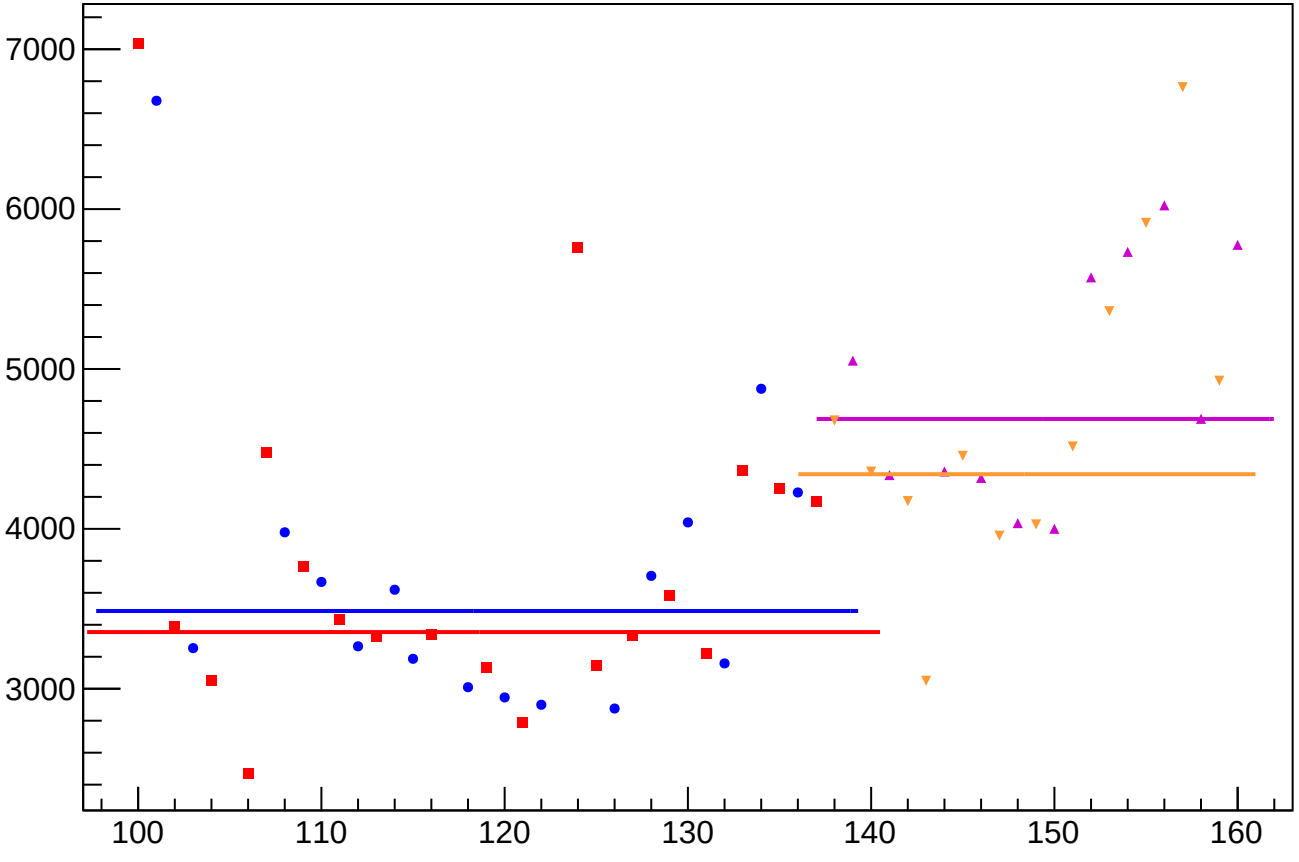
Left In: -1083.131+/-1534.791 χ^2/NDF:4.4/10

+ sign -58.943+/-975.733 χ^2/NDF: 31.8/27

All: -340.236+/-691.824 χ^2/NDF: 51.9/57

- 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: 4341.803+/-1.018 χ^2/NDF:740194.1/11

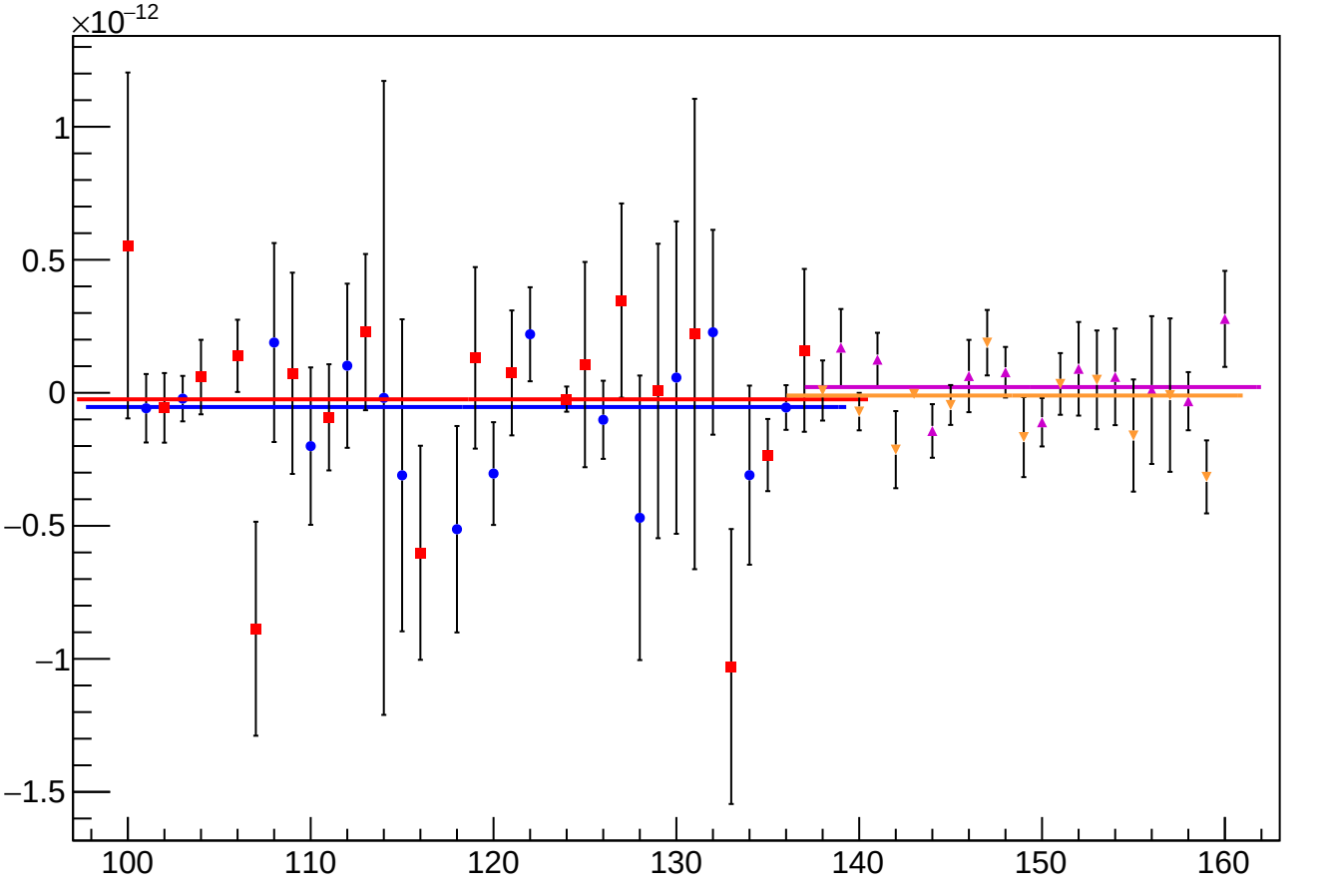
Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4687.354+/-1.085 χ^2/NDF:381231.0/10

+ sign 3879.378+/-0.690 χ^2/NDF: 1717960.8/27

All: 3884.723+/-0.487 χ^2/NDF: 3378076.5/57

- sign 3890.036+/-0.688 χ^2/NDF: 1659996.1/29



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

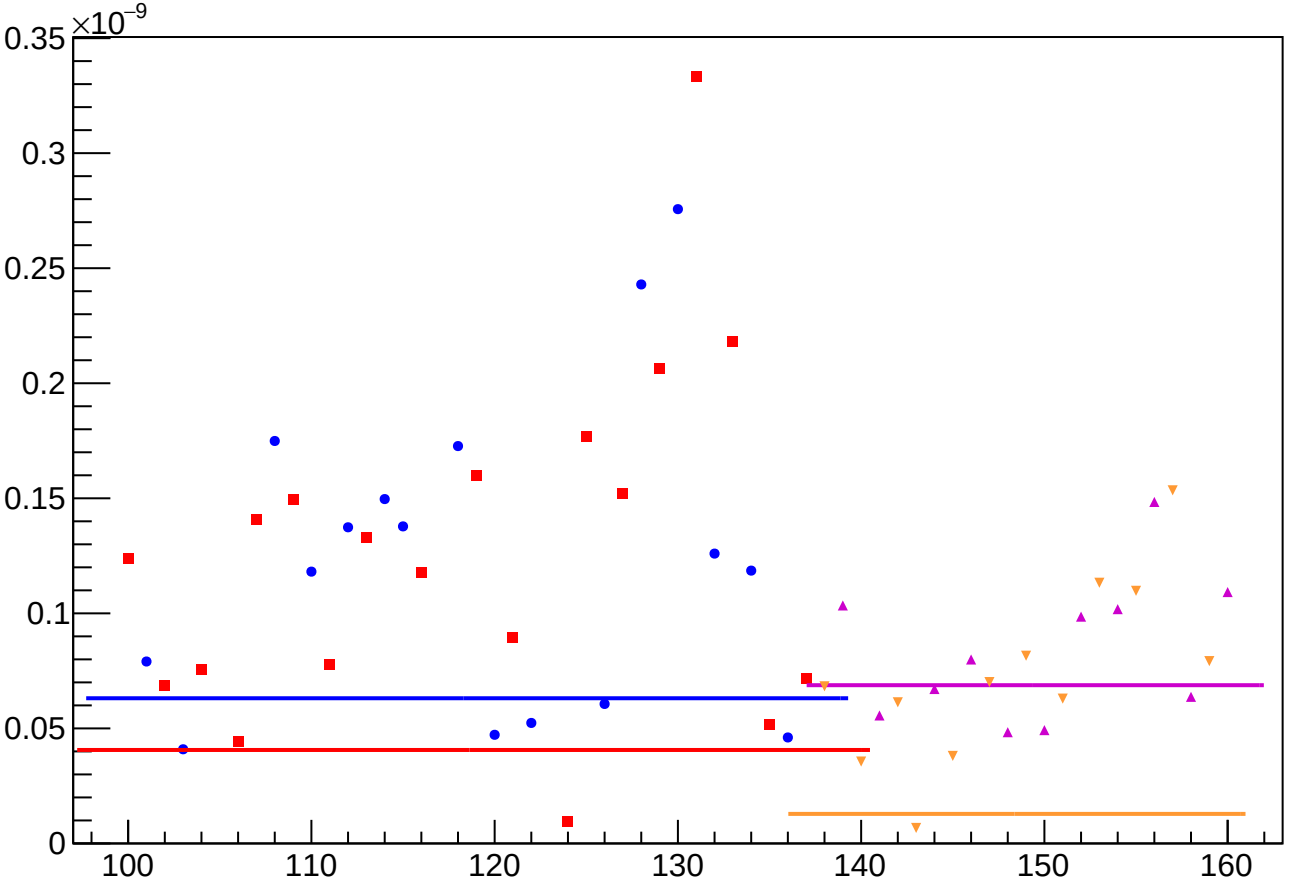
Left In: 0.000+/-0.000 χ^2/NDF:9.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 22.0/27

All: -0.000+/-0.000 χ^2/NDF: 51.1/57

- 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:4765190.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

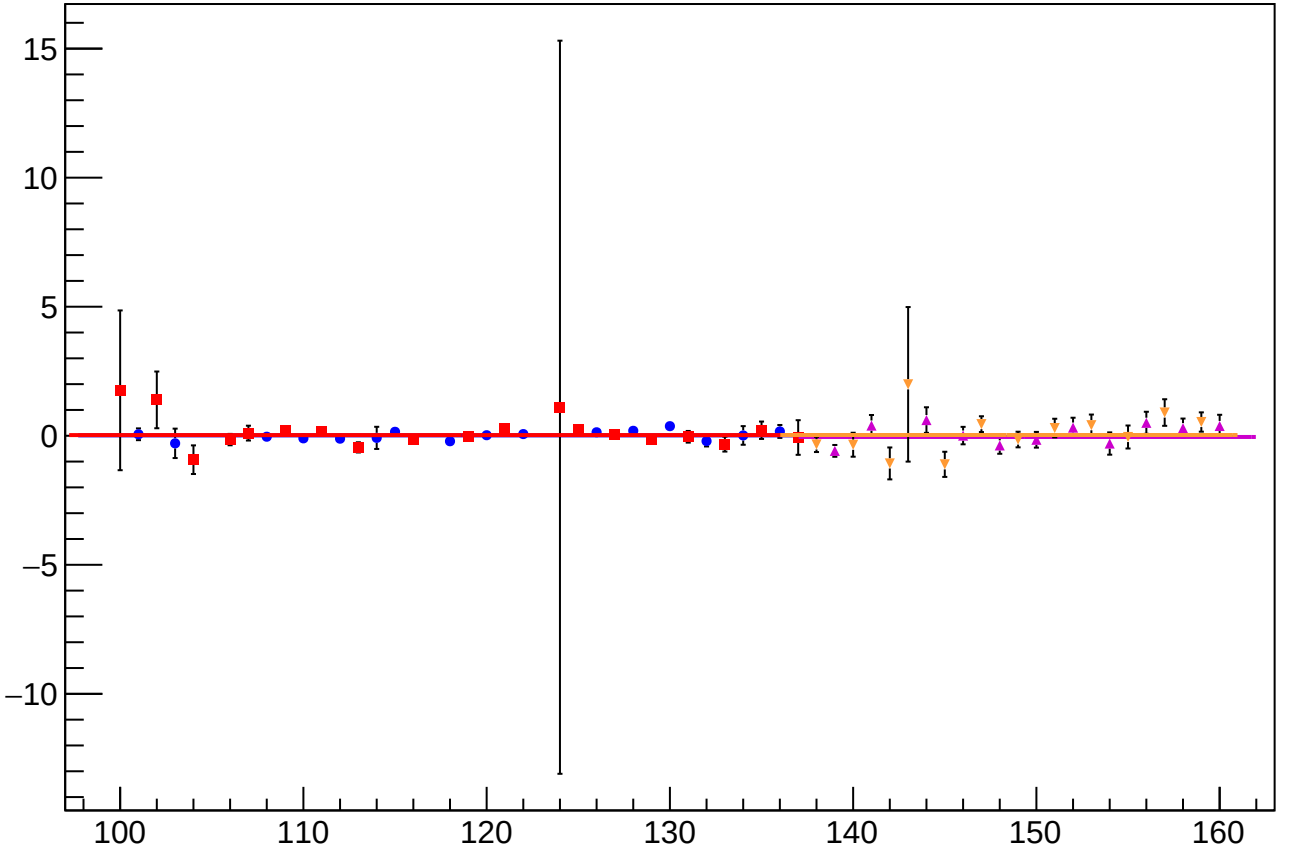
Left In: 0.000+/-0.000 χ^2/NDF:739349.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 8575836.9/27

All: 0.000+/-0.000 χ^2/NDF: 16640706.7/57

- 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: 0.029+/-0.116 χ^2/NDF:19.6/11

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

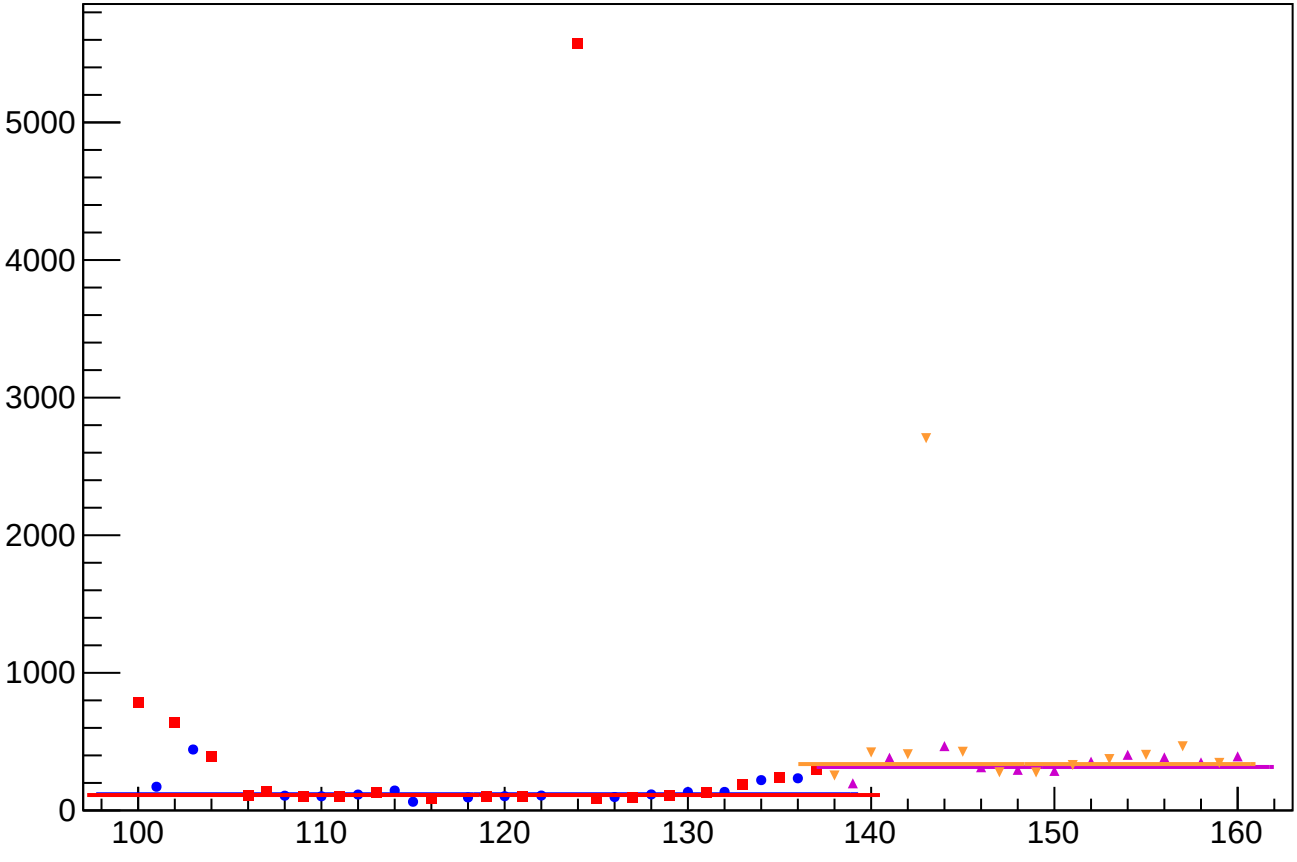
Left In: -0.047+/-0.106 χ^2/NDF:14.3/10

+ sign 0.017+/-0.044 χ^2/NDF: 31.4/27

All: 0.016+/-0.031 χ^2/NDF: 68.2/57

- 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: 337.105+/-0.082 χ^2/NDF:1914305.4/11

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

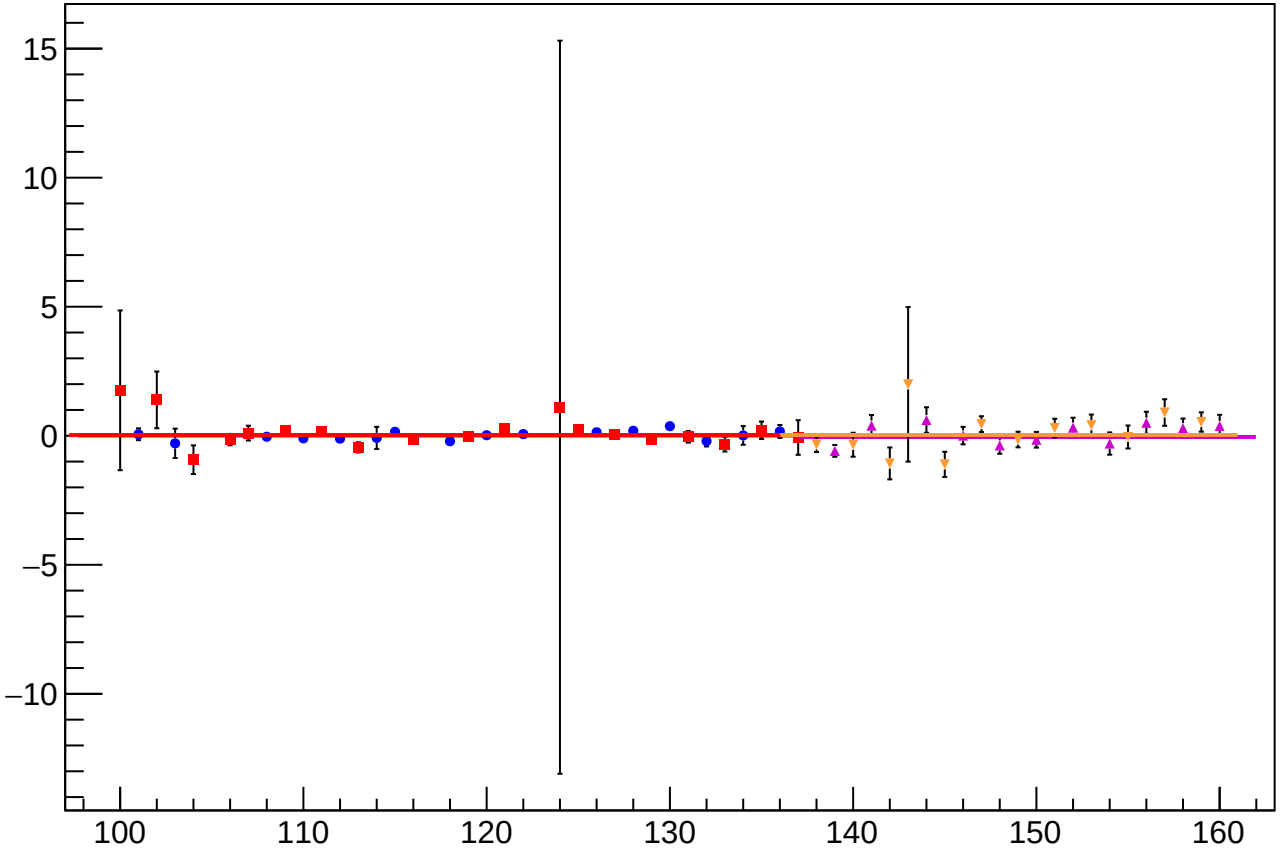
Left In: 316.079+/-0.075 χ^2/NDF:1042796.0/10

+ sign 149.559+/-0.031 χ^2/NDF: 9742663.5/27

All: 147.330+/-0.022 χ^2/NDF: 19138008.3/57

- 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: 0.029+/-0.116 χ^2/NDF:19.6/11

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

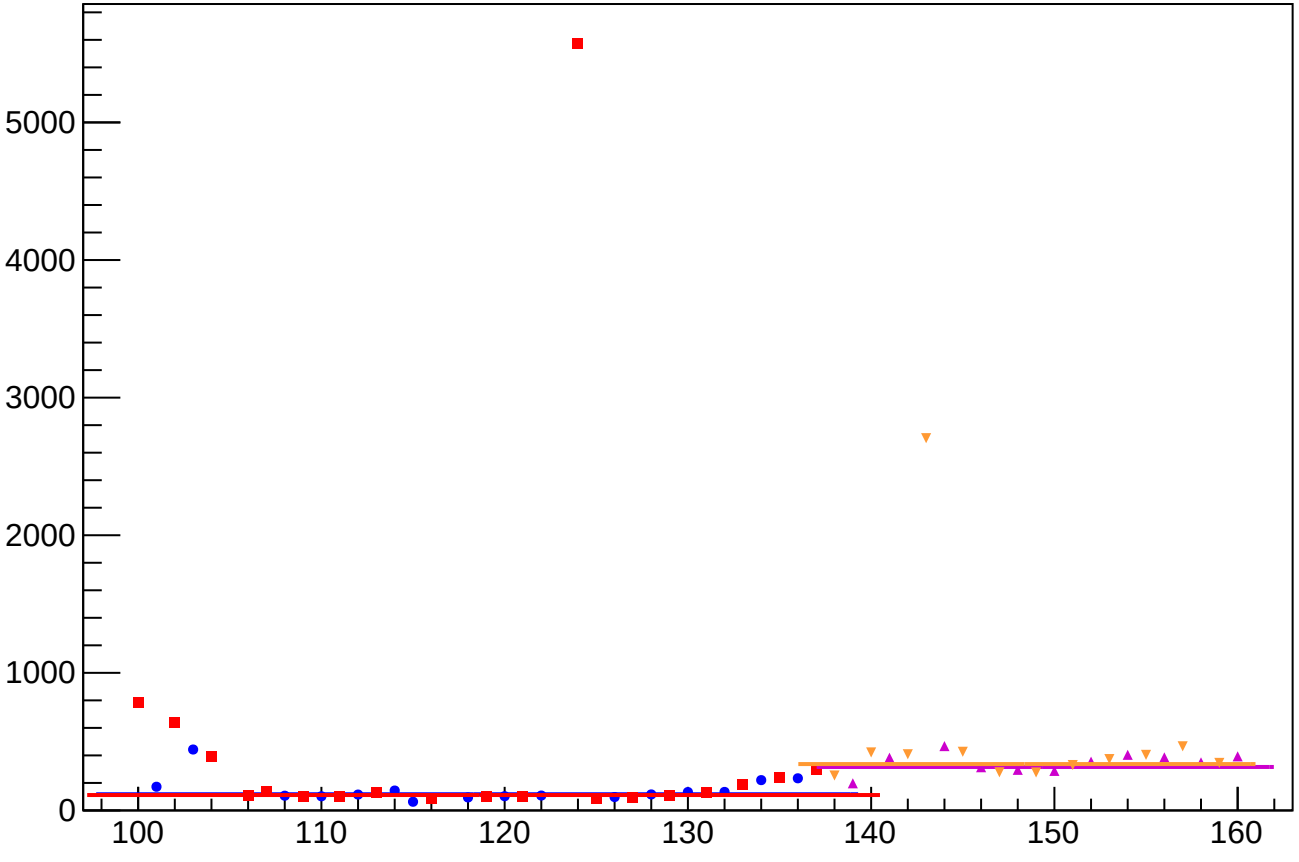
Left In: -0.047+/-0.106 χ^2/NDF:14.3/10

+ sign 0.017+/-0.044 χ^2/NDF: 31.4/27

All: 0.016+/-0.031 χ^2/NDF: 68.2/57

- 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: 337.105+/-0.082 χ^2/NDF:1914305.4/11

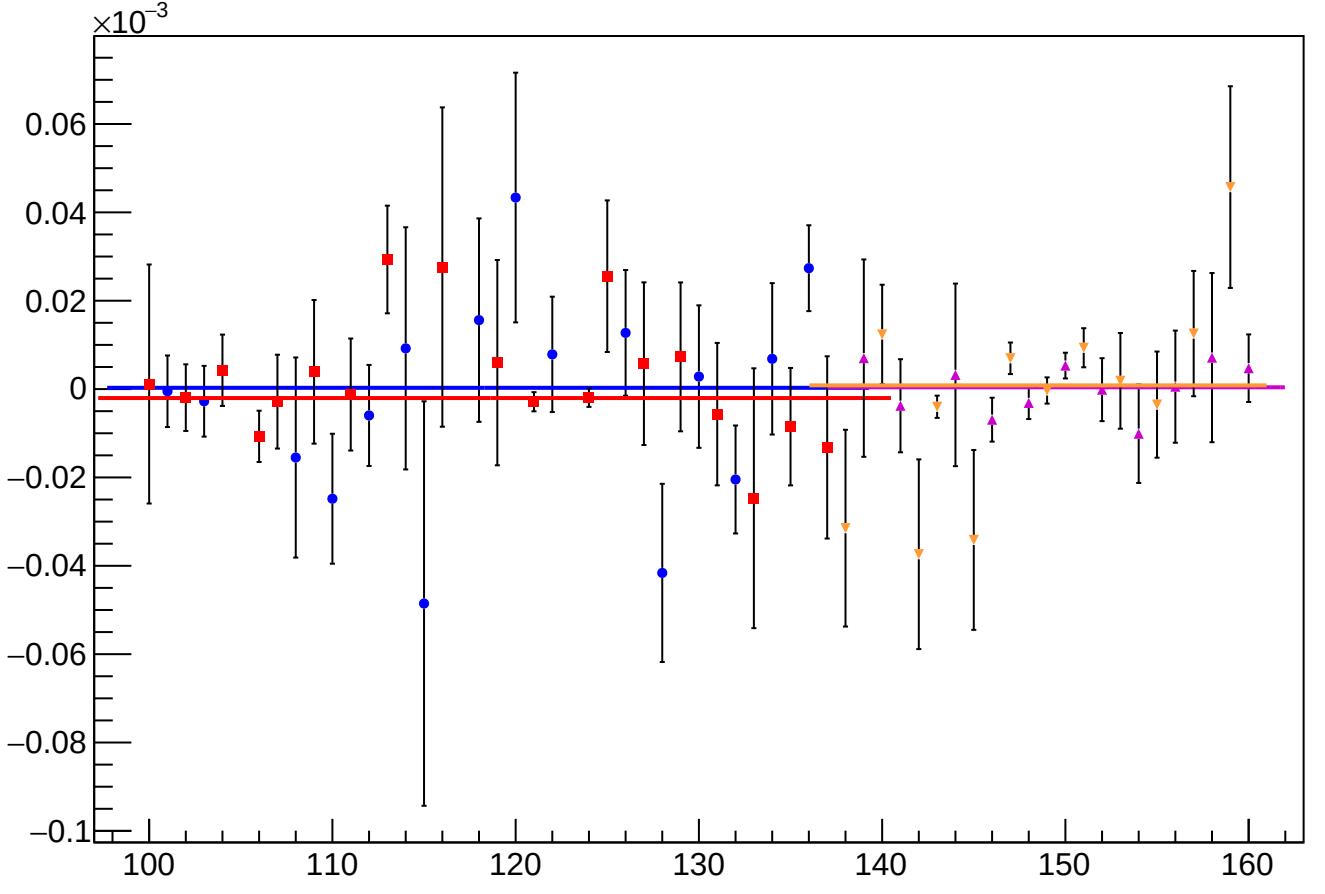
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 316.079+/-0.075 χ^2/NDF:1042796.0/10

+ sign 149.559+/-0.031 χ^2/NDF: 9742663.5/27

All: 147.330+/-0.022 χ^2/NDF: 19138008.3/57

- 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:24.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

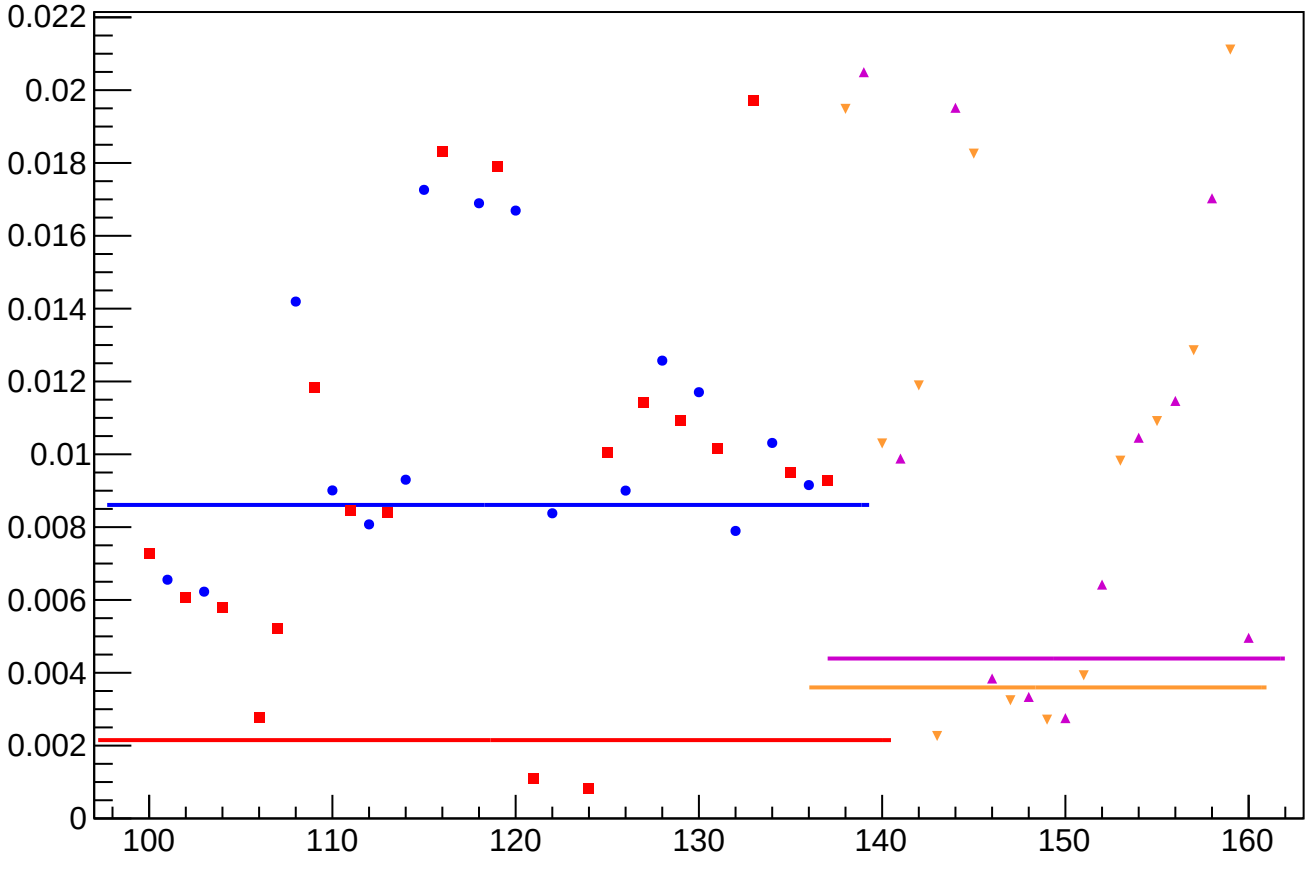
Left In: 0.000+/-0.000 χ^2/NDF:7.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 48.6/27

All: -0.000+/-0.000 χ^2/NDF: 73.3/57

- sign -0.000+/-0.000 χ^2/NDF: 23.5/29

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:7264890.1/11

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

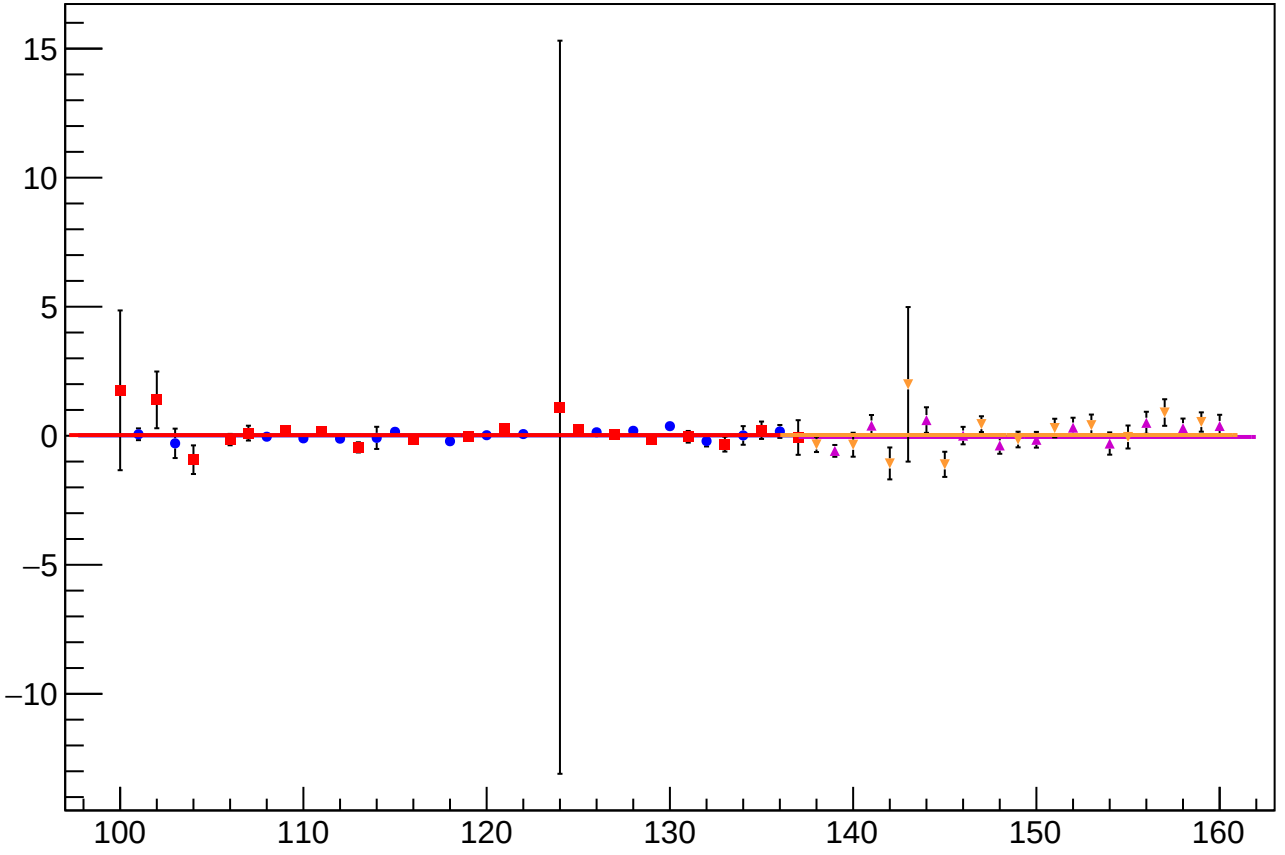
Left In: 0.004+/-0.000 χ^2/NDF:5734702.3/10

+ sign 0.004+/-0.000 χ^2/NDF: 12053272.9/27

All: 0.004+/-0.000 χ^2/NDF: 30307489.8/57

- 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: 0.029+/-0.116 χ^2/NDF:19.6/11

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

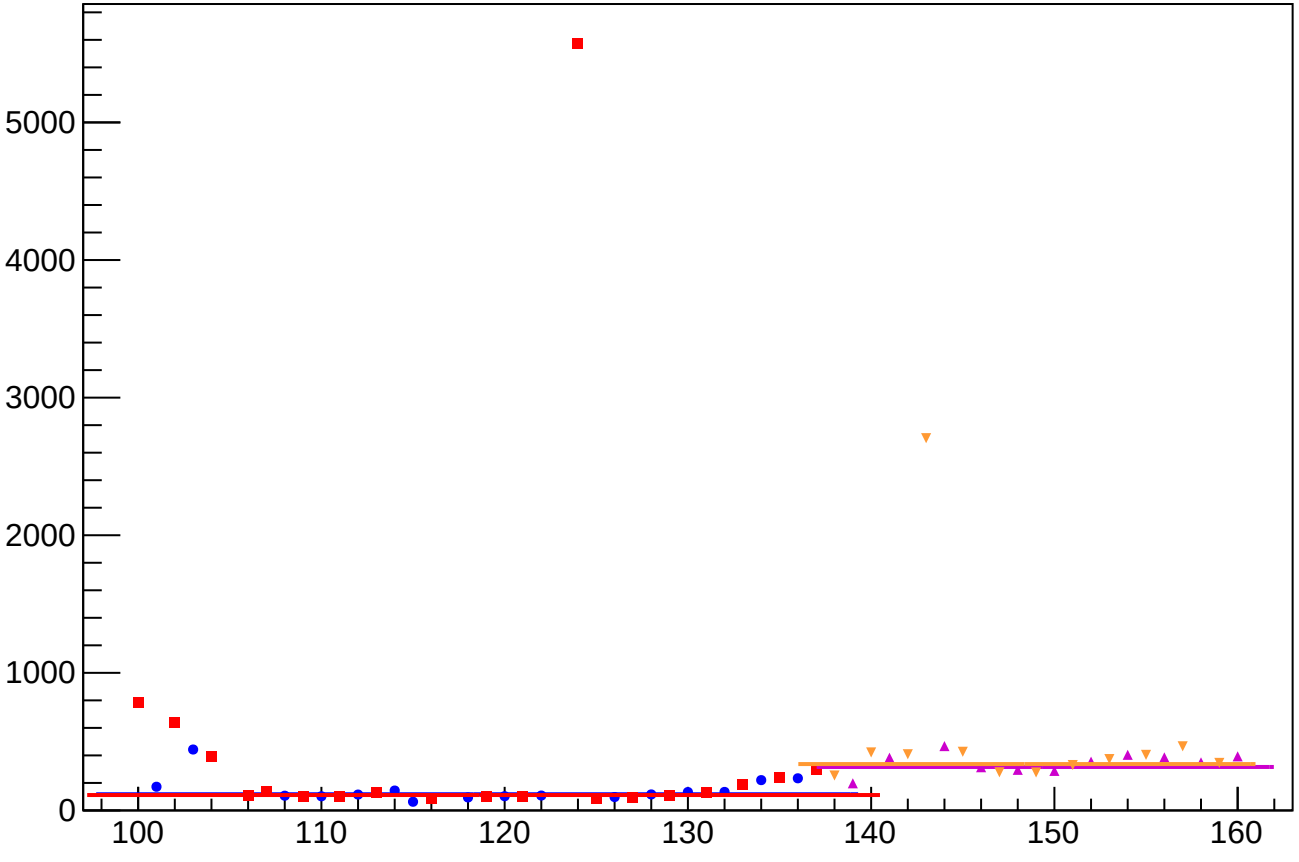
Left In: -0.047+/-0.106 χ^2/NDF:14.3/10

\+ sign 0.017+/-0.044 χ^2/NDF: 31.4/27

All: 0.016+/-0.031 χ^2/NDF: 68.2/57

\- 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: 337.108+/-0.082 χ^2/NDF:1914350.0/11

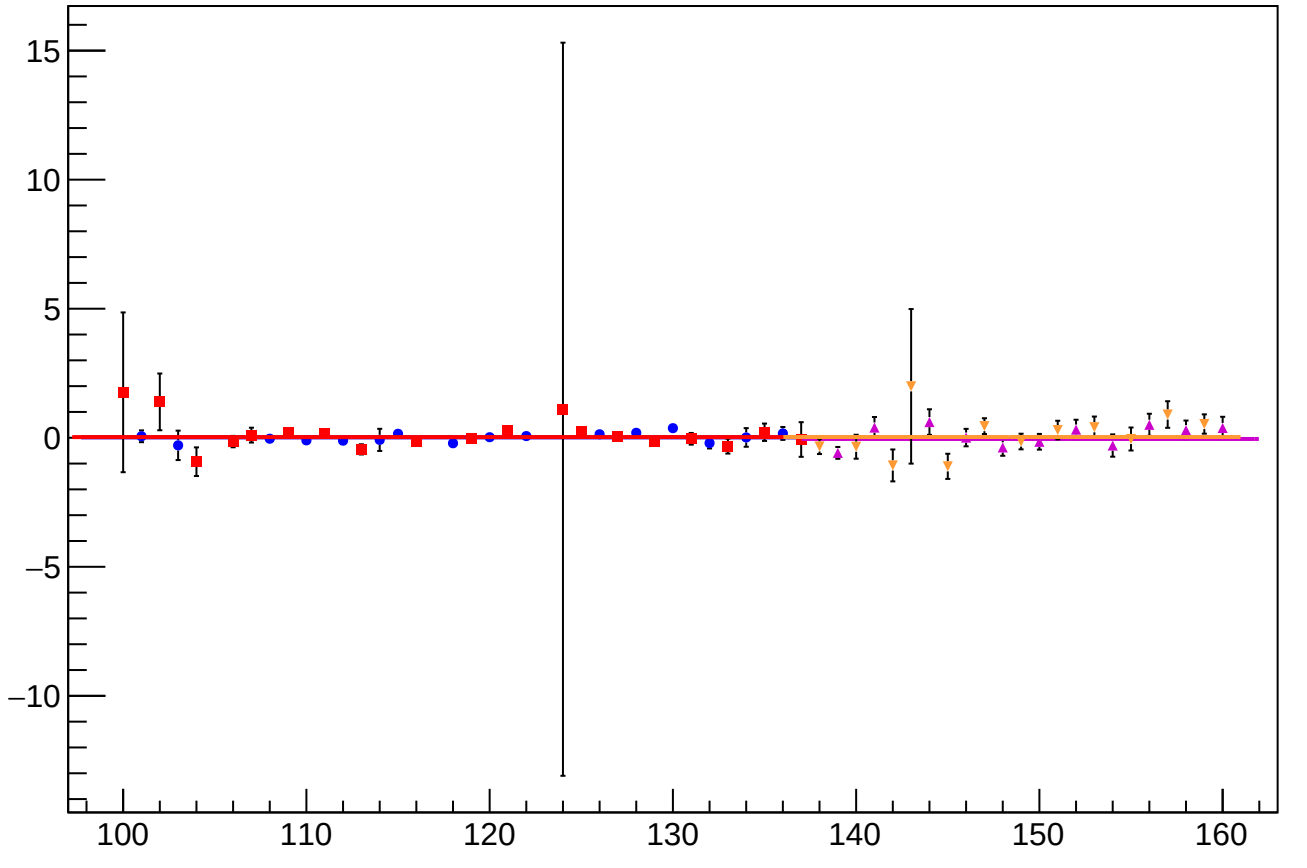
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 316.084+/-0.075 χ^2/NDF:1042797.2/10

+ sign 149.559+/-0.031 χ^2/NDF: 9742749.2/27

All: 147.331+/-0.022 χ^2/NDF: 19138012.1/57

- 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: 0.029+/-0.116 χ^2/NDF:19.6/11

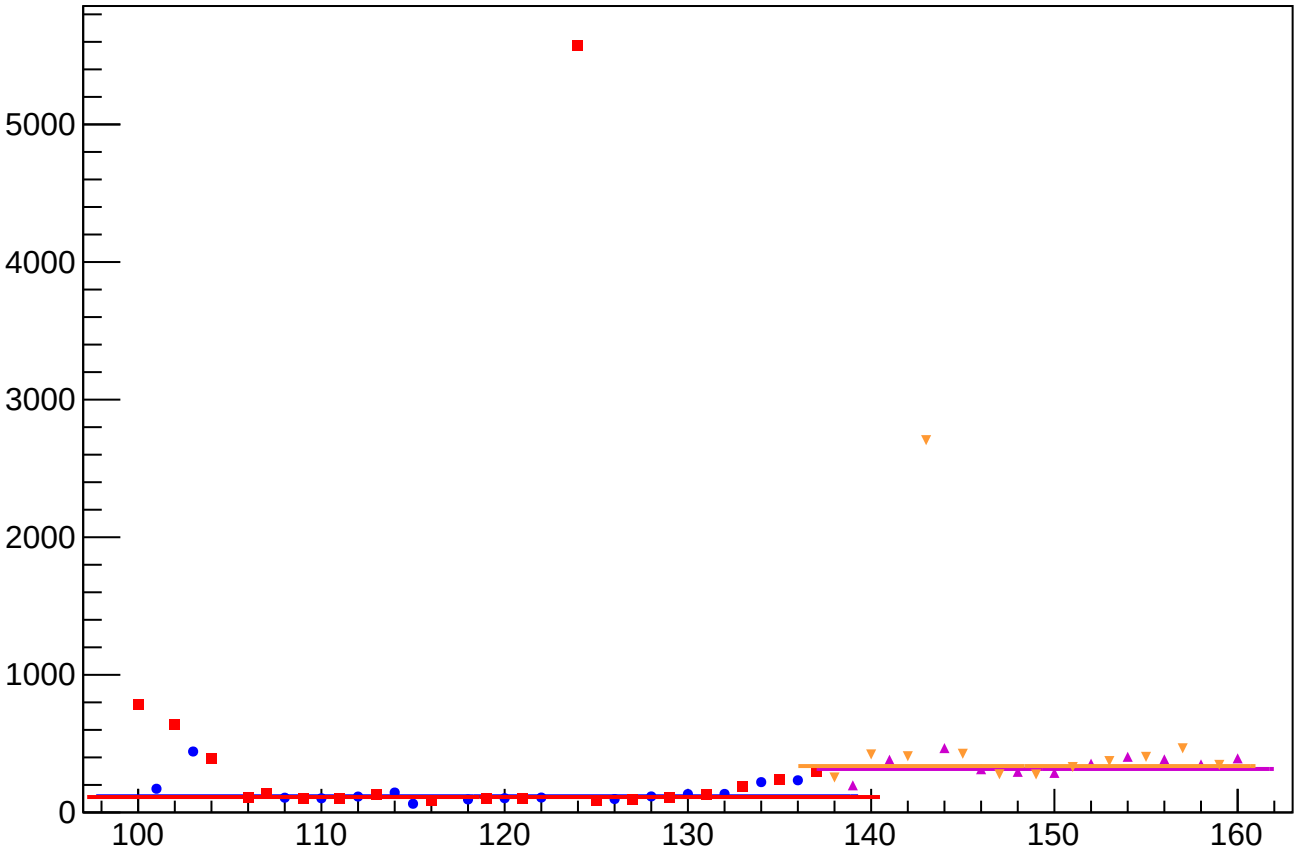
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.047+/-0.106 χ^2/NDF:14.3/10

+ sign 0.017+/-0.044 χ^2/NDF: 31.4/27

All: 0.016+/-0.031 χ^2/NDF: 68.2/57

- 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: 337.108+/-0.082 χ^2/NDF:1914350.0/11

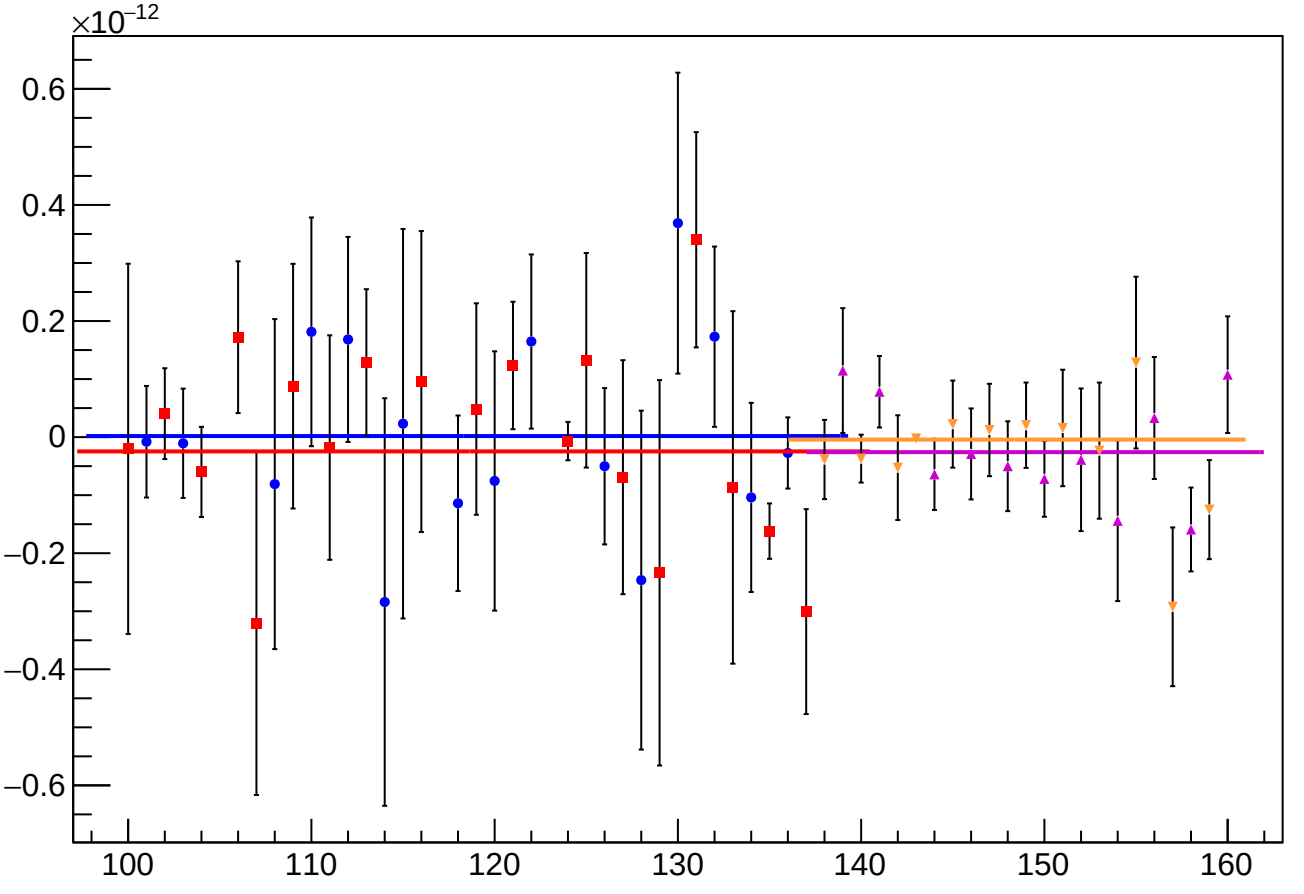
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 316.084+/-0.075 χ^2/NDF:1042797.2/10

+ sign 149.559+/-0.031 χ^2/NDF: 9742749.2/27

All: 147.331+/-0.022 χ^2/NDF: 19138012.1/57

- sign 145.242+/-0.030 χ^2/NDF: 9385447.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/11

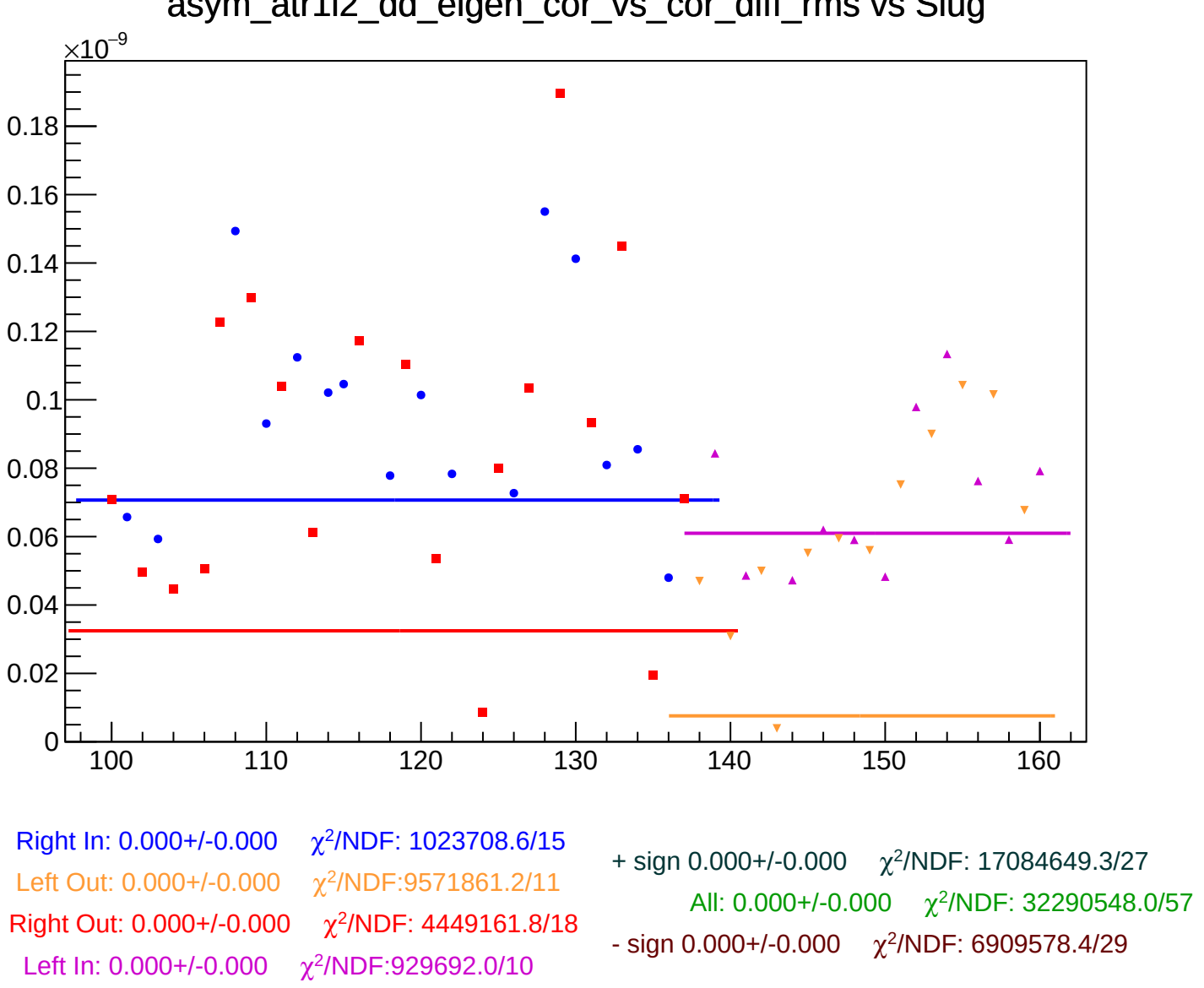
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/10

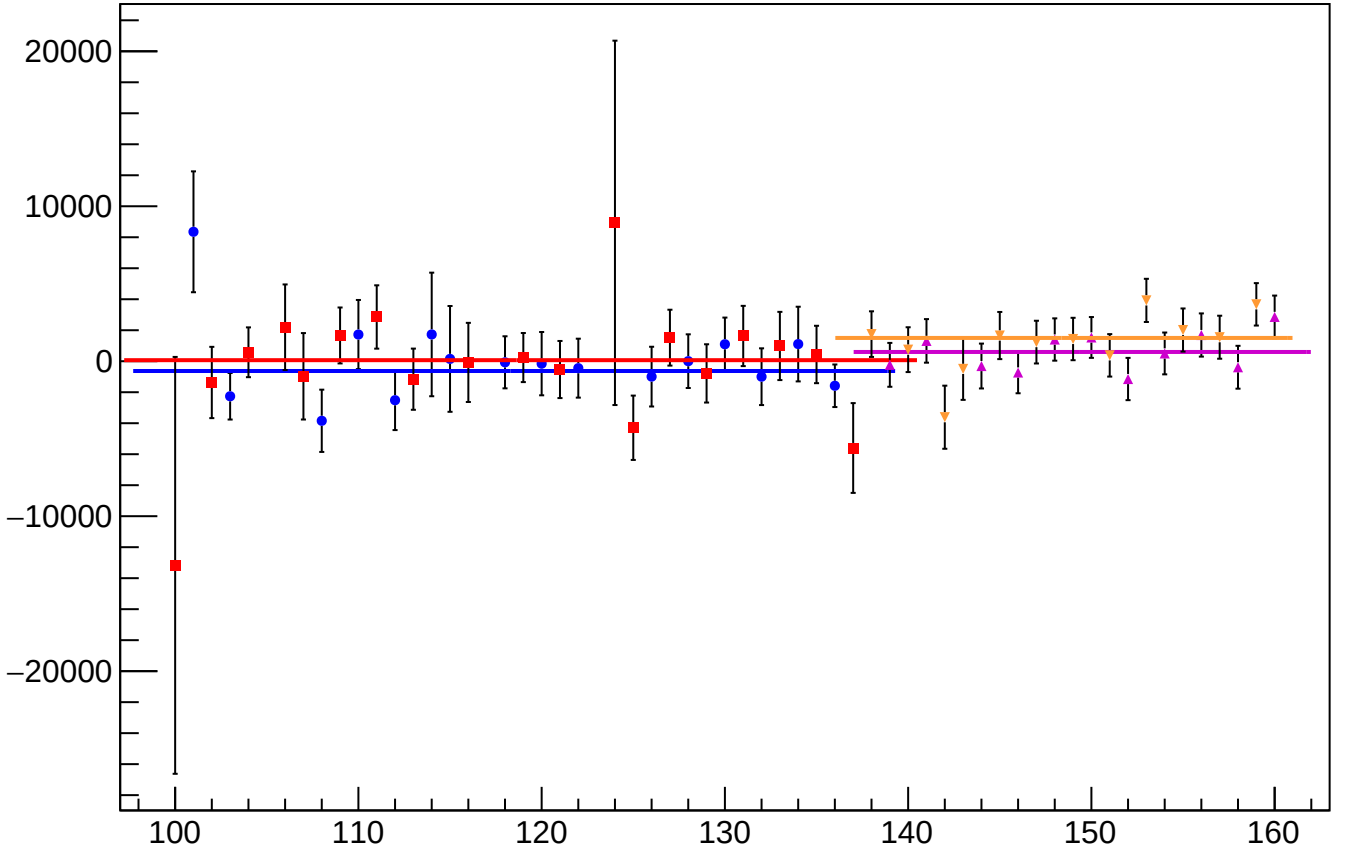
+ sign -0.000+/-0.000 χ^2/NDF: 18.0/27

All: -0.000+/-0.000 χ^2/NDF: 55.5/57

- sign -0.000+/-0.000 χ^2/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:9571861.2/11
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: 17084649.3/27
All: 0.000+/-0.000 χ²/NDF: 32290548.0/57
- 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: 1502.699+/-424.834 χ^2/NDF:14.0/11

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

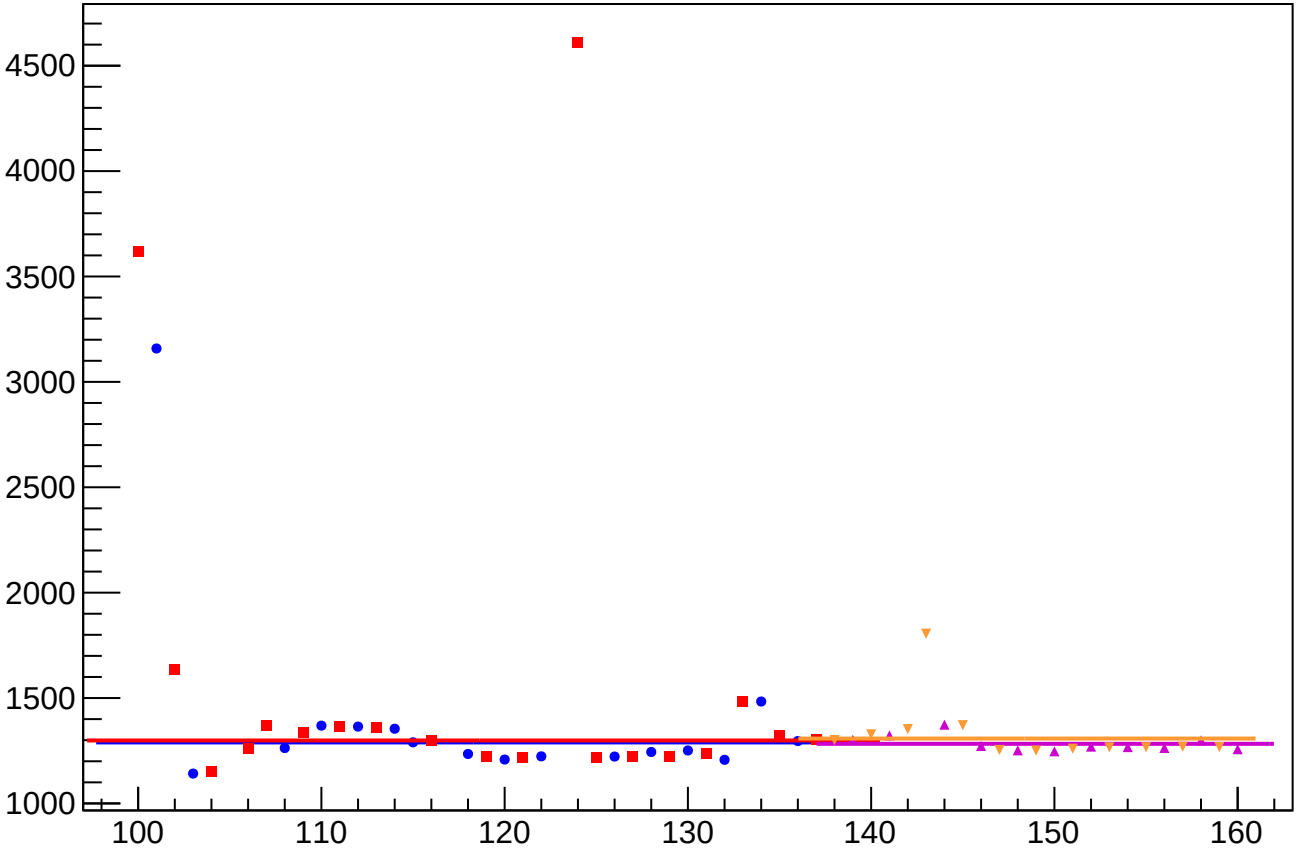
Left In: 597.367+/-415.077 χ^2/NDF:8.3/10

+ sign 584.197+/-320.611 χ^2/NDF: 38.8/27

All: 478.057+/-225.098 χ^2/NDF: 63.8/57

- 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: 1307.827+/-0.300 χ^2/NDF:144665.3/11

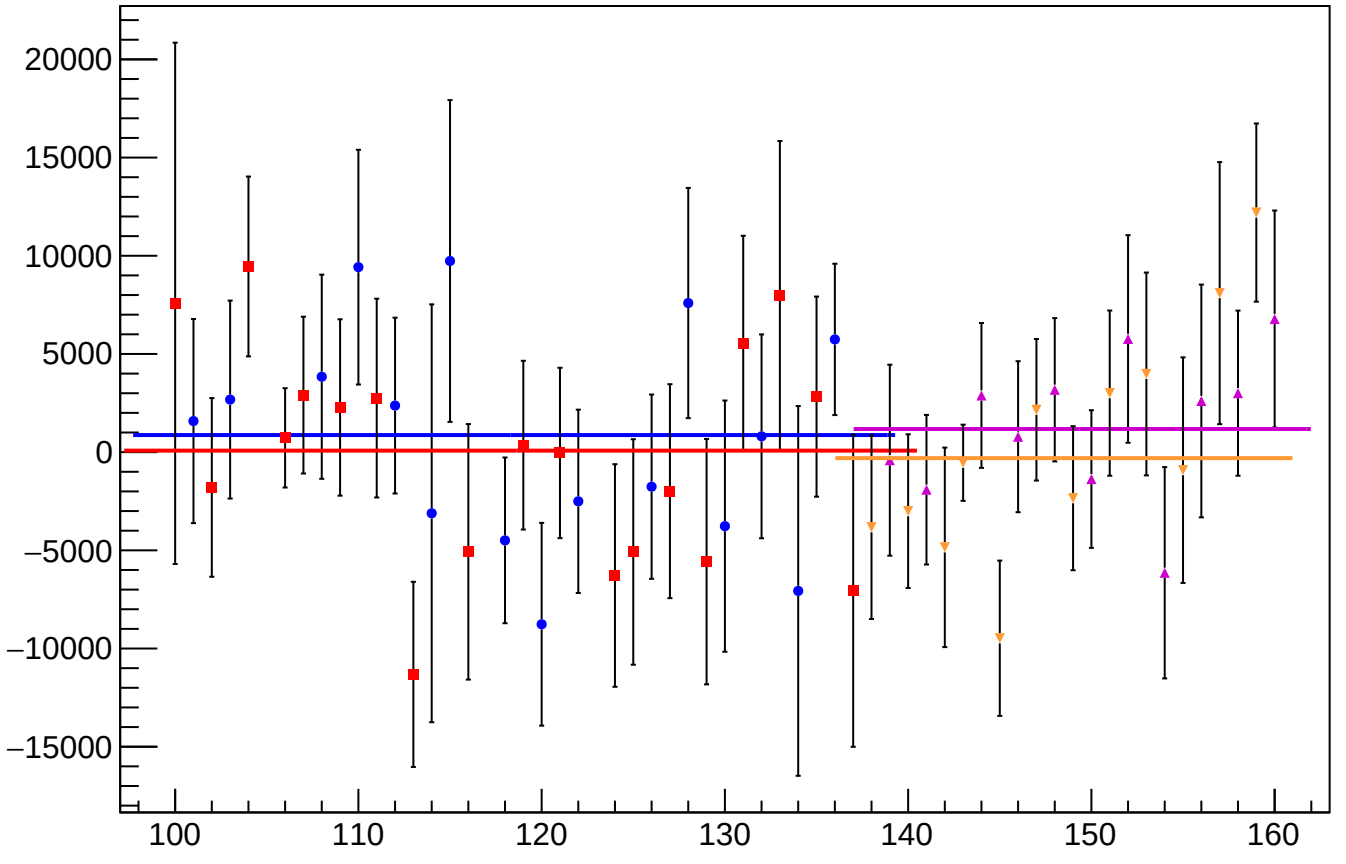
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1299.924+/-0.227 χ^2/NDF: 660948.5/27

All: 1294.642+/-0.159 χ^2/NDF: 996833.4/57

- 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: -303.733+/-1100.139 χ^2/NDF:18.5/11

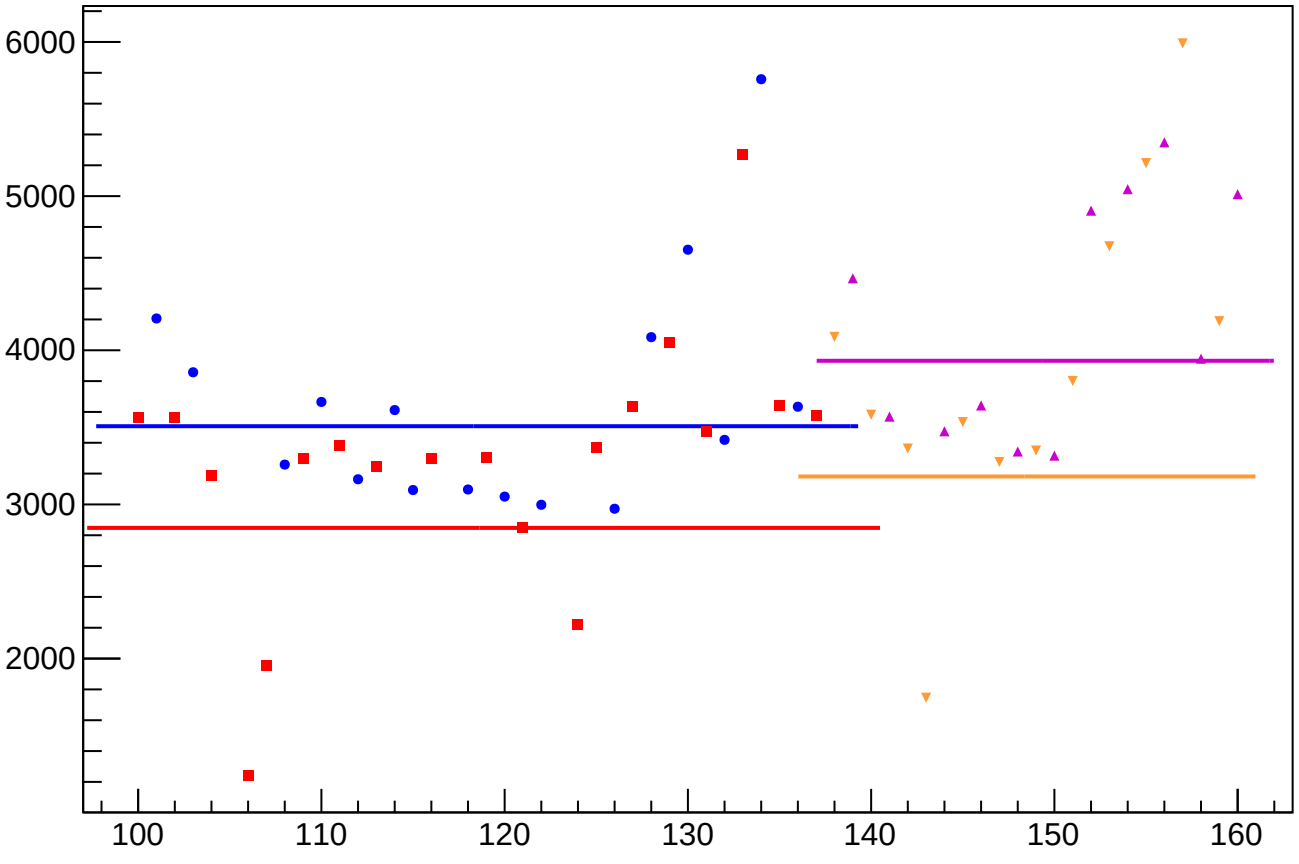
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1178.736+/-1294.234 χ^2/NDF:5.7/10

+ sign 175.233+/-846.487 χ^2/NDF: 33.0/27

All: 360.693+/-597.332 χ^2/NDF: 57.6/57

- 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: 3181.363+/-0.778 χ^2/NDF:2129386.8/11

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

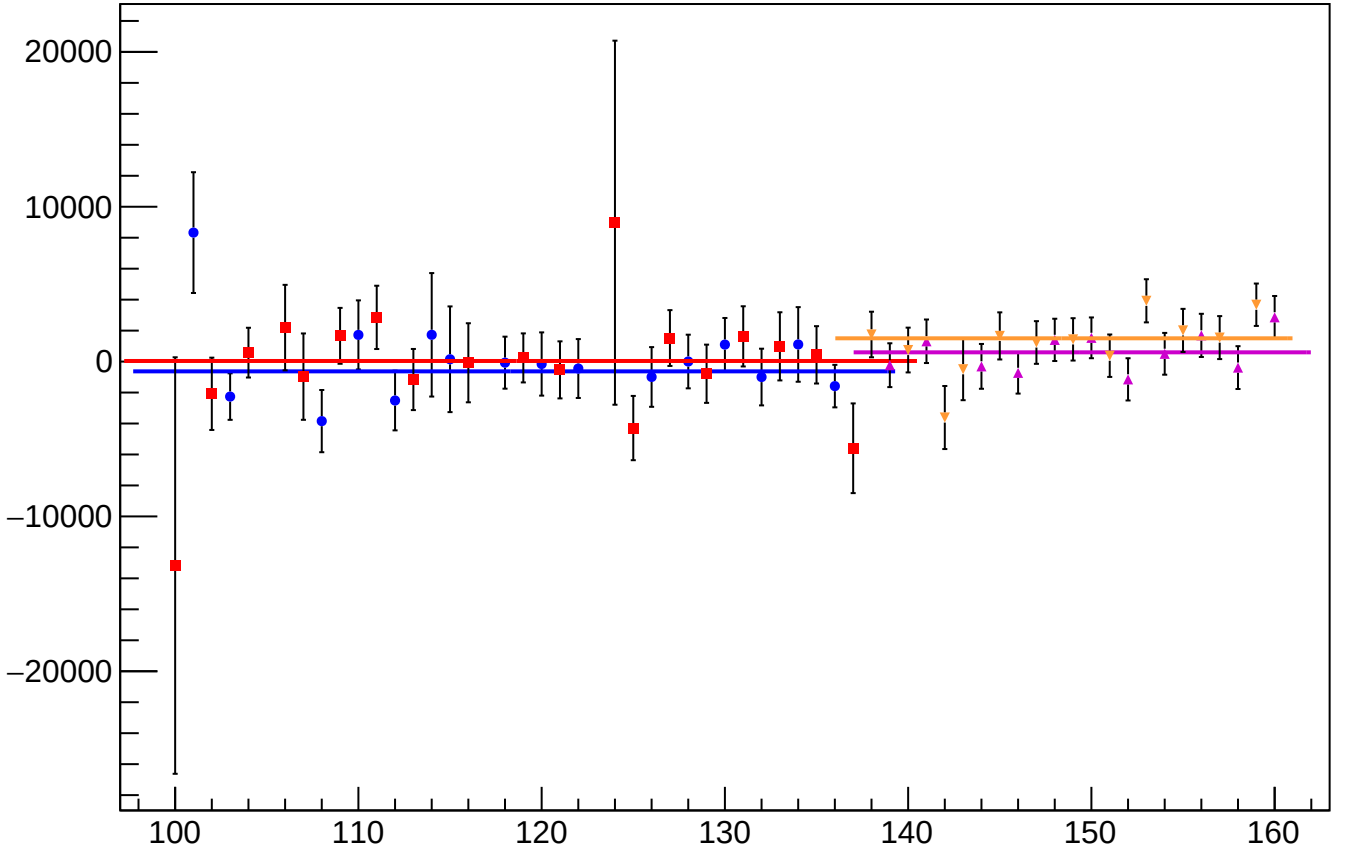
Left In: 3931.901+/-0.915 χ^2/NDF:542555.0/10

+ sign 3314.375+/-0.599 χ^2/NDF: 2555027.4/27

All: 3311.070+/-0.422 χ^2/NDF: 5404847.5/57

- 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: 1502.709+/-424.834 χ^2/NDF:14.0/11

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

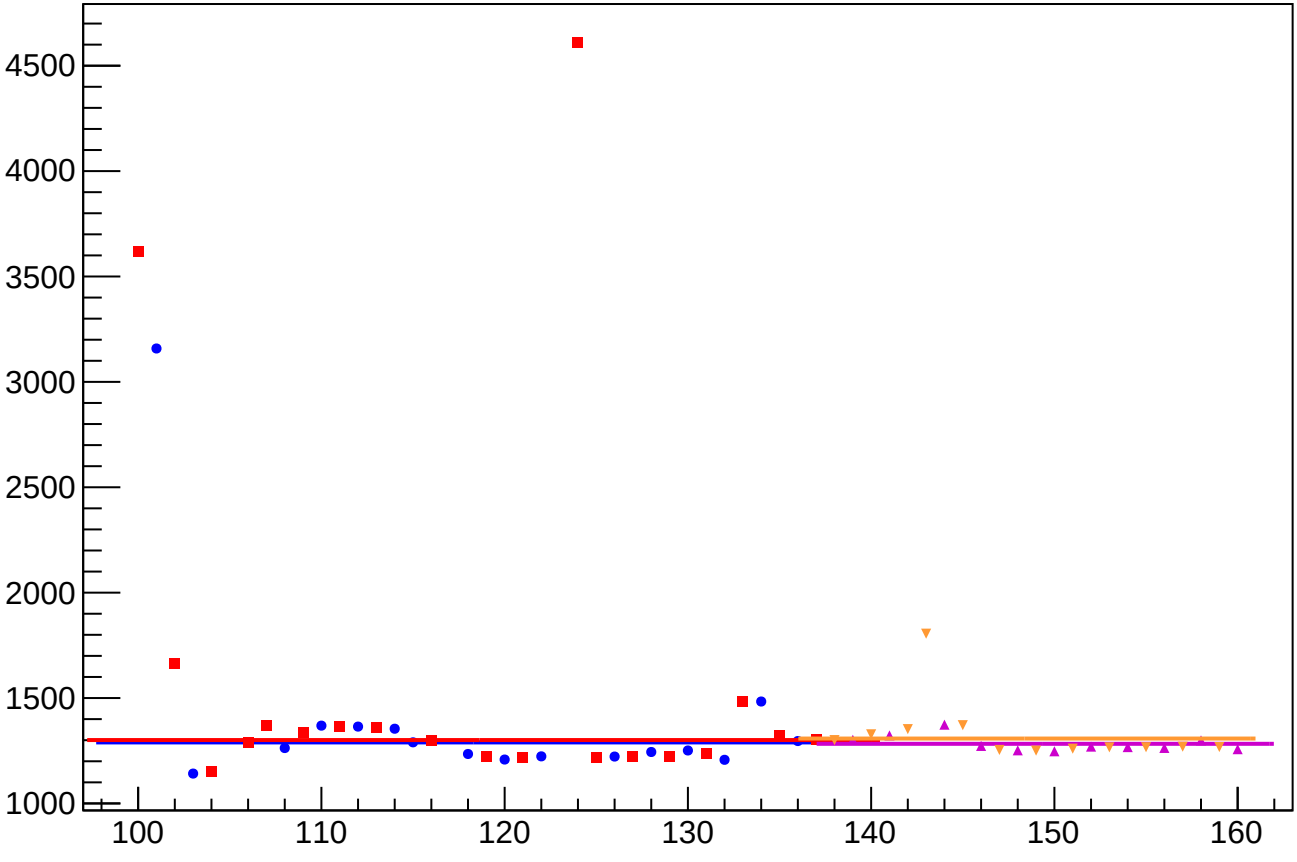
Left In: 597.365+/-415.077 χ^2/NDF:8.3/10

\+ sign 584.037+/-320.611 χ^2/NDF: 38.7/27

All: 471.919+/-225.130 χ^2/NDF: 64.4/57

\- 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: 1307.827+/-0.300 χ^2/NDF:144665.3/11

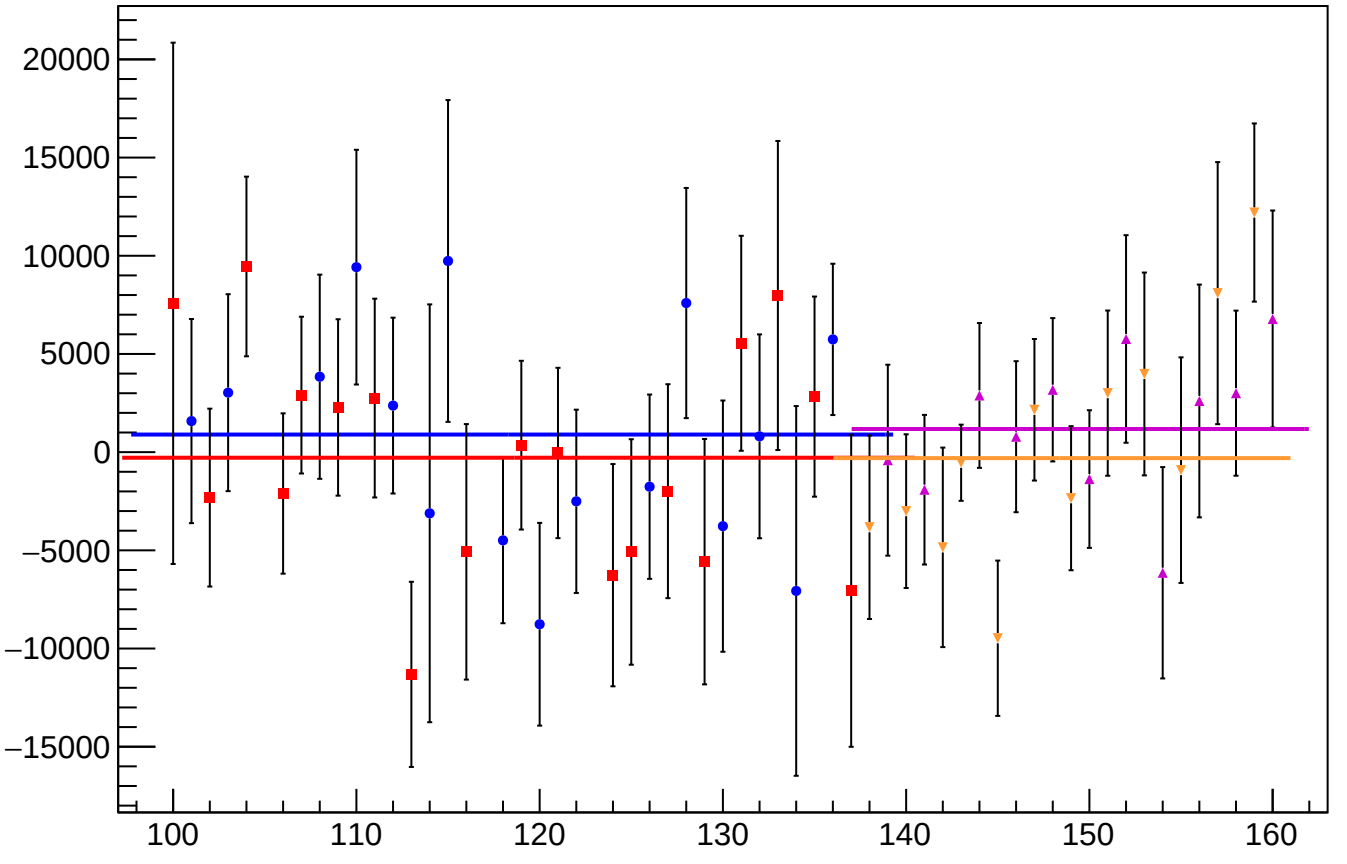
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1299.923+/-0.227 χ^2/NDF: 660950.0/27

All: 1295.073+/-0.159 χ^2/NDF: 1003531.9/57

- 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: -303.634+/-1100.137 χ^2/NDF:18.5/11

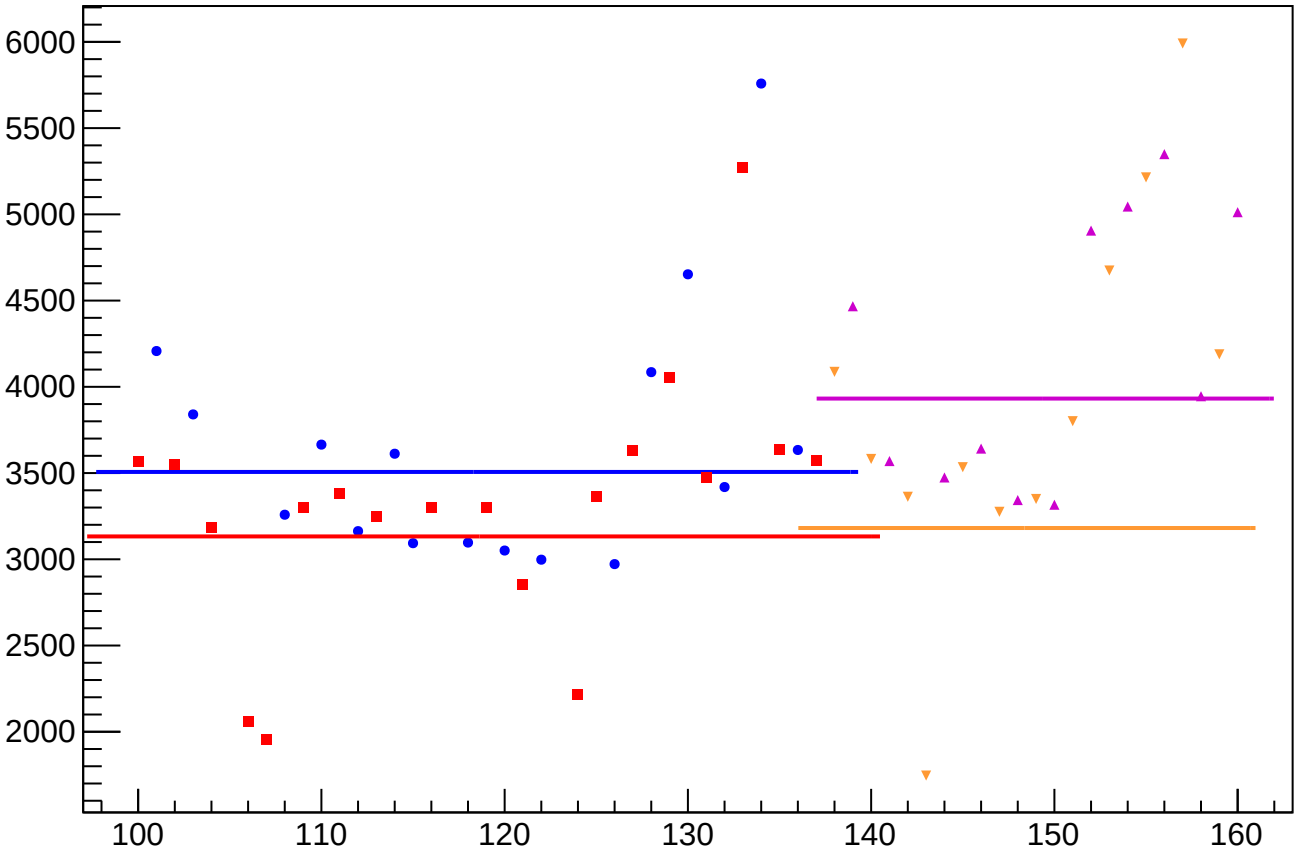
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1178.797+/-1294.233 χ^2/NDF:5.7/10

+ sign 185.983+/-846.367 χ^2/NDF: 33.1/27

All: 280.914+/-607.756 χ^2/NDF: 58.1/57

- 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: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

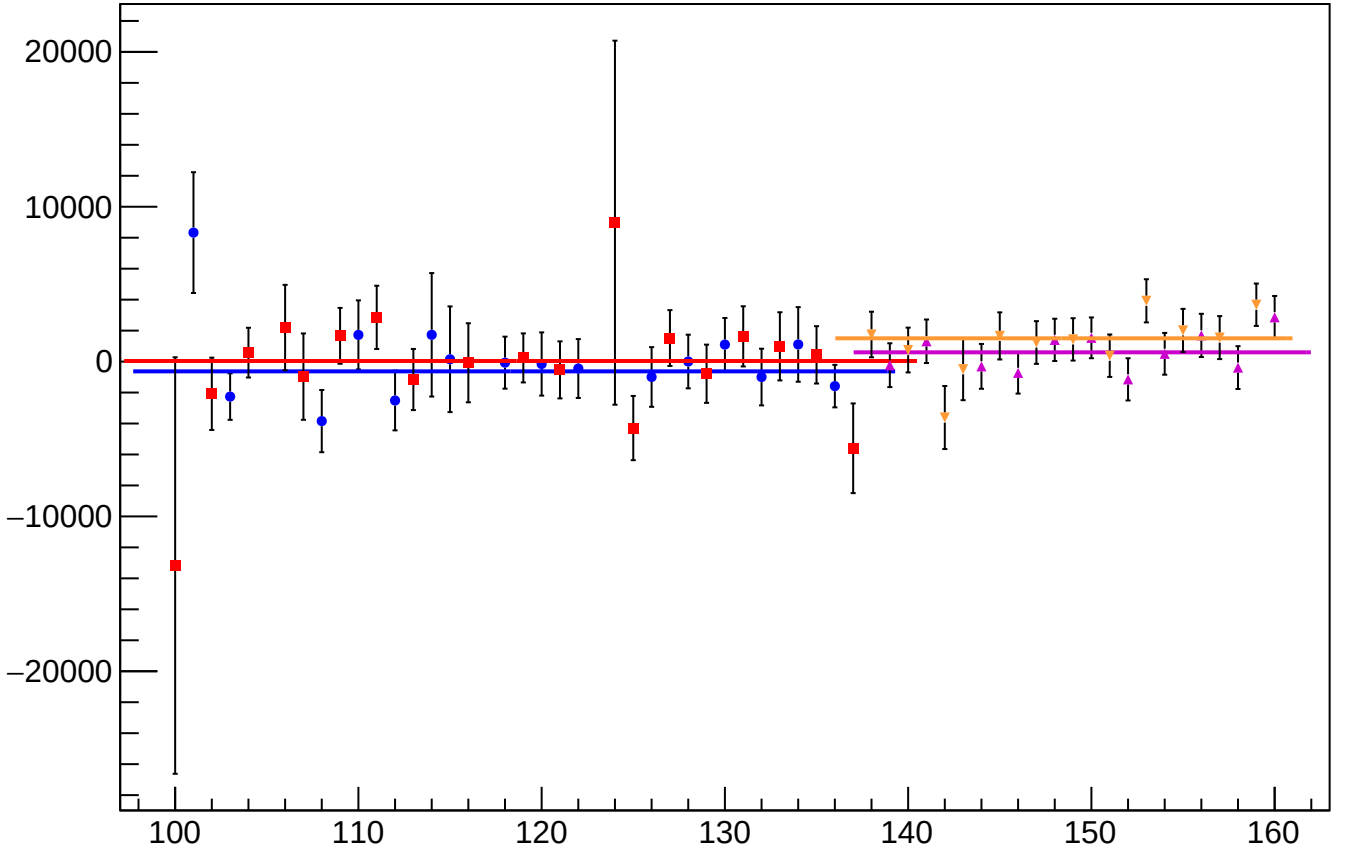
Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

+ sign 3314.050+/-0.598 χ^2/NDF: 2553941.2/27

All: 3402.413+/-0.430 χ^2/NDF: 4206666.7/57

- 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: 1502.709+/-424.834 χ^2/NDF:14.0/11

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

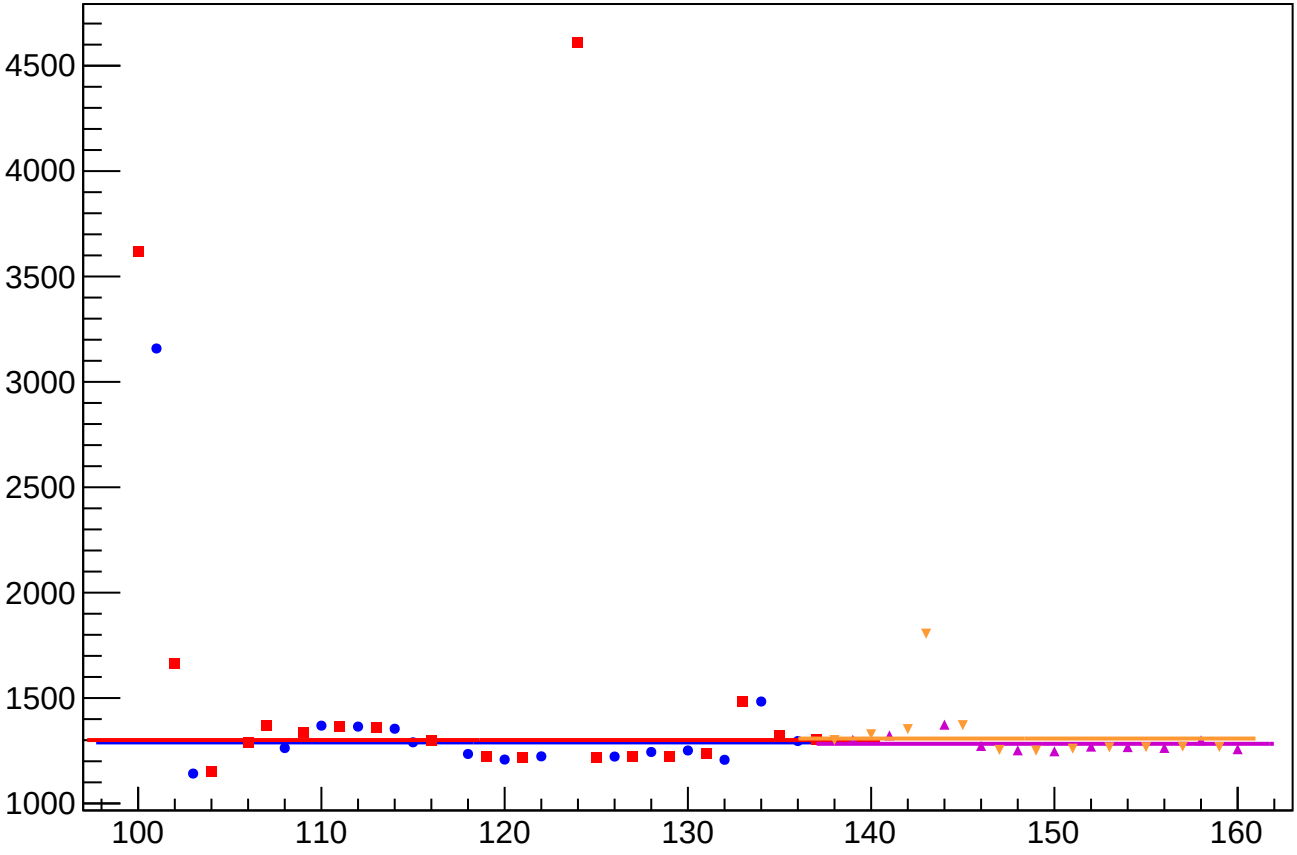
Left In: 597.365+/-415.077 χ^2/NDF:8.3/10

+ sign 584.037+/-320.611 χ^2/NDF: 38.7/27

All: 471.919+/-225.130 χ^2/NDF: 64.4/57

- 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: 1307.827+/-0.300 χ^2/NDF:144665.3/11

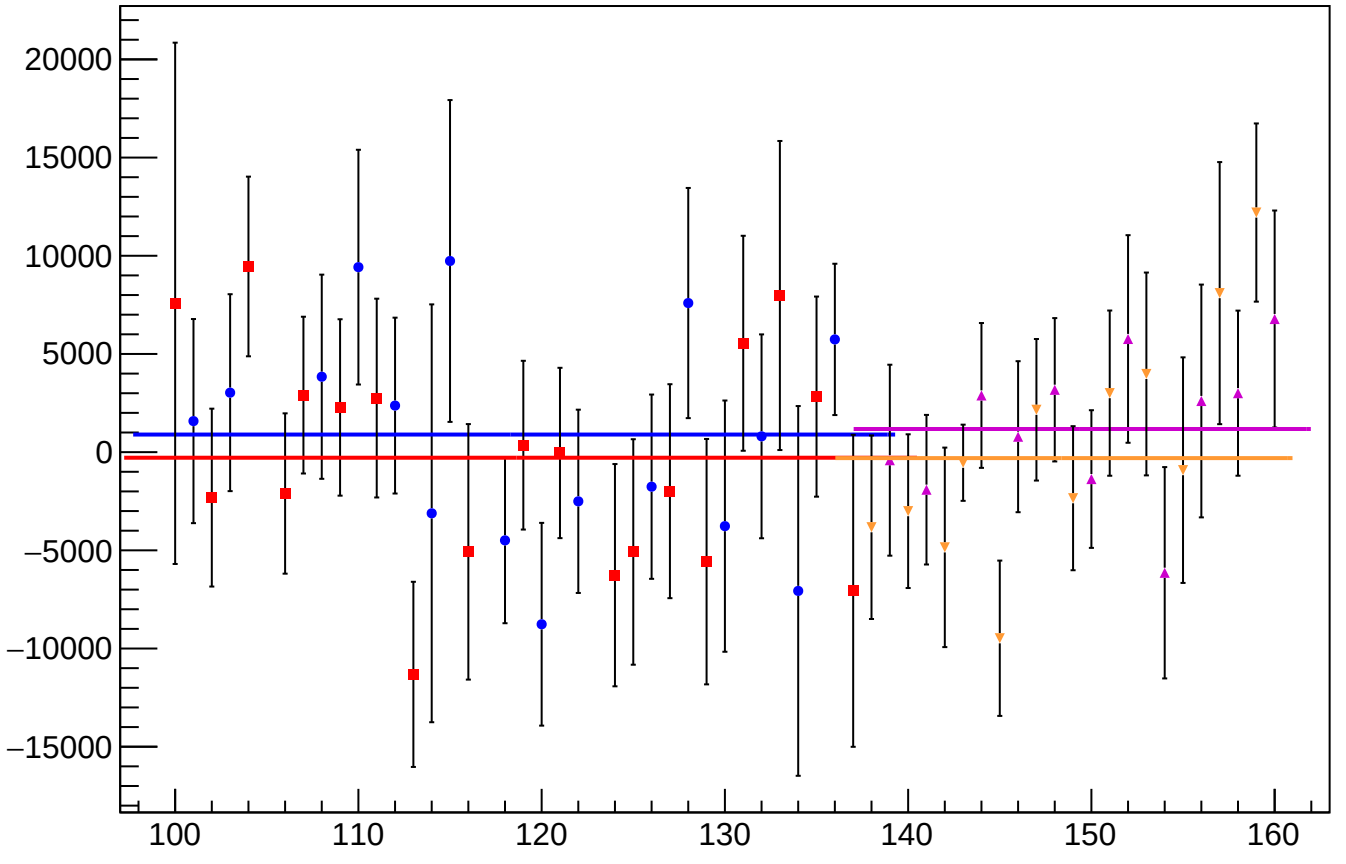
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1299.923+/-0.227 χ^2/NDF: 660950.0/27

All: 1295.073+/-0.159 χ^2/NDF: 1003531.9/57

- 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: -303.634+/-1100.137 χ^2/NDF:18.5/11

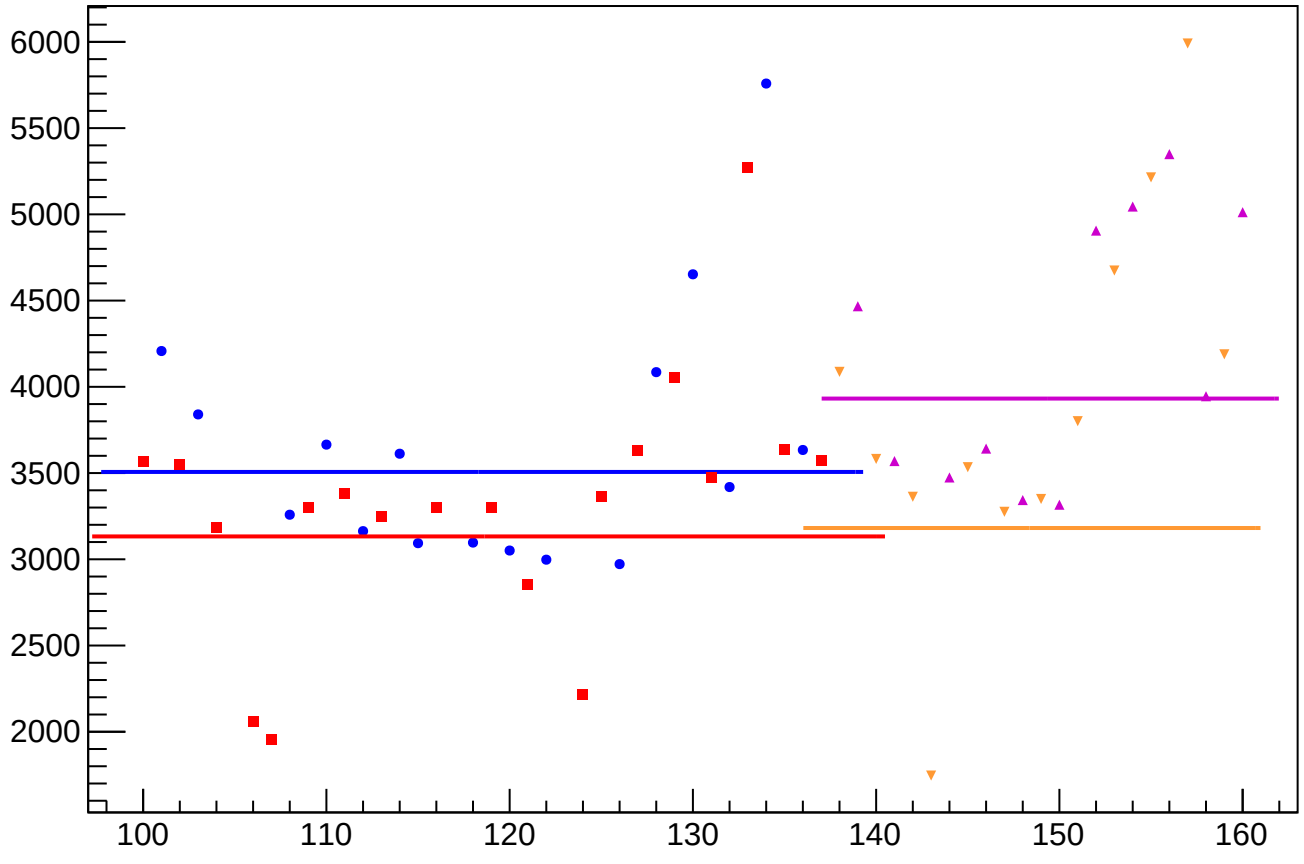
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1178.797+/-1294.233 χ^2/NDF:5.7/10

+ sign 185.983+/-846.367 χ^2/NDF: 33.1/27

All: 280.914+/-607.756 χ^2/NDF: 58.1/57

- 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: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

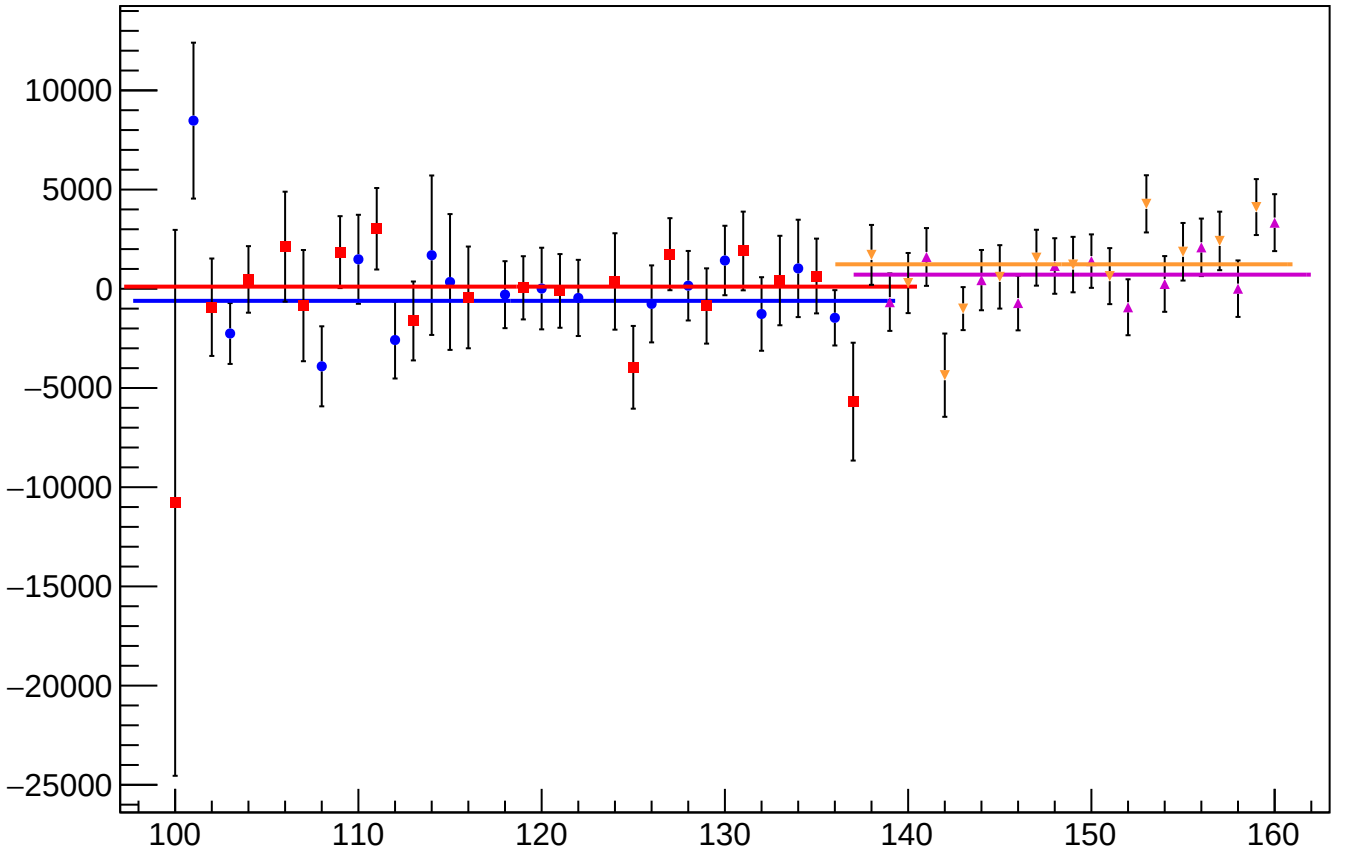
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

+ sign 3314.050+/-0.598 χ^2/NDF: 2553941.2/27

All: 3402.413+/-0.430 χ^2/NDF: 4206666.7/57

- 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: 1234.281+/-415.913 χ^2/NDF:21.7/11

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

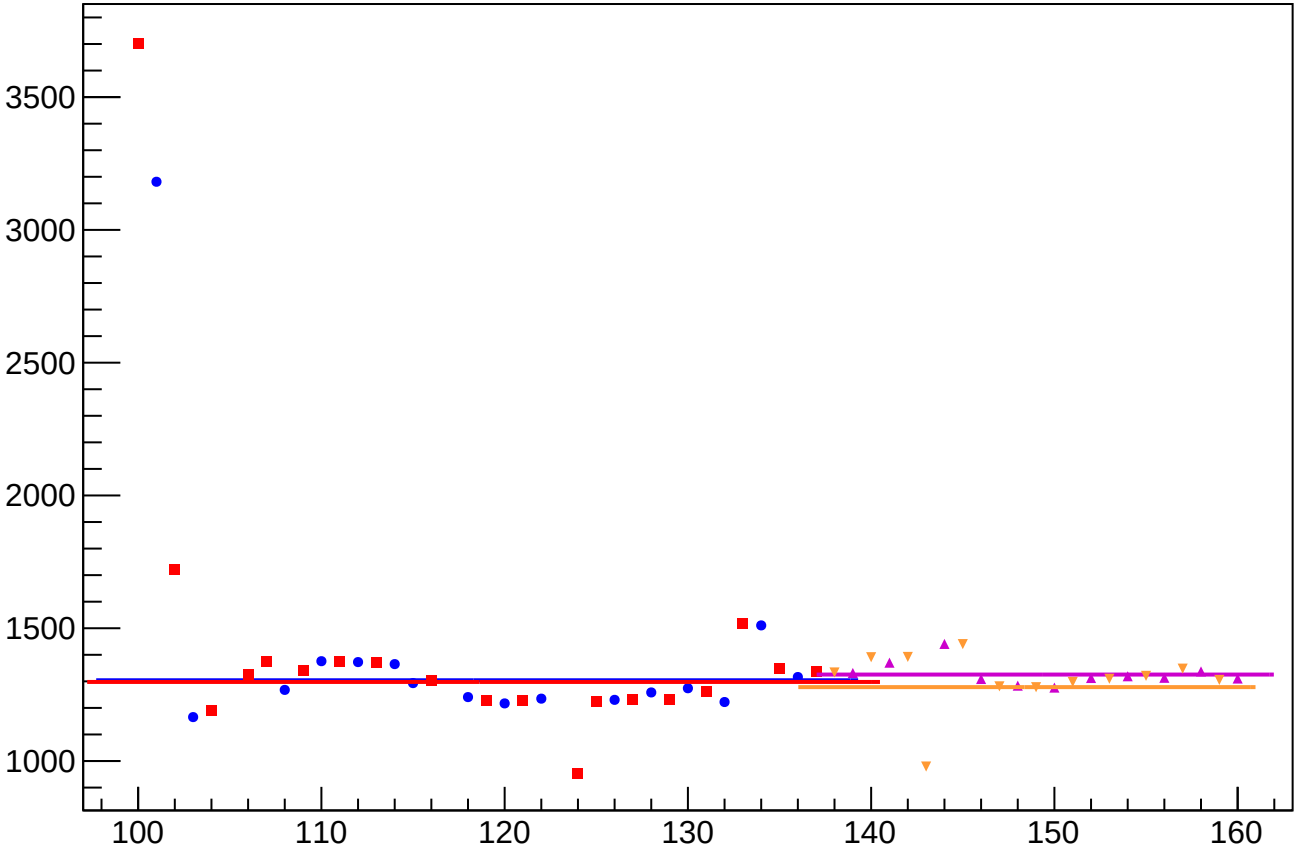
Left In: 712.705+/-428.982 χ^2/NDF:8.7/10

\+ sign 470.486+/-318.213 χ^2/NDF: 43.9/27

All: 459.301+/-226.158 χ^2/NDF: 68.4/57

\- 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: 1278.303+/-0.294 χ^2/NDF:200587.6/11

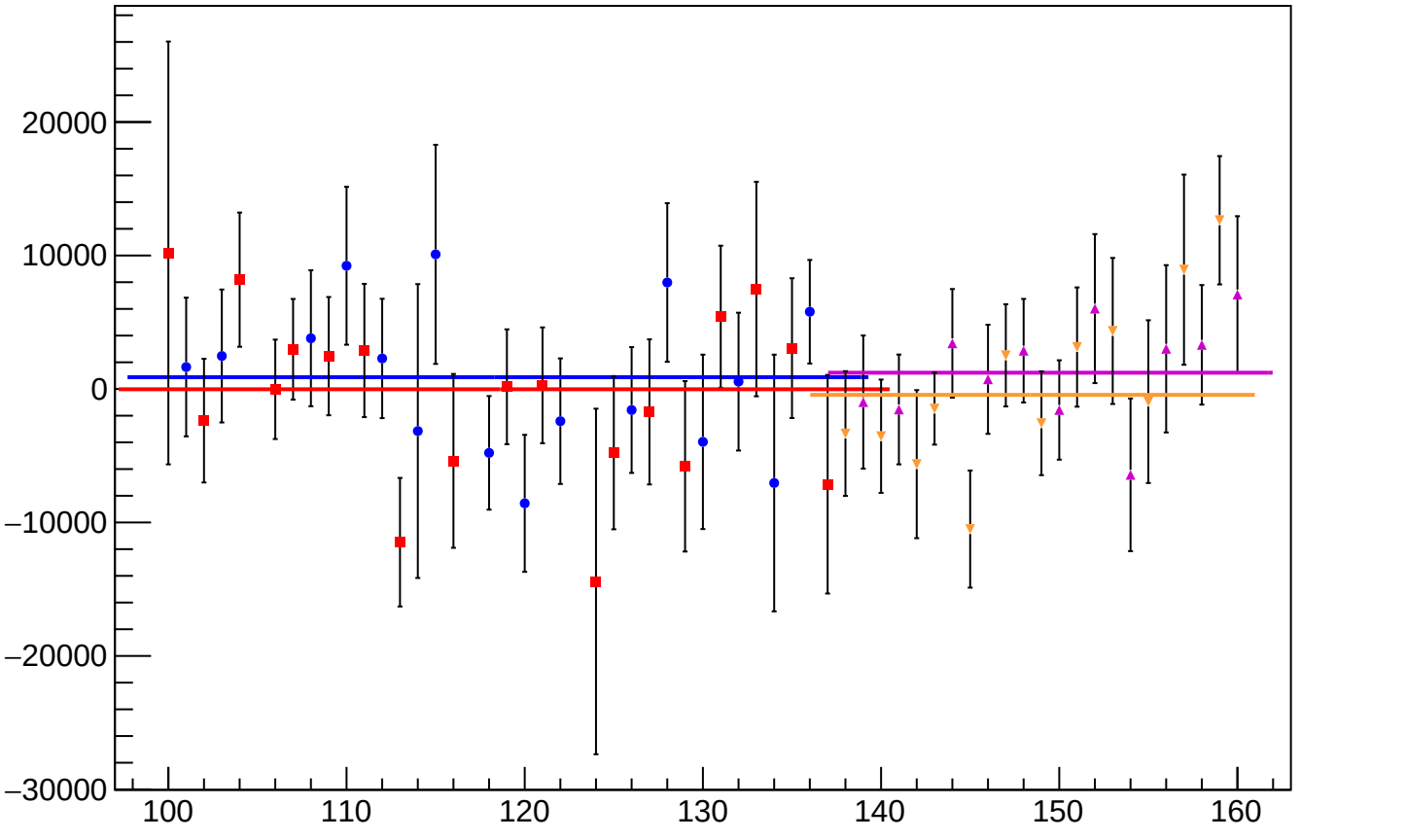
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.597+/-0.303 χ^2/NDF:18904.0/10

+ sign 1289.000+/-0.225 χ^2/NDF: 714367.9/27

All: 1301.079+/-0.160 χ^2/NDF: 955875.4/57

- 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: -439.004+/-1258.889 χ^2/NDF:18.6/11

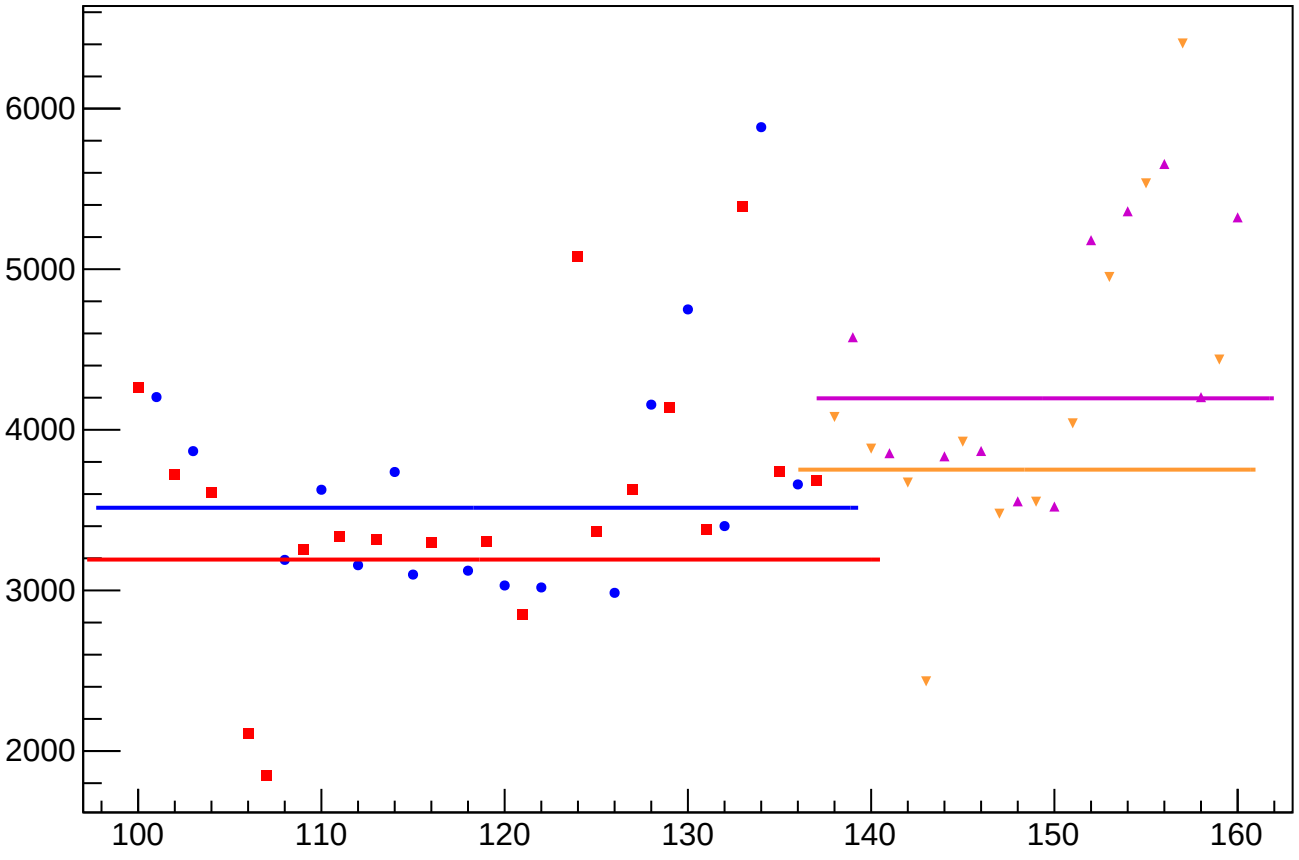
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1220.374+/-1379.867 χ^2/NDF:5.5/10

+ sign 187.504+/-913.429 χ^2/NDF: 33.3/27

All: 352.048+/-643.068 χ^2/NDF: 56.2/57

- 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: 3752.024+/-0.890 χ^2/NDF:1101737.2/11

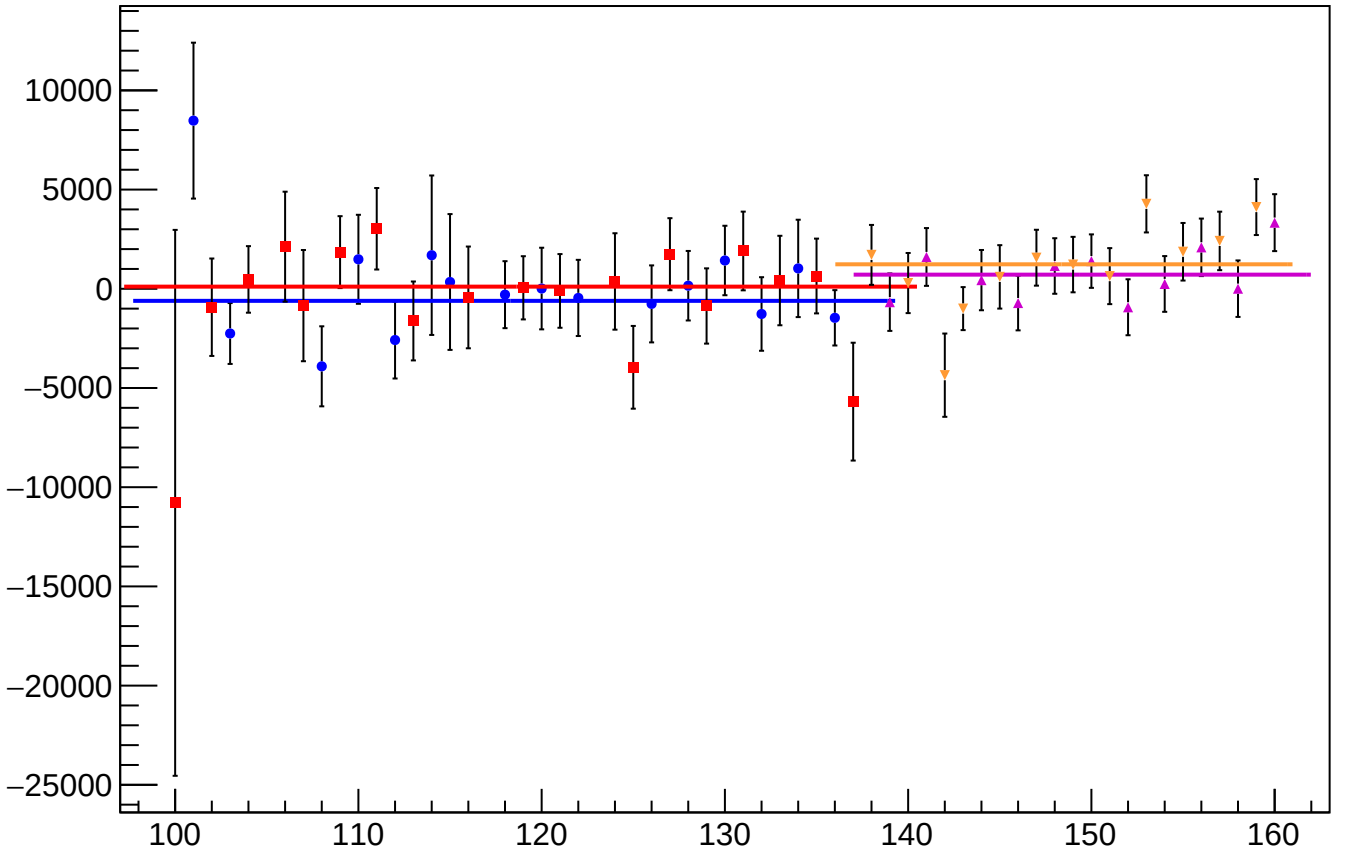
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4196.018+/-0.976 χ^2/NDF:501534.5/10

+ sign 3639.666+/-0.646 χ^2/NDF: 1510460.7/27

All: 3632.002+/-0.455 χ^2/NDF: 3387415.9/57

- 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: 1234.285+/-415.913 χ^2/NDF:21.7/11

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

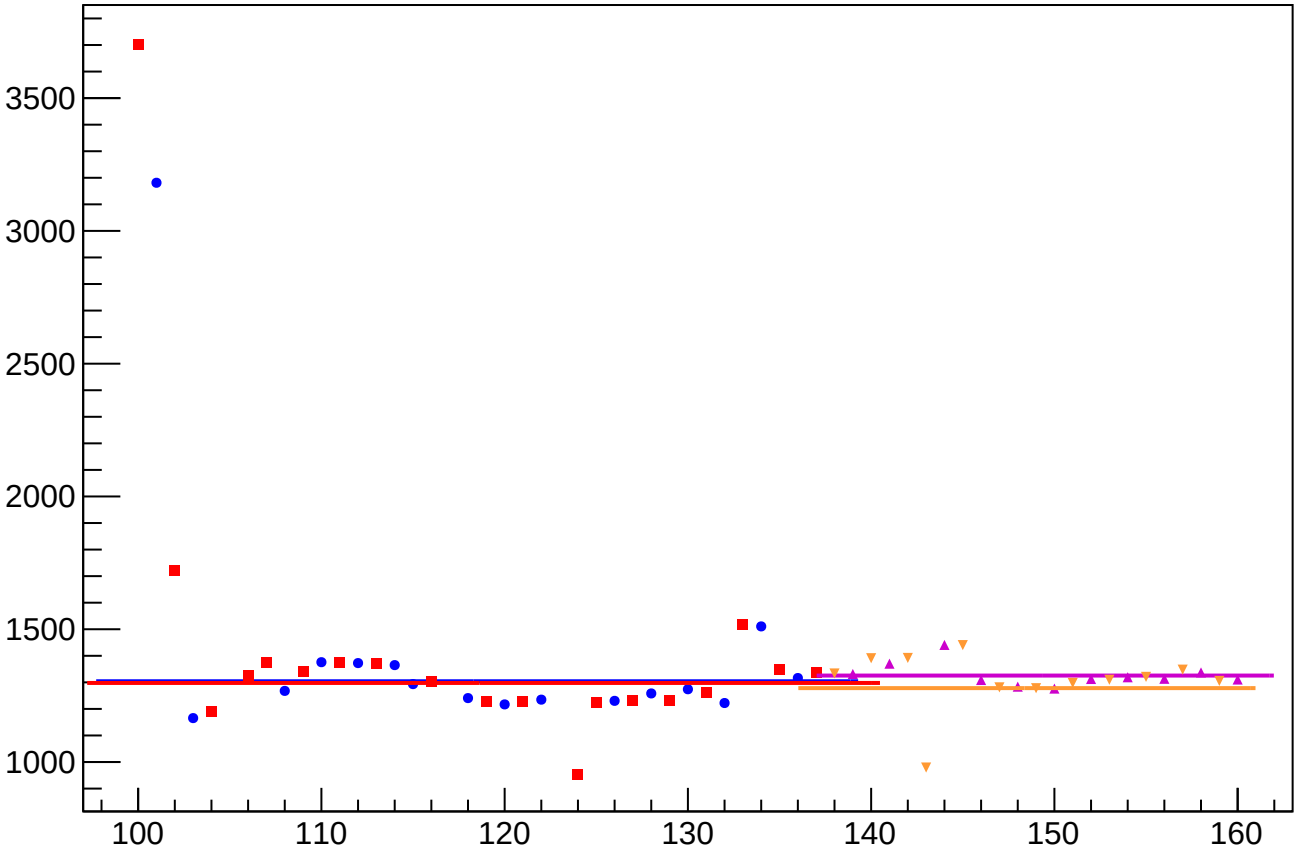
Left In: 712.706+/-428.982 χ^2/NDF:8.7/10

+ sign 470.486+/-318.213 χ^2/NDF: 43.9/27

All: 459.302+/-226.159 χ^2/NDF: 68.4/57

- 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: 1278.304+/-0.294 χ^2/NDF:200588.1/11

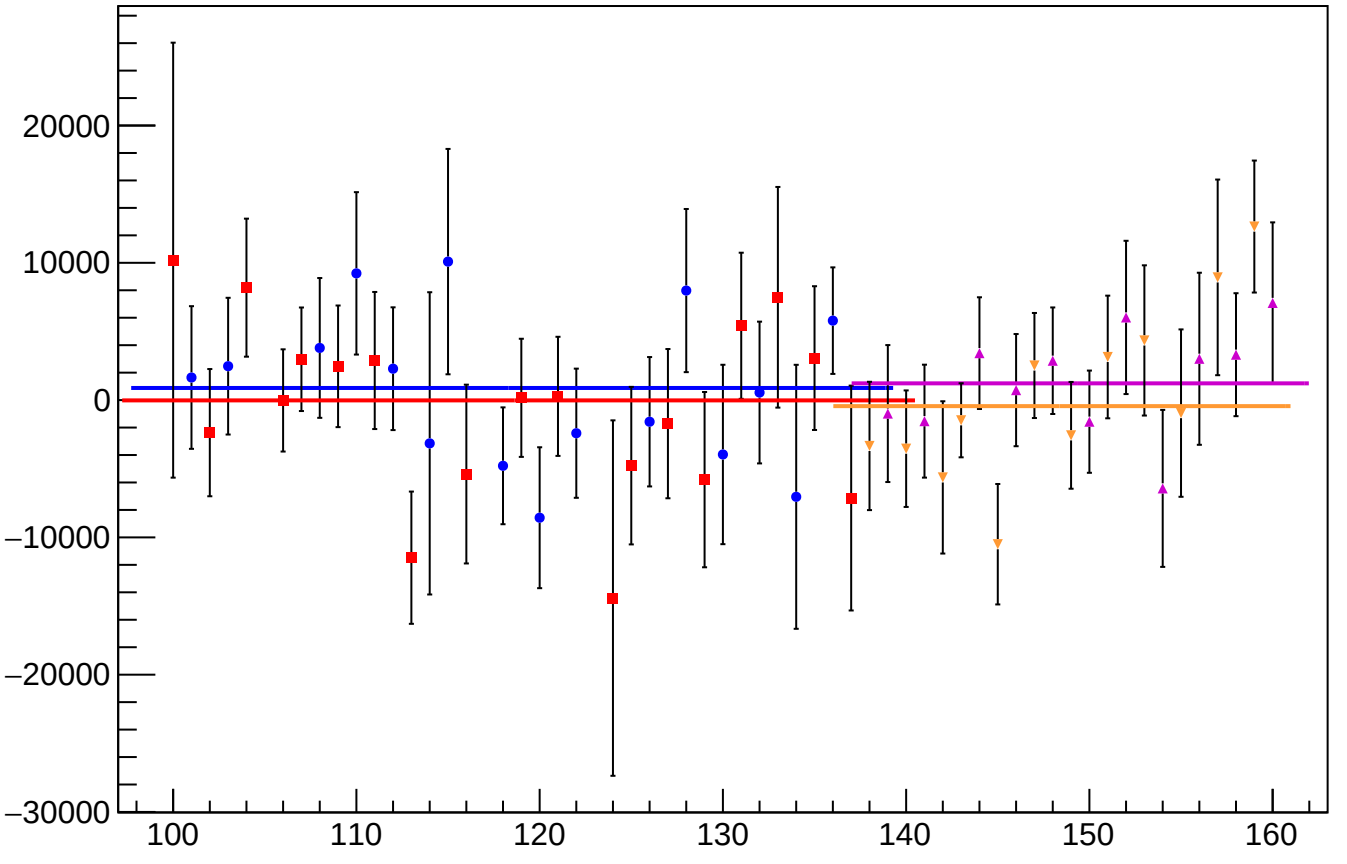
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.598+/-0.303 χ^2/NDF:18904.1/10

+ sign 1289.001+/-0.225 χ^2/NDF: 714368.3/27

All: 1301.080+/-0.160 χ^2/NDF: 955876.2/57

- 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: -439.000+/-1258.891 χ^2/NDF:18.6/11

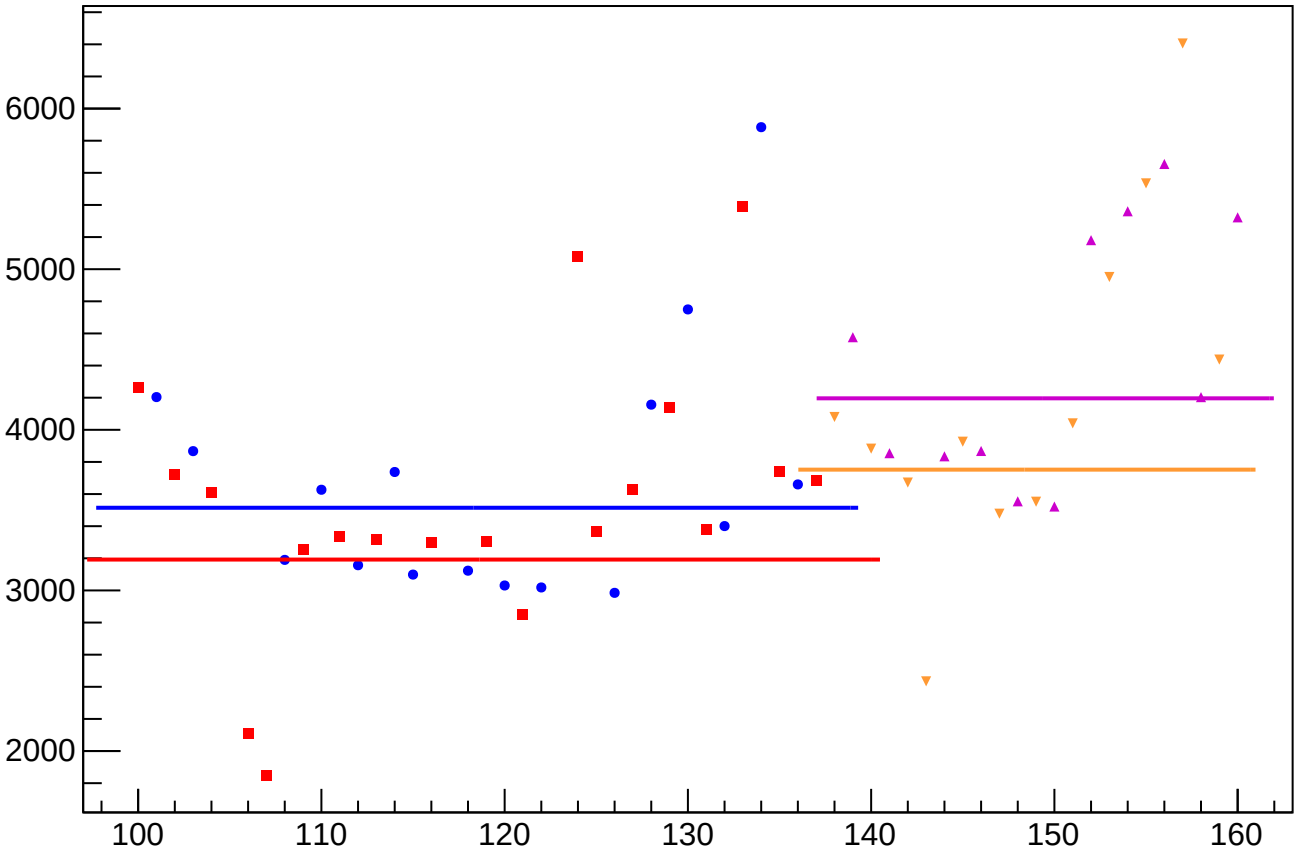
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1220.374+/-1379.869 χ^2/NDF:5.5/10

\+ sign 187.504+/-913.428 χ^2/NDF: 33.3/27

All: 352.048+/-643.068 χ^2/NDF: 56.2/57

\- 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: 3752.029+/-0.890 χ^2/NDF:1101737.4/11

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

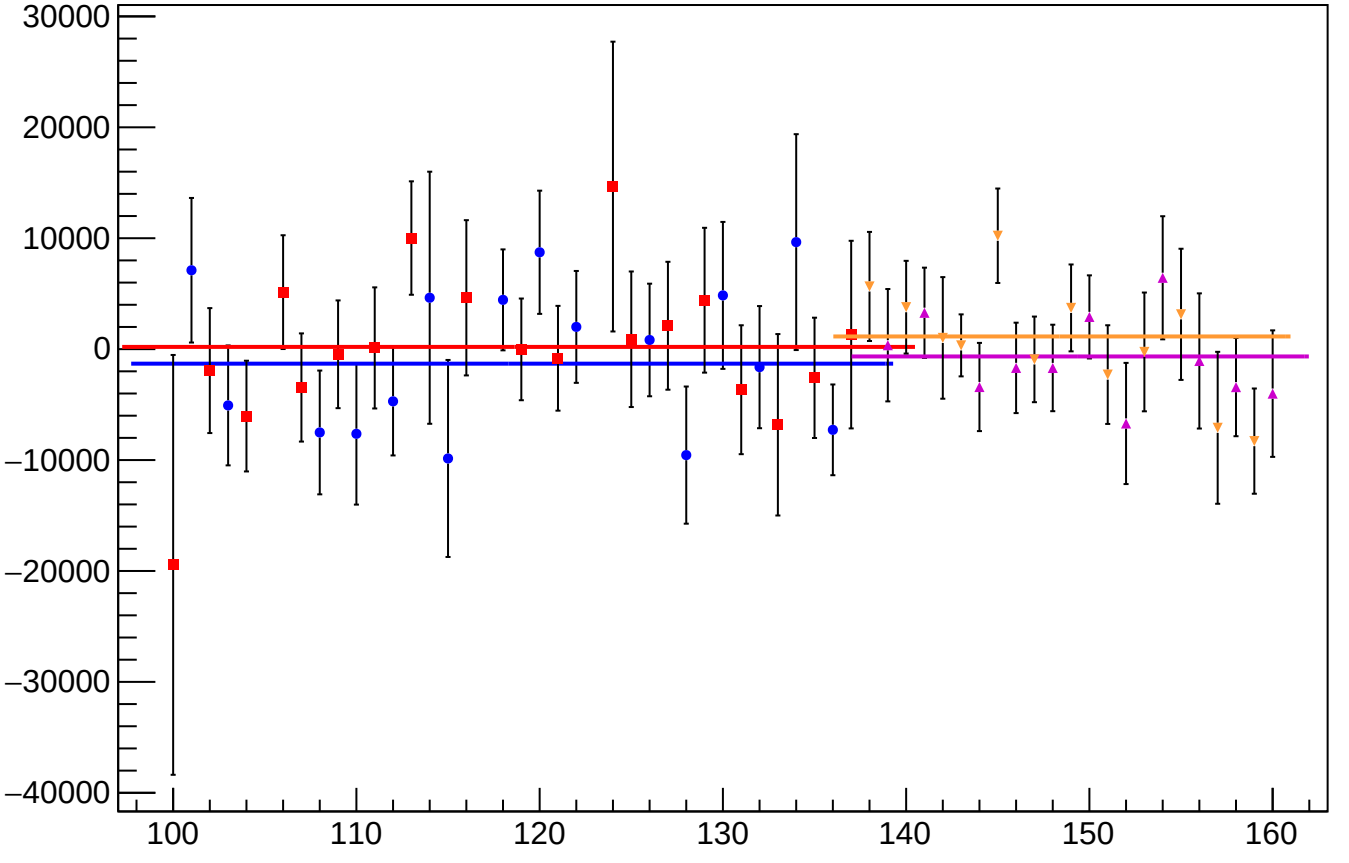
Left In: 4196.024+/-0.976 χ^2/NDF:501534.8/10

+ sign 3639.664+/-0.646 χ^2/NDF: 1510469.1/27

All: 3631.999+/-0.455 χ^2/NDF: 3387443.1/57

- 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: 1143.591+/-1262.777 χ^2/NDF:12.8/11

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

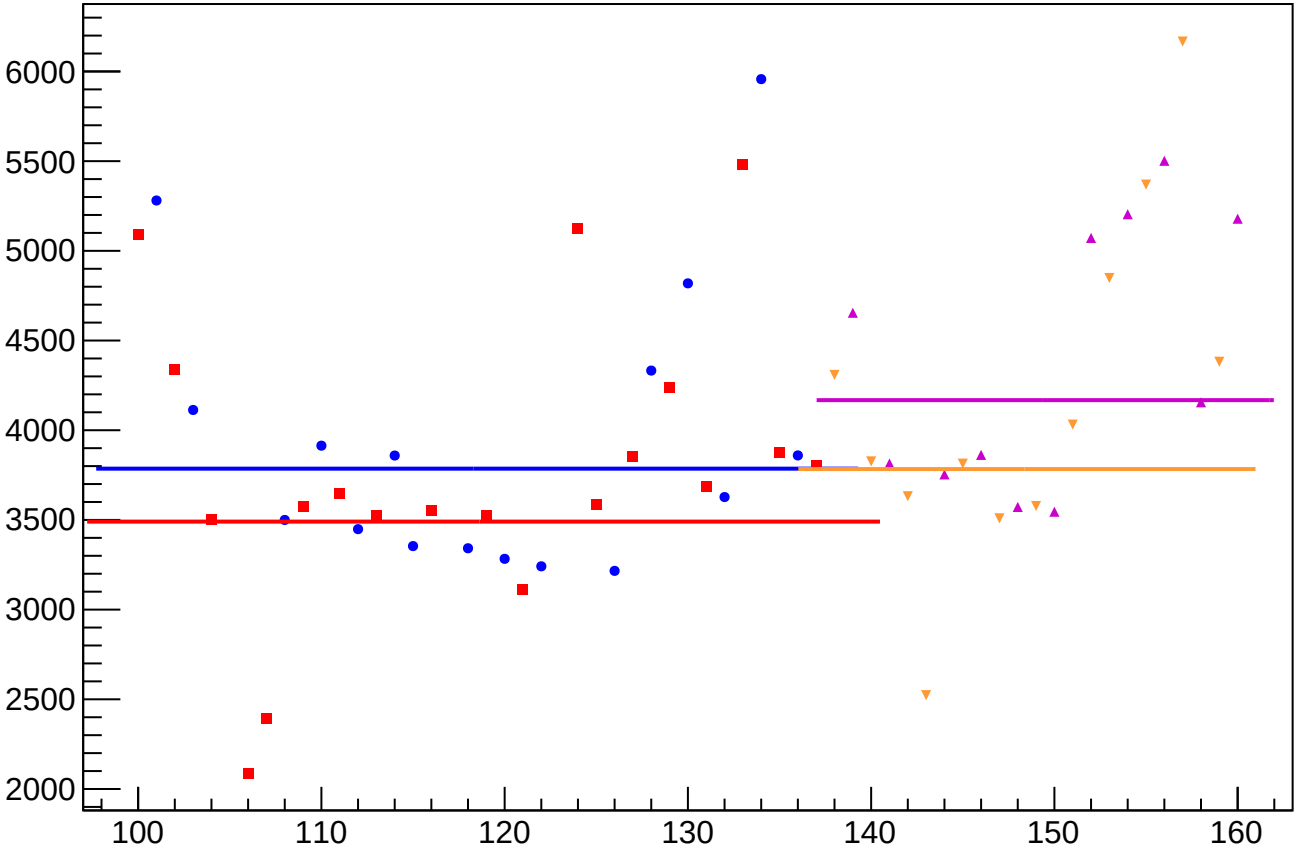
Left In: -659.186+/-1367.707 χ^2/NDF:6.1/10

+ sign 70.235+/-947.016 χ^2/NDF: 32.0/27

All: -72.921+/-672.701 χ^2/NDF: 50.0/57

- 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: 3783.485+/-0.893 χ^2/NDF:950121.3/11

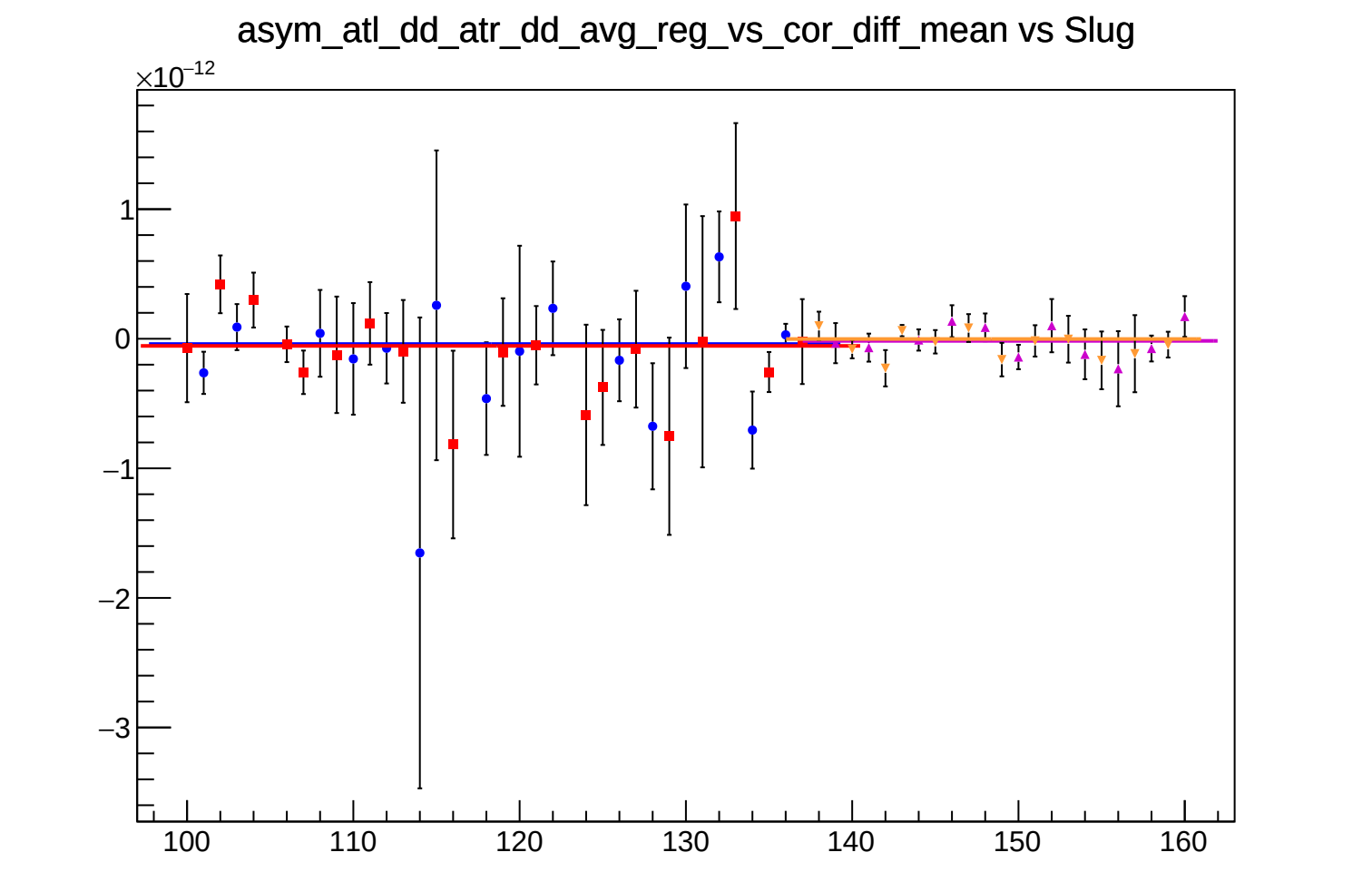
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

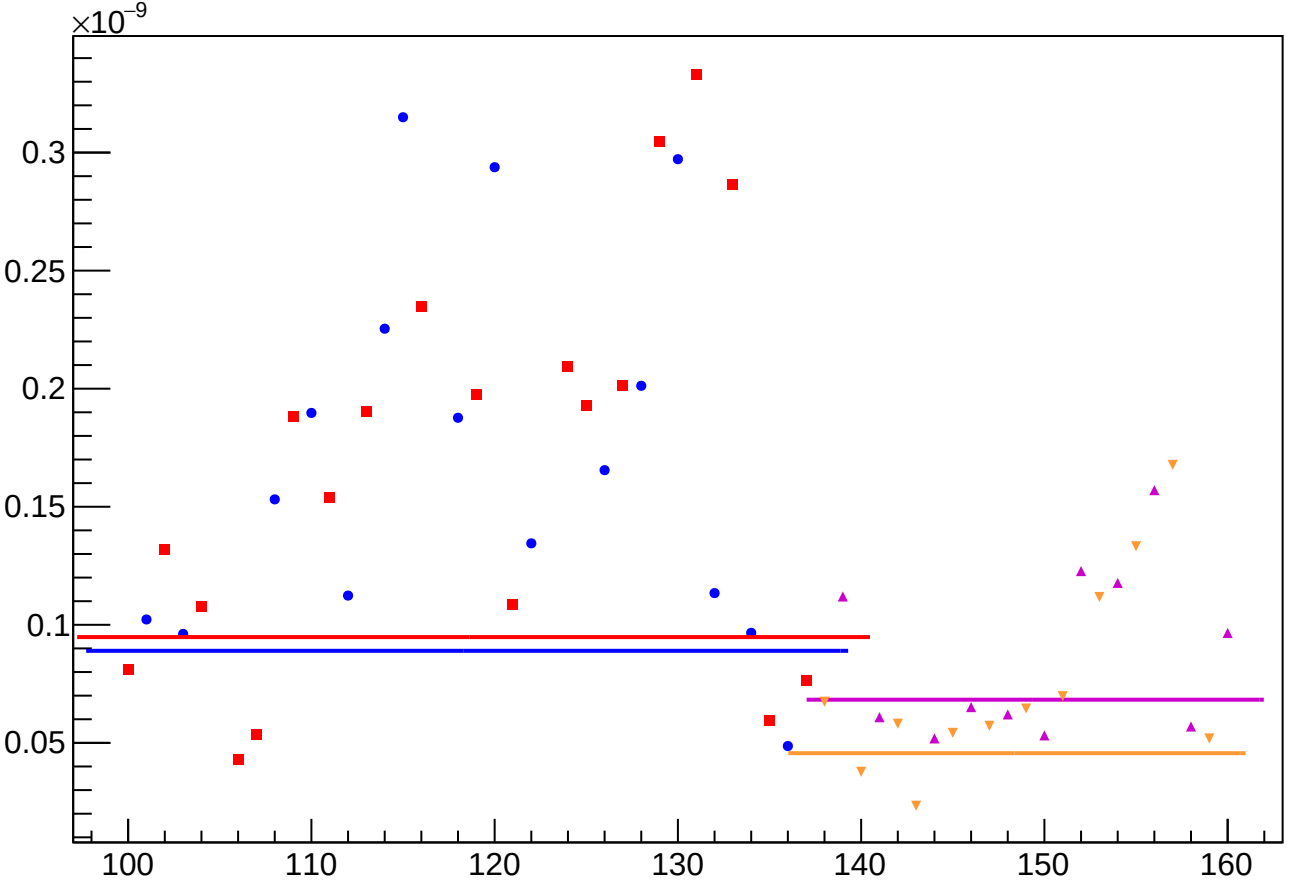
Left In: 4167.729+/-0.967 χ^2/NDF:451630.3/10

+ sign 3784.486+/-0.670 χ^2/NDF: 1333117.1/27

All: 3800.512+/-0.474 χ^2/NDF: 2626806.0/57

- 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:9.9/11
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: 26.9/27
All: -0.000+/-0.000 χ²/NDF: 50.7/57
- 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:1719207.8/11

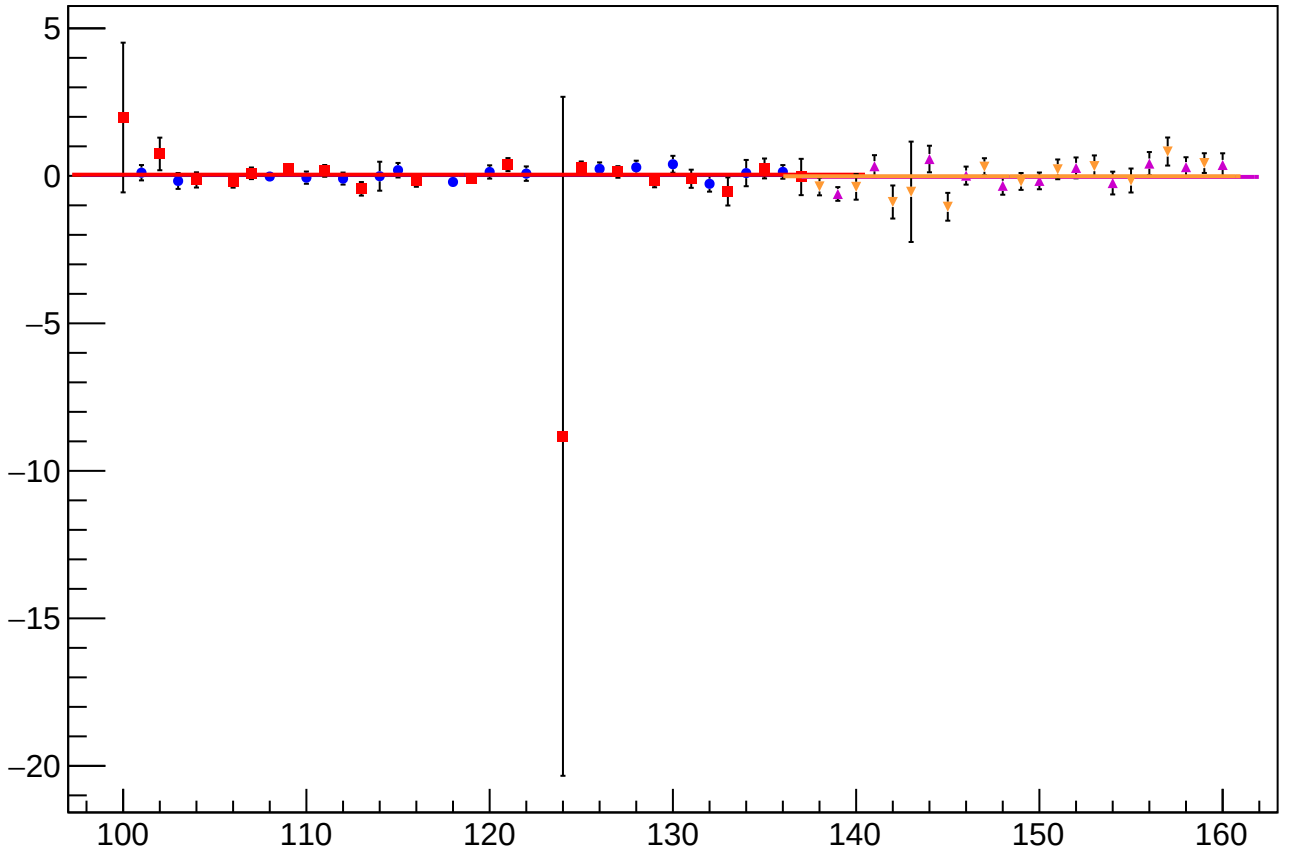
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:859505.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 4070274.2/27

All: 0.000+/-0.000 χ^2/NDF: 7498963.5/57

- 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: -0.014+/-0.109 χ^2/NDF:17.4/11

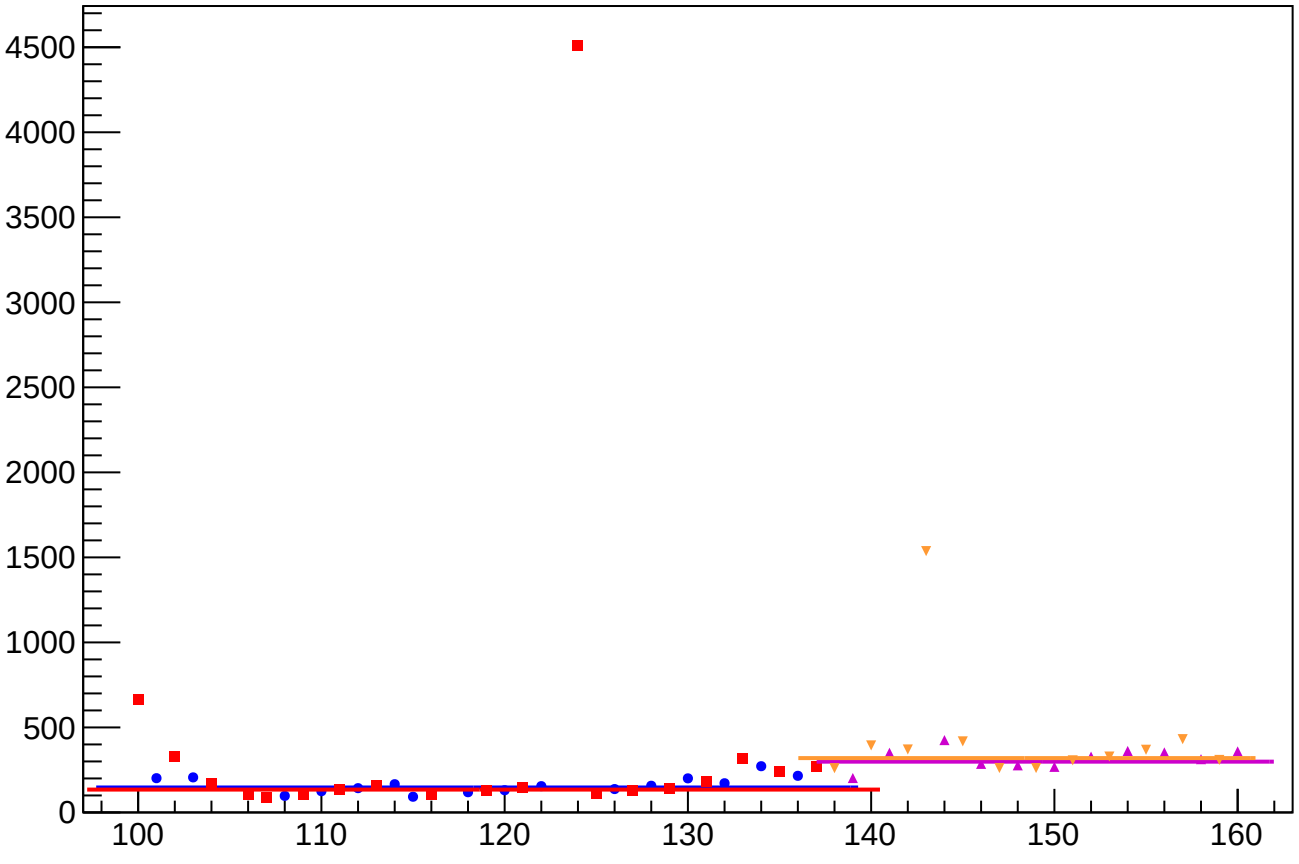
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.020+/-0.035 χ^2/NDF: 61.9/57

- 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: 319.653+/-0.077 χ^2/NDF:1573887.6/11

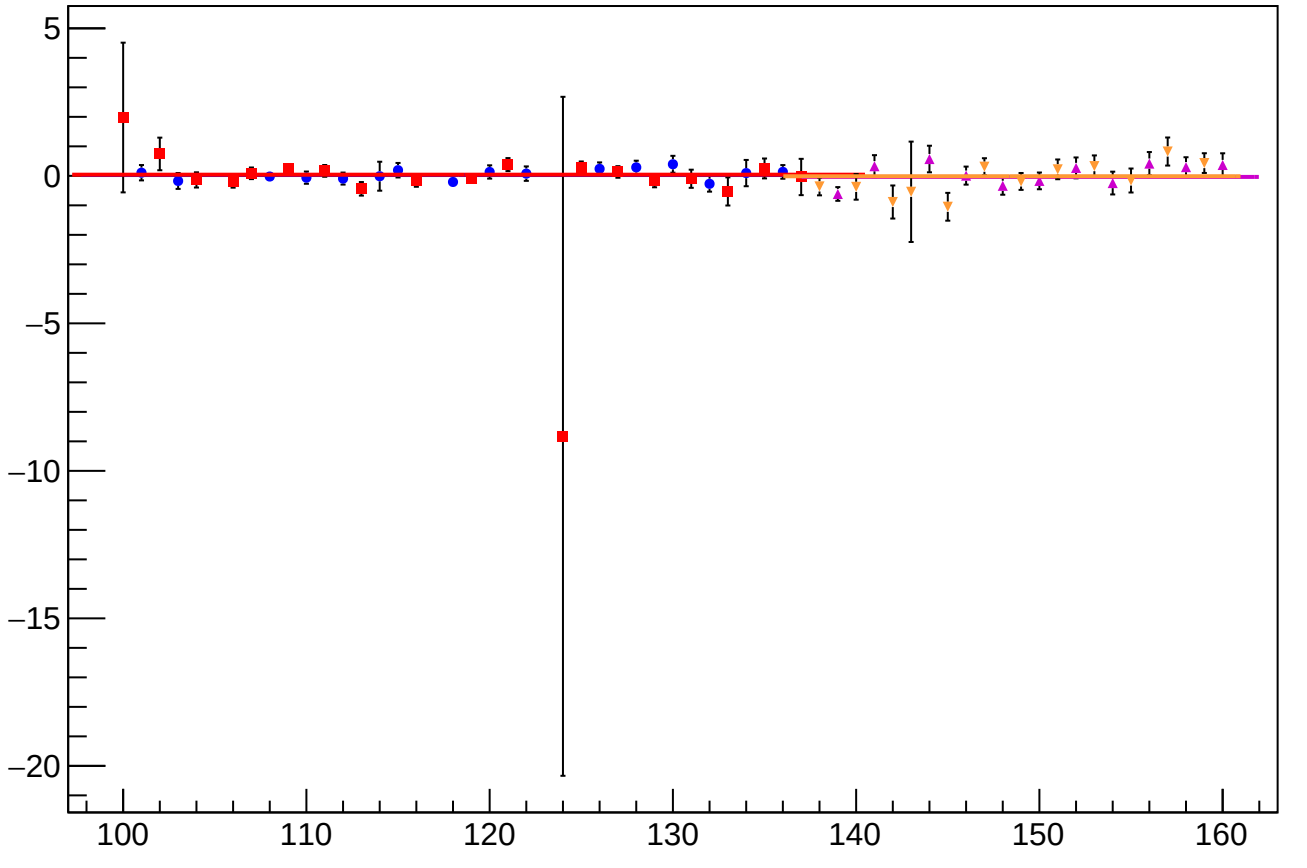
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

+ sign 184.768+/-0.036 χ^2/NDF: 6511133.0/27

All: 178.377+/-0.025 χ^2/NDF: 13092198.8/57

- 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: -0.014+/-0.109 χ^2/NDF:17.4/11

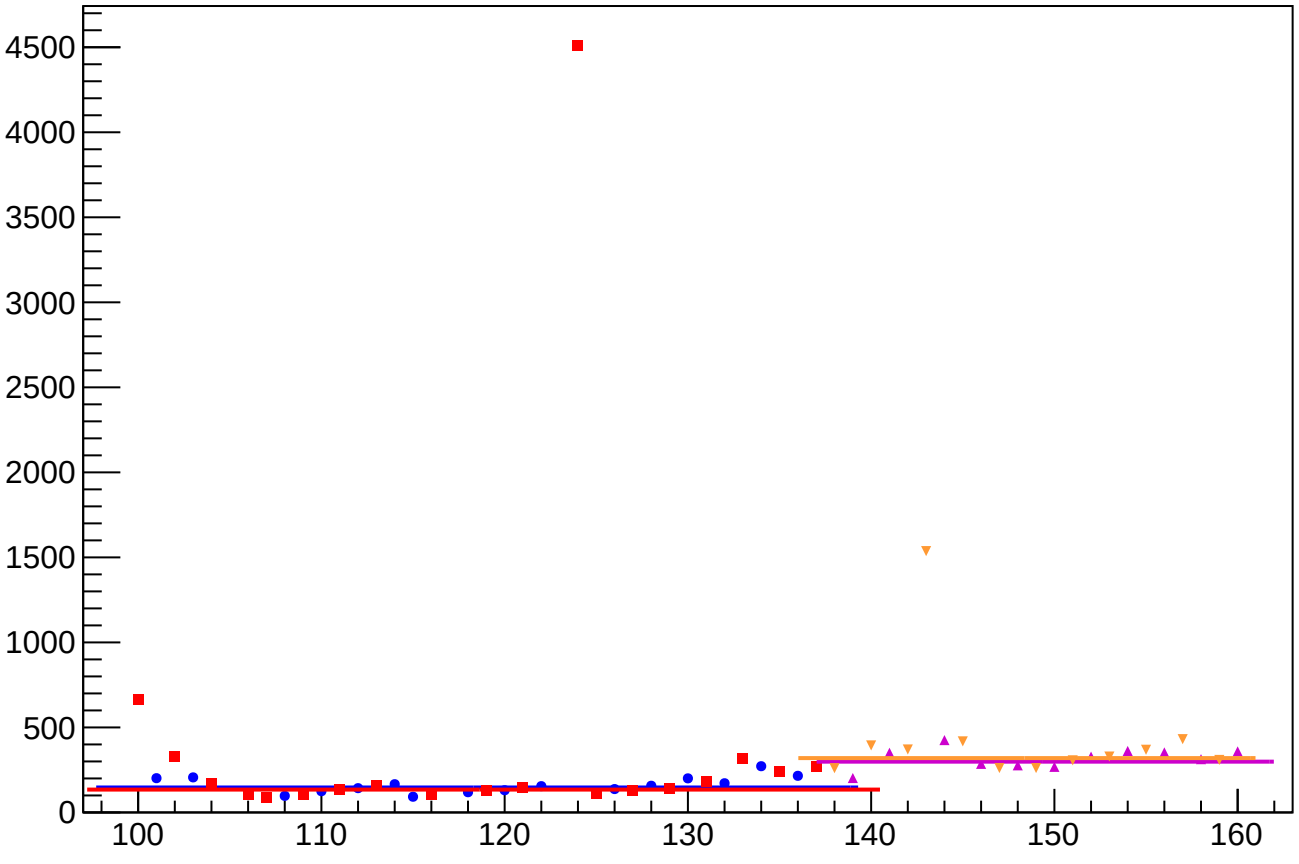
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.020+/-0.035 χ^2/NDF: 61.9/57

- 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: 319.653+/-0.077 χ^2/NDF:1573887.6/11

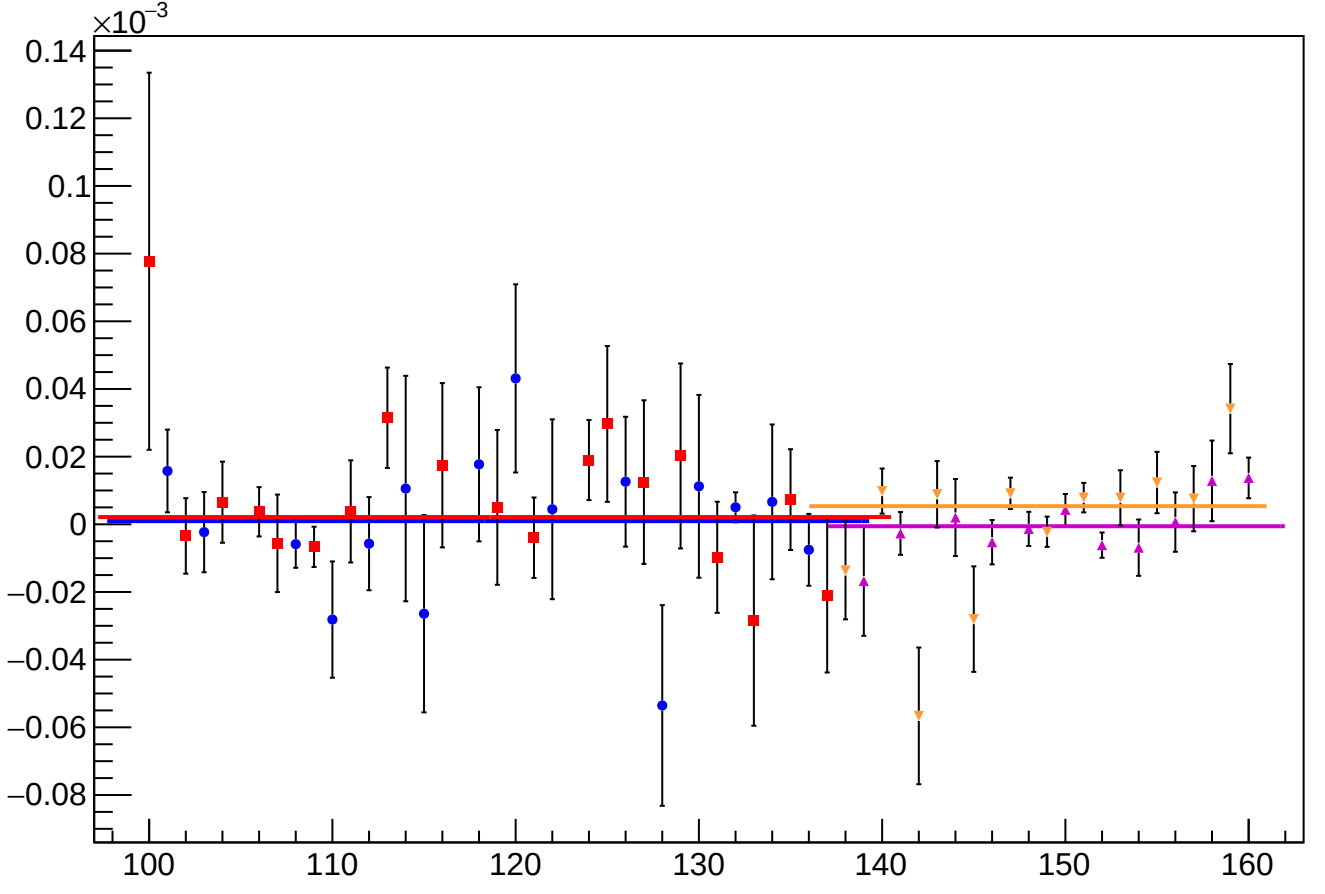
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

+ sign 184.768+/-0.036 χ^2/NDF: 6511133.0/27

All: 178.377+/-0.025 χ^2/NDF: 13092198.8/57

- 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:25.7/11

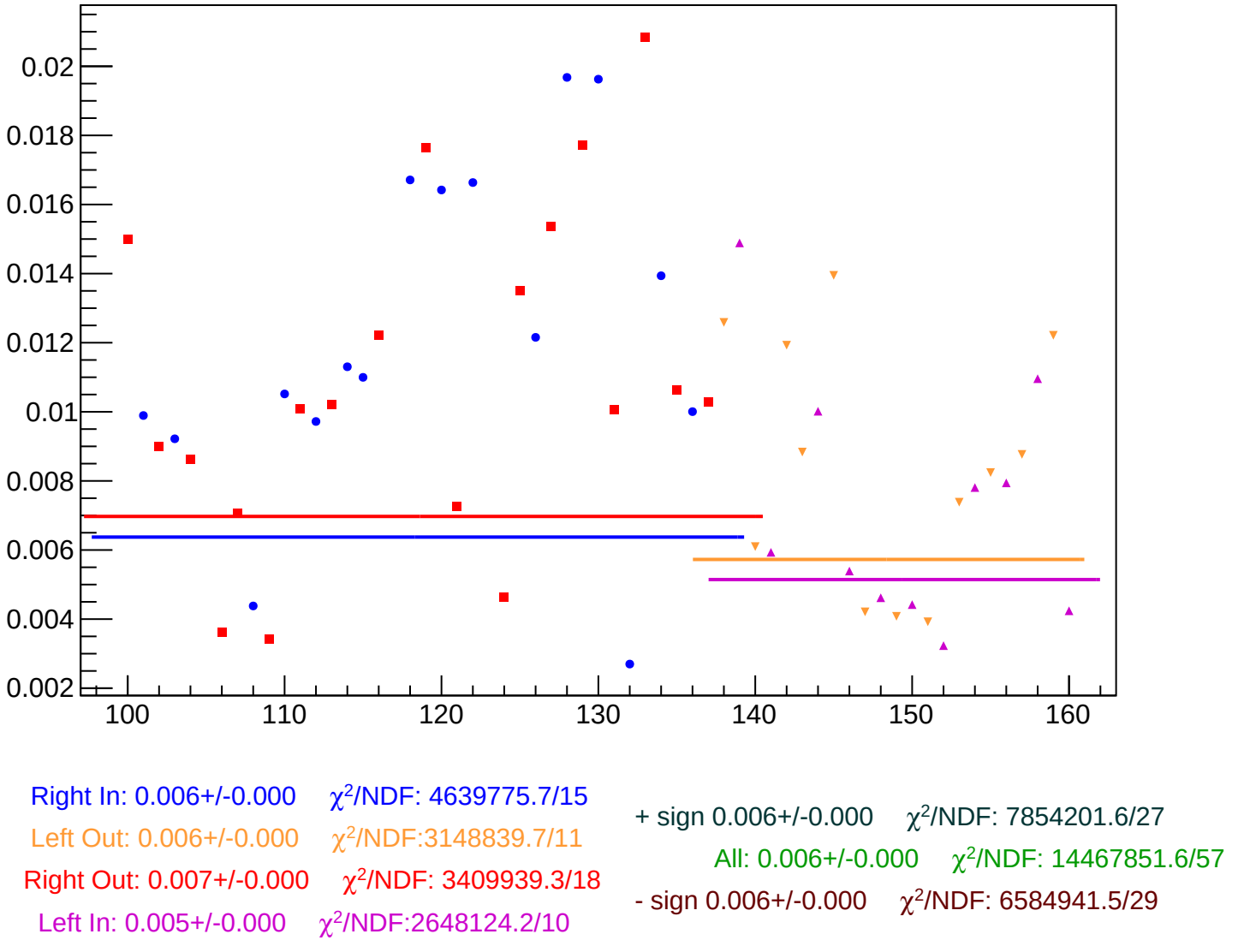
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

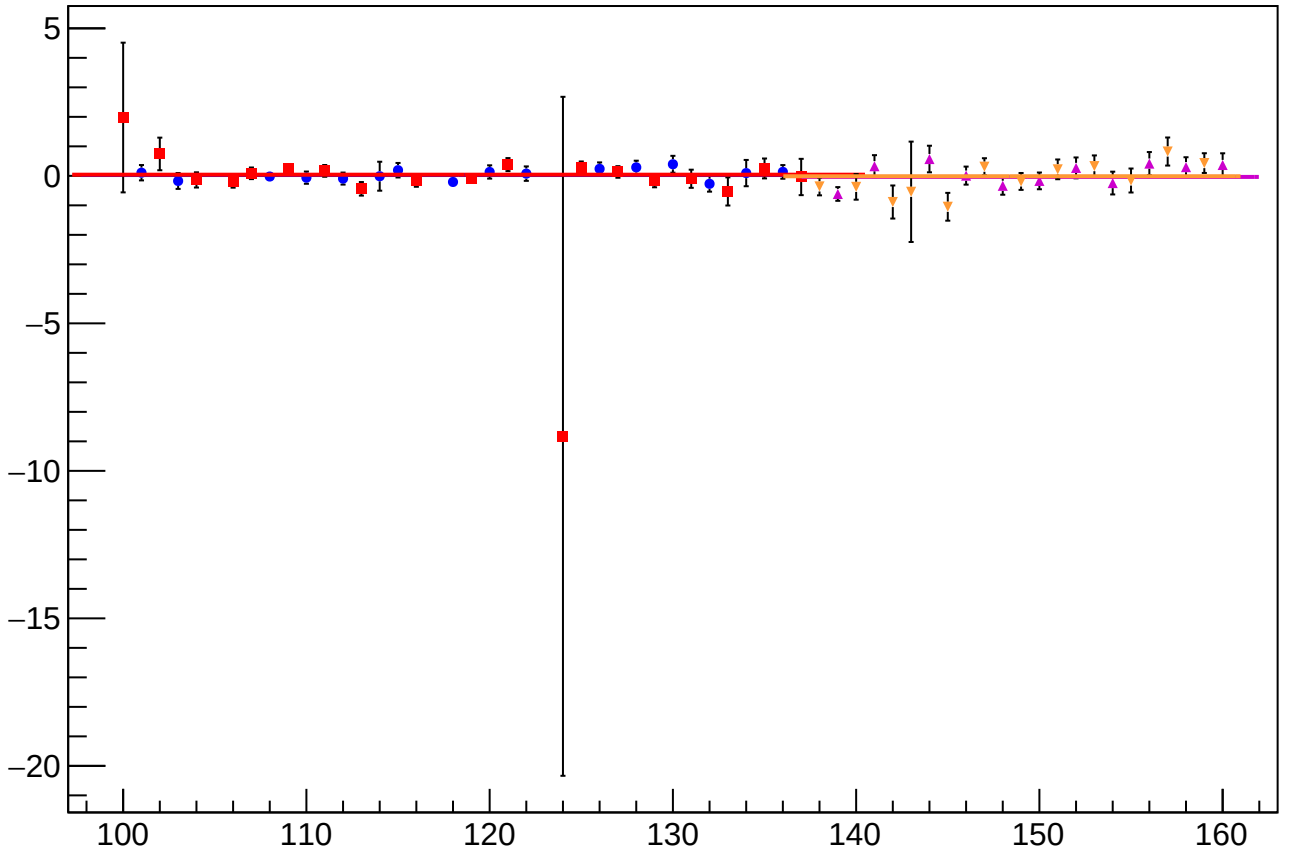
Left In: -0.000+/-0.000 χ^2/NDF:12.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 42.1/27

All: 0.000+/-0.000 χ^2/NDF: 73.8/57

- 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: 0.006+/-0.000 χ²/NDF:3148839.7/11
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: 7854201.6/27
All: 0.006+/-0.000 χ²/NDF: 14467851.6/57
- sign 0.006+/-0.000 χ²/NDF: 6584941.5/29



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.014+/-0.109 χ^2/NDF:17.4/11

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

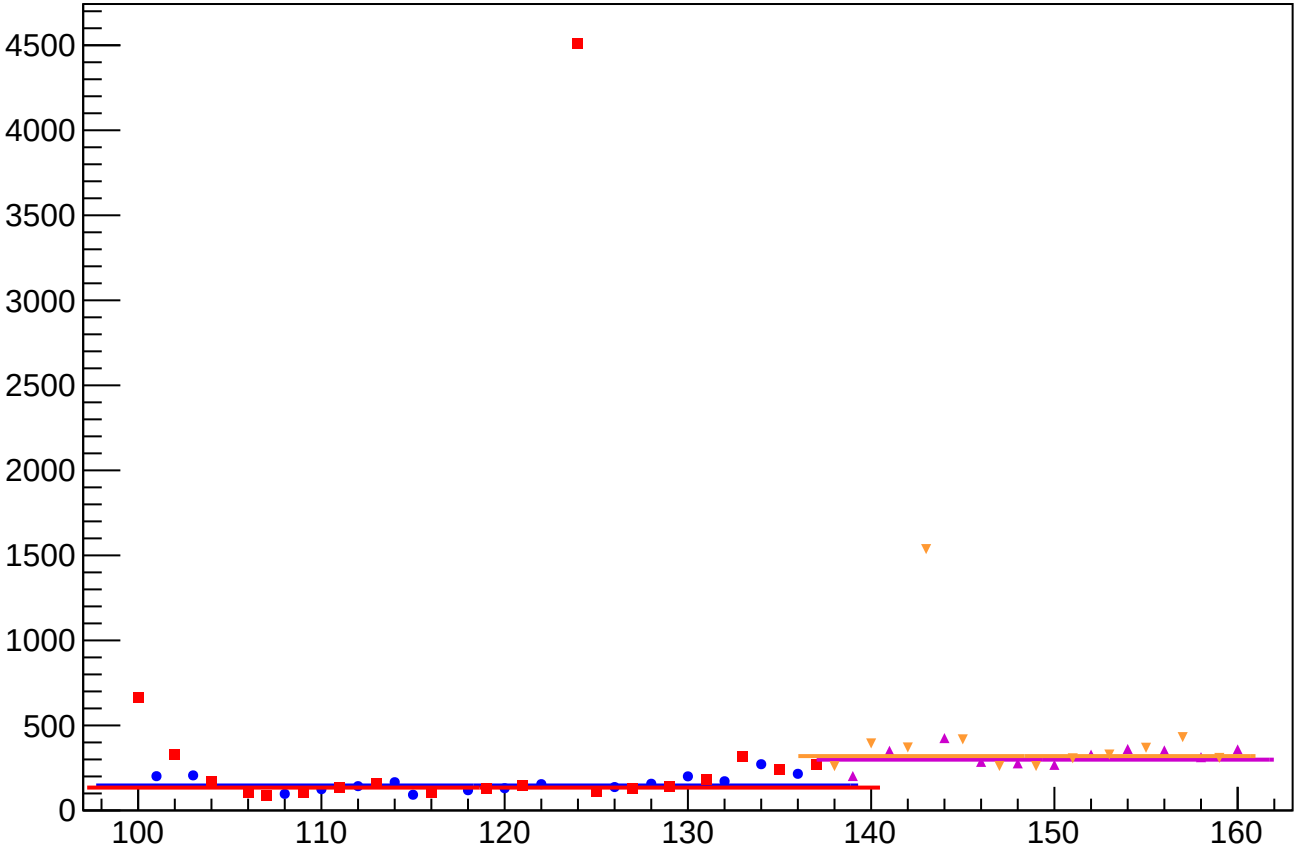
Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.020+/-0.035 χ^2/NDF: 61.9/57

- 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: 319.656+/-0.077 χ^2/NDF:1573890.2/11

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

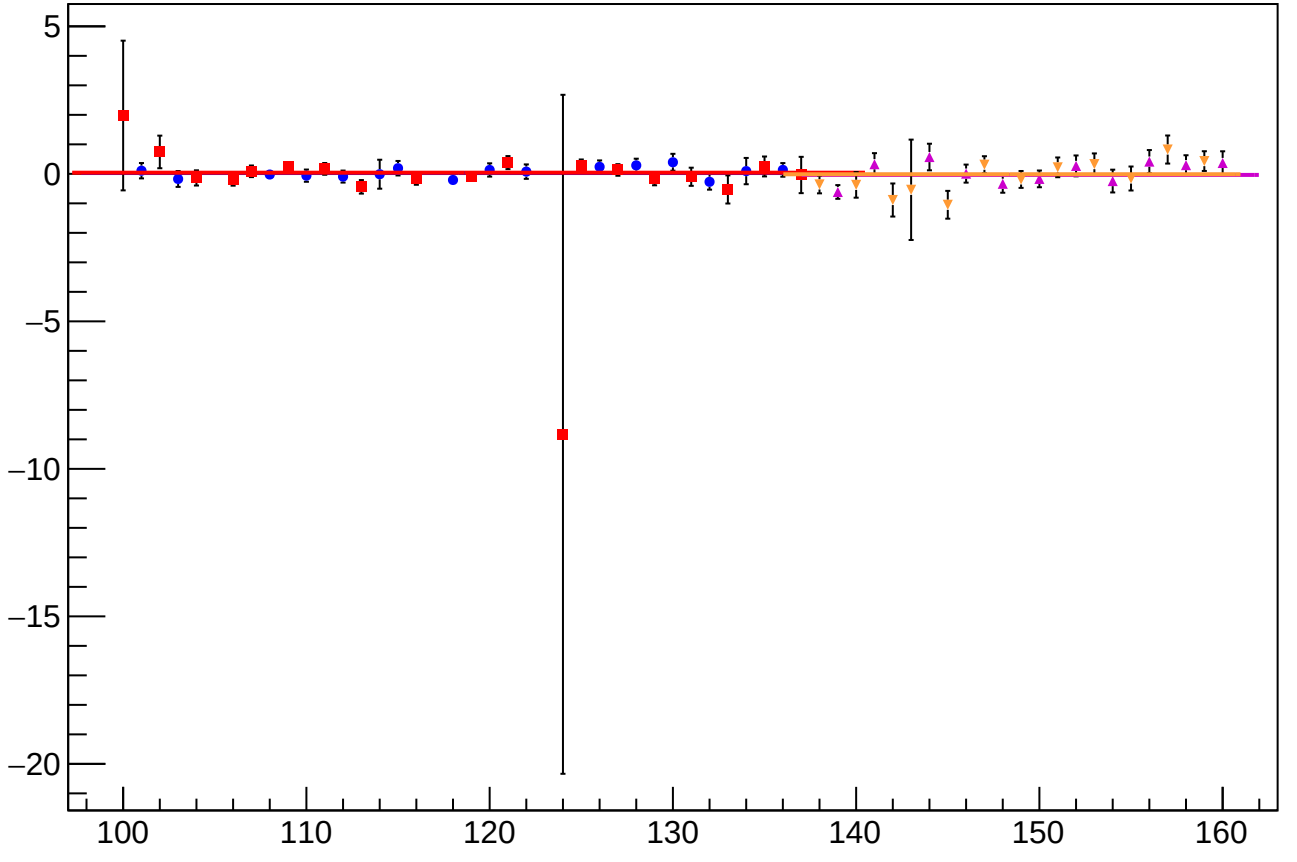
Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

+ sign 184.768+/-0.036 χ^2/NDF: 6511183.9/27

All: 178.378+/-0.025 χ^2/NDF: 13092186.8/57

- 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: -0.014+/-0.109 χ^2/NDF:17.4/11

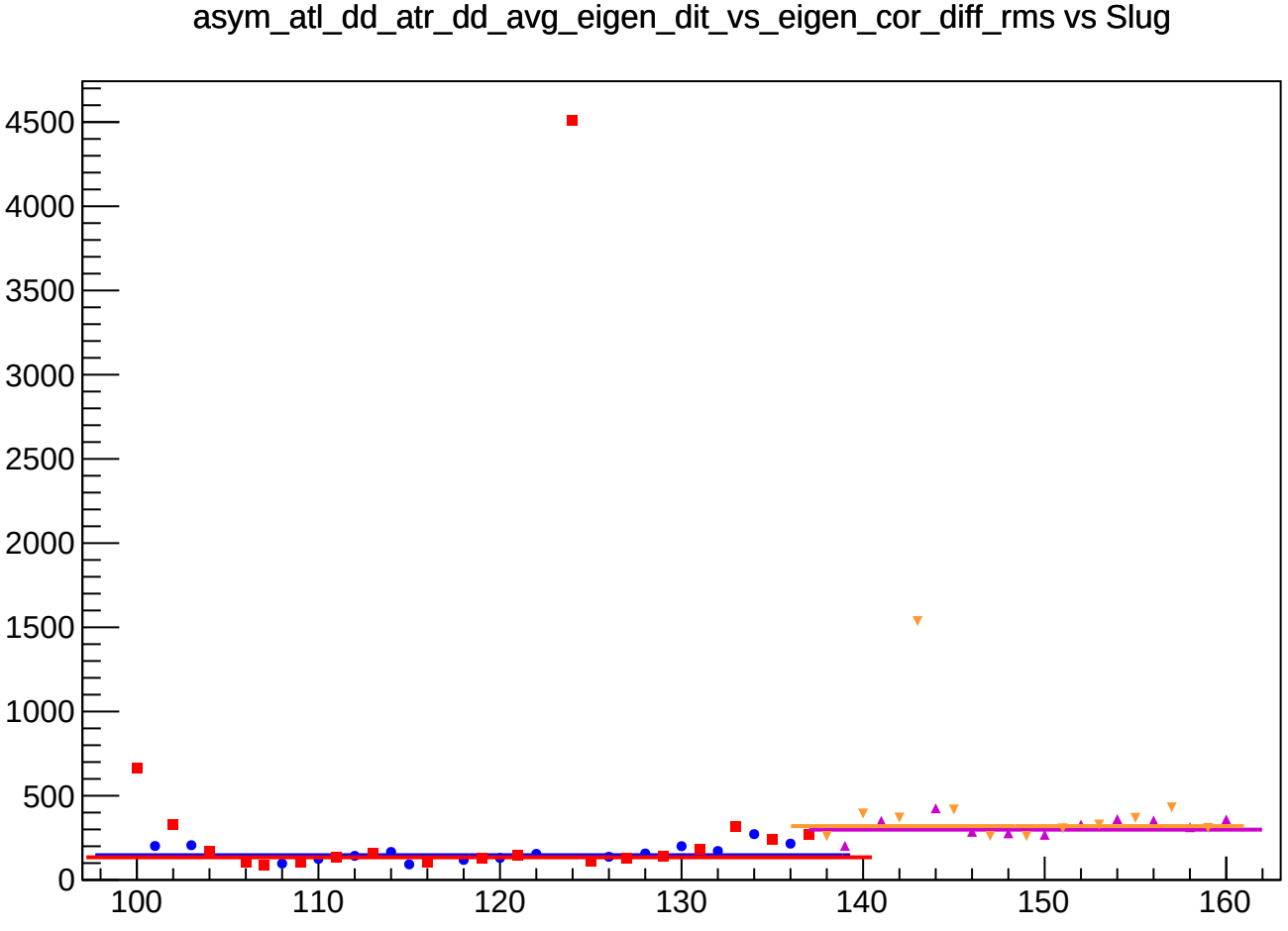
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

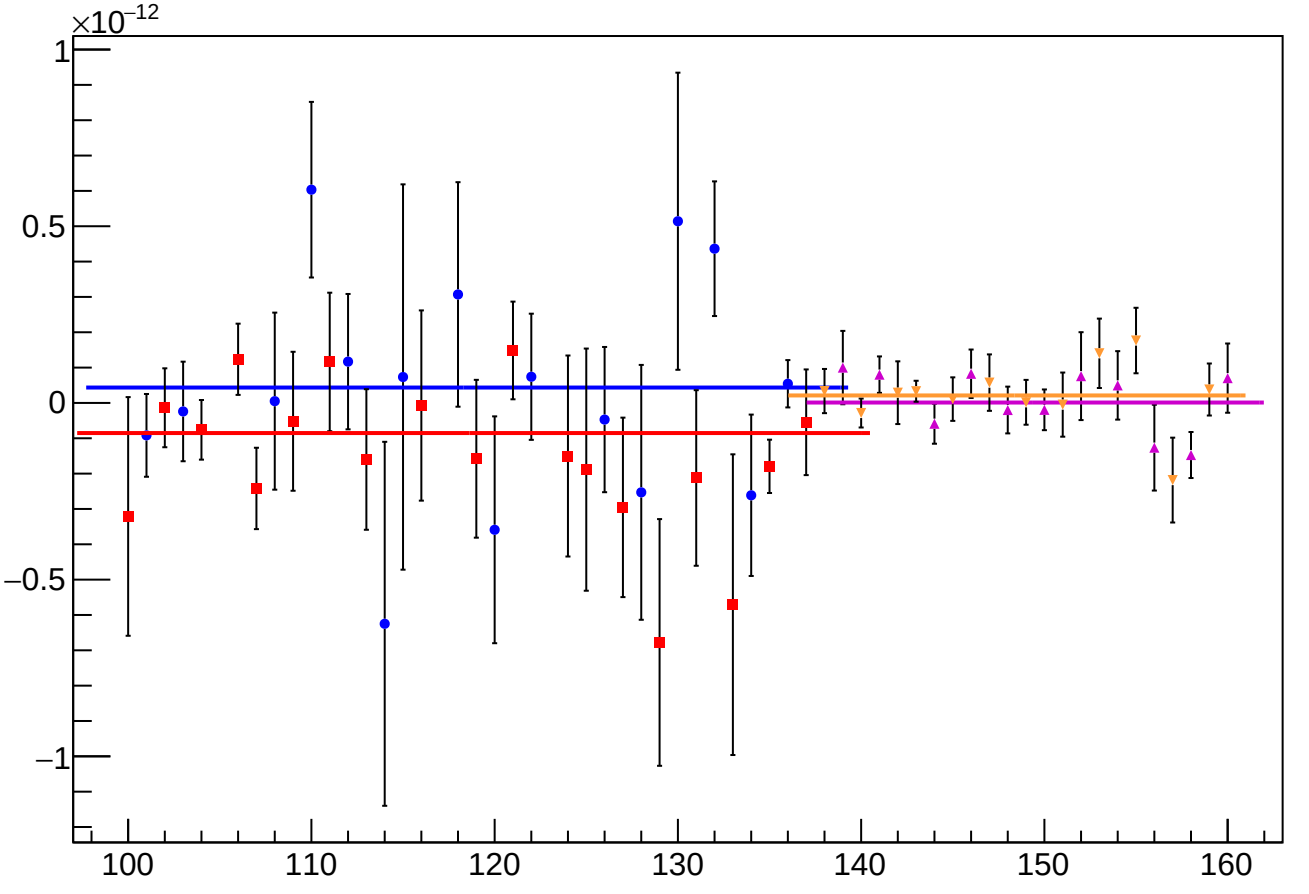
Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.020+/-0.035 χ^2/NDF: 61.9/57

- 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: 319.656+/-0.077 χ²/NDF:1573890.2/11
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 298.748+/-0.070 χ²/NDF:732753.4/10
+ sign 184.768+/-0.036 χ²/NDF: 6511183.9/27
All: 178.378+/-0.025 χ²/NDF: 13092186.8/57
- 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:10.4/11

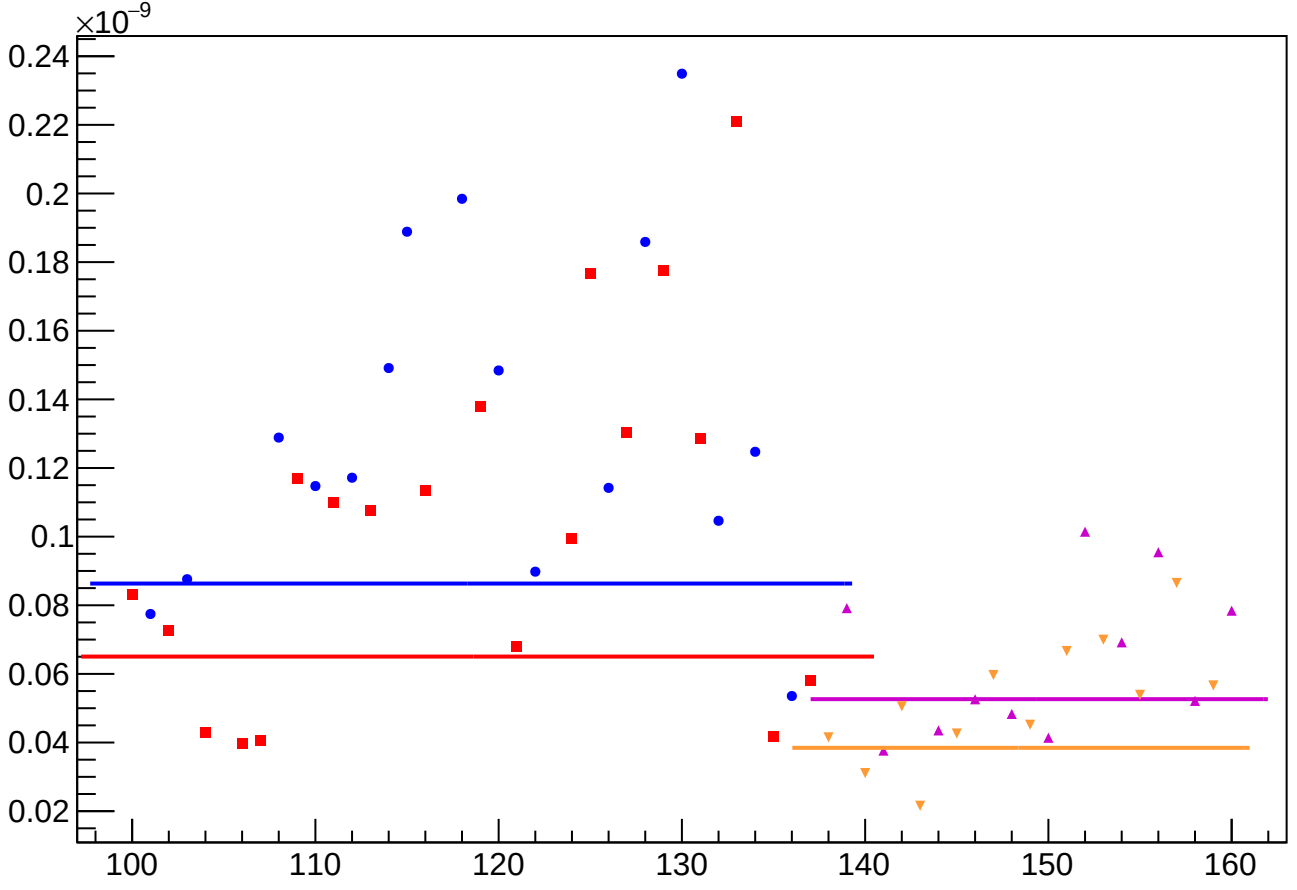
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/27

All: 0.000+/-0.000 χ^2/NDF: 69.7/57

- 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:1825264.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

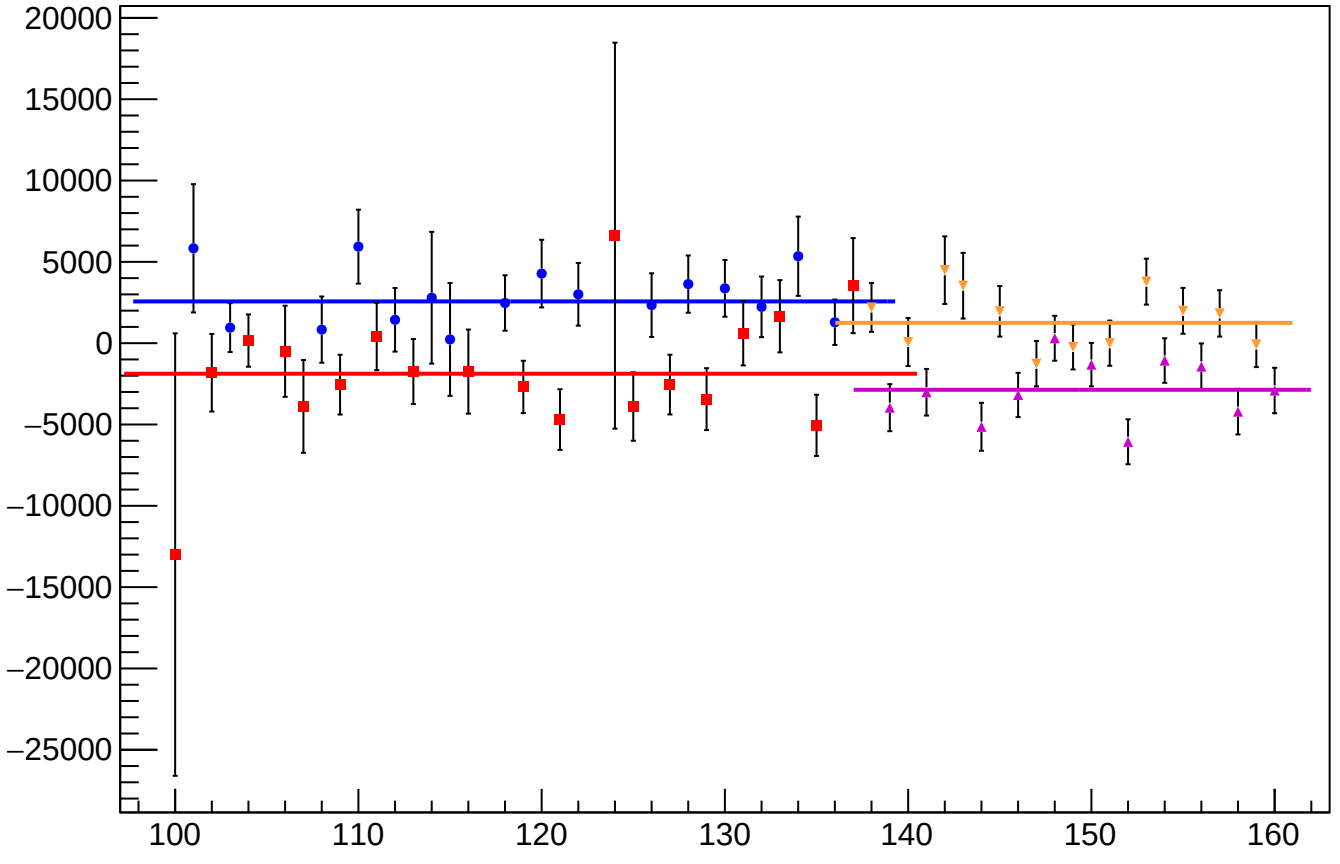
Left In: 0.000+/-0.000 χ^2/NDF:1189787.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 5550588.3/27

All: 0.000+/-0.000 χ^2/NDF: 9501466.3/57

- 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: 1251.808+/-431.852 χ^2/NDF:14.7/11

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

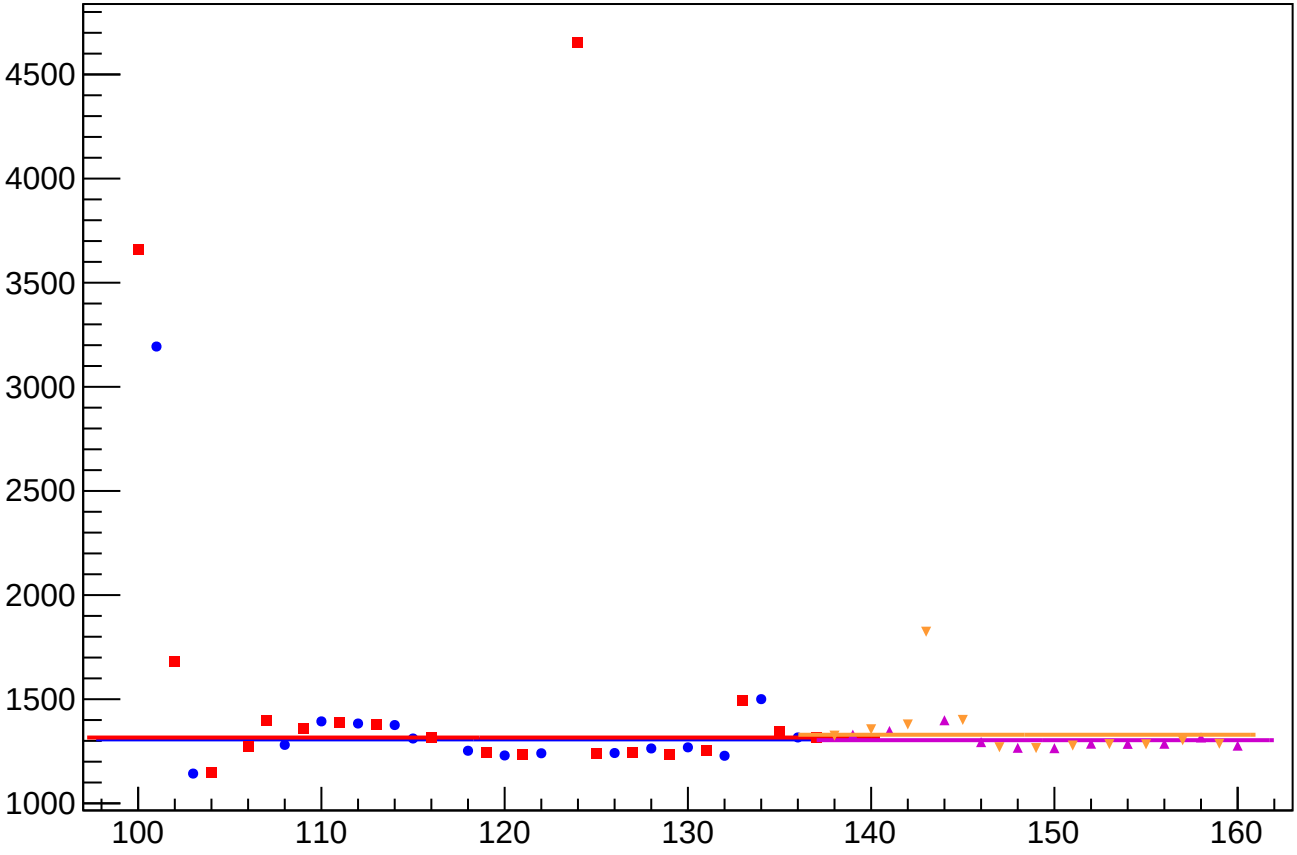
Left In: -2866.009+/-421.720 χ^2/NDF:18.6/10

+ sign 1819.935+/-325.519 χ^2/NDF: 27.8/27

All: -345.405+/-228.540 χ^2/NDF: 155.5/57

- 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: 1329.362+/-0.305 χ^2/NDF:143586.7/11

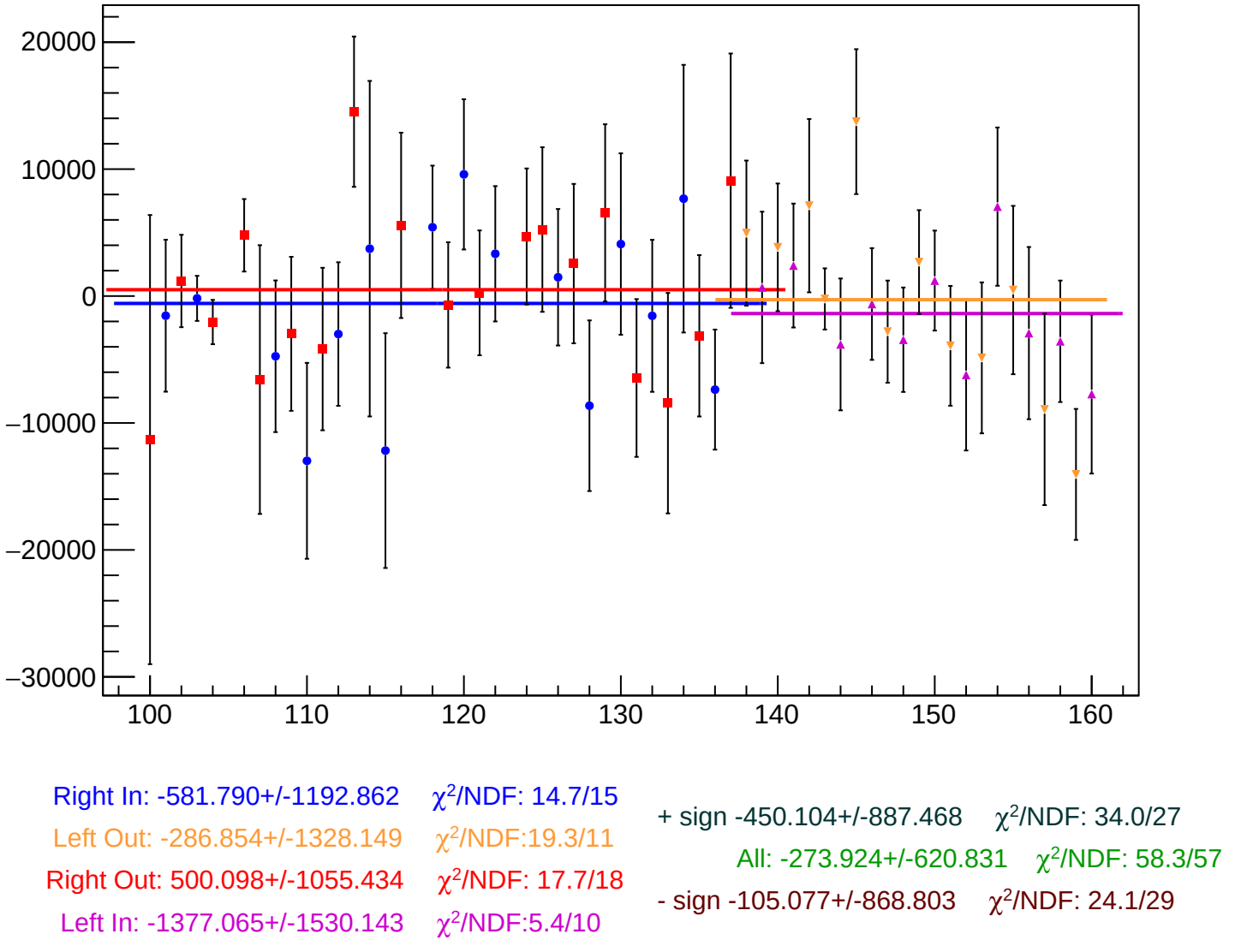
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

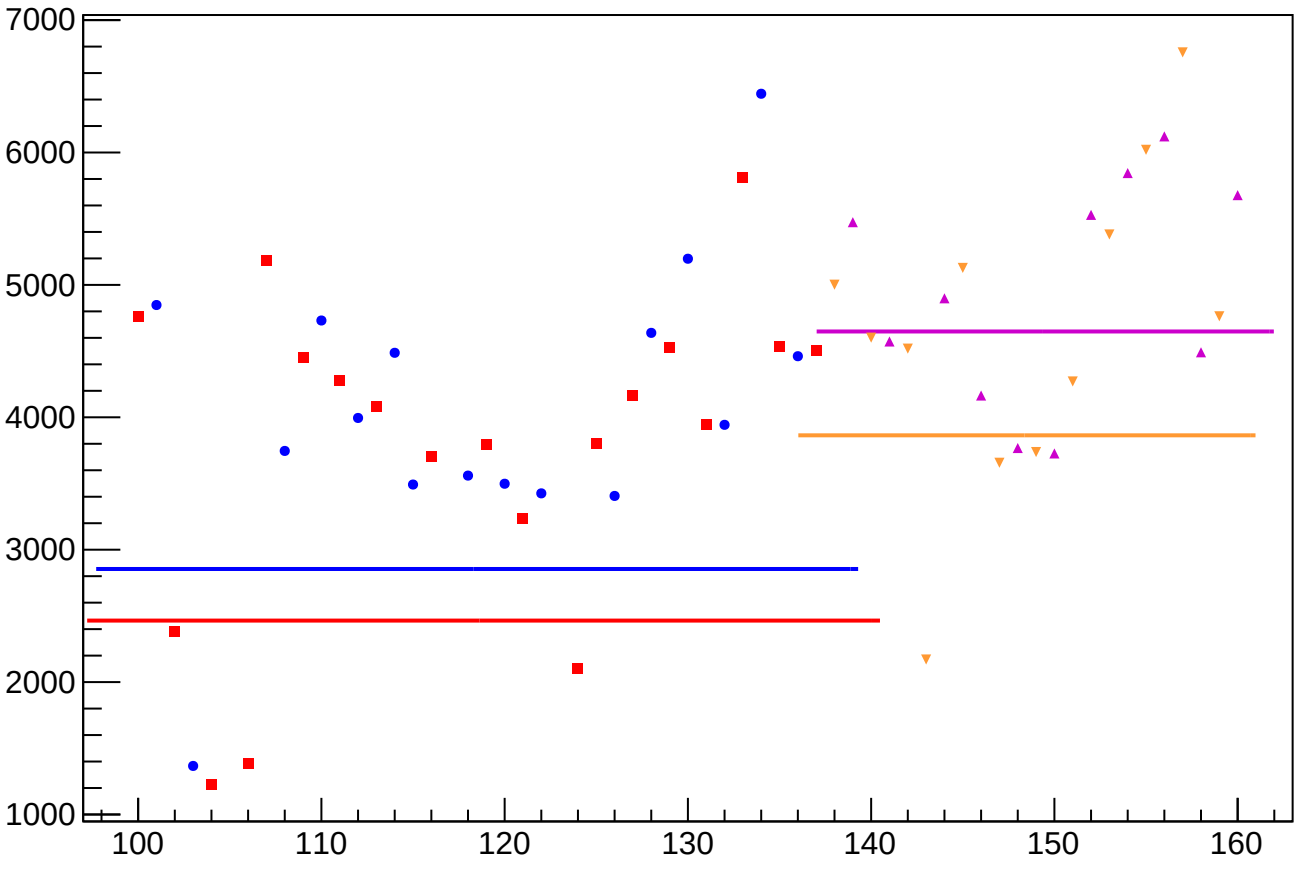
Left In: 1303.251+/-0.298 χ^2/NDF:15935.5/10

+ sign 1319.735+/-0.230 χ^2/NDF: 662137.3/27

All: 1314.099+/-0.162 χ^2/NDF: 1006445.3/57

- sign 1308.633+/-0.227 χ^2/NDF: 343126.9/29


asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -581.790+/-1192.862 χ²/NDF: 14.7/15
Left Out: -286.854+/-1328.149 χ²/NDF:19.3/11
Right Out: 500.098+/-1055.434 χ²/NDF: 17.7/18
Left In: -1377.065+/-1530.143 χ²/NDF:5.4/10
+ sign -450.104+/-887.468 χ²/NDF: 34.0/27
All: -273.924+/-620.831 χ²/NDF: 58.3/57
- sign -105.077+/-868.803 χ²/NDF: 24.1/29



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3863.857+/-0.939 χ^2/NDF:1944197.7/11

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

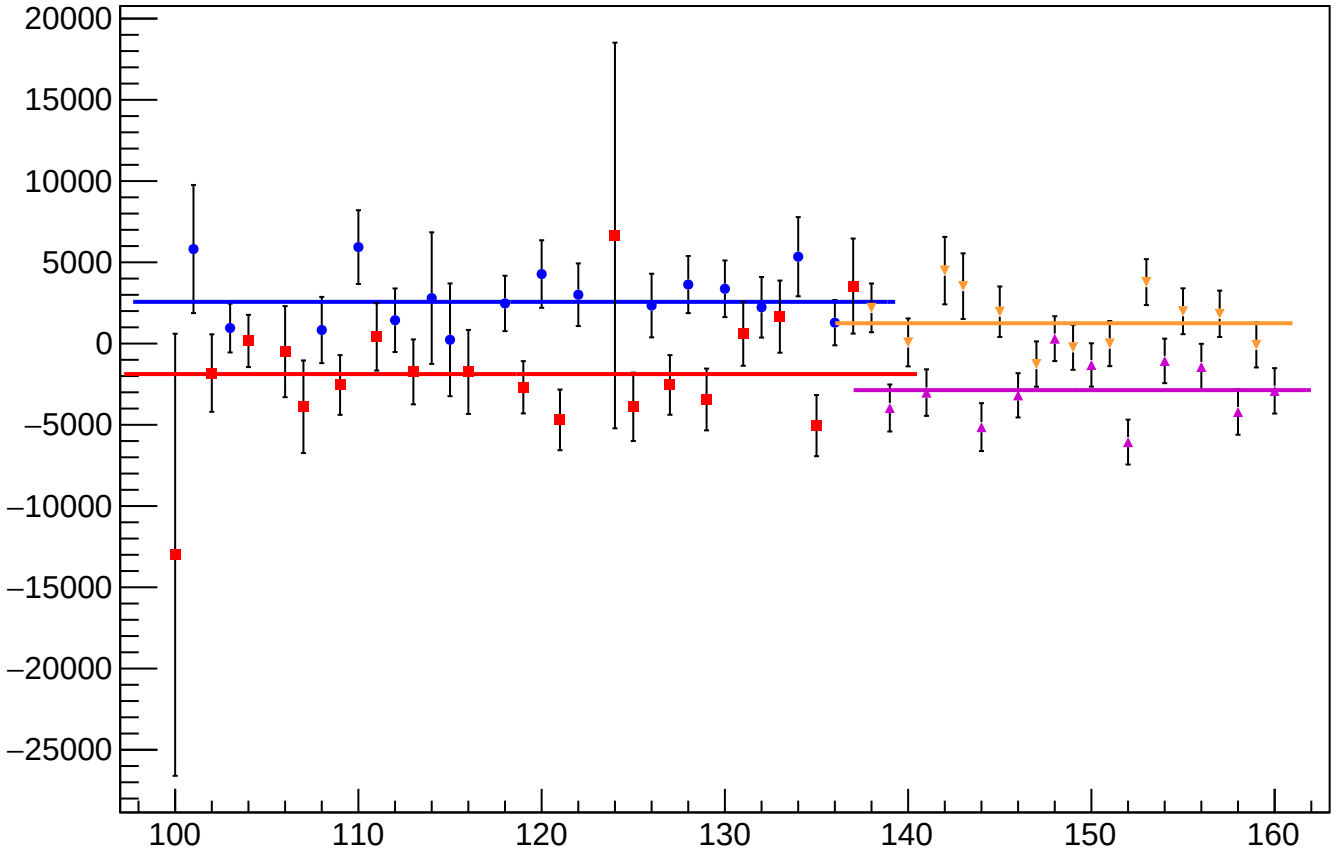
Left In: 4648.208+/-1.082 χ^2/NDF:536519.9/10

+ sign 3305.057+/-0.628 χ^2/NDF: 5488641.9/27

All: 3235.360+/-0.439 χ^2/NDF: 12165203.0/5

- sign 3168.565+/-0.614 χ^2/NDF: 6652404.1/29

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1251.742+/-431.852 χ^2/NDF:14.7/11

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

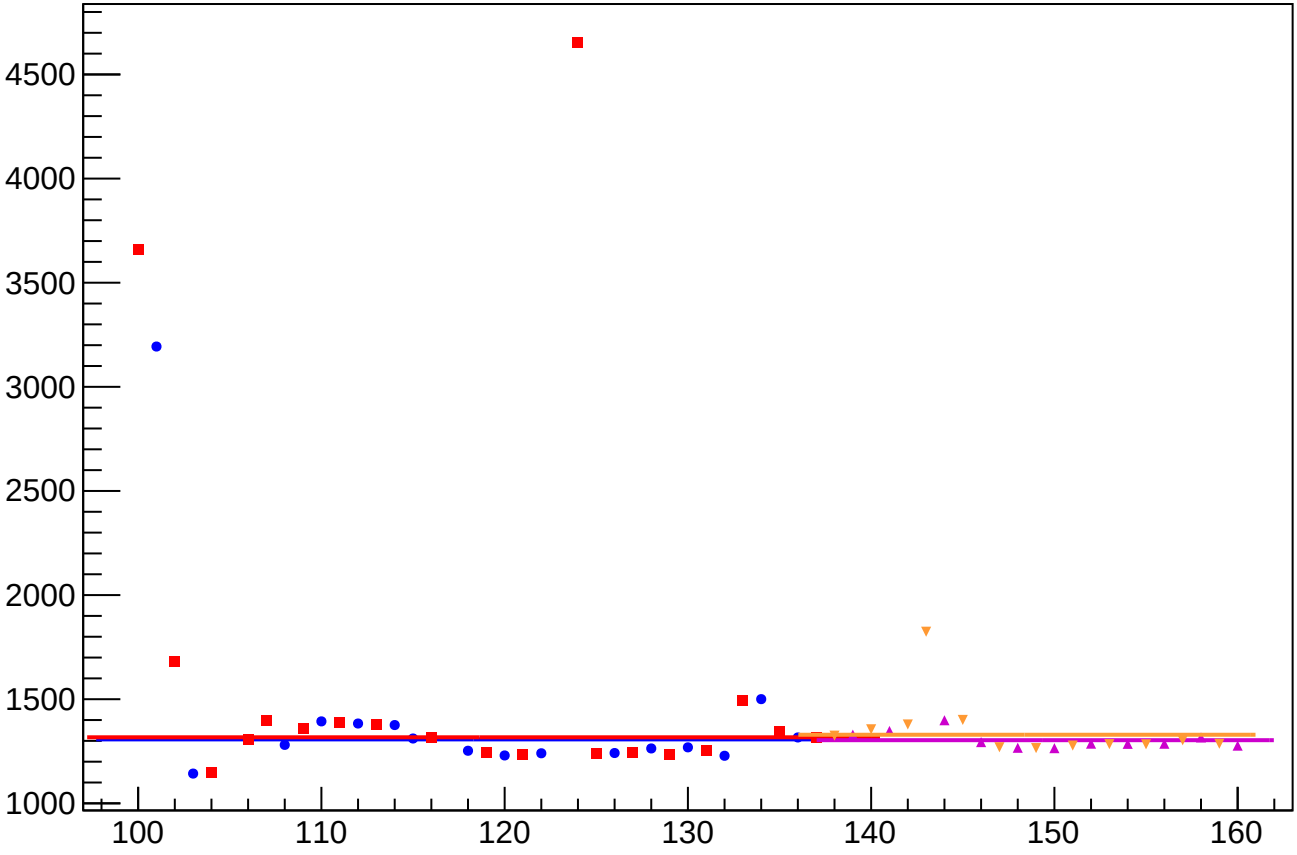
Left In: -2866.098+/-421.720 χ^2/NDF:18.6/10

+ sign 1819.777+/-325.519 χ^2/NDF: 27.8/27

All: -345.455+/-228.540 χ^2/NDF: 155.5/57

- 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: 1329.362+/-0.305 χ^2/NDF:143586.7/11

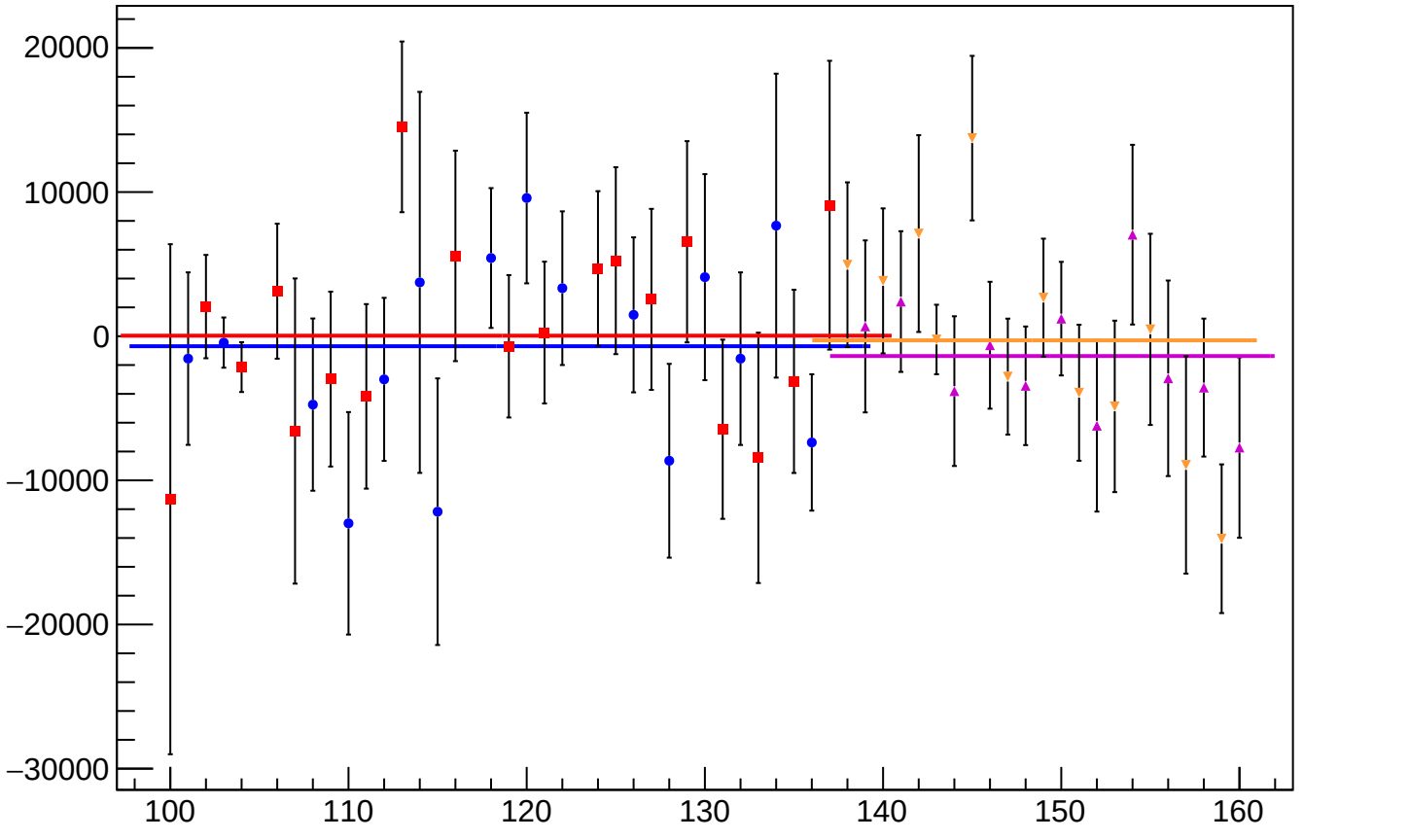
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1303.251+/-0.298 χ^2/NDF:15935.5/10

+ sign 1319.735+/-0.230 χ^2/NDF: 662138.9/27

All: 1314.340+/-0.162 χ^2/NDF: 1005997.0/57

- 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: -286.895+/-1328.143 χ^2/NDF:19.3/11

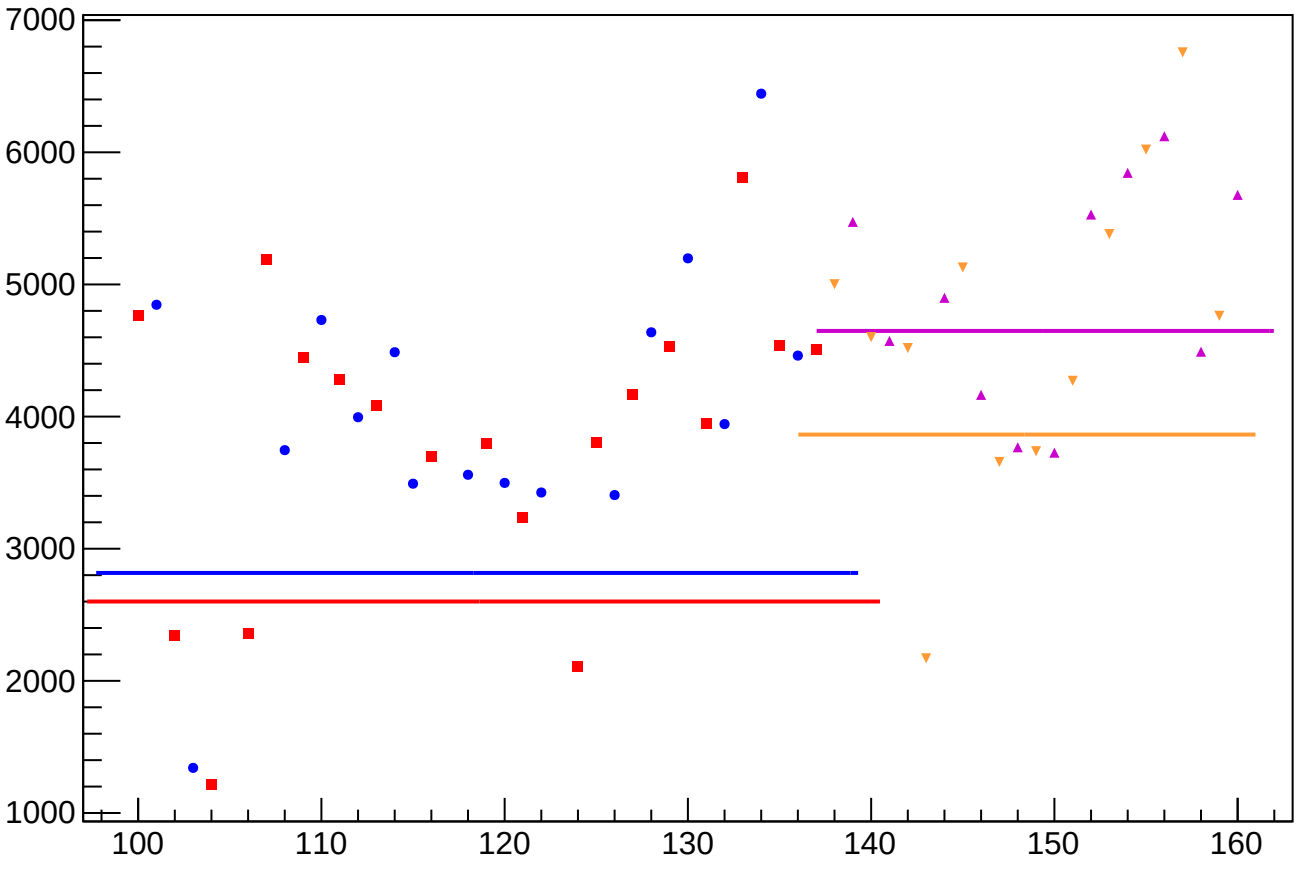
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1377.147+/-1530.143 χ^2/NDF:5.4/10

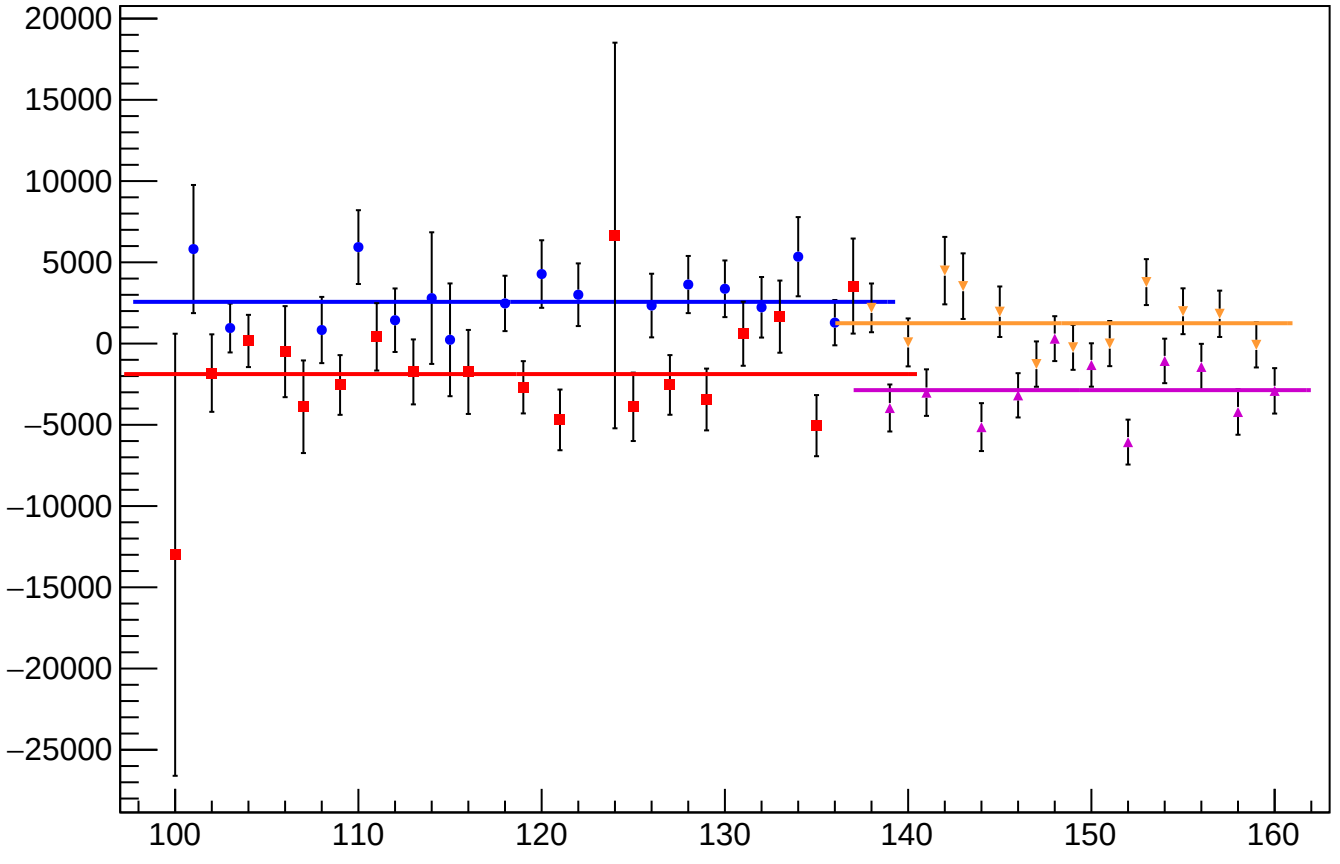
+ sign -514.693+/-883.147 χ^2/NDF: 34.0/27

All: -479.891+/-627.655 χ^2/NDF: 55.9/57

- sign -444.372+/-892.198 χ^2/NDF: 21.9/29


asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 2816.784+/-0.836 χ²/NDF: 3007570.0/15
Left Out: 3863.833+/-0.939 χ²/NDF:1944259.9/11
Right Out: 2600.524+/-0.777 χ²/NDF: 3080771.9/18
Left In: 4648.207+/-1.082 χ²/NDF:536526.4/10
+ sign 3279.743+/-0.624 χ²/NDF: 5645235.2/27
All: 3288.137+/-0.444 χ²/NDF: 11626890.6/5
- sign 3296.704+/-0.631 χ²/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: 1251.742+/-431.852 χ^2/NDF:14.7/11

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

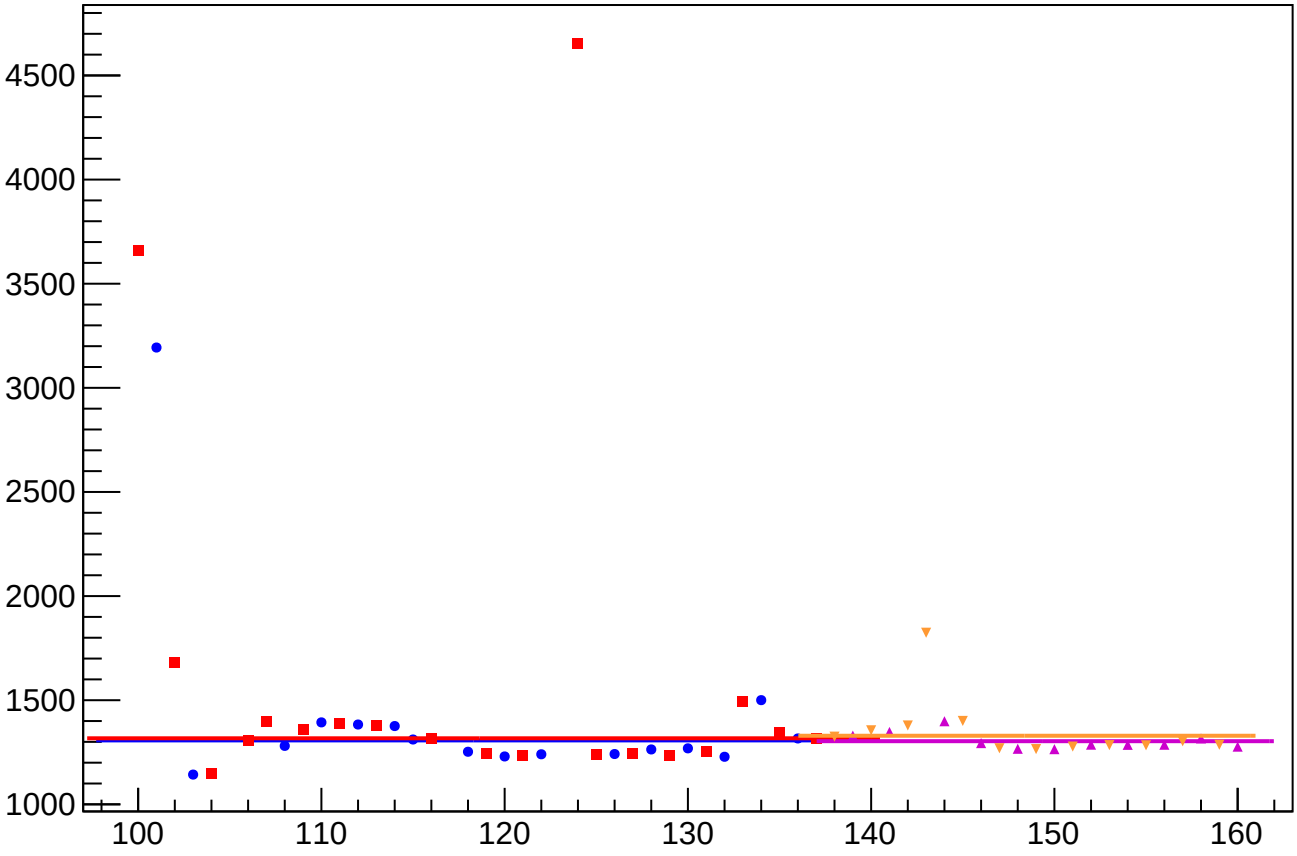
Left In: -2866.098+/-421.720 χ^2/NDF:18.6/10

+ sign 1819.777+/-325.519 χ^2/NDF: 27.8/27

All: -345.455+/-228.540 χ^2/NDF: 155.5/57

- 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: 1329.362+/-0.305 χ^2/NDF:143586.7/11

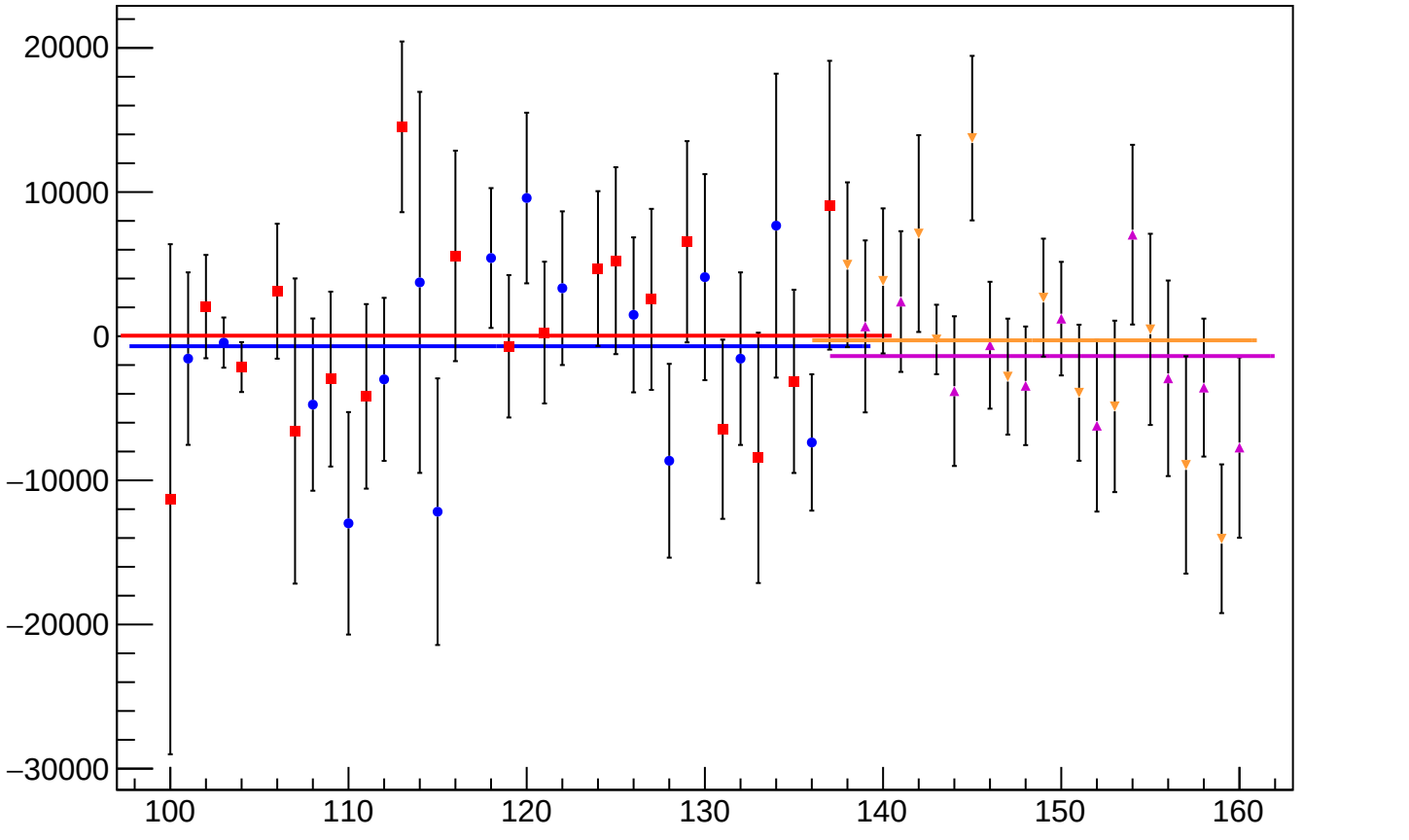
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1303.251+/-0.298 χ^2/NDF:15935.5/10

+ sign 1319.735+/-0.230 χ^2/NDF: 662138.9/27

All: 1314.340+/-0.162 χ^2/NDF: 1005997.0/57

- 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: -286.895+/-1328.143 χ^2/NDF:19.3/11

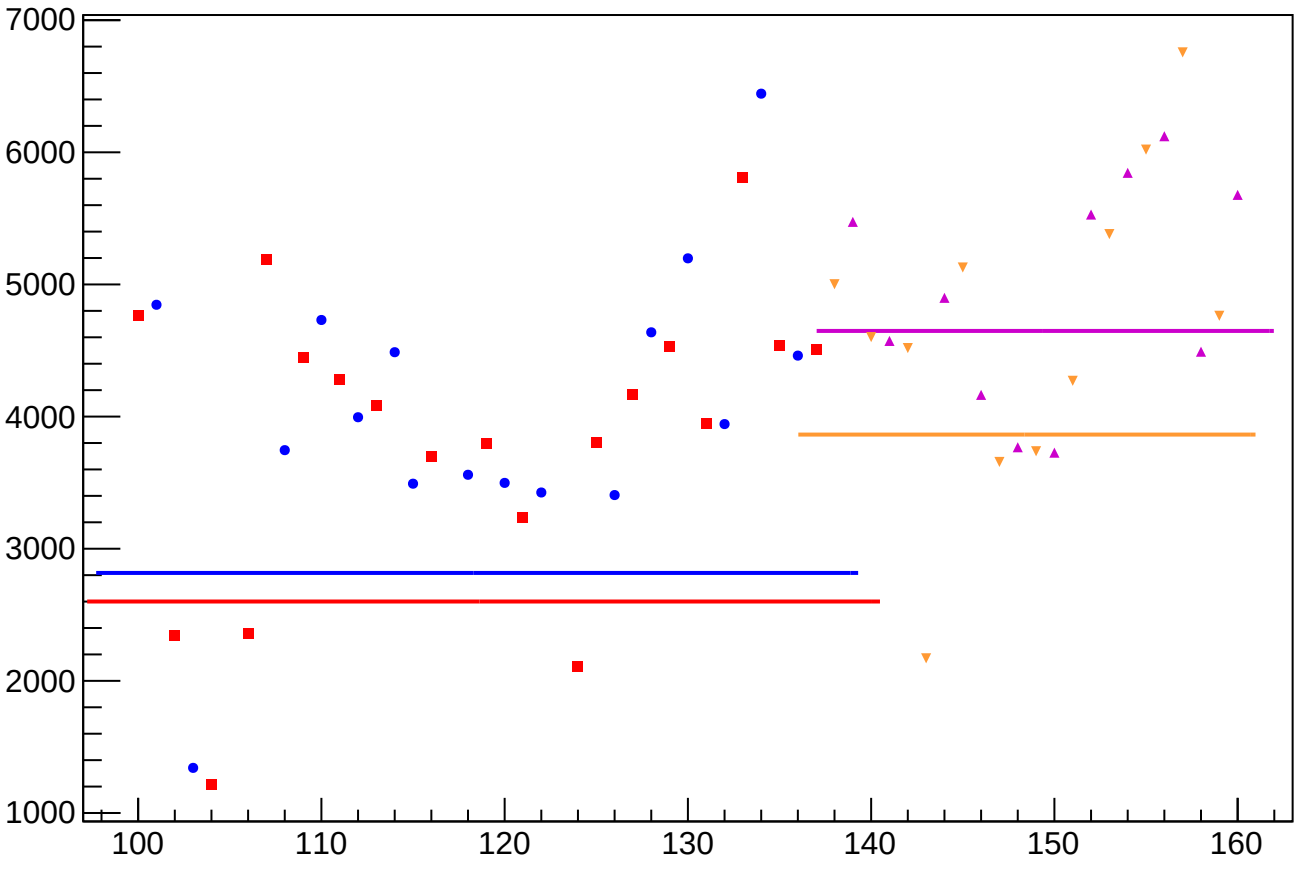
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -1377.147+/-1530.143 χ^2/NDF:5.4/10

+ sign -514.693+/-883.147 χ^2/NDF: 34.0/27

All: -479.891+/-627.655 χ^2/NDF: 55.9/57

- 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: 3863.833+/-0.939 χ^2/NDF:1944259.9/11

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

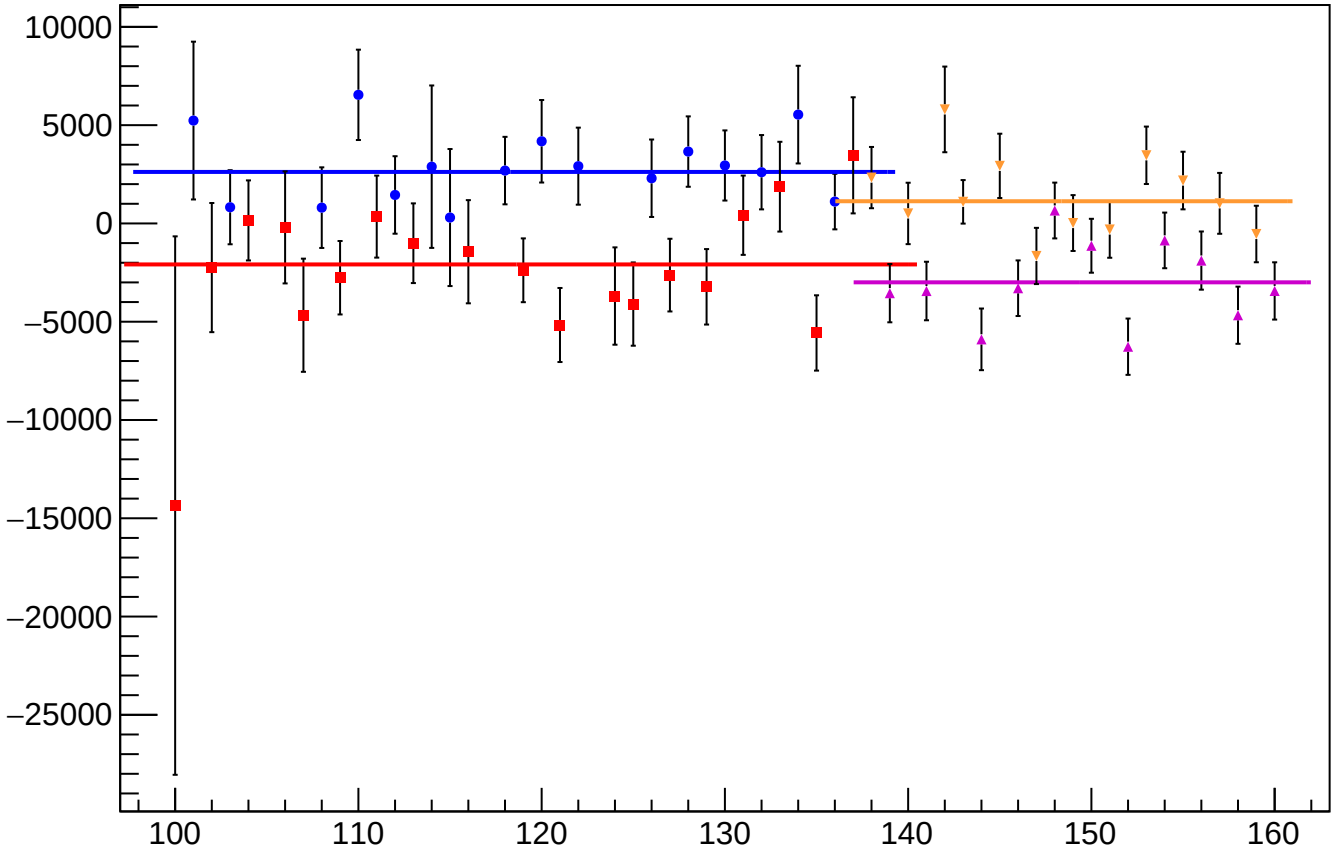
Left In: 4648.207+/-1.082 χ^2/NDF:536526.4/10

+ sign 3279.743+/-0.624 χ^2/NDF: 5645235.2/27

All: 3288.137+/-0.444 χ^2/NDF: 11626890.6/5

- 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: 1129.448+/-425.441 χ^2/NDF:16.4/11

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

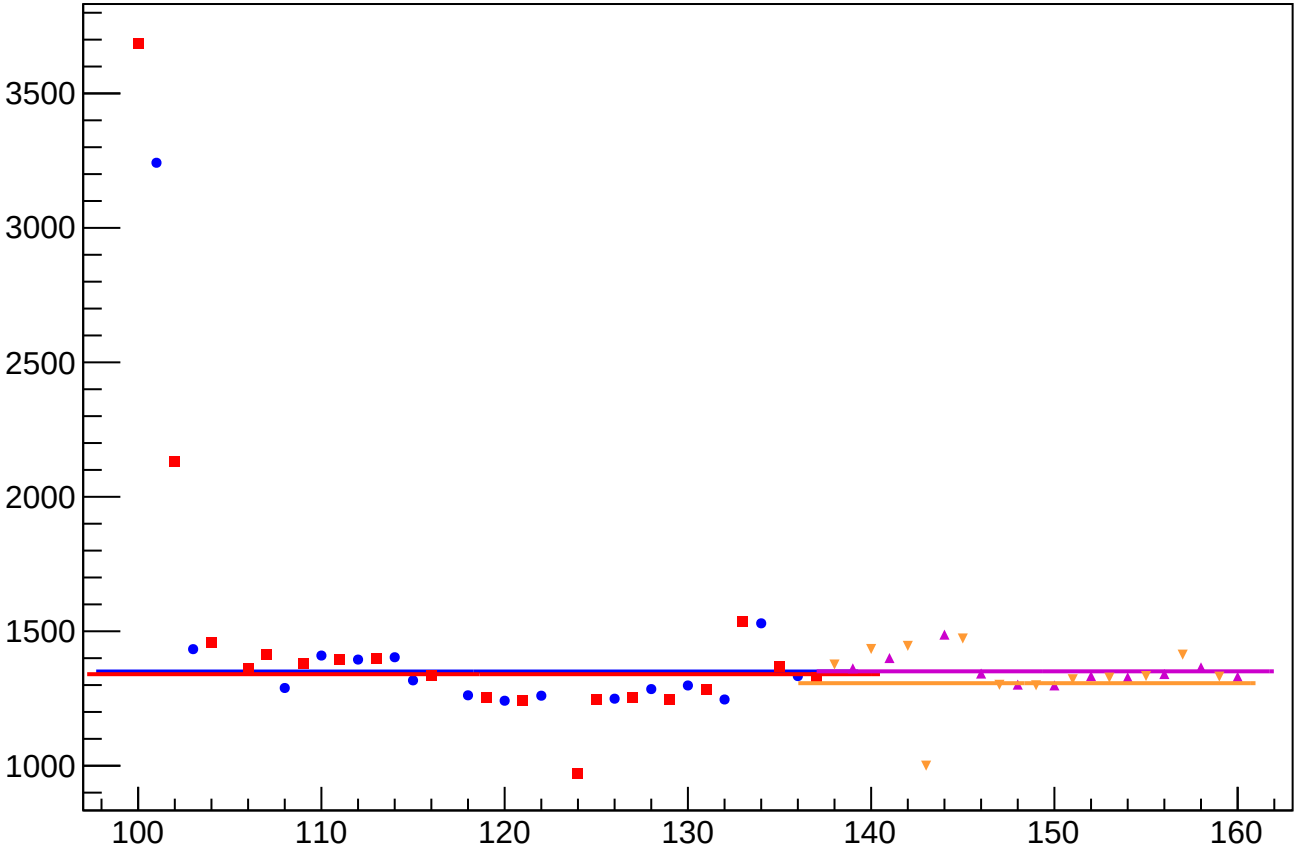
Left In: -2996.309+/-437.333 χ^2/NDF:21.6/10

\+ sign 1739.166+/-327.090 χ^2/NDF: 30.7/27

All: -410.441+/-232.505 χ^2/NDF: 162.5/57

\- 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: 1306.984+/-0.301 χ^2/NDF:210734.0/11

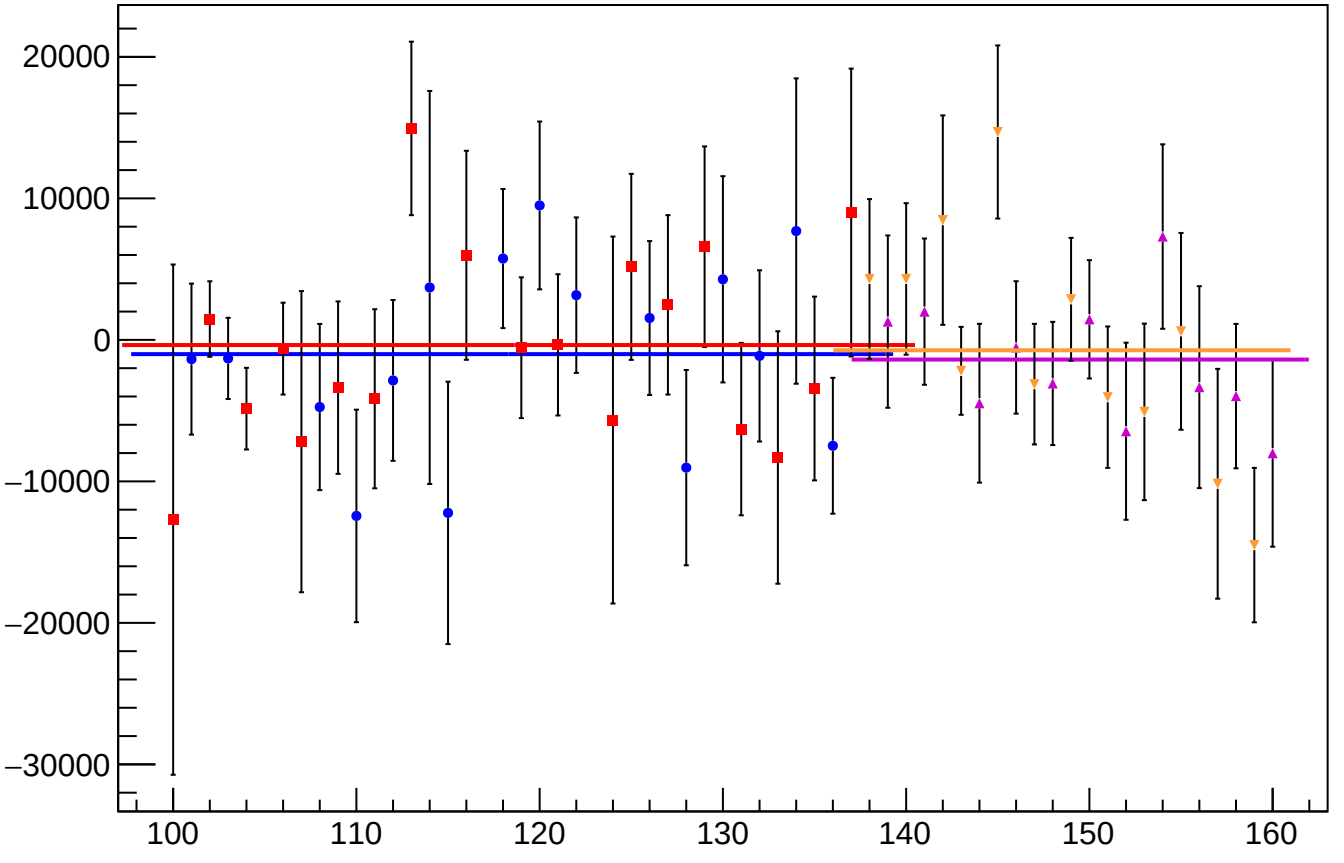
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1351.067+/-0.309 χ^2/NDF:24336.4/10

+ sign 1324.725+/-0.231 χ^2/NDF: 713289.6/27

All: 1335.502+/-0.164 χ^2/NDF: 1014704.7/57

- 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: -733.768+/-1477.570 χ^2/NDF:19.5/11

Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

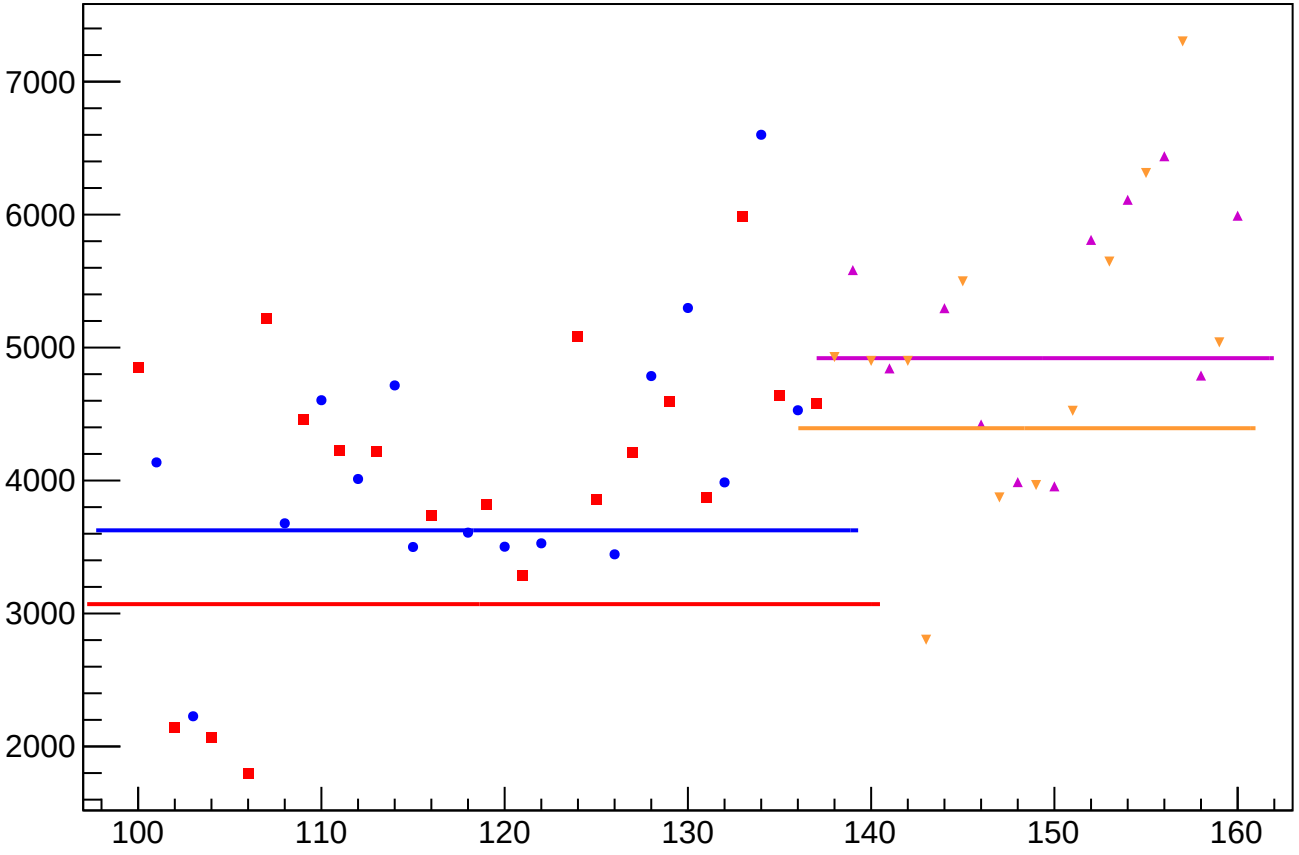
Left In: -1390.441+/-1618.399 χ^2/NDF:5.3/10

+ sign -877.180+/-1017.968 χ^2/NDF: 34.1/27

All: -799.375+/-700.421 χ^2/NDF: 55.9/57

- sign -729.424+/-965.224 χ^2/NDF: 21.8/29

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4393.494+/-1.045 χ^2/NDF:1202843.6/11

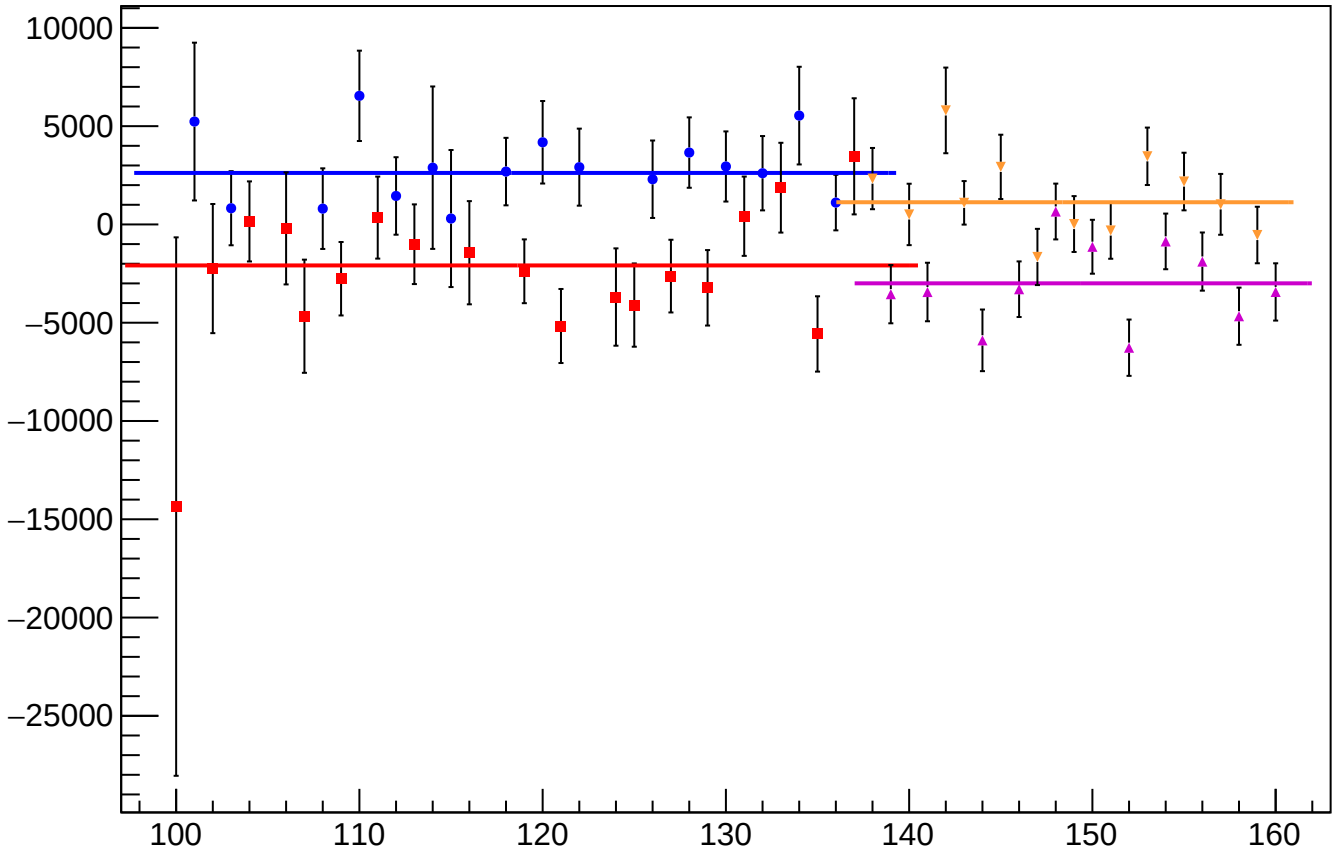
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4920.300+/-1.144 χ^2/NDF:505472.5/10

\+ sign 3990.033+/-0.720 χ^2/NDF: 2431597.1/27

All: 3852.284+/-0.495 χ^2/NDF: 6528814.3/57

\- sign 3728.439+/-0.683 χ^2/NDF: 4027669.9/29



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1129.444+/-425.442 χ^2/NDF:16.4/11

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

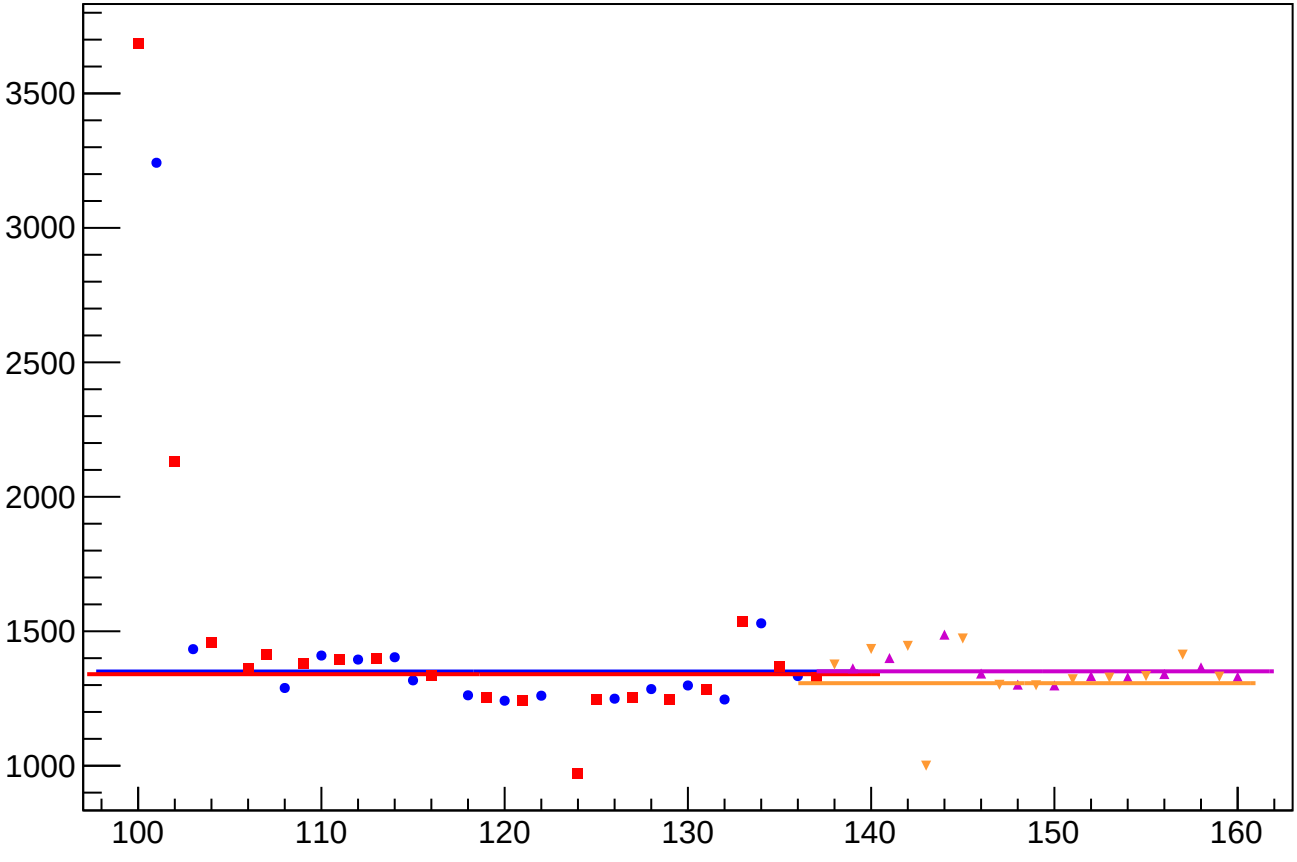
Left In: -2996.308+/-437.334 χ^2/NDF:21.6/10

+ sign 1739.164+/-327.090 χ^2/NDF: 30.7/27

All: -410.441+/-232.505 χ^2/NDF: 162.5/57

- 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: 1306.986+/-0.301 χ^2/NDF:210734.4/11

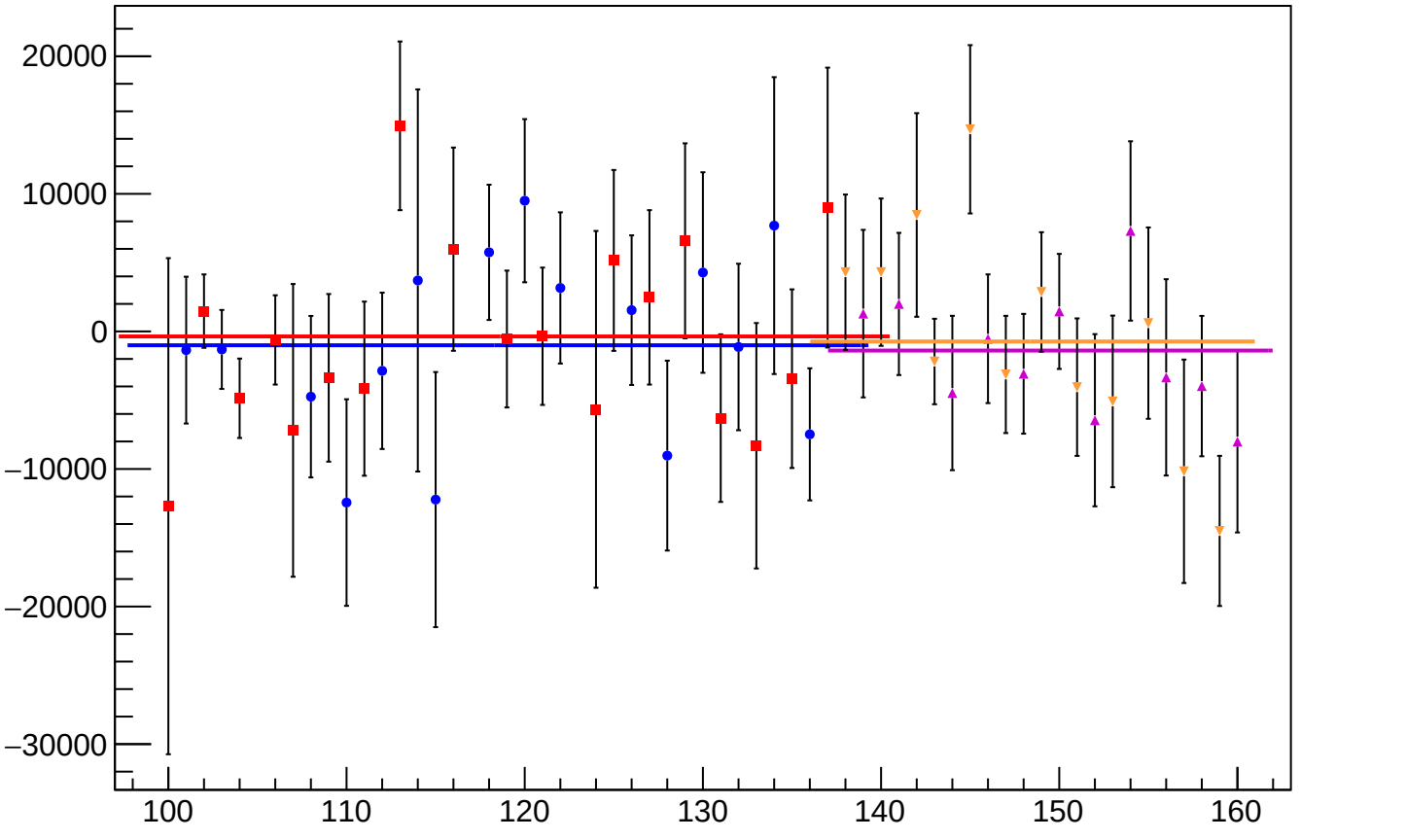
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1351.068+/-0.309 χ^2/NDF:24336.6/10

+ sign 1324.725+/-0.231 χ^2/NDF: 713289.5/27

All: 1335.502+/-0.164 χ^2/NDF: 1014704.1/57

- 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: -733.774+/-1477.572 χ^2/NDF:19.5/11

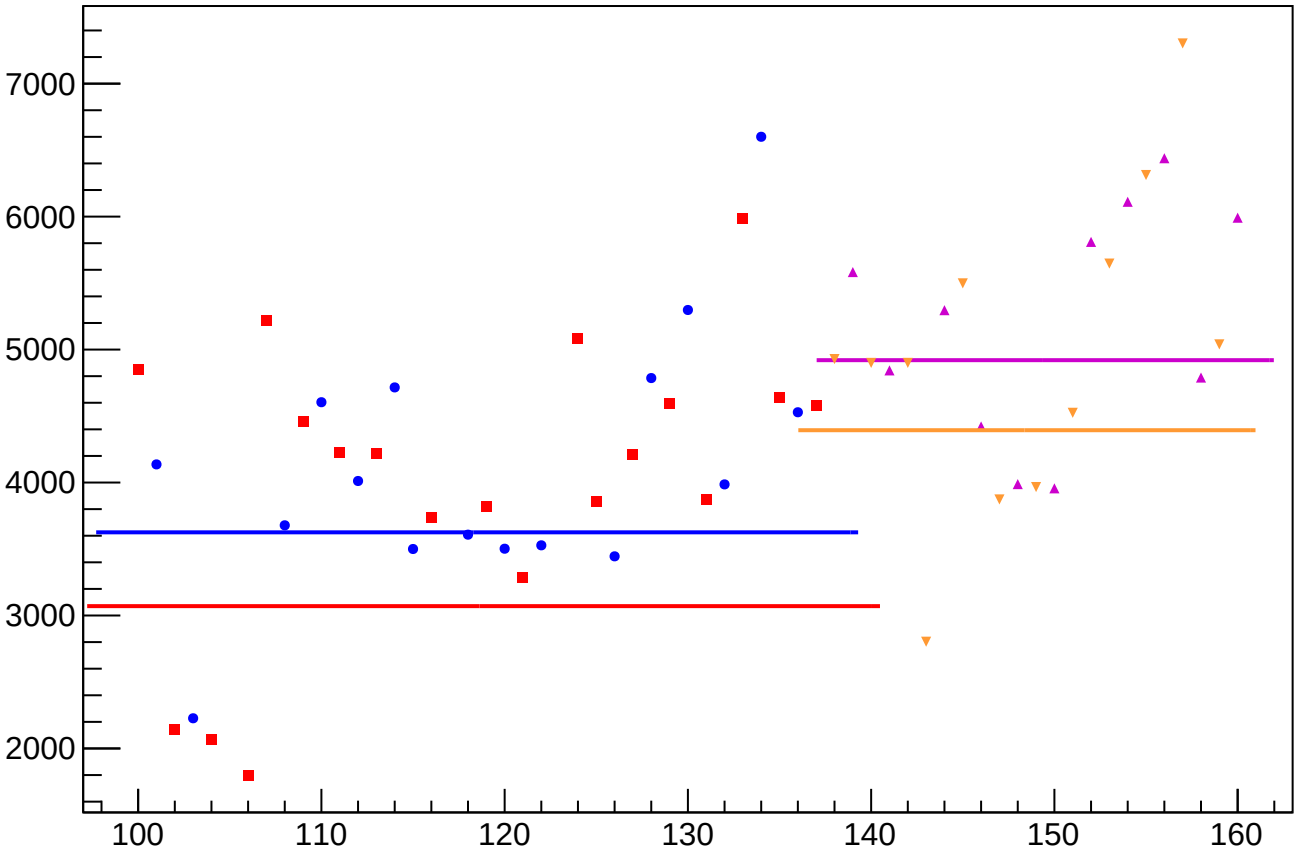
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -1390.440+/-1618.401 χ^2/NDF:5.3/10

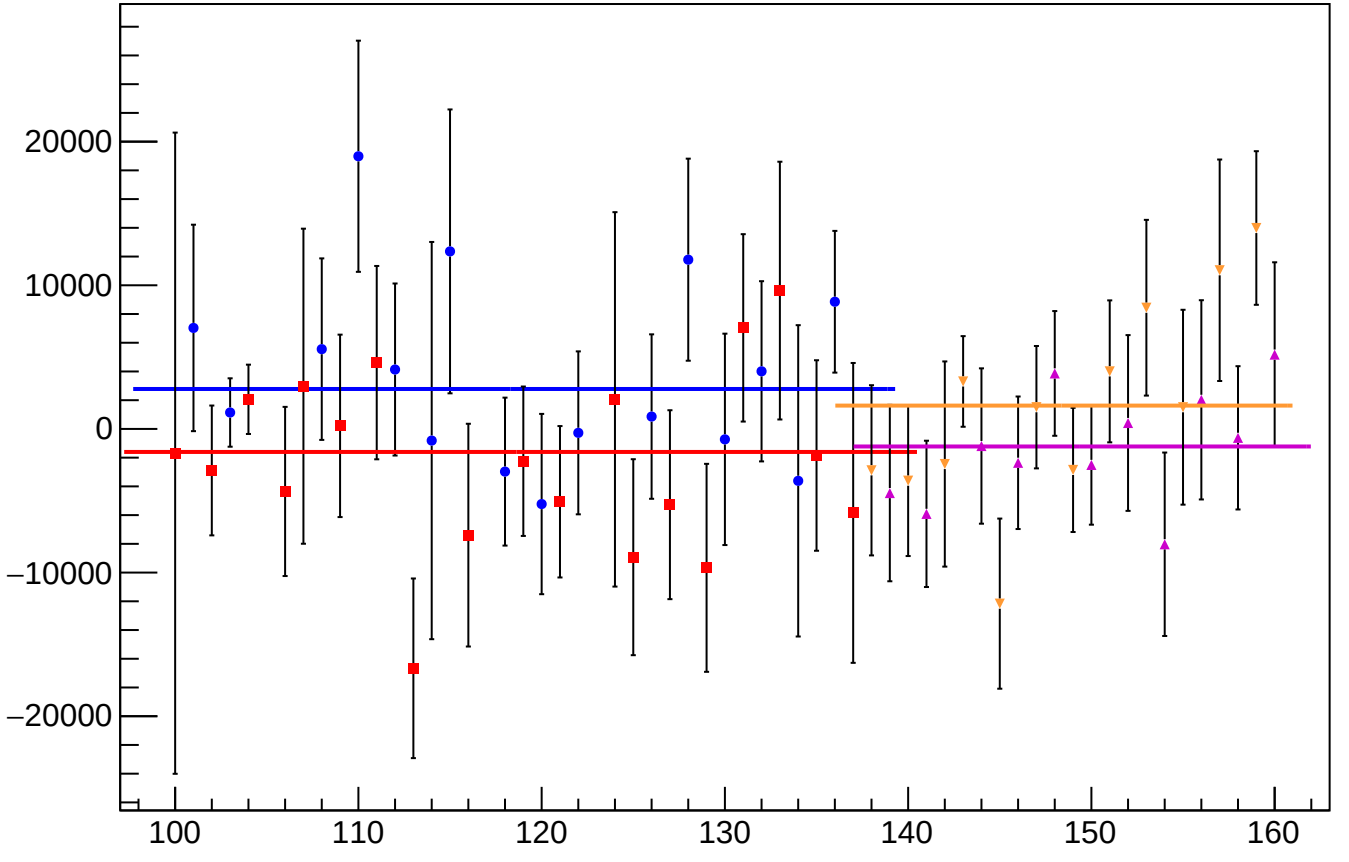
+ sign -877.179+/-1017.967 χ^2/NDF: 34.1/27

All: -799.374+/-700.420 χ^2/NDF: 55.9/57

- sign -729.423+/-965.223 χ^2/NDF: 21.8/29


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3625.503+/-0.993 χ²/NDF: 944907.6/15
Left Out: 4393.500+/-1.045 χ²/NDF:1202842.9/11
Right Out: 3070.434+/-0.850 χ²/NDF: 1838662.0/18
Left In: 4920.306+/-1.144 χ²/NDF:505472.8/10
+ sign 3990.030+/-0.720 χ²/NDF: 2431610.2/27
All: 3852.279+/-0.495 χ²/NDF: 6528859.8/57
- sign 3728.432+/-0.683 χ²/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: 1624.703+/-1469.250 χ^2/NDF:17.0/11

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

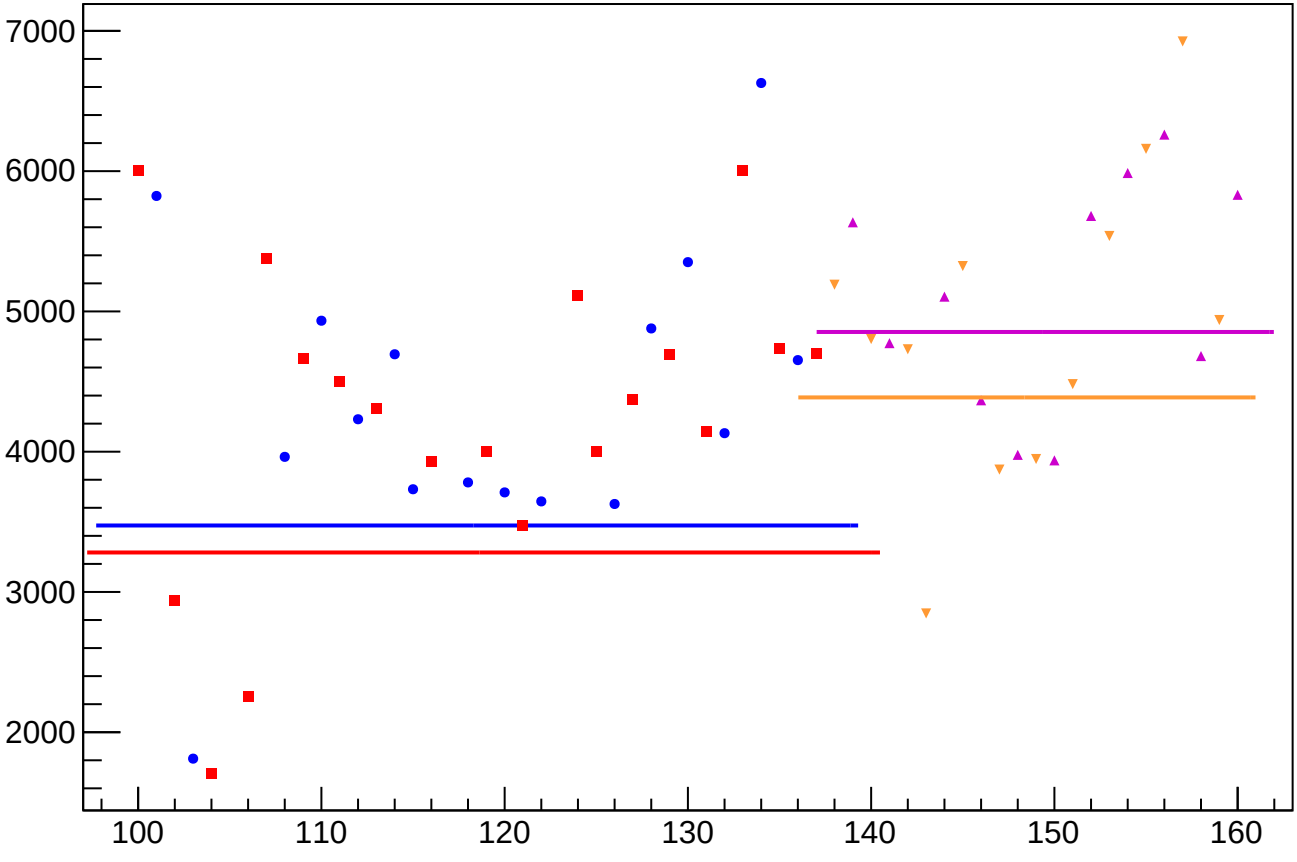
Left In: -1221.959+/-1594.106 χ^2/NDF:5.1/10

+ sign 2235.044+/-1009.518 χ^2/NDF: 30.5/27

All: 421.744+/-719.042 χ^2/NDF: 59.0/57

- 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: 4386.919+/-1.039 χ^2/NDF:1076459.4/11

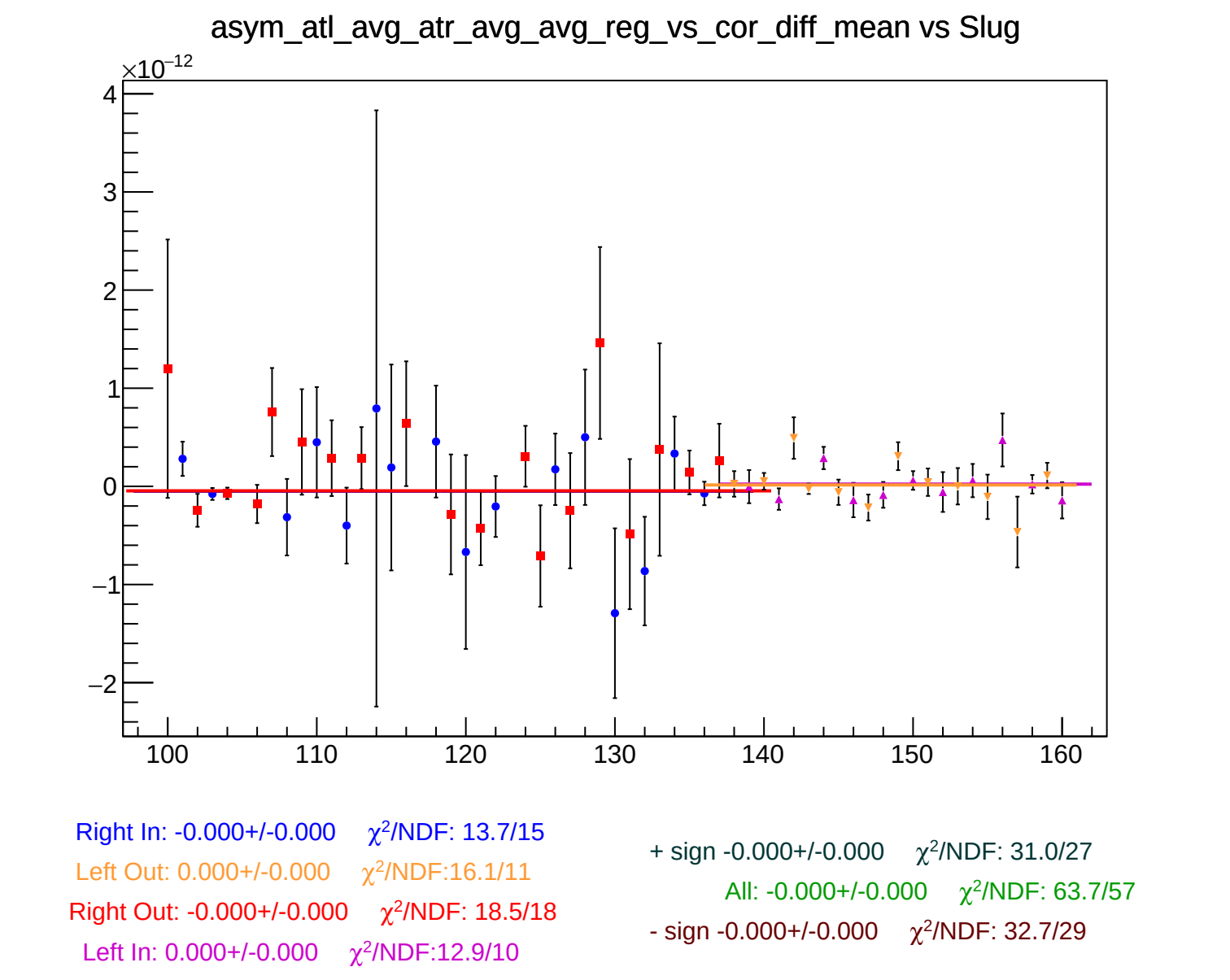
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

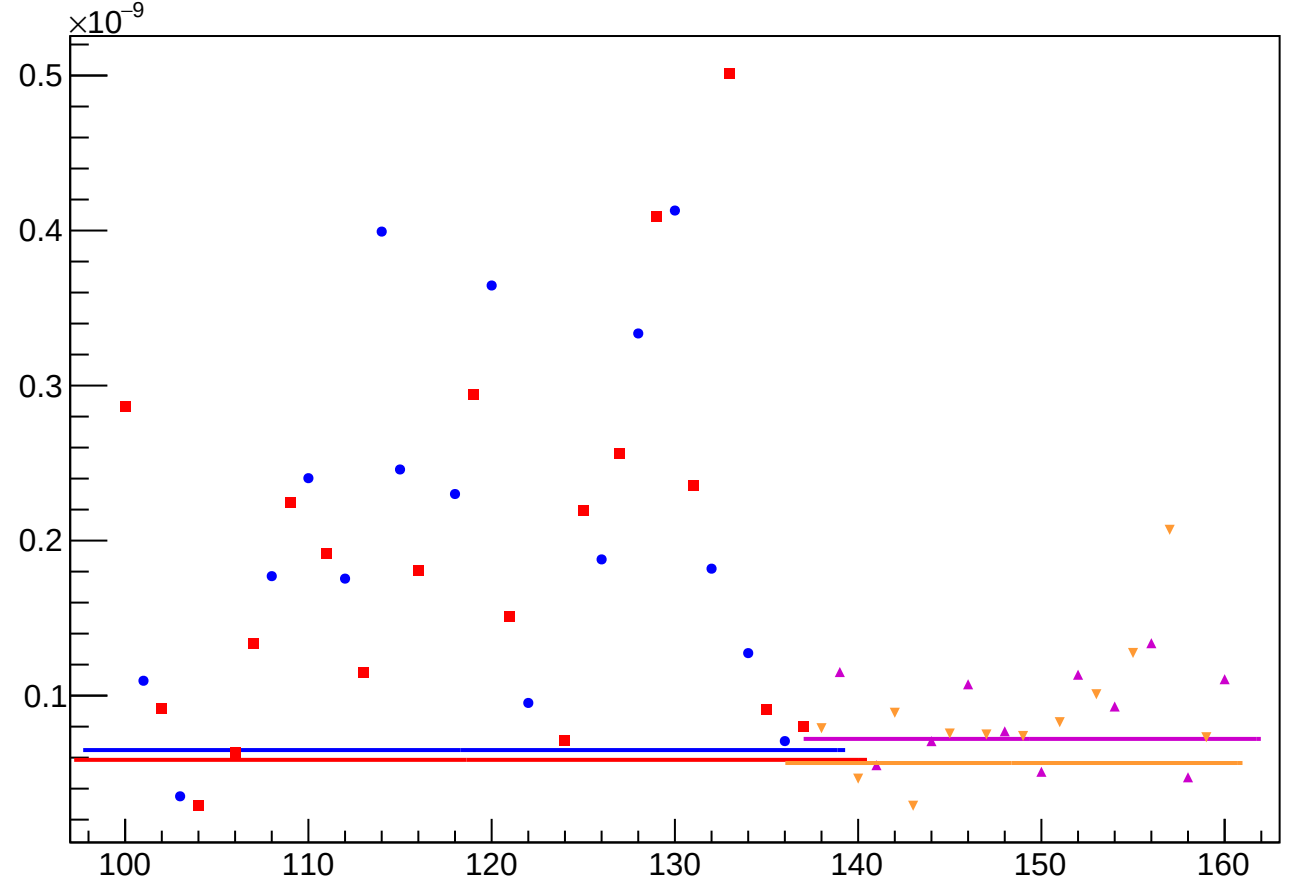
Left In: 4853.523+/-1.127 χ^2/NDF:468277.9/10

\+ sign 3904.934+/-0.714 χ^2/NDF: 3328134.7/27

All: 3912.521+/-0.506 χ^2/NDF: 6826887.3/57

\- 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:16.1/11
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: 31.0/27
All: -0.000+/-0.000 χ²/NDF: 63.7/57
- 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:1553082.7/11

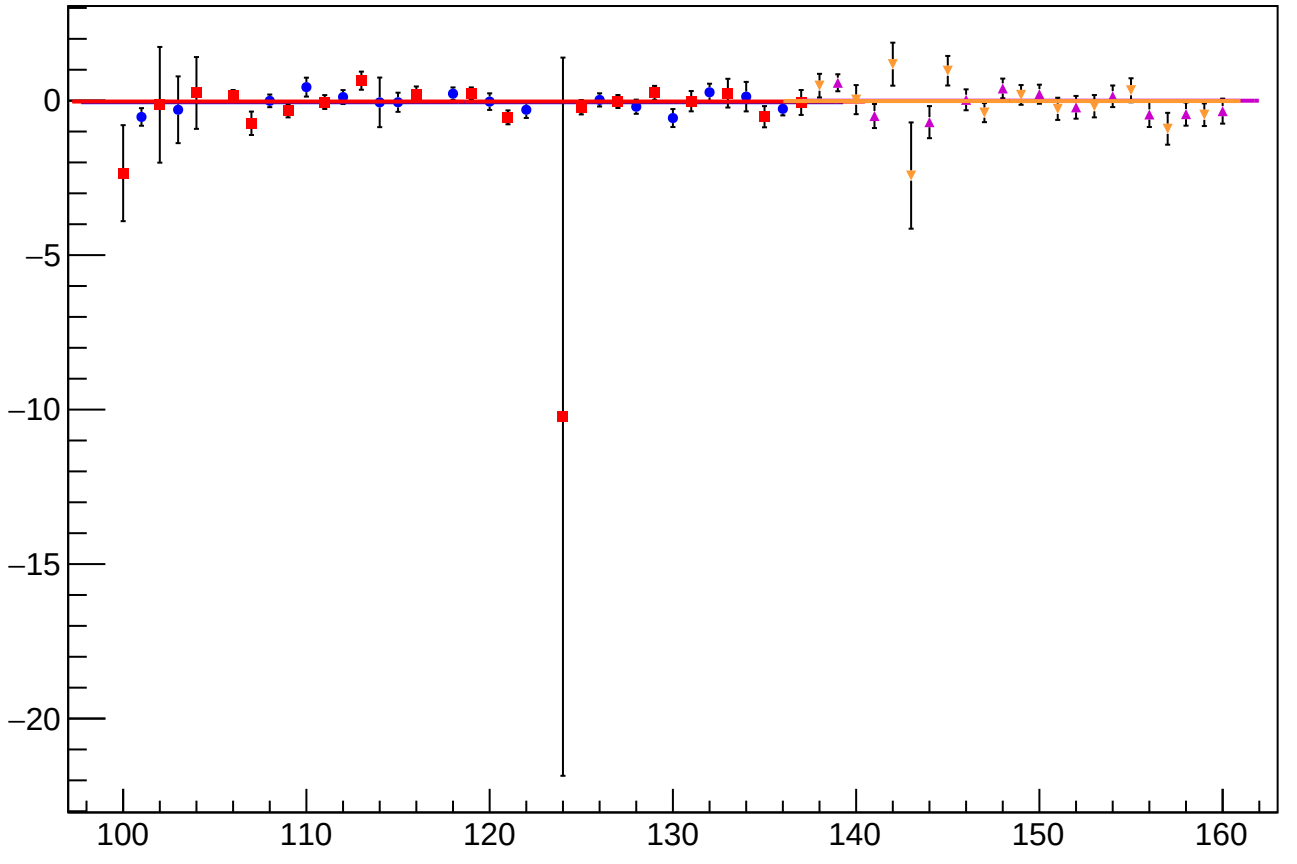
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:805034.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 4186395.2/27

All: 0.000+/-0.000 χ^2/NDF: 8001716.0/57

- 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: -0.014+/-0.118 χ^2/NDF:18.7/11

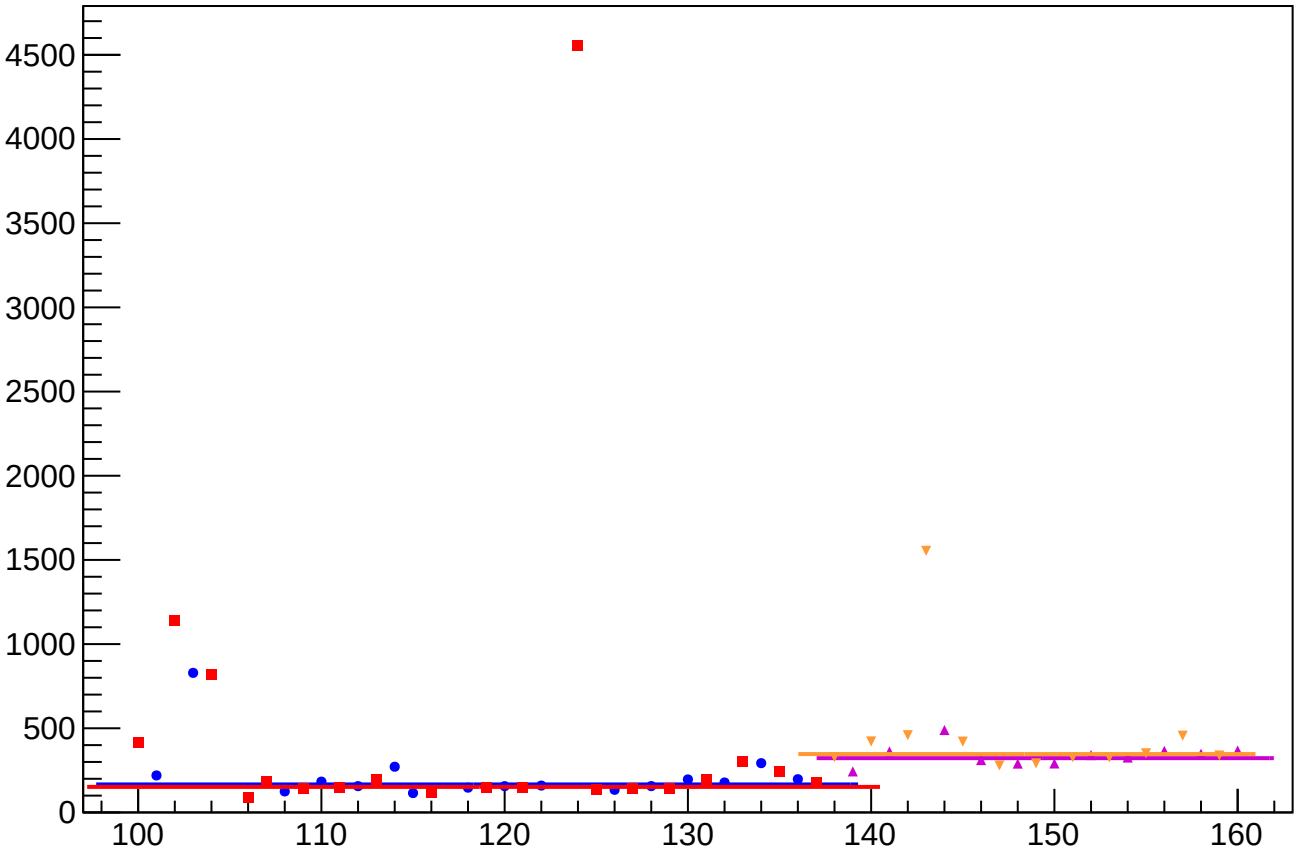
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.003+/-0.107 χ^2/NDF:13.6/10

+ sign -0.042+/-0.058 χ^2/NDF: 33.6/27

All: -0.032+/-0.040 χ^2/NDF: 74.9/57

- 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: 346.777+/-0.084 χ^2/NDF:1398294.8/11

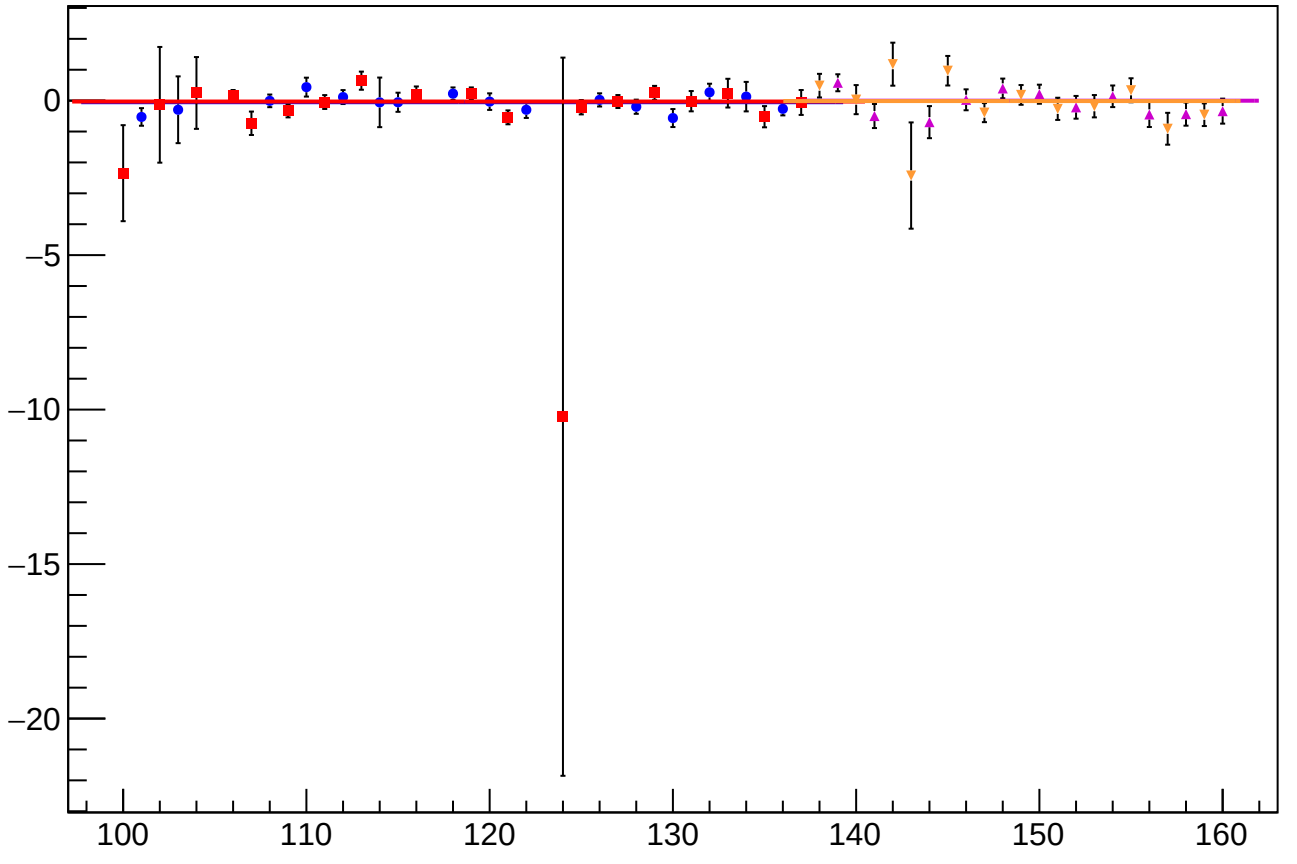
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 322.446+/-0.076 χ^2/NDF:498949.9/10

+ sign 210.014+/-0.041 χ^2/NDF: 6218703.9/27

All: 203.049+/-0.028 χ^2/NDF: 12837461.1/57

- sign 196.823+/-0.039 χ^2/NDF: 6564313.2/29



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.014+/-0.118 χ^2/NDF:18.7/11

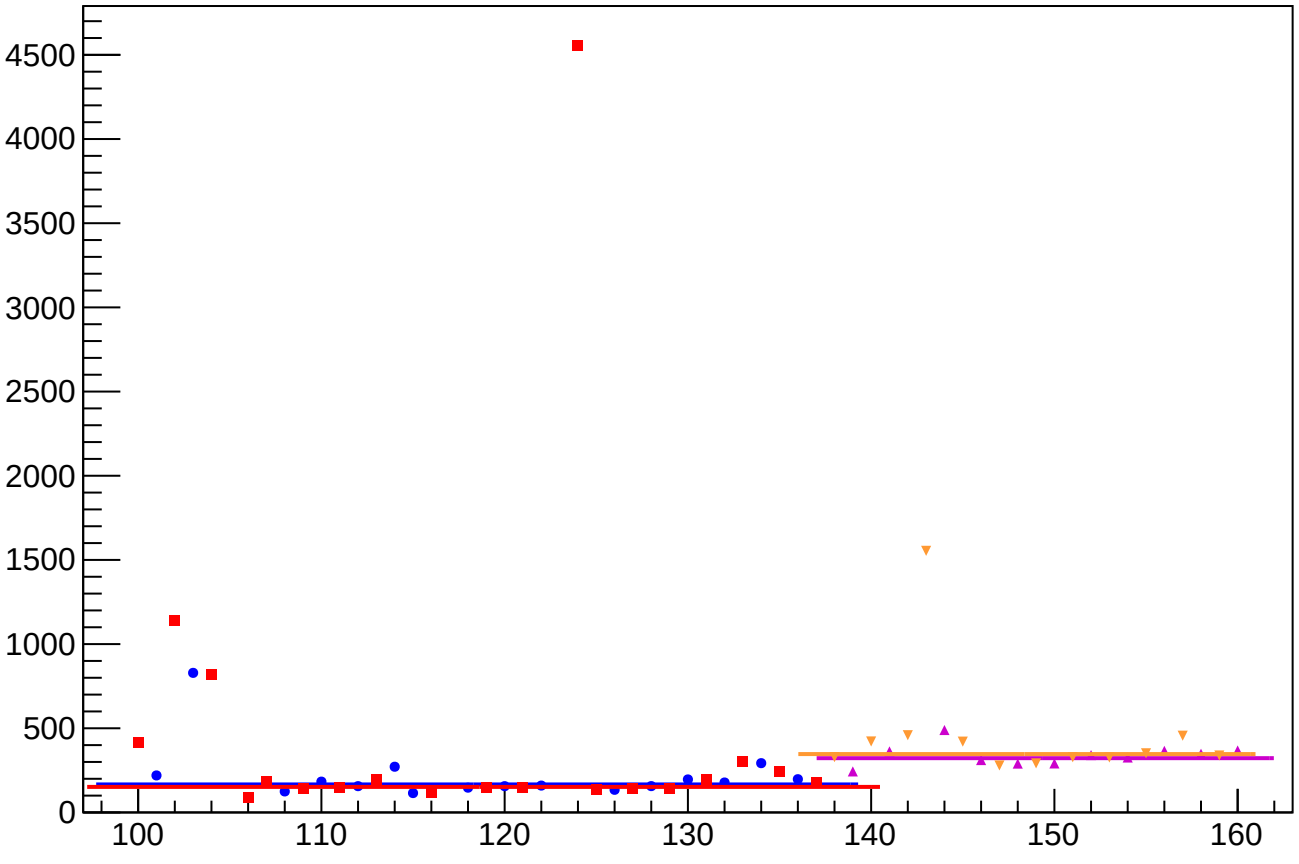
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.003+/-0.107 χ^2/NDF:13.6/10

+ sign -0.042+/-0.058 χ^2/NDF: 33.6/27

All: -0.032+/-0.040 χ^2/NDF: 74.9/57

- 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: 346.777+/-0.084 χ^2/NDF:1398294.8/11

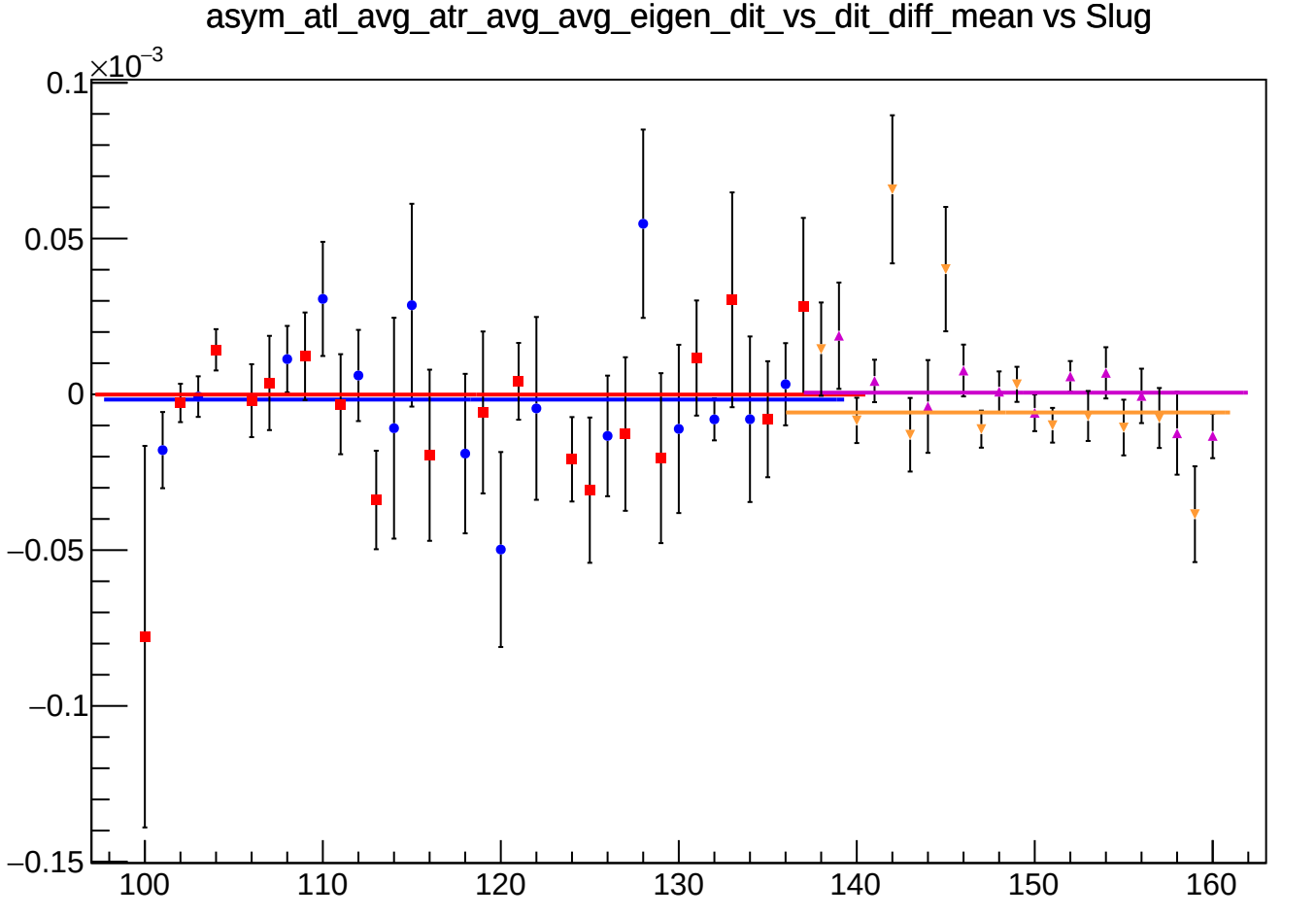
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 322.446+/-0.076 χ^2/NDF:498949.9/10

+ sign 210.014+/-0.041 χ^2/NDF: 6218703.9/27

All: 203.049+/-0.028 χ^2/NDF: 12837461.1/57

- 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:25.5/11

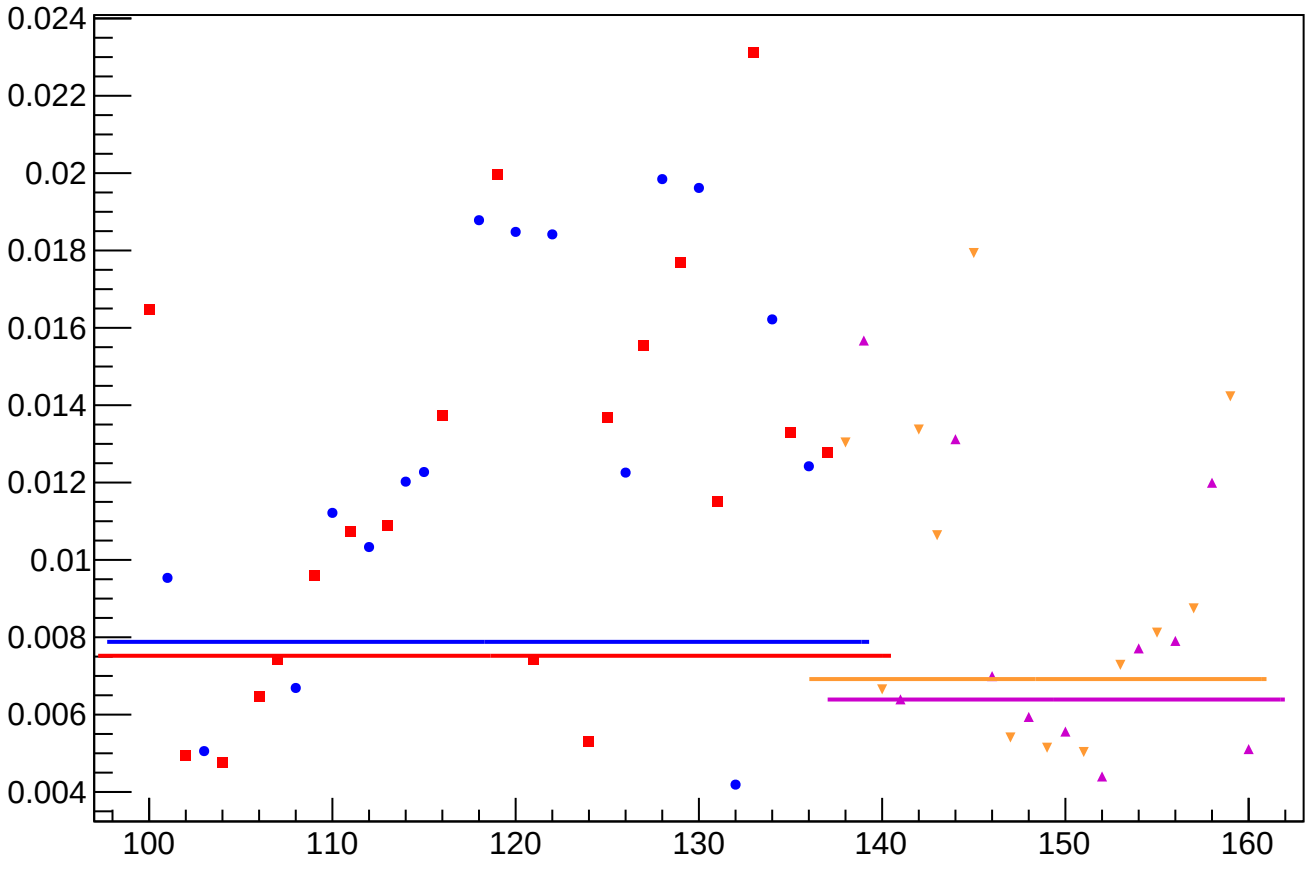
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 42.0/27

All: -0.000+/-0.000 χ^2/NDF: 74.9/57

- 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:2412473.3/11

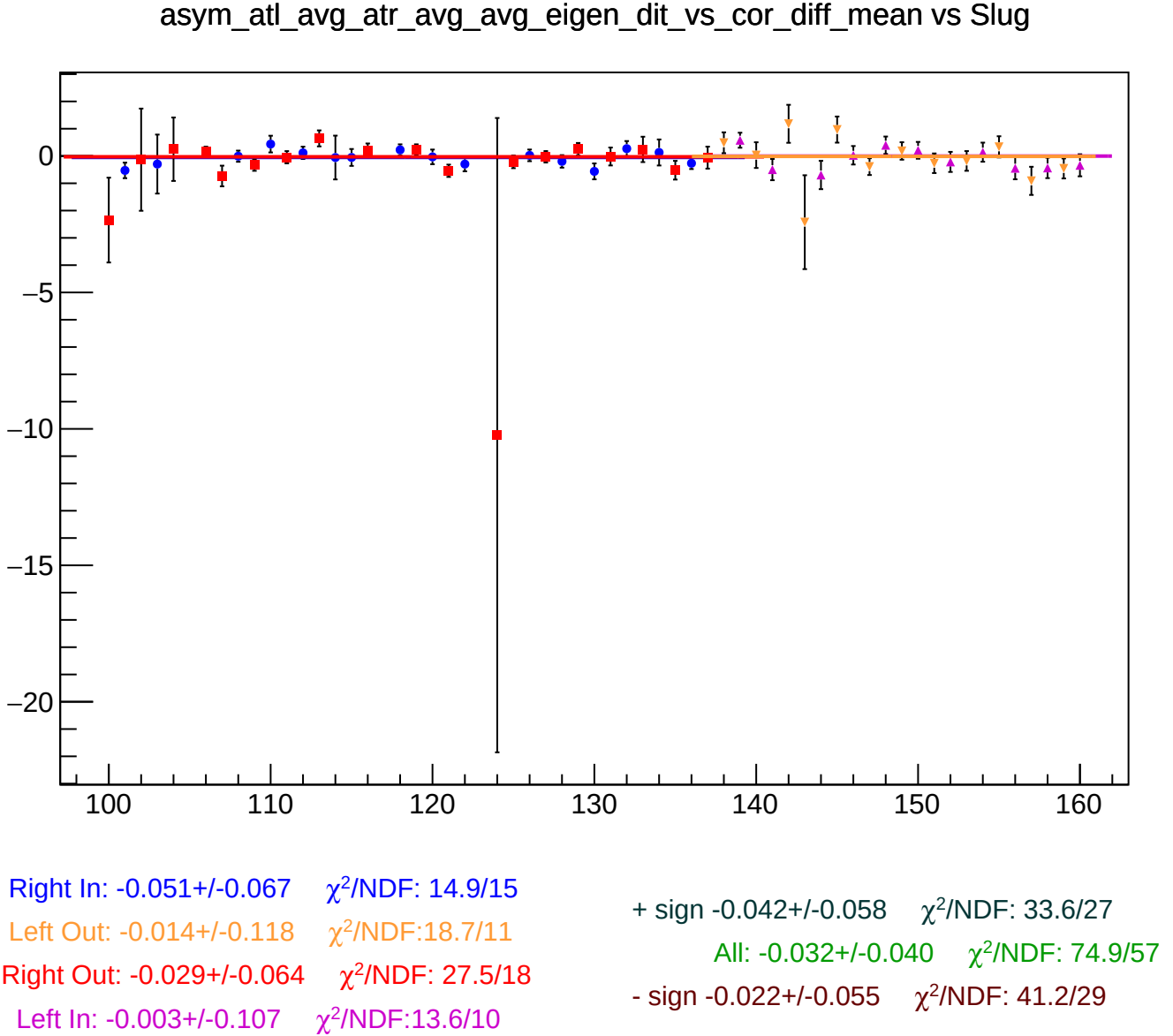
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

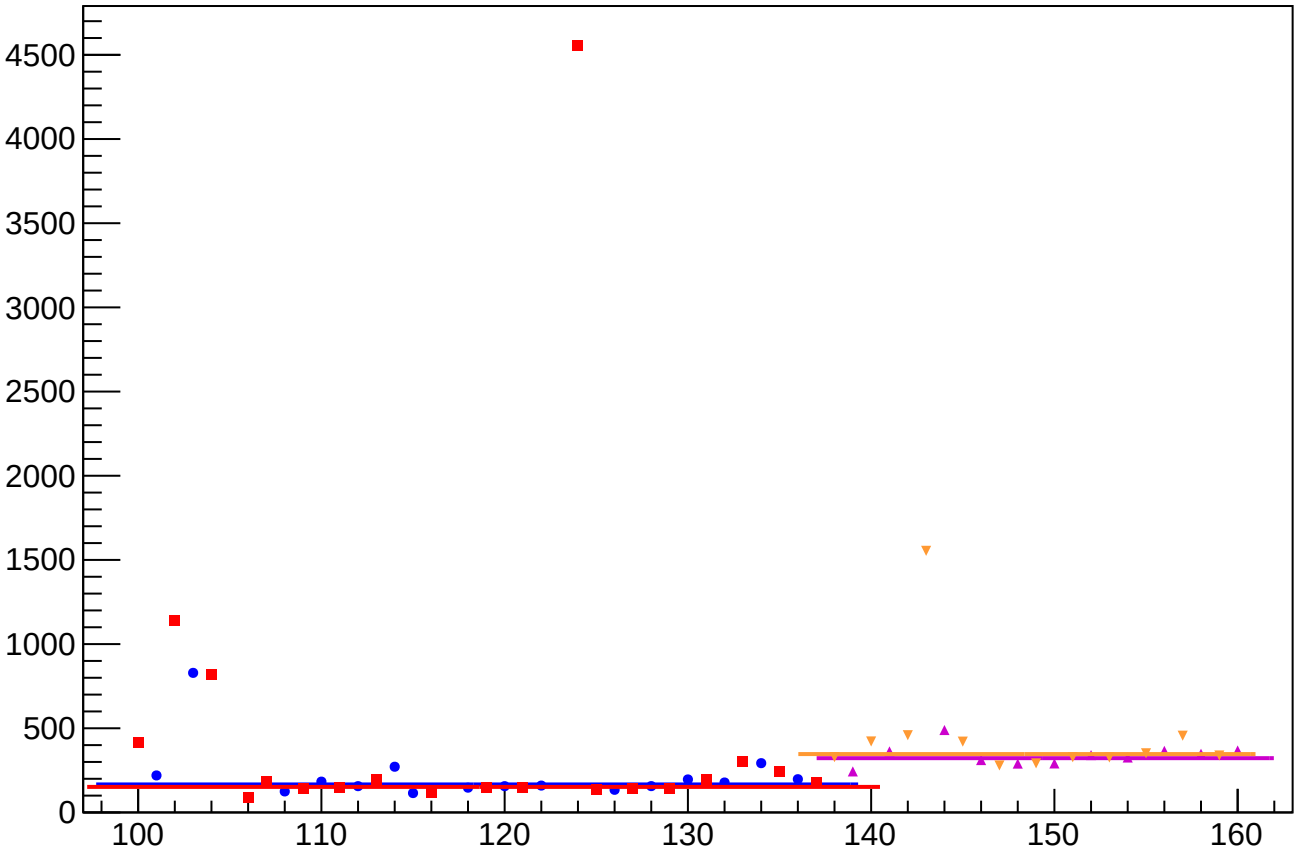
Left In: 0.006+/-0.000 χ^2/NDF:1921860.1/10

+ sign 0.007+/-0.000 χ^2/NDF: 5820306.4/27

All: 0.007+/-0.000 χ^2/NDF: 10945480.6/57

- sign 0.007+/-0.000 χ^2/NDF: 5067063.0/29


asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
0
−5
−10
−15
−20
100
110
120
130
140
150
160
Right In: -0.051+/-0.067 χ²/NDF: 14.9/15
Left Out: -0.014+/-0.118 χ²/NDF:18.7/11
Right Out: -0.029+/-0.064 χ²/NDF: 27.5/18
Left In: -0.003+/-0.107 χ²/NDF:13.6/10
+ sign -0.042+/-0.058 χ²/NDF: 33.6/27
All: -0.032+/-0.040 χ²/NDF: 74.9/57
- sign -0.022+/-0.055 χ²/NDF: 41.2/29



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 346.781+/-0.084 χ^2/NDF:1398294.5/11

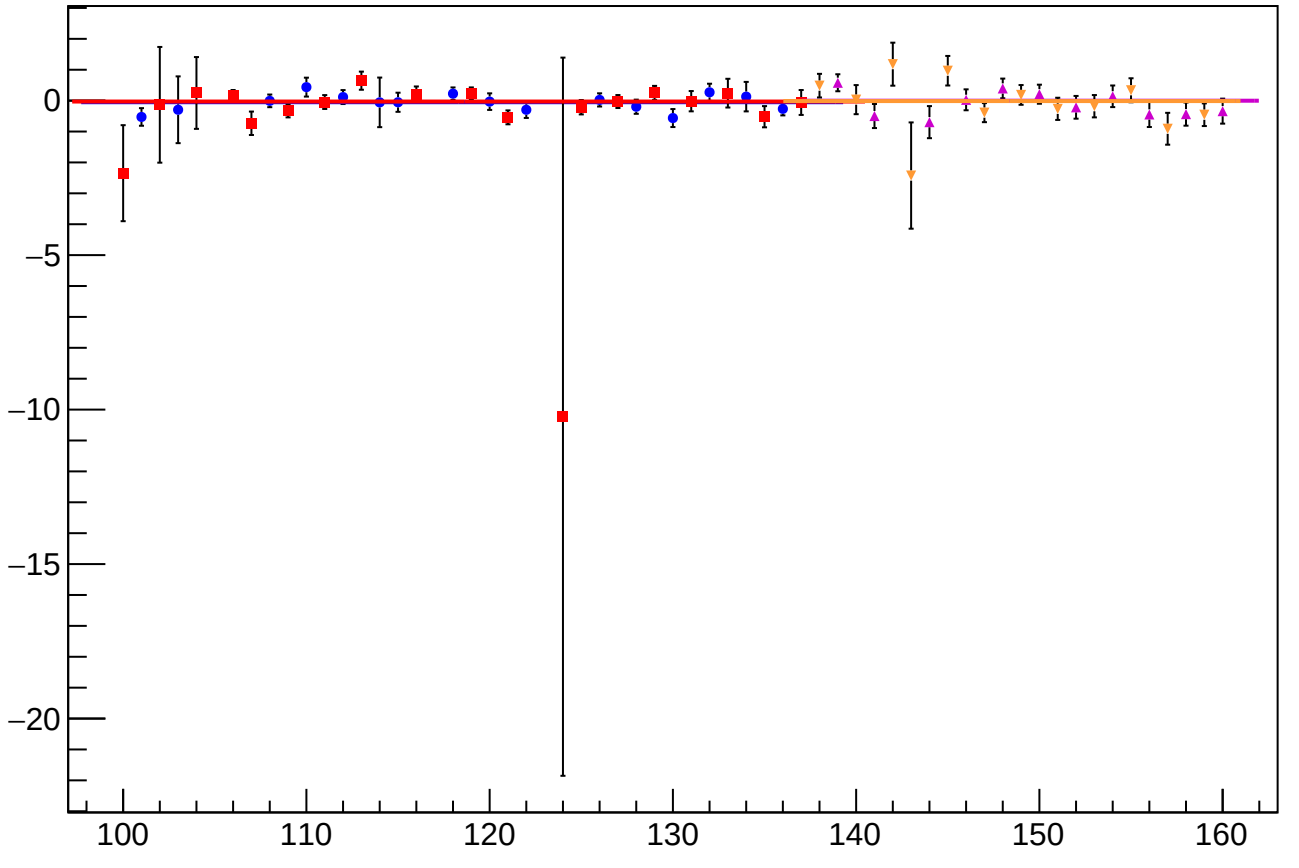
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 322.450+/-0.076 χ^2/NDF:498936.6/10

+ sign 210.014+/-0.041 χ^2/NDF: 6218836.7/27

All: 203.048+/-0.028 χ^2/NDF: 12837787.8/57

- sign 196.821+/-0.039 χ^2/NDF: 6564502.2/29



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.014+/-0.118 χ^2/NDF:18.7/11

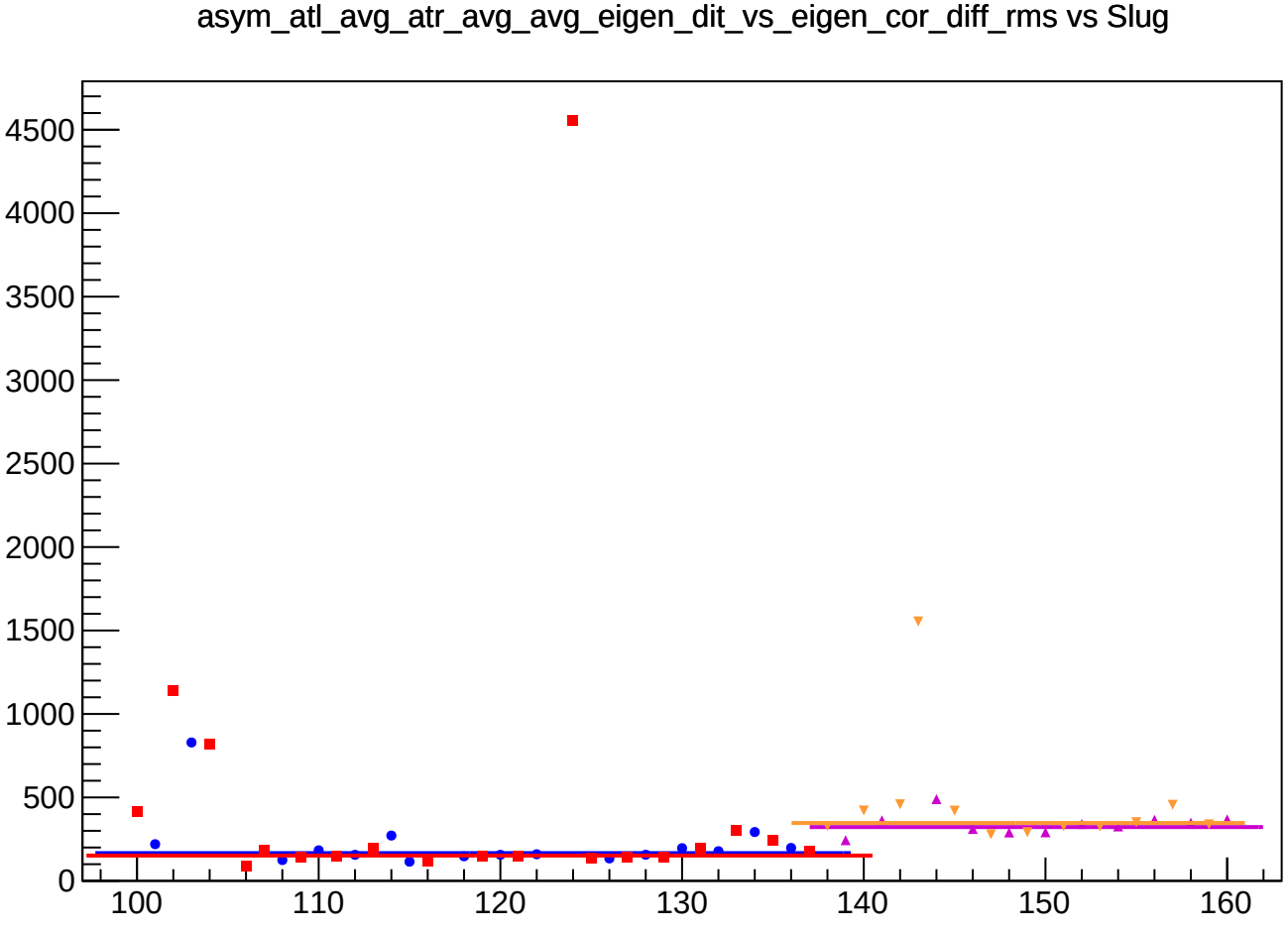
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.003+/-0.107 χ^2/NDF:13.6/10

+ sign -0.042+/-0.058 χ^2/NDF: 33.6/27

All: -0.032+/-0.040 χ^2/NDF: 74.9/57

- 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: 346.781+/-0.084 χ^2/NDF:1398294.5/11

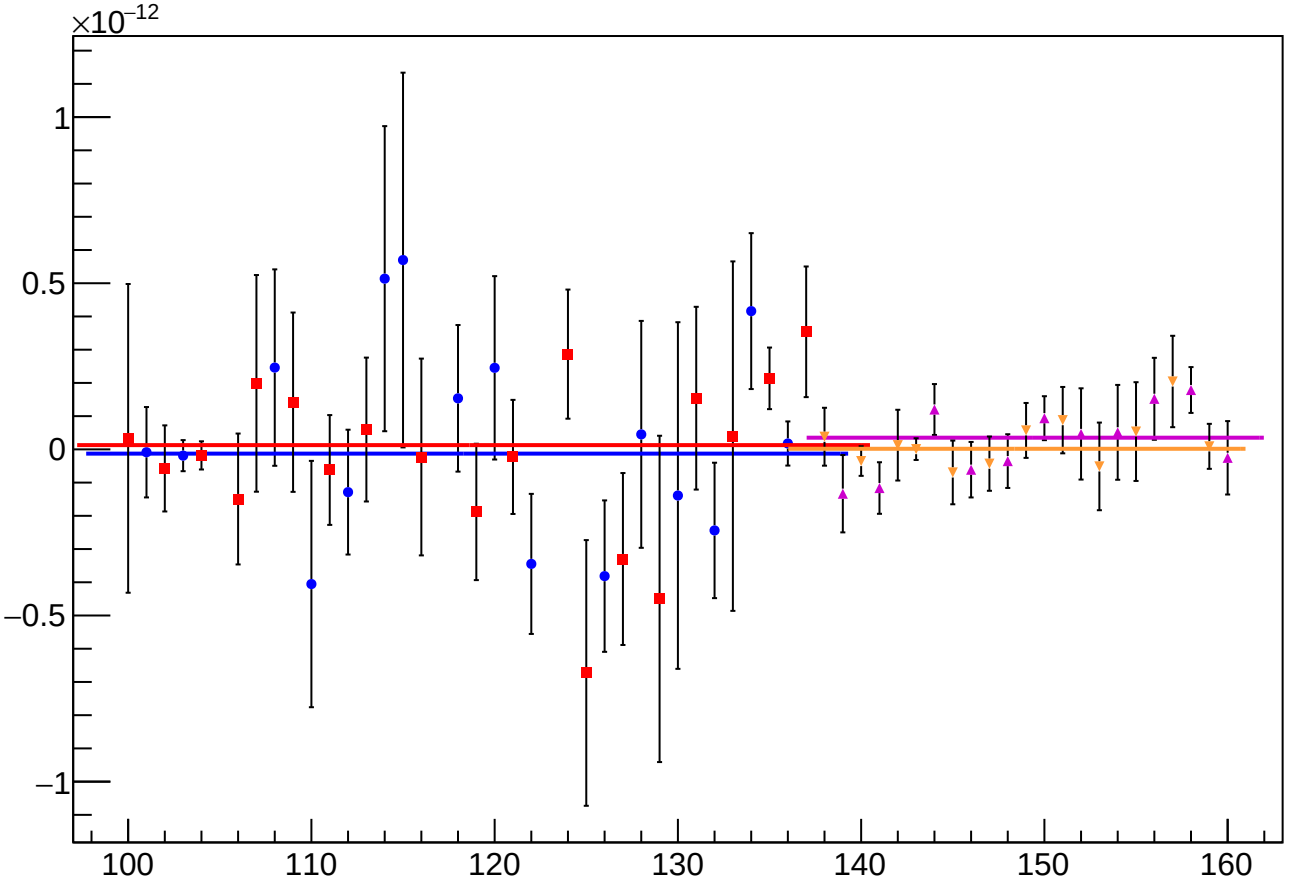
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 322.450+/-0.076 χ^2/NDF:498936.6/10

+ sign 210.014+/-0.041 χ^2/NDF: 6218836.7/27

All: 203.048+/-0.028 χ^2/NDF: 12837787.8/57

- 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:5.4/11

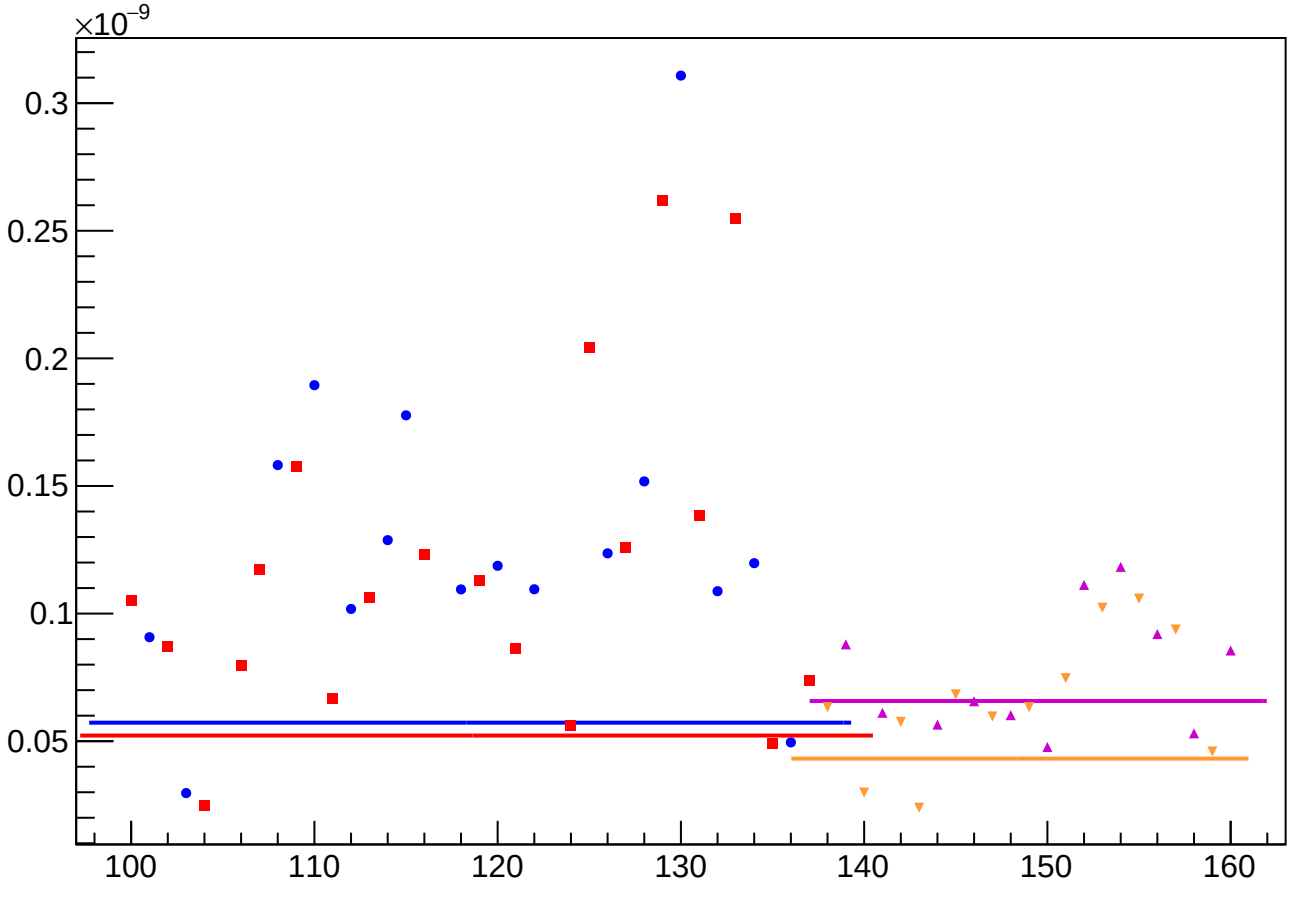
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:15.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 21.7/27

All: 0.000+/-0.000 χ^2/NDF: 57.5/57

- 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:2587201.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

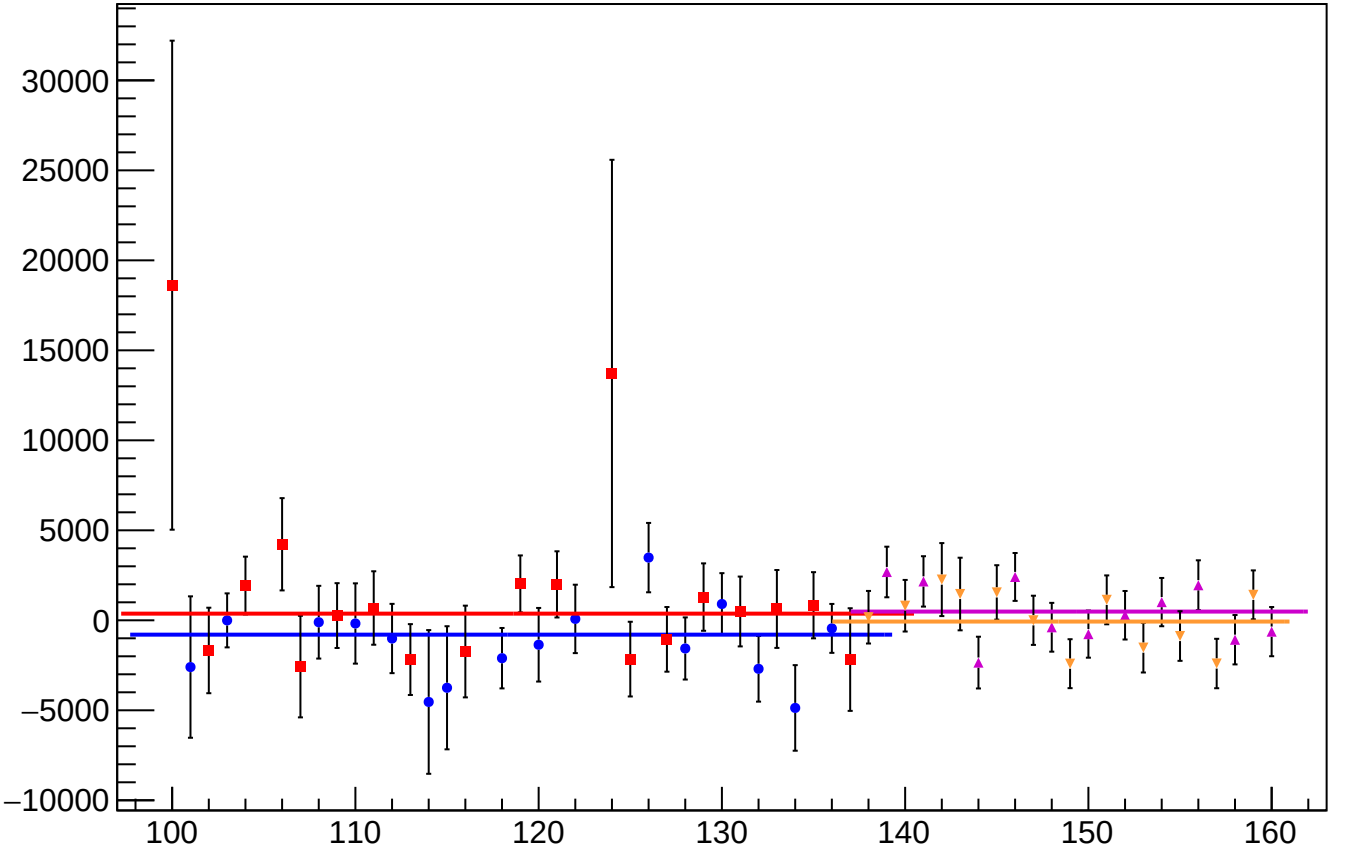
Left In: 0.000+/-0.000 χ^2/NDF:980172.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 5839186.2/27

All: 0.000+/-0.000 χ^2/NDF: 10812001.5/57

- 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: -69.445+/-421.720 χ^2/NDF:12.7/11

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

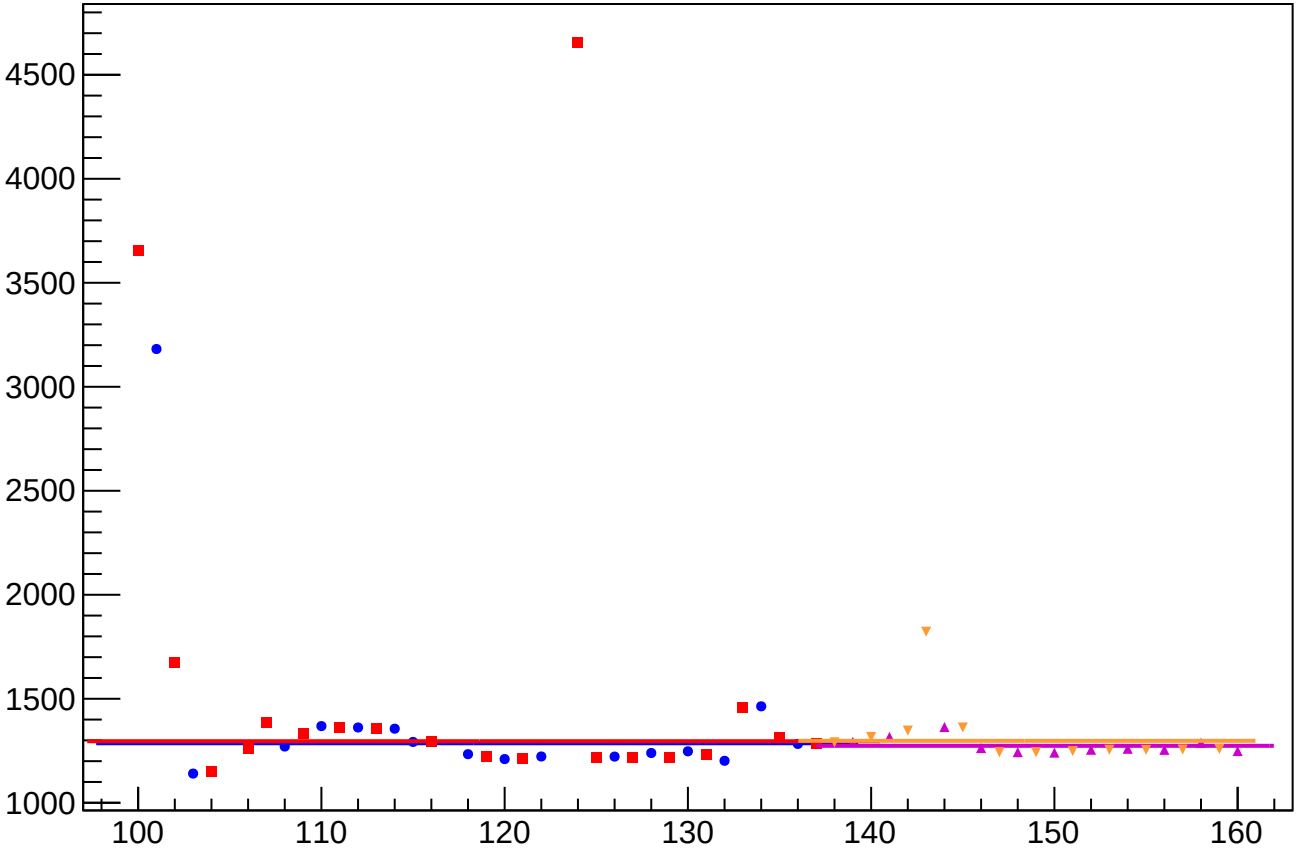
Left In: 484.590+/-412.146 χ^2/NDF:14.4/10

+ sign -381.016+/-318.929 χ^2/NDF: 27.4/27

All: 33.804+/-223.858 χ^2/NDF: 60.8/57

- 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: 1297.817+/-0.298 χ^2/NDF:156955.5/11

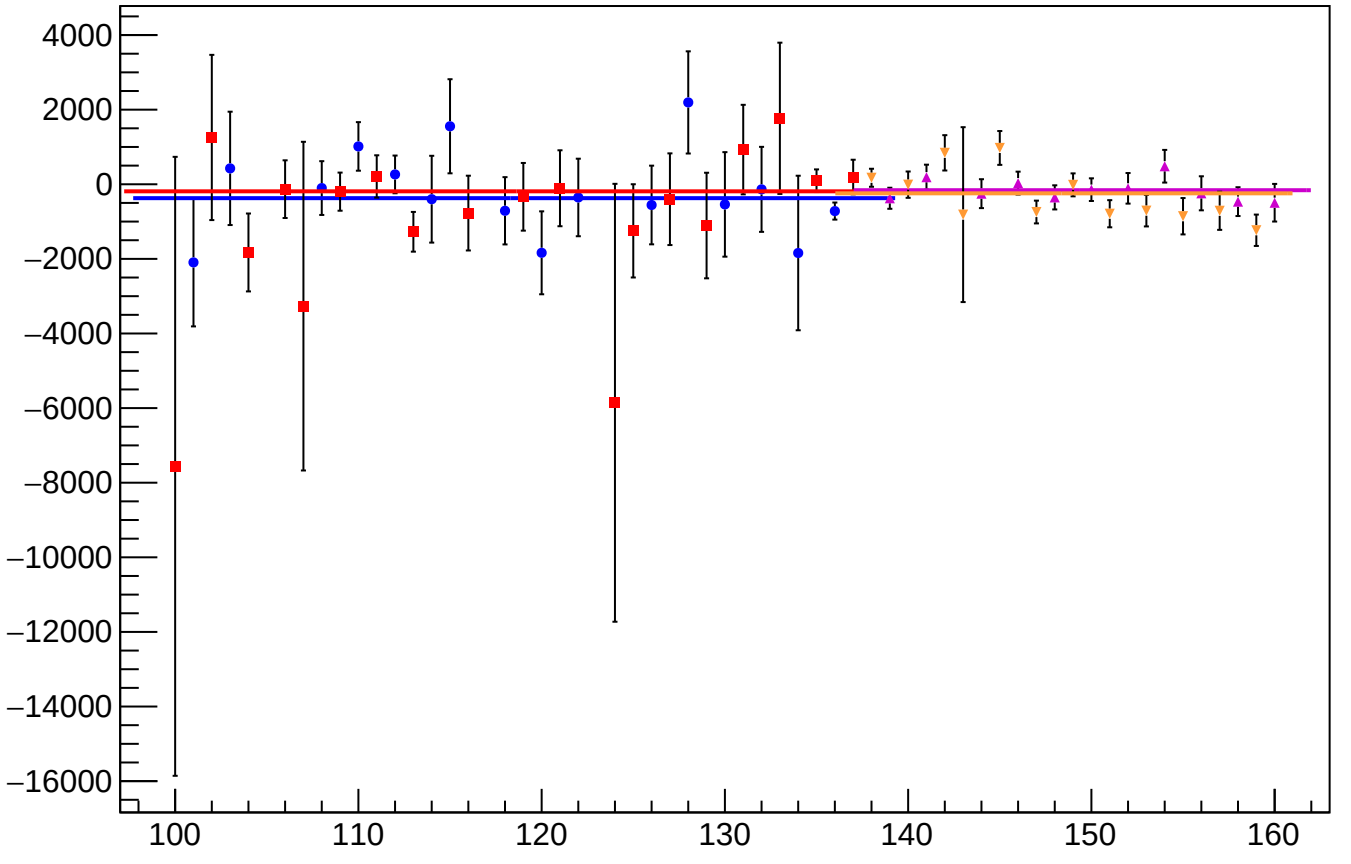
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

+ sign 1292.800+/-0.226 χ^2/NDF: 675743.7/27

All: 1287.860+/-0.158 χ^2/NDF: 1021614.1/57

- 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: -242.958+/-109.892 χ^2/NDF:30.6/11

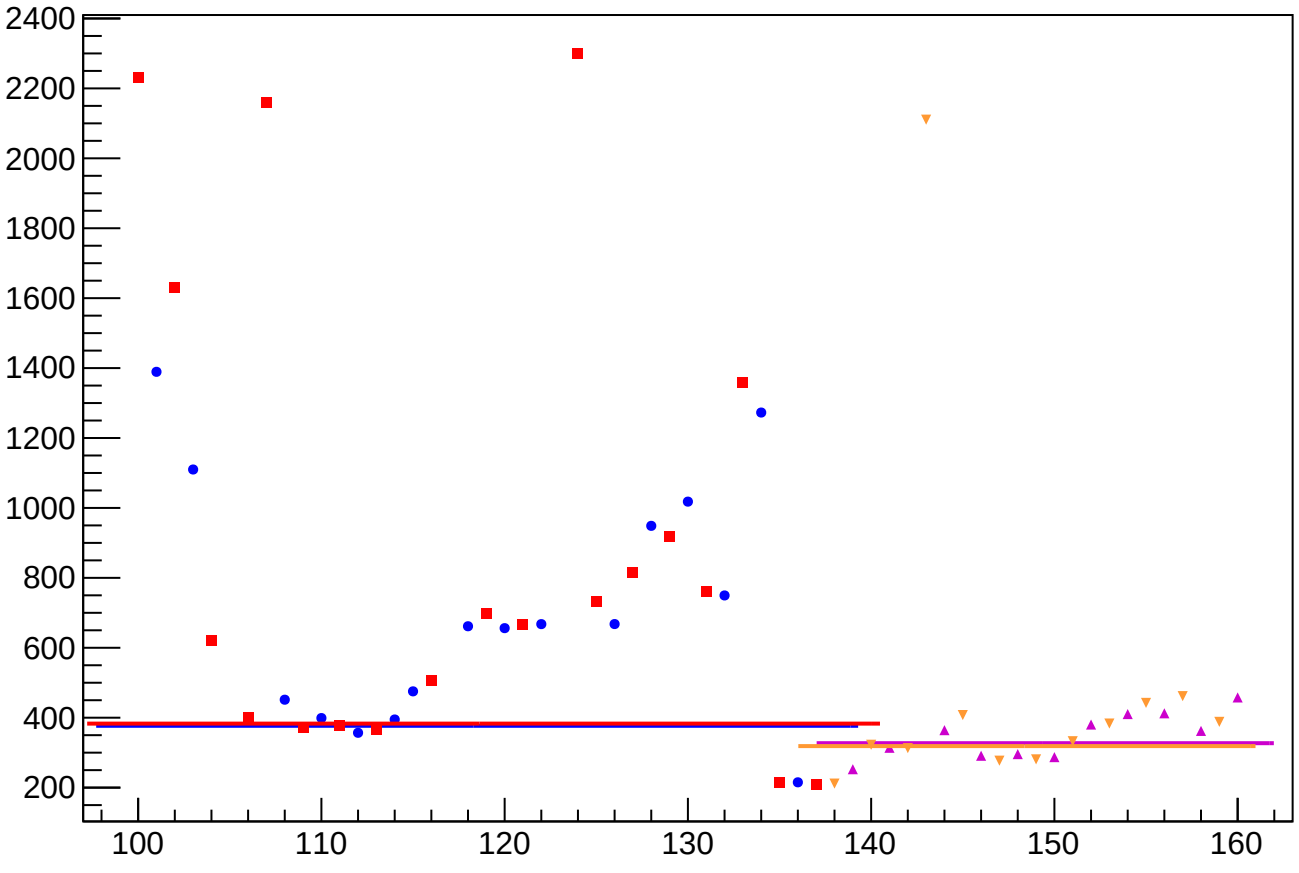
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -159.231+/-108.014 χ^2/NDF:5.7/10

+ sign -281.658+/-91.998 χ^2/NDF: 49.2/27

All: -224.176+/-64.734 χ^2/NDF: 70.3/57

- 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: 318.755+/-0.078 χ^2/NDF:2096322.1/11

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

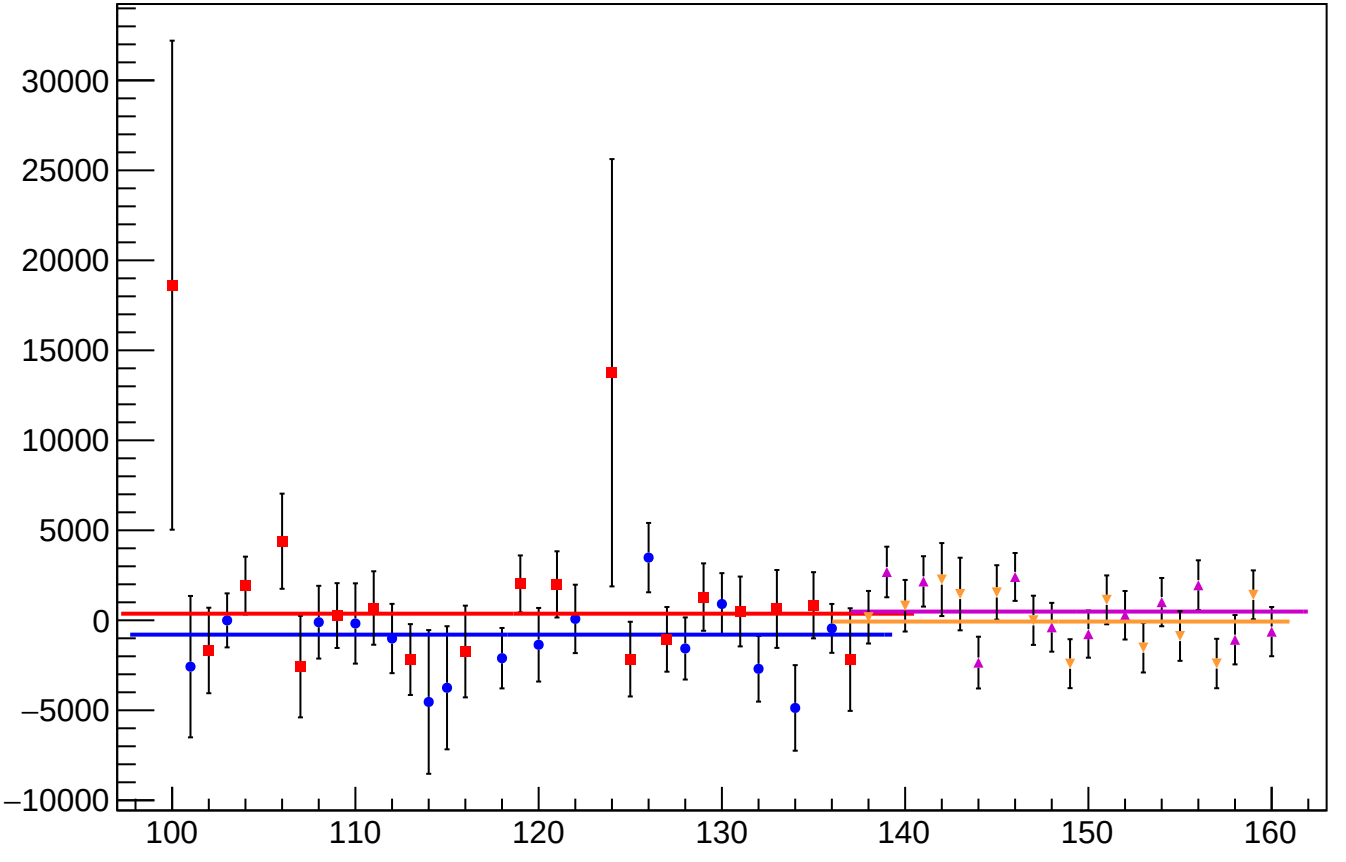
Left In: 327.083+/-0.076 χ^2/NDF:568812.3/10

+ sign 336.147+/-0.065 χ^2/NDF: 6453972.7/27

All: 339.730+/-0.046 χ^2/NDF: 11238024.3/57

- sign 343.243+/-0.064 χ^2/NDF: 4778042.9/29

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -69.380+/-421.720 χ^2/NDF:12.7/11

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

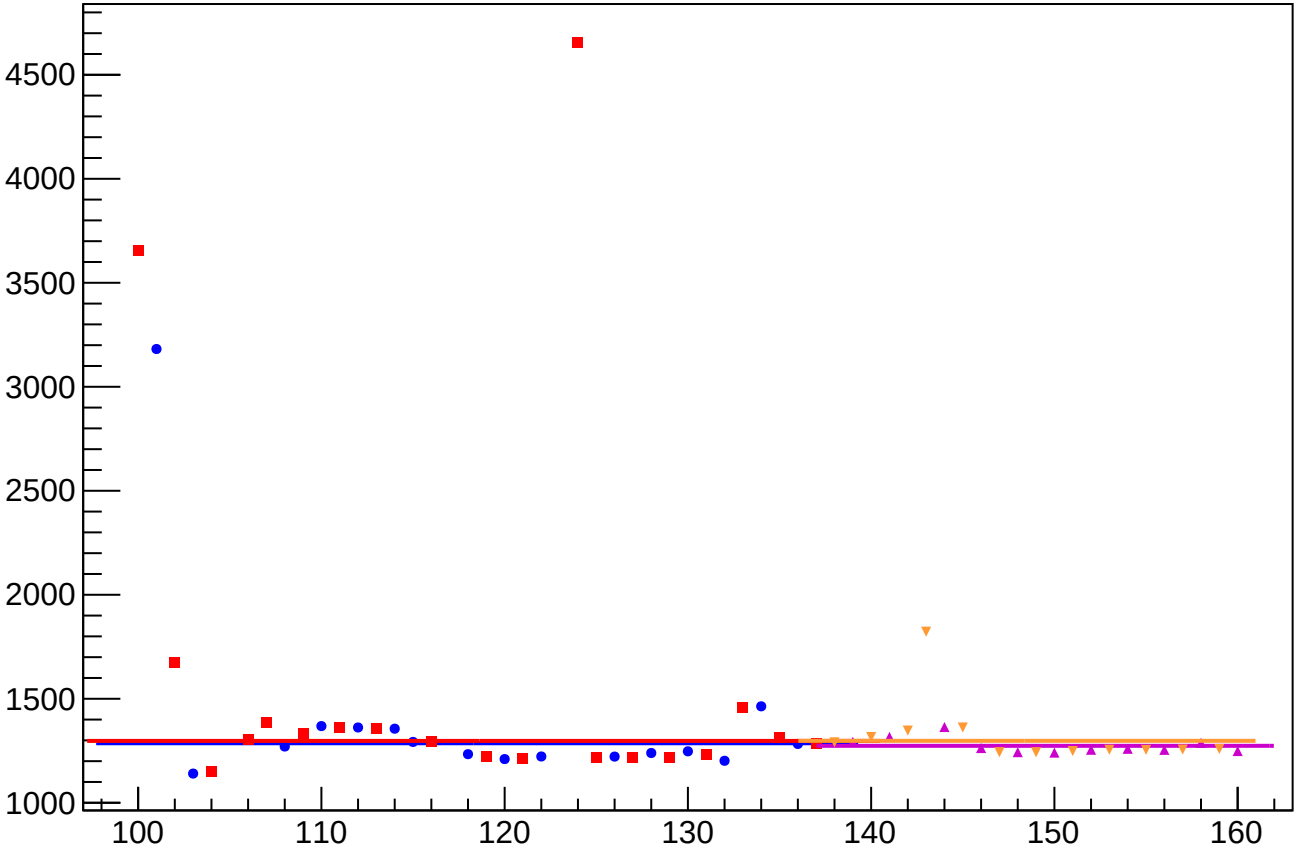
Left In: 484.545+/-412.146 χ^2/NDF:14.5/10

+ sign -380.807+/-318.929 χ^2/NDF: 27.4/27

All: 33.203+/-223.909 χ^2/NDF: 60.9/57

- 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: 1297.817+/-0.298 χ^2/NDF:156955.5/11

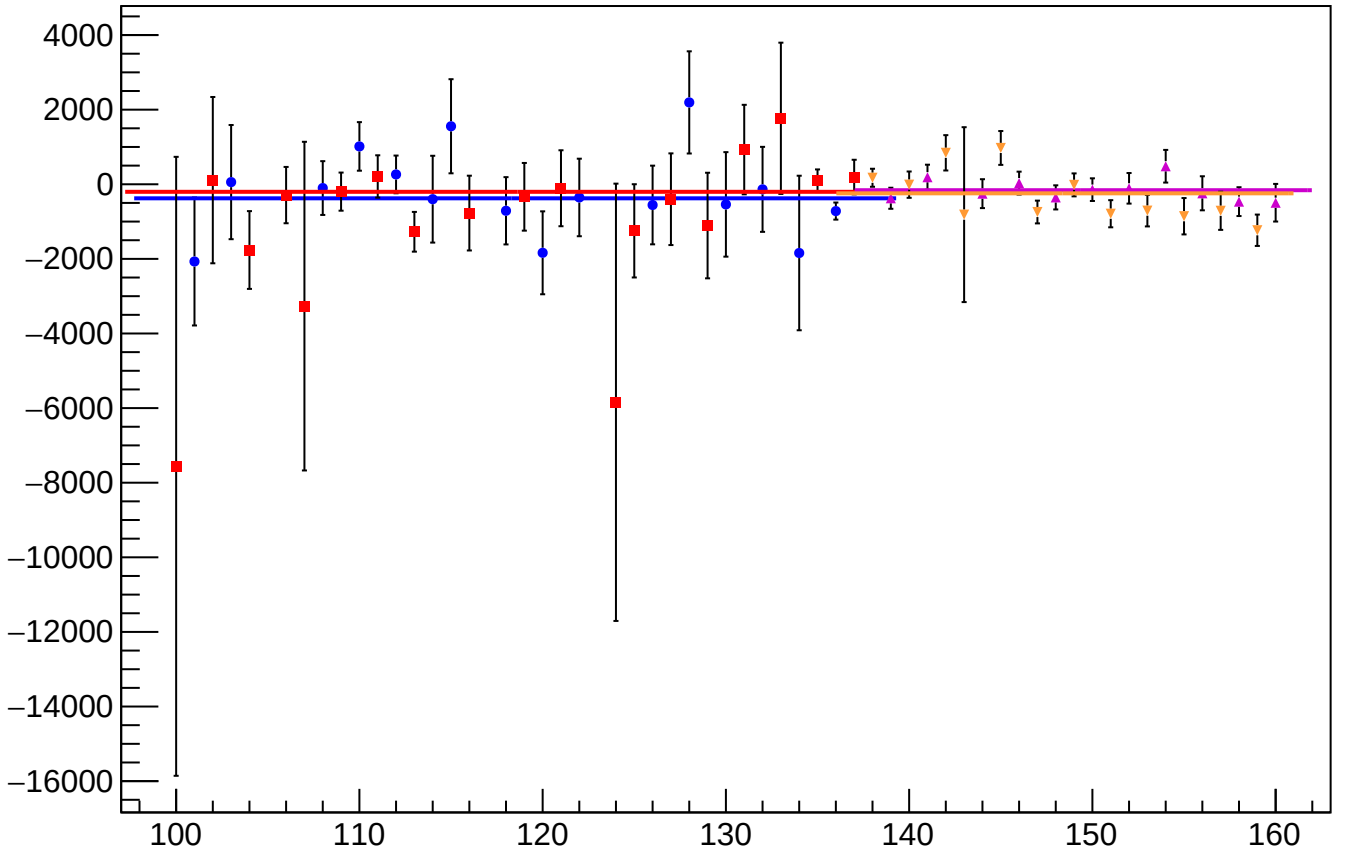
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

+ sign 1292.800+/-0.226 χ^2/NDF: 675745.2/27

All: 1288.164+/-0.158 χ^2/NDF: 1021498.6/57

- 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: -242.973+/-109.895 χ^2/NDF:30.6/11

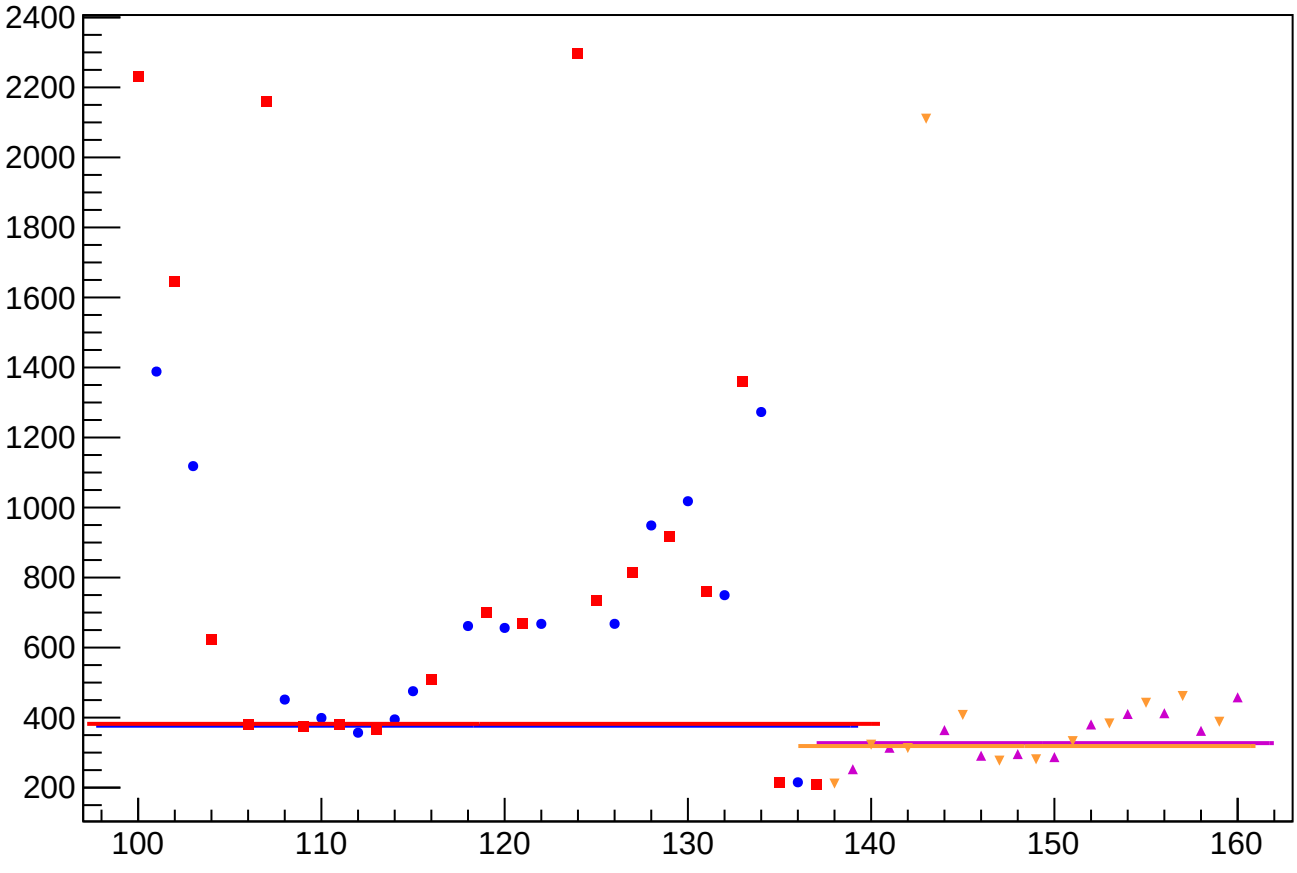
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -159.258+/-108.014 χ^2/NDF:5.7/10

+ sign -282.993+/-92.003 χ^2/NDF: 49.0/27

All: -226.759+/-64.724 χ^2/NDF: 69.5/57

- 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: 318.764+/-0.078 χ^2/NDF:2096232.9/11

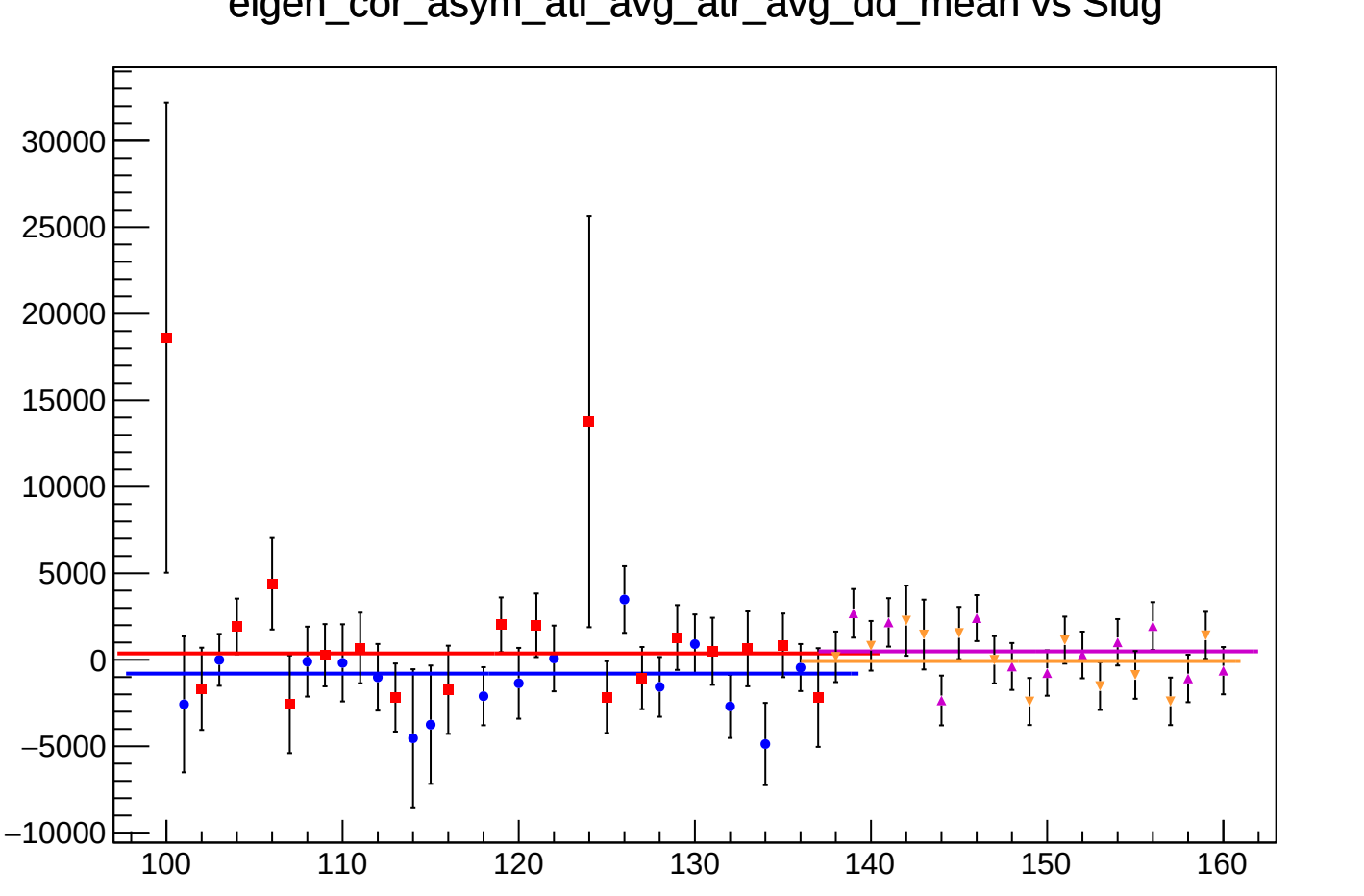
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 327.082+/-0.076 χ^2/NDF:568907.4/10

+ sign 336.149+/-0.065 χ^2/NDF: 6456882.1/27

All: 339.608+/-0.046 χ^2/NDF: 11241200.4/57

- 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: -69.380+/-421.720 χ^2/NDF:12.7/11

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

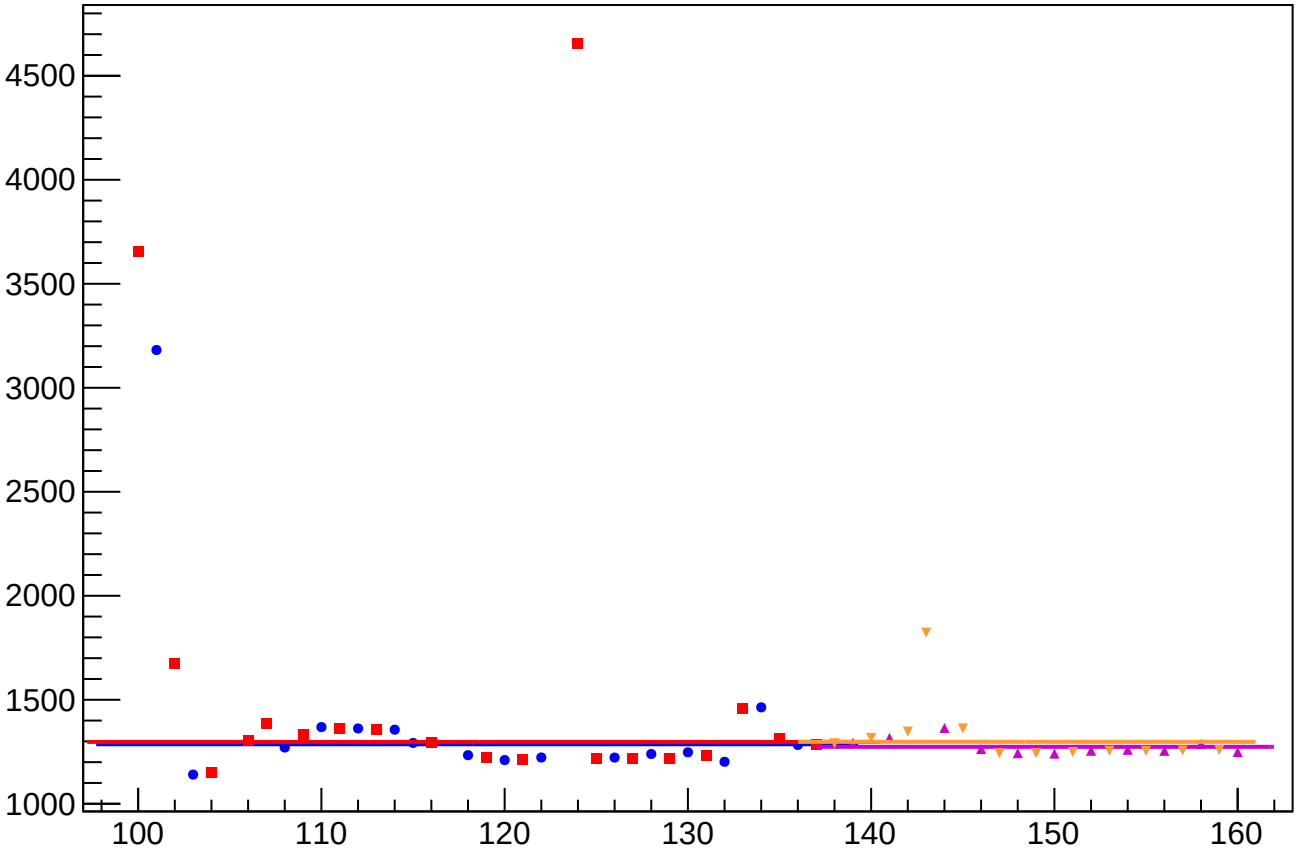
Left In: 484.545+/-412.146 χ^2/NDF:14.5/10

\+ sign -380.807+/-318.929 χ^2/NDF: 27.4/27

All: 33.203+/-223.909 χ^2/NDF: 60.9/57

\- 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: 1297.817+/-0.298 χ^2/NDF:156955.5/11

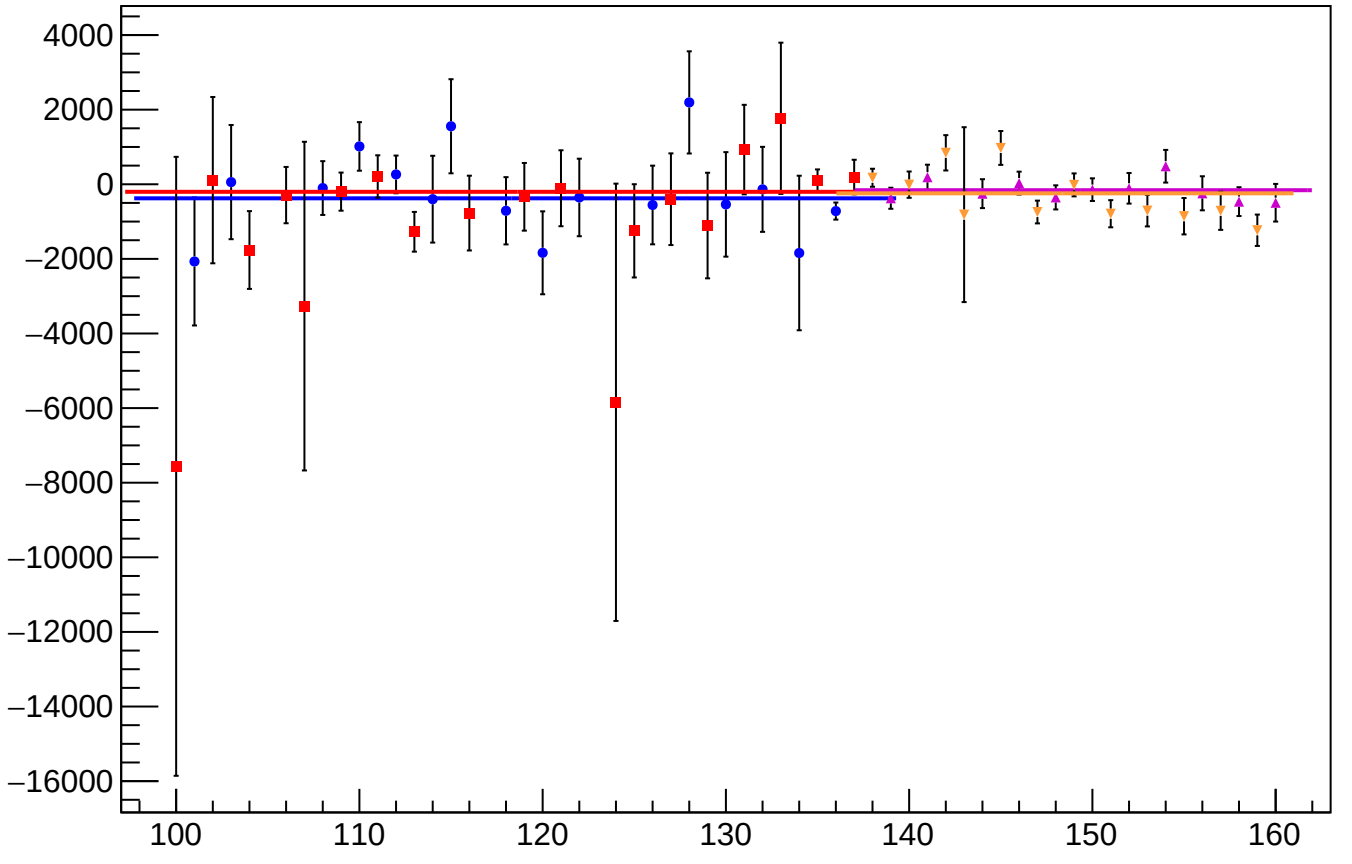
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

+ sign 1292.800+/-0.226 χ^2/NDF: 675745.2/27

All: 1288.164+/-0.158 χ^2/NDF: 1021498.6/57

- 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: -242.973+/-109.895 χ^2/NDF:30.6/11

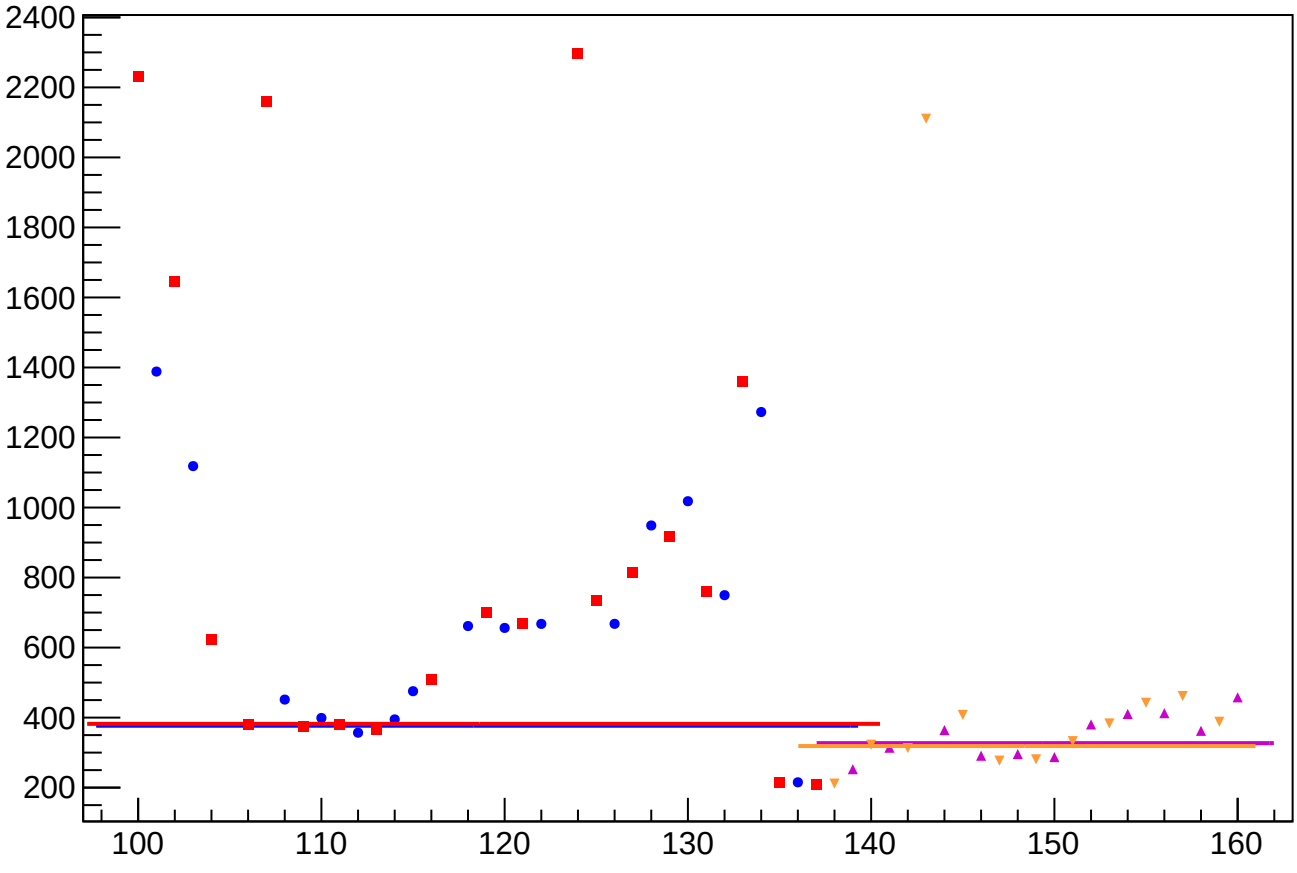
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -159.258+/-108.014 χ^2/NDF:5.7/10

+ sign -282.993+/-92.003 χ^2/NDF: 49.0/27

All: -226.759+/-64.724 χ^2/NDF: 69.5/57

- 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: 318.764+/-0.078 χ^2/NDF:2096232.9/11

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

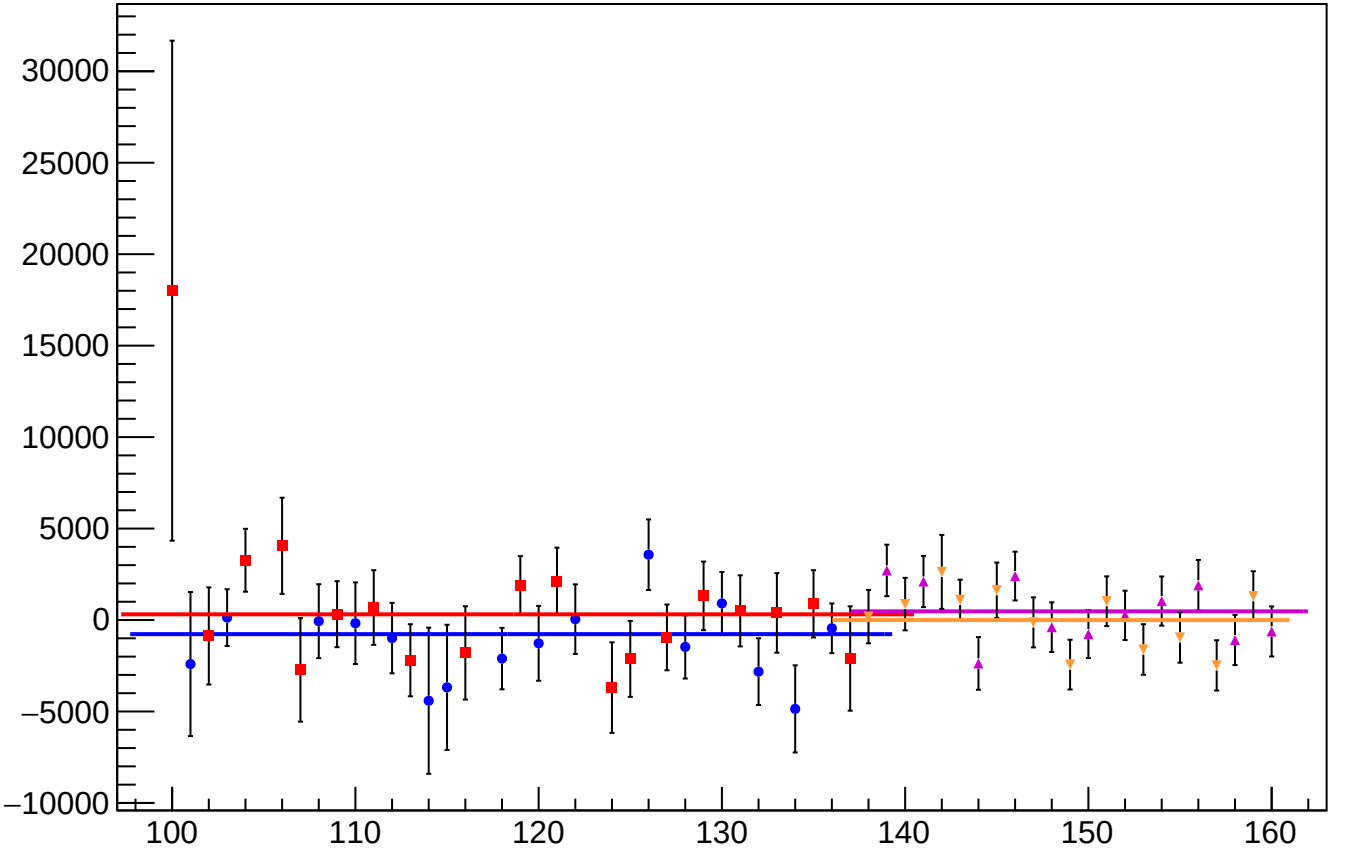
Left In: 327.082+/-0.076 χ^2/NDF:568907.4/10

+ sign 336.149+/-0.065 χ^2/NDF: 6456882.1/27

All: 339.608+/-0.046 χ^2/NDF: 11241200.4/57

- 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: -2.439+/-402.054 χ^2/NDF:14.0/11

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

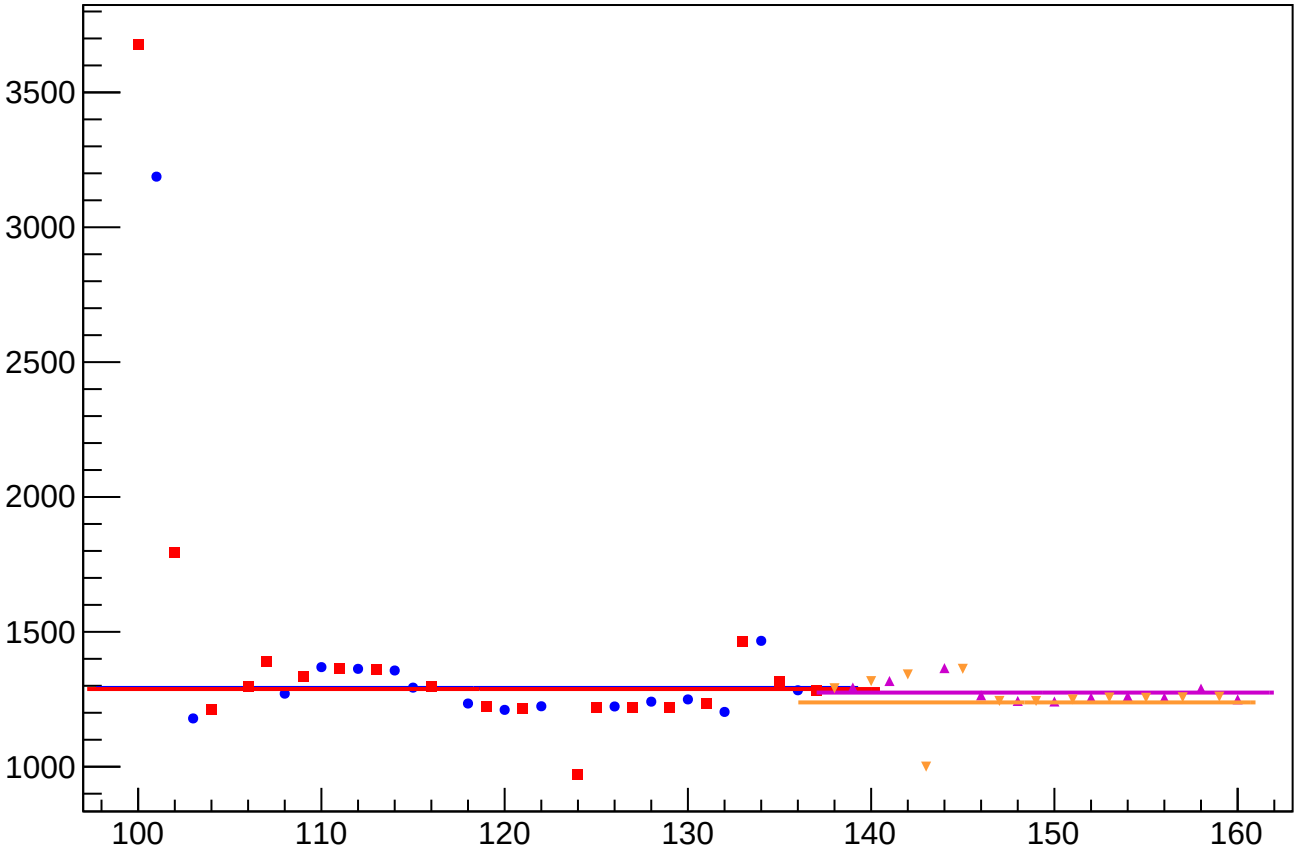
Left In: 473.817+/-412.482 χ^2/NDF:14.4/10

+ sign -312.178+/-310.715 χ^2/NDF: 29.1/27

All: 43.266+/-220.710 χ^2/NDF: 64.2/57

- 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: 1238.413+/-0.284 χ^2/NDF:121647.9/11

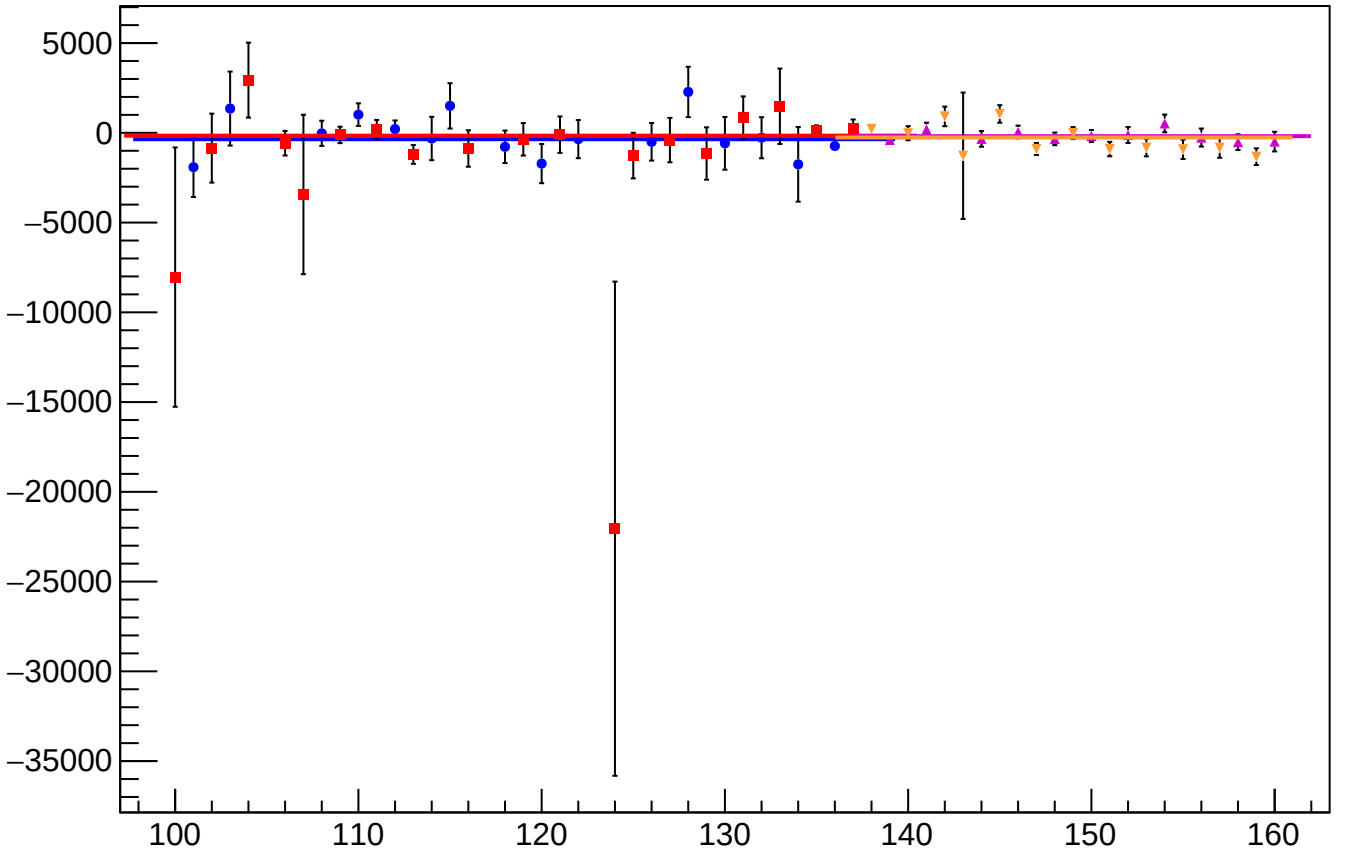
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1274.825+/-0.292 χ^2/NDF:14503.7/10

+ sign 1260.011+/-0.220 χ^2/NDF: 645383.6/27

All: 1270.103+/-0.156 χ^2/NDF: 874214.8/57

- 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: -259.770+/-119.111 χ^2/NDF:32.0/11

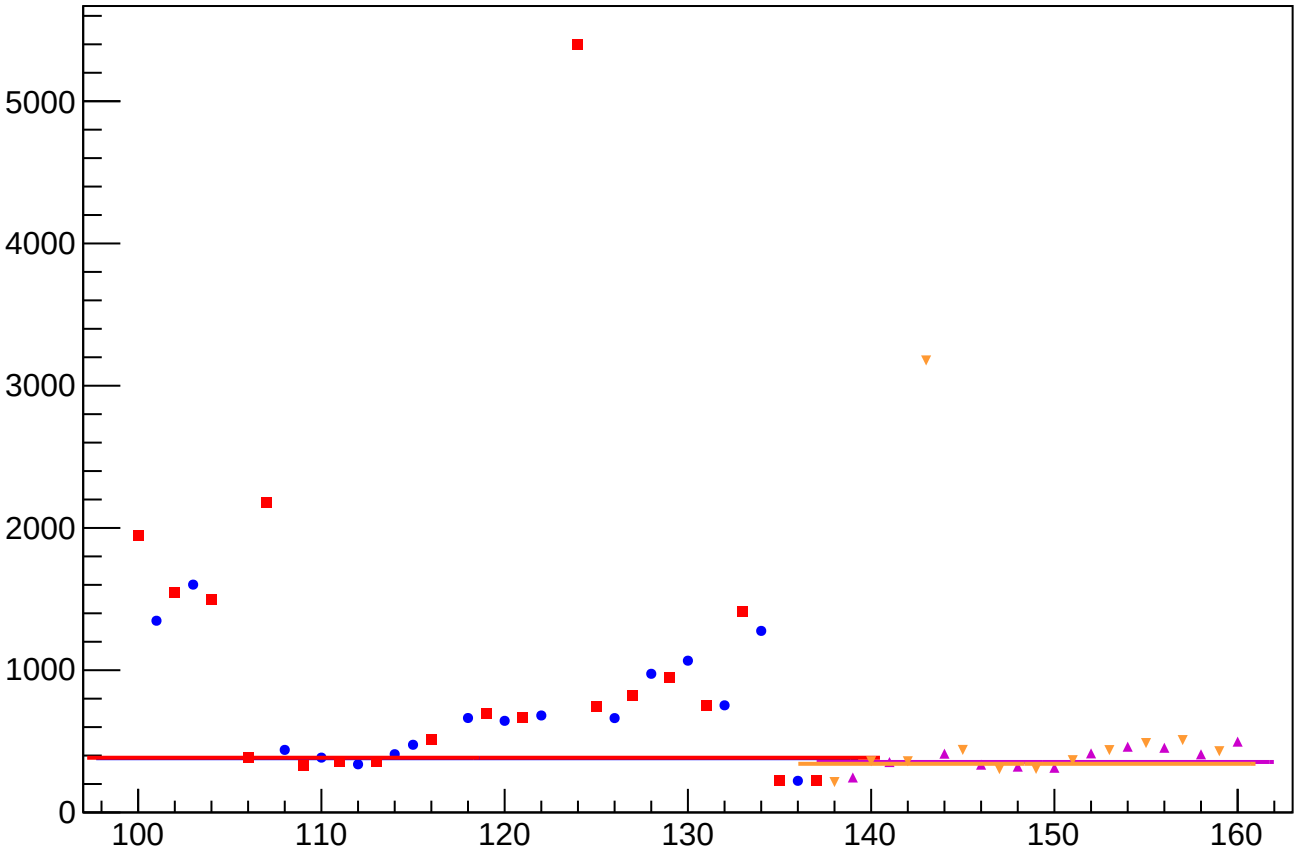
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -186.432+/-117.842 χ^2/NDF:5.3/10

+ sign -291.208+/-97.544 χ^2/NDF: 50.7/27

All: -233.737+/-68.705 χ^2/NDF: 72.5/57

- 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: 342.022+/-0.084 χ^2/NDF:2469442.6/11

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

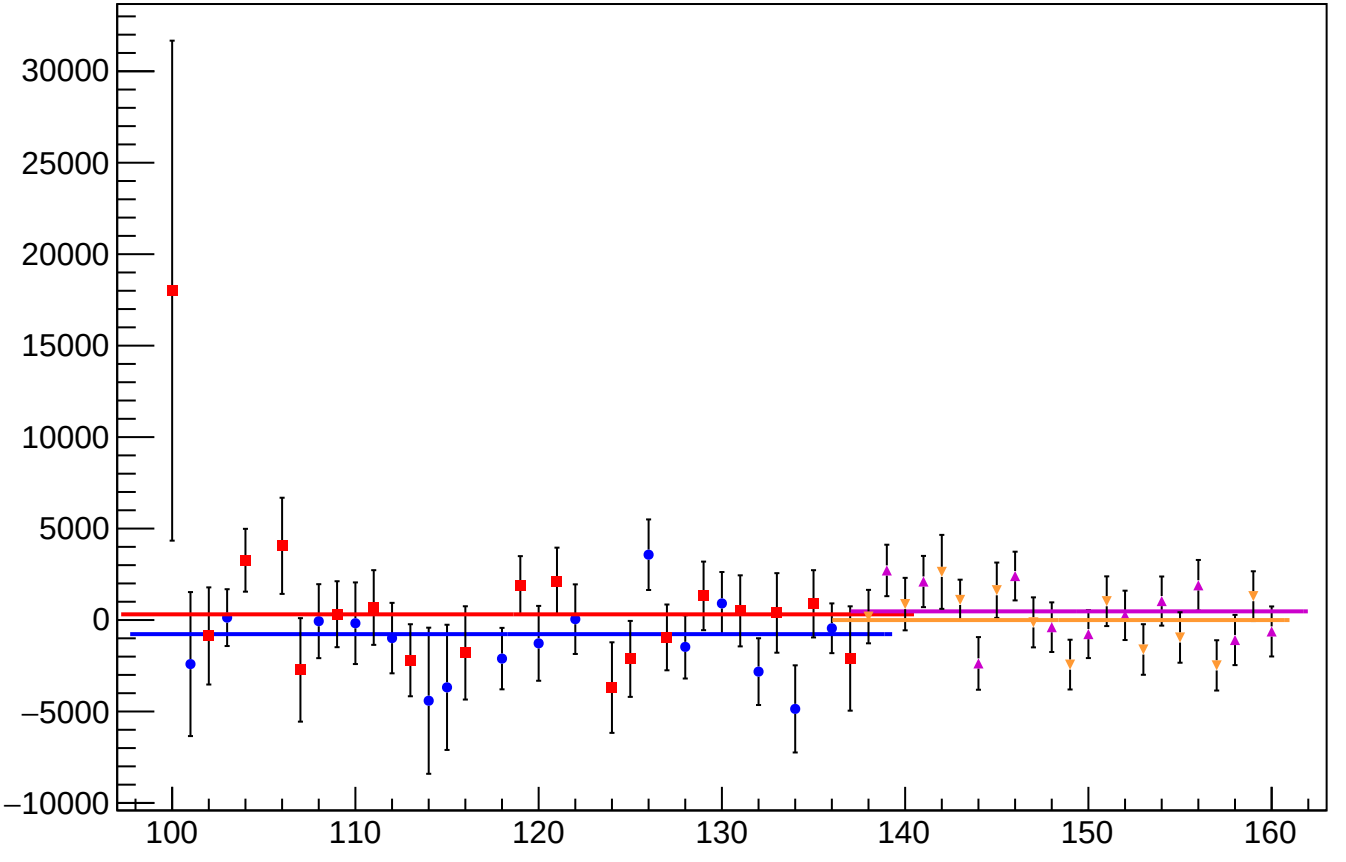
Left In: 354.877+/-0.083 χ^2/NDF:775905.4/10

+ sign 354.974+/-0.069 χ^2/NDF: 6859170.9/27

All: 359.808+/-0.049 χ^2/NDF: 12246576.8/57

- sign 364.566+/-0.068 χ^2/NDF: 5377661.5/29

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -2.439+/-402.054 χ^2/NDF:14.0/11

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

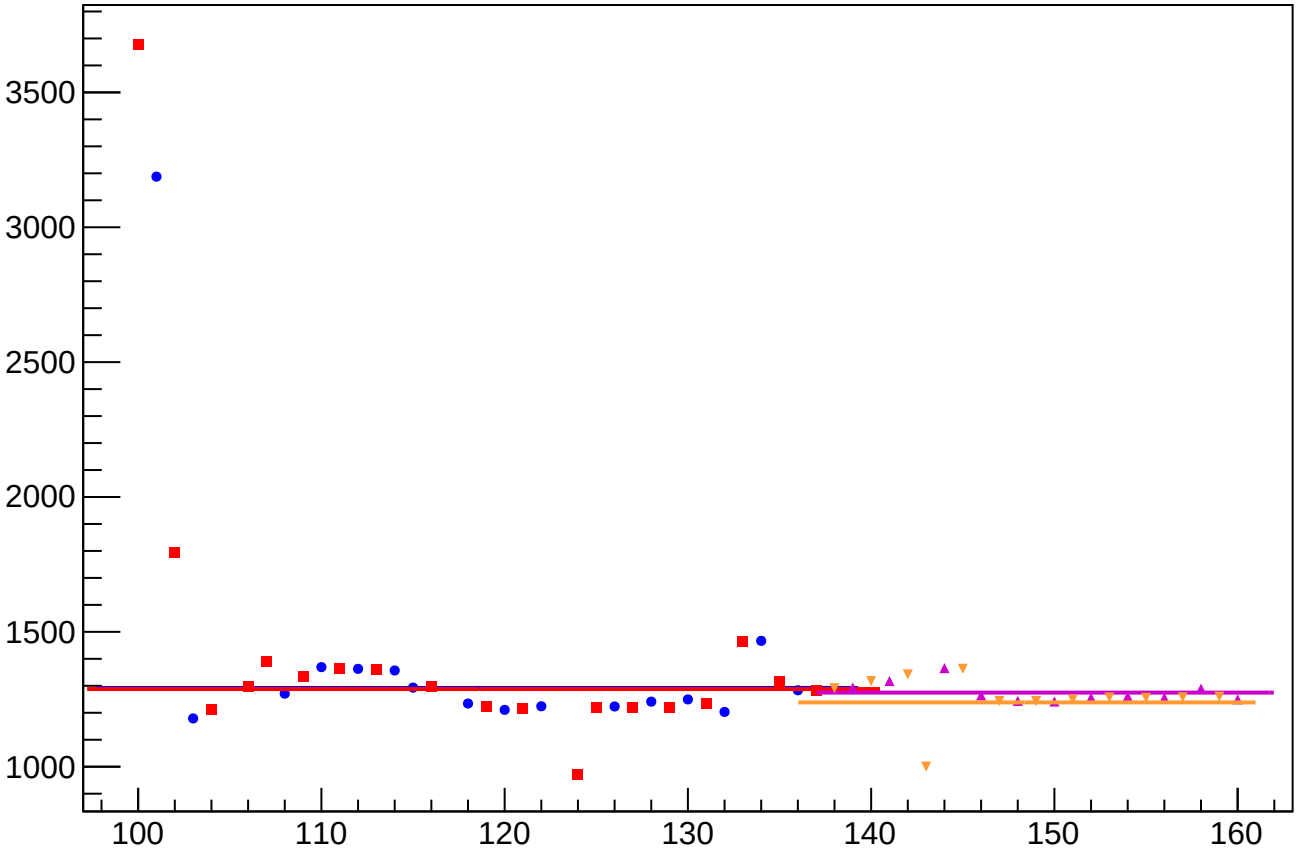
Left In: 473.816+/-412.482 χ^2/NDF:14.4/10

+ sign -312.179+/-310.715 χ^2/NDF: 29.1/27

All: 43.265+/-220.710 χ^2/NDF: 64.2/57

- 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: 1238.413+/-0.284 χ^2/NDF:121647.1/11

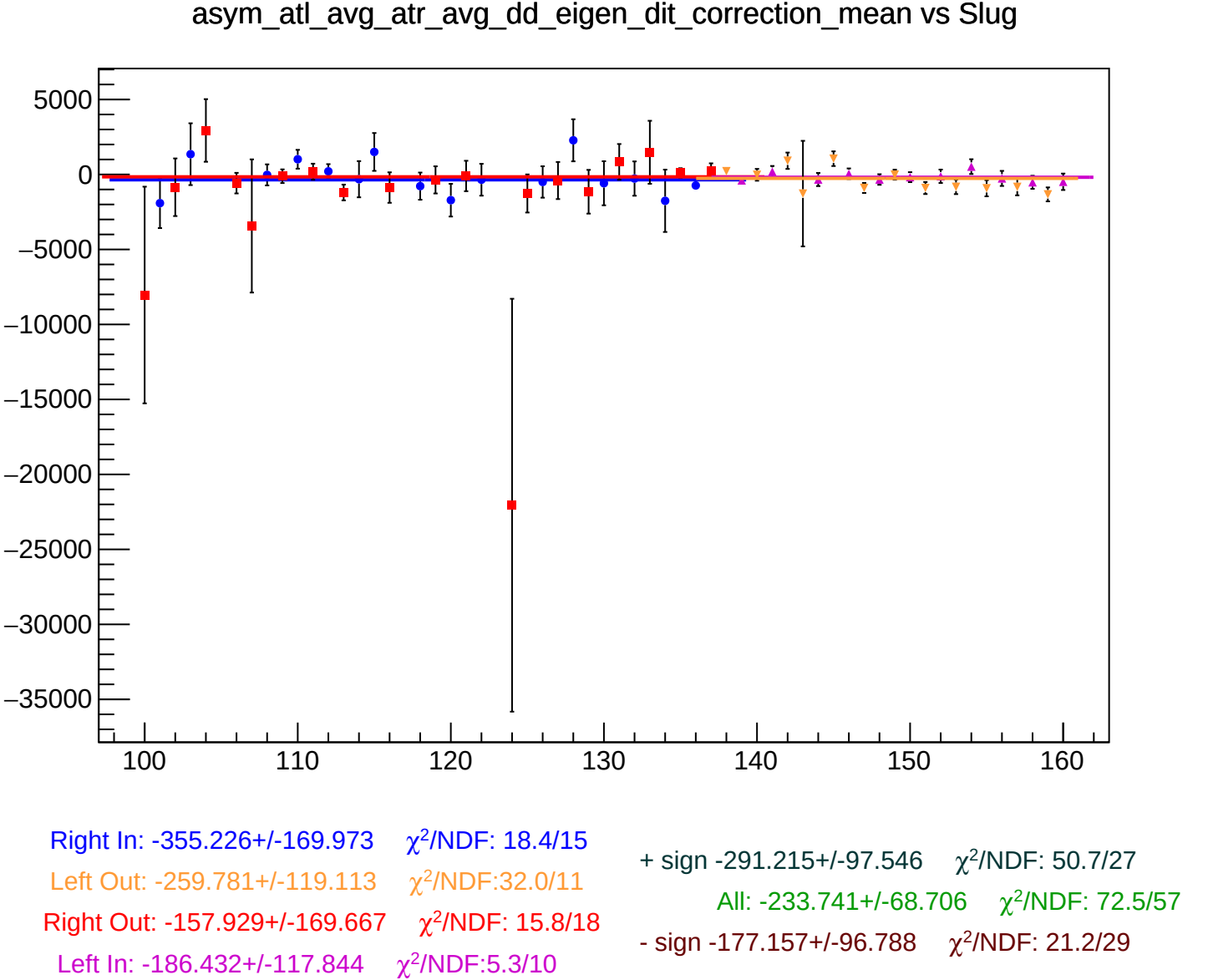
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

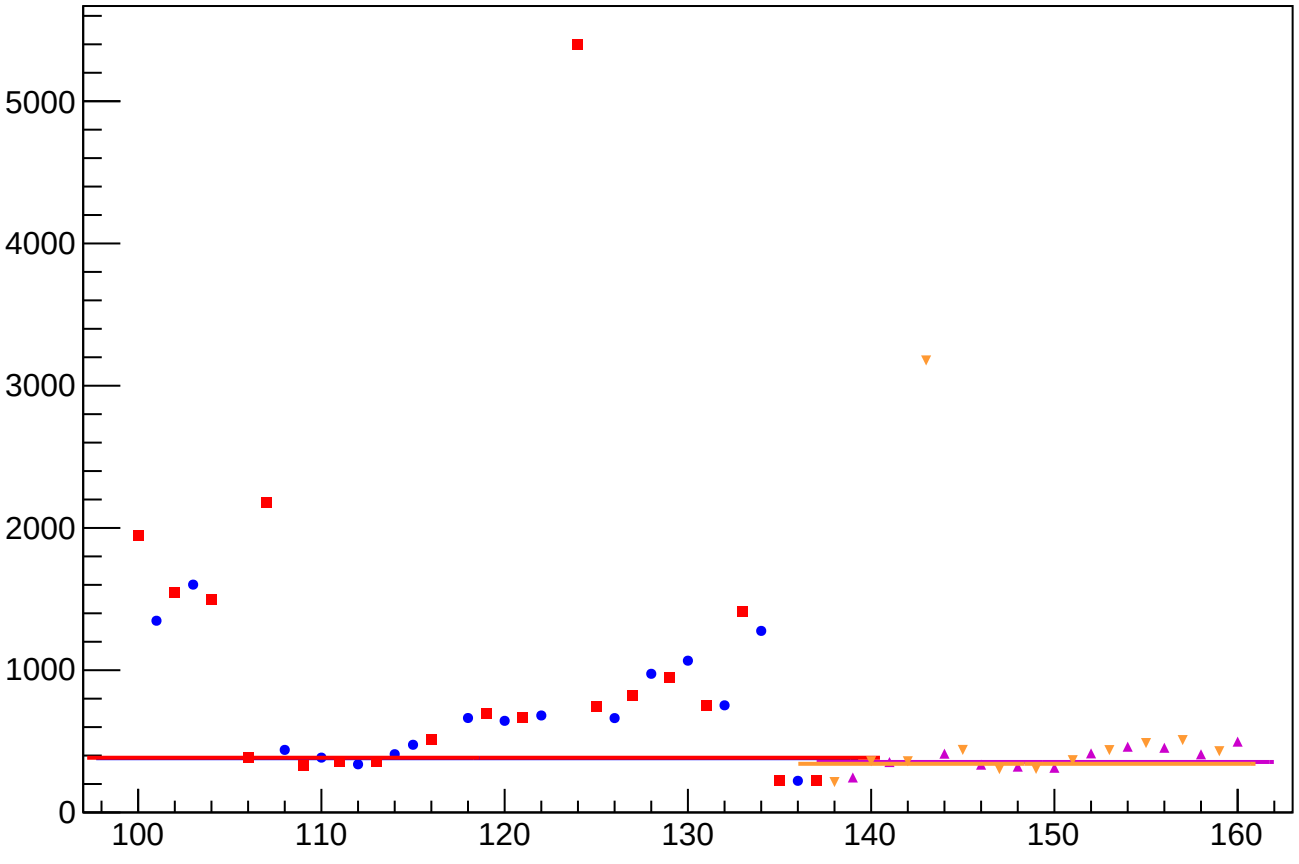
Left In: 1274.825+/-0.292 χ^2/NDF:14503.7/10

+ sign 1260.011+/-0.220 χ^2/NDF: 645382.7/27

All: 1270.103+/-0.156 χ^2/NDF: 874214.1/57

- sign 1280.381+/-0.222 χ^2/NDF: 224572.5/29


asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
100
110
120
130
140
150
160
Right In: -355.226+/-169.973 χ²/NDF: 18.4/15
Left Out: -259.781+/-119.113 χ²/NDF:32.0/11
Right Out: -157.929+/-169.667 χ²/NDF: 15.8/18
Left In: -186.432+/-117.844 χ²/NDF:5.3/10
+ sign -291.215+/-97.546 χ²/NDF: 50.7/27
All: -233.741+/-68.706 χ²/NDF: 72.5/57
- sign -177.157+/-96.788 χ²/NDF: 21.2/29



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 342.029+/-0.084 χ^2/NDF:2469281.6/11

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

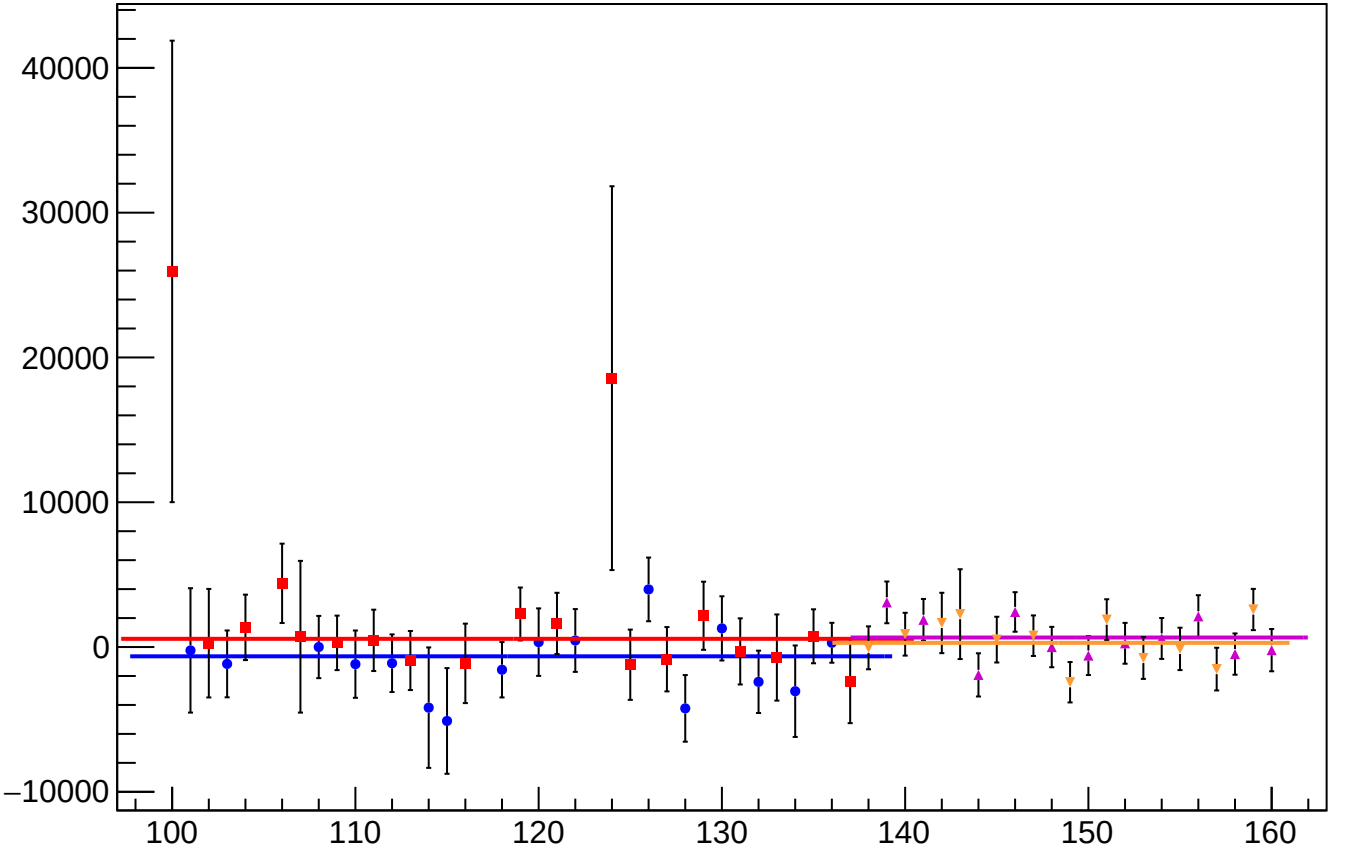
Left In: 354.882+/-0.083 χ^2/NDF:775808.4/10

+ sign 354.982+/-0.069 χ^2/NDF: 6858833.6/27

All: 359.814+/-0.049 χ^2/NDF: 12246004.8/57

- 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: 288.206+/-443.931 χ^2/NDF:11.0/11

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

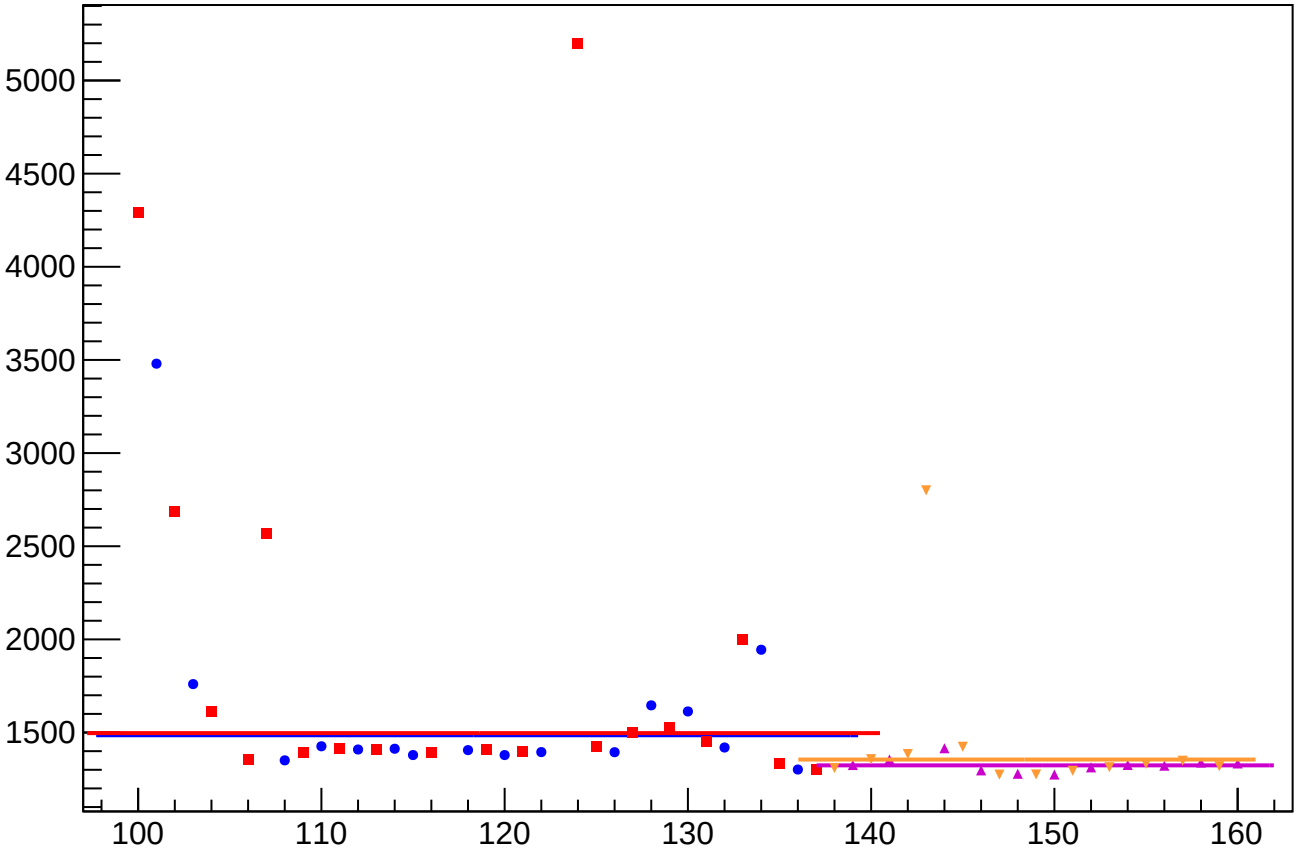
Left In: 657.388+/-428.345 χ^2/NDF:11.4/10

\+ sign -66.903+/-348.921 χ^2/NDF: 25.2/27

All: 286.059+/-244.142 χ^2/NDF: 49.9/57

\- 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: 1355.044+/-0.314 χ^2/NDF:460197.8/11

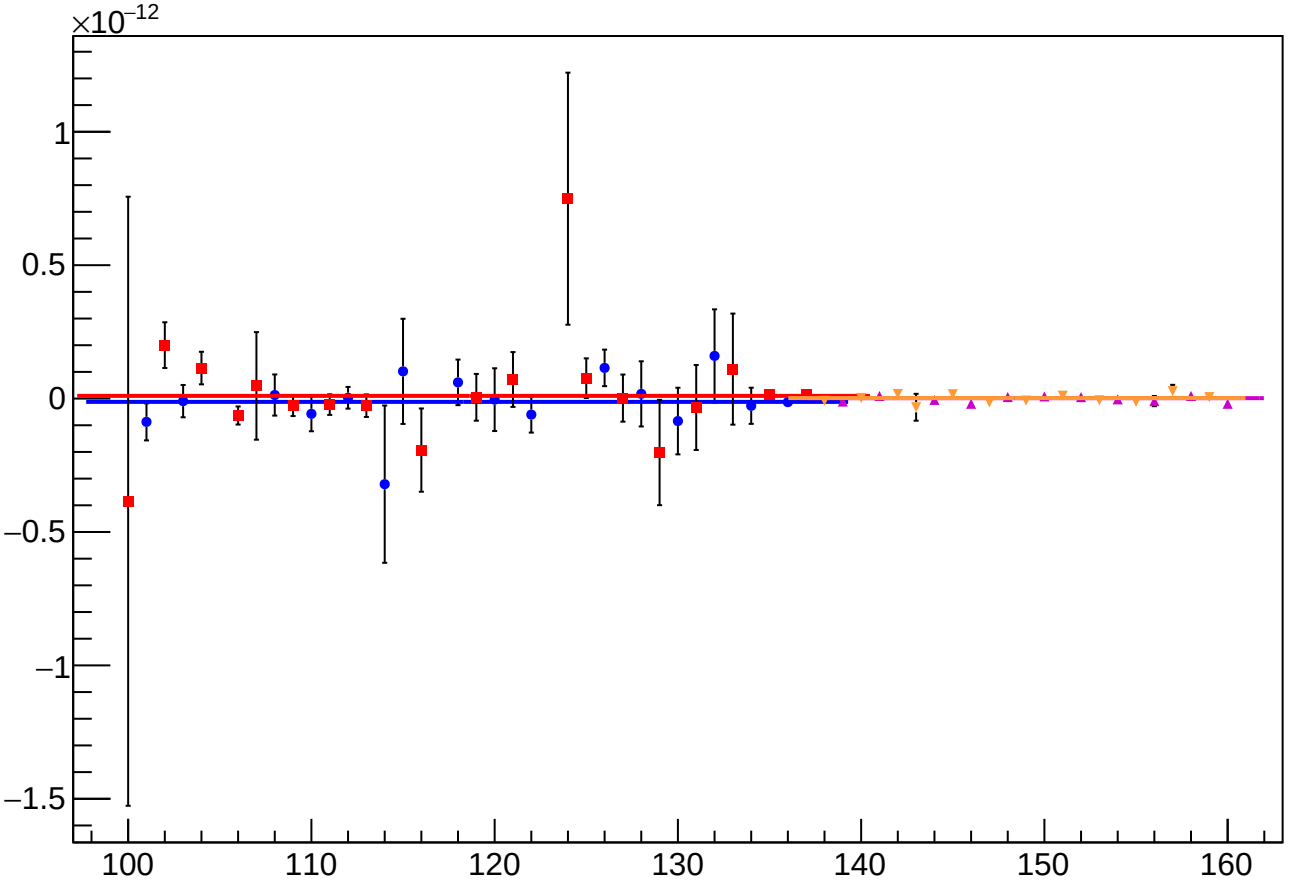
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1323.807+/-0.303 χ^2/NDF:14526.0/10

+ sign 1404.860+/-0.247 χ^2/NDF: 1110553.9/27

All: 1395.601+/-0.173 χ^2/NDF: 1869810.8/57

- 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:12.1/11

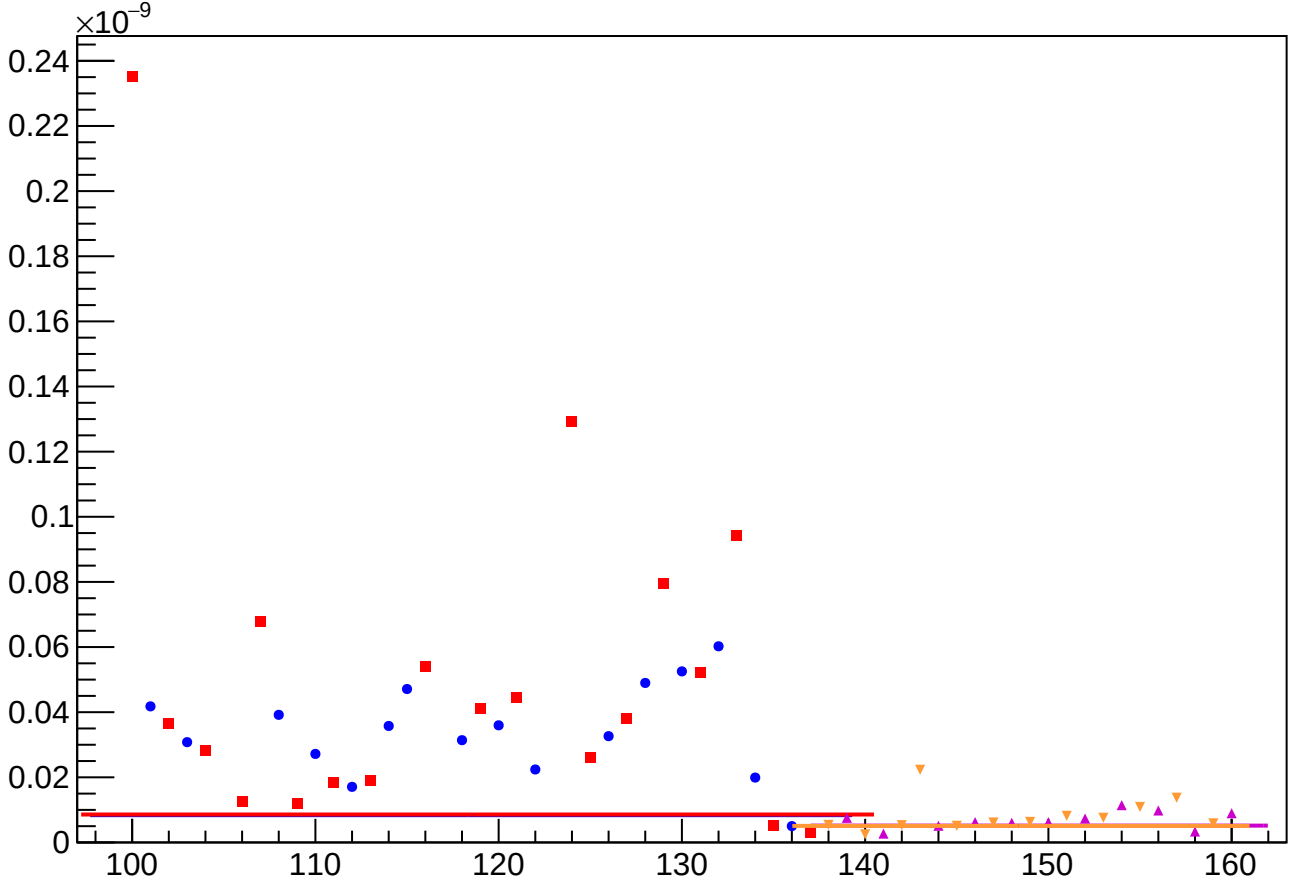
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 24.8/27

All: 0.000+/-0.000 χ^2/NDF: 61.4/57

- 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:1534636.1/11

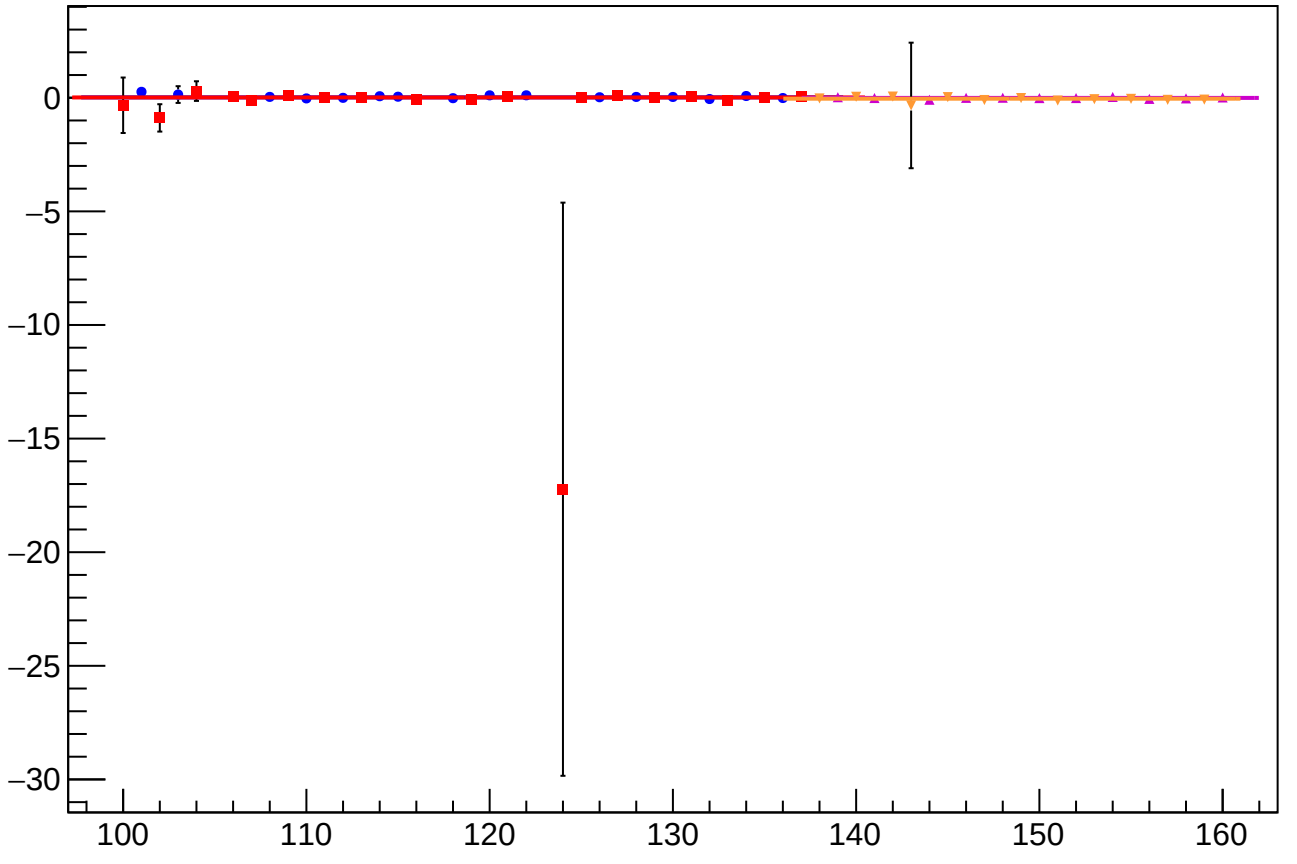
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1207527.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 4936313.2/27

All: 0.000+/-0.000 χ^2/NDF: 9812826.6/57

- 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: -0.041+/-0.013 χ^2/NDF:17.3/11

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

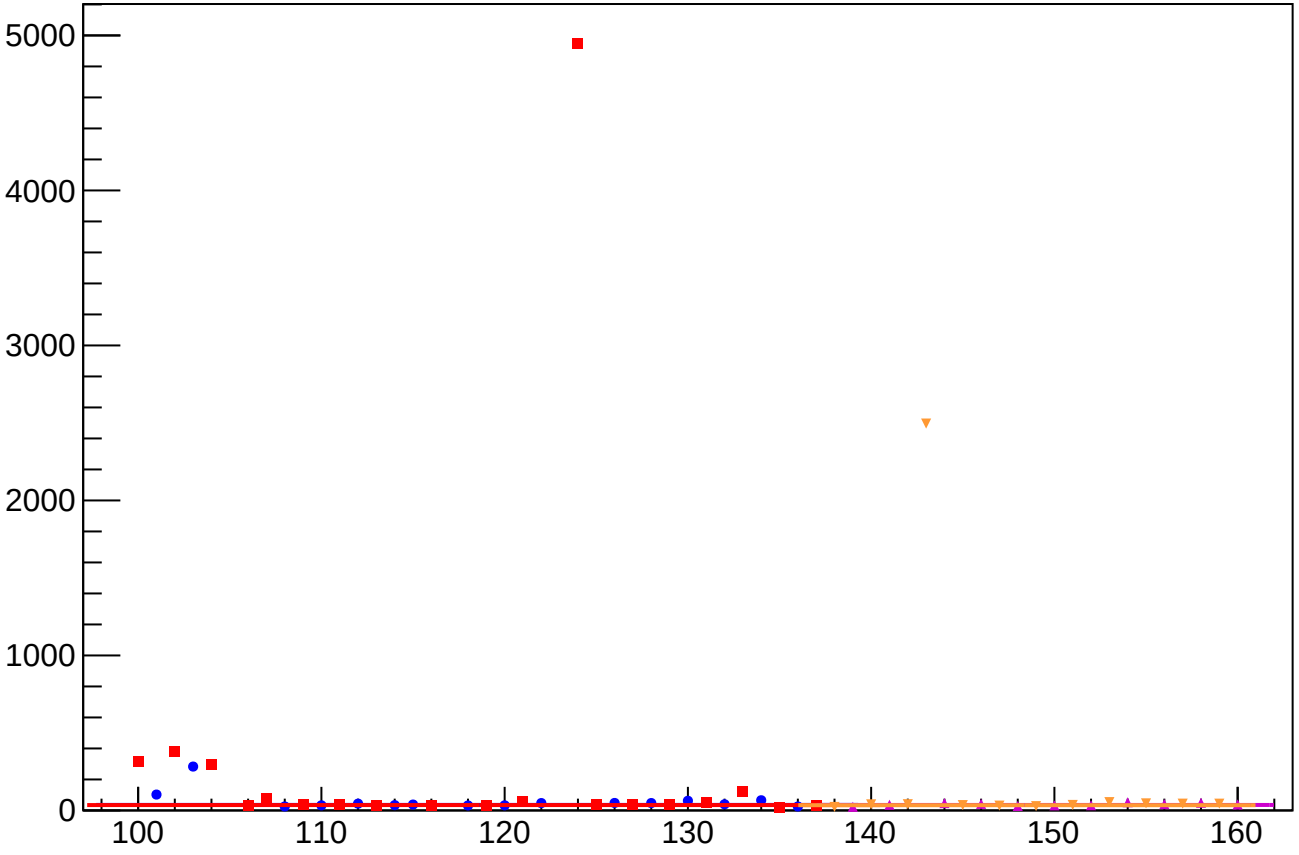
Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.008+/-0.007 χ^2/NDF: 61.5/57

- 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: 33.934+/-0.009 χ^2/NDF:2526288.4/11

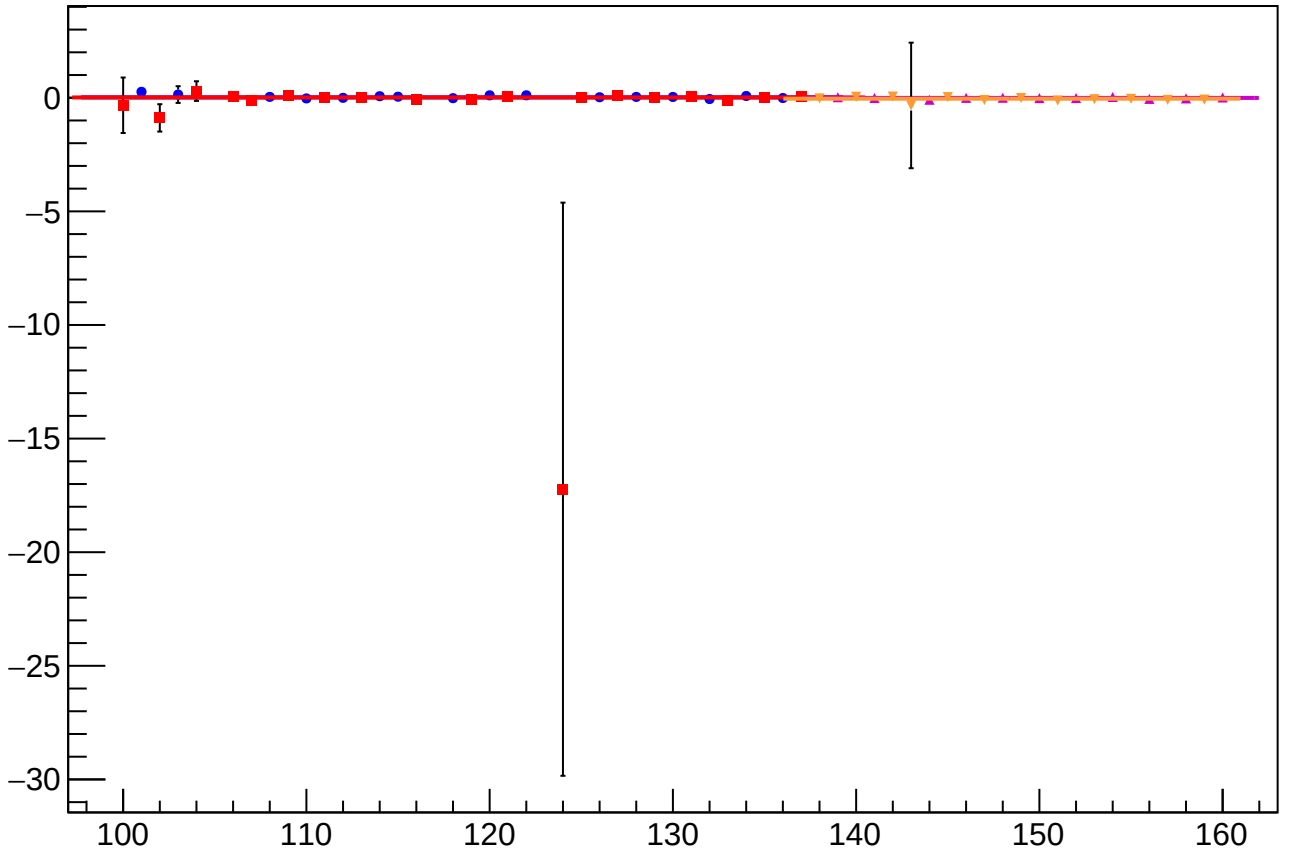
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.469+/-0.009 χ^2/NDF:922702.9/10

\+ sign 34.657+/-0.007 χ^2/NDF: 4807506.1/27

All: 34.929+/-0.005 χ^2/NDF: 8649703.0/57

\- 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: -0.041+/-0.013 χ^2/NDF:17.3/11

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

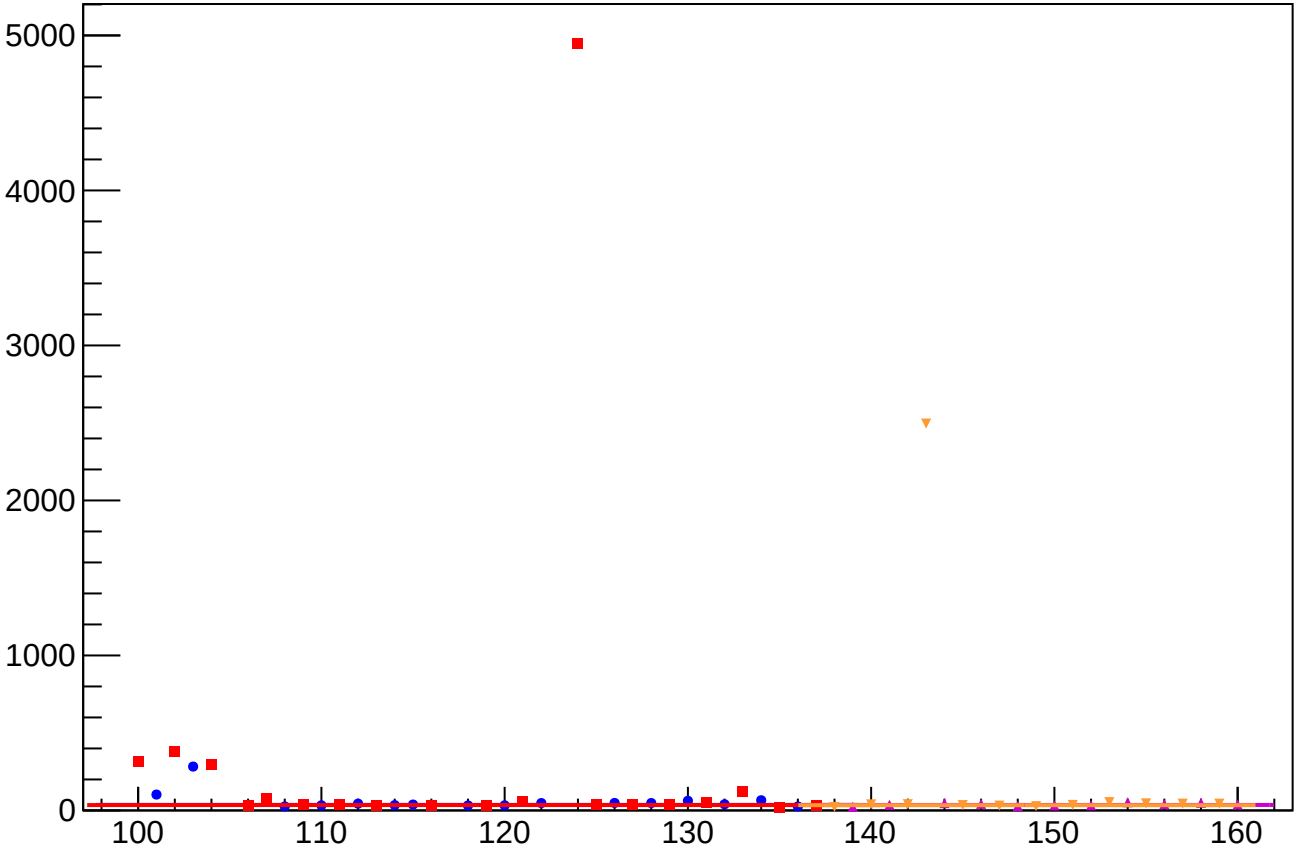
Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.008+/-0.007 χ^2/NDF: 61.5/57

- 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: 33.934+/-0.009 χ^2/NDF:2526288.4/11

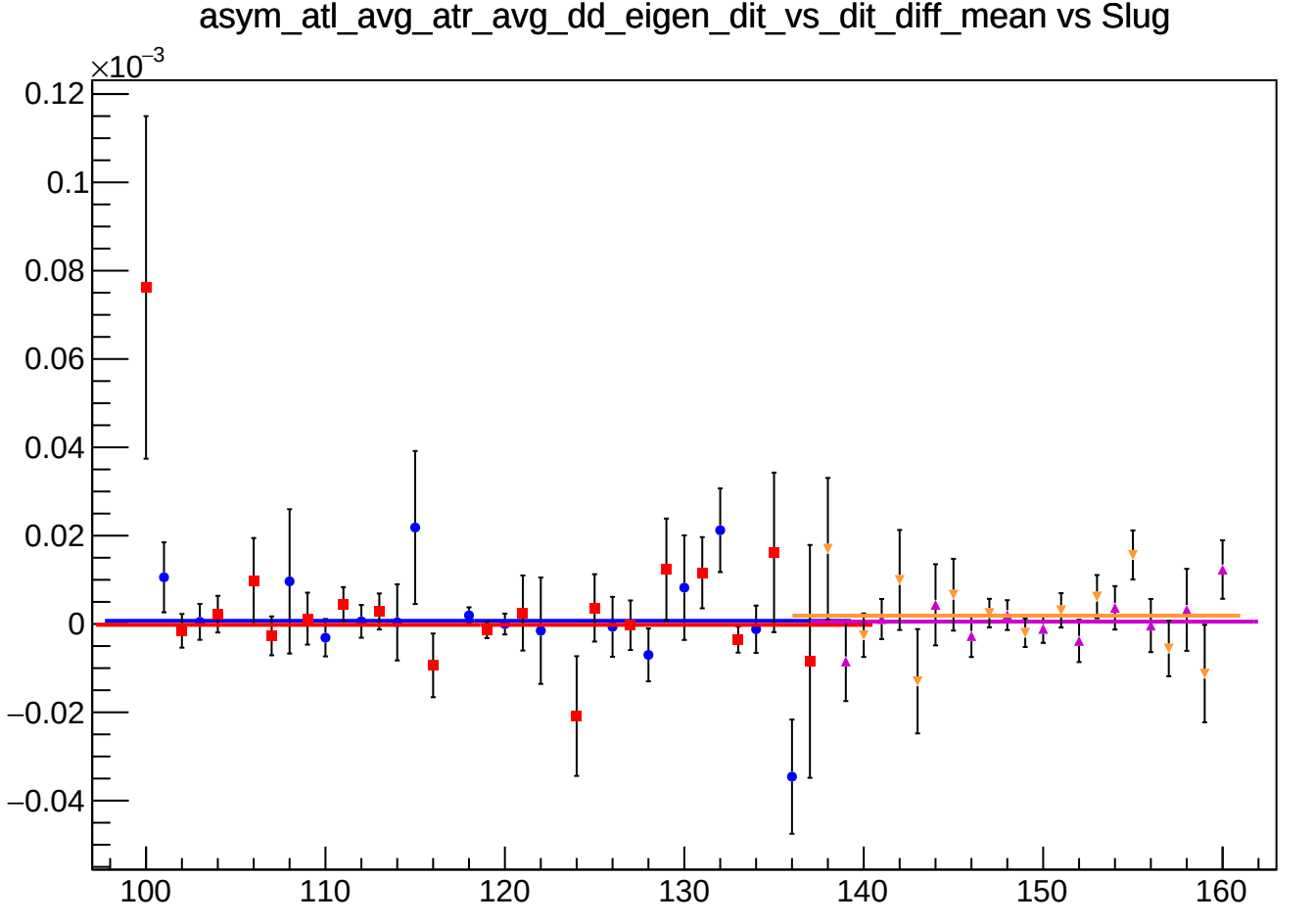
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

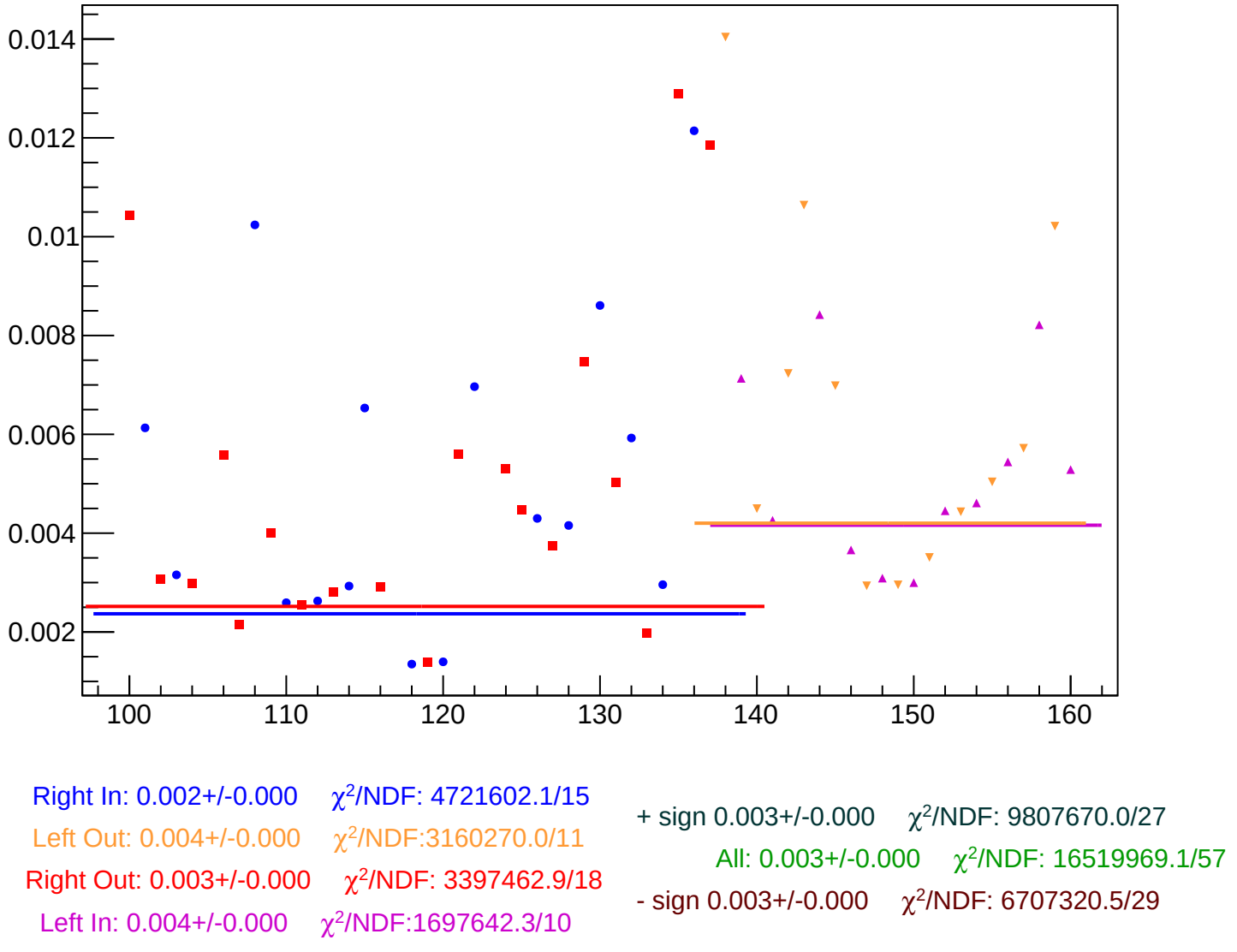
Left In: 35.469+/-0.009 χ^2/NDF:922702.9/10

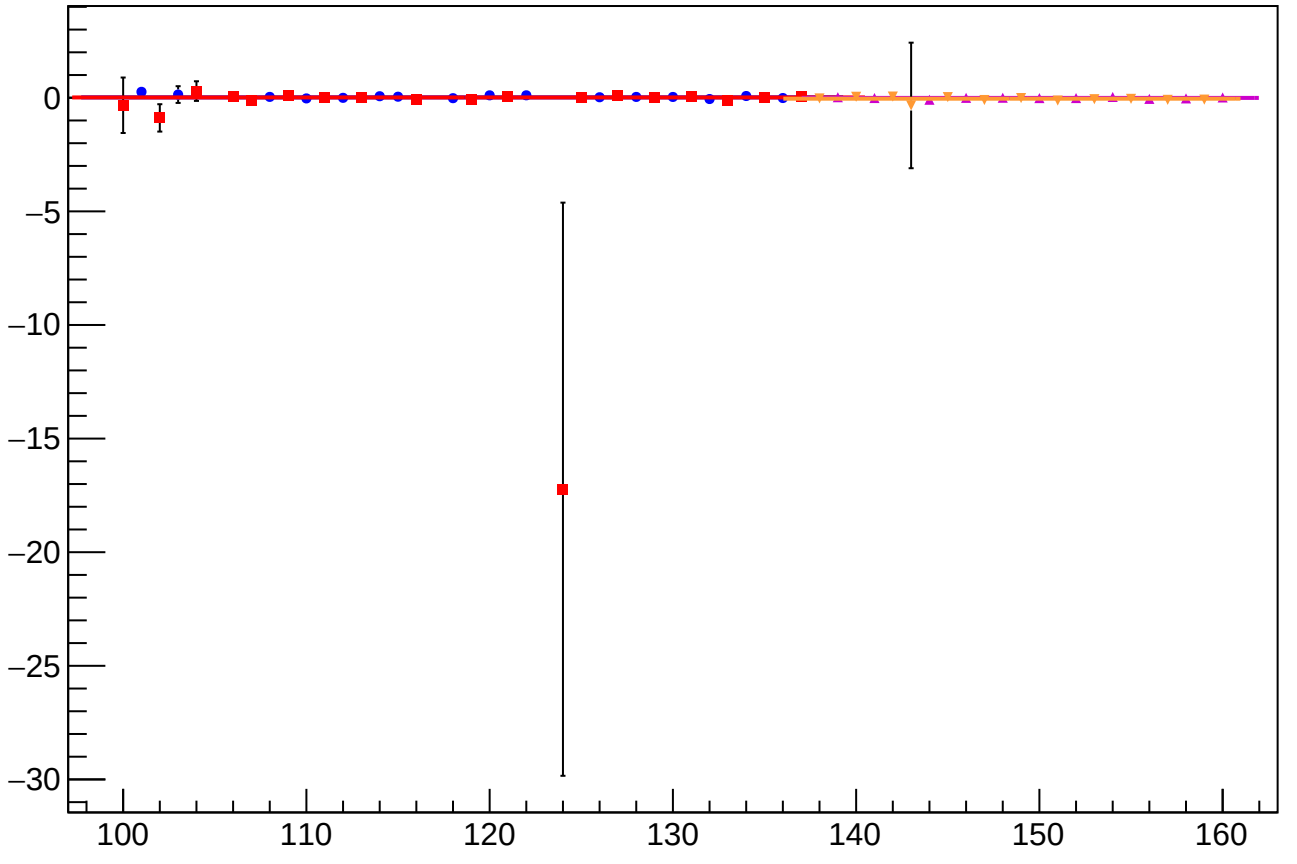
\+ sign 34.657+/-0.007 χ^2/NDF: 4807506.1/27

All: 34.929+/-0.005 χ^2/NDF: 8649703.0/57

\- sign 35.204+/-0.007 χ^2/NDF: 3839084.1/29


asym_atl_avg_atr_avg_dd_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:15.4/11
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: 34.9/27
All: 0.000+/-0.000 χ²/NDF: 60.5/57
- sign 0.000+/-0.000 χ²/NDF: 24.9/29


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.004+/-0.000 χ²/NDF:3160270.0/11
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.004+/-0.000 χ²/NDF:1697642.3/10
+ sign 0.003+/-0.000 χ²/NDF: 9807670.0/27
All: 0.003+/-0.000 χ²/NDF: 16519969.1/57
- sign 0.003+/-0.000 χ²/NDF: 6707320.5/29



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.041+/-0.013 χ^2/NDF:17.3/11

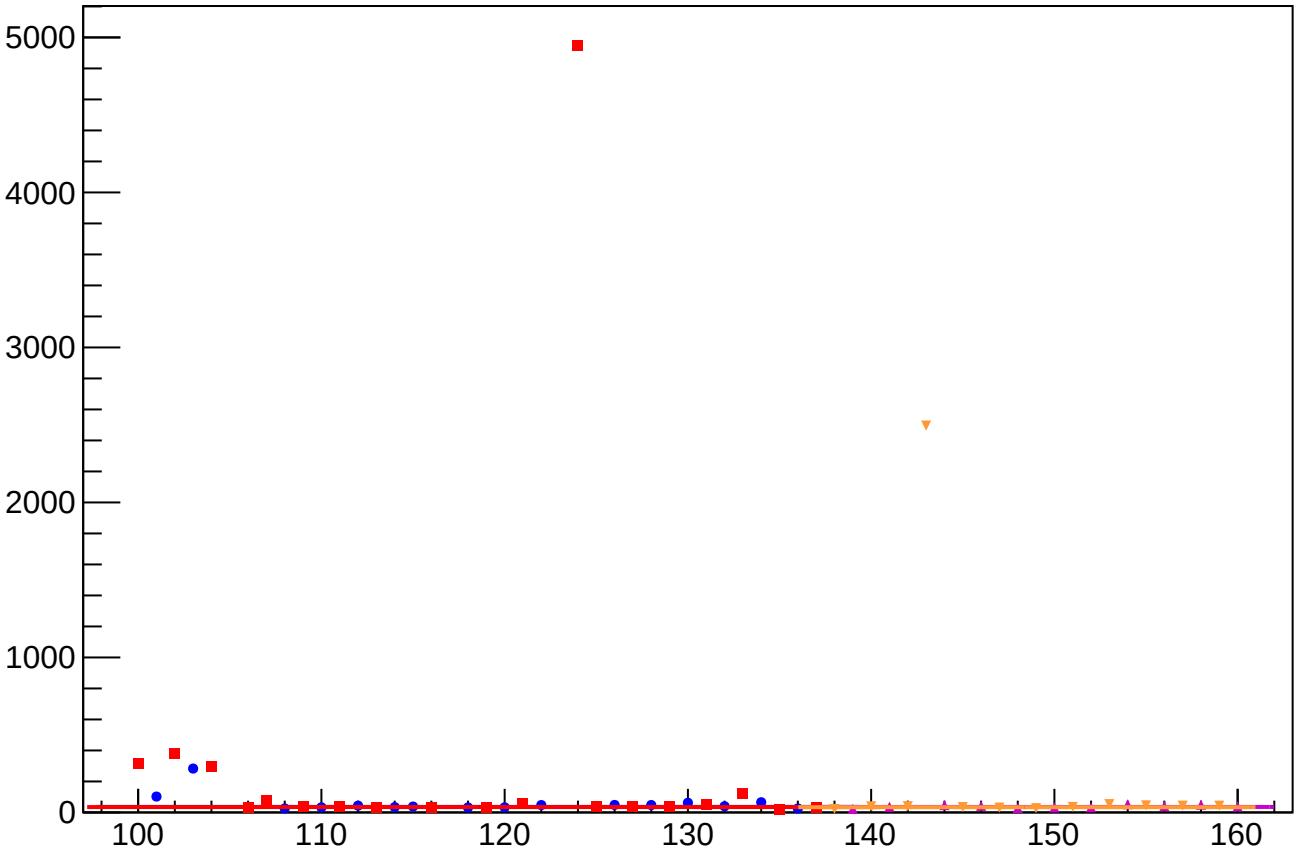
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.008+/-0.007 χ^2/NDF: 61.5/57

- 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: 33.934+/-0.009 χ^2/NDF:2526621.8/11

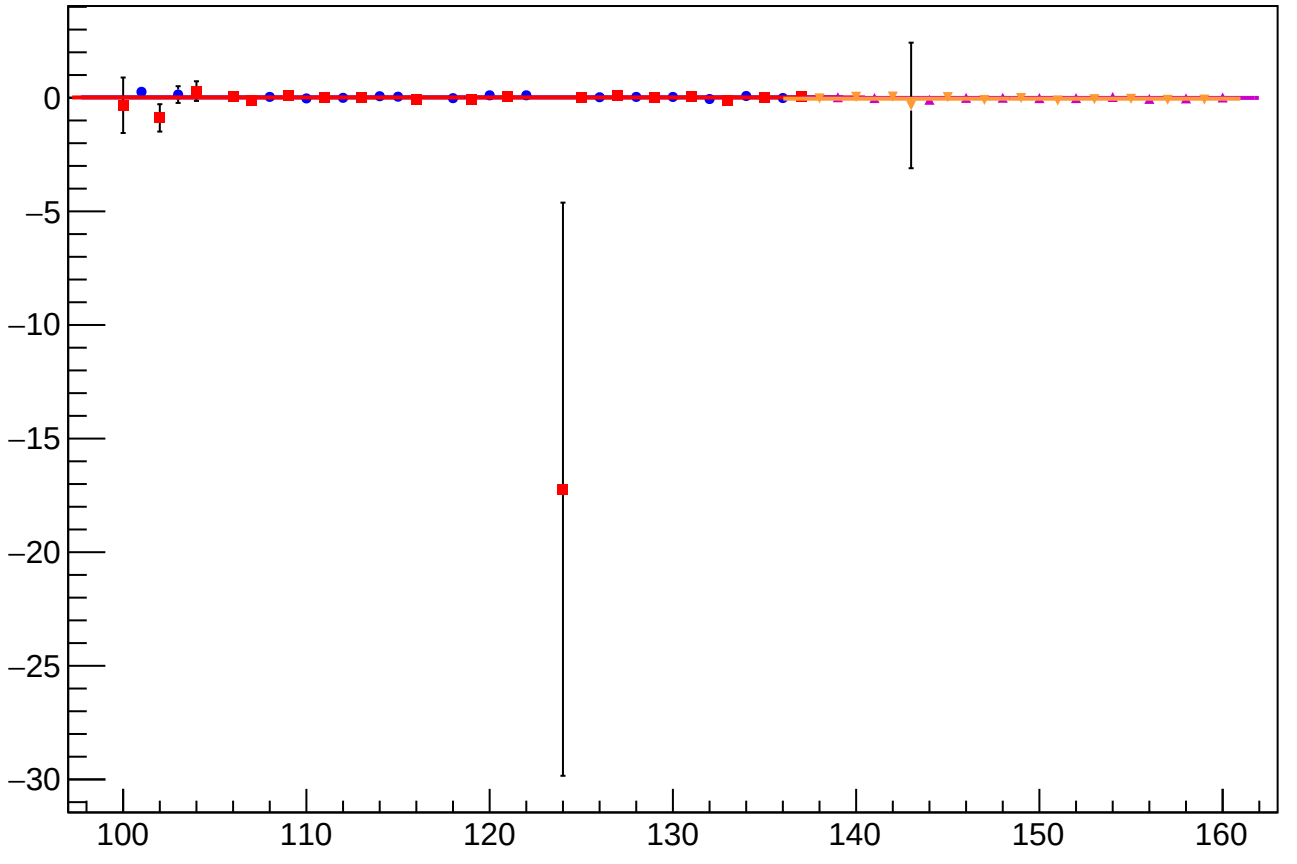
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.468+/-0.009 χ^2/NDF:923295.6/10

\+ sign 34.658+/-0.007 χ^2/NDF: 4807588.2/27

All: 34.930+/-0.005 χ^2/NDF: 8650178.9/57

\- 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: -0.041+/-0.013 χ^2/NDF:17.3/11

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

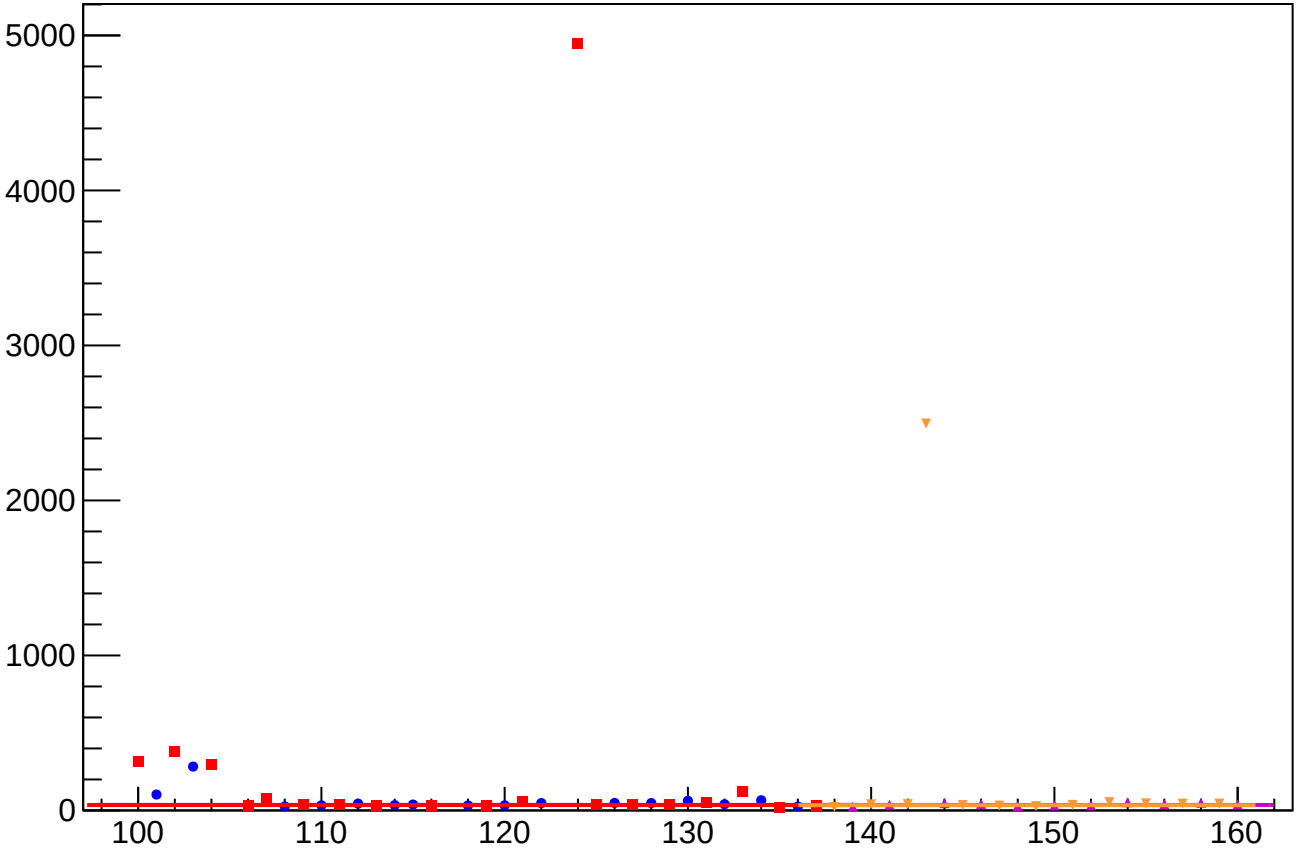
Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.008+/-0.007 χ^2/NDF: 61.5/57

- 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: 33.934+/-0.009 χ^2/NDF:2526621.8/11

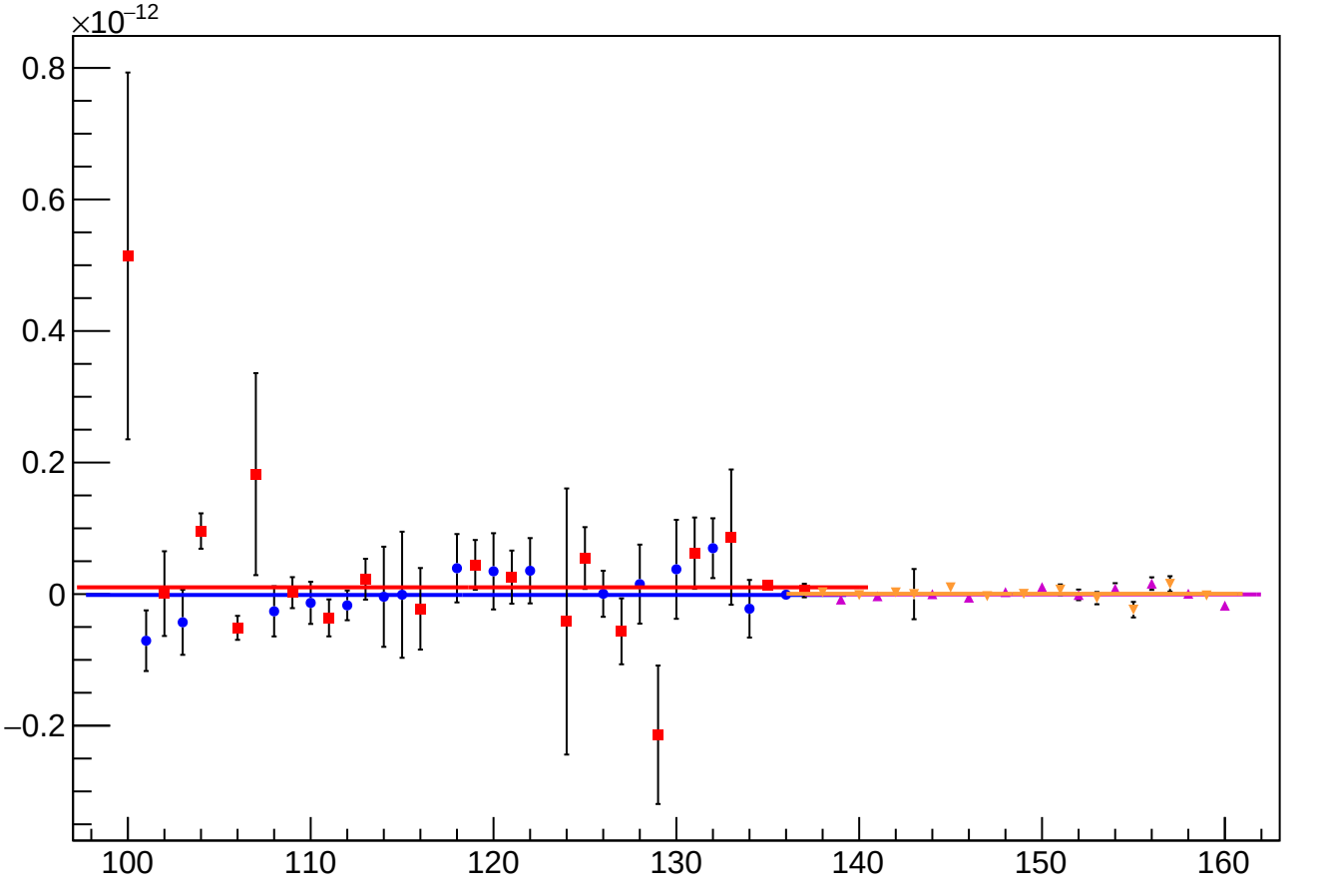
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.468+/-0.009 χ^2/NDF:923295.6/10

+ sign 34.658+/-0.007 χ^2/NDF: 4807588.2/27

All: 34.930+/-0.005 χ^2/NDF: 8650178.9/57

- 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:10.5/11

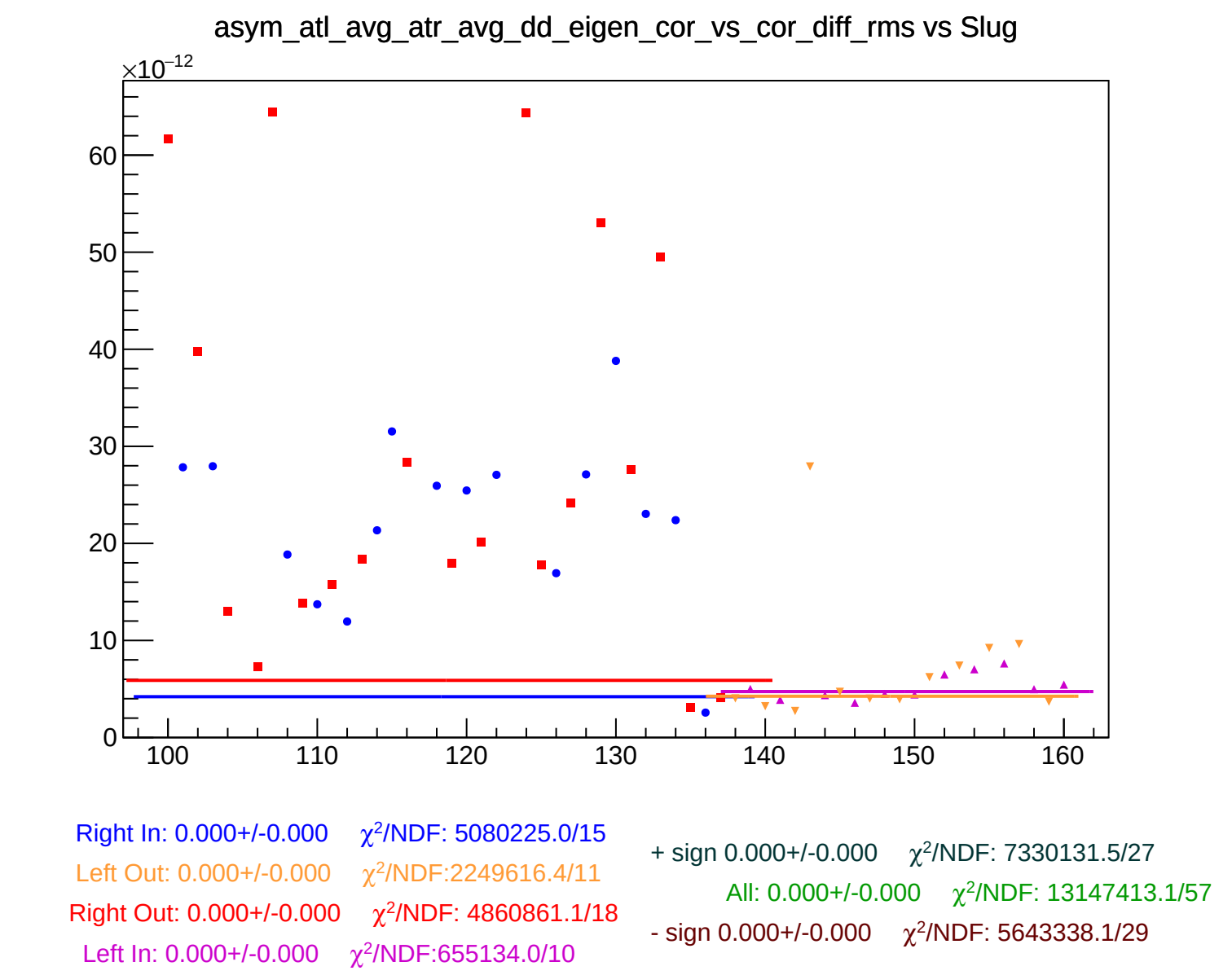
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.8/10

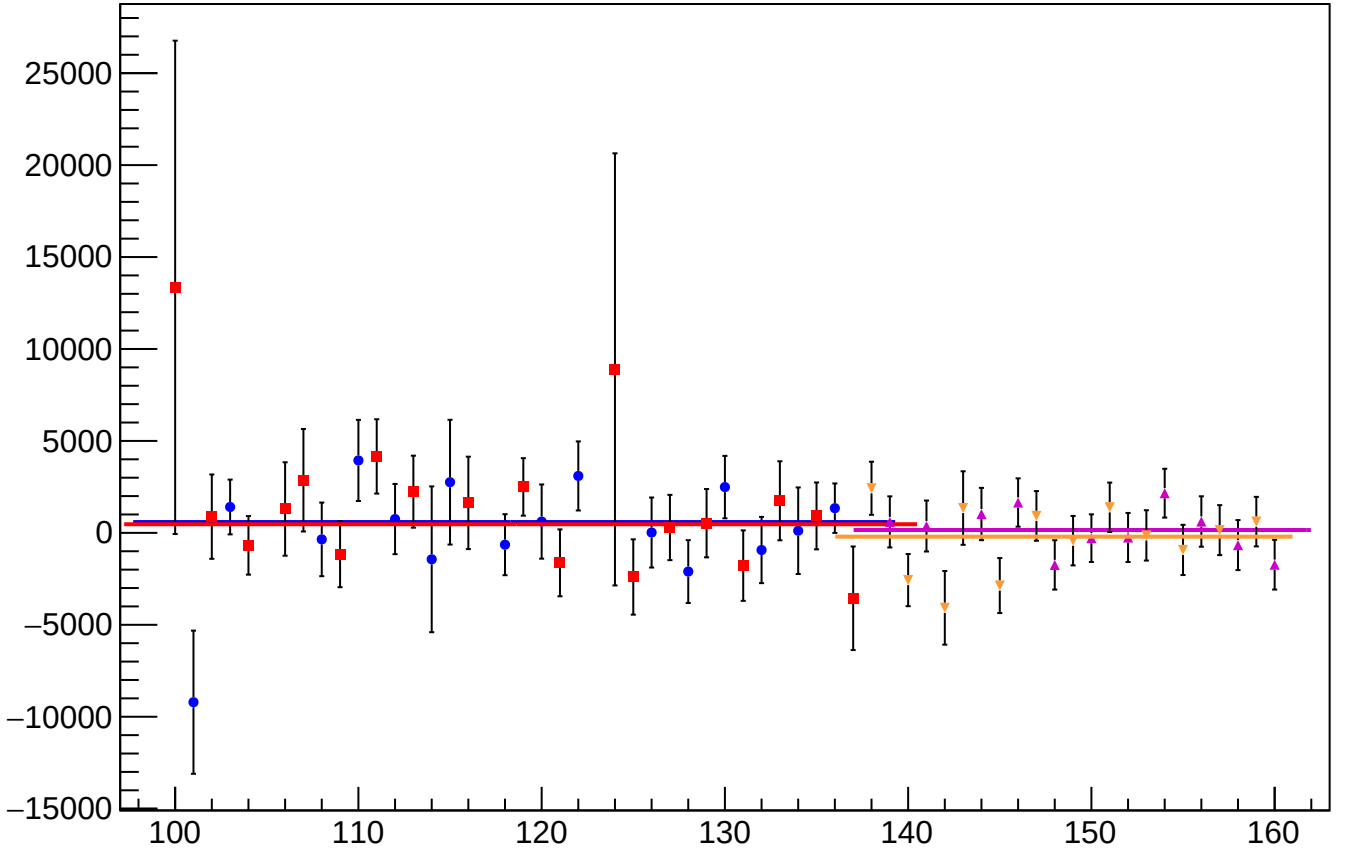
+ sign 0.000+/-0.000 χ^2/NDF: 19.4/27

All: 0.000+/-0.000 χ^2/NDF: 82.0/57

- 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:2249616.4/11
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: 7330131.5/27
All: 0.000+/-0.000 χ²/NDF: 13147413.1/57
- 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: -206.199+/-417.342 χ^2/NDF:16.5/11

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

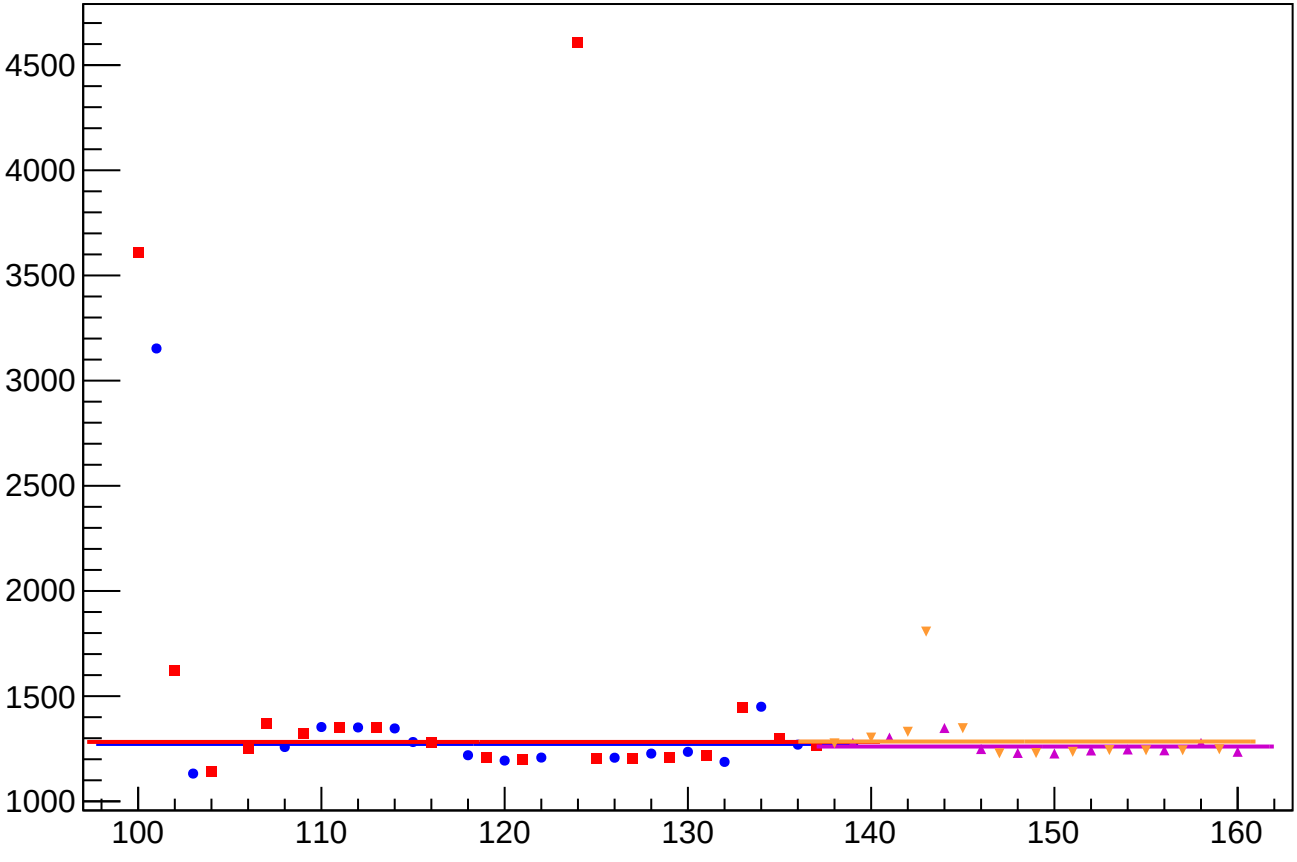
Left In: 155.093+/-407.833 χ^2/NDF:8.7/10

+ sign 133.290+/-315.629 χ^2/NDF: 35.1/27

All: 211.062+/-221.506 χ^2/NDF: 61.0/57

- 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: 1284.308+/-0.295 χ^2/NDF:158043.4/11

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

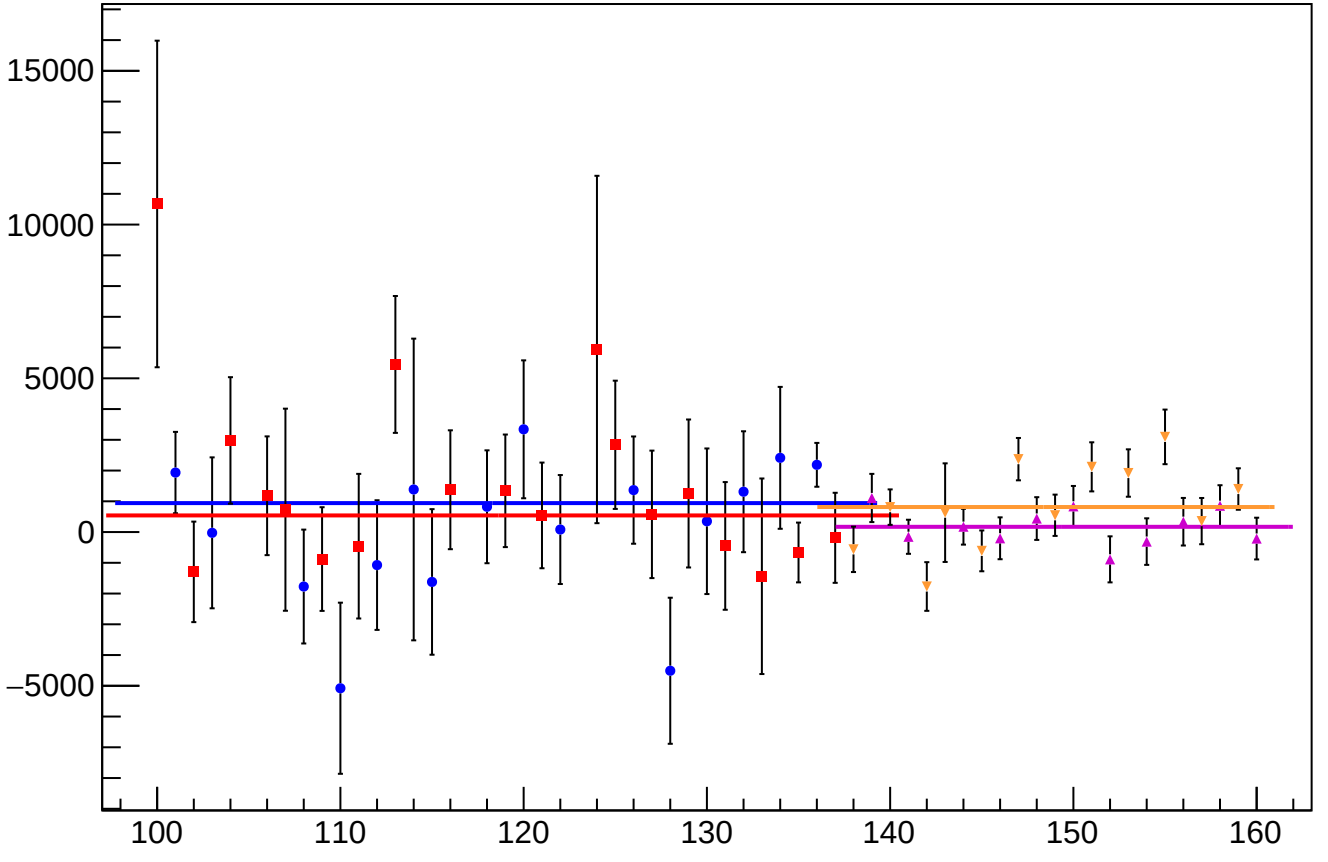
Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

+ sign 1279.384+/-0.223 χ^2/NDF: 677992.0/27

All: 1274.442+/-0.157 χ^2/NDF: 1017804.2/57

- sign 1269.646+/-0.220 χ^2/NDF: 338846.1/29

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 814.105+/-213.625 χ^2/NDF:36.5/11

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

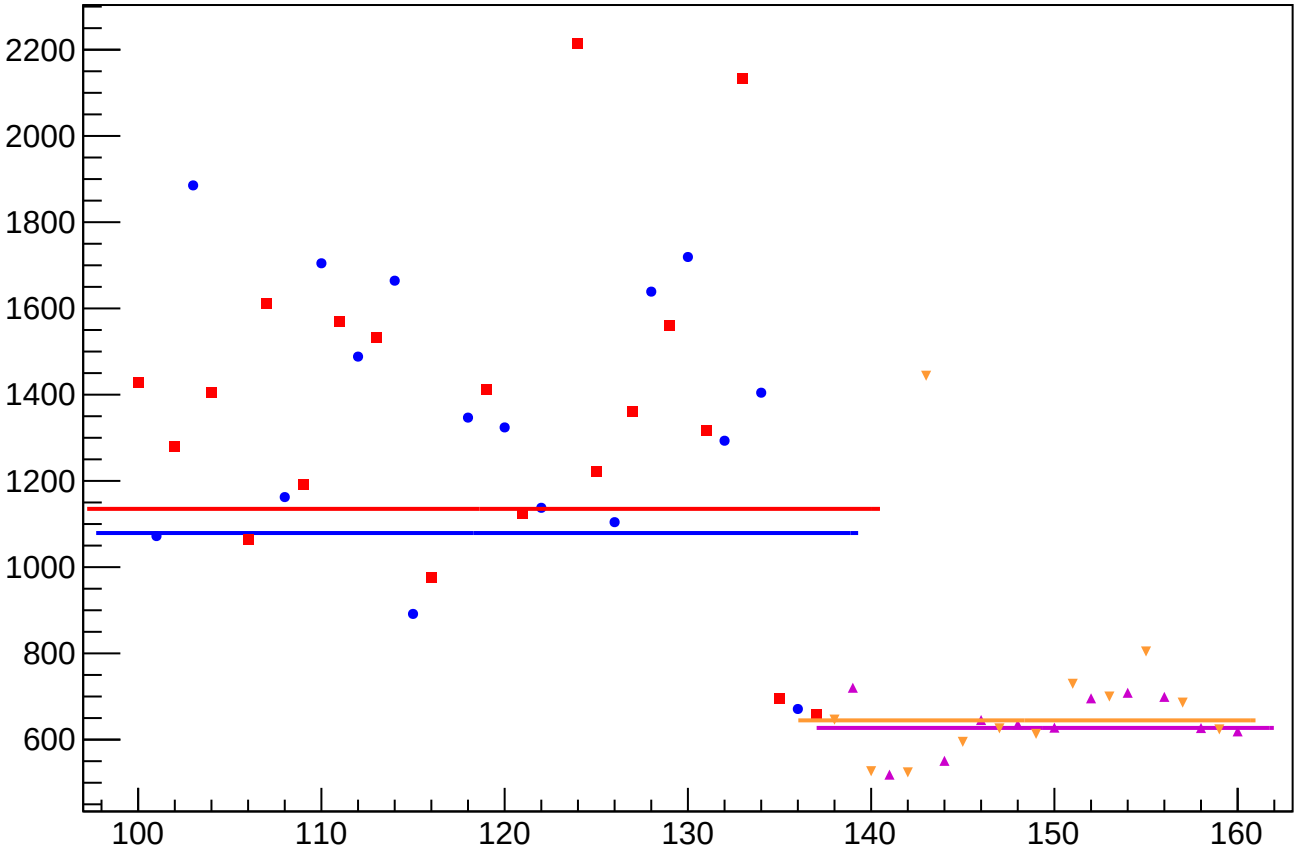
Left In: 170.401+/-204.394 χ^2/NDF:7.0/10

+ sign 839.772+/-190.945 χ^2/NDF: 56.5/27

All: 529.000+/-133.001 χ^2/NDF: 86.4/57

- sign 236.135+/-185.363 χ^2/NDF: 24.8/29

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 644.651+/-0.151 χ^2/NDF:749636.9/11

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

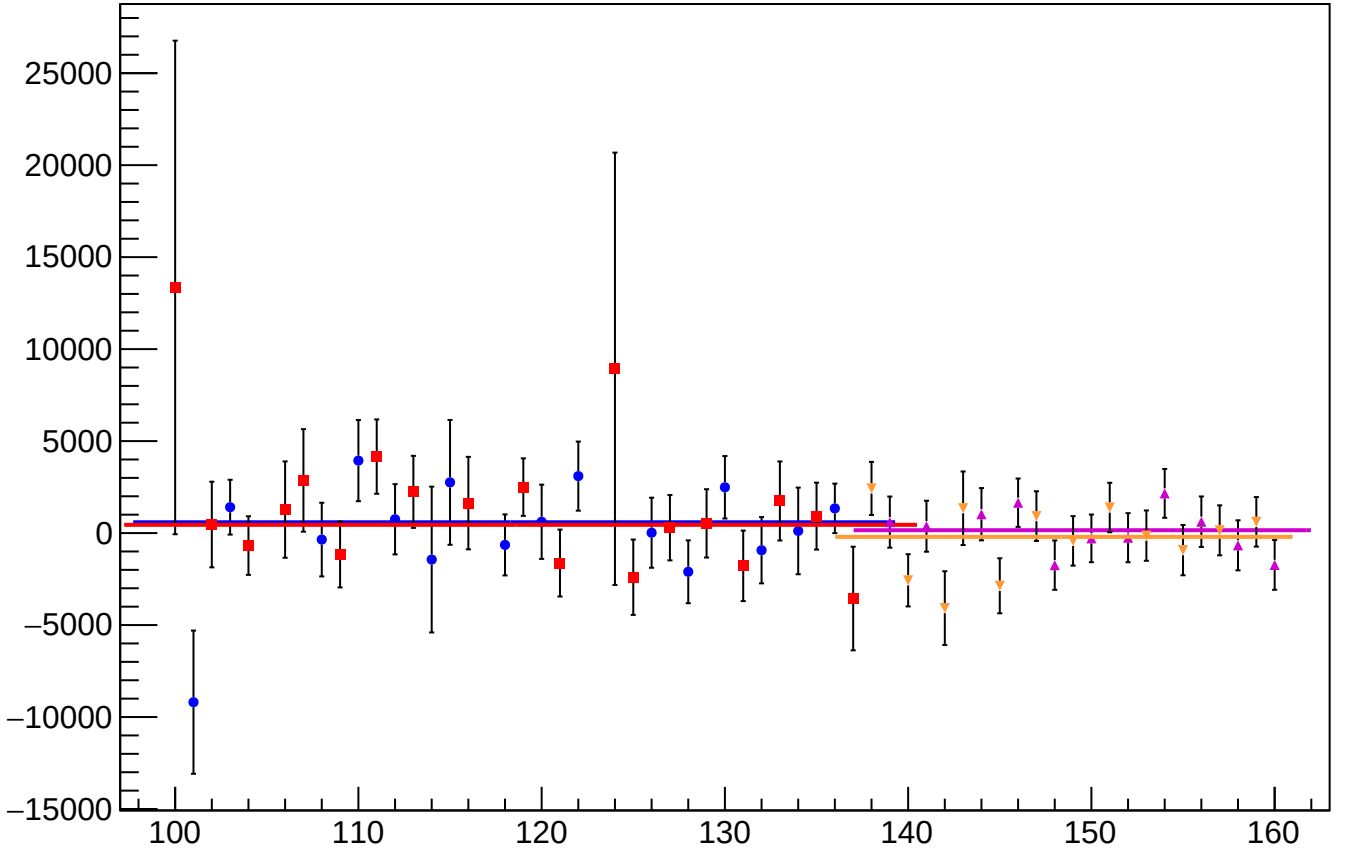
Left In: 627.151+/-0.145 χ^2/NDF:198310.9/10

+ sign 732.006+/-0.135 χ^2/NDF: 3895182.3/27

All: 724.460+/-0.094 χ^2/NDF: 7586282.7/57

- 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: -206.332+/-417.342 χ^2/NDF:16.5/11

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

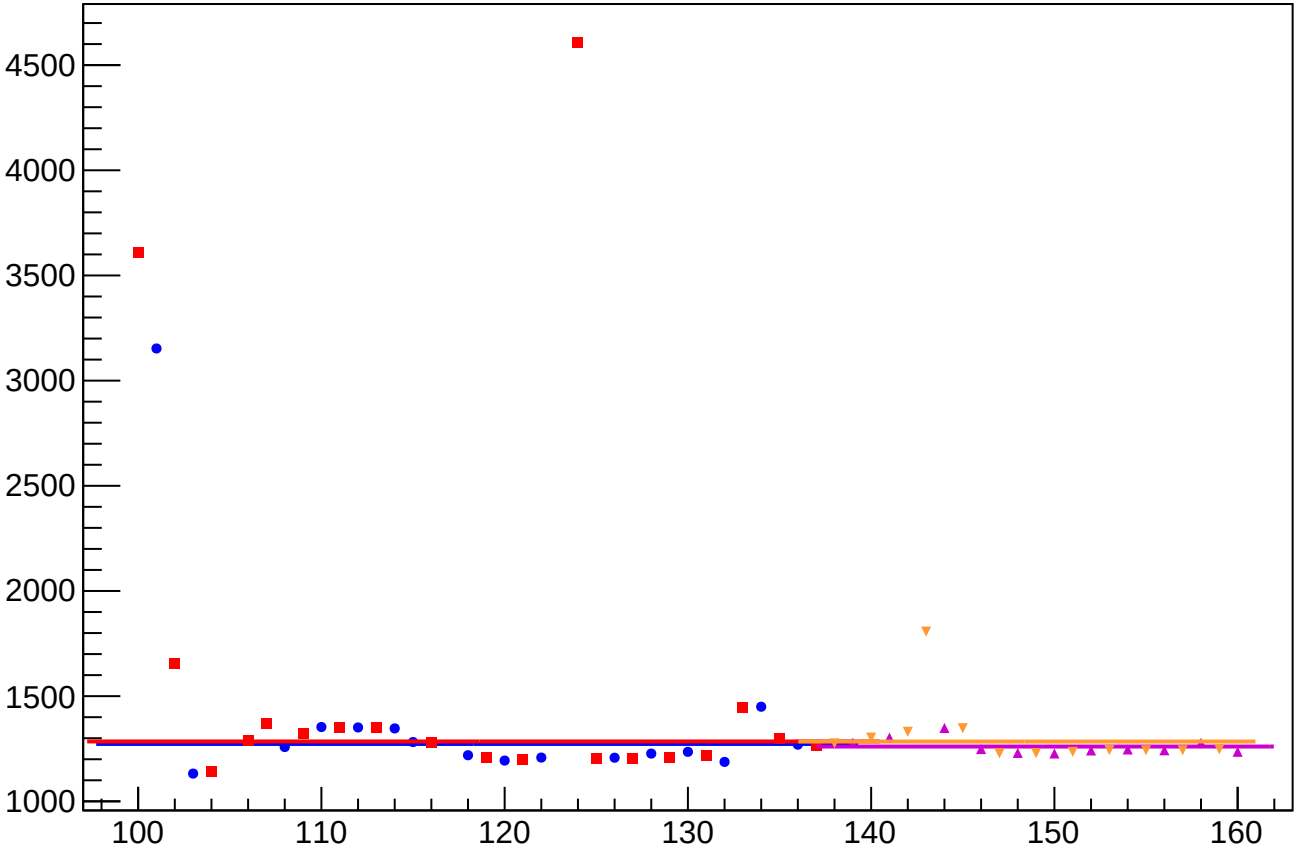
Left In: 155.064+/-407.833 χ^2/NDF:8.7/10

\+ sign 133.351+/-315.629 χ^2/NDF: 35.1/27

All: 206.531+/-221.586 χ^2/NDF: 60.9/57

\- 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: 1284.308+/-0.295 χ^2/NDF:158043.4/11

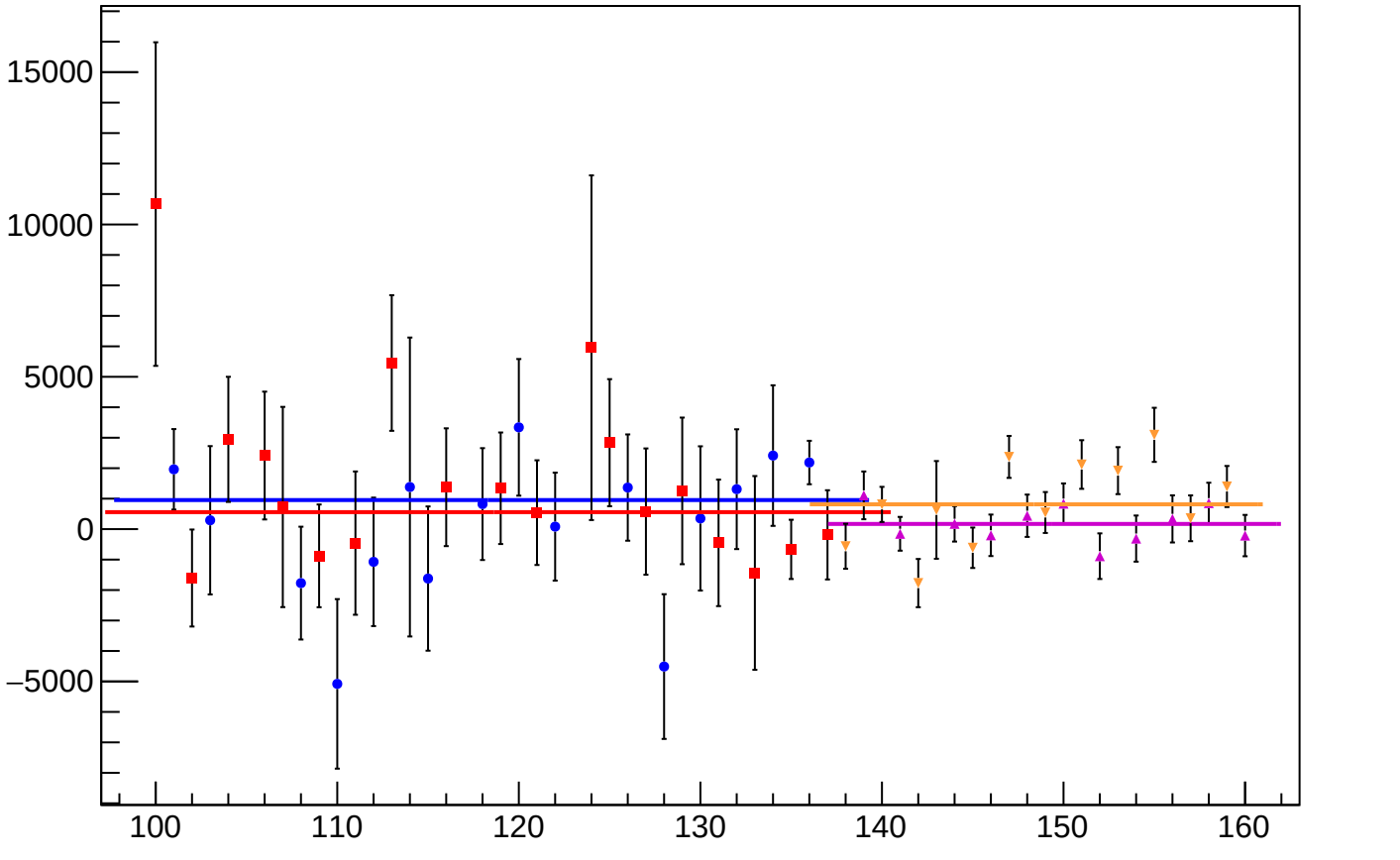
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

+ sign 1279.384+/-0.223 χ^2/NDF: 677993.5/27

All: 1274.922+/-0.157 χ^2/NDF: 1024809.1/57

- 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: 814.035+/-213.627 χ^2/NDF:36.5/11

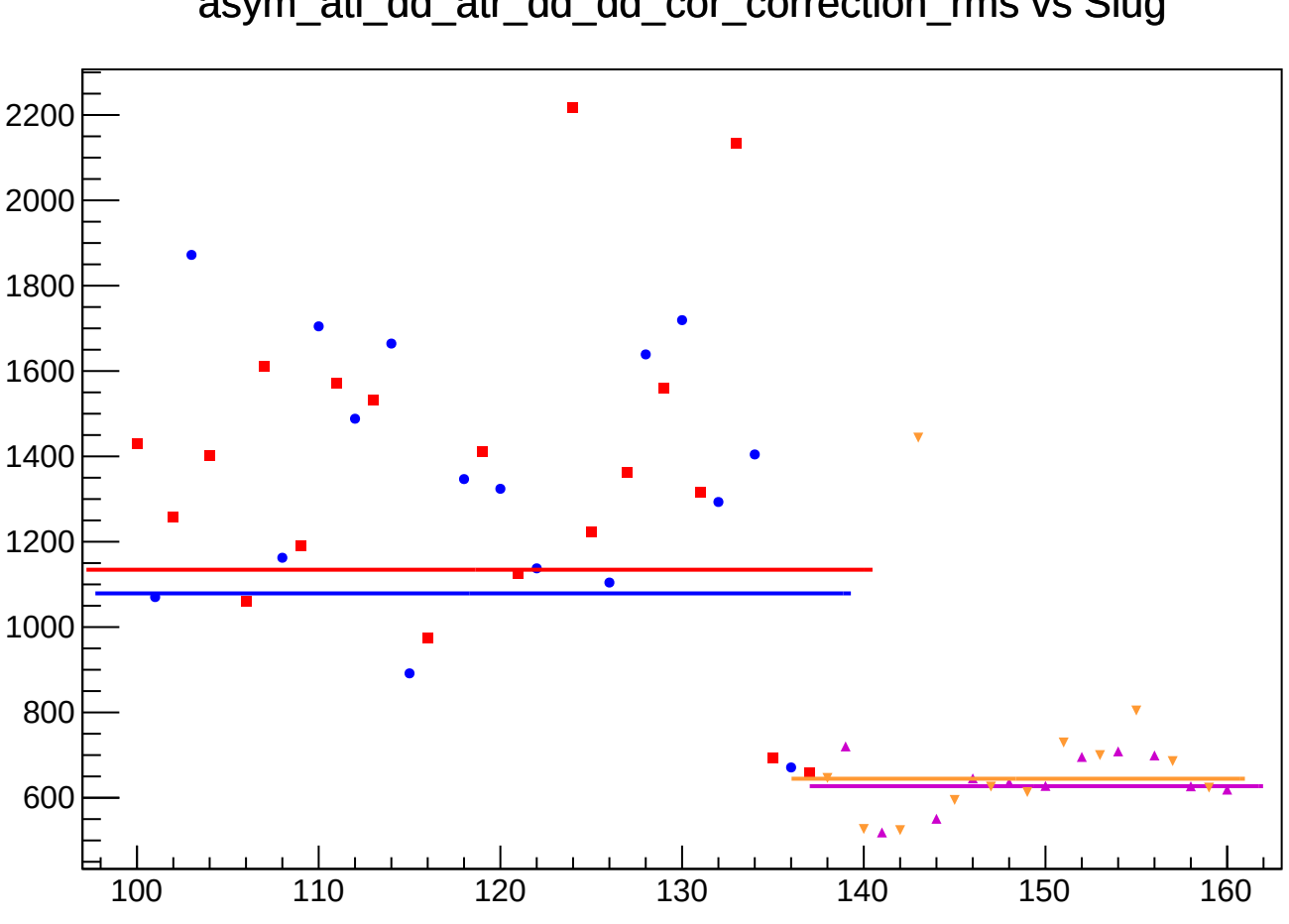
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 170.370+/-204.393 χ^2/NDF:7.0/10

\+ sign 842.225+/-190.931 χ^2/NDF: 56.4/27

All: 531.772+/-133.019 χ^2/NDF: 87.6/57

\- 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: 644.657+/-0.151 χ^2/NDF:749543.4/11

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

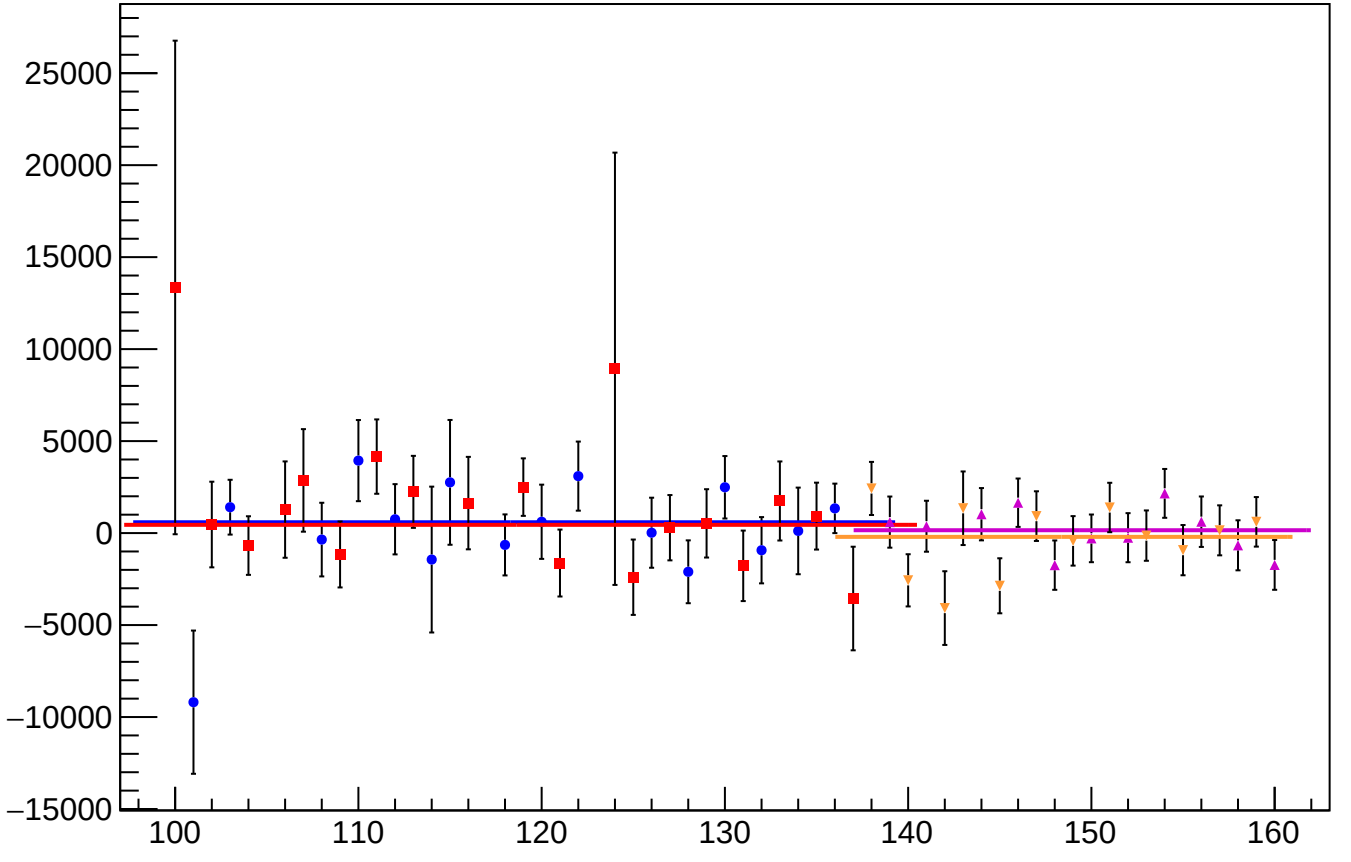
Left In: 627.147+/-0.145 χ^2/NDF:198335.7/10

\+ sign 732.032+/-0.135 χ^2/NDF: 3891184.7/27

All: 724.260+/-0.094 χ^2/NDF: 7565245.6/57

\- 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: -206.332+/-417.342 χ^2/NDF:16.5/11

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

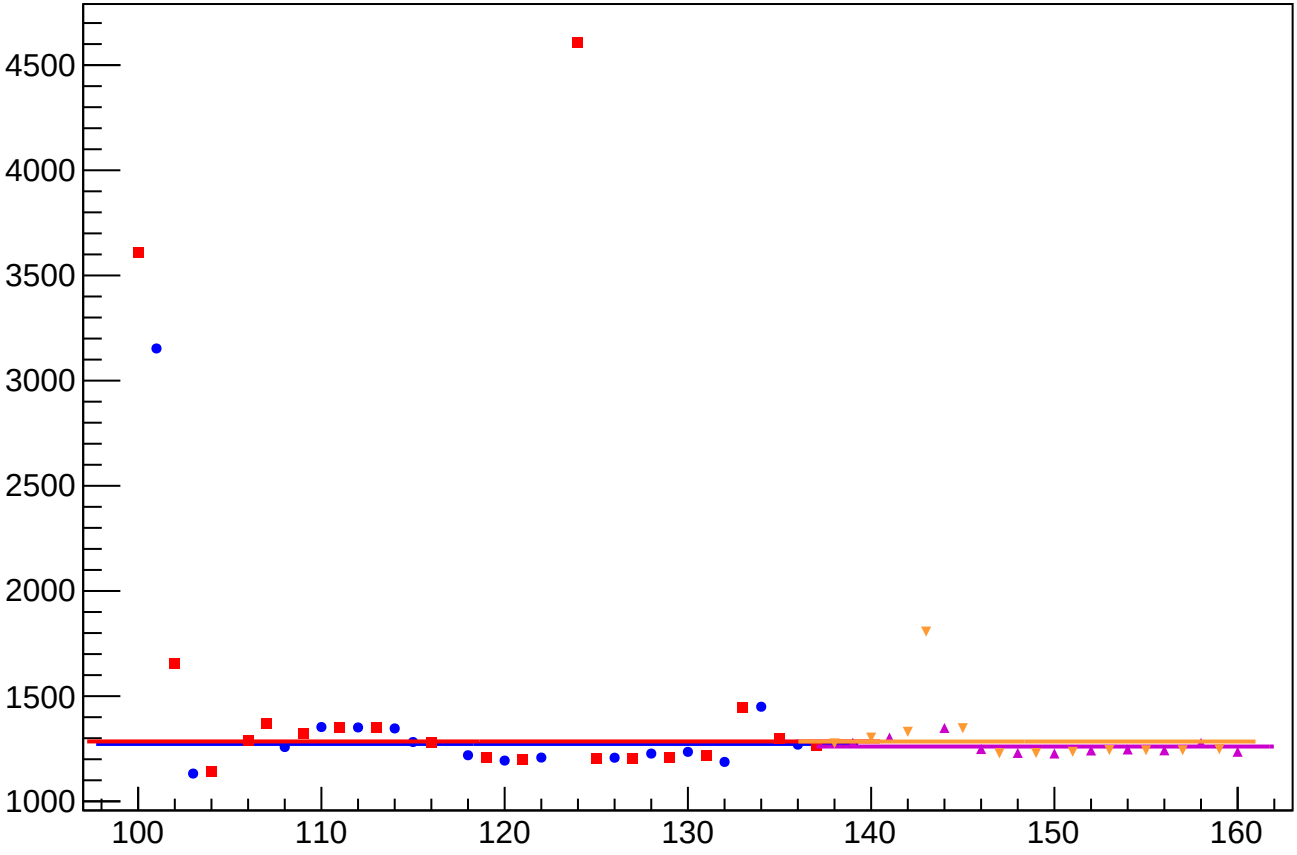
Left In: 155.064+/-407.833 χ^2/NDF:8.7/10

\+ sign 133.351+/-315.629 χ^2/NDF: 35.1/27

All: 206.531+/-221.586 χ^2/NDF: 60.9/57

\- 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: 1284.308+/-0.295 χ^2/NDF:158043.4/11

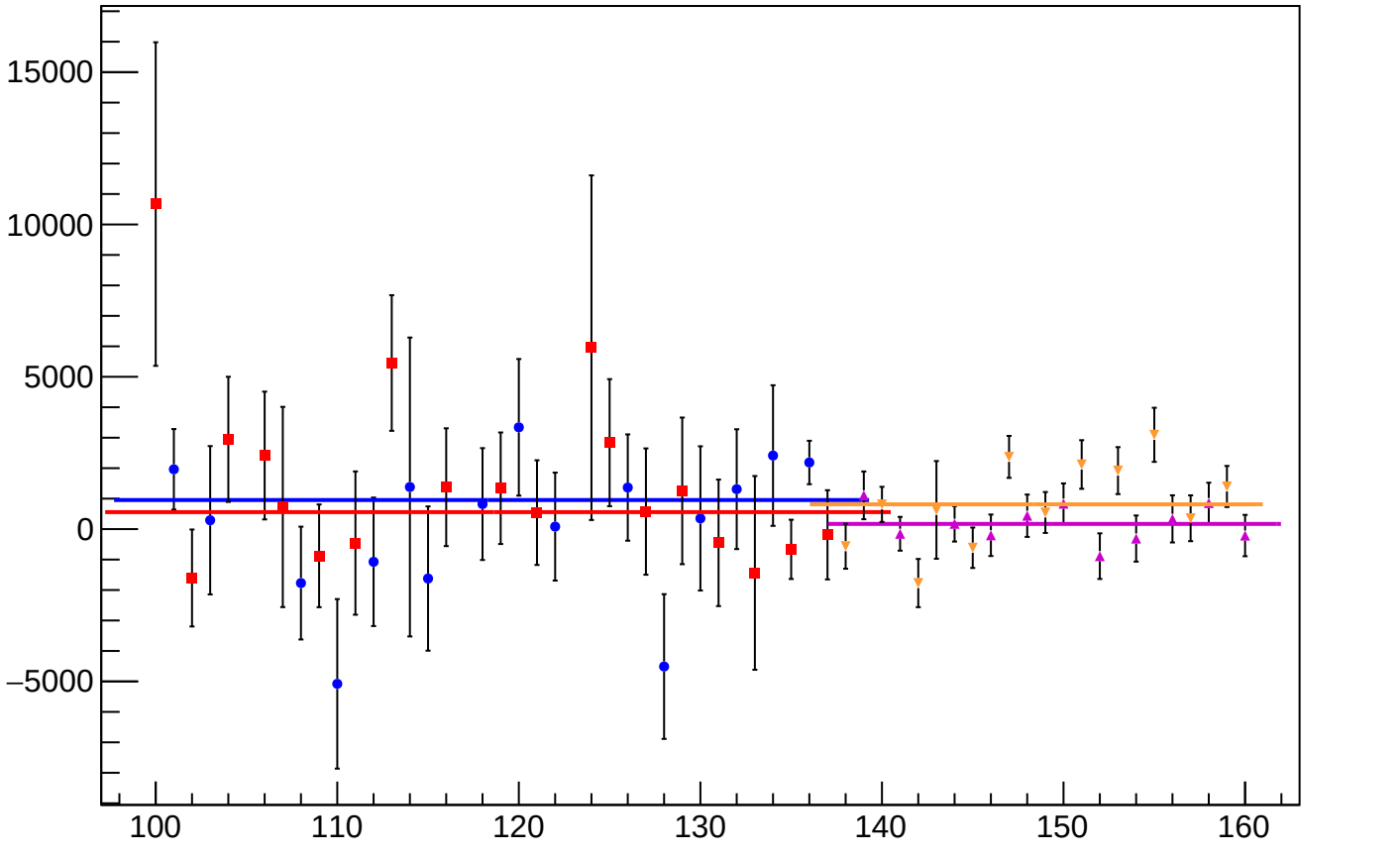
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

+ sign 1279.384+/-0.223 χ^2/NDF: 677993.5/27

All: 1274.922+/-0.157 χ^2/NDF: 1024809.1/57

- 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: 814.035+/-213.627 χ^2/NDF:36.5/11

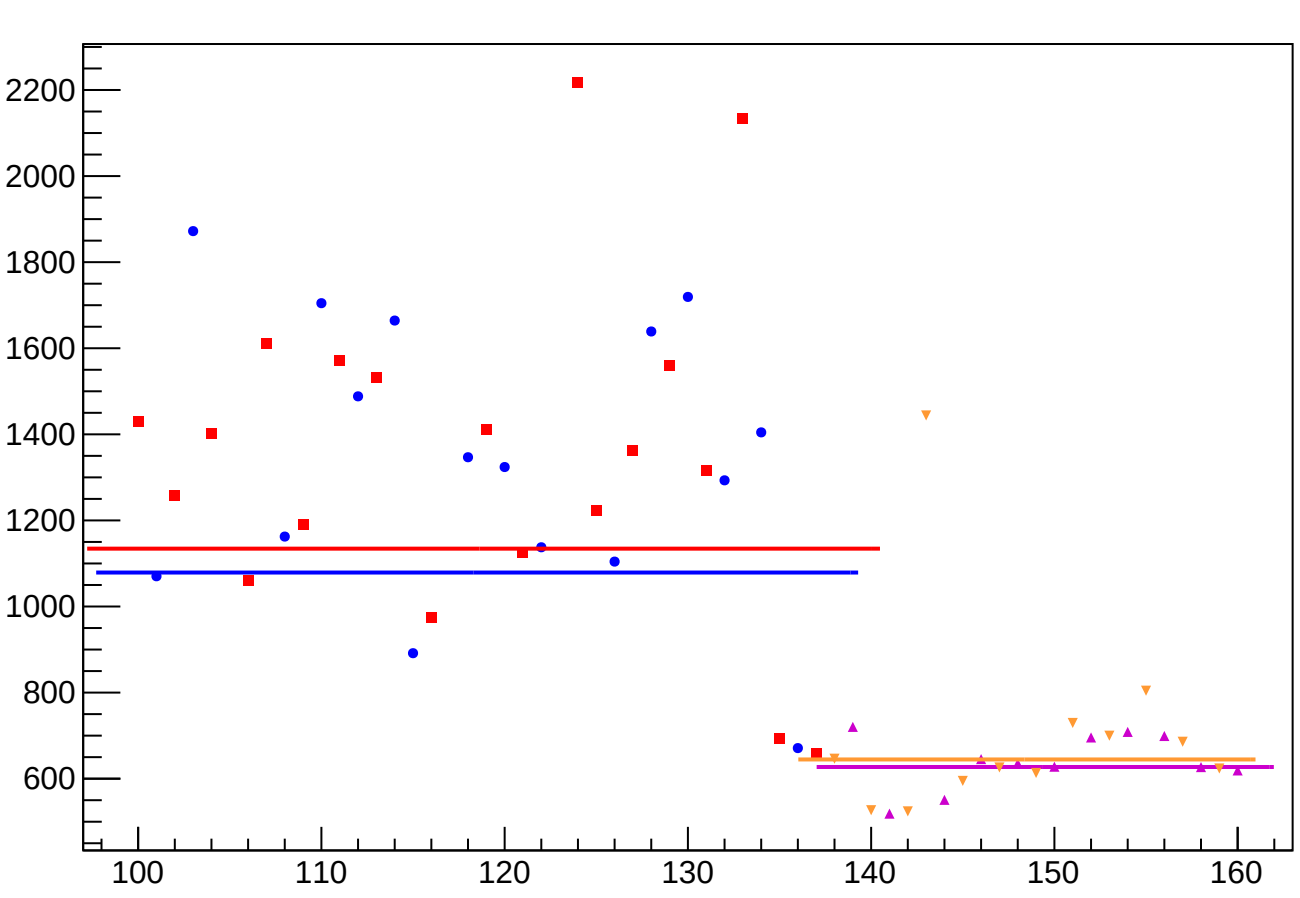
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 170.370+/-204.393 χ^2/NDF:7.0/10

\+ sign 842.225+/-190.931 χ^2/NDF: 56.4/27

All: 531.772+/-133.019 χ^2/NDF: 87.6/57

\- 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: 644.657+/-0.151 χ^2/NDF:749543.4/11

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

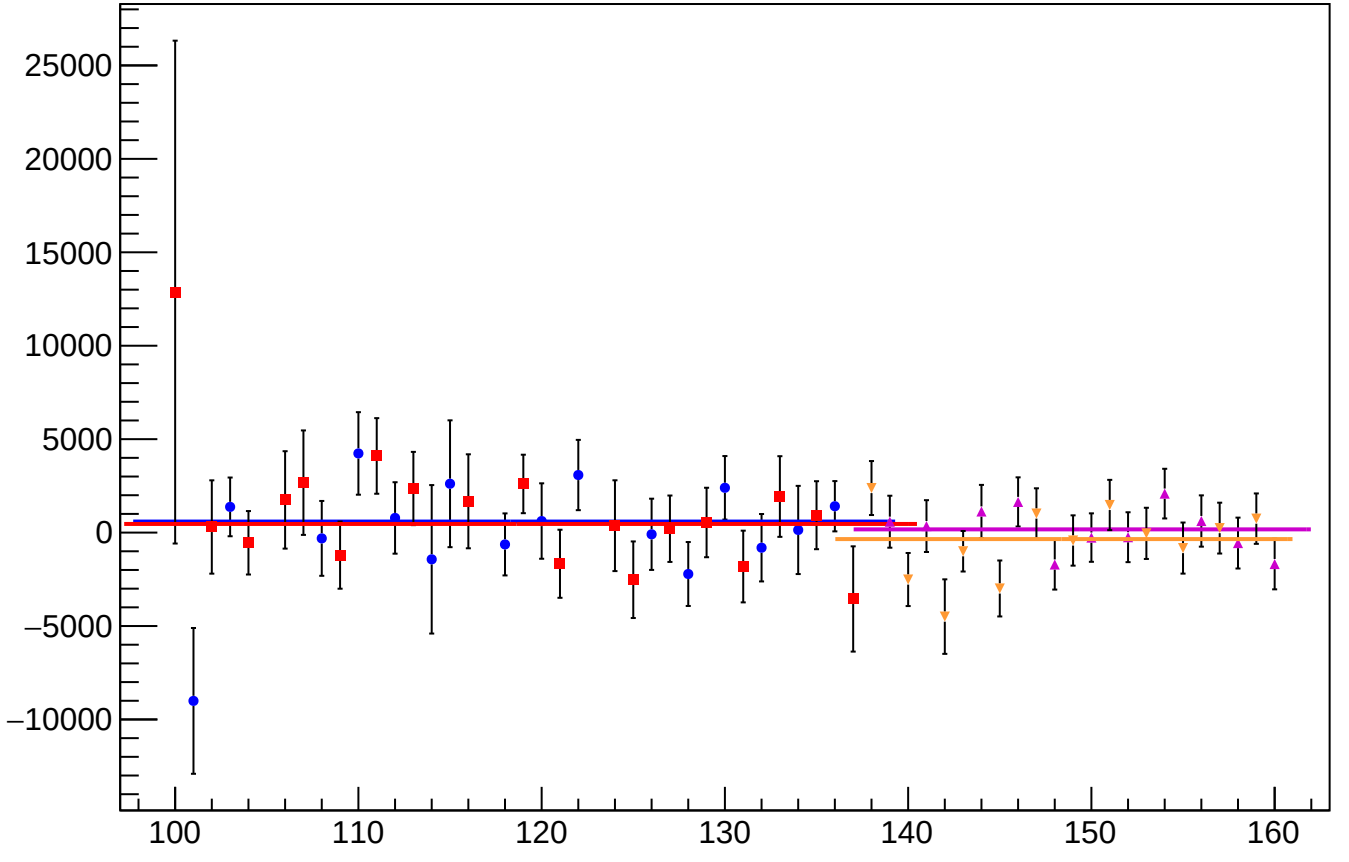
Left In: 627.147+/-0.145 χ^2/NDF:198335.7/10

\+ sign 732.032+/-0.135 χ^2/NDF: 3891184.7/27

All: 724.260+/-0.094 χ^2/NDF: 7565245.6/57

\- 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: -347.269+/-397.285 χ^2/NDF:17.6/11

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

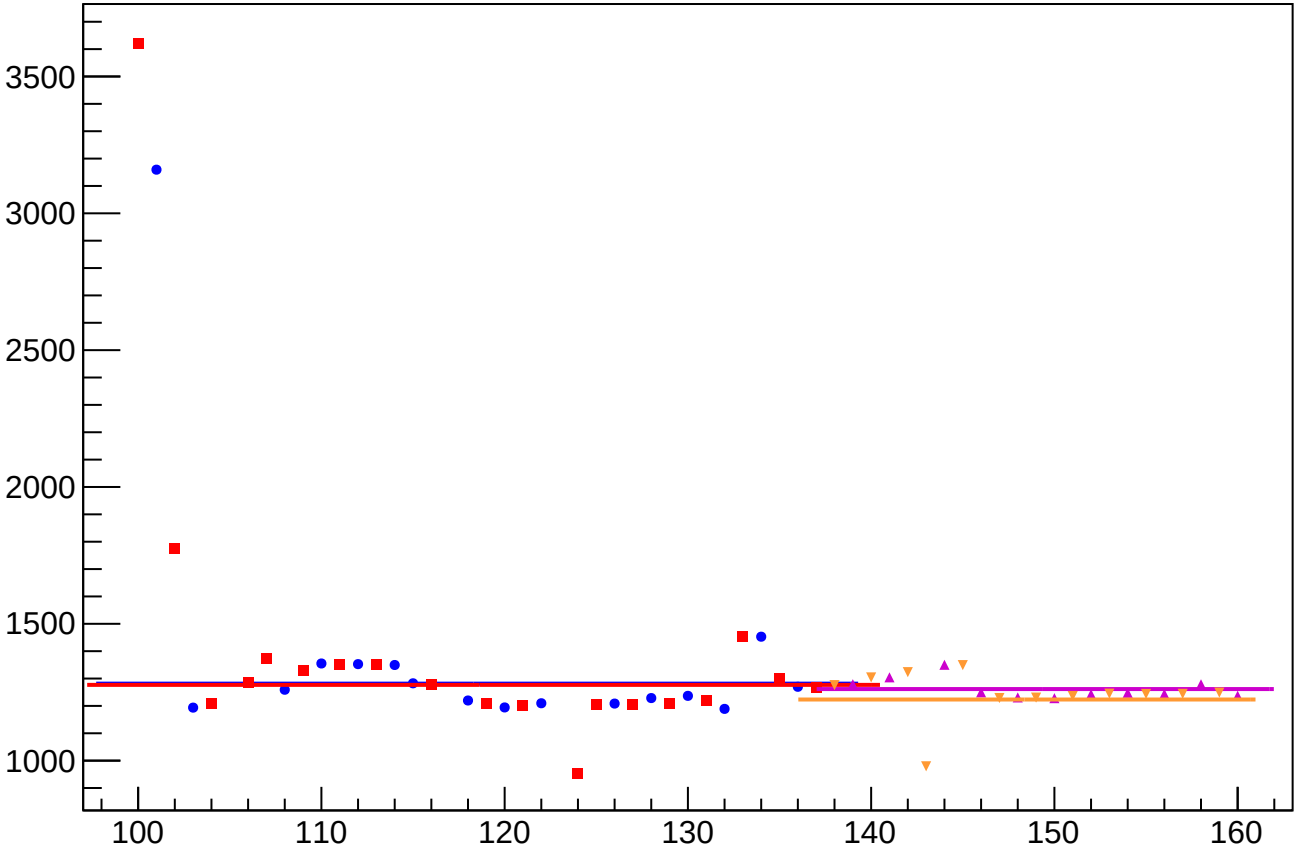
Left In: 172.339+/-408.184 χ^2/NDF:8.3/10

+ sign 28.778+/-307.459 χ^2/NDF: 36.9/27

All: 160.812+/-218.326 χ^2/NDF: 62.5/57

- 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: 1223.370+/-0.281 χ^2/NDF:132023.3/11

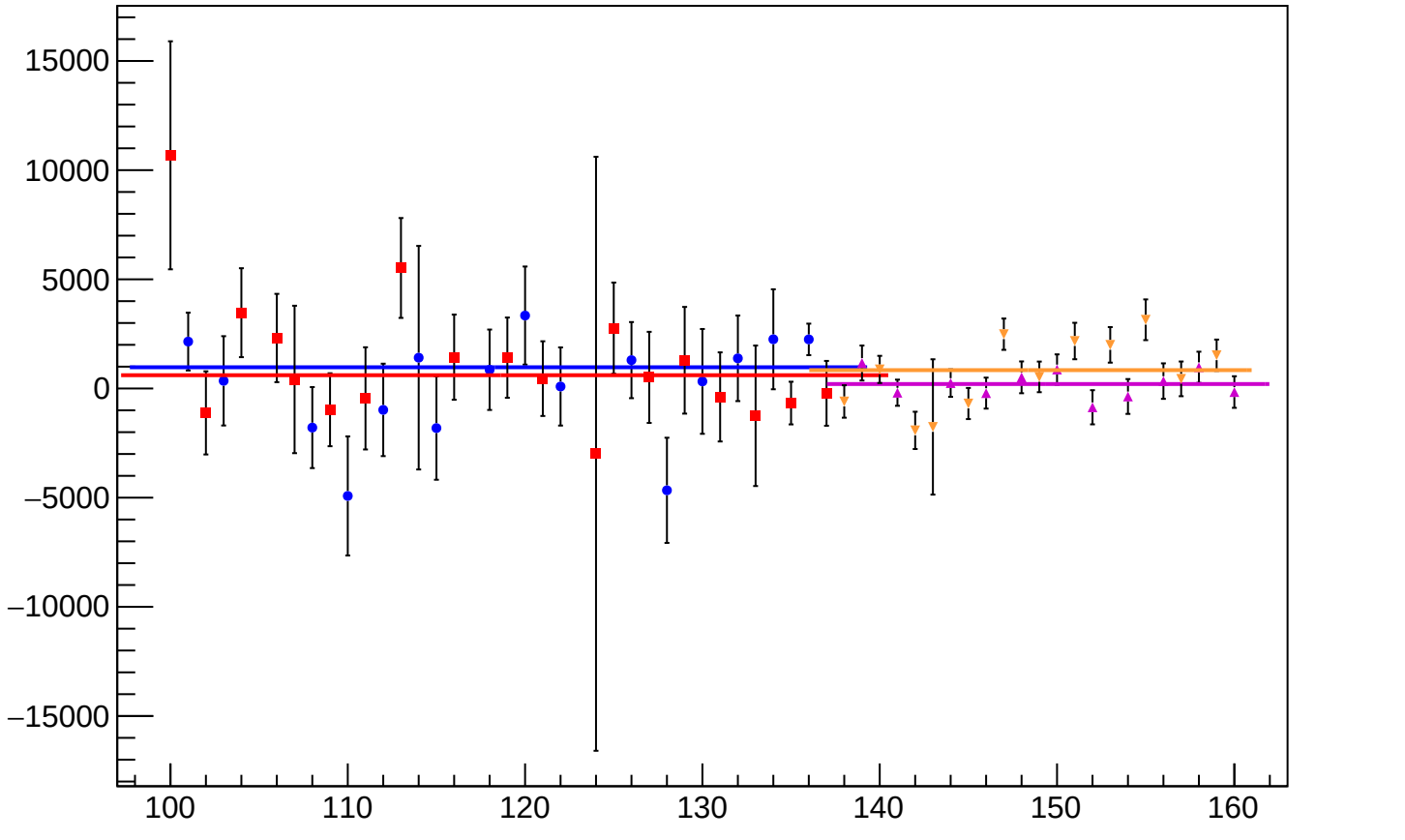
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1261.566+/-0.289 χ^2/NDF:14458.7/10

+ sign 1246.632+/-0.217 χ^2/NDF: 656197.7/27

All: 1257.242+/-0.154 χ^2/NDF: 897162.1/57

- 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: 840.509+/-226.776 χ^2/NDF:36.8/11

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

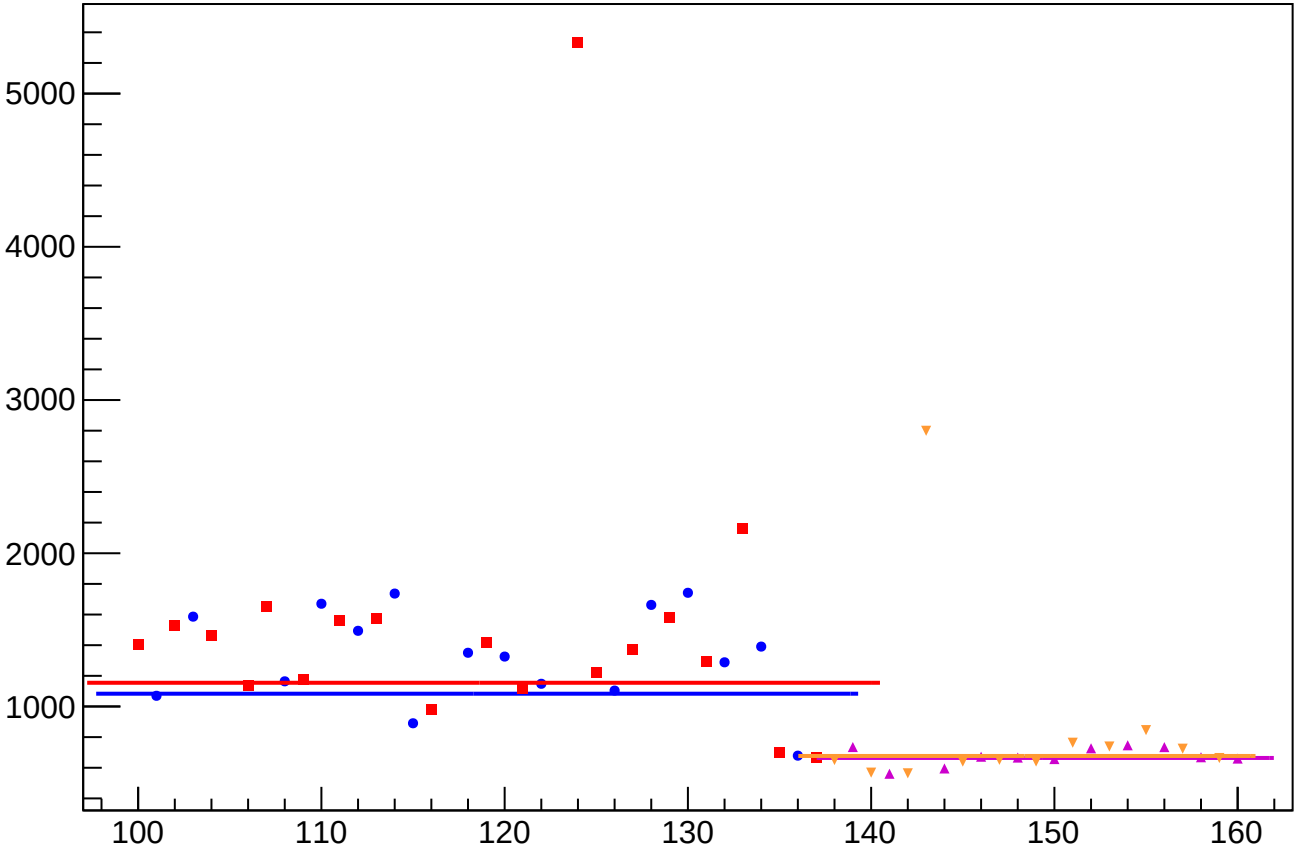
Left In: 204.796+/-216.071 χ^2/NDF:7.1/10

+ sign 869.690+/-200.098 χ^2/NDF: 57.3/27

All: 567.162+/-139.505 χ^2/NDF: 86.7/57

- 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: 677.014+/-0.160 χ^2/NDF:1156302.0/11

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

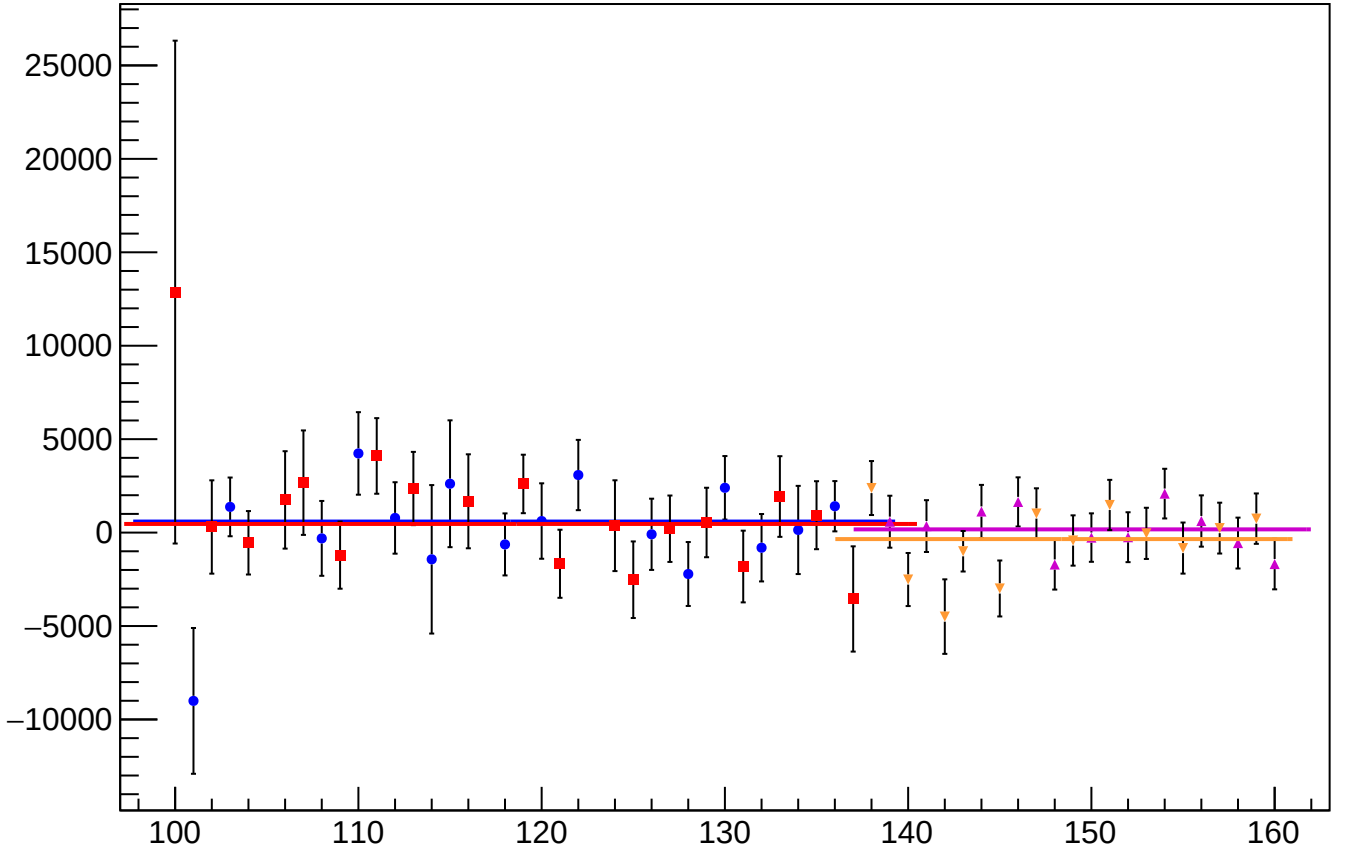
Left In: 664.022+/-0.153 χ^2/NDF:149027.4/10

+ sign 766.991+/-0.141 χ^2/NDF: 3938238.7/27

All: 761.709+/-0.099 χ^2/NDF: 7526786.6/57

- sign 756.715+/-0.138 χ^2/NDF: 3585837.1/29

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -347.270+/-397.285 χ^2/NDF:17.6/11

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

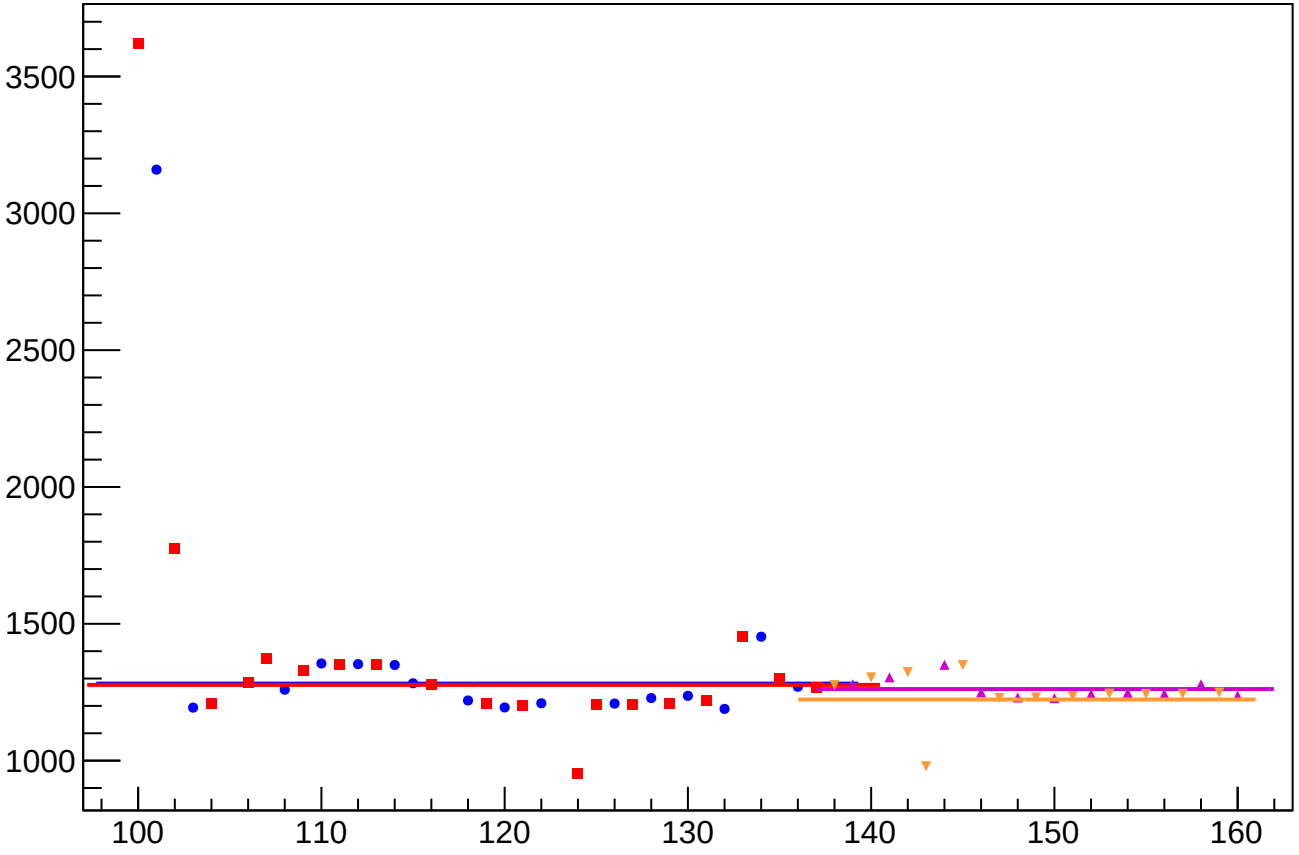
Left In: 172.339+/-408.184 χ^2/NDF:8.3/10

\+ sign 28.778+/-307.459 χ^2/NDF: 36.9/27

All: 160.812+/-218.326 χ^2/NDF: 62.5/57

\- 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: 1223.370+/-0.281 χ^2/NDF:132022.6/11

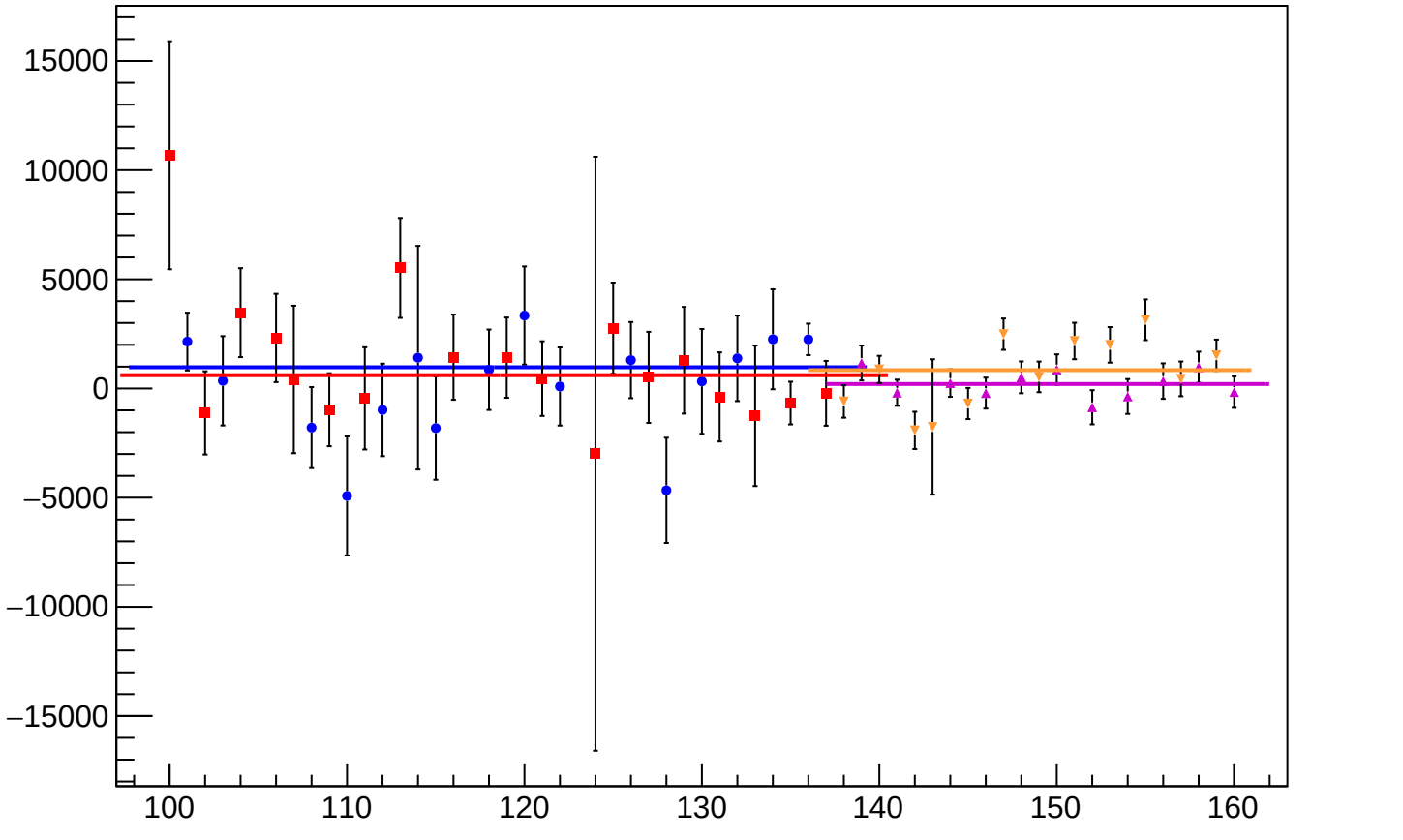
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1261.566+/-0.289 χ^2/NDF:14458.7/10

+ sign 1246.632+/-0.217 χ^2/NDF: 656196.9/27

All: 1257.242+/-0.154 χ^2/NDF: 897161.2/57

- 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: 840.512+/-226.776 χ^2/NDF:36.8/11

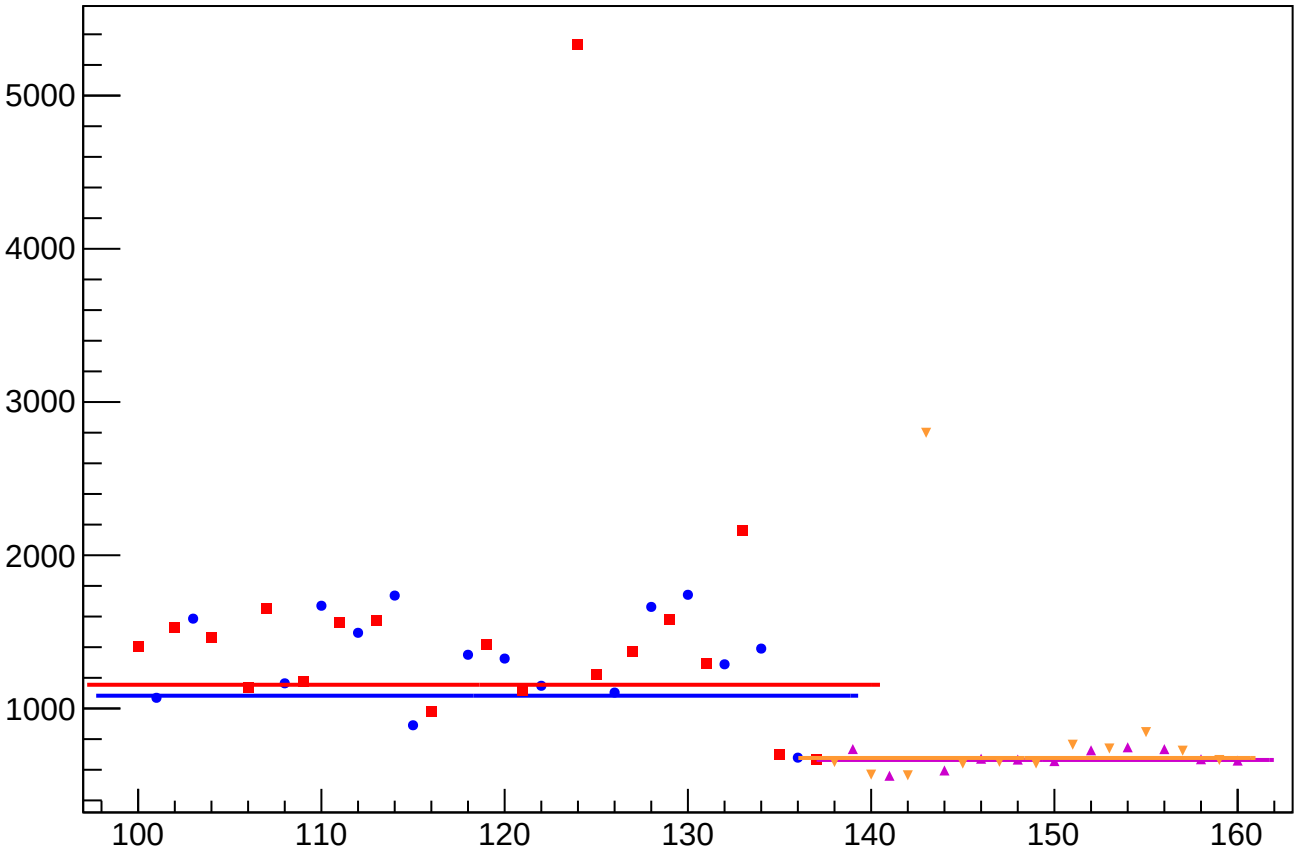
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 204.795+/-216.071 χ^2/NDF:7.1/10

+ sign 869.691+/-200.098 χ^2/NDF: 57.3/27

All: 567.162+/-139.505 χ^2/NDF: 86.7/57

- 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: 677.016+/-0.160 χ^2/NDF:1156293.5/11

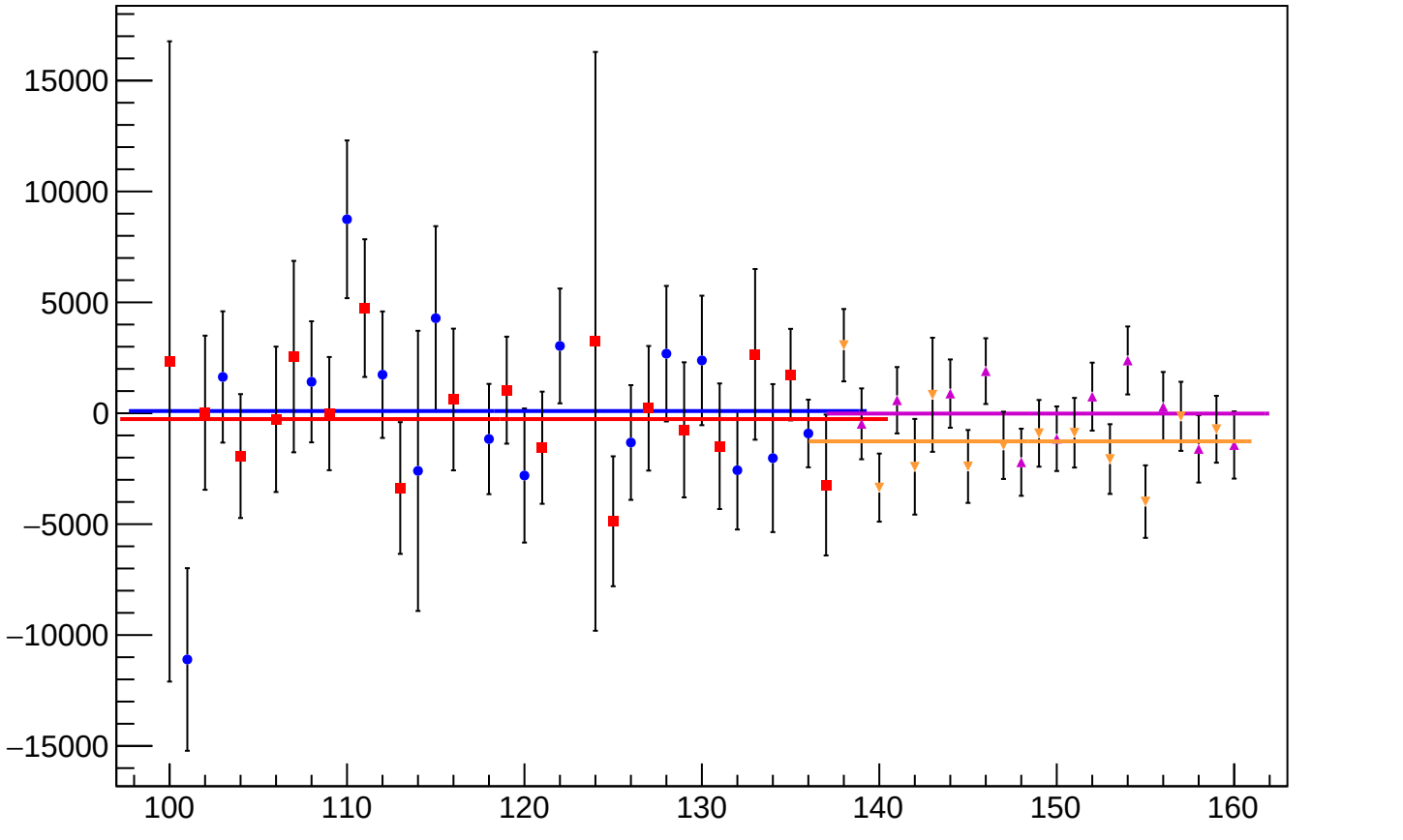
Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 664.022+/-0.153 χ^2/NDF:149029.5/10

+ sign 766.993+/-0.141 χ^2/NDF: 3938195.0/27

All: 761.711+/-0.099 χ^2/NDF: 7526733.7/57

- 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: -1266.381+/-474.074 χ^2/NDF:14.1/11

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

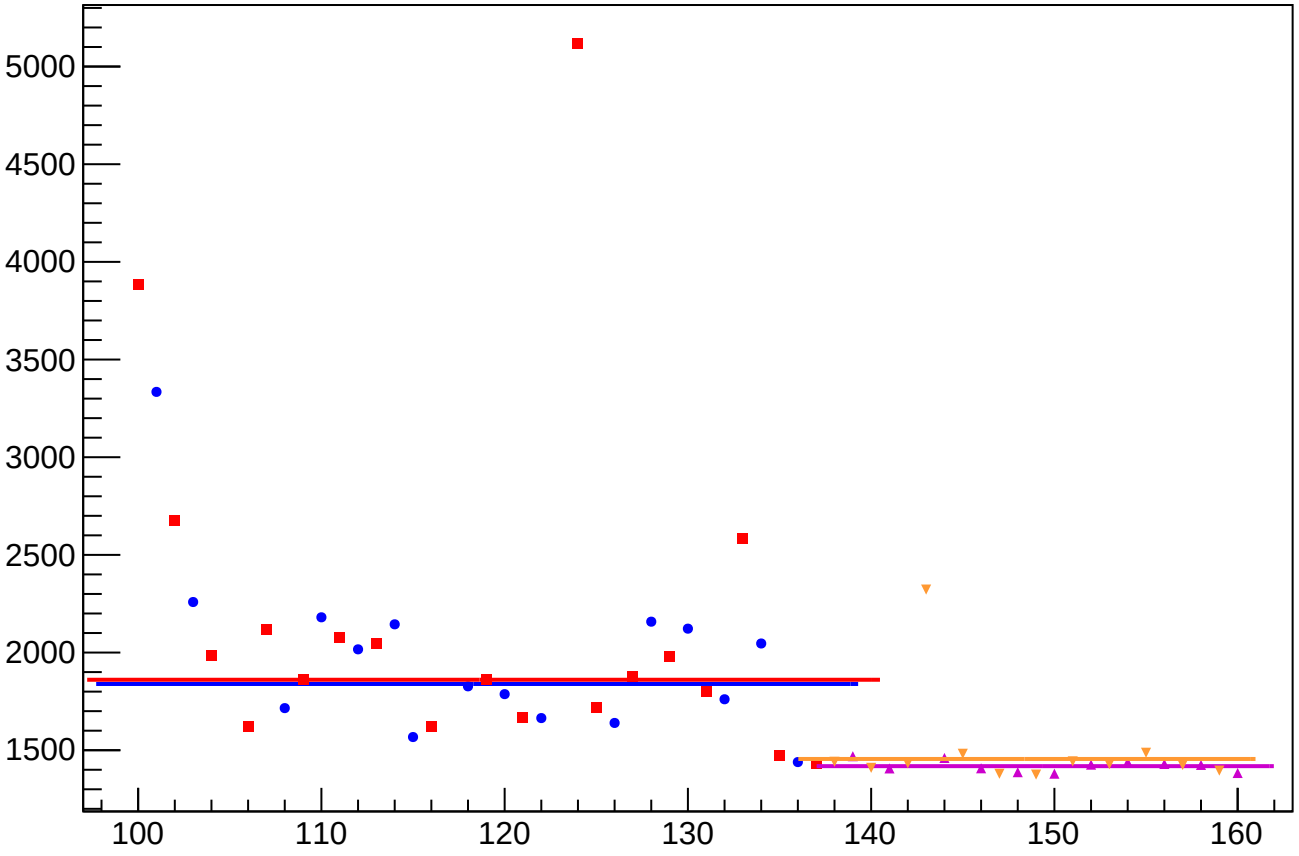
Left In: -14.145+/-458.917 χ^2/NDF:9.7/10

+ sign -835.735+/-392.346 χ^2/NDF: 38.0/27

All: -454.049+/-274.340 χ^2/NDF: 60.0/57

- 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: 1455.282+/-0.335 χ^2/NDF:246013.1/11

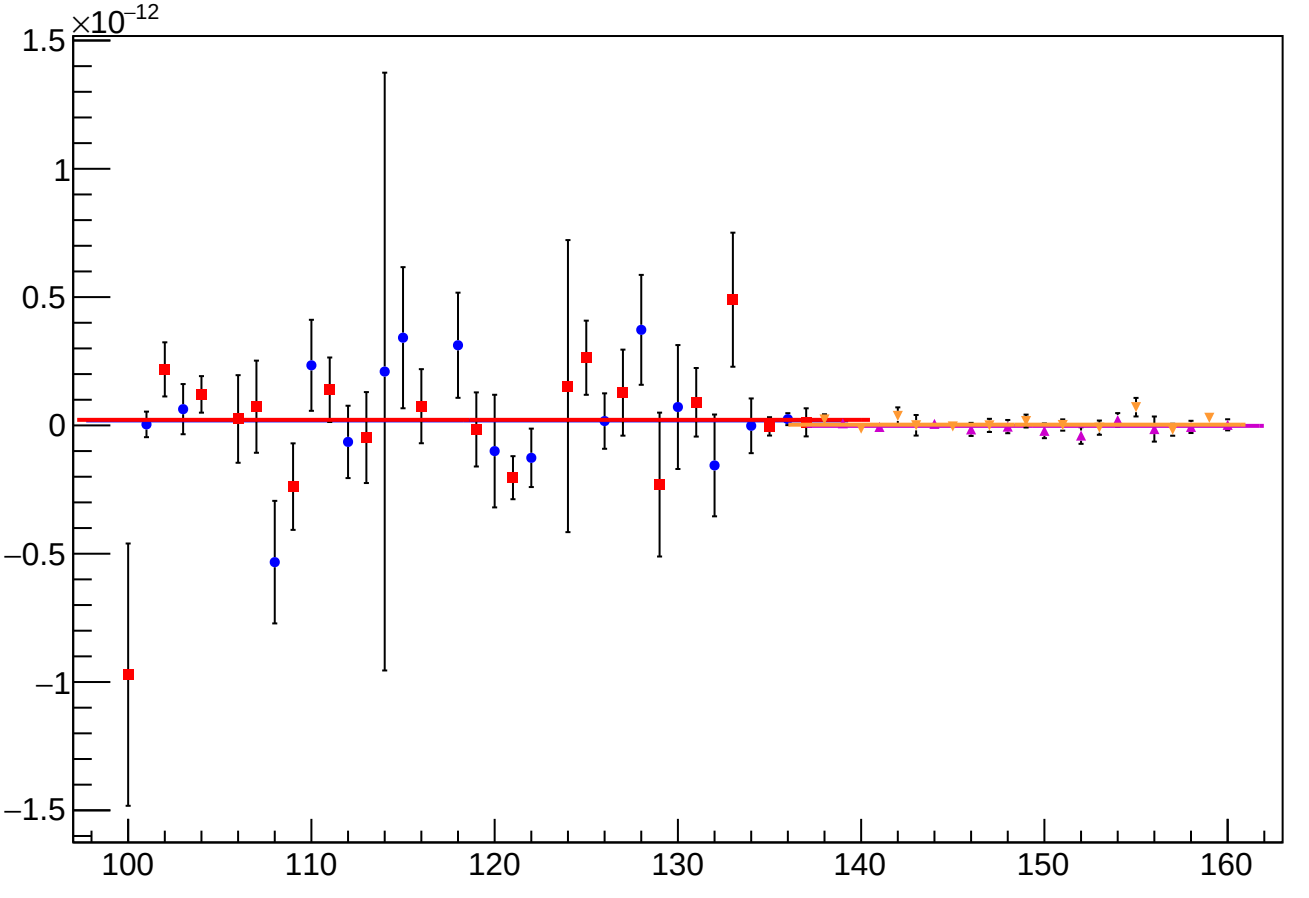
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1418.484+/-0.325 χ^2/NDF:7579.7/10

\+ sign 1576.216+/-0.277 χ^2/NDF: 1215810.1/27

All: 1563.588+/-0.194 χ^2/NDF: 2308256.2/57

\- 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:11.1/11

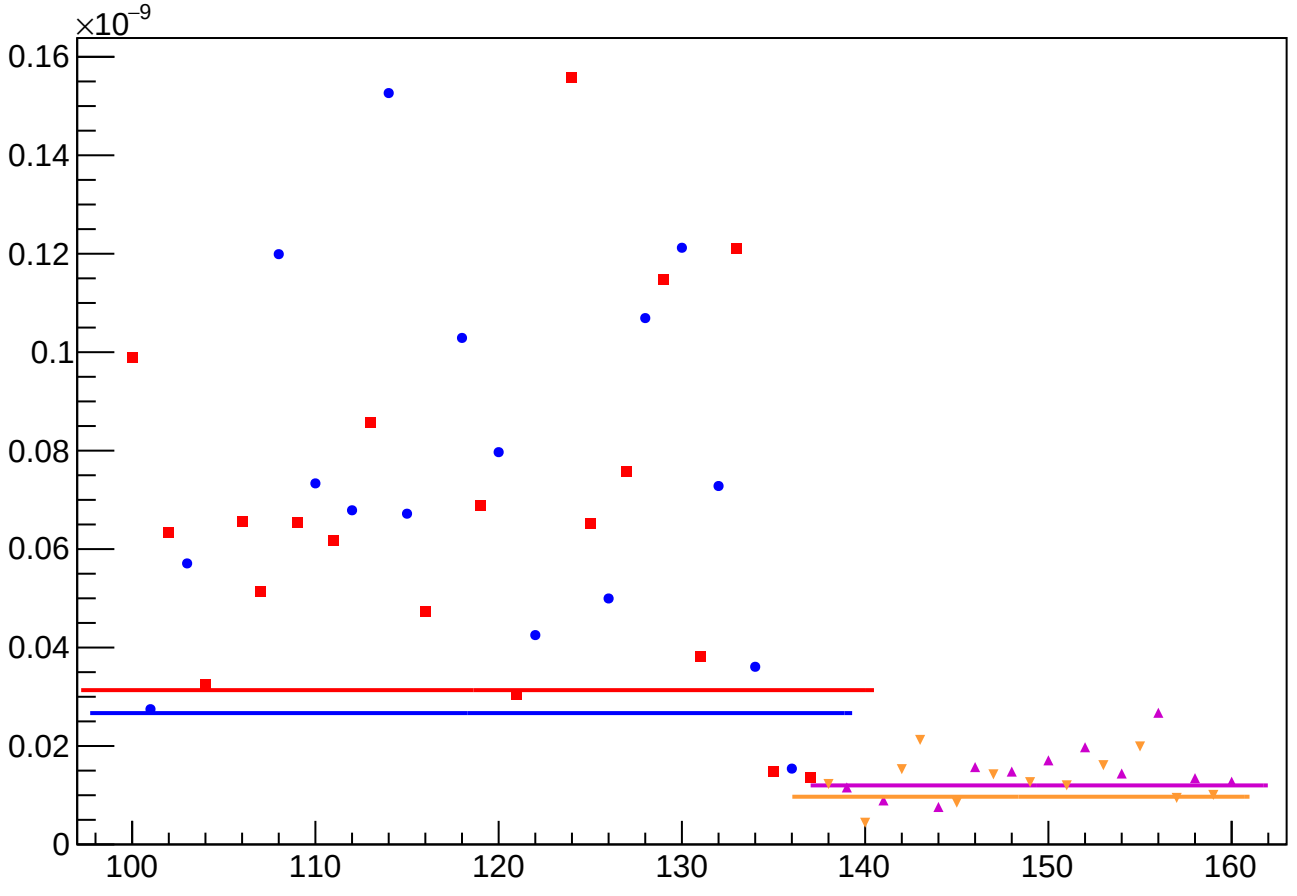
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 28.3/27

All: 0.000+/-0.000 χ^2/NDF: 61.4/57

- 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:1136859.2/11

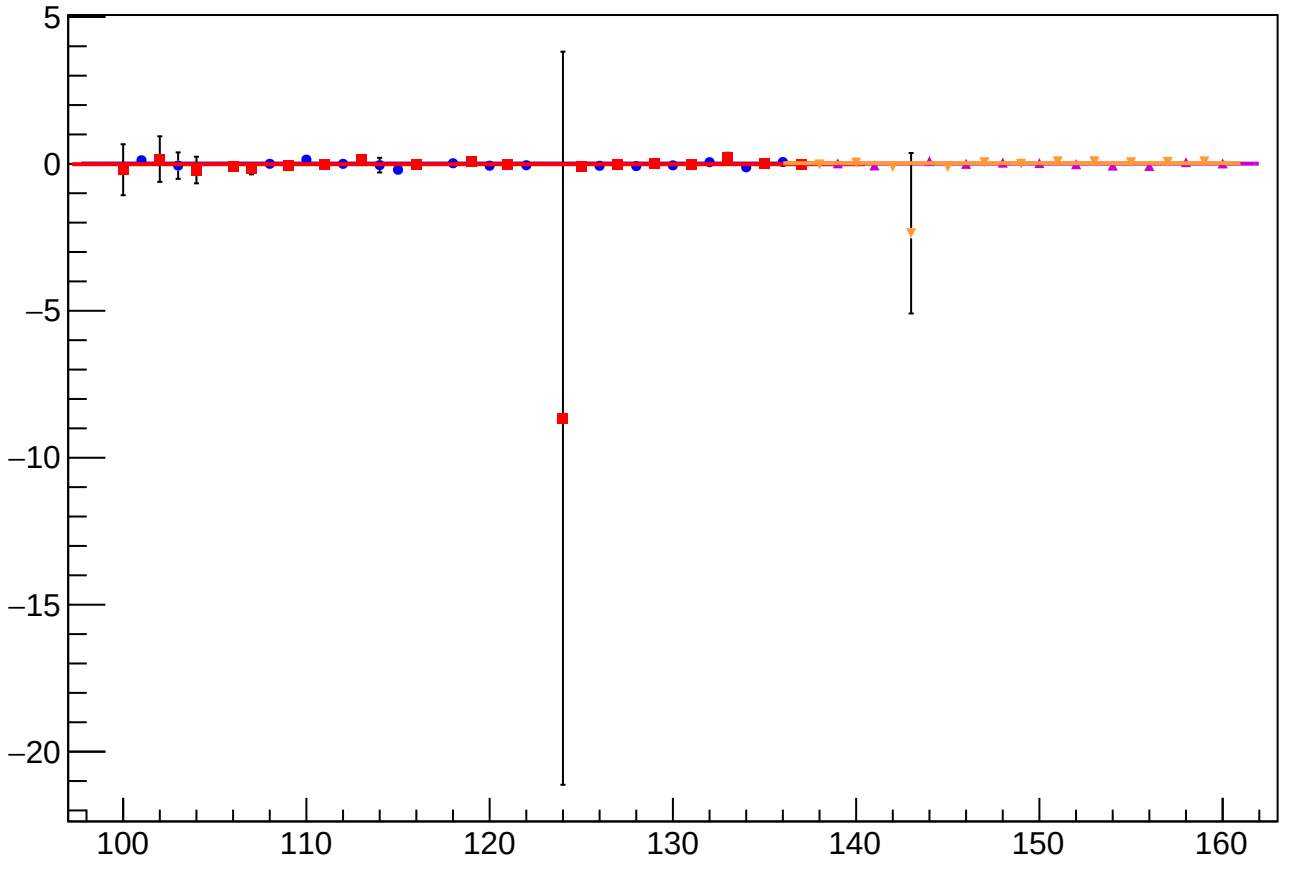
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:740193.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 5203739.5/27

All: 0.000+/-0.000 χ^2/NDF: 9757226.6/57

- 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: 0.023+/-0.014 χ^2/NDF:16.2/11

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

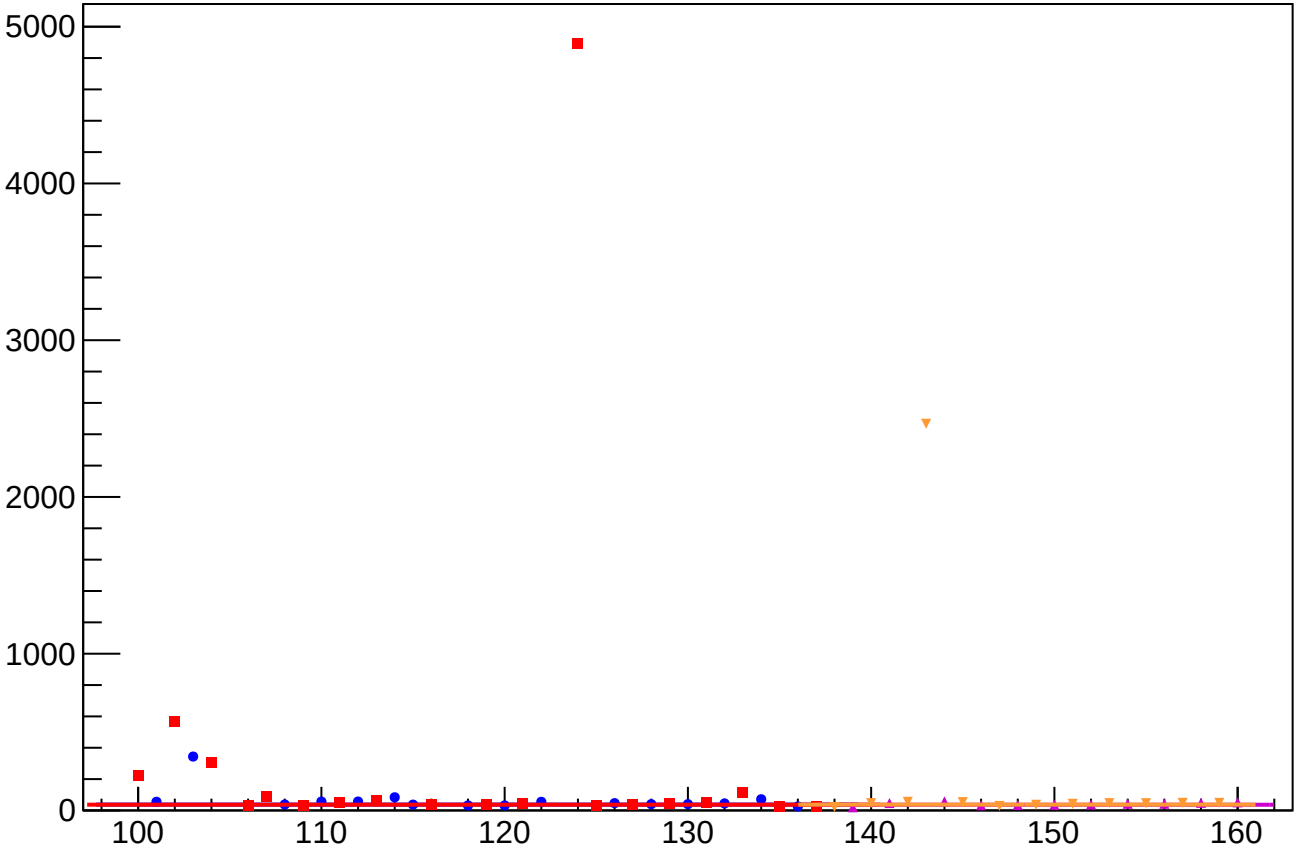
Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.017+/-0.010 χ^2/NDF: 35.9/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/57

- 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: 37.282+/-0.010 χ^2/NDF:2870632.2/11

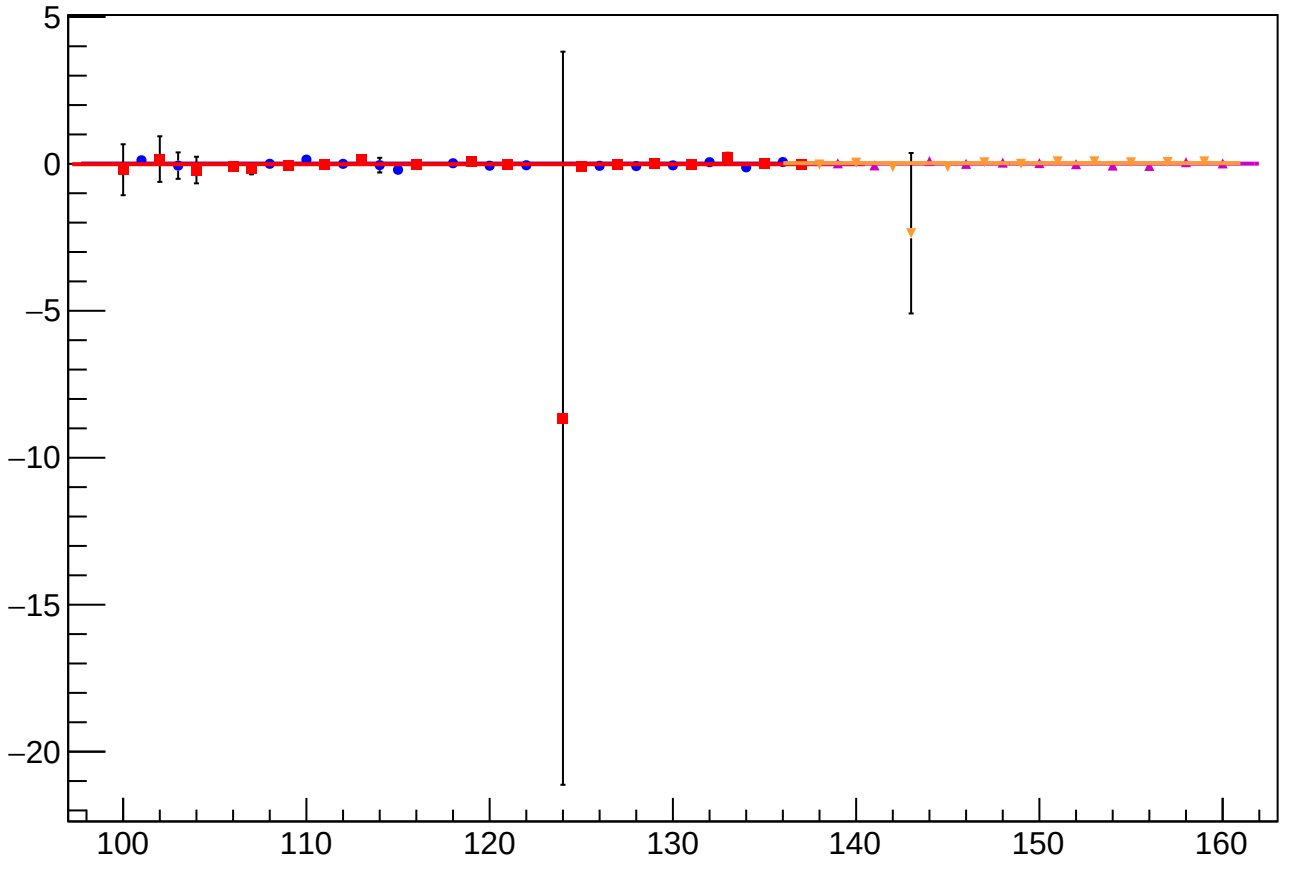
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.387+/-0.009 χ^2/NDF:1340802.6/10

\+ sign 37.372+/-0.007 χ^2/NDF: 4854108.6/27

All: 36.942+/-0.005 χ^2/NDF: 9392829.0/57

\- 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: 0.023+/-0.014 χ^2/NDF:16.2/11

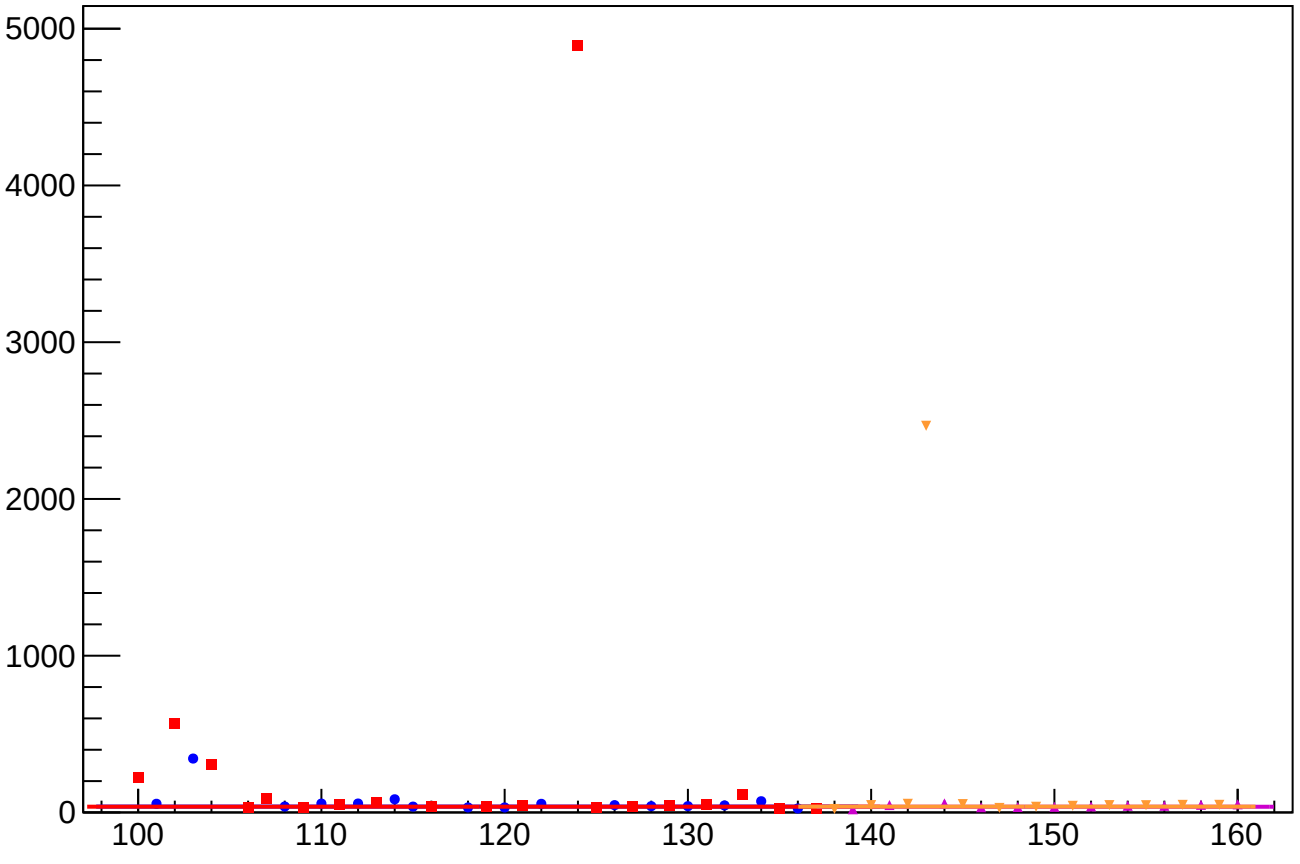
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.017+/-0.010 χ^2/NDF: 35.9/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/57

- 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: 37.282+/-0.010 χ^2/NDF:2870632.2/11

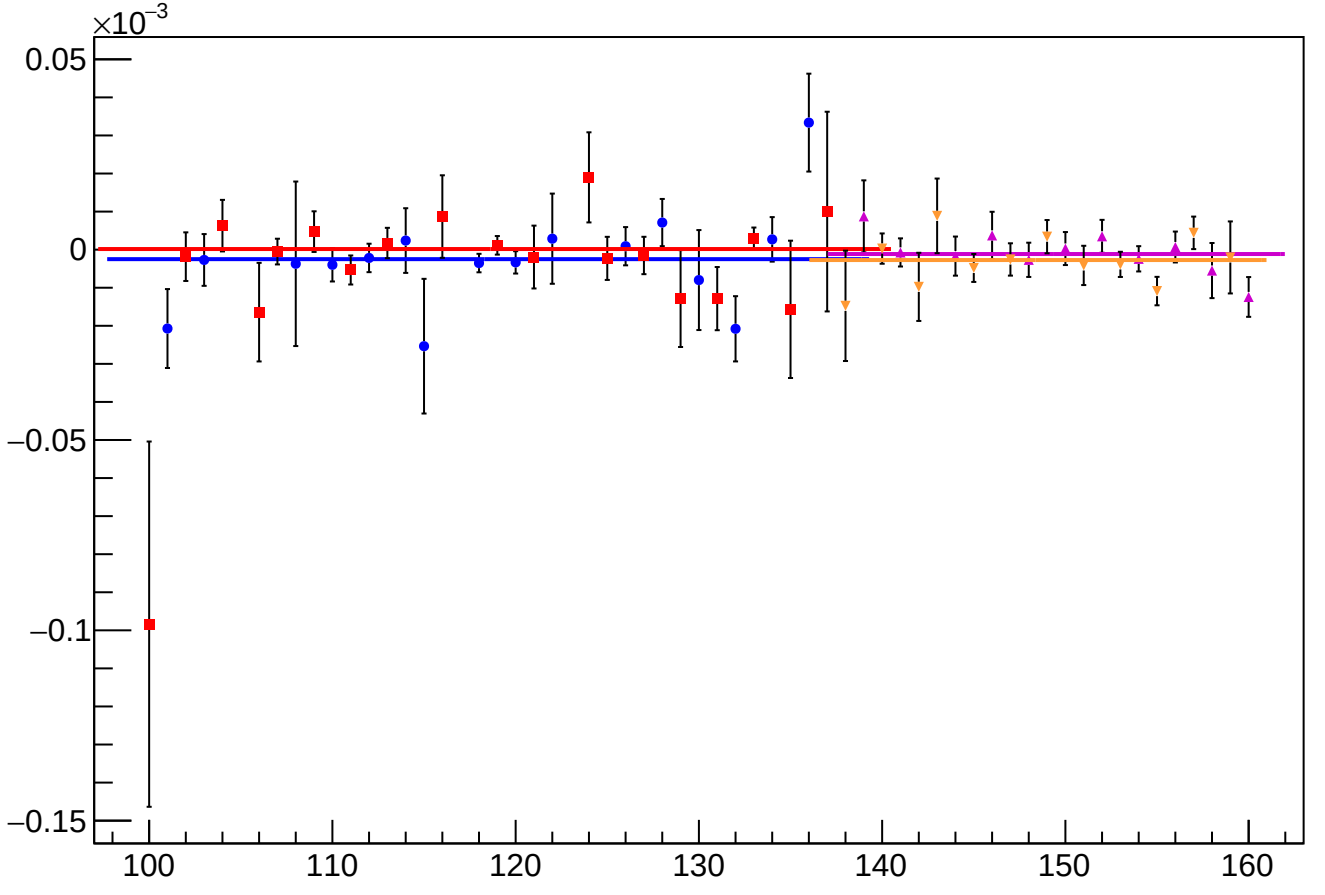
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.387+/-0.009 χ^2/NDF:1340802.6/10

+ sign 37.372+/-0.007 χ^2/NDF: 4854108.6/27

All: 36.942+/-0.005 χ^2/NDF: 9392829.0/57

- 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:13.3/11

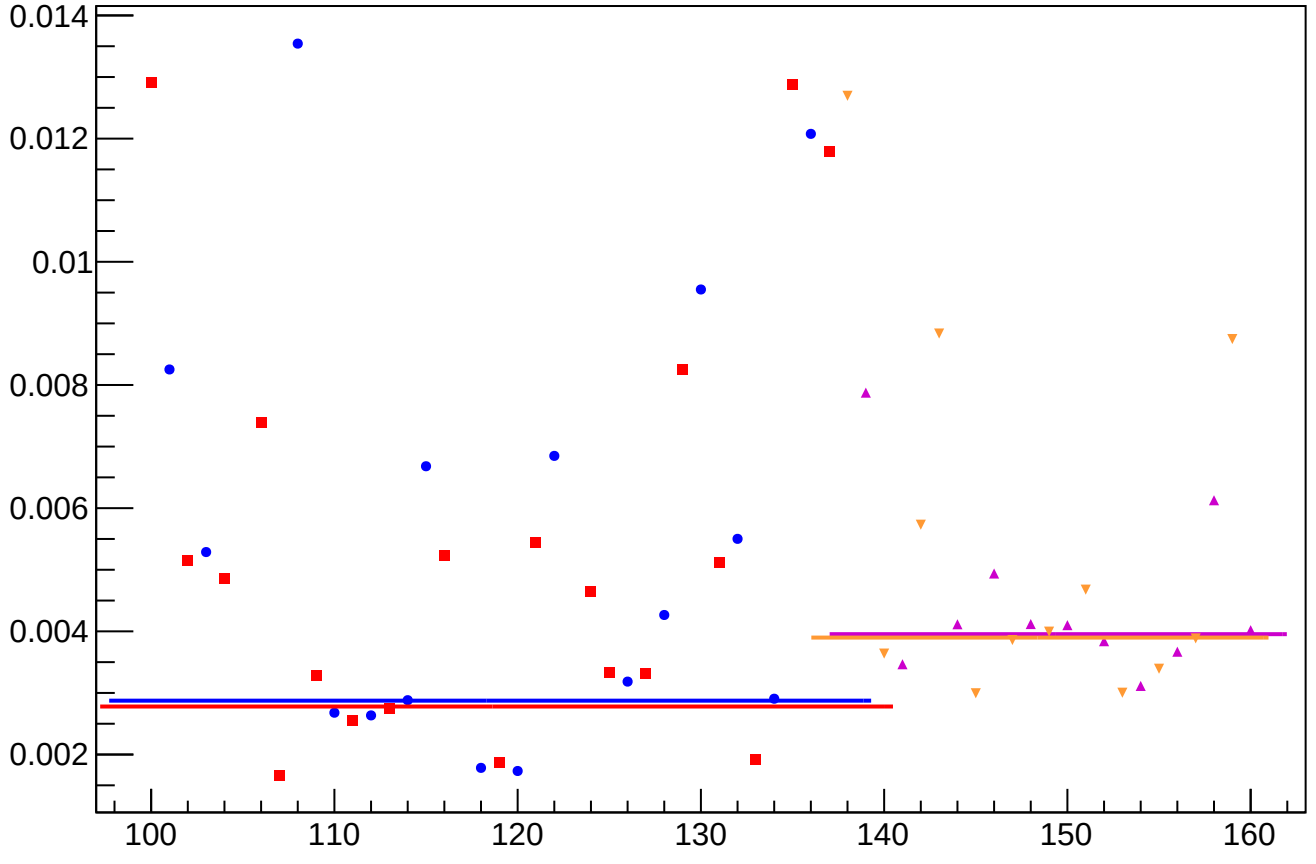
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/27

All: -0.000+/-0.000 χ^2/NDF: 66.0/57

- 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:2211952.3/11

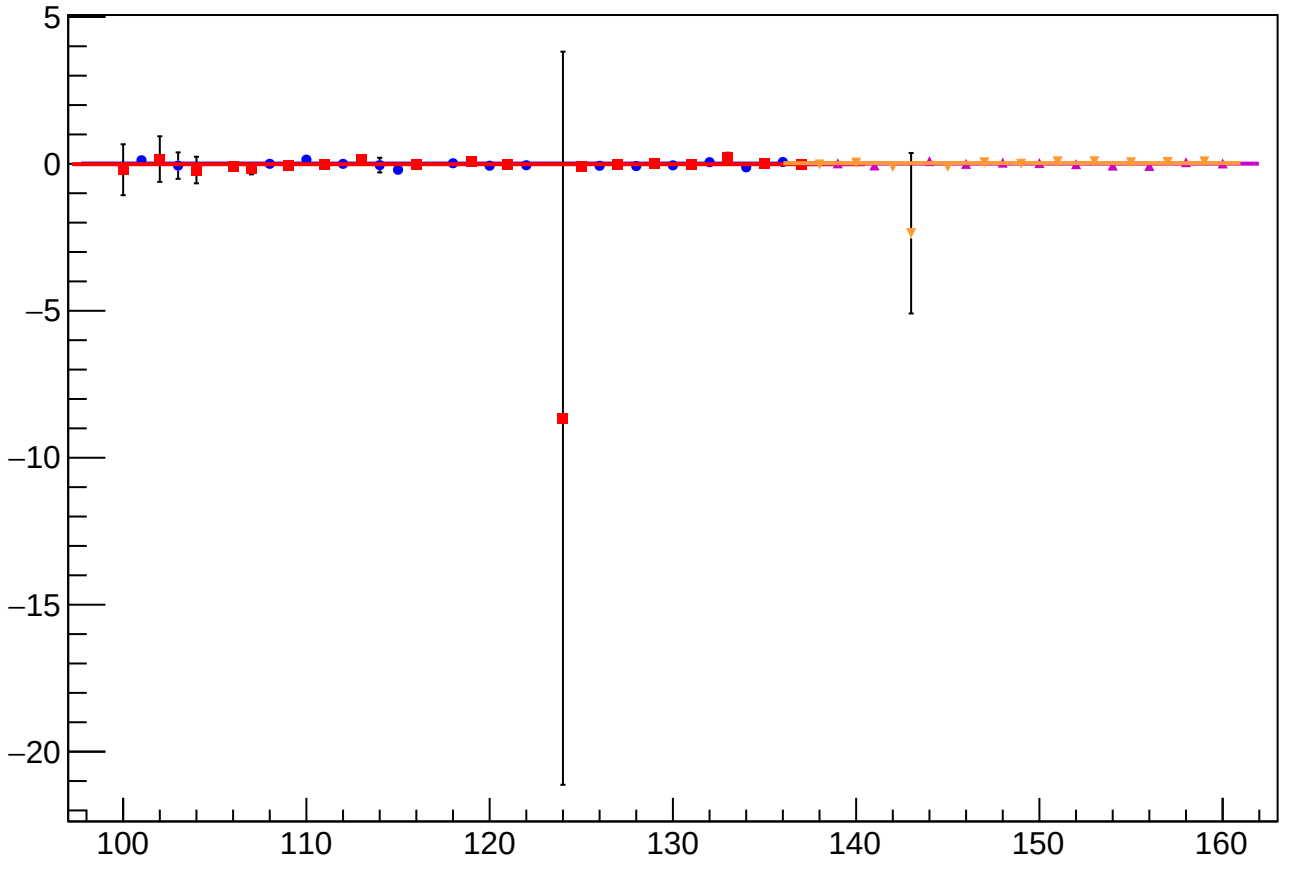
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:756069.8/10

+ sign 0.003+/-0.000 χ^2/NDF: 6953921.9/27

All: 0.003+/-0.000 χ^2/NDF: 11861383.2/57

- 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: 0.023+/-0.014 χ^2/NDF:16.2/11

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

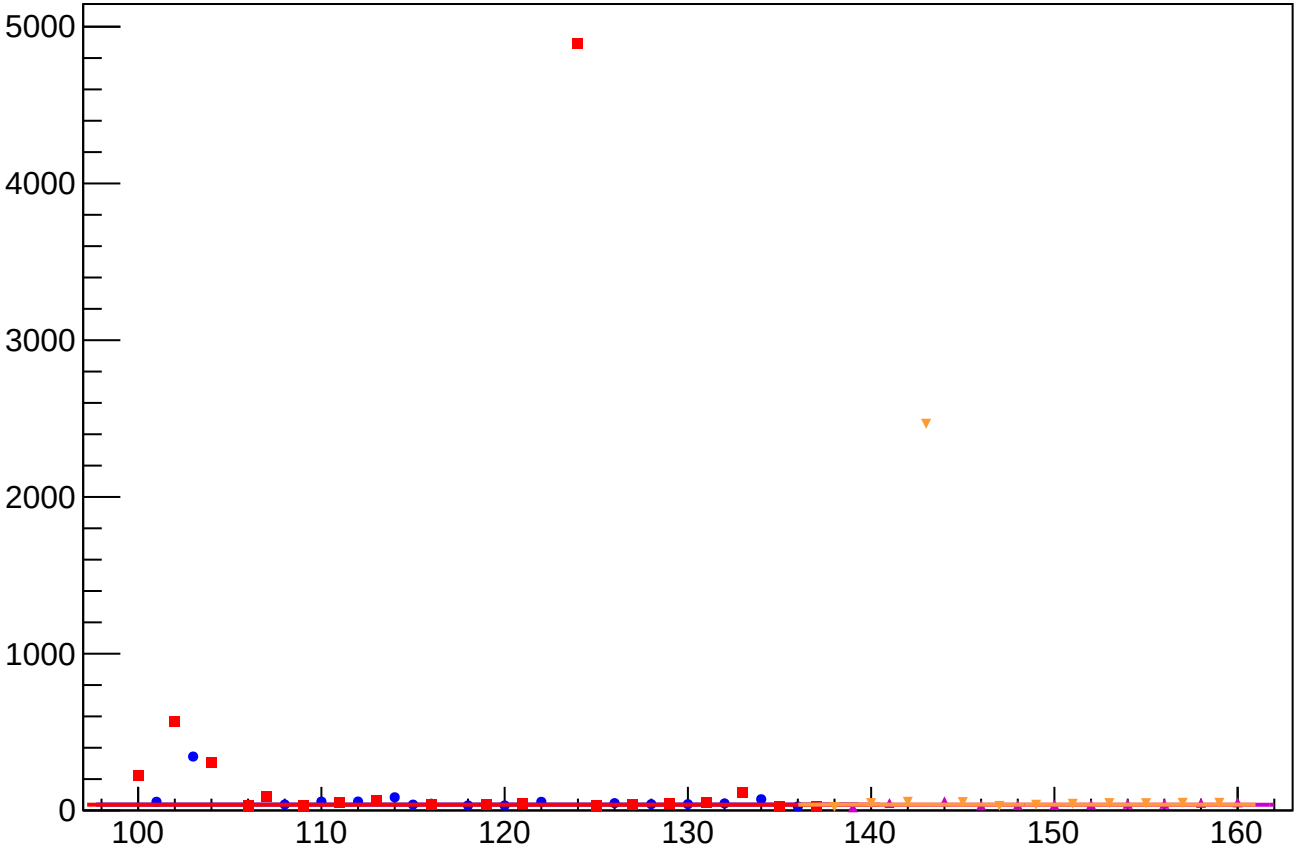
Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/57

- sign -0.001+/-0.010 χ^2/NDF: 23.0/29

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 37.279+/-0.010 χ^2/NDF:2871228.8/11

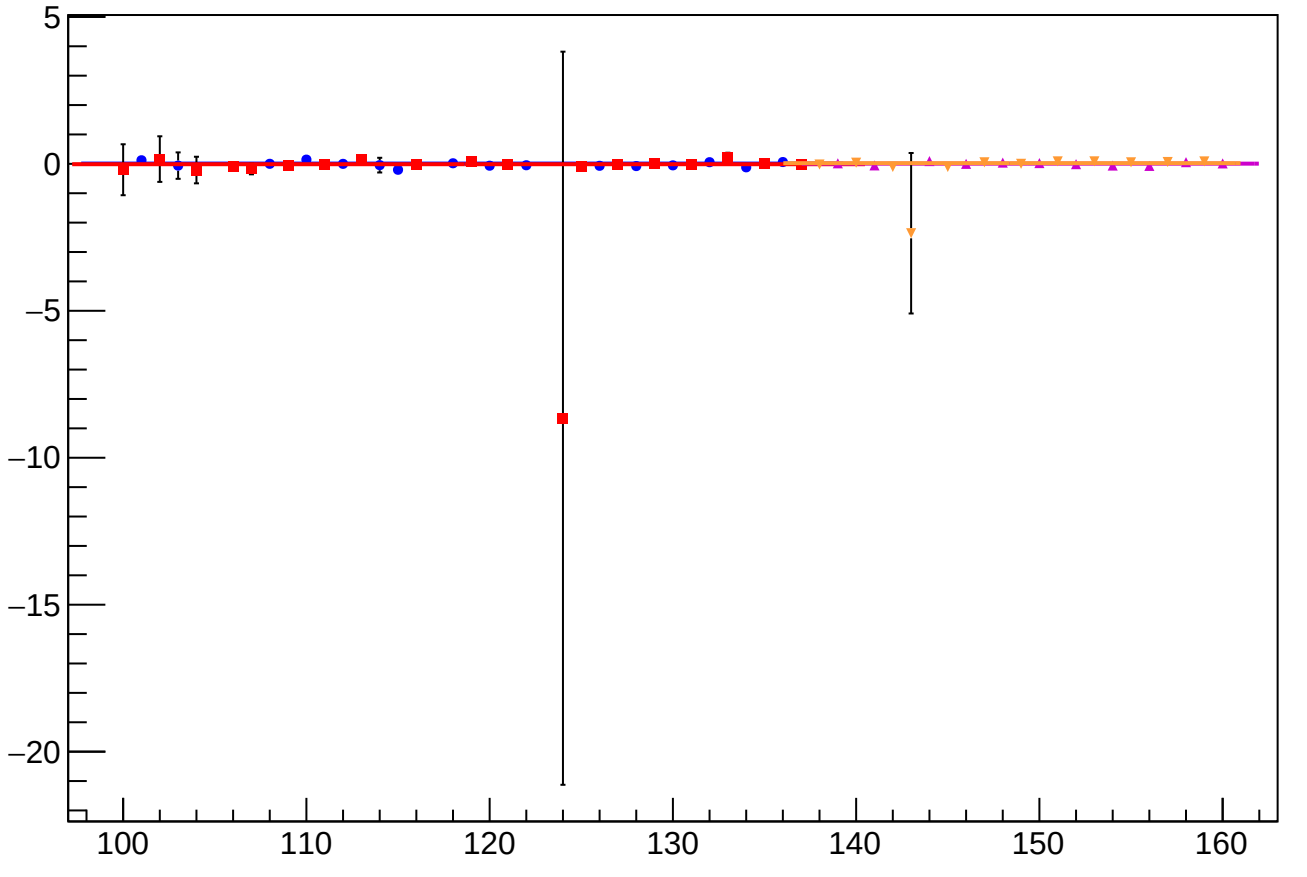
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.390+/-0.009 χ^2/NDF:1339766.7/10

+ sign 37.371+/-0.007 χ^2/NDF: 4854641.5/27

All: 36.943+/-0.005 χ^2/NDF: 9391960.2/57

- 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: 0.023+/-0.014 χ^2/NDF:16.2/11

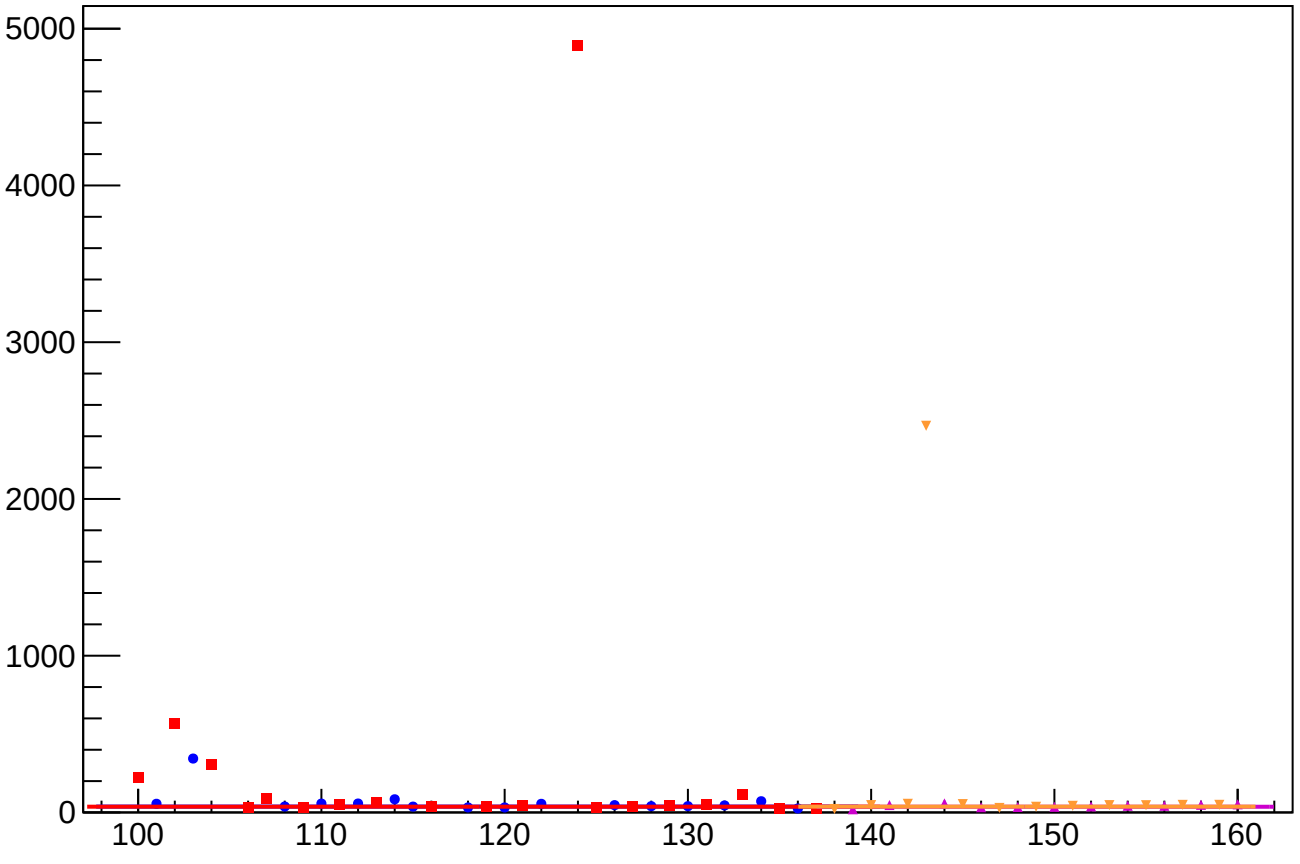
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/57

- 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: 37.279+/-0.010 χ^2/NDF:2871228.8/11

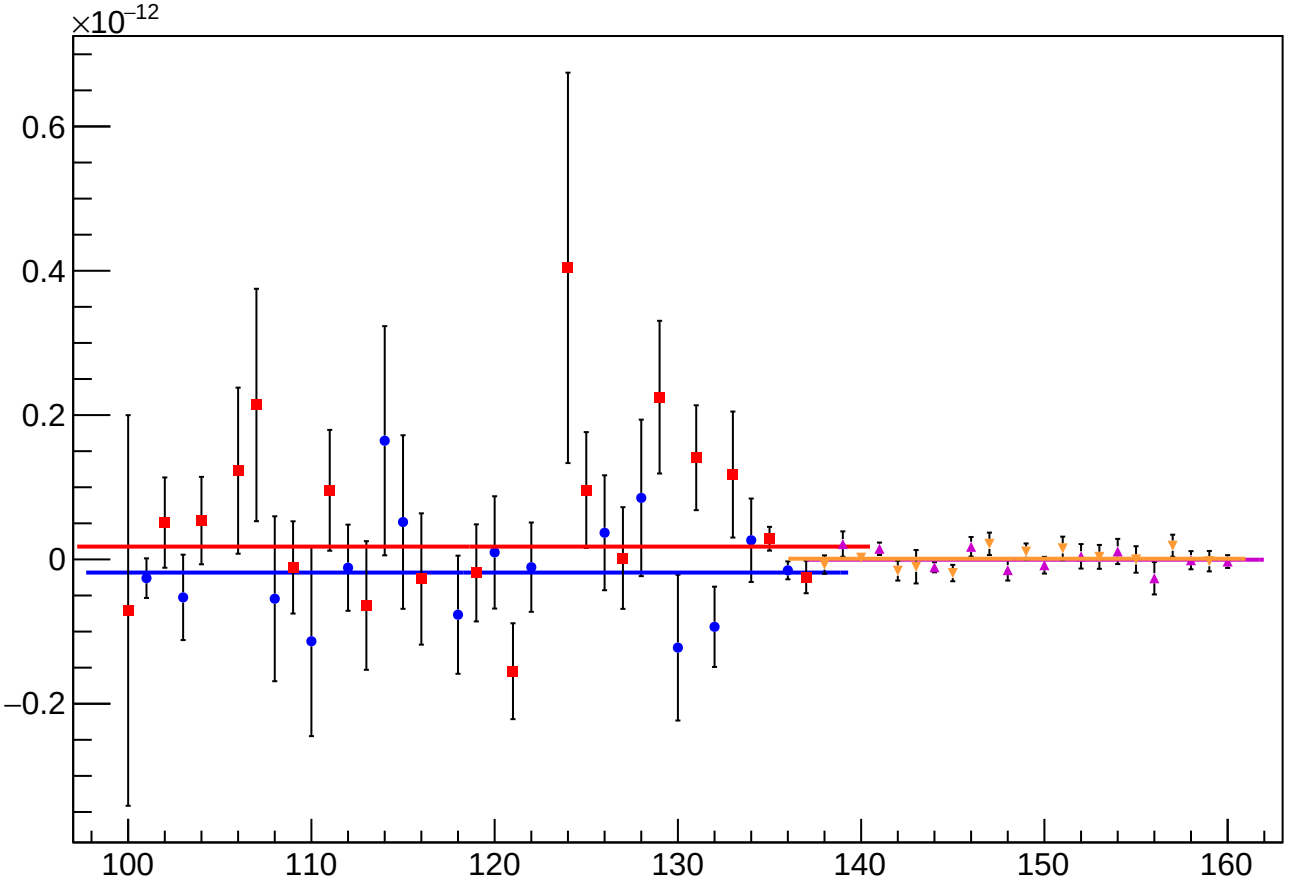
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.390+/-0.009 χ^2/NDF:1339766.7/10

+ sign 37.371+/-0.007 χ^2/NDF: 4854641.5/27

All: 36.943+/-0.005 χ^2/NDF: 9391960.2/57

- 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:10.0/11

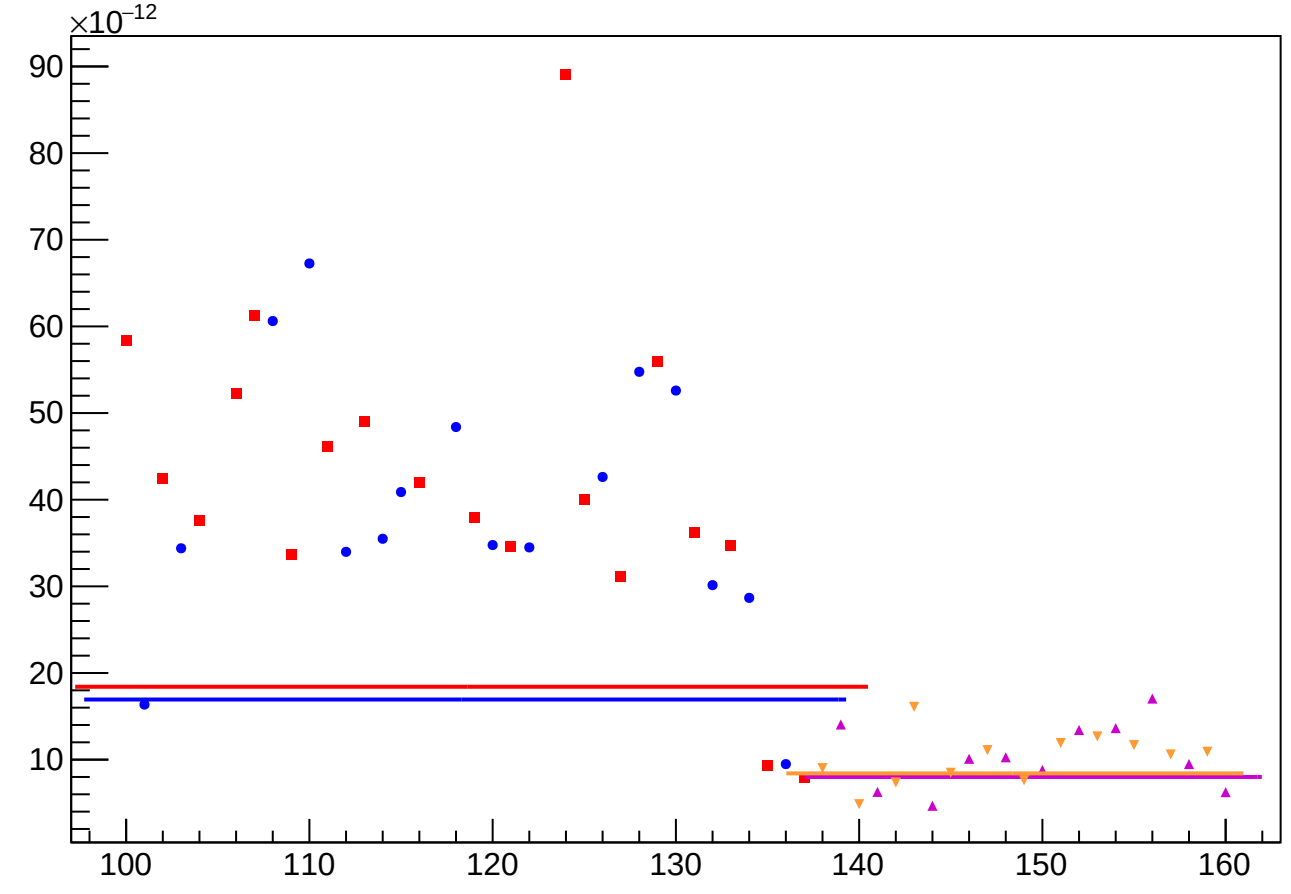
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/27

All: 0.000+/-0.000 χ^2/NDF: 63.5/57

- 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:1252285.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

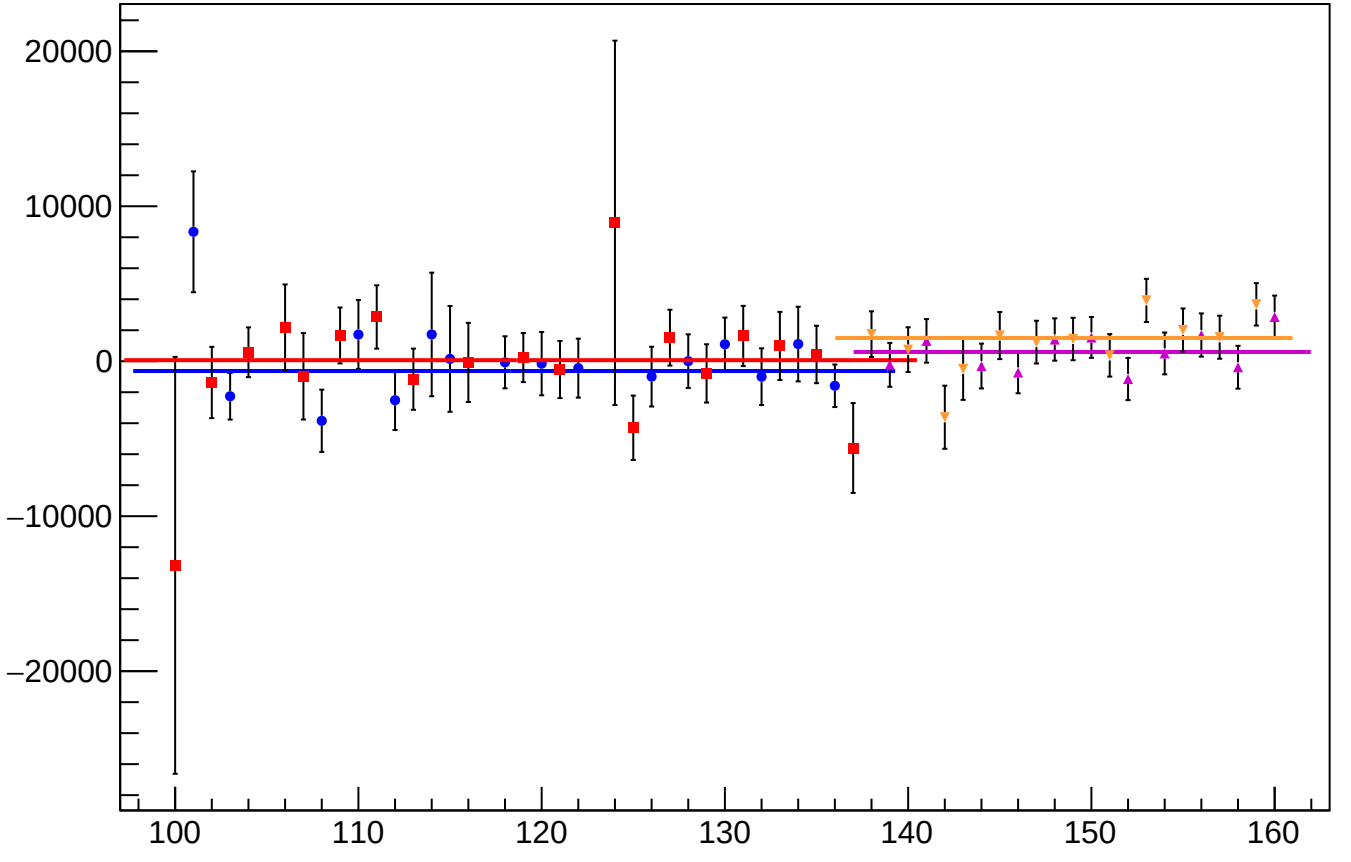
Left In: 0.000+/-0.000 χ^2/NDF:1716875.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 5761112.2/27

All: 0.000+/-0.000 χ^2/NDF: 12787725.0/57

- 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: 1502.699+/-424.834 χ^2/NDF:14.0/11

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

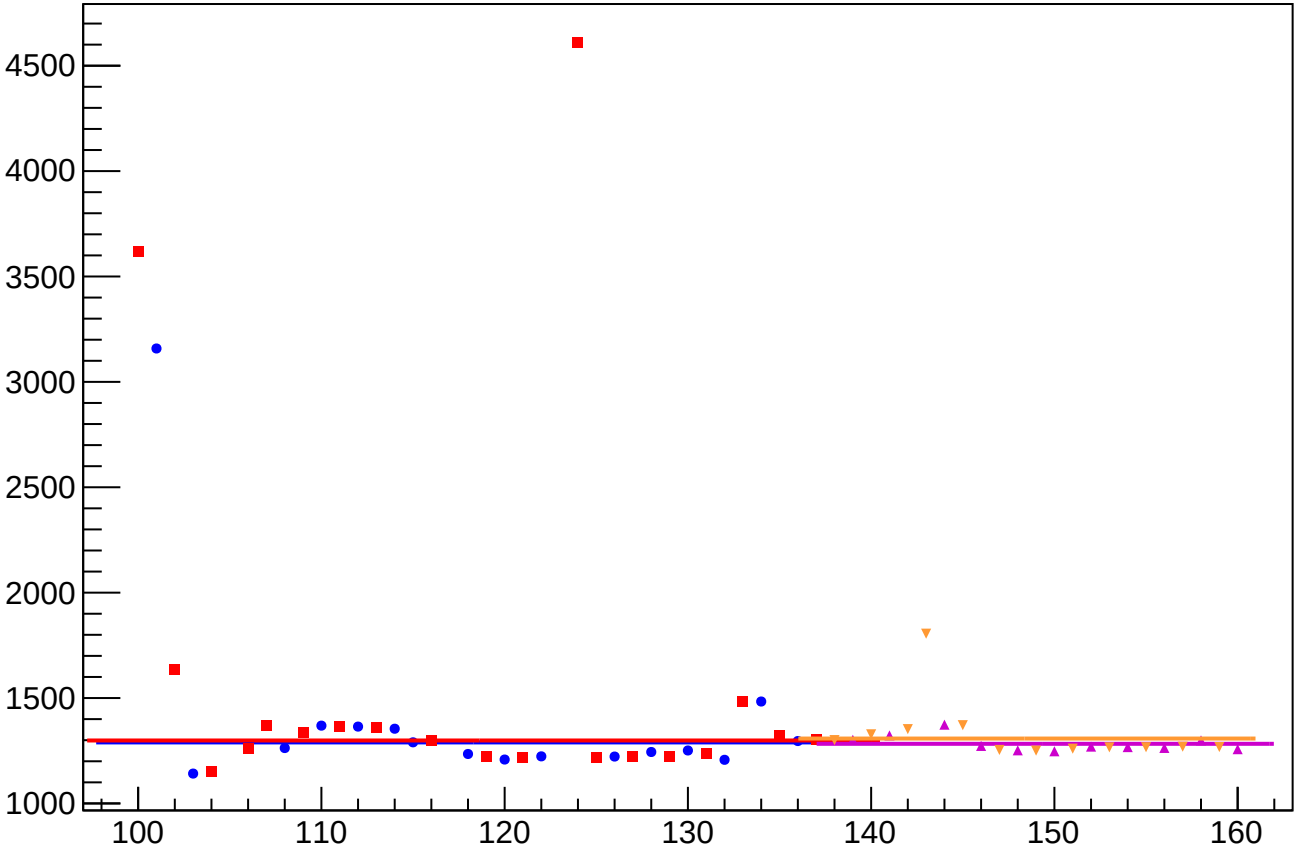
Left In: 597.367+/-415.077 χ^2/NDF:8.3/10

+ sign 584.197+/-320.611 χ^2/NDF: 38.8/27

All: 478.057+/-225.098 χ^2/NDF: 63.8/57

- 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: 1307.827+/-0.300 χ^2/NDF:144665.3/11

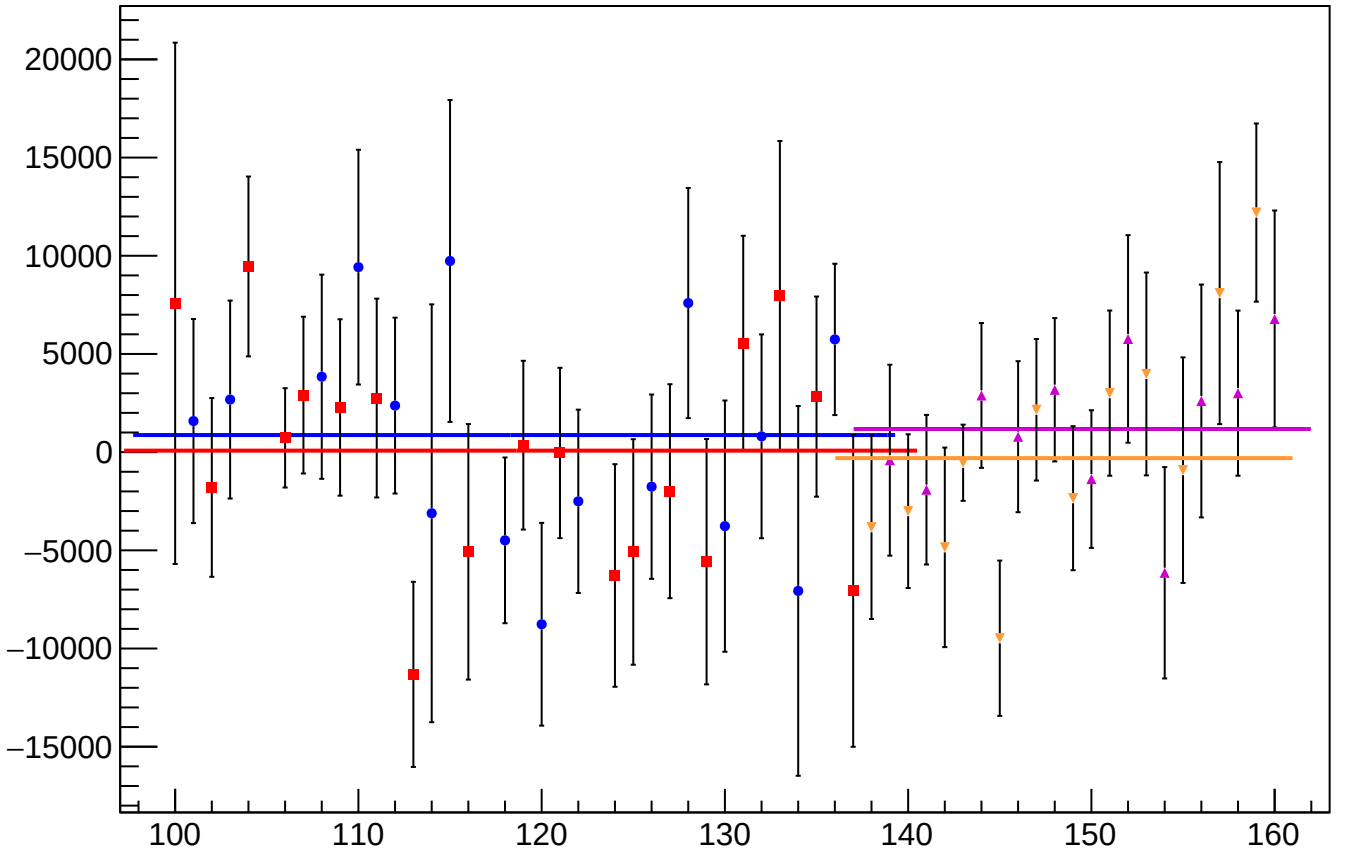
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1299.924+/-0.227 χ^2/NDF: 660948.5/27

All: 1294.642+/-0.159 χ^2/NDF: 996833.4/57

- 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: -303.733+/-1100.139 χ^2/NDF:18.5/11

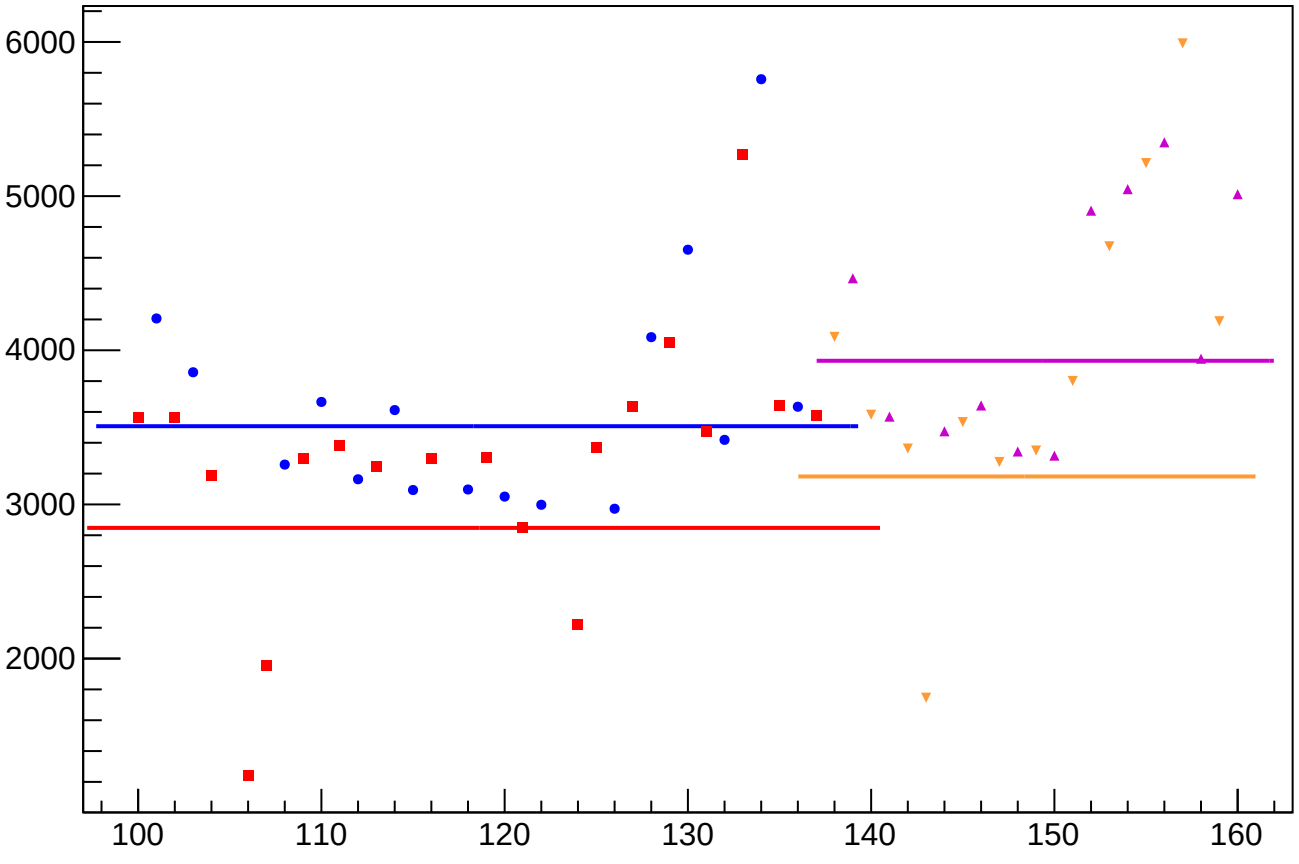
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1178.736+/-1294.234 χ^2/NDF:5.7/10

+ sign 175.233+/-846.487 χ^2/NDF: 33.0/27

All: 360.693+/-597.332 χ^2/NDF: 57.6/57

- 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: 3181.363+/-0.778 χ^2/NDF:2129386.8/11

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

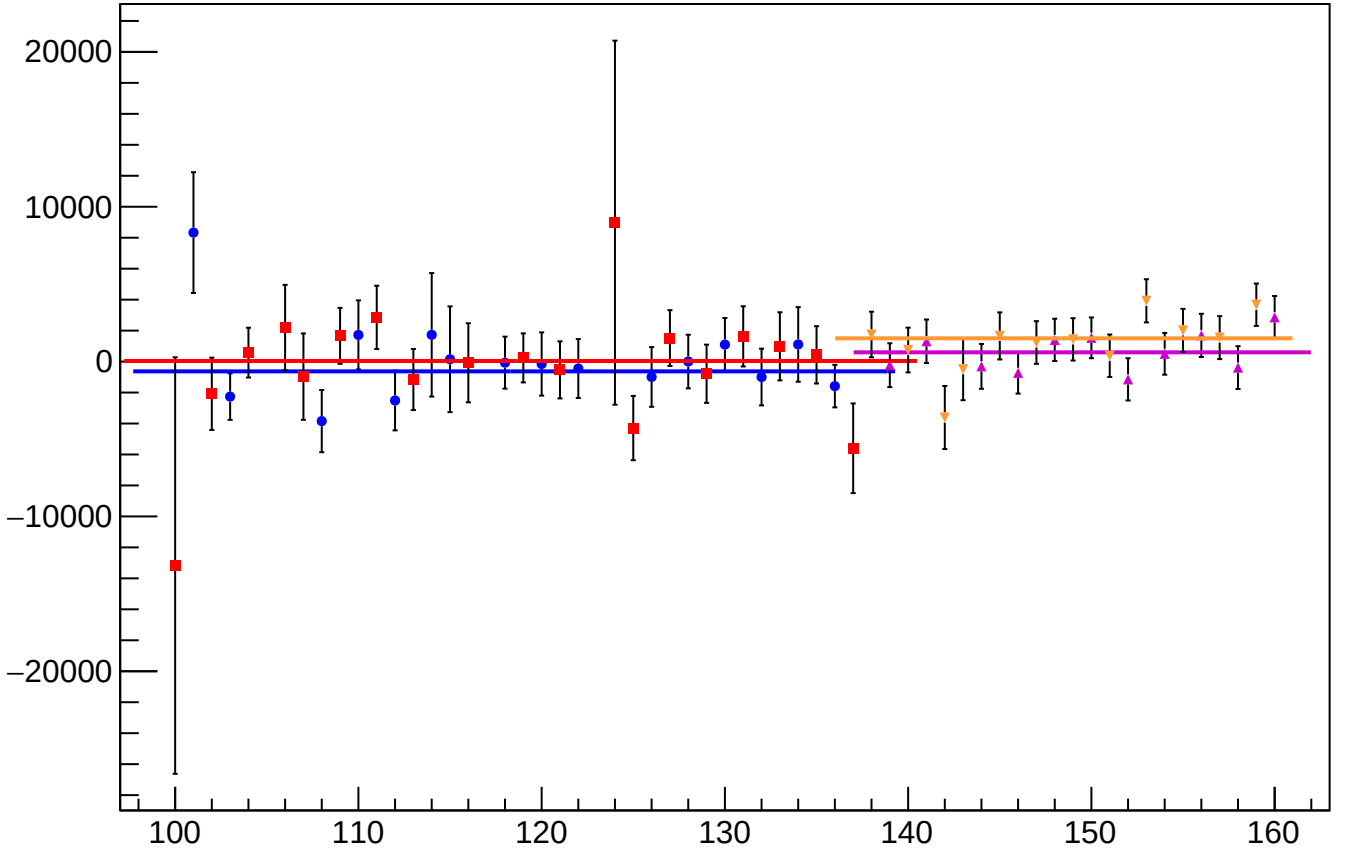
Left In: 3931.901+/-0.915 χ^2/NDF:542555.0/10

+ sign 3314.375+/-0.599 χ^2/NDF: 2555027.4/27

All: 3311.070+/-0.422 χ^2/NDF: 5404847.5/57

- 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: 1502.709+/-424.834 χ^2/NDF:14.0/11

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

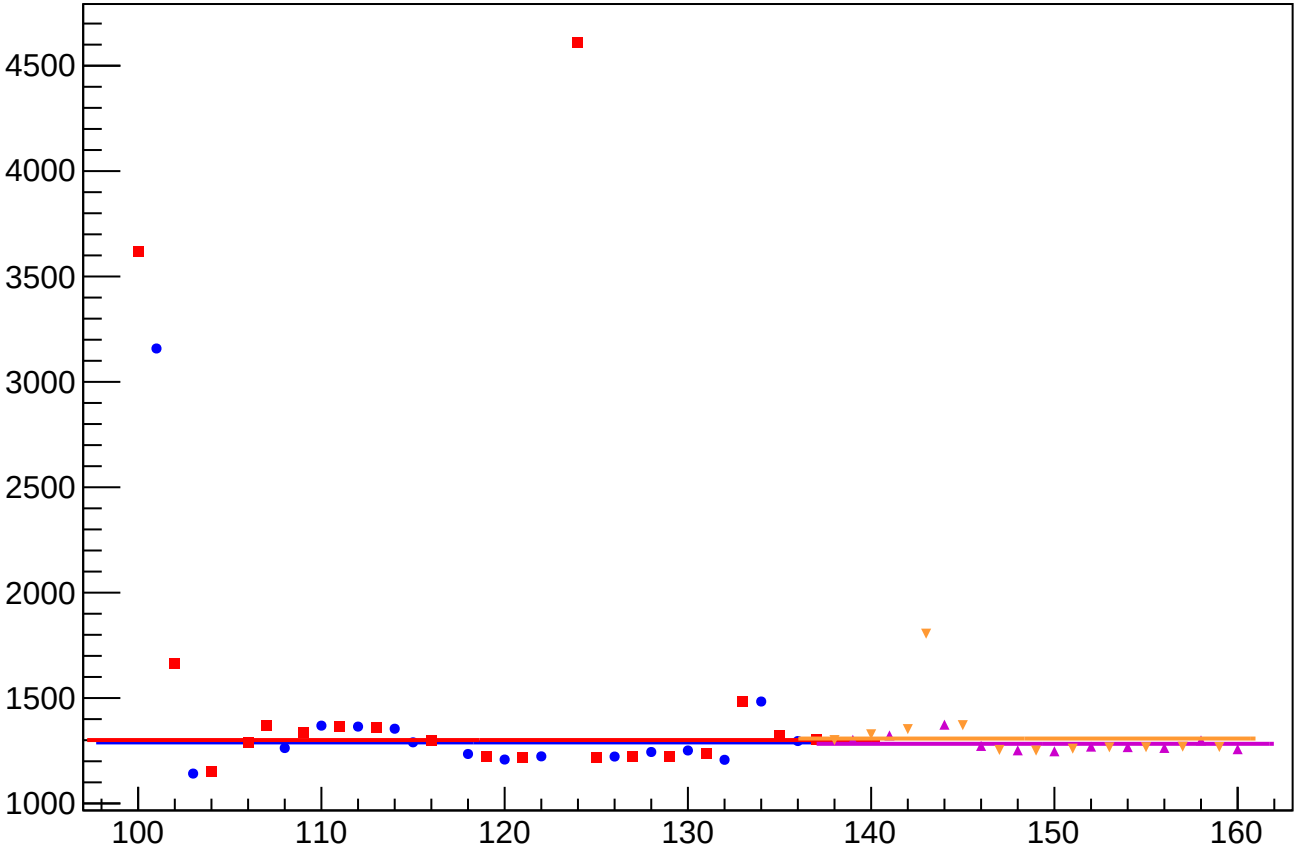
Left In: 597.365+/-415.077 χ^2/NDF:8.3/10

+ sign 584.037+/-320.611 χ^2/NDF: 38.7/27

All: 471.919+/-225.130 χ^2/NDF: 64.4/57

- 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: 1307.827+/-0.300 χ^2/NDF:144665.3/11

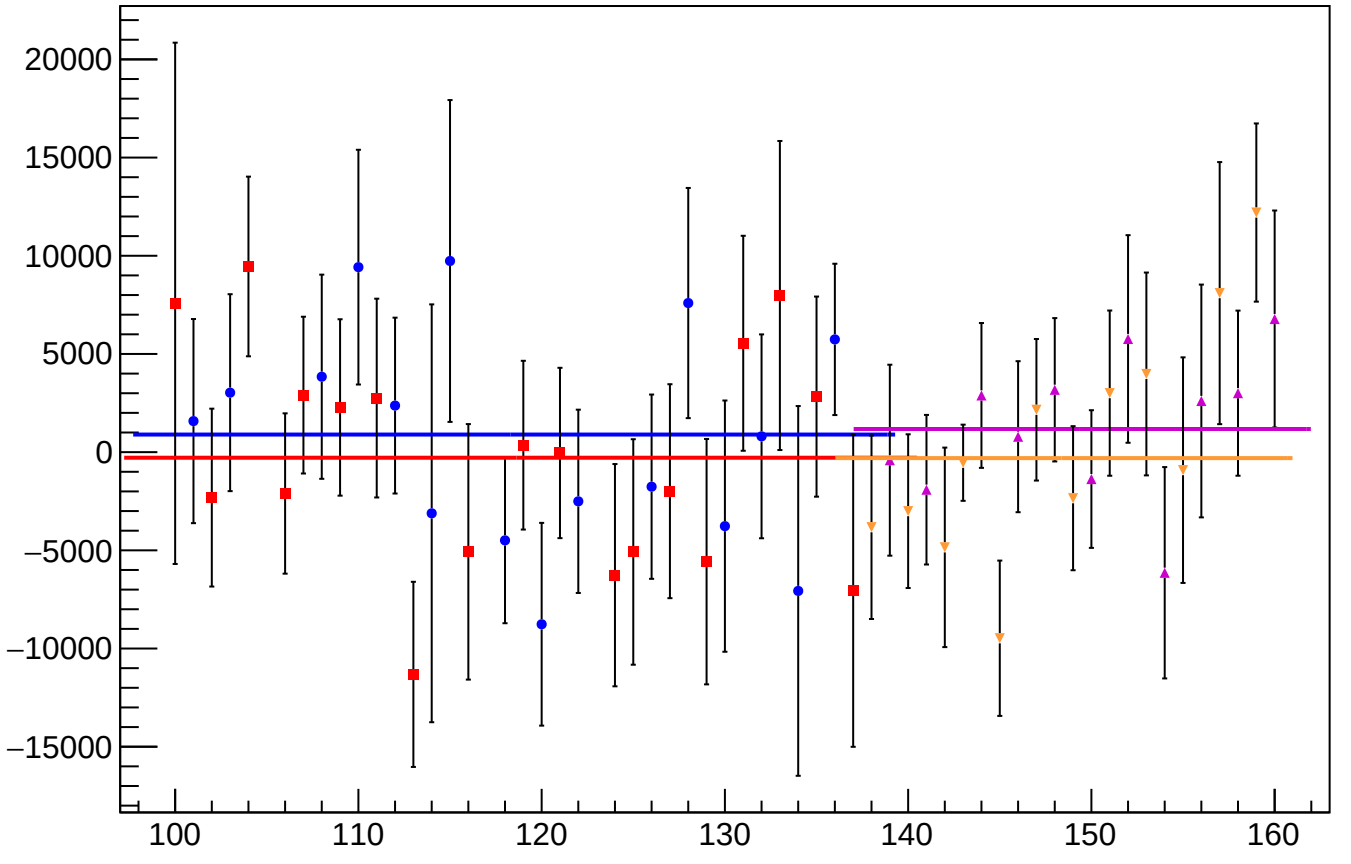
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1299.923+/-0.227 χ^2/NDF: 660950.0/27

All: 1295.073+/-0.159 χ^2/NDF: 1003531.9/57

- 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: -303.634+/-1100.137 χ^2/NDF:18.5/11

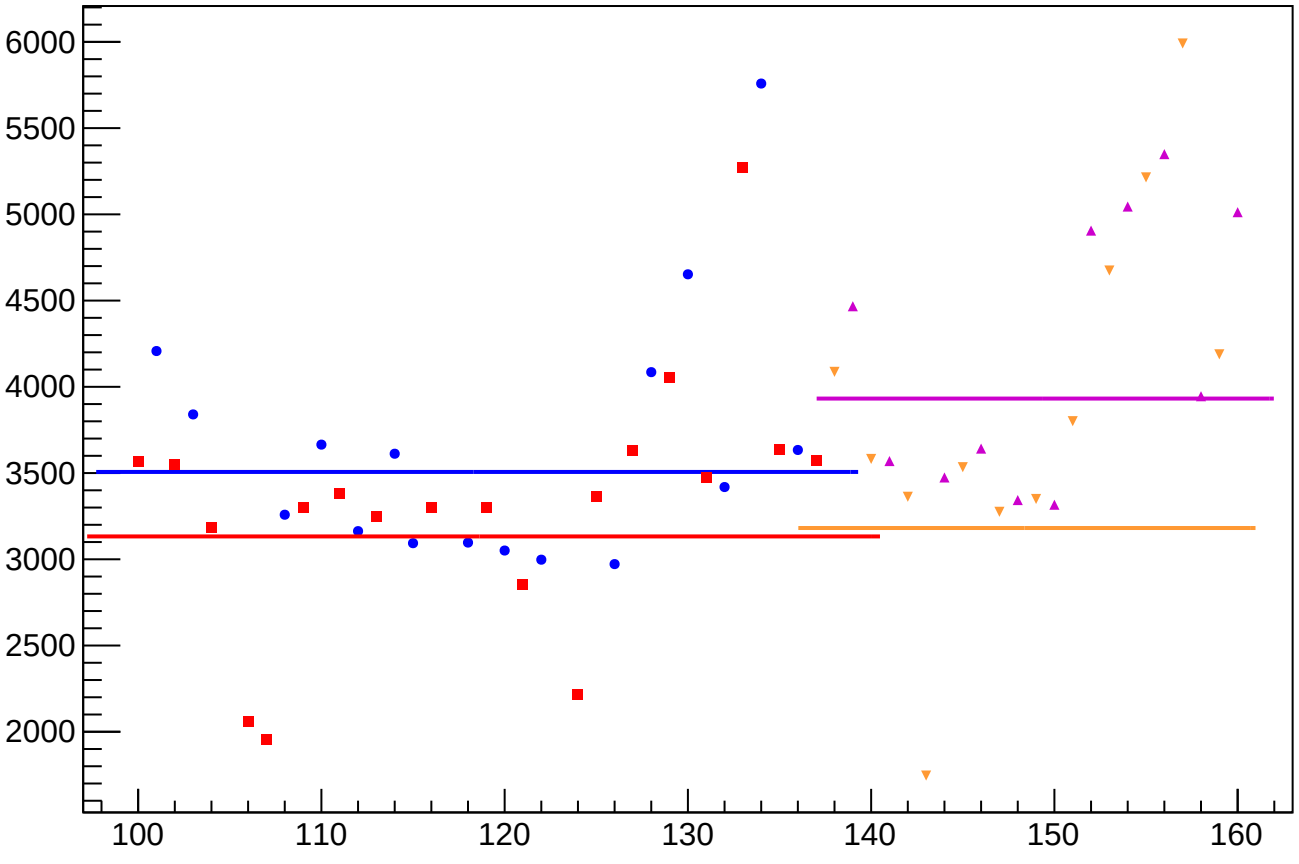
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1178.797+/-1294.233 χ^2/NDF:5.7/10

+ sign 185.983+/-846.367 χ^2/NDF: 33.1/27

All: 280.914+/-607.756 χ^2/NDF: 58.1/57

- 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: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

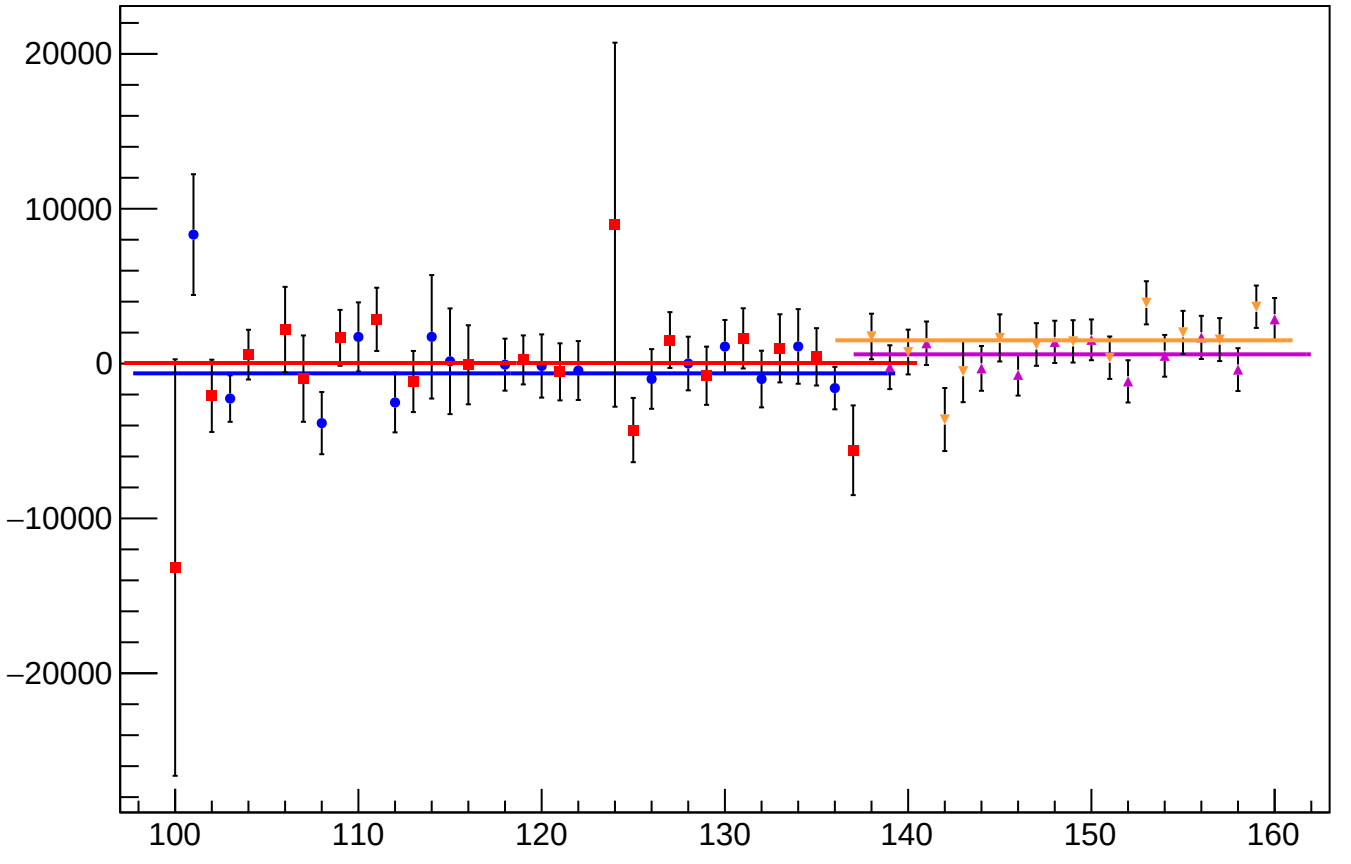
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

+ sign 3314.050+/-0.598 χ^2/NDF: 2553941.2/27

All: 3402.413+/-0.430 χ^2/NDF: 4206666.7/57

- 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: 1502.709+/-424.834 χ^2/NDF:14.0/11

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

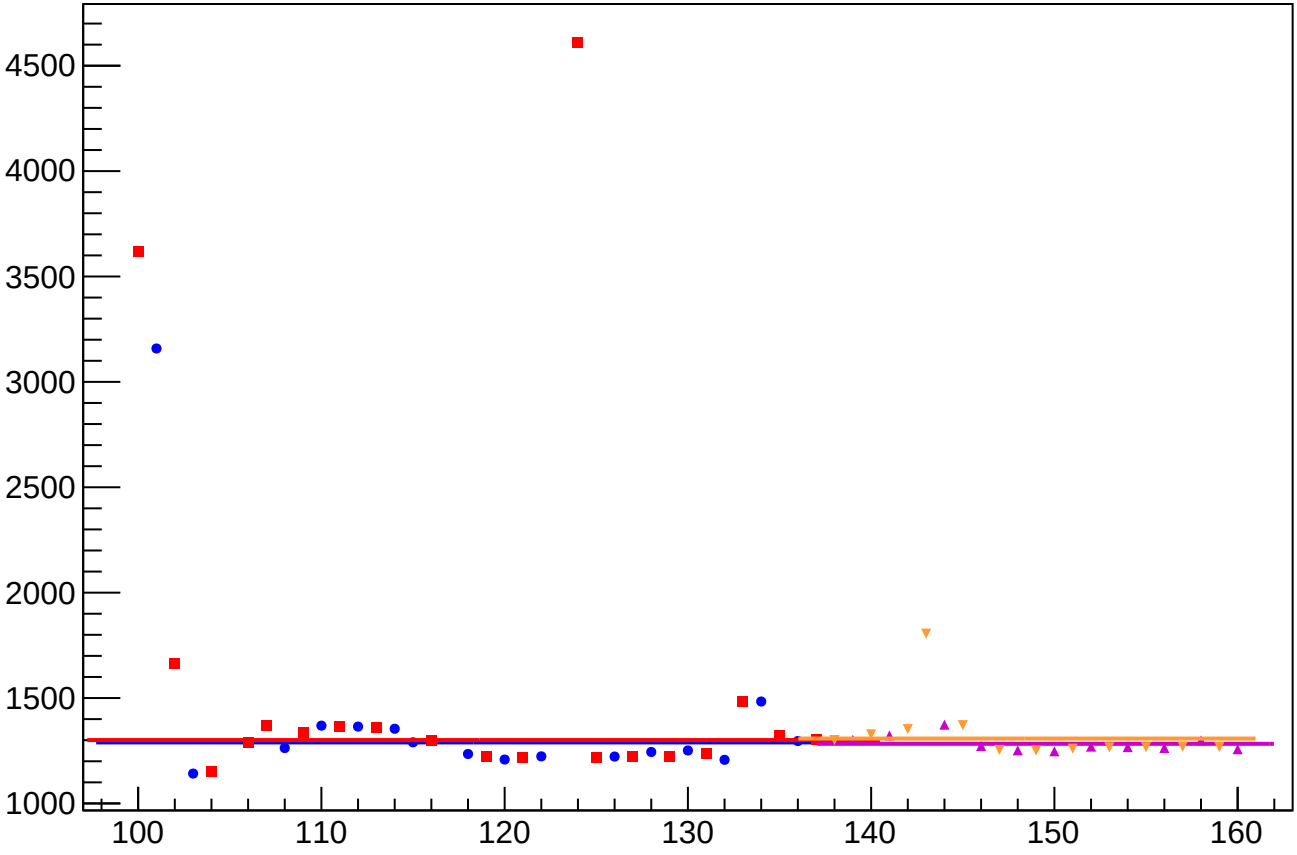
Left In: 597.365+/-415.077 χ^2/NDF:8.3/10

+ sign 584.037+/-320.611 χ^2/NDF: 38.7/27

All: 471.919+/-225.130 χ^2/NDF: 64.4/57

- 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: 1307.827+/-0.300 χ^2/NDF:144665.3/11

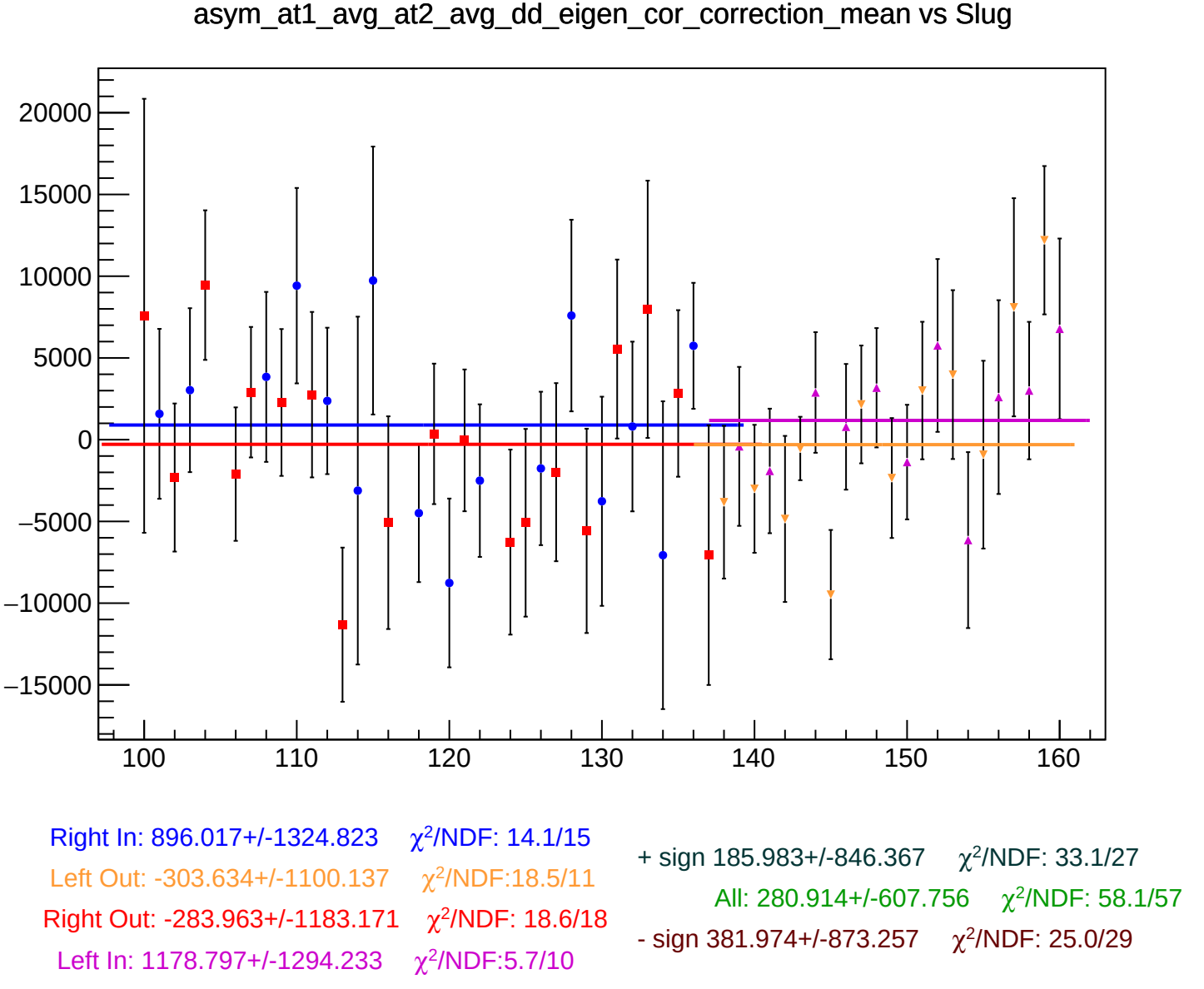
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

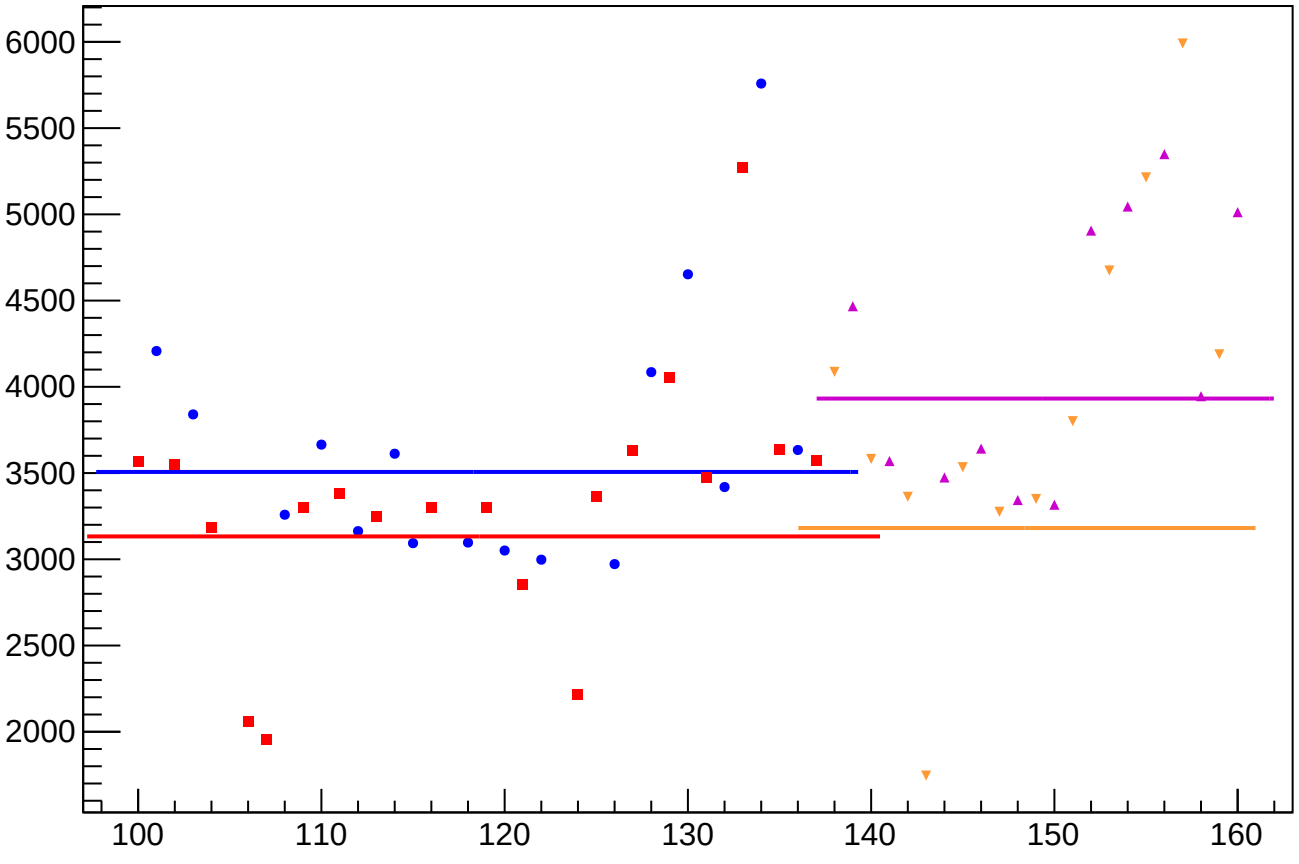
Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1299.923+/-0.227 χ^2/NDF: 660950.0/27

All: 1295.073+/-0.159 χ^2/NDF: 1003531.9/57

- 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: -303.634+/-1100.137 χ²/NDF:18.5/11
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1178.797+/-1294.233 χ²/NDF:5.7/10
+ sign 185.983+/-846.367 χ²/NDF: 33.1/27
All: 280.914+/-607.756 χ²/NDF: 58.1/57
- sign 381.974+/-873.257 χ²/NDF: 25.0/29



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

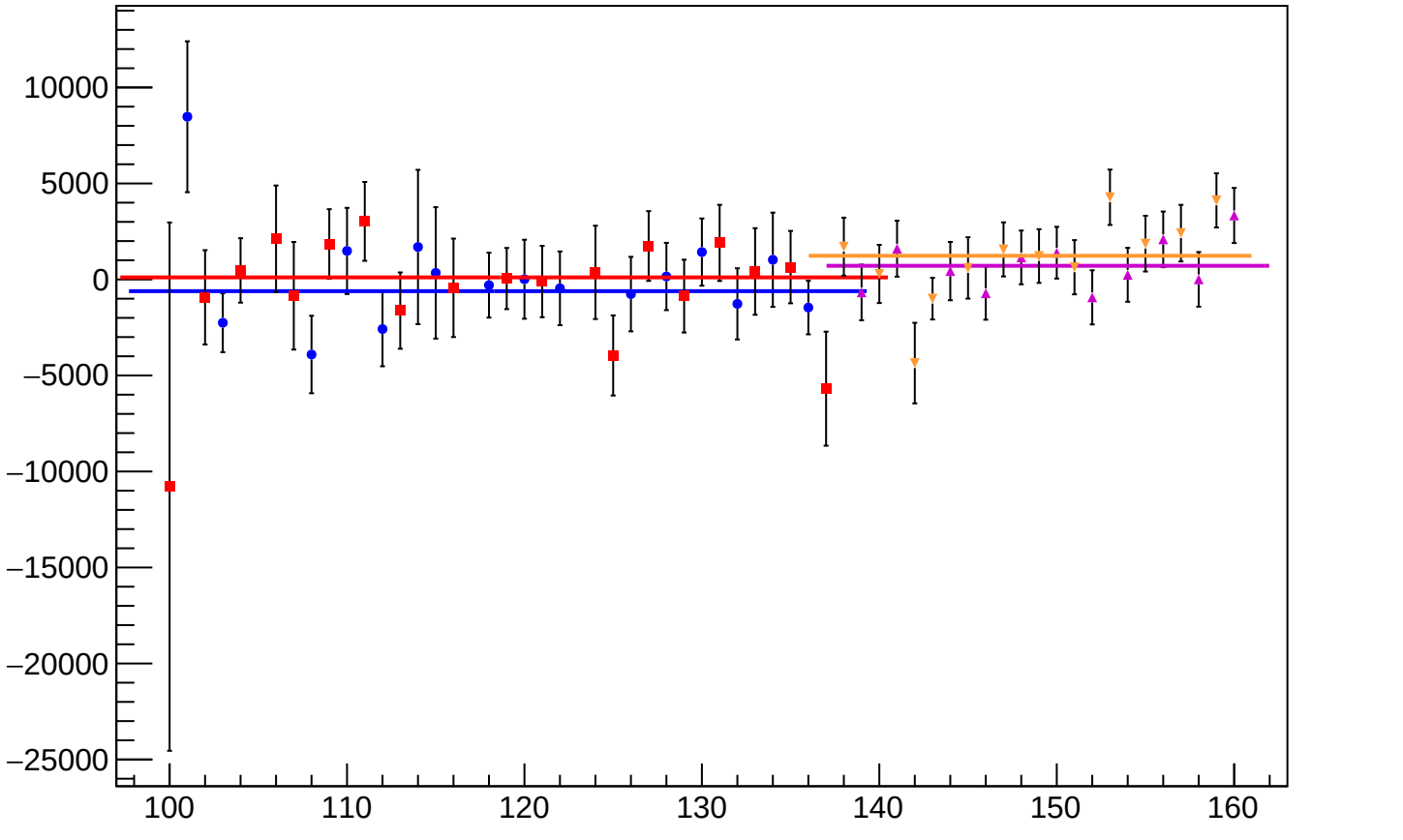
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

+ sign 3314.050+/-0.598 χ^2/NDF: 2553941.2/27

All: 3402.413+/-0.430 χ^2/NDF: 4206666.7/57

- 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: 1234.281+/-415.913 χ^2/NDF:21.7/11

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

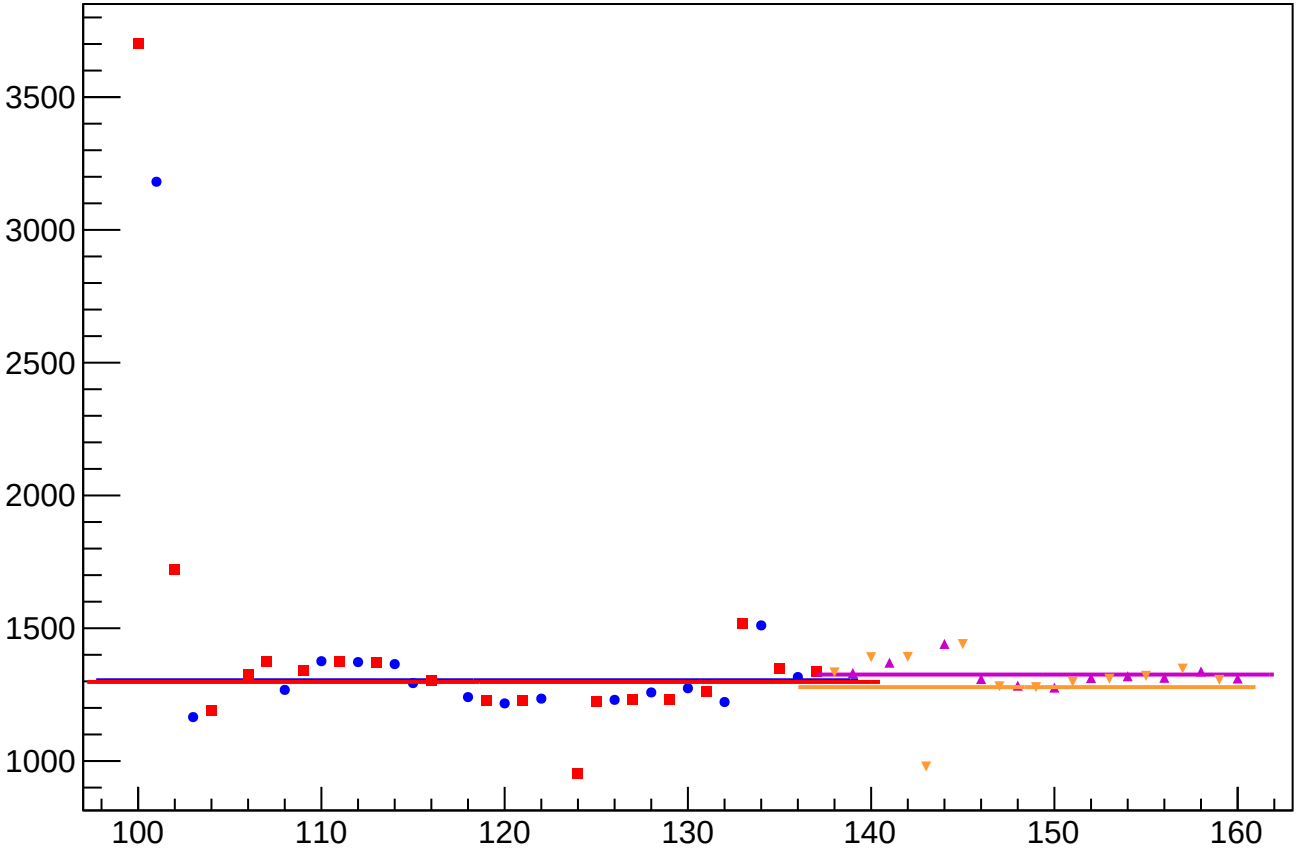
Left In: 712.705+/-428.982 χ^2/NDF:8.7/10

+ sign 470.486+/-318.213 χ^2/NDF: 43.9/27

All: 459.301+/-226.158 χ^2/NDF: 68.4/57

- 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: 1278.303+/-0.294 χ^2/NDF:200587.6/11

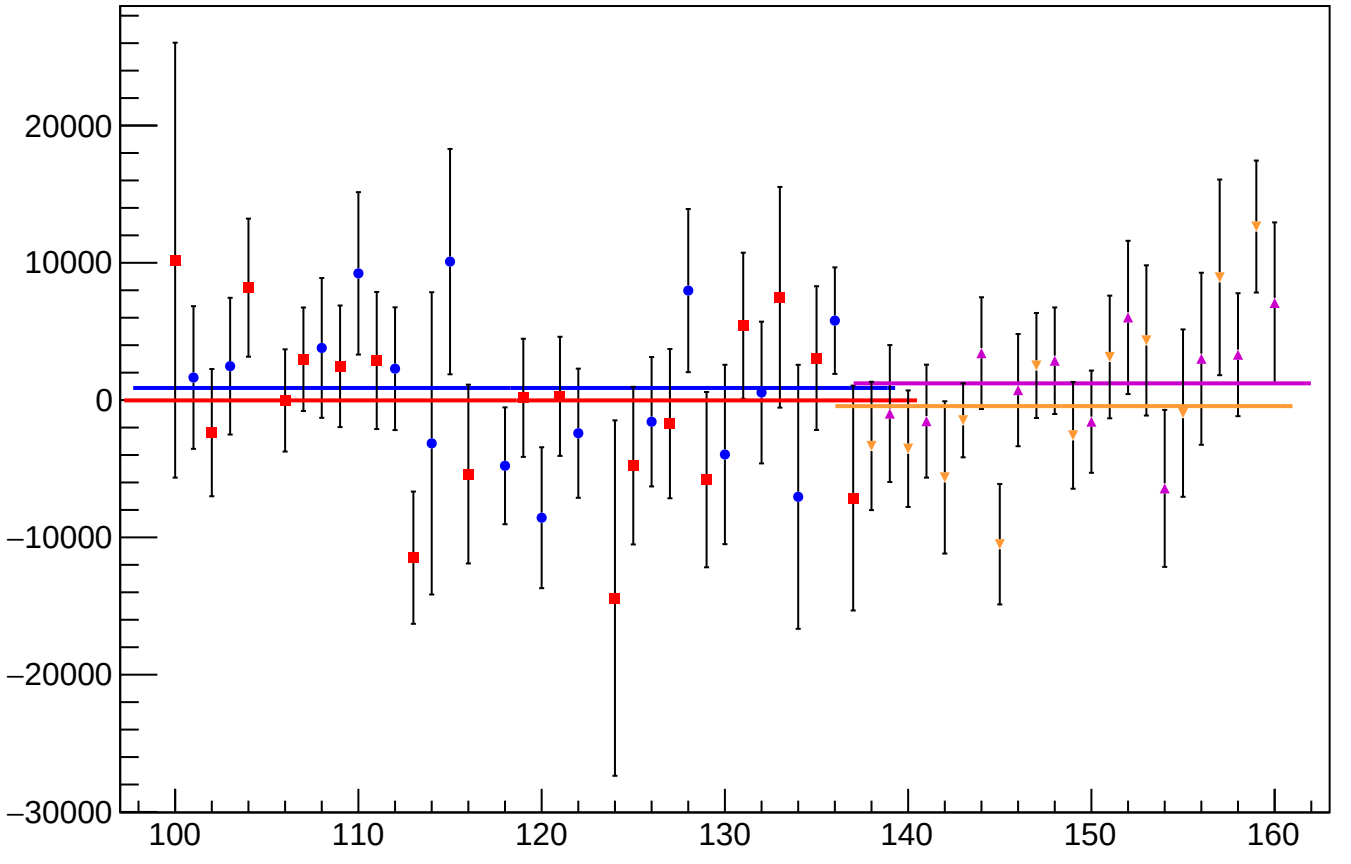
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.597+/-0.303 χ^2/NDF:18904.0/10

+ sign 1289.000+/-0.225 χ^2/NDF: 714367.9/27

All: 1301.079+/-0.160 χ^2/NDF: 955875.4/57

- 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: -439.004+/-1258.889 χ^2/NDF:18.6/11

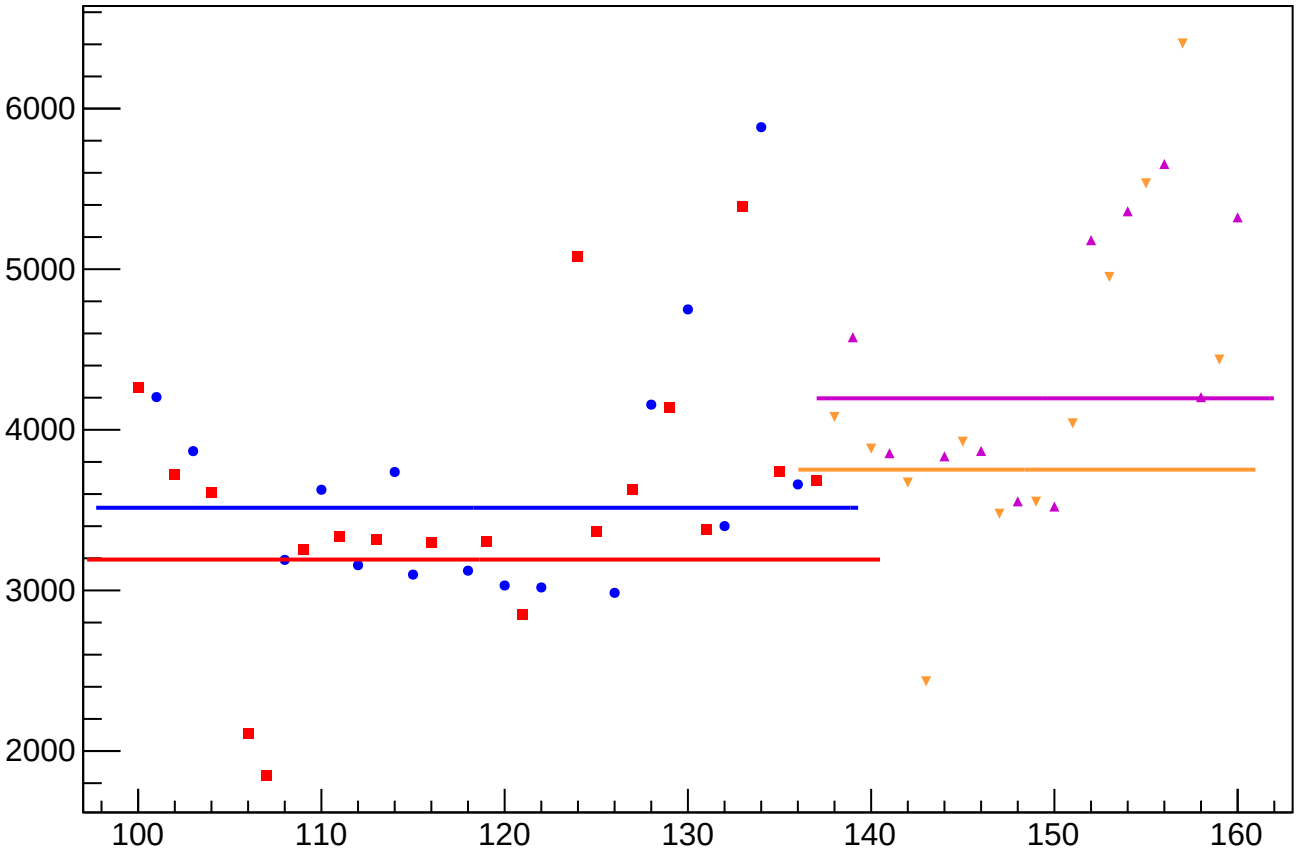
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1220.374+/-1379.867 χ^2/NDF:5.5/10

+ sign 187.504+/-913.429 χ^2/NDF: 33.3/27

All: 352.048+/-643.068 χ^2/NDF: 56.2/57

- 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: 3752.024+/-0.890 χ^2/NDF:1101737.2/11

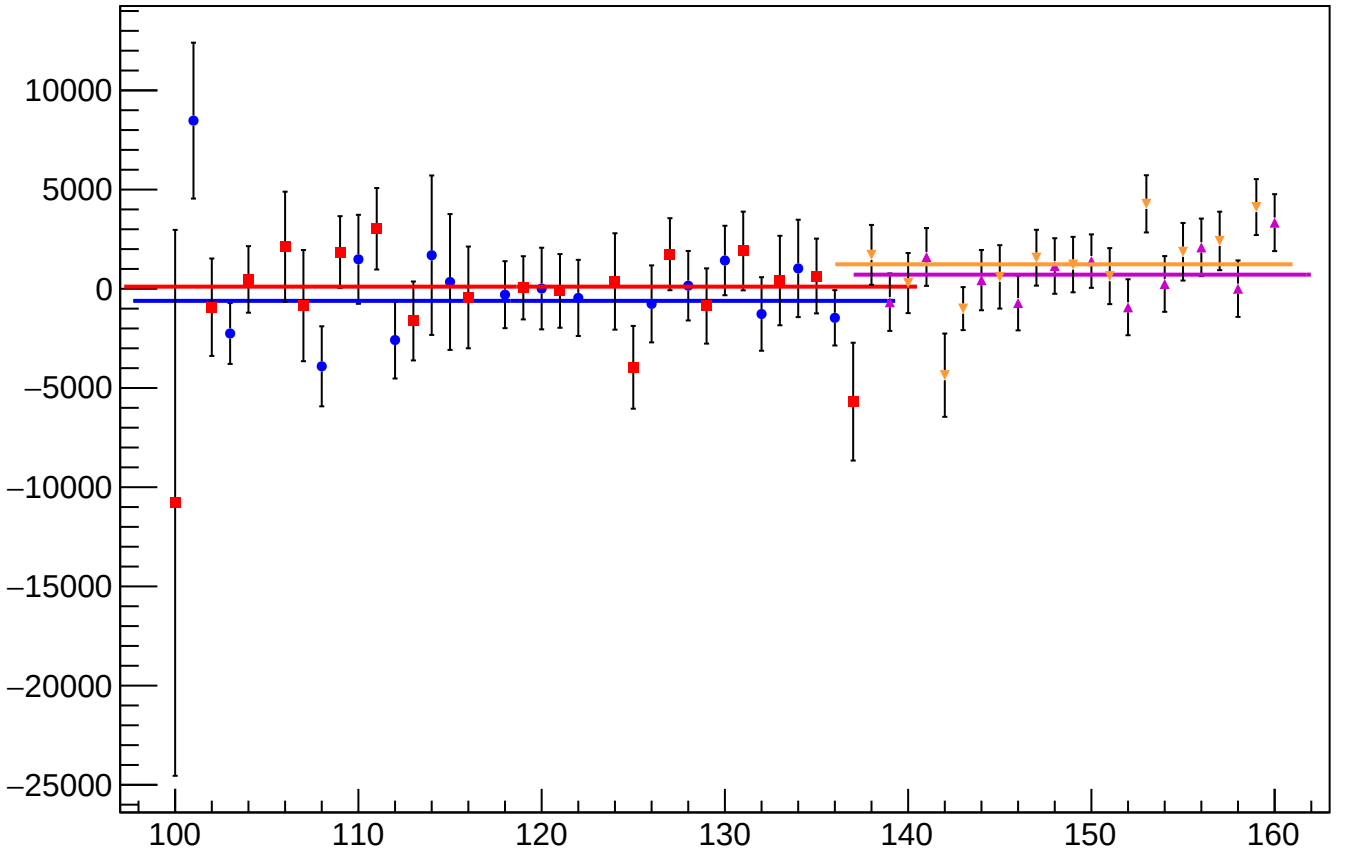
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4196.018+/-0.976 χ^2/NDF:501534.5/10

+ sign 3639.666+/-0.646 χ^2/NDF: 1510460.7/27

All: 3632.002+/-0.455 χ^2/NDF: 3387415.9/57

- 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: 1234.285+/-415.913 χ^2/NDF:21.7/11

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

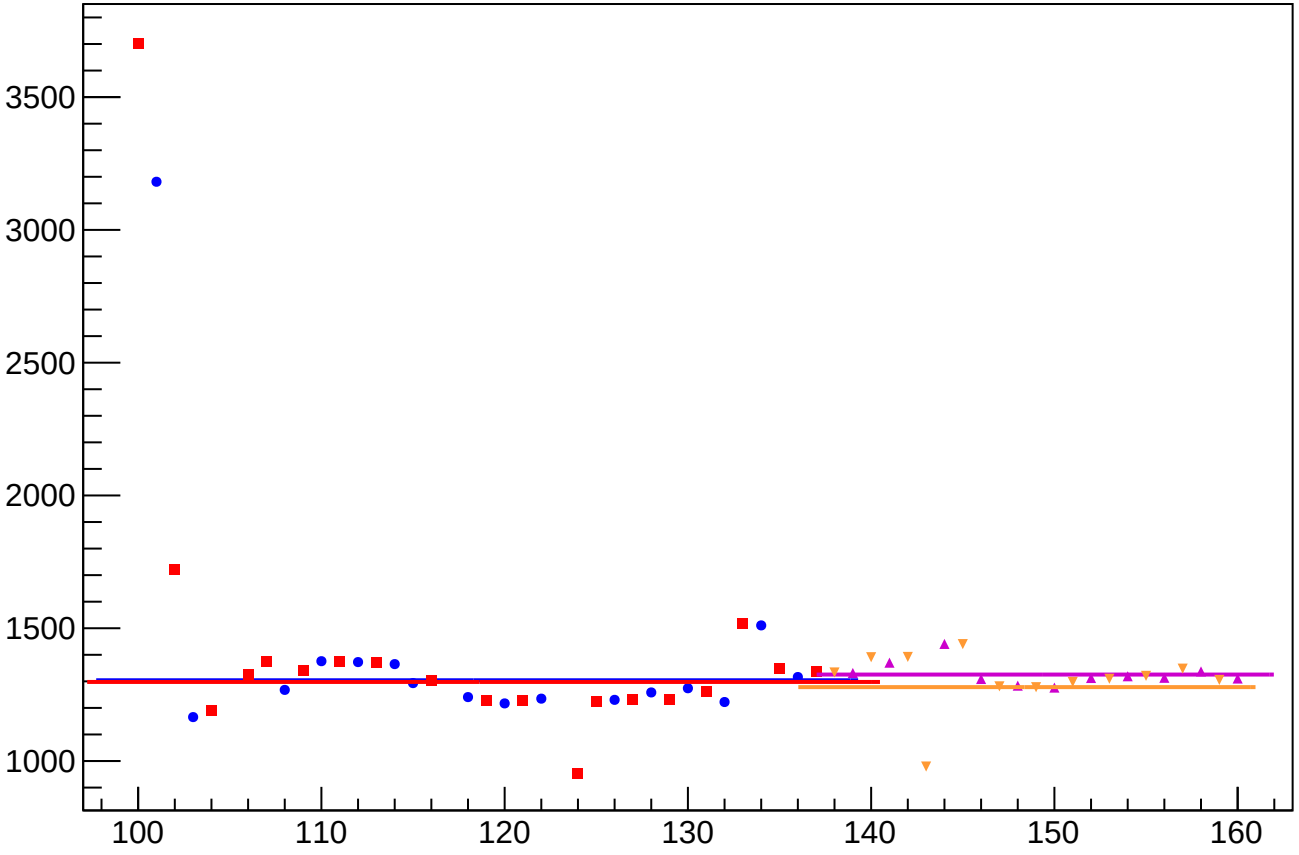
Left In: 712.706+/-428.982 χ^2/NDF:8.7/10

\+ sign 470.486+/-318.213 χ^2/NDF: 43.9/27

All: 459.302+/-226.159 χ^2/NDF: 68.4/57

\- 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: 1278.304+/-0.294 χ^2/NDF:200588.1/11

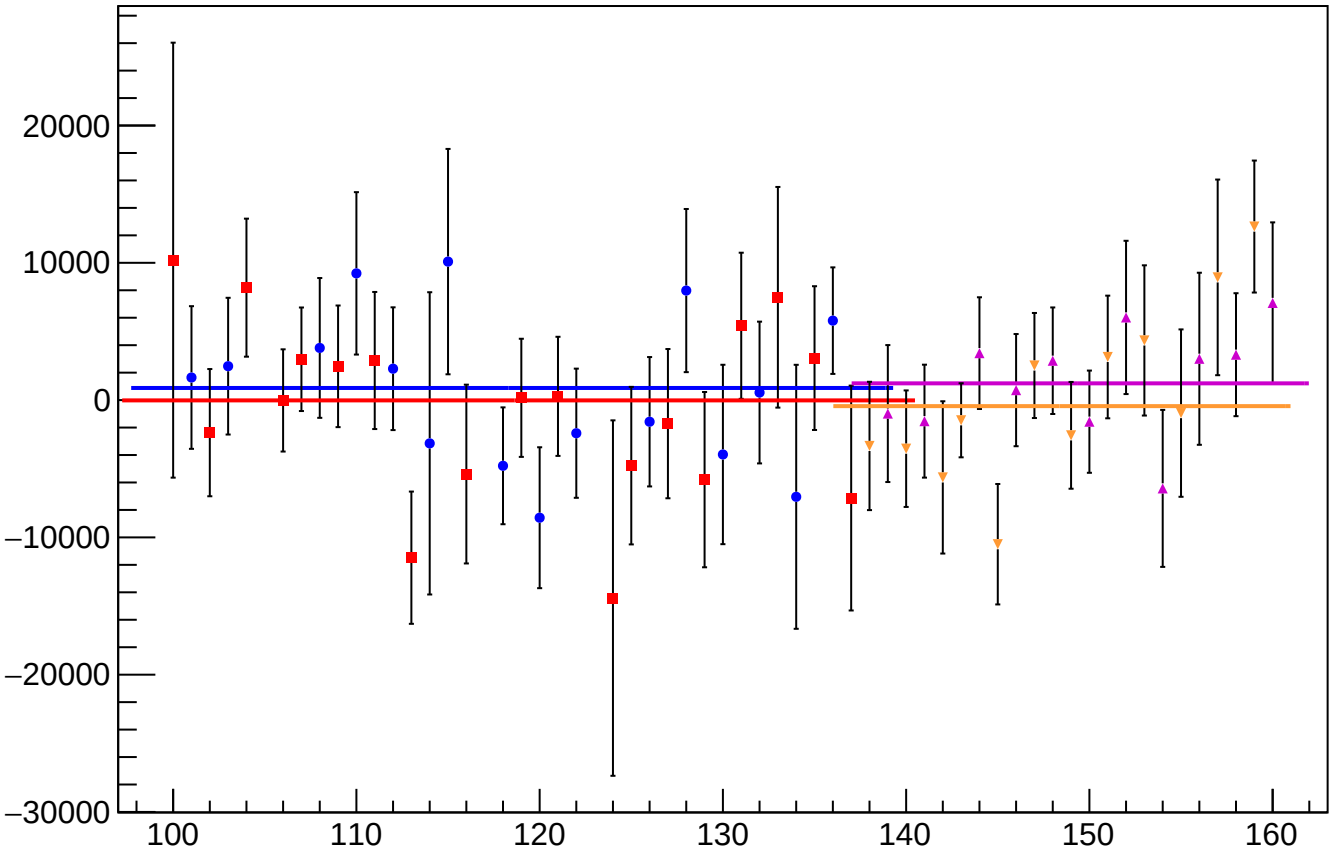
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.598+/-0.303 χ^2/NDF:18904.1/10

+ sign 1289.001+/-0.225 χ^2/NDF: 714368.3/27

All: 1301.080+/-0.160 χ^2/NDF: 955876.2/57

- 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: -439.000+/-1258.891 χ^2/NDF:18.6/11

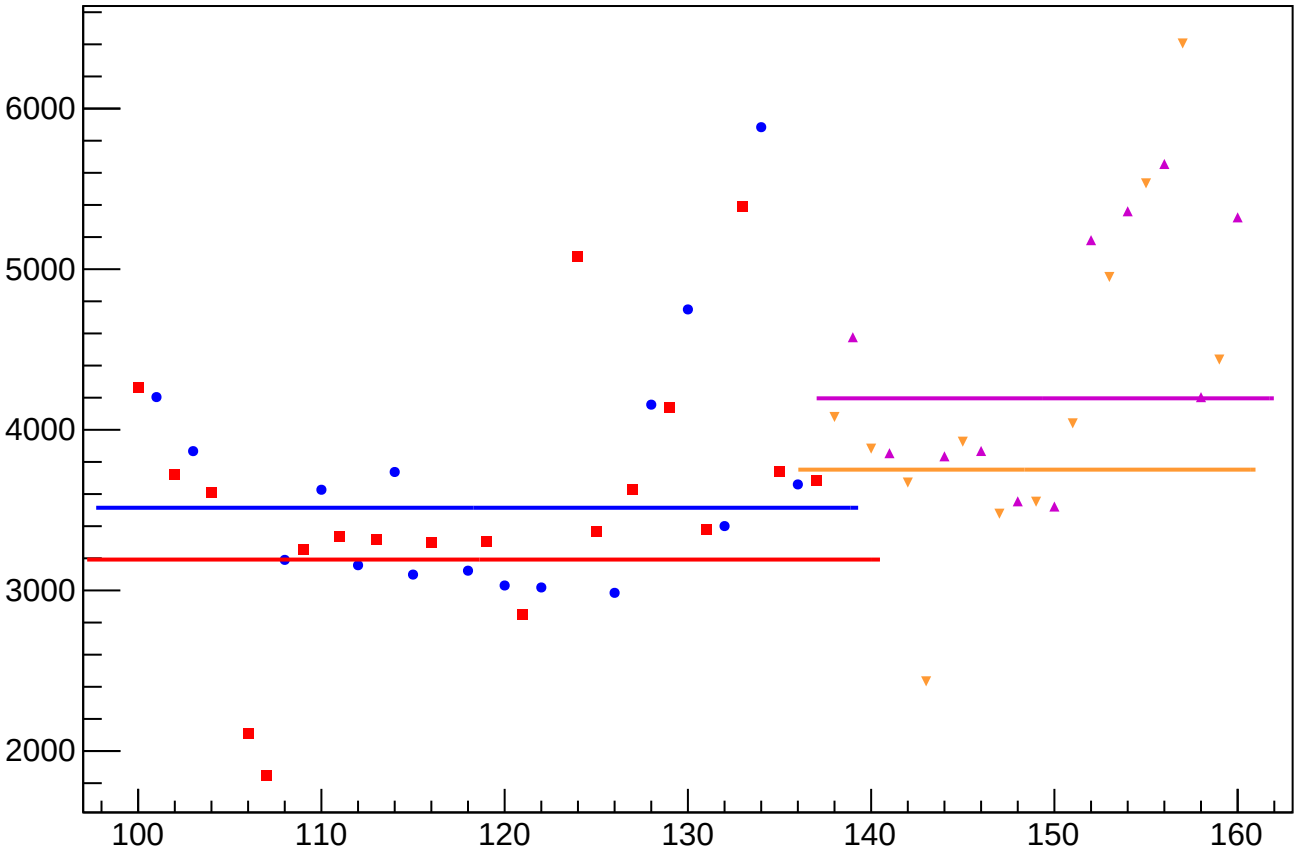
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1220.374+/-1379.869 χ^2/NDF:5.5/10

+ sign 187.504+/-913.428 χ^2/NDF: 33.3/27

All: 352.048+/-643.068 χ^2/NDF: 56.2/57

- 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: 3752.029+/-0.890 χ^2/NDF:1101737.4/11

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

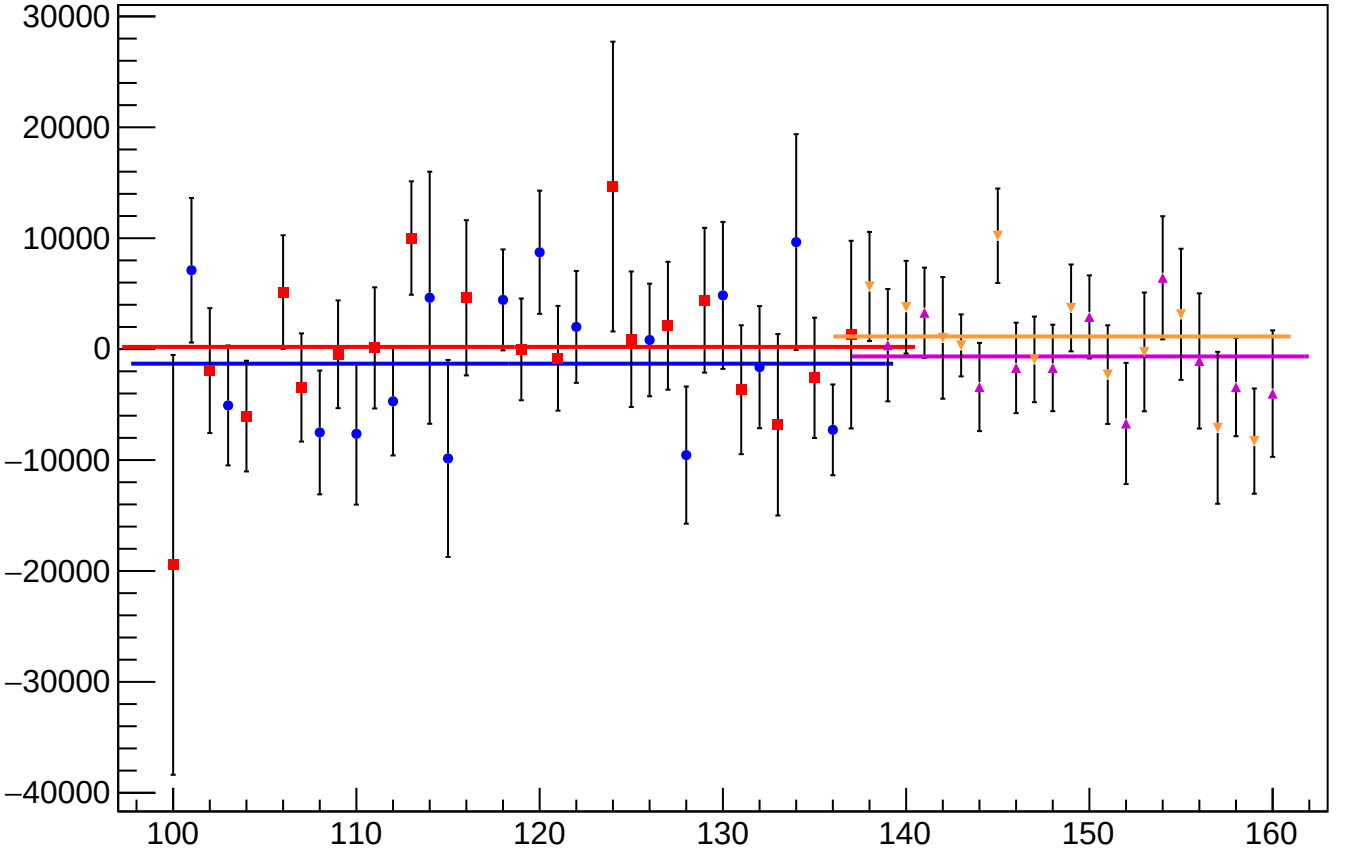
Left In: 4196.024+/-0.976 χ^2/NDF:501534.8/10

+ sign 3639.664+/-0.646 χ^2/NDF: 1510469.1/27

All: 3631.999+/-0.455 χ^2/NDF: 3387443.1/57

- 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: 1143.591+/-1262.777 χ^2/NDF:12.8/11

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

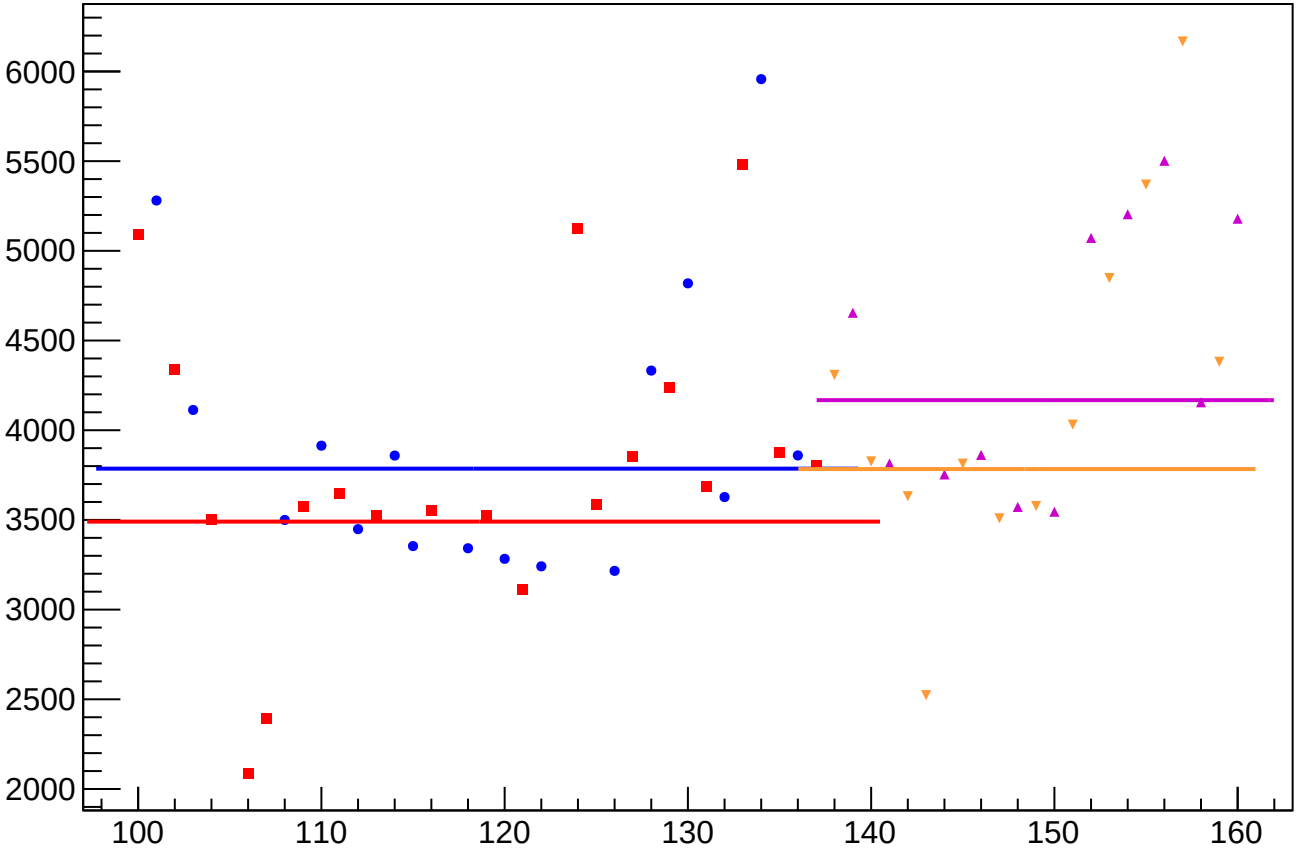
Left In: -659.186+/-1367.707 χ^2/NDF:6.1/10

+ sign 70.235+/-947.016 χ^2/NDF: 32.0/27

All: -72.921+/-672.701 χ^2/NDF: 50.0/57

- 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: 3783.485+/-0.893 χ^2/NDF:950121.3/11

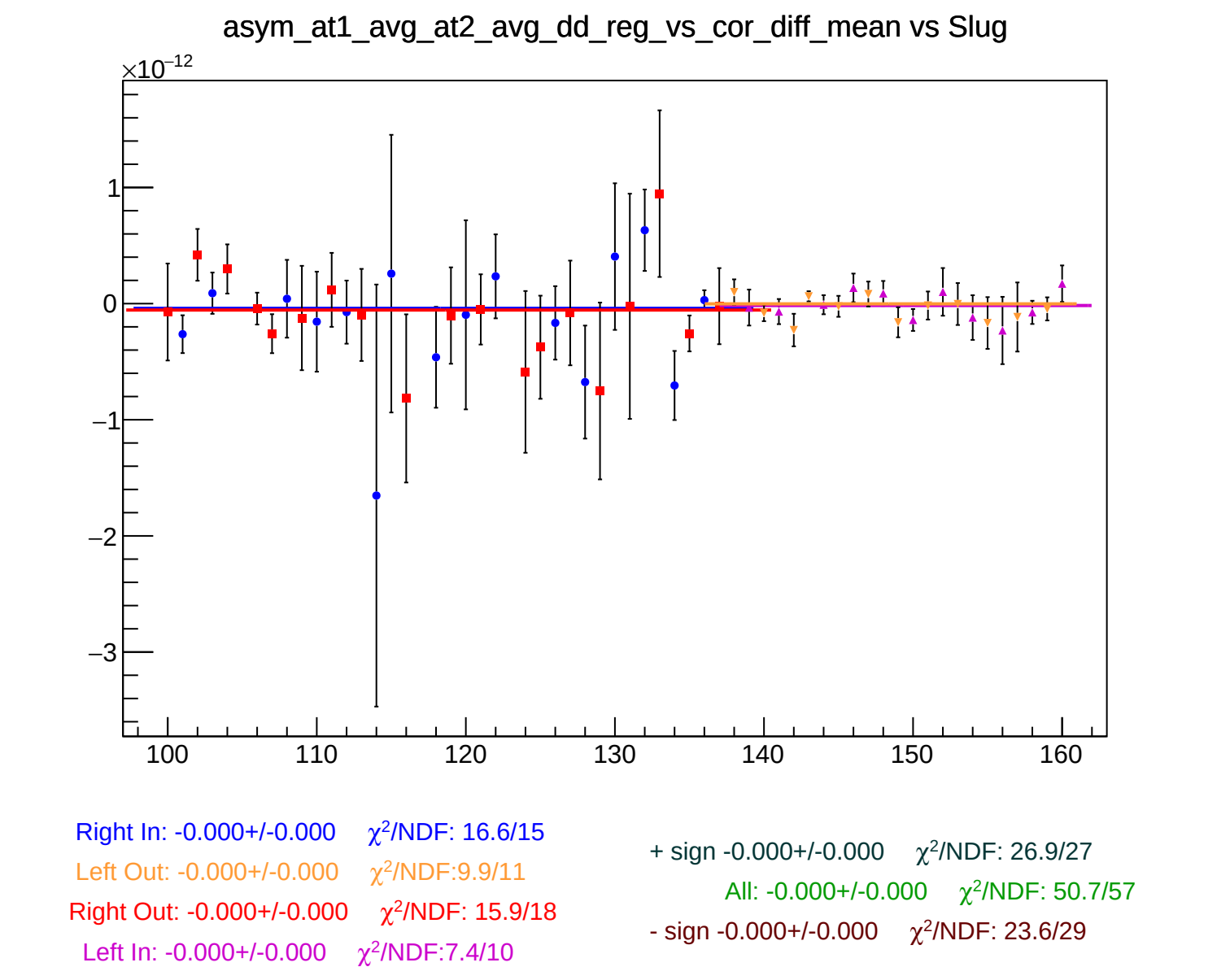
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

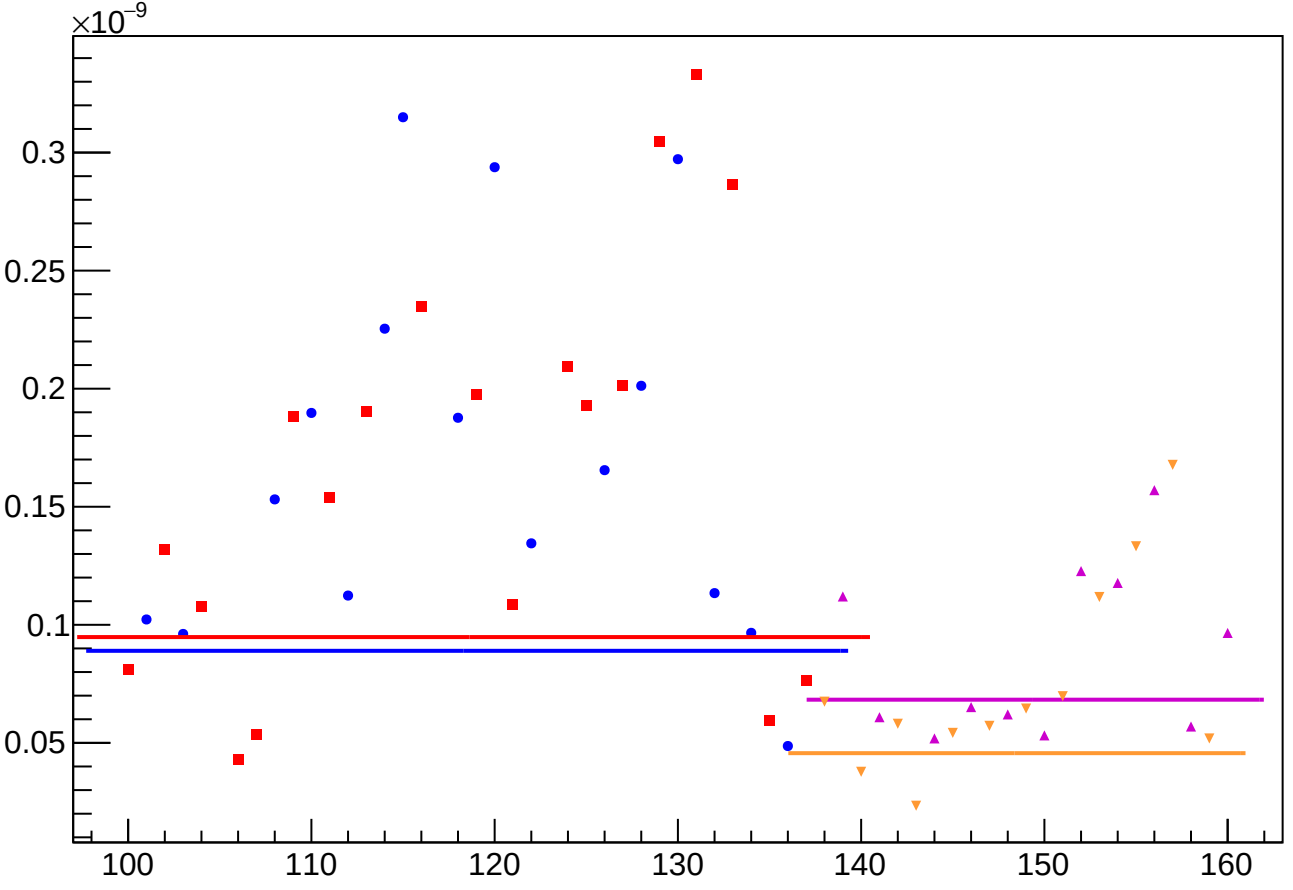
Left In: 4167.729+/-0.967 χ^2/NDF:451630.3/10

+ sign 3784.486+/-0.670 χ^2/NDF: 1333117.1/27

All: 3800.512+/-0.474 χ^2/NDF: 2626806.0/57

- sign 3816.605+/-0.671 χ^2/NDF: 1292541.1/29


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug
×10⁻¹²
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:9.9/11
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: 26.9/27
All: -0.000+/-0.000 χ²/NDF: 50.7/57
- 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:1719207.8/11

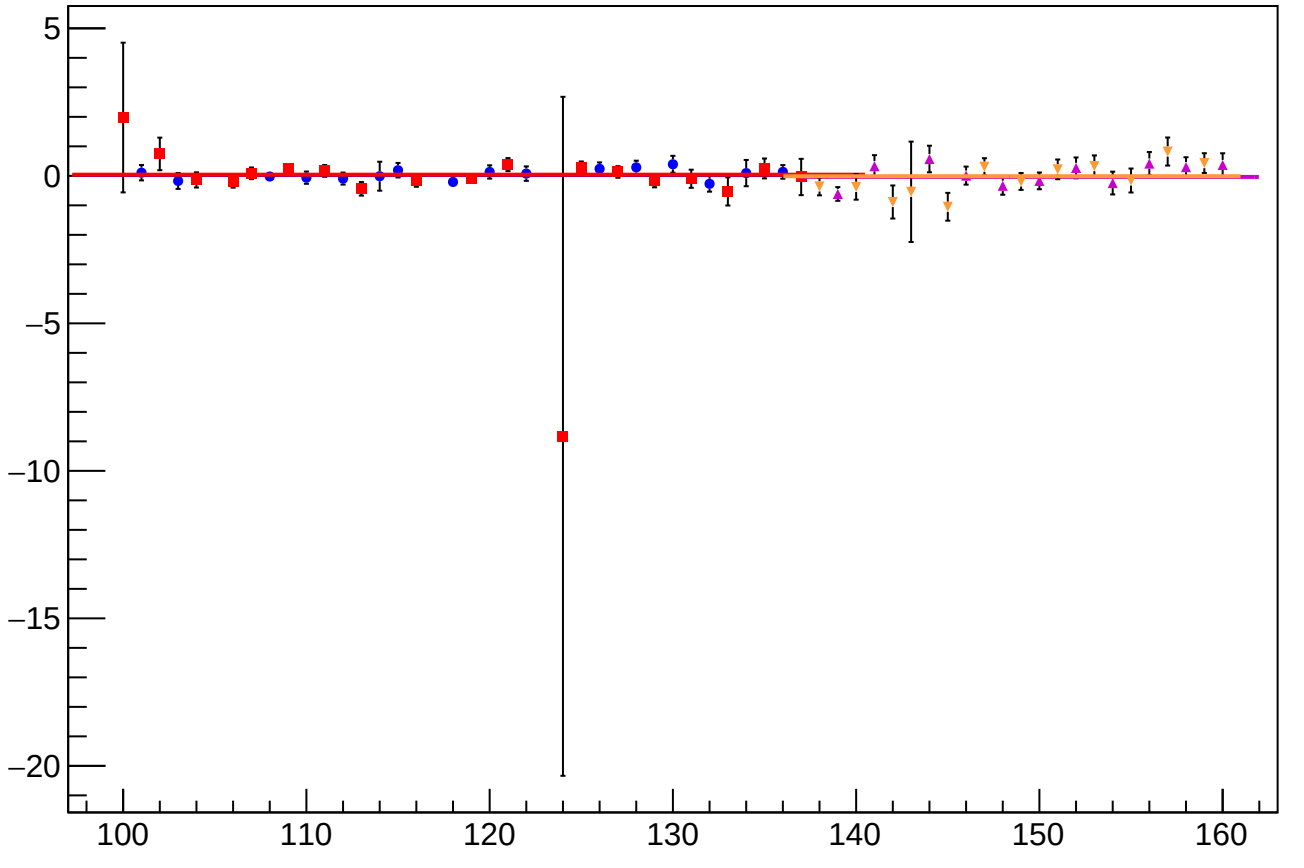
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:859505.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 4070274.2/27

All: 0.000+/-0.000 χ^2/NDF: 7498963.5/57

- 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: -0.014+/-0.109 χ^2/NDF:17.4/11

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

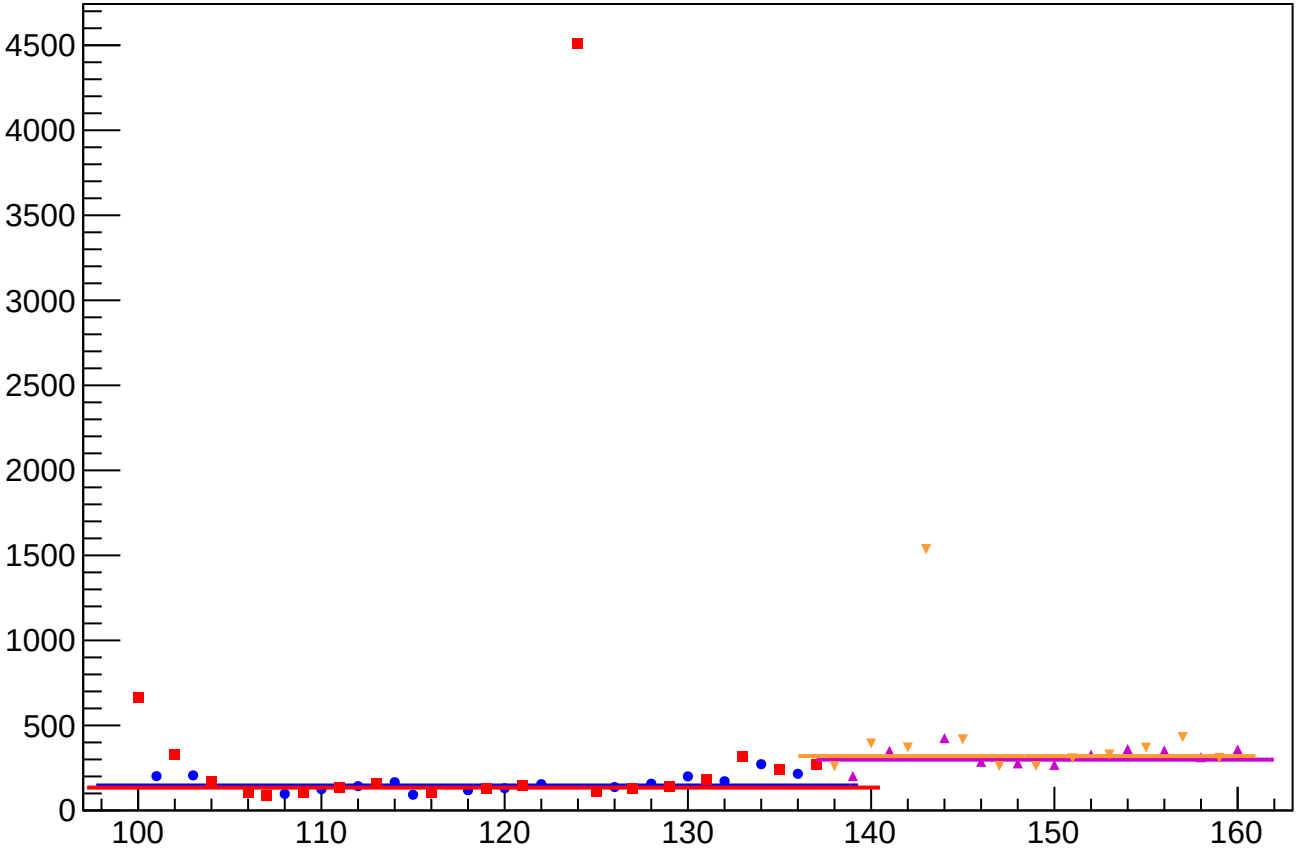
Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.020+/-0.035 χ^2/NDF: 61.9/57

- 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: 319.653+/-0.077 χ^2/NDF:1573887.6/11

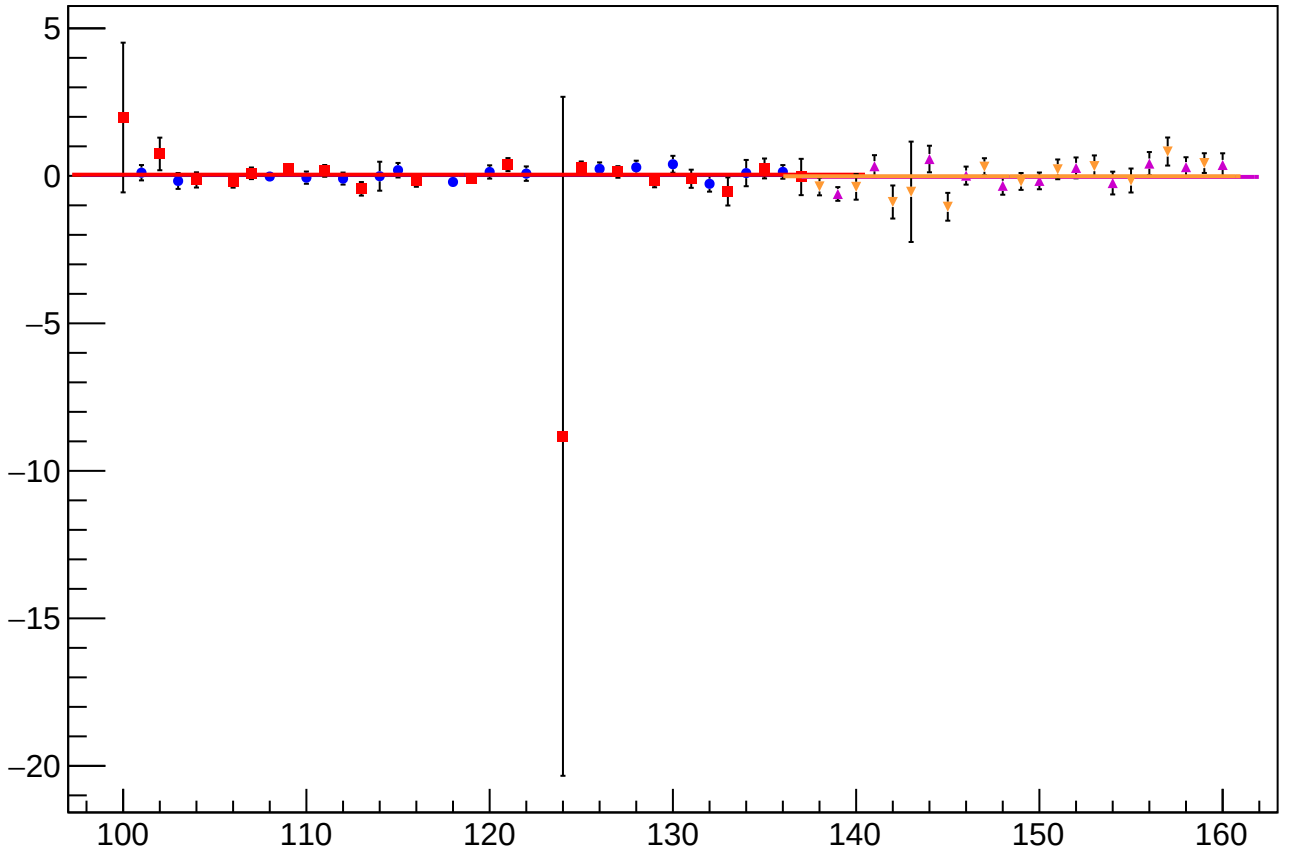
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

+ sign 184.768+/-0.036 χ^2/NDF: 6511133.0/27

All: 178.377+/-0.025 χ^2/NDF: 13092198.8/57

- 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: -0.014+/-0.109 χ^2/NDF:17.4/11

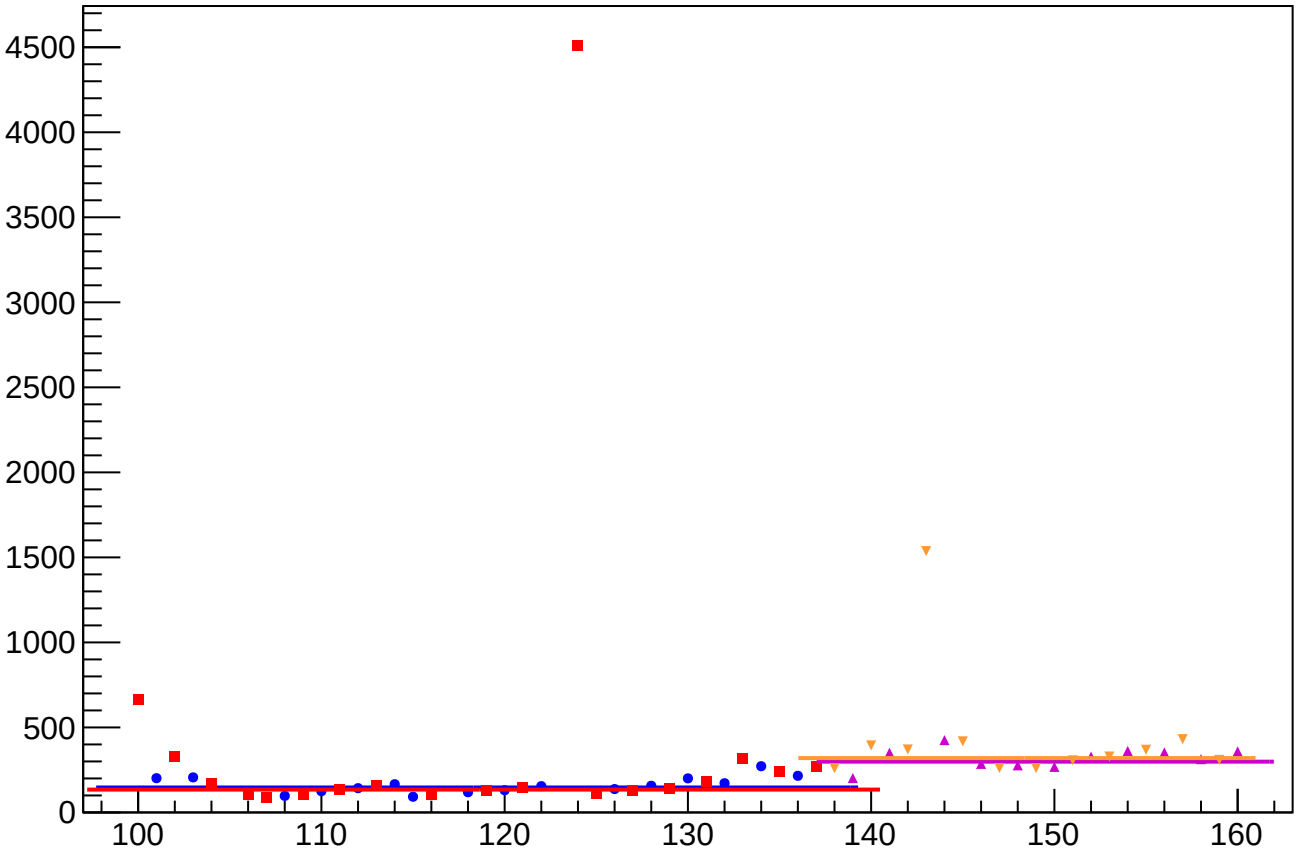
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

\+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.020+/-0.035 χ^2/NDF: 61.9/57

\- 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: 319.653+/-0.077 χ^2/NDF:1573887.6/11

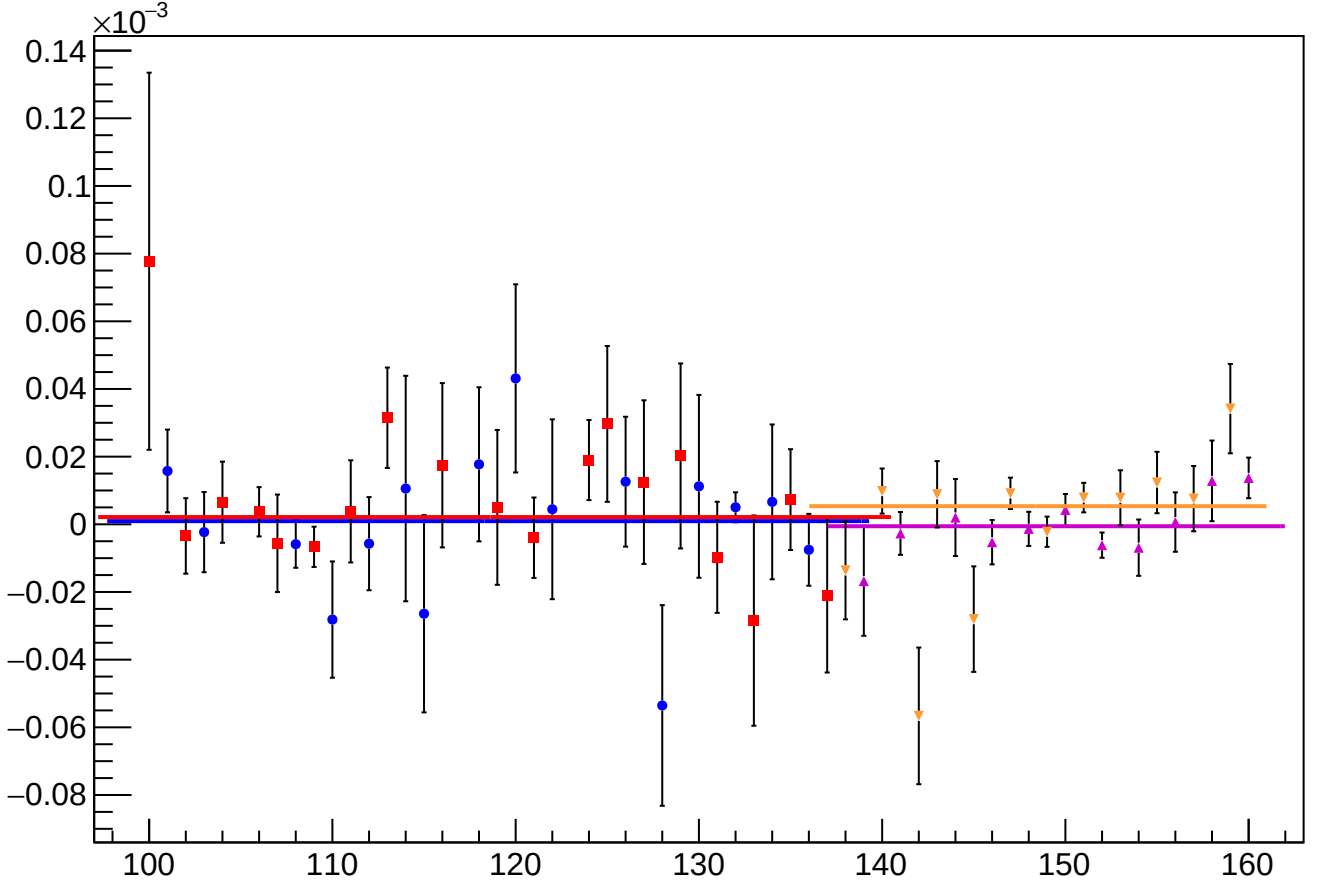
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

+ sign 184.768+/-0.036 χ^2/NDF: 6511133.0/27

All: 178.377+/-0.025 χ^2/NDF: 13092198.8/57

- 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:25.7/11

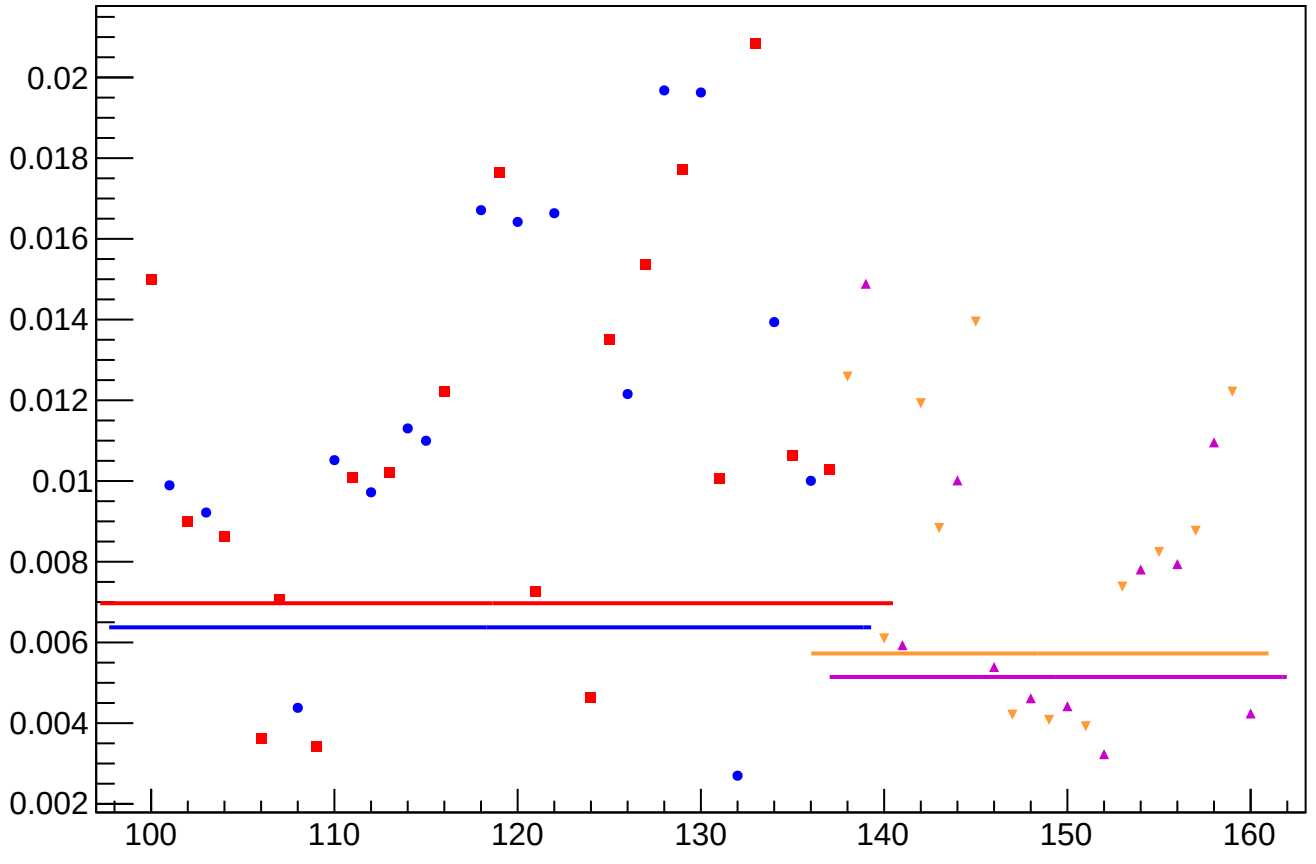
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 42.1/27

All: 0.000+/-0.000 χ^2/NDF: 73.8/57

- 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: 0.006+/-0.000 χ^2/NDF:3148839.7/11

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

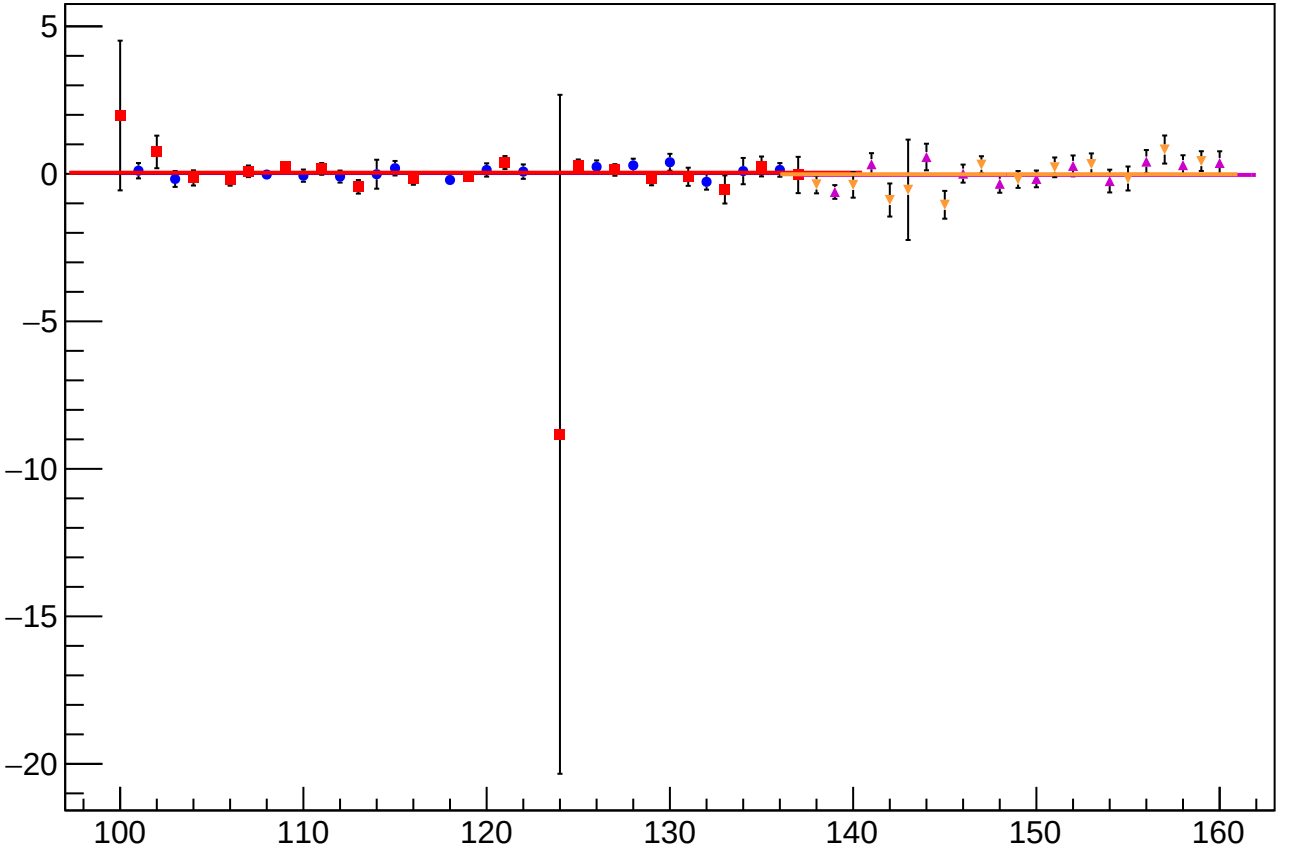
Left In: 0.005+/-0.000 χ^2/NDF:2648124.2/10

+ sign 0.006+/-0.000 χ^2/NDF: 7854201.6/27

All: 0.006+/-0.000 χ^2/NDF: 14467851.6/57

- sign 0.006+/-0.000 χ^2/NDF: 6584941.5/29

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.014+/-0.109 χ^2/NDF:17.4/11

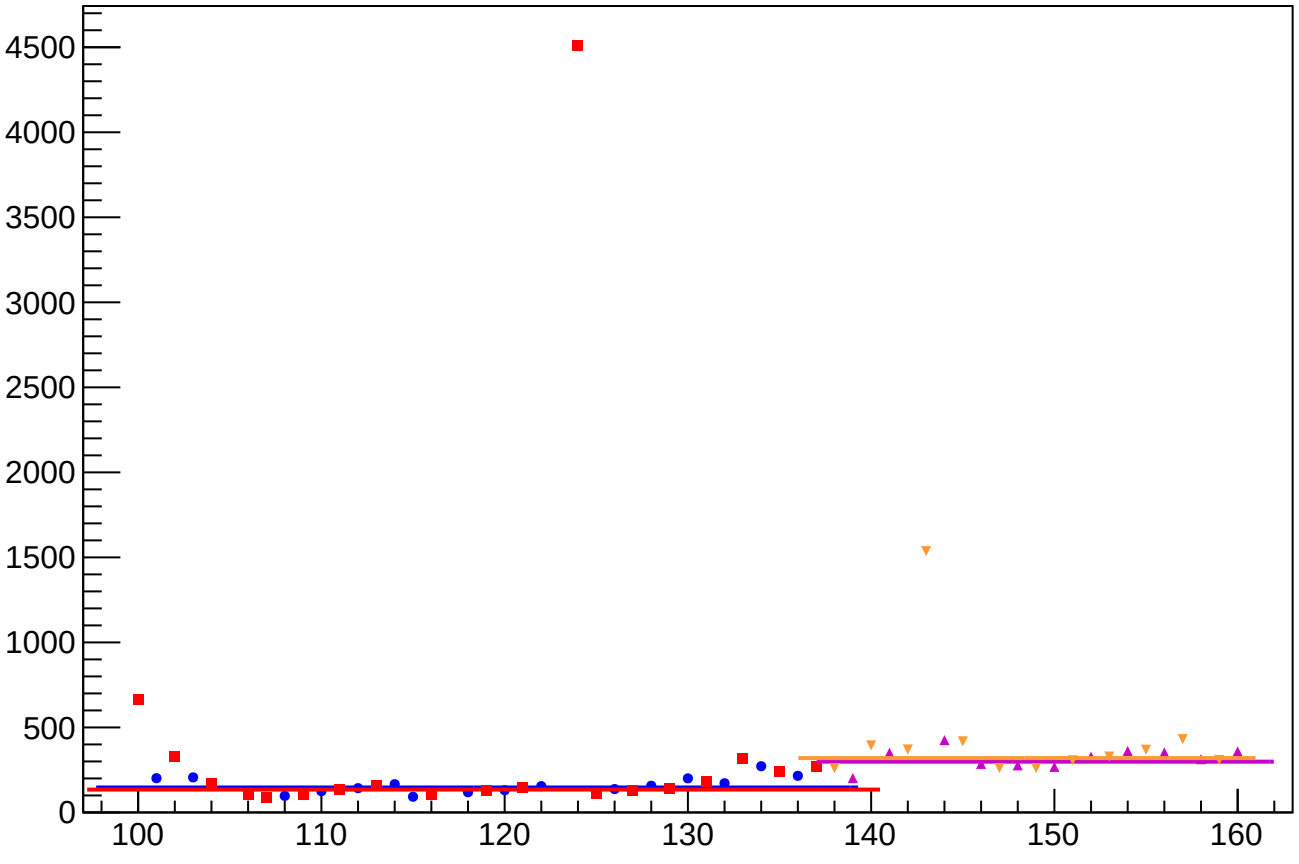
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.020+/-0.035 χ^2/NDF: 61.9/57

- 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: 319.656+/-0.077 χ^2/NDF:1573890.2/11

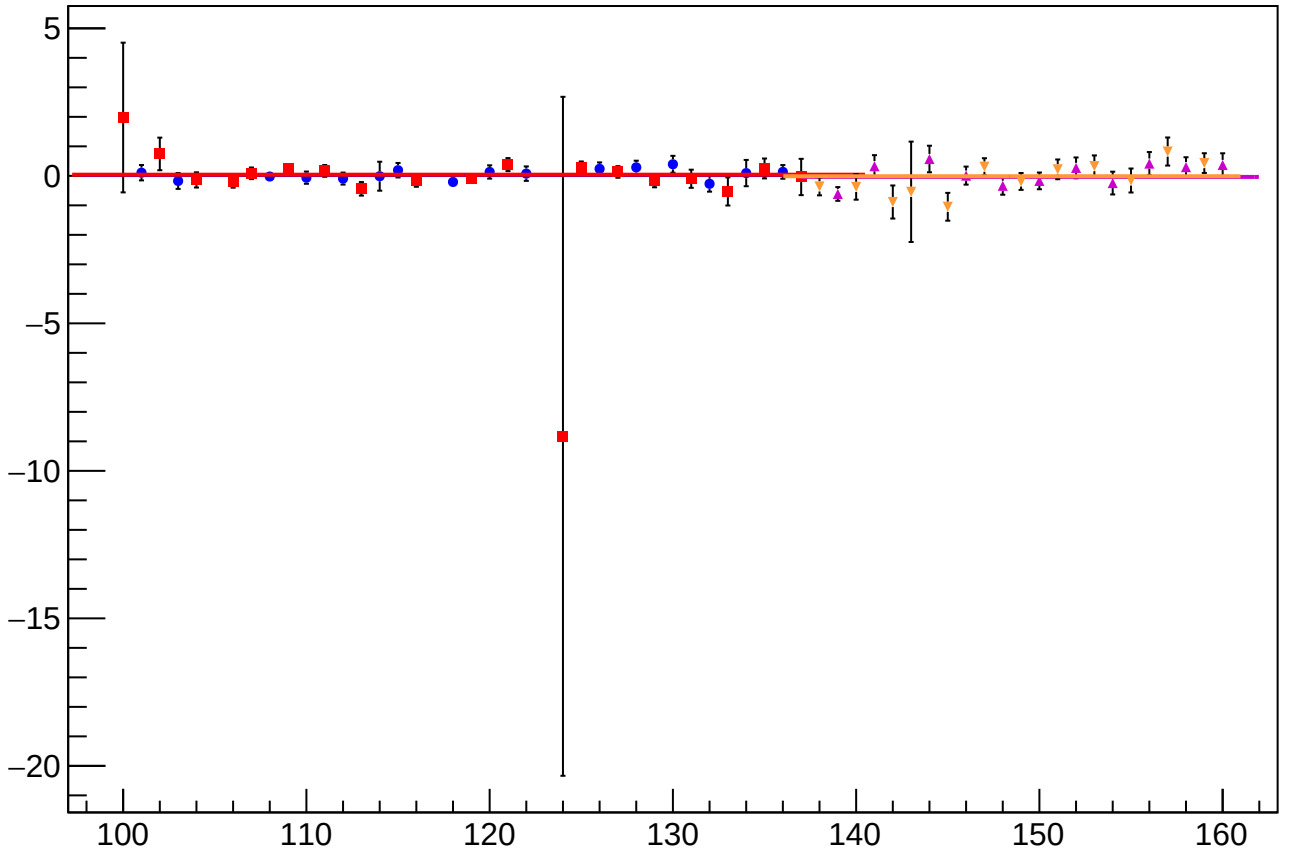
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

+ sign 184.768+/-0.036 χ^2/NDF: 6511183.9/27

All: 178.378+/-0.025 χ^2/NDF: 13092186.8/57

- 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: -0.014+/-0.109 χ^2/NDF:17.4/11

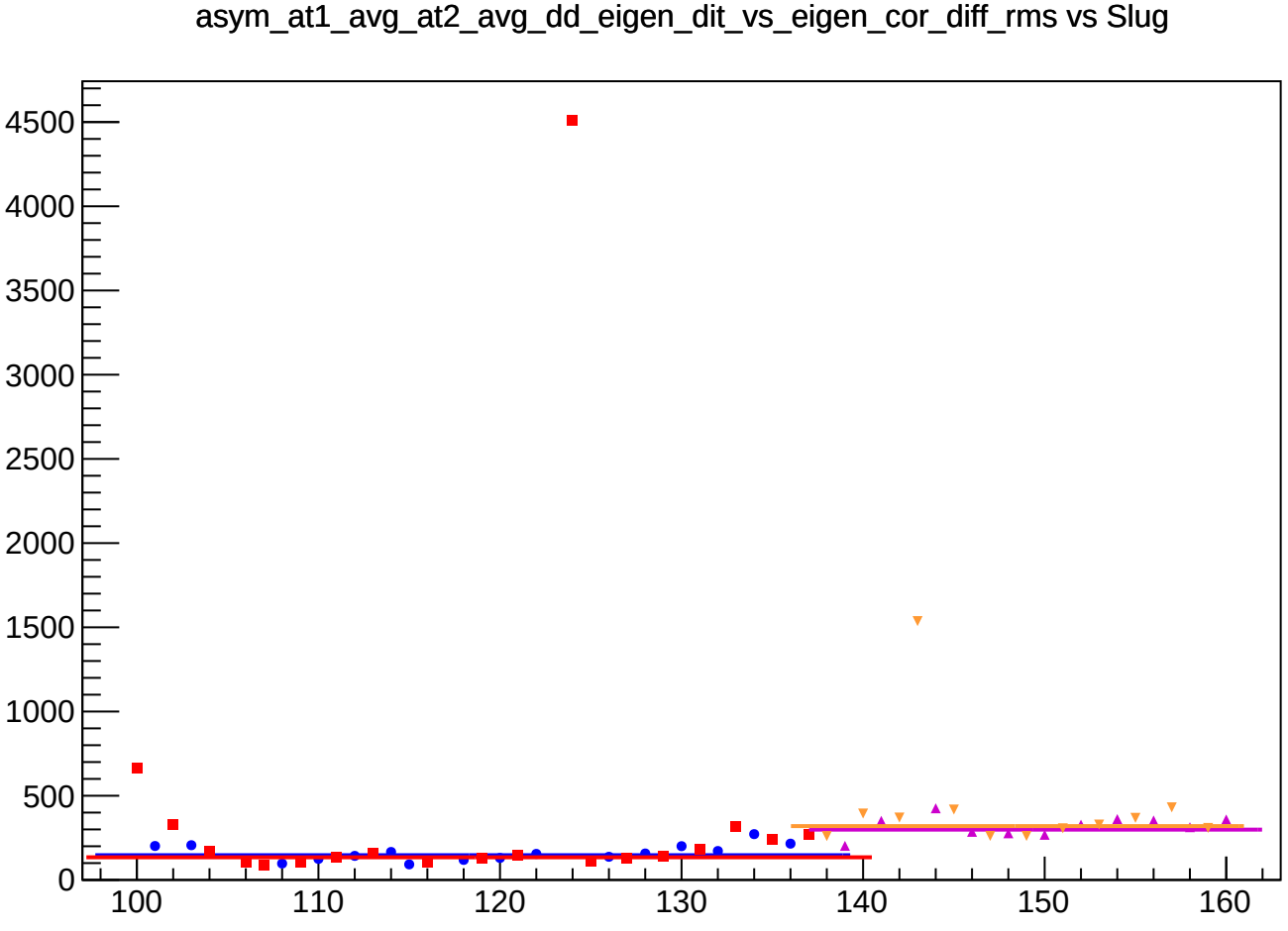
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

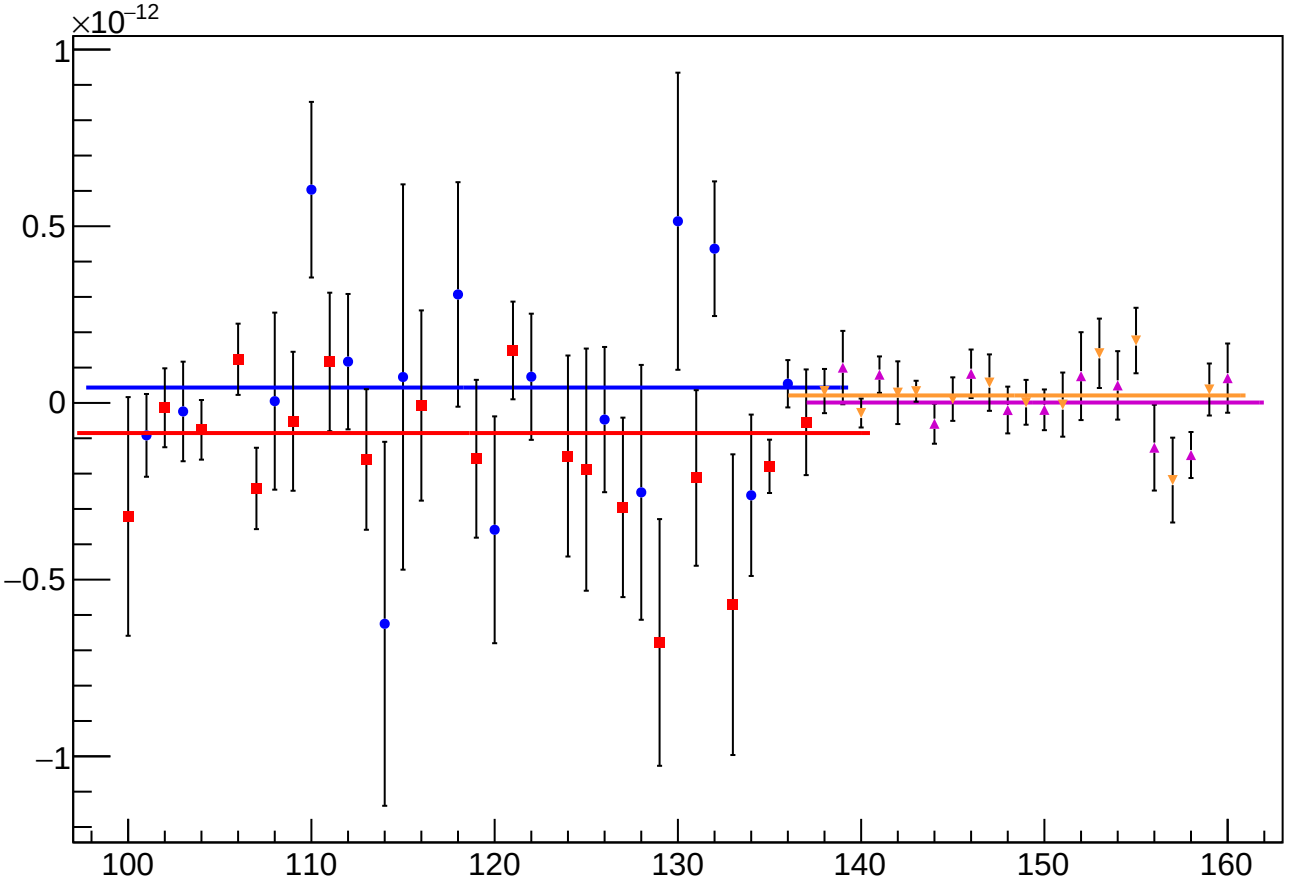
Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.020+/-0.035 χ^2/NDF: 61.9/57

- sign 0.022+/-0.048 χ^2/NDF: 35.0/29


asym_at1_avg_at2_avg_dd_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: 319.656+/-0.077 χ²/NDF:1573890.2/11
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 298.748+/-0.070 χ²/NDF:732753.4/10
+ sign 184.768+/-0.036 χ²/NDF: 6511183.9/27
All: 178.378+/-0.025 χ²/NDF: 13092186.8/57
- 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:10.4/11

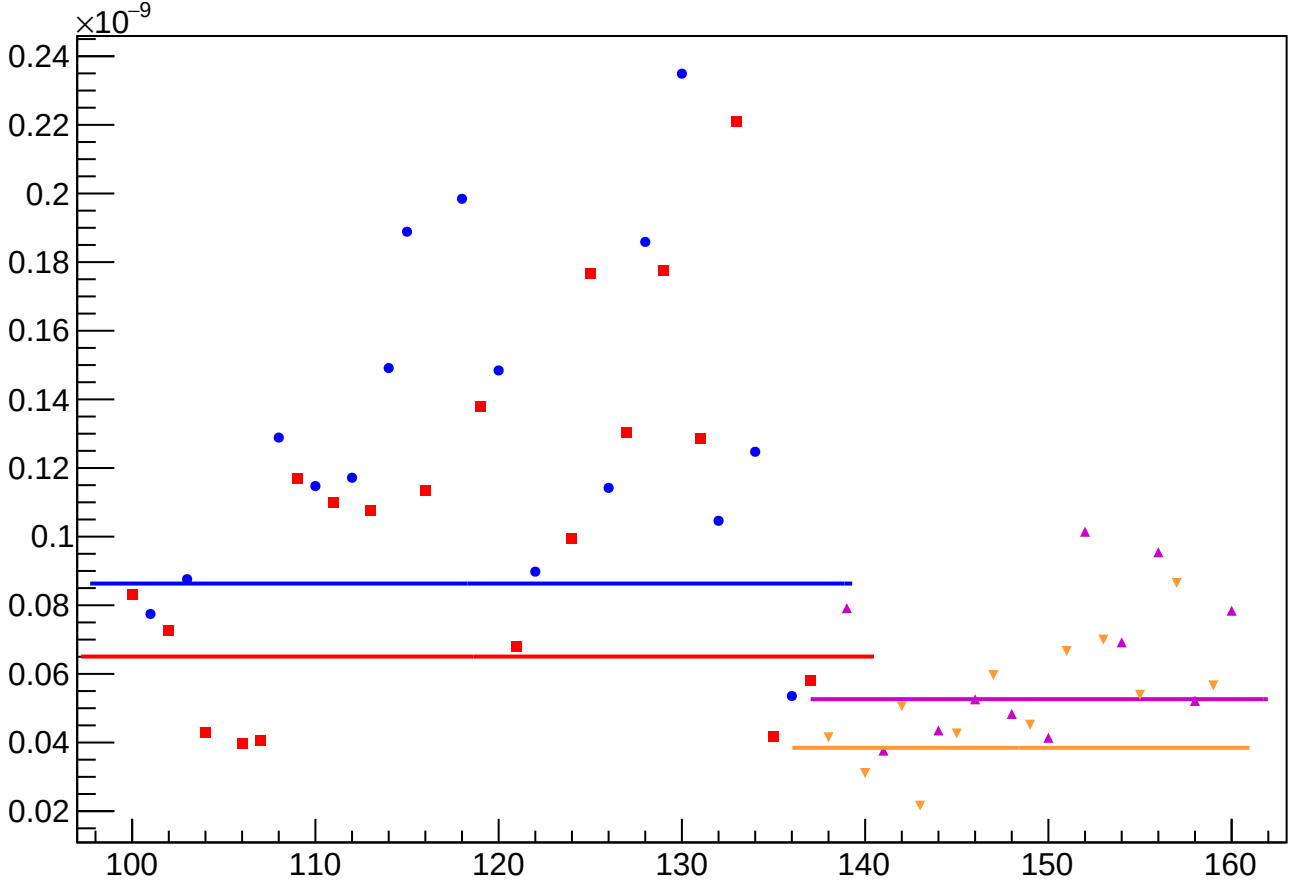
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/27

All: 0.000+/-0.000 χ^2/NDF: 69.7/57

- 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:1825264.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

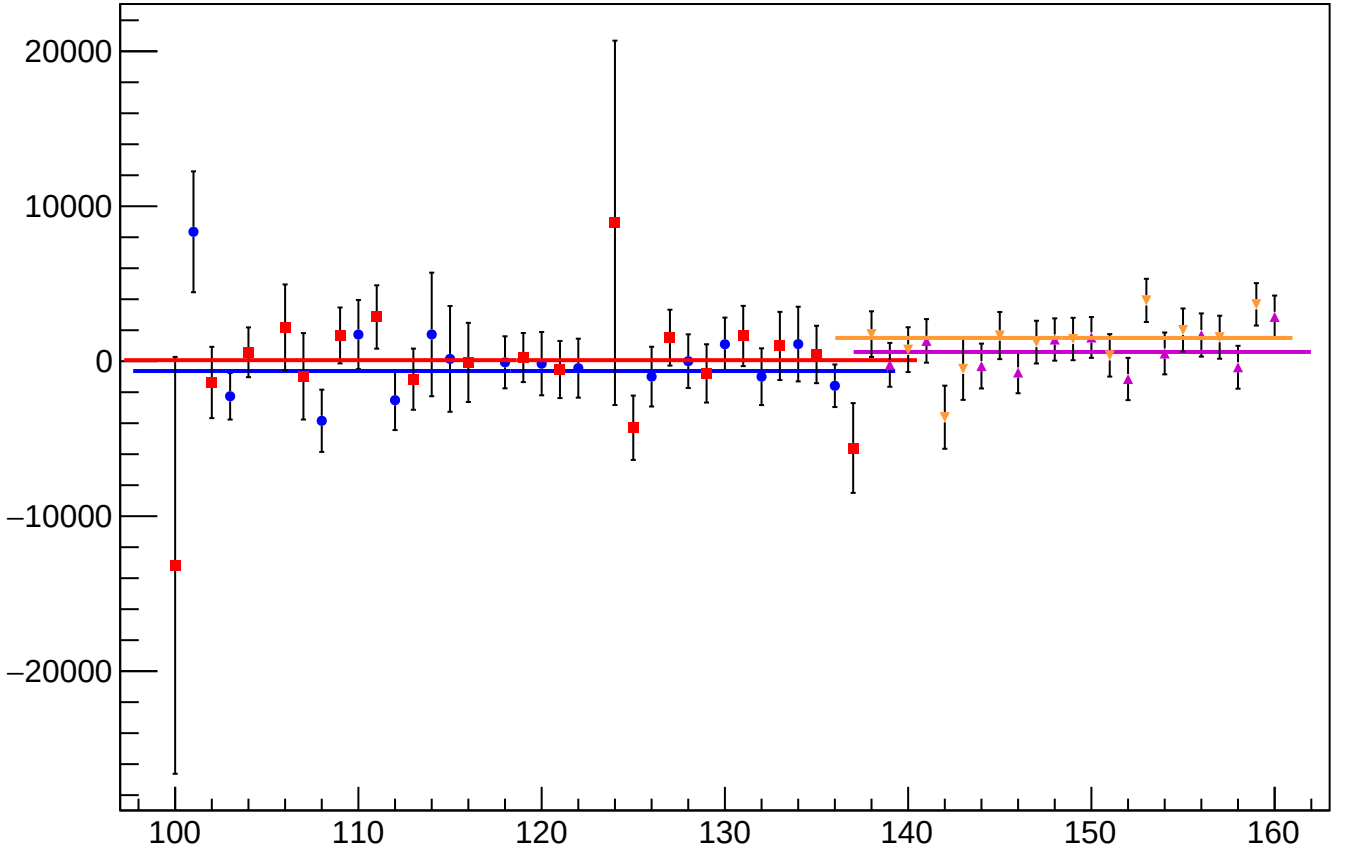
Left In: 0.000+/-0.000 χ^2/NDF:1189787.2/10

\+ sign 0.000+/-0.000 χ^2/NDF: 5550588.3/27

All: 0.000+/-0.000 χ^2/NDF: 9501466.3/57

\- sign 0.000+/-0.000 χ^2/NDF: 3535713.4/29

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1502.699+/-424.834 χ^2/NDF:14.0/11

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

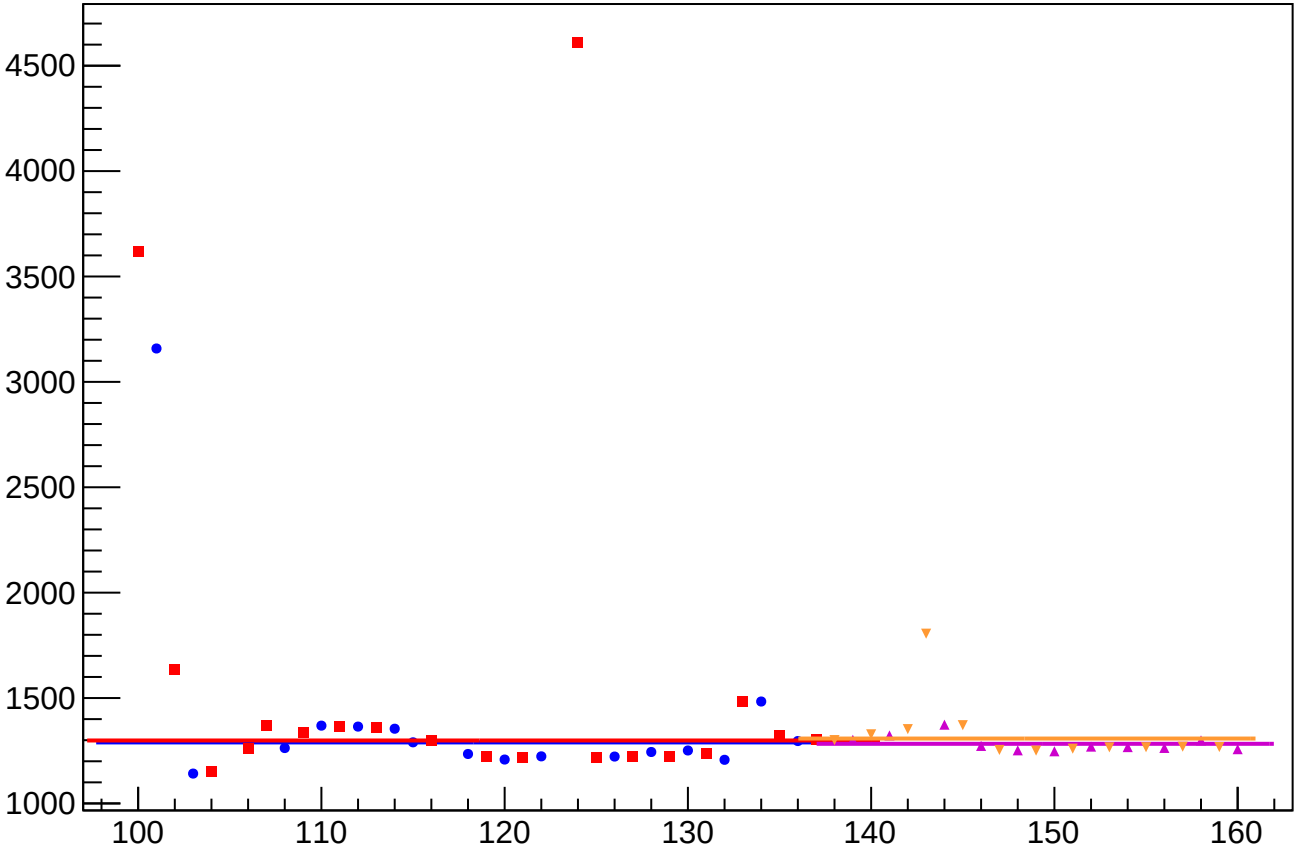
Left In: 597.367+/-415.077 χ^2/NDF:8.3/10

+ sign 584.197+/-320.611 χ^2/NDF: 38.8/27

All: 478.057+/-225.098 χ^2/NDF: 63.8/57

- 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: 1307.827+/-0.300 χ^2/NDF:144665.3/11

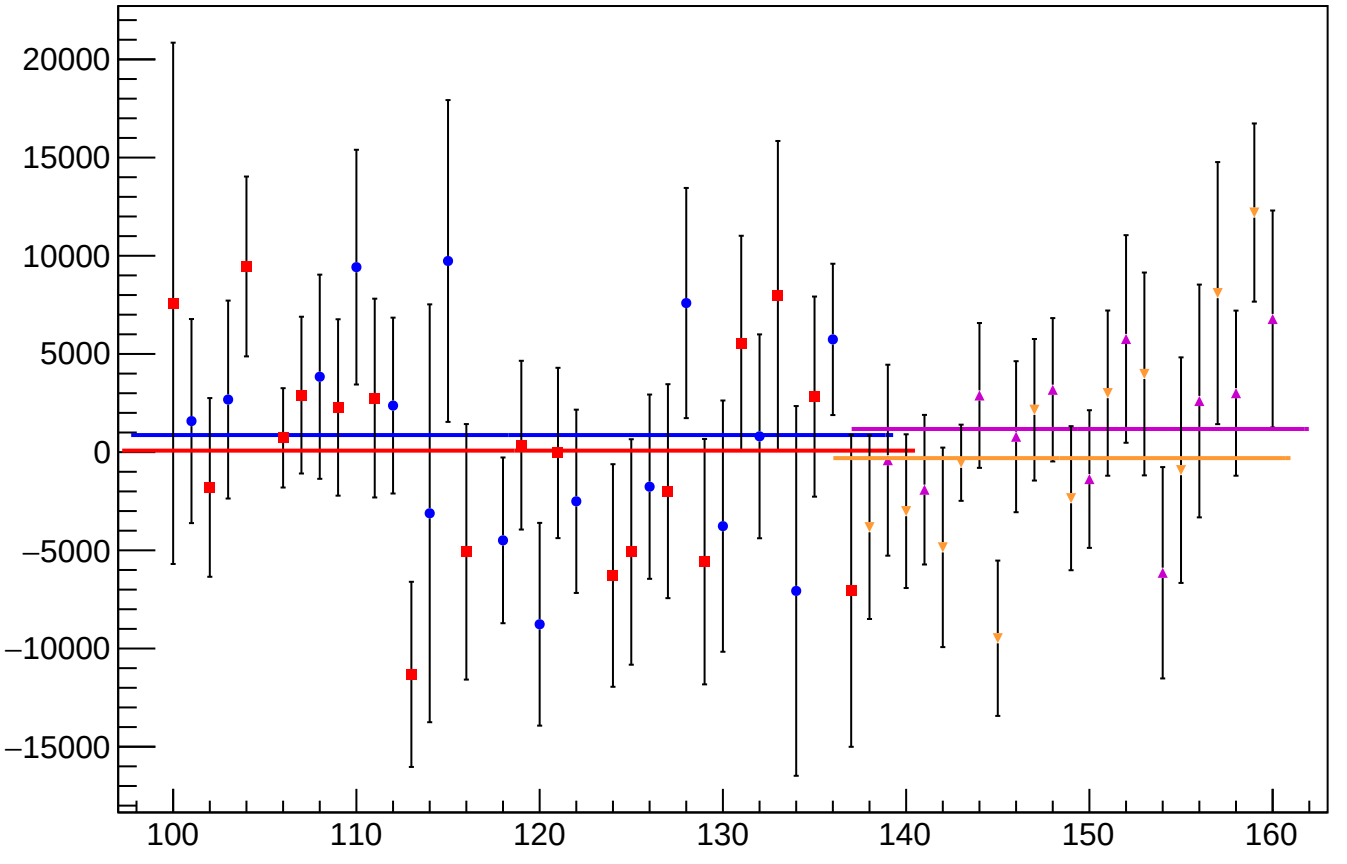
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1299.924+/-0.227 χ^2/NDF: 660948.5/27

All: 1294.642+/-0.159 χ^2/NDF: 996833.4/57

- 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: -303.733+/-1100.139 χ^2/NDF:18.5/11

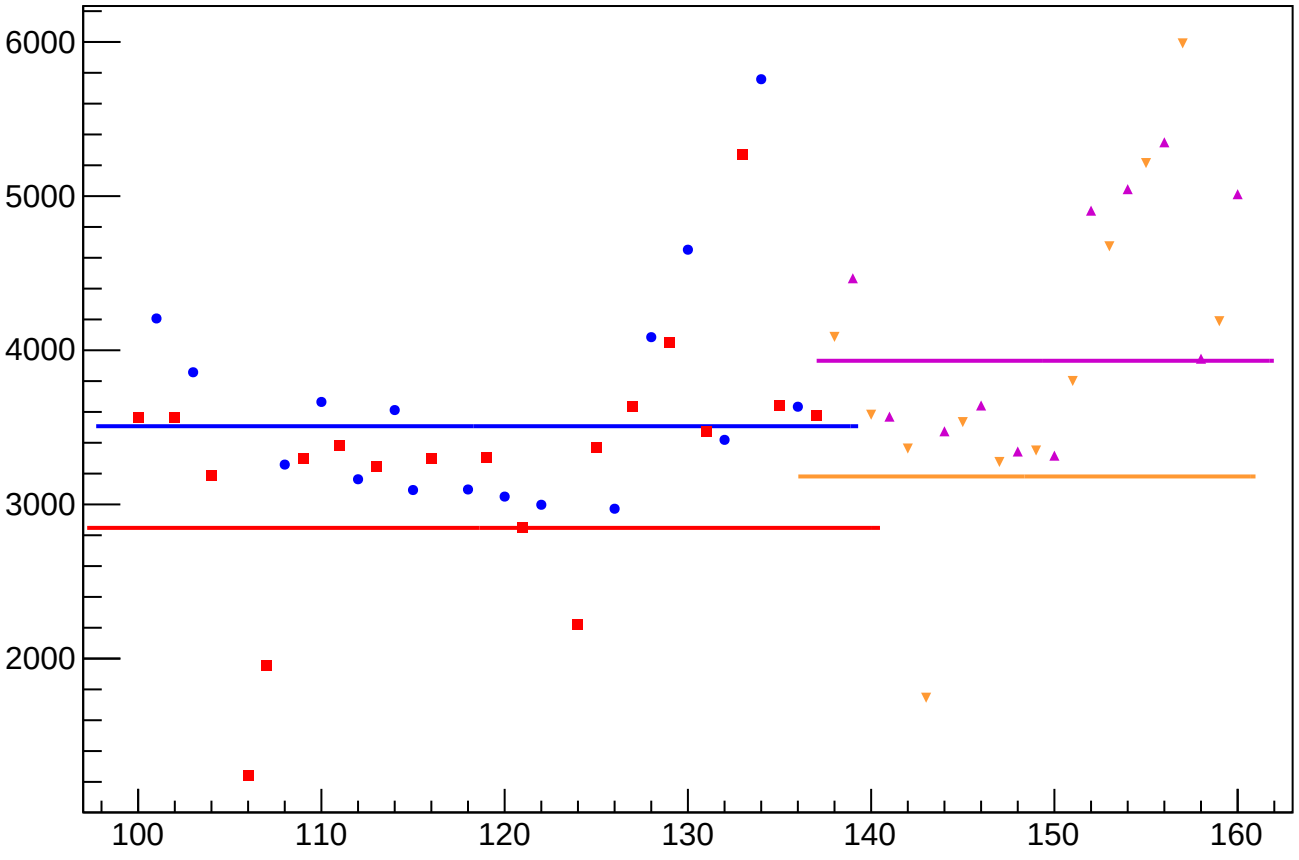
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 1178.736+/-1294.234 χ^2/NDF:5.7/10

+ sign 175.233+/-846.487 χ^2/NDF: 33.0/27

All: 360.693+/-597.332 χ^2/NDF: 57.6/57

- 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: 3181.363+/-0.778 χ^2/NDF:2129386.8/11

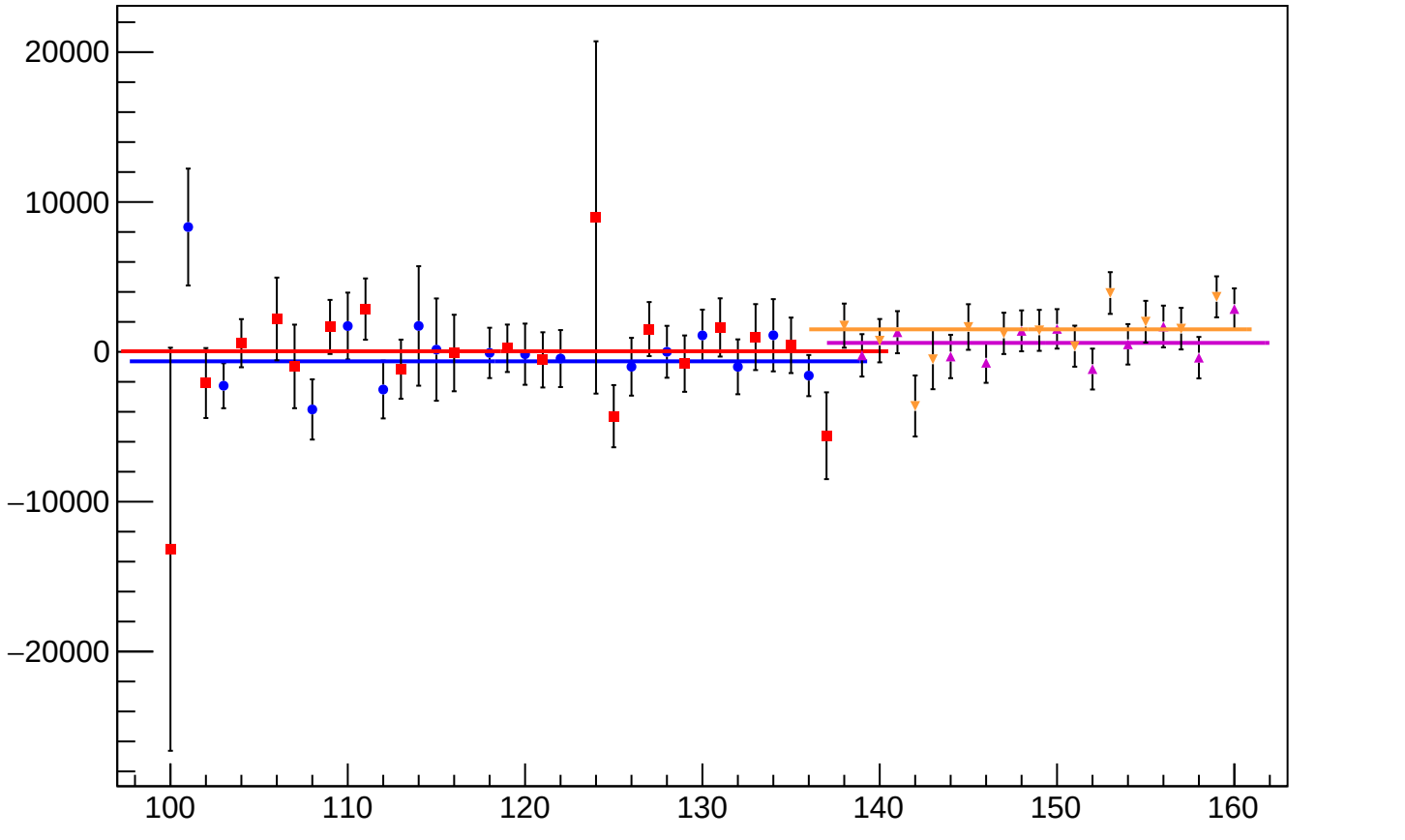
Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3931.901+/-0.915 χ^2/NDF:542555.0/10

+ sign 3314.375+/-0.599 χ^2/NDF: 2555027.4/27

All: 3311.070+/-0.422 χ^2/NDF: 5404847.5/57

- 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: 1502.709+/-424.834 χ^2/NDF:14.0/11

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

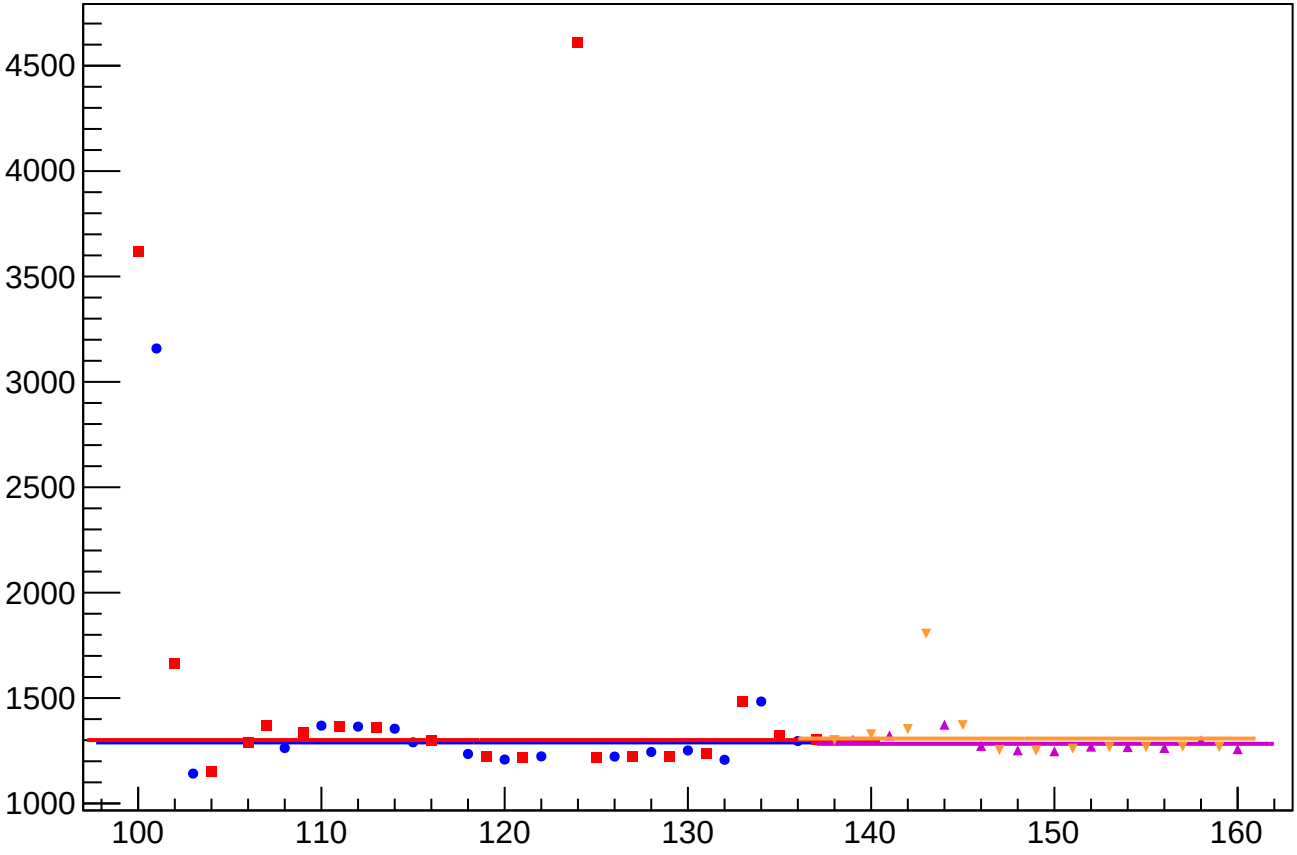
Left In: 597.365+/-415.077 χ^2/NDF:8.3/10

\+ sign 584.037+/-320.611 χ^2/NDF: 38.7/27

All: 471.919+/-225.130 χ^2/NDF: 64.4/57

\- 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: 1307.827+/-0.300 χ^2/NDF:144665.3/11

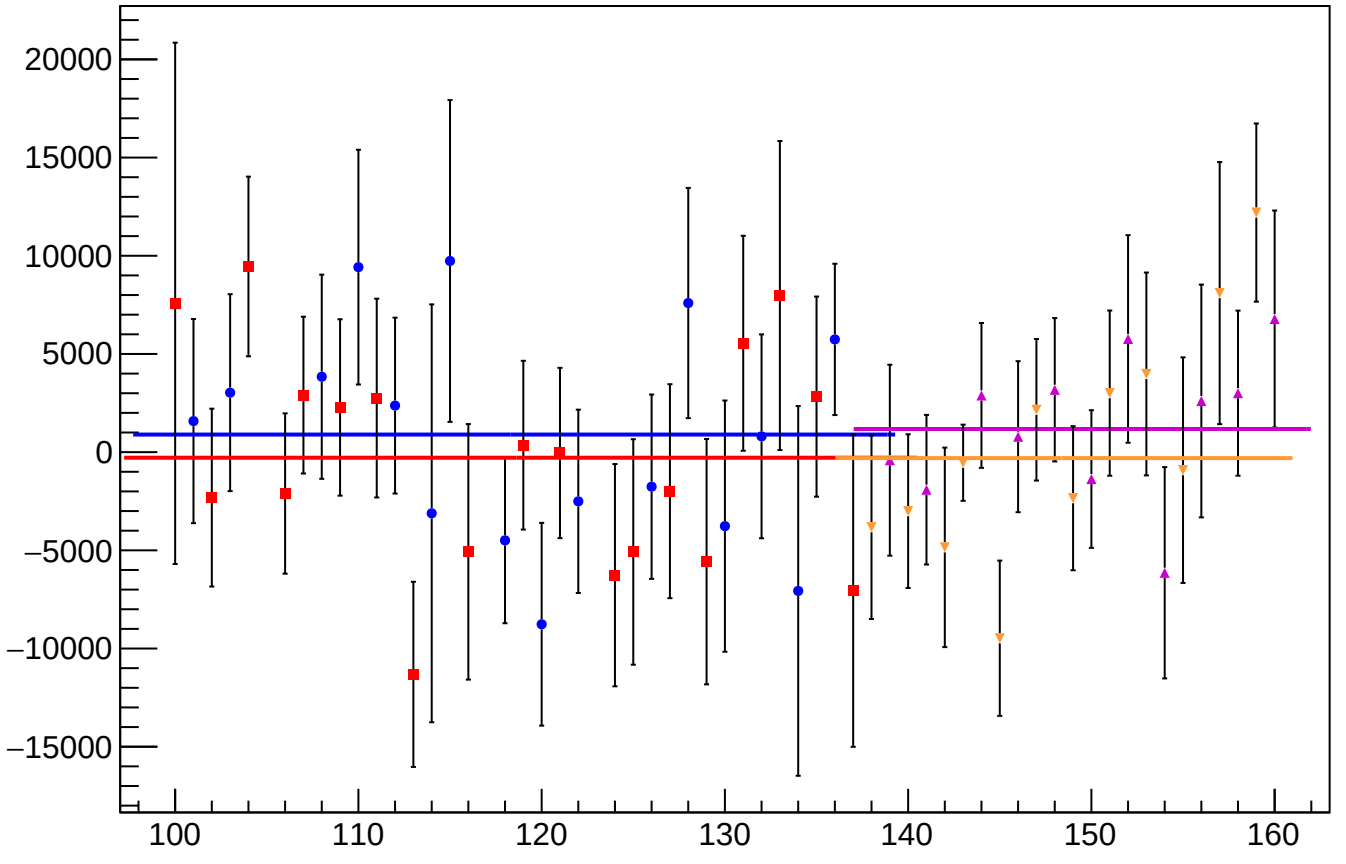
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1299.923+/-0.227 χ^2/NDF: 660950.0/27

All: 1295.073+/-0.159 χ^2/NDF: 1003531.9/57

- 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: -303.634+/-1100.137 χ^2/NDF:18.5/11

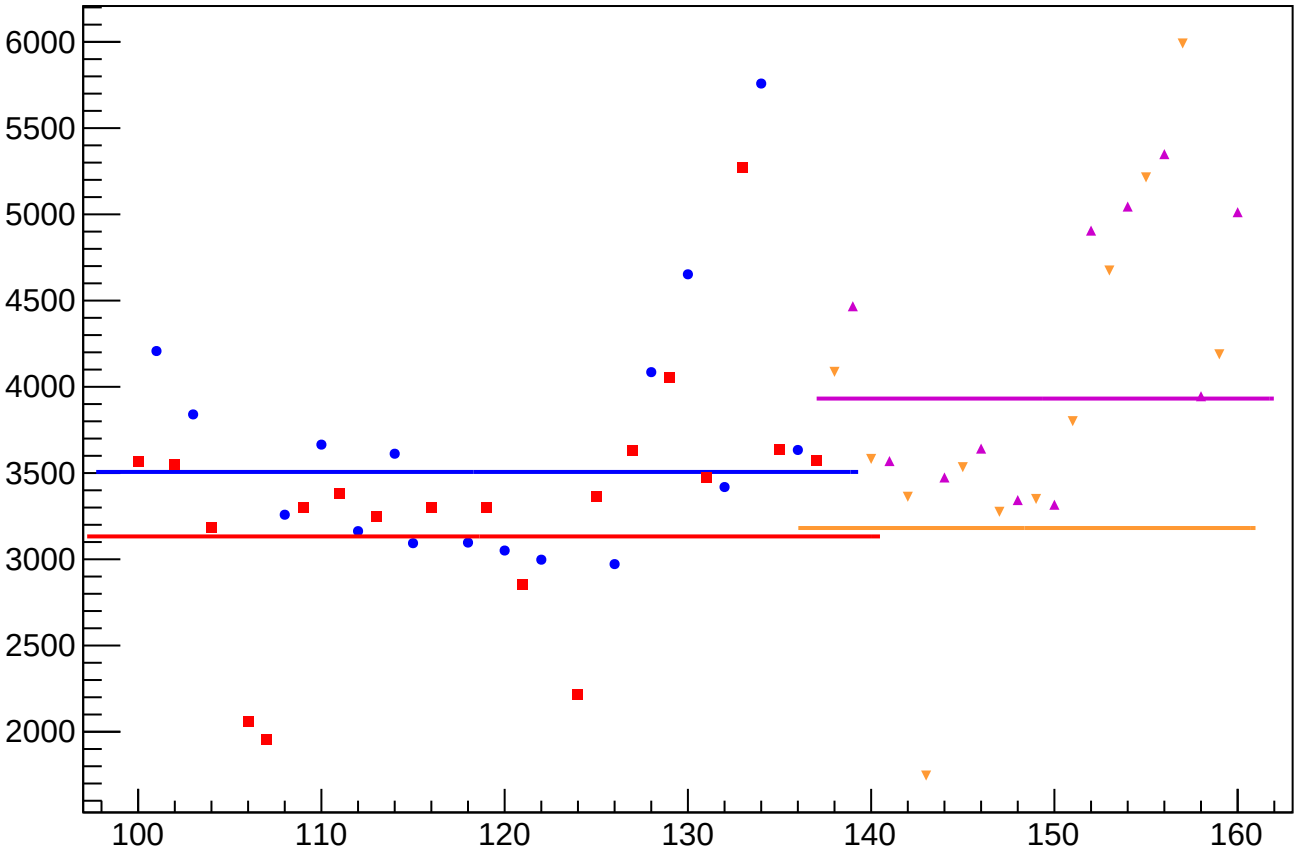
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 1178.797+/-1294.233 χ^2/NDF:5.7/10

+ sign 185.983+/-846.367 χ^2/NDF: 33.1/27

All: 280.914+/-607.756 χ^2/NDF: 58.1/57

- 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: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

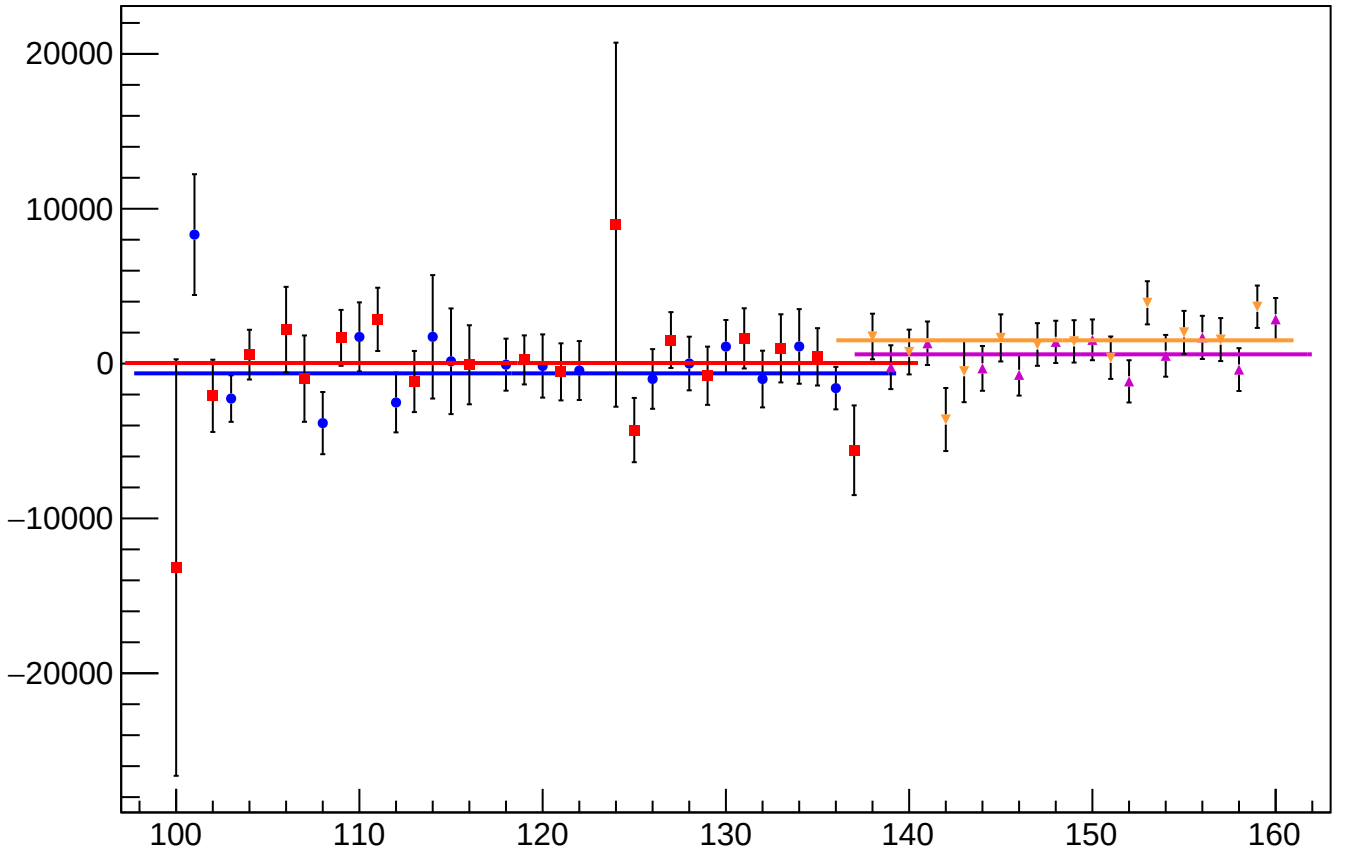
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

+ sign 3314.050+/-0.598 χ^2/NDF: 2553941.2/27

All: 3402.413+/-0.430 χ^2/NDF: 4206666.7/57

- 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: 1502.709+/-424.834 χ^2/NDF:14.0/11

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

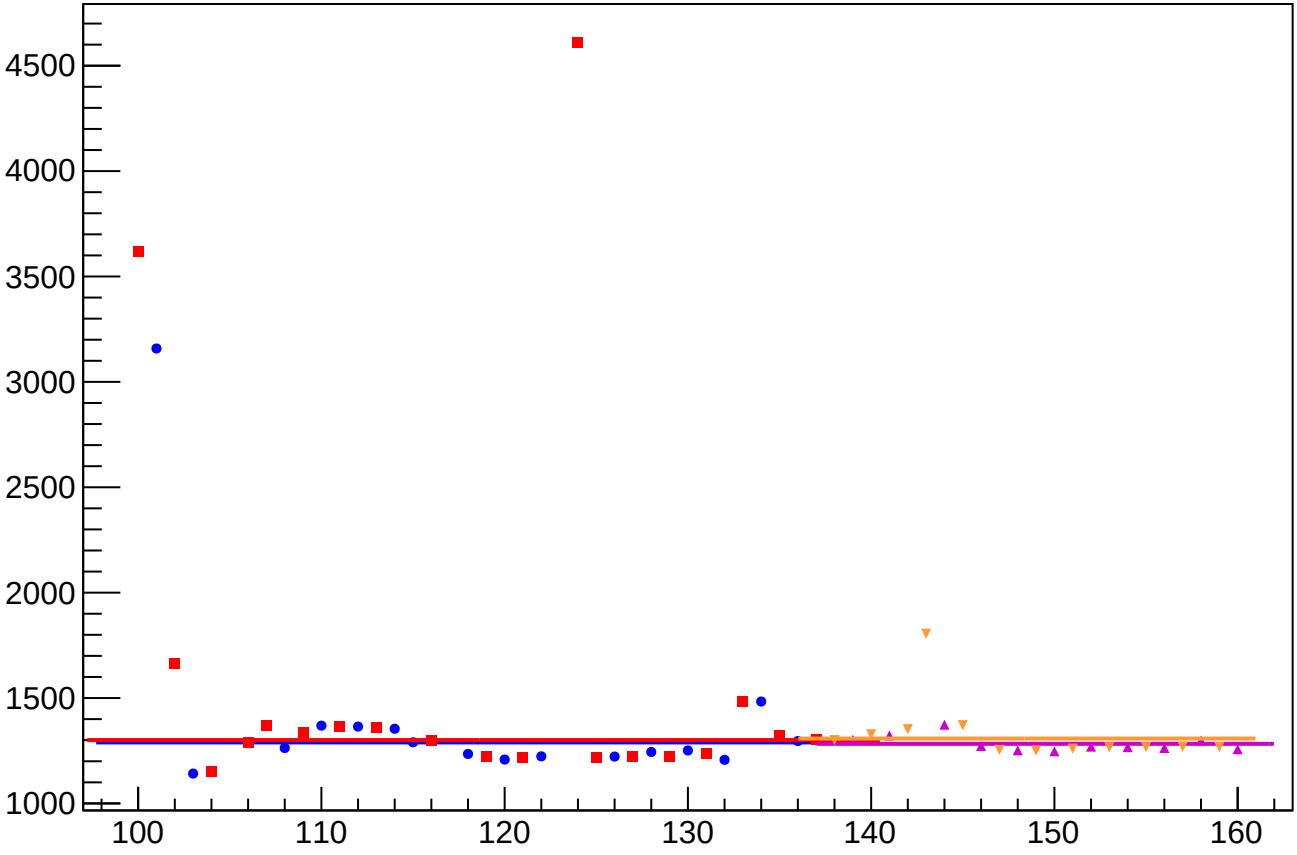
Left In: 597.365+/-415.077 χ^2/NDF:8.3/10

+ sign 584.037+/-320.611 χ^2/NDF: 38.7/27

All: 471.919+/-225.130 χ^2/NDF: 64.4/57

- 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: 1307.827+/-0.300 χ^2/NDF:144665.3/11

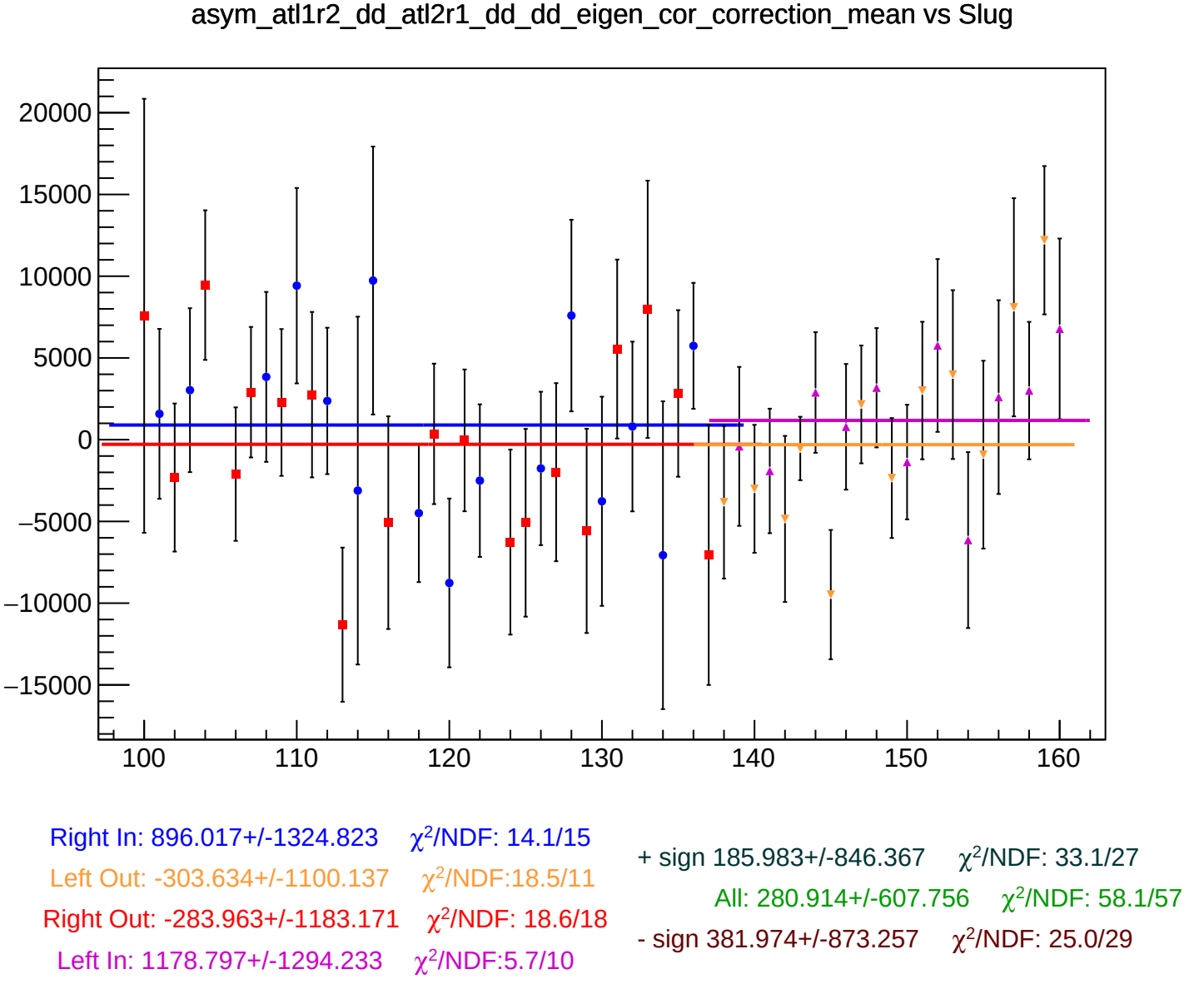
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

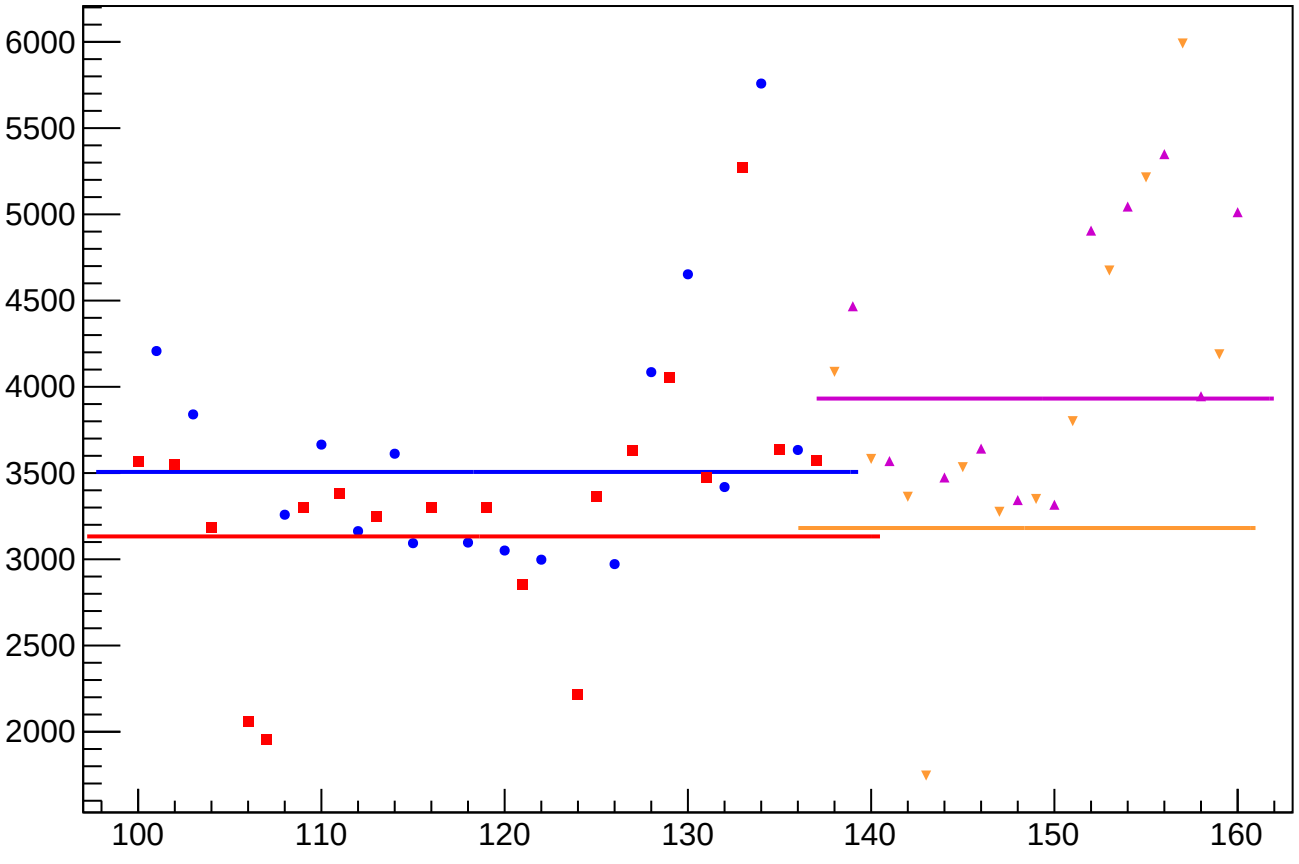
Left In: 1282.869+/-0.294 χ^2/NDF:14222.3/10

+ sign 1299.923+/-0.227 χ^2/NDF: 660950.0/27

All: 1295.073+/-0.159 χ^2/NDF: 1003531.9/57

- 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: -303.634+/-1100.137 χ²/NDF:18.5/11
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 1178.797+/-1294.233 χ²/NDF:5.7/10
+ sign 185.983+/-846.367 χ²/NDF: 33.1/27
All: 280.914+/-607.756 χ²/NDF: 58.1/57
- sign 381.974+/-873.257 χ²/NDF: 25.0/29



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3181.353+/-0.778 χ^2/NDF:2129409.2/11

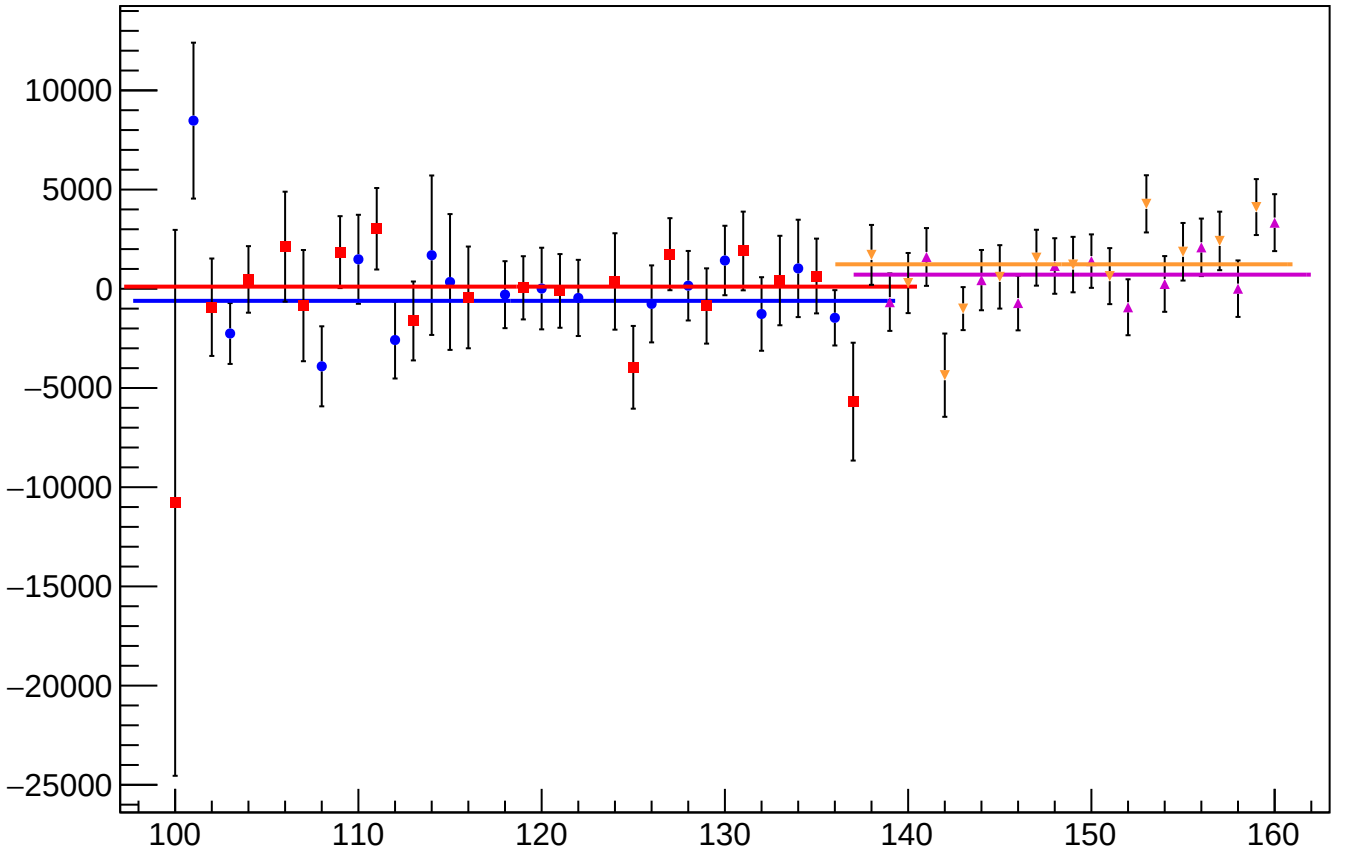
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3931.897+/-0.915 χ^2/NDF:542555.5/10

\+ sign 3314.050+/-0.598 χ^2/NDF: 2553941.2/27

All: 3402.413+/-0.430 χ^2/NDF: 4206666.7/57

\- 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: 1234.281+/-415.913 χ^2/NDF:21.7/11

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

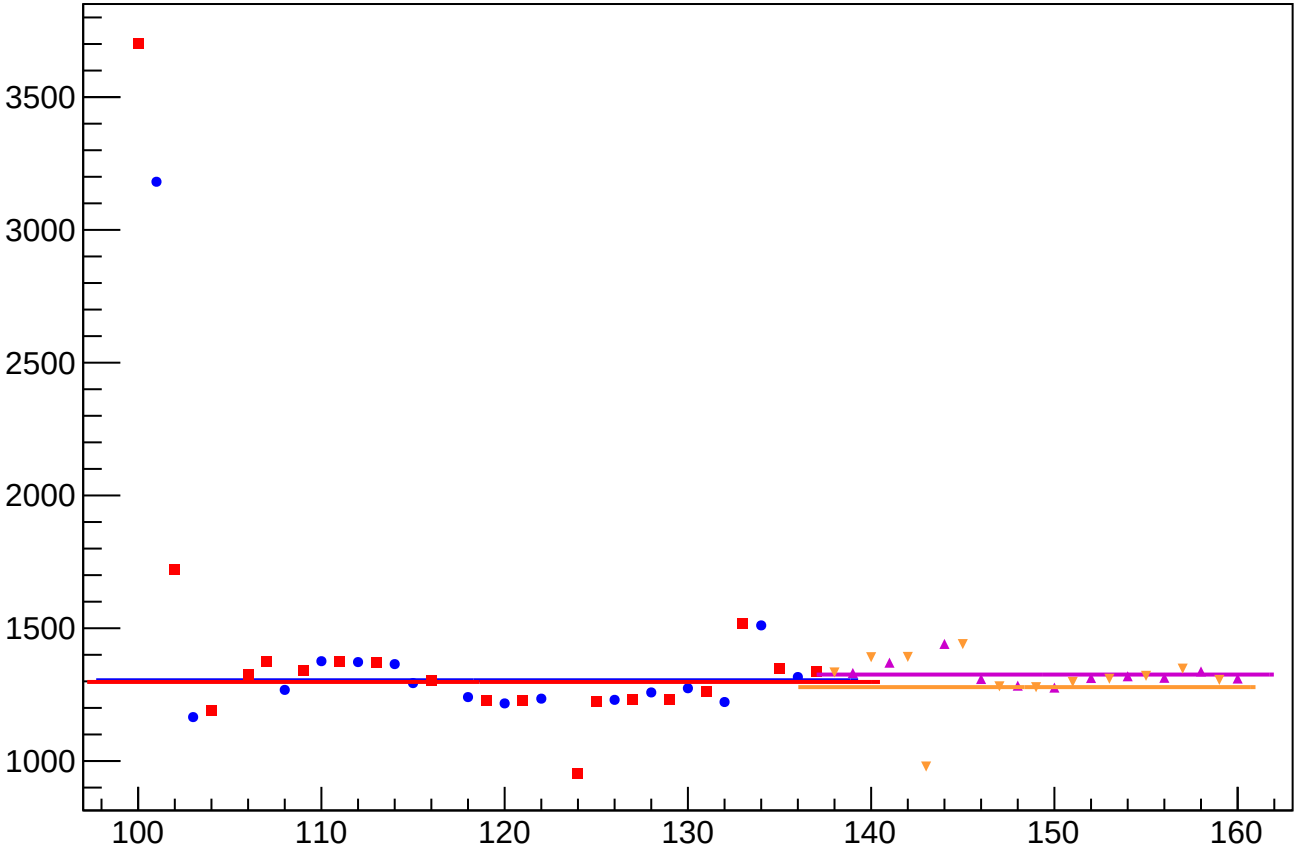
Left In: 712.705+/-428.982 χ^2/NDF:8.7/10

\+ sign 470.486+/-318.213 χ^2/NDF: 43.9/27

All: 459.301+/-226.158 χ^2/NDF: 68.4/57

\- 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: 1278.303+/-0.294 χ^2/NDF:200587.6/11

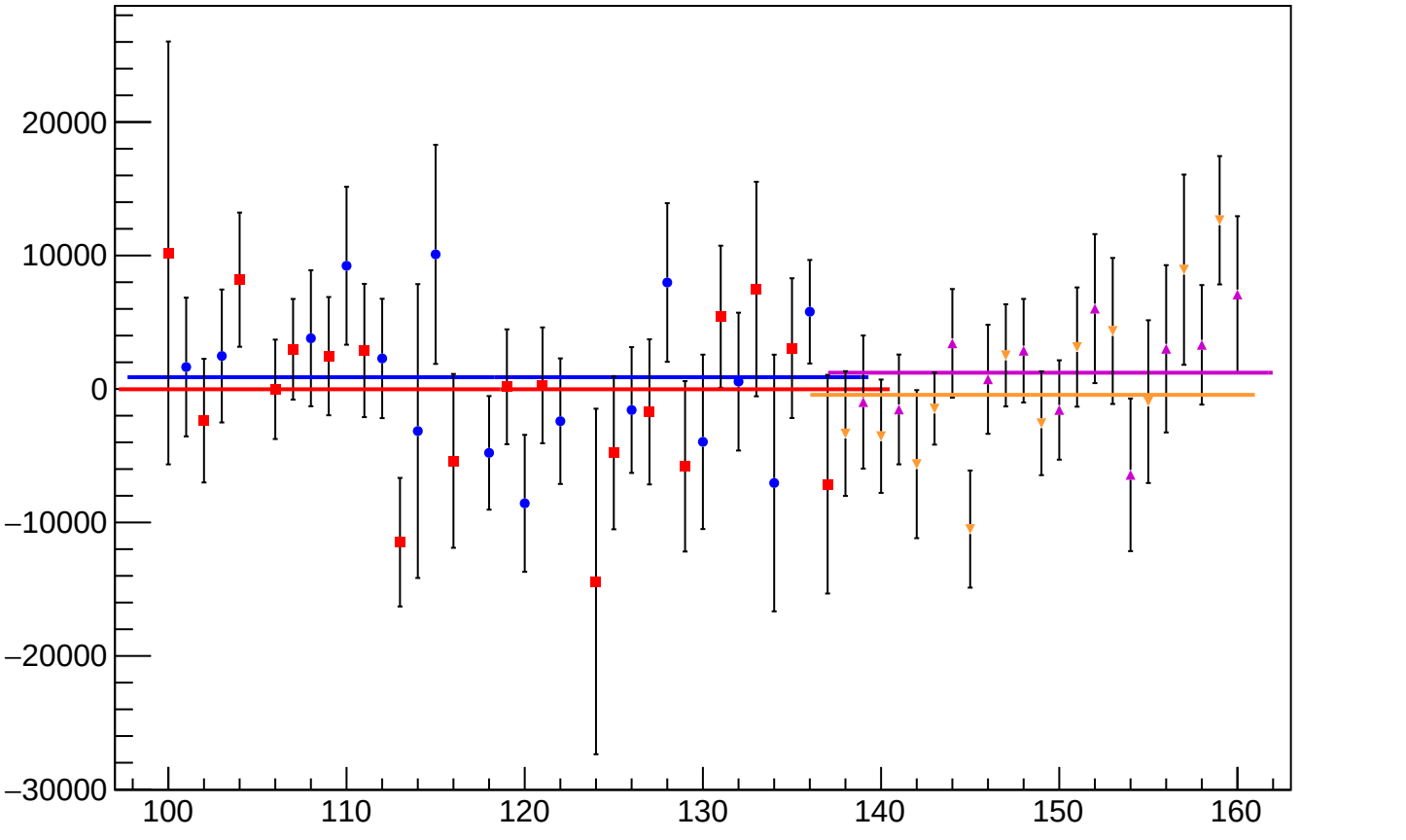
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.597+/-0.303 χ^2/NDF:18904.0/10

+ sign 1289.000+/-0.225 χ^2/NDF: 714367.9/27

All: 1301.079+/-0.160 χ^2/NDF: 955875.4/57

- 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: -439.004+/-1258.889 χ^2/NDF:18.6/11

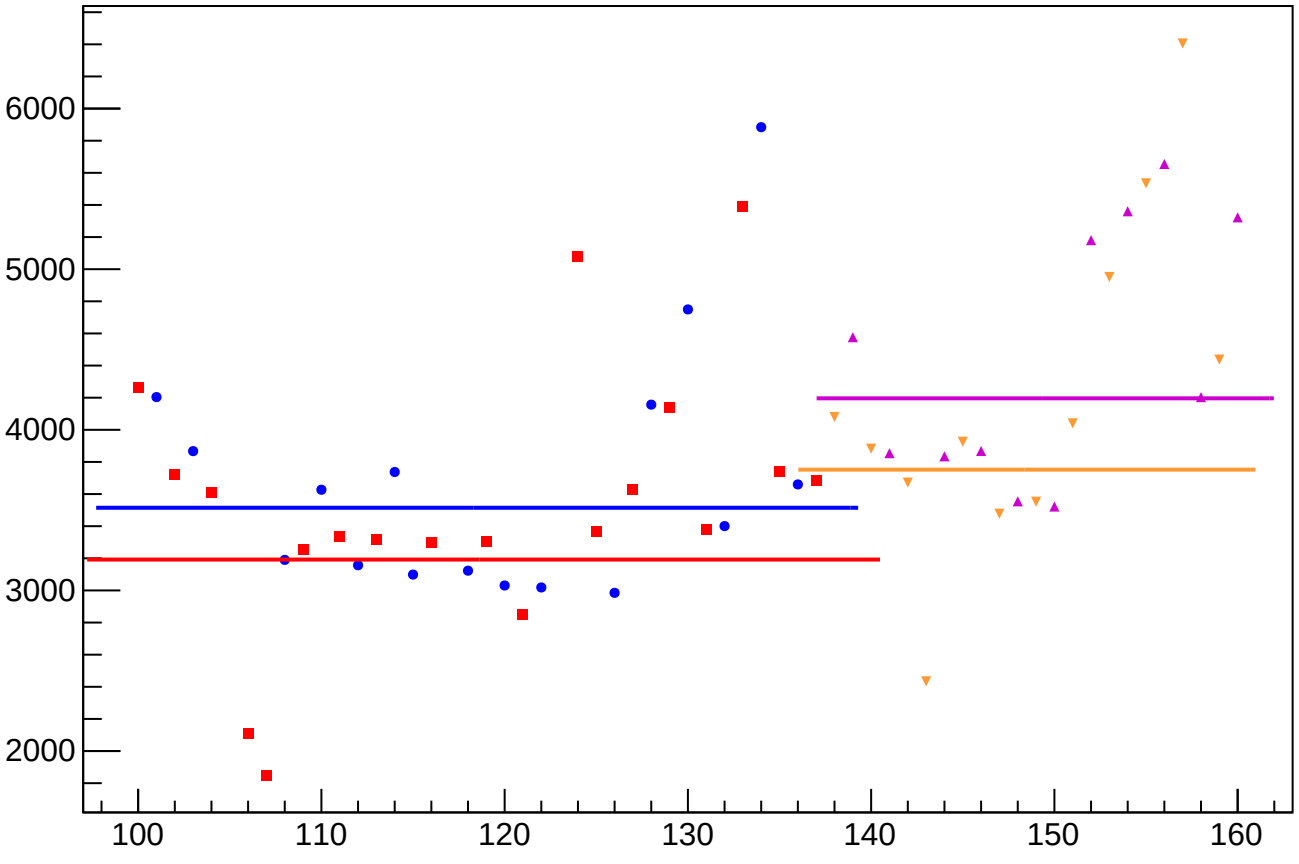
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 1220.374+/-1379.867 χ^2/NDF:5.5/10

\+ sign 187.504+/-913.429 χ^2/NDF: 33.3/27

All: 352.048+/-643.068 χ^2/NDF: 56.2/57

\- 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: 3752.024+/-0.890 χ^2/NDF:1101737.2/11

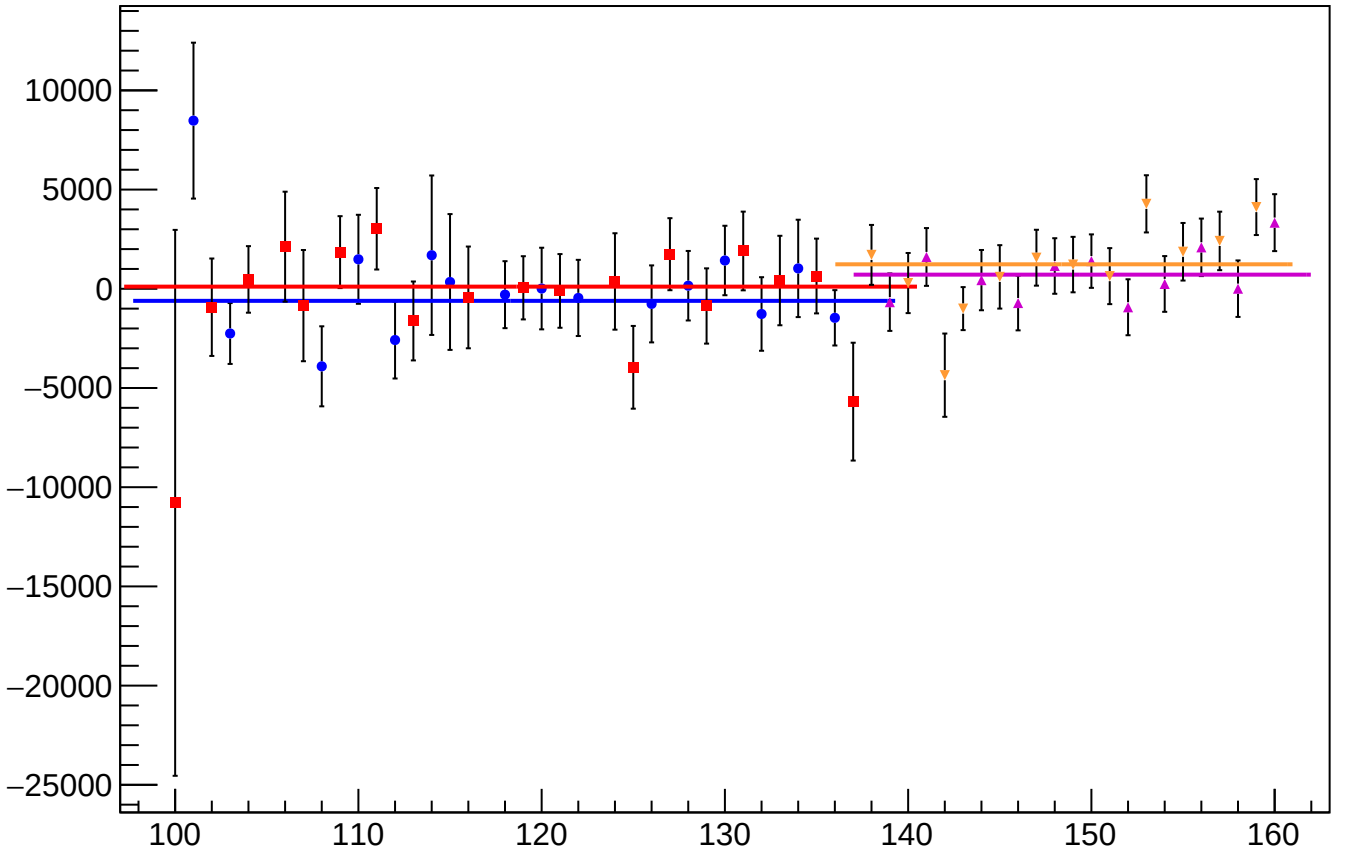
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4196.018+/-0.976 χ^2/NDF:501534.5/10

+ sign 3639.666+/-0.646 χ^2/NDF: 1510460.7/27

All: 3632.002+/-0.455 χ^2/NDF: 3387415.9/57

- 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: 1234.285+/-415.913 χ^2/NDF:21.7/11

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

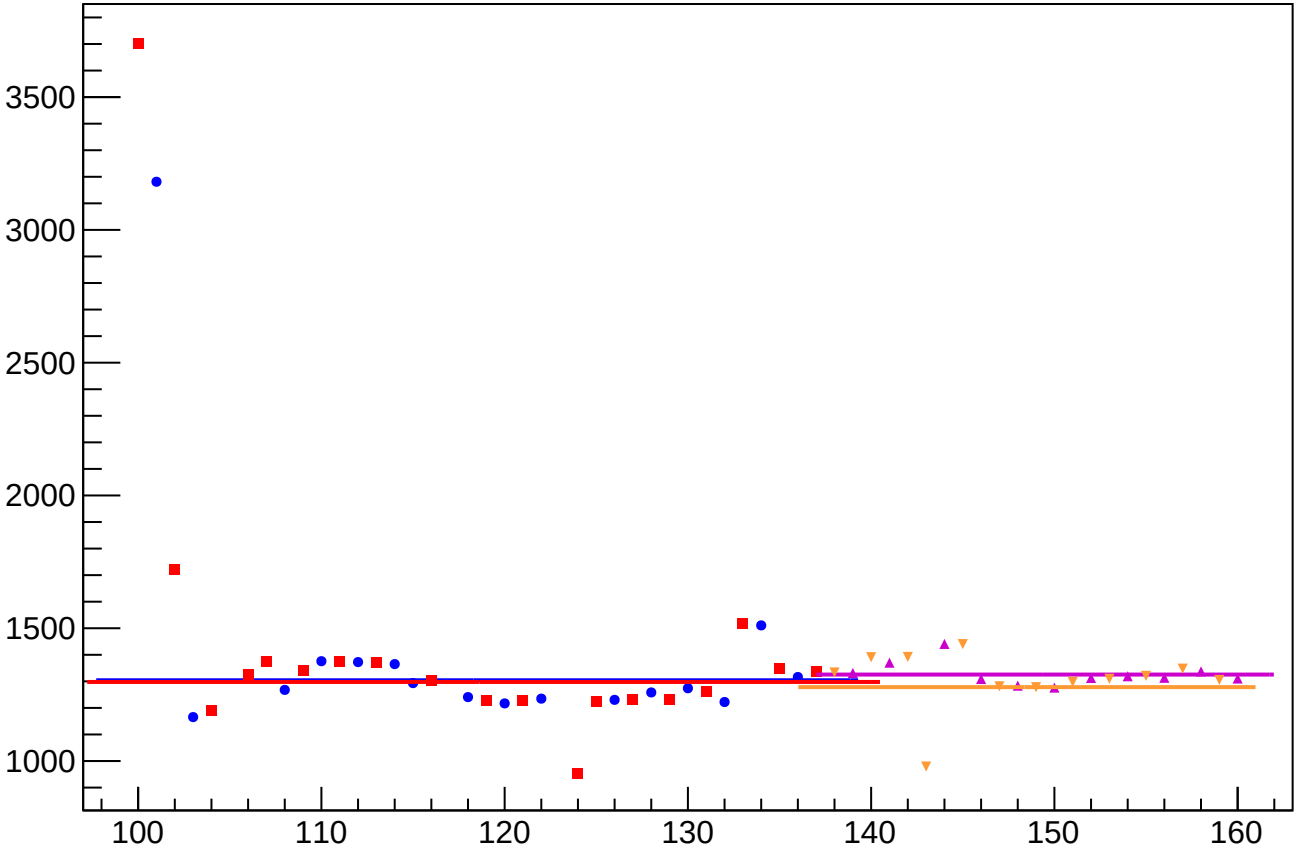
Left In: 712.706+/-428.982 χ^2/NDF:8.7/10

\+ sign 470.486+/-318.213 χ^2/NDF: 43.9/27

All: 459.302+/-226.159 χ^2/NDF: 68.4/57

\- 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: 1278.304+/-0.294 χ^2/NDF:200588.1/11

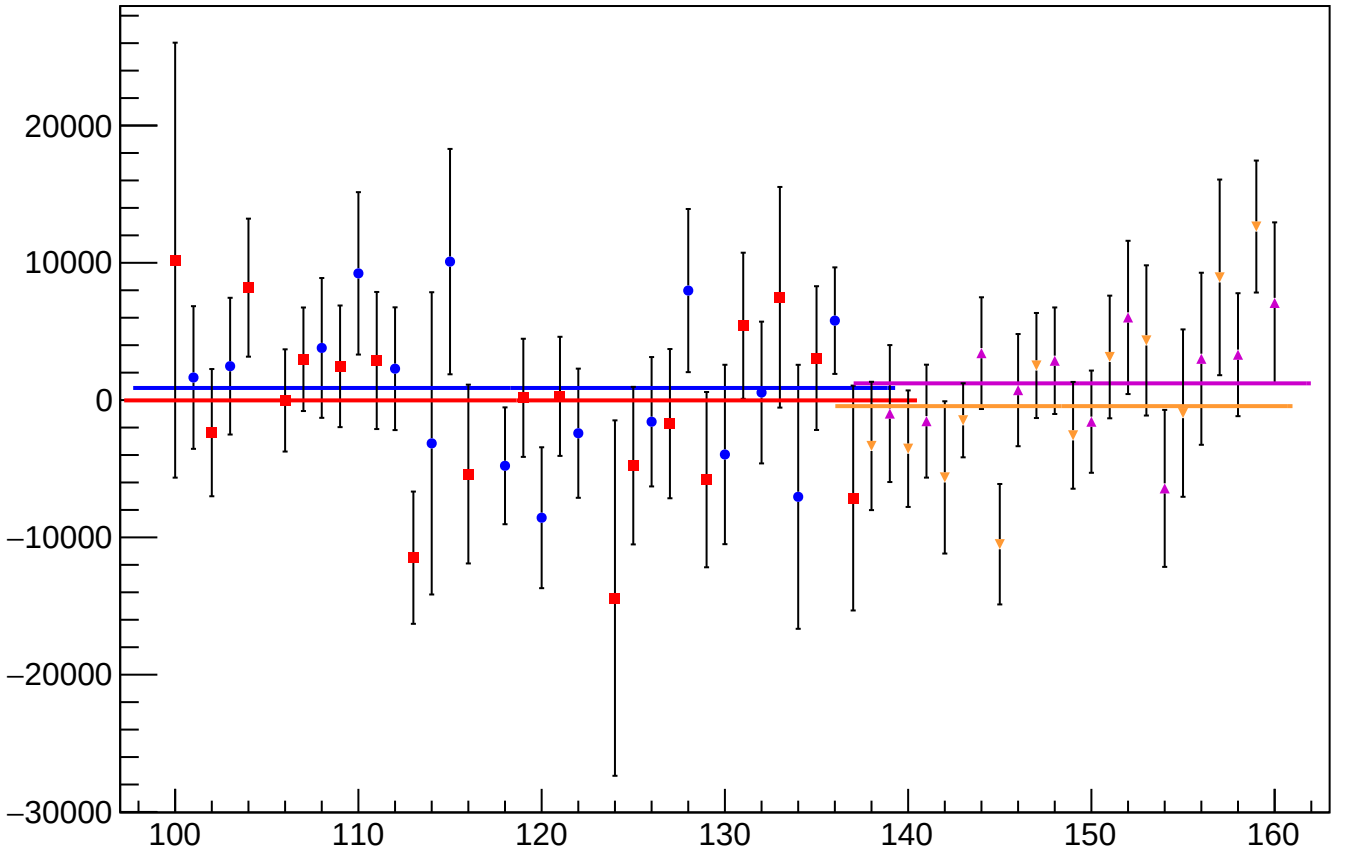
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.598+/-0.303 χ^2/NDF:18904.1/10

+ sign 1289.001+/-0.225 χ^2/NDF: 714368.3/27

All: 1301.080+/-0.160 χ^2/NDF: 955876.2/57

- 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: -439.000+/-1258.891 χ^2/NDF:18.6/11

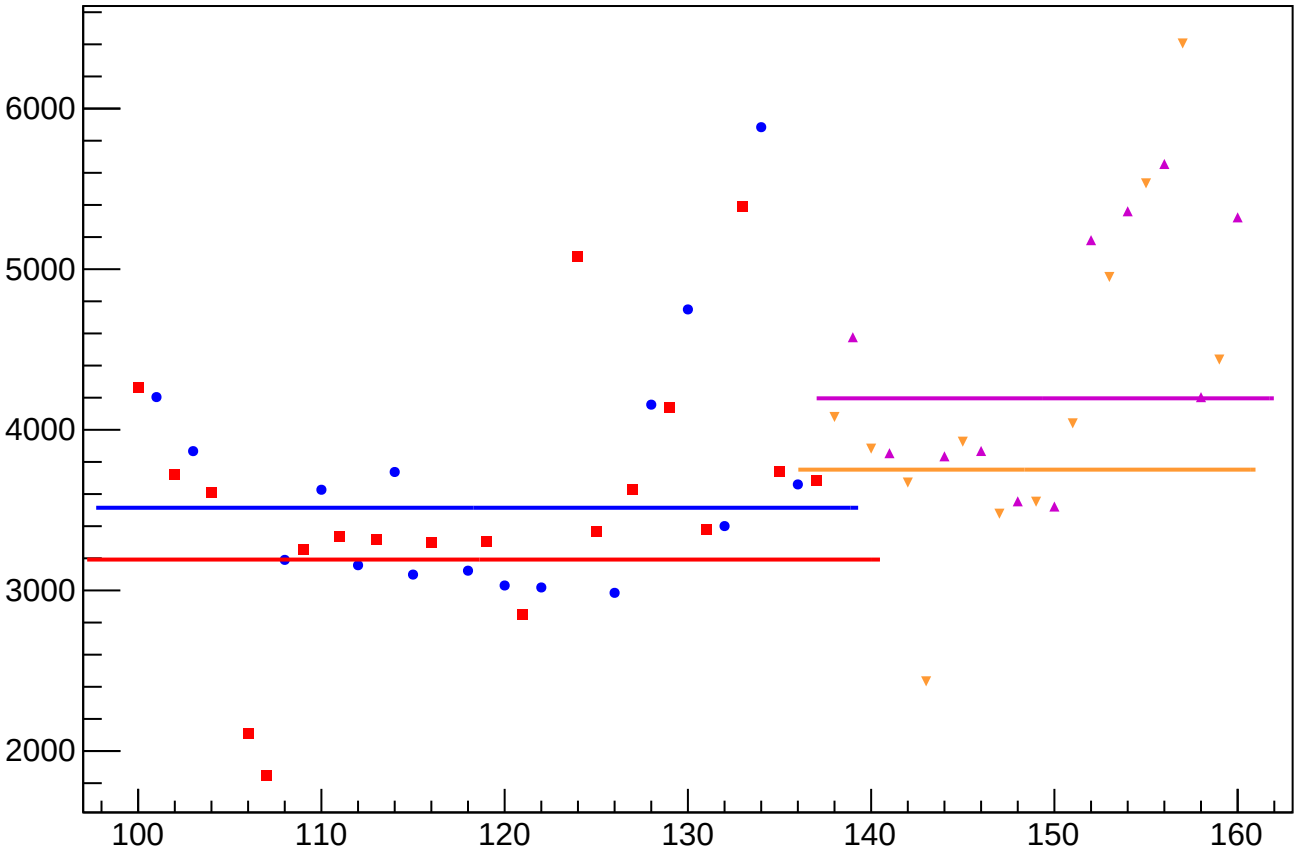
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 1220.374+/-1379.869 χ^2/NDF:5.5/10

\+ sign 187.504+/-913.428 χ^2/NDF: 33.3/27

All: 352.048+/-643.068 χ^2/NDF: 56.2/57

\- 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: 3752.029+/-0.890 χ^2/NDF:1101737.4/11

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

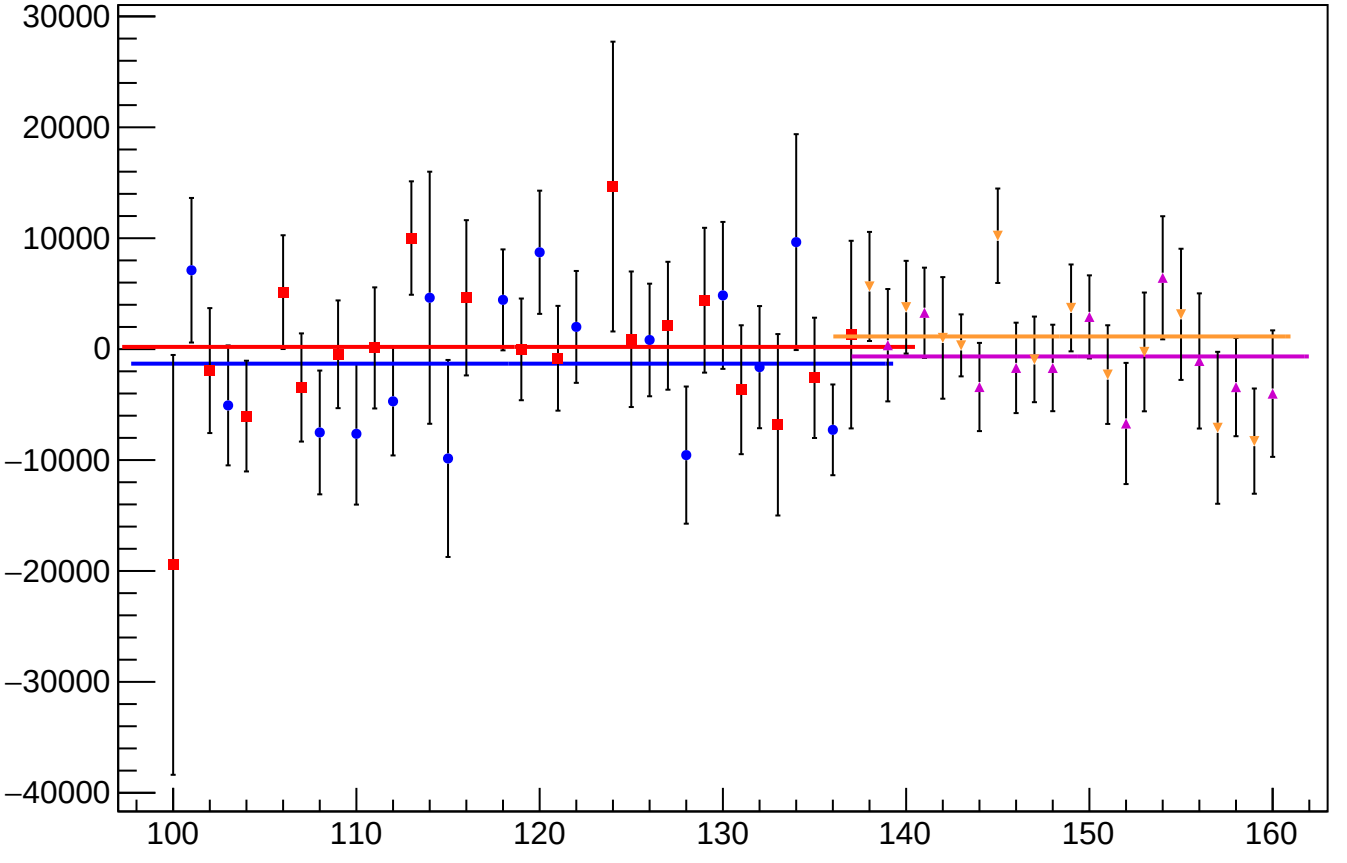
Left In: 4196.024+/-0.976 χ^2/NDF:501534.8/10

+ sign 3639.664+/-0.646 χ^2/NDF: 1510469.1/27

All: 3631.999+/-0.455 χ^2/NDF: 3387443.1/57

- 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: 1143.591+/-1262.777 χ^2/NDF:12.8/11

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

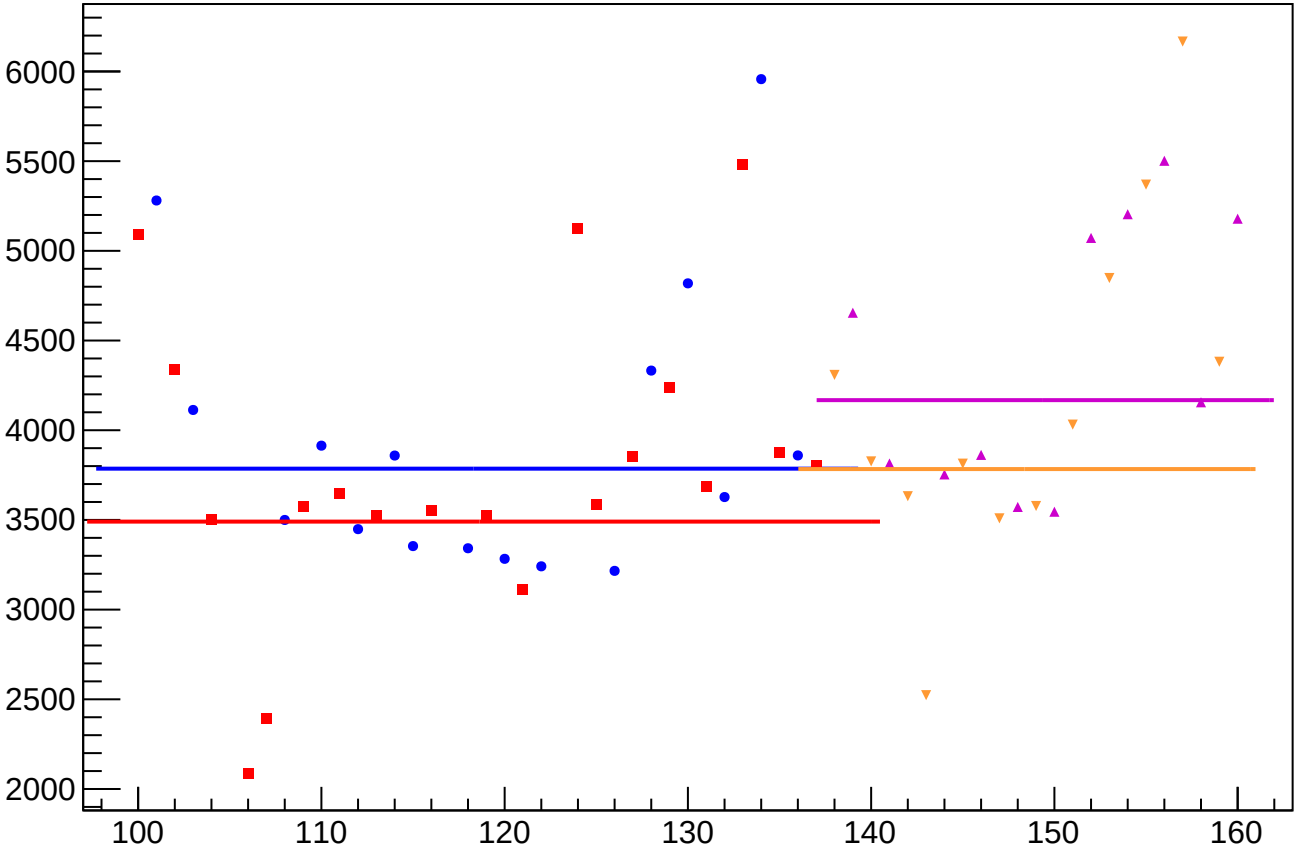
Left In: -659.186+/-1367.707 χ^2/NDF:6.1/10

+ sign 70.235+/-947.016 χ^2/NDF: 32.0/27

All: -72.921+/-672.701 χ^2/NDF: 50.0/57

- 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: 3783.485+/-0.893 χ^2/NDF:950121.3/11

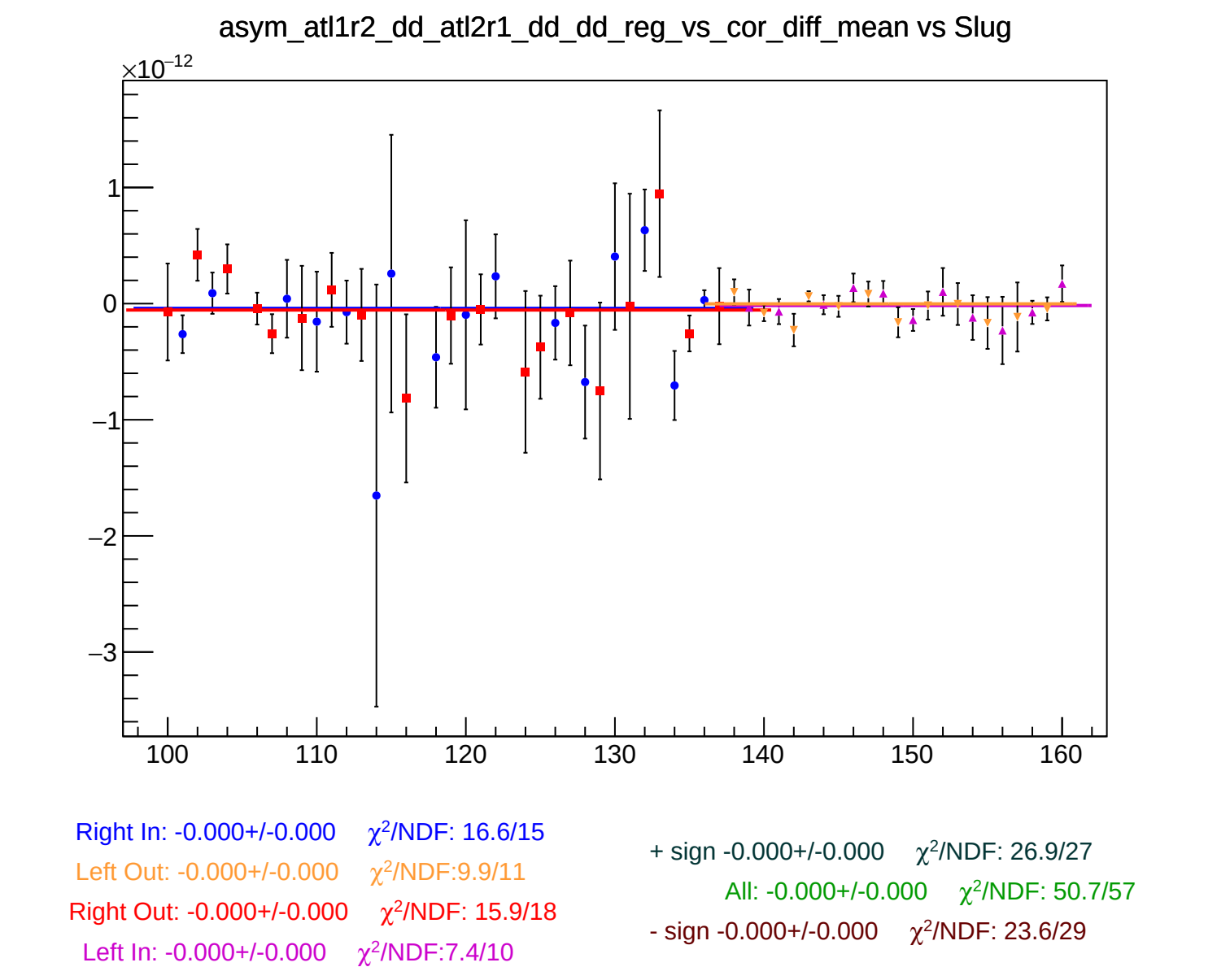
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

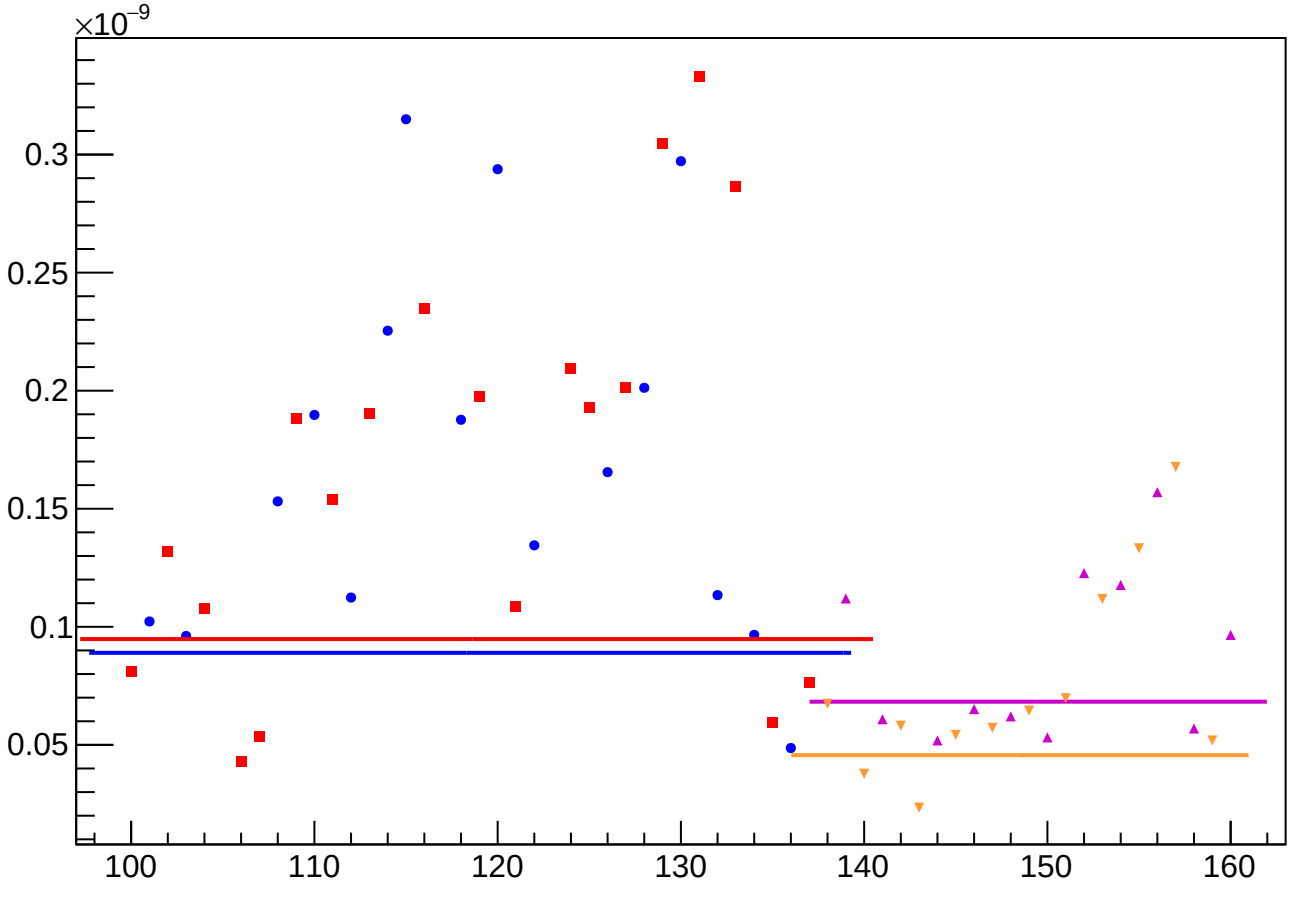
Left In: 4167.729+/-0.967 χ^2/NDF:451630.3/10

+ sign 3784.486+/-0.670 χ^2/NDF: 1333117.1/27

All: 3800.512+/-0.474 χ^2/NDF: 2626806.0/57

- sign 3816.605+/-0.671 χ^2/NDF: 1292541.1/29


asym_atl1r2_dd_atl2r1_dd_dd_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:9.9/11
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: 26.9/27
All: -0.000+/-0.000 χ²/NDF: 50.7/57
- 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:1719207.8/11

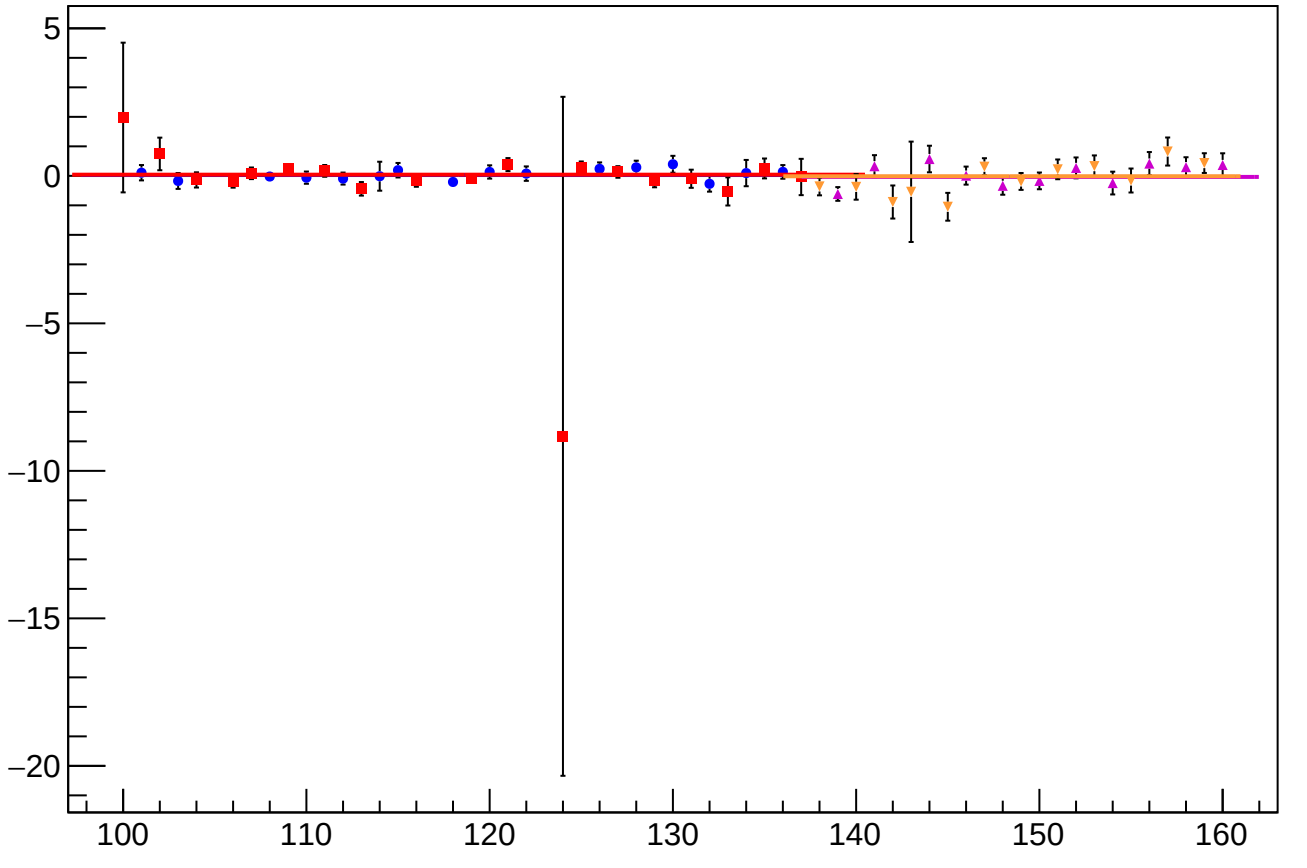
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:859505.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 4070274.2/27

All: 0.000+/-0.000 χ^2/NDF: 7498963.5/57

- 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: -0.014+/-0.109 χ^2/NDF:17.4/11

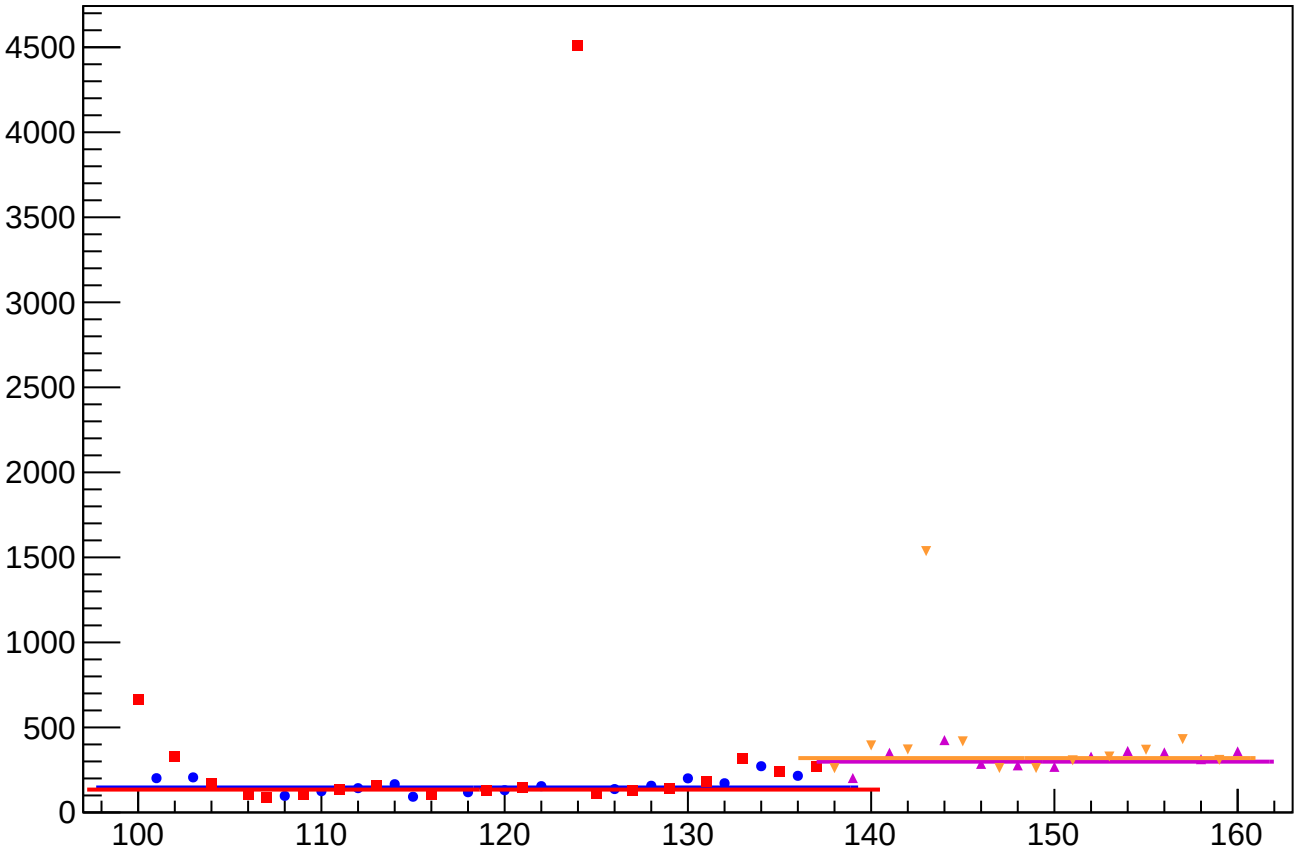
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.020+/-0.035 χ^2/NDF: 61.9/57

- 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: 319.653+/-0.077 χ^2/NDF:1573887.6/11

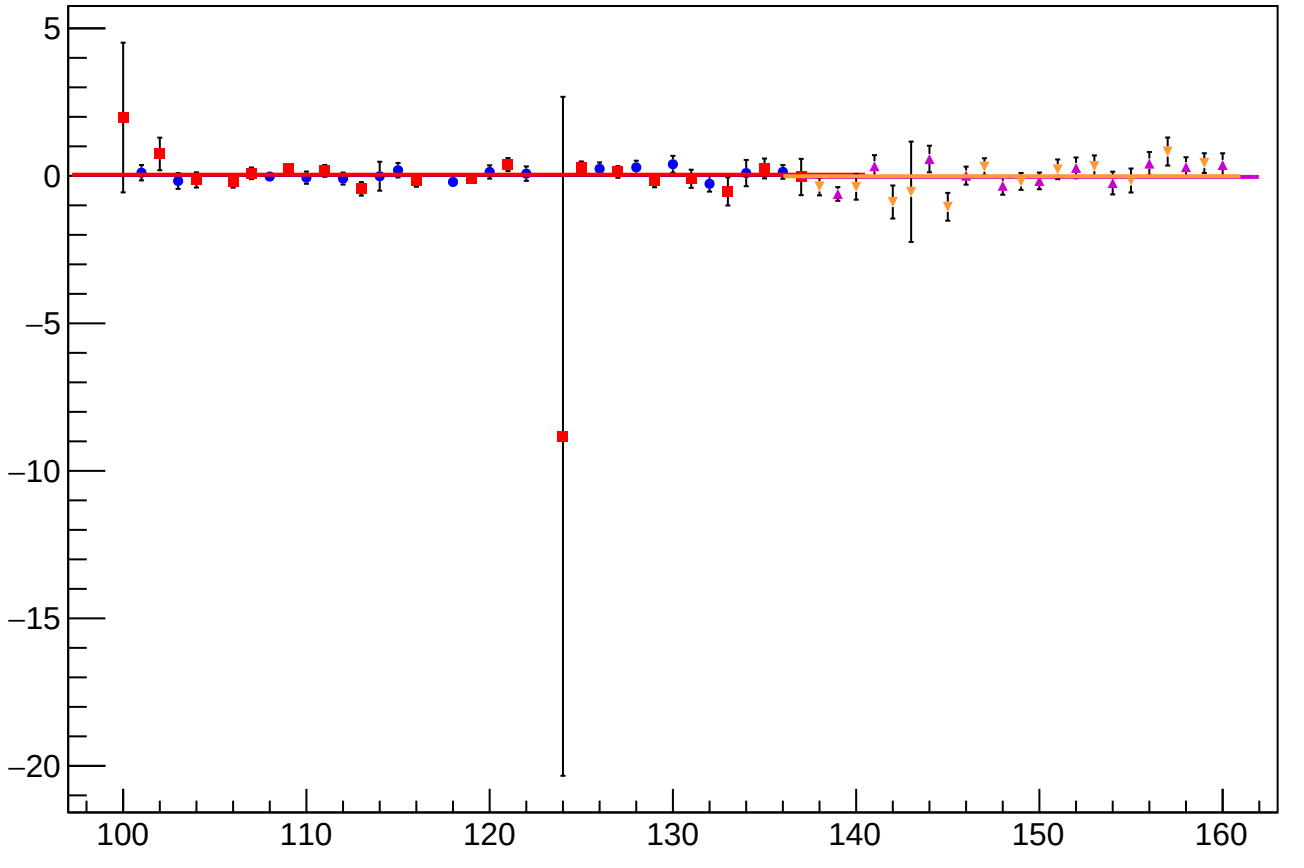
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

+ sign 184.768+/-0.036 χ^2/NDF: 6511133.0/27

All: 178.377+/-0.025 χ^2/NDF: 13092198.8/57

- 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: -0.014+/-0.109 χ^2/NDF:17.4/11

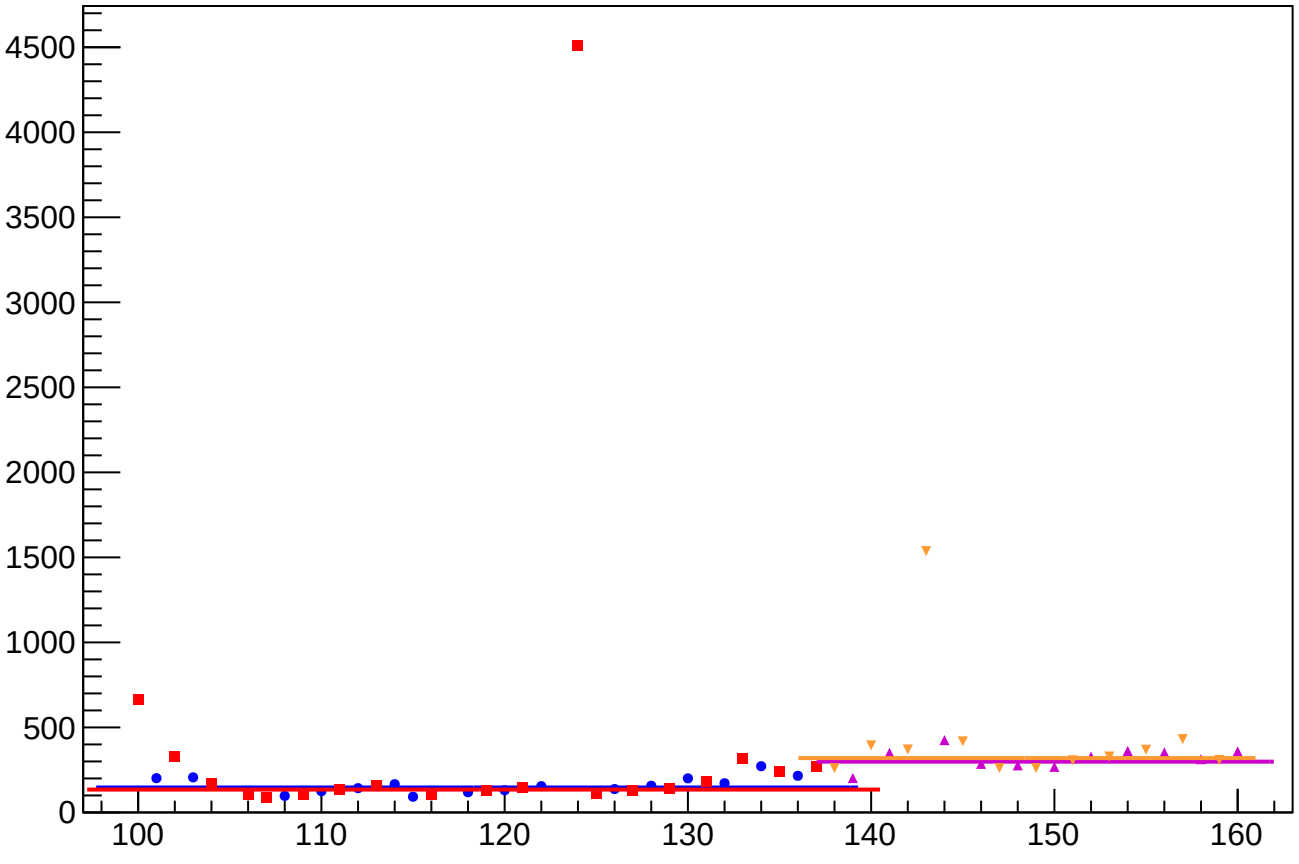
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.020+/-0.035 χ^2/NDF: 61.9/57

- 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: 319.653+/-0.077 χ^2/NDF:1573887.6/11

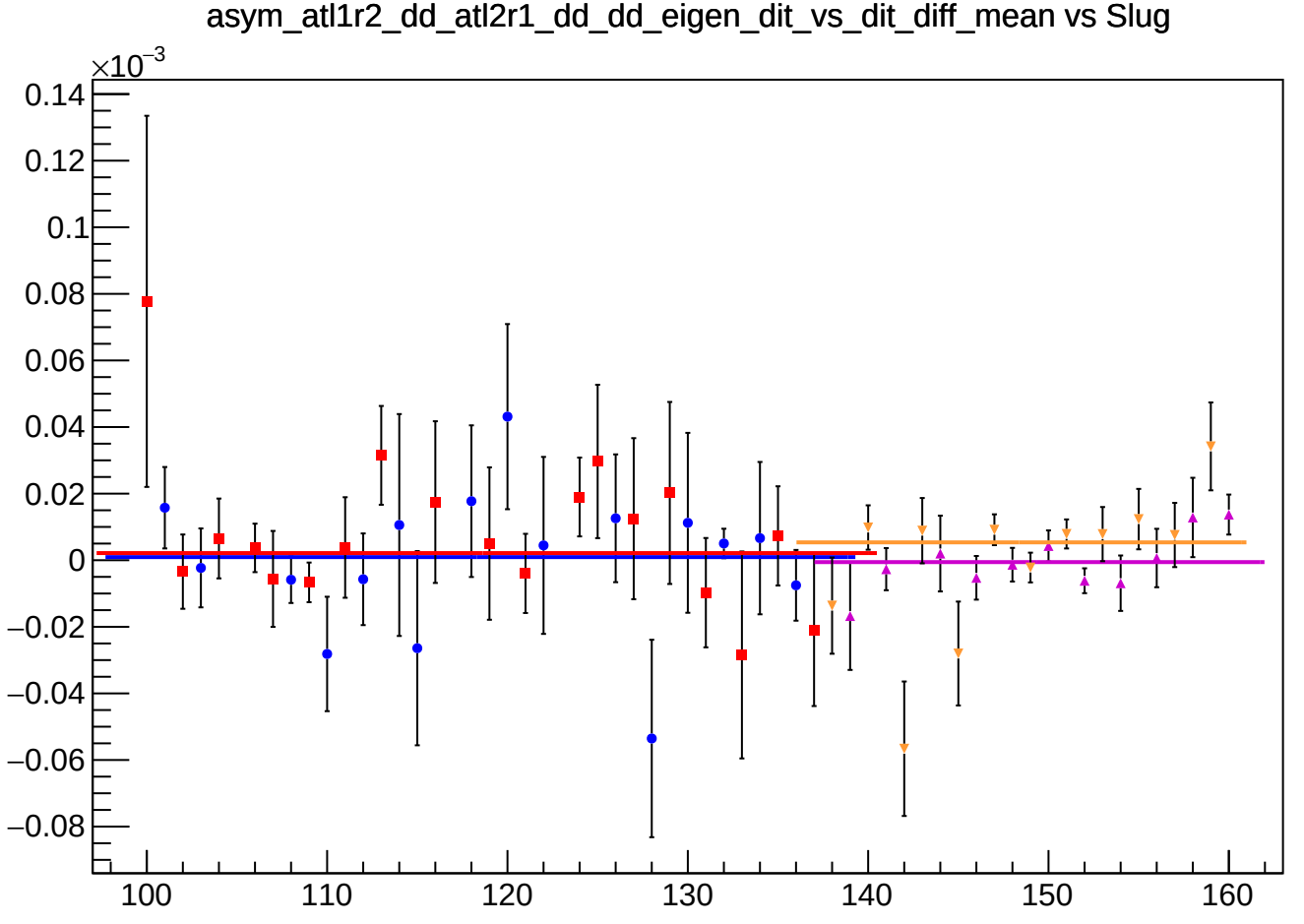
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 298.744+/-0.070 χ^2/NDF:732774.0/10

+ sign 184.768+/-0.036 χ^2/NDF: 6511133.0/27

All: 178.377+/-0.025 χ^2/NDF: 13092198.8/57

- 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:25.7/11

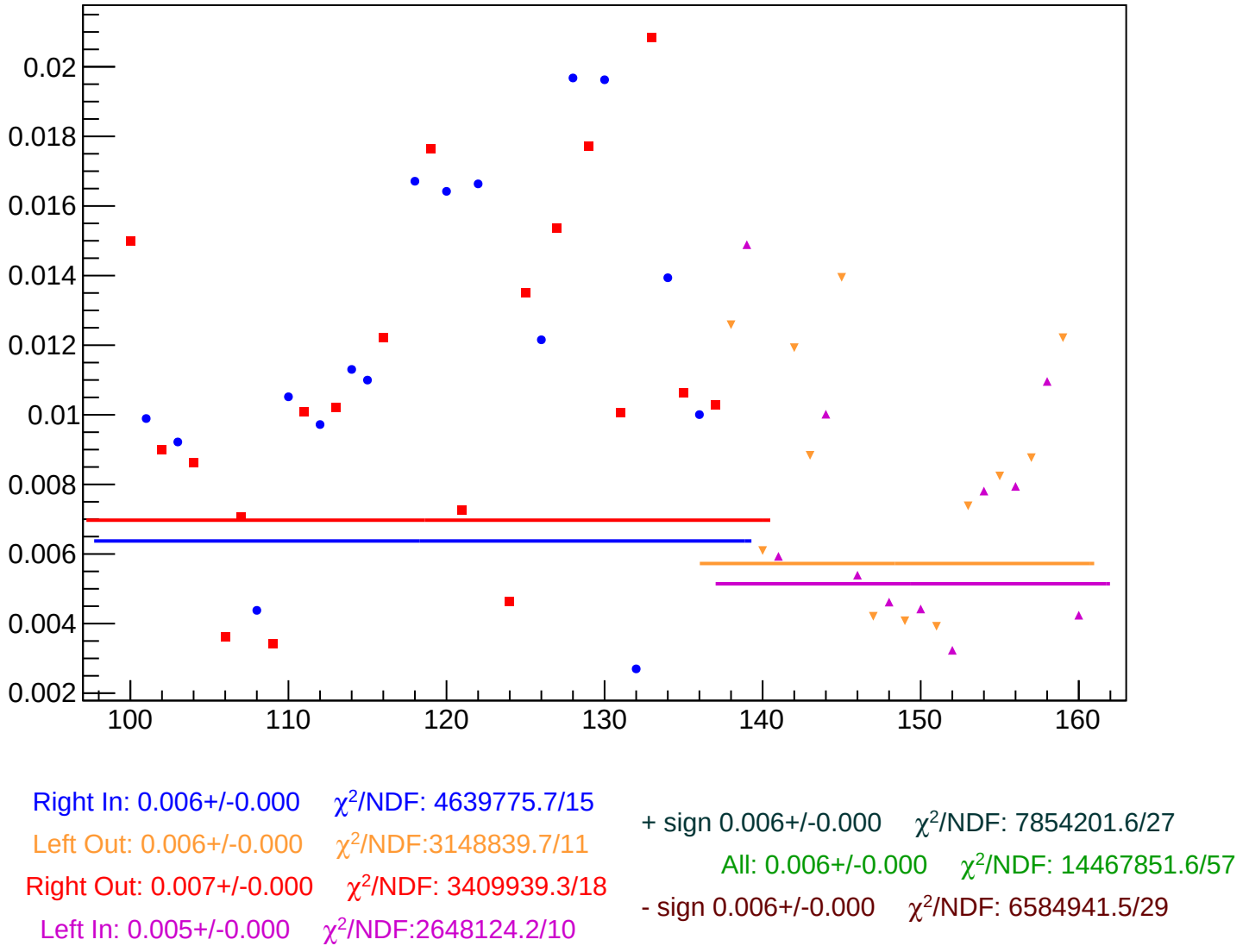
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

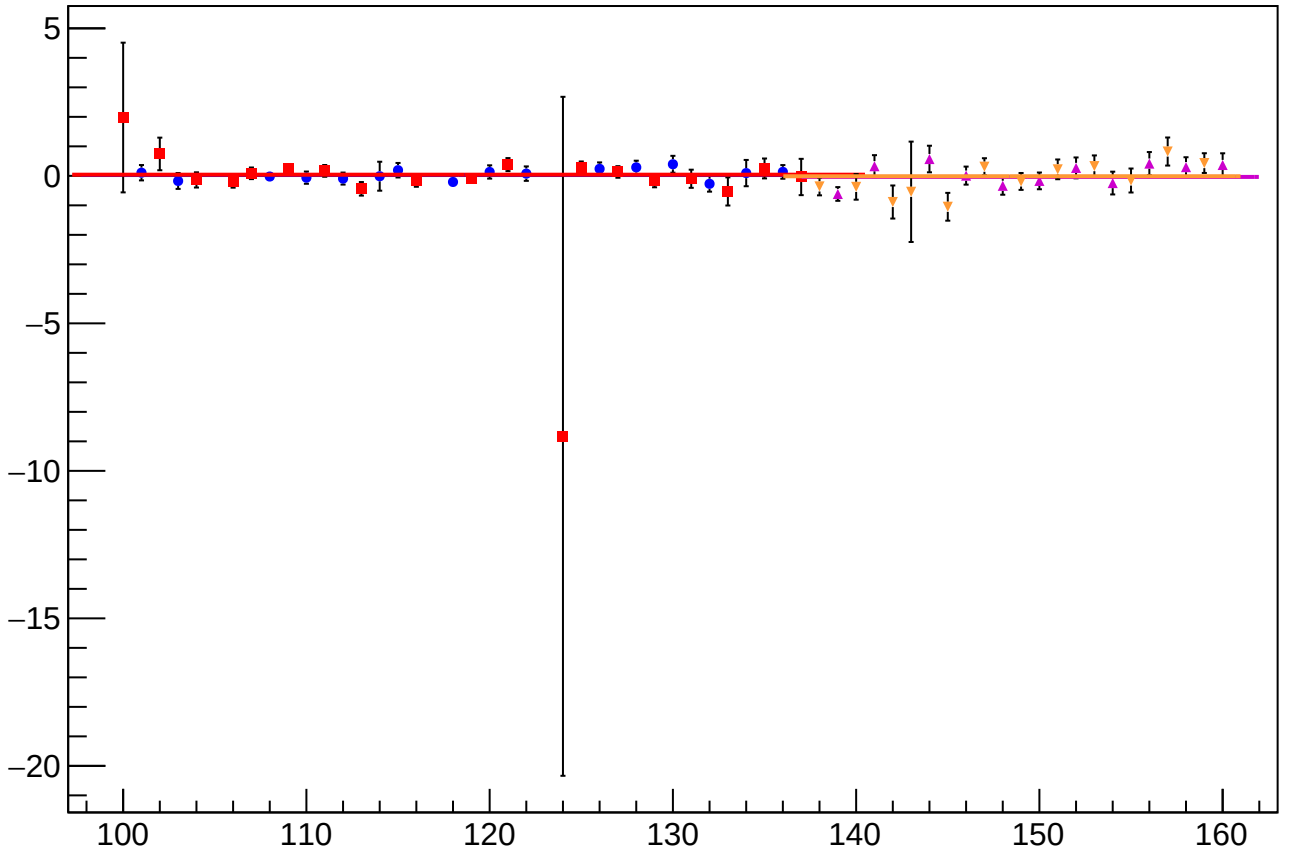
Left In: -0.000+/-0.000 χ^2/NDF:12.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 42.1/27

All: 0.000+/-0.000 χ^2/NDF: 73.8/57

- sign 0.000+/-0.000 χ^2/NDF: 29.2/29


asym_atl1r2_dd_atl2r1_dd_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: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.006+/-0.000 χ²/NDF:3148839.7/11
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: 7854201.6/27
All: 0.006+/-0.000 χ²/NDF: 14467851.6/57
- sign 0.006+/-0.000 χ²/NDF: 6584941.5/29



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.014+/-0.109 χ^2/NDF:17.4/11

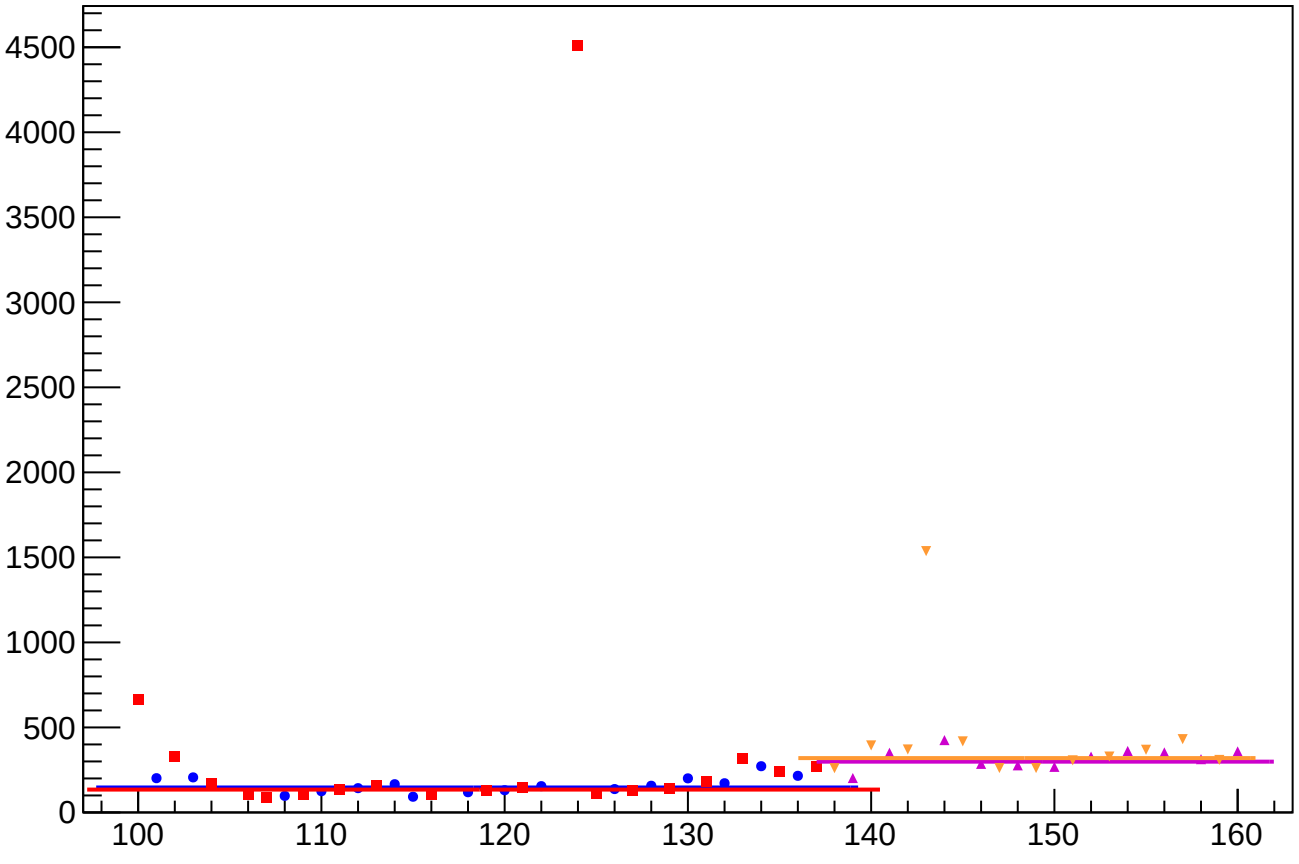
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.020+/-0.035 χ^2/NDF: 61.9/57

- 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: 319.656+/-0.077 χ^2/NDF:1573890.2/11

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

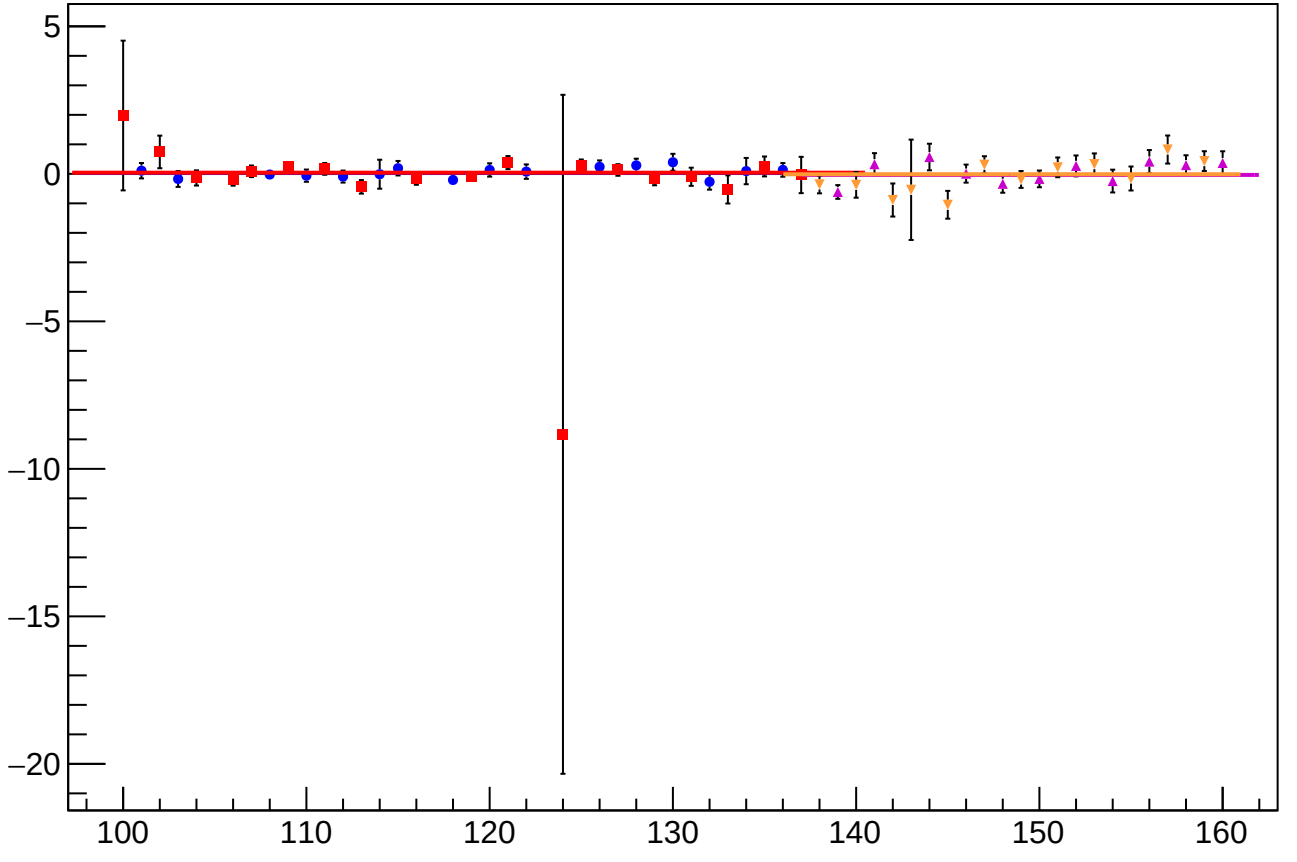
Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

+ sign 184.768+/-0.036 χ^2/NDF: 6511183.9/27

All: 178.378+/-0.025 χ^2/NDF: 13092186.8/57

- 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: -0.014+/-0.109 χ^2/NDF:17.4/11

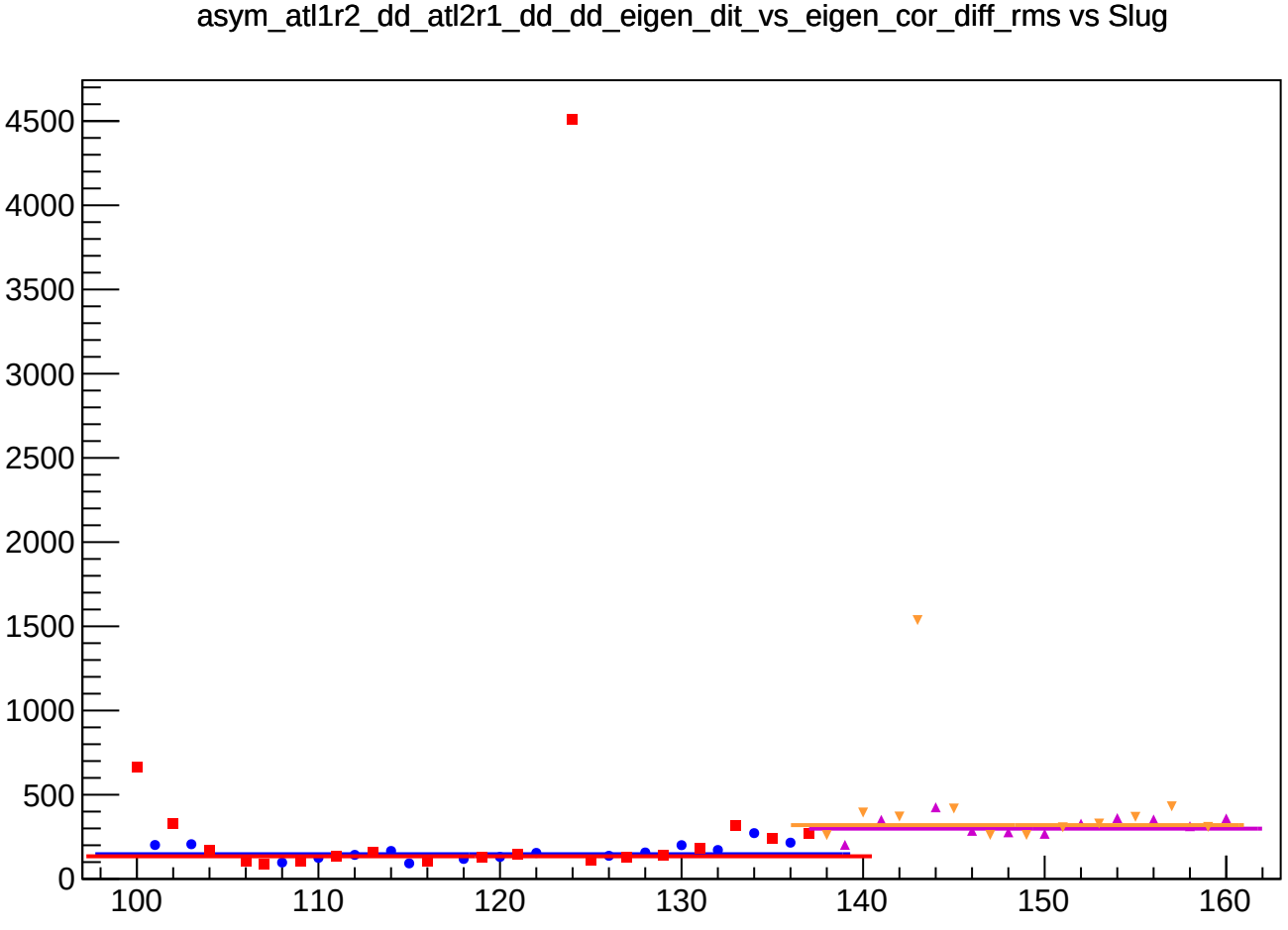
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.036+/-0.099 χ^2/NDF:14.5/10

+ sign 0.019+/-0.051 χ^2/NDF: 26.9/27

All: 0.020+/-0.035 χ^2/NDF: 61.9/57

- 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: 319.656+/-0.077 χ^2/NDF:1573890.2/11

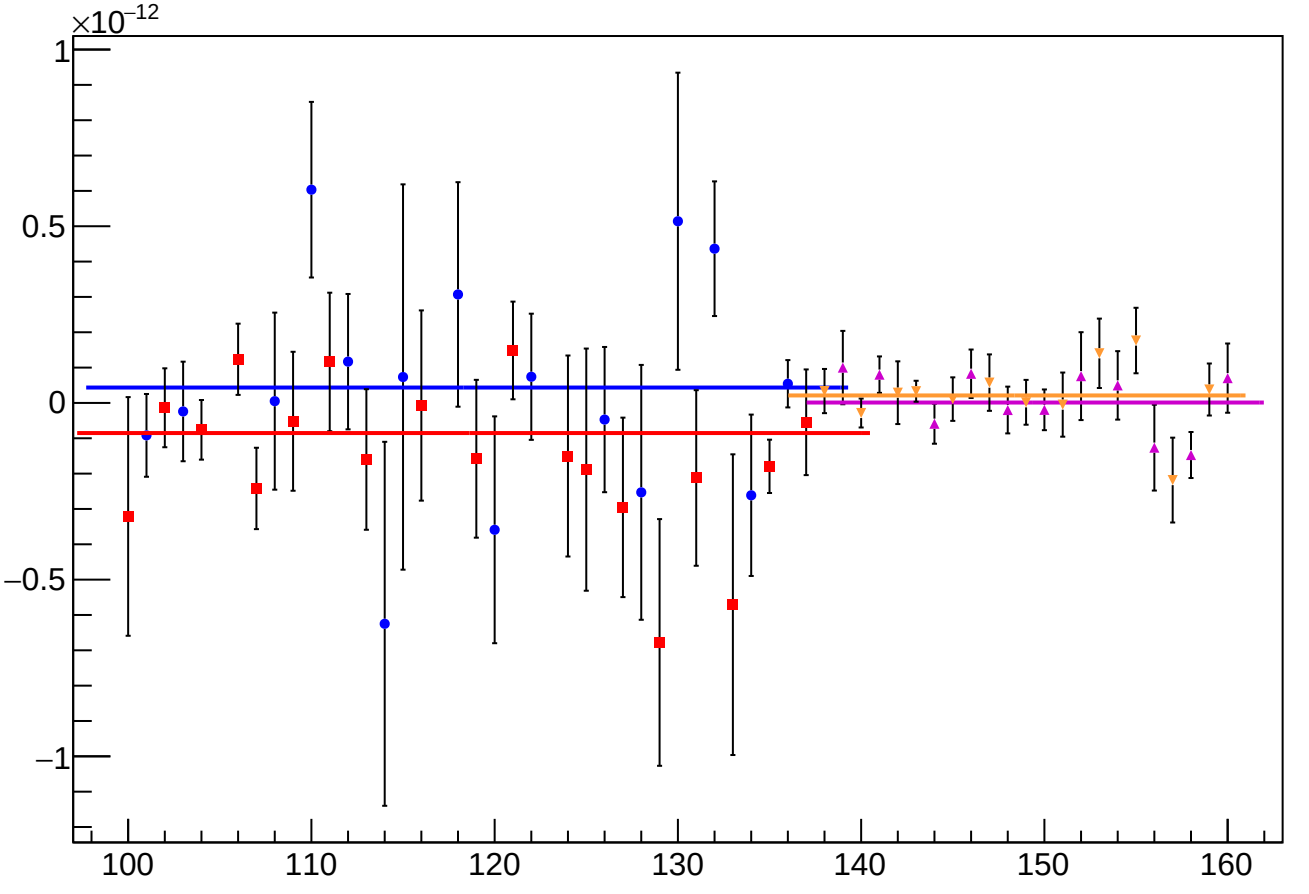
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 298.748+/-0.070 χ^2/NDF:732753.4/10

+ sign 184.768+/-0.036 χ^2/NDF: 6511183.9/27

All: 178.378+/-0.025 χ^2/NDF: 13092186.8/57

- 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:10.4/11

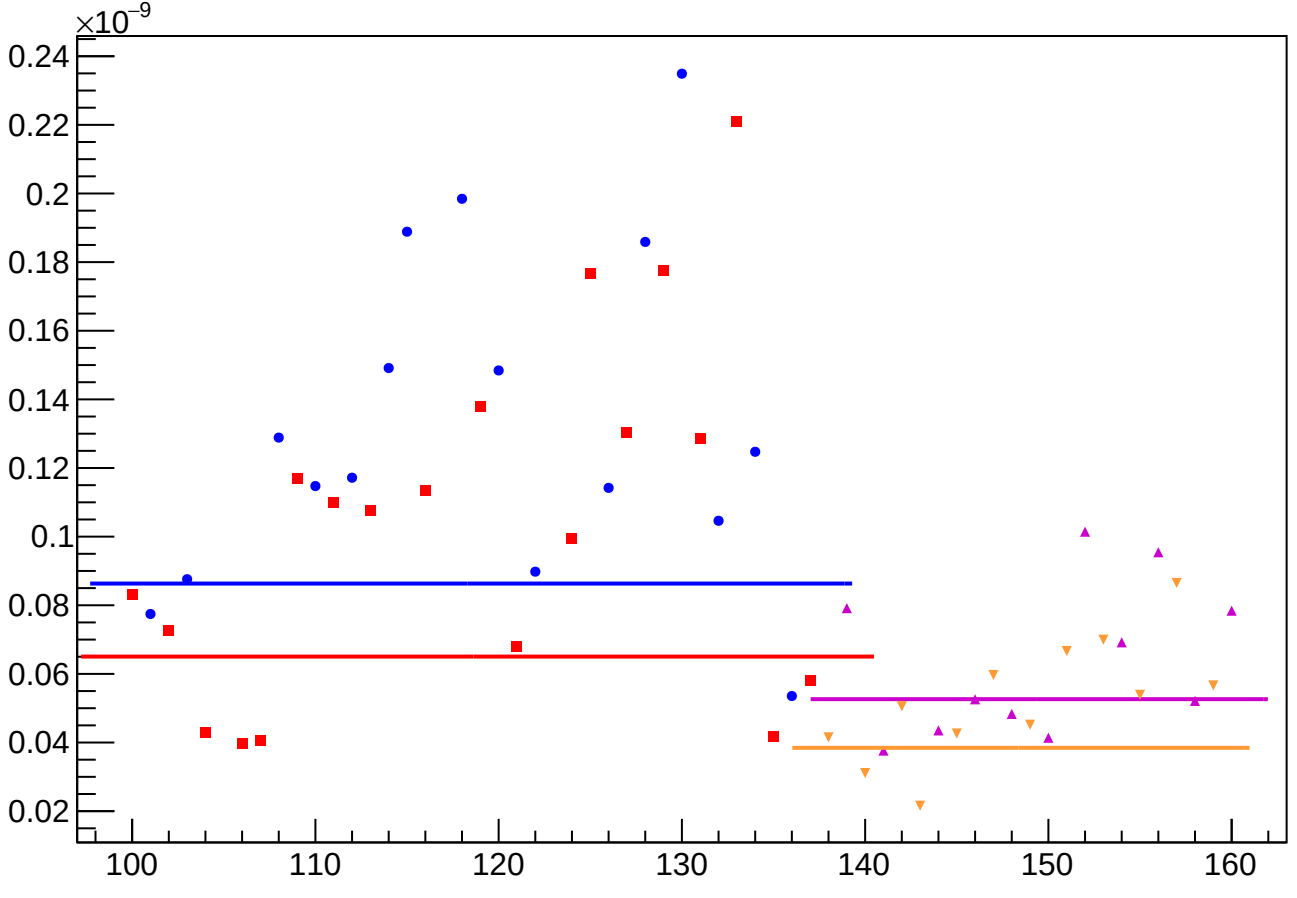
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/27

All: 0.000+/-0.000 χ^2/NDF: 69.7/57

- 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:1825264.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

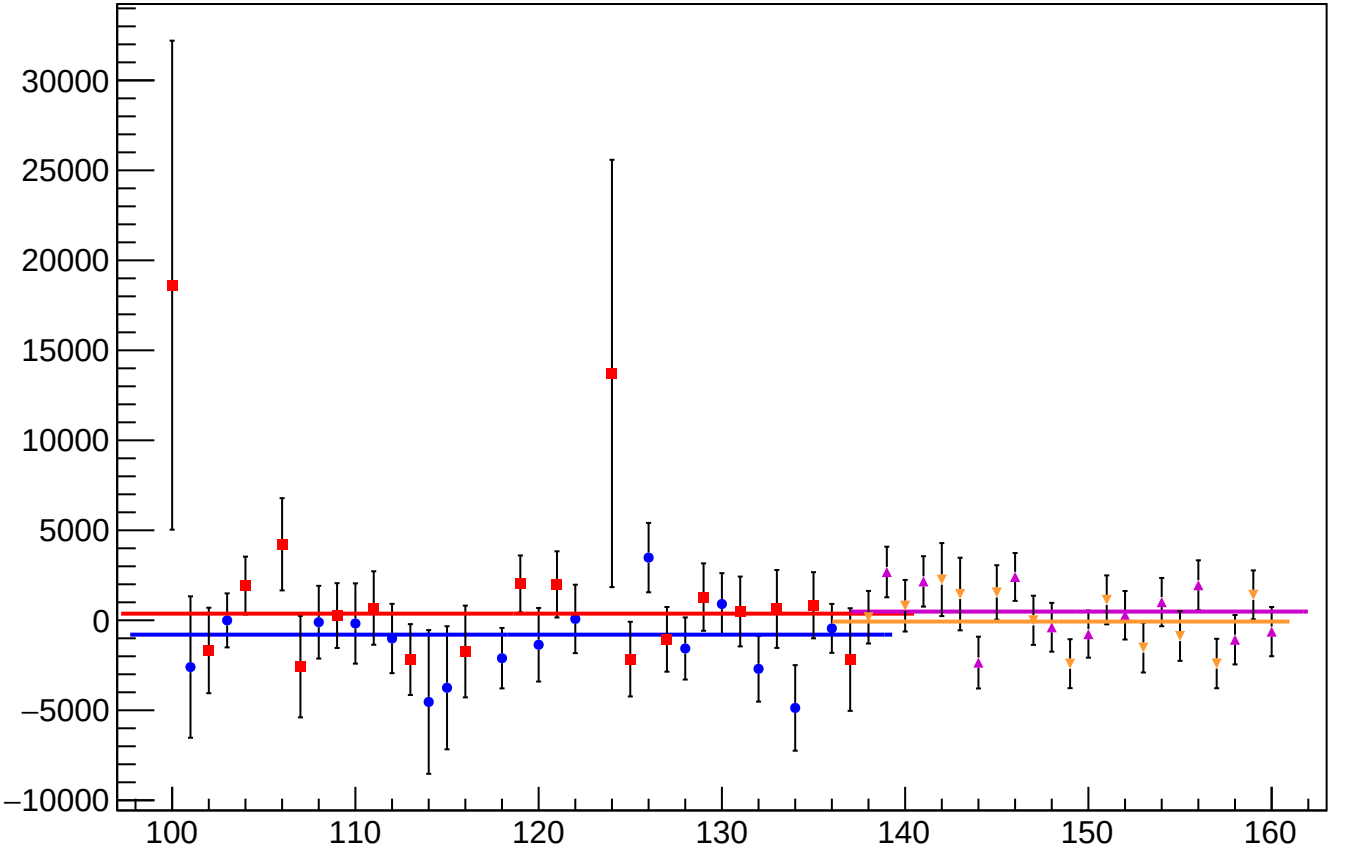
Left In: 0.000+/-0.000 χ^2/NDF:1189787.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 5550588.3/27

All: 0.000+/-0.000 χ^2/NDF: 9501466.3/57

- 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: -69.445+/-421.720 χ^2/NDF:12.7/11

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

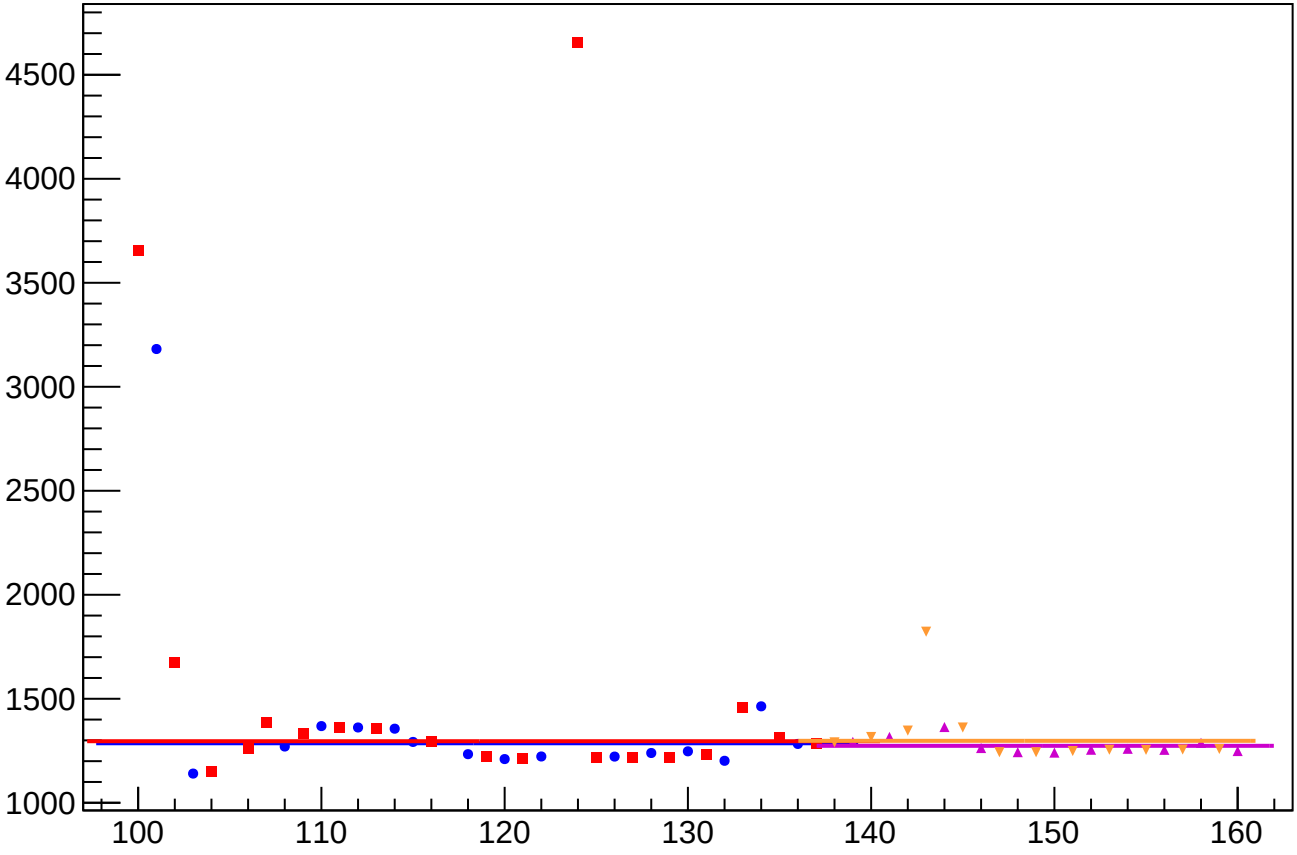
Left In: 484.590+/-412.146 χ^2/NDF:14.4/10

+ sign -381.016+/-318.929 χ^2/NDF: 27.4/27

All: 33.804+/-223.858 χ^2/NDF: 60.8/57

- 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: 1297.817+/-0.298 χ^2/NDF:156955.5/11

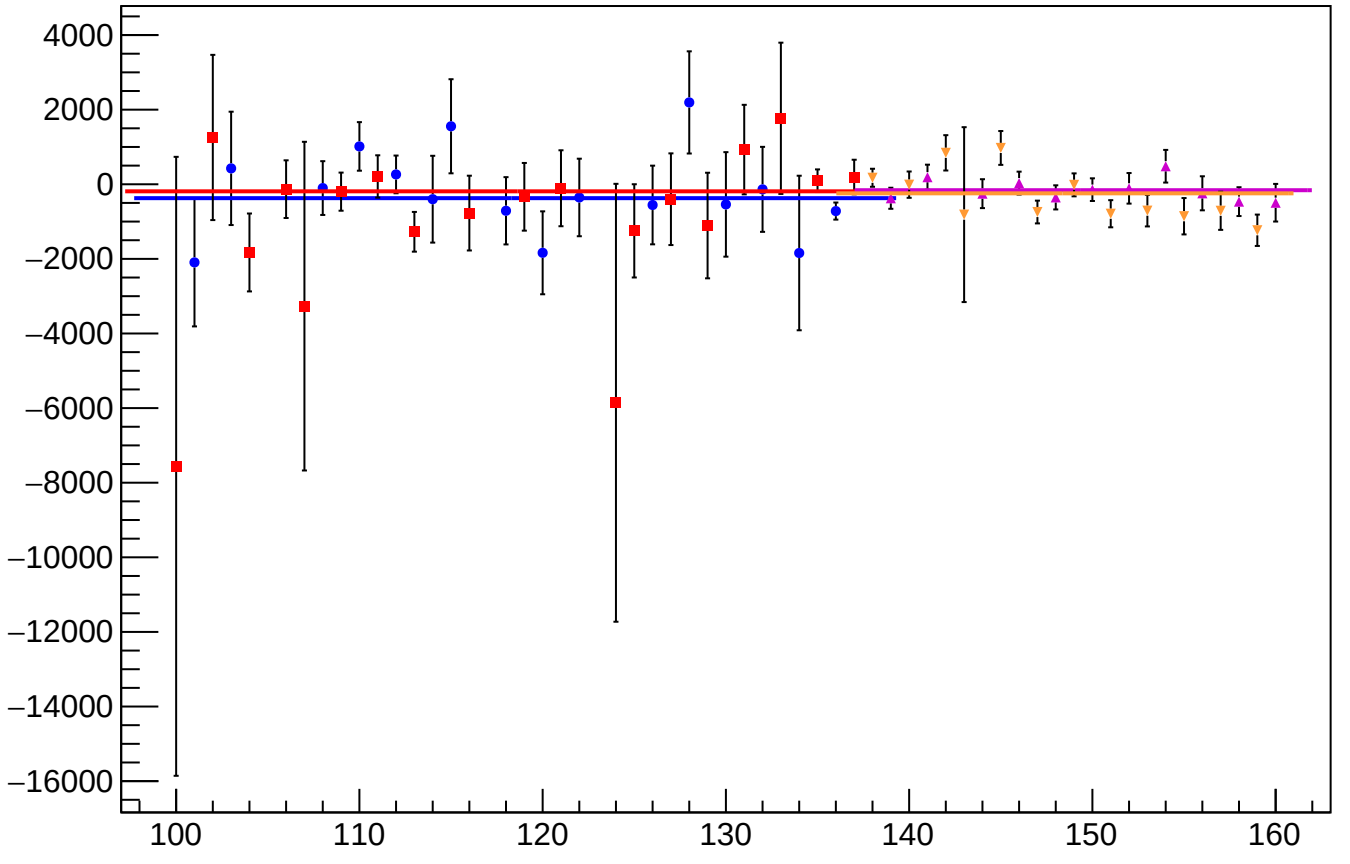
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

+ sign 1292.800+/-0.226 χ^2/NDF: 675743.7/27

All: 1287.860+/-0.158 χ^2/NDF: 1021614.1/57

- 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: -242.958+/-109.892 χ^2/NDF:30.6/11

Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

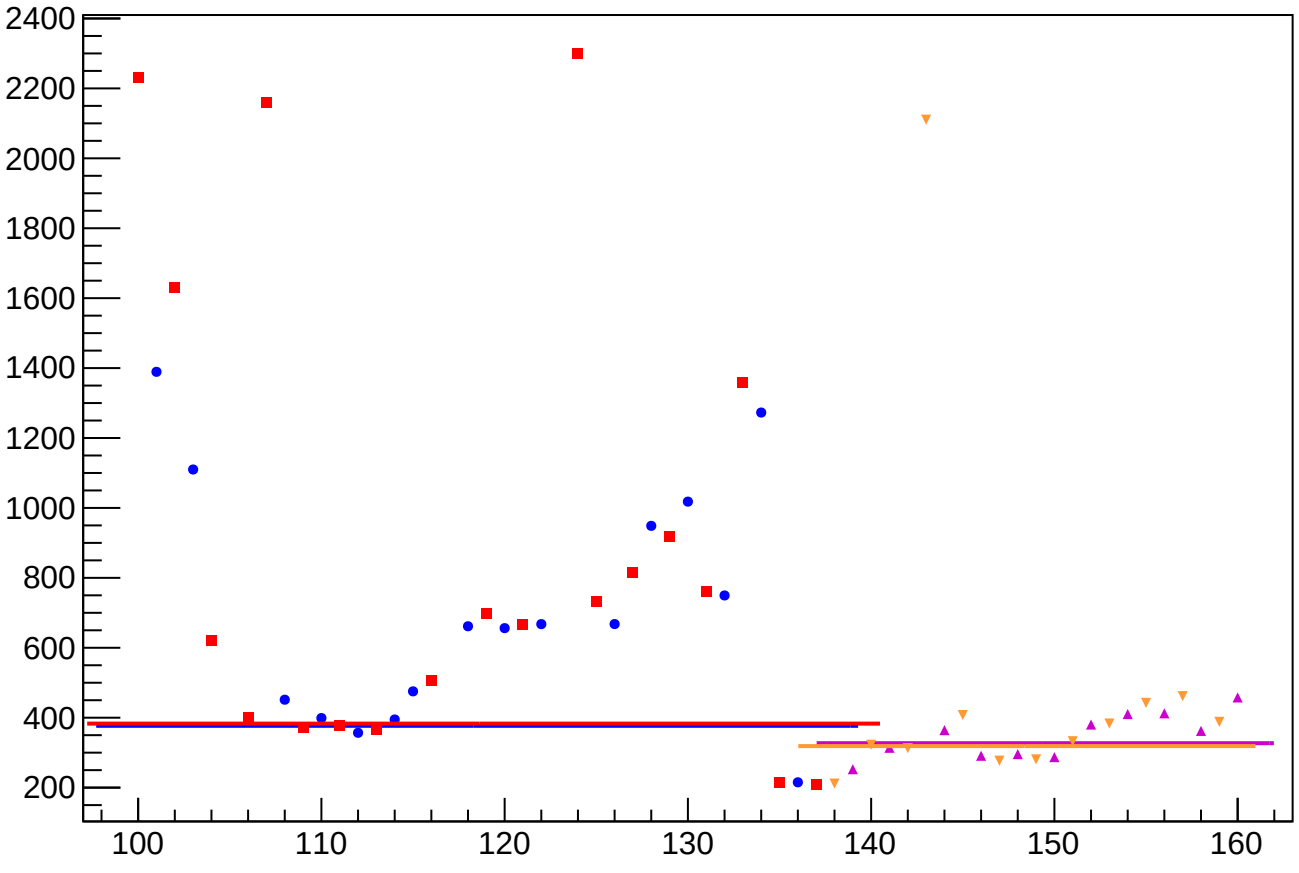
Left In: -159.231+/-108.014 χ^2/NDF:5.7/10

+ sign -281.658+/-91.998 χ^2/NDF: 49.2/27

All: -224.176+/-64.734 χ^2/NDF: 70.3/57

- sign -167.808+/-91.102 χ^2/NDF: 20.4/29

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 318.755+/-0.078 χ^2/NDF:2096322.1/11

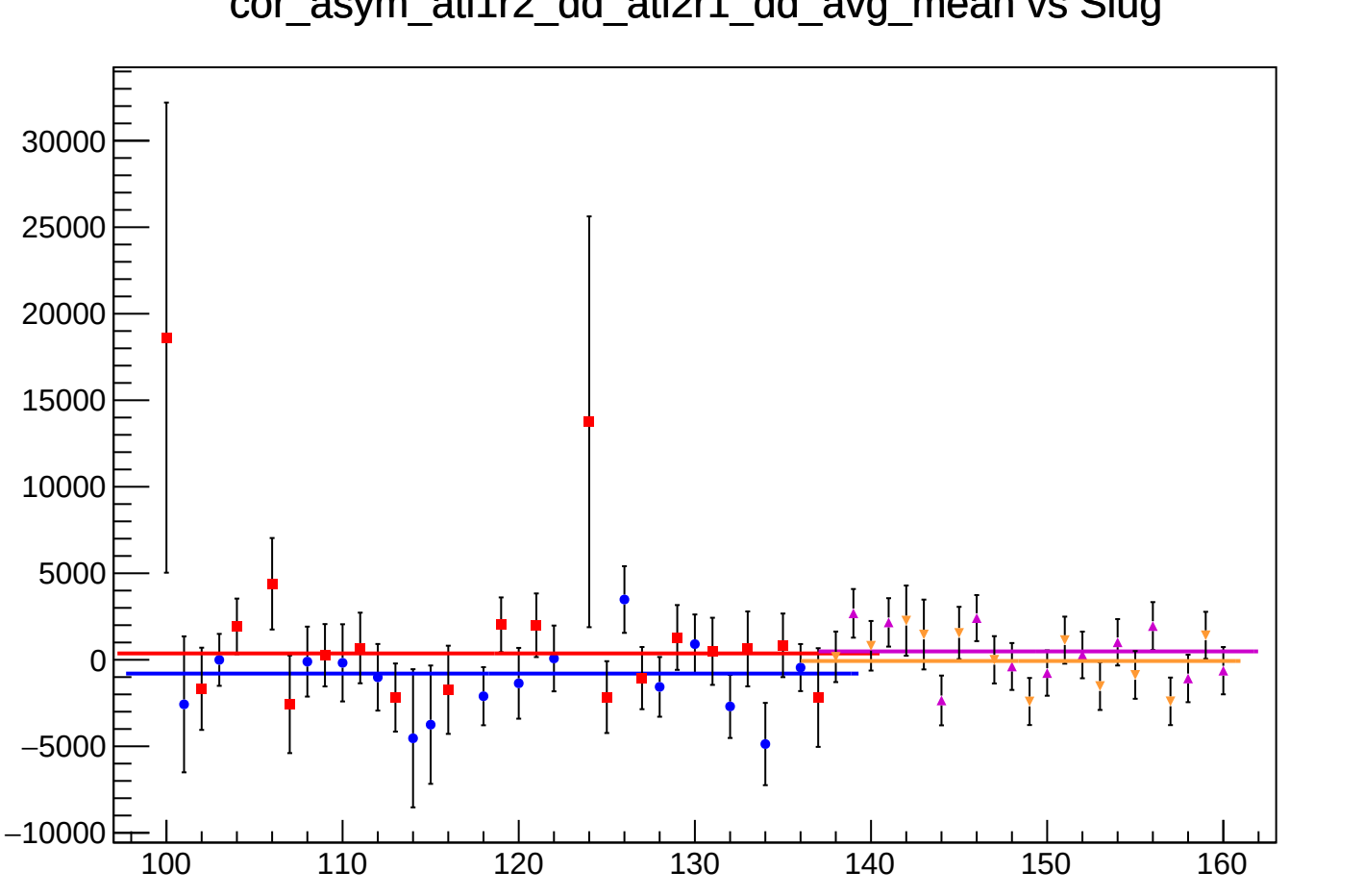
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 327.083+/-0.076 χ^2/NDF:568812.3/10

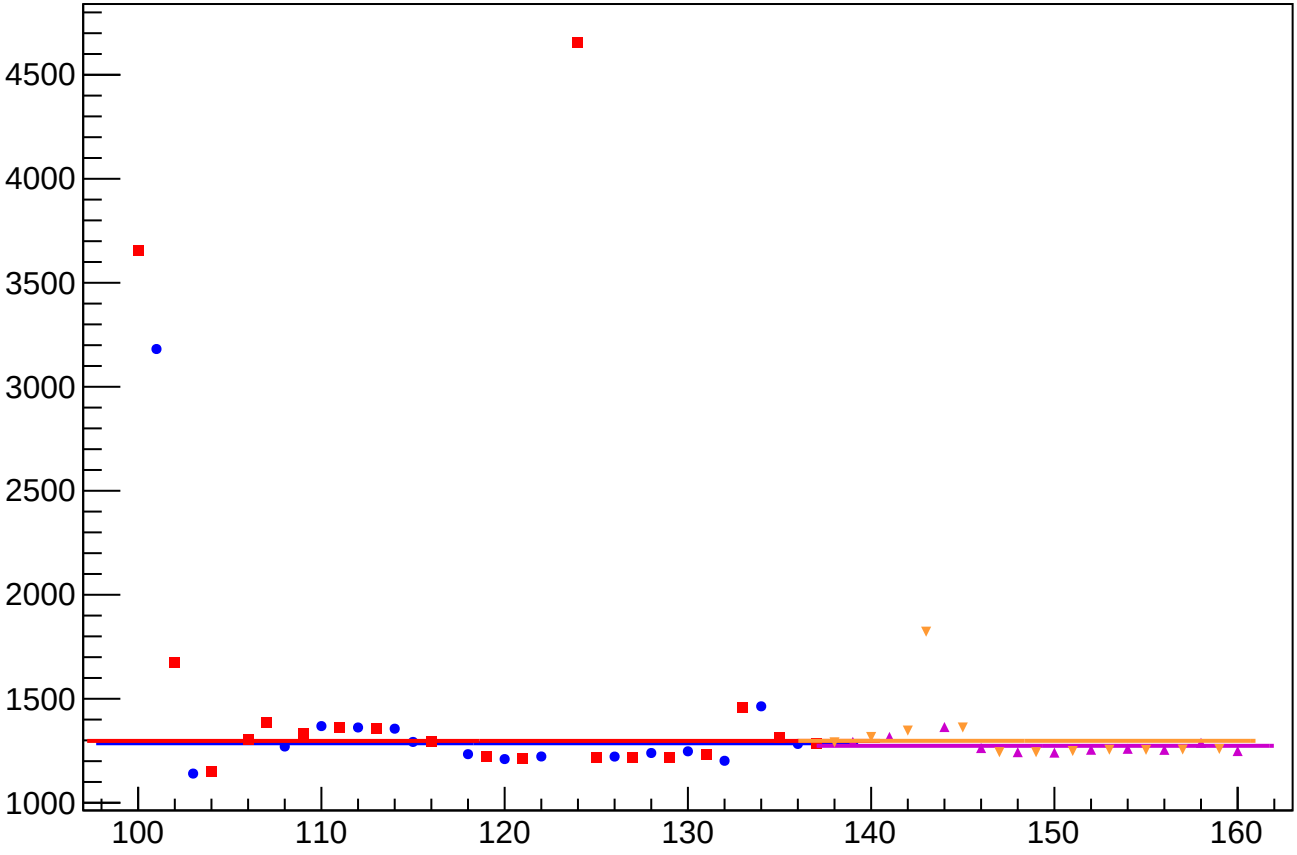
+ sign 336.147+/-0.065 χ^2/NDF: 6453972.7/27

All: 339.730+/-0.046 χ^2/NDF: 11238024.3/57

- sign 343.243+/-0.064 χ^2/NDF: 4778042.9/29


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -69.380+/-421.720 χ²/NDF:12.7/11
Right Out: 367.476+/-486.348 χ²/NDF: 15.7/18
Left In: 484.545+/-412.146 χ²/NDF:14.5/10
+ sign -380.807+/-318.929 χ²/NDF: 27.4/27
All: 33.203+/-223.909 χ²/NDF: 60.9/57
- sign 435.613+/-314.429 χ²/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: 1297.817+/-0.298 χ^2/NDF:156955.5/11

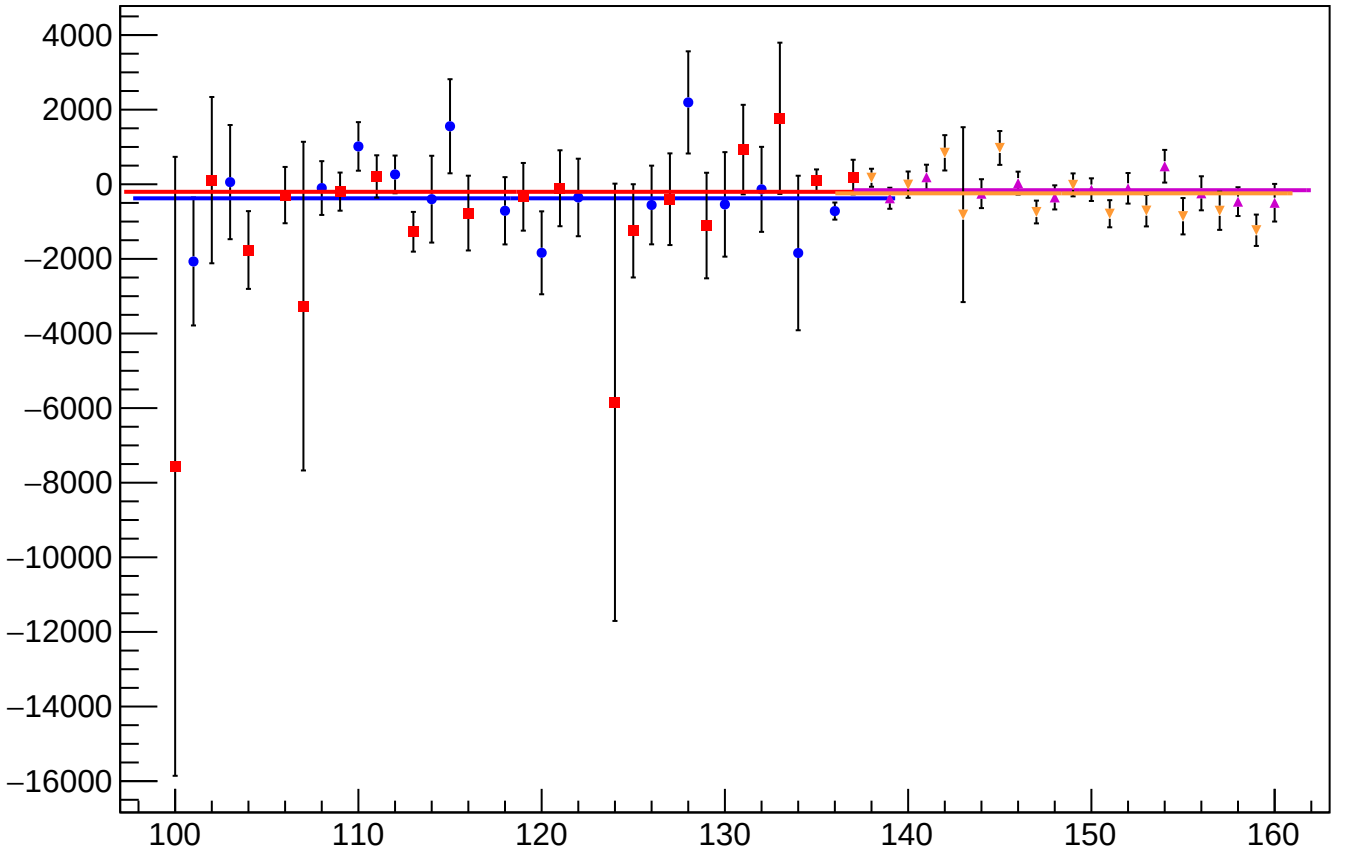
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

+ sign 1292.800+/-0.226 χ^2/NDF: 675745.2/27

All: 1288.164+/-0.158 χ^2/NDF: 1021498.6/57

- 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: -242.973+/-109.895 χ^2/NDF:30.6/11

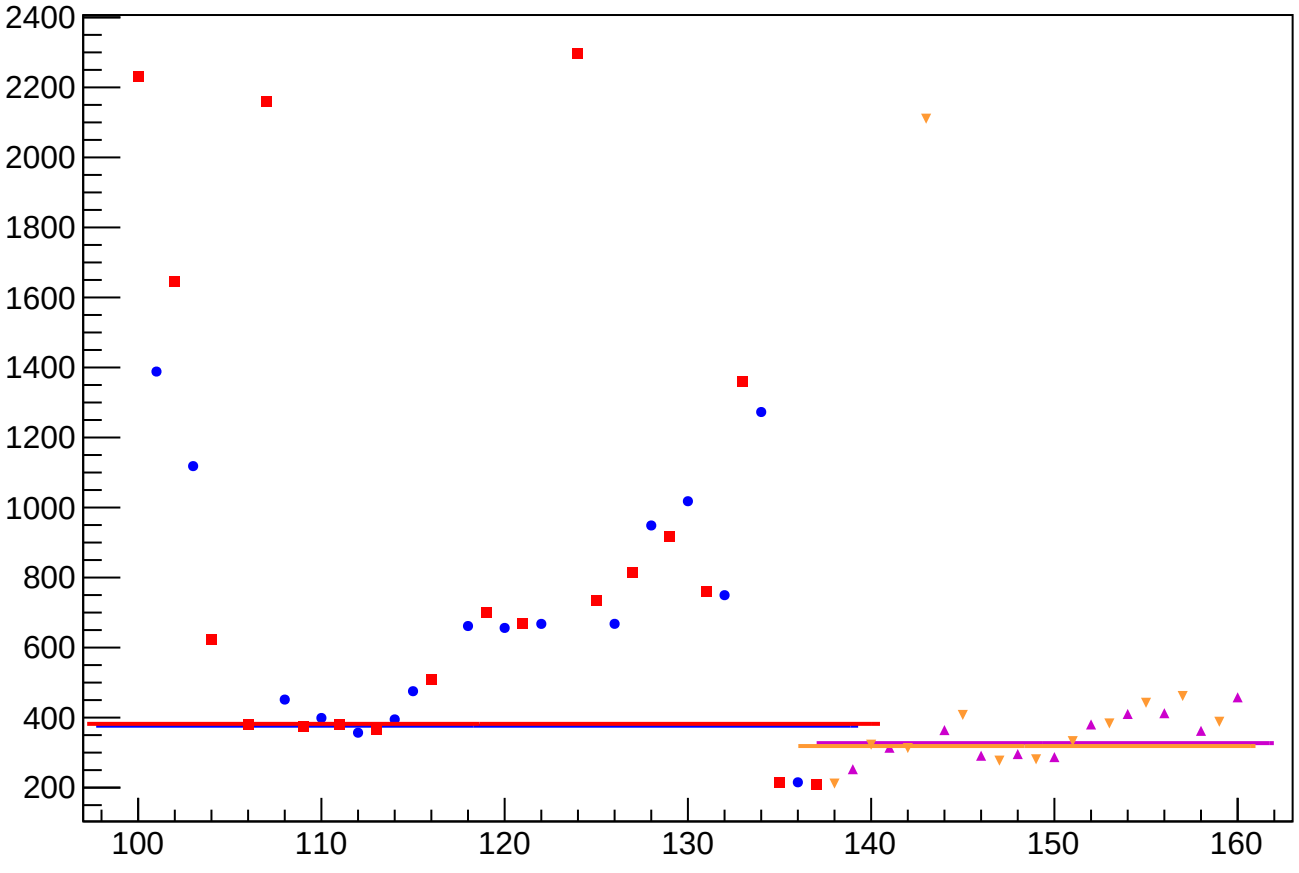
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -159.258+/-108.014 χ^2/NDF:5.7/10

+ sign -282.993+/-92.003 χ^2/NDF: 49.0/27

All: -226.759+/-64.724 χ^2/NDF: 69.5/57

- 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: 318.764+/-0.078 χ^2/NDF:2096232.9/11

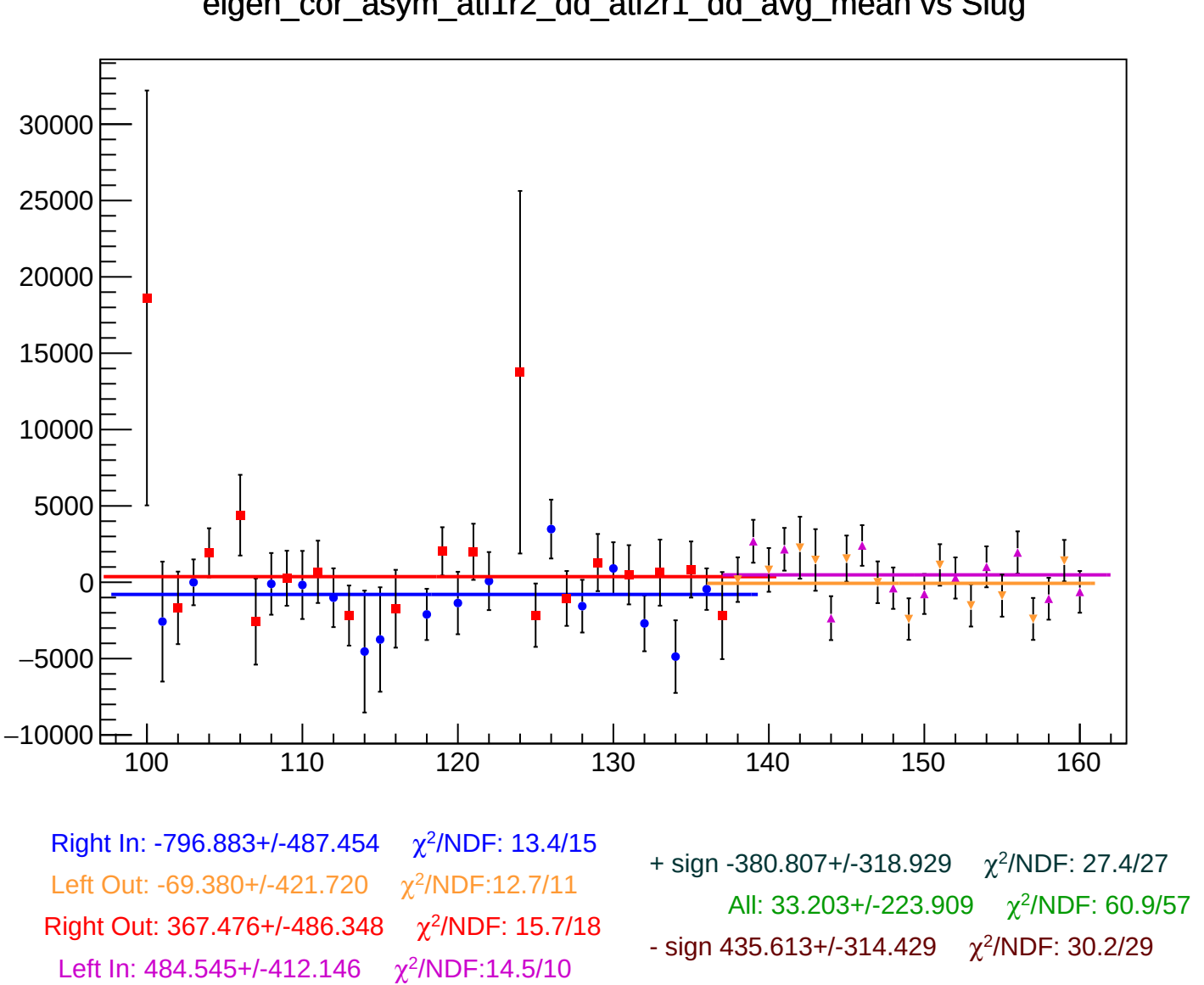
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 327.082+/-0.076 χ^2/NDF:568907.4/10

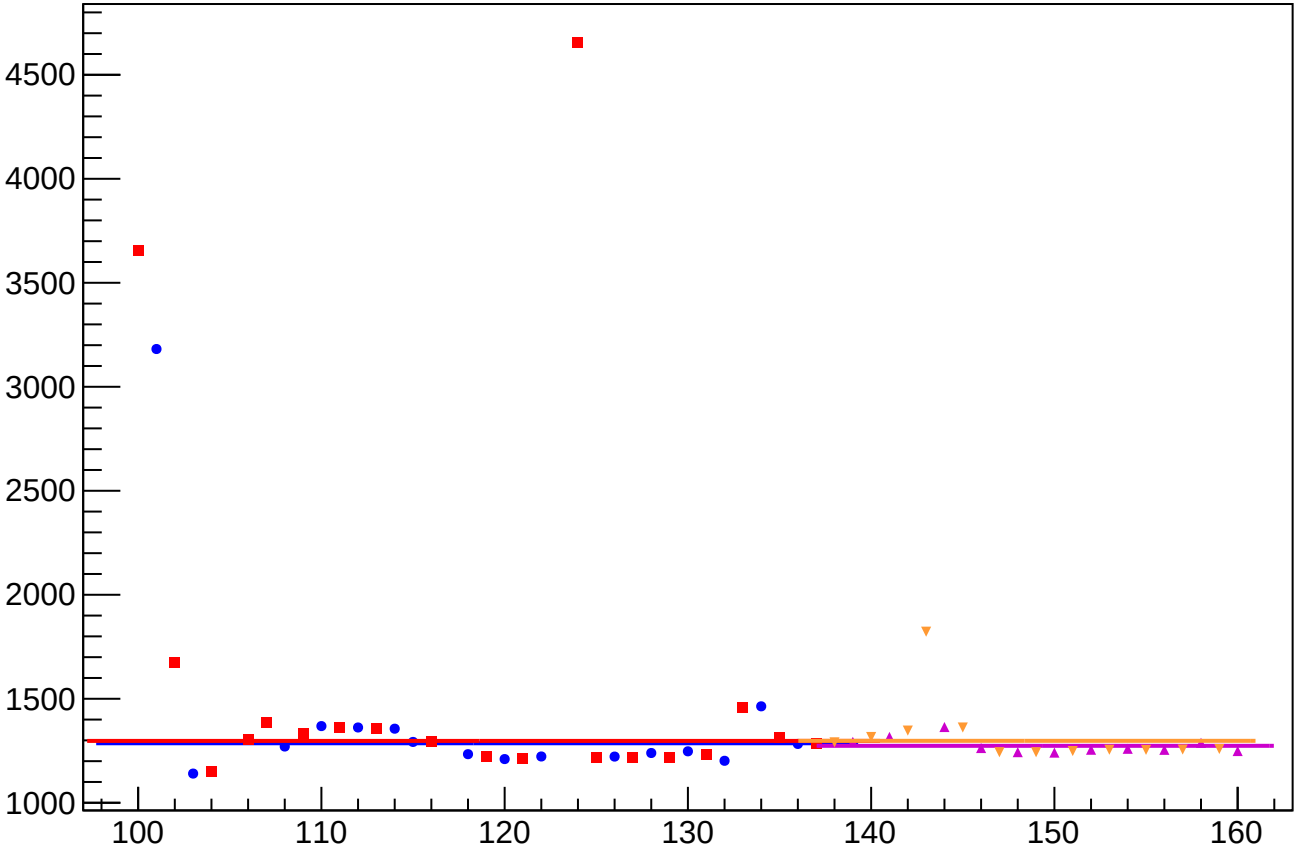
+ sign 336.149+/-0.065 χ^2/NDF: 6456882.1/27

All: 339.608+/-0.046 χ^2/NDF: 11241200.4/57

- sign 342.998+/-0.064 χ^2/NDF: 4778718.8/29


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -69.380+/-421.720 χ²/NDF:12.7/11
Right Out: 367.476+/-486.348 χ²/NDF: 15.7/18
Left In: 484.545+/-412.146 χ²/NDF:14.5/10
+ sign -380.807+/-318.929 χ²/NDF: 27.4/27
All: 33.203+/-223.909 χ²/NDF: 60.9/57
- sign 435.613+/-314.429 χ²/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: 1297.817+/-0.298 χ^2/NDF:156955.5/11

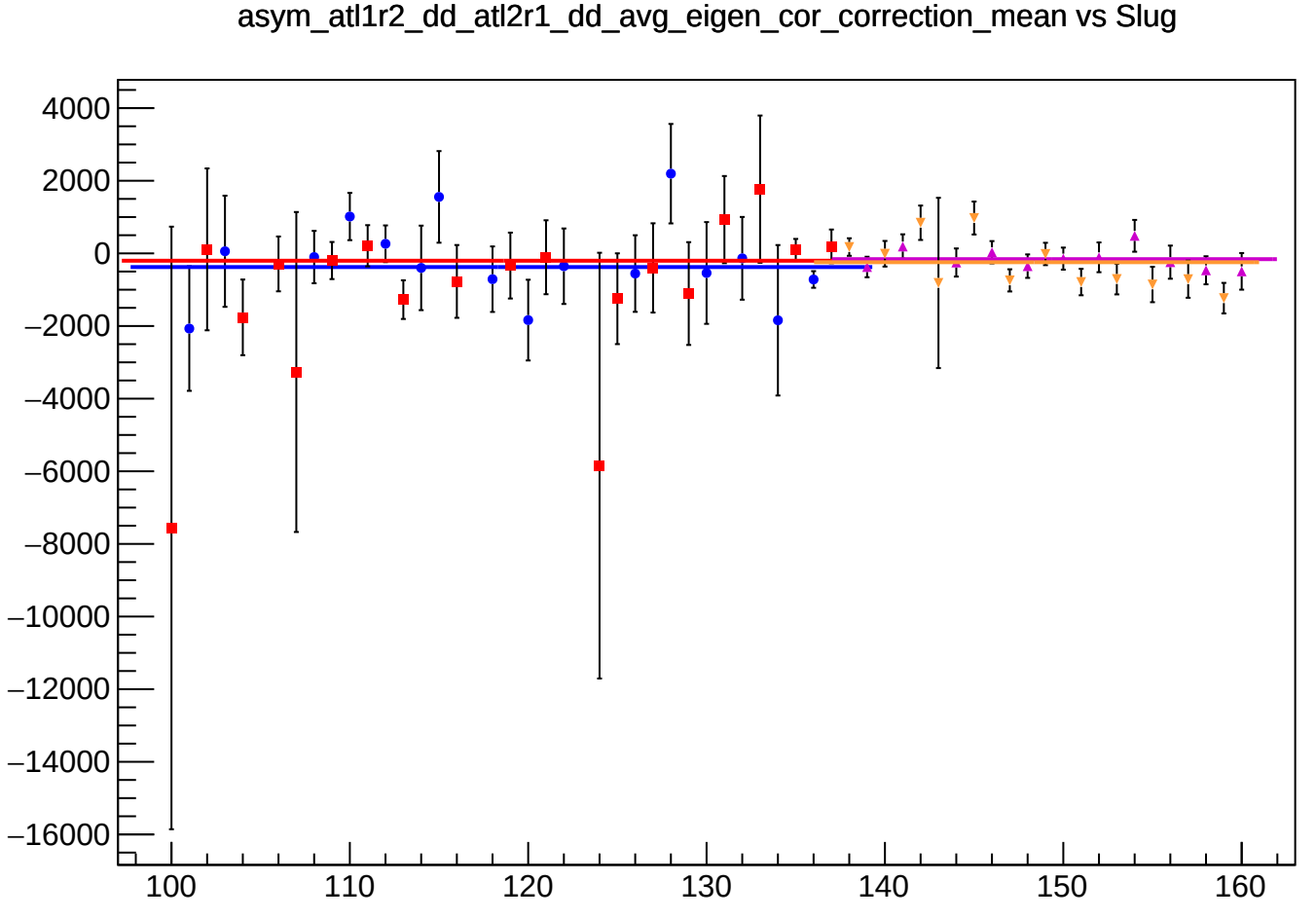
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1273.792+/-0.291 χ^2/NDF:14437.0/10

+ sign 1292.800+/-0.226 χ^2/NDF: 675745.2/27

All: 1288.164+/-0.158 χ^2/NDF: 1021498.6/57

- 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: -242.973+/-109.895 χ^2/NDF:30.6/11

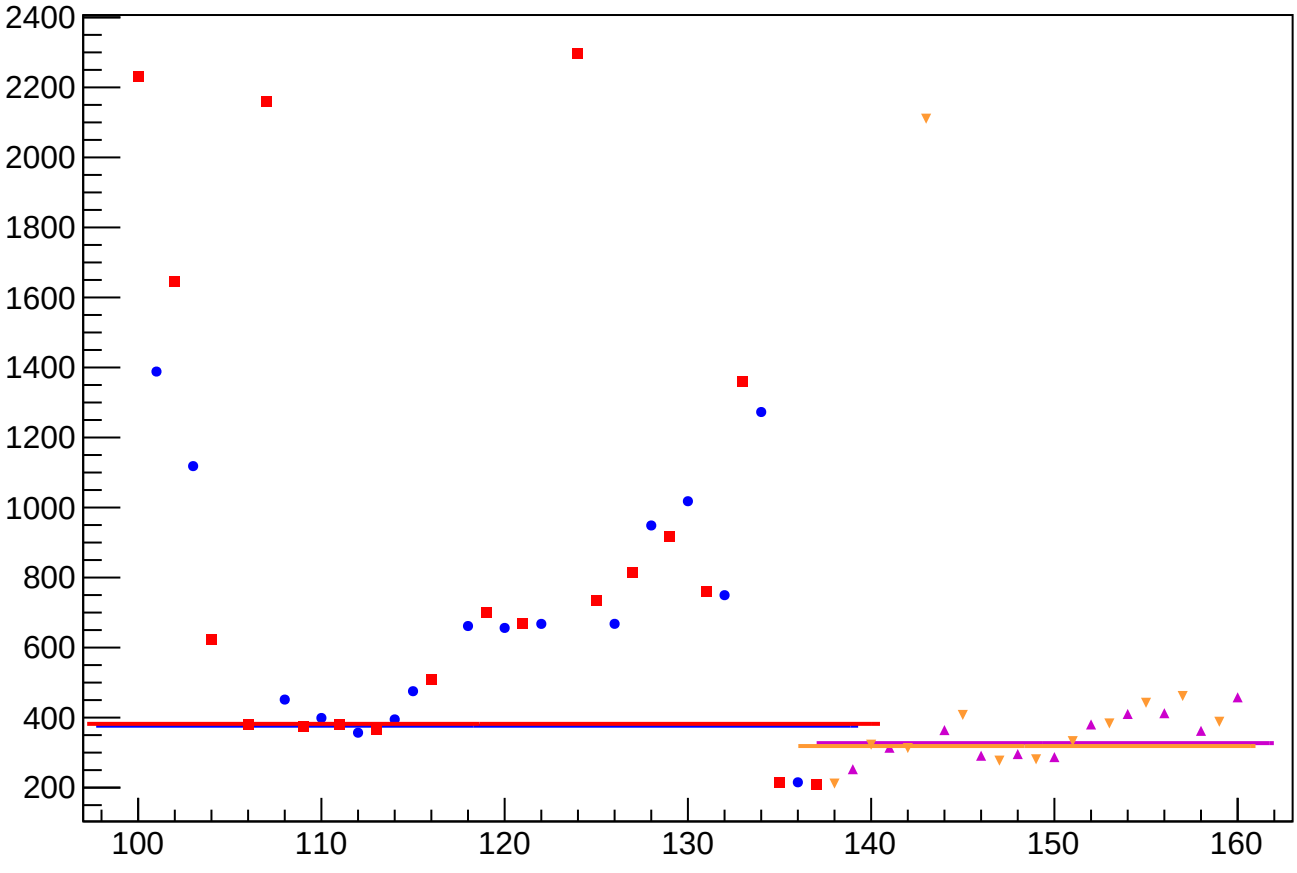
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -159.258+/-108.014 χ^2/NDF:5.7/10

+ sign -282.993+/-92.003 χ^2/NDF: 49.0/27

All: -226.759+/-64.724 χ^2/NDF: 69.5/57

- 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: 318.764+/-0.078 χ^2/NDF:2096232.9/11

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

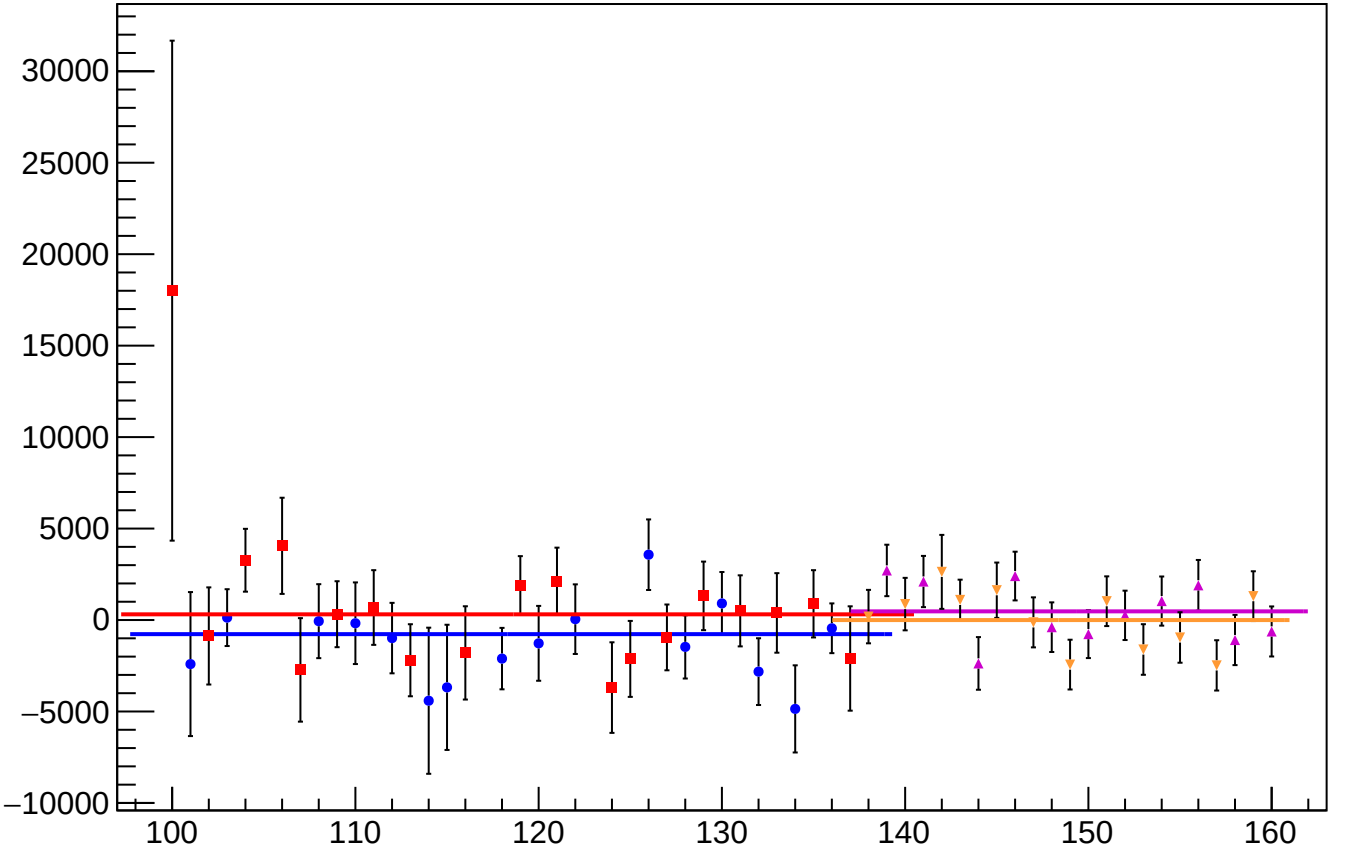
Left In: 327.082+/-0.076 χ^2/NDF:568907.4/10

+ sign 336.149+/-0.065 χ^2/NDF: 6456882.1/27

All: 339.608+/-0.046 χ^2/NDF: 11241200.4/57

- sign 342.998+/-0.064 χ^2/NDF: 4778718.8/29

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -2.439+/-402.054 χ^2/NDF:14.0/11

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

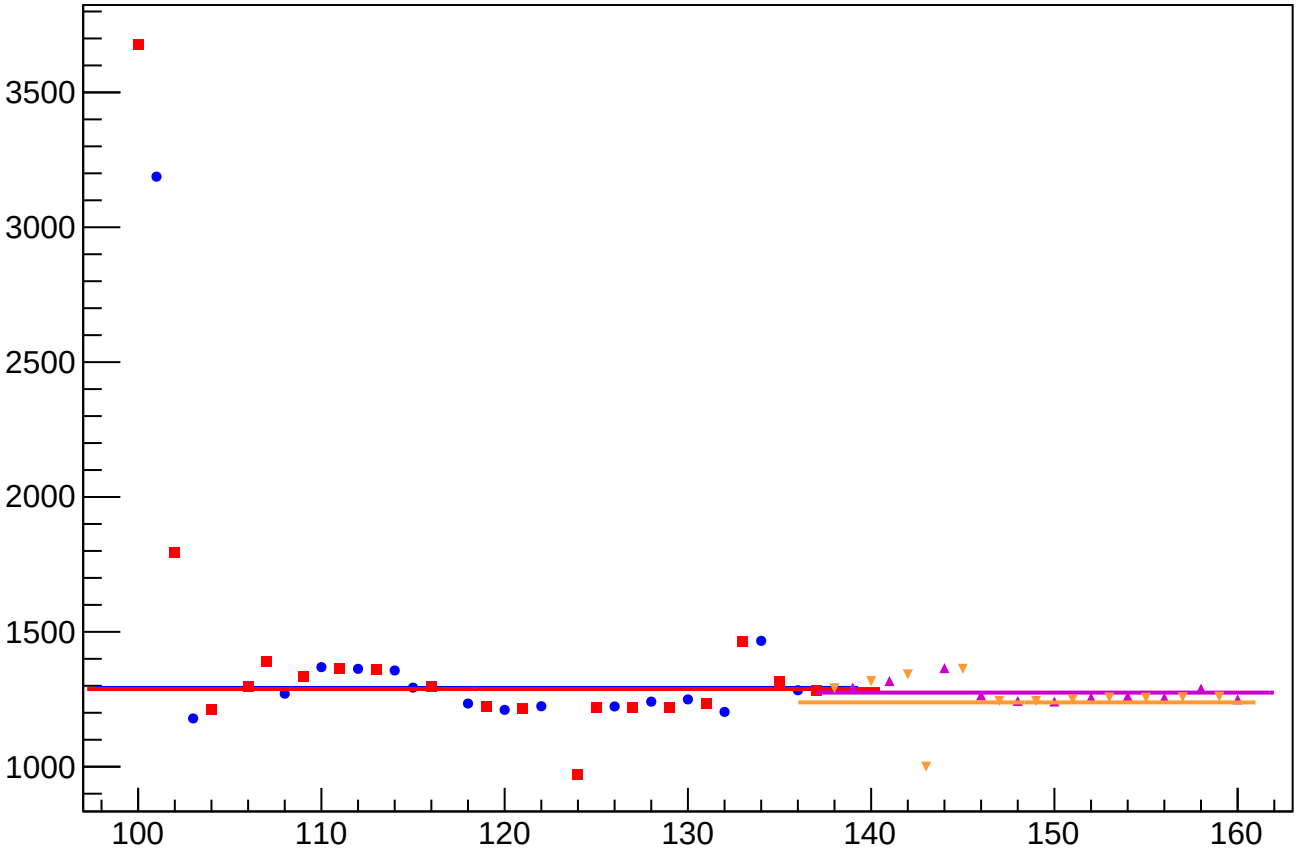
Left In: 473.817+/-412.482 χ^2/NDF:14.4/10

+ sign -312.178+/-310.715 χ^2/NDF: 29.1/27

All: 43.266+/-220.710 χ^2/NDF: 64.2/57

- 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: 1238.413+/-0.284 χ^2/NDF:121647.9/11

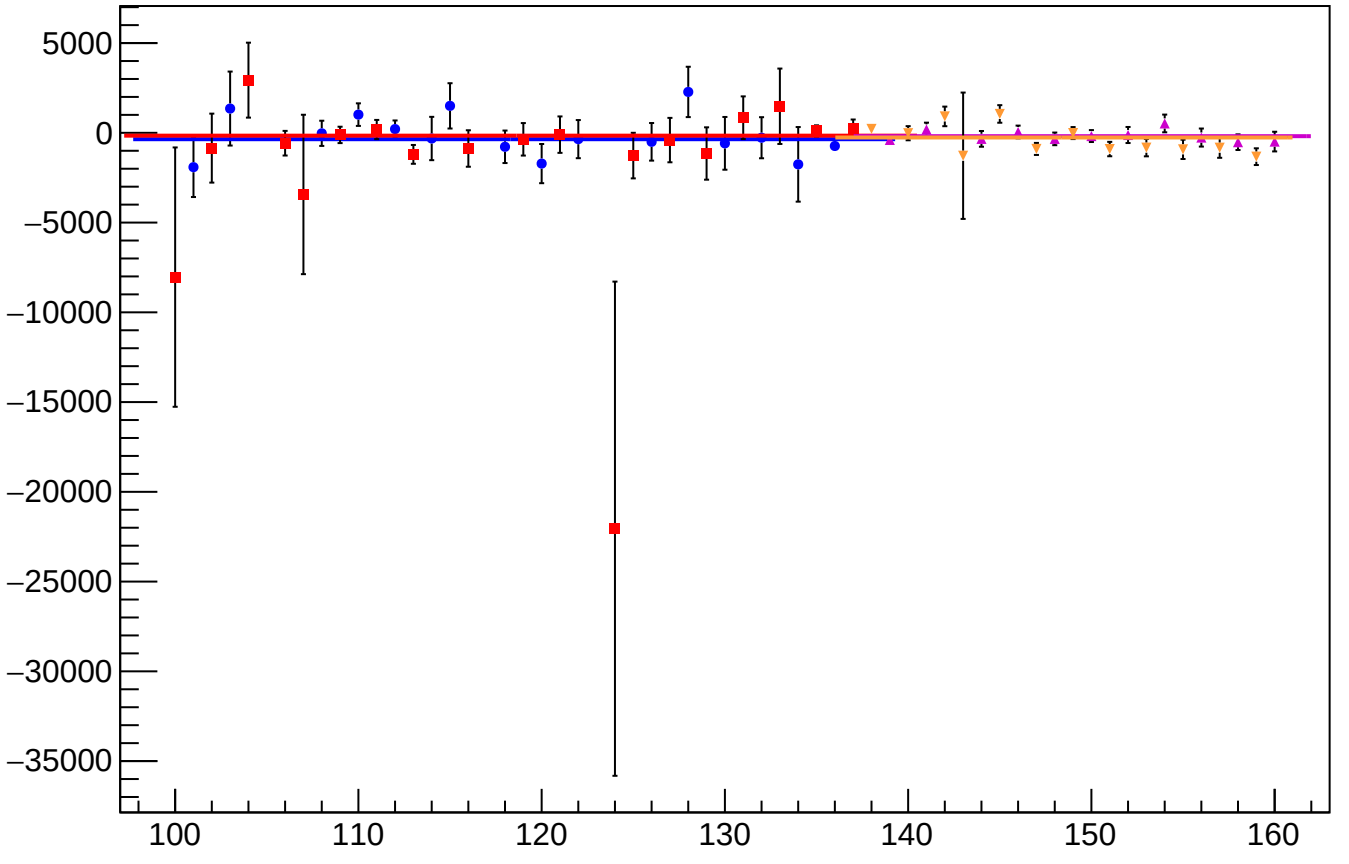
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1274.825+/-0.292 χ^2/NDF:14503.7/10

+ sign 1260.011+/-0.220 χ^2/NDF: 645383.6/27

All: 1270.103+/-0.156 χ^2/NDF: 874214.8/57

- 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: -259.770+/-119.111 χ^2/NDF:32.0/11

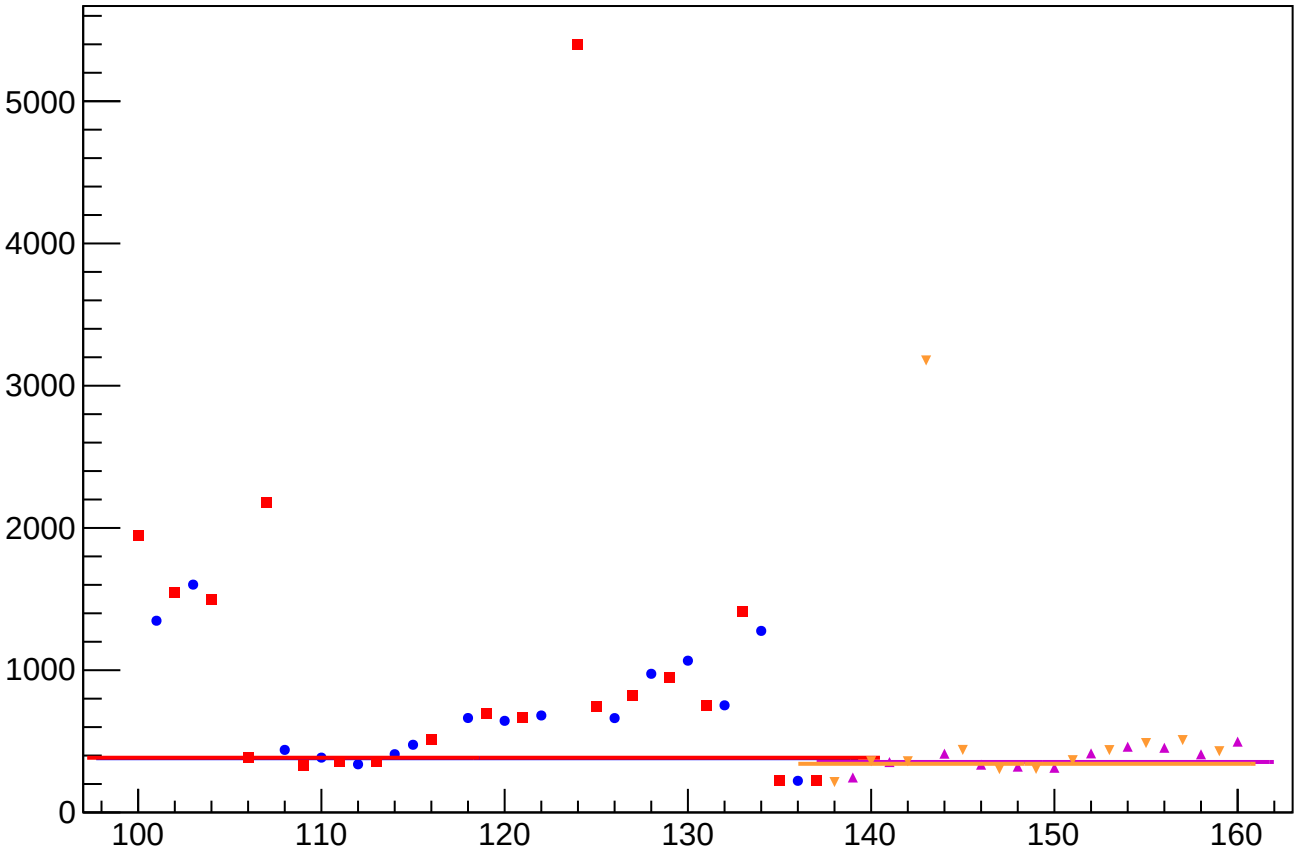
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -186.432+/-117.842 χ^2/NDF:5.3/10

+ sign -291.208+/-97.544 χ^2/NDF: 50.7/27

All: -233.737+/-68.705 χ^2/NDF: 72.5/57

- 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: 342.022+/-0.084 χ^2/NDF:2469442.6/11

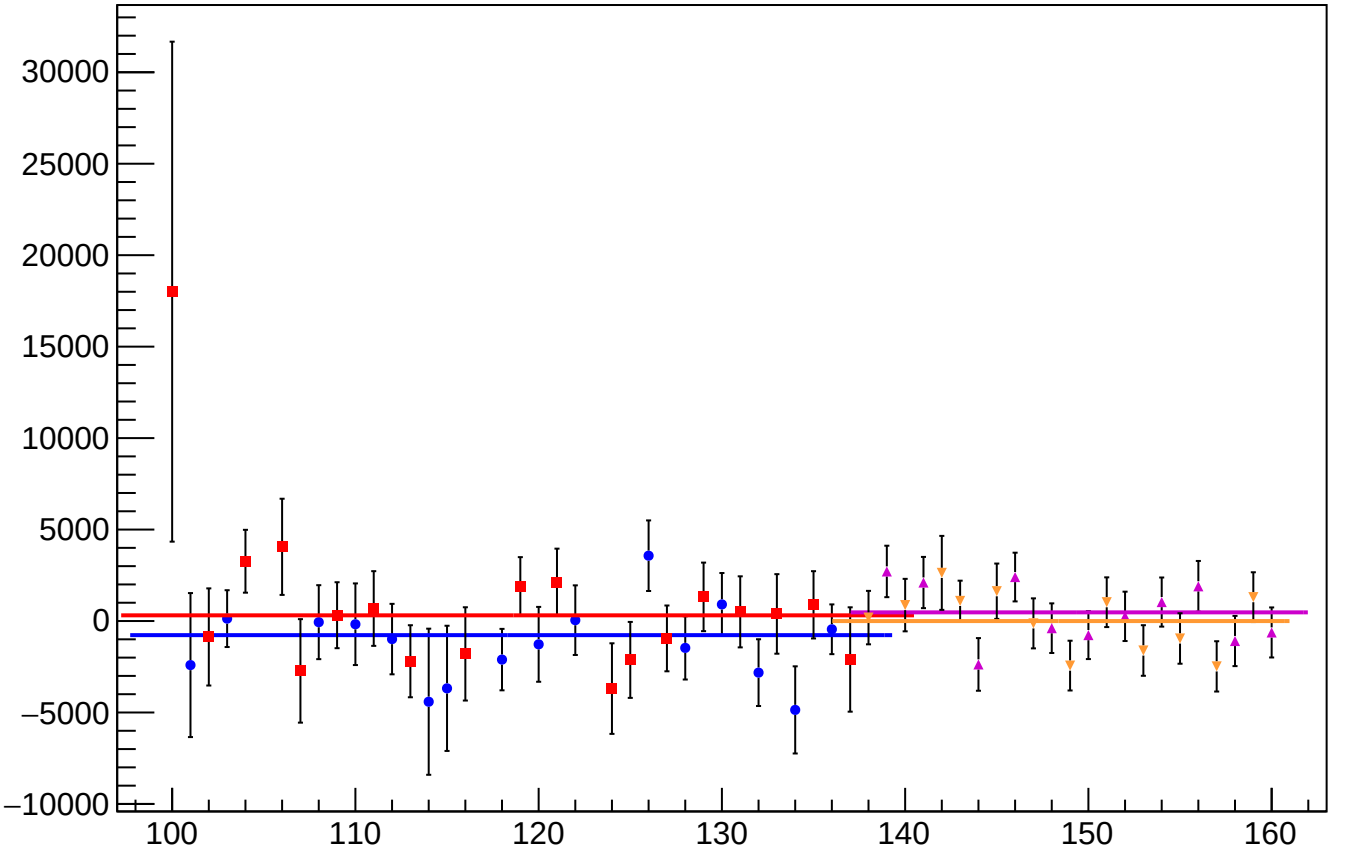
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 354.877+/-0.083 χ^2/NDF:775905.4/10

+ sign 354.974+/-0.069 χ^2/NDF: 6859170.9/27

All: 359.808+/-0.049 χ^2/NDF: 12246576.8/57

- 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: -2.439+/-402.054 χ^2/NDF:14.0/11

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

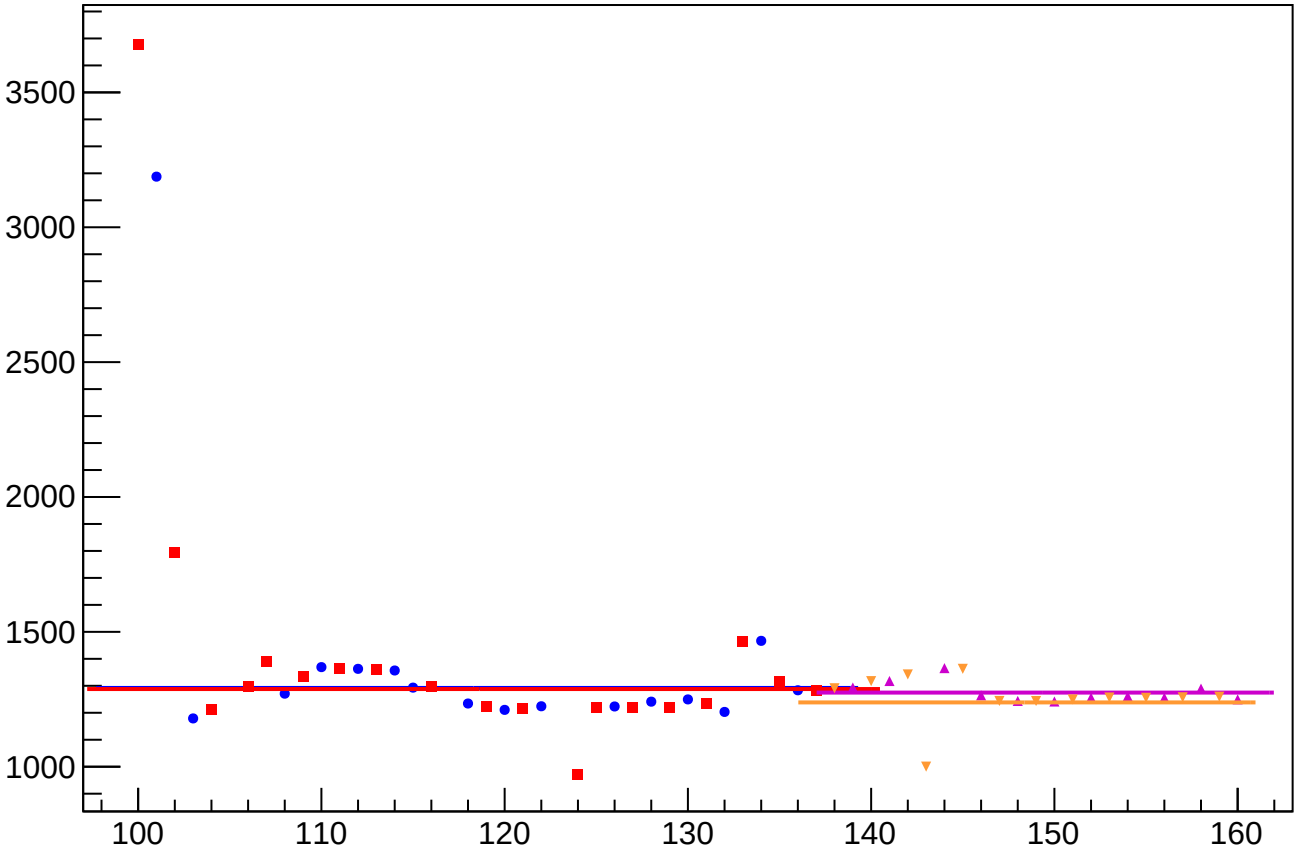
Left In: 473.816+/-412.482 χ^2/NDF:14.4/10

+ sign -312.179+/-310.715 χ^2/NDF: 29.1/27

All: 43.265+/-220.710 χ^2/NDF: 64.2/57

- 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: 1238.413+/-0.284 χ^2/NDF:121647.1/11

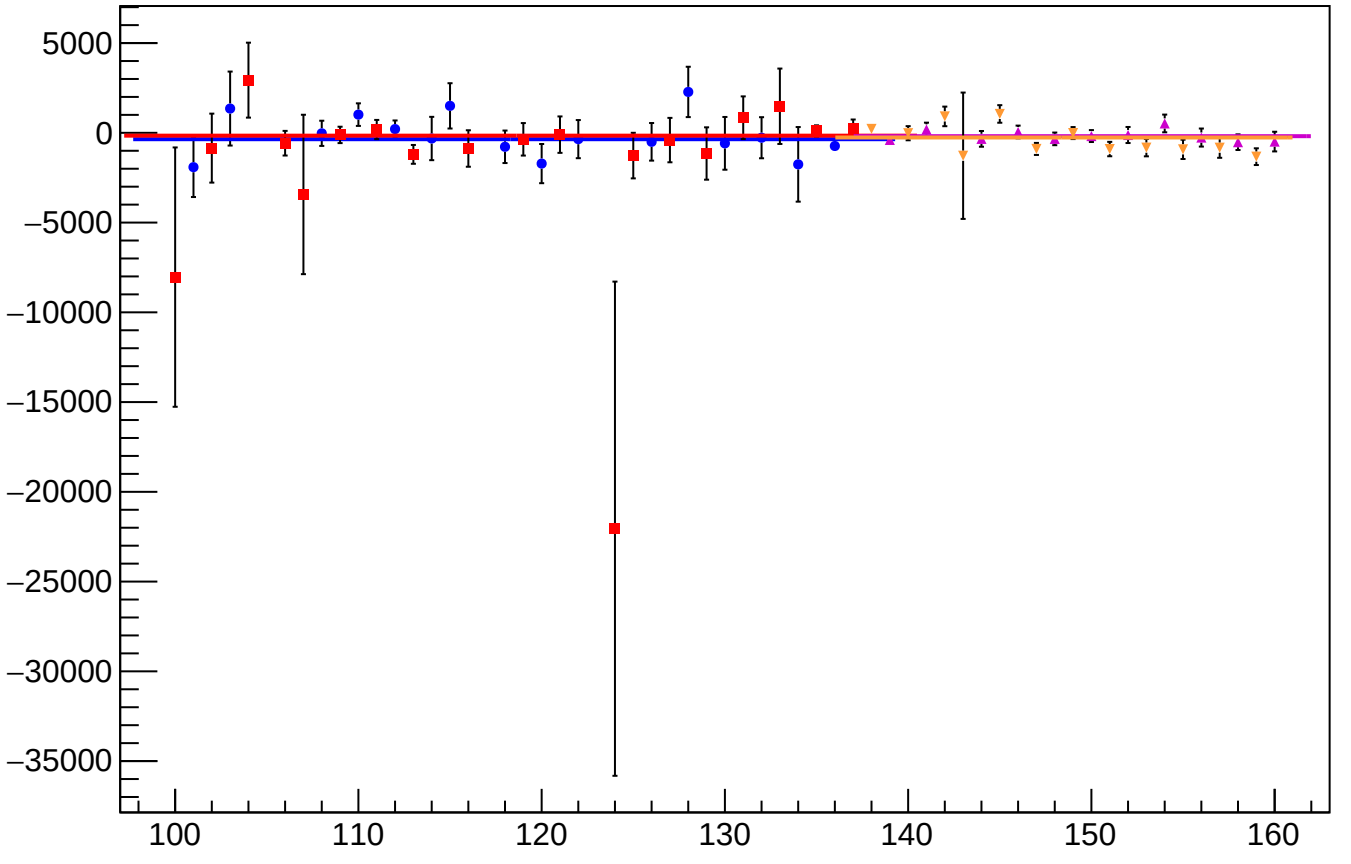
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1274.825+/-0.292 χ^2/NDF:14503.7/10

\+ sign 1260.011+/-0.220 χ^2/NDF: 645382.7/27

All: 1270.103+/-0.156 χ^2/NDF: 874214.1/57

\- 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: -259.781+/-119.113 χ^2/NDF:32.0/11

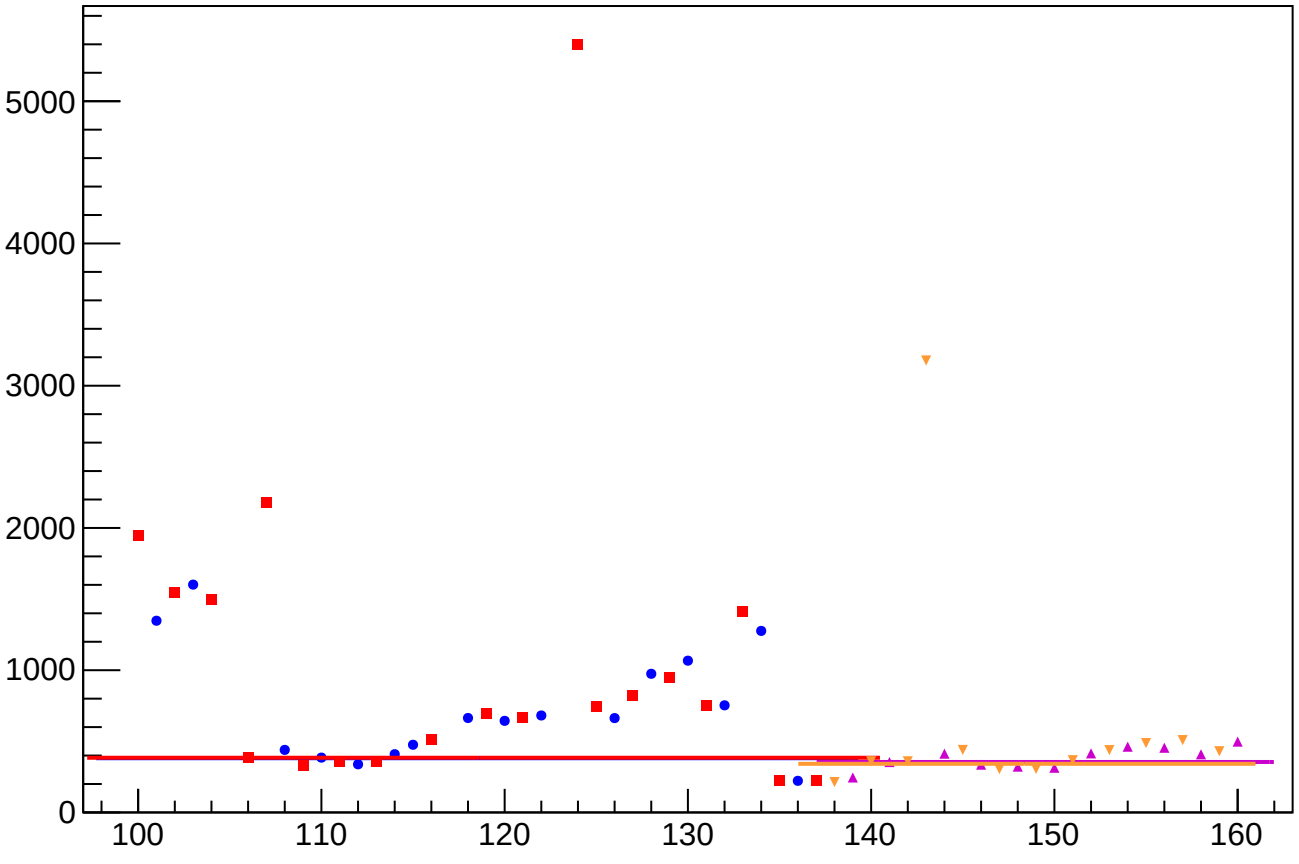
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -186.432+/-117.844 χ^2/NDF:5.3/10

+ sign -291.215+/-97.546 χ^2/NDF: 50.7/27

All: -233.741+/-68.706 χ^2/NDF: 72.5/57

- 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: 342.029+/-0.084 χ^2/NDF:2469281.6/11

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

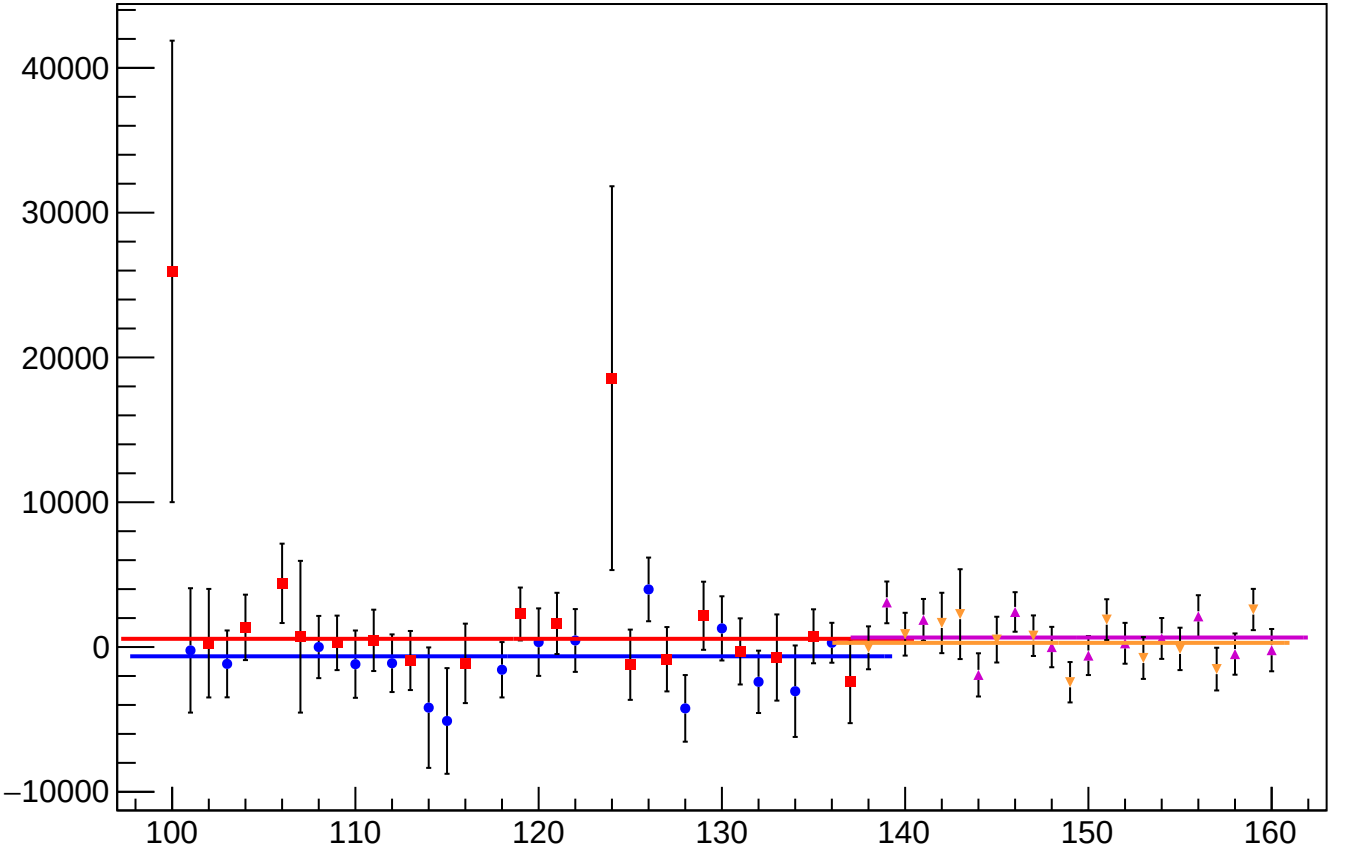
Left In: 354.882+/-0.083 χ^2/NDF:775808.4/10

+ sign 354.982+/-0.069 χ^2/NDF: 6858833.6/27

All: 359.814+/-0.049 χ^2/NDF: 12246004.8/57

- 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: 288.206+/-443.931 χ^2/NDF:11.0/11

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

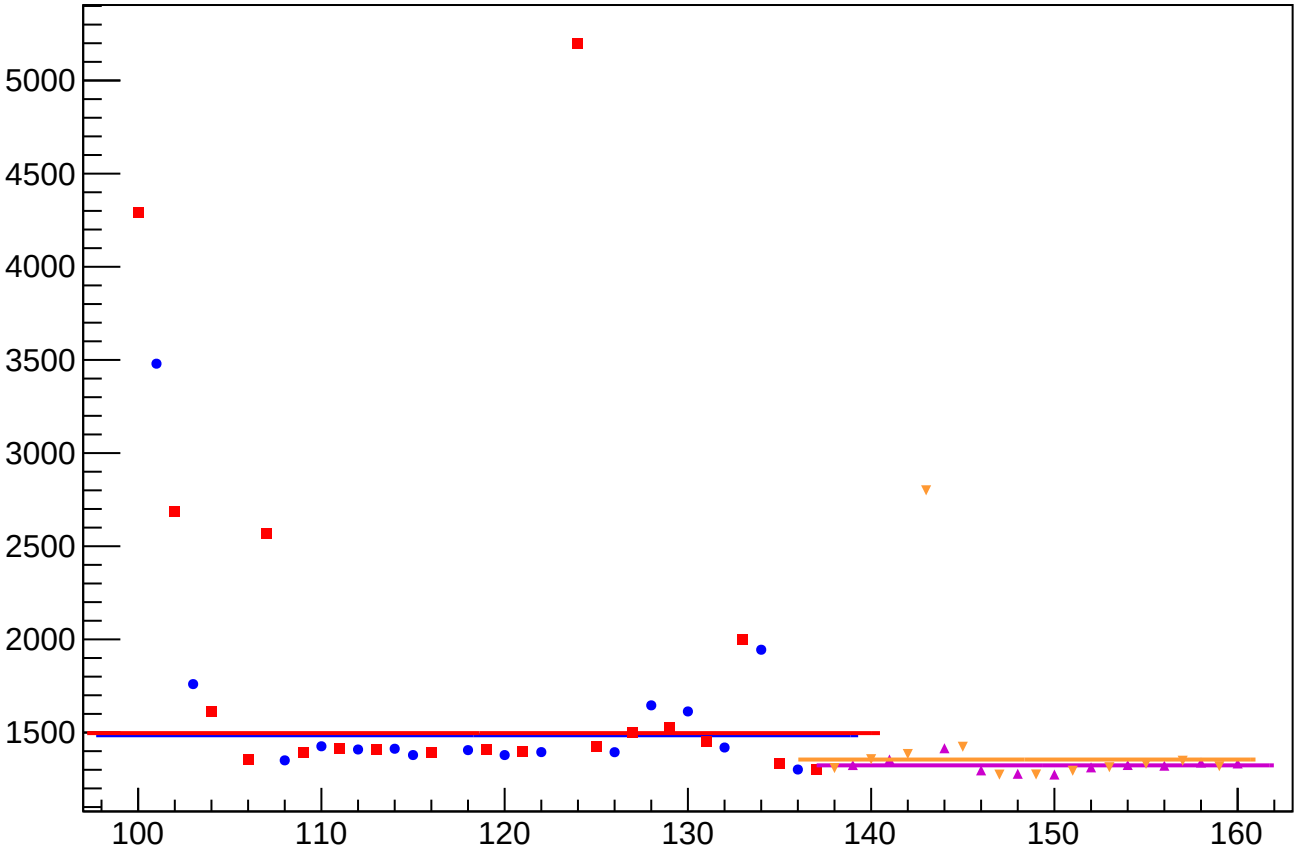
Left In: 657.388+/-428.345 χ^2/NDF:11.4/10

+ sign -66.903+/-348.921 χ^2/NDF: 25.2/27

All: 286.059+/-244.142 χ^2/NDF: 49.9/57

- 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: 1355.044+/-0.314 χ^2/NDF:460197.8/11

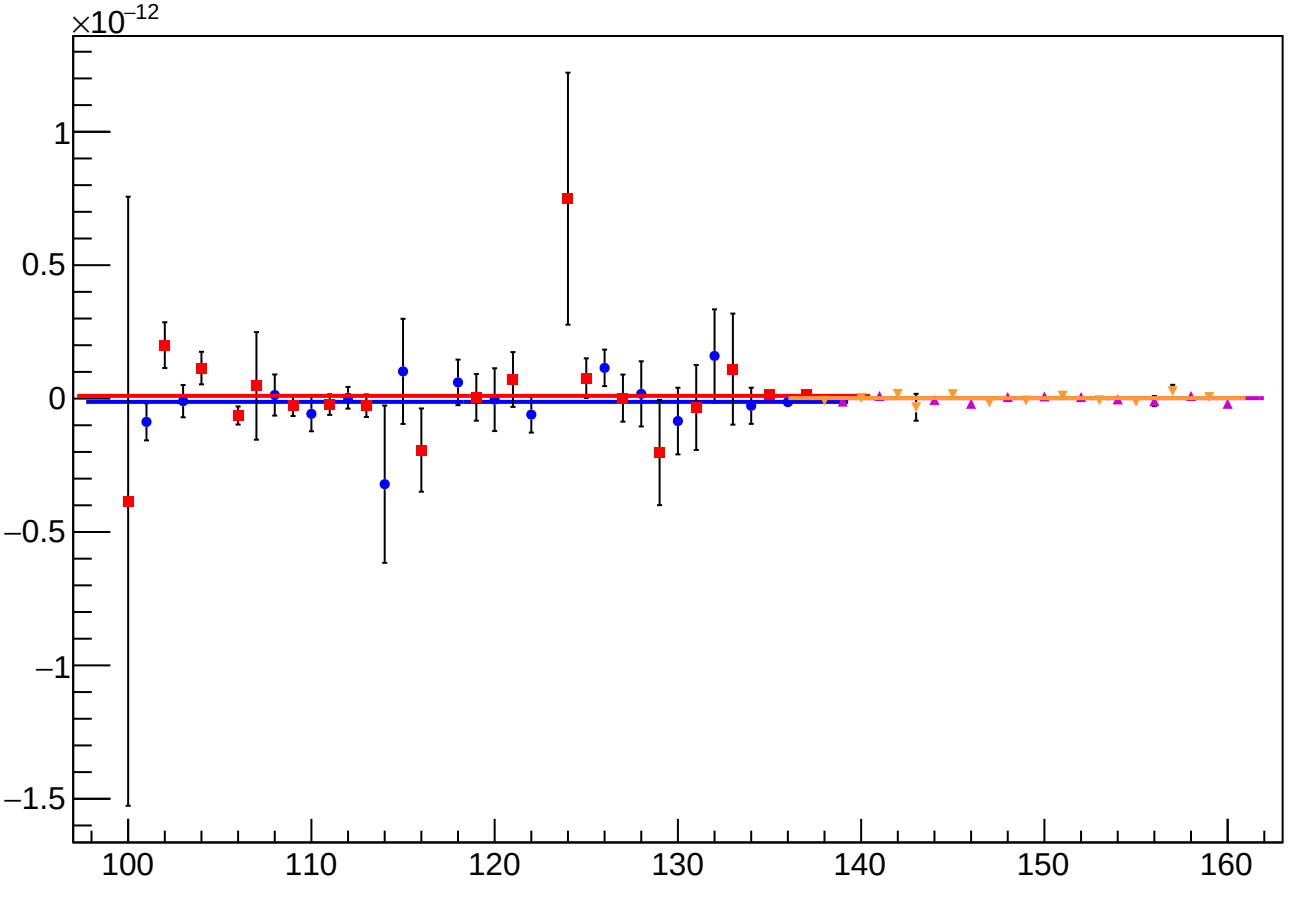
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1323.807+/-0.303 χ^2/NDF:14526.0/10

+ sign 1404.860+/-0.247 χ^2/NDF: 1110553.9/27

All: 1395.601+/-0.173 χ^2/NDF: 1869810.8/57

- 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:12.1/11

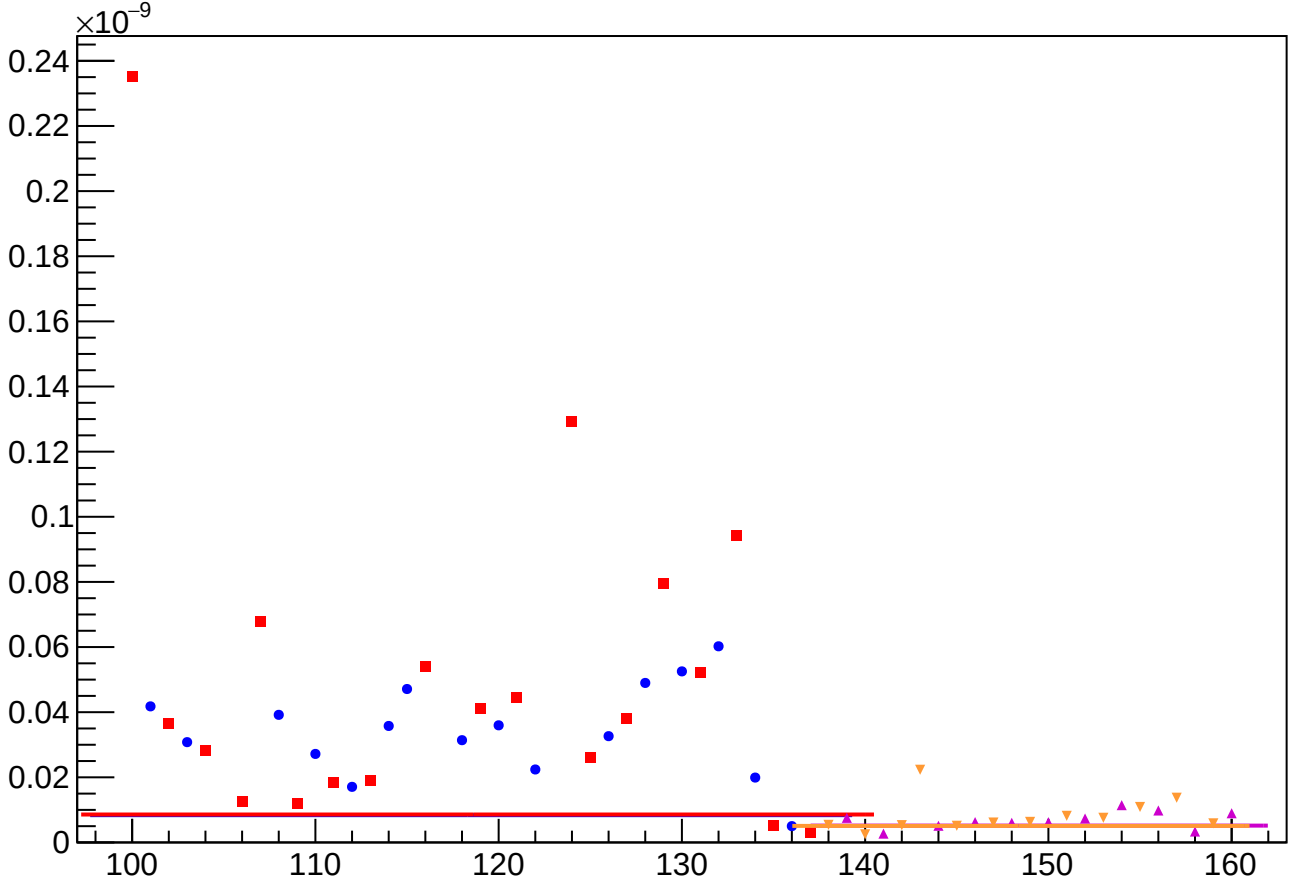
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 24.8/27

All: 0.000+/-0.000 χ^2/NDF: 61.4/57

- 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:1534636.1/11

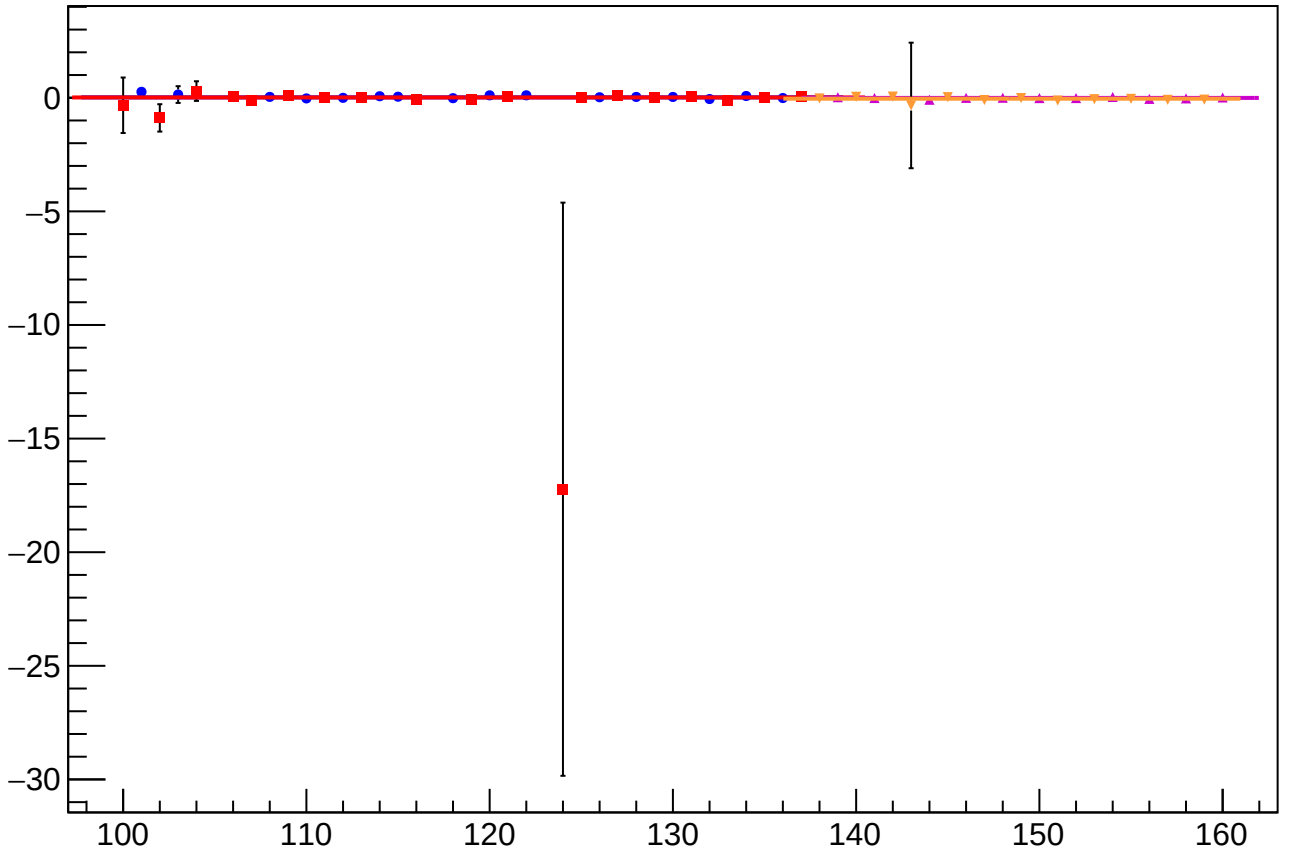
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1207527.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 4936313.2/27

All: 0.000+/-0.000 χ^2/NDF: 9812826.6/57

- 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: -0.041+/-0.013 χ^2/NDF:17.3/11

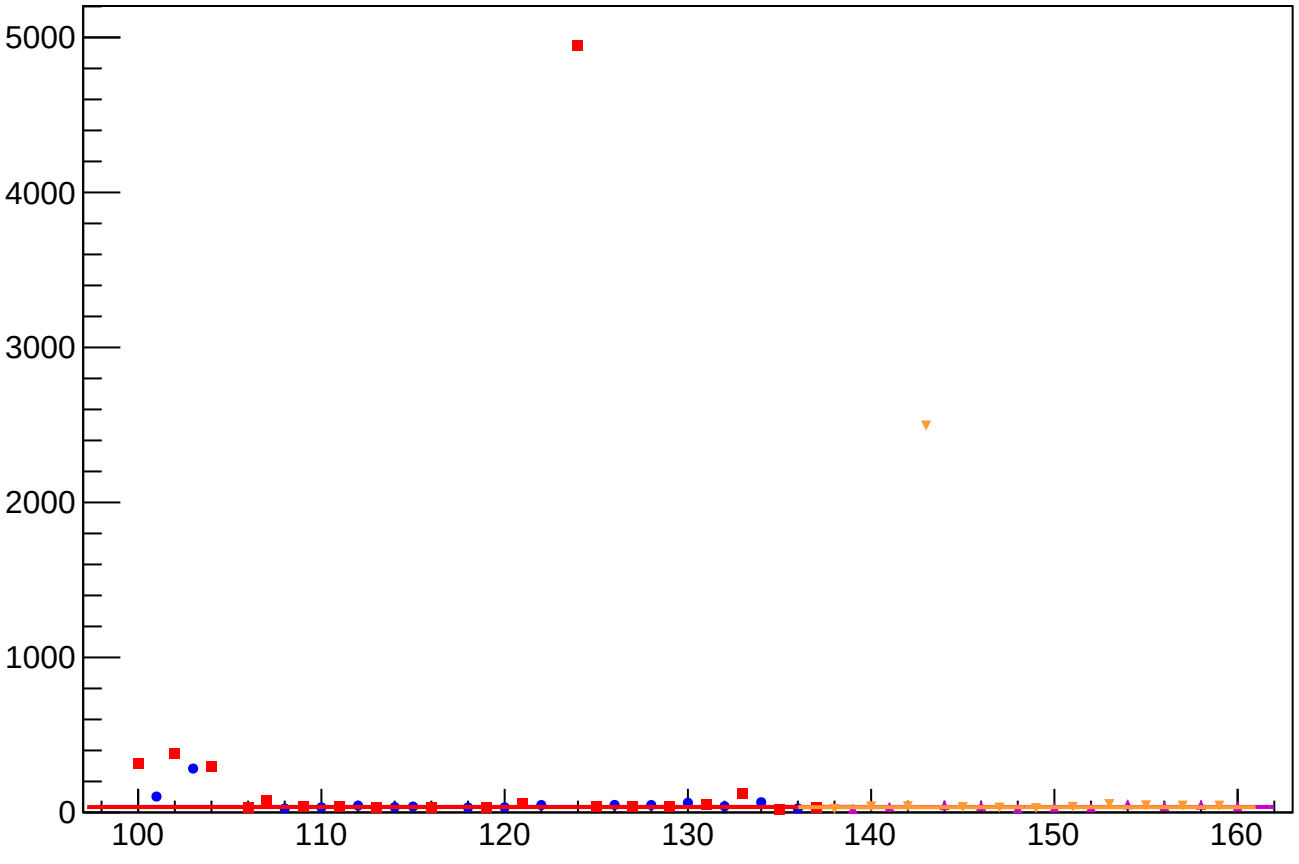
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.008+/-0.007 χ^2/NDF: 61.5/57

- sign 0.001+/-0.010 χ^2/NDF: 22.3/29



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.934+/-0.009 χ^2/NDF:2526288.4/11

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

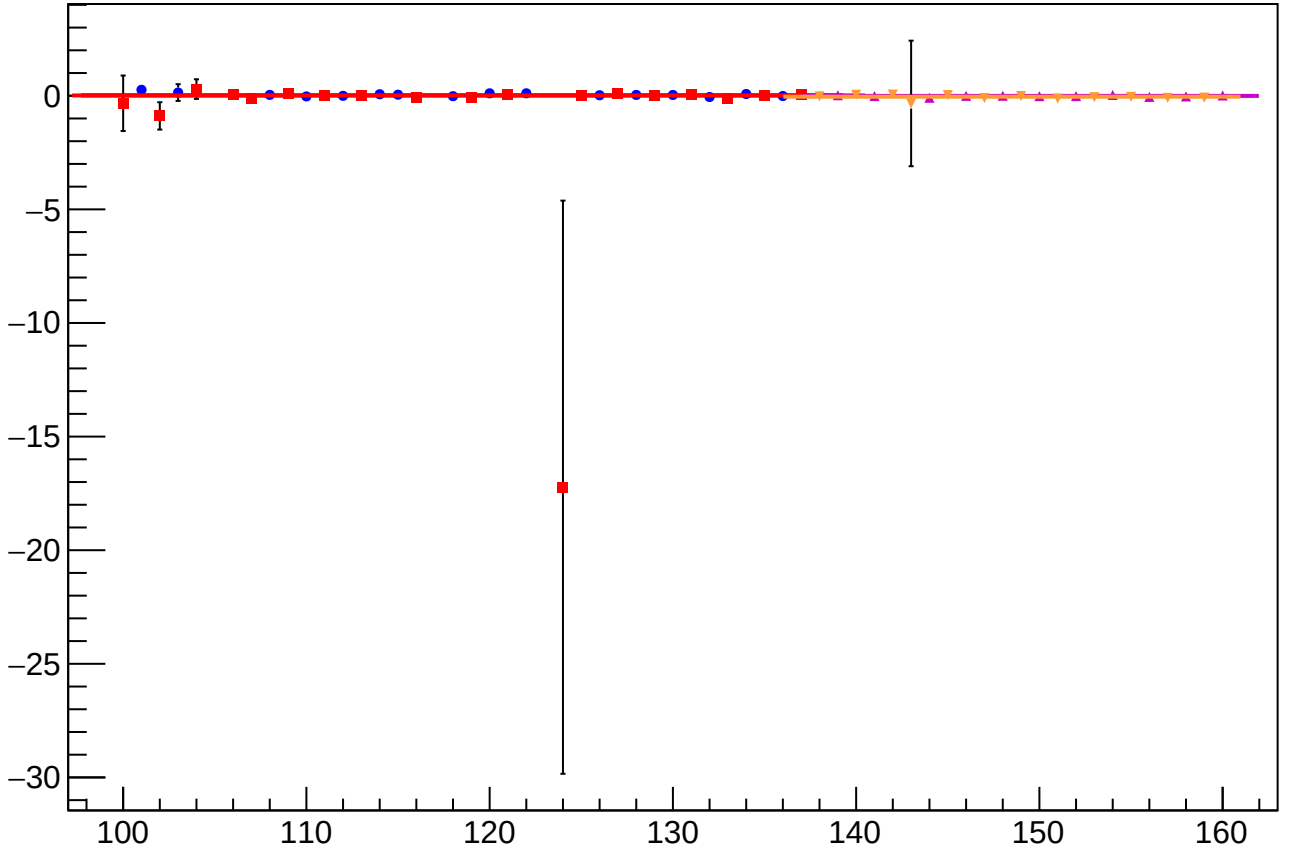
Left In: 35.469+/-0.009 χ^2/NDF:922702.9/10

+ sign 34.657+/-0.007 χ^2/NDF: 4807506.1/27

All: 34.929+/-0.005 χ^2/NDF: 8649703.0/57

- sign 35.204+/-0.007 χ^2/NDF: 3839084.1/29

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.041+/-0.013 χ^2/NDF:17.3/11

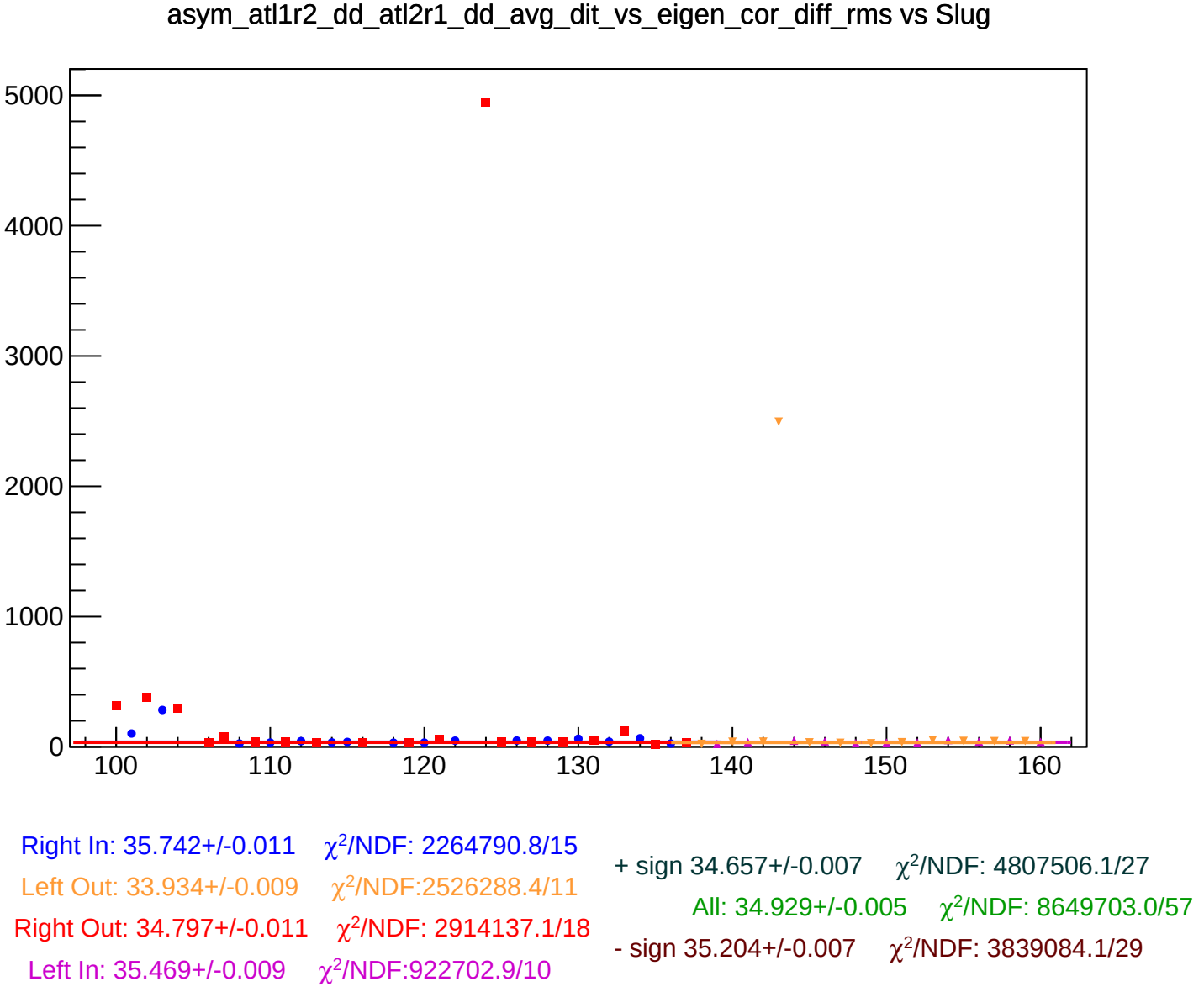
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

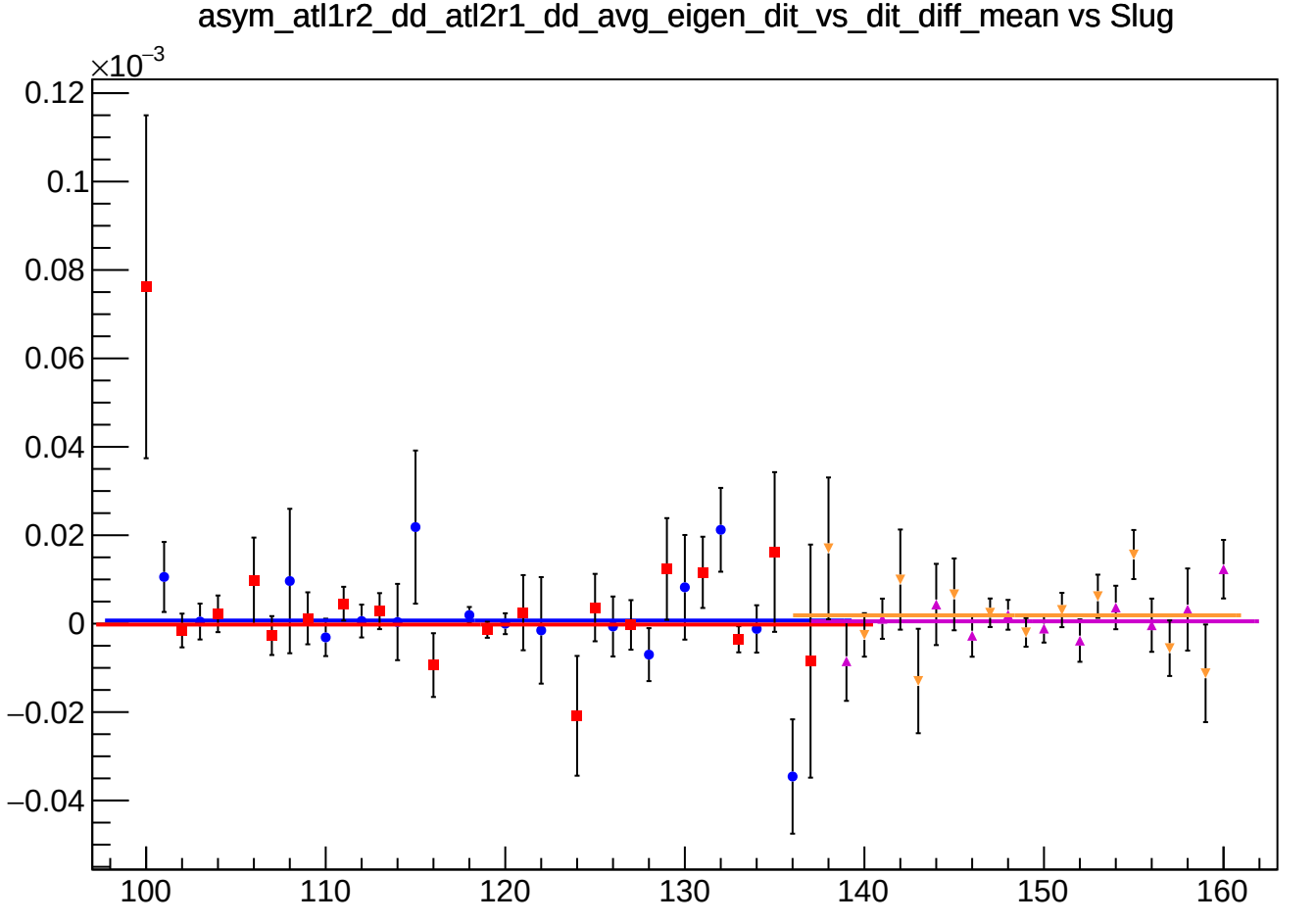
Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

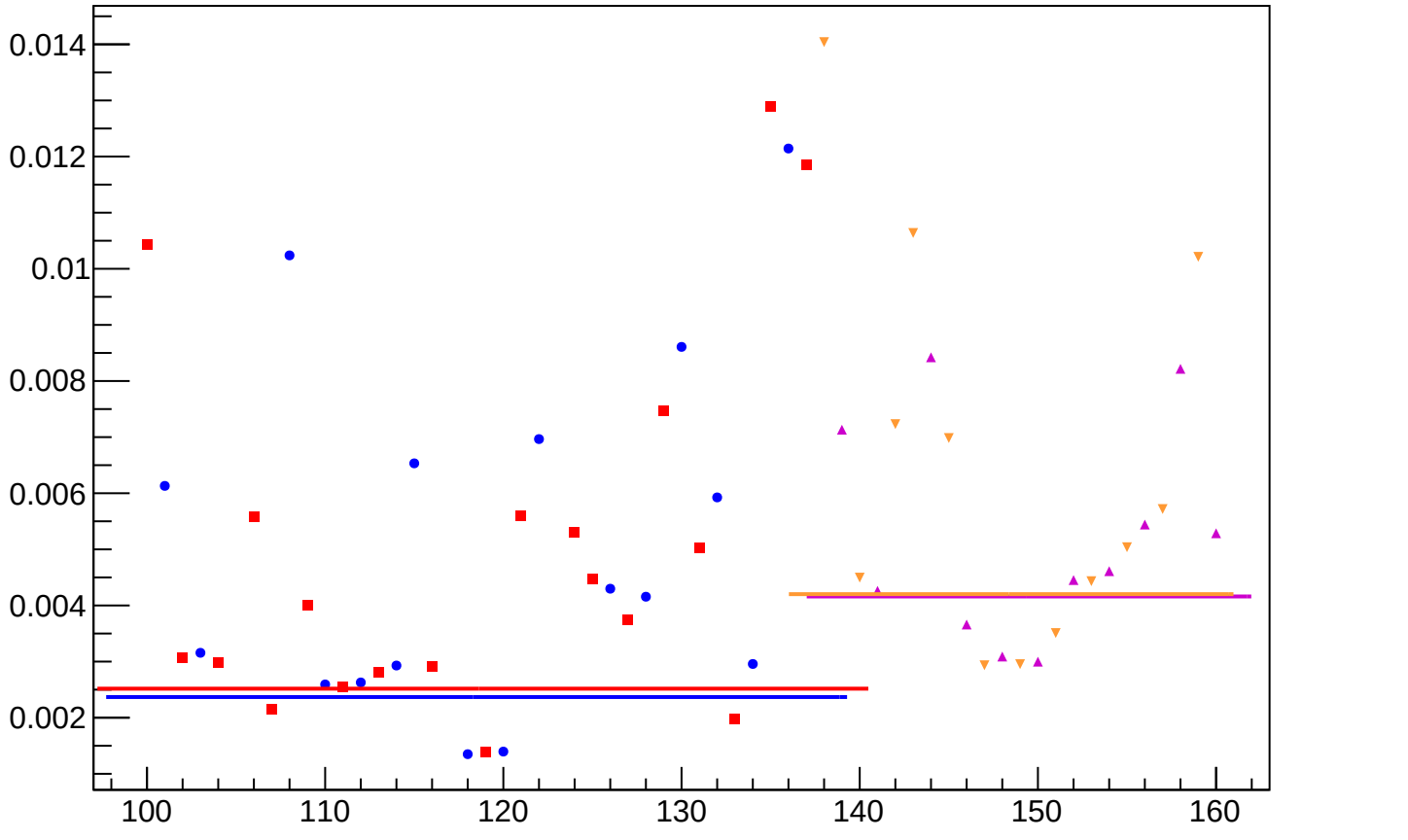
+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.008+/-0.007 χ^2/NDF: 61.5/57

- 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
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
Right In: 35.742+/-0.011 χ²/NDF: 2264790.8/15
Left Out: 33.934+/-0.009 χ²/NDF:2526288.4/11
Right Out: 34.797+/-0.011 χ²/NDF: 2914137.1/18
Left In: 35.469+/-0.009 χ²/NDF:922702.9/10
+ sign 34.657+/-0.007 χ²/NDF: 4807506.1/27
All: 34.929+/-0.005 χ²/NDF: 8649703.0/57
- sign 35.204+/-0.007 χ²/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:15.4/11
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: 34.9/27
All: 0.000+/-0.000 χ²/NDF: 60.5/57
- 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:3160270.0/11

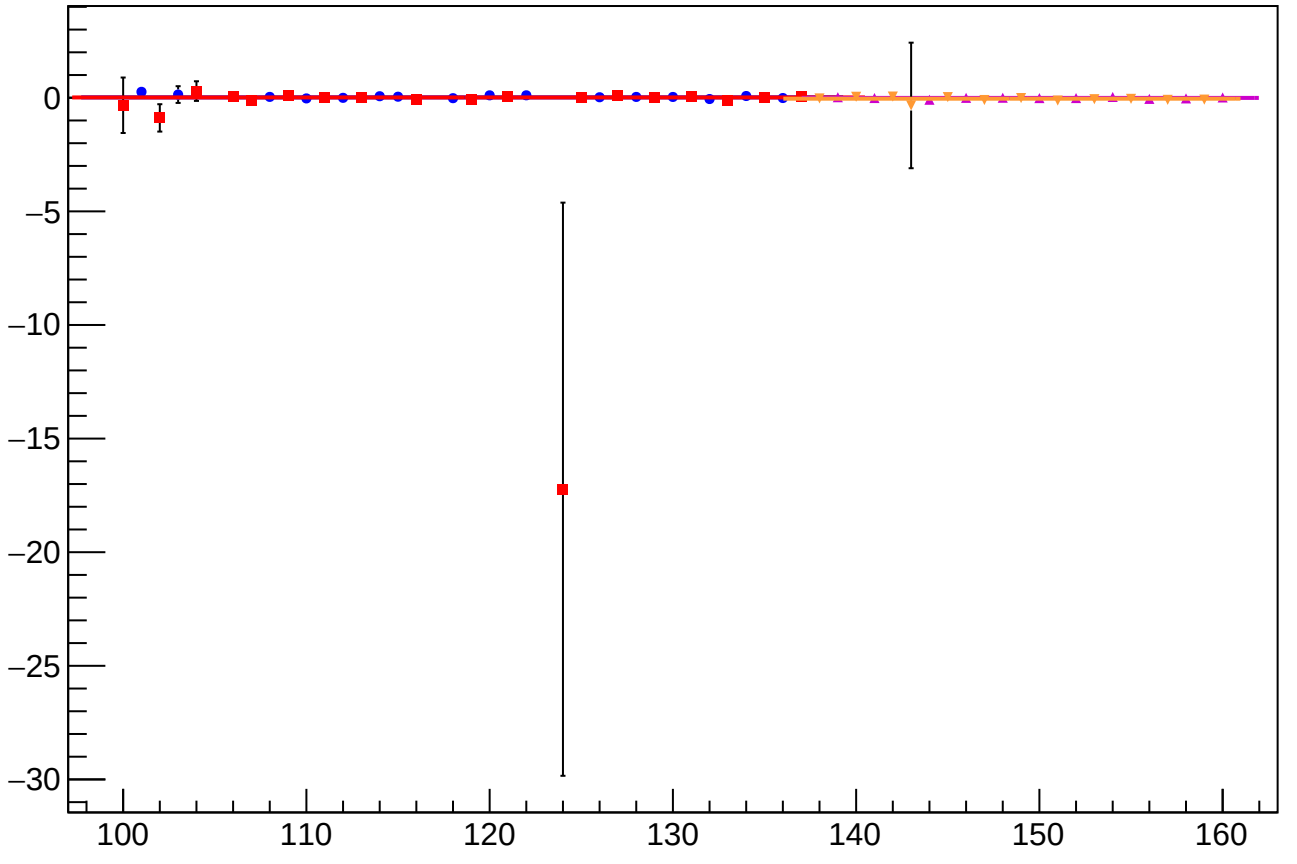
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1697642.3/10

+ sign 0.003+/-0.000 χ^2/NDF: 9807670.0/27

All: 0.003+/-0.000 χ^2/NDF: 16519969.1/57

- 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: -0.041+/-0.013 χ^2/NDF:17.3/11

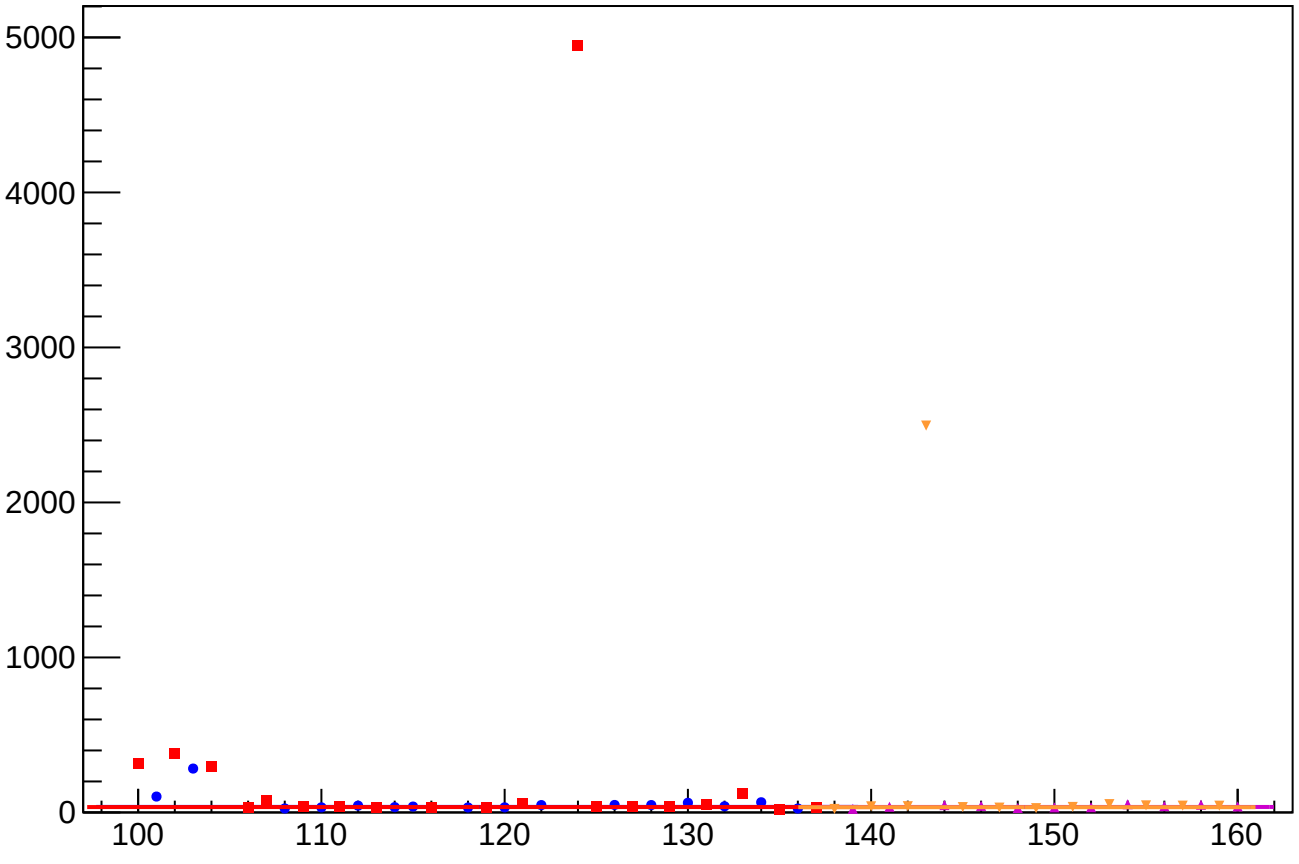
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.008+/-0.007 χ^2/NDF: 61.5/57

- 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: 33.934+/-0.009 χ^2/NDF:2526621.8/11

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

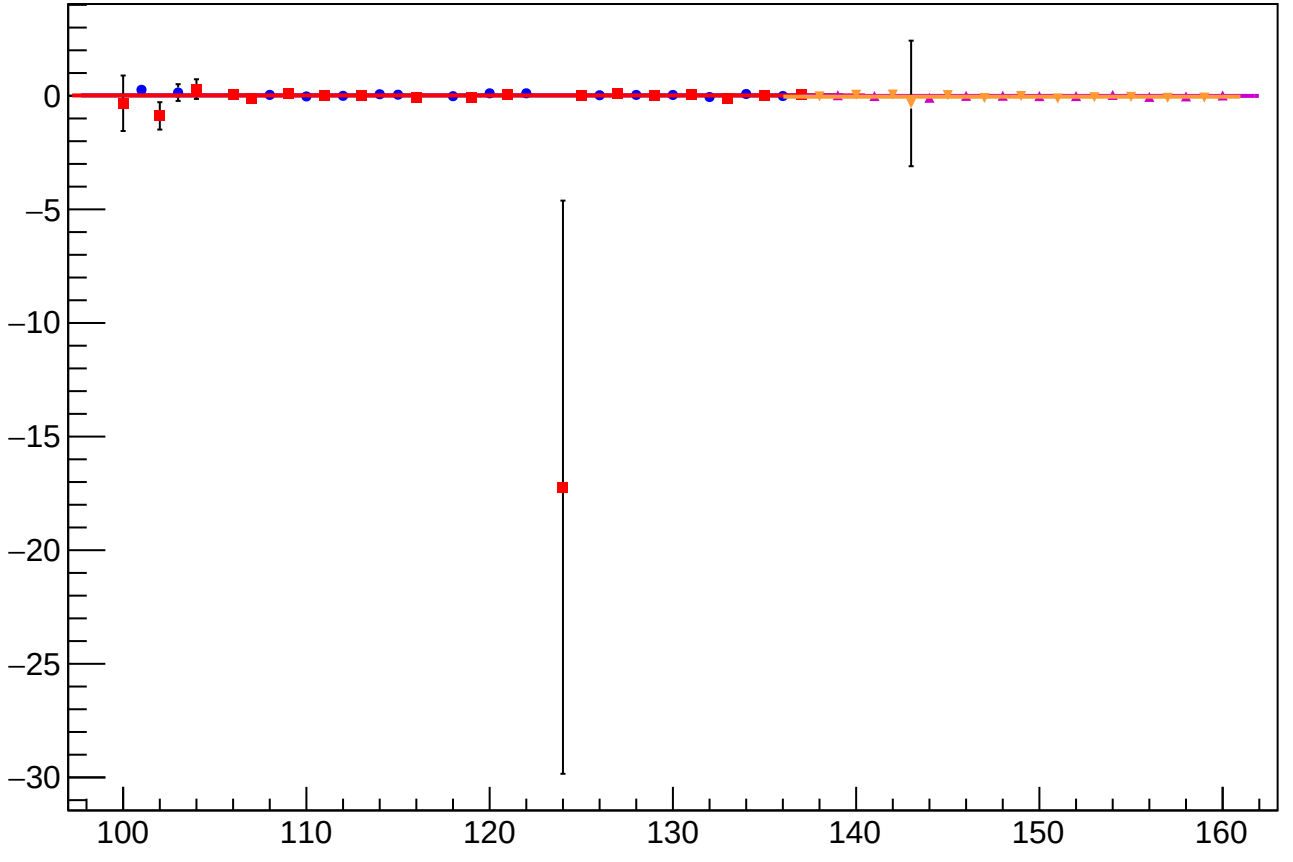
Left In: 35.468+/-0.009 χ^2/NDF:923295.6/10

\+ sign 34.658+/-0.007 χ^2/NDF: 4807588.2/27

All: 34.930+/-0.005 χ^2/NDF: 8650178.9/57

\- sign 35.203+/-0.007 χ^2/NDF: 3839488.5/29

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.041+/-0.013 χ^2/NDF:17.3/11

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

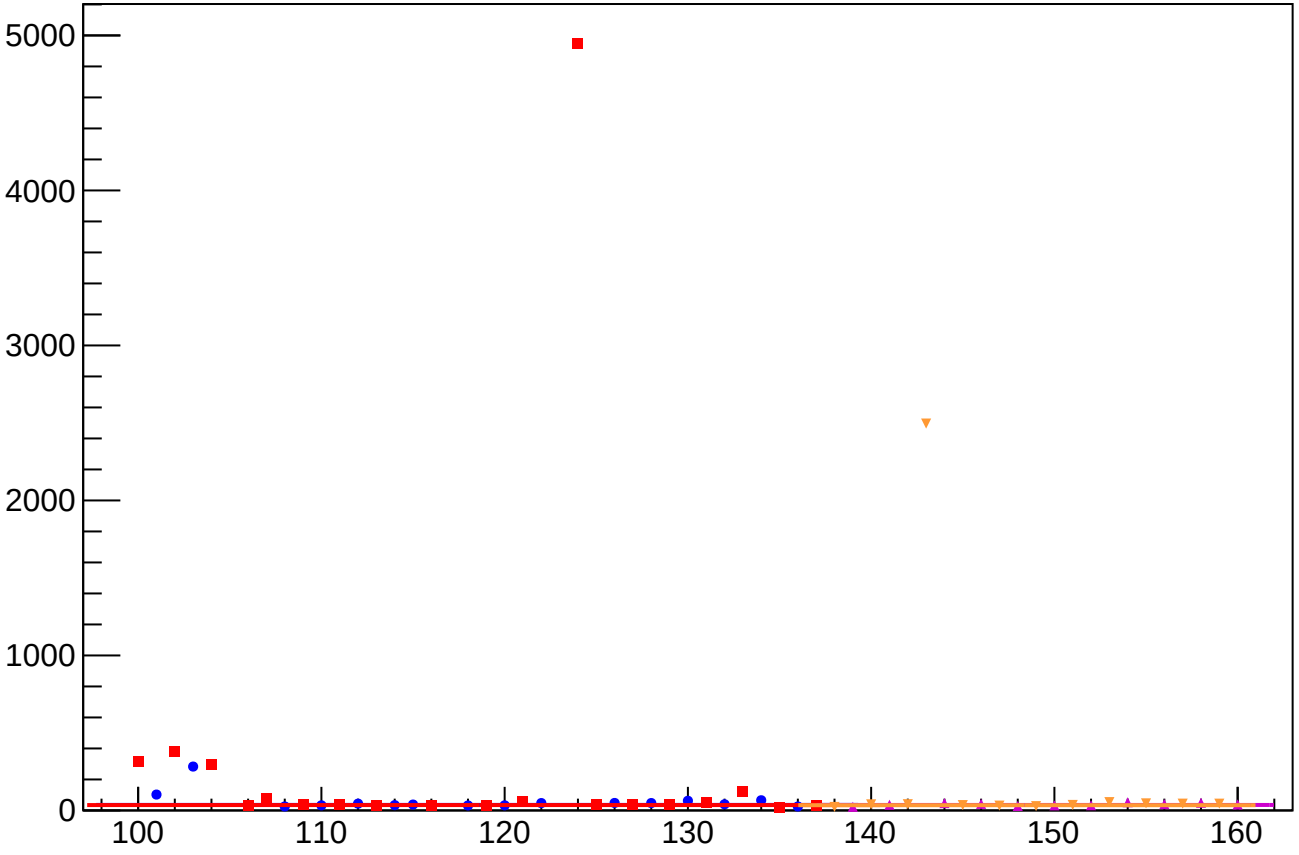
Left In: -0.007+/-0.013 χ^2/NDF:5.2/10

+ sign -0.018+/-0.010 χ^2/NDF: 37.2/27

All: -0.008+/-0.007 χ^2/NDF: 61.5/57

- 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: 33.934+/-0.009 χ^2/NDF:2526621.8/11

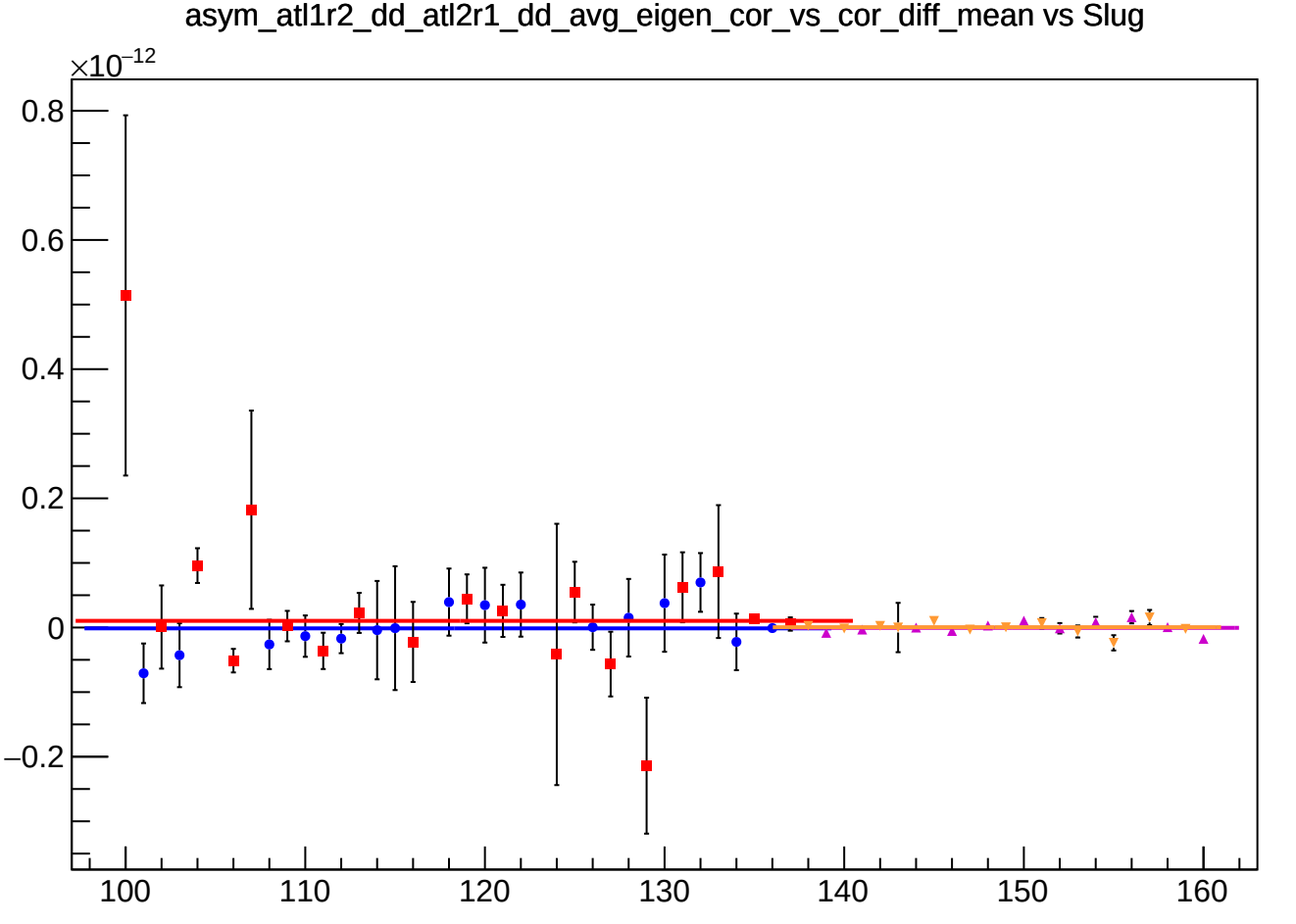
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.468+/-0.009 χ^2/NDF:923295.6/10

+ sign 34.658+/-0.007 χ^2/NDF: 4807588.2/27

All: 34.930+/-0.005 χ^2/NDF: 8650178.9/57

- 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:10.5/11

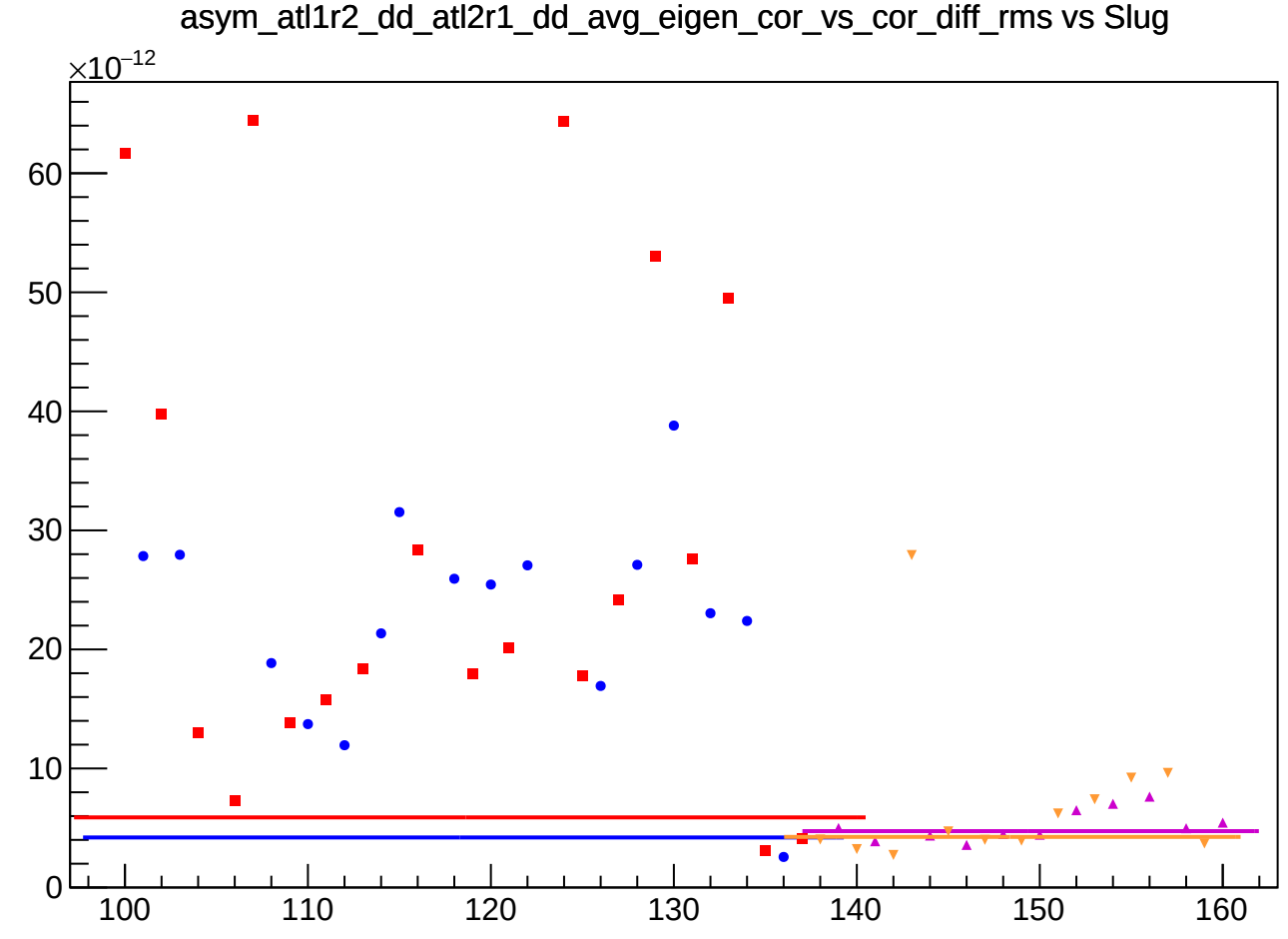
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 19.4/27

All: 0.000+/-0.000 χ^2/NDF: 82.0/57

- sign 0.000+/-0.000 χ^2/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:2249616.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

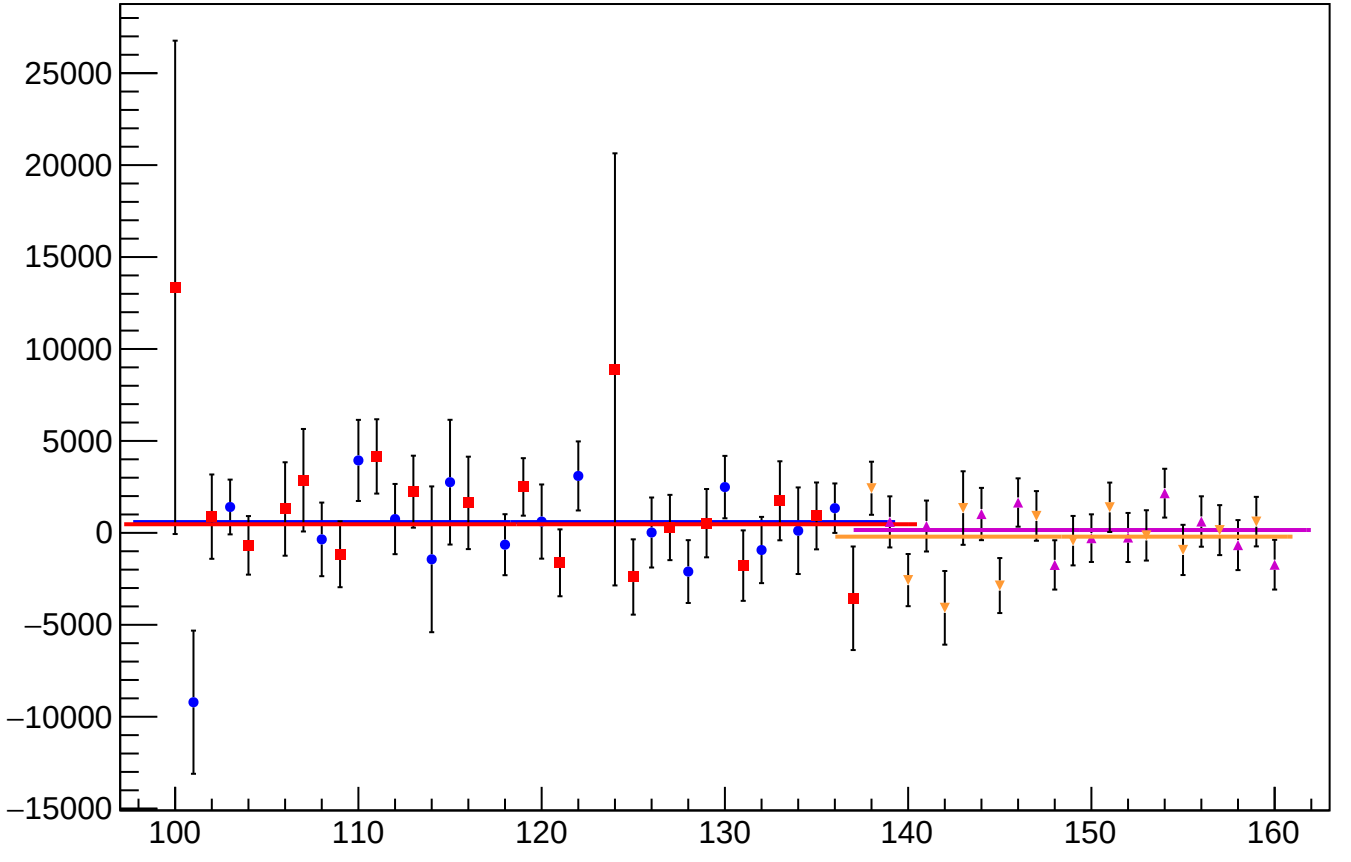
Left In: 0.000+/-0.000 χ^2/NDF:655134.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 7330131.5/27

All: 0.000+/-0.000 χ^2/NDF: 13147413.1/57

- 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: -206.199+/-417.342 χ^2/NDF:16.5/11

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

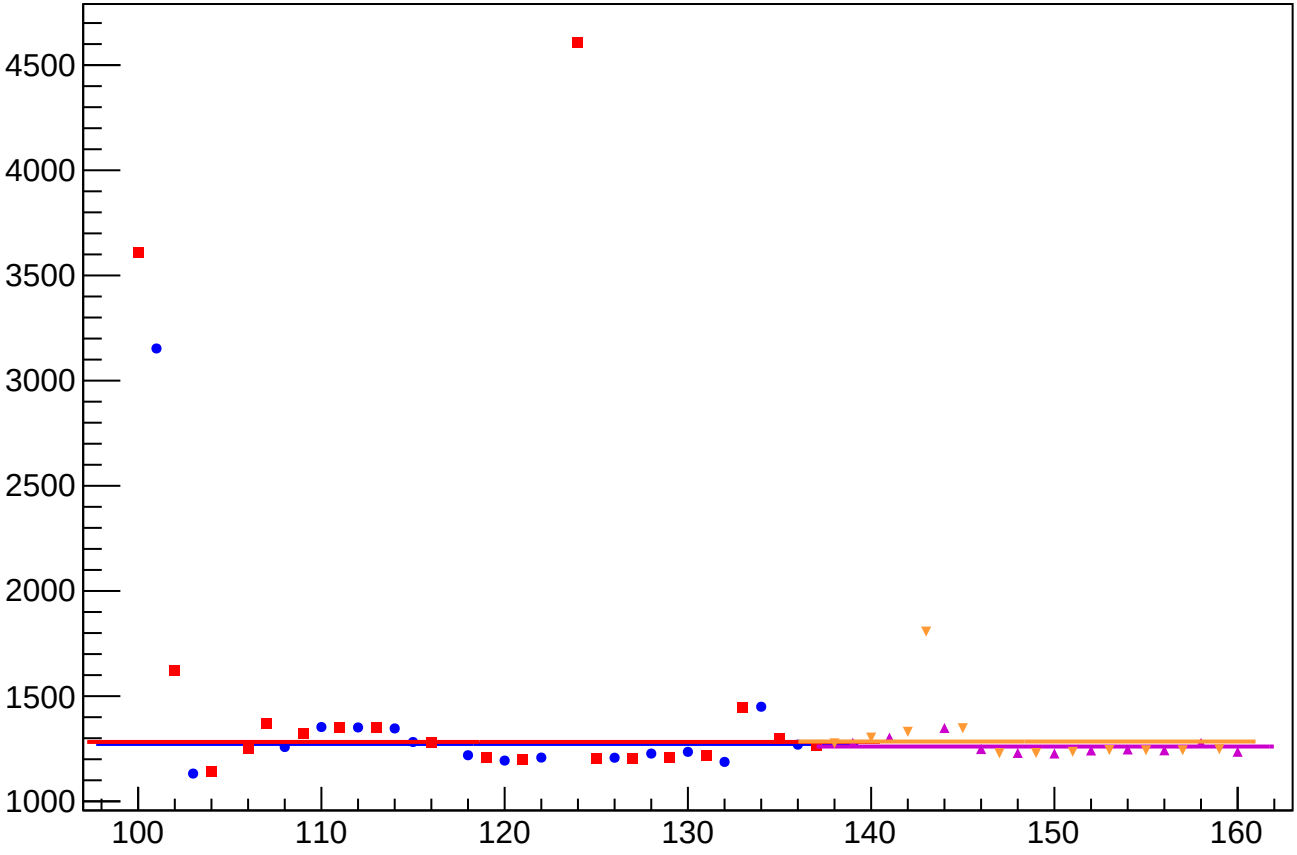
Left In: 155.093+/-407.833 χ^2/NDF:8.7/10

+ sign 133.290+/-315.629 χ^2/NDF: 35.1/27

All: 211.062+/-221.506 χ^2/NDF: 61.0/57

- 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: 1284.308+/-0.295 χ^2/NDF:158043.4/11

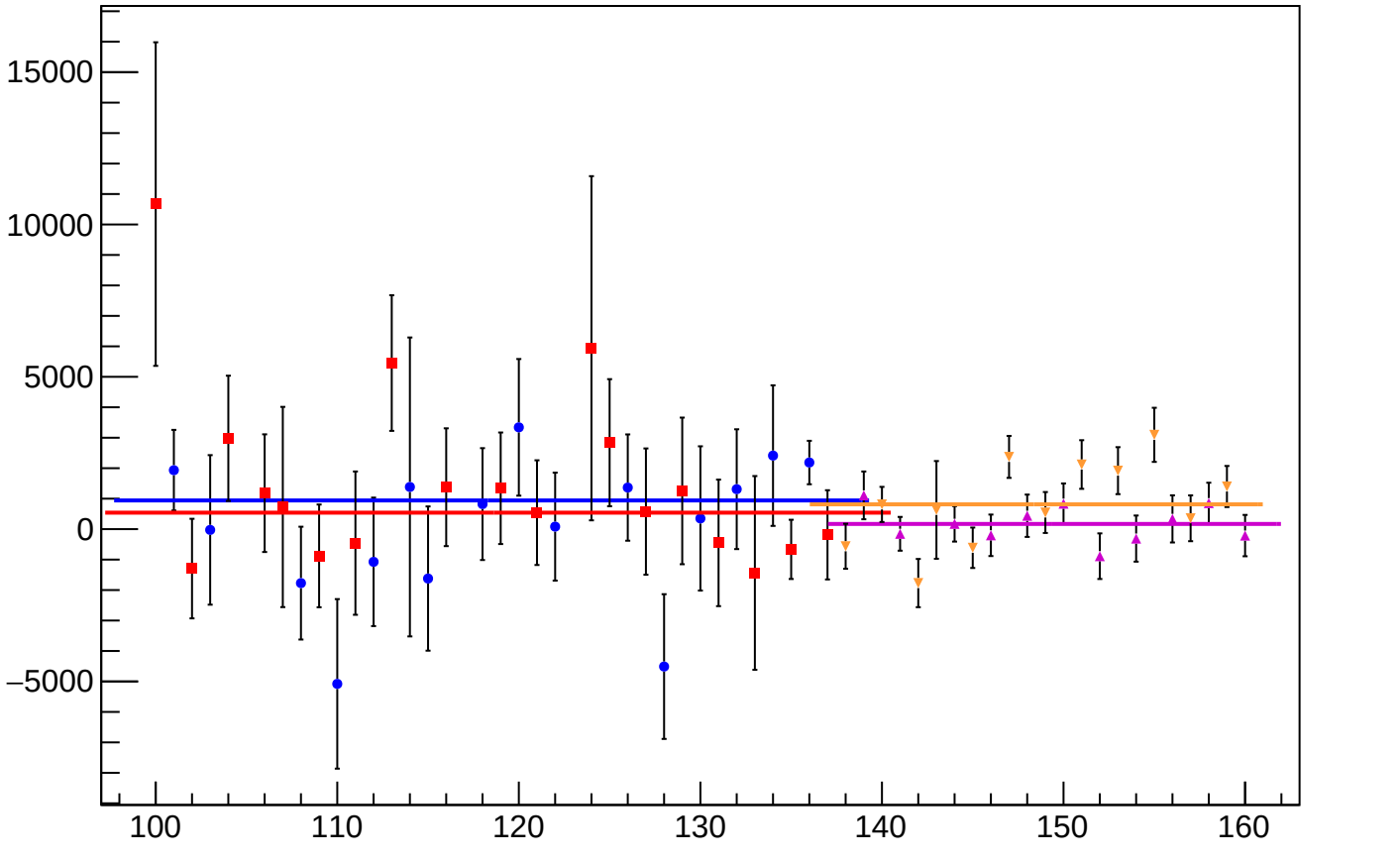
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

+ sign 1279.384+/-0.223 χ^2/NDF: 677992.0/27

All: 1274.442+/-0.157 χ^2/NDF: 1017804.2/57

- 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: 814.105+/-213.625 χ^2/NDF:36.5/11

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

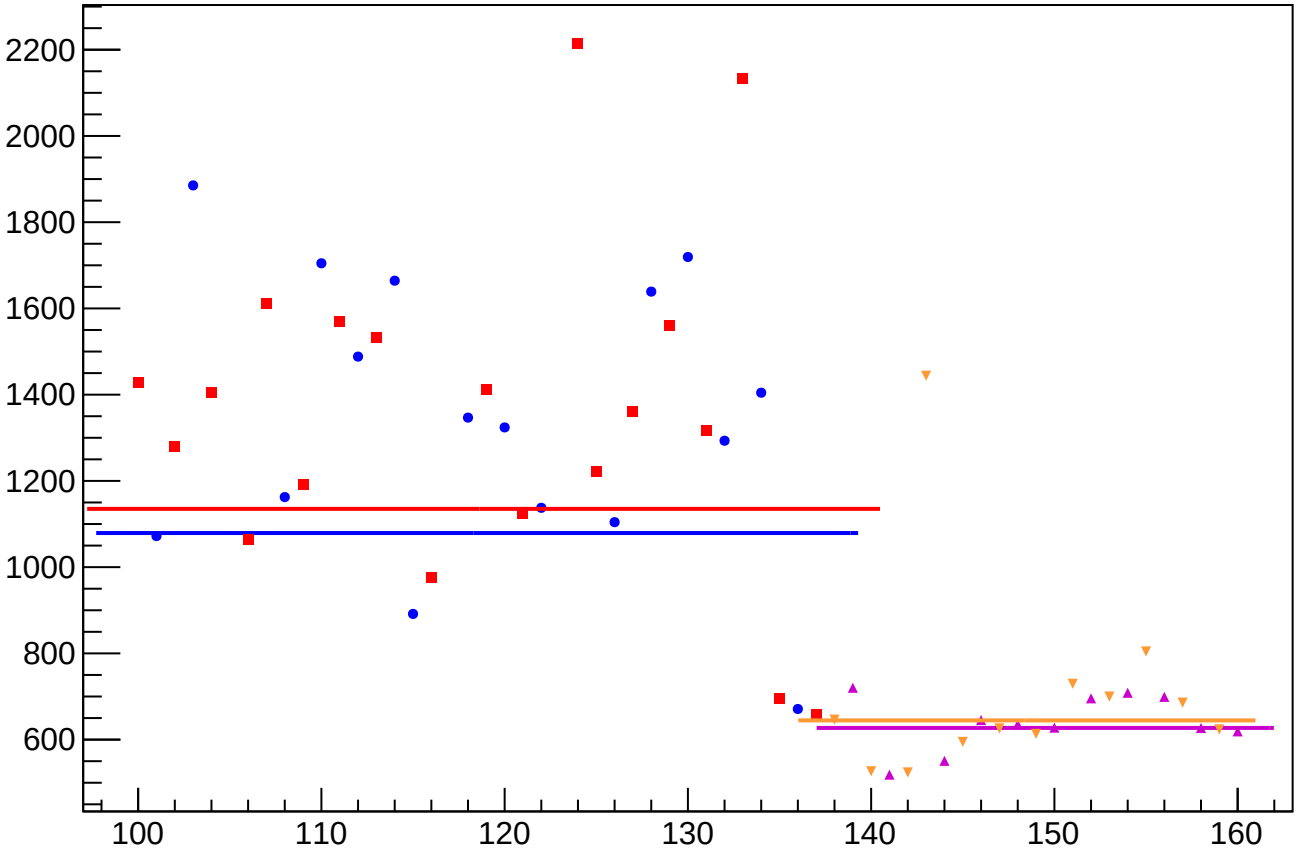
Left In: 170.401+/-204.394 χ^2/NDF:7.0/10

\+ sign 839.772+/-190.945 χ^2/NDF: 56.5/27

All: 529.000+/-133.001 χ^2/NDF: 86.4/57

\- sign 236.135+/-185.363 χ^2/NDF: 24.8/29

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 644.651+/-0.151 χ^2/NDF:749636.9/11

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

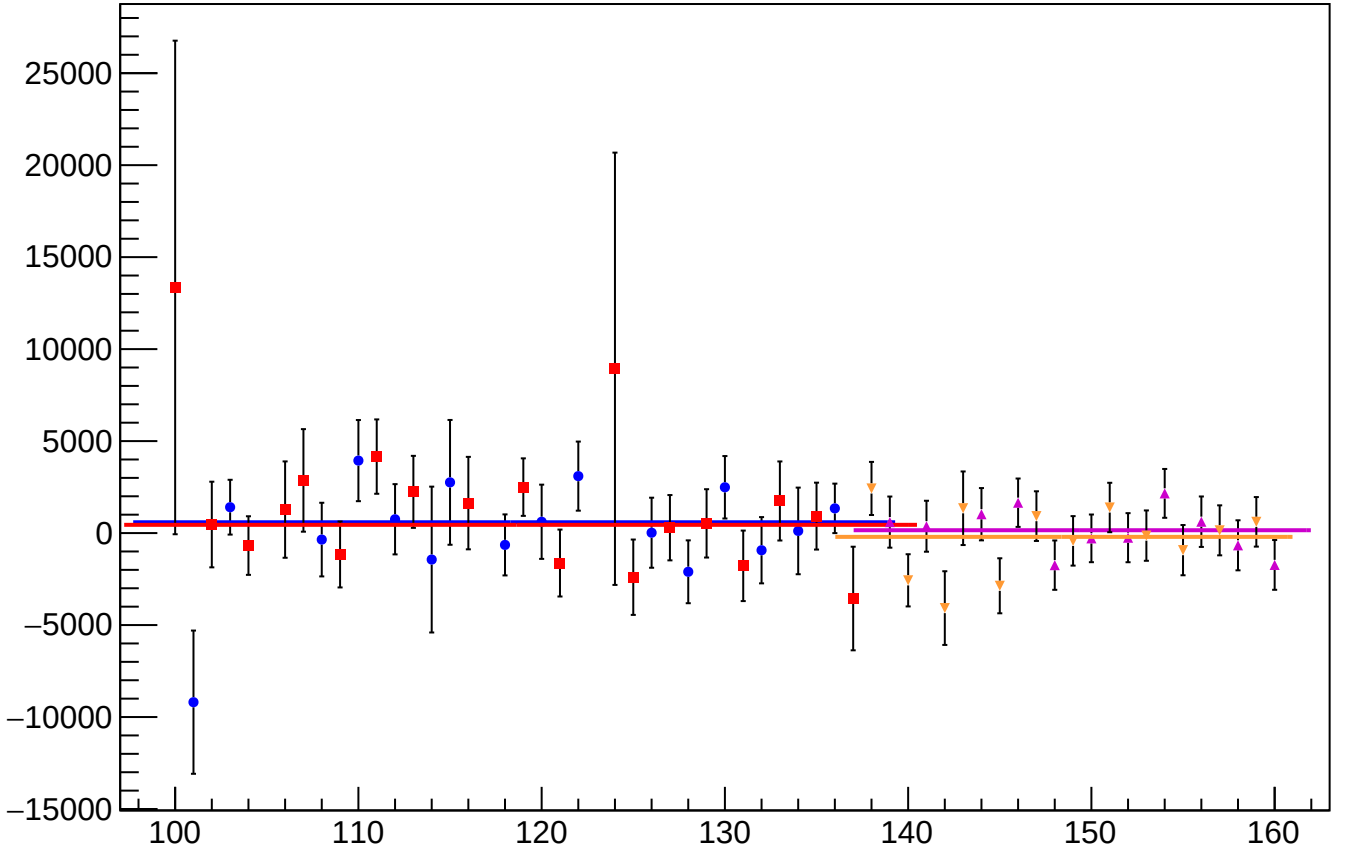
Left In: 627.151+/-0.145 χ^2/NDF:198310.9/10

+ sign 732.006+/-0.135 χ^2/NDF: 3895182.3/27

All: 724.460+/-0.094 χ^2/NDF: 7586282.7/57

- 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: -206.332+/-417.342 χ^2/NDF:16.5/11

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

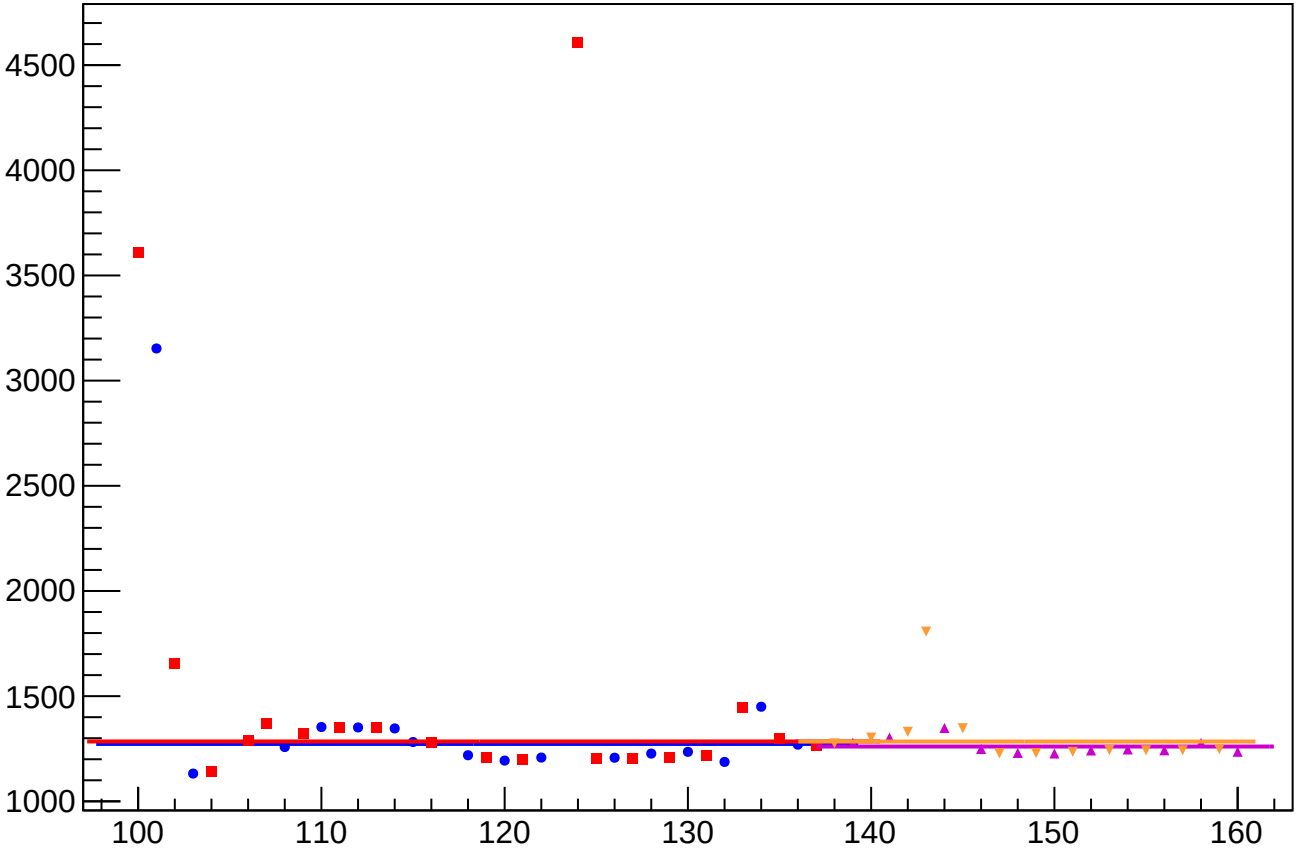
Left In: 155.064+/-407.833 χ^2/NDF:8.7/10

\+ sign 133.351+/-315.629 χ^2/NDF: 35.1/27

All: 206.531+/-221.586 χ^2/NDF: 60.9/57

\- 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: 1284.308+/-0.295 χ^2/NDF:158043.4/11

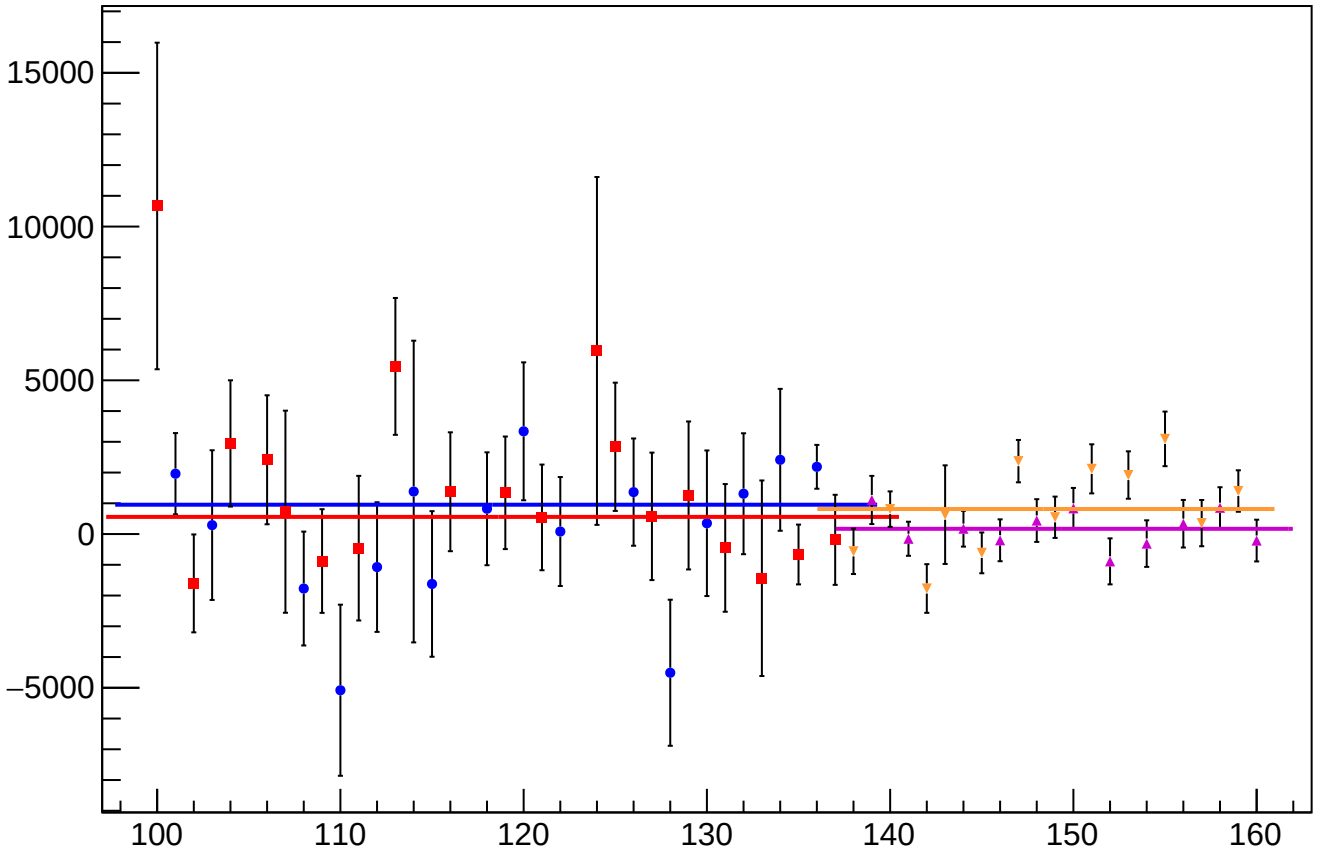
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

+ sign 1279.384+/-0.223 χ^2/NDF: 677993.5/27

All: 1274.922+/-0.157 χ^2/NDF: 1024809.1/57

- 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: 814.035+/-213.627 χ^2/NDF:36.5/11

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

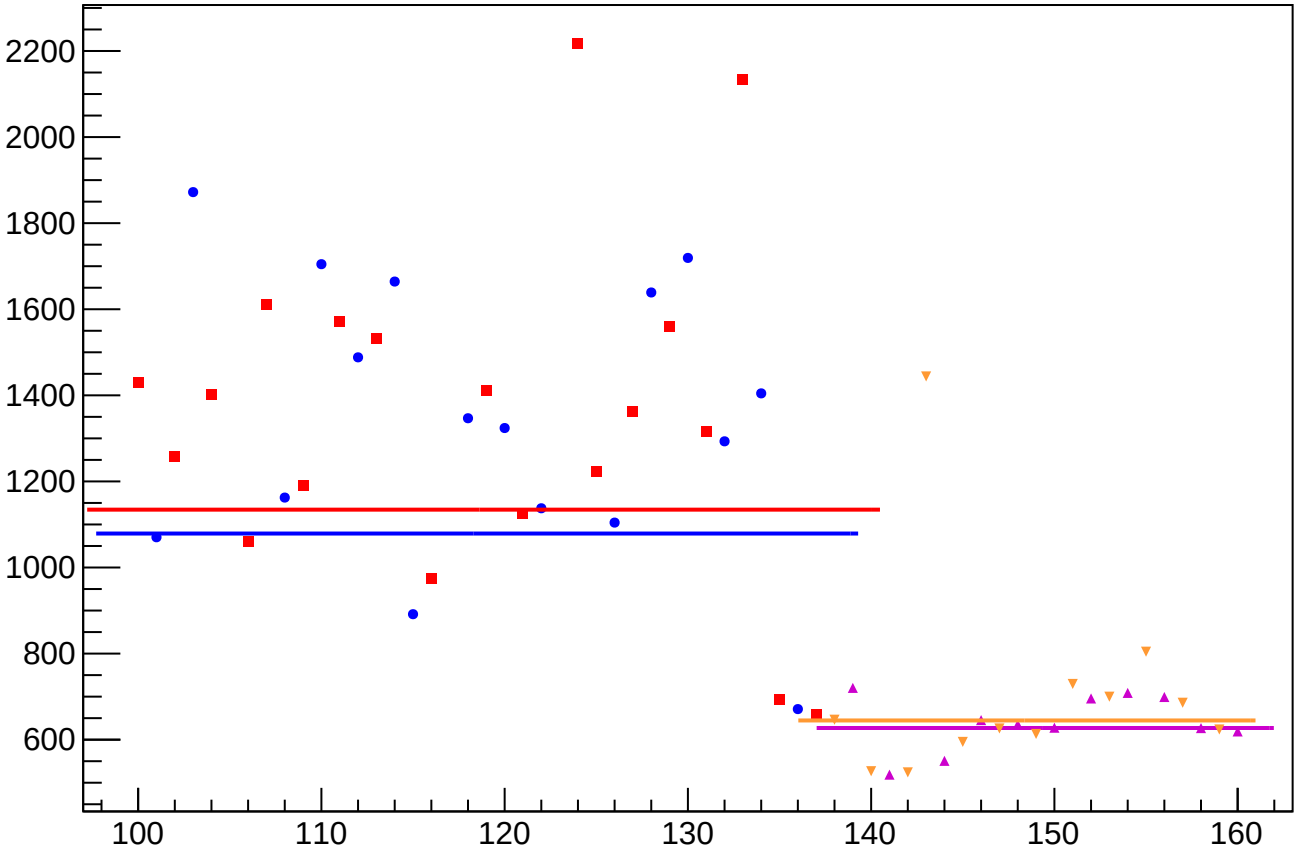
Left In: 170.370+/-204.393 χ^2/NDF:7.0/10

\+ sign 842.225+/-190.931 χ^2/NDF: 56.4/27

All: 531.772+/-133.019 χ^2/NDF: 87.6/57

\- sign 238.964+/-185.426 χ^2/NDF: 26.1/29

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 644.657+/-0.151 χ^2/NDF:749543.4/11

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

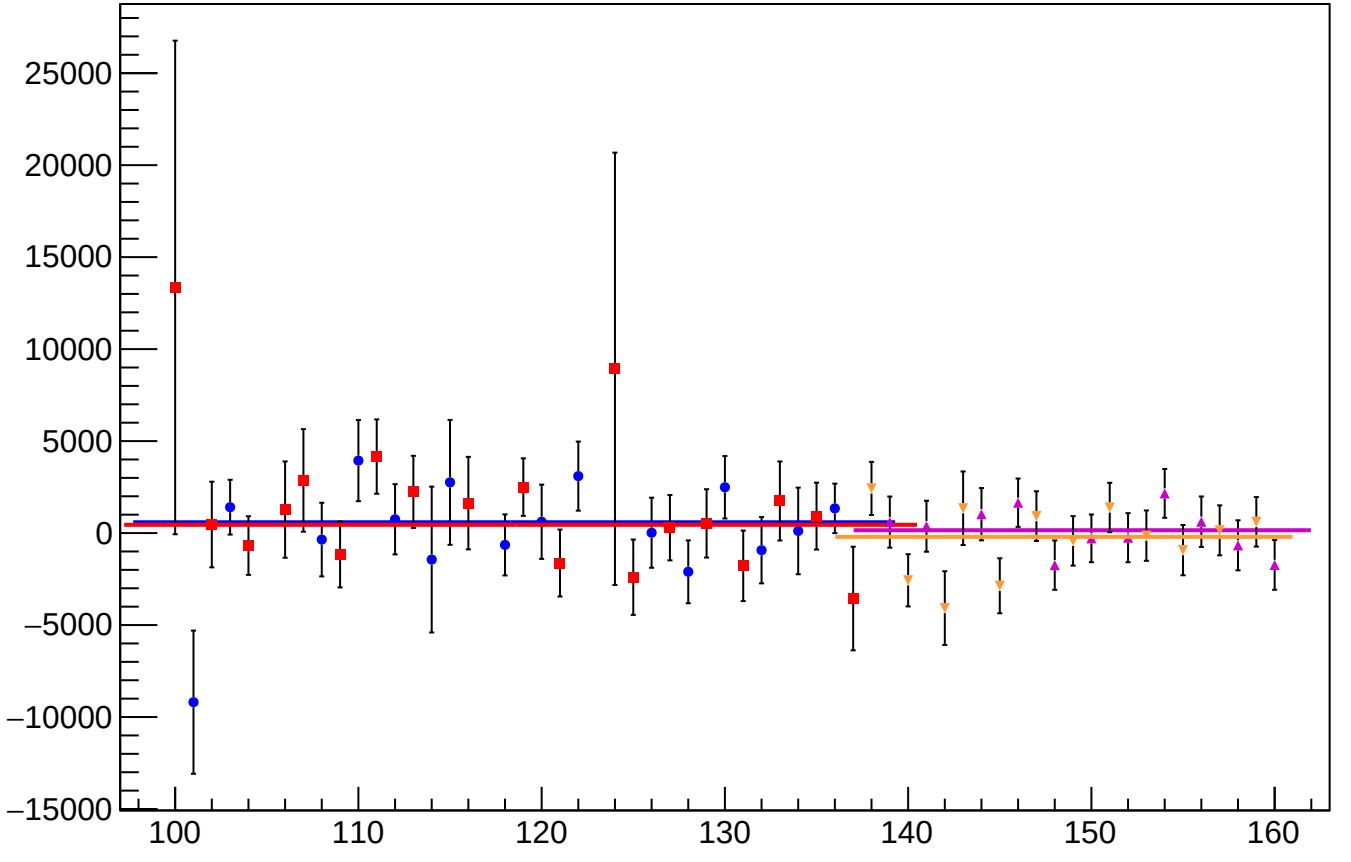
Left In: 627.147+/-0.145 χ^2/NDF:198335.7/10

+ sign 732.032+/-0.135 χ^2/NDF: 3891184.7/27

All: 724.260+/-0.094 χ^2/NDF: 7565245.6/57

- sign 716.929+/-0.131 χ^2/NDF: 3667620.4/29

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -206.332+/-417.342 χ^2/NDF:16.5/11

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

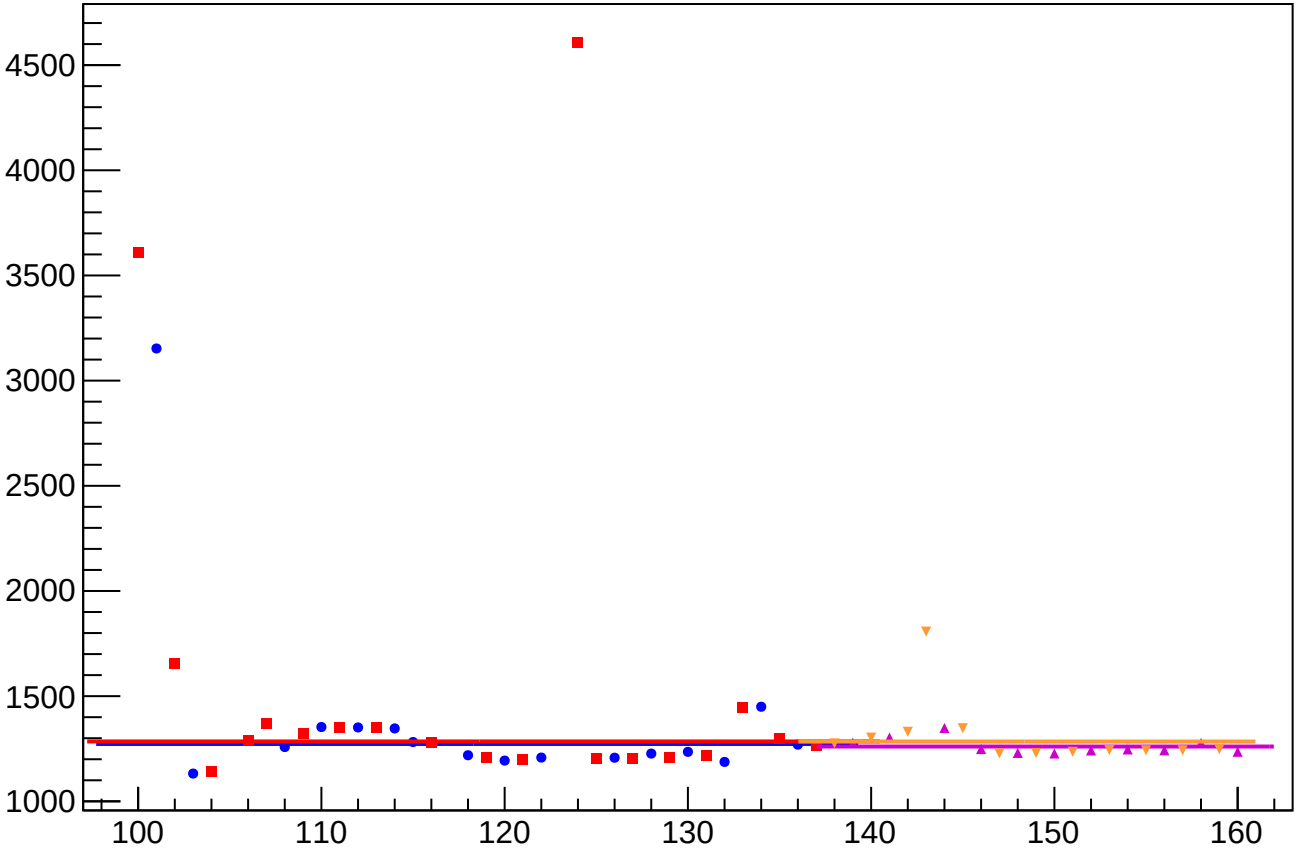
Left In: 155.064+/-407.833 χ^2/NDF:8.7/10

\+ sign 133.351+/-315.629 χ^2/NDF: 35.1/27

All: 206.531+/-221.586 χ^2/NDF: 60.9/57

\- 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: 1284.308+/-0.295 χ^2/NDF:158043.4/11

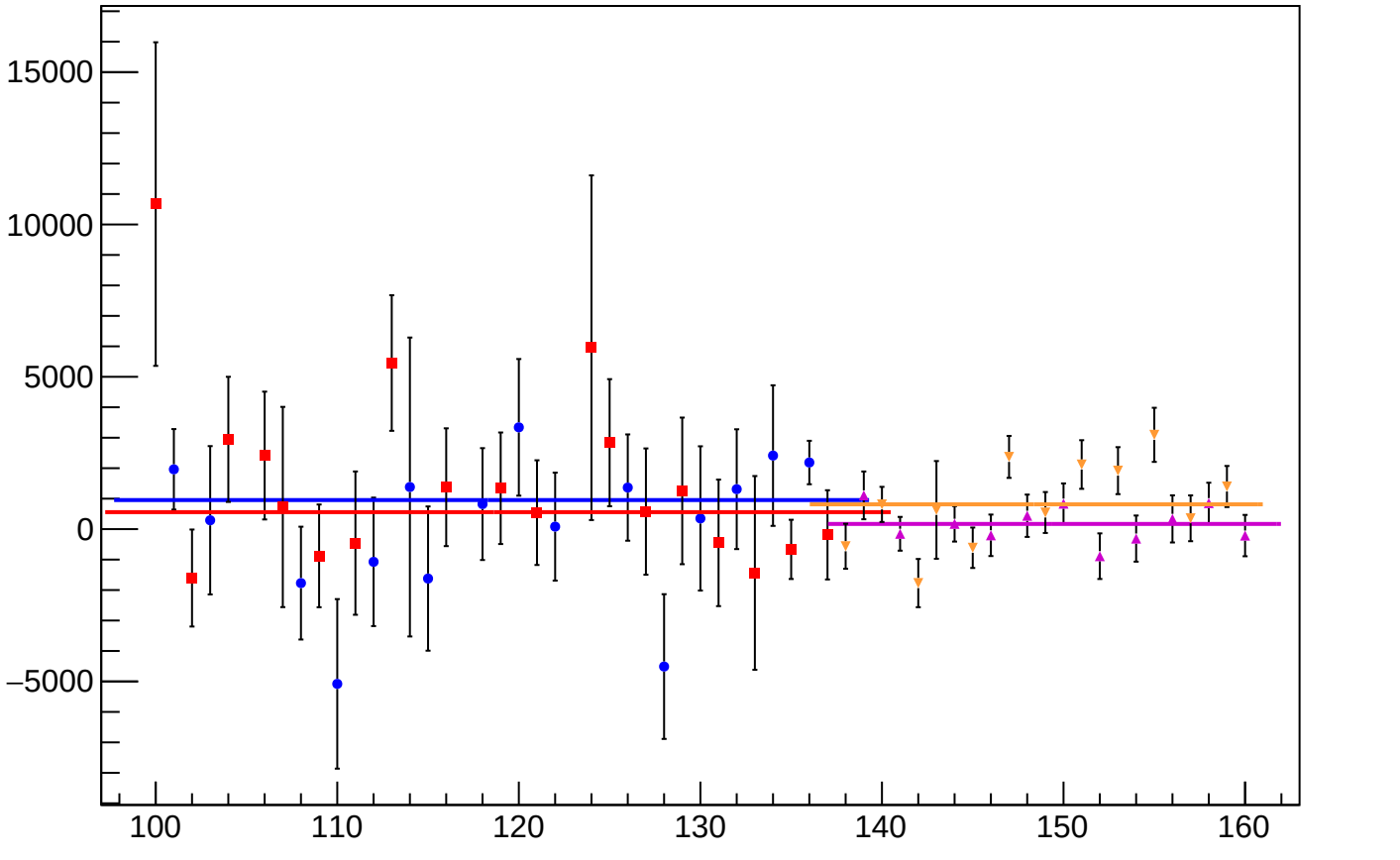
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1260.484+/-0.288 χ^2/NDF:14357.0/10

+ sign 1279.384+/-0.223 χ^2/NDF: 677993.5/27

All: 1274.922+/-0.157 χ^2/NDF: 1024809.1/57

- 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: 814.035+/-213.627 χ^2/NDF:36.5/11

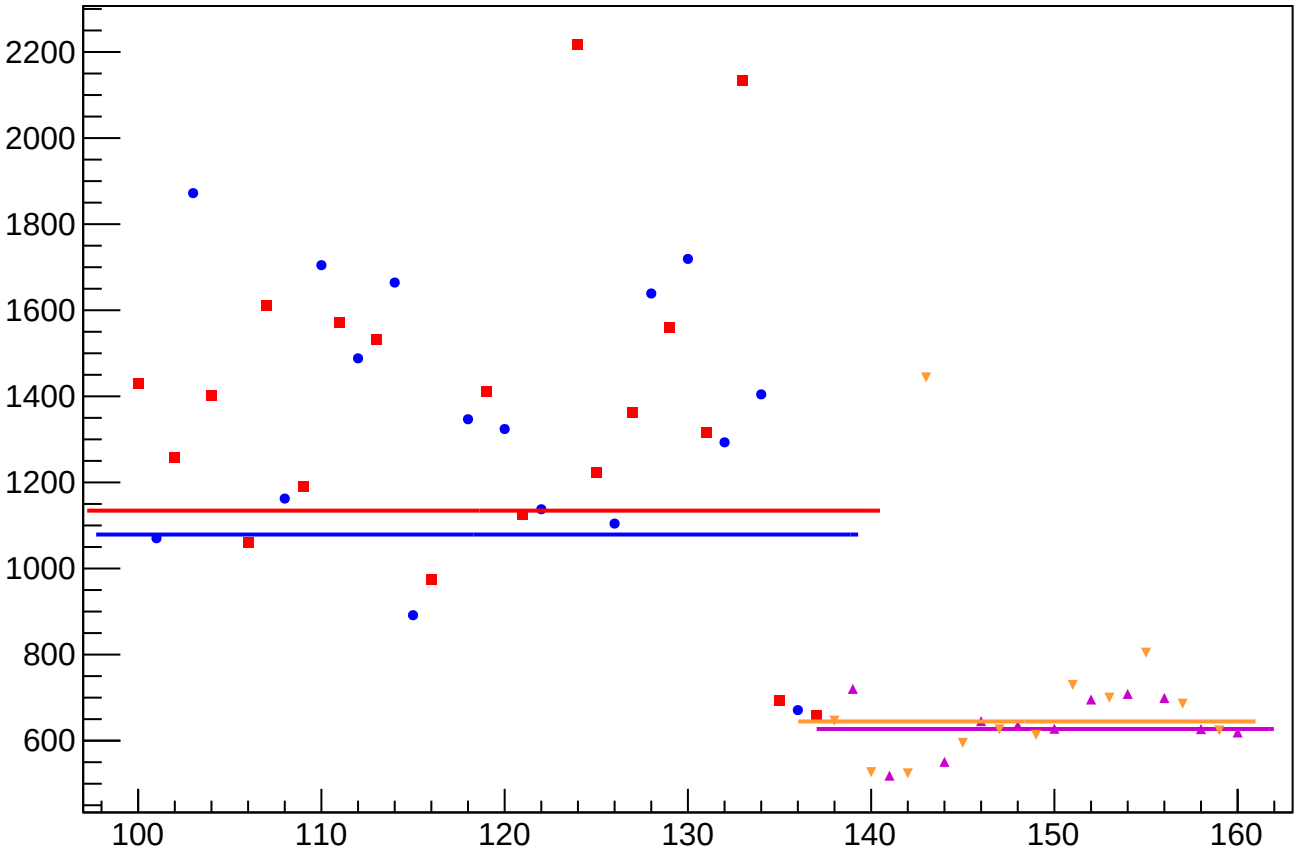
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 170.370+/-204.393 χ^2/NDF:7.0/10

\+ sign 842.225+/-190.931 χ^2/NDF: 56.4/27

All: 531.772+/-133.019 χ^2/NDF: 87.6/57

\- 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: 644.657+/-0.151 χ^2/NDF:749543.4/11

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

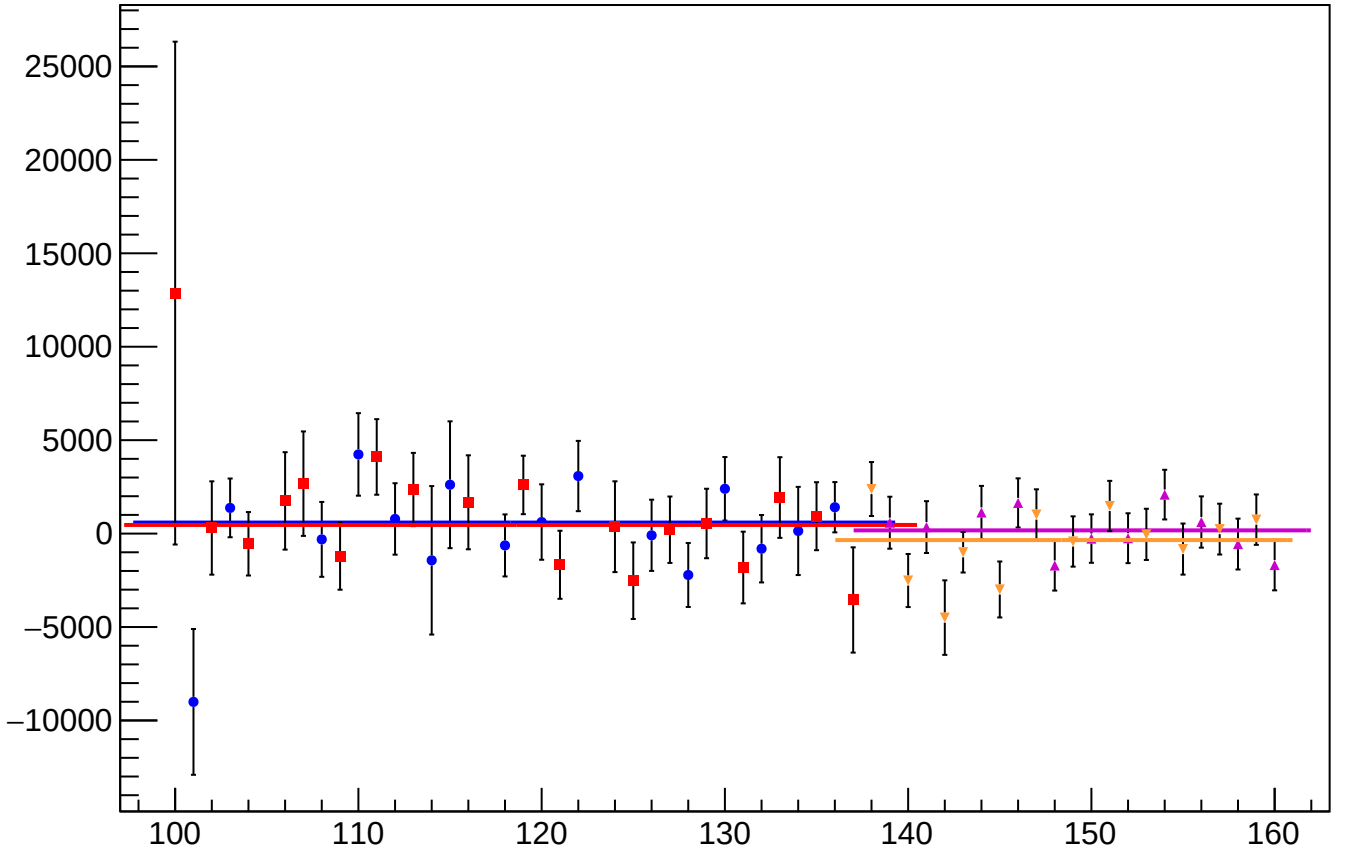
Left In: 627.147+/-0.145 χ^2/NDF:198335.7/10

\+ sign 732.032+/-0.135 χ^2/NDF: 3891184.7/27

All: 724.260+/-0.094 χ^2/NDF: 7565245.6/57

\- 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: -347.269+/-397.285 χ^2/NDF:17.6/11

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

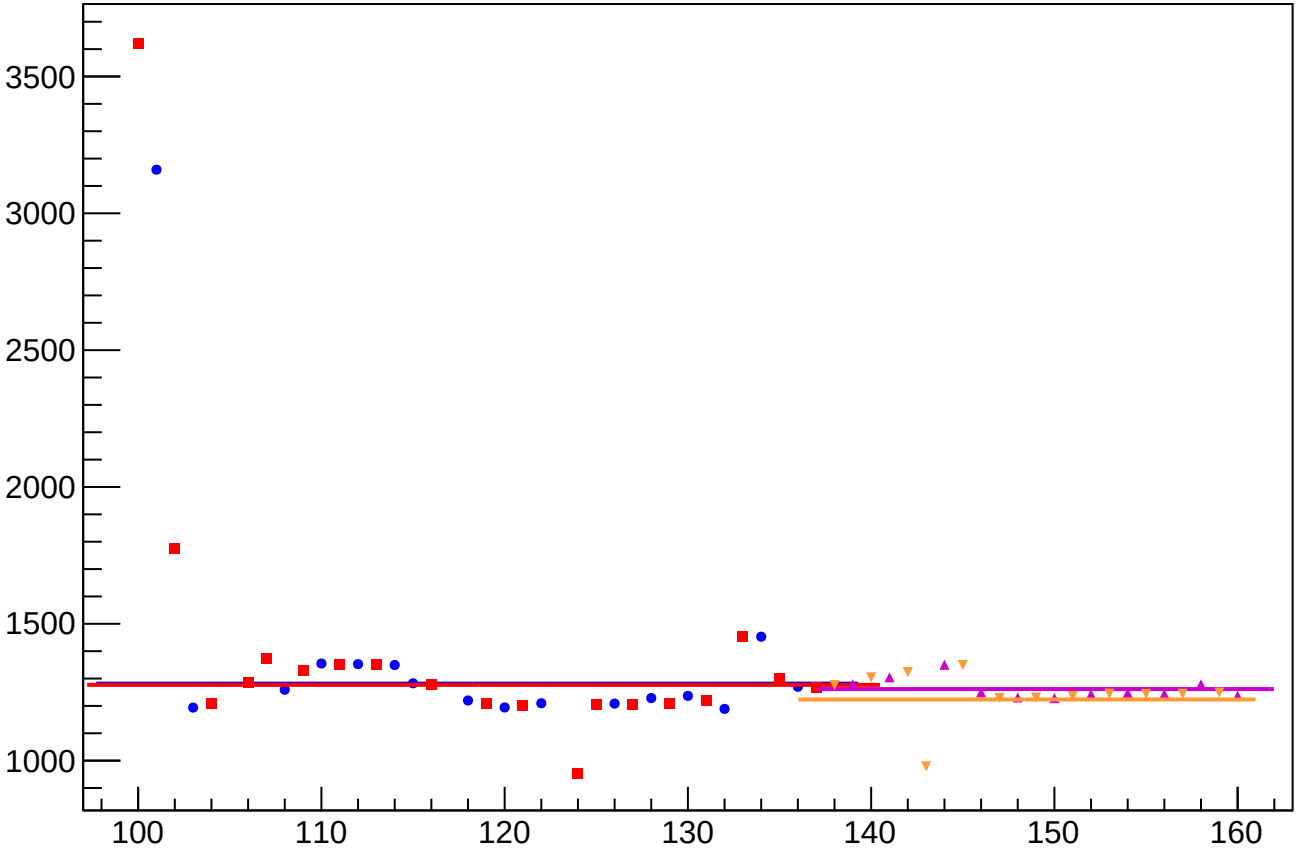
Left In: 172.339+/-408.184 χ^2/NDF:8.3/10

+ sign 28.778+/-307.459 χ^2/NDF: 36.9/27

All: 160.812+/-218.326 χ^2/NDF: 62.5/57

- 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: 1223.370+/-0.281 χ^2/NDF:132023.3/11

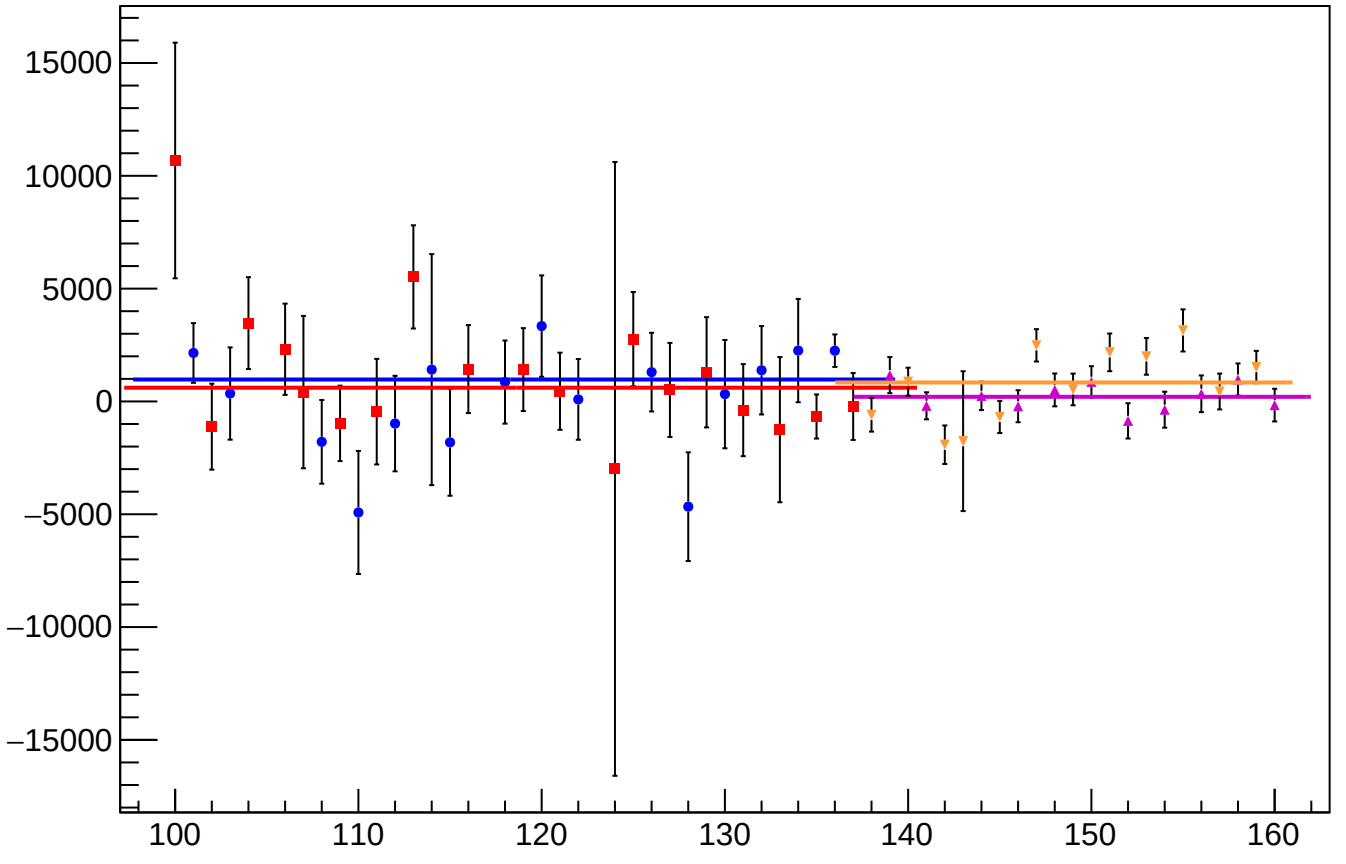
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1261.566+/-0.289 χ^2/NDF:14458.7/10

+ sign 1246.632+/-0.217 χ^2/NDF: 656197.7/27

All: 1257.242+/-0.154 χ^2/NDF: 897162.1/57

- 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: 840.509+/-226.776 χ^2/NDF:36.8/11

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

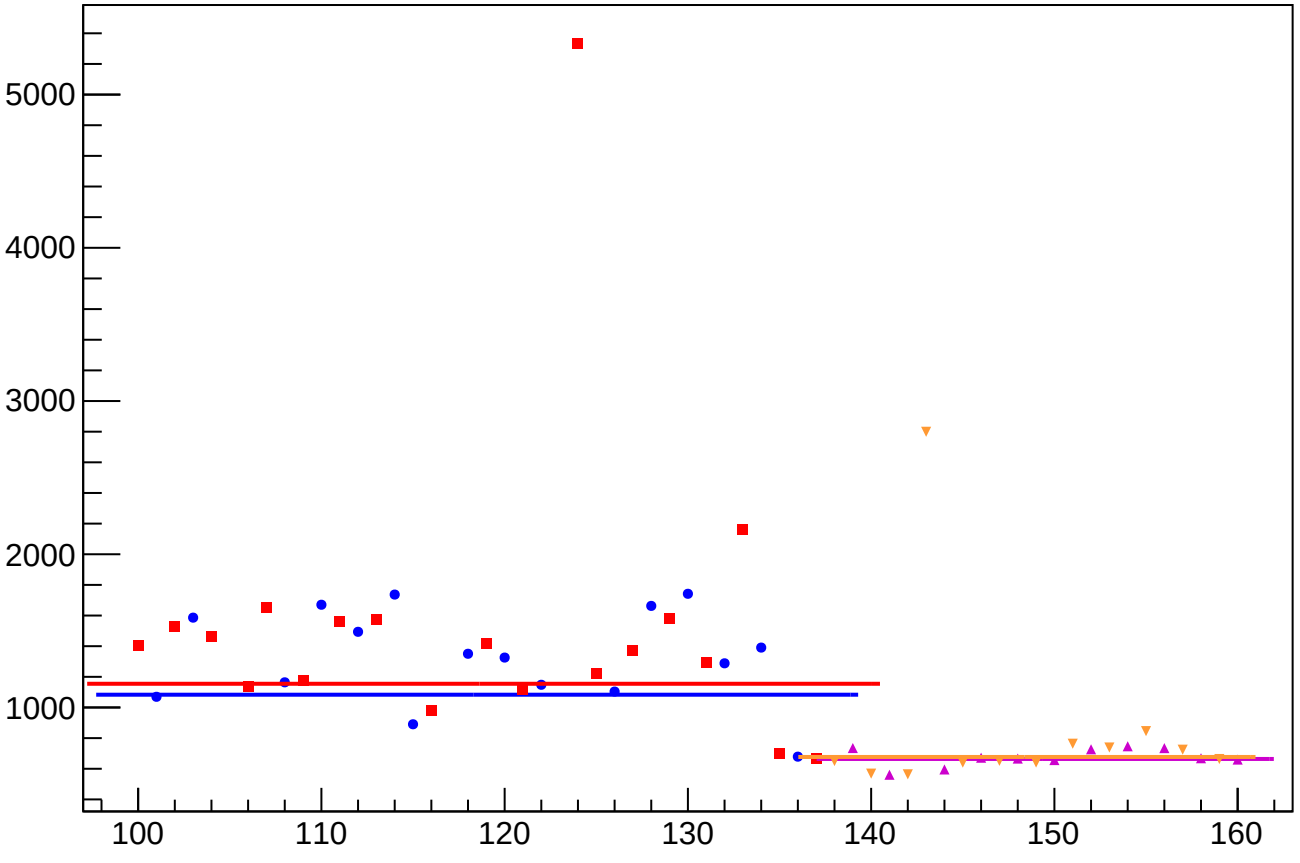
Left In: 204.796+/-216.071 χ^2/NDF:7.1/10

+ sign 869.690+/-200.098 χ^2/NDF: 57.3/27

All: 567.162+/-139.505 χ^2/NDF: 86.7/57

- sign 281.042+/-194.596 χ^2/NDF: 24.9/29

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 677.014+/-0.160 χ^2/NDF:1156302.0/11

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

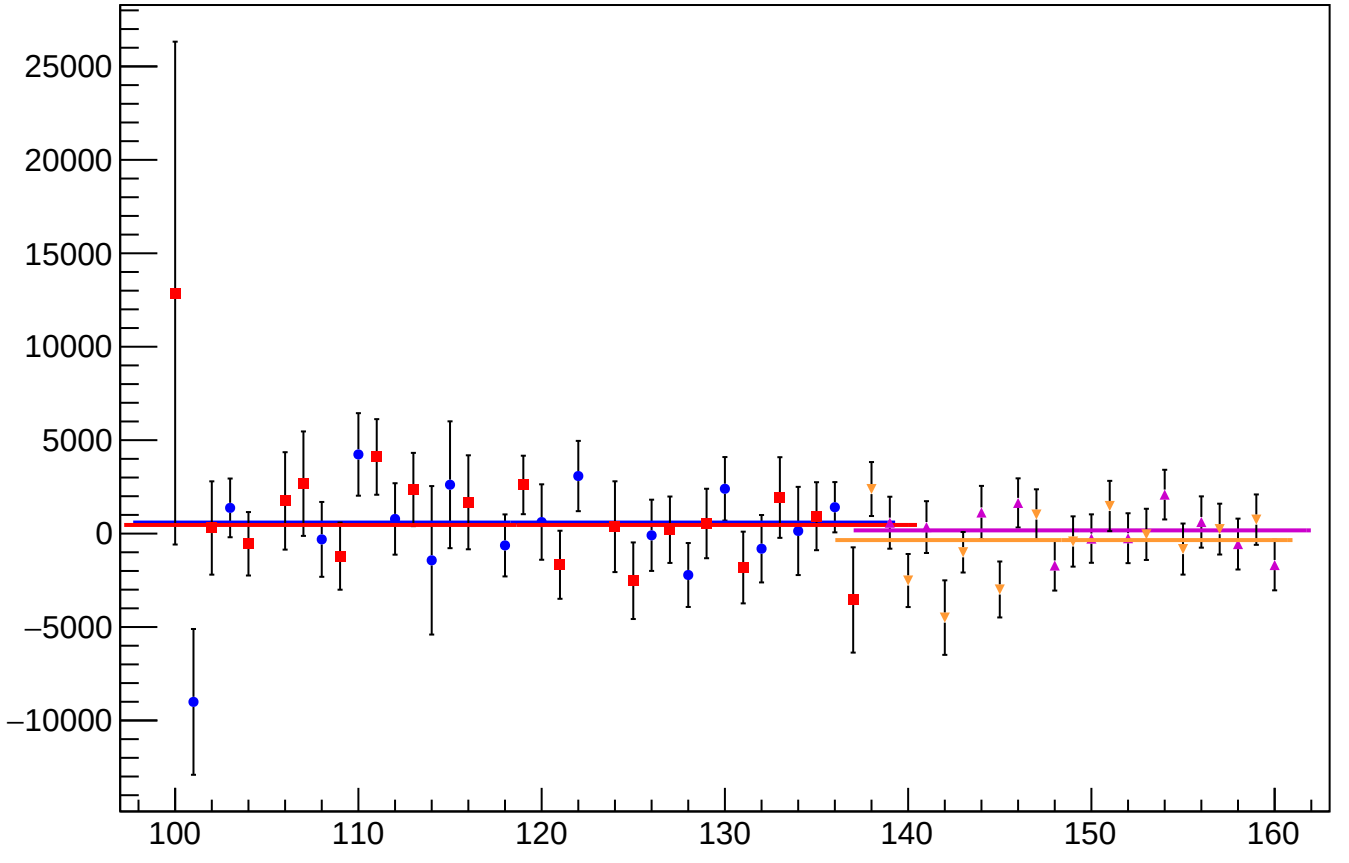
Left In: 664.022+/-0.153 χ^2/NDF:149027.4/10

+ sign 766.991+/-0.141 χ^2/NDF: 3938238.7/27

All: 761.709+/-0.099 χ^2/NDF: 7526786.6/57

- 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: -347.270+/-397.285 χ^2/NDF:17.6/11

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

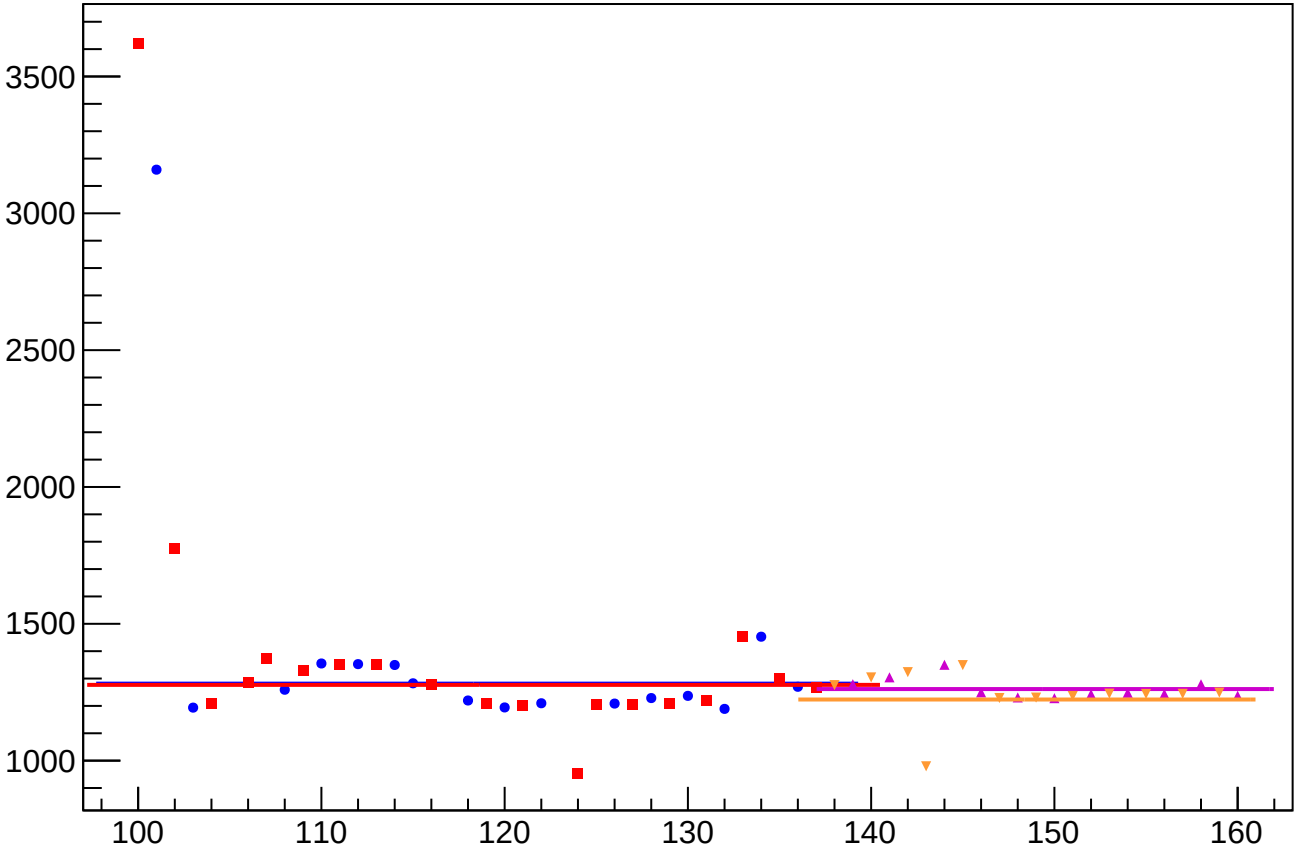
Left In: 172.339+/-408.184 χ^2/NDF:8.3/10

+ sign 28.778+/-307.459 χ^2/NDF: 36.9/27

All: 160.812+/-218.326 χ^2/NDF: 62.5/57

- 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: 1223.370+/-0.281 χ^2/NDF:132022.6/11

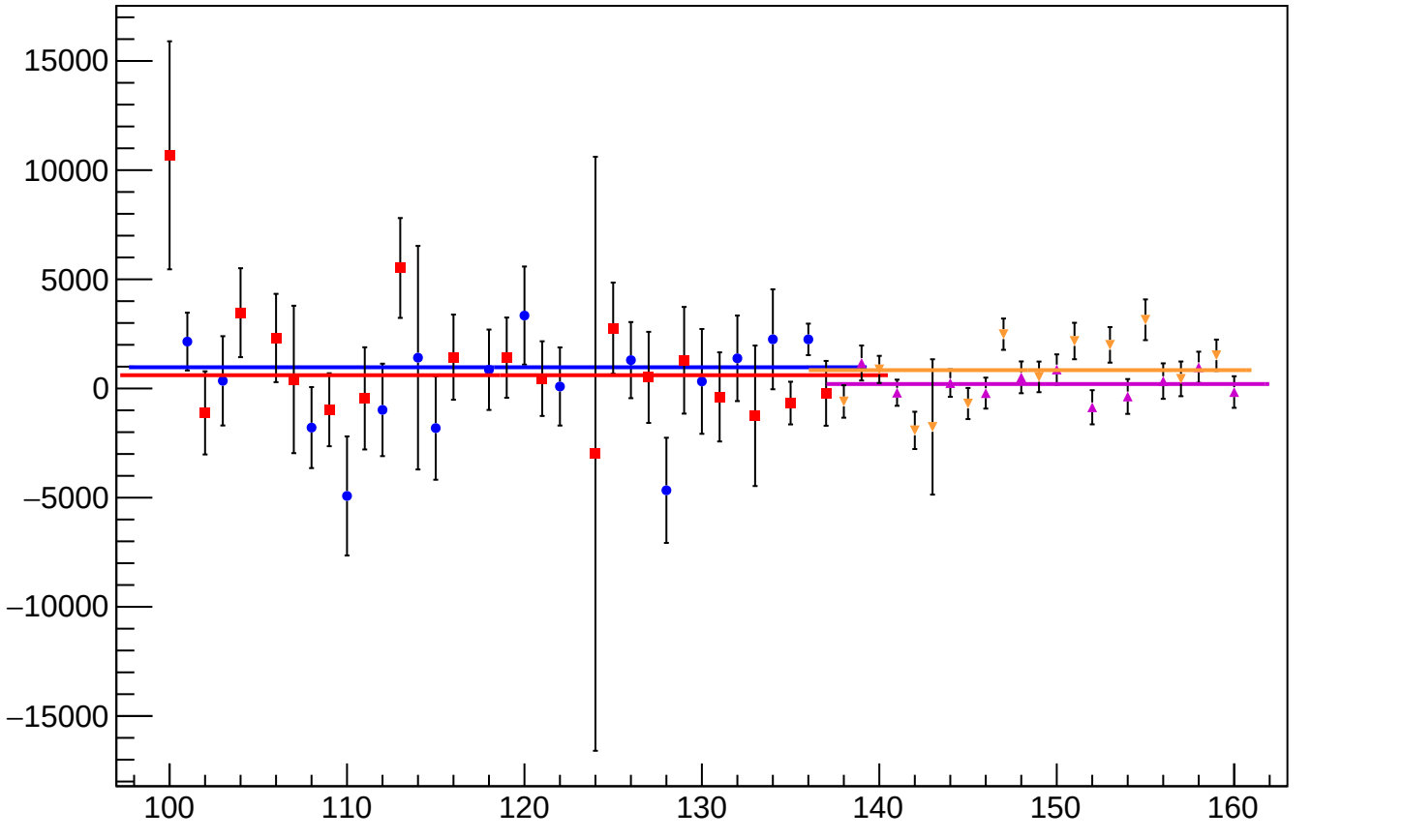
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1261.566+/-0.289 χ^2/NDF:14458.7/10

+ sign 1246.632+/-0.217 χ^2/NDF: 656196.9/27

All: 1257.242+/-0.154 χ^2/NDF: 897161.2/57

- 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: 840.512+/-226.776 χ^2/NDF:36.8/11

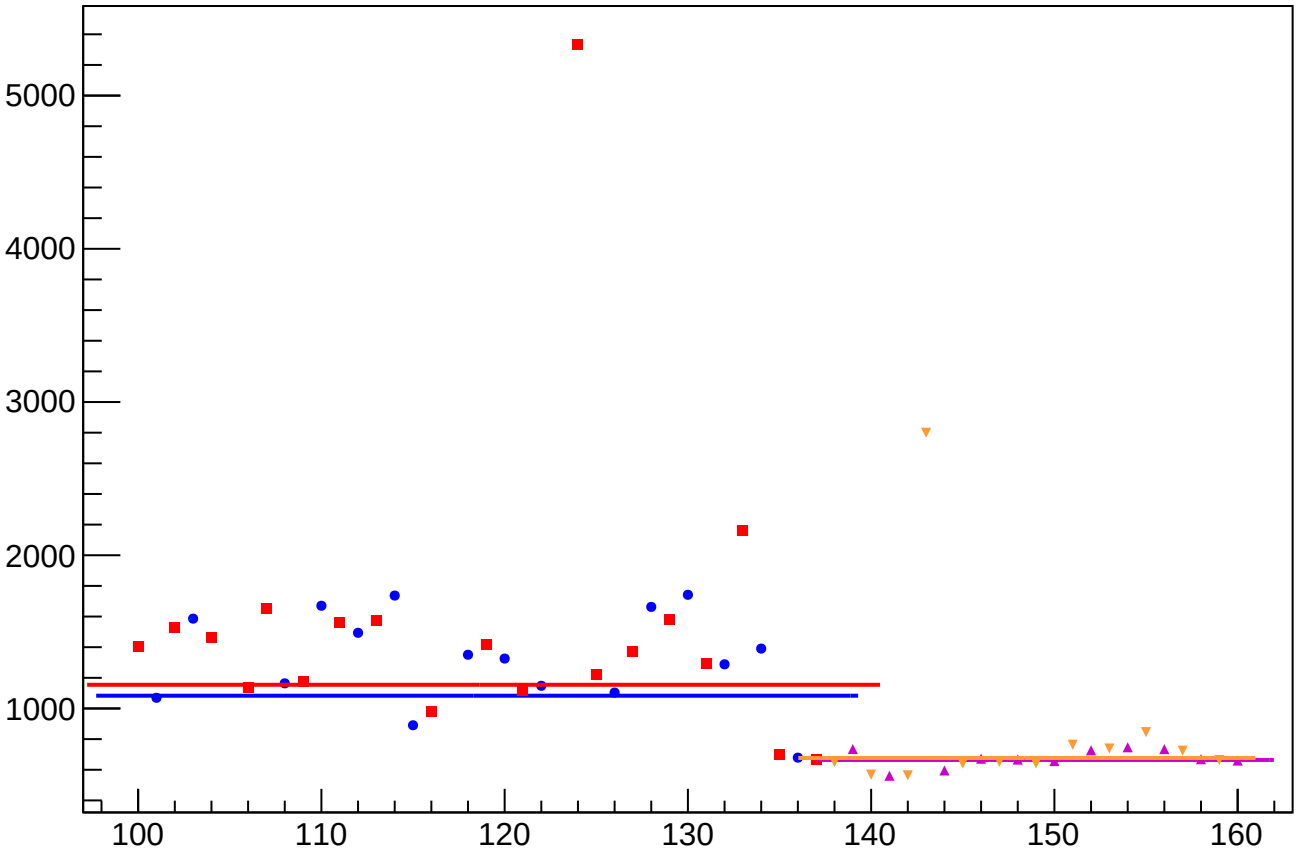
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 204.795+/-216.071 χ^2/NDF:7.1/10

\+ sign 869.691+/-200.098 χ^2/NDF: 57.3/27

All: 567.162+/-139.505 χ^2/NDF: 86.7/57

\- 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: 677.016+/-0.160 χ^2/NDF:1156293.5/11

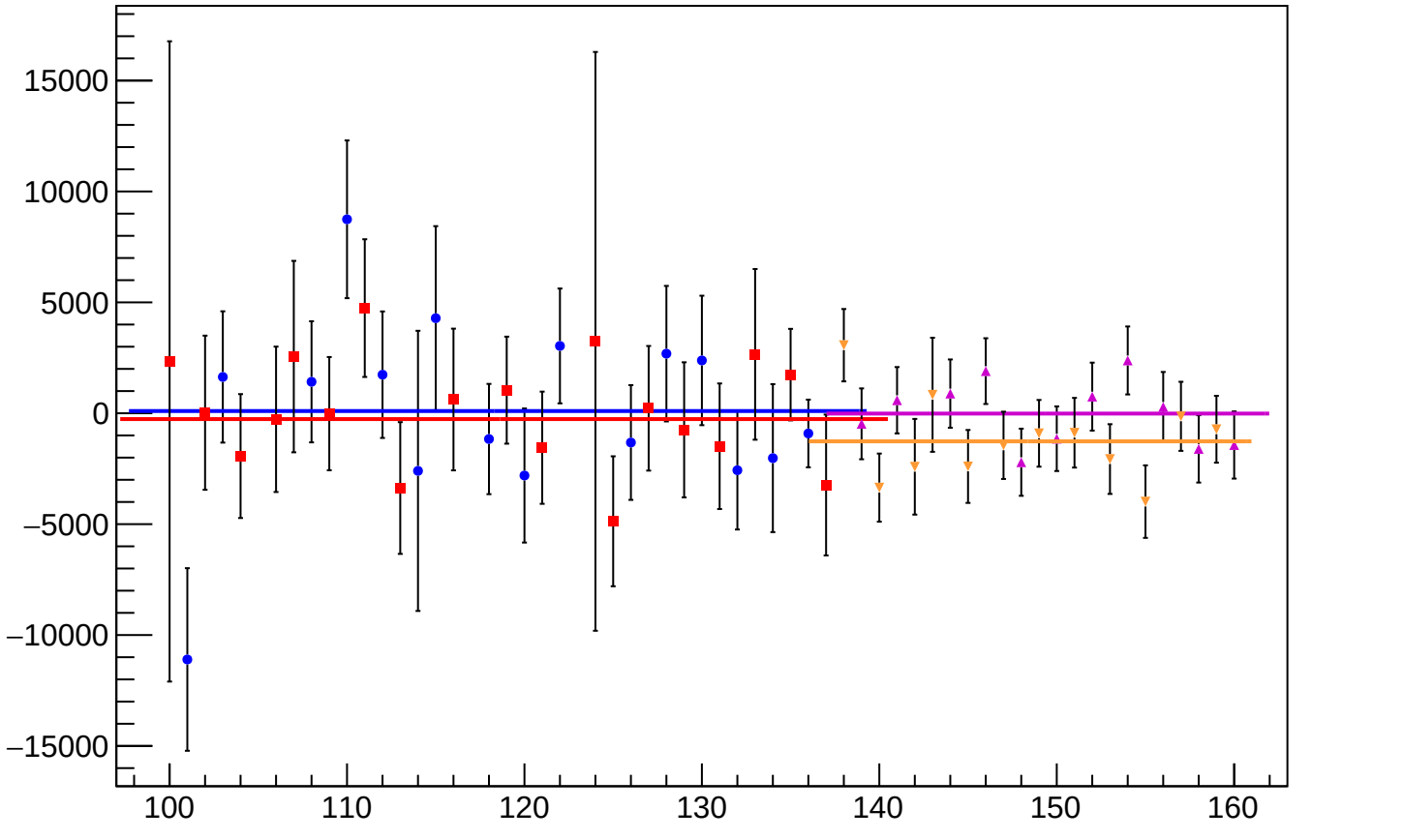
Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 664.022+/-0.153 χ^2/NDF:149029.5/10

+ sign 766.993+/-0.141 χ^2/NDF: 3938195.0/27

All: 761.711+/-0.099 χ^2/NDF: 7526733.7/57

- 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: -1266.381+/-474.074 χ^2/NDF:14.1/11

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

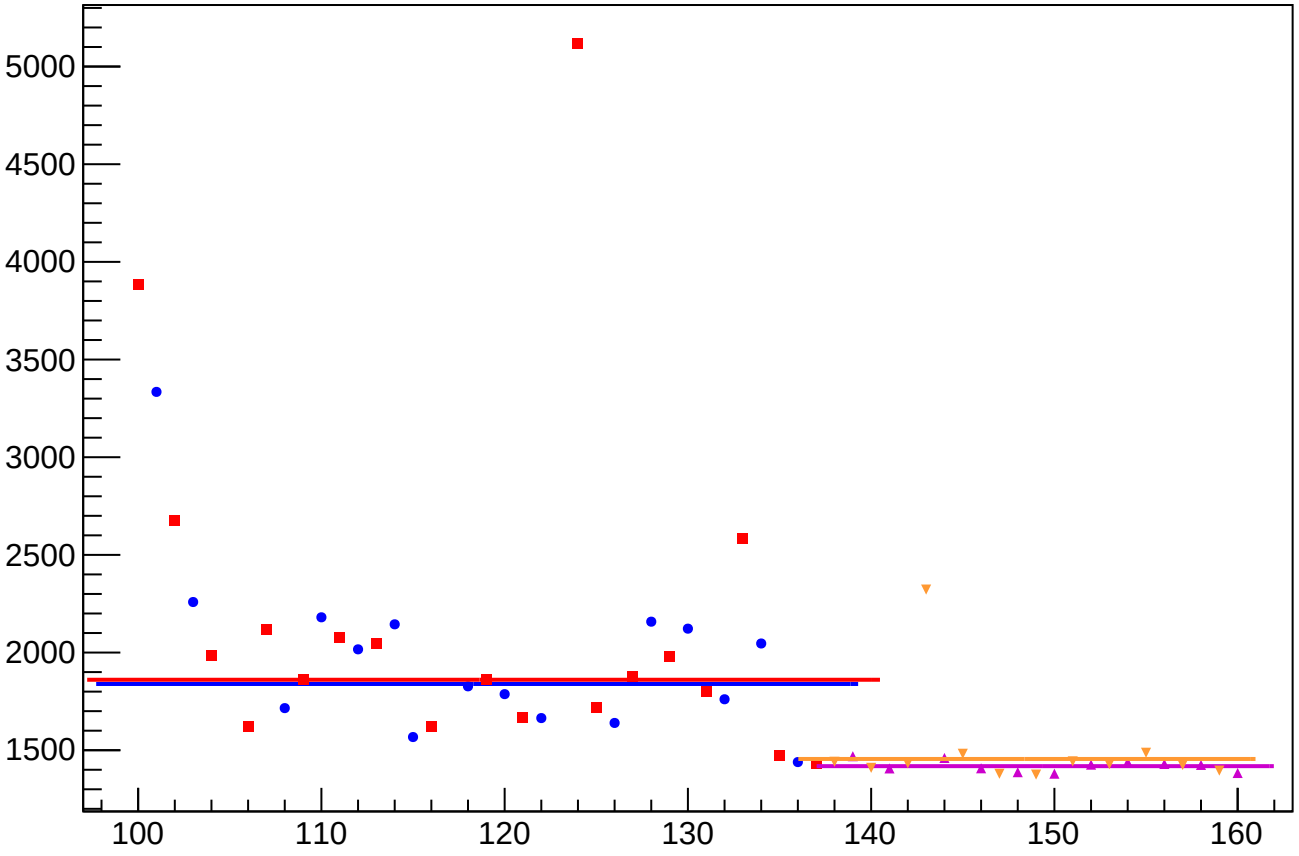
Left In: -14.145+/-458.917 χ^2/NDF:9.7/10

+ sign -835.735+/-392.346 χ^2/NDF: 38.0/27

All: -454.049+/-274.340 χ^2/NDF: 60.0/57

- 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: 1455.282+/-0.335 χ^2/NDF:246013.1/11

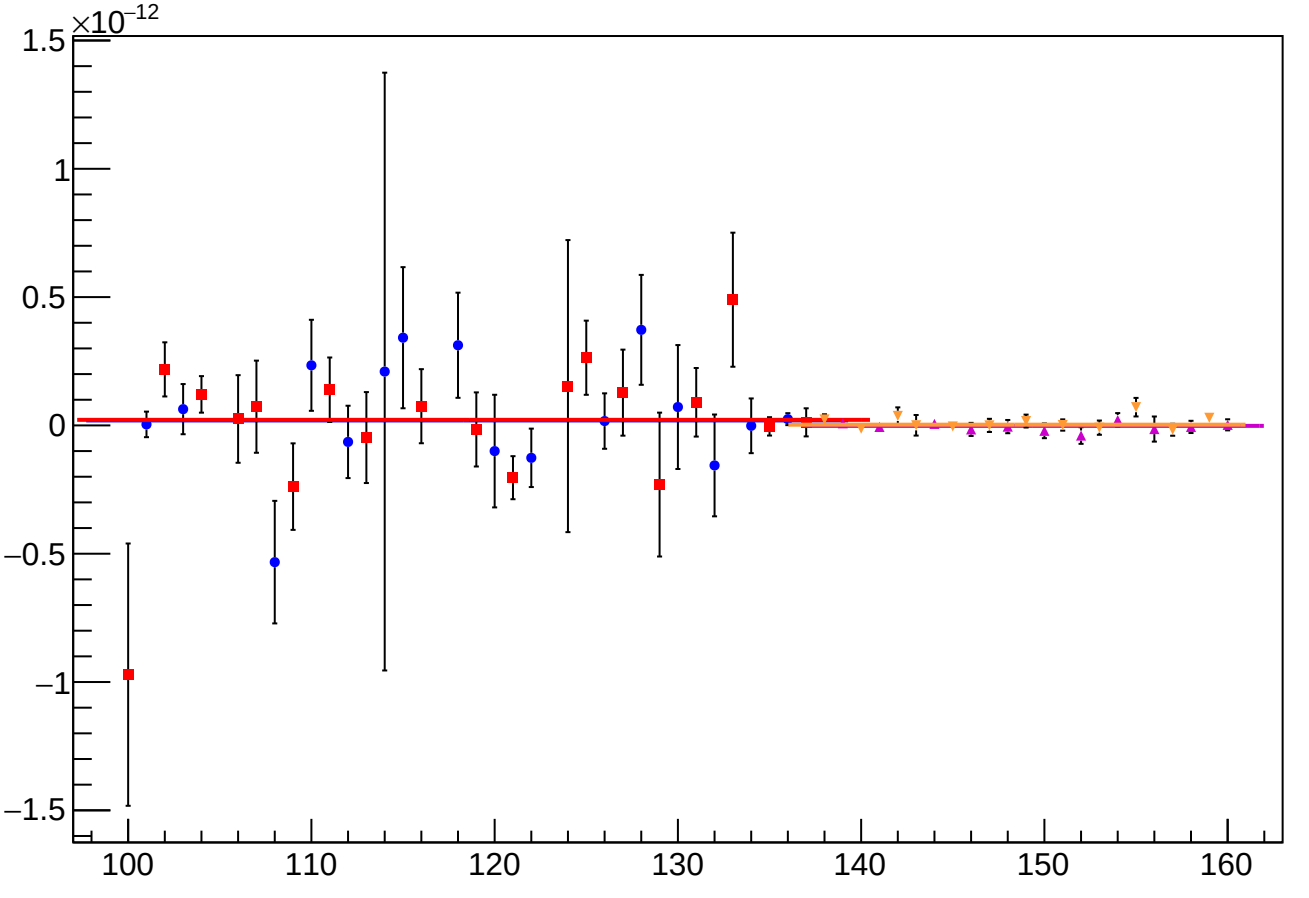
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1418.484+/-0.325 χ^2/NDF:7579.7/10

\+ sign 1576.216+/-0.277 χ^2/NDF: 1215810.1/27

All: 1563.588+/-0.194 χ^2/NDF: 2308256.2/57

\- 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:11.1/11

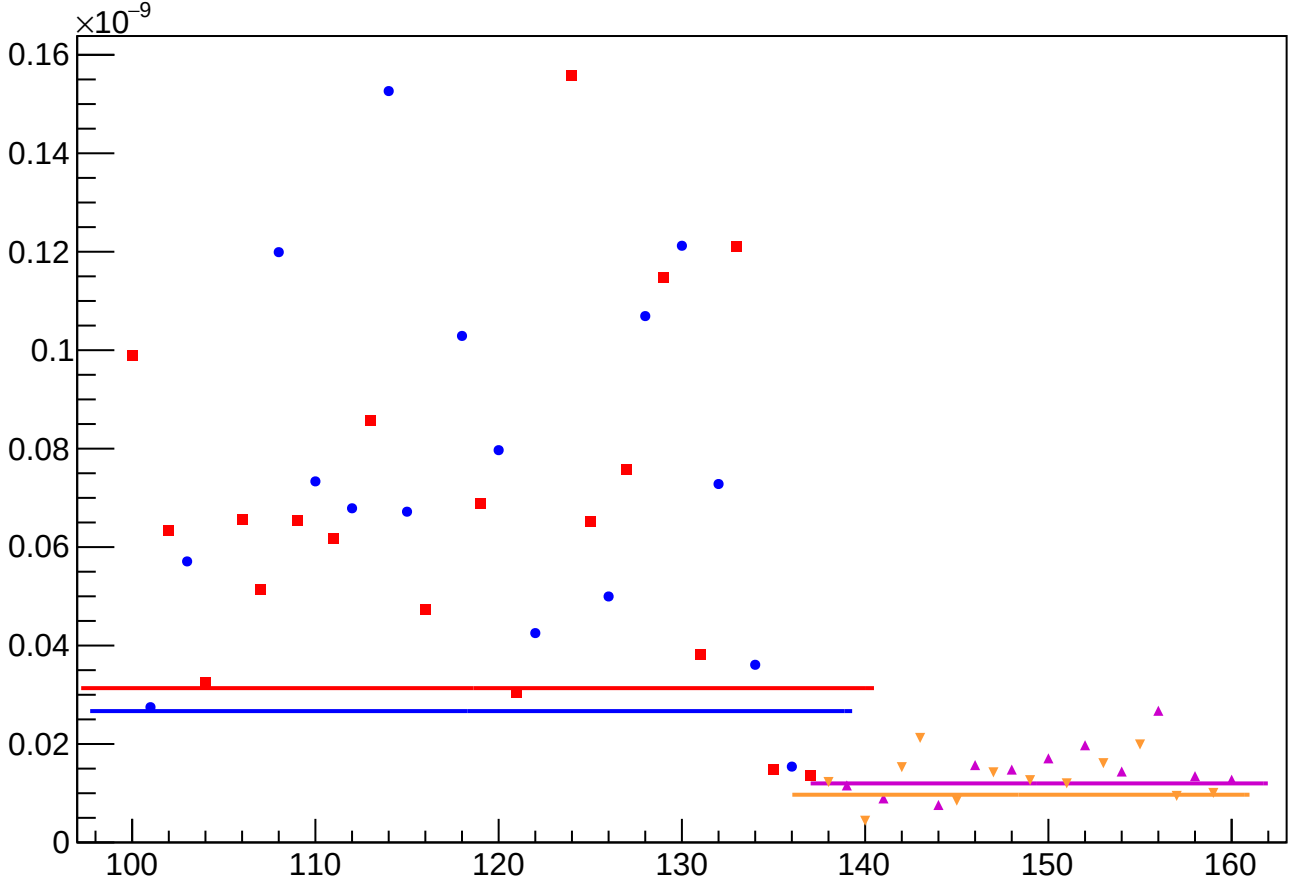
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 28.3/27

All: 0.000+/-0.000 χ^2/NDF: 61.4/57

- 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:1136859.2/11

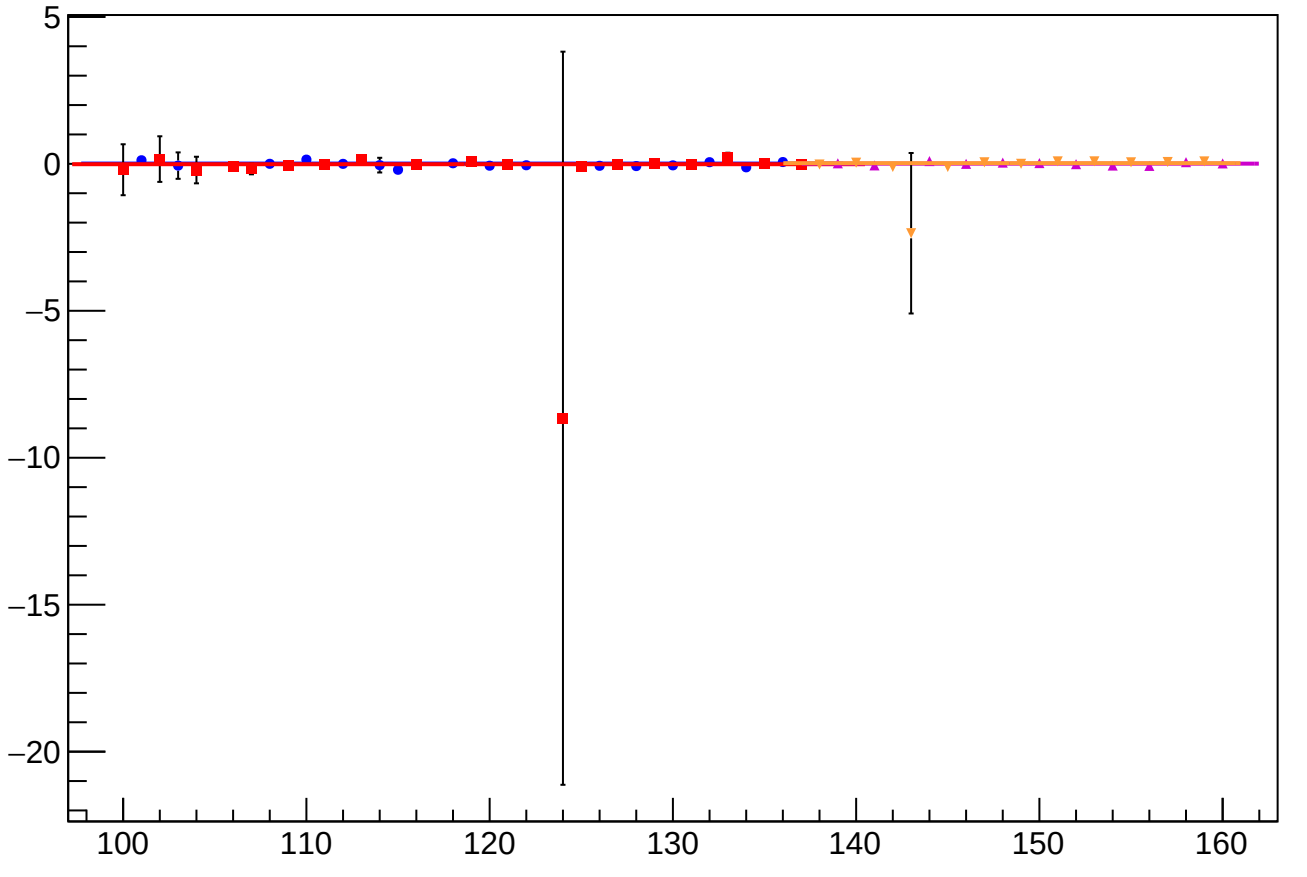
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:740193.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 5203739.5/27

All: 0.000+/-0.000 χ^2/NDF: 9757226.6/57

- 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: 0.023+/-0.014 χ^2/NDF:16.2/11

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

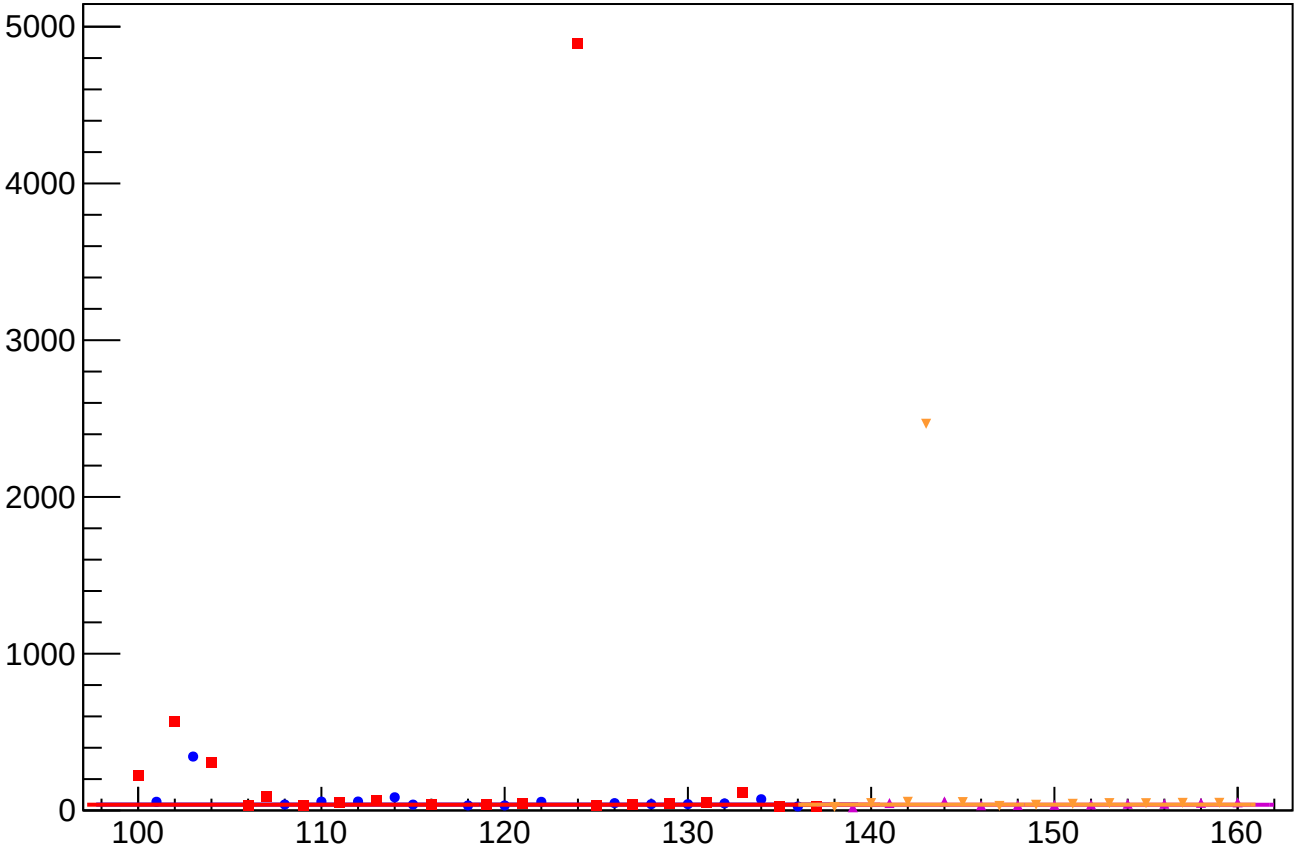
Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.017+/-0.010 χ^2/NDF: 35.9/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/57

- 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: 37.282+/-0.010 χ^2/NDF:2870632.2/11

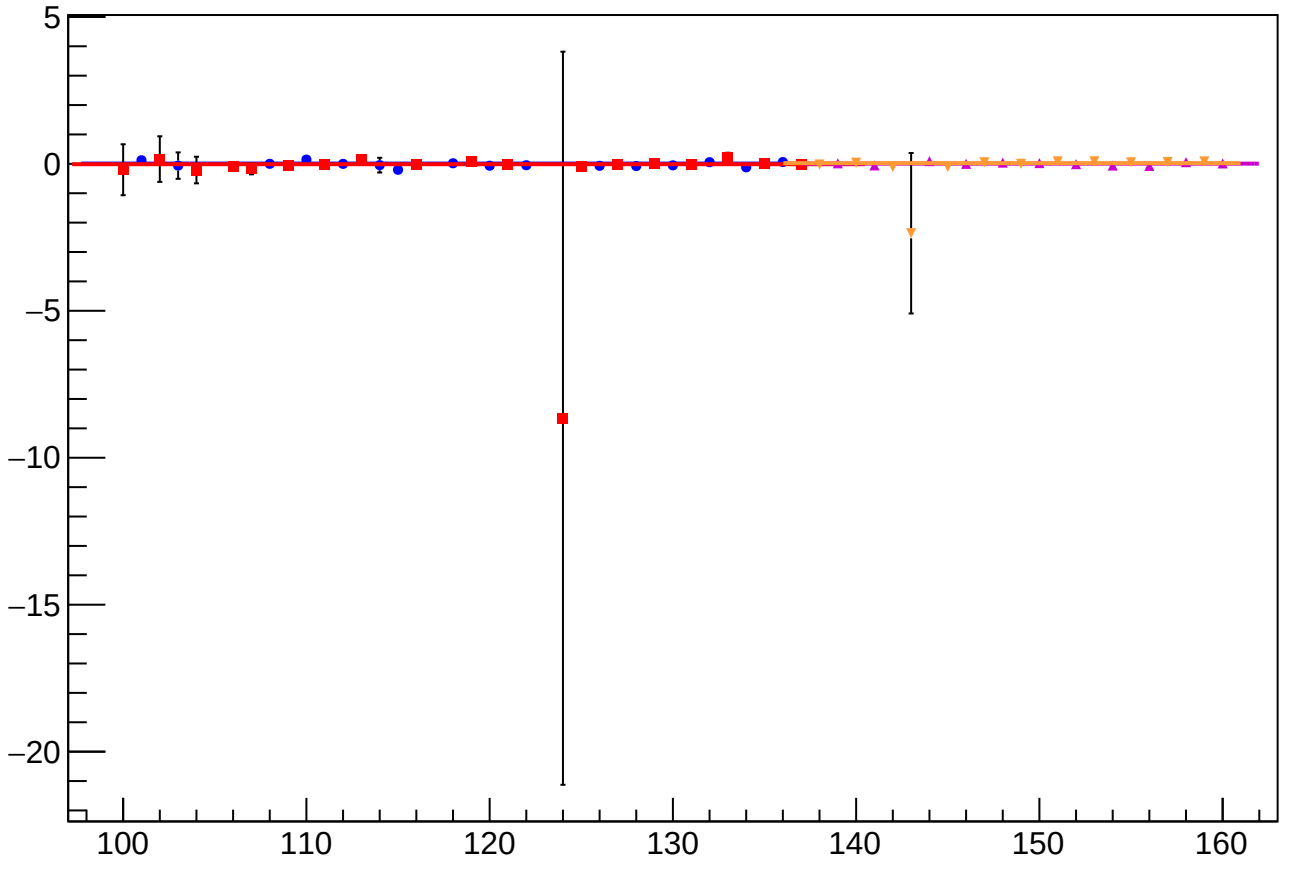
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.387+/-0.009 χ^2/NDF:1340802.6/10

+ sign 37.372+/-0.007 χ^2/NDF: 4854108.6/27

All: 36.942+/-0.005 χ^2/NDF: 9392829.0/57

- 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: 0.023+/-0.014 χ^2/NDF:16.2/11

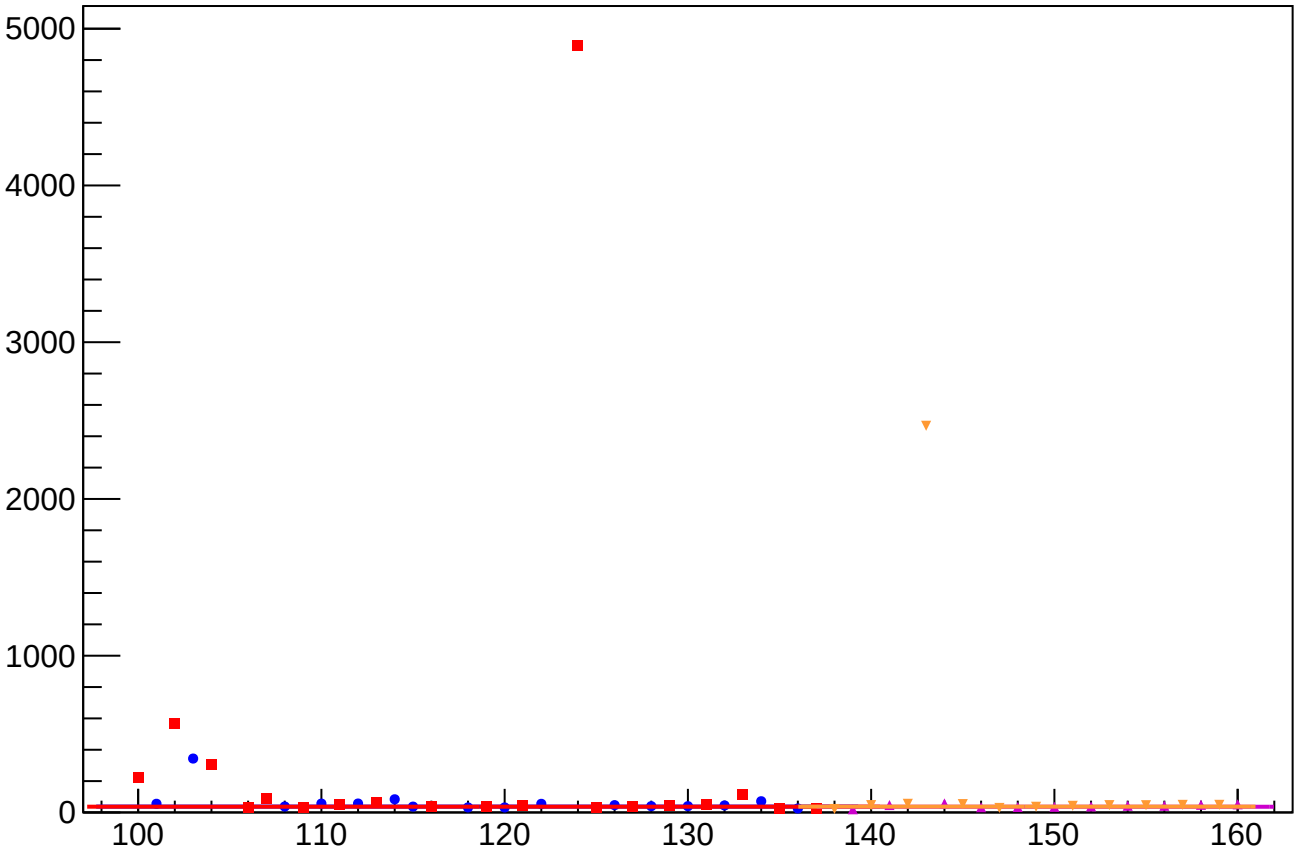
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.017+/-0.010 χ^2/NDF: 35.9/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/57

- 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: 37.282+/-0.010 χ^2/NDF:2870632.2/11

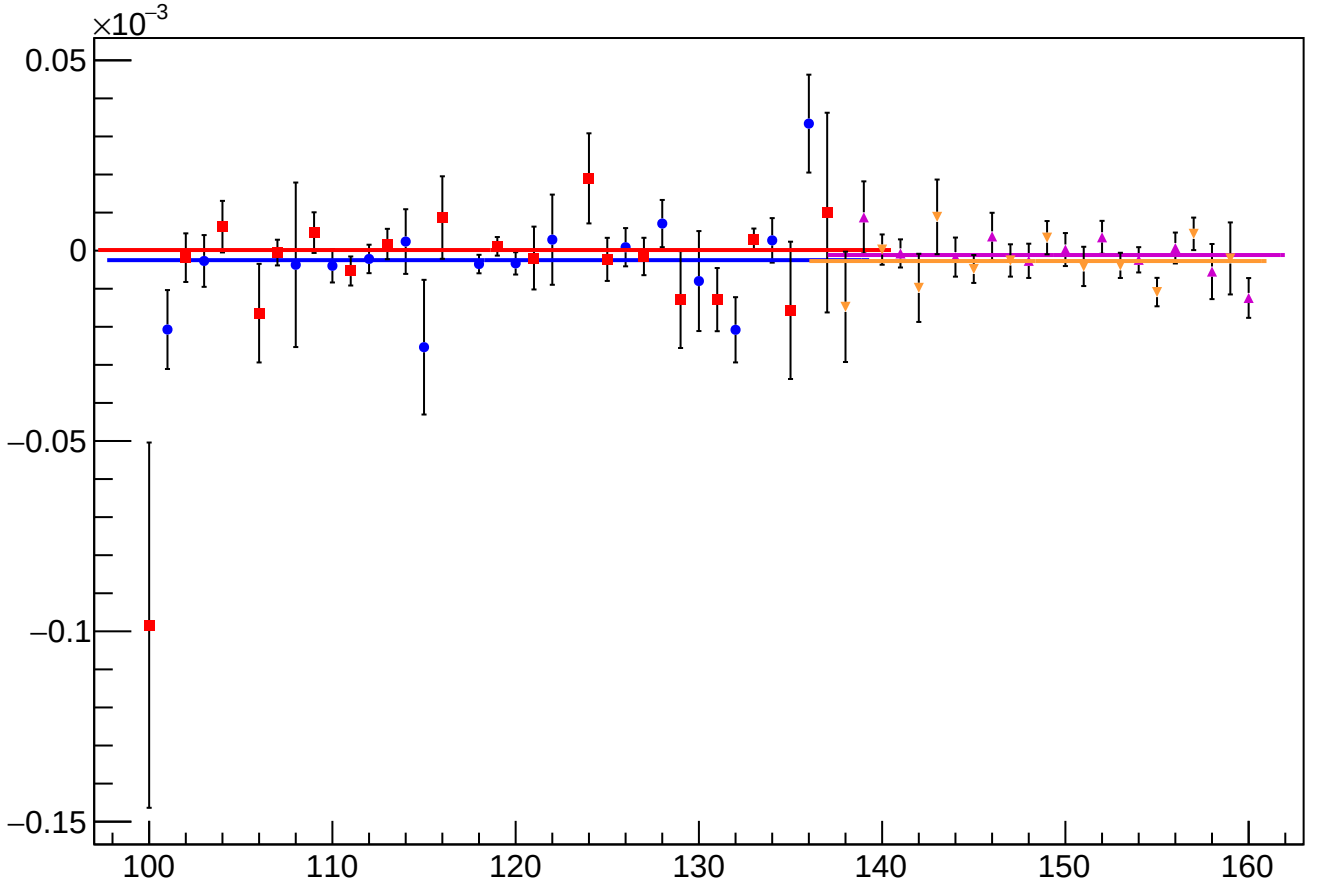
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.387+/-0.009 χ^2/NDF:1340802.6/10

\+ sign 37.372+/-0.007 χ^2/NDF: 4854108.6/27

All: 36.942+/-0.005 χ^2/NDF: 9392829.0/57

\- 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:13.3/11

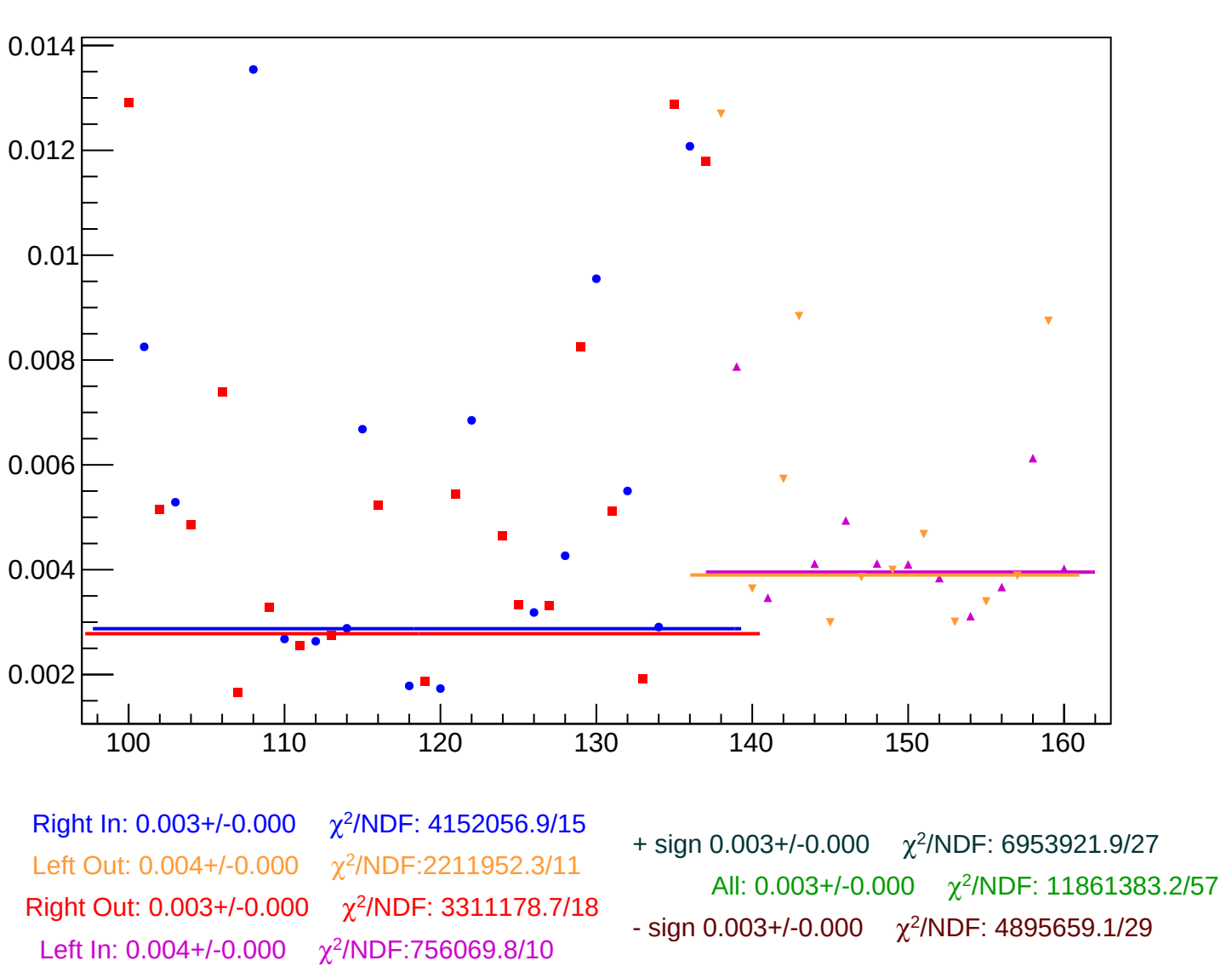
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

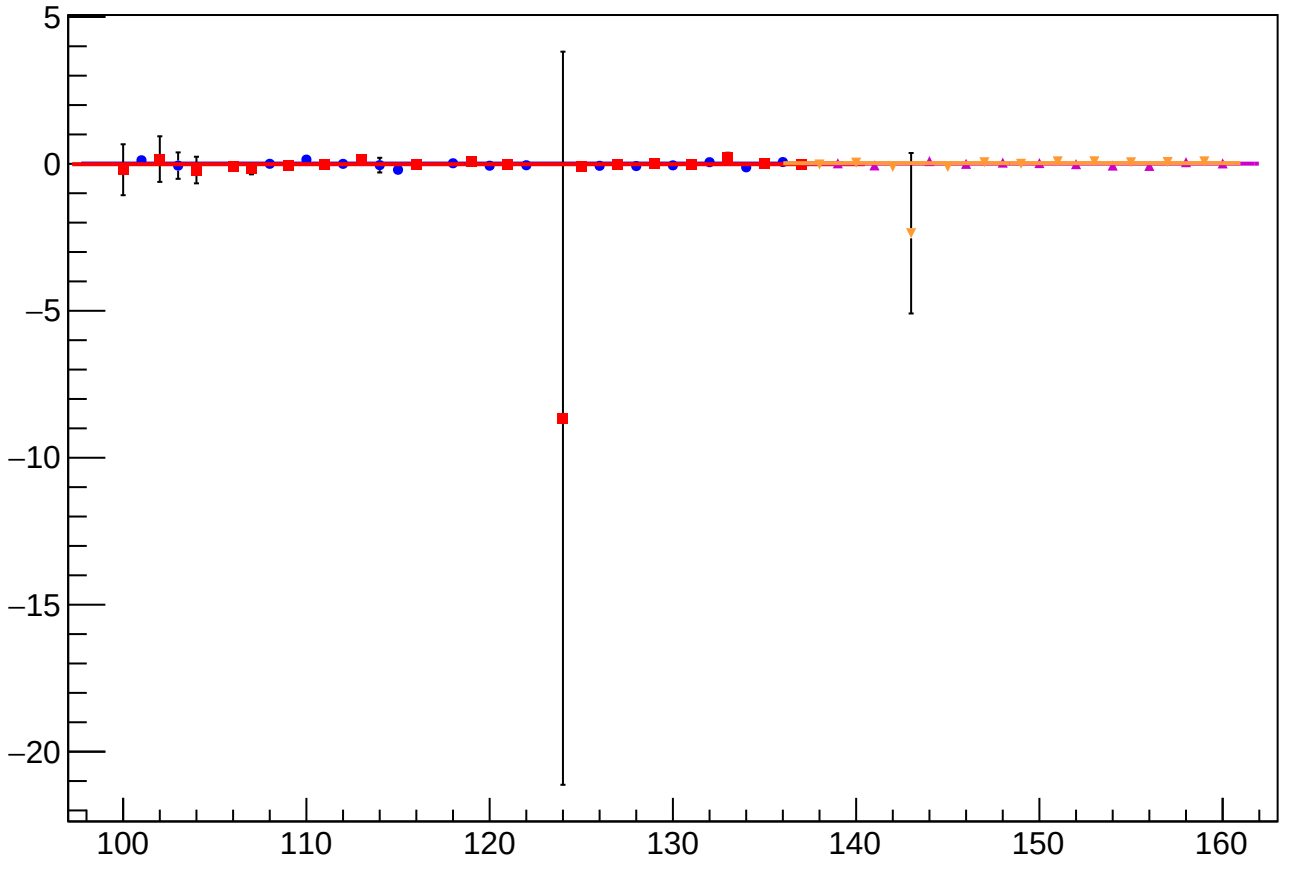
Left In: -0.000+/-0.000 χ^2/NDF:8.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/27

All: -0.000+/-0.000 χ^2/NDF: 66.0/57

- sign -0.000+/-0.000 χ^2/NDF: 27.9/29


asym_at1_dd_at2_dd_avg_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: 4152056.9/15
Left Out: 0.004+/-0.000 χ²/NDF:2211952.3/11
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.004+/-0.000 χ²/NDF:756069.8/10
+ sign 0.003+/-0.000 χ²/NDF: 6953921.9/27
All: 0.003+/-0.000 χ²/NDF: 11861383.2/57
- sign 0.003+/-0.000 χ²/NDF: 4895659.1/29



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.014 χ^2/NDF:16.2/11

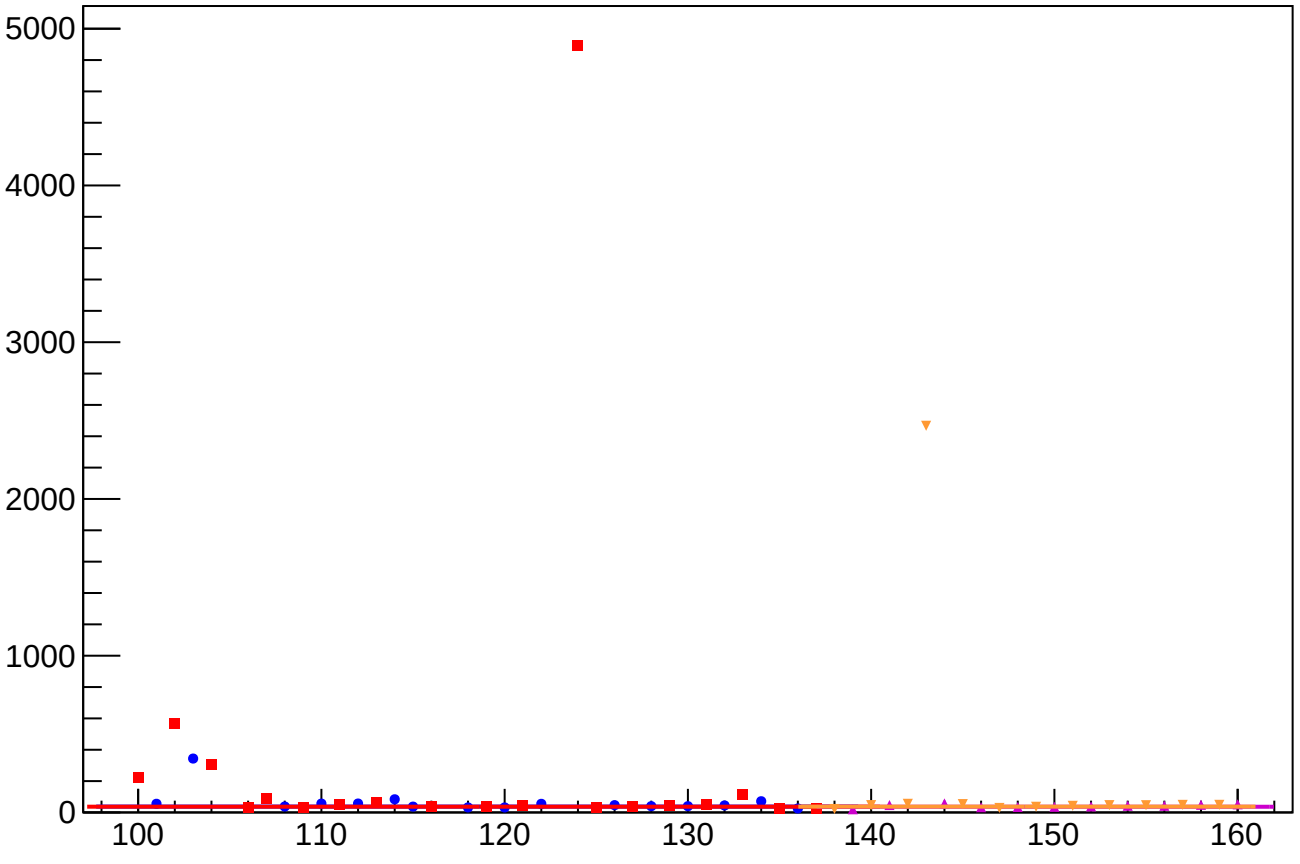
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/57

- 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: 37.279+/-0.010 χ^2/NDF:2871228.8/11

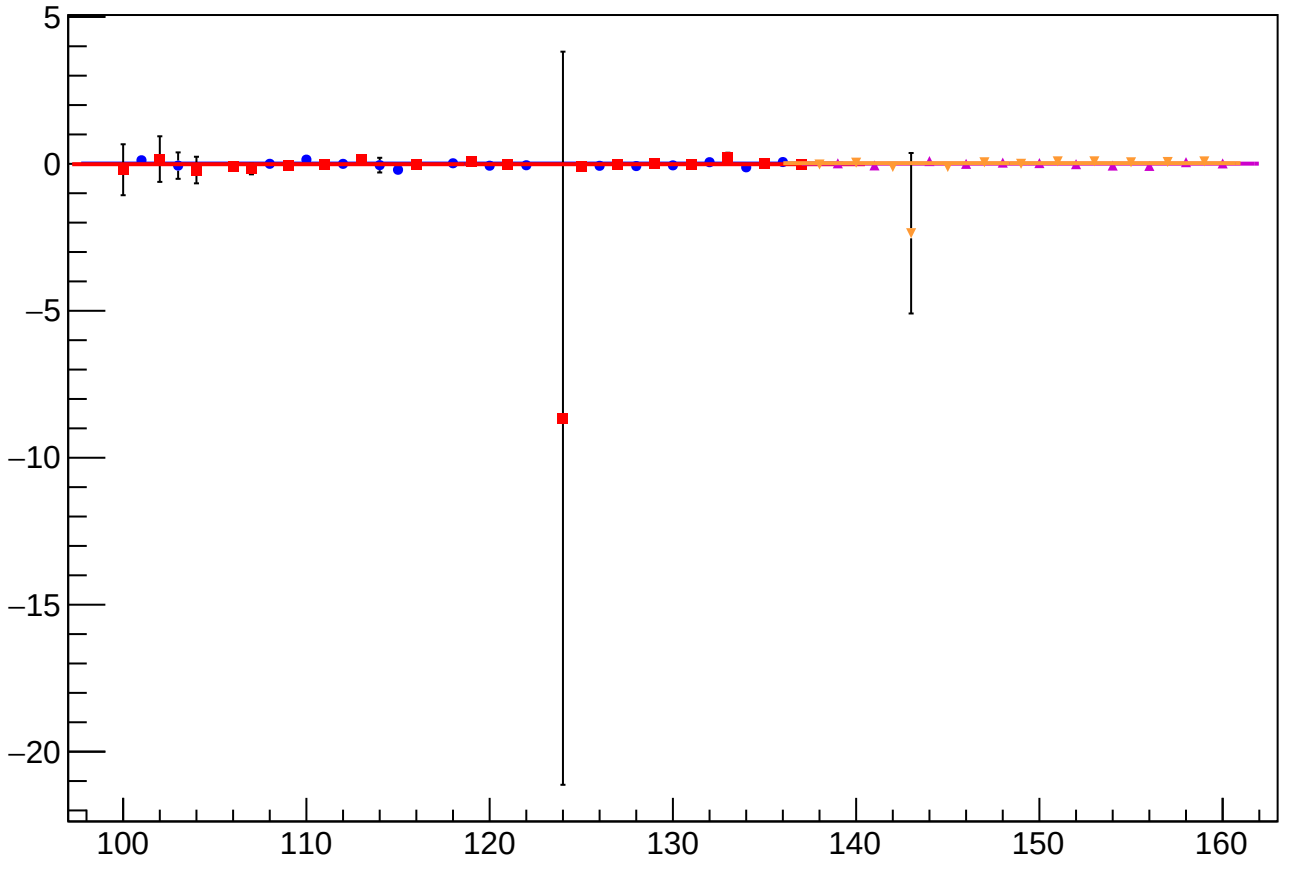
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.390+/-0.009 χ^2/NDF:1339766.7/10

\+ sign 37.371+/-0.007 χ^2/NDF: 4854641.5/27

All: 36.943+/-0.005 χ^2/NDF: 9391960.2/57

\- 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: 0.023+/-0.014 χ^2/NDF:16.2/11

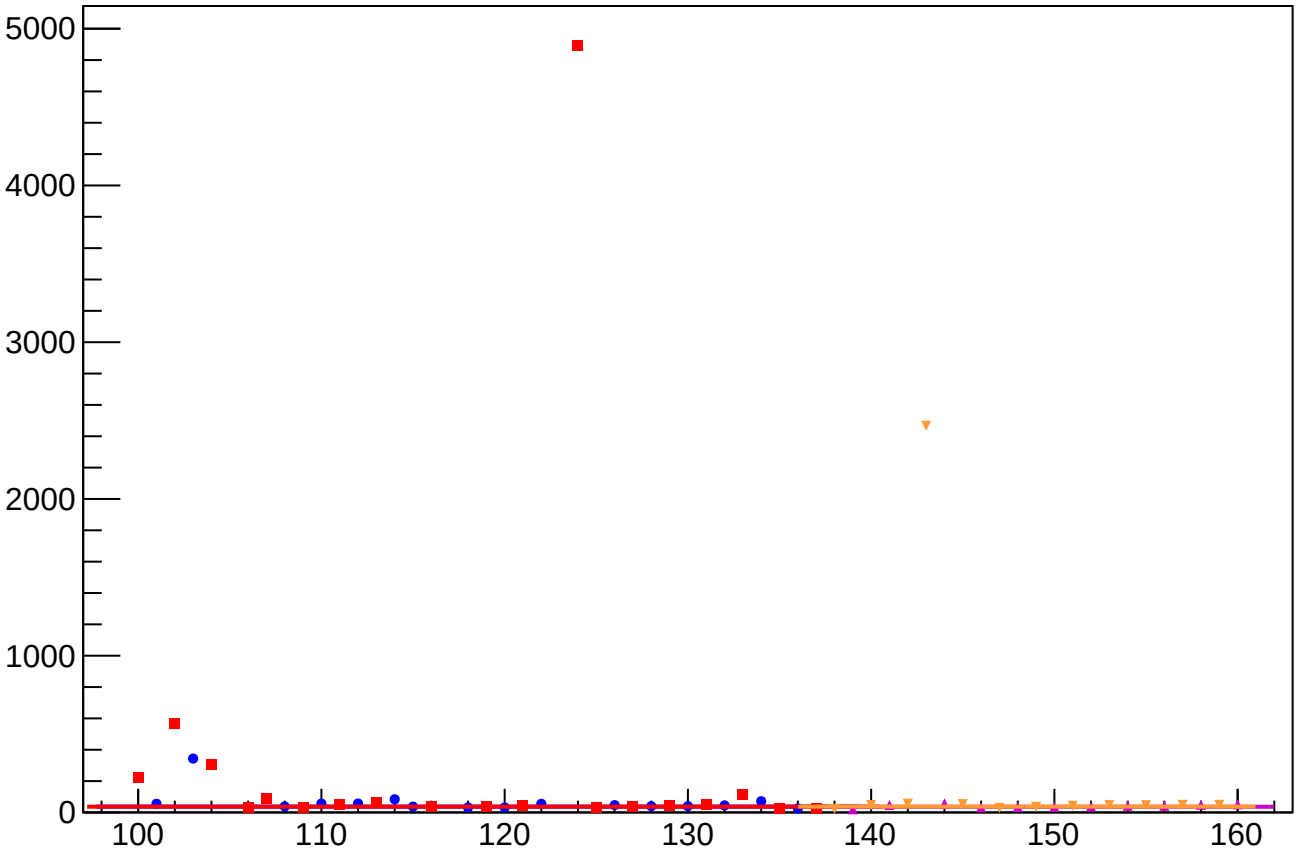
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/10

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/27

All: 0.008+/-0.007 χ^2/NDF: 60.4/57

- 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: 37.279+/-0.010 χ^2/NDF:2871228.8/11

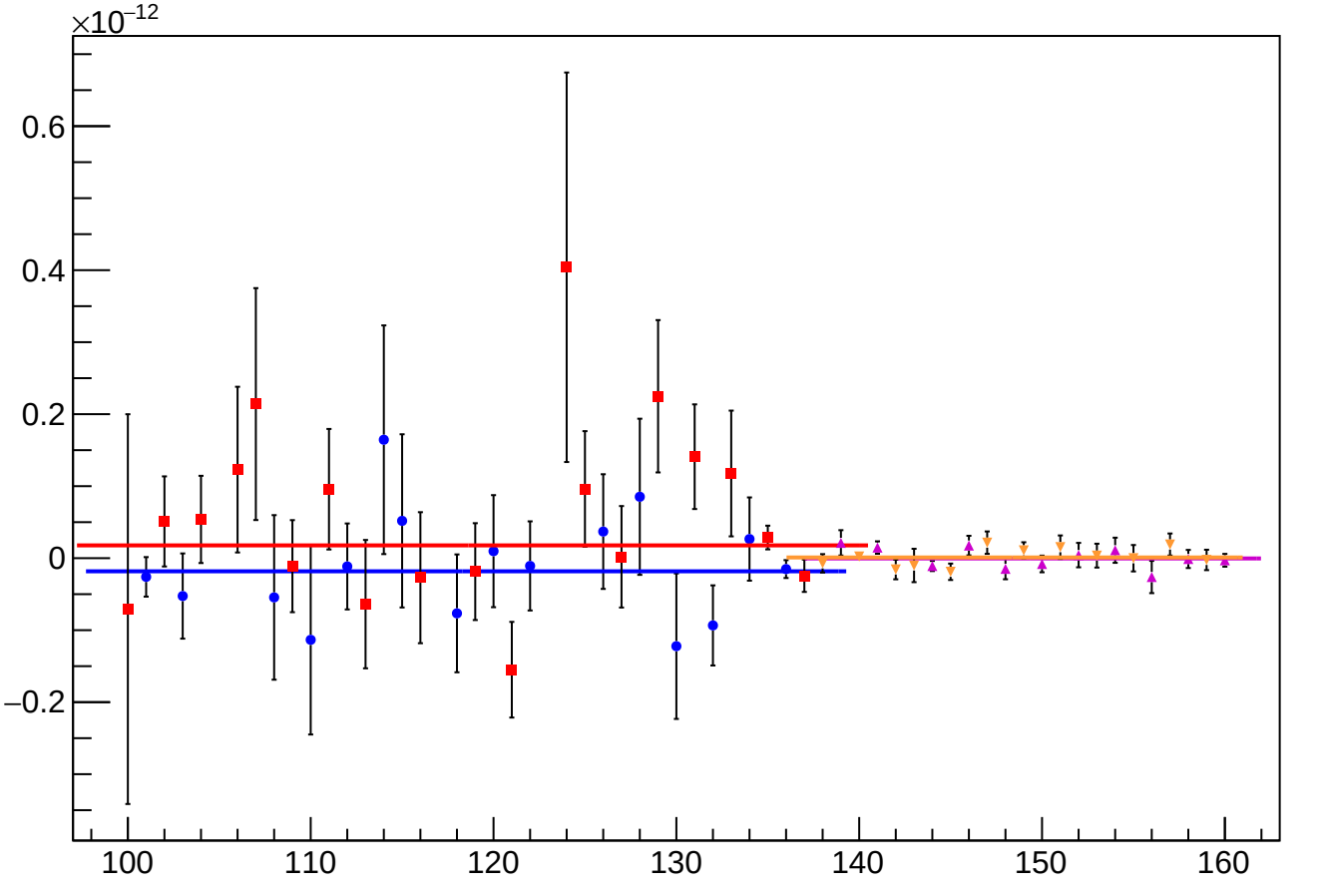
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.390+/-0.009 χ^2/NDF:1339766.7/10

+ sign 37.371+/-0.007 χ^2/NDF: 4854641.5/27

All: 36.943+/-0.005 χ^2/NDF: 9391960.2/57

- 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:10.0/11

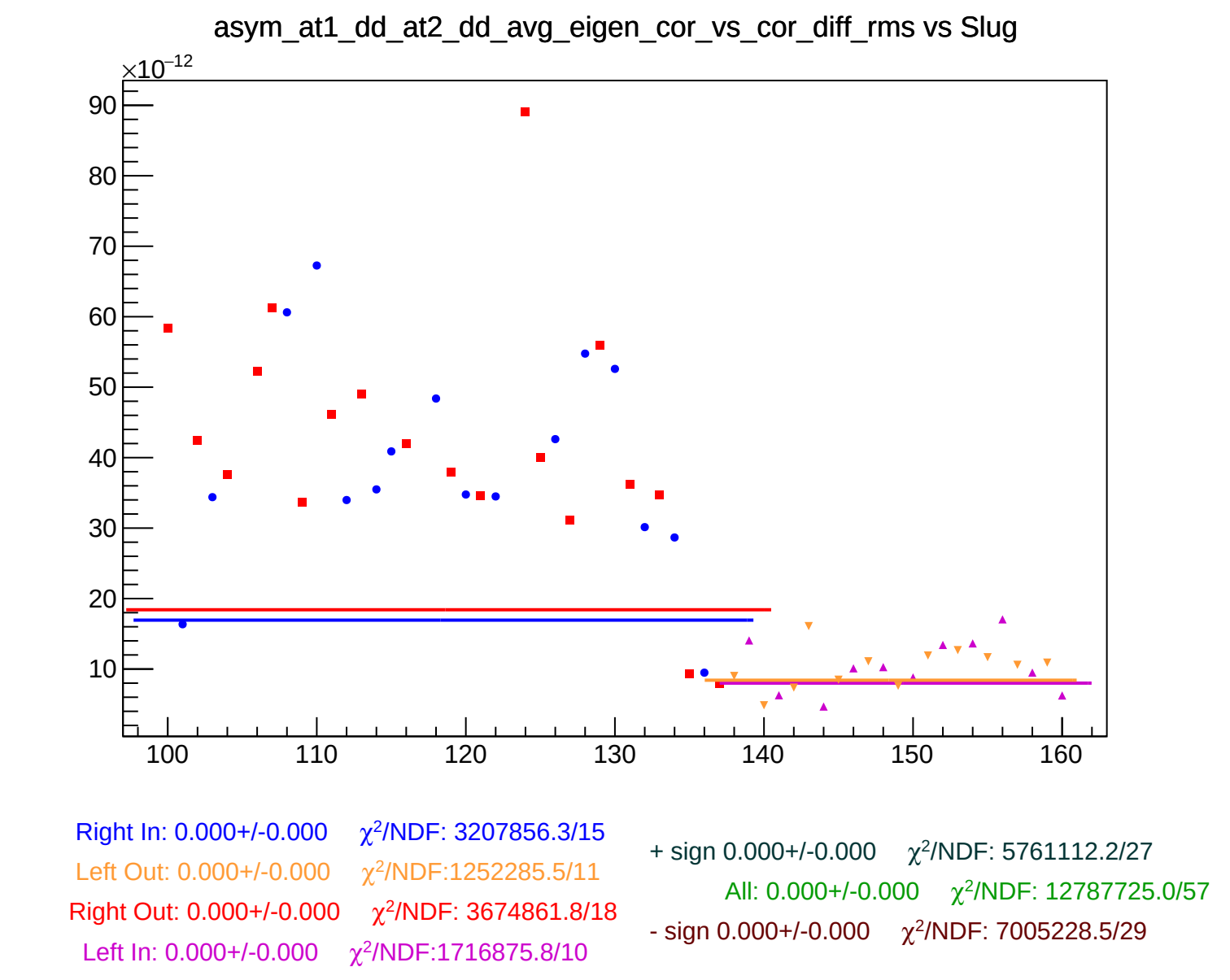
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/10

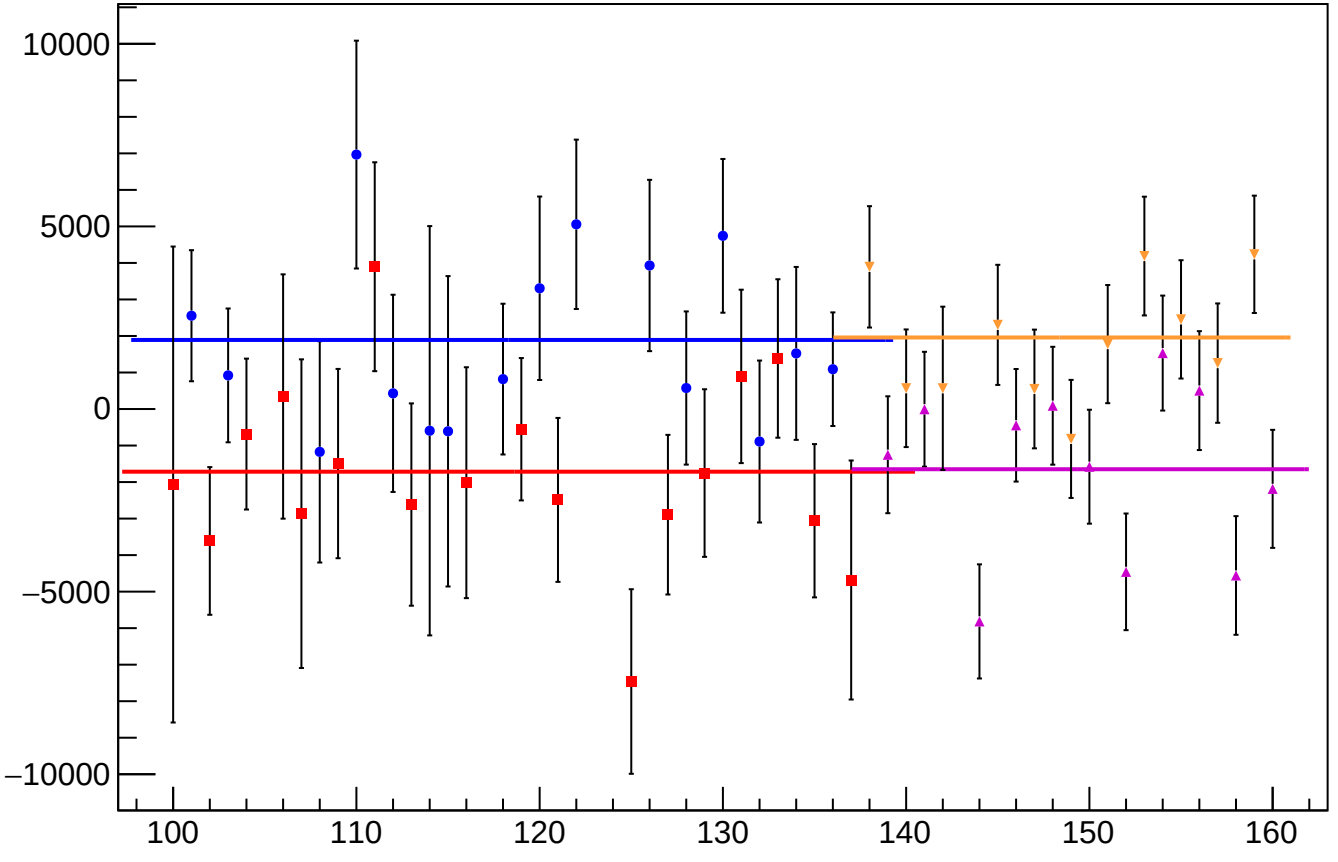
+ sign -0.000+/-0.000 χ^2/NDF: 21.6/27

All: 0.000+/-0.000 χ^2/NDF: 63.5/57

- 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
60
50
40
30
20
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:1252285.5/11
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: 5761112.2/27
All: 0.000+/-0.000 χ²/NDF: 12787725.0/57
- 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: 1958.686+/-501.128 χ^2/NDF:10.4/10

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

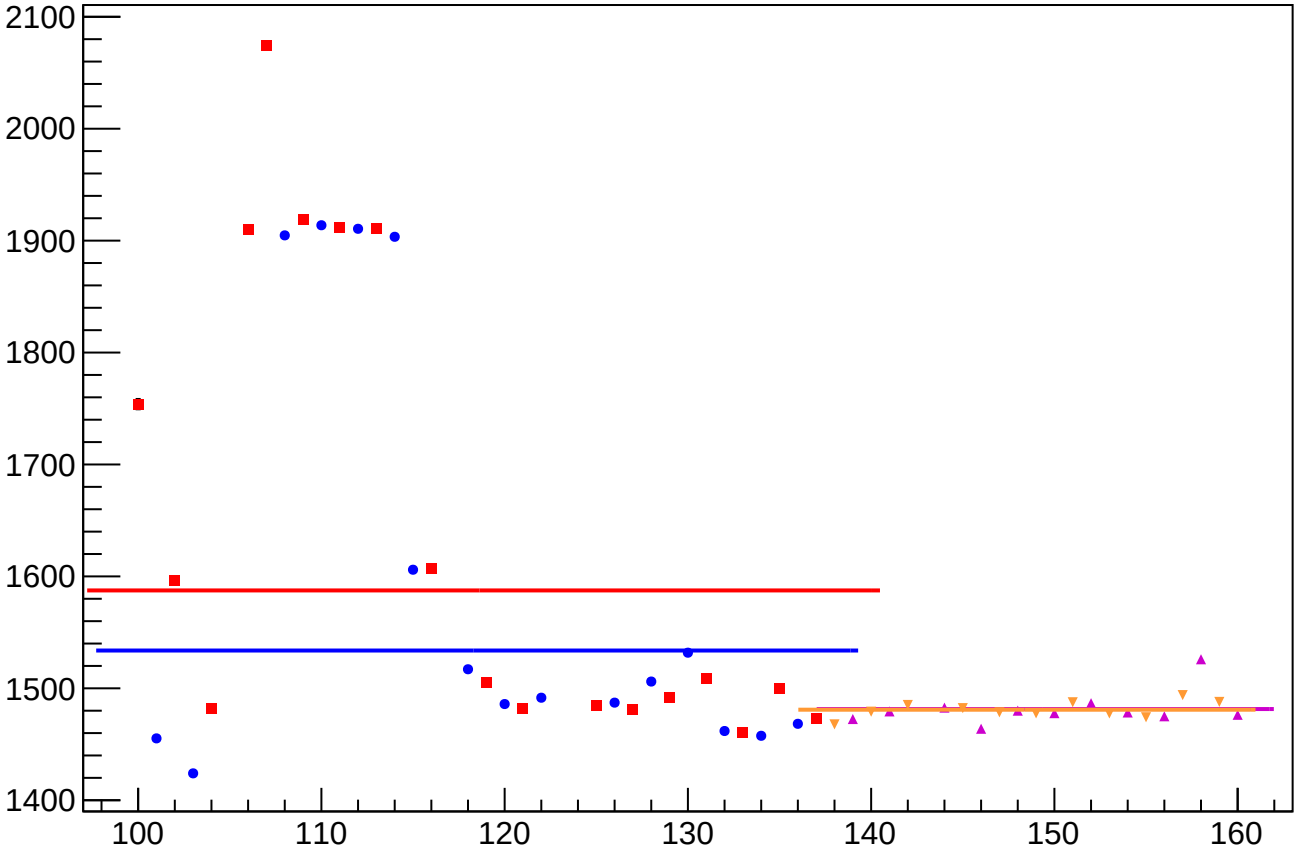
Left In: -1648.318+/-479.178 χ^2/NDF:22.3/10

+ sign 1929.506+/-377.002 χ^2/NDF: 22.6/26

All: 102.287+/-264.736 χ^2/NDF: 107.2/55

- 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: 1480.903+/-0.354 χ^2/NDF:389.1/10

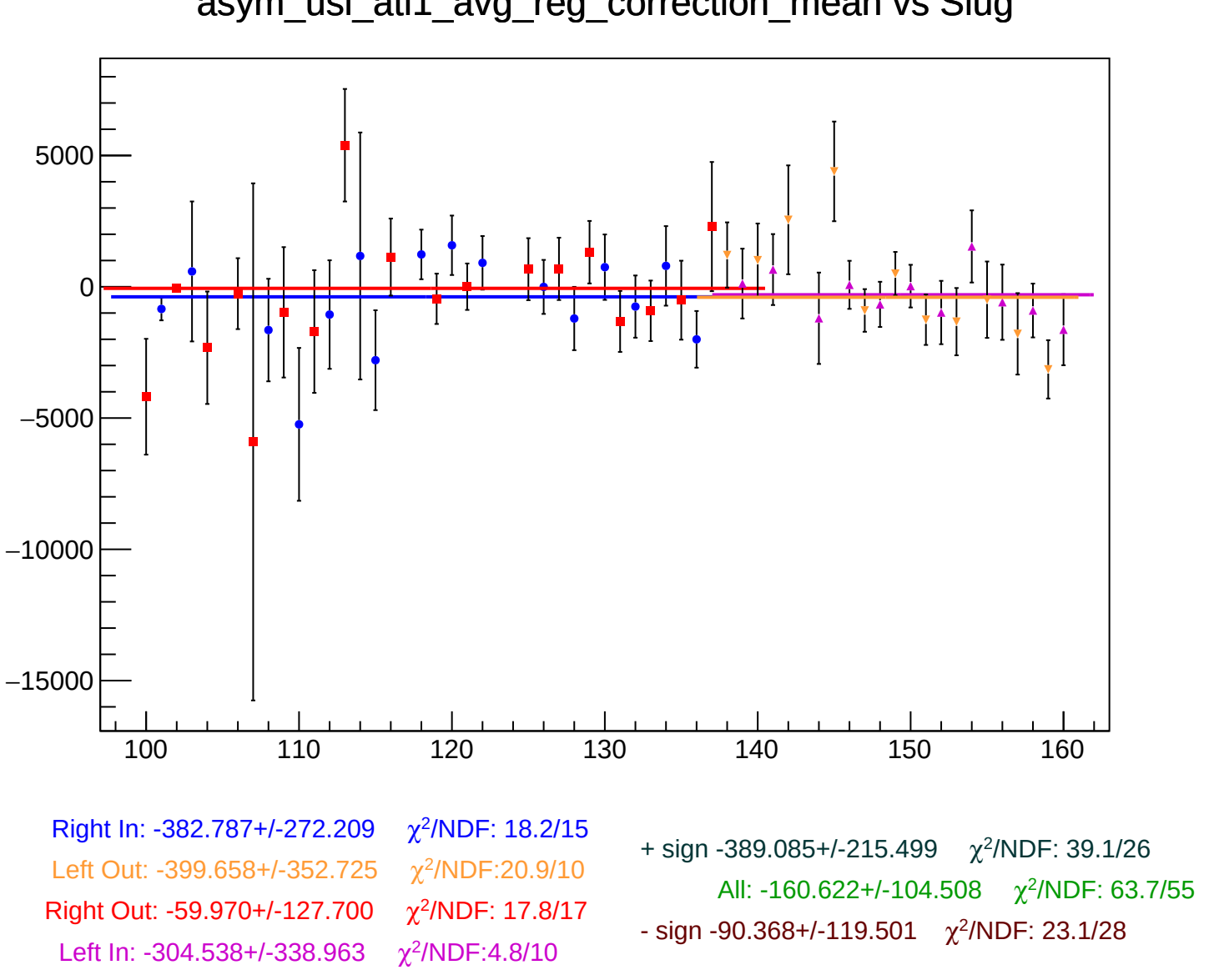
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1481.484+/-0.339 χ^2/NDF:1920.3/10

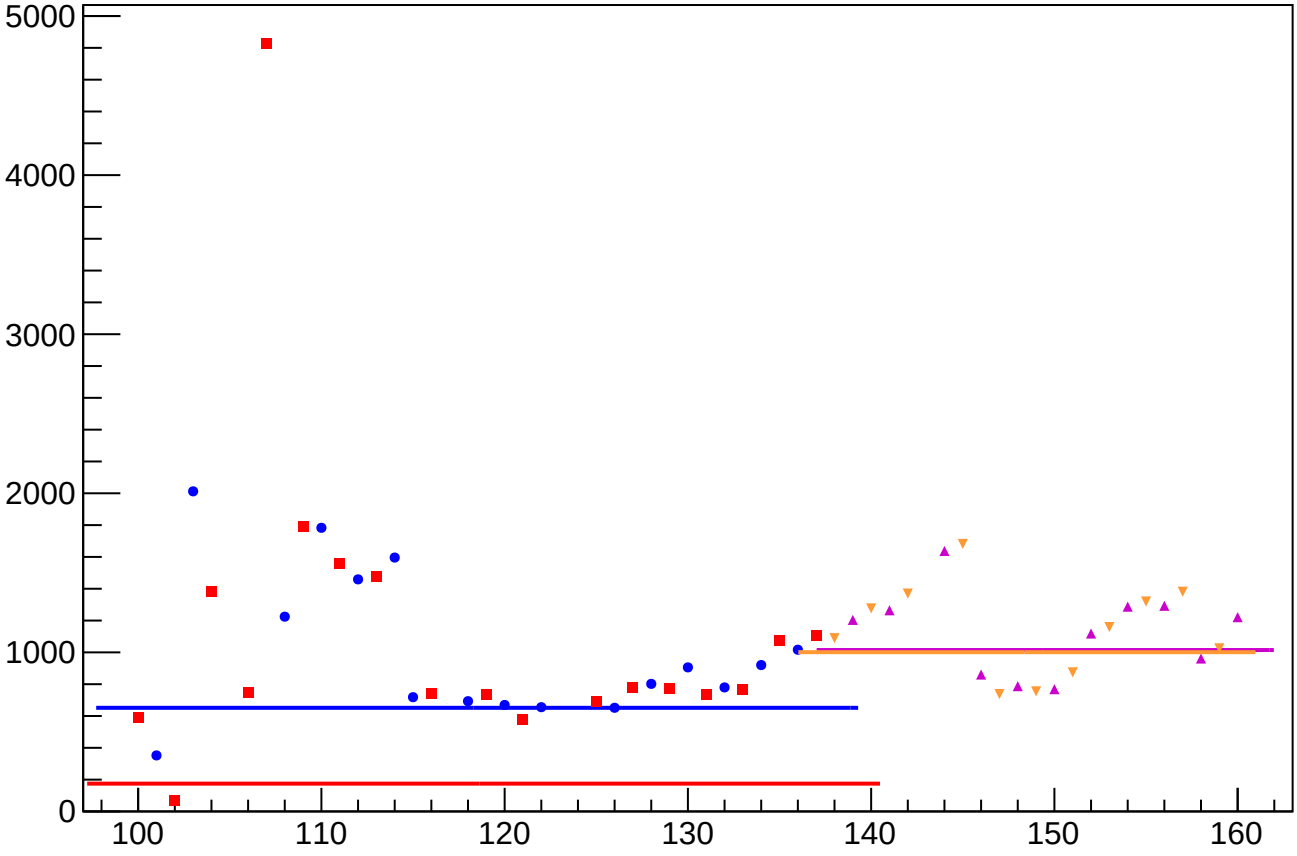
+ sign 1503.849+/-0.267 χ^2/NDF: 139322.2/26

All: 1513.884+/-0.187 χ^2/NDF: 354946.1/55

- sign 1523.646+/-0.263 χ^2/NDF: 212828.4/28


asym_usl_atl1_avg_reg_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -382.787+/-272.209 χ²/NDF: 18.2/15
Left Out: -399.658+/-352.725 χ²/NDF:20.9/10
Right Out: -59.970+/-127.700 χ²/NDF: 17.8/17
Left In: -304.538+/-338.963 χ²/NDF:4.8/10
+ sign -389.085+/-215.499 χ²/NDF: 39.1/26
All: -160.622+/-104.508 χ²/NDF: 63.7/55
- sign -90.368+/-119.501 χ²/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: 1001.219+/-0.249 χ^2/NDF:1077684.7/10

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

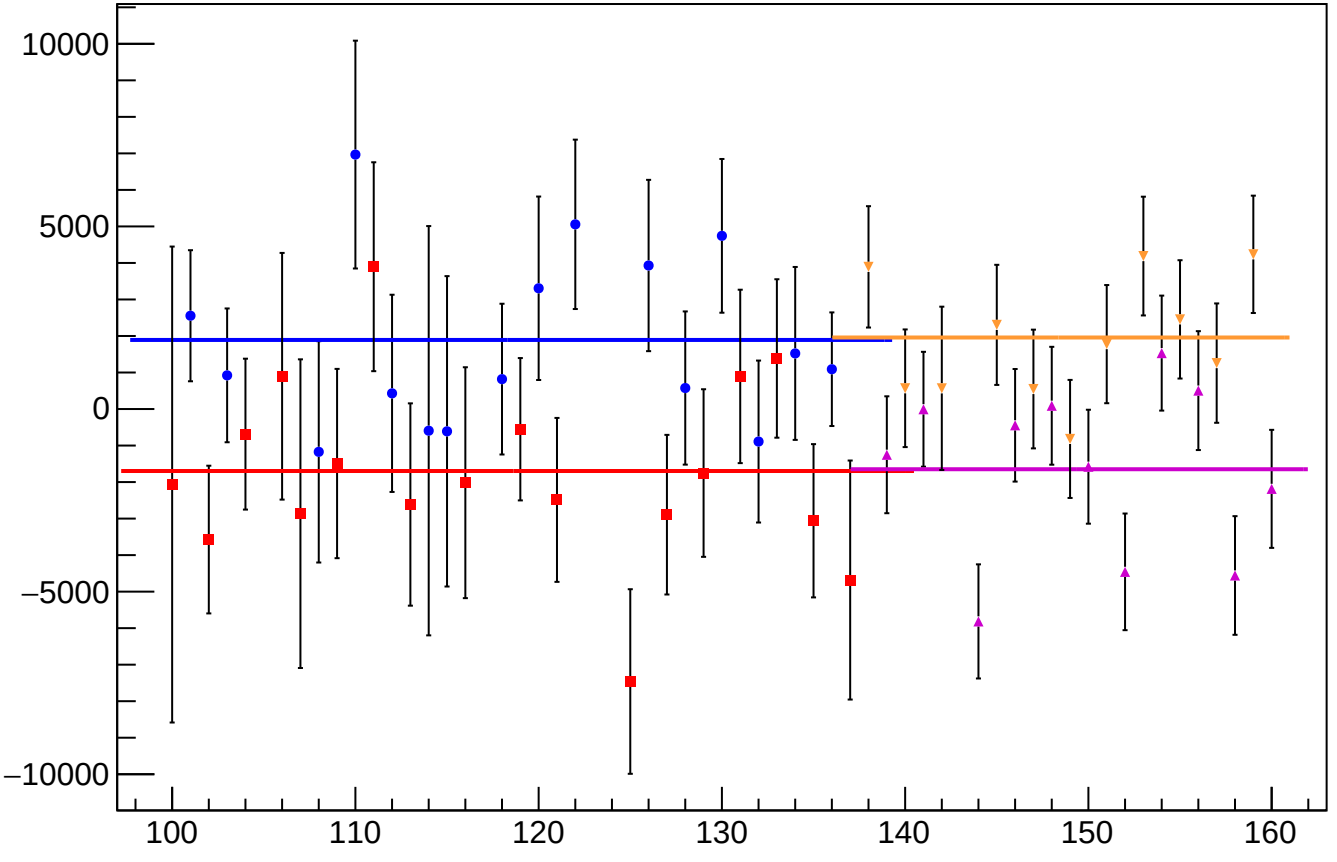
Left In: 1014.729+/-0.240 χ^2/NDF:965428.5/10

+ sign 782.052+/-0.152 χ^2/NDF: 5072373.3/26

All: 397.526+/-0.074 χ^2/NDF: 34876496.2/55

- 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: 1958.626+/-501.128 χ^2/NDF:10.4/10

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

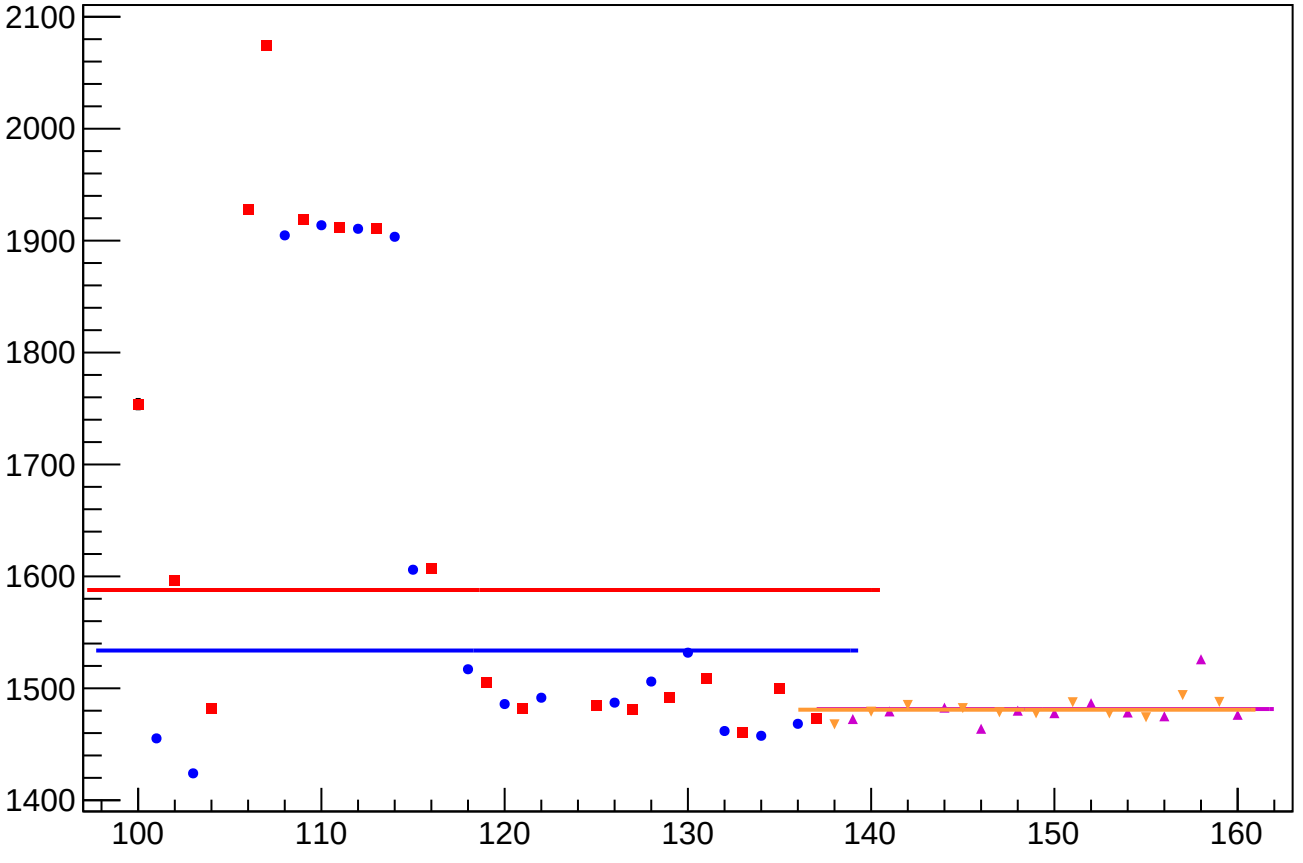
Left In: -1648.449+/-479.178 χ^2/NDF:22.3/10

+ sign 1929.518+/-377.002 χ^2/NDF: 22.6/26

All: 106.292+/-264.752 χ^2/NDF: 107.2/55

- 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: 1480.903+/-0.354 χ^2/NDF:389.1/10

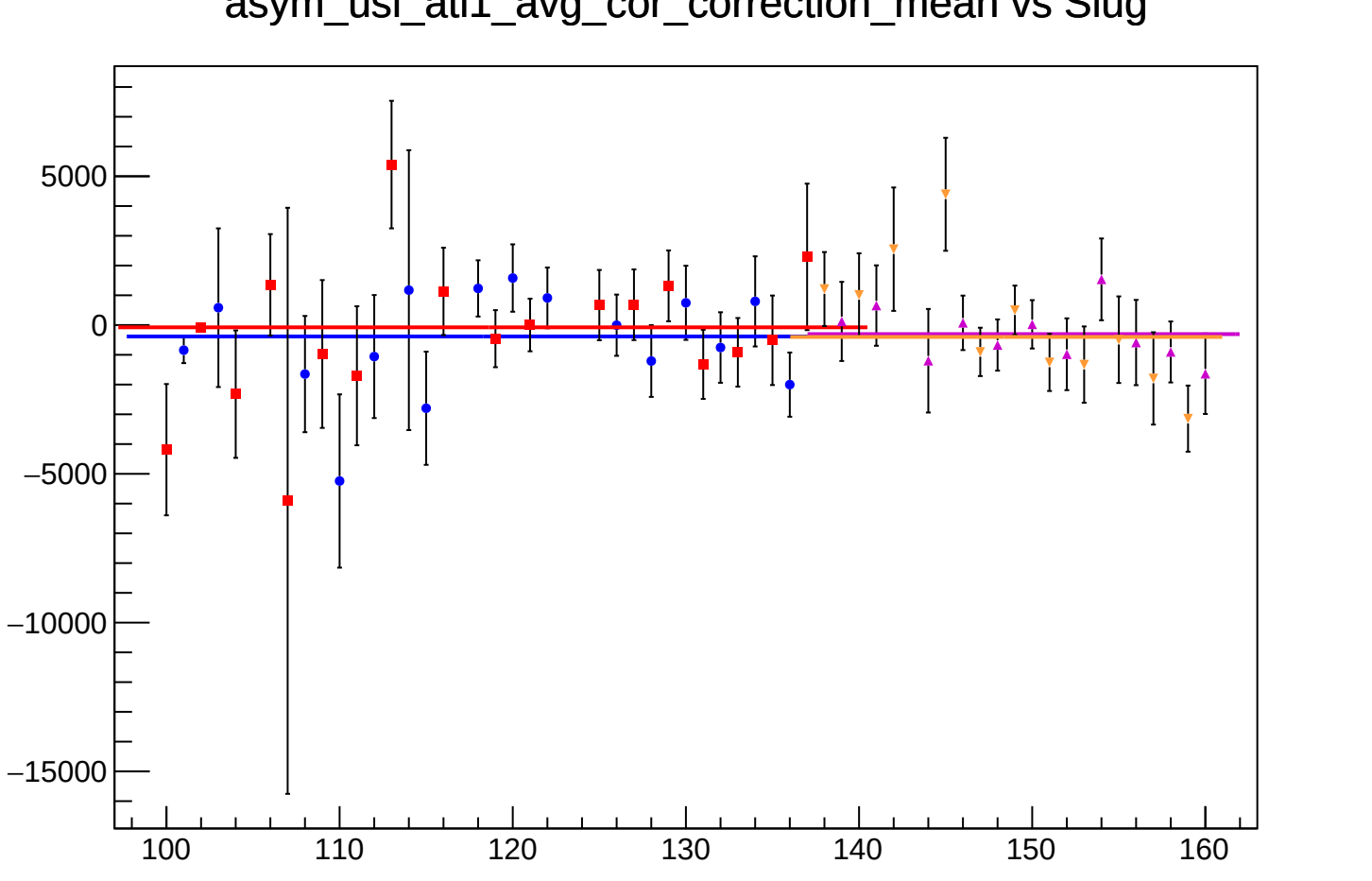
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.484+/-0.339 χ^2/NDF:1920.3/10

+ sign 1503.849+/-0.267 χ^2/NDF: 139322.1/26

All: 1513.953+/-0.187 χ^2/NDF: 357032.0/55

- 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: -399.802+/-352.728 χ^2/NDF:20.9/10

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

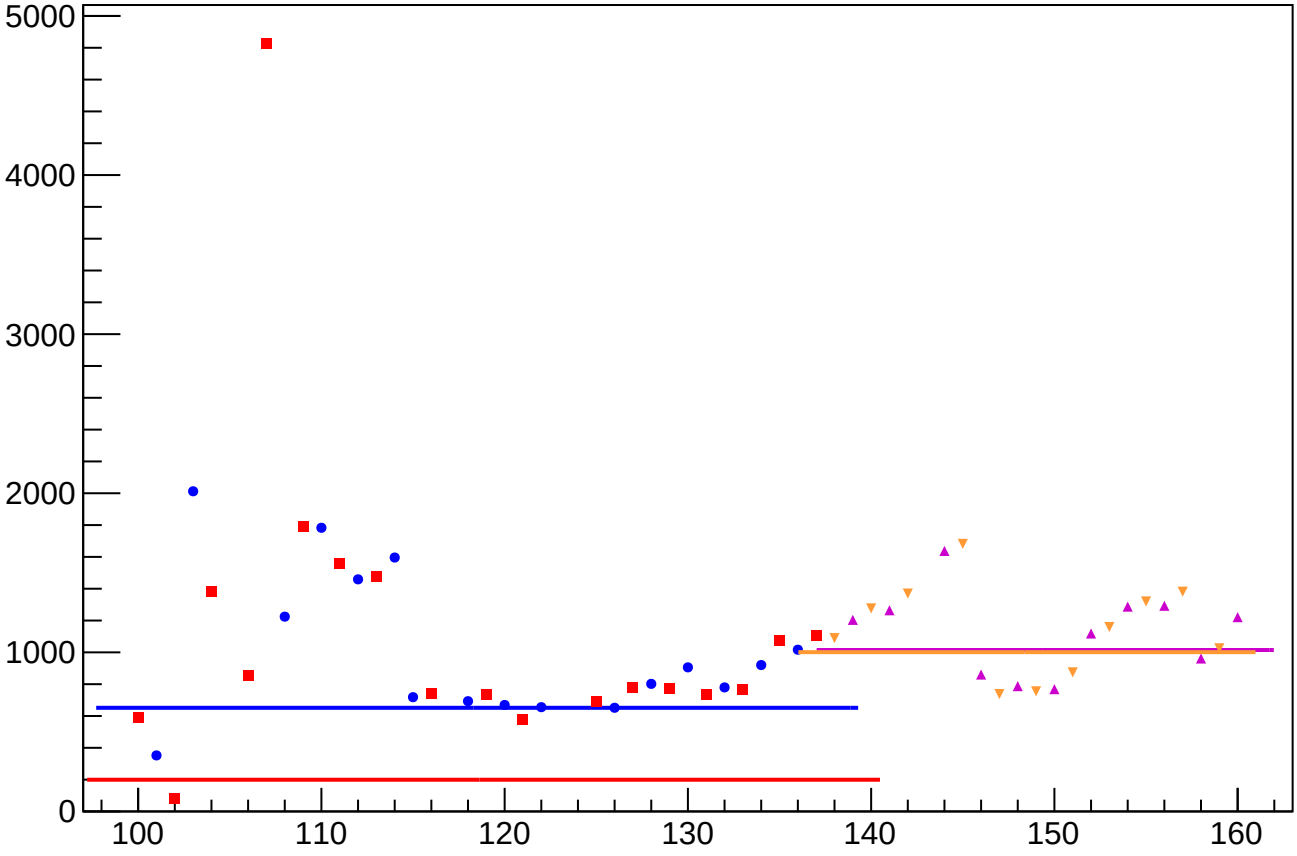
Left In: -304.615+/-338.963 χ^2/NDF:4.8/10

+ sign -389.122+/-215.499 χ^2/NDF: 39.1/26

All: -182.141+/-110.001 χ^2/NDF: 64.1/55

- 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: 1001.230+/-0.249 χ^2/NDF:1077680.9/10

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

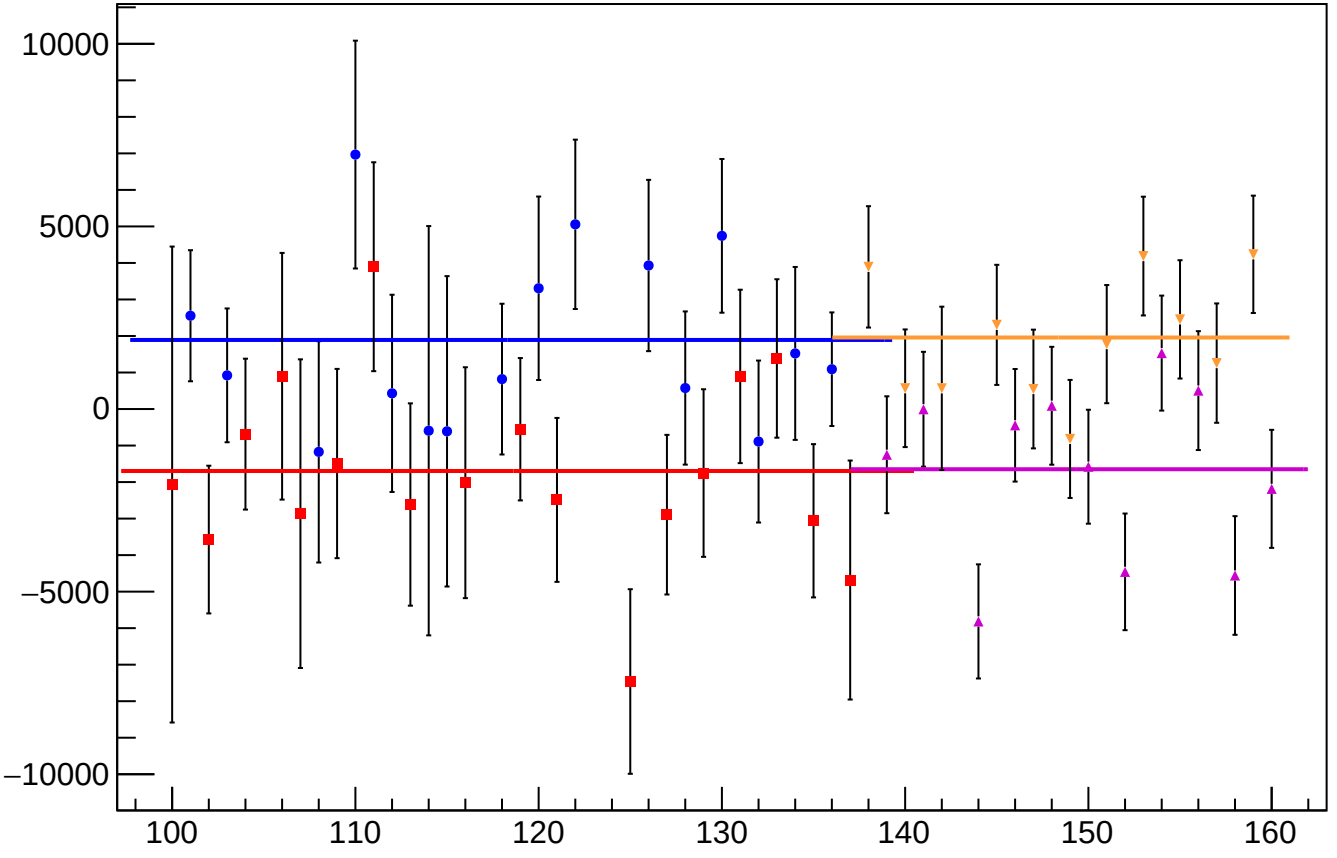
Left In: 1014.728+/-0.240 χ^2/NDF:965504.6/10

+ sign 782.053+/-0.152 χ^2/NDF: 5072469.5/26

All: 437.046+/-0.078 χ^2/NDF: 32180077.3/55

- 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: 1958.626+/-501.128 χ^2/NDF:10.4/10

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

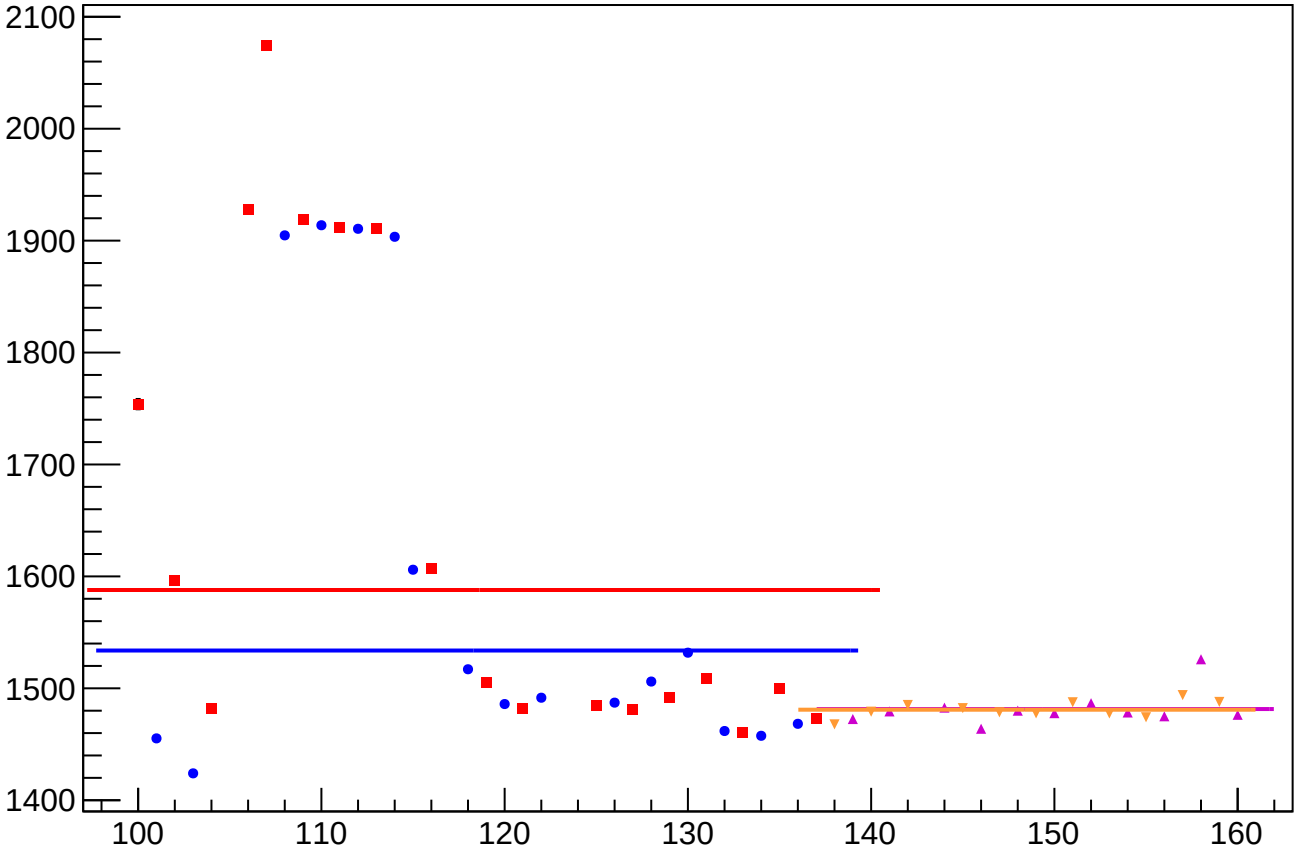
Left In: -1648.449+/-479.178 χ^2/NDF:22.3/10

+ sign 1929.518+/-377.002 χ^2/NDF: 22.6/26

All: 106.292+/-264.752 χ^2/NDF: 107.2/55

- 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: 1480.903+/-0.354 χ^2/NDF:389.1/10

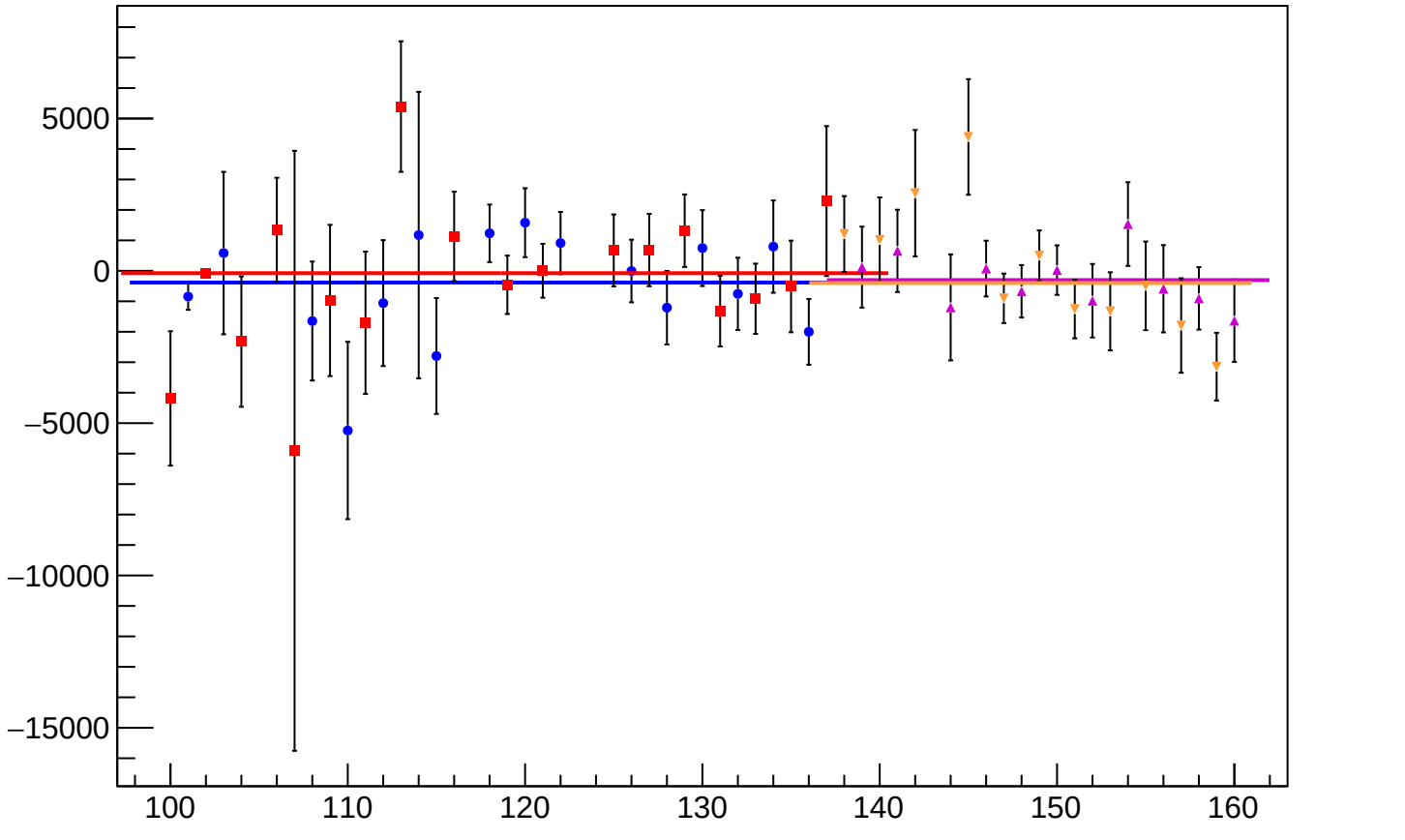
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.484+/-0.339 χ^2/NDF:1920.3/10

+ sign 1503.849+/-0.267 χ^2/NDF: 139322.1/26

All: 1513.953+/-0.187 χ^2/NDF: 357032.0/55

- 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: -399.802+/-352.728 χ^2/NDF:20.9/10

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

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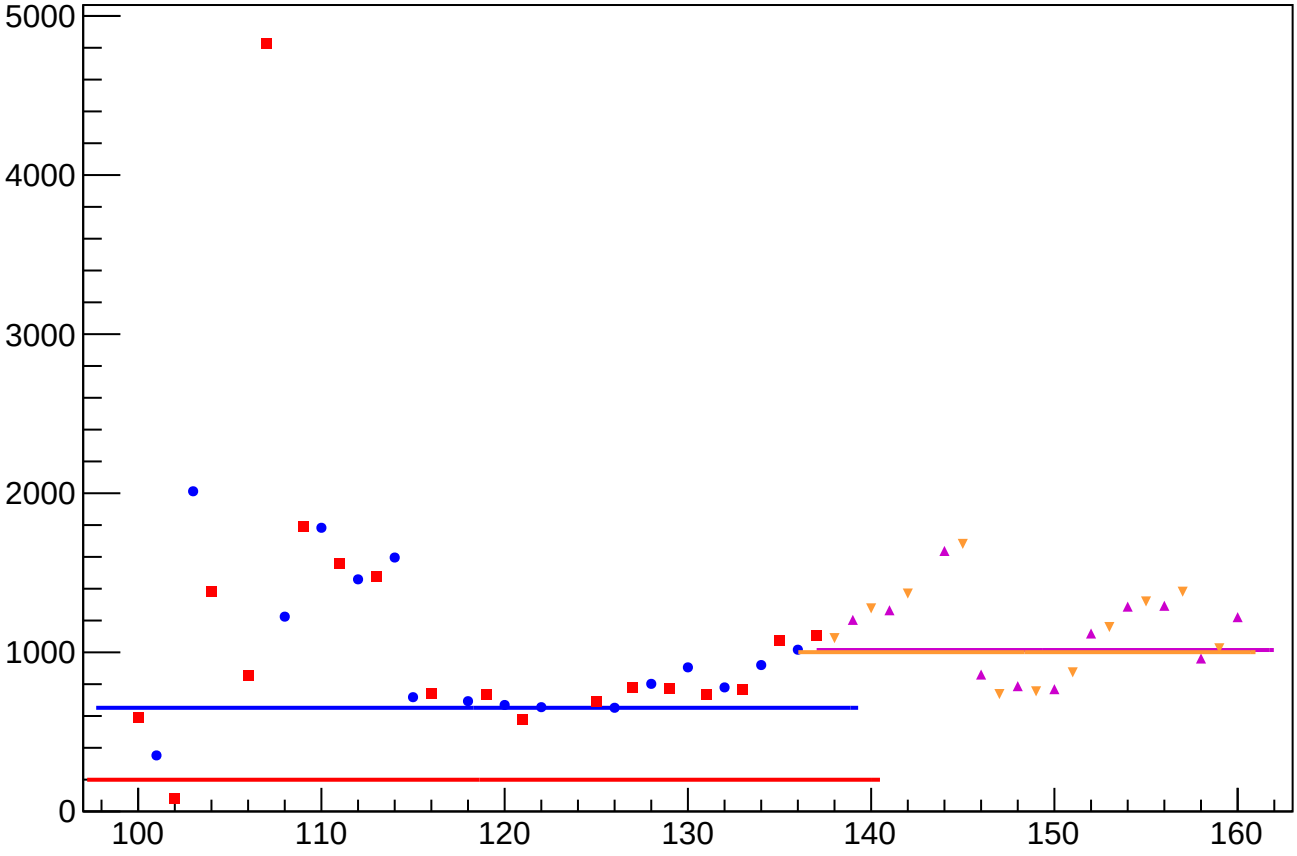
+ sign -389.122+/-215.499 χ^2/NDF: 39.1/26

All: -182.141+/-110.001 χ^2/NDF: 64.1/55

- 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: 1001.230+/-0.249 χ^2/NDF:1077680.9/10

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

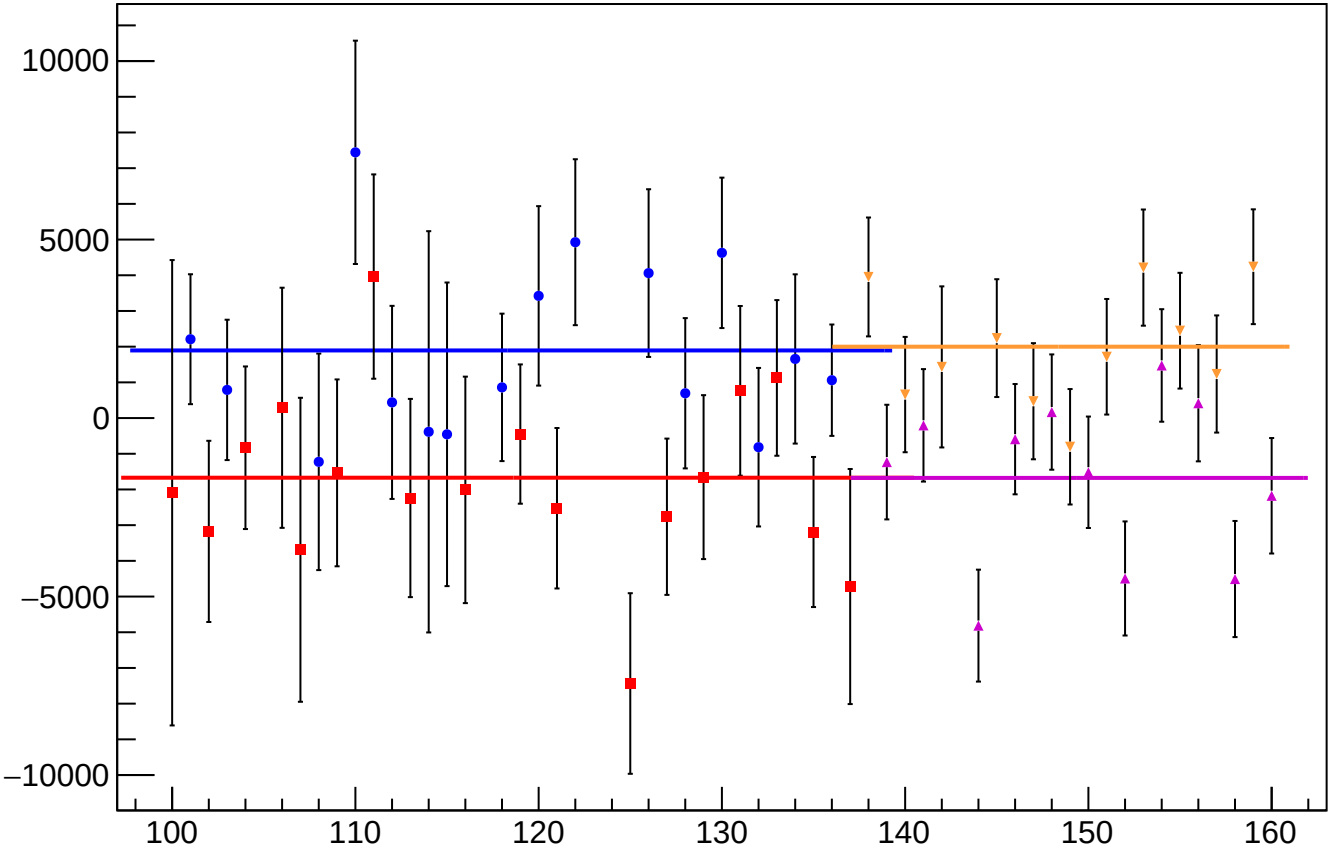
Left In: 1014.728+/-0.240 χ^2/NDF:965504.6/10

+ sign 782.053+/-0.152 χ^2/NDF: 5072469.5/26

All: 437.046+/-0.078 χ^2/NDF: 32180077.3/55

- 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: 1999.264+/-502.180 χ^2/NDF:10.2/10

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

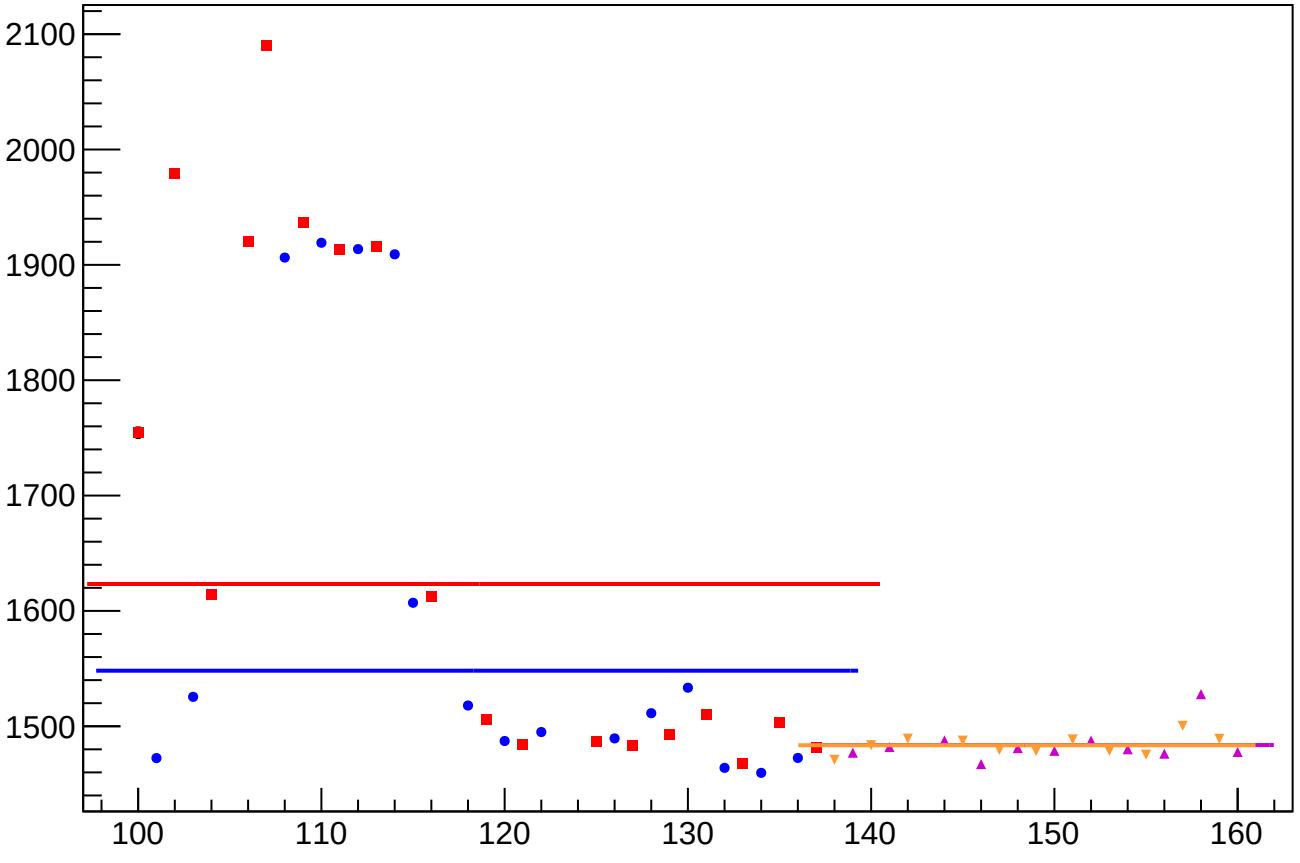
Left In: -1676.350+/-479.911 χ^2/NDF:21.6/10

+ sign 1954.025+/-378.983 χ^2/NDF: 22.5/26

All: 125.284+/-266.901 χ^2/NDF: 105.3/55

- 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: 1483.532+/-0.355 χ^2/NDF:493.7/10

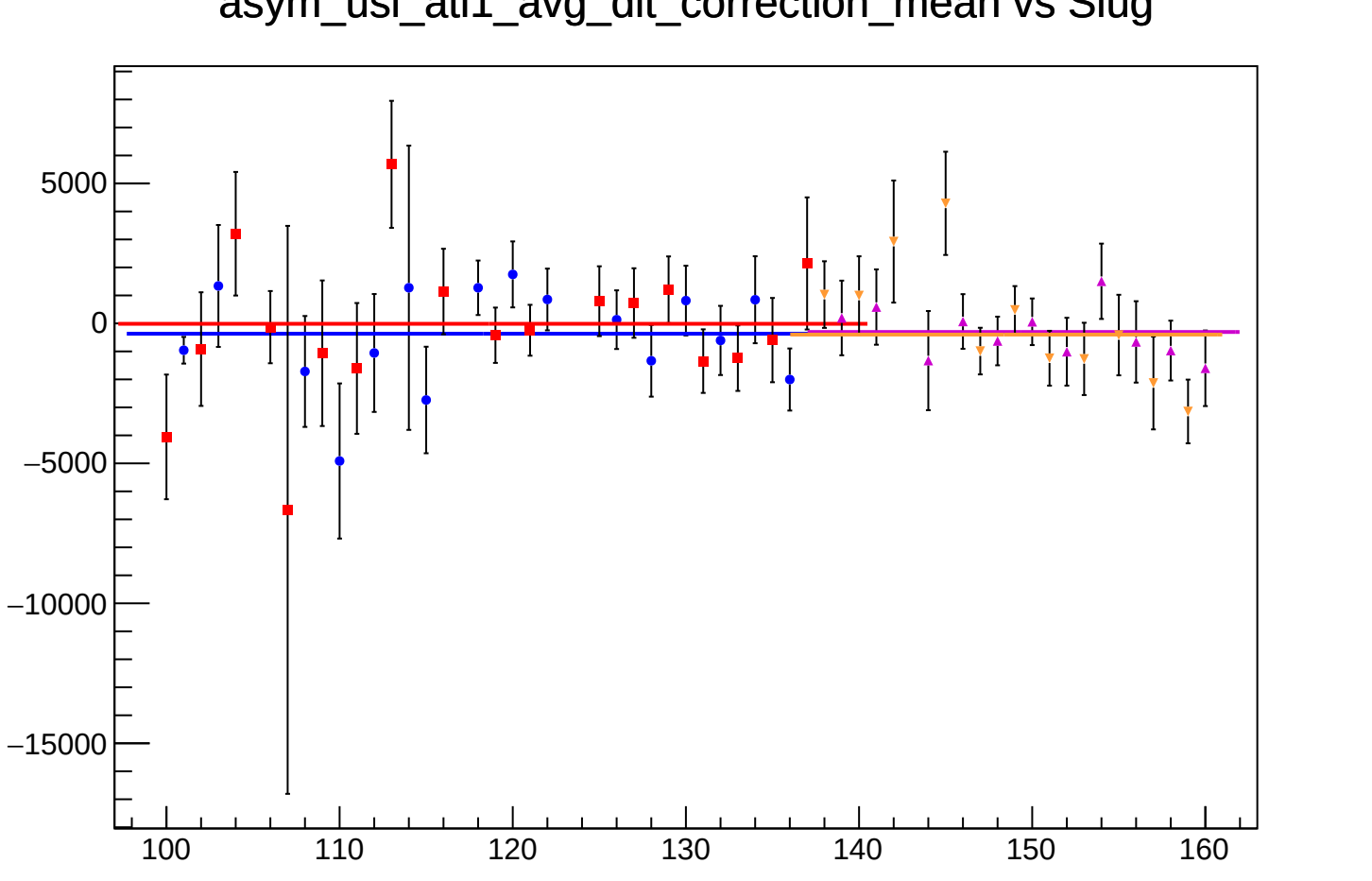
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1483.725+/-0.339 χ^2/NDF:1868.5/10

+ sign 1511.358+/-0.268 χ^2/NDF: 134664.2/26

All: 1524.615+/-0.189 χ^2/NDF: 418308.3/55

- sign 1537.660+/-0.266 χ^2/NDF: 278788.8/28



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -398.587+/-357.991 χ^2/NDF:20.9/10

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

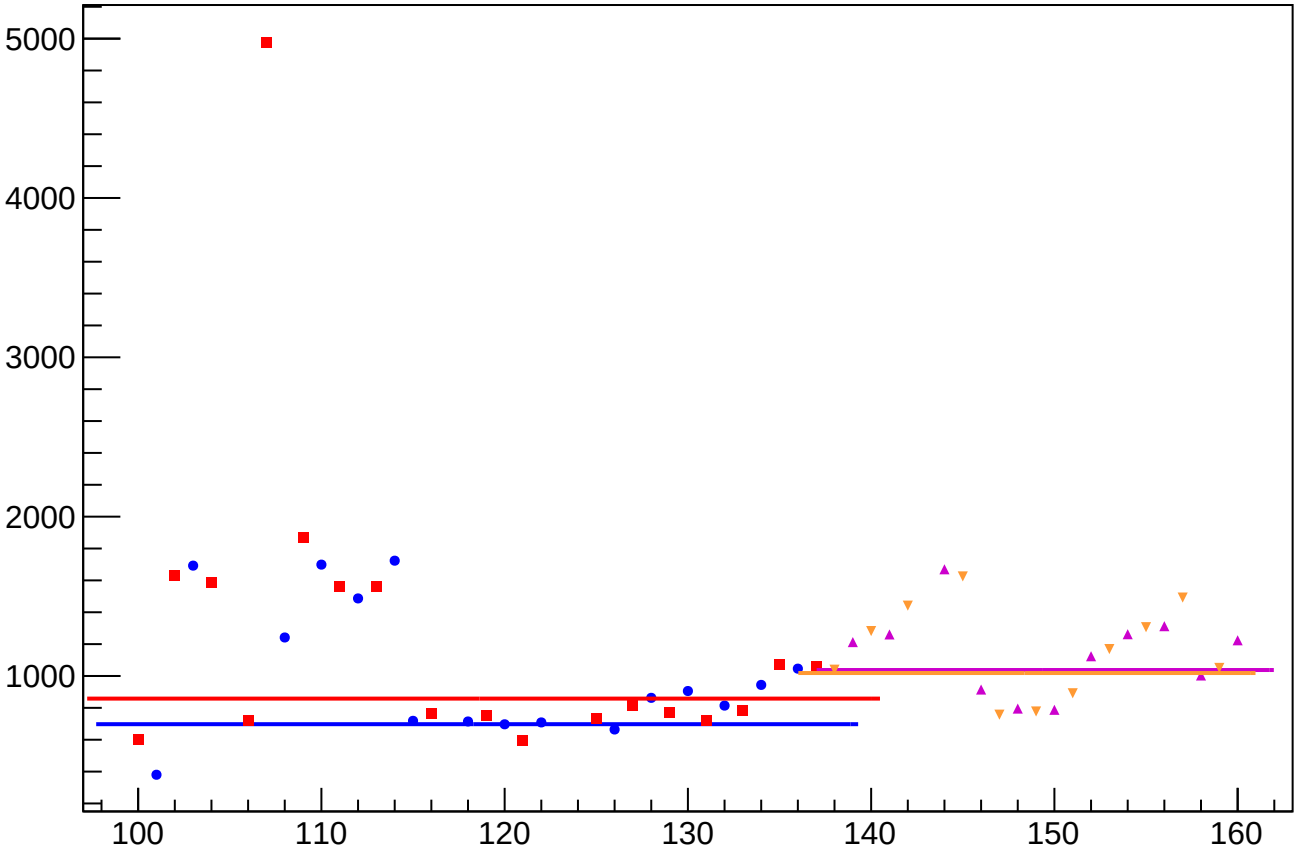
Left In: -306.021+/-345.424 χ^2/NDF:4.9/10

+ sign -380.378+/-223.723 χ^2/NDF: 39.8/26

All: -278.410+/-164.551 χ^2/NDF: 64.6/55

- 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: 1018.595+/-0.253 χ^2/NDF:1025722.8/10

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

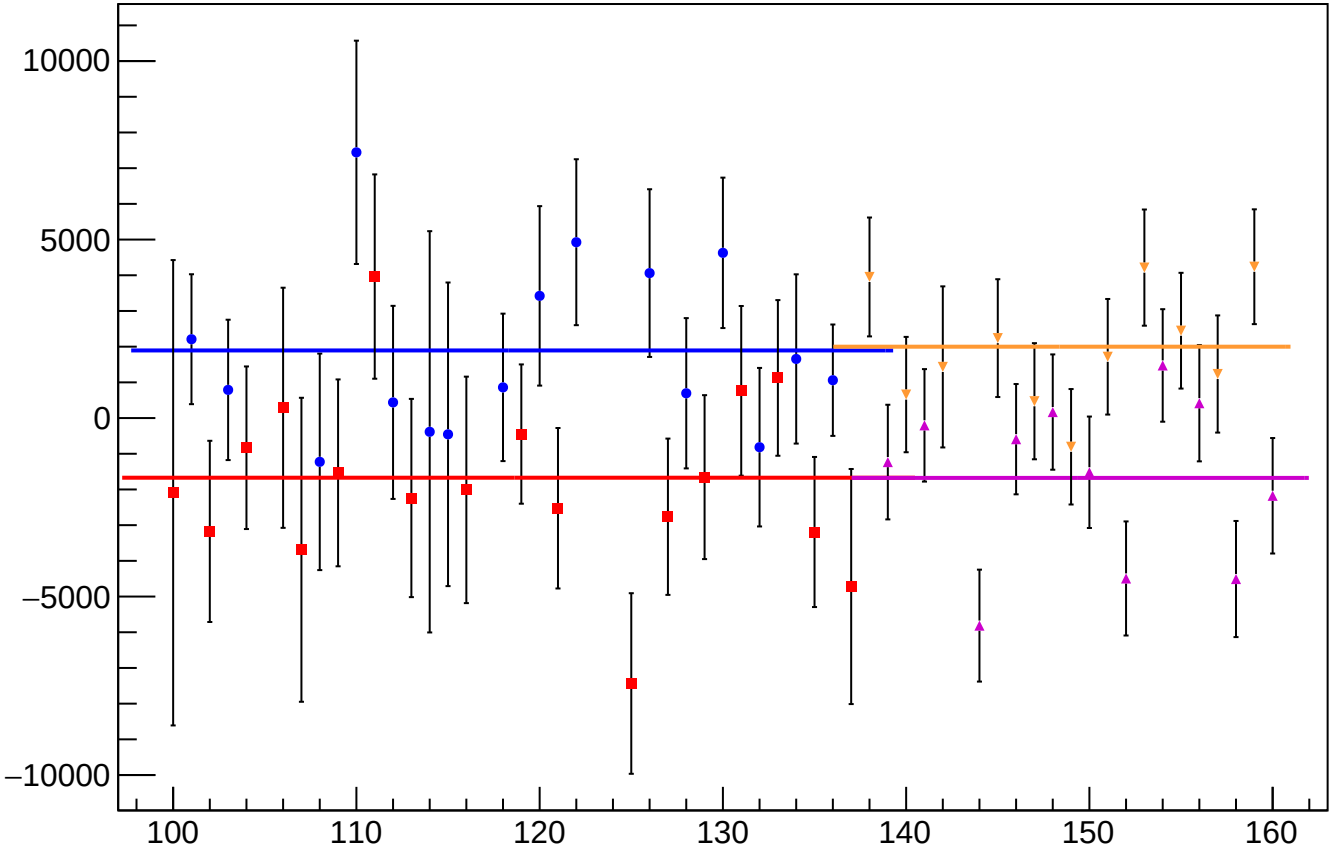
Left In: 1037.476+/-0.244 χ^2/NDF:888699.2/10

+ sign 822.914+/-0.158 χ^2/NDF: 4441824.4/26

All: 879.770+/-0.116 χ^2/NDF: 7766801.1/55

- 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: 1999.262+/-502.180 χ^2/NDF:10.2/10

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

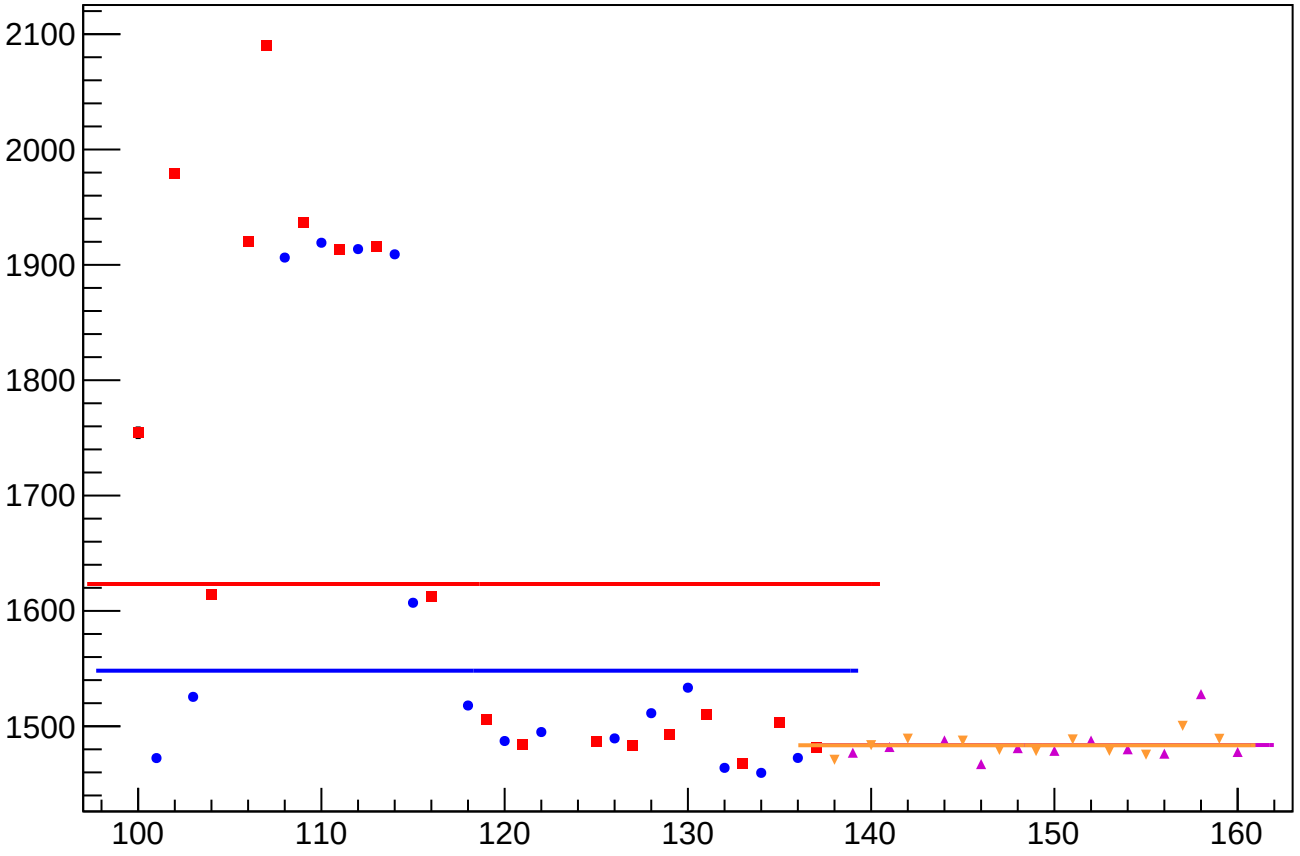
Left In: -1676.352+/-479.911 χ^2/NDF:21.6/10

+ sign 1954.023+/-378.983 χ^2/NDF: 22.5/26

All: 125.283+/-266.901 χ^2/NDF: 105.3/55

- 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: 1483.532+/-0.355 χ^2/NDF:493.7/10

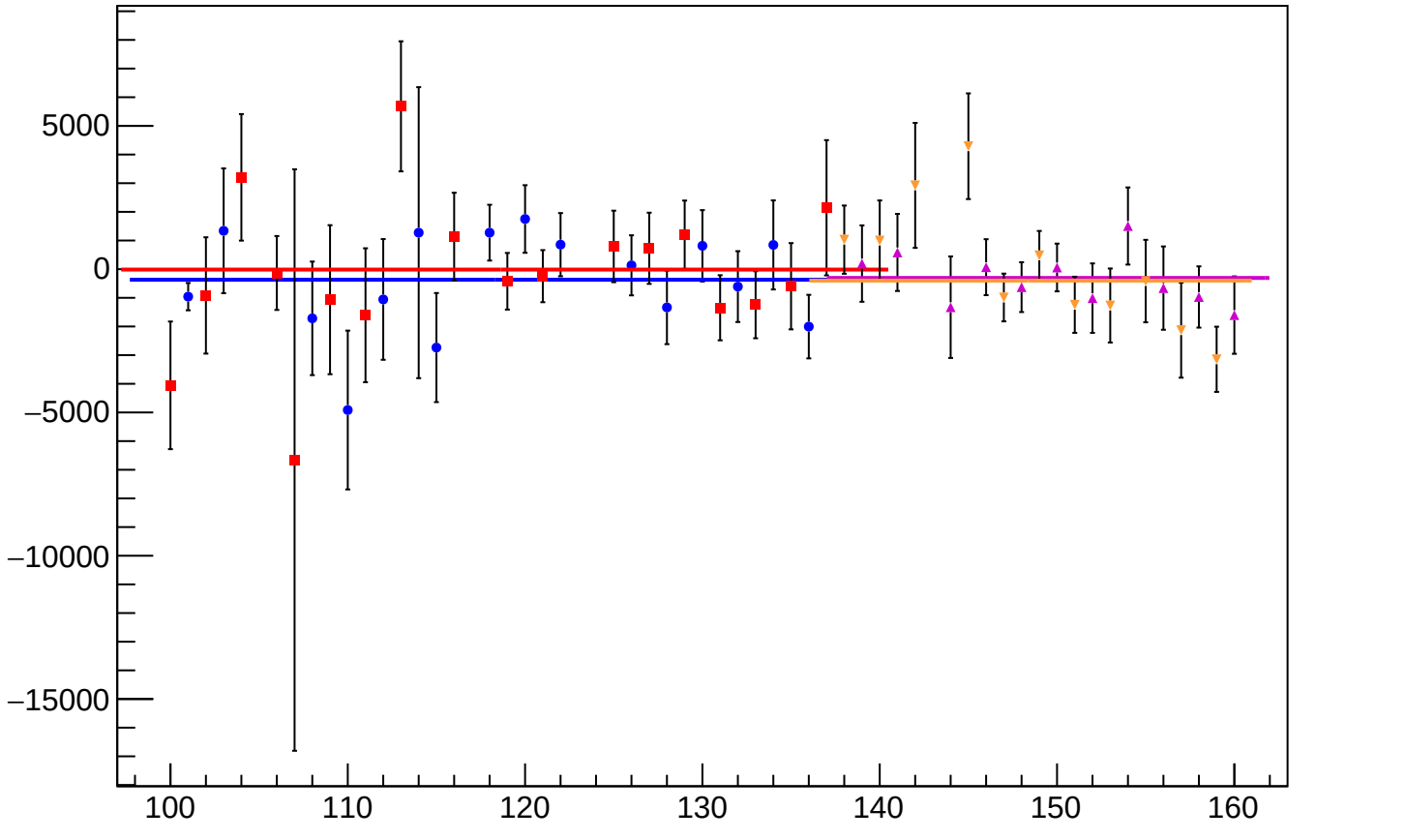
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1483.725+/-0.339 χ^2/NDF:1868.5/10

+ sign 1511.358+/-0.268 χ^2/NDF: 134664.2/26

All: 1524.615+/-0.189 χ^2/NDF: 418307.8/55

- 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: -398.591+/-357.991 χ^2/NDF:20.9/10

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

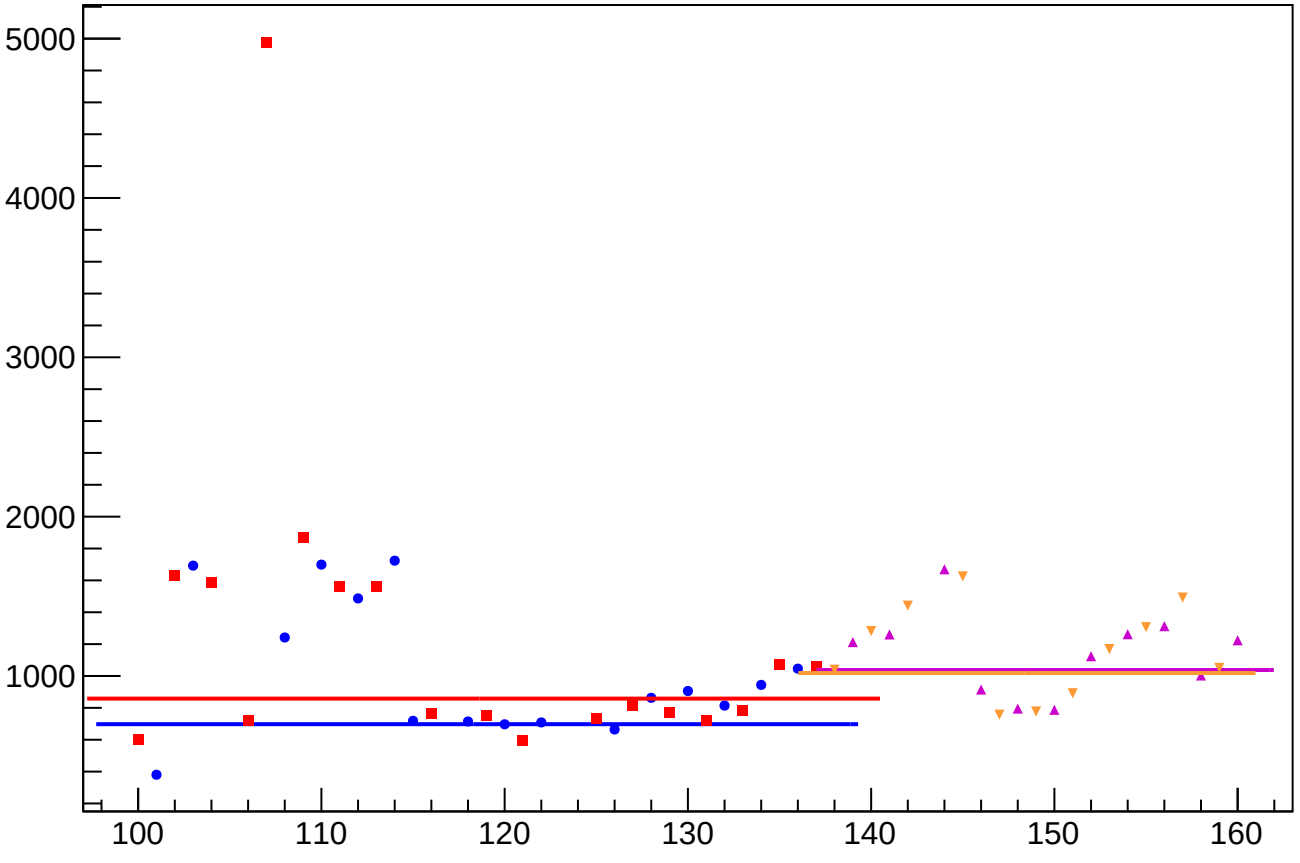
Left In: -306.022+/-345.424 χ^2/NDF:4.9/10

+ sign -380.378+/-223.723 χ^2/NDF: 39.8/26

All: -278.411+/-164.551 χ^2/NDF: 64.6/55

- 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: 1018.597+/-0.253 χ^2/NDF:1025720.5/10

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

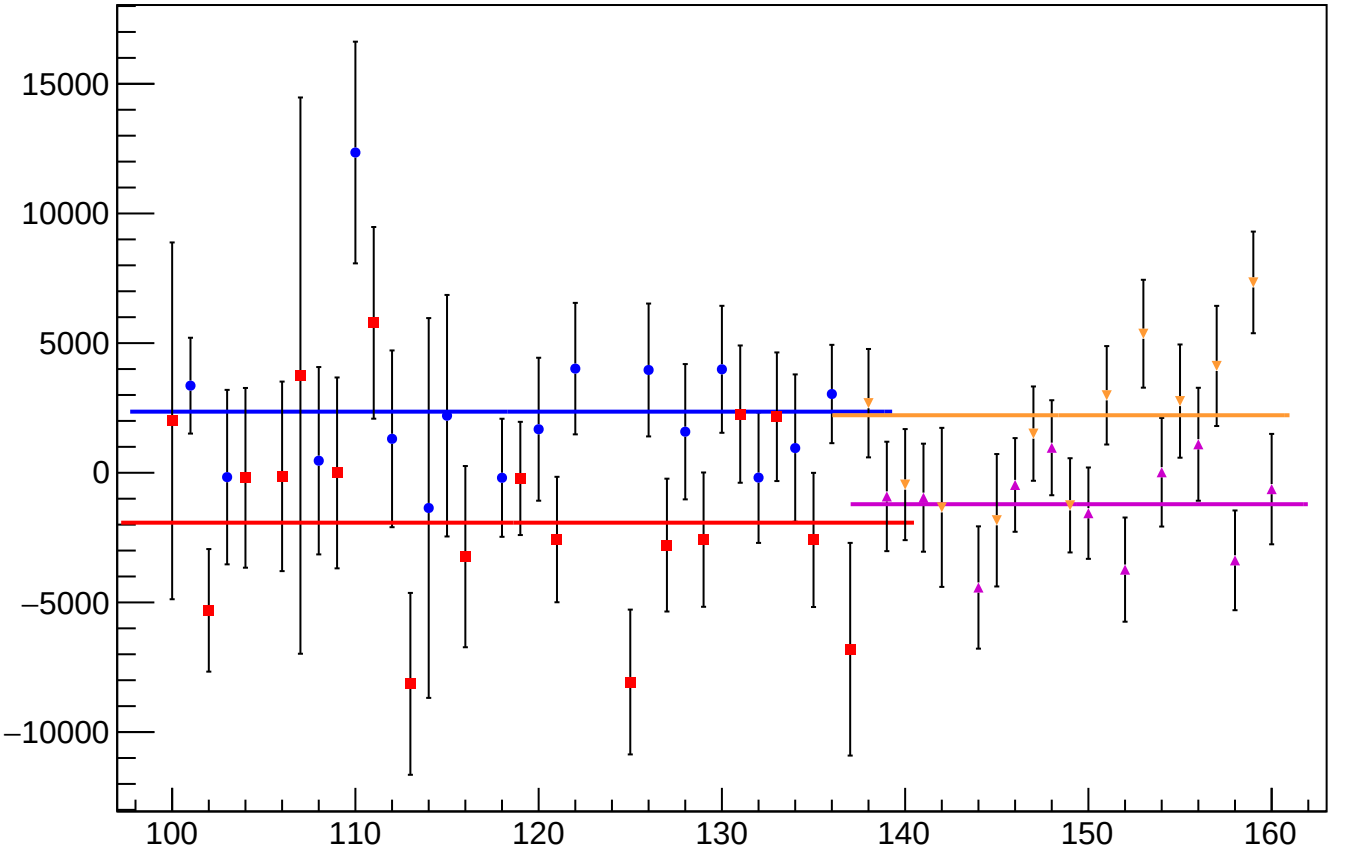
Left In: 1037.477+/-0.244 χ^2/NDF:888696.0/10

+ sign 822.914+/-0.158 χ^2/NDF: 4441823.4/26

All: 879.770+/-0.116 χ^2/NDF: 7766813.9/55

- 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: 2218.531+/-635.416 χ^2/NDF:19.3/10

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

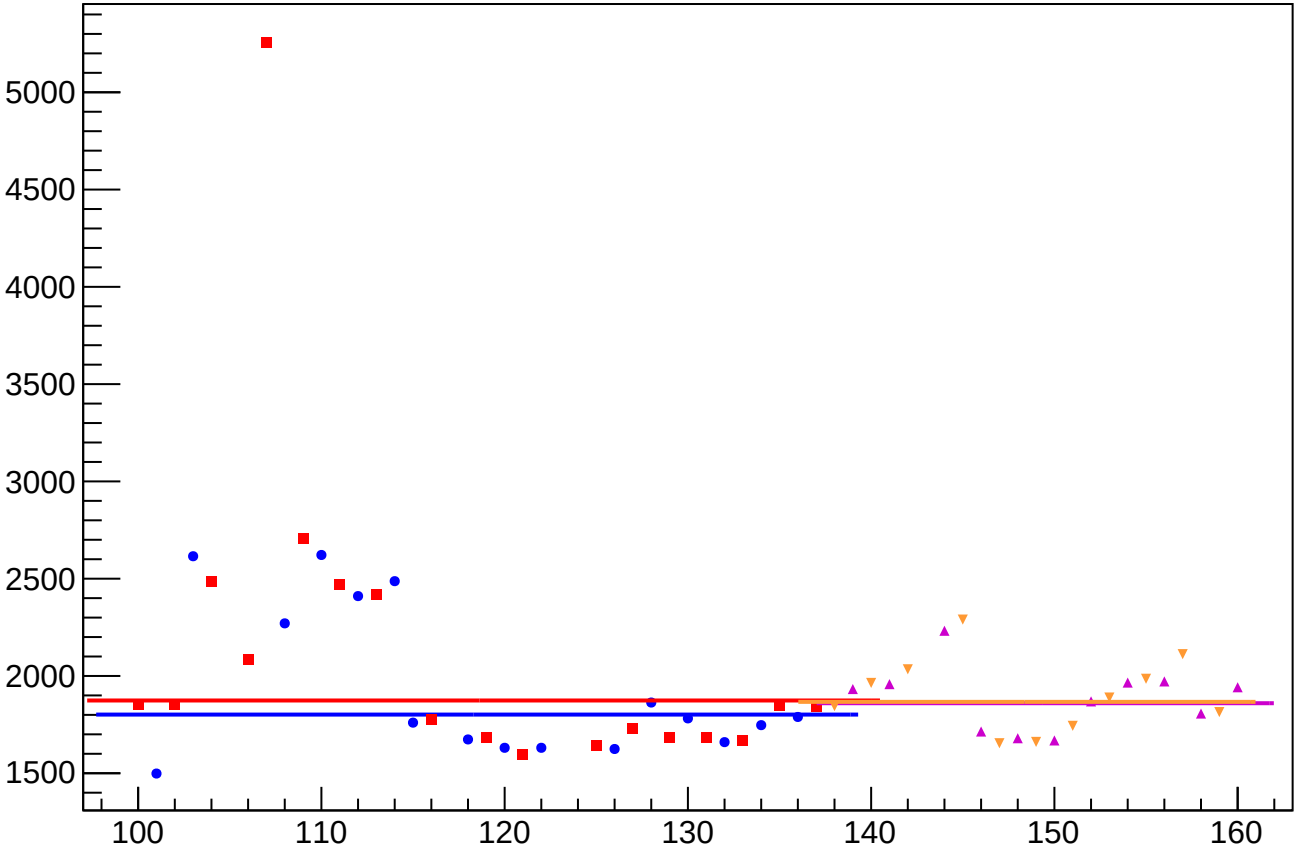
Left In: -1212.379+/-604.245 χ^2/NDF:7.9/10

+ sign 2283.184+/-463.932 χ^2/NDF: 30.3/26

All: 365.890+/-326.395 χ^2/NDF: 96.1/55

- 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: 1866.907+/-0.449 χ^2/NDF:156558.3/10

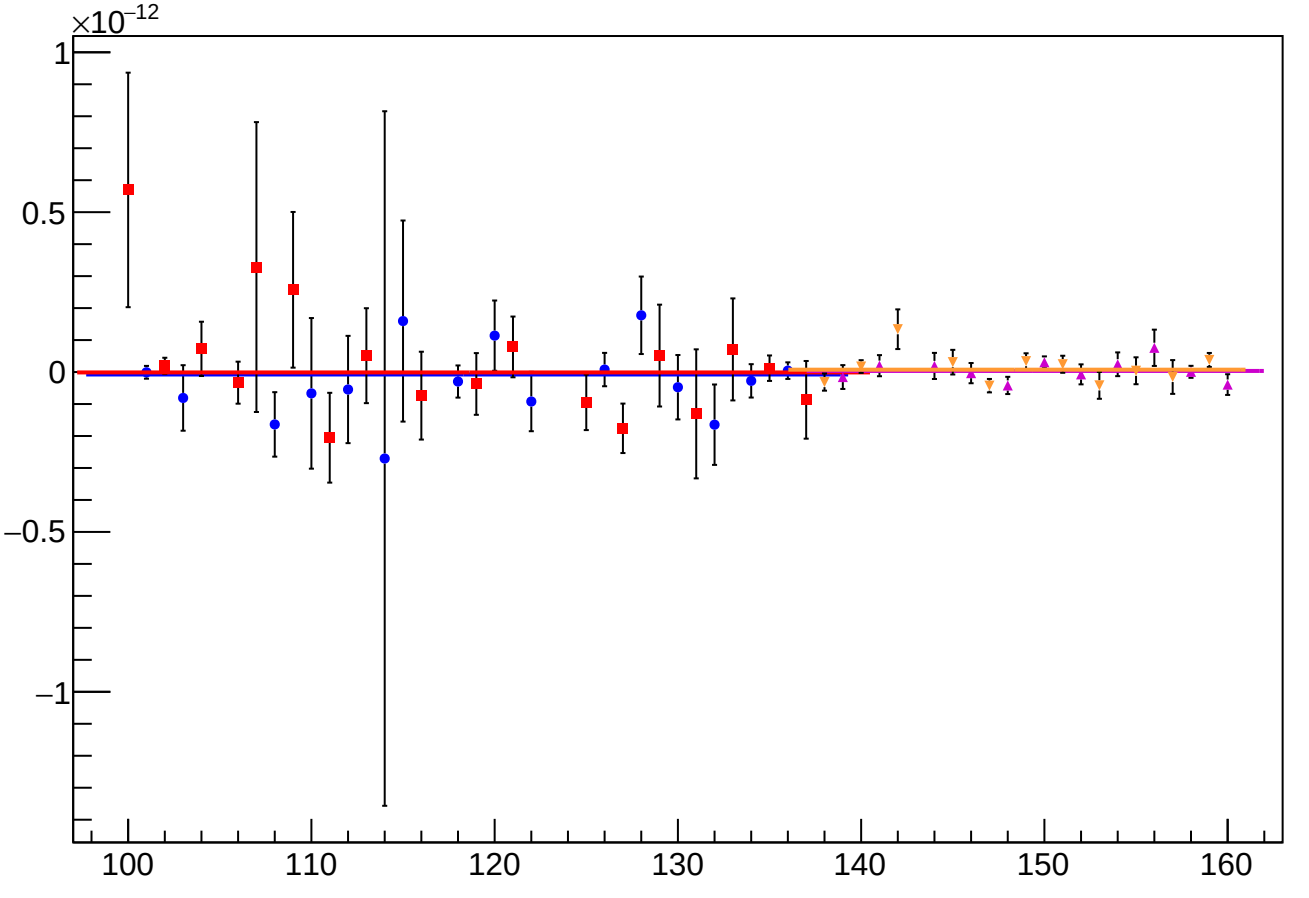
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1859.922+/-0.427 χ^2/NDF:127511.4/10

+ sign 1836.381+/-0.328 χ^2/NDF: 567146.8/26

All: 1851.267+/-0.231 χ^2/NDF: 1269101.4/55

- sign 1865.856+/-0.325 χ^2/NDF: 697877.3/28



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/10

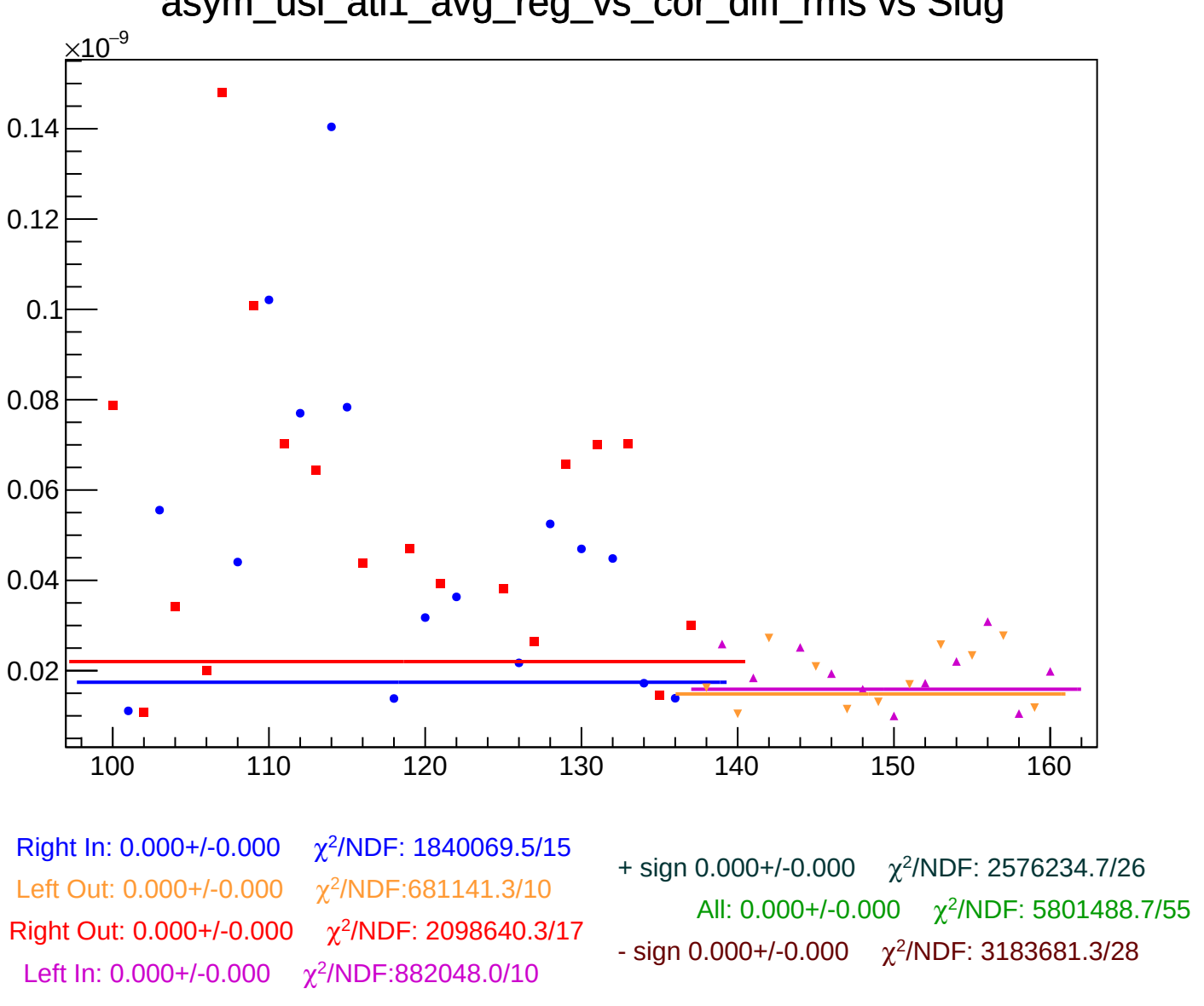
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:9.5/10

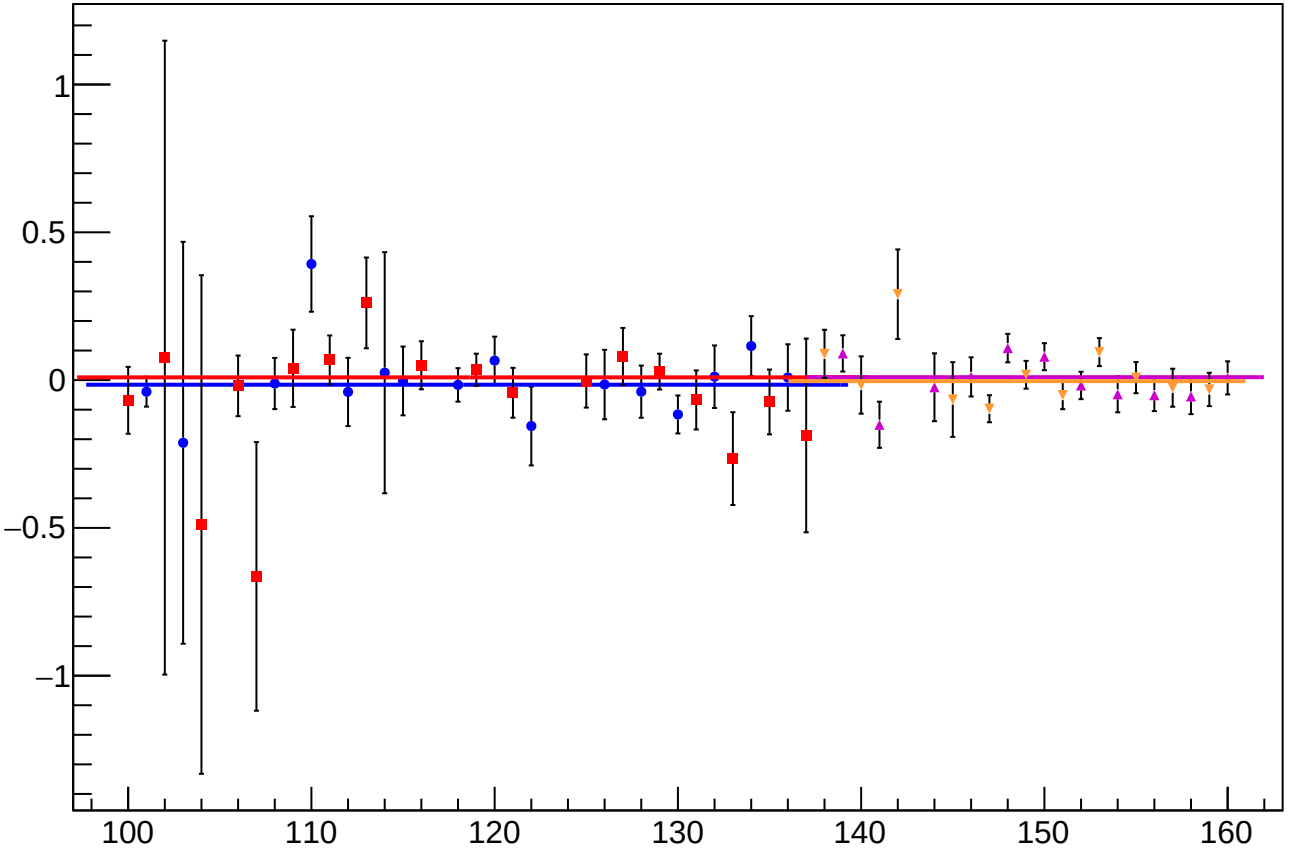
+ sign 0.000+/-0.000 χ^2/NDF: 28.8/26

All: 0.000+/-0.000 χ^2/NDF: 55.0/55

- 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:681141.3/10
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: 2576234.7/26
All: 0.000+/-0.000 χ²/NDF: 5801488.7/55
- sign 0.000+/-0.000 χ²/NDF: 3183681.3/28

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:15.4/10

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

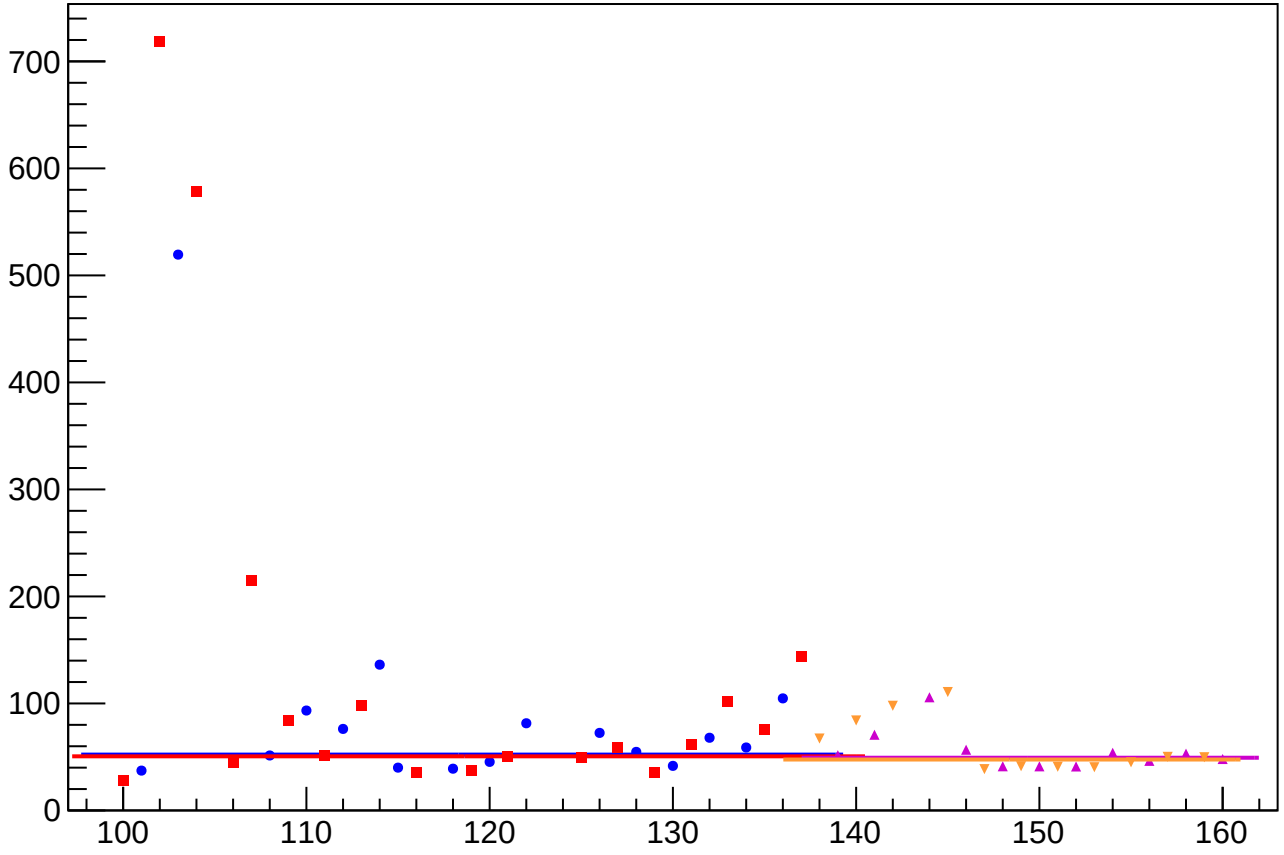
Left In: 0.010+/-0.017 χ^2/NDF:16.3/10

+ sign -0.008+/-0.014 χ^2/NDF: 28.7/26

All: 0.001+/-0.010 χ^2/NDF: 58.3/55

- 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: 47.591+/-0.013 χ^2/NDF:1326752.6/10

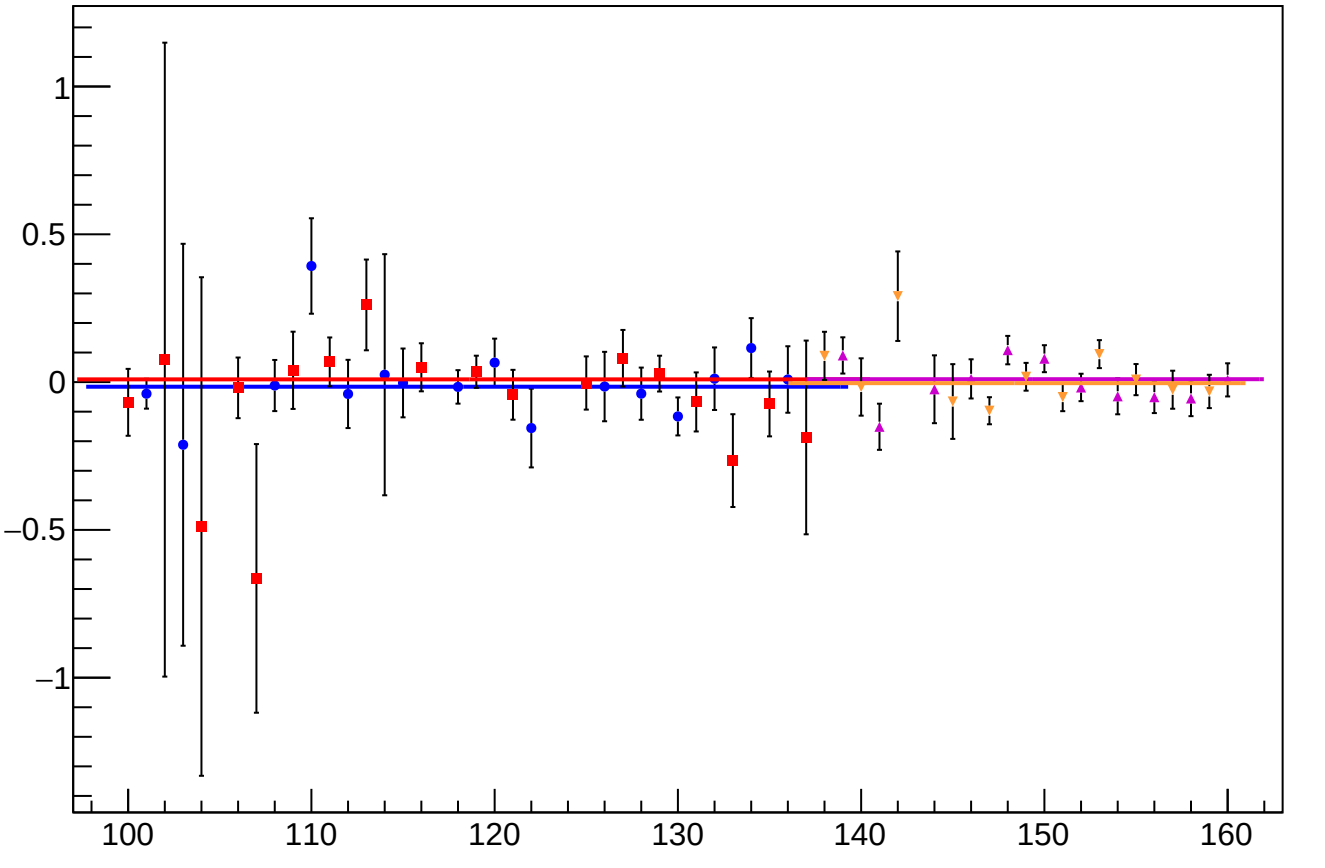
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.270+/-0.012 χ^2/NDF:869943.0/10

+ sign 49.370+/-0.010 χ^2/NDF: 3644291.3/26

All: 49.551+/-0.007 χ^2/NDF: 7570287.2/55

- 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: -0.004+/-0.018 χ^2/NDF:15.4/10

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

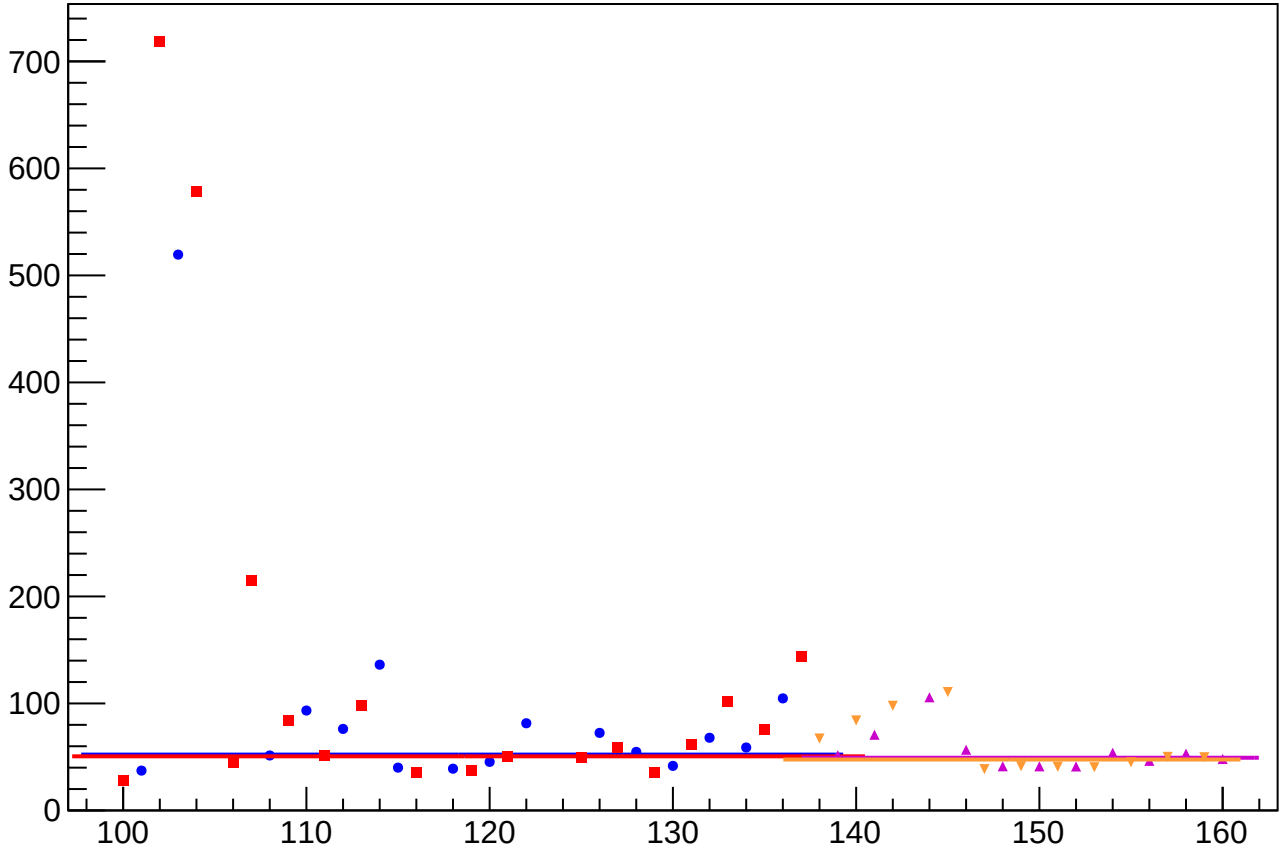
Left In: 0.010+/-0.017 χ^2/NDF:16.3/10

+ sign -0.008+/-0.014 χ^2/NDF: 28.7/26

All: 0.001+/-0.010 χ^2/NDF: 58.3/55

- 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: 47.591+/-0.013 χ^2/NDF:1326752.6/10

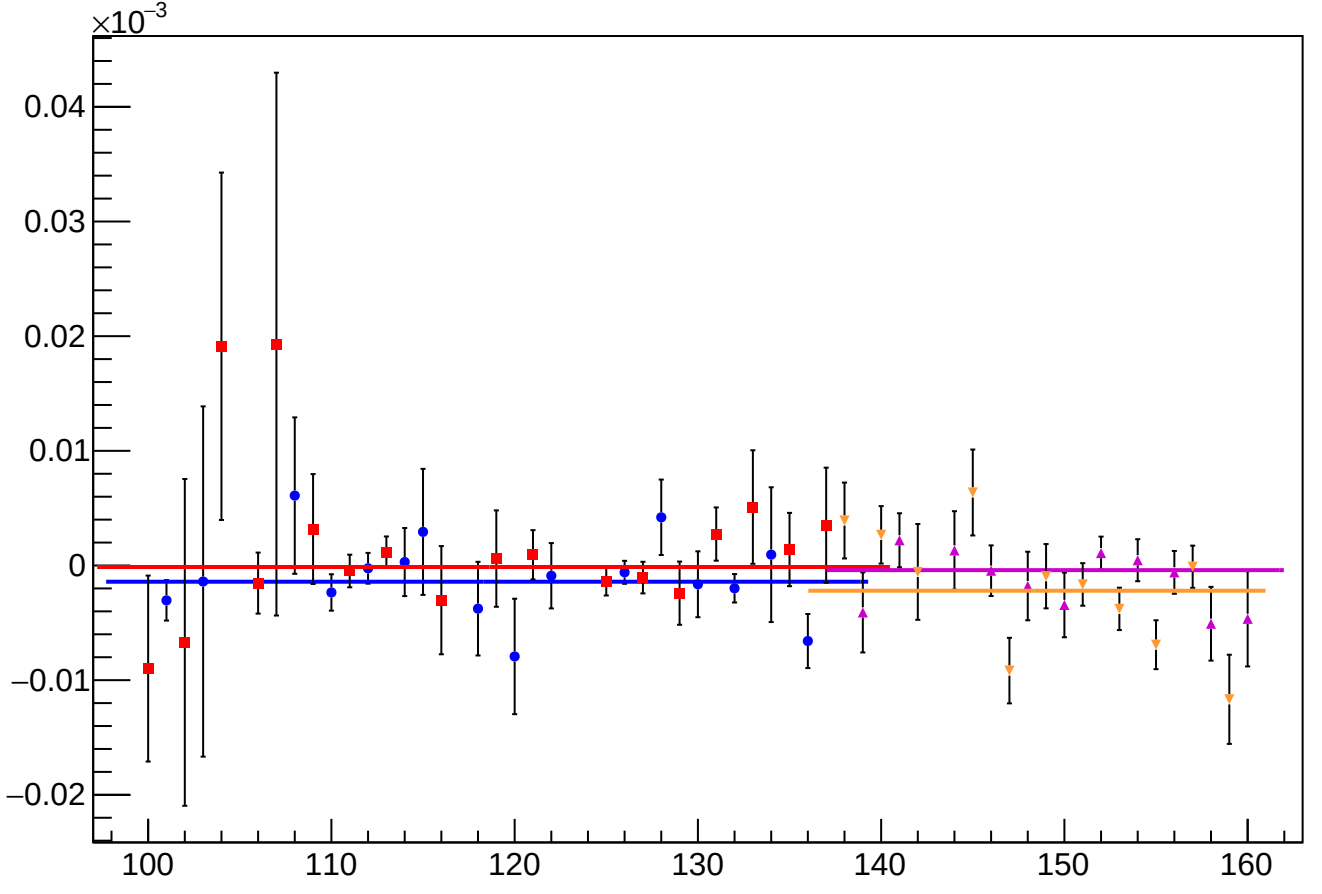
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.270+/-0.012 χ^2/NDF:869943.0/10

\+ sign 49.370+/-0.010 χ^2/NDF: 3644291.3/26

All: 49.551+/-0.007 χ^2/NDF: 7570287.2/55

\- 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:31.7/10

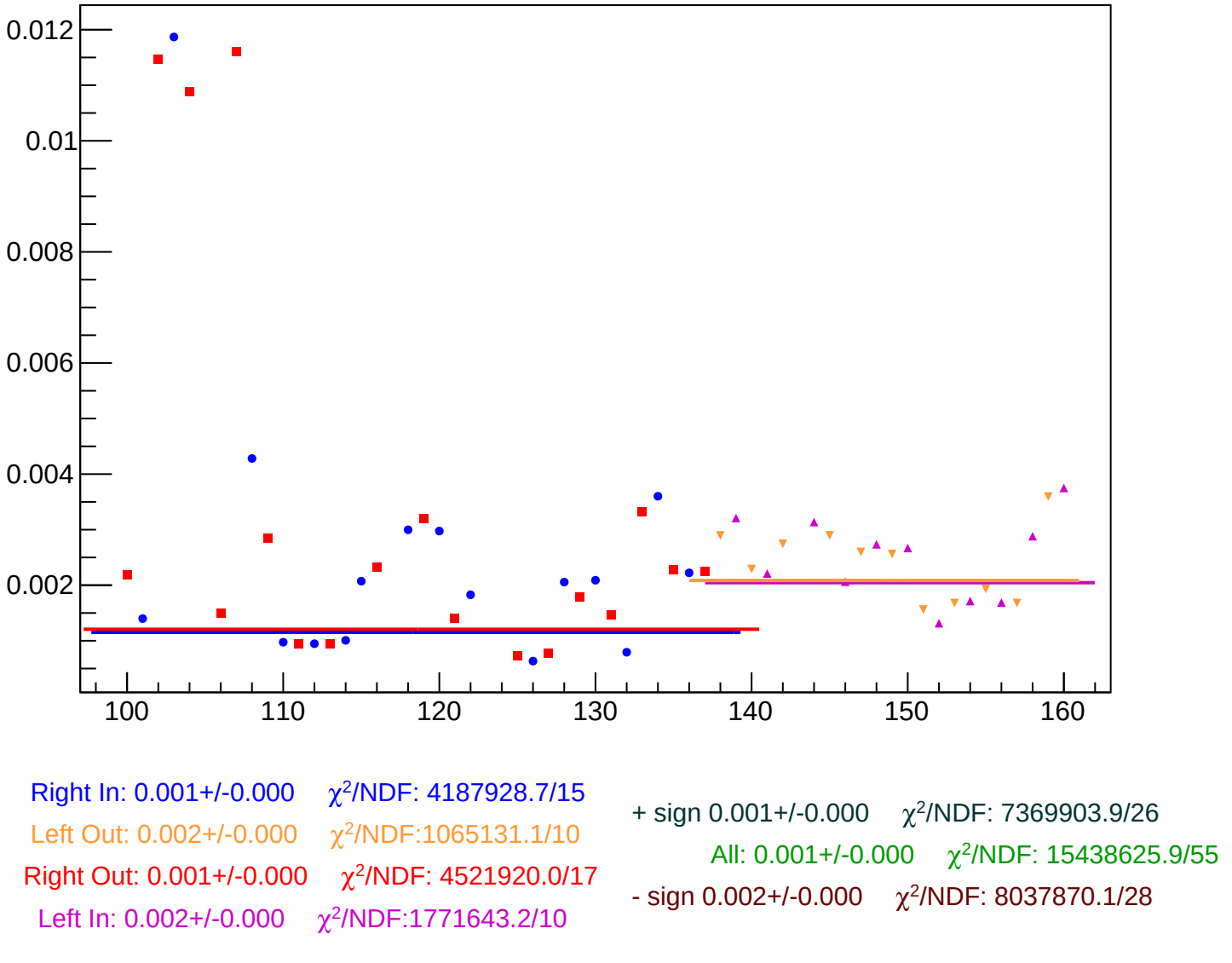
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

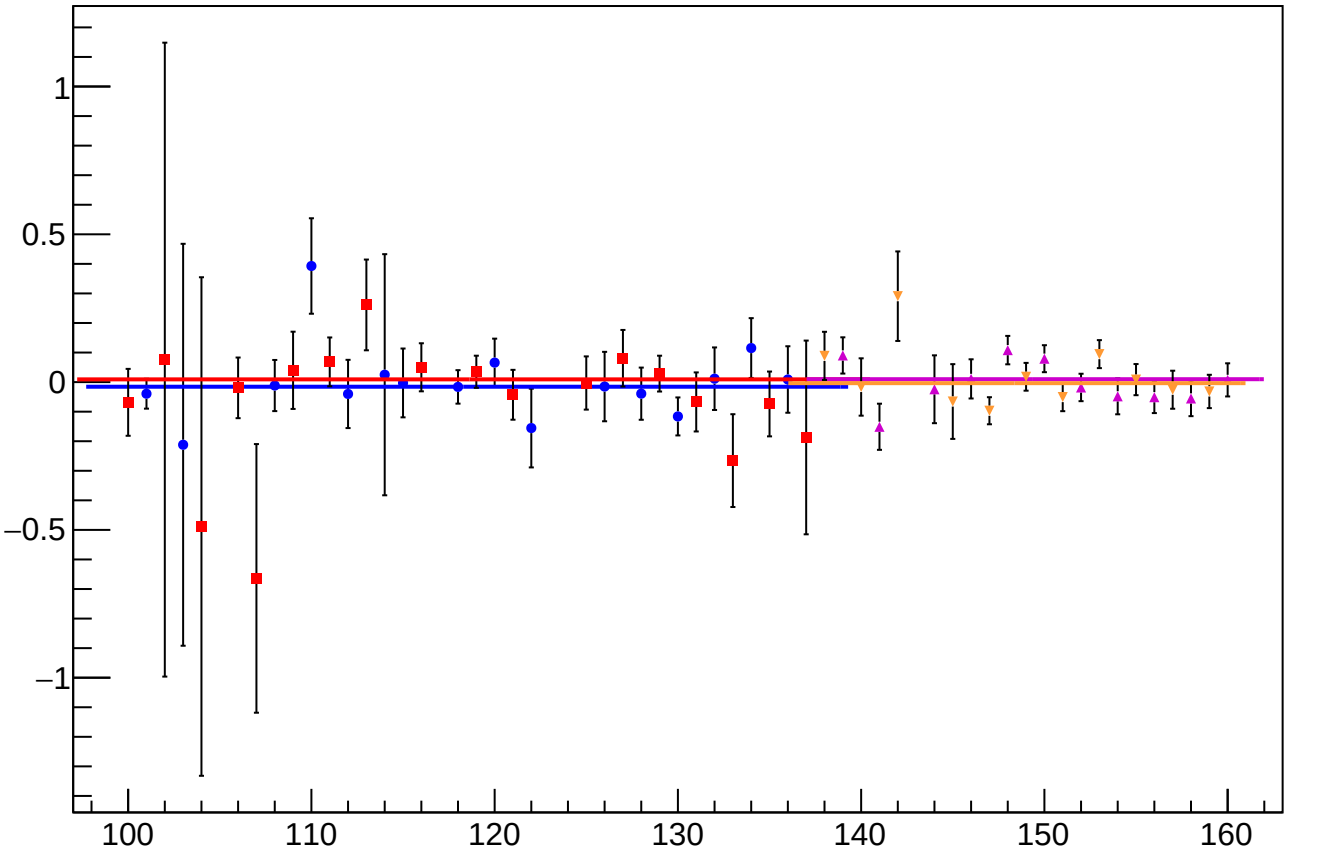
Left In: -0.000+/-0.000 χ^2/NDF:8.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 47.4/26

All: -0.000+/-0.000 χ^2/NDF: 73.0/55

- 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:1065131.1/10
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: 7369903.9/26
All: 0.001+/-0.000 χ²/NDF: 15438625.9/55
- sign 0.002+/-0.000 χ²/NDF: 8037870.1/28



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.004+/-0.018 χ^2/NDF:15.4/10

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

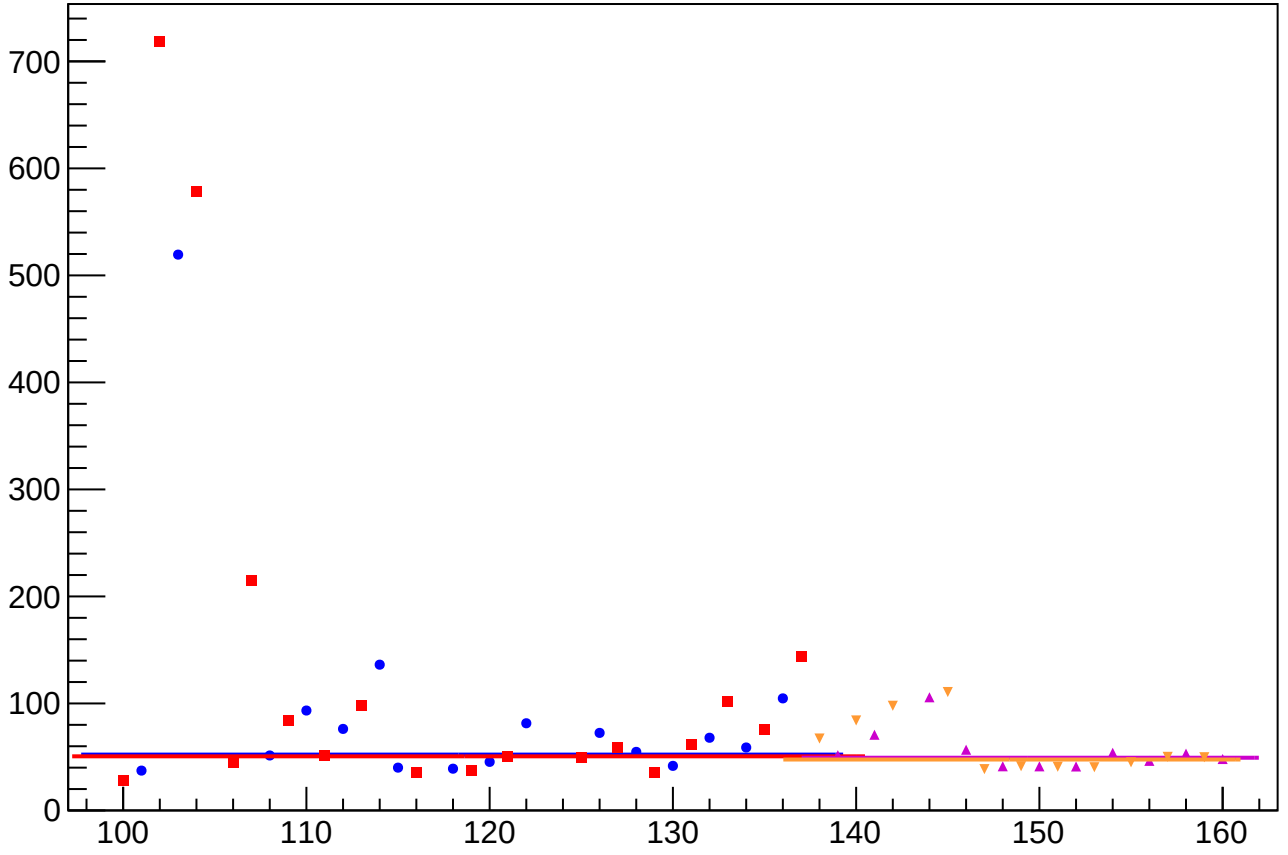
Left In: 0.010+/-0.017 χ^2/NDF:16.3/10

+ sign -0.008+/-0.014 χ^2/NDF: 28.7/26

All: 0.001+/-0.010 χ^2/NDF: 58.3/55

- sign 0.010+/-0.014 χ^2/NDF: 28.8/28

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.592+/-0.013 χ^2/NDF:1326732.4/10

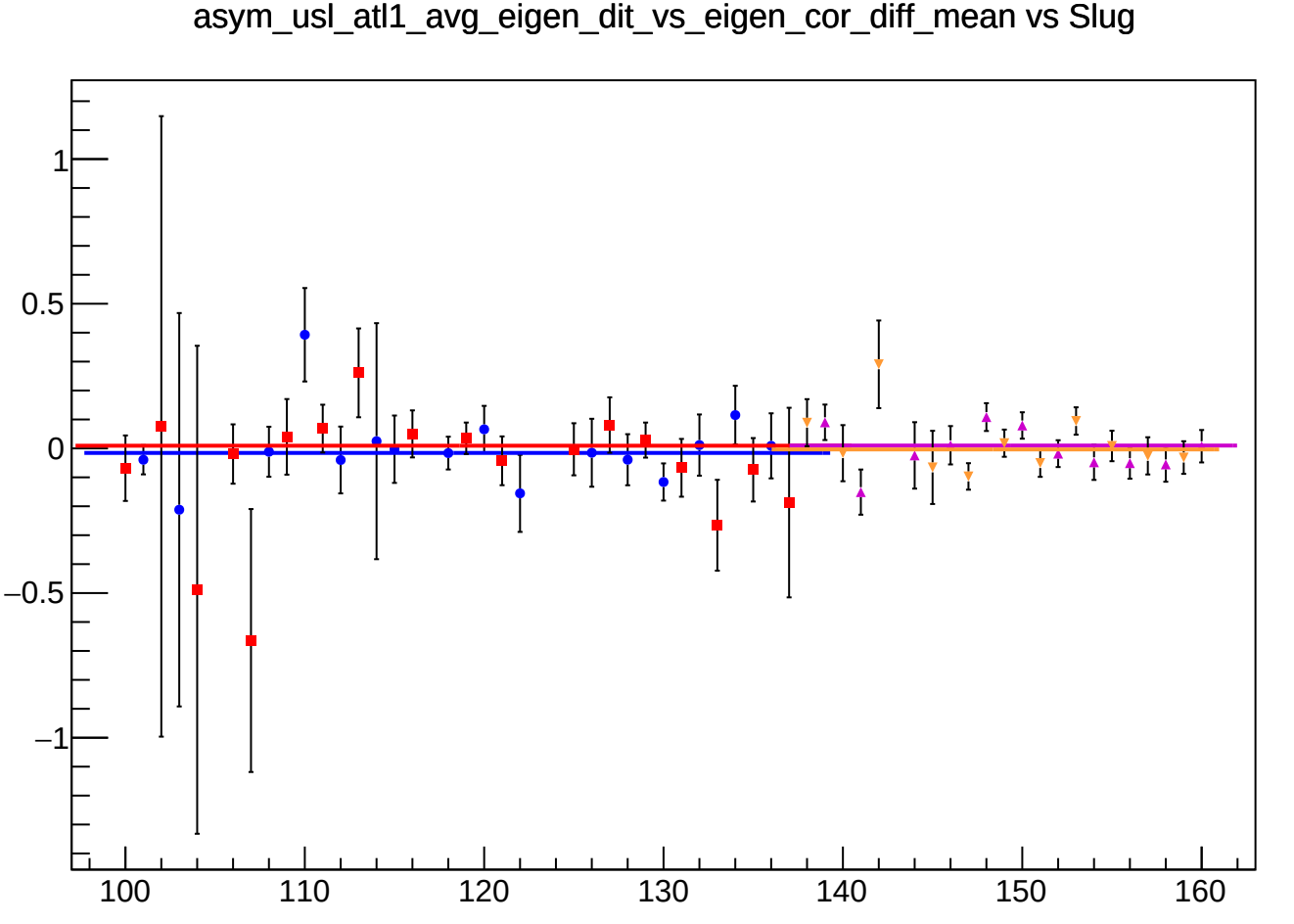
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.271+/-0.012 χ^2/NDF:869934.2/10

\+ sign 49.370+/-0.010 χ^2/NDF: 3644259.6/26

All: 49.551+/-0.007 χ^2/NDF: 7570228.5/55

\- 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: -0.004+/-0.018 χ^2/NDF:15.4/10

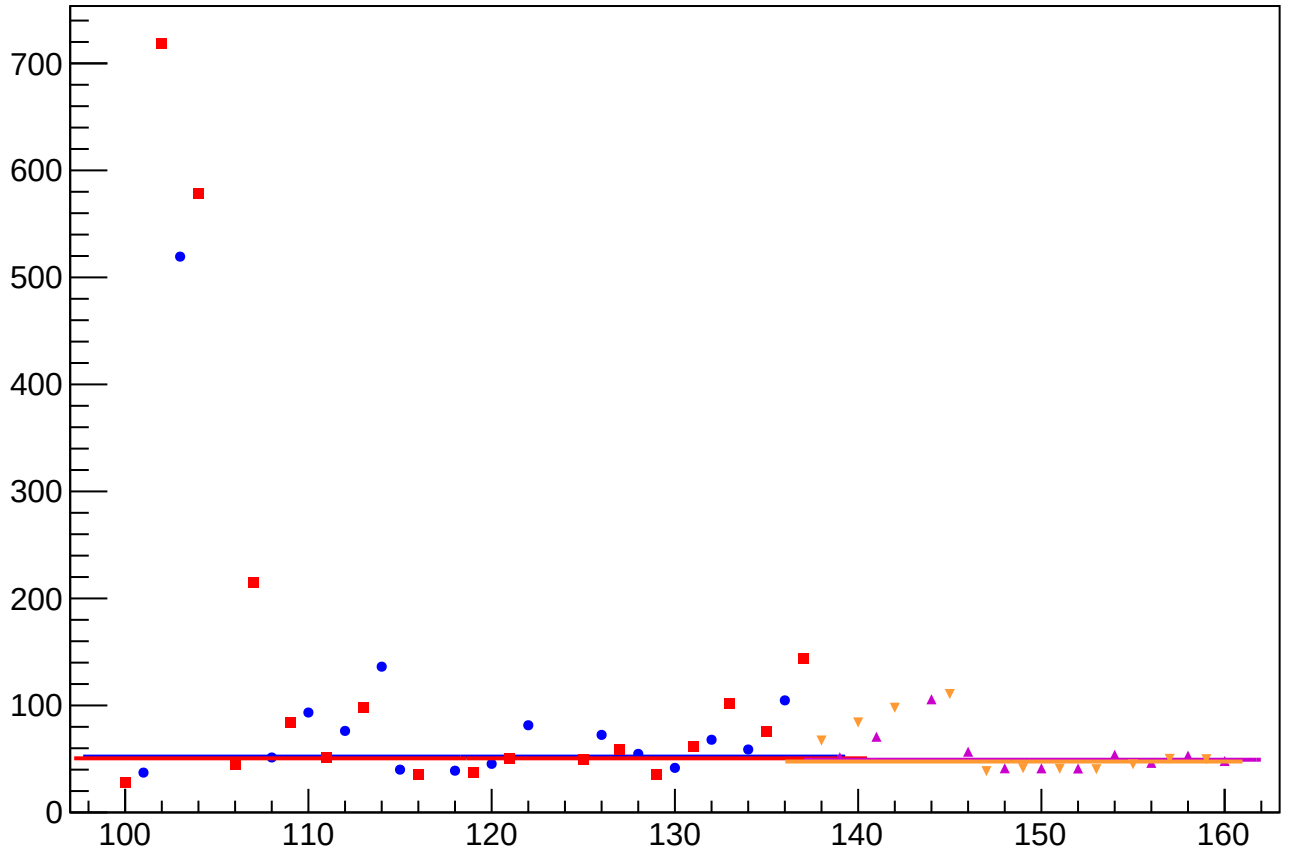
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.010+/-0.017 χ^2/NDF:16.3/10

+ sign -0.008+/-0.014 χ^2/NDF: 28.7/26

All: 0.001+/-0.010 χ^2/NDF: 58.3/55

- 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: 47.592+/-0.013 χ^2/NDF:1326732.4/10

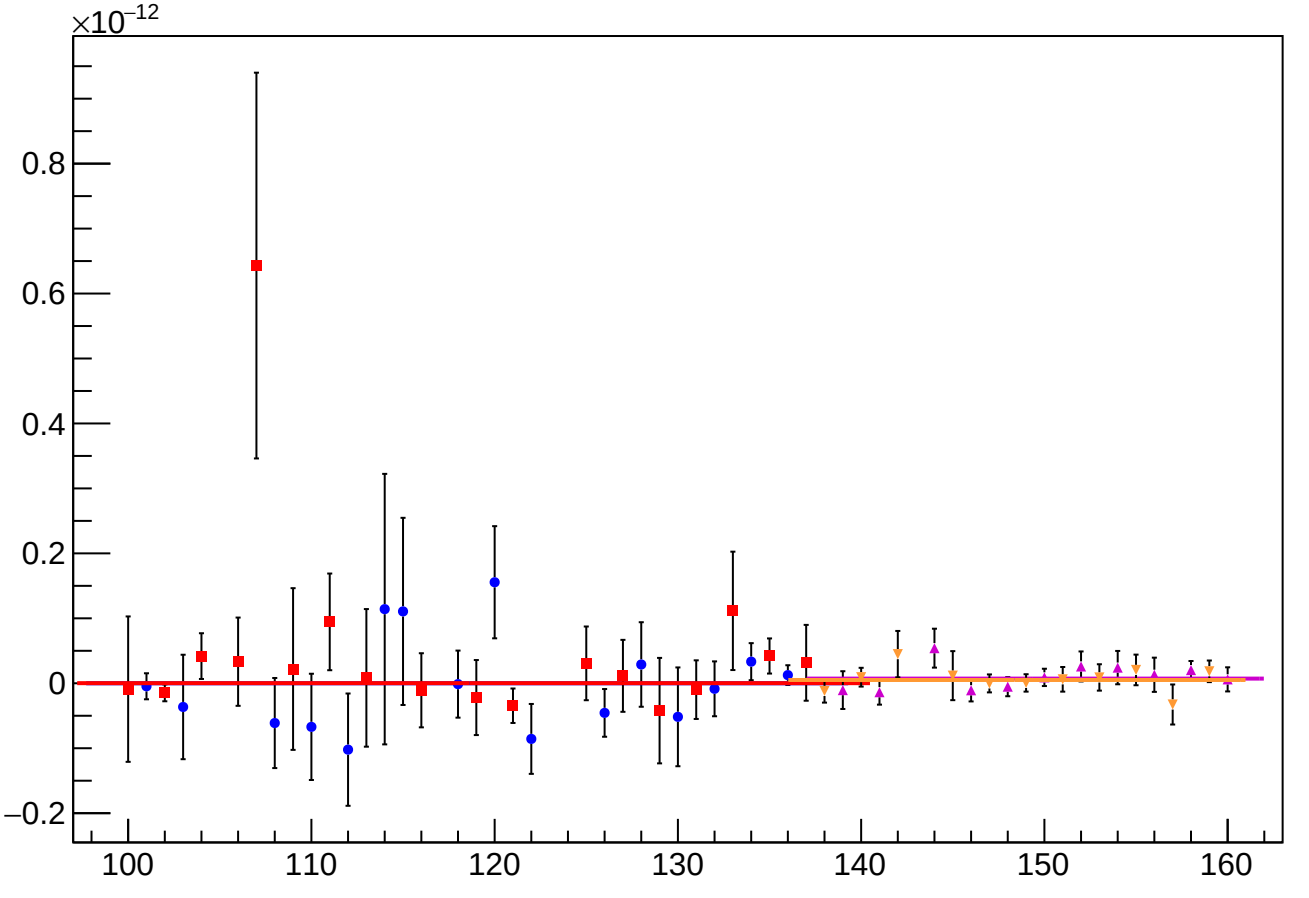
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.271+/-0.012 χ^2/NDF:869934.2/10

+ sign 49.370+/-0.010 χ^2/NDF: 3644259.6/26

All: 49.551+/-0.007 χ^2/NDF: 7570228.5/55

- 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:5.1/10

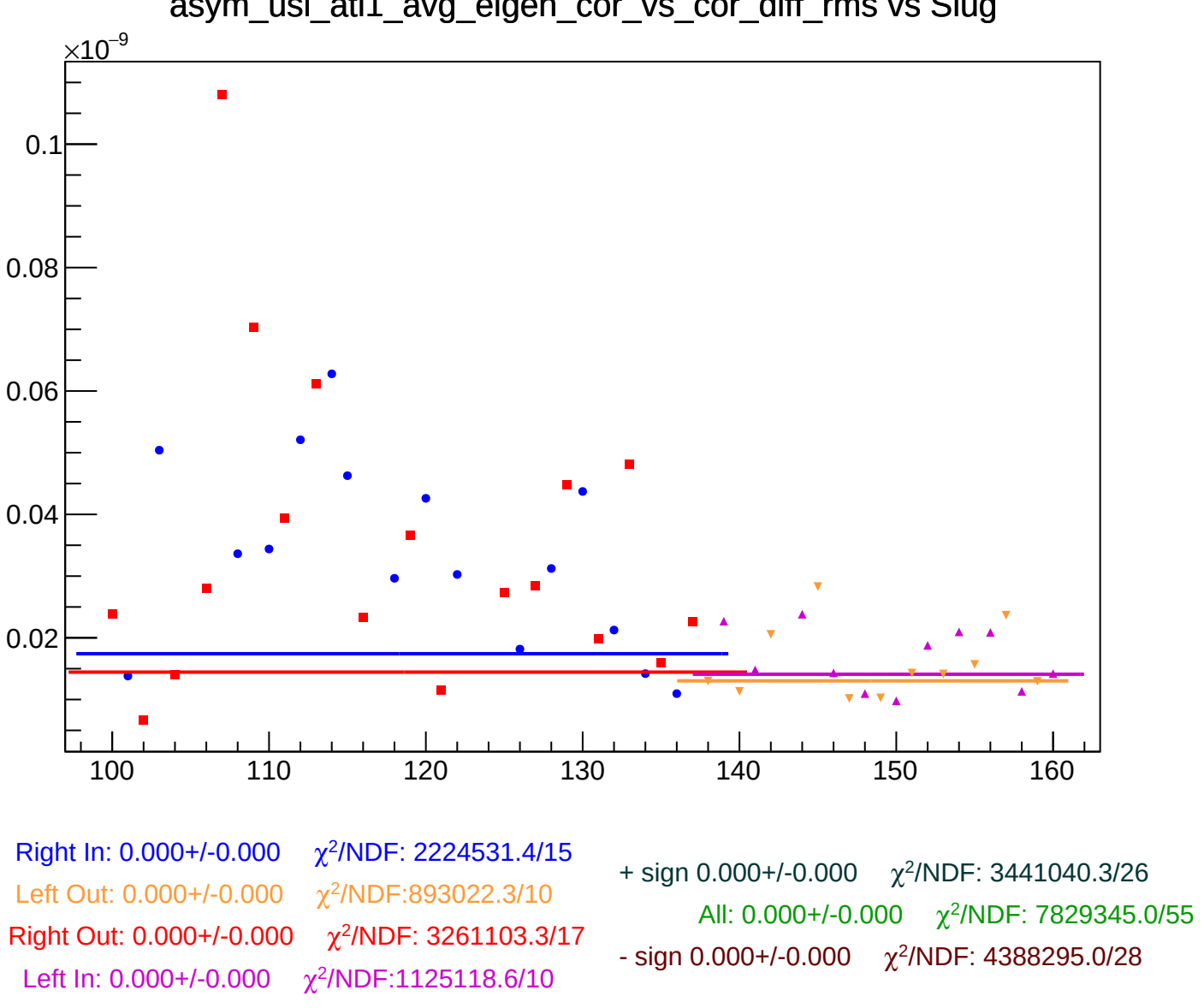
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:7.9/10

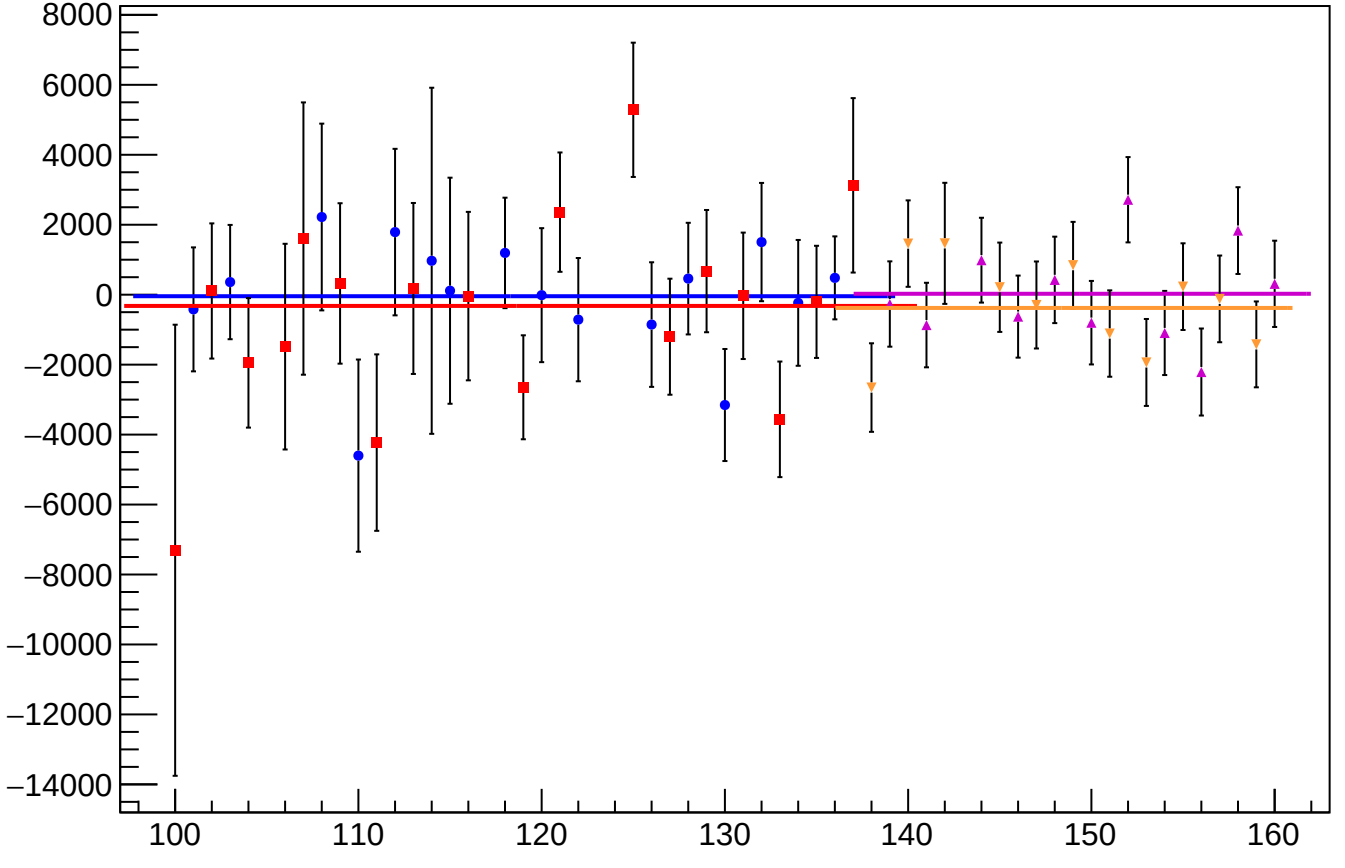
+ sign 0.000+/-0.000 χ^2/NDF: 19.4/26

All: 0.000+/-0.000 χ^2/NDF: 43.8/55

- sign 0.000+/-0.000 χ^2/NDF: 24.3/28


asym_usl_atl1_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: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:893022.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:1125118.6/10
+ sign 0.000+/-0.000 χ²/NDF: 3441040.3/26
All: 0.000+/-0.000 χ²/NDF: 7829345.0/55
- sign 0.000+/-0.000 χ²/NDF: 4388295.0/28

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -378.820+/-383.657 χ^2/NDF:10.7/10

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

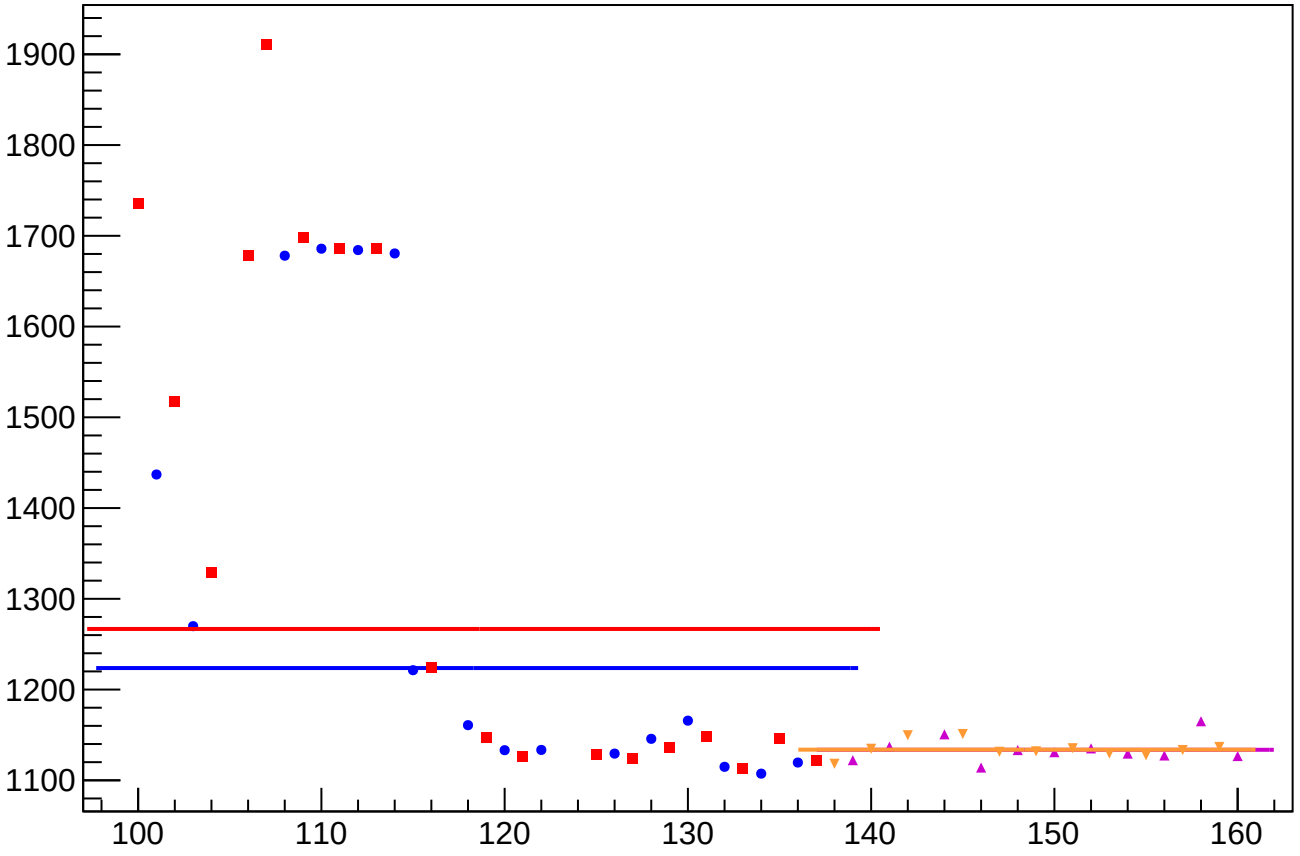
Left In: 26.005+/-366.675 χ^2/NDF:13.3/10

+ sign -241.056+/-294.427 χ^2/NDF: 21.1/26

All: -171.387+/-206.695 χ^2/NDF: 59.6/55

- 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: 1133.773+/-0.271 χ^2/NDF:936.4/10

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

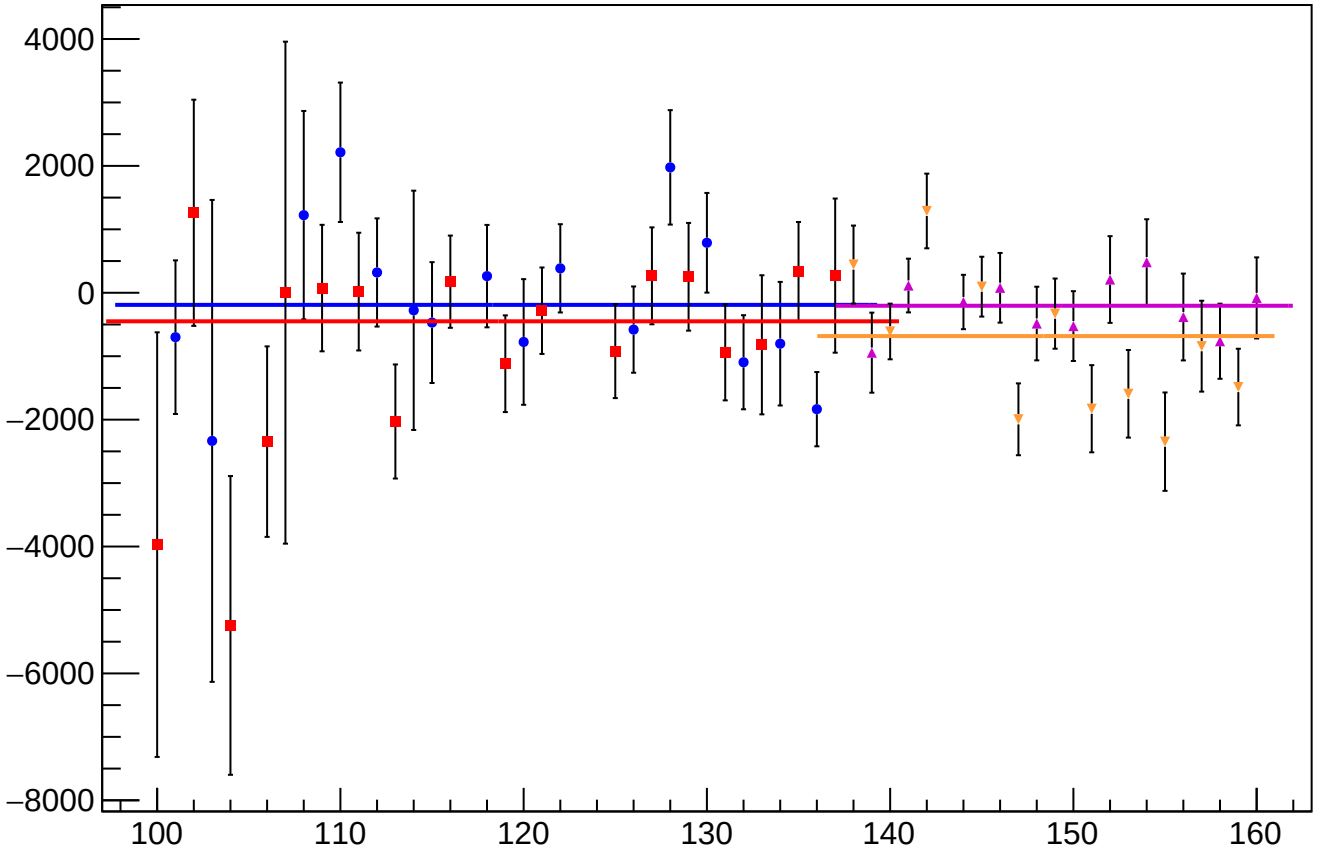
Left In: 1133.640+/-0.259 χ^2/NDF:2580.6/10

+ sign 1170.741+/-0.208 χ^2/NDF: 341075.6/26

All: 1177.142+/-0.146 χ^2/NDF: 876839.7/55

- 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: -682.650+/-176.280 χ^2/NDF:34.1/10

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

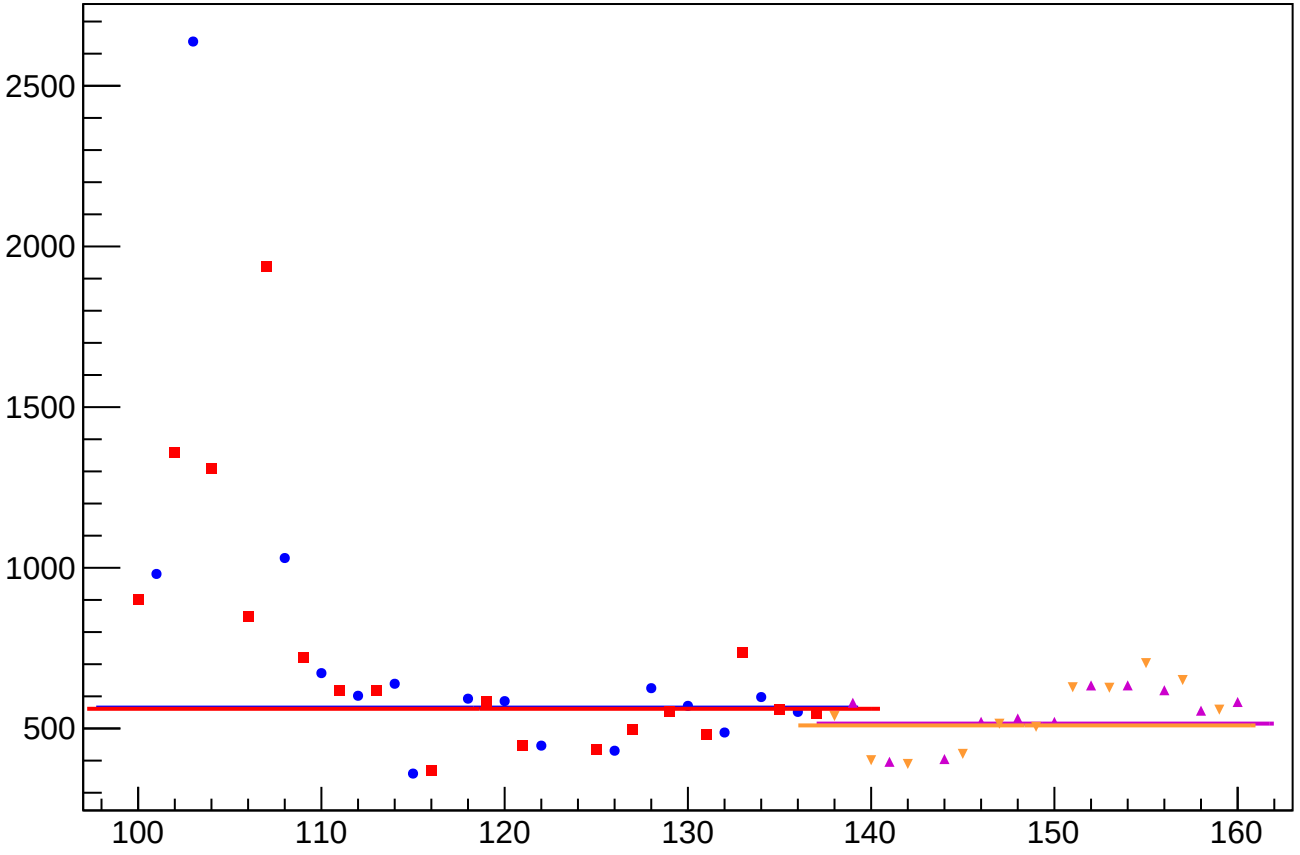
Left In: -204.575+/-169.295 χ^2/NDF:5.2/10

+ sign -493.299+/-138.259 χ^2/NDF: 62.3/26

All: -391.264+/-96.549 χ^2/NDF: 86.1/55

- 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: 509.528+/-0.125 χ^2/NDF:613468.8/10

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

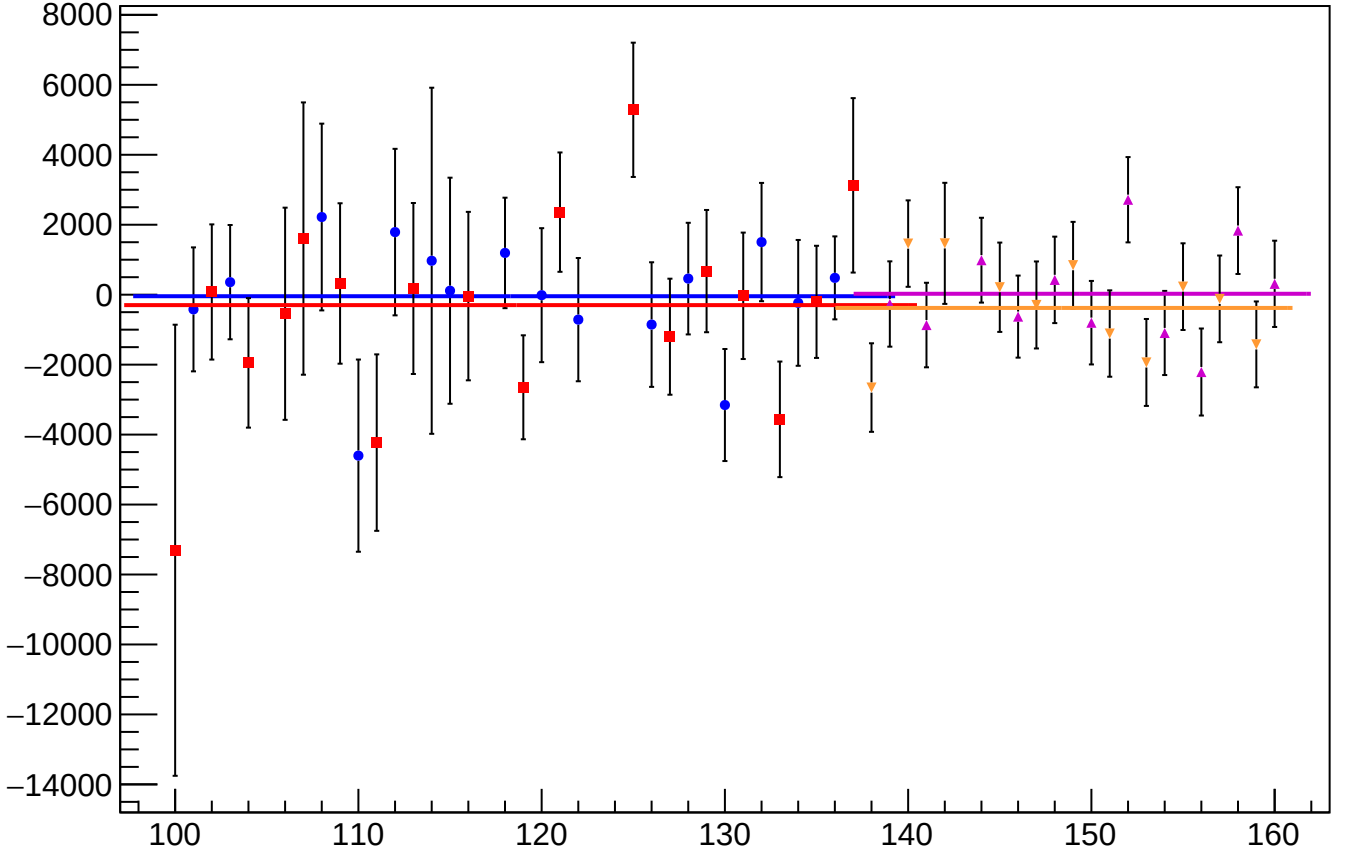
Left In: 515.149+/-0.120 χ^2/NDF:513056.9/10

+ sign 530.860+/-0.098 χ^2/NDF: 1974052.6/26

All: 531.436+/-0.068 χ^2/NDF: 3893561.2/55

- 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: -378.753+/-383.657 χ^2/NDF:10.7/10

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

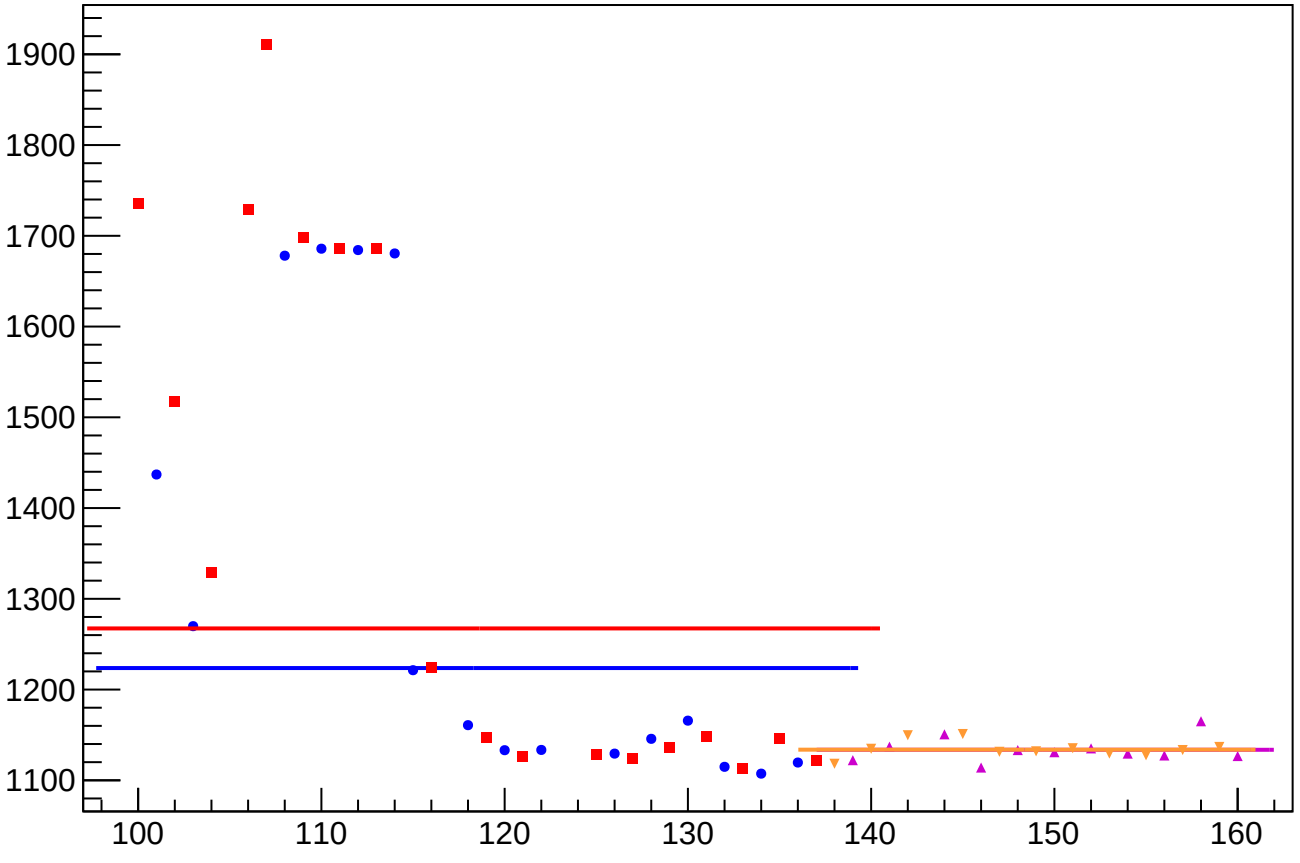
Left In: 26.040+/-366.675 χ^2/NDF:13.3/10

+ sign -241.116+/-294.427 χ^2/NDF: 21.1/26

All: -166.999+/-206.726 χ^2/NDF: 59.4/55

- 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: 1133.773+/-0.271 χ^2/NDF:936.4/10

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

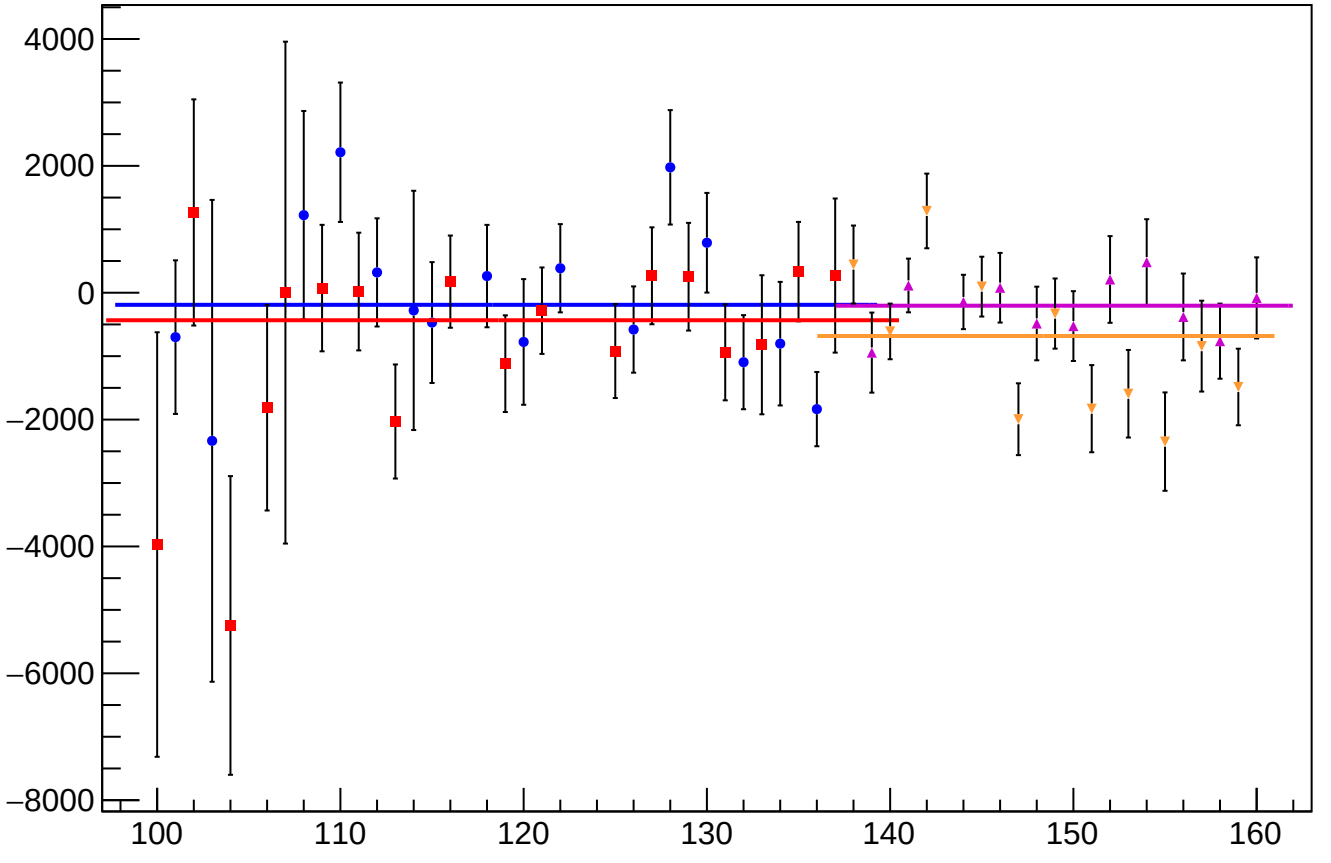
Left In: 1133.640+/-0.259 χ^2/NDF:2580.6/10

+ sign 1170.741+/-0.208 χ^2/NDF: 341075.6/26

All: 1177.225+/-0.146 χ^2/NDF: 884792.8/55

- 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: -682.635+/-176.280 χ^2/NDF:34.1/10

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

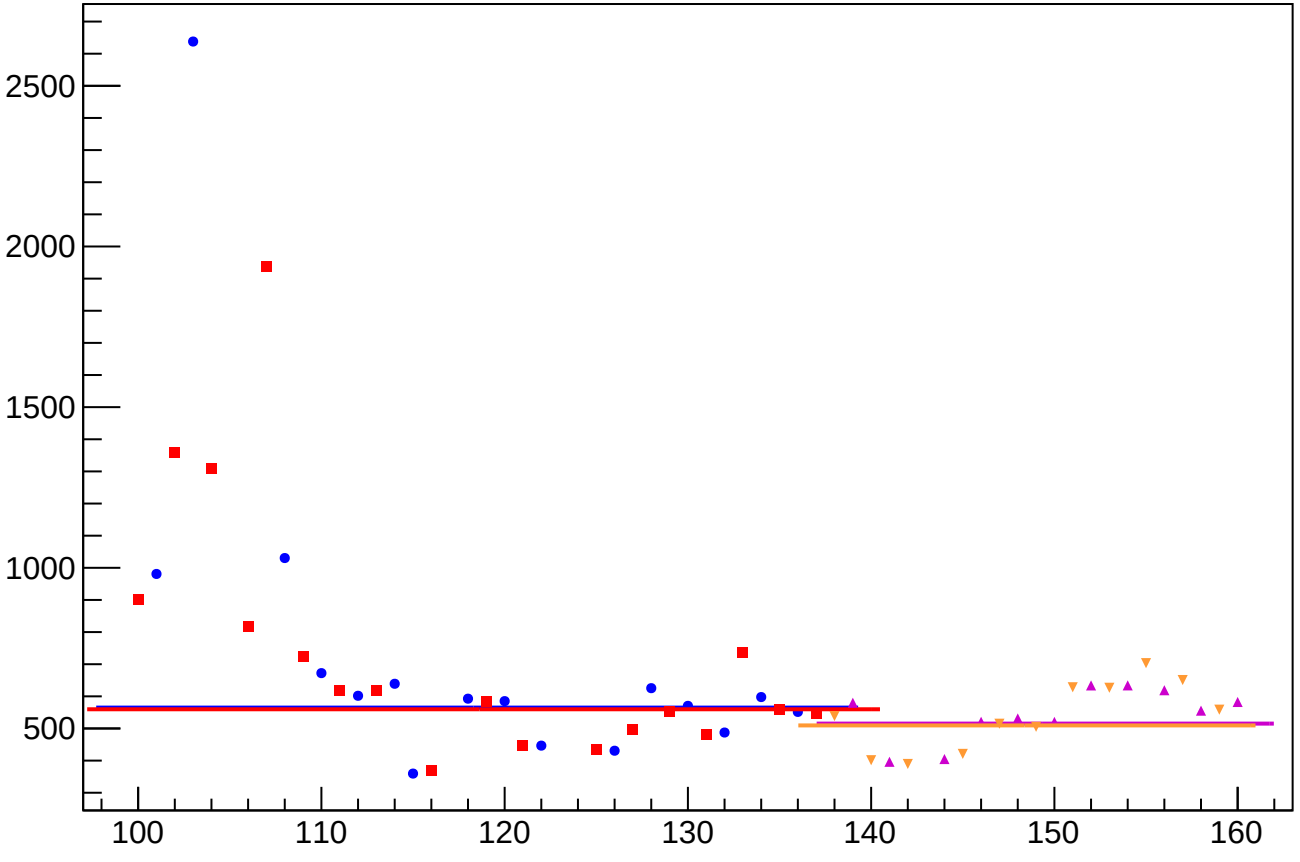
Left In: -204.567+/-169.296 χ^2/NDF:5.2/10

+ sign -493.293+/-138.259 χ^2/NDF: 62.3/26

All: -388.244+/-96.577 χ^2/NDF: 85.2/55

- 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: 509.526+/-0.125 χ^2/NDF:613446.8/10

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

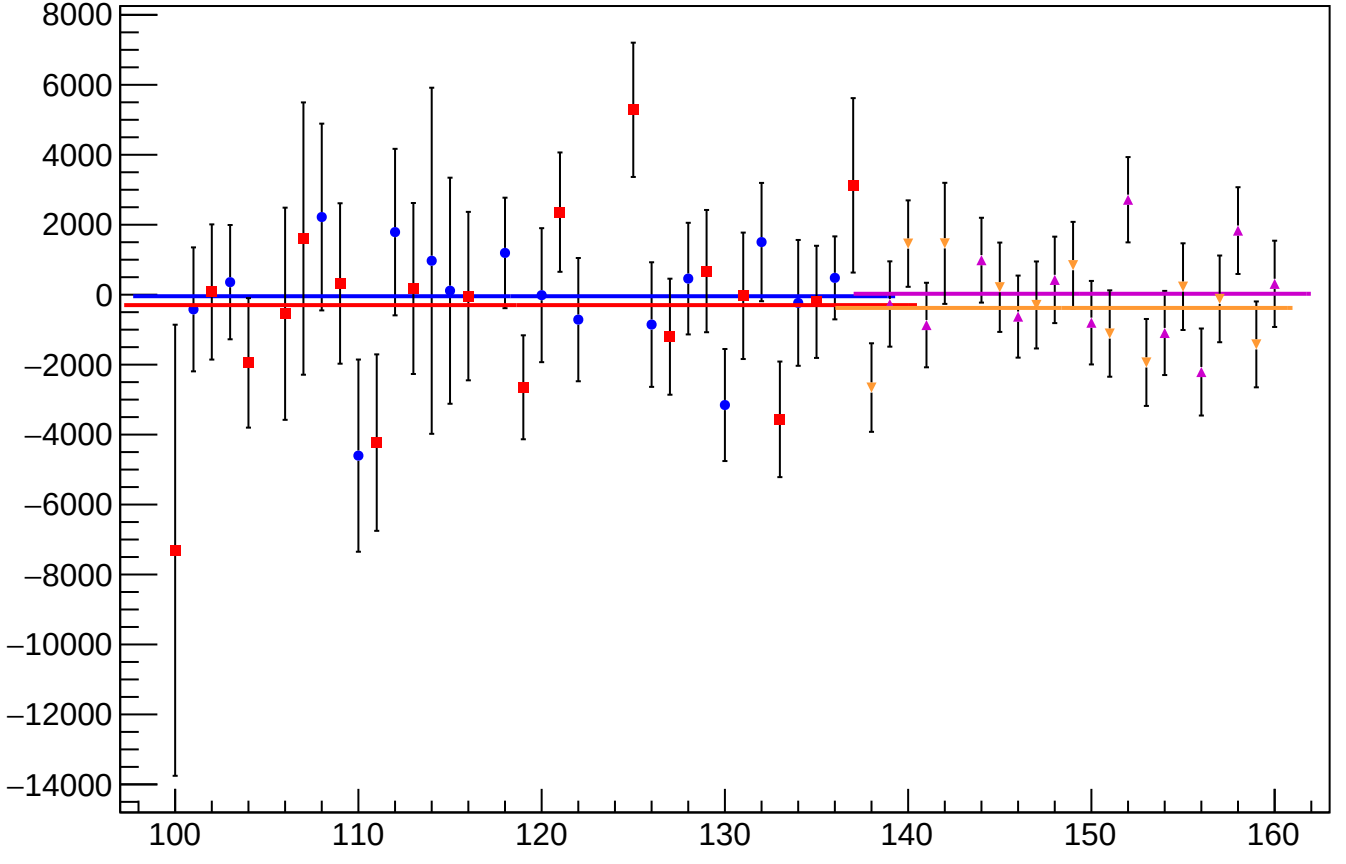
Left In: 515.151+/-0.120 χ^2/NDF:513025.6/10

+ sign 530.858+/-0.098 χ^2/NDF: 1974001.2/26

All: 531.140+/-0.068 χ^2/NDF: 3867008.5/55

- 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: -378.753+/-383.657 χ^2/NDF:10.7/10

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

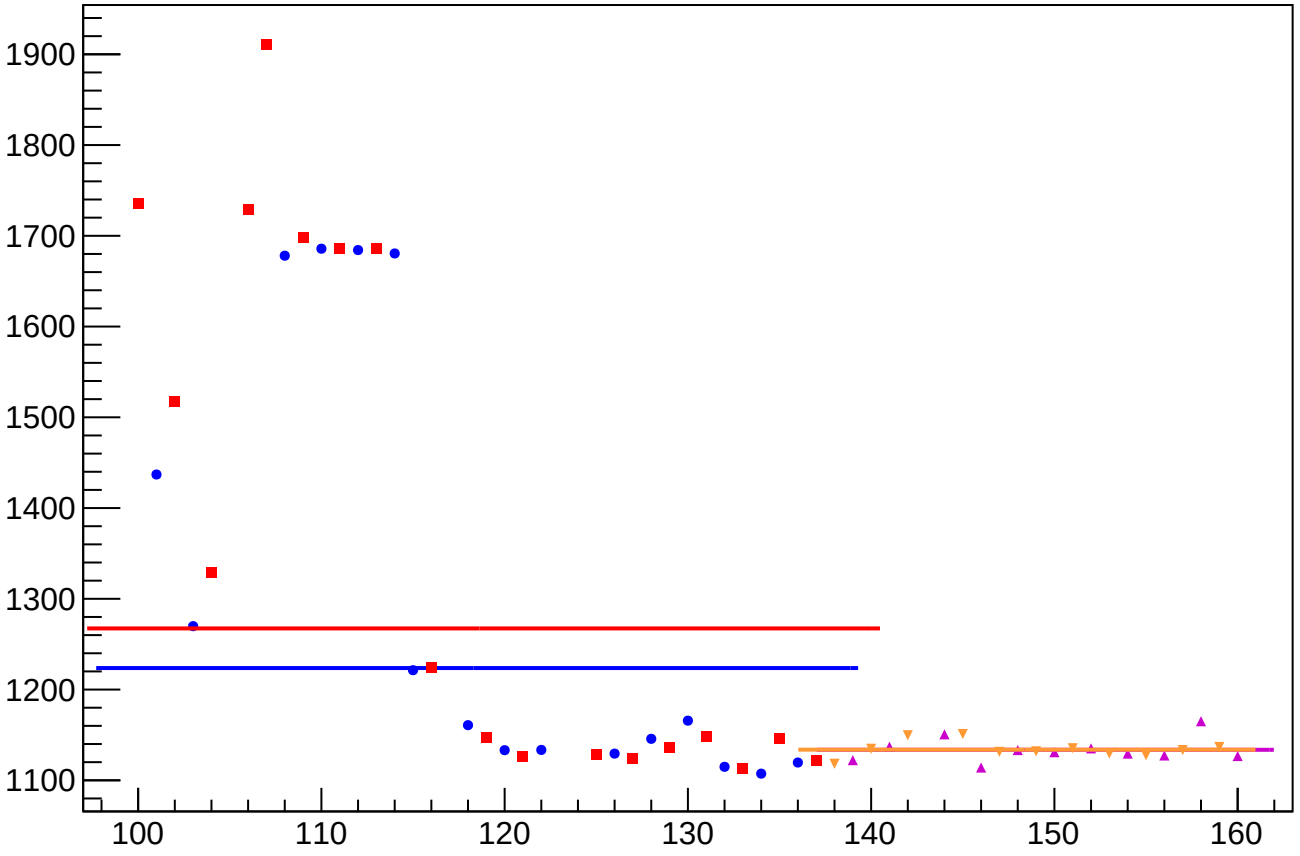
Left In: 26.040+/-366.675 χ^2/NDF:13.3/10

+ sign -241.116+/-294.427 χ^2/NDF: 21.1/26

All: -166.999+/-206.726 χ^2/NDF: 59.4/55

- 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: 1133.773+/-0.271 χ^2/NDF:936.4/10

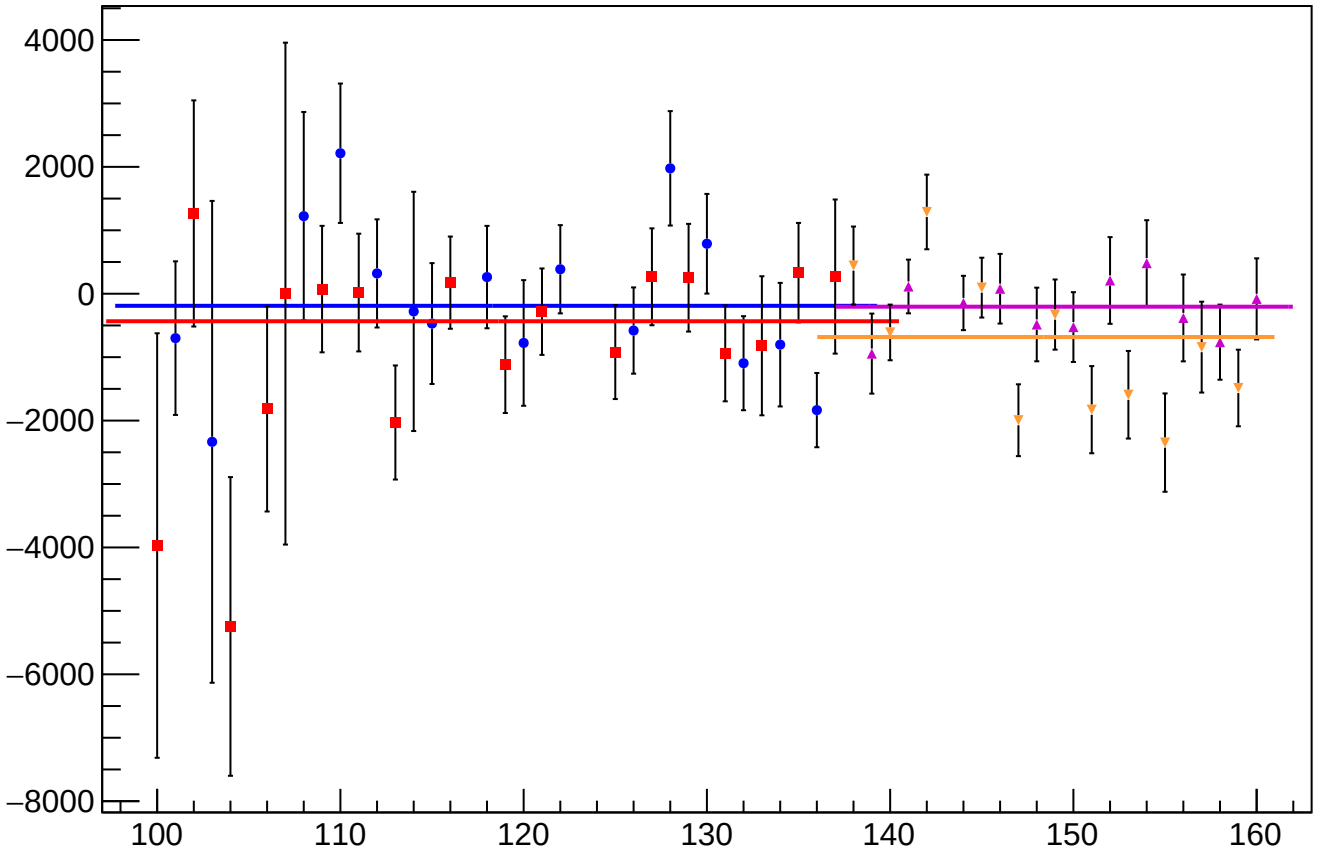
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1133.640+/-0.259 χ^2/NDF:2580.6/10

+ sign 1170.741+/-0.208 χ^2/NDF: 341075.6/26

All: 1177.225+/-0.146 χ^2/NDF: 884792.8/55

- 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: -682.635+/-176.280 χ^2/NDF:34.1/10

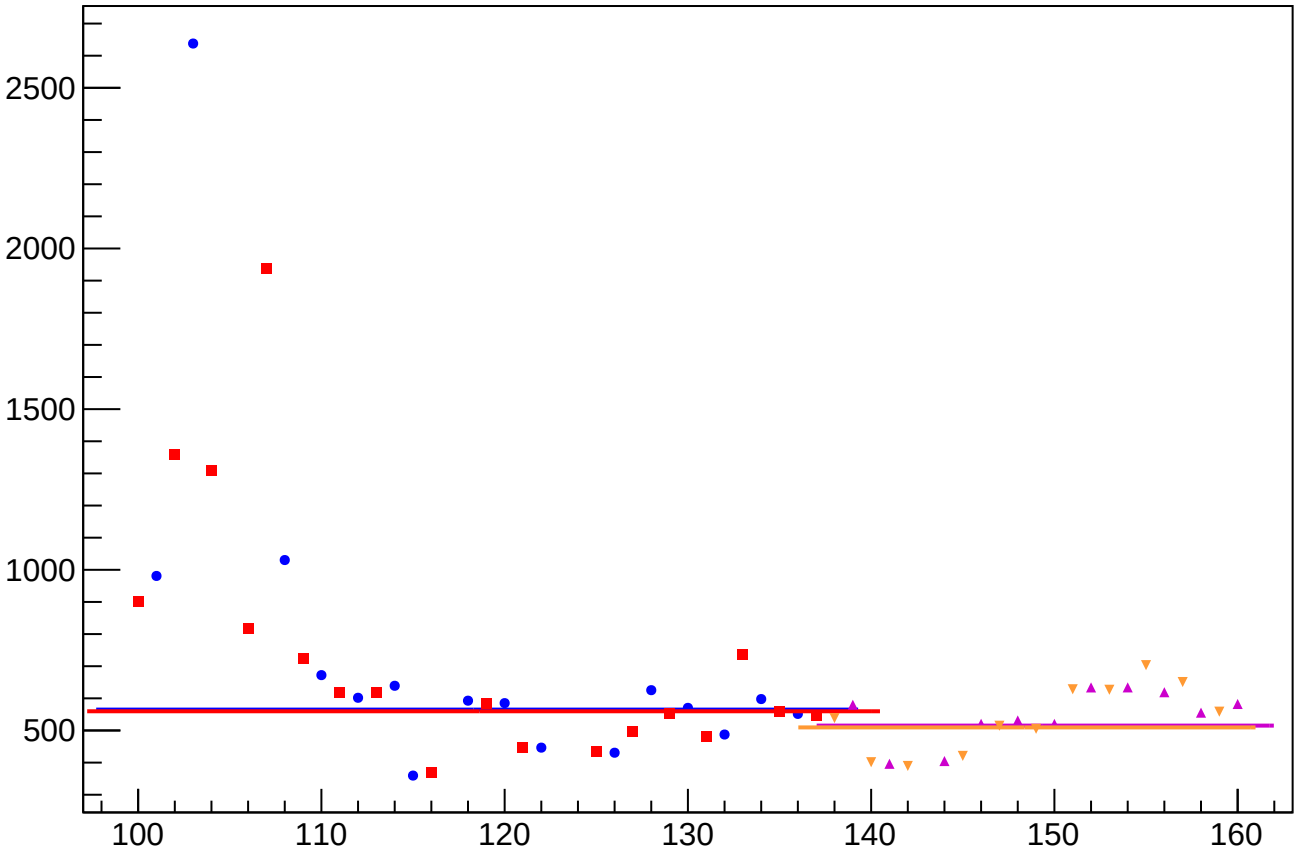
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -204.567+/-169.296 χ^2/NDF:5.2/10

\+ sign -493.293+/-138.259 χ^2/NDF: 62.3/26

All: -388.244+/-96.577 χ^2/NDF: 85.2/55

\- 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: 509.526+/-0.125 χ^2/NDF:613446.8/10

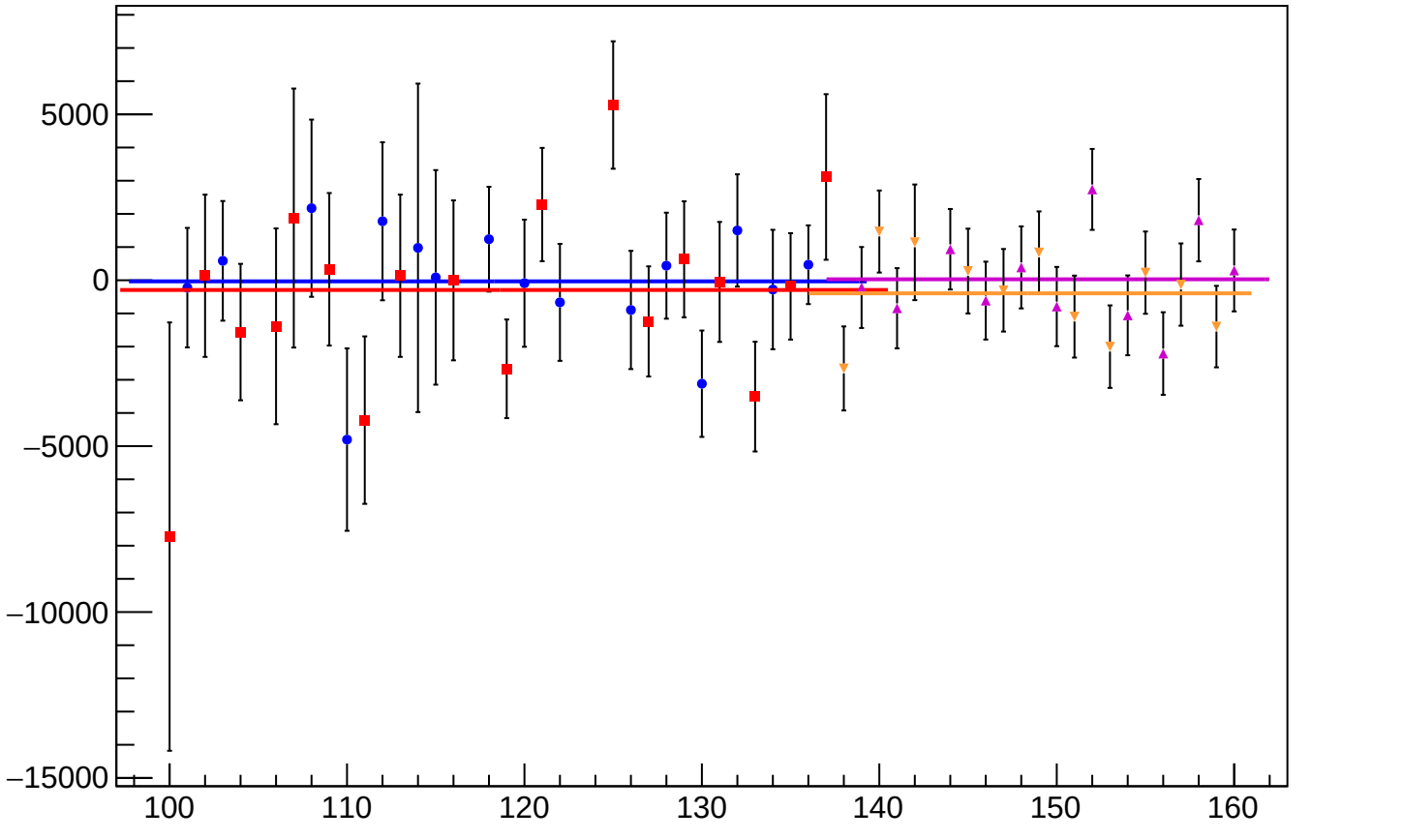
Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 515.151+/-0.120 χ^2/NDF:513025.6/10

\+ sign 530.858+/-0.098 χ^2/NDF: 1974001.2/26

All: 531.140+/-0.068 χ^2/NDF: 3867008.5/55

\- 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: -394.310+/-383.938 χ^2/NDF:10.5/10

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

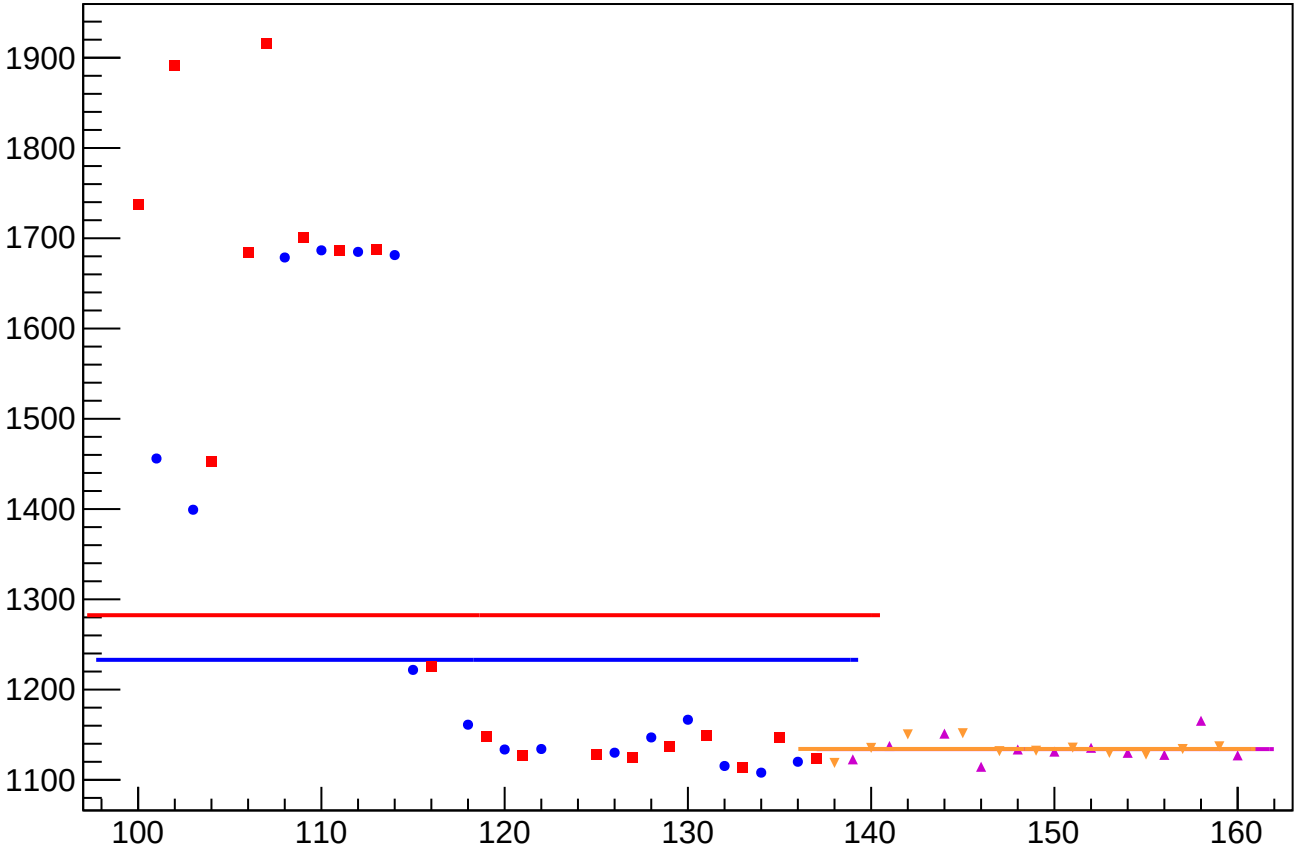
Left In: 28.954+/-366.811 χ^2/NDF:13.1/10

+ sign -247.199+/-295.600 χ^2/NDF: 21.1/26

All: -167.058+/-207.846 χ^2/NDF: 58.8/55

- 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: 1134.243+/-0.271 χ^2/NDF:945.8/10

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

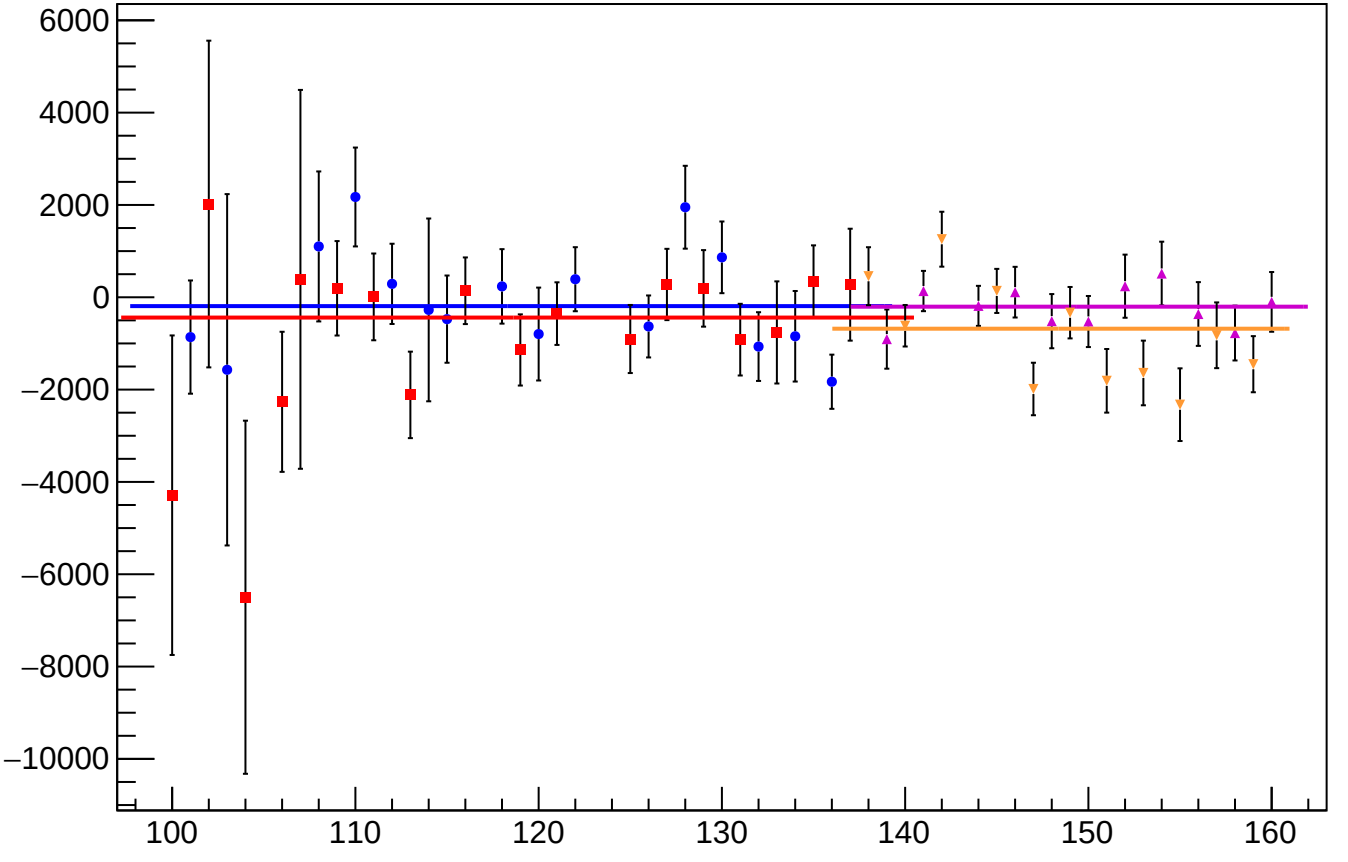
Left In: 1134.062+/-0.259 χ^2/NDF:2579.0/10

+ sign 1174.446+/-0.209 χ^2/NDF: 370264.8/26

All: 1181.403+/-0.147 χ^2/NDF: 1037827.2/55

- 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: -680.771+/-178.326 χ^2/NDF:33.1/10

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

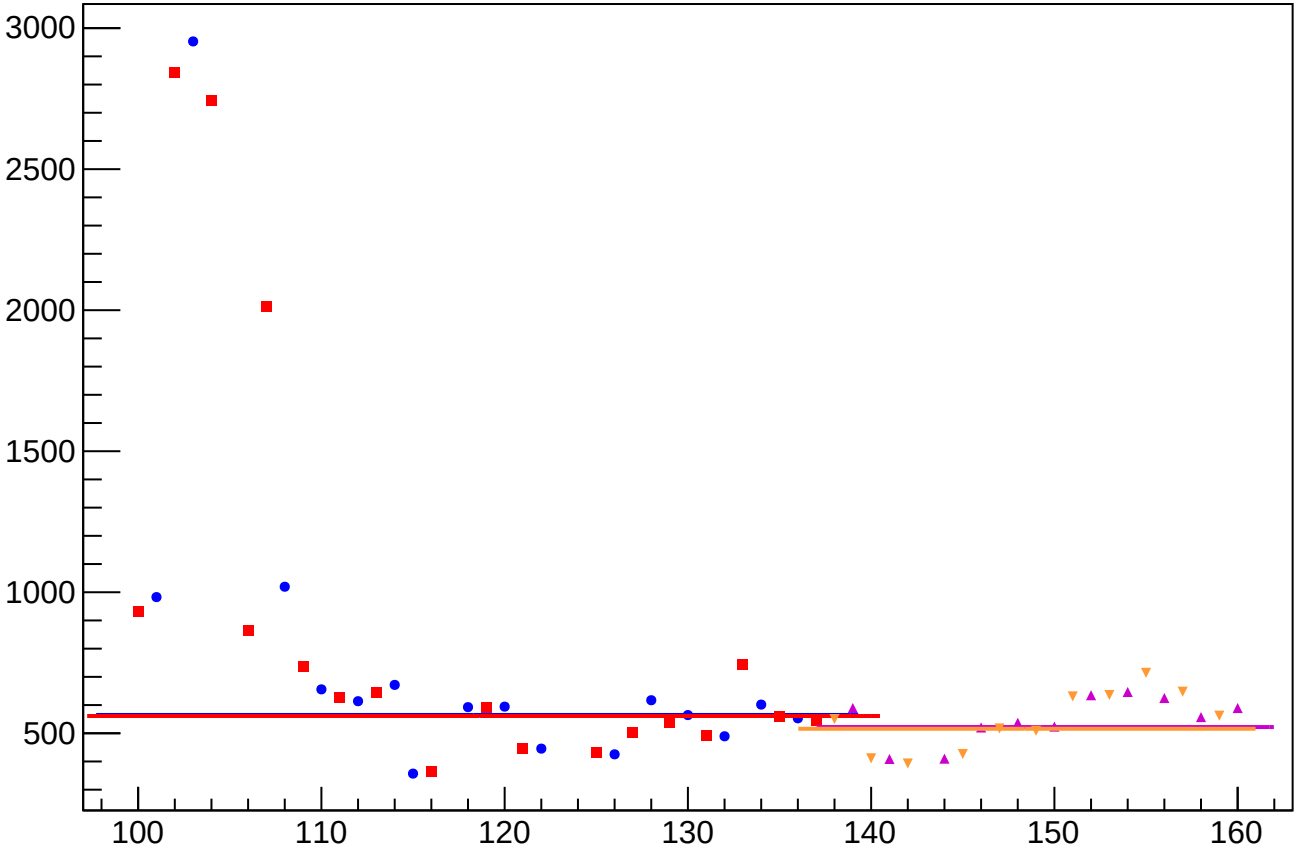
Left In: -203.640+/-171.371 χ^2/NDF:5.3/10

+ sign -489.697+/-139.214 χ^2/NDF: 61.3/26

All: -387.761+/-97.532 χ^2/NDF: 83.0/55

- 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: 515.959+/-0.126 χ^2/NDF:591241.9/10

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

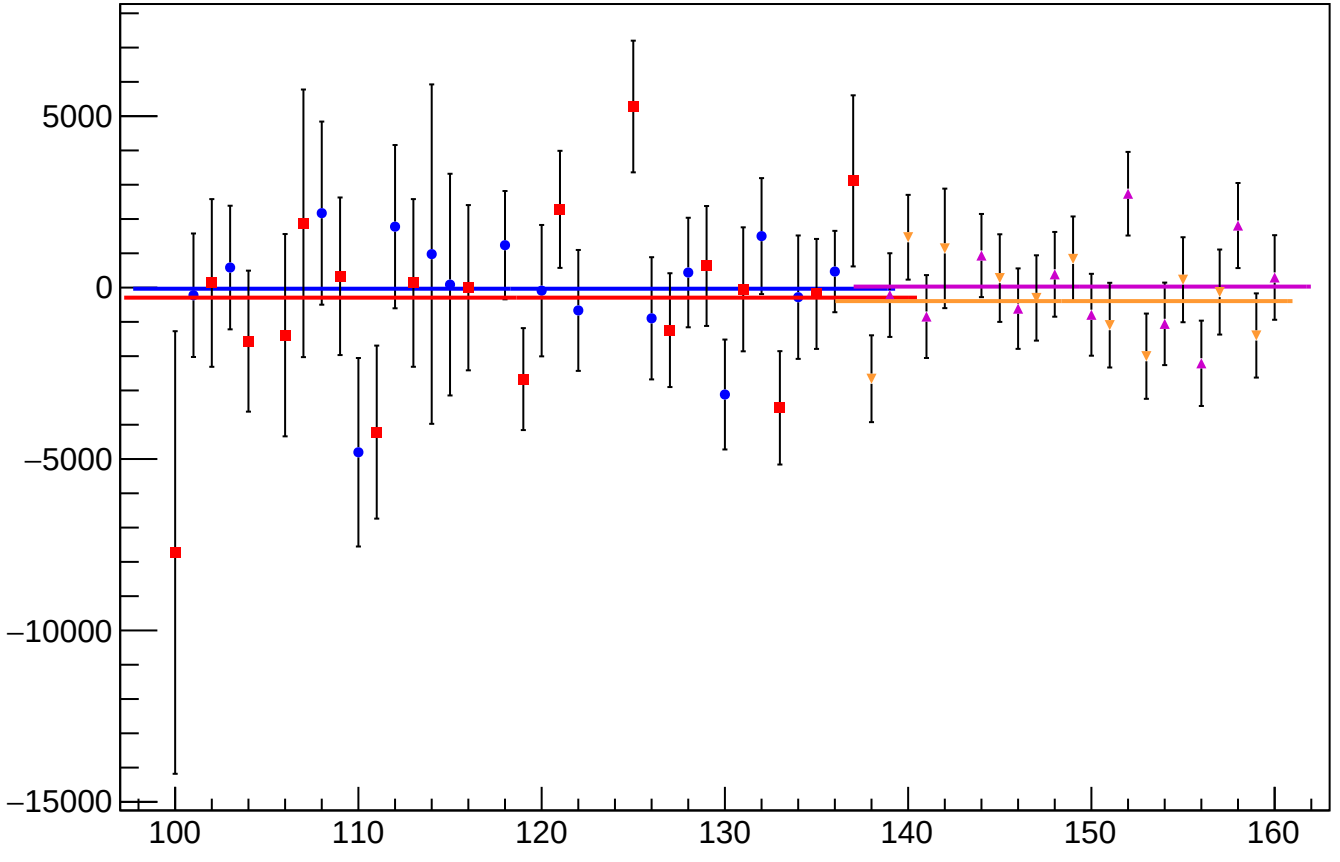
Left In: 522.050+/-0.121 χ^2/NDF:484309.9/10

+ sign 535.061+/-0.098 χ^2/NDF: 2130381.9/26

All: 535.703+/-0.069 χ^2/NDF: 4926267.8/55

- 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: -394.313+/-383.938 χ^2/NDF:10.5/10

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

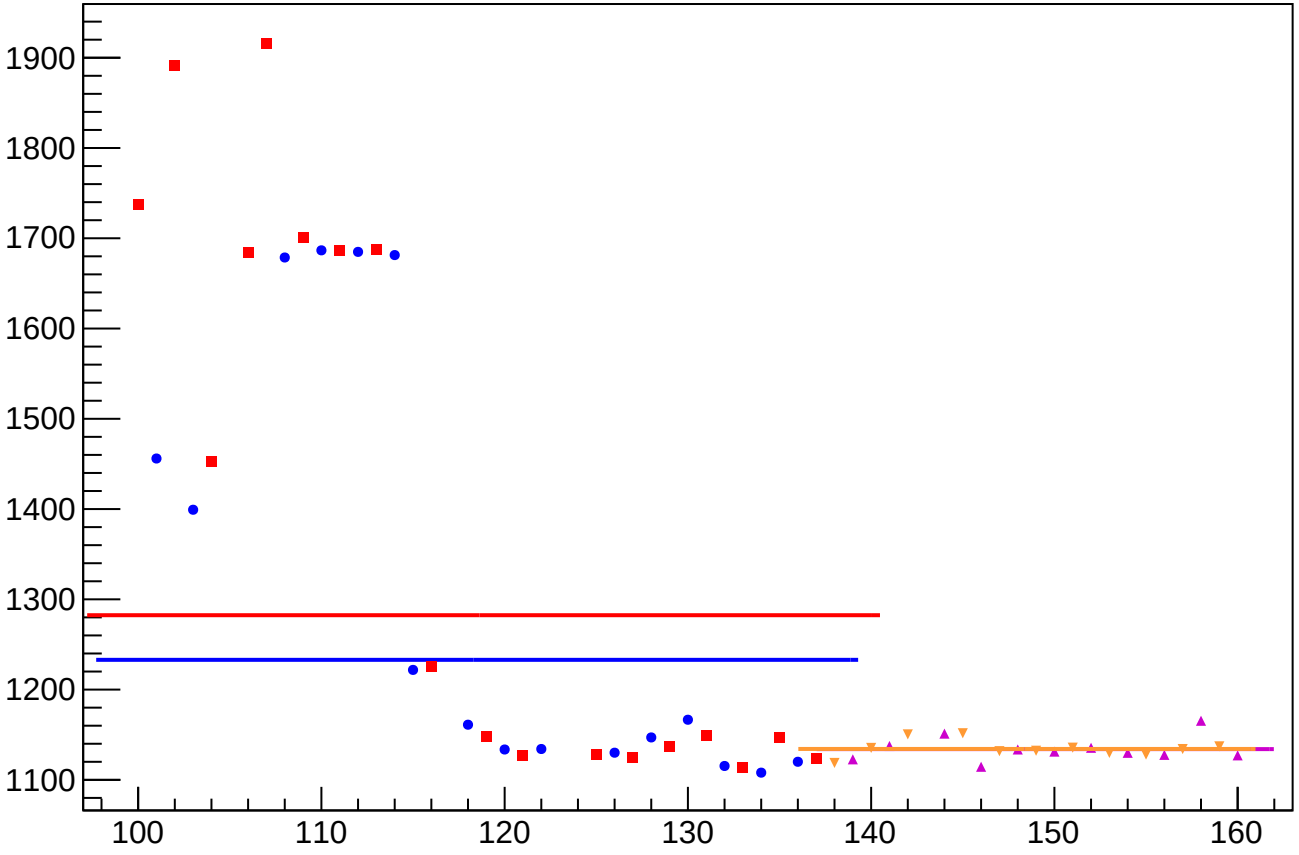
Left In: 28.953+/-366.811 χ^2/NDF:13.1/10

+ sign -247.200+/-295.600 χ^2/NDF: 21.1/26

All: -167.059+/-207.846 χ^2/NDF: 58.8/55

- 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: 1134.243+/-0.271 χ^2/NDF:945.8/10

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

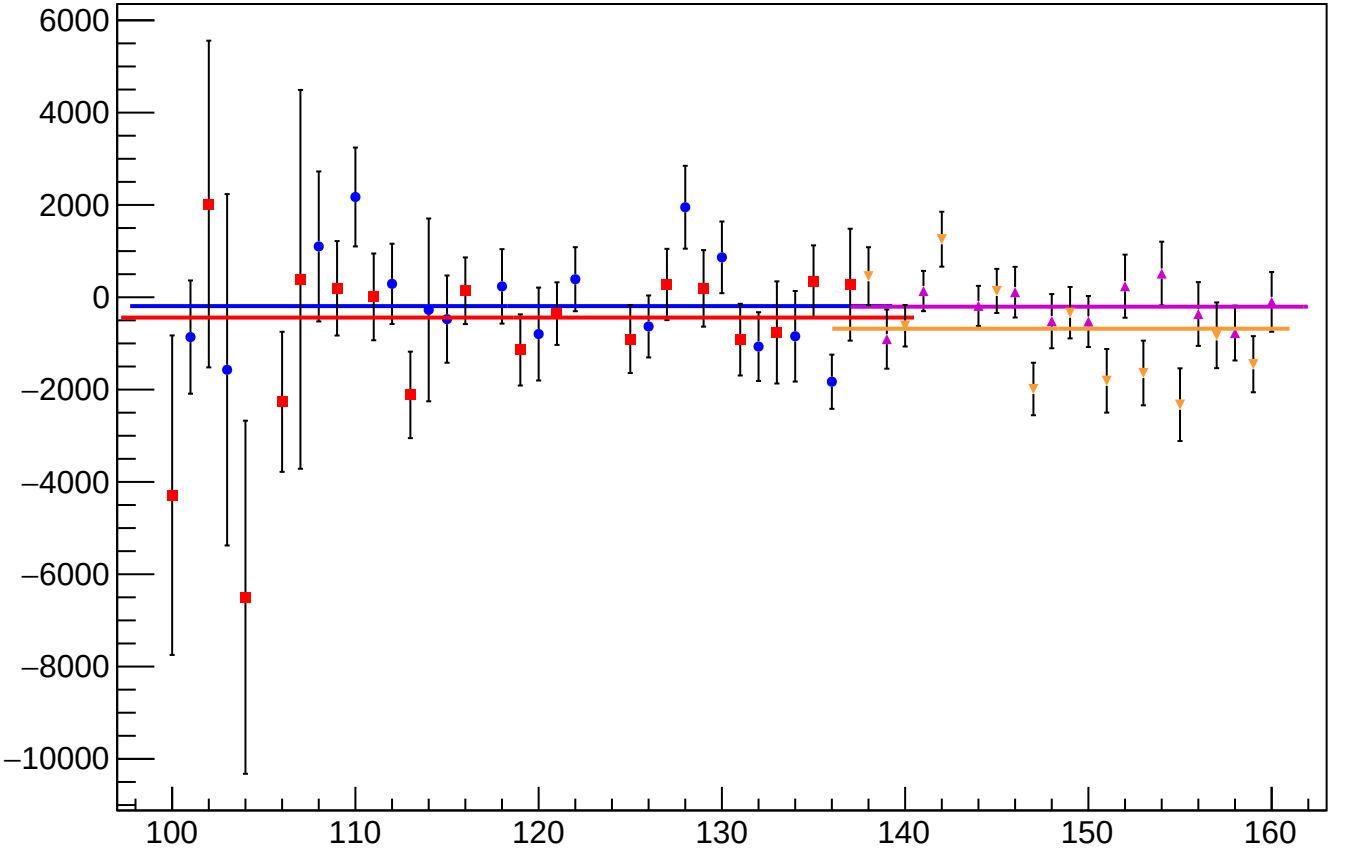
Left In: 1134.062+/-0.259 χ^2/NDF:2579.0/10

+ sign 1174.446+/-0.209 χ^2/NDF: 370264.3/26

All: 1181.403+/-0.147 χ^2/NDF: 1037826.0/55

- sign 1188.205+/-0.207 χ^2/NDF: 665370.7/28

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -680.768+/-178.325 χ^2/NDF:33.1/10

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

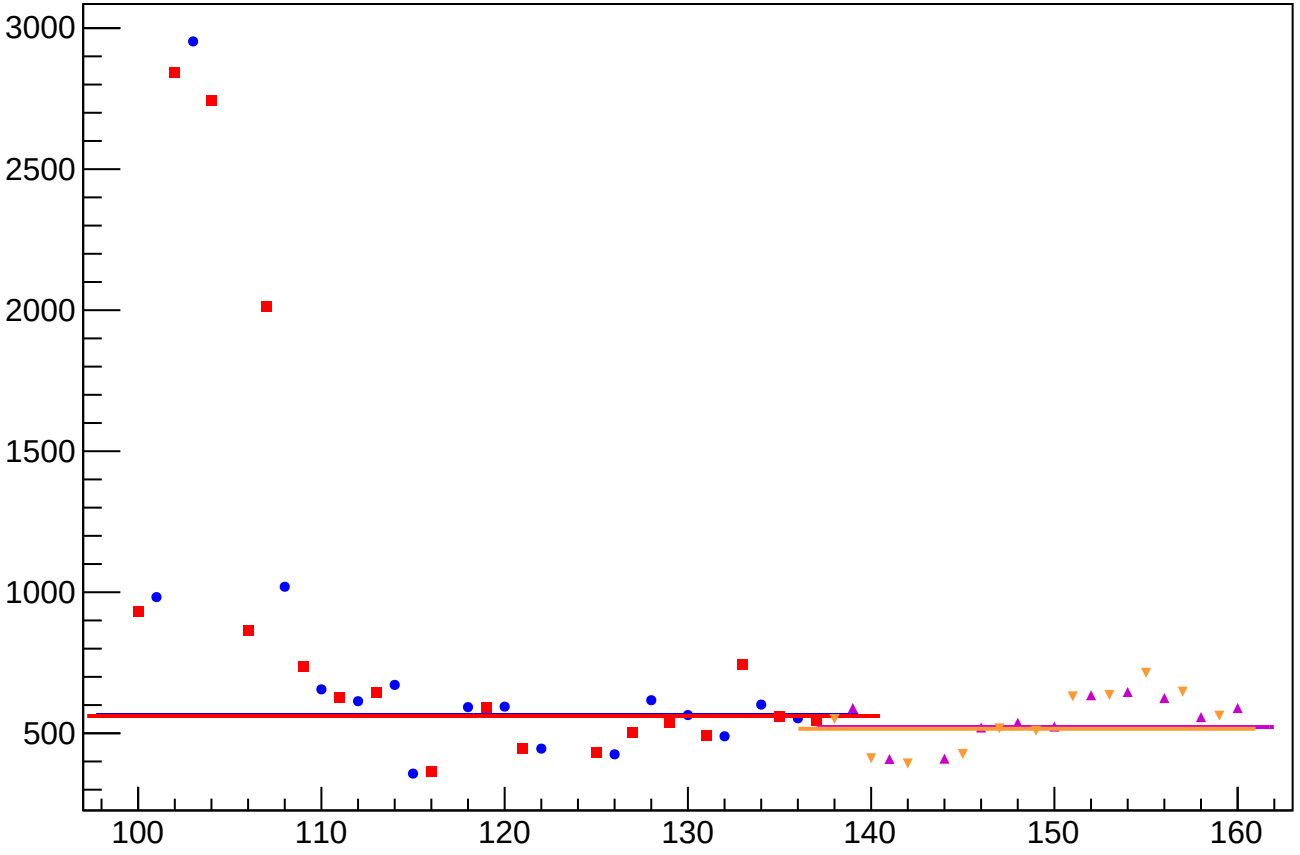
Left In: -203.640+/-171.371 χ^2/NDF:5.3/10

\+ sign -489.695+/-139.214 χ^2/NDF: 61.3/26

All: -387.760+/-97.532 χ^2/NDF: 83.0/55

\- 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: 515.958+/-0.126 χ^2/NDF:591260.2/10

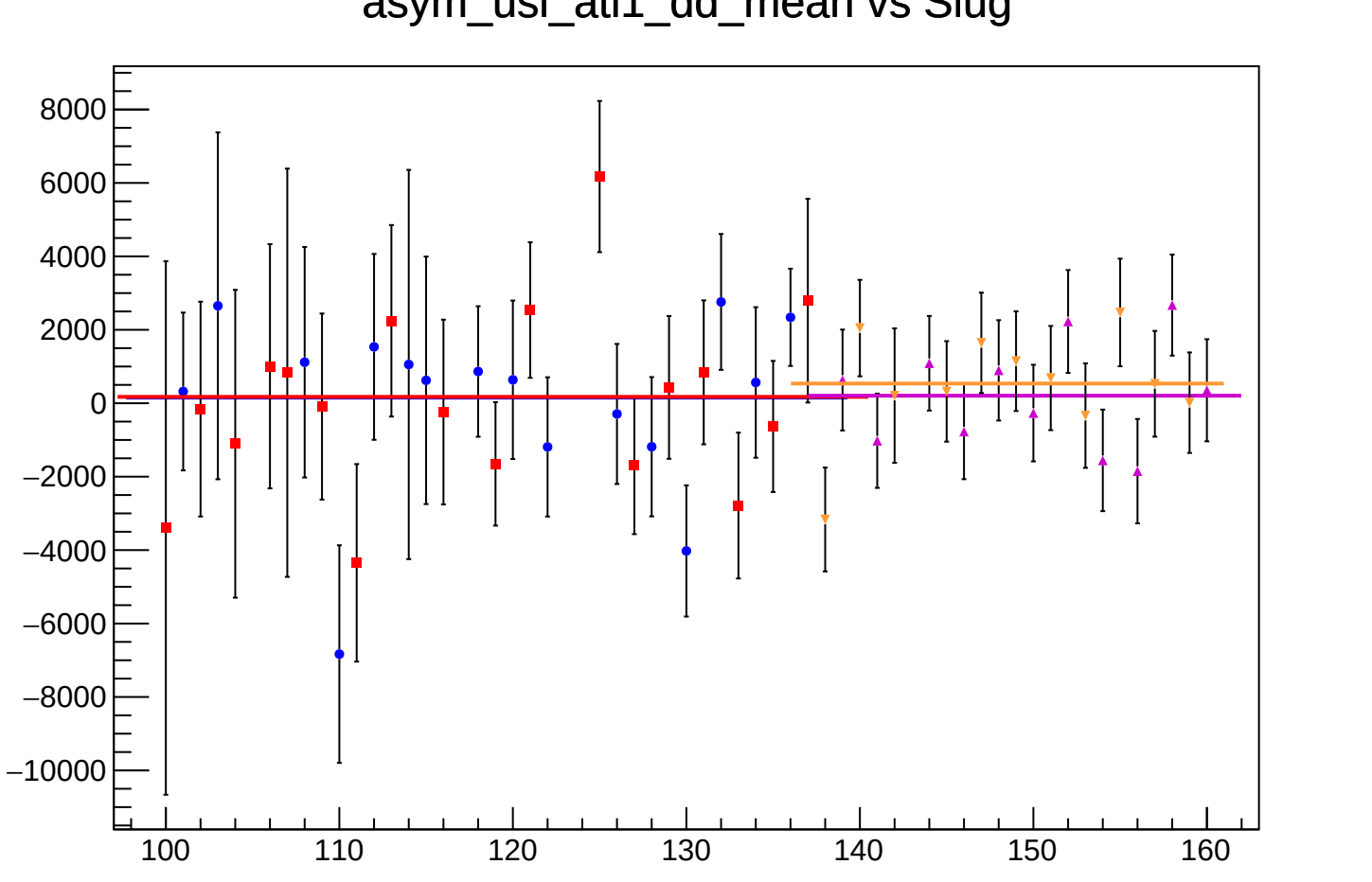
Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 522.049+/-0.121 χ^2/NDF:484321.8/10

+ sign 535.061+/-0.098 χ^2/NDF: 2130399.5/26

All: 535.702+/-0.069 χ^2/NDF: 4926299.0/55

- sign 536.320+/-0.097 χ^2/NDF: 2795816.1/28



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 536.714+/-427.922 χ^2/NDF:11.4/10

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

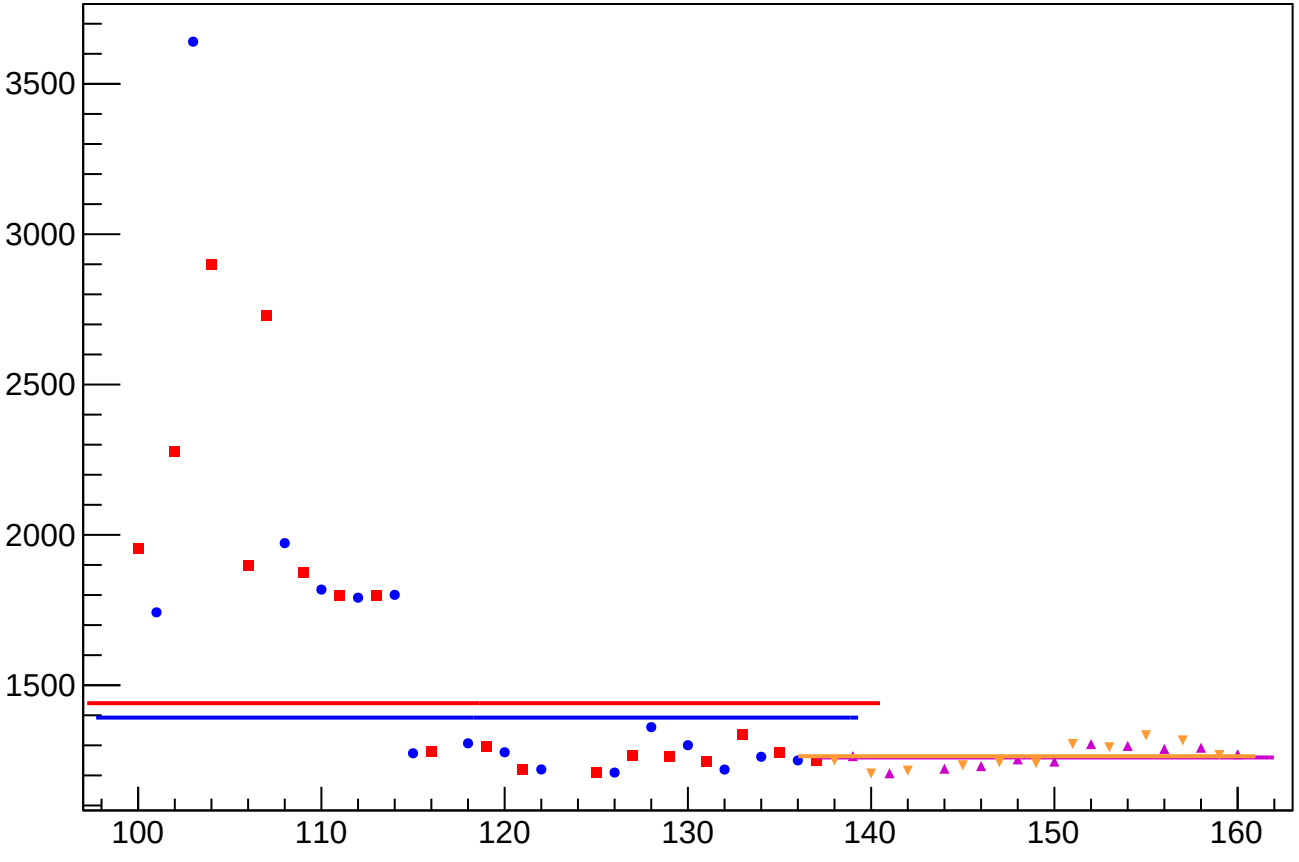
Left In: 205.151+/-407.569 χ^2/NDF:11.5/10

+ sign 386.158+/-333.464 χ^2/NDF: 29.4/26

All: 288.457+/-233.654 χ^2/NDF: 60.7/55

- 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: 1263.841+/-0.303 χ^2/NDF:17062.3/10

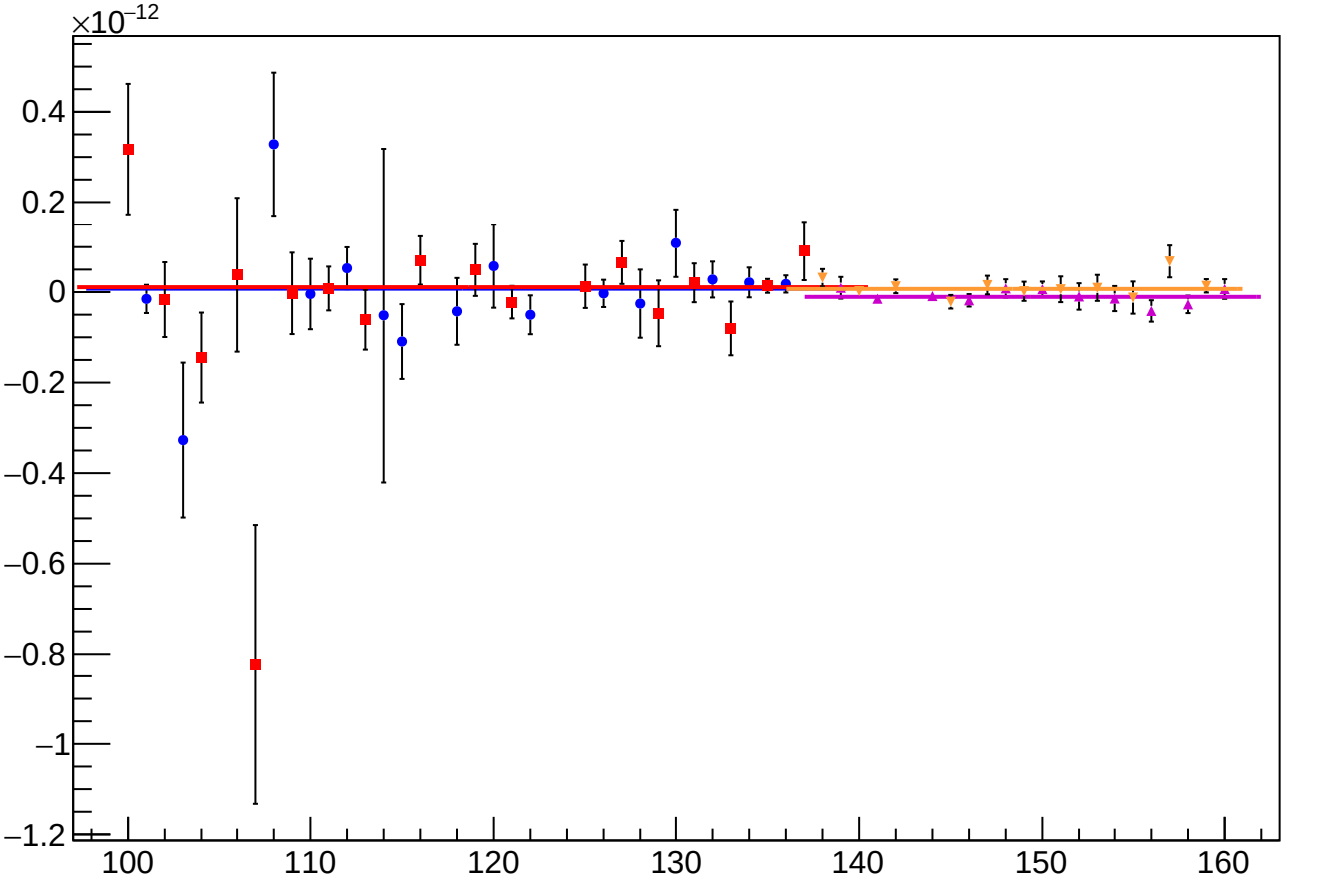
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1259.684+/-0.288 χ^2/NDF:11897.7/10

+ sign 1314.293+/-0.236 χ^2/NDF: 867087.1/26

All: 1319.060+/-0.165 χ^2/NDF: 1873731.8/55

- 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:9.2/10

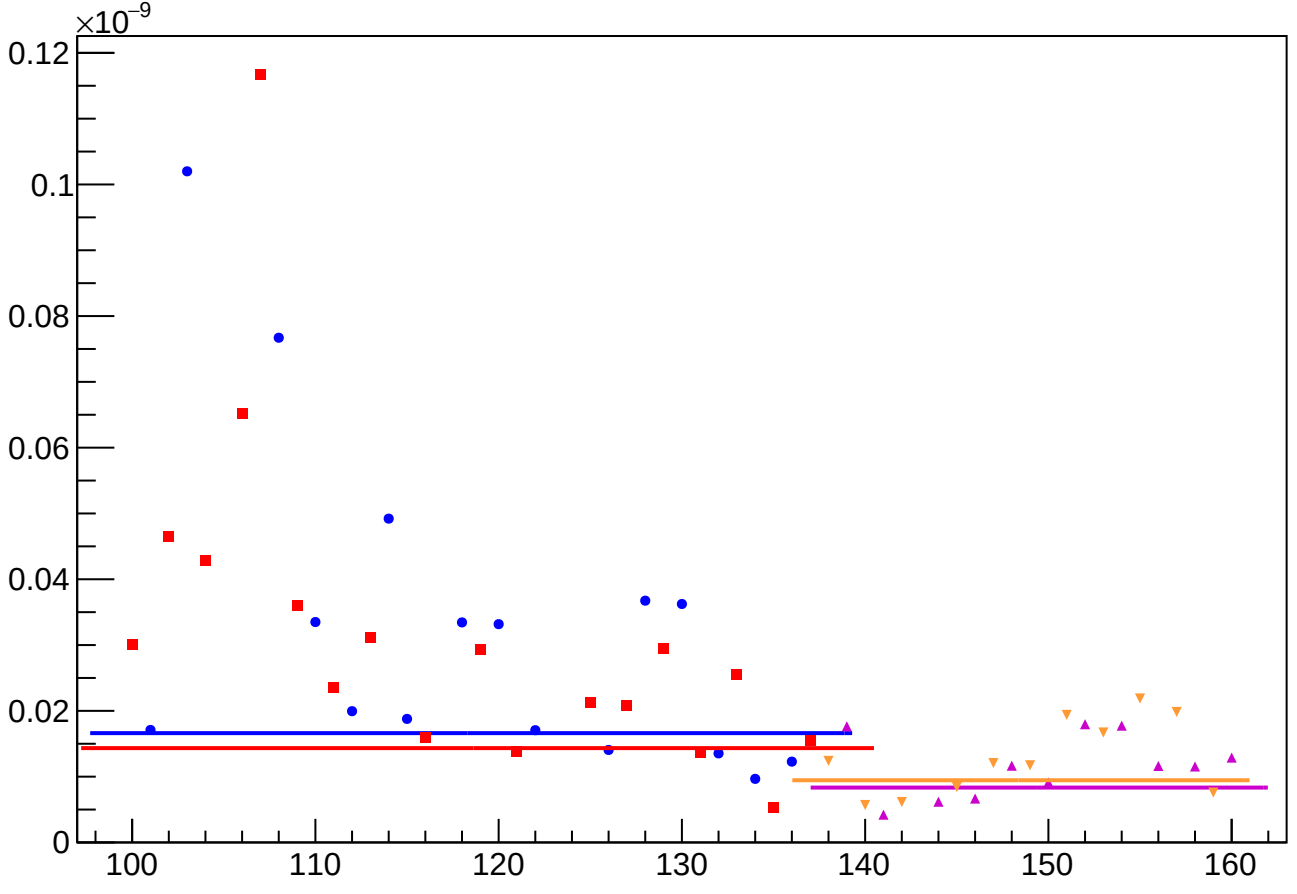
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:6.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 26.1/26

All: -0.000+/-0.000 χ^2/NDF: 64.2/55

- 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:1251483.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

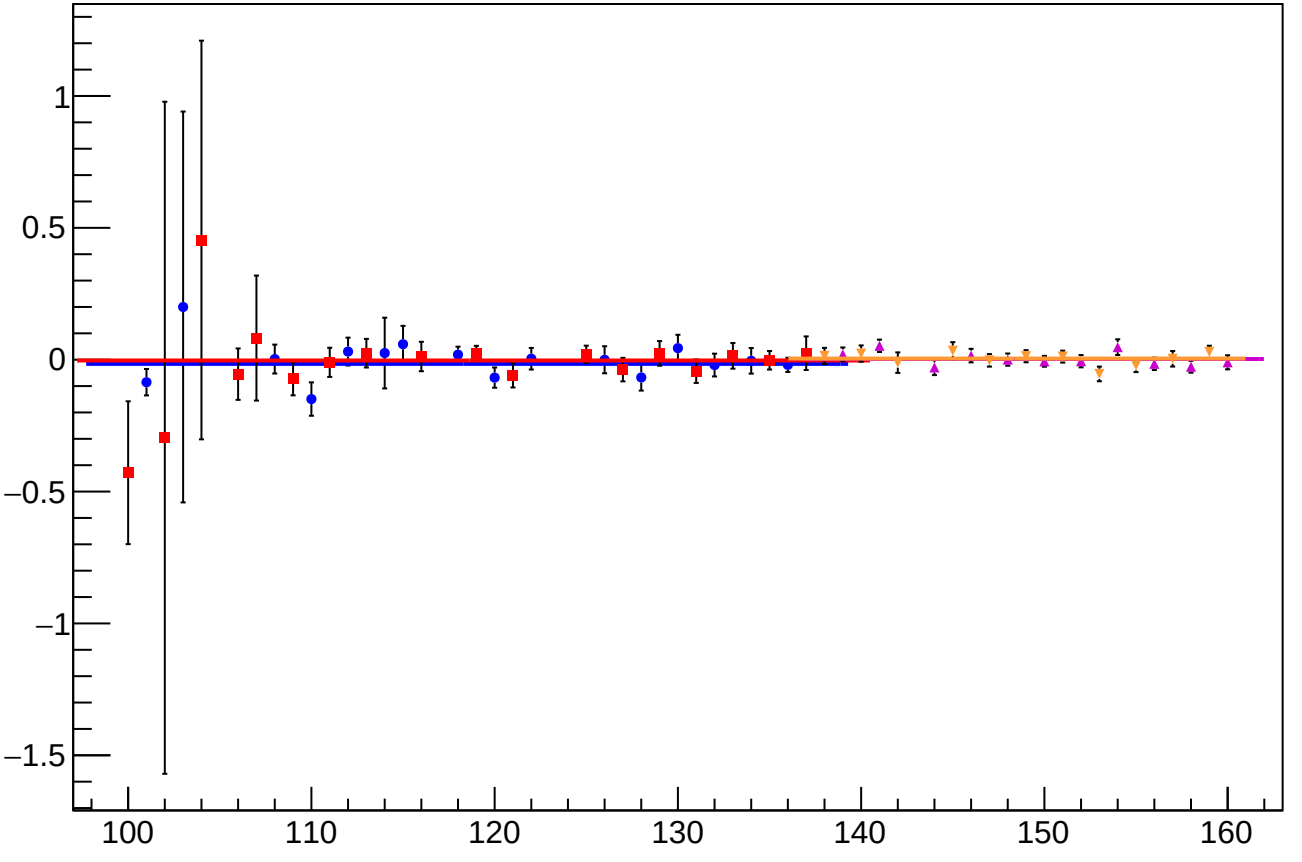
Left In: 0.000+/-0.000 χ^2/NDF:1484345.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 3514223.5/26

All: 0.000+/-0.000 χ^2/NDF: 7892941.0/55

- 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: 0.004+/-0.008 χ^2/NDF:8.4/10

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

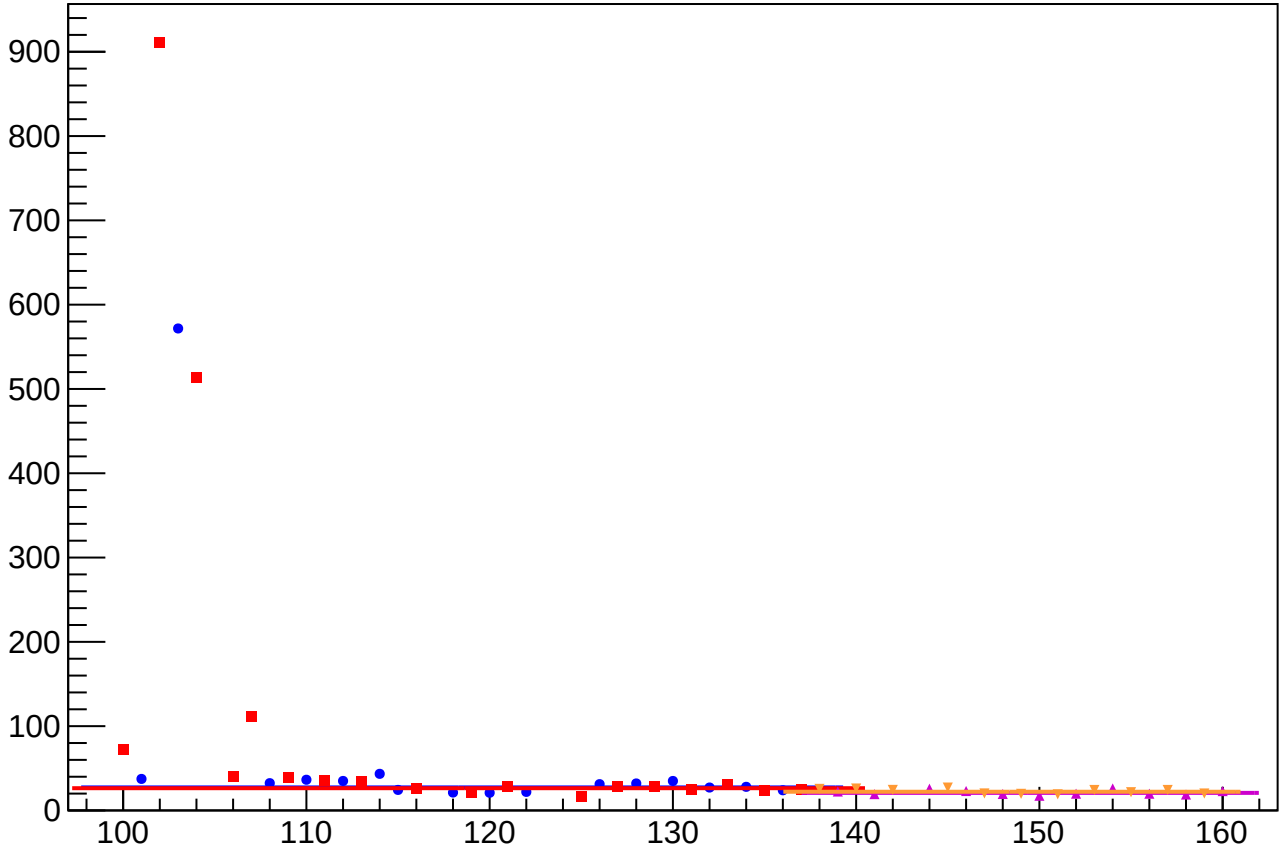
Left In: 0.003+/-0.007 χ^2/NDF:11.6/10

+ sign -0.002+/-0.007 χ^2/NDF: 25.0/26

All: -0.001+/-0.005 χ^2/NDF: 46.7/55

- 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: 22.194+/-0.006 χ^2/NDF:220785.8/10

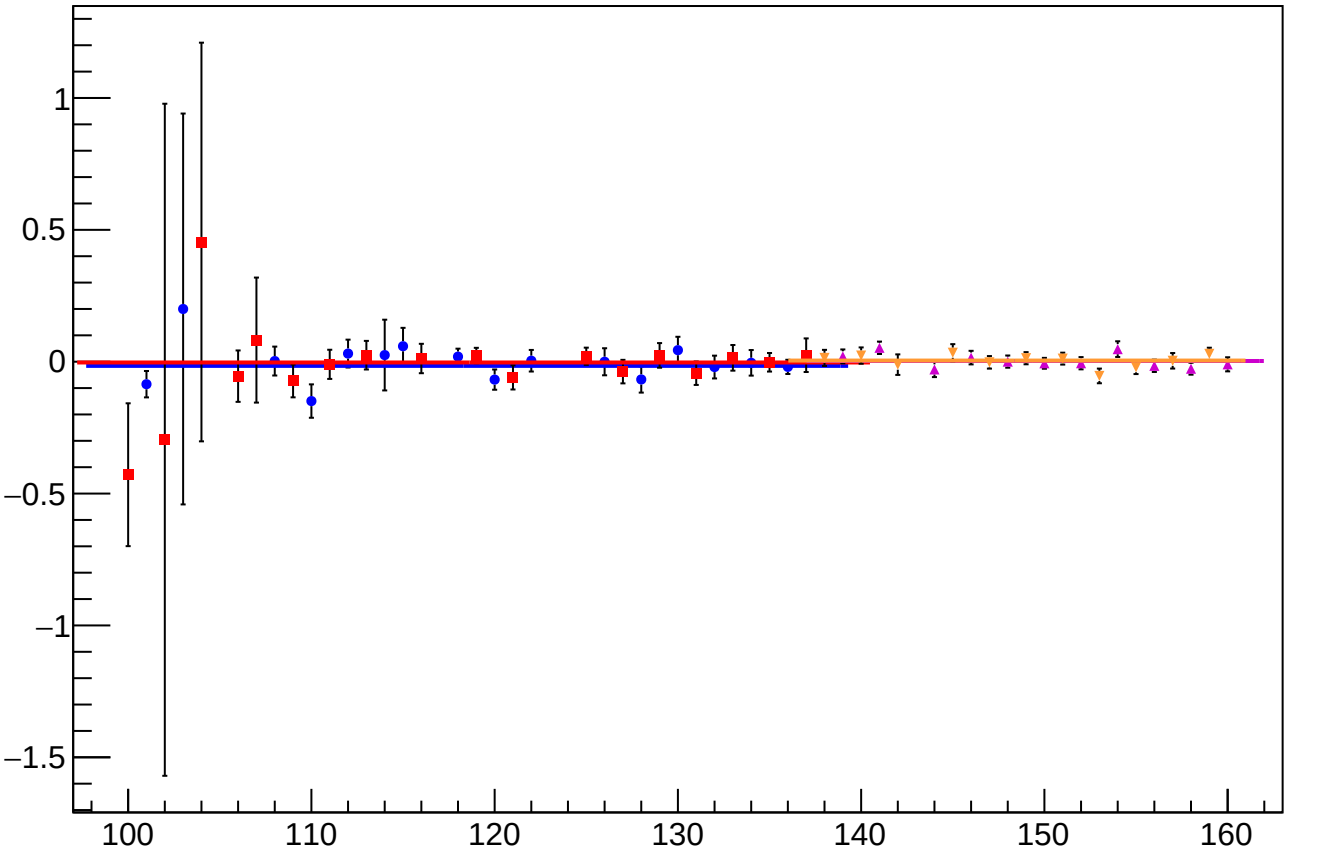
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.852+/-0.005 χ^2/NDF:246567.8/10

+ sign 23.886+/-0.005 χ^2/NDF: 2050664.8/26

All: 23.087+/-0.003 χ^2/NDF: 5275767.6/55

- 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: 0.004+/-0.008 χ^2/NDF:8.4/10

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

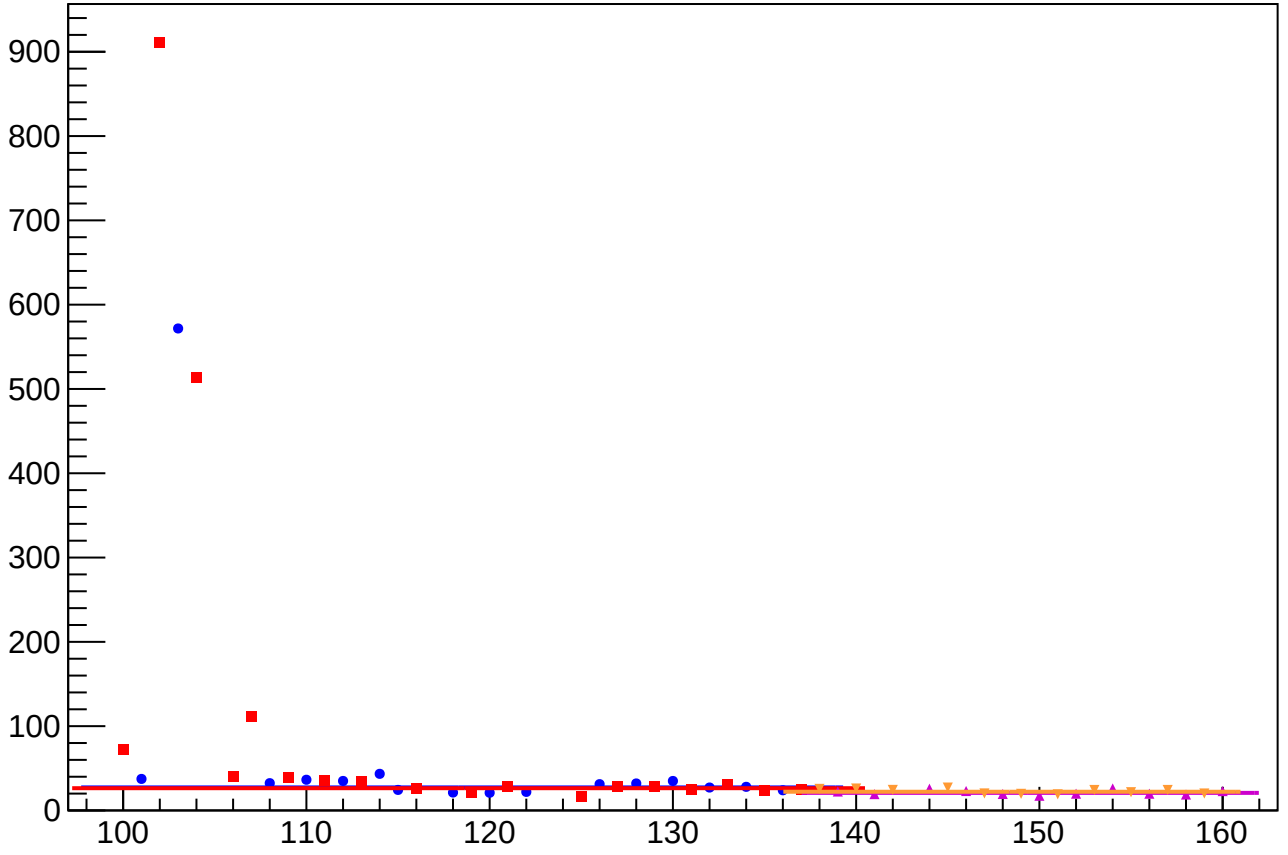
Left In: 0.003+/-0.007 χ^2/NDF:11.6/10

+ sign -0.002+/-0.007 χ^2/NDF: 25.0/26

All: -0.001+/-0.005 χ^2/NDF: 46.7/55

- sign 0.001+/-0.006 χ^2/NDF: 21.6/28

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.194+/-0.006 χ^2/NDF:220785.8/10

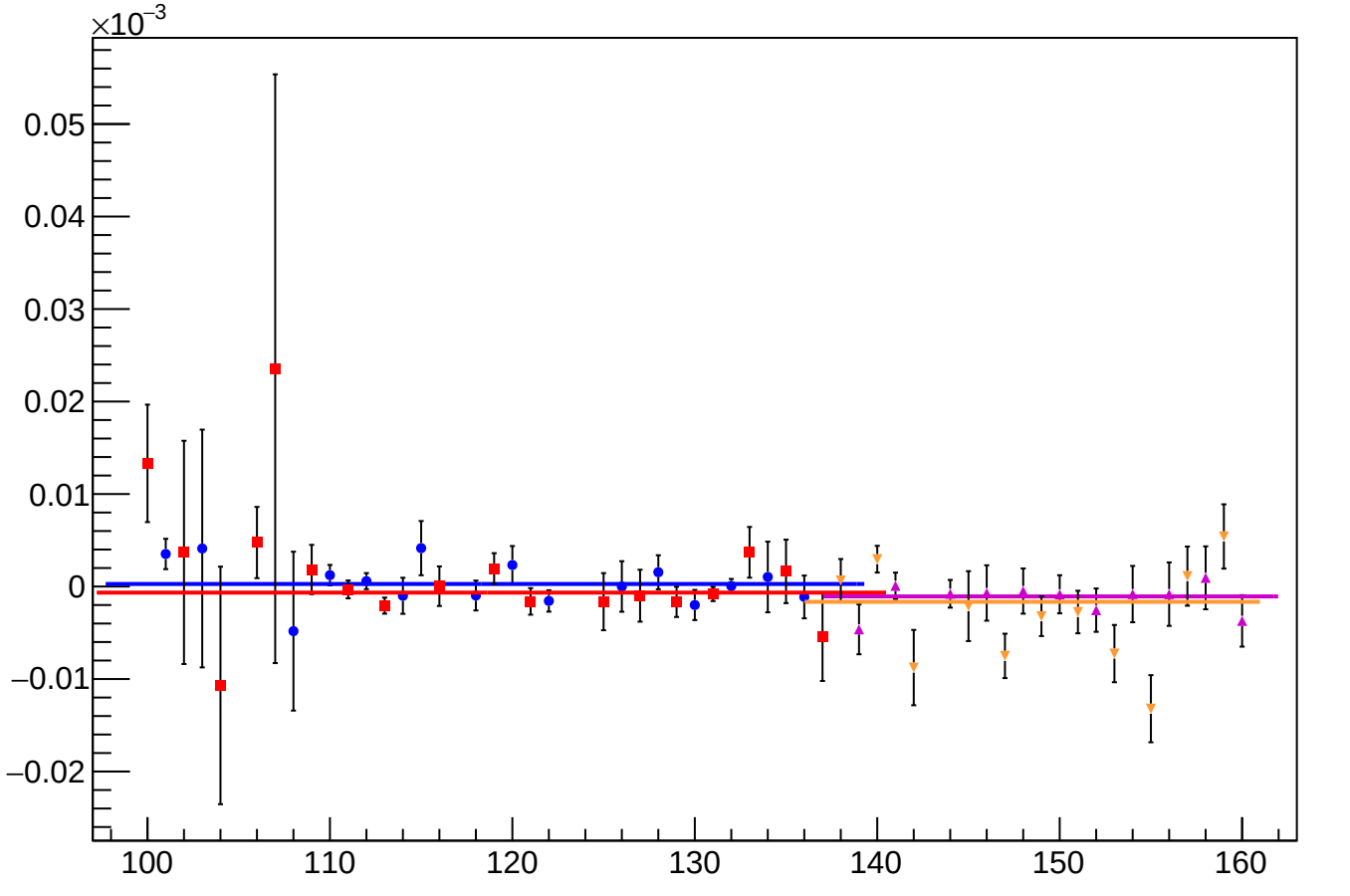
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.852+/-0.005 χ^2/NDF:246567.8/10

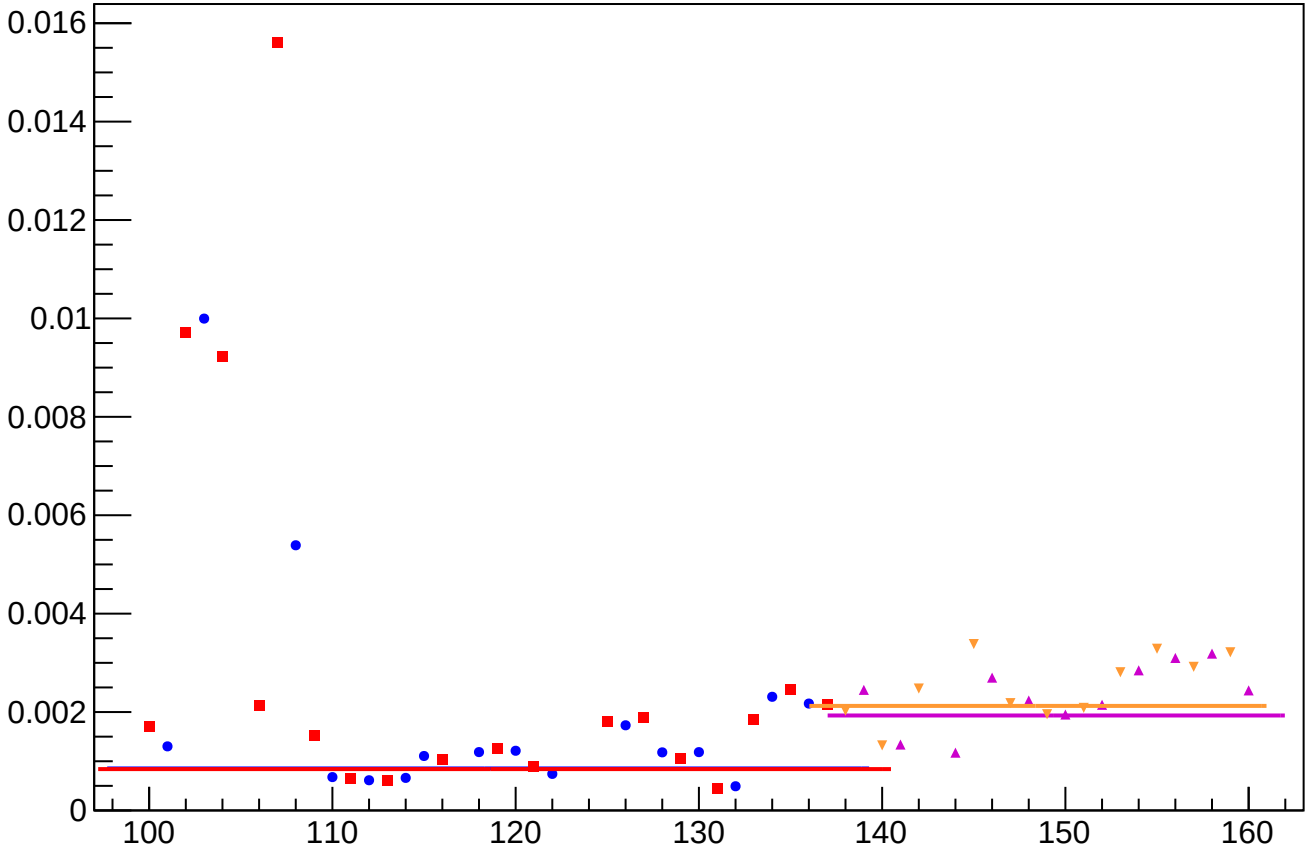
+ sign 23.886+/-0.005 χ^2/NDF: 2050664.8/26

All: 23.087+/-0.003 χ^2/NDF: 5275767.6/55

- 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:39.2/10
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: 58.8/26
All: -0.000+/-0.000 χ²/NDF: 84.4/55
- 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:1492877.4/10

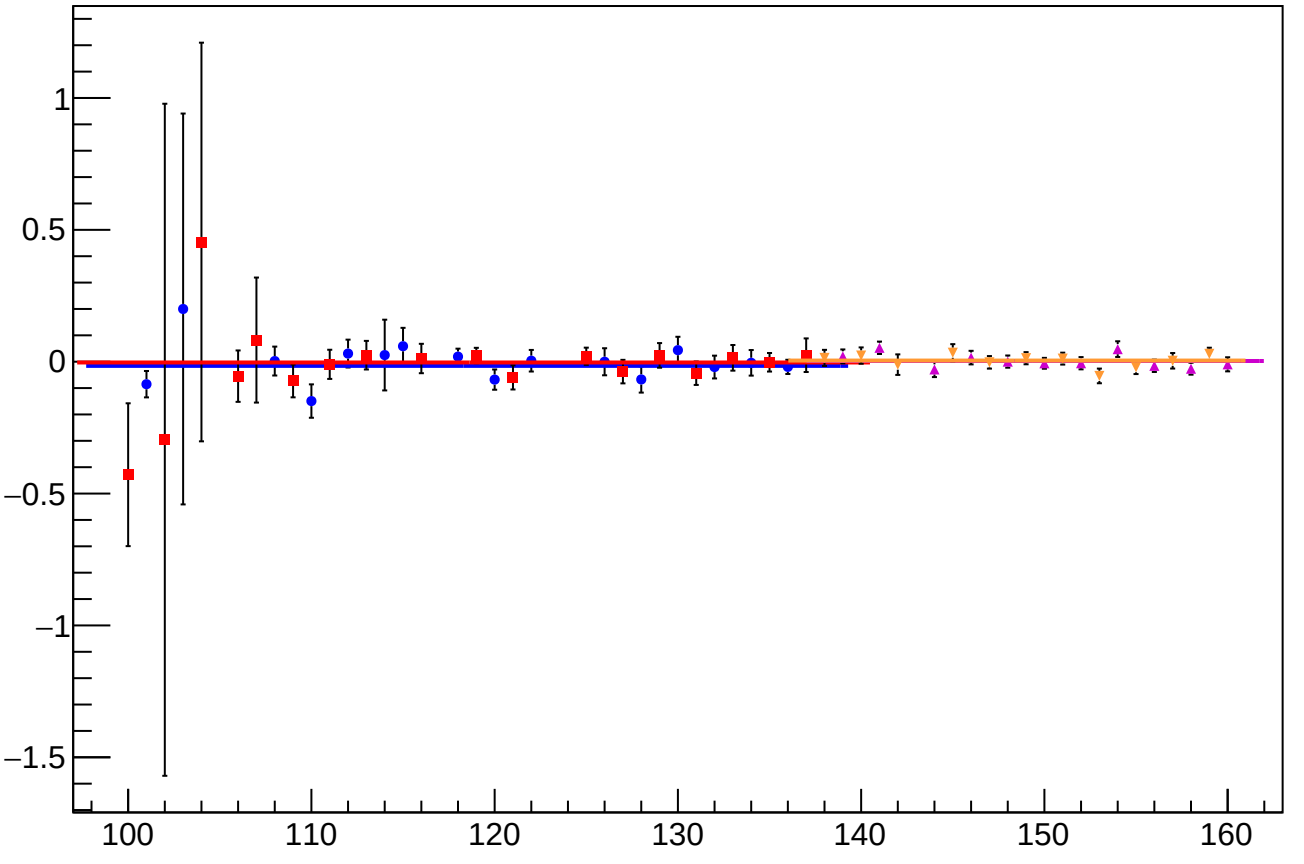
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1860226.1/10

+ sign 0.001+/-0.000 χ^2/NDF: 9864772.0/26

All: 0.001+/-0.000 χ^2/NDF: 20606590.4/55

- 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: 0.004+/-0.008 χ^2/NDF:8.4/10

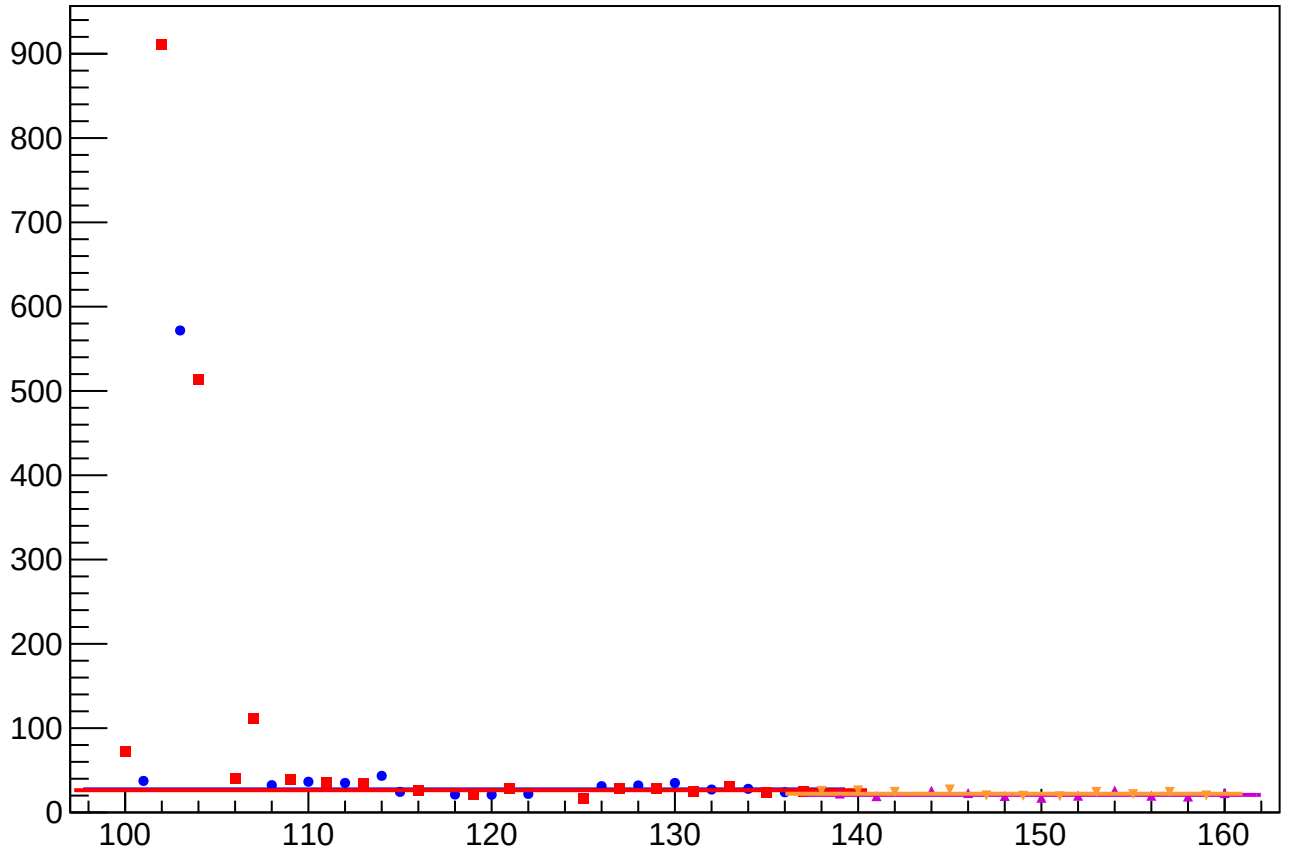
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.003+/-0.007 χ^2/NDF:11.6/10

+ sign -0.002+/-0.007 χ^2/NDF: 25.0/26

All: -0.001+/-0.005 χ^2/NDF: 46.7/55

- 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: 22.194+/-0.006 χ^2/NDF:220755.7/10

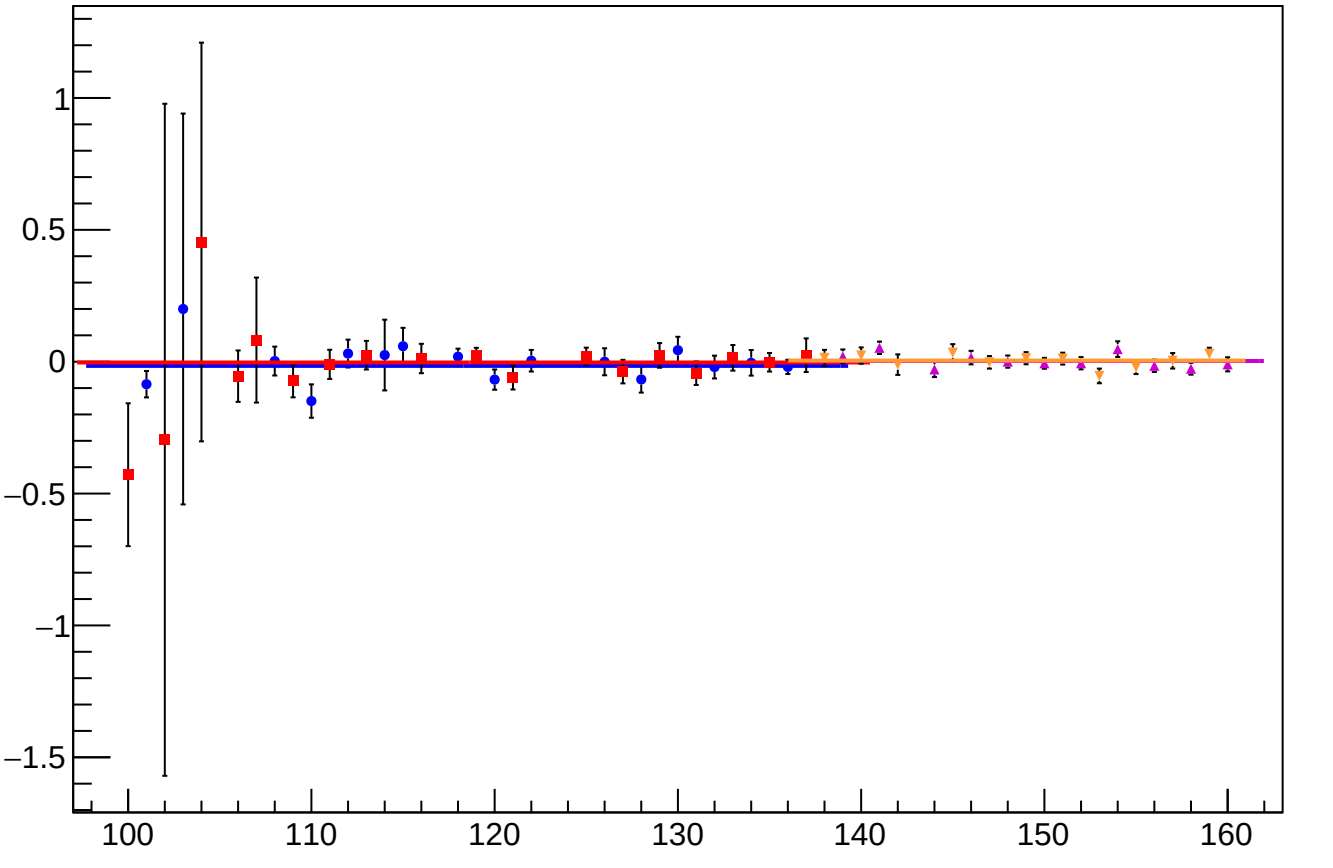
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.852+/-0.005 χ^2/NDF:246583.5/10

+ sign 23.886+/-0.005 χ^2/NDF: 2050632.6/26

All: 23.087+/-0.003 χ^2/NDF: 5275773.3/55

- 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: 0.004+/-0.008 χ^2/NDF:8.4/10

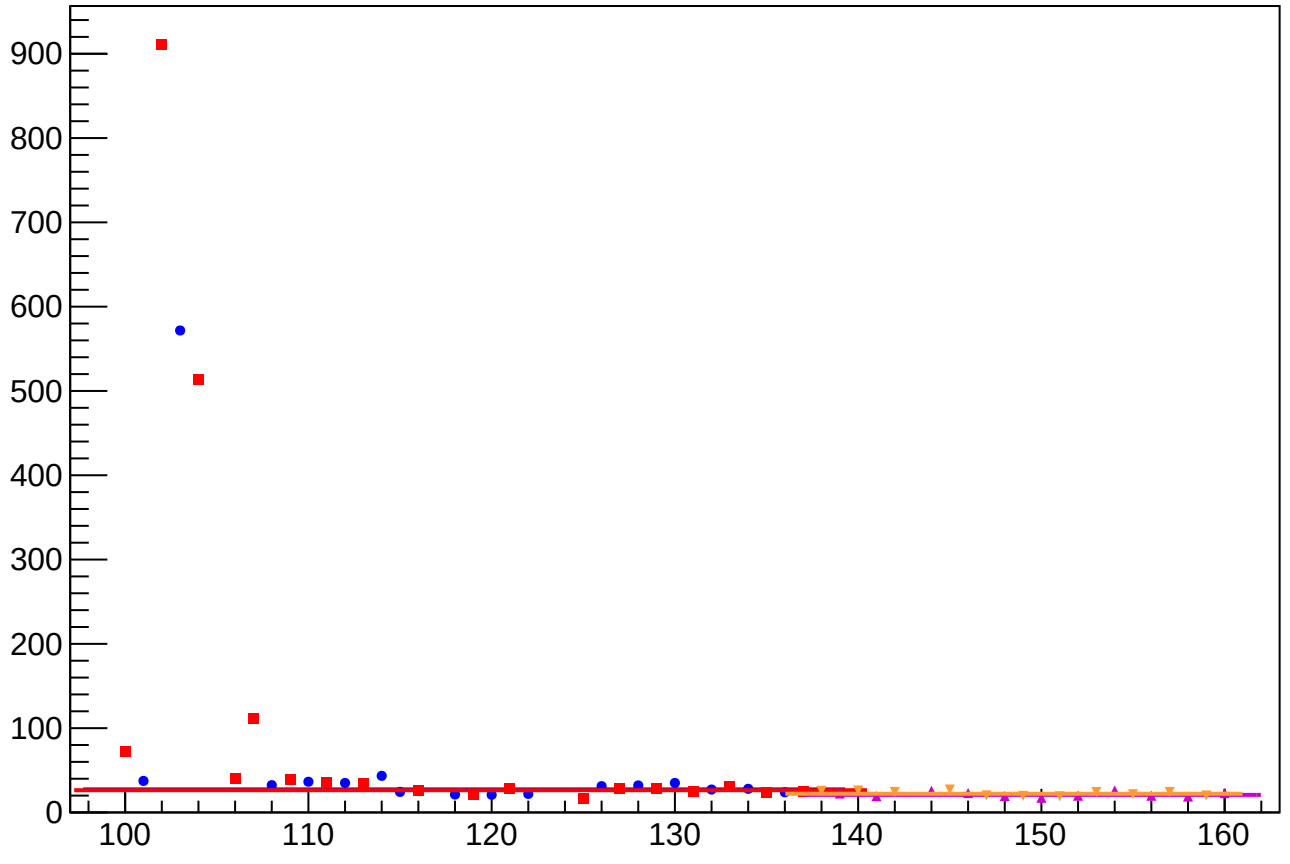
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.003+/-0.007 χ^2/NDF:11.6/10

+ sign -0.002+/-0.007 χ^2/NDF: 25.0/26

All: -0.001+/-0.005 χ^2/NDF: 46.7/55

- 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: 22.194+/-0.006 χ^2/NDF:220755.7/10

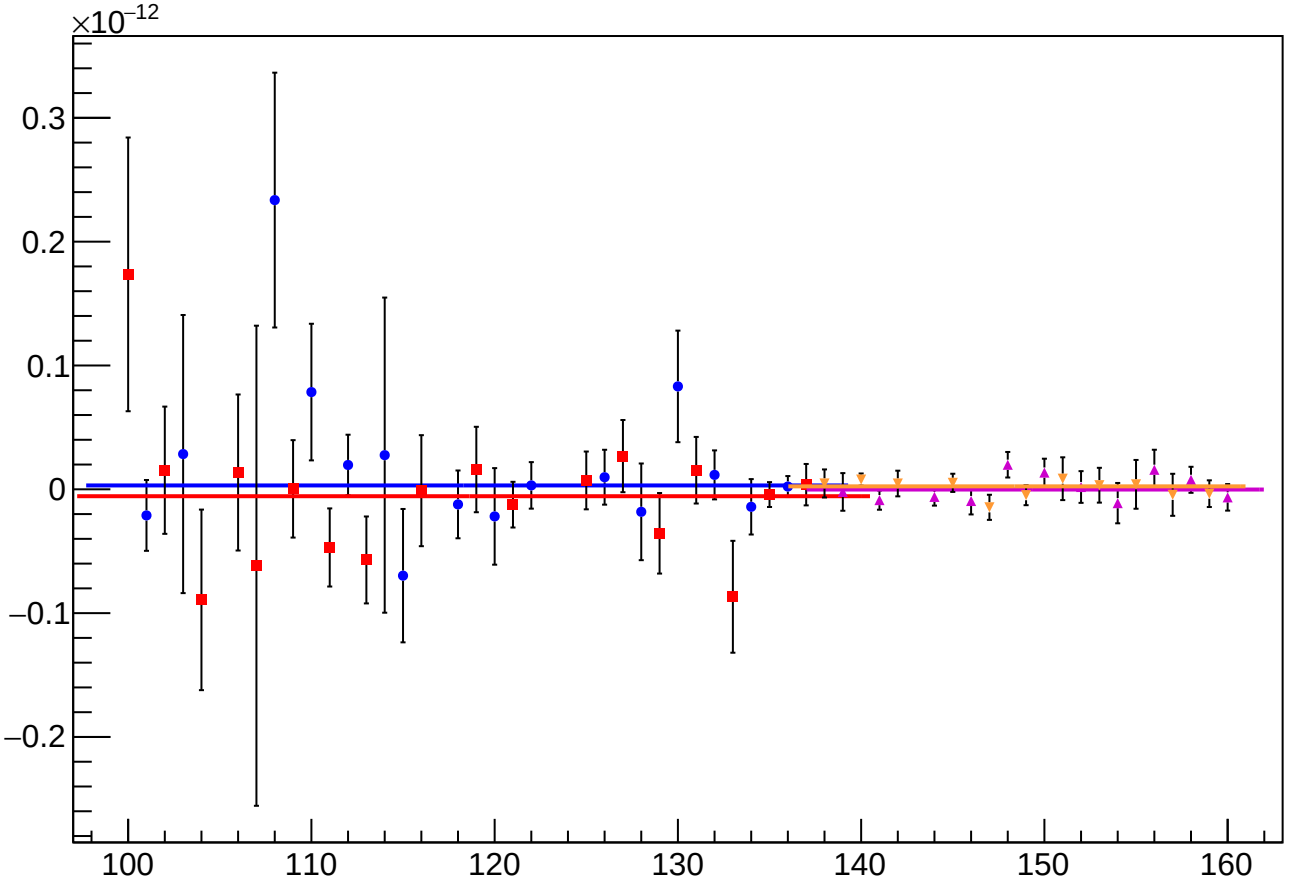
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.852+/-0.005 χ^2/NDF:246583.5/10

+ sign 23.886+/-0.005 χ^2/NDF: 2050632.6/26

All: 23.087+/-0.003 χ^2/NDF: 5275773.3/55

- 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:5.6/10

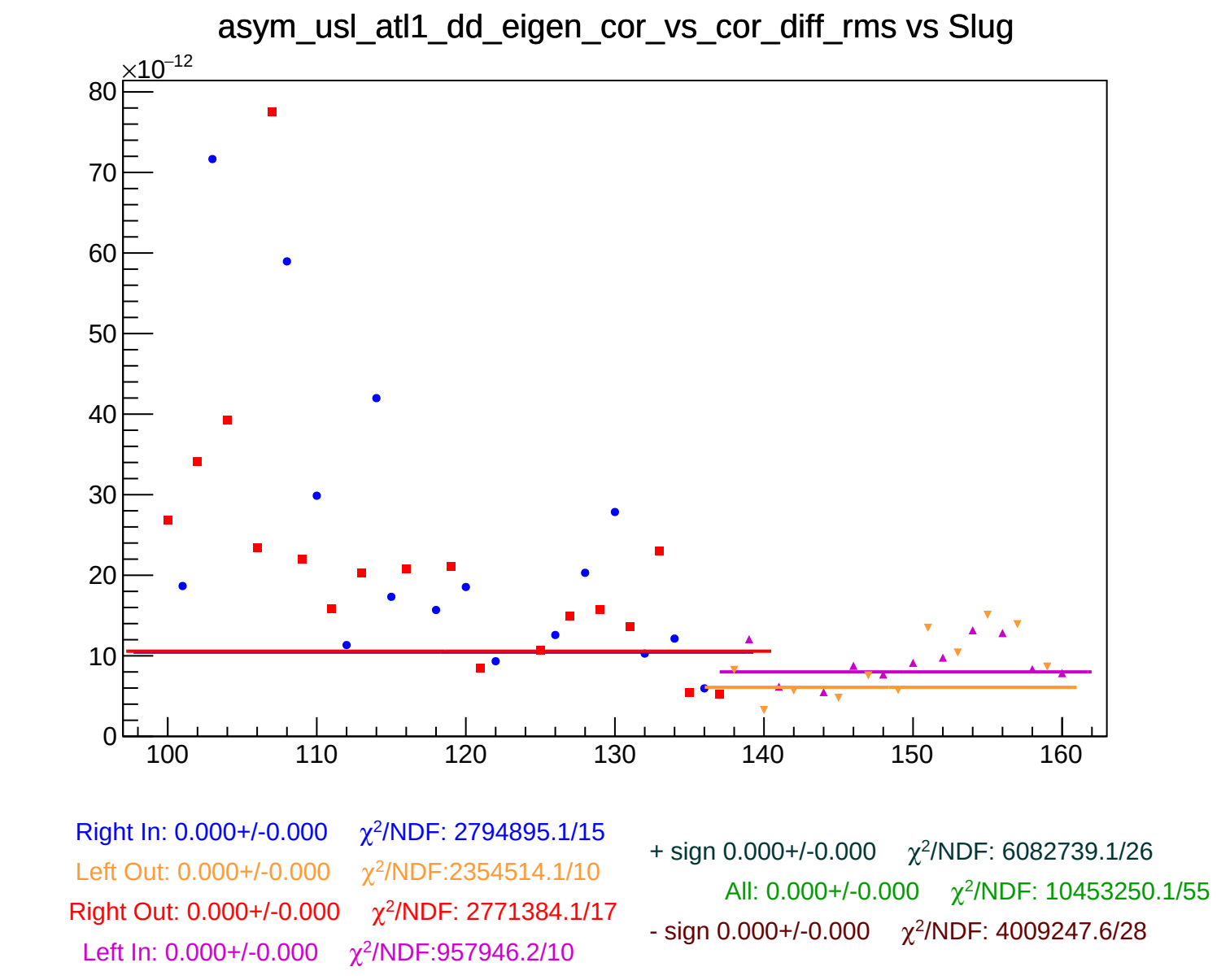
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:10.3/10

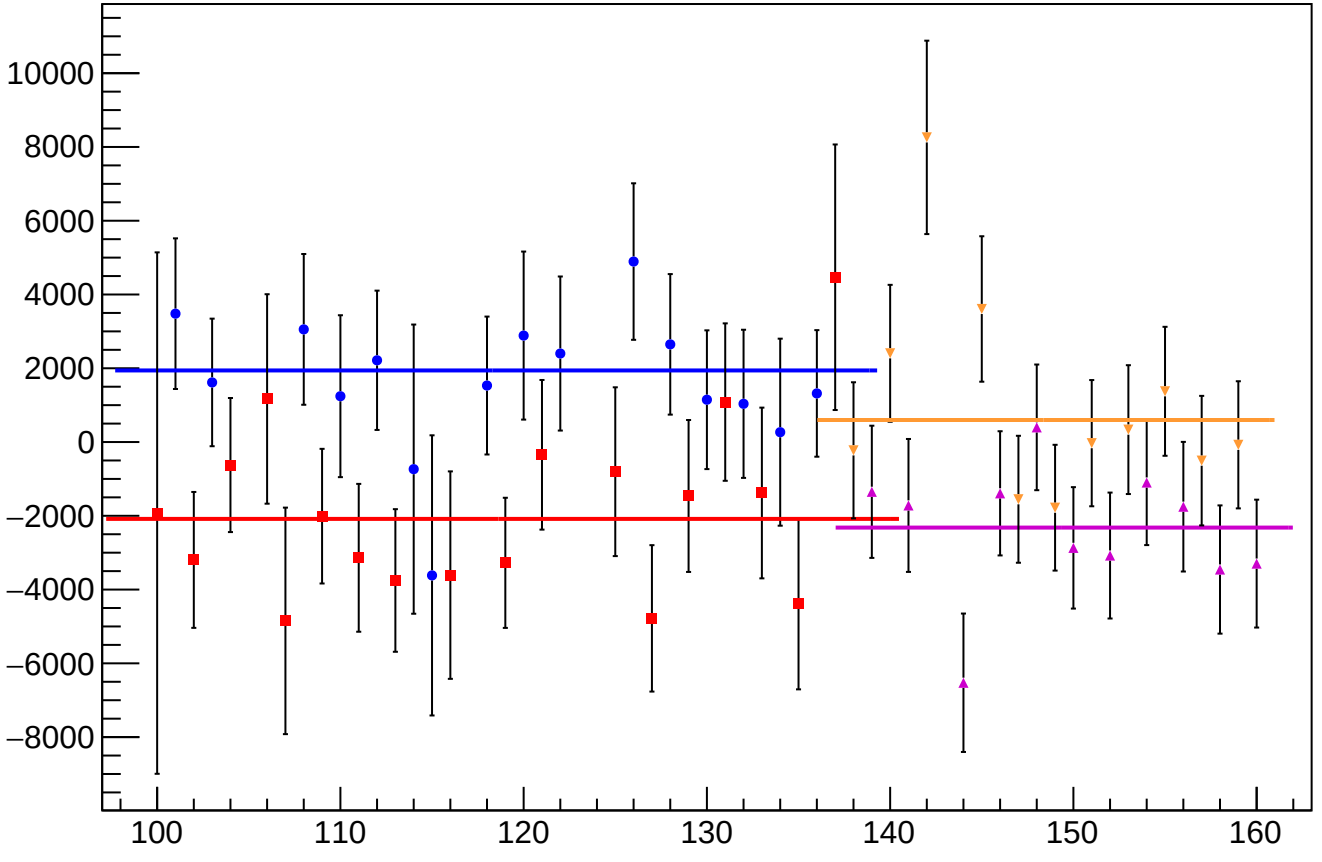
+ sign 0.000+/-0.000 χ^2/NDF: 20.7/26

All: 0.000+/-0.000 χ^2/NDF: 47.9/55

- 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:2354514.1/10
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: 6082739.1/26
All: 0.000+/-0.000 χ²/NDF: 10453250.1/55
- 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: 597.419+/-548.358 χ^2/NDF:16.4/10

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

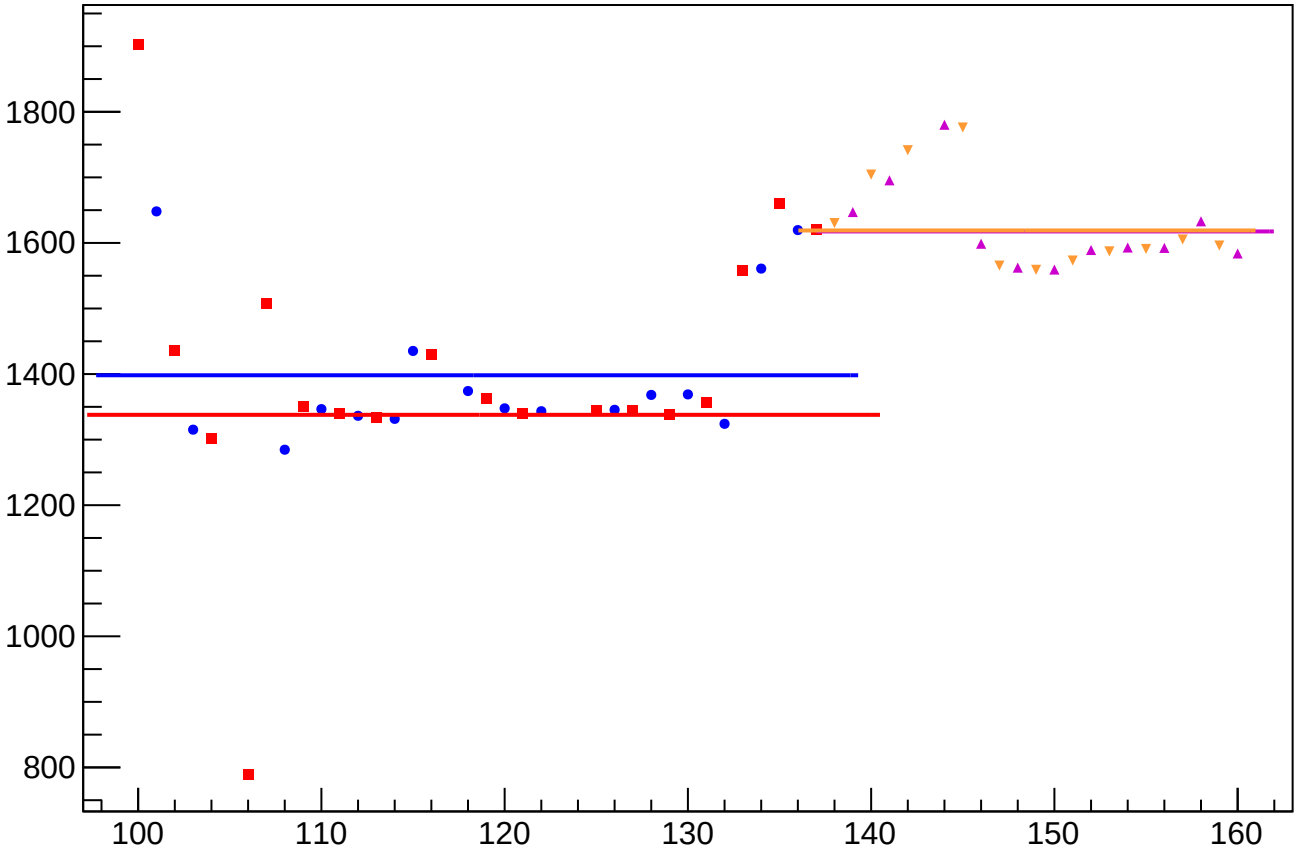
Left In: -2319.543+/-523.582 χ^2/NDF:10.0/10

+ sign 1302.039+/-378.151 χ^2/NDF: 26.5/26

All: -493.215+/-264.027 χ^2/NDF: 95.0/55

- 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: 1619.025+/-0.388 χ^2/NDF:28858.6/10

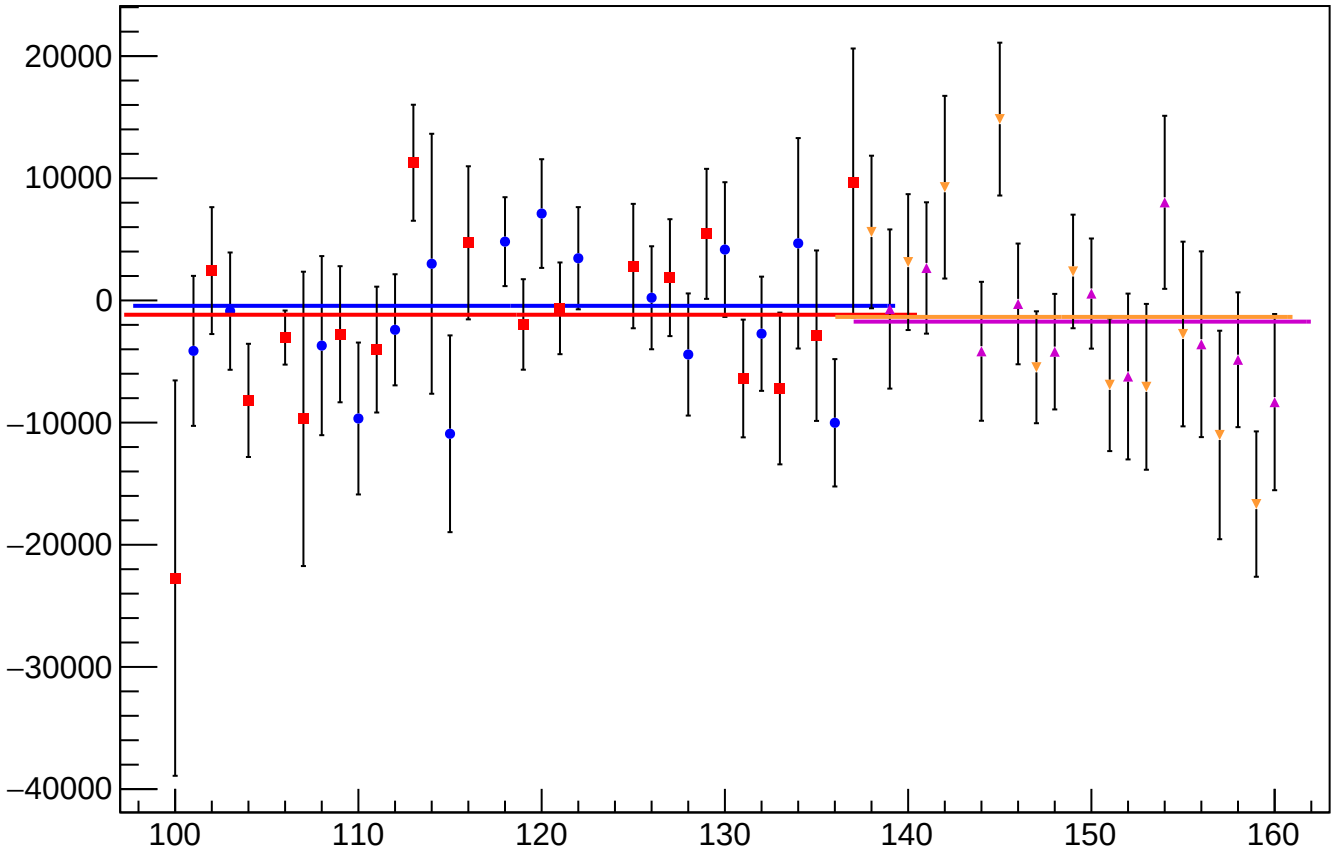
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1617.535+/-0.370 χ^2/NDF:26461.8/10

+ sign 1503.194+/-0.267 χ^2/NDF: 292939.2/26

All: 1487.038+/-0.185 χ^2/NDF: 940836.8/55

- 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: -1348.871+/-1794.689 χ^2/NDF:21.8/10

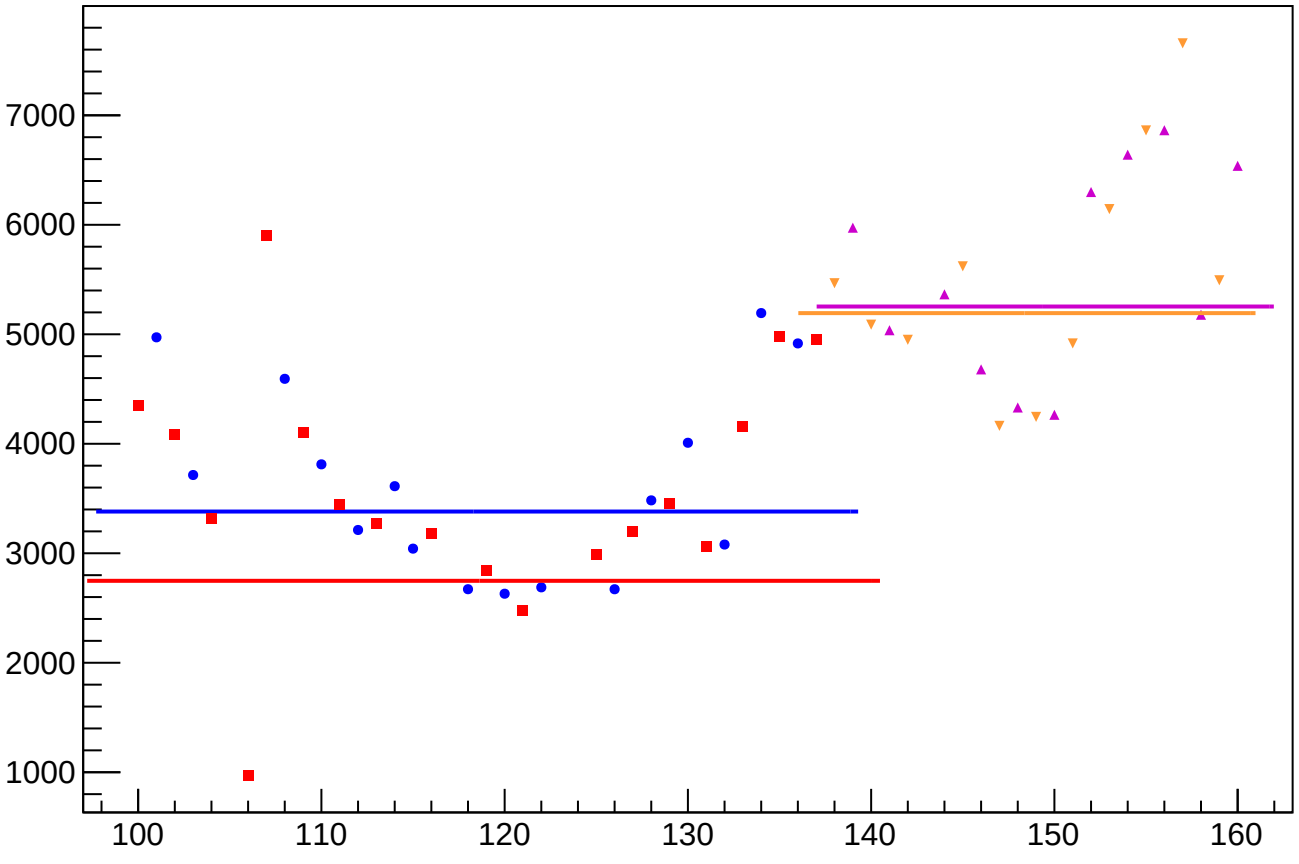
Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: -1736.265+/-1727.747 χ^2/NDF:5.0/10

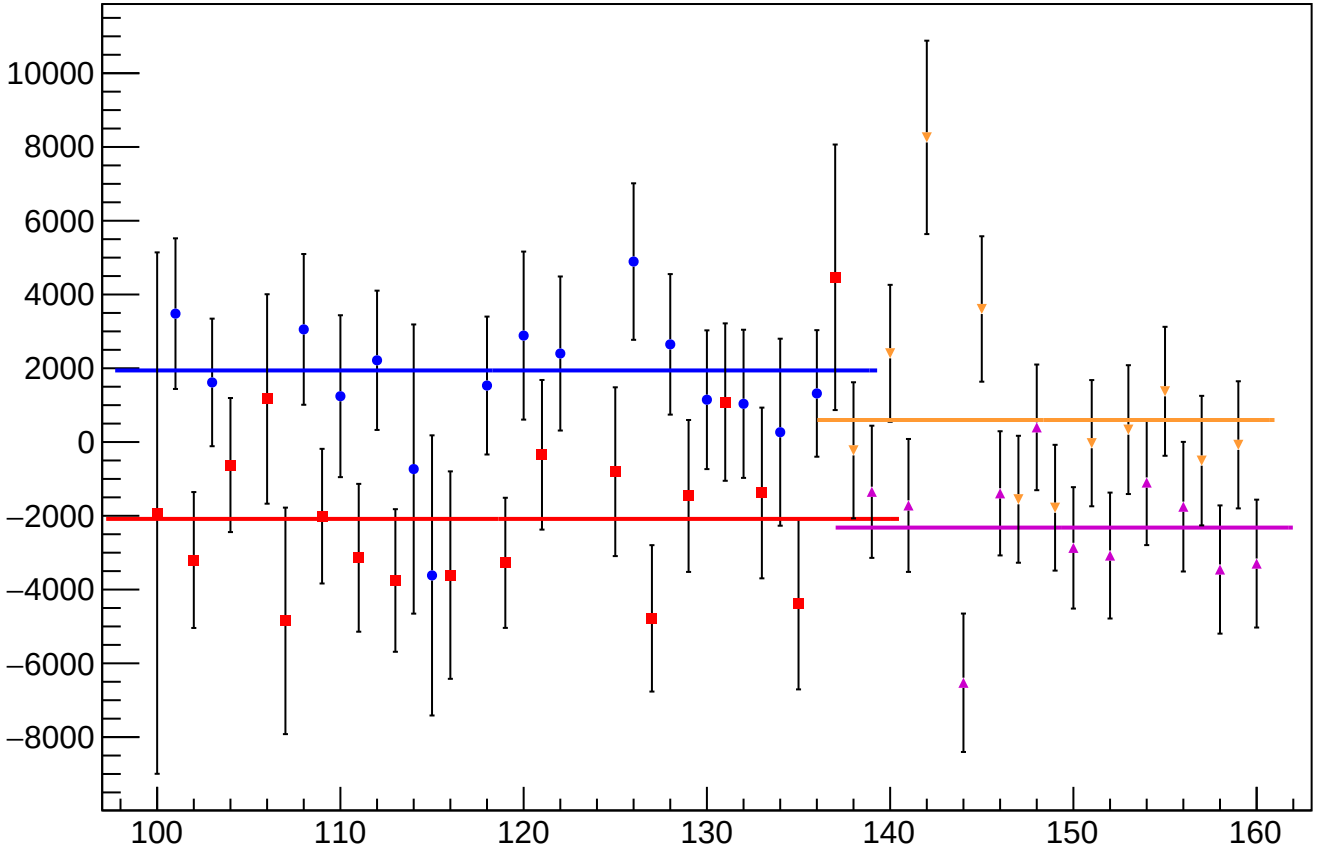
+ sign -752.229+/-1050.641 χ^2/NDF: 37.8/26

All: -1077.992+/-700.437 χ^2/NDF: 62.8/55

- sign -1338.615+/-939.745 χ^2/NDF: 24.8/28


asym_usl_atl2_avg_reg_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 3381.117+/-0.916 χ²/NDF: 757146.6/15
Left Out: 5193.293+/-1.269 χ²/NDF:513878.0/10
Right Out: 2748.372+/-0.792 χ²/NDF: 2264563.8/17
Left In: 5253.635+/-1.222 χ²/NDF:505468.2/10
+ sign 4002.173+/-0.743 χ²/NDF: 2611341.6/26
All: 3717.380+/-0.495 χ²/NDF: 8606949.8/55
- sign 3489.535+/-0.665 χ²/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: 597.484+/-548.358 χ^2/NDF:16.4/10

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

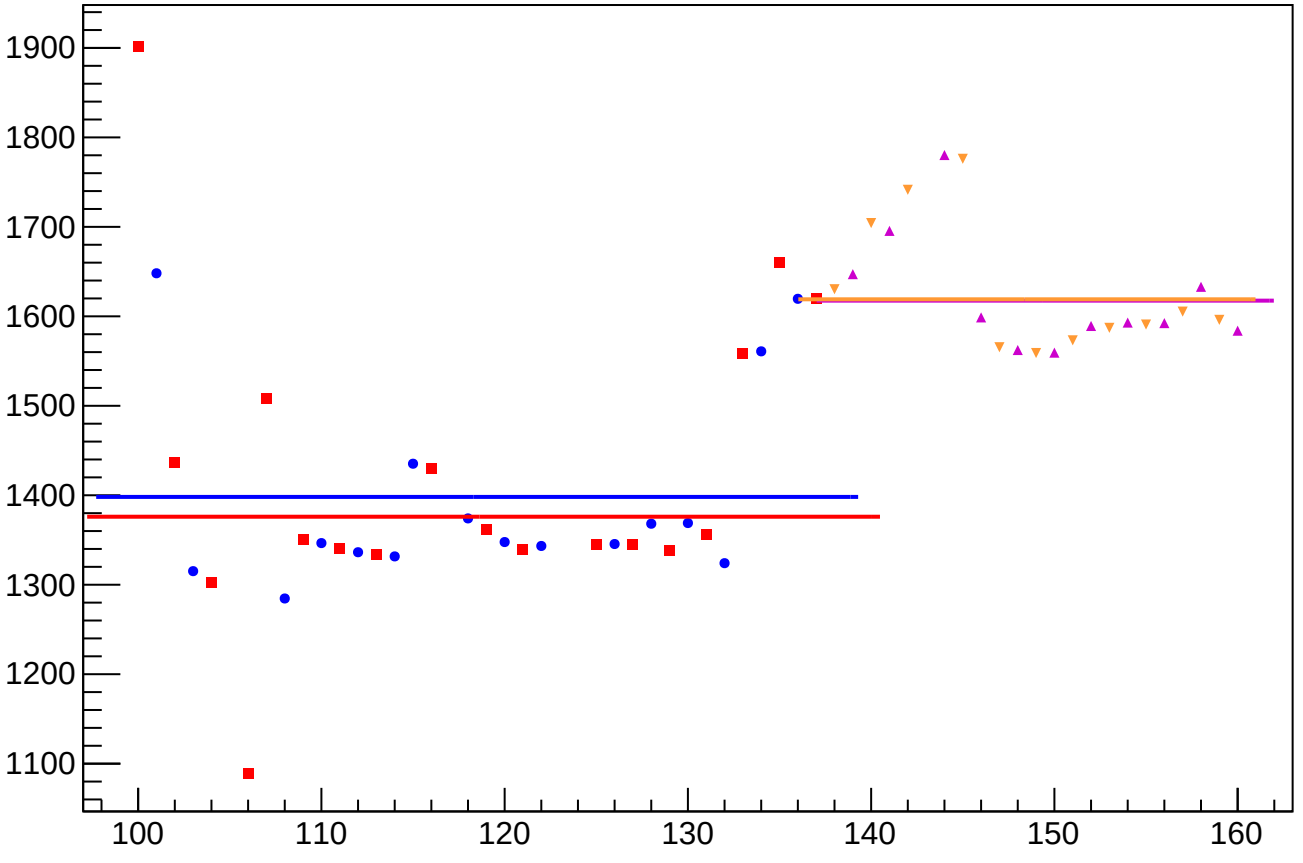
Left In: -2319.642+/-523.582 χ^2/NDF:10.0/10

+ sign 1302.099+/-378.151 χ^2/NDF: 26.5/26

All: -493.261+/-264.028 χ^2/NDF: 95.0/55

- 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: 1619.025+/-0.388 χ^2/NDF:28858.6/10

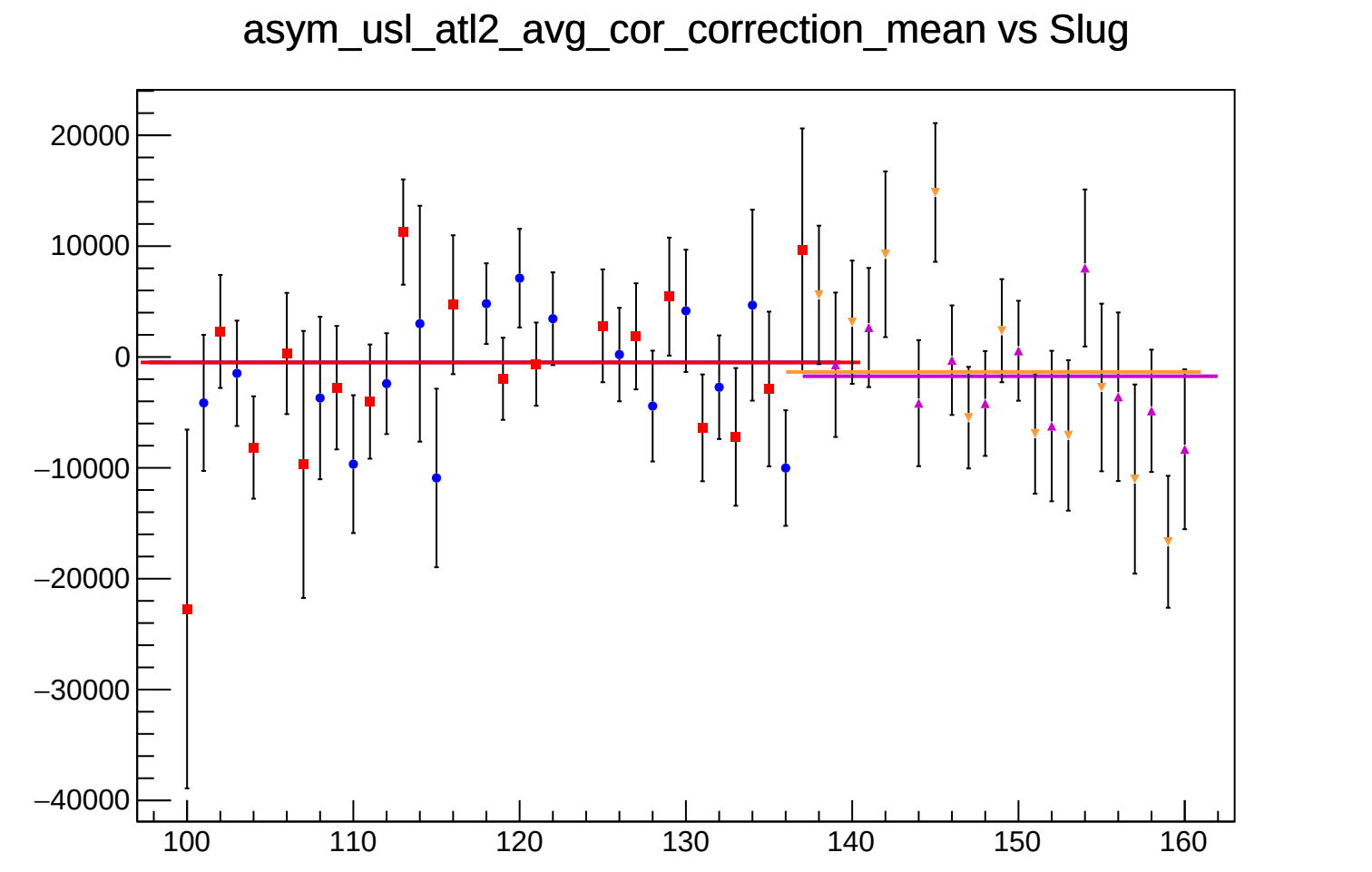
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1617.535+/-0.370 χ^2/NDF:26461.8/10

+ sign 1503.194+/-0.267 χ^2/NDF: 292939.3/26

All: 1498.573+/-0.186 χ^2/NDF: 651261.5/55

- 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: -1348.931+/-1794.690 χ^2/NDF:21.8/10

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

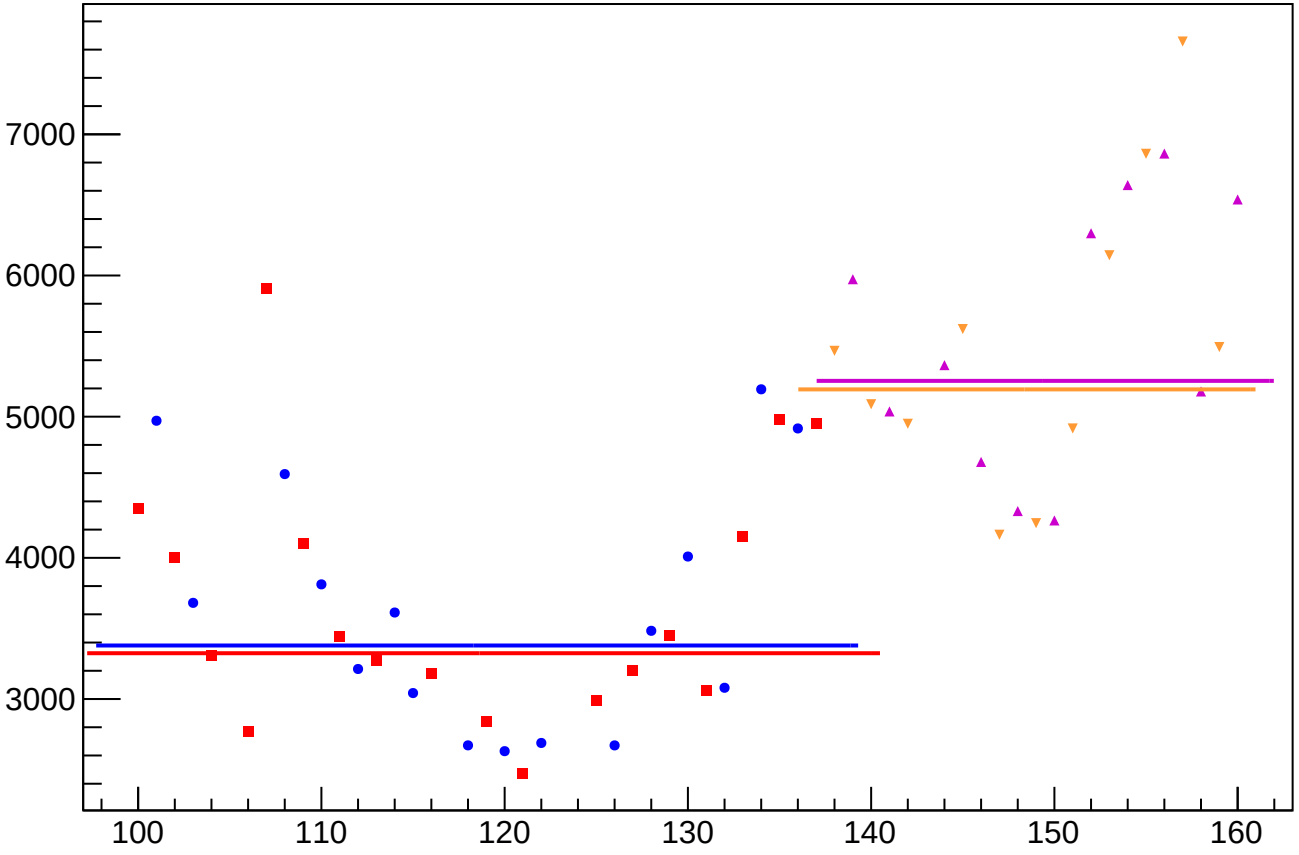
Left In: -1736.389+/-1727.745 χ^2/NDF:5.0/10

+ sign -781.812+/-1050.116 χ^2/NDF: 37.9/26

All: -854.242+/-731.195 χ^2/NDF: 62.0/55

- 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: 5193.296+/-1.269 χ^2/NDF:513876.7/10

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

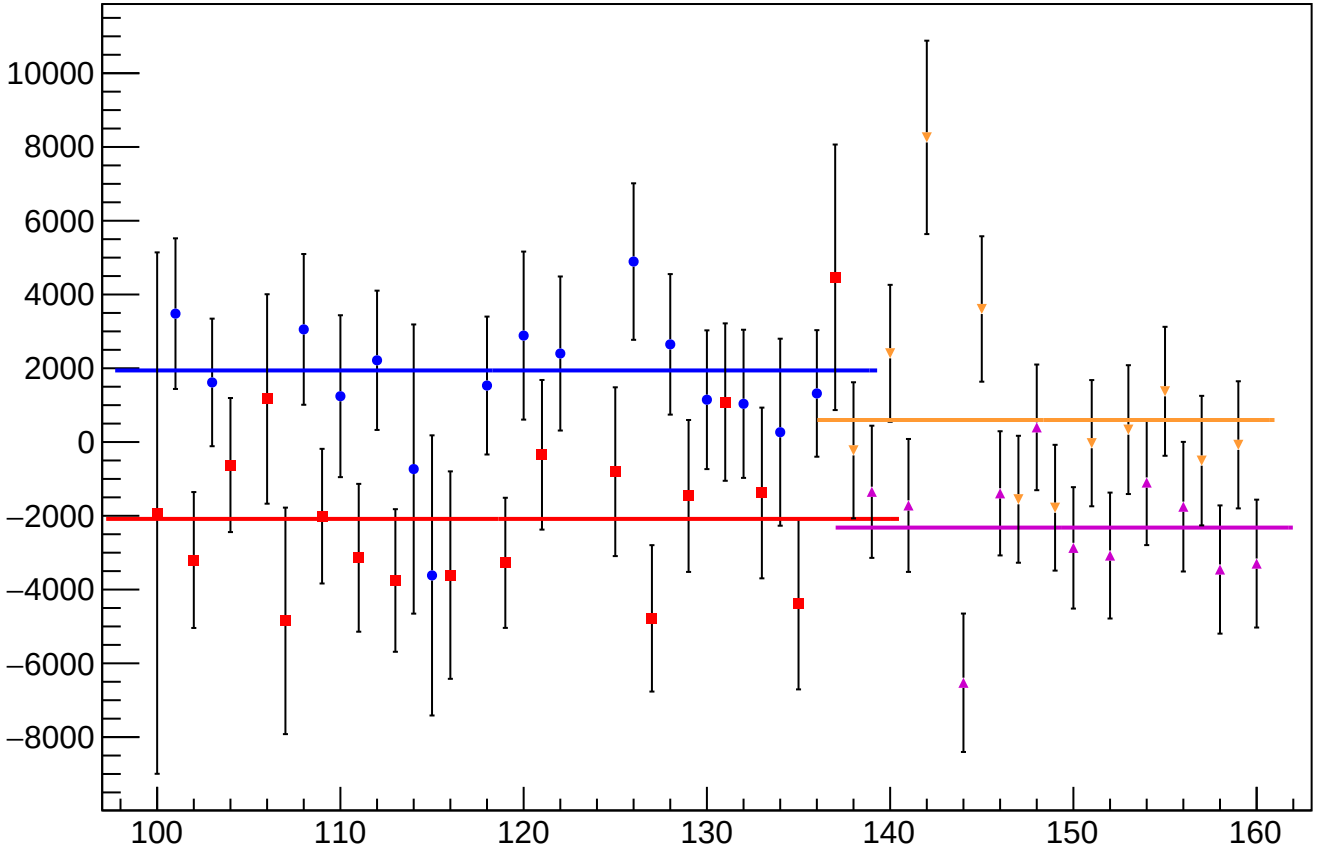
Left In: 5253.631+/-1.222 χ^2/NDF:505476.2/10

+ sign 4000.233+/-0.743 χ^2/NDF: 2613207.7/26

All: 3997.617+/-0.517 χ^2/NDF: 5289148.8/55

- 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: 597.484+/-548.358 χ^2/NDF:16.4/10

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

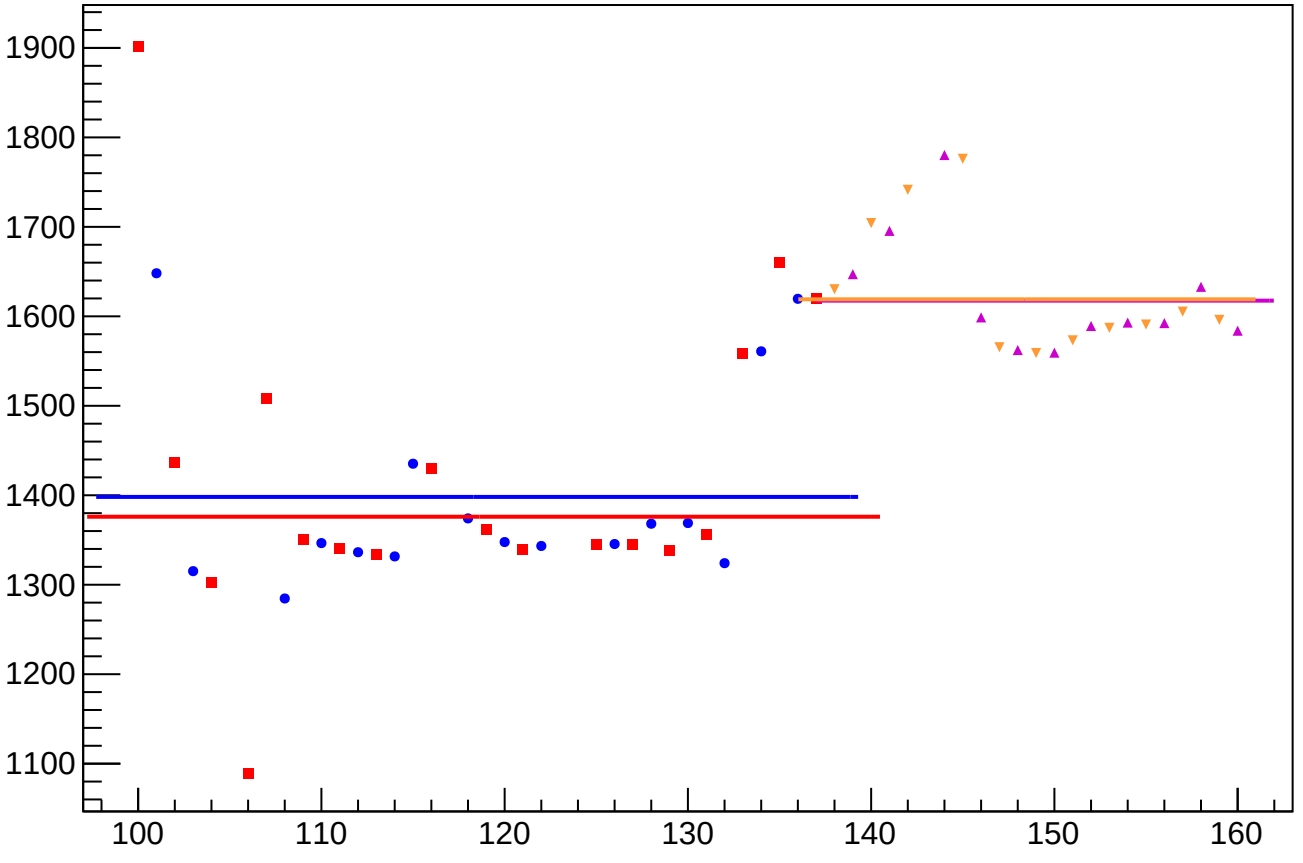
Left In: -2319.642+/-523.582 χ^2/NDF:10.0/10

+ sign 1302.099+/-378.151 χ^2/NDF: 26.5/26

All: -493.261+/-264.028 χ^2/NDF: 95.0/55

- 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: 1619.025+/-0.388 χ^2/NDF:28858.6/10

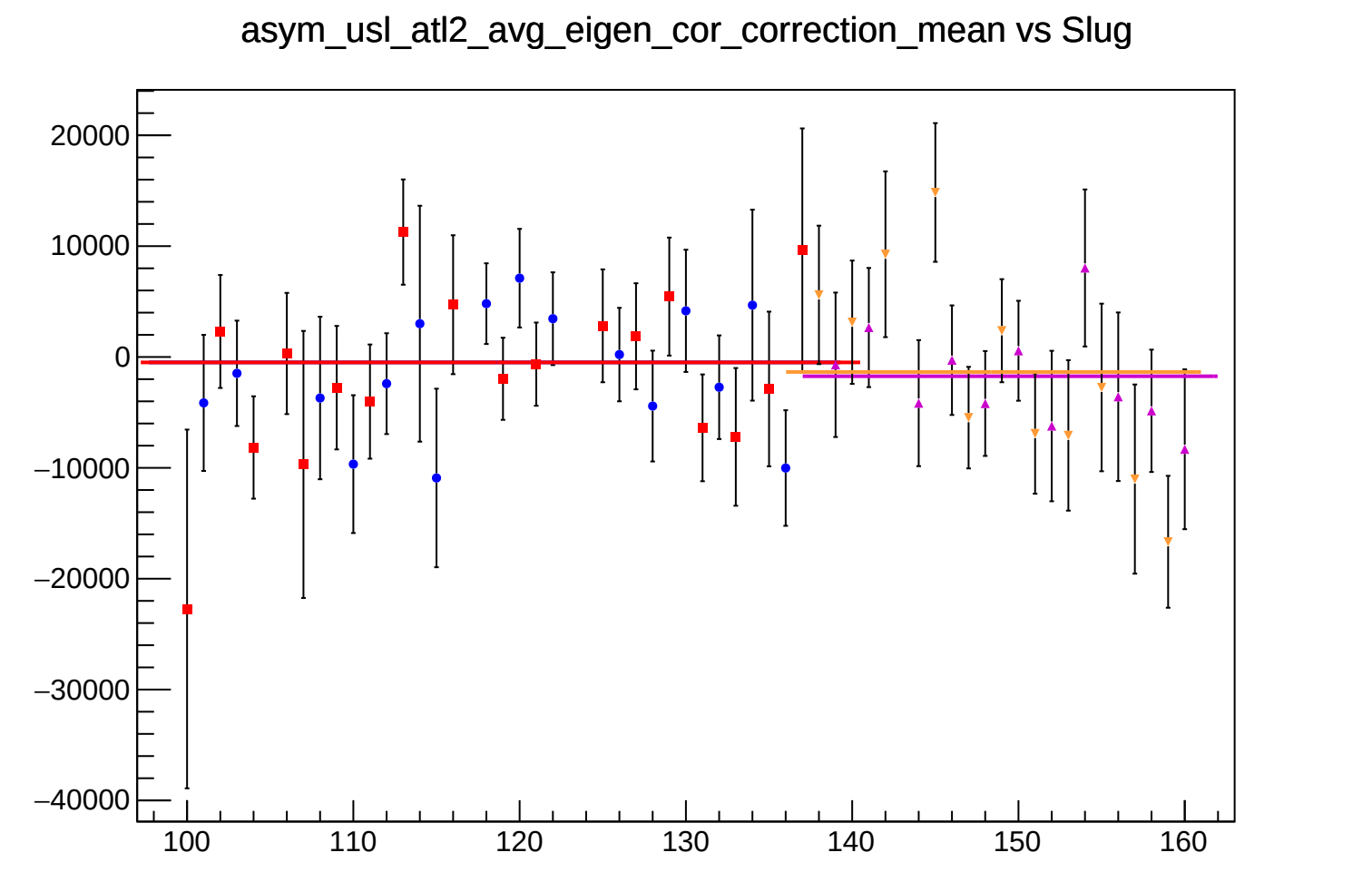
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1617.535+/-0.370 χ^2/NDF:26461.8/10

+ sign 1503.194+/-0.267 χ^2/NDF: 292939.3/26

All: 1498.573+/-0.186 χ^2/NDF: 651261.5/55

- 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: -1348.931+/-1794.690 χ^2/NDF:21.8/10

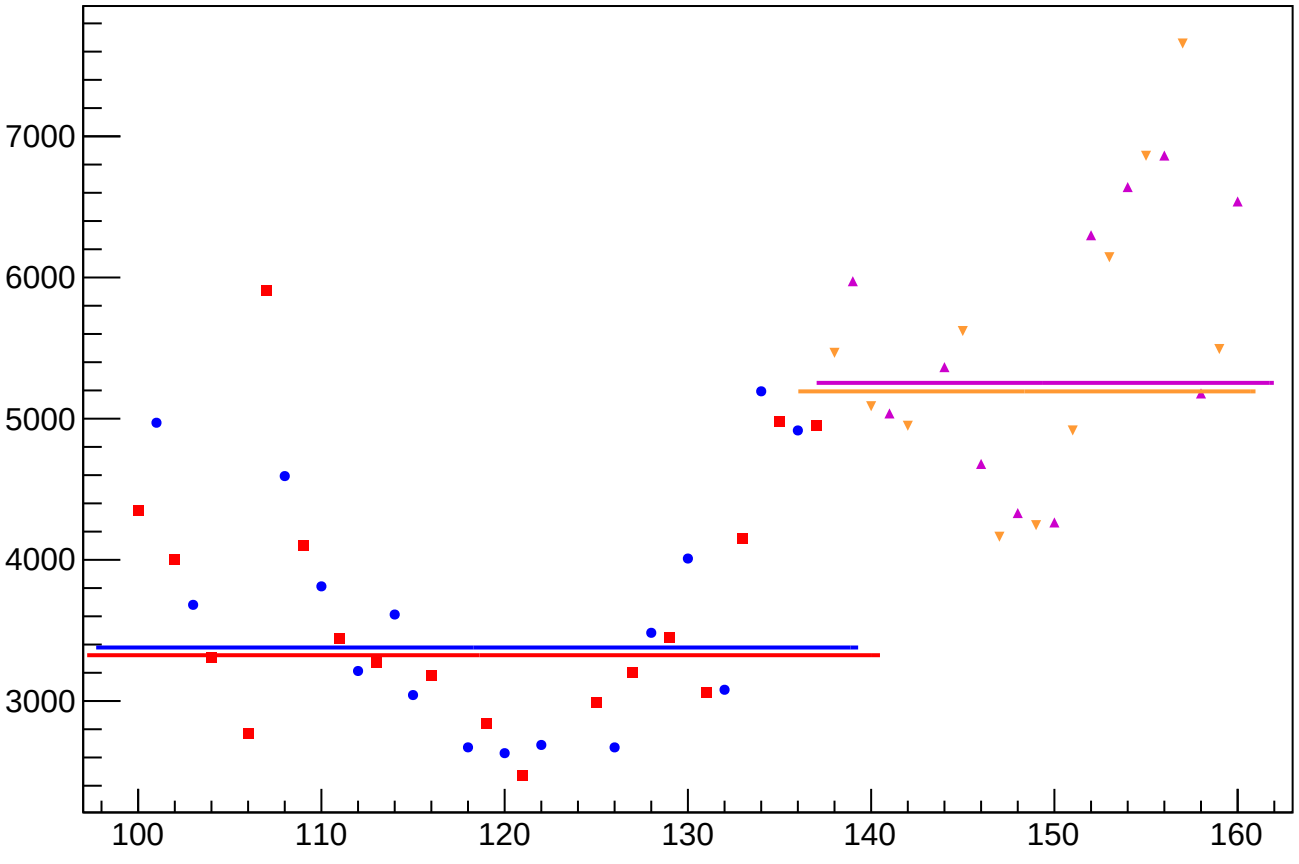
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1736.389+/-1727.745 χ^2/NDF:5.0/10

+ sign -781.812+/-1050.116 χ^2/NDF: 37.9/26

All: -854.242+/-731.195 χ^2/NDF: 62.0/55

- 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: 5193.296+/-1.269 χ^2/NDF:513876.7/10

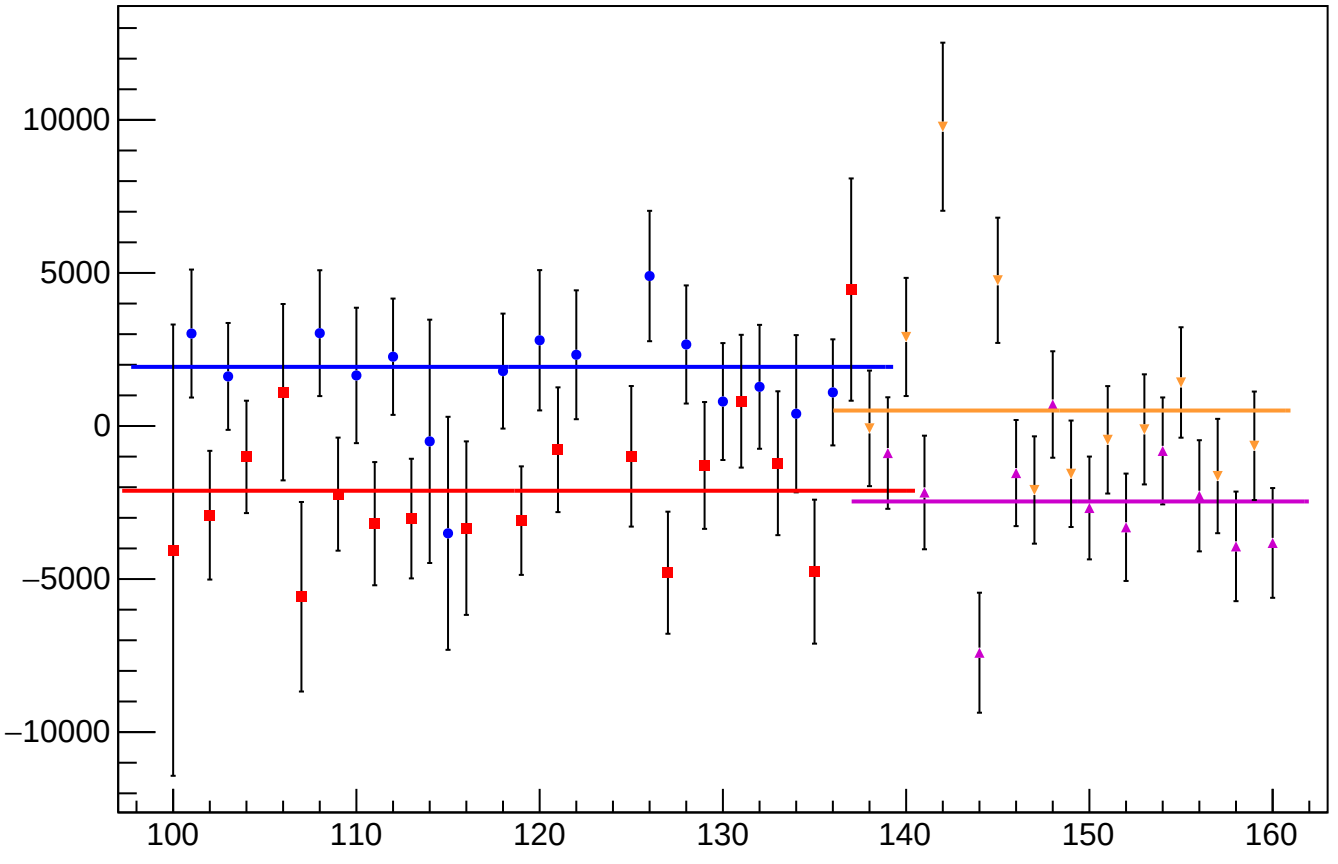
Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5253.631+/-1.222 χ^2/NDF:505476.2/10

+ sign 4000.233+/-0.743 χ^2/NDF: 2613207.7/26

All: 3997.617+/-0.517 χ^2/NDF: 5289148.8/55

- sign 3995.156+/-0.720 χ^2/NDF: 2675917.0/28



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 505.348+/-565.878 χ^2/NDF:23.4/10

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

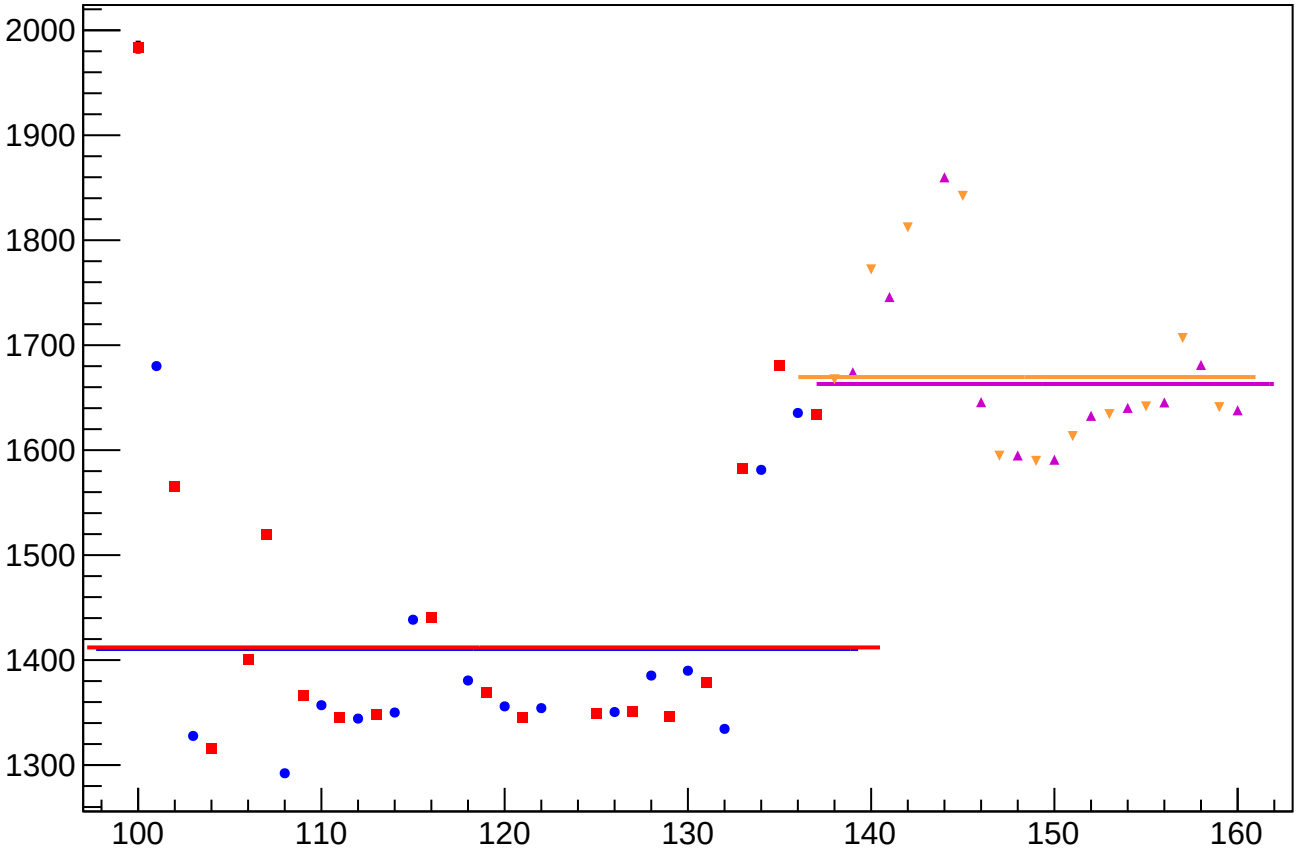
Left In: -2465.129+/-538.435 χ^2/NDF:13.1/10

+ sign 1268.930+/-385.711 χ^2/NDF: 33.1/26

All: -548.327+/-269.708 χ^2/NDF: 103.1/55

- 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: 1669.634+/-0.400 χ^2/NDF:37765.2/10

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

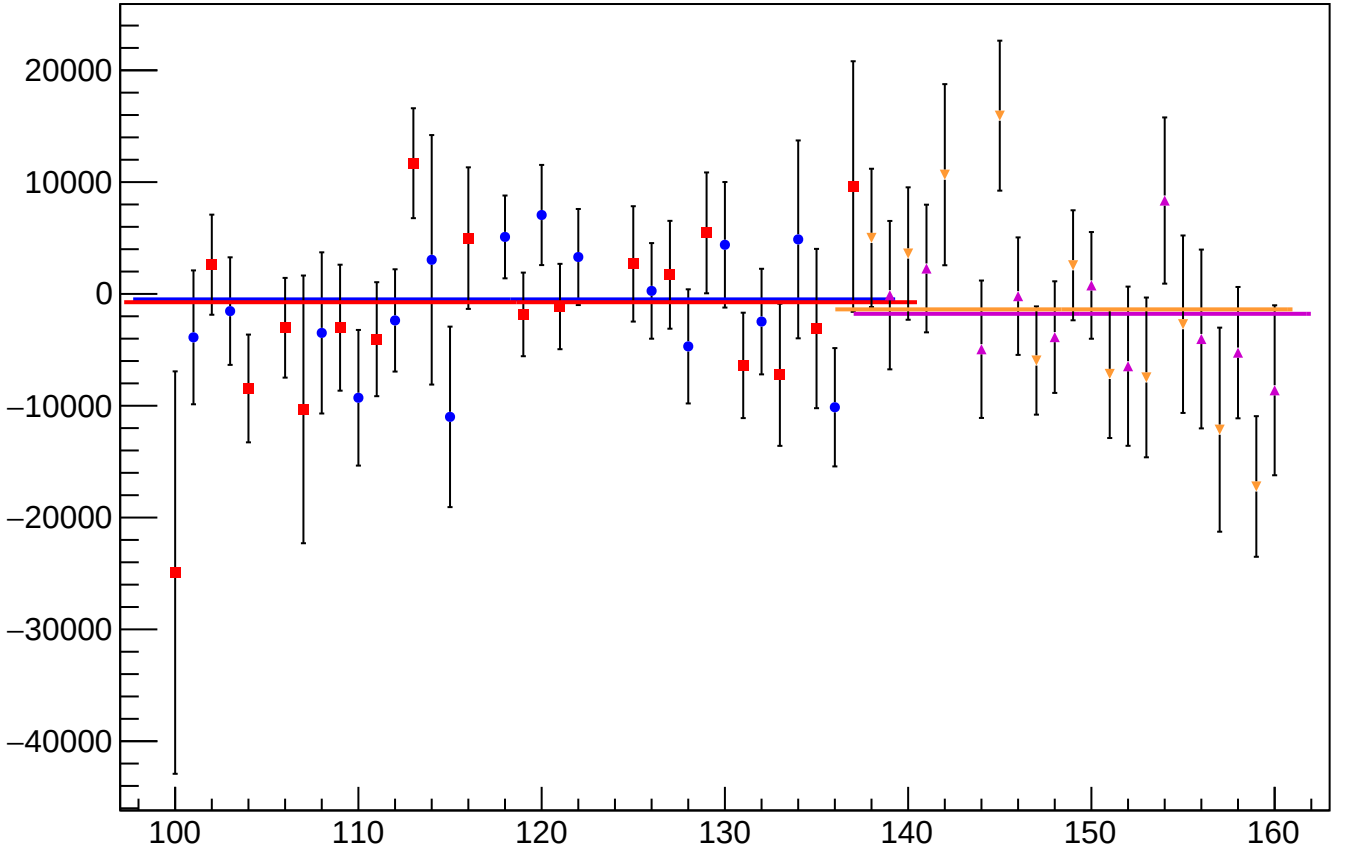
Left In: 1663.042+/-0.381 χ^2/NDF:32916.7/10

+ sign 1530.944+/-0.273 χ^2/NDF: 361299.4/26

All: 1532.991+/-0.191 χ^2/NDF: 705832.6/55

- 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: -1380.609+/-1891.998 χ^2/NDF:21.7/10

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

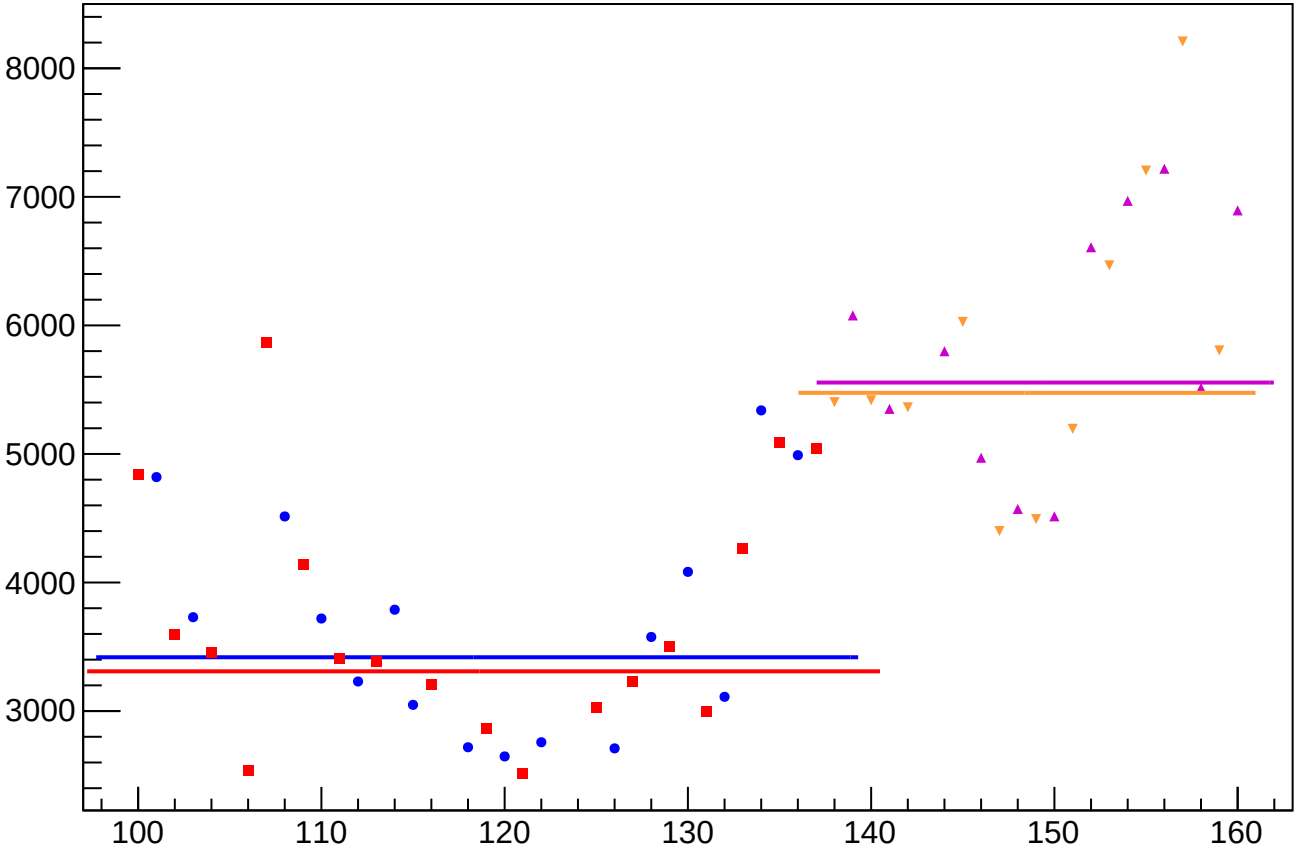
Left In: -1777.805+/-1825.957 χ^2/NDF:4.9/10

\+ sign -777.809+/-1076.303 χ^2/NDF: 37.7/26

All: -930.711+/-744.266 χ^2/NDF: 62.0/55

\- 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: 5475.580+/-1.338 χ^2/NDF:515974.6/10

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

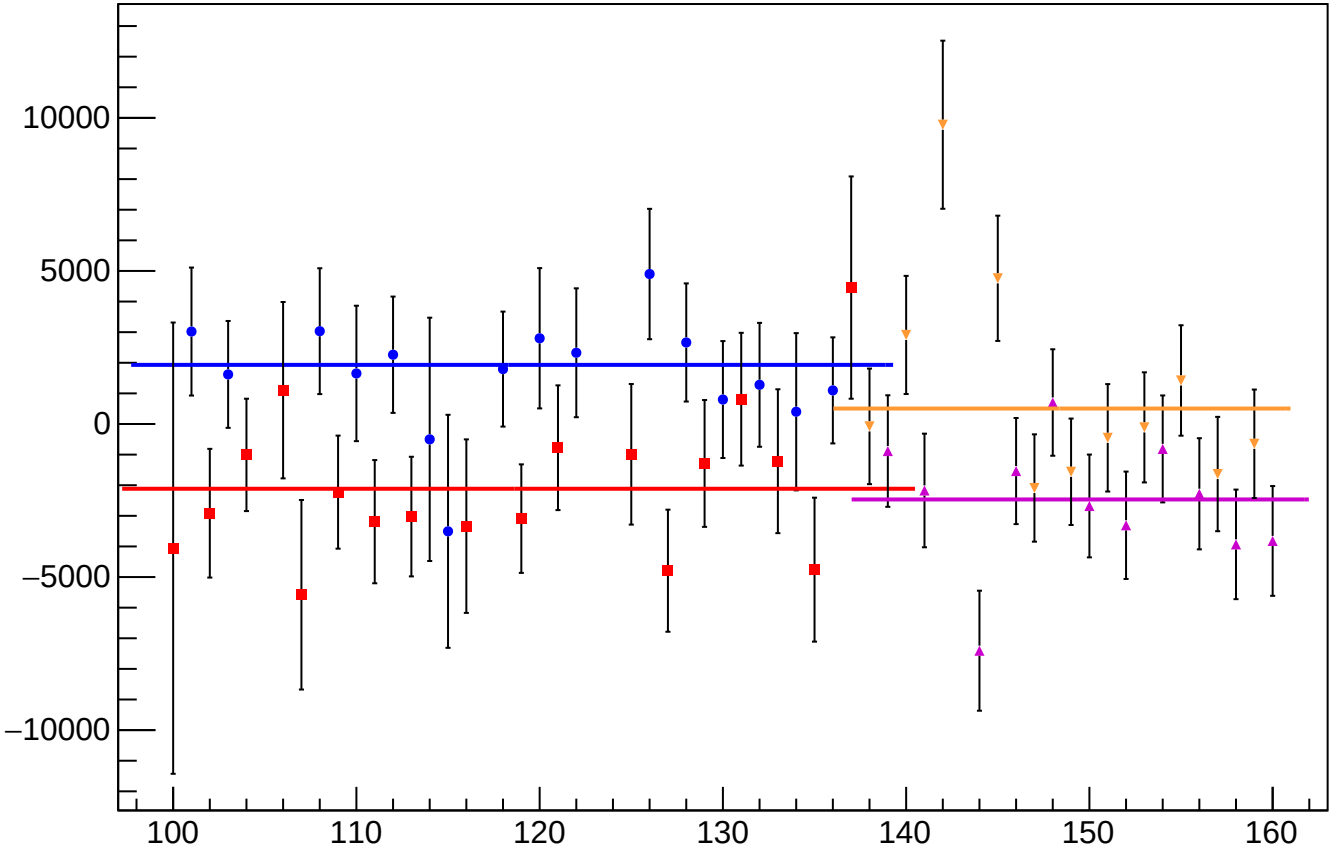
Left In: 5555.618+/-1.291 χ^2/NDF:480448.8/10

+ sign 4084.336+/-0.761 χ^2/NDF: 2836014.3/26

All: 4053.041+/-0.526 χ^2/NDF: 5955140.0/55

- 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: 505.343+/-565.878 χ^2/NDF:23.4/10

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

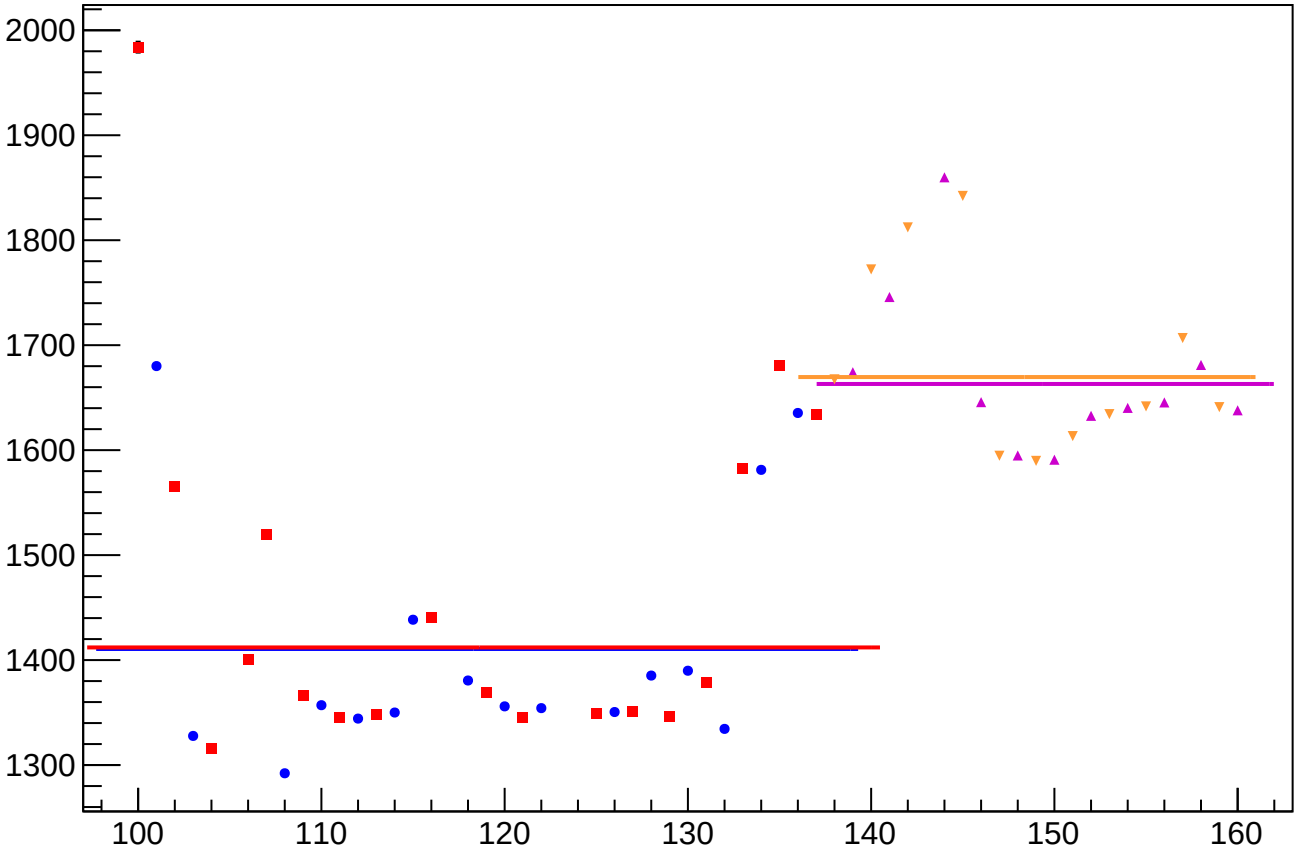
Left In: -2465.131+/-538.436 χ^2/NDF:13.1/10

+ sign 1268.929+/-385.711 χ^2/NDF: 33.1/26

All: -548.328+/-269.708 χ^2/NDF: 103.1/55

- 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: 1669.635+/-0.400 χ^2/NDF:37766.0/10

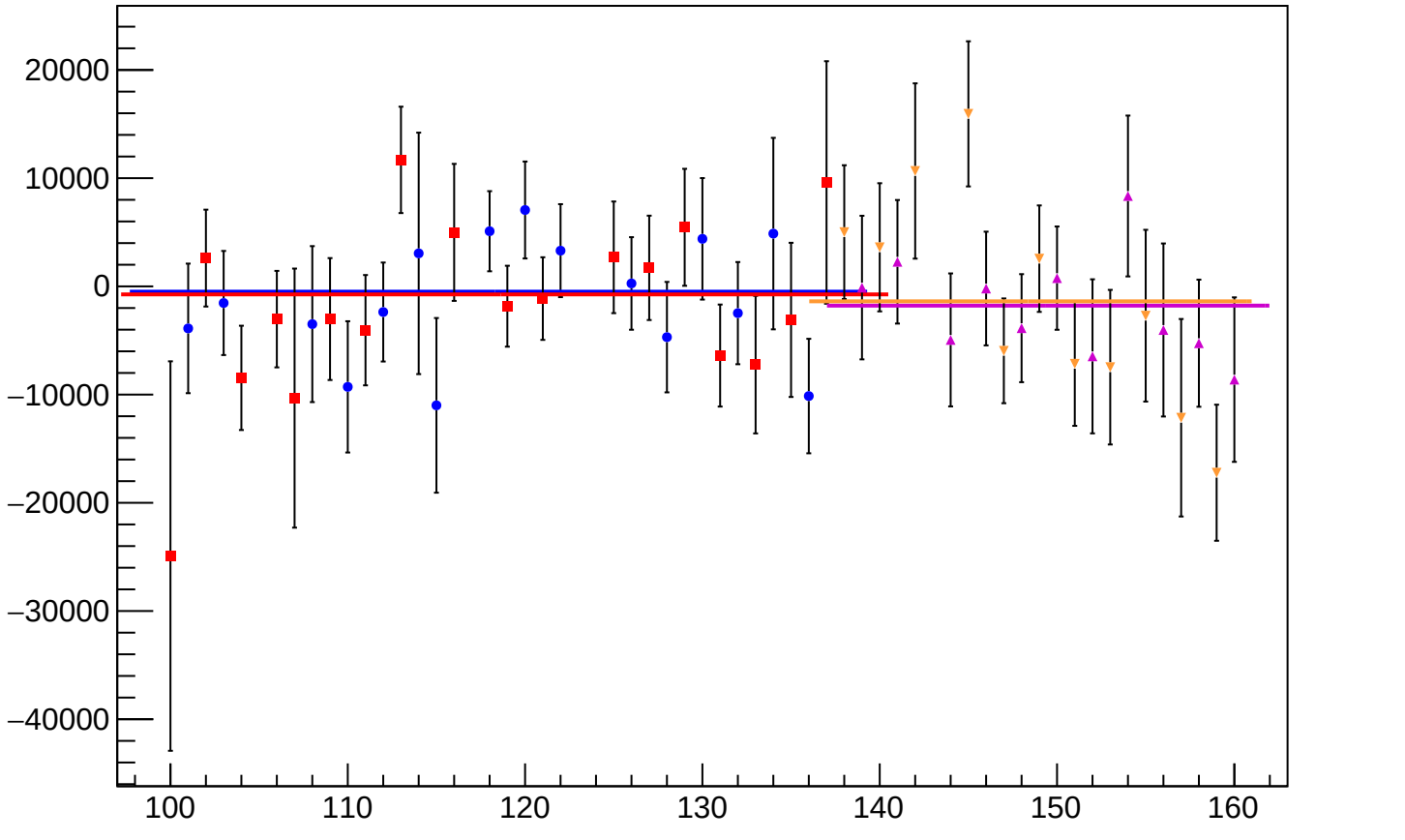
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1663.043+/-0.381 χ^2/NDF:32917.1/10

+ sign 1530.945+/-0.273 χ^2/NDF: 361302.2/26

All: 1532.992+/-0.191 χ^2/NDF: 705838.6/55

- 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: -1380.619+/-1892.001 χ^2/NDF:21.7/10

Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

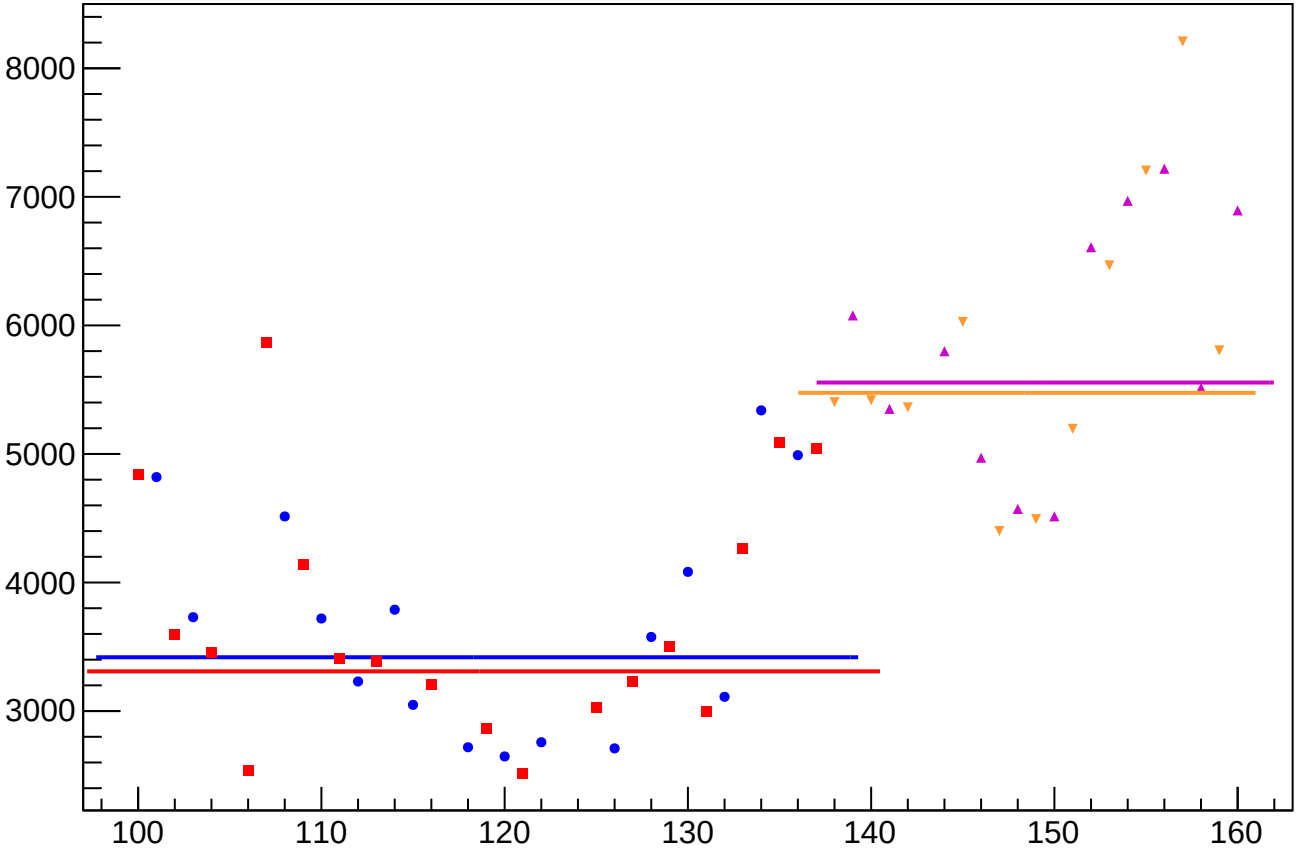
Left In: -1777.807+/-1825.959 χ^2/NDF:4.9/10

+ sign -777.806+/-1076.301 χ^2/NDF: 37.7/26

All: -930.710+/-744.265 χ^2/NDF: 62.0/55

- 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: 5475.587+/-1.338 χ^2/NDF:515977.4/10

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

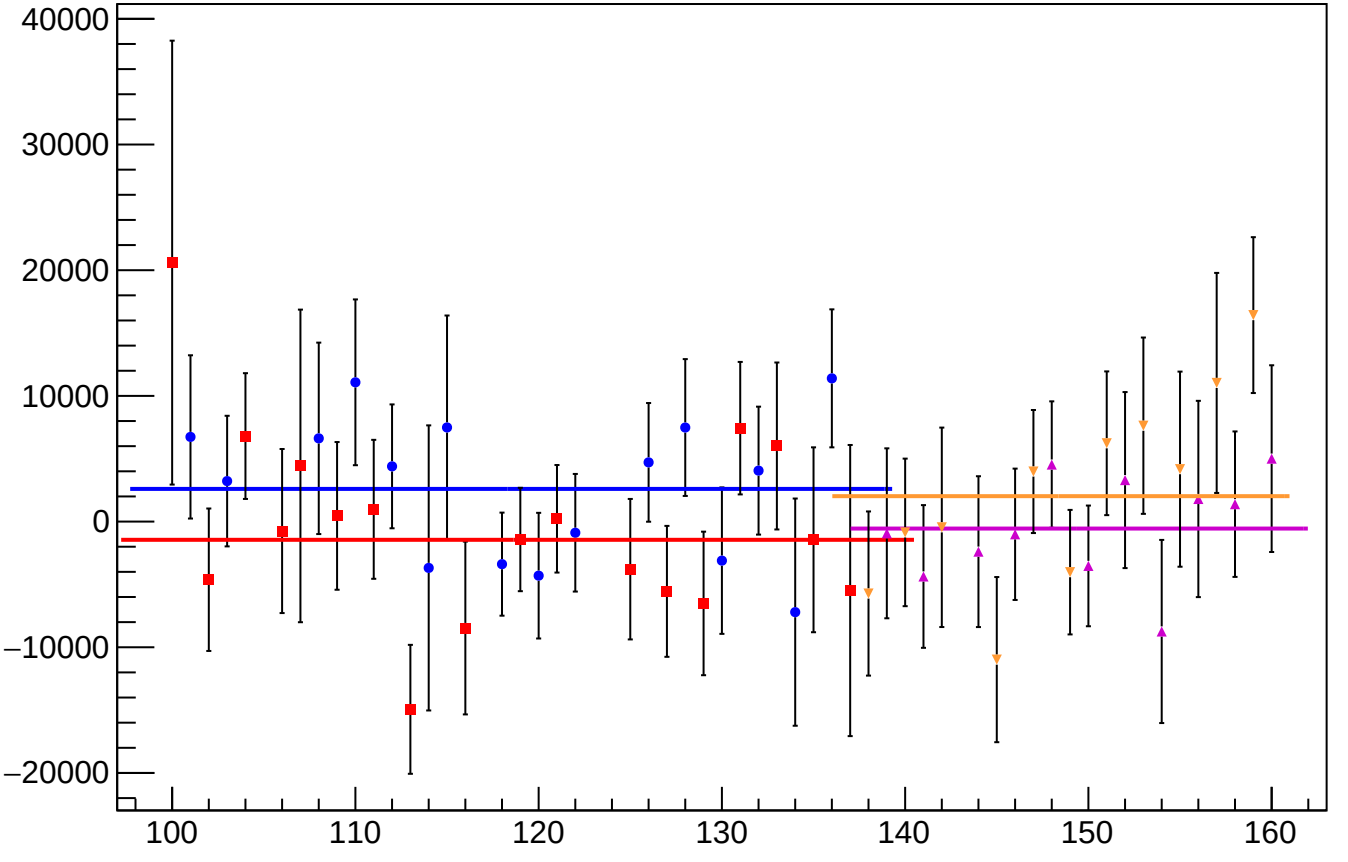
Left In: 5555.624+/-1.291 χ^2/NDF:480451.3/10

+ sign 4084.327+/-0.761 χ^2/NDF: 2836054.0/26

All: 4053.032+/-0.526 χ^2/NDF: 5955216.8/55

- 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: 2022.190+/-1887.900 χ^2/NDF:15.0/10

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

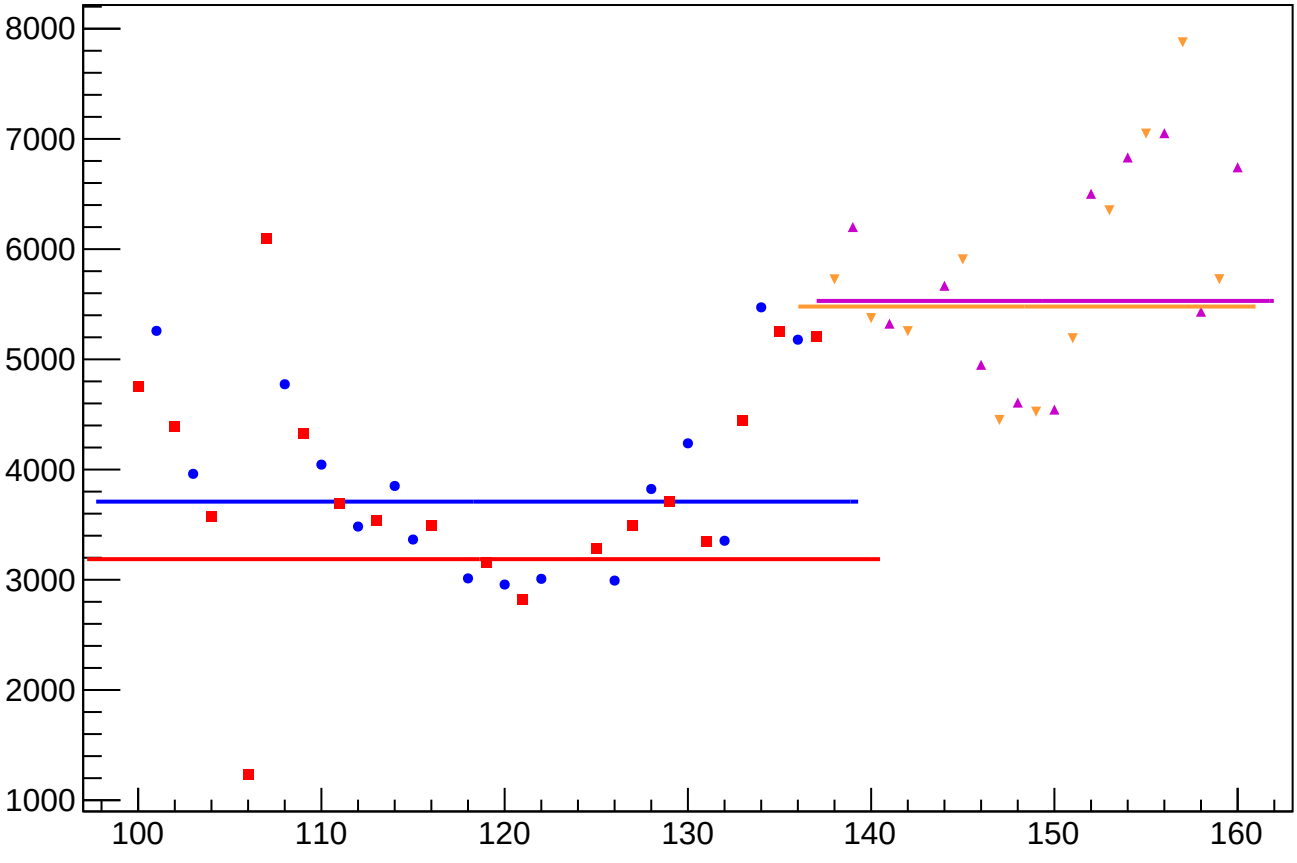
Left In: -555.468+/-1814.222 χ^2/NDF:4.3/10

+ sign 2392.014+/-1132.009 χ^2/NDF: 28.6/26

All: 584.498+/-788.808 χ^2/NDF: 57.0/55

- 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: 5479.100+/-1.335 χ^2/NDF:447066.4/10

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

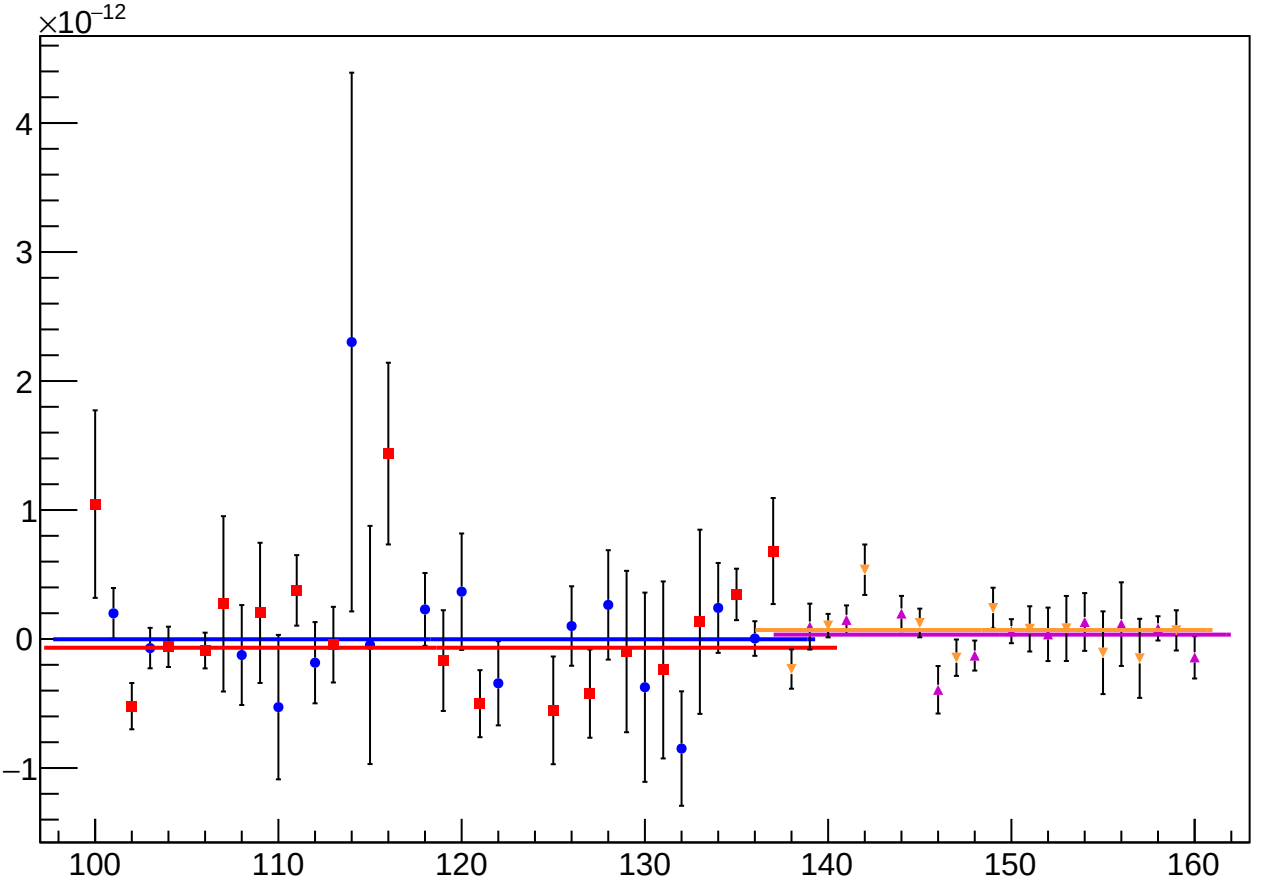
Left In: 5530.247+/-1.283 χ^2/NDF:431799.7/10

+ sign 4345.511+/-0.800 χ^2/NDF: 2183571.5/26

All: 4133.424+/-0.541 χ^2/NDF: 6598326.3/55

- 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:14.3/10

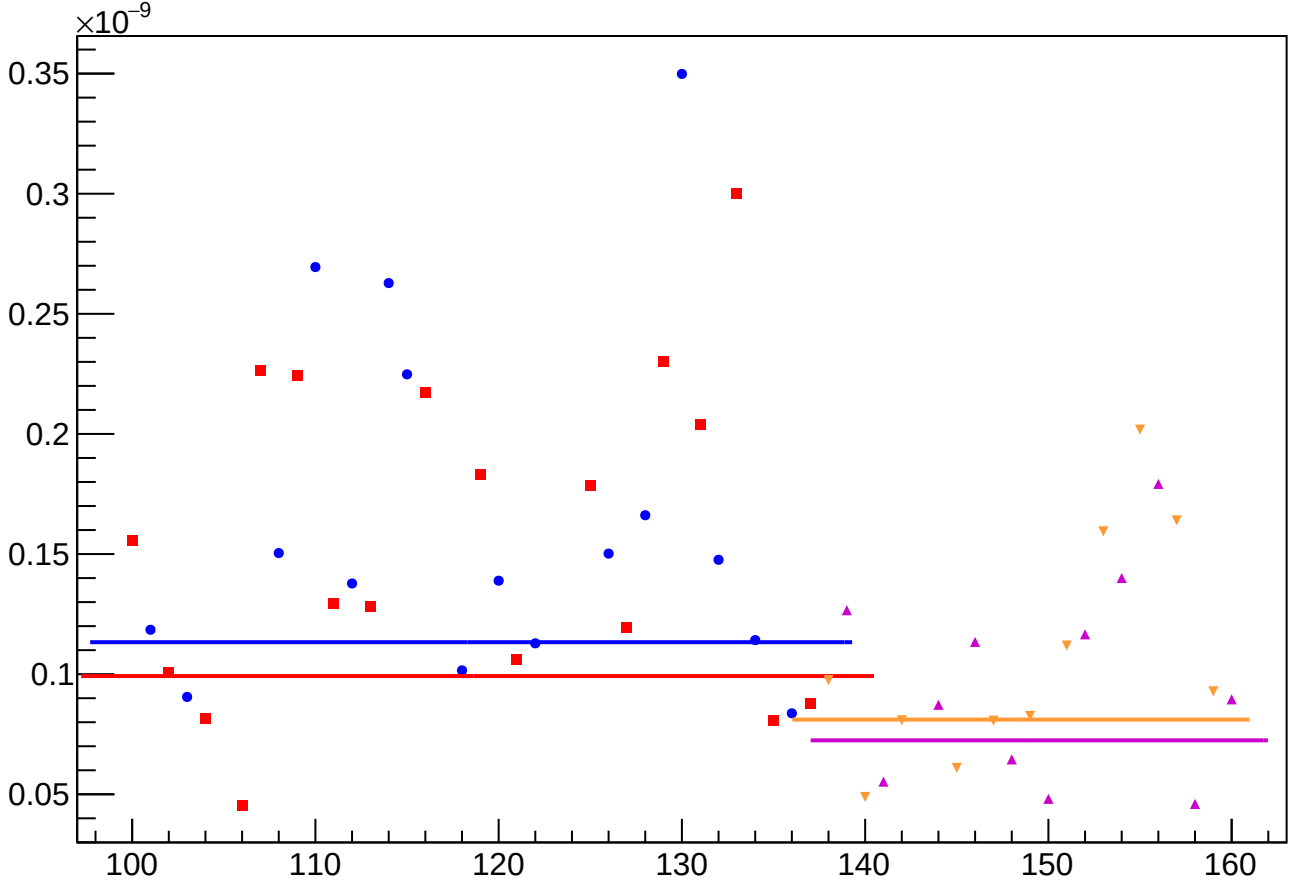
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:11.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 26.2/26

All: 0.000+/-0.000 χ^2/NDF: 69.8/55

- 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:1035352.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

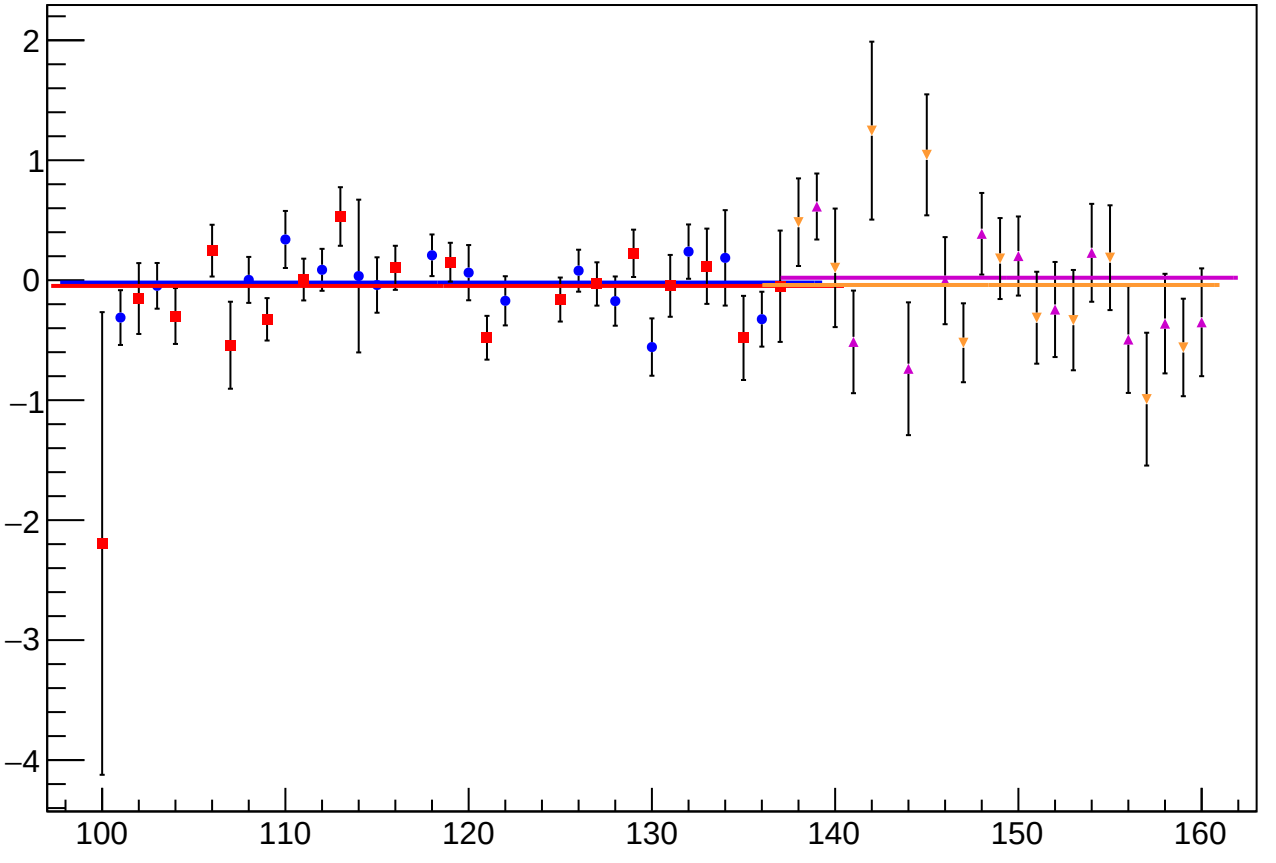
Left In: 0.000+/-0.000 χ^2/NDF:1170347.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 1984113.3/26

All: 0.000+/-0.000 χ^2/NDF: 4578025.5/55

- 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: -0.040+/-0.127 χ^2/NDF:18.2/10

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

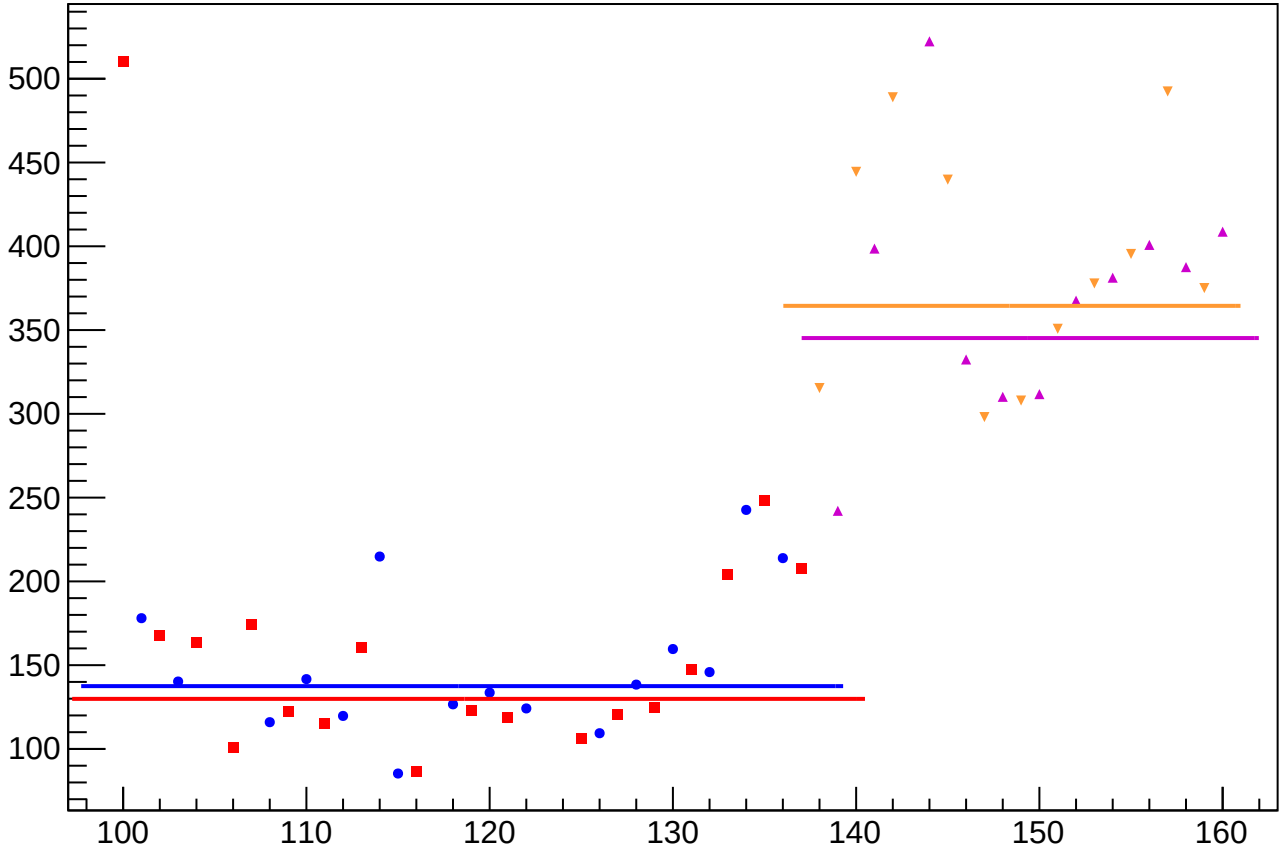
Left In: 0.021+/-0.115 χ^2/NDF:13.1/10

+ sign -0.023+/-0.050 χ^2/NDF: 34.3/26

All: -0.030+/-0.034 χ^2/NDF: 74.0/55

- 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: 364.455+/-0.089 χ^2/NDF:449855.4/10

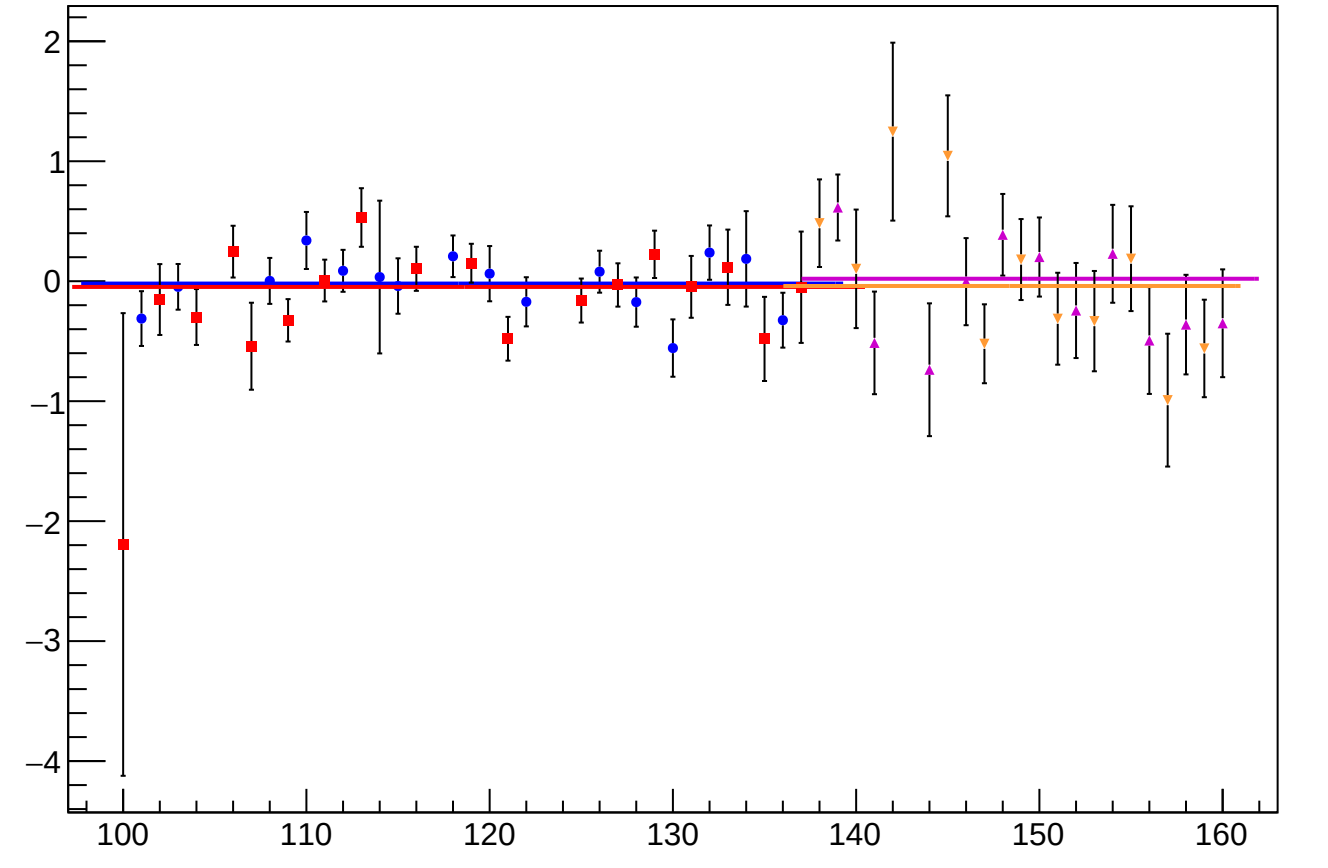
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 345.230+/-0.081 χ^2/NDF:674999.8/10

+ sign 172.685+/-0.035 χ^2/NDF: 6579551.9/26

All: 169.716+/-0.024 χ^2/NDF: 13900735.3/55

- 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: -0.040+/-0.127 χ^2/NDF:18.2/10

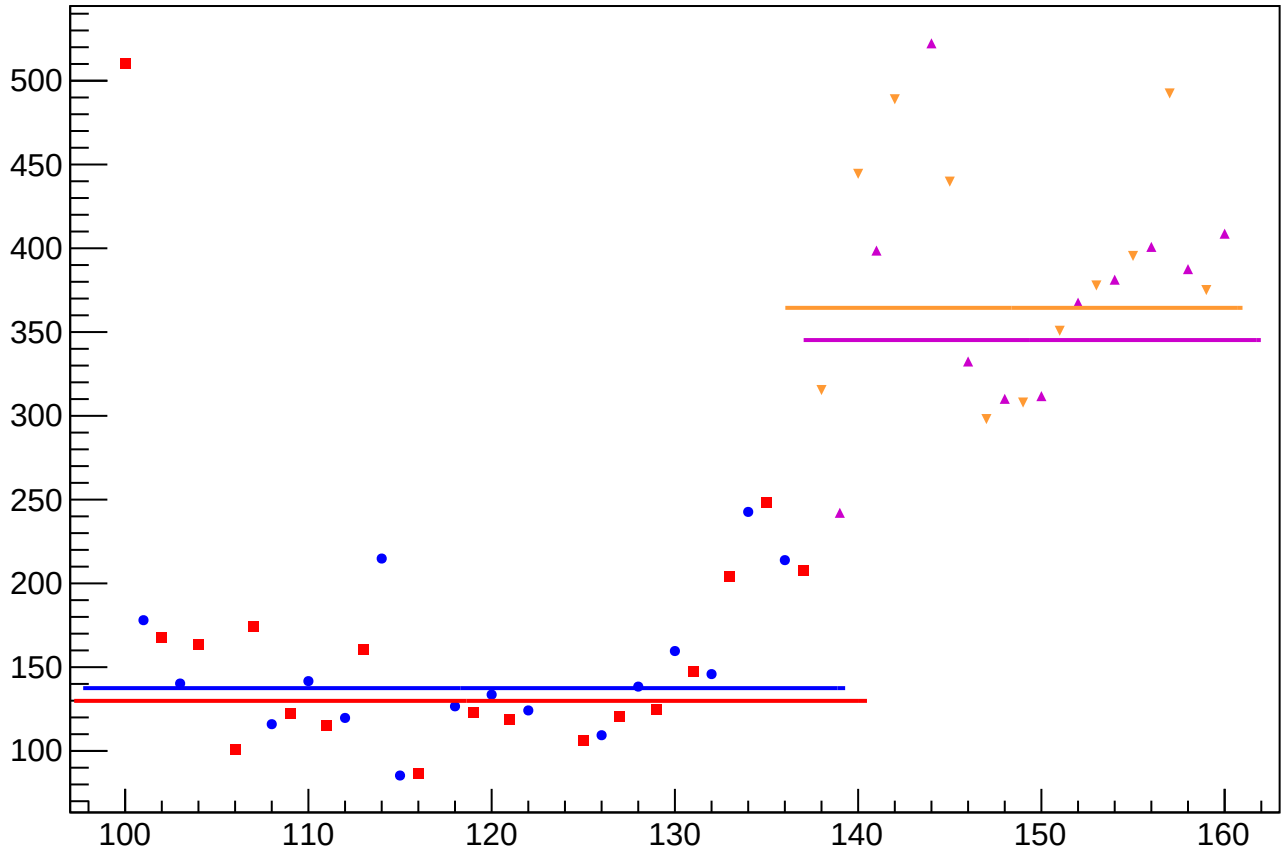
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.021+/-0.115 χ^2/NDF:13.1/10

+ sign -0.023+/-0.050 χ^2/NDF: 34.3/26

All: -0.030+/-0.034 χ^2/NDF: 74.0/55

- sign -0.036+/-0.048 χ^2/NDF: 39.7/28



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 364.455+/-0.089 χ^2/NDF:449855.4/10

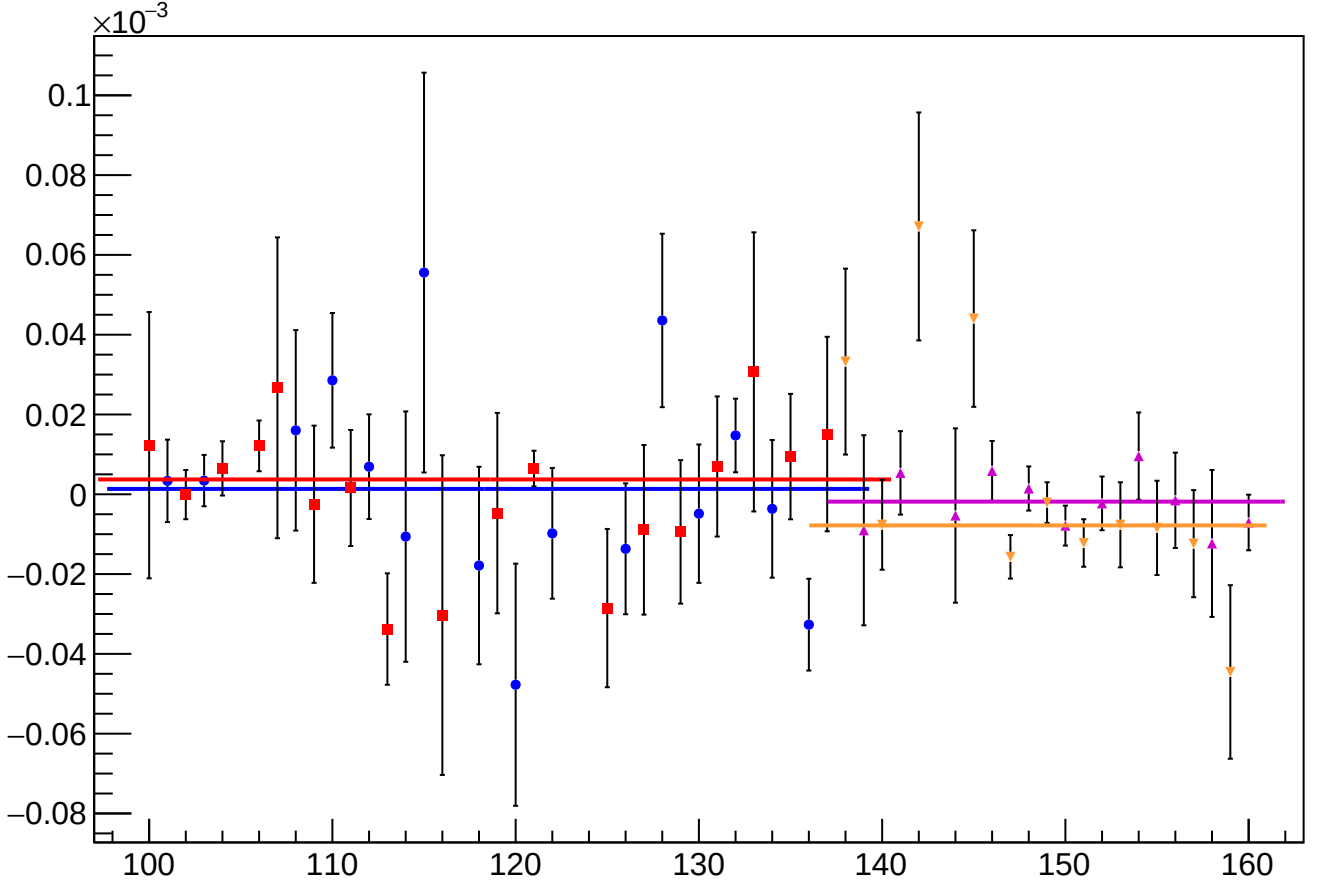
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 345.230+/-0.081 χ^2/NDF:674999.8/10

+ sign 172.685+/-0.035 χ^2/NDF: 6579551.9/26

All: 169.716+/-0.024 χ^2/NDF: 13900735.3/55

- 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:22.3/10

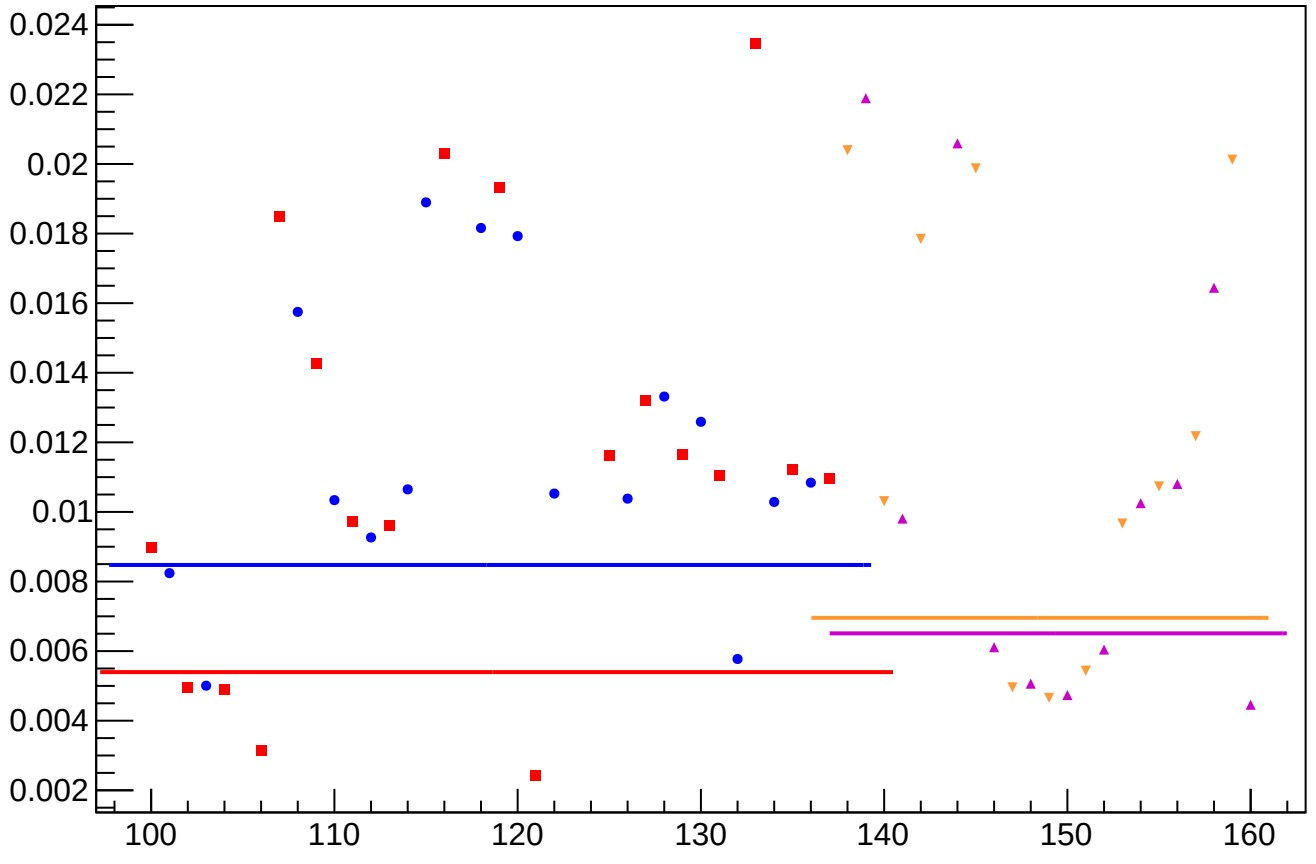
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:5.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 50.6/26

All: -0.000+/-0.000 χ^2/NDF: 77.9/55

- 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: 0.007+/-0.000 χ^2/NDF:3990673.7/10

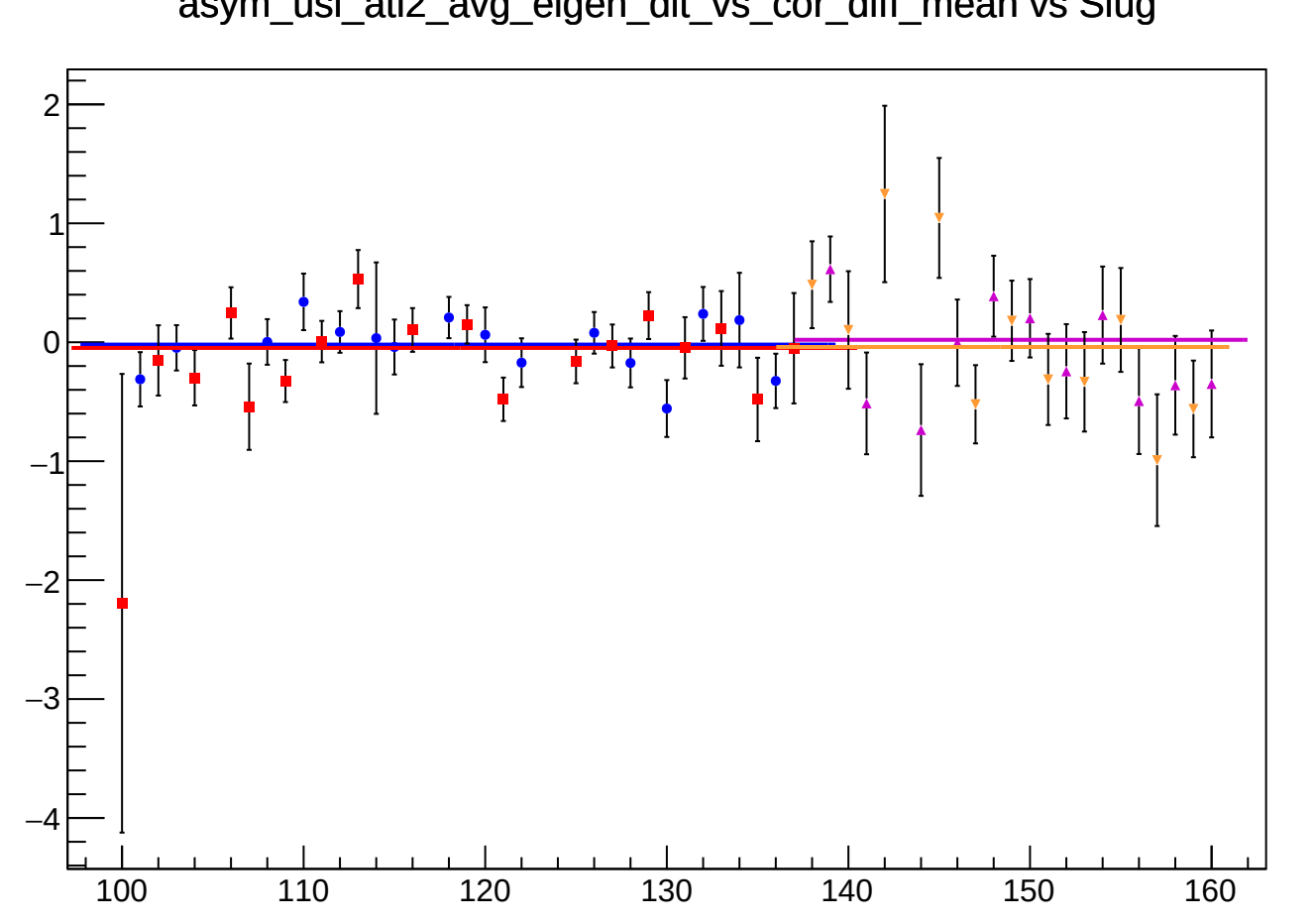
Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:3514822.7/10

+ sign 0.008+/-0.000 χ^2/NDF: 6157321.5/26

All: 0.007+/-0.000 χ^2/NDF: 15423293.3/55

- 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: -0.040+/-0.127 χ^2/NDF:18.2/10

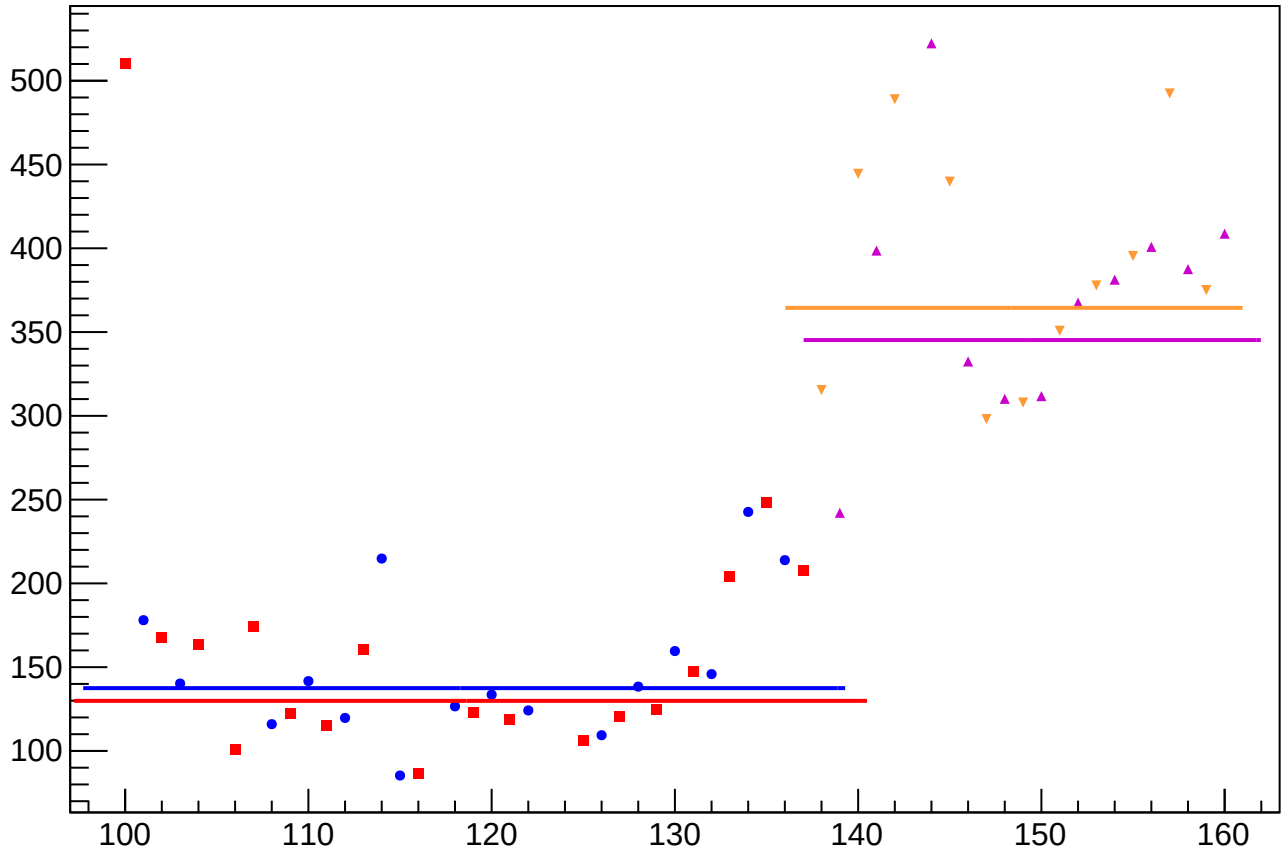
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.021+/-0.115 χ^2/NDF:13.1/10

+ sign -0.023+/-0.050 χ^2/NDF: 34.3/26

All: -0.030+/-0.034 χ^2/NDF: 74.0/55

- 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: 364.459+/-0.089 χ^2/NDF:449898.0/10

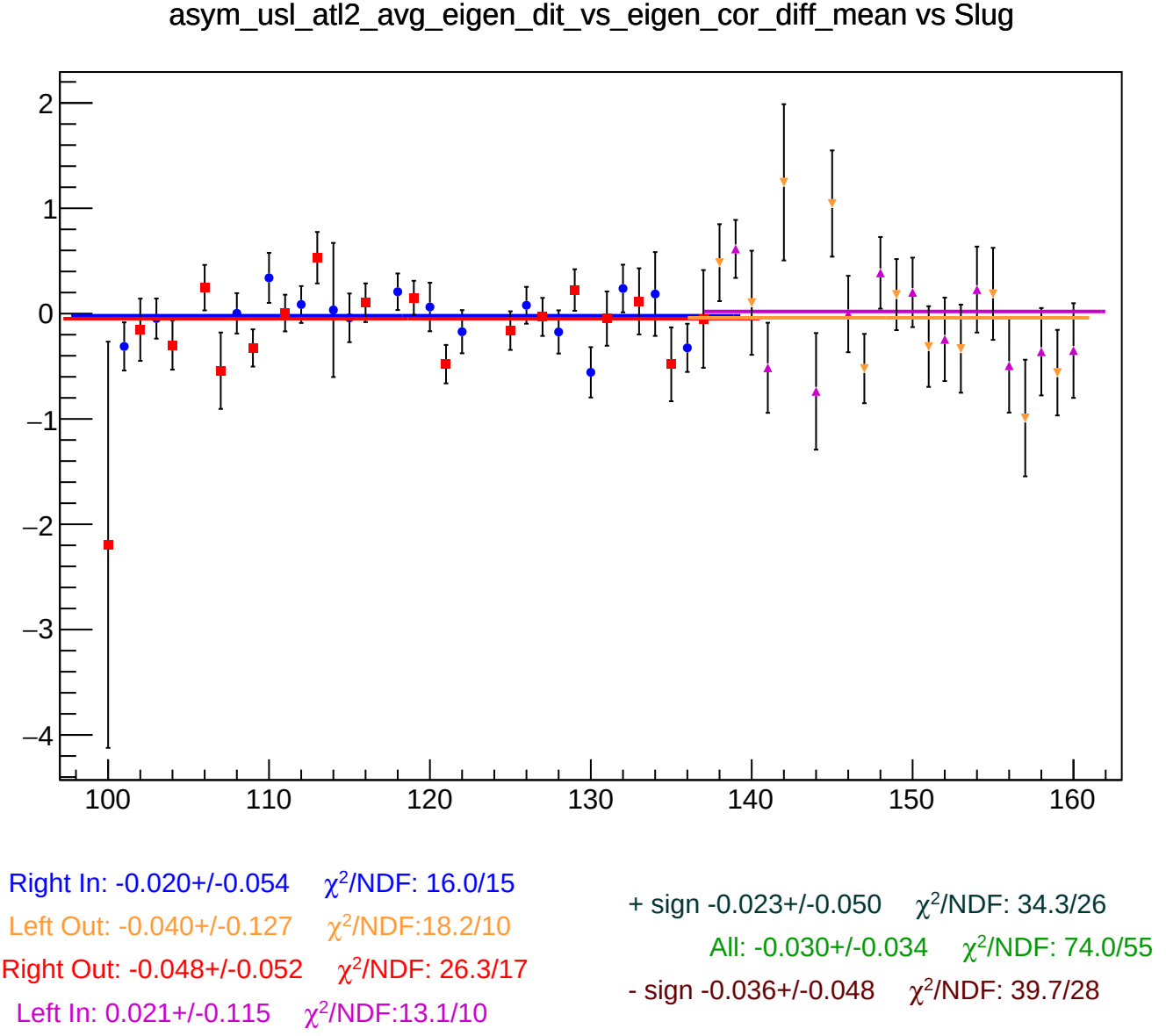
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

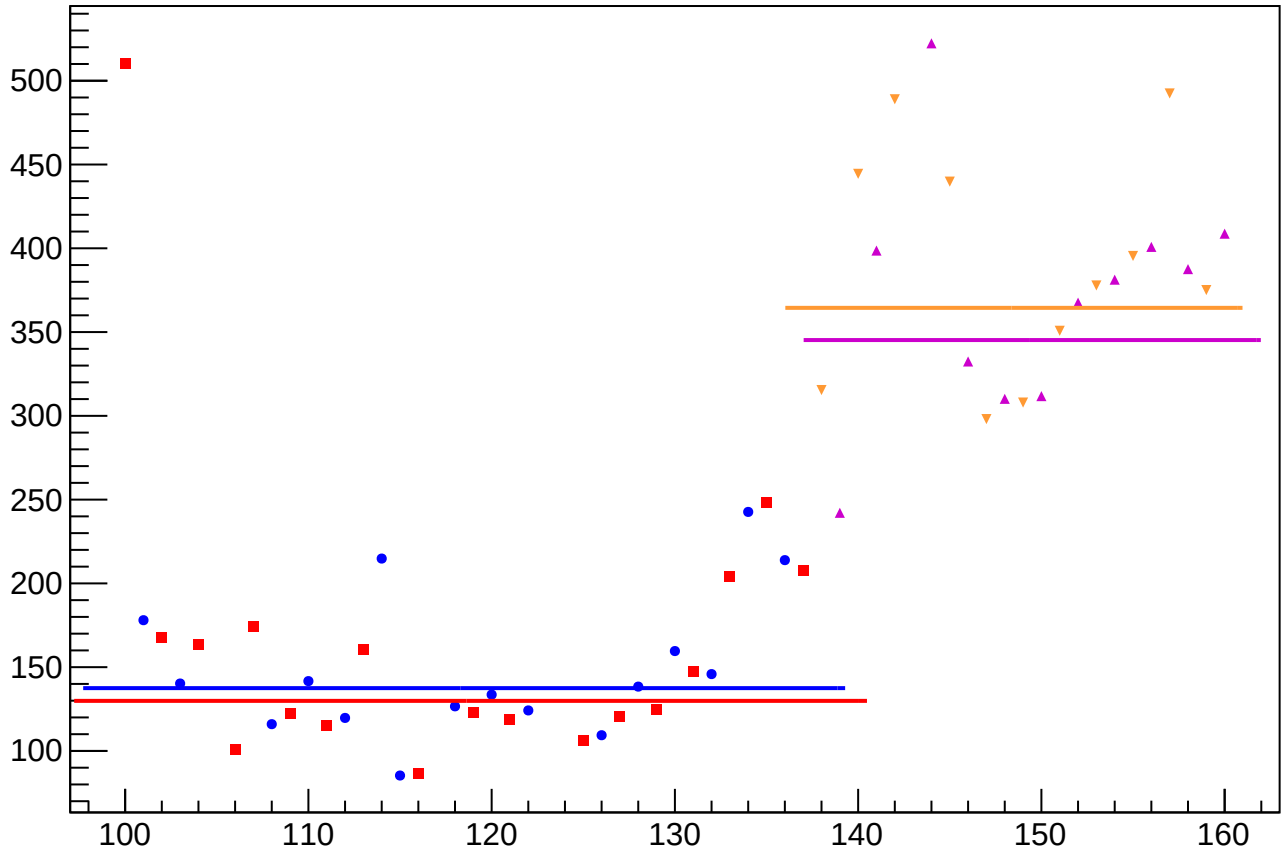
Left In: 345.235+/-0.081 χ^2/NDF:674989.9/10

+ sign 172.684+/-0.035 χ^2/NDF: 6579662.9/26

All: 169.716+/-0.024 χ^2/NDF: 13900930.0/55

- sign 166.988+/-0.034 χ^2/NDF: 7307644.2/28


asym_usl_atl2_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: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: -0.040+/-0.127 χ²/NDF:18.2/10
Right Out: -0.048+/-0.052 χ²/NDF: 26.3/17
Left In: 0.021+/-0.115 χ²/NDF:13.1/10
+ sign -0.023+/-0.050 χ²/NDF: 34.3/26
All: -0.030+/-0.034 χ²/NDF: 74.0/55
- sign -0.036+/-0.048 χ²/NDF: 39.7/28



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 364.459+/-0.089 χ^2/NDF:449898.0/10

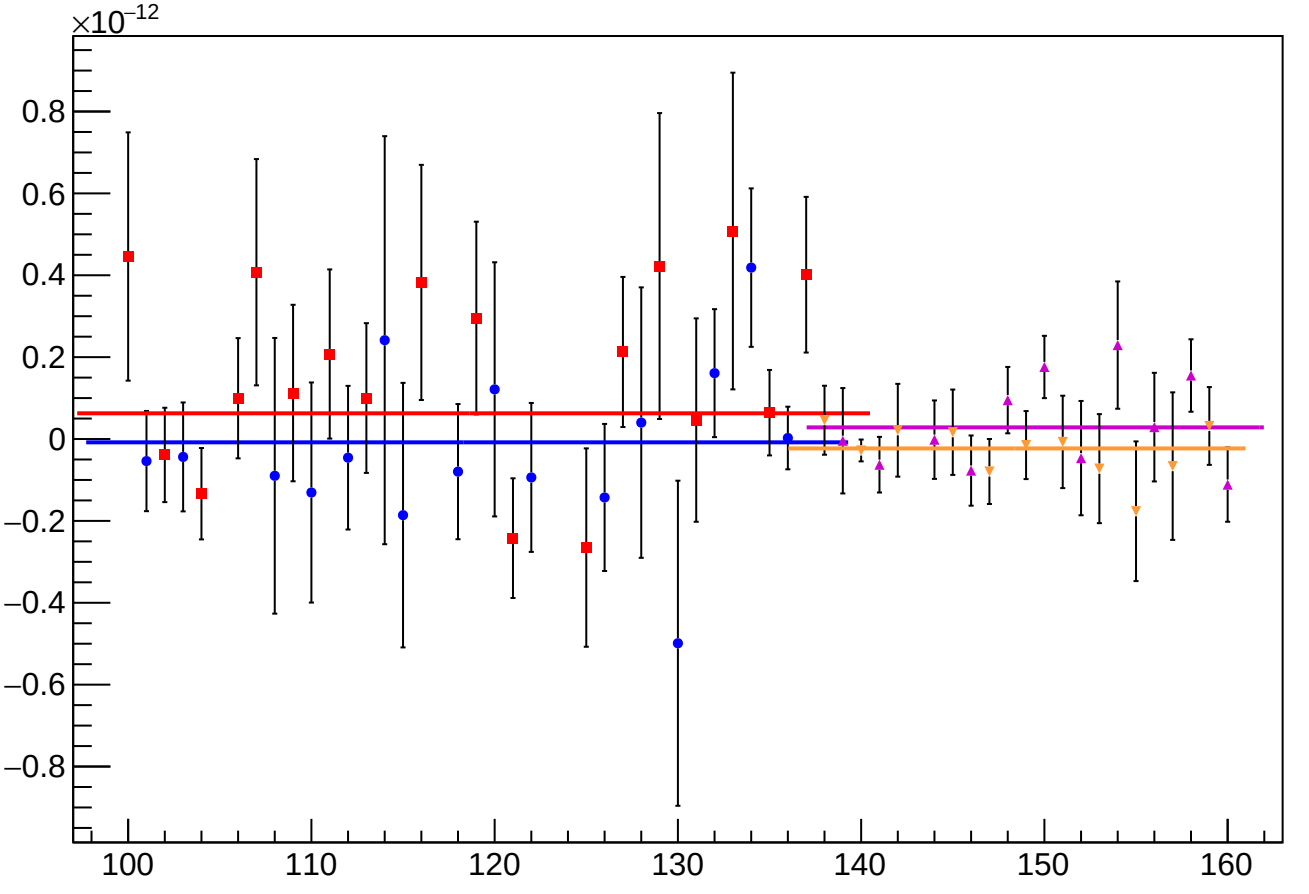
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 345.235+/-0.081 χ^2/NDF:674989.9/10

+ sign 172.684+/-0.035 χ^2/NDF: 6579662.9/26

All: 169.716+/-0.024 χ^2/NDF: 13900930.0/55

- 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:2.9/10

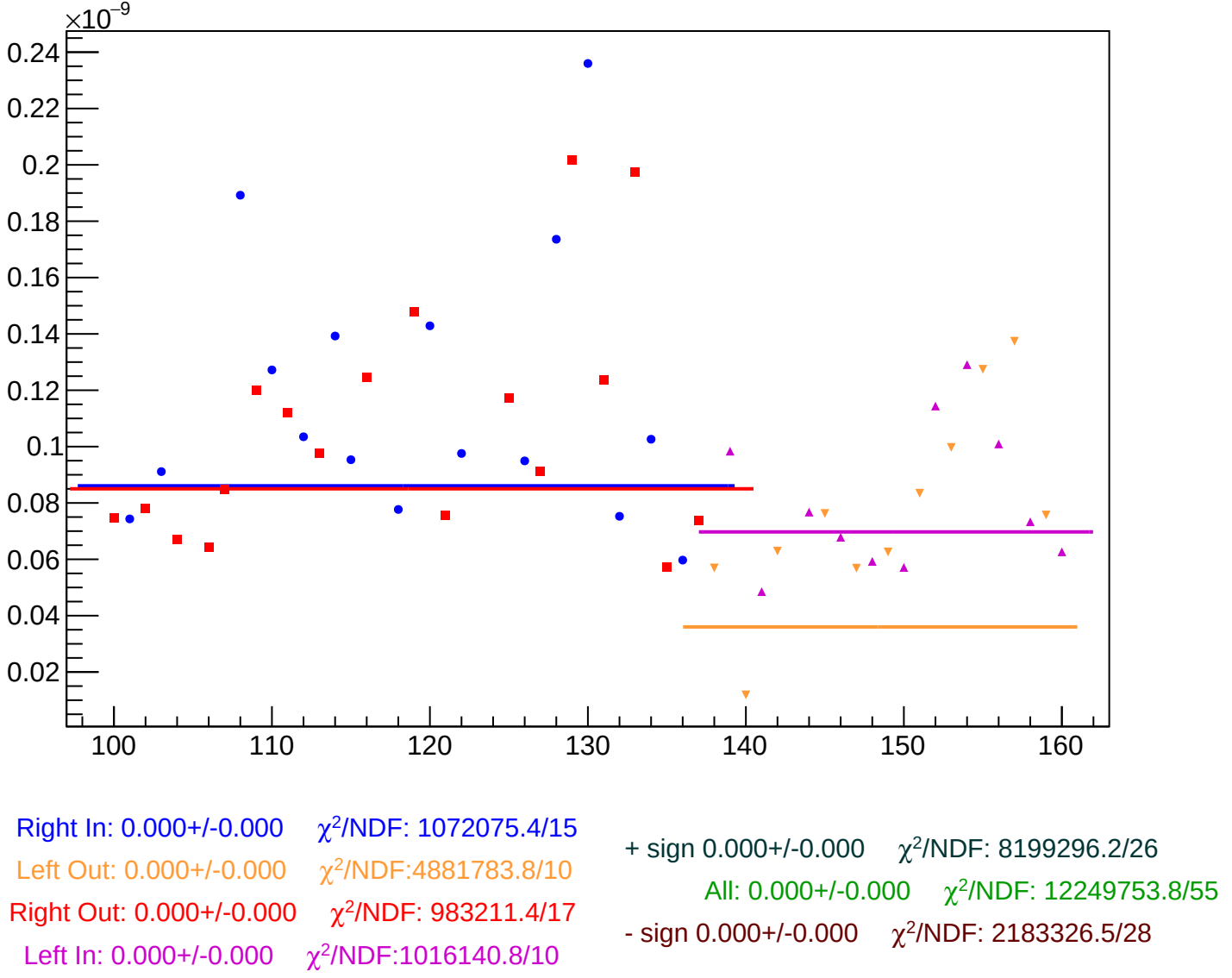
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:14.3/10

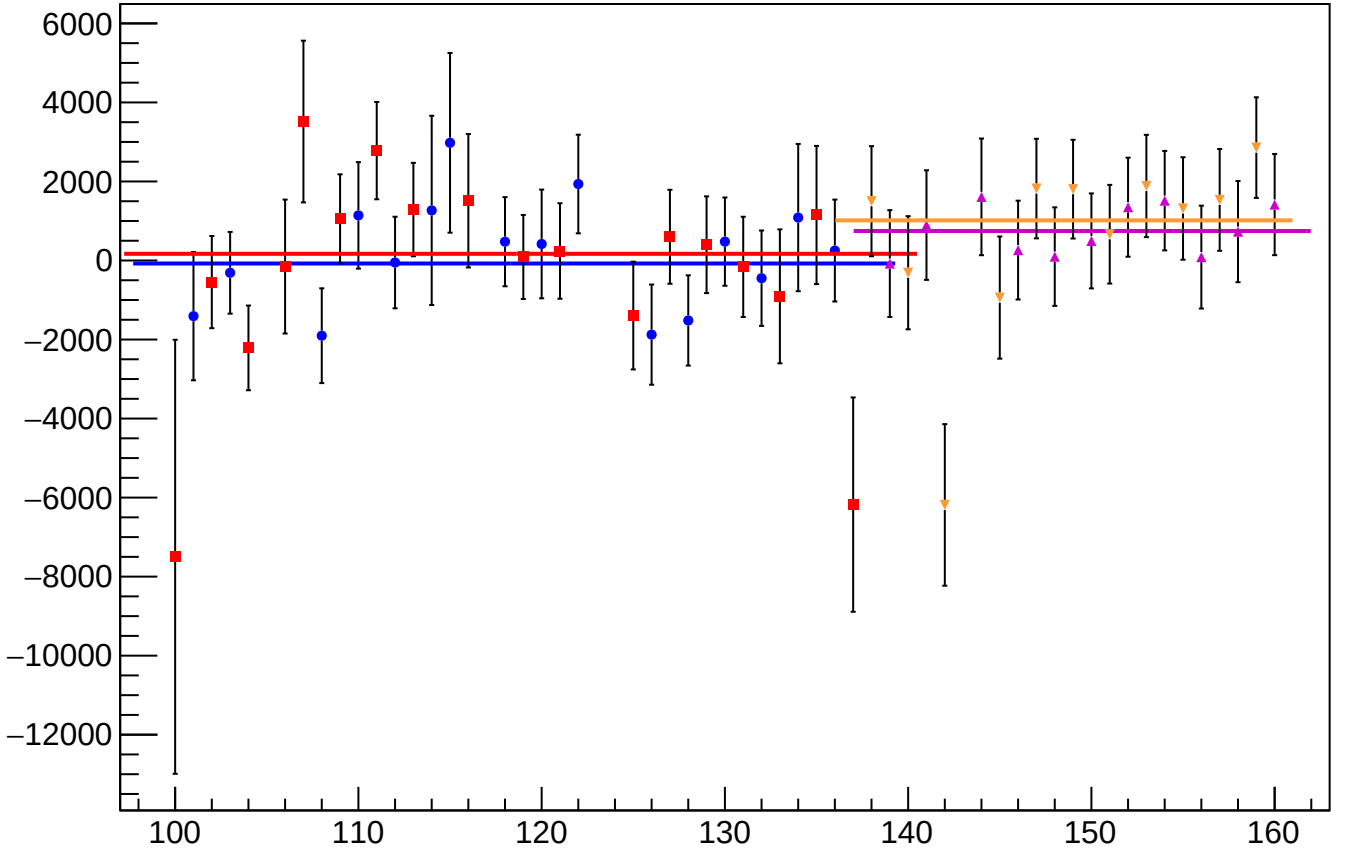
+ sign -0.000+/-0.000 χ^2/NDF: 12.8/26

All: 0.000+/-0.000 χ^2/NDF: 53.7/55

- sign 0.000+/-0.000 χ^2/NDF: 36.9/28


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1072075.4/15
Left Out: 0.000+/-0.000 χ²/NDF:4881783.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 983211.4/17
Left In: 0.000+/-0.000 χ²/NDF:1016140.8/10
+ sign 0.000+/-0.000 χ²/NDF: 8199296.2/26
All: 0.000+/-0.000 χ²/NDF: 12249753.8/55
- sign 0.000+/-0.000 χ²/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: 1015.182+/-408.820 χ^2/NDF:18.6/10

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

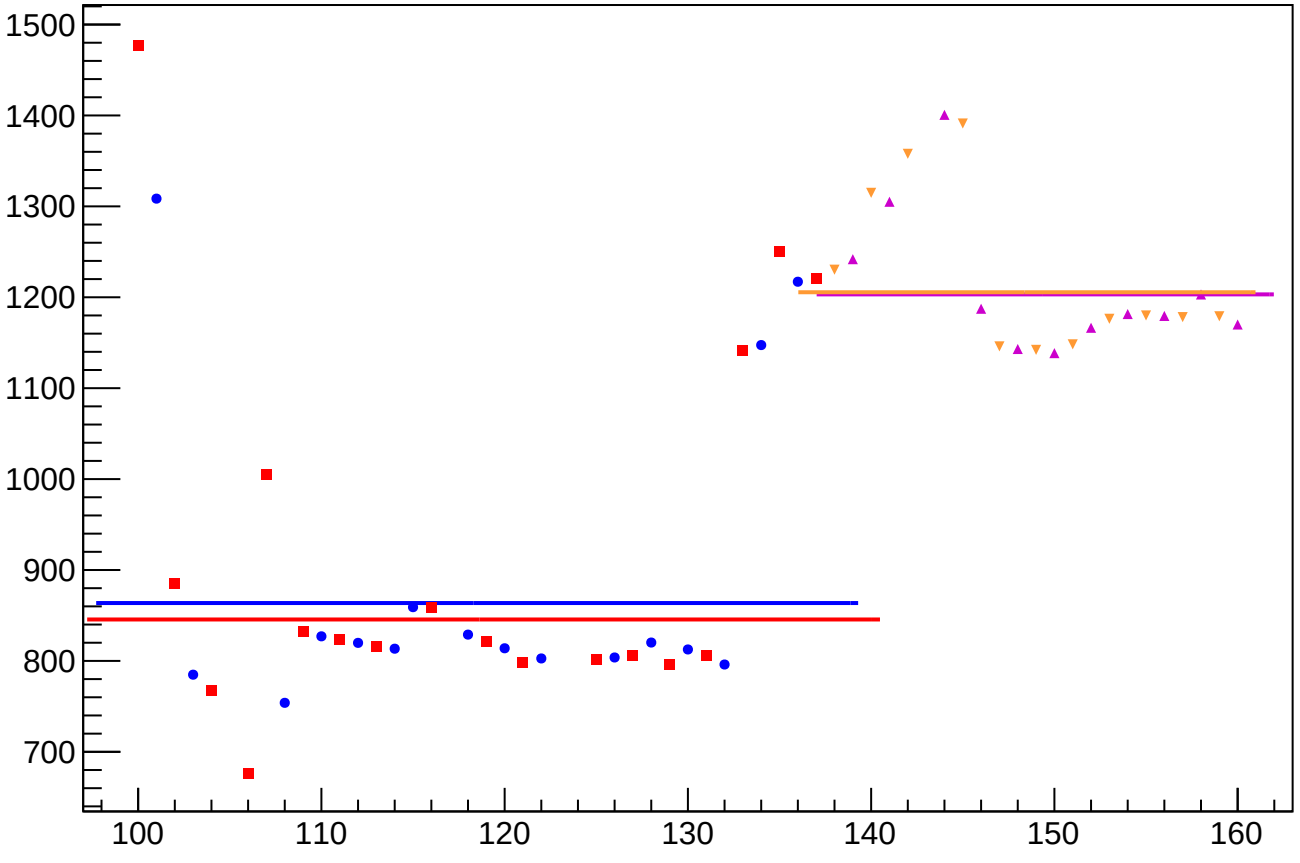
Left In: 746.686+/-389.871 χ^2/NDF:2.3/10

+ sign 348.543+/-254.992 χ^2/NDF: 36.3/26

All: 376.670+/-177.854 χ^2/NDF: 64.4/55

- 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: 1205.528+/-0.289 χ^2/NDF:69607.8/10

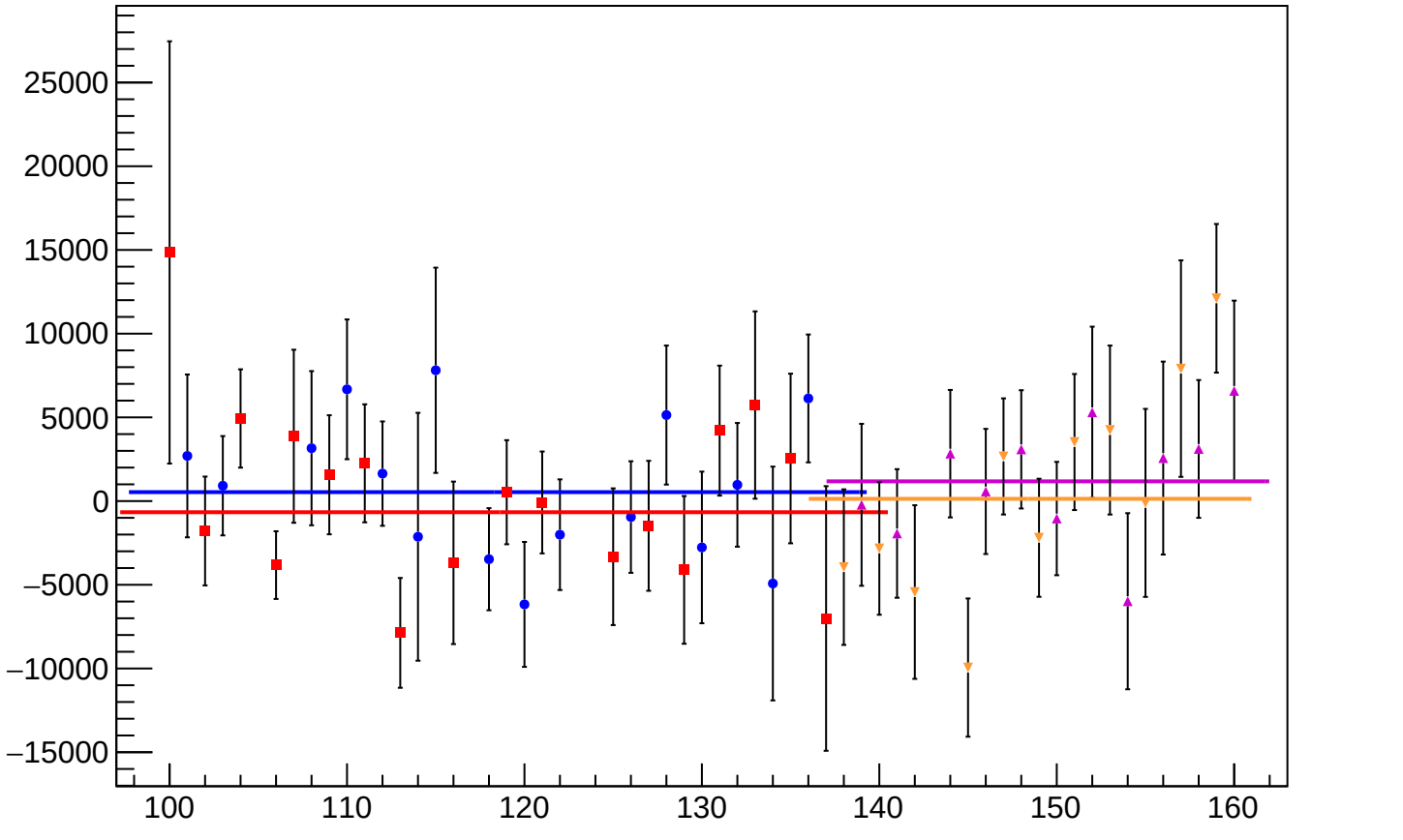
Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1203.181+/-0.276 χ^2/NDF:63274.8/10

+ sign 996.660+/-0.180 χ^2/NDF: 1331574.6/26

All: 992.368+/-0.125 χ^2/NDF: 2714510.3/55

- sign 988.361+/-0.174 χ^2/NDF: 1381840.1/28



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 134.501+/-1317.996 χ^2/NDF:19.5/10

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

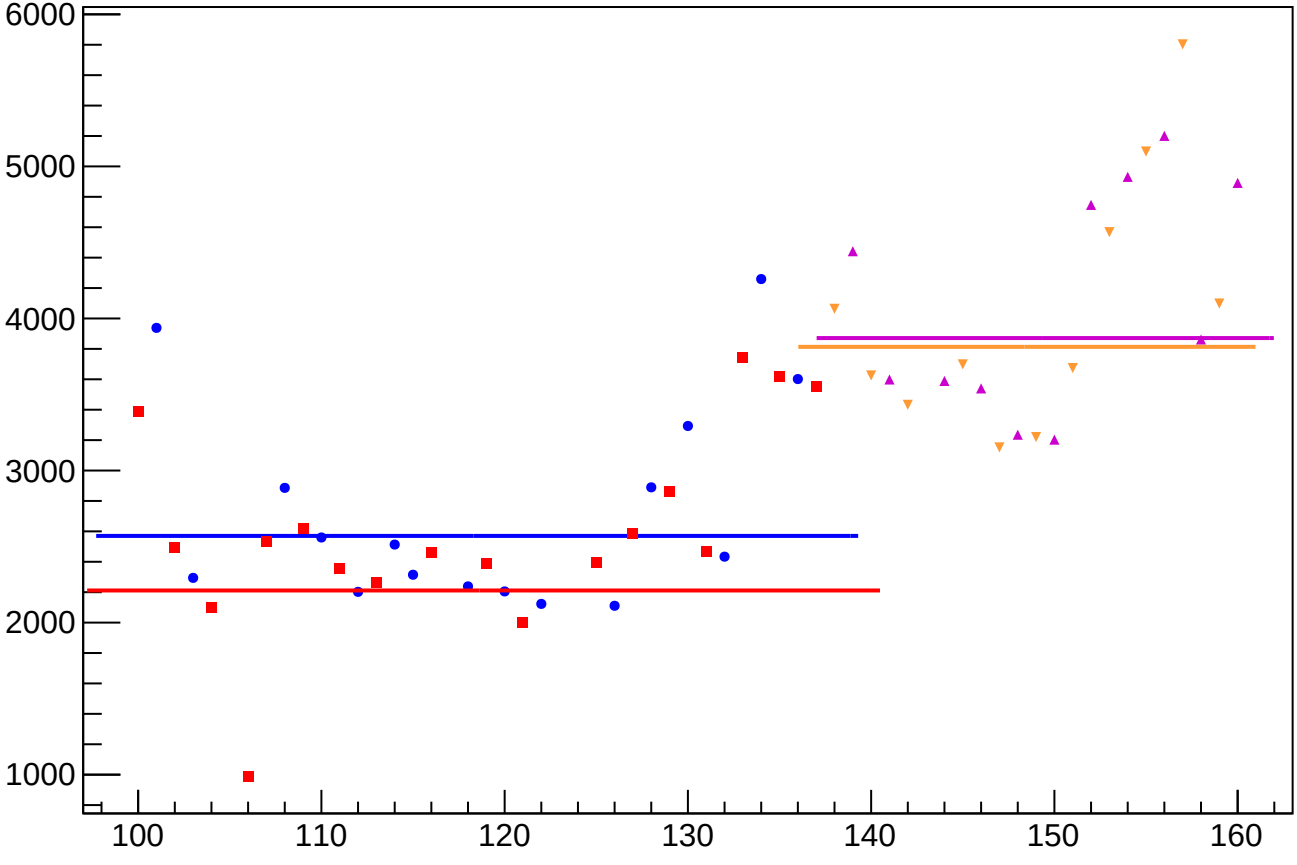
Left In: 1178.825+/-1273.580 χ^2/NDF:5.5/10

+ sign 391.851+/-787.093 χ^2/NDF: 34.2/26

All: 131.550+/-529.458 χ^2/NDF: 61.3/55

- 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: 3813.354+/-0.932 χ^2/NDF:501144.4/10

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

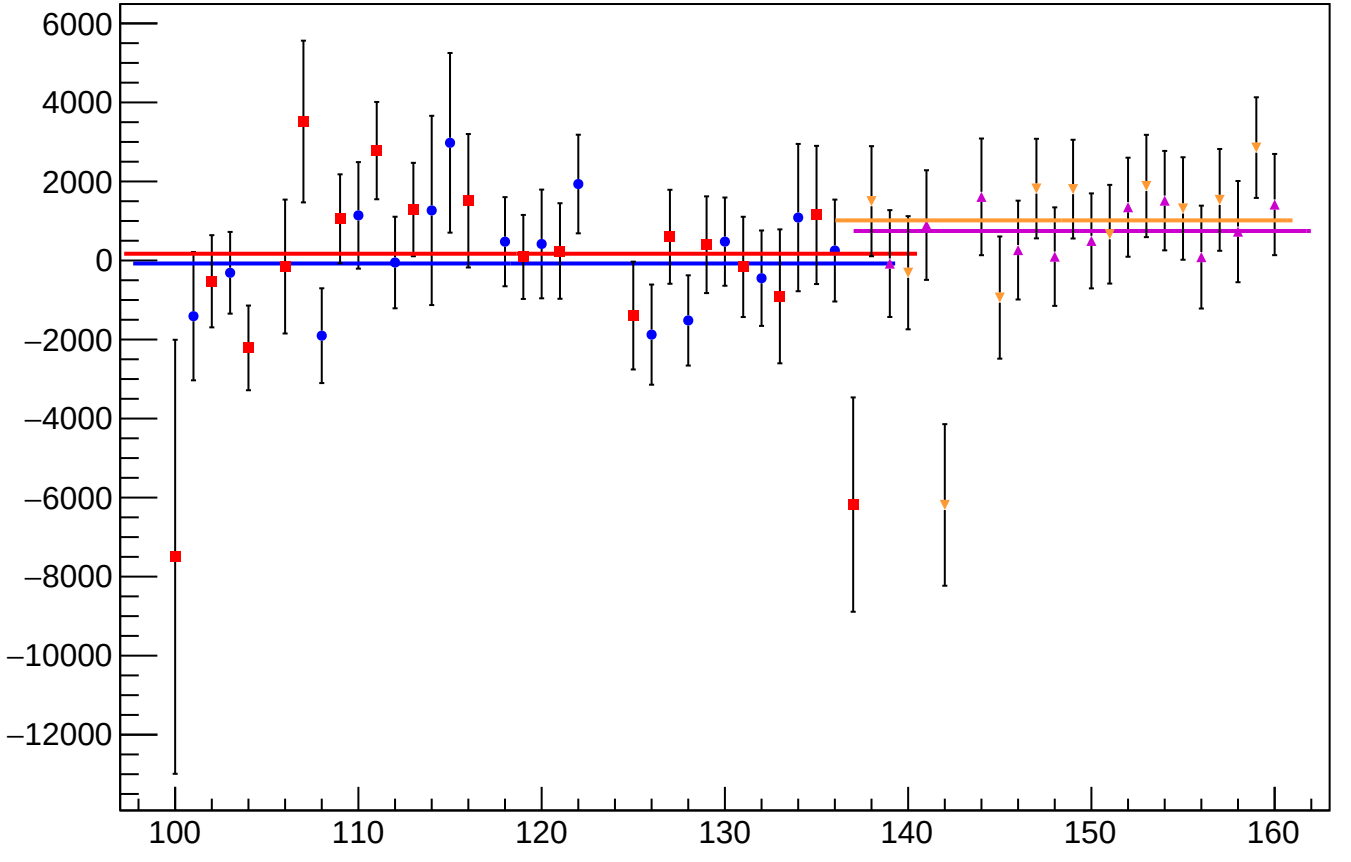
Left In: 3871.158+/-0.901 χ^2/NDF:525241.5/10

\+ sign 3013.510+/-0.557 χ^2/NDF: 2308487.9/26

All: 2861.151+/-0.374 χ^2/NDF: 6559607.7/55

\- 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: 1015.119+/-408.820 χ^2/NDF:18.6/10

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

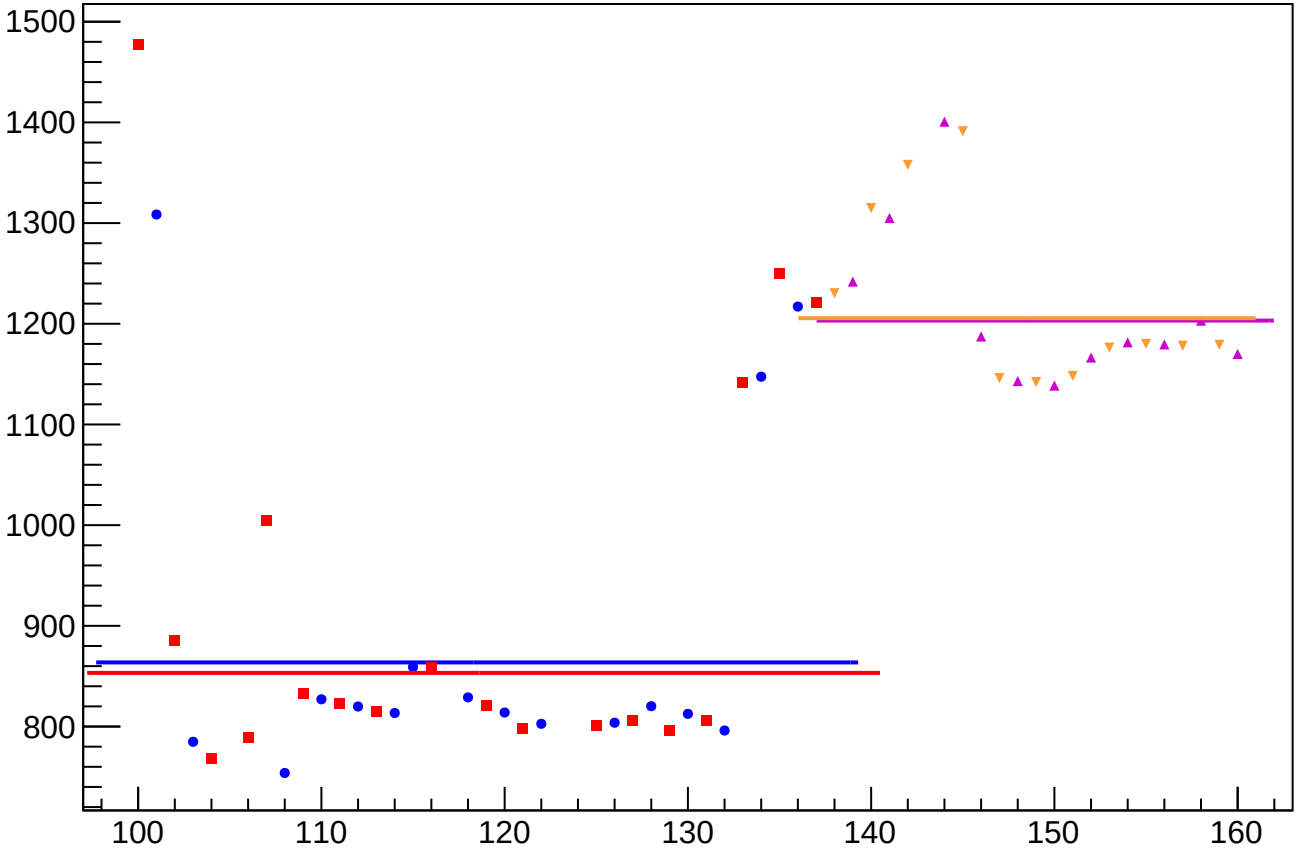
Left In: 746.684+/-389.871 χ^2/NDF:2.3/10

+ sign 348.471+/-254.992 χ^2/NDF: 36.3/26

All: 377.136+/-177.854 χ^2/NDF: 64.3/55

- 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: 1205.528+/-0.289 χ^2/NDF:69607.8/10

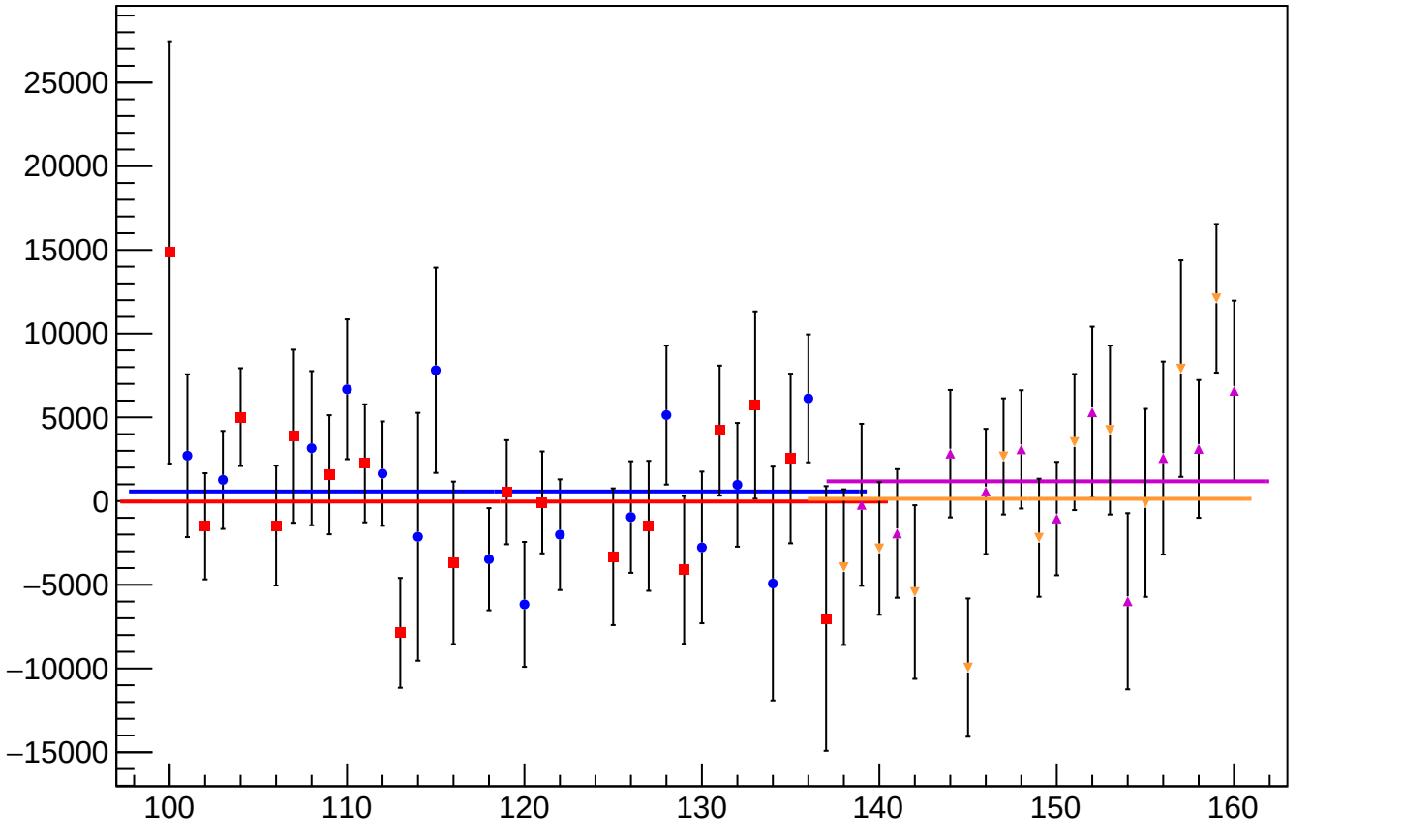
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1203.181+/-0.276 χ^2/NDF:63274.8/10

+ sign 996.660+/-0.180 χ^2/NDF: 1331574.7/26

All: 995.401+/-0.126 χ^2/NDF: 2632343.7/55

- 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: 134.493+/-1317.996 χ^2/NDF:19.5/10

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

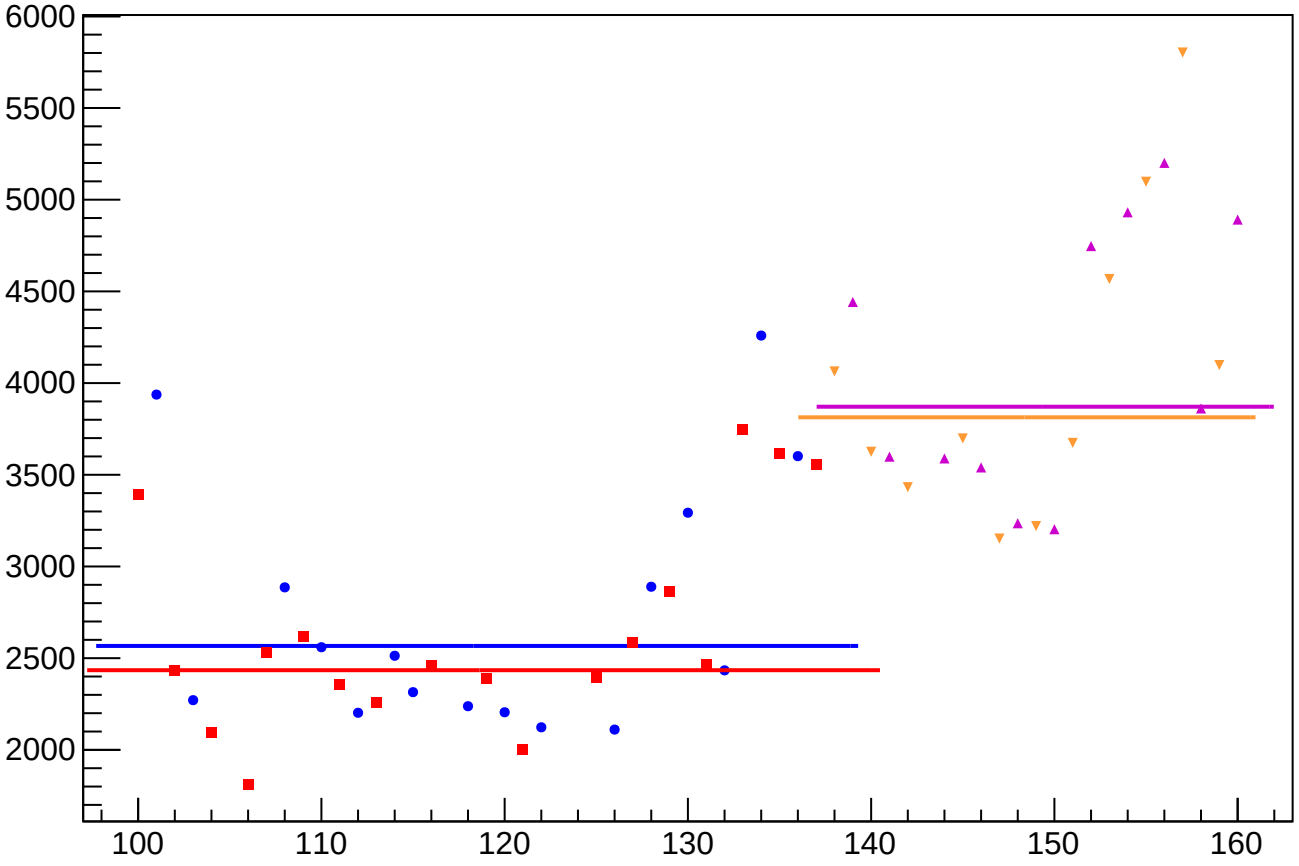
Left In: 1178.874+/-1273.579 χ^2/NDF:5.5/10

+ sign 418.172+/-786.352 χ^2/NDF: 34.3/26

All: 401.618+/-541.547 χ^2/NDF: 57.5/55

- 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: 3813.353+/-0.932 χ^2/NDF:501141.4/10

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

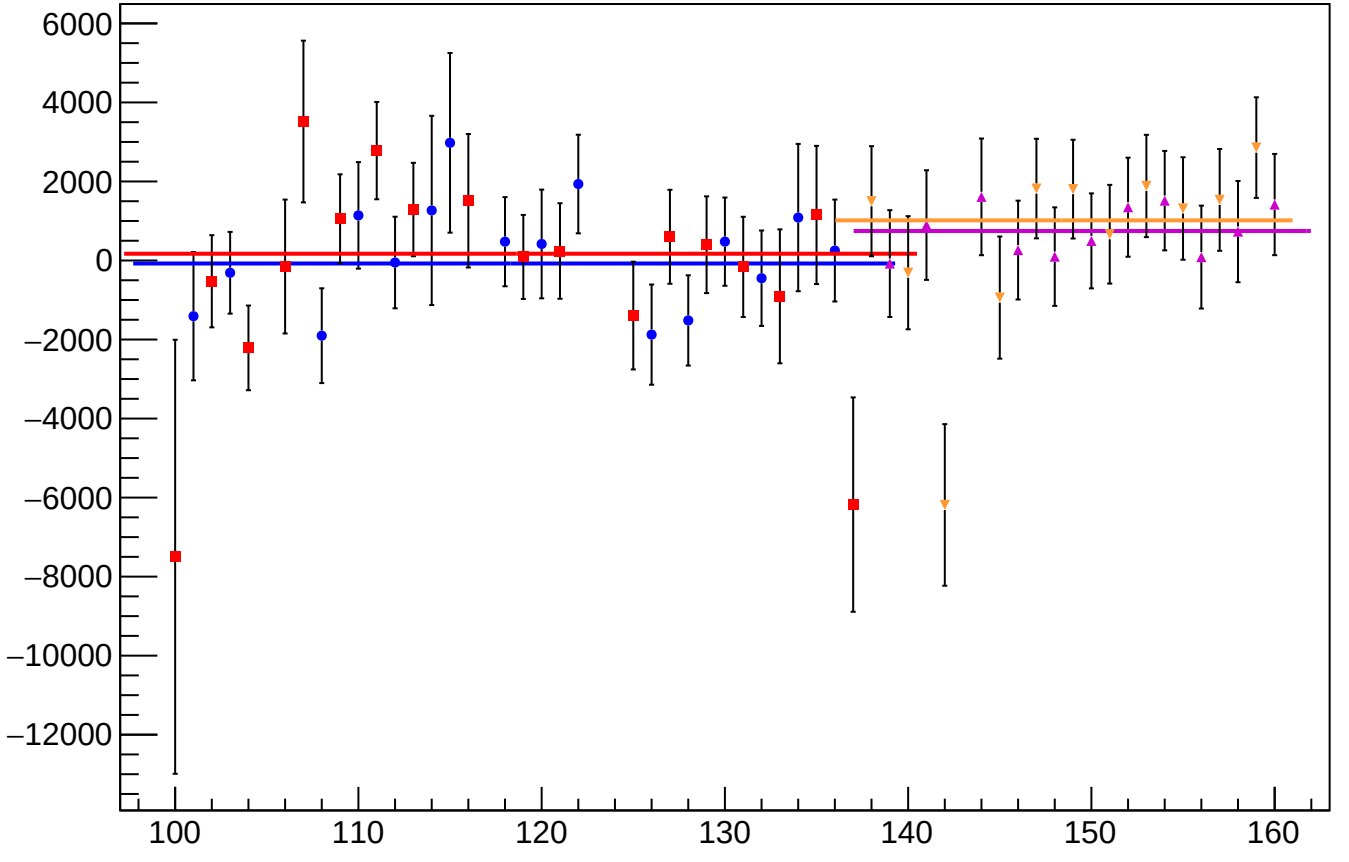
Left In: 3871.154+/-0.901 χ^2/NDF:525244.3/10

+ sign 3010.485+/-0.556 χ^2/NDF: 2319352.2/26

All: 2967.416+/-0.383 χ^2/NDF: 4959930.0/55

- 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: 1015.119+/-408.820 χ^2/NDF:18.6/10

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

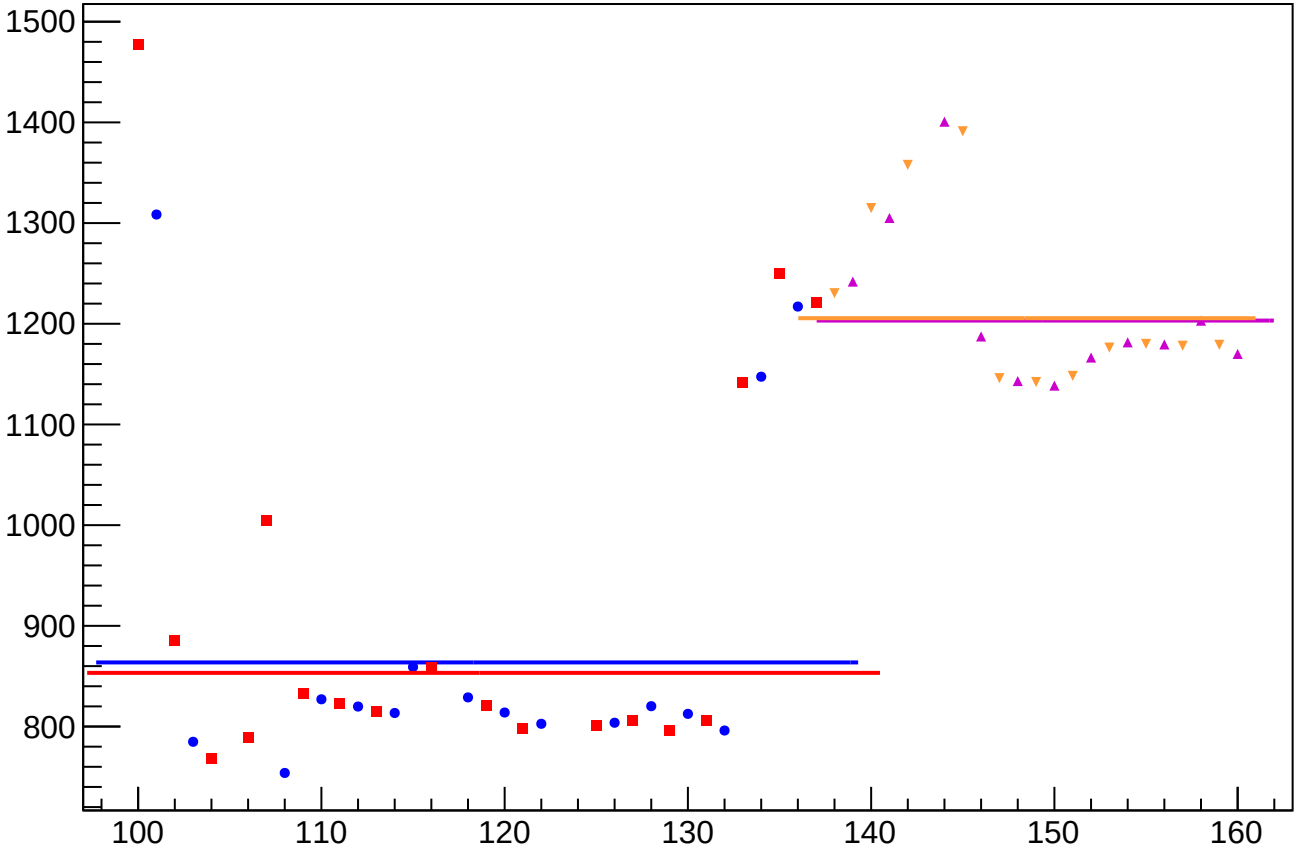
Left In: 746.684+/-389.871 χ^2/NDF:2.3/10

+ sign 348.471+/-254.992 χ^2/NDF: 36.3/26

All: 377.136+/-177.854 χ^2/NDF: 64.3/55

- 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: 1205.528+/-0.289 χ^2/NDF:69607.8/10

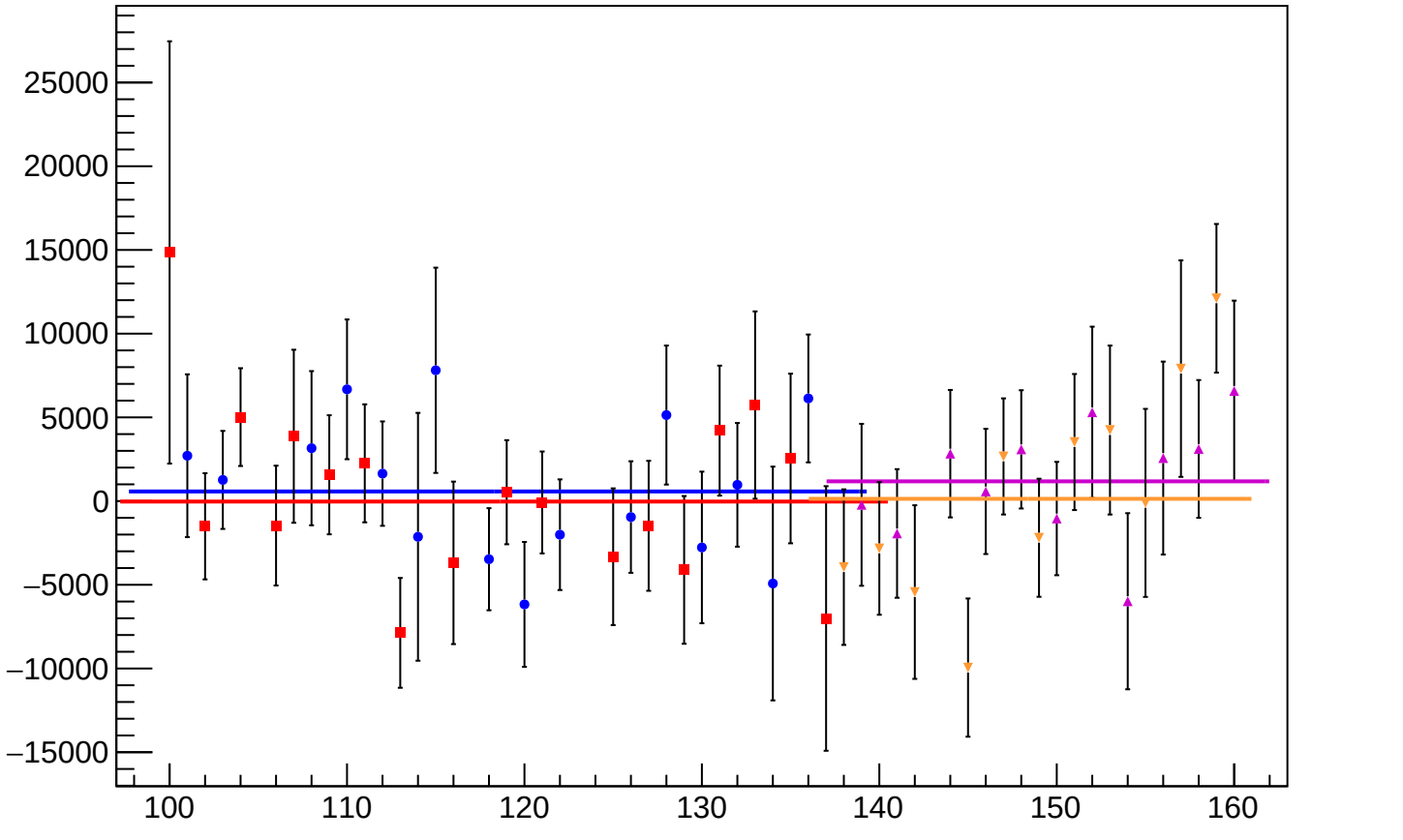
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1203.181+/-0.276 χ^2/NDF:63274.8/10

+ sign 996.660+/-0.180 χ^2/NDF: 1331574.7/26

All: 995.401+/-0.126 χ^2/NDF: 2632343.7/55

- 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: 134.493+/-1317.996 χ^2/NDF:19.5/10

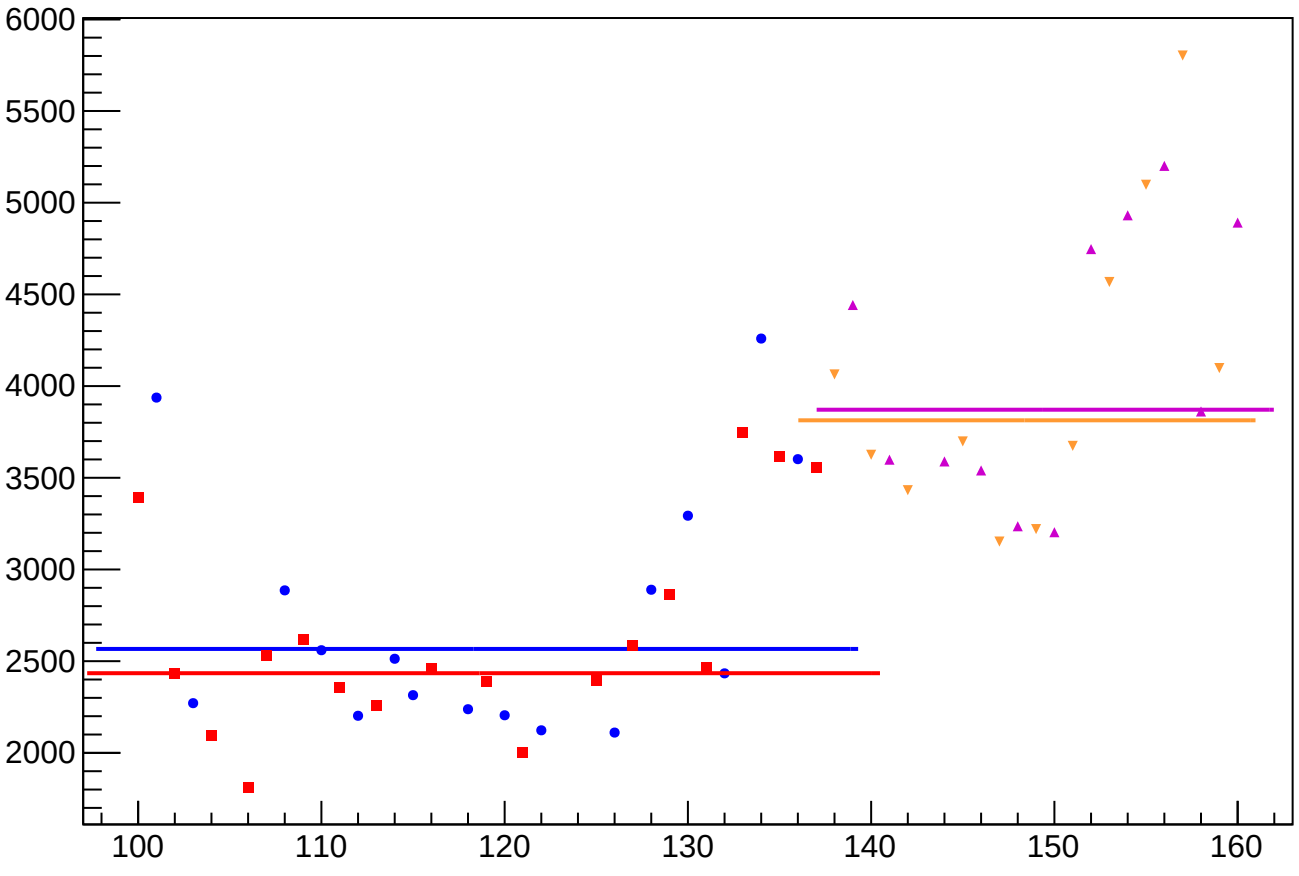
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 1178.874+/-1273.579 χ^2/NDF:5.5/10

+ sign 418.172+/-786.352 χ^2/NDF: 34.3/26

All: 401.618+/-541.547 χ^2/NDF: 57.5/55

- sign 386.683+/-746.896 χ^2/NDF: 23.3/28



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3813.353+/-0.932 χ^2/NDF:501141.4/10

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

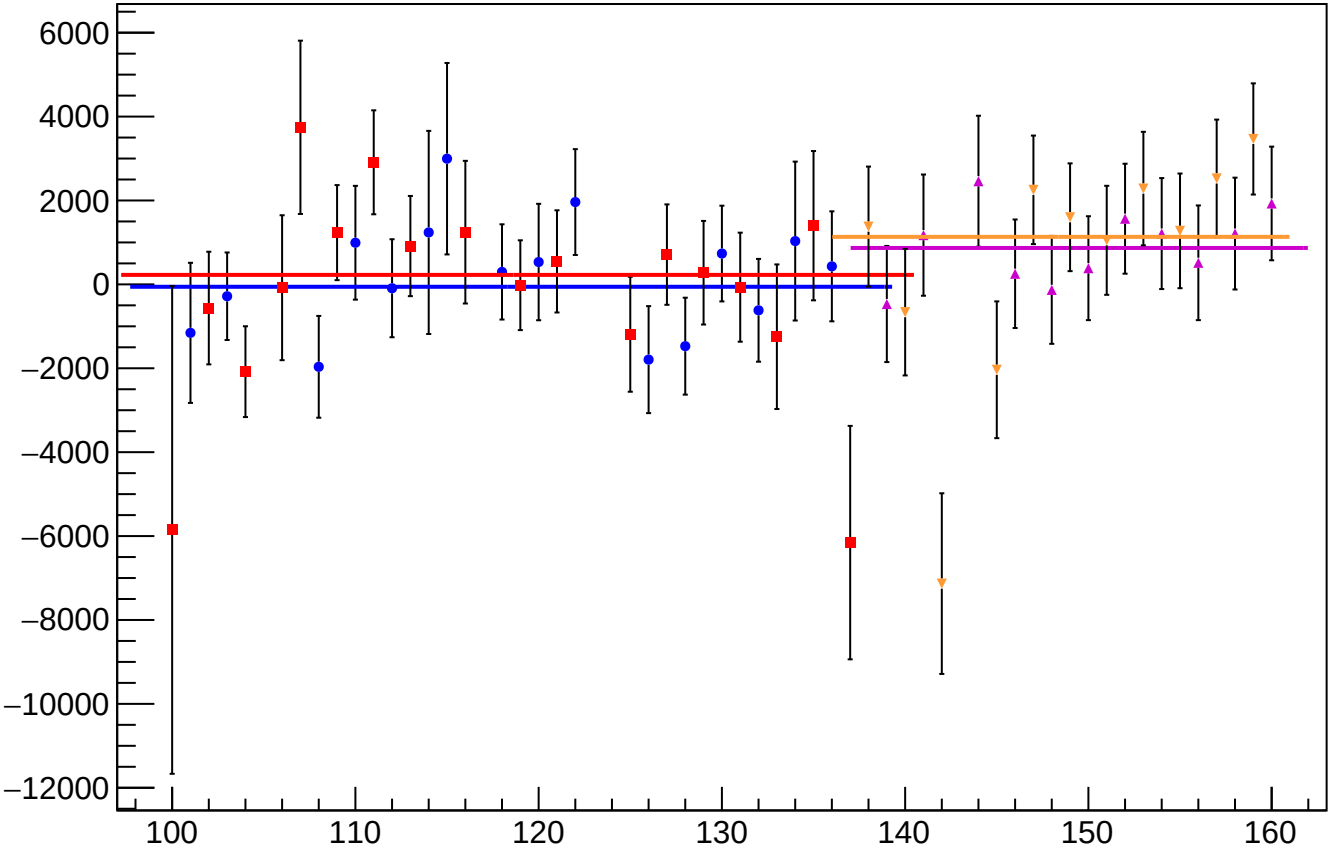
Left In: 3871.154+/-0.901 χ^2/NDF:525244.3/10

+ sign 3010.485+/-0.556 χ^2/NDF: 2319352.2/26

All: 2967.416+/-0.383 χ^2/NDF: 4959930.0/55

- sign 2928.562+/-0.528 χ^2/NDF: 2629165.8/28

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 1132.773+/-427.419 χ^2/NDF:25.7/10

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

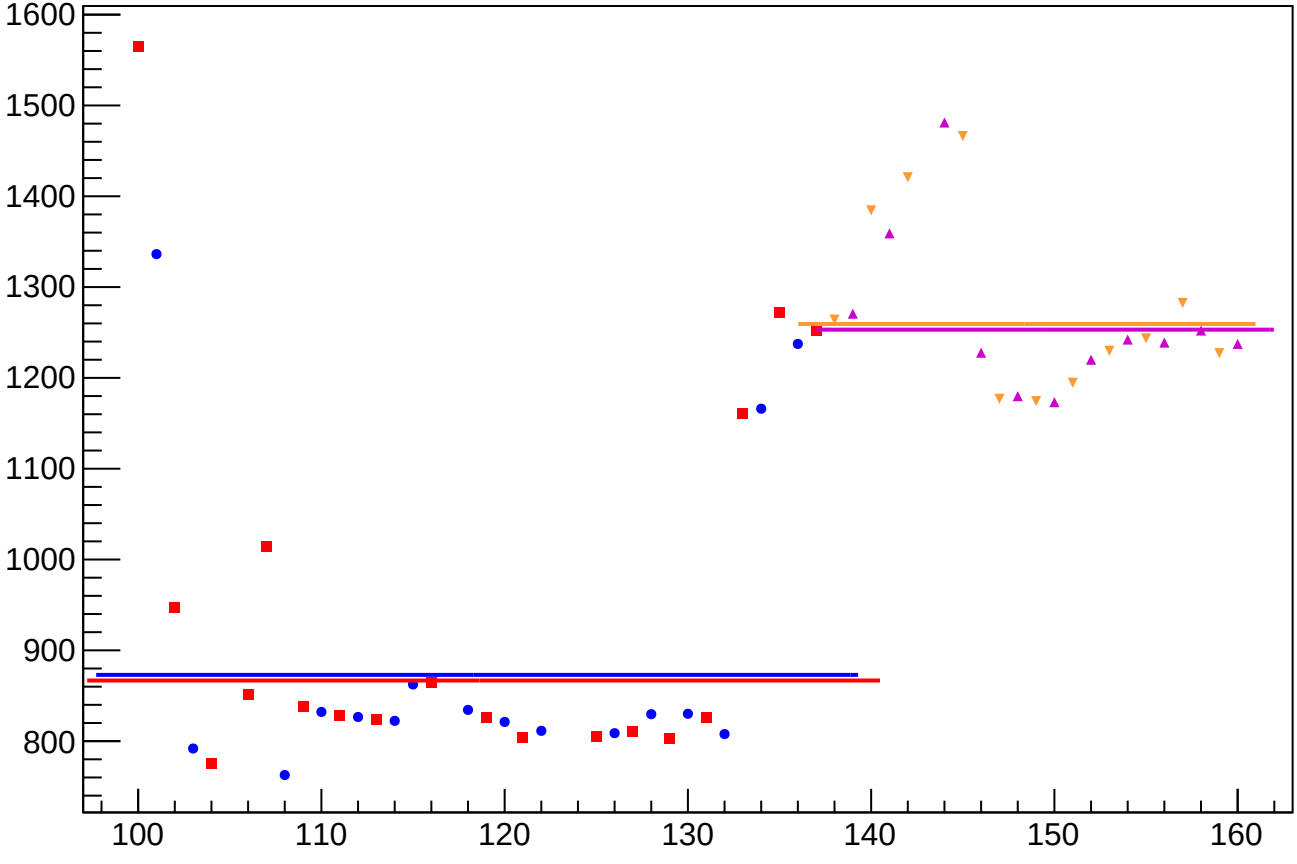
Left In: 868.202+/-406.187 χ^2/NDF:4.1/10

+ sign 387.367+/-261.250 χ^2/NDF: 43.5/26

All: 434.553+/-182.562 χ^2/NDF: 72.1/55

- 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: 1259.363+/-0.302 χ^2/NDF:82024.2/10

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

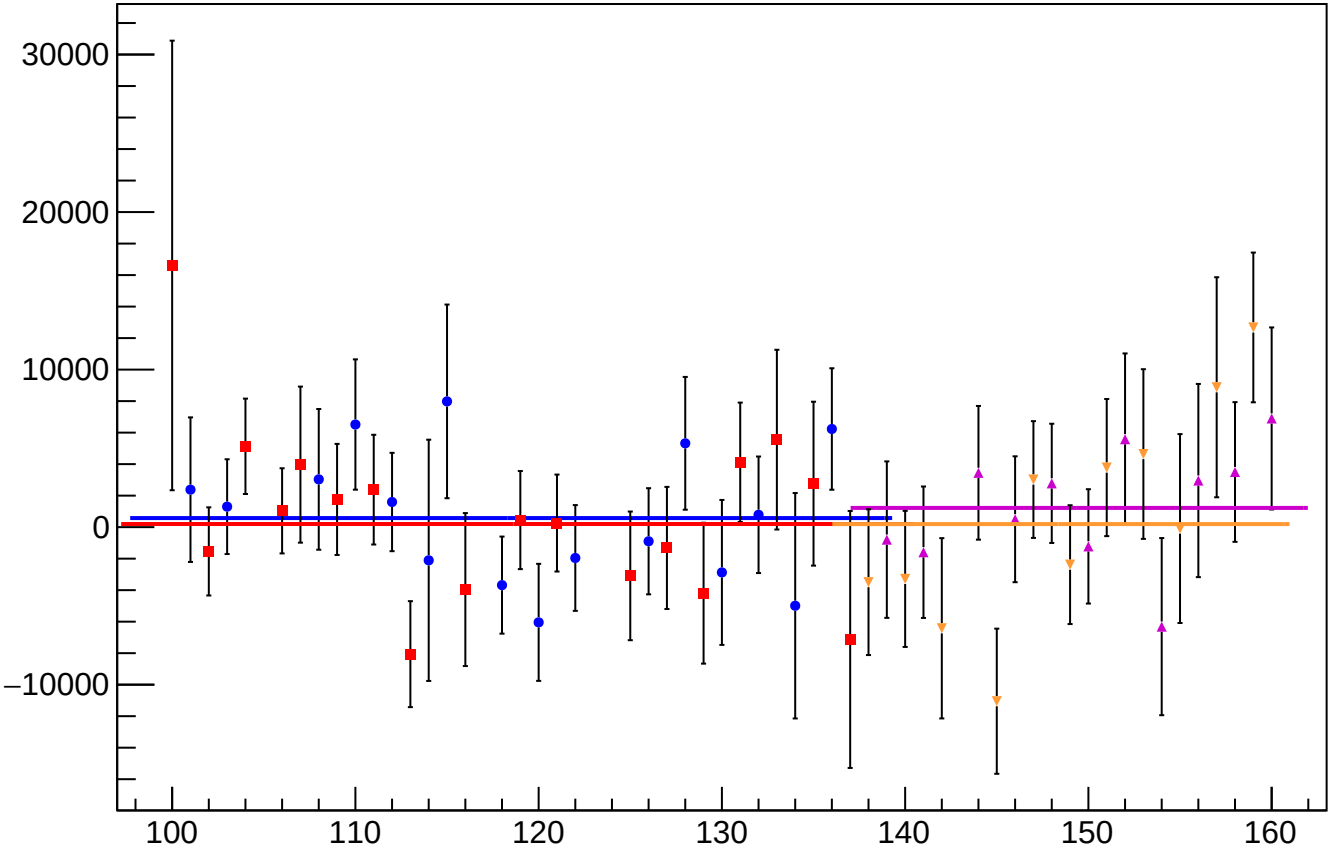
Left In: 1253.123+/-0.287 χ^2/NDF:71252.8/10

+ sign 1017.327+/-0.185 χ^2/NDF: 1522962.6/26

All: 1018.245+/-0.129 χ^2/NDF: 2980572.1/55

- 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: 193.779+/-1412.813 χ^2/NDF:19.4/10

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

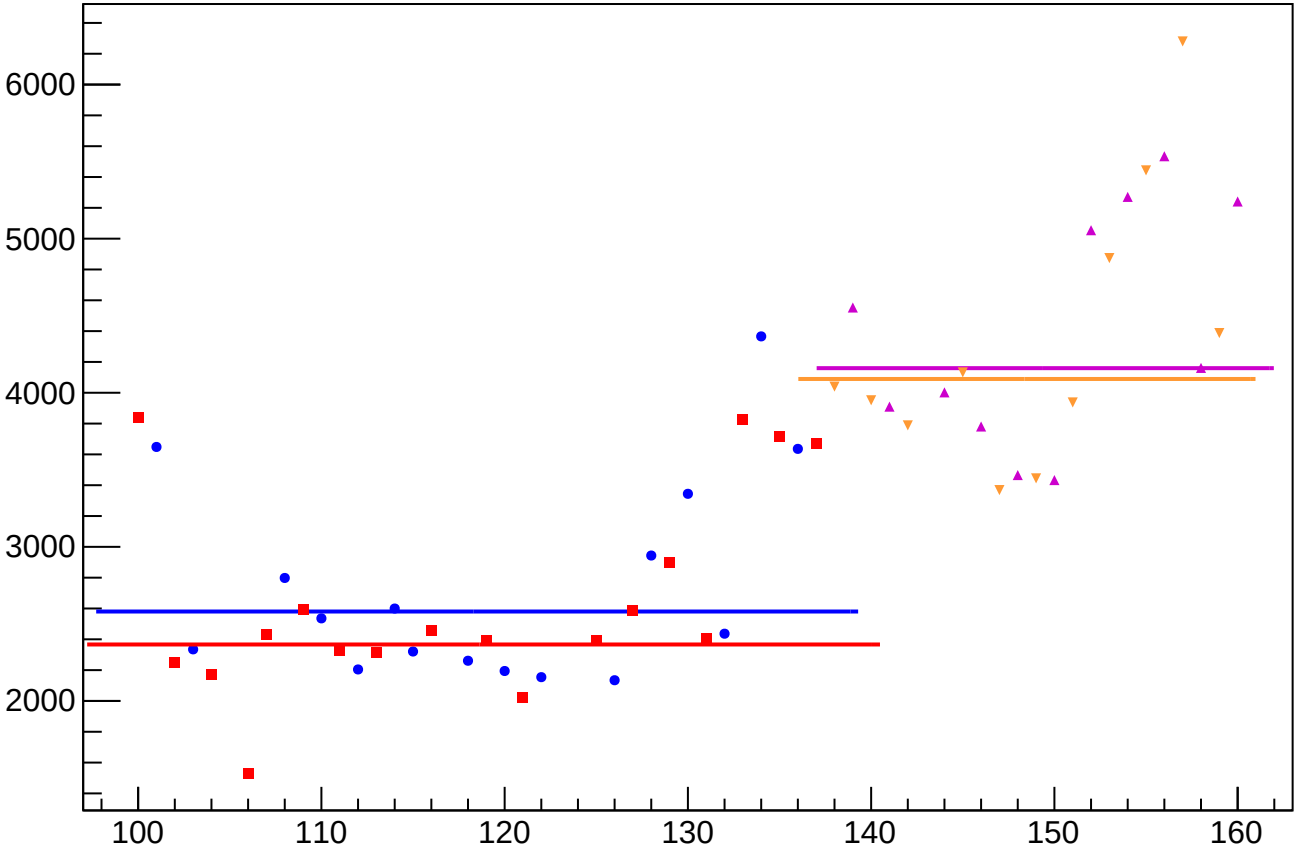
Left In: 1220.215+/-1367.499 χ^2/NDF:5.3/10

+ sign 450.509+/-807.947 χ^2/NDF: 34.2/26

All: 479.352+/-549.027 χ^2/NDF: 57.0/55

- 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: 4089.441+/-0.999 χ^2/NDF:493624.1/10

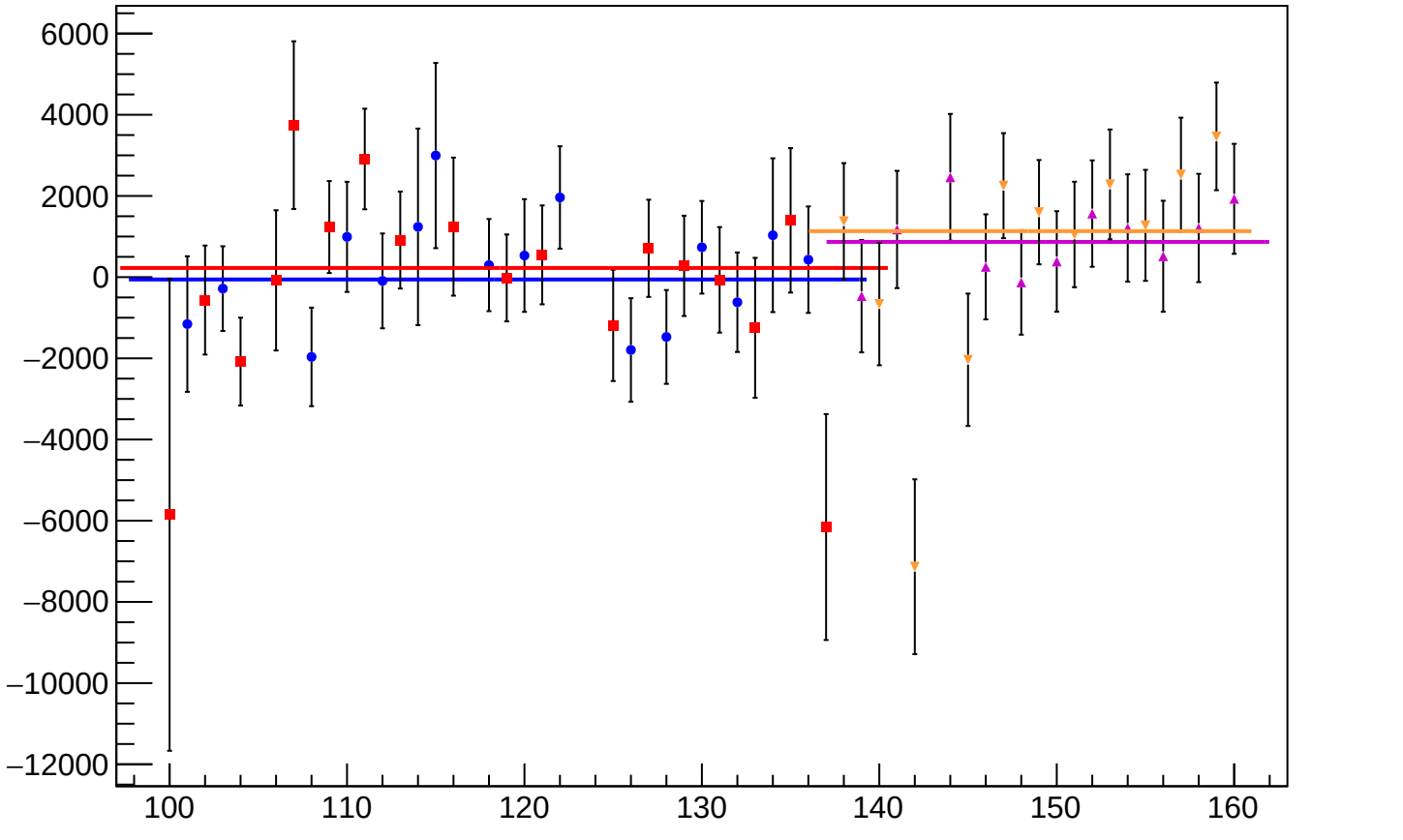
Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4159.612+/-0.967 χ^2/NDF:490652.9/10

+ sign 3073.896+/-0.571 χ^2/NDF: 2646343.9/26

All: 2982.147+/-0.388 χ^2/NDF: 6205718.6/55

- sign 2903.432+/-0.529 χ^2/NDF: 3511456.9/28



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 1132.773+/-427.419 χ^2/NDF:25.7/10

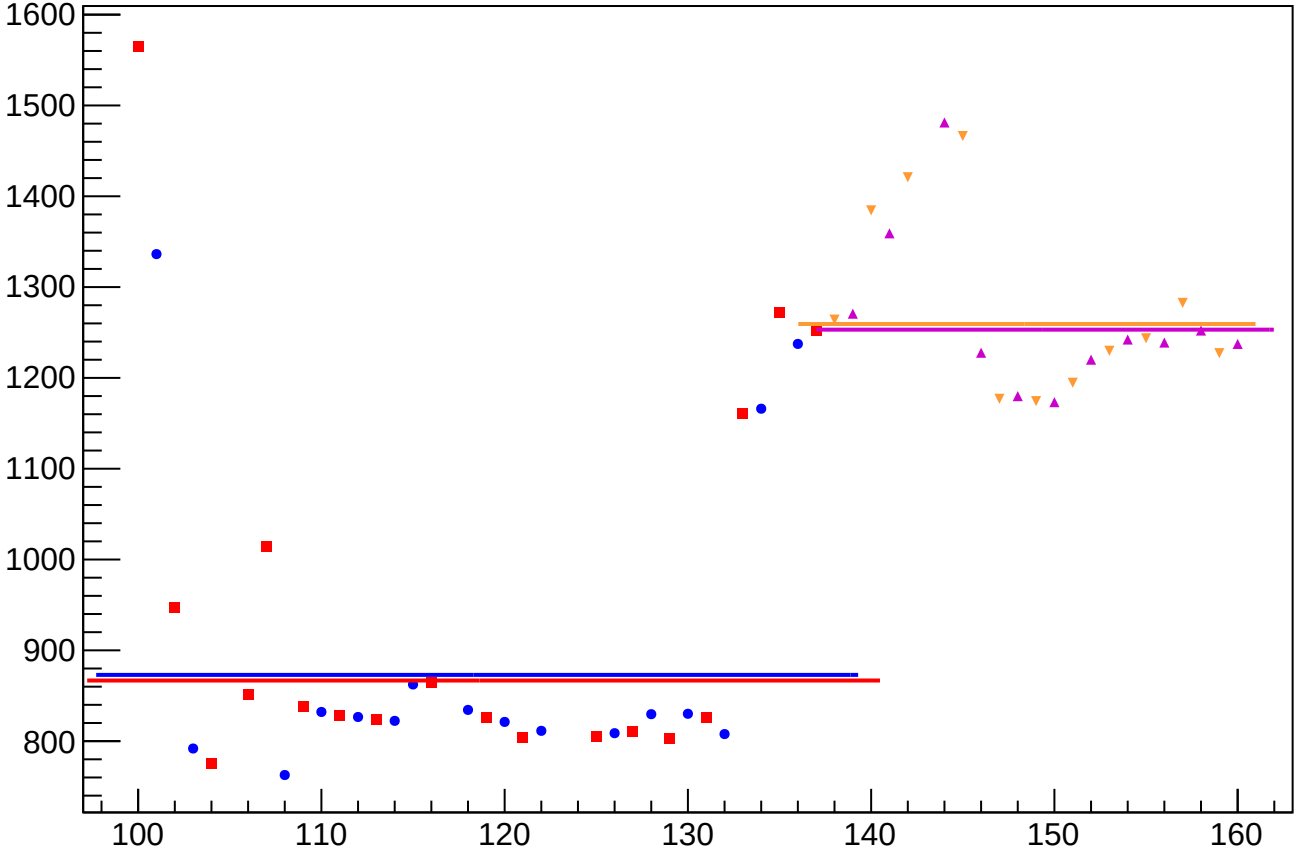
Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: 868.202+/-406.187 χ^2/NDF:4.1/10

\+ sign 387.364+/-261.250 χ^2/NDF: 43.5/26

All: 434.553+/-182.562 χ^2/NDF: 72.1/55

\- sign 479.588+/-255.220 χ^2/NDF: 28.5/28



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1259.365+/-0.302 χ^2/NDF:82025.6/10

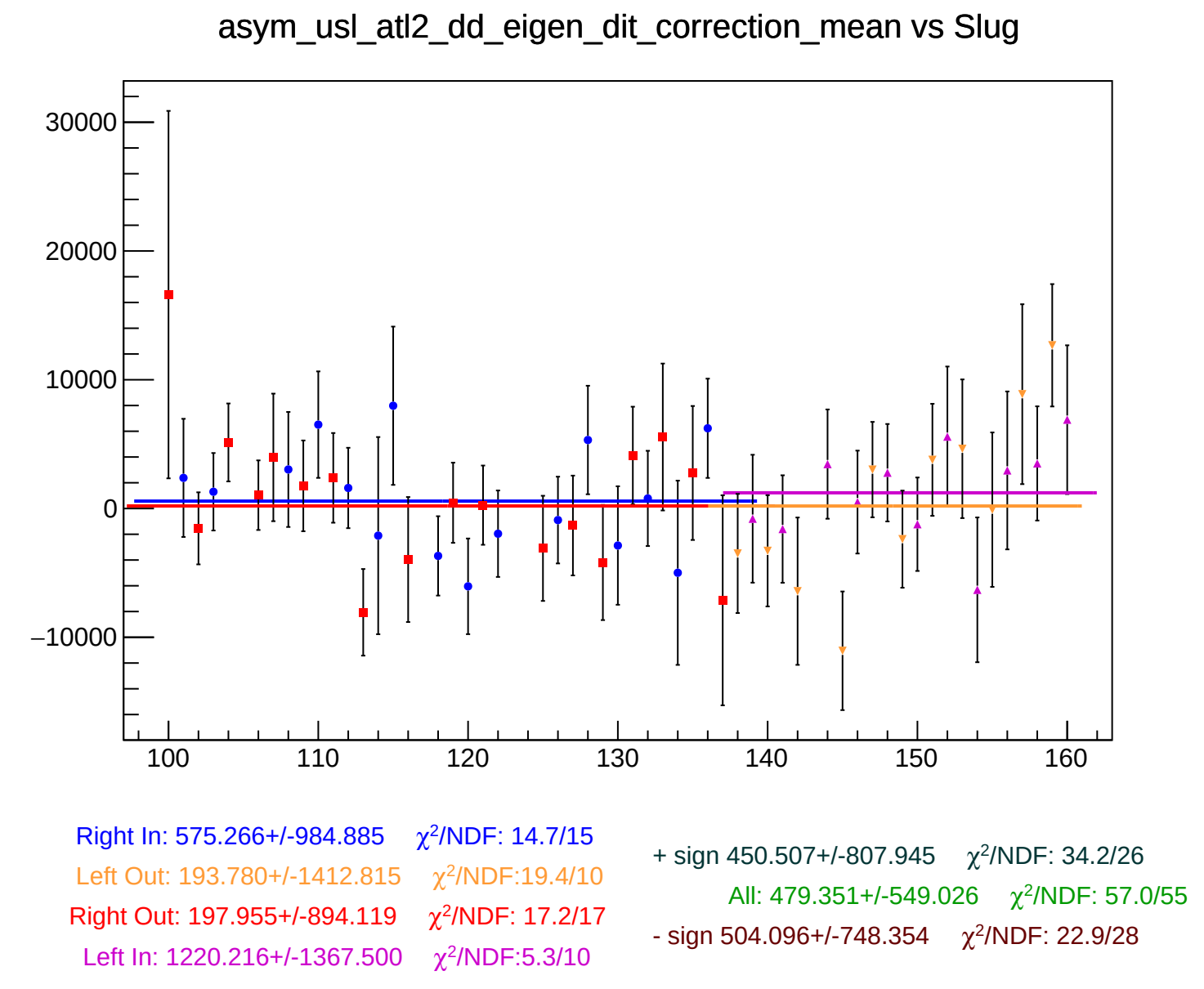
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

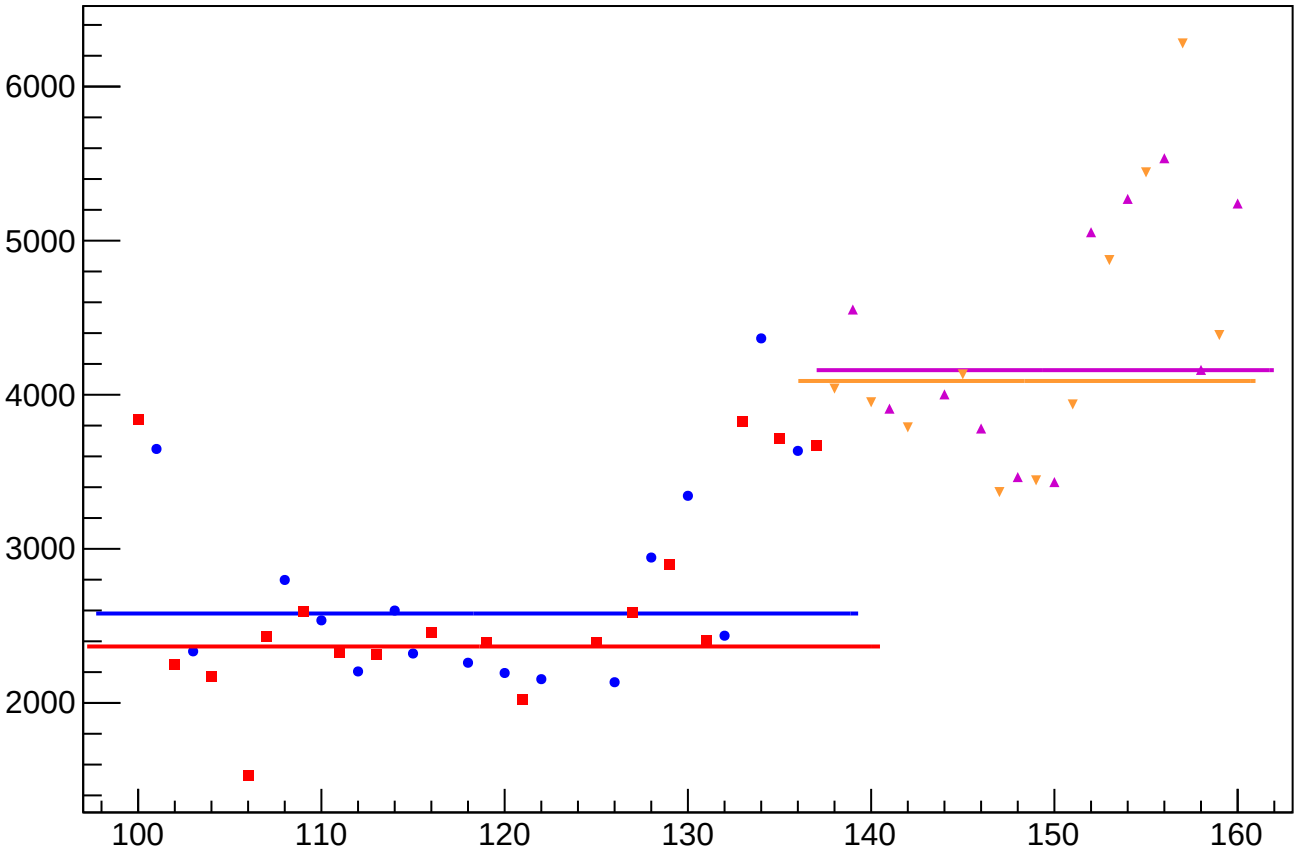
Left In: 1253.124+/-0.287 χ^2/NDF:71253.5/10

+ sign 1017.327+/-0.185 χ^2/NDF: 1522969.3/26

All: 1018.246+/-0.129 χ^2/NDF: 2980585.5/55

- sign 1019.121+/-0.180 χ^2/NDF: 1457567.9/28


asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 575.266+/-984.885 χ²/NDF: 14.7/15
Left Out: 193.780+/-1412.815 χ²/NDF:19.4/10
Right Out: 197.955+/-894.119 χ²/NDF: 17.2/17
Left In: 1220.216+/-1367.500 χ²/NDF:5.3/10
+ sign 450.507+/-807.945 χ²/NDF: 34.2/26
All: 479.351+/-549.026 χ²/NDF: 57.0/55
- sign 504.096+/-748.354 χ²/NDF: 22.9/28



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4089.447+/-0.999 χ^2/NDF:493626.9/10

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

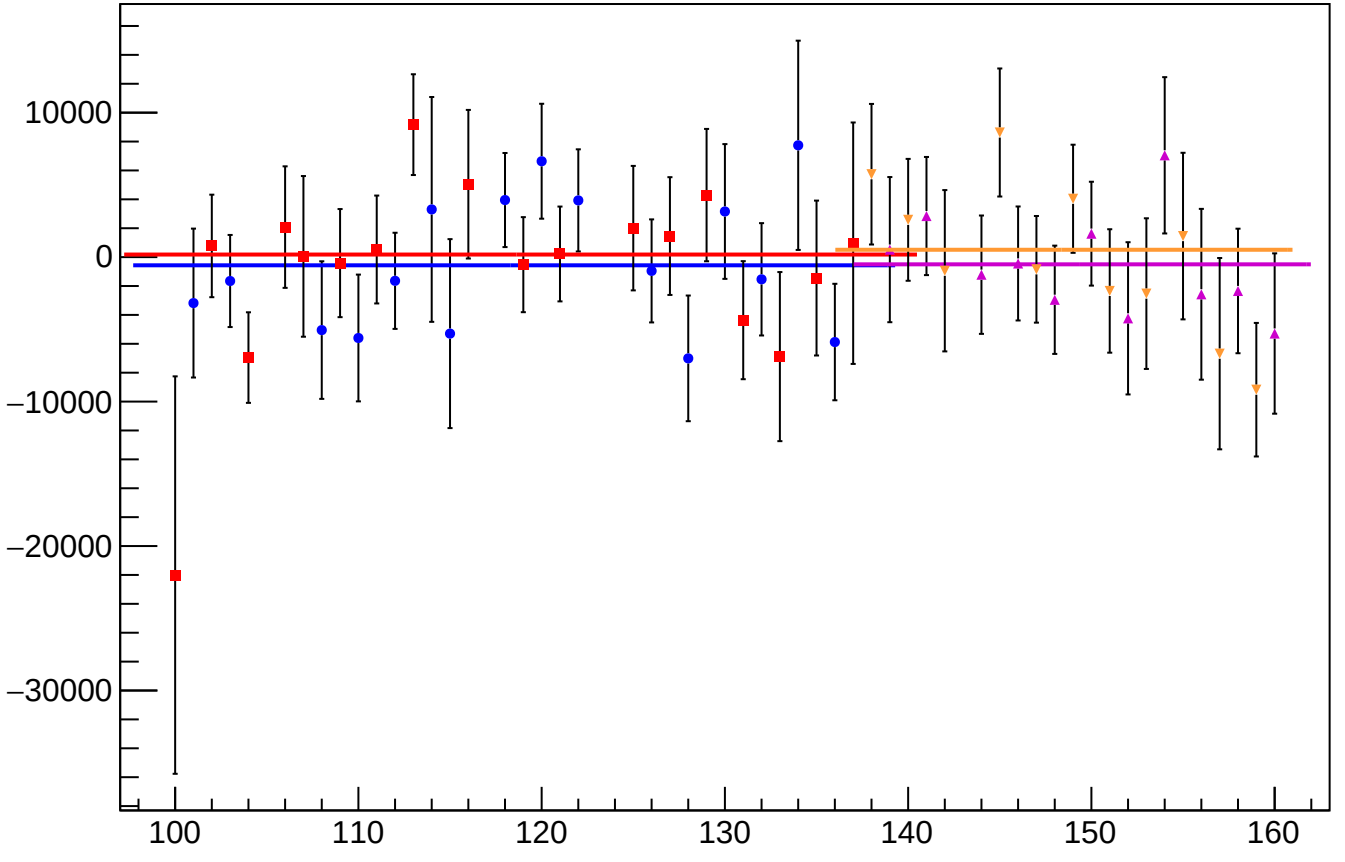
Left In: 4159.617+/-0.967 χ^2/NDF:490656.2/10

+ sign 3073.889+/-0.571 χ^2/NDF: 2646382.3/26

All: 2982.140+/-0.388 χ^2/NDF: 6205795.3/55

- sign 2903.426+/-0.529 χ^2/NDF: 3511495.3/28

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 509.329+/-1390.142 χ^2/NDF:12.2/10

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

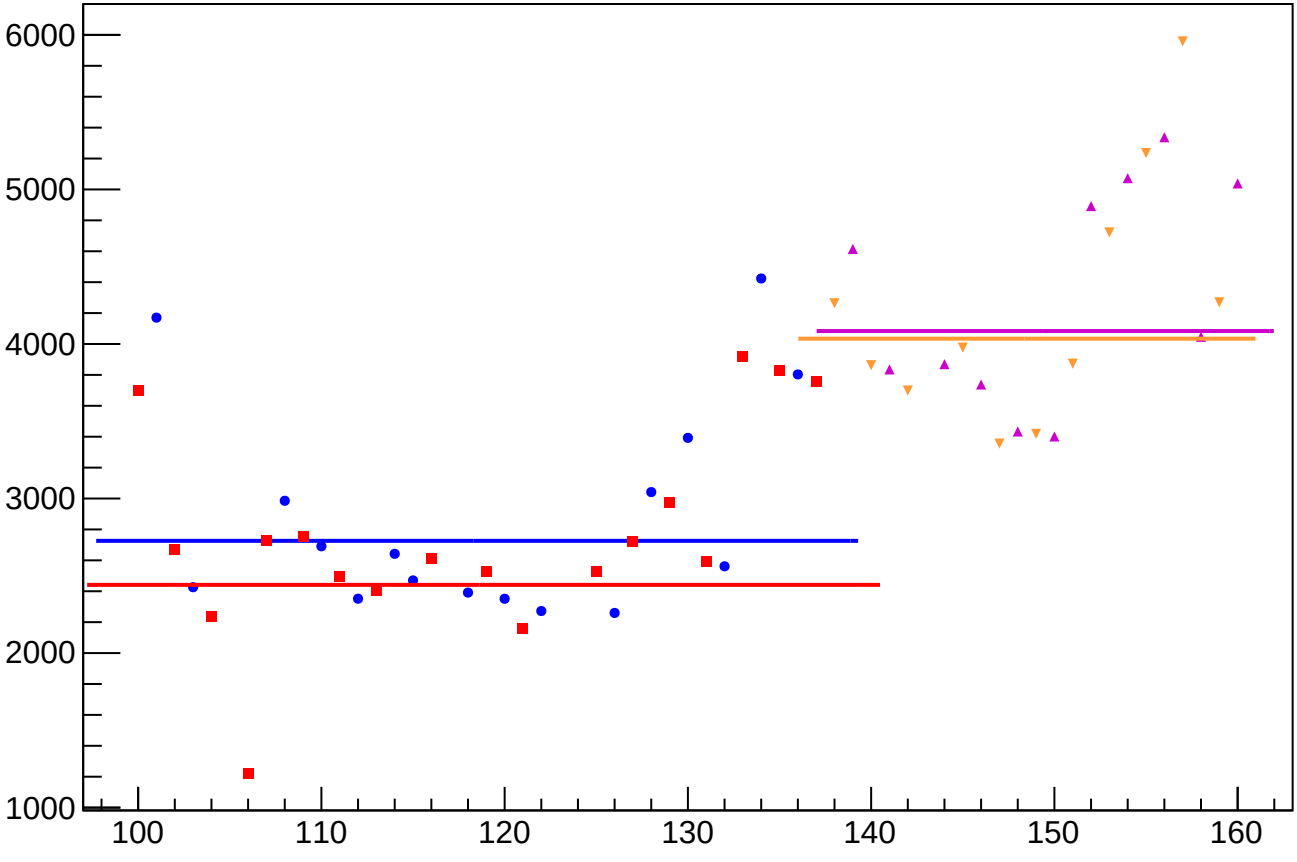
Left In: -499.157+/-1339.955 χ^2/NDF:5.0/10

+ sign -180.033+/-832.910 χ^2/NDF: 28.8/26

All: -117.375+/-575.241 χ^2/NDF: 53.5/55

- 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: 4034.374+/-0.983 χ^2/NDF:435478.0/10

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

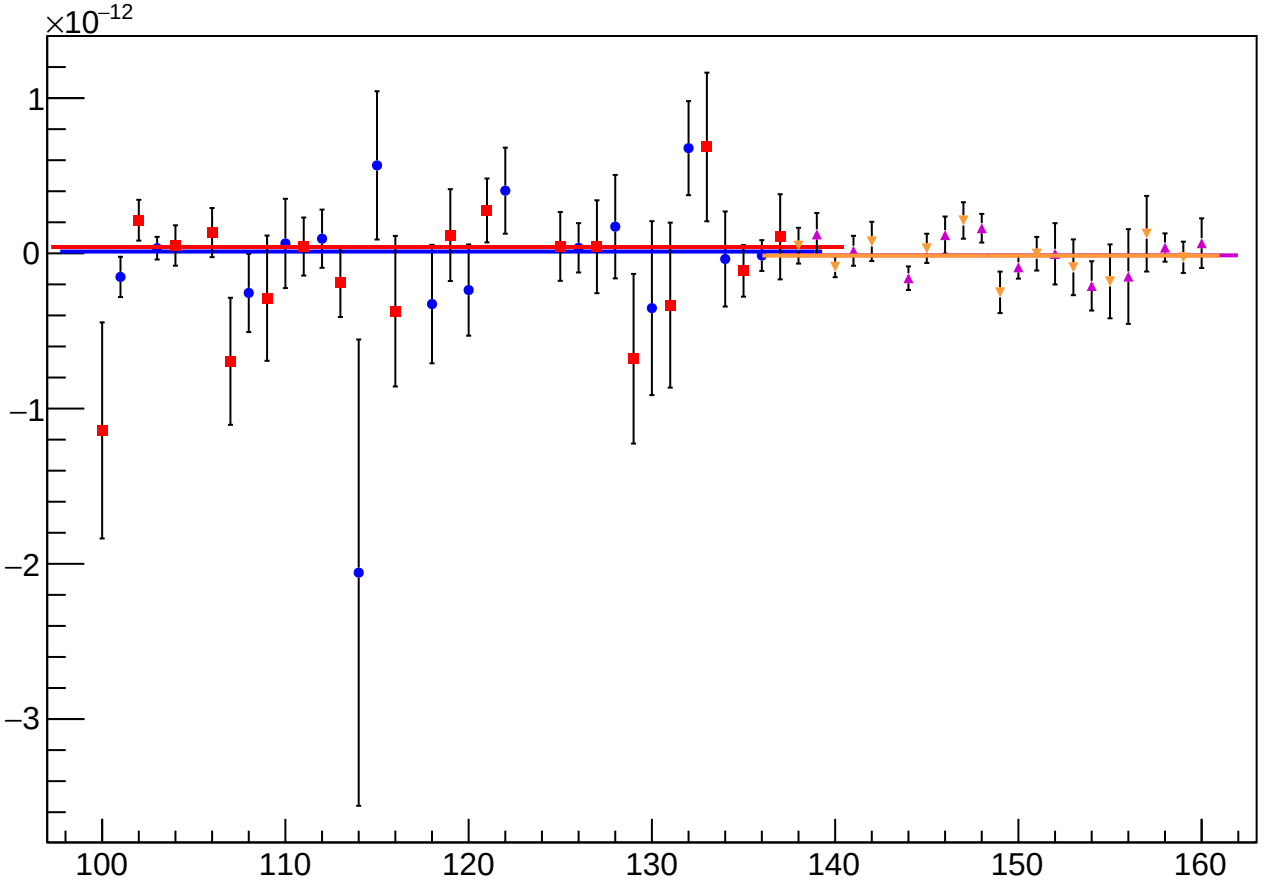
Left In: 4083.703+/-0.947 χ^2/NDF:446157.1/10

+ sign 3195.836+/-0.589 χ^2/NDF: 2193803.3/26

All: 3082.598+/-0.400 χ^2/NDF: 5608829.4/55

- sign 2985.499+/-0.545 χ^2/NDF: 3346360.5/28

asym_usl_atl2_dd_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:10.1/10

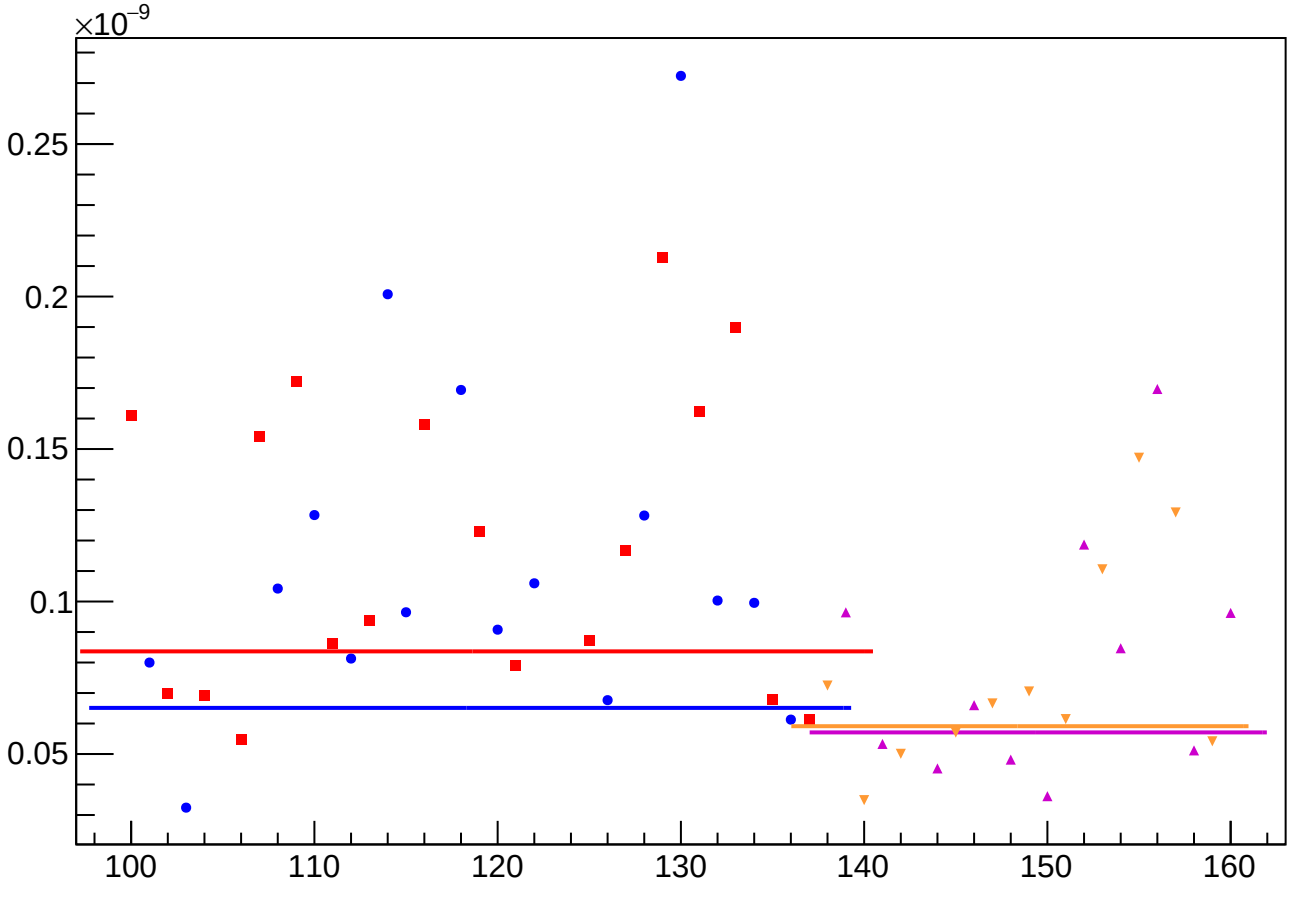
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 25.7/26

All: -0.000+/-0.000 χ^2/NDF: 56.4/55

- 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:932254.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

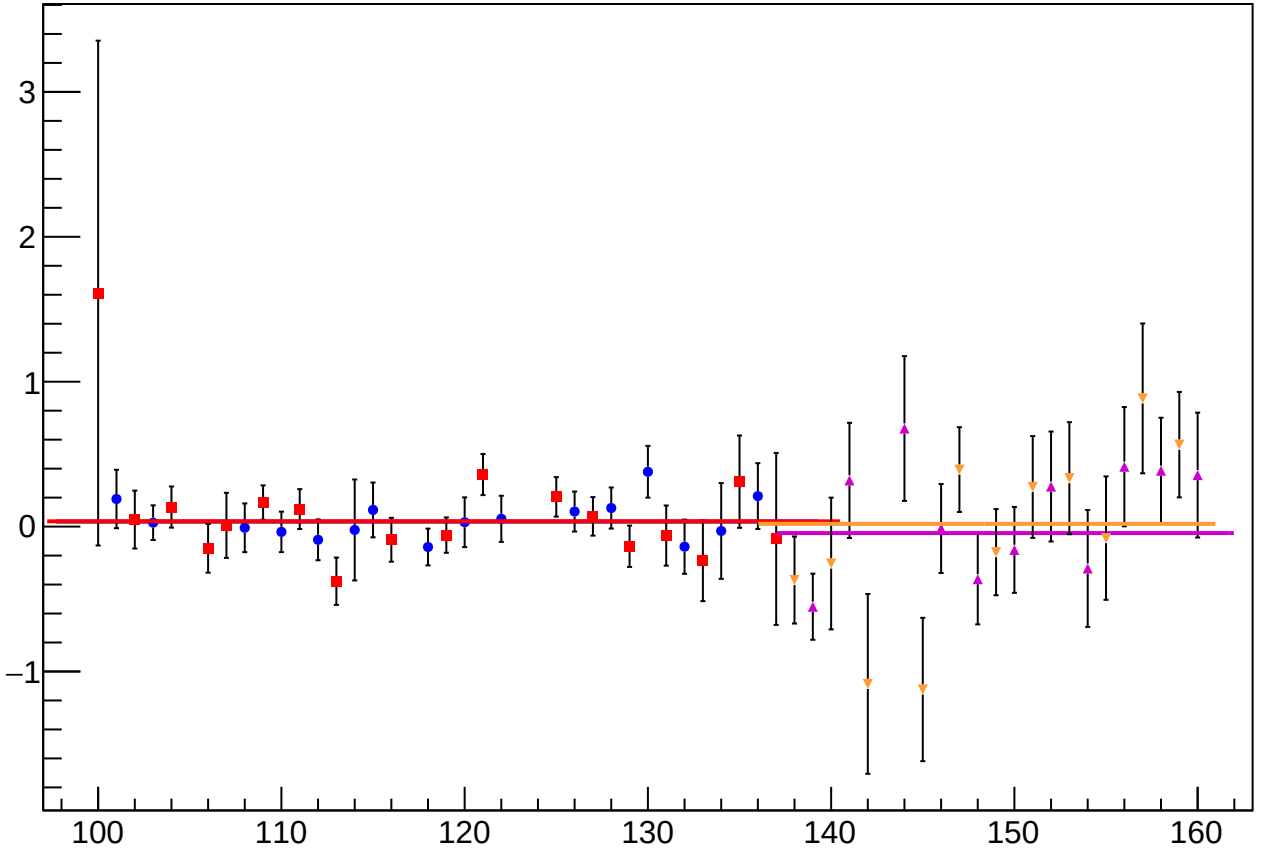
Left In: 0.000+/-0.000 χ^2/NDF:1064967.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 2177998.0/26

All: 0.000+/-0.000 χ^2/NDF: 4307455.6/55

- 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: 0.019+/-0.114 χ^2/NDF:18.9/10

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

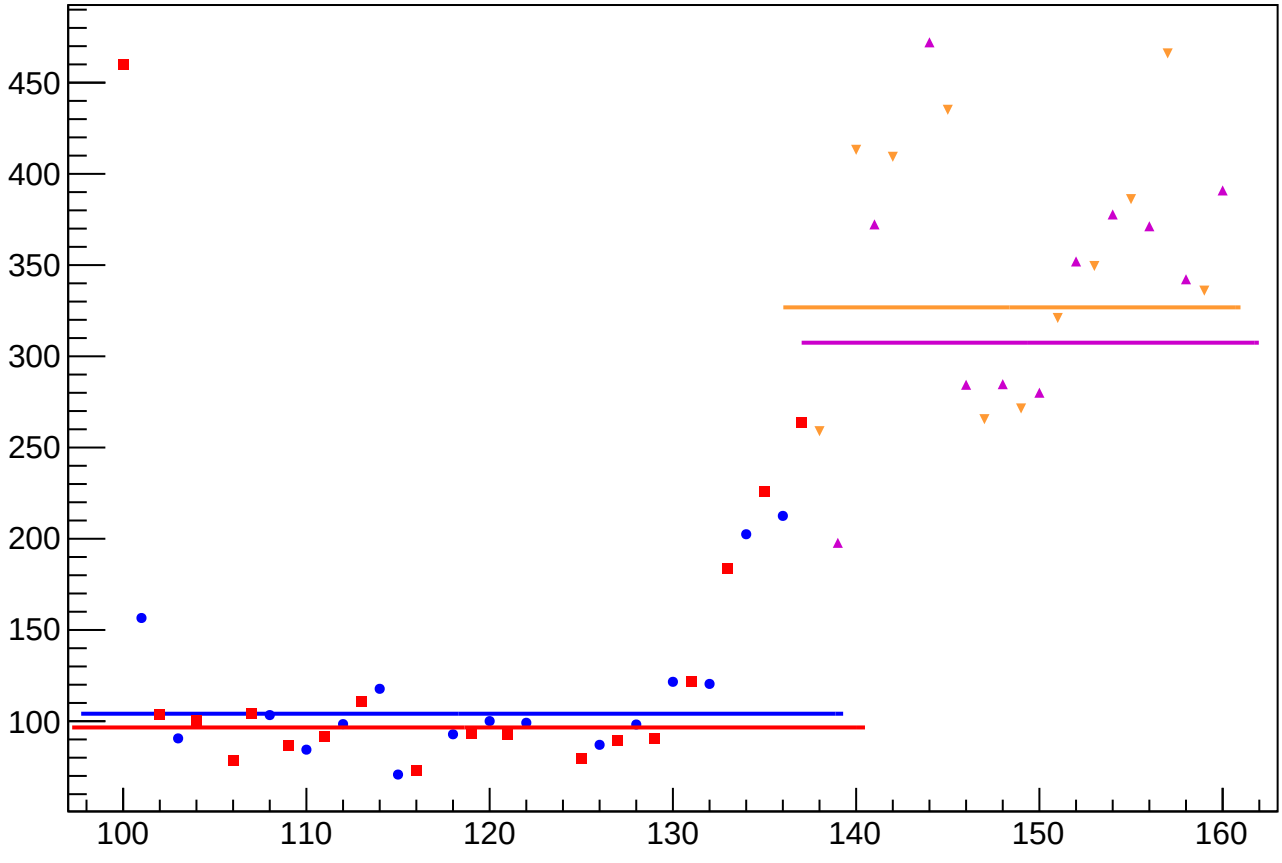
Left In: -0.045+/-0.103 χ^2/NDF:13.7/10

+ sign 0.033+/-0.039 χ^2/NDF: 28.7/26

All: 0.030+/-0.026 χ^2/NDF: 65.0/55

- 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: 326.830+/-0.080 χ^2/NDF:655254.0/10

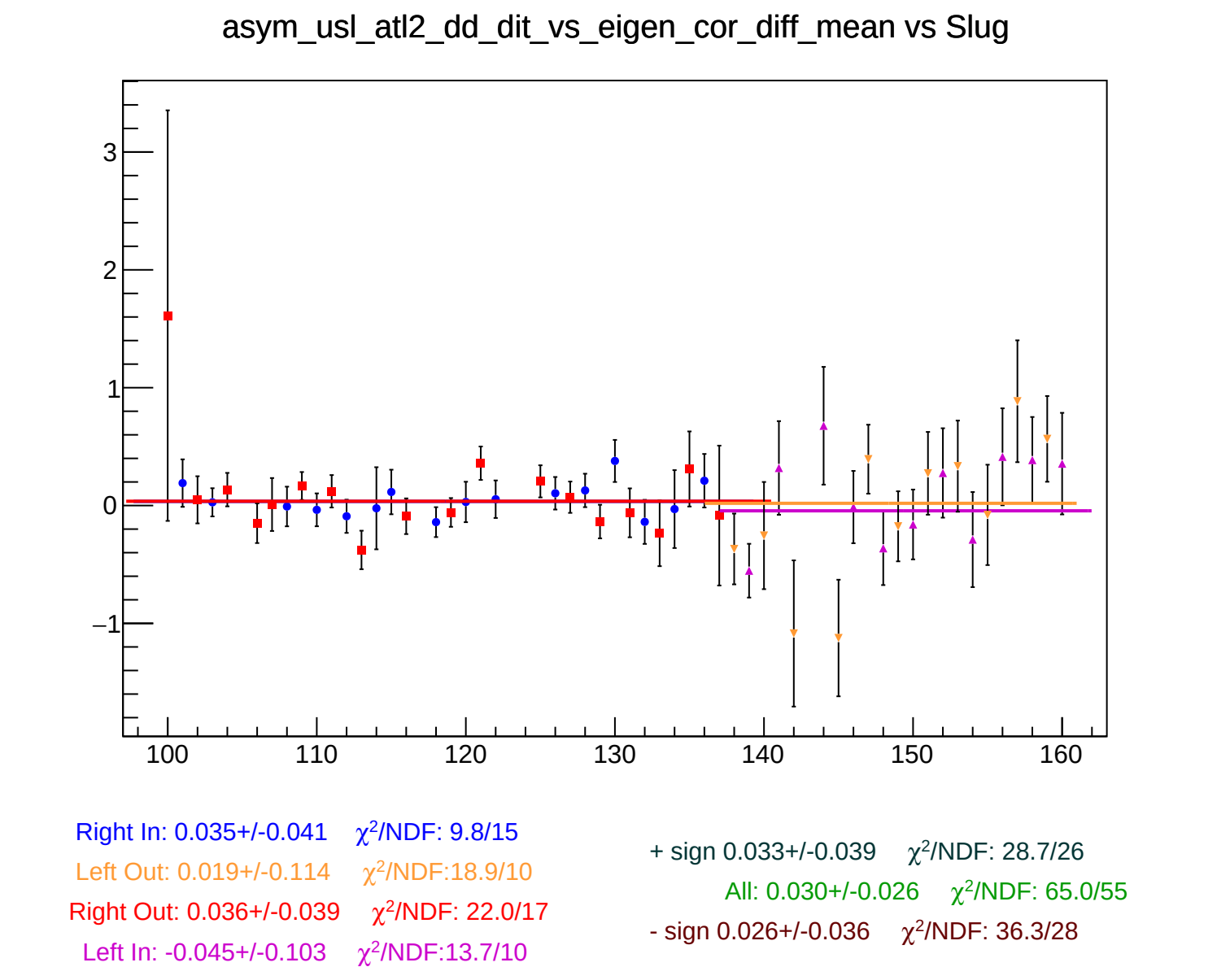
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

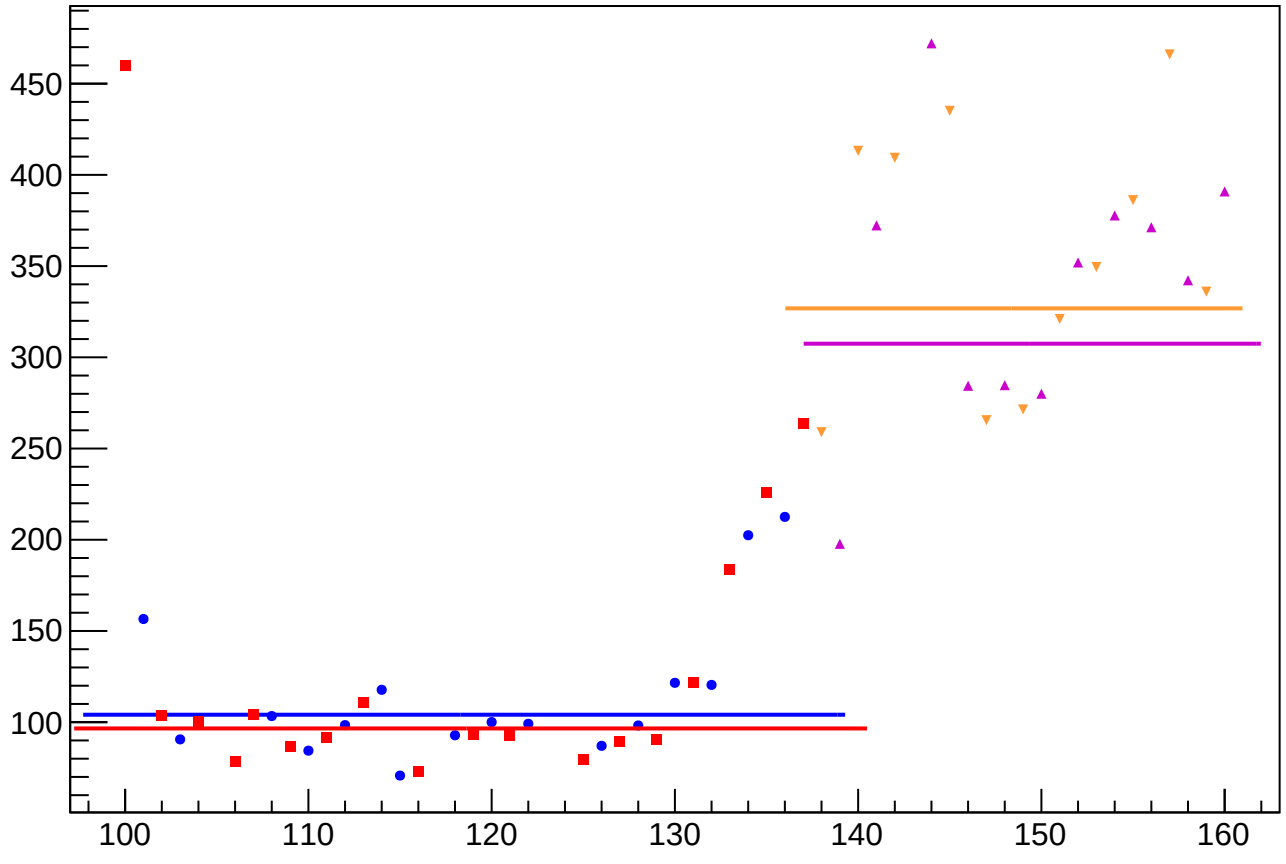
Left In: 307.461+/-0.073 χ^2/NDF:1001380.5/10

+ sign 129.722+/-0.027 χ^2/NDF: 8424845.7/26

All: 126.037+/-0.019 χ^2/NDF: 17716393.2/55

- sign 122.759+/-0.026 χ^2/NDF: 9257108.4/28


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.019+/-0.114 χ²/NDF:18.9/10
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.045+/-0.103 χ²/NDF:13.7/10
+ sign 0.033+/-0.039 χ²/NDF: 28.7/26
All: 0.030+/-0.026 χ²/NDF: 65.0/55
- sign 0.026+/-0.036 χ²/NDF: 36.3/28



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 326.830+/-0.080 χ^2/NDF:655254.0/10

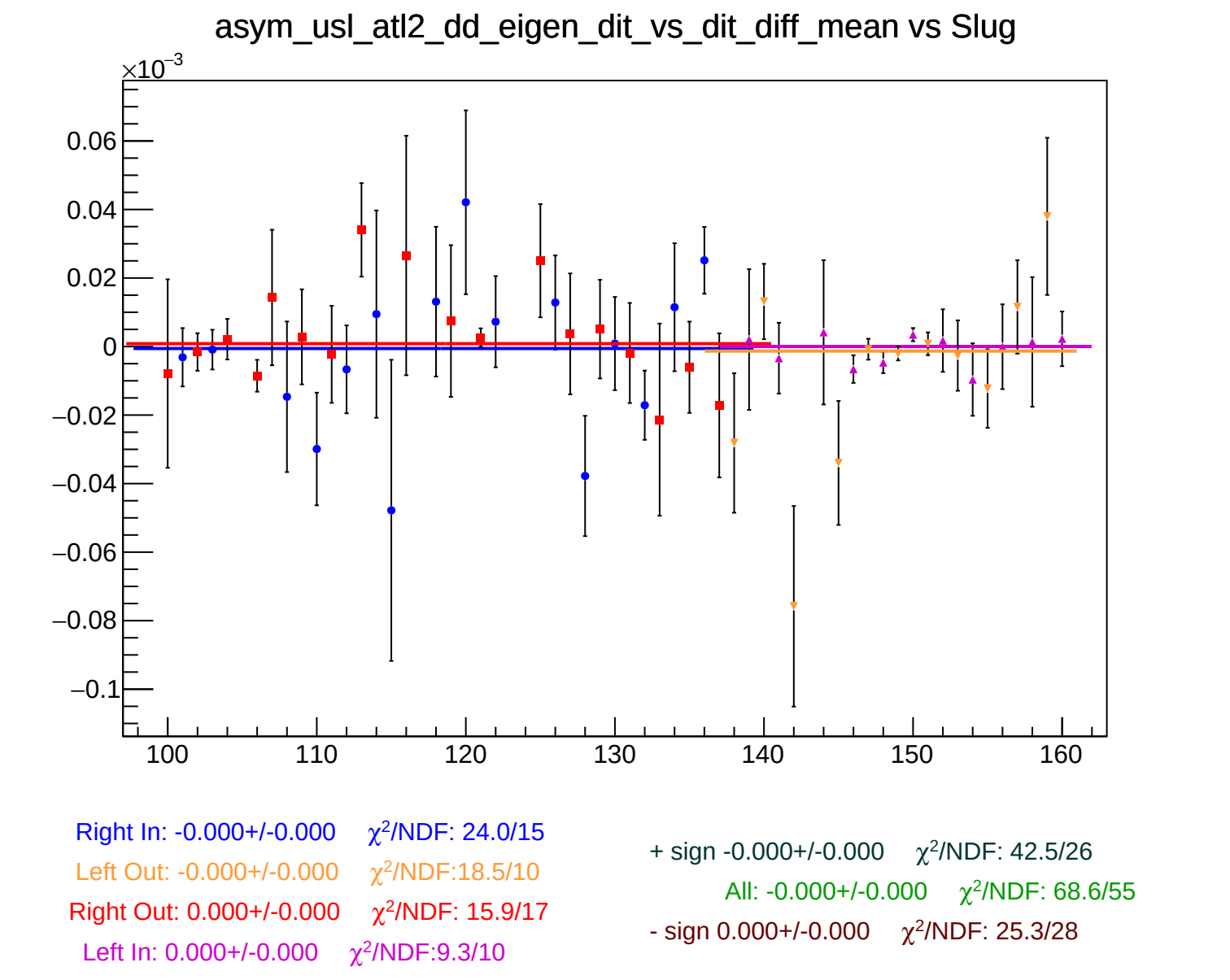
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 307.461+/-0.073 χ^2/NDF:1001380.5/10

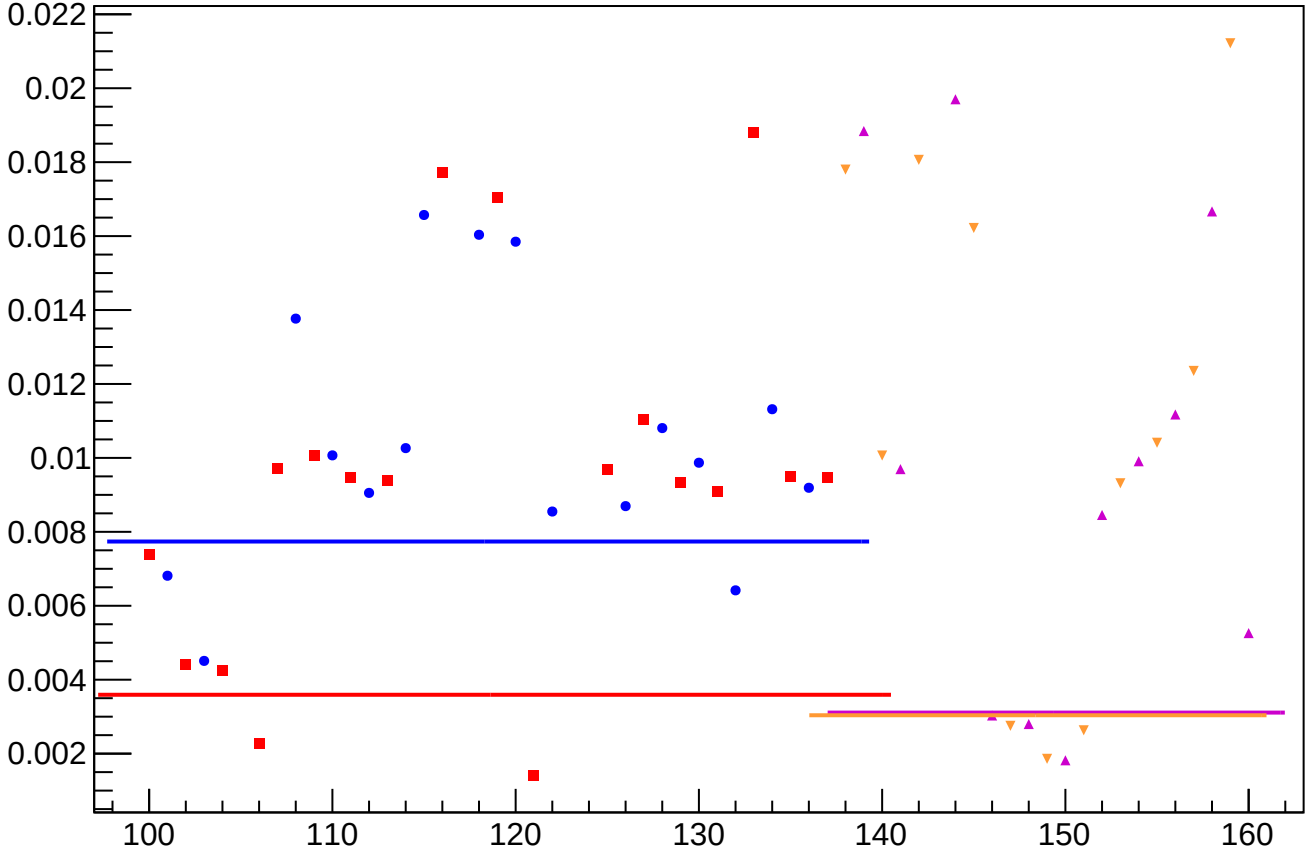
+ sign 129.722+/-0.027 χ^2/NDF: 8424845.7/26

All: 126.037+/-0.019 χ^2/NDF: 17716393.2/55

- 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
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:18.5/10
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: 42.5/26
All: -0.000+/-0.000 χ²/NDF: 68.6/55
- 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:7936434.0/10

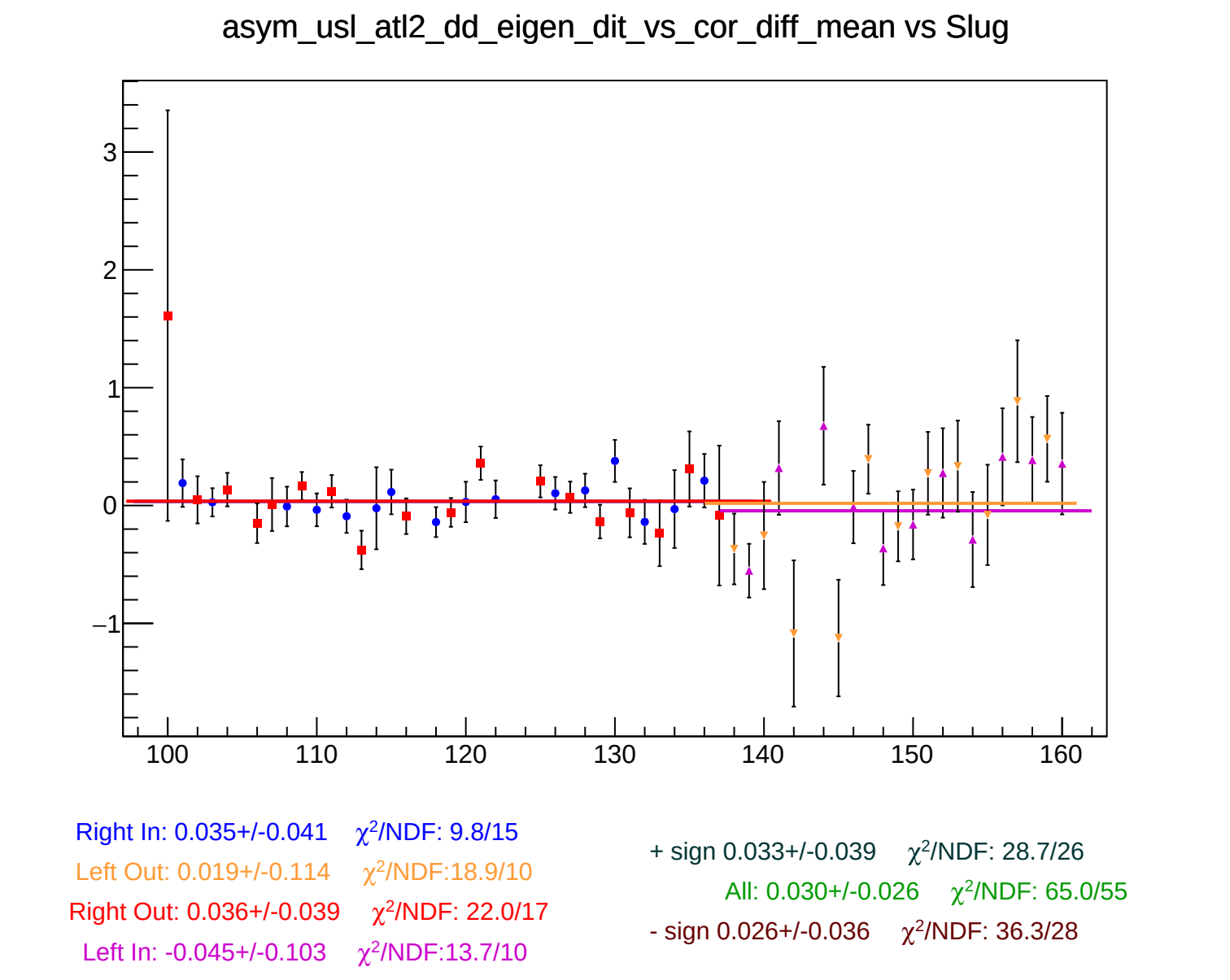
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

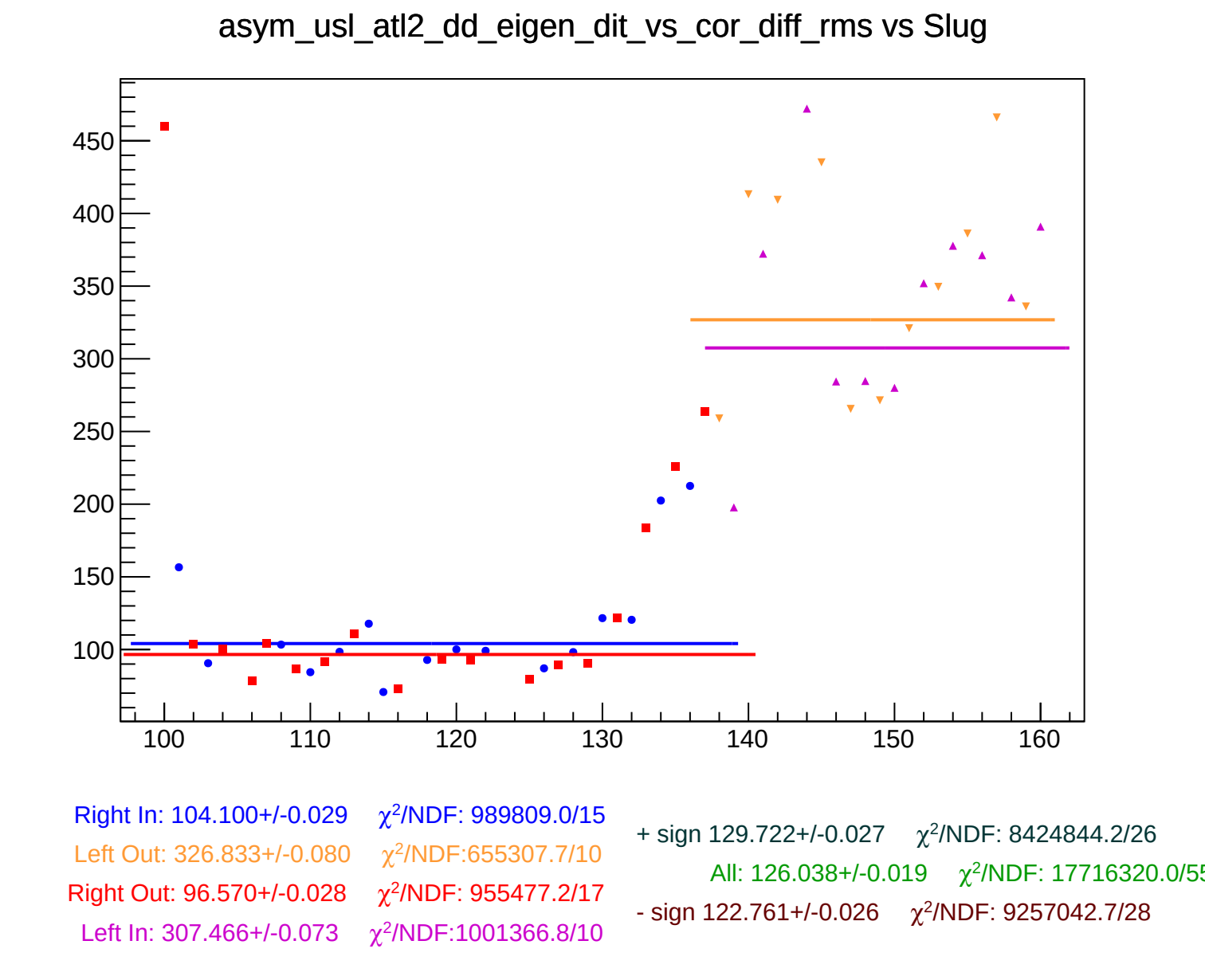
Left In: 0.003+/-0.000 χ^2/NDF:7681712.3/10

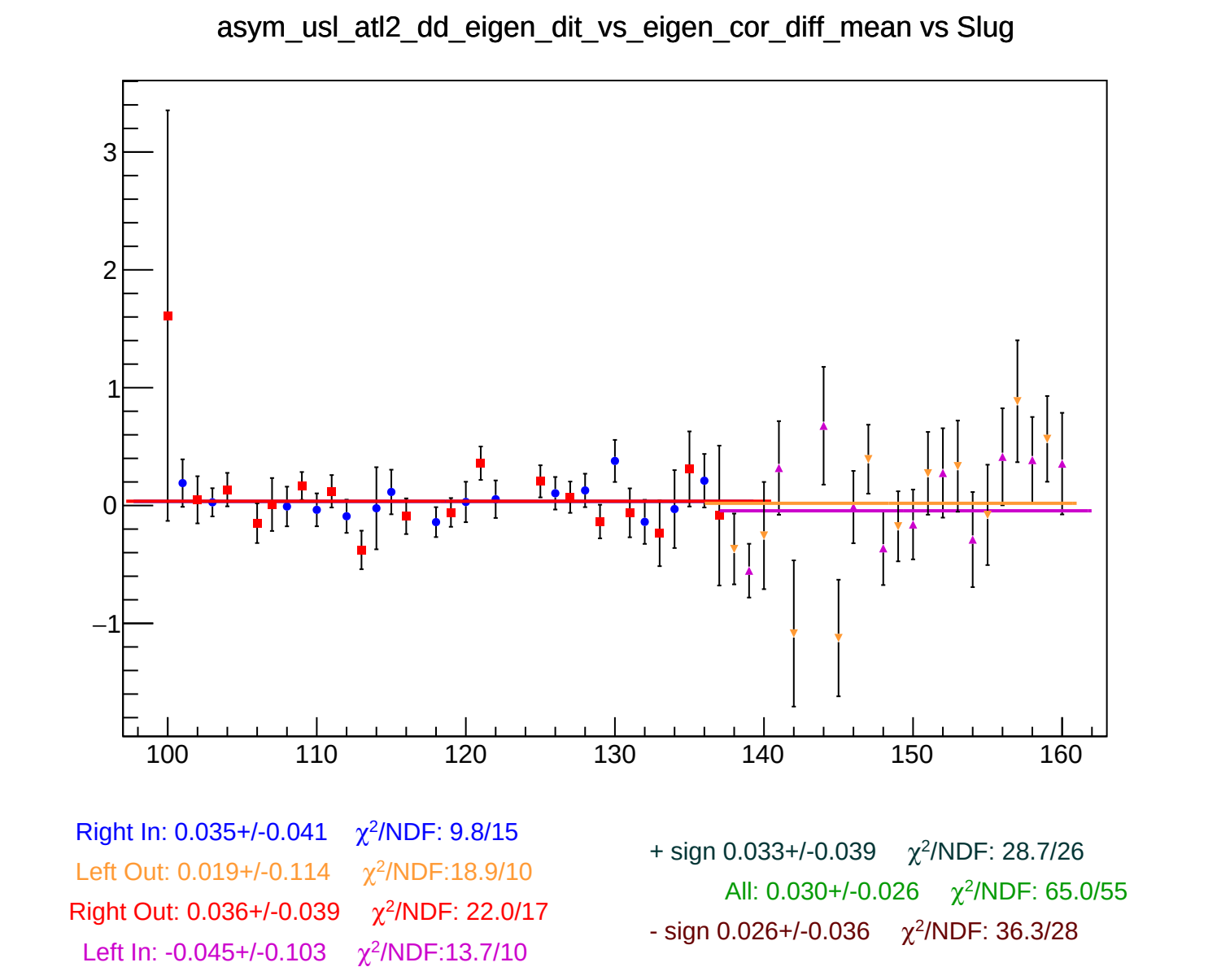
+ sign 0.004+/-0.000 χ^2/NDF: 13390297.5/26

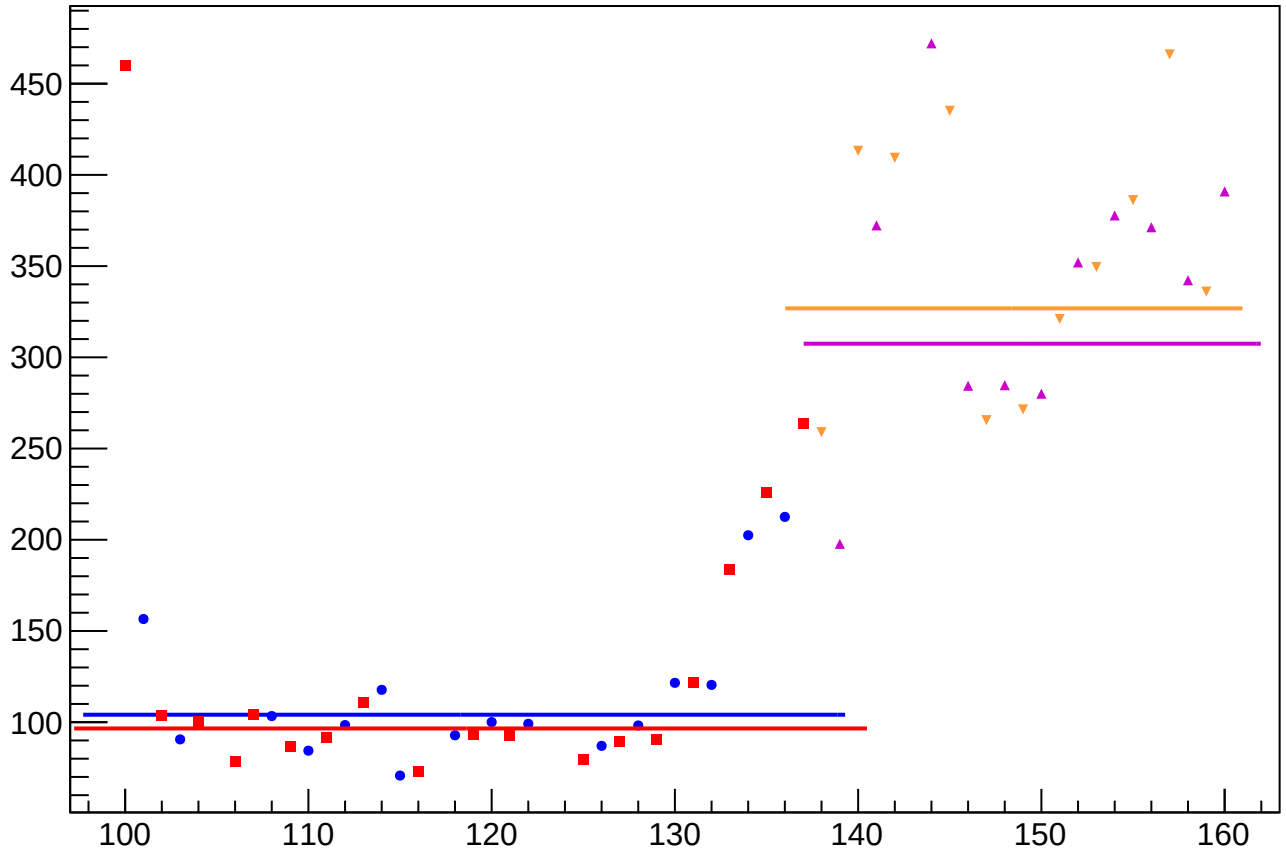
All: 0.004+/-0.000 χ^2/NDF: 27750285.3/55

- sign 0.003+/-0.000 χ^2/NDF: 14132486.2/28


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.019+/-0.114 χ²/NDF:18.9/10
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.045+/-0.103 χ²/NDF:13.7/10
+ sign 0.033+/-0.039 χ²/NDF: 28.7/26
All: 0.030+/-0.026 χ²/NDF: 65.0/55
- sign 0.026+/-0.036 χ²/NDF: 36.3/28


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
Right In: 104.100+/-0.029 χ²/NDF: 989809.0/15
Left Out: 326.833+/-0.080 χ²/NDF:655307.7/10
Right Out: 96.570+/-0.028 χ²/NDF: 955477.2/17
Left In: 307.466+/-0.073 χ²/NDF:1001366.8/10
+ sign 129.722+/-0.027 χ²/NDF: 8424844.2/26
All: 126.038+/-0.019 χ²/NDF: 17716320.0/55
- sign 122.761+/-0.026 χ²/NDF: 9257042.7/28


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.019+/-0.114 χ²/NDF:18.9/10
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.045+/-0.103 χ²/NDF:13.7/10
+ sign 0.033+/-0.039 χ²/NDF: 28.7/26
All: 0.030+/-0.026 χ²/NDF: 65.0/55
- sign 0.026+/-0.036 χ²/NDF: 36.3/28



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 326.833+/-0.080 χ^2/NDF:655307.7/10

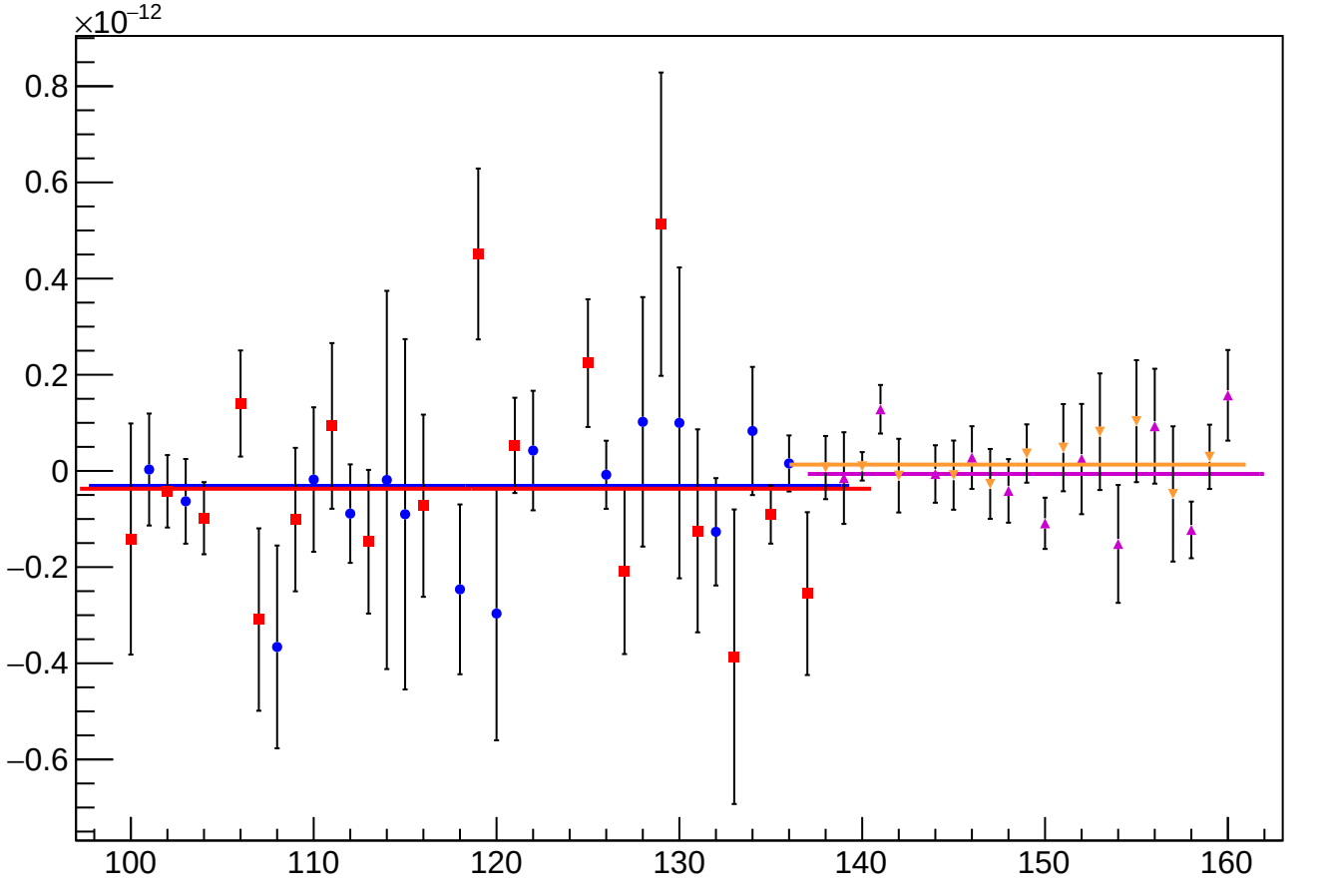
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 307.466+/-0.073 χ^2/NDF:1001366.8/10

+ sign 129.722+/-0.027 χ^2/NDF: 8424844.2/26

All: 126.038+/-0.019 χ^2/NDF: 17716320.0/55

- 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:1.9/10

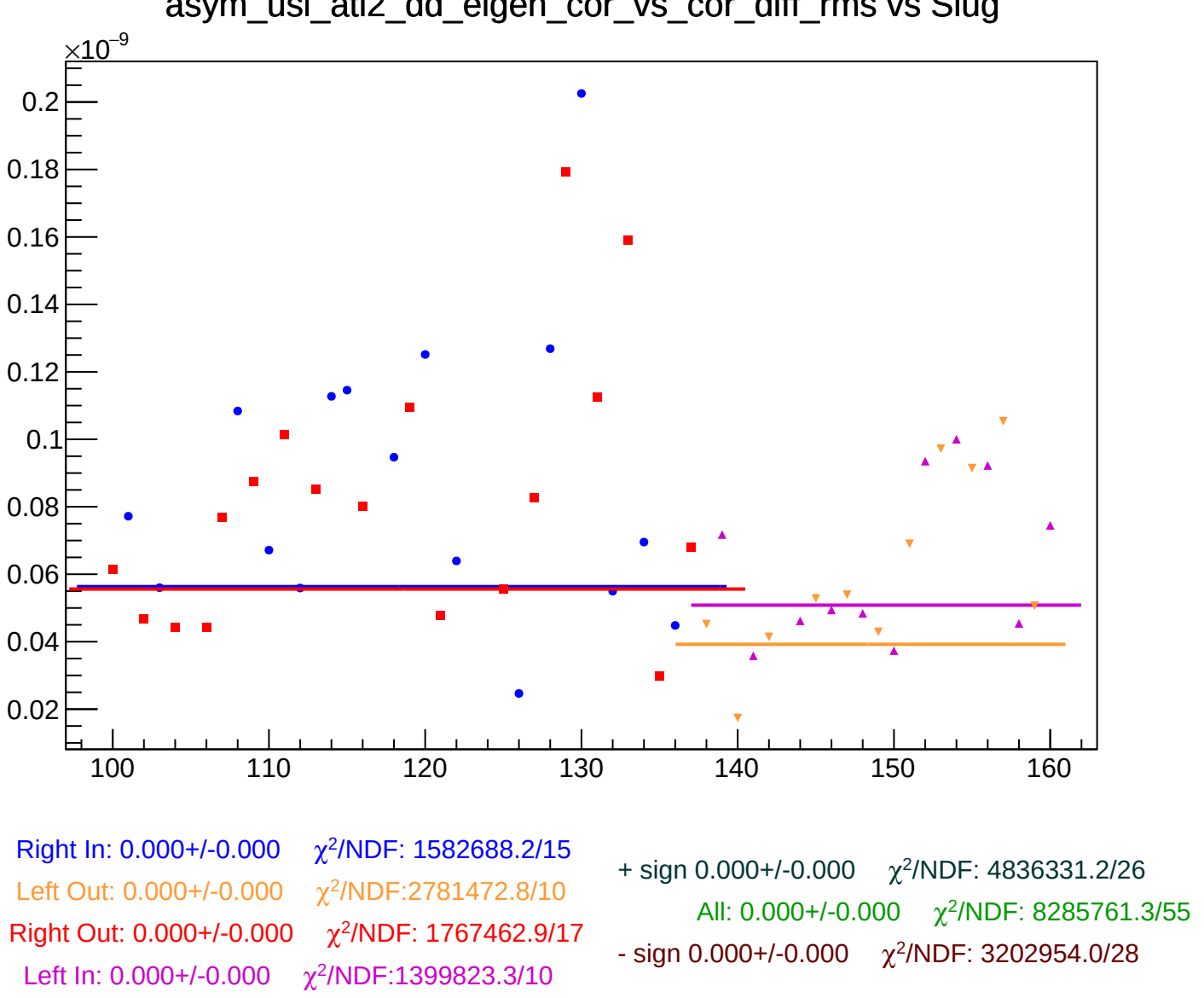
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:20.5/10

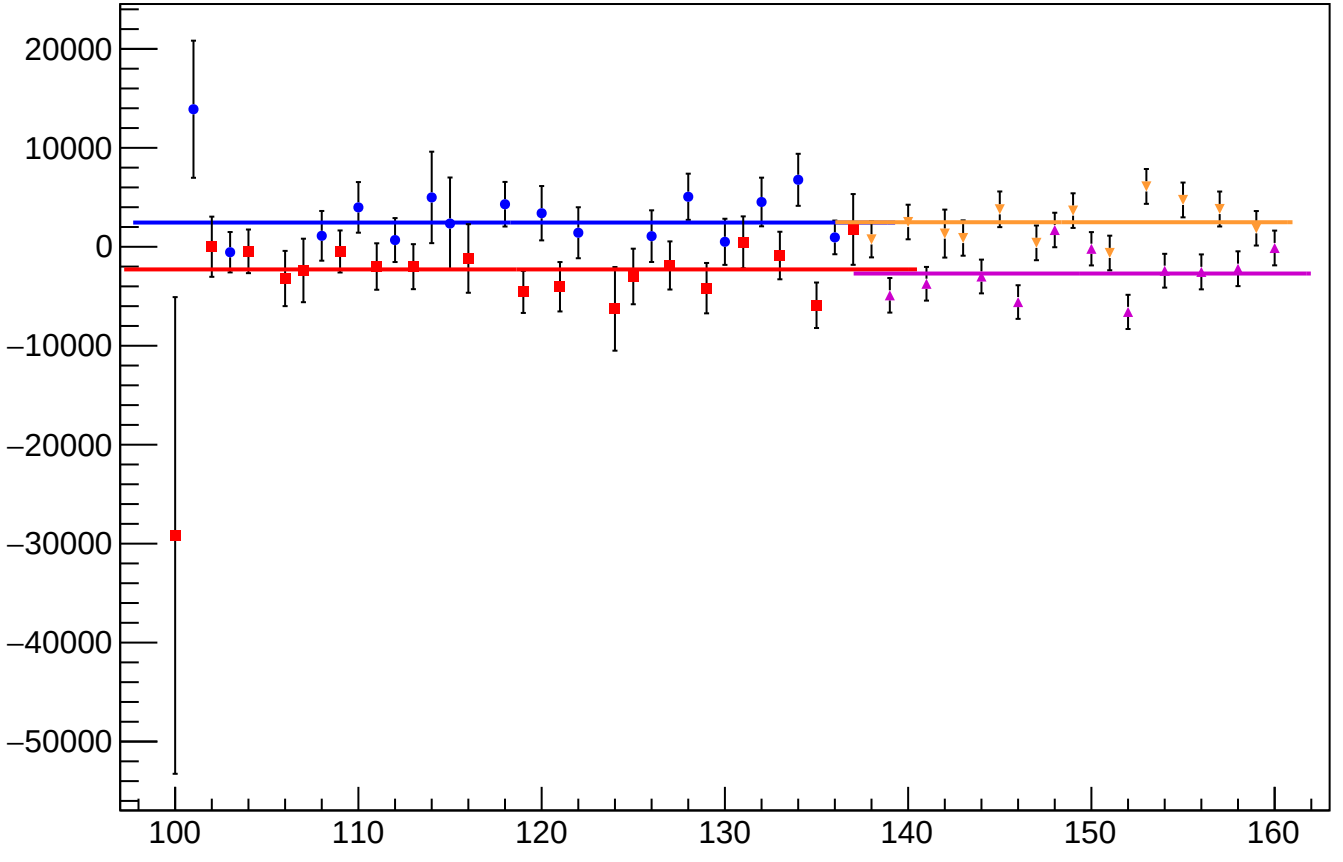
+ sign 0.000+/-0.000 χ^2/NDF: 12.0/26

All: -0.000+/-0.000 χ^2/NDF: 60.8/55

- 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
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2781472.8/10
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: 4836331.2/26
All: 0.000+/-0.000 χ²/NDF: 8285761.3/55
- sign 0.000+/-0.000 χ²/NDF: 3202954.0/28

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2482.766+/-520.140 χ^2/NDF:14.0/11

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

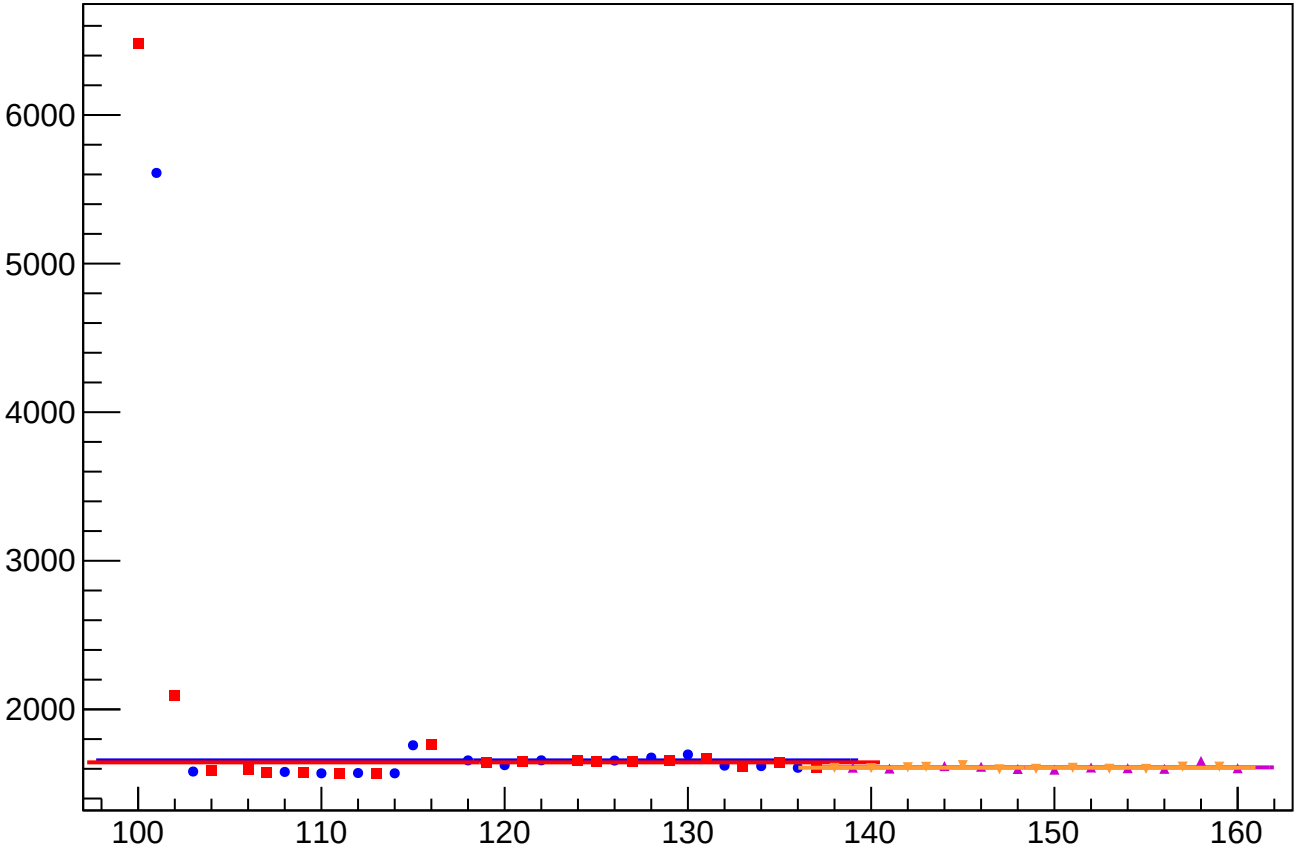
Left In: -2701.842+/-520.593 χ^2/NDF:20.8/10

+ sign 2469.472+/-401.161 χ^2/NDF: 27.9/27

All: -62.413+/-281.734 χ^2/NDF: 139.3/57

- 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: 1607.343+/-0.368 χ^2/NDF:464.3/11

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

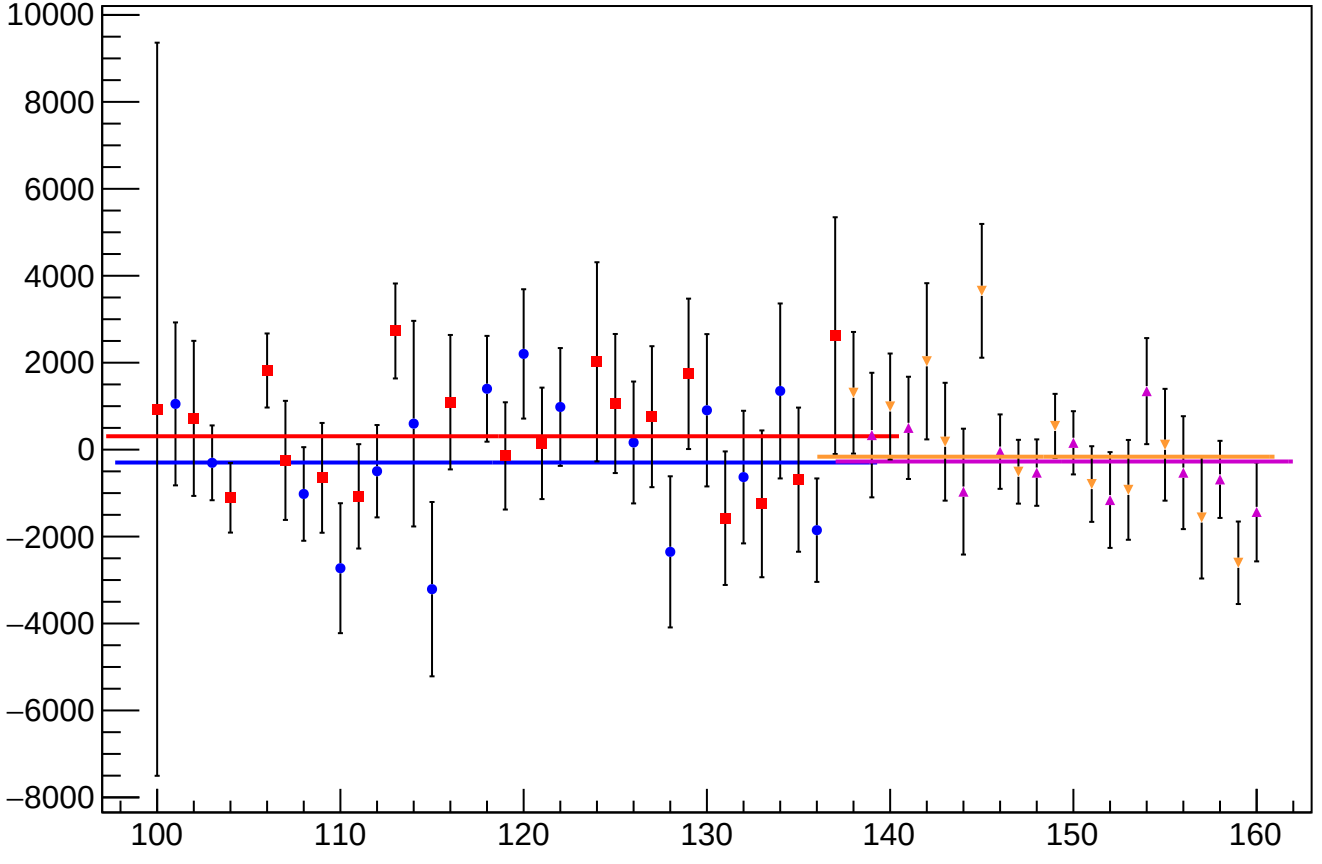
Left In: 1609.551+/-0.368 χ^2/NDF:1647.6/10

+ sign 1627.334+/-0.284 χ^2/NDF: 673982.1/27

All: 1625.569+/-0.199 χ^2/NDF: 816279.2/57

- 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: -162.617+/-309.292 χ^2/NDF:19.5/11

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

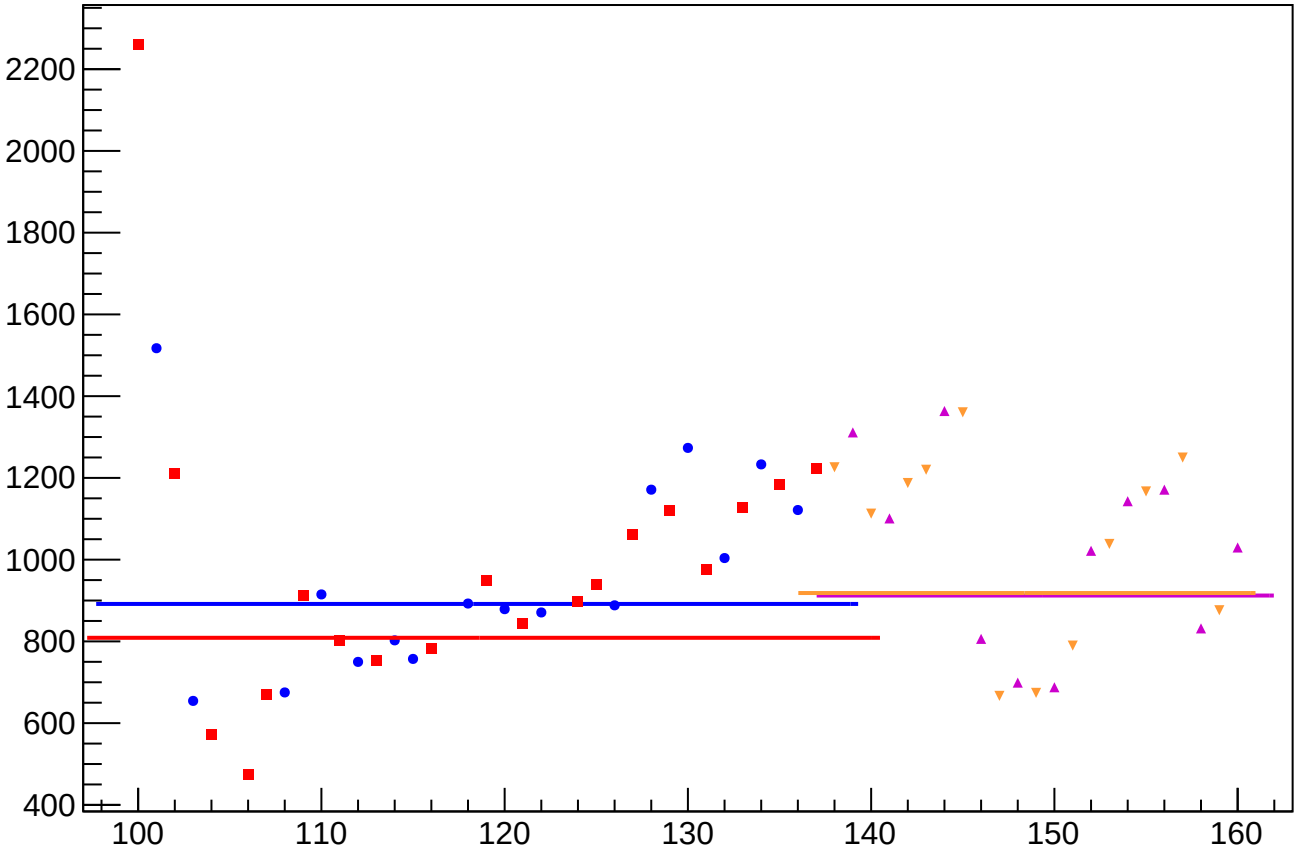
Left In: -273.239+/-304.478 χ^2/NDF:5.1/10

+ sign -222.552+/-229.829 χ^2/NDF: 35.5/27

All: -100.675+/-158.258 χ^2/NDF: 61.6/57

- 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: 918.348+/-0.219 χ^2/NDF:1166218.8/11

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

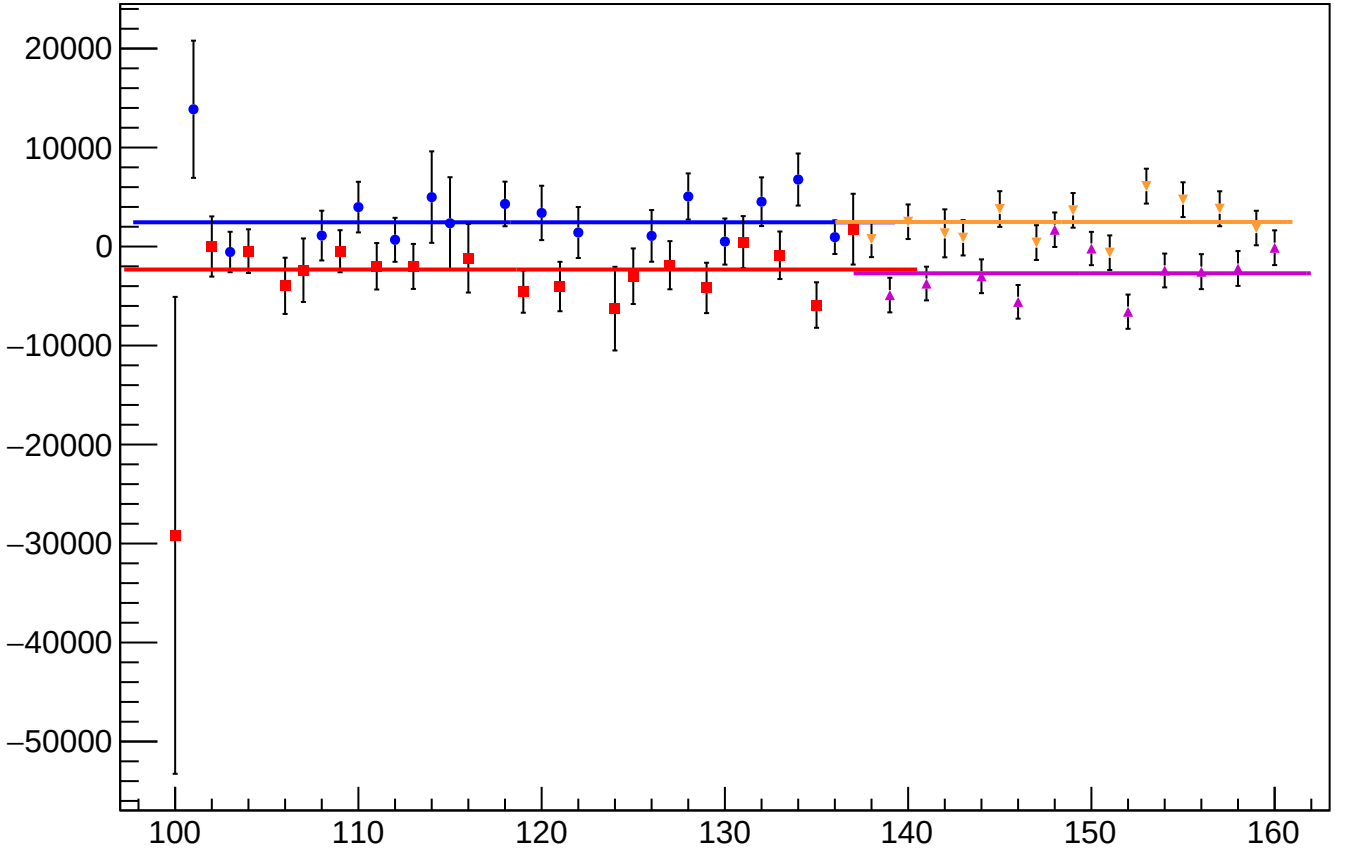
Left In: 912.200+/-0.215 χ^2/NDF:986250.6/10

+ sign 906.384+/-0.163 χ^2/NDF: 1966798.1/27

All: 883.007+/-0.112 χ^2/NDF: 4188373.1/57

- sign 861.927+/-0.154 χ^2/NDF: 2182223.9/29

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2482.736+/-520.140 χ^2/NDF:14.0/11

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

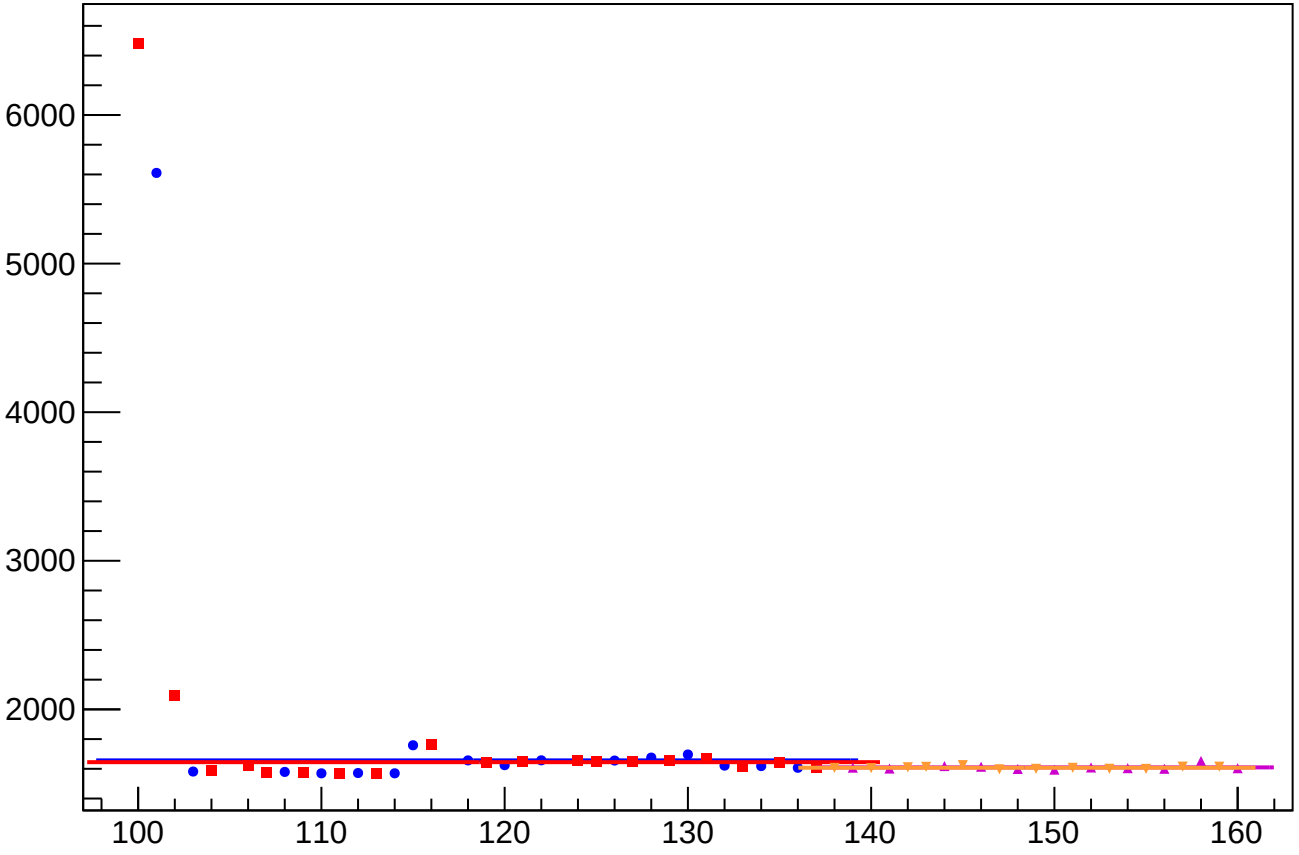
Left In: -2701.858+/-520.593 χ^2/NDF:20.8/10

+ sign 2469.228+/-401.161 χ^2/NDF: 27.9/27

All: -69.022+/-281.783 χ^2/NDF: 139.9/57

- 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: 1607.343+/-0.368 χ^2/NDF:464.3/11

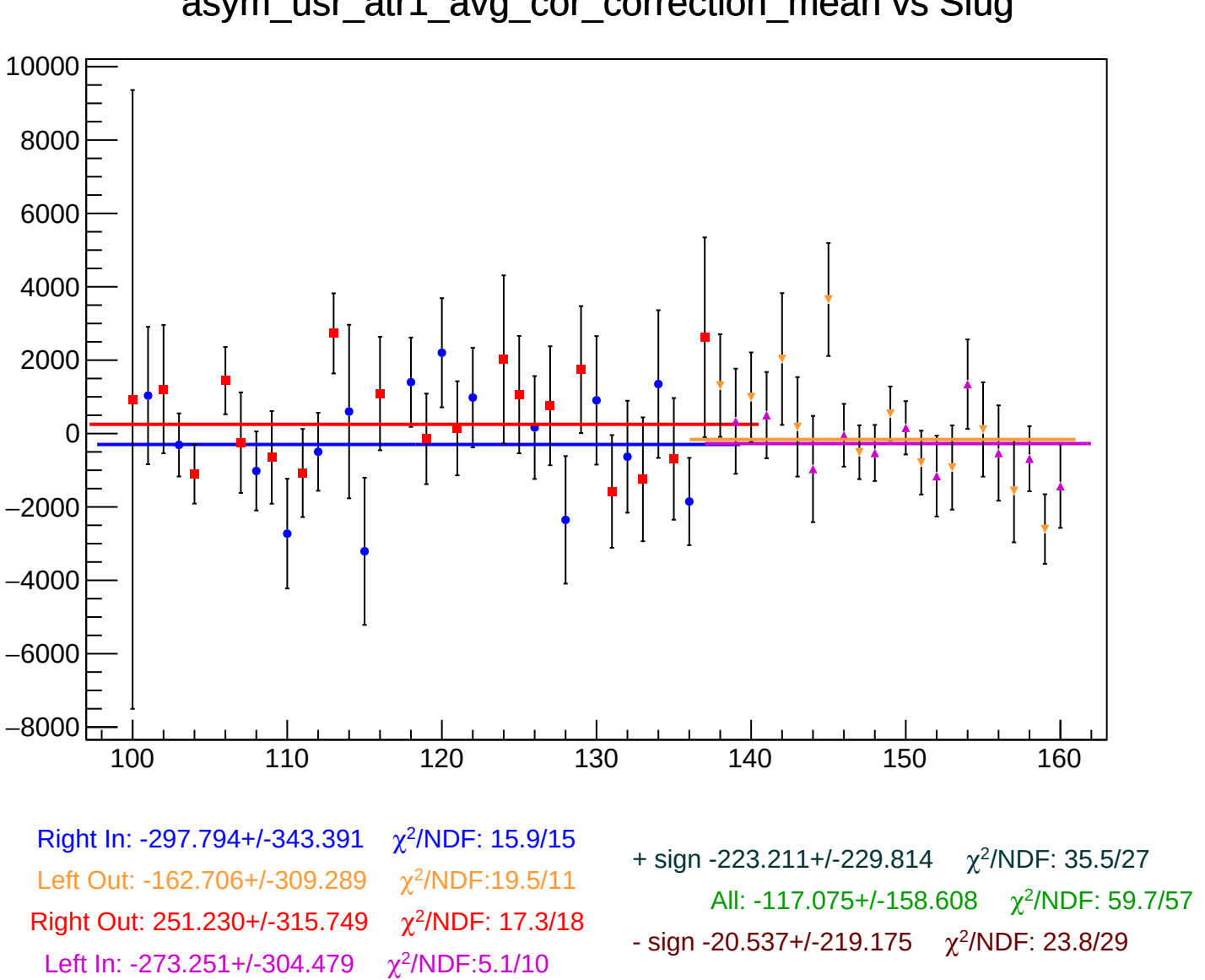
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.551+/-0.368 χ^2/NDF:1647.6/10

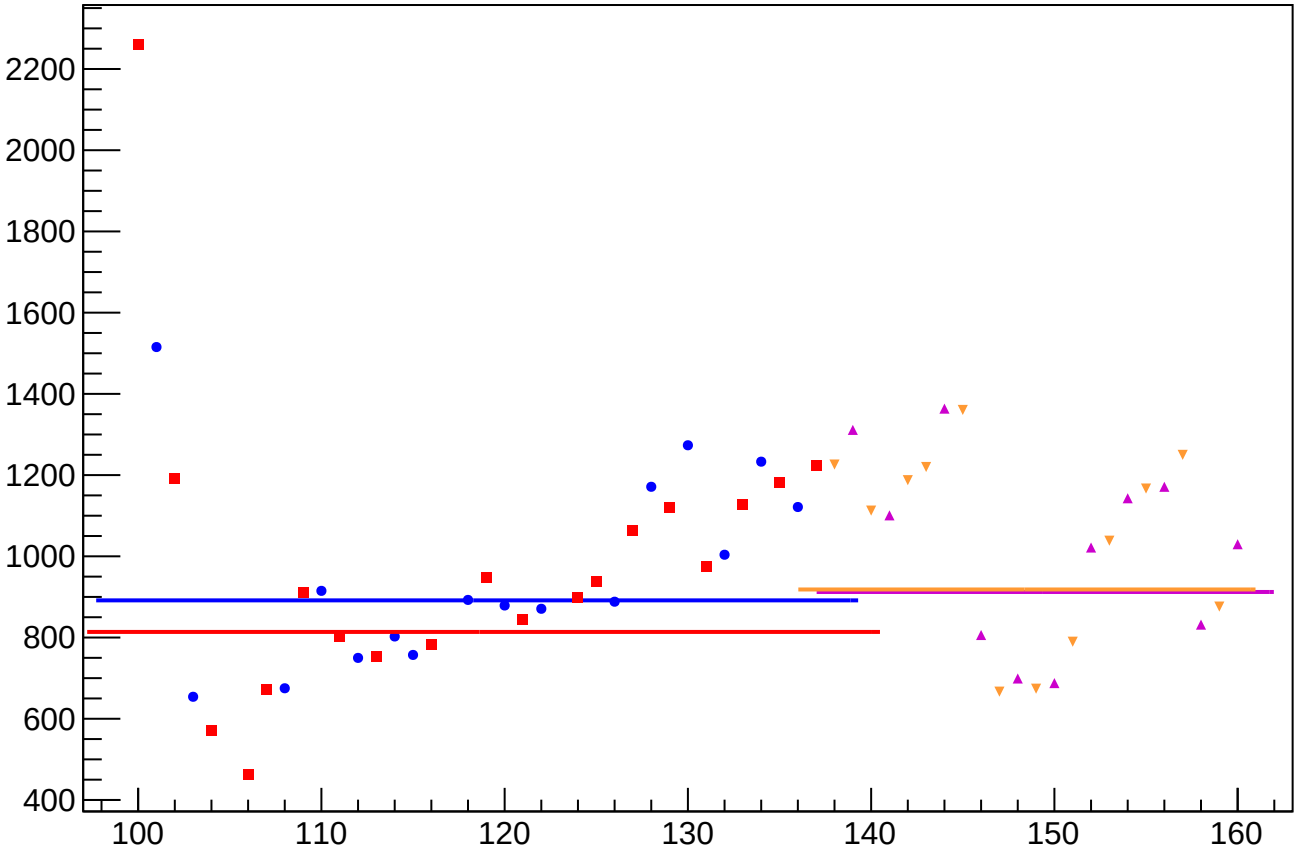
+ sign 1627.334+/-0.284 χ^2/NDF: 673981.6/27

All: 1625.841+/-0.199 χ^2/NDF: 816018.8/57

- sign 1624.386+/-0.280 χ^2/NDF: 141982.5/29


asym_usr_atr1_avg_cor_correction_mean vs Slug
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -297.794+/-343.391 χ²/NDF: 15.9/15
Left Out: -162.706+/-309.289 χ²/NDF:19.5/11
Right Out: 251.230+/-315.749 χ²/NDF: 17.3/18
Left In: -273.251+/-304.479 χ²/NDF:5.1/10
+ sign -223.211+/-229.814 χ²/NDF: 35.5/27
All: -117.075+/-158.608 χ²/NDF: 59.7/57
- sign -20.537+/-219.175 χ²/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: 918.337+/-0.219 χ^2/NDF:1166295.2/11

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

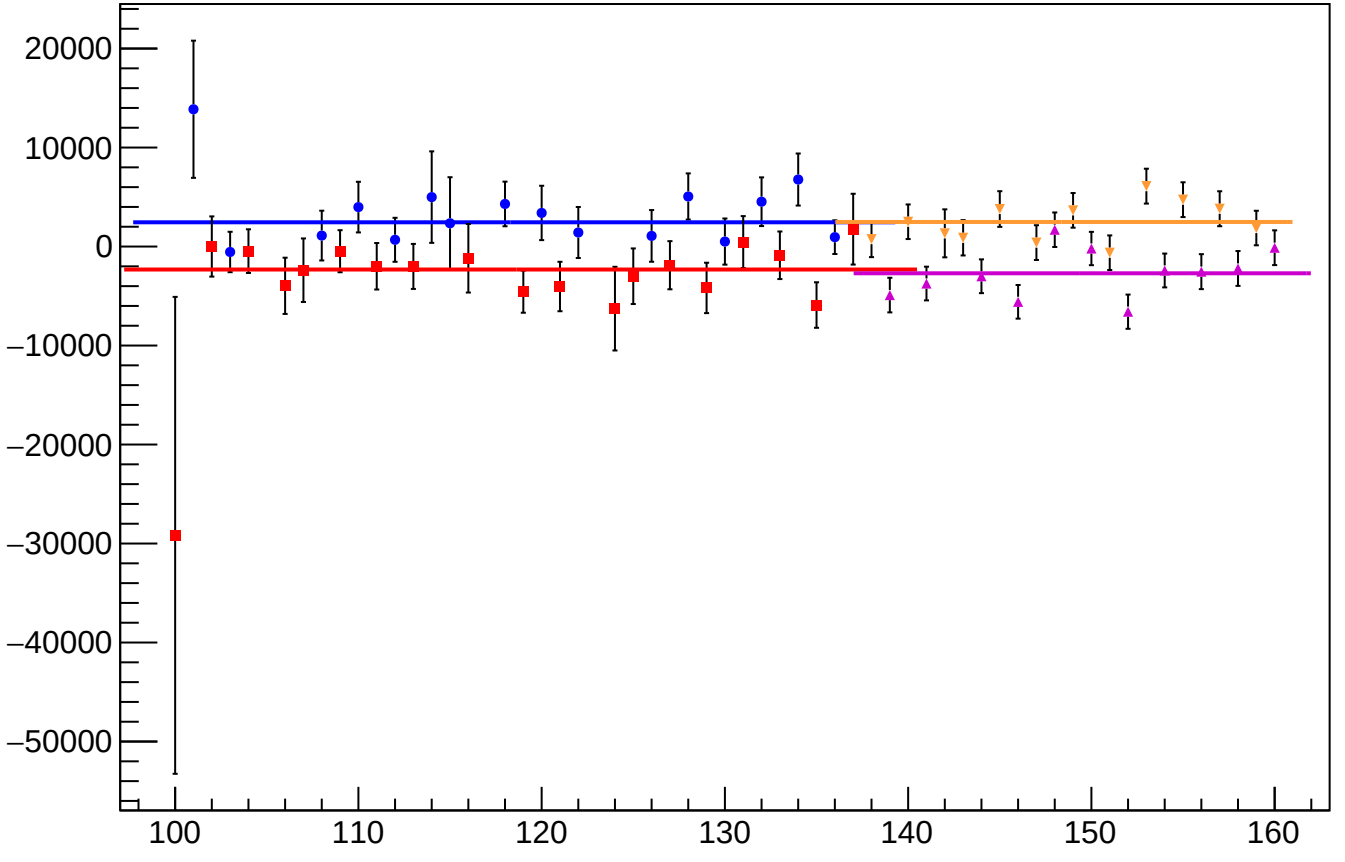
Left In: 912.205+/-0.215 χ^2/NDF:986216.8/10

+ sign 906.332+/-0.163 χ^2/NDF: 1966680.4/27

All: 884.579+/-0.112 χ^2/NDF: 4140749.4/57

- 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: 2482.736+/-520.140 χ^2/NDF:14.0/11

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

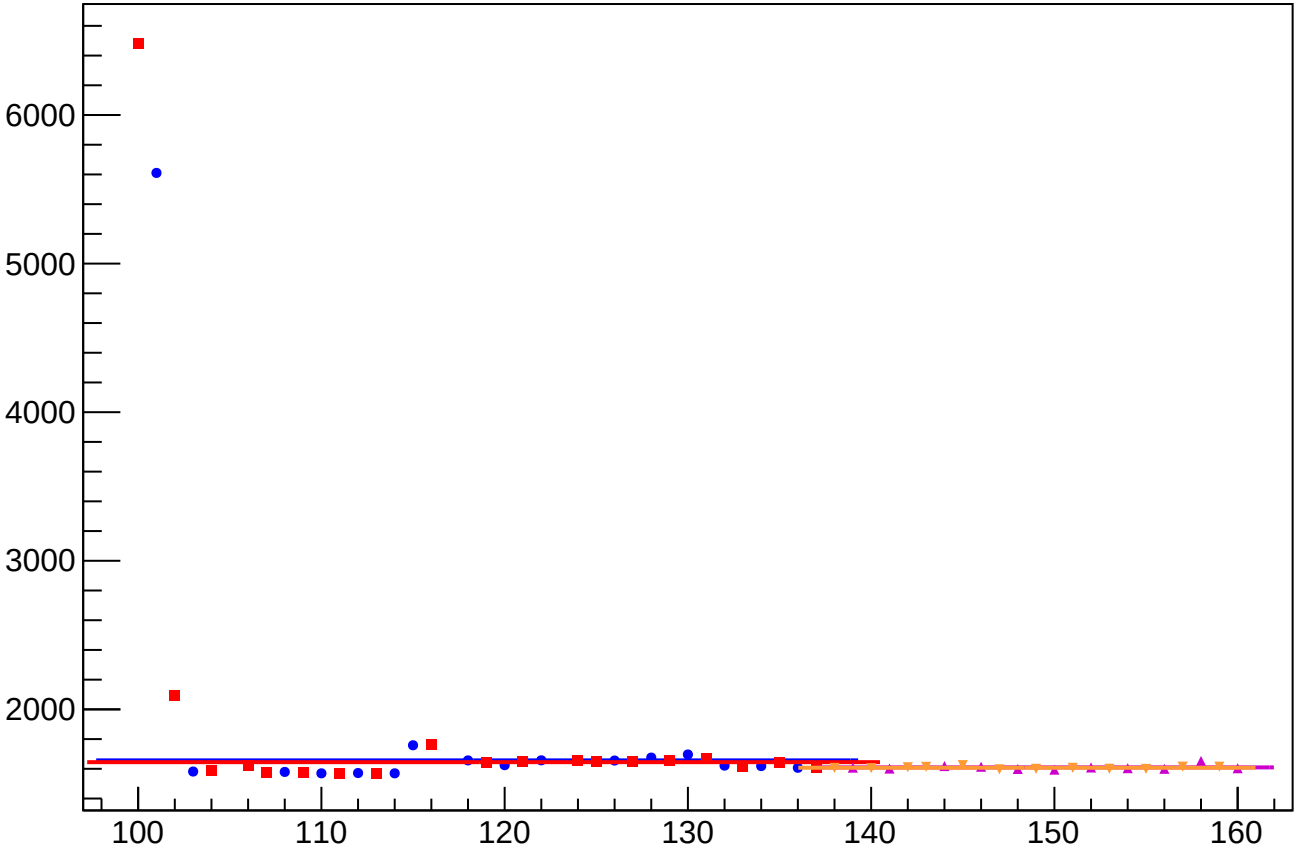
Left In: -2701.858+/-520.593 χ^2/NDF:20.8/10

+ sign 2469.228+/-401.161 χ^2/NDF: 27.9/27

All: -69.022+/-281.783 χ^2/NDF: 139.9/57

- 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: 1607.343+/-0.368 χ^2/NDF:464.3/11

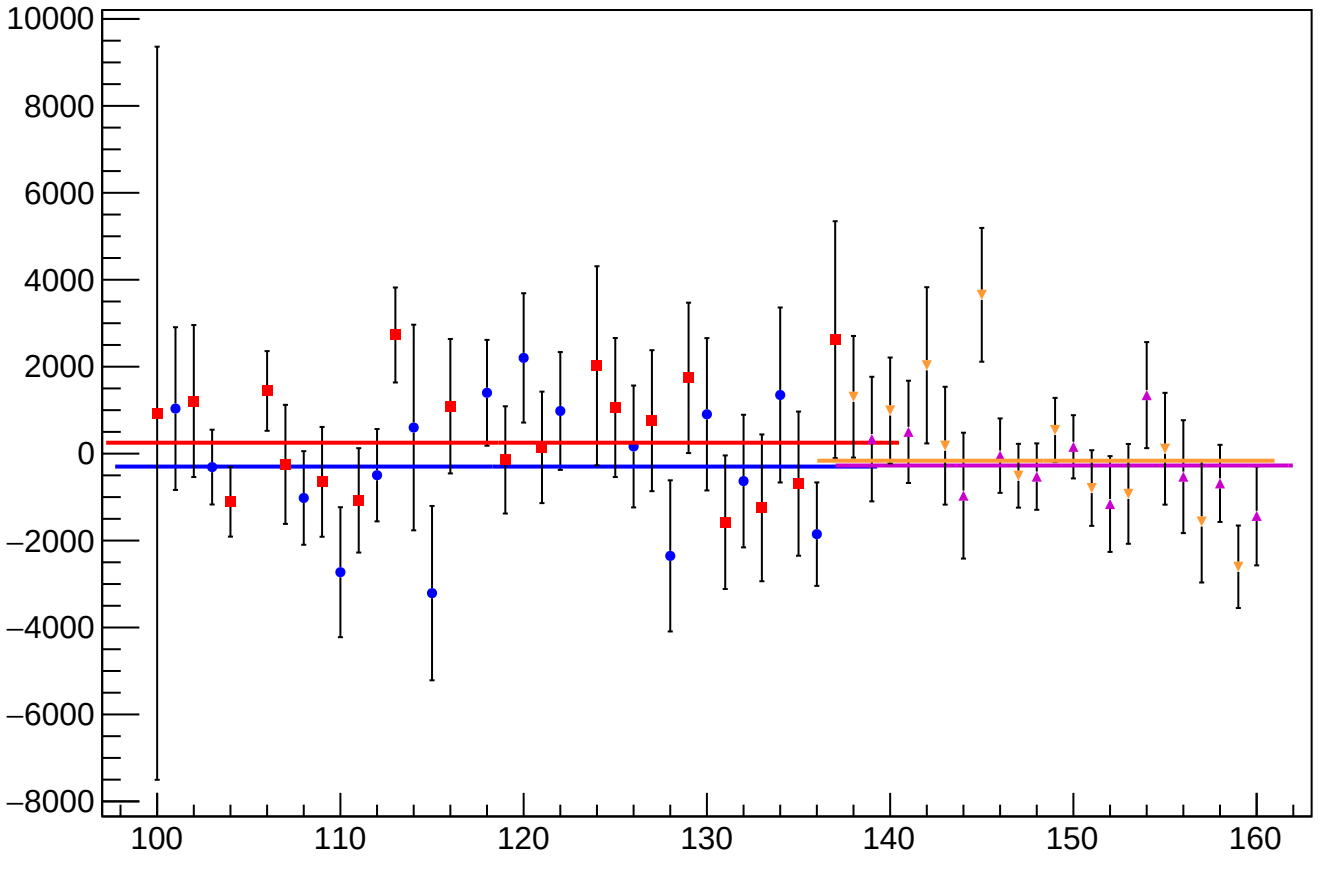
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.551+/-0.368 χ^2/NDF:1647.6/10

+ sign 1627.334+/-0.284 χ^2/NDF: 673981.6/27

All: 1625.841+/-0.199 χ^2/NDF: 816018.8/57

- 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: -162.706+/-309.289 χ^2/NDF:19.5/11

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

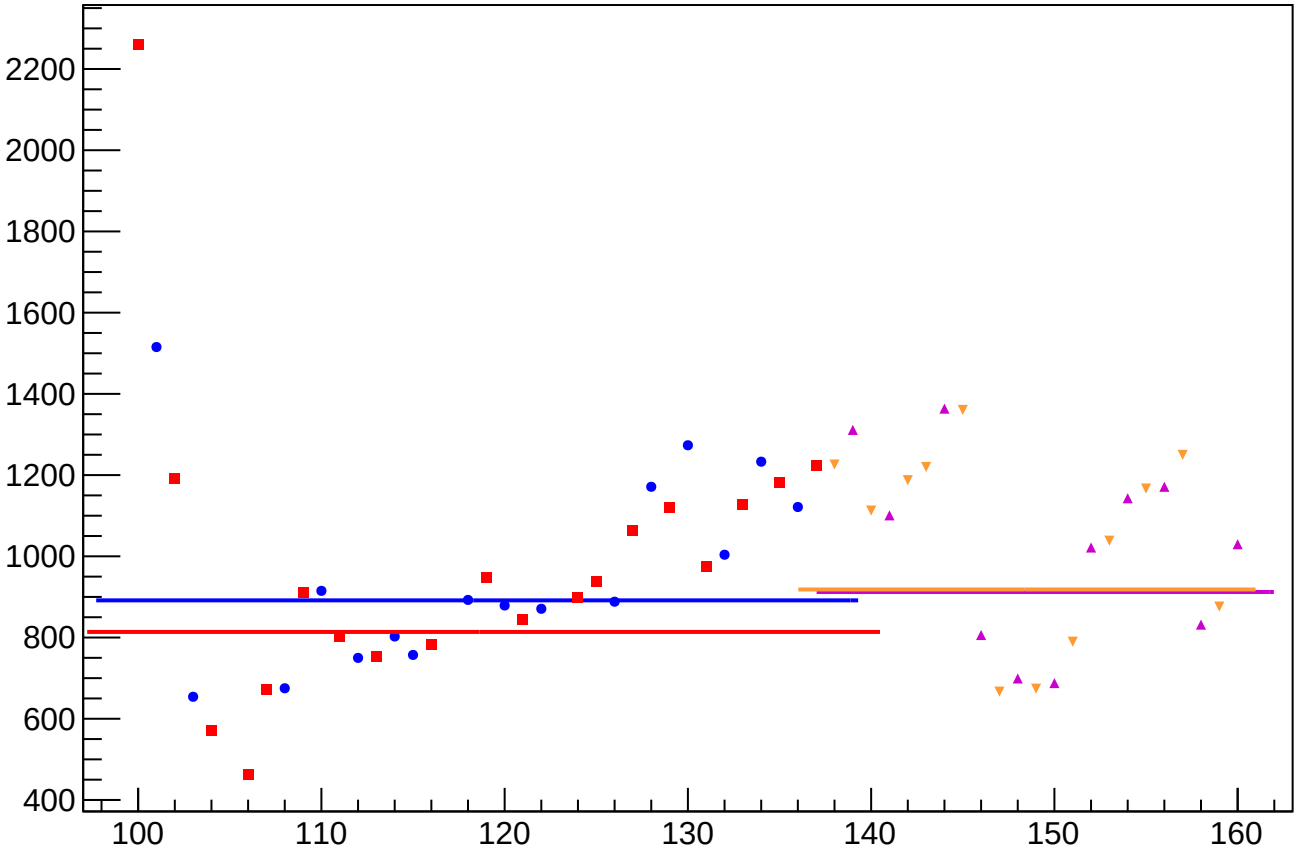
Left In: -273.251+/-304.479 χ^2/NDF:5.1/10

\+ sign -223.211+/-229.814 χ^2/NDF: 35.5/27

All: -117.075+/-158.608 χ^2/NDF: 59.7/57

\- sign -20.537+/-219.175 χ^2/NDF: 23.8/29

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 918.337+/-0.219 χ^2/NDF:1166295.2/11

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

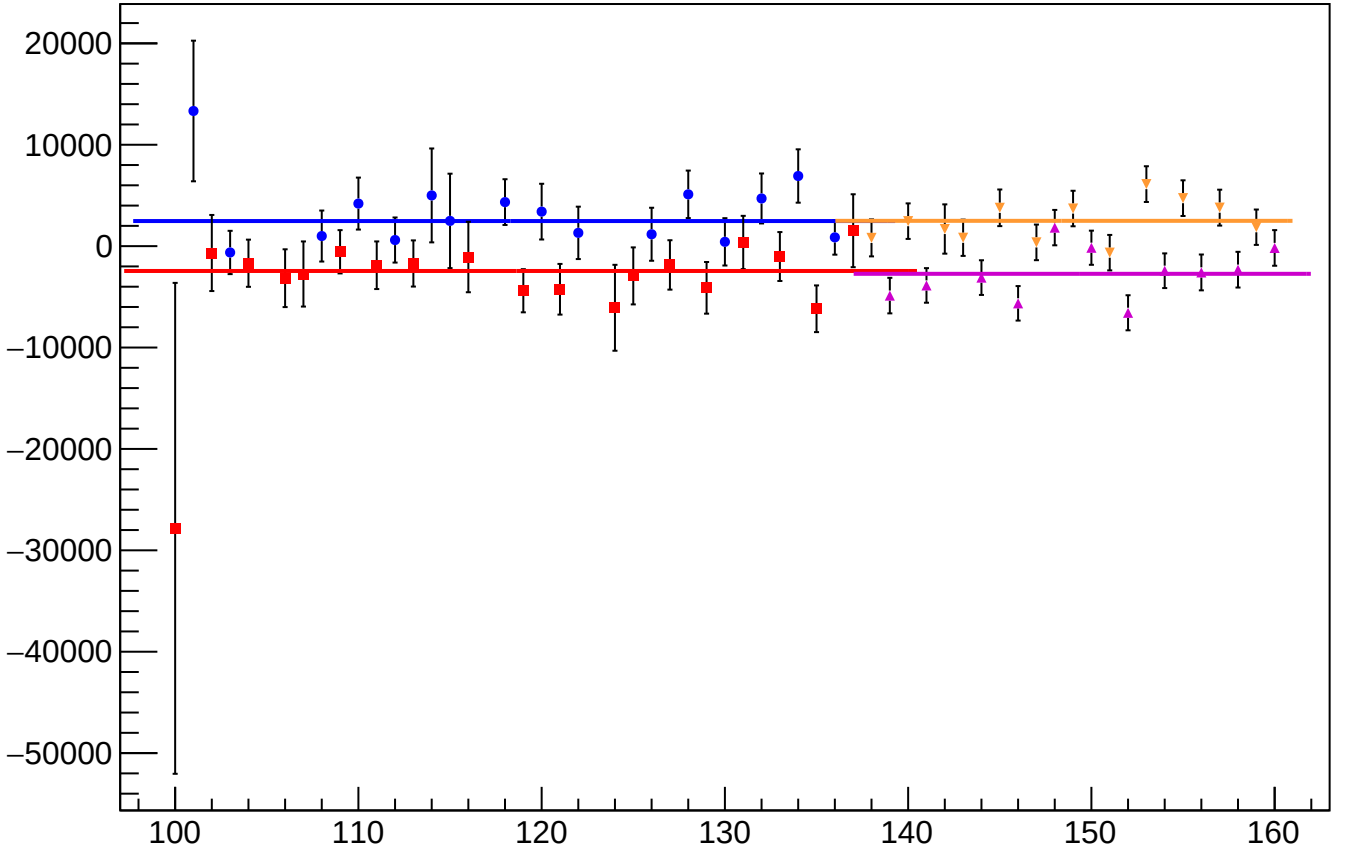
Left In: 912.205+/-0.215 χ^2/NDF:986216.8/10

+ sign 906.332+/-0.163 χ^2/NDF: 1966680.4/27

All: 884.579+/-0.112 χ^2/NDF: 4140749.4/57

- 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: 2496.309+/-520.997 χ^2/NDF:14.0/11

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

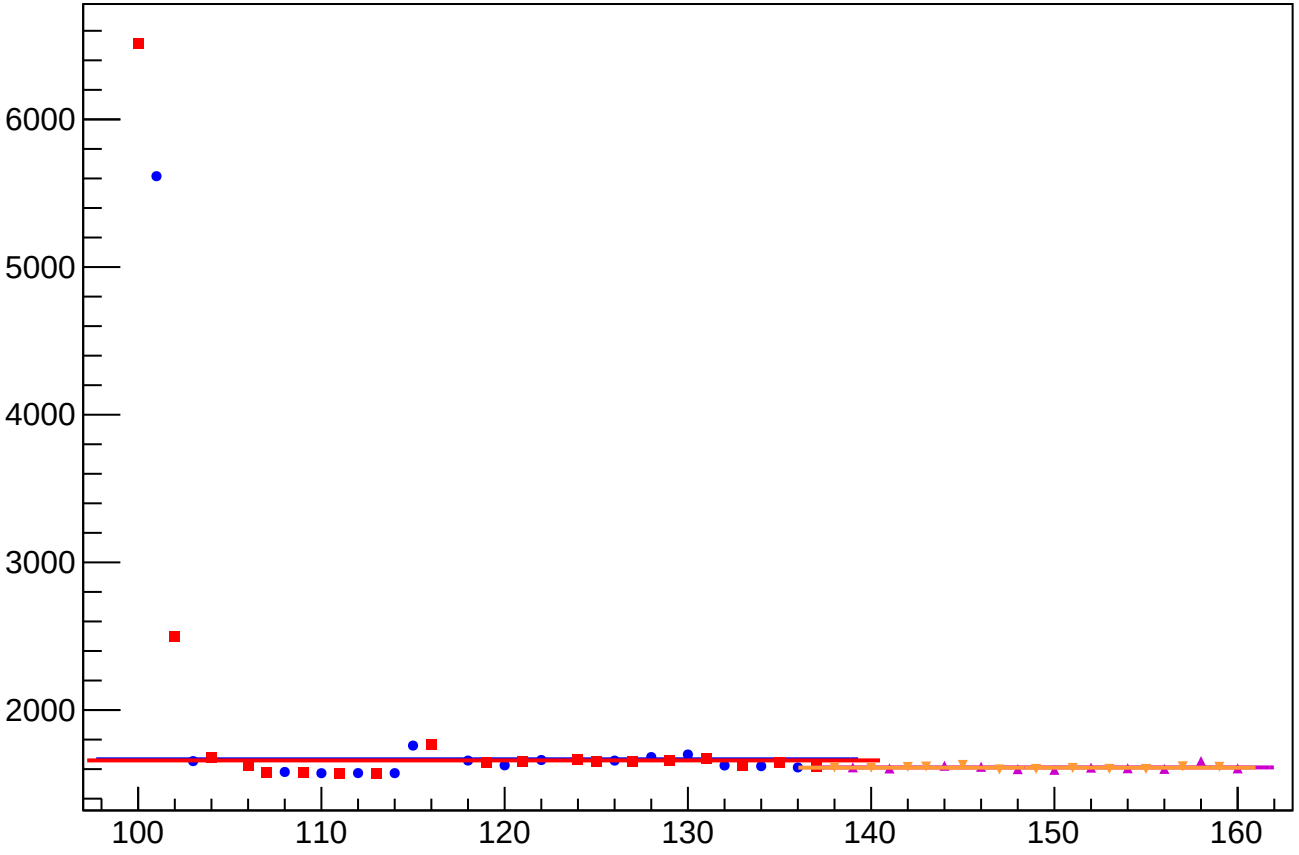
Left In: -2729.069+/-521.248 χ^2/NDF:21.2/10

+ sign 2487.810+/-402.488 χ^2/NDF: 28.2/27

All: -88.923+/-283.117 χ^2/NDF: 141.2/57

- 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: 1609.984+/-0.368 χ^2/NDF:569.7/11

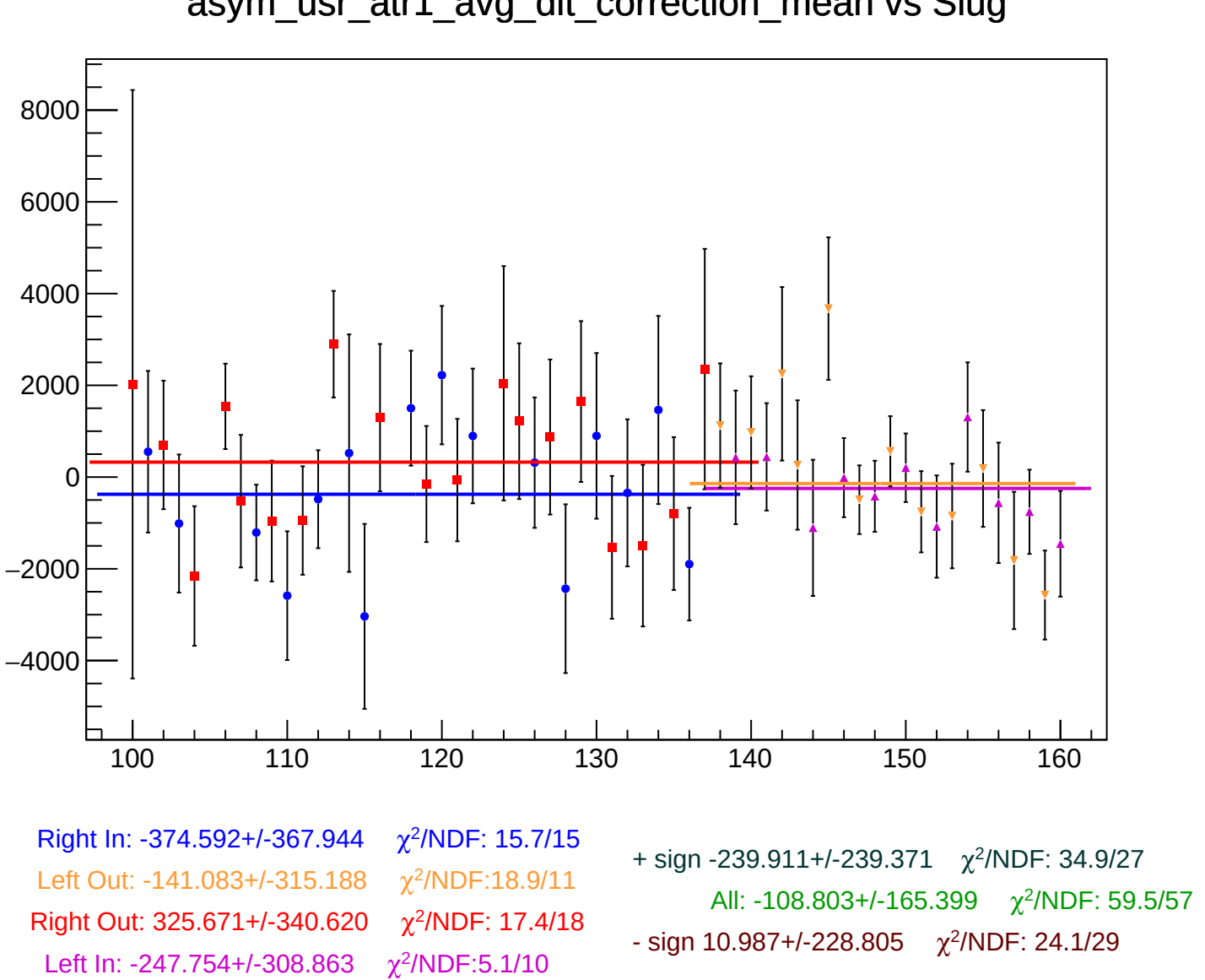
Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1611.561+/-0.369 χ^2/NDF:1696.8/10

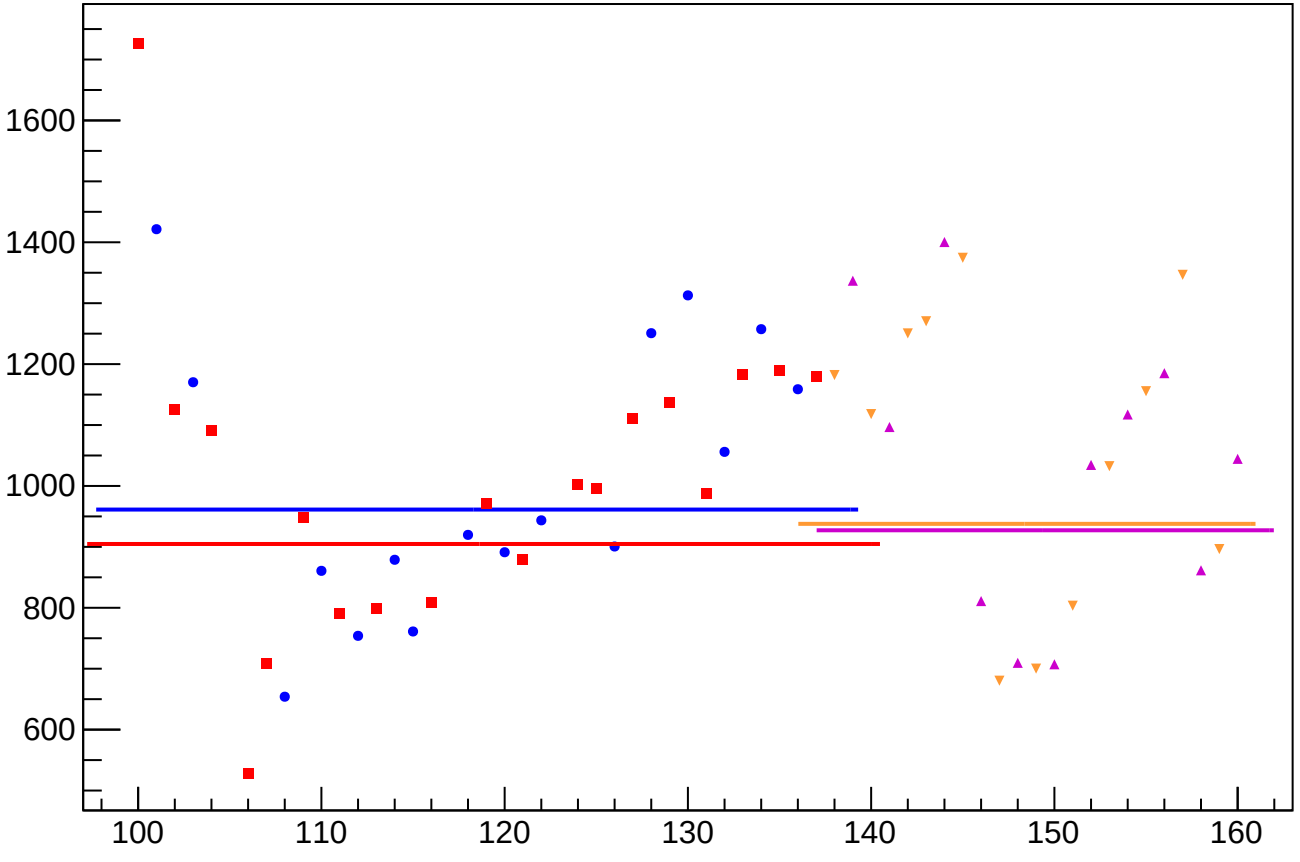
+ sign 1632.730+/-0.285 χ^2/NDF: 672939.5/27

All: 1632.008+/-0.200 χ^2/NDF: 874766.3/57

- sign 1631.300+/-0.282 χ^2/NDF: 201814.0/29


asym_usr_atr1_avg_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: -141.083+/-315.188 χ²/NDF:18.9/11
Right Out: 325.671+/-340.620 χ²/NDF: 17.4/18
Left In: -247.754+/-308.863 χ²/NDF:5.1/10
+ sign -239.911+/-239.371 χ²/NDF: 34.9/27
All: -108.803+/-165.399 χ²/NDF: 59.5/57
- sign 10.987+/-228.805 χ²/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: 937.791+/-0.223 χ^2/NDF:1132498.3/11

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

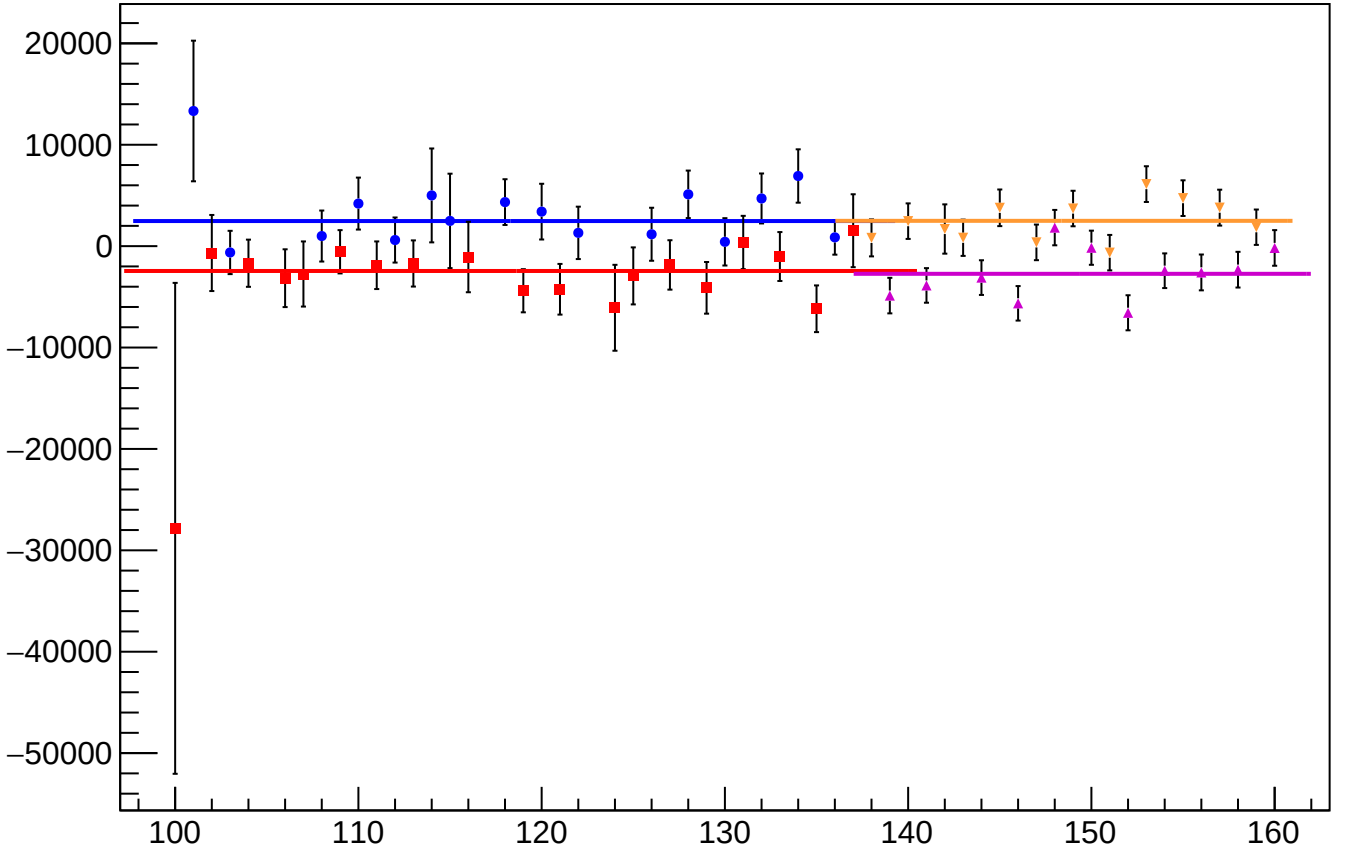
Left In: 927.224+/-0.218 χ^2/NDF:948040.2/10

\+ sign 947.717+/-0.169 χ^2/NDF: 1829059.7/27

All: 931.706+/-0.117 χ^2/NDF: 3535491.6/57

\- 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: 2496.309+/-520.997 χ^2/NDF:14.0/11

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

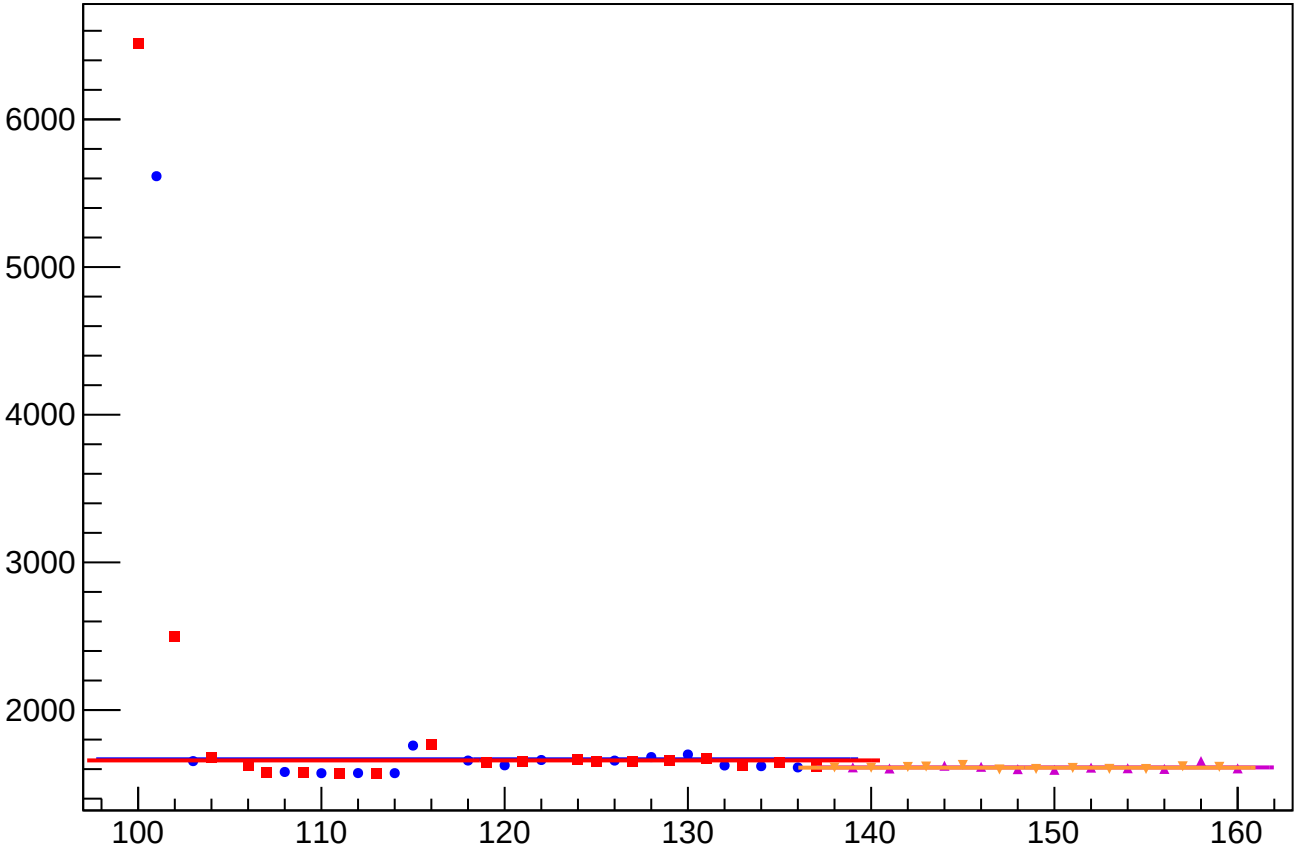
Left In: -2729.070+/-521.248 χ^2/NDF:21.2/10

+ sign 2487.809+/-402.488 χ^2/NDF: 28.2/27

All: -88.924+/-283.117 χ^2/NDF: 141.2/57

- 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: 1609.984+/-0.368 χ^2/NDF:569.7/11

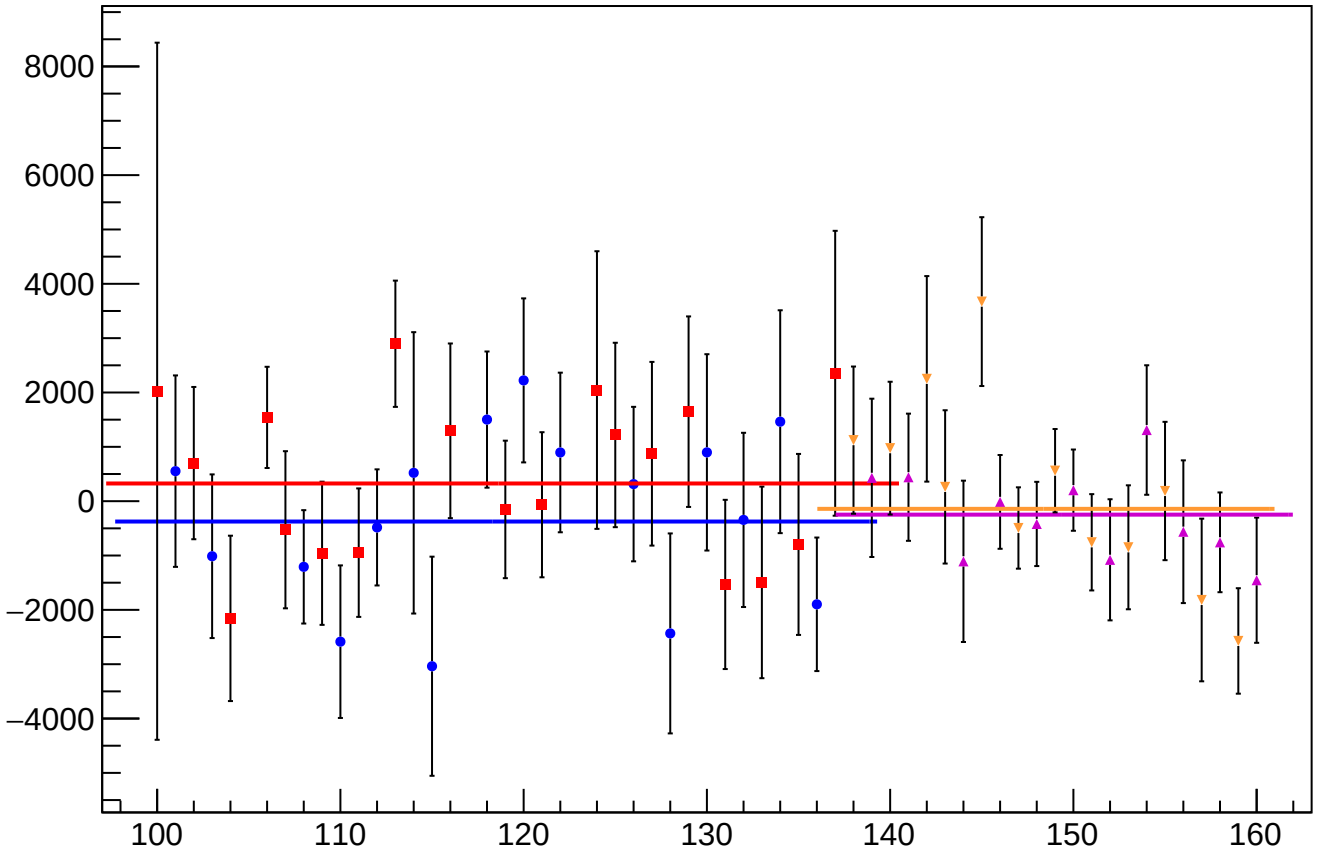
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1611.561+/-0.369 χ^2/NDF:1696.8/10

+ sign 1632.730+/-0.285 χ^2/NDF: 672939.5/27

All: 1632.008+/-0.200 χ^2/NDF: 874766.0/57

- 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: -141.085+/-315.189 χ^2/NDF:18.9/11

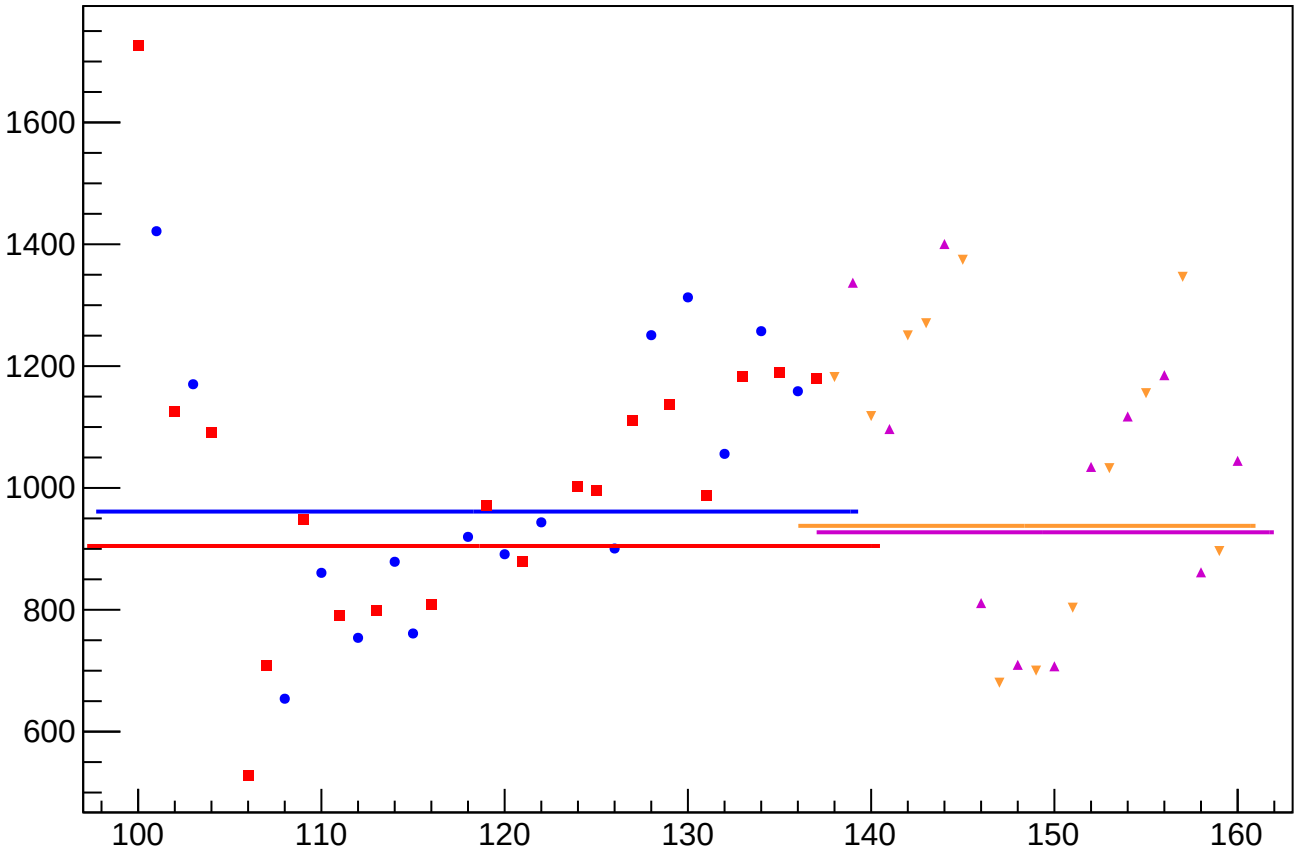
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -247.755+/-308.864 χ^2/NDF:5.1/10

+ sign -239.912+/-239.371 χ^2/NDF: 34.9/27

All: -108.803+/-165.399 χ^2/NDF: 59.5/57

- 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: 937.793+/-0.223 χ^2/NDF:1132500.7/11

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

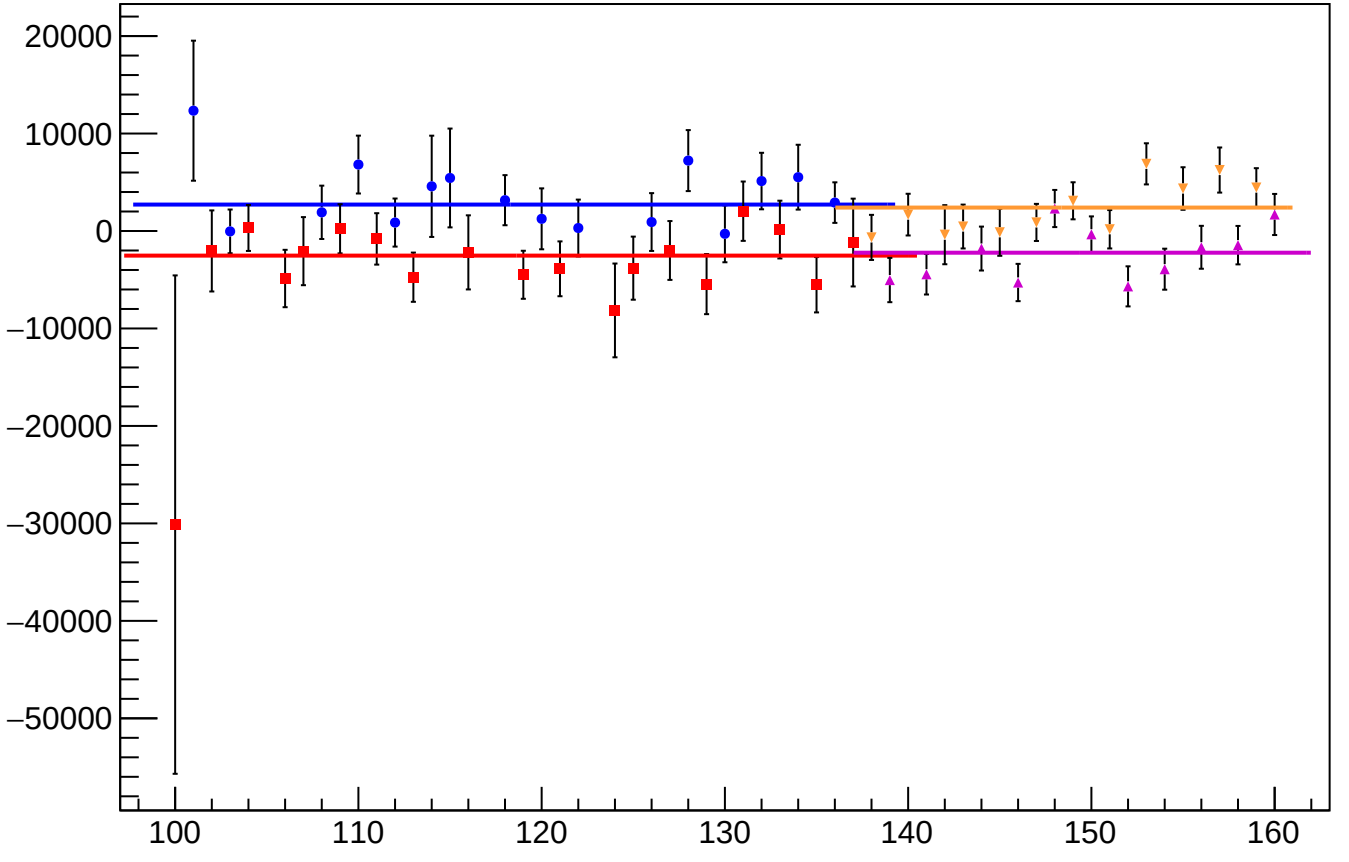
Left In: 927.226+/-0.218 χ^2/NDF:948042.5/10

+ sign 947.716+/-0.169 χ^2/NDF: 1829067.9/27

All: 931.705+/-0.117 χ^2/NDF: 3535501.0/57

- 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: 2403.521+/-624.067 χ^2/NDF:15.8/11

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

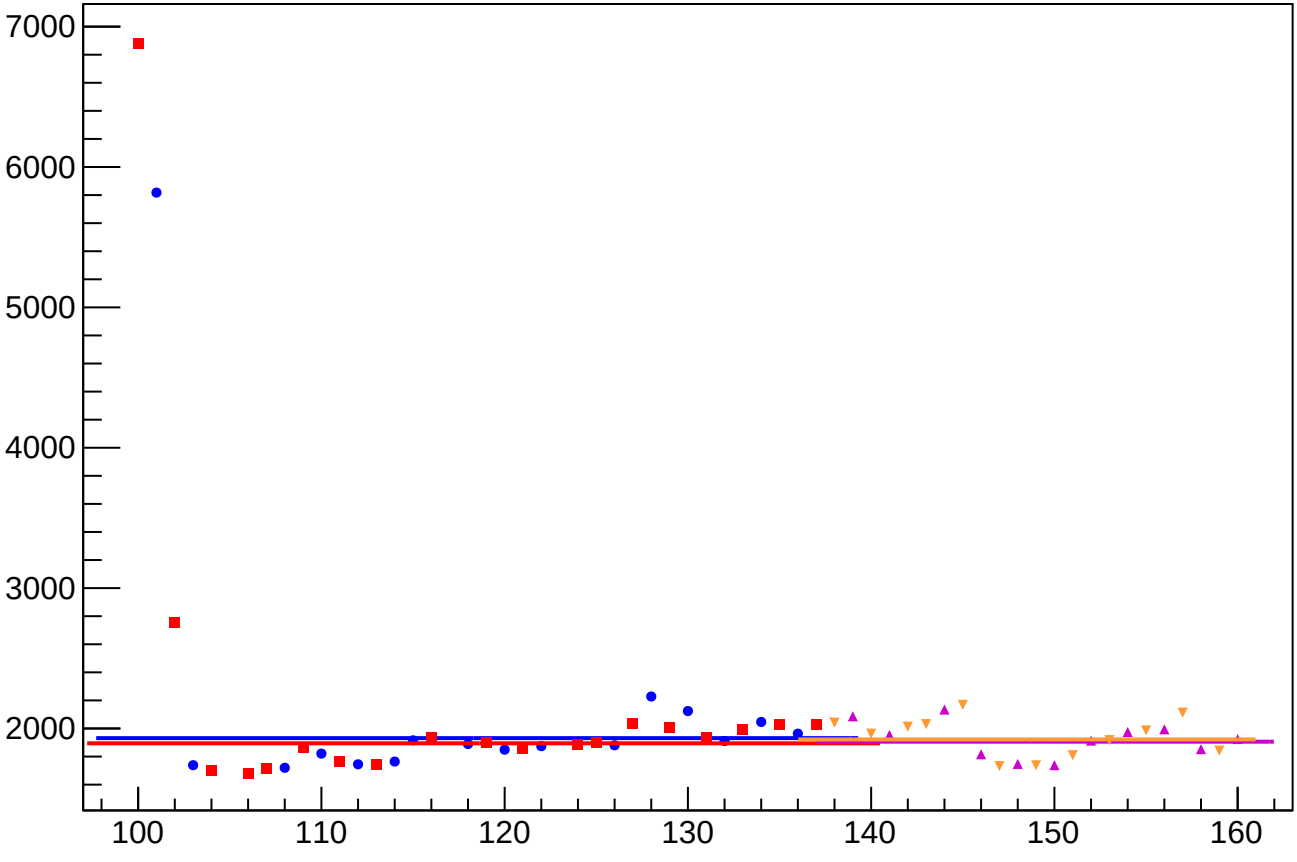
Left In: -2227.392+/-618.003 χ^2/NDF:19.1/10

+ sign 2532.476+/-475.743 χ^2/NDF: 28.0/27

All: 32.828+/-332.589 χ^2/NDF: 114.4/57

- 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: 1922.047+/-0.441 χ^2/NDF:97287.9/11

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

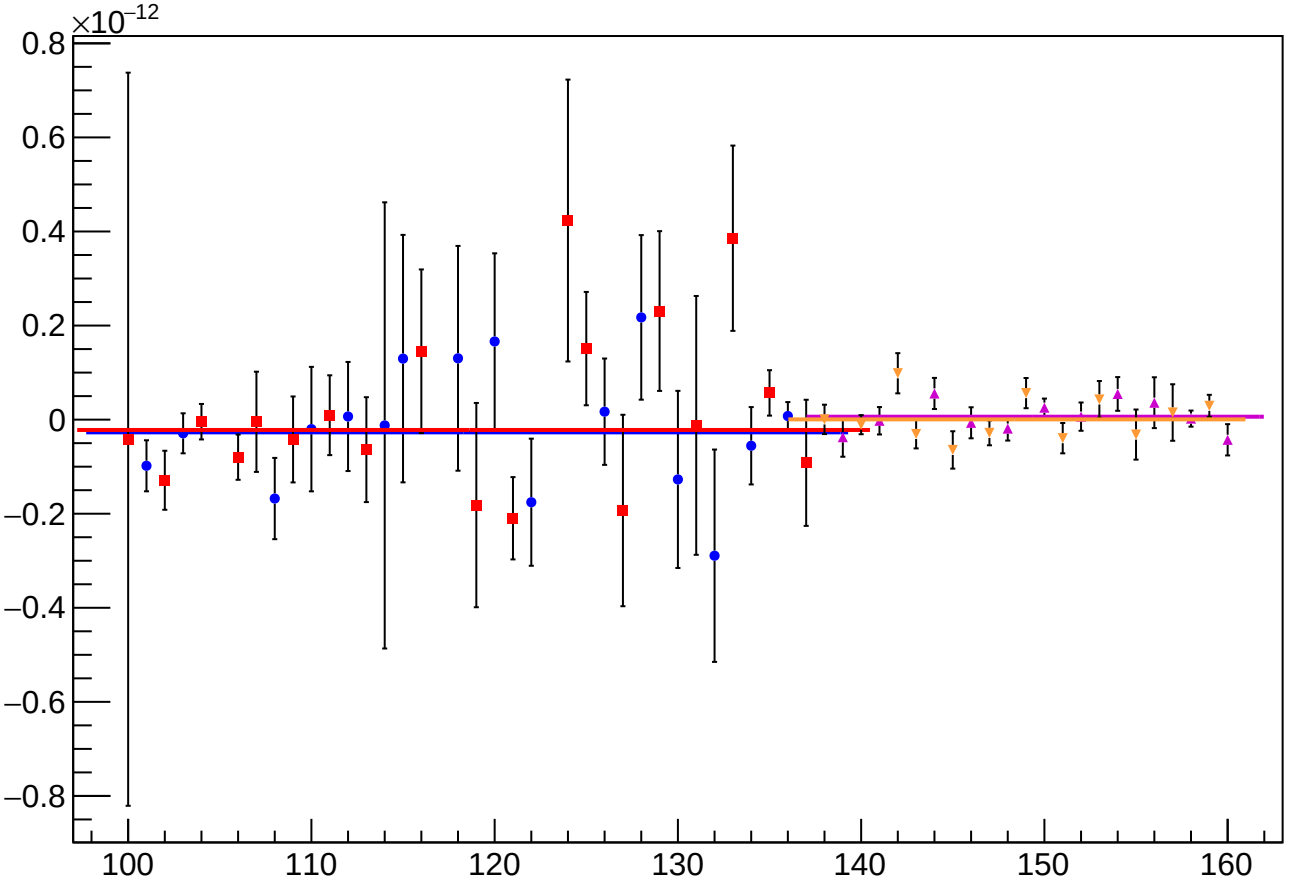
Left In: 1906.037+/-0.437 χ^2/NDF:76193.6/10

+ sign 1925.902+/-0.336 χ^2/NDF: 758697.2/27

All: 1913.155+/-0.235 χ^2/NDF: 1058550.2/57

- 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:18.1/11

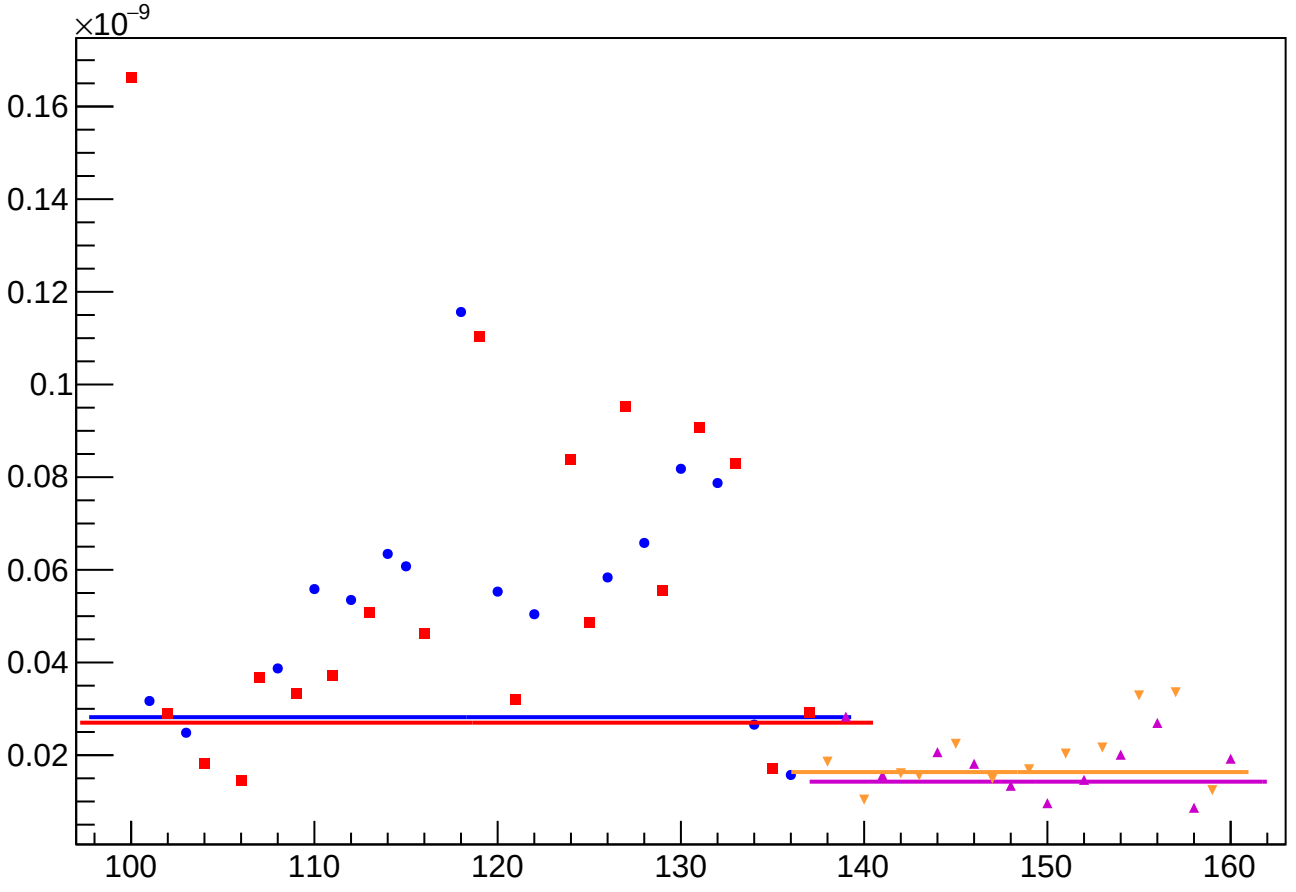
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 32.6/27

All: -0.000+/-0.000 χ^2/NDF: 70.0/57

- 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:716839.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

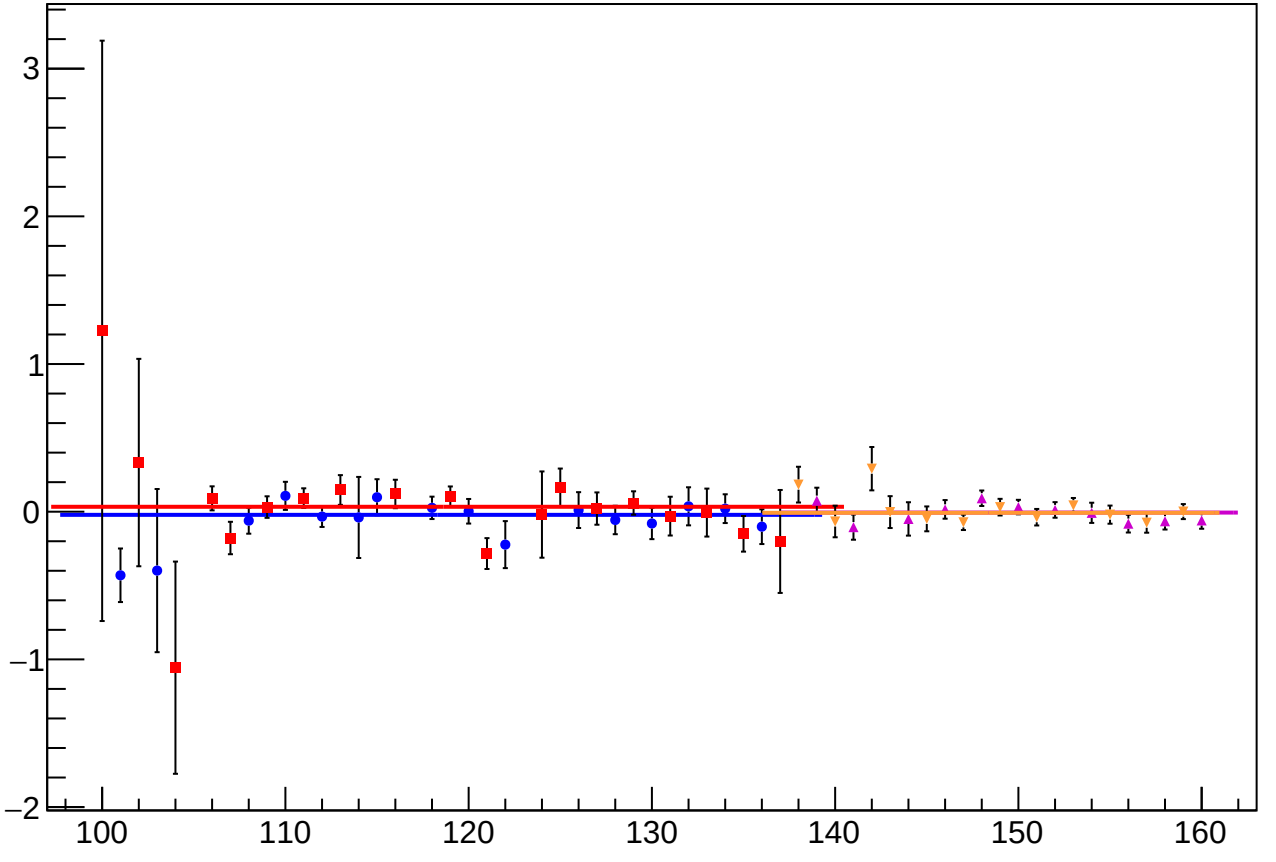
Left In: 0.000+/-0.000 χ^2/NDF:875450.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 2831820.0/27

All: 0.000+/-0.000 χ^2/NDF: 6072638.9/57

- 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: -0.007+/-0.019 χ^2/NDF:11.5/11

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

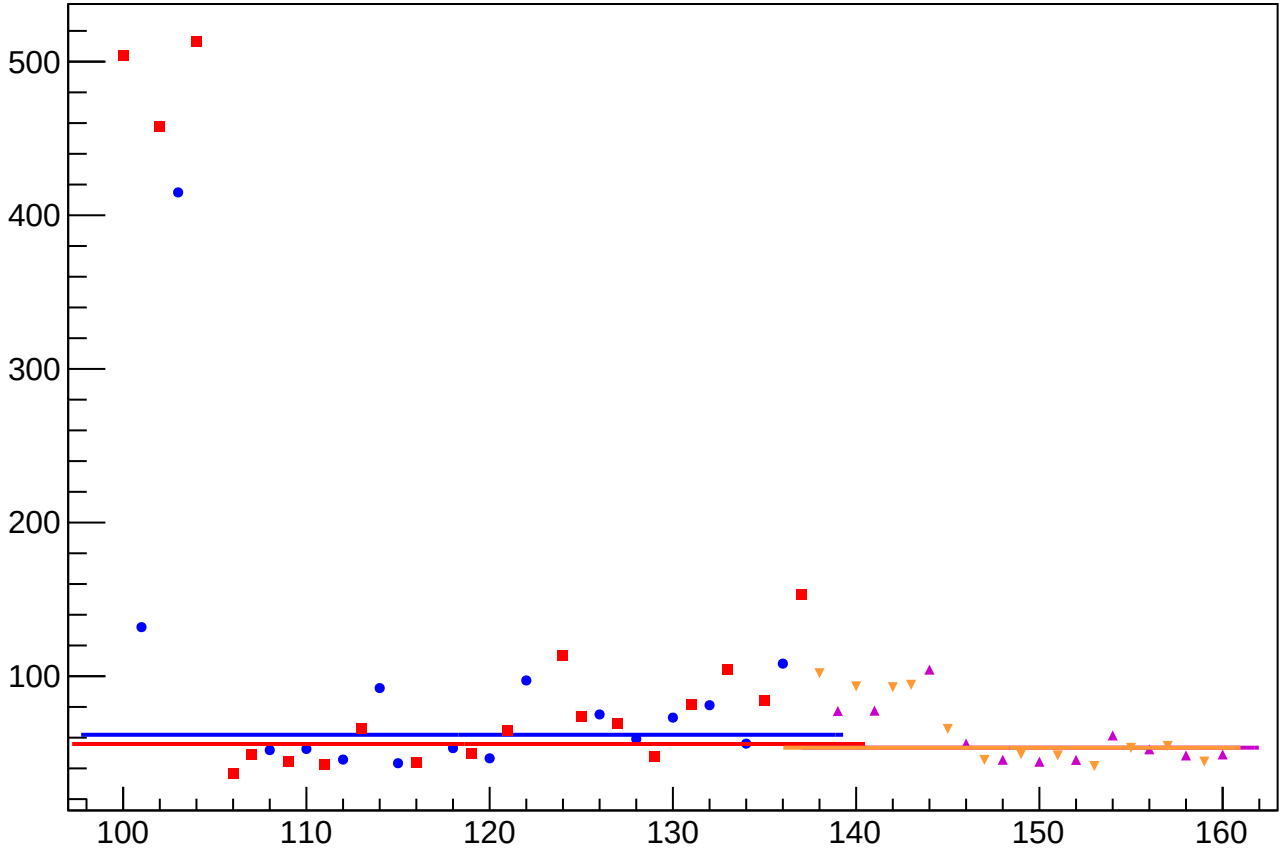
Left In: -0.006+/-0.019 χ^2/NDF:10.1/10

+ sign -0.012+/-0.016 χ^2/NDF: 23.7/27

All: -0.001+/-0.011 χ^2/NDF: 60.6/57

- 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: 53.448+/-0.014 χ^2/NDF:1323320.4/11

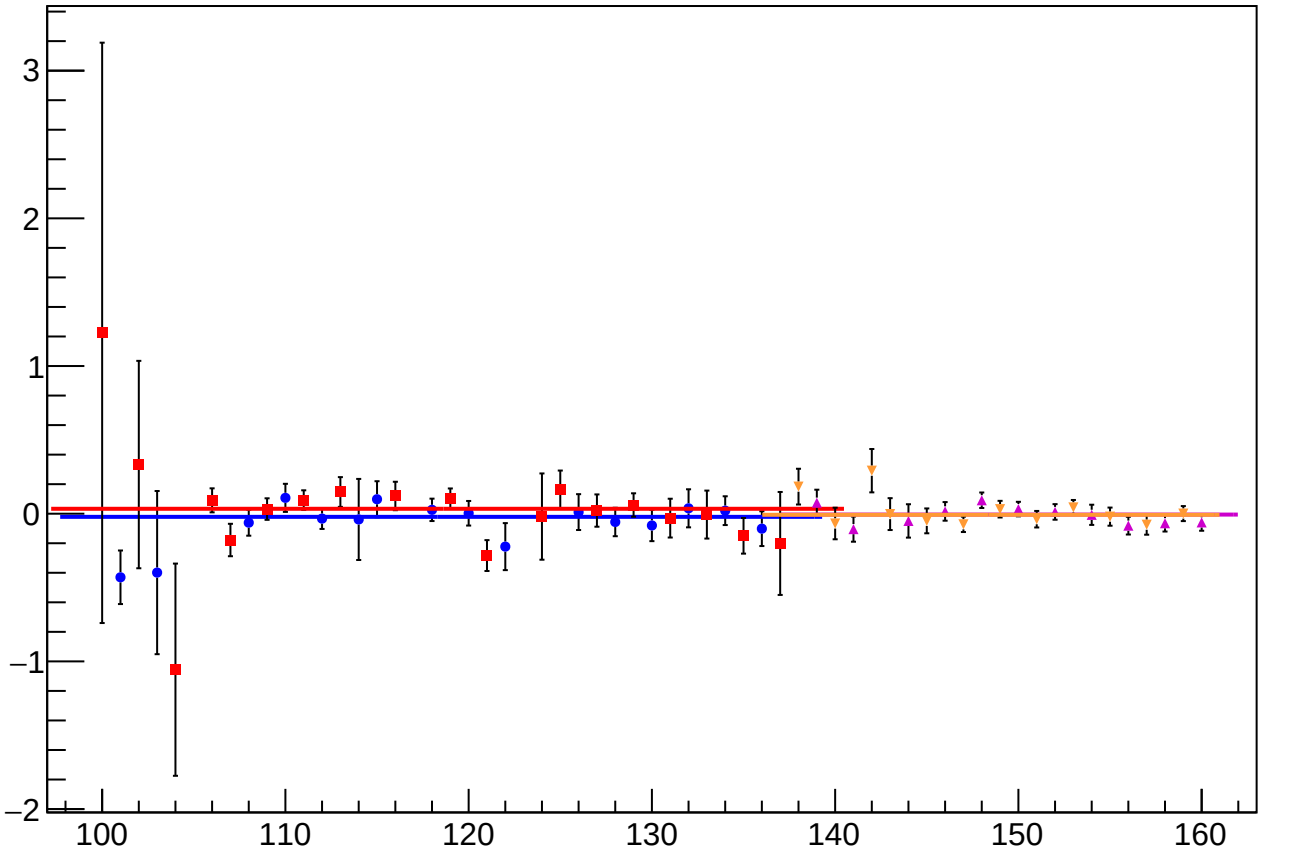
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 53.489+/-0.013 χ^2/NDF:930016.5/10

+ sign 56.353+/-0.011 χ^2/NDF: 3393284.8/27

All: 55.316+/-0.008 χ^2/NDF: 6943553.7/57

- 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: -0.007+/-0.019 χ^2/NDF:11.5/11

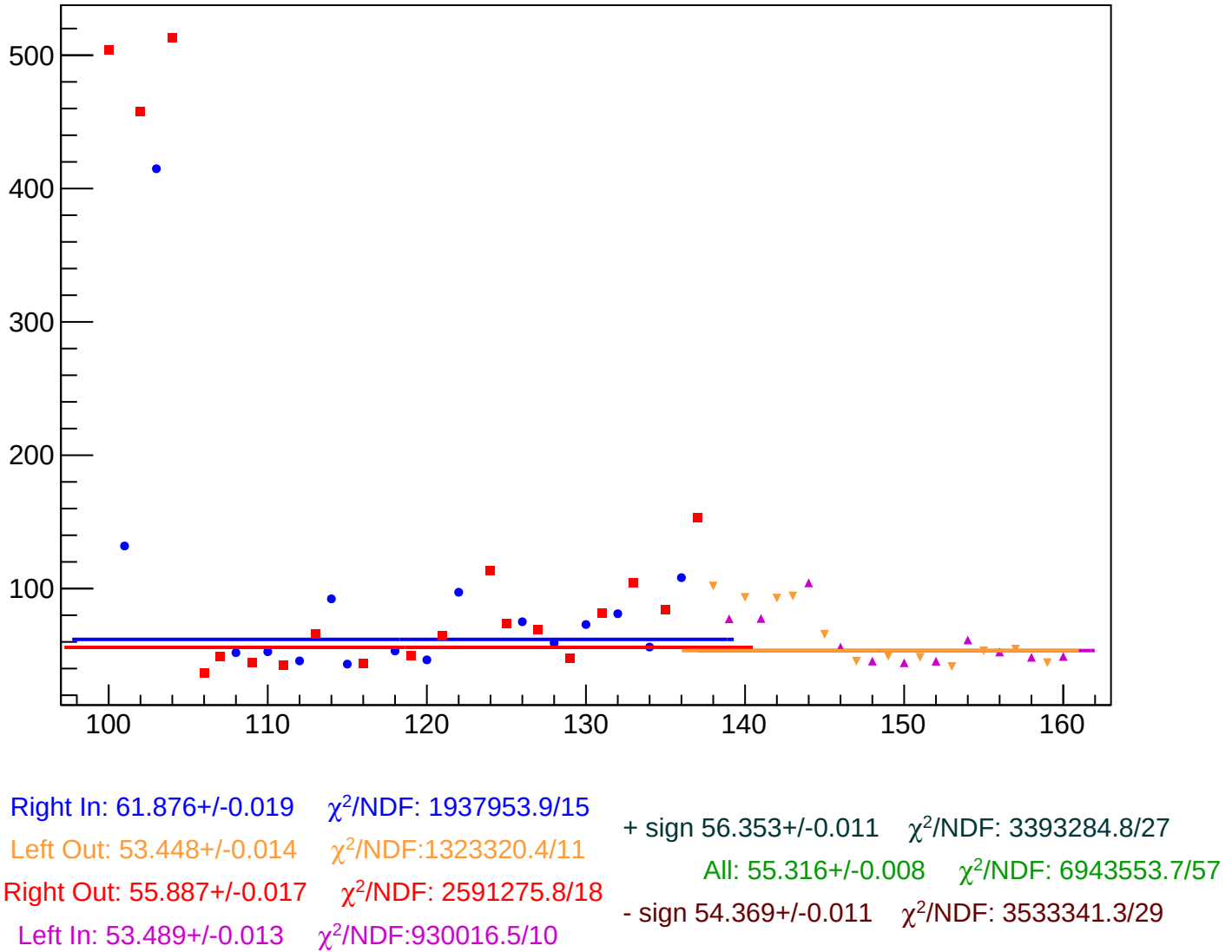
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

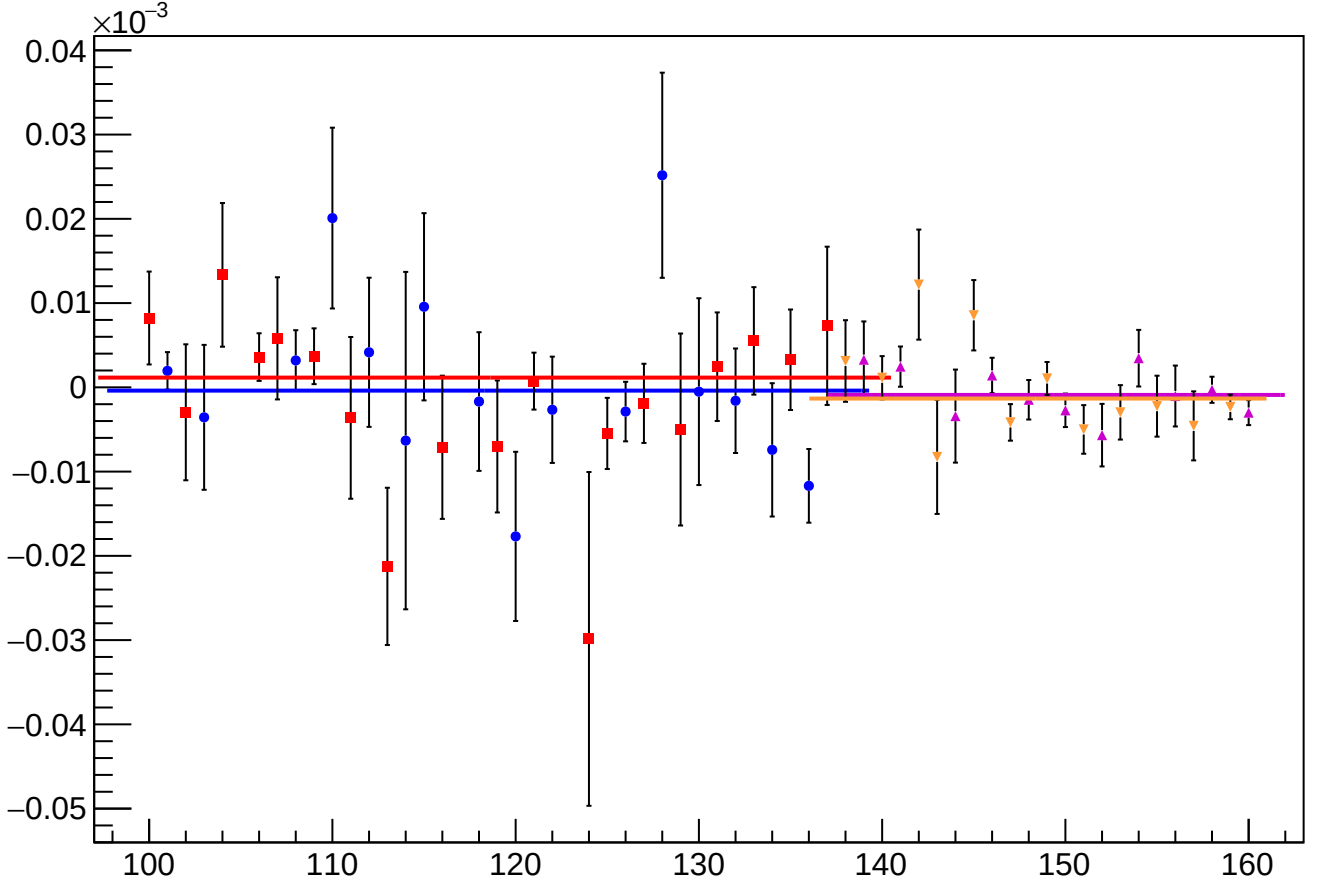
Left In: -0.006+/-0.019 χ^2/NDF:10.1/10

+ sign -0.012+/-0.016 χ^2/NDF: 23.7/27

All: -0.001+/-0.011 χ^2/NDF: 60.6/57

- 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: 53.448+/-0.014 χ²/NDF:1323320.4/11
Right Out: 55.887+/-0.017 χ²/NDF: 2591275.8/18
Left In: 53.489+/-0.013 χ²/NDF:930016.5/10
+ sign 56.353+/-0.011 χ²/NDF: 3393284.8/27
All: 55.316+/-0.008 χ²/NDF: 6943553.7/57
- 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:18.9/11

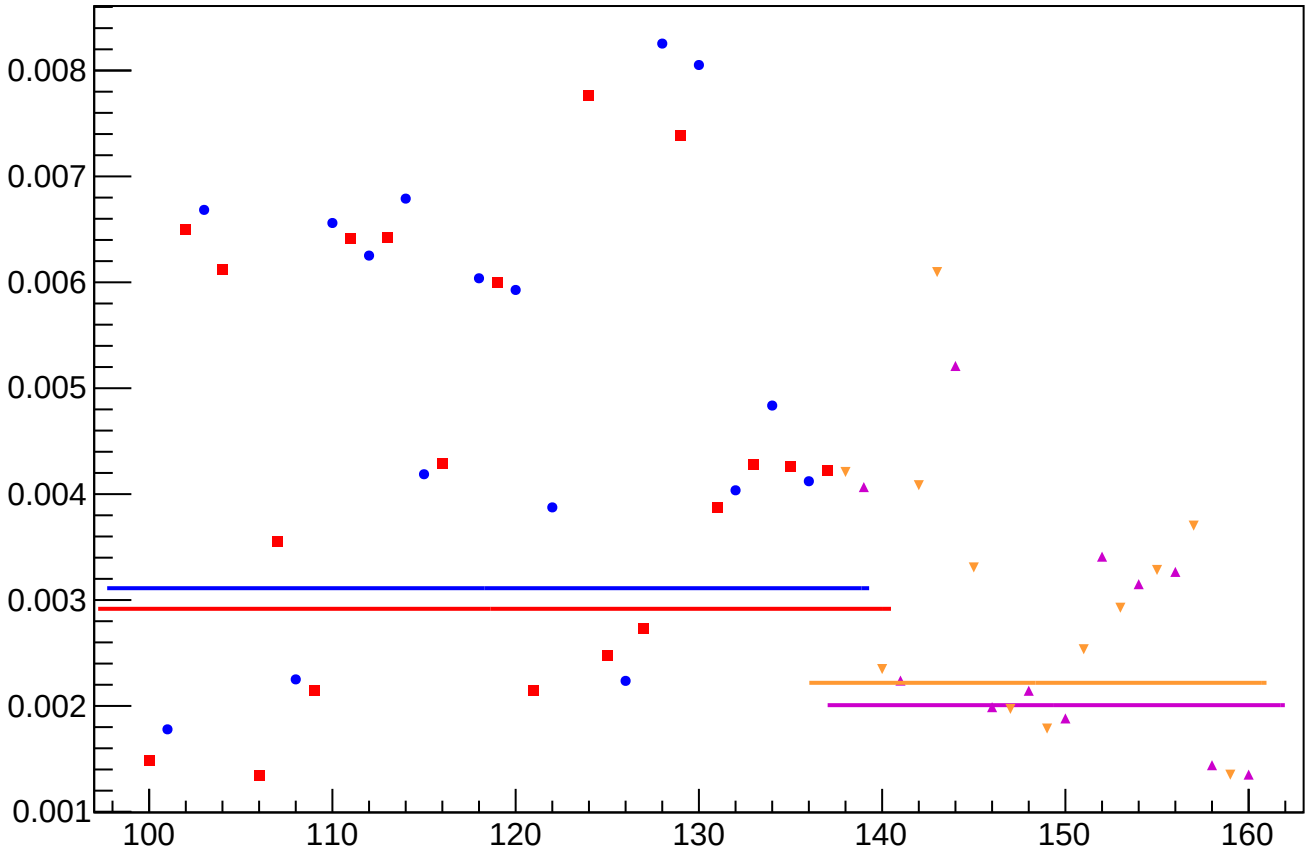
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 41.9/27

All: -0.000+/-0.000 χ^2/NDF: 75.6/57

- 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:2682777.4/11

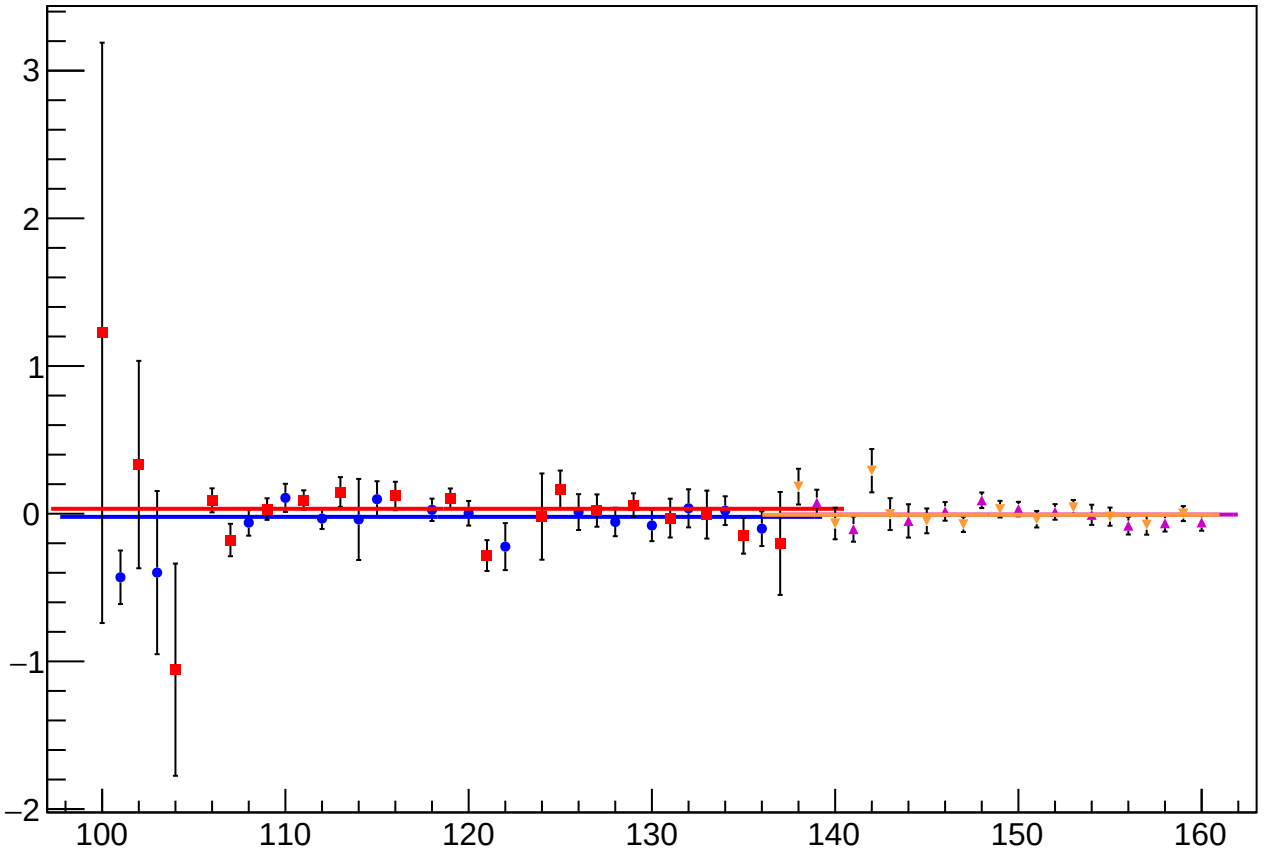
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2535244.4/10

+ sign 0.002+/-0.000 χ^2/NDF: 6631387.1/27

All: 0.002+/-0.000 χ^2/NDF: 13387768.1/57

- sign 0.002+/-0.000 χ^2/NDF: 6633336.0/29



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.007+/-0.019 χ^2/NDF:11.5/11

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

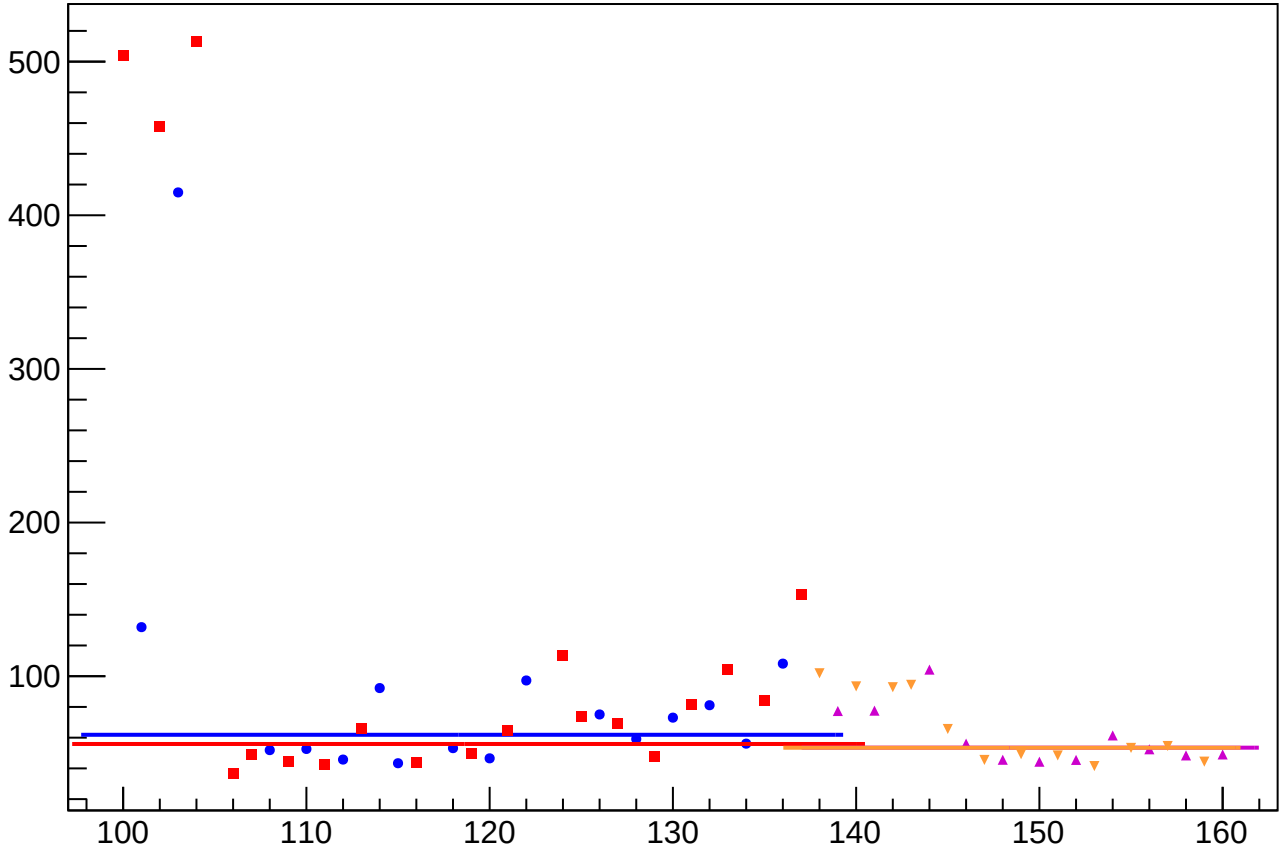
Left In: -0.006+/-0.019 χ^2/NDF:10.1/10

+ sign -0.012+/-0.016 χ^2/NDF: 23.7/27

All: -0.001+/-0.011 χ^2/NDF: 60.6/57

- sign 0.008+/-0.015 χ^2/NDF: 36.0/29

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.448+/-0.014 χ^2/NDF:1323361.7/11

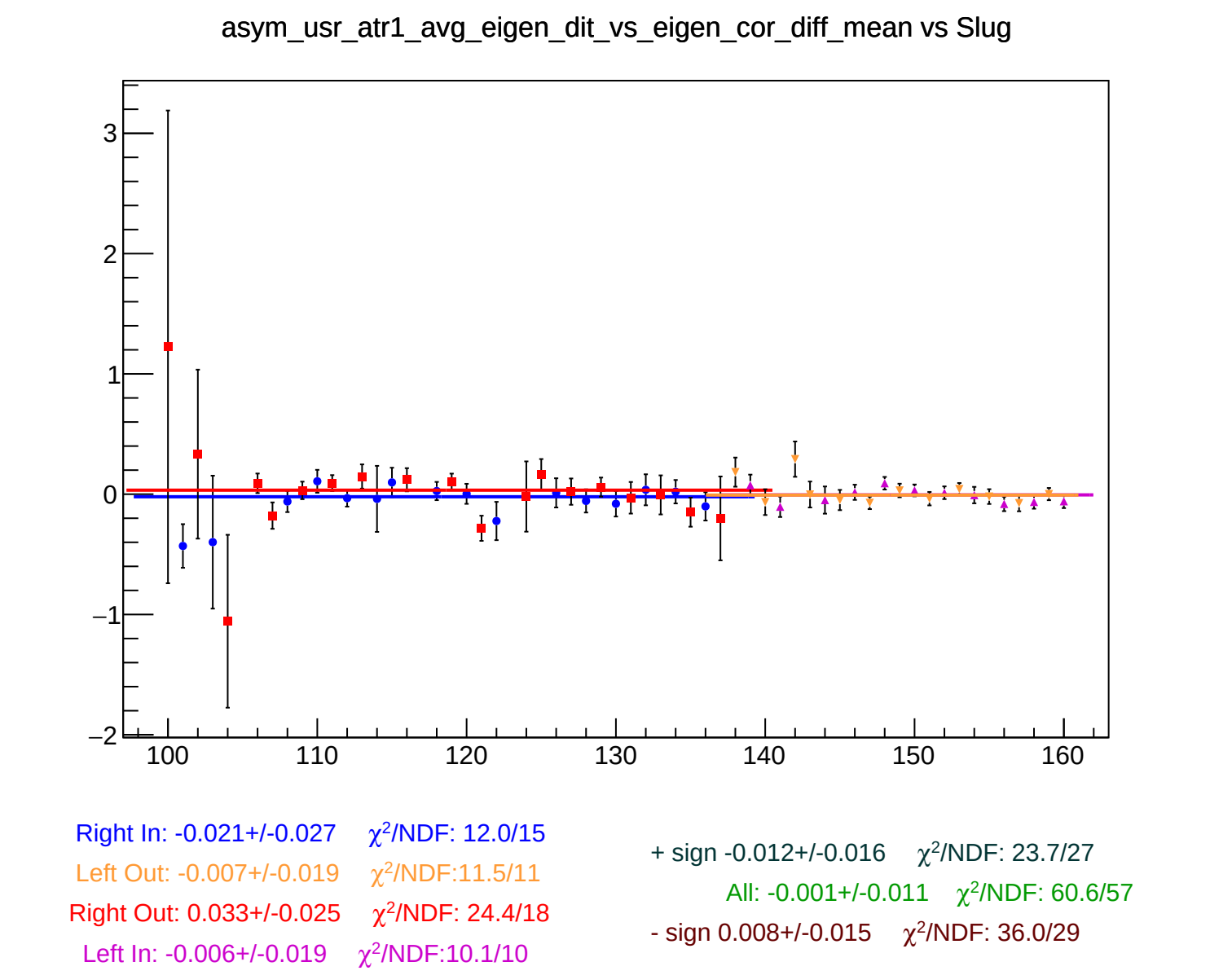
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

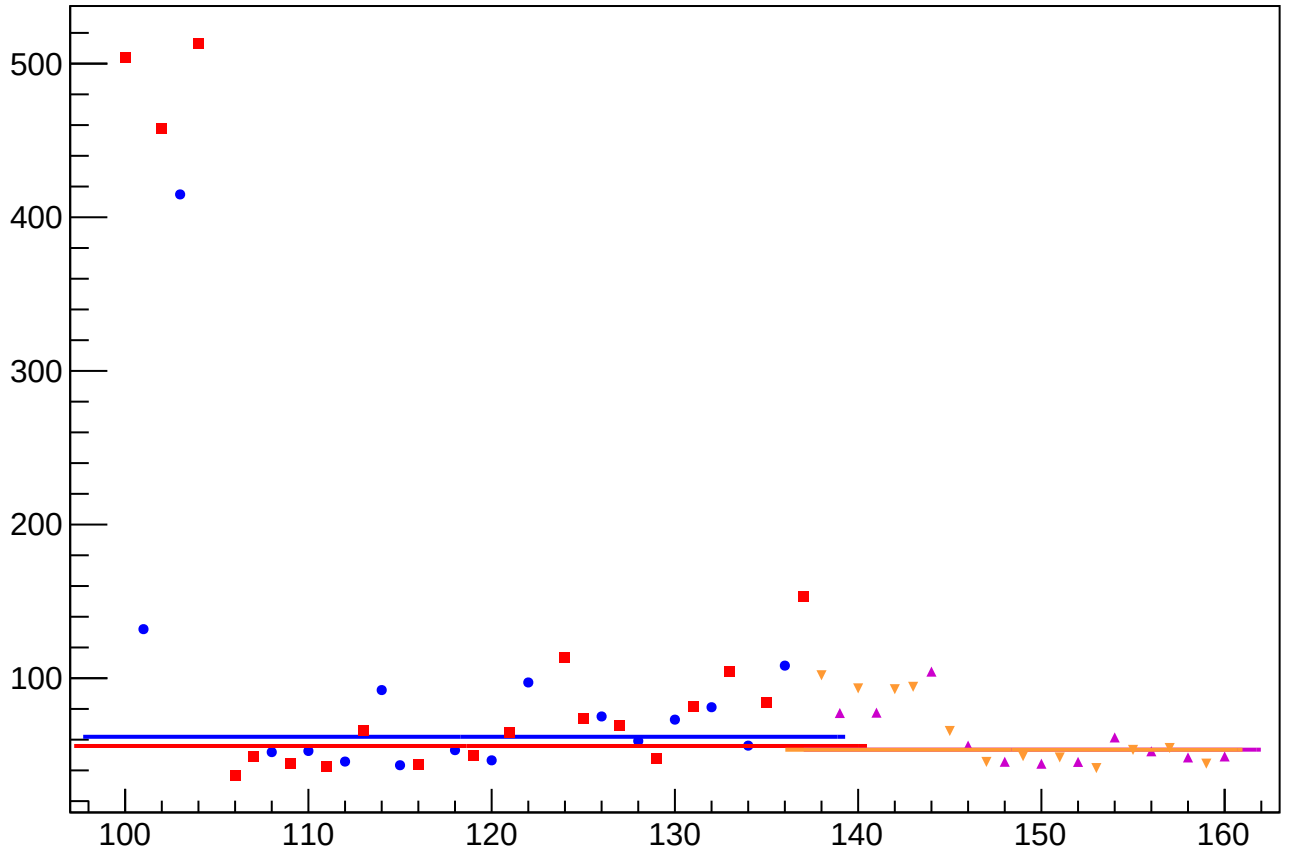
Left In: 53.489+/-0.013 χ^2/NDF:930001.4/10

+ sign 56.352+/-0.011 χ^2/NDF: 3393267.1/27

All: 55.315+/-0.008 χ^2/NDF: 6943465.6/57

- sign 54.369+/-0.011 χ^2/NDF: 3533274.6/29


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.007+/-0.019 χ²/NDF:11.5/11
Right Out: 0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.006+/-0.019 χ²/NDF:10.1/10
+ sign -0.012+/-0.016 χ²/NDF: 23.7/27
All: -0.001+/-0.011 χ²/NDF: 60.6/57
- sign 0.008+/-0.015 χ²/NDF: 36.0/29



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.448+/-0.014 χ^2/NDF:1323361.7/11

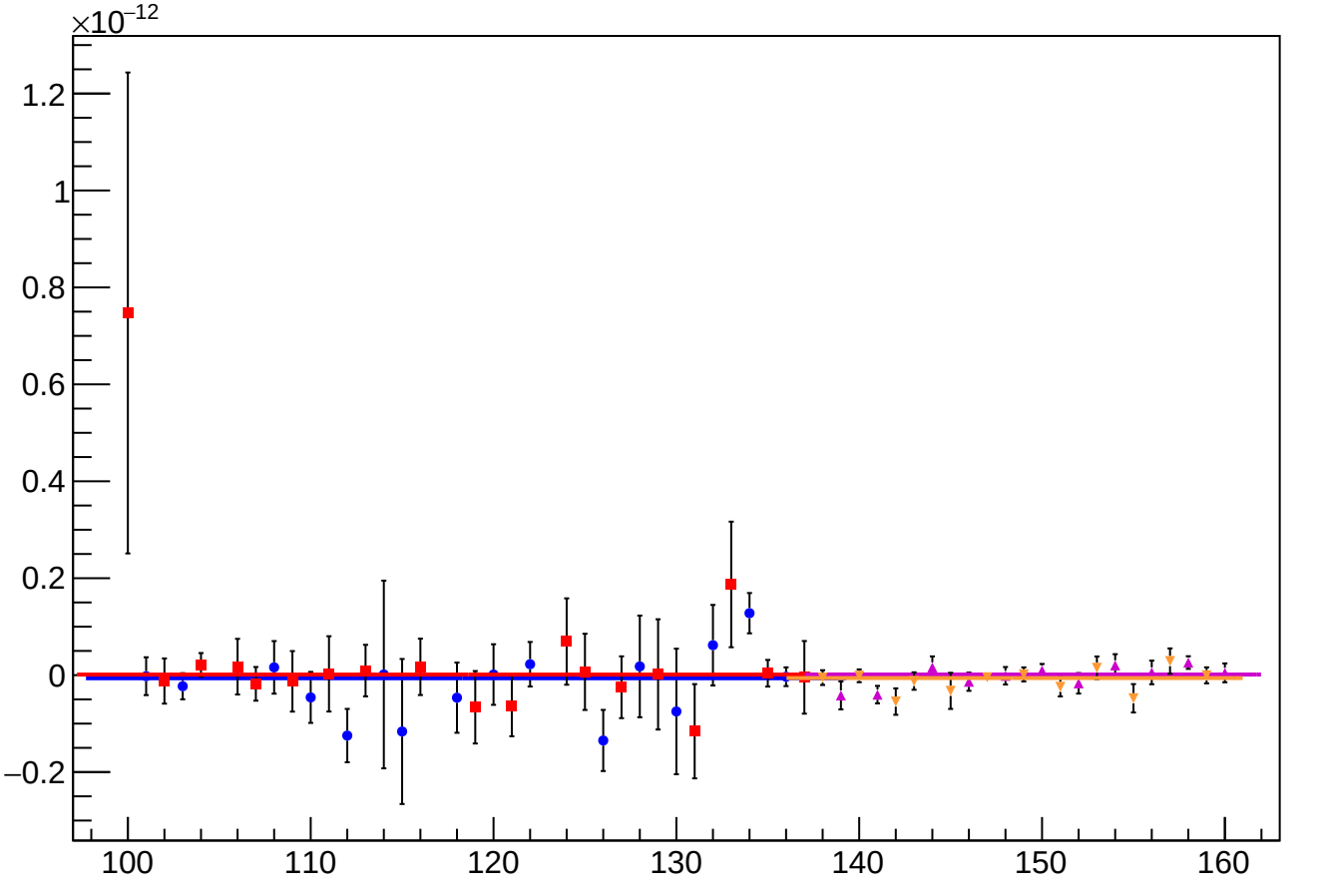
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 53.489+/-0.013 χ^2/NDF:930001.4/10

+ sign 56.352+/-0.011 χ^2/NDF: 3393267.1/27

All: 55.315+/-0.008 χ^2/NDF: 6943465.6/57

- 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:9.8/11

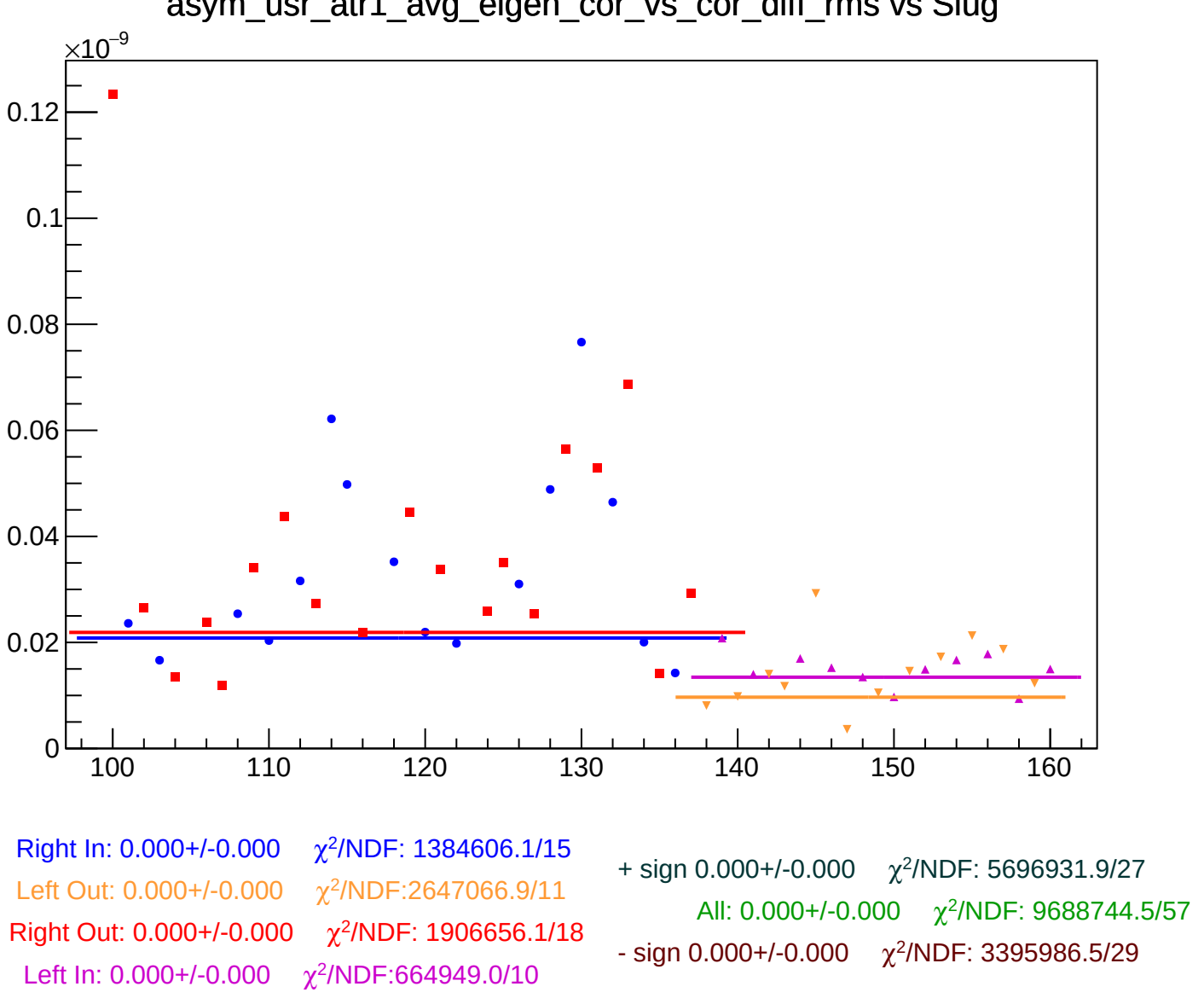
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:14.0/10

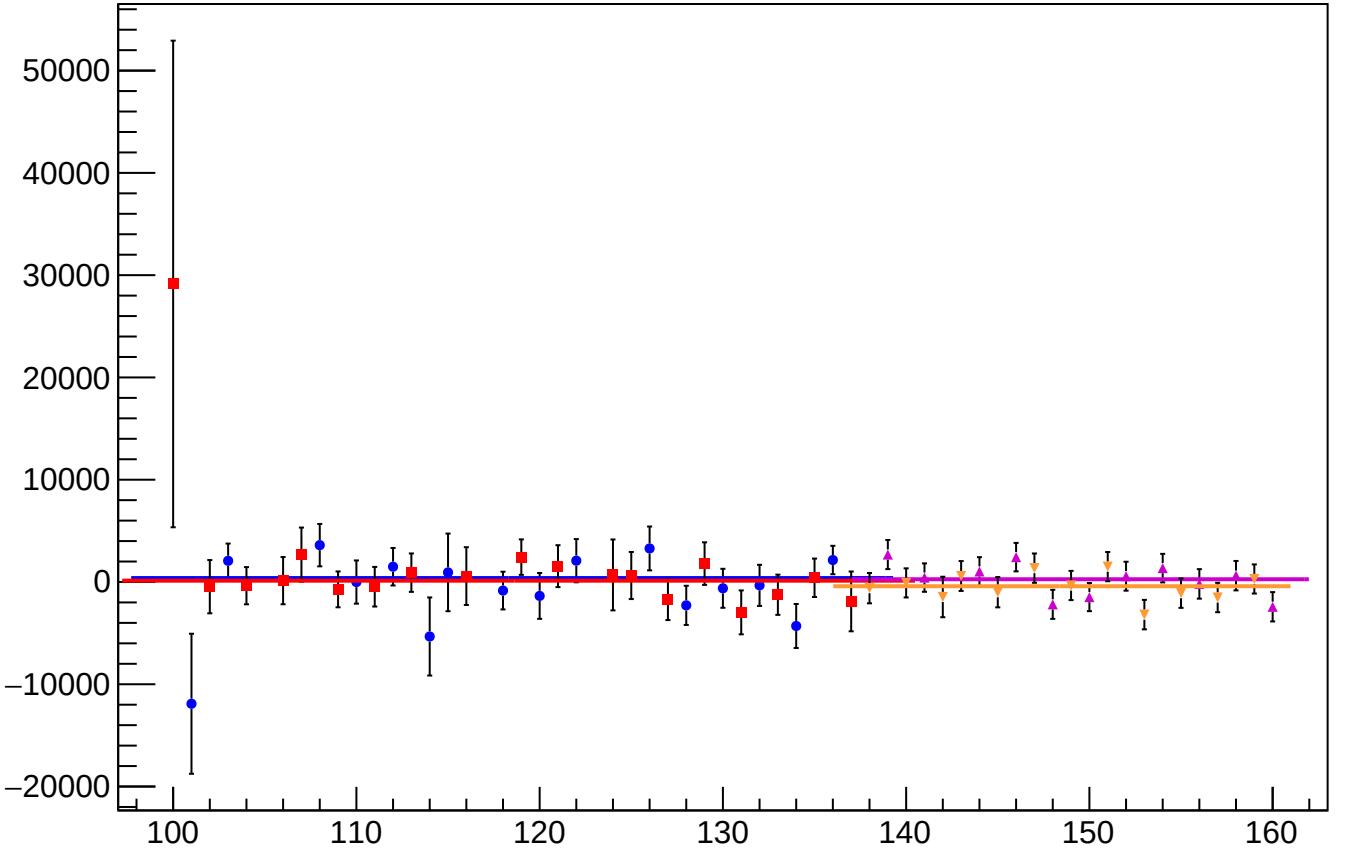
+ sign -0.000+/-0.000 χ^2/NDF: 32.4/27

All: -0.000+/-0.000 χ^2/NDF: 57.3/57

- sign 0.000+/-0.000 χ^2/NDF: 23.7/29


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1384606.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2647066.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 1906656.1/18
Left In: 0.000+/-0.000 χ²/NDF:664949.0/10
+ sign 0.000+/-0.000 χ²/NDF: 5696931.9/27
All: 0.000+/-0.000 χ²/NDF: 9688744.5/57
- sign 0.000+/-0.000 χ²/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: -416.074+/-424.943 χ^2/NDF:9.1/11

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

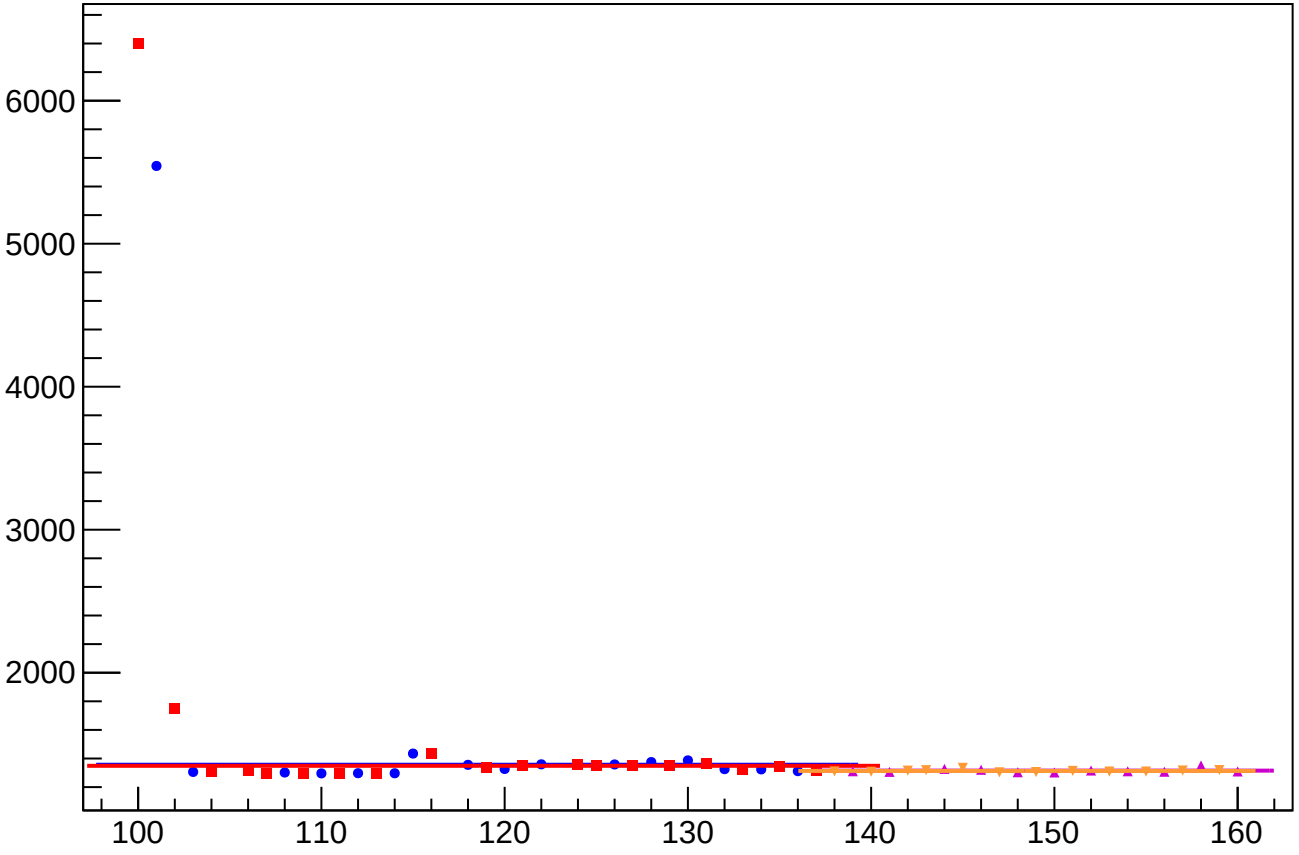
Left In: 265.339+/-425.423 χ^2/NDF:14.5/10

+ sign -95.121+/-328.484 χ^2/NDF: 32.0/27

All: 58.274+/-230.773 χ^2/NDF: 57.0/57

- 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: 1313.172+/-0.300 χ^2/NDF:720.1/11

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

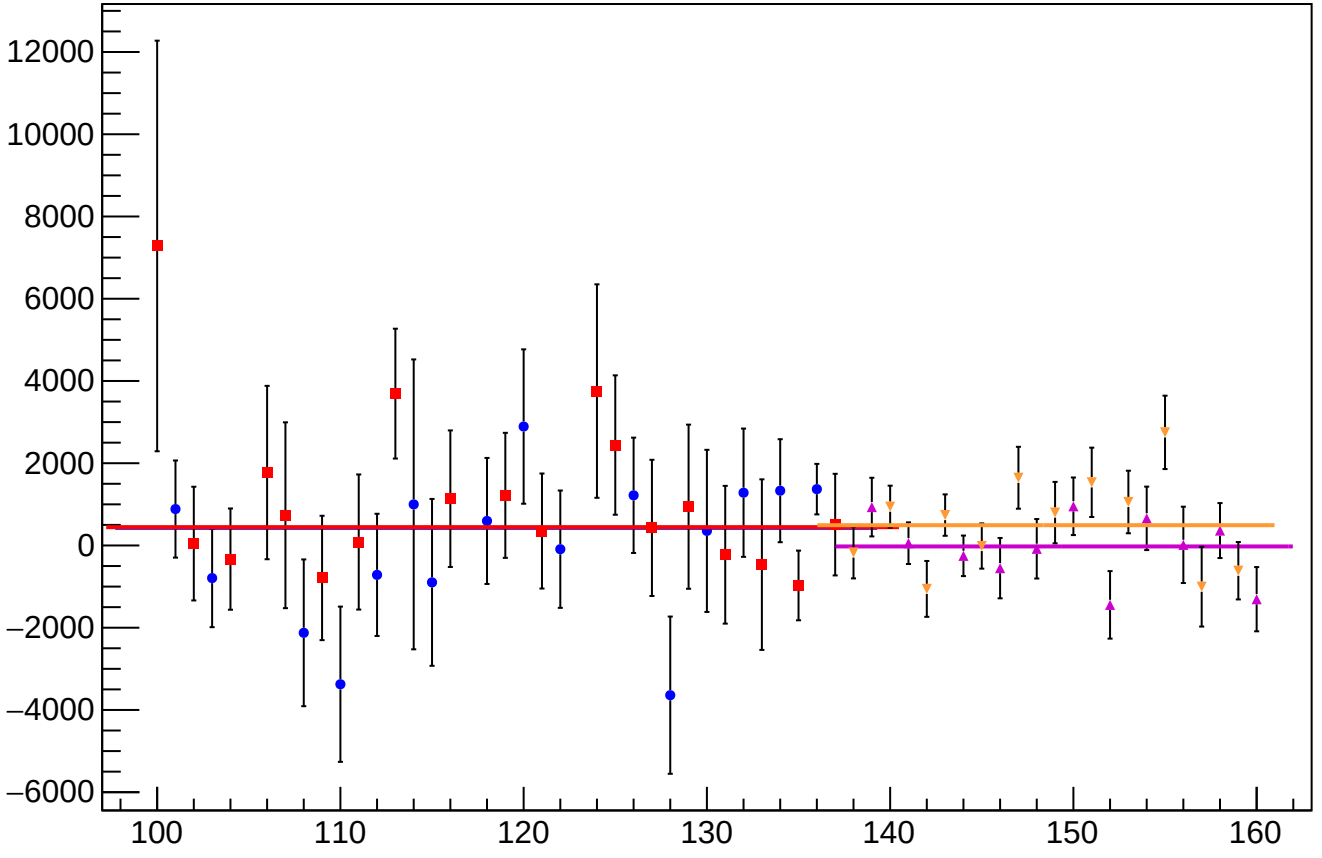
Left In: 1315.303+/-0.301 χ^2/NDF:1945.8/10

+ sign 1330.568+/-0.232 χ^2/NDF: 769314.8/27

All: 1329.982+/-0.163 χ^2/NDF: 923787.9/57

- 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: 492.965+/-192.999 χ^2/NDF:24.1/11

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

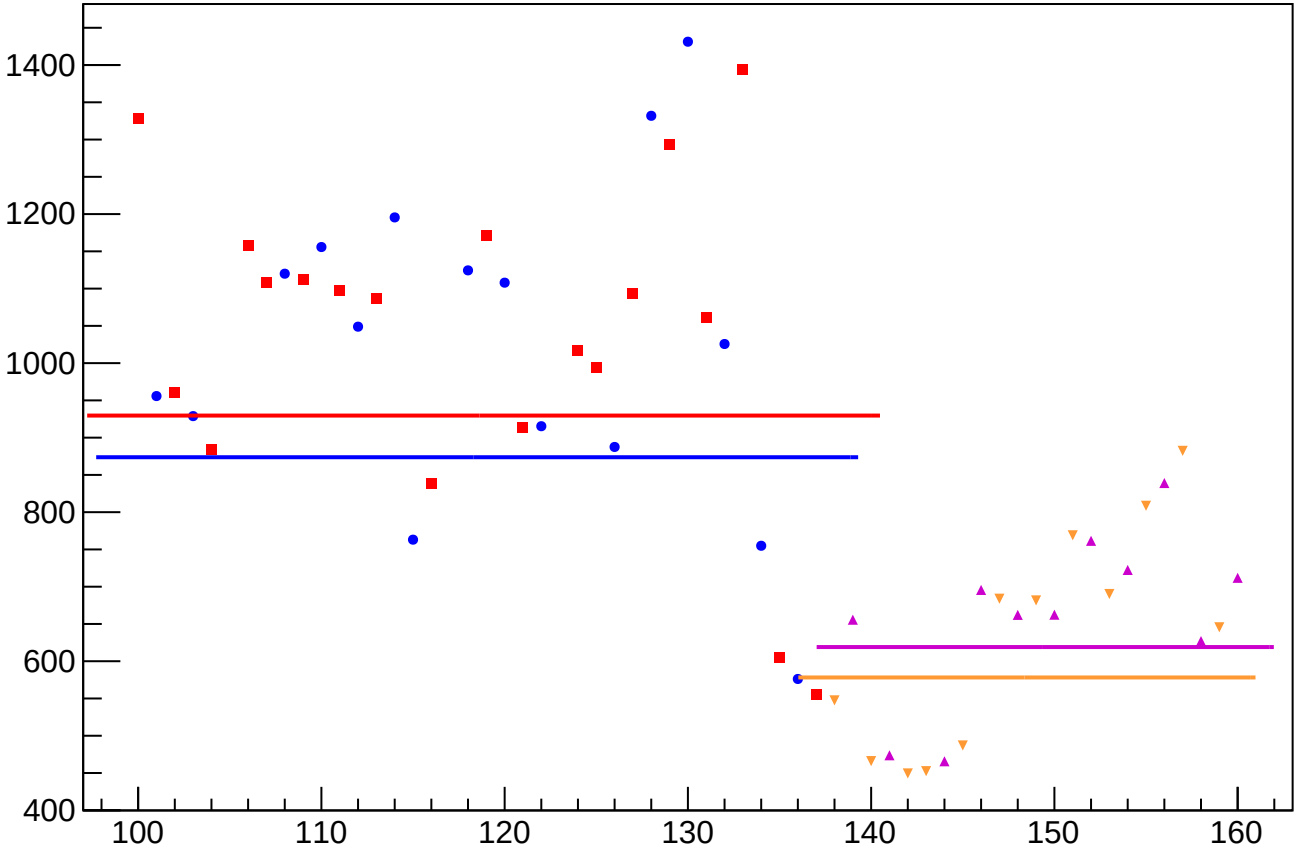
Left In: -23.694+/-204.158 χ^2/NDF:11.3/10

+ sign 477.604+/-167.657 χ^2/NDF: 42.3/27

All: 295.489+/-121.737 χ^2/NDF: 71.8/57

- 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: 578.201+/-0.136 χ^2/NDF:925545.3/11

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

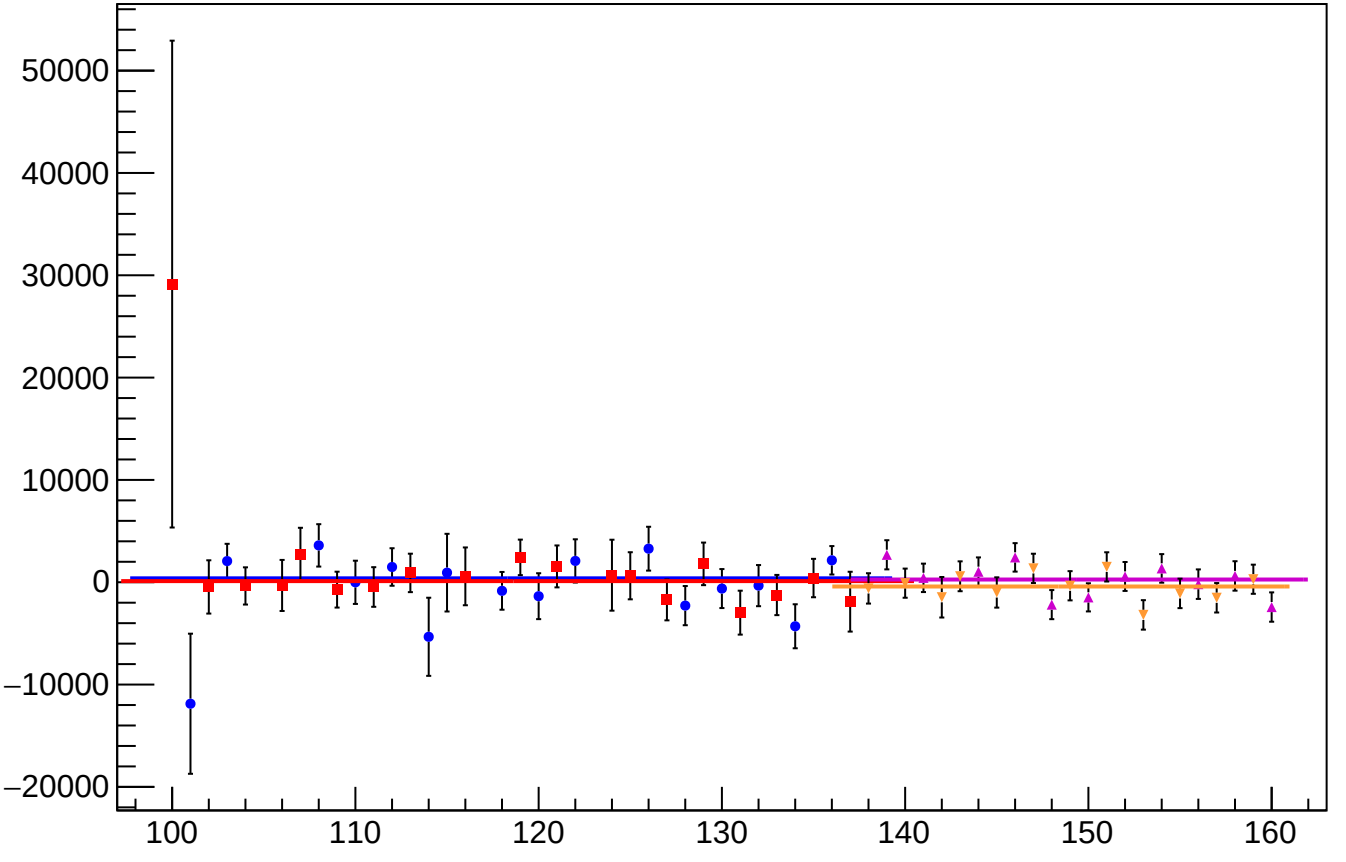
Left In: 619.011+/-0.144 χ^2/NDF:637191.5/10

+ sign 650.717+/-0.119 χ^2/NDF: 3091090.6/27

All: 672.134+/-0.086 χ^2/NDF: 5805045.2/57

- 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: -416.155+/-424.943 χ^2/NDF:9.1/11

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

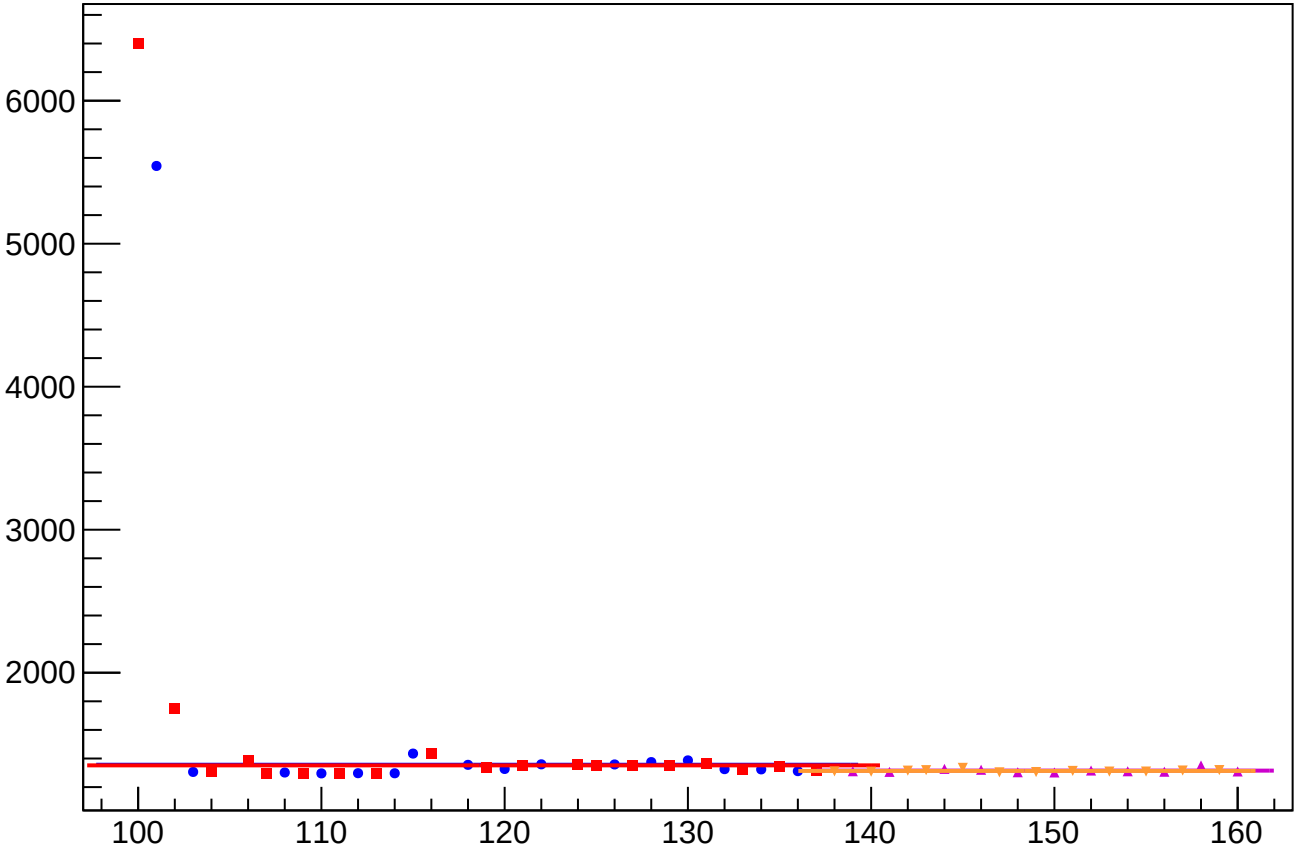
Left In: 265.347+/-425.423 χ^2/NDF:14.5/10

+ sign -95.045+/-328.484 χ^2/NDF: 32.0/27

All: 54.489+/-230.939 χ^2/NDF: 57.0/57

- 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: 1313.172+/-0.300 χ^2/NDF:720.1/11

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

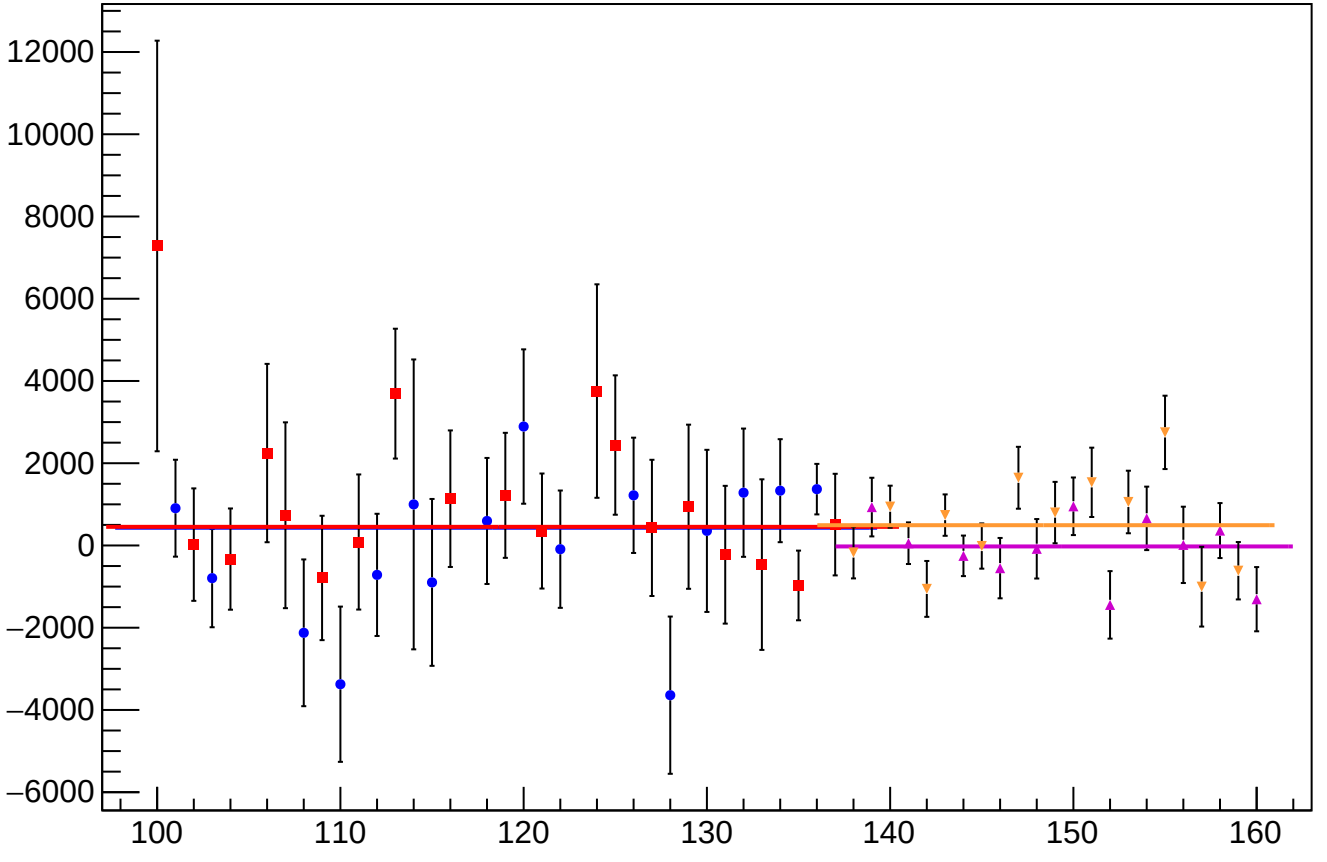
Left In: 1315.303+/-0.301 χ^2/NDF:1945.8/10

+ sign 1330.568+/-0.232 χ^2/NDF: 769313.8/27

All: 1330.611+/-0.163 χ^2/NDF: 924824.6/57

- 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: 492.892+/-193.000 χ^2/NDF:24.1/11

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

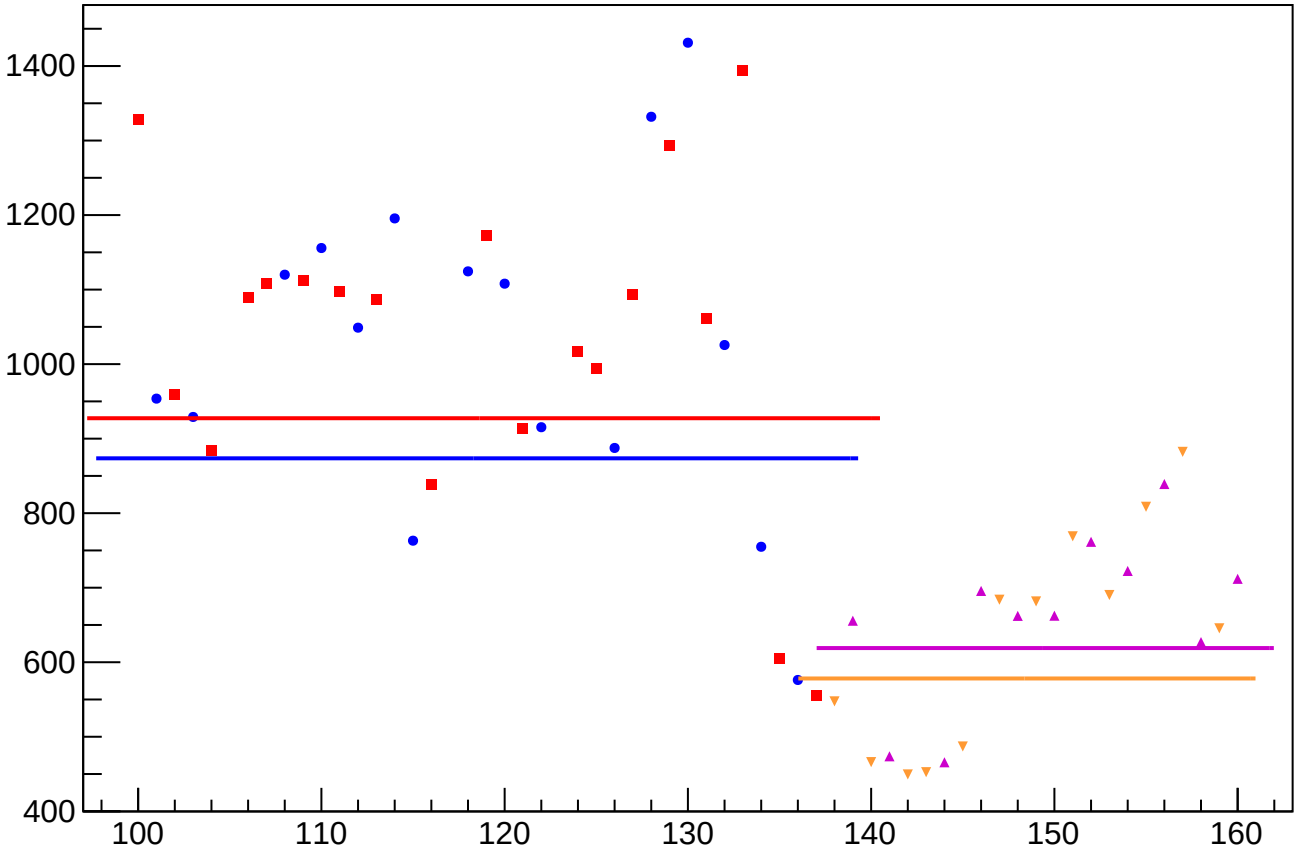
Left In: -23.742+/-204.156 χ^2/NDF:11.3/10

\+ sign 477.980+/-167.650 χ^2/NDF: 42.3/27

All: 296.669+/-121.735 χ^2/NDF: 72.2/57

\- 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: 578.204+/-0.136 χ^2/NDF:925504.2/11

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

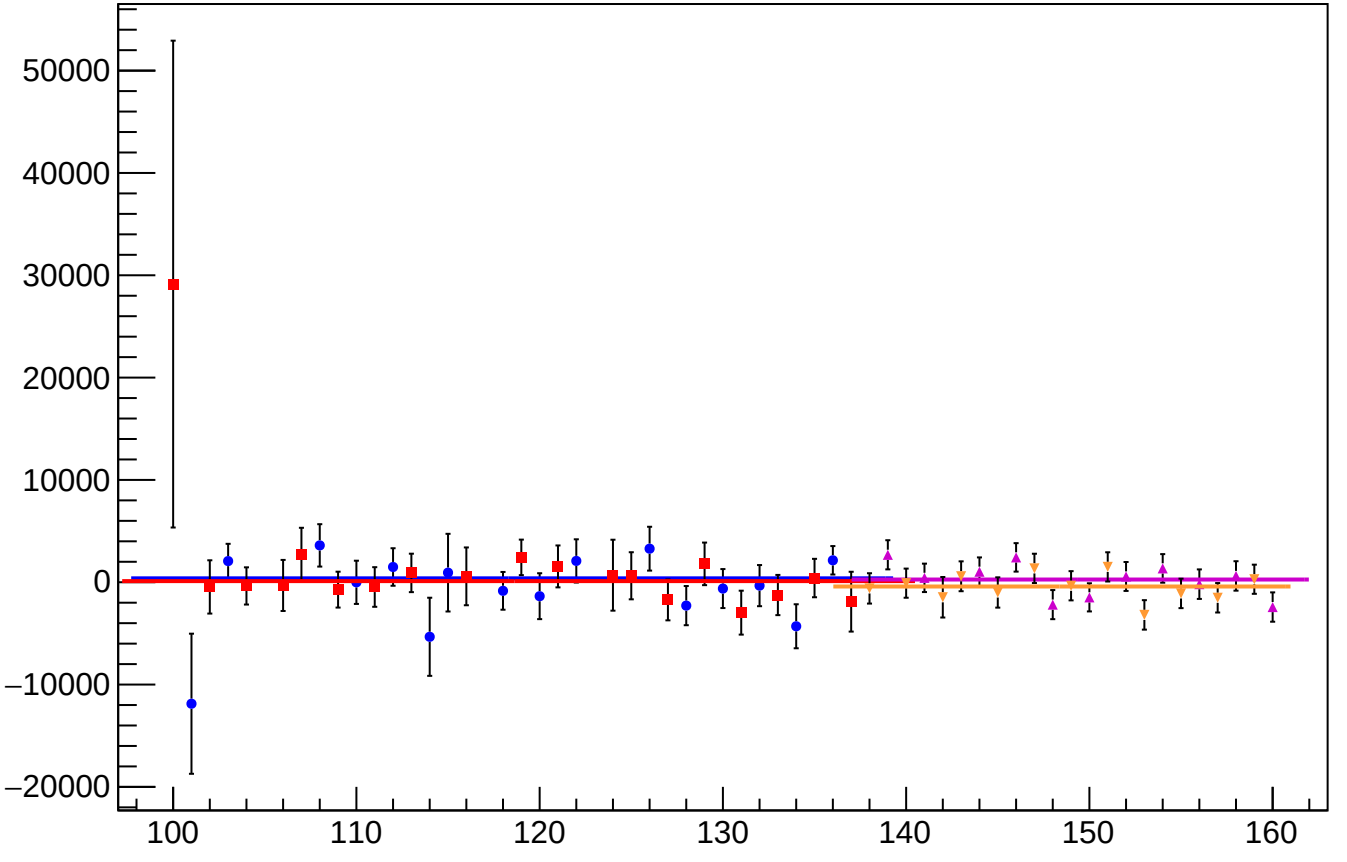
Left In: 619.004+/-0.144 χ^2/NDF:637245.2/10

+ sign 650.707+/-0.119 χ^2/NDF: 3089878.0/27

All: 671.862+/-0.086 χ^2/NDF: 5773288.2/57

- 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: -416.155+/-424.943 χ^2/NDF:9.1/11

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

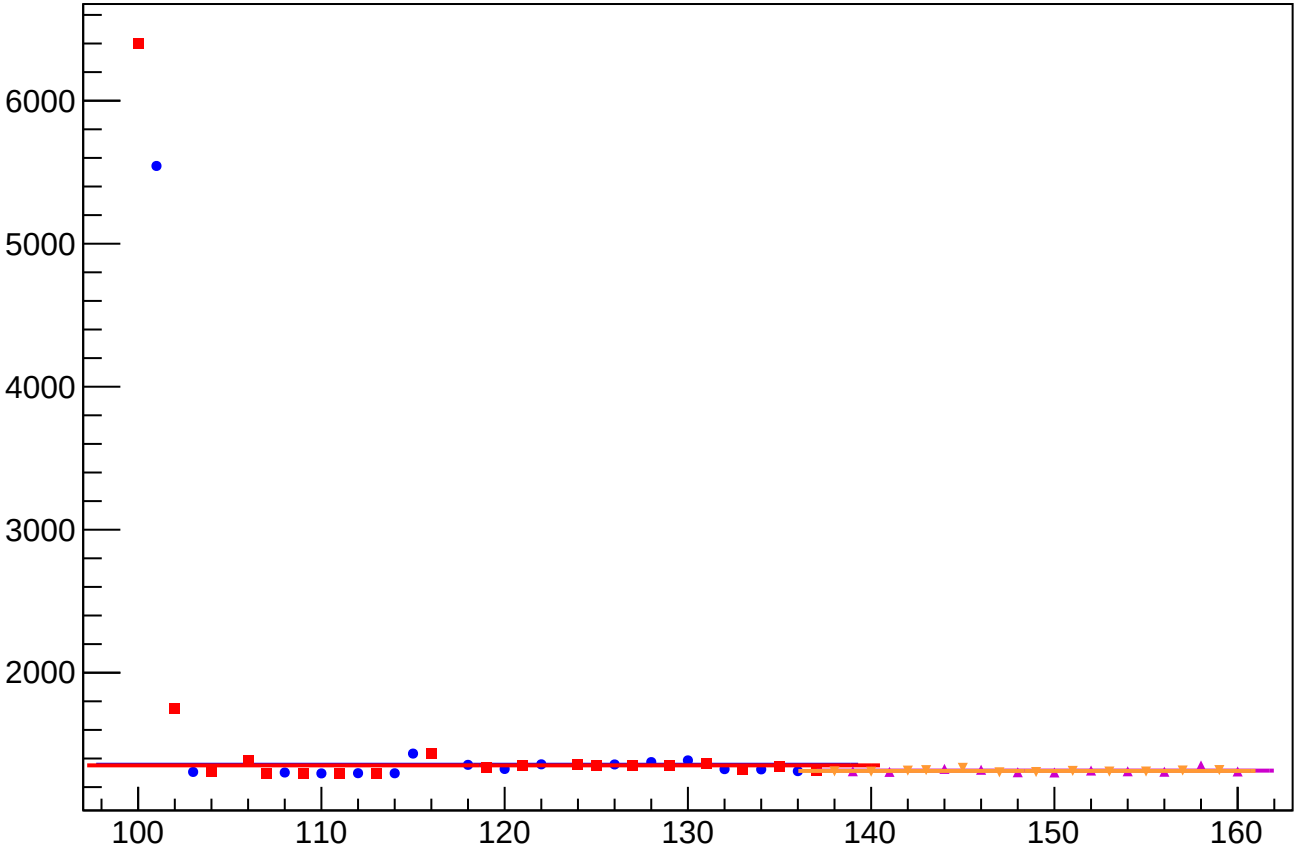
Left In: 265.347+/-425.423 χ^2/NDF:14.5/10

+ sign -95.045+/-328.484 χ^2/NDF: 32.0/27

All: 54.489+/-230.939 χ^2/NDF: 57.0/57

- 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: 1313.172+/-0.300 χ^2/NDF:720.1/11

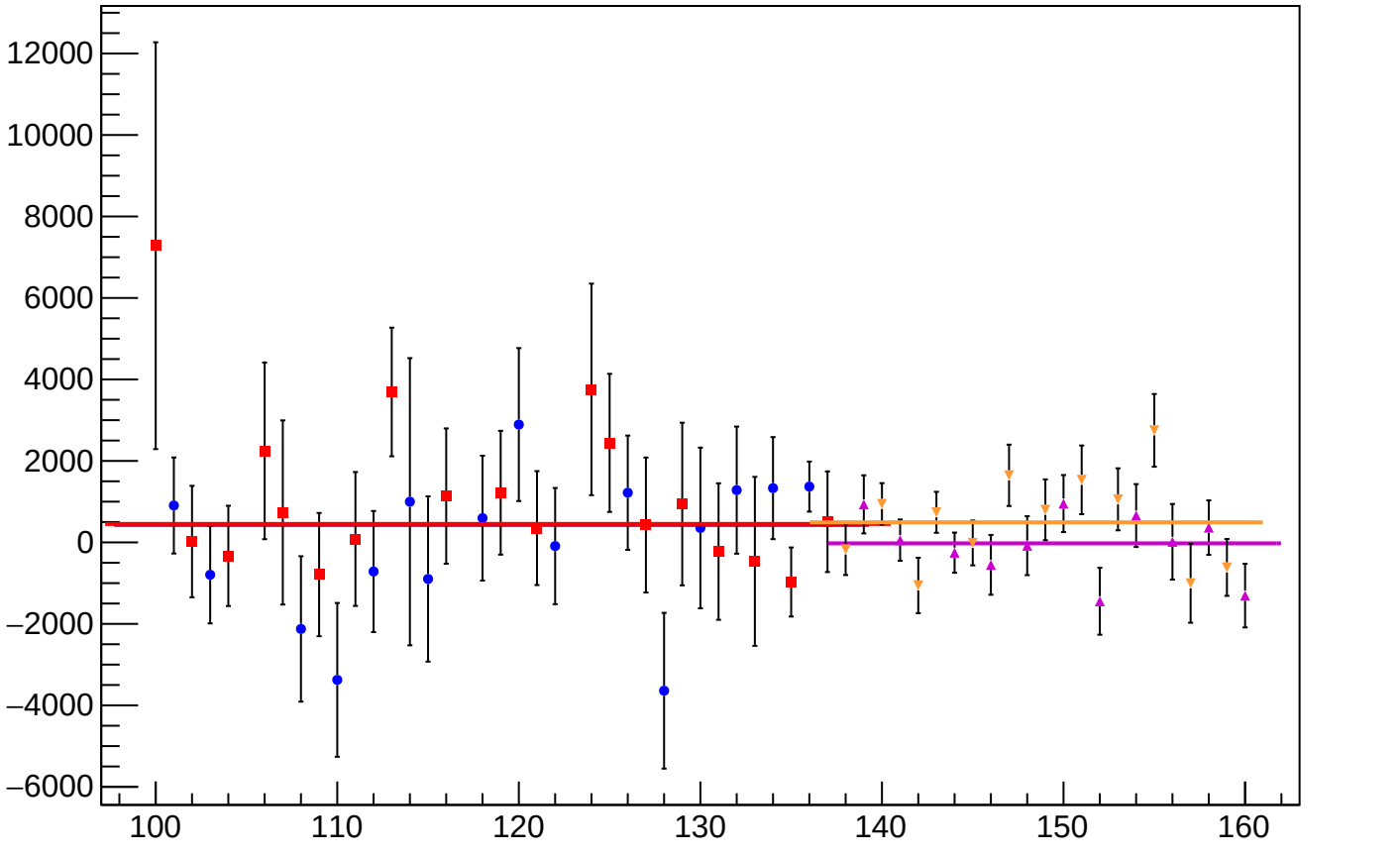
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.303+/-0.301 χ^2/NDF:1945.8/10

+ sign 1330.568+/-0.232 χ^2/NDF: 769313.8/27

All: 1330.611+/-0.163 χ^2/NDF: 924824.6/57

- 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: 492.892+/-193.000 χ^2/NDF:24.1/11

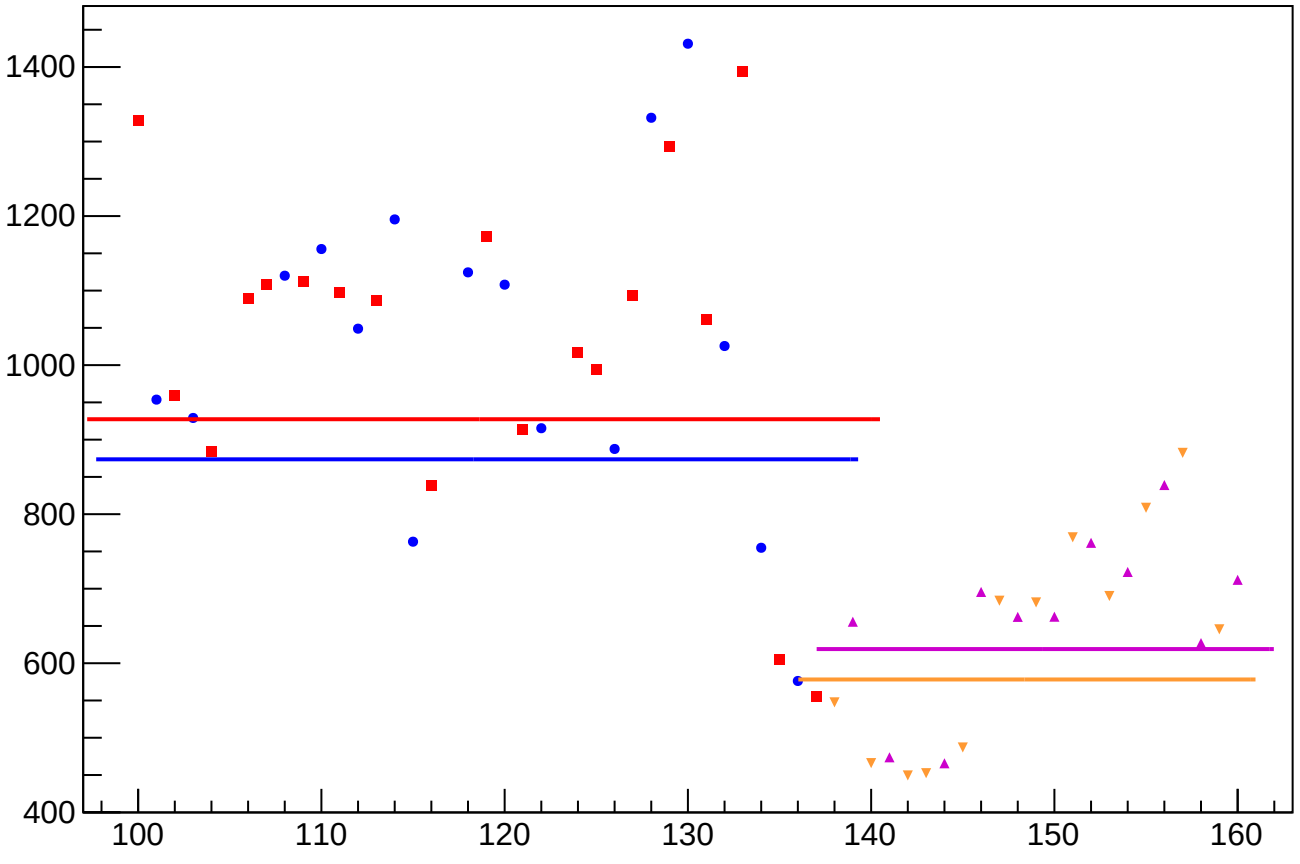
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -23.742+/-204.156 χ^2/NDF:11.3/10

\+ sign 477.980+/-167.650 χ^2/NDF: 42.3/27

All: 296.669+/-121.735 χ^2/NDF: 72.2/57

\- 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: 578.204+/-0.136 χ^2/NDF:925504.2/11

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

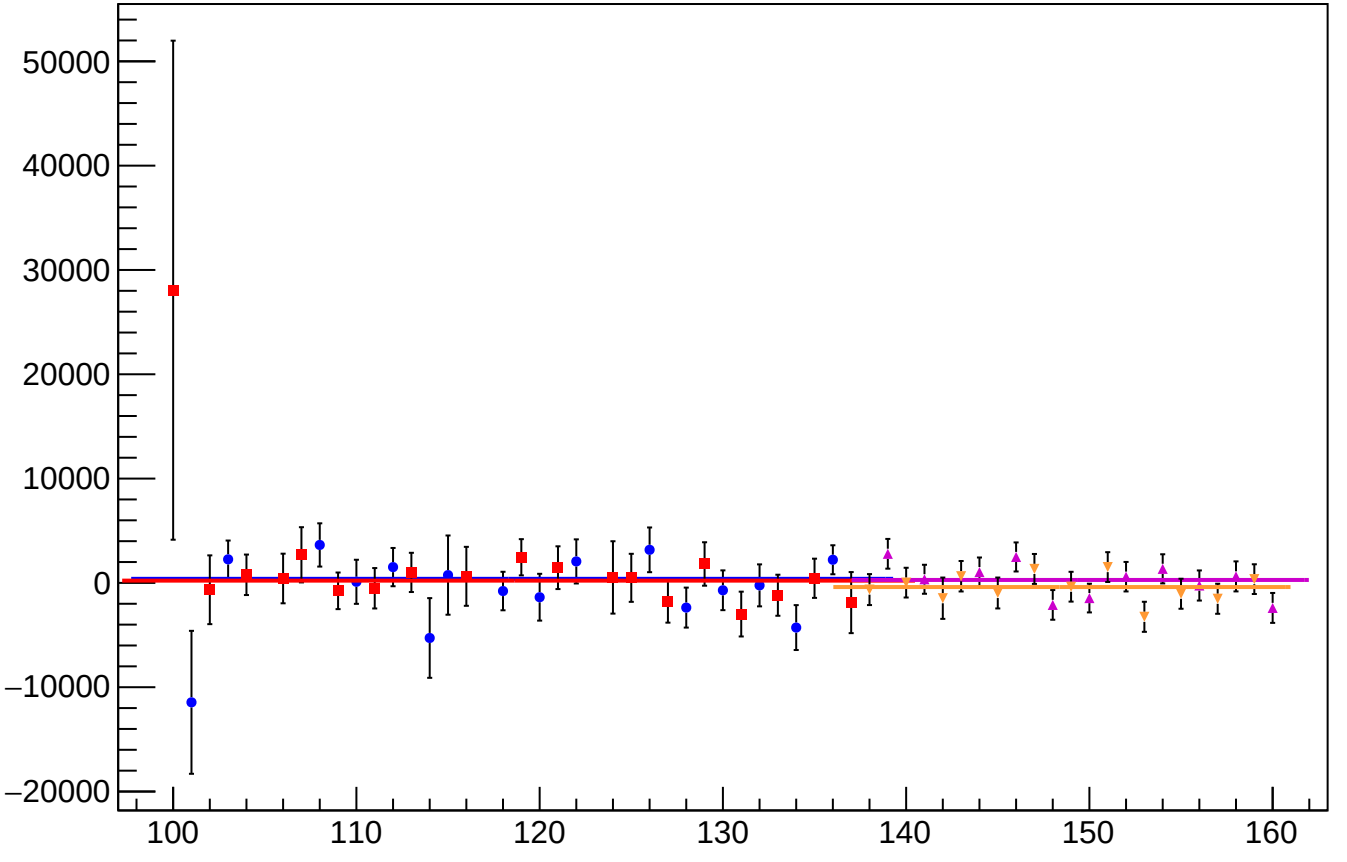
Left In: 619.004+/-0.144 χ^2/NDF:637245.2/10

+ sign 650.707+/-0.119 χ^2/NDF: 3089878.0/27

All: 671.862+/-0.086 χ^2/NDF: 5773288.2/57

- 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: -397.930+/-425.264 χ^2/NDF:9.3/11

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

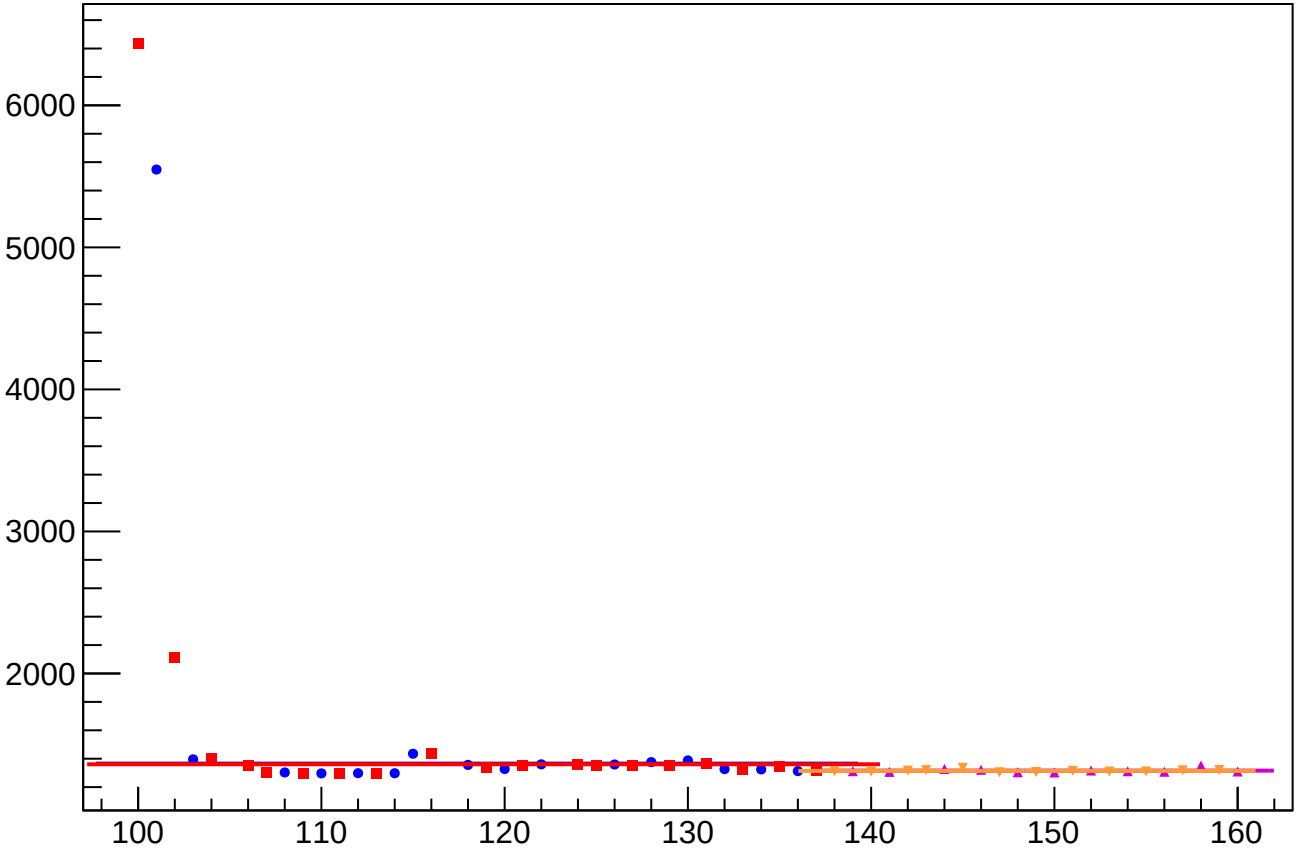
Left In: 282.478+/-425.707 χ^2/NDF:14.6/10

+ sign -83.010+/-329.489 χ^2/NDF: 32.1/27

All: 88.135+/-231.836 χ^2/NDF: 57.2/57

- 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+/-0.301 χ^2/NDF:718.0/11

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

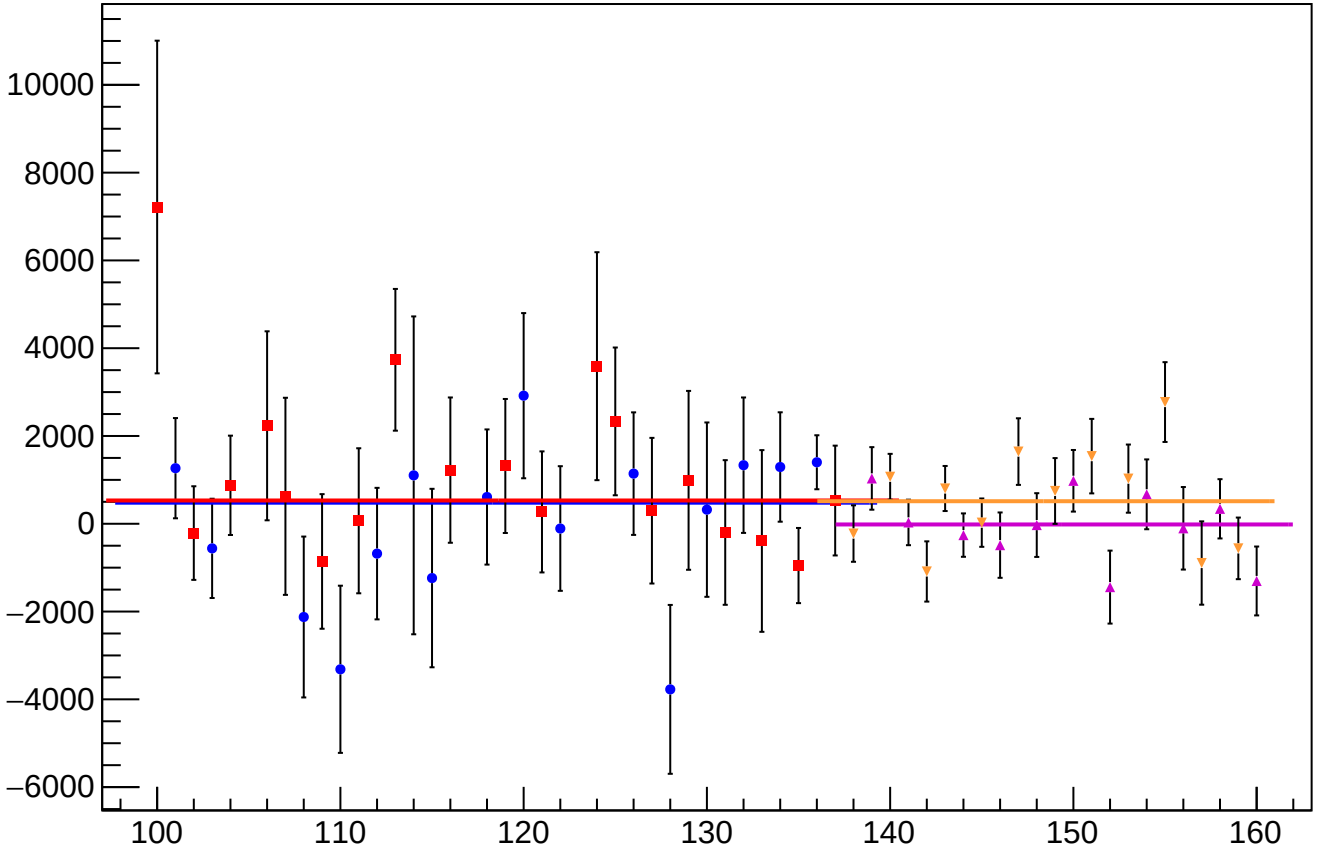
Left In: 1316.180+/-0.301 χ^2/NDF:1946.8/10

+ sign 1334.605+/-0.233 χ^2/NDF: 771222.0/27

All: 1334.591+/-0.164 χ^2/NDF: 987538.0/57

- 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: 513.875+/-195.301 χ^2/NDF:23.9/11

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

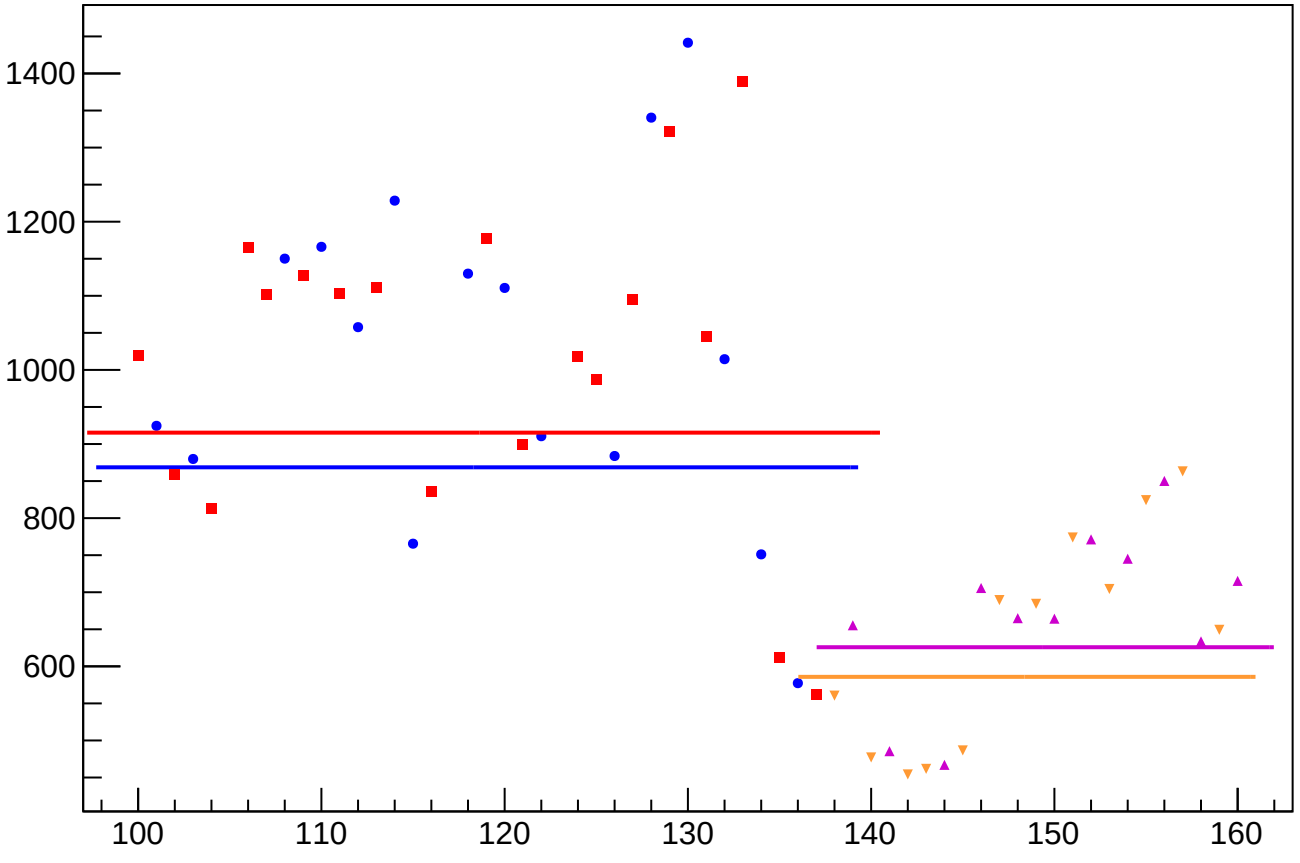
Left In: -15.813+/-206.339 χ^2/NDF:11.5/10

+ sign 505.441+/-168.916 χ^2/NDF: 42.6/27

All: 325.523+/-122.276 χ^2/NDF: 73.9/57

- 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: 585.831+/-0.138 χ^2/NDF:886858.5/11

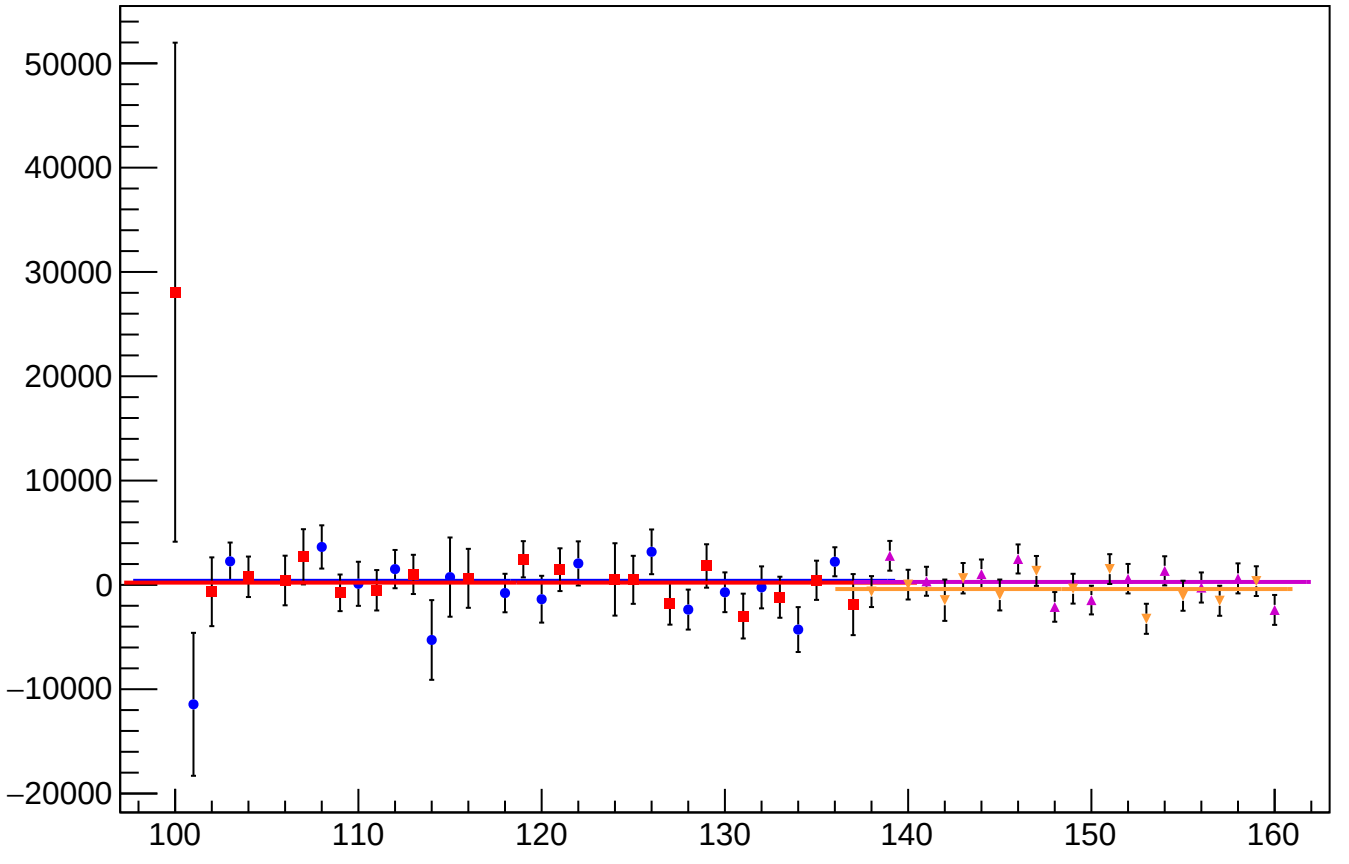
Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 625.815+/-0.146 χ^2/NDF:637394.7/10

+ sign 657.068+/-0.119 χ^2/NDF: 2964320.2/27

All: 678.331+/-0.086 χ^2/NDF: 5559900.7/57

- sign 701.740+/-0.125 χ^2/NDF: 2528997.8/29



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -397.932+/-425.264 χ^2/NDF:9.3/11

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

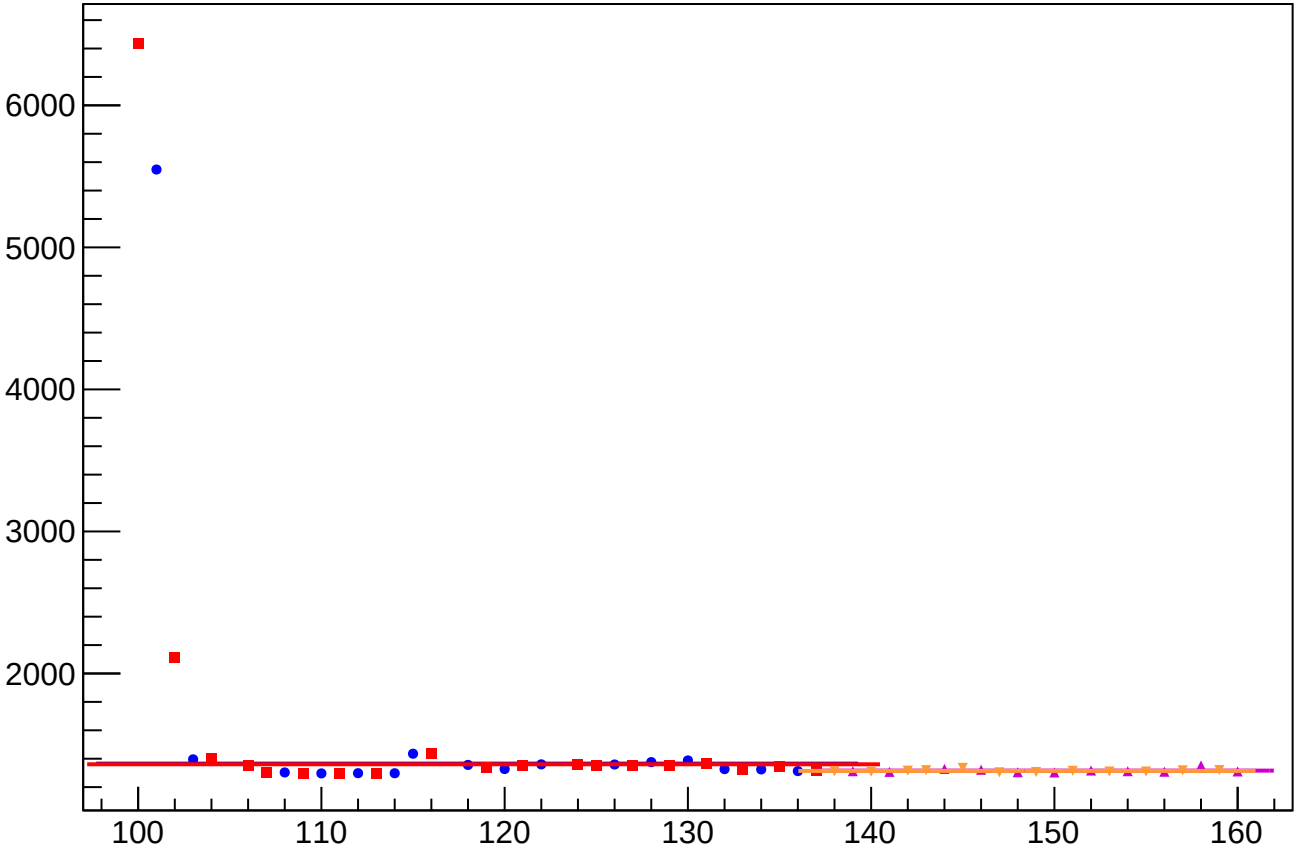
Left In: 282.477+/-425.707 χ^2/NDF:14.6/10

+ sign -83.011+/-329.489 χ^2/NDF: 32.1/27

All: 88.134+/-231.836 χ^2/NDF: 57.2/57

- 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+/-0.301 χ^2/NDF:718.0/11

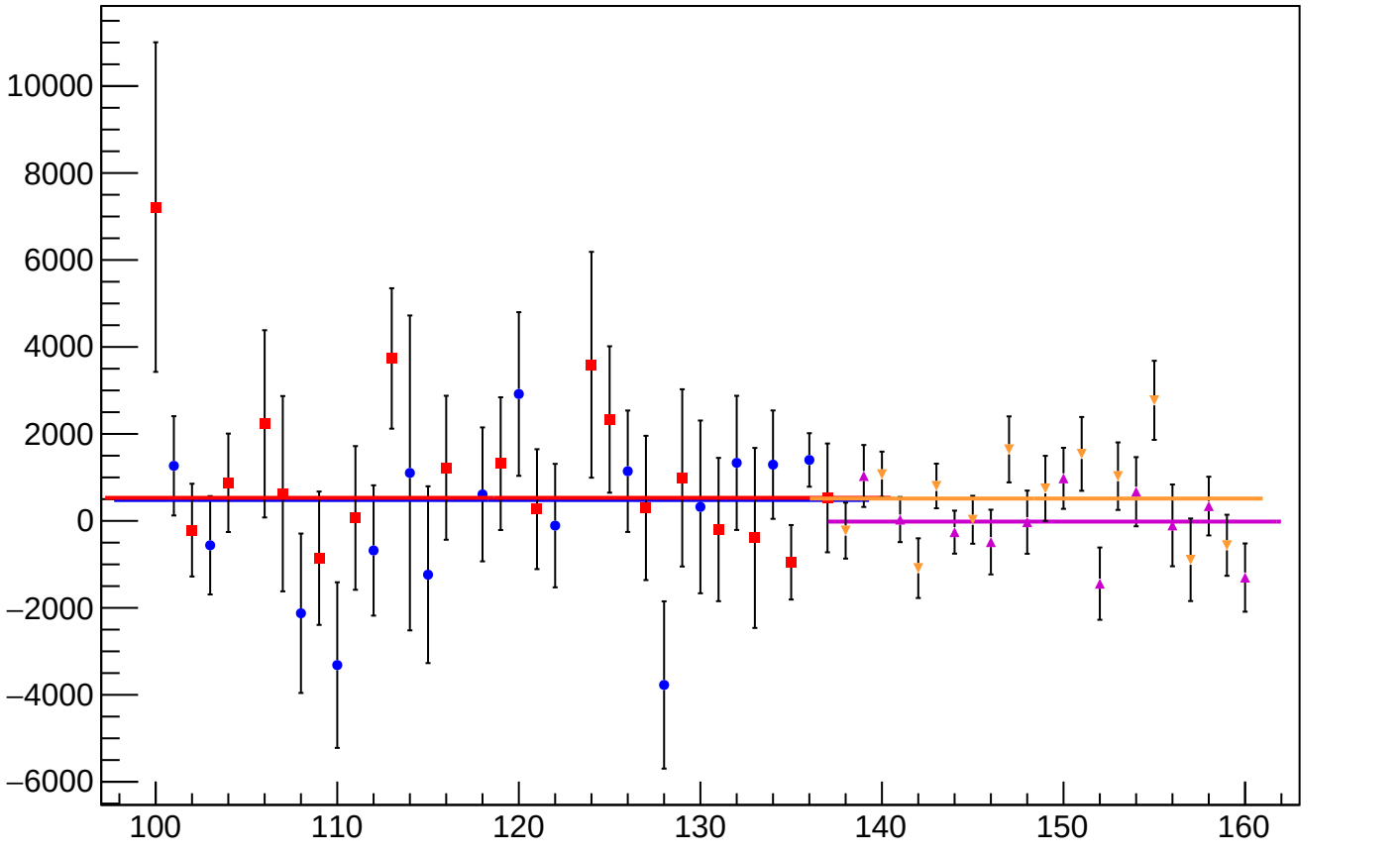
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1316.180+/-0.301 χ^2/NDF:1946.8/10

+ sign 1334.604+/-0.233 χ^2/NDF: 771221.9/27

All: 1334.591+/-0.164 χ^2/NDF: 987538.0/57

- sign 1334.579+/-0.231 χ^2/NDF: 216316.0/29



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 513.875+/-195.301 χ^2/NDF:23.9/11

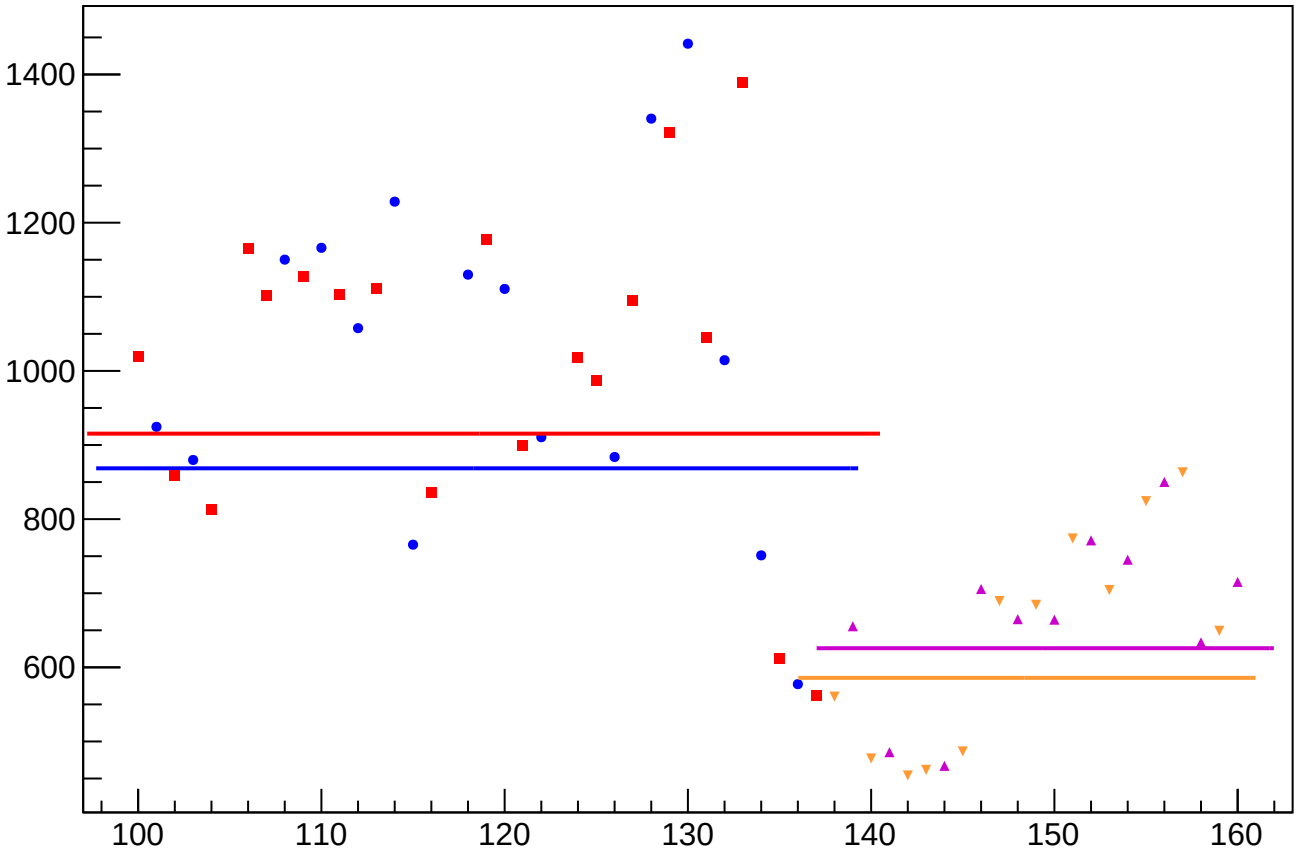
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: -15.813+/-206.339 χ^2/NDF:11.5/10

+ sign 505.441+/-168.916 χ^2/NDF: 42.6/27

All: 325.524+/-122.276 χ^2/NDF: 73.9/57

- sign 127.452+/-177.233 χ^2/NDF: 29.0/29



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 585.831+/-0.138 χ^2/NDF:886871.7/11

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

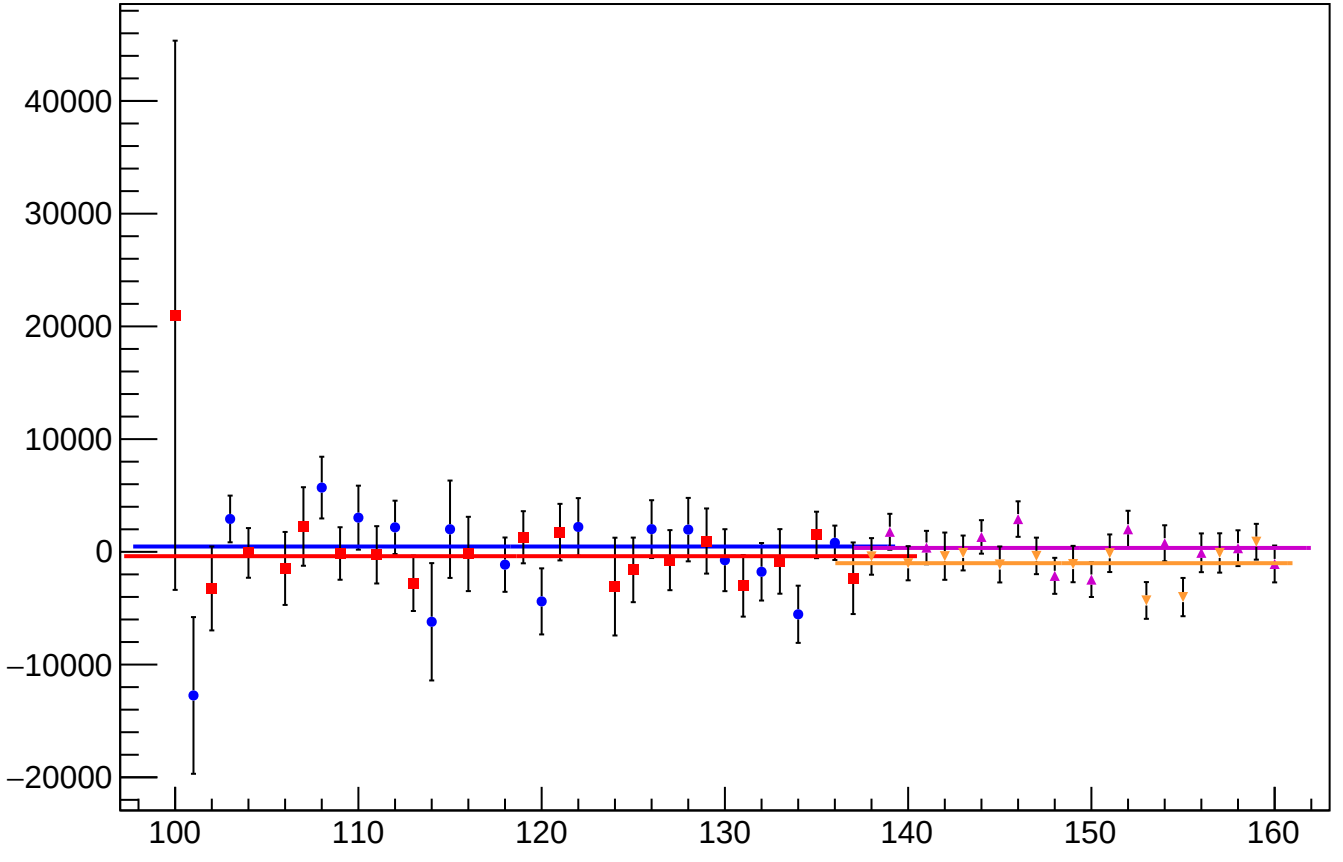
Left In: 625.816+/-0.146 χ^2/NDF:637401.5/10

\+ sign 657.068+/-0.119 χ^2/NDF: 2964318.0/27

All: 678.332+/-0.086 χ^2/NDF: 5559889.7/57

\- 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: -1005.165+/-475.353 χ^2/NDF:10.0/11

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

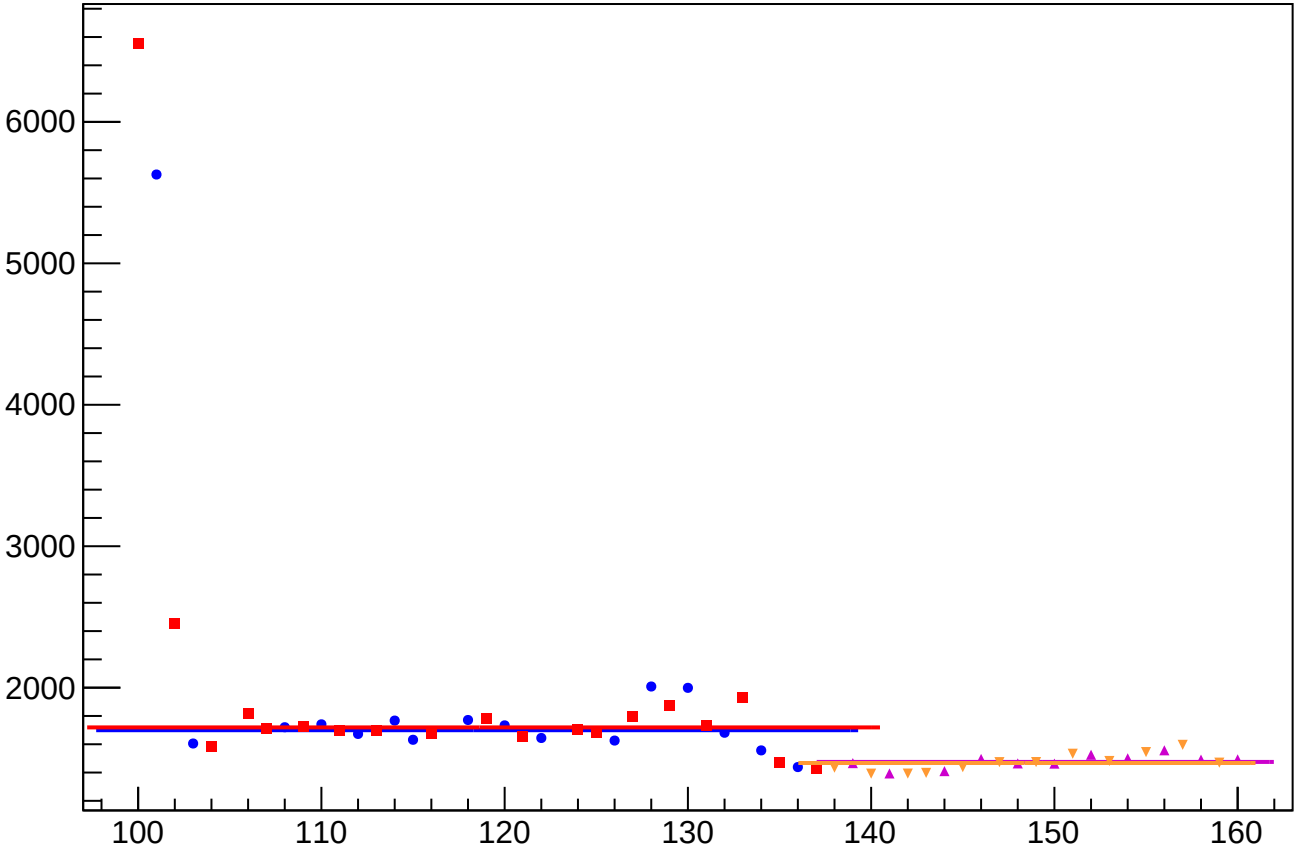
Left In: 346.965+/-477.341 χ^2/NDF:11.5/10

\+ sign -489.133+/-383.541 χ^2/NDF: 36.0/27

All: -200.981+/-271.034 χ^2/NDF: 56.8/57

\- 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: 1467.562+/-0.336 χ^2/NDF:31313.5/11

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

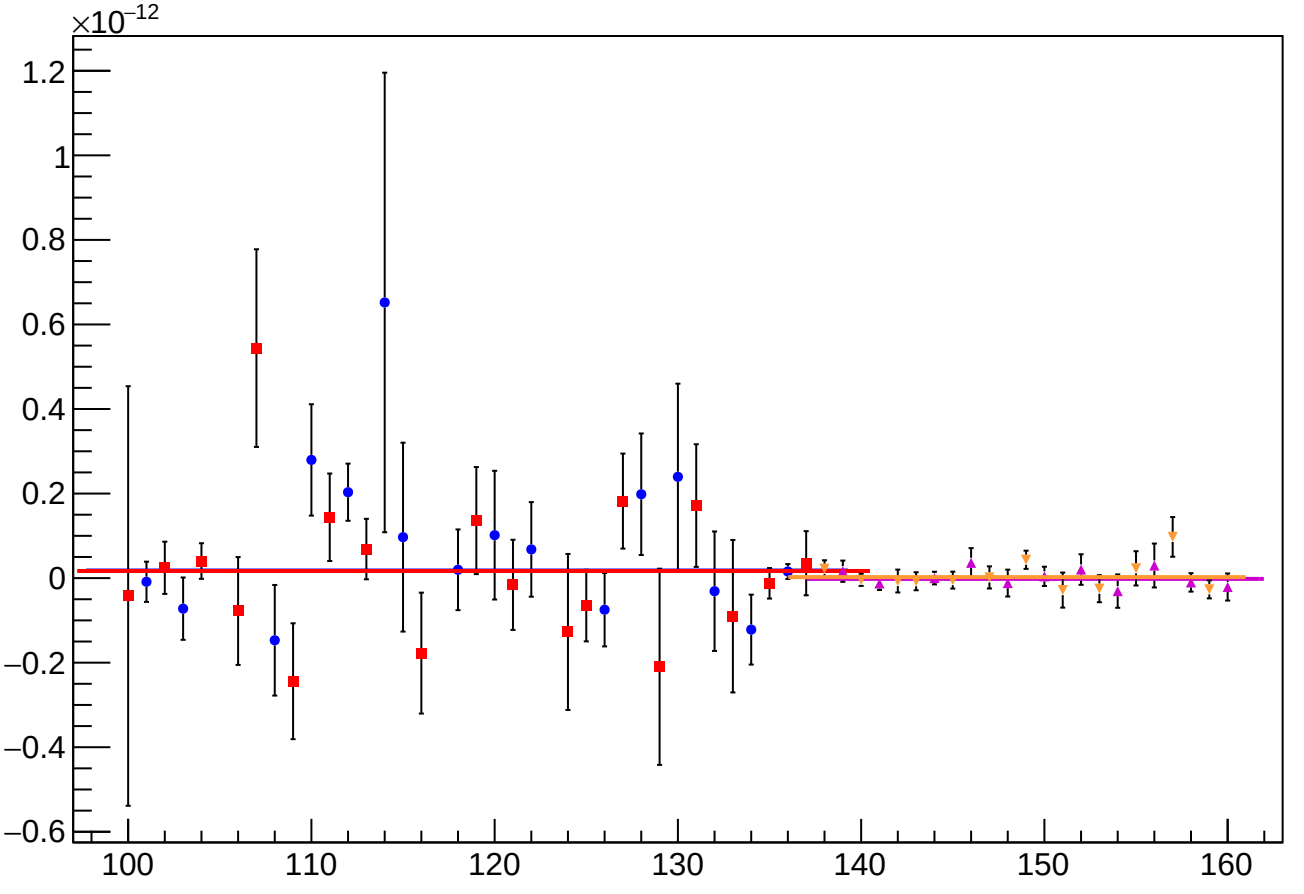
Left In: 1475.061+/-0.338 χ^2/NDF:17961.7/10

+ sign 1548.446+/-0.271 χ^2/NDF: 959335.6/27

All: 1555.203+/-0.192 χ^2/NDF: 1398400.2/57

- sign 1561.944+/-0.271 χ^2/NDF: 437824.5/29

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/11

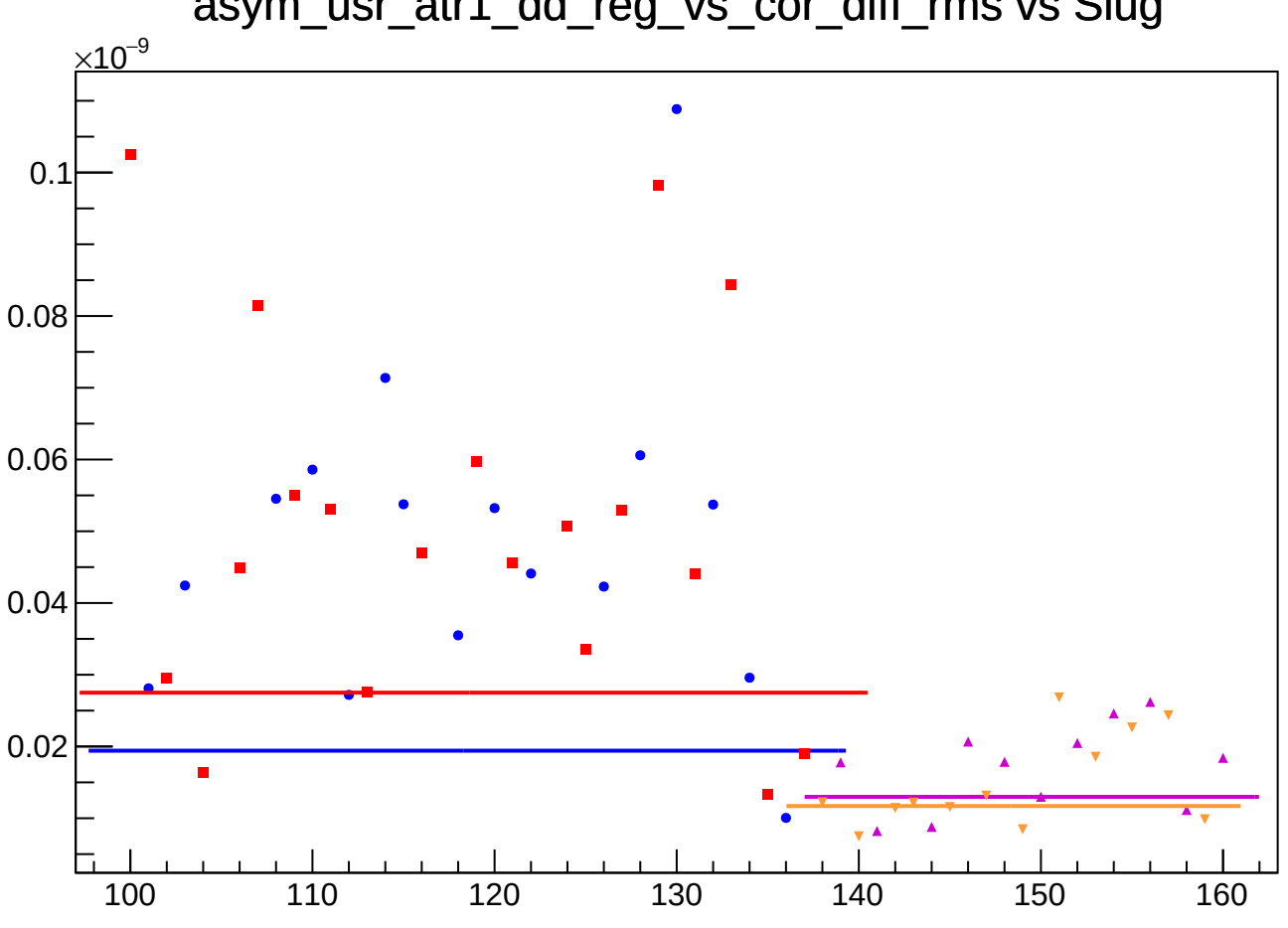
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/27

All: 0.000+/-0.000 χ^2/NDF: 63.9/57

- 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:892317.6/11

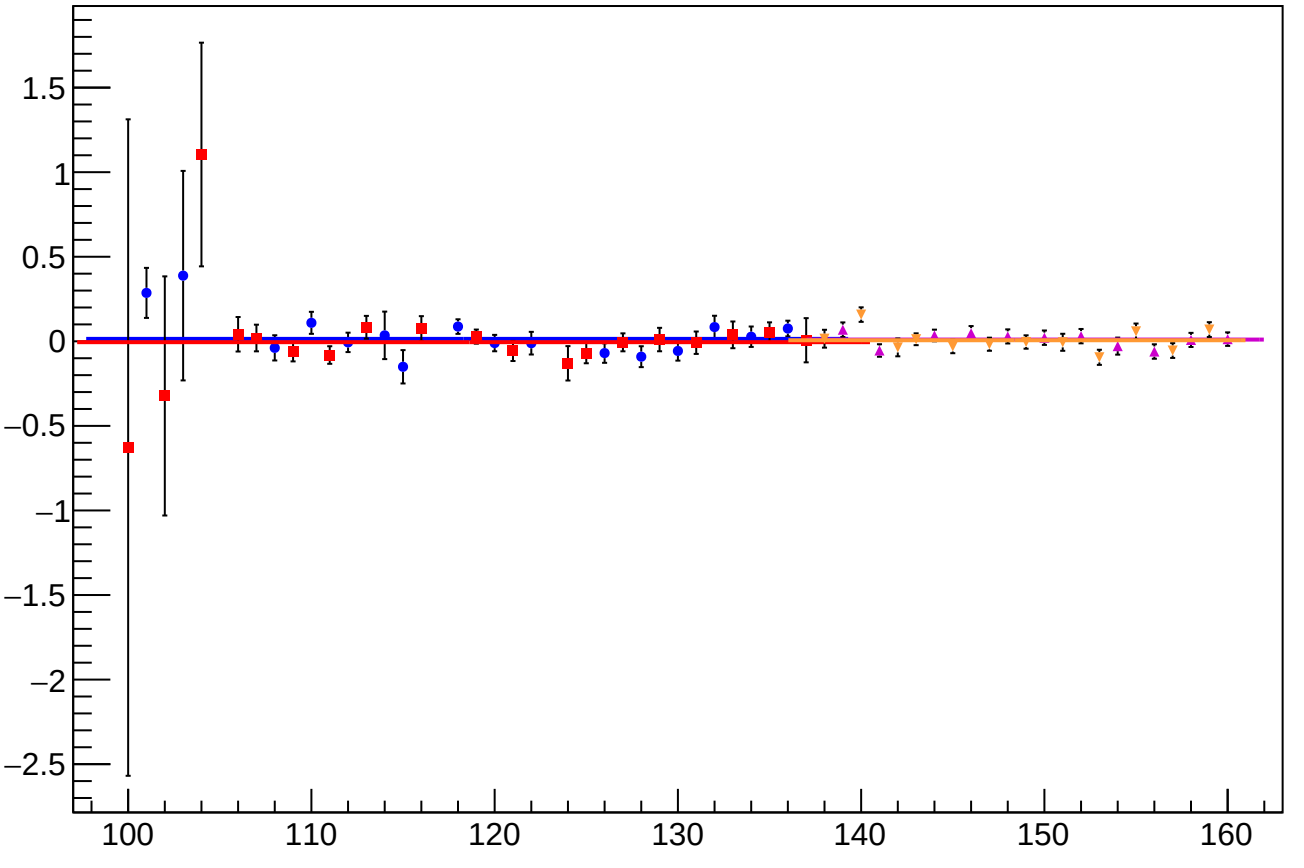
Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1024823.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 3638276.8/27

All: 0.000+/-0.000 χ^2/NDF: 7392710.8/57

- sign 0.000+/-0.000 χ^2/NDF: 3683534.2/29



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.012 χ^2/NDF:24.9/11

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

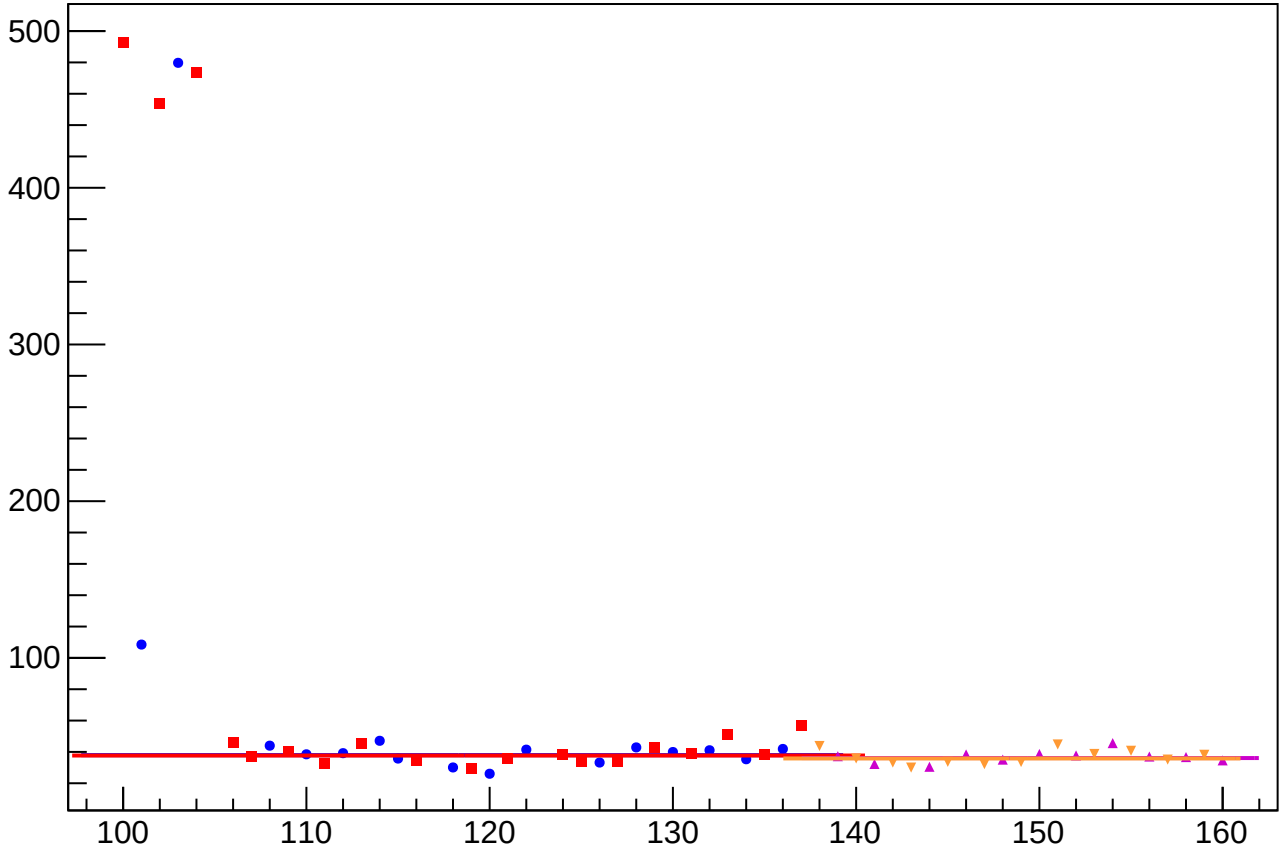
Left In: 0.010+/-0.012 χ^2/NDF:10.0/10

+ sign 0.009+/-0.010 χ^2/NDF: 47.1/27

All: 0.007+/-0.007 χ^2/NDF: 72.6/57

- 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: 35.833+/-0.009 χ^2/NDF:235617.8/11

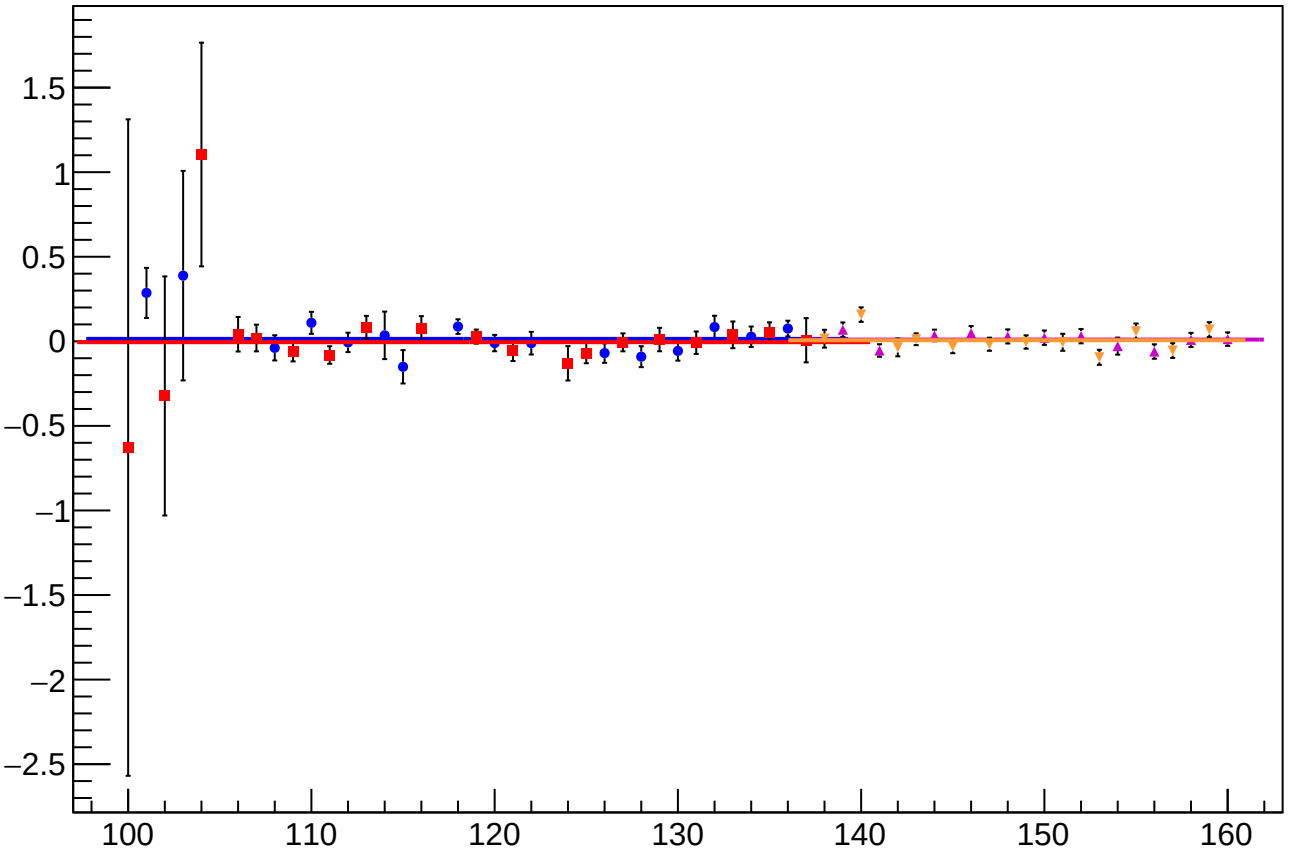
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.083+/-0.009 χ^2/NDF:167225.3/10

+ sign 36.636+/-0.007 χ^2/NDF: 1997007.3/27

All: 36.661+/-0.005 χ^2/NDF: 4121776.1/57

- 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: 0.006+/-0.012 χ^2/NDF:24.9/11

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

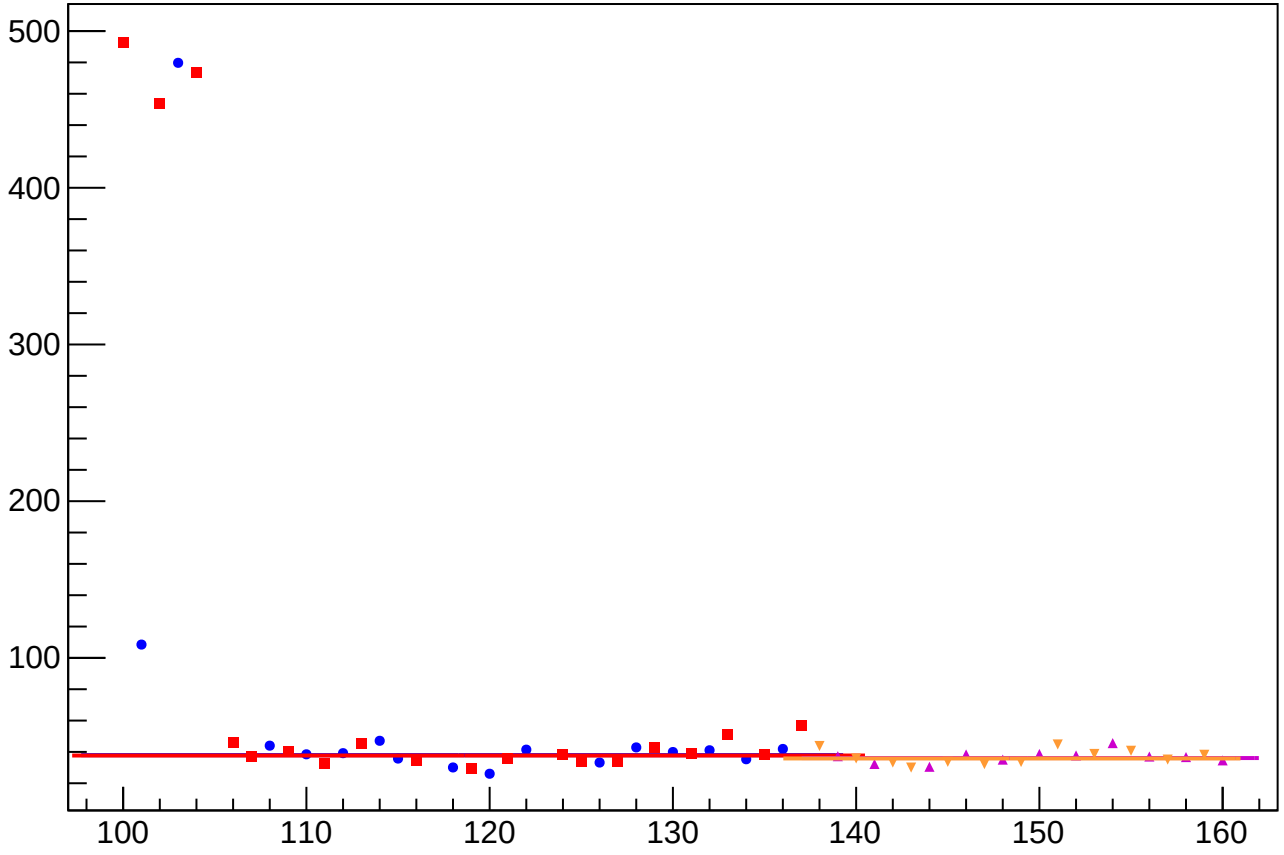
Left In: 0.010+/-0.012 χ^2/NDF:10.0/10

+ sign 0.009+/-0.010 χ^2/NDF: 47.1/27

All: 0.007+/-0.007 χ^2/NDF: 72.6/57

- 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: 35.833+/-0.009 χ^2/NDF:235617.8/11

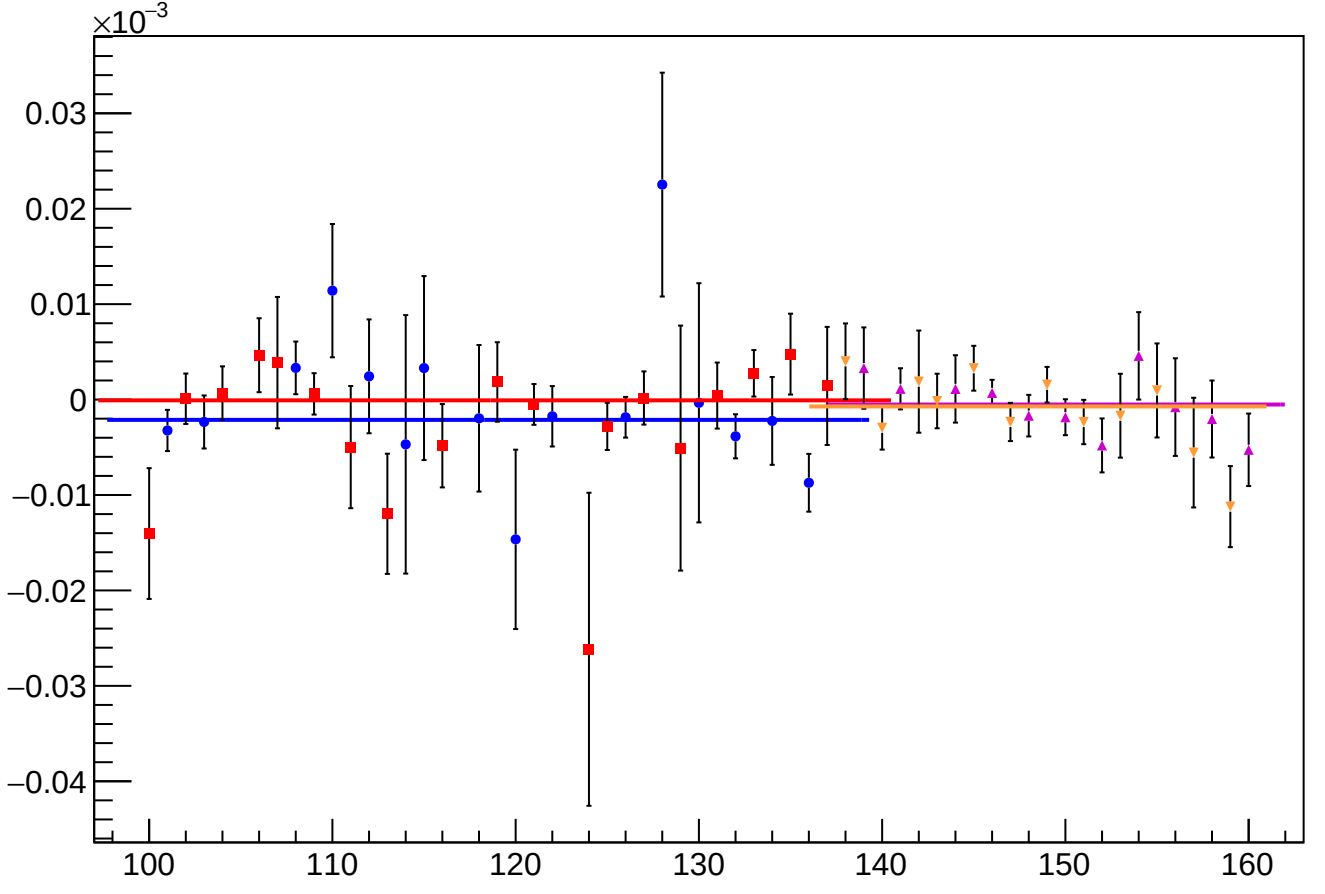
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.083+/-0.009 χ^2/NDF:167225.3/10

\+ sign 36.636+/-0.007 χ^2/NDF: 1997007.3/27

All: 36.661+/-0.005 χ^2/NDF: 4121776.1/57

\- 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:15.2/11

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

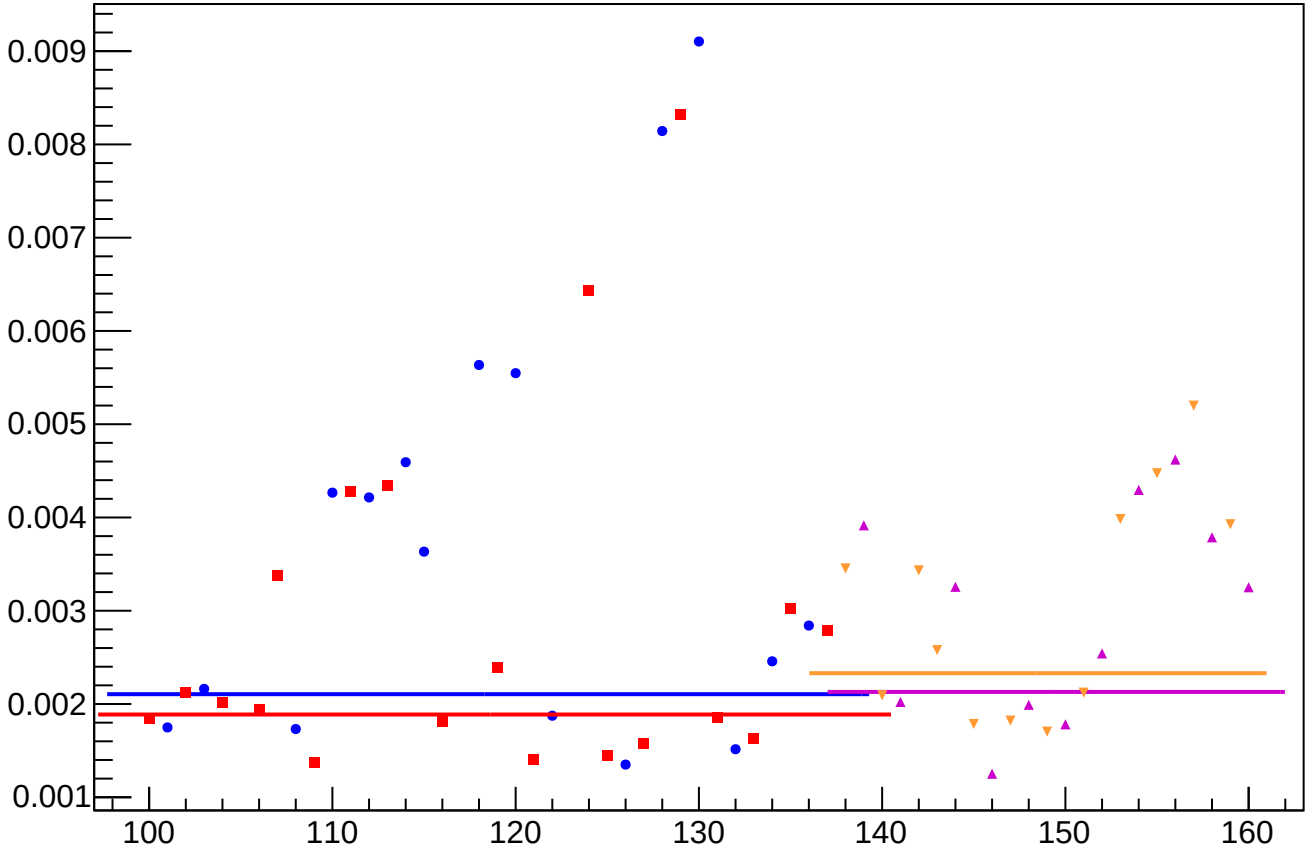
Left In: -0.000+/-0.000 χ^2/NDF:8.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 36.9/27

All: -0.000+/-0.000 χ^2/NDF: 65.6/57

- sign -0.000+/-0.000 χ^2/NDF: 27.0/29

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2201819.9/11

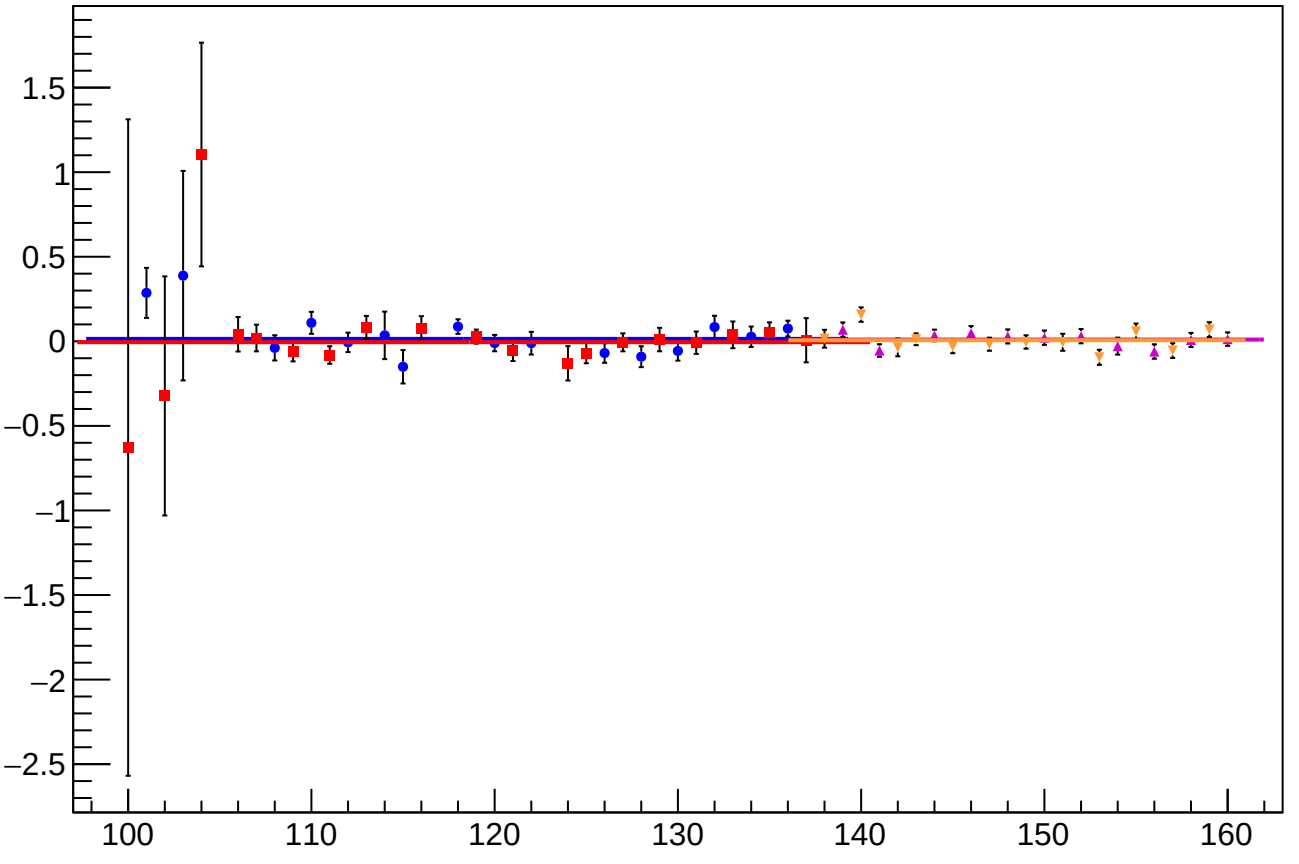
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:2933293.5/10

+ sign 0.002+/-0.000 χ^2/NDF: 5288210.1/27

All: 0.002+/-0.000 χ^2/NDF: 10350521.5/57

- sign 0.002+/-0.000 χ^2/NDF: 4922800.6/29



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.012 χ^2/NDF:24.9/11

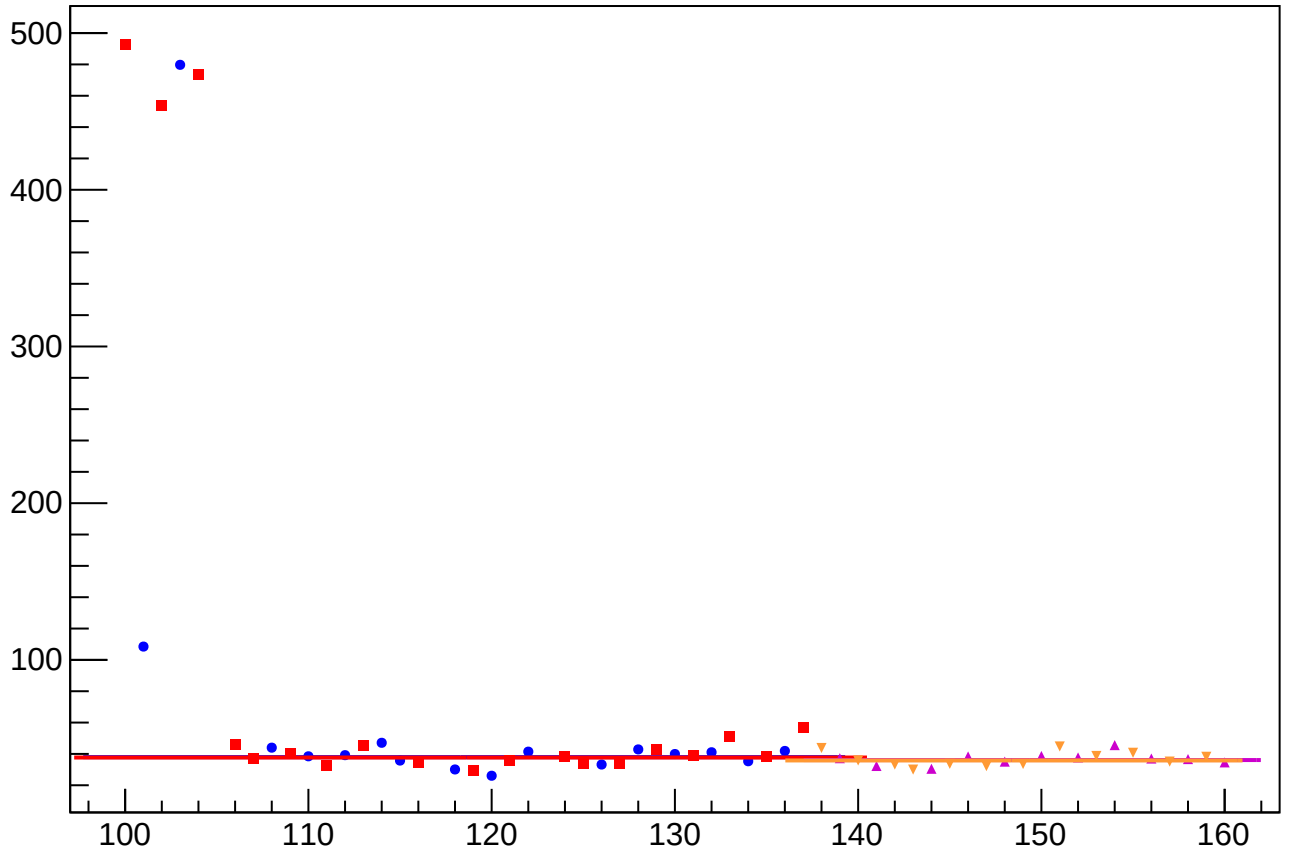
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.010+/-0.012 χ^2/NDF:10.0/10

+ sign 0.009+/-0.010 χ^2/NDF: 47.1/27

All: 0.007+/-0.007 χ^2/NDF: 72.6/57

- 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: 35.833+/-0.009 χ^2/NDF:235669.9/11

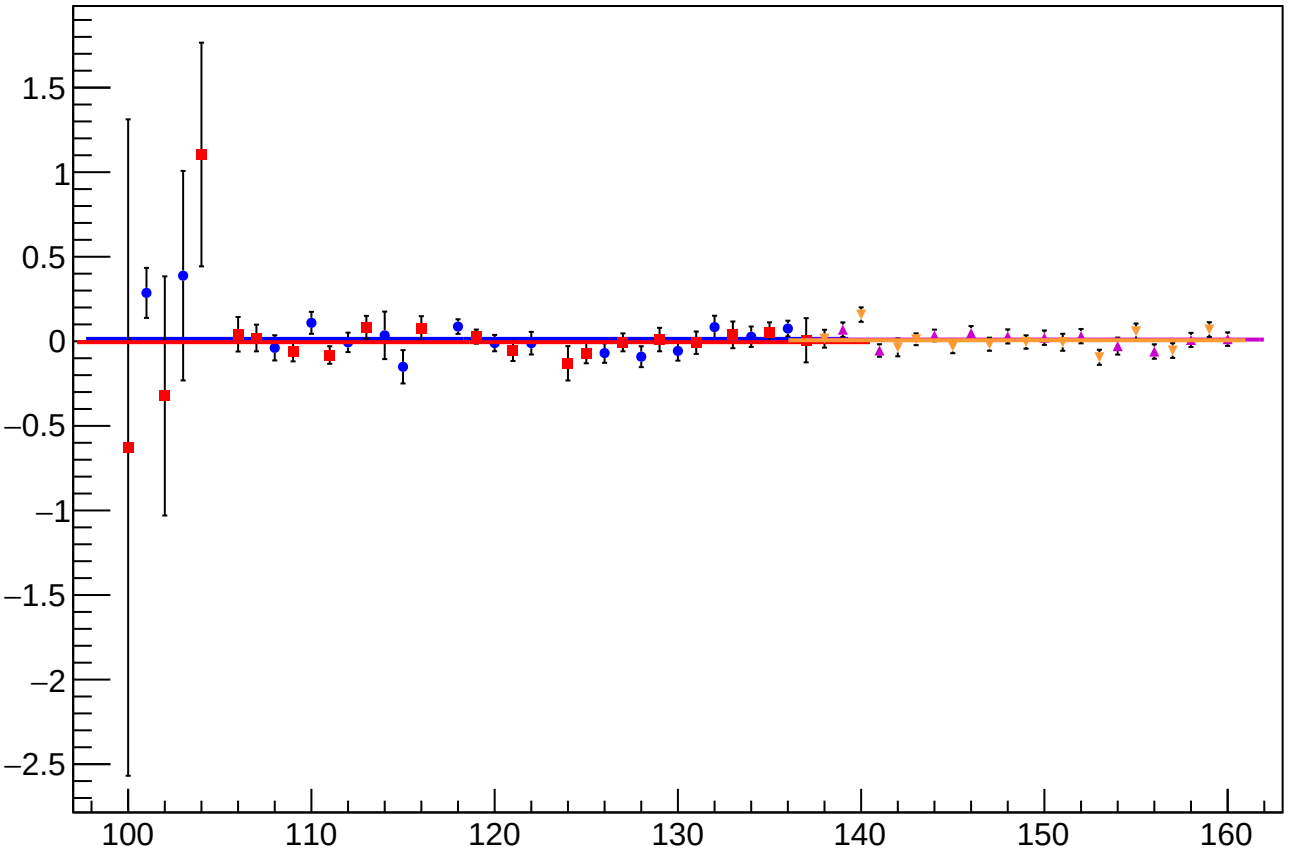
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.082+/-0.009 χ^2/NDF:167268.8/10

\+ sign 36.635+/-0.007 χ^2/NDF: 1997062.6/27

All: 36.661+/-0.005 χ^2/NDF: 4121938.5/57

\- 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: 0.006+/-0.012 χ^2/NDF:24.9/11

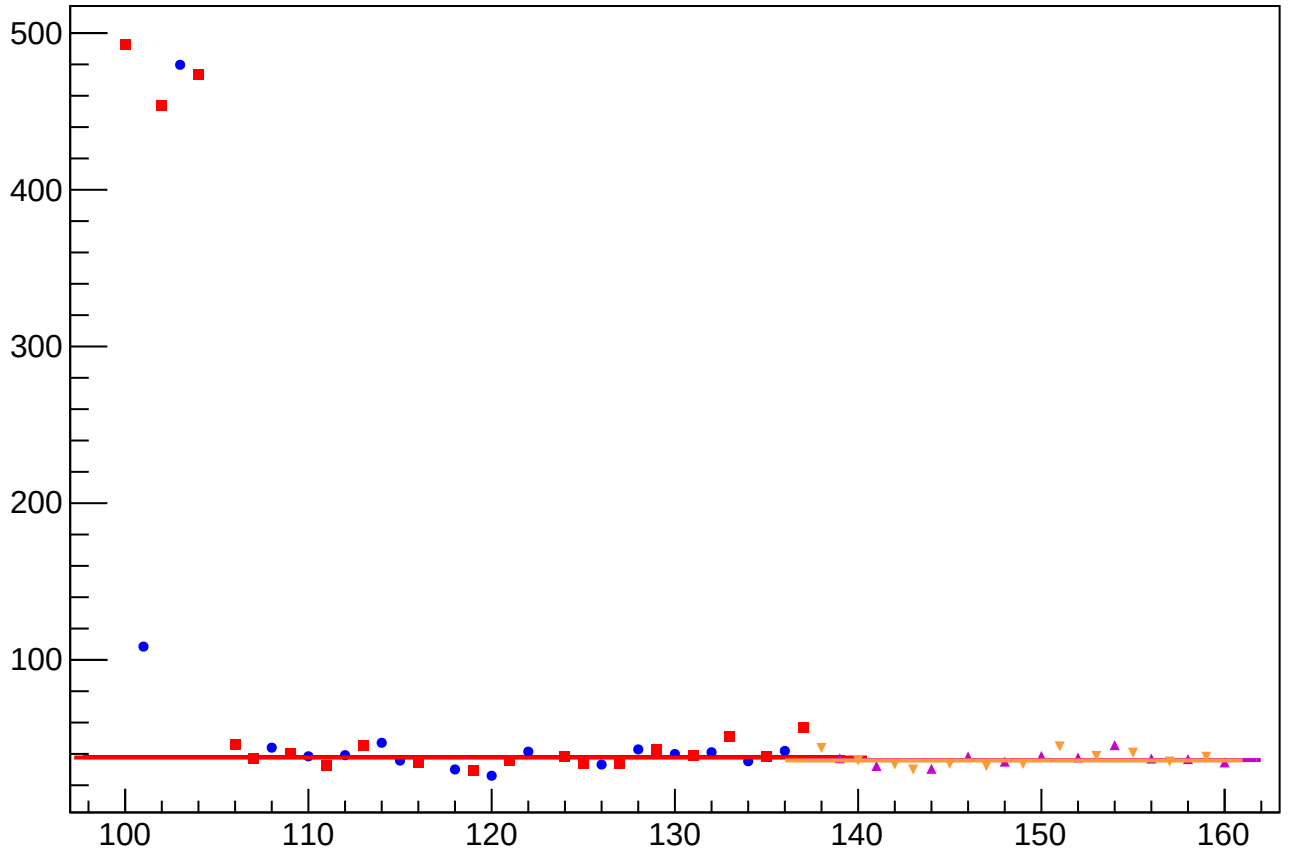
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.010+/-0.012 χ^2/NDF:10.0/10

+ sign 0.009+/-0.010 χ^2/NDF: 47.1/27

All: 0.007+/-0.007 χ^2/NDF: 72.6/57

- 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: 35.833+/-0.009 χ^2/NDF:235669.9/11

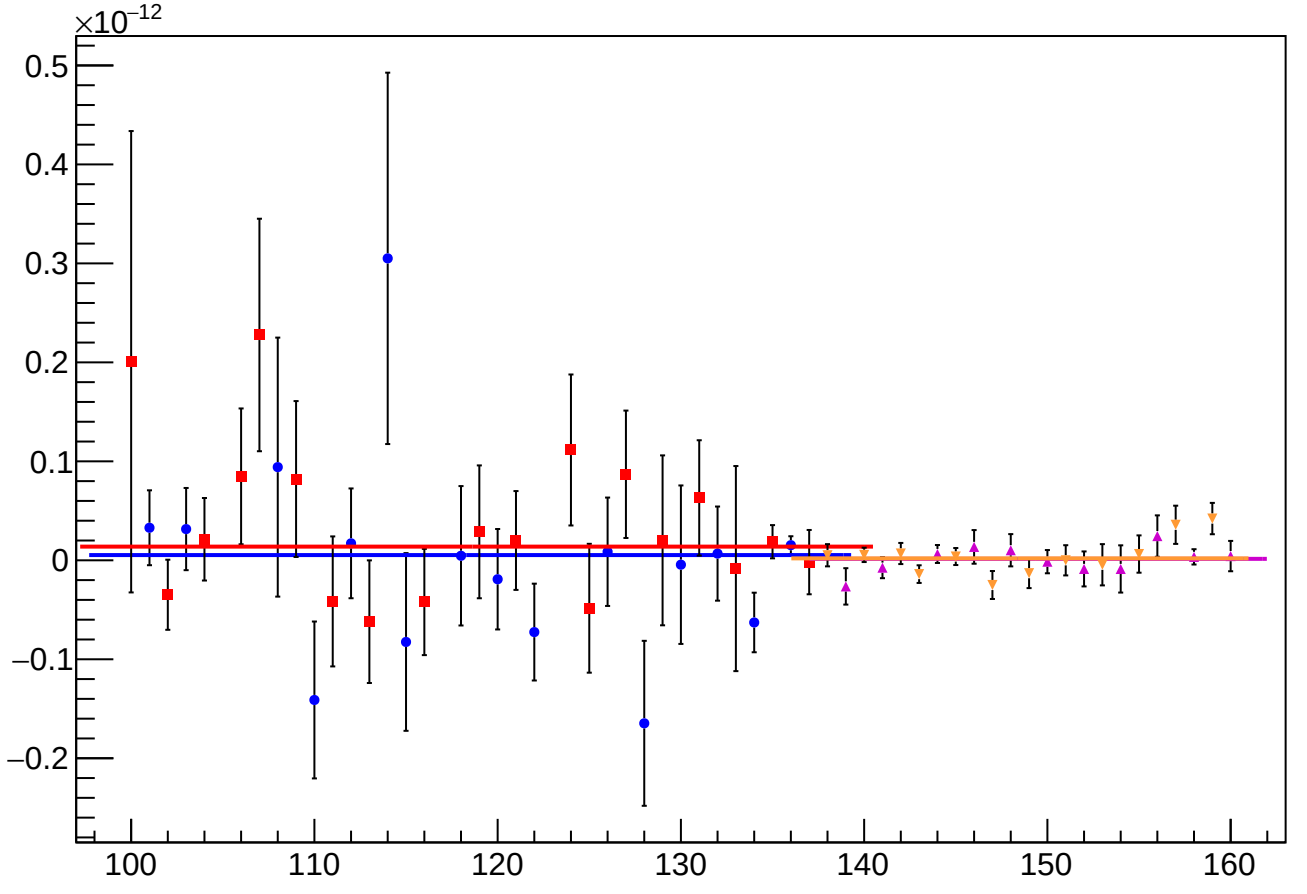
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.082+/-0.009 χ^2/NDF:167268.8/10

\+ sign 36.635+/-0.007 χ^2/NDF: 1997062.6/27

All: 36.661+/-0.005 χ^2/NDF: 4121938.5/57

\- 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:18.1/11

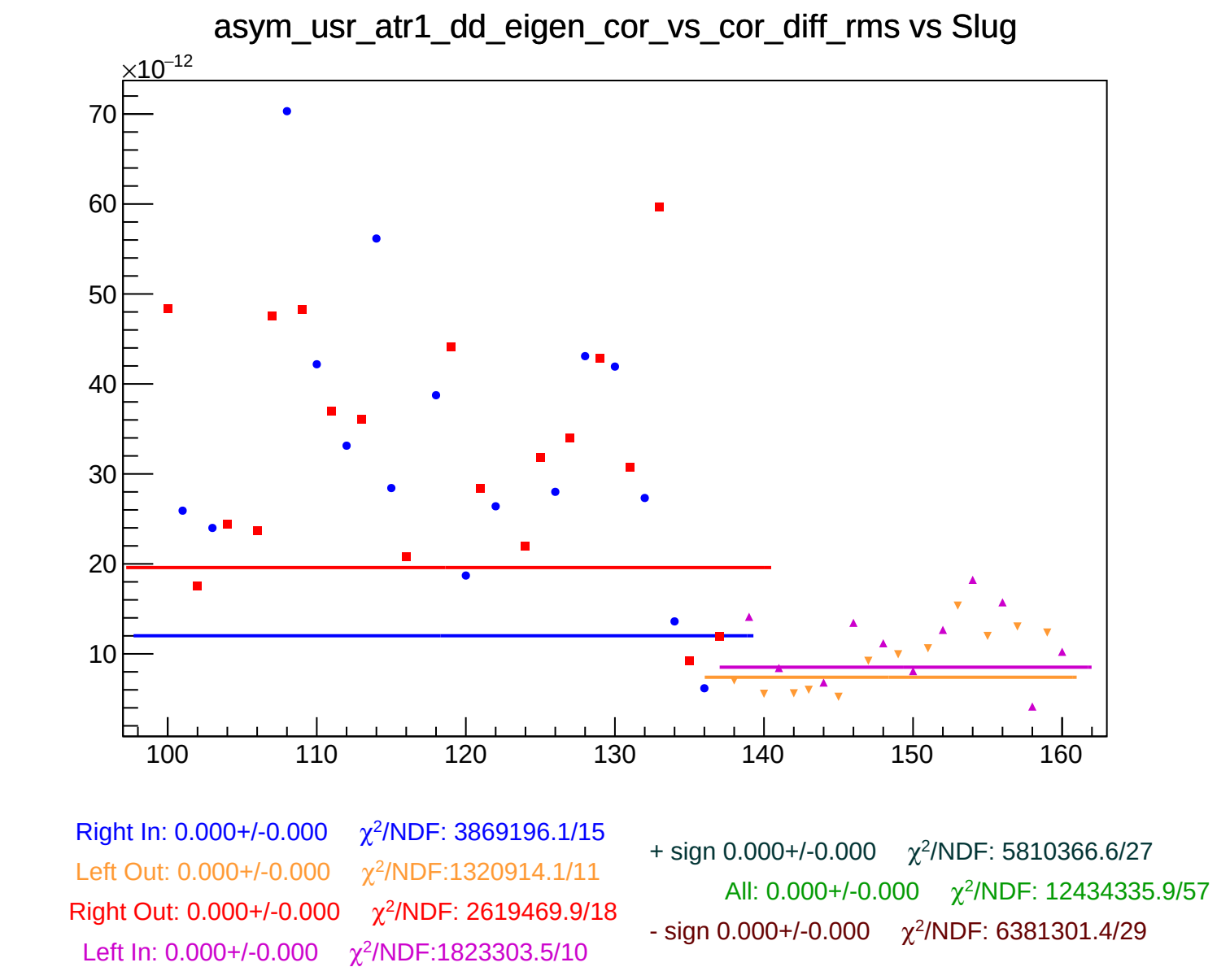
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/10

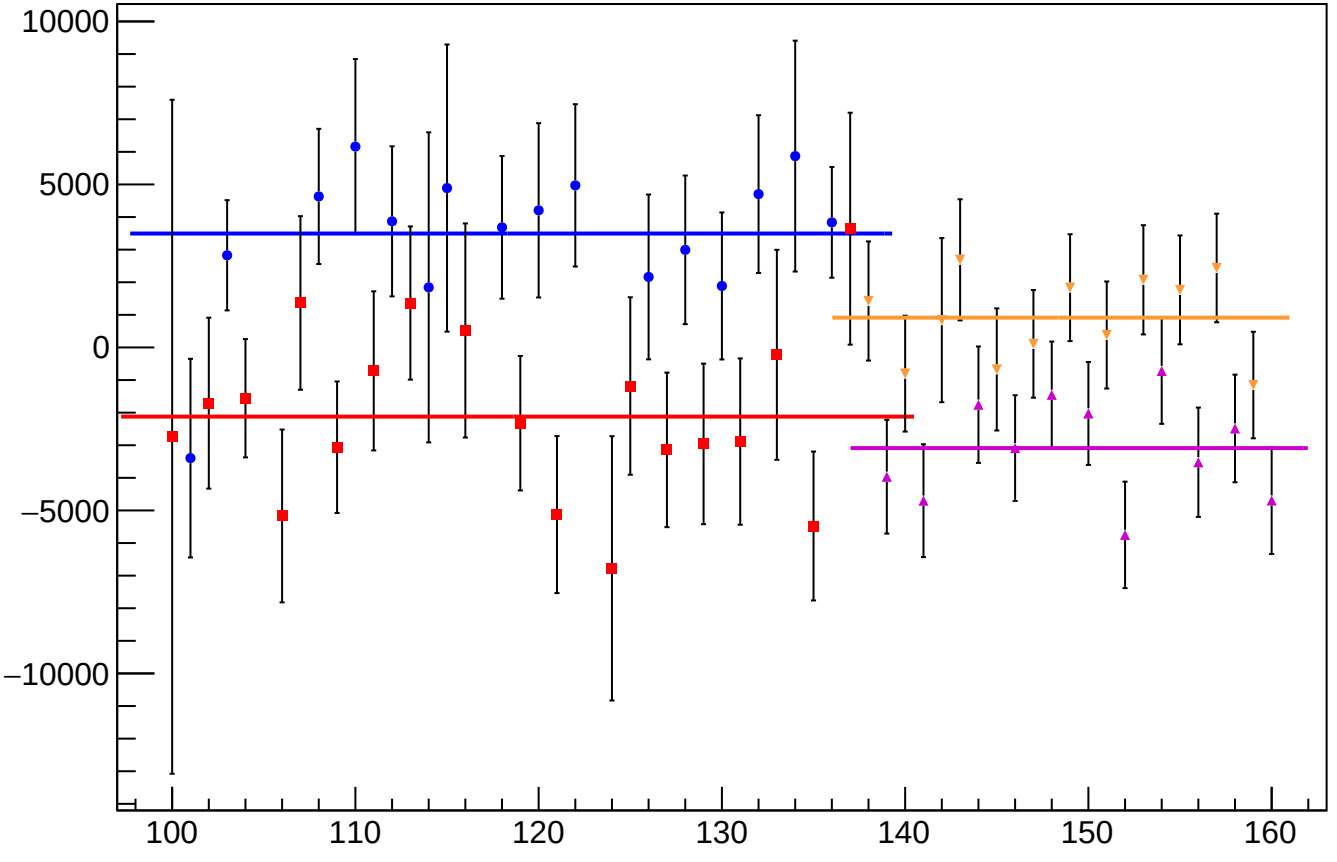
+ sign 0.000+/-0.000 χ^2/NDF: 39.9/27

All: 0.000+/-0.000 χ^2/NDF: 63.1/57

- 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:1320914.1/11
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: 5810366.6/27
All: 0.000+/-0.000 χ²/NDF: 12434335.9/57
- 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: 914.683+/-505.840 χ^2/NDF:6.5/11

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

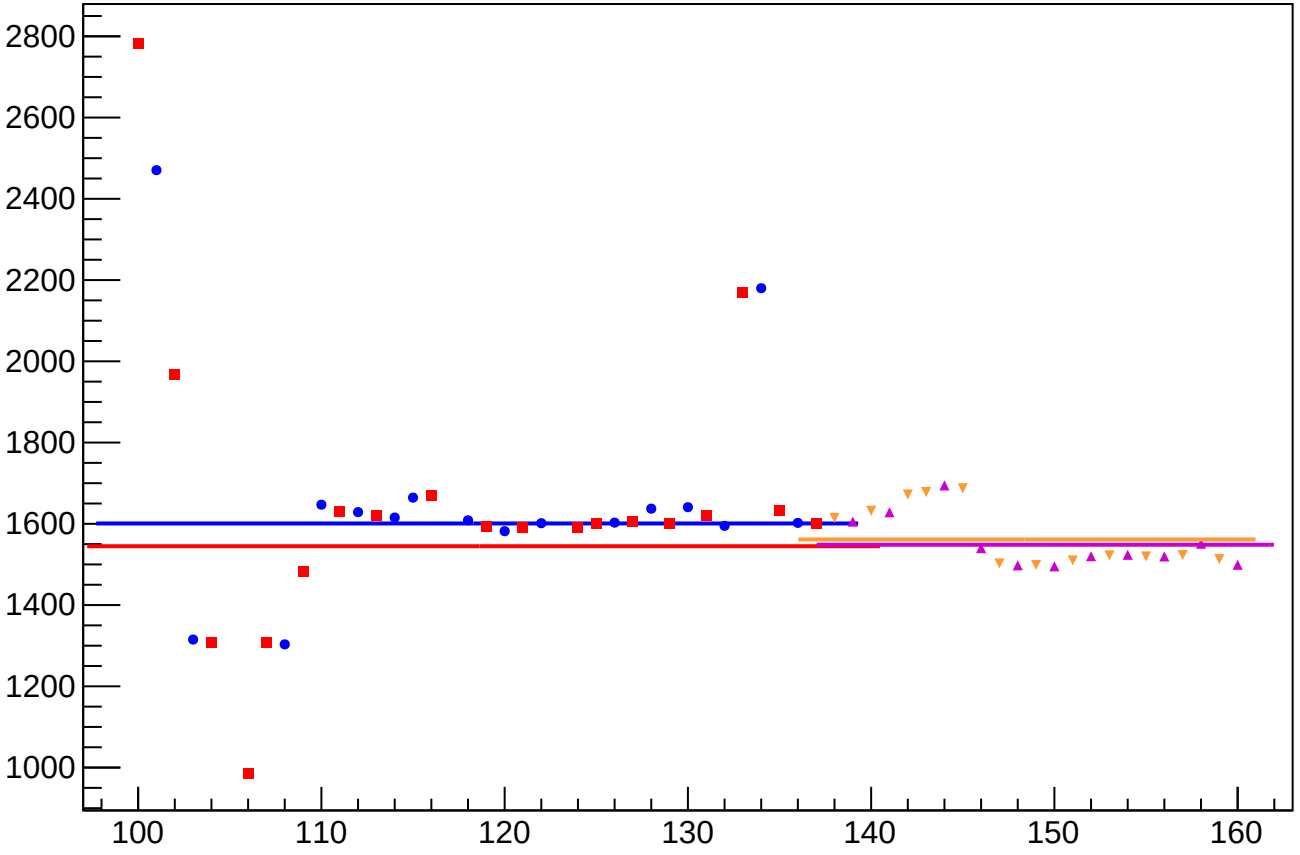
Left In: -3087.283+/-501.212 χ^2/NDF:9.1/10

+ sign 1983.986+/-387.056 χ^2/NDF: 26.1/27

All: -383.054+/-271.645 χ^2/NDF: 125.5/57

- 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: 1561.514+/-0.358 χ^2/NDF:38312.2/11

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

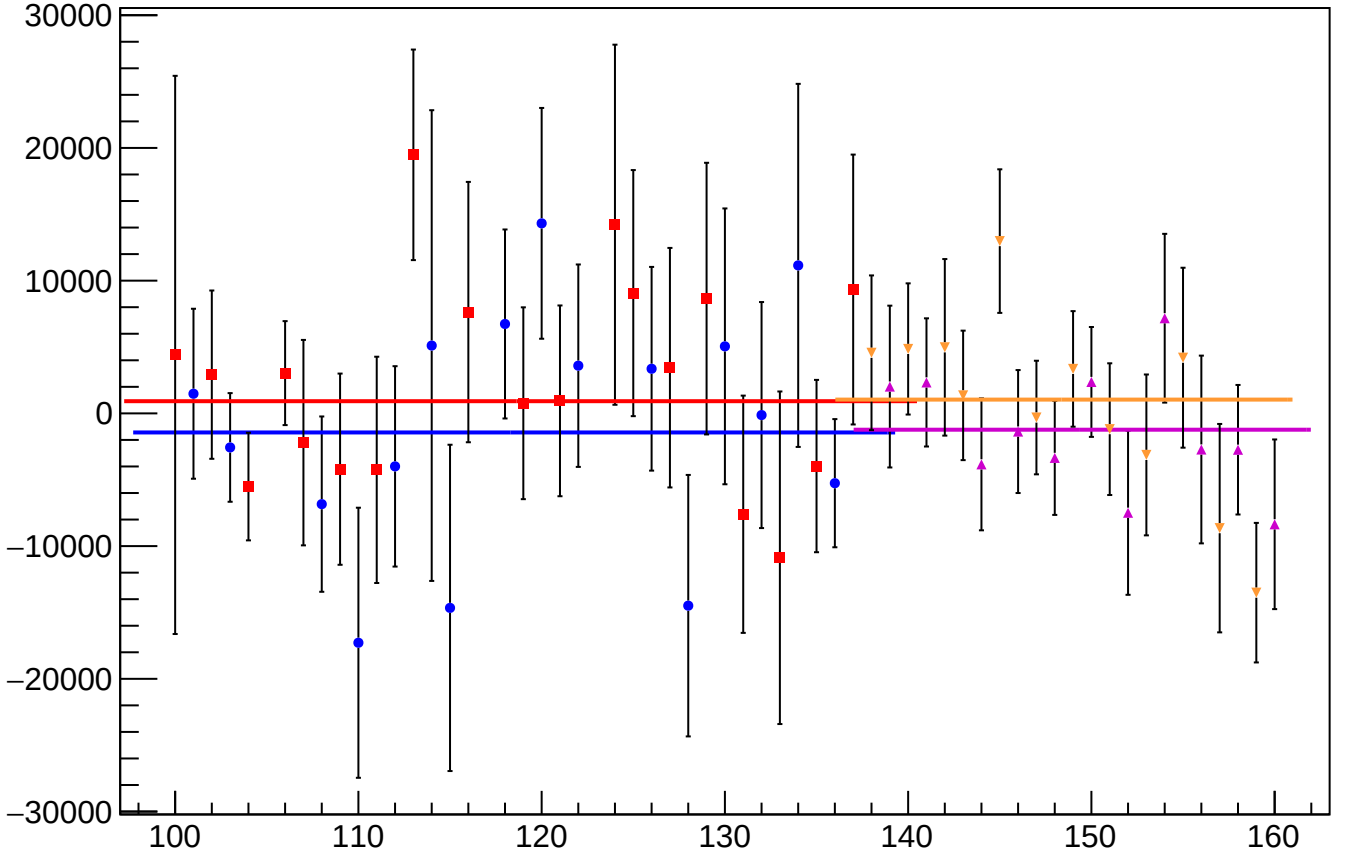
Left In: 1548.541+/-0.354 χ^2/NDF:27468.1/10

+ sign 1577.831+/-0.274 χ^2/NDF: 360747.1/27

All: 1562.044+/-0.191 χ^2/NDF: 770900.9/57

- 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: 1038.193+/-1545.691 χ^2/NDF:16.6/11

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

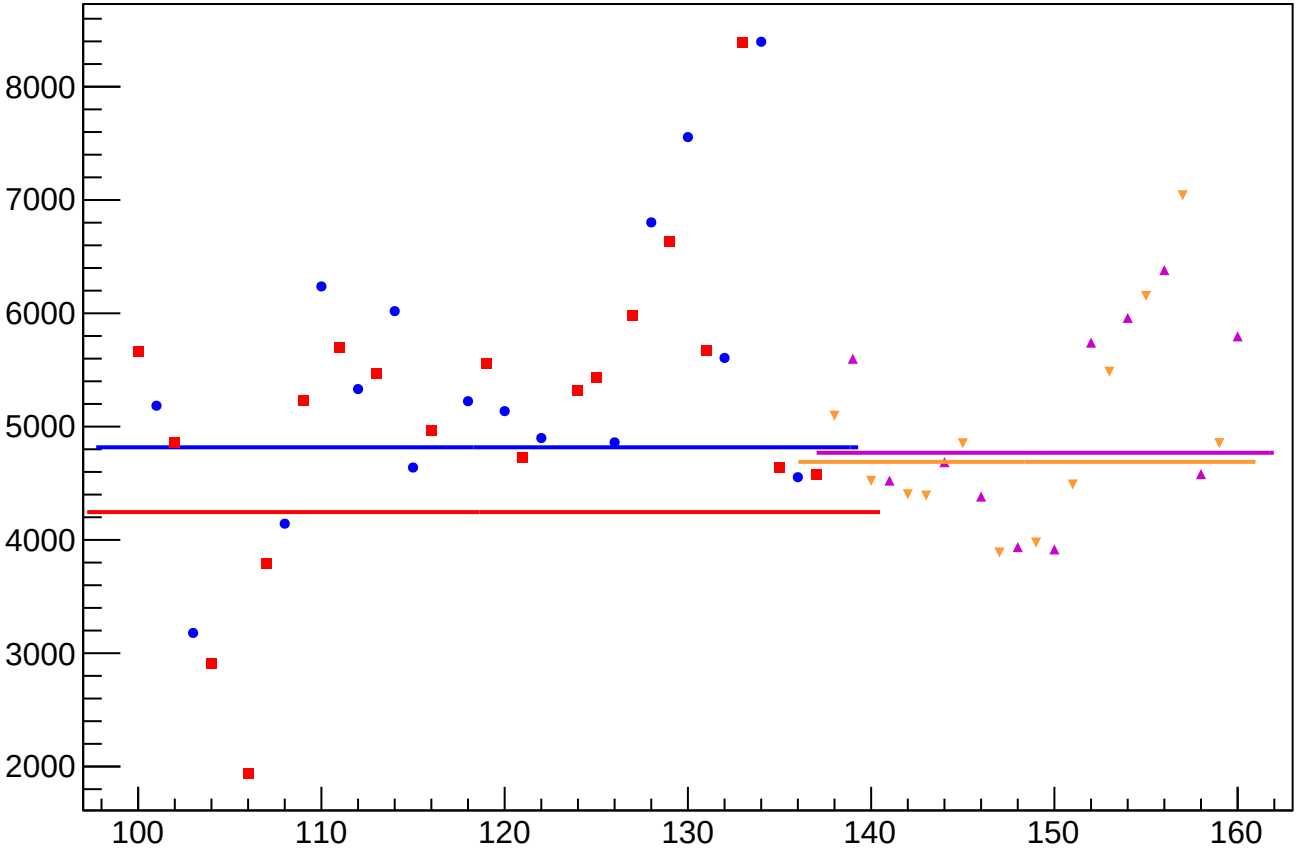
Left In: -1230.187+/-1567.974 χ^2/NDF:6.3/10

+ sign 19.488+/-1185.711 χ^2/NDF: 31.6/27

All: -106.229+/-822.856 χ^2/NDF: 54.1/57

- 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: 4688.916+/-1.093 χ^2/NDF:461135.4/11

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

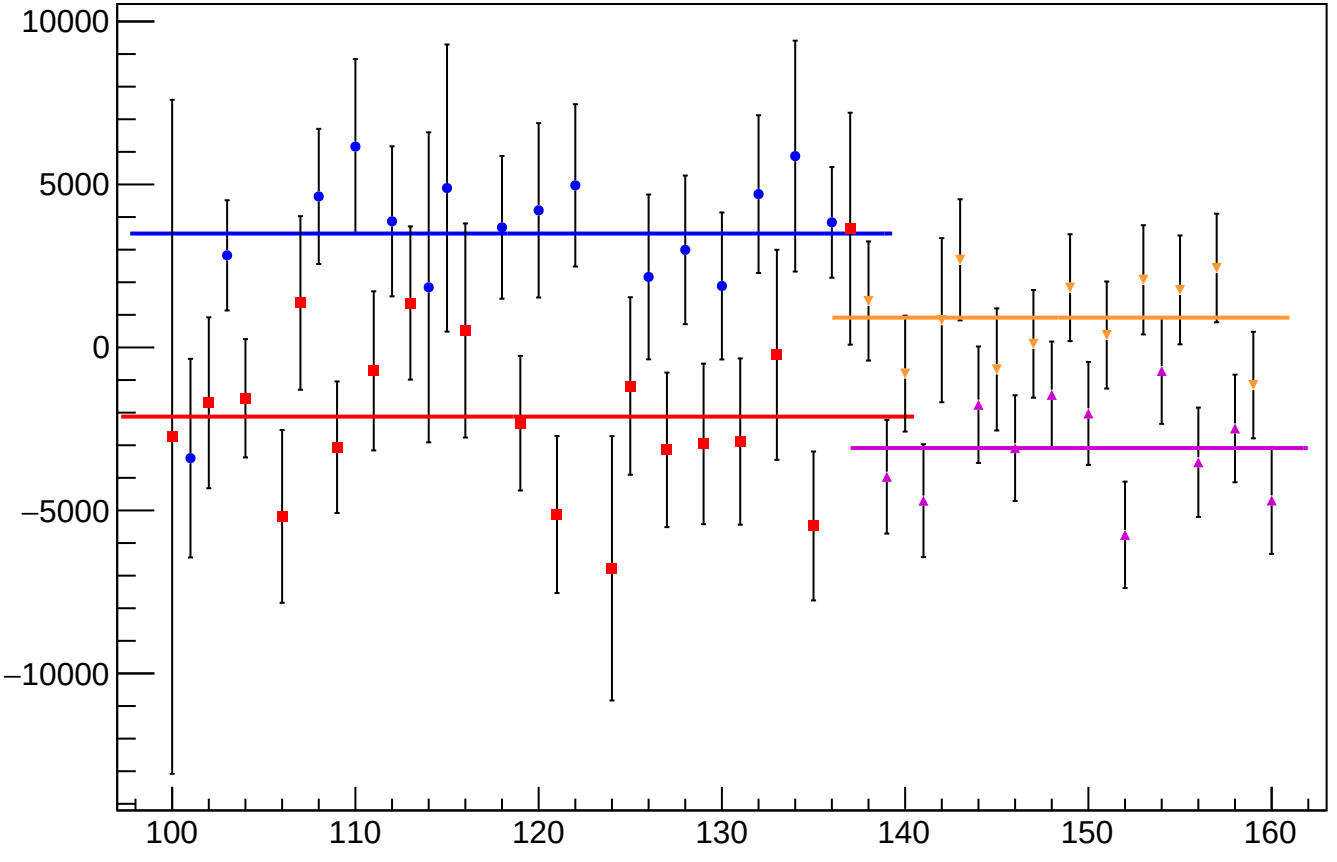
Left In: 4768.980+/-1.109 χ^2/NDF:494862.0/10

+ sign 4741.770+/-0.838 χ^2/NDF: 1262248.8/27

All: 4628.682+/-0.582 χ^2/NDF: 3579843.1/57

- 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: 914.490+/-505.840 χ^2/NDF:6.5/11

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

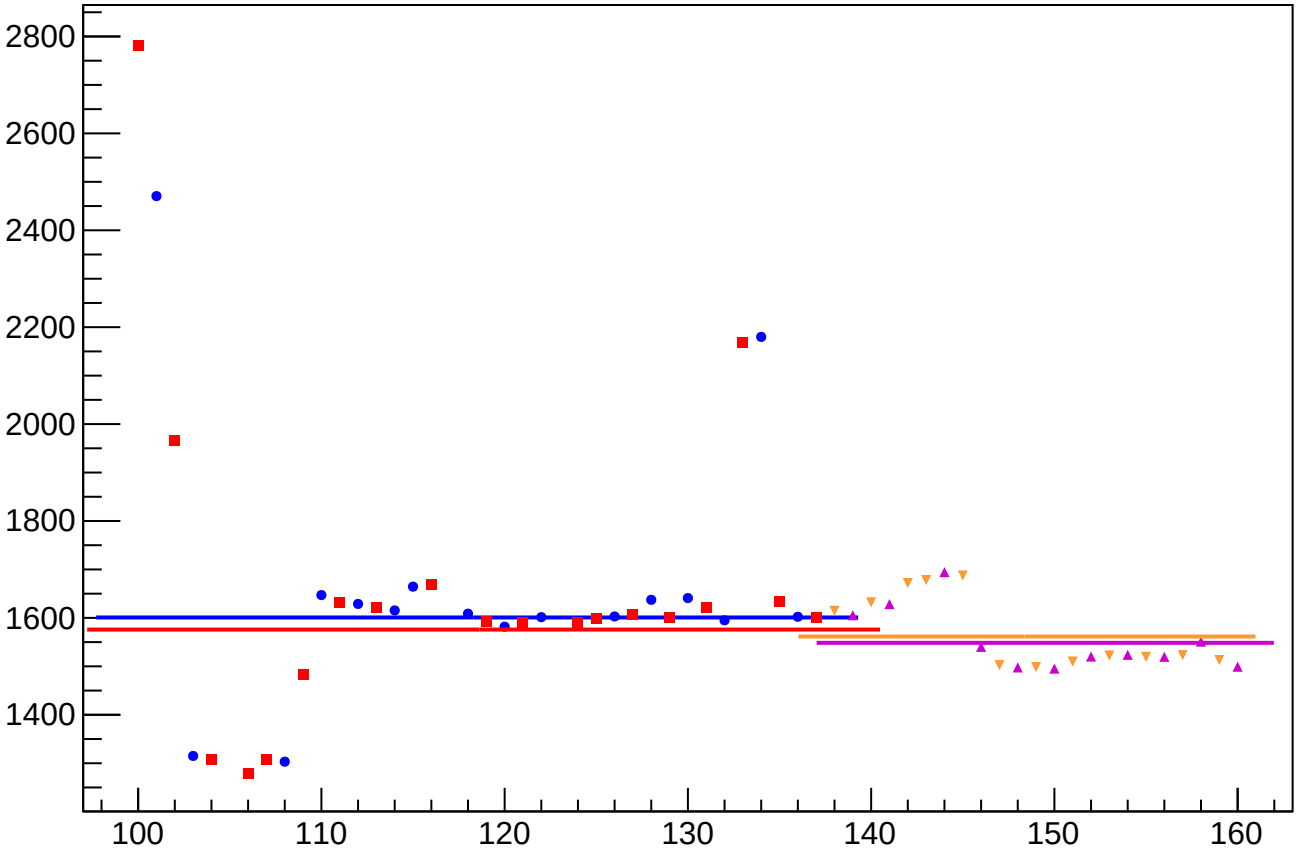
Left In: -3087.318+/-501.212 χ^2/NDF:9.1/10

+ sign 1983.735+/-387.056 χ^2/NDF: 26.1/27

All: -383.182+/-271.645 χ^2/NDF: 125.5/57

- 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: 1561.514+/-0.358 χ^2/NDF:38312.2/11

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

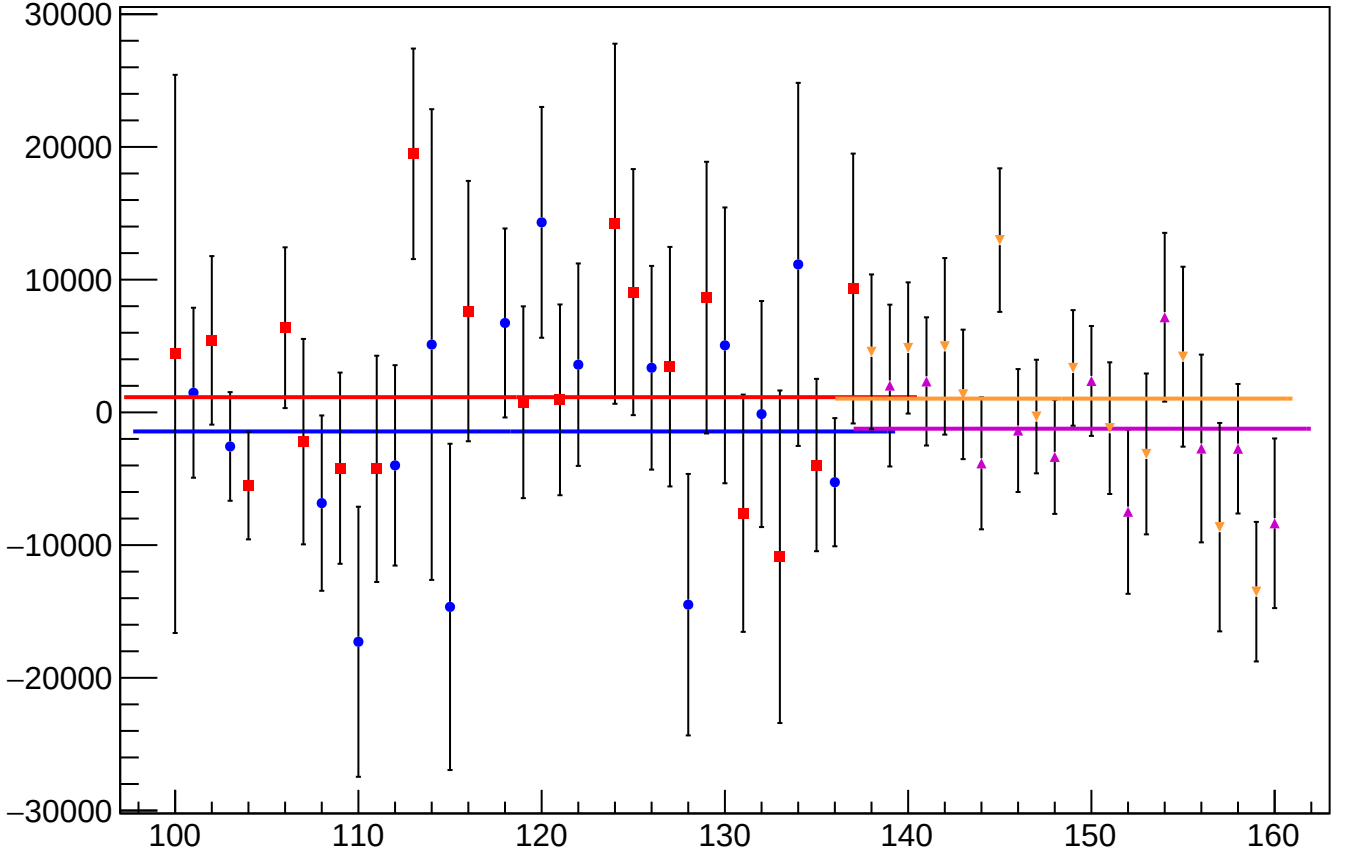
Left In: 1548.541+/-0.354 χ^2/NDF:27468.1/10

+ sign 1577.831+/-0.274 χ^2/NDF: 360746.3/27

All: 1568.827+/-0.192 χ^2/NDF: 636197.2/57

- 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: 1038.136+/-1545.688 χ^2/NDF:16.6/11

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

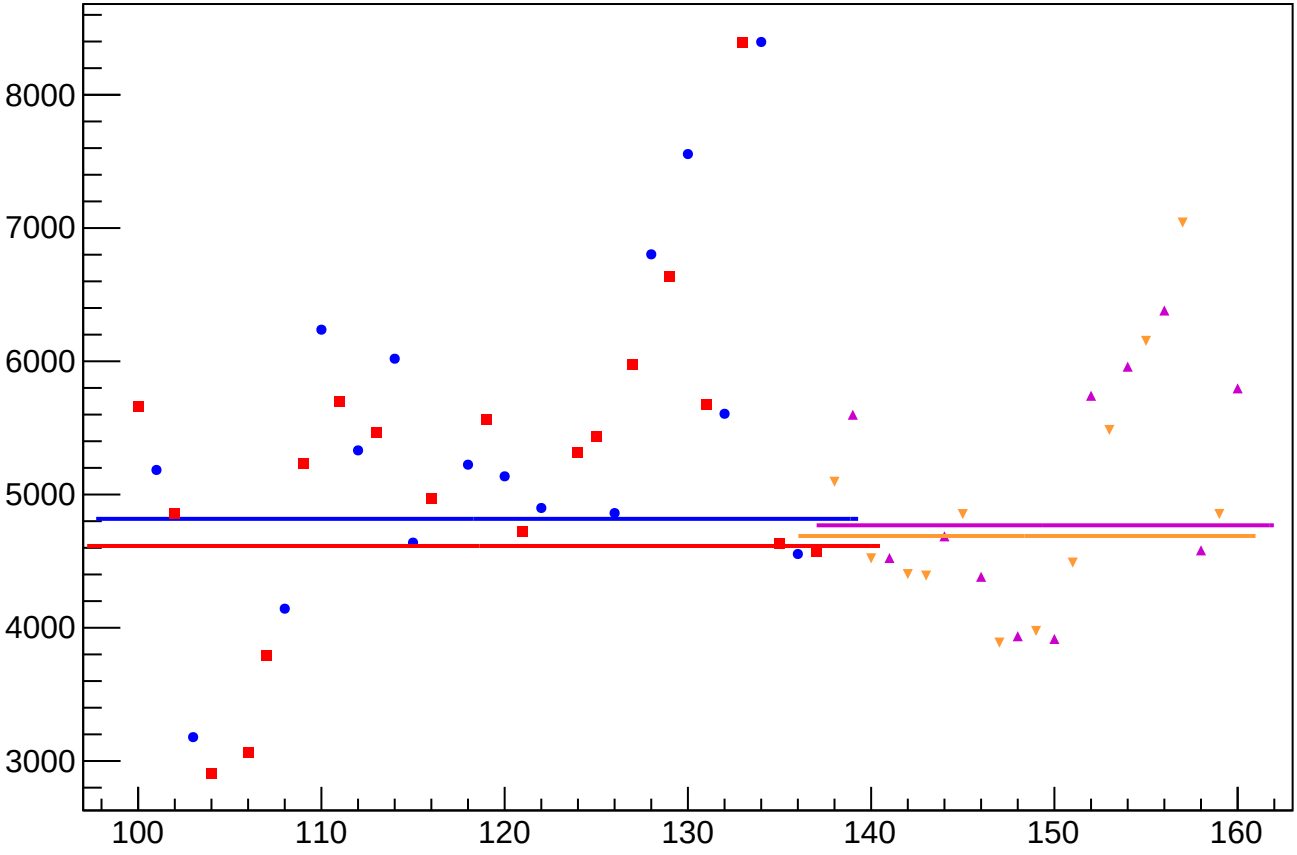
Left In: -1230.299+/-1567.974 χ^2/NDF:6.3/10

+ sign 19.380+/-1185.719 χ^2/NDF: 31.6/27

All: -82.610+/-833.657 χ^2/NDF: 55.1/57

- 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: 4688.906+/-1.093 χ^2/NDF:461142.6/11

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

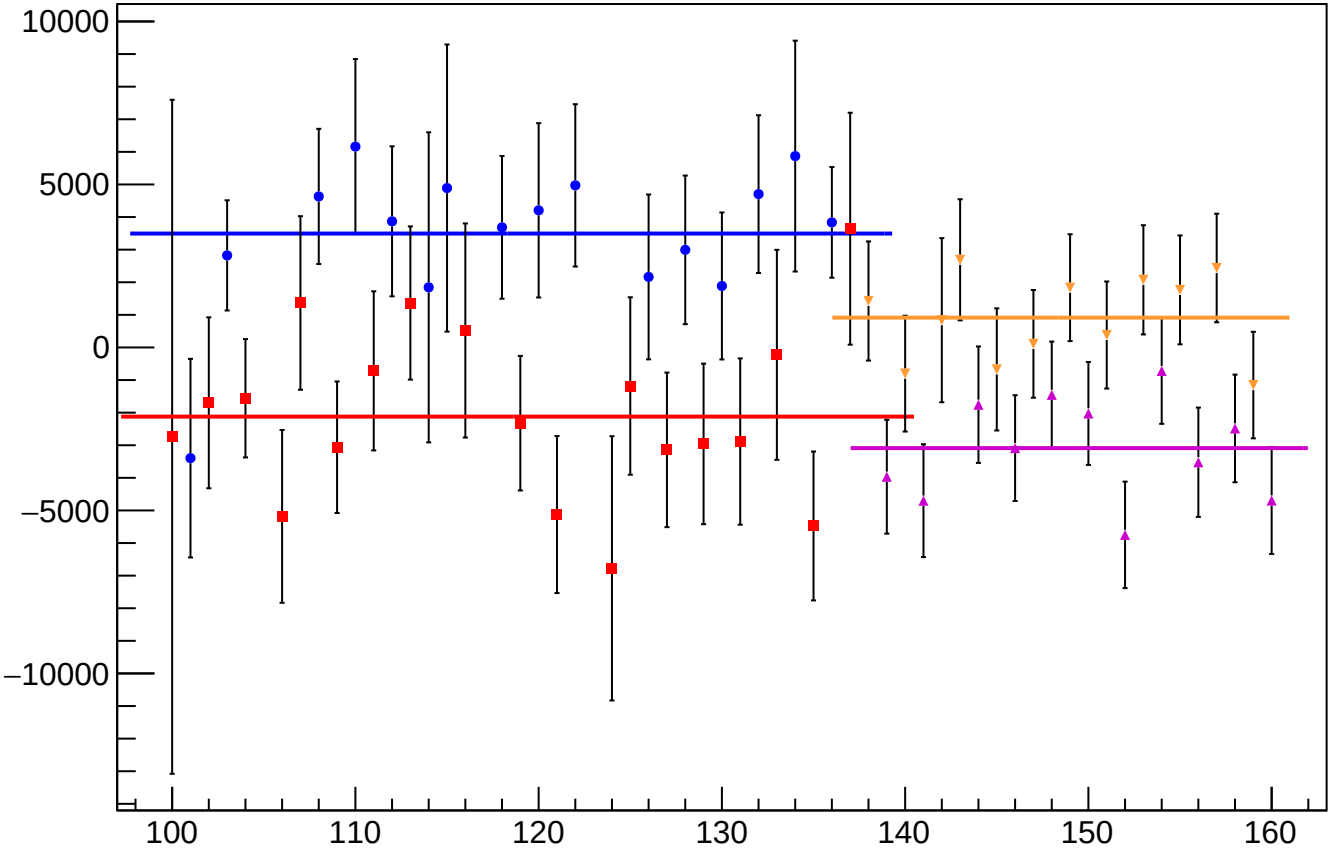
Left In: 4768.980+/-1.109 χ^2/NDF:494863.3/10

+ sign 4741.818+/-0.838 χ^2/NDF: 1262071.0/27

All: 4720.960+/-0.589 χ^2/NDF: 2744749.4/57

- 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: 914.490+/-505.840 χ^2/NDF:6.5/11

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

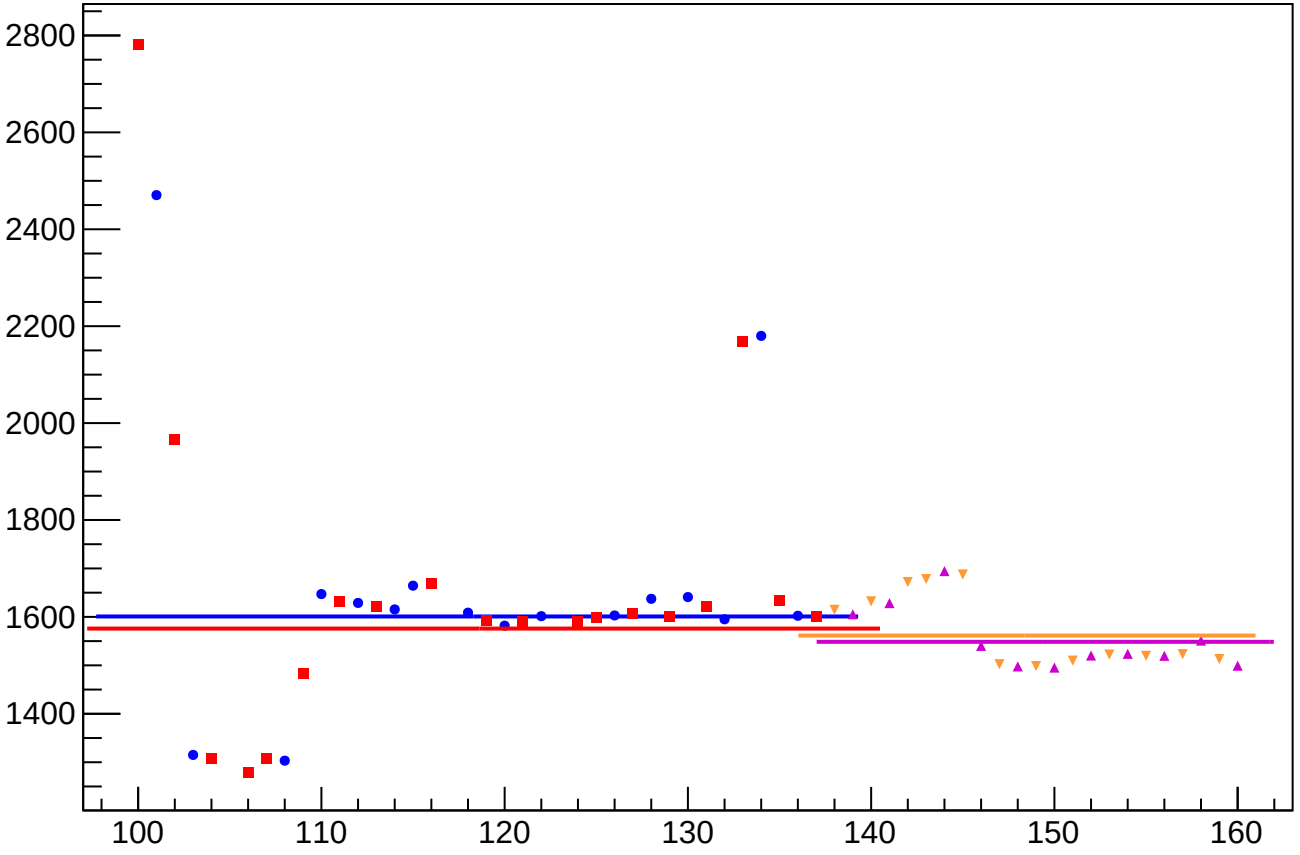
Left In: -3087.318+/-501.212 χ^2/NDF:9.1/10

+ sign 1983.735+/-387.056 χ^2/NDF: 26.1/27

All: -383.182+/-271.645 χ^2/NDF: 125.5/57

- 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: 1561.514+/-0.358 χ^2/NDF:38312.2/11

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

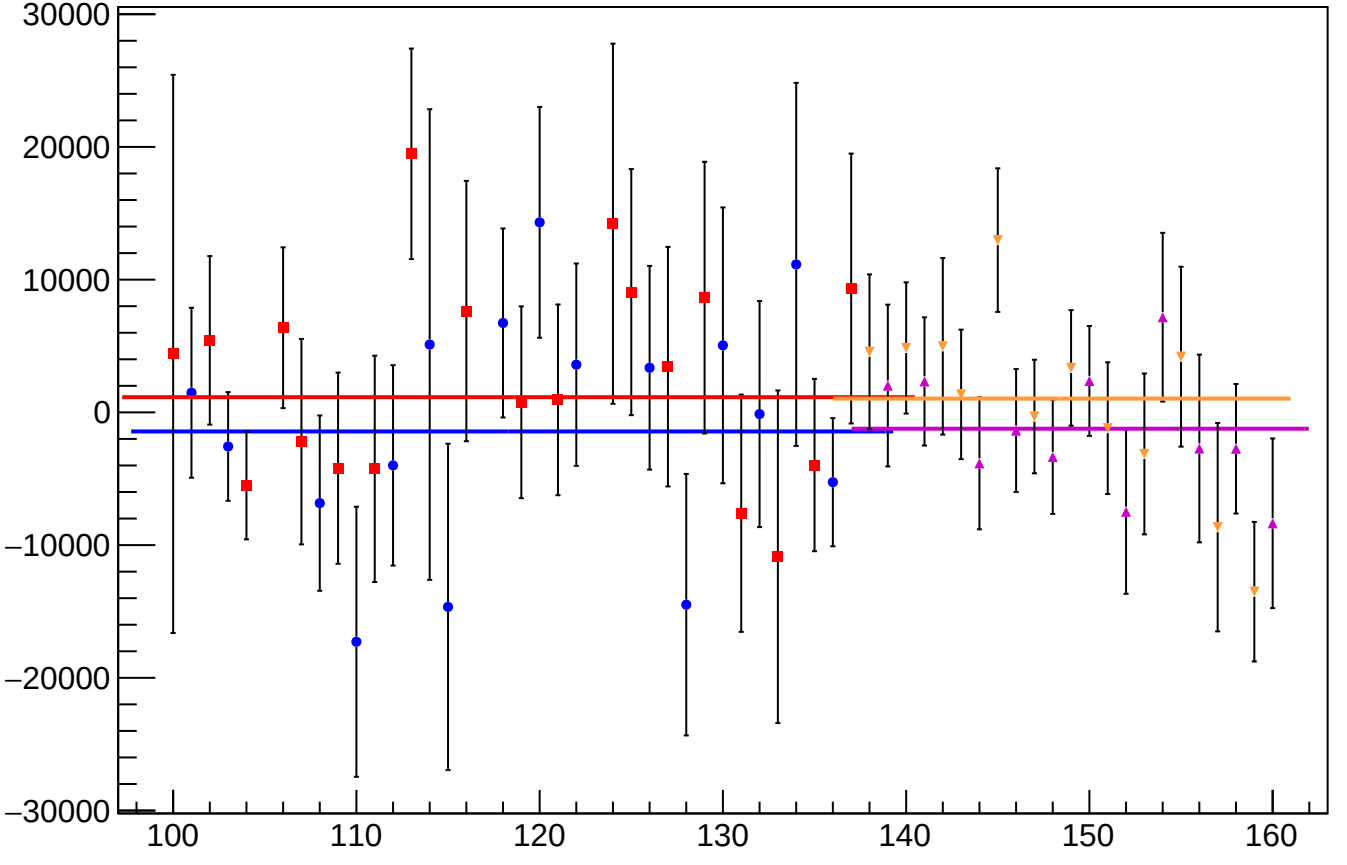
Left In: 1548.541+/-0.354 χ^2/NDF:27468.1/10

+ sign 1577.831+/-0.274 χ^2/NDF: 360746.3/27

All: 1568.827+/-0.192 χ^2/NDF: 636197.2/57

- sign 1560.115+/-0.269 χ^2/NDF: 273321.3/29

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1038.136+/-1545.688 χ^2/NDF:16.6/11

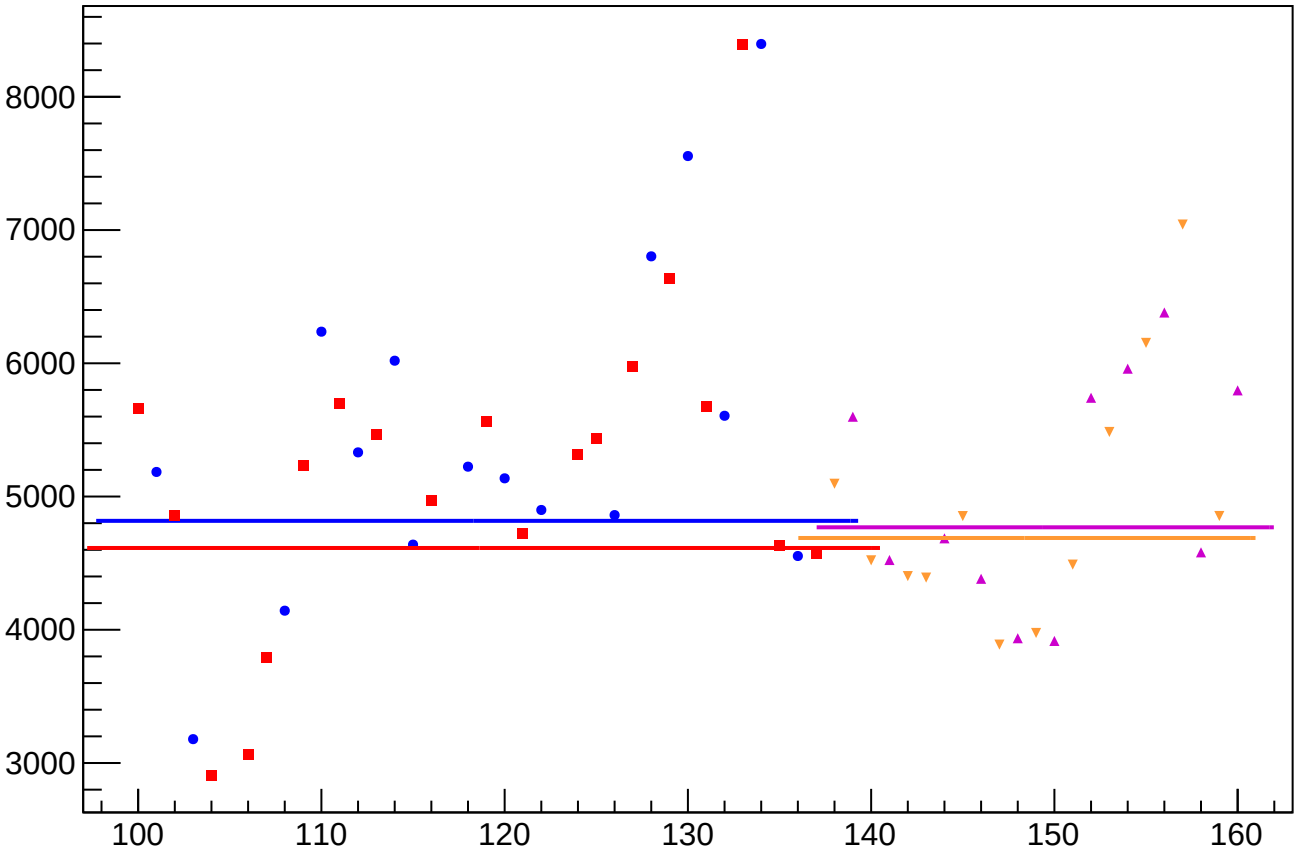
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -1230.299+/-1567.974 χ^2/NDF:6.3/10

\+ sign 19.380+/-1185.719 χ^2/NDF: 31.6/27

All: -82.610+/-833.657 χ^2/NDF: 55.1/57

\- 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: 4688.906+/-1.093 χ^2/NDF:461142.6/11

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

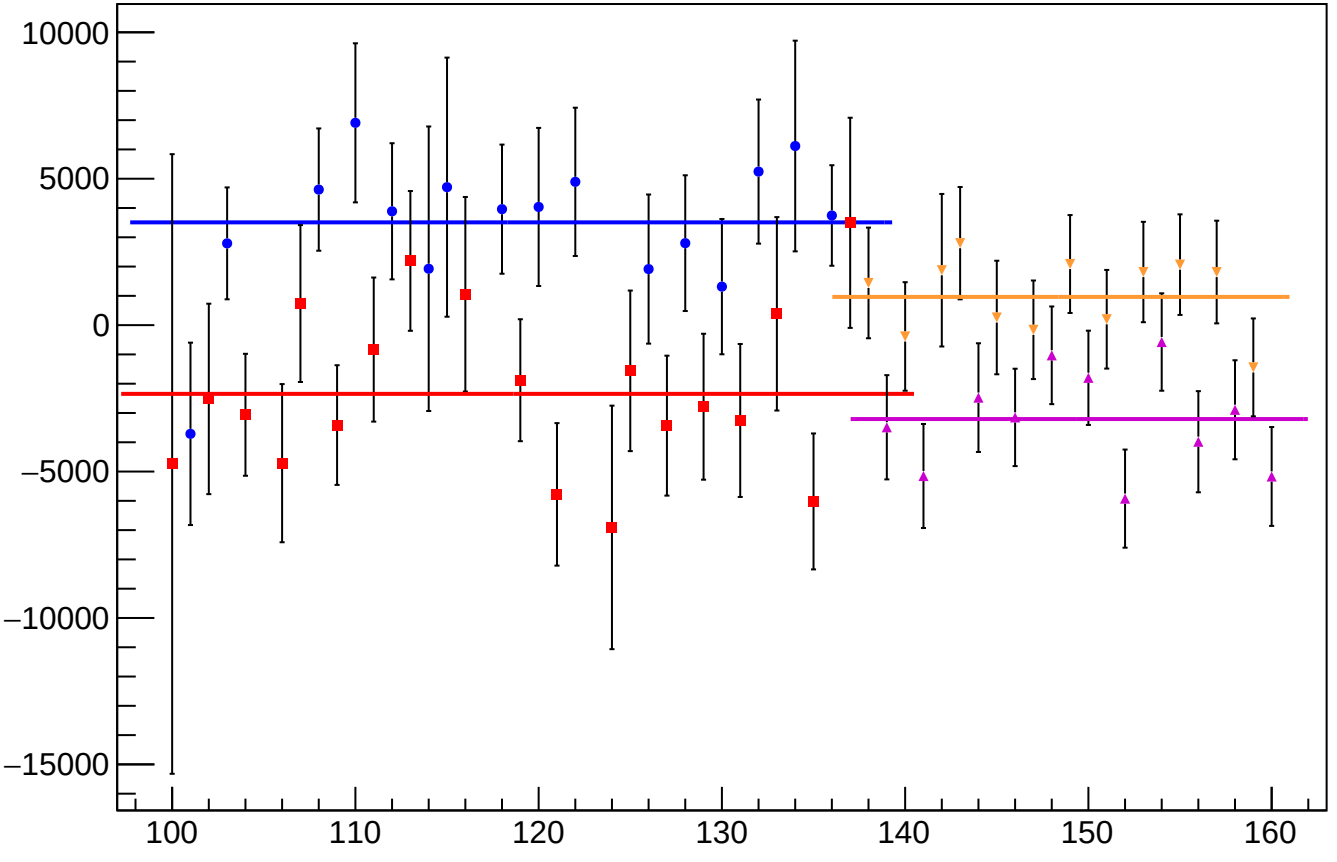
Left In: 4768.980+/-1.109 χ^2/NDF:494863.3/10

+ sign 4741.818+/-0.838 χ^2/NDF: 1262071.0/27

All: 4720.960+/-0.589 χ^2/NDF: 2744749.4/57

- 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: 964.307+/-521.114 χ^2/NDF:5.8/11

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

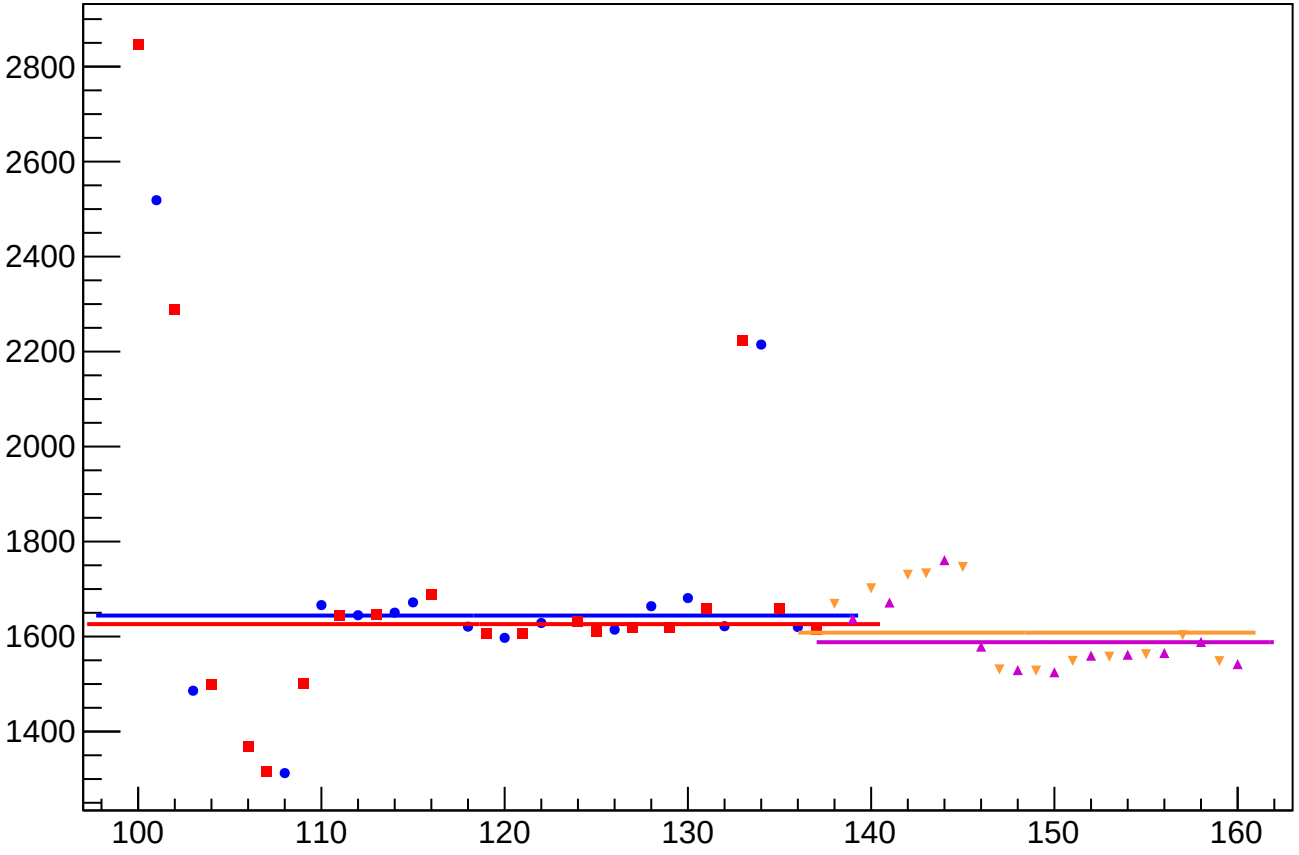
Left In: -3206.925+/-514.098 χ^2/NDF:10.6/10

+ sign 2024.537+/-398.043 χ^2/NDF: 26.2/27

All: -446.297+/-279.456 χ^2/NDF: 131.0/57

- 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: 1608.197+/-0.368 χ^2/NDF:47207.2/11

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

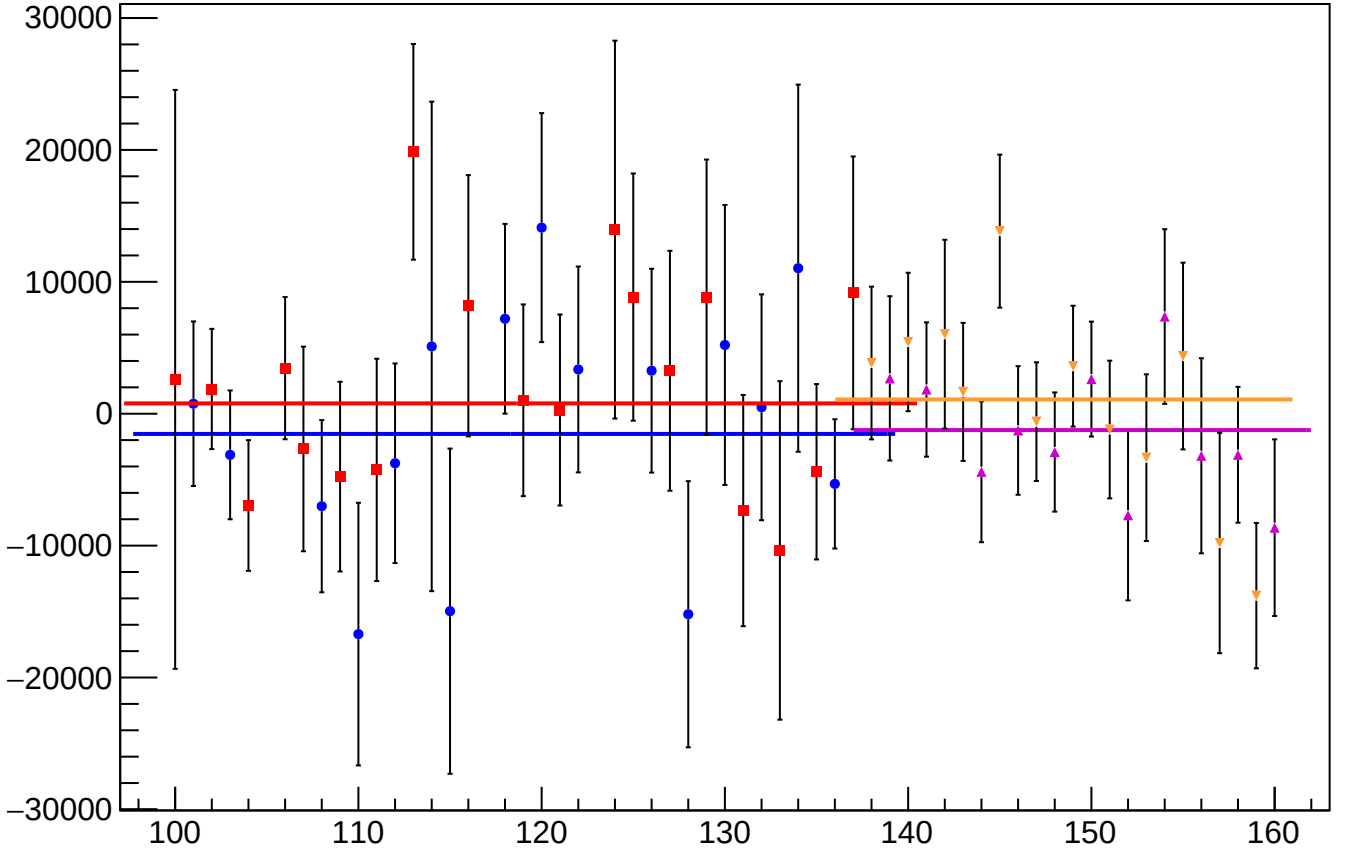
Left In: 1588.120+/-0.364 χ^2/NDF:31827.4/10

+ sign 1623.194+/-0.281 χ^2/NDF: 326001.4/27

All: 1613.466+/-0.198 χ^2/NDF: 602400.5/57

- sign 1604.016+/-0.277 χ^2/NDF: 274044.1/29

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 1083.714+/-1626.804 χ^2/NDF:16.6/11

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

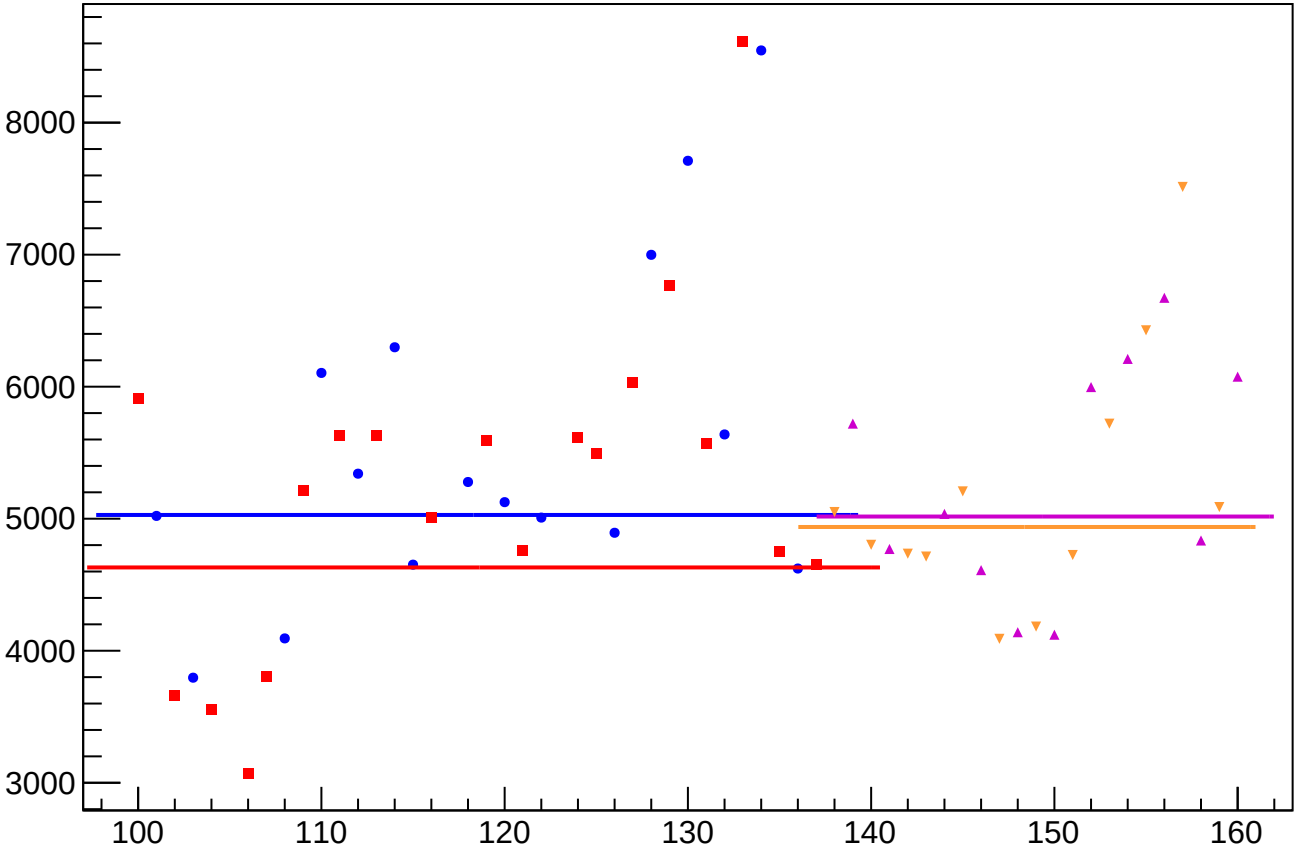
Left In: -1239.095+/-1648.148 χ^2/NDF:6.1/10

+ sign -13.548+/-1239.502 χ^2/NDF: 31.5/27

All: -154.875+/-861.912 χ^2/NDF: 53.4/57

- 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: 4937.320+/-1.150 χ^2/NDF:450870.1/11

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

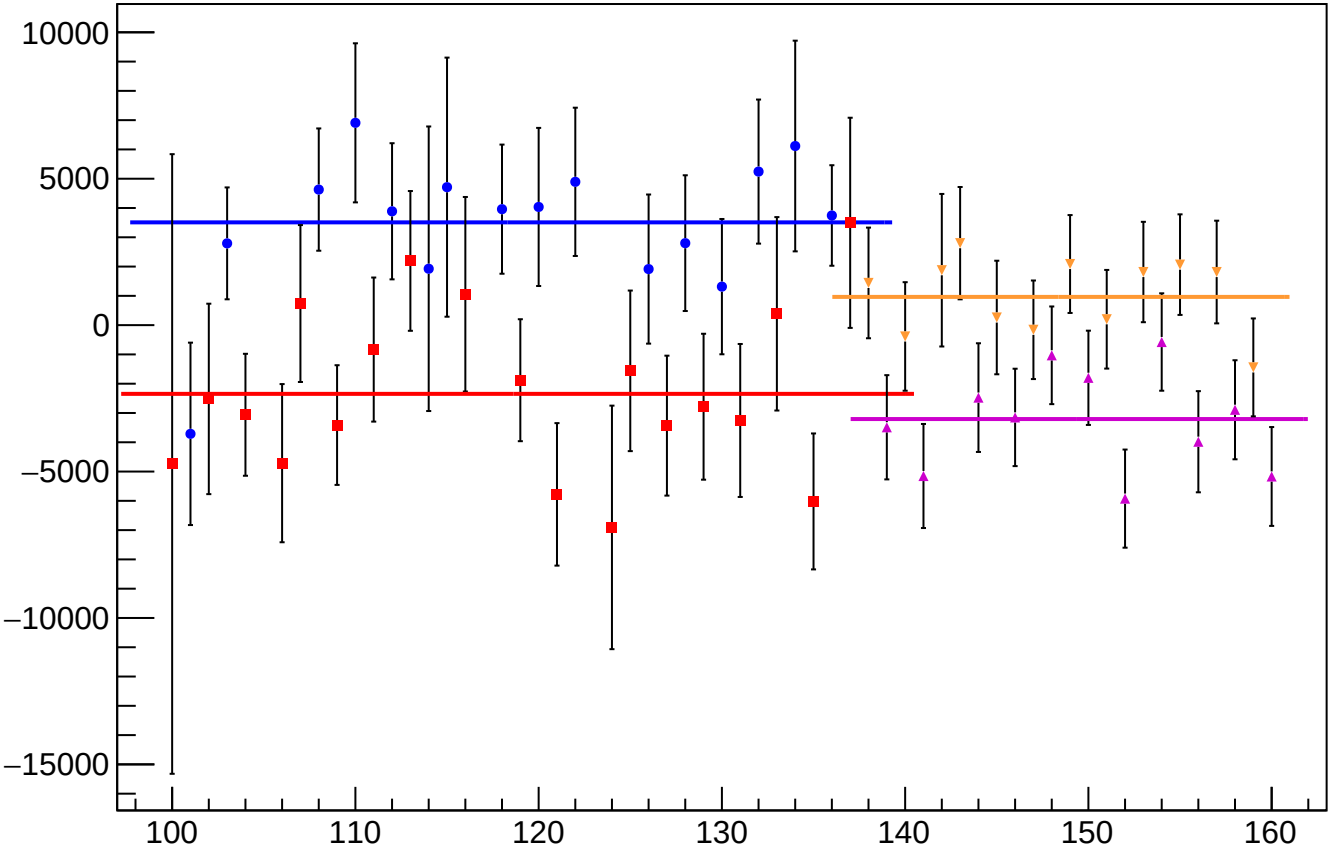
Left In: 5016.514+/-1.165 χ^2/NDF:467612.4/10

+ sign 4975.546+/-0.876 χ^2/NDF: 1018972.1/27

All: 4903.010+/-0.609 χ^2/NDF: 2414868.3/57

- 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: 964.298+/-521.114 χ^2/NDF:5.8/11

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

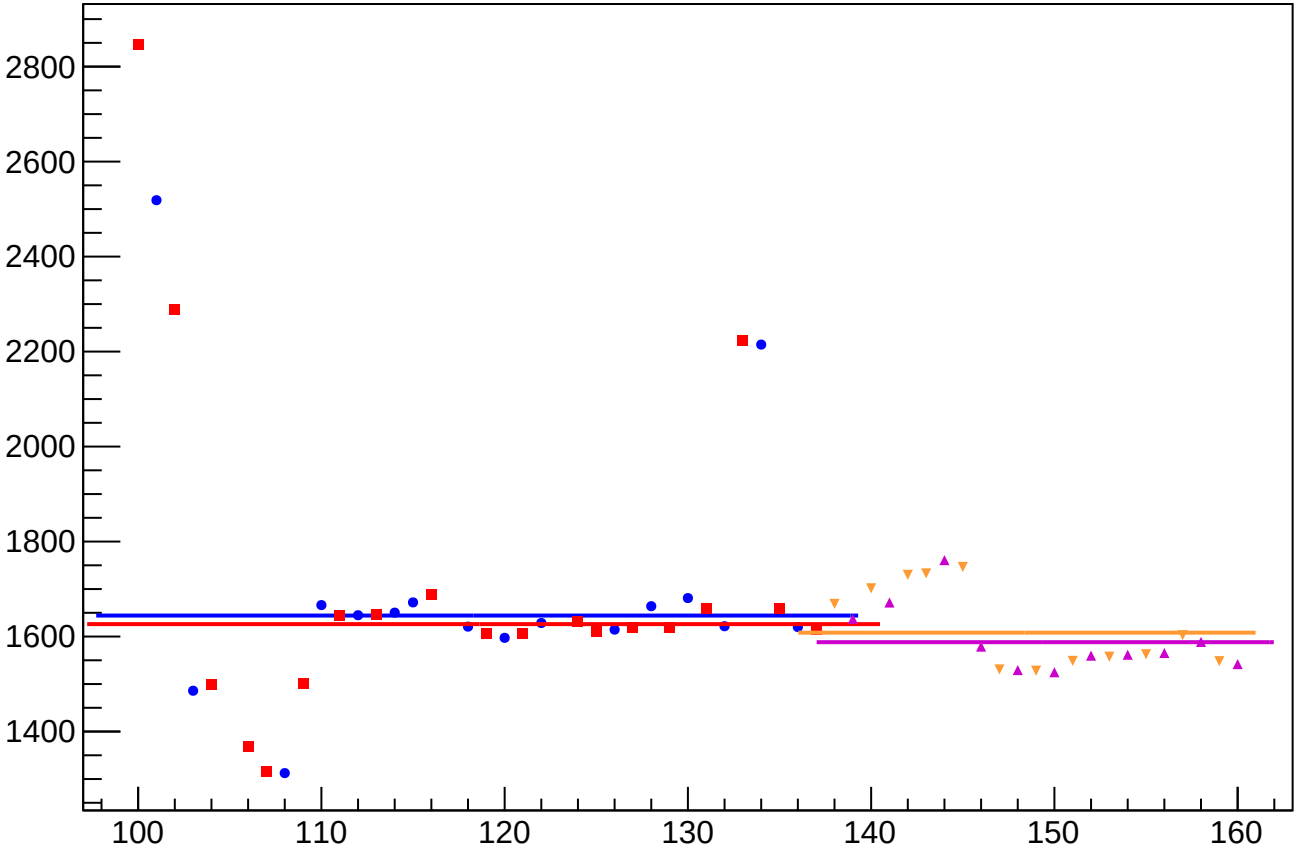
Left In: -3206.927+/-514.099 χ^2/NDF:10.6/10

+ sign 2024.535+/-398.043 χ^2/NDF: 26.2/27

All: -446.300+/-279.456 χ^2/NDF: 131.0/57

- 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: 1608.198+/-0.368 χ^2/NDF:47207.3/11

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

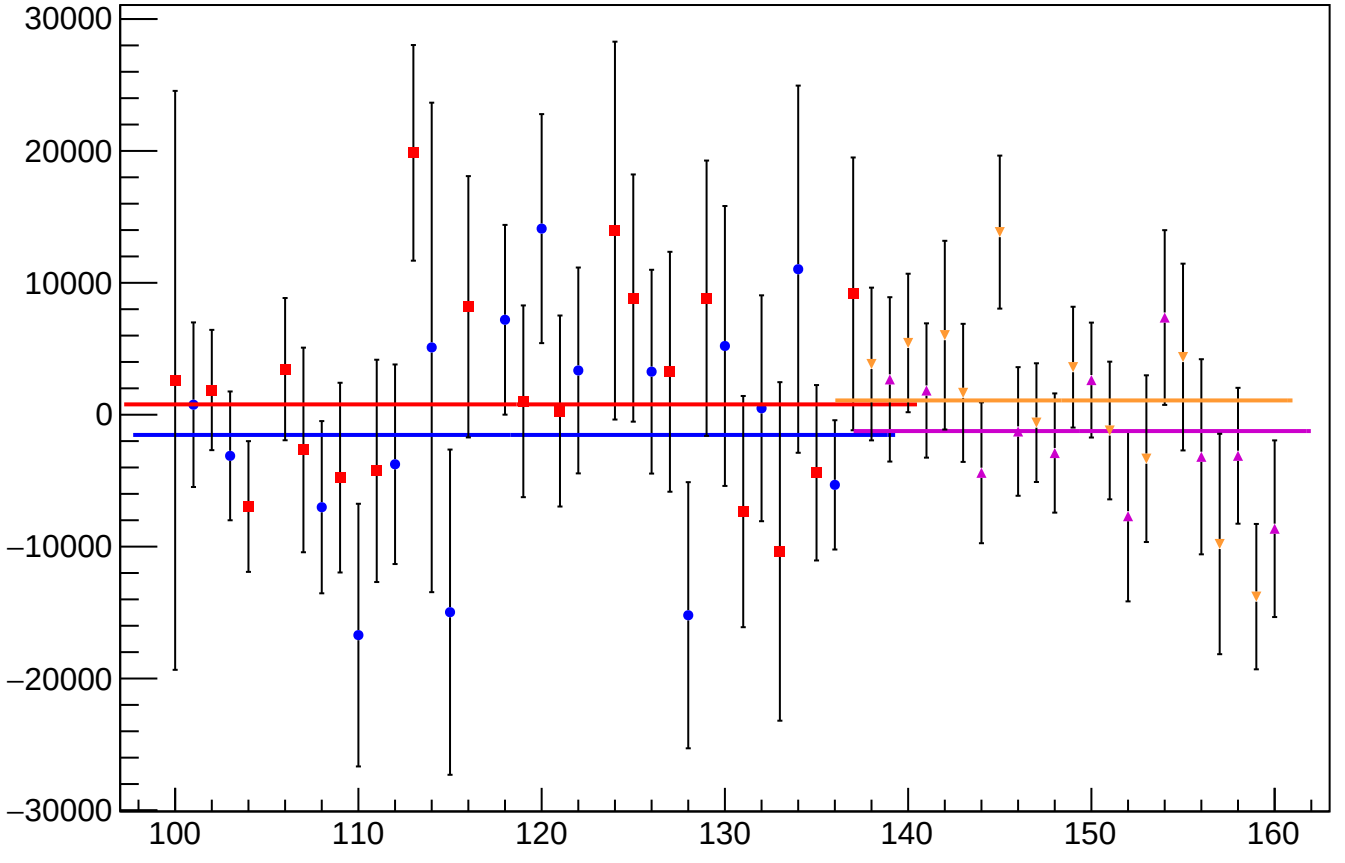
Left In: 1588.121+/-0.364 χ^2/NDF:31827.3/10

+ sign 1623.194+/-0.281 χ^2/NDF: 326001.3/27

All: 1613.466+/-0.198 χ^2/NDF: 602399.6/57

- sign 1604.017+/-0.277 χ^2/NDF: 274043.3/29

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 1083.709+/-1626.806 χ^2/NDF:16.6/11

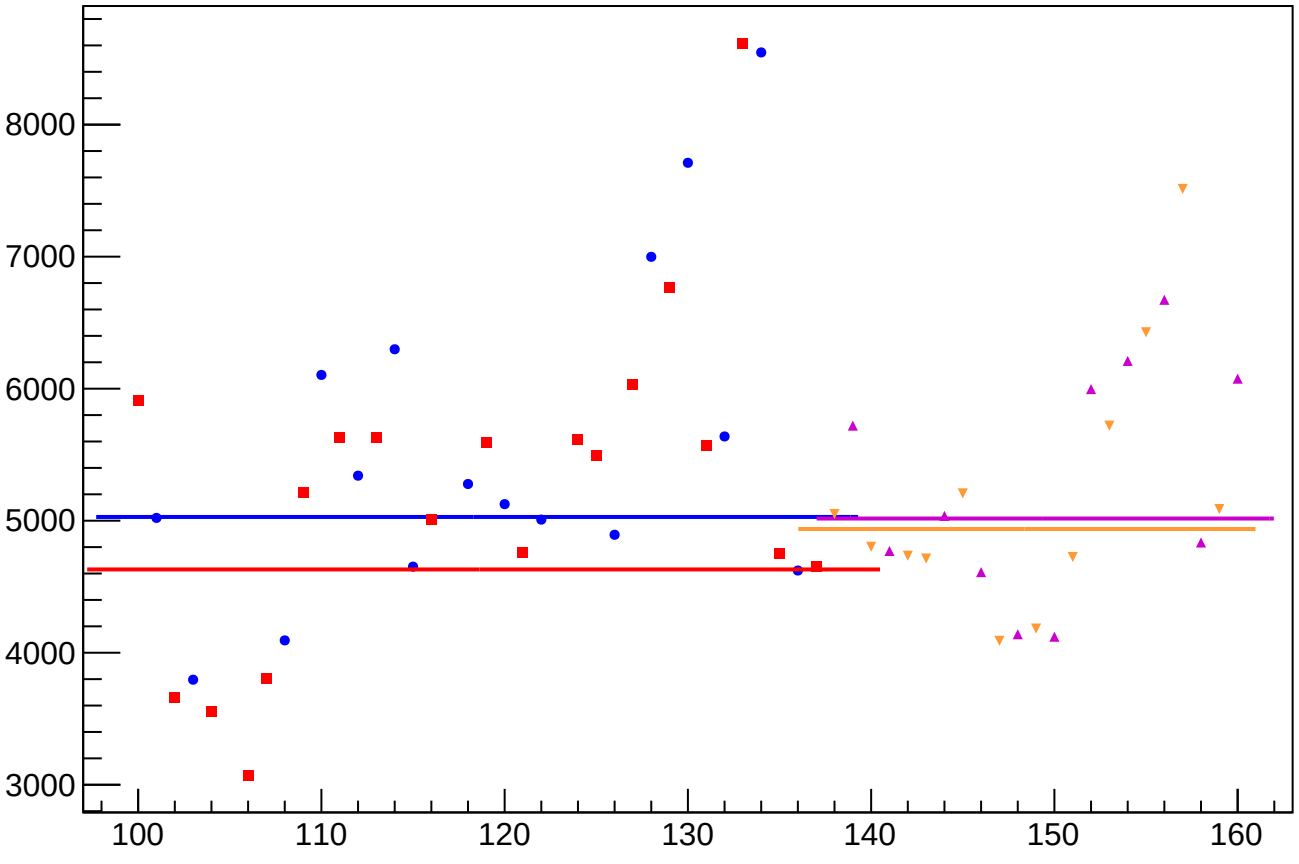
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -1239.094+/-1648.150 χ^2/NDF:6.1/10

\+ sign -13.549+/-1239.502 χ^2/NDF: 31.5/27

All: -154.874+/-861.913 χ^2/NDF: 53.4/57

\- 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: 4937.327+/-1.150 χ^2/NDF:450869.4/11

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

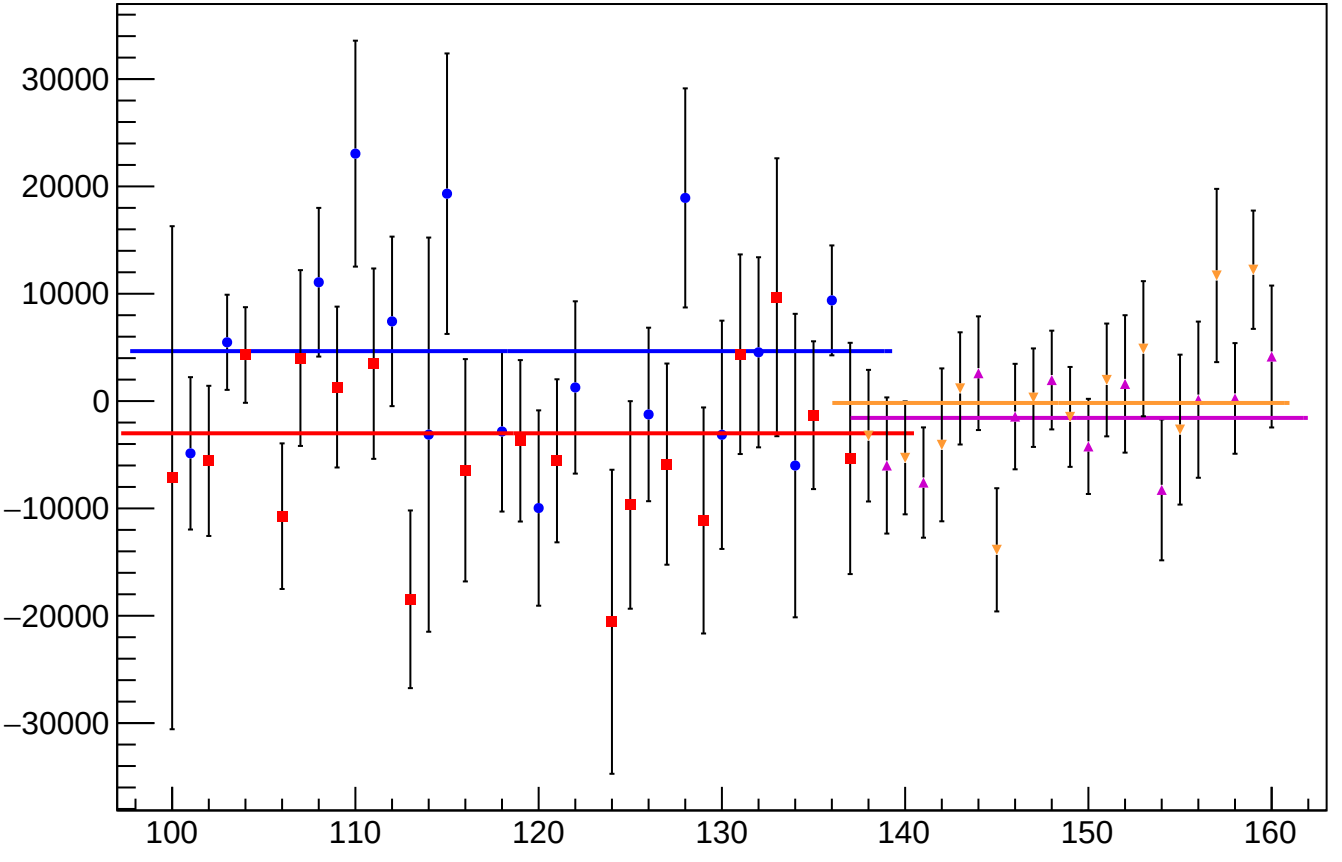
Left In: 5016.521+/-1.165 χ^2/NDF:467611.0/10

+ sign 4975.548+/-0.876 χ^2/NDF: 1018964.3/27

All: 4903.011+/-0.609 χ^2/NDF: 2414857.2/57

- 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: -174.859+/-1636.739 χ^2/NDF:15.5/11

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

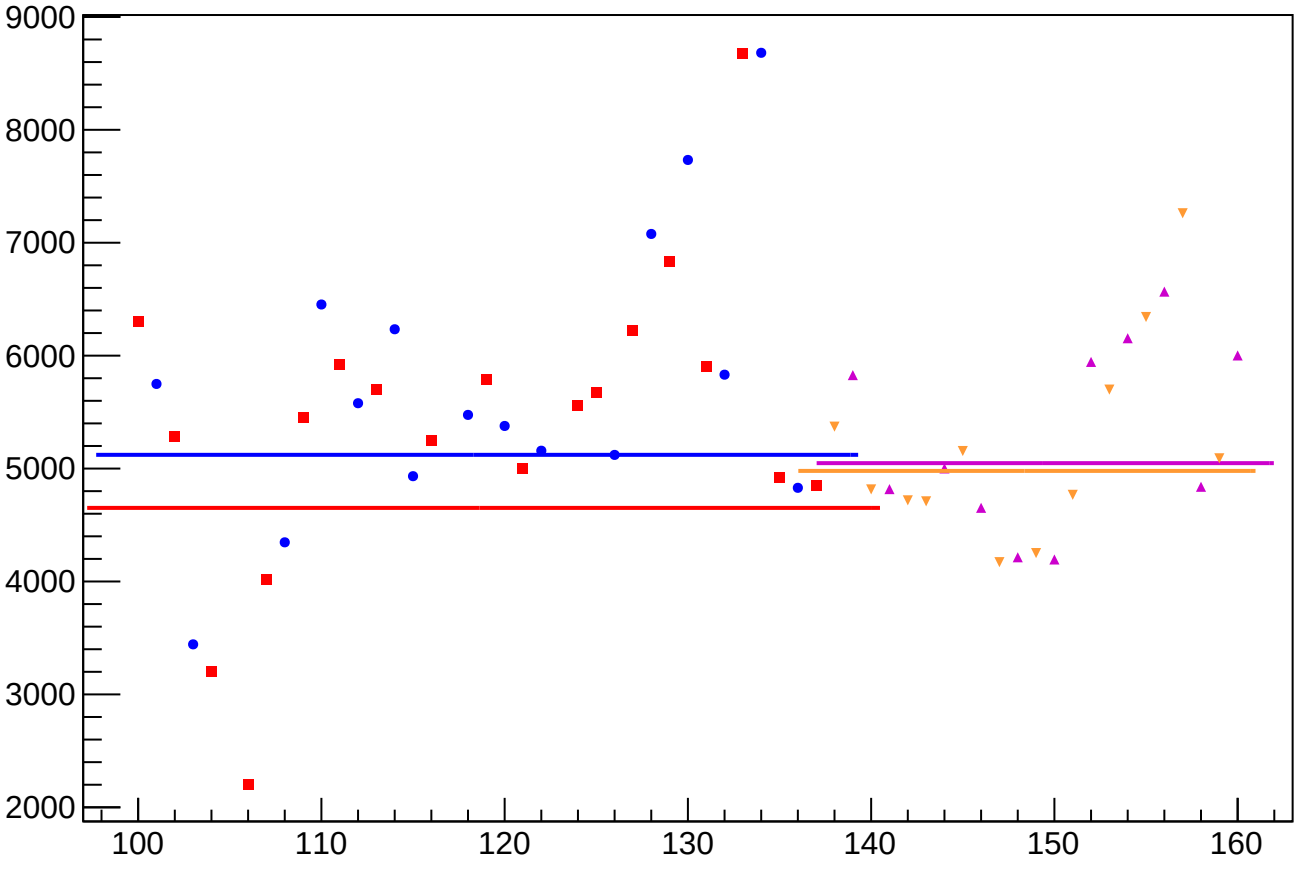
Left In: -1567.693+/-1655.228 χ^2/NDF:5.6/10

+ sign 1810.489+/-1255.907 χ^2/NDF: 34.6/27

All: -211.458+/-883.513 χ^2/NDF: 59.6/57

- 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: 4979.329+/-1.157 χ^2/NDF:397129.5/11

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

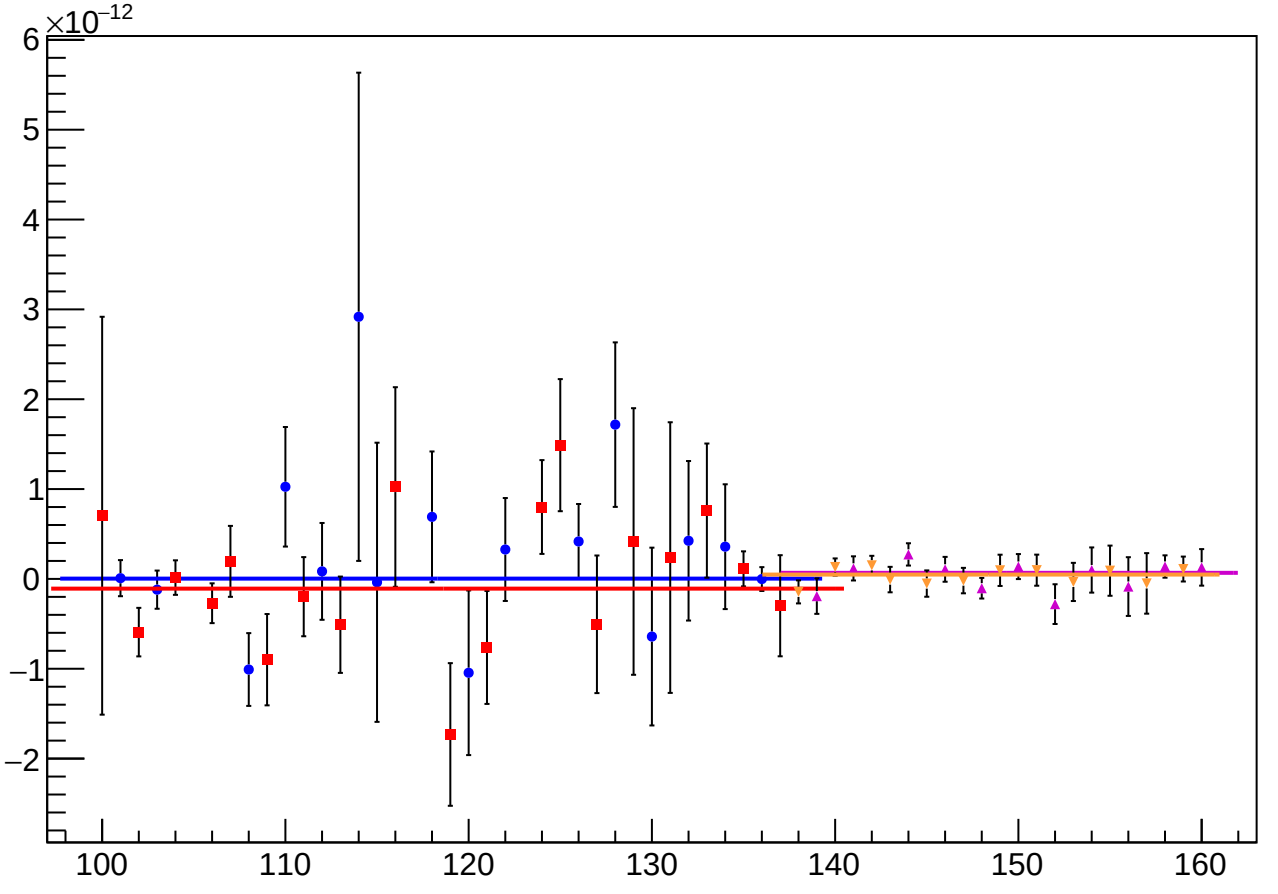
Left In: 5048.066+/-1.170 χ^2/NDF:415274.8/10

+ sign 5037.851+/-0.888 χ^2/NDF: 1123717.3/27

All: 4950.395+/-0.619 χ^2/NDF: 2954937.1/57

- 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:5.4/11

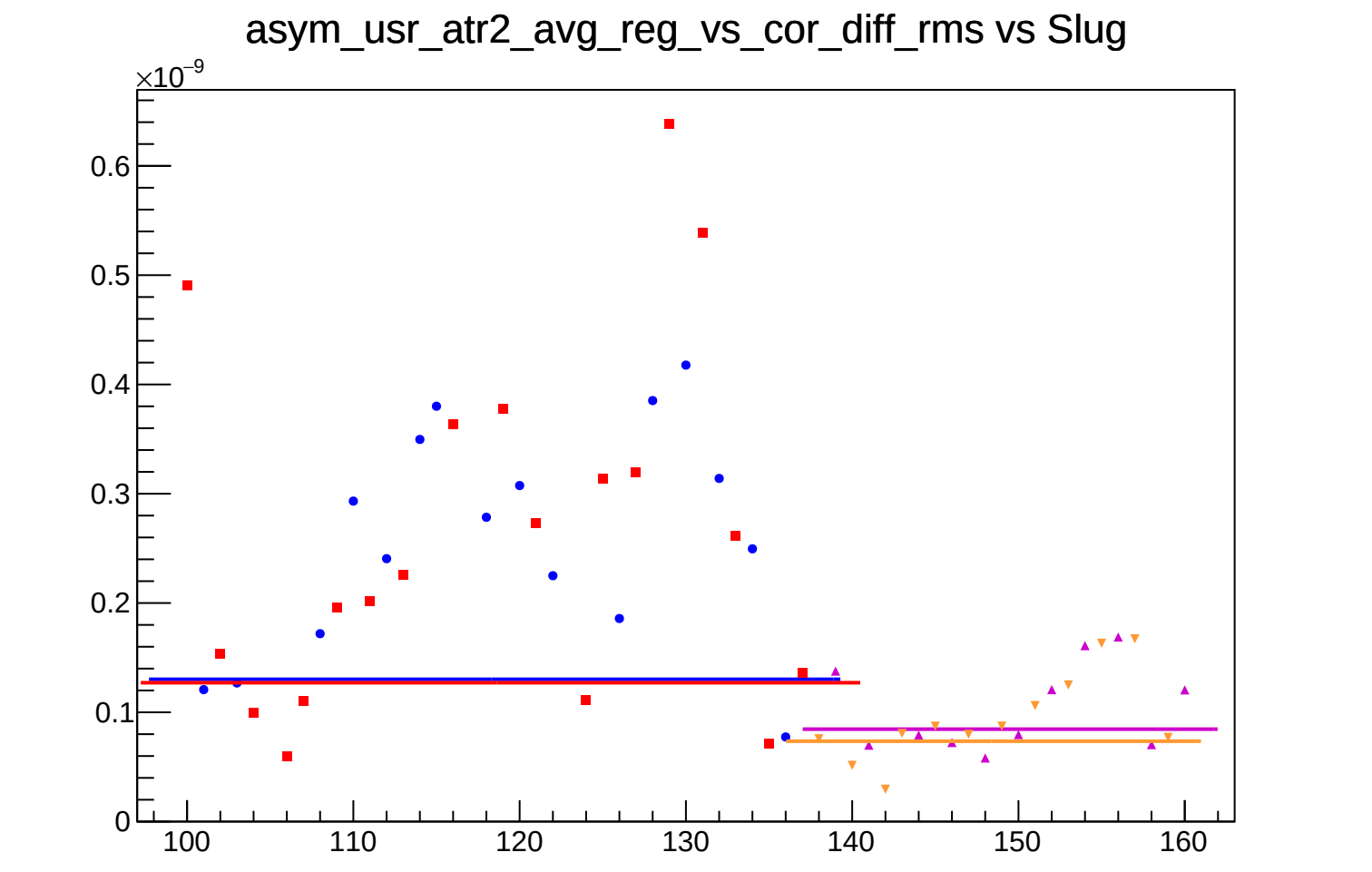
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

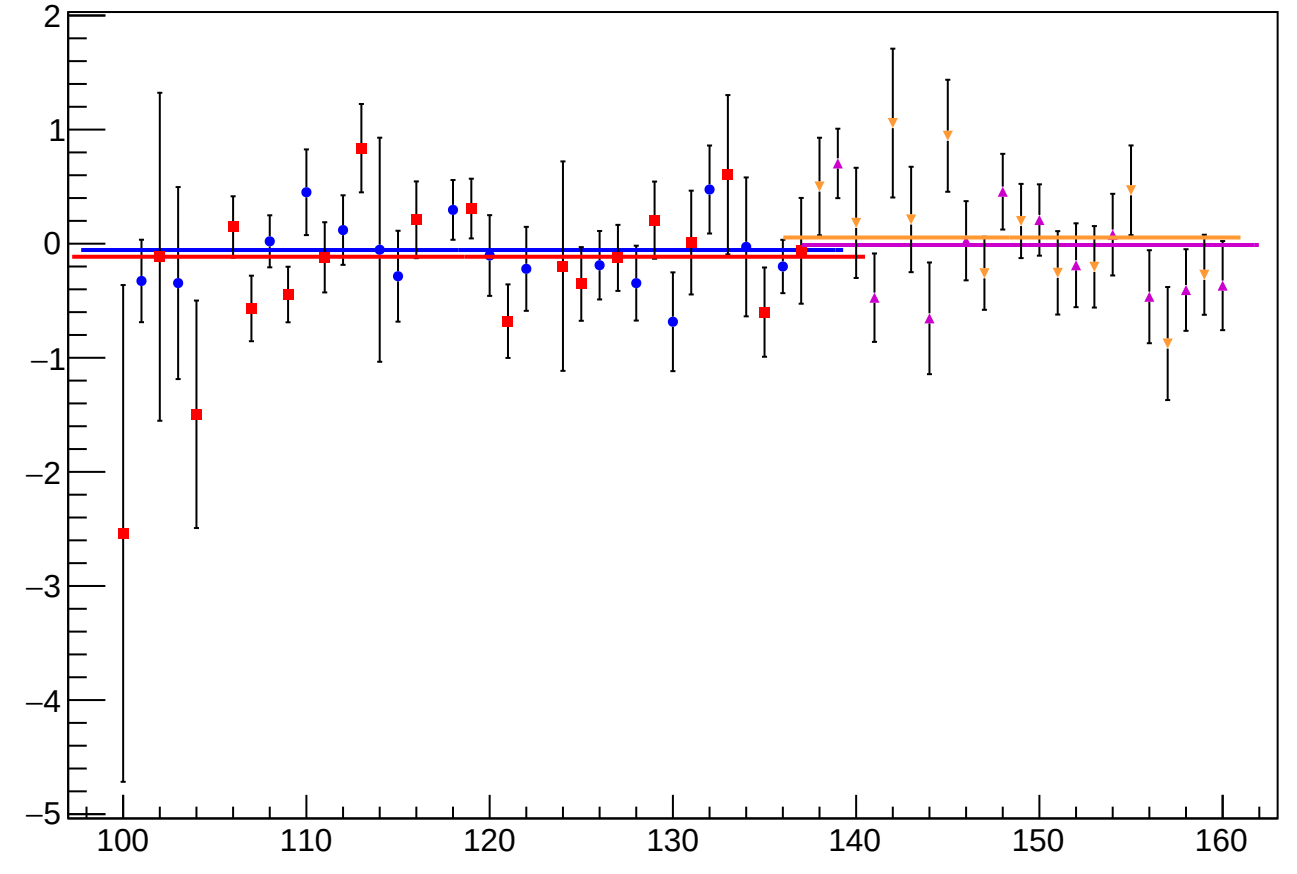
Left In: 0.000+/-0.000 χ^2/NDF:10.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 23.6/27

All: 0.000+/-0.000 χ^2/NDF: 62.1/57

- sign 0.000+/-0.000 χ^2/NDF: 38.5/29


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1038153.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:755496.7/10
+ sign 0.000+/-0.000 χ²/NDF: 3061934.0/27
All: 0.000+/-0.000 χ²/NDF: 5960873.0/57
- sign 0.000+/-0.000 χ²/NDF: 2843943.5/29



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.054+/-0.116 χ^2/NDF:14.8/11

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

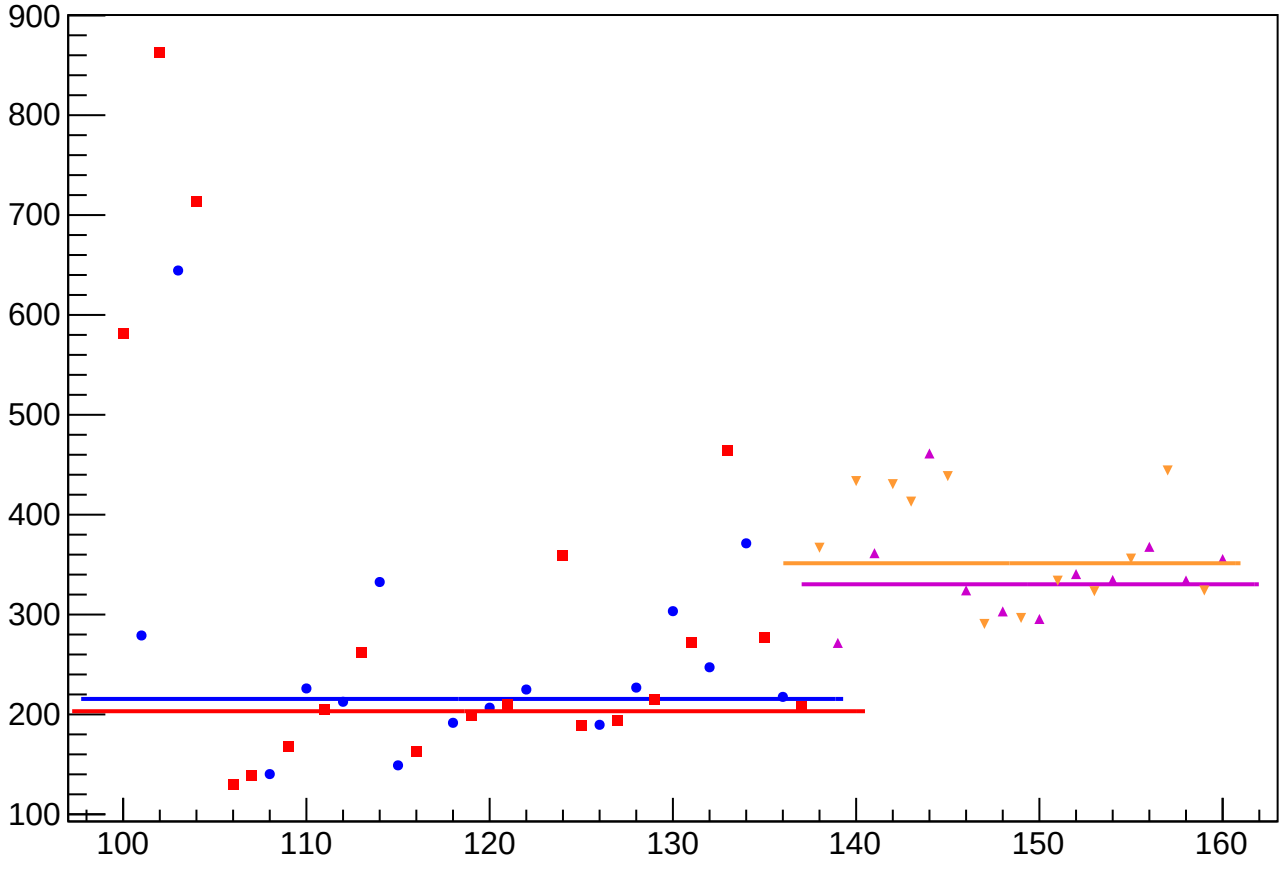
Left In: -0.011+/-0.109 χ^2/NDF:14.7/10

+ sign -0.017+/-0.069 χ^2/NDF: 26.1/27

All: -0.048+/-0.048 χ^2/NDF: 67.0/57

- 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: 351.372+/-0.082 χ^2/NDF:417490.0/11

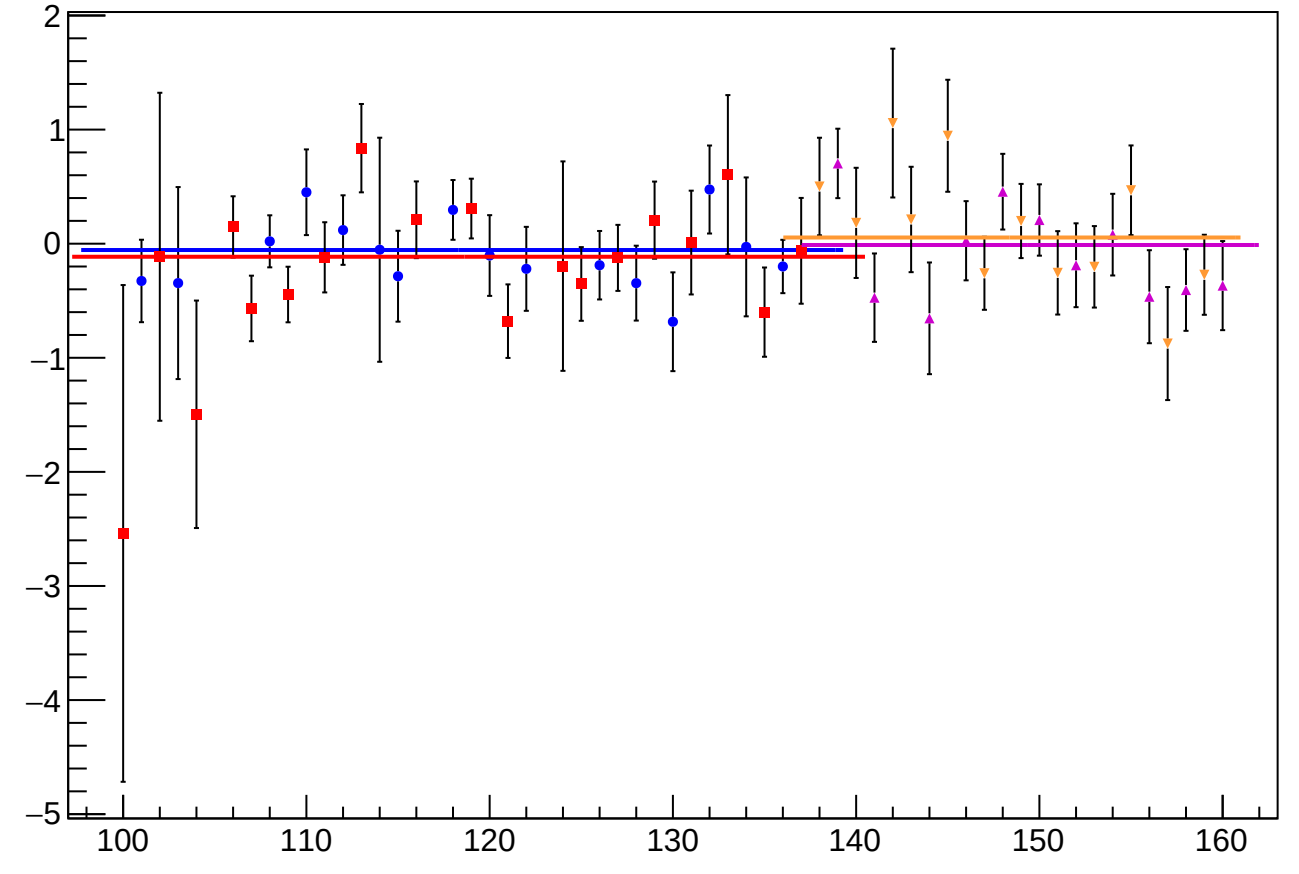
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 330.309+/-0.077 χ^2/NDF:296694.7/10

+ sign 263.260+/-0.049 χ^2/NDF: 3341915.0/27

All: 256.489+/-0.034 χ^2/NDF: 7238387.7/57

- 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: 0.054+/-0.116 χ^2/NDF:14.8/11

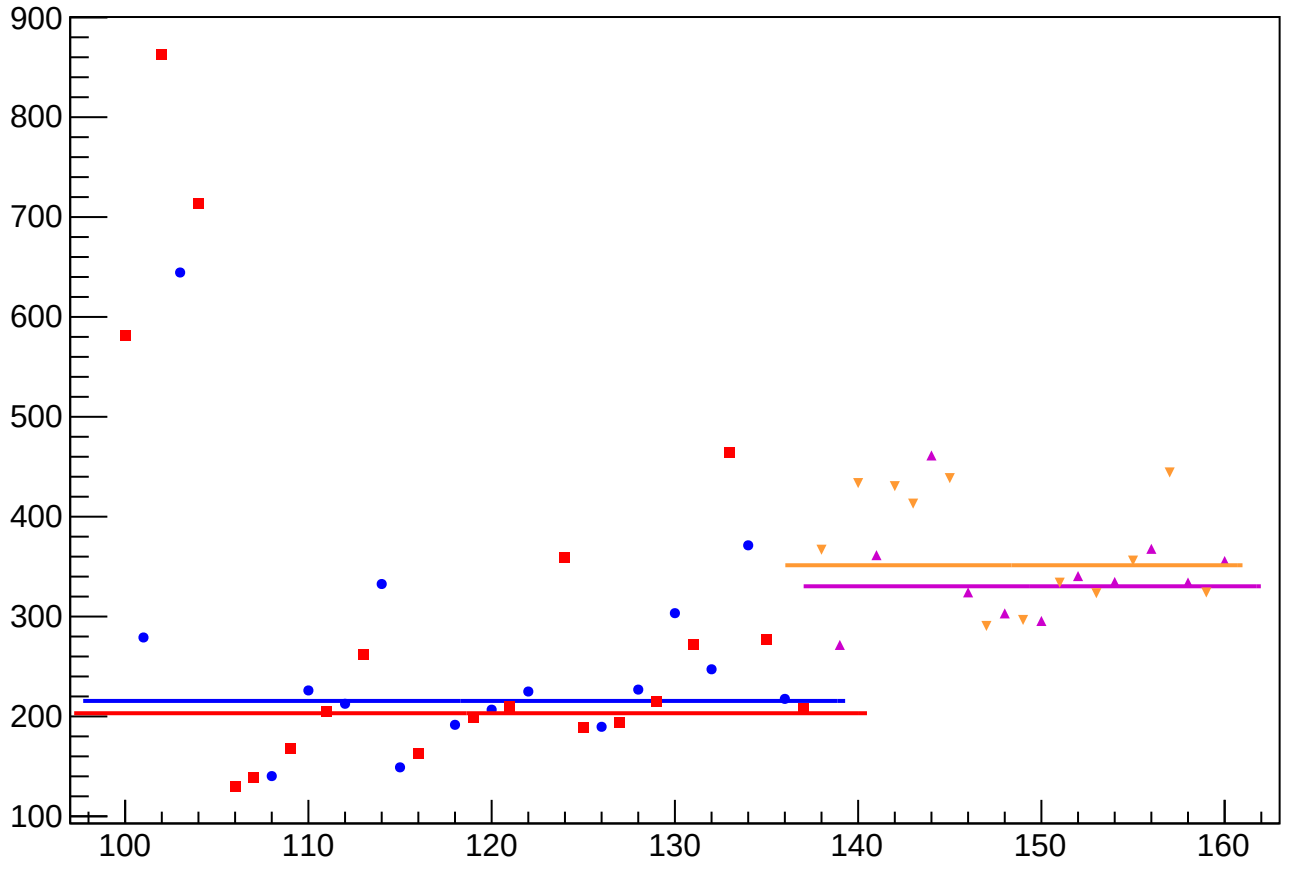
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.011+/-0.109 χ^2/NDF:14.7/10

+ sign -0.017+/-0.069 χ^2/NDF: 26.1/27

All: -0.048+/-0.048 χ^2/NDF: 67.0/57

- 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: 351.372+/-0.082 χ^2/NDF:417490.0/11

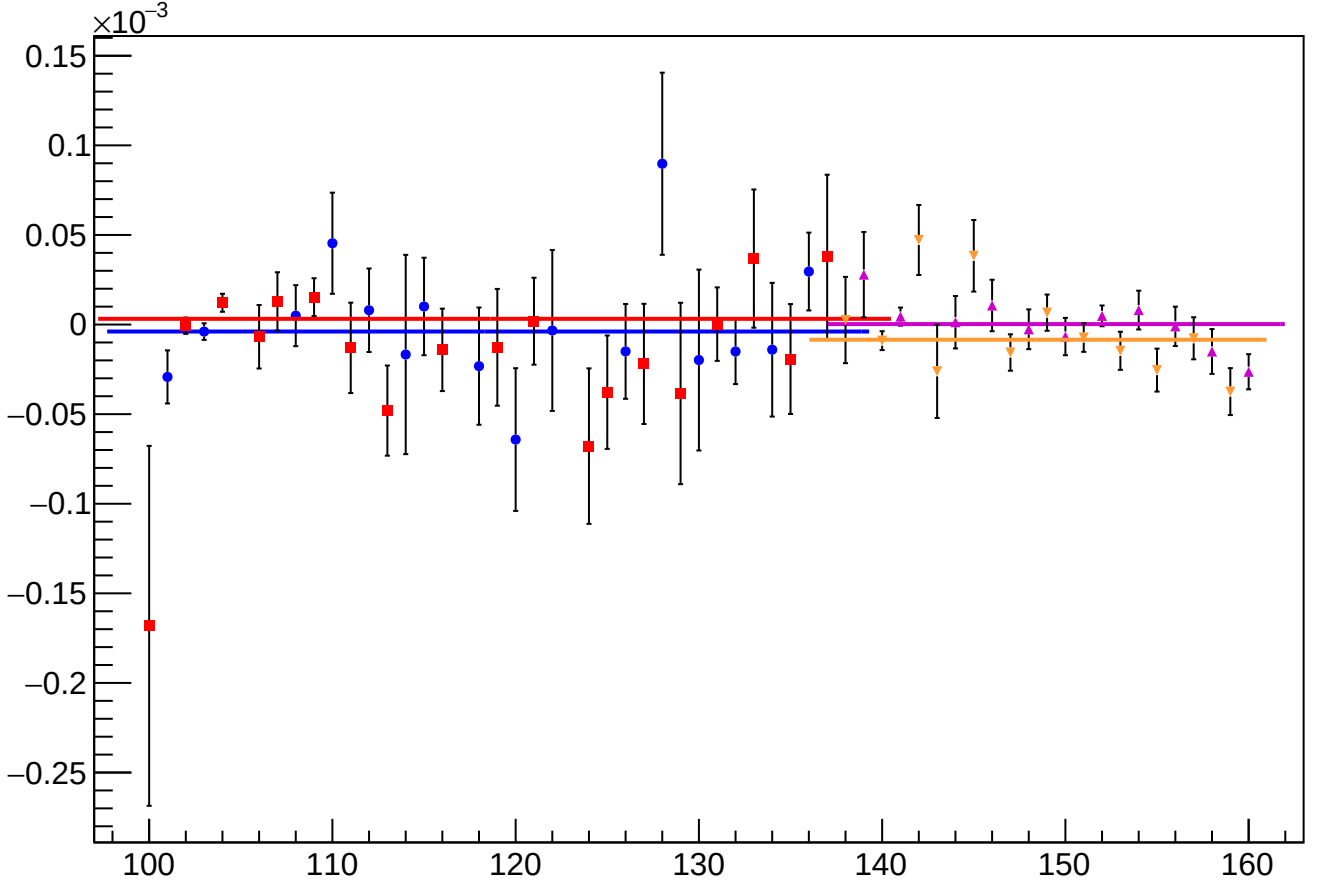
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 330.309+/-0.077 χ^2/NDF:296694.7/10

+ sign 263.260+/-0.049 χ^2/NDF: 3341915.0/27

All: 256.489+/-0.034 χ^2/NDF: 7238387.7/57

- 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:24.3/11

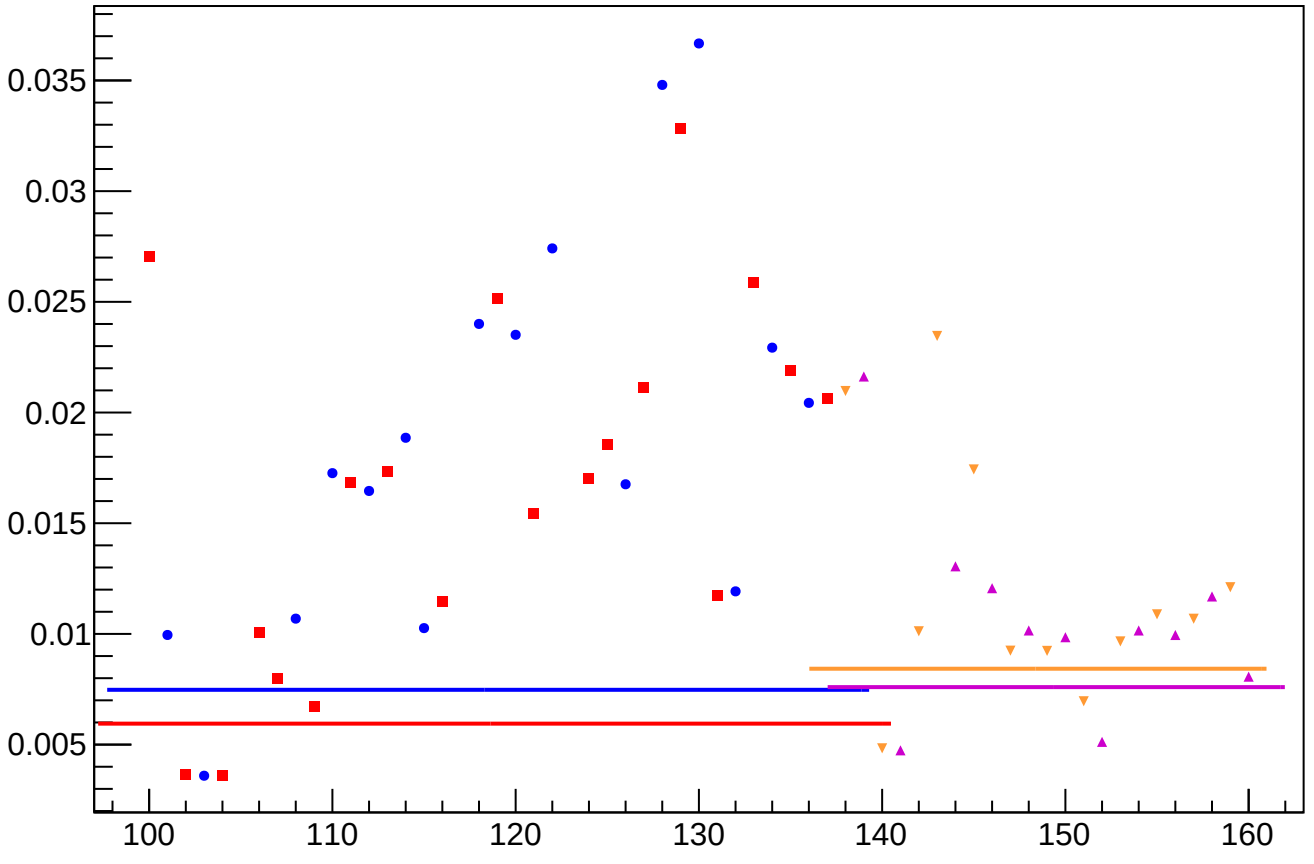
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/10

+ sign -0.000+/-0.000 χ^2/NDF: 41.1/27

All: -0.000+/-0.000 χ^2/NDF: 83.6/57

- 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:2997561.8/11

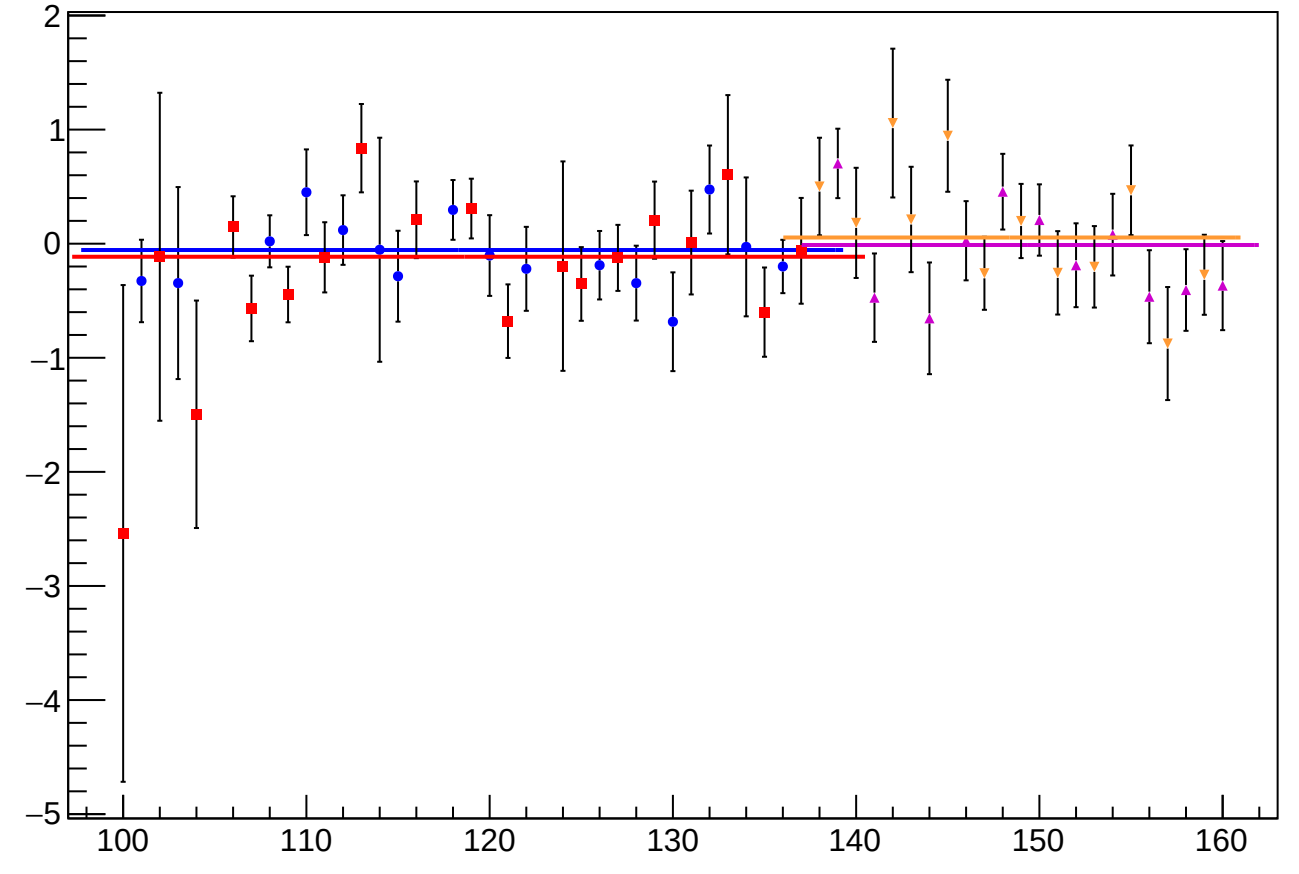
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:2794396.8/10

+ sign 0.008+/-0.000 χ^2/NDF: 9150648.3/27

All: 0.007+/-0.000 χ^2/NDF: 18540876.8/57

- 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: 0.054+/-0.116 χ^2/NDF:14.8/11

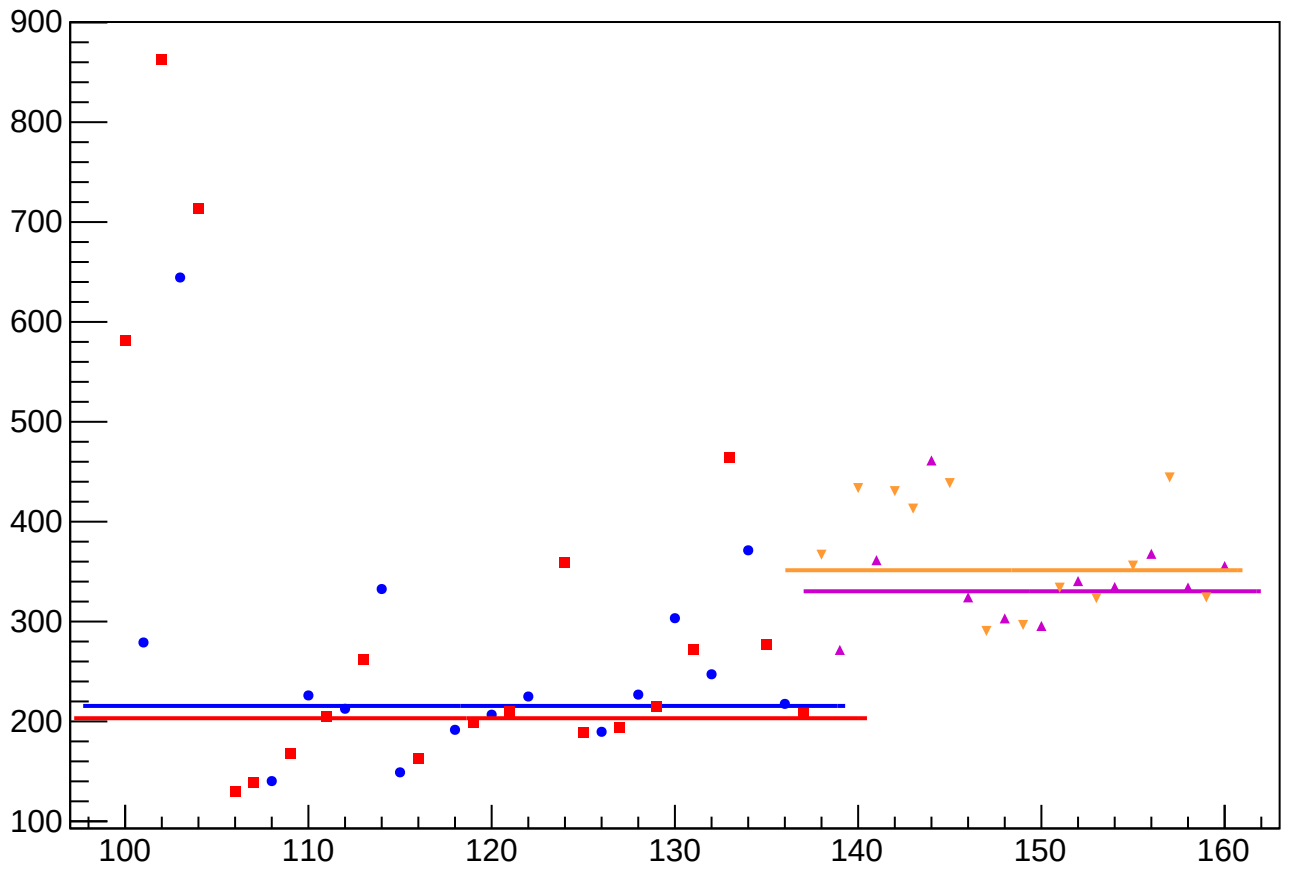
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.011+/-0.109 χ^2/NDF:14.7/10

+ sign -0.017+/-0.069 χ^2/NDF: 26.1/27

All: -0.048+/-0.048 χ^2/NDF: 67.0/57

- 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: 351.377+/-0.082 χ^2/NDF:417478.4/11

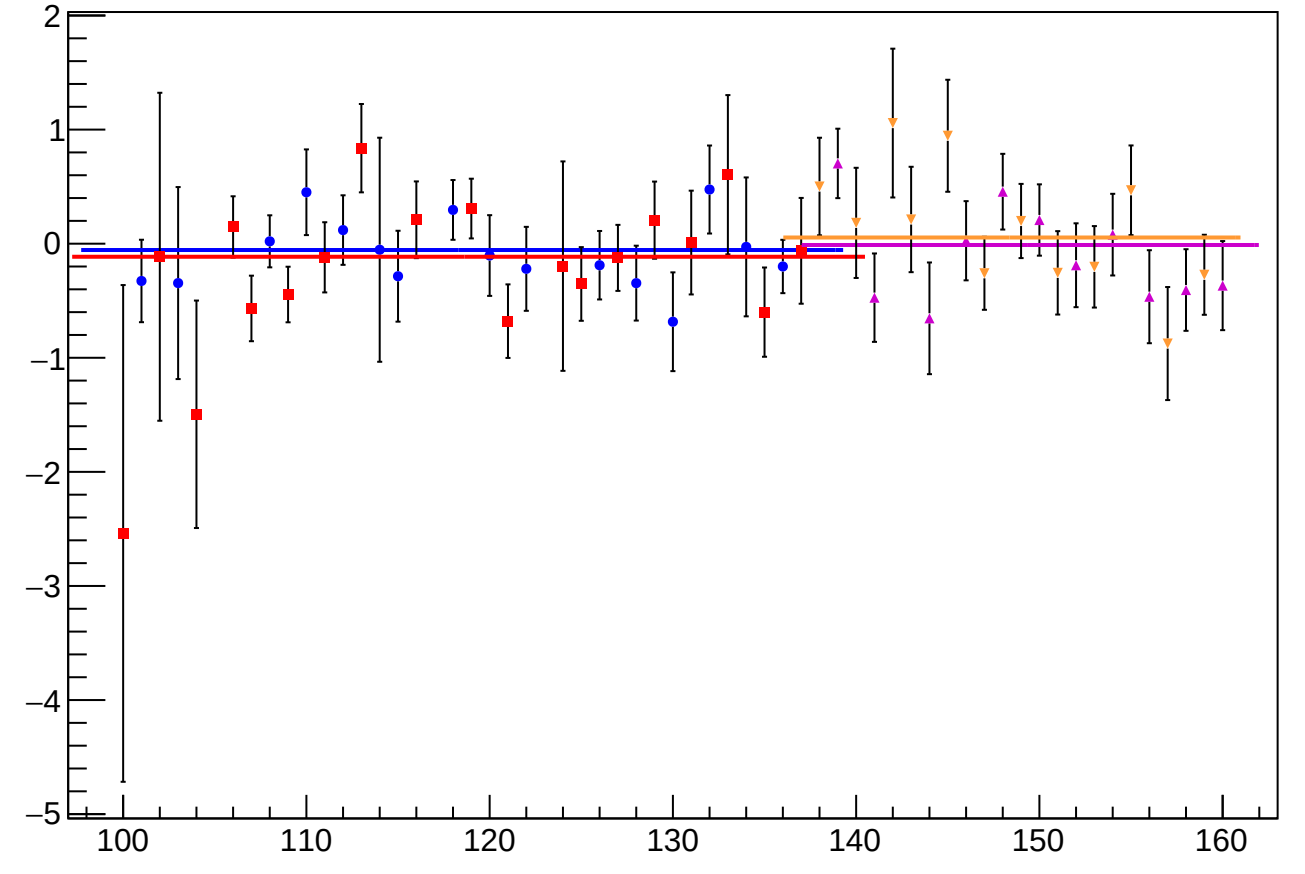
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 330.314+/-0.077 χ^2/NDF:296680.6/10

+ sign 263.260+/-0.049 χ^2/NDF: 3342016.0/27

All: 256.488+/-0.034 χ^2/NDF: 7238610.3/57

- 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: 0.054+/-0.116 χ^2/NDF:14.8/11

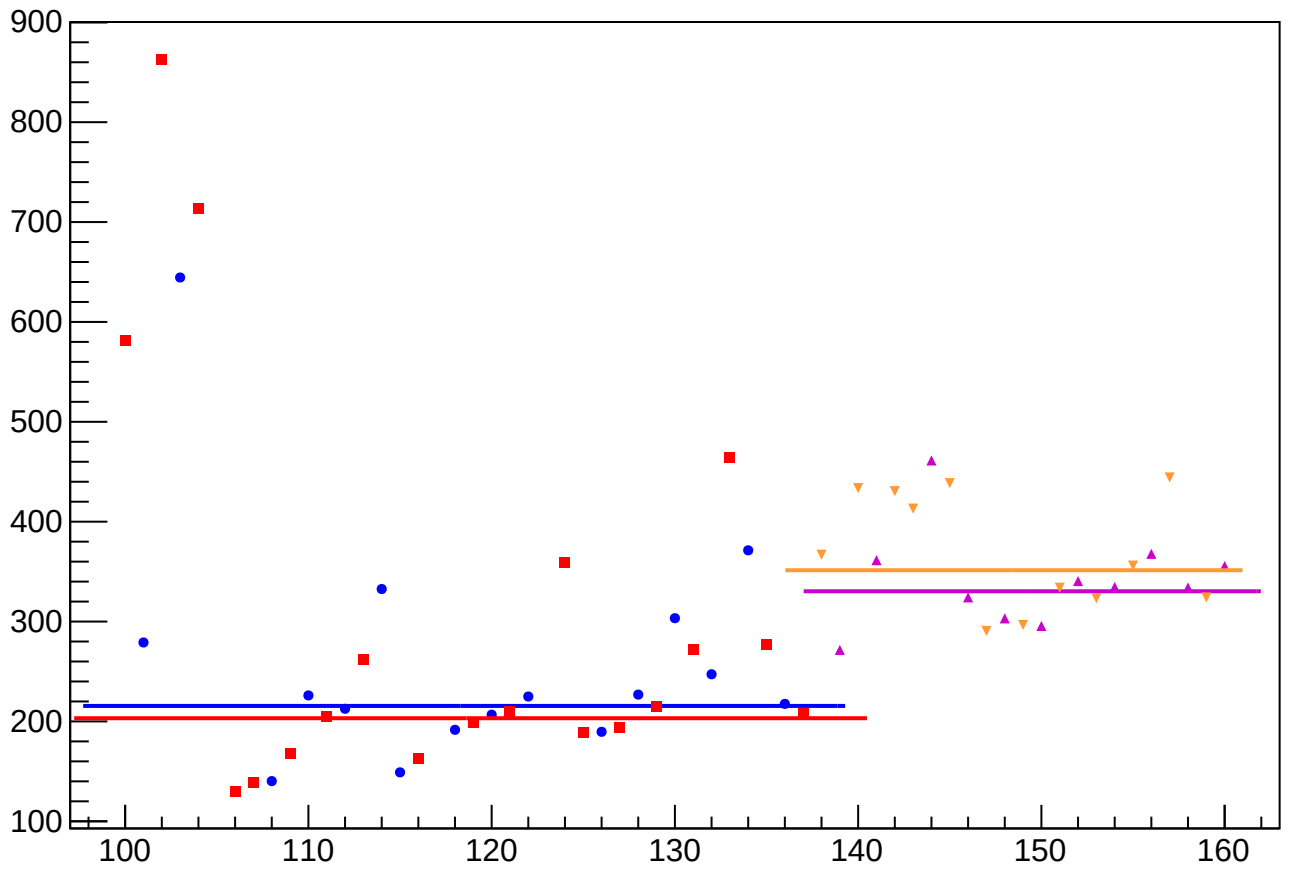
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.011+/-0.109 χ^2/NDF:14.7/10

+ sign -0.017+/-0.069 χ^2/NDF: 26.1/27

All: -0.048+/-0.048 χ^2/NDF: 67.0/57

- 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: 351.377+/-0.082 χ^2/NDF:417478.4/11

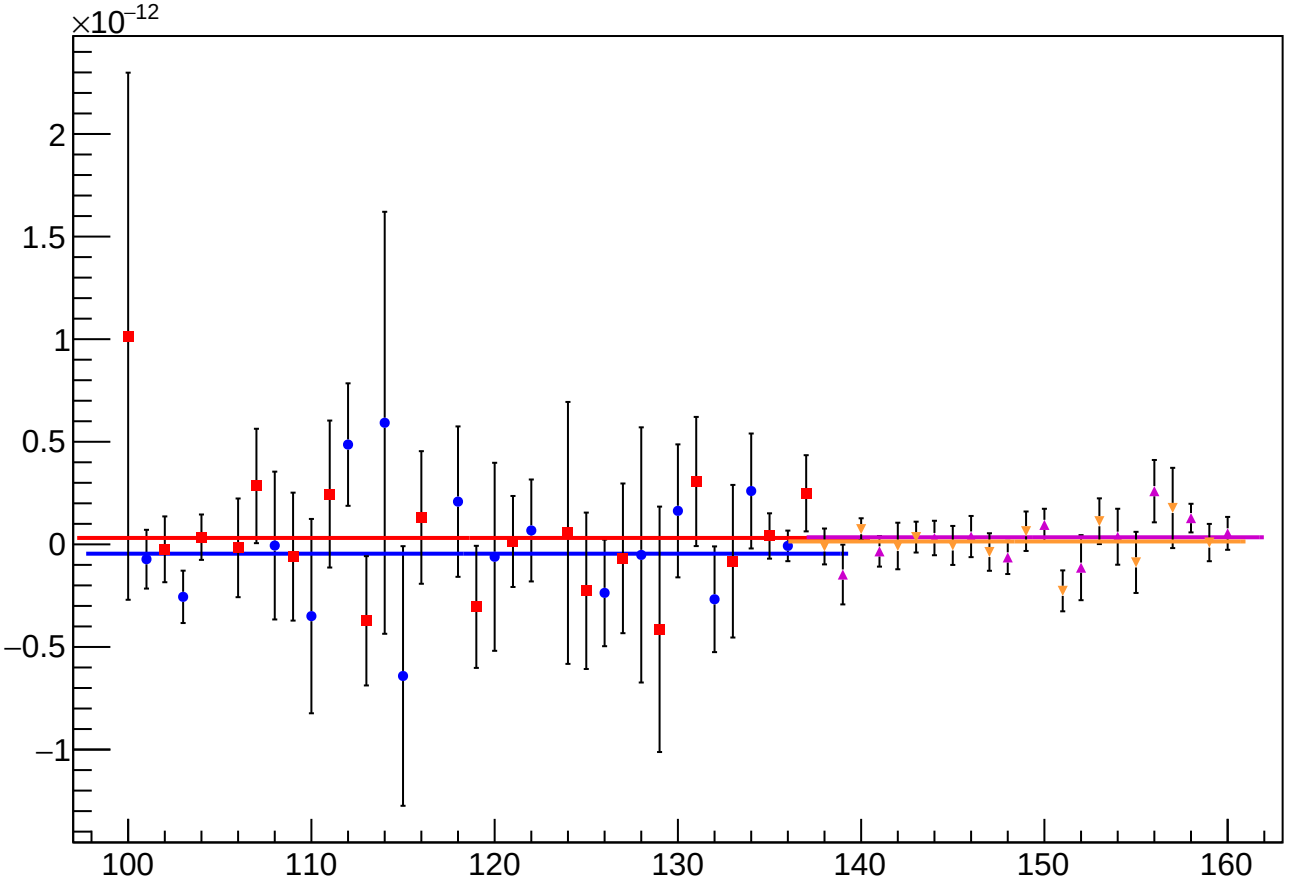
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 330.314+/-0.077 χ^2/NDF:296680.6/10

+ sign 263.260+/-0.049 χ^2/NDF: 3342016.0/27

All: 256.488+/-0.034 χ^2/NDF: 7238610.3/57

- 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:9.9/11

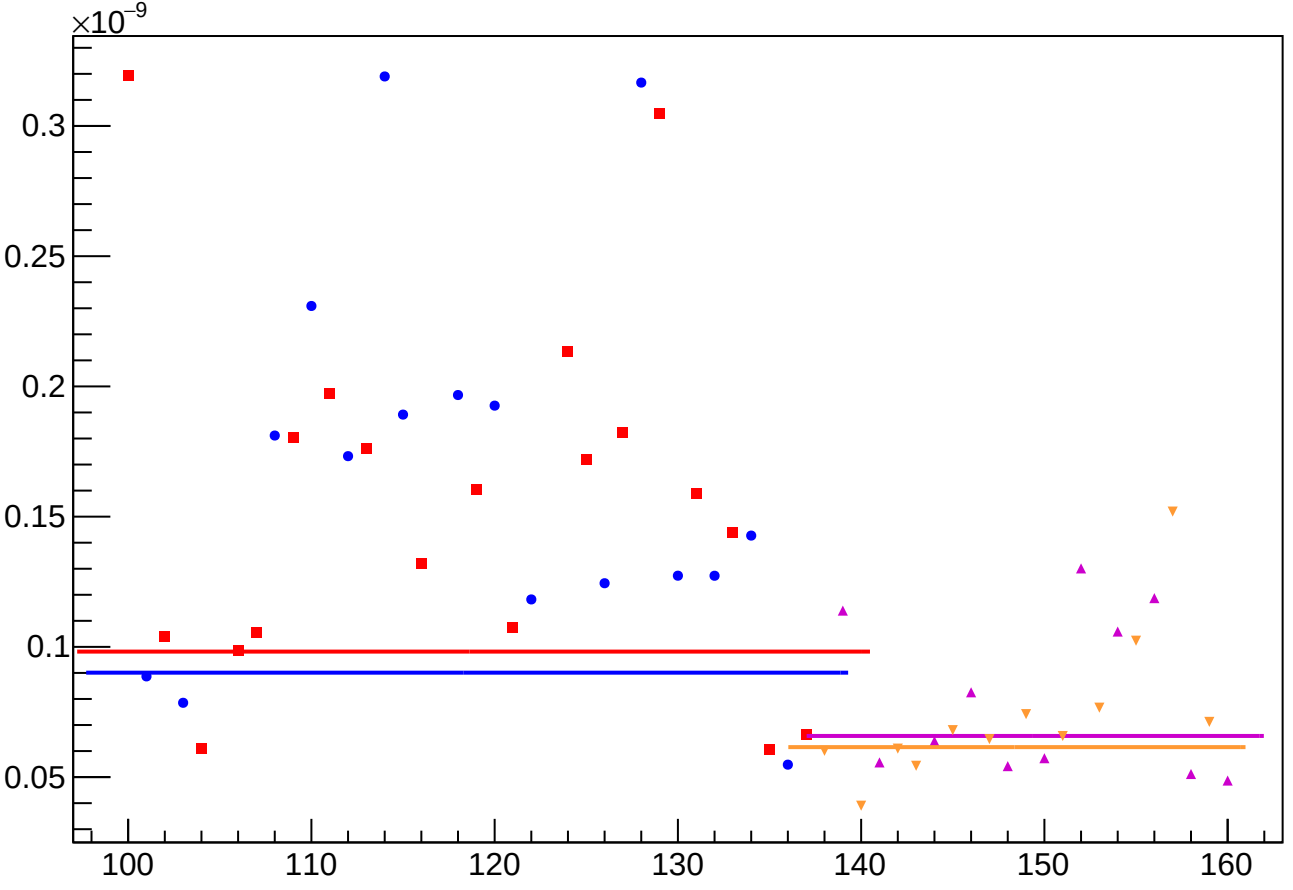
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 22.5/27

All: 0.000+/-0.000 χ^2/NDF: 41.1/57

- 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:1065772.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

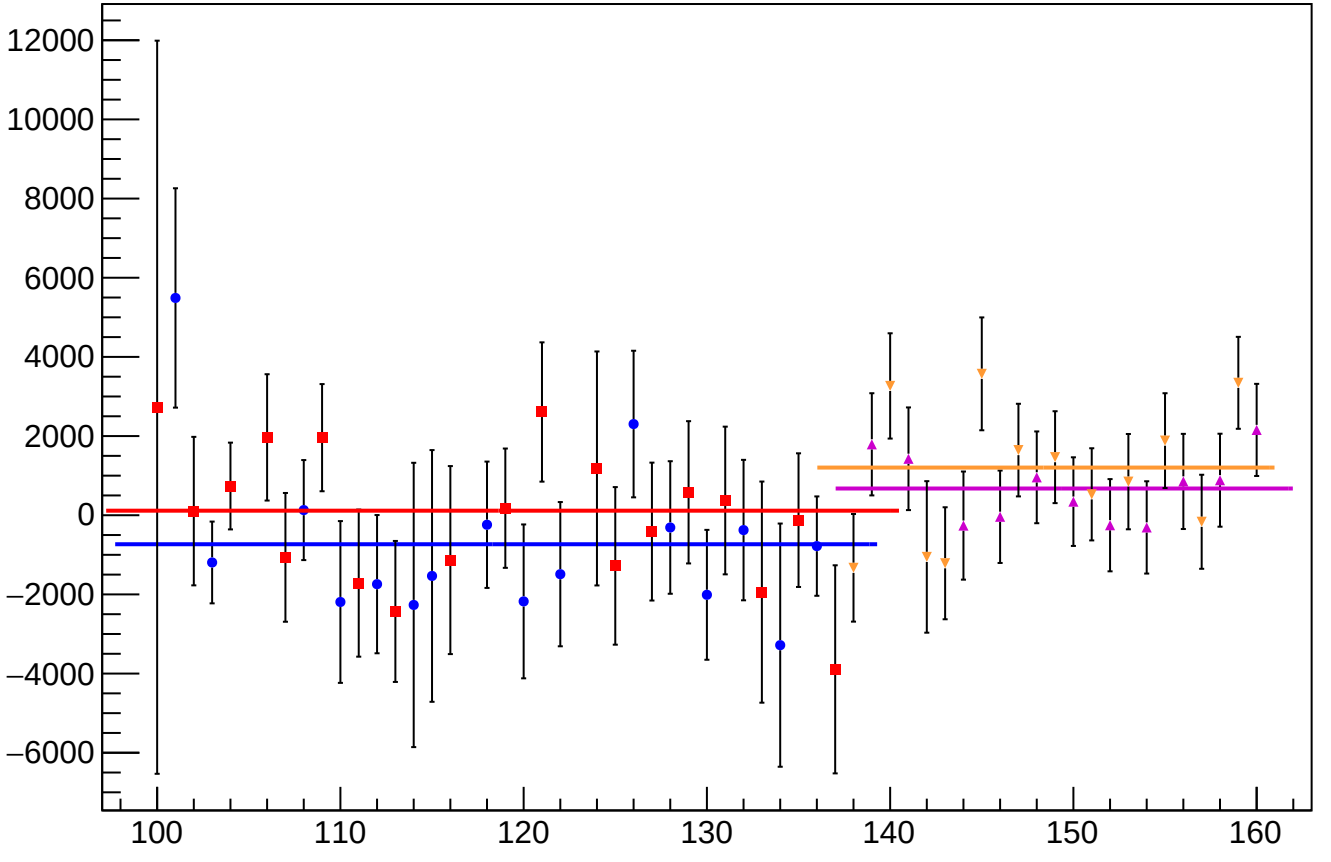
Left In: 0.000+/-0.000 χ^2/NDF:1300833.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 3386816.6/27

All: 0.000+/-0.000 χ^2/NDF: 7032905.6/57

- 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: 1204.232+/-367.154 χ^2/NDF:18.6/11

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

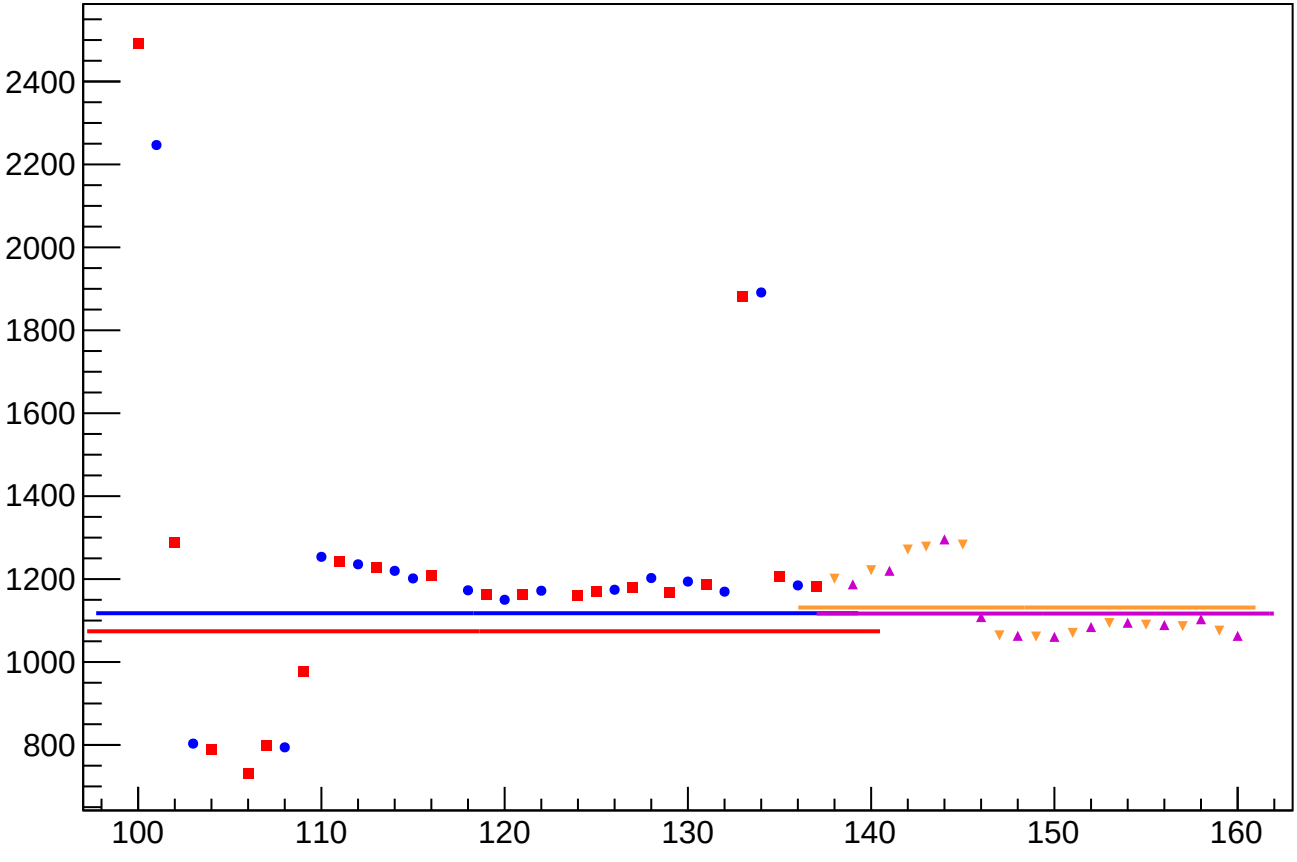
Left In: 675.108+/-361.911 χ^2/NDF:5.1/10

+ sign 381.738+/-278.498 χ^2/NDF: 42.1/27

All: 406.869+/-194.495 χ^2/NDF: 61.4/57

- 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: 1131.445+/-0.260 χ^2/NDF:100474.9/11

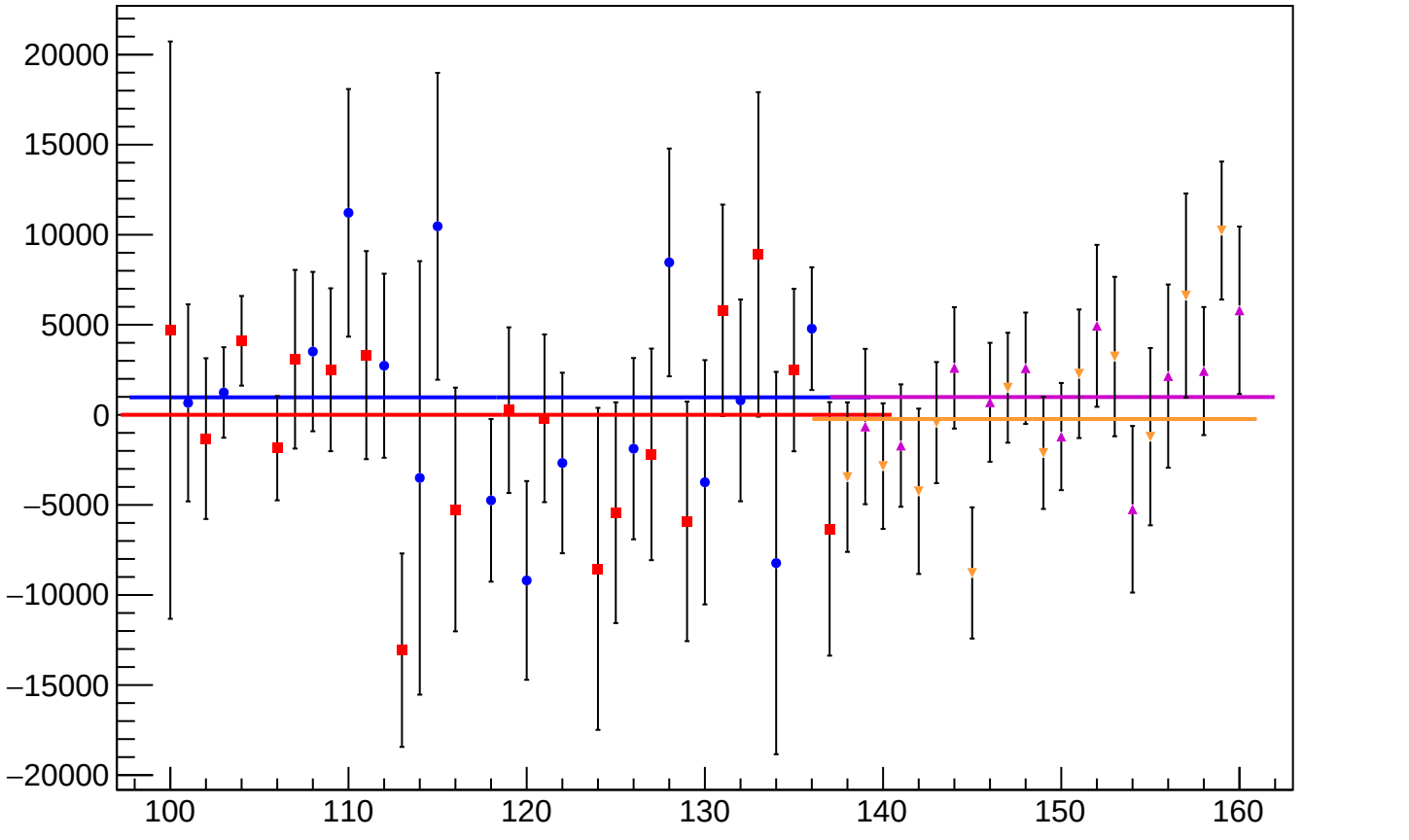
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1116.859+/-0.256 χ^2/NDF:70245.0/10

+ sign 1125.602+/-0.197 χ^2/NDF: 921503.1/27

All: 1111.439+/-0.137 χ^2/NDF: 1663582.5/57

- 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: -232.864+/-1096.158 χ^2/NDF:18.2/11

Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

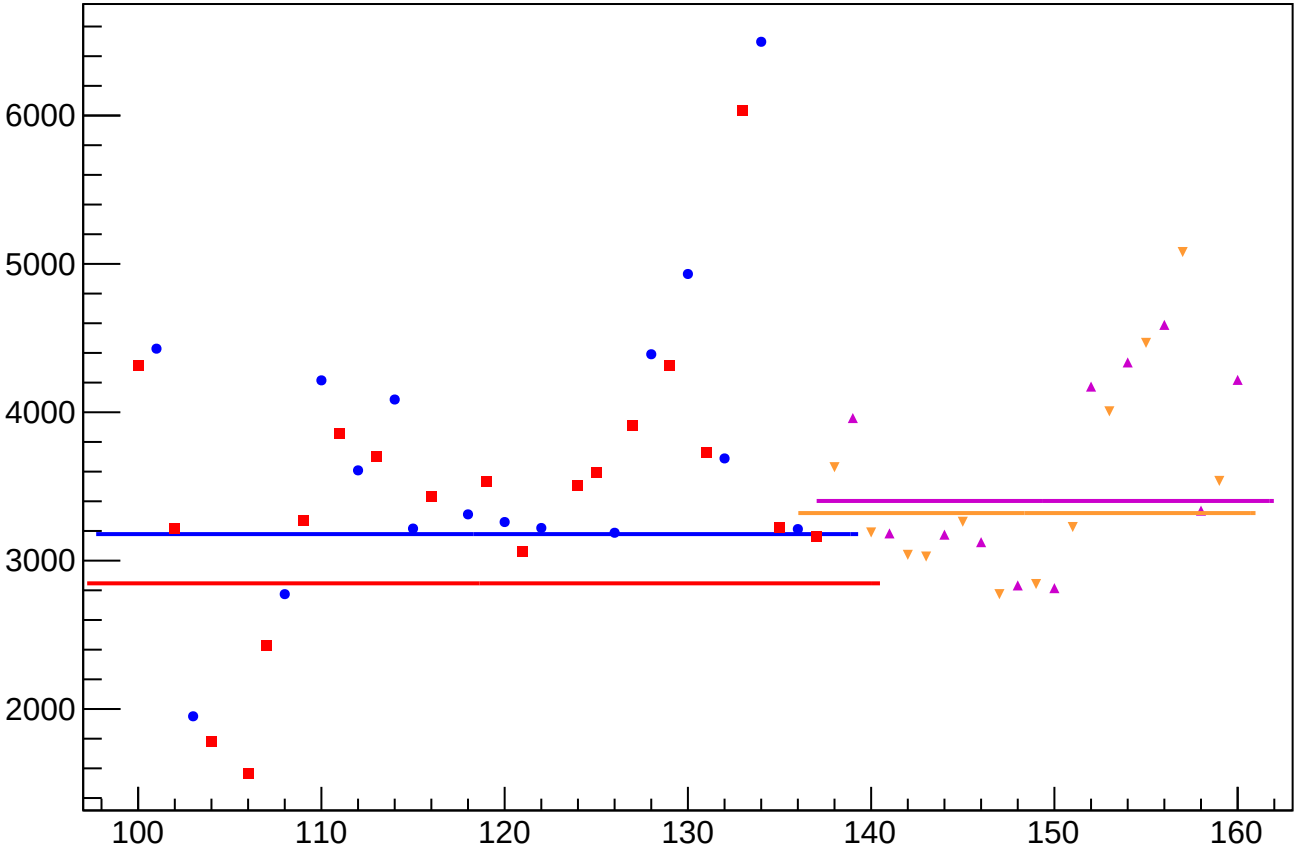
Left In: 989.262+/-1119.349 χ^2/NDF:5.7/10

\+ sign 299.918+/-819.154 χ^2/NDF: 32.5/27

All: 400.354+/-568.479 χ^2/NDF: 55.2/57

\- sign 493.666+/-789.565 χ^2/NDF: 22.7/29

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3320.612+/-0.775 χ^2/NDF:505836.7/11

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

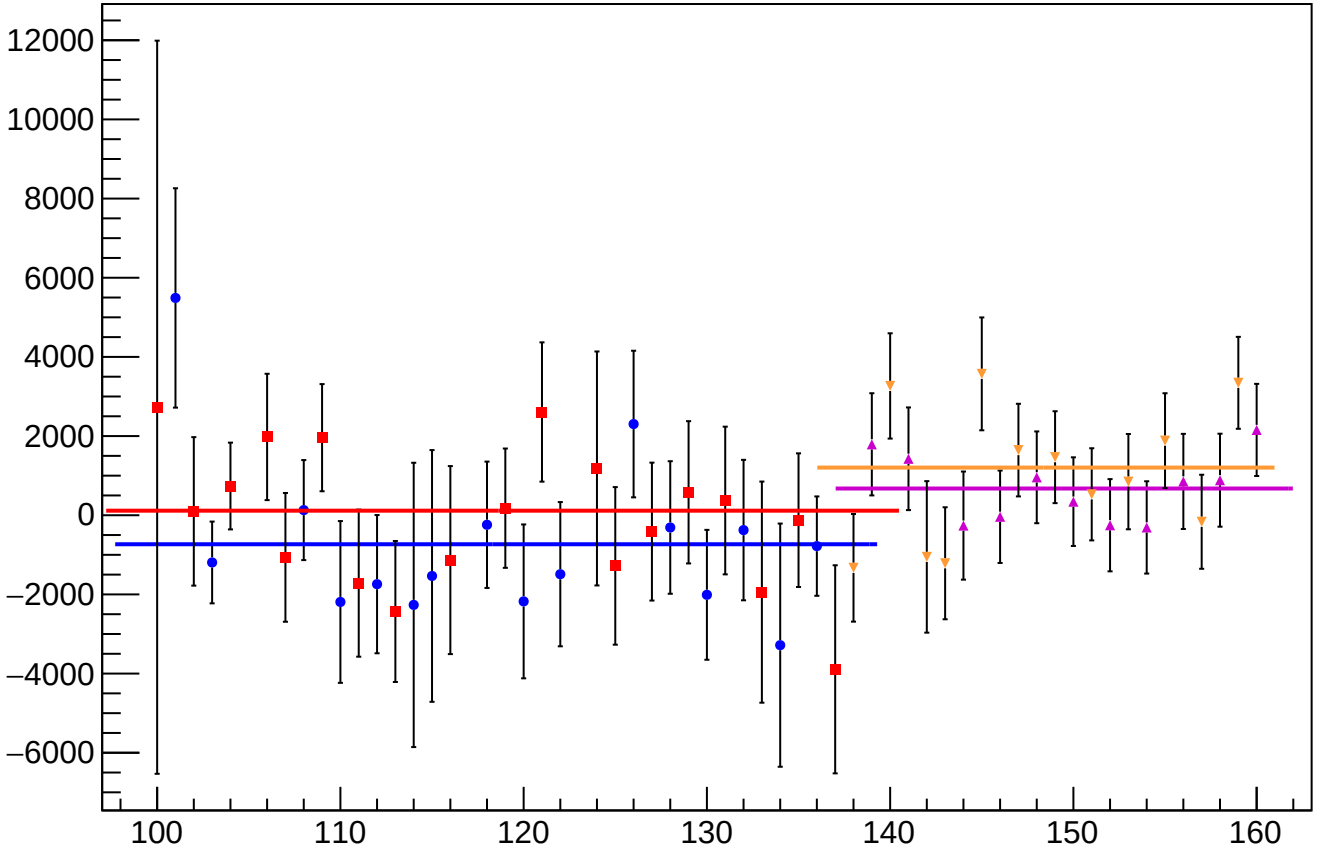
Left In: 3402.260+/-0.791 χ^2/NDF:522455.0/10

+ sign 3258.026+/-0.579 χ^2/NDF: 1612279.5/27

All: 3188.177+/-0.402 χ^2/NDF: 3921207.0/57

- 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: 1204.309+/-367.154 χ^2/NDF:18.6/11

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

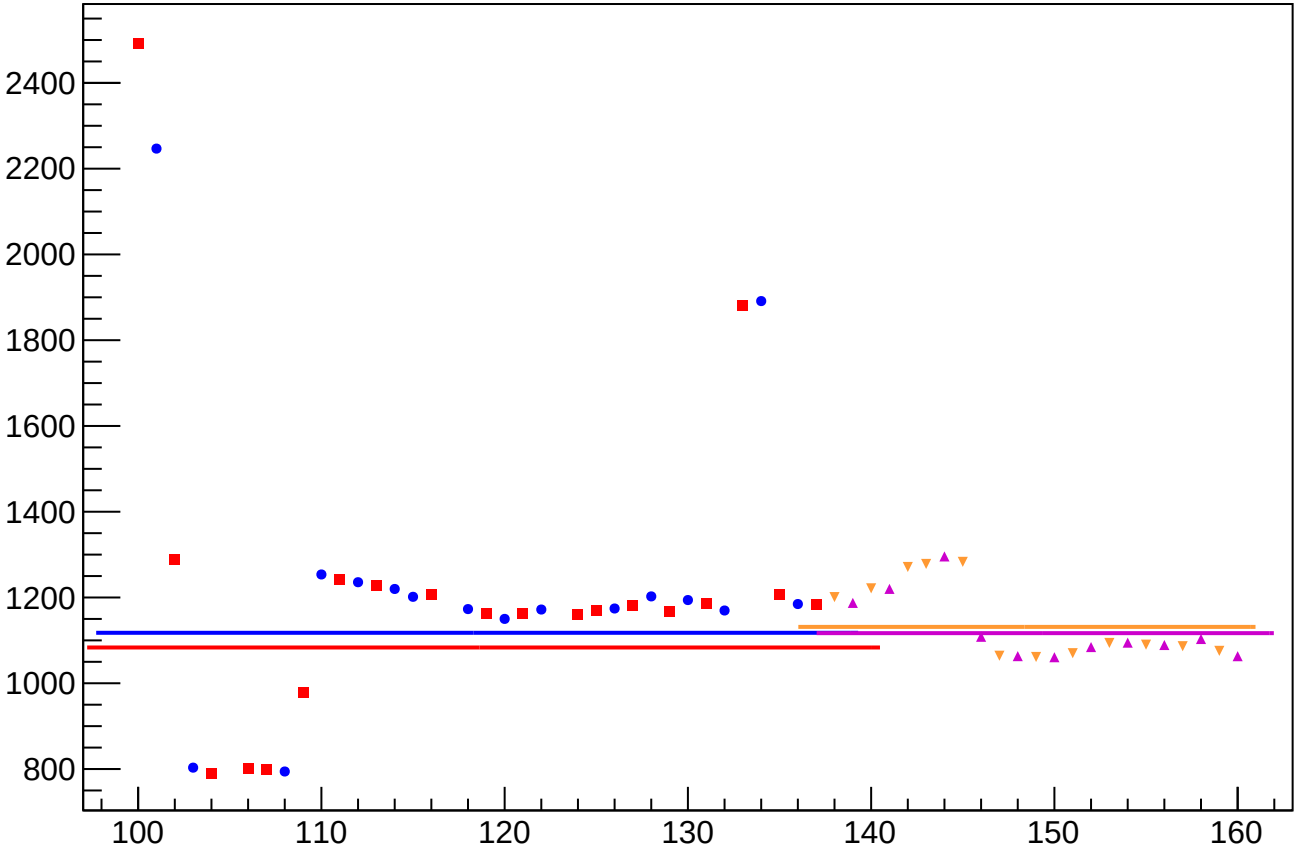
Left In: 675.138+/-361.911 χ^2/NDF:5.1/10

\+ sign 381.810+/-278.498 χ^2/NDF: 42.1/27

All: 406.974+/-194.496 χ^2/NDF: 61.4/57

\- 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: 1131.445+/-0.260 χ^2/NDF:100474.9/11

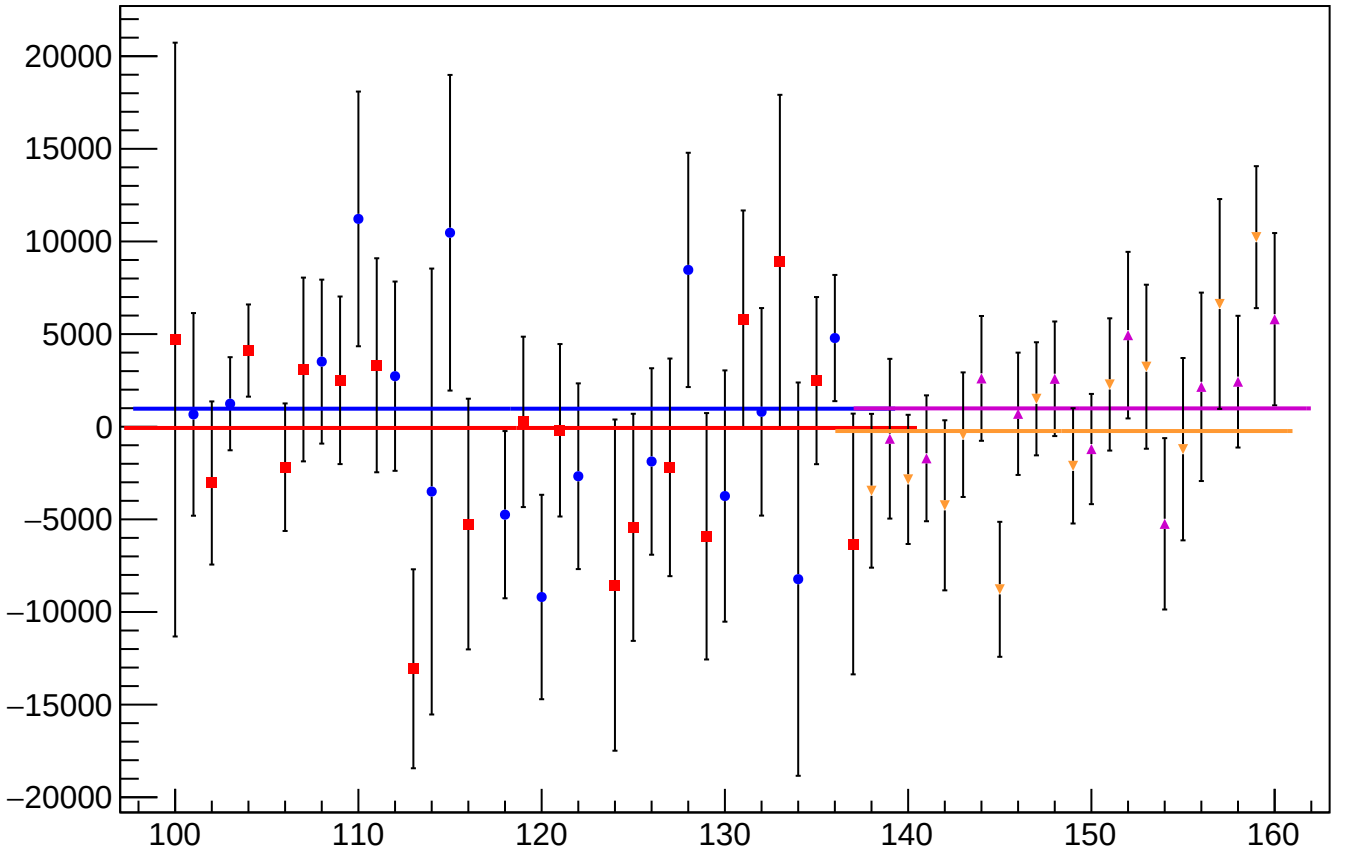
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1116.859+/-0.256 χ^2/NDF:70245.0/10

+ sign 1125.602+/-0.197 χ^2/NDF: 921499.6/27

All: 1113.625+/-0.137 χ^2/NDF: 1601439.5/57

- 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: -232.859+/-1096.157 χ^2/NDF:18.2/11

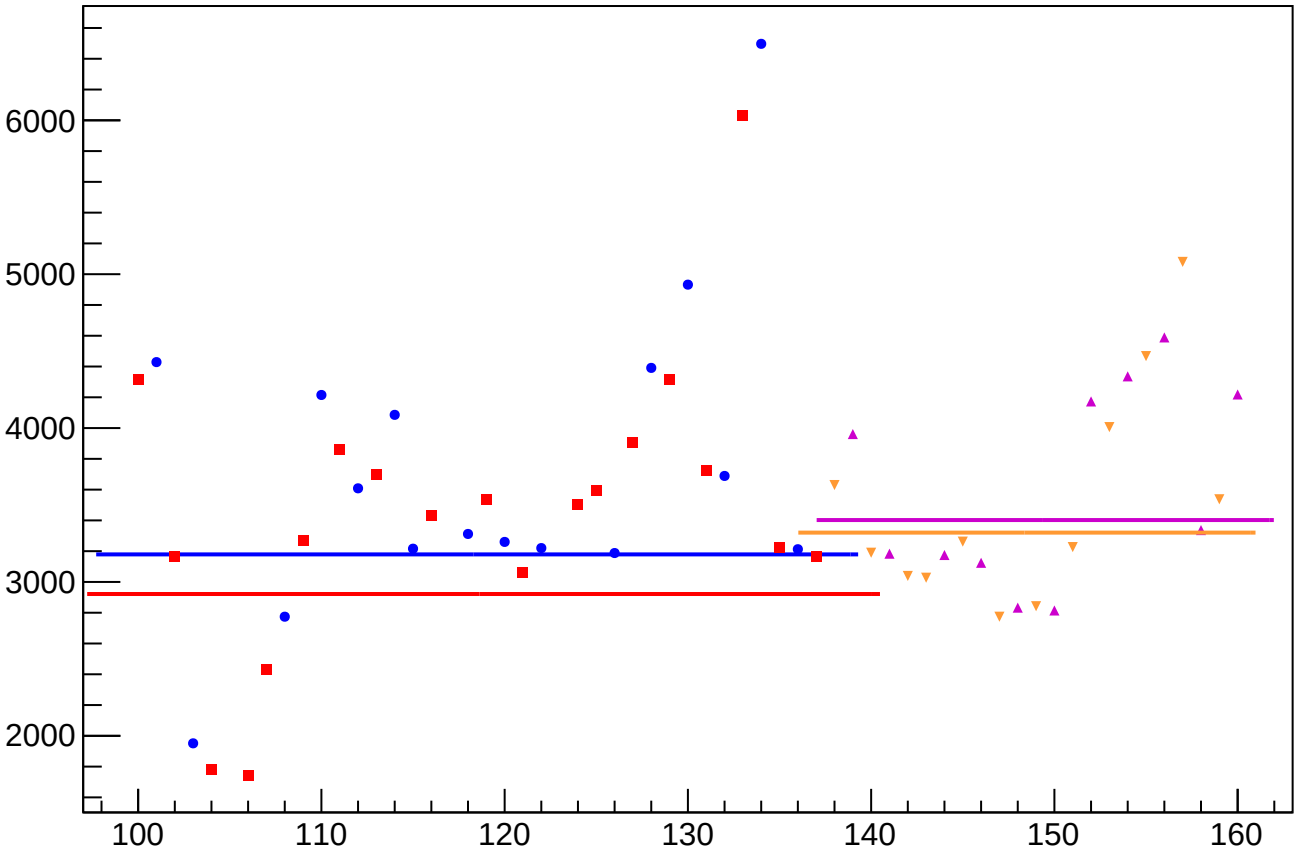
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 989.289+/-1119.349 χ^2/NDF:5.7/10

+ sign 299.675+/-819.168 χ^2/NDF: 32.5/27

All: 386.950+/-571.599 χ^2/NDF: 55.6/57

- 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: 3320.608+/-0.775 χ^2/NDF:505838.8/11

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

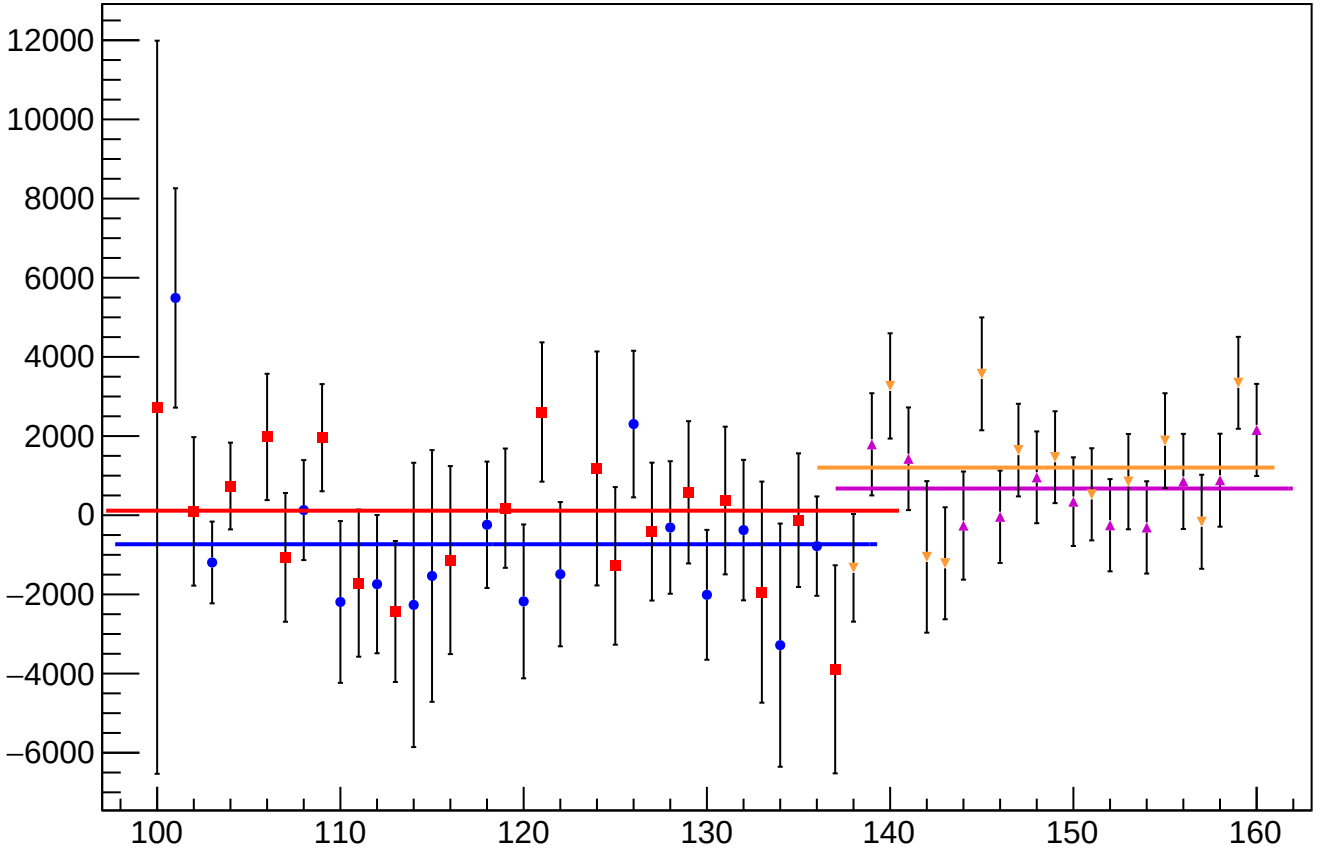
Left In: 3402.260+/-0.791 χ^2/NDF:522457.7/10

+ sign 3258.108+/-0.579 χ^2/NDF: 1611801.4/27

All: 3210.795+/-0.404 χ^2/NDF: 3641485.0/57

- 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: 1204.309+/-367.154 χ^2/NDF:18.6/11

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

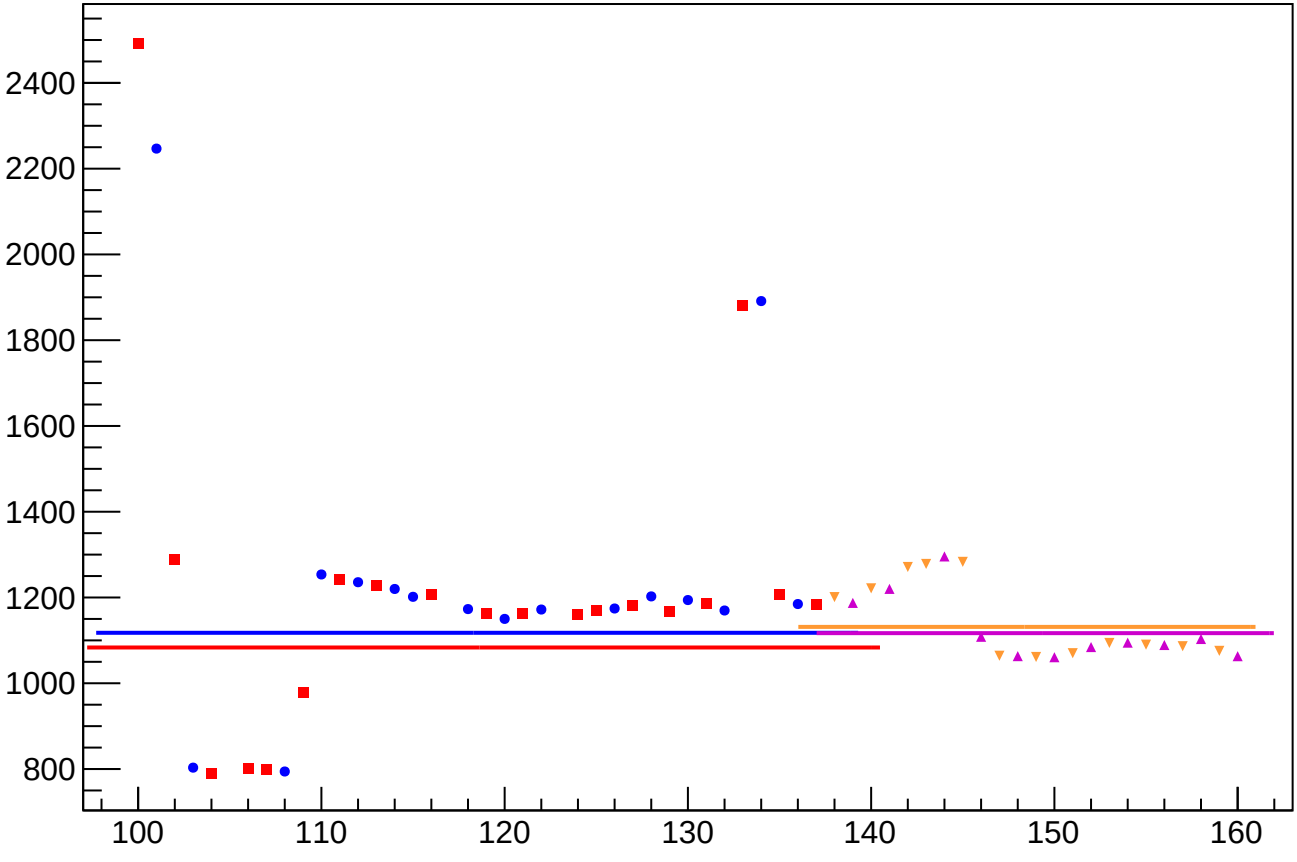
Left In: 675.138+/-361.911 χ^2/NDF:5.1/10

\+ sign 381.810+/-278.498 χ^2/NDF: 42.1/27

All: 406.974+/-194.496 χ^2/NDF: 61.4/57

\- 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: 1131.445+/-0.260 χ^2/NDF:100474.9/11

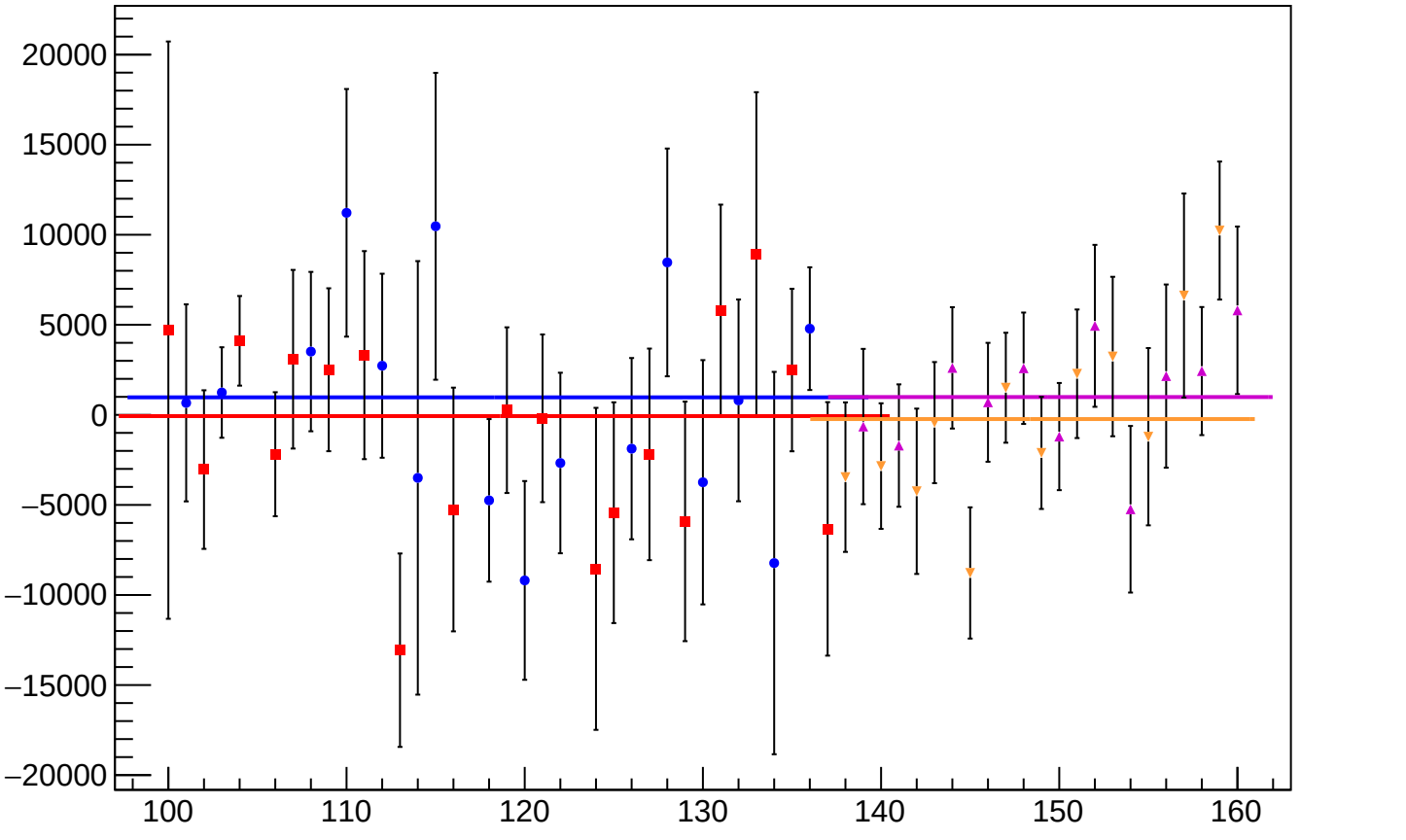
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1116.859+/-0.256 χ^2/NDF:70245.0/10

+ sign 1125.602+/-0.197 χ^2/NDF: 921499.6/27

All: 1113.625+/-0.137 χ^2/NDF: 1601439.5/57

- 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: -232.859+/-1096.157 χ^2/NDF:18.2/11

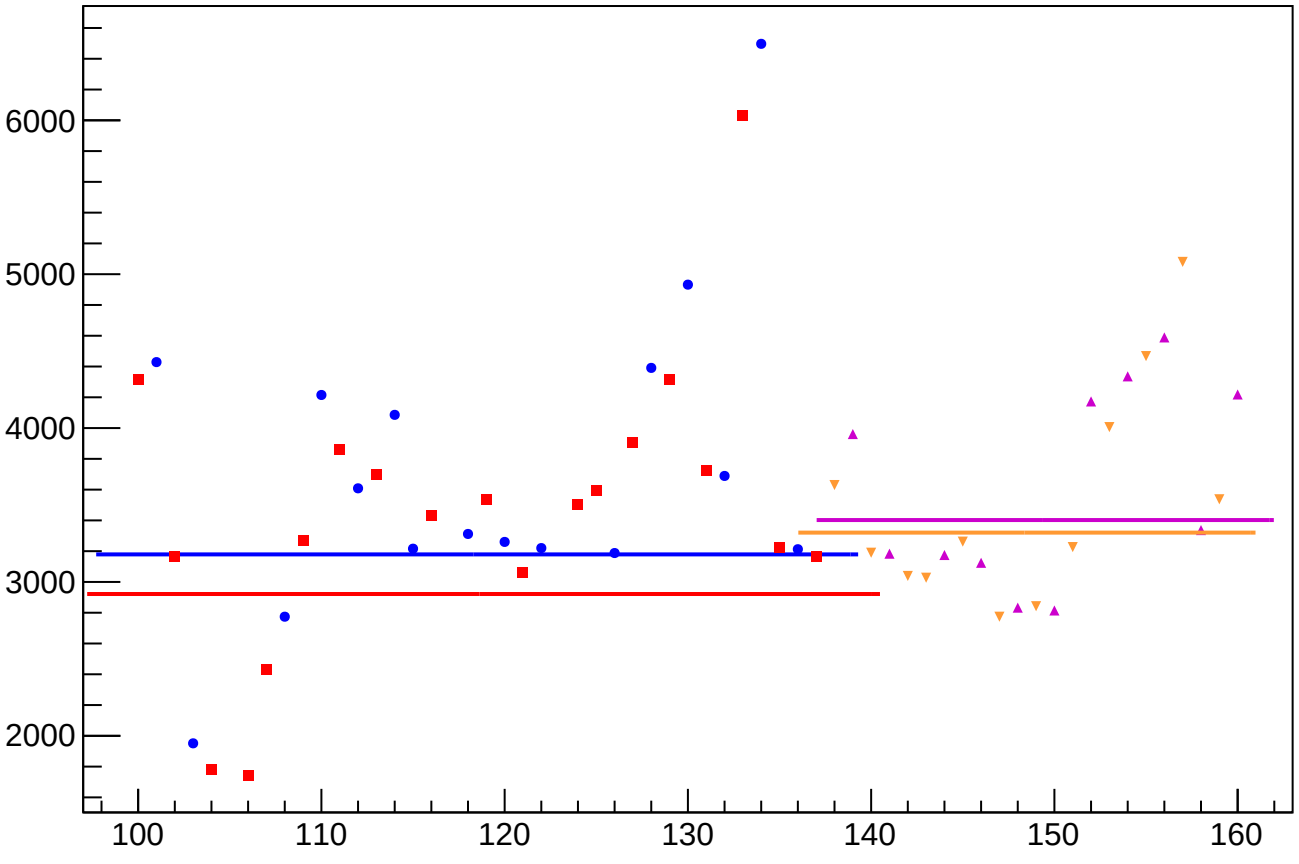
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 989.289+/-1119.349 χ^2/NDF:5.7/10

+ sign 299.675+/-819.168 χ^2/NDF: 32.5/27

All: 386.950+/-571.599 χ^2/NDF: 55.6/57

- 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: 3320.608+/-0.775 χ^2/NDF:505838.8/11

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

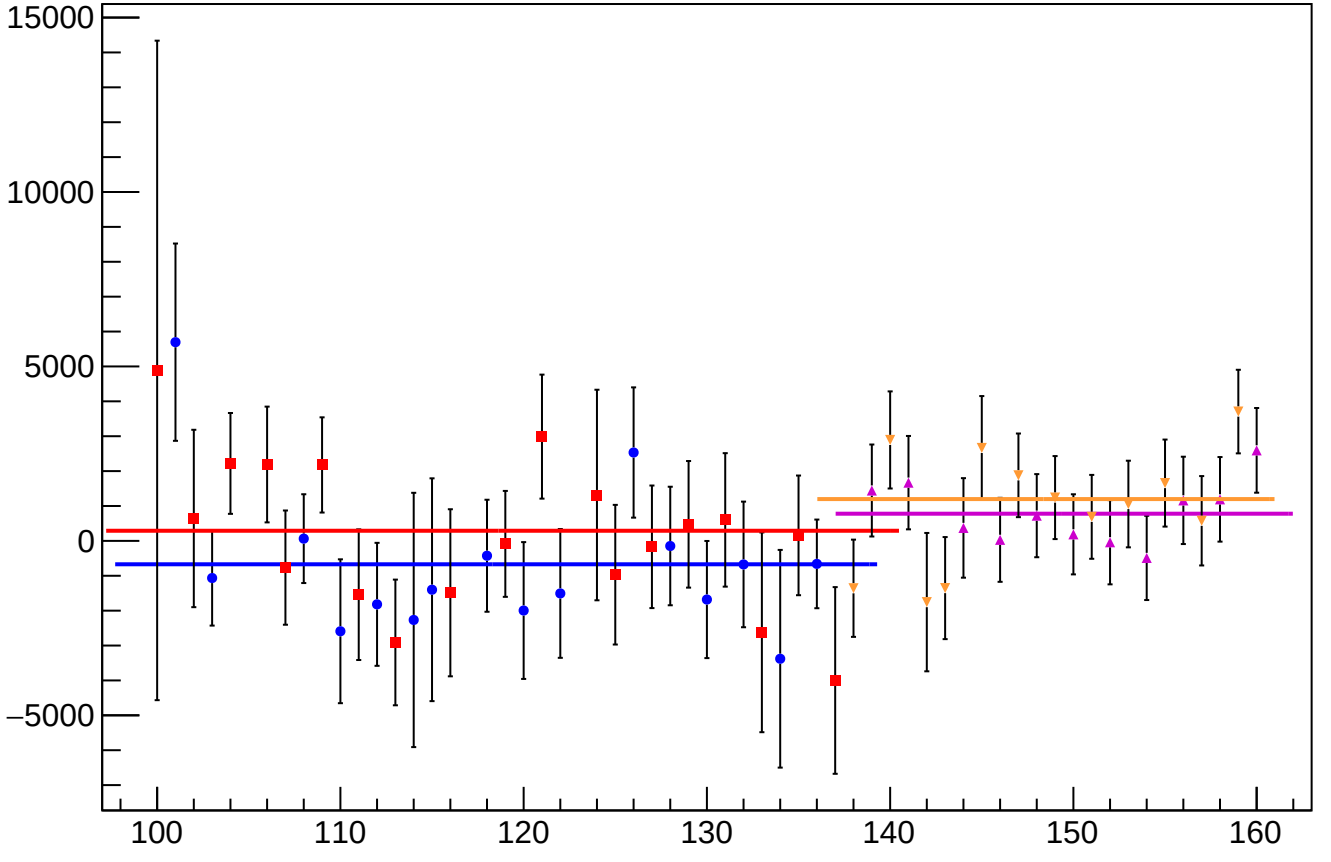
Left In: 3402.260+/-0.791 χ^2/NDF:522457.7/10

+ sign 3258.108+/-0.579 χ^2/NDF: 1611801.4/27

All: 3210.795+/-0.404 χ^2/NDF: 3641485.0/57

- 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: 1198.315+/-380.775 χ^2/NDF:16.3/11

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

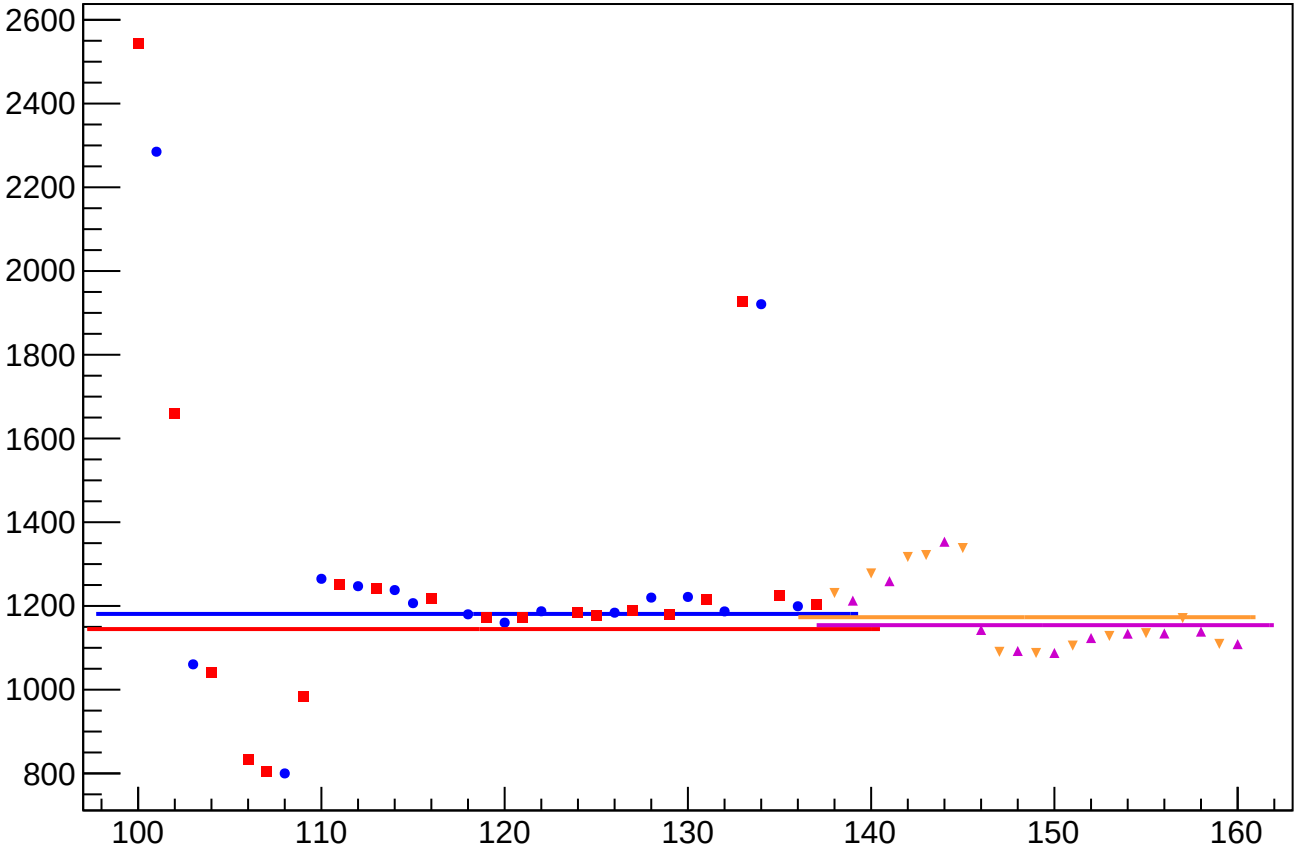
Left In: 779.008+/-374.027 χ^2/NDF:5.4/10

\+ sign 415.384+/-290.271 χ^2/NDF: 38.3/27

All: 495.026+/-202.796 χ^2/NDF: 61.6/57

\- 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: 1173.133+/-0.269 χ^2/NDF:106883.1/11

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

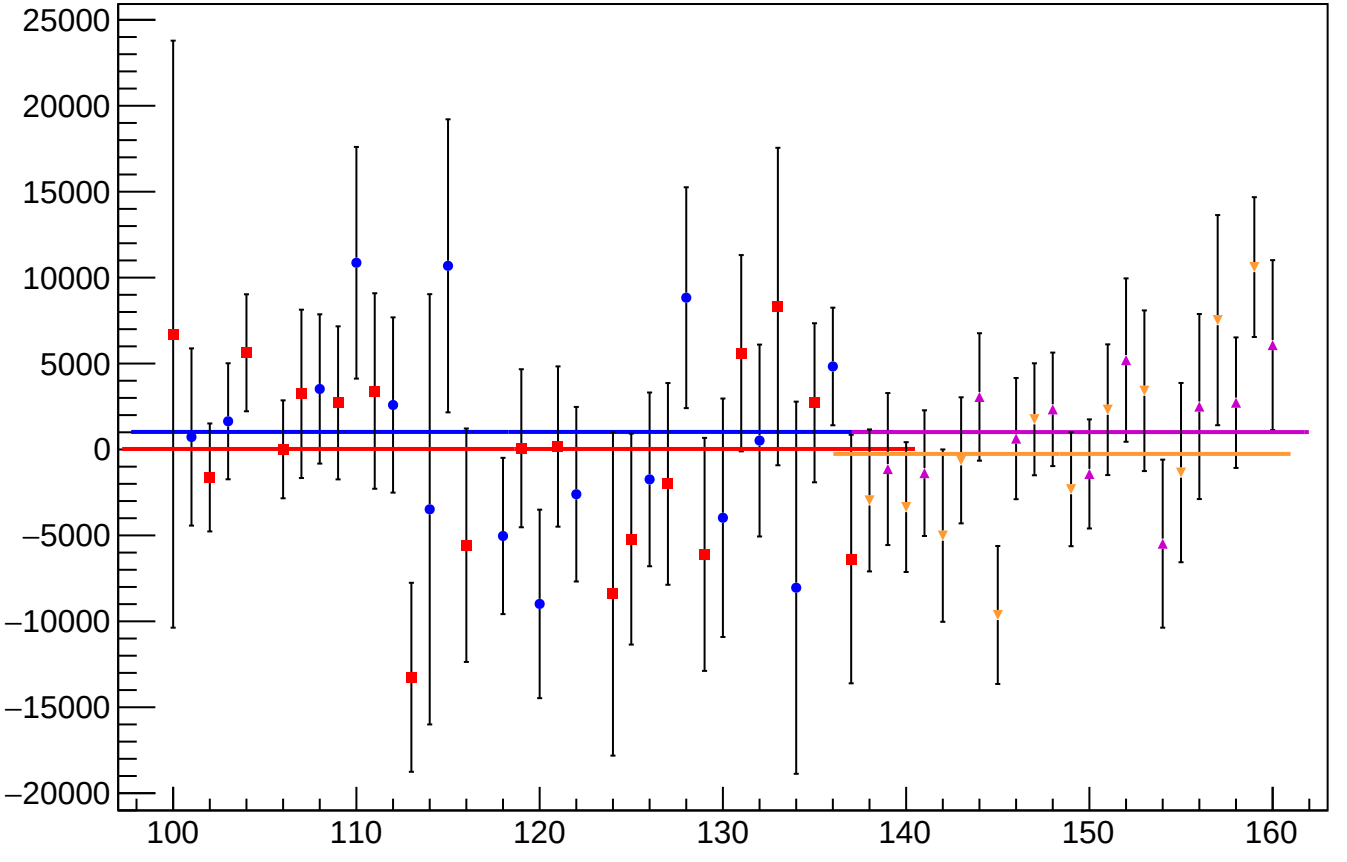
Left In: 1154.107+/-0.264 χ^2/NDF:73011.5/10

+ sign 1176.409+/-0.205 χ^2/NDF: 729115.3/27

All: 1162.956+/-0.143 χ^2/NDF: 1308778.7/57

- 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: -257.466+/-1171.319 χ^2/NDF:18.1/11

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

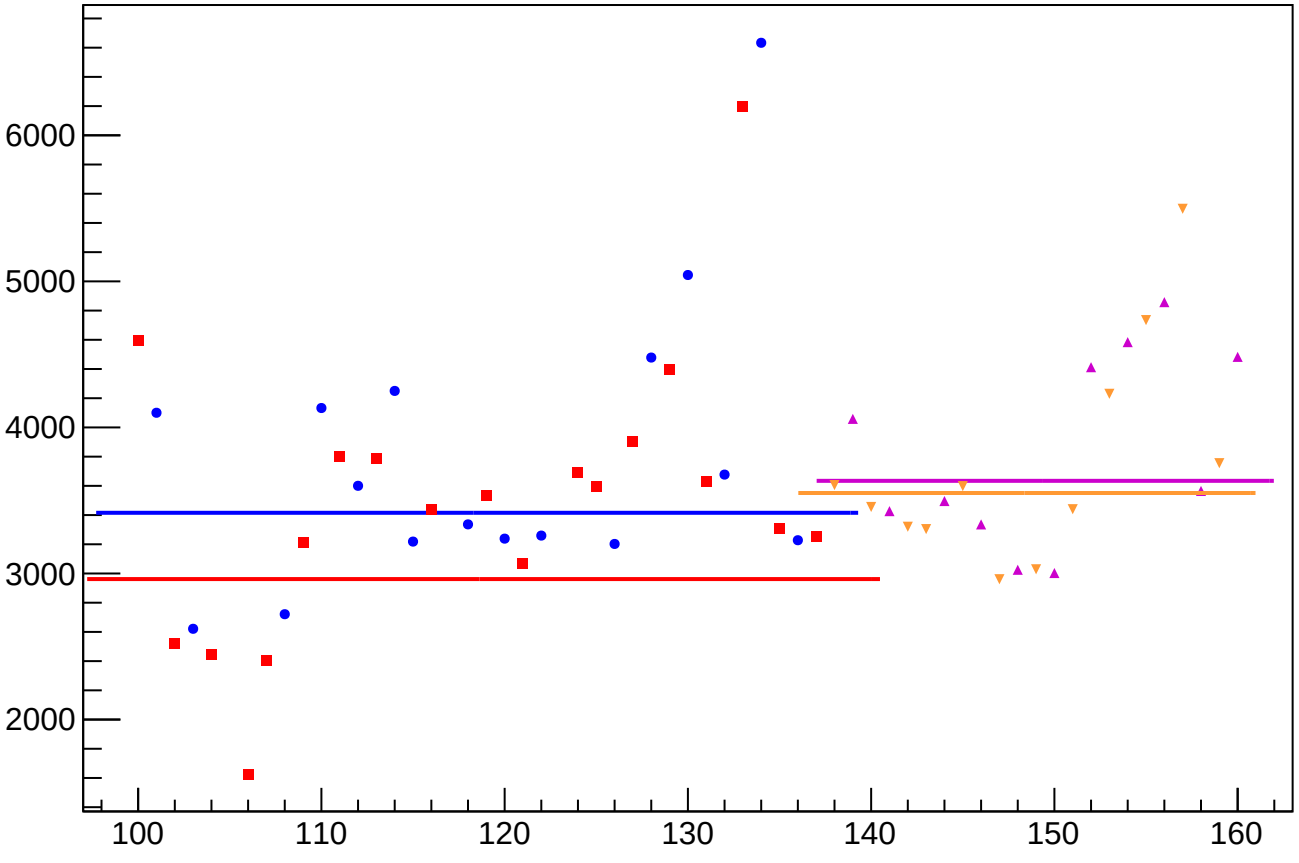
Left In: 1012.177+/-1194.551 χ^2/NDF:5.6/10

+ sign 314.218+/-870.924 χ^2/NDF: 32.5/27

All: 409.509+/-597.477 χ^2/NDF: 54.6/57

- 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: 3551.116+/-0.828 χ^2/NDF:485066.5/11

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

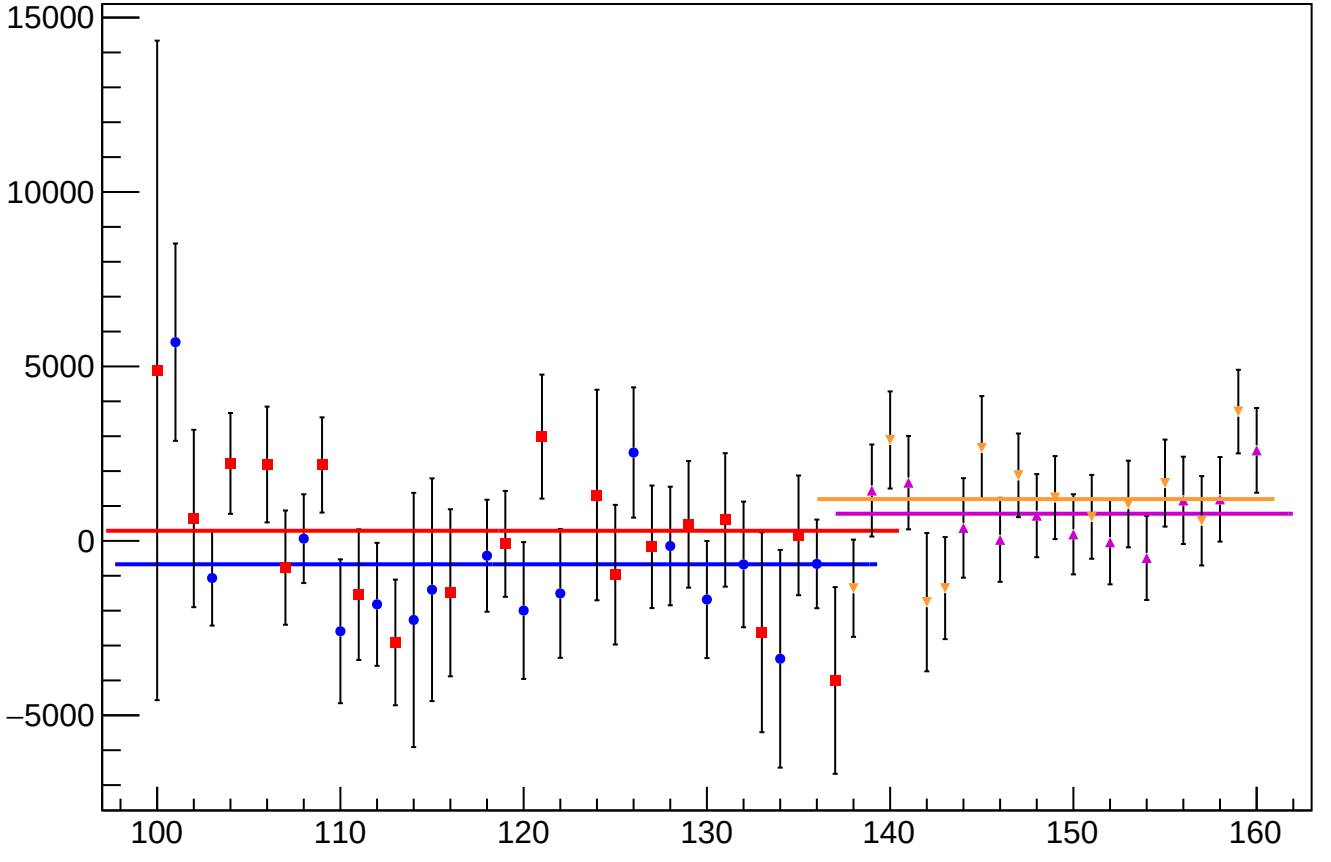
Left In: 3634.363+/-0.845 χ^2/NDF:480930.6/10

+ sign 3490.518+/-0.616 χ^2/NDF: 1089381.9/27

All: 3378.885+/-0.422 χ^2/NDF: 3136026.3/57

- 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: 1198.321+/-380.775 χ^2/NDF:16.3/11

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

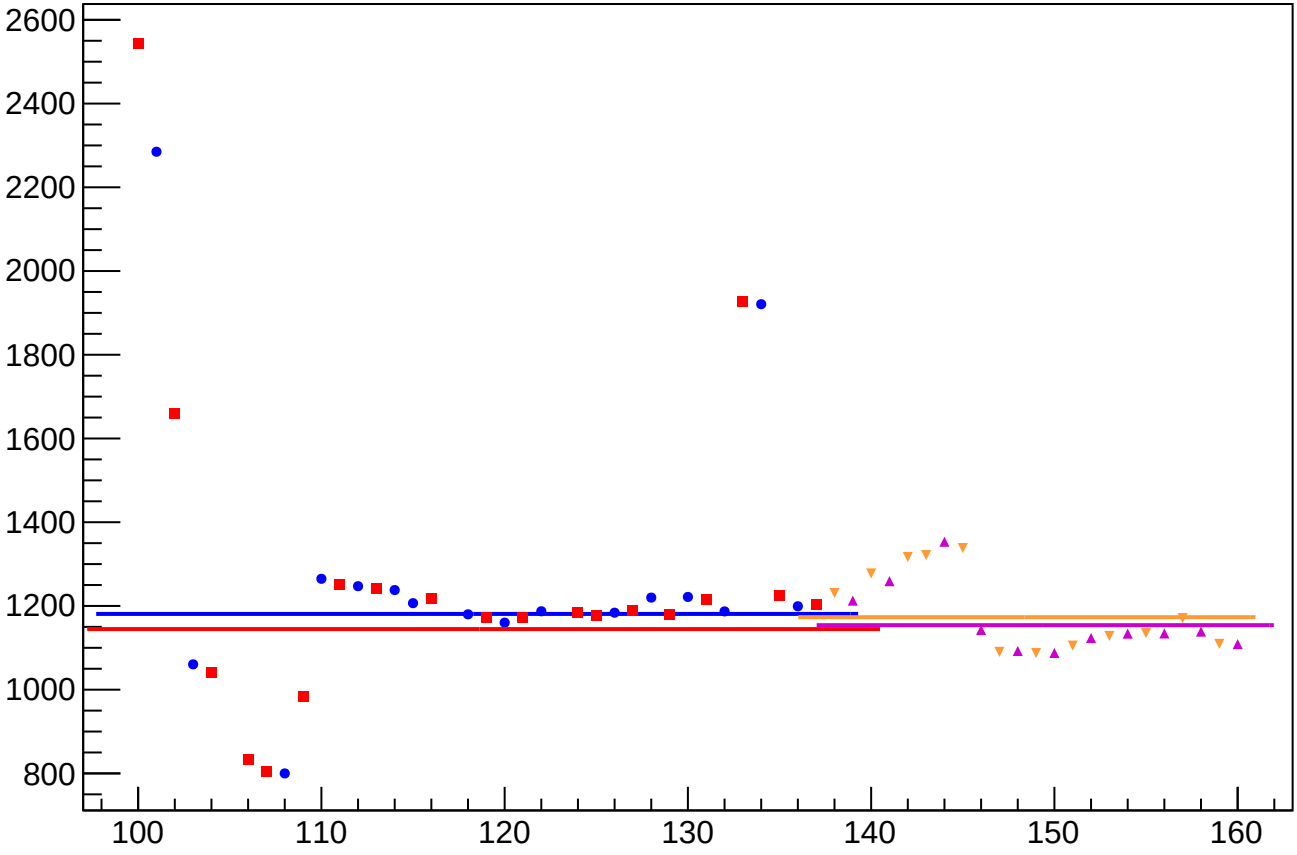
Left In: 779.007+/-374.027 χ^2/NDF:5.4/10

+ sign 415.385+/-290.271 χ^2/NDF: 38.3/27

All: 495.028+/-202.796 χ^2/NDF: 61.6/57

- 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: 1173.133+/-0.269 χ^2/NDF:106883.2/11

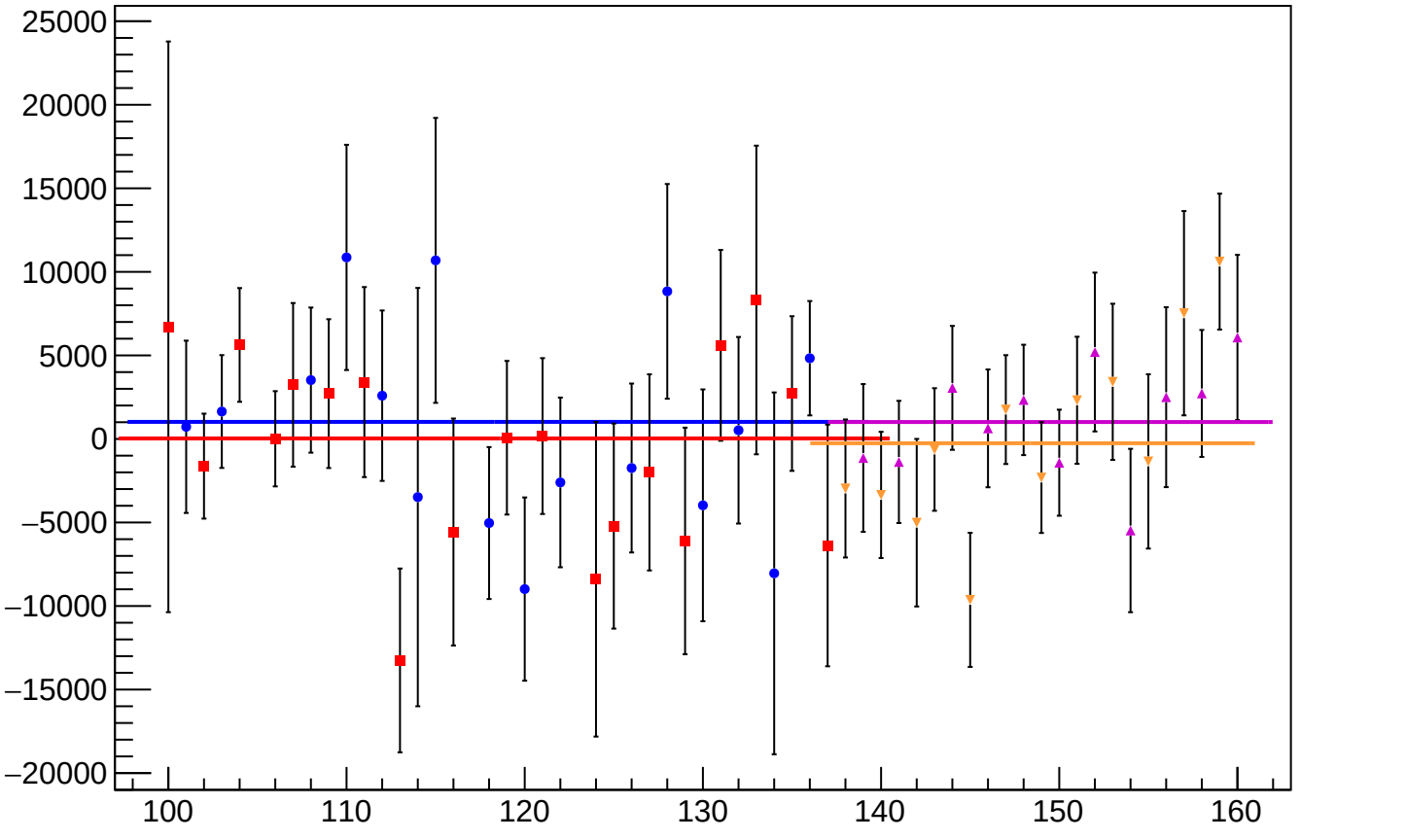
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1154.107+/-0.264 χ^2/NDF:73011.0/10

+ sign 1176.410+/-0.205 χ^2/NDF: 729115.7/27

All: 1162.956+/-0.143 χ^2/NDF: 1308778.1/57

- 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: -257.463+/-1171.321 χ^2/NDF:18.1/11

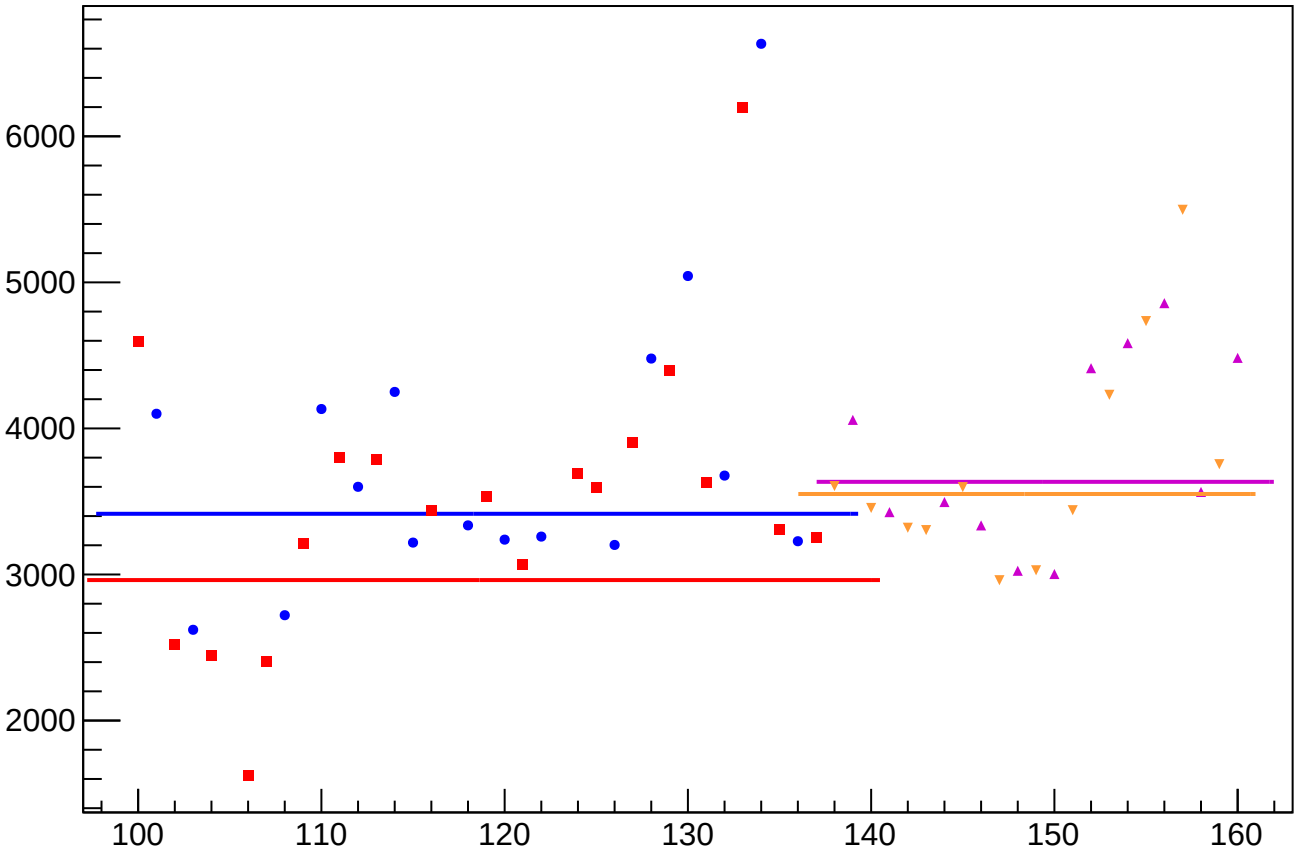
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 1012.175+/-1194.553 χ^2/NDF:5.6/10

+ sign 314.213+/-870.924 χ^2/NDF: 32.5/27

All: 409.508+/-597.477 χ^2/NDF: 54.6/57

- 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: 3551.120+/-0.828 χ^2/NDF:485063.7/11

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

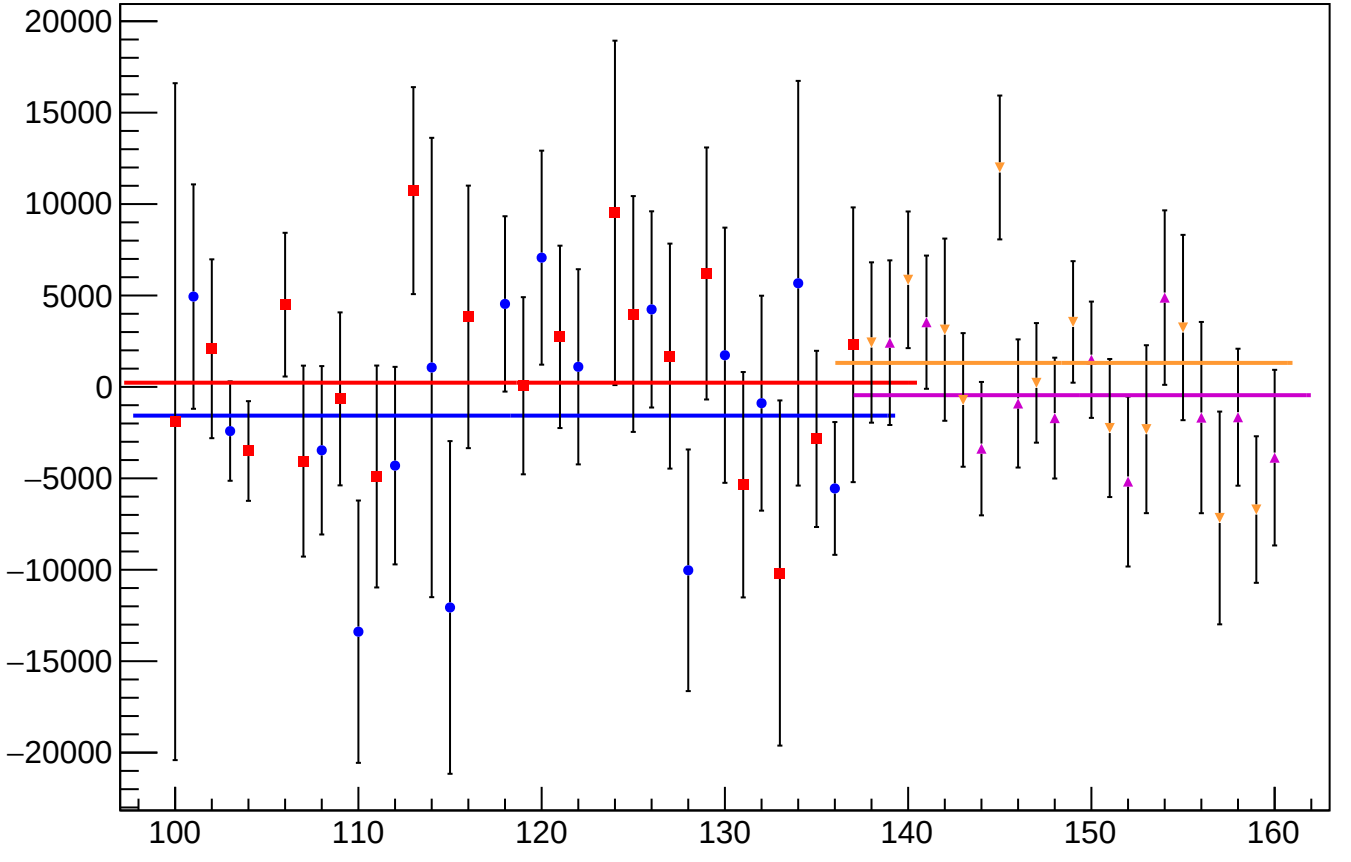
Left In: 3634.367+/-0.845 χ^2/NDF:480927.0/10

+ sign 3490.519+/-0.616 χ^2/NDF: 1089375.6/27

All: 3378.885+/-0.422 χ^2/NDF: 3136026.5/57

- 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: 1313.793+/-1165.801 χ^2/NDF:17.7/11

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

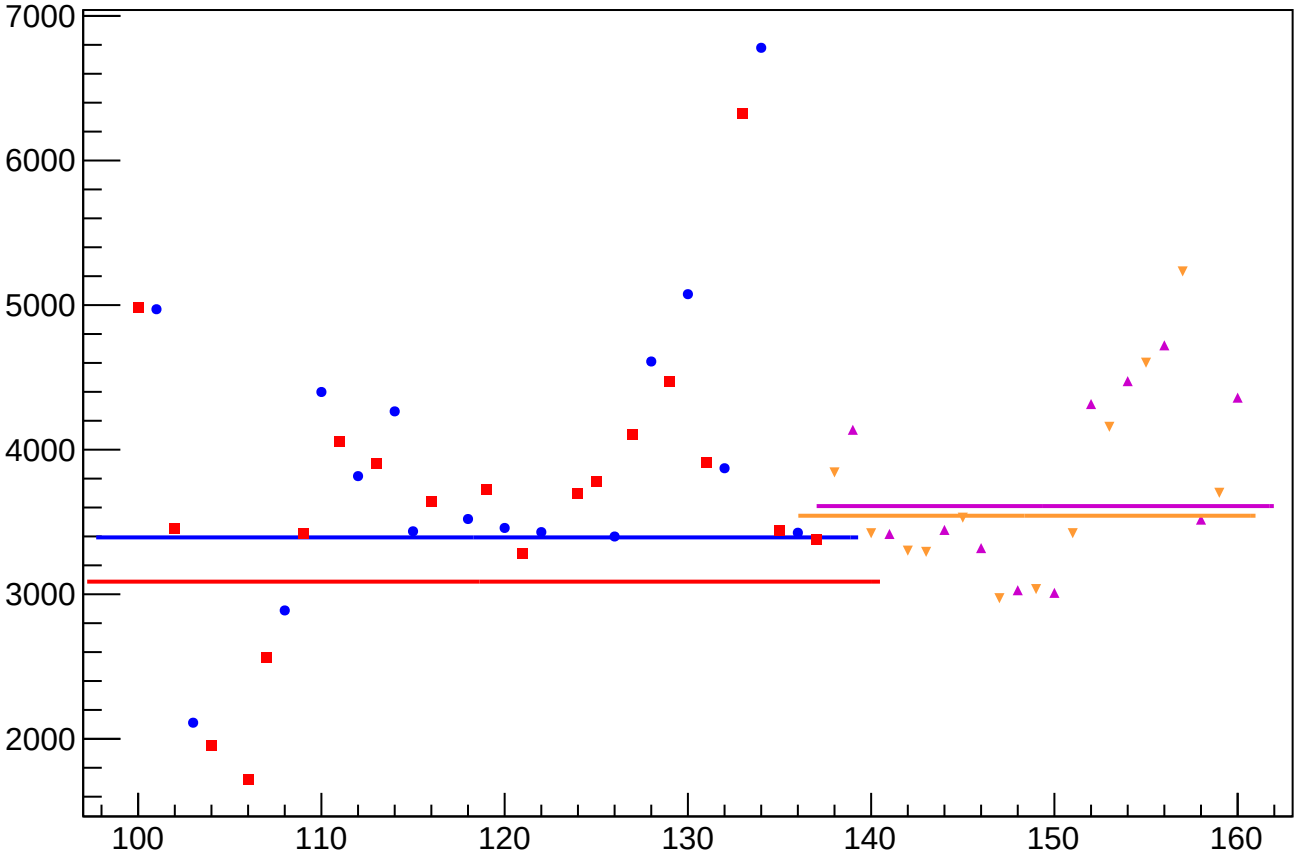
Left In: -452.280+/-1184.211 χ^2/NDF:5.7/10

+ sign 42.559+/-871.744 χ^2/NDF: 34.9/27

All: -41.660+/-609.019 χ^2/NDF: 54.0/57

- 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: 3543.167+/-0.824 χ^2/NDF:429995.8/11

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

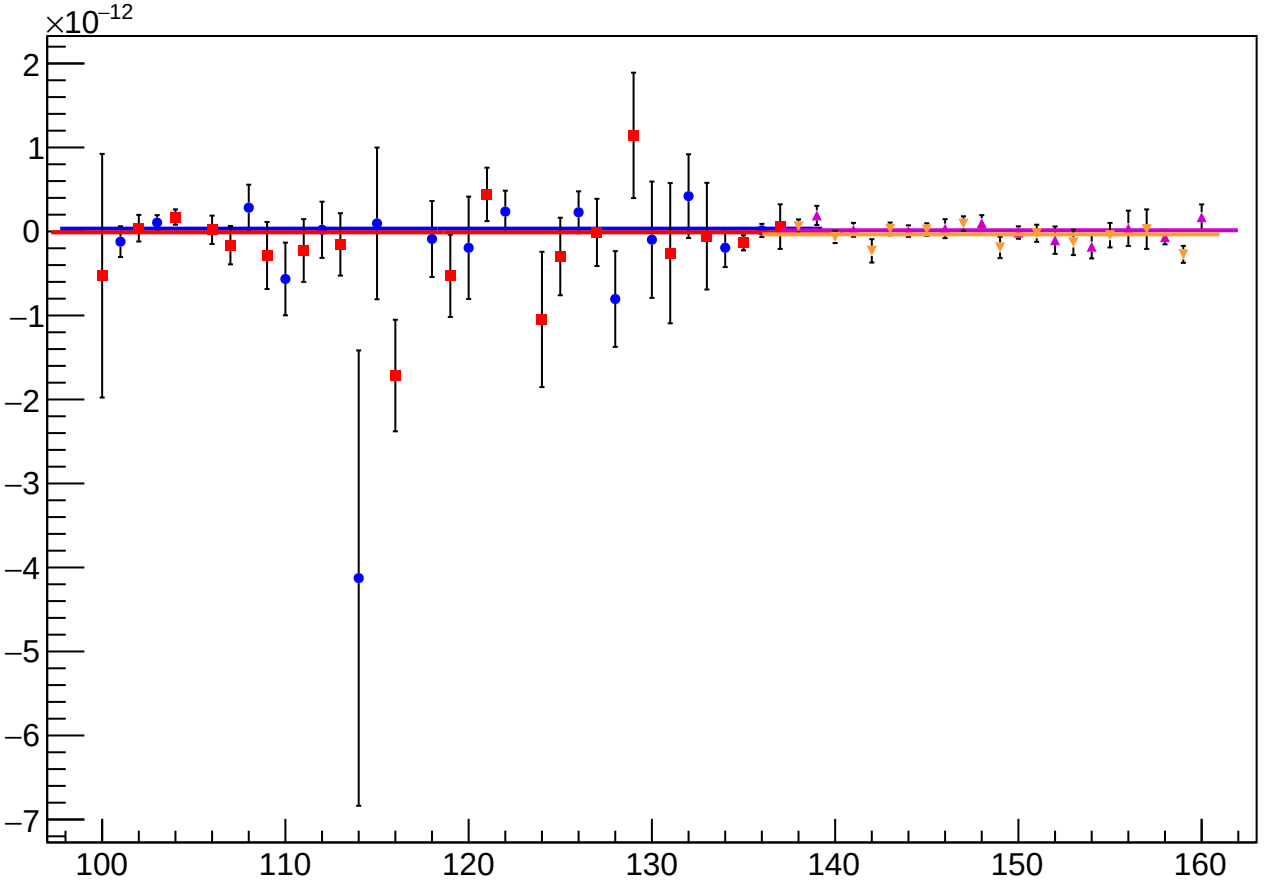
Left In: 3609.919+/-0.837 χ^2/NDF:436291.9/10

\+ sign 3477.127+/-0.616 χ^2/NDF: 1493261.5/27

All: 3413.021+/-0.429 χ^2/NDF: 3470431.0/57

\- sign 3352.902+/-0.597 χ^2/NDF: 1956211.4/29

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/11

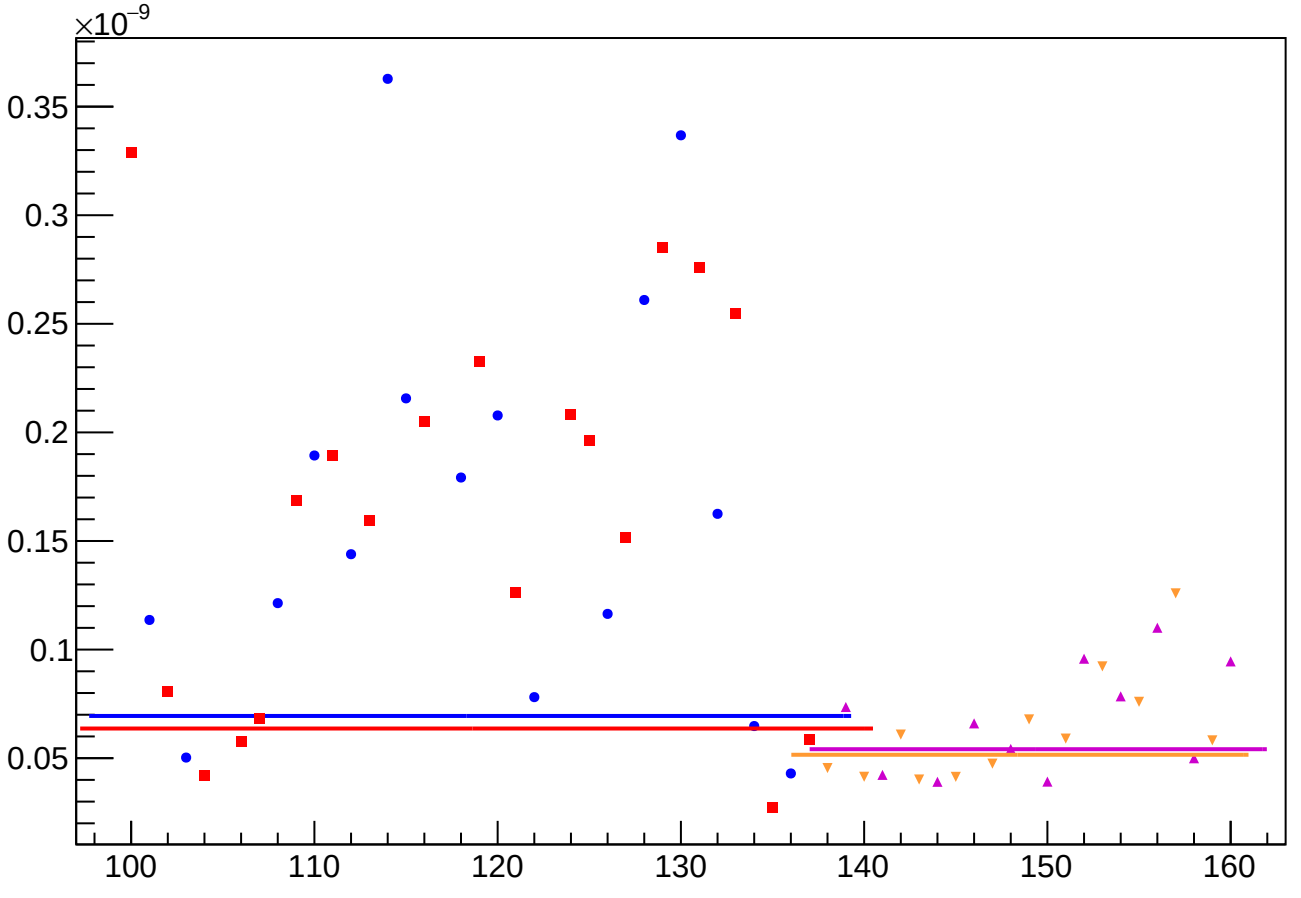
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 27.6/27

All: -0.000+/-0.000 χ^2/NDF: 58.0/57

- sign 0.000+/-0.000 χ^2/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:596014.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

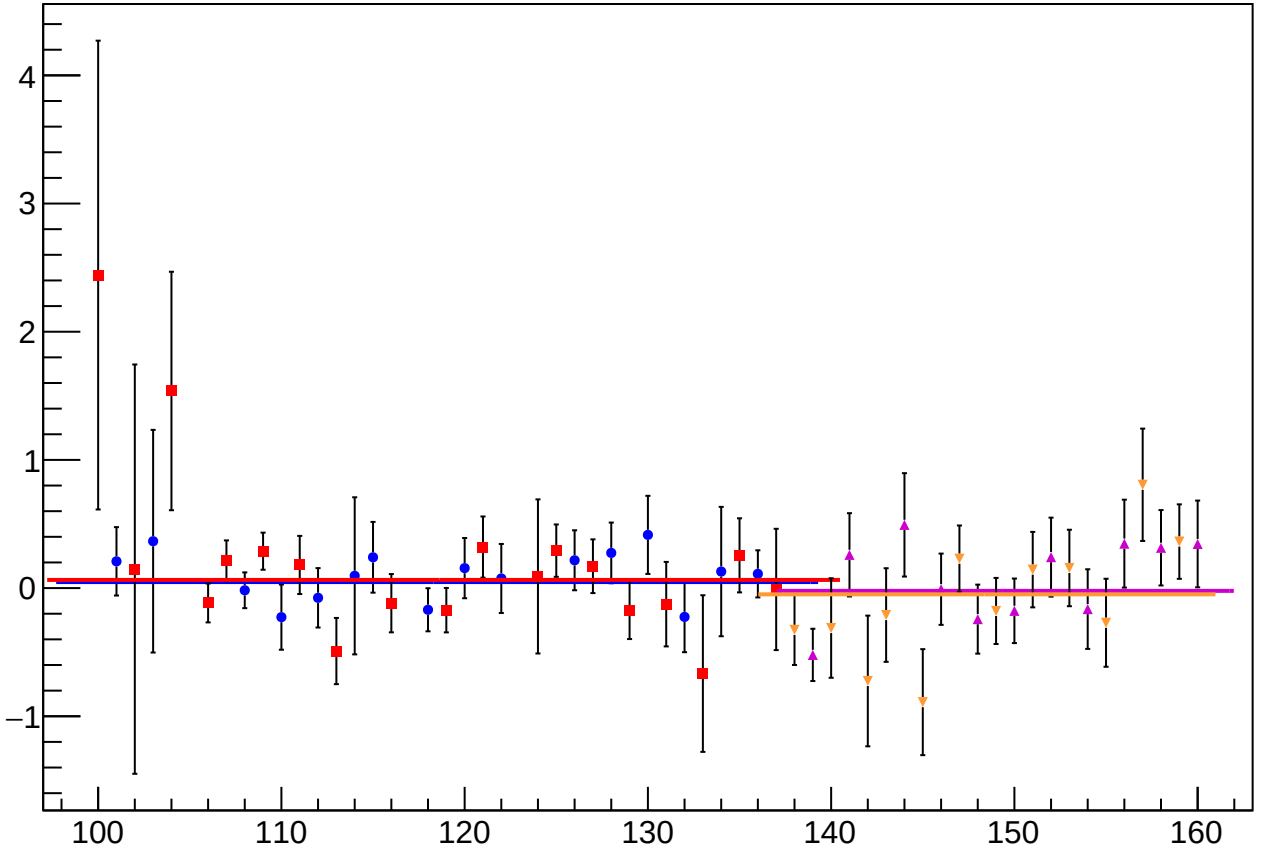
Left In: 0.000+/-0.000 χ^2/NDF:776763.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 2524511.0/27

All: 0.000+/-0.000 χ^2/NDF: 5606090.8/57

- 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: -0.049+/-0.093 χ^2/NDF:16.1/11

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

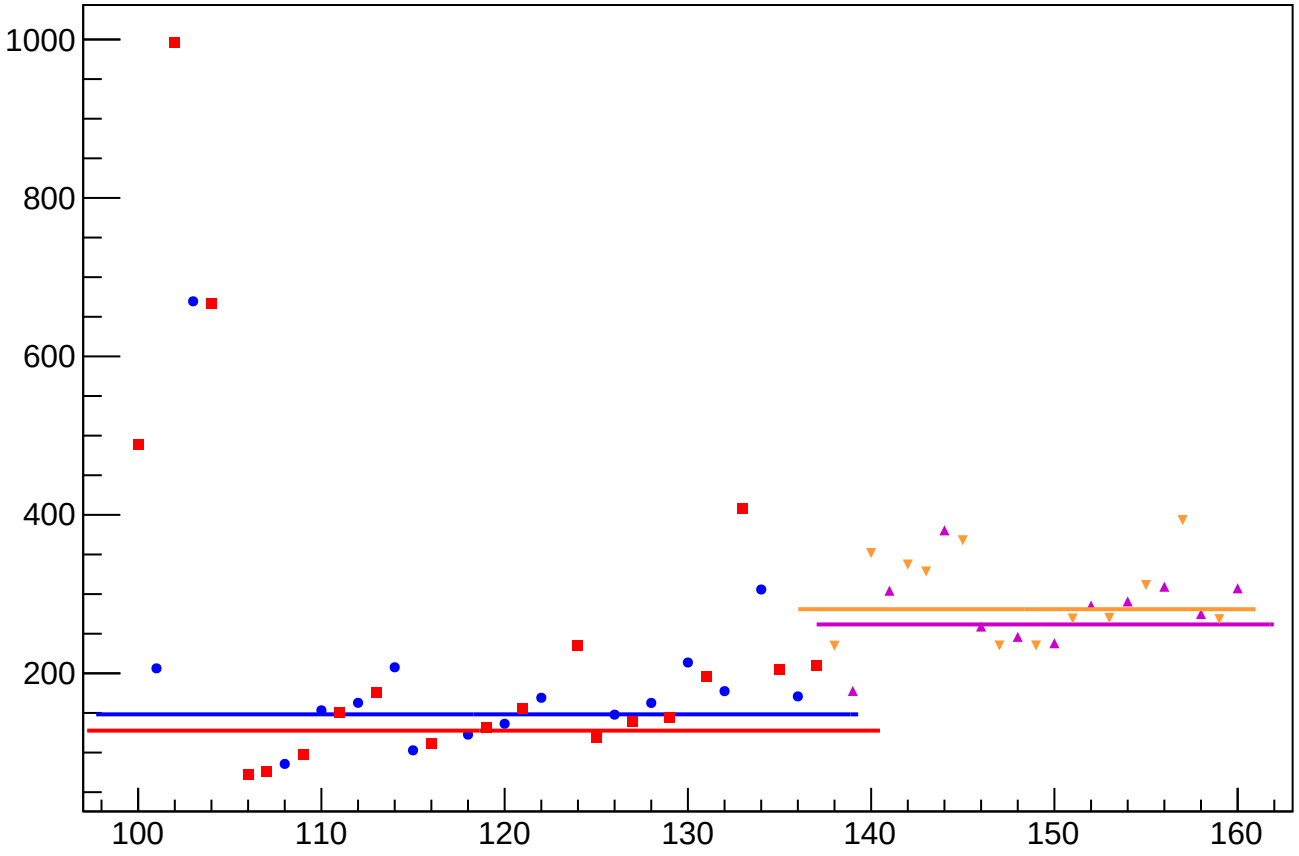
Left In: -0.022+/-0.087 χ^2/NDF:14.0/10

+ sign 0.019+/-0.050 χ^2/NDF: 25.4/27

All: 0.030+/-0.034 χ^2/NDF: 62.4/57

- 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: 280.926+/-0.066 χ^2/NDF:552803.4/11

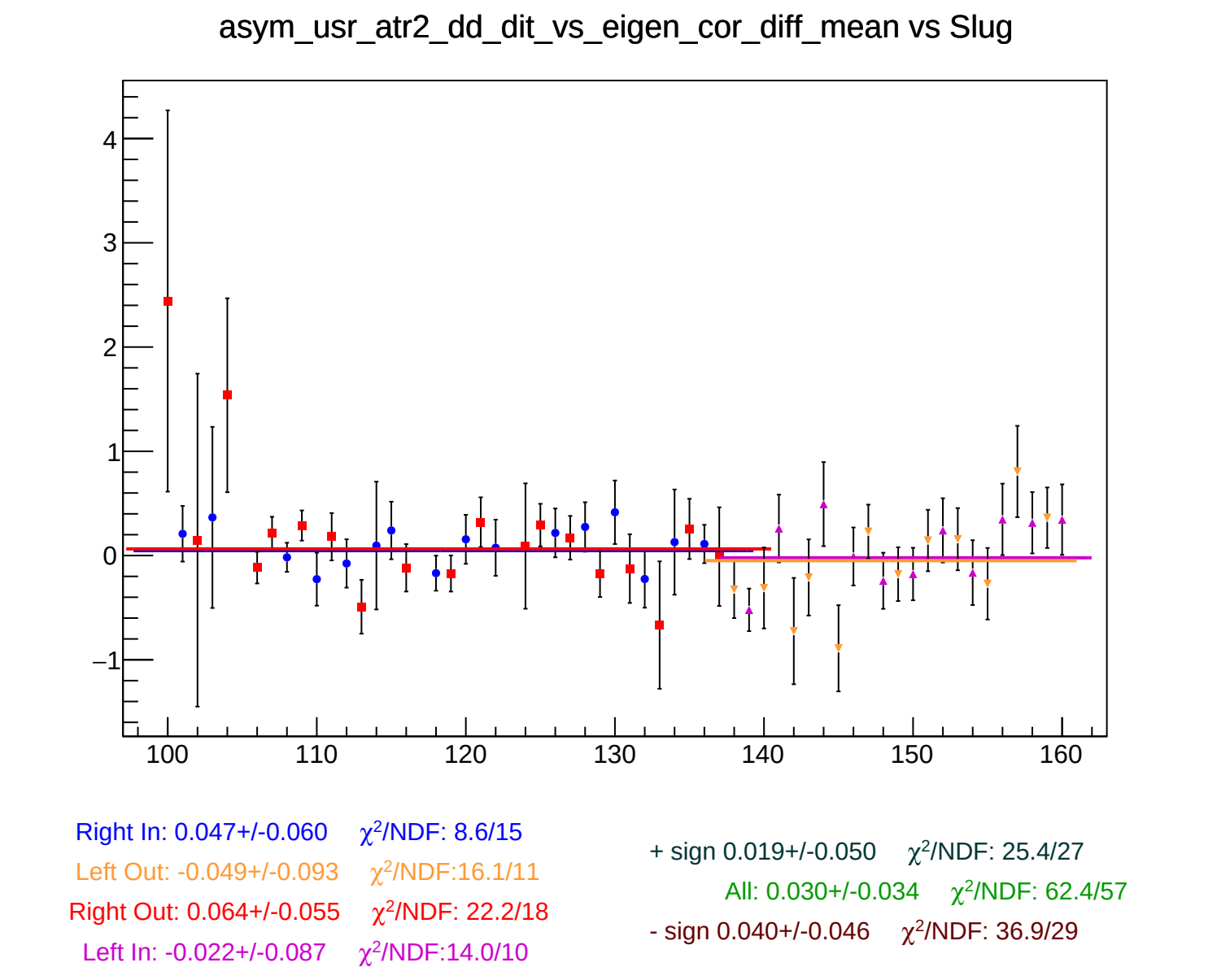
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 261.715+/-0.062 χ^2/NDF:679221.9/10

\+ sign 187.229+/-0.036 χ^2/NDF: 5134094.8/27

All: 175.474+/-0.024 χ^2/NDF: 12253462.0/57

\- sign 165.571+/-0.033 χ^2/NDF: 6919259.0/29


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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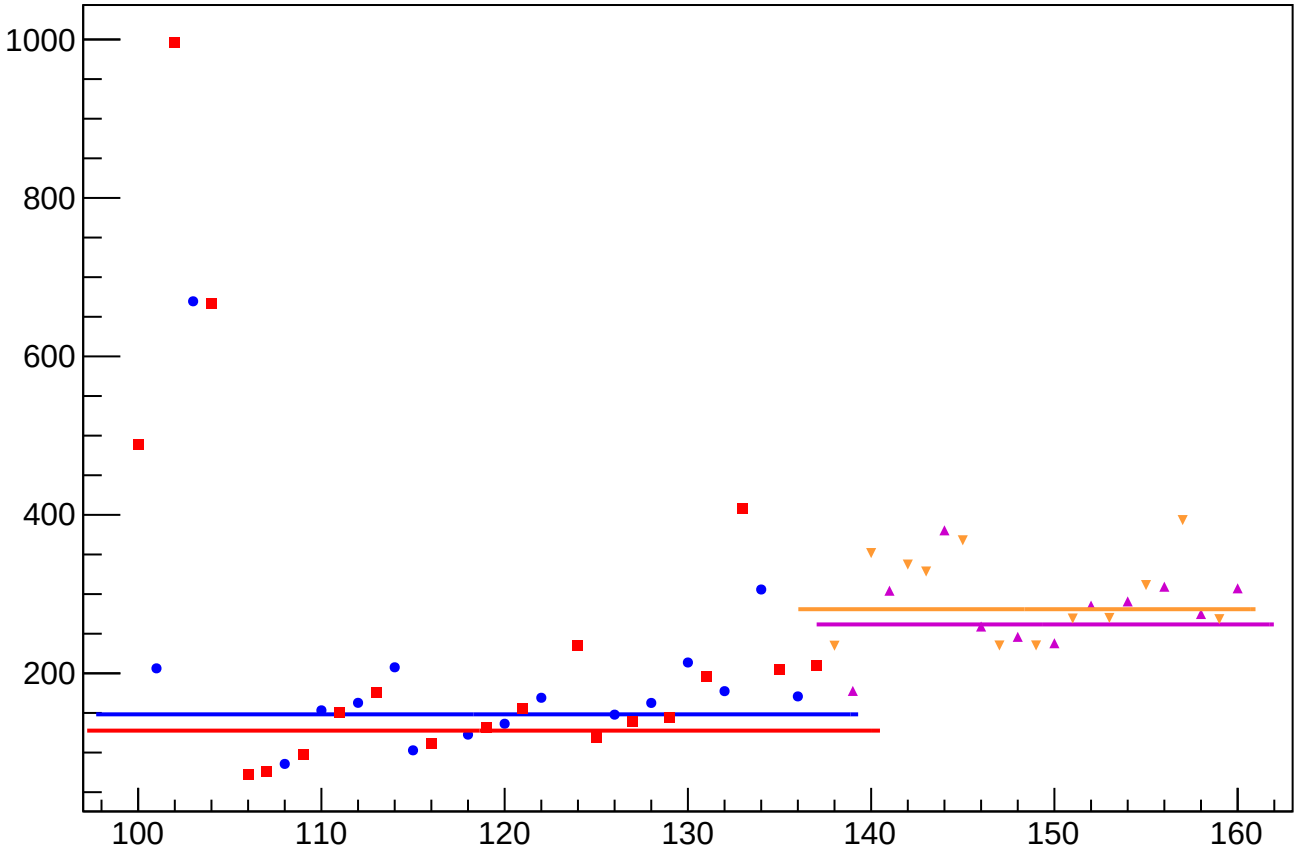
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.049+/-0.093 χ²/NDF:16.1/11
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.022+/-0.087 χ²/NDF:14.0/10
+ sign 0.019+/-0.050 χ²/NDF: 25.4/27
All: 0.030+/-0.034 χ²/NDF: 62.4/57
- sign 0.040+/-0.046 χ²/NDF: 36.9/29

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 280.926+/-0.066 χ^2/NDF:552803.4/11

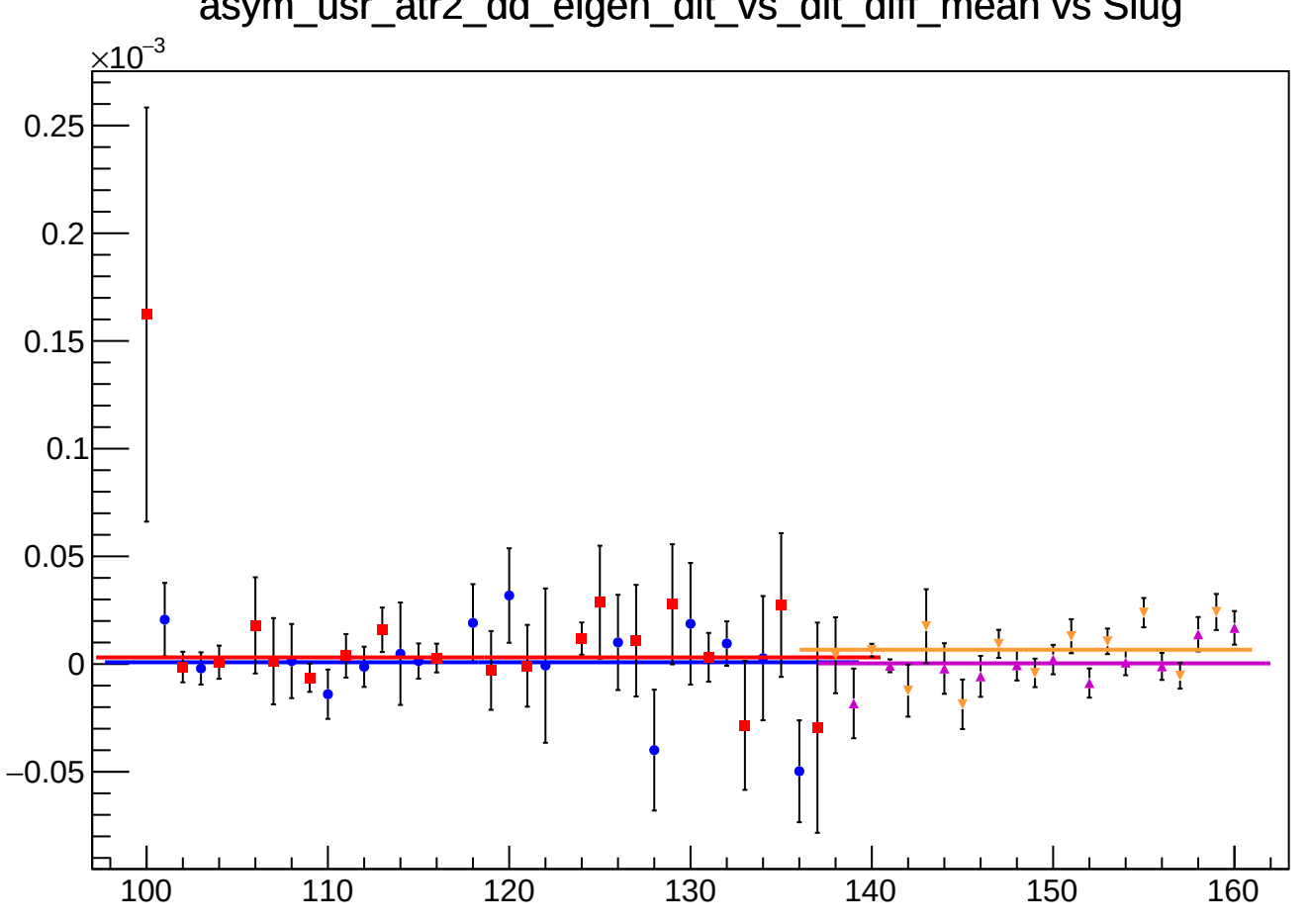
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 261.715+/-0.062 χ^2/NDF:679221.9/10

+ sign 187.229+/-0.036 χ^2/NDF: 5134094.8/27

All: 175.474+/-0.024 χ^2/NDF: 12253462.0/57

- 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:26.4/11

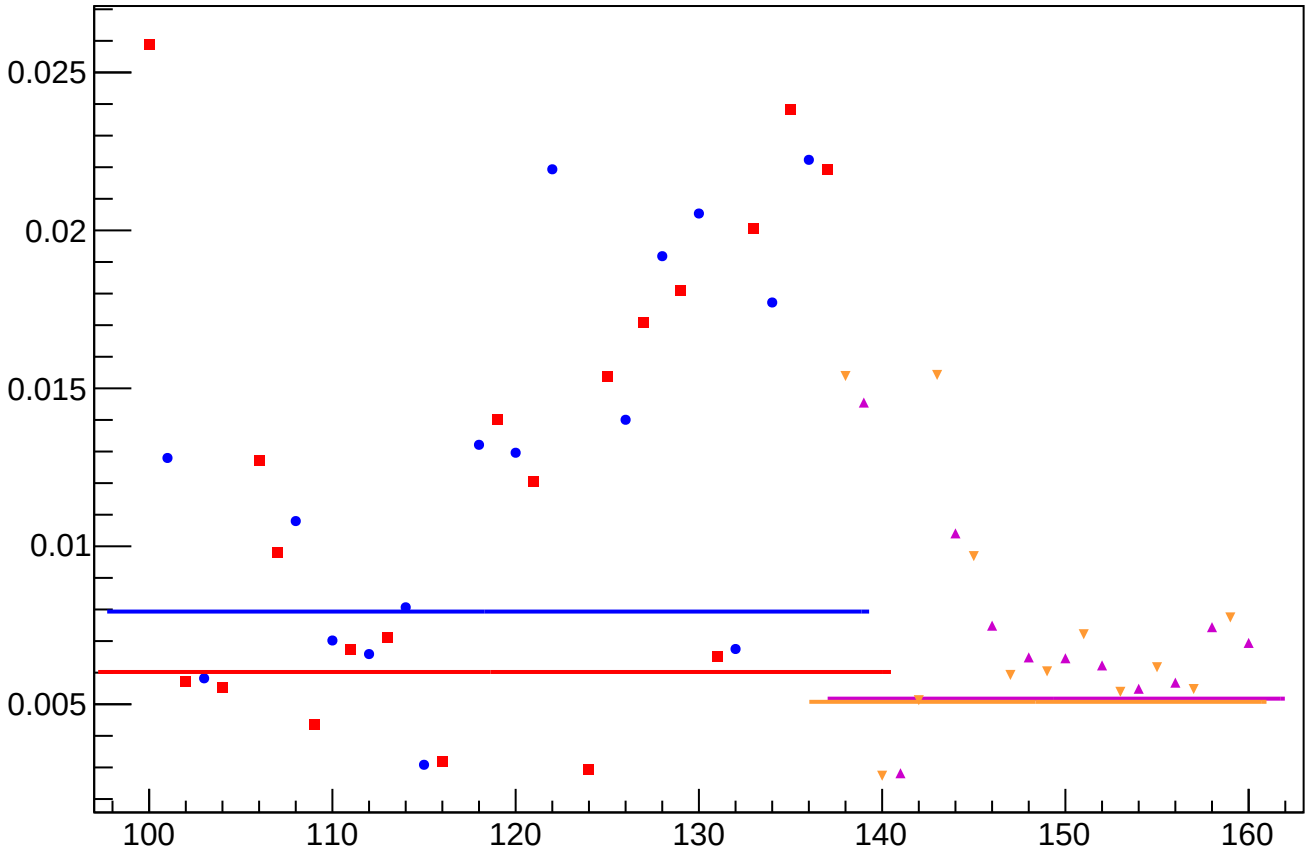
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 42.9/27

All: 0.000+/-0.000 χ^2/NDF: 70.8/57

- 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:3455184.0/11

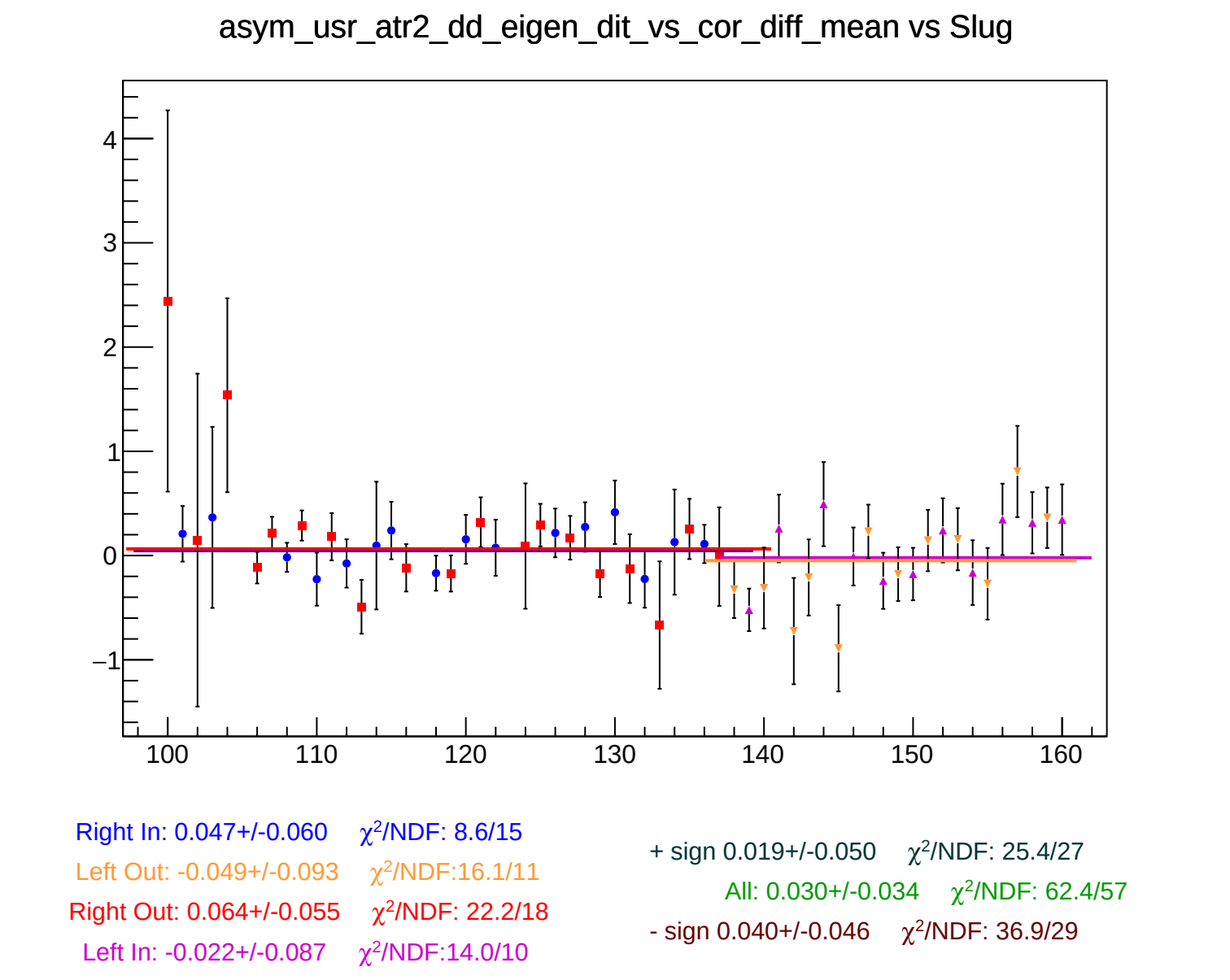
Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:2893663.2/10

+ sign 0.006+/-0.000 χ^2/NDF: 8088720.2/27

All: 0.006+/-0.000 χ^2/NDF: 15154408.2/57

- sign 0.005+/-0.000 χ^2/NDF: 7039316.6/29


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
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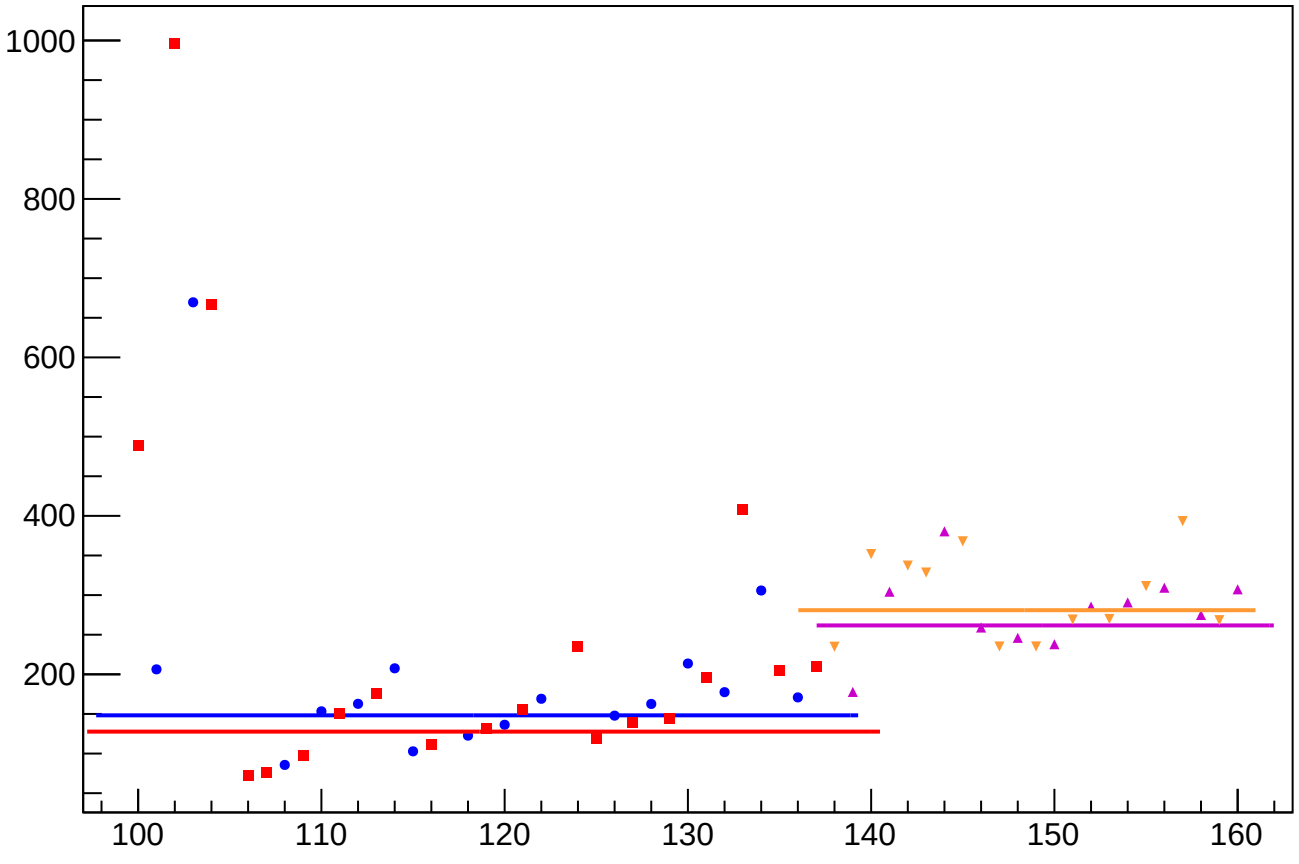
150
160
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.049+/-0.093 χ²/NDF:16.1/11
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.022+/-0.087 χ²/NDF:14.0/10
+ sign 0.019+/-0.050 χ²/NDF: 25.4/27
All: 0.030+/-0.034 χ²/NDF: 62.4/57
- sign 0.040+/-0.046 χ²/NDF: 36.9/29



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 280.929+/-0.066 χ^2/NDF:552765.2/11

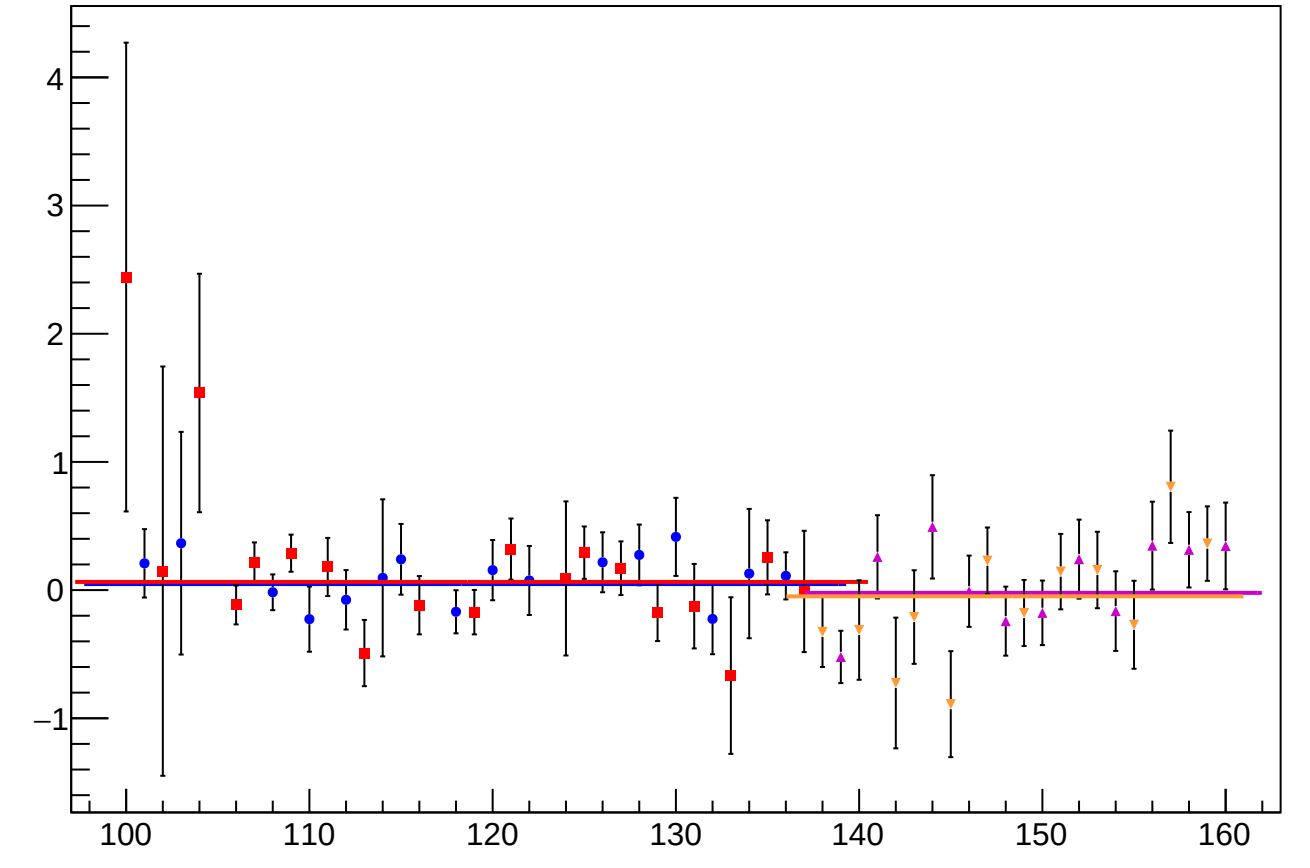
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 261.718+/-0.062 χ^2/NDF:679176.3/10

+ sign 187.227+/-0.036 χ^2/NDF: 5134358.0/27

All: 175.473+/-0.024 χ^2/NDF: 12253722.1/57

- 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: -0.049+/-0.093 χ^2/NDF:16.1/11

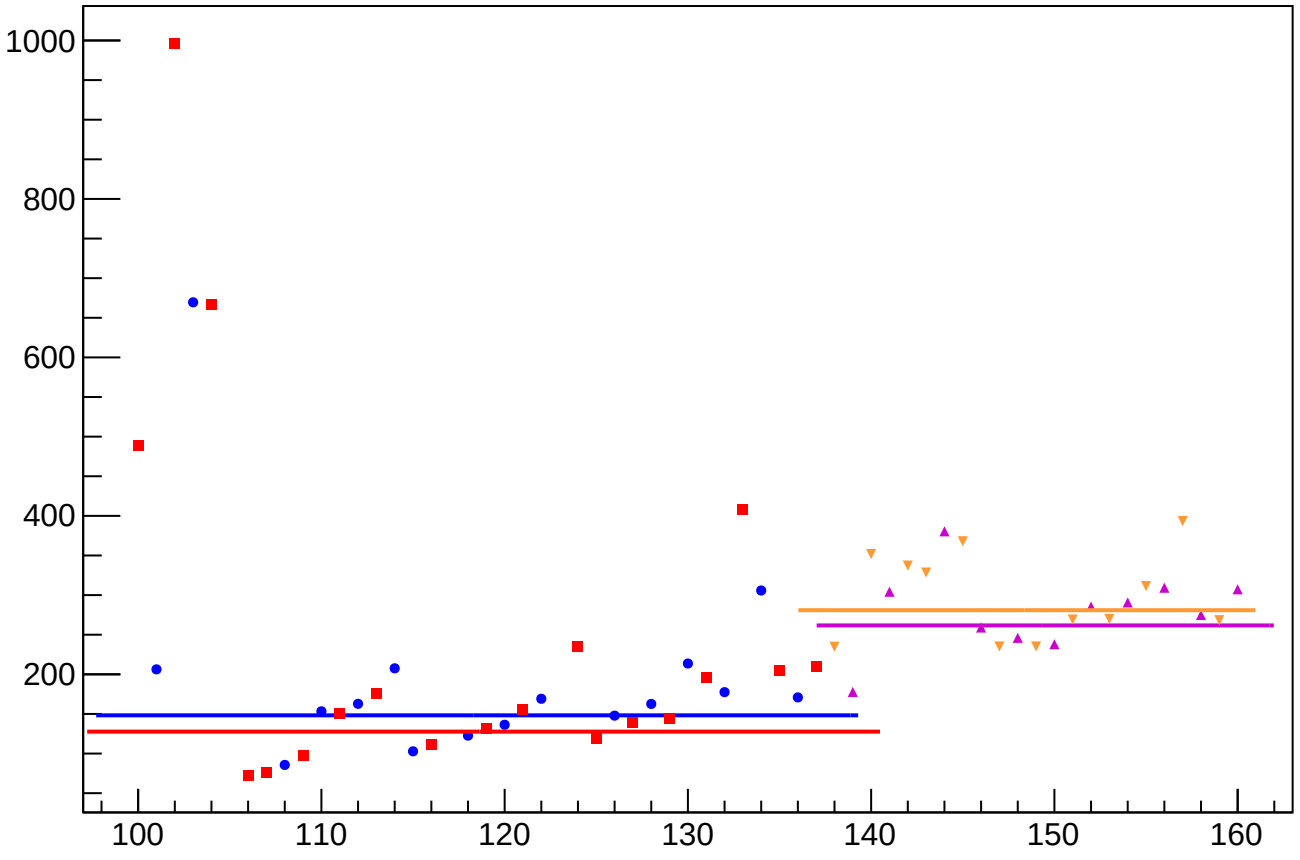
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.022+/-0.087 χ^2/NDF:14.0/10

+ sign 0.019+/-0.050 χ^2/NDF: 25.4/27

All: 0.030+/-0.034 χ^2/NDF: 62.4/57

- 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: 280.929+/-0.066 χ^2/NDF:552765.2/11

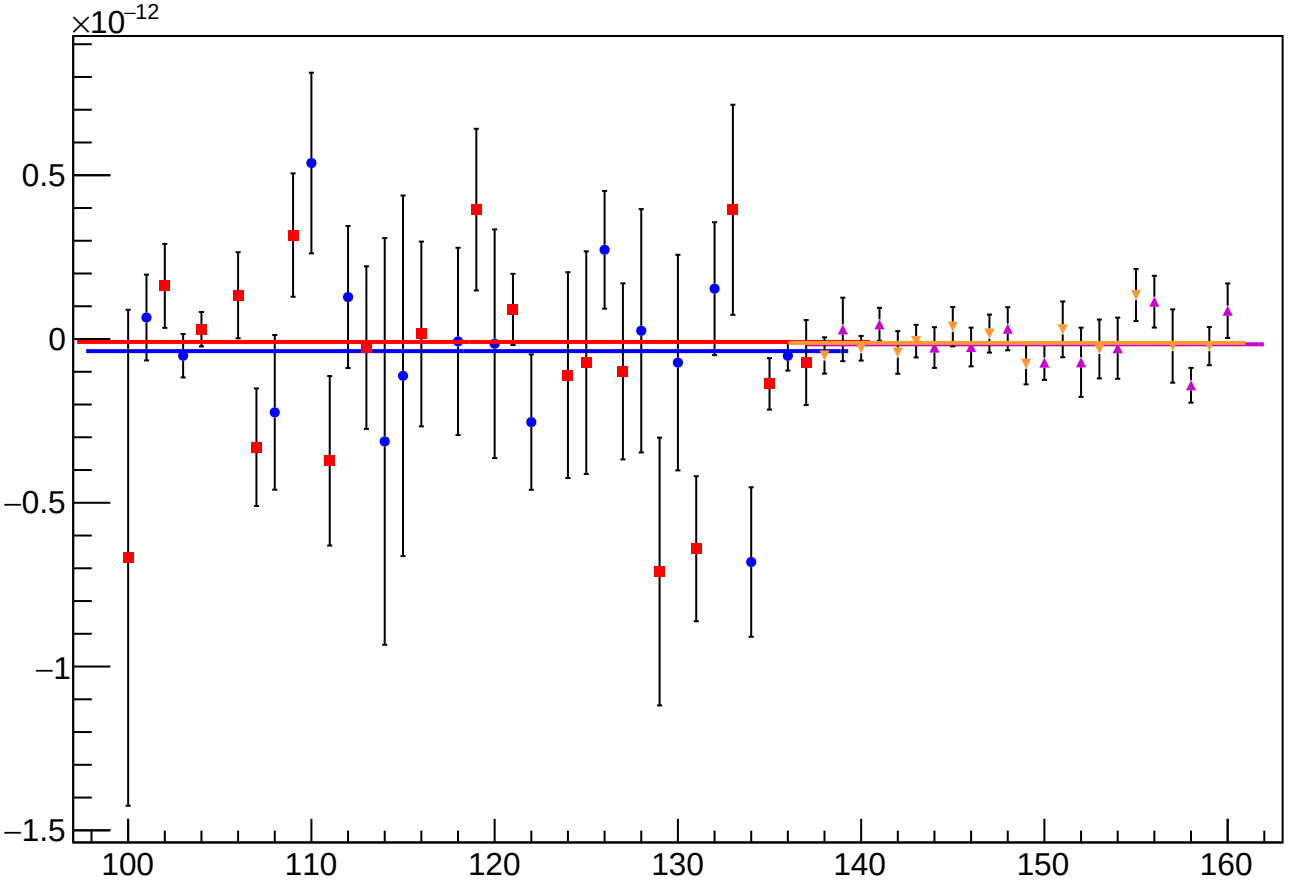
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 261.718+/-0.062 χ^2/NDF:679176.3/10

+ sign 187.227+/-0.036 χ^2/NDF: 5134358.0/27

All: 175.473+/-0.024 χ^2/NDF: 12253722.1/57

- 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:6.5/11

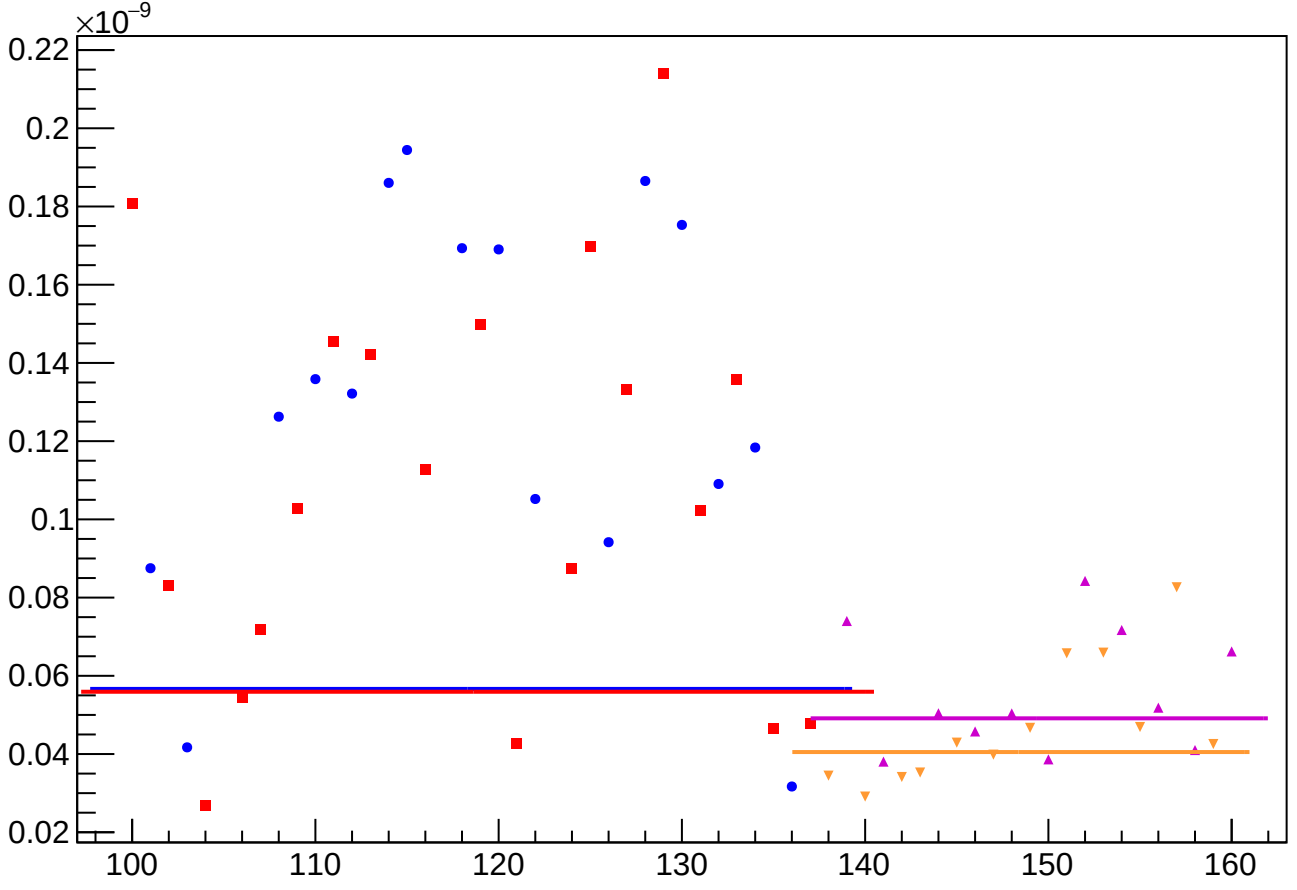
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 26.5/27

All: -0.000+/-0.000 χ^2/NDF: 71.7/57

- 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:904822.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

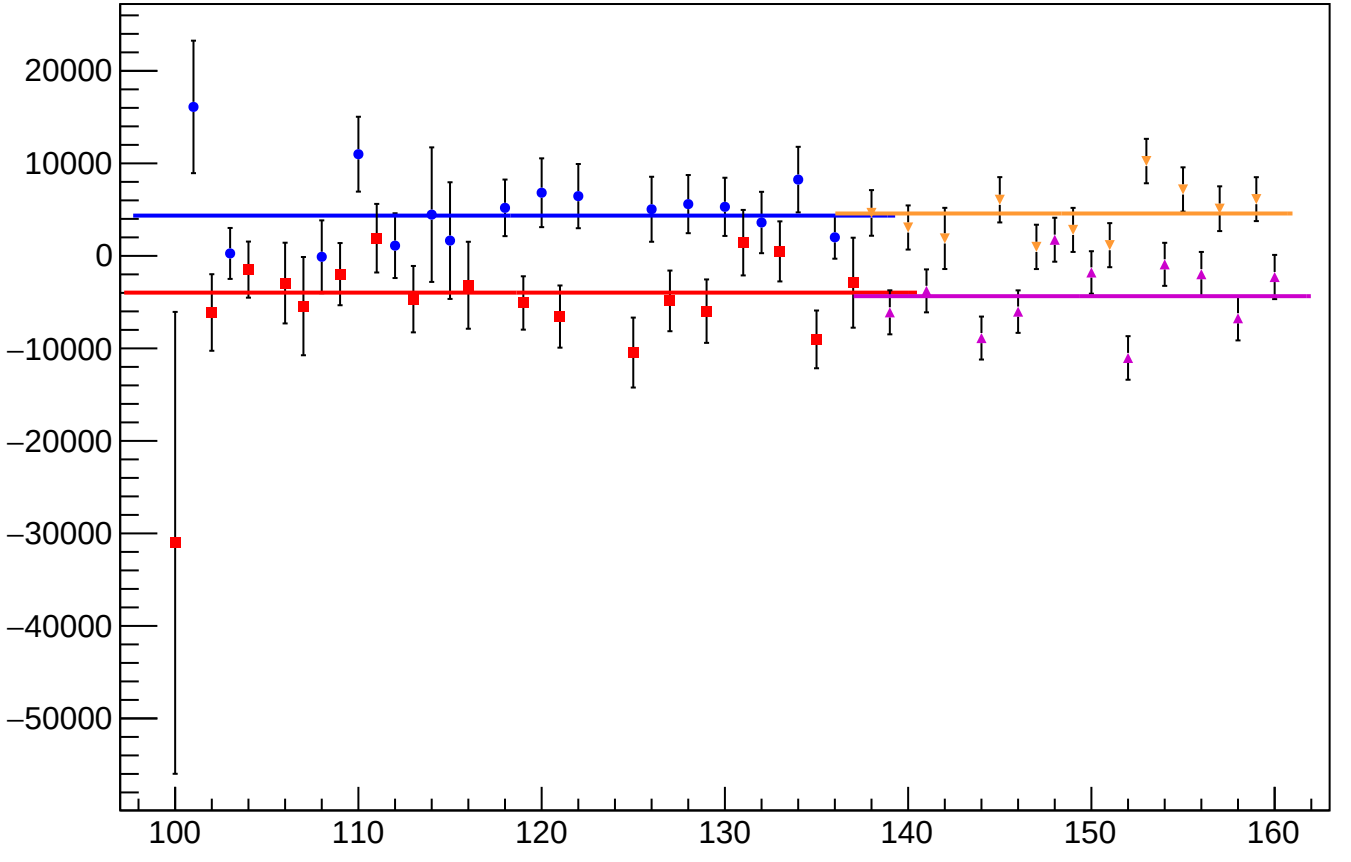
Left In: 0.000+/-0.000 χ^2/NDF:786134.3/10

\+ sign 0.000+/-0.000 χ^2/NDF: 4407624.9/27

All: 0.000+/-0.000 χ^2/NDF: 8171987.2/57

\- 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: 4582.424+/-741.031 χ^2/NDF:13.5/10

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

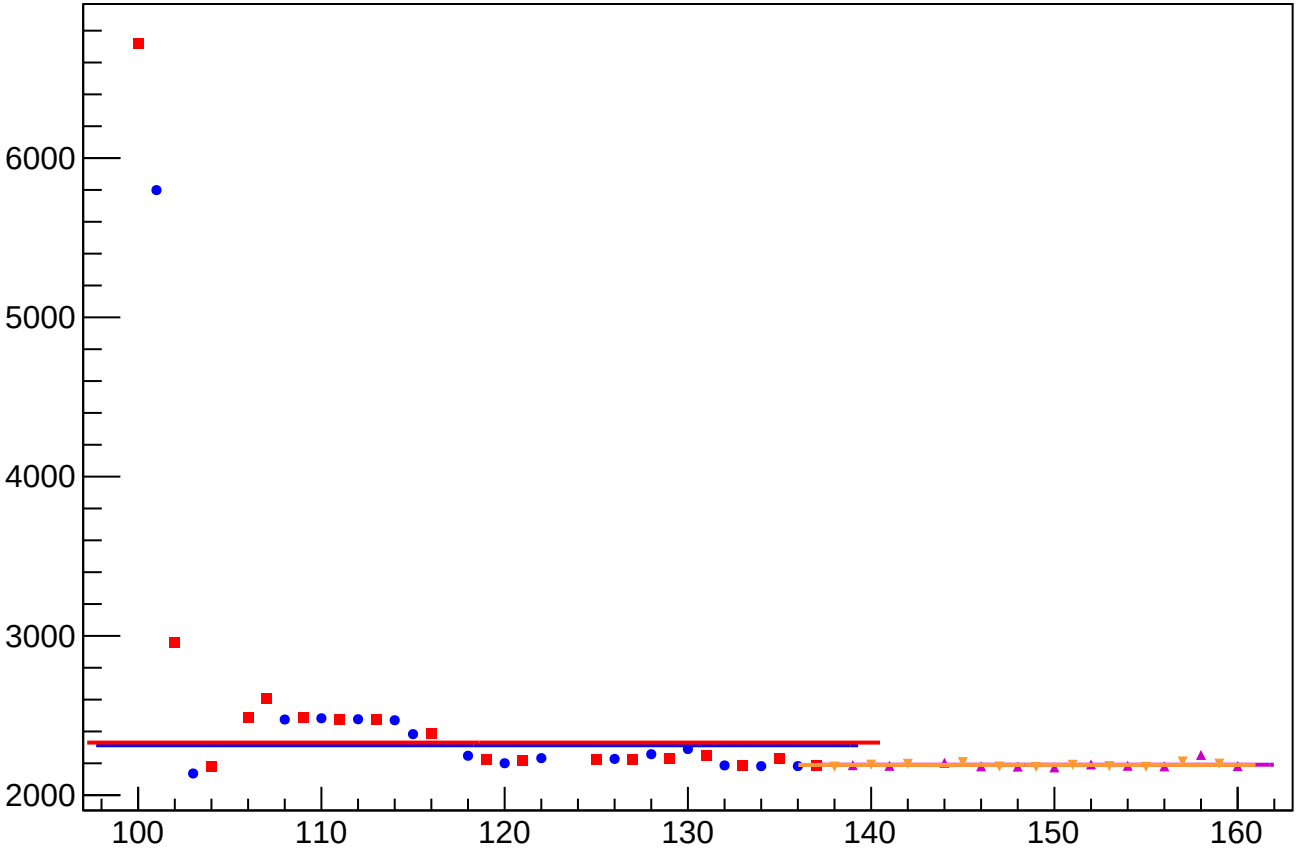
Left In: -4355.416+/-708.750 χ^2/NDF:25.7/10

+ sign 4487.185+/-565.529 χ^2/NDF: 27.0/26

All: 19.913+/-394.218 χ^2/NDF: 190.3/55

- 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: 2189.775+/-0.524 χ^2/NDF:483.3/10

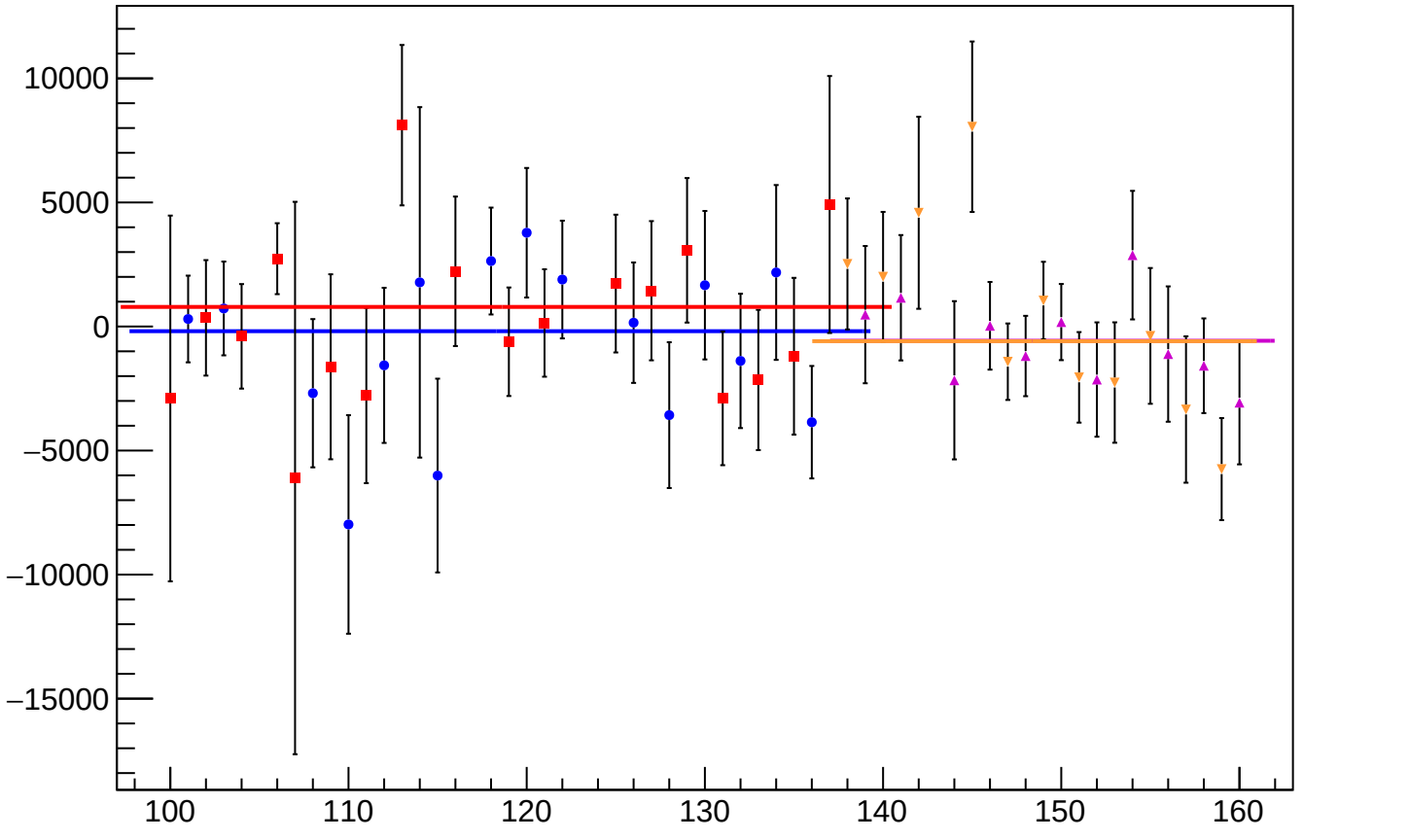
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2191.237+/-0.501 χ^2/NDF:1662.7/10

+ sign 2241.404+/-0.400 χ^2/NDF: 536104.1/26

All: 2244.061+/-0.279 χ^2/NDF: 719679.3/55

- 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: -591.328+/-669.961 χ^2/NDF:20.2/10

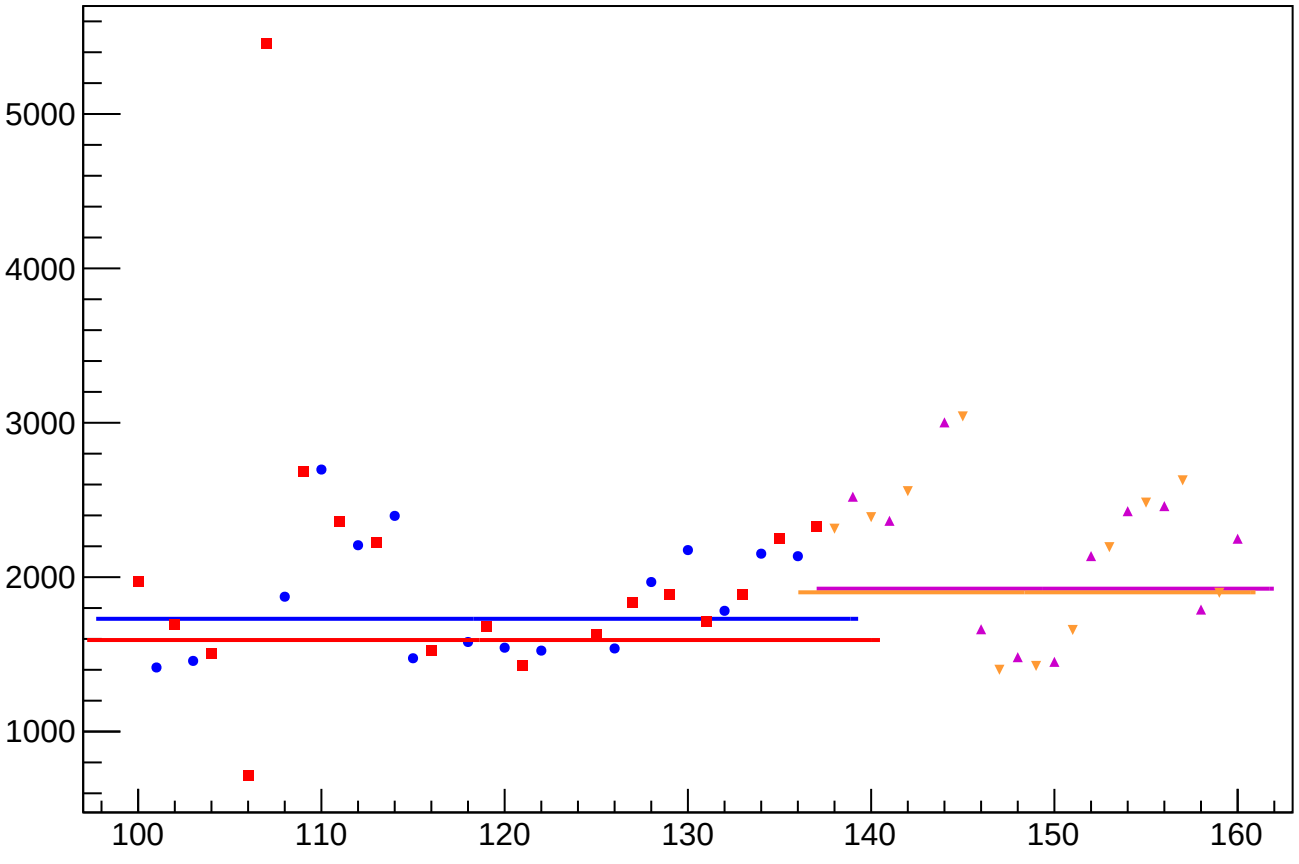
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -575.111+/-642.894 χ^2/NDF:4.9/10

+ sign -386.470+/-469.569 χ^2/NDF: 36.8/26

All: -125.703+/-325.550 χ^2/NDF: 59.5/55

- 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: 1901.850+/-0.474 χ^2/NDF:1069721.7/10

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

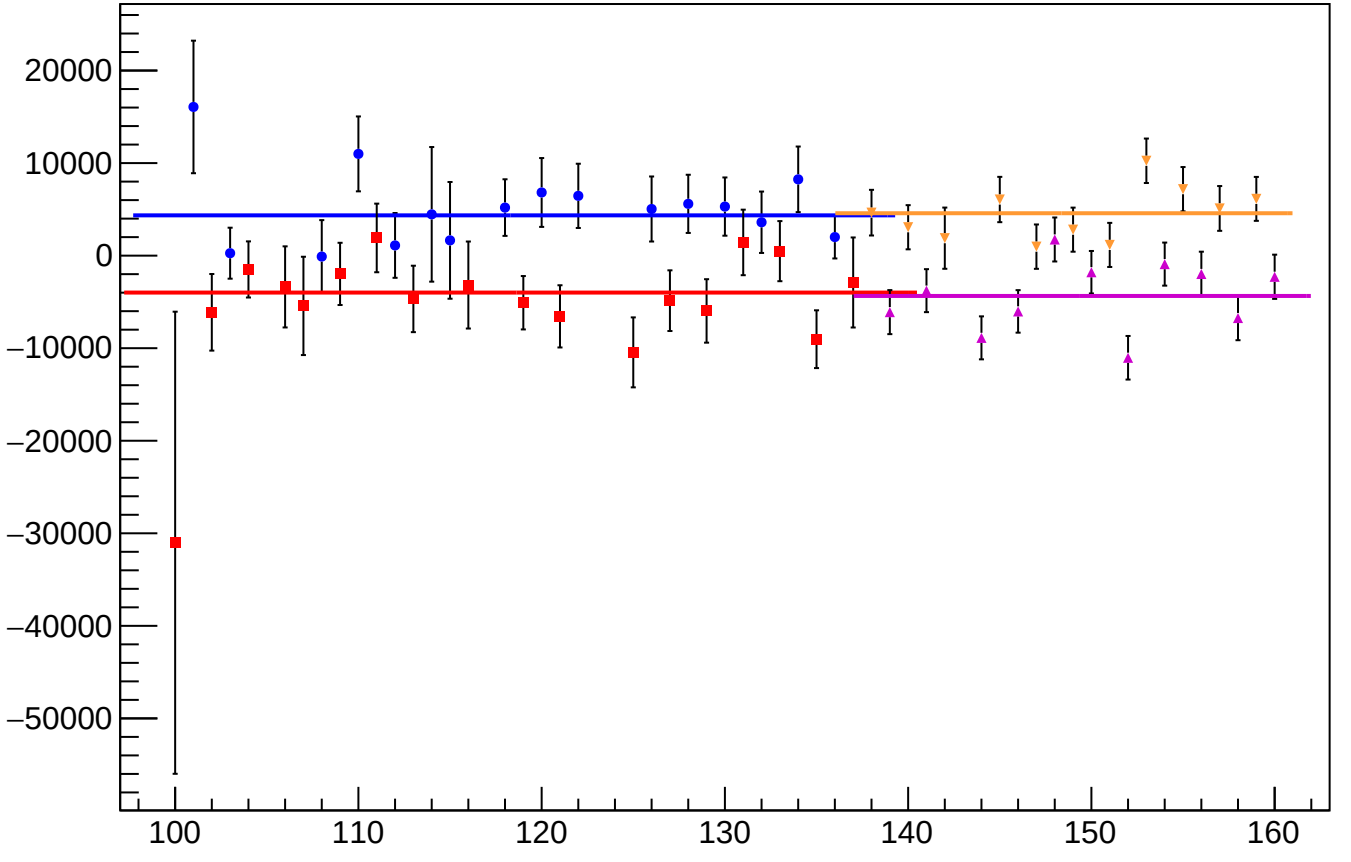
Left In: 1925.394+/-0.455 χ^2/NDF:978980.1/10

+ sign 1814.567+/-0.332 χ^2/NDF: 1615377.5/26

All: 1784.685+/-0.230 χ^2/NDF: 4437107.1/55

- 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: 4582.294+/-741.031 χ^2/NDF:13.5/10

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

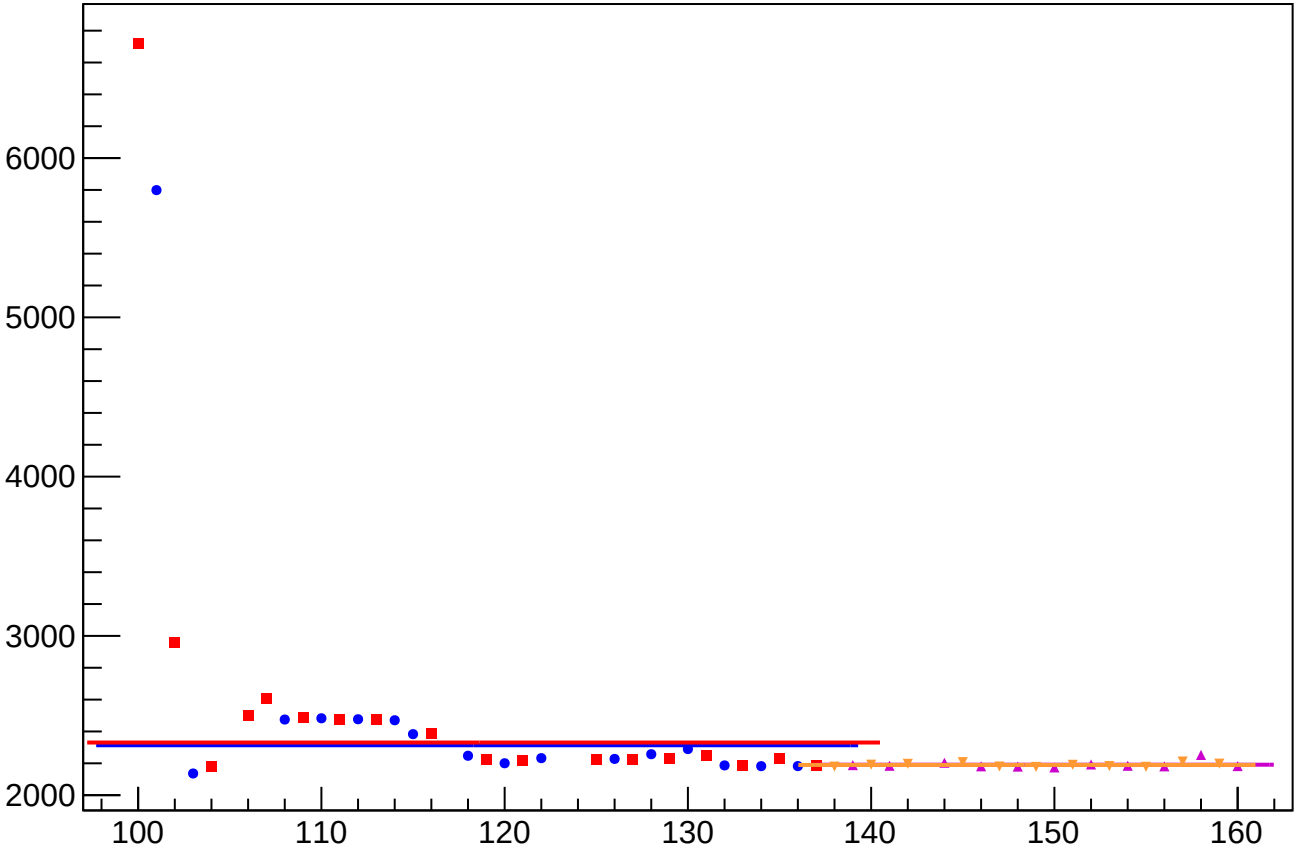
Left In: -4355.563+/-708.750 χ^2/NDF:25.7/10

+ sign 4486.825+/-565.529 χ^2/NDF: 26.9/26

All: 16.249+/-394.232 χ^2/NDF: 190.4/55

- 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: 2189.775+/-0.524 χ^2/NDF:483.3/10

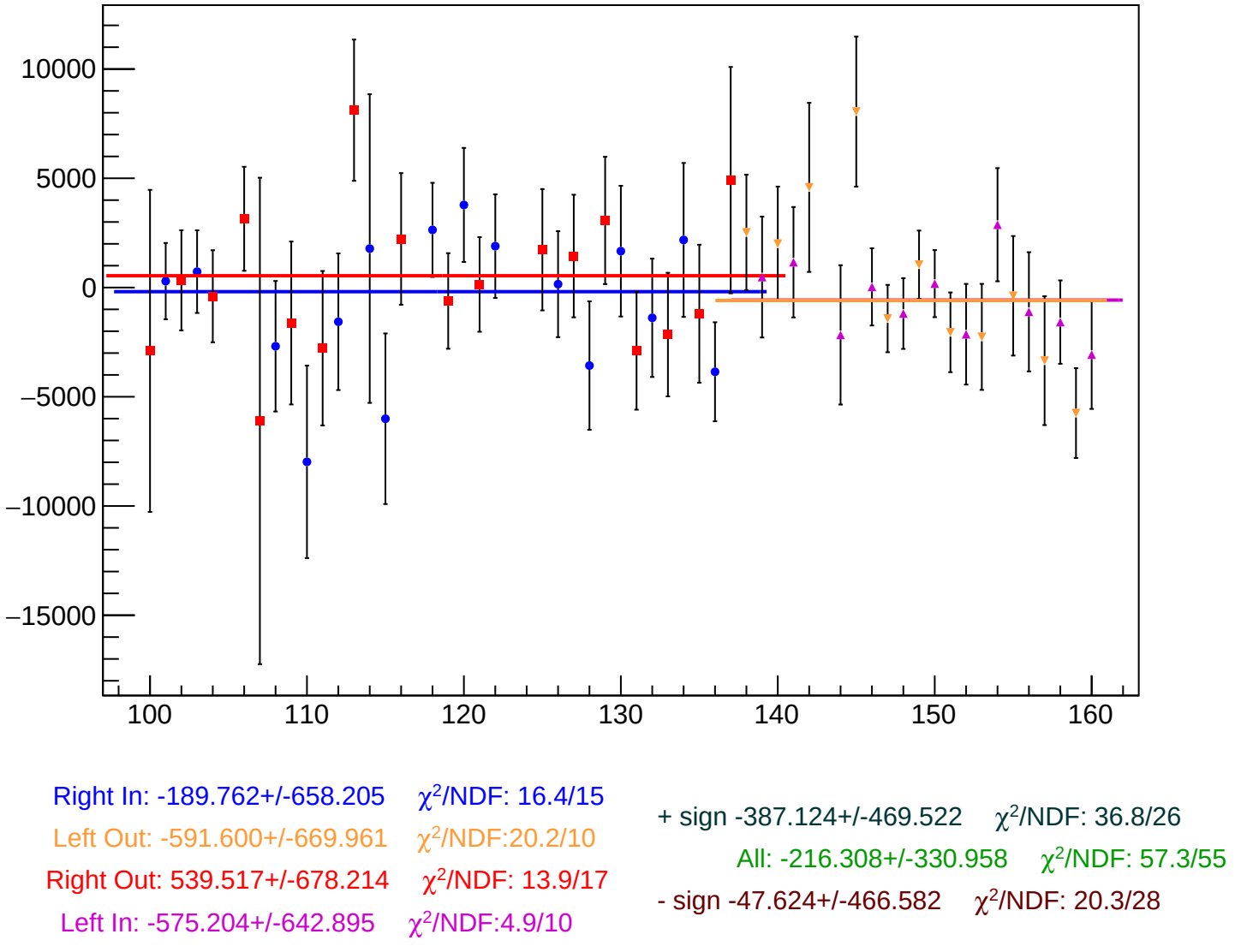
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2191.237+/-0.501 χ^2/NDF:1662.7/10

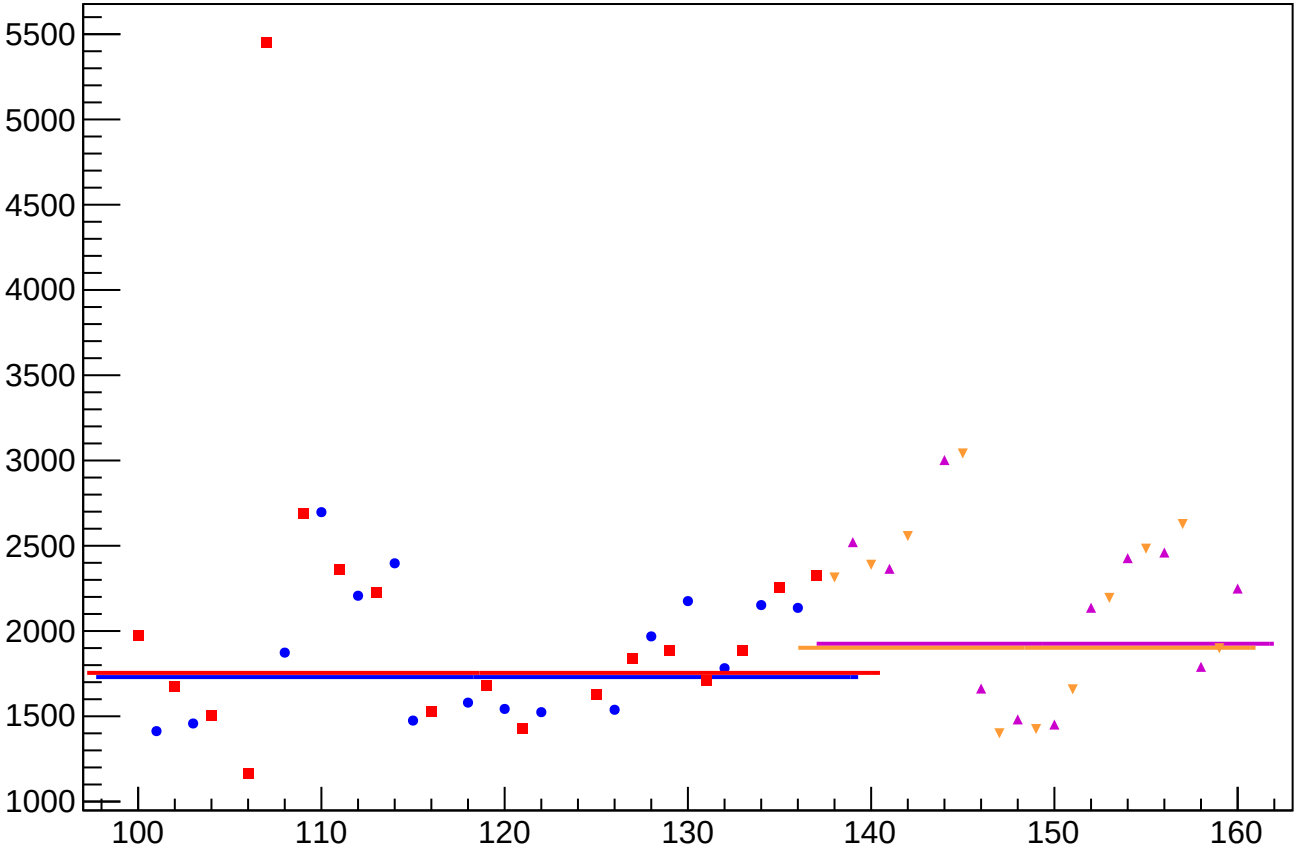
+ sign 2241.404+/-0.400 χ^2/NDF: 536104.5/26

All: 2244.130+/-0.279 χ^2/NDF: 720186.9/55

- sign 2246.708+/-0.389 χ^2/NDF: 183991.9/28


asym_us_avg_at1lr_avg_avg_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: -591.600+/-669.961 χ²/NDF:20.2/10
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -575.204+/-642.895 χ²/NDF:4.9/10
+ sign -387.124+/-469.522 χ²/NDF: 36.8/26
All: -216.308+/-330.958 χ²/NDF: 57.3/55
- sign -47.624+/-466.582 χ²/NDF: 20.3/28

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1901.850+/-0.474 χ^2/NDF:1069752.7/10

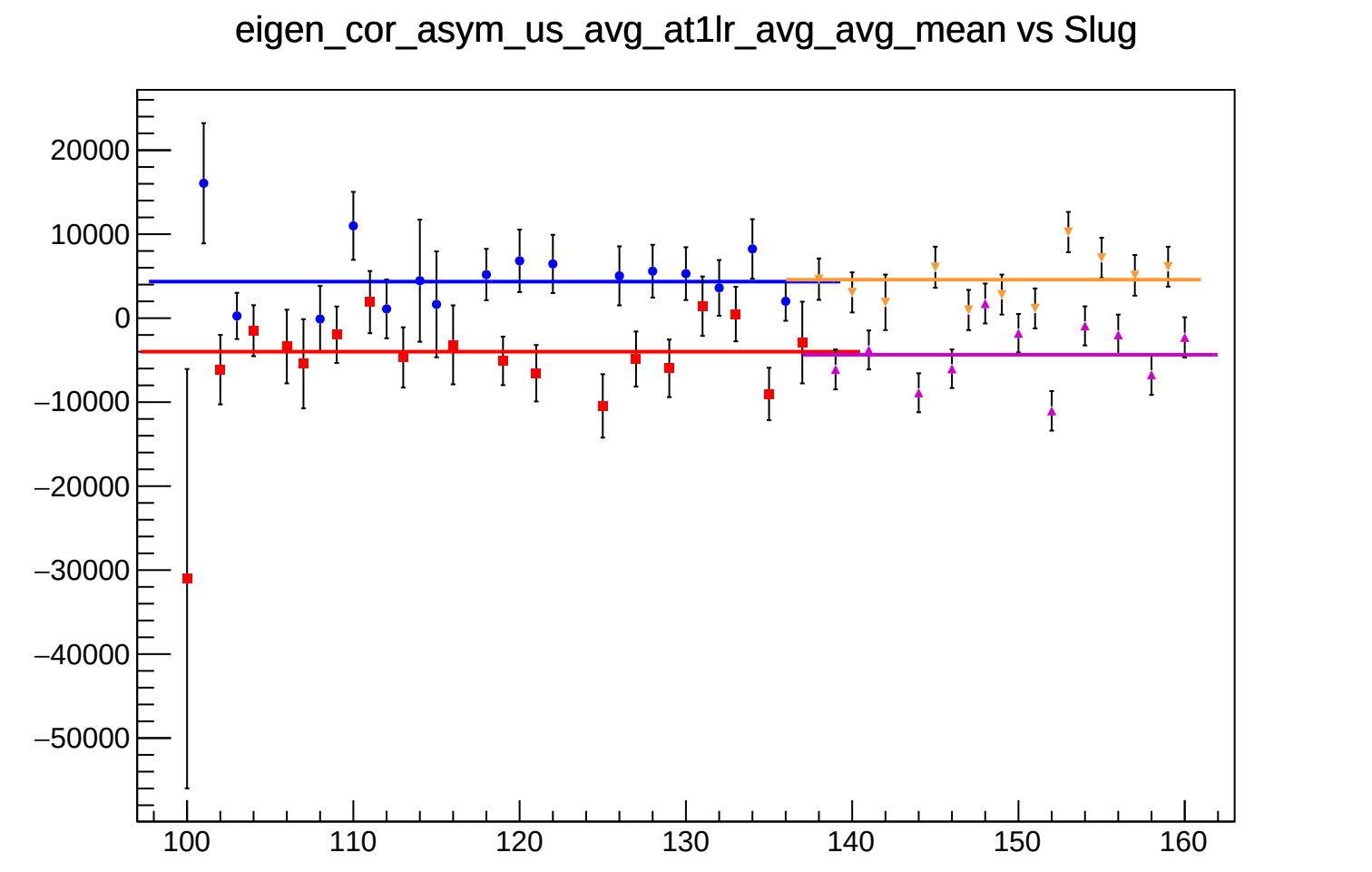
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1925.399+/-0.455 χ^2/NDF:979002.3/10

+ sign 1814.352+/-0.332 χ^2/NDF: 1616691.0/26

All: 1829.535+/-0.234 χ^2/NDF: 3417727.4/55

- sign 1844.528+/-0.330 χ^2/NDF: 1796880.0/28



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4582.294+/-741.031 χ^2/NDF:13.5/10

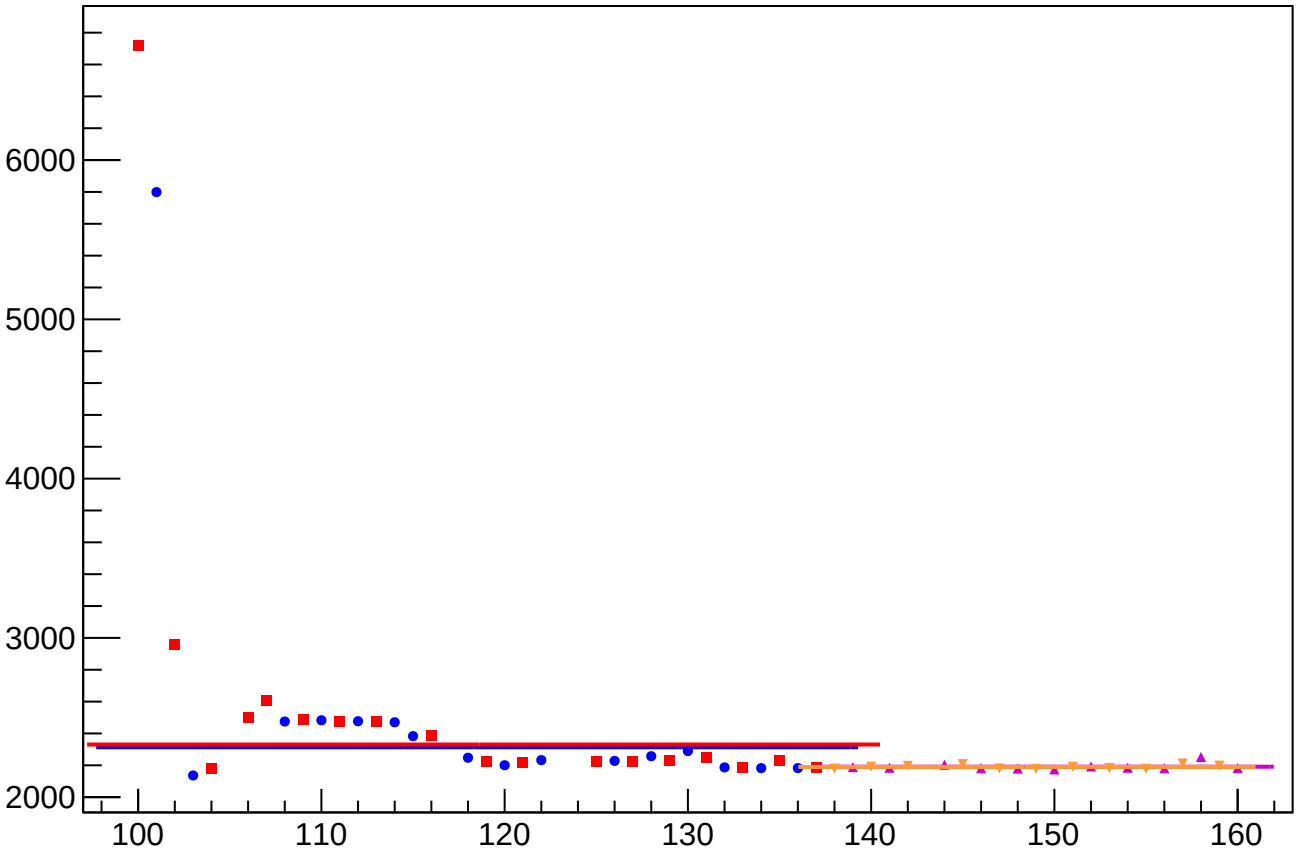
Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: -4355.563+/-708.750 χ^2/NDF:25.7/10

+ sign 4486.825+/-565.529 χ^2/NDF: 26.9/26

All: 16.249+/-394.232 χ^2/NDF: 190.4/55

- sign -4209.981+/-549.857 χ^2/NDF: 41.9/28



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2189.775+/-0.524 χ^2/NDF:483.3/10

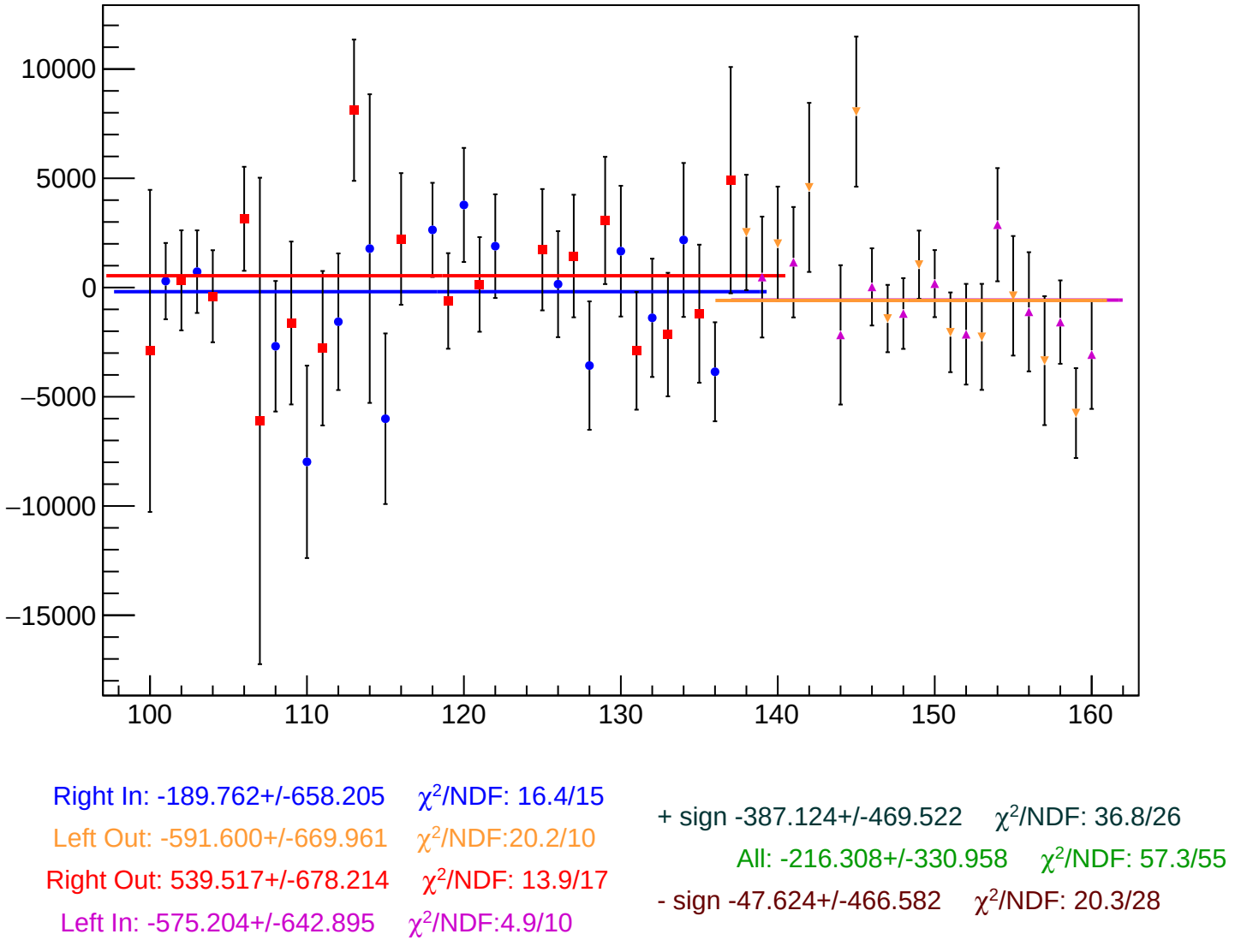
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2191.237+/-0.501 χ^2/NDF:1662.7/10

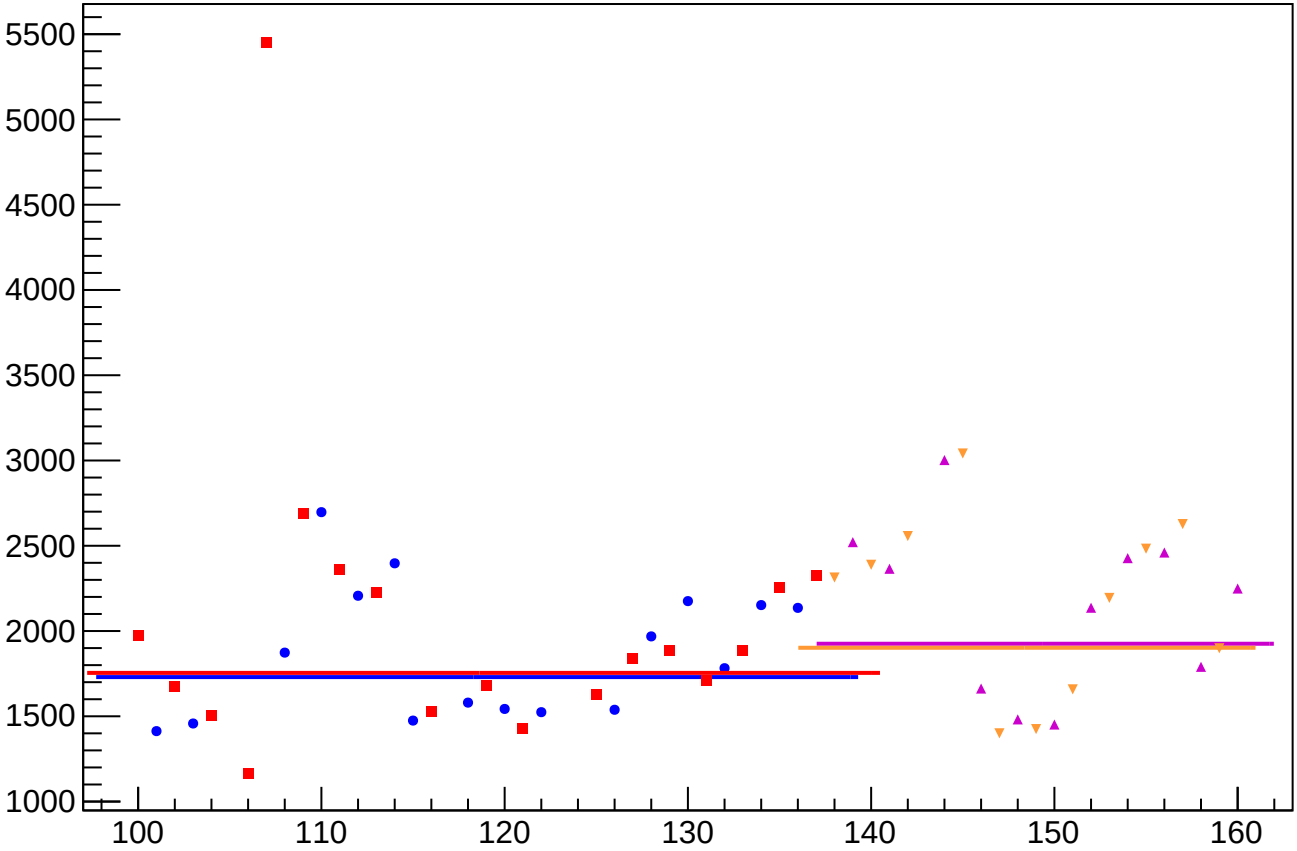
+ sign 2241.404+/-0.400 χ^2/NDF: 536104.5/26

All: 2244.130+/-0.279 χ^2/NDF: 720186.9/55

- 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: -591.600+/-669.961 χ²/NDF:20.2/10
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -575.204+/-642.895 χ²/NDF:4.9/10
+ sign -387.124+/-469.522 χ²/NDF: 36.8/26
All: -216.308+/-330.958 χ²/NDF: 57.3/55
- sign -47.624+/-466.582 χ²/NDF: 20.3/28

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1901.850+/-0.474 χ^2/NDF:1069752.7/10

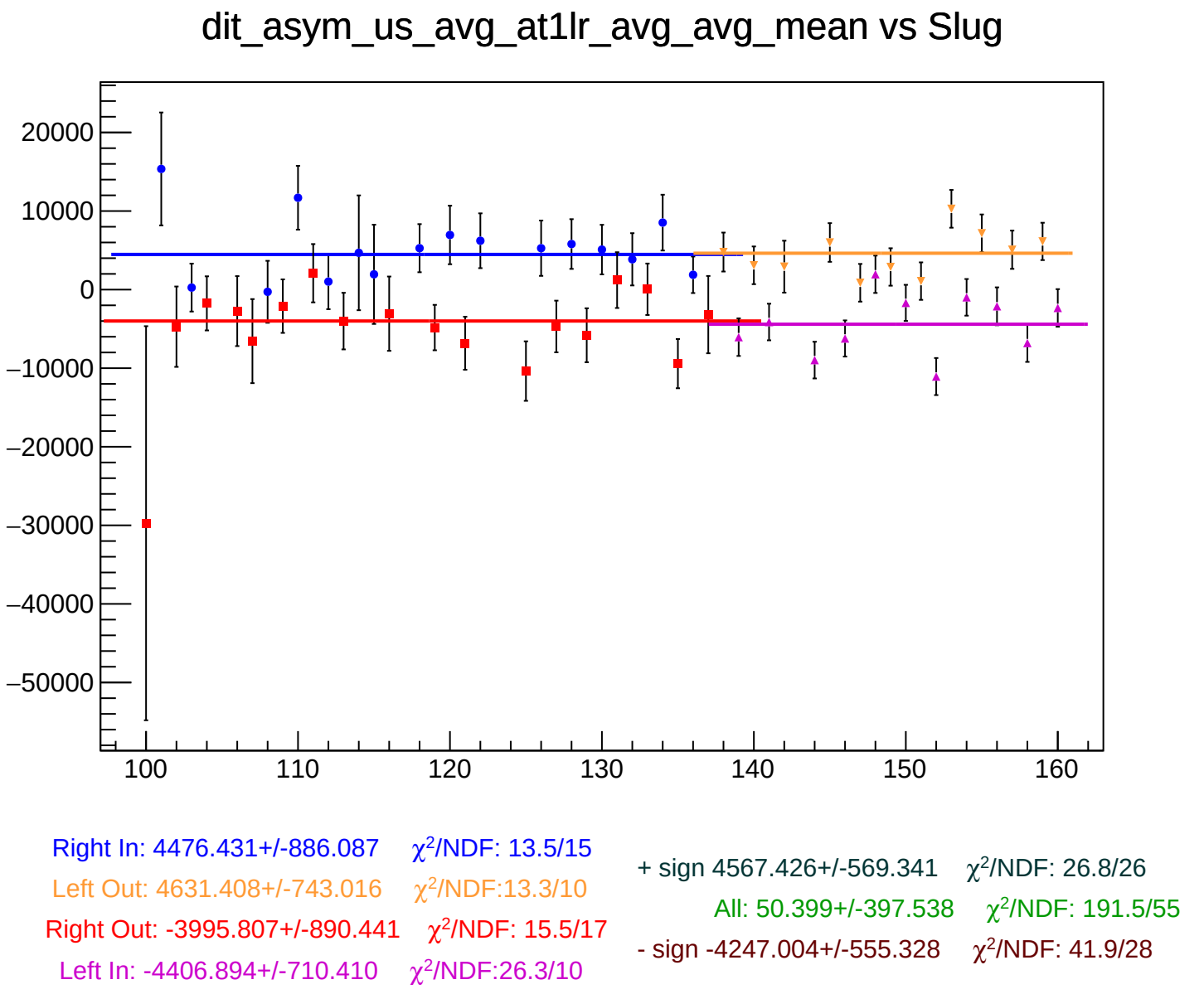
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1925.399+/-0.455 χ^2/NDF:979002.3/10

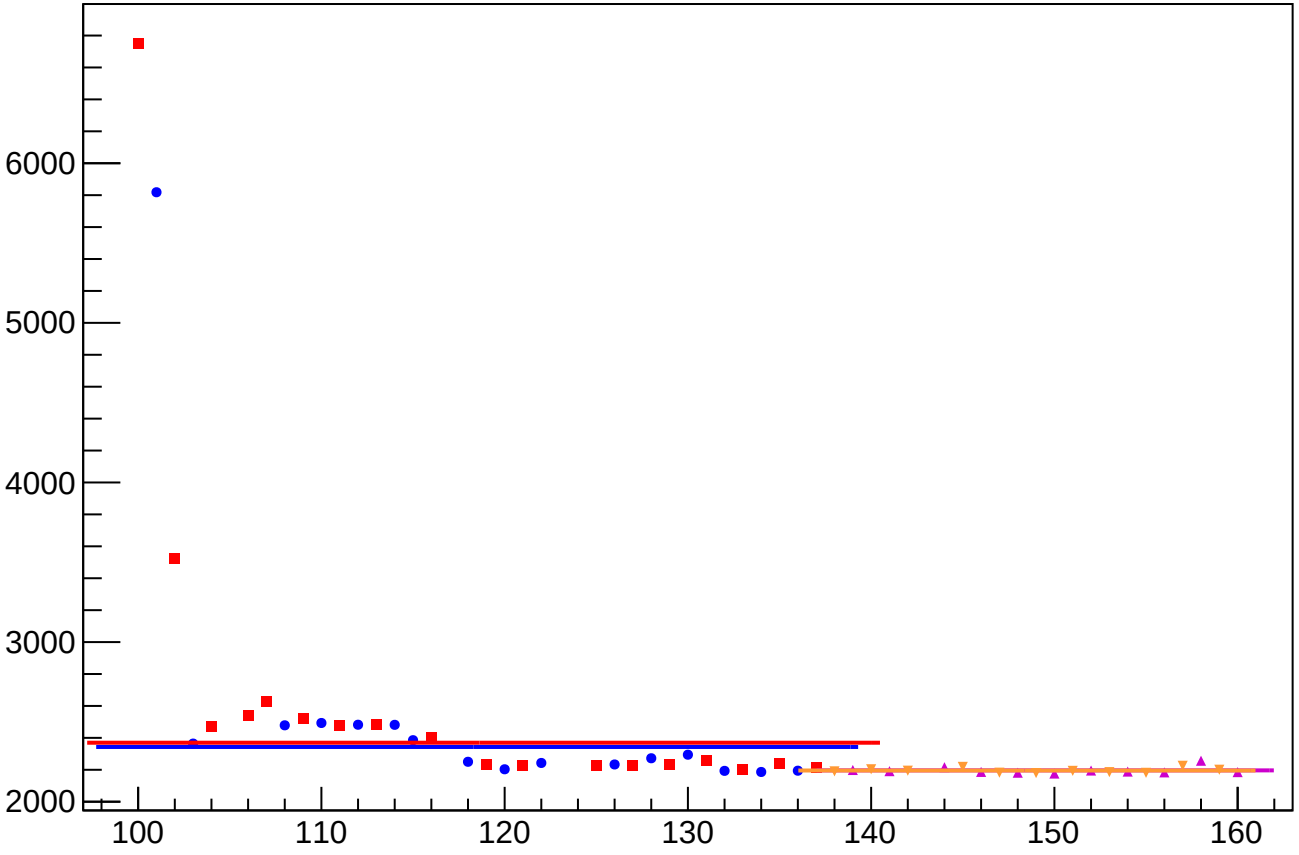
+ sign 1814.352+/-0.332 χ^2/NDF: 1616691.0/26

All: 1829.535+/-0.234 χ^2/NDF: 3417727.4/55

- sign 1844.528+/-0.330 χ^2/NDF: 1796880.0/28


dit_asym_us_avg_at1lr_avg_avg_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: 4476.431+/-886.087 χ²/NDF: 13.5/15
Left Out: 4631.408+/-743.016 χ²/NDF:13.3/10
Right Out: -3995.807+/-890.441 χ²/NDF: 15.5/17
Left In: -4406.894+/-710.410 χ²/NDF:26.3/10
+ sign 4567.426+/-569.341 χ²/NDF: 26.8/26
All: 50.399+/-397.538 χ²/NDF: 191.5/55
- sign -4247.004+/-555.328 χ²/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: 2195.517+/-0.525 χ^2/NDF:771.6/10

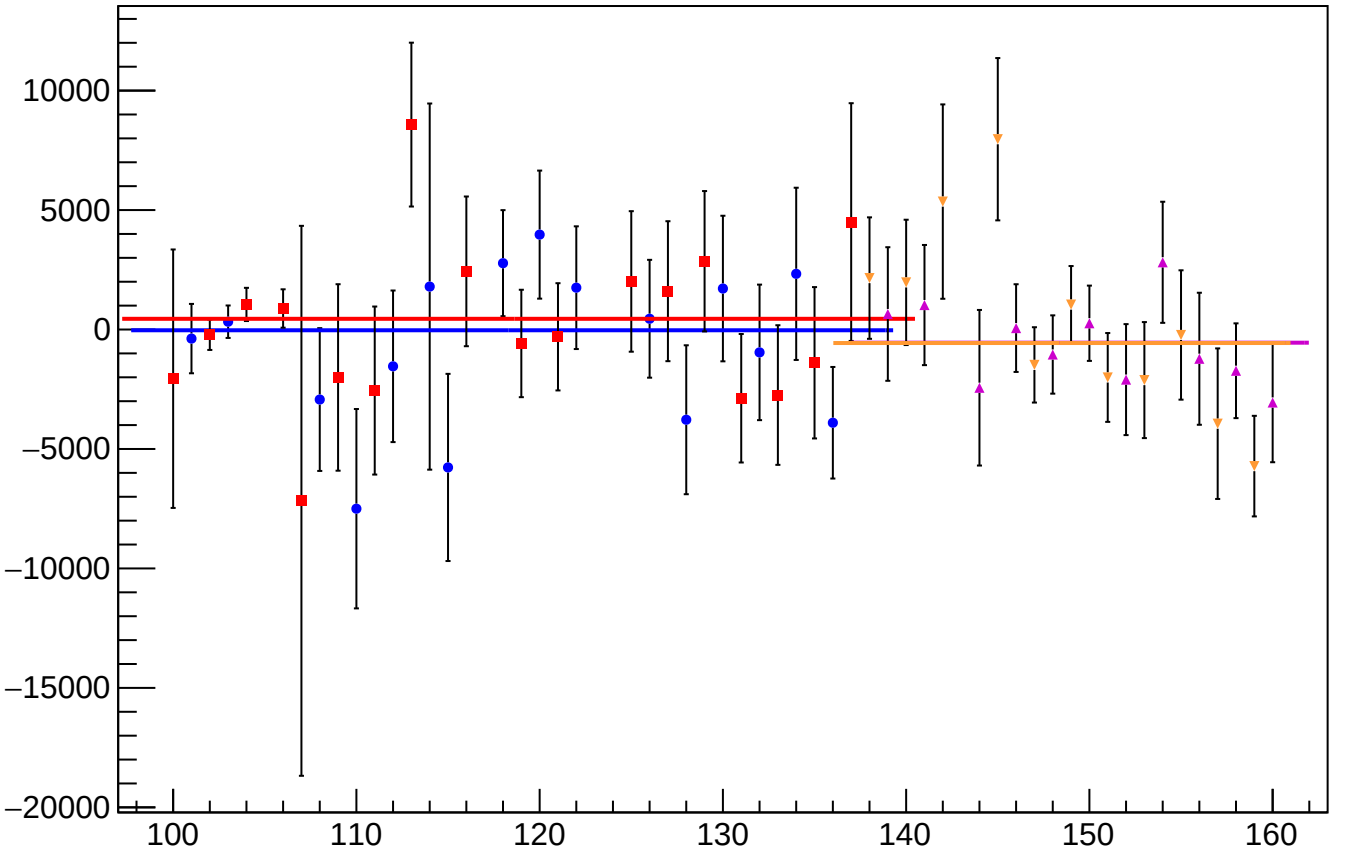
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2196.288+/-0.502 χ^2/NDF:1797.2/10

+ sign 2256.370+/-0.403 χ^2/NDF: 536131.9/26

All: 2260.119+/-0.281 χ^2/NDF: 794528.6/55

- 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: -565.258+/-681.064 χ^2/NDF:20.0/10

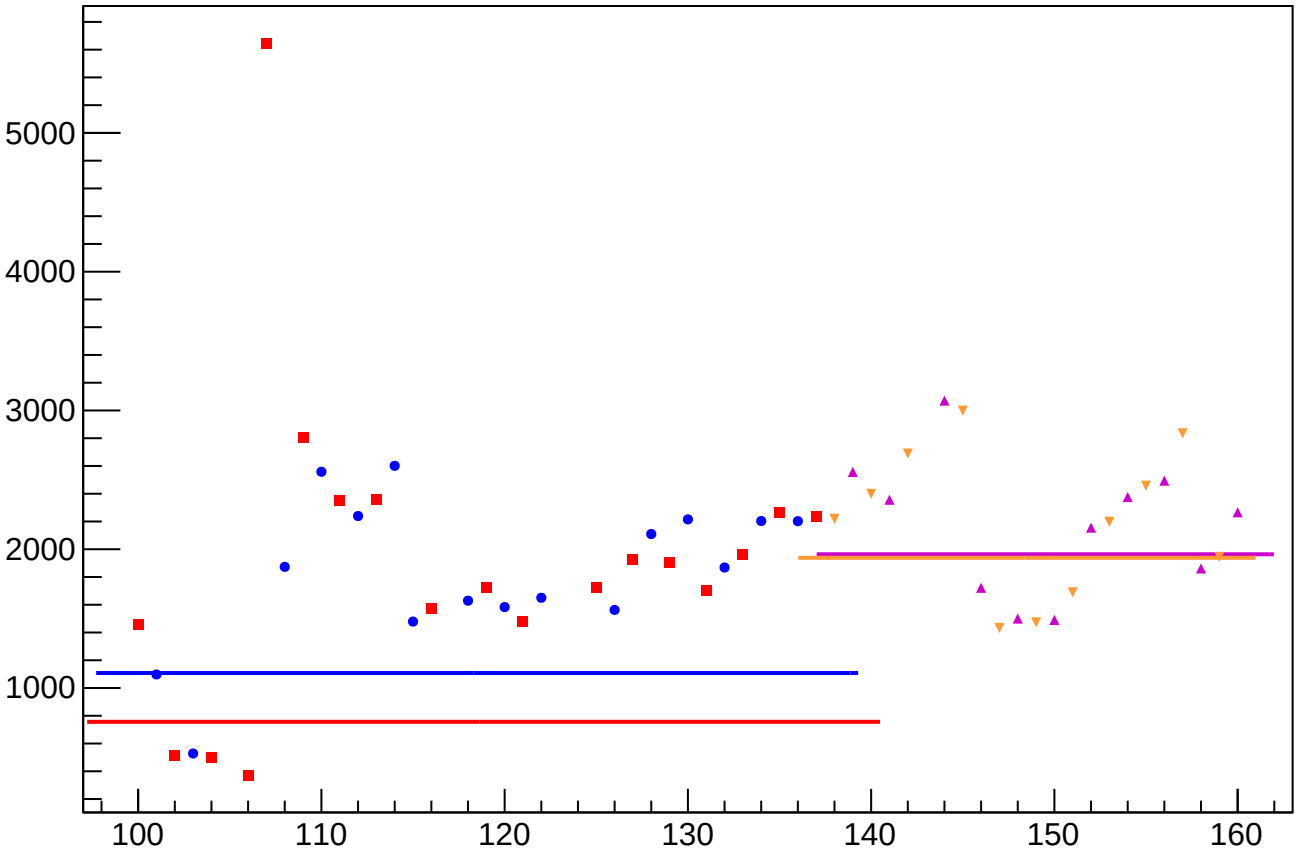
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -551.234+/-653.898 χ^2/NDF:5.0/10

+ sign -211.190+/-395.242 χ^2/NDF: 36.7/26

All: 47.032+/-247.331 χ^2/NDF: 59.3/55

- 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: 1938.324+/-0.482 χ^2/NDF:1015767.8/10

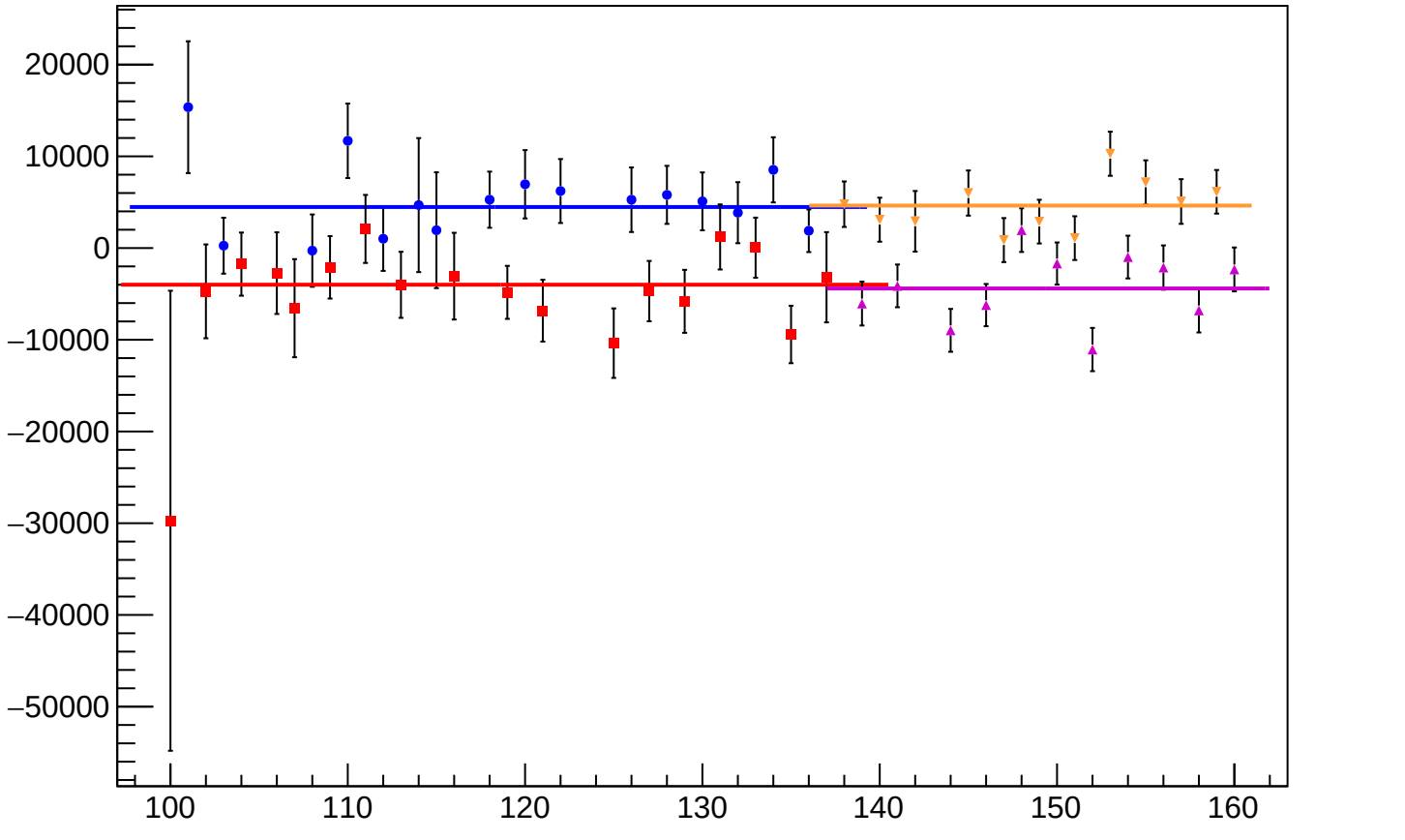
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1963.577+/-0.462 χ^2/NDF:919788.0/10

+ sign 1387.732+/-0.279 χ^2/NDF: 6733118.1/26

All: 1176.338+/-0.175 χ^2/NDF: 19409806.9/5

- 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: 4631.407+/-743.016 χ^2/NDF:13.3/10

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

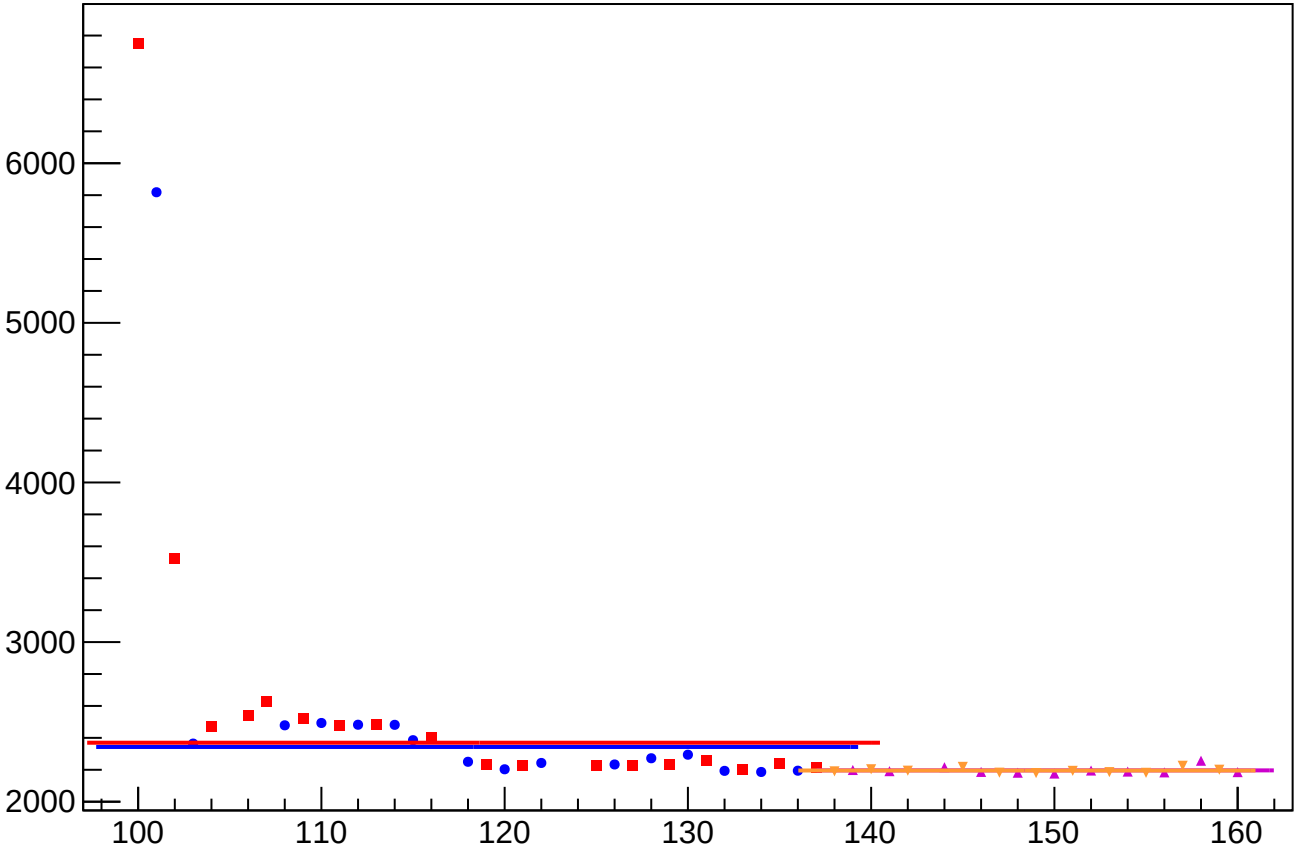
Left In: -4406.896+/-710.410 χ^2/NDF:26.3/10

+ sign 4567.423+/-569.341 χ^2/NDF: 26.8/26

All: 50.398+/-397.538 χ^2/NDF: 191.5/55

- 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: 2195.517+/-0.525 χ^2/NDF:771.6/10

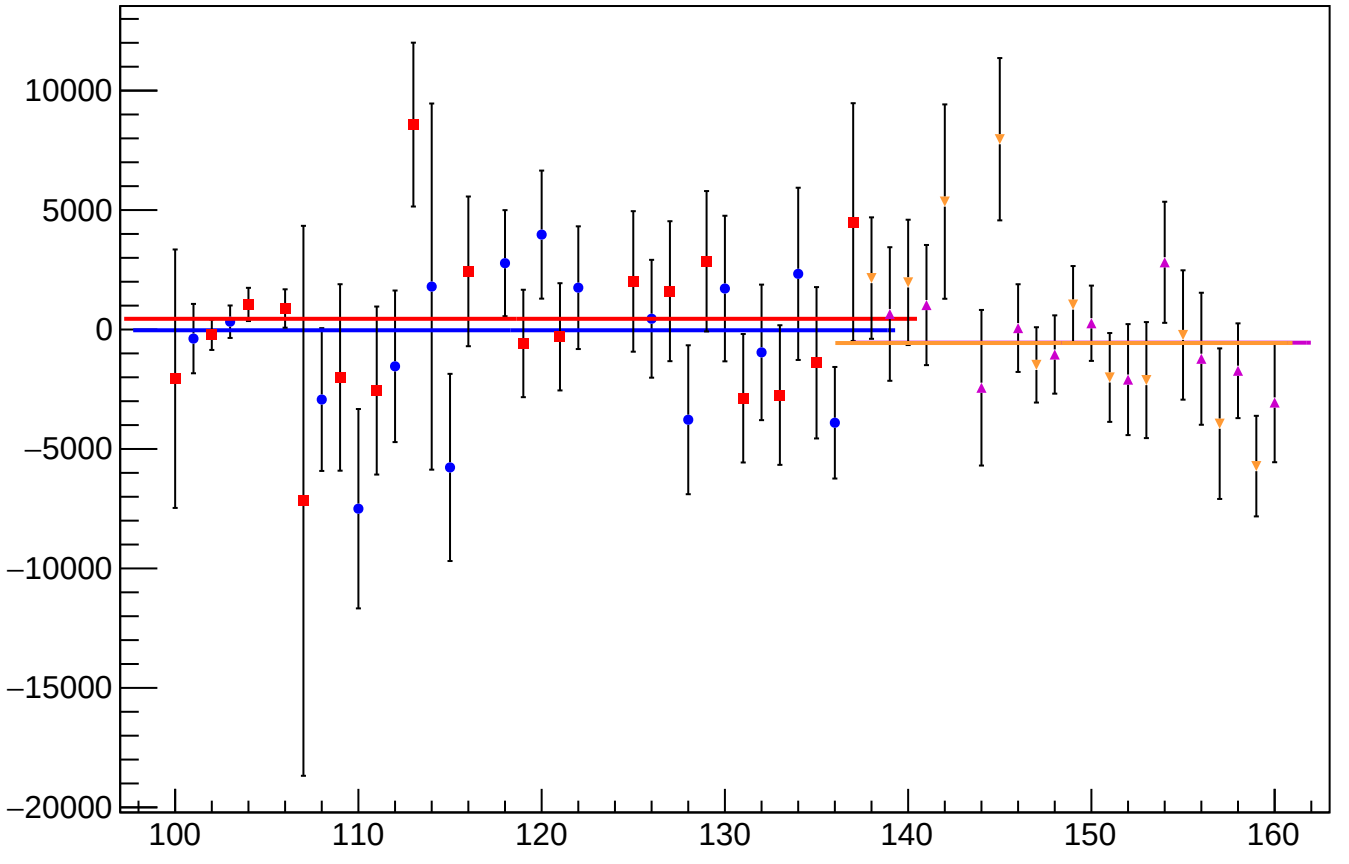
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2196.288+/-0.502 χ^2/NDF:1797.2/10

+ sign 2256.370+/-0.403 χ^2/NDF: 536131.7/26

All: 2260.119+/-0.281 χ^2/NDF: 794527.0/55

- 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: -565.263+/-681.065 χ^2/NDF:20.0/10

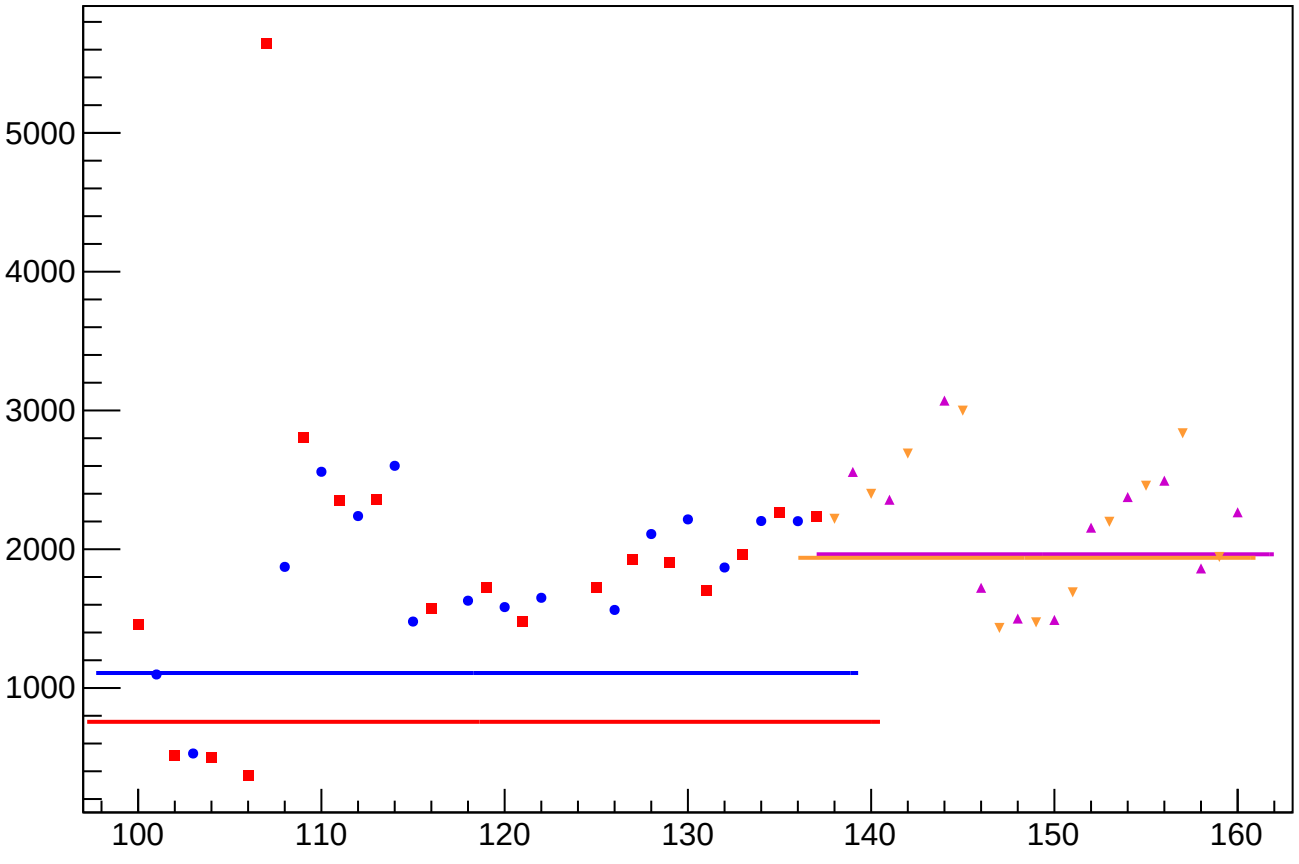
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -551.236+/-653.899 χ^2/NDF:5.0/10

+ sign -211.197+/-395.244 χ^2/NDF: 36.7/26

All: 47.027+/-247.333 χ^2/NDF: 59.3/55

- 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: 1938.327+/-0.482 χ^2/NDF:1015767.6/10

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

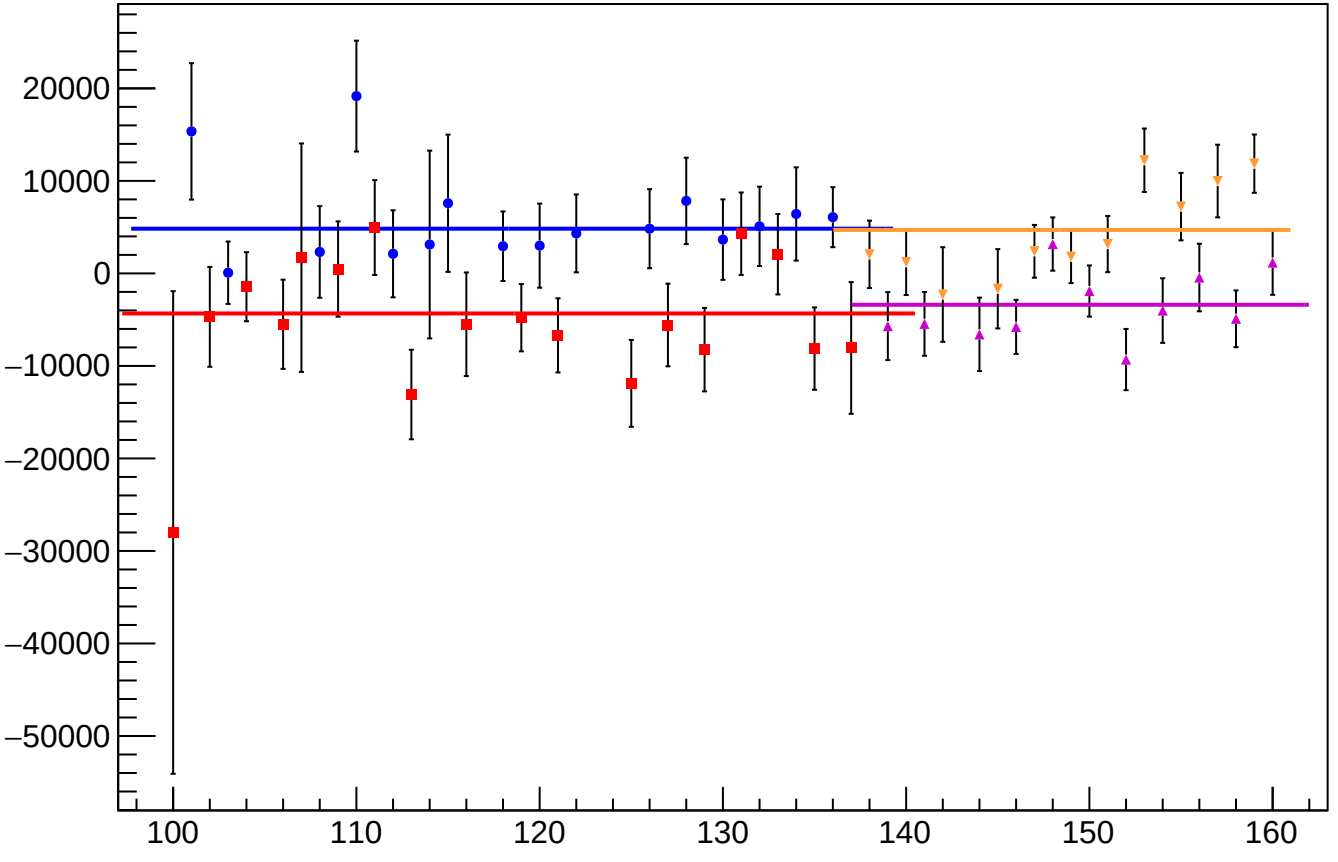
Left In: 1963.581+/-0.462 χ^2/NDF:919787.2/10

+ sign 1387.741+/-0.279 χ^2/NDF: 6733000.8/26

All: 1176.354+/-0.175 χ^2/NDF: 19409367.3/5

- 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: 4699.230+/-1038.411 χ^2/NDF:19.8/10

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

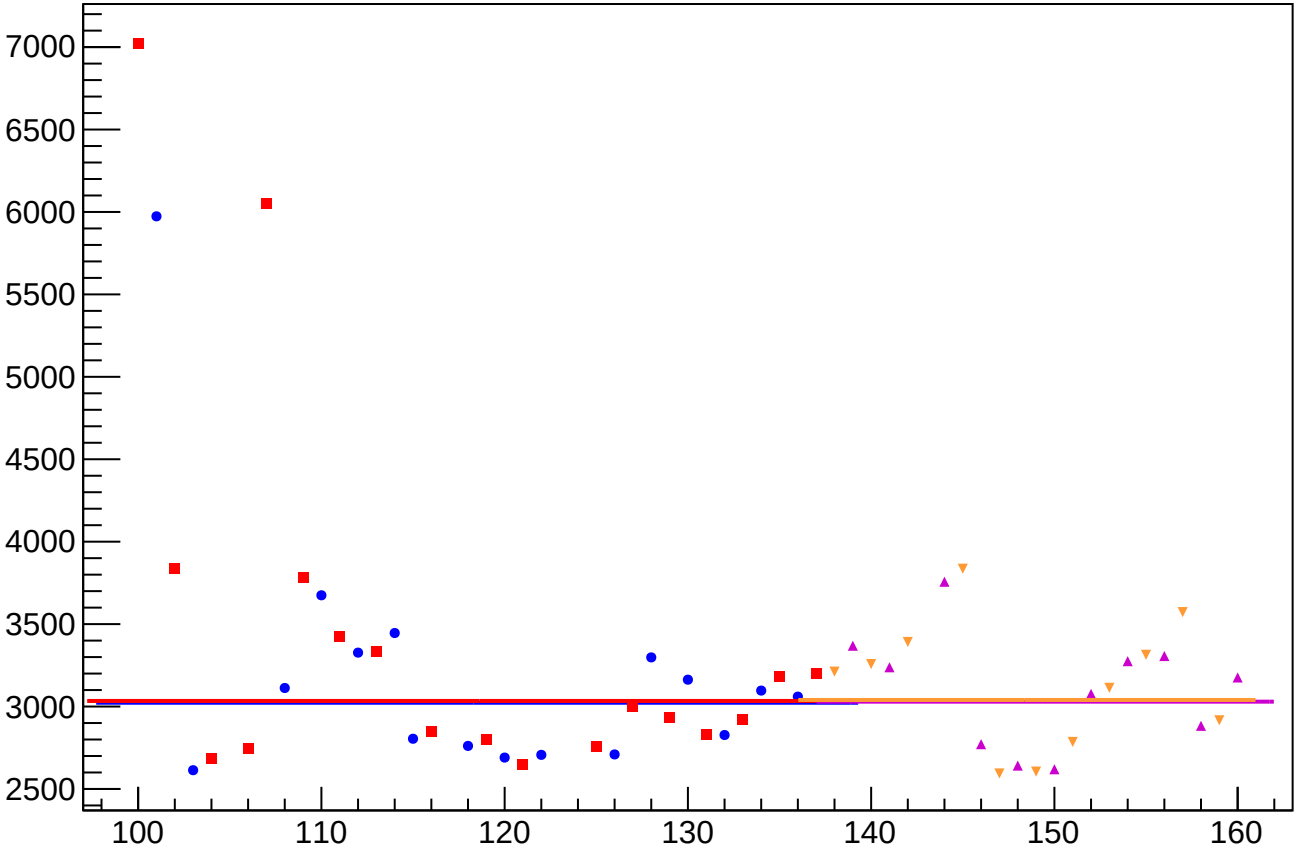
Left In: -3388.526+/-986.979 χ^2/NDF:13.4/10

+ sign 4760.108+/-768.448 χ^2/NDF: 31.4/26

All: 366.918+/-535.796 χ^2/NDF: 128.7/55

- 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: 3039.843+/-0.734 χ^2/NDF:251860.8/10

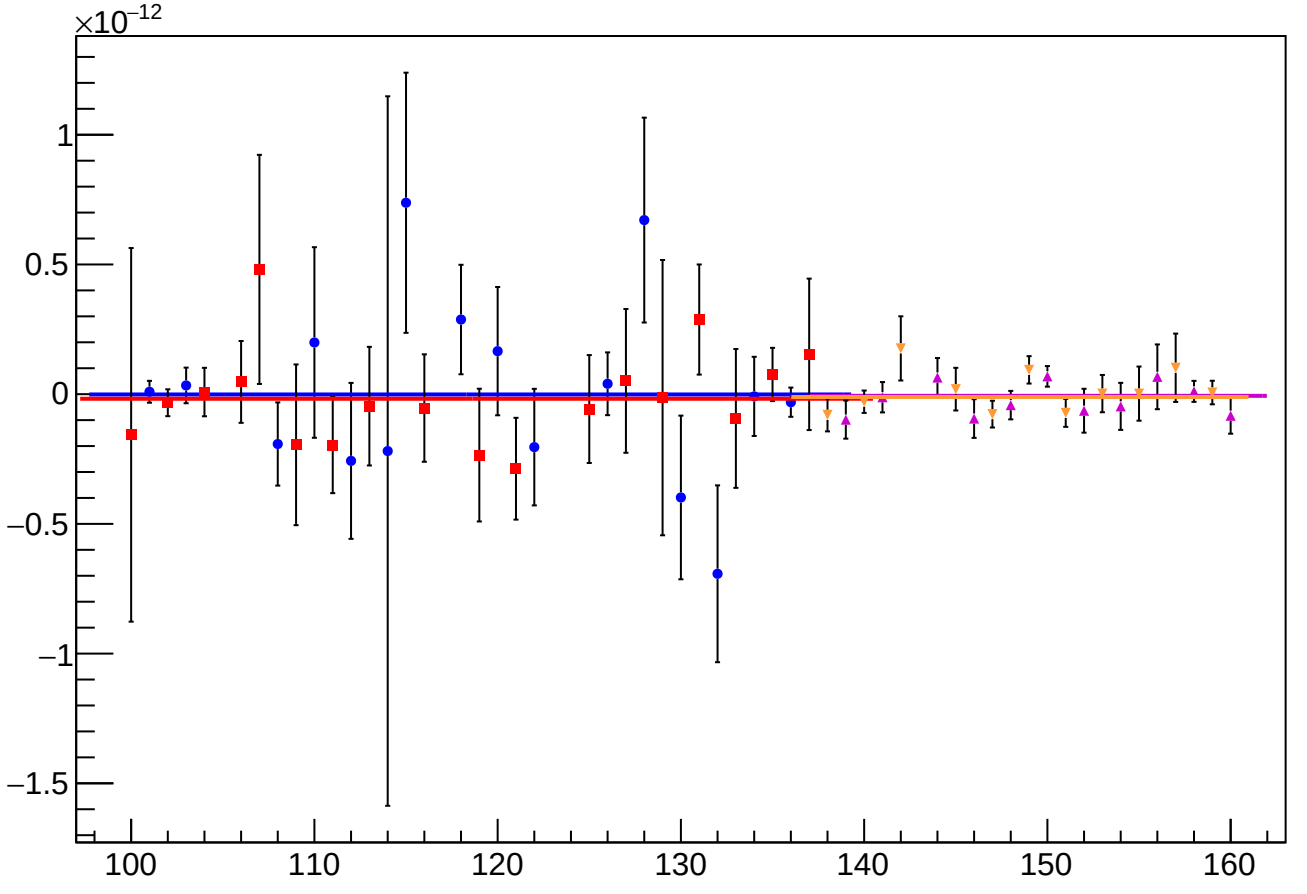
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3029.593+/-0.698 χ^2/NDF:217094.1/10

+ sign 3032.255+/-0.543 χ^2/NDF: 695802.6/26

All: 3031.824+/-0.379 χ^2/NDF: 1255588.6/55

- 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:11.5/10

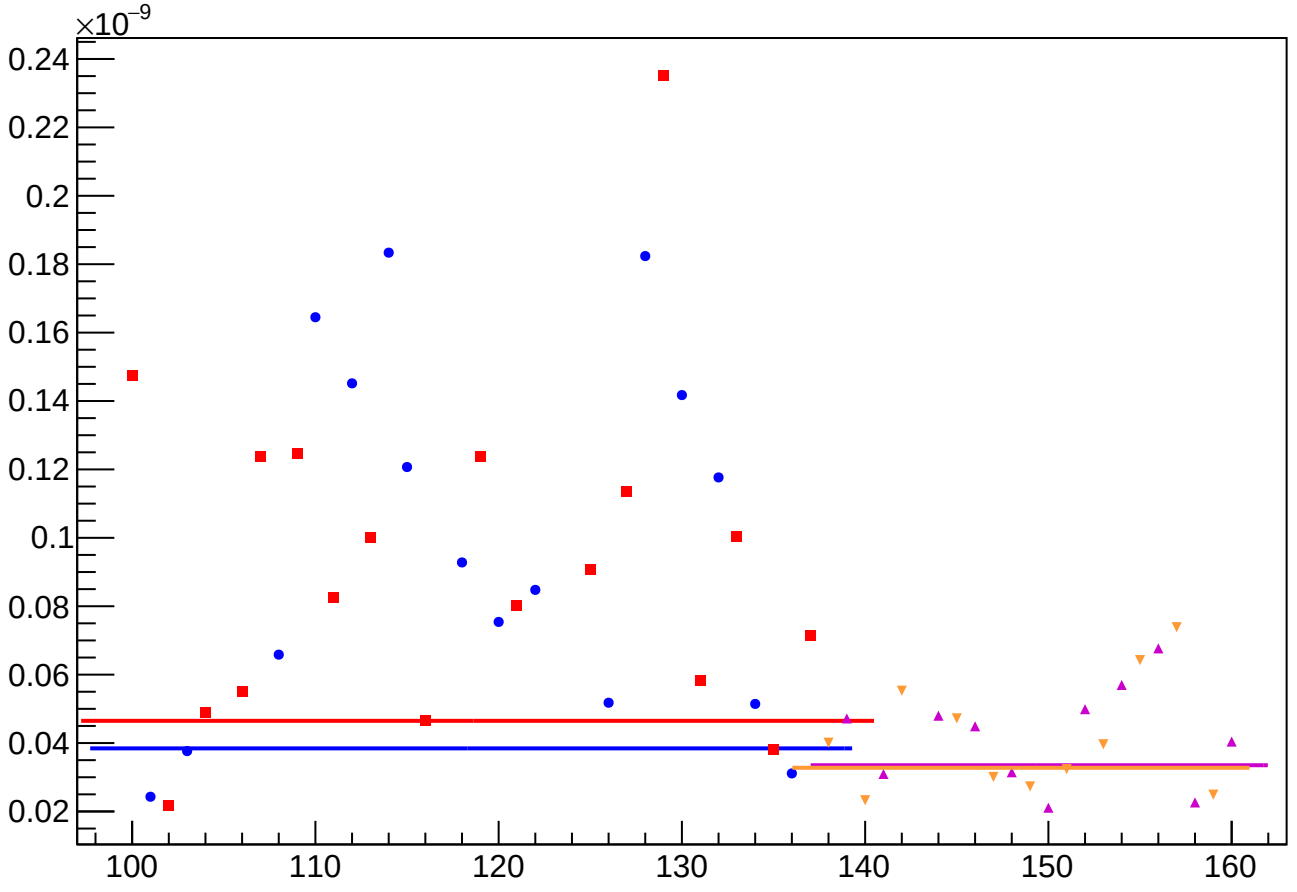
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:10.2/10

+ sign -0.000+/-0.000 χ^2/NDF: 28.7/26

All: -0.000+/-0.000 χ^2/NDF: 48.0/55

- 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:733269.1/10

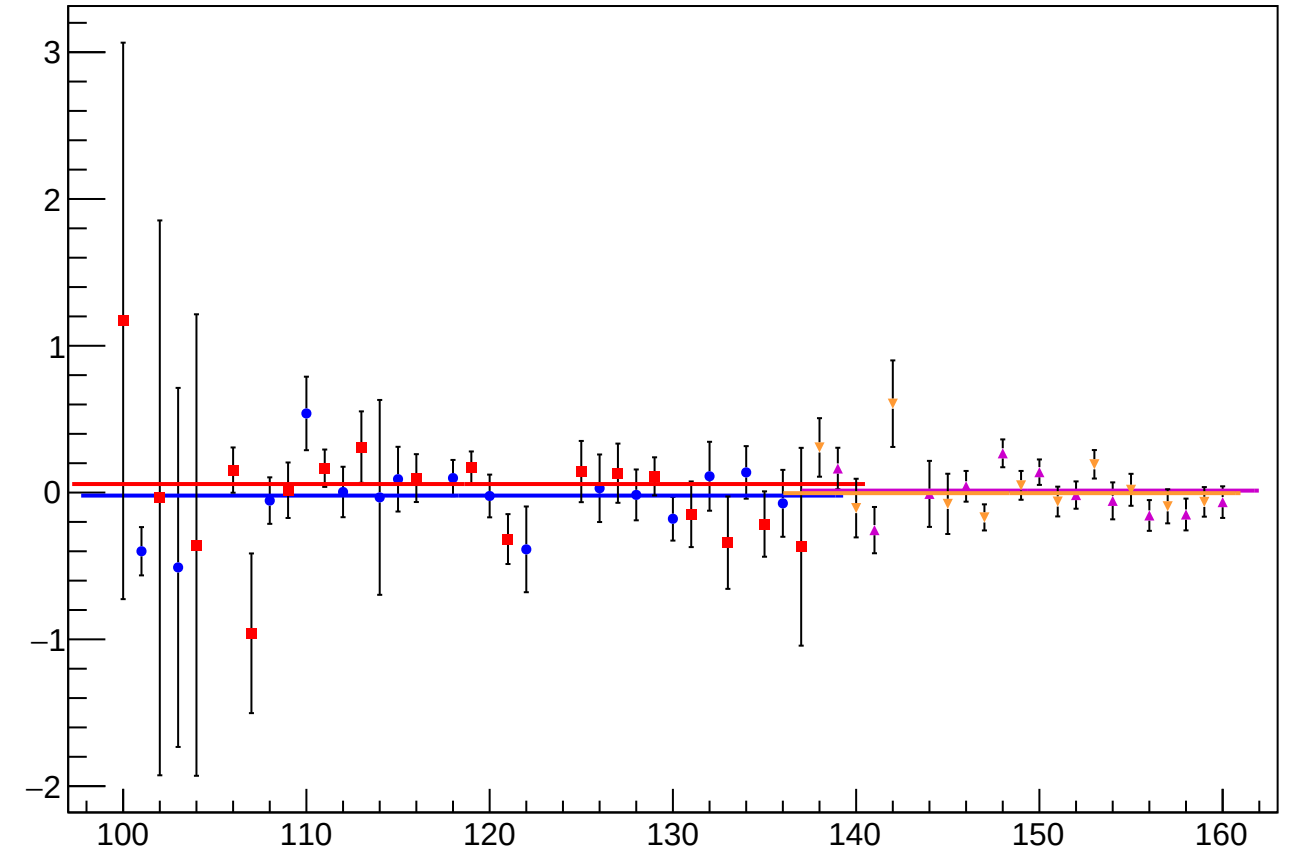
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:916289.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 2563847.5/26

All: 0.000+/-0.000 χ^2/NDF: 5410680.8/55

- 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: -0.004+/-0.036 χ^2/NDF:16.2/10

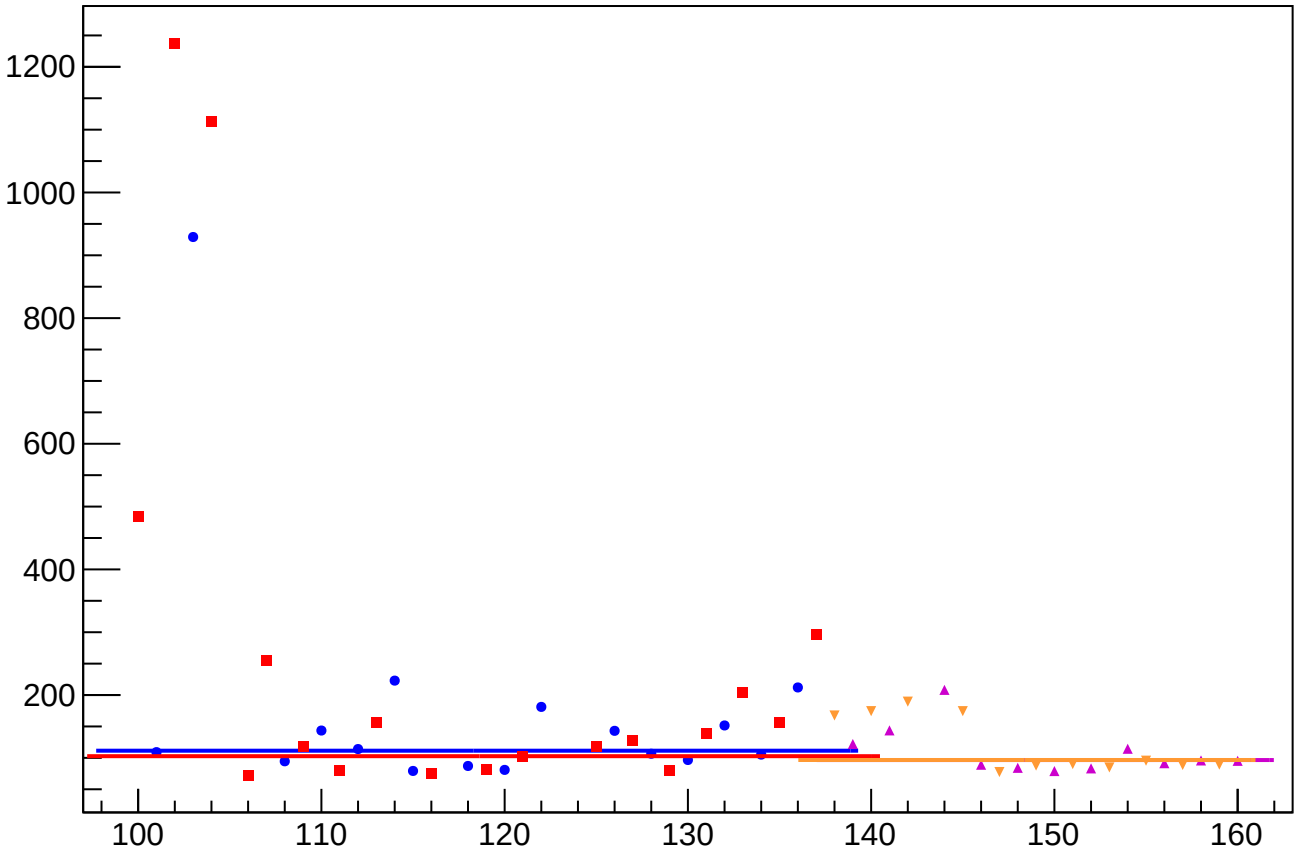
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.013+/-0.034 χ^2/NDF:19.2/10

+ sign -0.010+/-0.029 χ^2/NDF: 32.0/26

All: 0.010+/-0.020 χ^2/NDF: 69.6/55

- 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: 96.614+/-0.025 χ^2/NDF:1208684.7/10

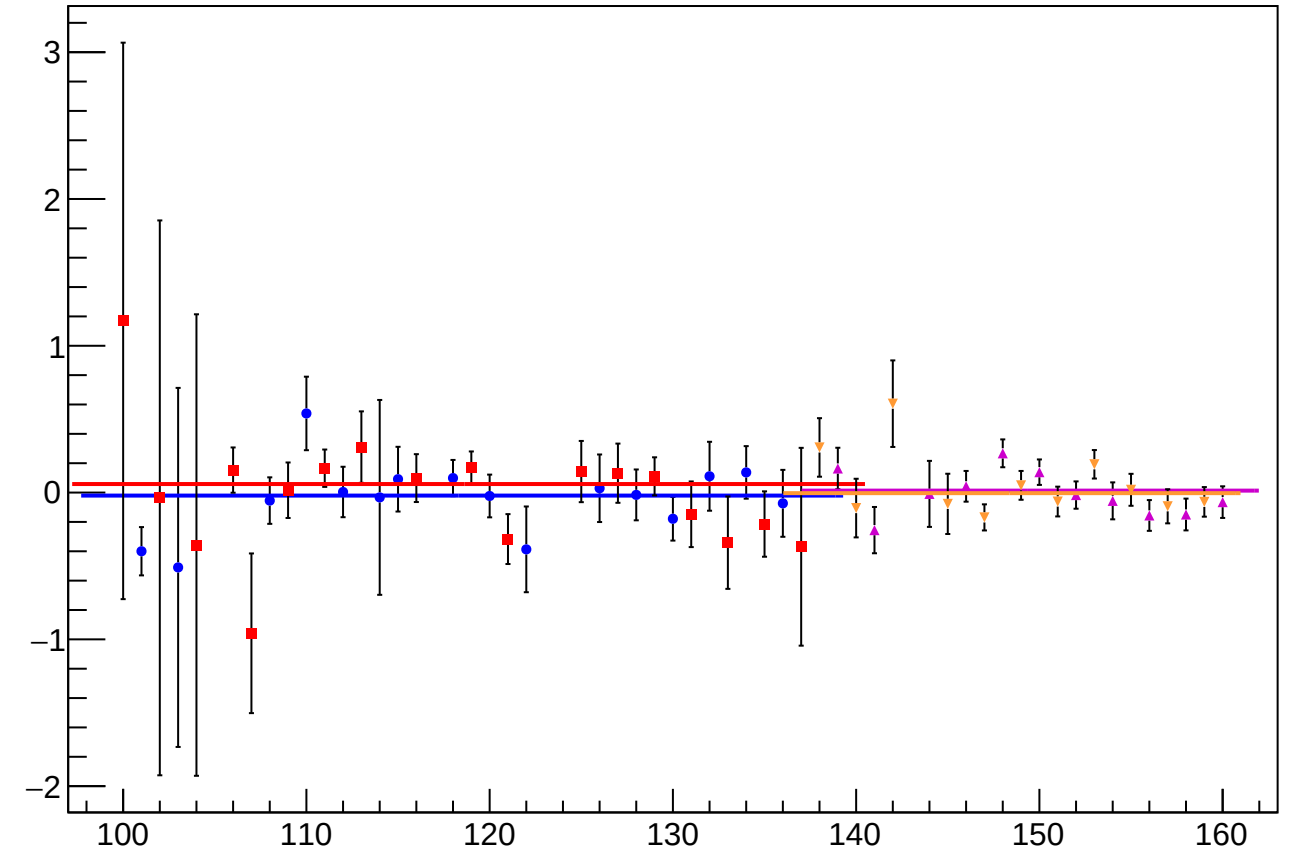
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.523+/-0.024 χ^2/NDF:950263.0/10

+ sign 101.973+/-0.020 χ^2/NDF: 3171076.2/26

All: 100.218+/-0.014 χ^2/NDF: 6985494.7/55

- 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: -0.004+/-0.036 χ^2/NDF:16.2/10

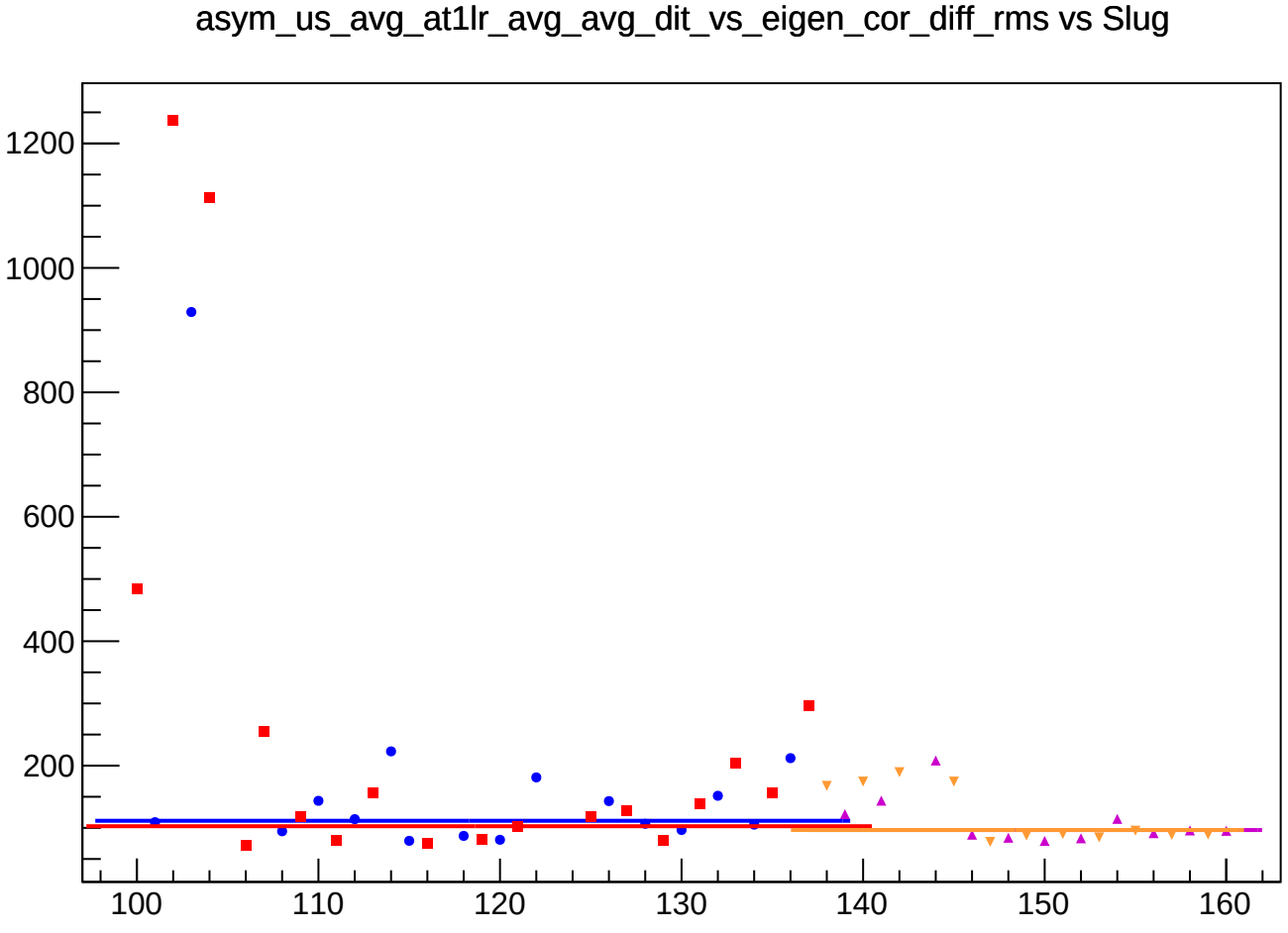
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.013+/-0.034 χ^2/NDF:19.2/10

\+ sign -0.010+/-0.029 χ^2/NDF: 32.0/26

All: 0.010+/-0.020 χ^2/NDF: 69.6/55

\- 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: 96.614+/-0.025 χ^2/NDF:1208684.7/10

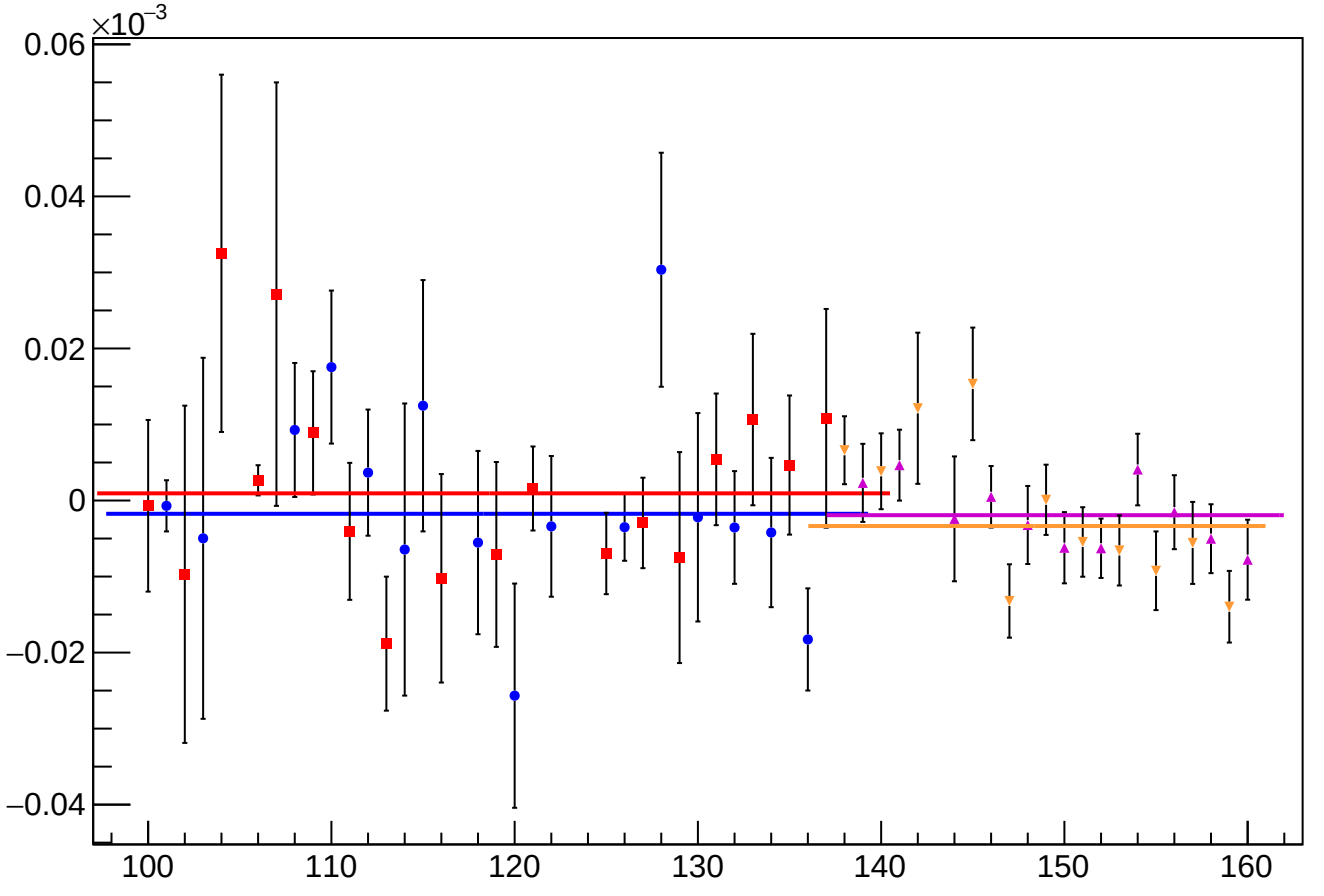
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.523+/-0.024 χ^2/NDF:950263.0/10

+ sign 101.973+/-0.020 χ^2/NDF: 3171076.2/26

All: 100.218+/-0.014 χ^2/NDF: 6985494.7/55

- sign 98.637+/-0.019 χ^2/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:27.8/10

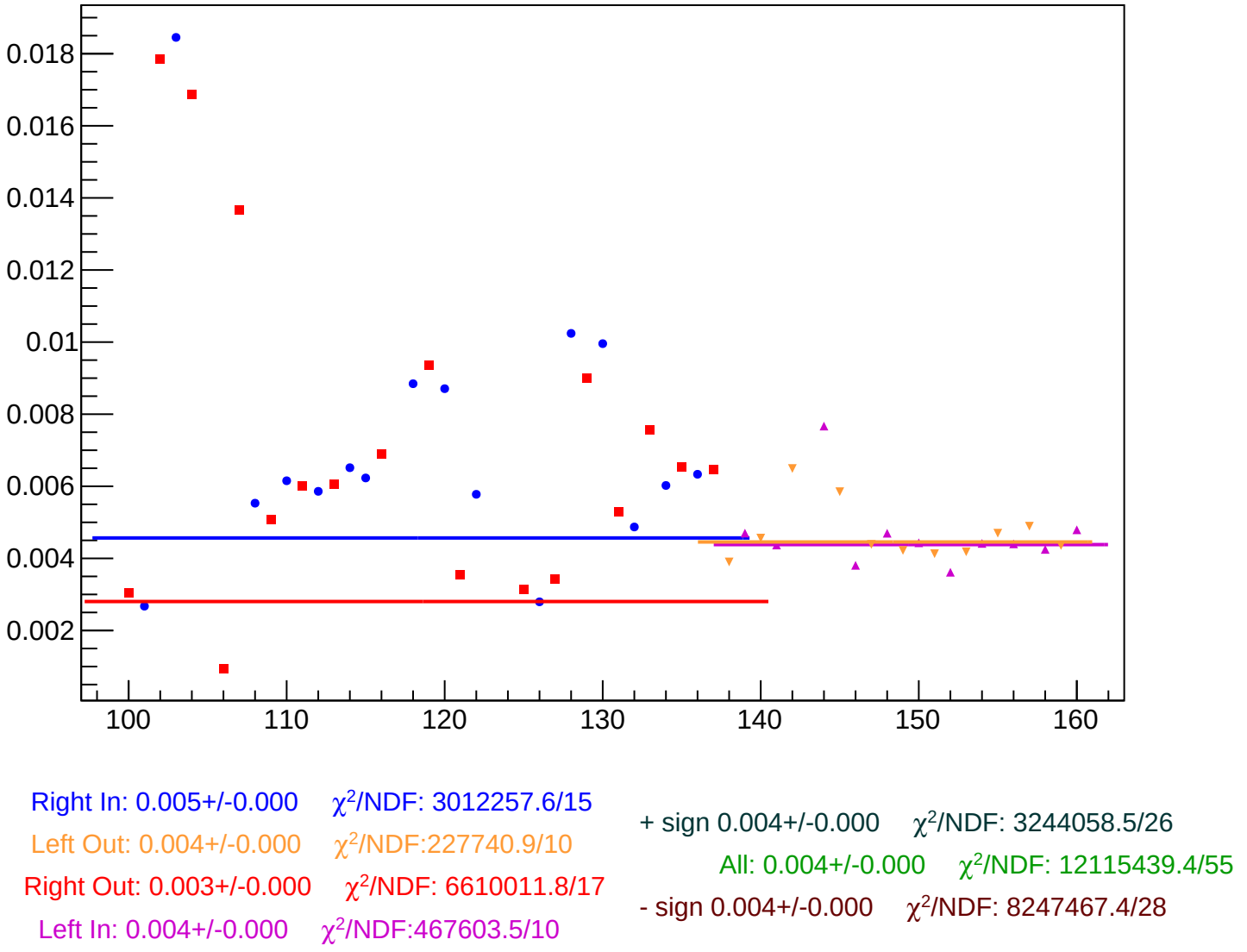
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

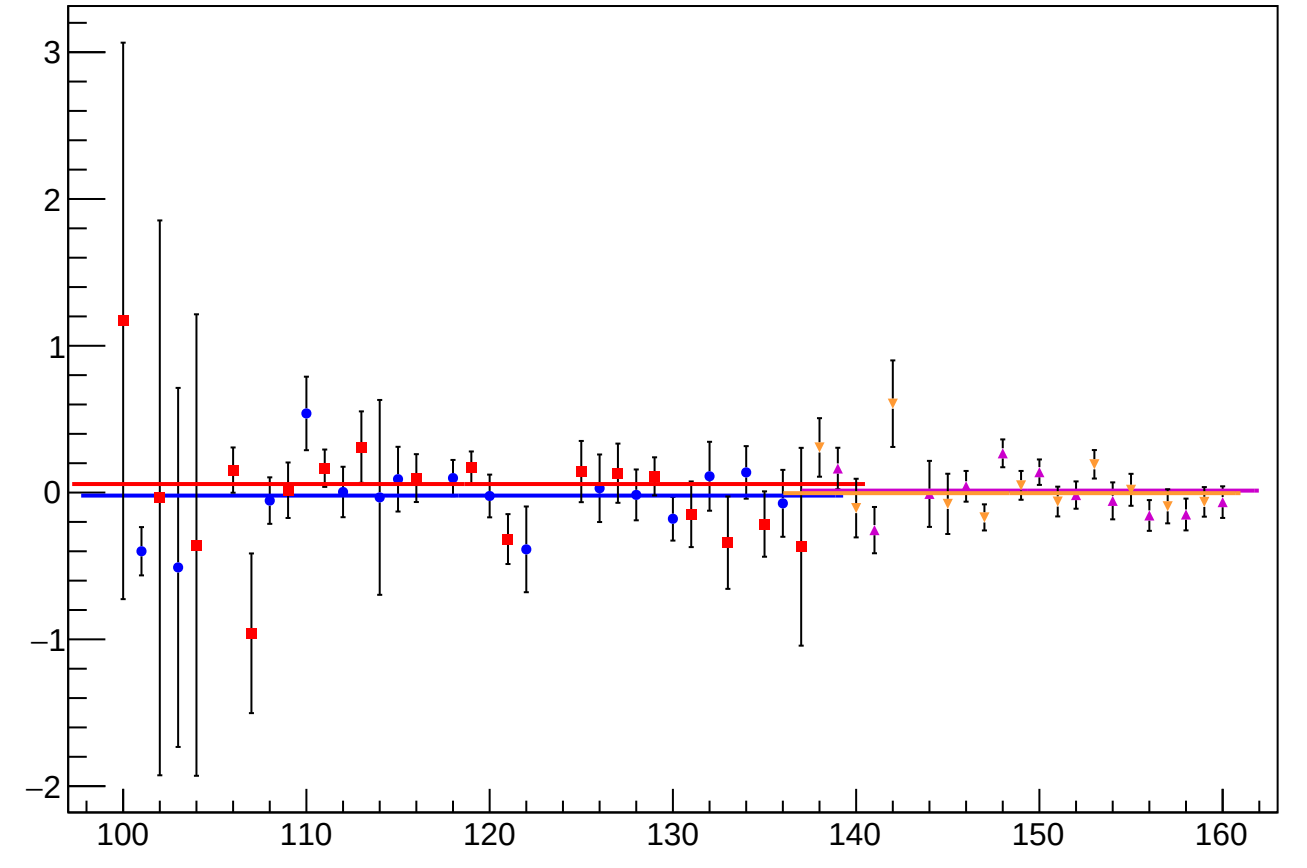
Left In: -0.000+/-0.000 χ^2/NDF:8.5/10

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

All: -0.000+/-0.000 χ^2/NDF: 76.4/55

- 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:227740.9/10
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:467603.5/10
+ sign 0.004+/-0.000 χ²/NDF: 3244058.5/26
All: 0.004+/-0.000 χ²/NDF: 12115439.4/55
- sign 0.004+/-0.000 χ²/NDF: 8247467.4/28



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.004+/-0.036 χ^2/NDF:16.2/10

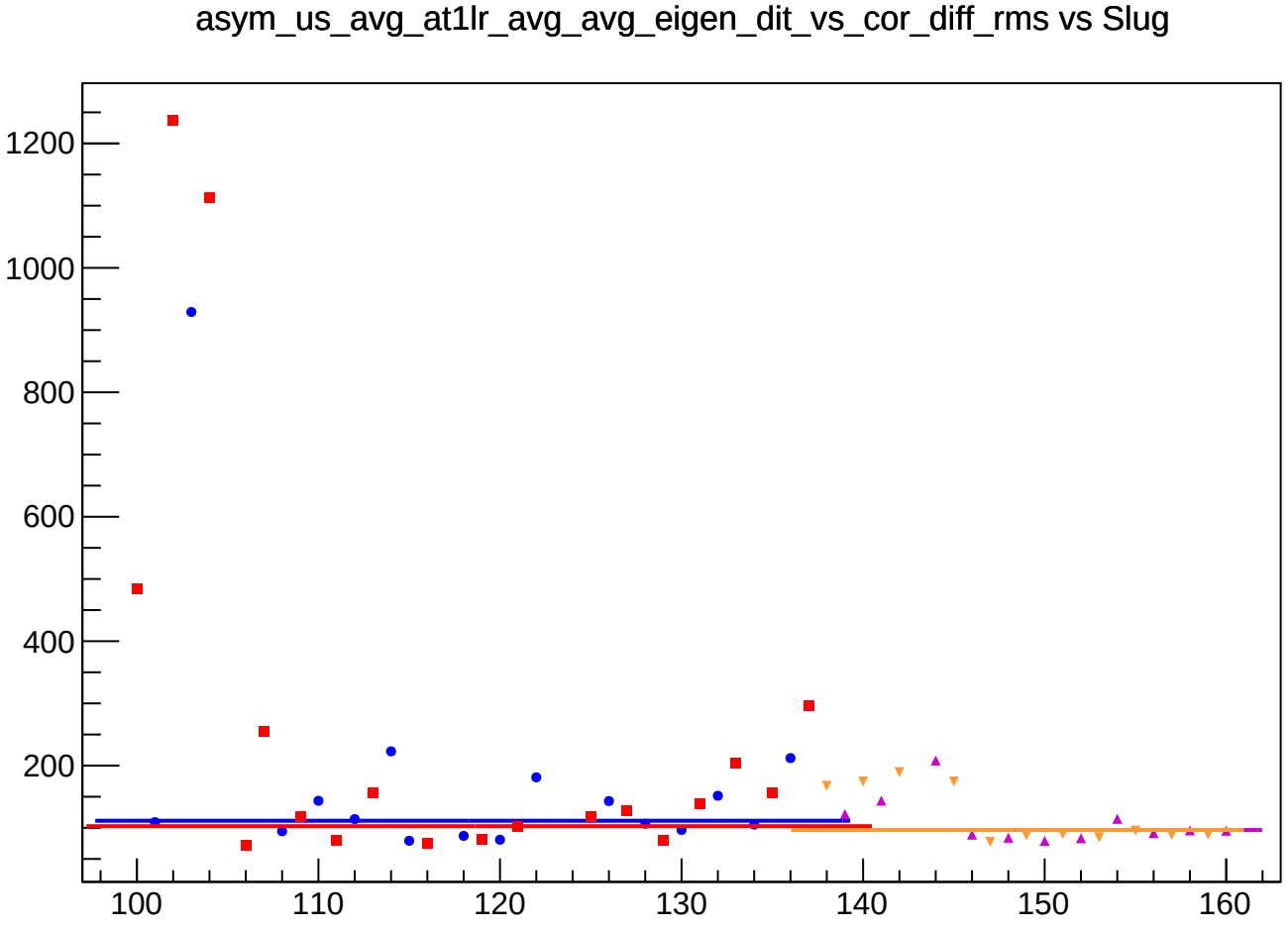
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.013+/-0.034 χ^2/NDF:19.2/10

\+ sign -0.010+/-0.029 χ^2/NDF: 32.0/26

All: 0.010+/-0.020 χ^2/NDF: 69.6/55

\- sign 0.029+/-0.027 χ^2/NDF: 36.7/28



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 96.614+/-0.025 χ^2/NDF:1208666.4/10

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

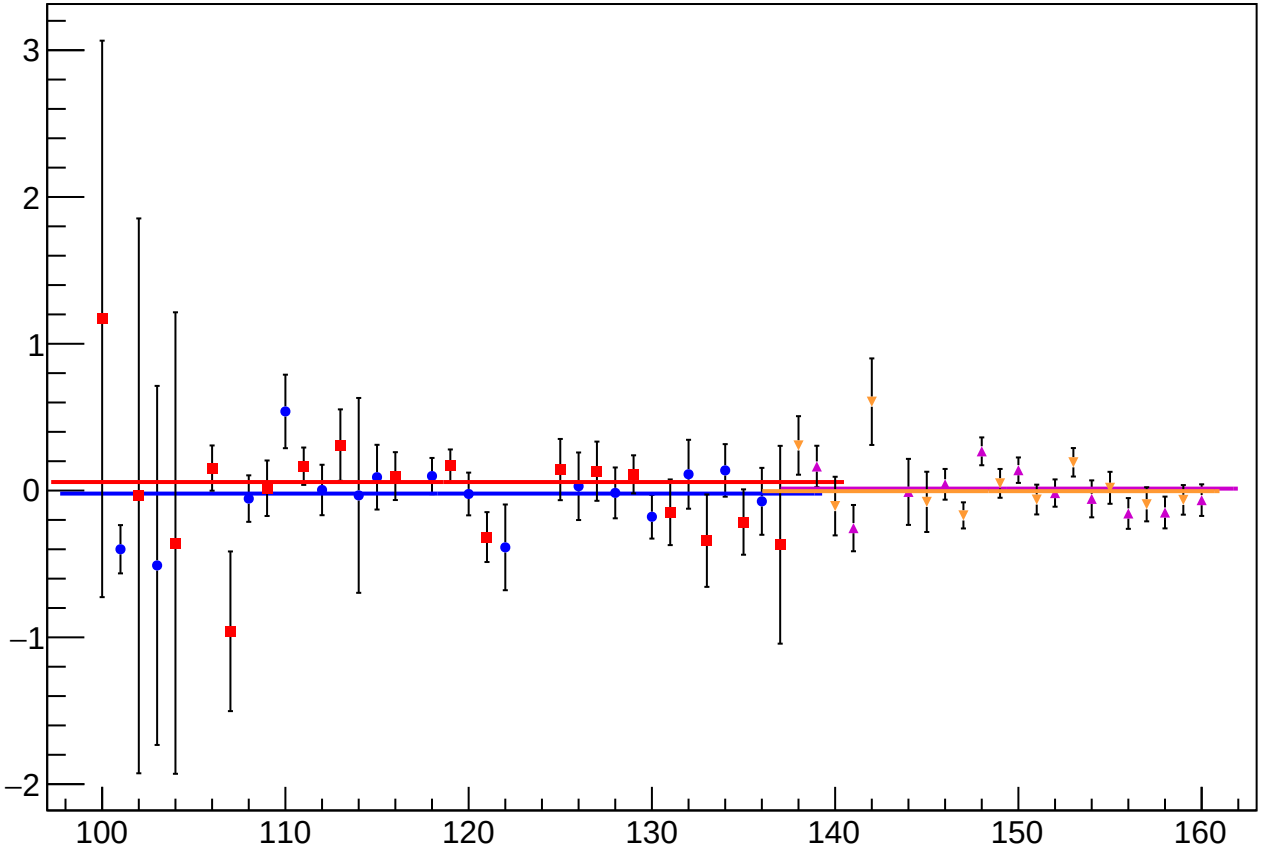
Left In: 96.524+/-0.024 χ^2/NDF:950250.1/10

+ sign 101.973+/-0.020 χ^2/NDF: 3171058.4/26

All: 100.217+/-0.014 χ^2/NDF: 6985440.9/55

- sign 98.637+/-0.019 χ^2/NDF: 3800135.1/28

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.004+/-0.036 χ^2/NDF:16.2/10

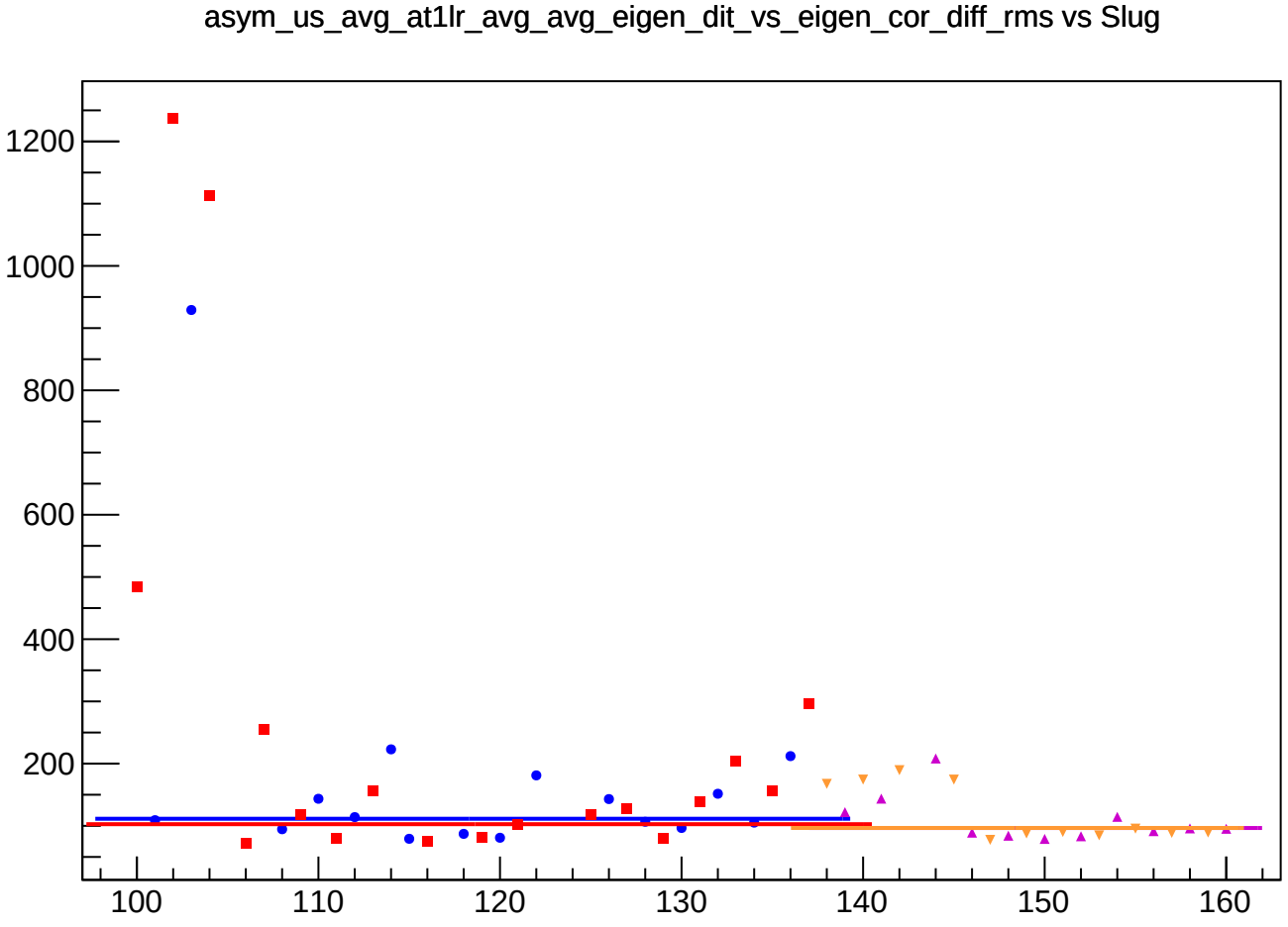
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.013+/-0.034 χ^2/NDF:19.2/10

+ sign -0.010+/-0.029 χ^2/NDF: 32.0/26

All: 0.010+/-0.020 χ^2/NDF: 69.6/55

- sign 0.029+/-0.027 χ^2/NDF: 36.7/28



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 96.614+/-0.025 χ^2/NDF:1208666.4/10

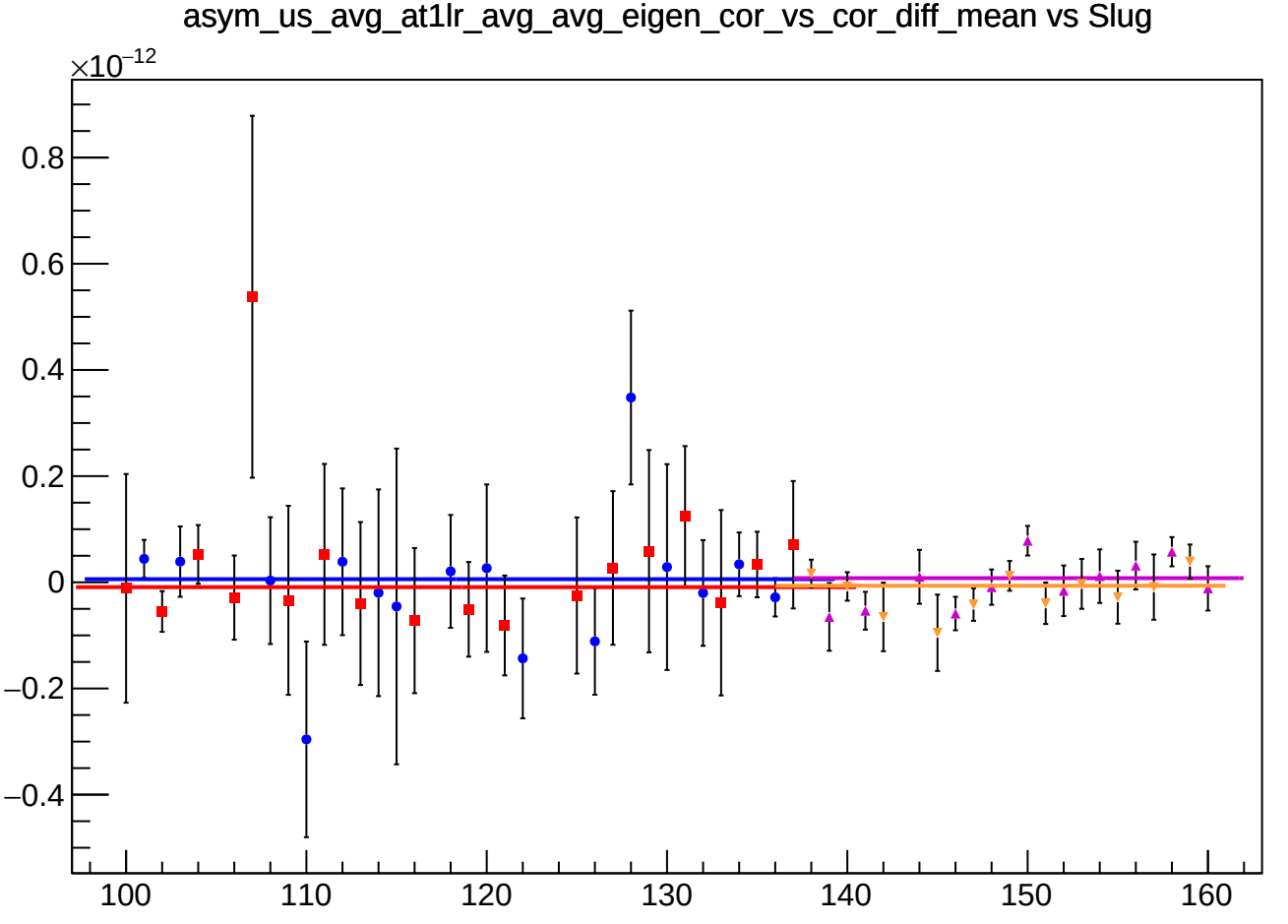
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.524+/-0.024 χ^2/NDF:950250.1/10

+ sign 101.973+/-0.020 χ^2/NDF: 3171058.4/26

All: 100.217+/-0.014 χ^2/NDF: 6985440.9/55

- sign 98.637+/-0.019 χ^2/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:7.8/10

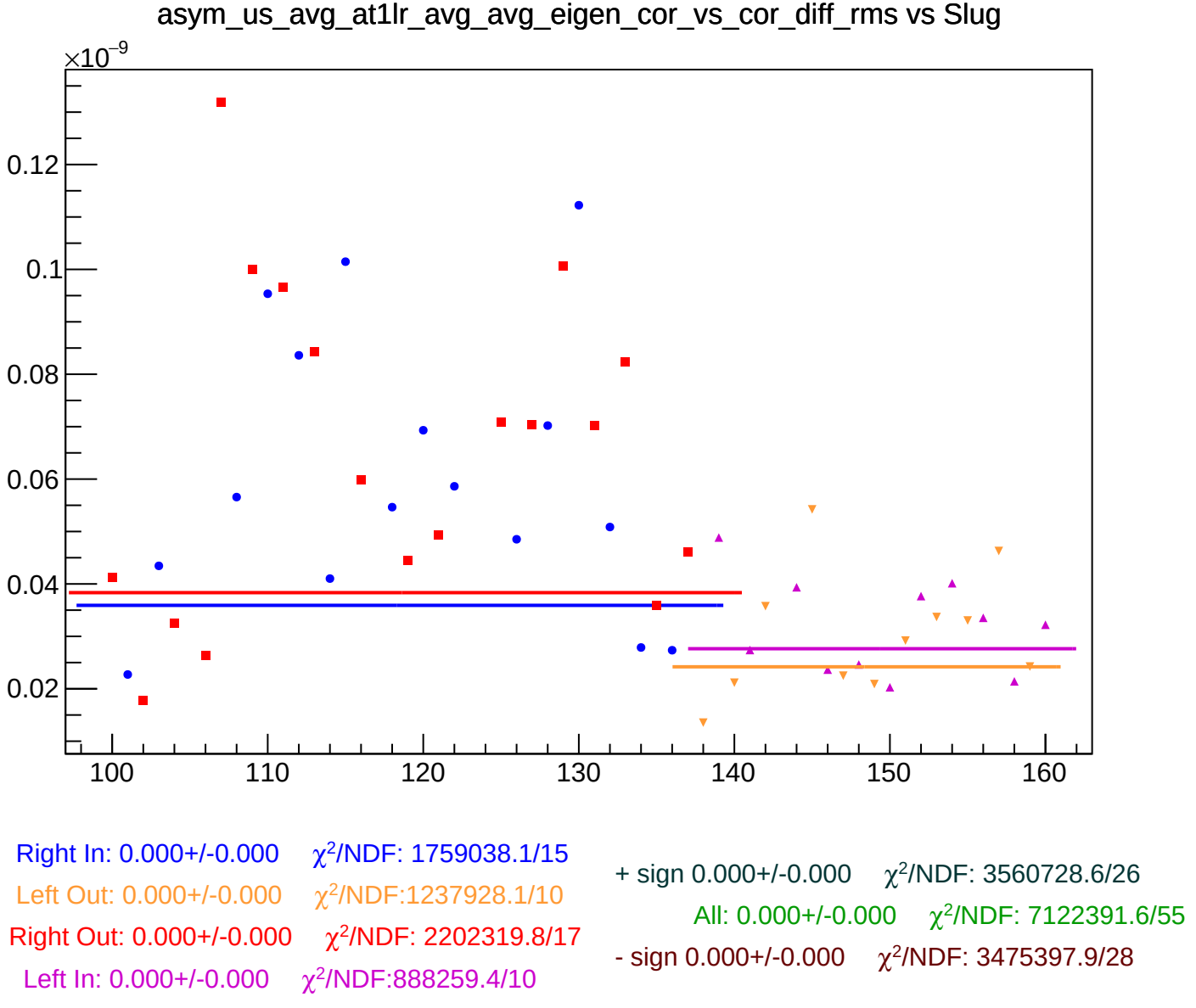
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:19.4/10

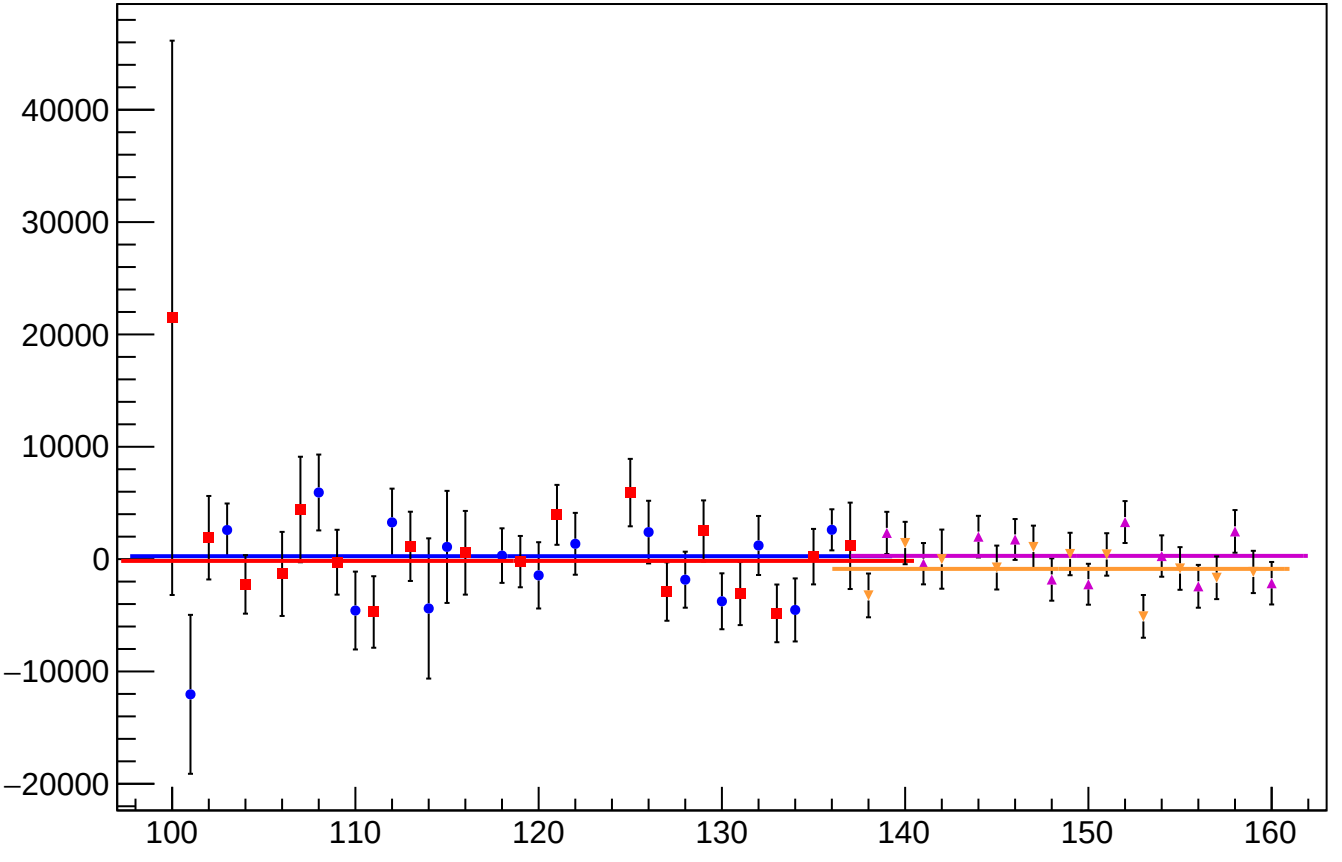
+ sign -0.000+/-0.000 χ^2/NDF: 21.0/26

All: 0.000+/-0.000 χ^2/NDF: 49.9/55

- sign 0.000+/-0.000 χ^2/NDF: 28.6/28


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1237928.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:888259.4/10
+ sign 0.000+/-0.000 χ²/NDF: 3560728.6/26
All: 0.000+/-0.000 χ²/NDF: 7122391.6/55
- sign 0.000+/-0.000 χ²/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: -869.551+/-587.167 χ^2/NDF:10.2/10

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

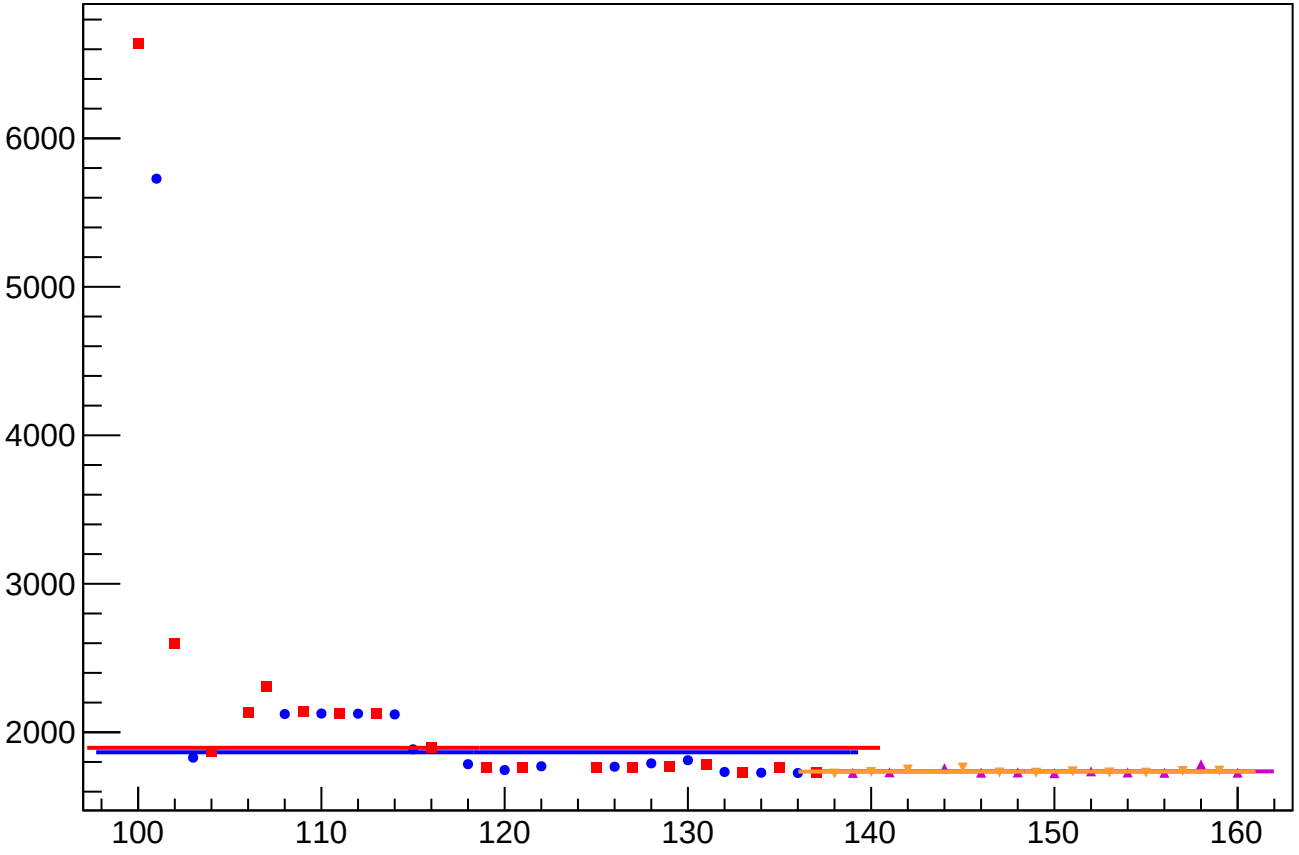
Left In: 288.676+/-561.717 χ^2/NDF:13.6/10

+ sign -410.758+/-452.403 χ^2/NDF: 31.1/26

All: -140.239+/-315.816 χ^2/NDF: 63.8/55

- 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: 1735.199+/-0.415 χ^2/NDF:666.6/10

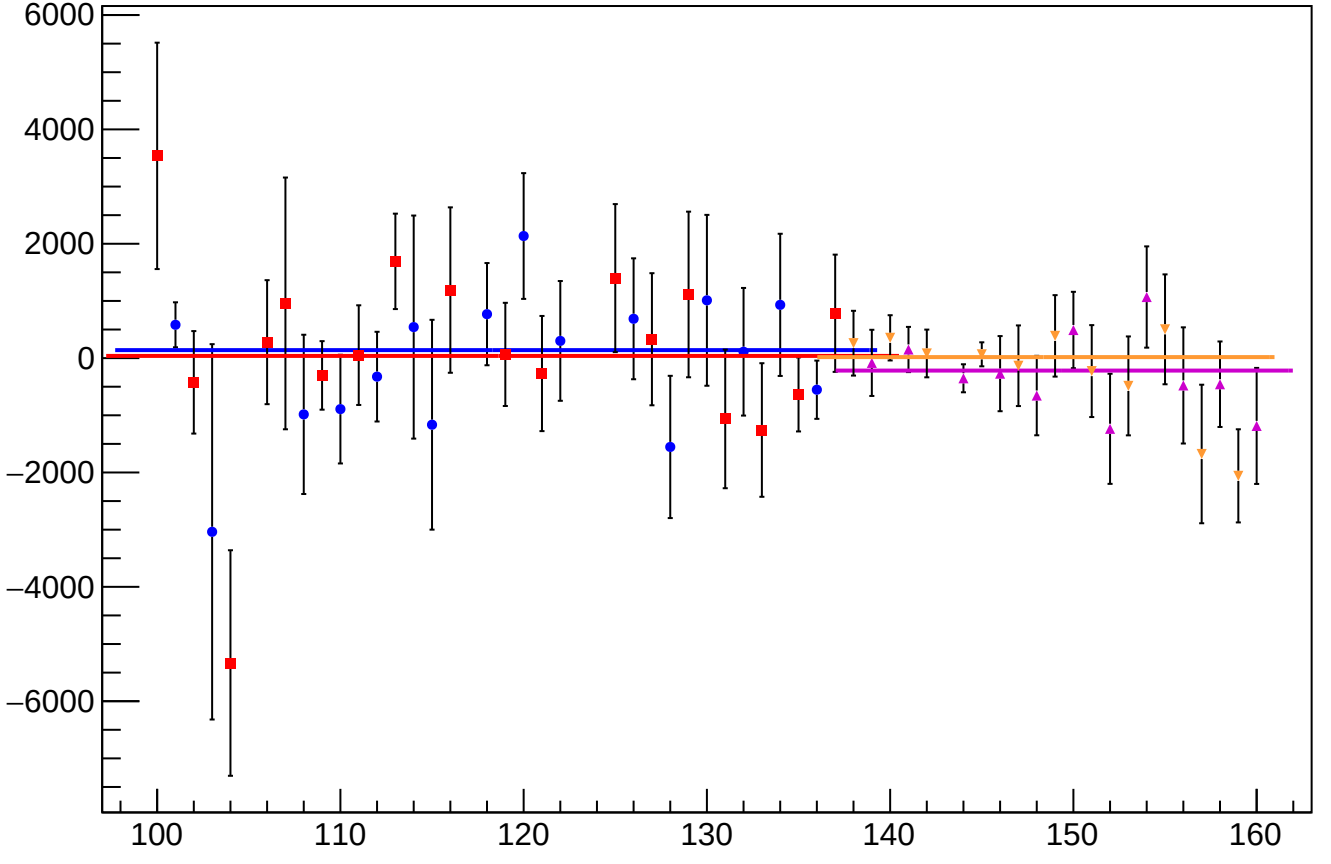
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1736.692+/-0.397 χ^2/NDF:1860.6/10

+ sign 1788.013+/-0.320 χ^2/NDF: 713211.5/26

All: 1792.870+/-0.223 χ^2/NDF: 1027429.3/55

- 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: 17.807+/-144.216 χ^2/NDF:10.4/10

Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

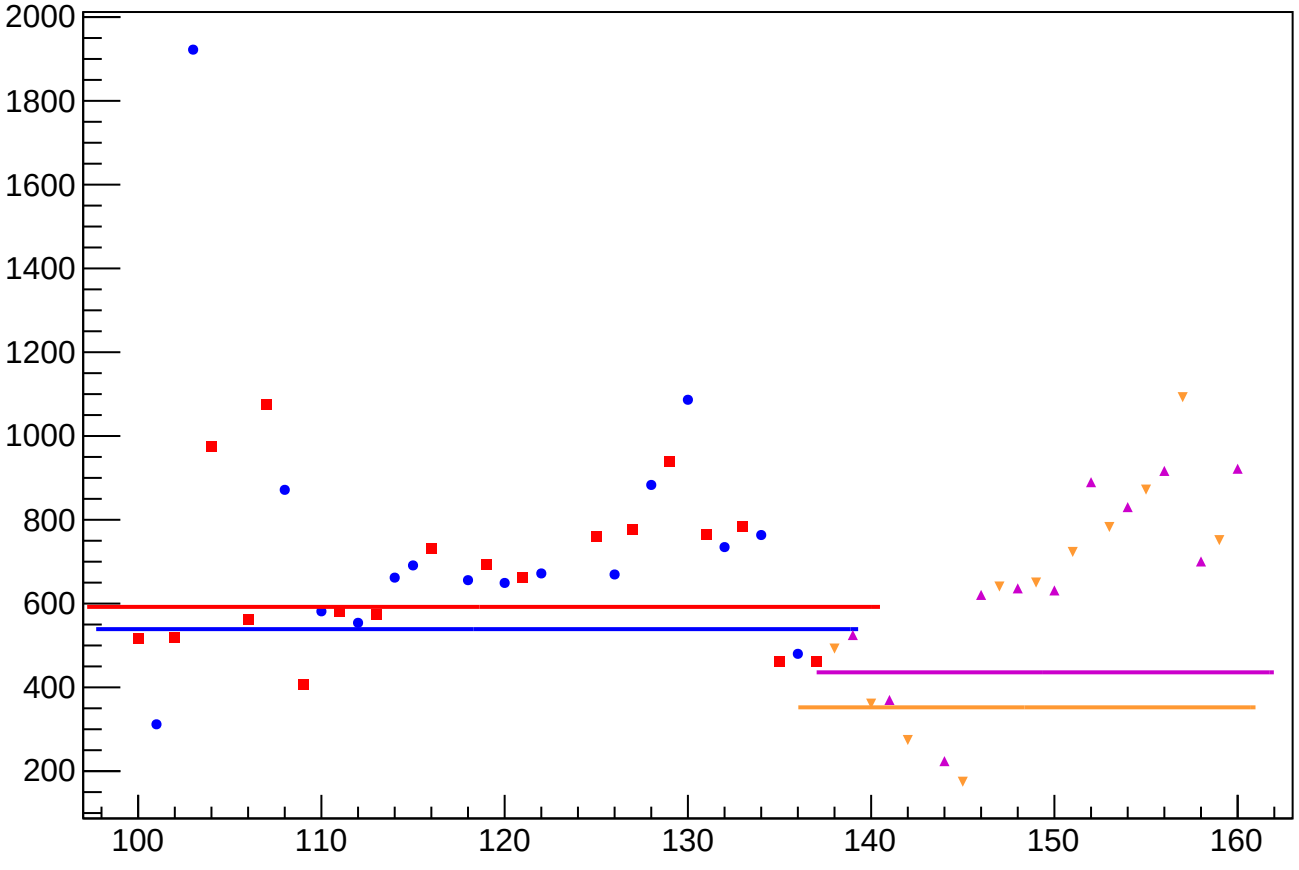
Left In: -217.874+/-160.635 χ^2/NDF:7.1/10

+ sign 54.450+/-120.628 χ^2/NDF: 24.1/26

All: -32.144+/-89.409 χ^2/NDF: 54.5/55

- sign -137.713+/-133.191 χ^2/NDF: 29.3/28

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 352.336+/-0.102 χ^2/NDF:5042253.9/10

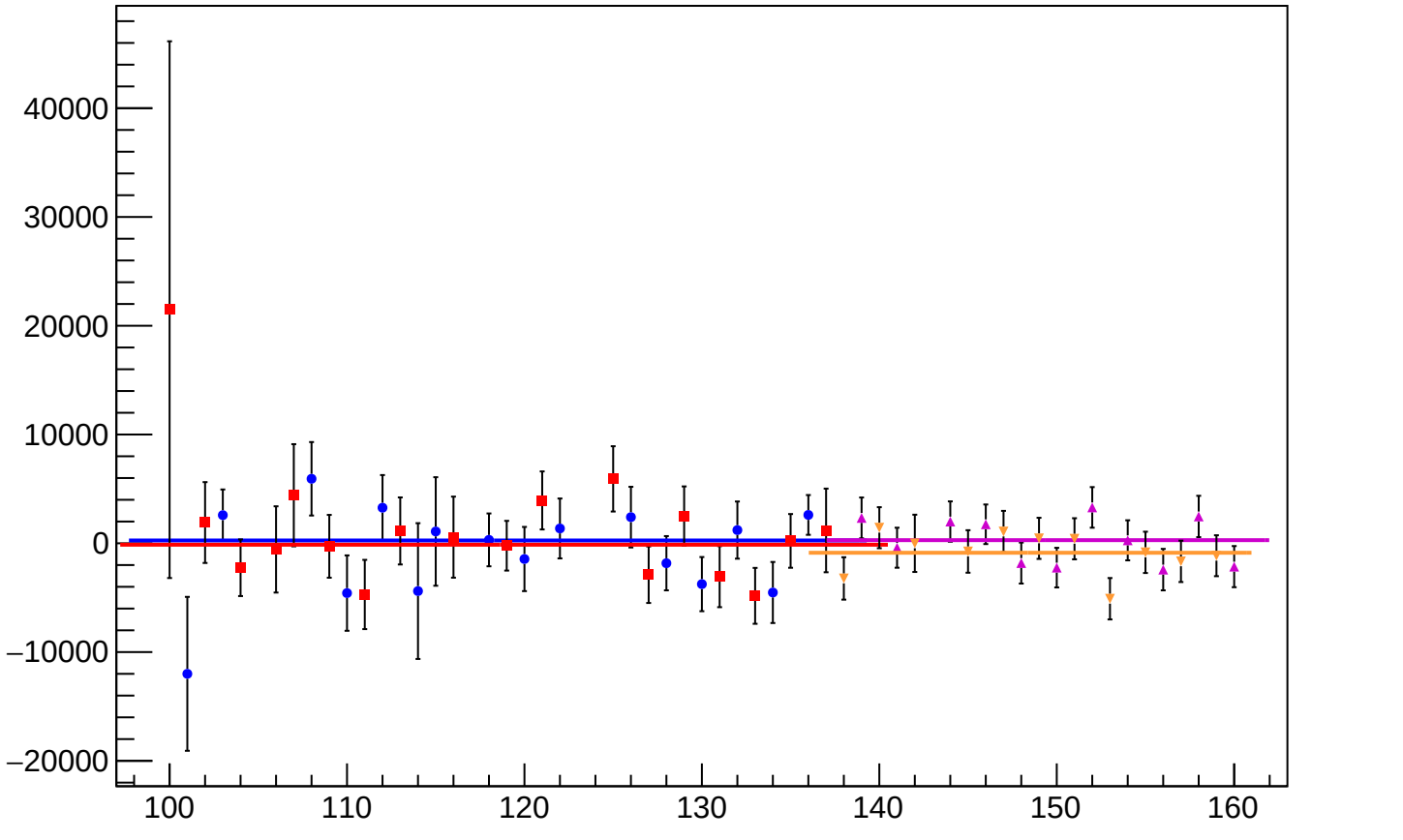
Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 435.878+/-0.114 χ^2/NDF:4094374.9/10

+ sign 408.409+/-0.085 χ^2/NDF: 7903417.4/26

All: 442.788+/-0.063 χ^2/NDF: 13792507.4/55

- 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: -869.538+/-587.167 χ^2/NDF:10.2/10

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

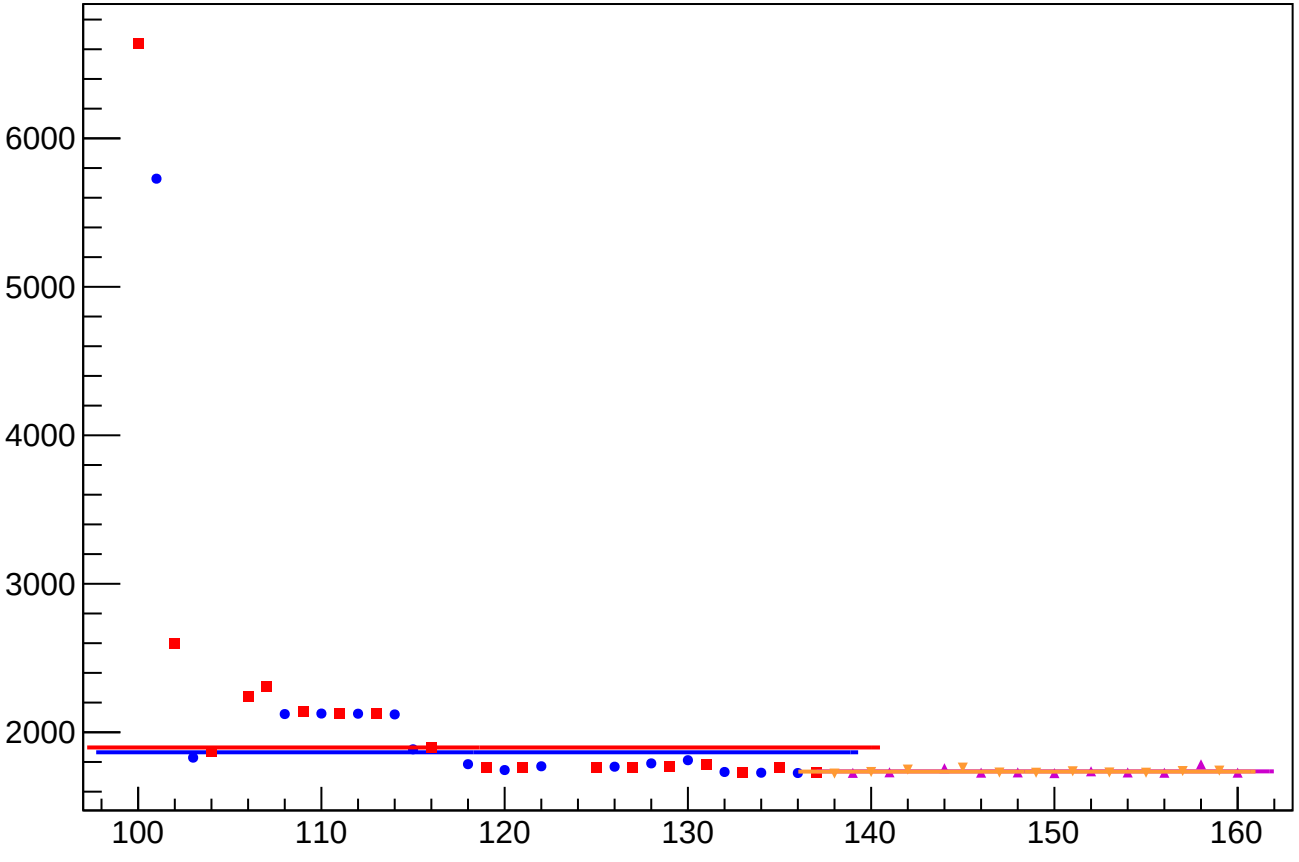
Left In: 288.719+/-561.717 χ^2/NDF:13.6/10

+ sign -410.674+/-452.403 χ^2/NDF: 31.1/26

All: -134.432+/-315.938 χ^2/NDF: 63.6/55

- 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: 1735.199+/-0.415 χ^2/NDF:666.6/10

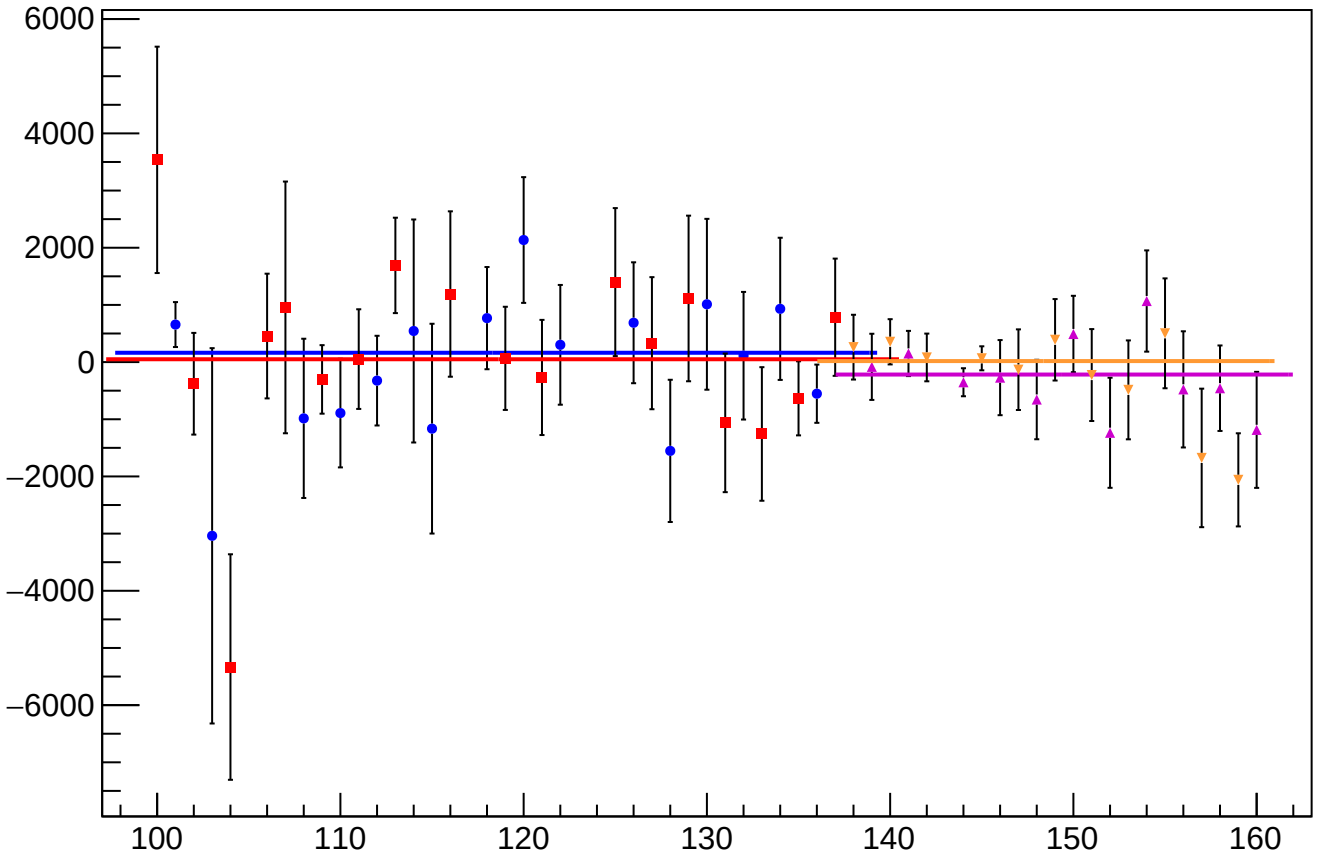
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1736.692+/-0.397 χ^2/NDF:1860.6/10

+ sign 1788.013+/-0.320 χ^2/NDF: 713211.4/26

All: 1793.271+/-0.223 χ^2/NDF: 1036185.0/55

- 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: 17.658+/-144.219 χ^2/NDF:10.5/10

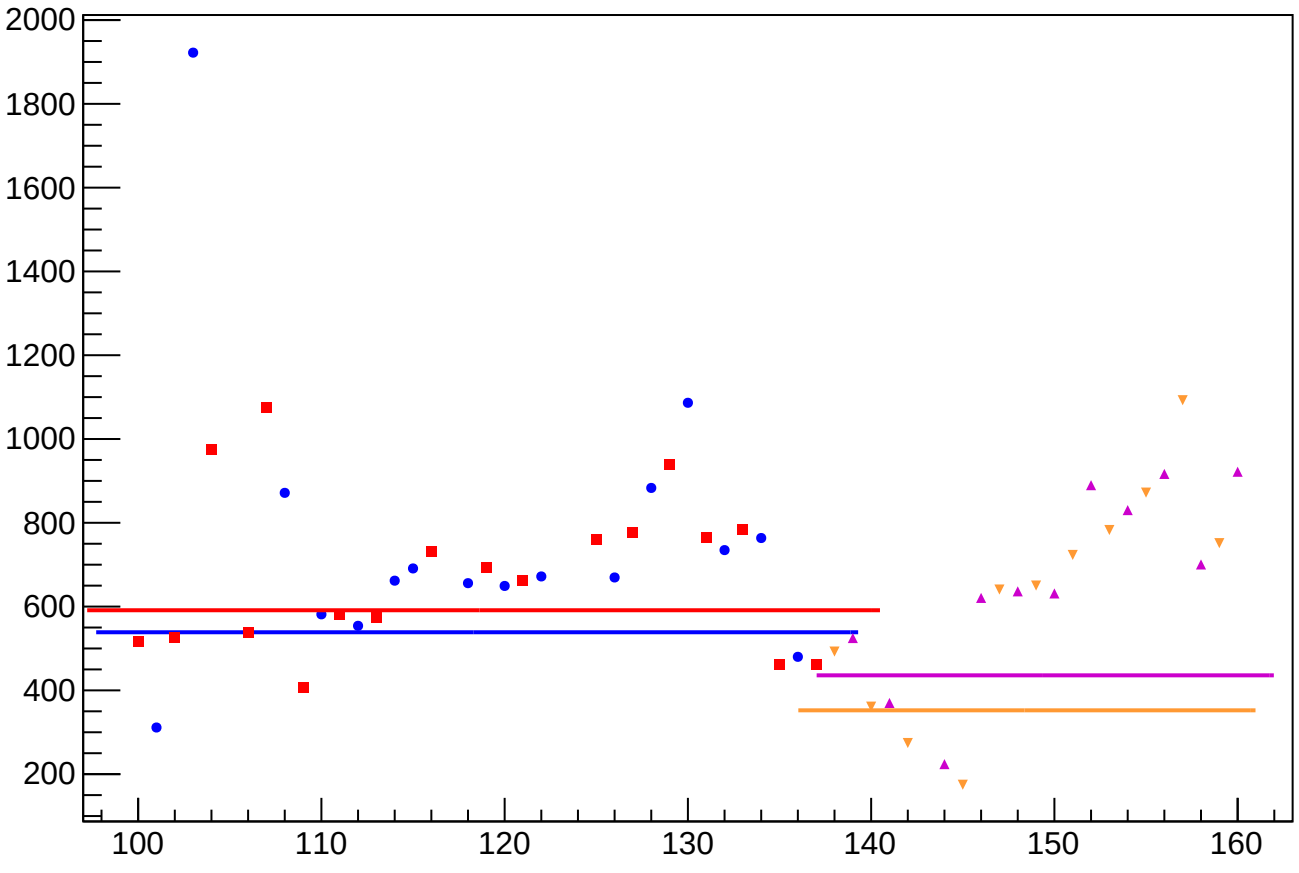
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -217.873+/-160.636 χ^2/NDF:7.1/10

+ sign 61.381+/-120.617 χ^2/NDF: 24.7/26

All: -26.774+/-89.402 χ^2/NDF: 55.2/55

- 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: 352.345+/-0.102 χ^2/NDF:5042108.6/10

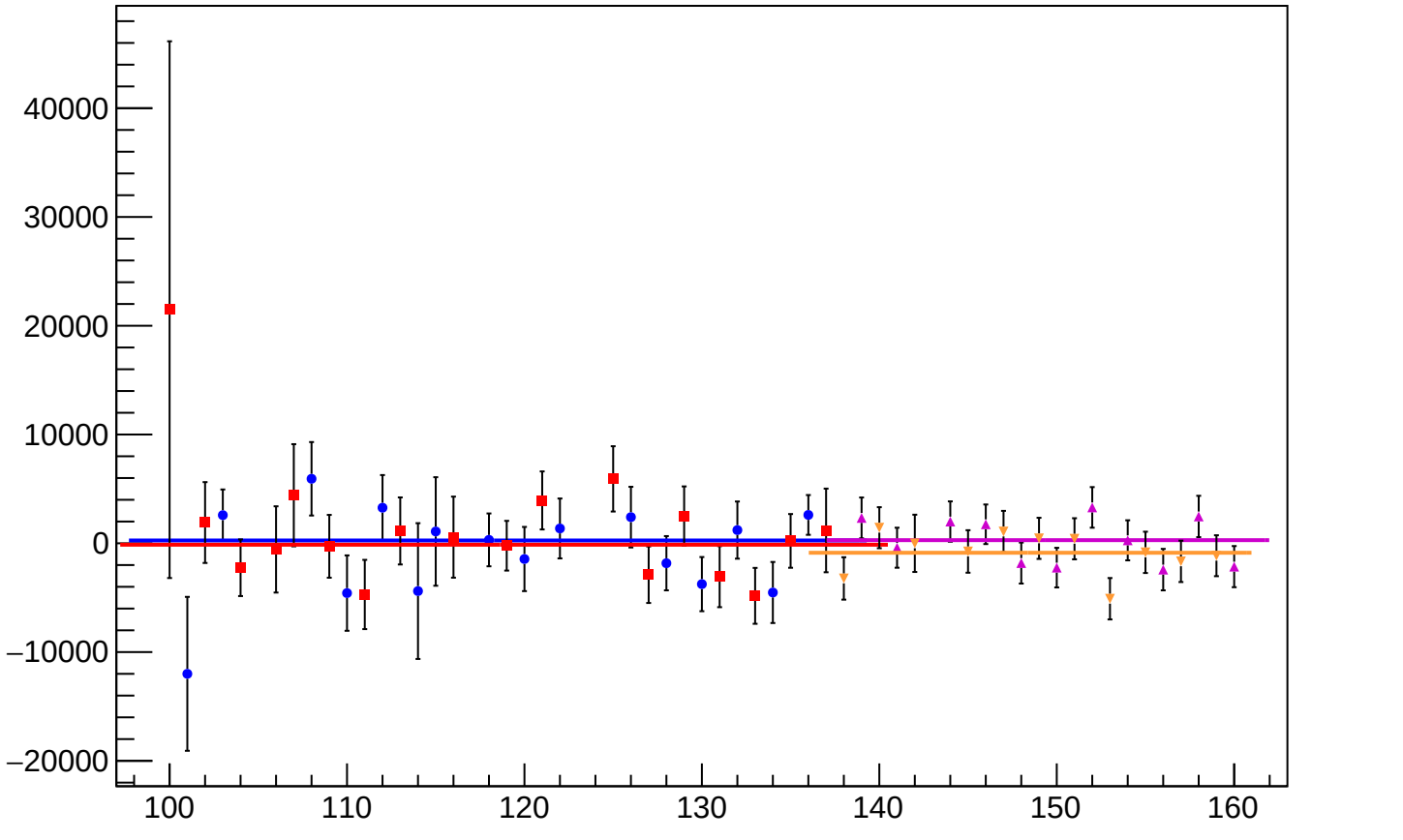
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 435.887+/-0.114 χ^2/NDF:4094057.4/10

+ sign 408.350+/-0.085 χ^2/NDF: 7904600.0/26

All: 442.643+/-0.063 χ^2/NDF: 13786764.5/55

- 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: -869.538+/-587.167 χ^2/NDF:10.2/10

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

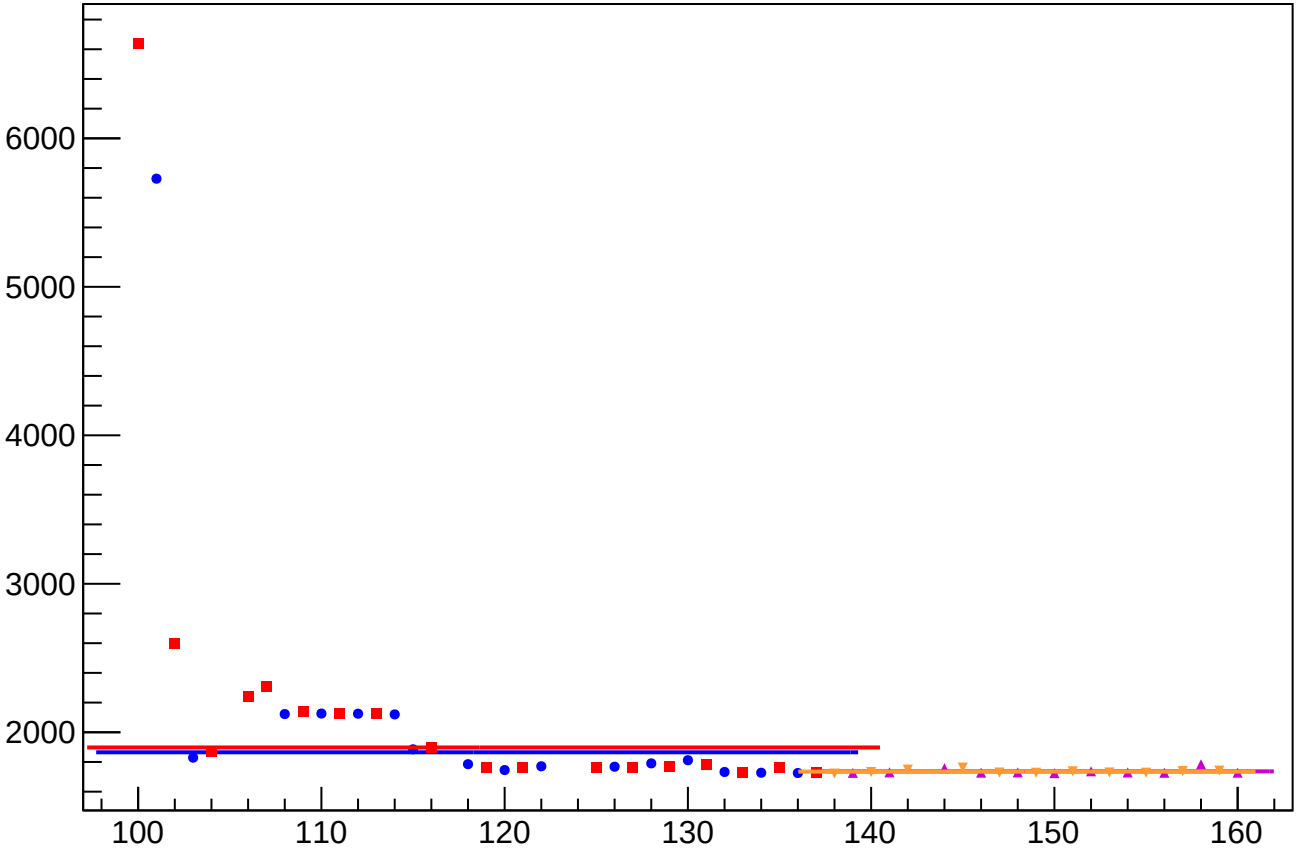
Left In: 288.719+/-561.717 χ^2/NDF:13.6/10

+ sign -410.674+/-452.403 χ^2/NDF: 31.1/26

All: -134.432+/-315.938 χ^2/NDF: 63.6/55

- 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: 1735.199+/-0.415 χ^2/NDF:666.6/10

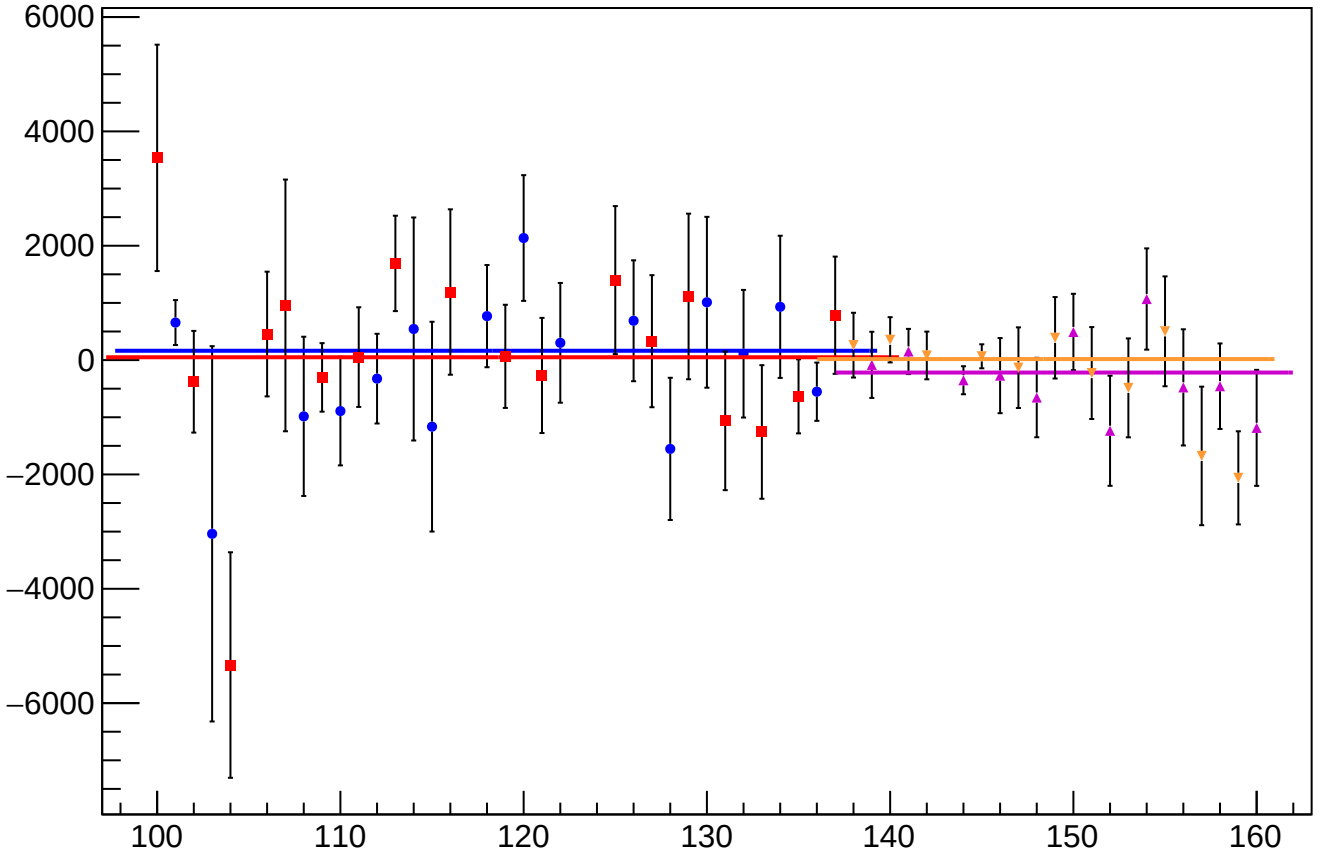
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1736.692+/-0.397 χ^2/NDF:1860.6/10

+ sign 1788.013+/-0.320 χ^2/NDF: 713211.4/26

All: 1793.271+/-0.223 χ^2/NDF: 1036185.0/55

- 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: 17.658+/-144.219 χ^2/NDF:10.5/10

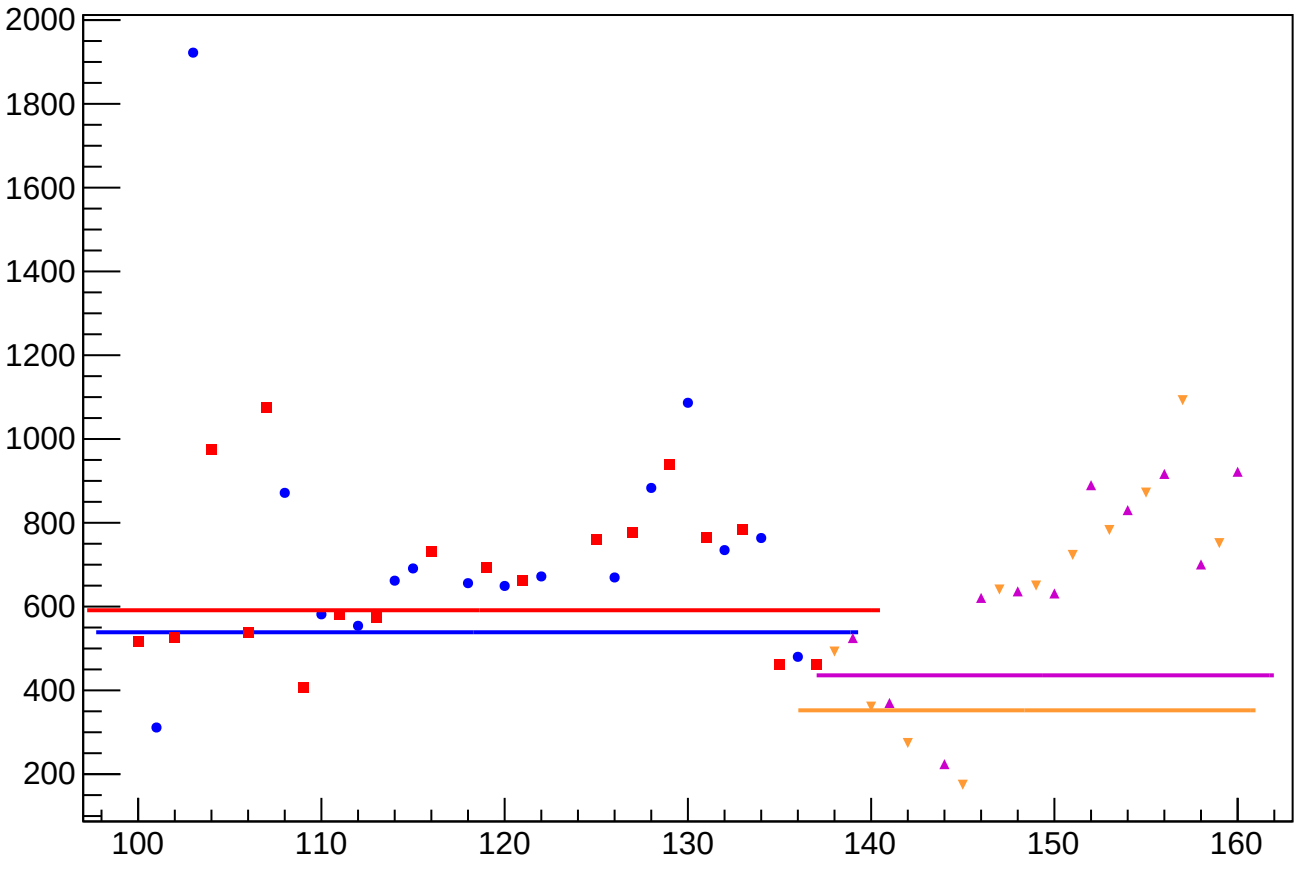
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -217.873+/-160.636 χ^2/NDF:7.1/10

+ sign 61.381+/-120.617 χ^2/NDF: 24.7/26

All: -26.774+/-89.402 χ^2/NDF: 55.2/55

- 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: 352.345+/-0.102 χ^2/NDF:5042108.6/10

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

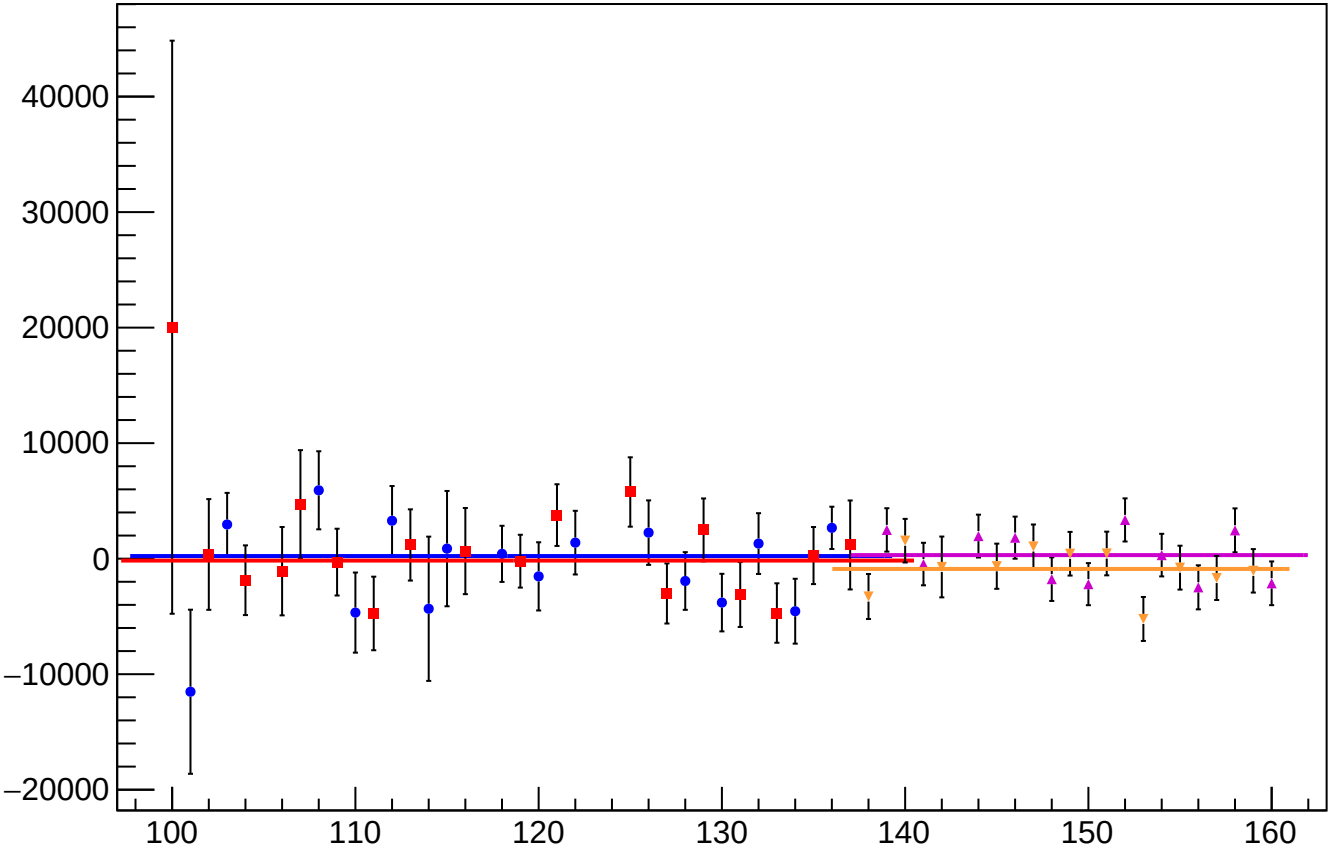
Left In: 435.887+/-0.114 χ^2/NDF:4094057.4/10

+ sign 408.350+/-0.085 χ^2/NDF: 7904600.0/26

All: 442.643+/-0.063 χ^2/NDF: 13786764.5/55

- sign 484.453+/-0.094 χ^2/NDF: 5523388.7/28

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -888.905+/-587.563 χ^2/NDF:10.6/10

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

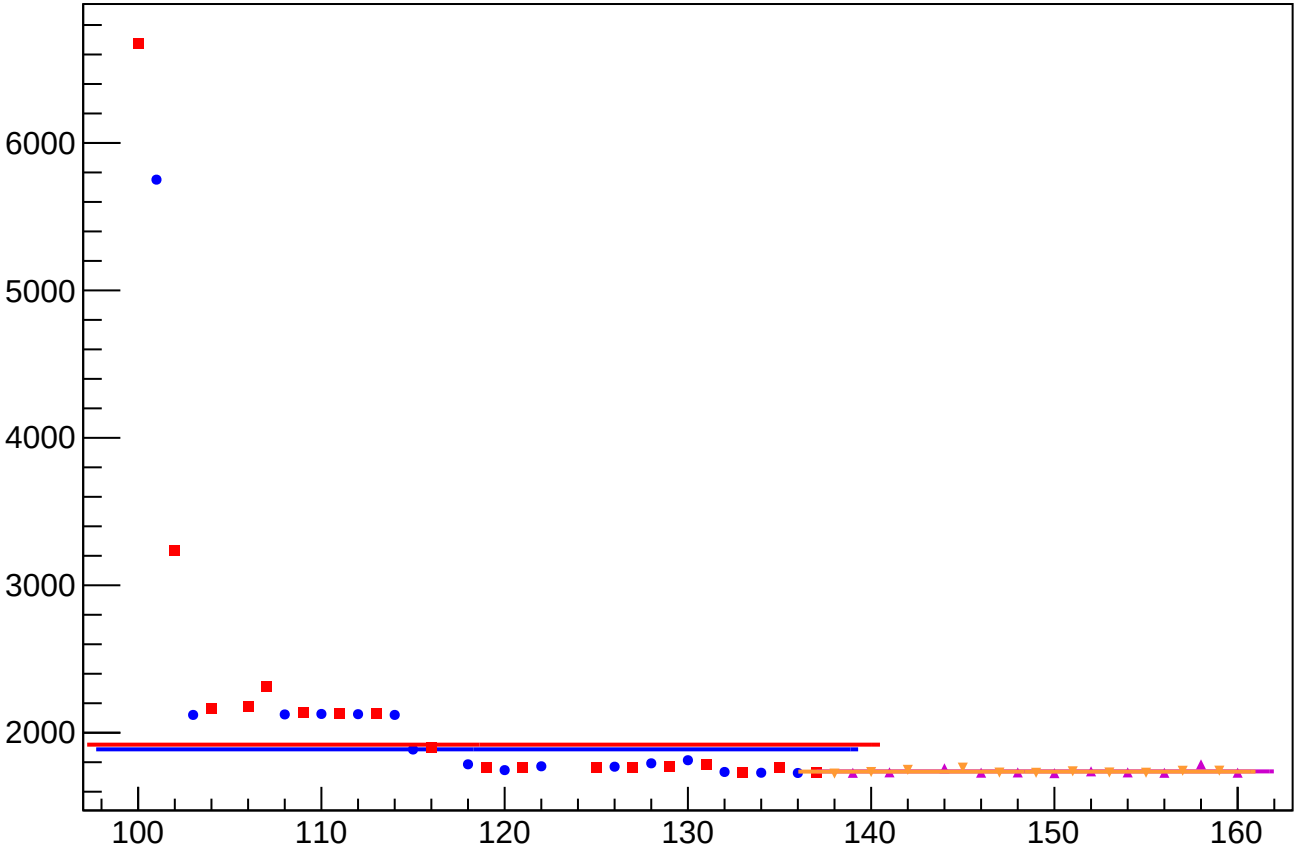
Left In: 308.775+/-562.062 χ^2/NDF:13.9/10

+ sign -442.064+/-454.856 χ^2/NDF: 31.4/26

All: -148.532+/-317.867 χ^2/NDF: 63.4/55

- 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: 1736.367+/-0.415 χ^2/NDF:671.8/10

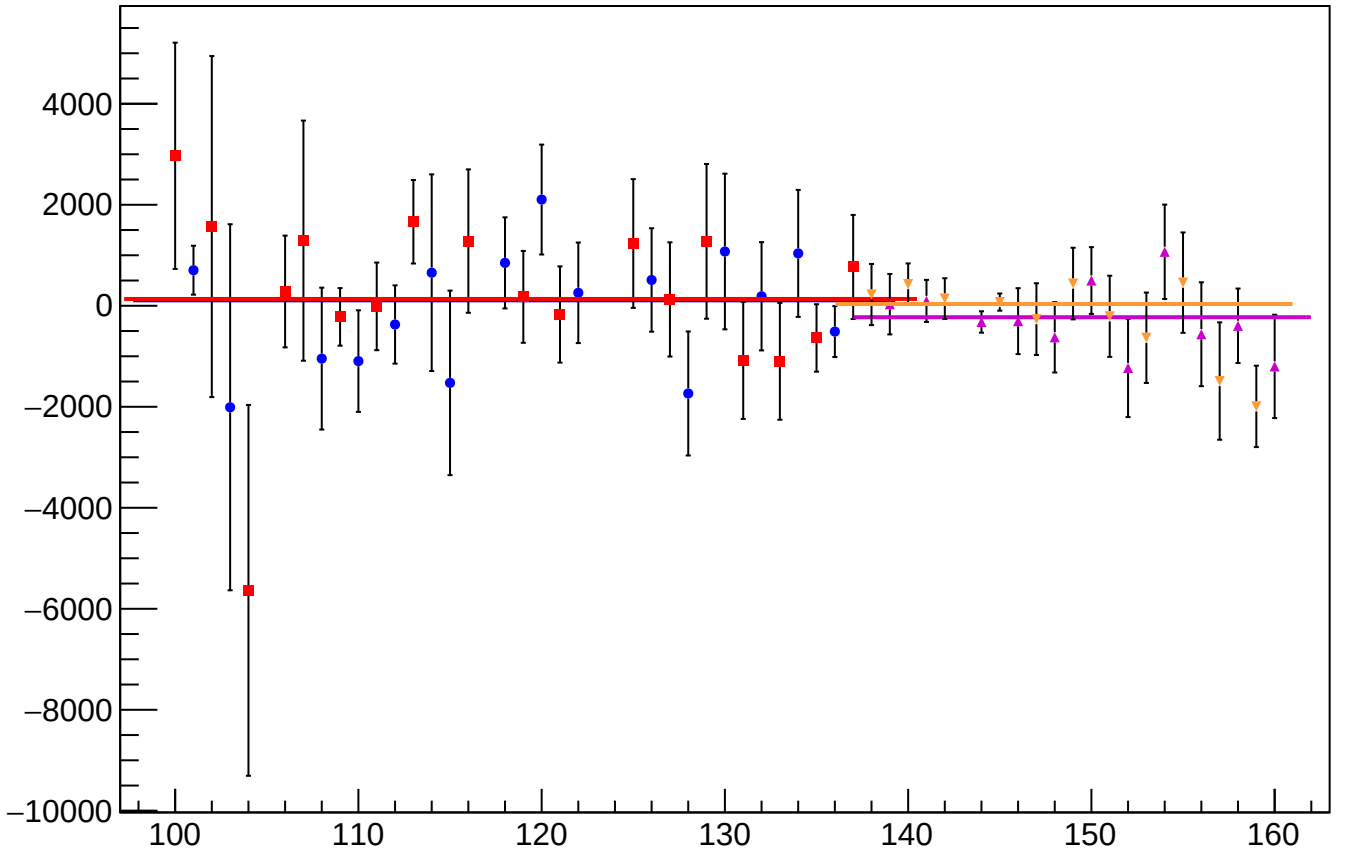
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1737.756+/-0.397 χ^2/NDF:1861.7/10

+ sign 1796.851+/-0.322 χ^2/NDF: 743004.5/26

All: 1801.411+/-0.225 χ^2/NDF: 1175930.2/55

- 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: 35.107+/-129.780 χ^2/NDF:10.5/10

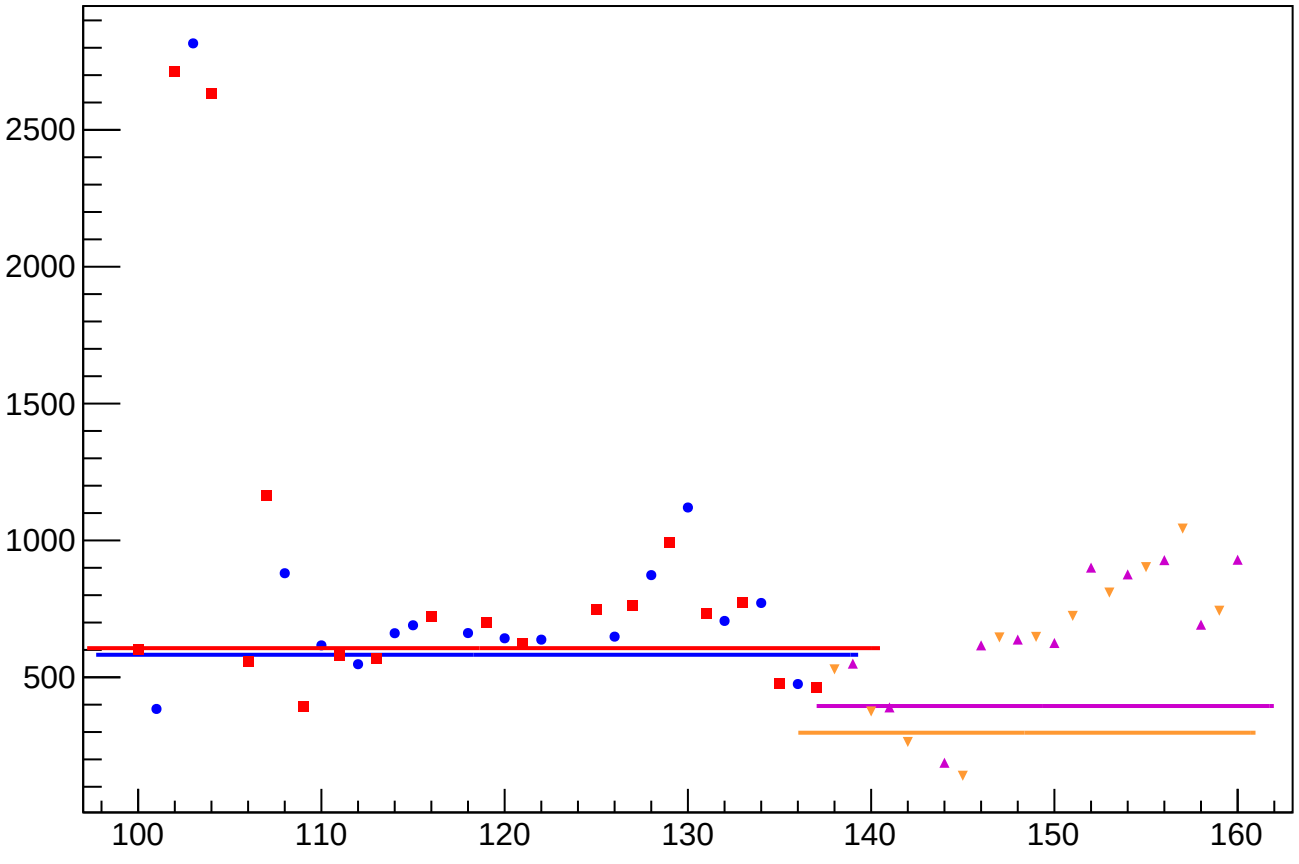
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -226.366+/-151.812 χ^2/NDF:6.6/10

+ sign 52.545+/-113.229 χ^2/NDF: 24.8/26

All: -25.272+/-85.150 χ^2/NDF: 48.4/55

- 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: 297.486+/-0.092 χ^2/NDF:6446891.5/10

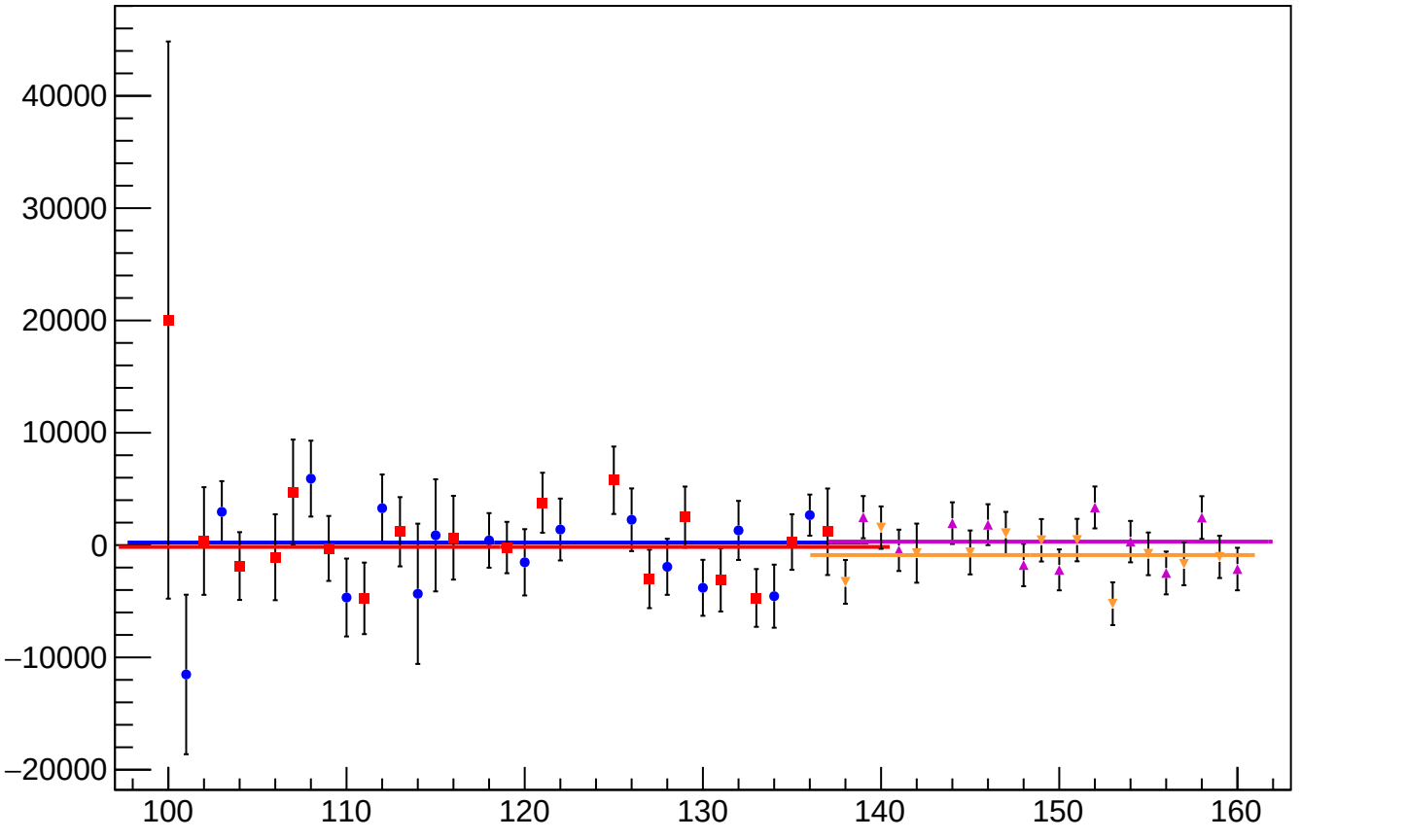
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 395.035+/-0.107 χ^2/NDF:5234837.0/10

+ sign 365.491+/-0.080 χ^2/NDF: 10500894.5/26

All: 403.670+/-0.060 χ^2/NDF: 19527711.2/55

- 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: -888.910+/-587.563 χ^2/NDF:10.6/10

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

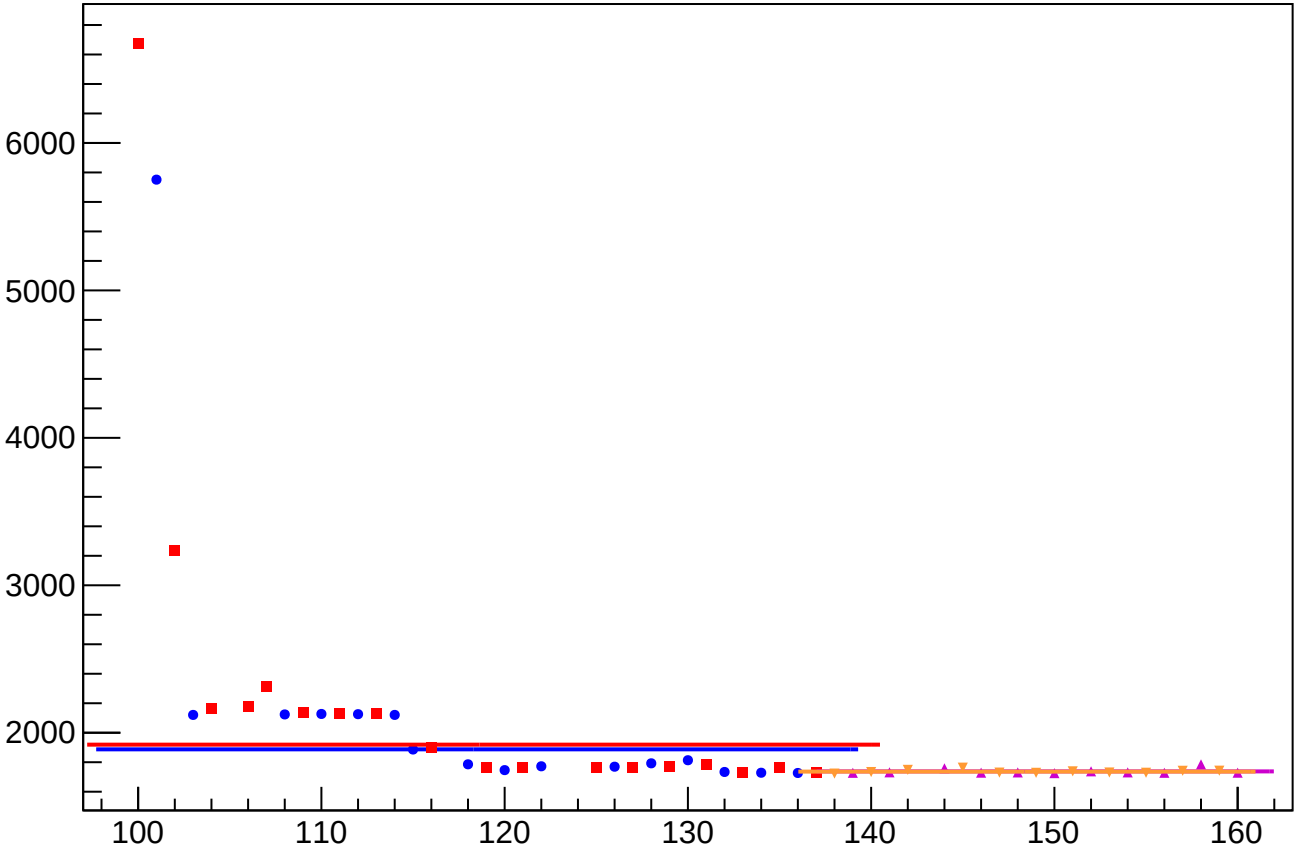
Left In: 308.773+/-562.062 χ^2/NDF:13.9/10

+ sign -442.066+/-454.856 χ^2/NDF: 31.4/26

All: -148.534+/-317.867 χ^2/NDF: 63.4/55

- 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: 1736.367+/-0.415 χ^2/NDF:671.8/10

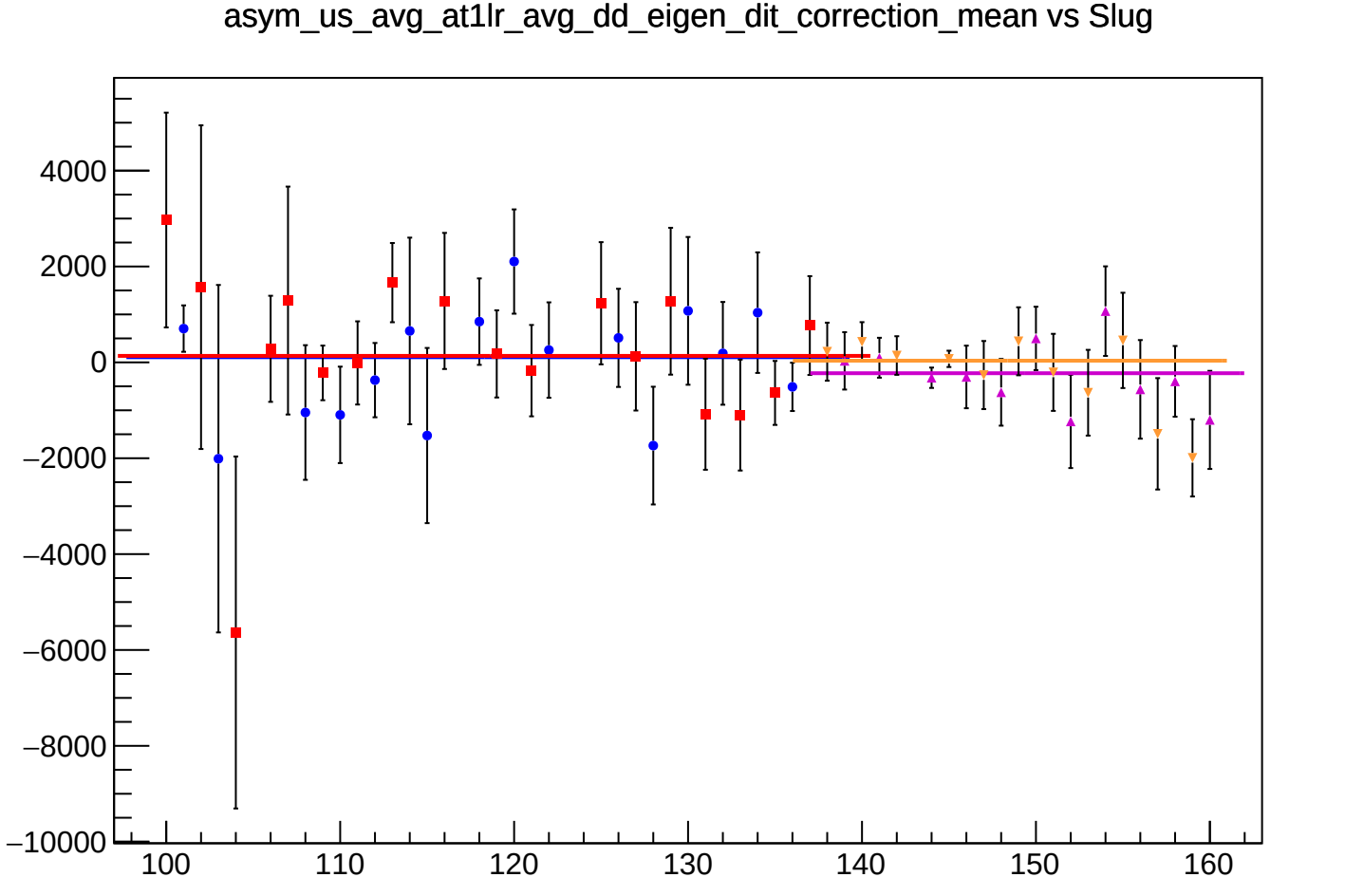
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1737.756+/-0.397 χ^2/NDF:1861.7/10

+ sign 1796.851+/-0.322 χ^2/NDF: 743004.1/26

All: 1801.411+/-0.225 χ^2/NDF: 1175928.9/55

- 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: 35.105+/-129.780 χ^2/NDF:10.5/10

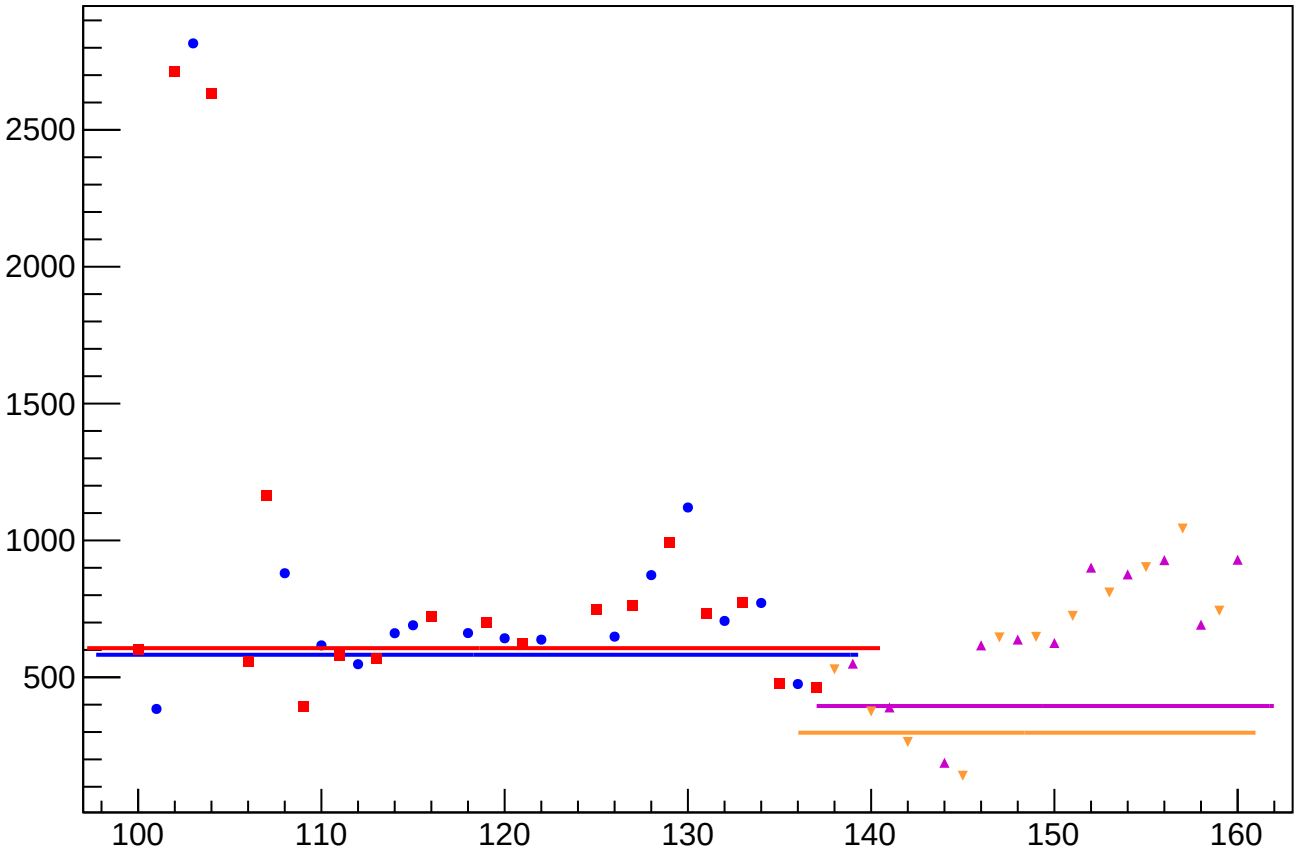
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -226.366+/-151.813 χ^2/NDF:6.6/10

+ sign 52.543+/-113.229 χ^2/NDF: 24.8/26

All: -25.273+/-85.150 χ^2/NDF: 48.4/55

- sign -126.561+/-129.182 χ^2/NDF: 22.5/28



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 297.486+/-0.092 χ^2/NDF:6446920.5/10

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

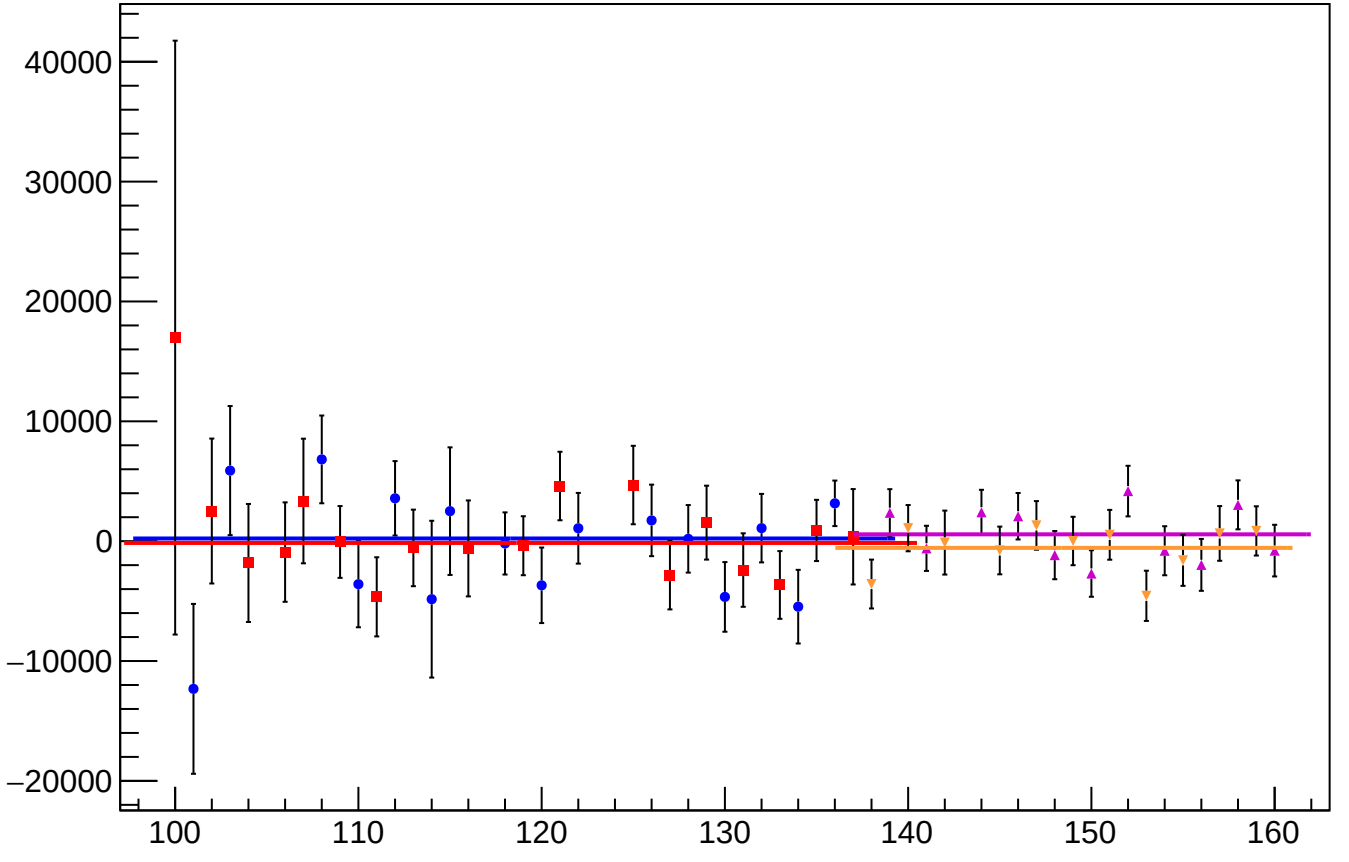
Left In: 395.035+/-0.107 χ^2/NDF:5234855.8/10

+ sign 365.491+/-0.080 χ^2/NDF: 10500896.0/26

All: 403.670+/-0.060 χ^2/NDF: 19527711.2/55

- sign 453.367+/-0.091 χ^2/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: -559.571+/-632.645 χ^2/NDF:8.8/10

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

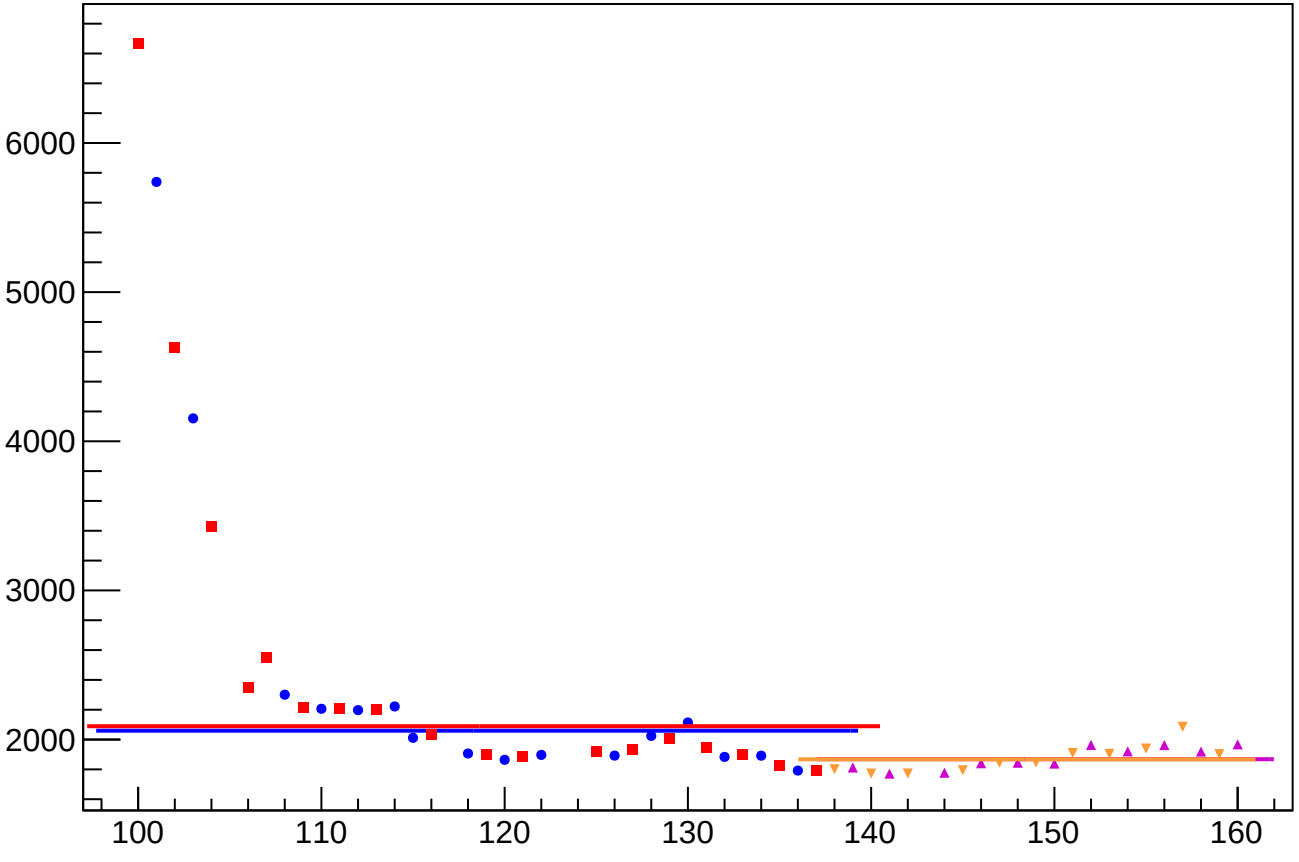
Left In: 570.637+/-604.756 χ^2/NDF:13.0/10

+ sign -253.995+/-494.225 χ^2/NDF: 30.6/26

All: 33.968+/-344.750 χ^2/NDF: 56.3/55

- 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: 1867.445+/-0.447 χ^2/NDF:35334.5/10

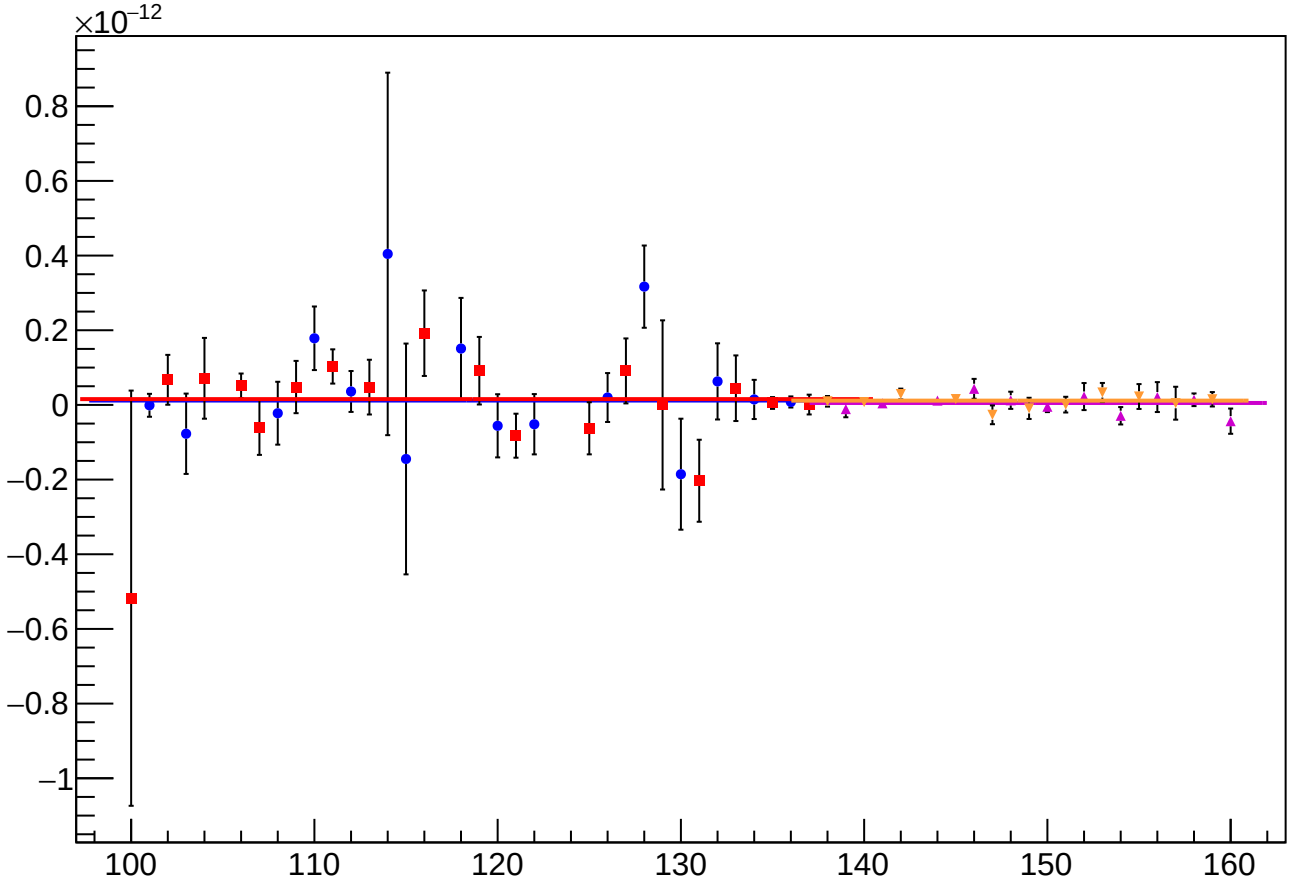
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1868.347+/-0.428 χ^2/NDF:27442.7/10

+ sign 1942.291+/-0.349 χ^2/NDF: 1047036.8/26

All: 1945.997+/-0.244 χ^2/NDF: 1854309.4/55

- 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:5.8/10

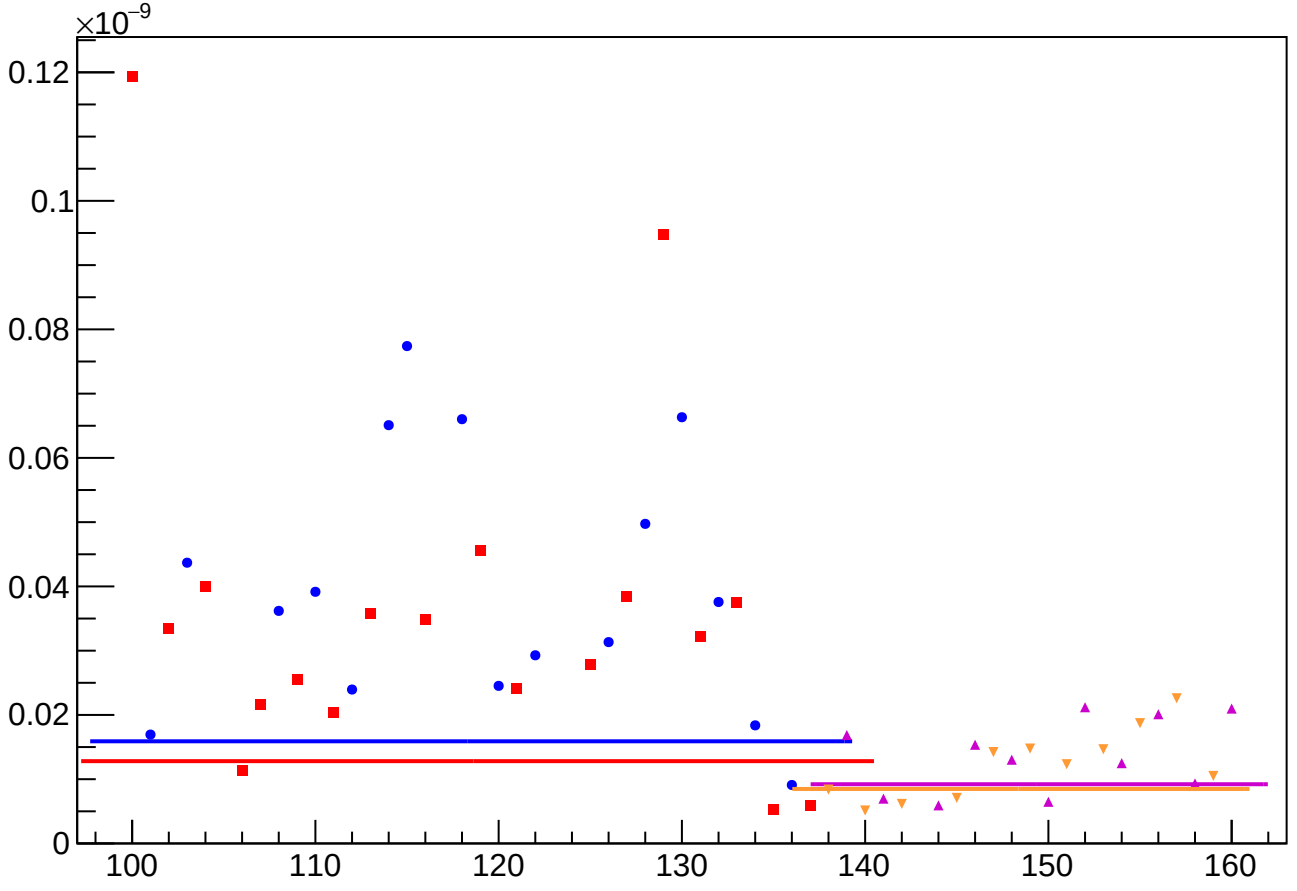
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:8.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/26

All: 0.000+/-0.000 χ^2/NDF: 54.2/55

- 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:1122256.6/10

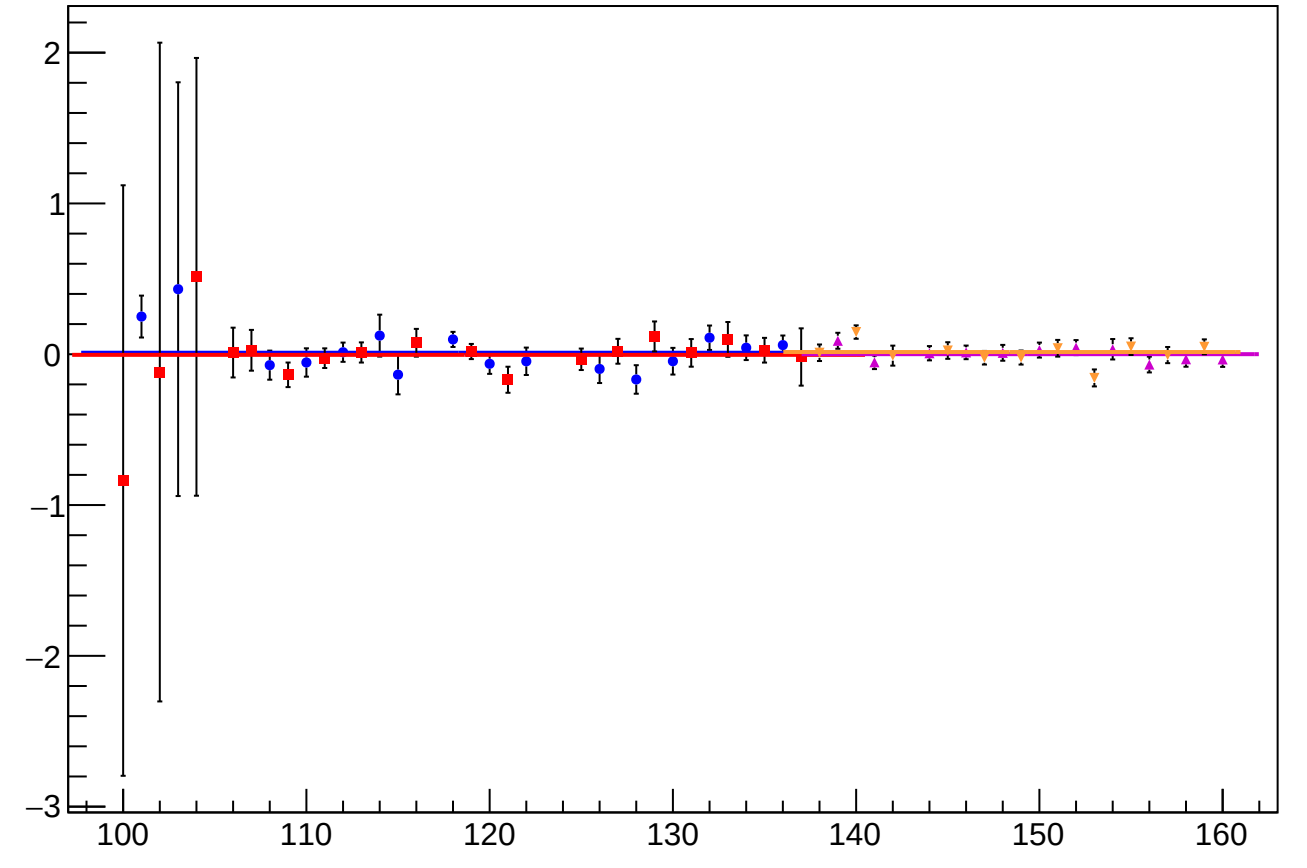
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1437341.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 3743981.6/26

All: 0.000+/-0.000 χ^2/NDF: 7851072.7/55

- 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: 0.015+/-0.016 χ^2/NDF:20.9/10

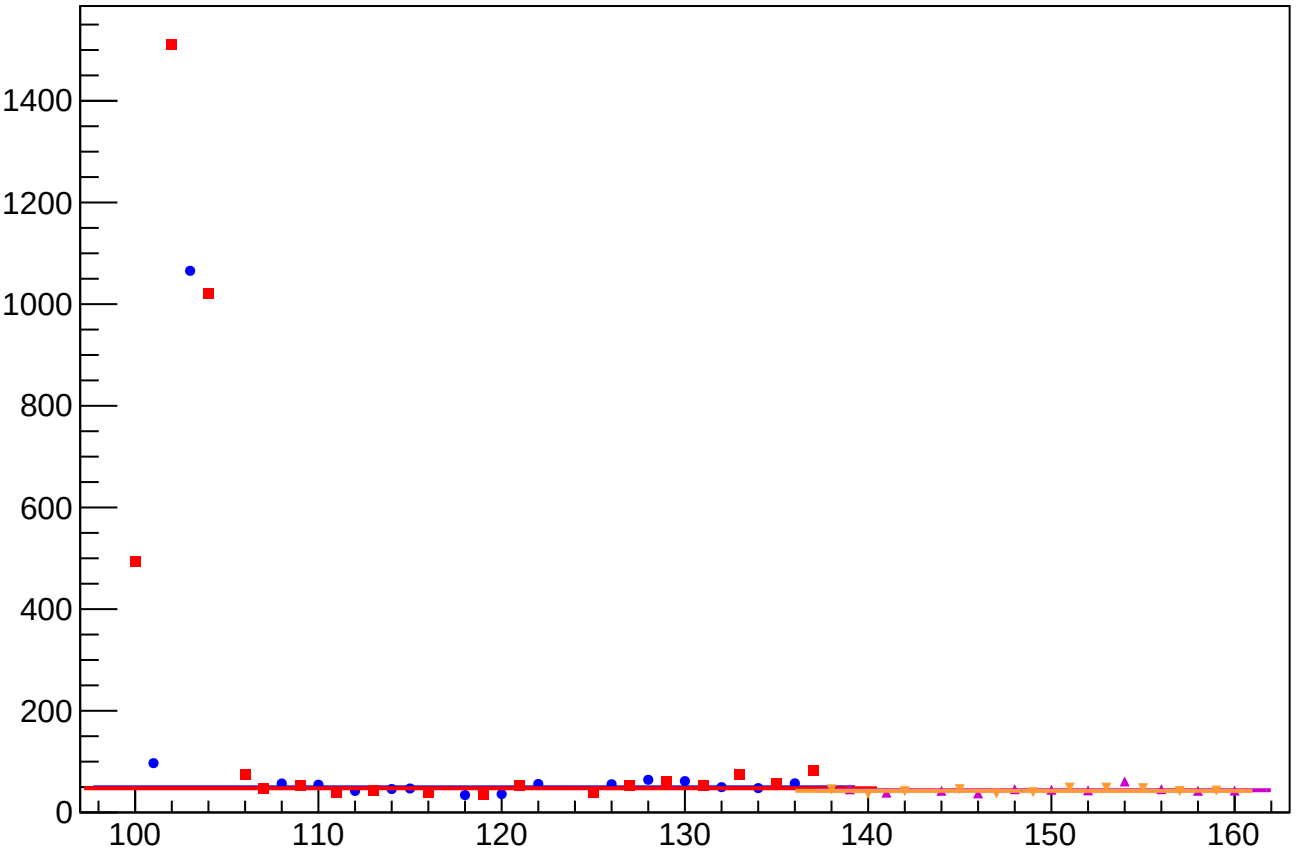
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.000+/-0.015 χ^2/NDF:8.3/10

+ sign 0.013+/-0.013 χ^2/NDF: 39.3/26

All: 0.006+/-0.009 χ^2/NDF: 58.8/55

- sign -0.001+/-0.012 χ^2/NDF: 18.9/28



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.551+/-0.011 χ^2/NDF:151412.0/10

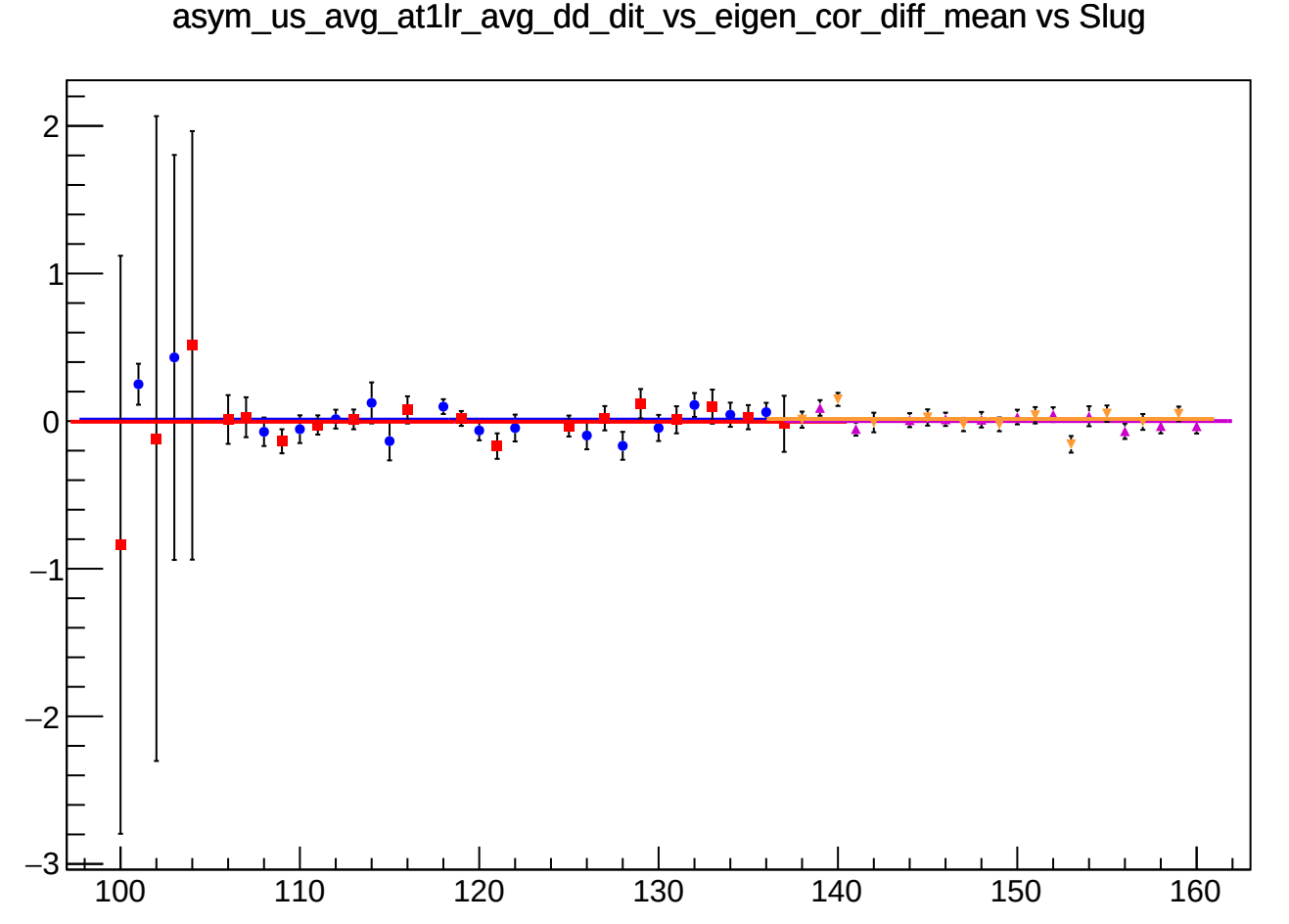
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 43.700+/-0.011 χ^2/NDF:200199.2/10

+ sign 44.987+/-0.009 χ^2/NDF: 2062644.6/26

All: 44.992+/-0.006 χ^2/NDF: 4725016.2/55

- 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: 0.015+/-0.016 χ^2/NDF:20.9/10

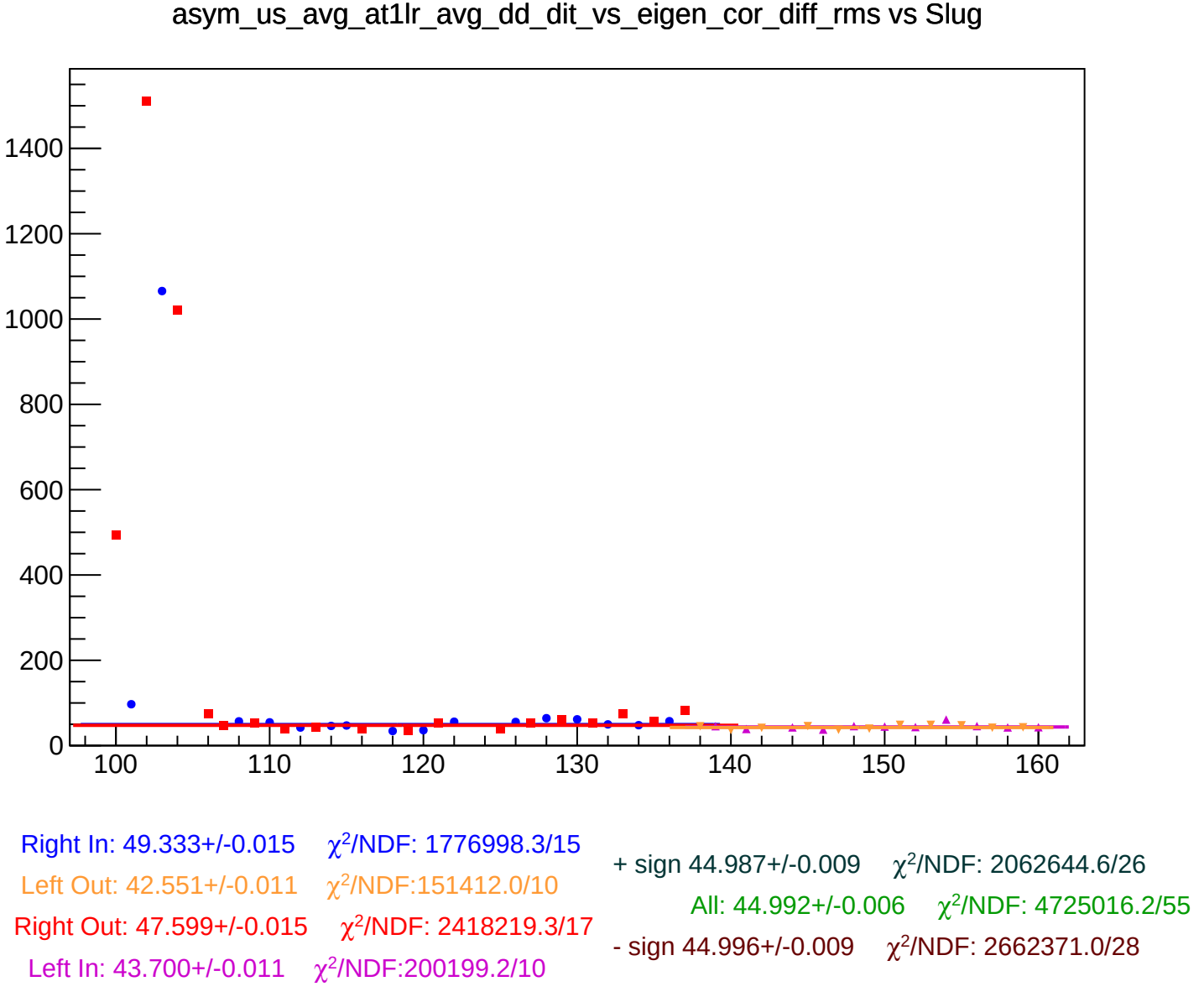
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.000+/-0.015 χ^2/NDF:8.3/10

+ sign 0.013+/-0.013 χ^2/NDF: 39.3/26

All: 0.006+/-0.009 χ^2/NDF: 58.8/55

- 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
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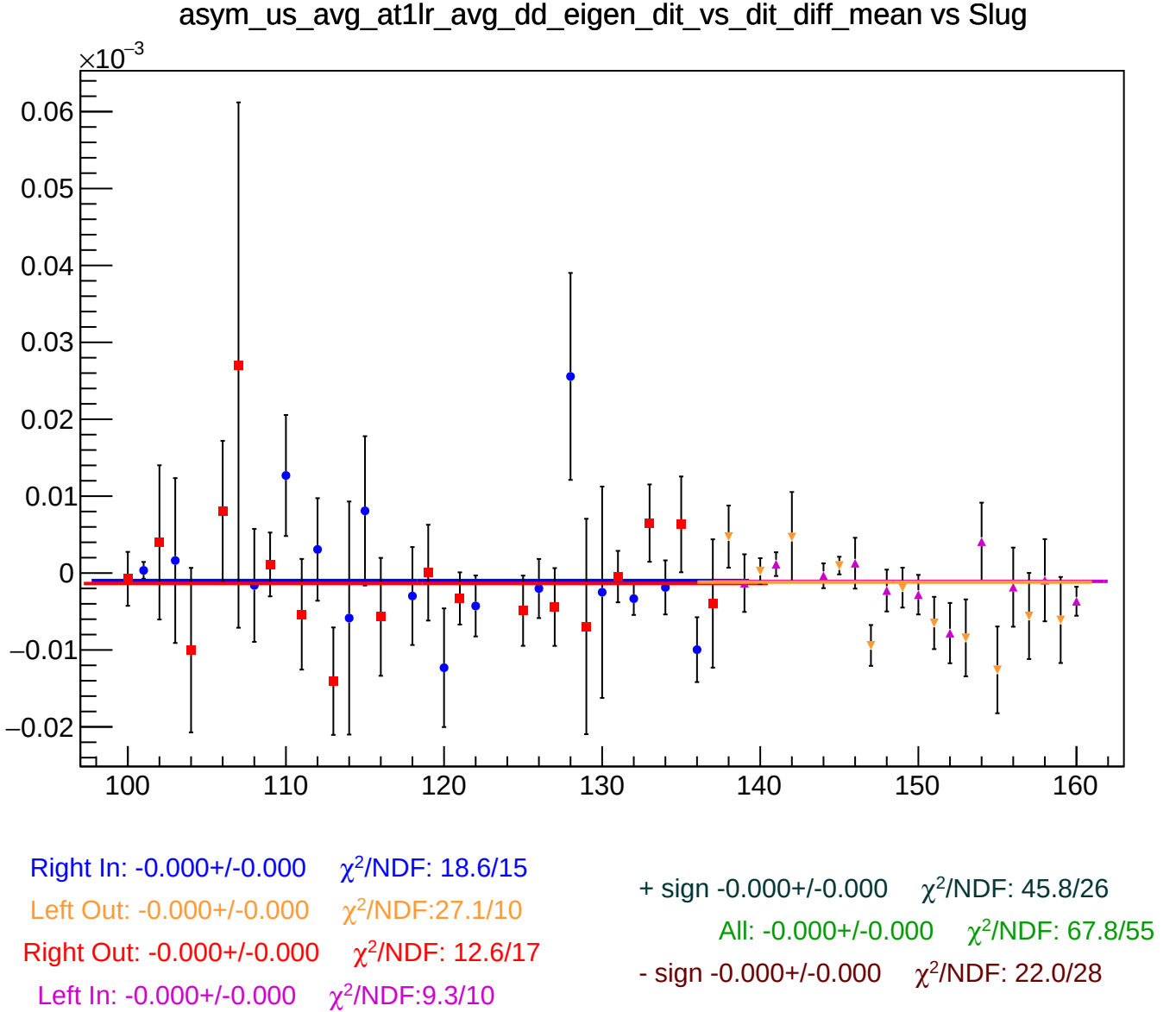
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 42.551+/-0.011 χ²/NDF:151412.0/10
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 43.700+/-0.011 χ²/NDF:200199.2/10
+ sign 44.987+/-0.009 χ²/NDF: 2062644.6/26
All: 44.992+/-0.006 χ²/NDF: 4725016.2/55
- sign 44.996+/-0.009 χ²/NDF: 2662371.0/28


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
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−0.02
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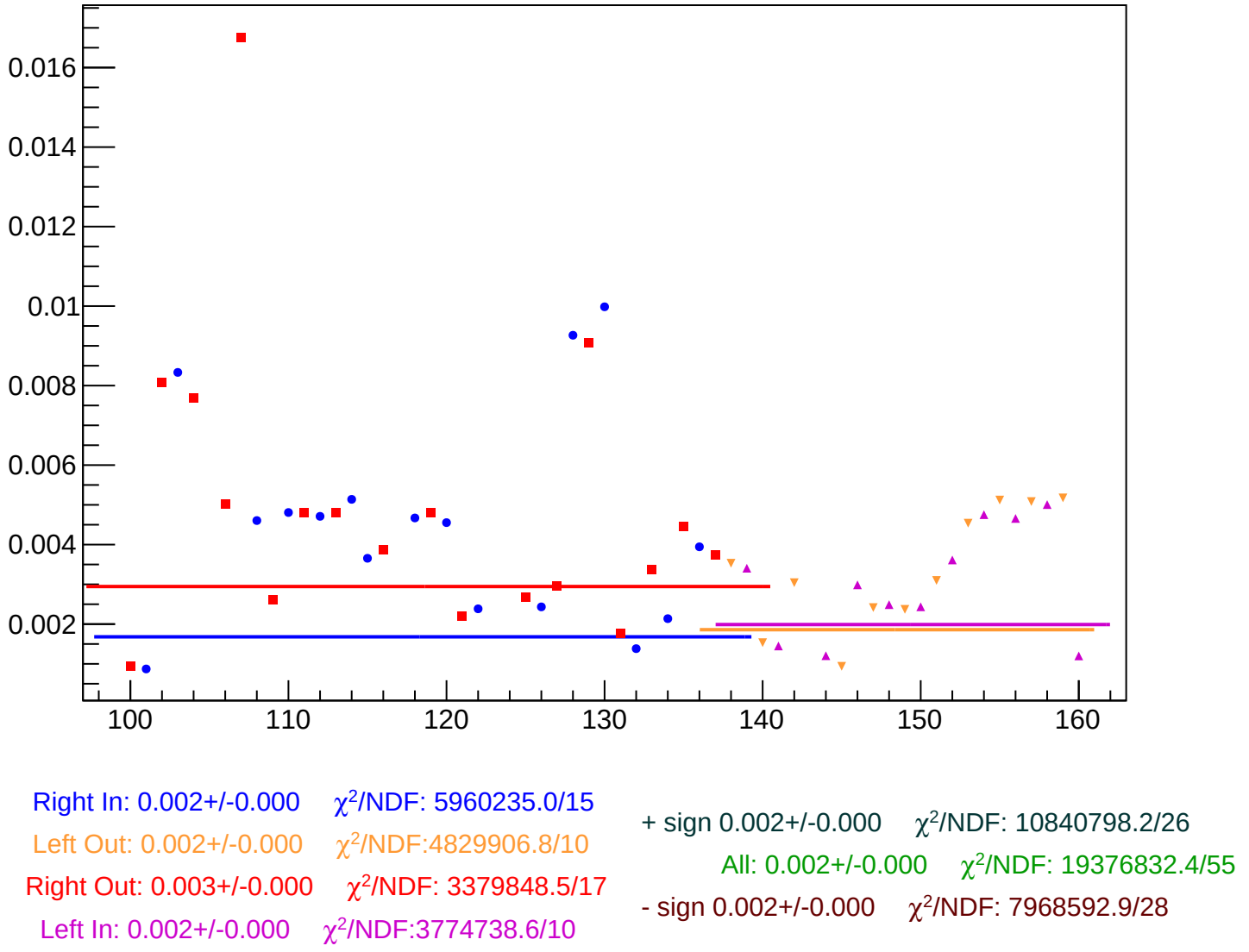
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:27.1/10
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:9.3/10
+ sign -0.000+/-0.000 χ²/NDF: 45.8/26
All: -0.000+/-0.000 χ²/NDF: 67.8/55
- sign -0.000+/-0.000 χ²/NDF: 22.0/28


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
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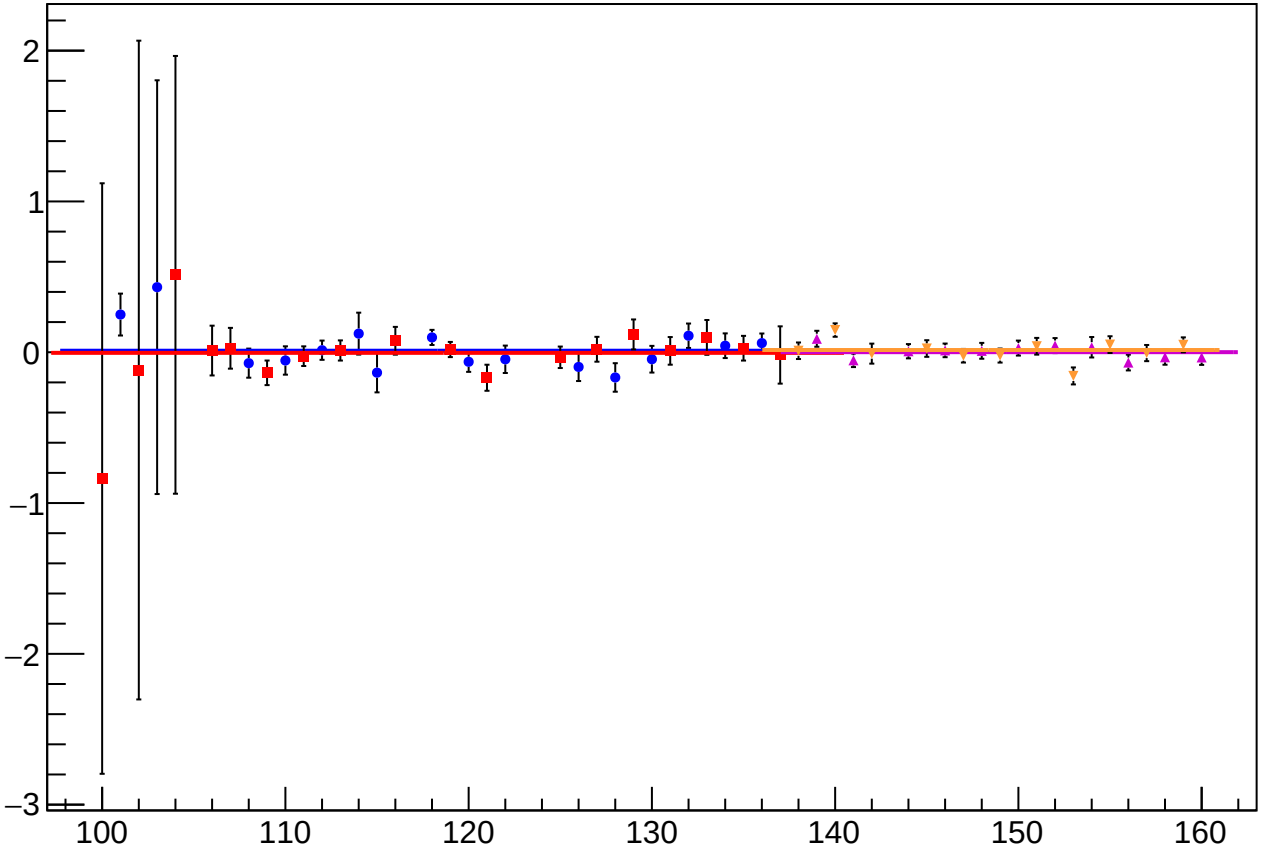
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.002+/-0.000 χ²/NDF:4829906.8/10
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:3774738.6/10
+ sign 0.002+/-0.000 χ²/NDF: 10840798.2/26
All: 0.002+/-0.000 χ²/NDF: 19376832.4/55
- sign 0.002+/-0.000 χ²/NDF: 7968592.9/28

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.015+/-0.016 χ^2/NDF:20.9/10

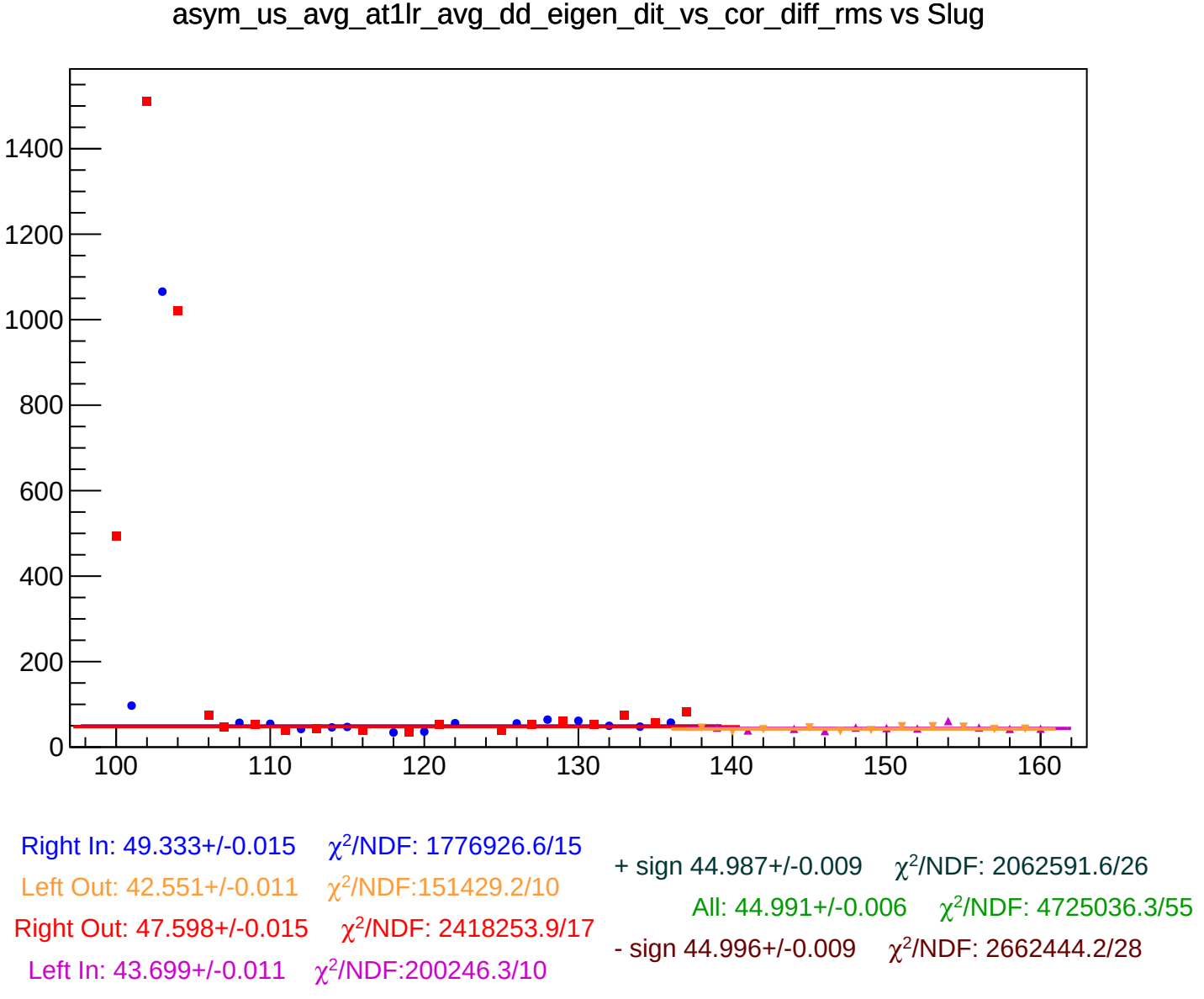
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.000+/-0.015 χ^2/NDF:8.3/10

+ sign 0.013+/-0.013 χ^2/NDF: 39.3/26

All: 0.006+/-0.009 χ^2/NDF: 58.8/55

- 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
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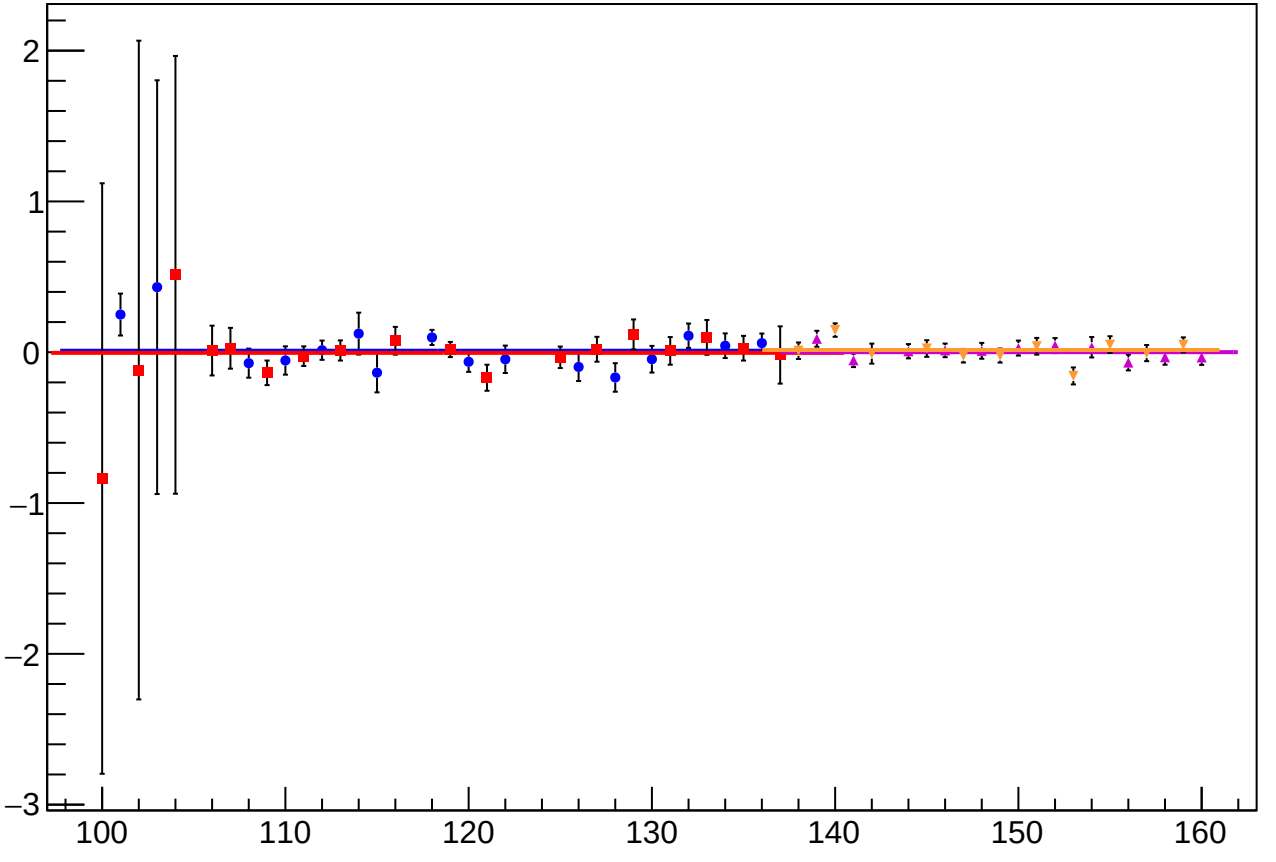
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.551+/-0.011 χ²/NDF:151429.2/10
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 43.699+/-0.011 χ²/NDF:200246.3/10
+ sign 44.987+/-0.009 χ²/NDF: 2062591.6/26
All: 44.991+/-0.006 χ²/NDF: 4725036.3/55
- sign 44.996+/-0.009 χ²/NDF: 2662444.2/28

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.015+/-0.016 χ^2/NDF:20.9/10

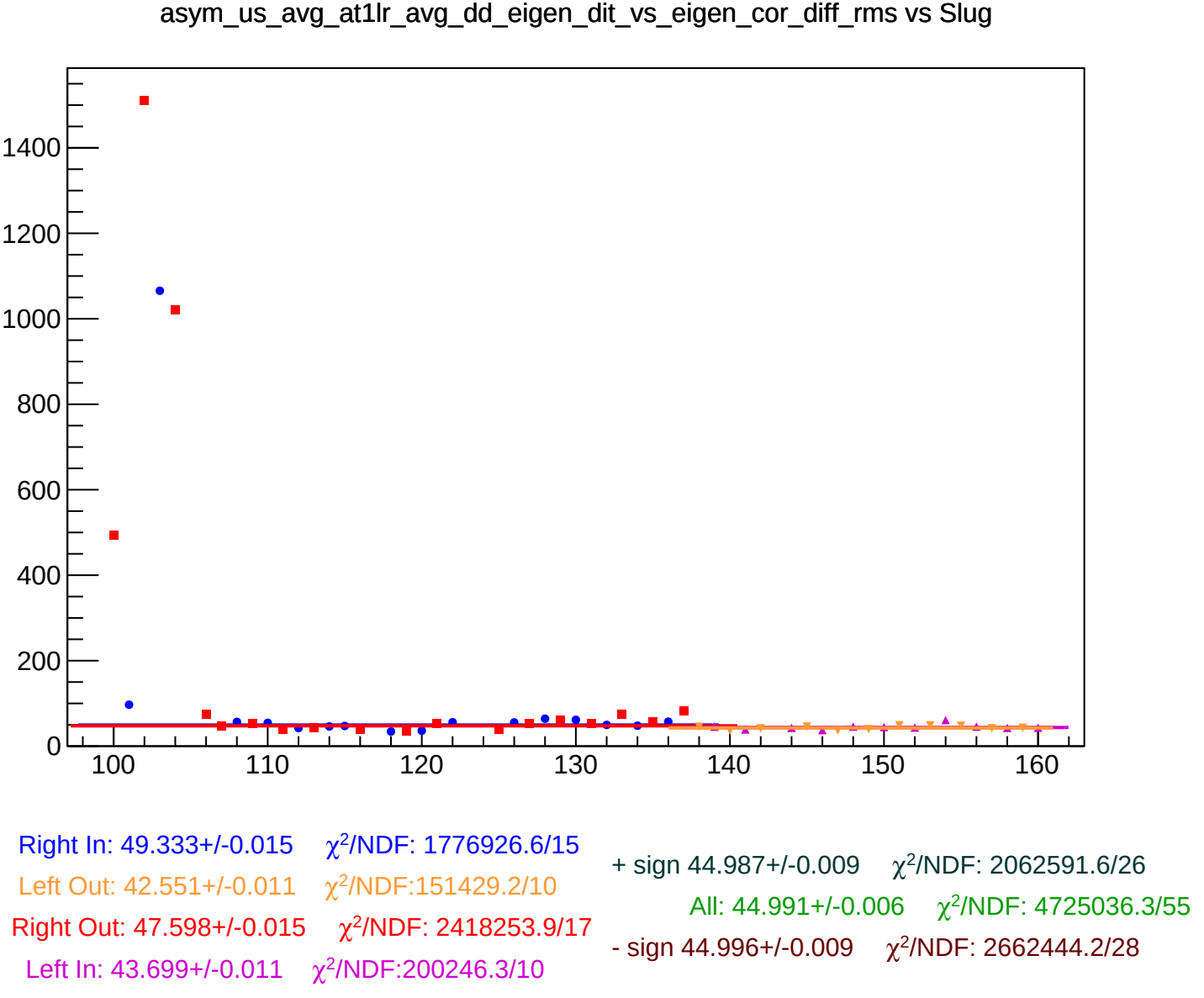
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.000+/-0.015 χ^2/NDF:8.3/10

+ sign 0.013+/-0.013 χ^2/NDF: 39.3/26

All: 0.006+/-0.009 χ^2/NDF: 58.8/55

- 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
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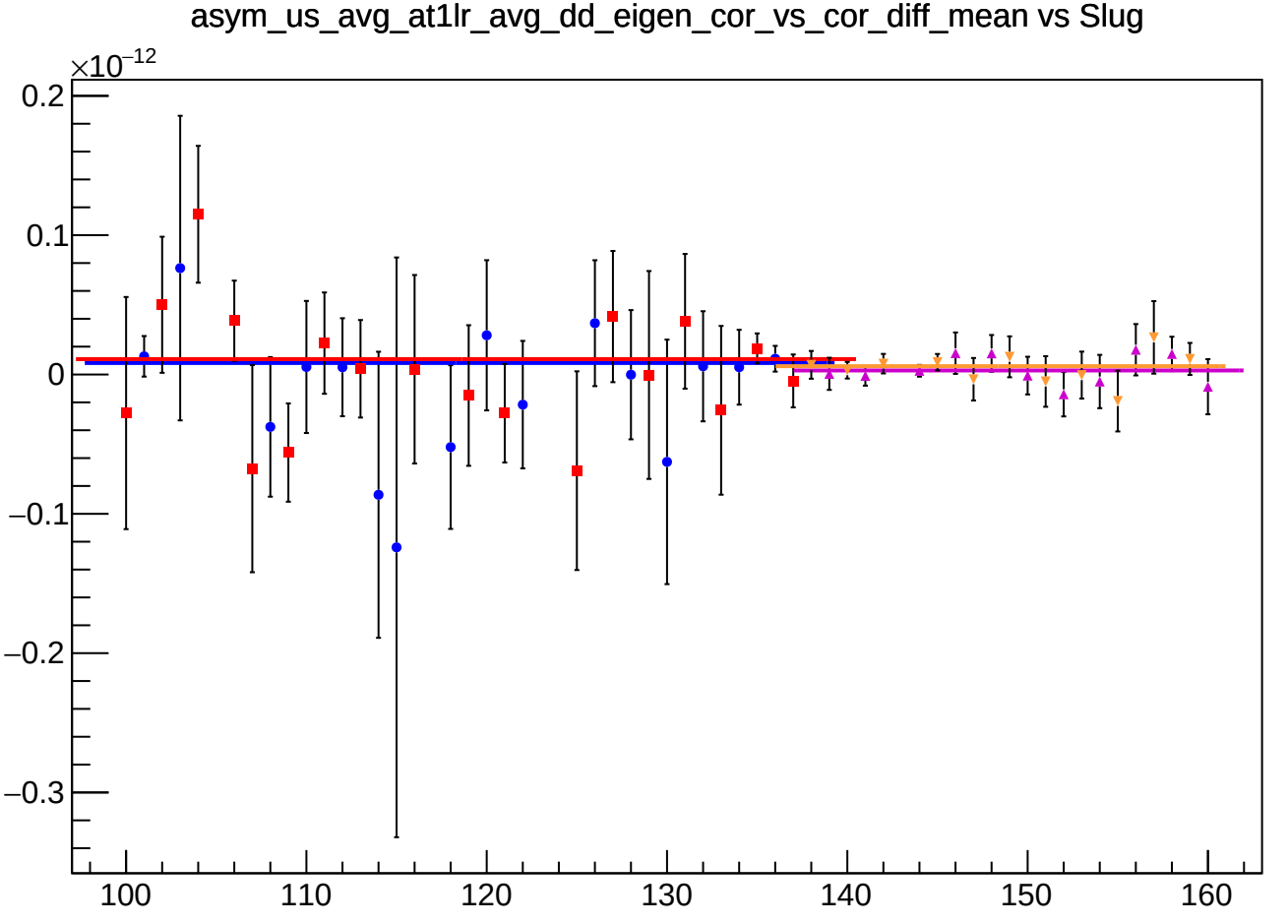
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.551+/-0.011 χ²/NDF:151429.2/10
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 43.699+/-0.011 χ²/NDF:200246.3/10
+ sign 44.987+/-0.009 χ²/NDF: 2062591.6/26
All: 44.991+/-0.006 χ²/NDF: 4725036.3/55
- sign 44.996+/-0.009 χ²/NDF: 2662444.2/28



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.8/10

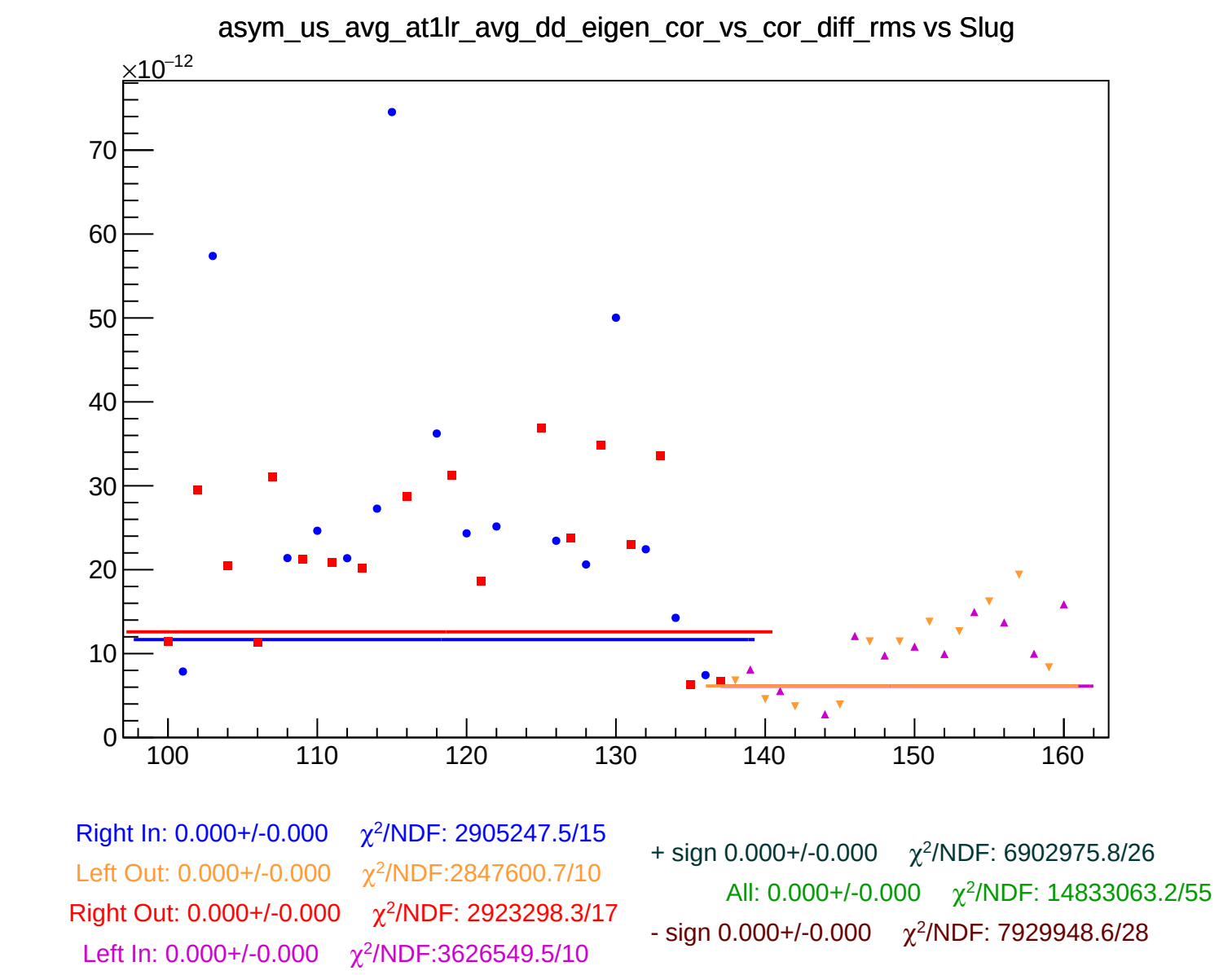
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:5.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 9.3/26

All: 0.000+/-0.000 χ^2/NDF: 32.2/55

- sign 0.000+/-0.000 χ^2/NDF: 22.5/28


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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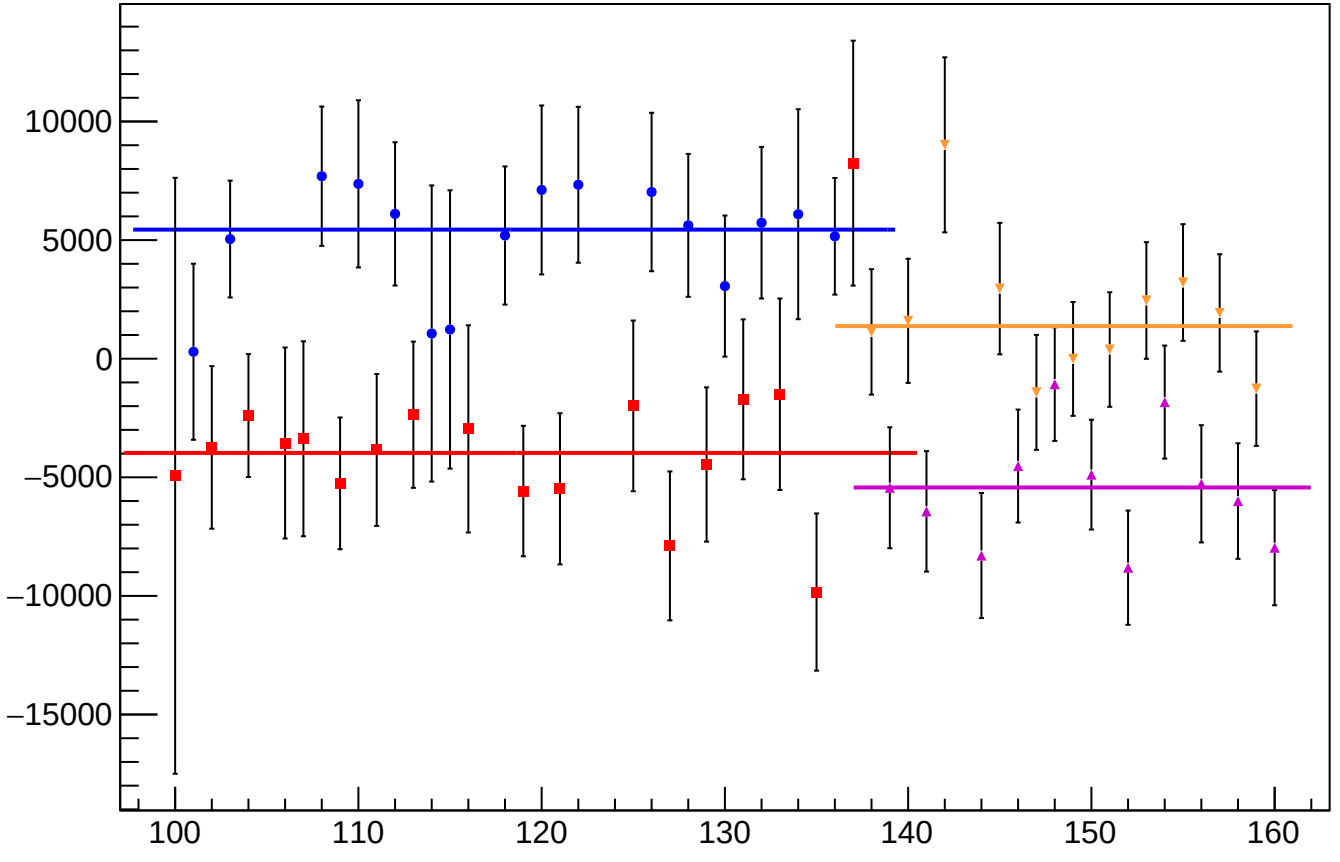
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2847600.7/10
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:3626549.5/10
+ sign 0.000+/-0.000 χ²/NDF: 6902975.8/26
All: 0.000+/-0.000 χ²/NDF: 14833063.2/55
- sign 0.000+/-0.000 χ²/NDF: 7929948.6/28

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1374.883+/-772.997 χ^2/NDF:8.5/10

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

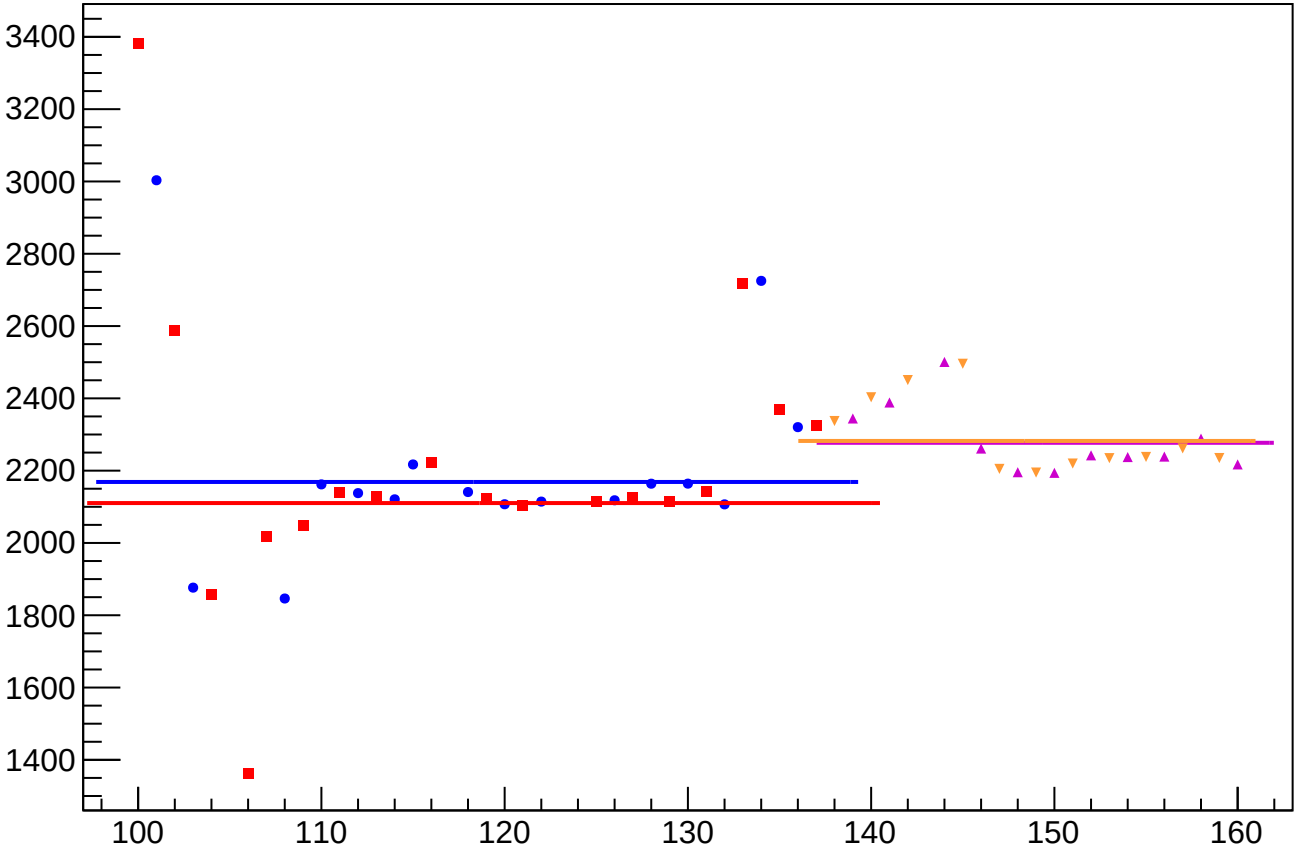
Left In: -5429.408+/-737.060 χ^2/NDF:10.3/10

+ sign 3307.249+/-560.047 χ^2/NDF: 27.0/26

All: -841.572+/-390.529 χ^2/NDF: 158.8/55

- 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: 2282.188+/-0.547 χ^2/NDF:29506.8/10

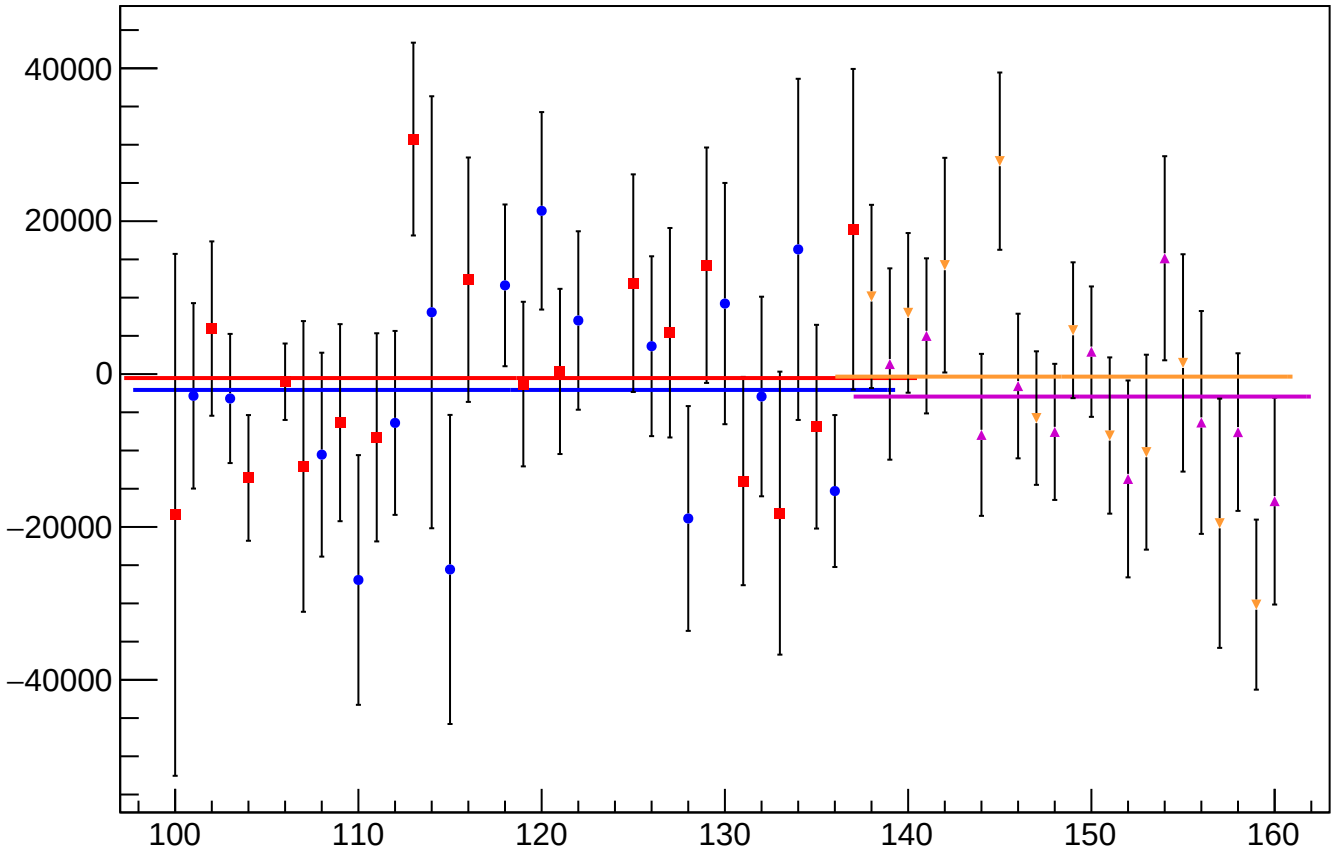
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2277.060+/-0.521 χ^2/NDF:27325.8/10

+ sign 2228.280+/-0.396 χ^2/NDF: 245641.3/26

All: 2213.714+/-0.275 χ^2/NDF: 590206.0/55

- 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: -334.244+/-3391.615 χ^2/NDF:19.0/10

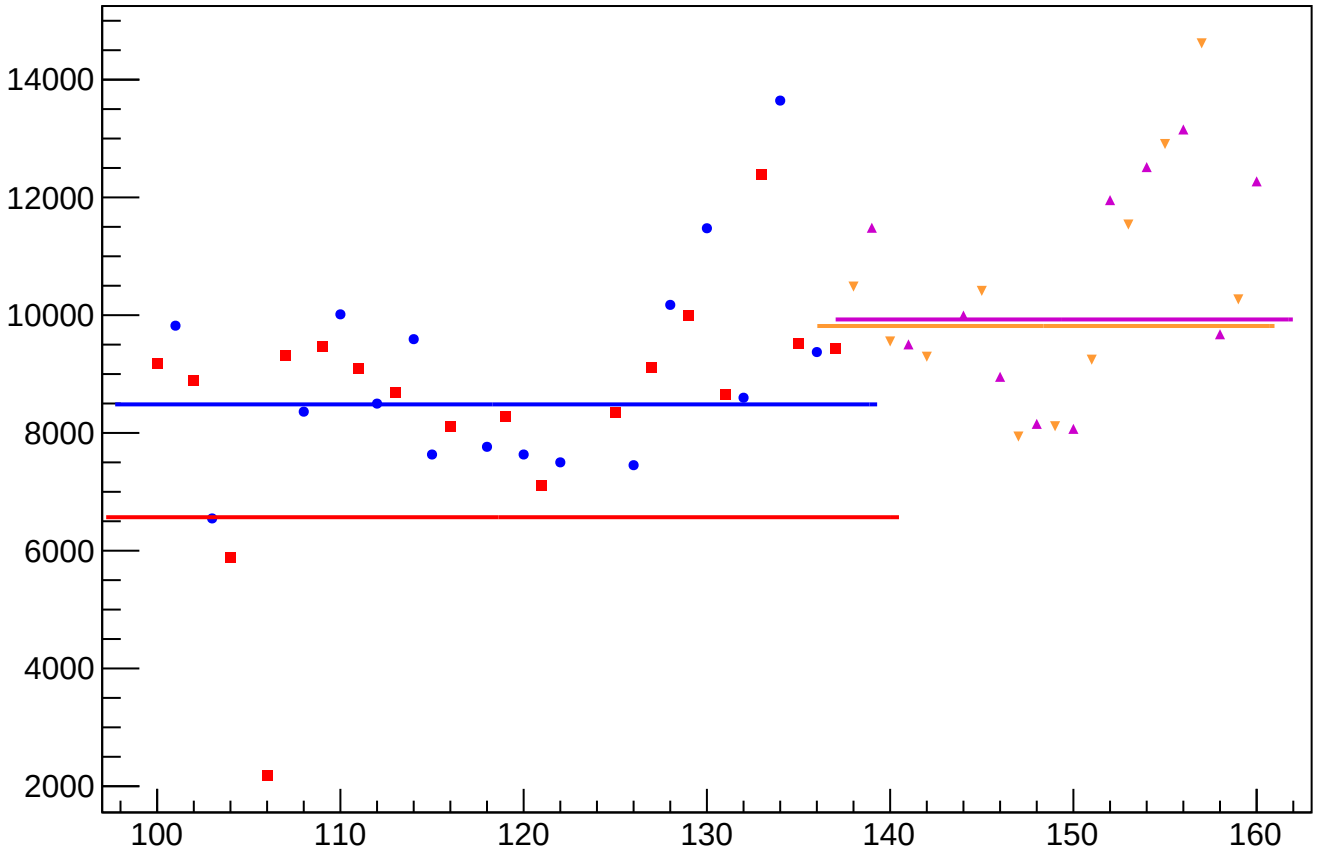
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -2943.604+/-3265.695 χ^2/NDF:5.5/10

+ sign -1251.827+/-2332.176 χ^2/NDF: 33.6/26

All: -1396.036+/-1555.628 χ^2/NDF: 55.1/55

- 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: 9816.064+/-2.398 χ^2/NDF:495451.9/10

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

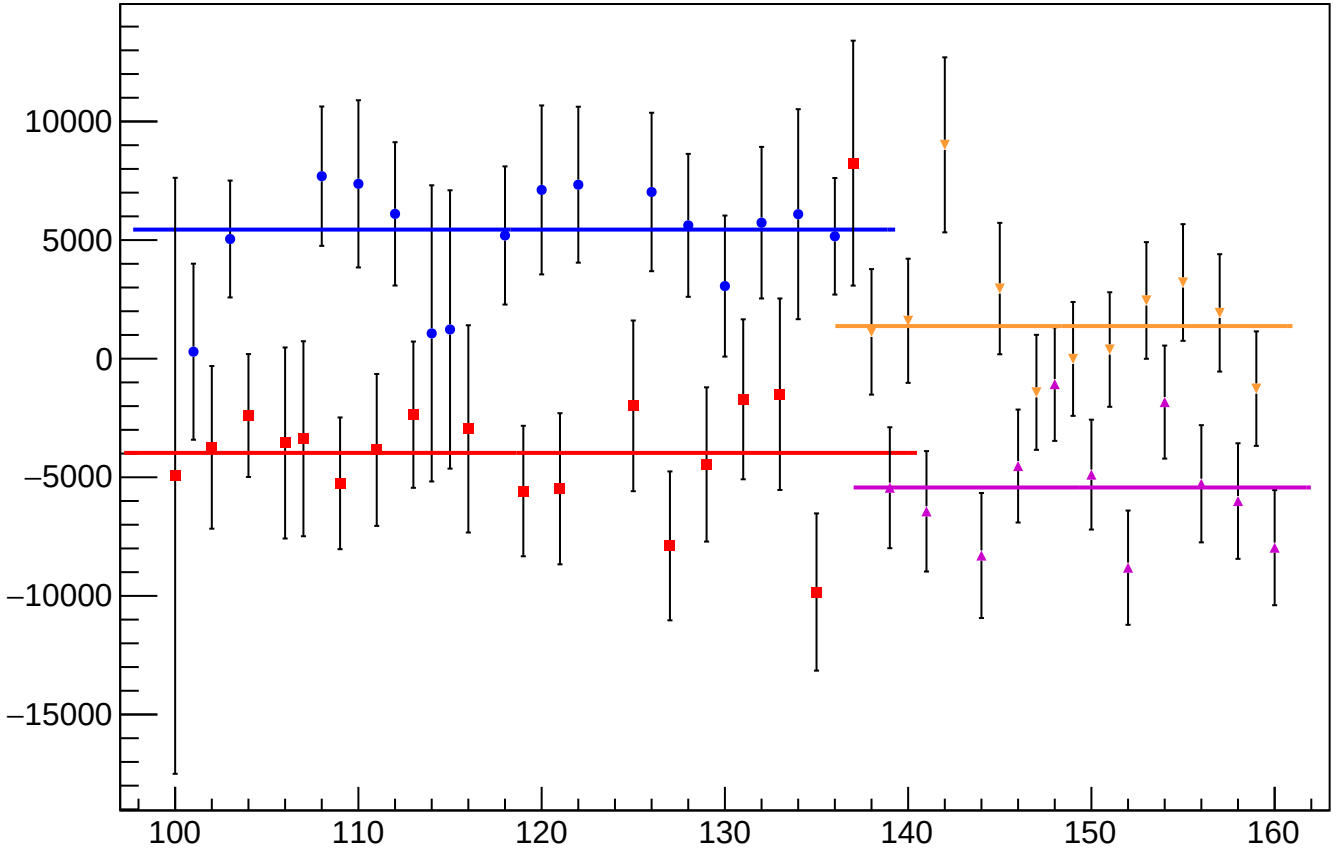
Left In: 9927.329+/-2.309 χ^2/NDF:513940.0/10

+ sign 9114.374+/-1.649 χ^2/NDF: 1080548.9/26

All: 8463.462+/-1.100 χ^2/NDF: 5694696.5/55

- sign 7941.714+/-1.476 χ^2/NDF: 4333474.1/28

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1374.739+/-772.997 χ^2/NDF:8.5/10

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

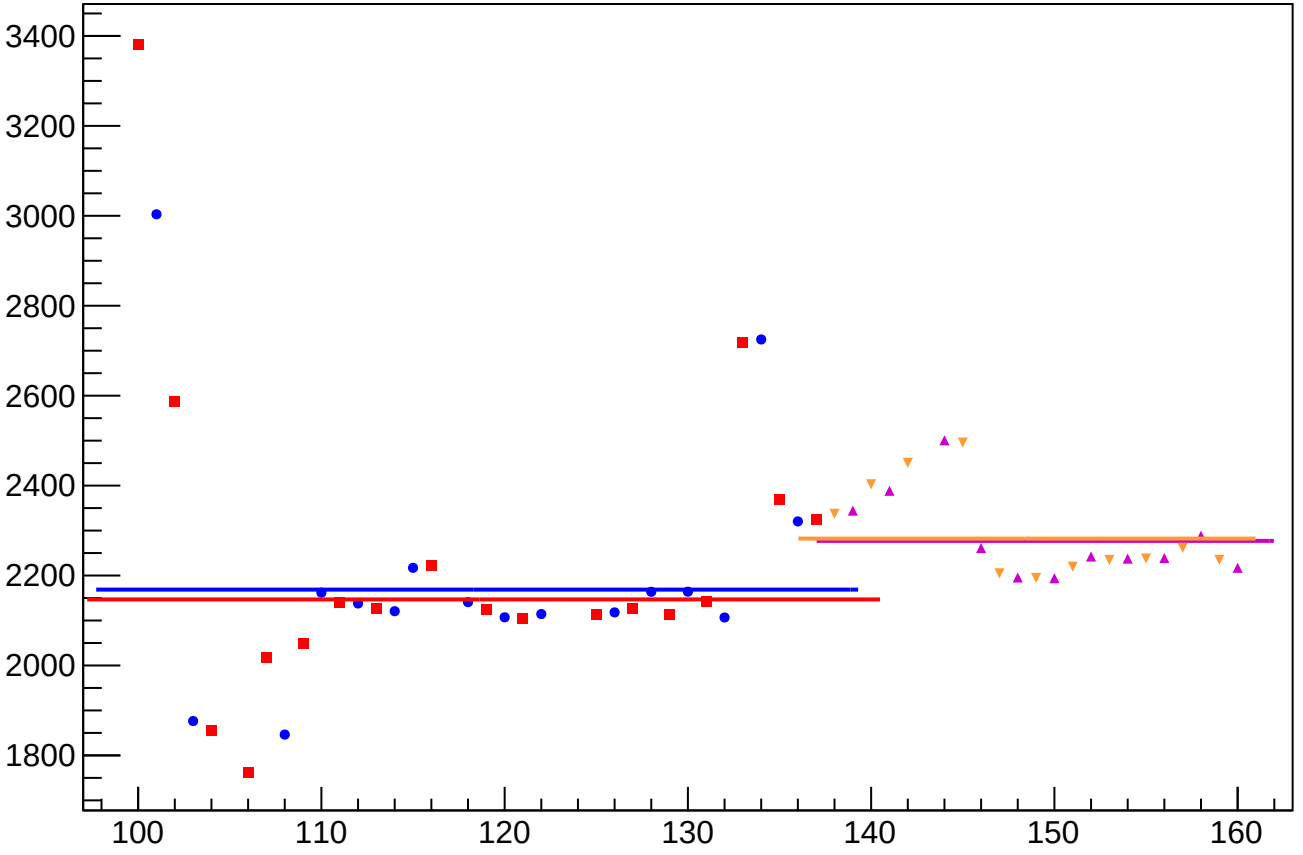
Left In: -5429.548+/-737.060 χ^2/NDF:10.3/10

+ sign 3307.240+/-560.047 χ^2/NDF: 27.0/26

All: -841.555+/-390.529 χ^2/NDF: 158.8/55

- 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: 2282.188+/-0.547 χ^2/NDF:29506.8/10

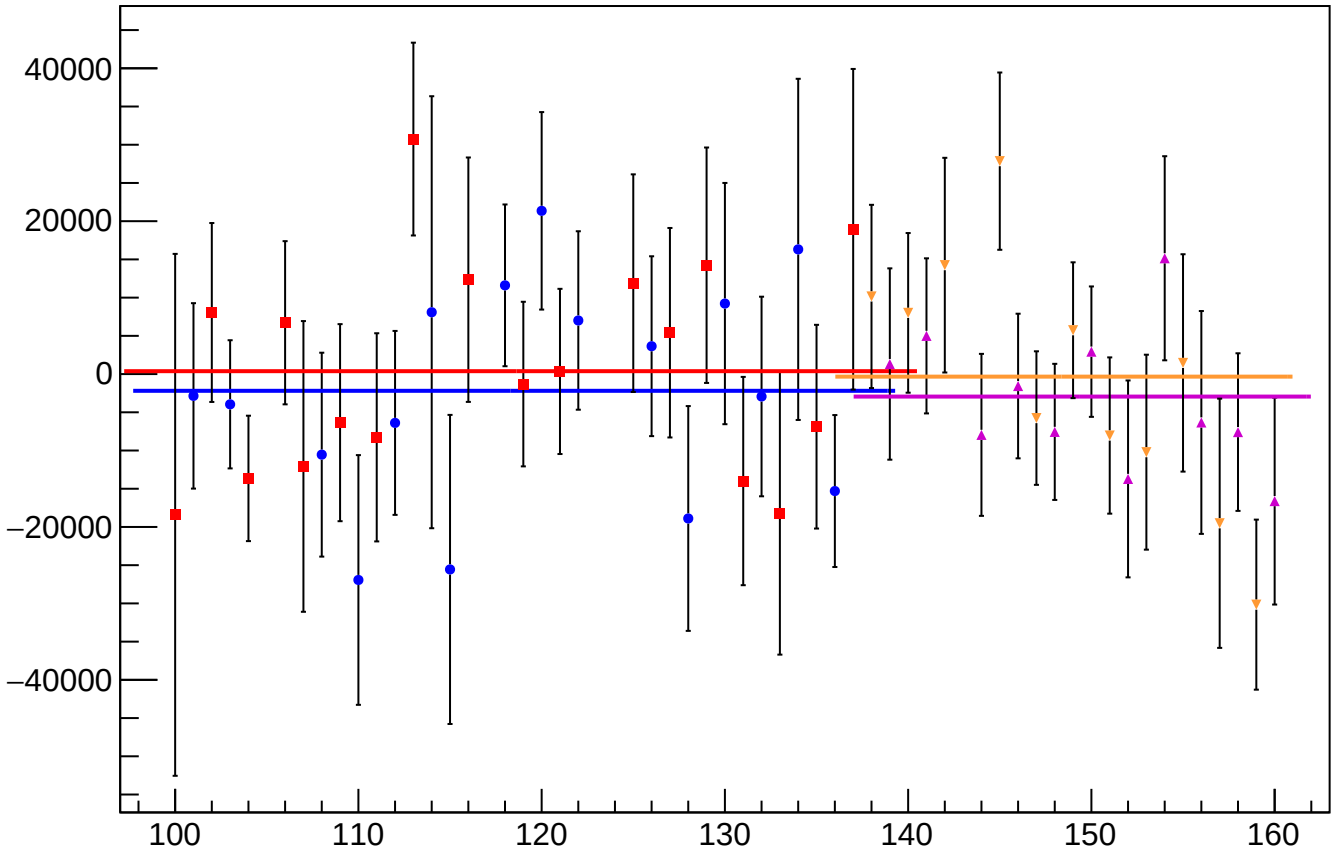
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2277.060+/-0.521 χ^2/NDF:27325.8/10

+ sign 2228.279+/-0.396 χ^2/NDF: 245641.7/26

All: 2222.832+/-0.276 χ^2/NDF: 459533.6/55

- 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: -334.332+/-3391.613 χ^2/NDF:19.0/10

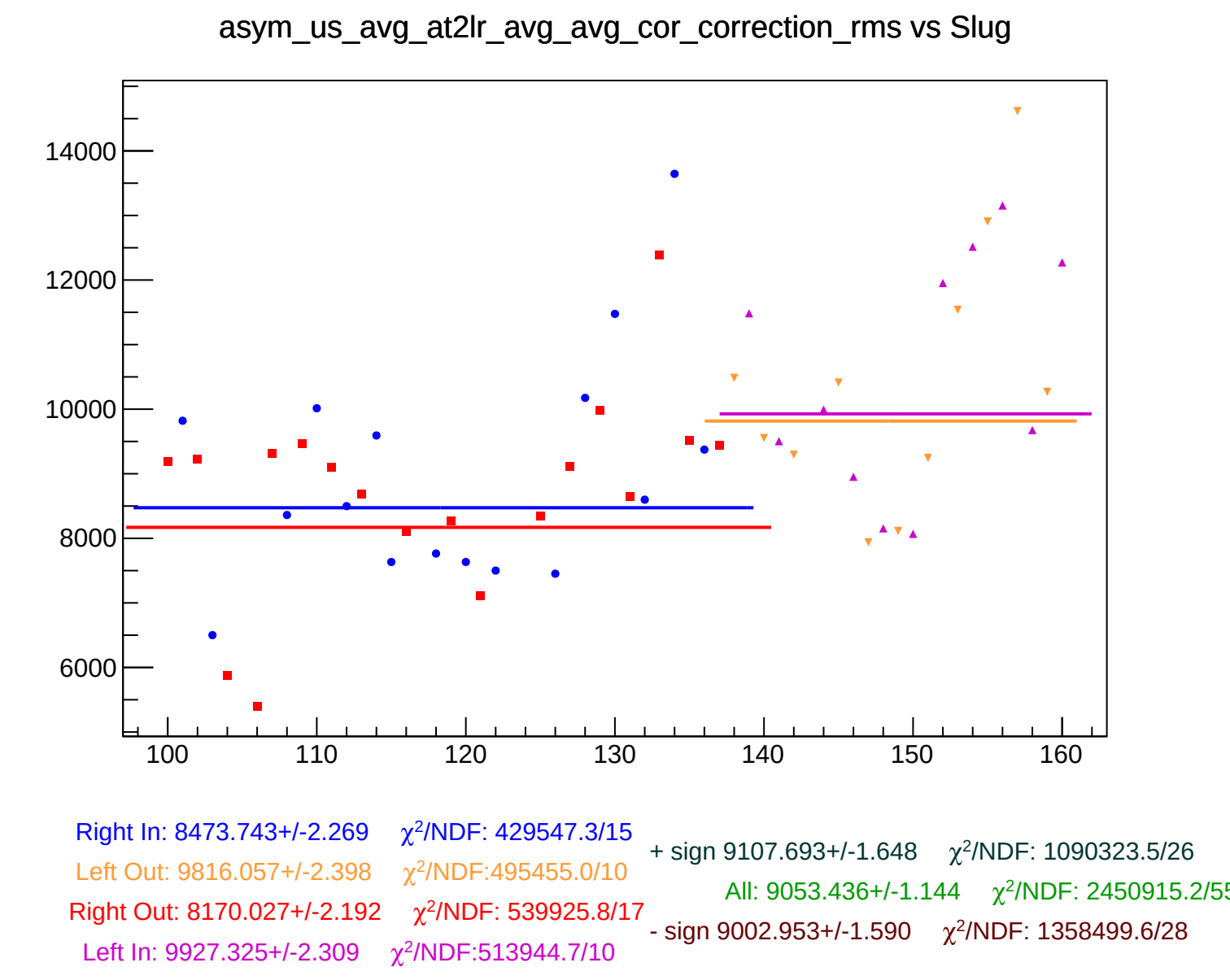
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

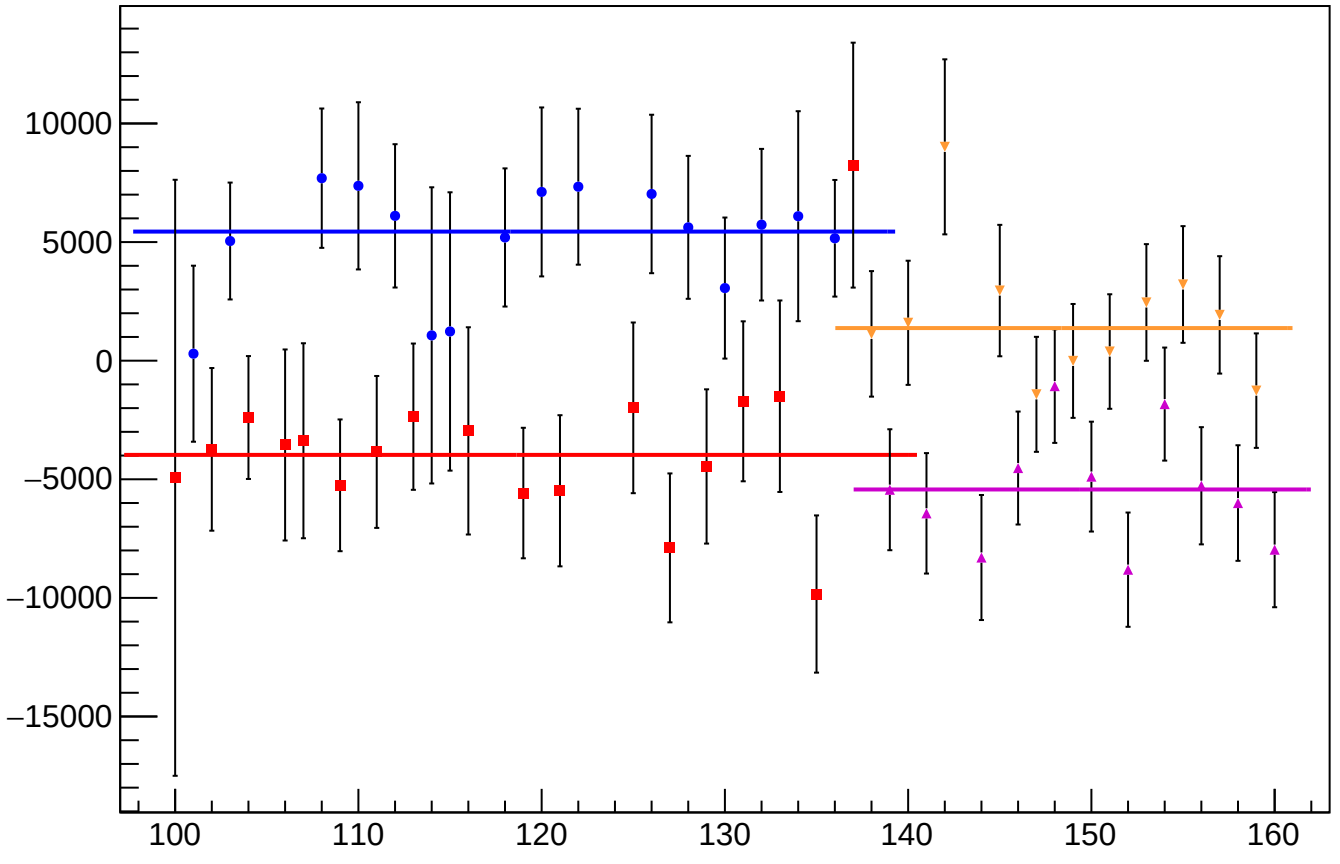
Left In: -2943.827+/-3265.693 χ^2/NDF:5.5/10

+ sign -1313.211+/-2330.808 χ^2/NDF: 33.6/26

All: -1252.407+/-1618.174 χ^2/NDF: 56.0/55

- 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: 9816.057+/-2.398 χ²/NDF:495455.0/10
Right Out: 8170.027+/-2.192 χ²/NDF: 539925.8/17
Left In: 9927.325+/-2.309 χ²/NDF:513944.7/10
+ sign 9107.693+/-1.648 χ²/NDF: 1090323.5/26
All: 9053.436+/-1.144 χ²/NDF: 2450915.2/55
- sign 9002.953+/-1.590 χ²/NDF: 1358499.6/28



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1374.739+/-772.997 χ^2/NDF:8.5/10

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

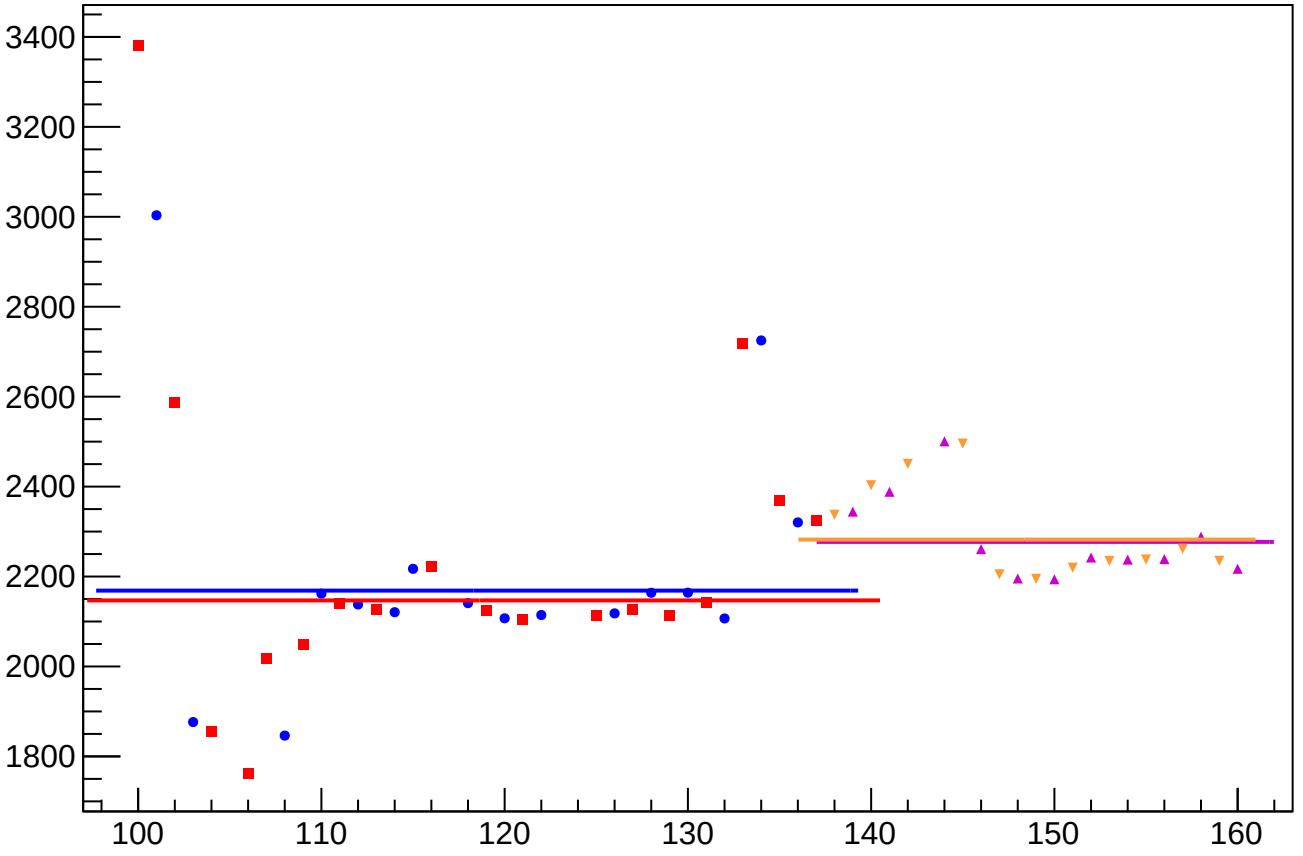
Left In: -5429.548+/-737.060 χ^2/NDF:10.3/10

+ sign 3307.240+/-560.047 χ^2/NDF: 27.0/26

All: -841.555+/-390.529 χ^2/NDF: 158.8/55

- 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: 2282.188+/-0.547 χ^2/NDF:29506.8/10

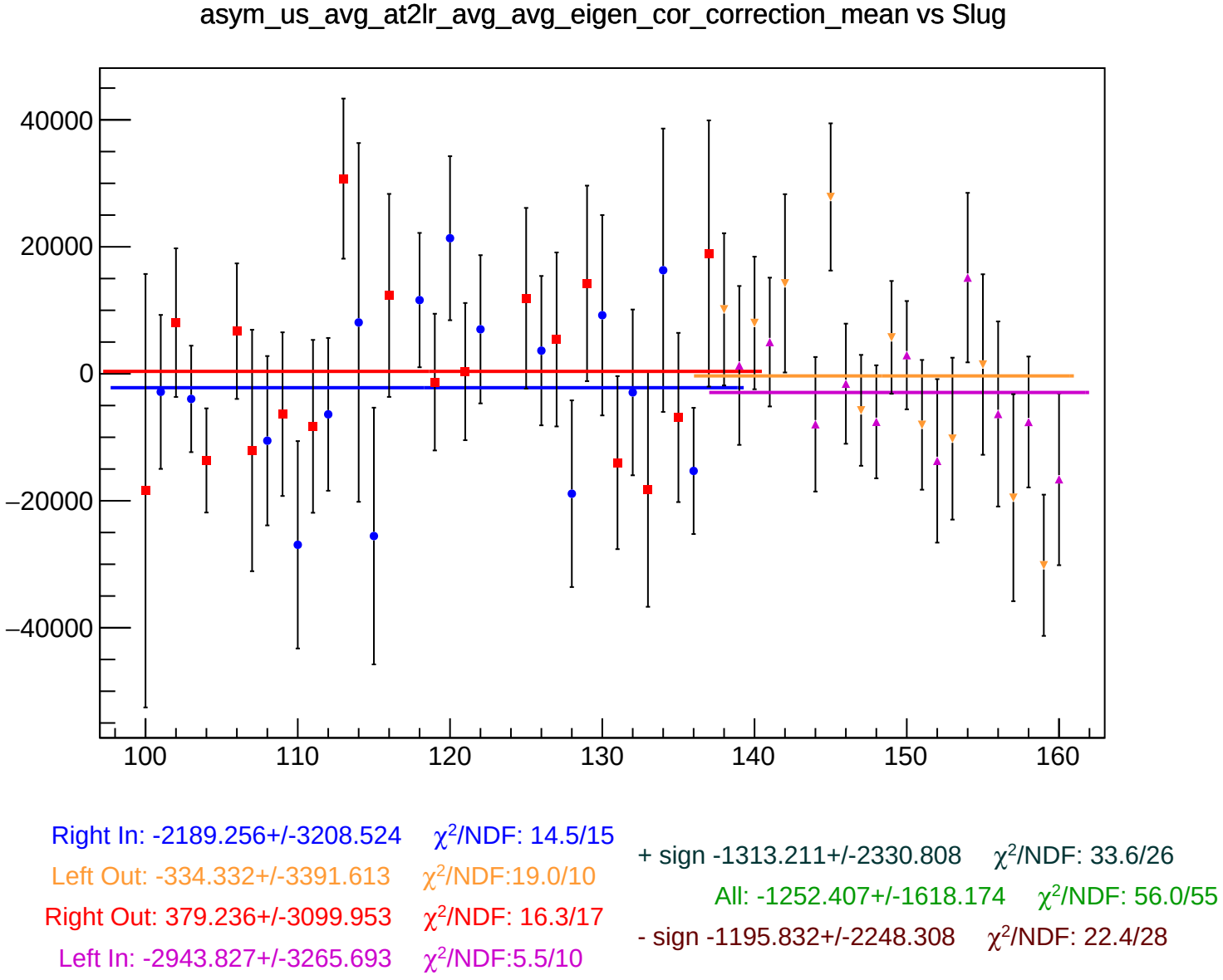
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

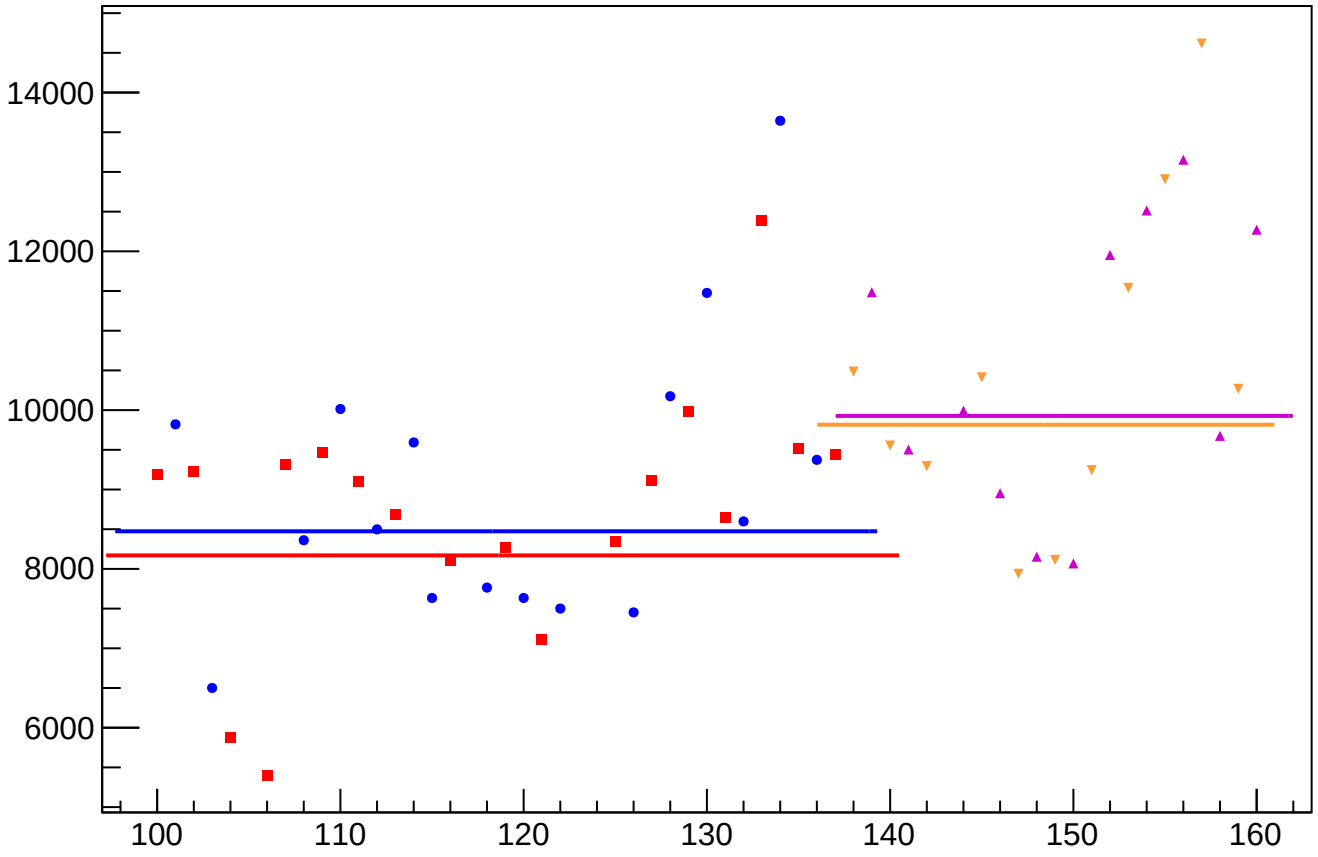
Left In: 2277.060+/-0.521 χ^2/NDF:27325.8/10

+ sign 2228.279+/-0.396 χ^2/NDF: 245641.7/26

All: 2222.832+/-0.276 χ^2/NDF: 459533.6/55

- sign 2217.699+/-0.384 χ^2/NDF: 213524.3/28


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -334.332+/-3391.613 χ²/NDF:19.0/10
Right Out: 379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: -2943.827+/-3265.693 χ²/NDF:5.5/10
+ sign -1313.211+/-2330.808 χ²/NDF: 33.6/26
All: -1252.407+/-1618.174 χ²/NDF: 56.0/55
- sign -1195.832+/-2248.308 χ²/NDF: 22.4/28



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9816.057+/-2.398 χ^2/NDF:495455.0/10

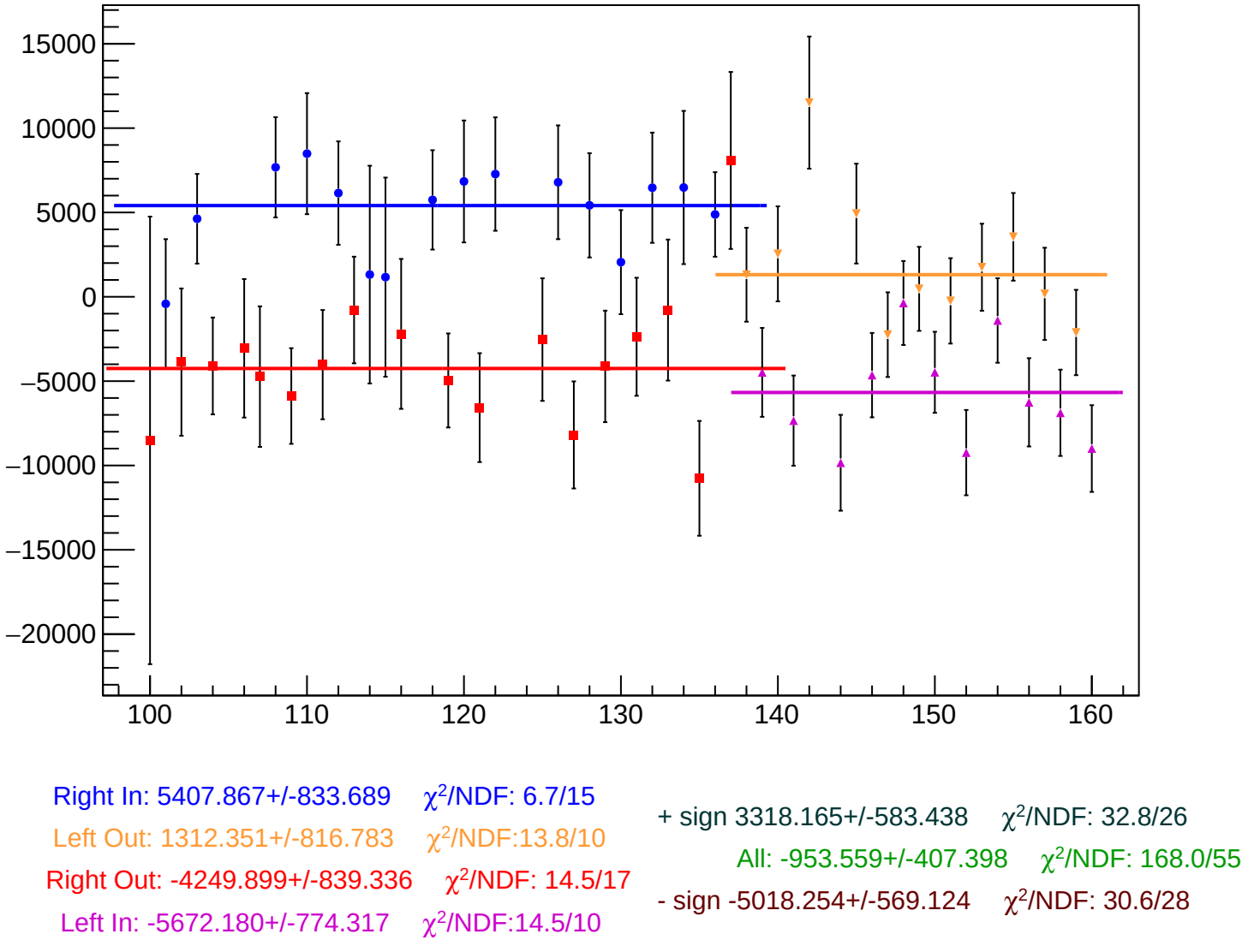
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9927.325+/-2.309 χ^2/NDF:513944.7/10

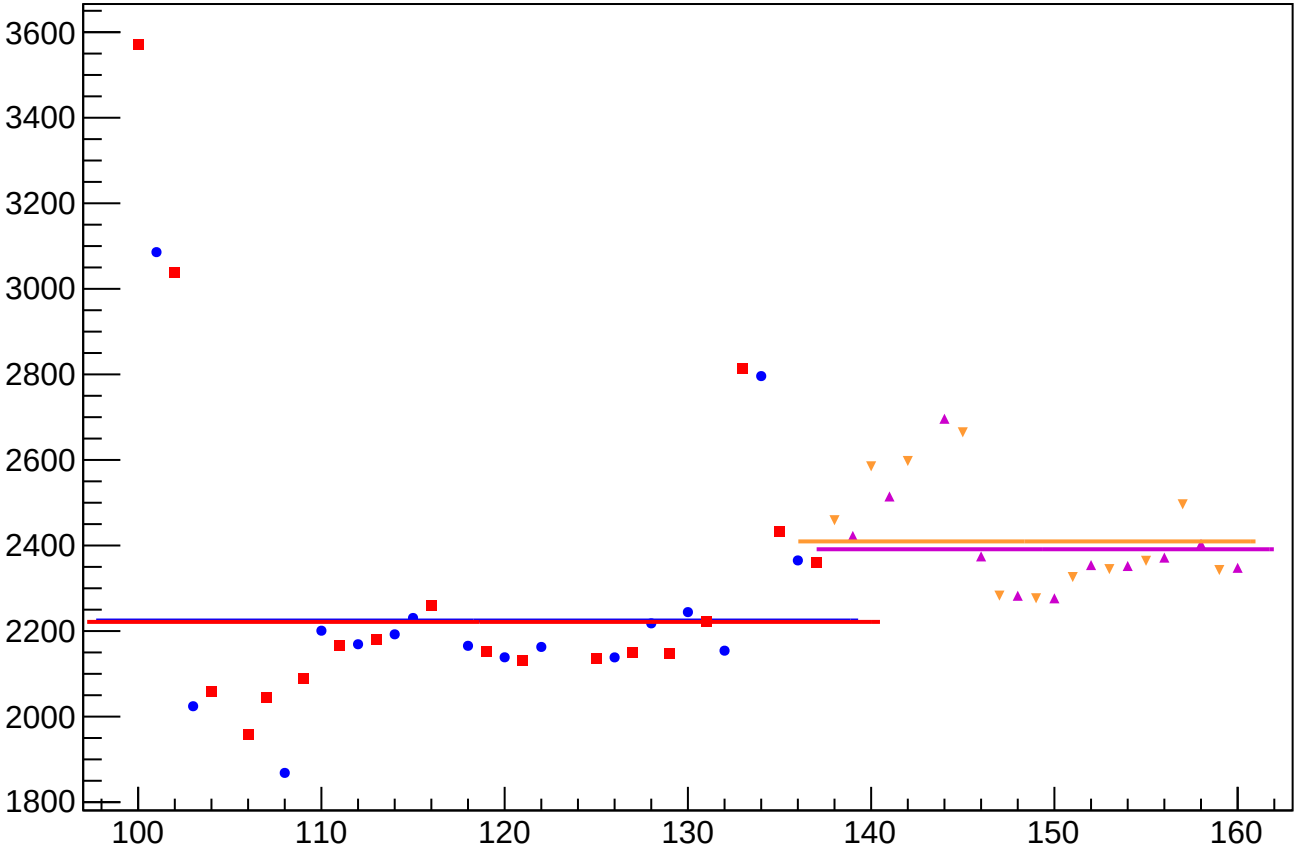
+ sign 9107.693+/-1.648 χ^2/NDF: 1090323.5/26

All: 9053.436+/-1.144 χ^2/NDF: 2450915.2/55

- sign 9002.953+/-1.590 χ^2/NDF: 1358499.6/28


dit_asym_us_avg_at2lr_avg_avg_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 5407.867+/-833.689 χ²/NDF: 6.7/15
Left Out: 1312.351+/-816.783 χ²/NDF:13.8/10
Right Out: -4249.899+/-839.336 χ²/NDF: 14.5/17
Left In: -5672.180+/-774.317 χ²/NDF:14.5/10
+ sign 3318.165+/-583.438 χ²/NDF: 32.8/26
All: -953.559+/-407.398 χ²/NDF: 168.0/55
- sign -5018.254+/-569.124 χ²/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: 2409.564+/-0.578 χ^2/NDF:46105.5/10

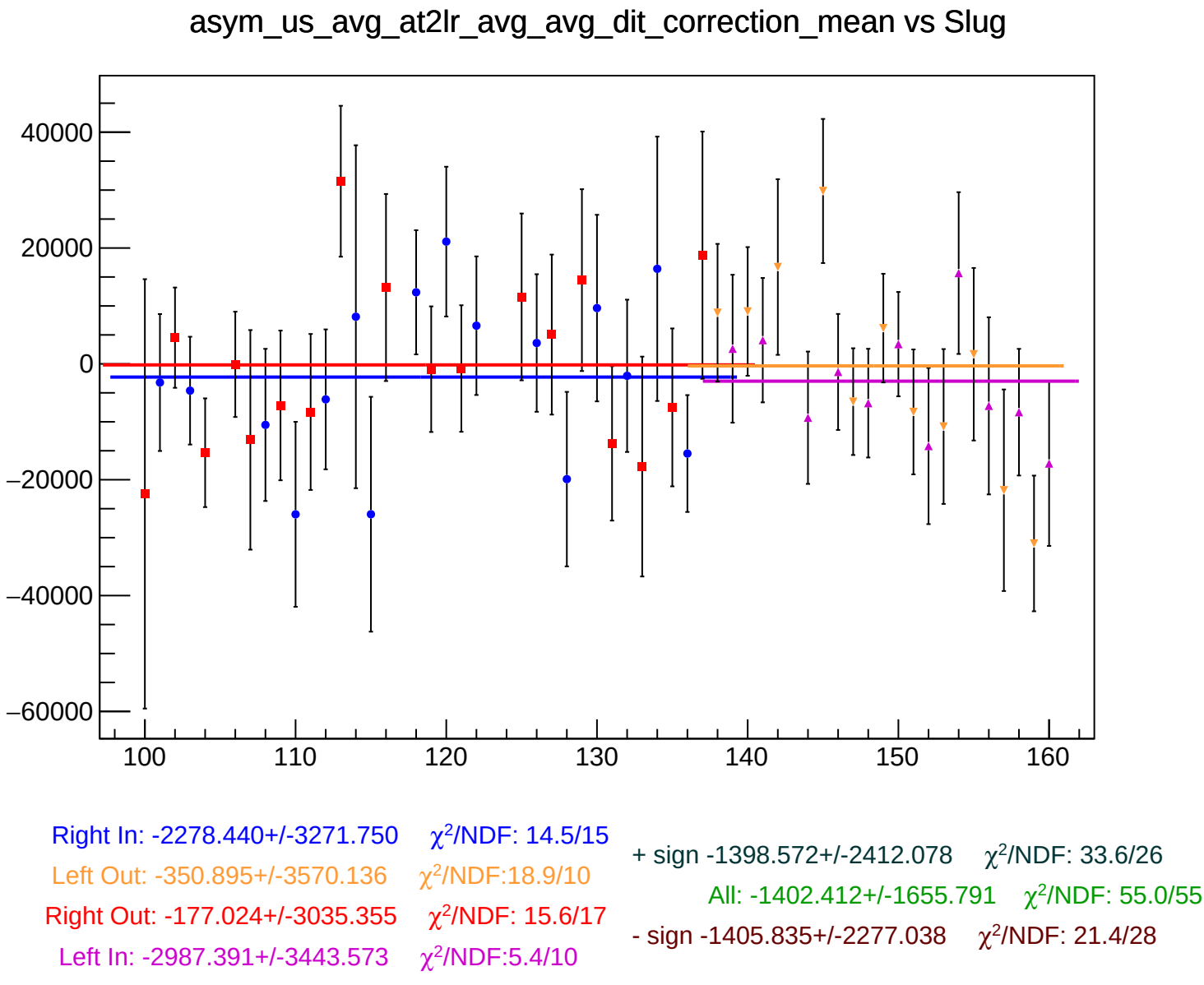
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2391.211+/-0.548 χ^2/NDF:37687.9/10

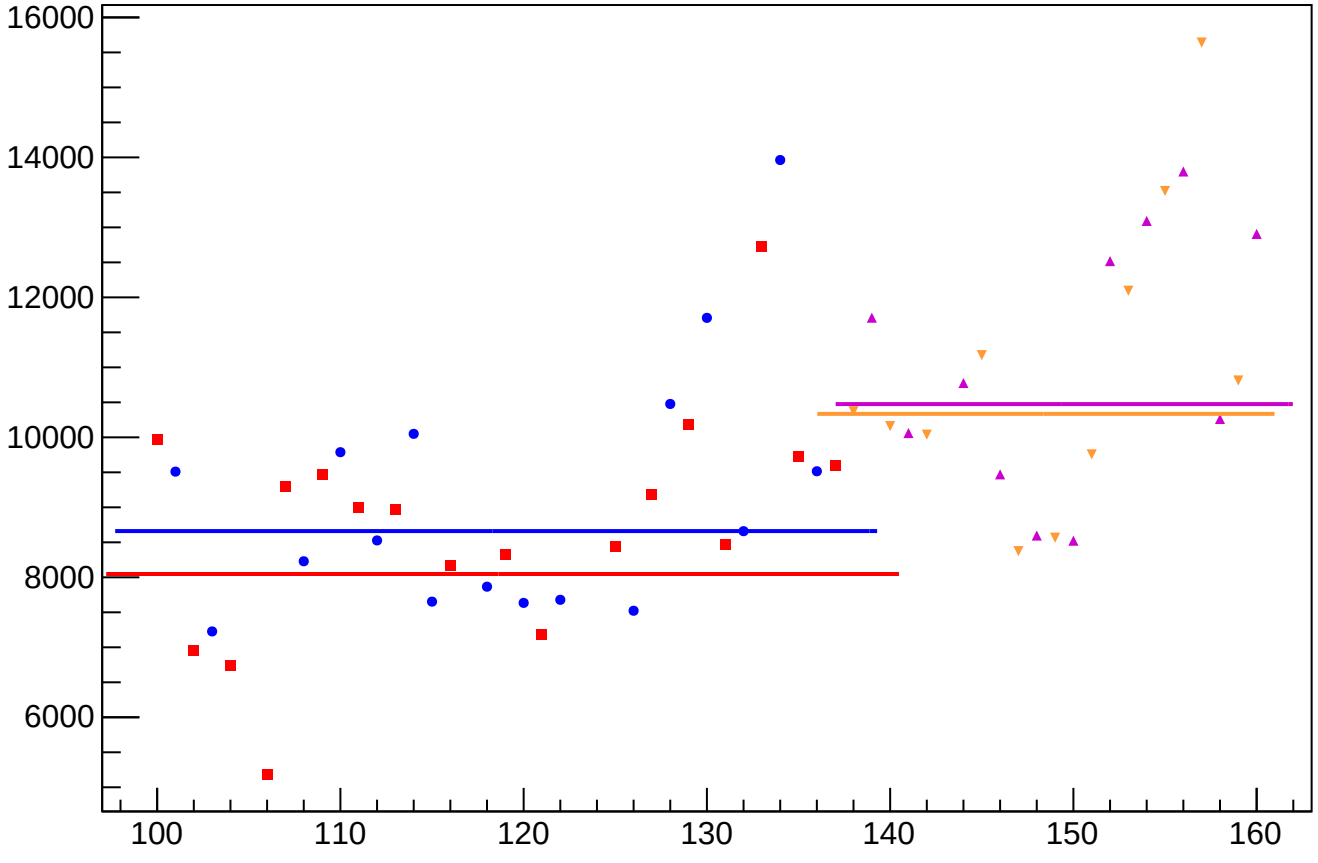
+ sign 2318.983+/-0.413 χ^2/NDF: 281008.9/26

All: 2315.966+/-0.288 χ^2/NDF: 532986.7/55

- sign 2313.096+/-0.402 χ^2/NDF: 251873.4/28


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug
40000
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
Right In: -2278.440+/-3271.750 χ²/NDF: 14.5/15
Left Out: -350.895+/-3570.136 χ²/NDF:18.9/10
Right Out: -177.024+/-3035.355 χ²/NDF: 15.6/17
Left In: -2987.391+/-3443.573 χ²/NDF:5.4/10
+ sign -1398.572+/-2412.078 χ²/NDF: 33.6/26
All: -1402.412+/-1655.791 χ²/NDF: 55.0/55
- sign -1405.835+/-2277.038 χ²/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: 10335.501+/-2.524 χ^2/NDF:493430.3/10

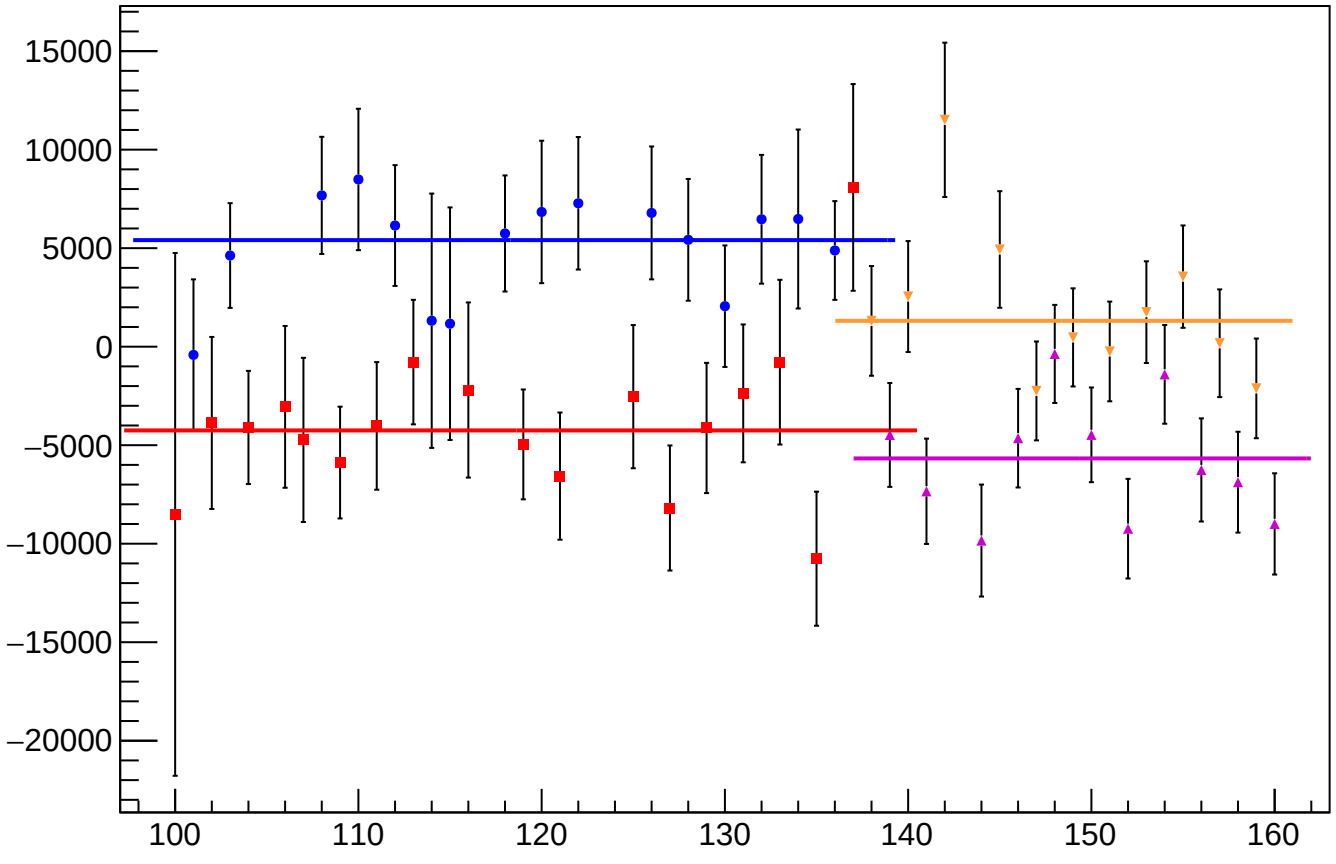
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10475.271+/-2.435 χ^2/NDF:486973.3/10

+ sign 9425.216+/-1.706 χ^2/NDF: 1090609.7/26

All: 9258.010+/-1.171 χ^2/NDF: 2713769.8/55

- 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: 1312.339+/-816.785 χ^2/NDF:13.8/10

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

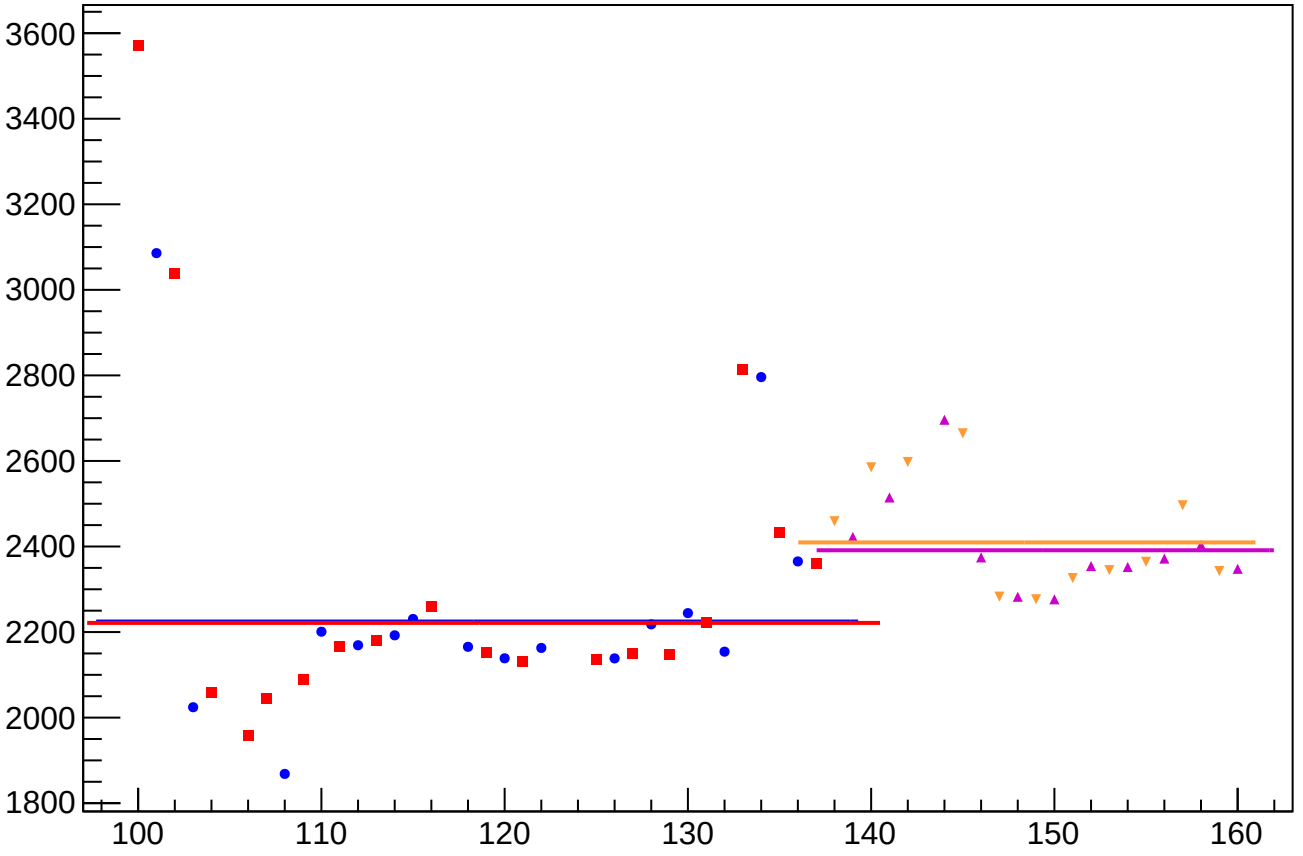
Left In: -5672.182+/-774.318 χ^2/NDF:14.5/10

+ sign 3318.162+/-583.439 χ^2/NDF: 32.8/26

All: -953.561+/-407.398 χ^2/NDF: 168.0/55

- 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: 2409.567+/-0.578 χ^2/NDF:46106.2/10

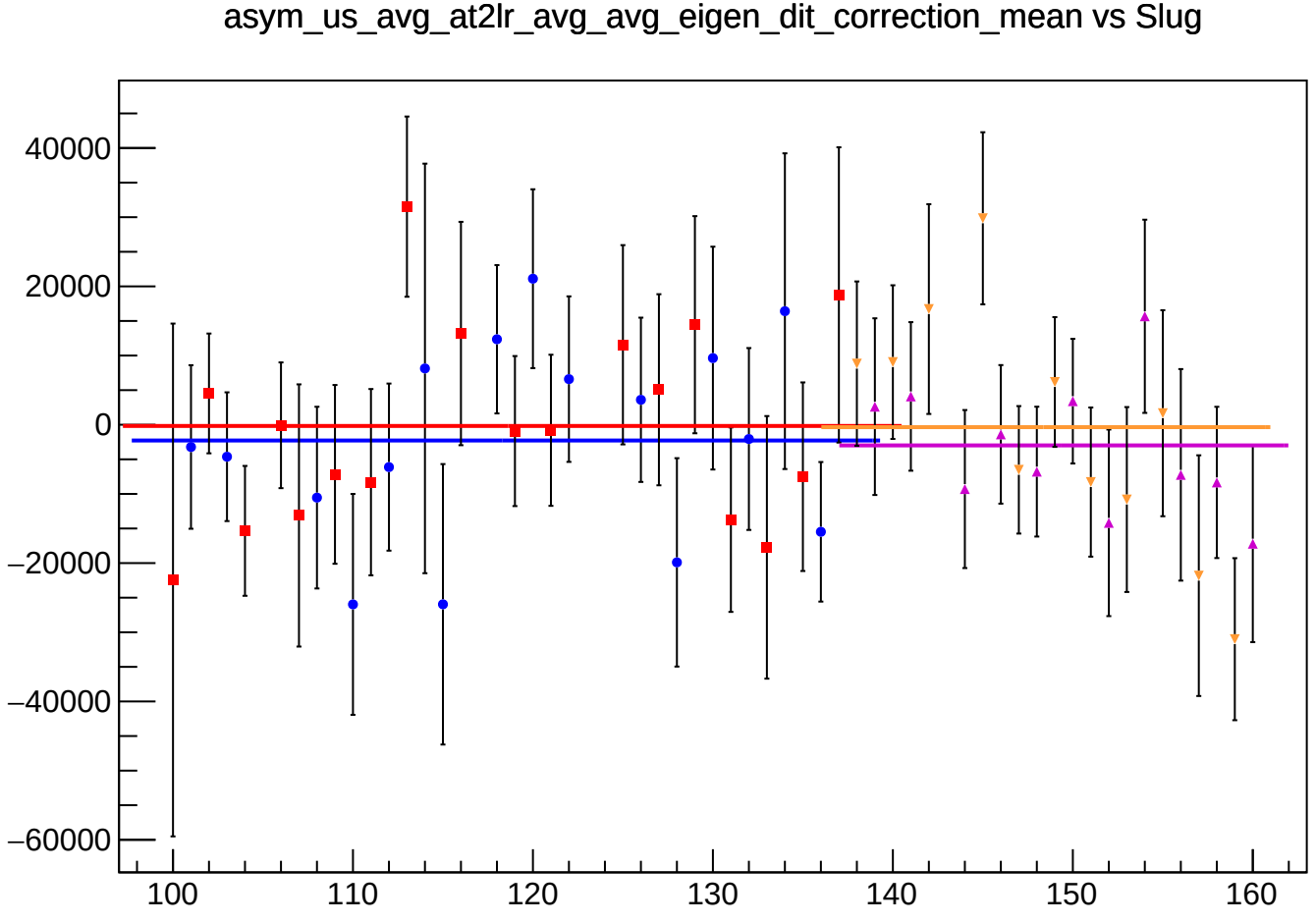
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2391.214+/-0.548 χ^2/NDF:37688.2/10

+ sign 2318.984+/-0.413 χ^2/NDF: 281011.8/26

All: 2315.967+/-0.288 χ^2/NDF: 532991.9/55

- 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: -350.907+/-3570.141 χ^2/NDF:18.9/10

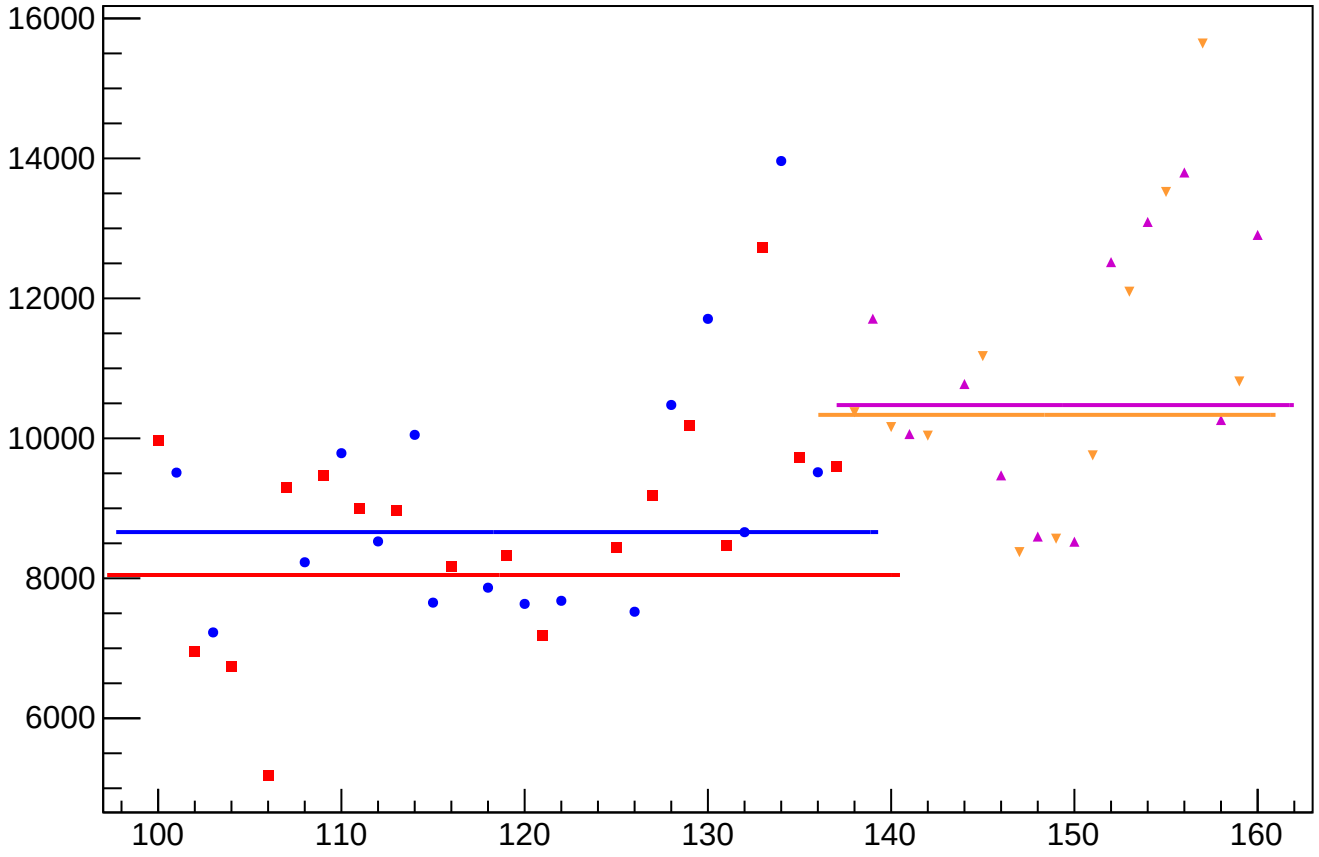
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -2987.392+/-3443.578 χ^2/NDF:5.4/10

+ sign -1398.568+/-2412.077 χ^2/NDF: 33.6/26

All: -1402.410+/-1655.790 χ^2/NDF: 55.0/55

- 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: 10335.515+/-2.524 χ^2/NDF:493431.5/10

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

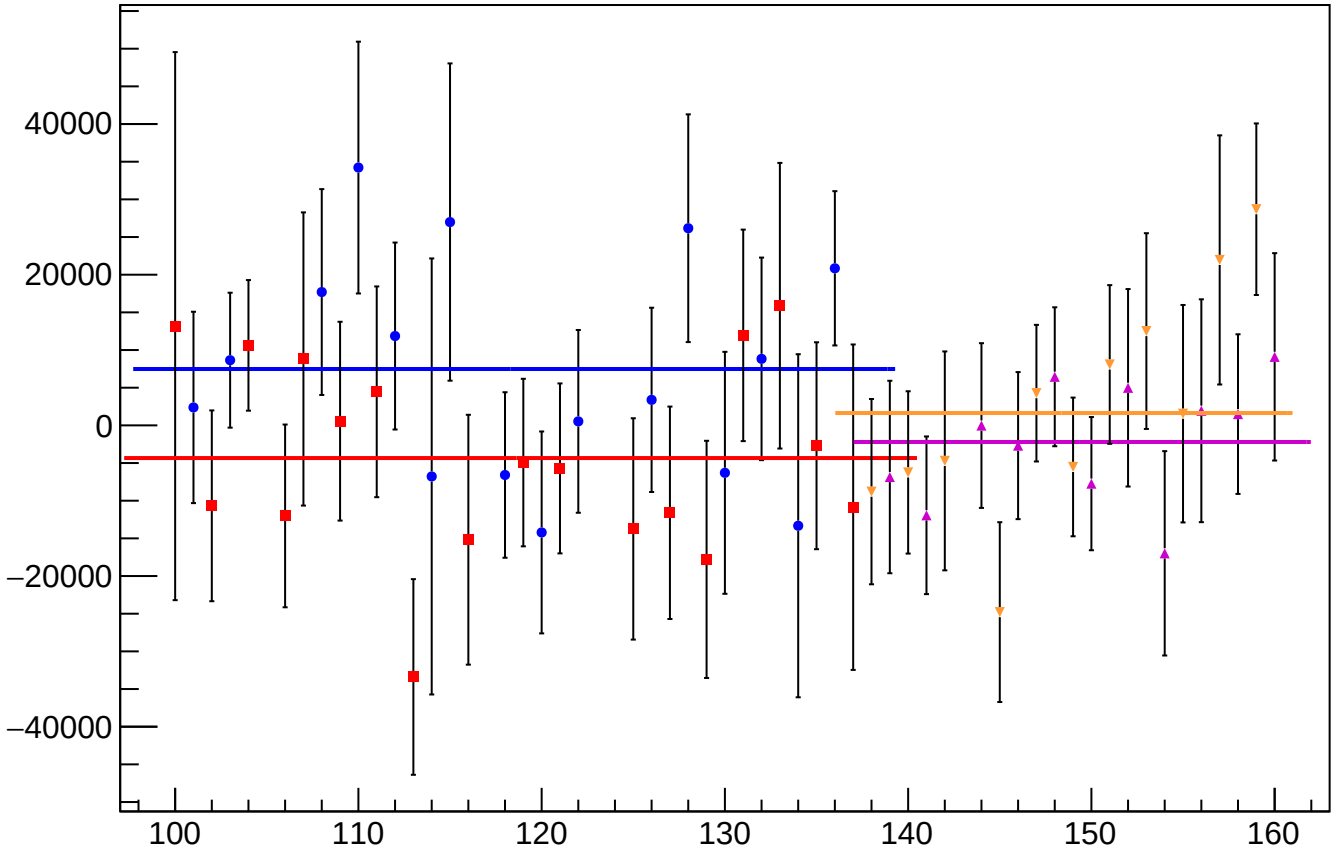
Left In: 10475.285+/-2.435 χ^2/NDF:486973.7/10

+ sign 9425.208+/-1.706 χ^2/NDF: 1090623.3/26

All: 9258.002+/-1.171 χ^2/NDF: 2713797.1/55

- 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: 1639.042+/-3490.980 χ^2/NDF:15.3/10

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

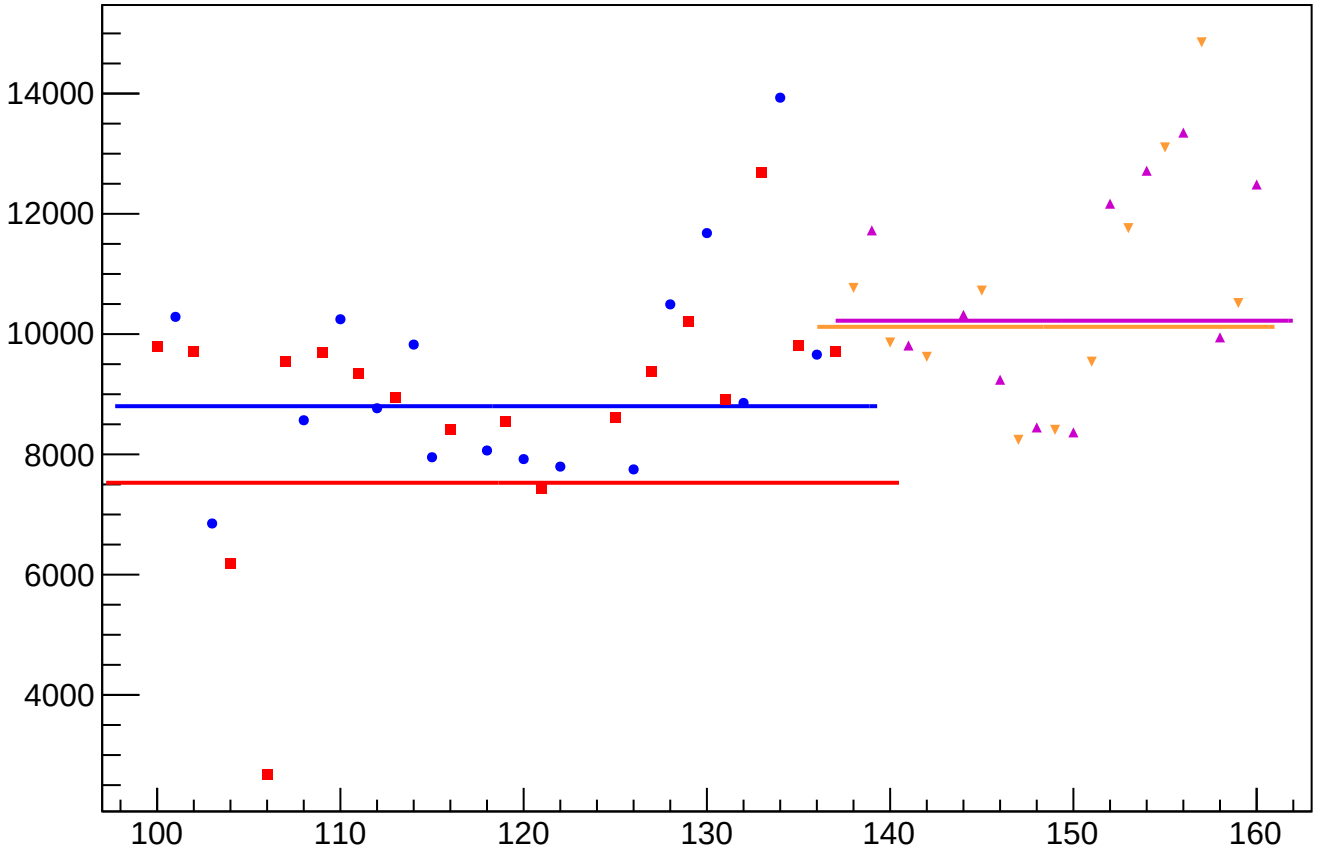
Left In: -2205.350+/-3357.924 χ^2/NDF:4.7/10

+ sign 4697.420+/-2409.913 χ^2/NDF: 30.8/26

All: 563.681+/-1676.055 χ^2/NDF: 55.7/55

- 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: 10120.690+/-2.468 χ^2/NDF:458815.4/10

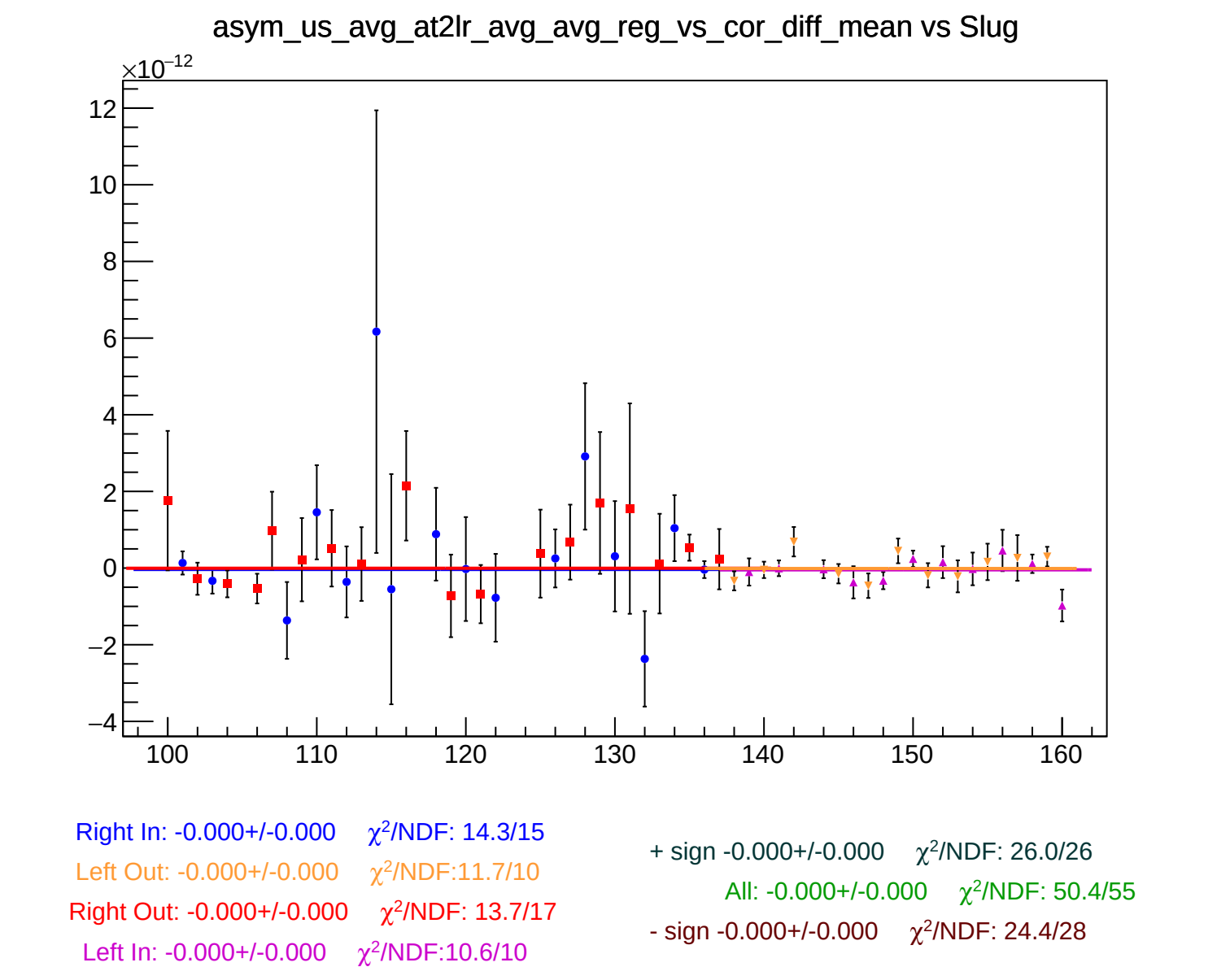
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

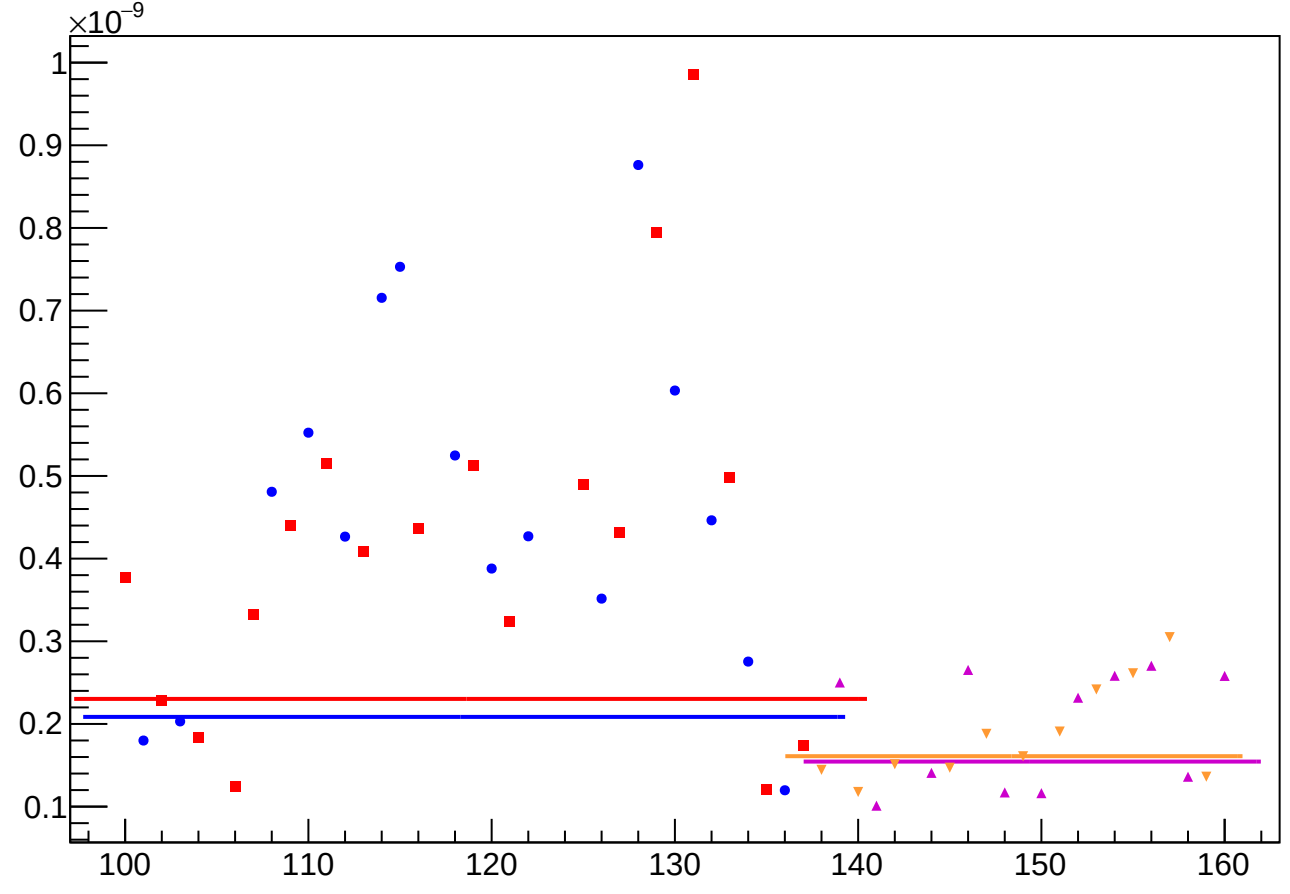
Left In: 10222.814+/-2.374 χ^2/NDF:470110.5/10

+ sign 9429.929+/-1.704 χ^2/NDF: 1002983.3/26

All: 9053.799+/-1.161 χ^2/NDF: 3935592.4/55

- sign 8728.457+/-1.585 χ^2/NDF: 2841747.2/28


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: -0.000+/-0.000 χ²/NDF:11.7/10
Right Out: -0.000+/-0.000 χ²/NDF: 13.7/17
Left In: -0.000+/-0.000 χ²/NDF:10.6/10
+ sign -0.000+/-0.000 χ²/NDF: 26.0/26
All: -0.000+/-0.000 χ²/NDF: 50.4/55
- sign -0.000+/-0.000 χ²/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:429315.3/10

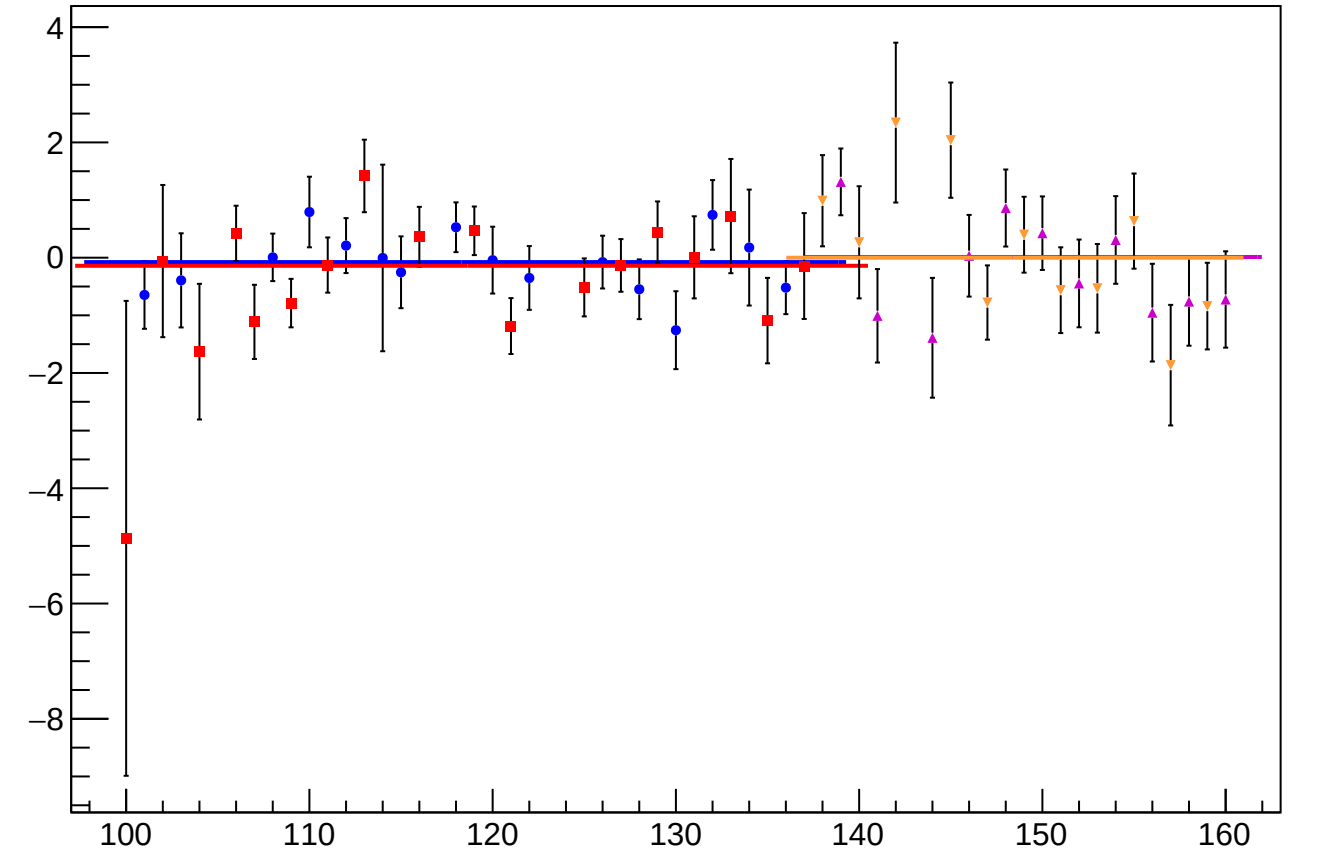
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:961007.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 2219799.8/26

All: 0.000+/-0.000 χ^2/NDF: 5104101.3/55

- 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: -0.001+/-0.246 χ^2/NDF:16.5/10

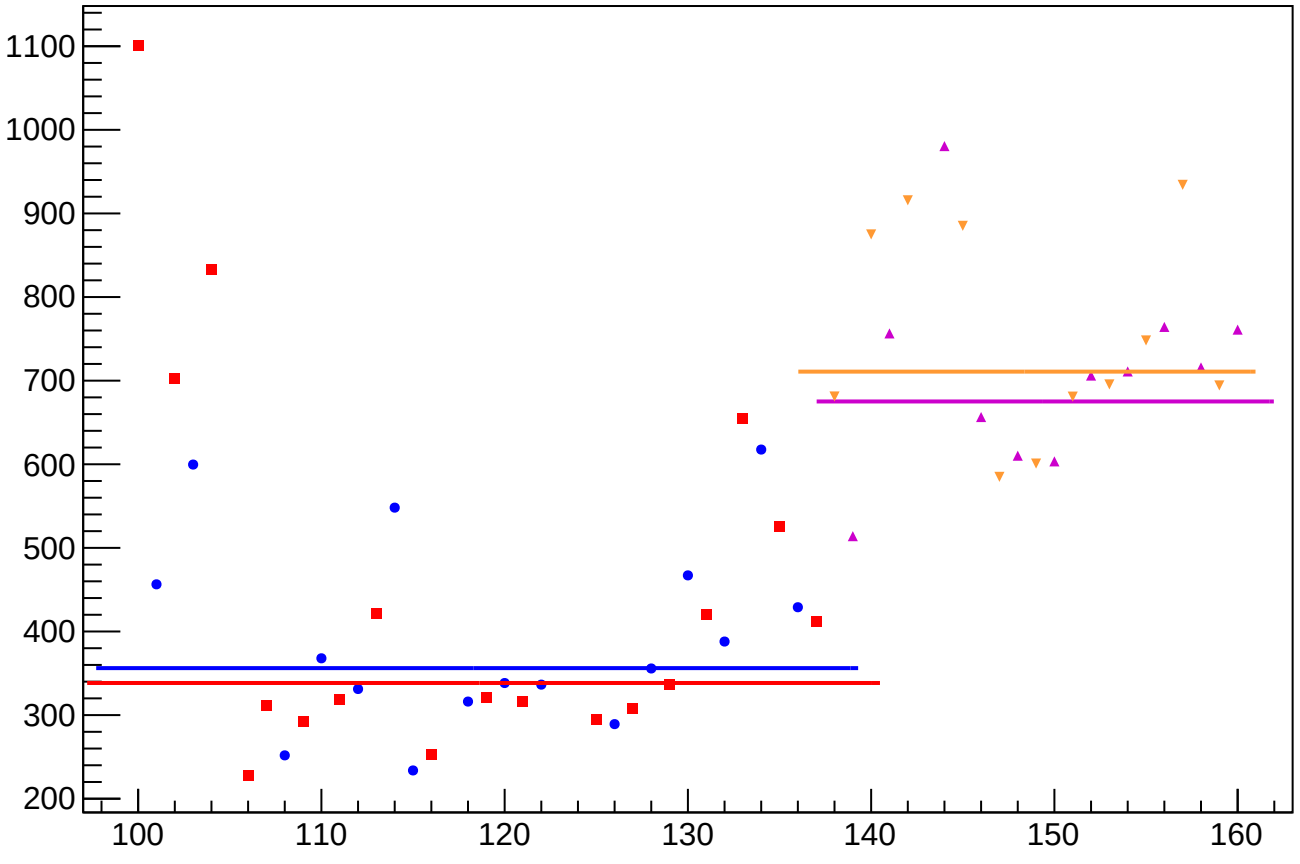
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.012+/-0.223 χ^2/NDF:14.1/10

+ sign -0.058+/-0.122 χ^2/NDF: 29.1/26

All: -0.079+/-0.084 χ^2/NDF: 70.6/55

- 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: 710.807+/-0.174 χ^2/NDF:396656.3/10

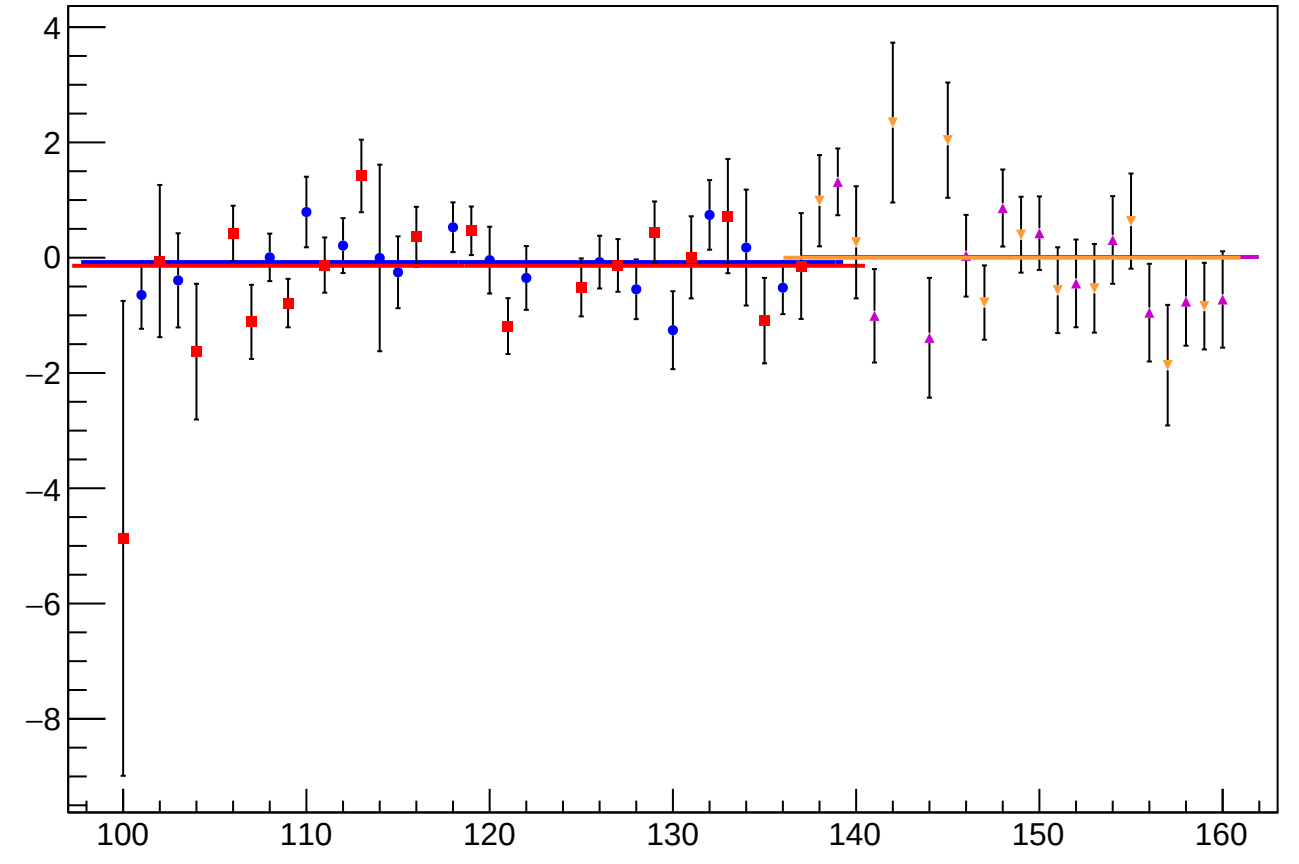
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 675.118+/-0.158 χ^2/NDF:449907.5/10

+ sign 442.922+/-0.086 χ^2/NDF: 4324671.9/26

All: 437.060+/-0.060 χ^2/NDF: 9283509.1/55

- 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: -0.001+/-0.246 χ^2/NDF:16.5/10

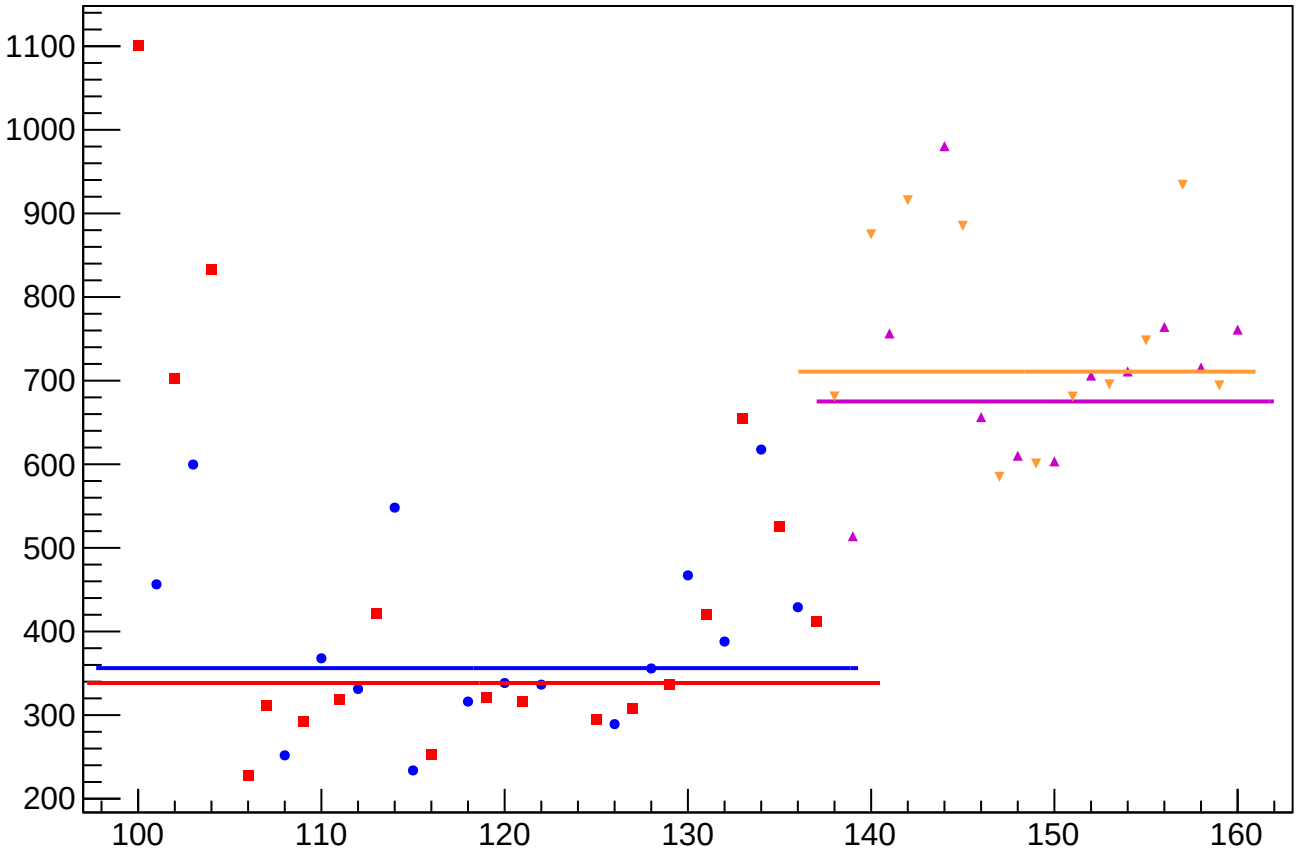
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.012+/-0.223 χ^2/NDF:14.1/10

+ sign -0.058+/-0.122 χ^2/NDF: 29.1/26

All: -0.079+/-0.084 χ^2/NDF: 70.6/55

- 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: 710.807+/-0.174 χ^2/NDF:396656.3/10

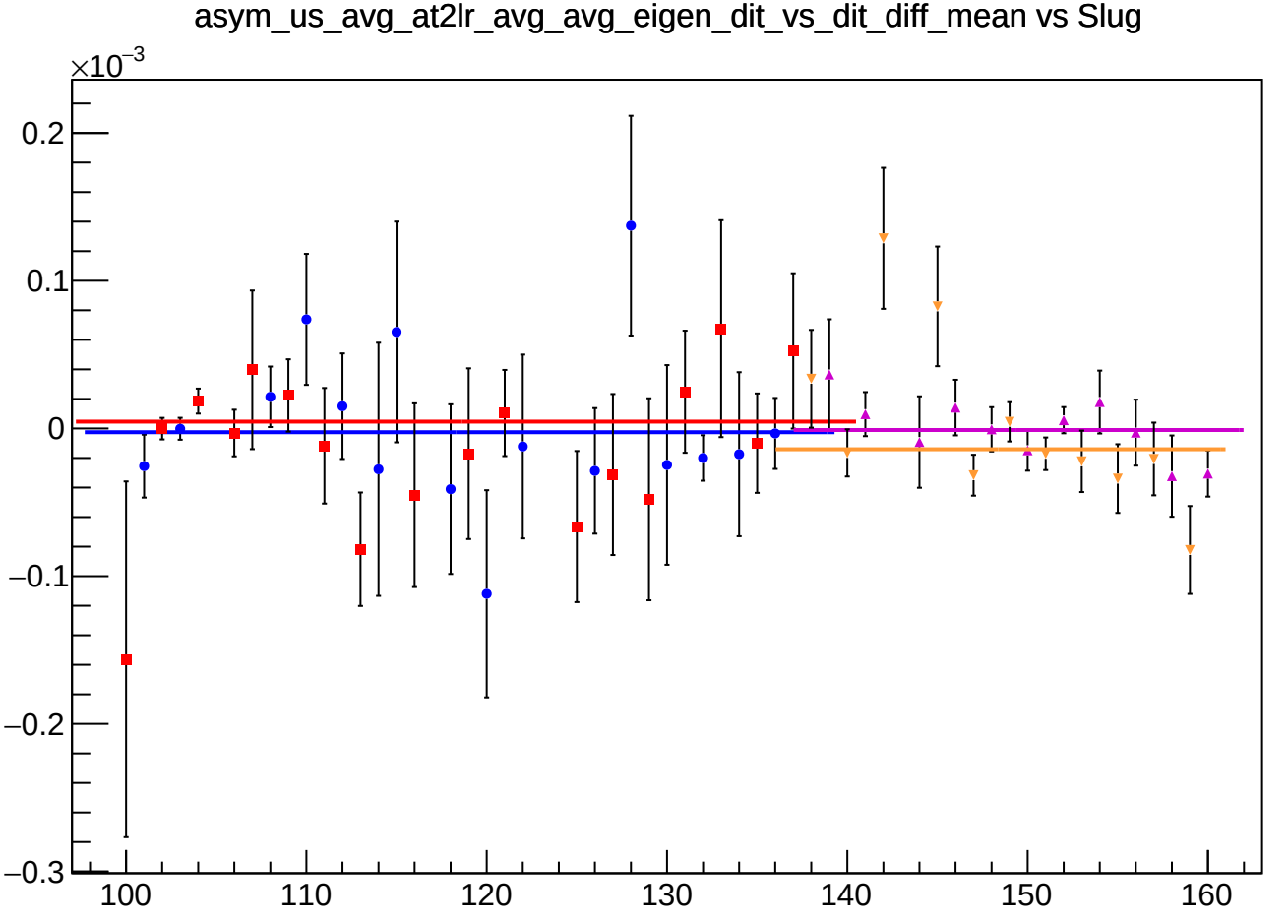
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 675.118+/-0.158 χ^2/NDF:449907.5/10

+ sign 442.922+/-0.086 χ^2/NDF: 4324671.9/26

All: 437.060+/-0.060 χ^2/NDF: 9283509.1/55

- 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:26.6/10

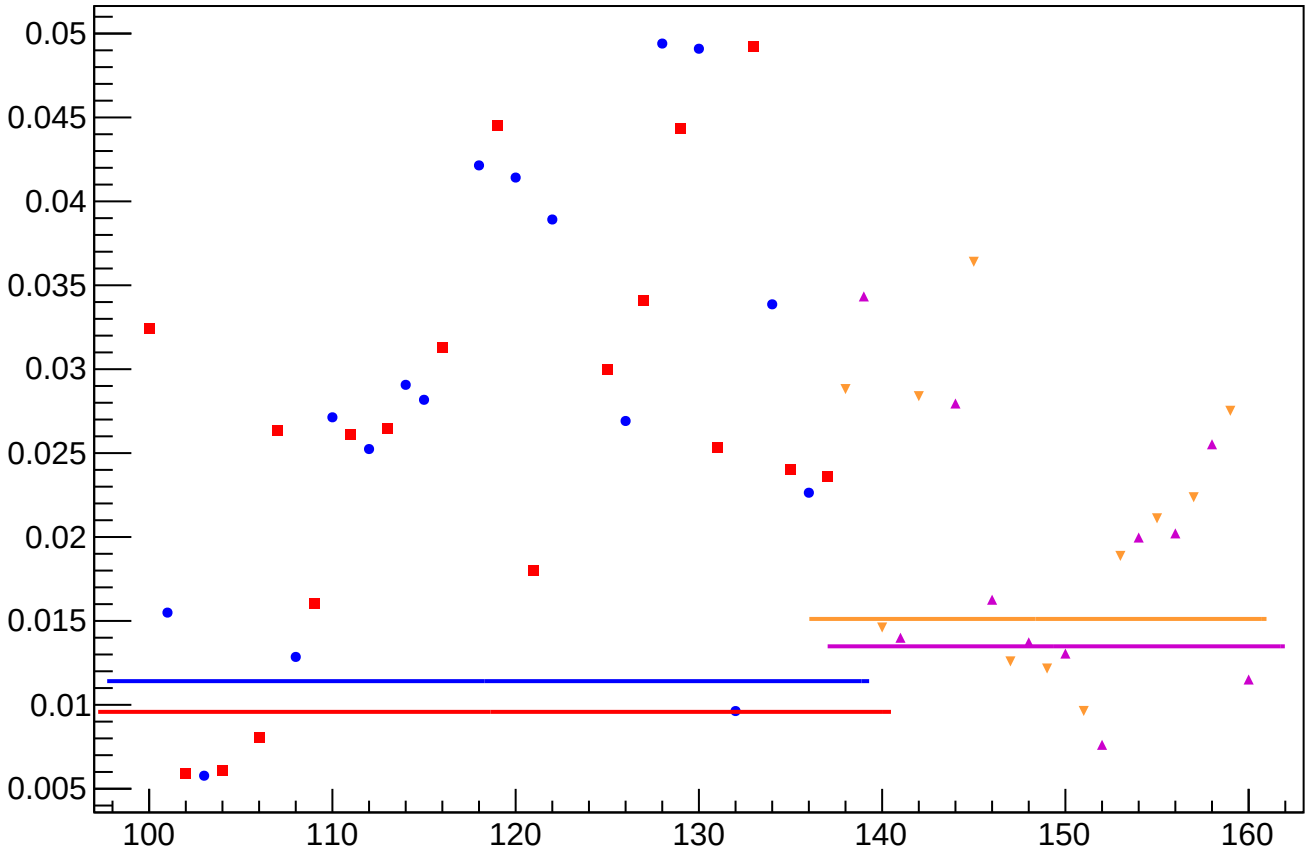
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:9.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/26

All: -0.000+/-0.000 χ^2/NDF: 74.8/55

- sign 0.000+/-0.000 χ^2/NDF: 27.2/28



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.015+/-0.000 χ^2/NDF:2431878.3/10

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

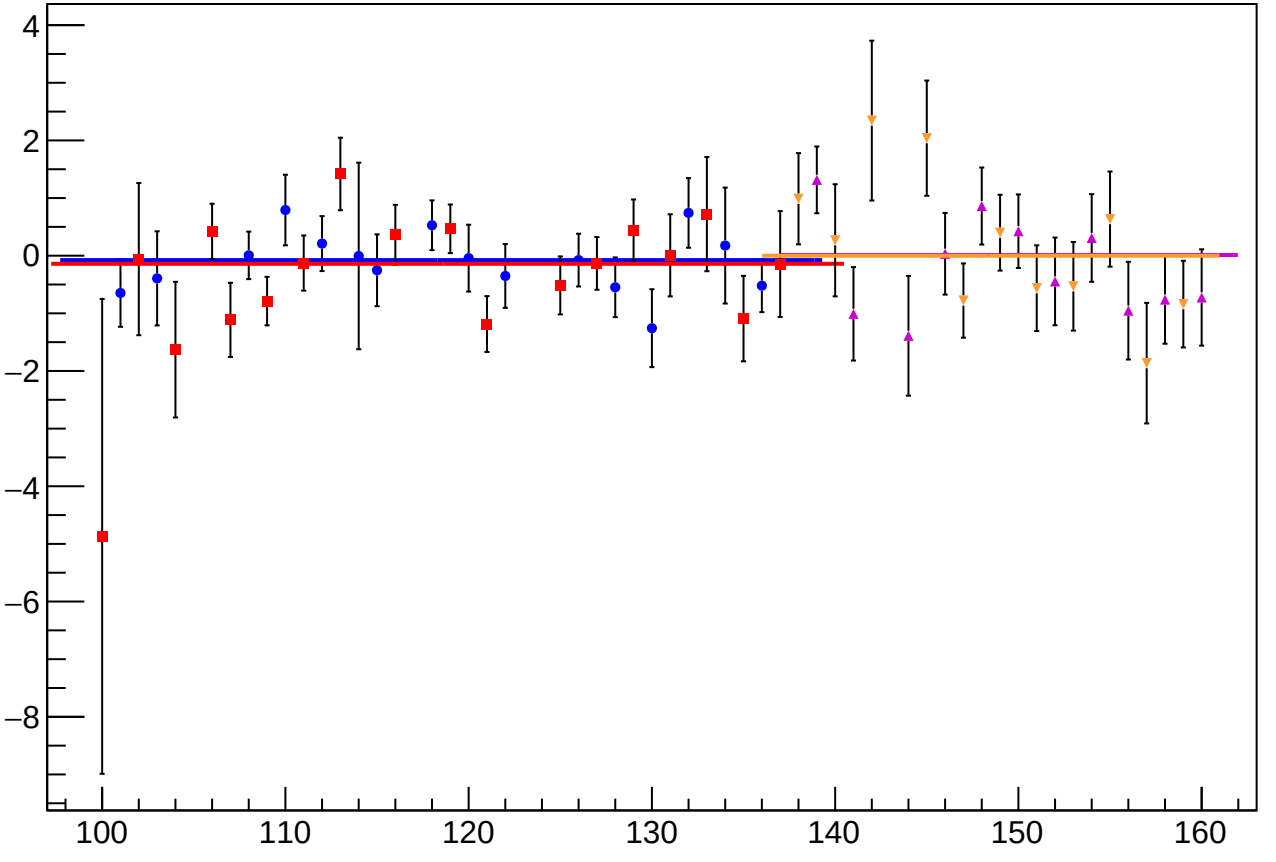
Left In: 0.013+/-0.000 χ^2/NDF:2765722.9/10

+ sign 0.013+/-0.000 χ^2/NDF: 8373781.2/26

All: 0.012+/-0.000 χ^2/NDF: 17820696.4/55

- sign 0.011+/-0.000 χ^2/NDF: 9207439.9/28

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.001+/-0.246 χ^2/NDF:16.5/10

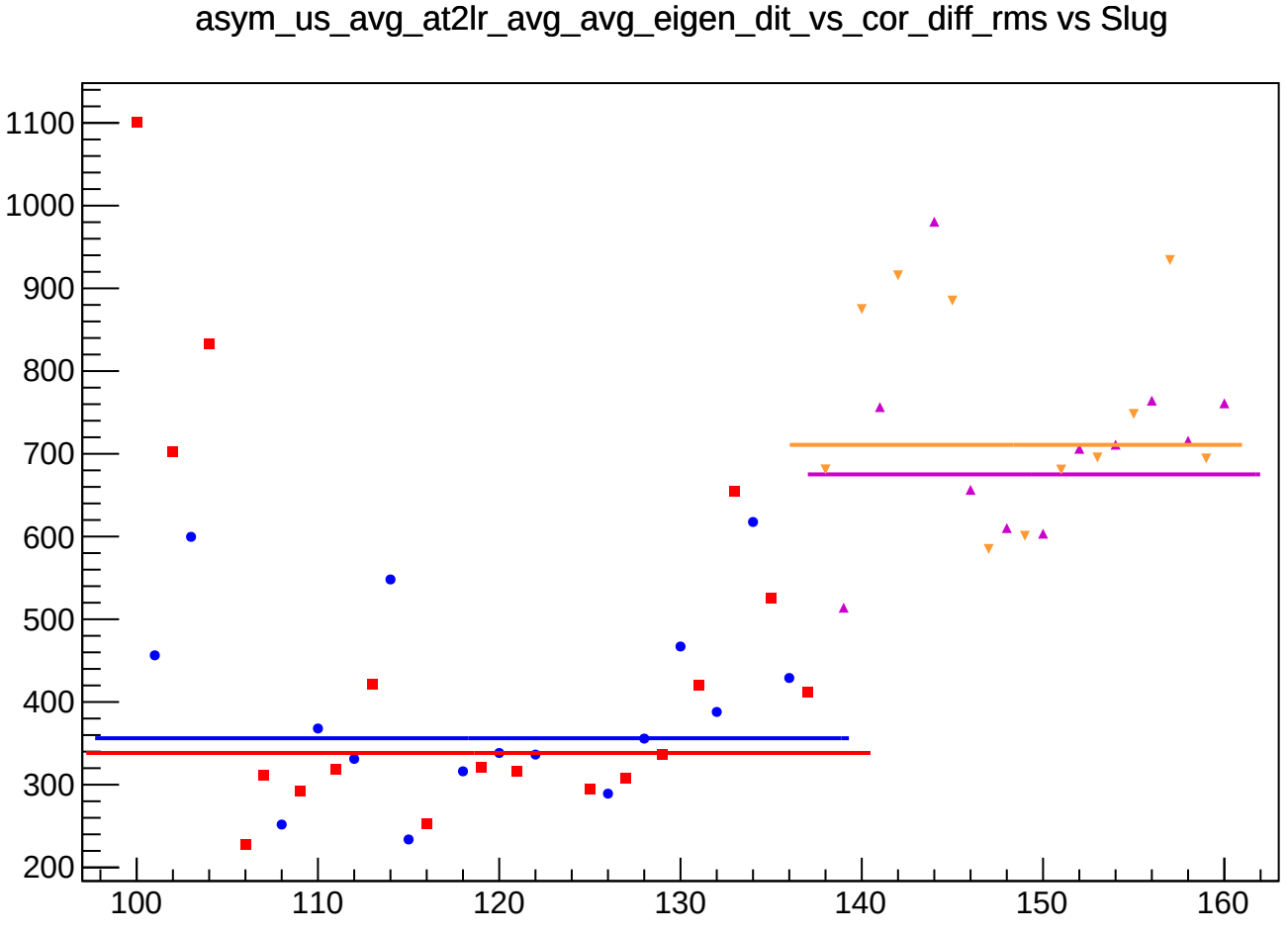
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.012+/-0.223 χ^2/NDF:14.1/10

+ sign -0.058+/-0.122 χ^2/NDF: 29.1/26

All: -0.079+/-0.084 χ^2/NDF: 70.6/55

- 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: 710.816+/-0.174 χ^2/NDF:396666.3/10

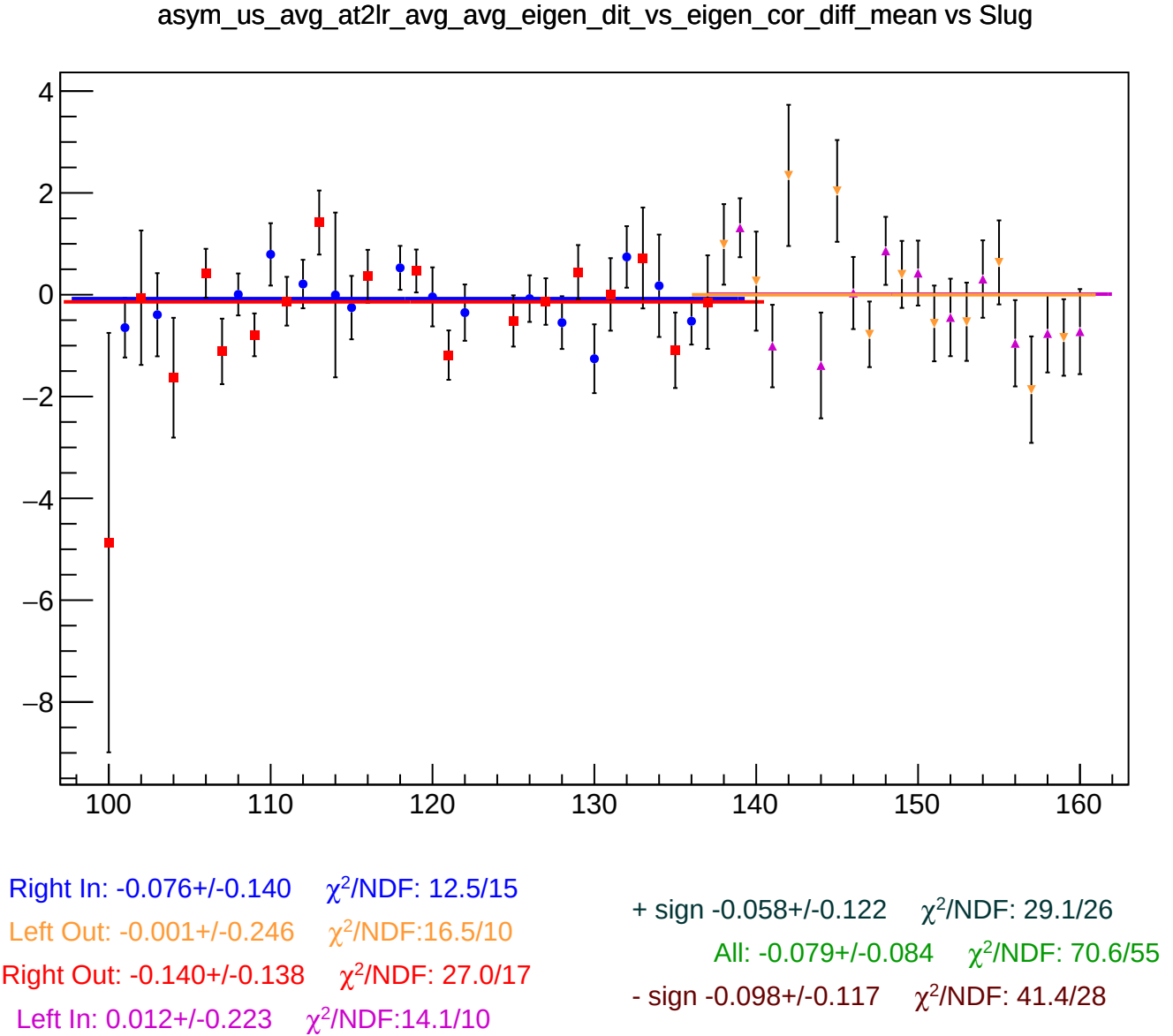
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

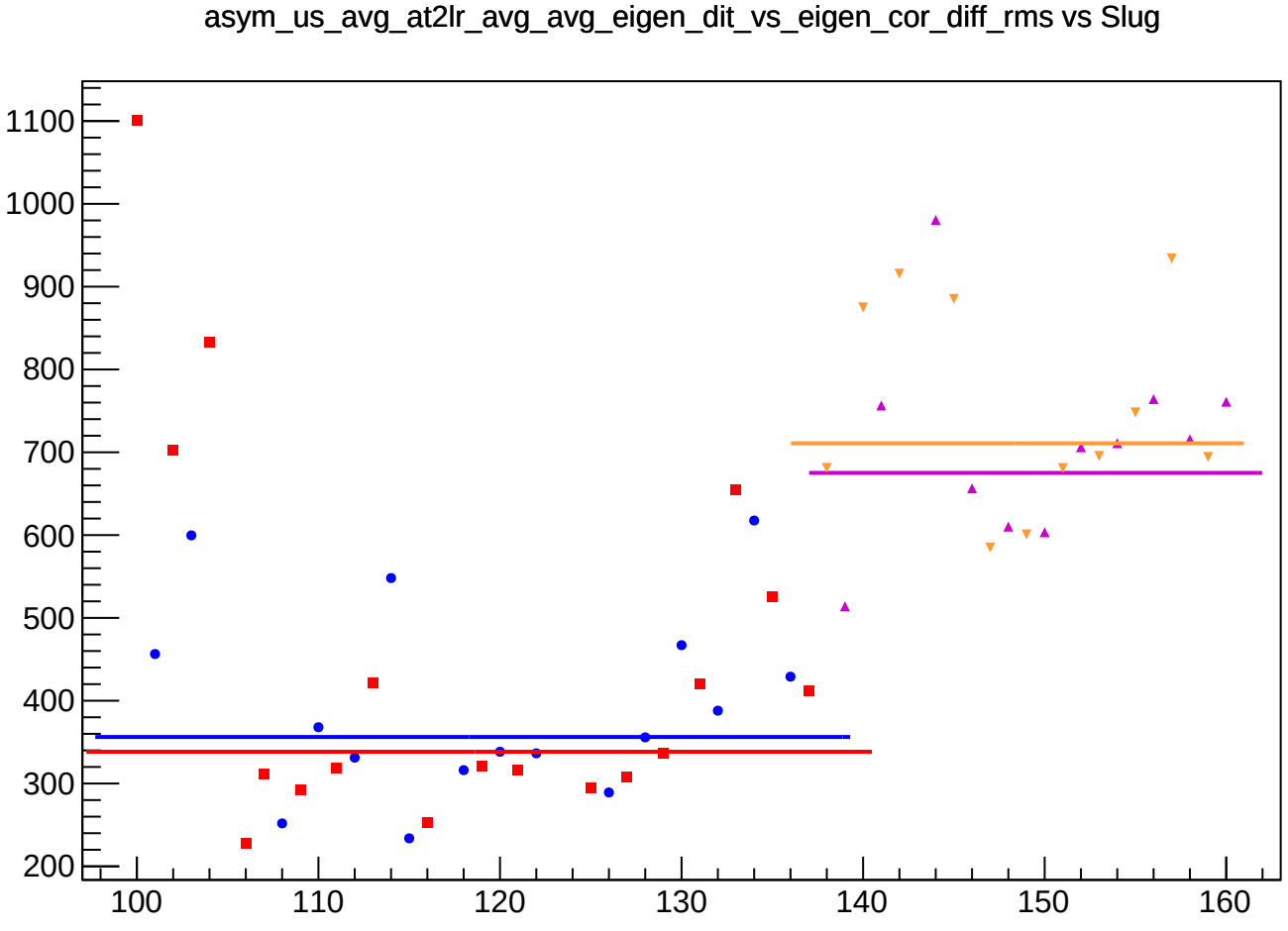
Left In: 675.128+/-0.158 χ^2/NDF:449897.8/10

+ sign 442.921+/-0.086 χ^2/NDF: 4324782.4/26

All: 437.058+/-0.060 χ^2/NDF: 9283771.5/55

- sign 431.599+/-0.083 χ^2/NDF: 4950010.0/28


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: -0.001+/-0.246 χ²/NDF:16.5/10
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.012+/-0.223 χ²/NDF:14.1/10
+ sign -0.058+/-0.122 χ²/NDF: 29.1/26
All: -0.079+/-0.084 χ²/NDF: 70.6/55
- sign -0.098+/-0.117 χ²/NDF: 41.4/28



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 710.816+/-0.174 χ^2/NDF:396666.3/10

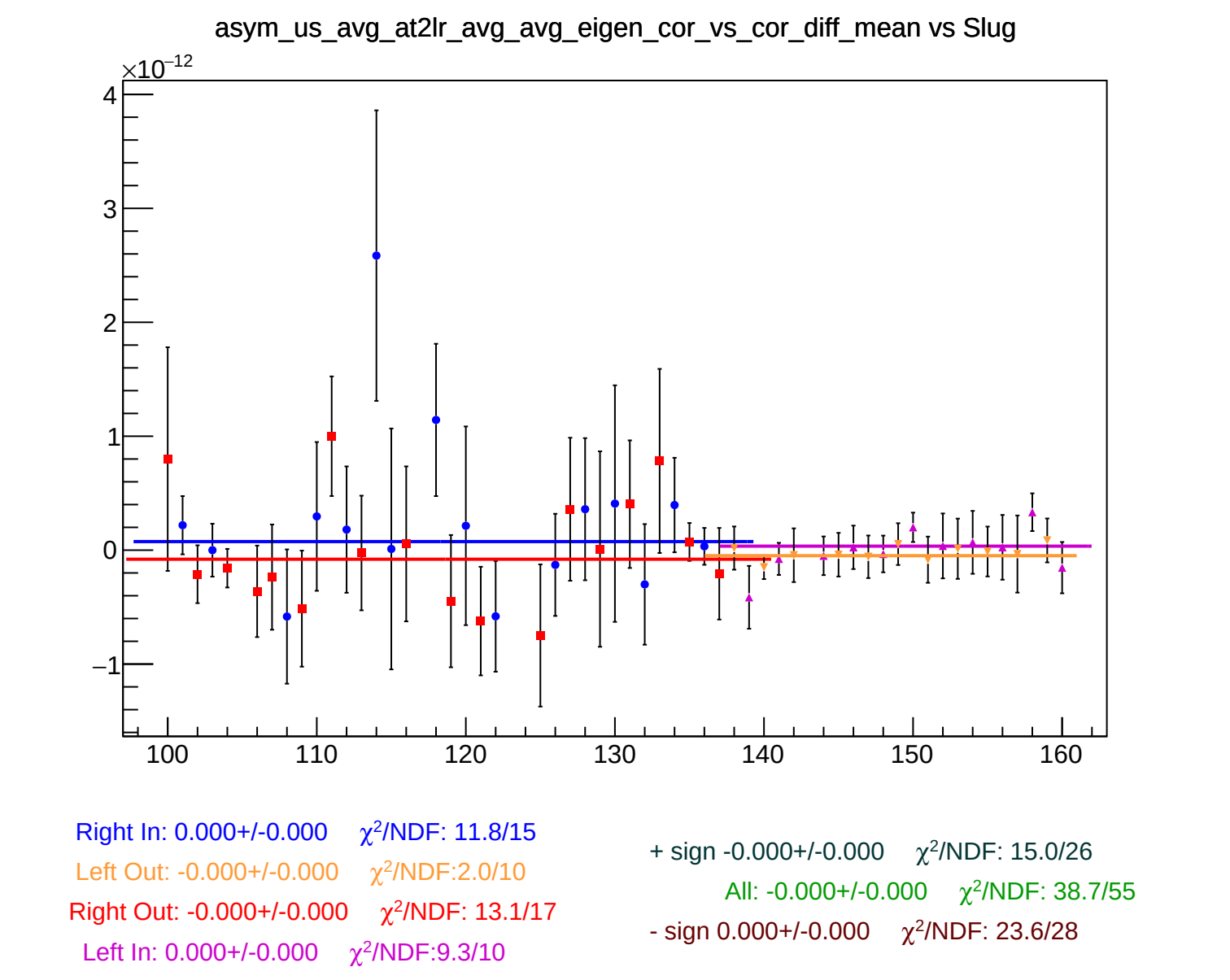
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

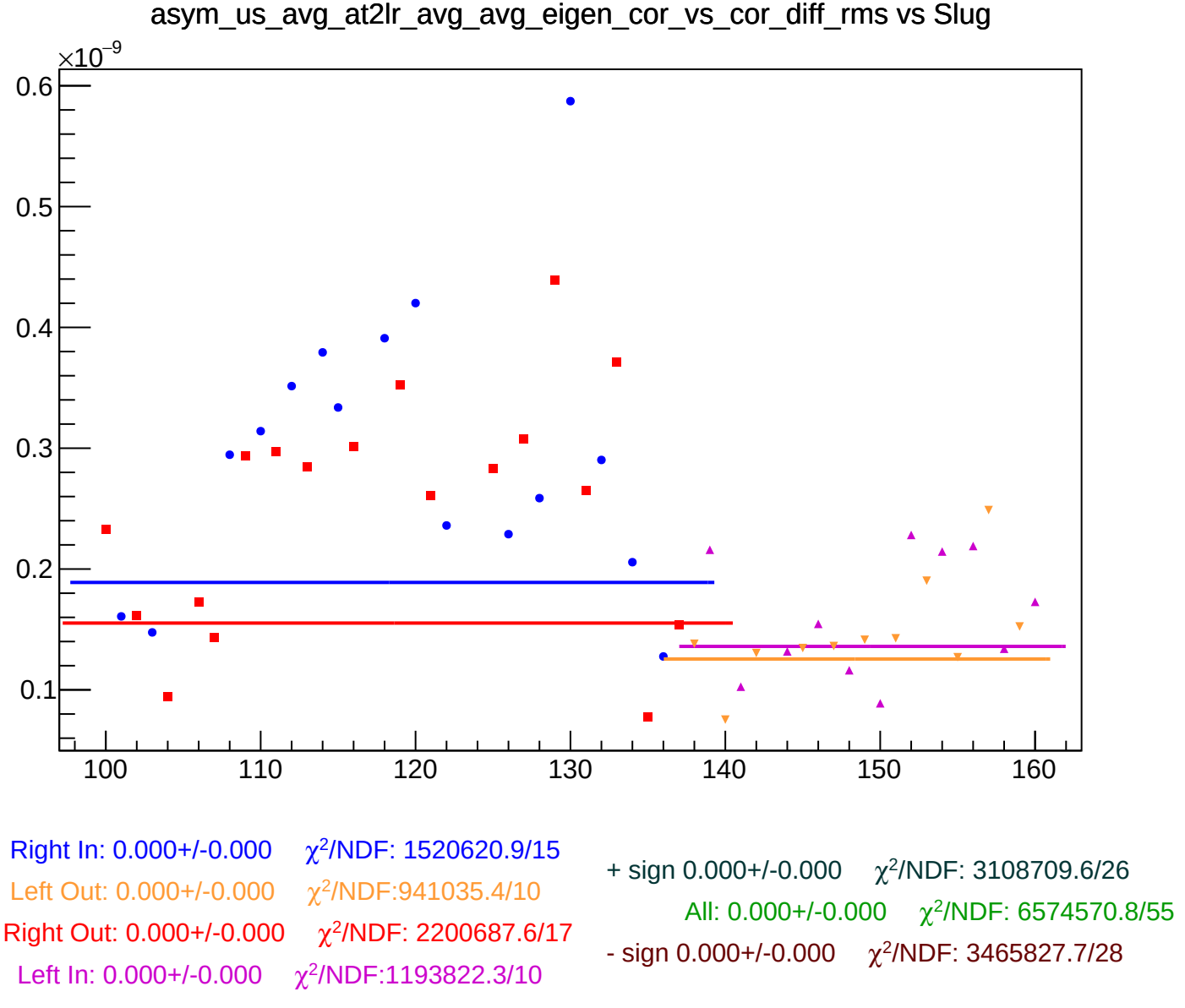
Left In: 675.128+/-0.158 χ^2/NDF:449897.8/10

+ sign 442.921+/-0.086 χ^2/NDF: 4324782.4/26

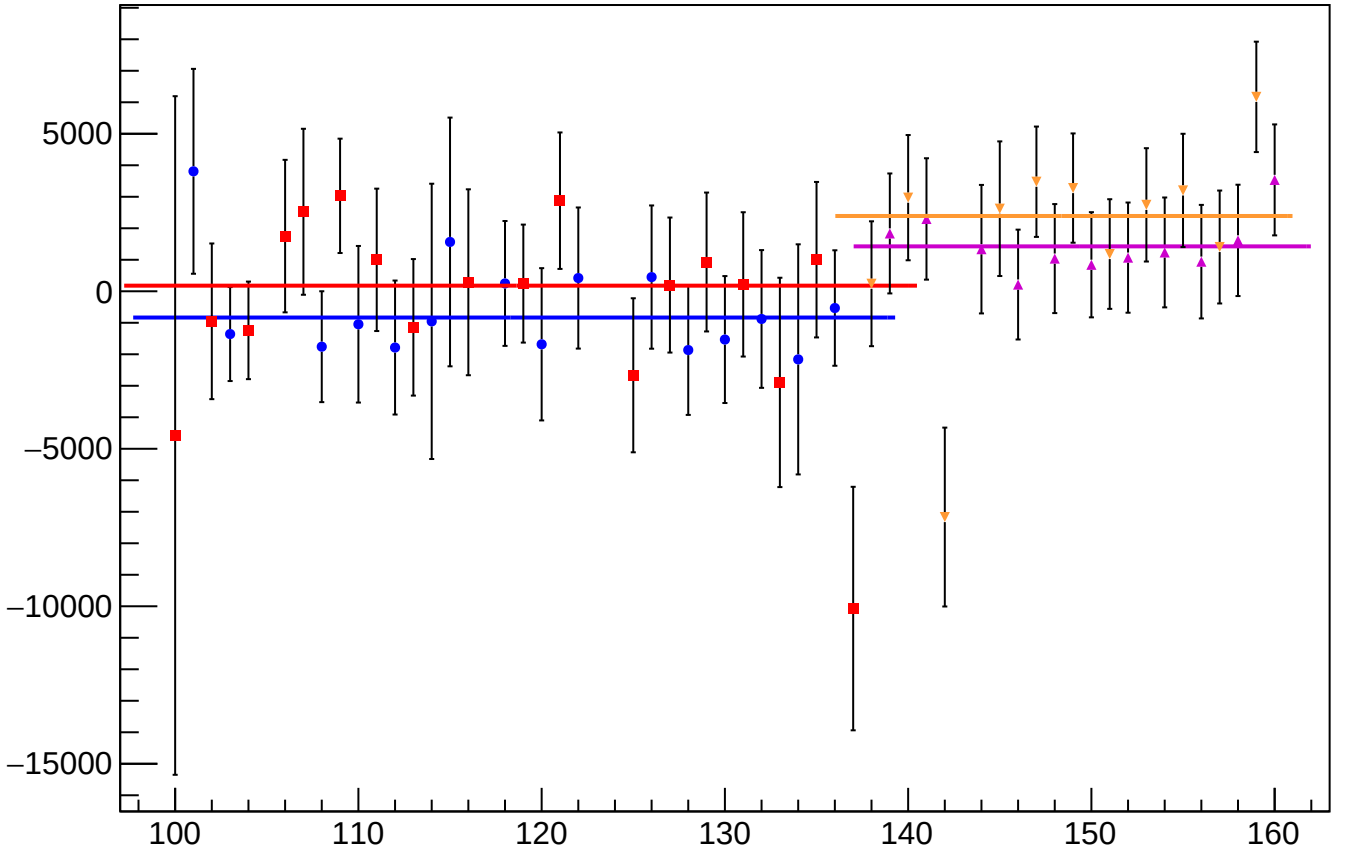
All: 437.058+/-0.060 χ^2/NDF: 9283771.5/55

- 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
×10^−12
4
3
2
1
0
−1
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:2.0/10
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:9.3/10
+ sign -0.000+/-0.000 χ²/NDF: 15.0/26
All: -0.000+/-0.000 χ²/NDF: 38.7/55
- sign 0.000+/-0.000 χ²/NDF: 23.6/28


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1520620.9/15
Left Out: 0.000+/-0.000 χ²/NDF:941035.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:1193822.3/10
+ sign 0.000+/-0.000 χ²/NDF: 3108709.6/26
All: 0.000+/-0.000 χ²/NDF: 6574570.8/55
- sign 0.000+/-0.000 χ²/NDF: 3465827.7/28

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 2389.964+/-568.498 χ^2/NDF:18.9/10

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

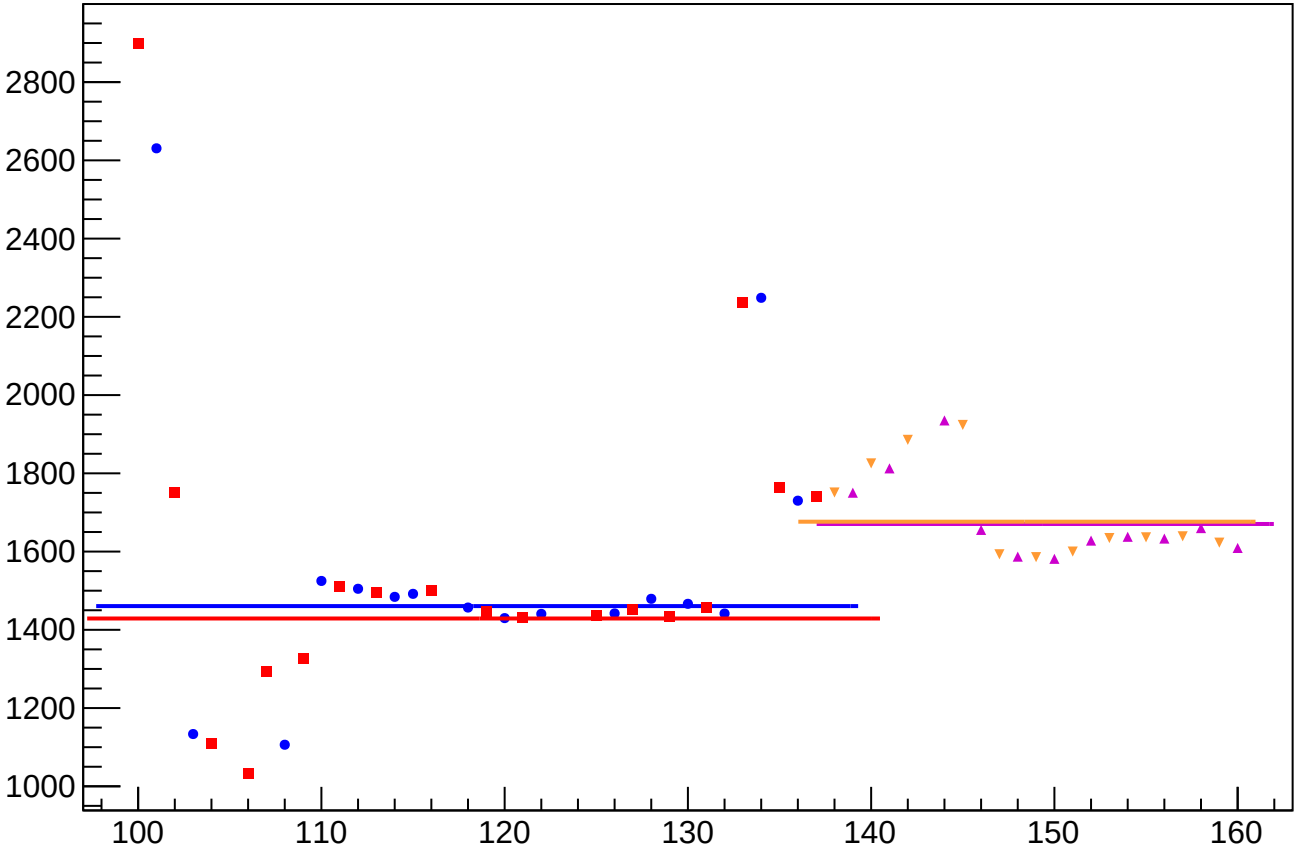
Left In: 1425.513+/-541.276 χ^2/NDF:2.5/10

\+ sign 739.035+/-397.069 χ^2/NDF: 40.0/26

All: 775.300+/-276.417 χ^2/NDF: 61.6/55

\- 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: 1676.375+/-0.402 χ^2/NDF:70349.8/10

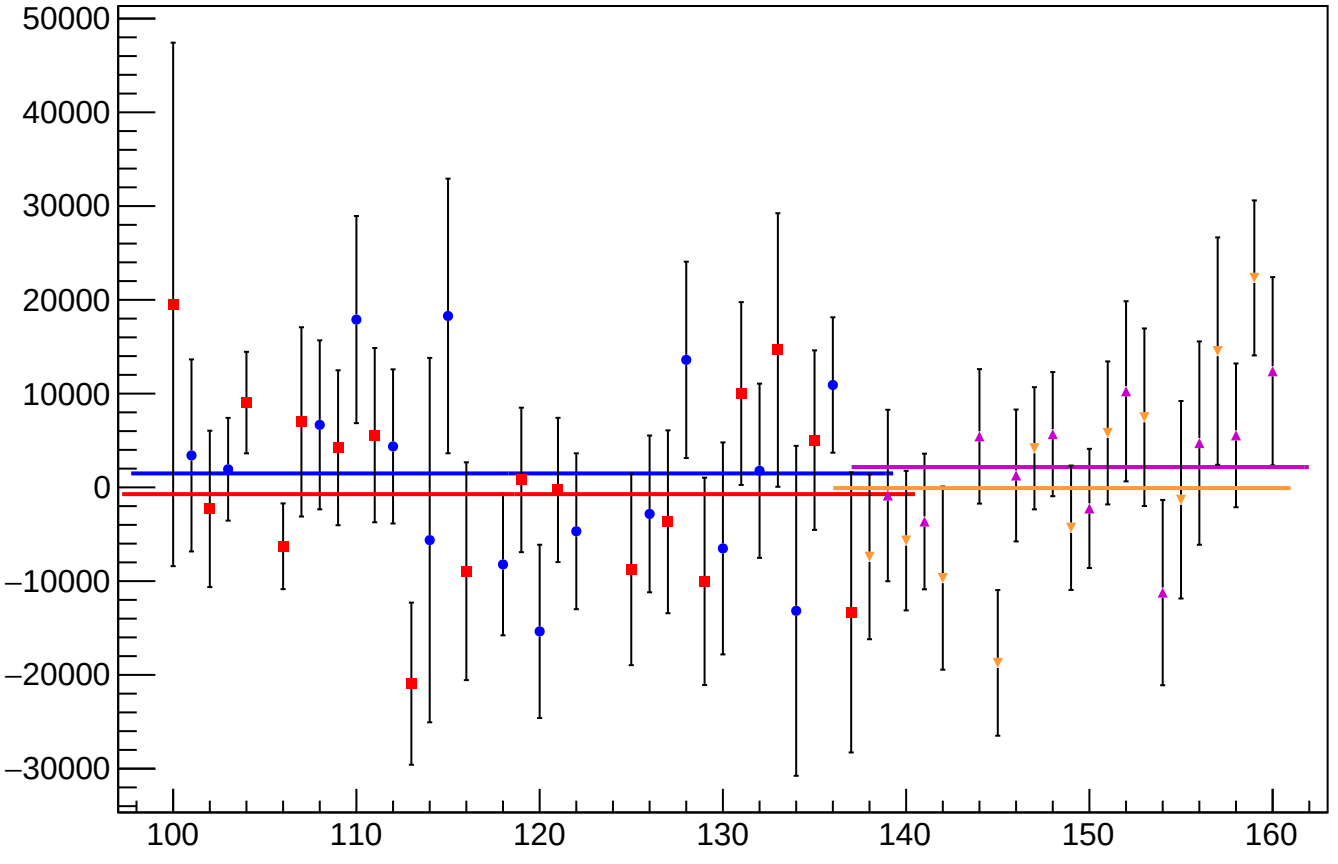
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1670.537+/-0.383 χ^2/NDF:63805.0/10

+ sign 1565.890+/-0.281 χ^2/NDF: 793576.9/26

All: 1557.825+/-0.195 χ^2/NDF: 1468558.6/55

- 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: -75.094+/-2476.255 χ^2/NDF:18.9/10

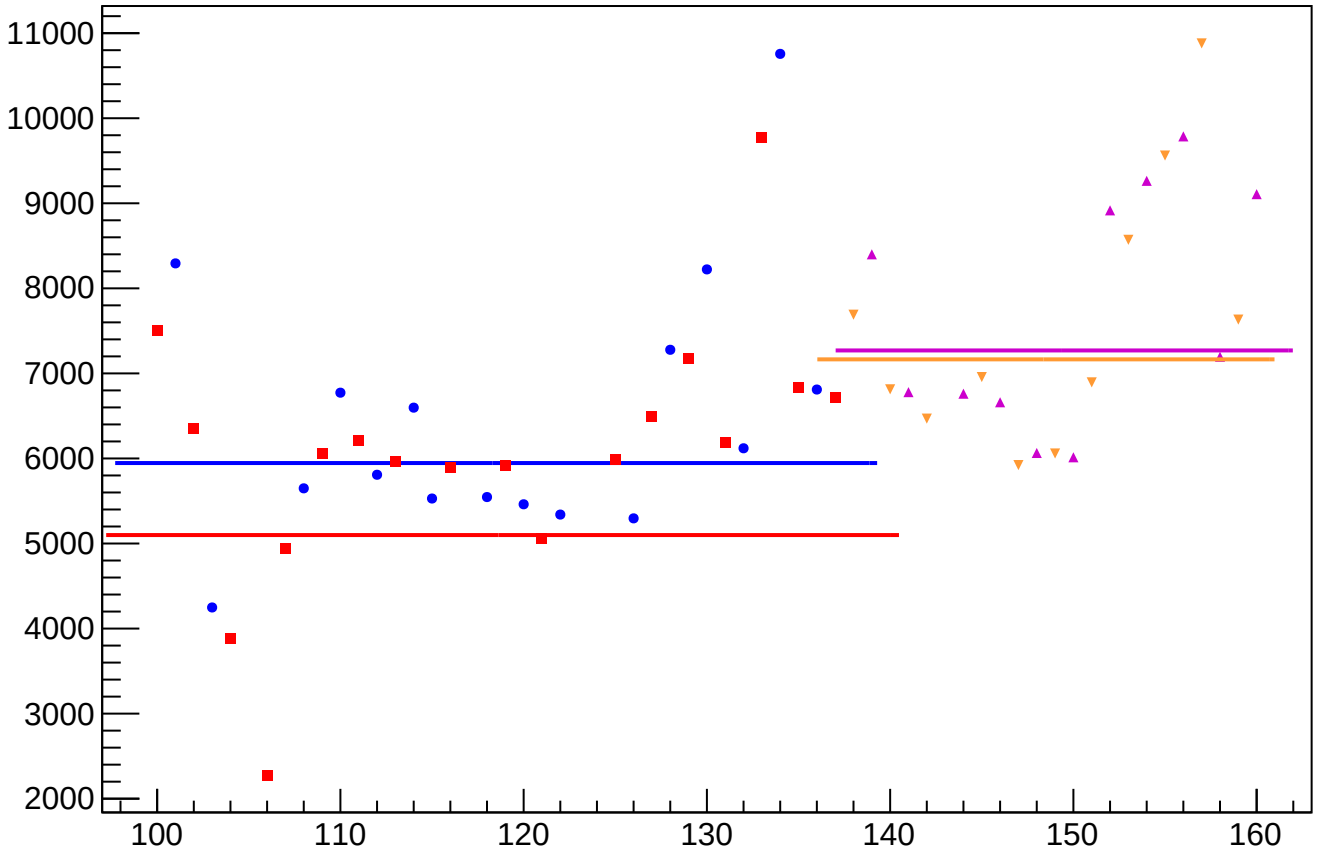
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 2167.953+/-2391.817 χ^2/NDF:5.6/10

+ sign 774.620+/-1672.516 χ^2/NDF: 33.3/26

All: 613.144+/-1132.696 χ^2/NDF: 57.2/55

- 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: 7165.081+/-1.751 χ^2/NDF:495789.4/10

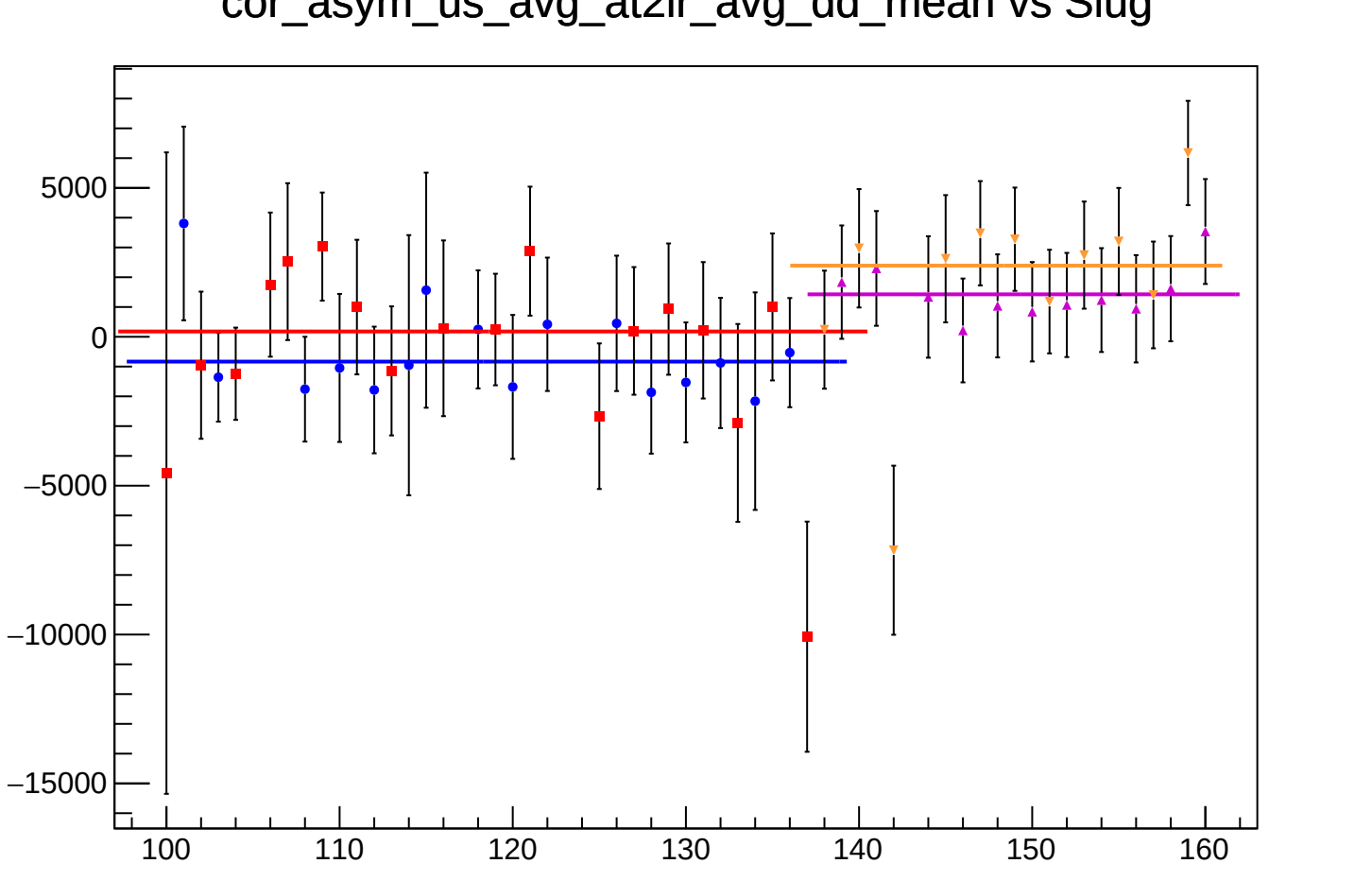
Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7269.974+/-1.691 χ^2/NDF:524365.1/10

+ sign 6502.181+/-1.183 χ^2/NDF: 1400488.2/26

All: 6229.580+/-0.801 χ^2/NDF: 4468130.7/55

- 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: 2389.986+/-568.498 χ^2/NDF:18.9/10

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

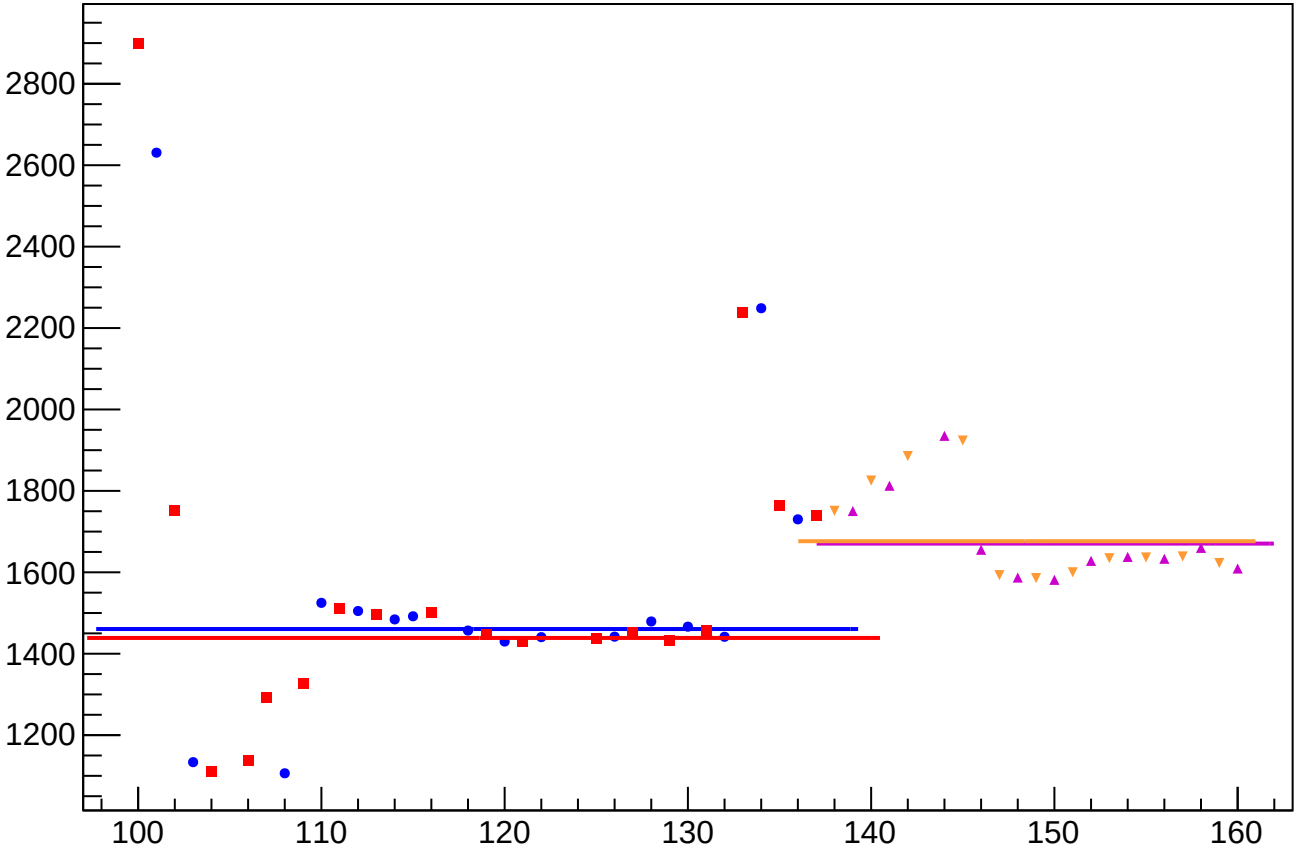
Left In: 1425.542+/-541.276 χ^2/NDF:2.5/10

+ sign 739.014+/-397.069 χ^2/NDF: 40.0/26

All: 775.257+/-276.417 χ^2/NDF: 61.6/55

- 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: 1676.375+/-0.402 χ^2/NDF:70349.8/10

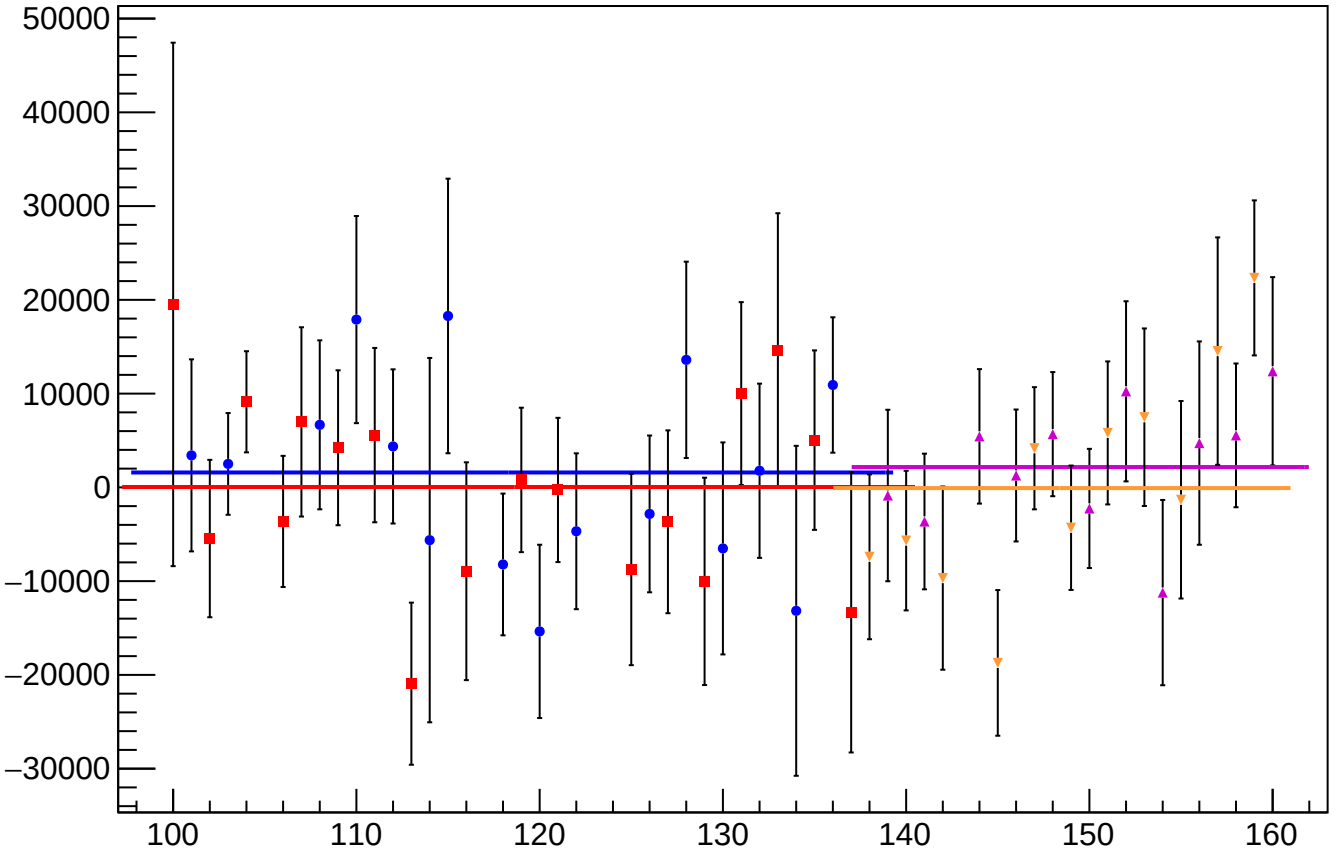
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1670.537+/-0.383 χ^2/NDF:63805.0/10

+ sign 1565.890+/-0.281 χ^2/NDF: 793577.3/26

All: 1560.673+/-0.195 χ^2/NDF: 1412994.9/55

- 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: -75.091+/-2476.253 χ^2/NDF:18.9/10

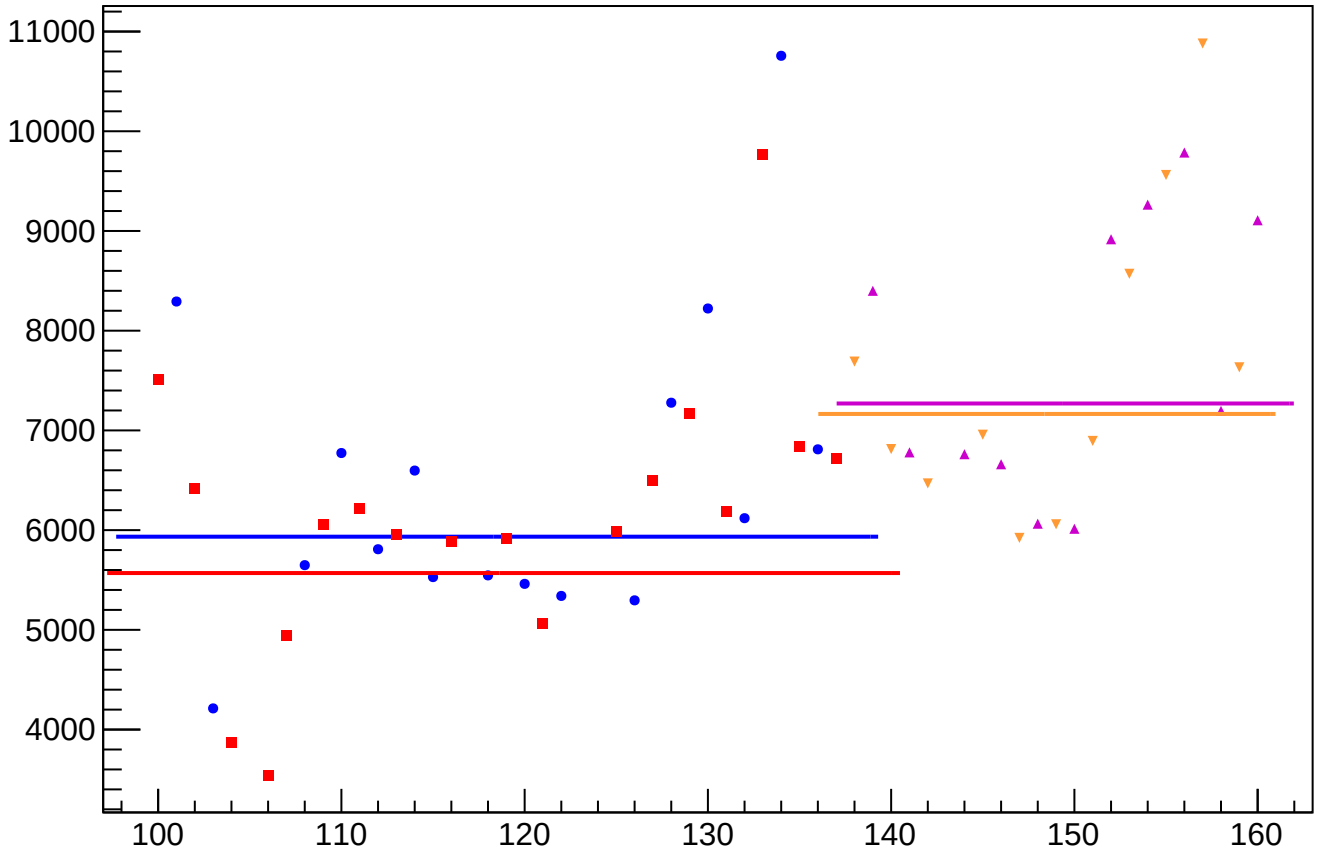
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 2168.025+/-2391.815 χ^2/NDF:5.6/10

+ sign 831.035+/-1671.003 χ^2/NDF: 33.3/26

All: 910.732+/-1152.610 χ^2/NDF: 55.8/55

- 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: 7165.077+/-1.751 χ^2/NDF:495788.5/10

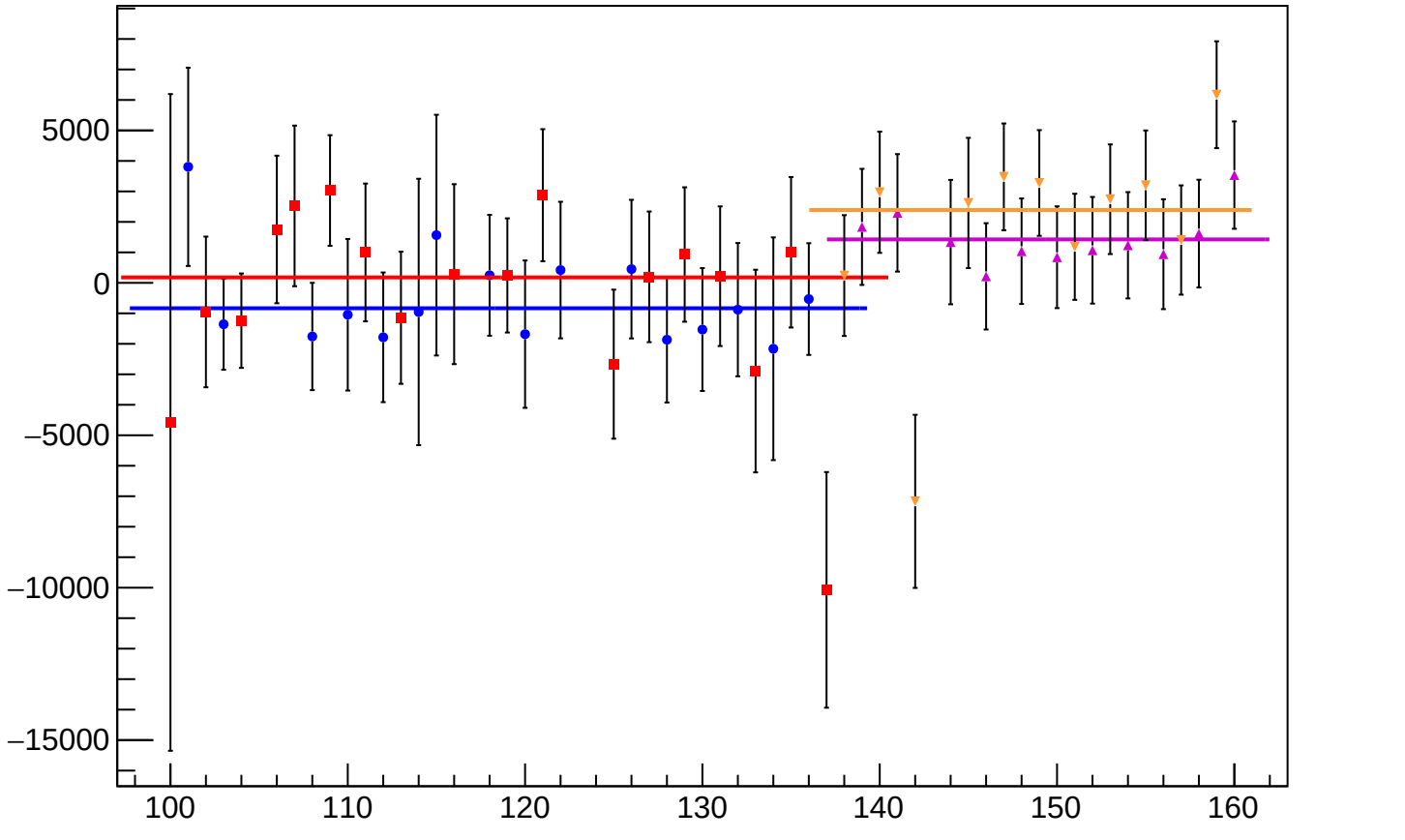
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

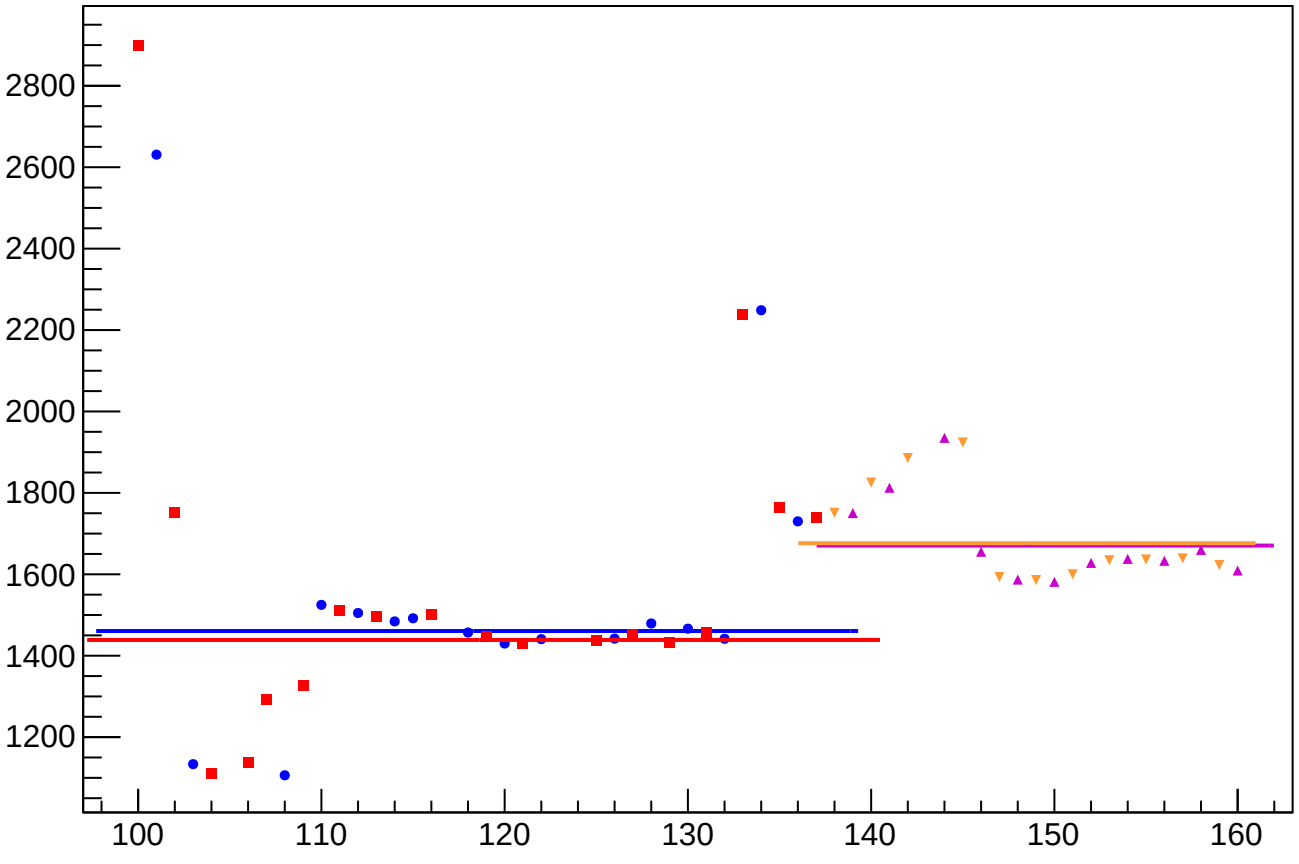
Left In: 7269.969+/-1.691 χ^2/NDF:524367.6/10

+ sign 6494.709+/-1.182 χ^2/NDF: 1418002.7/26

All: 6404.623+/-0.815 χ^2/NDF: 3240517.4/55

- sign 6322.861+/-1.126 χ^2/NDF: 1811426.1/28


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 2389.986+/-568.498 χ²/NDF:18.9/10
Right Out: 178.133+/-547.824 χ²/NDF: 16.5/17
Left In: 1425.542+/-541.276 χ²/NDF:2.5/10
+ sign 739.014+/-397.069 χ²/NDF: 40.0/26
All: 775.257+/-276.417 χ²/NDF: 61.6/55
- sign 809.336+/-385.034 χ²/NDF: 21.6/28



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1676.375+/-0.402 χ^2/NDF:70349.8/10

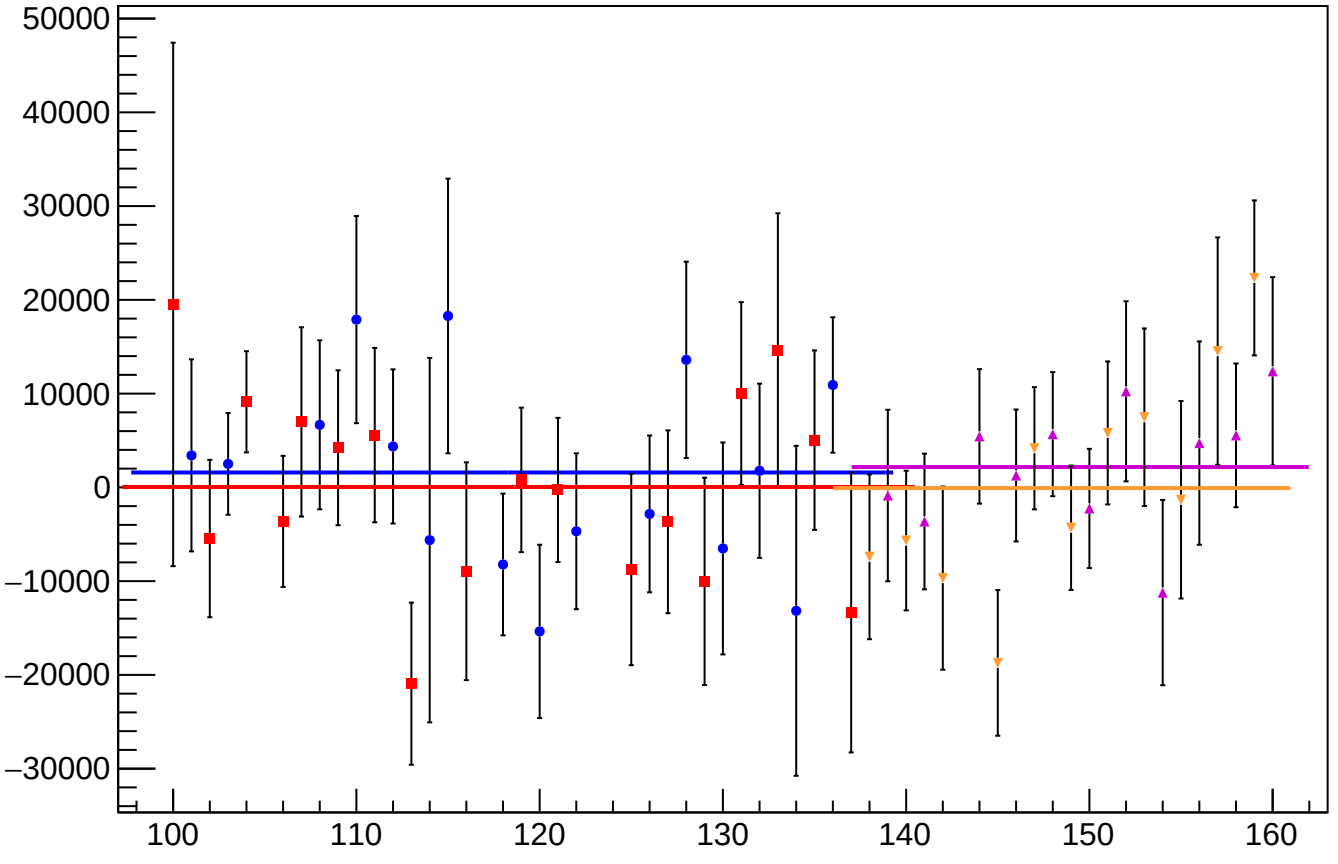
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1670.537+/-0.383 χ^2/NDF:63805.0/10

+ sign 1565.890+/-0.281 χ^2/NDF: 793577.3/26

All: 1560.673+/-0.195 χ^2/NDF: 1412994.9/55

- 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: -75.091+/-2476.253 χ^2/NDF:18.9/10

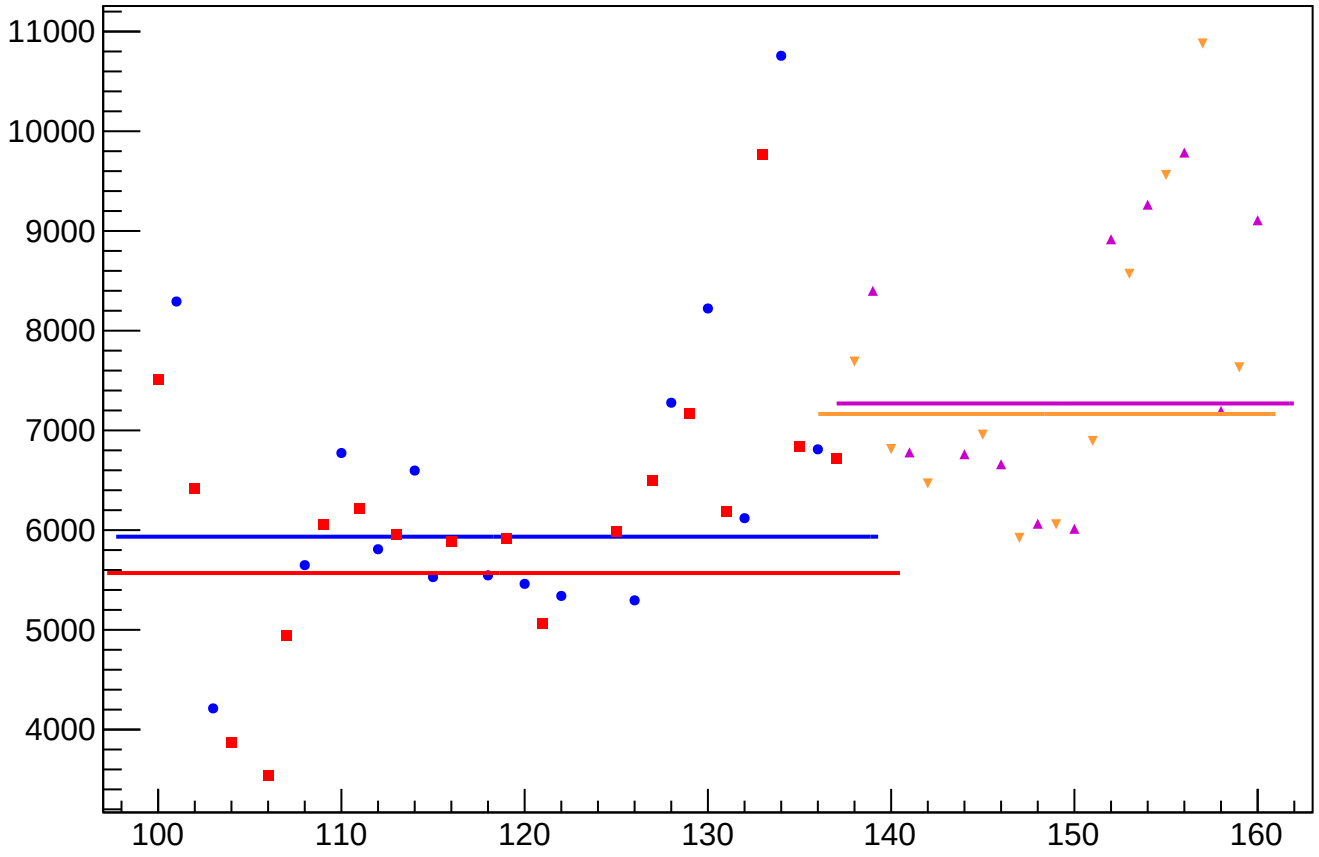
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 2168.025+/-2391.815 χ^2/NDF:5.6/10

+ sign 831.035+/-1671.003 χ^2/NDF: 33.3/26

All: 910.732+/-1152.610 χ^2/NDF: 55.8/55

- 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: 7165.077+/-1.751 χ^2/NDF:495788.5/10

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

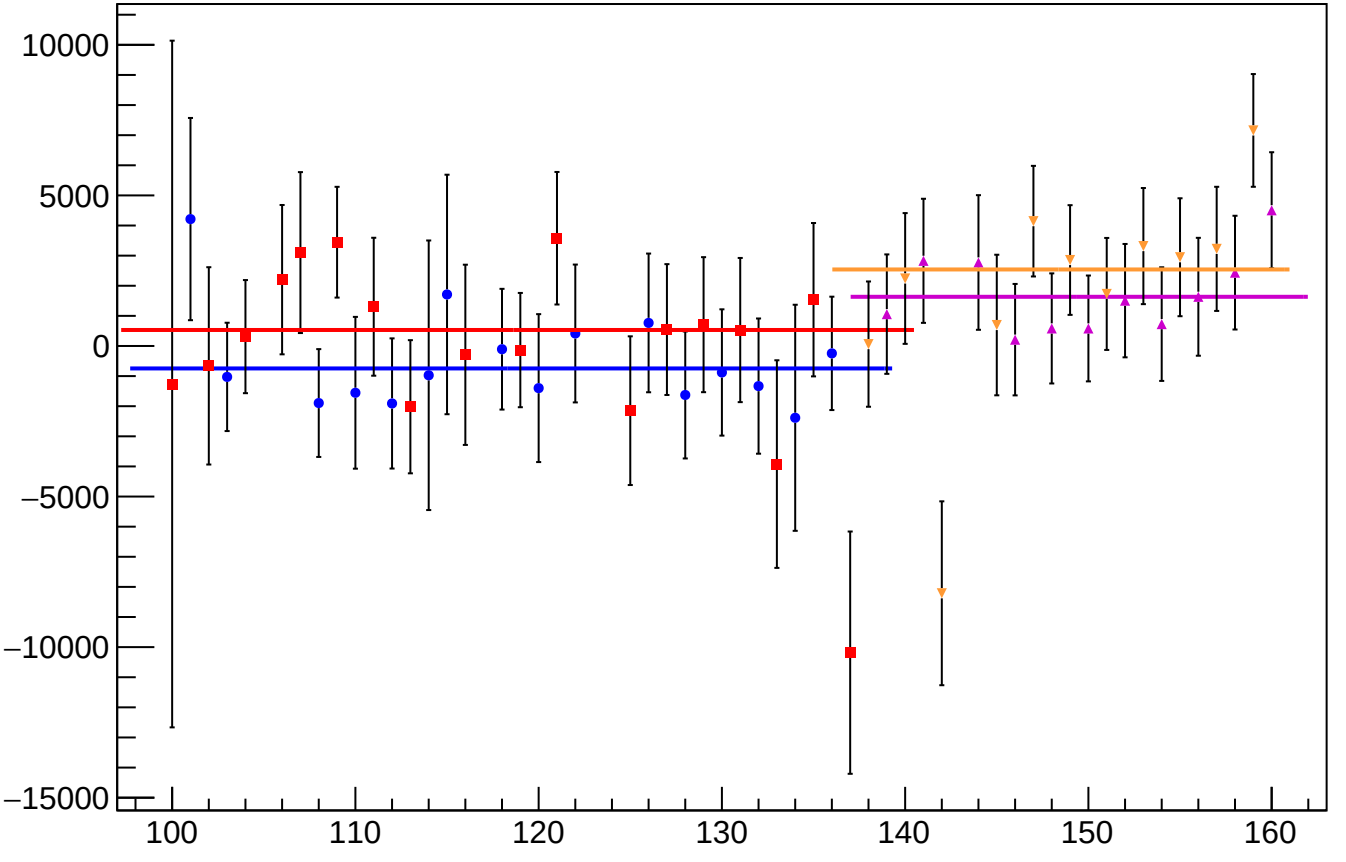
Left In: 7269.969+/-1.691 χ^2/NDF:524367.6/10

+ sign 6494.709+/-1.182 χ^2/NDF: 1418002.7/26

All: 6404.623+/-0.815 χ^2/NDF: 3240517.4/55

- 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: 2540.932+/-611.782 χ^2/NDF:21.9/10

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

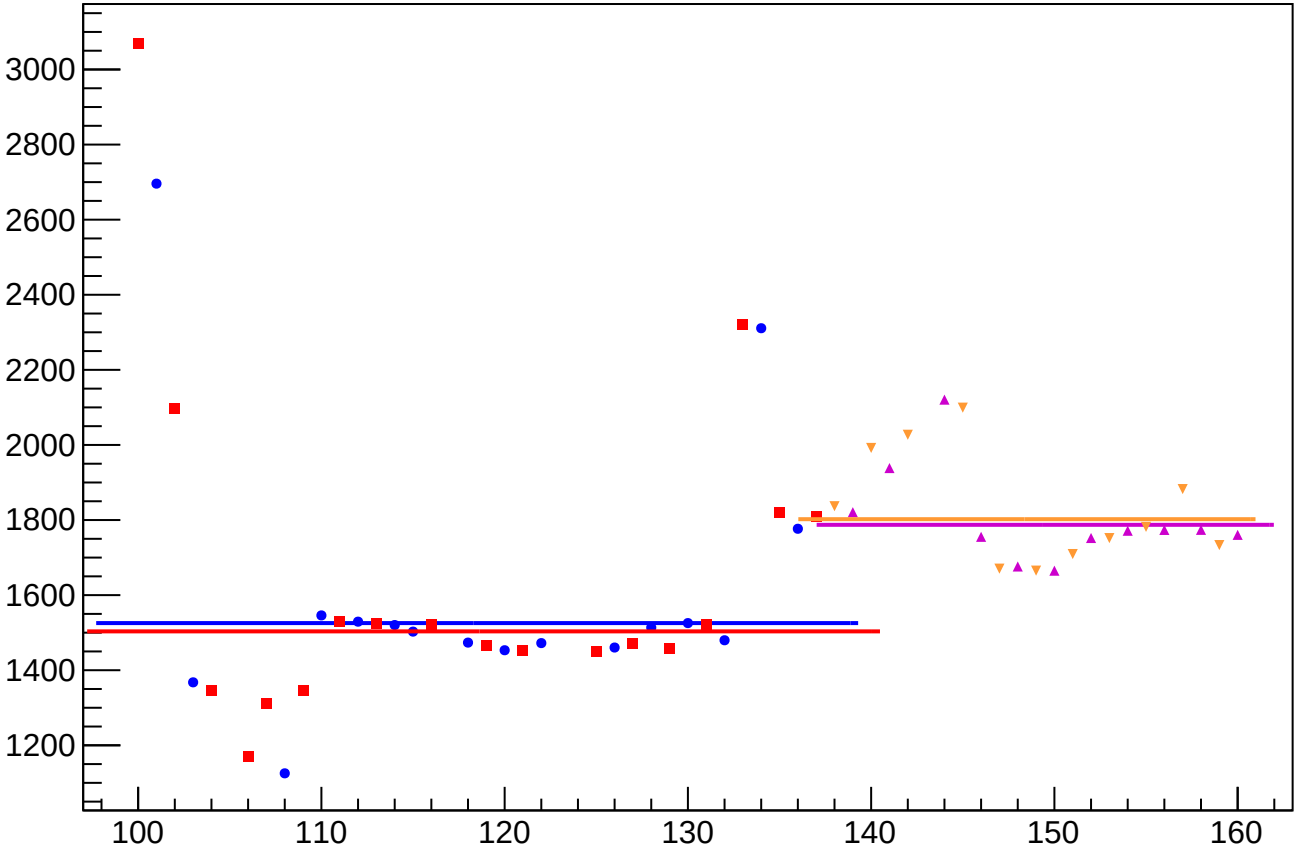
Left In: 1633.374+/-579.398 χ^2/NDF:4.6/10

+ sign 804.461+/-420.170 χ^2/NDF: 41.9/26

All: 945.317+/-292.772 χ^2/NDF: 66.2/55

- 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: 1802.252+/-0.433 χ^2/NDF:92983.7/10

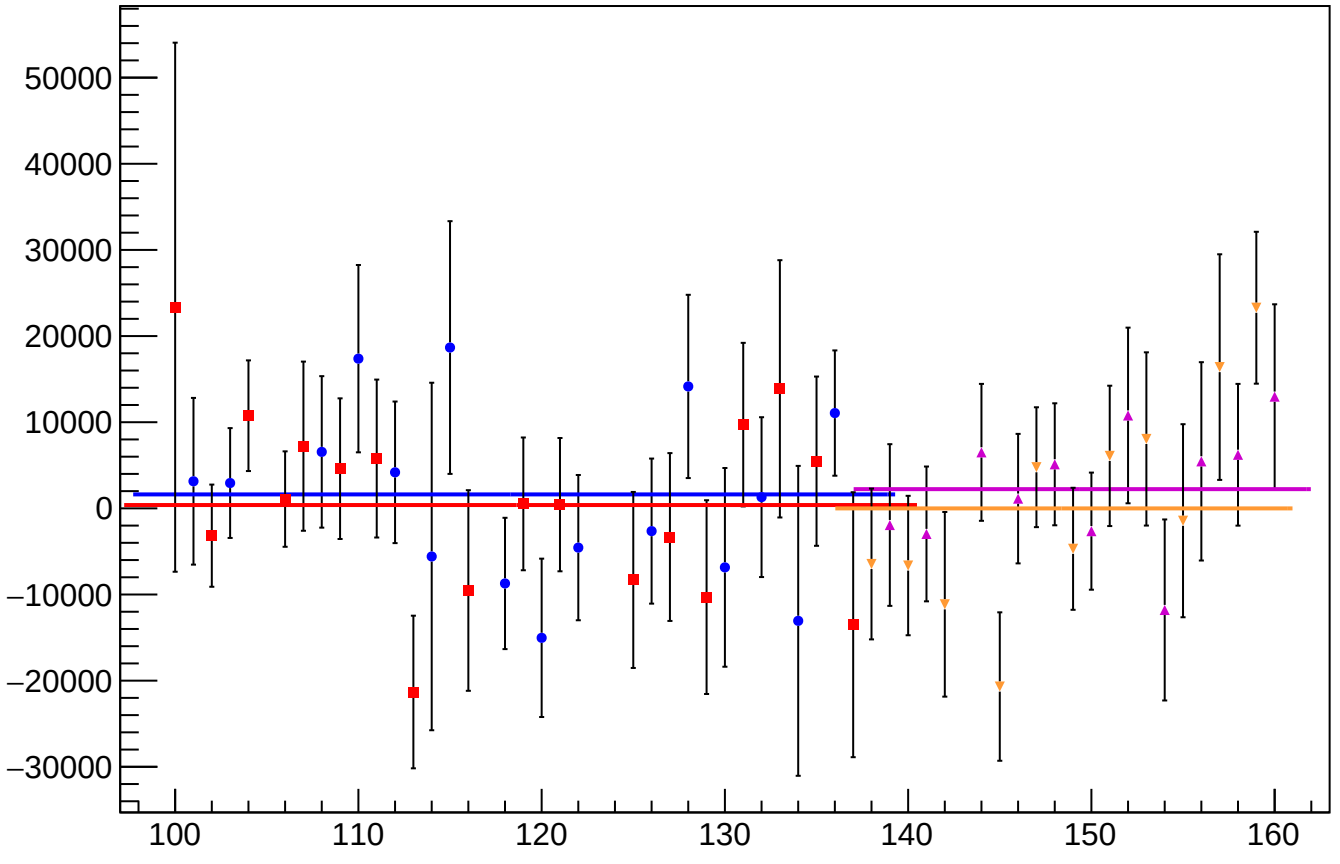
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1787.264+/-0.410 χ^2/NDF:74873.1/10

+ sign 1656.060+/-0.297 χ^2/NDF: 797480.7/26

All: 1649.986+/-0.207 χ^2/NDF: 1453497.2/55

- 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: -4.967+/-2647.036 χ^2/NDF:18.7/10

Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

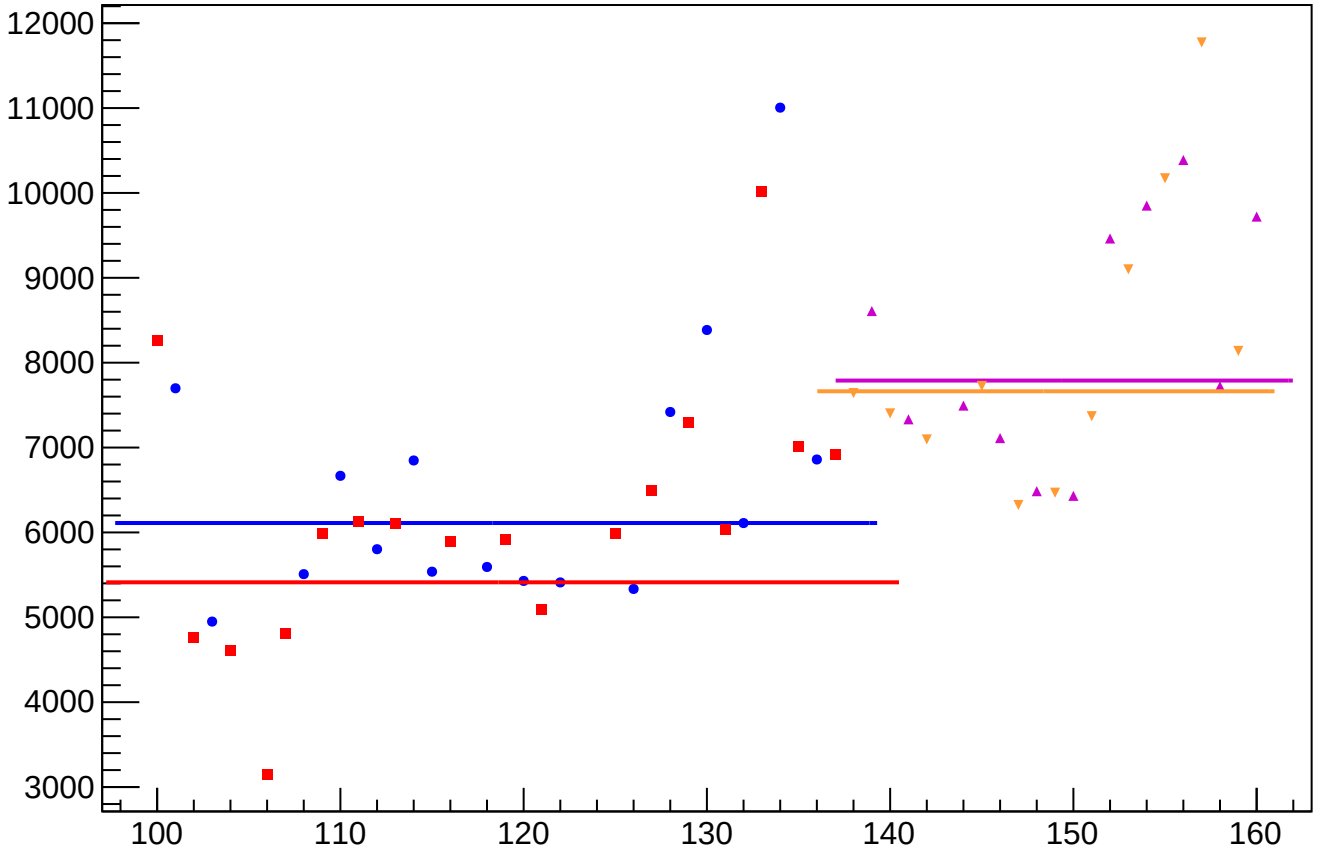
Left In: 2231.026+/-2560.612 χ^2/NDF:5.4/10

+ sign 914.066+/-1744.736 χ^2/NDF: 33.2/26

All: 1020.852+/-1181.411 χ^2/NDF: 55.0/55

- 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: 7663.232+/-1.872 χ^2/NDF:485452.2/10

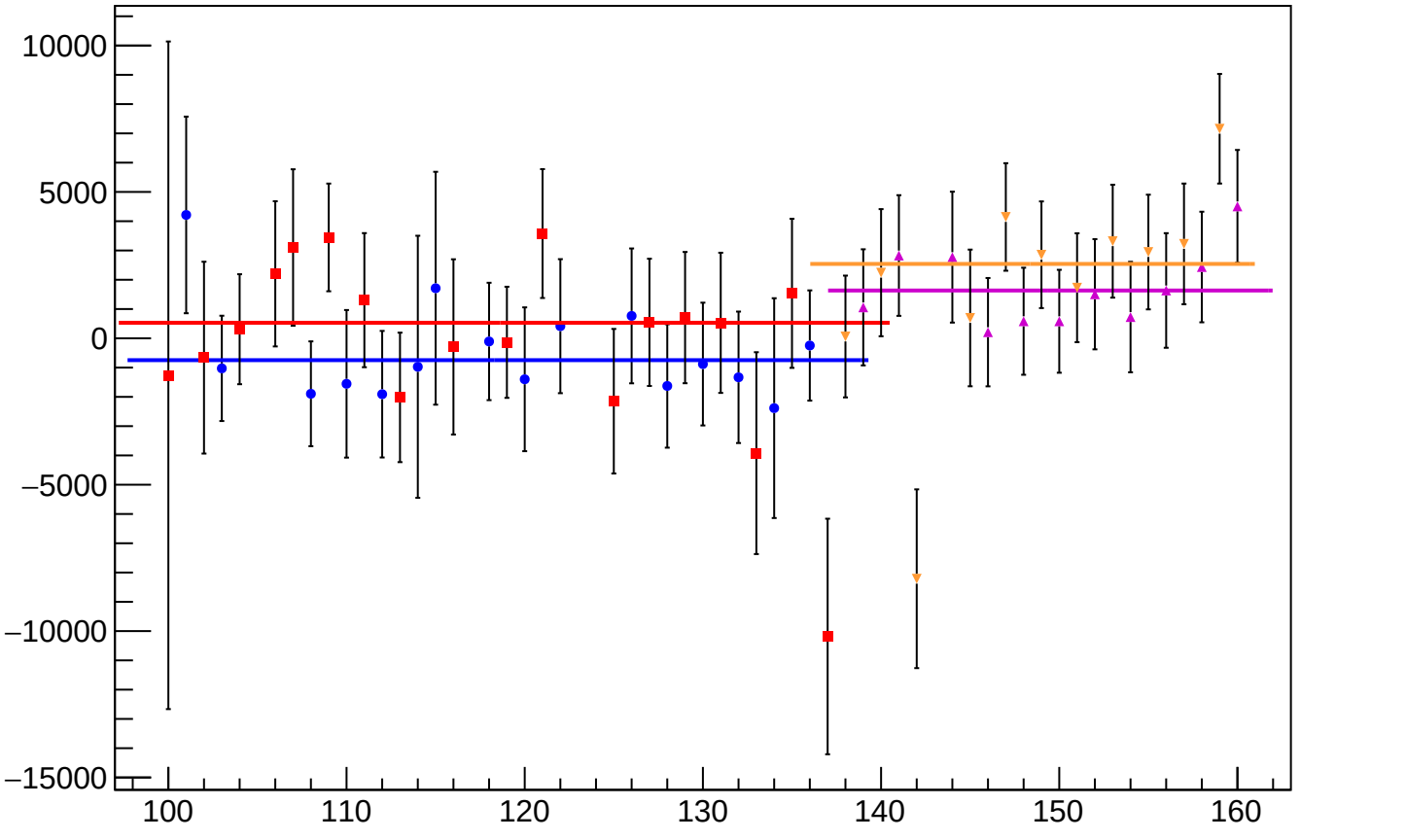
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7789.491+/-1.811 χ^2/NDF:486632.1/10

+ sign 6785.387+/-1.234 χ^2/NDF: 1346046.0/26

All: 6547.891+/-0.835 χ^2/NDF: 3768776.2/55

- 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: 2540.935+/-611.783 χ^2/NDF:21.9/10

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

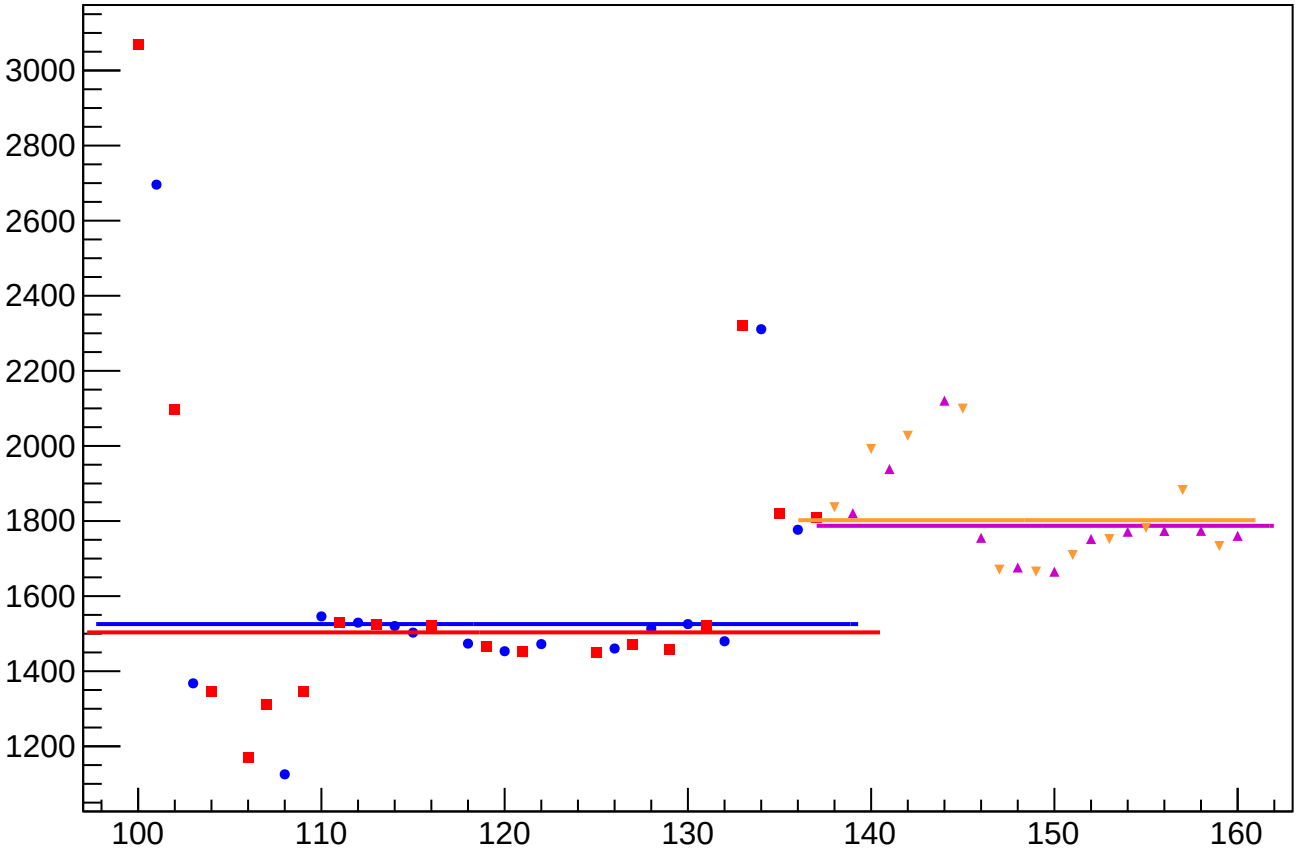
Left In: 1633.372+/-579.399 χ^2/NDF:4.6/10

+ sign 804.458+/-420.170 χ^2/NDF: 41.9/26

All: 945.317+/-292.772 χ^2/NDF: 66.2/55

- sign 1078.248+/-408.174 χ^2/NDF: 24.1/28

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1802.254+/-0.433 χ^2/NDF:92984.7/10

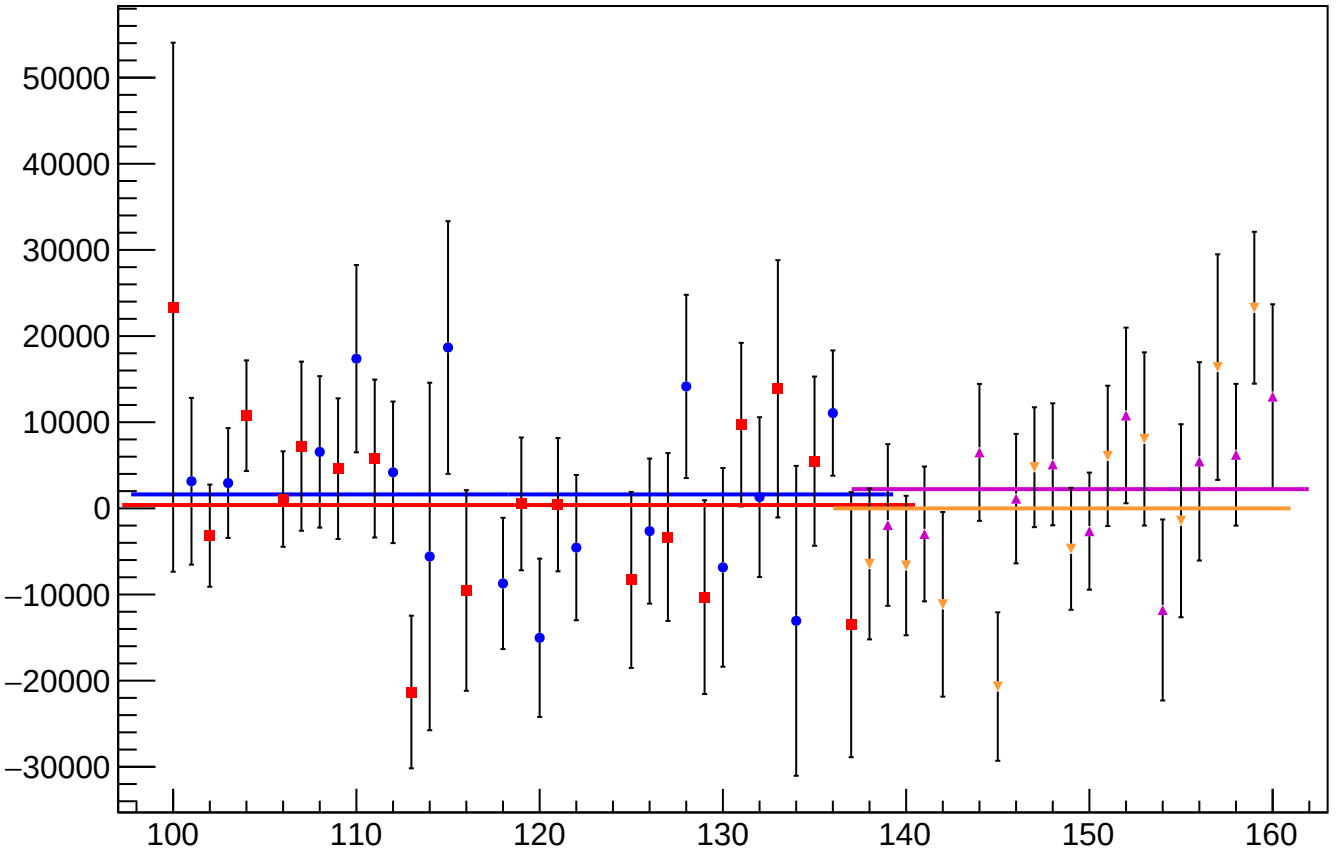
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1787.267+/-0.410 χ^2/NDF:74873.2/10

+ sign 1656.061+/-0.297 χ^2/NDF: 797484.6/26

All: 1649.987+/-0.207 χ^2/NDF: 1453505.2/55

- sign 1644.256+/-0.289 χ^2/NDF: 655208.3/28



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -4.964+/-2647.039 χ^2/NDF:18.7/10

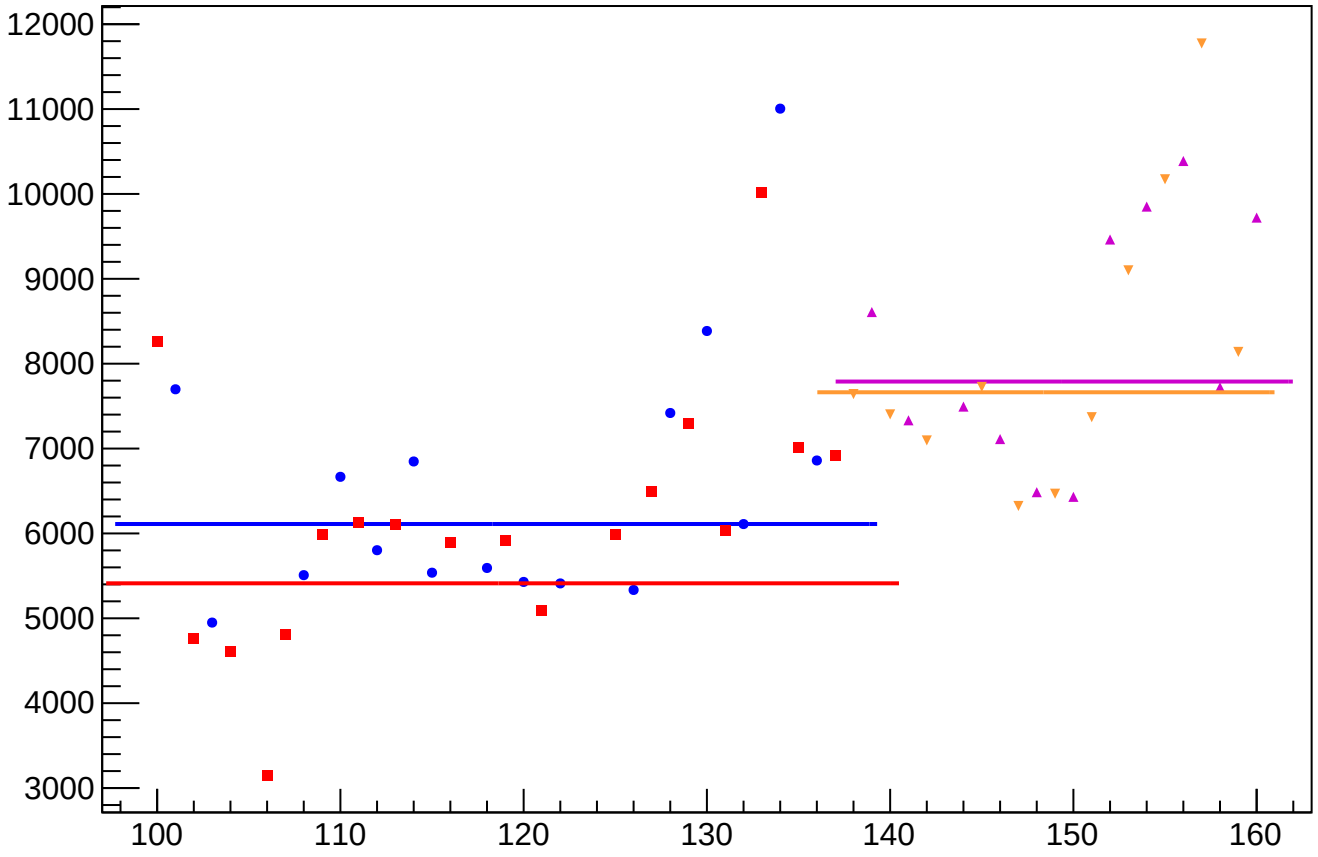
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 2231.024+/-2560.615 χ^2/NDF:5.4/10

+ sign 914.059+/-1744.734 χ^2/NDF: 33.2/26

All: 1020.849+/-1181.410 χ^2/NDF: 55.0/55

- sign 1111.272+/-1605.473 χ^2/NDF: 21.8/28



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7663.241+/-1.872 χ^2/NDF:485452.6/10

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

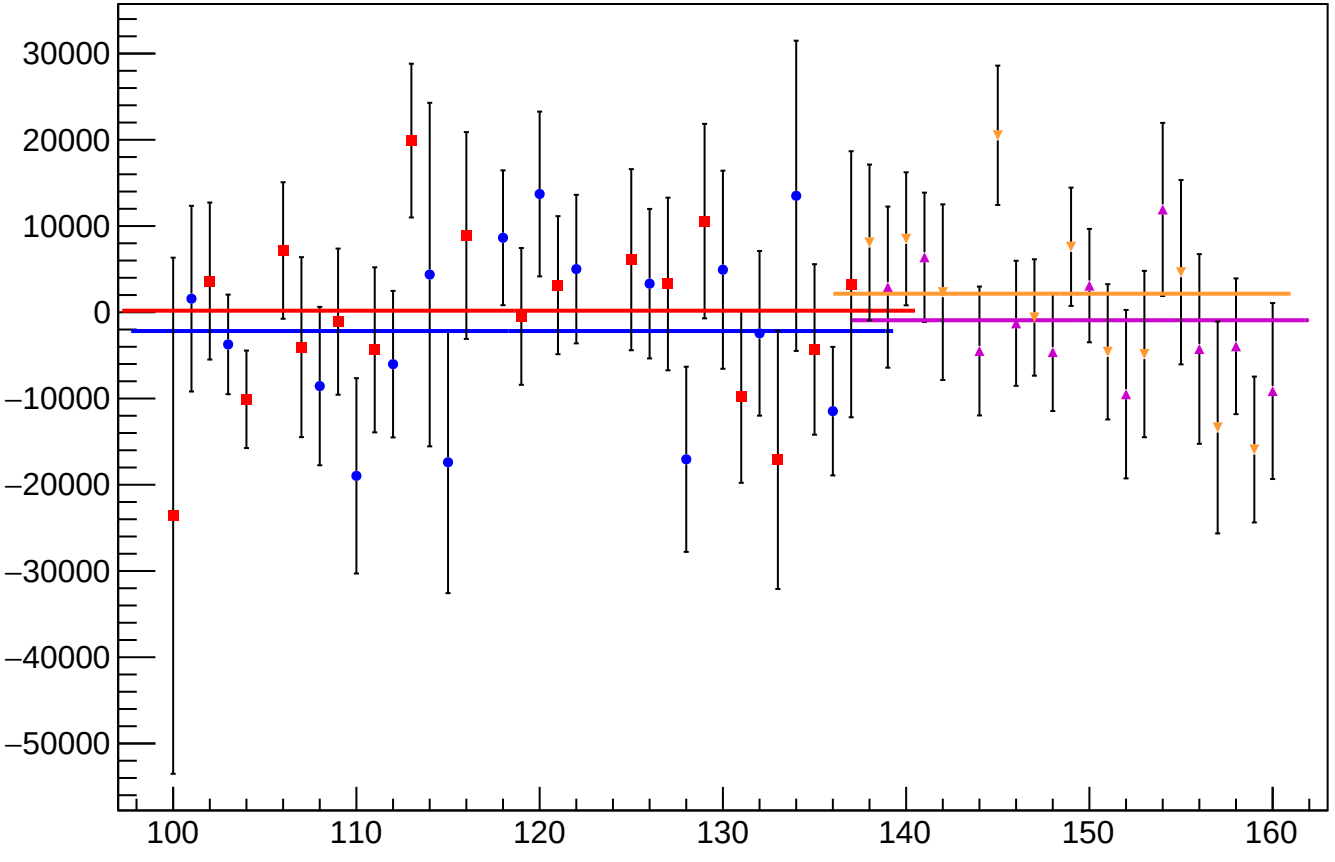
Left In: 7789.500+/-1.811 χ^2/NDF:486632.2/10

+ sign 6785.381+/-1.234 χ^2/NDF: 1346060.2/26

All: 6547.884+/-0.835 χ^2/NDF: 3768809.2/55

- 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: 2151.731+/-2551.564 χ^2/NDF:14.6/10

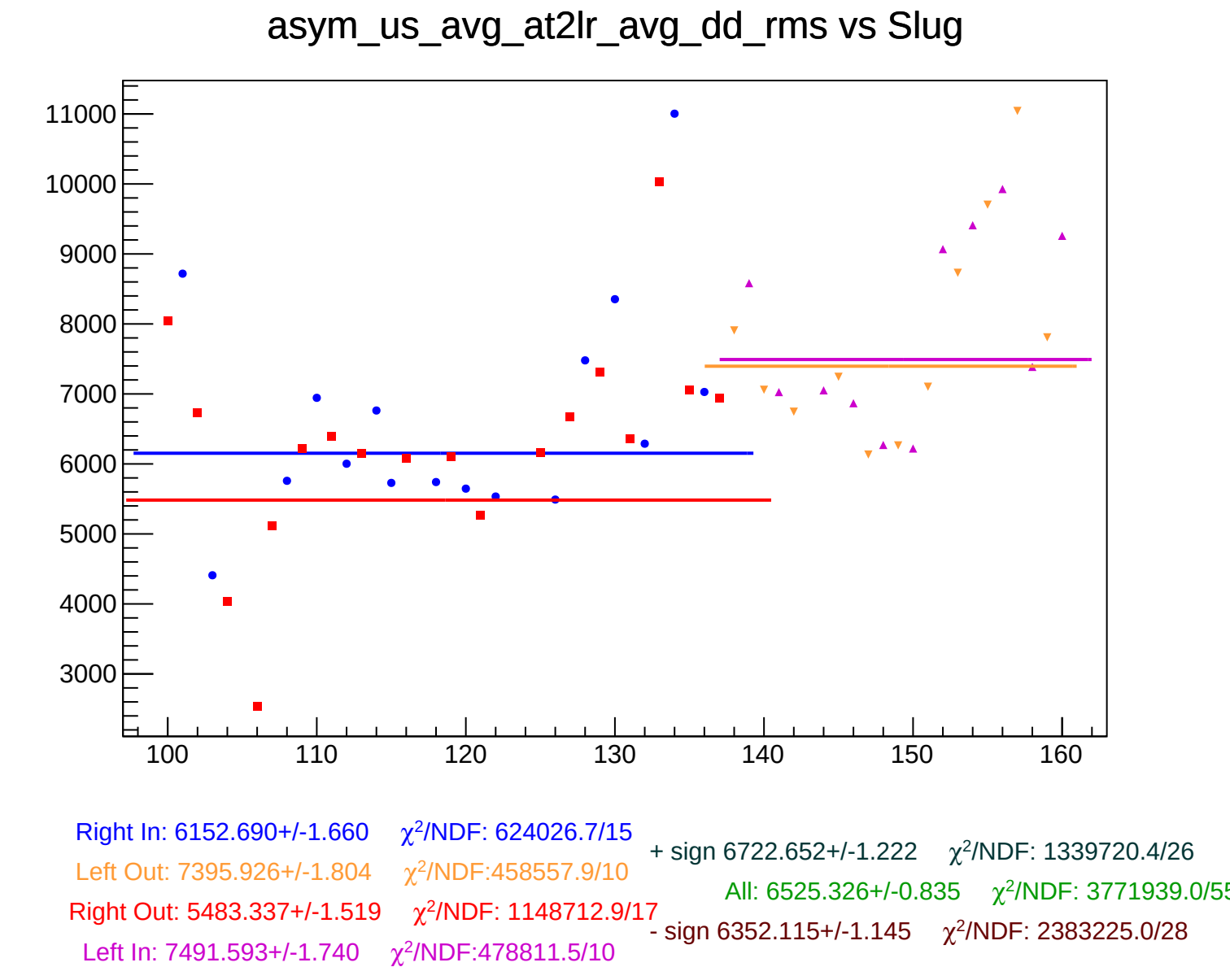
Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

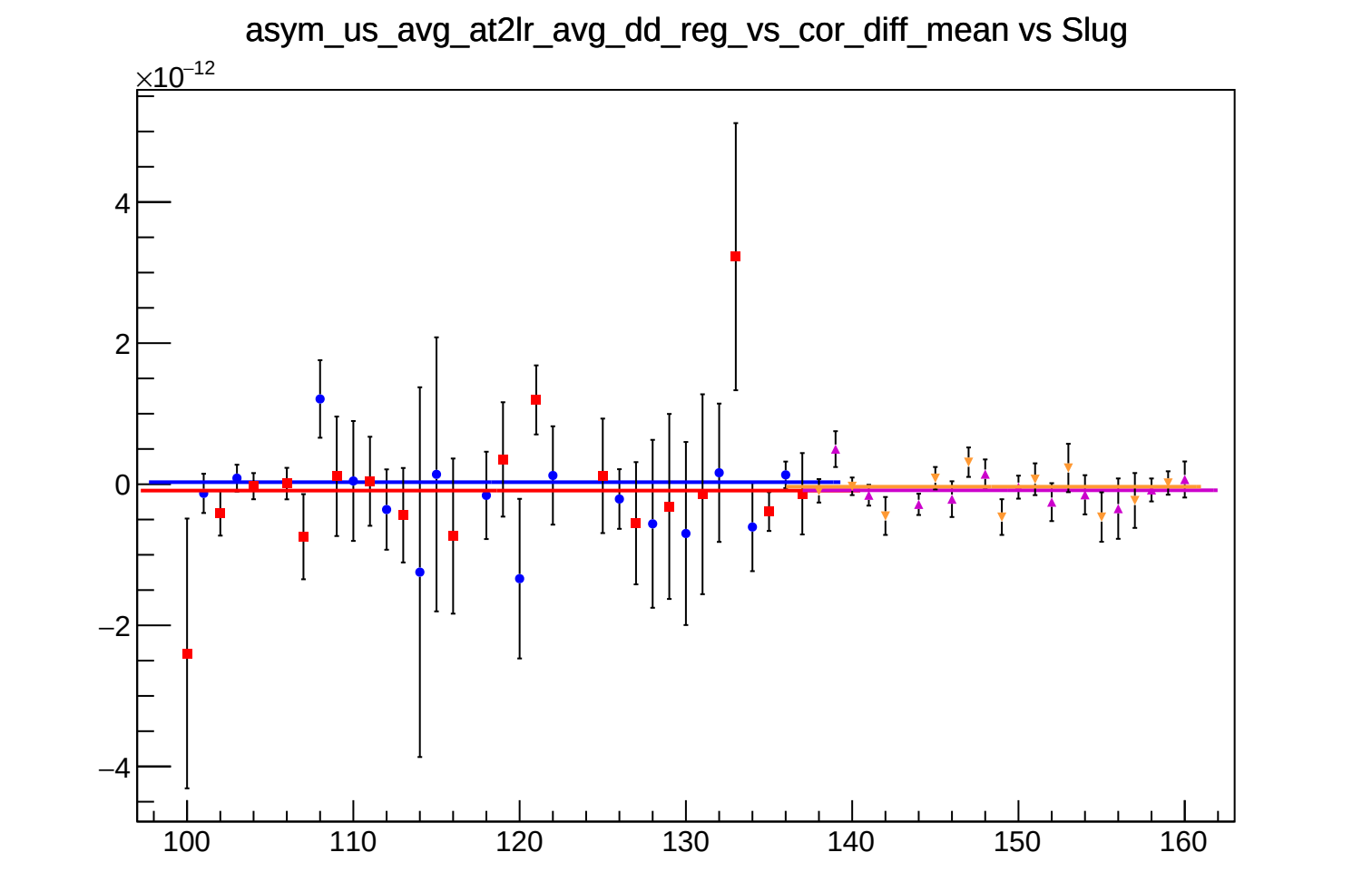
Left In: -921.953+/-2460.949 χ^2/NDF:5.3/10

+ sign -190.881+/-1727.643 χ^2/NDF: 30.7/26

All: -255.522+/-1193.996 χ^2/NDF: 50.8/55

- 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: 7395.926+/-1.804 χ²/NDF:458557.9/10
Right Out: 5483.337+/-1.519 χ²/NDF: 1148712.9/17
Left In: 7491.593+/-1.740 χ²/NDF:478811.5/10
+ sign 6722.652+/-1.222 χ²/NDF: 1339720.4/26
All: 6525.326+/-0.835 χ²/NDF: 3771939.0/55
- sign 6352.115+/-1.145 χ²/NDF: 2383225.0/28


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10⁻¹²
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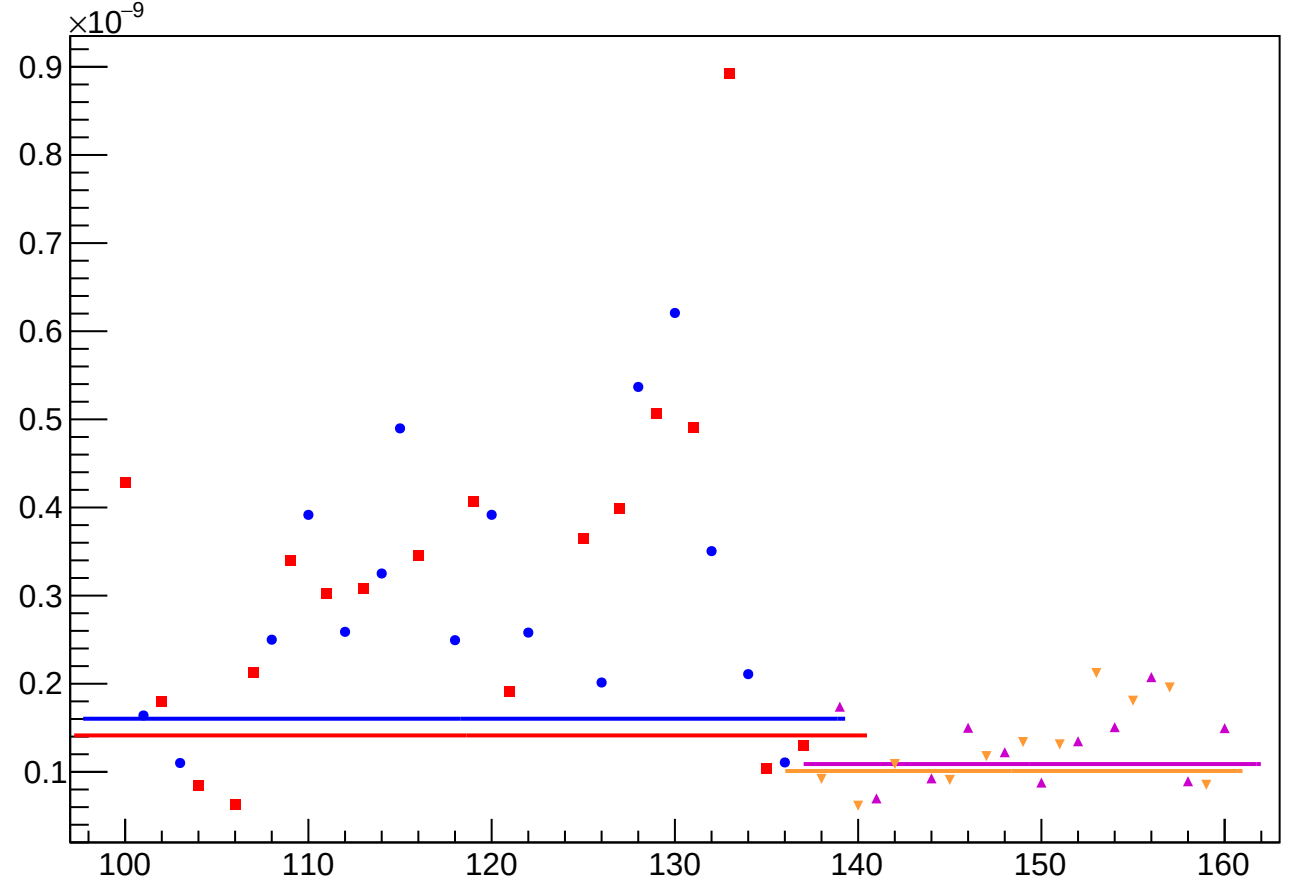
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: -0.000+/-0.000 χ²/NDF:11.4/10
Right Out: -0.000+/-0.000 χ²/NDF: 16.5/17
Left In: -0.000+/-0.000 χ²/NDF:9.9/10
+ sign -0.000+/-0.000 χ²/NDF: 21.2/26
All: -0.000+/-0.000 χ²/NDF: 48.5/55
- sign -0.000+/-0.000 χ²/NDF: 26.4/28



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:748315.4/10

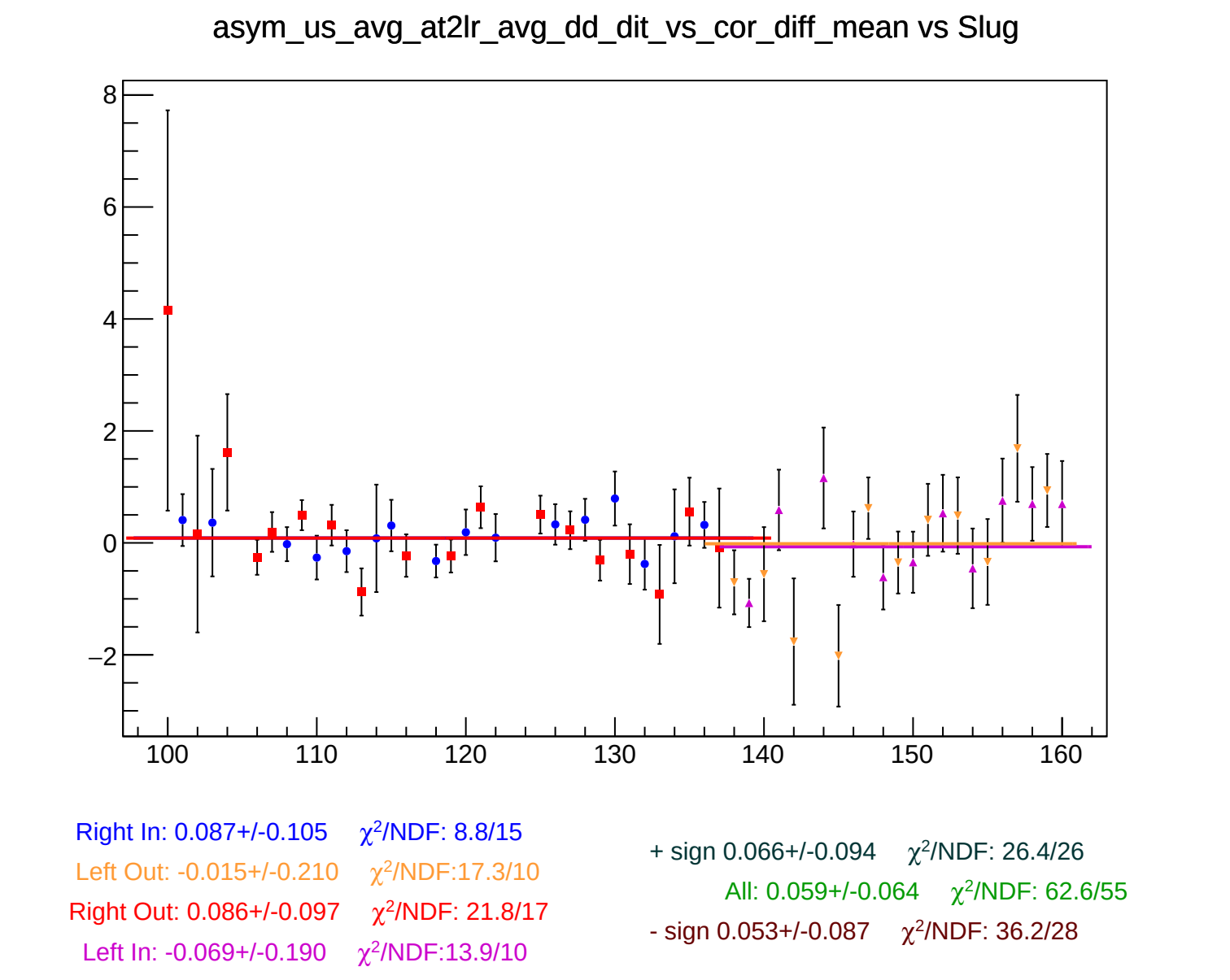
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:637886.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 2564973.3/26

All: 0.000+/-0.000 χ^2/NDF: 5517250.4/55

- sign 0.000+/-0.000 χ^2/NDF: 2951688.7/28


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
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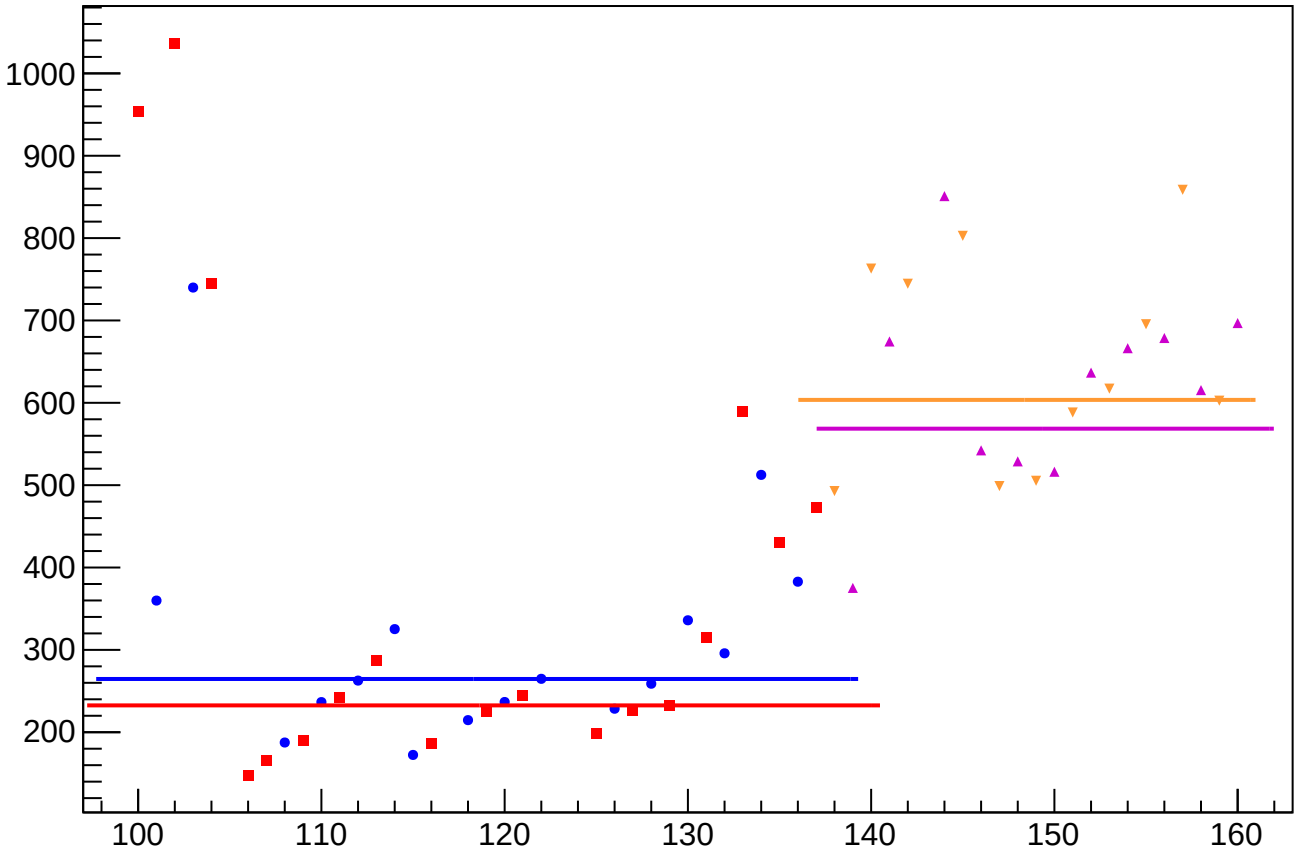
140
150
160
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -0.015+/-0.210 χ²/NDF:17.3/10
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.069+/-0.190 χ²/NDF:13.9/10
+ sign 0.066+/-0.094 χ²/NDF: 26.4/26
All: 0.059+/-0.064 χ²/NDF: 62.6/55
- sign 0.053+/-0.087 χ²/NDF: 36.2/28



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.546+/-0.148 χ^2/NDF:583644.0/10

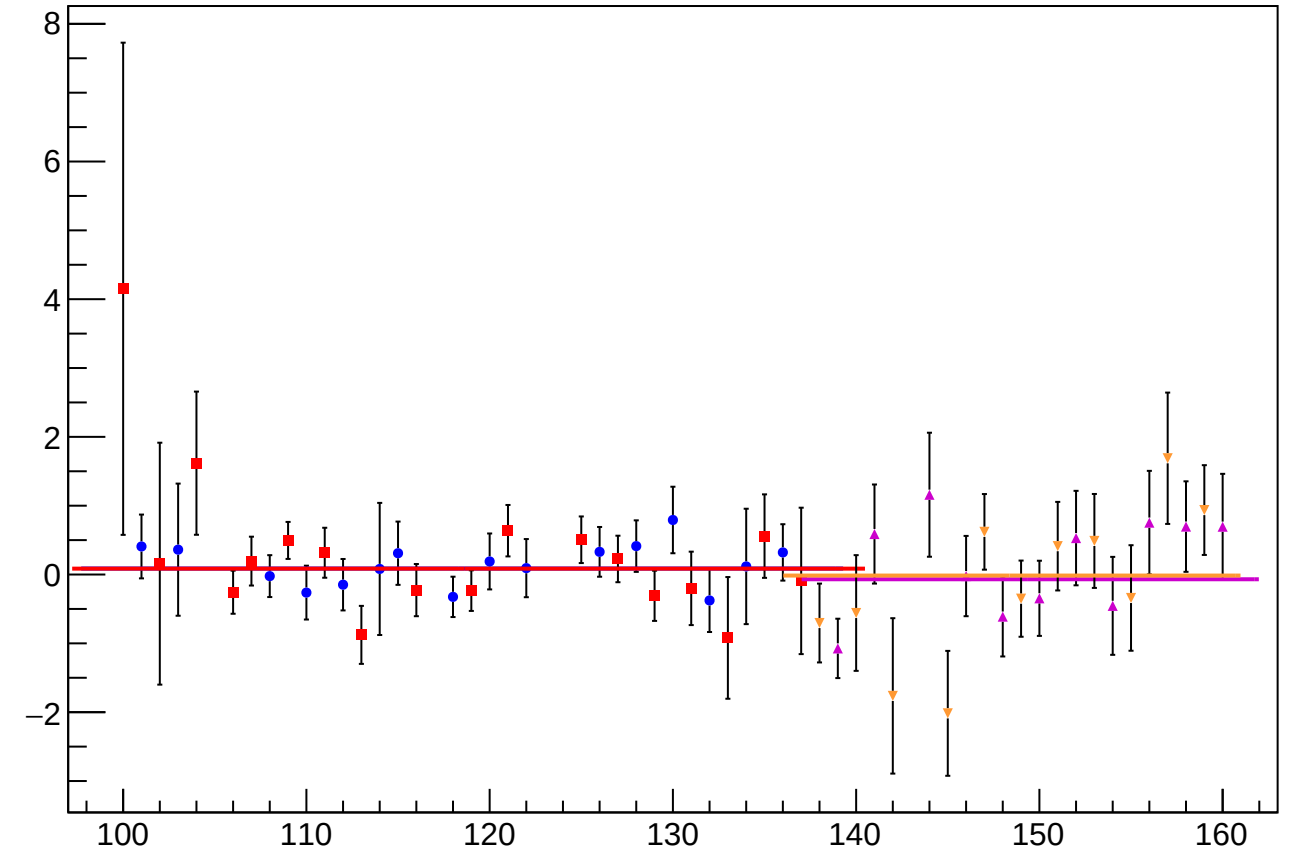
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 568.597+/-0.134 χ^2/NDF:839818.1/10

+ sign 332.725+/-0.066 χ^2/NDF: 6045290.3/26

All: 316.357+/-0.045 χ^2/NDF: 13983617.7/55

- 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: -0.015+/-0.210 χ^2/NDF:17.3/10

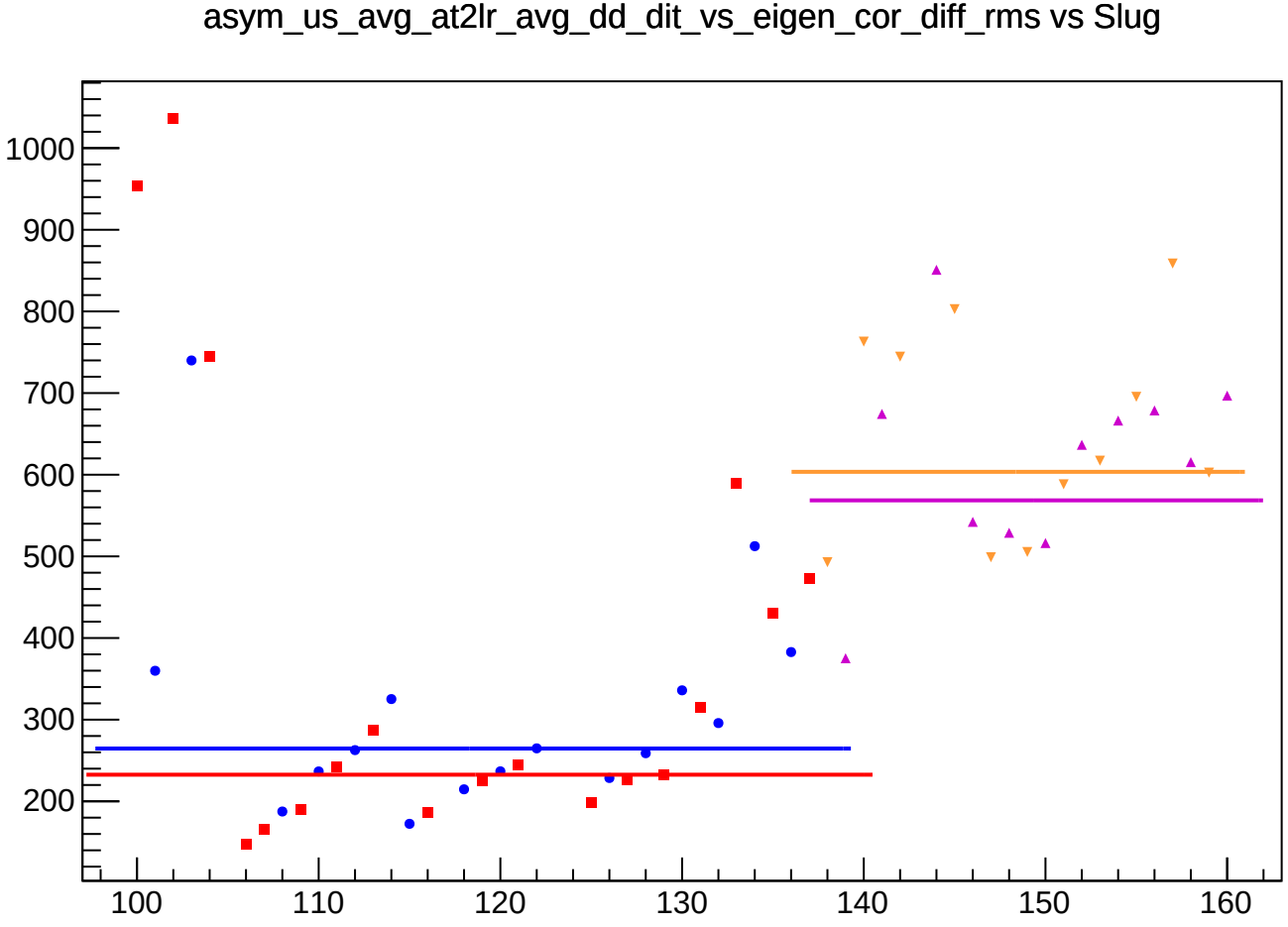
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.069+/-0.190 χ^2/NDF:13.9/10

+ sign 0.066+/-0.094 χ^2/NDF: 26.4/26

All: 0.059+/-0.064 χ^2/NDF: 62.6/55

- 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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110
120
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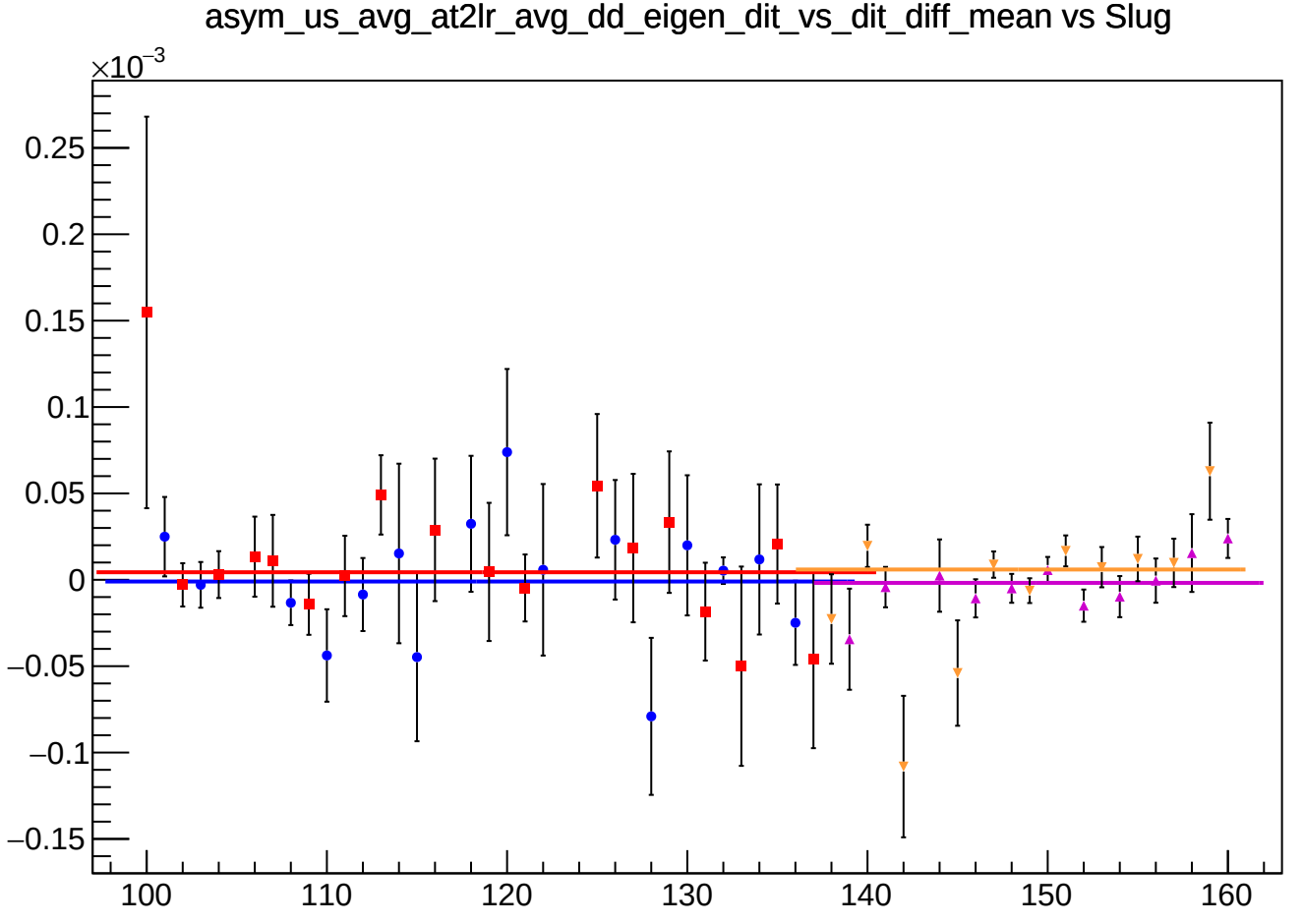
140
150
160
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 603.546+/-0.148 χ²/NDF:583644.0/10
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 568.597+/-0.134 χ²/NDF:839818.1/10
+ sign 332.725+/-0.066 χ²/NDF: 6045290.3/26
All: 316.357+/-0.045 χ²/NDF: 13983617.7/55
- sign 302.434+/-0.061 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:23.0/10

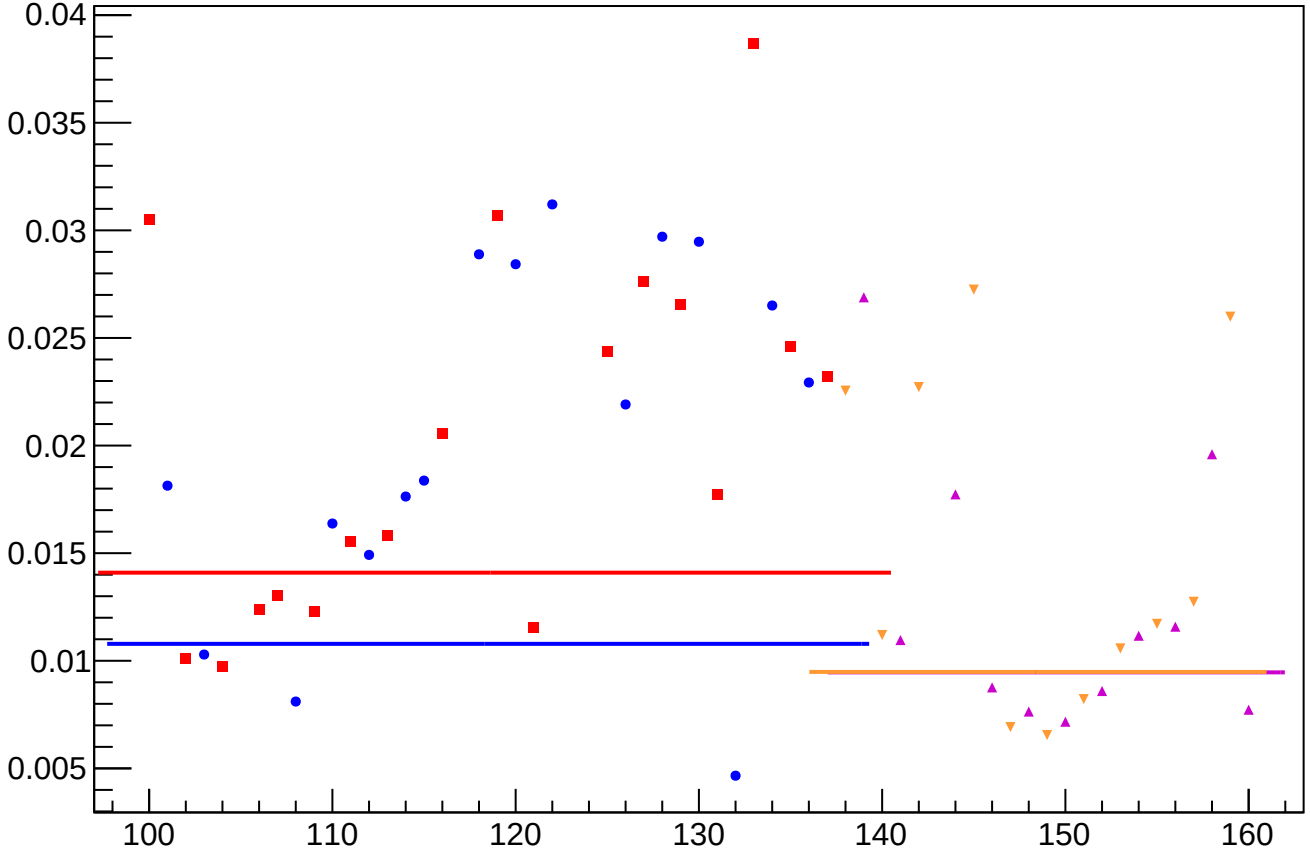
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:11.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 38.7/26

All: 0.000+/-0.000 χ^2/NDF: 64.3/55

- 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:2913320.6/10

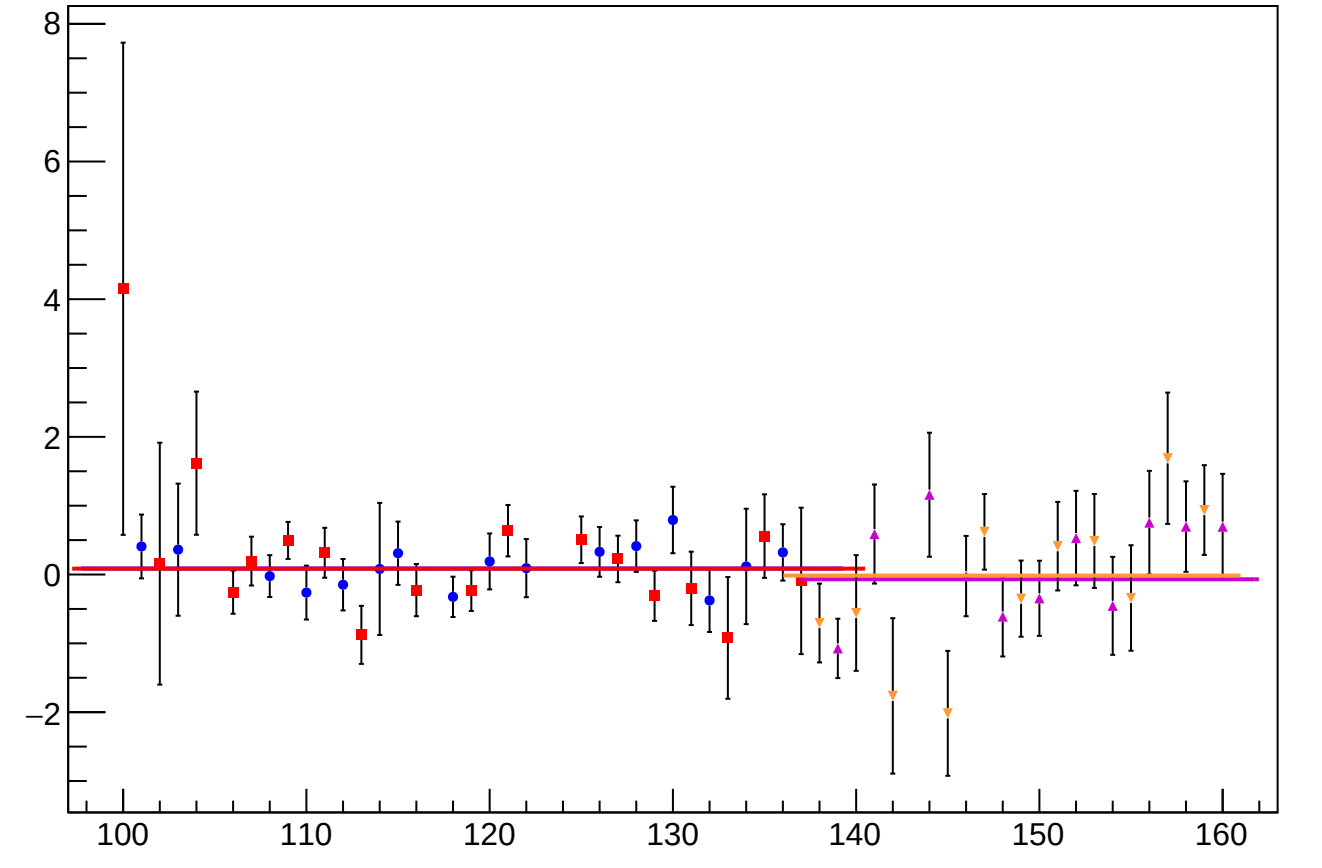
Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.009+/-0.000 χ^2/NDF:1907400.0/10

+ sign 0.010+/-0.000 χ^2/NDF: 7584605.5/26

All: 0.010+/-0.000 χ^2/NDF: 12607224.5/55

- 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: -0.015+/-0.210 χ^2/NDF:17.3/10

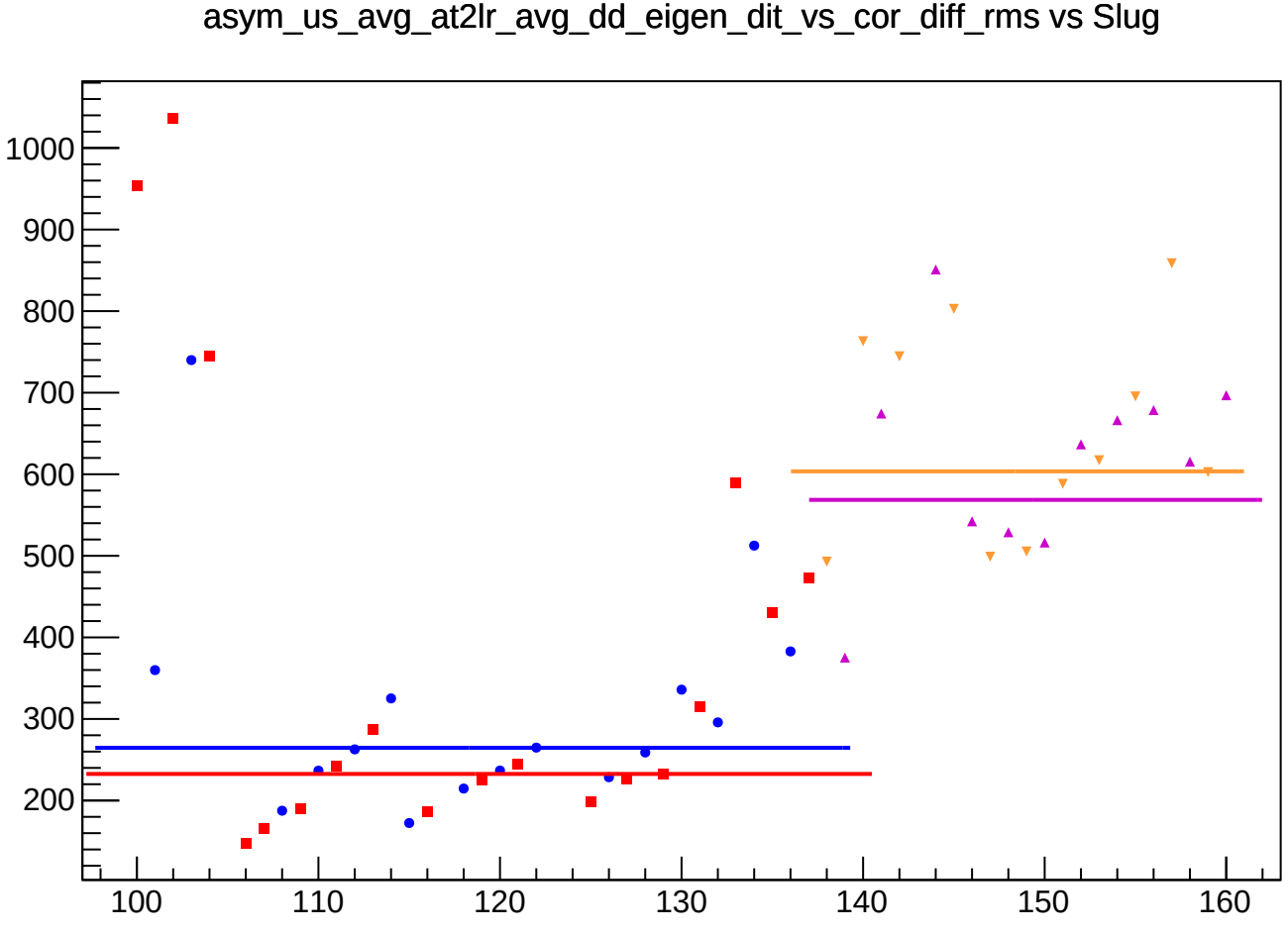
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.069+/-0.190 χ^2/NDF:13.9/10

+ sign 0.066+/-0.094 χ^2/NDF: 26.4/26

All: 0.059+/-0.064 χ^2/NDF: 62.6/55

- 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
1000
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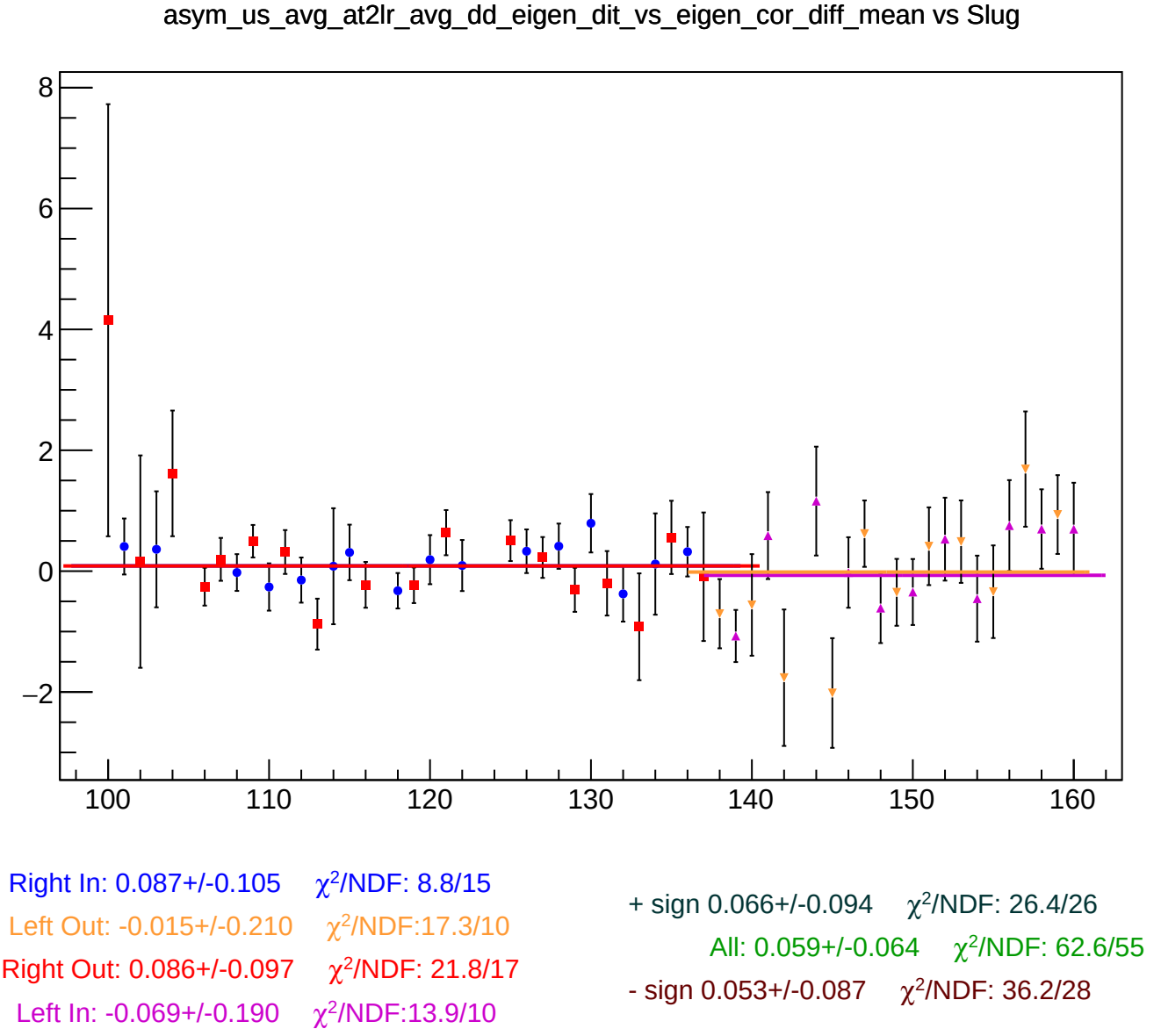
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 603.552+/-0.148 χ²/NDF:583649.4/10
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 568.605+/-0.134 χ²/NDF:839787.2/10
+ sign 332.725+/-0.066 χ²/NDF: 6045361.7/26
All: 316.357+/-0.045 χ²/NDF: 13983745.8/55
- sign 302.435+/-0.061 χ²/NDF: 7826008.3/28


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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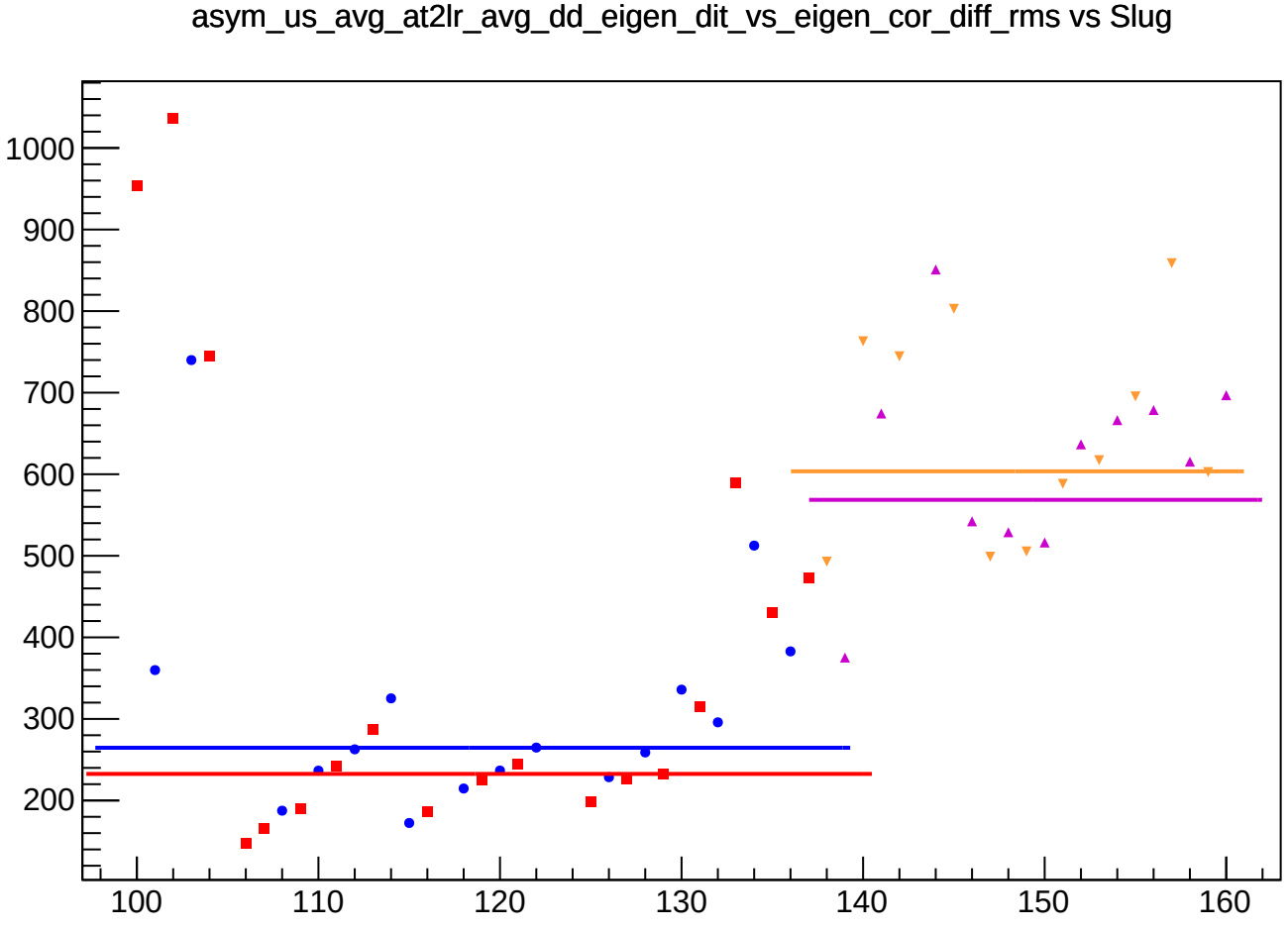
120
130
140
150
160
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -0.015+/-0.210 χ²/NDF:17.3/10
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.069+/-0.190 χ²/NDF:13.9/10
+ sign 0.066+/-0.094 χ²/NDF: 26.4/26
All: 0.059+/-0.064 χ²/NDF: 62.6/55
- sign 0.053+/-0.087 χ²/NDF: 36.2/28



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 603.552+/-0.148 χ^2/NDF:583649.4/10

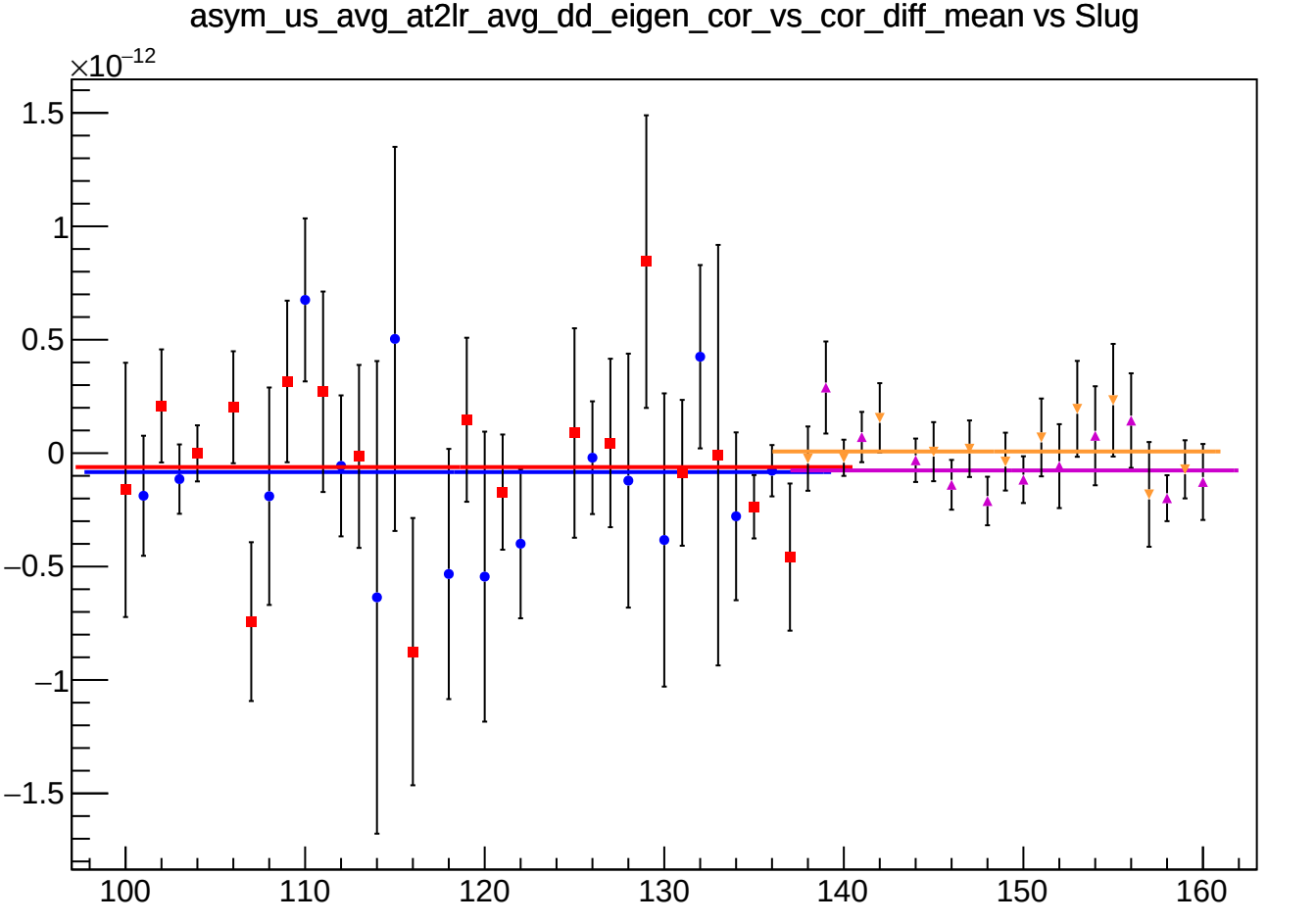
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 568.605+/-0.134 χ^2/NDF:839787.2/10

+ sign 332.725+/-0.066 χ^2/NDF: 6045361.7/26

All: 316.357+/-0.045 χ^2/NDF: 13983745.8/55

- sign 302.435+/-0.061 χ^2/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:4.0/10

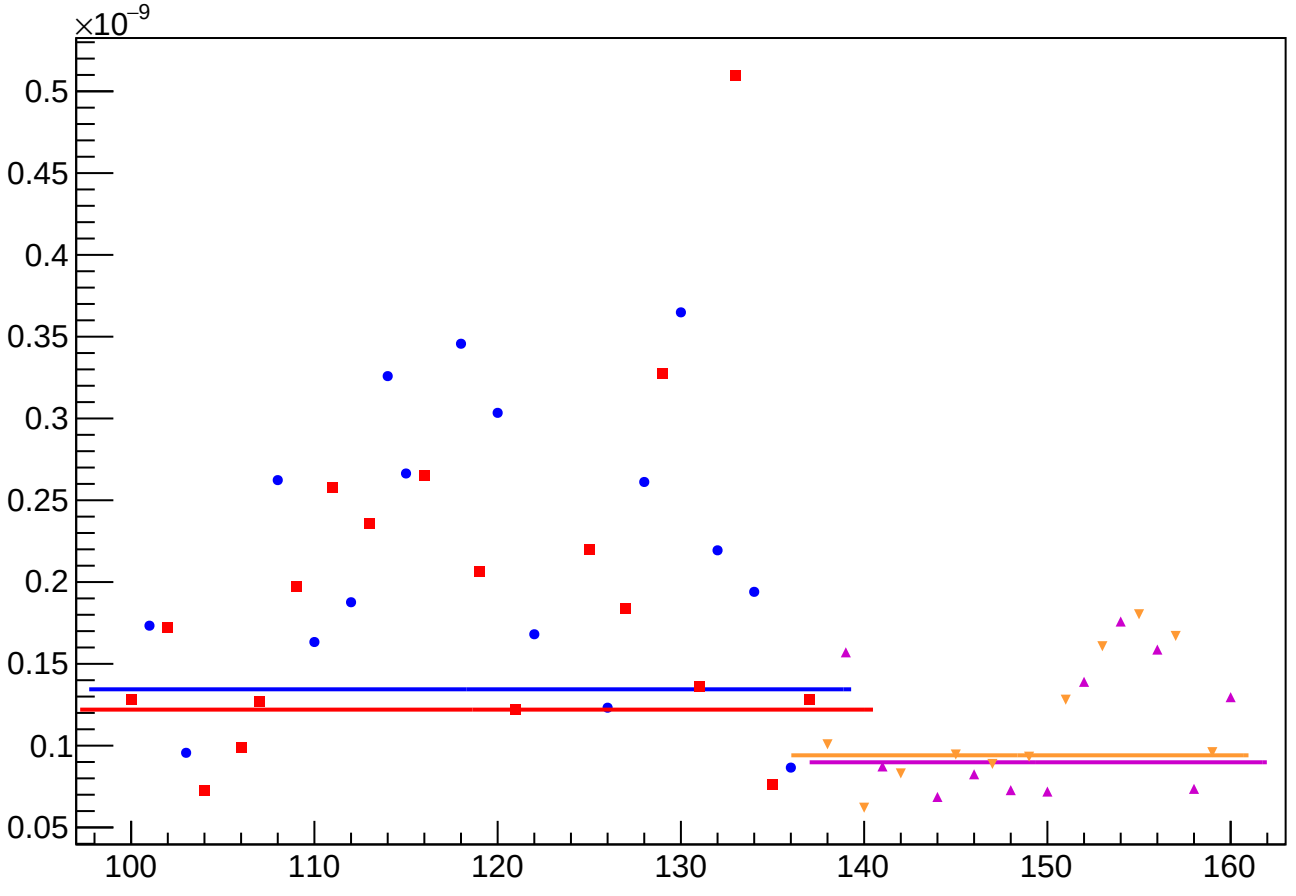
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:10.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 15.0/26

All: -0.000+/-0.000 χ^2/NDF: 42.6/55

- 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:1059567.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

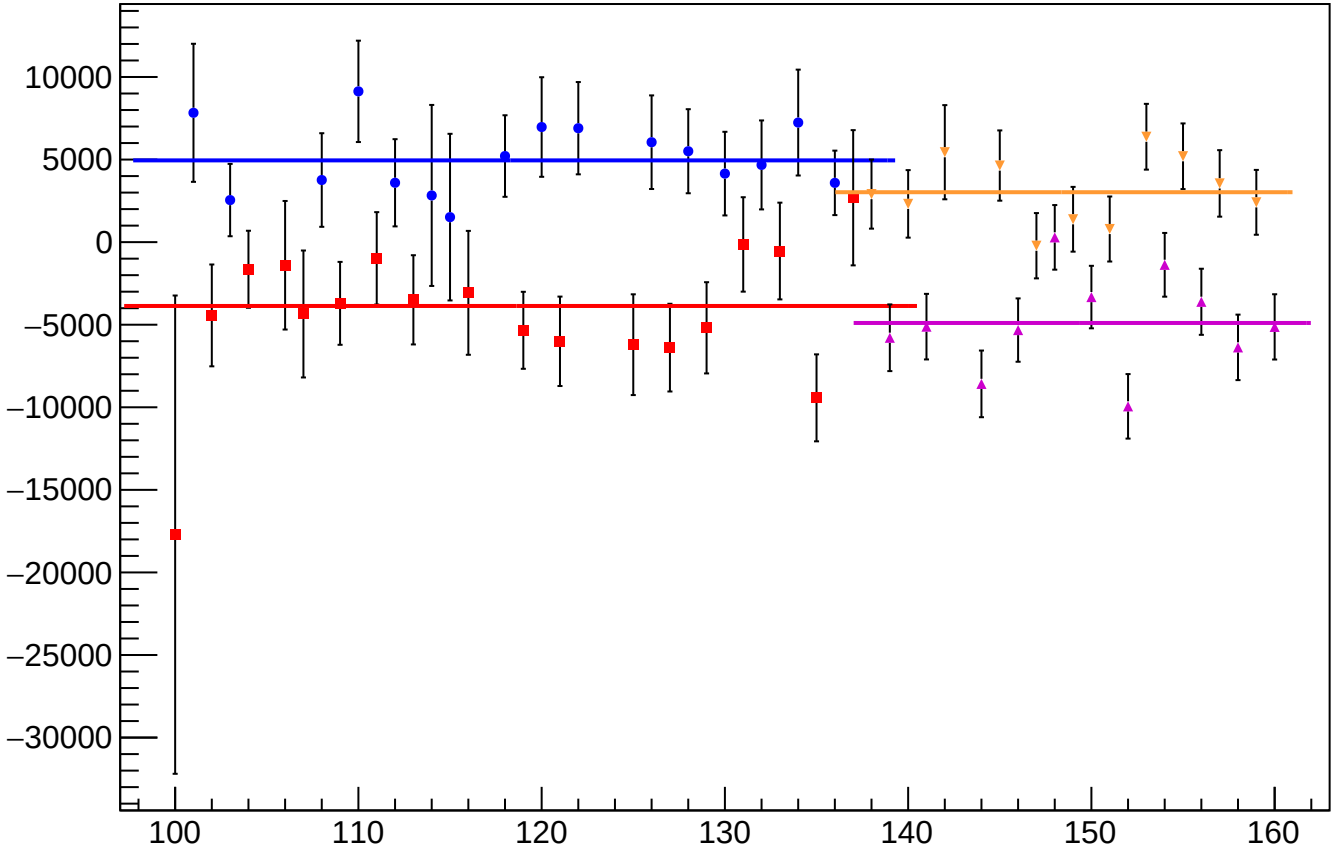
Left In: 0.000+/-0.000 χ^2/NDF:1273046.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 3377994.4/26

All: 0.000+/-0.000 χ^2/NDF: 7059964.1/55

- 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: 3023.233+/-620.567 χ^2/NDF:10.3/10

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

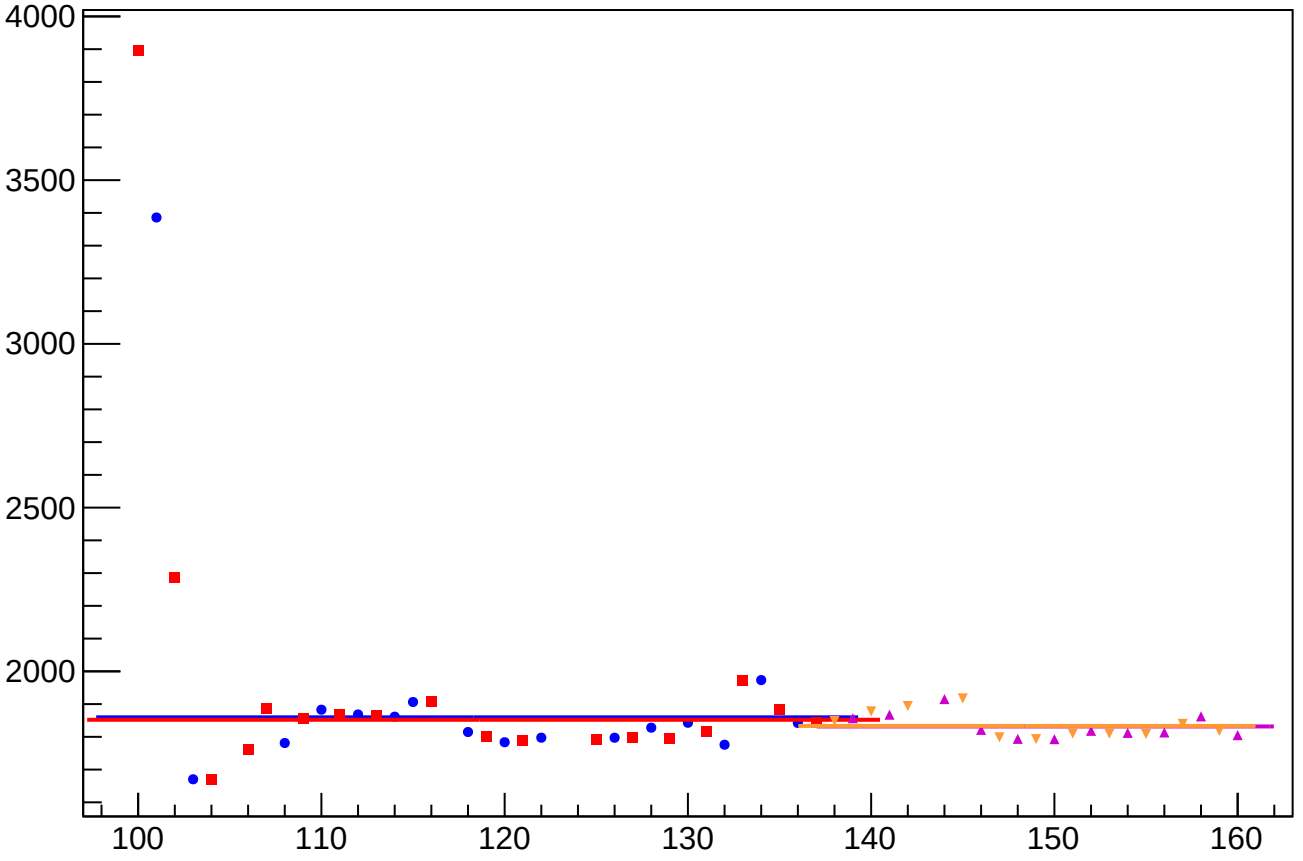
Left In: -4894.271+/-592.585 χ^2/NDF:22.3/10

+ sign 3872.723+/-464.052 χ^2/NDF: 21.4/26

All: -412.013+/-323.472 χ^2/NDF: 227.0/55

- 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: 1833.337+/-0.439 χ^2/NDF:7544.2/10

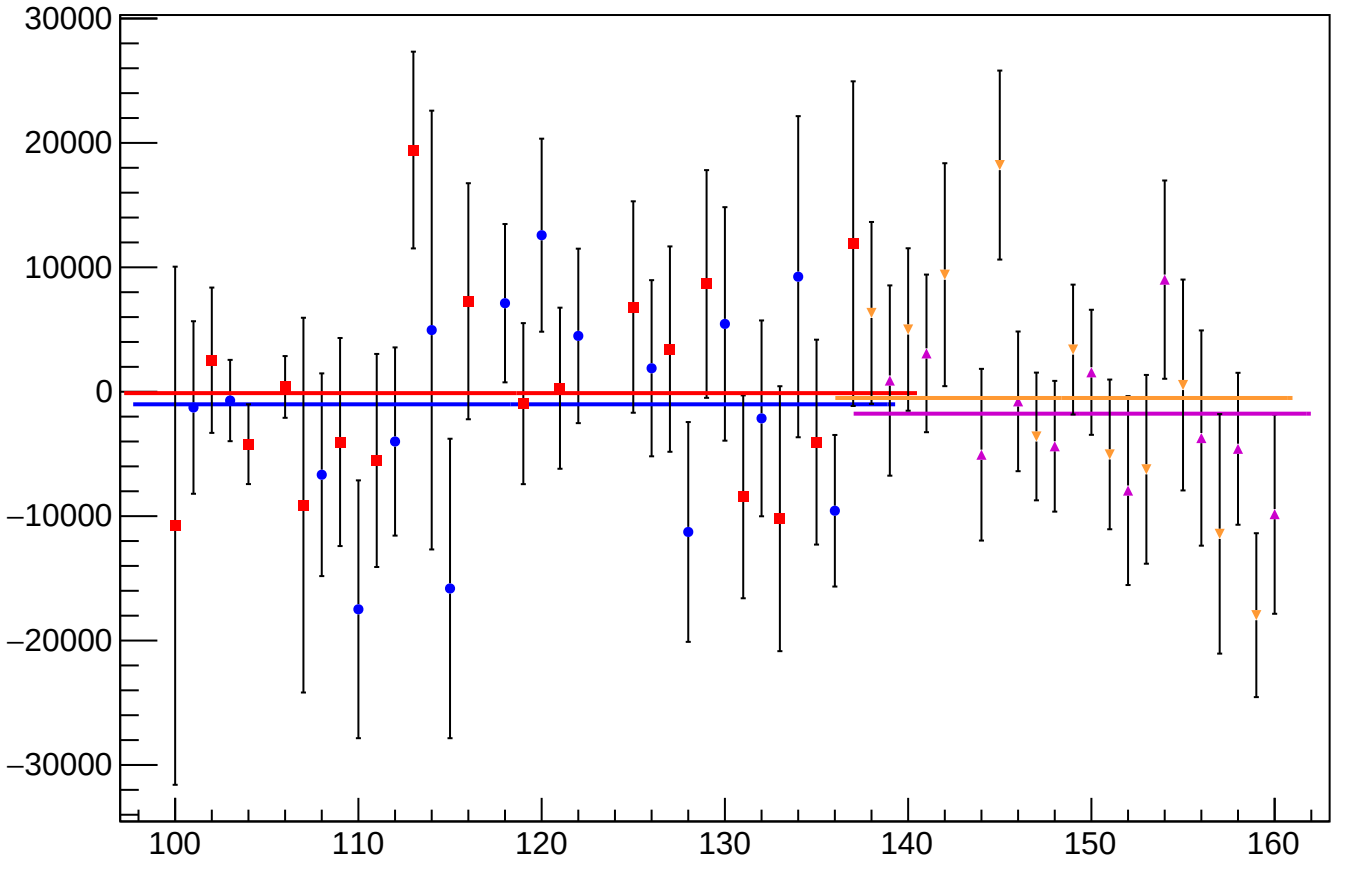
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1831.721+/-0.419 χ^2/NDF:7344.4/10

+ sign 1844.874+/-0.328 χ^2/NDF: 301447.0/26

All: 1842.522+/-0.229 χ^2/NDF: 412098.3/55

- 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: -502.158+/-2043.846 χ^2/NDF:19.3/10

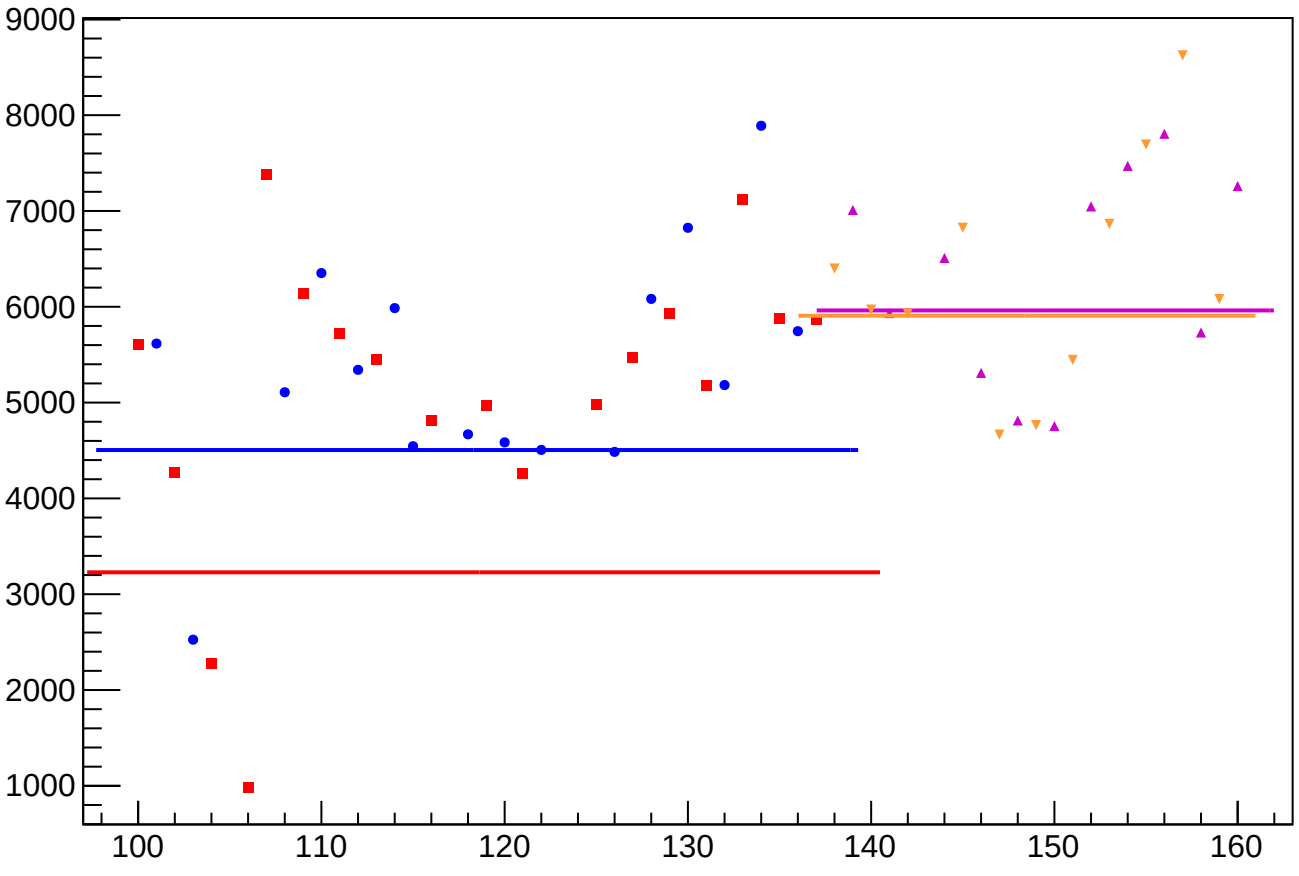
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -1763.584+/-1963.413 χ^2/NDF:5.4/10

+ sign -793.340+/-1335.482 χ^2/NDF: 34.0/26

All: -733.548+/-875.932 χ^2/NDF: 54.6/55

- 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: 5906.814+/-1.445 χ^2/NDF:544512.1/10

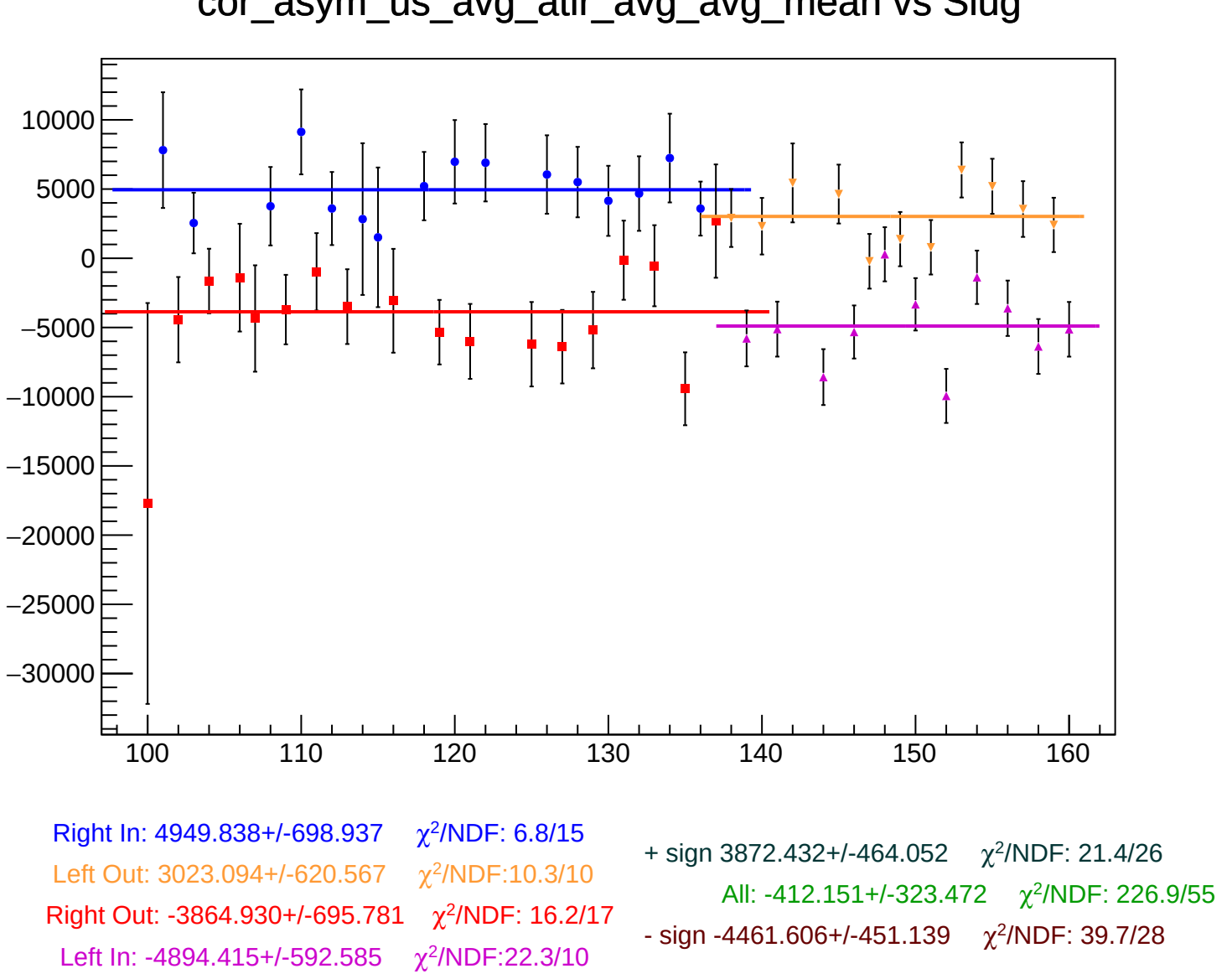
Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 5961.903+/-1.388 χ^2/NDF:546859.5/10

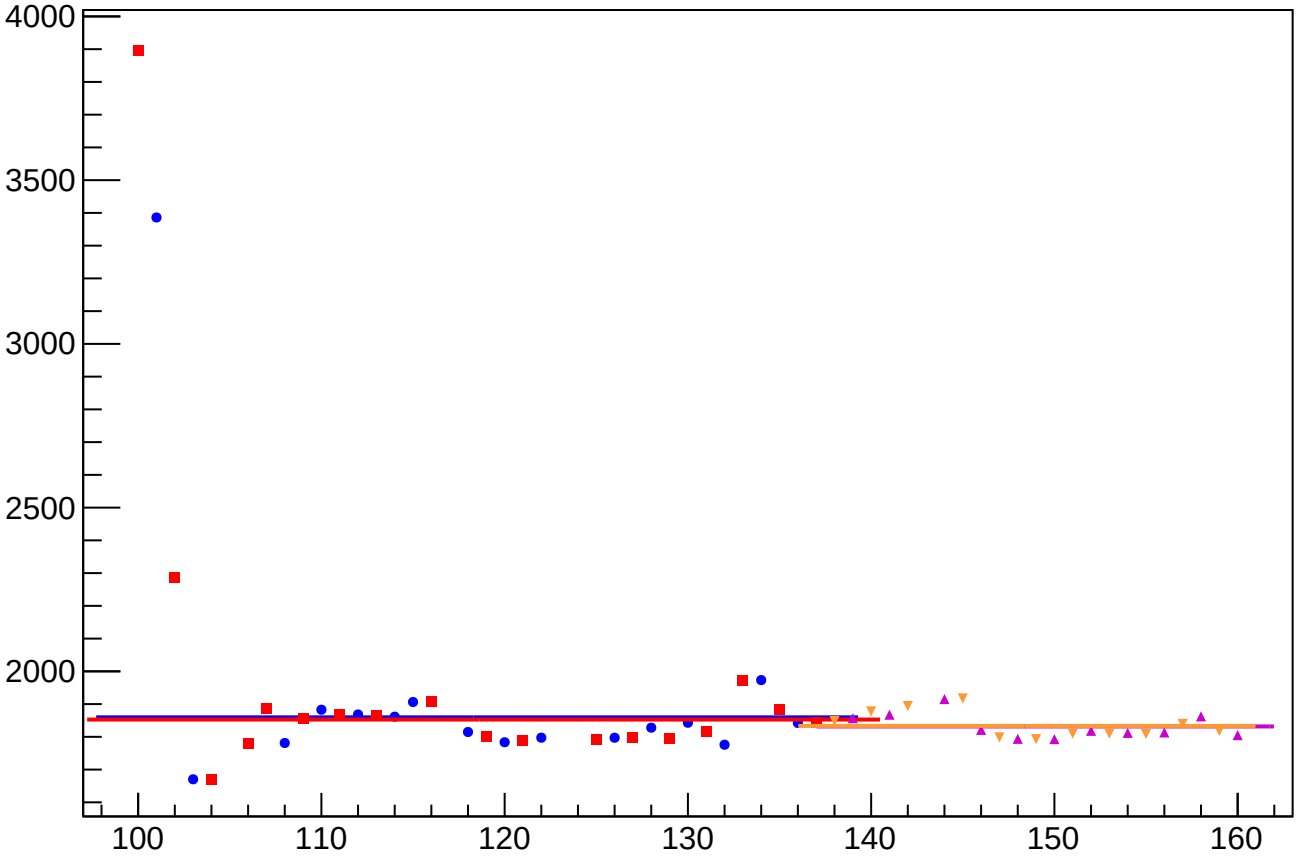
+ sign 5103.387+/-0.944 χ^2/NDF: 2404924.1/26

All: 4579.132+/-0.619 χ^2/NDF: 9971194.2/55

- sign 4183.328+/-0.821 χ^2/NDF: 7025376.7/28


cor_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: 4949.838+/-698.937 χ²/NDF: 6.8/15
Left Out: 3023.094+/-620.567 χ²/NDF:10.3/10
Right Out: -3864.930+/-695.781 χ²/NDF: 16.2/17
Left In: -4894.415+/-592.585 χ²/NDF:22.3/10
+ sign 3872.432+/-464.052 χ²/NDF: 21.4/26
All: -412.151+/-323.472 χ²/NDF: 226.9/55
- sign -4461.606+/-451.139 χ²/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: 1833.337+/-0.439 χ^2/NDF:7544.2/10

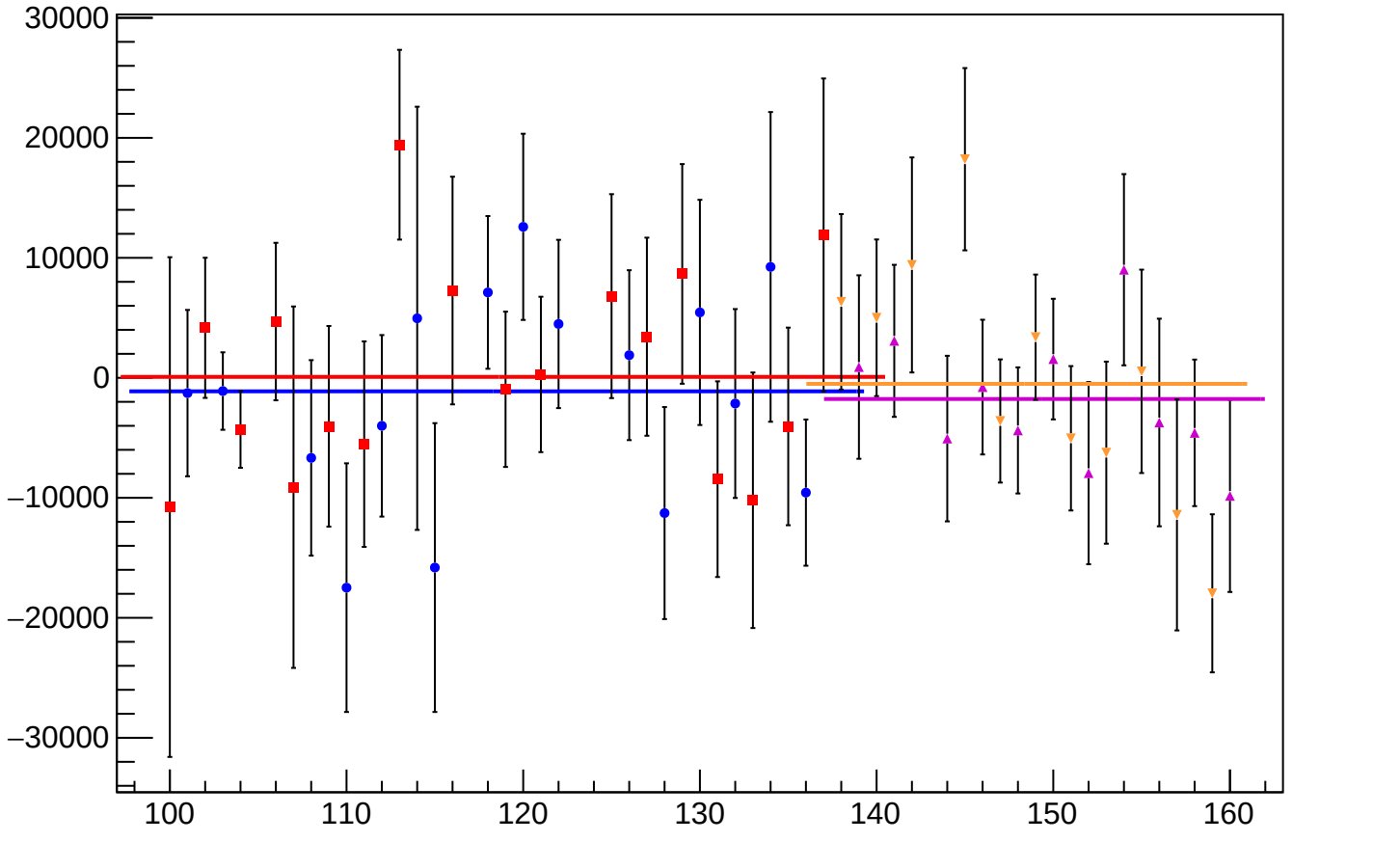
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1831.721+/-0.419 χ^2/NDF:7344.4/10

+ sign 1844.874+/-0.328 χ^2/NDF: 301448.9/26

All: 1842.673+/-0.229 χ^2/NDF: 411695.4/55

- 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: -502.305+/-2043.845 χ^2/NDF:19.3/10

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

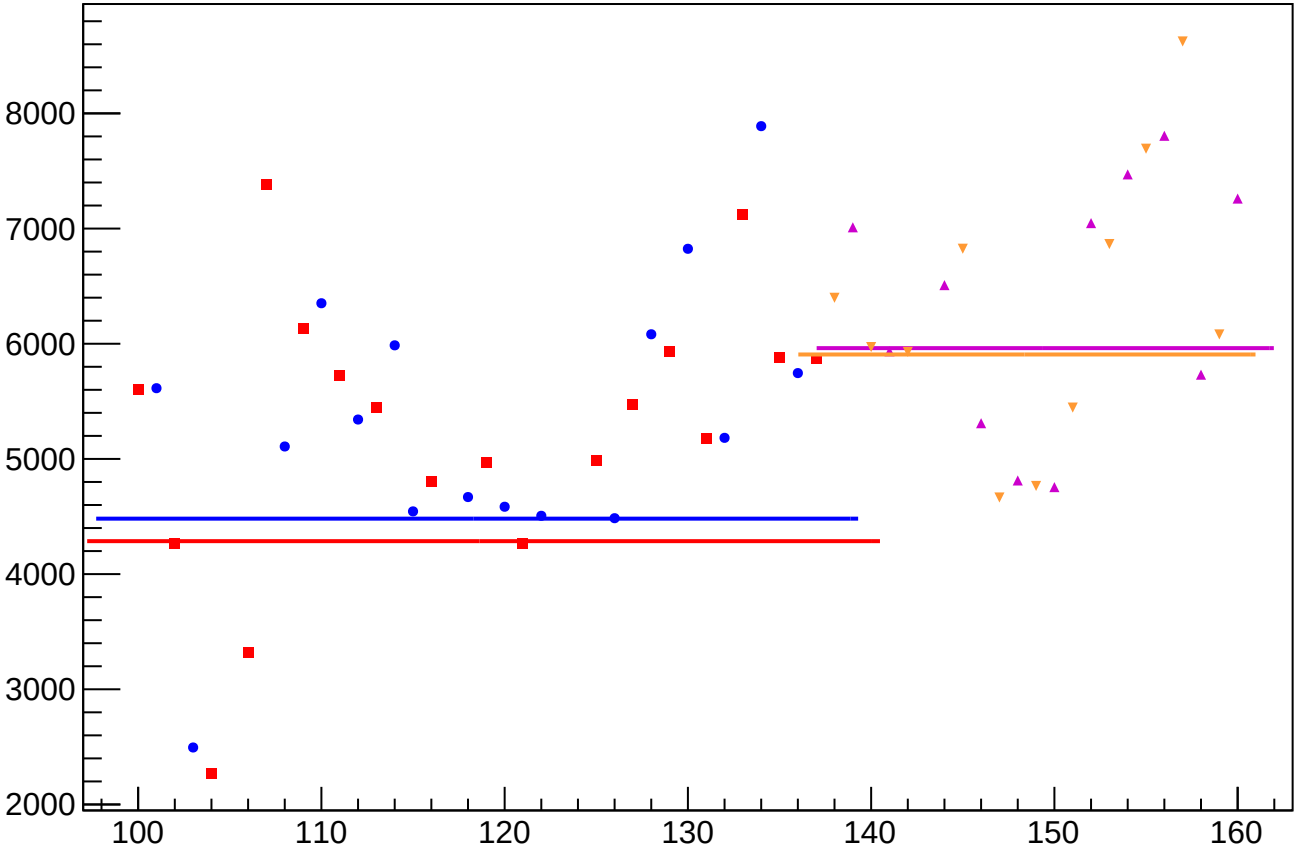
Left In: -1763.743+/-1963.413 χ^2/NDF:5.4/10

+ sign -860.555+/-1332.741 χ^2/NDF: 34.0/26

All: -783.779+/-925.516 χ^2/NDF: 55.5/55

- sign -712.266+/-1286.253 χ^2/NDF: 21.5/28

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5906.810+/-1.445 χ^2/NDF:544519.5/10

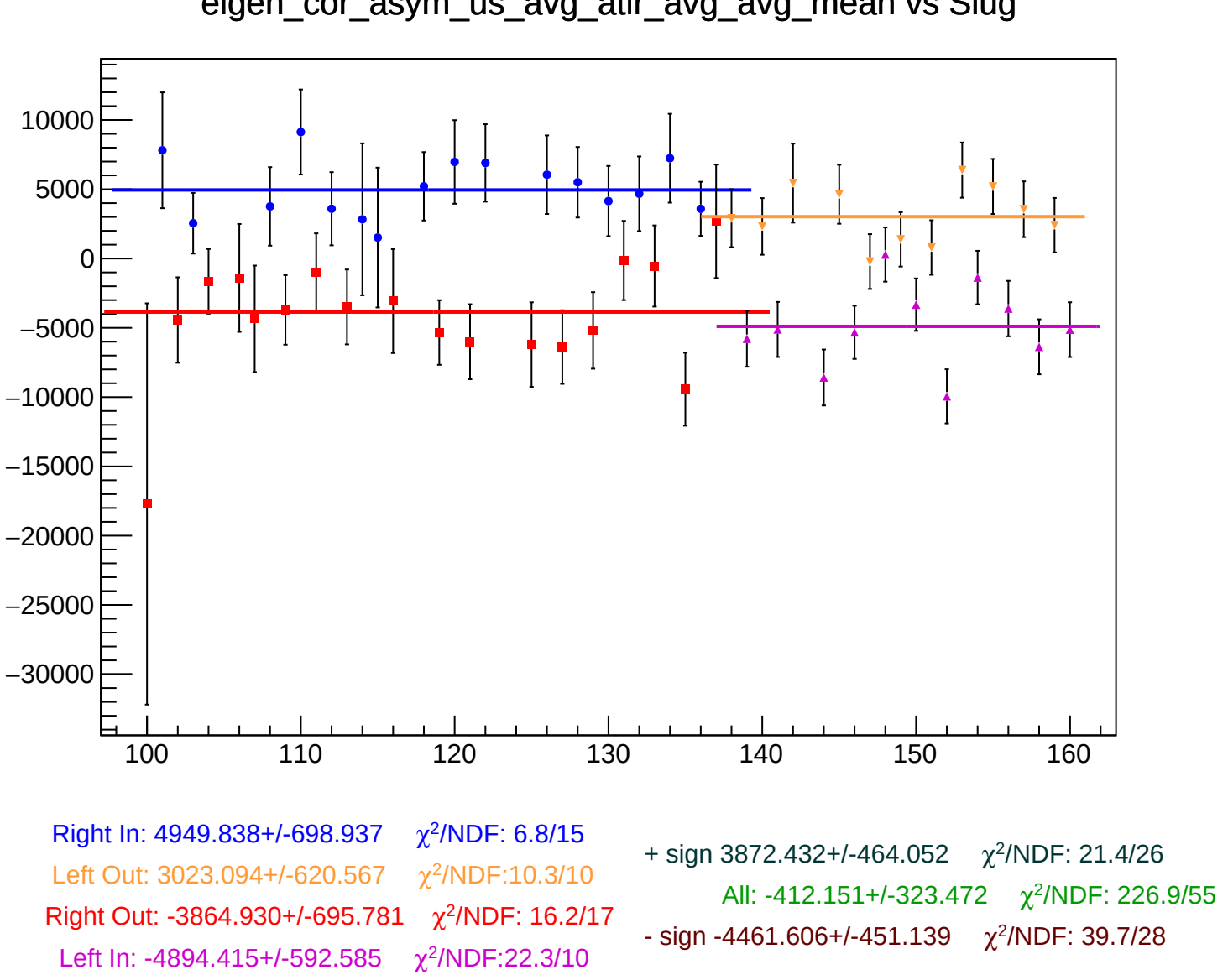
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5961.903+/-1.388 χ^2/NDF:546866.8/10

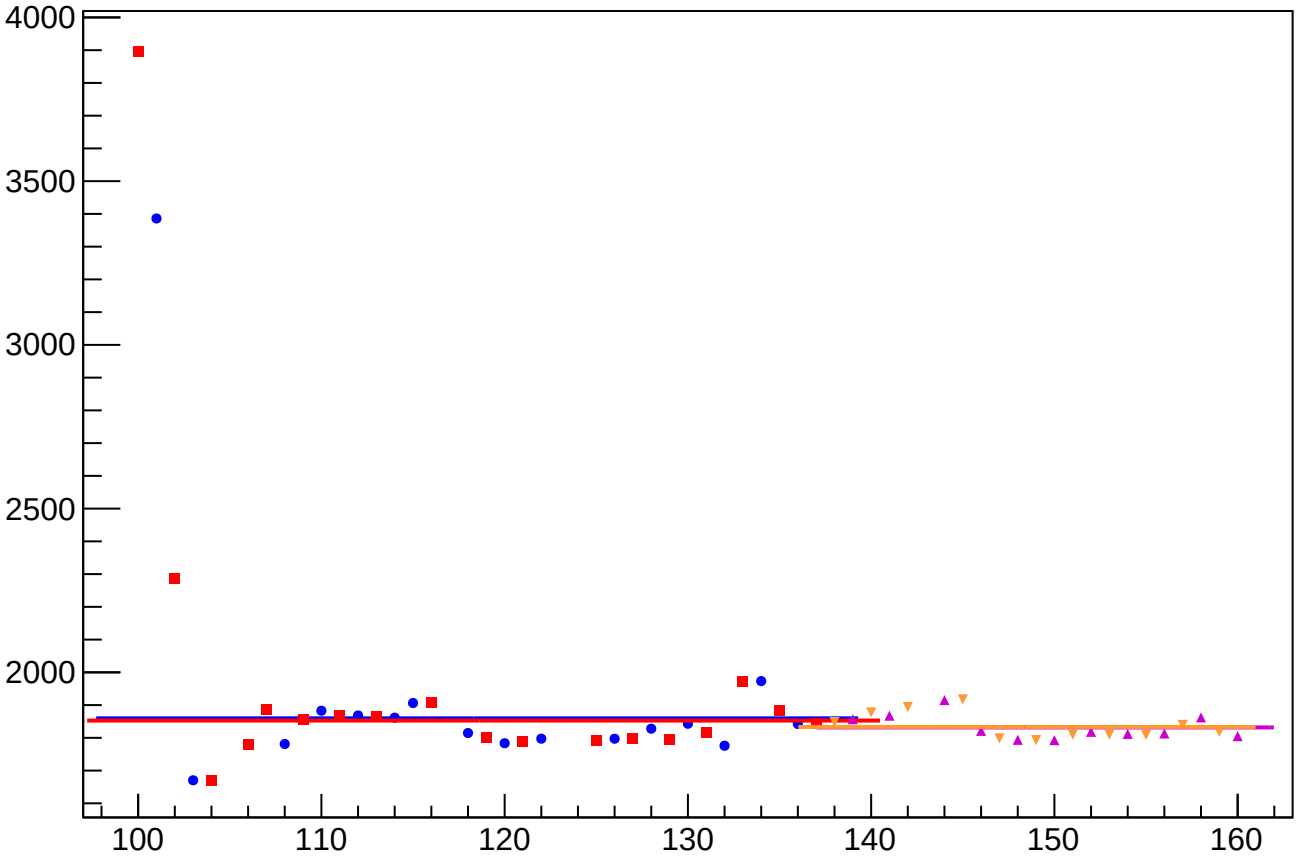
+ sign 5087.556+/-0.942 χ^2/NDF: 2465832.6/26

All: 5044.978+/-0.654 χ^2/NDF: 5398155.9/55

- sign 5005.318+/-0.910 χ^2/NDF: 2928380.6/28


eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: 4949.838+/-698.937 χ²/NDF: 6.8/15
Left Out: 3023.094+/-620.567 χ²/NDF:10.3/10
Right Out: -3864.930+/-695.781 χ²/NDF: 16.2/17
Left In: -4894.415+/-592.585 χ²/NDF:22.3/10
+ sign 3872.432+/-464.052 χ²/NDF: 21.4/26
All: -412.151+/-323.472 χ²/NDF: 226.9/55
- sign -4461.606+/-451.139 χ²/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: 1833.337+/-0.439 χ^2/NDF:7544.2/10

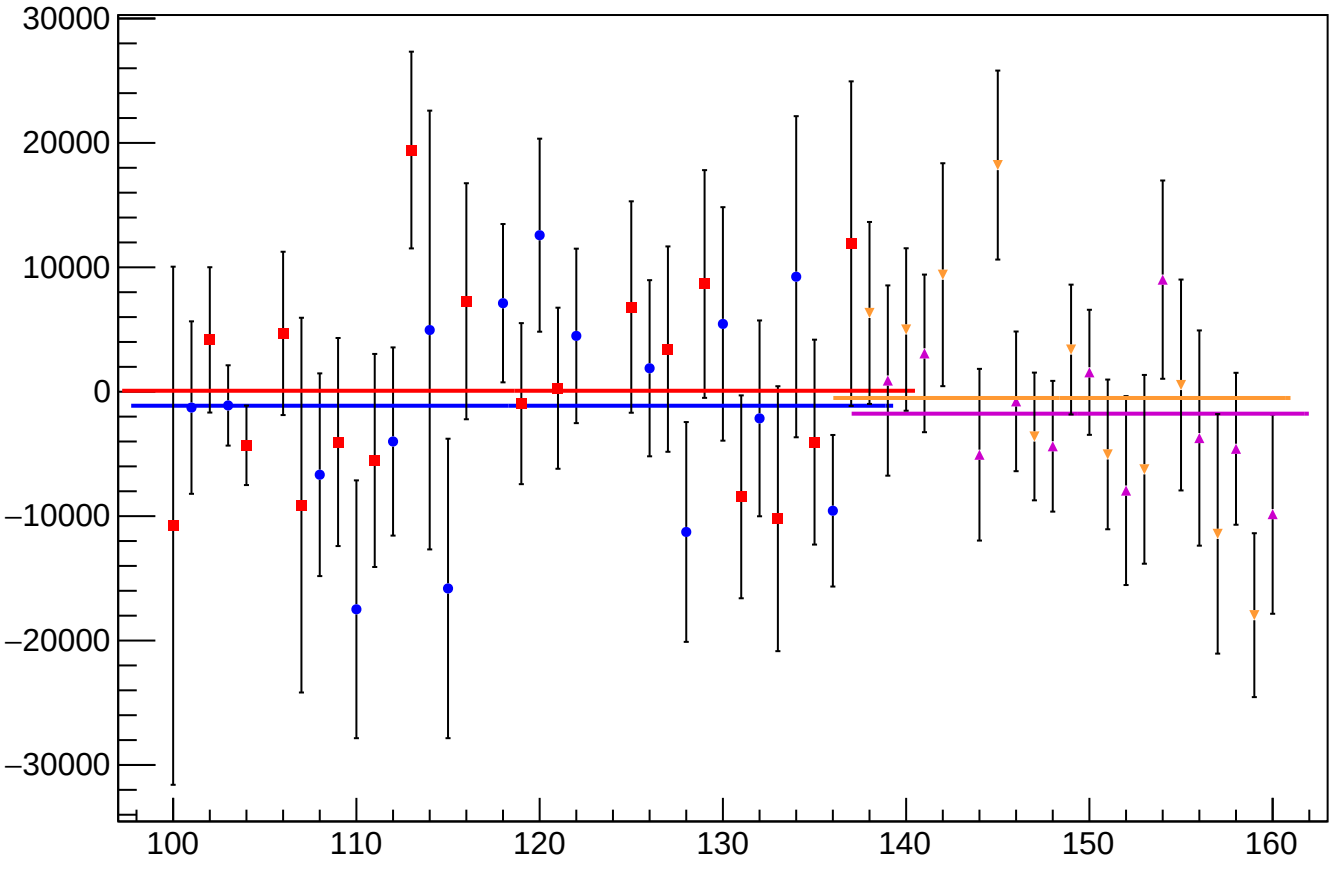
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1831.721+/-0.419 χ^2/NDF:7344.4/10

+ sign 1844.874+/-0.328 χ^2/NDF: 301448.9/26

All: 1842.673+/-0.229 χ^2/NDF: 411695.4/55

- 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: -502.305+/-2043.845 χ^2/NDF:19.3/10

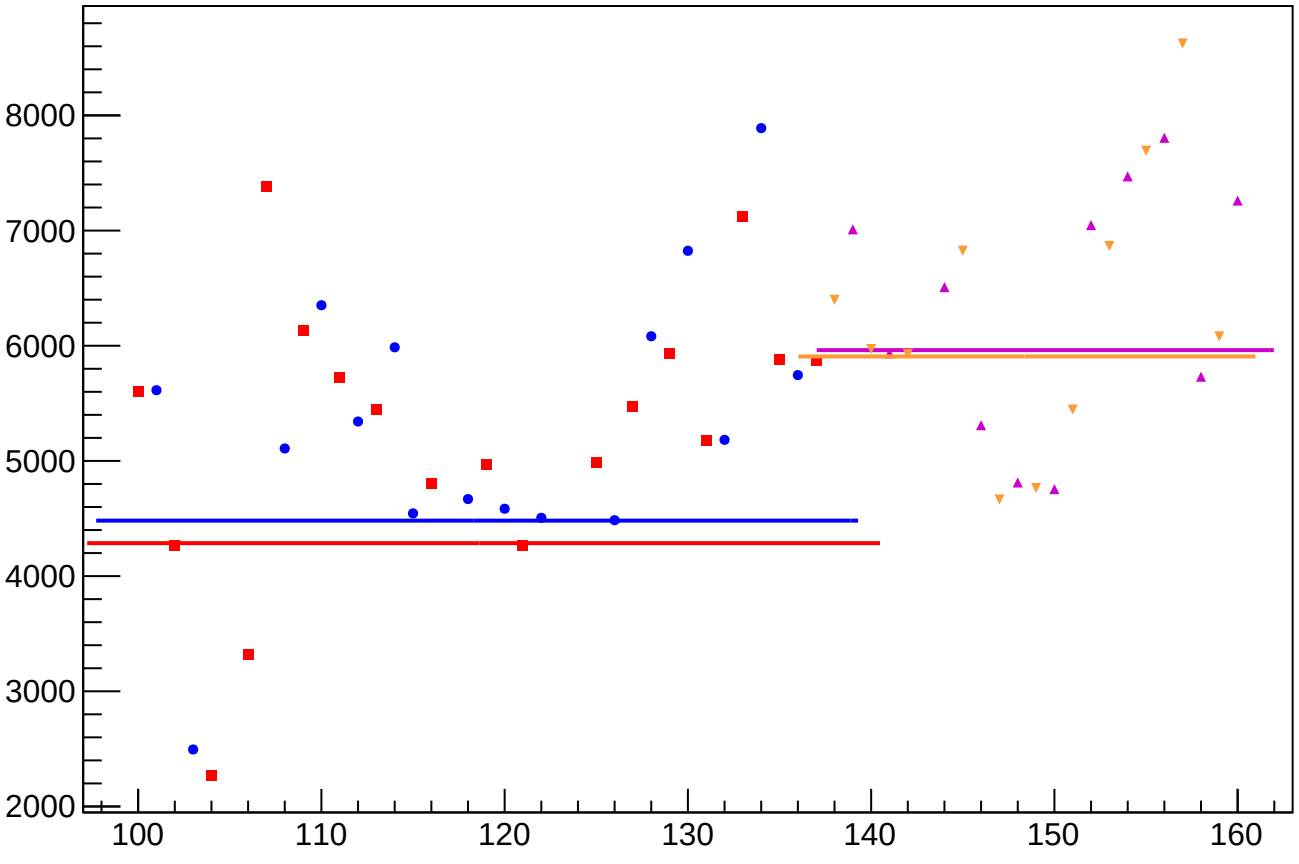
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -1763.743+/-1963.413 χ^2/NDF:5.4/10

+ sign -860.555+/-1332.741 χ^2/NDF: 34.0/26

All: -783.779+/-925.516 χ^2/NDF: 55.5/55

- 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: 5906.810+/-1.445 χ^2/NDF:544519.5/10

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

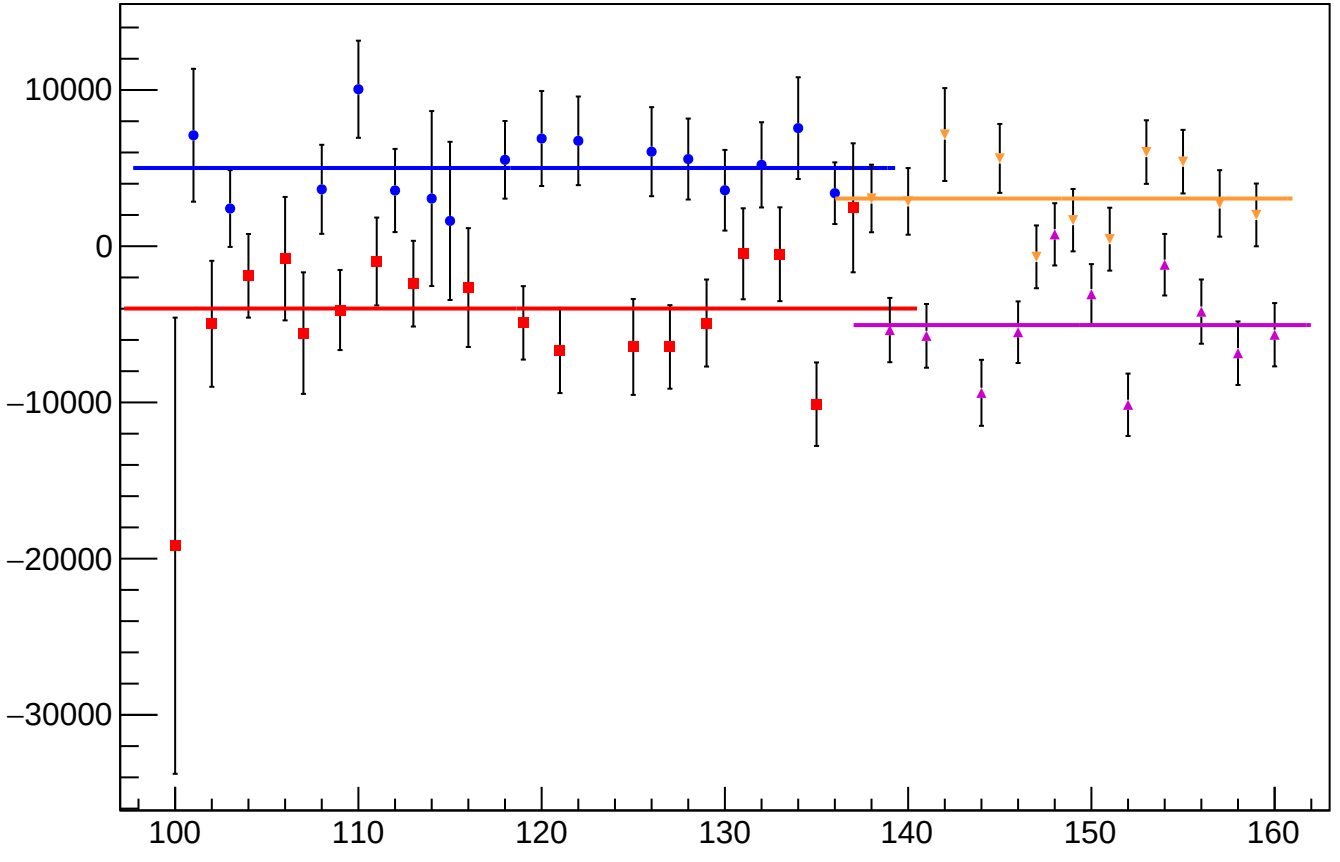
Left In: 5961.903+/-1.388 χ^2/NDF:546866.8/10

+ sign 5087.556+/-0.942 χ^2/NDF: 2465832.6/26

All: 5044.978+/-0.654 χ^2/NDF: 5398155.9/55

- 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: 3051.841+/-639.071 χ^2/NDF:12.6/10

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

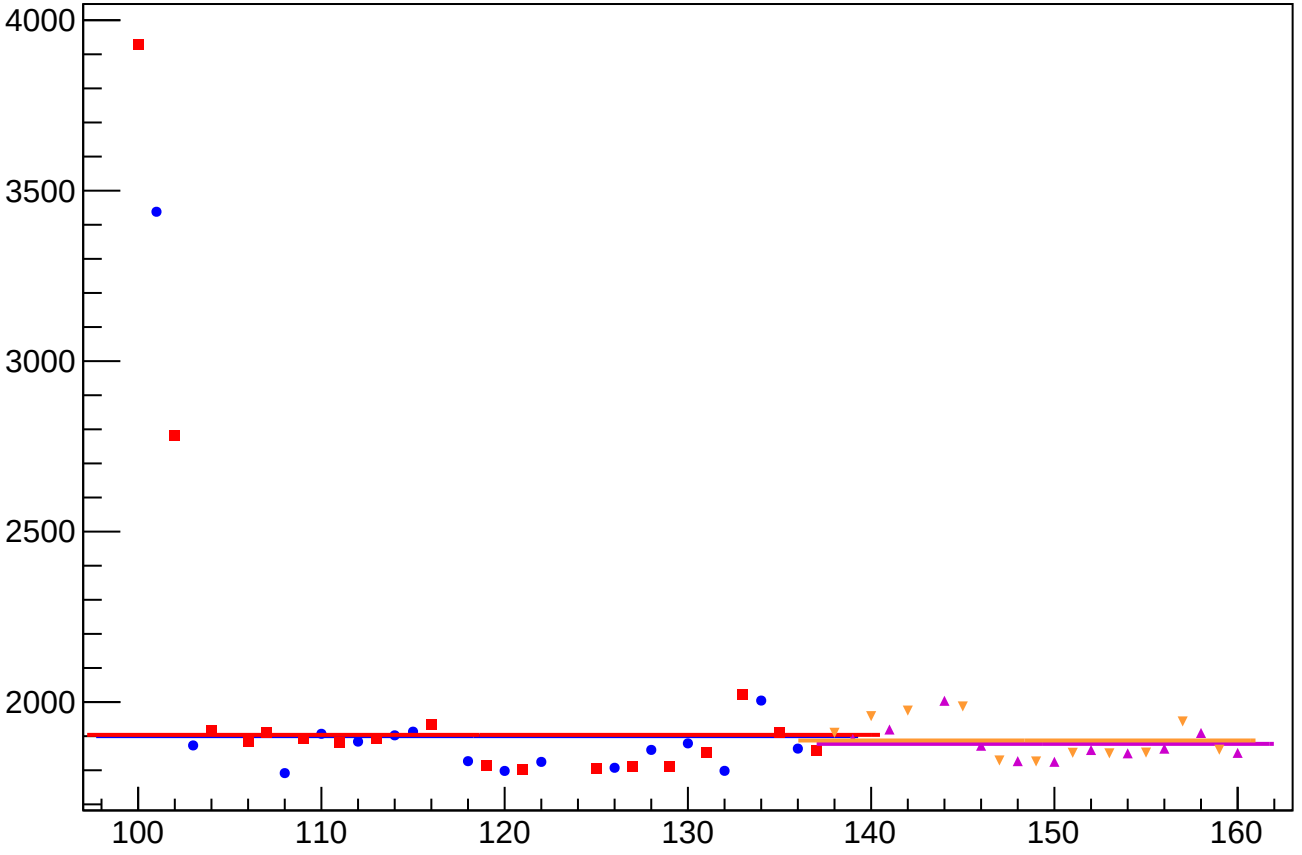
Left In: -5048.038+/-607.497 χ^2/NDF:25.4/10

+ sign 3921.538+/-476.205 χ^2/NDF: 24.5/26

All: -453.025+/-332.345 χ^2/NDF: 233.0/55

- 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: 1887.341+/-0.452 χ^2/NDF:15565.3/10

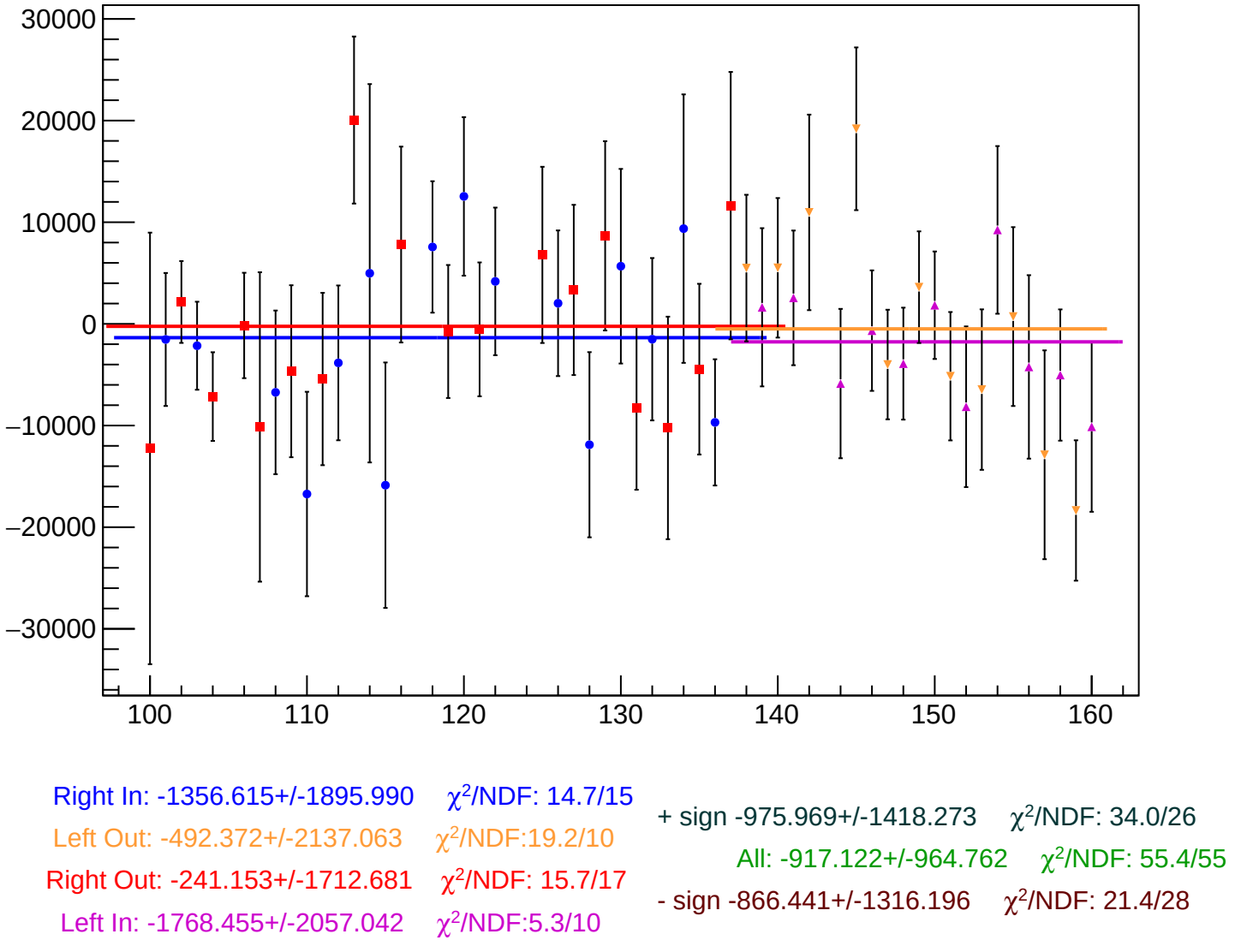
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

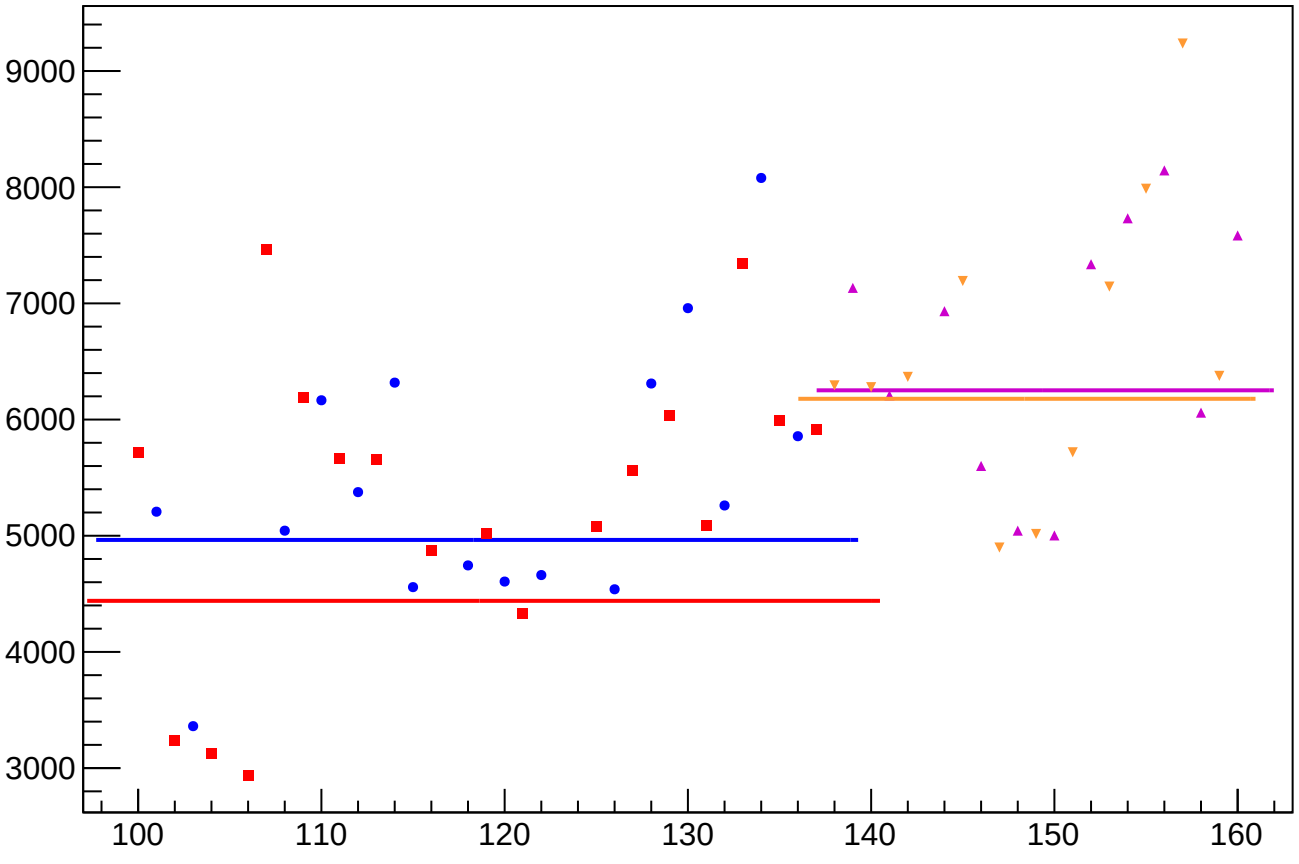
Left In: 1877.423+/-0.430 χ^2/NDF:12395.0/10

+ sign 1893.021+/-0.337 χ^2/NDF: 294368.7/26

All: 1890.667+/-0.235 χ^2/NDF: 458550.4/55

- sign 1888.435+/-0.328 χ^2/NDF: 164086.5/28


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1356.615+/-1895.990 χ²/NDF: 14.7/15
Left Out: -492.372+/-2137.063 χ²/NDF:19.2/10
Right Out: -241.153+/-1712.681 χ²/NDF: 15.7/17
Left In: -1768.455+/-2057.042 χ²/NDF:5.3/10
+ sign -975.969+/-1418.273 χ²/NDF: 34.0/26
All: -917.122+/-964.762 χ²/NDF: 55.4/55
- sign -866.441+/-1316.196 χ²/NDF: 21.4/28



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6178.713+/-1.511 χ^2/NDF:540316.3/10

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

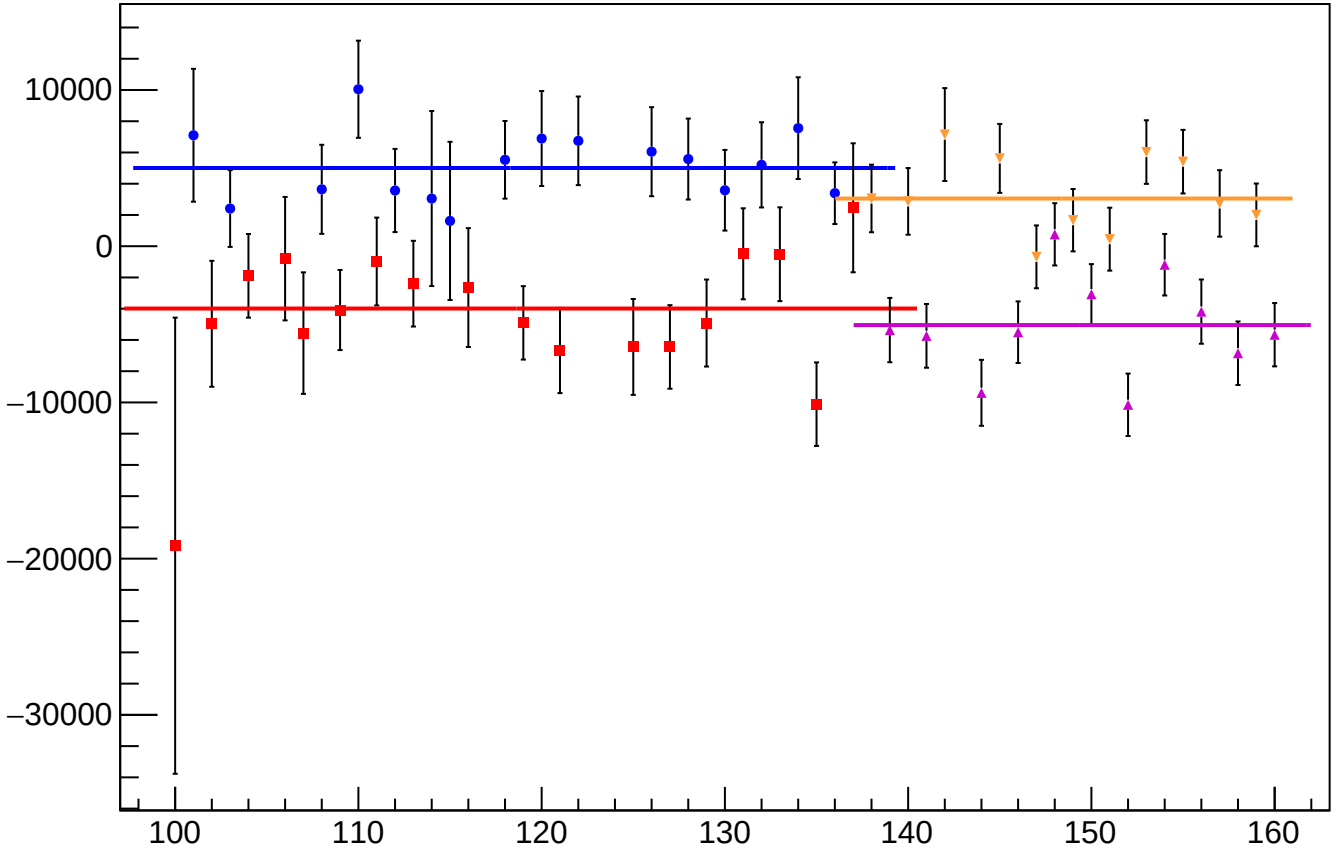
Left In: 6251.706+/-1.455 χ^2/NDF:517627.9/10

+ sign 5499.005+/-1.003 χ^2/NDF: 1529262.7/26

All: 5328.434+/-0.682 χ^2/NDF: 4175808.9/55

- sign 5181.533+/-0.931 χ^2/NDF: 2592704.3/28

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3051.834+/-639.072 χ^2/NDF:12.6/10

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

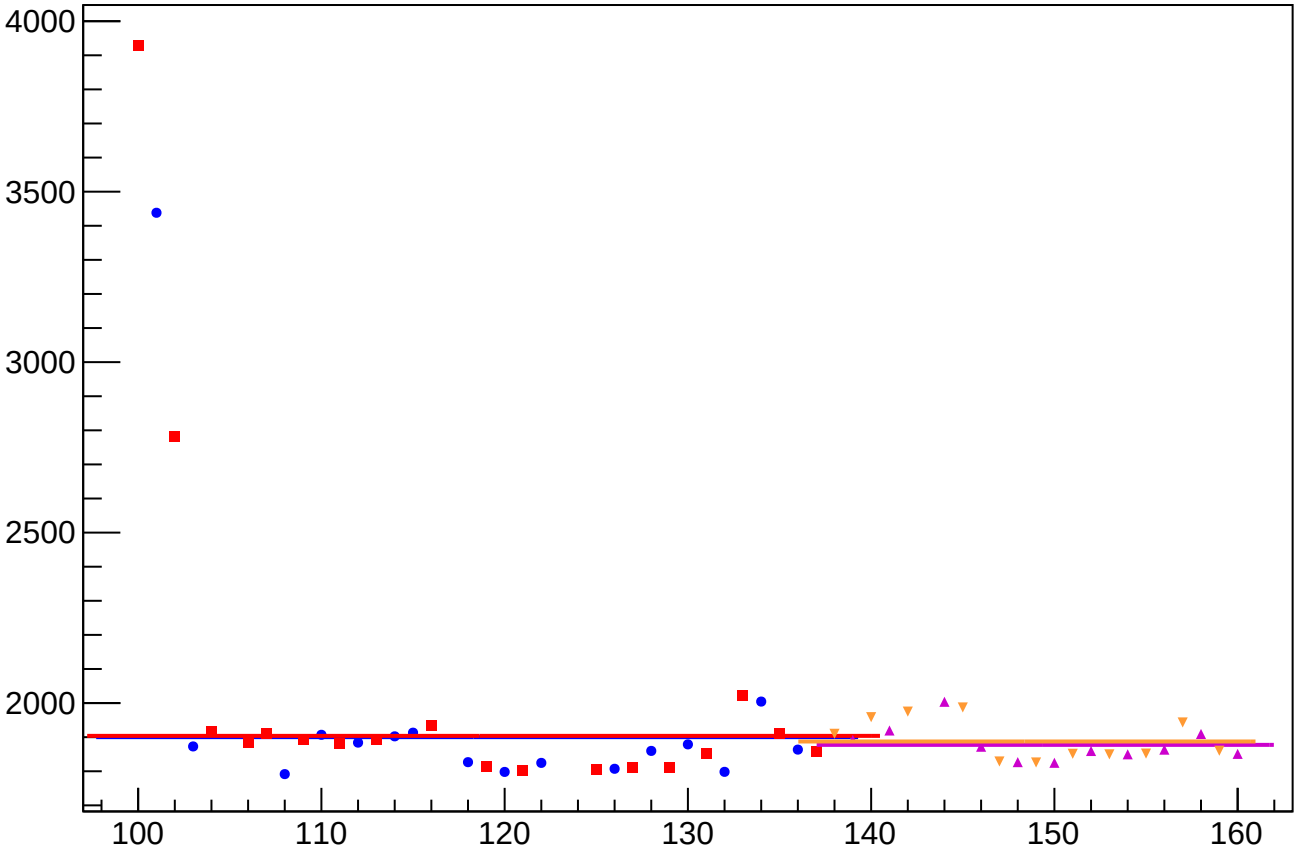
Left In: -5048.040+/-607.497 χ^2/NDF:25.4/10

+ sign 3921.535+/-476.205 χ^2/NDF: 24.5/26

All: -453.026+/-332.345 χ^2/NDF: 233.0/55

- 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: 1887.342+/-0.452 χ^2/NDF:15565.5/10

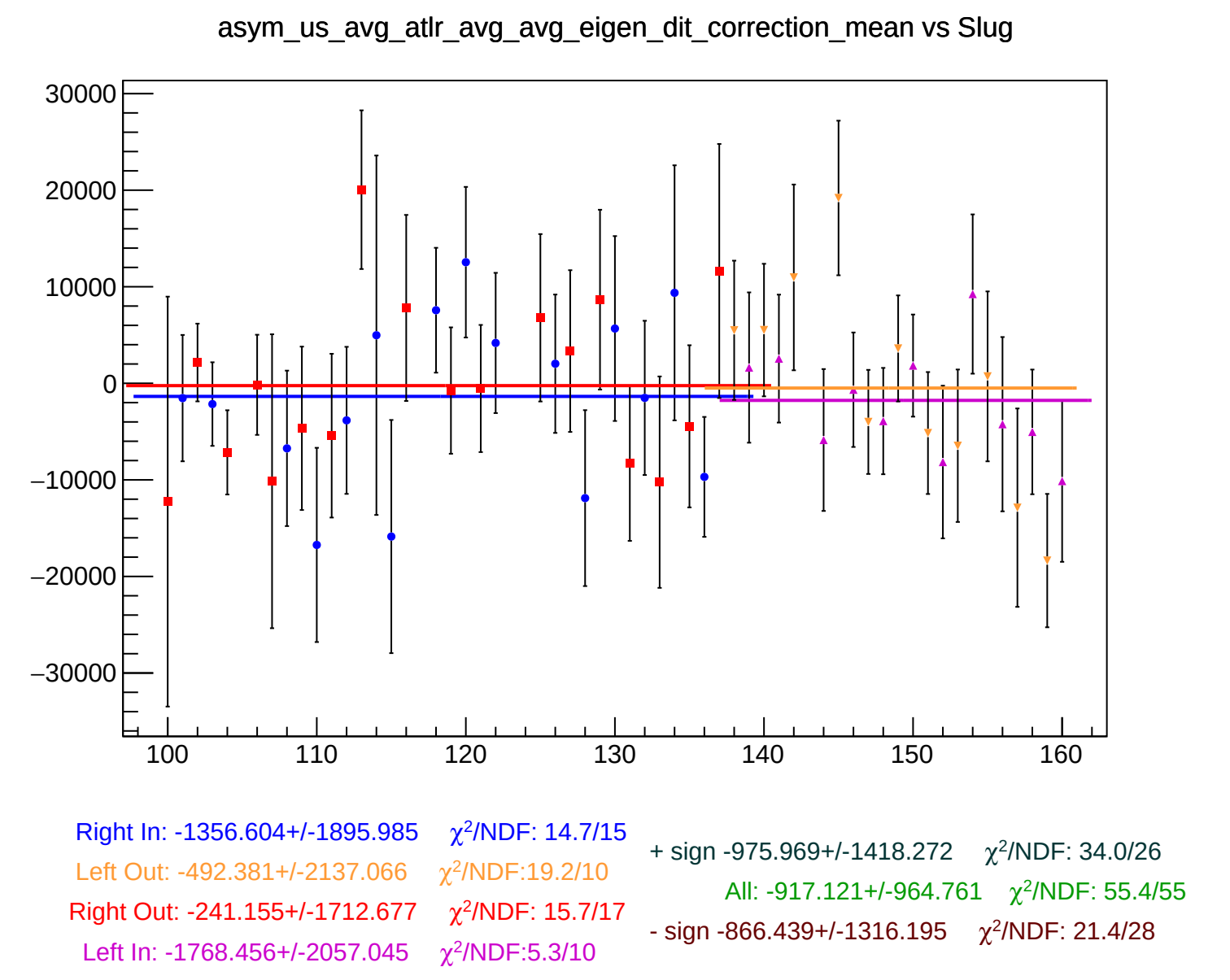
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

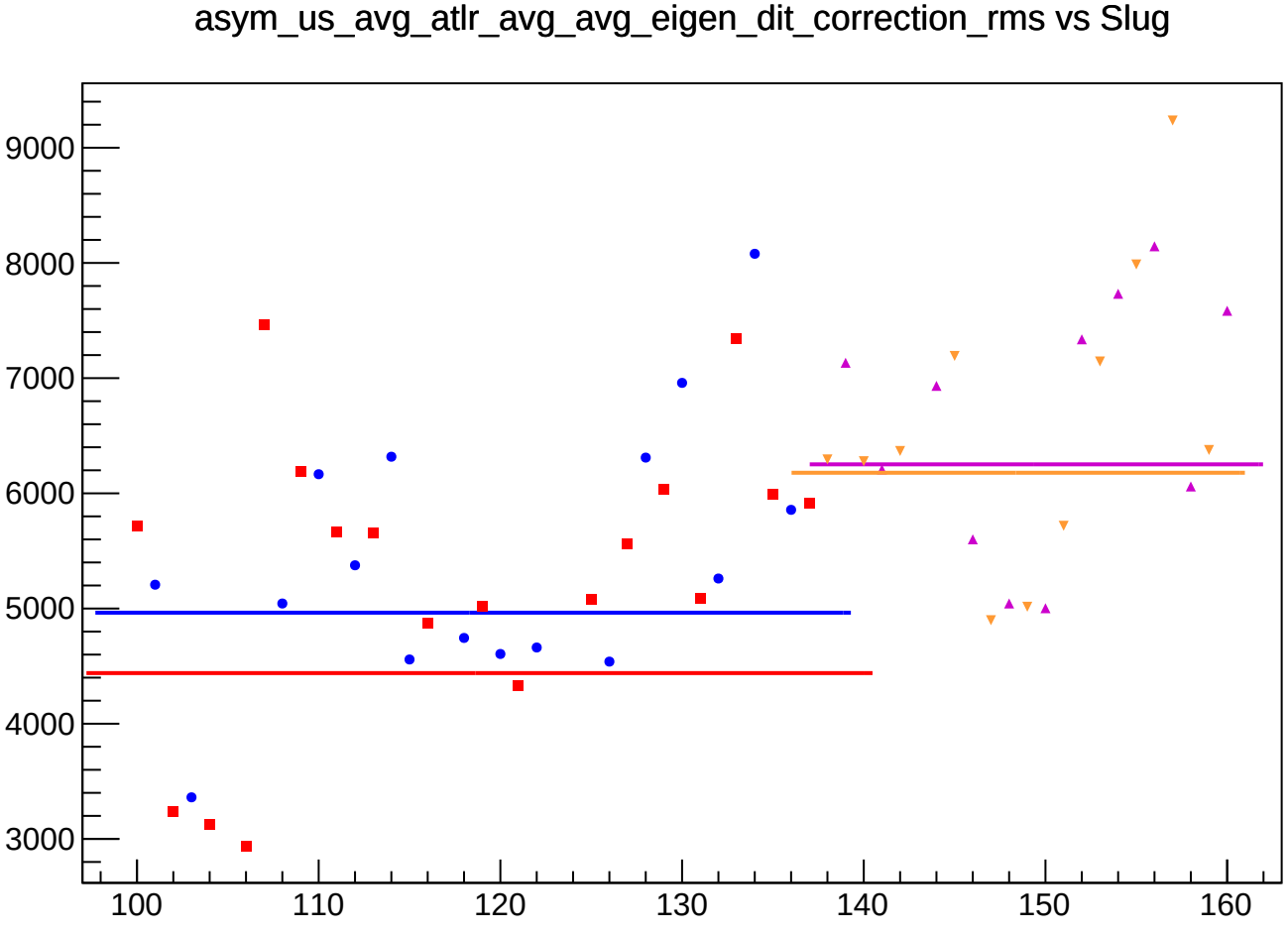
Left In: 1877.424+/-0.430 χ^2/NDF:12395.1/10

+ sign 1893.021+/-0.337 χ^2/NDF: 294369.1/26

All: 1890.668+/-0.235 χ^2/NDF: 458549.9/55

- sign 1888.435+/-0.328 χ^2/NDF: 164085.7/28


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: -492.381+/-2137.066 χ²/NDF:19.2/10
Right Out: -241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: -1768.456+/-2057.045 χ²/NDF:5.3/10
+ sign -975.969+/-1418.272 χ²/NDF: 34.0/26
All: -917.121+/-964.761 χ²/NDF: 55.4/55
- sign -866.439+/-1316.195 χ²/NDF: 21.4/28



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6178.721+/-1.511 χ^2/NDF:540317.7/10

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

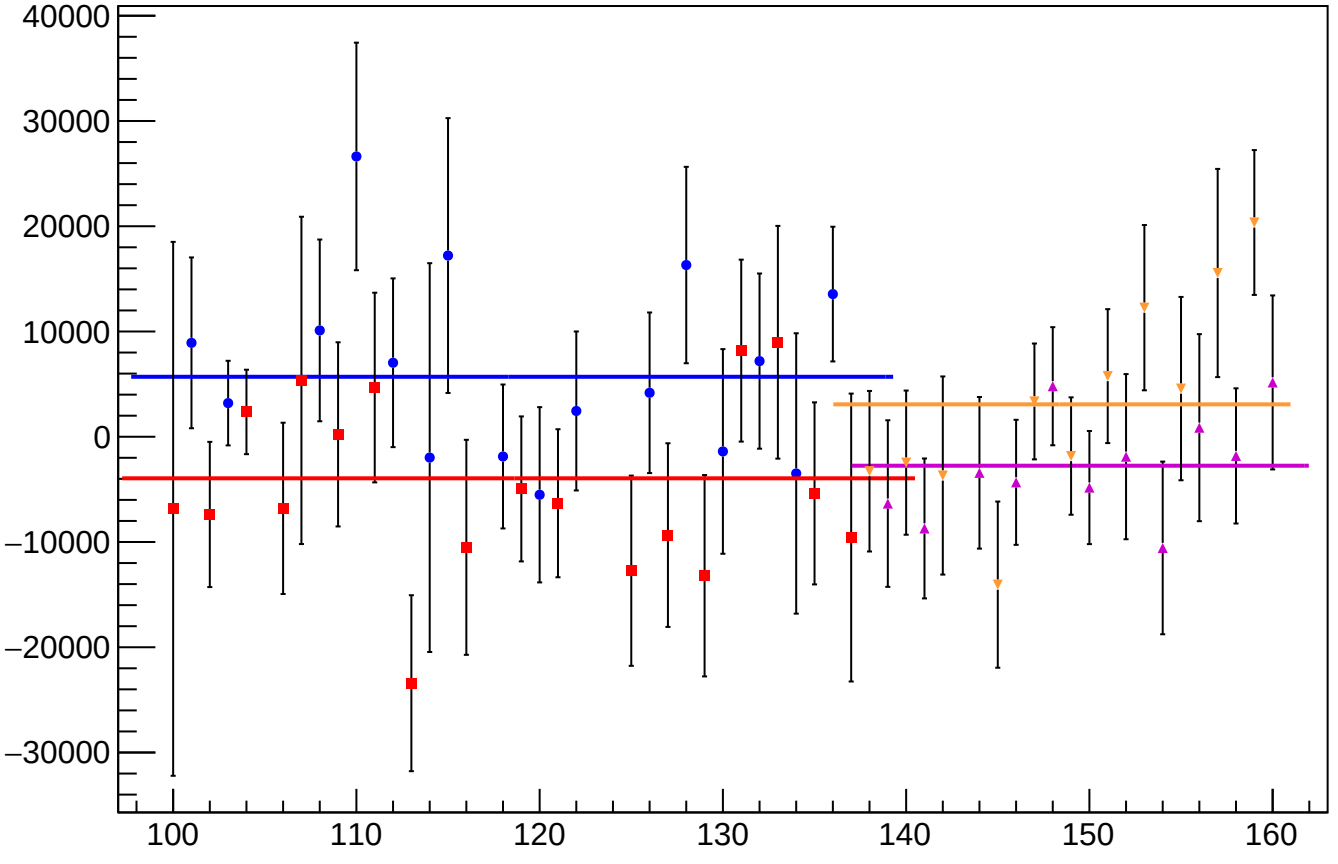
Left In: 6251.715+/-1.455 χ^2/NDF:517628.4/10

+ sign 5498.999+/-1.003 χ^2/NDF: 1529279.7/26

All: 5328.428+/-0.682 χ^2/NDF: 4175847.1/55

- 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: 3079.214+/-2149.371 χ^2/NDF:16.8/10

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

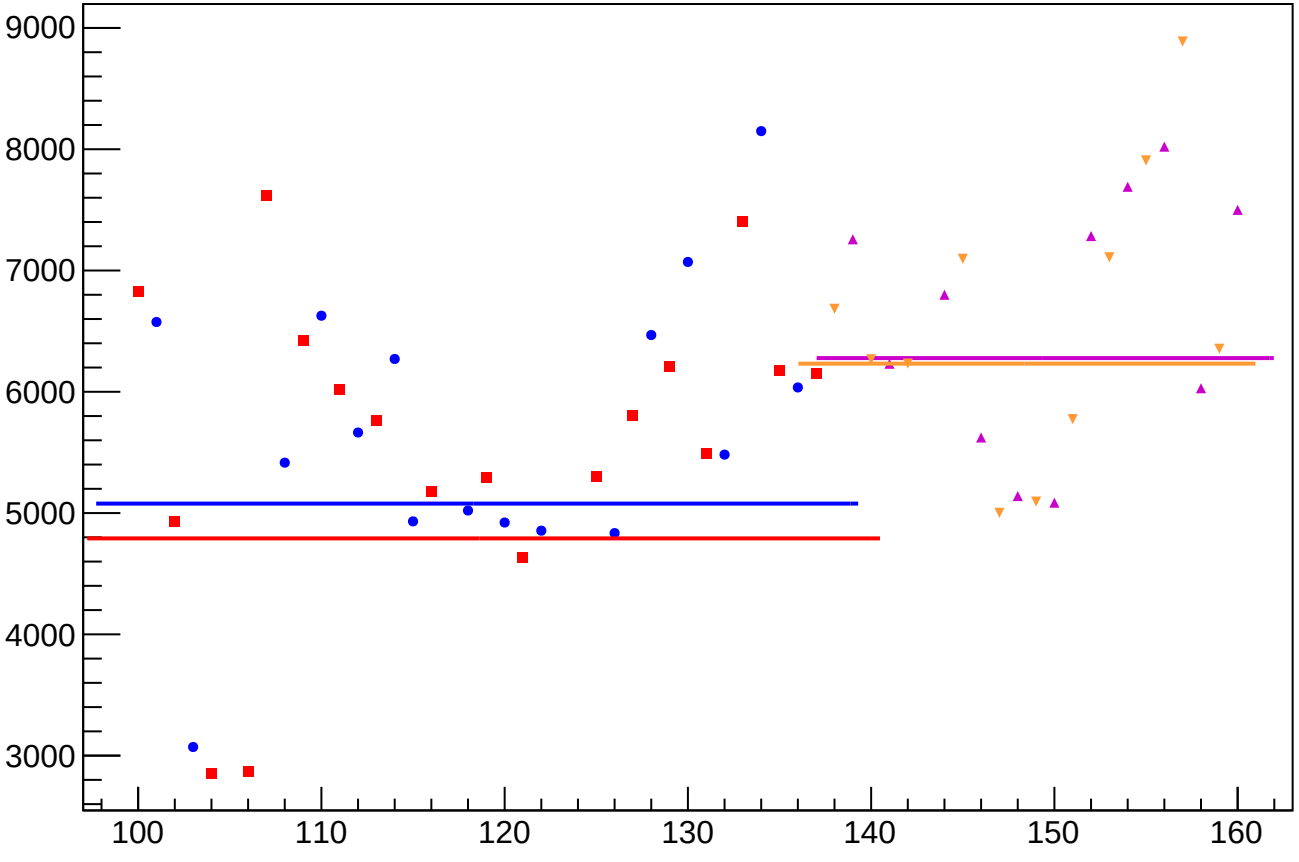
Left In: -2751.586+/-2061.679 χ^2/NDF:5.1/10

+ sign 4509.126+/-1447.943 χ^2/NDF: 30.3/26

All: 440.032+/-1008.433 χ^2/NDF: 67.0/55

- 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: 6232.143+/-1.520 χ^2/NDF:468391.2/10

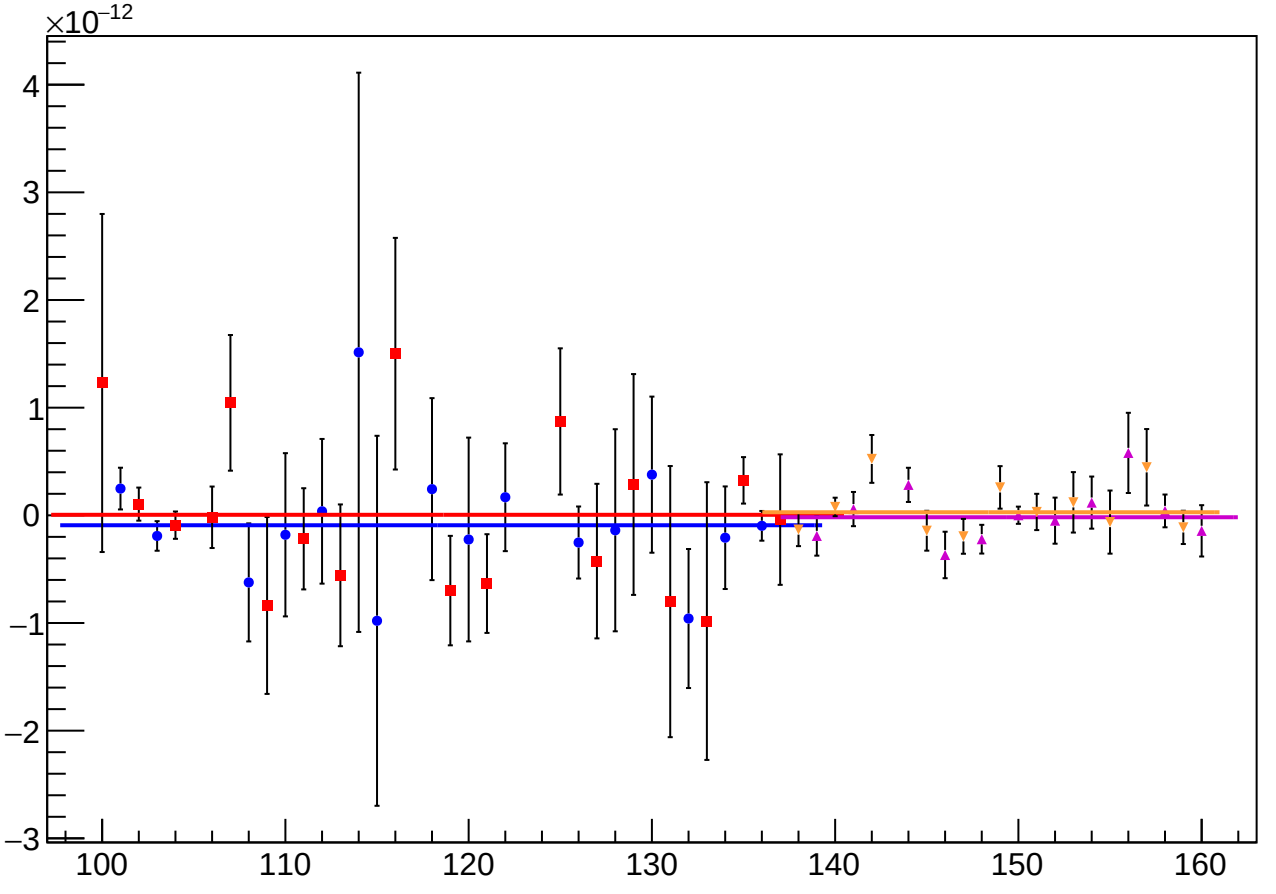
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6277.868+/-1.458 χ^2/NDF:462178.0/10

+ sign 5601.845+/-1.024 χ^2/NDF: 1702487.3/26

All: 5531.603+/-0.709 χ^2/NDF: 3903489.8/55

- 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:12.9/10

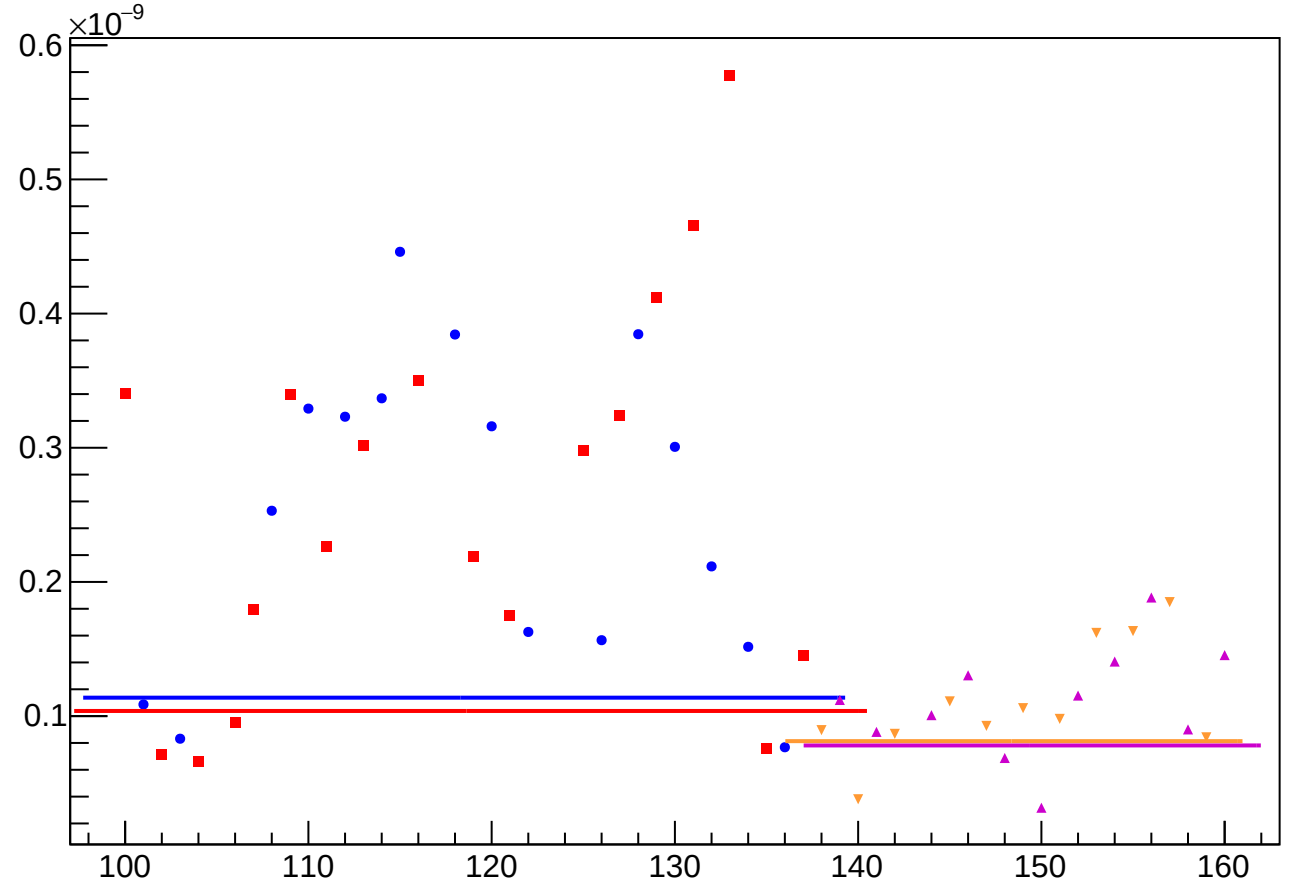
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:13.1/10

+ sign -0.000+/-0.000 χ^2/NDF: 22.8/26

All: -0.000+/-0.000 χ^2/NDF: 53.4/55

- 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:1120800.5/10

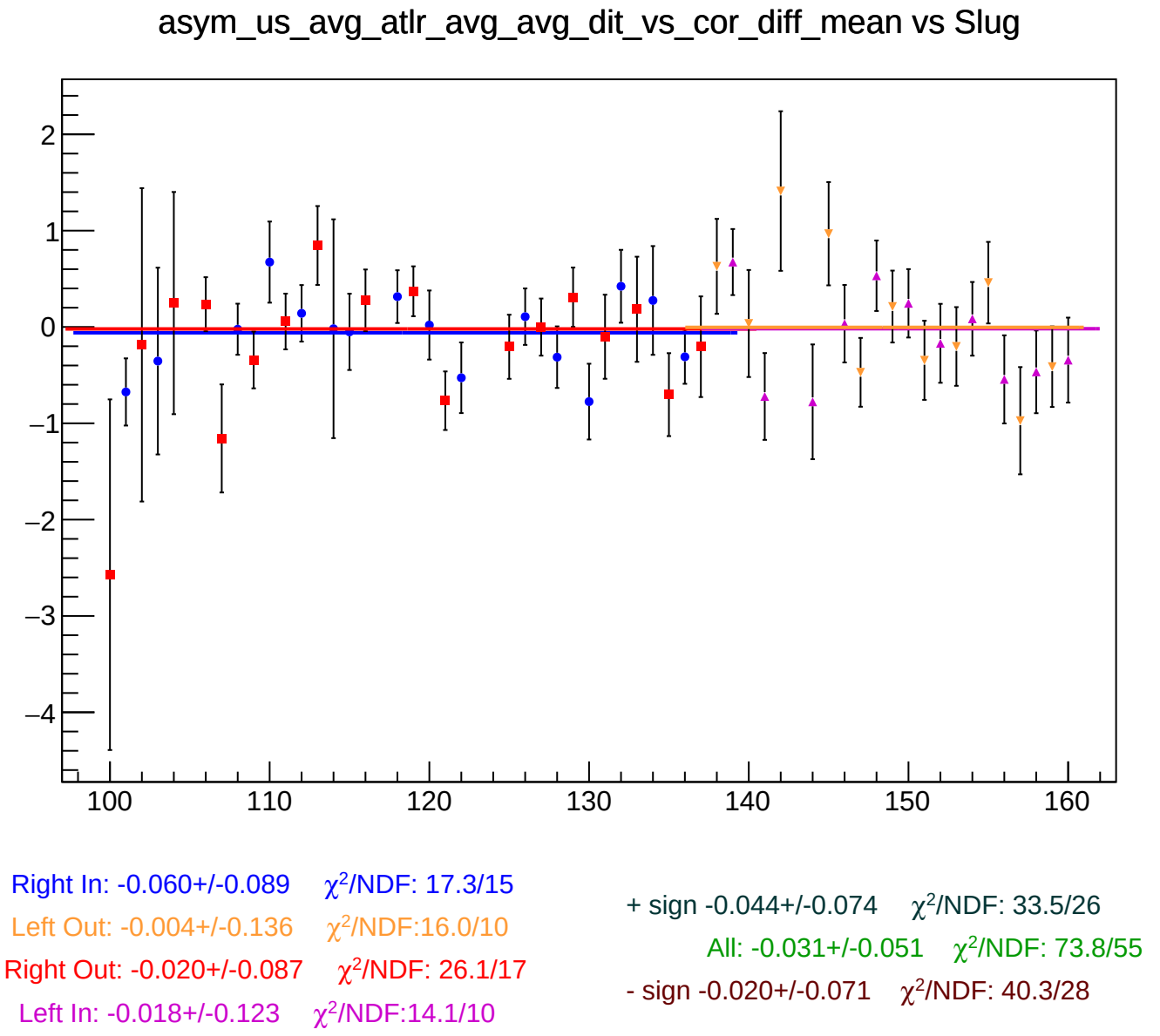
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

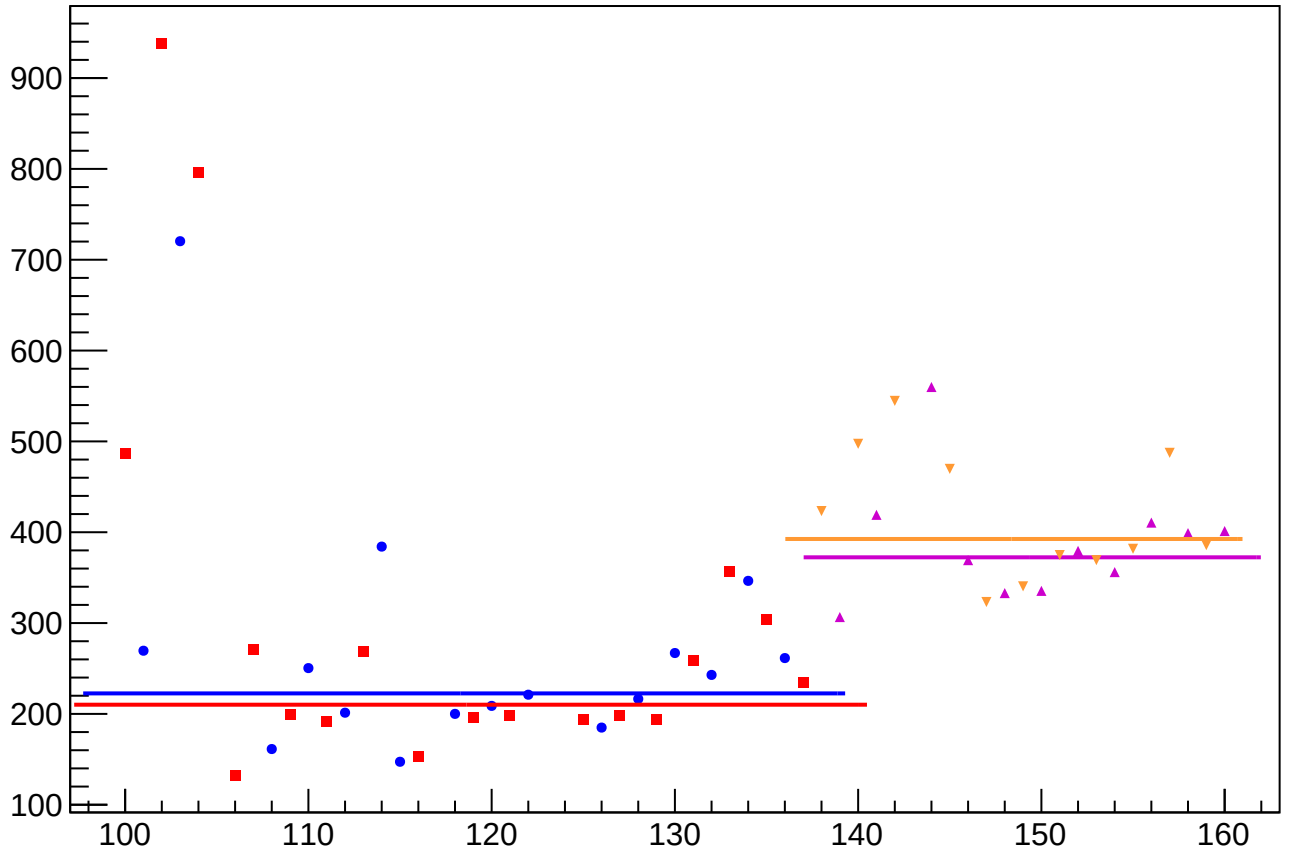
Left In: 0.000+/-0.000 χ^2/NDF:1460722.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 2891212.8/26

All: 0.000+/-0.000 χ^2/NDF: 6620123.0/55

- sign 0.000+/-0.000 χ^2/NDF: 3709836.1/28


asym_us_avg_atlr_avg_avg_dit_vs_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: -0.004+/-0.136 χ²/NDF:16.0/10
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: -0.018+/-0.123 χ²/NDF:14.1/10
+ sign -0.044+/-0.074 χ²/NDF: 33.5/26
All: -0.031+/-0.051 χ²/NDF: 73.8/55
- sign -0.020+/-0.071 χ²/NDF: 40.3/28



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 392.575+/-0.096 χ^2/NDF:372356.1/10

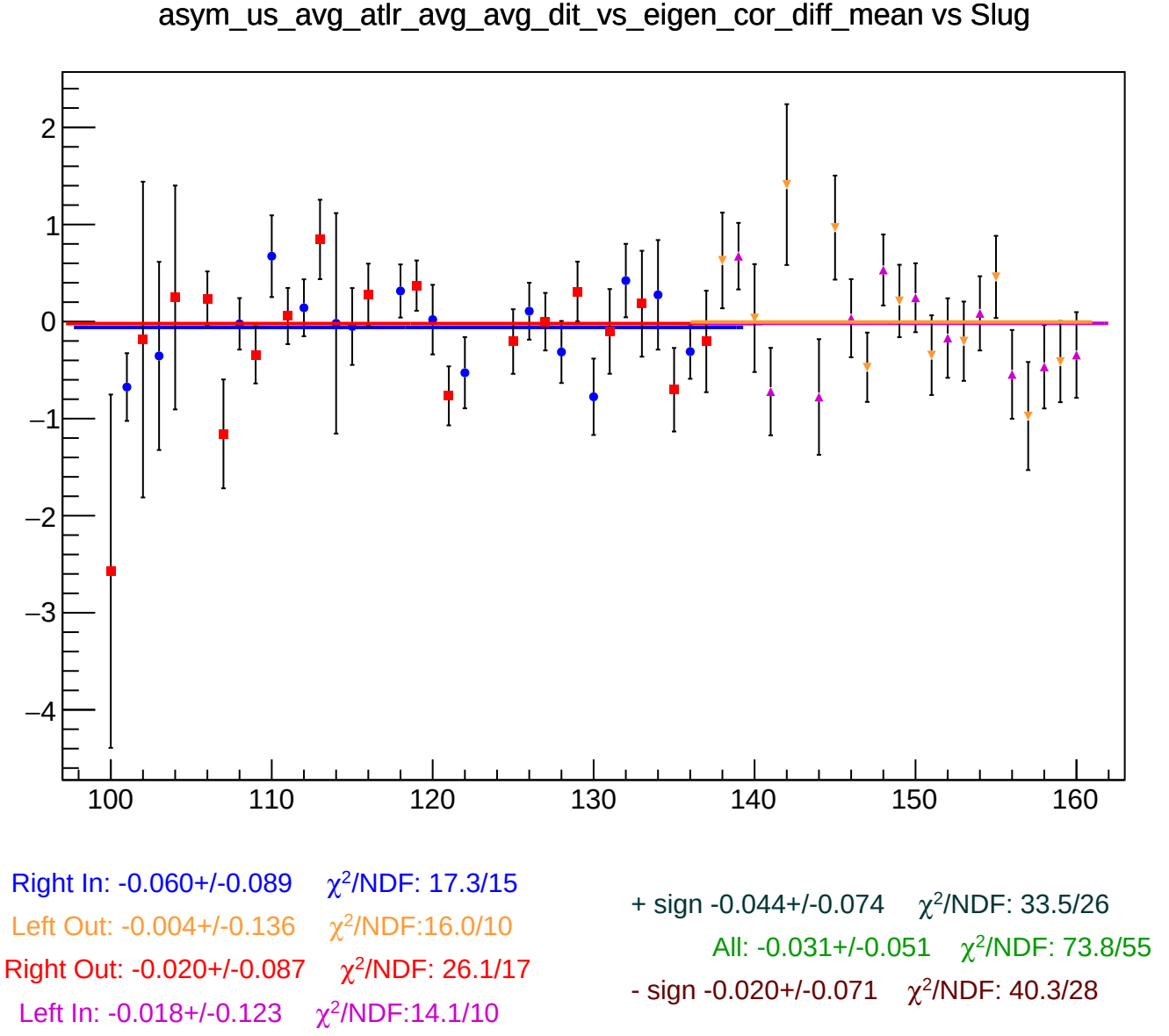
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

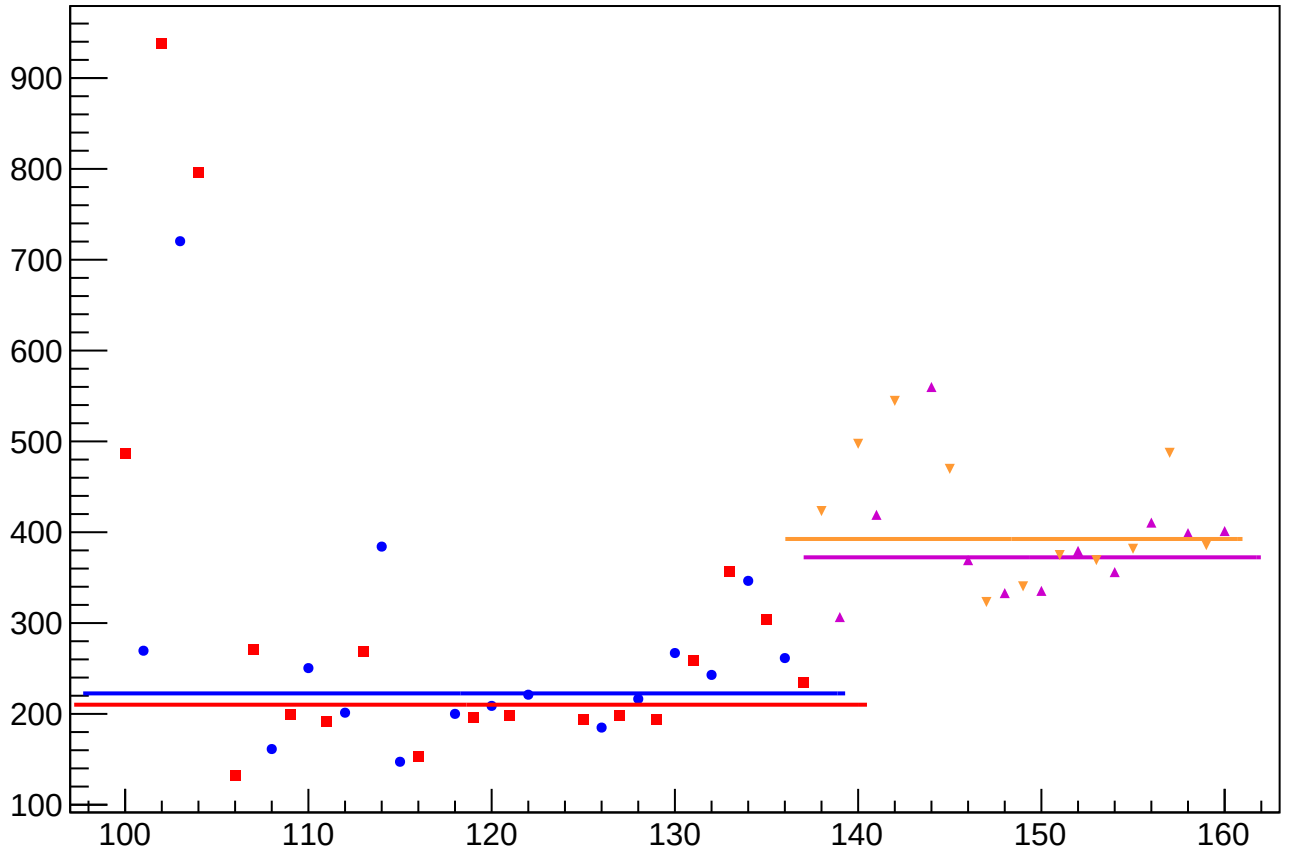
Left In: 372.382+/-0.087 χ^2/NDF:372664.9/10

+ sign 273.068+/-0.053 χ^2/NDF: 3575579.5/26

All: 268.616+/-0.036 χ^2/NDF: 7820056.2/55

- 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: -0.004+/-0.136 χ²/NDF:16.0/10
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: -0.018+/-0.123 χ²/NDF:14.1/10
+ sign -0.044+/-0.074 χ²/NDF: 33.5/26
All: -0.031+/-0.051 χ²/NDF: 73.8/55
- sign -0.020+/-0.071 χ²/NDF: 40.3/28



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 392.575+/-0.096 χ^2/NDF:372356.1/10

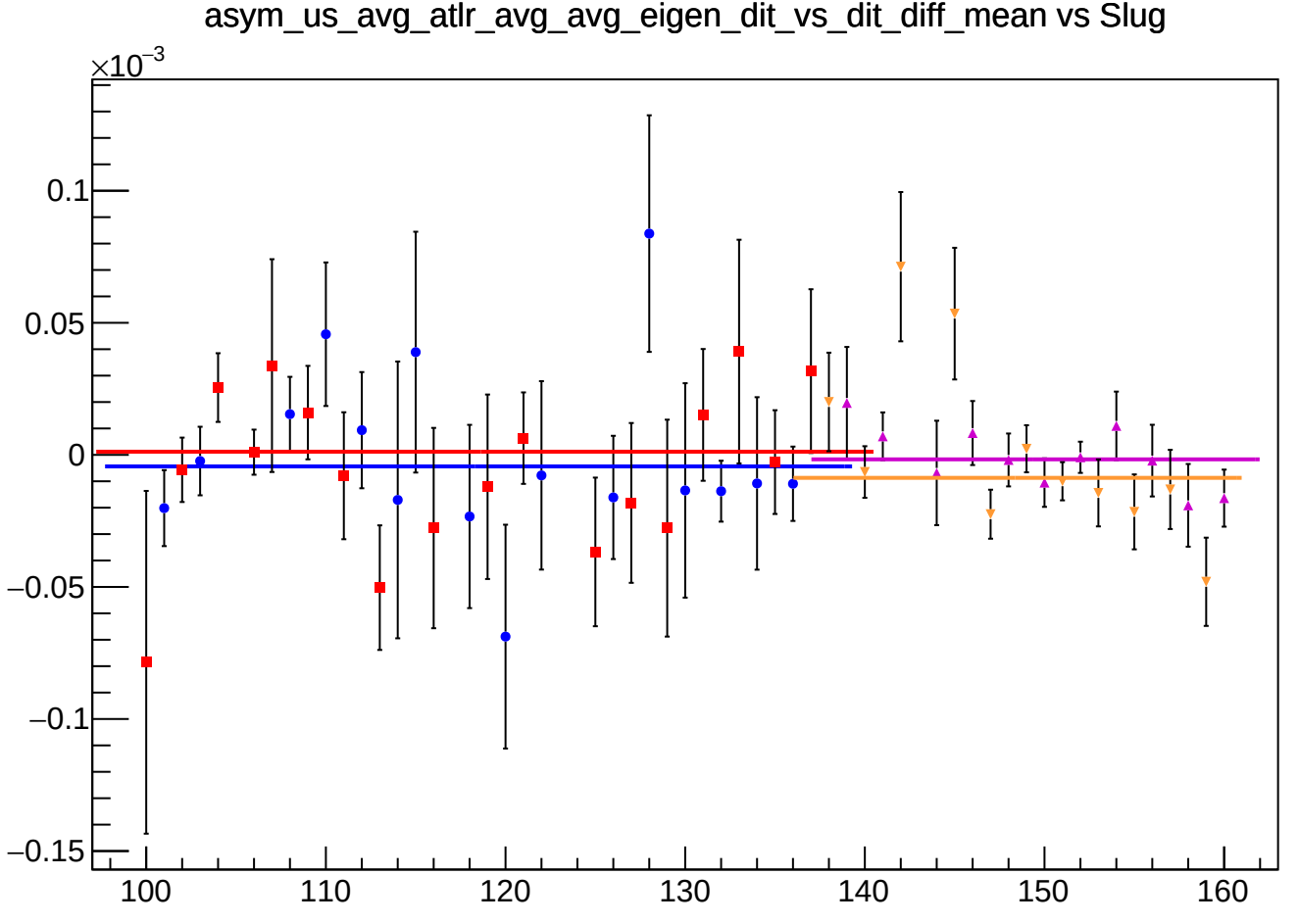
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 372.382+/-0.087 χ^2/NDF:372664.9/10

+ sign 273.068+/-0.053 χ^2/NDF: 3575579.5/26

All: 268.616+/-0.036 χ^2/NDF: 7820056.2/55

- 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:27.1/10

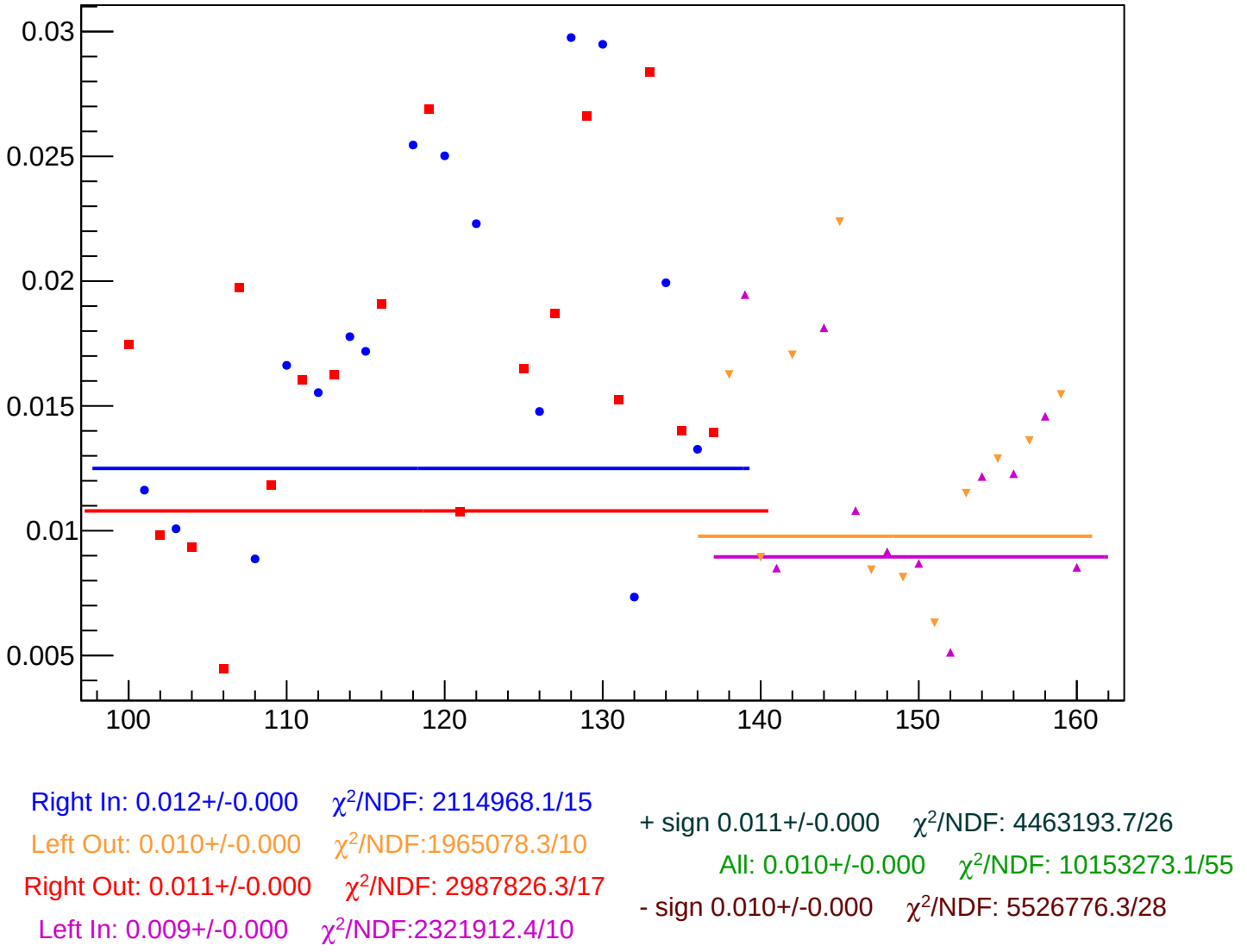
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

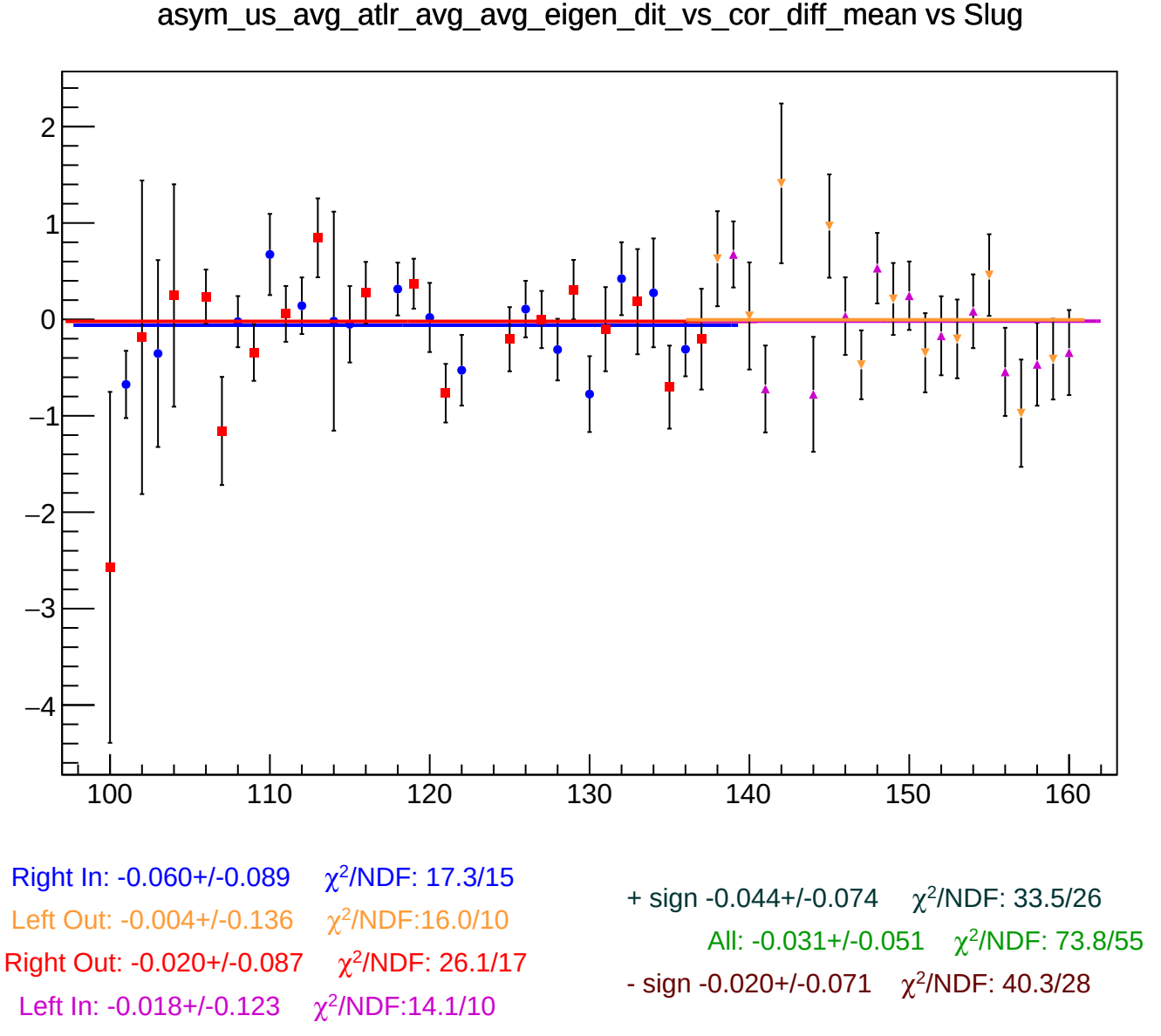
Left In: -0.000+/-0.000 χ^2/NDF:7.7/10

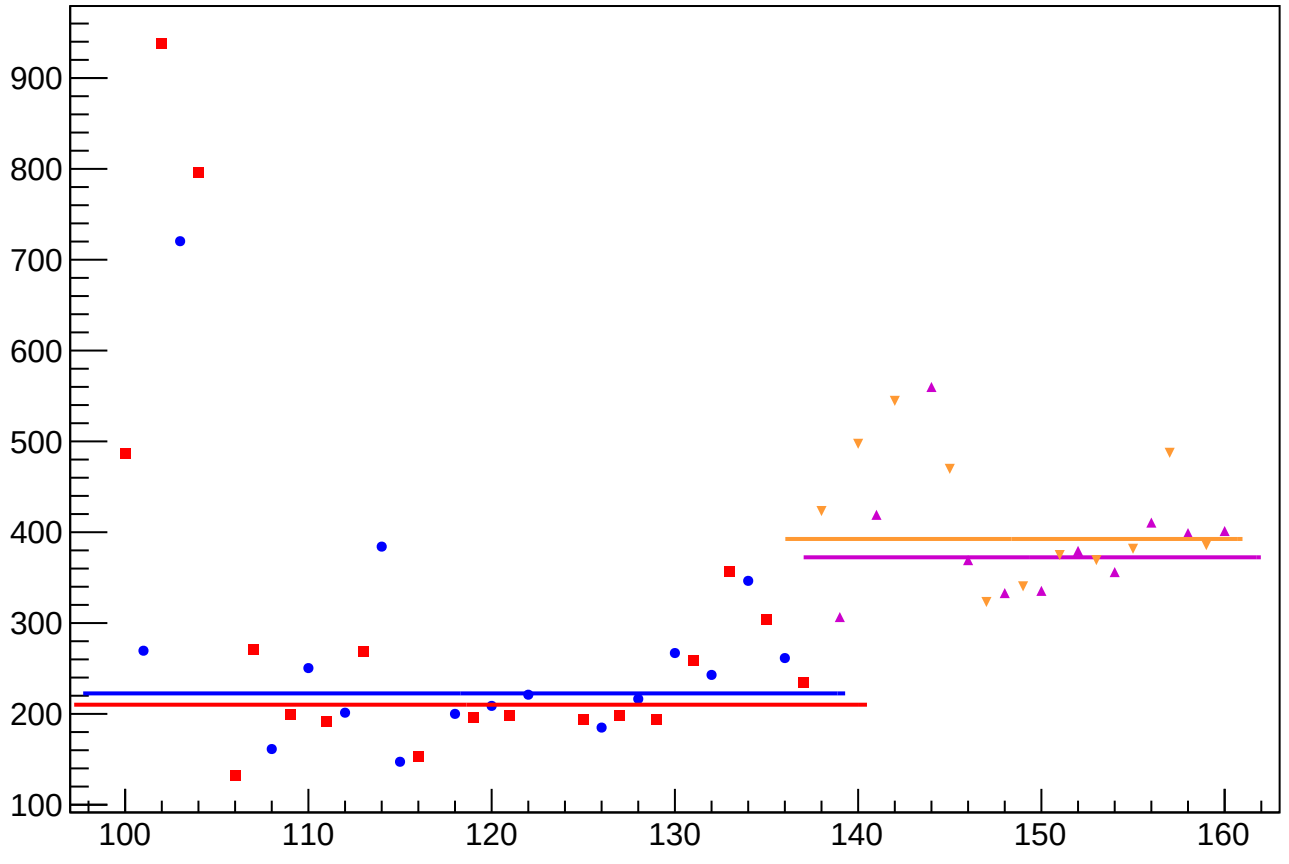
+ sign -0.000+/-0.000 χ^2/NDF: 43.2/26

All: -0.000+/-0.000 χ^2/NDF: 71.1/55

- 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: 0.010+/-0.000 χ²/NDF:1965078.3/10
Right Out: 0.011+/-0.000 χ²/NDF: 2987826.3/17
Left In: 0.009+/-0.000 χ²/NDF:2321912.4/10
+ sign 0.011+/-0.000 χ²/NDF: 4463193.7/26
All: 0.010+/-0.000 χ²/NDF: 10153273.1/55
- sign 0.010+/-0.000 χ²/NDF: 5526776.3/28


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.004+/-0.136 χ²/NDF:16.0/10
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: -0.018+/-0.123 χ²/NDF:14.1/10
+ sign -0.044+/-0.074 χ²/NDF: 33.5/26
All: -0.031+/-0.051 χ²/NDF: 73.8/55
- sign -0.020+/-0.071 χ²/NDF: 40.3/28



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 392.581+/-0.096 χ^2/NDF:372358.8/10

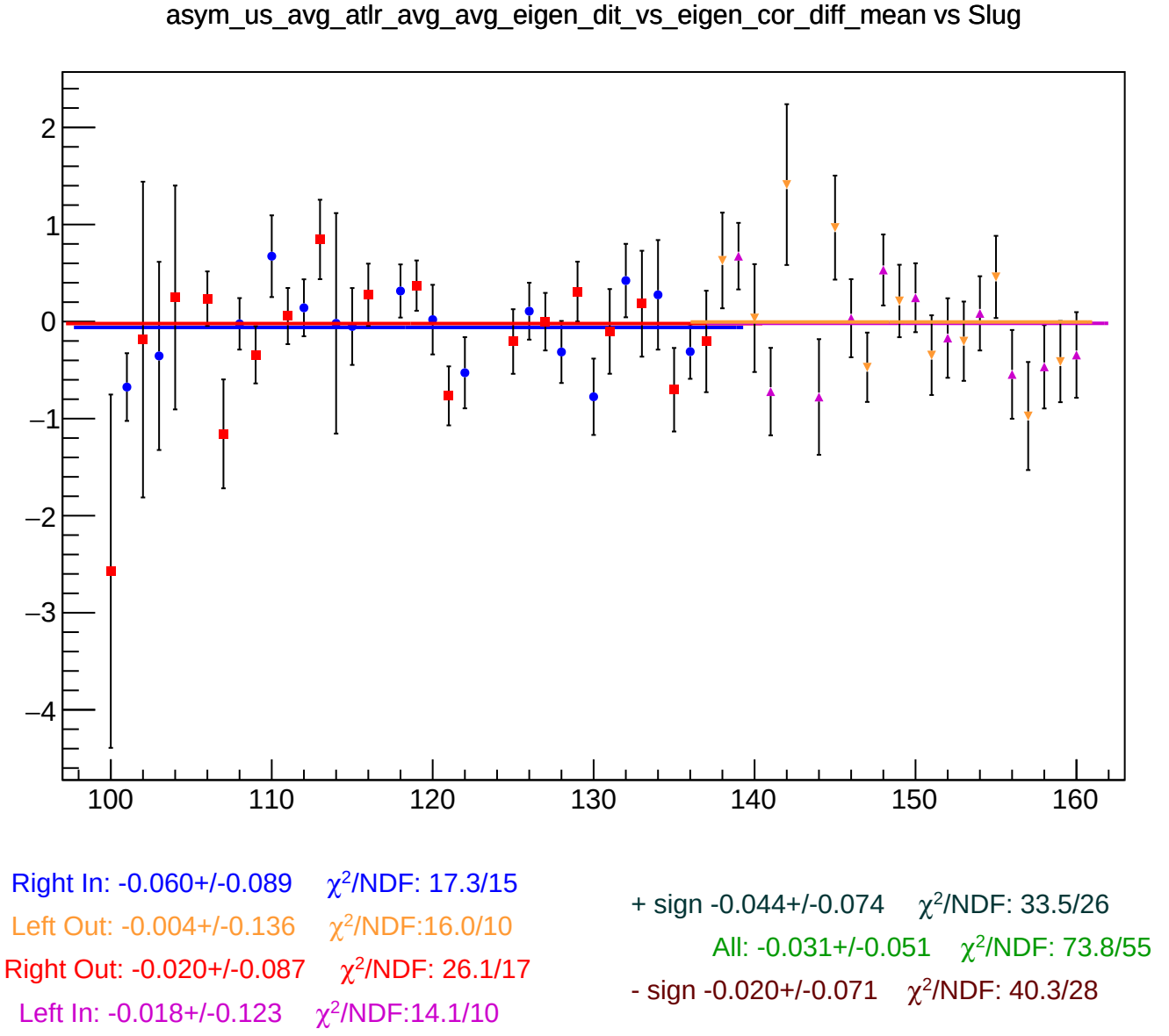
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

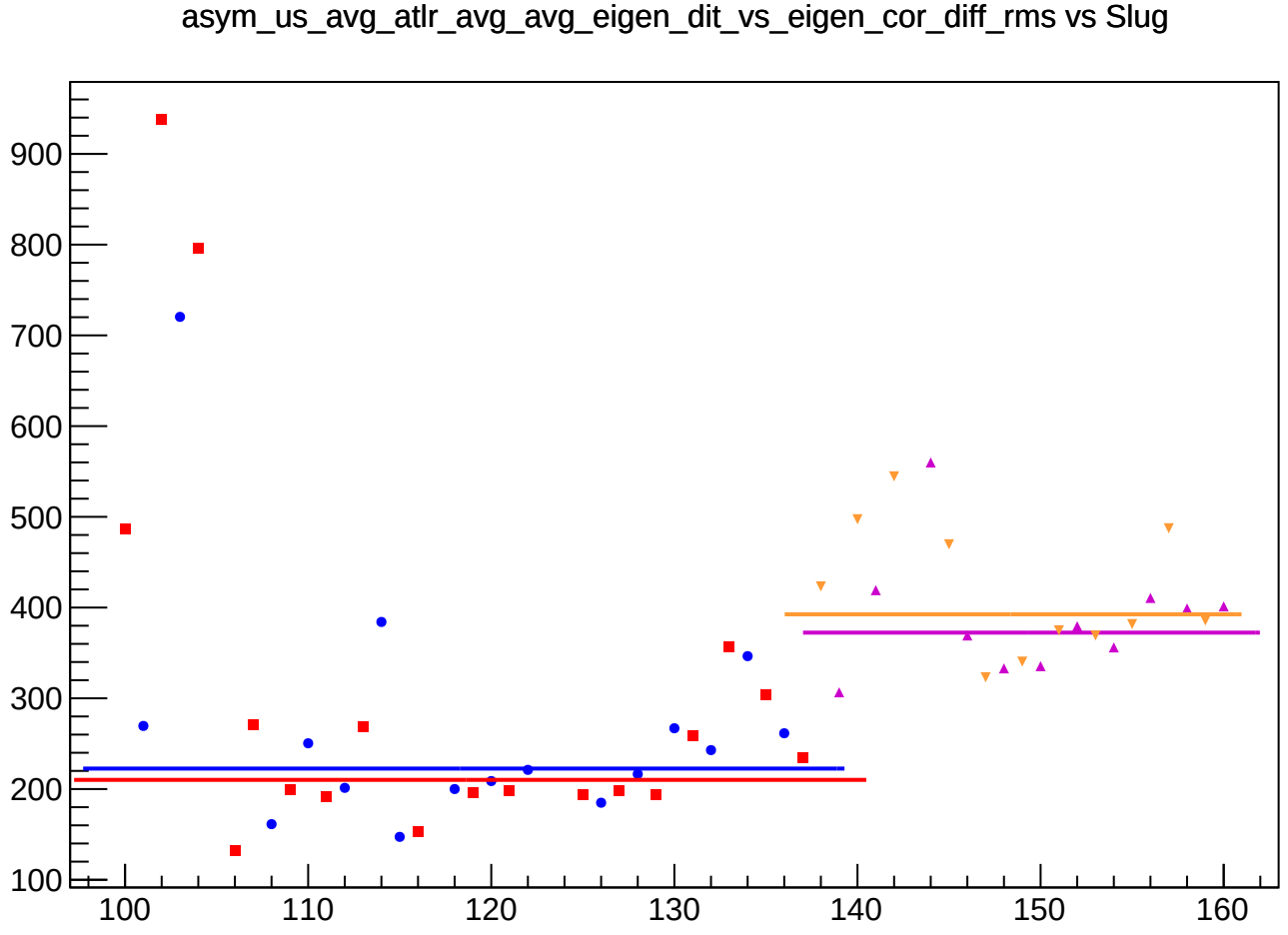
Left In: 372.388+/-0.087 χ^2/NDF:372658.9/10

+ sign 273.066+/-0.053 χ^2/NDF: 3575721.2/26

All: 268.615+/-0.036 χ^2/NDF: 7820386.5/55

- 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: -0.004+/-0.136 χ²/NDF:16.0/10
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: -0.018+/-0.123 χ²/NDF:14.1/10
+ sign -0.044+/-0.074 χ²/NDF: 33.5/26
All: -0.031+/-0.051 χ²/NDF: 73.8/55
- sign -0.020+/-0.071 χ²/NDF: 40.3/28



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 392.581+/-0.096 χ^2/NDF:372358.8/10

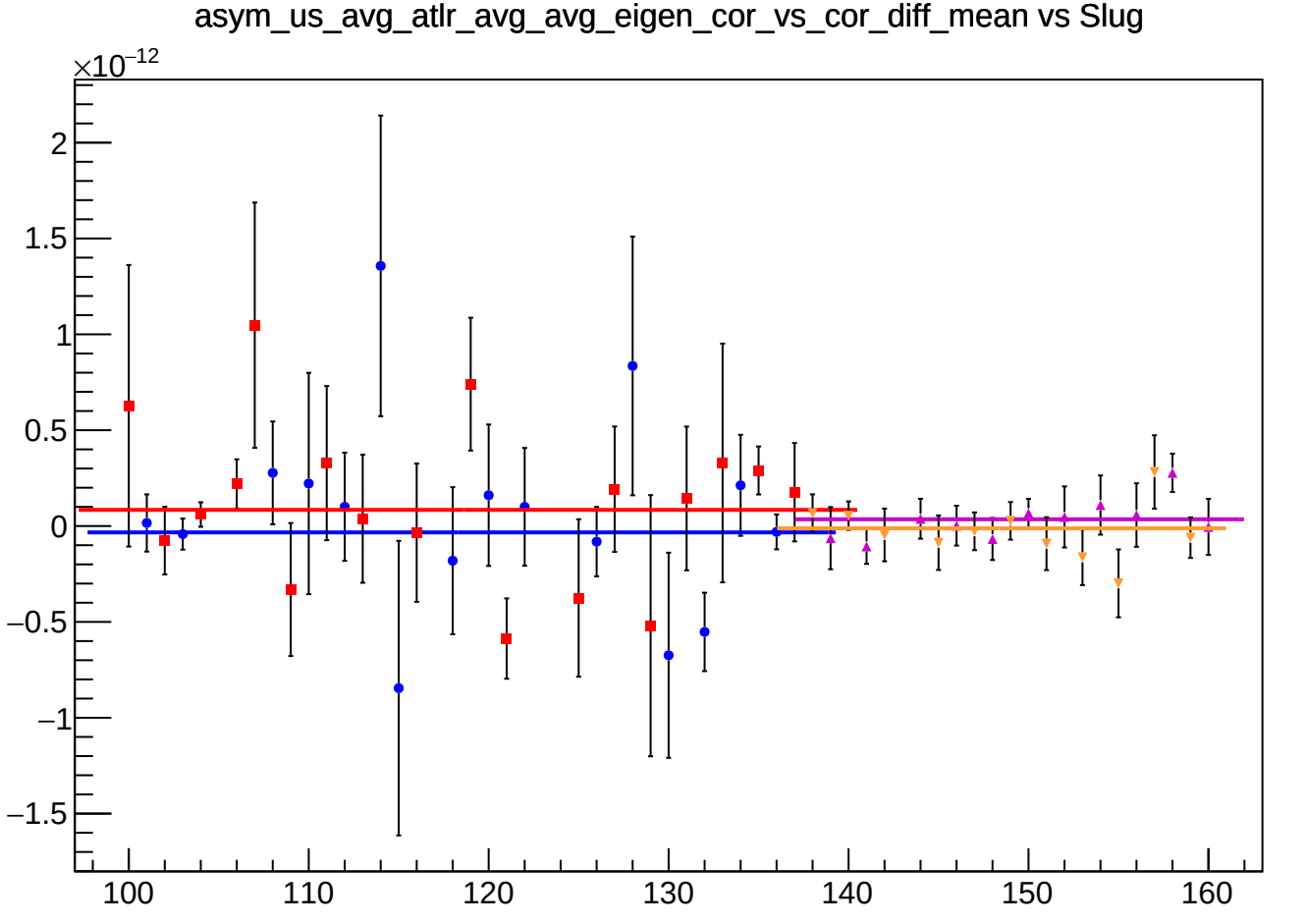
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 372.388+/-0.087 χ^2/NDF:372658.9/10

+ sign 273.066+/-0.053 χ^2/NDF: 3575721.2/26

All: 268.615+/-0.036 χ^2/NDF: 7820386.5/55

- 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:8.6/10

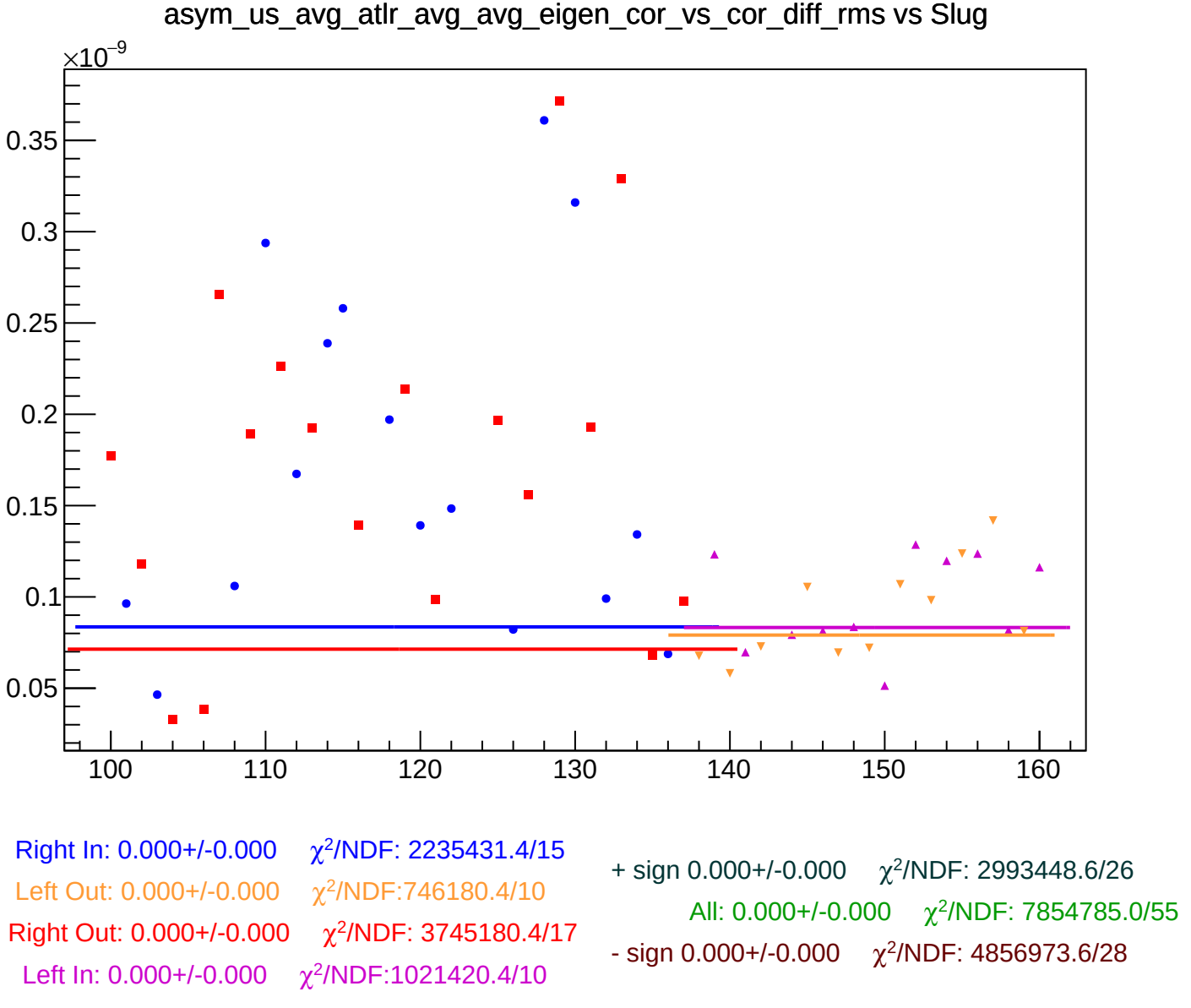
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:10.2/10

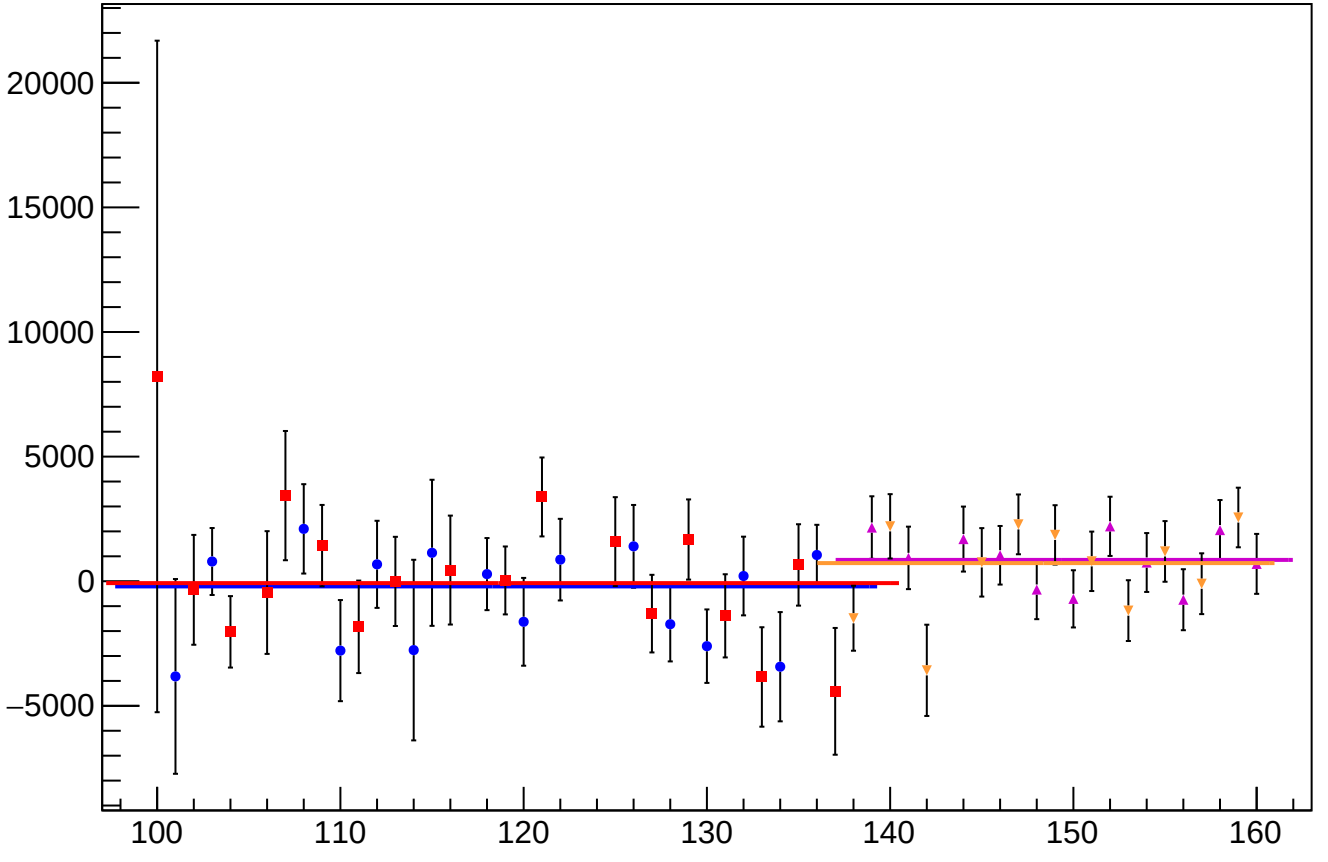
+ sign -0.000+/-0.000 χ^2/NDF: 25.9/26

All: 0.000+/-0.000 χ^2/NDF: 66.2/55

- sign 0.000+/-0.000 χ^2/NDF: 36.8/28


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:746180.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1021420.4/10
+ sign 0.000+/-0.000 χ²/NDF: 2993448.6/26
All: 0.000+/-0.000 χ²/NDF: 7854785.0/55
- sign 0.000+/-0.000 χ²/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: 727.439+/-382.354 χ^2/NDF:17.7/10

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

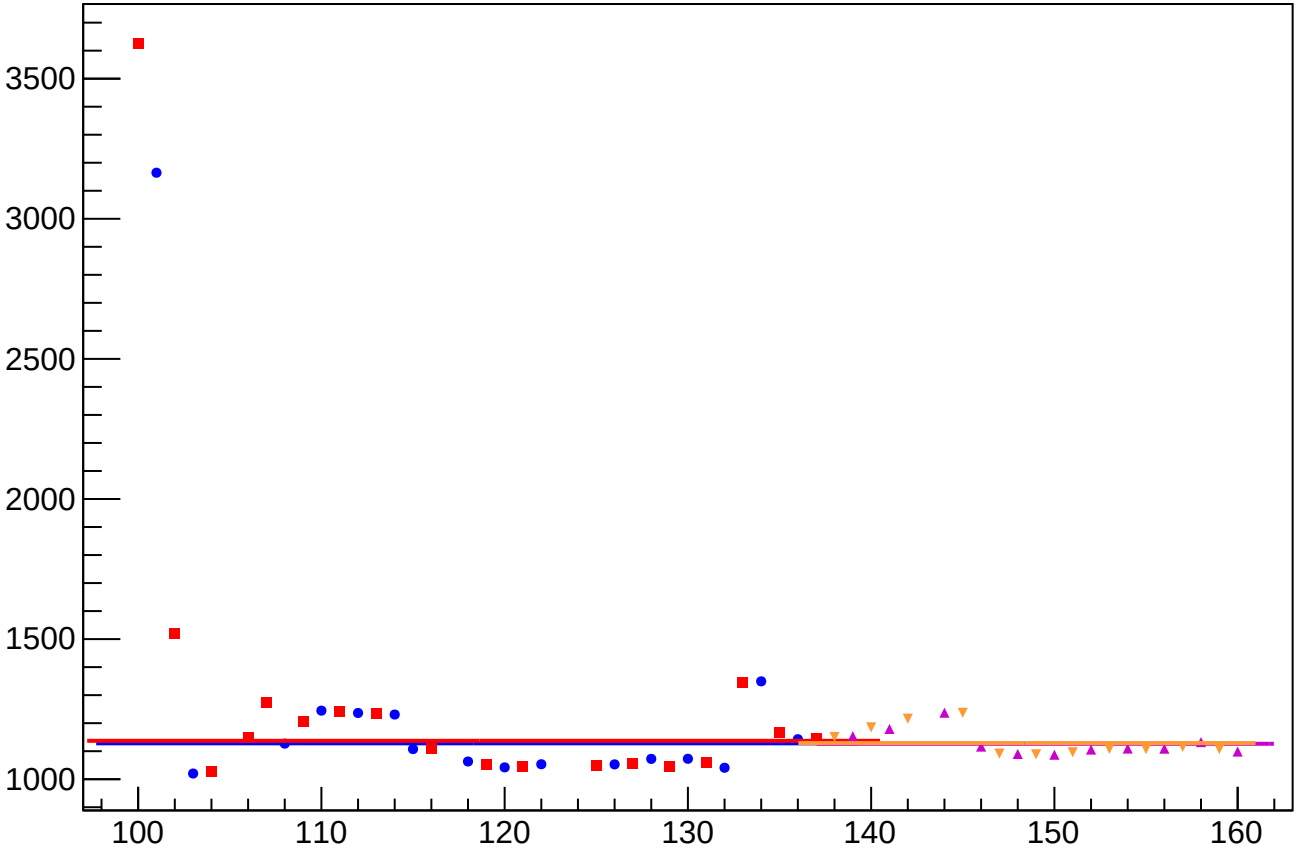
Left In: 855.710+/-364.600 χ^2/NDF:8.4/10

+ sign 313.339+/-285.483 χ^2/NDF: 35.1/26

All: 392.120+/-199.277 χ^2/NDF: 67.0/55

- 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: 1128.904+/-0.270 χ^2/NDF:29096.2/10

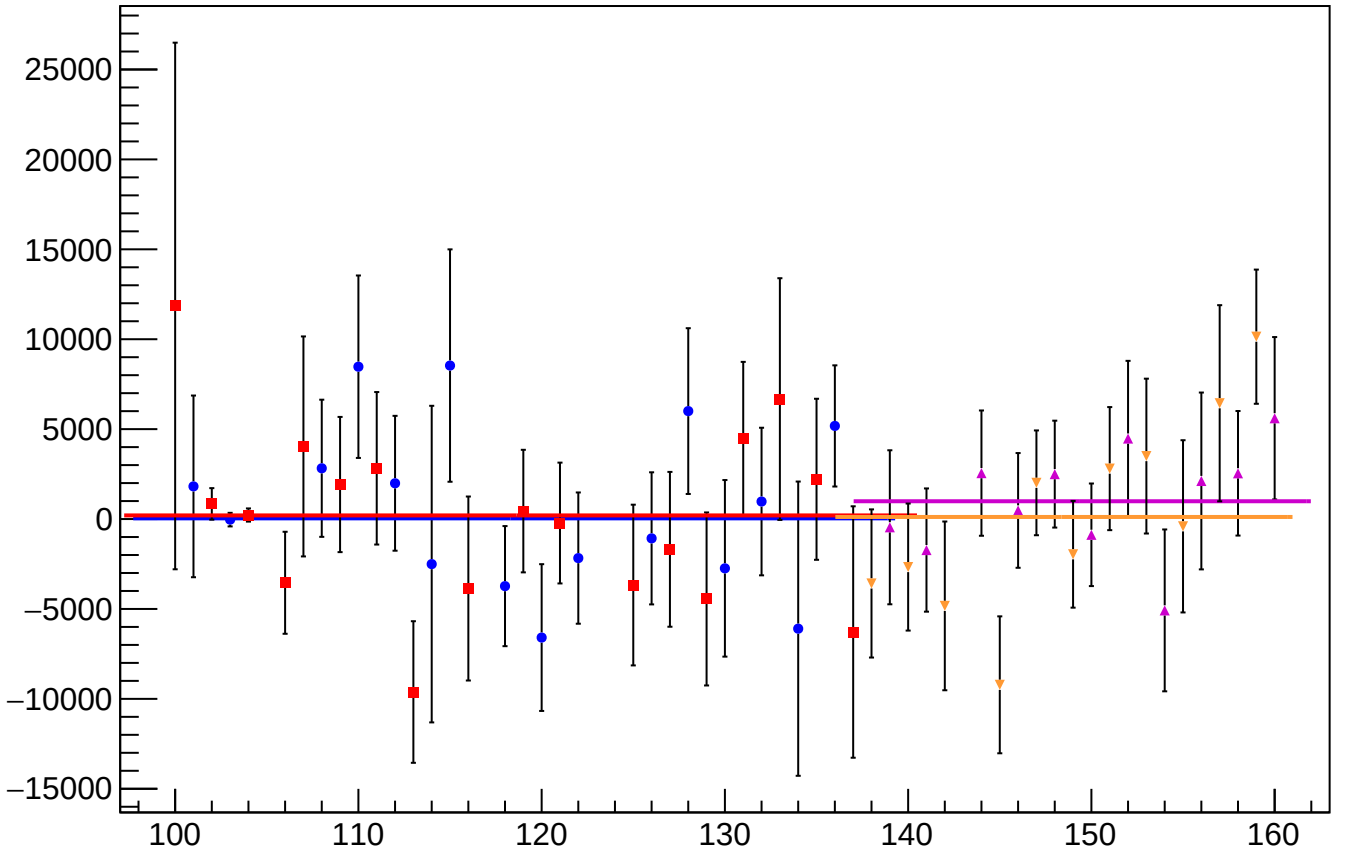
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1126.456+/-0.258 χ^2/NDF:25819.0/10

+ sign 1128.507+/-0.202 χ^2/NDF: 650495.6/26

All: 1129.727+/-0.141 χ^2/NDF: 897176.9/55

- 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: 115.705+/-1137.223 χ^2/NDF:19.3/10

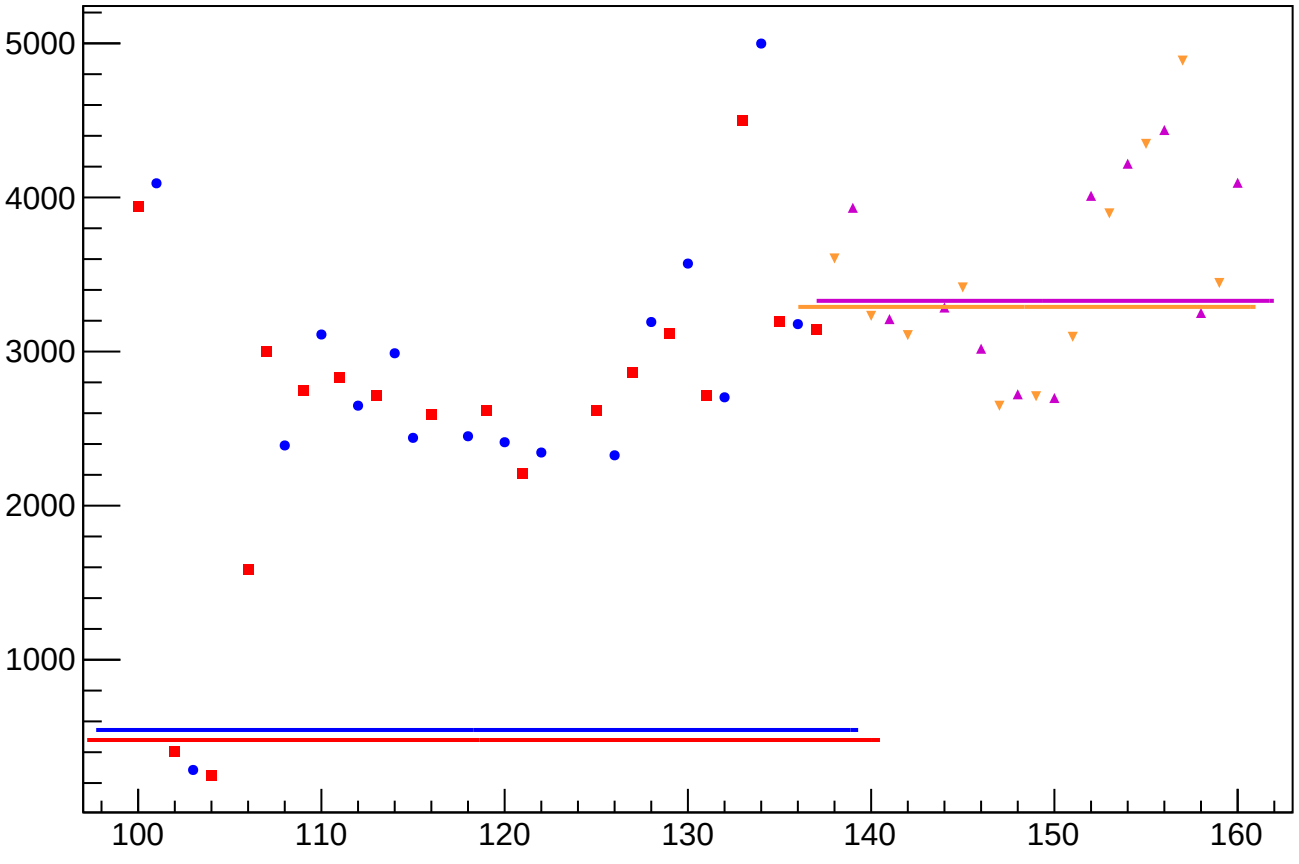
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 989.494+/-1095.535 χ^2/NDF:5.4/10

+ sign 45.267+/-341.177 χ^2/NDF: 34.1/26

All: 165.554+/-229.197 χ^2/NDF: 55.9/55

- 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: 3289.731+/-0.804 χ^2/NDF:509699.5/10

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

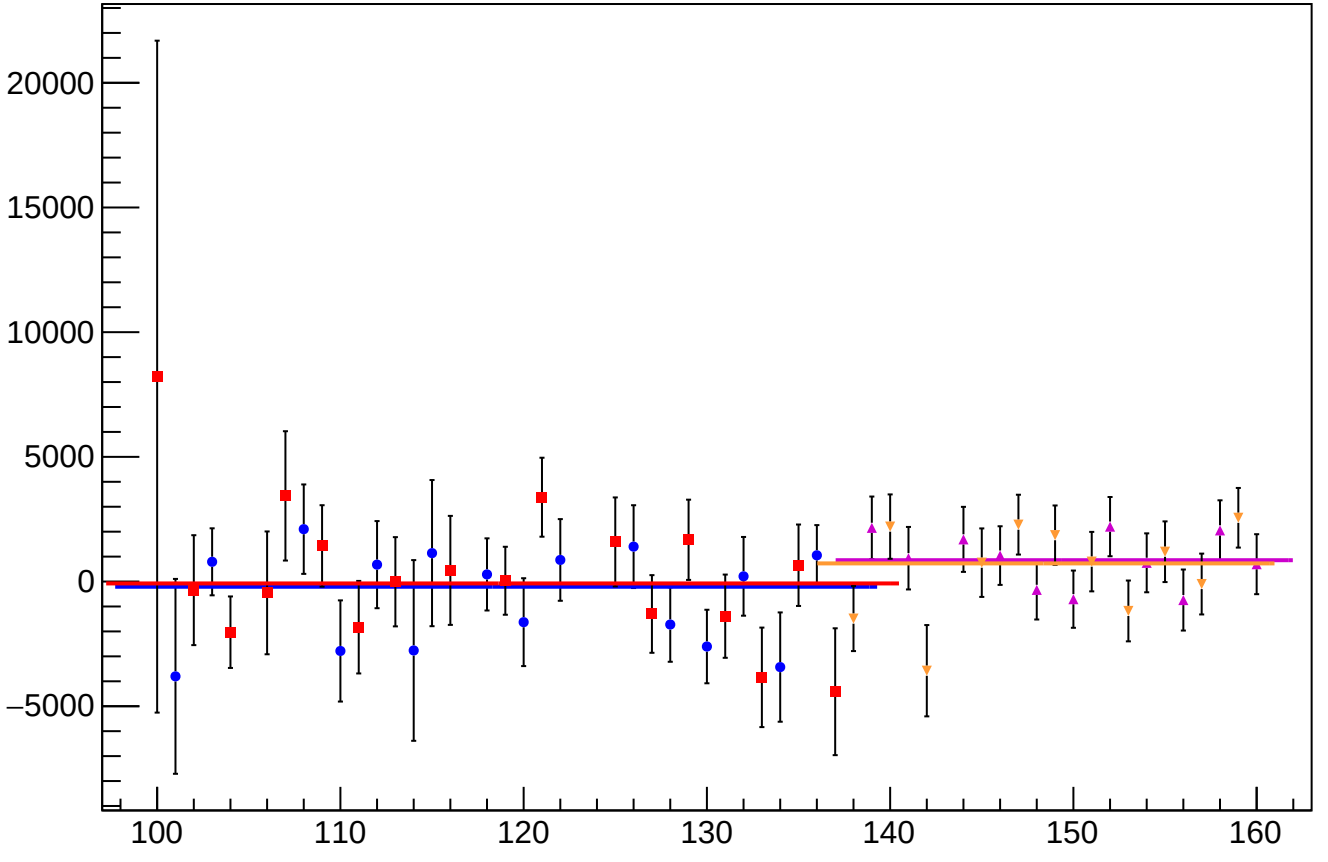
Left In: 3329.152+/-0.775 χ^2/NDF:530634.1/10

+ sign 791.435+/-0.241 χ^2/NDF: 20799538.3/26

All: 744.875+/-0.162 χ^2/NDF: 43040751.7/55

- 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: 727.460+/-382.354 χ^2/NDF:17.7/10

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

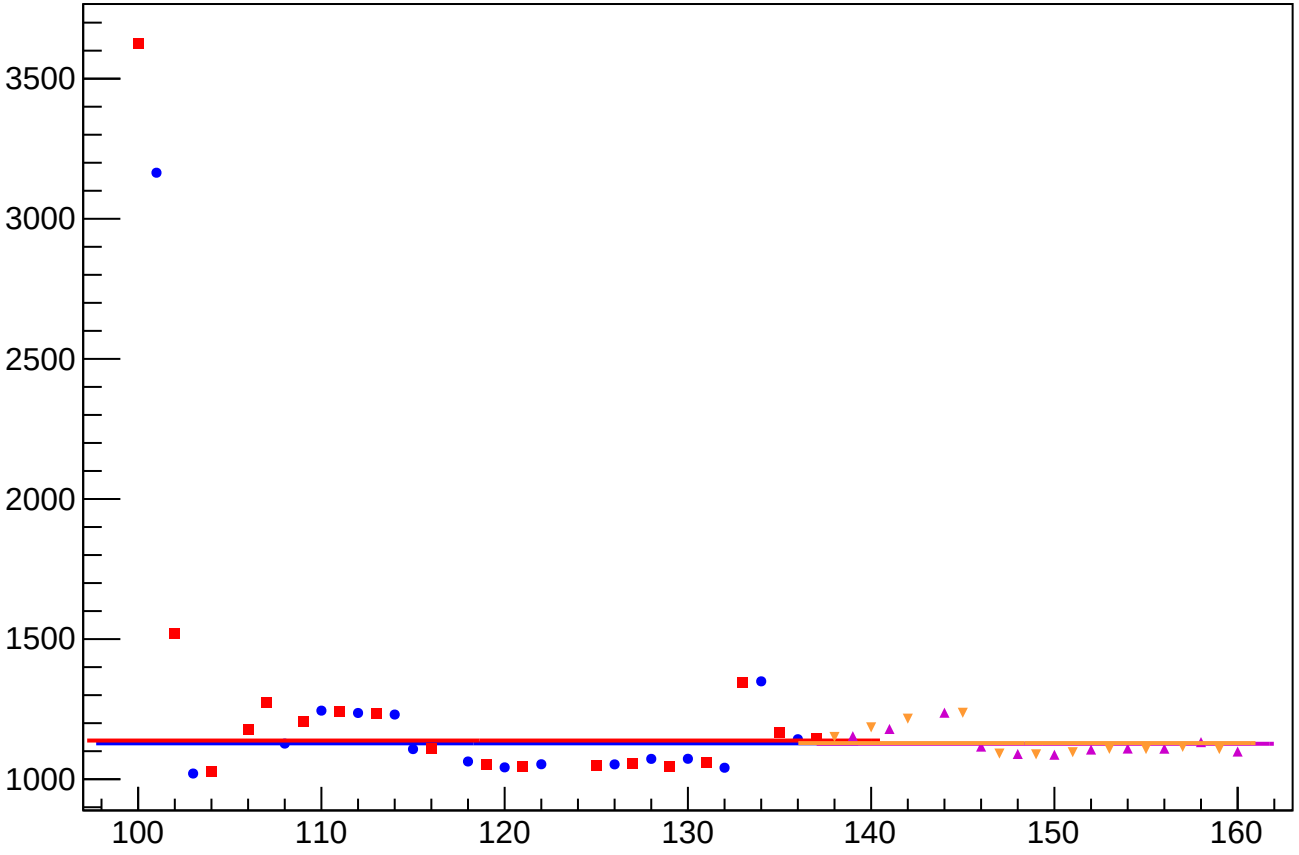
Left In: 855.746+/-364.600 χ^2/NDF:8.4/10

\+ sign 313.452+/-285.483 χ^2/NDF: 35.1/26

All: 392.155+/-199.277 χ^2/NDF: 67.0/55

\- 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: 1128.904+/-0.270 χ^2/NDF:29096.2/10

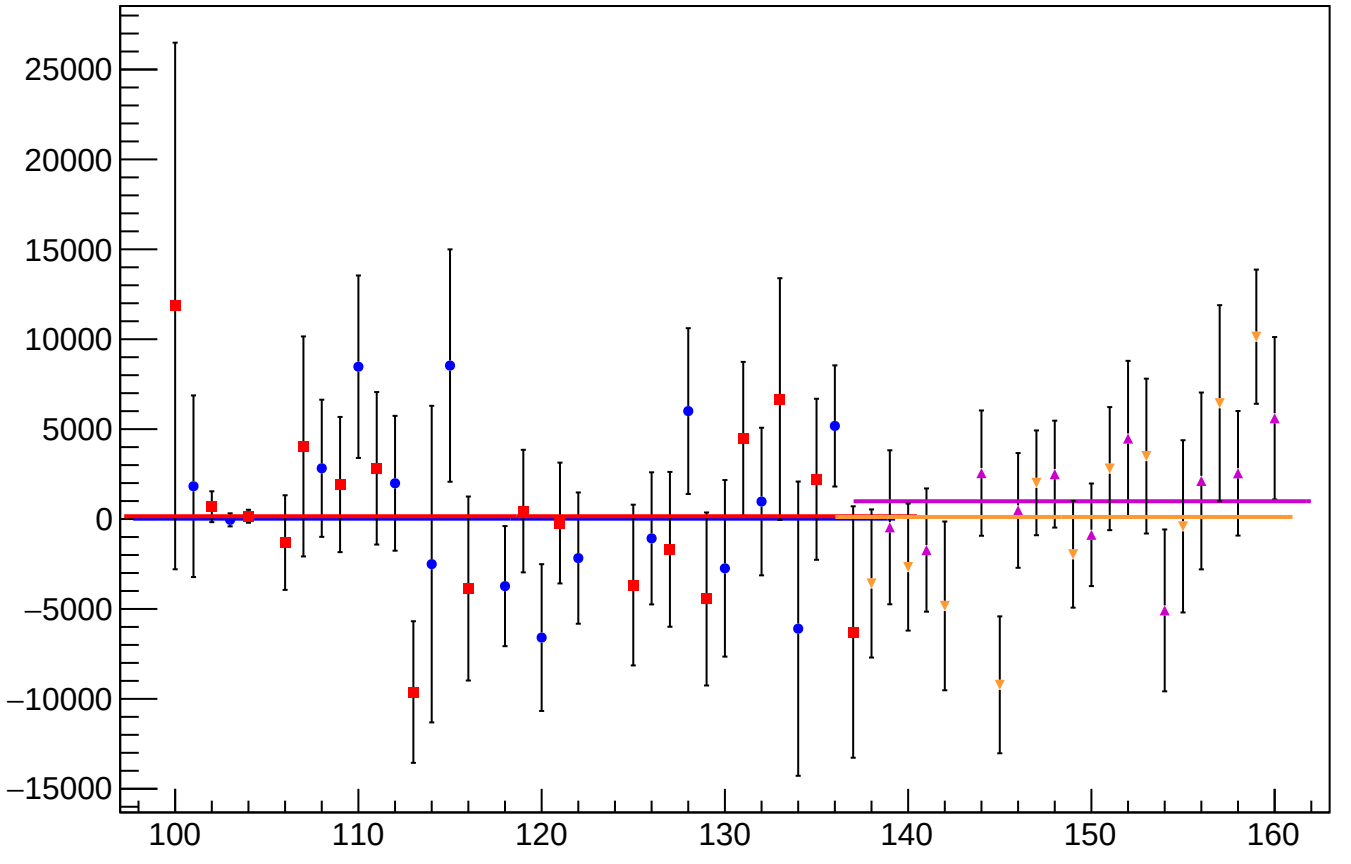
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1126.456+/-0.258 χ^2/NDF:25819.0/10

+ sign 1128.507+/-0.202 χ^2/NDF: 650496.7/26

All: 1129.928+/-0.141 χ^2/NDF: 897874.1/55

- 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: 115.759+/-1137.223 χ^2/NDF:19.3/10

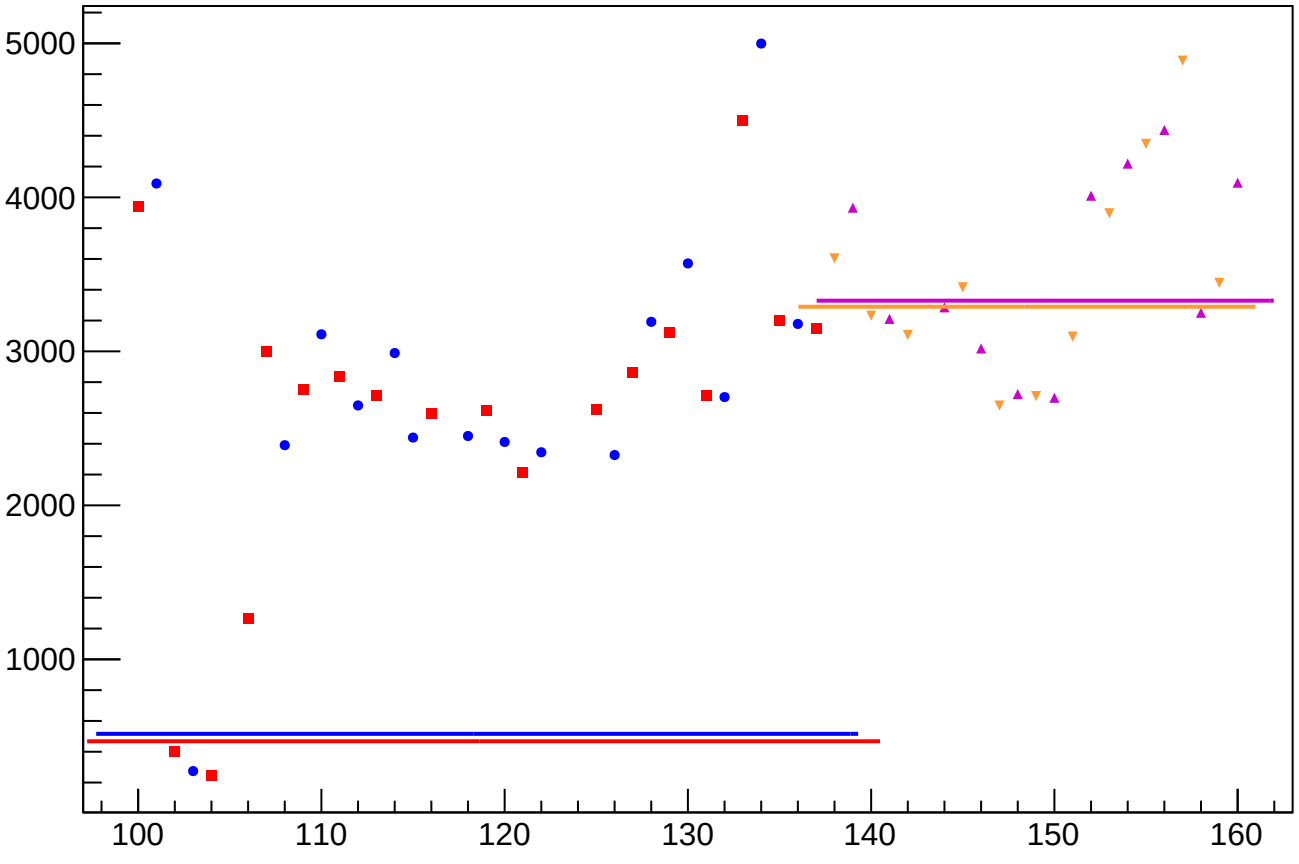
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 989.501+/-1095.535 χ^2/NDF:5.4/10

+ sign 29.557+/-329.726 χ^2/NDF: 34.1/26

All: 132.640+/-223.833 χ^2/NDF: 54.3/55

- 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: 3289.730+/-0.804 χ^2/NDF:509701.8/10

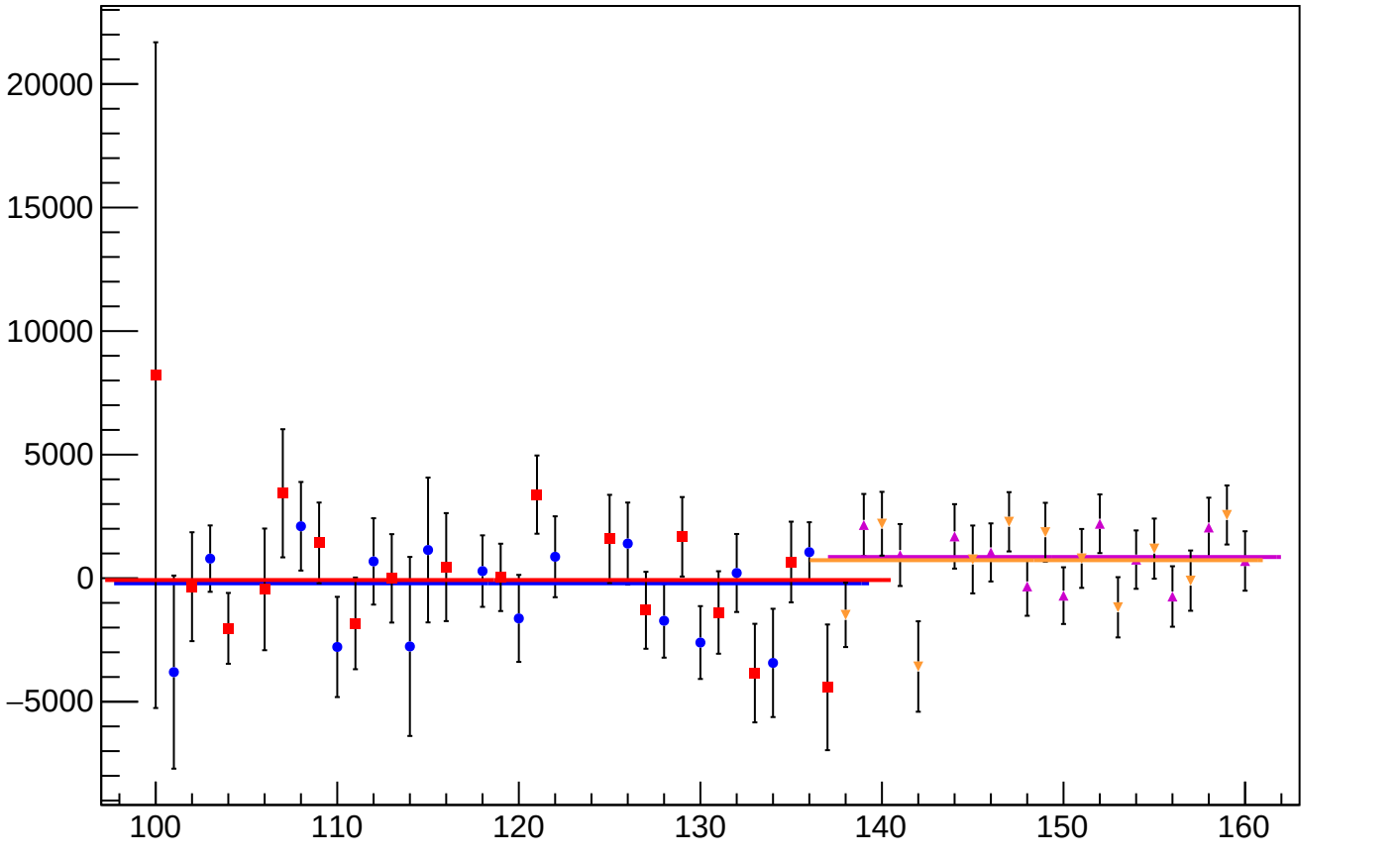
Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3329.151+/-0.775 χ^2/NDF:530639.1/10

+ sign 749.446+/-0.233 χ^2/NDF: 21239662.3/26

All: 717.166+/-0.158 χ^2/NDF: 43501777.4/55

- sign 689.576+/-0.216 χ^2/NDF: 22226563.1/28



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 727.460+/-382.354 χ^2/NDF:17.7/10

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

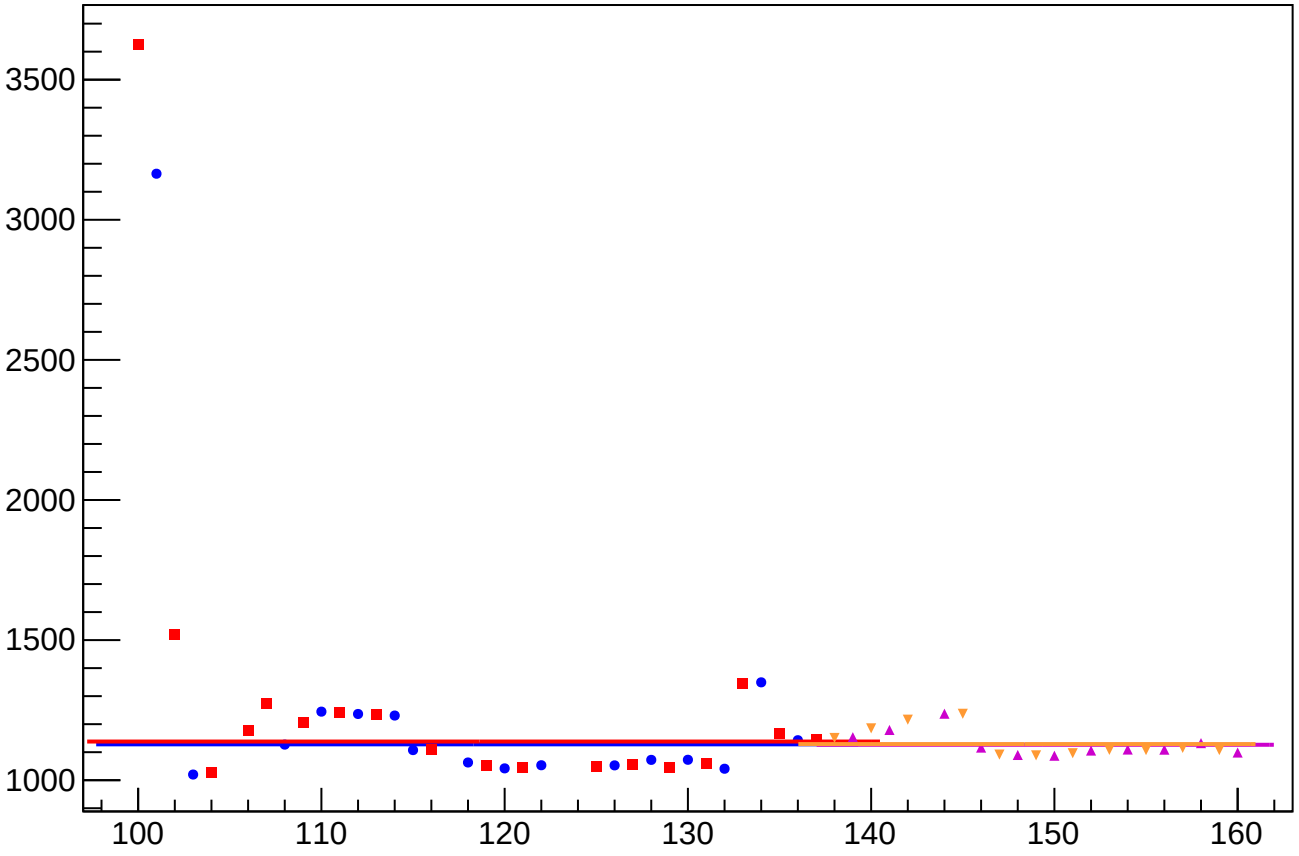
Left In: 855.746+/-364.600 χ^2/NDF:8.4/10

+ sign 313.452+/-285.483 χ^2/NDF: 35.1/26

All: 392.155+/-199.277 χ^2/NDF: 67.0/55

- 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: 1128.904+/-0.270 χ^2/NDF:29096.2/10

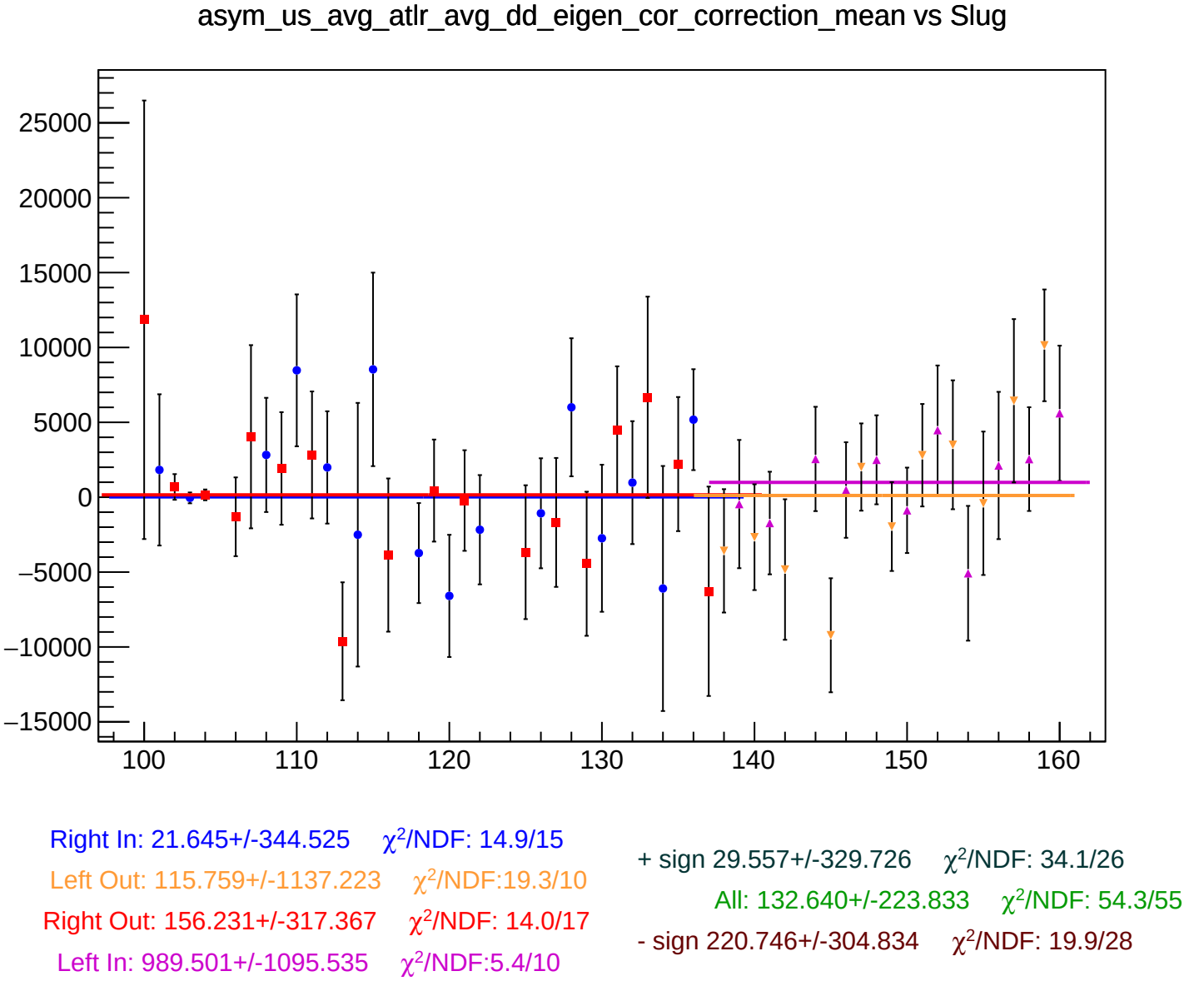
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

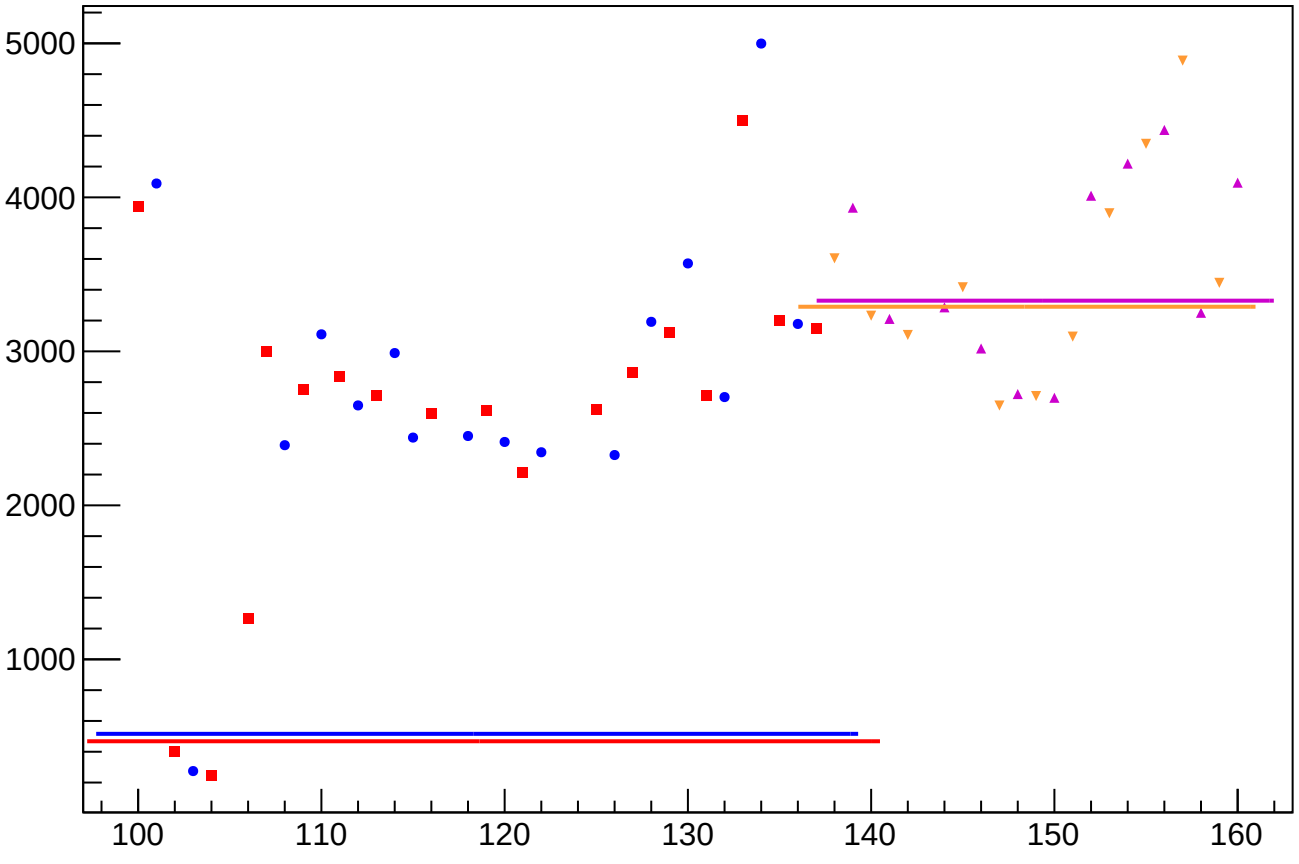
Left In: 1126.456+/-0.258 χ^2/NDF:25819.0/10

+ sign 1128.507+/-0.202 χ^2/NDF: 650496.7/26

All: 1129.928+/-0.141 χ^2/NDF: 897874.1/55

- sign 1131.277+/-0.197 χ^2/NDF: 247280.8/28


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: 115.759+/-1137.223 χ²/NDF:19.3/10
Right Out: 156.231+/-317.367 χ²/NDF: 14.0/17
Left In: 989.501+/-1095.535 χ²/NDF:5.4/10
+ sign 29.557+/-329.726 χ²/NDF: 34.1/26
All: 132.640+/-223.833 χ²/NDF: 54.3/55
- sign 220.746+/-304.834 χ²/NDF: 19.9/28



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3289.730+/-0.804 χ^2/NDF:509701.8/10

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

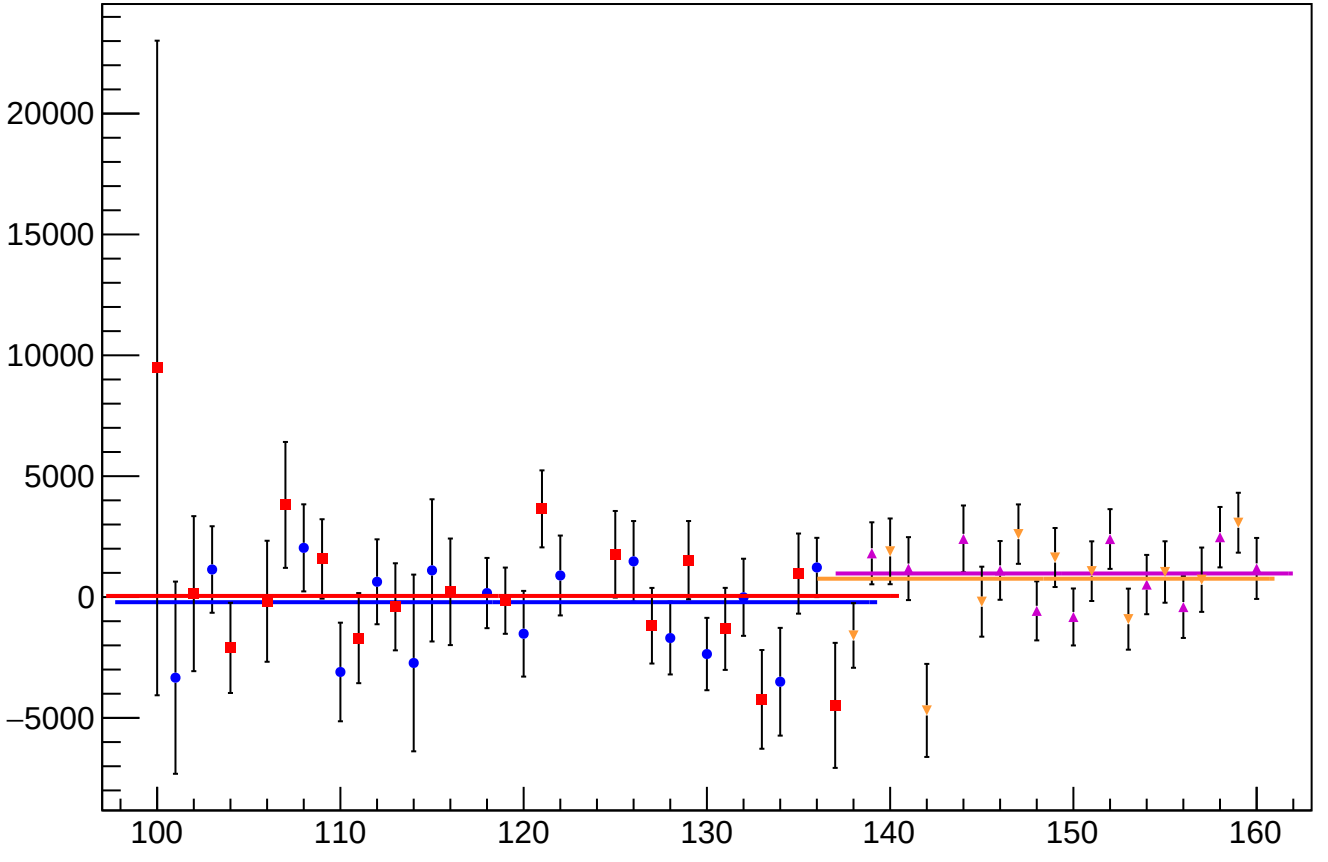
Left In: 3329.151+/-0.775 χ^2/NDF:530639.1/10

+ sign 749.446+/-0.233 χ^2/NDF: 21239662.3/26

All: 717.166+/-0.158 χ^2/NDF: 43501777.4/55

- 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: 757.952+/-398.448 χ^2/NDF:20.4/10

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

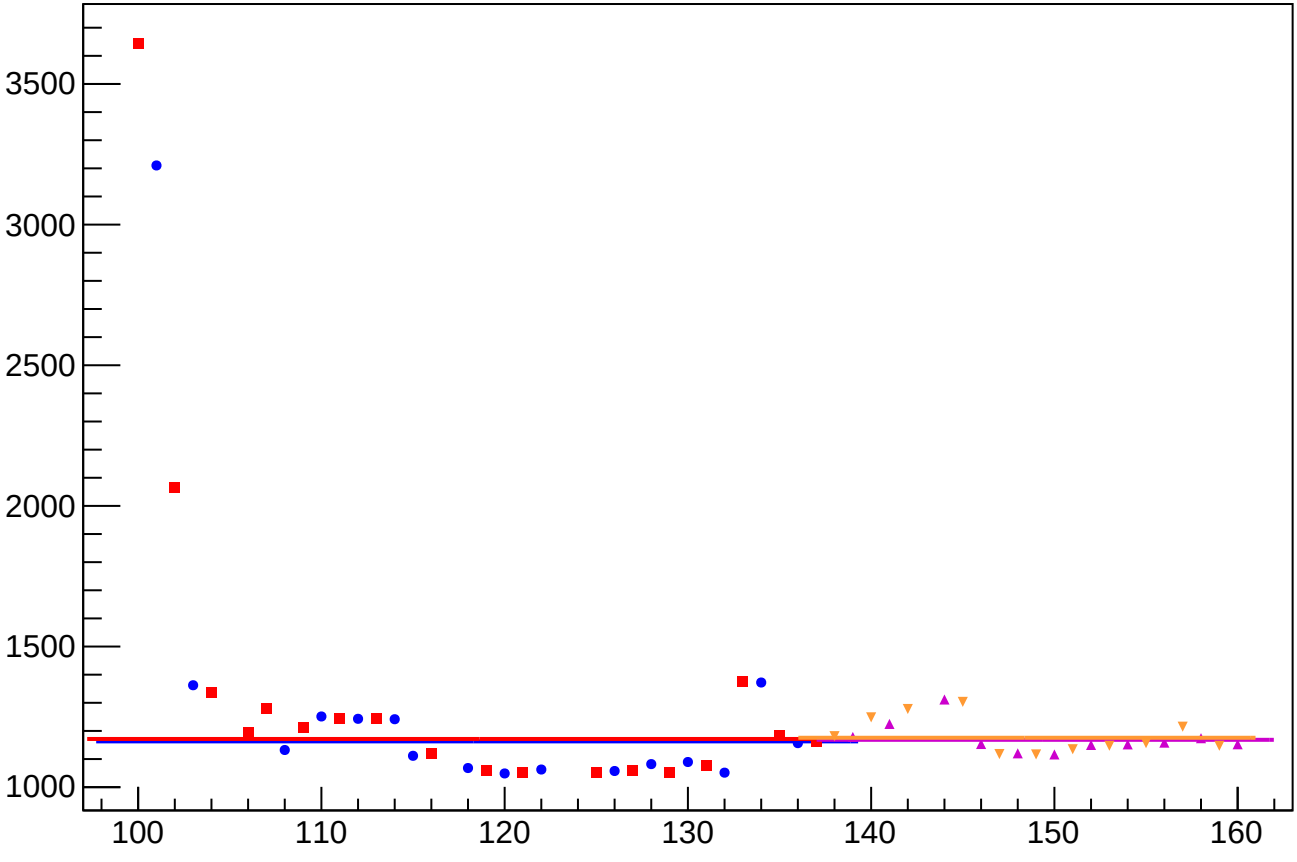
Left In: 974.665+/-378.297 χ^2/NDF:9.6/10

+ sign 323.364+/-296.153 χ^2/NDF: 37.3/26

All: 458.555+/-206.772 χ^2/NDF: 71.5/55

- 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: 1175.720+/-0.282 χ^2/NDF:42495.7/10

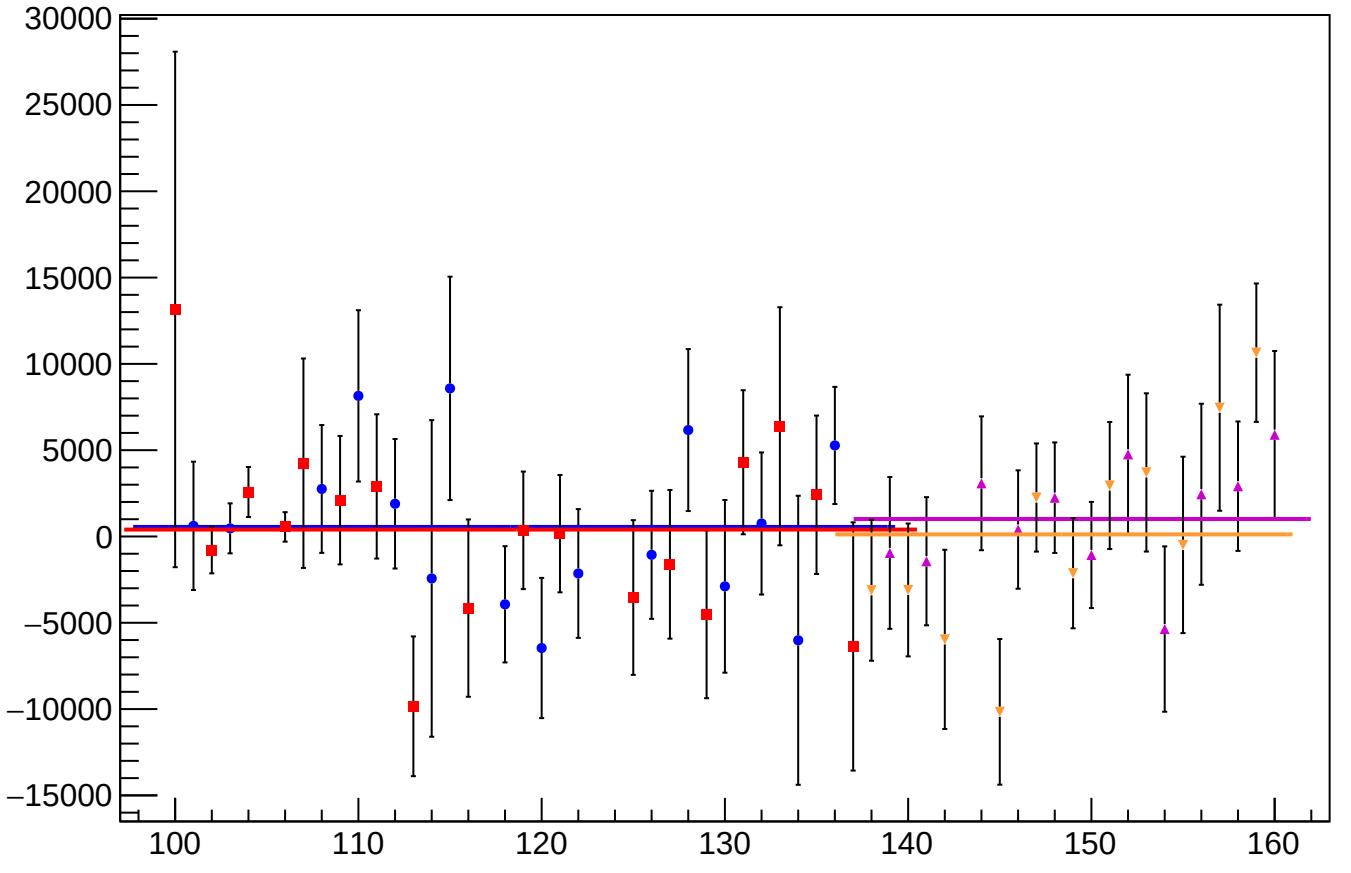
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1168.409+/-0.267 χ^2/NDF:33921.9/10

+ sign 1169.961+/-0.209 χ^2/NDF: 678782.8/26

All: 1169.809+/-0.146 χ^2/NDF: 1044399.5/55

- 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: 120.795+/-1221.051 χ^2/NDF:19.2/10

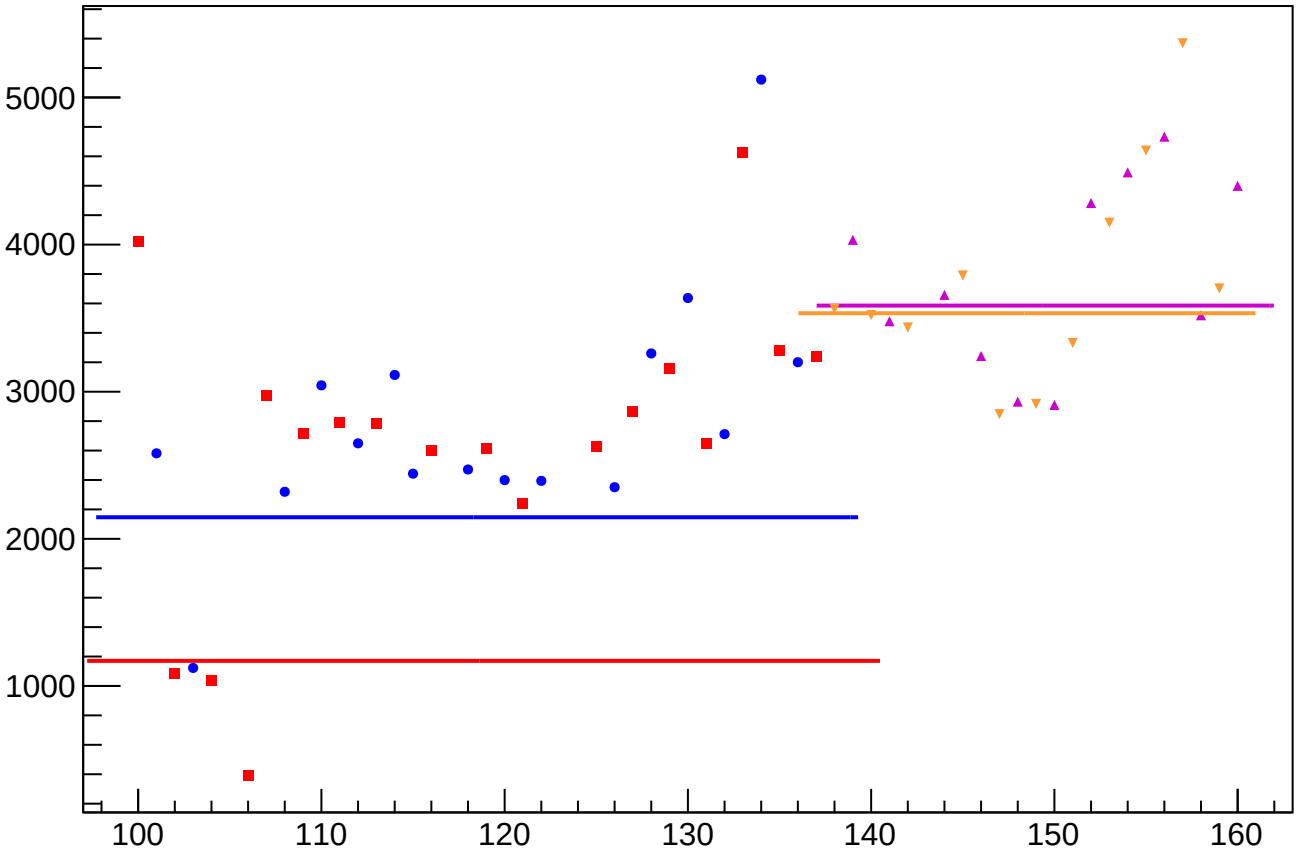
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 1011.994+/-1178.855 χ^2/NDF:5.3/10

+ sign 406.234+/-710.770 χ^2/NDF: 33.7/26

All: 477.992+/-414.443 χ^2/NDF: 55.9/55

- 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: 3533.461+/-0.863 χ^2/NDF:506857.2/10

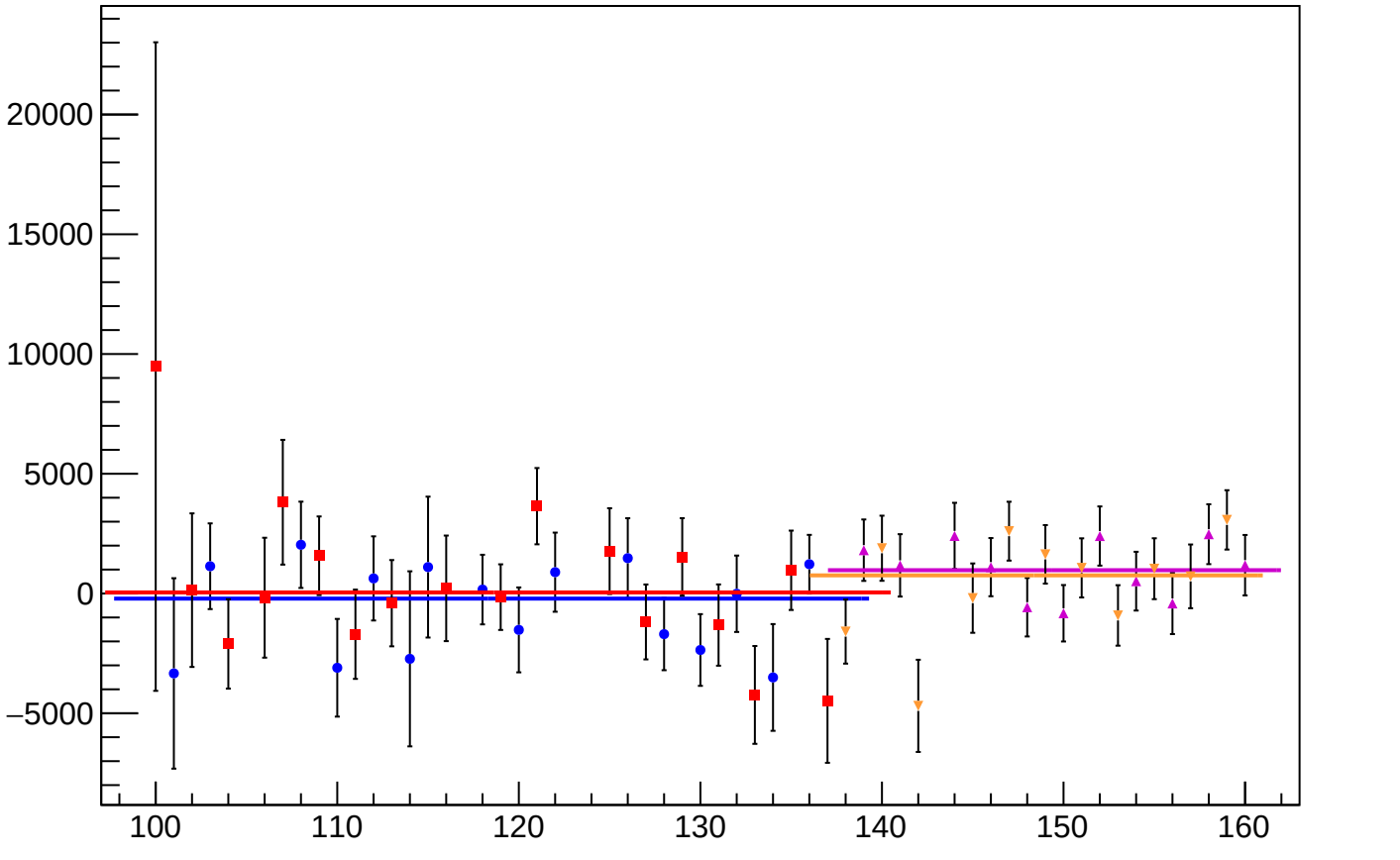
Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3585.315+/-0.834 χ^2/NDF:492400.1/10

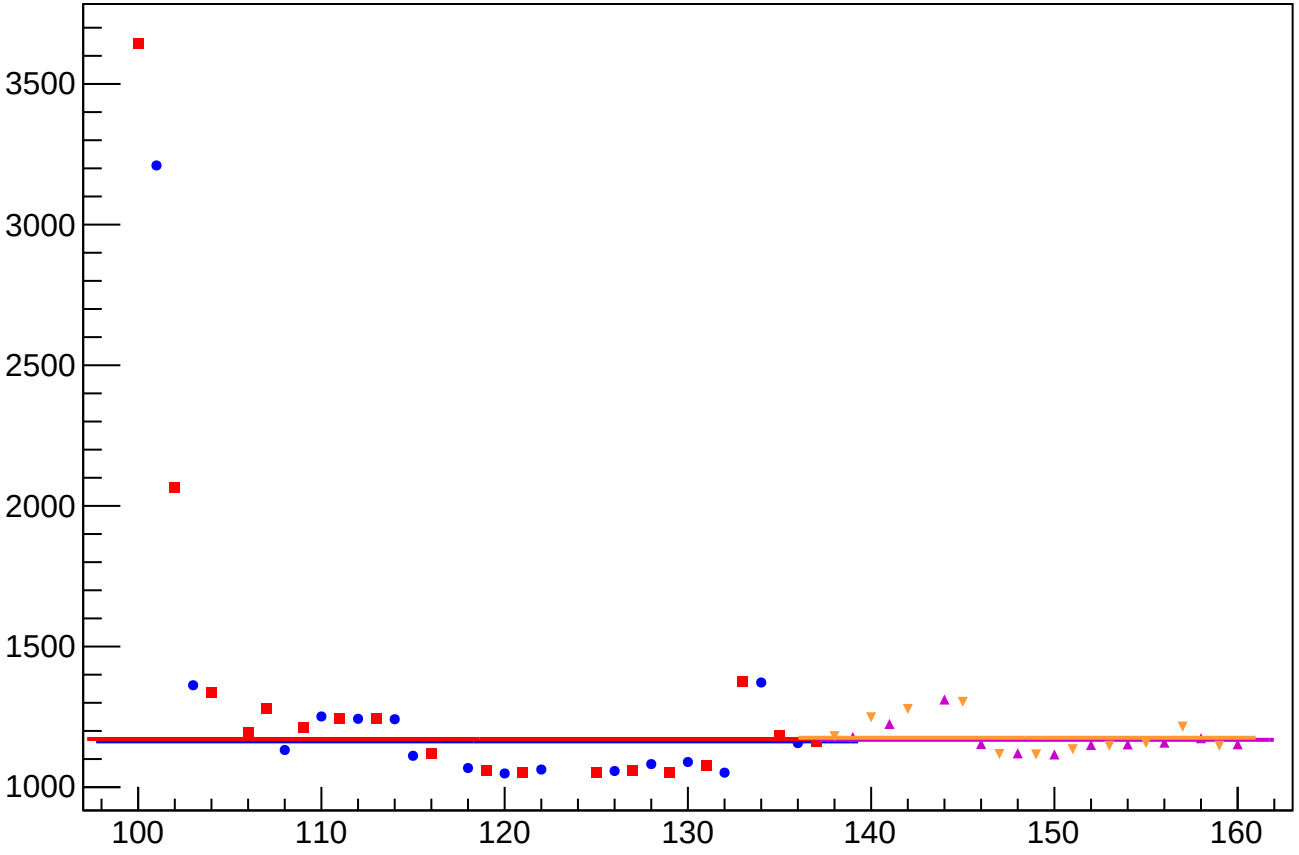
+ sign 2616.530+/-0.503 χ^2/NDF: 4187374.1/26

All: 1960.646+/-0.293 χ^2/NDF: 19897822.7/5

- sign 1622.776+/-0.361 χ^2/NDF: 13130104.0/28


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: 757.951+/-398.448 χ²/NDF:20.4/10
Right Out: 45.539+/-447.221 χ²/NDF: 21.7/17
Left In: 974.662+/-378.297 χ²/NDF:9.6/10
+ sign 323.362+/-296.153 χ²/NDF: 37.3/26
All: 458.554+/-206.772 χ²/NDF: 71.5/55
- sign 587.138+/-288.825 χ²/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: 1175.721+/-0.282 χ^2/NDF:42496.2/10

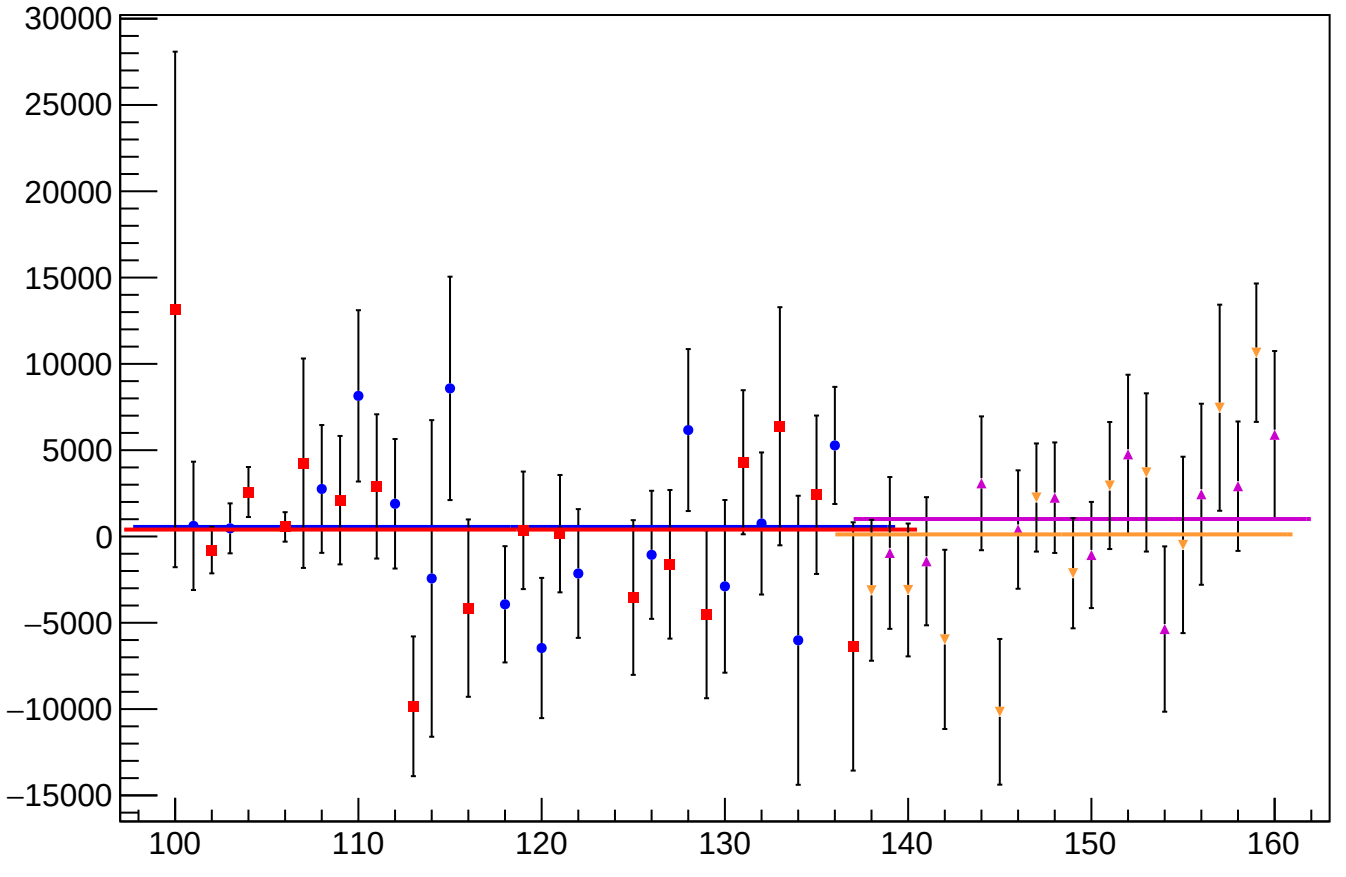
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1168.410+/-0.267 χ^2/NDF:33922.1/10

+ sign 1169.961+/-0.209 χ^2/NDF: 678783.5/26

All: 1169.810+/-0.146 χ^2/NDF: 1044400.0/55

- 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: 120.795+/-1221.052 χ^2/NDF:19.2/10

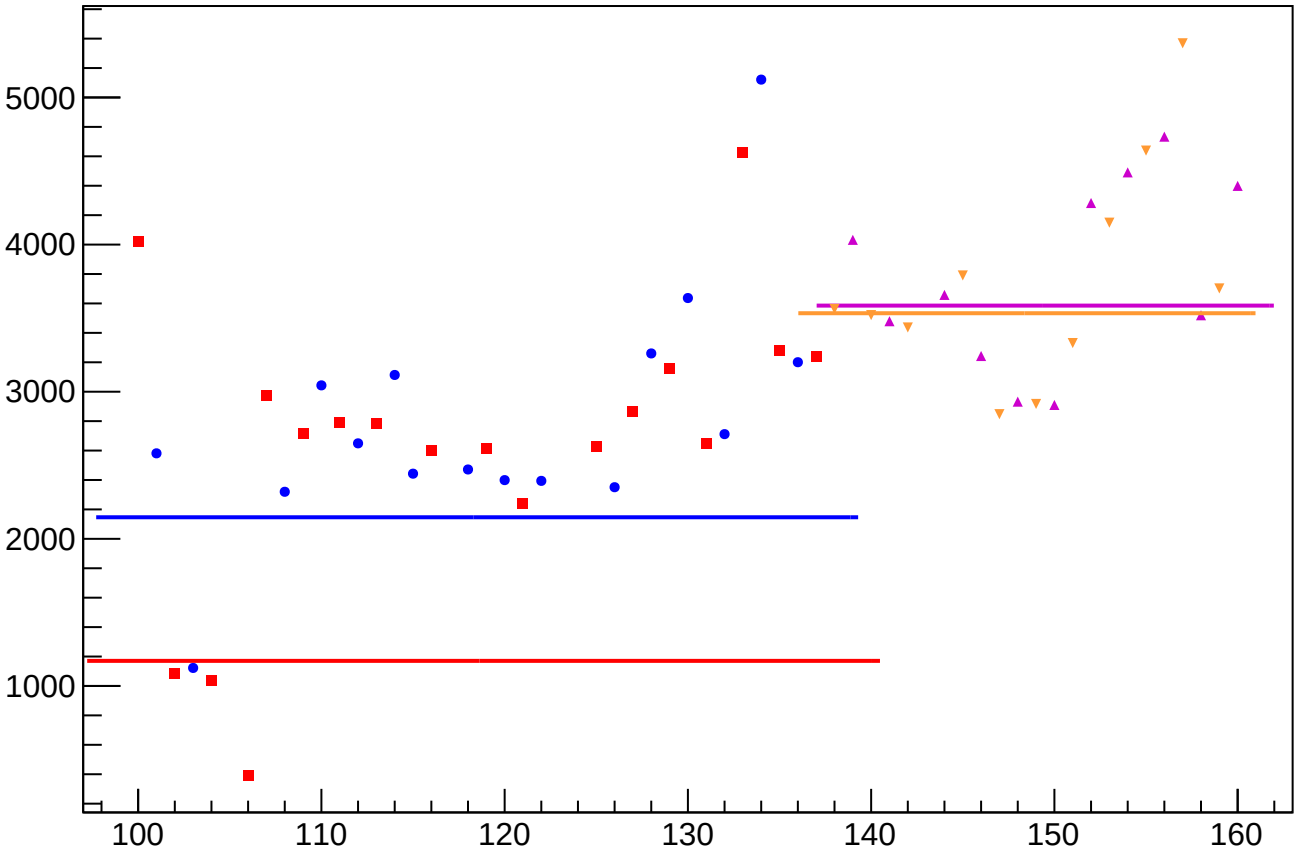
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 1011.992+/-1178.856 χ^2/NDF:5.3/10

+ sign 406.230+/-710.770 χ^2/NDF: 33.7/26

All: 477.990+/-414.440 χ^2/NDF: 55.9/55

- 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: 3533.464+/-0.863 χ^2/NDF:506857.6/10

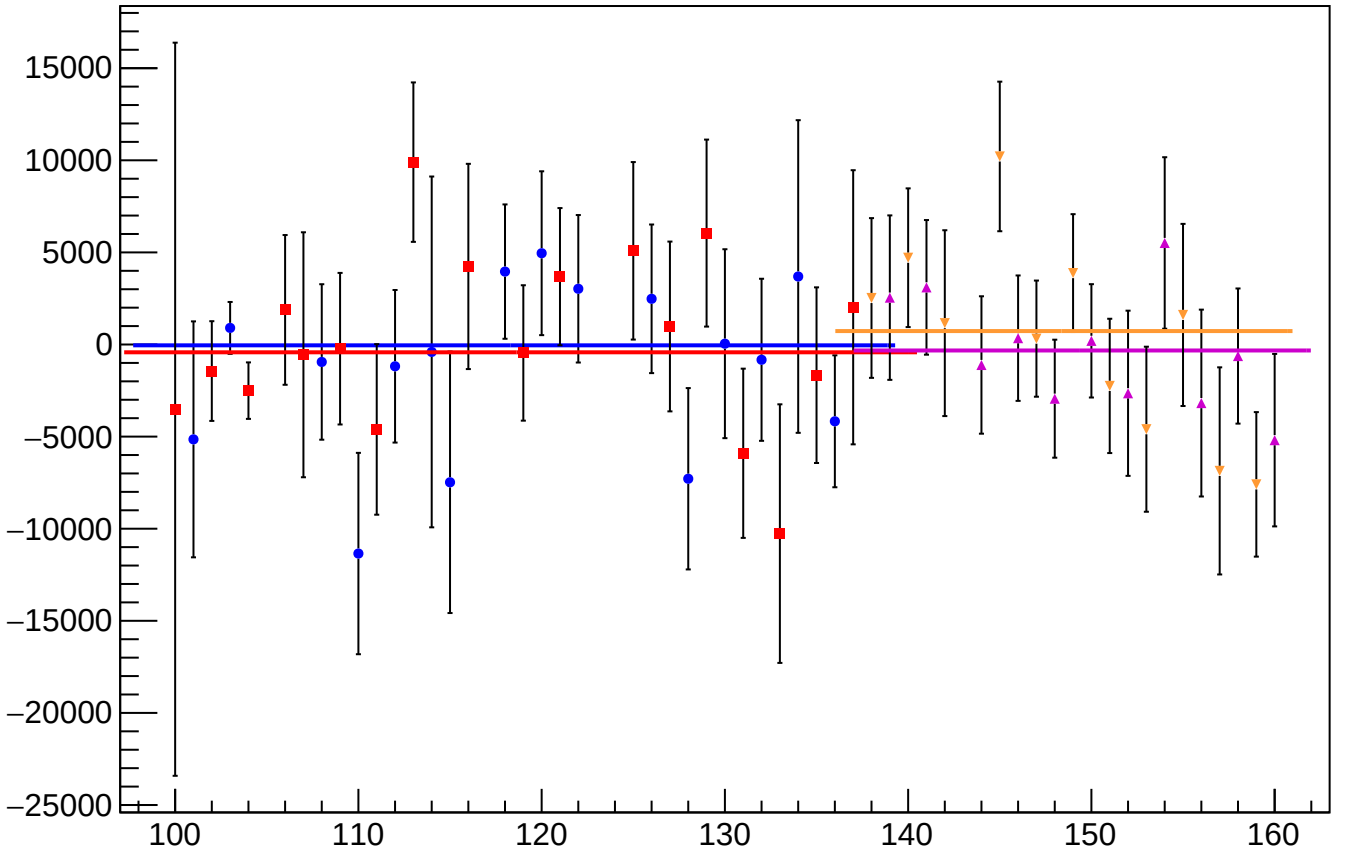
Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3585.319+/-0.834 χ^2/NDF:492400.0/10

+ sign 2616.528+/-0.503 χ^2/NDF: 4187386.3/26

All: 1960.623+/-0.293 χ^2/NDF: 19898282.6/5

- sign 1622.748+/-0.361 χ^2/NDF: 13130401.3/28



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 729.153+/-1208.571 χ^2/NDF:16.2/10

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

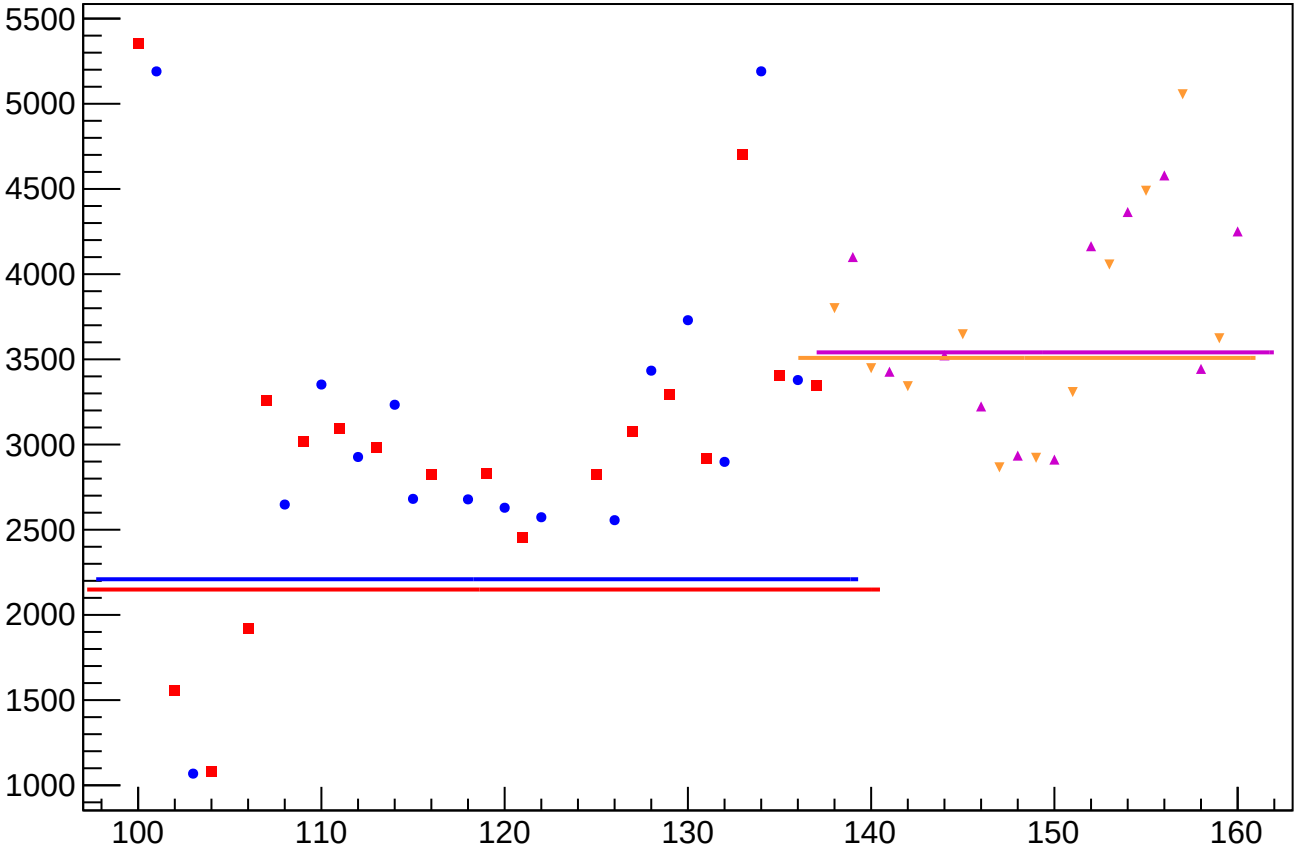
Left In: -324.197+/-1161.660 χ^2/NDF:5.3/10

+ sign 239.385+/-732.406 χ^2/NDF: 30.2/26

All: -83.298+/-509.725 χ^2/NDF: 53.2/55

- 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: 3508.467+/-0.855 χ^2/NDF:432288.0/10

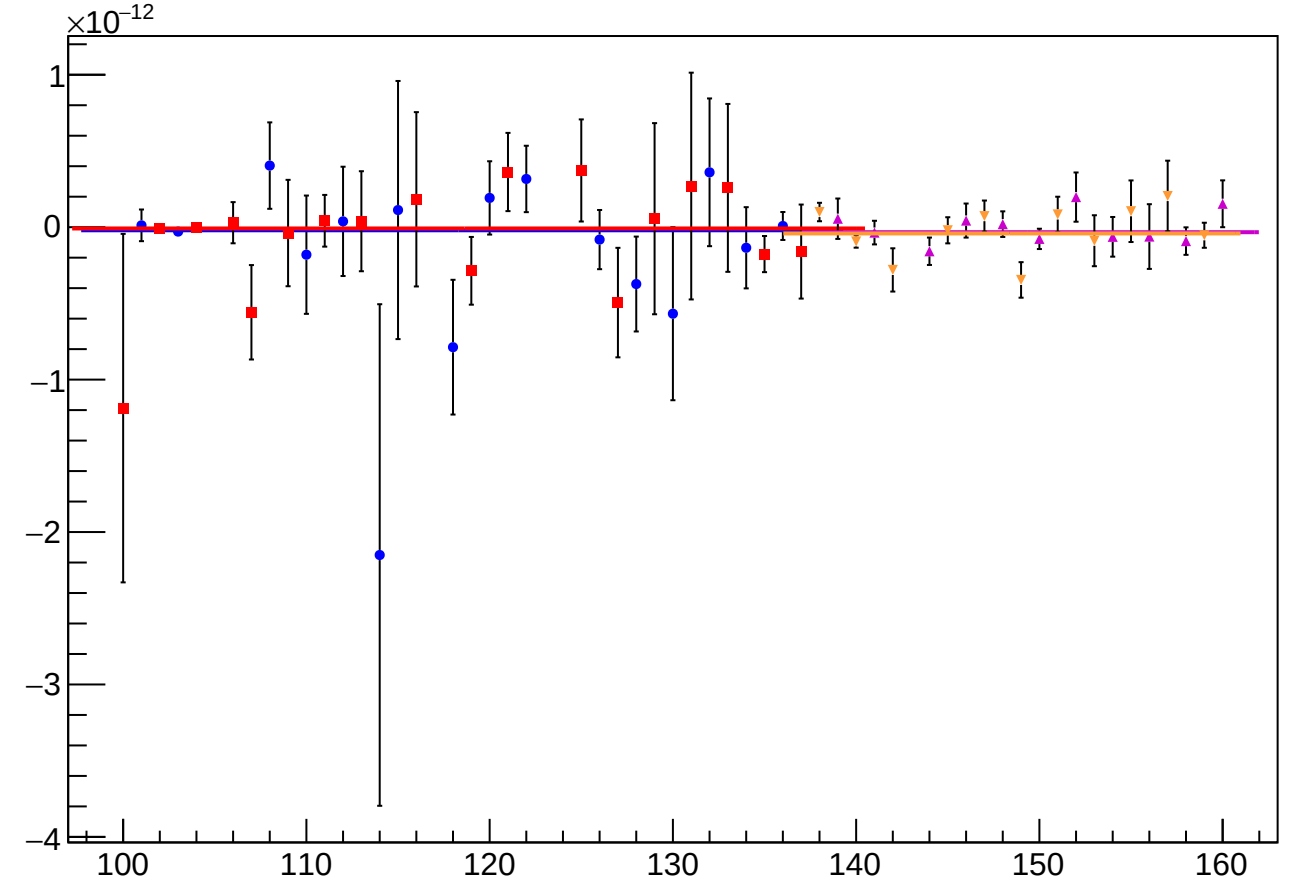
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3540.942+/-0.821 χ^2/NDF:438555.8/10

+ sign 2686.446+/-0.518 χ^2/NDF: 4731398.1/26

All: 2676.481+/-0.360 χ^2/NDF: 9243008.1/55

- 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:20.9/10

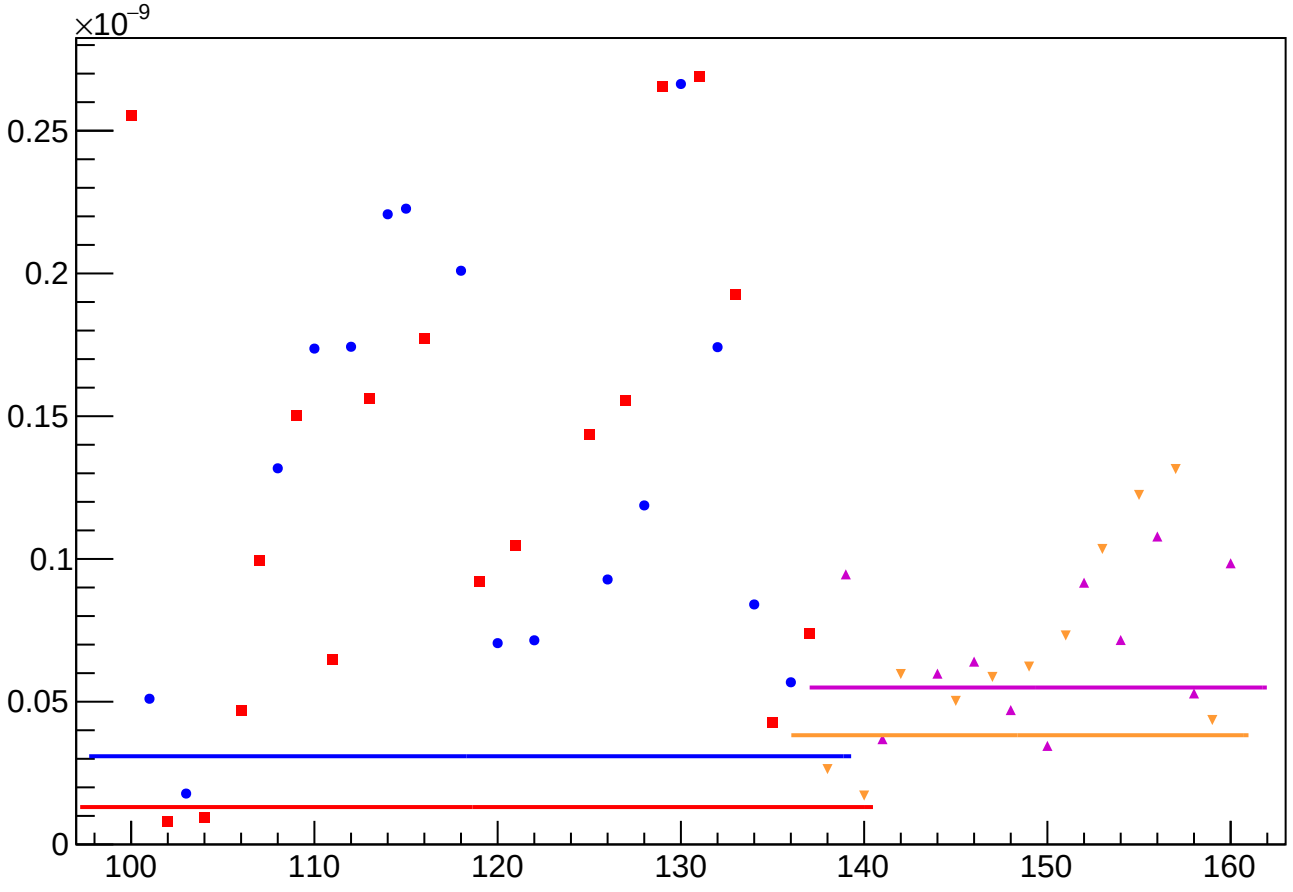
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:7.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.0/26

All: -0.000+/-0.000 χ^2/NDF: 57.8/55

- 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:2026632.3/10

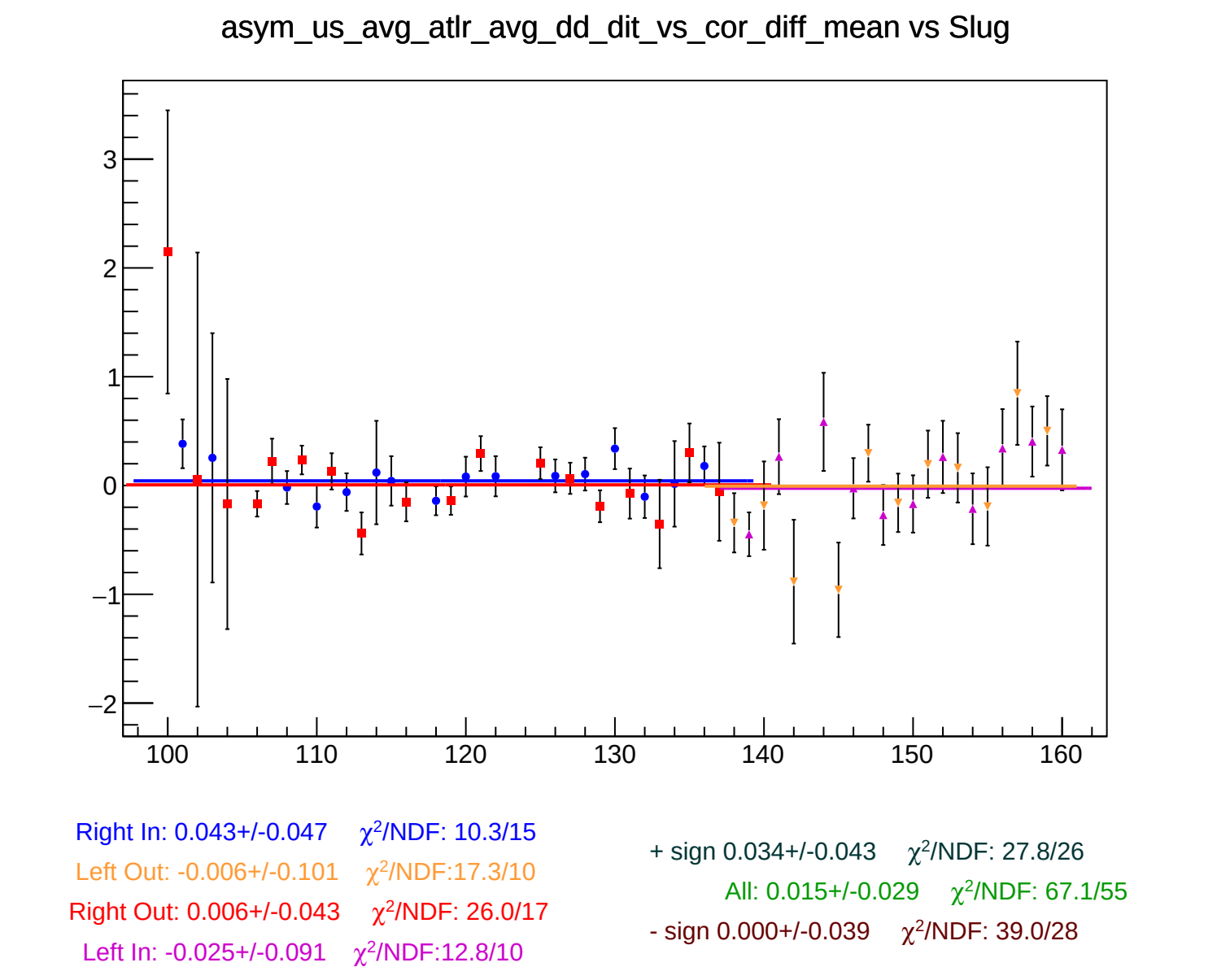
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:934752.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 5108344.2/26

All: 0.000+/-0.000 χ^2/NDF: 13467308.3/55

- sign 0.000+/-0.000 χ^2/NDF: 7648858.0/28


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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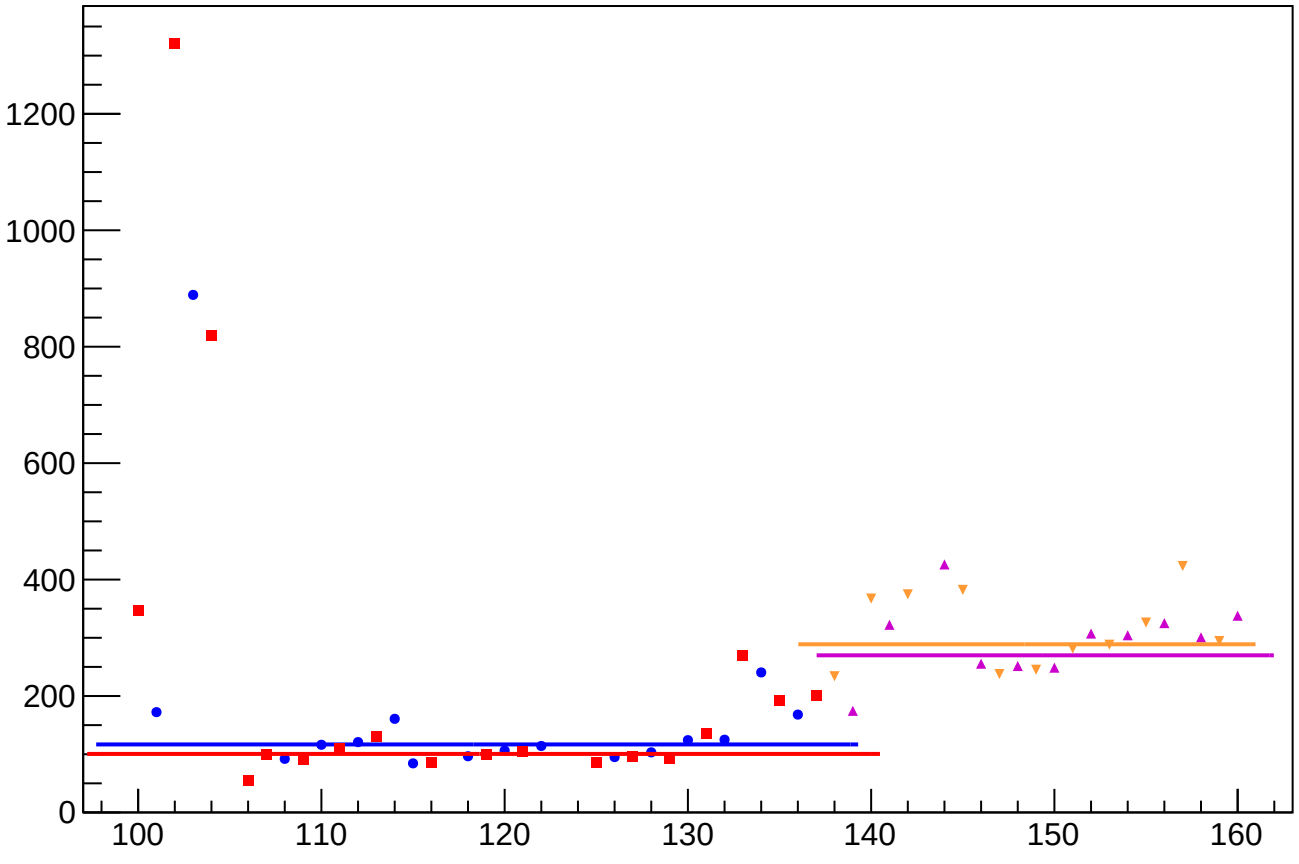
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.006+/-0.101 χ²/NDF:17.3/10
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.025+/-0.091 χ²/NDF:12.8/10
+ sign 0.034+/-0.043 χ²/NDF: 27.8/26
All: 0.015+/-0.029 χ²/NDF: 67.1/55
- sign 0.000+/-0.039 χ²/NDF: 39.0/28



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.887+/-0.071 χ^2/NDF:606942.2/10

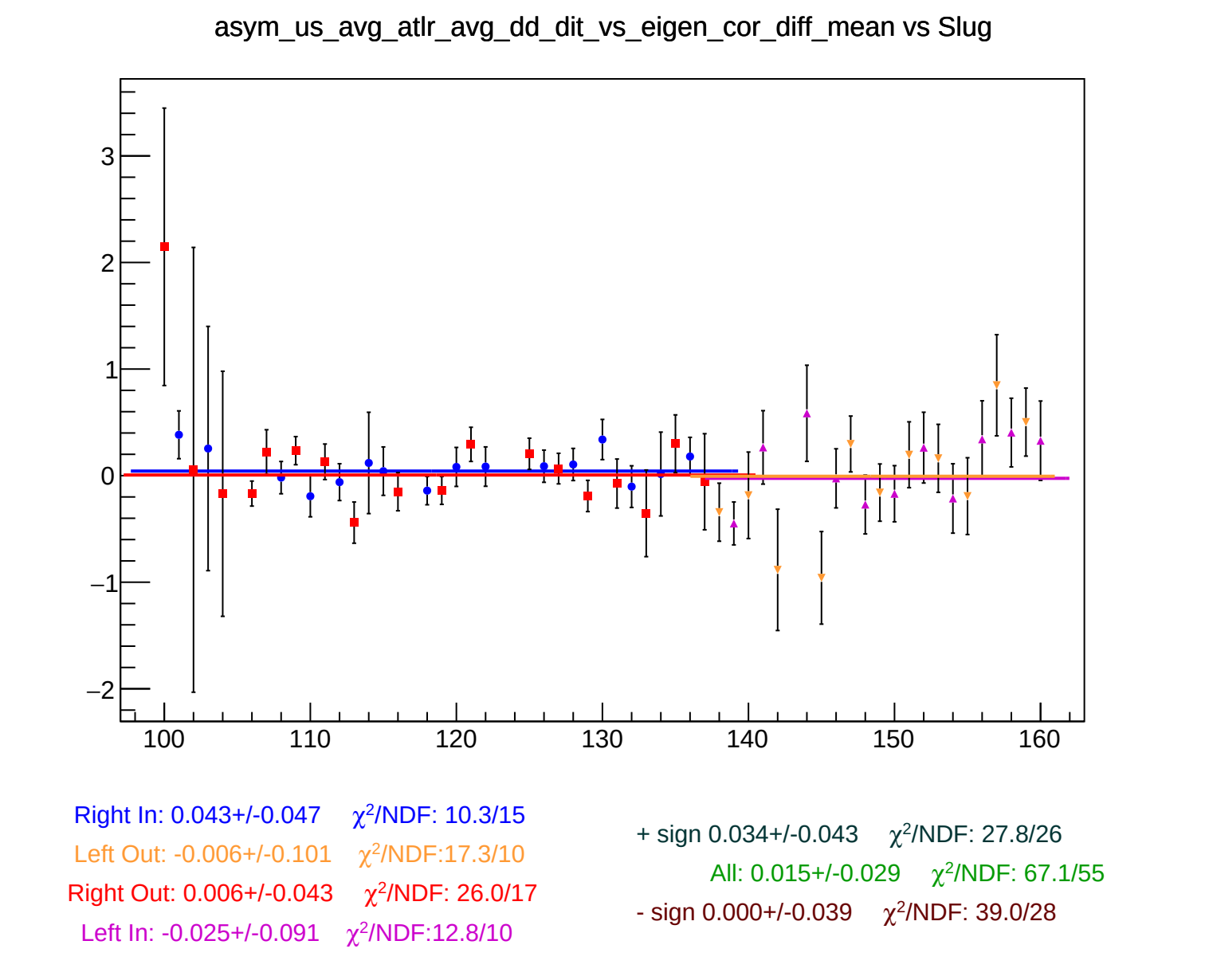
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 269.905+/-0.064 χ^2/NDF:941548.7/10

+ sign 148.121+/-0.030 χ^2/NDF: 7005008.1/26

All: 139.360+/-0.020 χ^2/NDF: 16439646.4/55

- sign 132.082+/-0.028 χ^2/NDF: 9282185.9/28


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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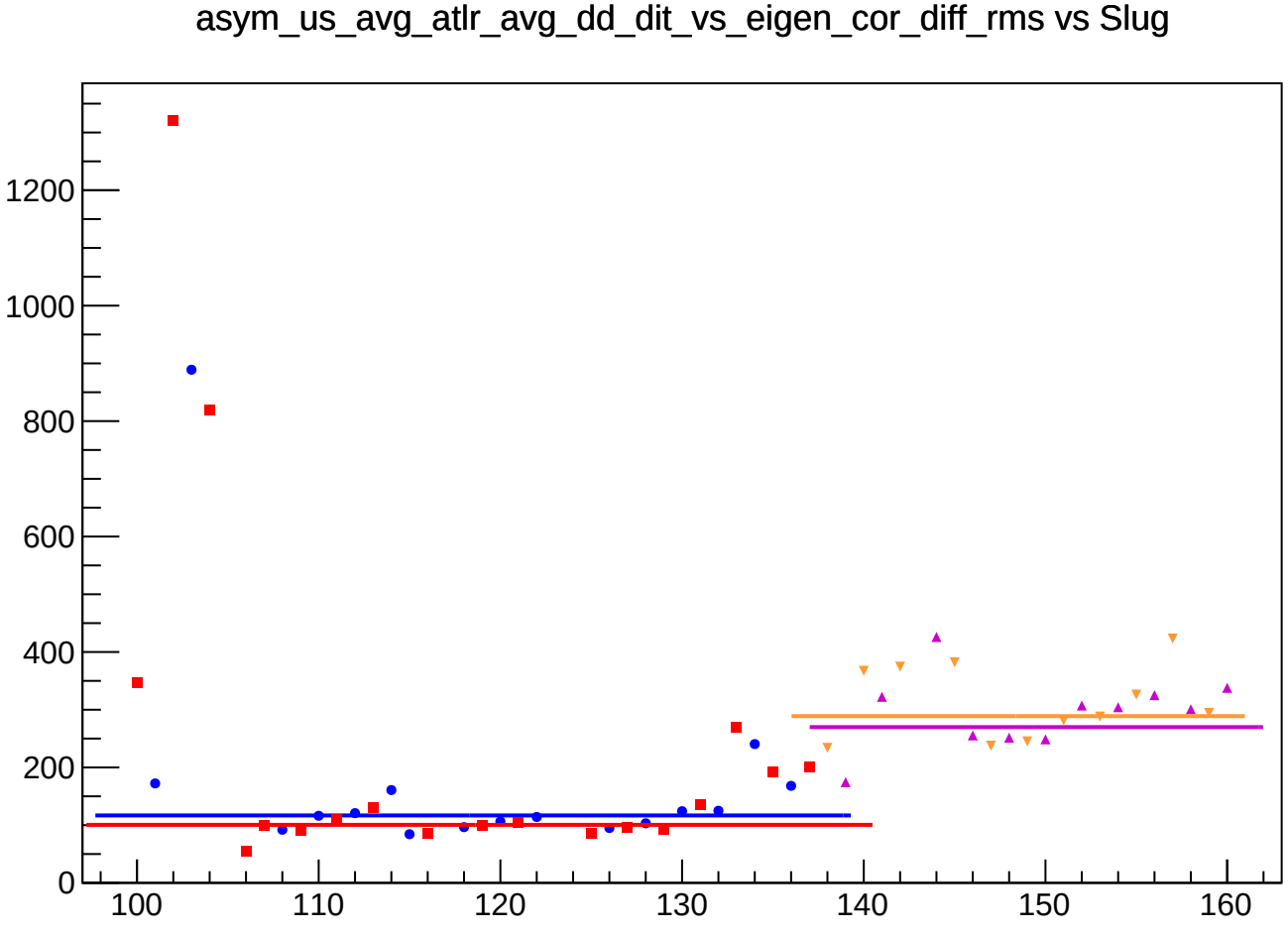
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.006+/-0.101 χ²/NDF:17.3/10
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.025+/-0.091 χ²/NDF:12.8/10
+ sign 0.034+/-0.043 χ²/NDF: 27.8/26
All: 0.015+/-0.029 χ²/NDF: 67.1/55
- sign 0.000+/-0.039 χ²/NDF: 39.0/28



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.887+/-0.071 χ^2/NDF:606942.2/10

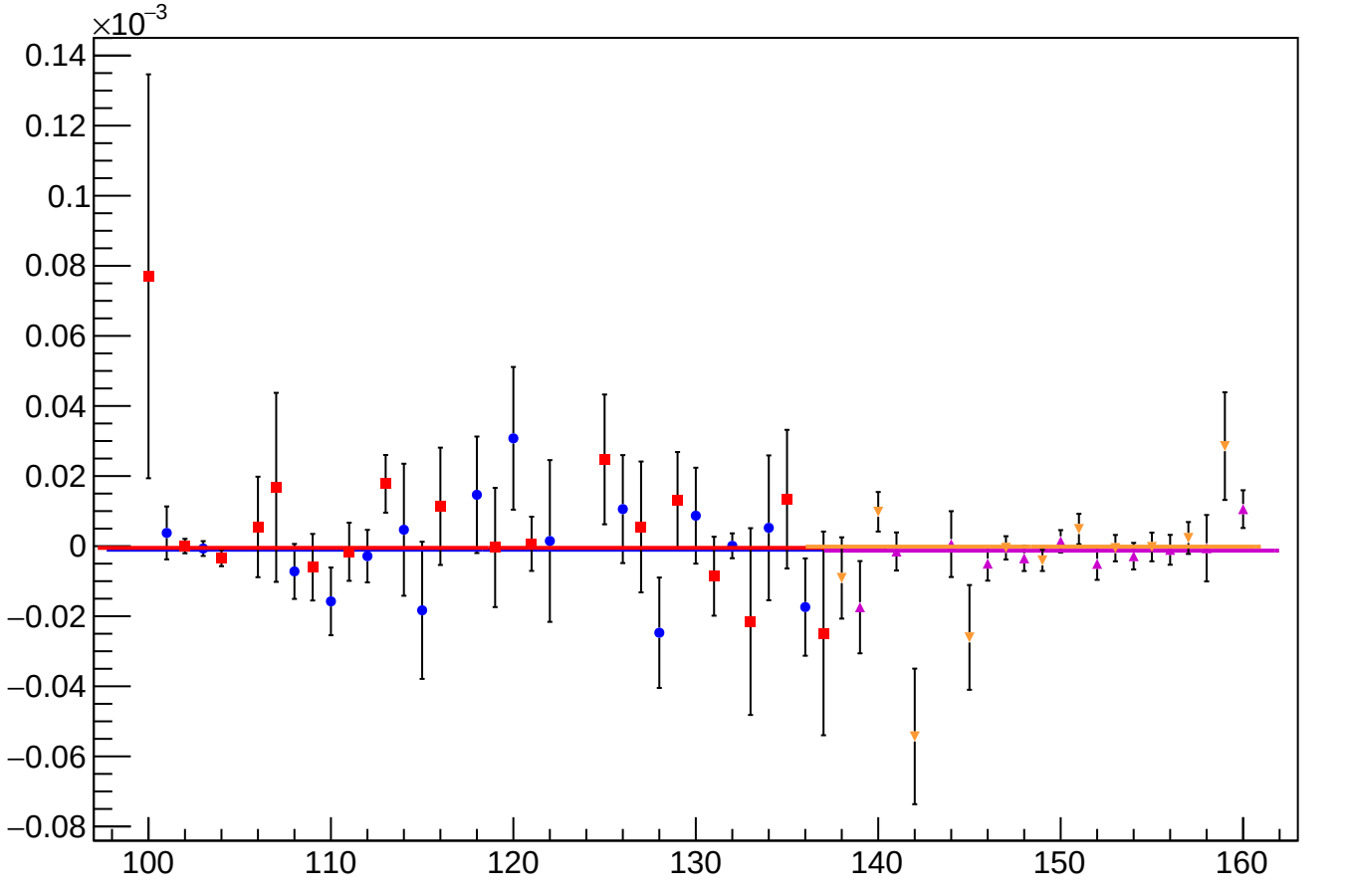
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 269.905+/-0.064 χ^2/NDF:941548.7/10

+ sign 148.121+/-0.030 χ^2/NDF: 7005008.1/26

All: 139.360+/-0.020 χ^2/NDF: 16439646.4/55

- 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:21.4/10

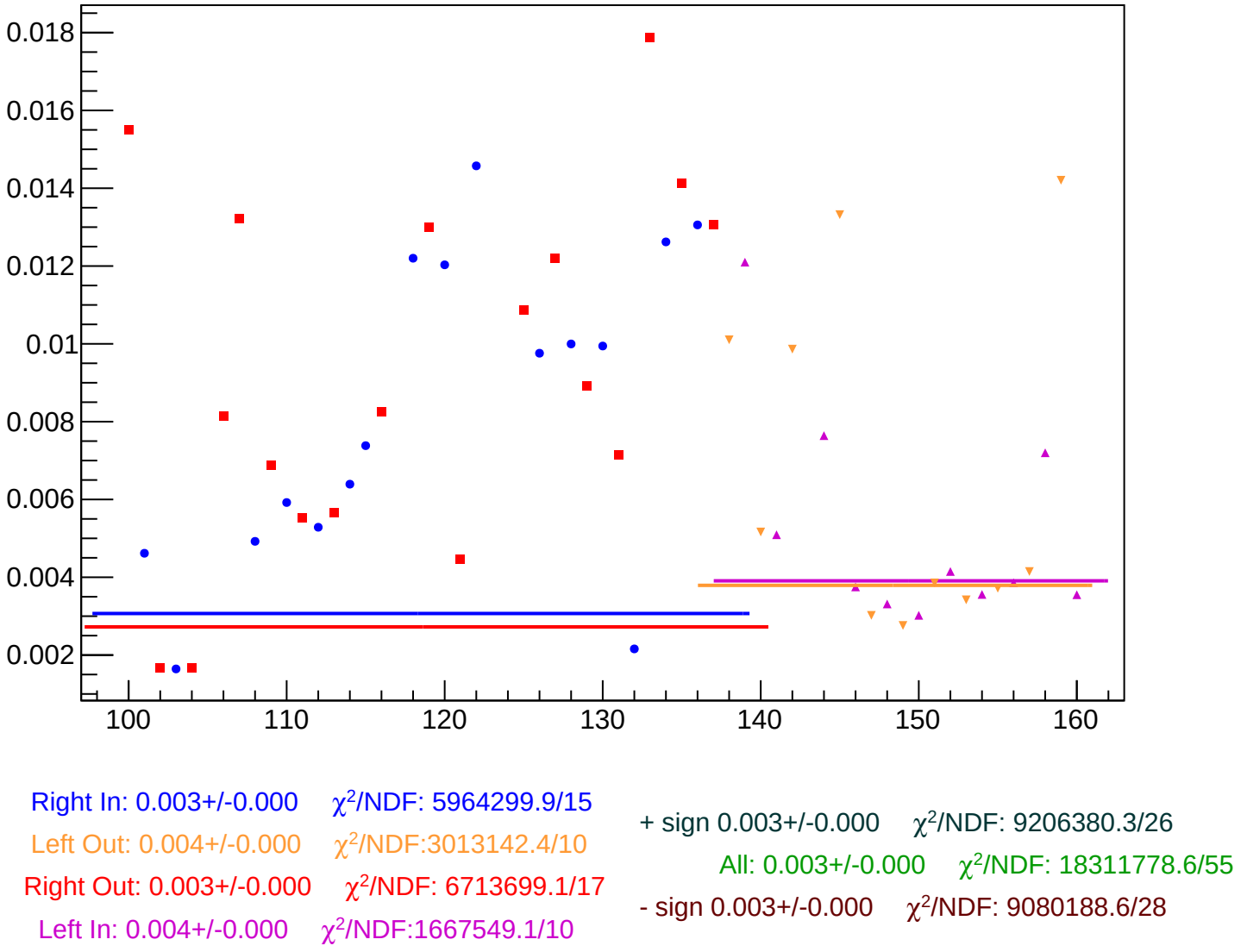
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:8.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 34.1/26

All: -0.000+/-0.000 χ^2/NDF: 58.3/55

- sign -0.000+/-0.000 χ^2/NDF: 24.1/28


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
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0.016
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0.01
0.008
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0.004
0.002
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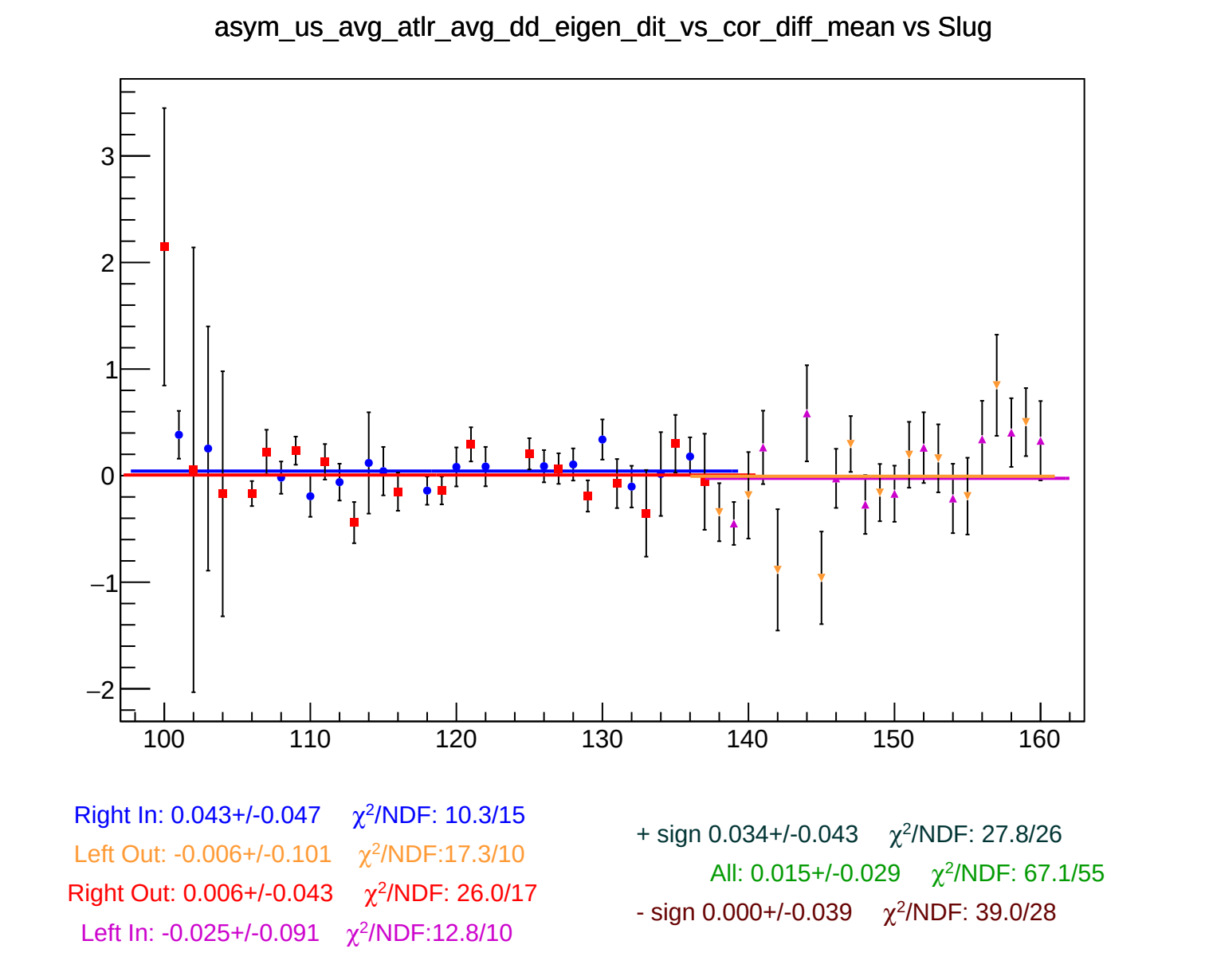
150
160
Right In: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.004+/-0.000 χ²/NDF:3013142.4/10
Right Out: 0.003+/-0.000 χ²/NDF: 6713699.1/17
Left In: 0.004+/-0.000 χ²/NDF:1667549.1/10
+ sign 0.003+/-0.000 χ²/NDF: 9206380.3/26
All: 0.003+/-0.000 χ²/NDF: 18311778.6/55
- sign 0.003+/-0.000 χ²/NDF: 9080188.6/28


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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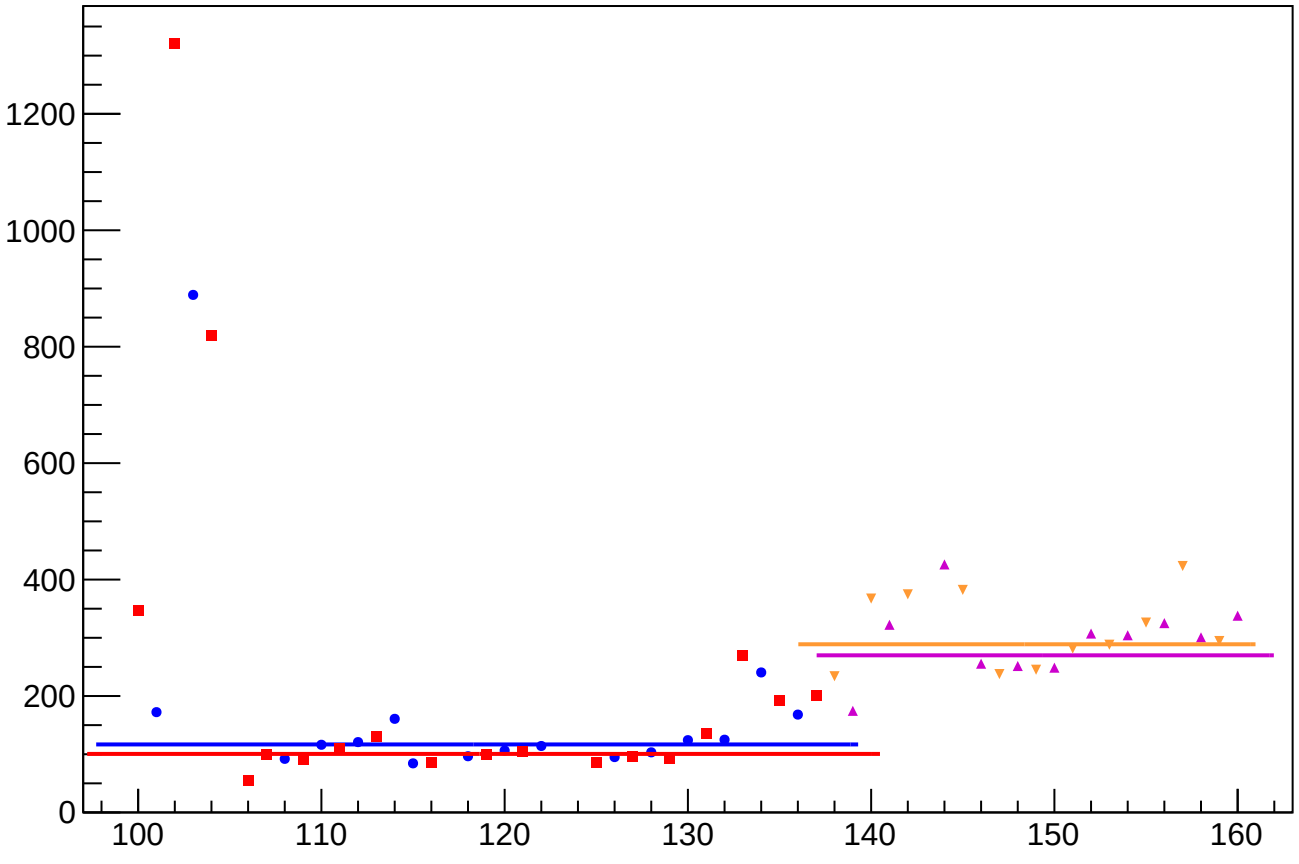
140
150
160
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.006+/-0.101 χ²/NDF:17.3/10
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.025+/-0.091 χ²/NDF:12.8/10
+ sign 0.034+/-0.043 χ²/NDF: 27.8/26
All: 0.015+/-0.029 χ²/NDF: 67.1/55
- sign 0.000+/-0.039 χ²/NDF: 39.0/28



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.890+/-0.071 χ^2/NDF:606943.2/10

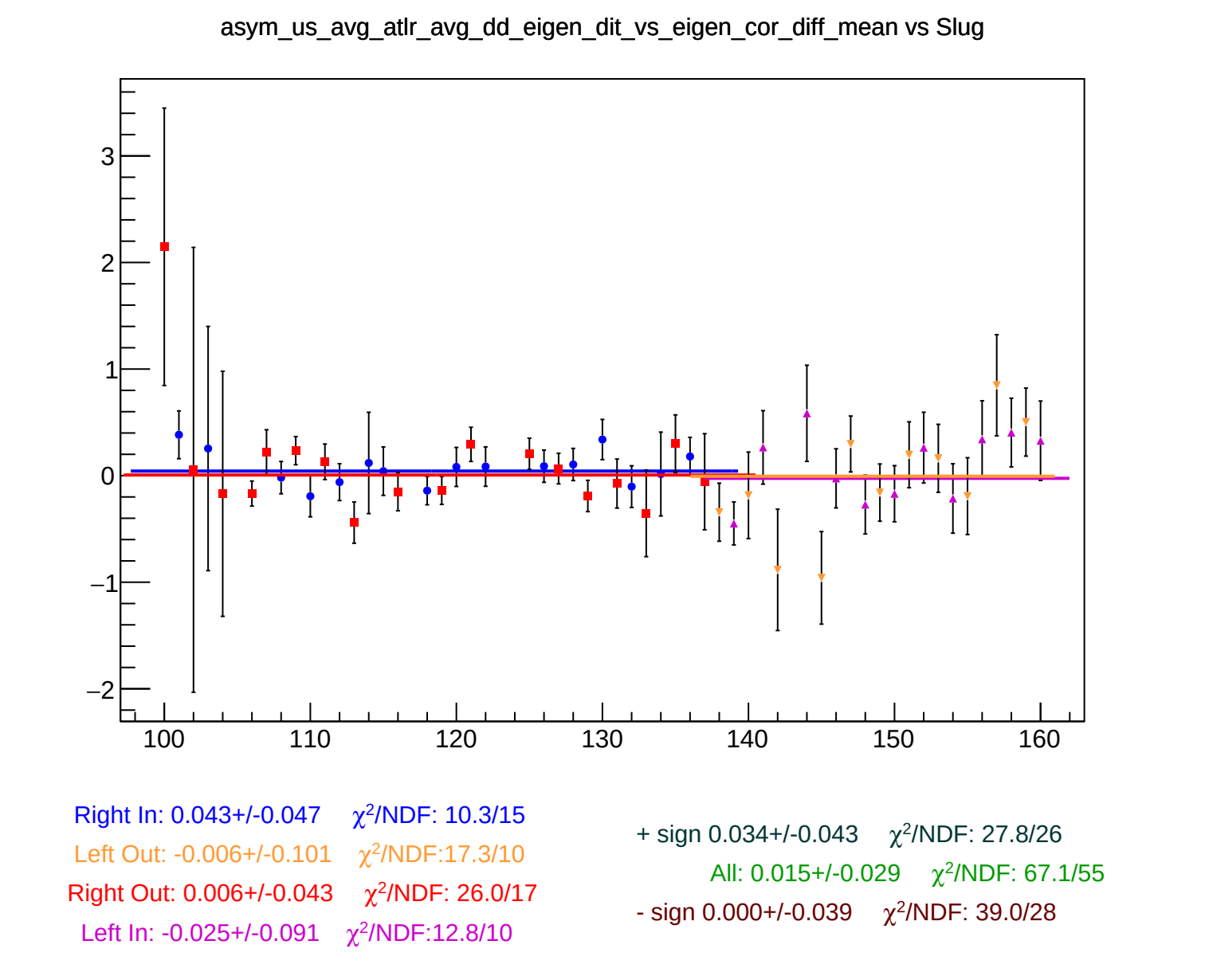
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 269.908+/-0.064 χ^2/NDF:941504.8/10

+ sign 148.121+/-0.030 χ^2/NDF: 7005094.4/26

All: 139.360+/-0.020 χ^2/NDF: 16439989.4/55

- 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
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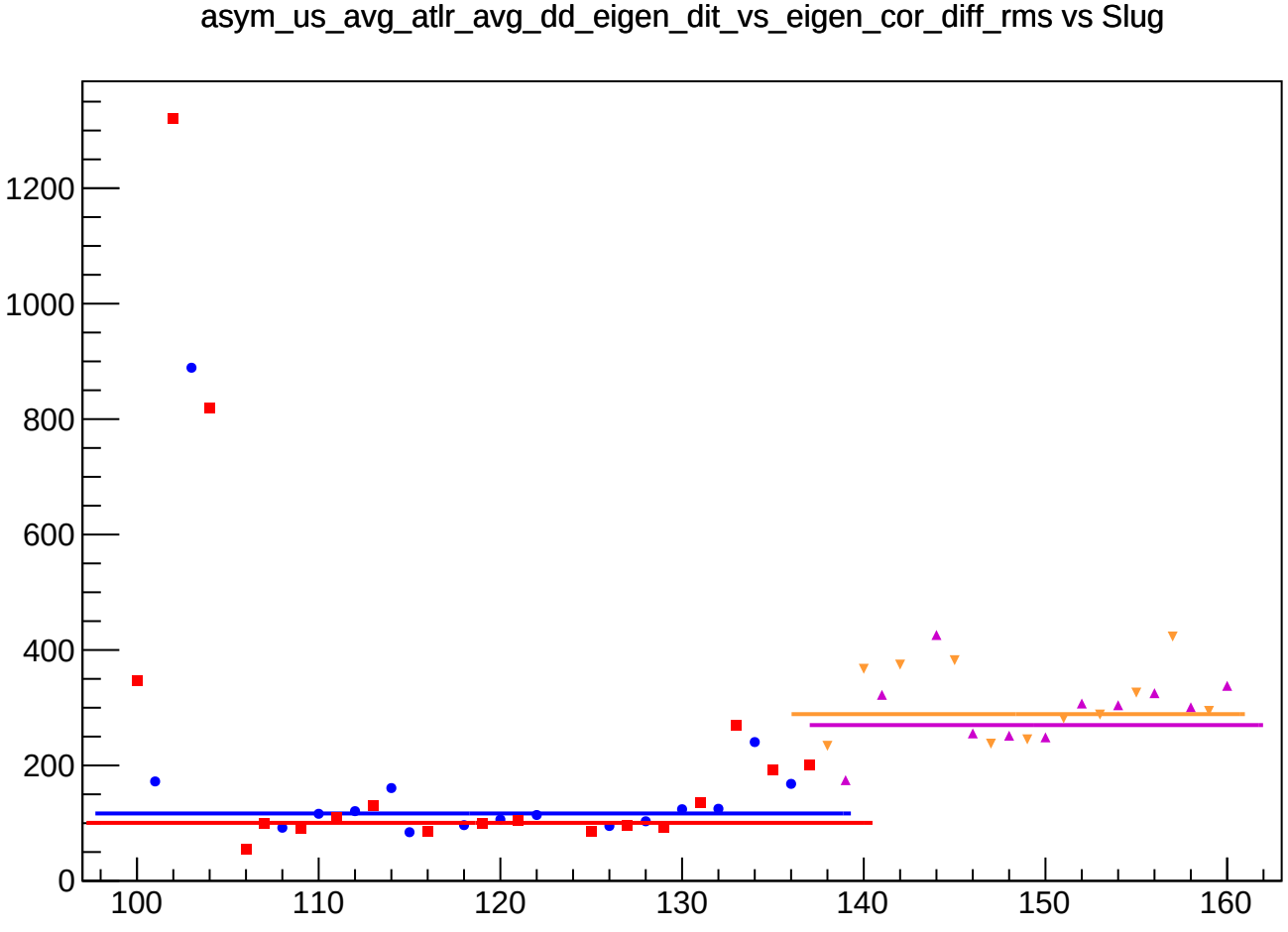
160
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.006+/-0.101 χ²/NDF:17.3/10
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.025+/-0.091 χ²/NDF:12.8/10
+ sign 0.034+/-0.043 χ²/NDF: 27.8/26
All: 0.015+/-0.029 χ²/NDF: 67.1/55
- sign 0.000+/-0.039 χ²/NDF: 39.0/28



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.890+/-0.071 χ^2/NDF:606943.2/10

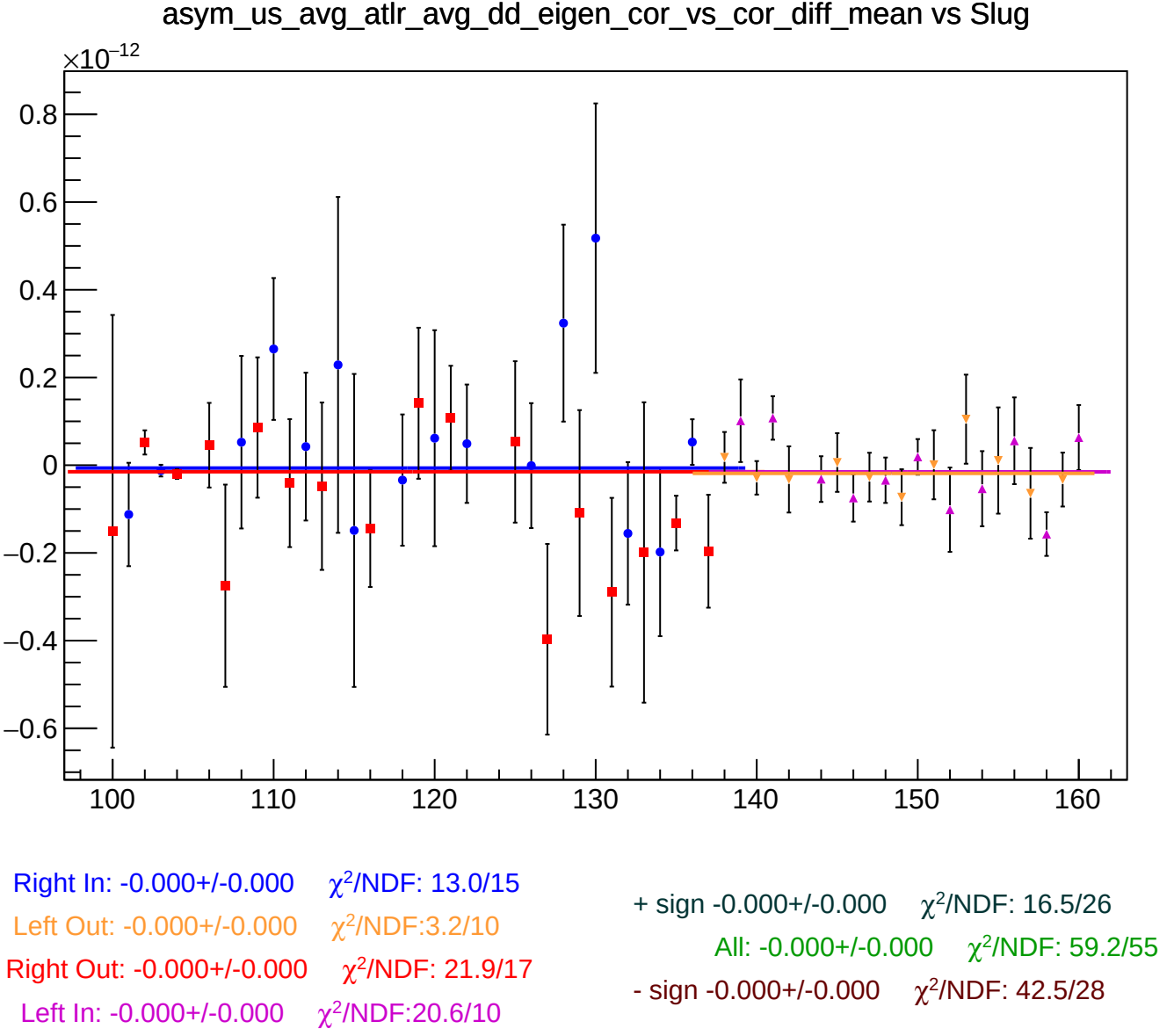
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 269.908+/-0.064 χ^2/NDF:941504.8/10

+ sign 148.121+/-0.030 χ^2/NDF: 7005094.4/26

All: 139.360+/-0.020 χ^2/NDF: 16439989.4/55

- 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
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150
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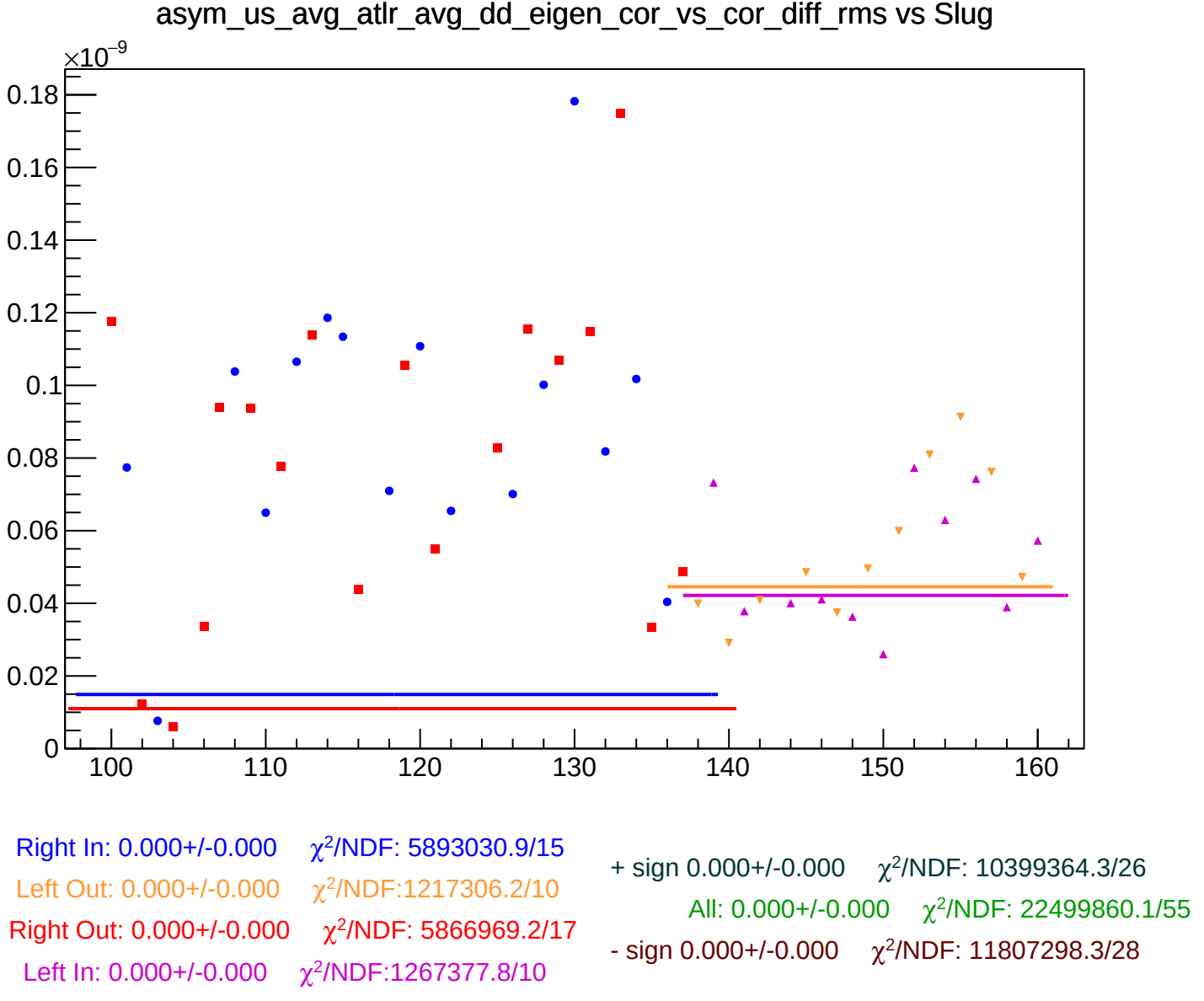
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.2/10
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: -0.000+/-0.000 χ²/NDF:20.6/10
+ sign -0.000+/-0.000 χ²/NDF: 16.5/26
All: -0.000+/-0.000 χ²/NDF: 59.2/55
- sign -0.000+/-0.000 χ²/NDF: 42.5/28


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
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0.1
0.08
0.06
0.04
0.02
0
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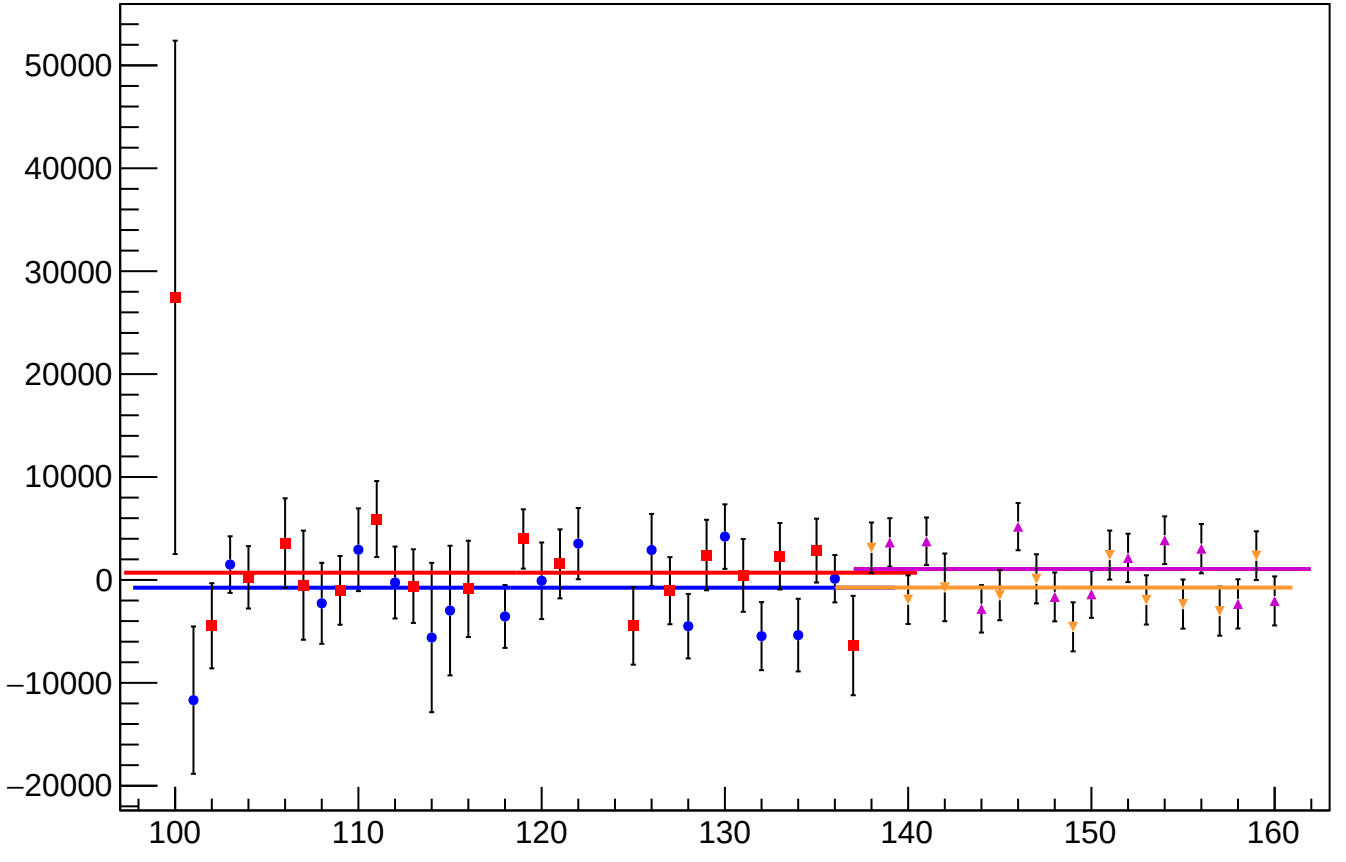
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1217306.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:1267377.8/10
+ sign 0.000+/-0.000 χ²/NDF: 10399364.3/26
All: 0.000+/-0.000 χ²/NDF: 22499860.1/55
- sign 0.000+/-0.000 χ²/NDF: 11807298.3/28

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -741.737+/-737.747 χ^2/NDF:10.6/10

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

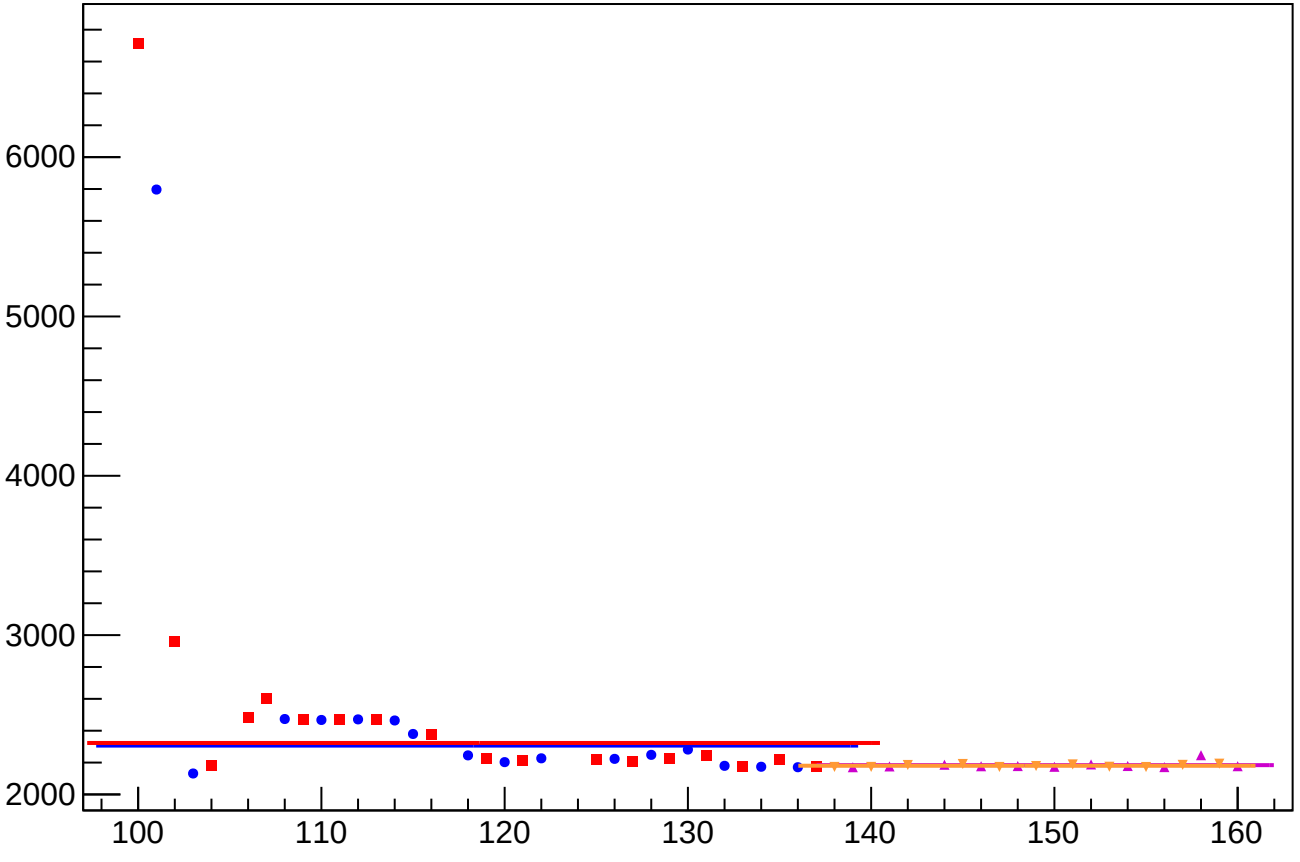
Left In: 1059.575+/-706.339 χ^2/NDF:17.1/10

+ sign -746.970+/-563.393 χ^2/NDF: 26.5/26

All: 108.187+/-392.833 χ^2/NDF: 60.5/55

- 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: 2180.239+/-0.522 χ^2/NDF:236.6/10

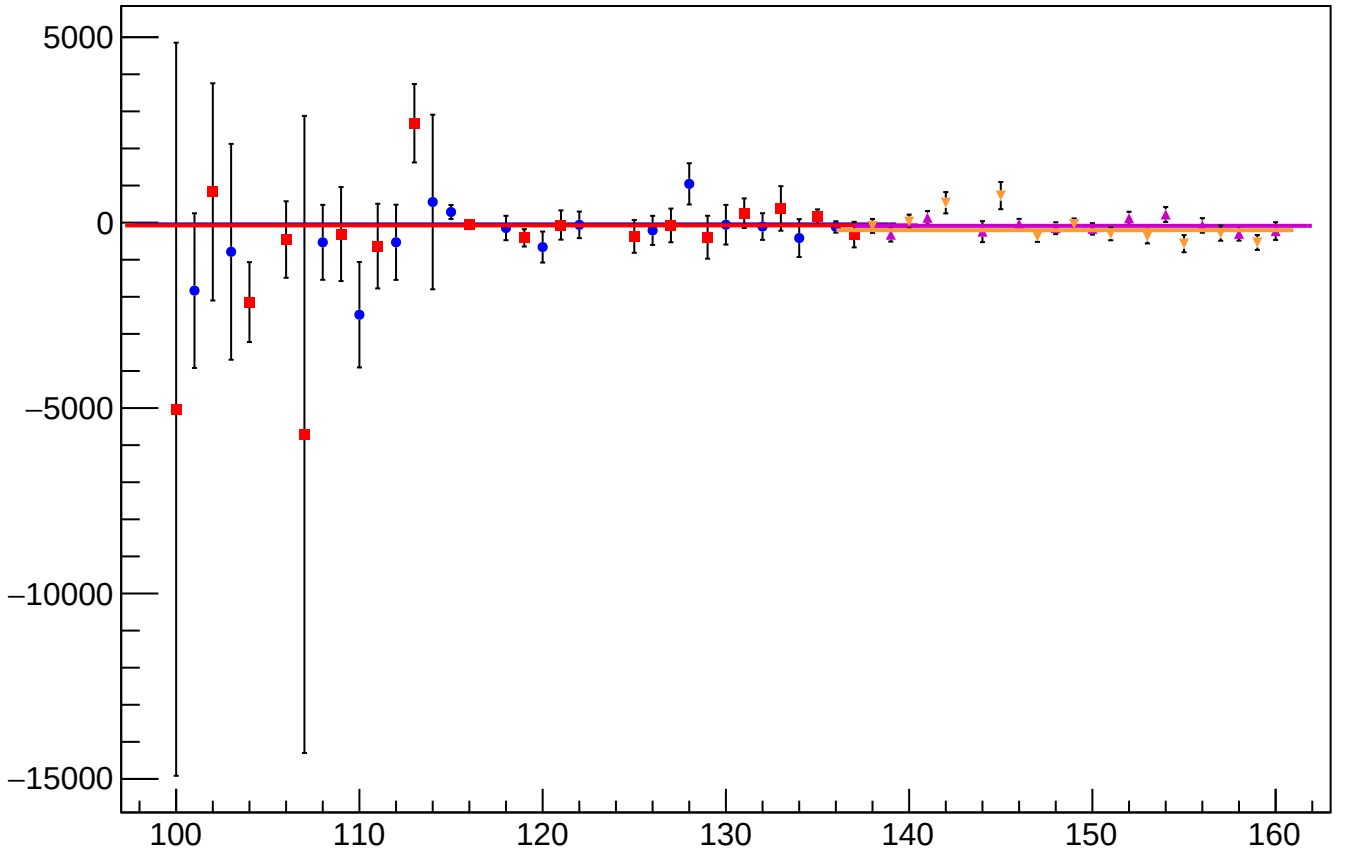
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2183.856+/-0.499 χ^2/NDF:1604.7/10

+ sign 2232.926+/-0.398 χ^2/NDF: 538859.6/26

All: 2236.172+/-0.278 χ^2/NDF: 723277.3/55

- 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: -204.163+/-58.126 χ^2/NDF:24.0/10

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

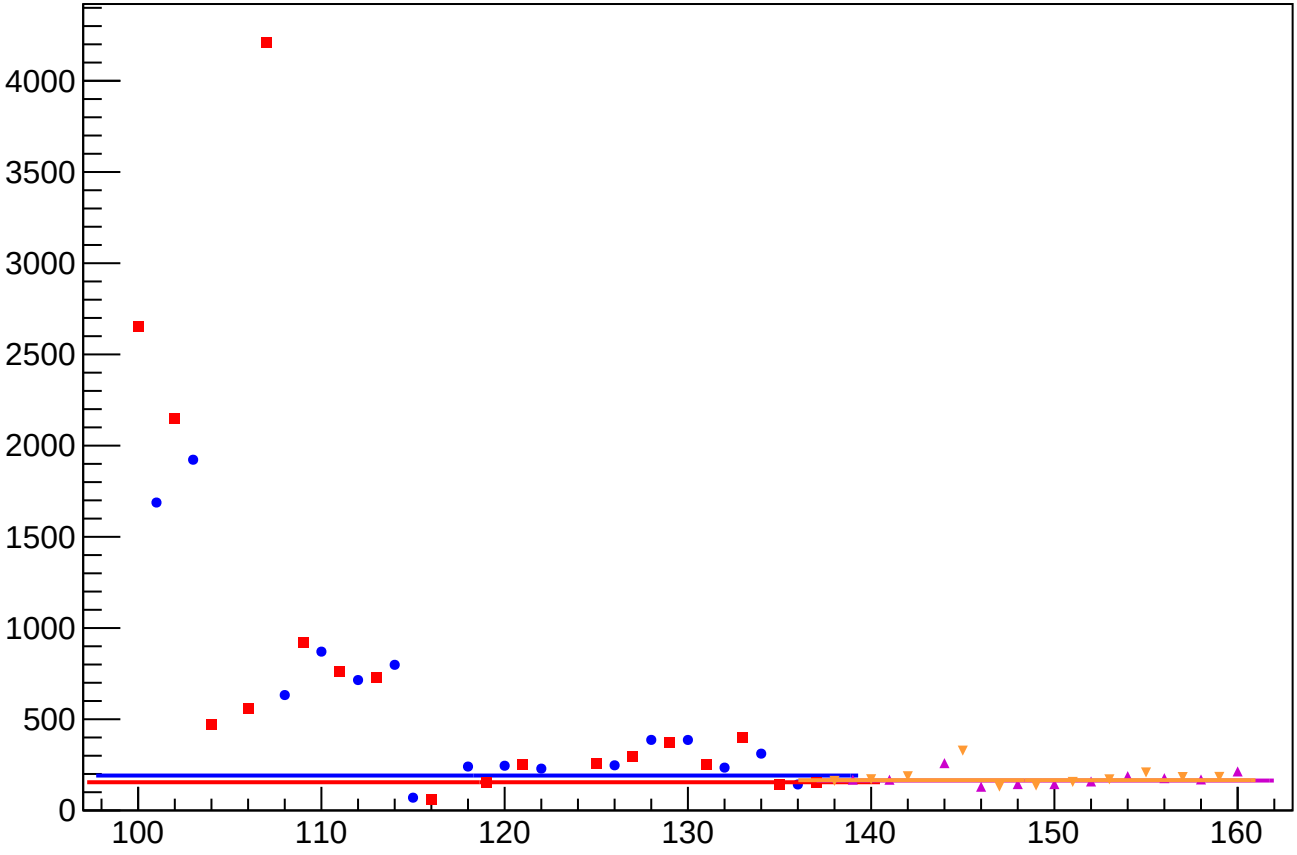
Left In: -86.386+/-54.647 χ^2/NDF:9.4/10

+ sign -158.829+/-48.972 χ^2/NDF: 40.5/26

All: -117.983+/-33.349 χ^2/NDF: 68.8/55

- sign -82.663+/-45.539 χ^2/NDF: 27.1/28

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 165.959+/-0.041 χ^2/NDF:698593.9/10

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

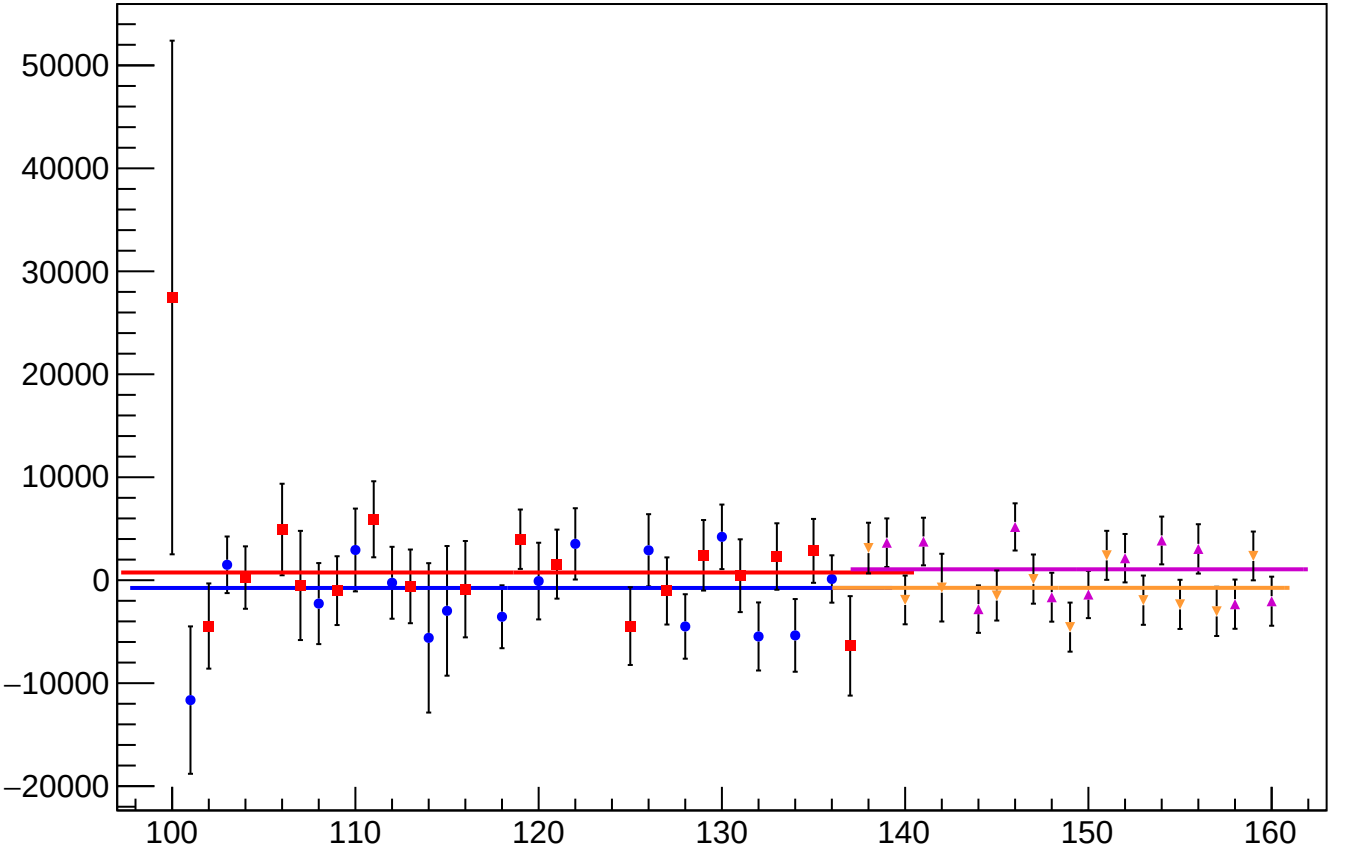
Left In: 163.911+/-0.039 χ^2/NDF:538138.9/10

+ sign 173.335+/-0.035 χ^2/NDF: 5874345.3/26

All: 166.768+/-0.024 χ^2/NDF: 12651284.1/55

- 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: -741.732+/-737.747 χ^2/NDF:10.6/10

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

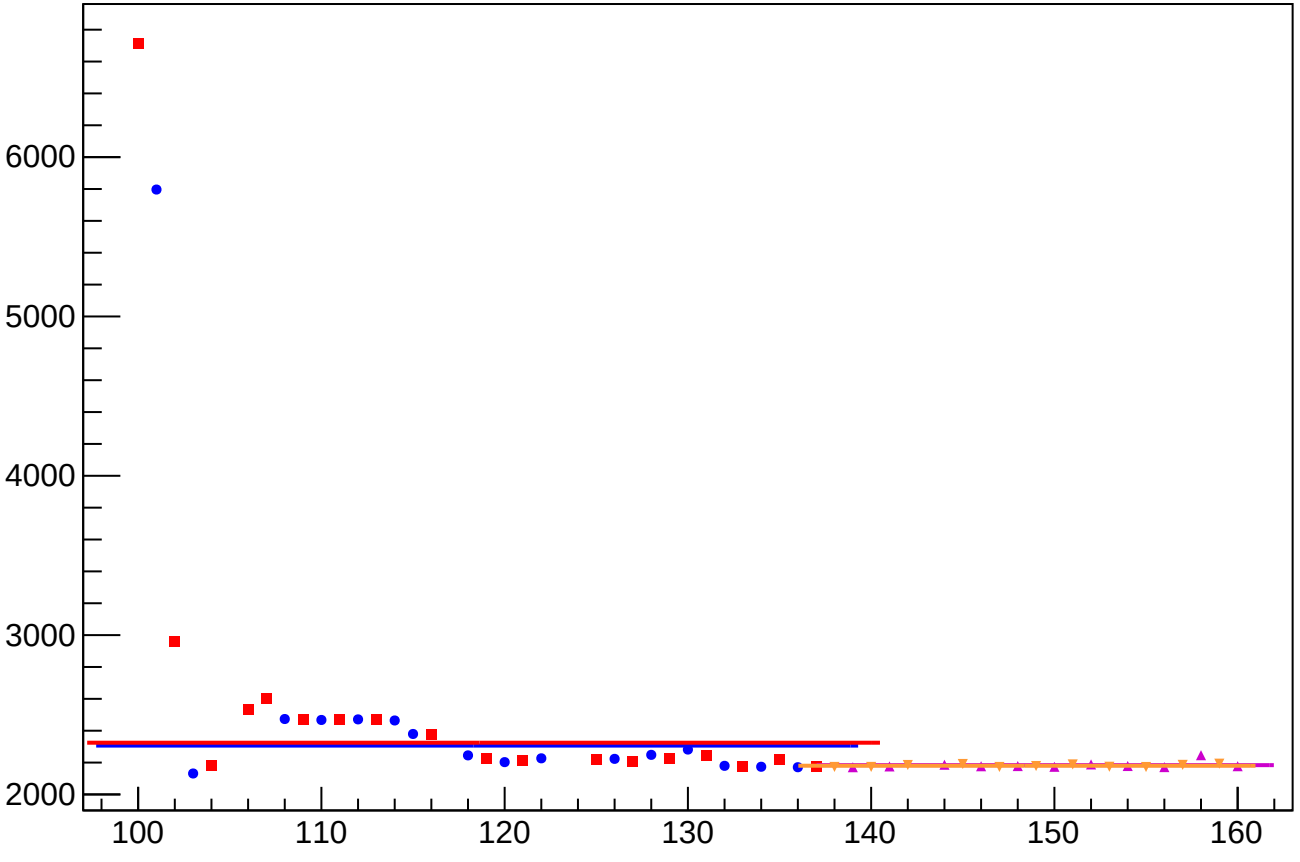
Left In: 1059.463+/-706.339 χ^2/NDF:17.1/10

+ sign -746.563+/-563.393 χ^2/NDF: 26.5/26

All: 117.773+/-392.900 χ^2/NDF: 61.0/55

- 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: 2180.239+/-0.522 χ^2/NDF:236.6/10

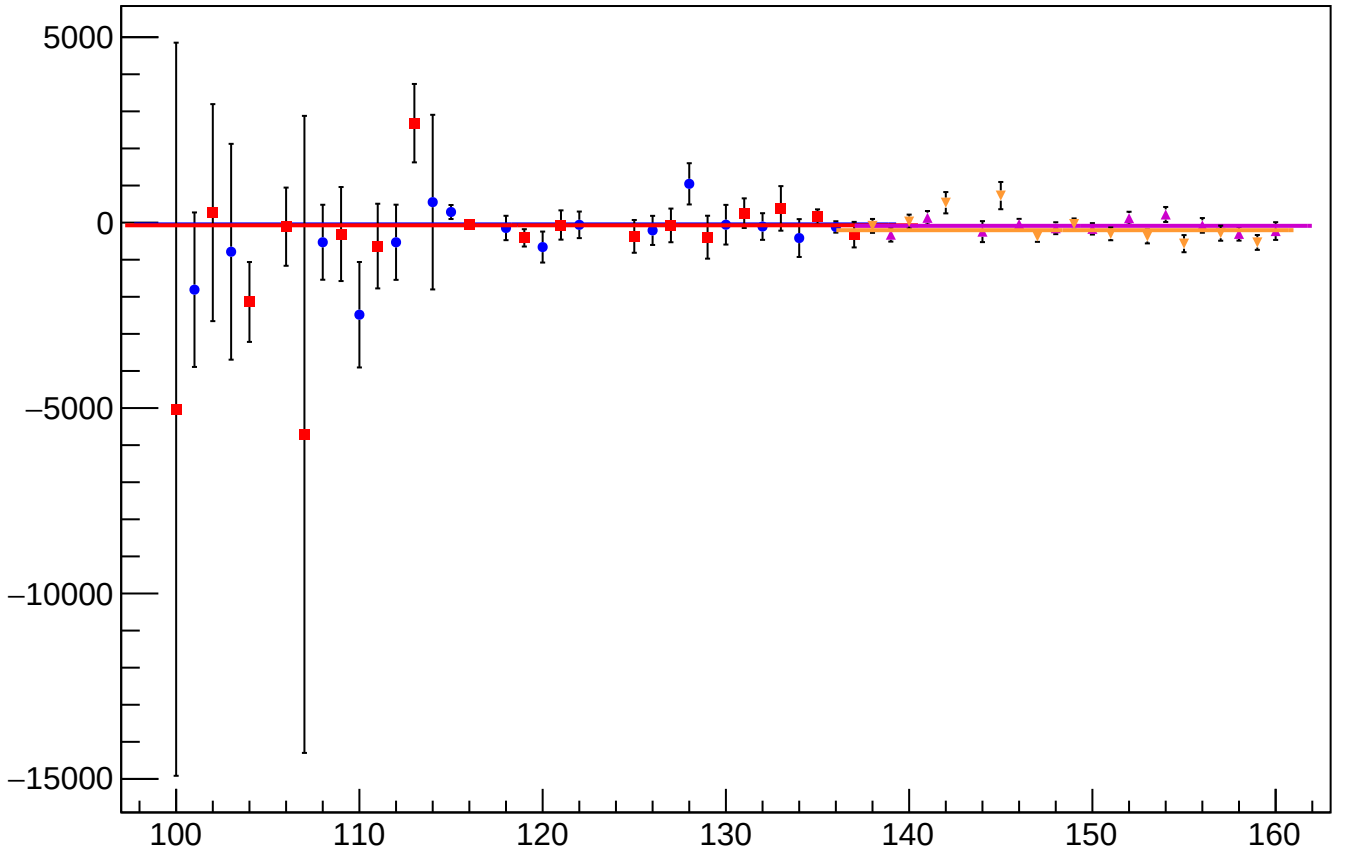
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.856+/-0.499 χ^2/NDF:1604.7/10

+ sign 2232.926+/-0.398 χ^2/NDF: 538859.9/26

All: 2236.485+/-0.278 χ^2/NDF: 725811.7/55

- 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: -204.066+/-58.128 χ^2/NDF:24.0/10

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

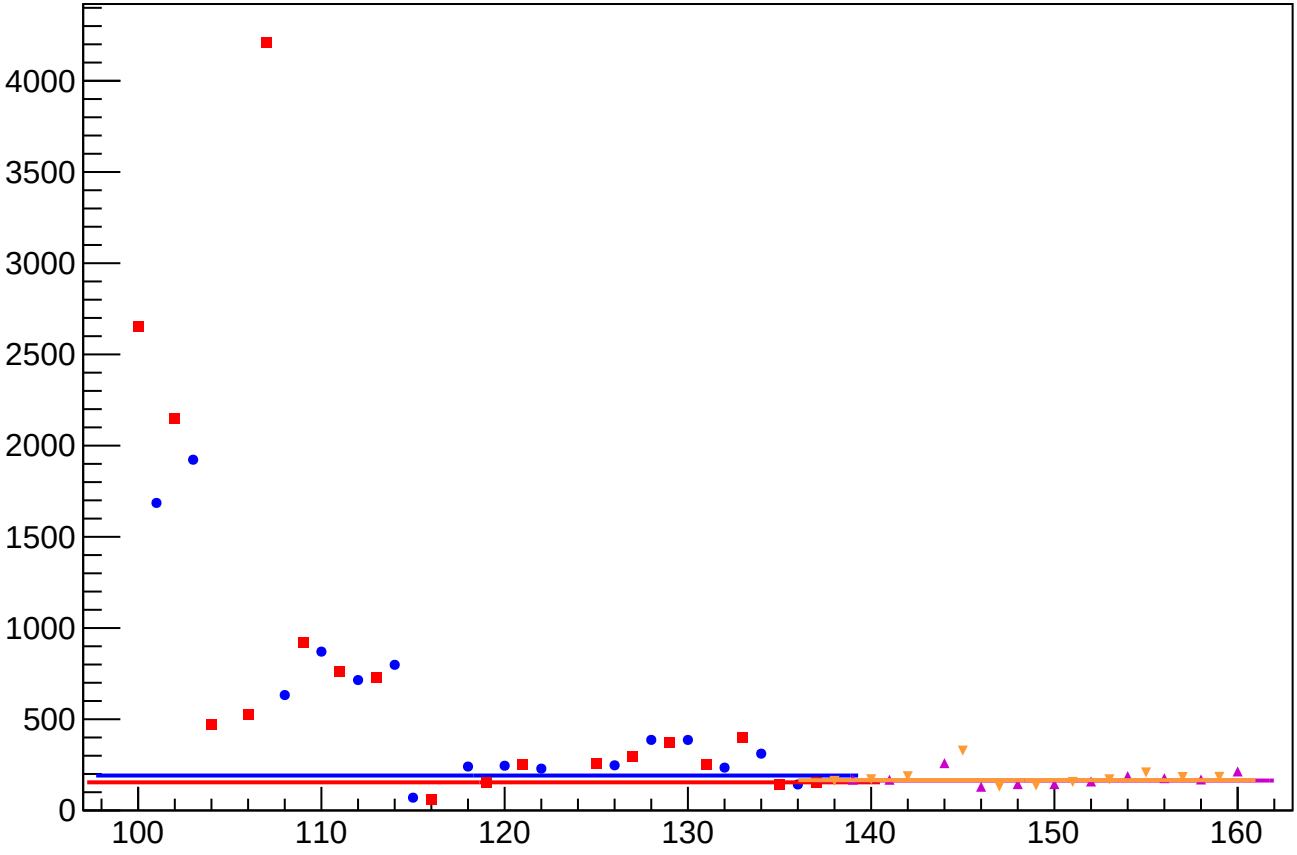
Left In: -86.426+/-54.652 χ^2/NDF:9.4/10

+ sign -158.772+/-48.974 χ^2/NDF: 40.4/26

All: -117.633+/-33.346 χ^2/NDF: 68.6/55

- sign -82.073+/-45.532 χ^2/NDF: 26.8/28

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 165.963+/-0.041 χ^2/NDF:698686.9/10

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

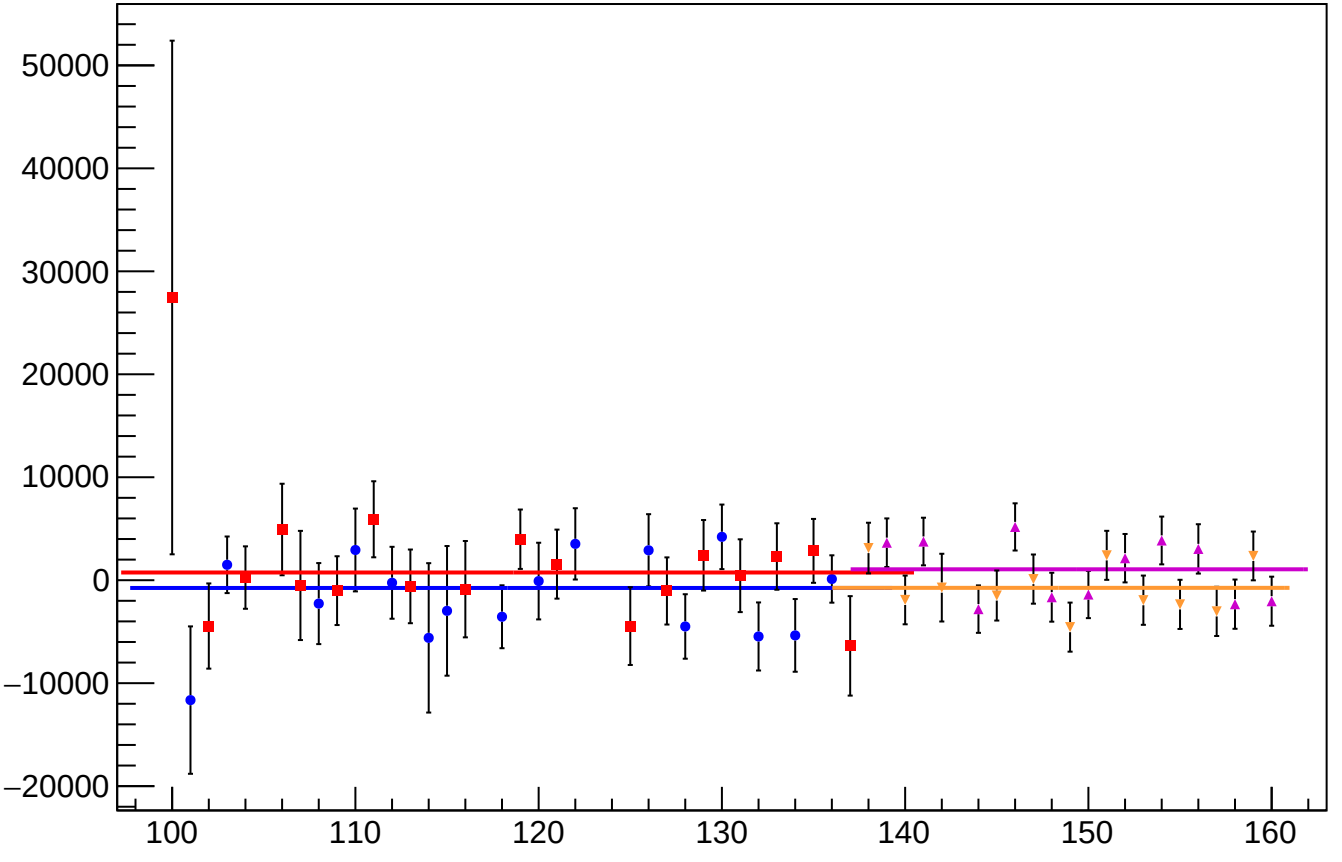
Left In: 163.928+/-0.039 χ^2/NDF:538250.9/10

+ sign 173.345+/-0.035 χ^2/NDF: 5873457.2/26

All: 166.685+/-0.024 χ^2/NDF: 12609035.2/55

- 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: -741.732+/-737.747 χ^2/NDF:10.6/10

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

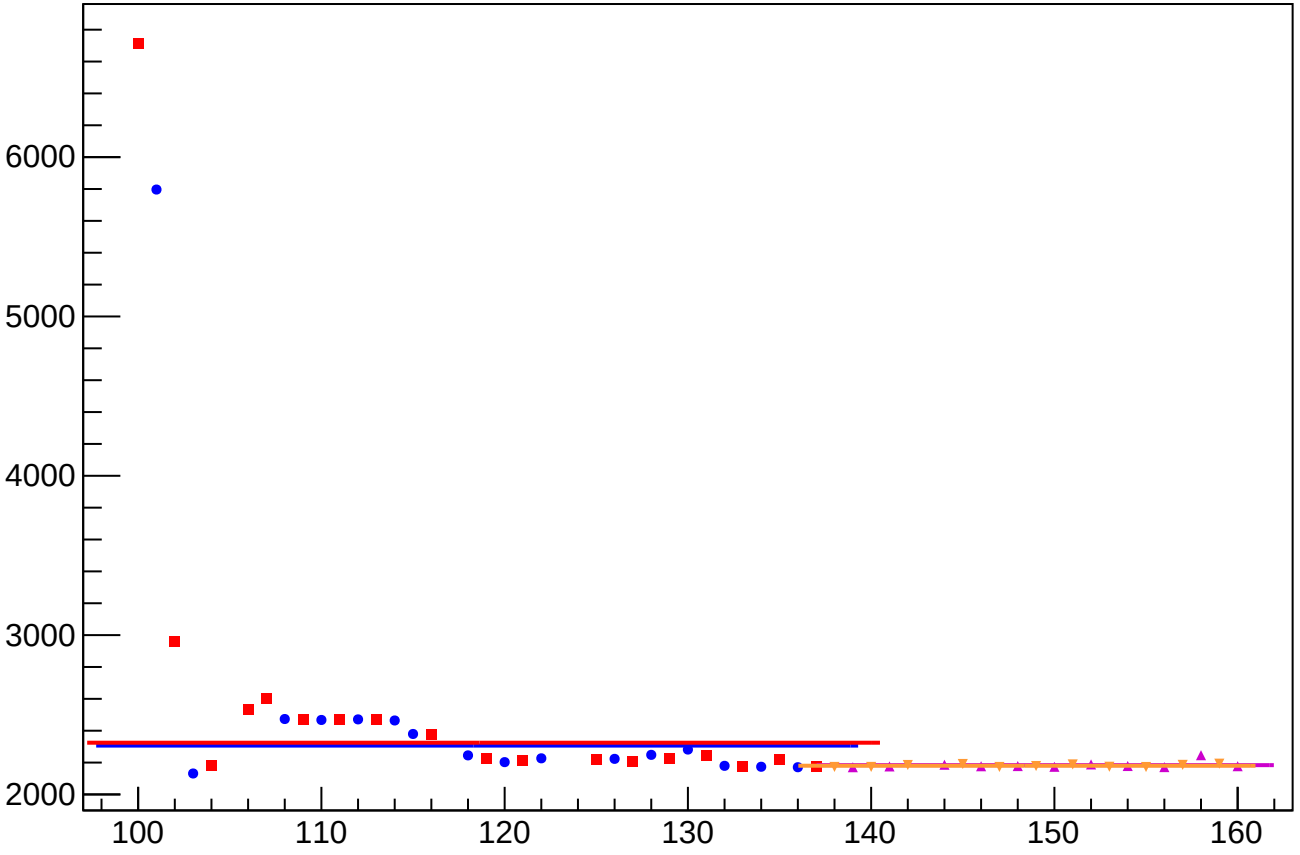
Left In: 1059.463+/-706.339 χ^2/NDF:17.1/10

+ sign -746.563+/-563.393 χ^2/NDF: 26.5/26

All: 117.773+/-392.900 χ^2/NDF: 61.0/55

- 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: 2180.239+/-0.522 χ^2/NDF:236.6/10

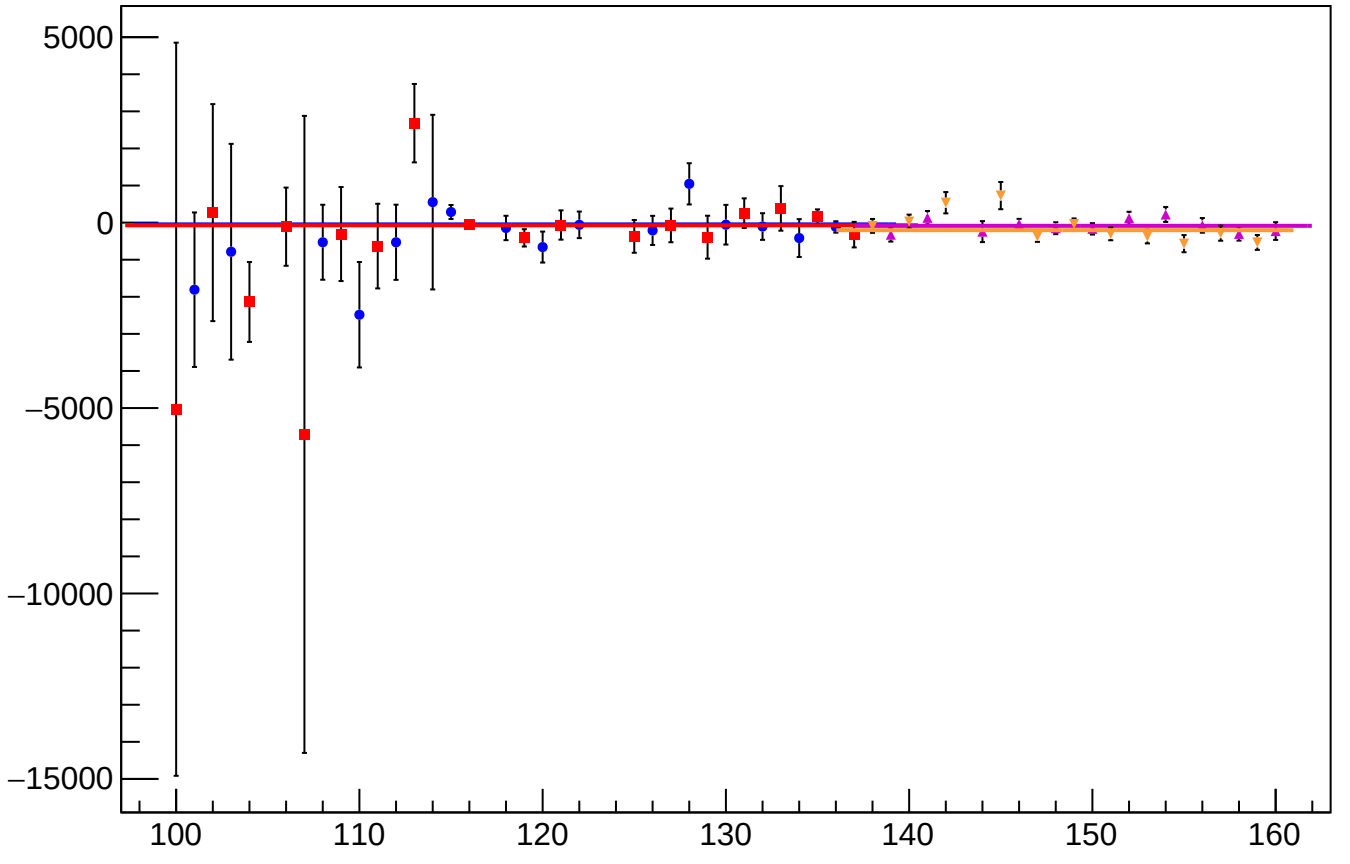
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.856+/-0.499 χ^2/NDF:1604.7/10

+ sign 2232.926+/-0.398 χ^2/NDF: 538859.9/26

All: 2236.485+/-0.278 χ^2/NDF: 725811.7/55

- 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: -204.066+/-58.128 χ^2/NDF:24.0/10

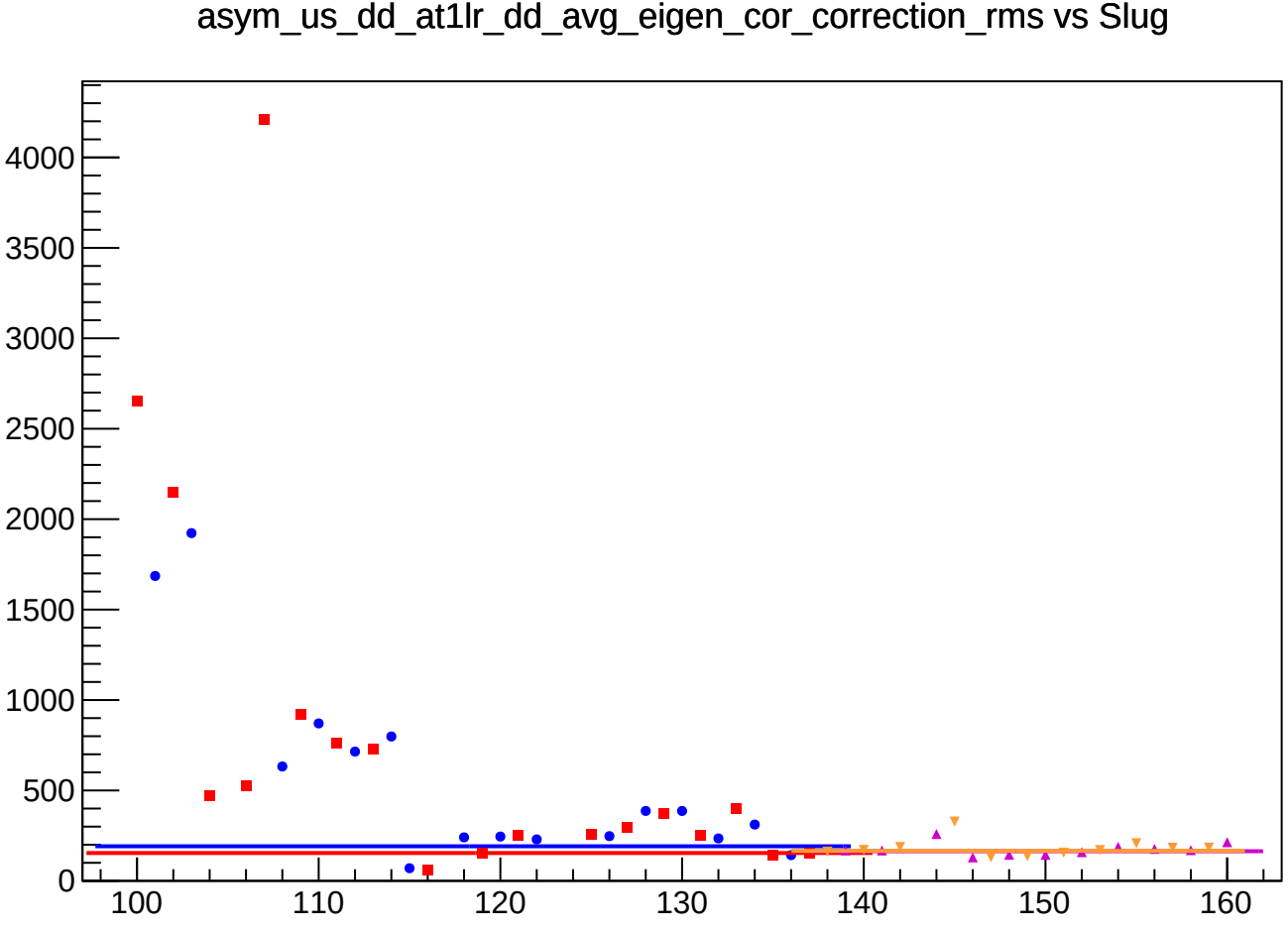
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -86.426+/-54.652 χ^2/NDF:9.4/10

+ sign -158.772+/-48.974 χ^2/NDF: 40.4/26

All: -117.633+/-33.346 χ^2/NDF: 68.6/55

- 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: 165.963+/-0.041 χ^2/NDF:698686.9/10

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

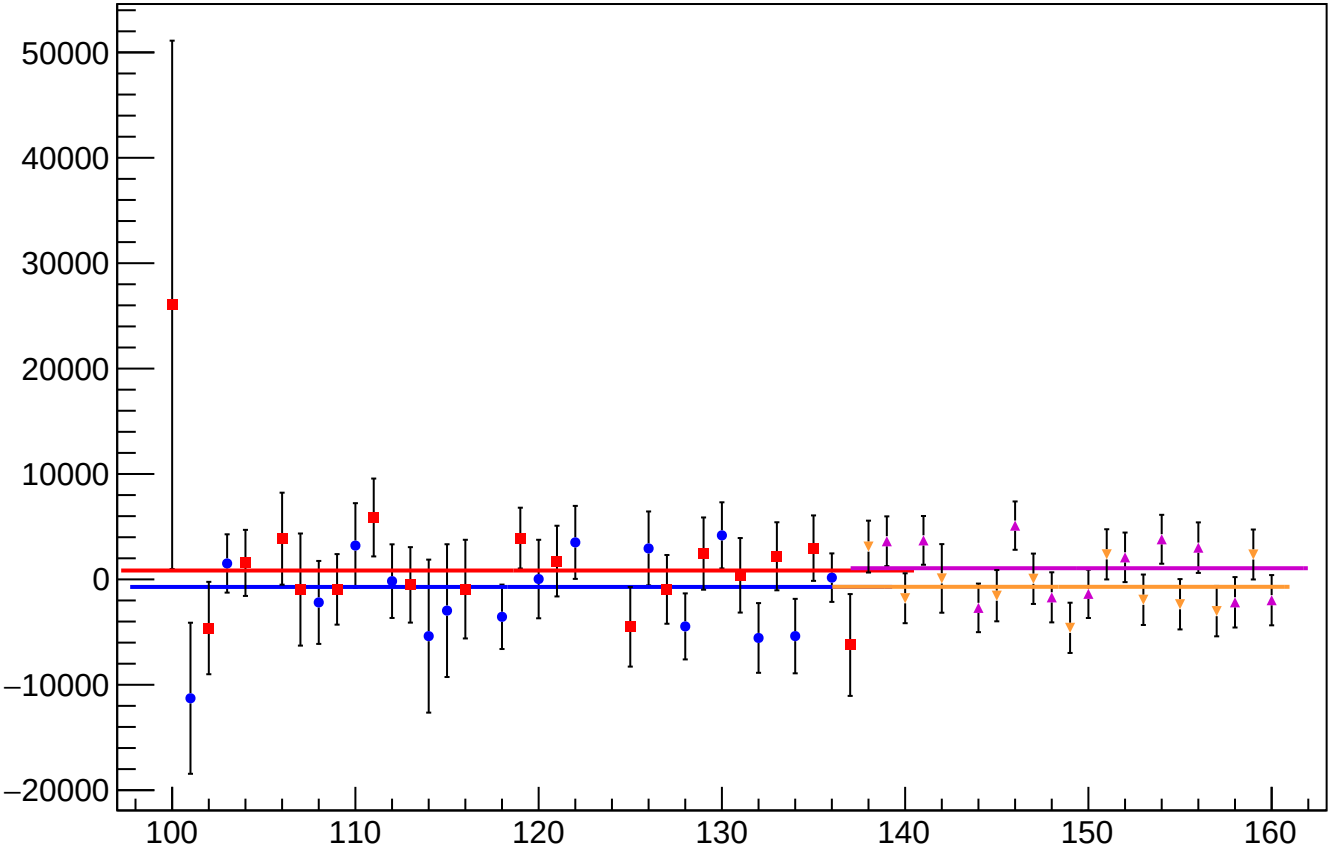
Left In: 163.928+/-0.039 χ^2/NDF:538250.9/10

+ sign 173.345+/-0.035 χ^2/NDF: 5873457.2/26

All: 166.685+/-0.024 χ^2/NDF: 12609035.2/55

- 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: -704.898+/-737.591 χ^2/NDF:10.6/10

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

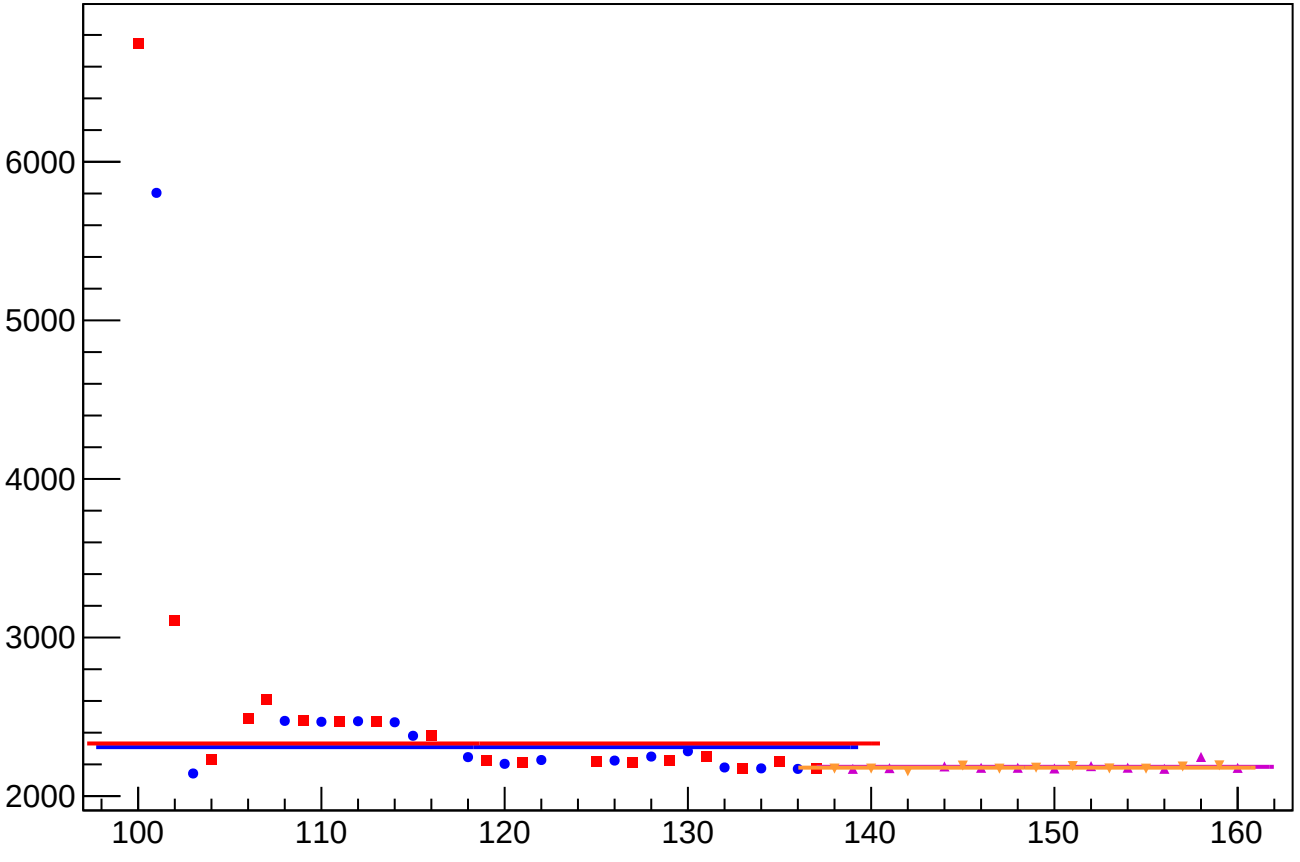
Left In: 1059.569+/-706.586 χ^2/NDF:16.4/10

+ sign -709.992+/-563.562 χ^2/NDF: 26.4/26

All: 153.254+/-393.387 χ^2/NDF: 59.6/55

- 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: 2179.484+/-0.522 χ^2/NDF:341.6/10

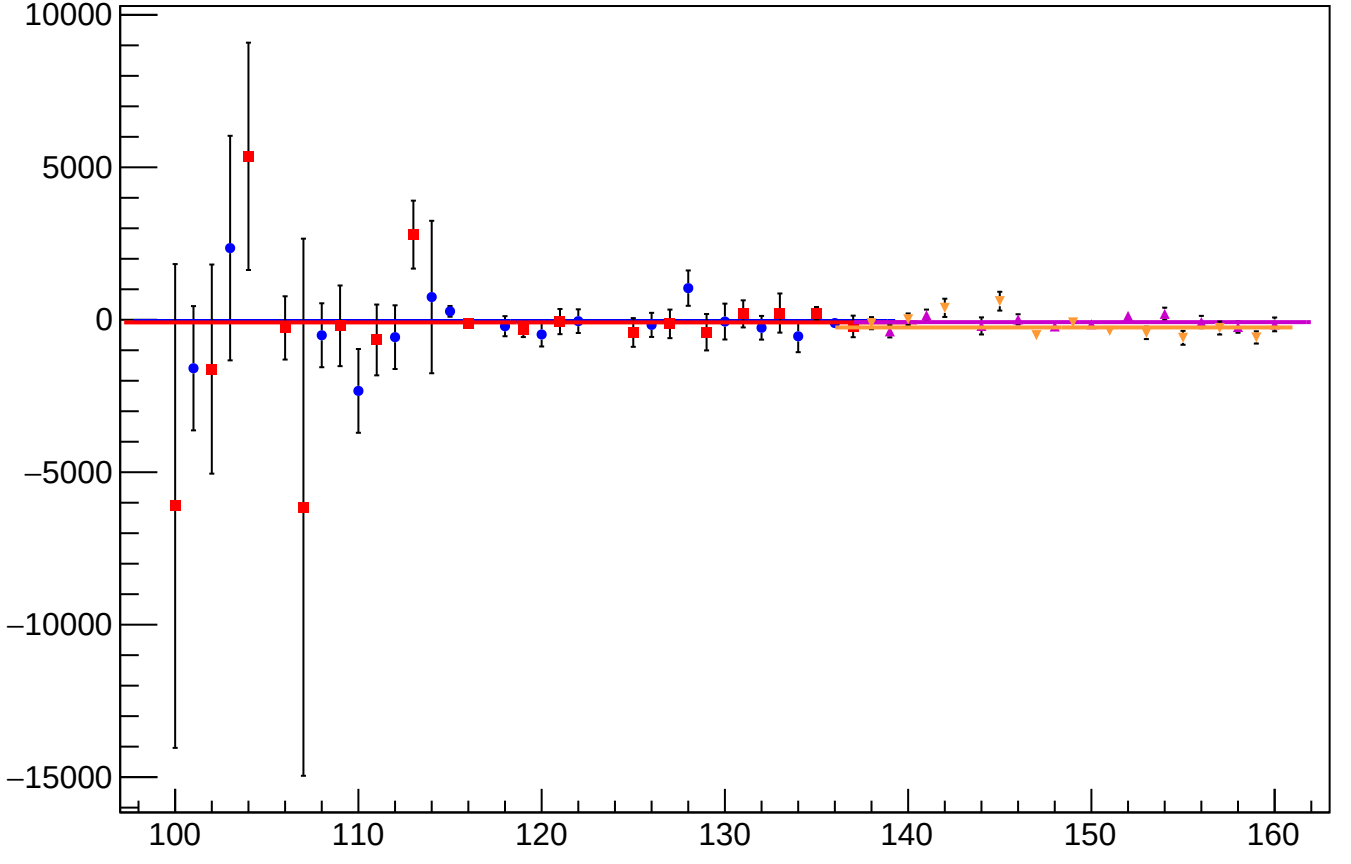
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2184.619+/-0.500 χ^2/NDF:1598.1/10

+ sign 2233.282+/-0.398 χ^2/NDF: 539647.1/26

All: 2238.186+/-0.278 χ^2/NDF: 743203.9/55

- 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: -251.429+/-58.959 χ^2/NDF:24.9/10

Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

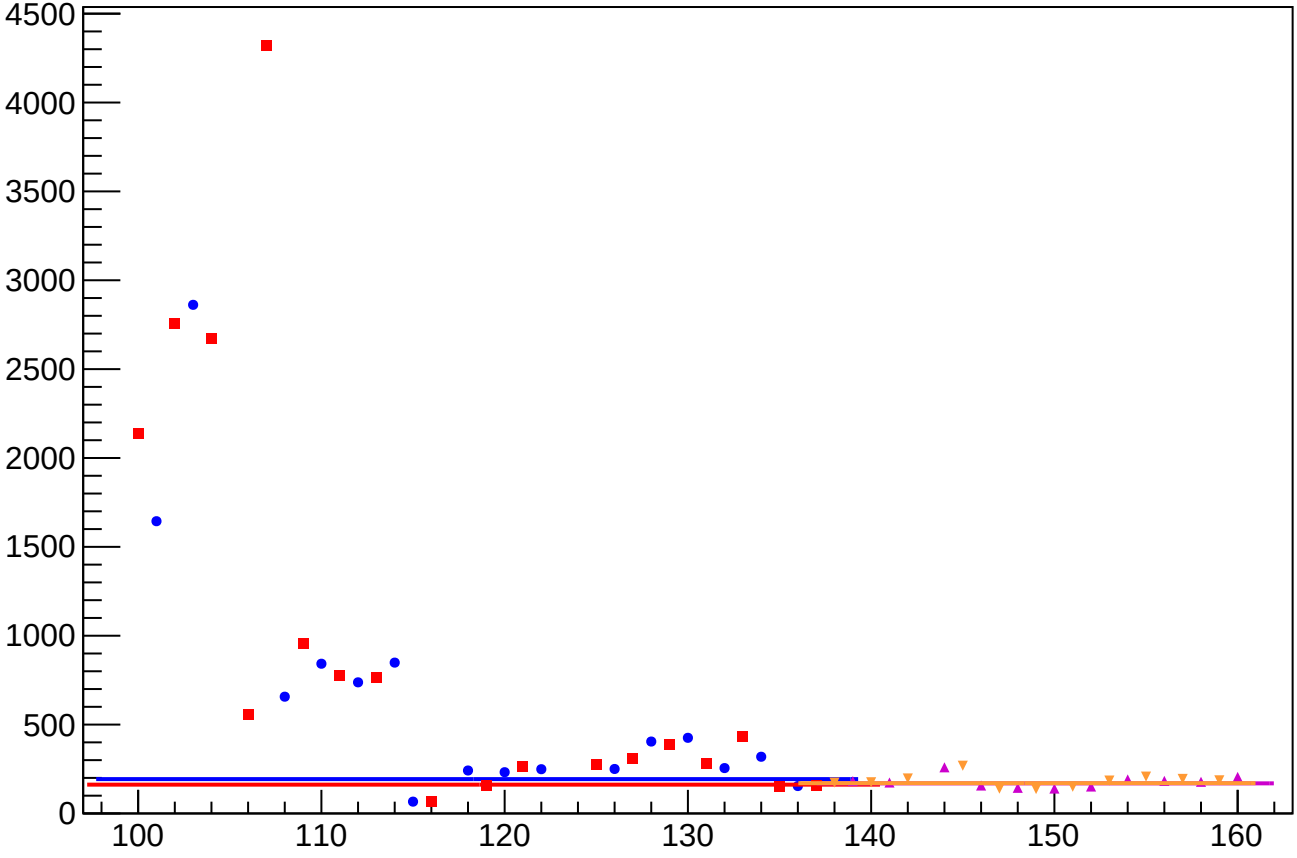
Left In: -77.361+/-55.754 χ^2/NDF:9.4/10

\+ sign -190.296+/-49.704 χ^2/NDF: 42.6/26

All: -131.842+/-34.072 χ^2/NDF: 69.6/55

\- 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: 170.371+/-0.042 χ^2/NDF:528294.9/10

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

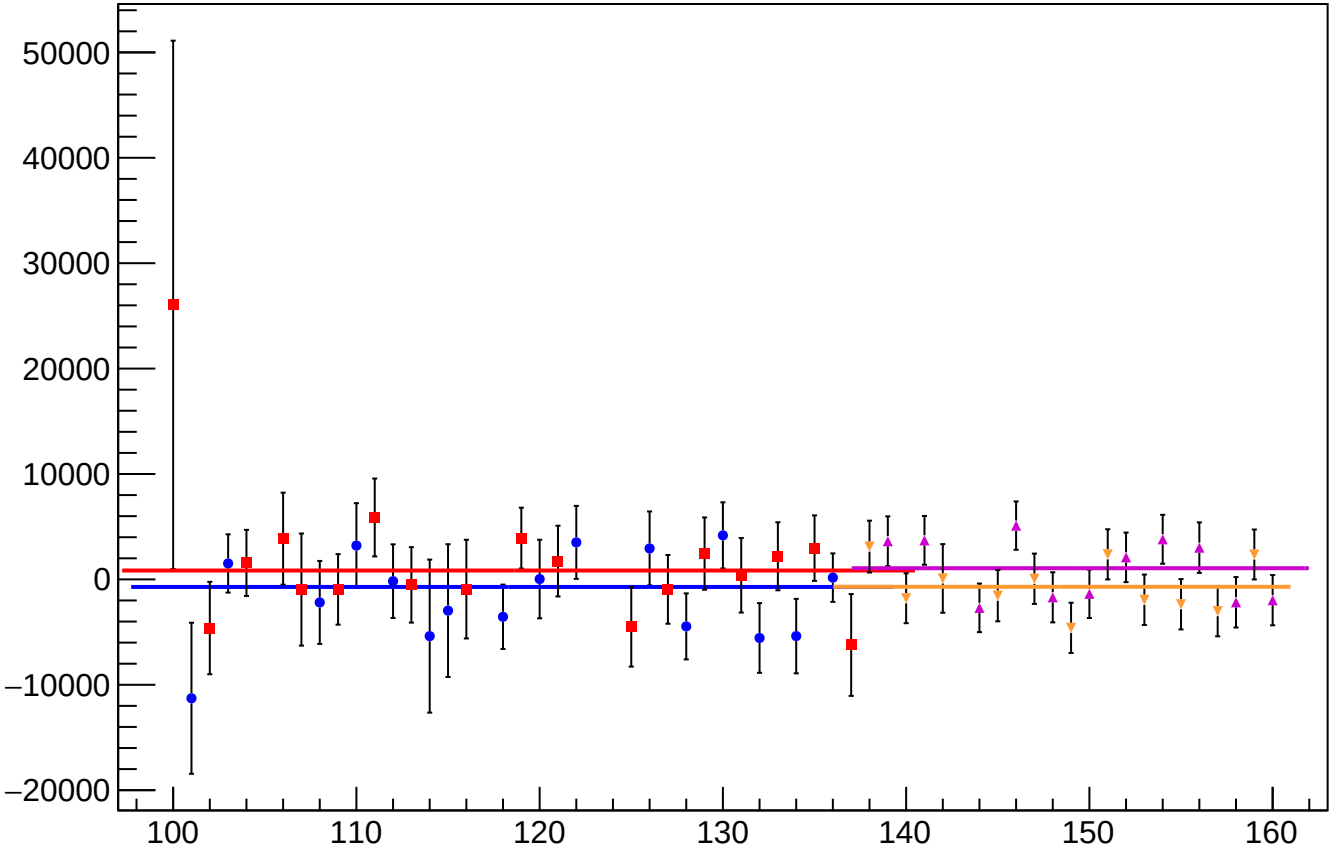
Left In: 169.367+/-0.039 χ^2/NDF:468645.8/10

+ sign 176.992+/-0.035 χ^2/NDF: 6233307.9/26

All: 171.814+/-0.024 χ^2/NDF: 13823389.9/55

- 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: -704.900+/-737.591 χ^2/NDF:10.6/10

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

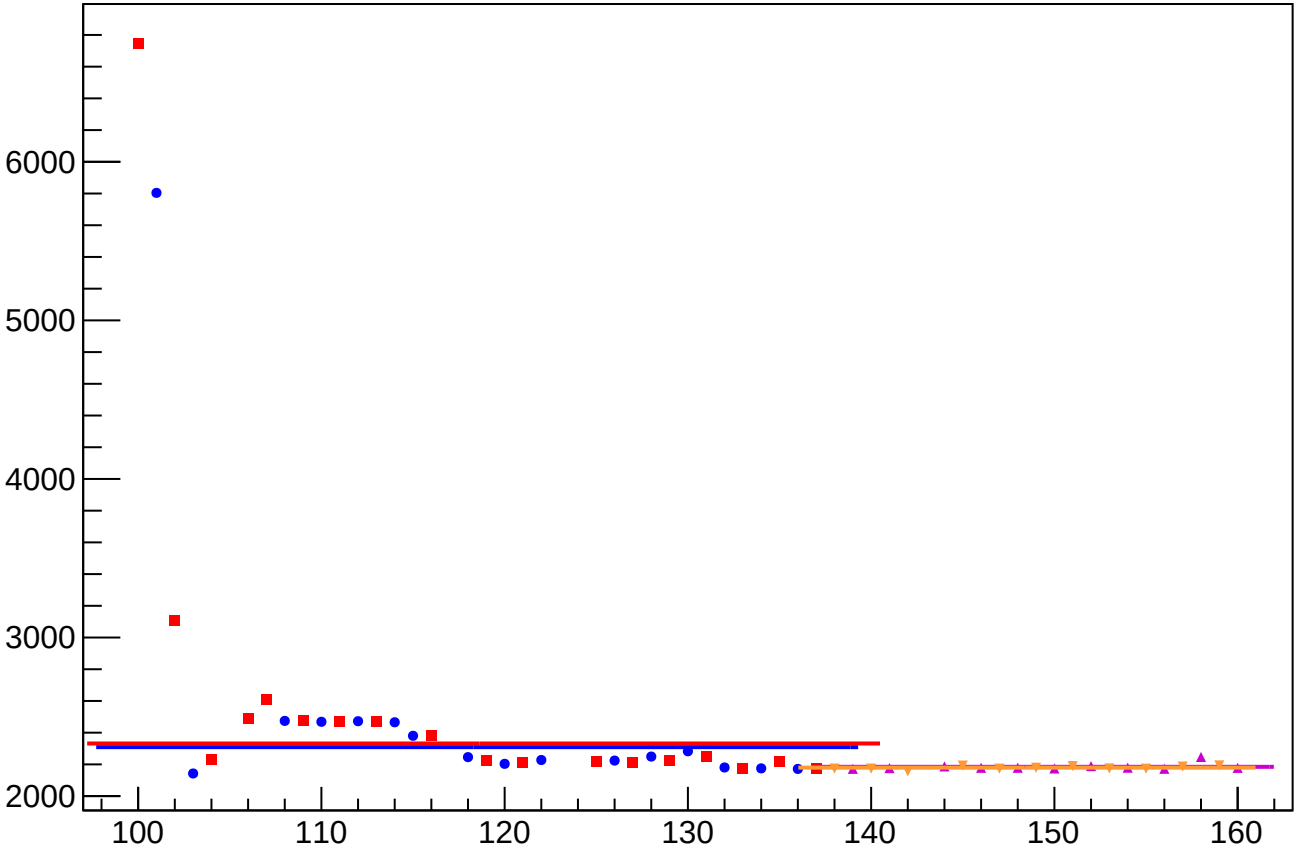
Left In: 1059.568+/-706.586 χ^2/NDF:16.4/10

+ sign -709.993+/-563.562 χ^2/NDF: 26.4/26

All: 153.253+/-393.387 χ^2/NDF: 59.6/55

- 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: 2179.484+/-0.522 χ^2/NDF:341.6/10

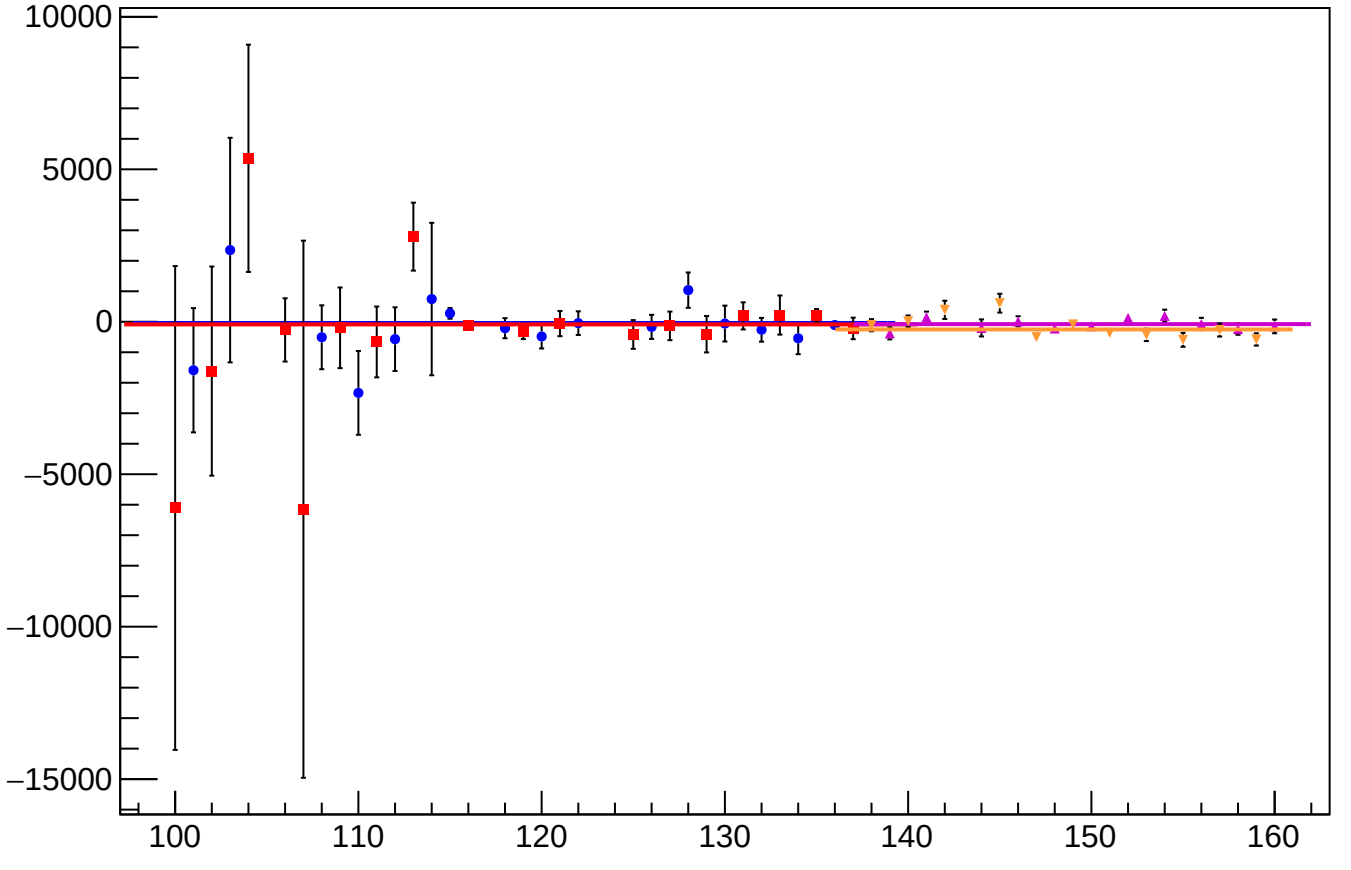
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2184.619+/-0.500 χ^2/NDF:1598.1/10

+ sign 2233.282+/-0.398 χ^2/NDF: 539647.1/26

All: 2238.186+/-0.278 χ^2/NDF: 743203.8/55

- 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: -251.430+/-58.959 χ^2/NDF:24.9/10

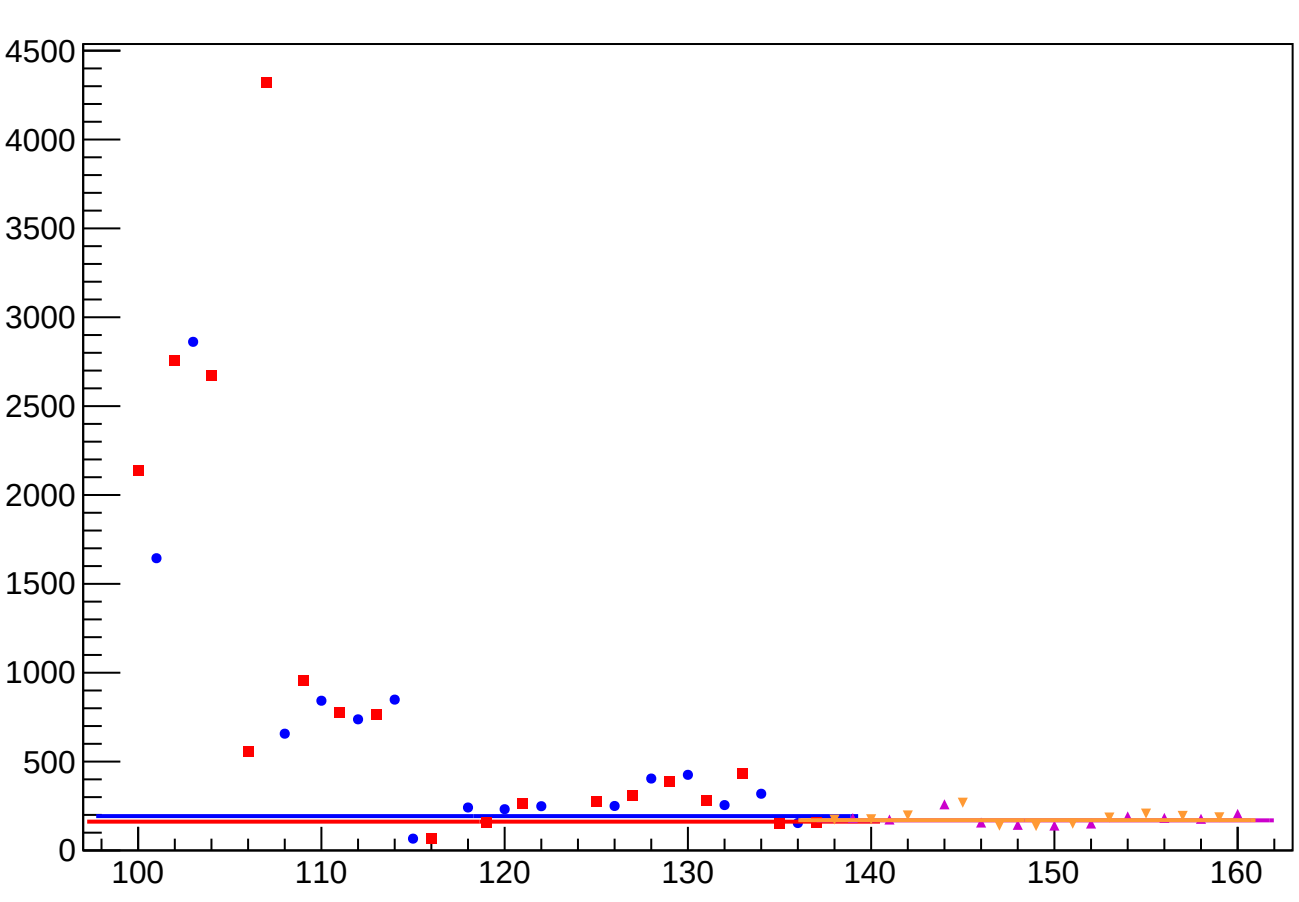
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -77.359+/-55.754 χ^2/NDF:9.4/10

+ sign -190.295+/-49.704 χ^2/NDF: 42.6/26

All: -131.841+/-34.072 χ^2/NDF: 69.6/55

- 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: 170.372+/-0.042 χ^2/NDF:528275.0/10

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

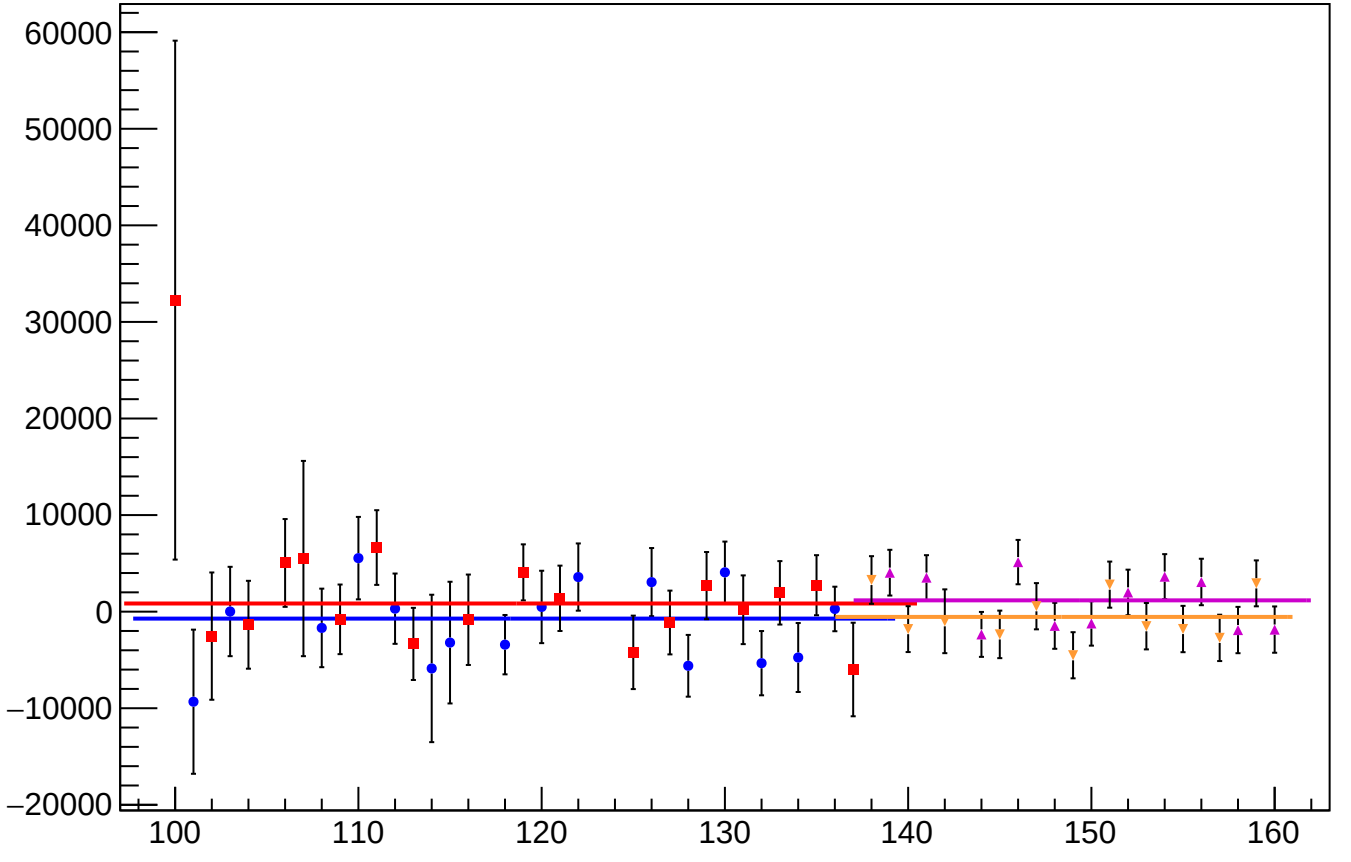
Left In: 169.368+/-0.039 χ^2/NDF:468640.2/10

+ sign 176.992+/-0.035 χ^2/NDF: 6233302.6/26

All: 171.814+/-0.024 χ^2/NDF: 13823448.1/55

- 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: -544.742+/-740.880 χ^2/NDF:11.6/10

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

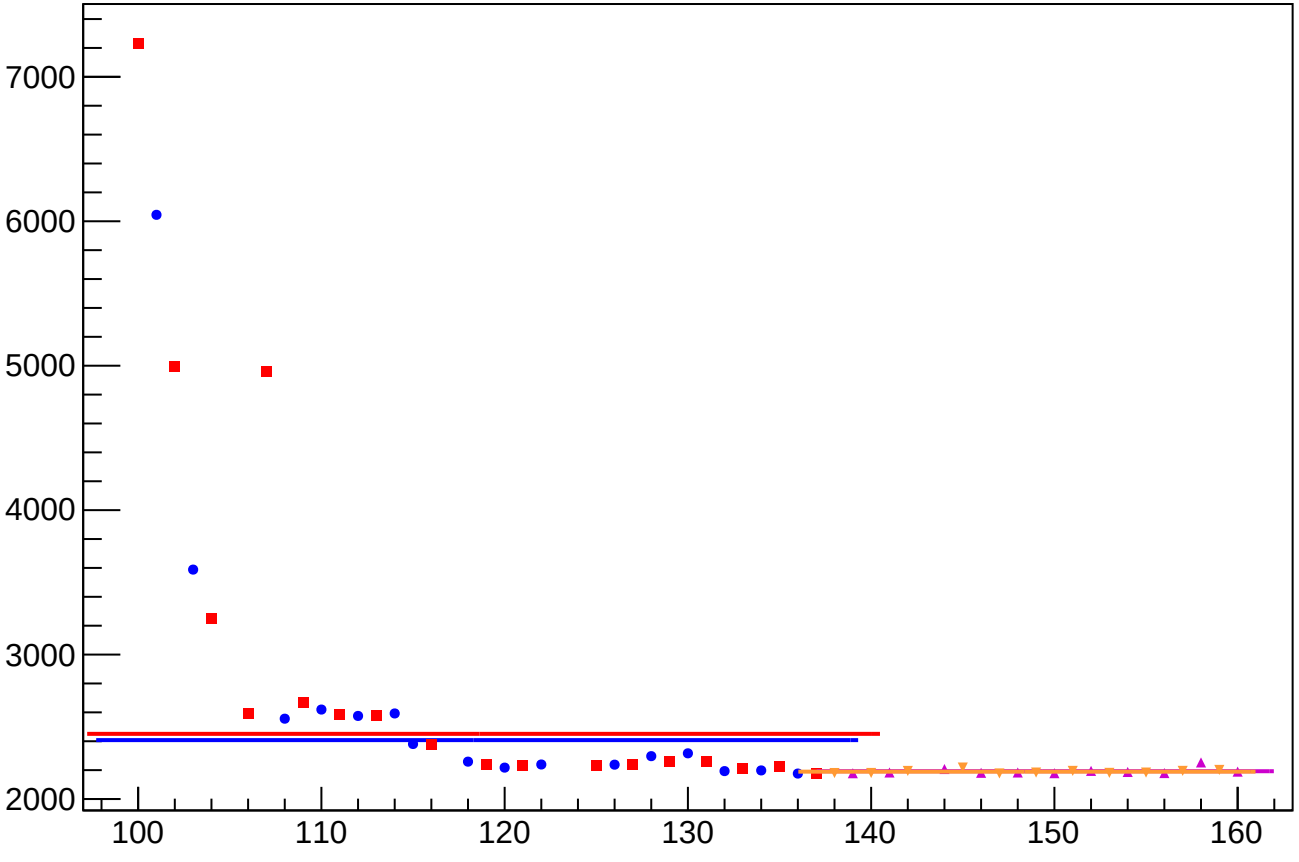
Left In: 1169.985+/-709.123 χ^2/NDF:15.2/10

+ sign -613.859+/-576.100 χ^2/NDF: 27.4/26

All: 236.419+/-402.875 χ^2/NDF: 59.8/55

- 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: 2189.483+/-0.524 χ^2/NDF:507.7/10

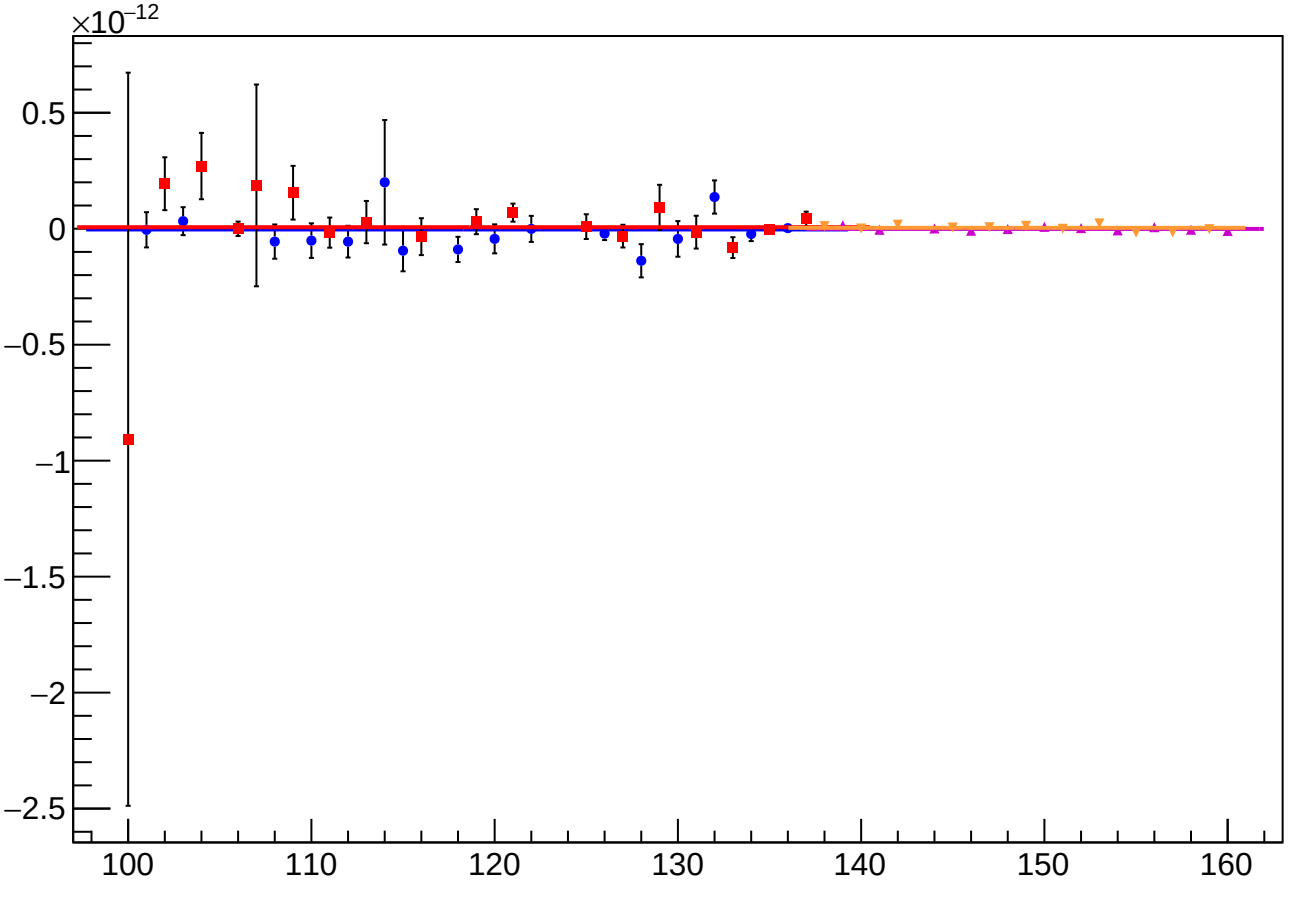
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2192.455+/-0.501 χ^2/NDF:1682.0/10

+ sign 2275.794+/-0.407 χ^2/NDF: 746054.7/26

All: 2281.901+/-0.285 χ^2/NDF: 1479838.0/55

- 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:11.2/10

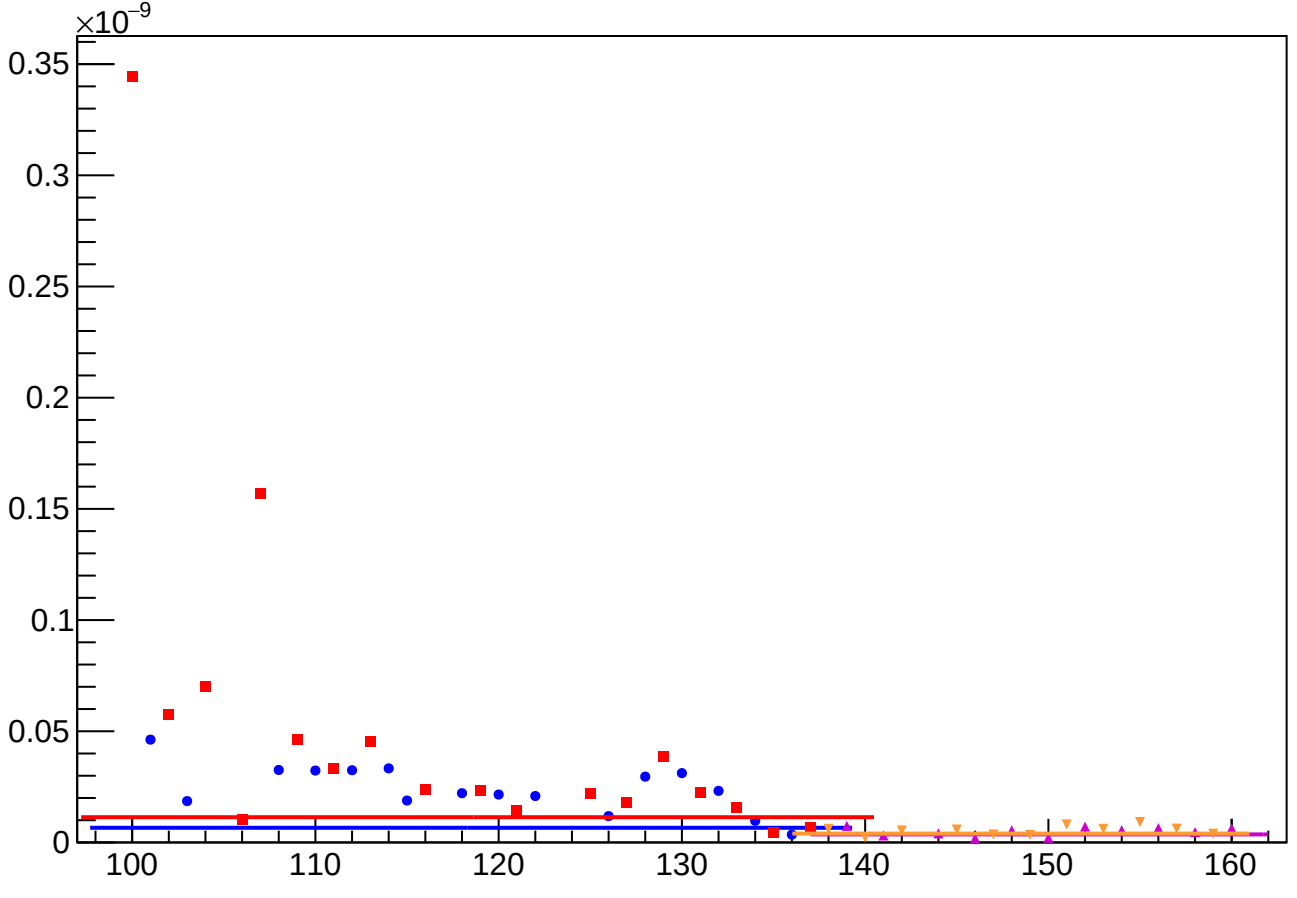
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:9.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 27.9/26

All: 0.000+/-0.000 χ^2/NDF: 57.7/55

- 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:1142224.0/10

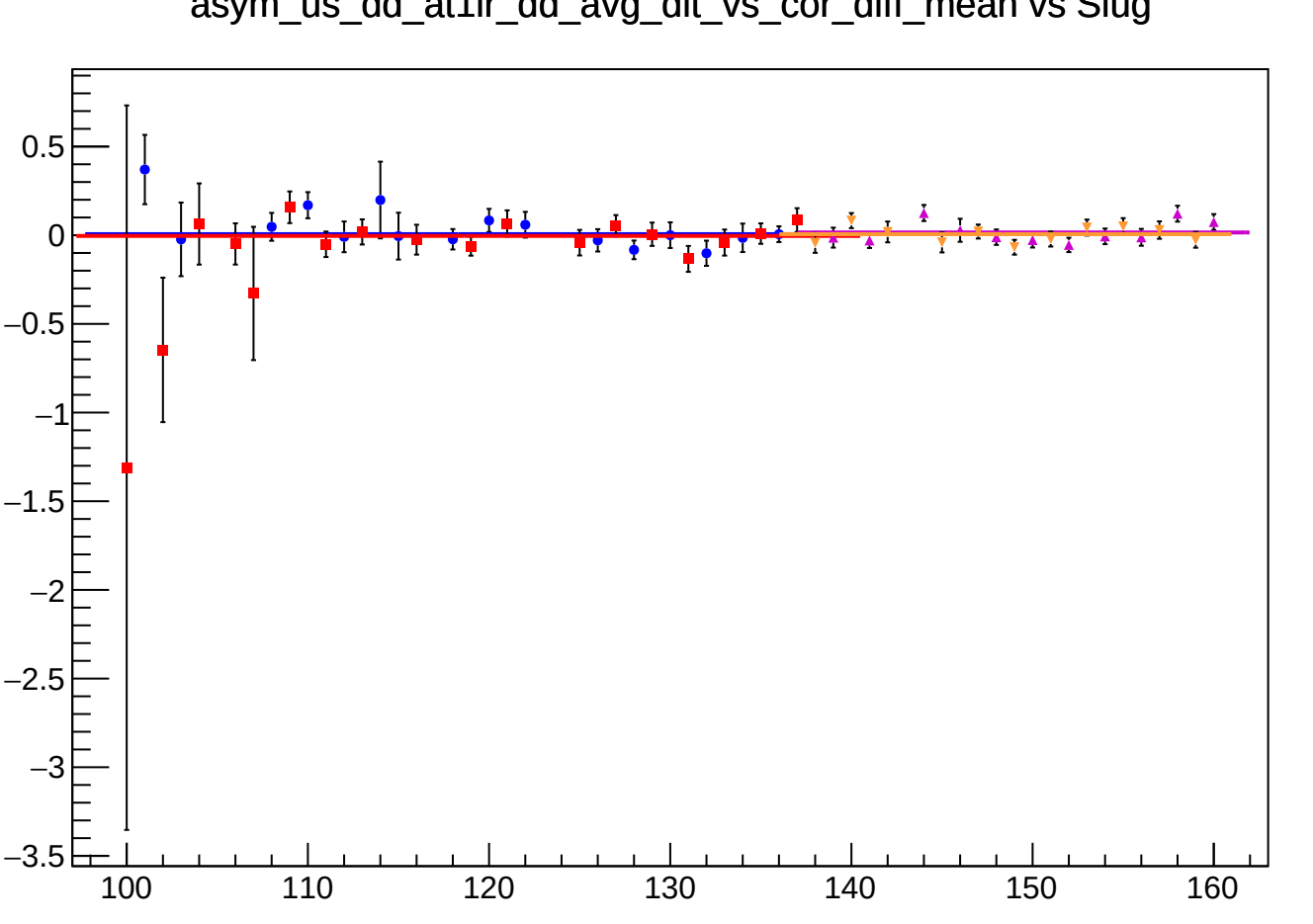
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1156302.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 4298073.8/26

All: 0.000+/-0.000 χ^2/NDF: 9354025.9/55

- 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: 0.006+/-0.014 χ^2/NDF:10.7/10

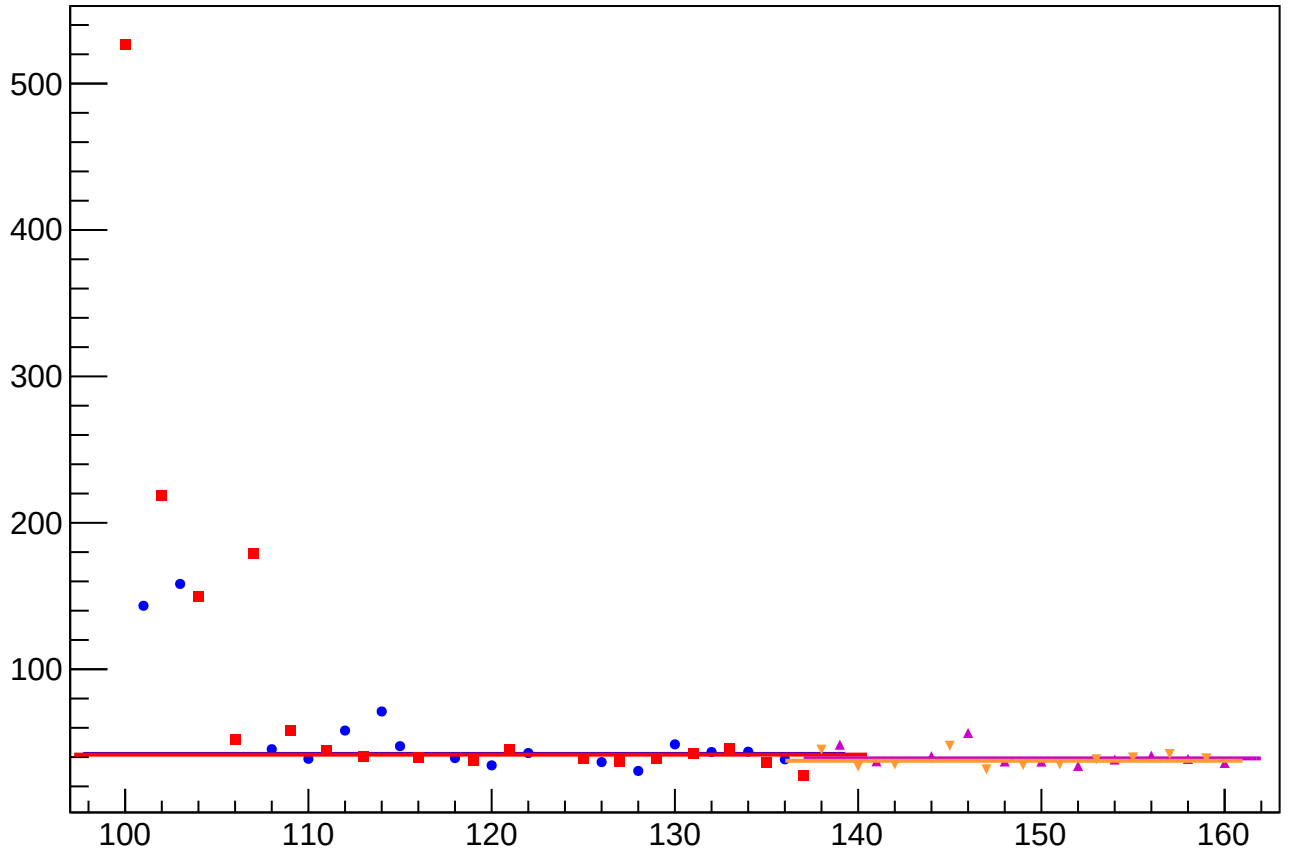
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.016+/-0.014 χ^2/NDF:19.6/10

+ sign 0.006+/-0.011 χ^2/NDF: 27.9/26

All: 0.007+/-0.008 χ^2/NDF: 64.5/55

- 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: 37.506+/-0.010 χ^2/NDF:210187.2/10

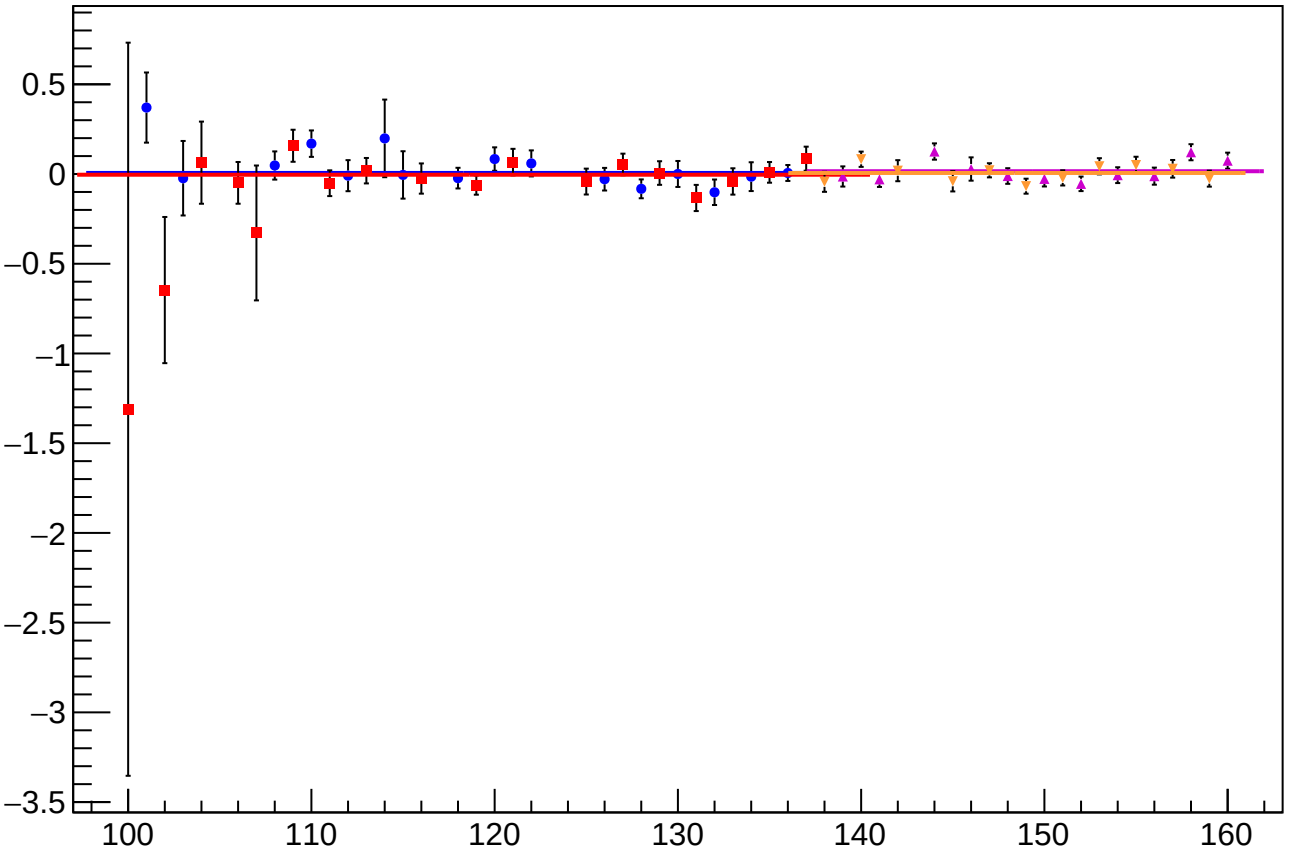
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.110+/-0.010 χ^2/NDF:261450.7/10

+ sign 39.226+/-0.008 χ^2/NDF: 1746718.9/26

All: 39.628+/-0.006 χ^2/NDF: 3479467.6/55

- 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: 0.006+/-0.014 χ^2/NDF:10.7/10

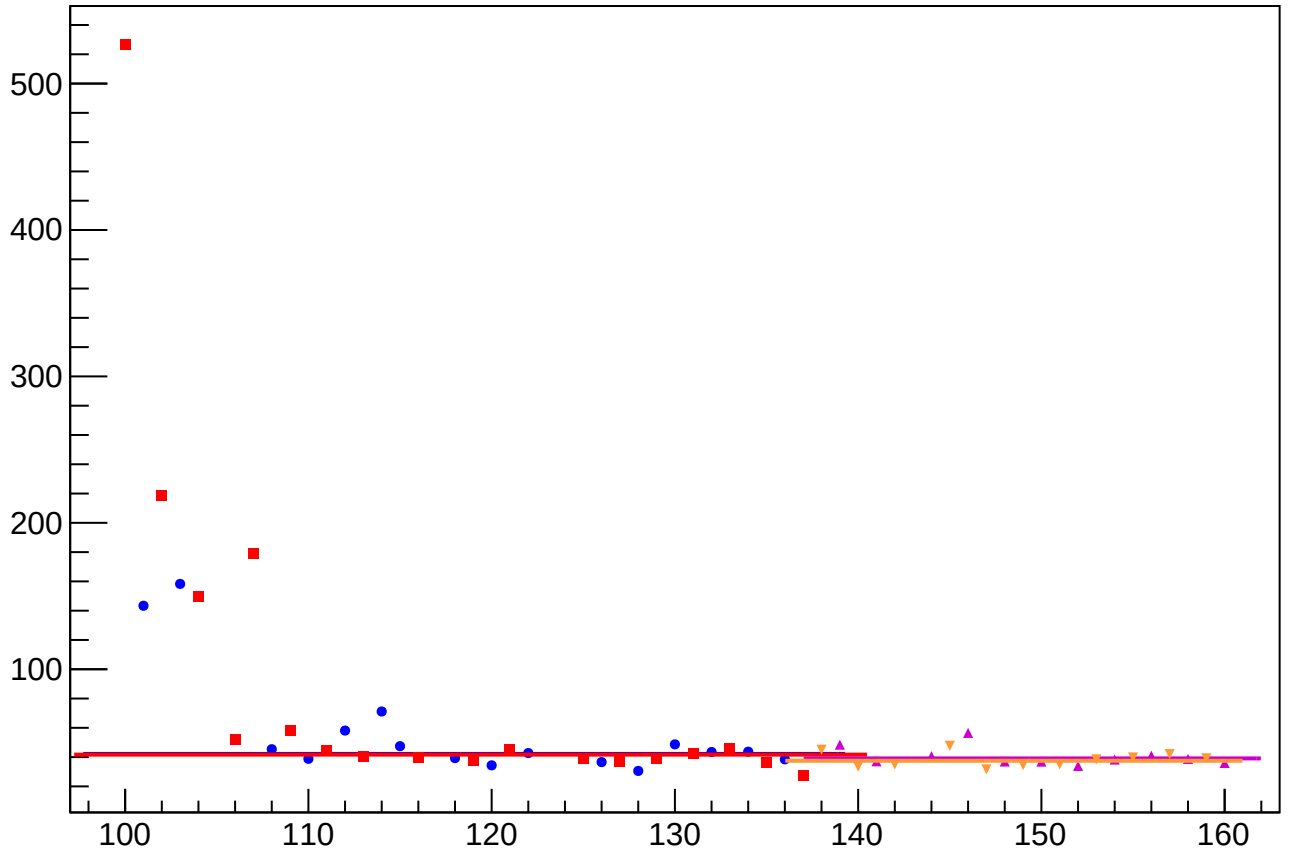
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.016+/-0.014 χ^2/NDF:19.6/10

+ sign 0.006+/-0.011 χ^2/NDF: 27.9/26

All: 0.007+/-0.008 χ^2/NDF: 64.5/55

- 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: 37.506+/-0.010 χ^2/NDF:210187.2/10

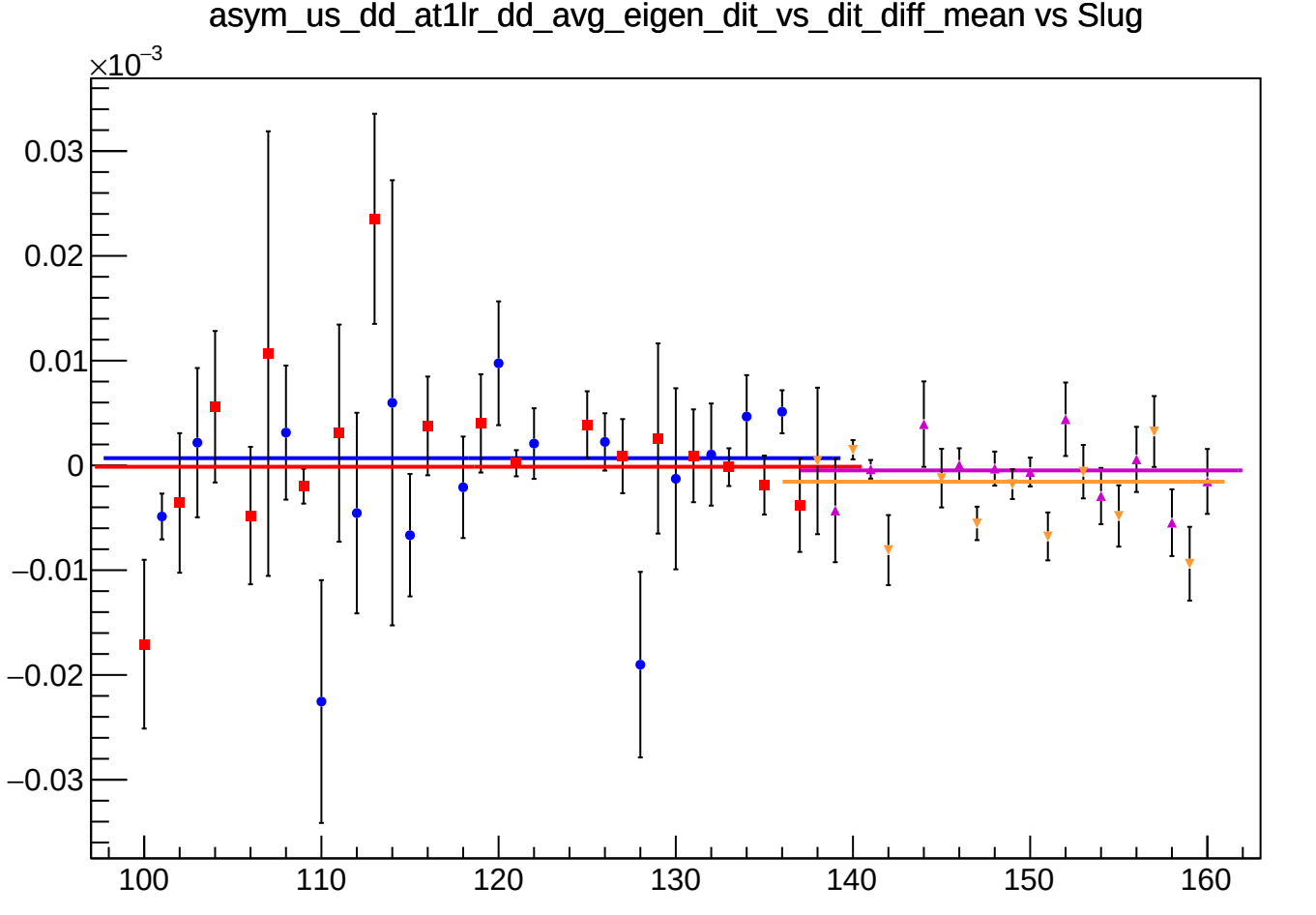
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.110+/-0.010 χ^2/NDF:261450.7/10

+ sign 39.226+/-0.008 χ^2/NDF: 1746718.9/26

All: 39.628+/-0.006 χ^2/NDF: 3479467.6/55

- 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:34.8/10

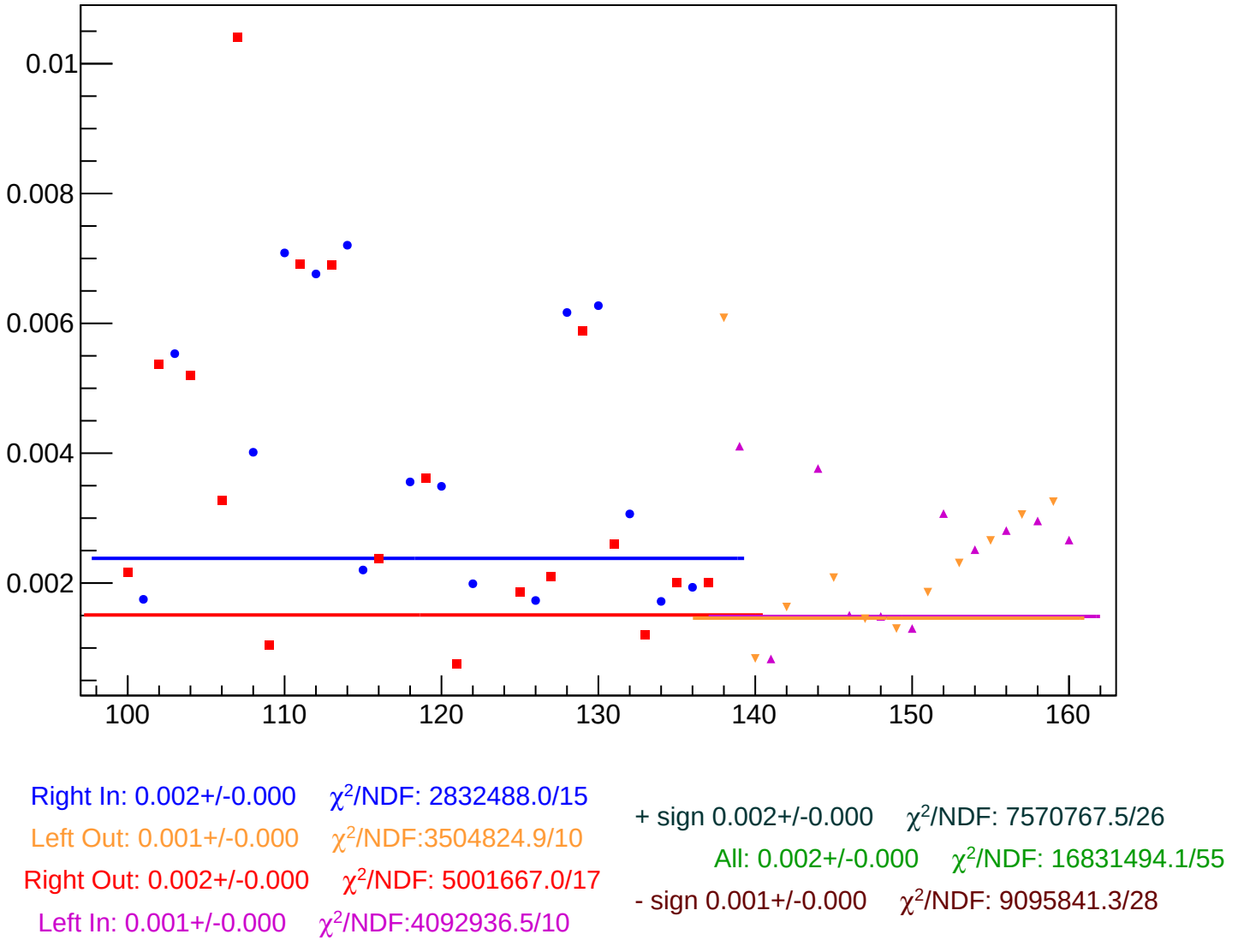
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

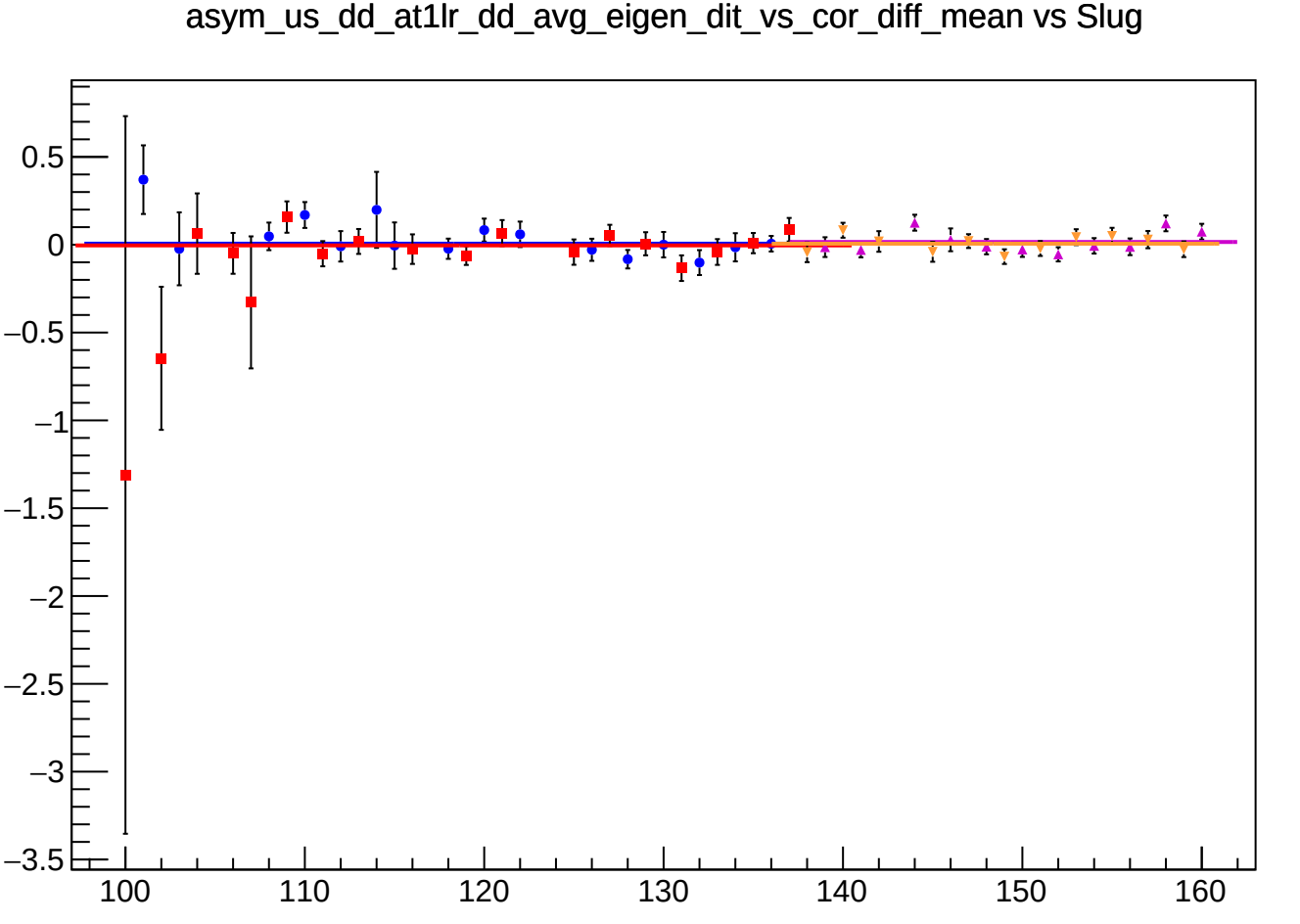
Left In: -0.000+/-0.000 χ^2/NDF:7.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 64.9/26

All: -0.000+/-0.000 χ^2/NDF: 90.8/55

- 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:3504824.9/10
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: 7570767.5/26
All: 0.002+/-0.000 χ²/NDF: 16831494.1/55
- sign 0.001+/-0.000 χ²/NDF: 9095841.3/28



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.014 χ^2/NDF:10.7/10

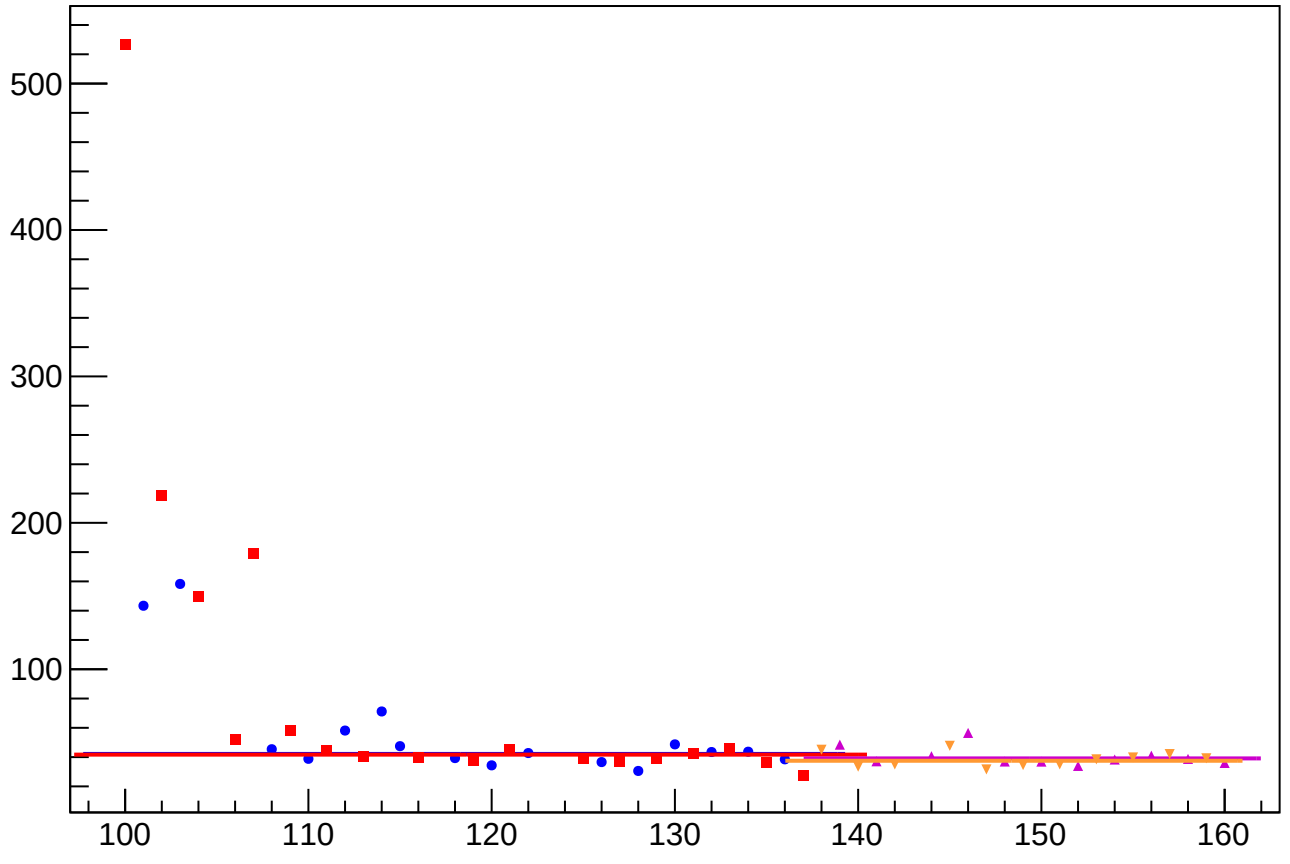
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.016+/-0.014 χ^2/NDF:19.6/10

+ sign 0.006+/-0.011 χ^2/NDF: 27.9/26

All: 0.007+/-0.008 χ^2/NDF: 64.5/55

- 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: 37.506+/-0.010 χ^2/NDF:210156.5/10

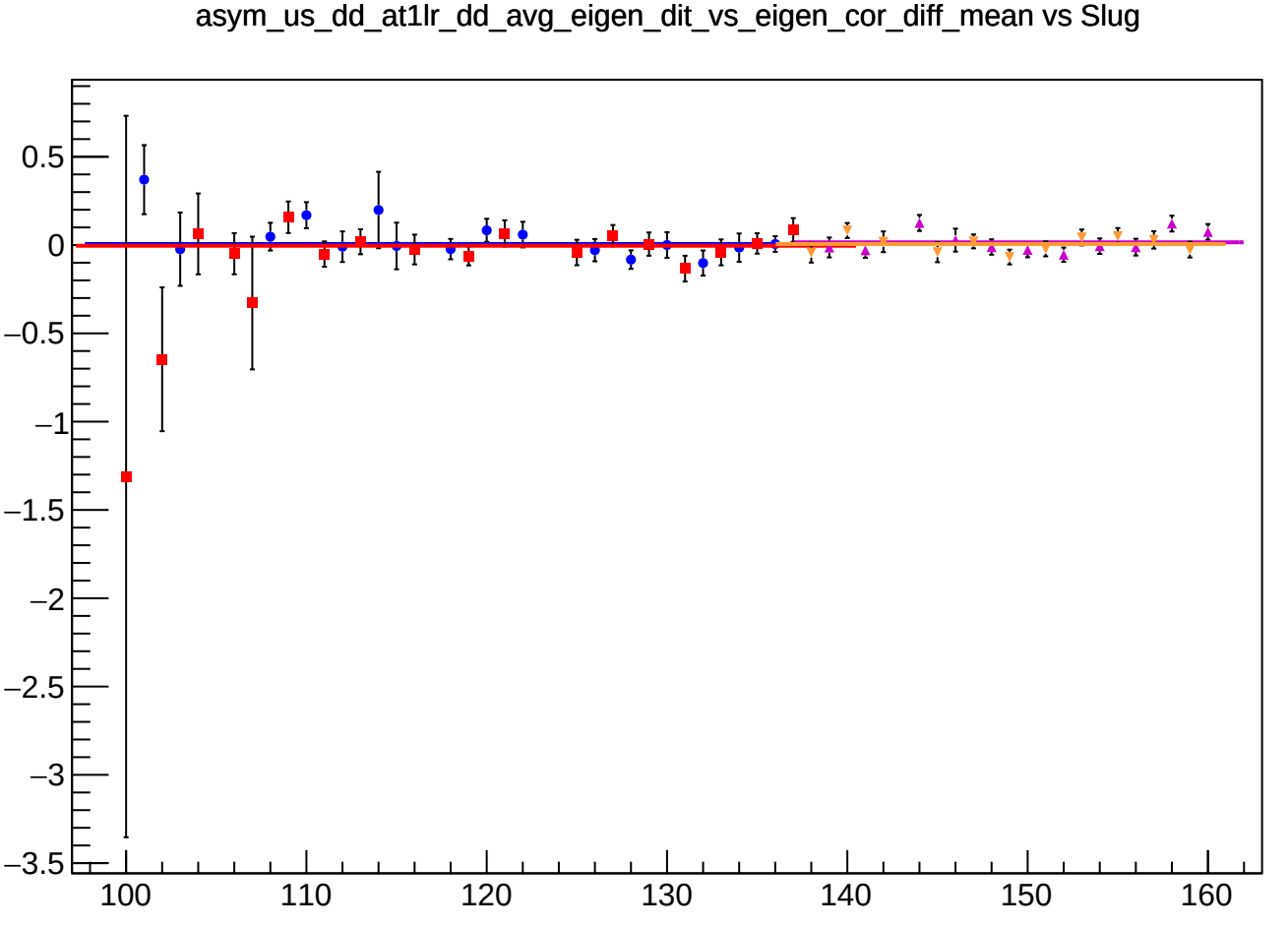
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.110+/-0.010 χ^2/NDF:261481.8/10

+ sign 39.225+/-0.008 χ^2/NDF: 1746813.4/26

All: 39.627+/-0.006 χ^2/NDF: 3479594.5/55

- 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: 0.006+/-0.014 χ^2/NDF:10.7/10

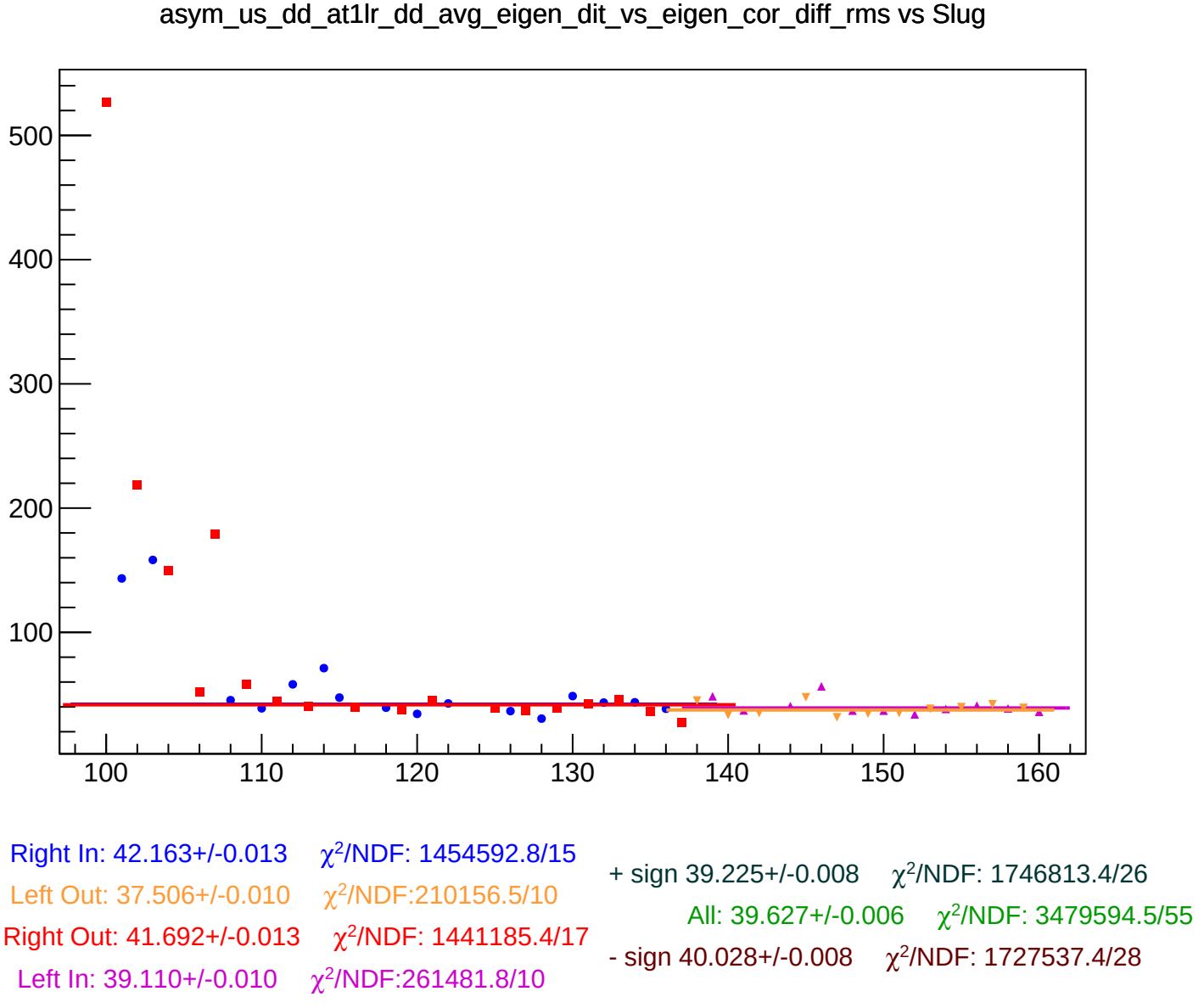
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

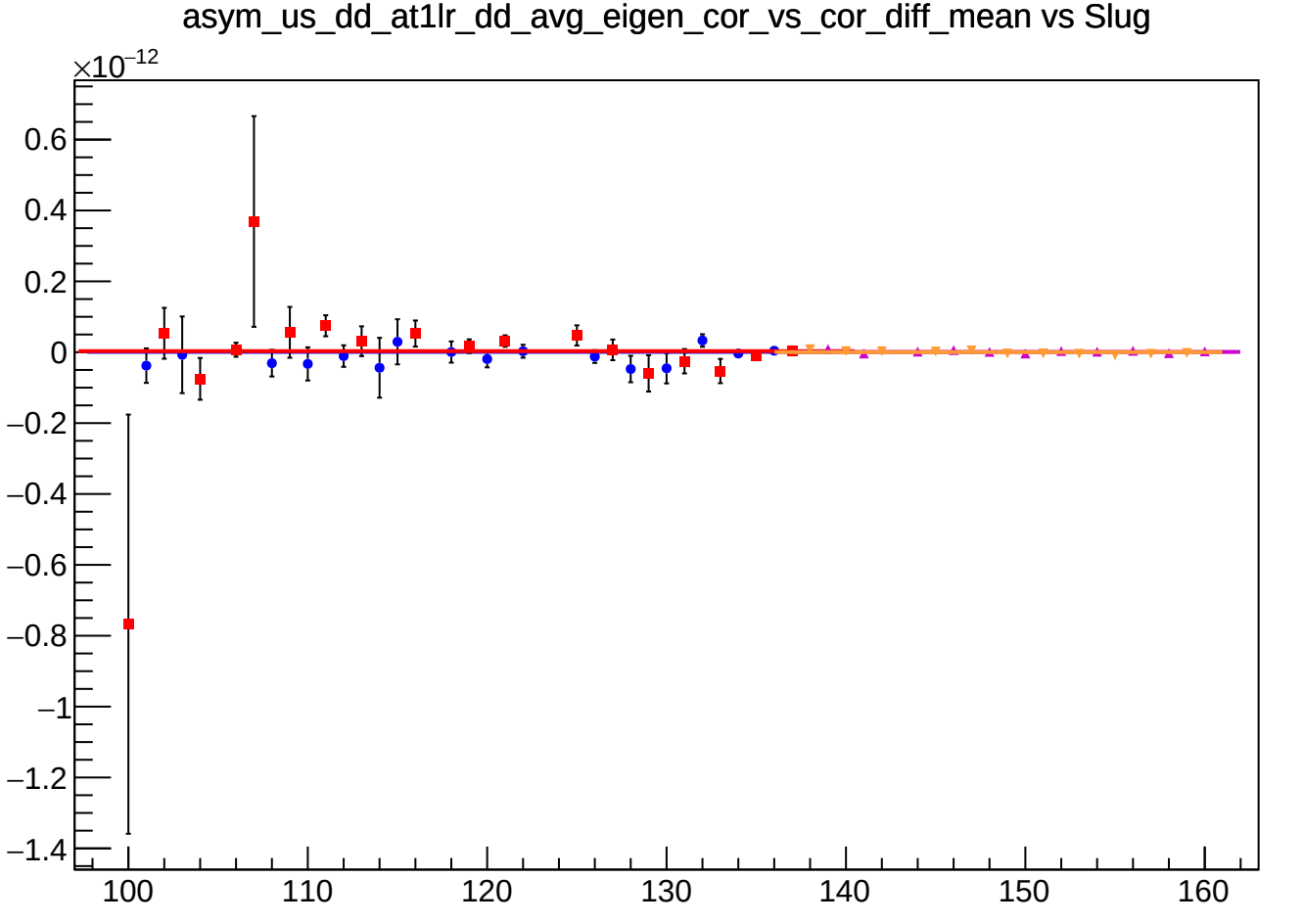
Left In: 0.016+/-0.014 χ^2/NDF:19.6/10

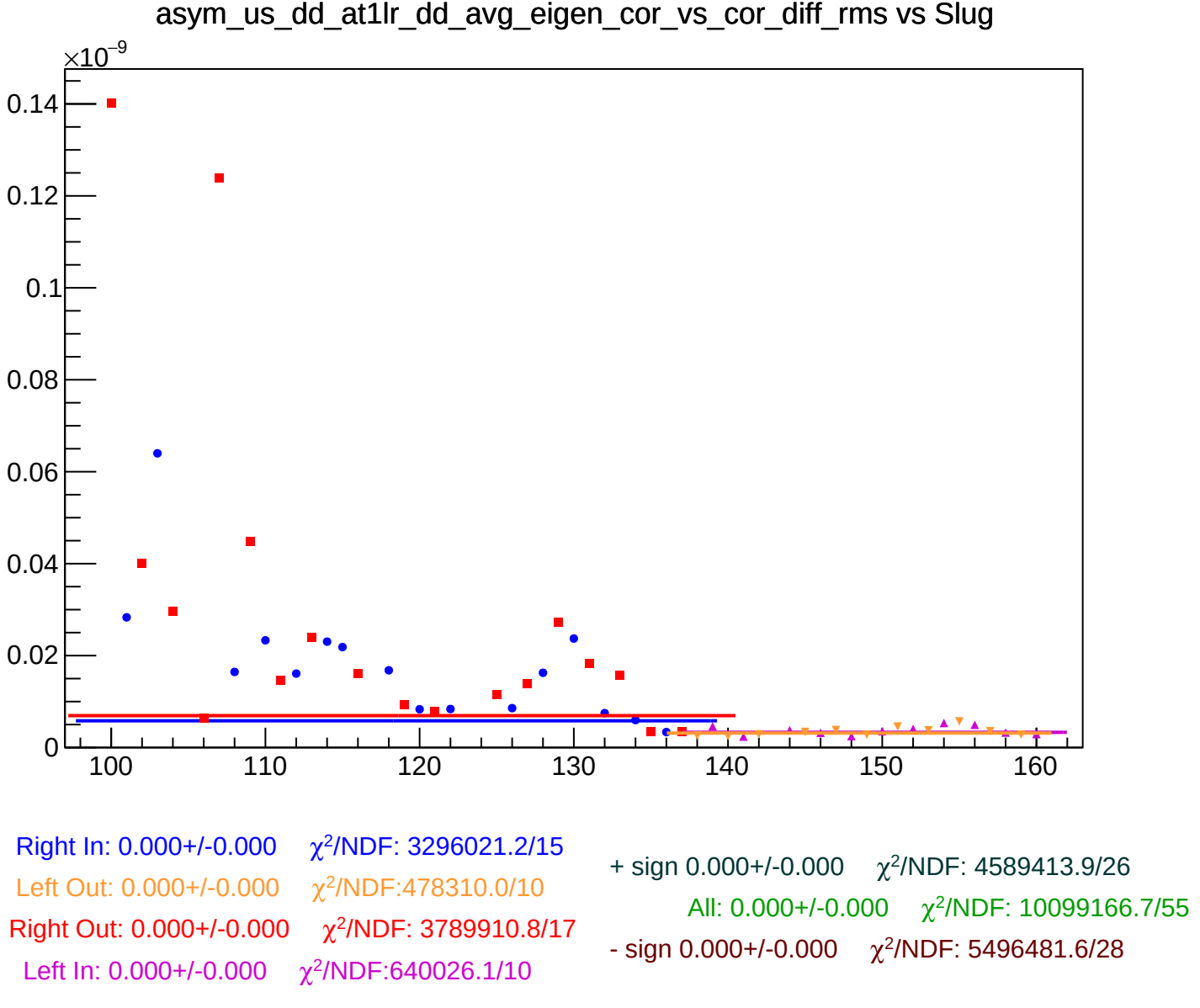
+ sign 0.006+/-0.011 χ^2/NDF: 27.9/26

All: 0.007+/-0.008 χ^2/NDF: 64.5/55

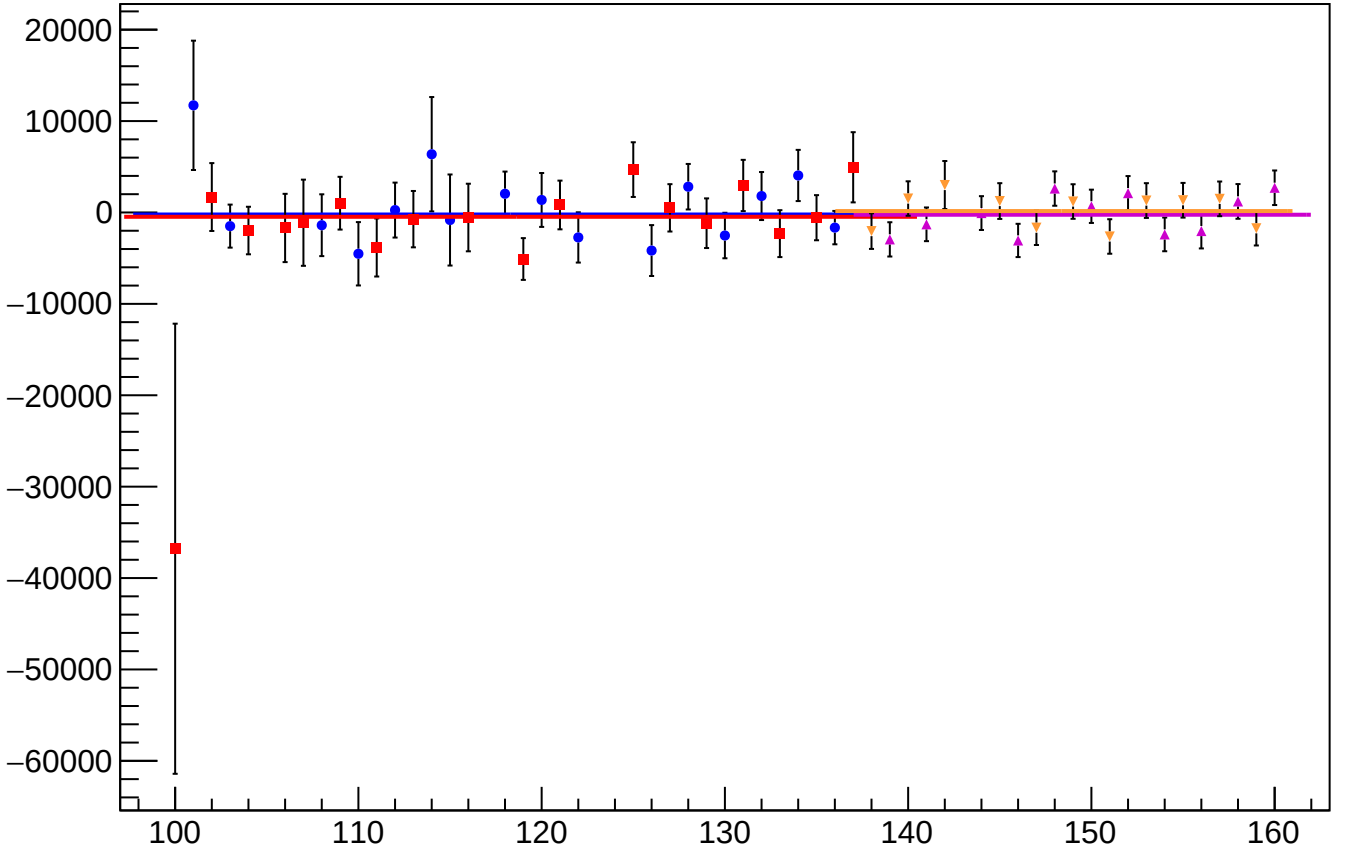
- sign 0.009+/-0.011 χ^2/NDF: 36.6/28


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: 37.506+/-0.010 χ2/NDF:210156.5/10
Right Out: 41.692+/-0.013 χ2/NDF: 1441185.4/17
Left In: 39.110+/-0.010 χ2/NDF:261481.8/10
+ sign 39.225+/-0.008 χ2/NDF: 1746813.4/26
All: 39.627+/-0.006 χ2/NDF: 3479594.5/55
- 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:8.6/10
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: 19.2/26
All: 0.000+/-0.000 χ²/NDF: 54.5/55
- sign 0.000+/-0.000 χ²/NDF: 35.2/28


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:478310.0/10
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:640026.1/10
+ sign 0.000+/-0.000 χ²/NDF: 4589413.9/26
All: 0.000+/-0.000 χ²/NDF: 10099166.7/55
- sign 0.000+/-0.000 χ²/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: 152.465+/-586.729 χ^2/NDF:8.9/10

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

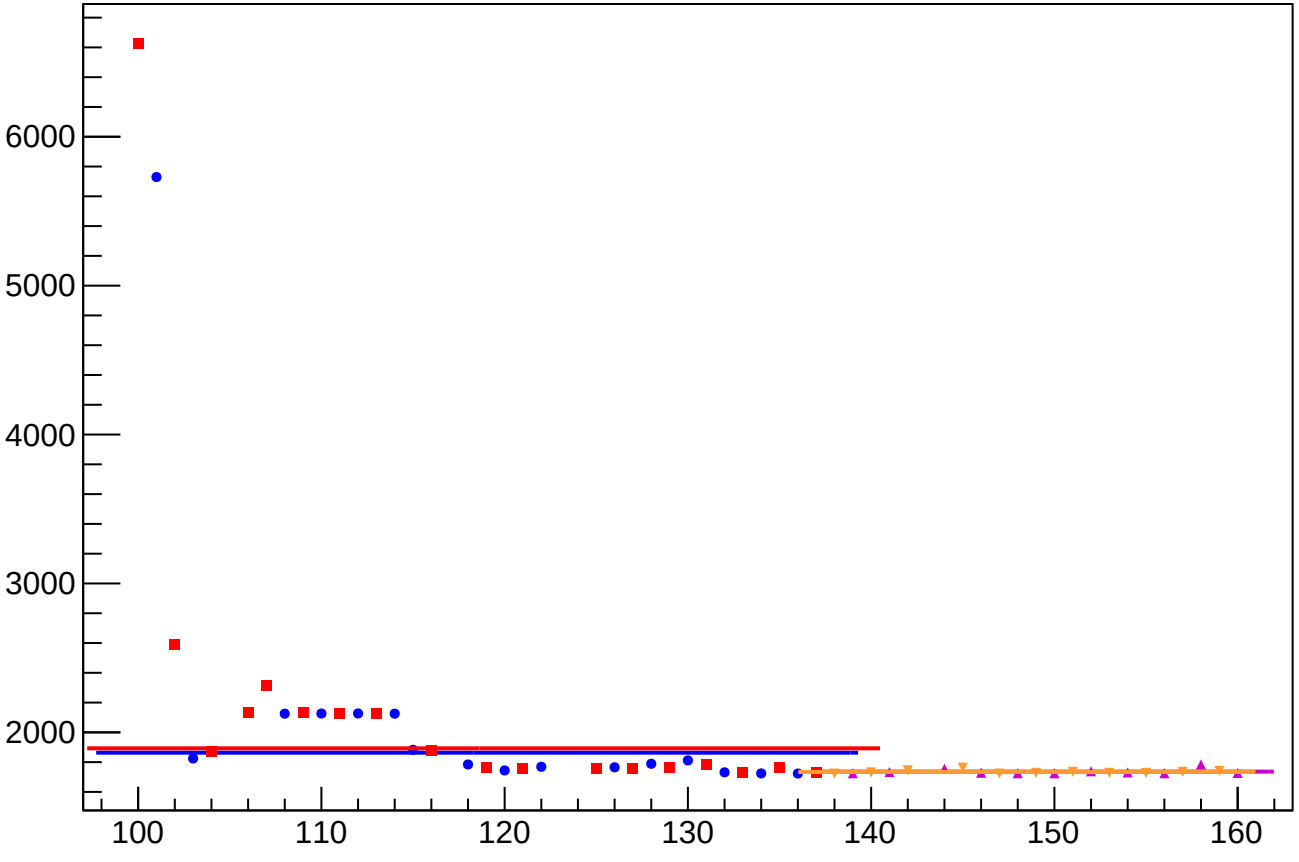
Left In: -248.782+/-561.618 χ^2/NDF:14.2/10

+ sign -0.103+/-452.061 χ^2/NDF: 24.9/26

All: -171.576+/-315.608 χ^2/NDF: 55.4/55

- 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: 1733.911+/-0.415 χ^2/NDF:697.6/10

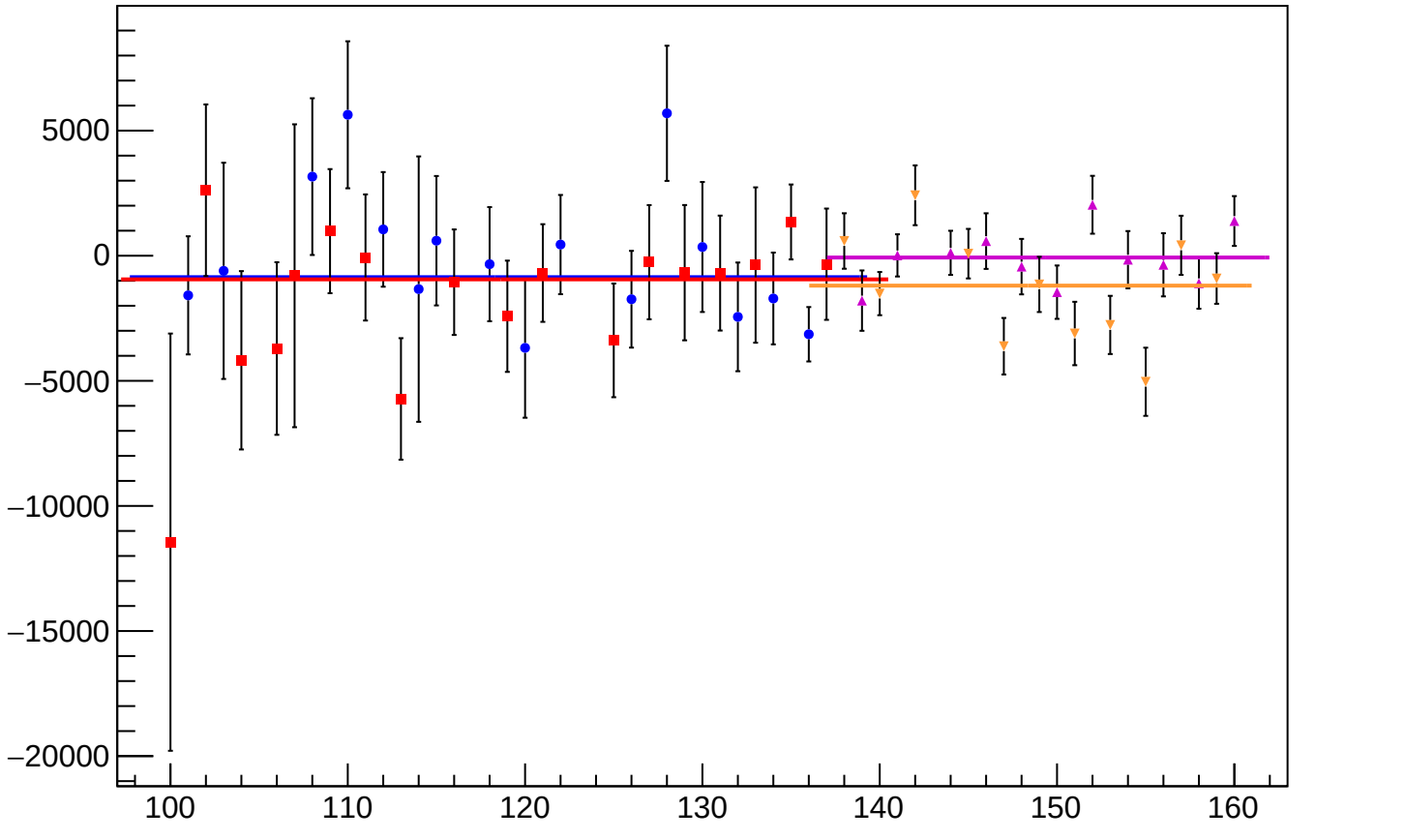
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1736.392+/-0.397 χ^2/NDF:1882.2/10

+ sign 1786.604+/-0.320 χ^2/NDF: 715059.5/26

All: 1791.657+/-0.223 χ^2/NDF: 1028542.1/55

- 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: -1195.122+/-331.985 χ^2/NDF:32.1/10

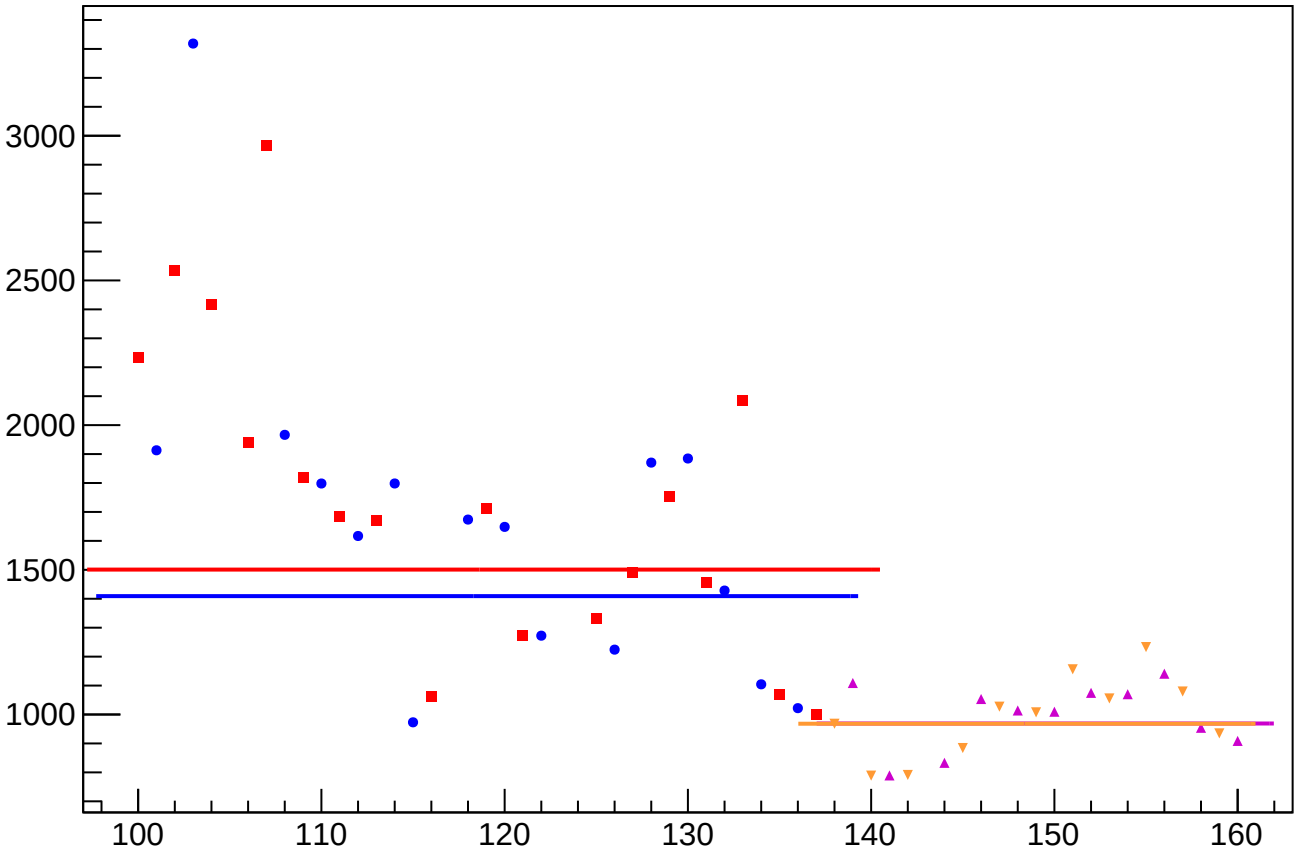
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -72.174+/-316.335 χ^2/NDF:10.8/10

+ sign -1104.856+/-284.192 χ^2/NDF: 53.0/26

All: -678.517+/-198.782 χ^2/NDF: 82.8/55

- 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: 968.138+/-0.235 χ^2/NDF:303400.0/10

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

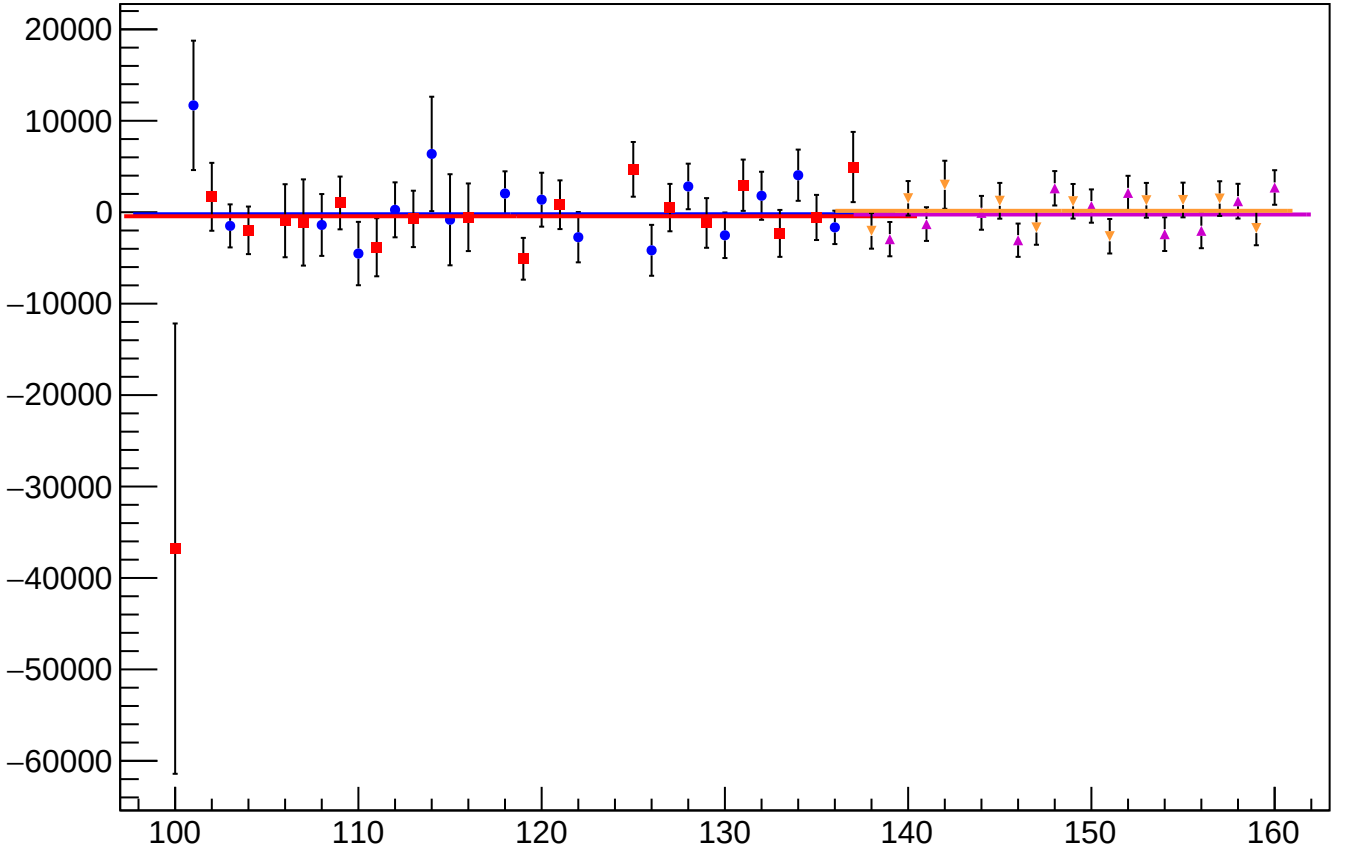
Left In: 968.920+/-0.224 χ^2/NDF:259965.7/10

+ sign 1085.960+/-0.201 χ^2/NDF: 2413900.4/26

All: 1087.812+/-0.141 χ^2/NDF: 4987530.8/55

- 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: 152.588+/-586.729 χ^2/NDF:8.9/10

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

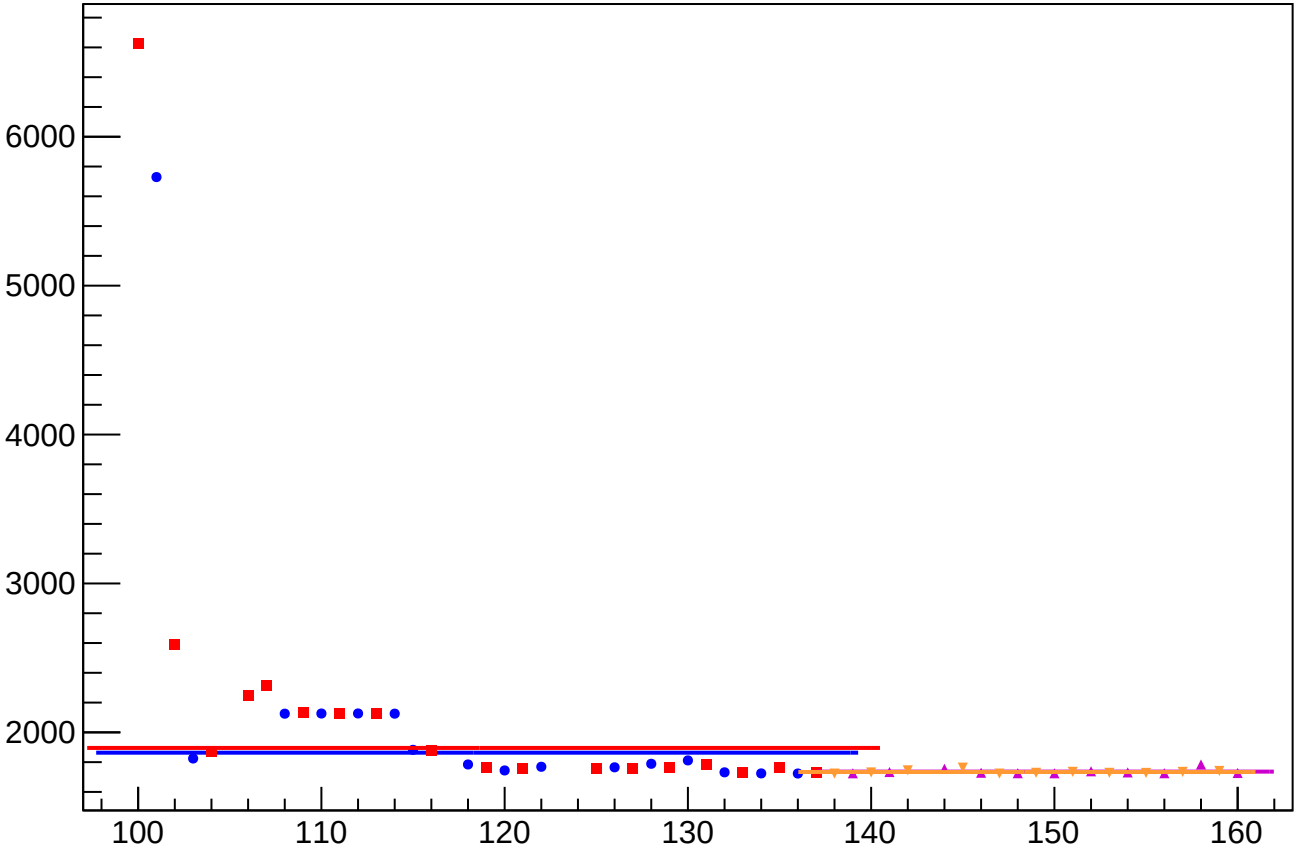
Left In: -248.756+/-561.618 χ^2/NDF:14.2/10

+ sign -0.344+/-452.061 χ^2/NDF: 24.9/26

All: -165.654+/-315.750 χ^2/NDF: 55.2/55

- 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: 1733.911+/-0.415 χ^2/NDF:697.6/10

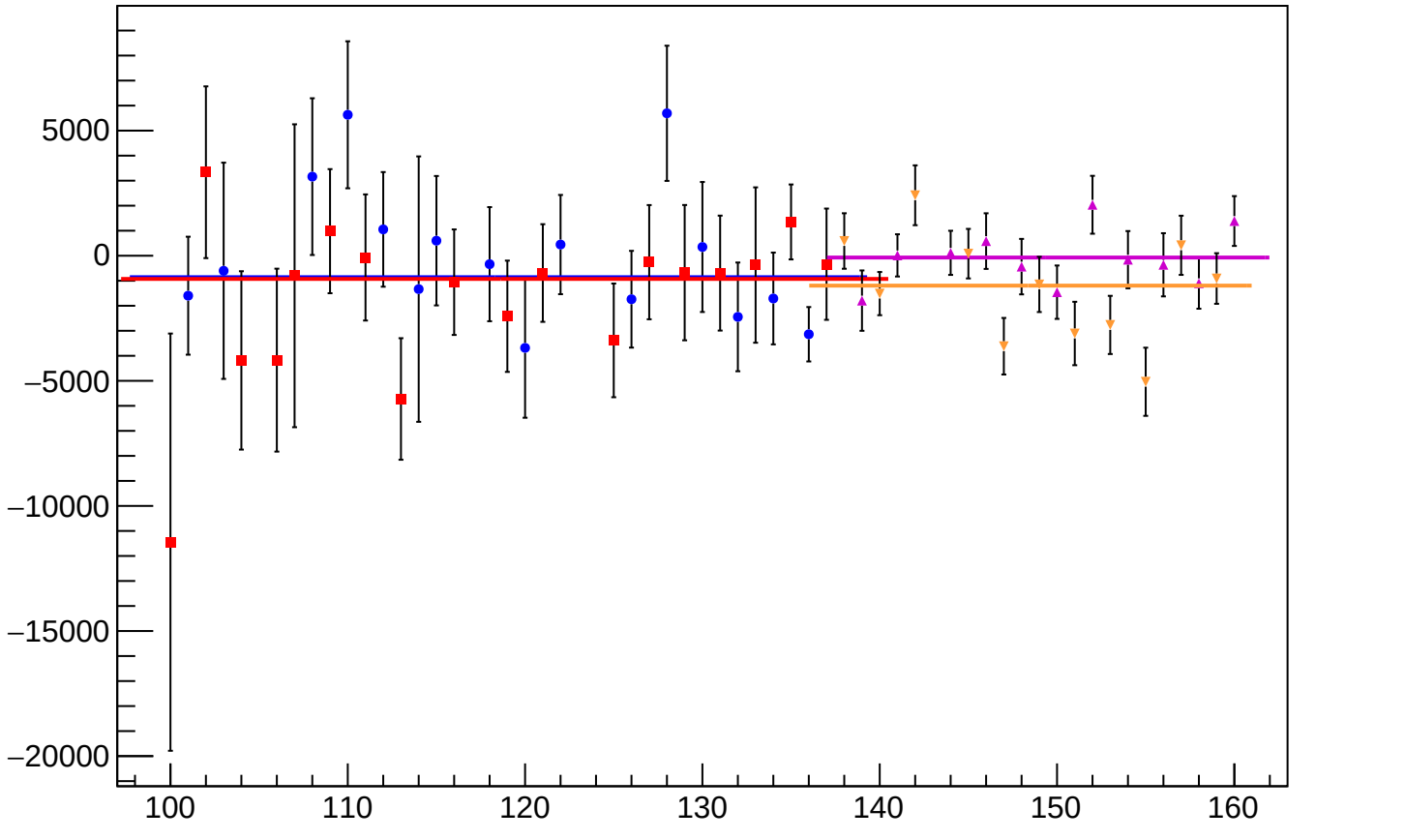
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1736.392+/-0.397 χ^2/NDF:1882.2/10

+ sign 1786.604+/-0.320 χ^2/NDF: 715059.4/26

All: 1792.081+/-0.223 χ^2/NDF: 1038130.6/55

- 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: -1195.051+/-331.985 χ^2/NDF:32.1/10

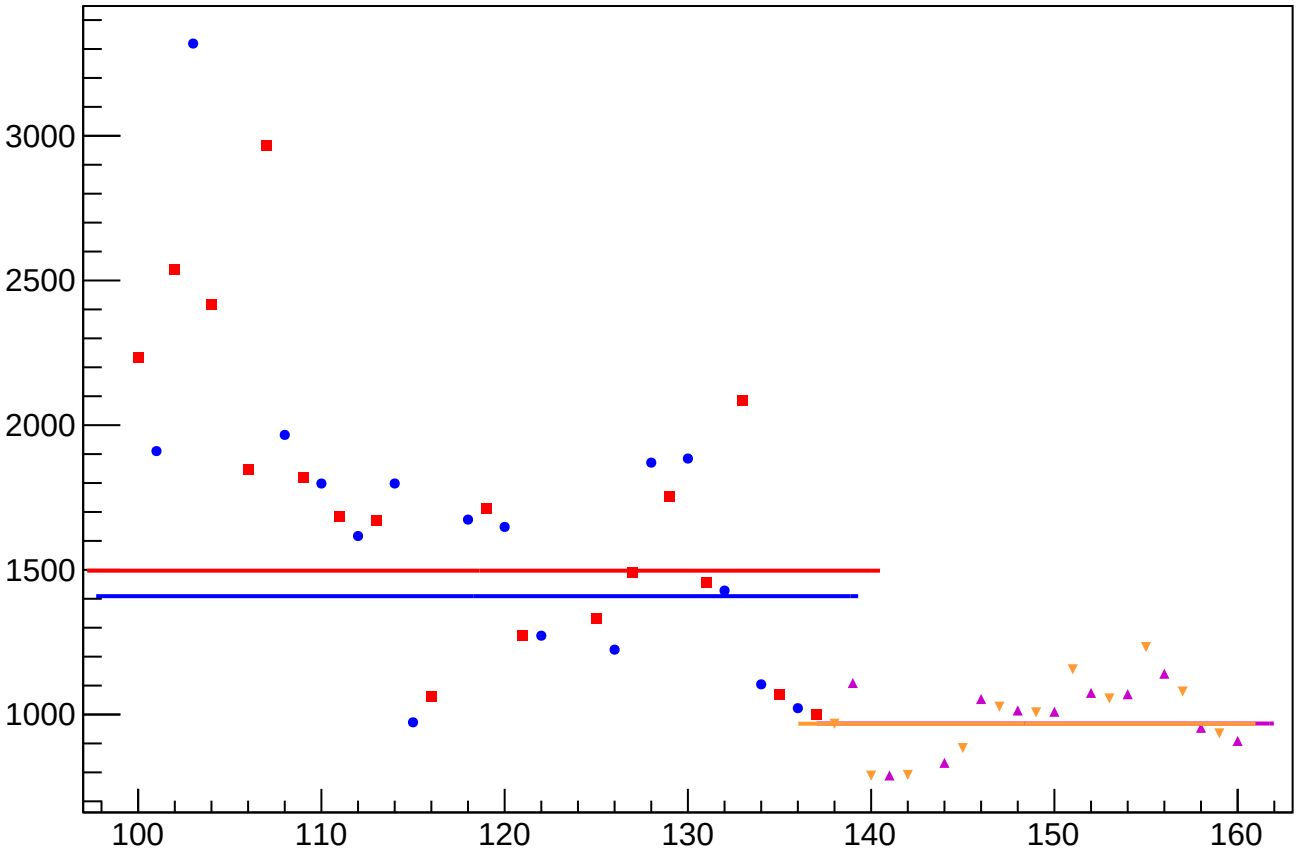
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -72.183+/-316.333 χ^2/NDF:10.8/10

+ sign -1105.013+/-284.187 χ^2/NDF: 53.0/26

All: -676.482+/-198.816 χ^2/NDF: 83.4/55

- 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: 968.139+/-0.235 χ^2/NDF:303366.9/10

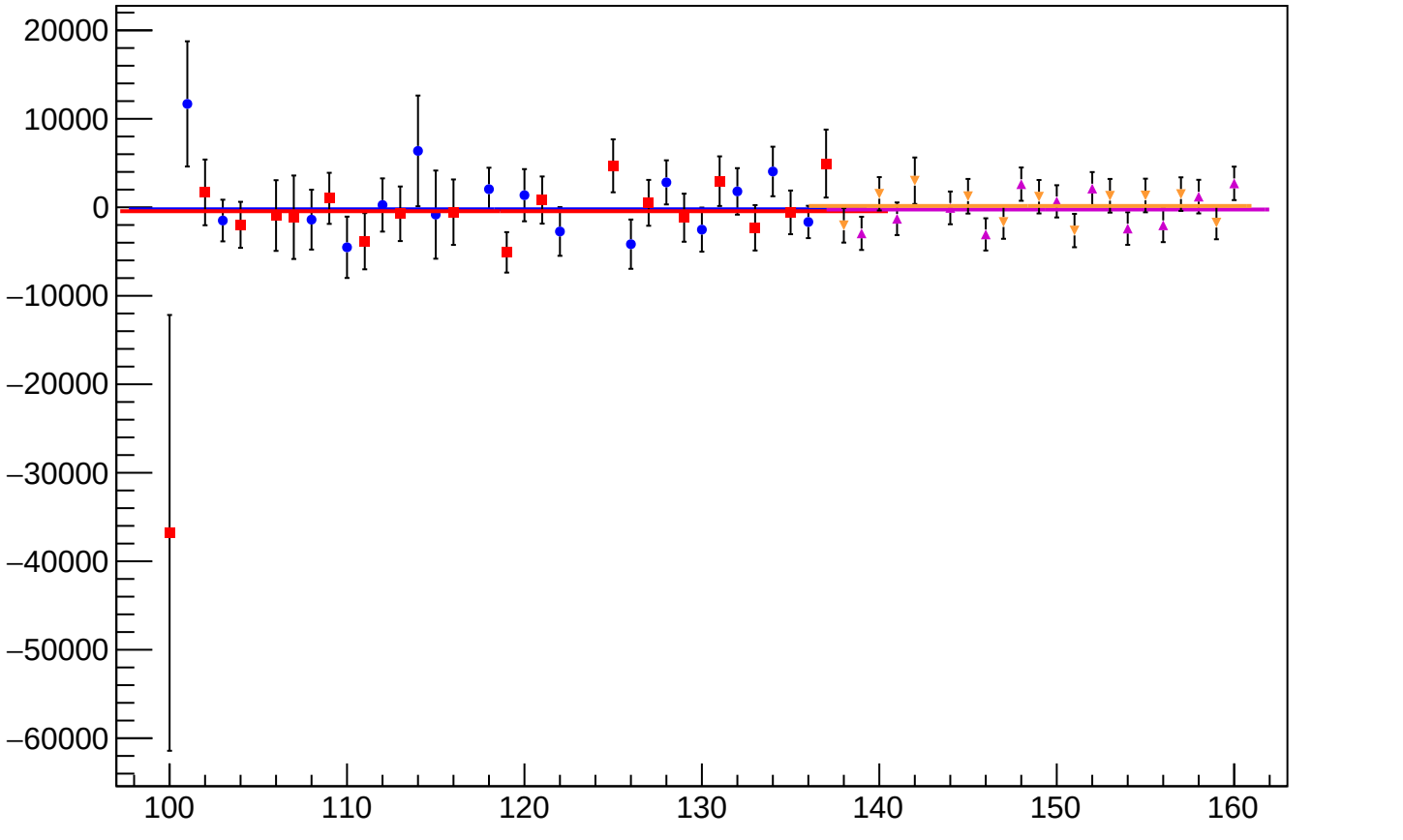
Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 968.915+/-0.224 χ^2/NDF:259984.0/10

+ sign 1085.953+/-0.201 χ^2/NDF: 2412998.3/26

All: 1087.234+/-0.141 χ^2/NDF: 4953314.0/55

- 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: 152.588+/-586.729 χ^2/NDF:8.9/10

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

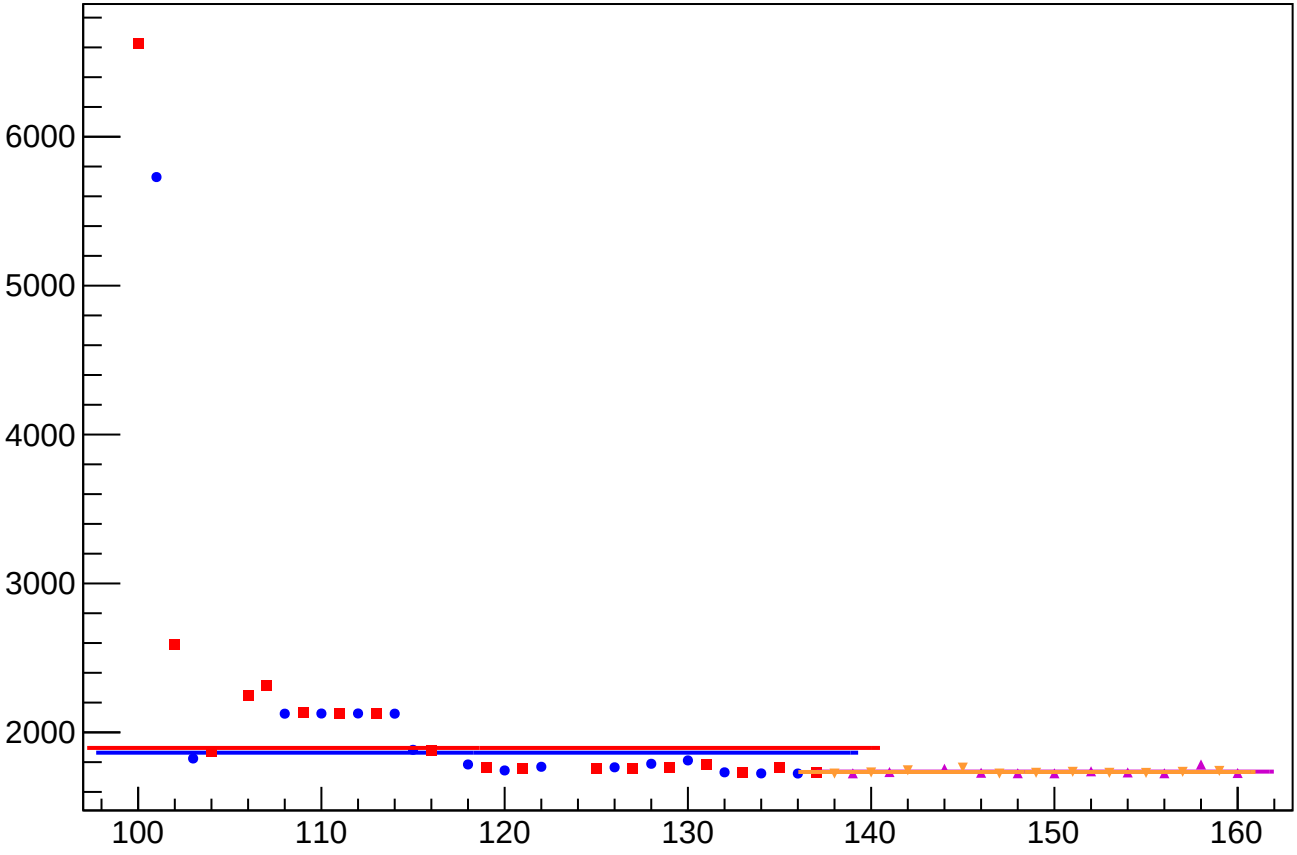
Left In: -248.756+/-561.618 χ^2/NDF:14.2/10

\+ sign -0.344+/-452.061 χ^2/NDF: 24.9/26

All: -165.654+/-315.750 χ^2/NDF: 55.2/55

\- 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: 1733.911+/-0.415 χ^2/NDF:697.6/10

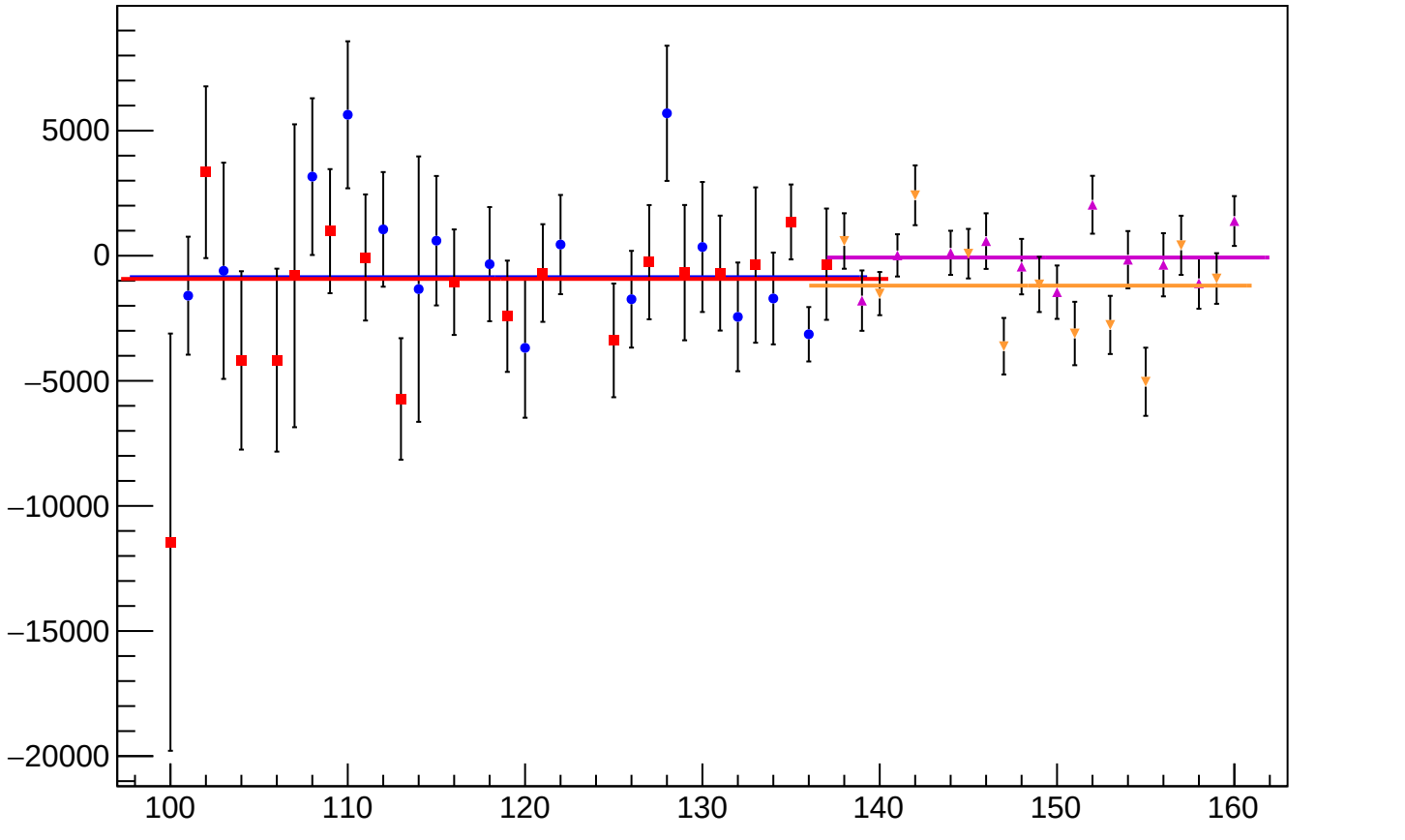
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1736.392+/-0.397 χ^2/NDF:1882.2/10

+ sign 1786.604+/-0.320 χ^2/NDF: 715059.4/26

All: 1792.081+/-0.223 χ^2/NDF: 1038130.6/55

- 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: -1195.051+/-331.985 χ^2/NDF:32.1/10

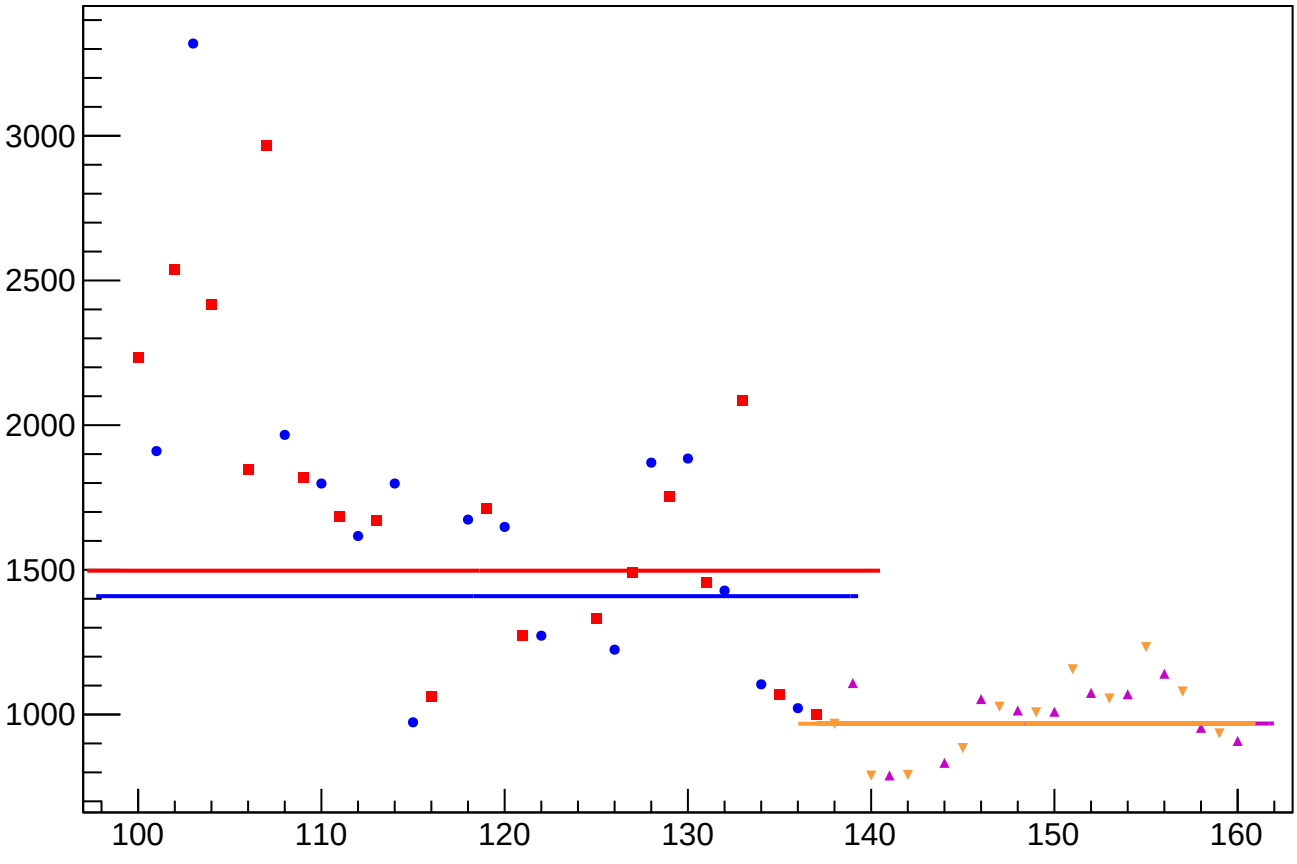
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -72.183+/-316.333 χ^2/NDF:10.8/10

+ sign -1105.013+/-284.187 χ^2/NDF: 53.0/26

All: -676.482+/-198.816 χ^2/NDF: 83.4/55

- 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: 968.139+/-0.235 χ^2/NDF:303366.9/10

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

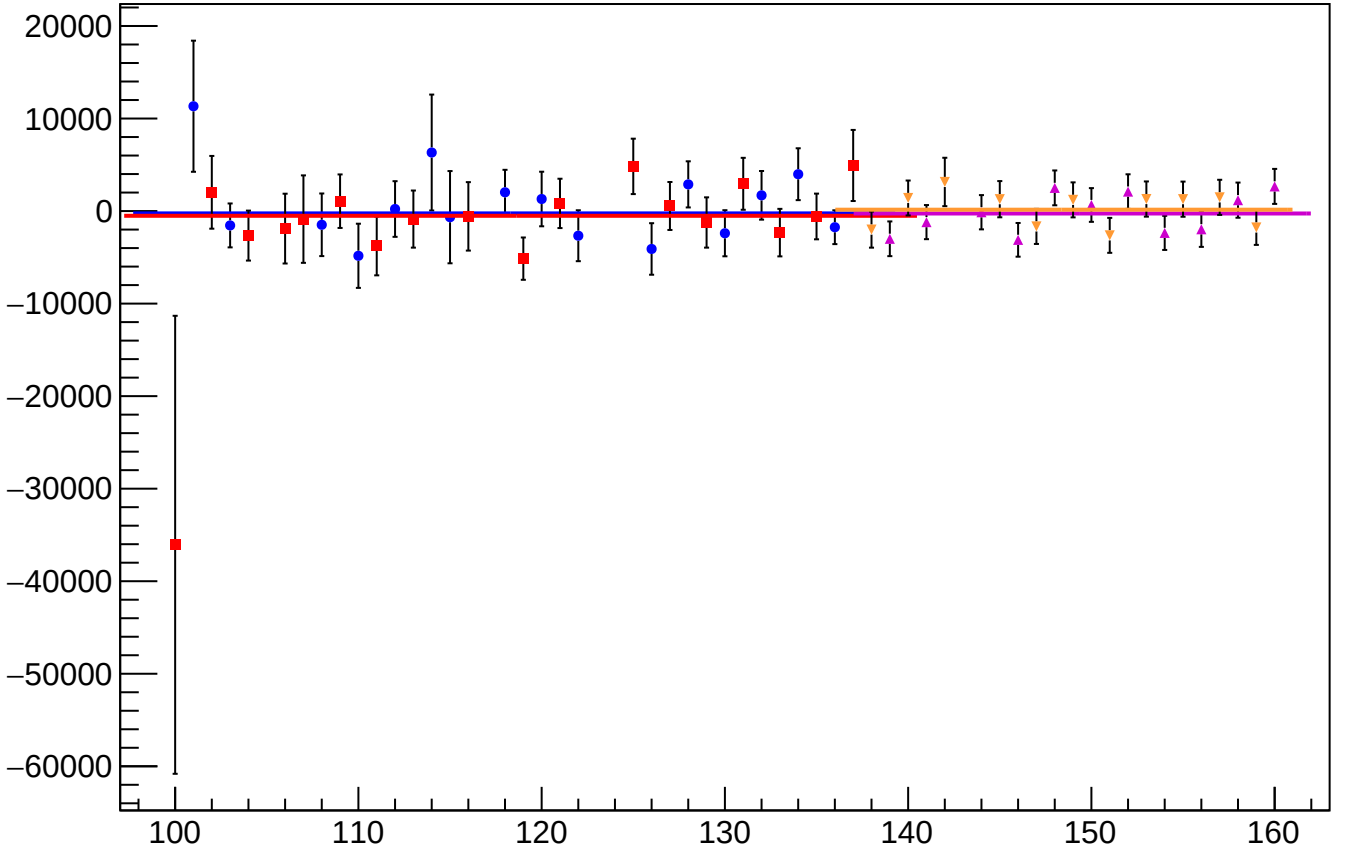
Left In: 968.915+/-0.224 χ^2/NDF:259984.0/10

+ sign 1085.953+/-0.201 χ^2/NDF: 2412998.3/26

All: 1087.234+/-0.141 χ^2/NDF: 4953314.0/55

- 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: 148.654+/-586.909 χ^2/NDF:9.0/10

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

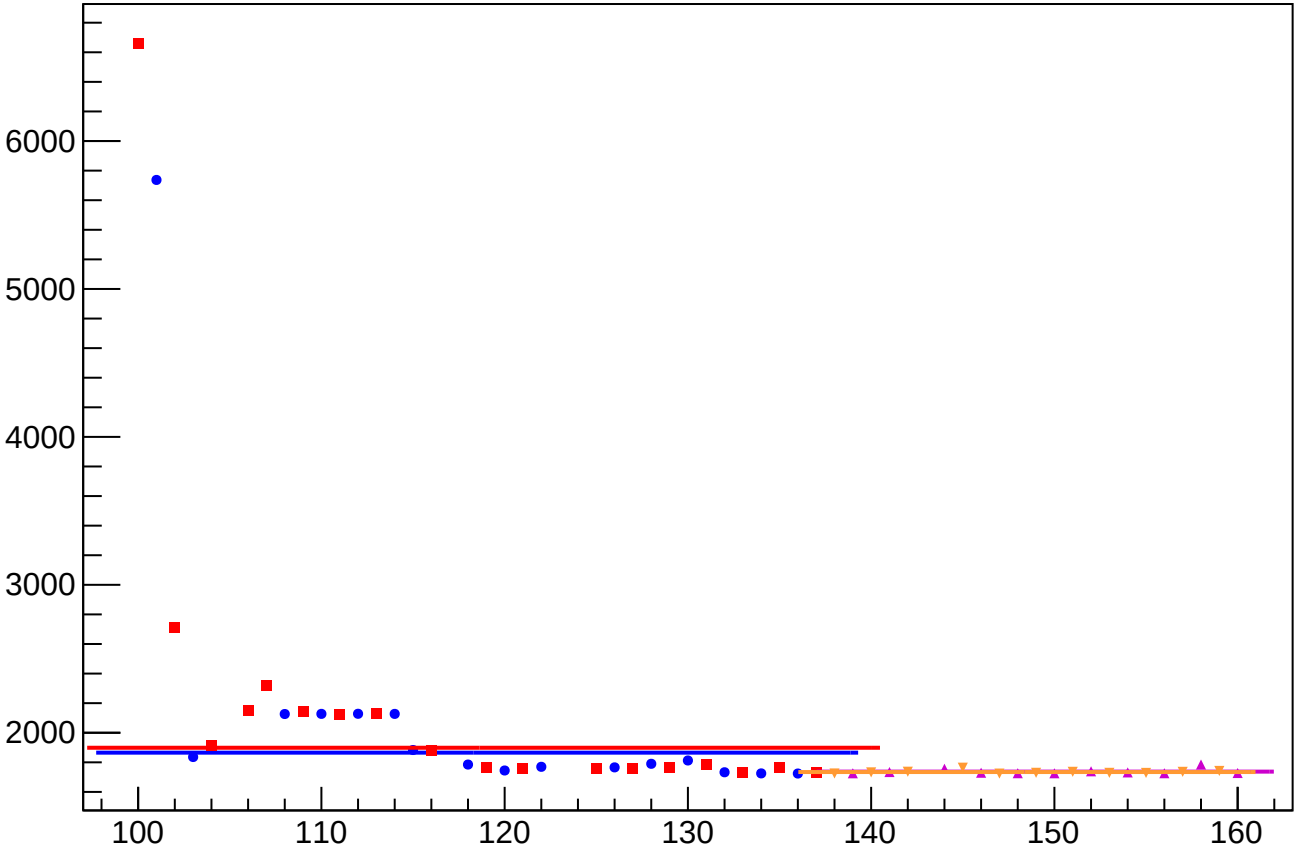
Left In: -262.335+/-561.881 χ^2/NDF:13.9/10

+ sign -14.003+/-452.356 χ^2/NDF: 24.8/26

All: -189.444+/-316.100 χ^2/NDF: 55.5/55

- 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: 1734.387+/-0.415 χ^2/NDF:650.9/10

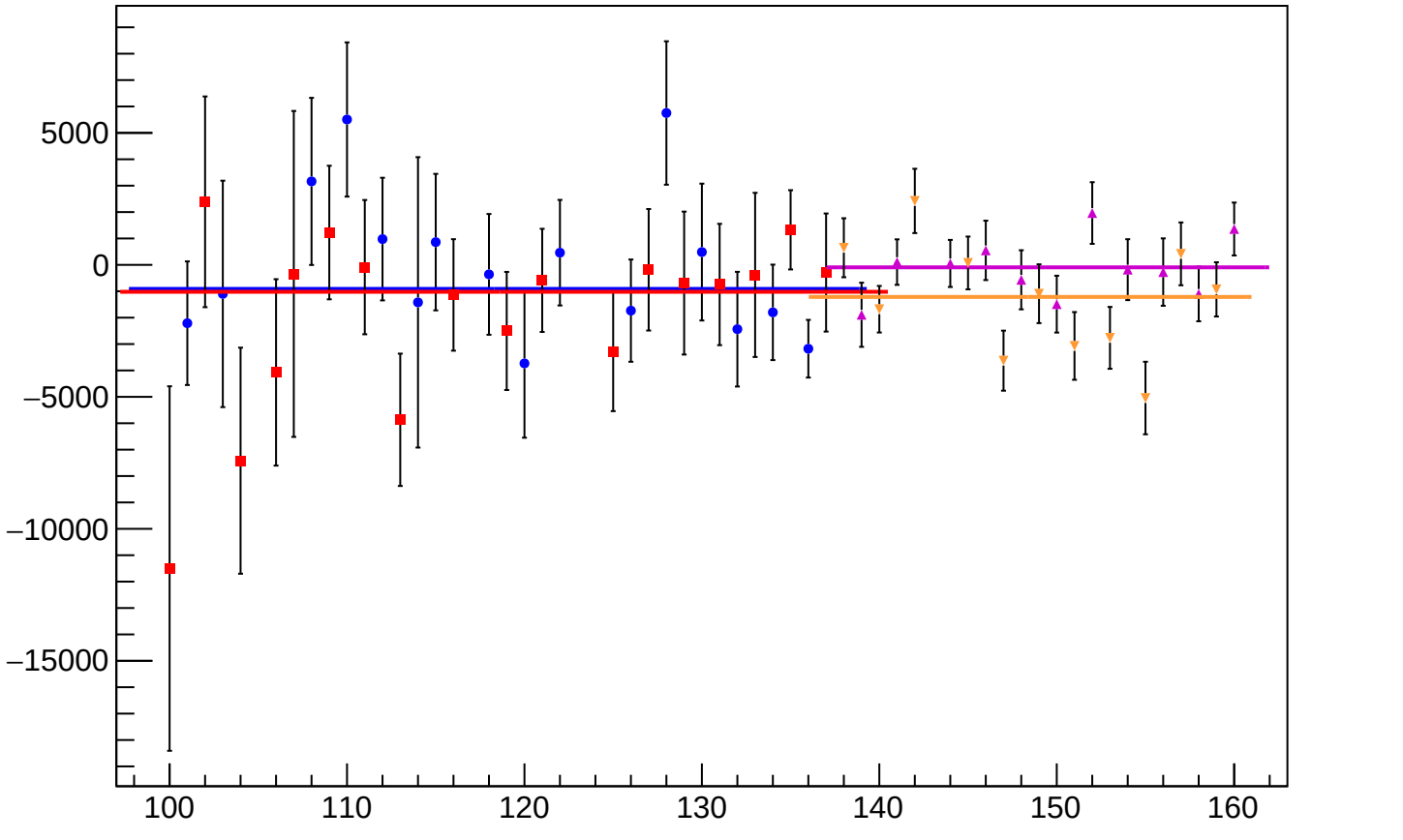
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1737.206+/-0.397 χ^2/NDF:1879.0/10

+ sign 1787.589+/-0.320 χ^2/NDF: 716122.1/26

All: 1793.314+/-0.224 χ^2/NDF: 1050690.6/55

- 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: -1214.591+/-335.949 χ^2/NDF:31.7/10

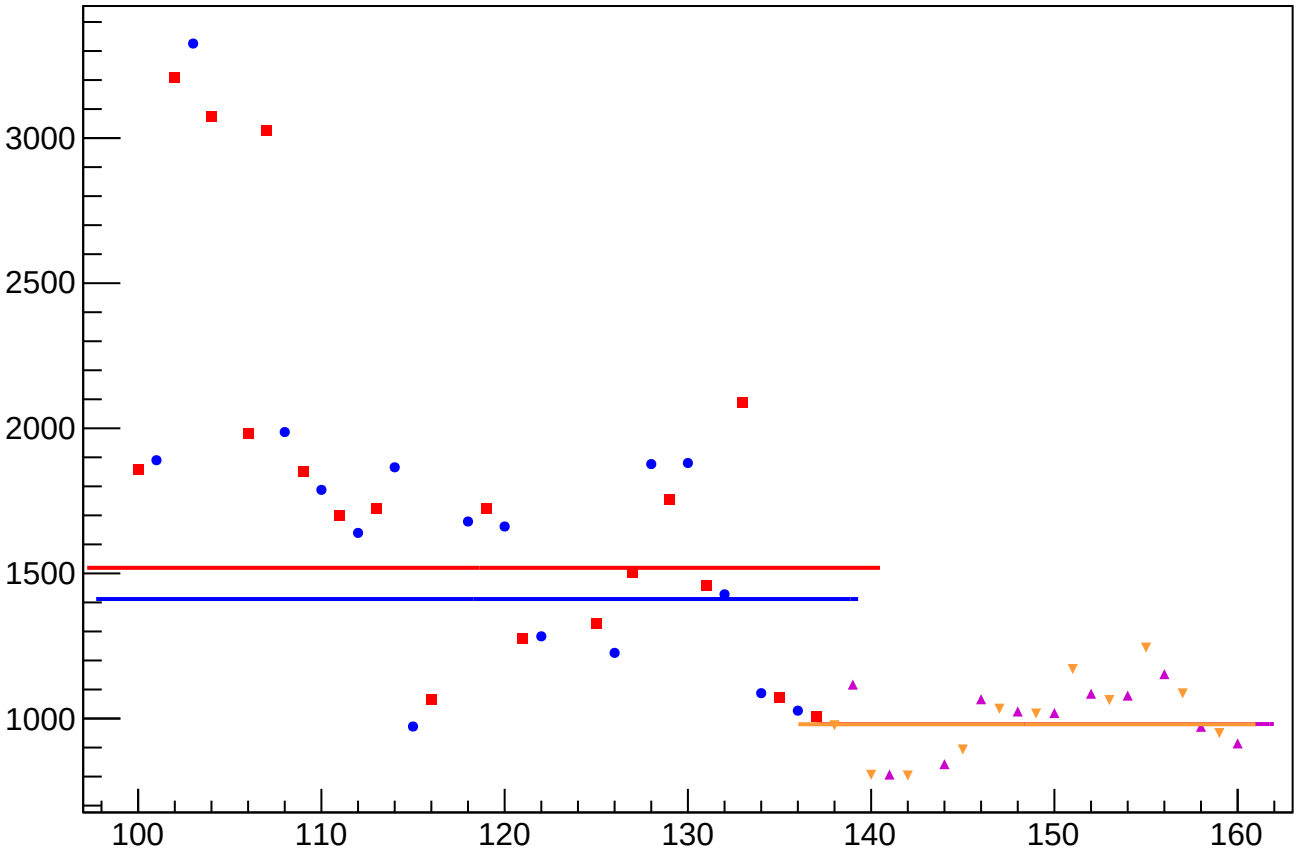
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -93.629+/-320.101 χ^2/NDF:10.6/10

+ sign -1132.270+/-286.815 χ^2/NDF: 52.9/26

All: -710.154+/-200.915 χ^2/NDF: 84.6/55

- 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: 980.308+/-0.238 χ^2/NDF:287562.1/10

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

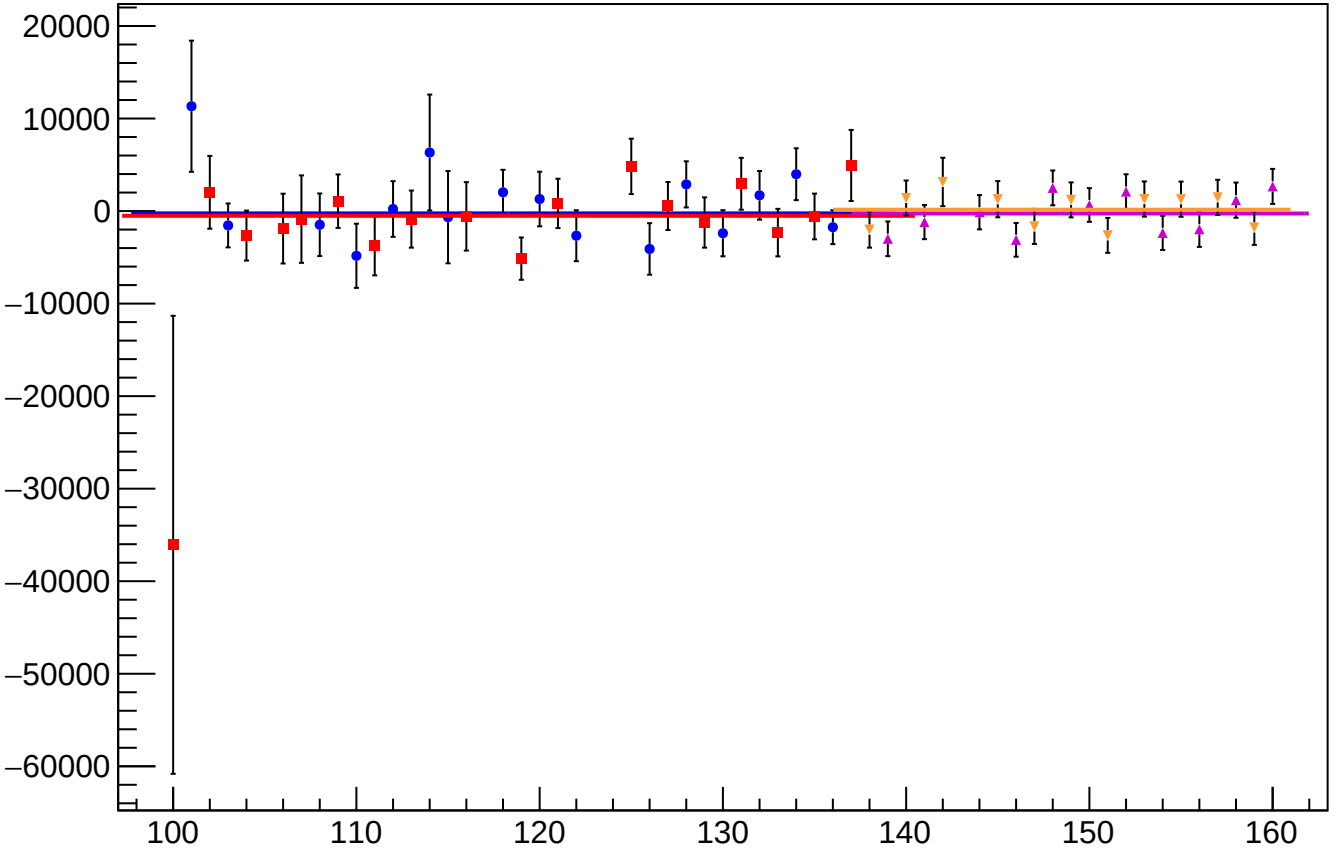
Left In: 981.001+/-0.226 χ^2/NDF:247583.3/10

+ sign 1097.279+/-0.203 χ^2/NDF: 2359609.4/26

All: 1100.145+/-0.142 χ^2/NDF: 5248613.8/55

- 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: 148.653+/-586.909 χ^2/NDF:9.0/10

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

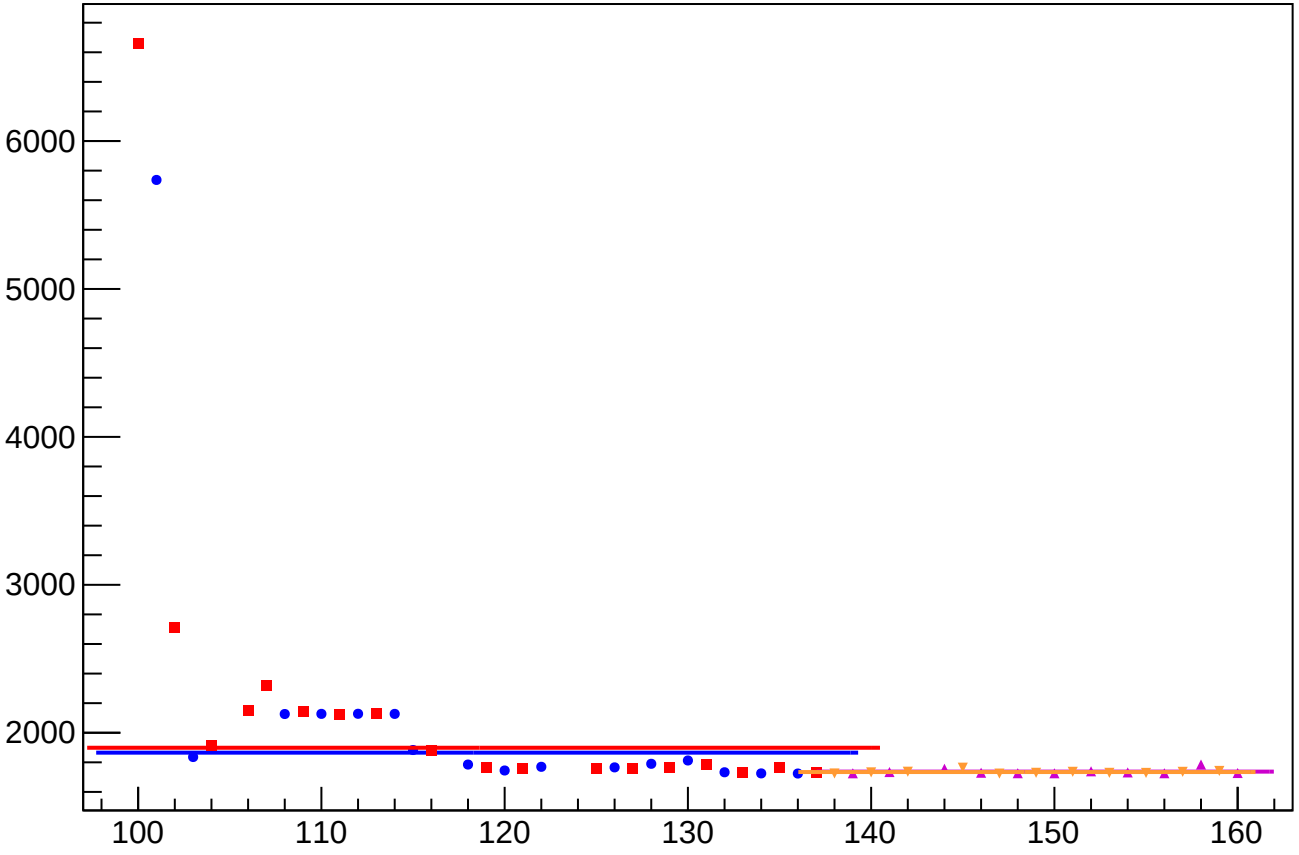
Left In: -262.336+/-561.881 χ^2/NDF:13.9/10

+ sign -14.003+/-452.356 χ^2/NDF: 24.8/26

All: -189.444+/-316.100 χ^2/NDF: 55.5/55

- 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: 1734.387+/-0.415 χ^2/NDF:650.9/10

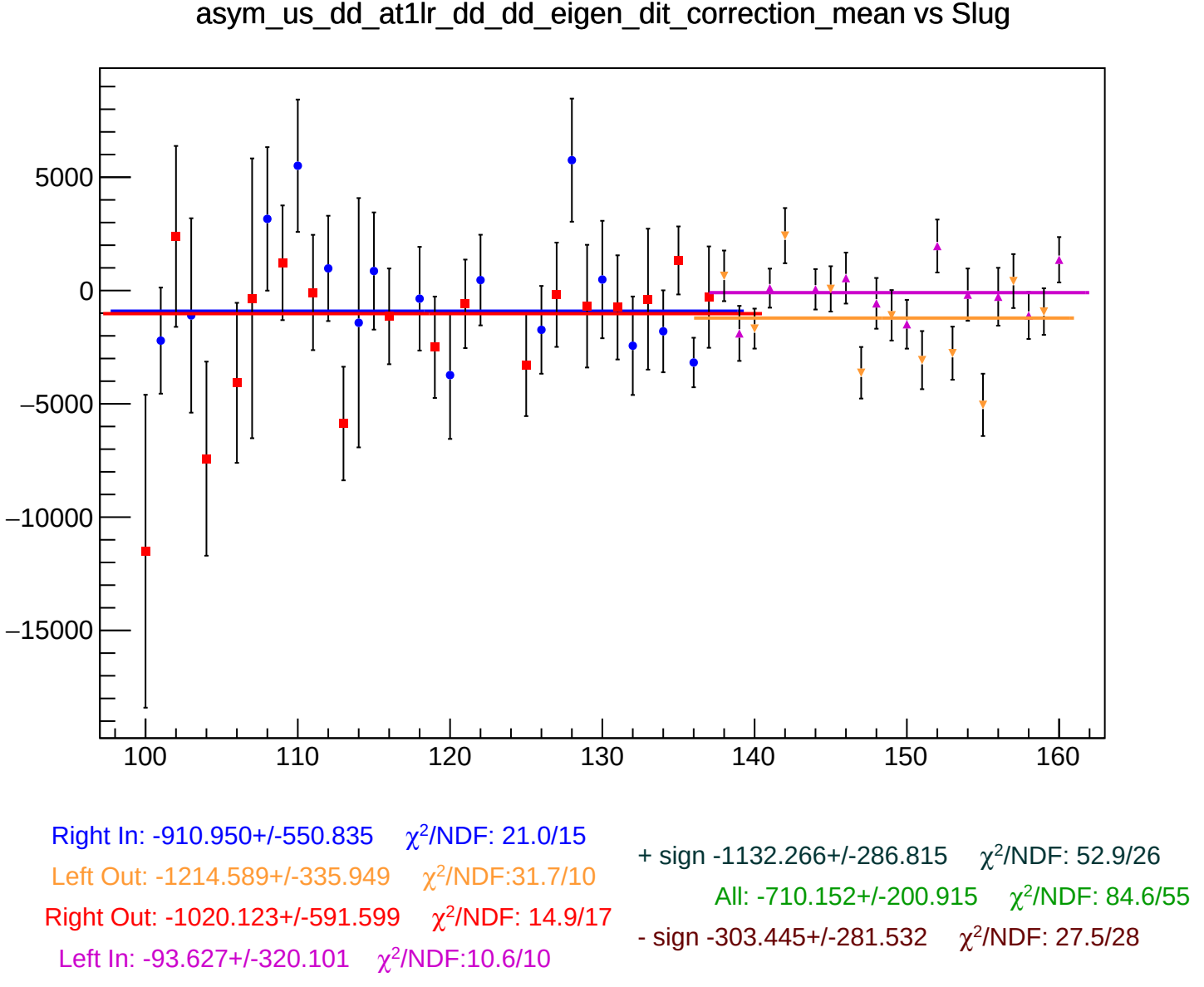
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

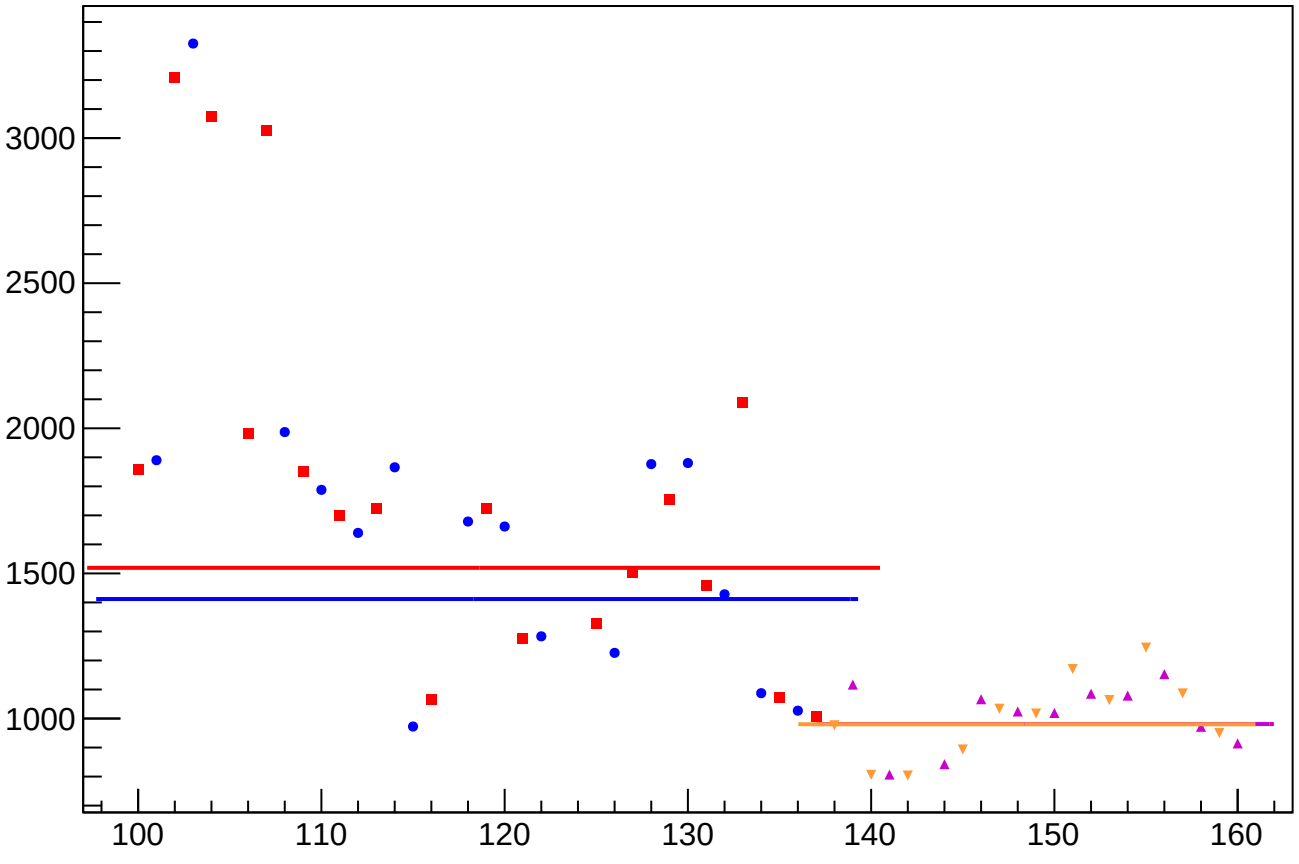
Left In: 1737.206+/-0.397 χ^2/NDF:1879.0/10

+ sign 1787.589+/-0.320 χ^2/NDF: 716122.1/26

All: 1793.314+/-0.224 χ^2/NDF: 1050690.3/55

- 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: -1214.589+/-335.949 χ²/NDF:31.7/10
Right Out: -1020.123+/-591.599 χ²/NDF: 14.9/17
Left In: -93.627+/-320.101 χ²/NDF:10.6/10
+ sign -1132.266+/-286.815 χ²/NDF: 52.9/26
All: -710.152+/-200.915 χ²/NDF: 84.6/55
- sign -303.445+/-281.532 χ²/NDF: 27.5/28



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 980.307+/-0.238 χ^2/NDF:287572.0/10

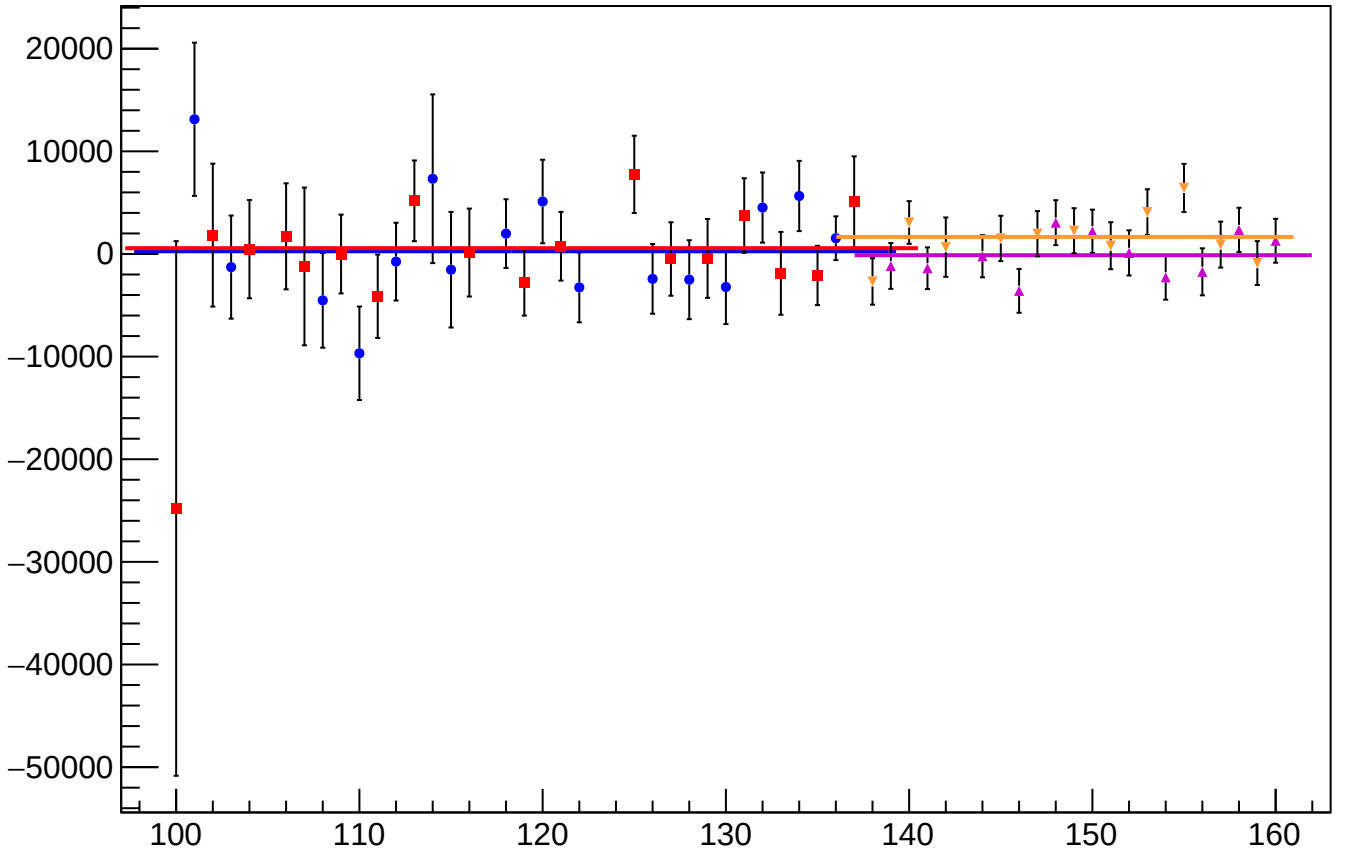
Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 981.001+/-0.226 χ^2/NDF:247591.5/10

+ sign 1097.278+/-0.203 χ^2/NDF: 2359611.7/26

All: 1100.145+/-0.142 χ^2/NDF: 5248619.5/55

- sign 1102.907+/-0.199 χ^2/NDF: 2888615.4/28



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1660.917+/-681.007 χ^2/NDF:11.3/10

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

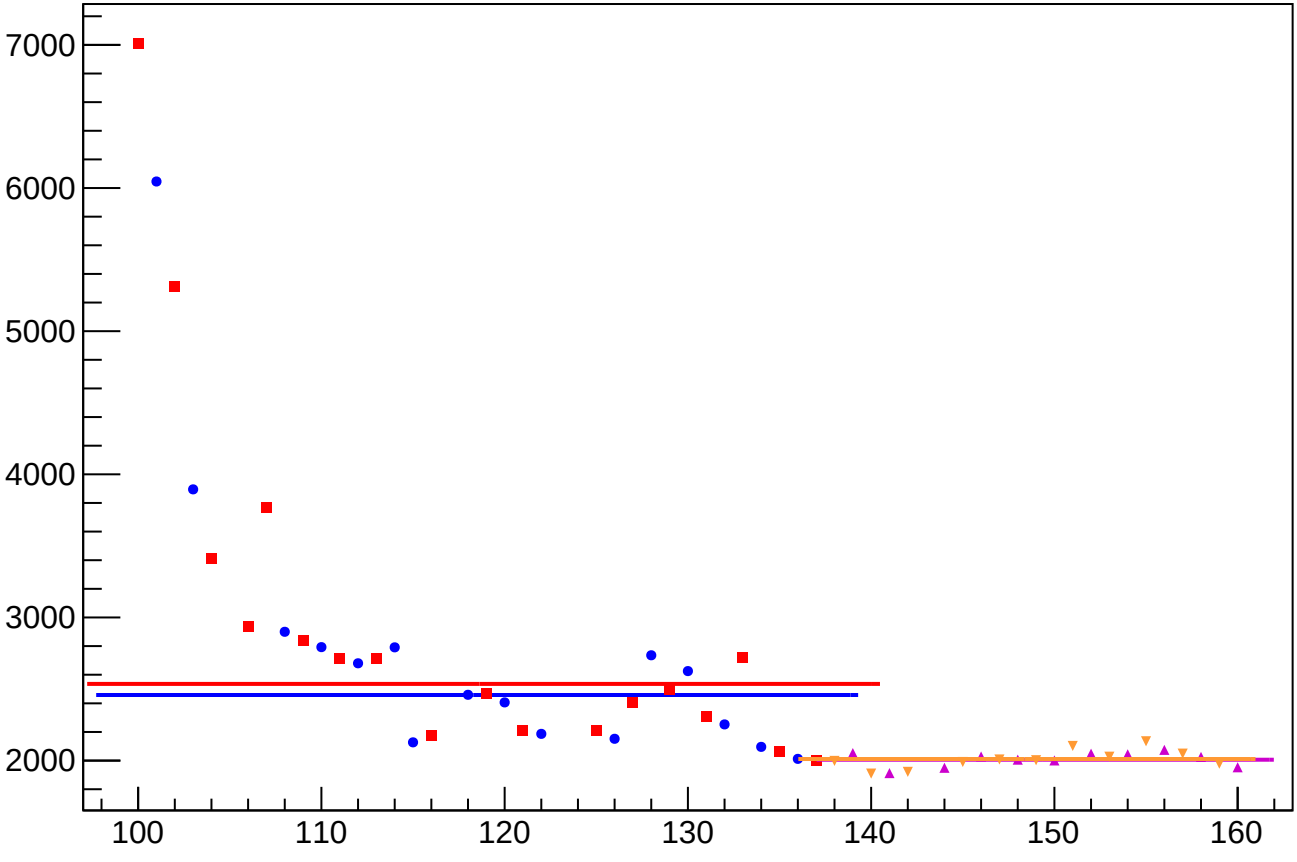
Left In: -119.166+/-649.132 χ^2/NDF:9.8/10

+ sign 1181.550+/-551.886 χ^2/NDF: 31.8/26

All: 623.837+/-385.332 χ^2/NDF: 55.7/55

- 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: 2011.057+/-0.482 χ^2/NDF:16888.7/10

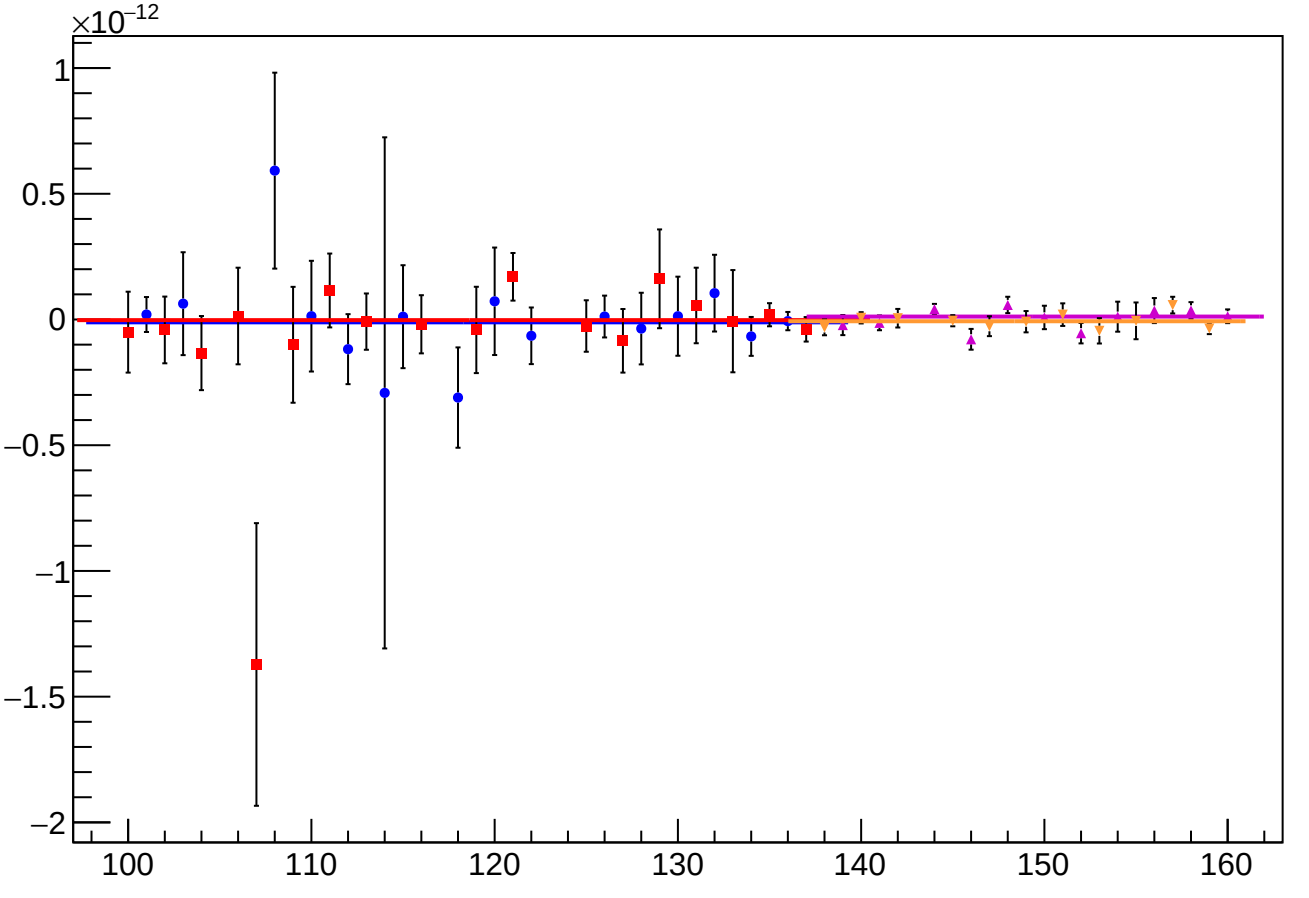
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 2006.153+/-0.459 χ^2/NDF:11359.4/10

+ sign 2164.586+/-0.390 χ^2/NDF: 1145914.5/26

All: 2168.198+/-0.272 χ^2/NDF: 2246768.7/55

- 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:7.7/10

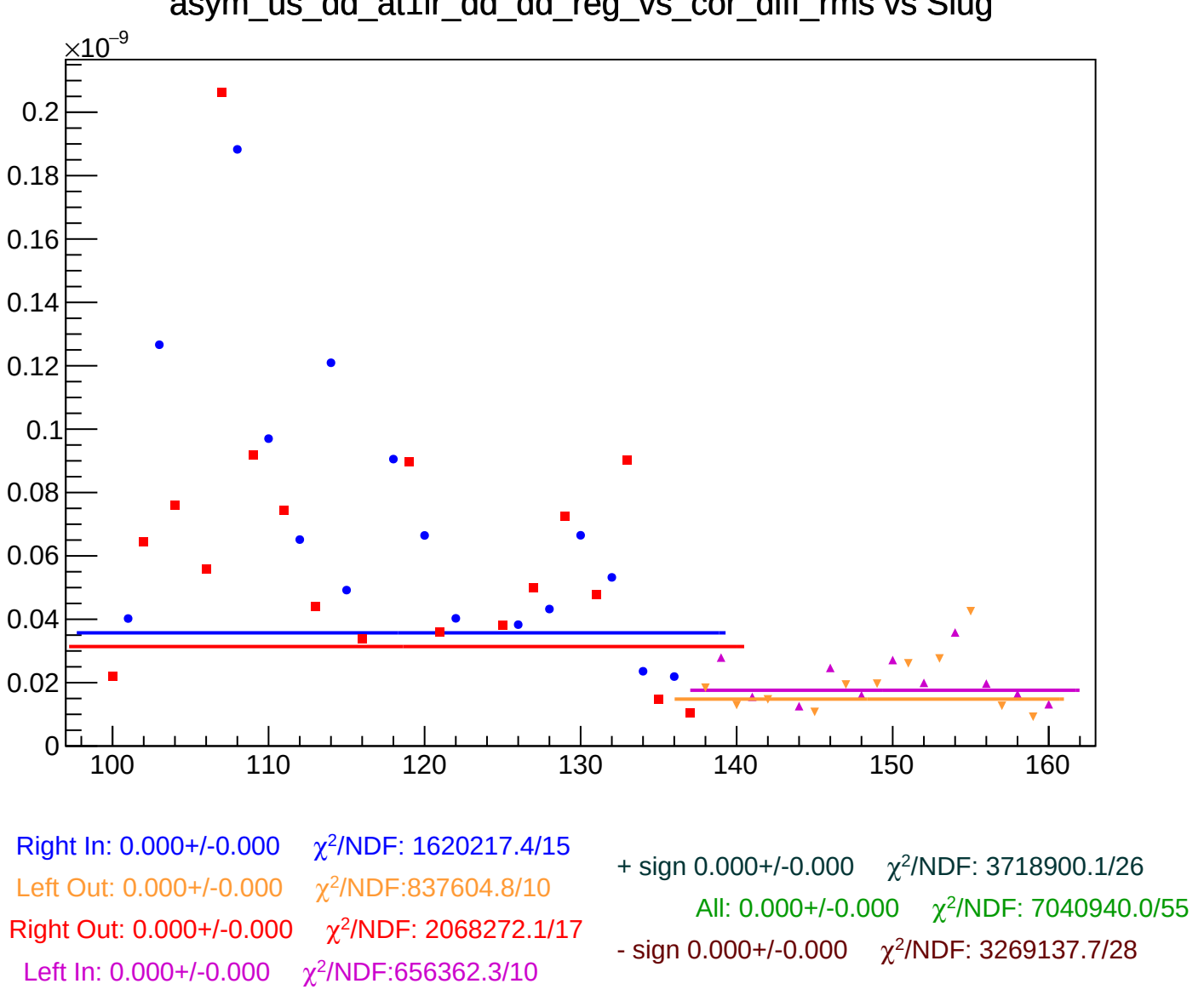
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

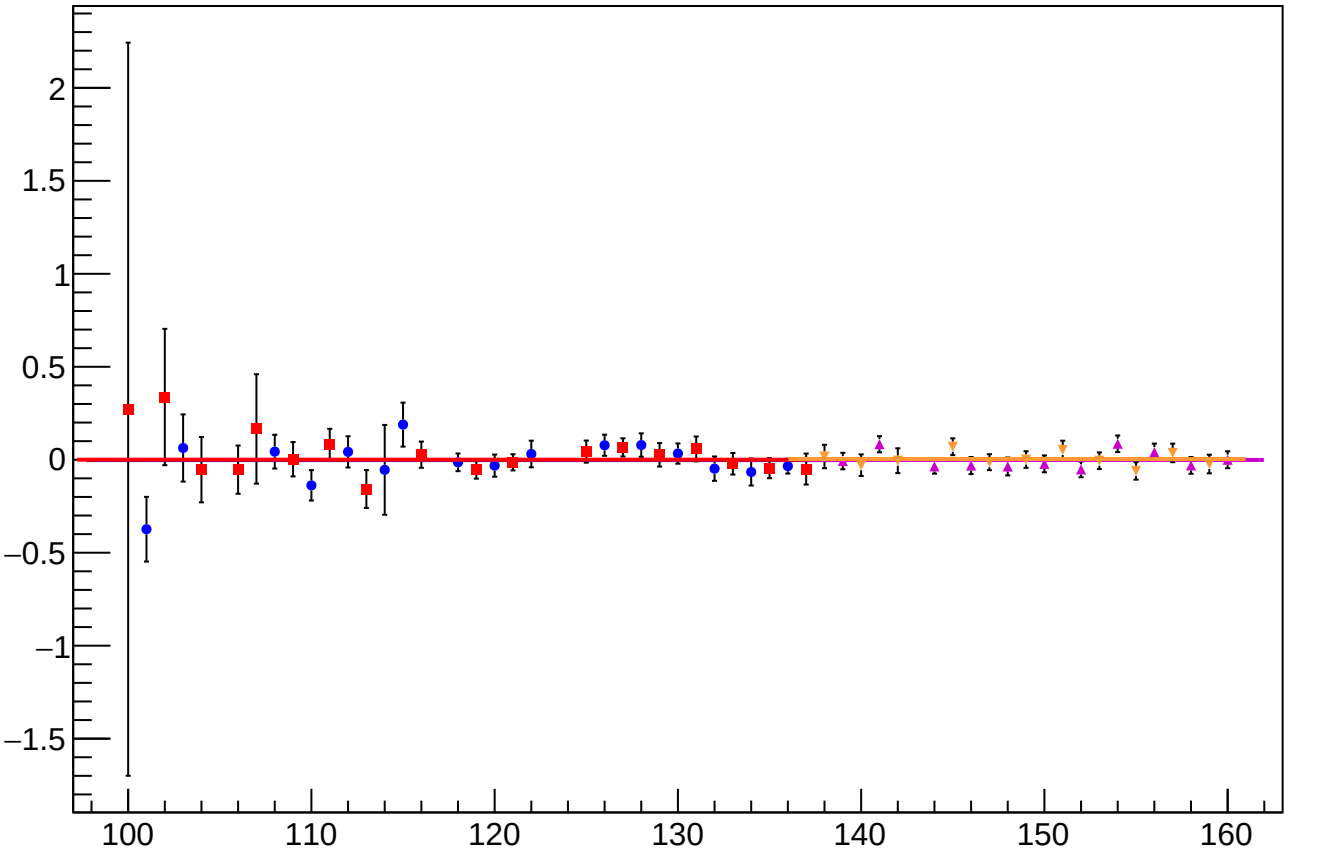
Left In: 0.000+/-0.000 χ^2/NDF:13.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 15.0/26

All: 0.000+/-0.000 χ^2/NDF: 43.9/55

- 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:837604.8/10
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: 3718900.1/26
All: 0.000+/-0.000 χ²/NDF: 7040940.0/55
- sign 0.000+/-0.000 χ²/NDF: 3269137.7/28



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.004+/-0.015 χ^2/NDF:6.3/10

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

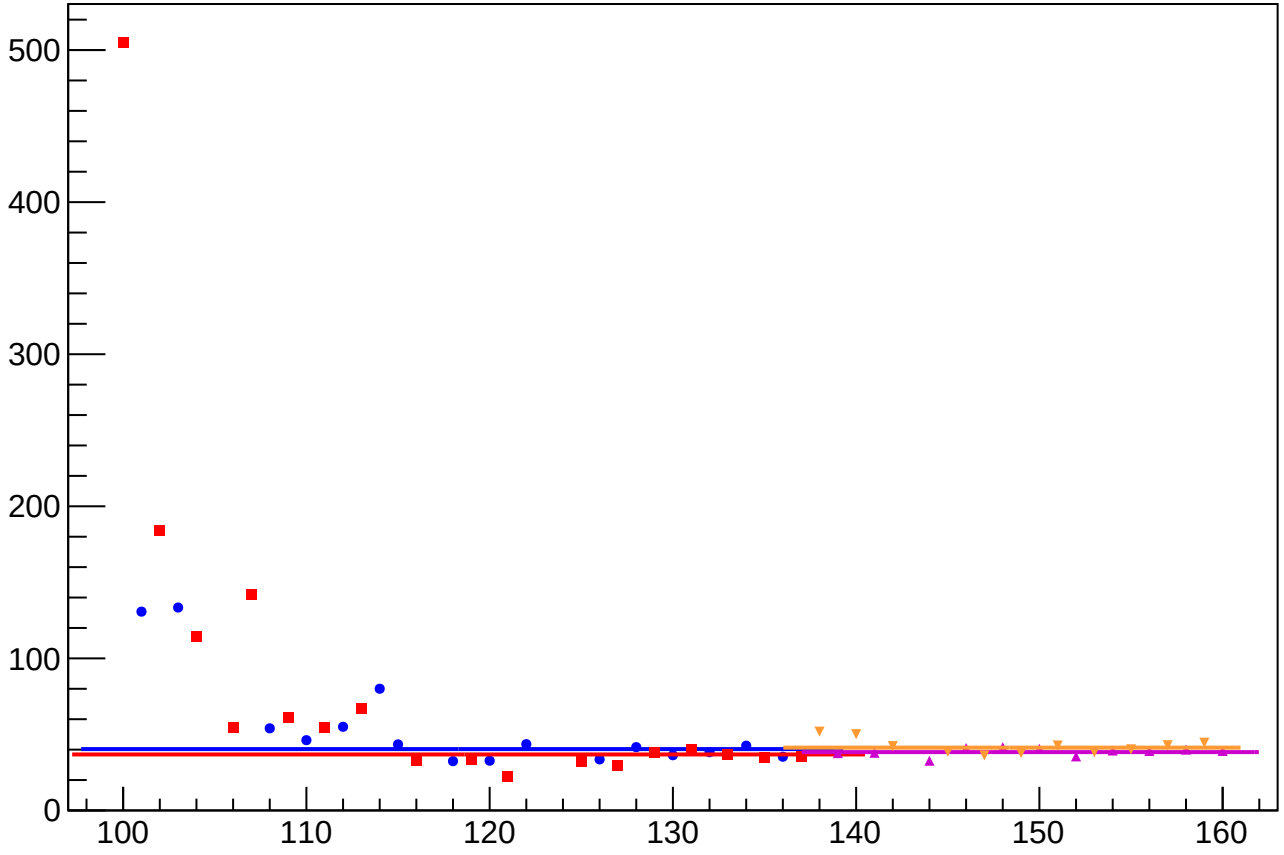
Left In: -0.001+/-0.013 χ^2/NDF:12.3/10

+ sign 0.002+/-0.011 χ^2/NDF: 23.5/26

All: 0.000+/-0.008 χ^2/NDF: 46.7/55

- 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: 41.305+/-0.011 χ^2/NDF:173051.1/10

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

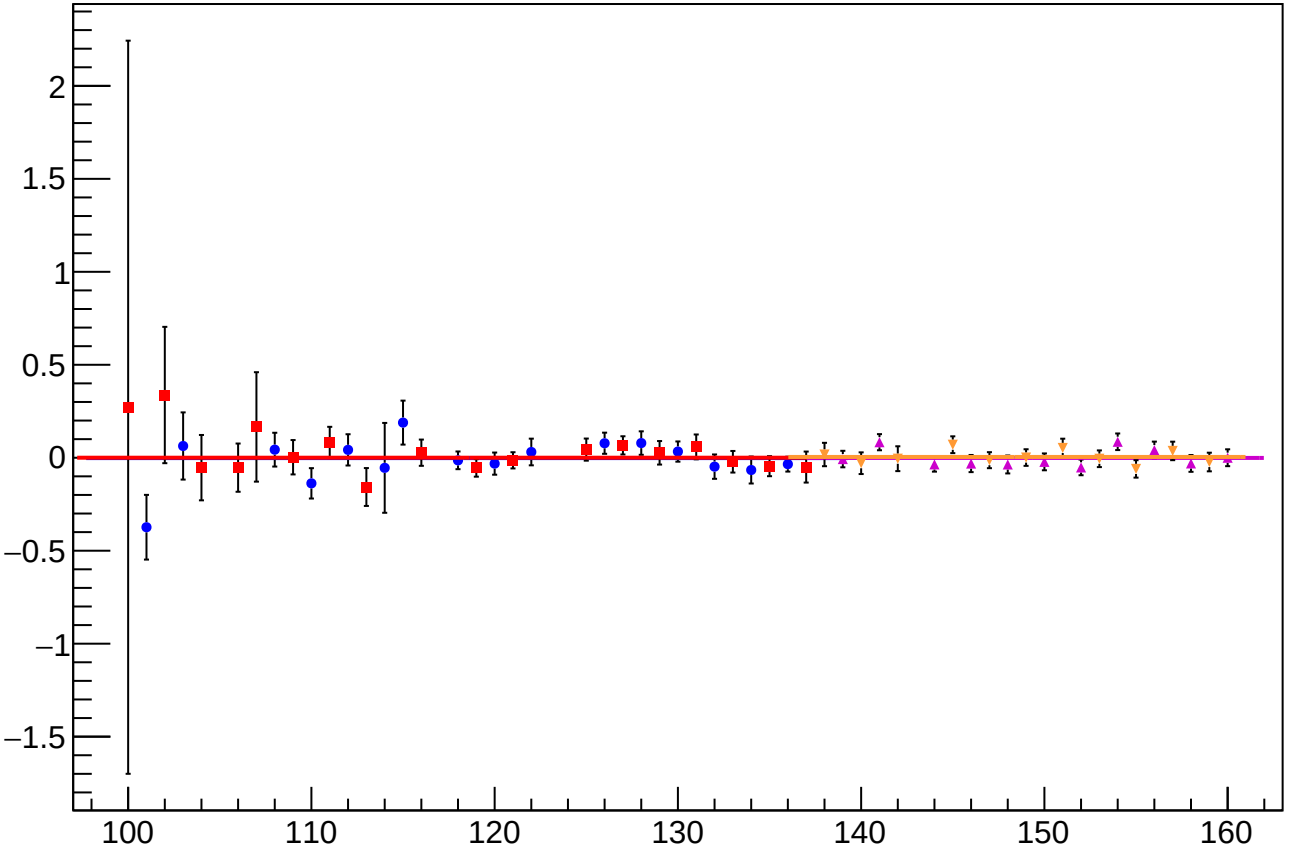
Left In: 38.364+/-0.009 χ^2/NDF:76936.2/10

+ sign 40.891+/-0.008 χ^2/NDF: 1586712.0/26

All: 39.206+/-0.005 χ^2/NDF: 3594325.8/55

- sign 37.762+/-0.007 χ^2/NDF: 1924445.3/28

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.004+/-0.015 χ^2/NDF:6.3/10

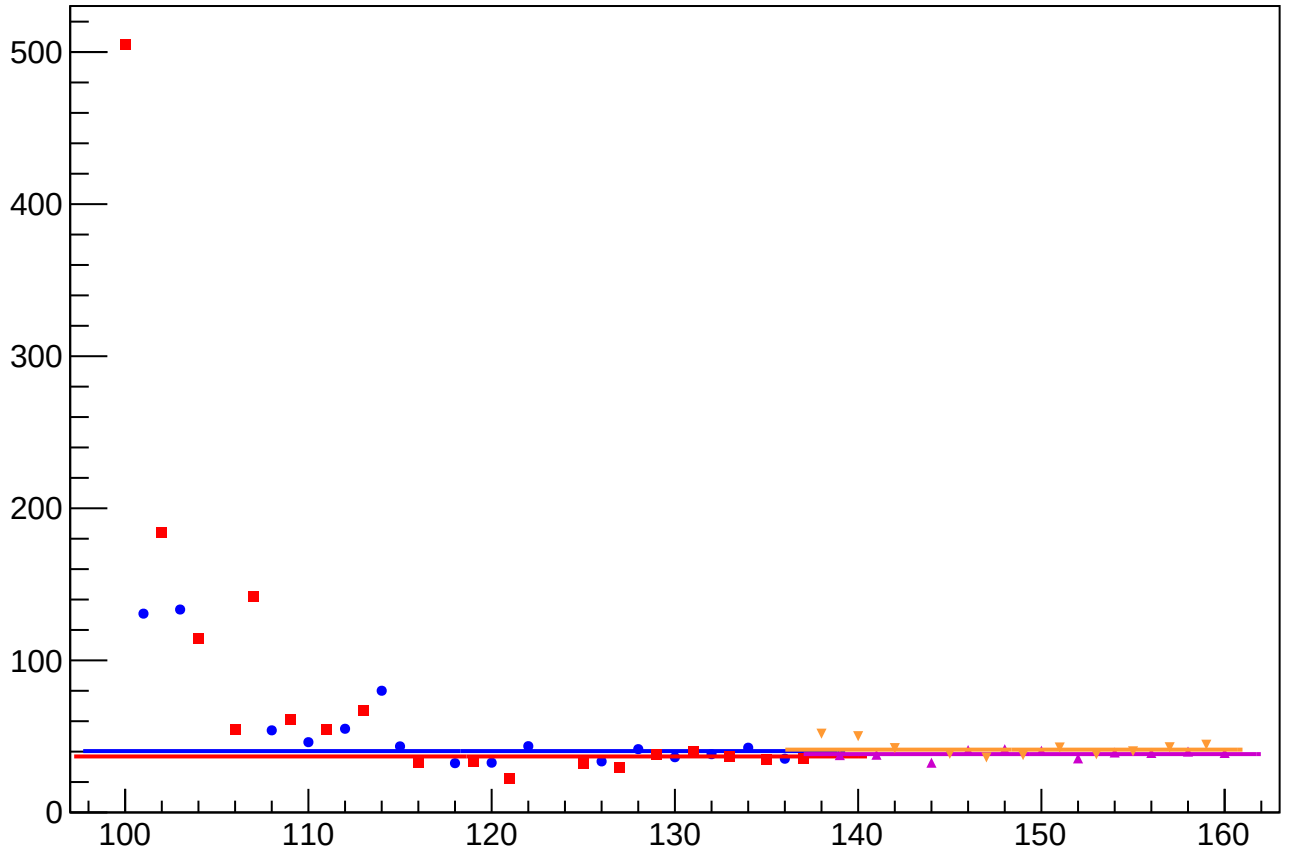
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.013 χ^2/NDF:12.3/10

+ sign 0.002+/-0.011 χ^2/NDF: 23.5/26

All: 0.000+/-0.008 χ^2/NDF: 46.7/55

- 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: 41.305+/-0.011 χ^2/NDF:173051.1/10

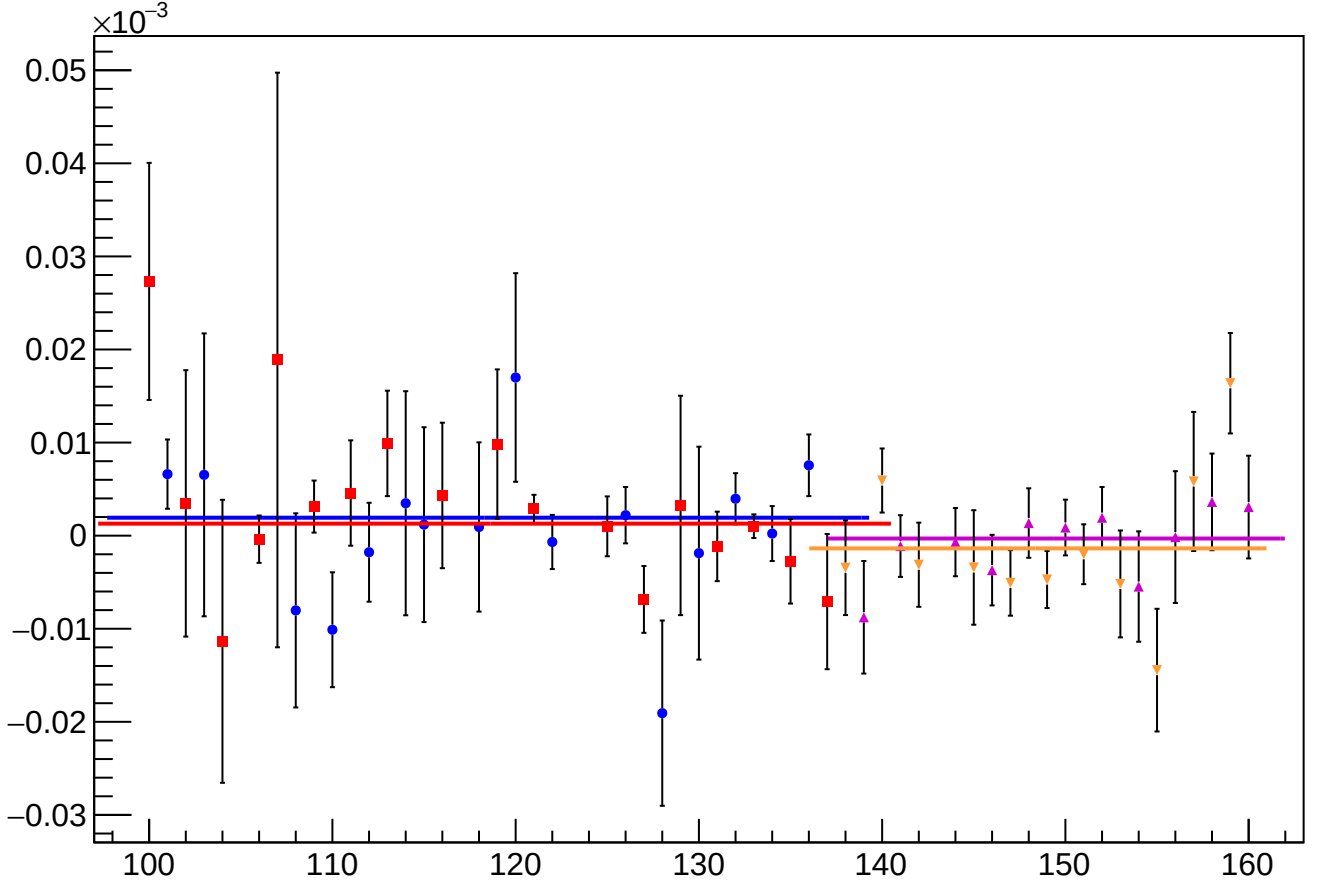
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.364+/-0.009 χ^2/NDF:76936.2/10

+ sign 40.891+/-0.008 χ^2/NDF: 1586712.0/26

All: 39.206+/-0.005 χ^2/NDF: 3594325.8/55

- 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:23.4/10

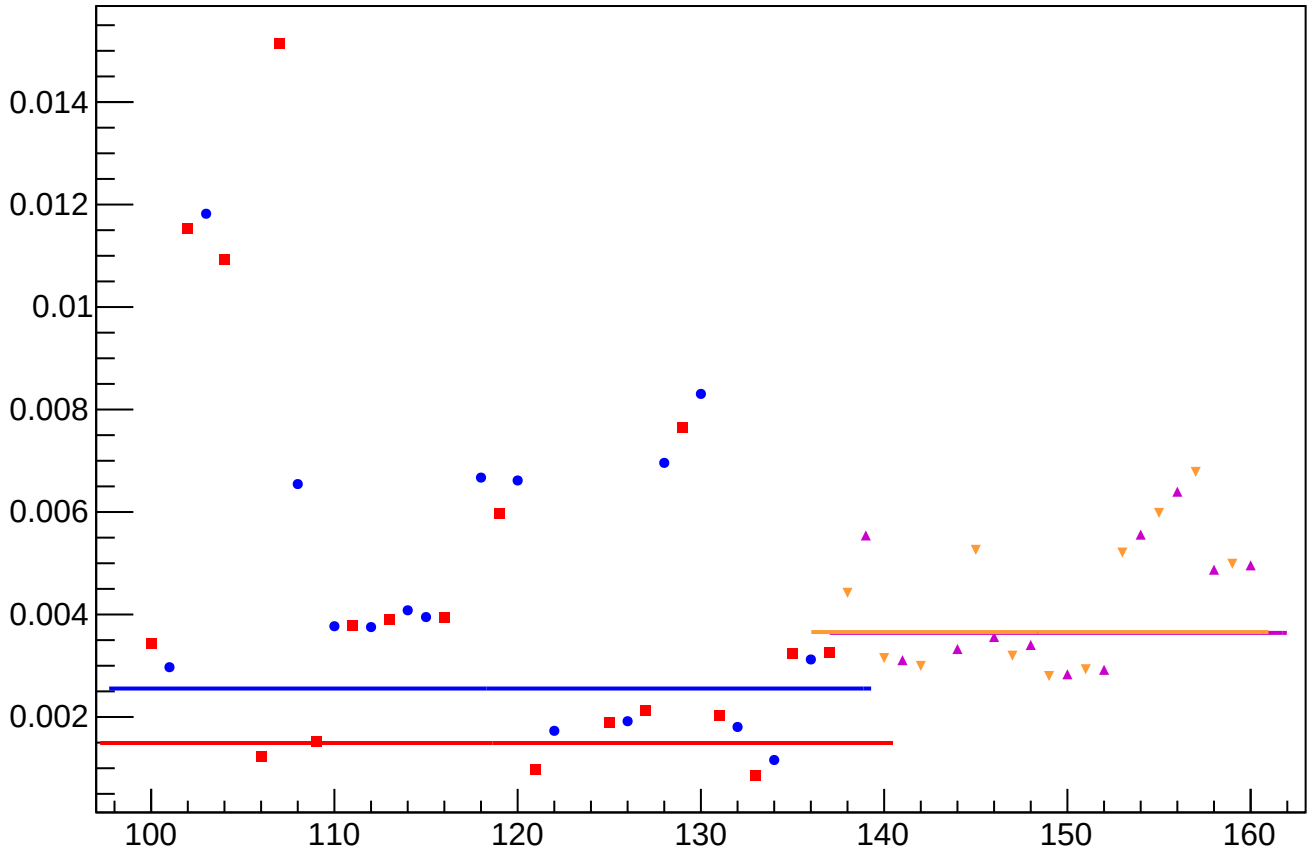
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:5.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 44.9/26

All: 0.000+/-0.000 χ^2/NDF: 70.4/55

- sign 0.000+/-0.000 χ^2/NDF: 25.5/28



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:1427672.4/10

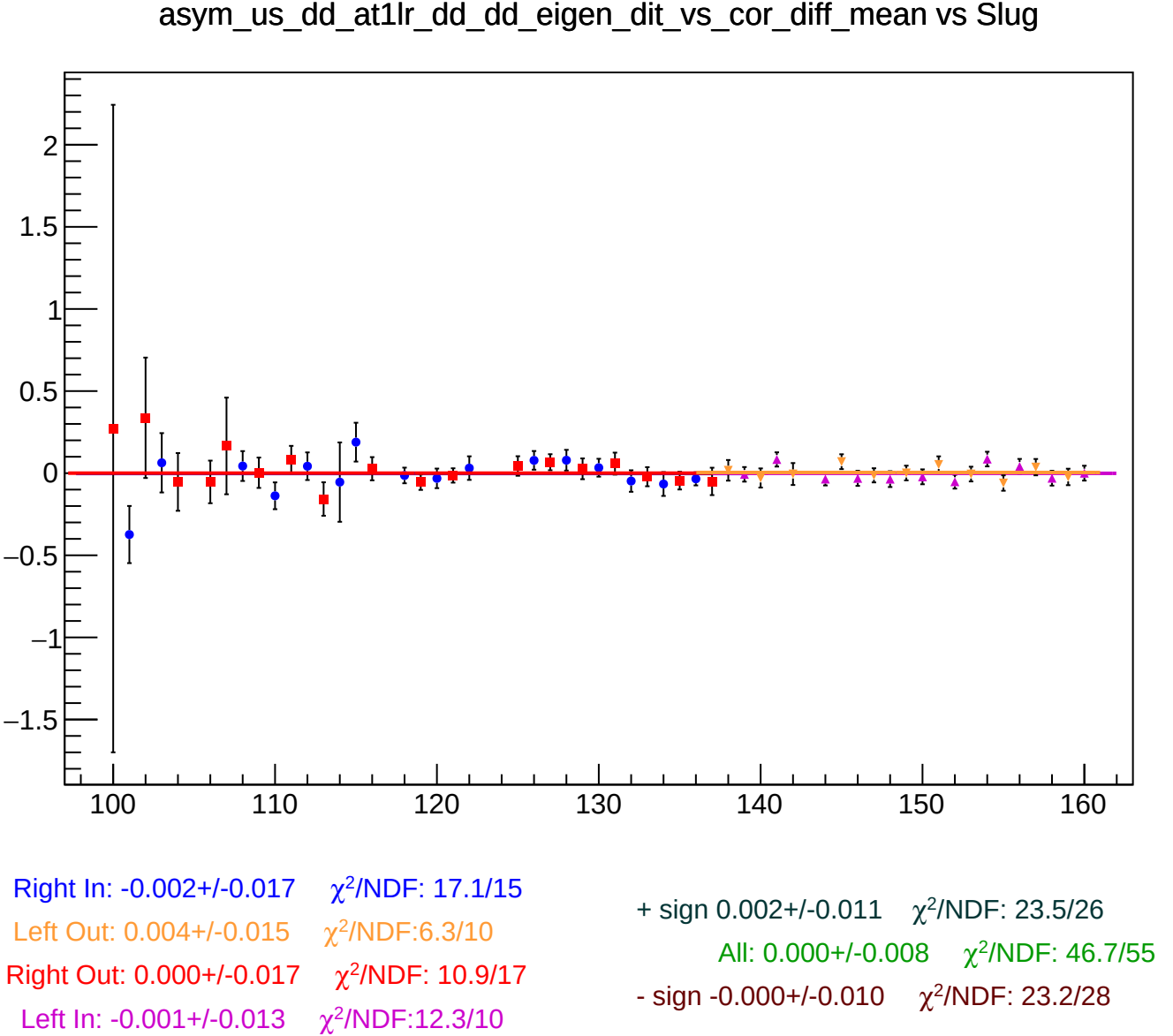
Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

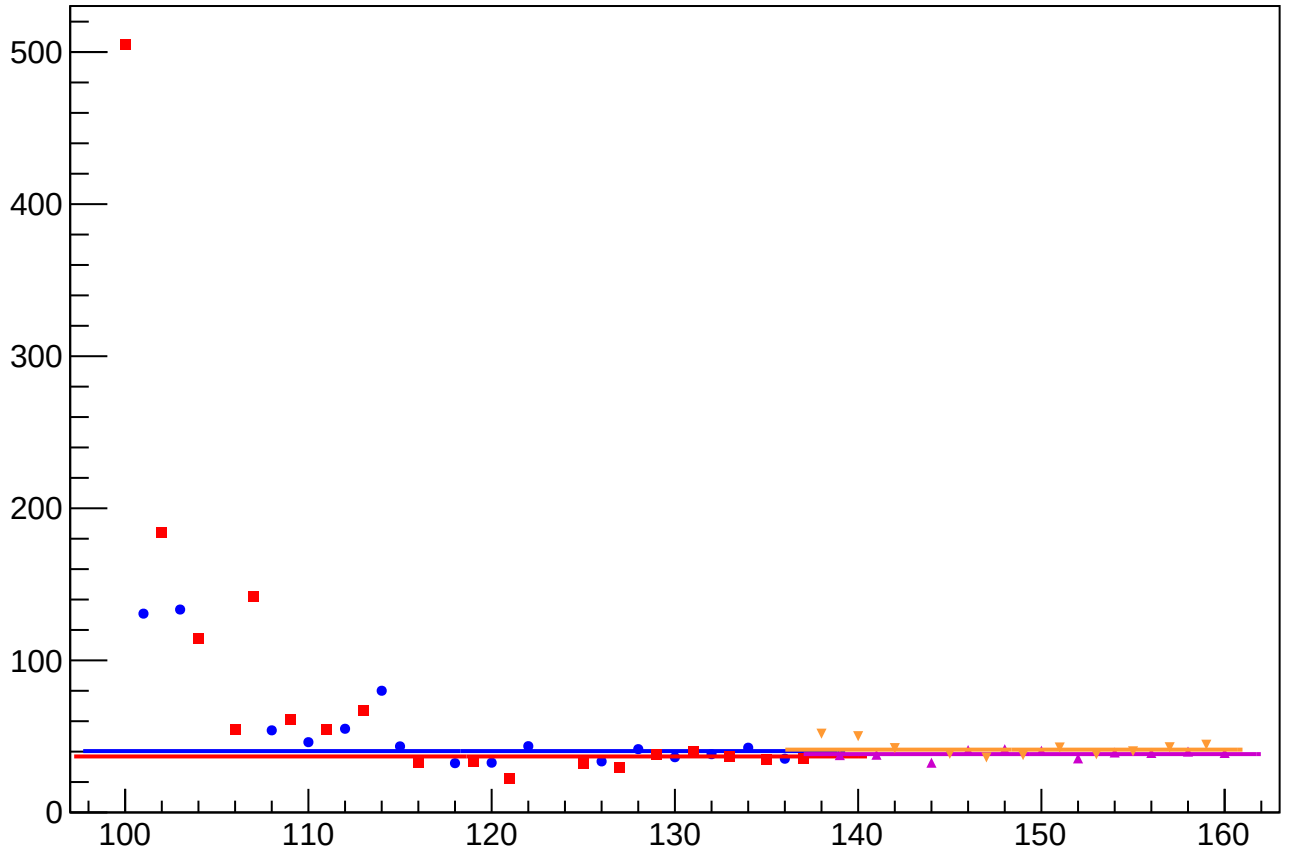
Left In: 0.004+/-0.000 χ^2/NDF:1253027.7/10

+ sign 0.003+/-0.000 χ^2/NDF: 6018925.3/26

All: 0.002+/-0.000 χ^2/NDF: 18855694.7/55

- sign 0.002+/-0.000 χ^2/NDF: 11234312.4/28


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
Right In: -0.002+/-0.017 χ²/NDF: 17.1/15
Left Out: 0.004+/-0.015 χ²/NDF:6.3/10
Right Out: 0.000+/-0.017 χ²/NDF: 10.9/17
Left In: -0.001+/-0.013 χ²/NDF:12.3/10
+ sign 0.002+/-0.011 χ²/NDF: 23.5/26
All: 0.000+/-0.008 χ²/NDF: 46.7/55
- sign -0.000+/-0.010 χ²/NDF: 23.2/28



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.305+/-0.011 χ^2/NDF:173053.7/10

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

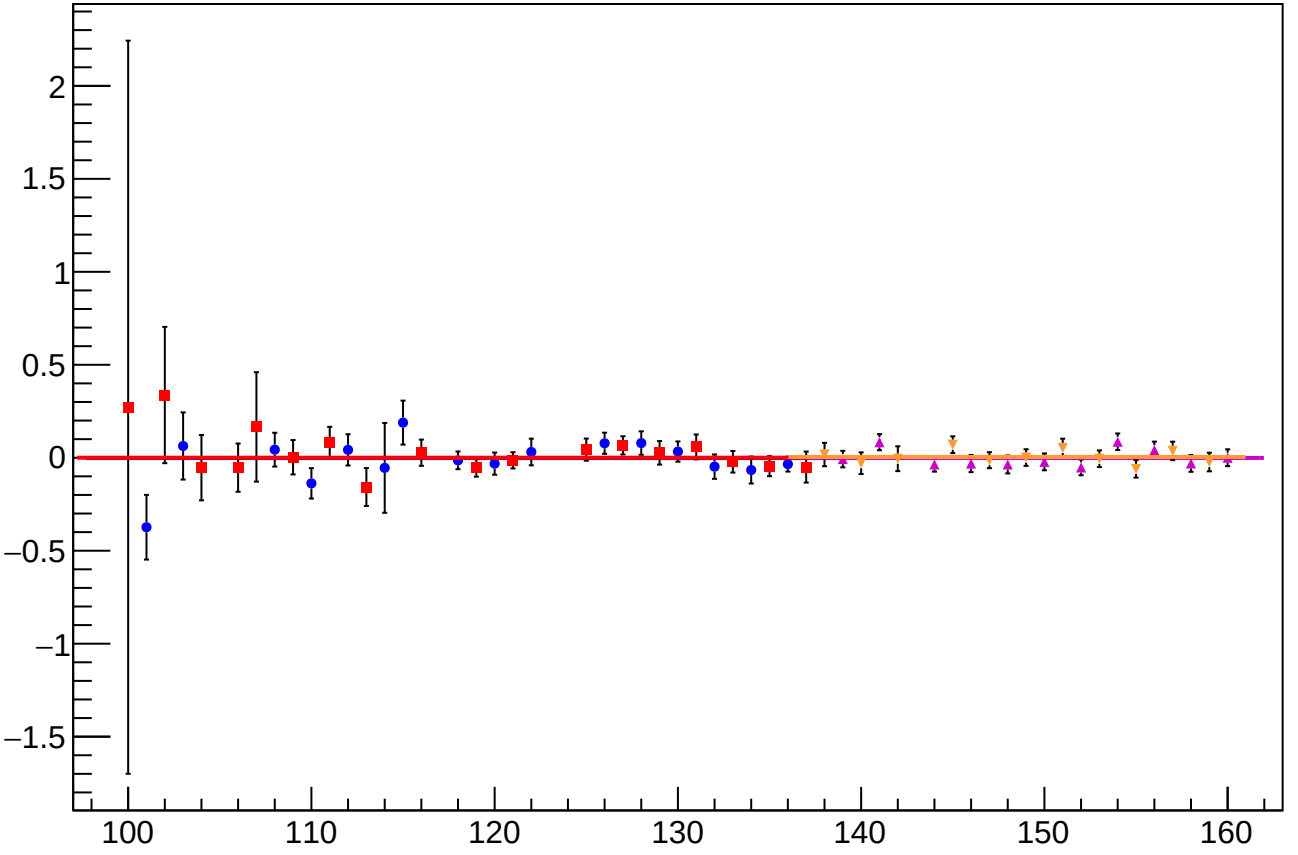
Left In: 38.364+/-0.009 χ^2/NDF:76928.4/10

\+ sign 40.891+/-0.008 χ^2/NDF: 1586610.4/26

All: 39.206+/-0.005 χ^2/NDF: 3594255.7/55

\- sign 37.761+/-0.007 χ^2/NDF: 1924443.6/28

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.004+/-0.015 χ^2/NDF:6.3/10

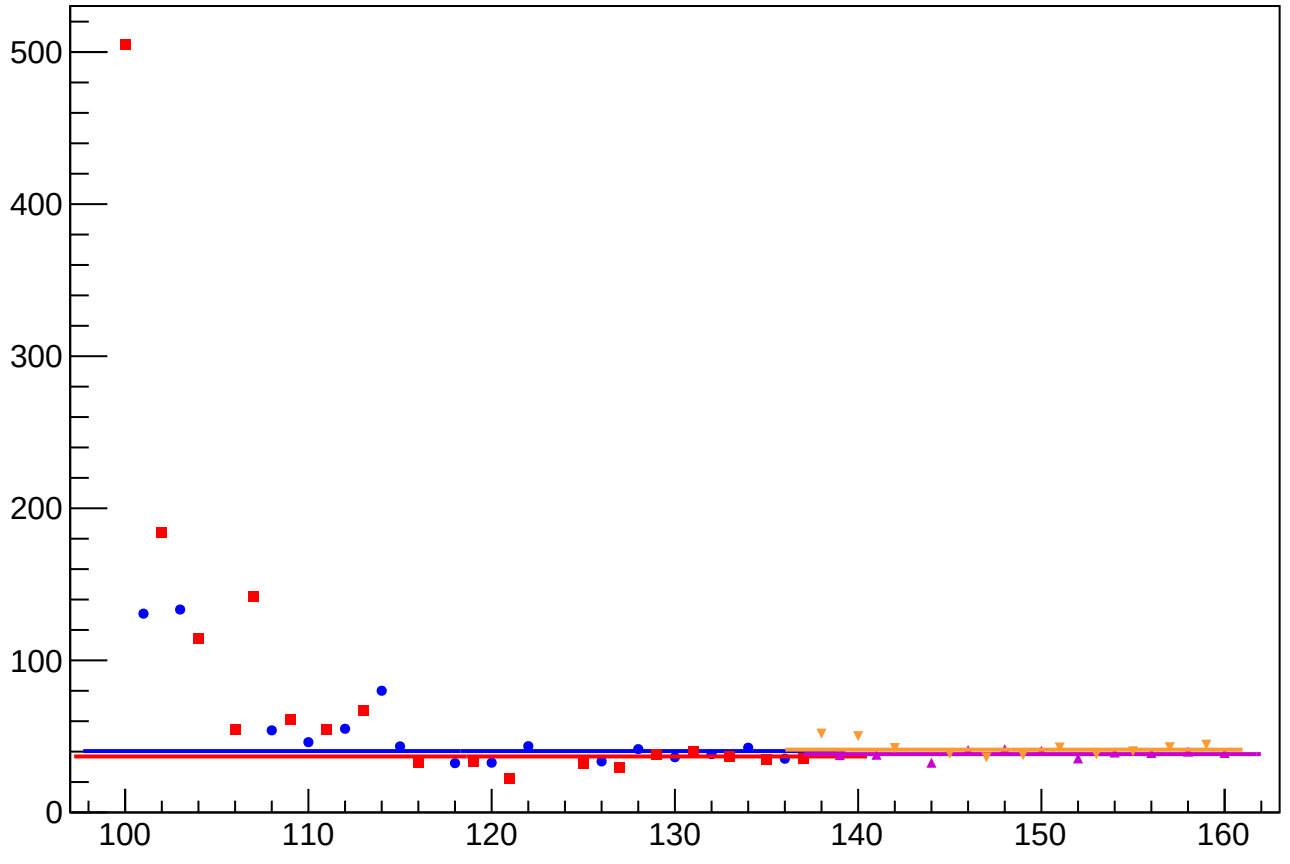
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.013 χ^2/NDF:12.3/10

+ sign 0.002+/-0.011 χ^2/NDF: 23.5/26

All: 0.000+/-0.008 χ^2/NDF: 46.7/55

- 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: 41.305+/-0.011 χ^2/NDF:173053.7/10

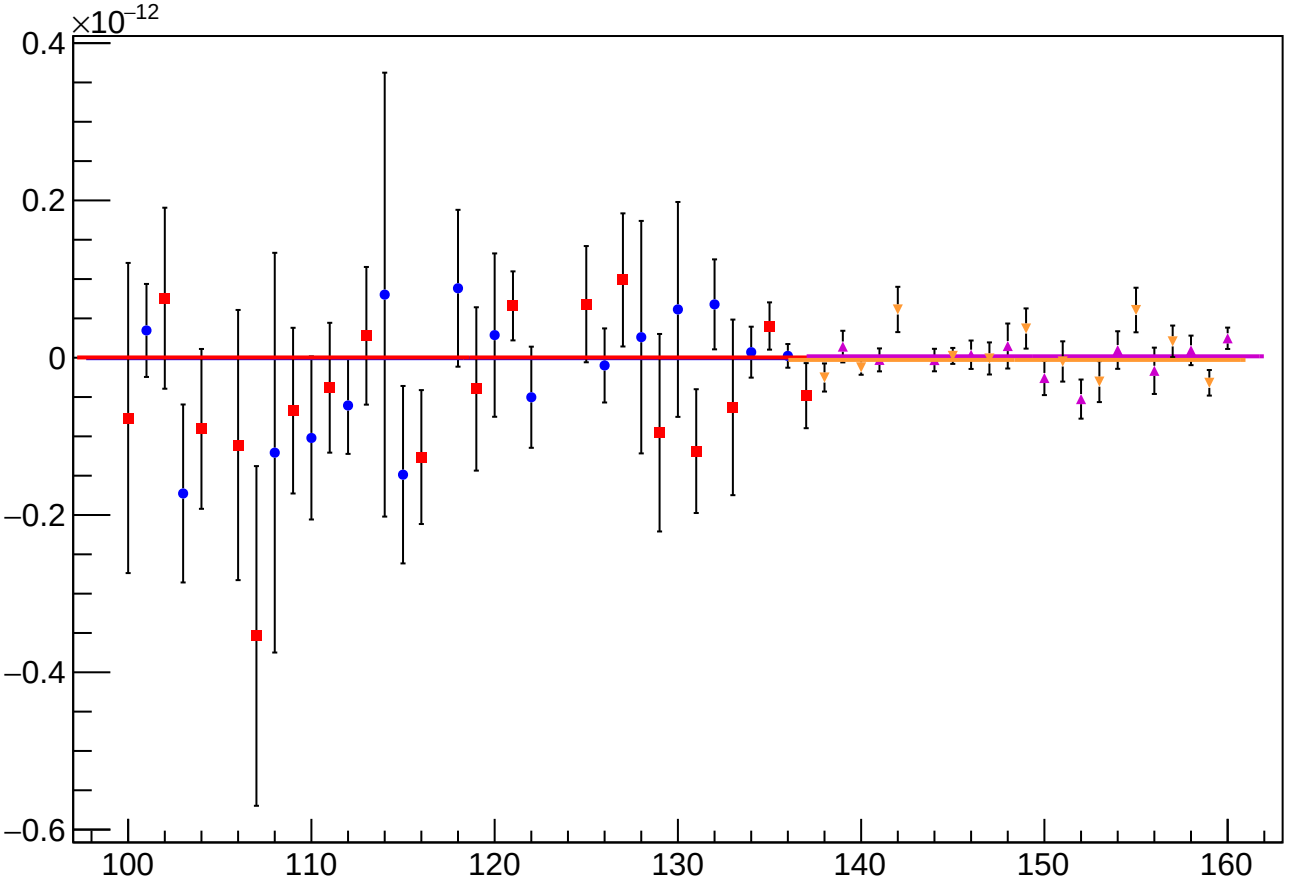
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.364+/-0.009 χ^2/NDF:76928.4/10

\+ sign 40.891+/-0.008 χ^2/NDF: 1586610.4/26

All: 39.206+/-0.005 χ^2/NDF: 3594255.7/55

\- 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:20.9/10

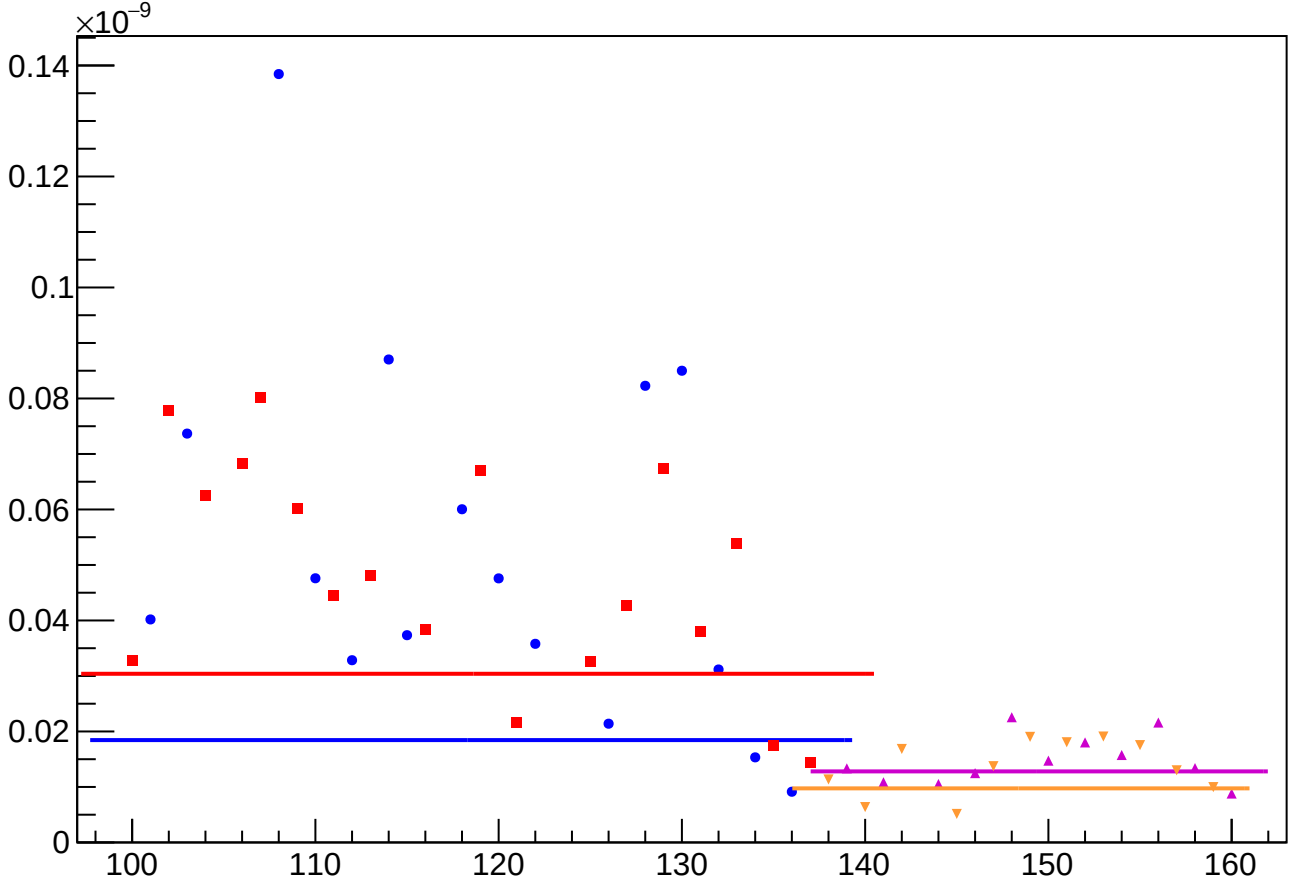
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:10.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 30.9/26

All: -0.000+/-0.000 χ^2/NDF: 60.3/55

- 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:1816153.1/10

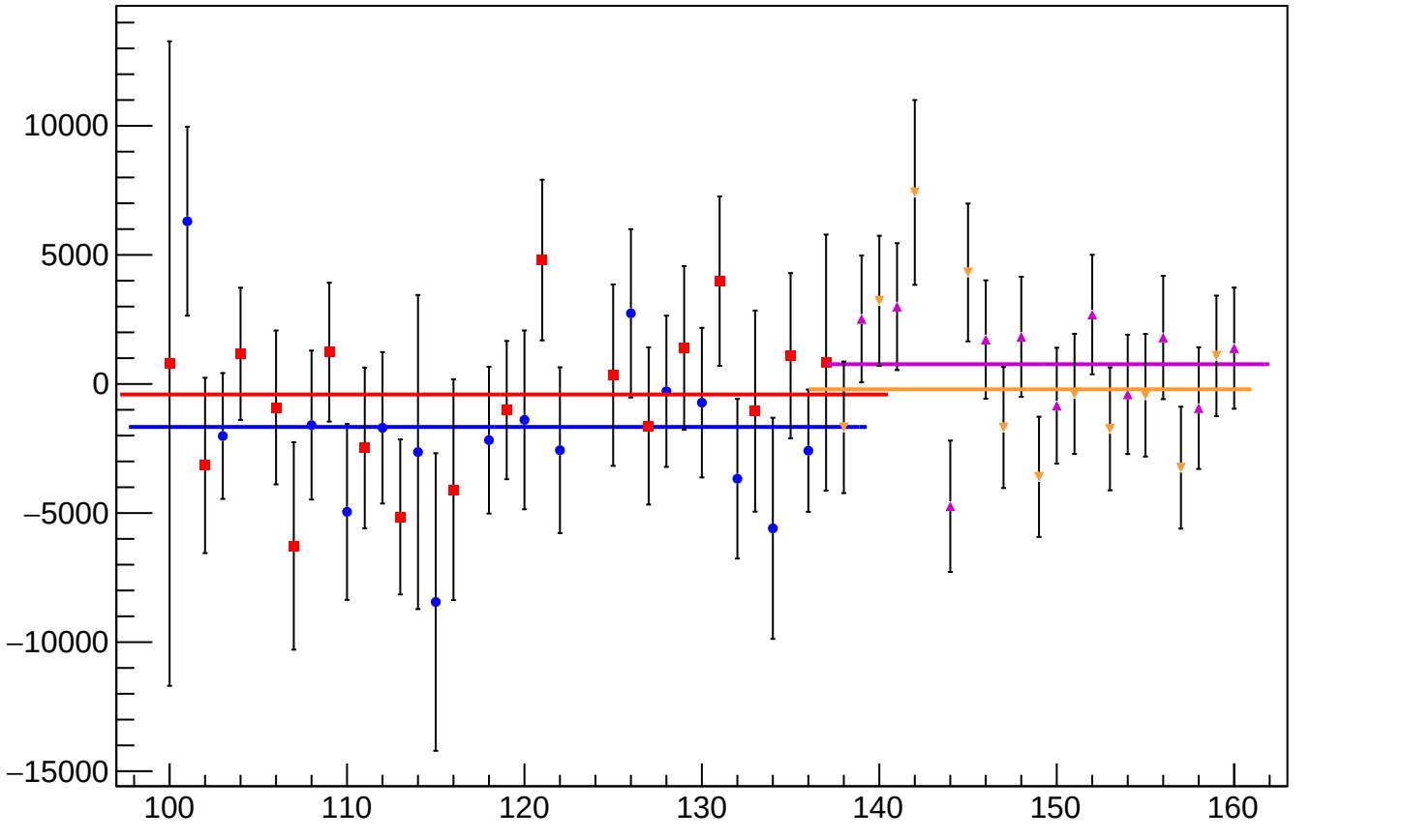
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:809238.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 6792110.0/26

All: 0.000+/-0.000 χ^2/NDF: 12532033.2/55

- 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: -206.690+/-746.032 χ^2/NDF:14.5/10

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

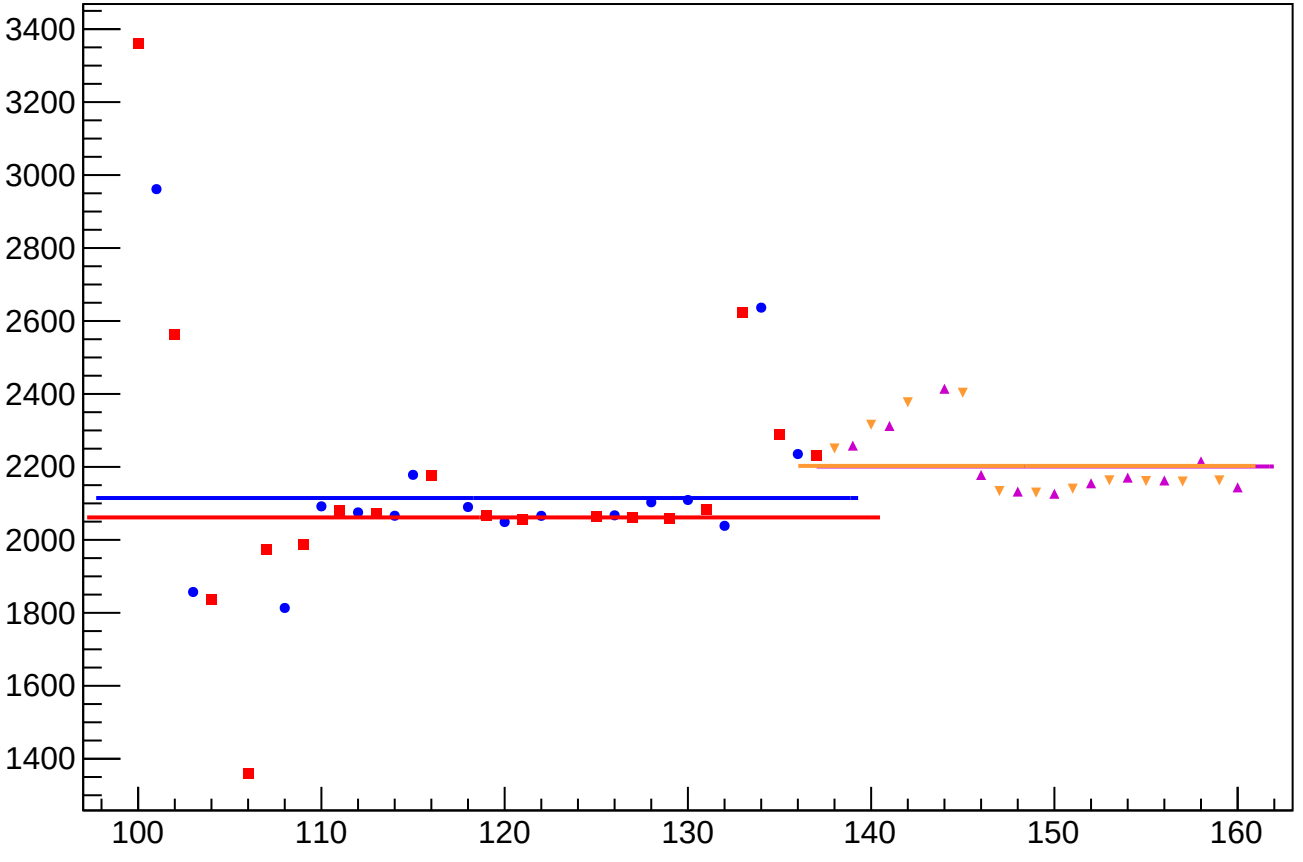
Left In: 765.947+/-712.448 χ^2/NDF:8.6/10

+ sign -891.822+/-543.101 χ^2/NDF: 27.1/26

All: -311.875+/-377.530 χ^2/NDF: 51.9/55

- 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: 2202.771+/-0.528 χ^2/NDF:28281.9/10

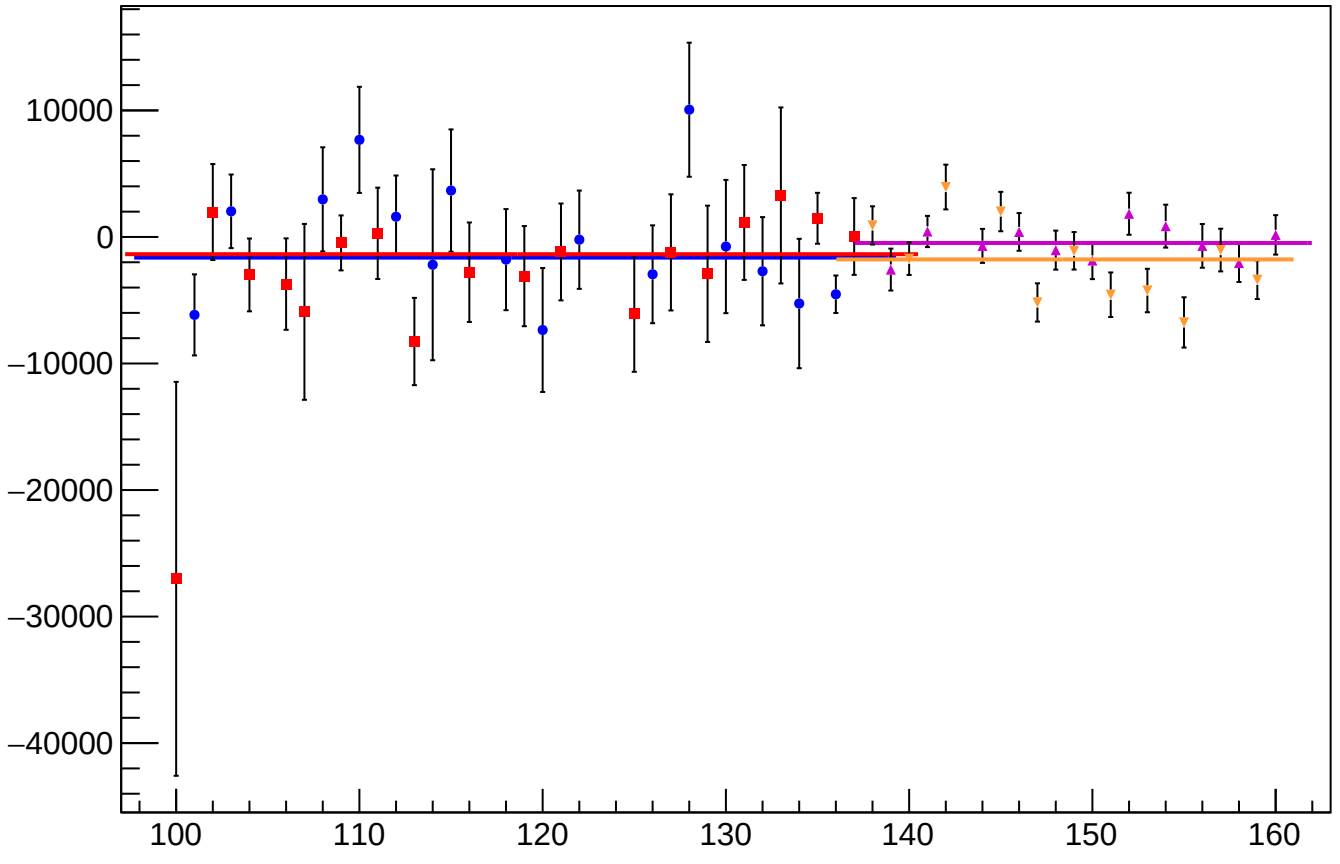
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2201.202+/-0.504 χ^2/NDF:26279.9/10

+ sign 2161.401+/-0.384 χ^2/NDF: 231287.5/26

All: 2149.016+/-0.267 χ^2/NDF: 543852.3/55

- 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: -1774.597+/-478.745 χ^2/NDF:36.9/10

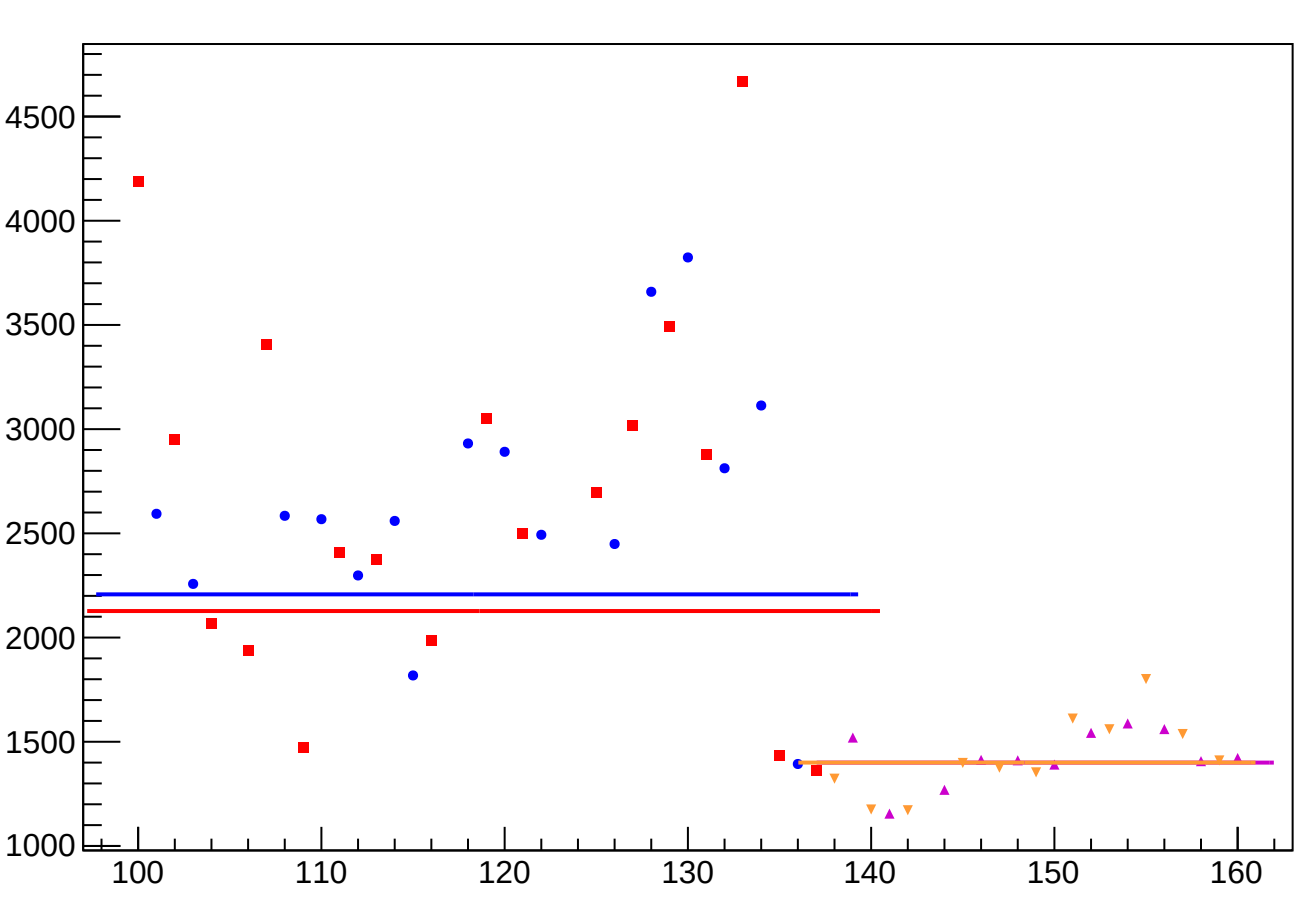
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -475.914+/-455.867 χ^2/NDF:7.4/10

+ sign -1740.646+/-418.576 χ^2/NDF: 59.8/26

All: -1185.810+/-289.456 χ^2/NDF: 84.9/55

- sign -677.320+/-400.712 χ^2/NDF: 21.7/28



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1400.140+/-0.339 χ^2/NDF:243209.7/10

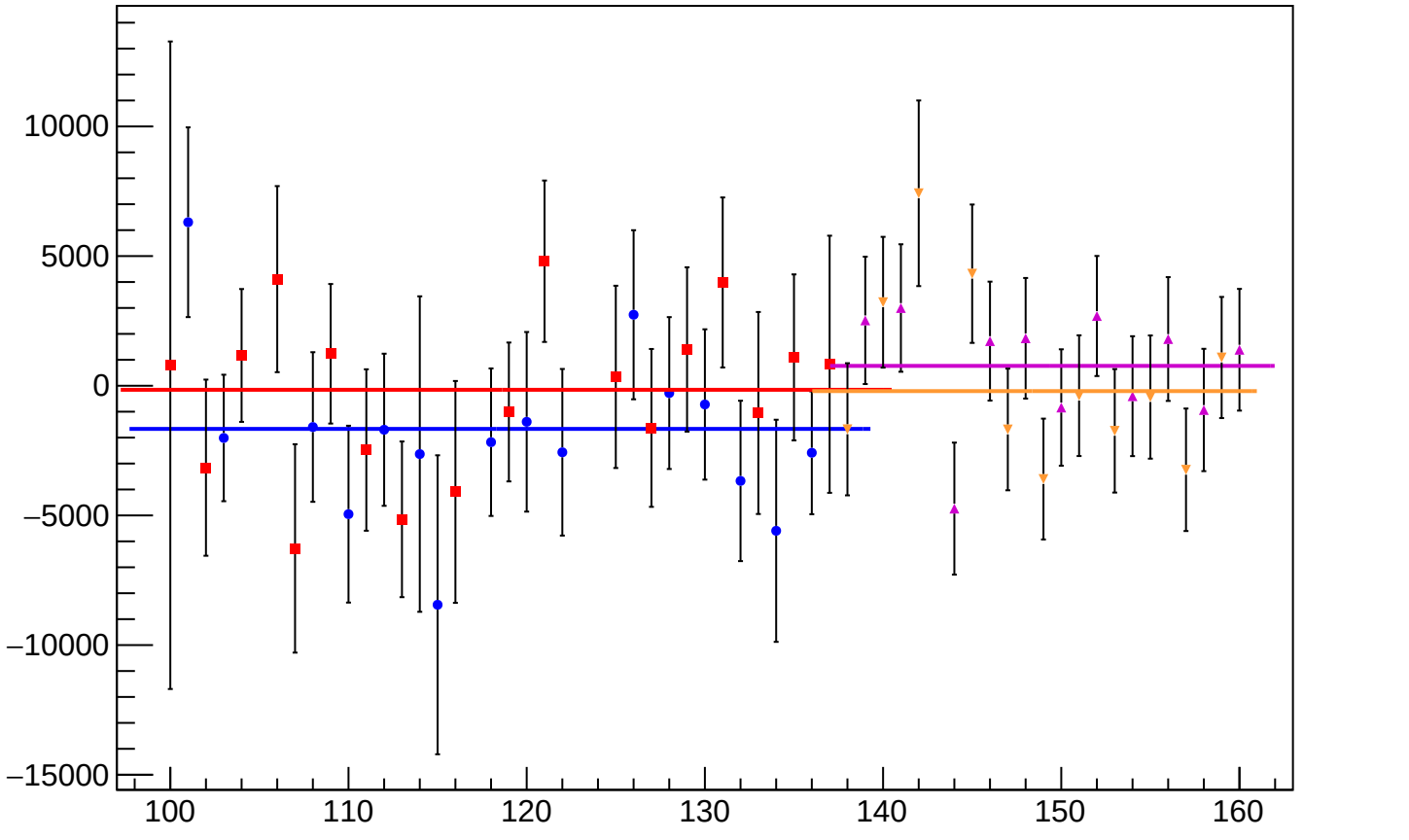
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1400.001+/-0.322 χ^2/NDF:165700.2/10

+ sign 1590.269+/-0.296 χ^2/NDF: 2831549.5/26

All: 1577.255+/-0.205 χ^2/NDF: 5616084.2/55

- 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: -206.418+/-746.032 χ^2/NDF:14.5/10

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

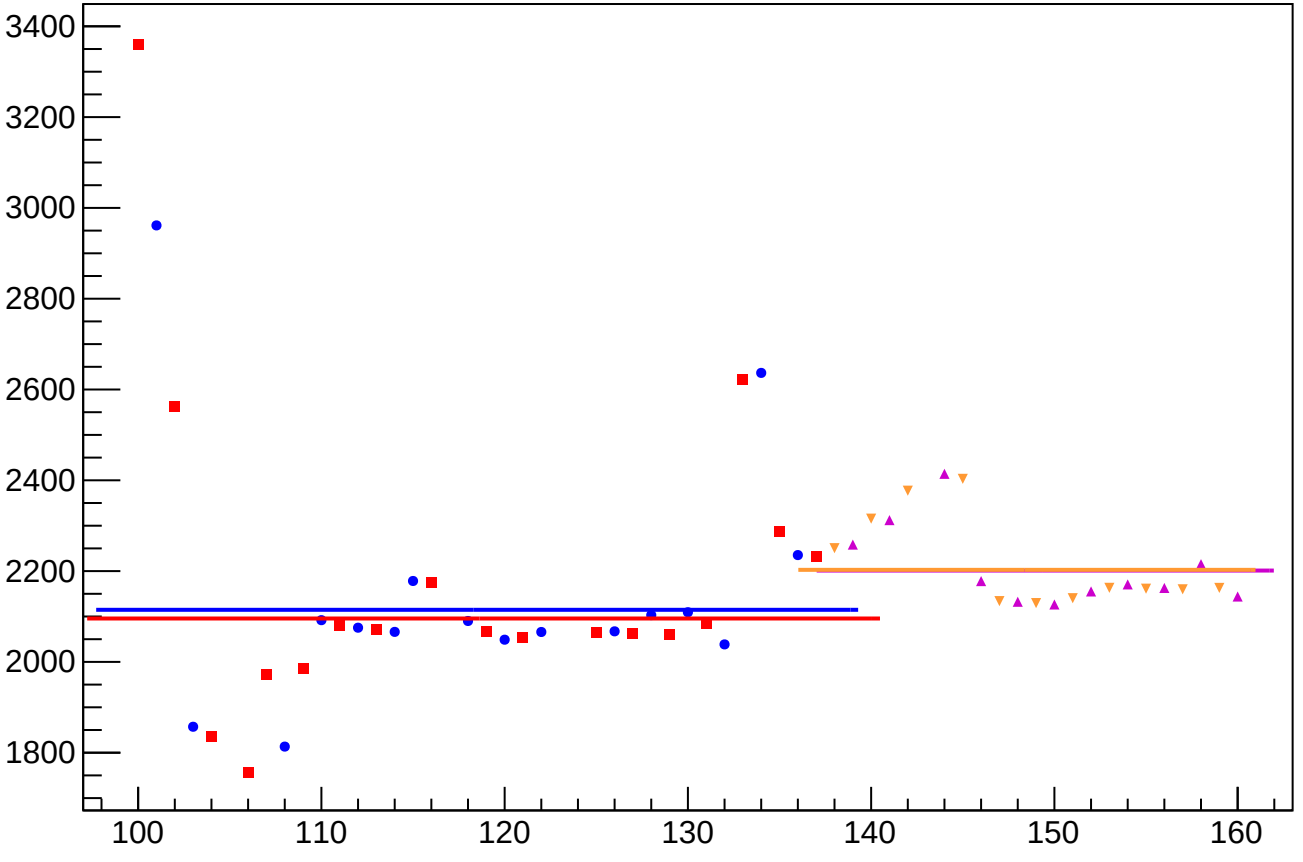
Left In: 765.883+/-712.448 χ^2/NDF:8.6/10

+ sign -891.642+/-543.101 χ^2/NDF: 27.1/26

All: -253.041+/-378.472 χ^2/NDF: 53.4/55

- 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: 2202.771+/-0.528 χ^2/NDF:28281.9/10

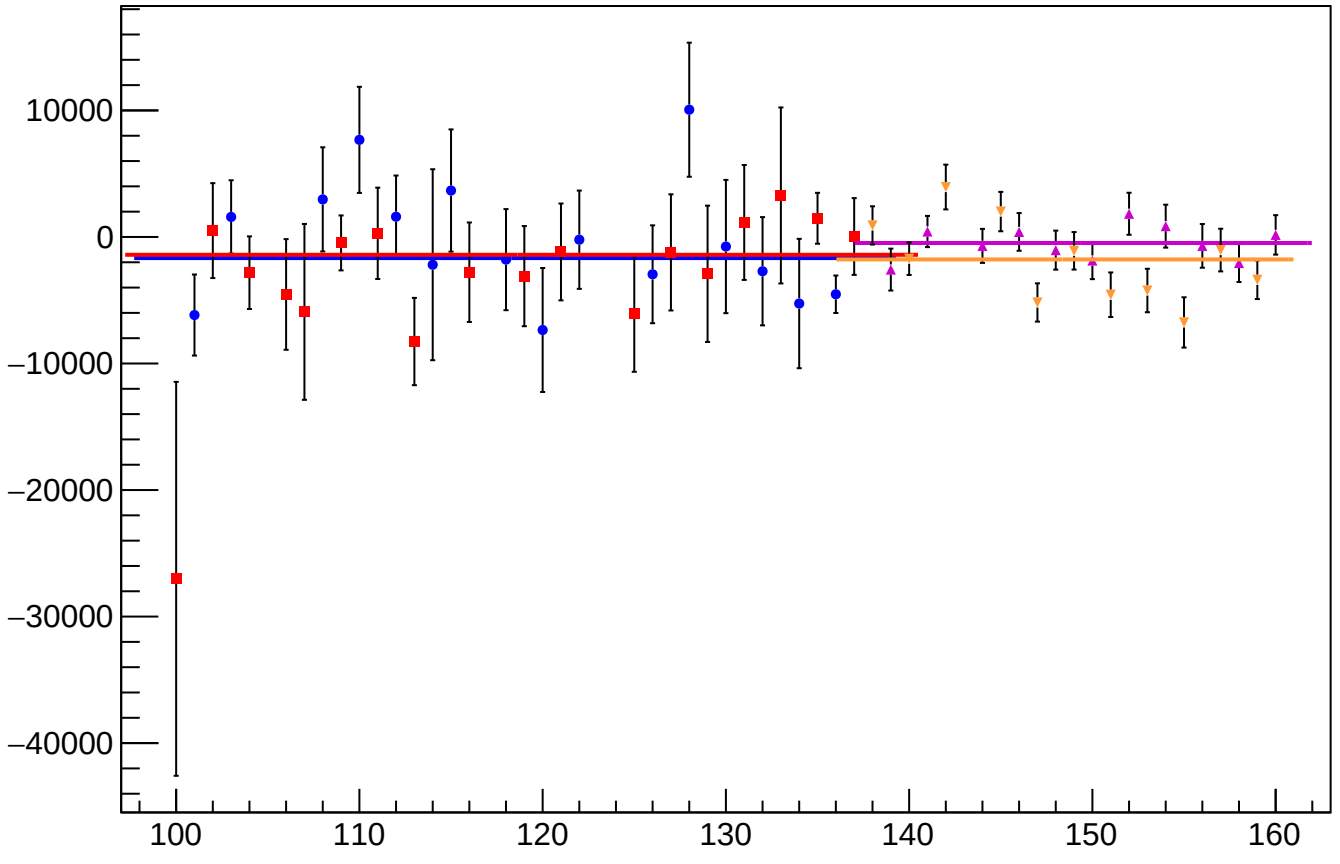
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2201.202+/-0.504 χ^2/NDF:26279.9/10

+ sign 2161.400+/-0.384 χ^2/NDF: 231287.8/26

All: 2157.355+/-0.268 χ^2/NDF: 426978.2/55

- 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: -1774.507+/-478.748 χ^2/NDF:36.9/10

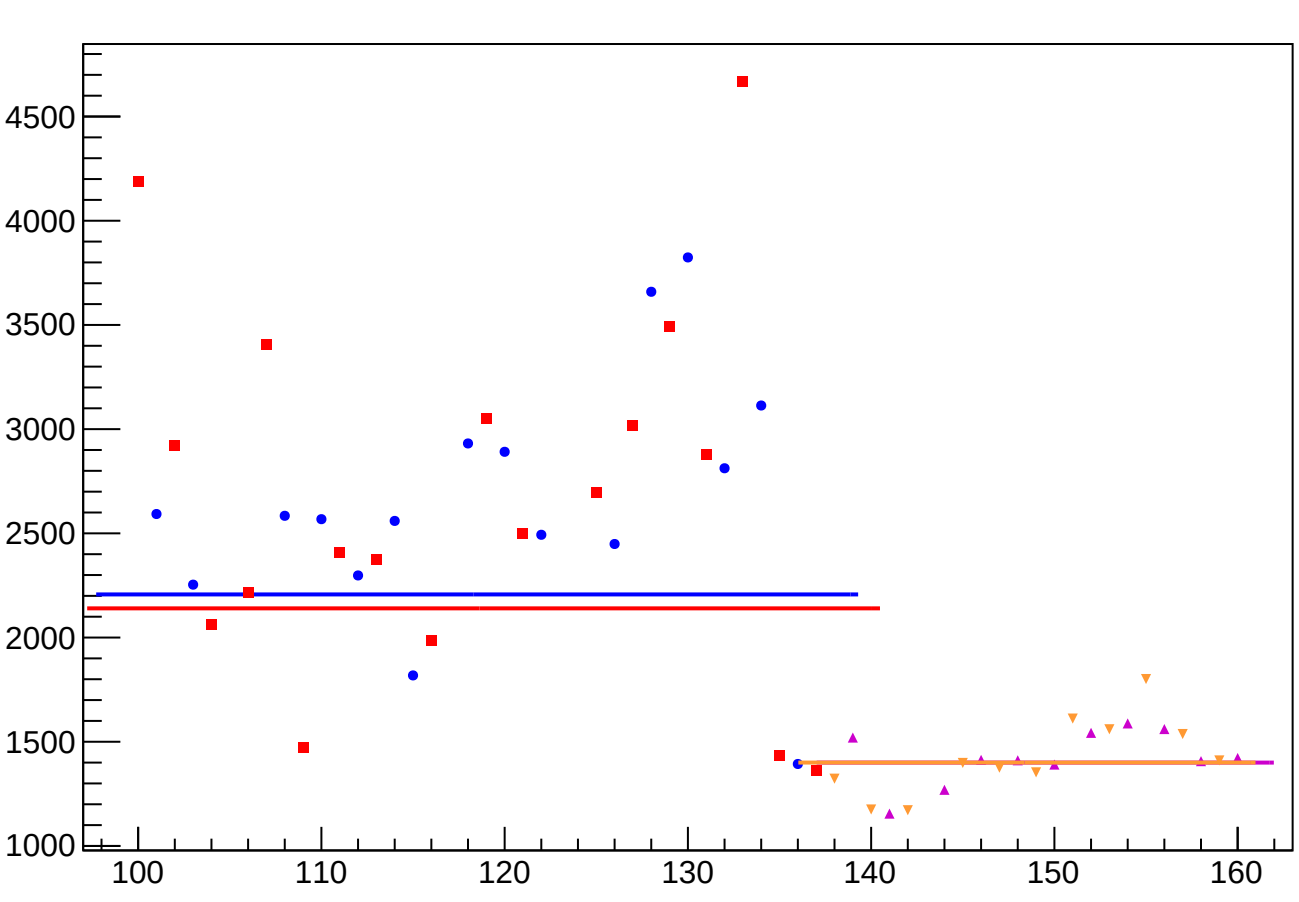
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -475.811+/-455.867 χ^2/NDF:7.4/10

+ sign -1749.518+/-418.545 χ^2/NDF: 59.4/26

All: -1195.128+/-289.714 χ^2/NDF: 84.1/55

- 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: 1400.153+/-0.339 χ^2/NDF:243153.4/10

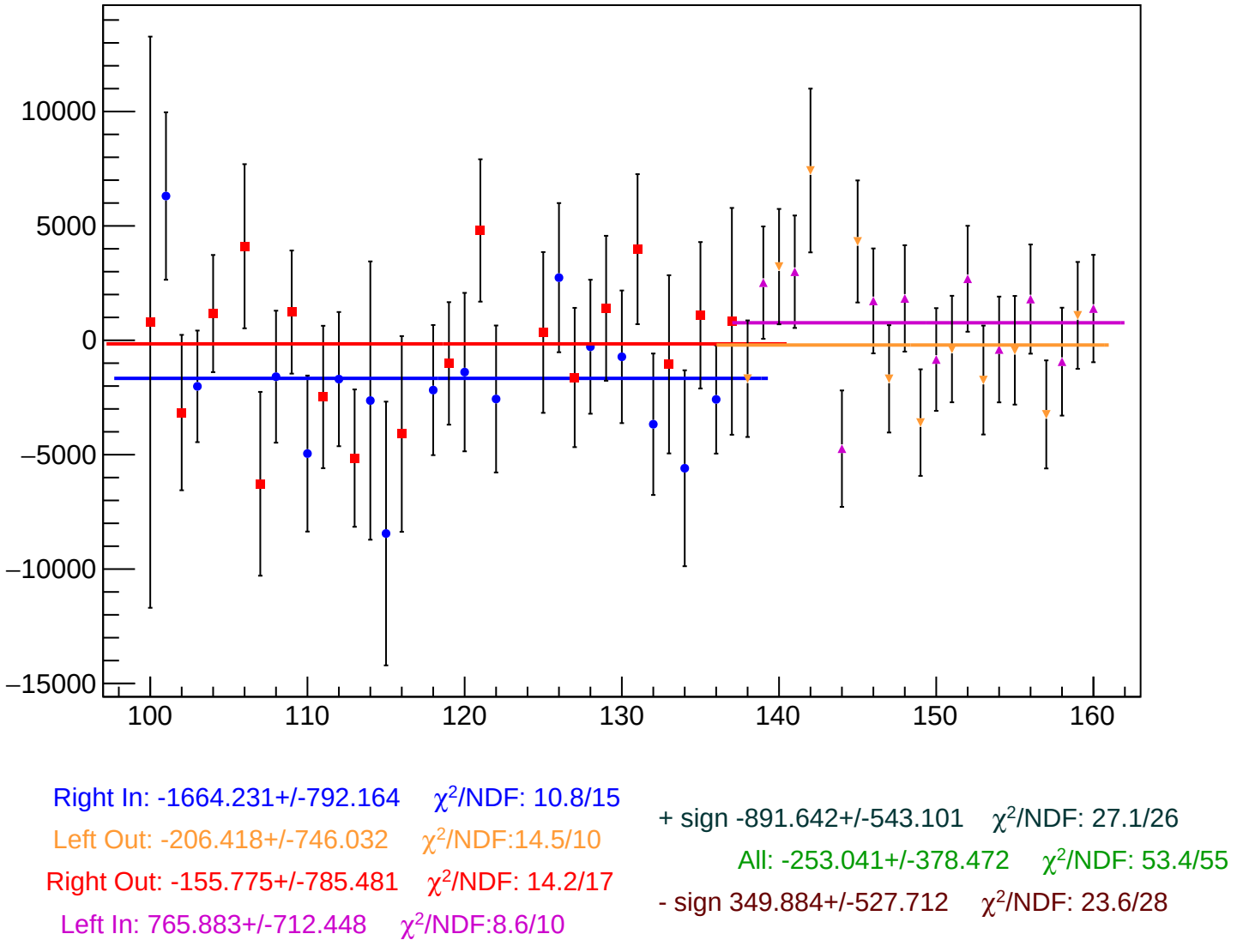
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1399.999+/-0.322 χ^2/NDF:165738.8/10

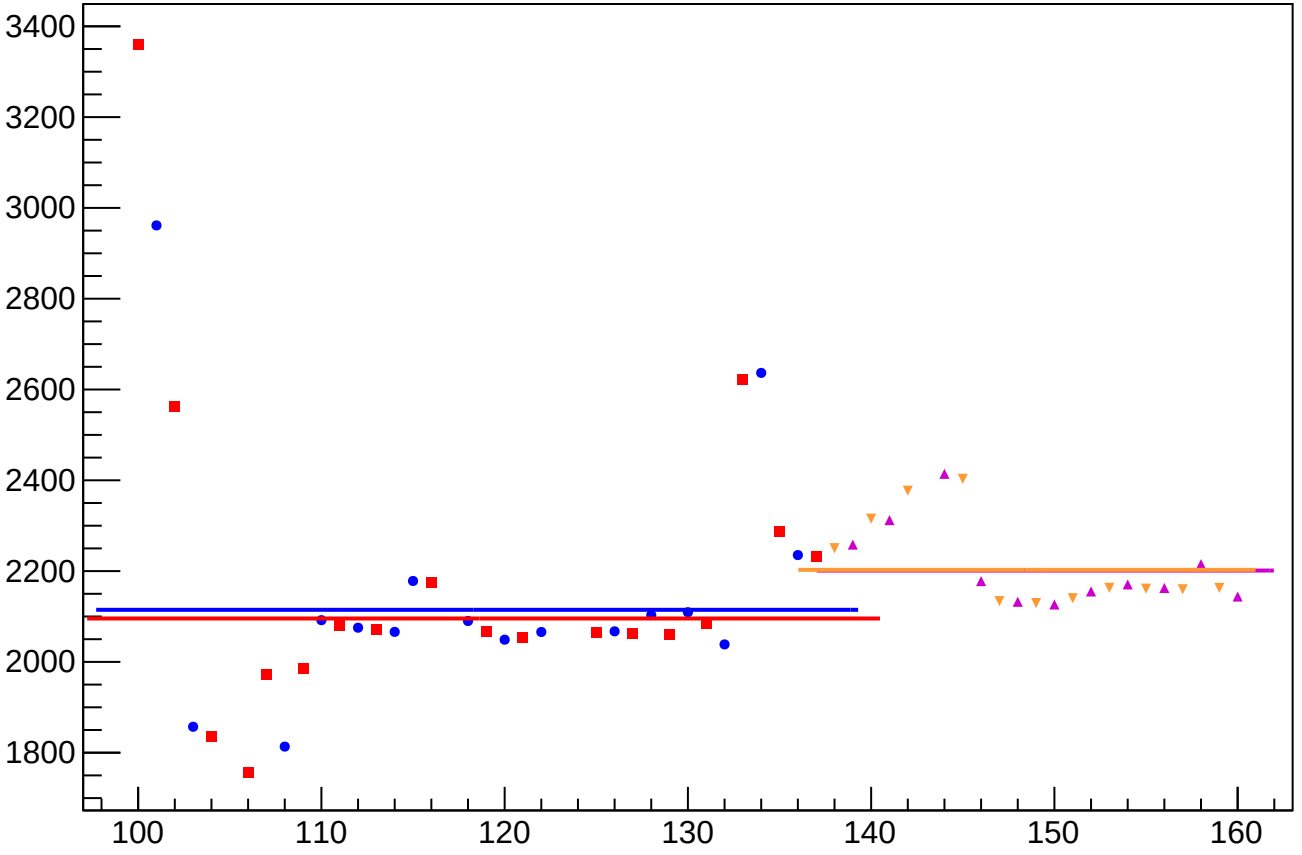
+ sign 1590.300+/-0.296 χ^2/NDF: 2830782.3/26

All: 1577.749+/-0.205 χ^2/NDF: 5632098.7/55

- sign 1566.204+/-0.284 χ^2/NDF: 2797863.8/28


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: -206.418+/-746.032 χ²/NDF:14.5/10
Right Out: -155.775+/-785.481 χ²/NDF: 14.2/17
Left In: 765.883+/-712.448 χ²/NDF:8.6/10
+ sign -891.642+/-543.101 χ²/NDF: 27.1/26
All: -253.041+/-378.472 χ²/NDF: 53.4/55
- sign 349.884+/-527.712 χ²/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: 2202.771+/-0.528 χ^2/NDF:28281.9/10

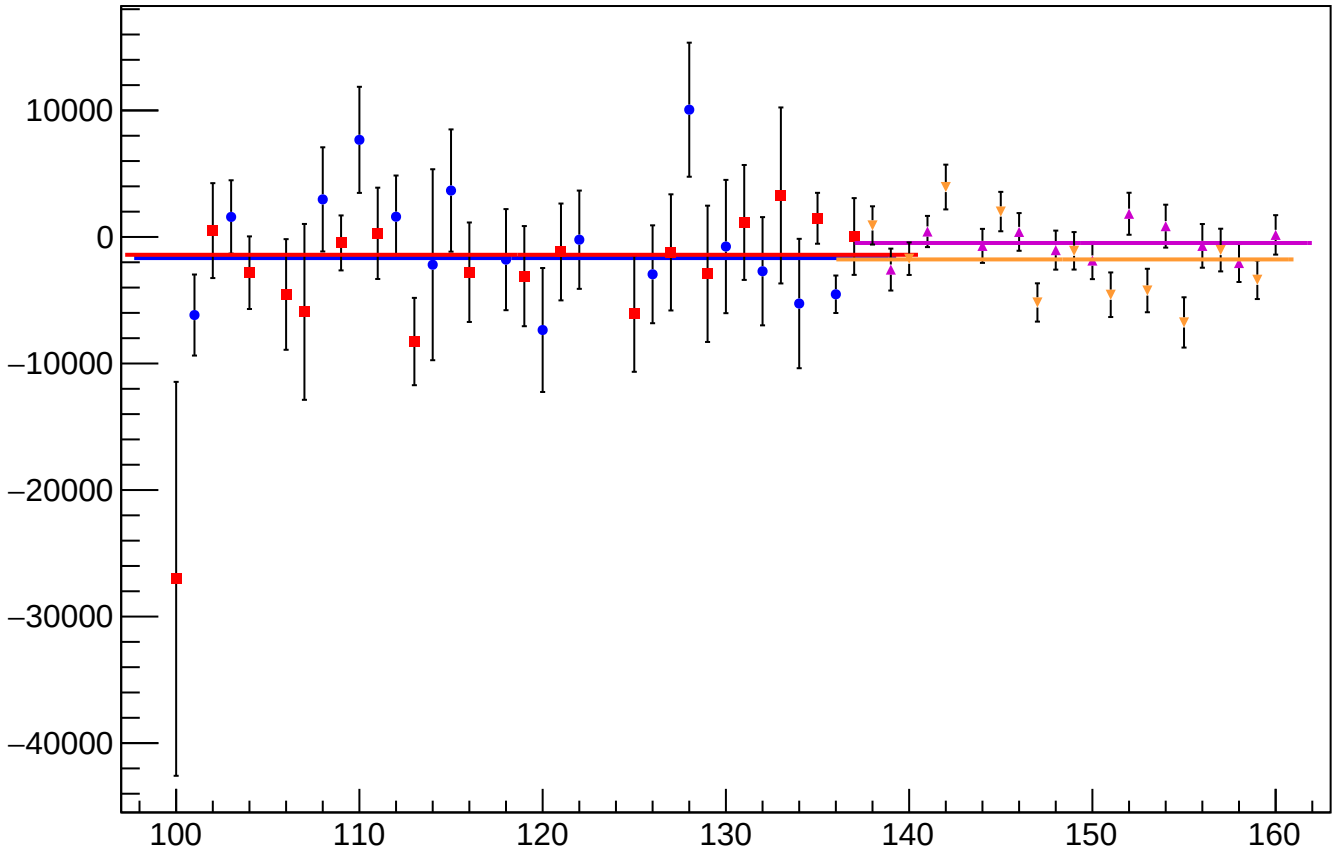
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2201.202+/-0.504 χ^2/NDF:26279.9/10

+ sign 2161.400+/-0.384 χ^2/NDF: 231287.8/26

All: 2157.355+/-0.268 χ^2/NDF: 426978.2/55

- 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: -1774.507+/-478.748 χ^2/NDF:36.9/10

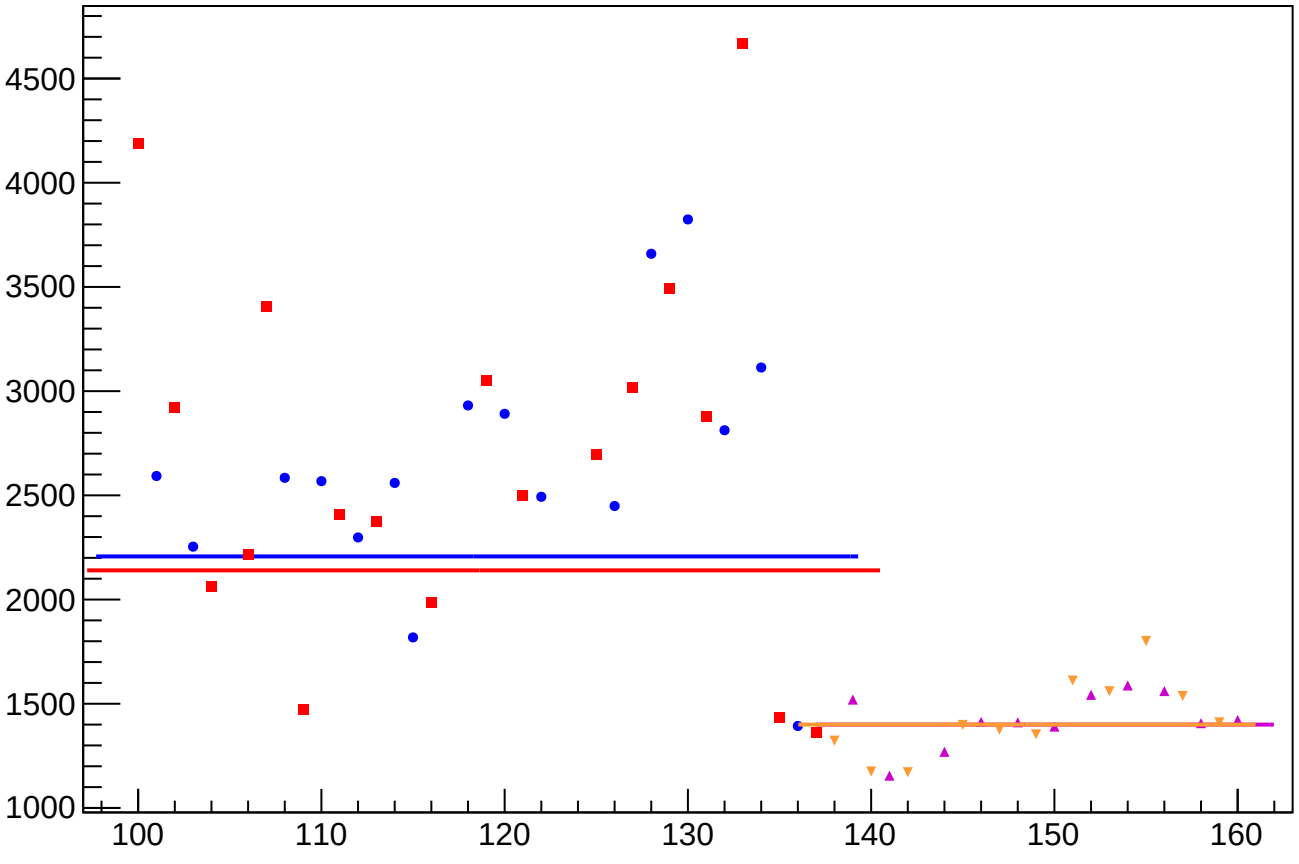
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -475.811+/-455.867 χ^2/NDF:7.4/10

+ sign -1749.518+/-418.545 χ^2/NDF: 59.4/26

All: -1195.128+/-289.714 χ^2/NDF: 84.1/55

- 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: 1400.153+/-0.339 χ^2/NDF:243153.4/10

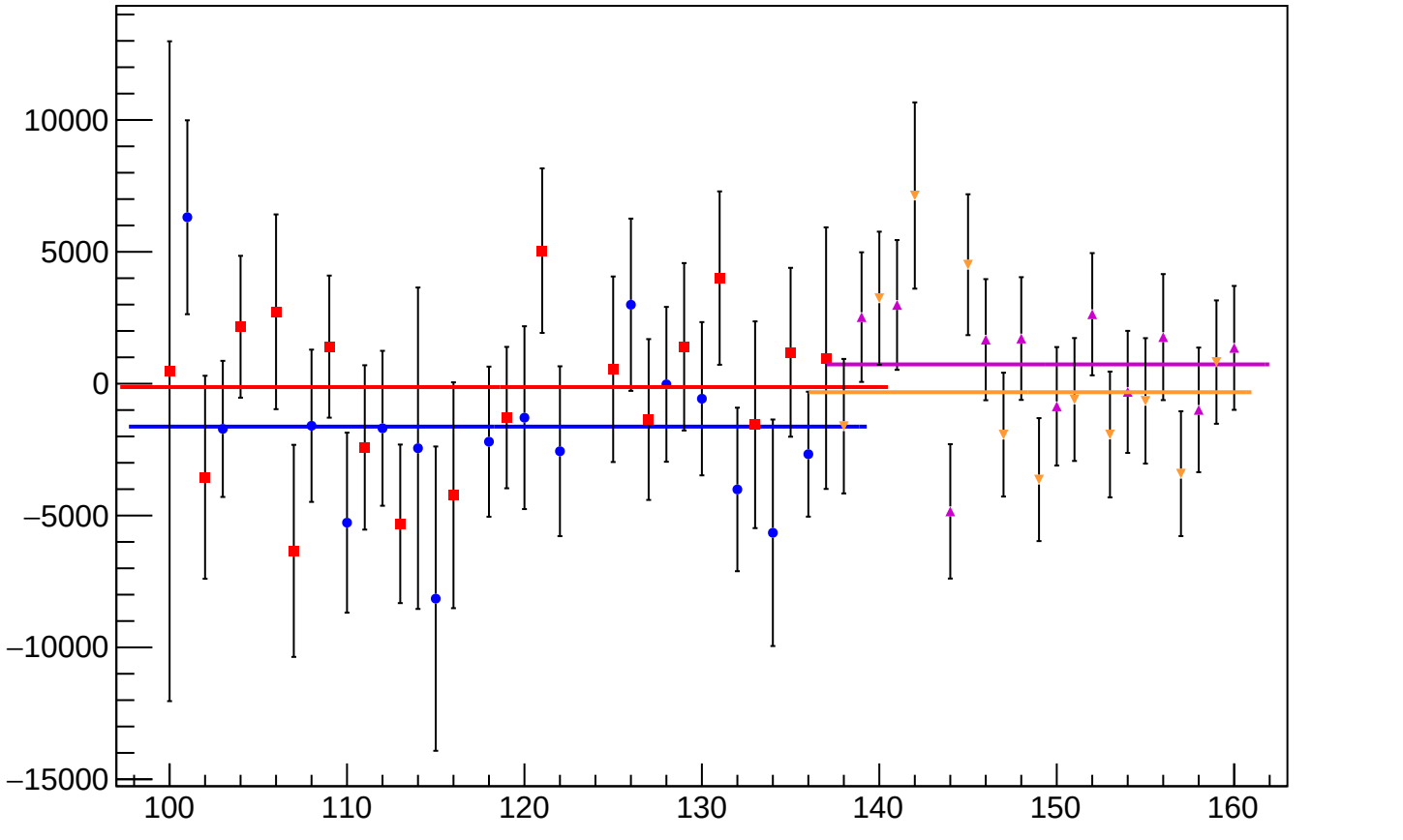
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1399.999+/-0.322 χ^2/NDF:165738.8/10

+ sign 1590.300+/-0.296 χ^2/NDF: 2830782.3/26

All: 1577.749+/-0.205 χ^2/NDF: 5632098.7/55

- 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: -322.253+/-746.455 χ^2/NDF:14.9/10

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

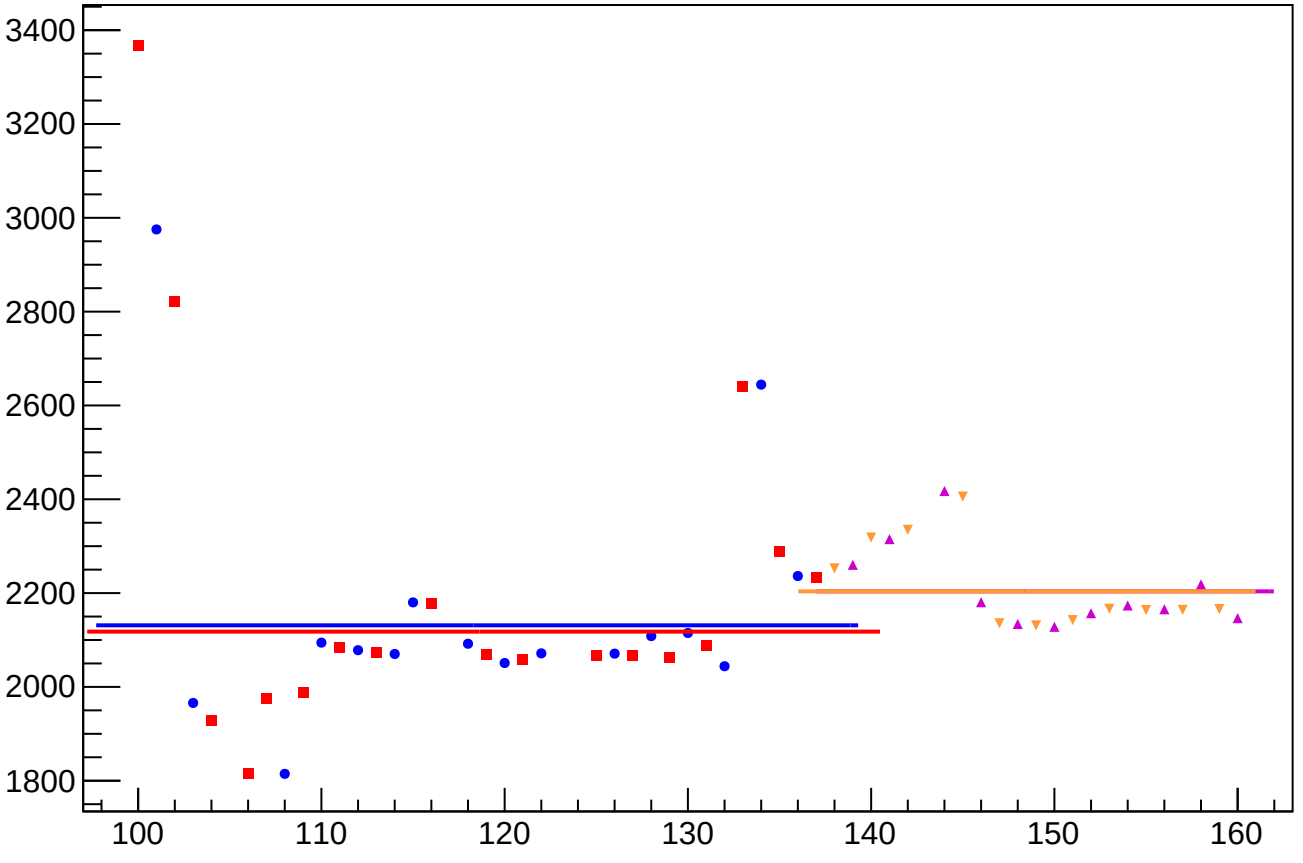
Left In: 731.532+/-713.240 χ^2/NDF:8.7/10

+ sign -931.453+/-545.125 χ^2/NDF: 27.7/26

All: -274.796+/-380.430 χ^2/NDF: 54.4/55

- 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: 2203.648+/-0.528 χ^2/NDF:26195.8/10

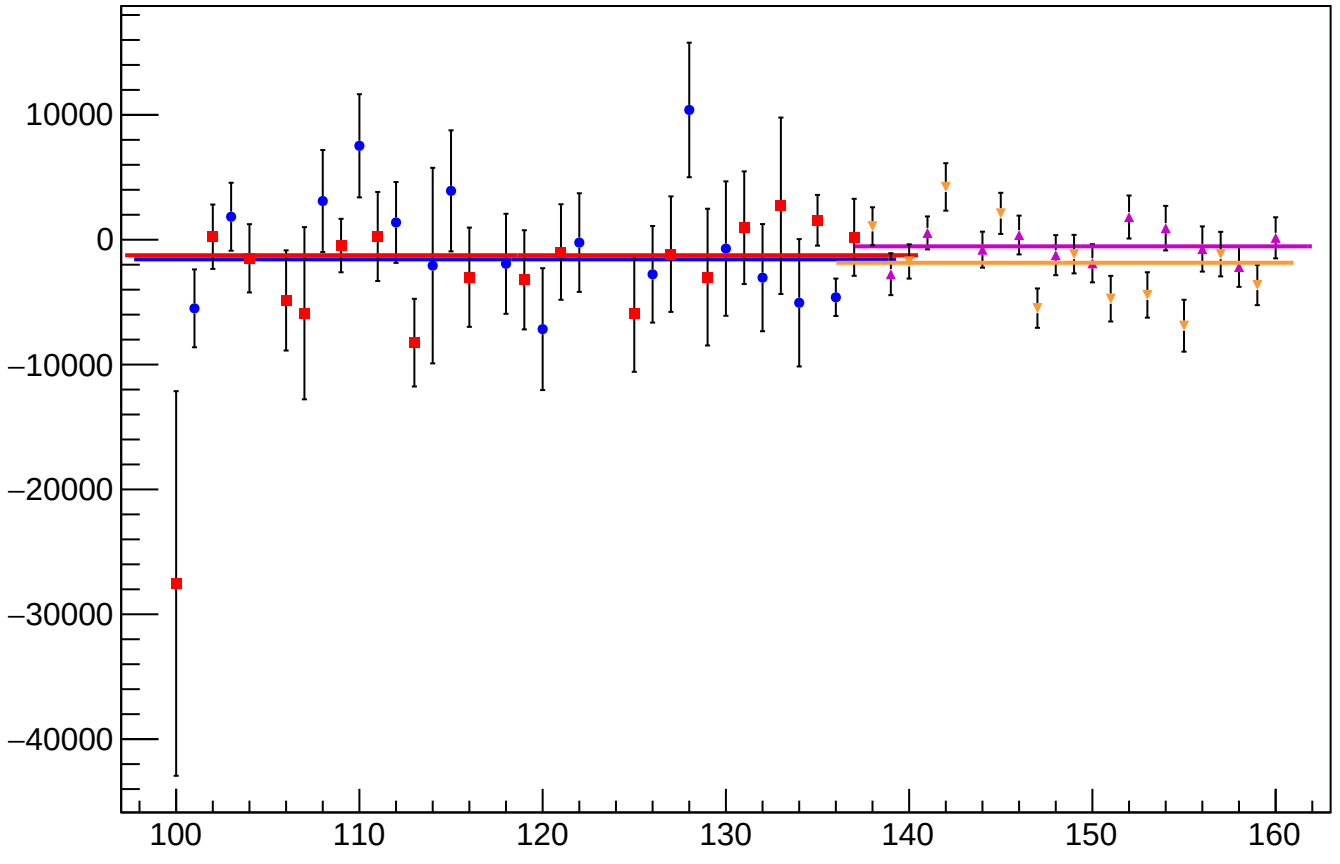
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2203.634+/-0.504 χ^2/NDF:26412.9/10

+ sign 2169.883+/-0.385 χ^2/NDF: 210907.5/26

All: 2167.601+/-0.269 χ^2/NDF: 413892.3/55

- 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: -1844.740+/-502.483 χ^2/NDF:36.9/10

Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

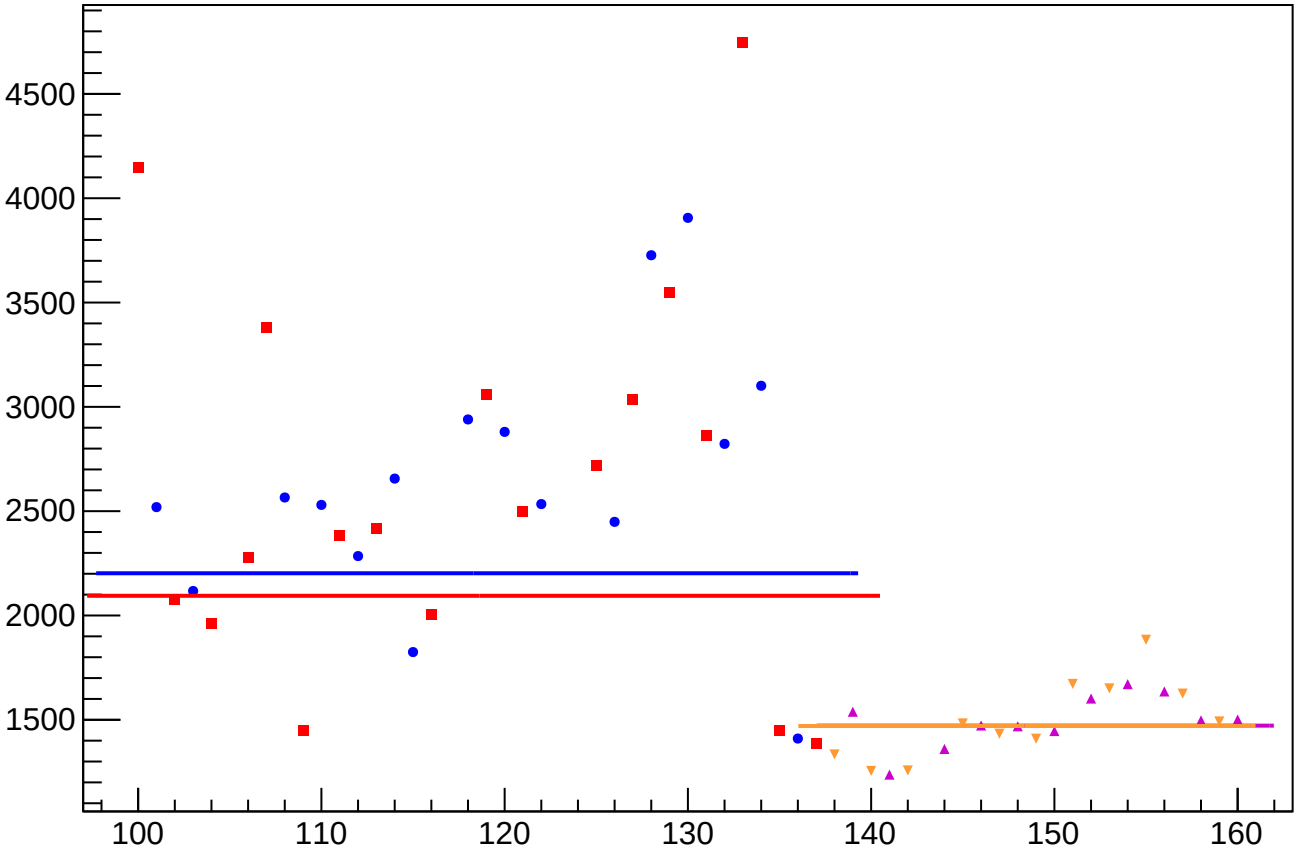
Left In: -528.839+/-478.820 χ^2/NDF:7.6/10

+ sign -1775.061+/-433.823 χ^2/NDF: 59.6/26

All: -1216.946+/-299.300 χ^2/NDF: 83.9/55

- 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: 1470.288+/-0.355 χ^2/NDF:233297.0/10

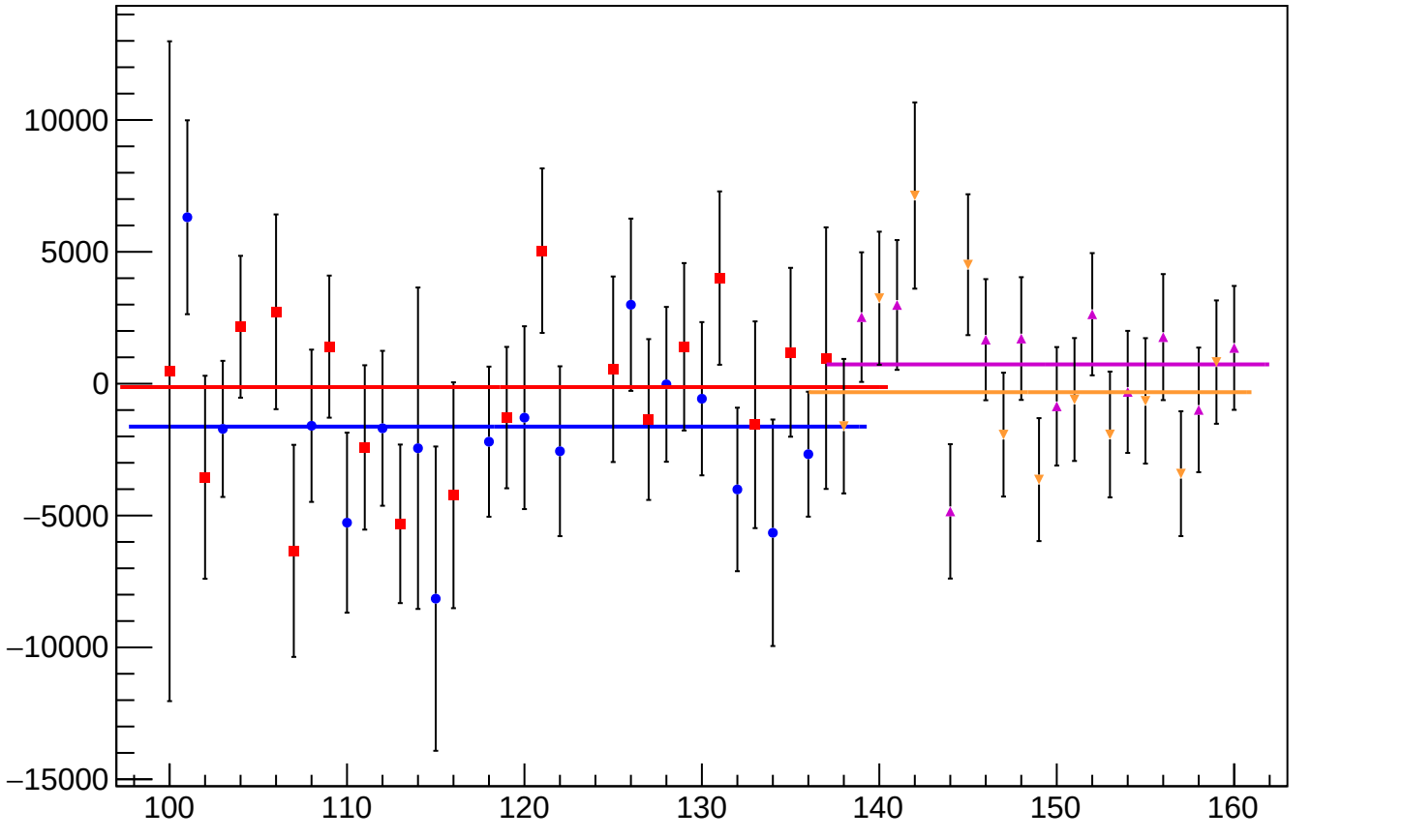
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1472.003+/-0.339 χ^2/NDF:132756.0/10

\+ sign 1656.686+/-0.307 χ^2/NDF: 2537183.3/26

All: 1642.879+/-0.212 χ^2/NDF: 4907205.5/55

\- 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: -322.250+/-746.455 χ^2/NDF:14.9/10

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

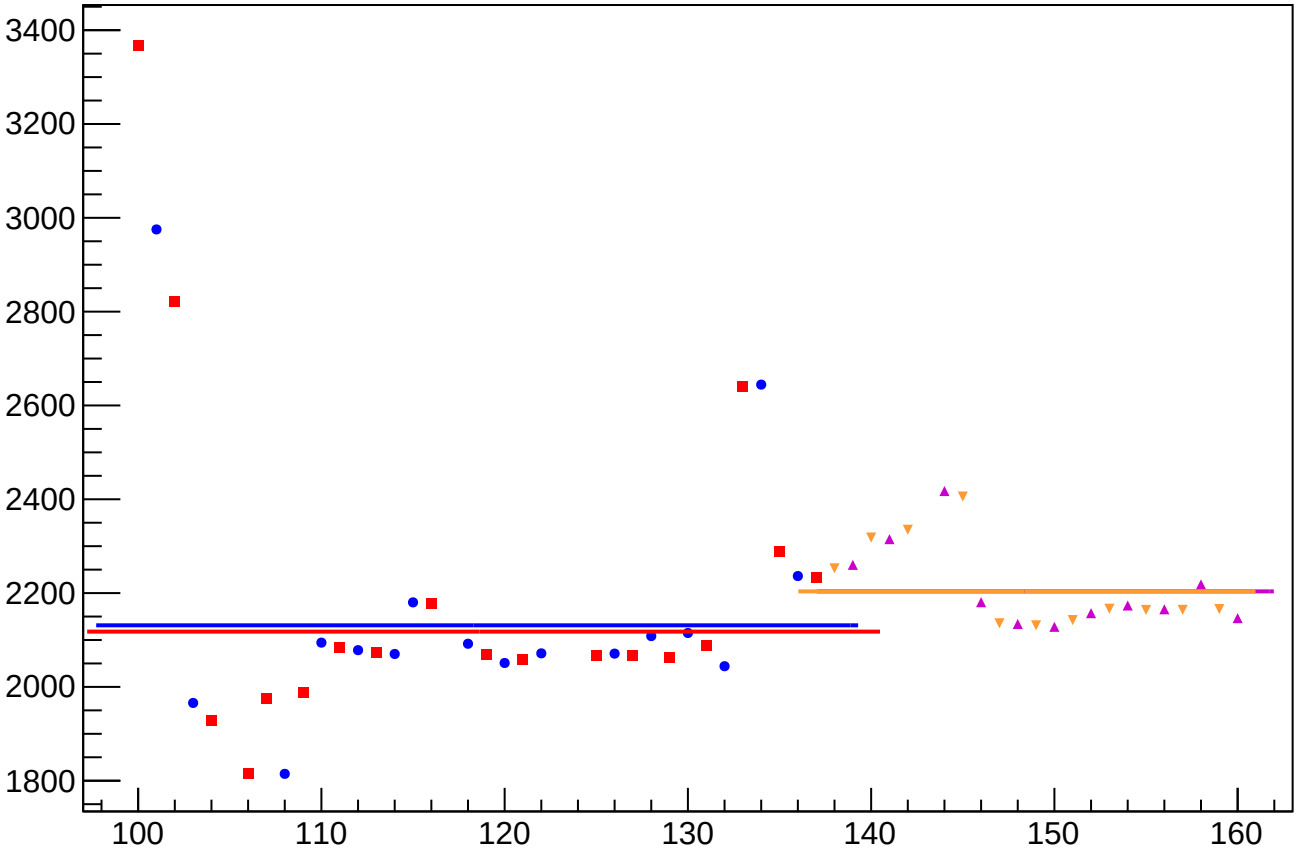
Left In: 731.530+/-713.240 χ^2/NDF:8.7/10

+ sign -931.453+/-545.125 χ^2/NDF: 27.7/26

All: -274.795+/-380.430 χ^2/NDF: 54.4/55

- 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: 2203.648+/-0.528 χ^2/NDF:26195.9/10

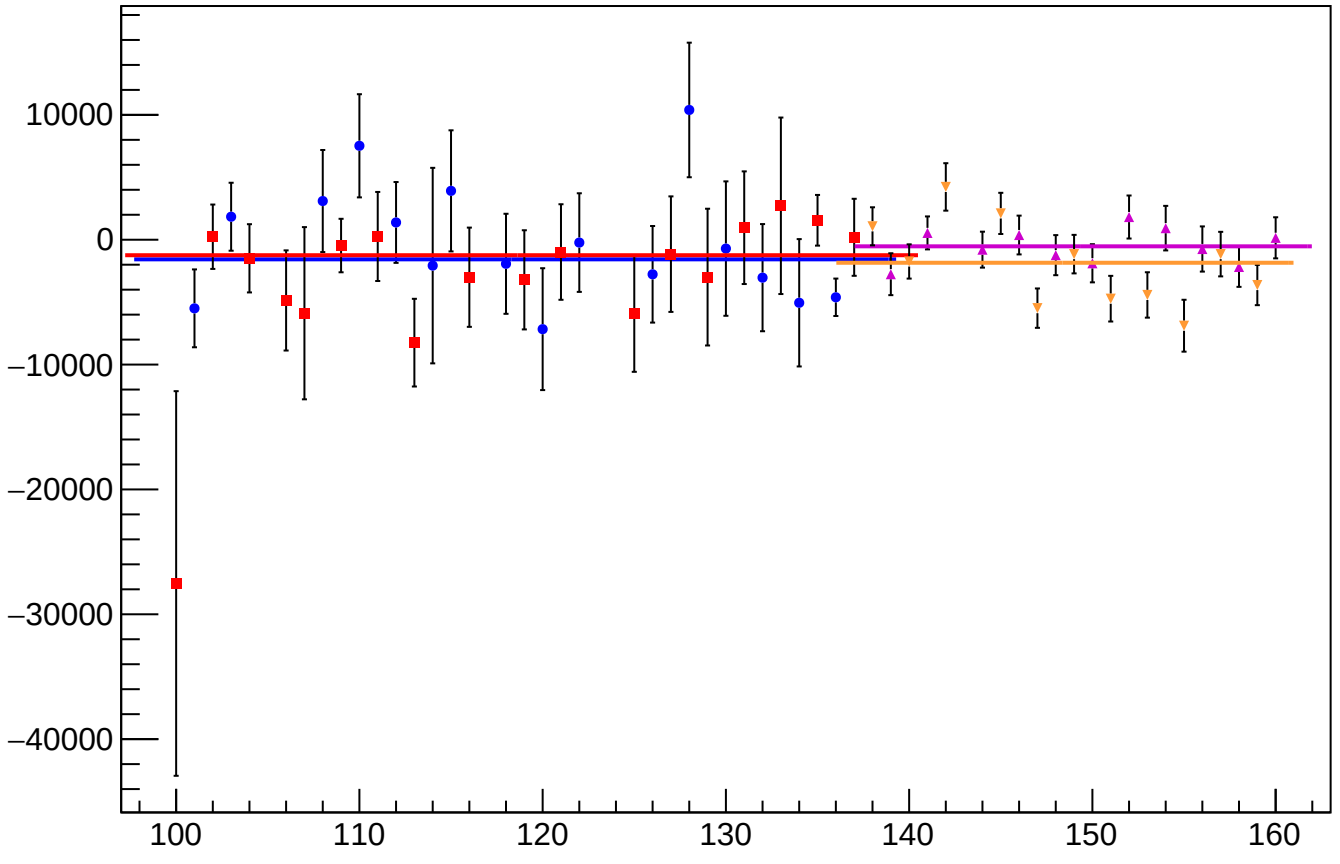
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2203.634+/-0.504 χ^2/NDF:26413.0/10

+ sign 2169.883+/-0.385 χ^2/NDF: 210907.5/26

All: 2167.601+/-0.269 χ^2/NDF: 413892.3/55

- 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: -1844.750+/-502.484 χ^2/NDF:36.9/10

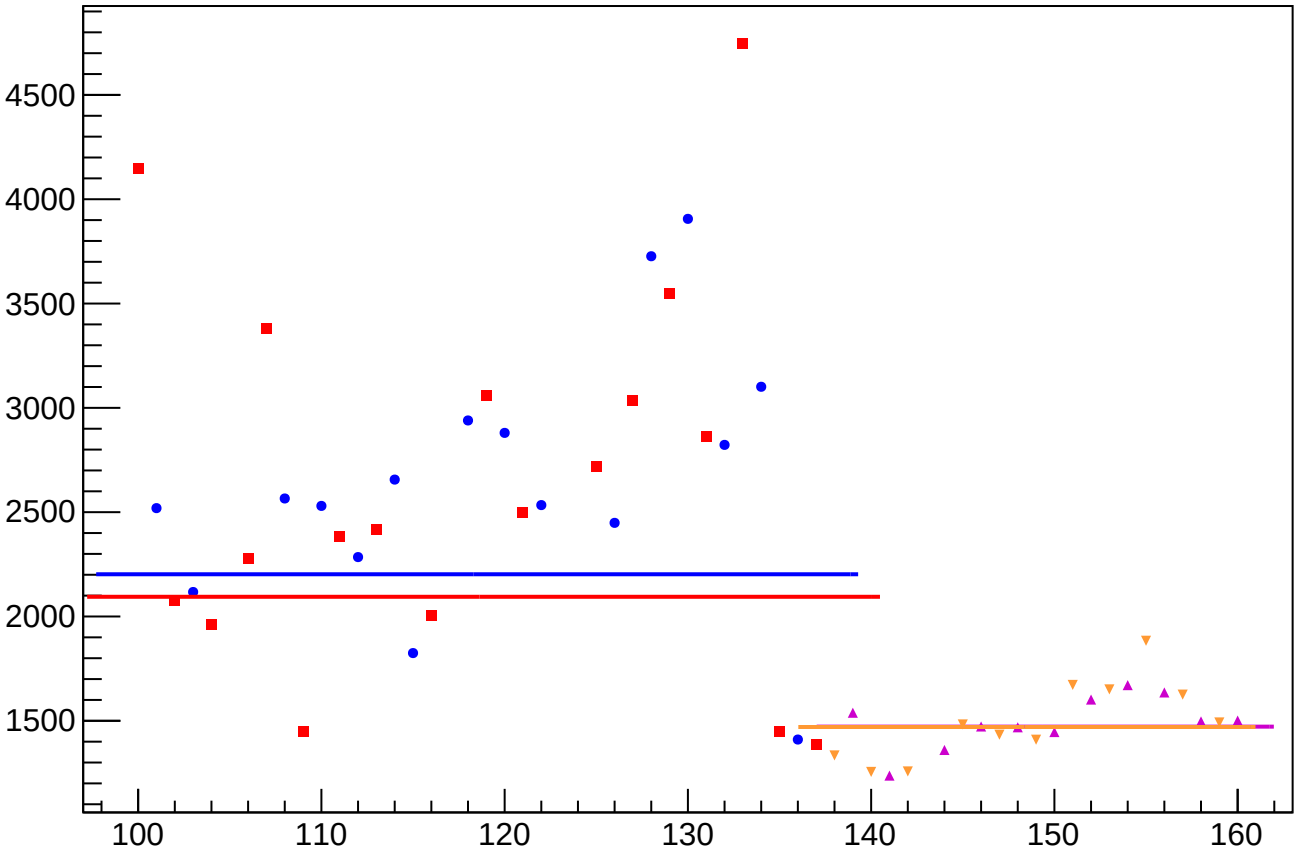
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -528.835+/-478.821 χ^2/NDF:7.6/10

\+ sign -1775.065+/-433.824 χ^2/NDF: 59.6/26

All: -1216.947+/-299.301 χ^2/NDF: 83.9/55

\- 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: 1470.294+/-0.355 χ^2/NDF:233285.7/10

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

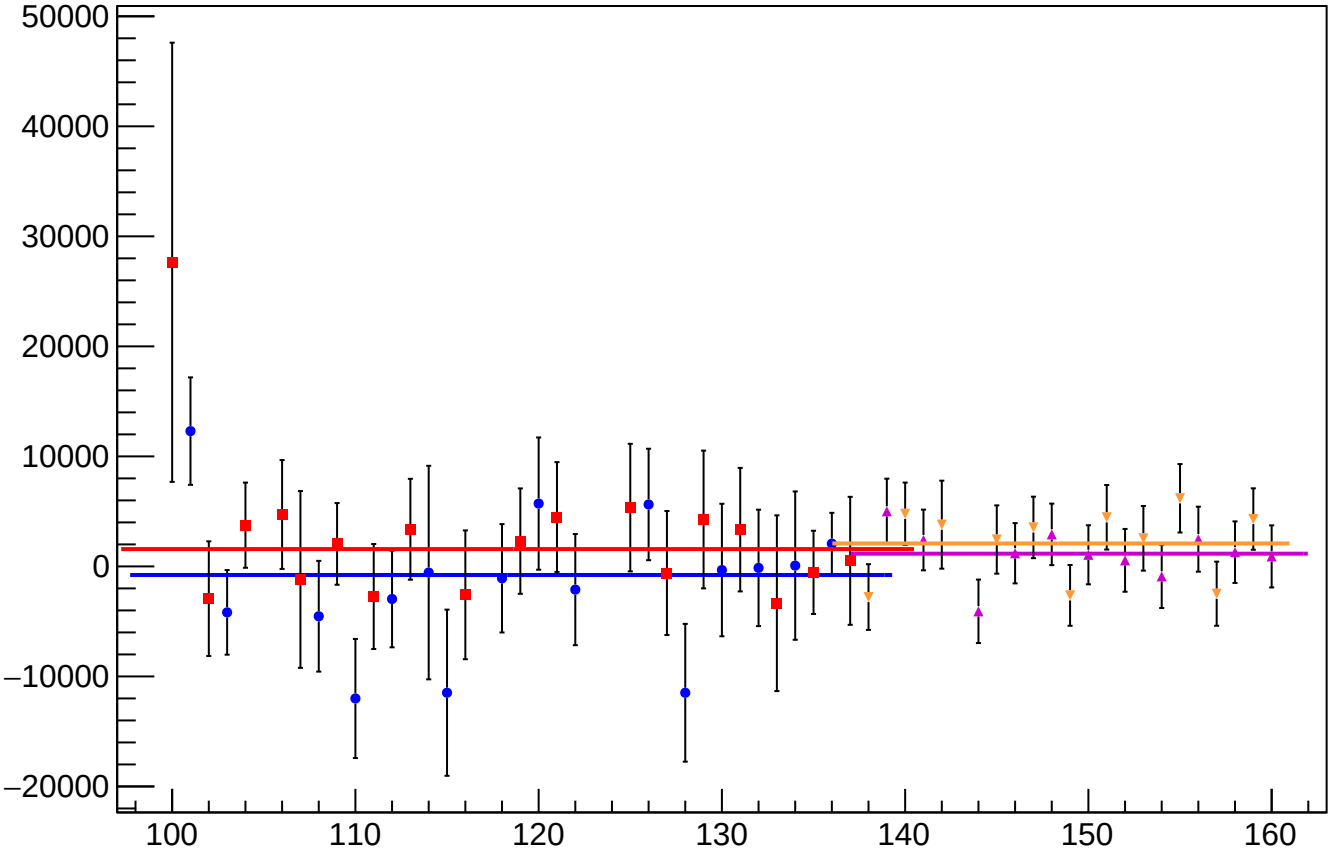
Left In: 1472.005+/-0.339 χ^2/NDF:132756.7/10

+ sign 1656.693+/-0.307 χ^2/NDF: 2537125.9/26

All: 1642.884+/-0.212 χ^2/NDF: 4907124.8/55

- 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: 2087.476+/-896.894 χ^2/NDF:12.5/10

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

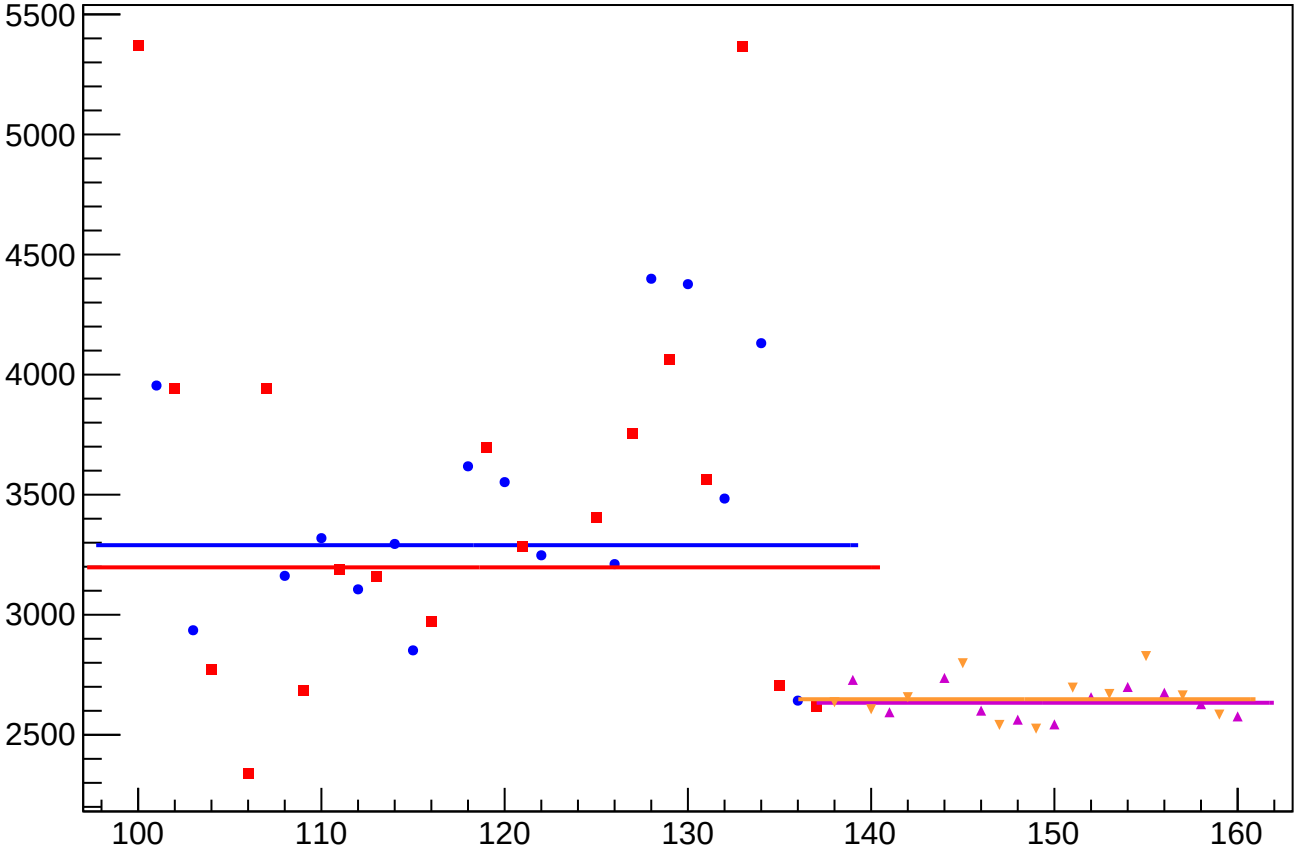
Left In: 1157.960+/-852.201 χ^2/NDF:6.4/10

+ sign 1103.805+/-727.065 χ^2/NDF: 37.9/26

All: 1203.121+/-503.687 χ^2/NDF: 51.1/55

- 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: 2648.242+/-0.634 χ^2/NDF:20444.3/10

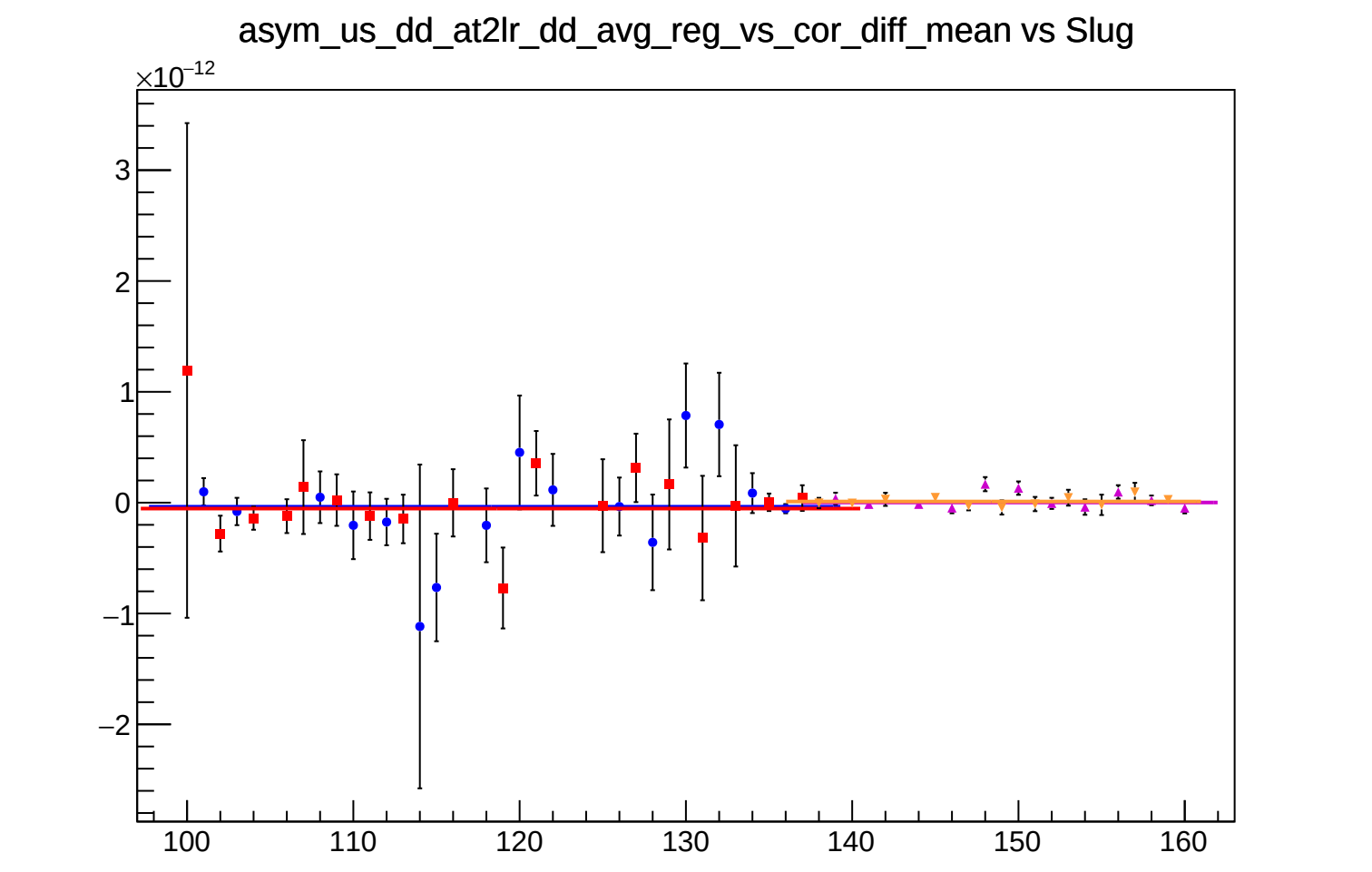
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2633.494+/-0.603 χ^2/NDF:11237.4/10

+ sign 2868.163+/-0.514 χ^2/NDF: 718771.0/26

All: 2842.398+/-0.356 χ^2/NDF: 1522250.6/55

- sign 2818.623+/-0.494 χ^2/NDF: 798650.5/28



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/10

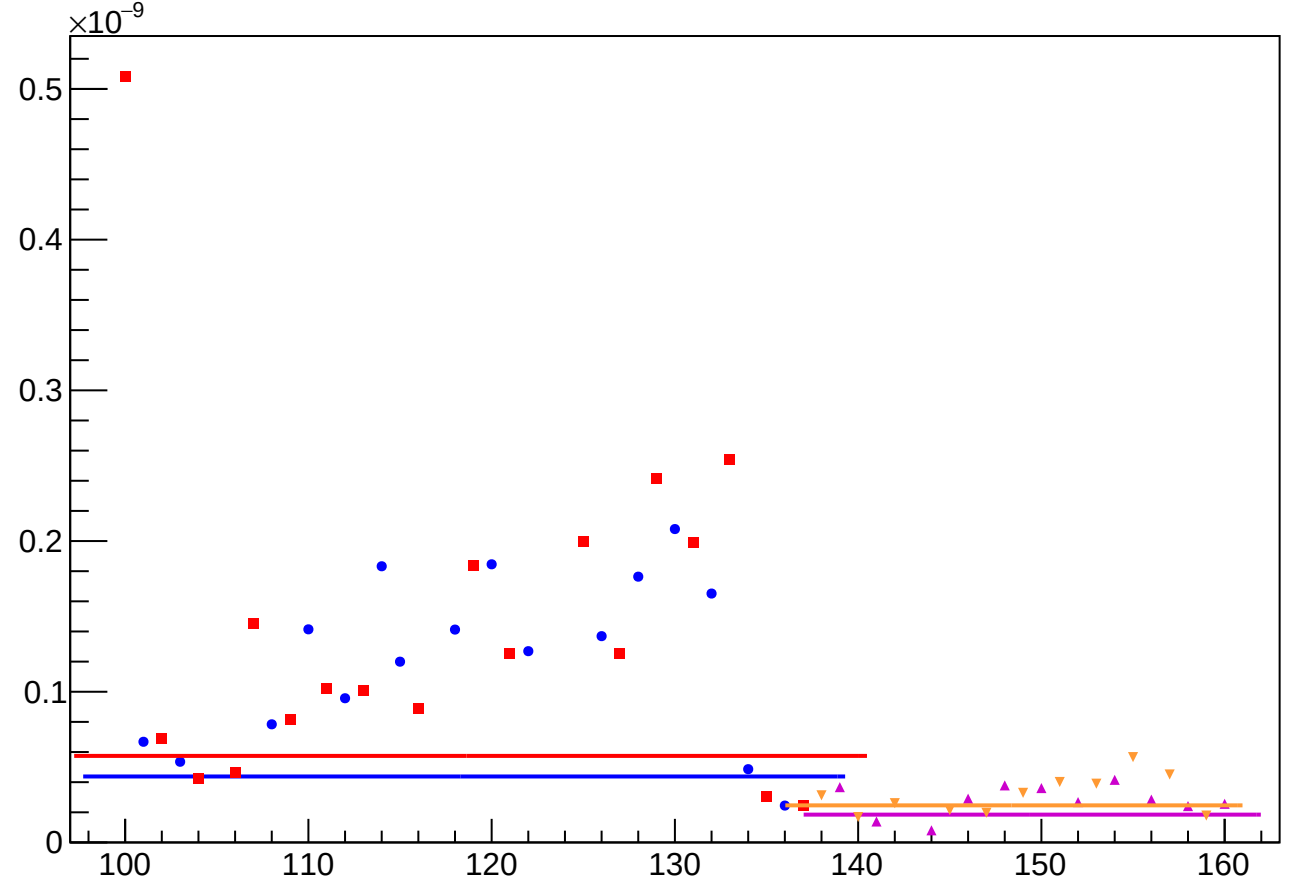
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:18.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 19.4/26

All: 0.000+/-0.000 χ^2/NDF: 51.7/55

- sign -0.000+/-0.000 χ^2/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:878458.0/10

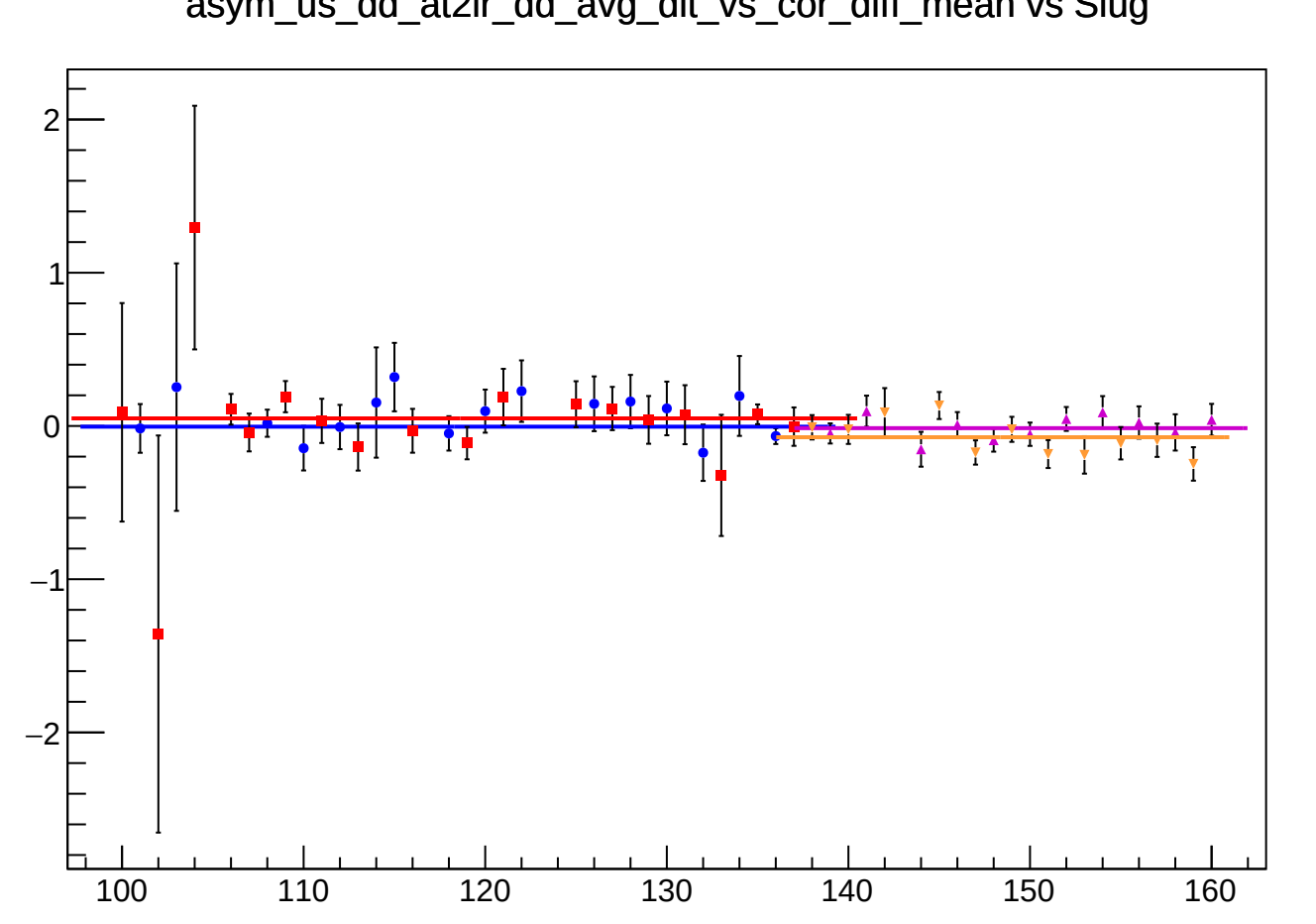
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1813347.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 3636028.7/26

All: 0.000+/-0.000 χ^2/NDF: 9315155.6/55

- 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: -0.073+/-0.029 χ^2/NDF:14.5/10

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

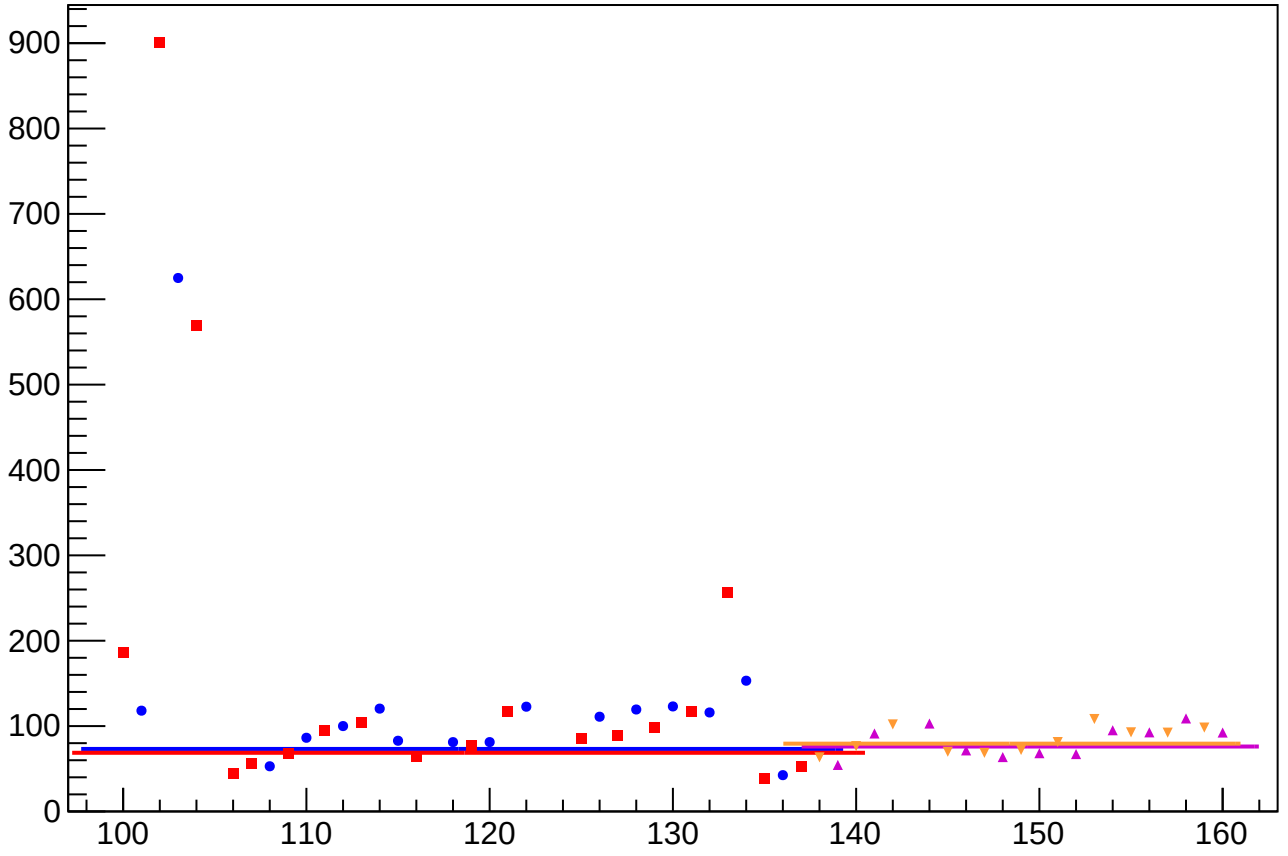
Left In: -0.014+/-0.027 χ^2/NDF:6.4/10

+ sign -0.043+/-0.022 χ^2/NDF: 27.4/26

All: -0.014+/-0.015 χ^2/NDF: 52.6/55

- 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: 79.420+/-0.020 χ^2/NDF:431547.9/10

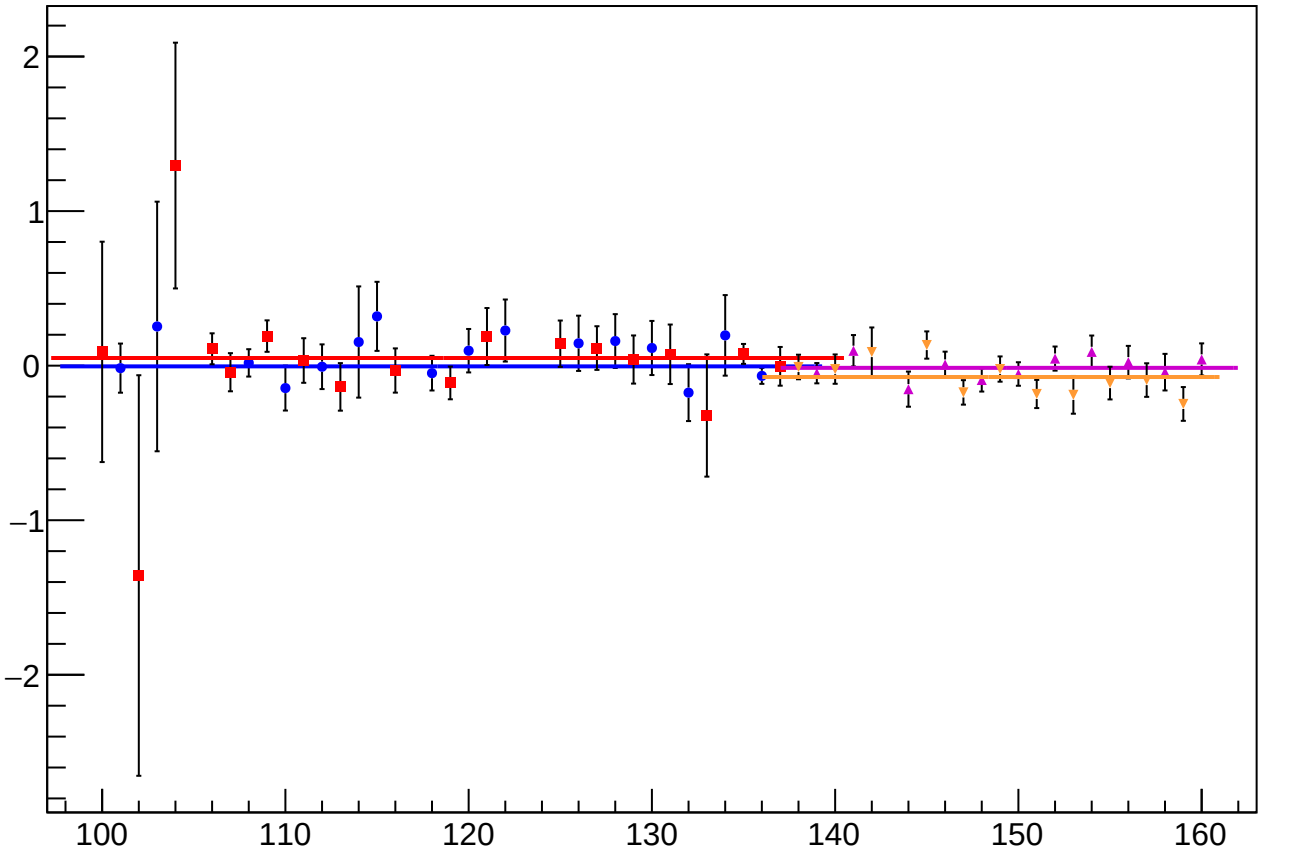
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 76.062+/-0.019 χ^2/NDF:798957.6/10

+ sign 76.656+/-0.015 χ^2/NDF: 3326913.8/26

All: 74.738+/-0.010 χ^2/NDF: 7550584.8/55

- sign 73.021+/-0.014 χ^2/NDF: 4193612.0/28



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.073+/-0.029 χ^2/NDF:14.5/10

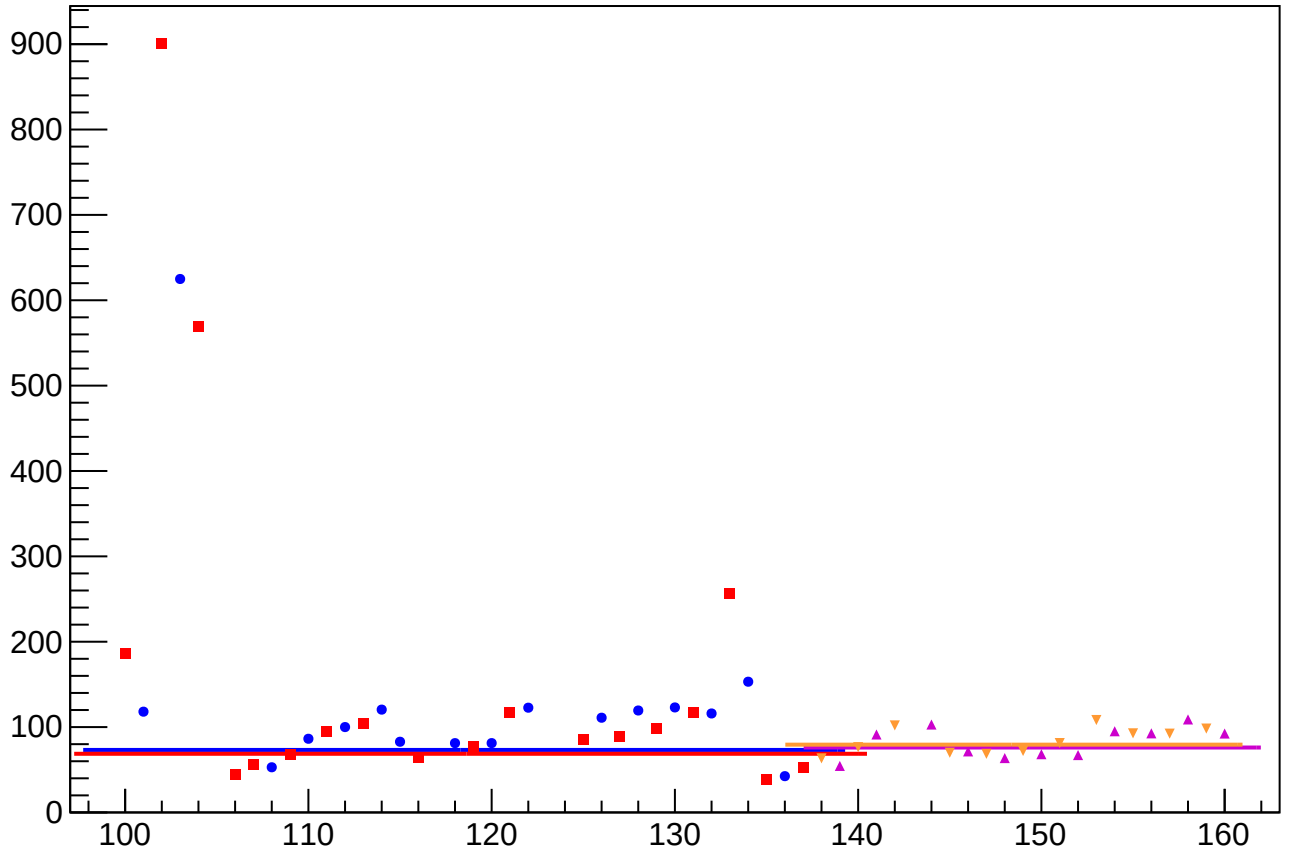
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.027 χ^2/NDF:6.4/10

+ sign -0.043+/-0.022 χ^2/NDF: 27.4/26

All: -0.014+/-0.015 χ^2/NDF: 52.6/55

- sign 0.012+/-0.020 χ^2/NDF: 21.8/28



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 79.420+/-0.020 χ^2/NDF:431547.9/10

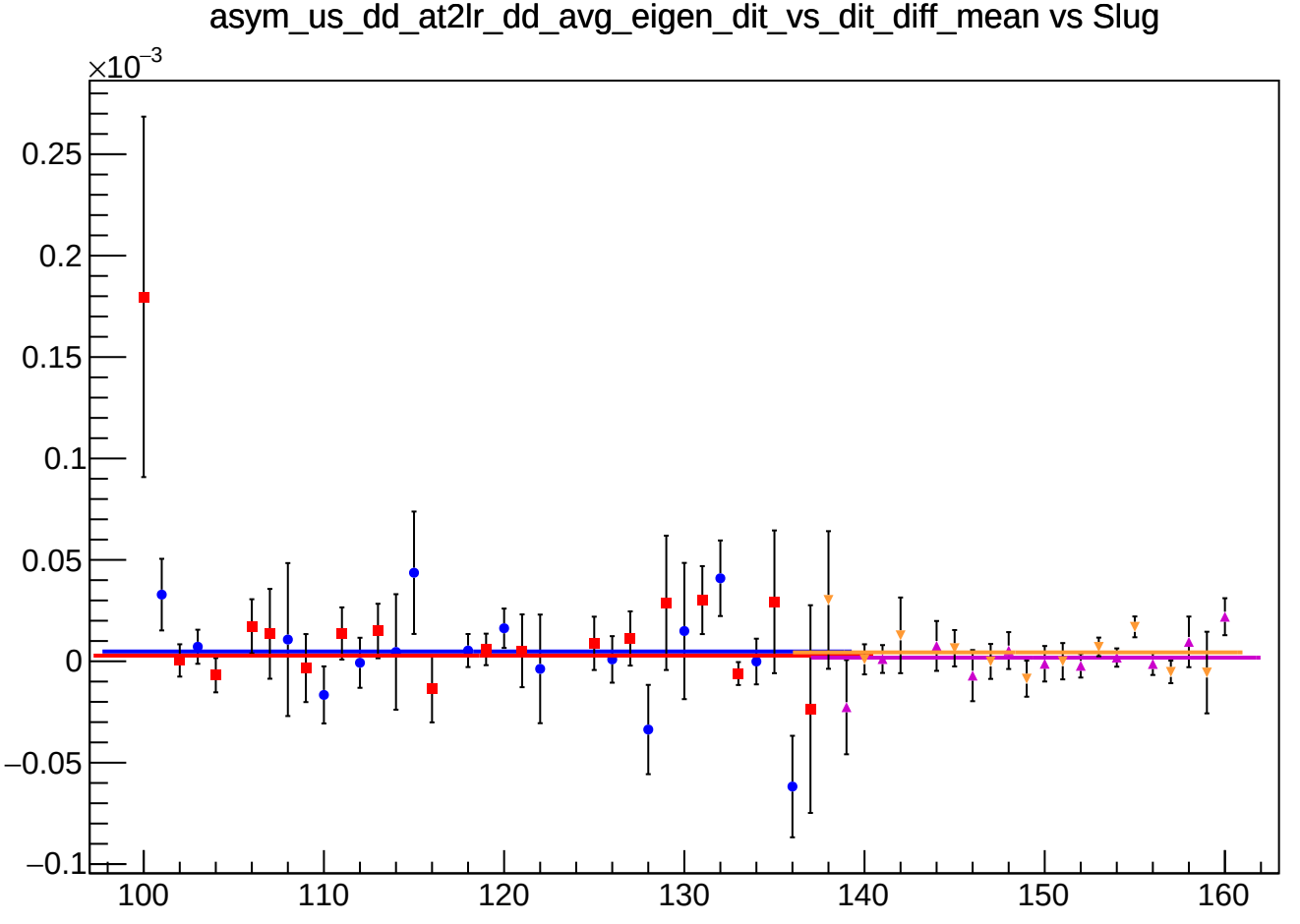
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 76.062+/-0.019 χ^2/NDF:798957.6/10

+ sign 76.656+/-0.015 χ^2/NDF: 3326913.8/26

All: 74.738+/-0.010 χ^2/NDF: 7550584.8/55

- 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:13.3/10

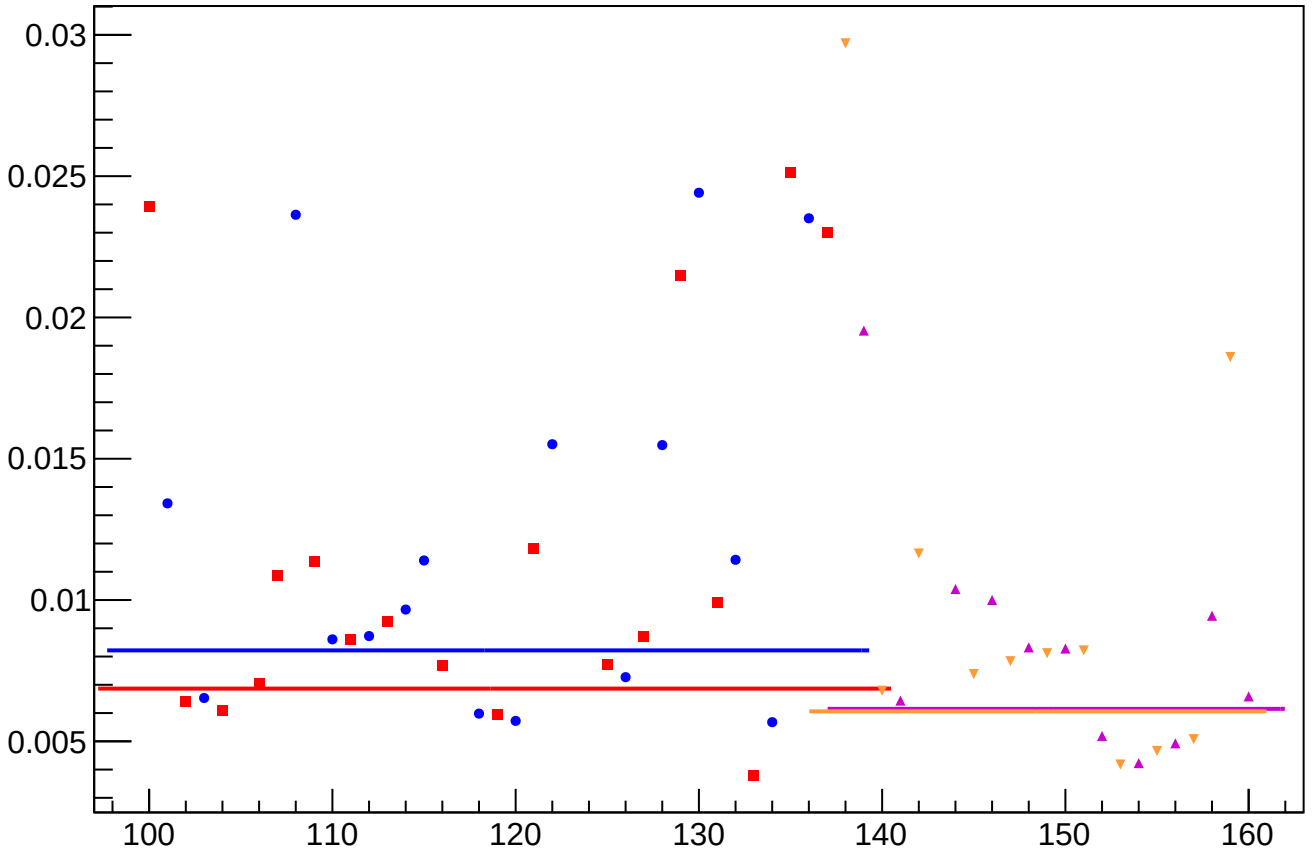
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:8.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 35.9/26

All: 0.000+/-0.000 χ^2/NDF: 61.7/55

- 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:2843702.6/10

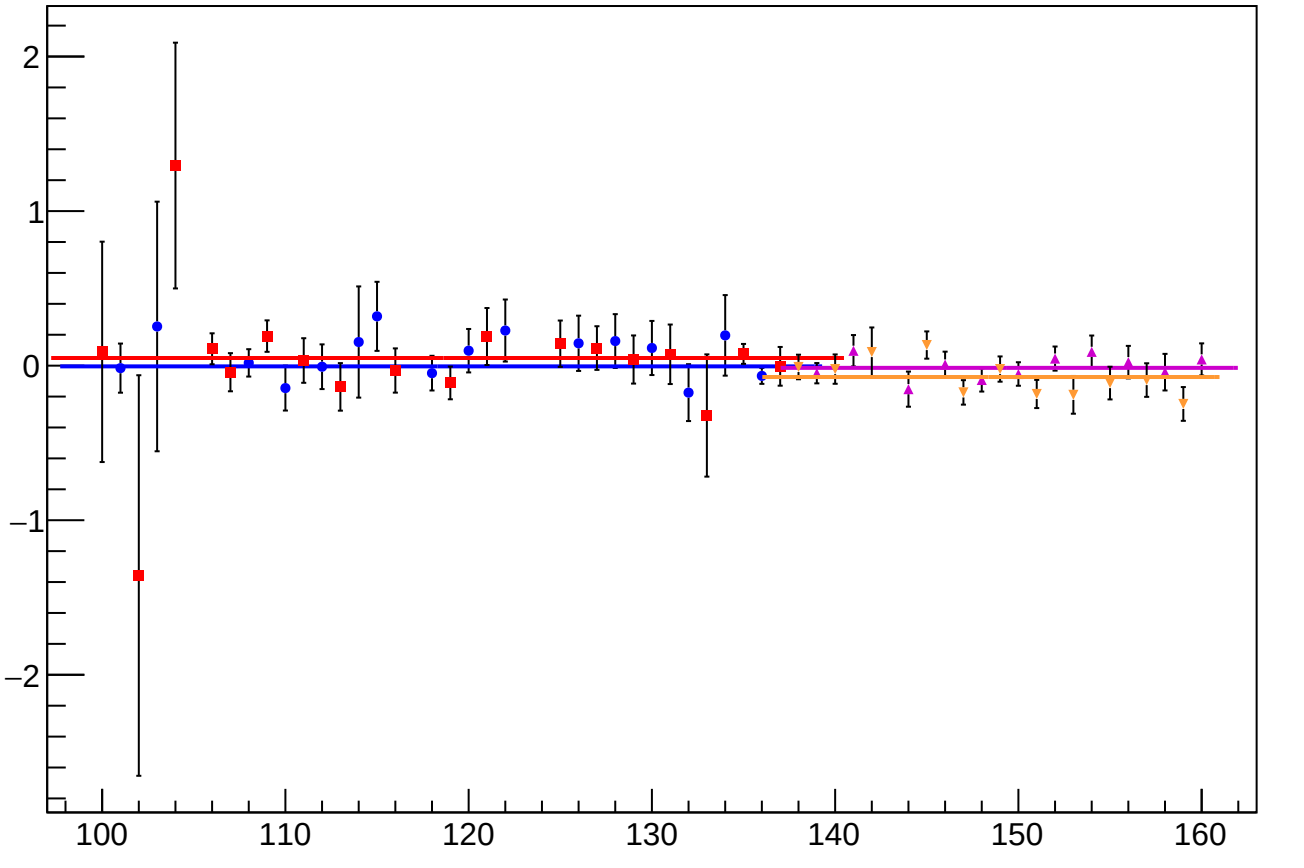
Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:1986151.0/10

+ sign 0.007+/-0.000 χ^2/NDF: 6035532.1/26

All: 0.007+/-0.000 χ^2/NDF: 10547703.6/55

- 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: -0.073+/-0.029 χ^2/NDF:14.5/10

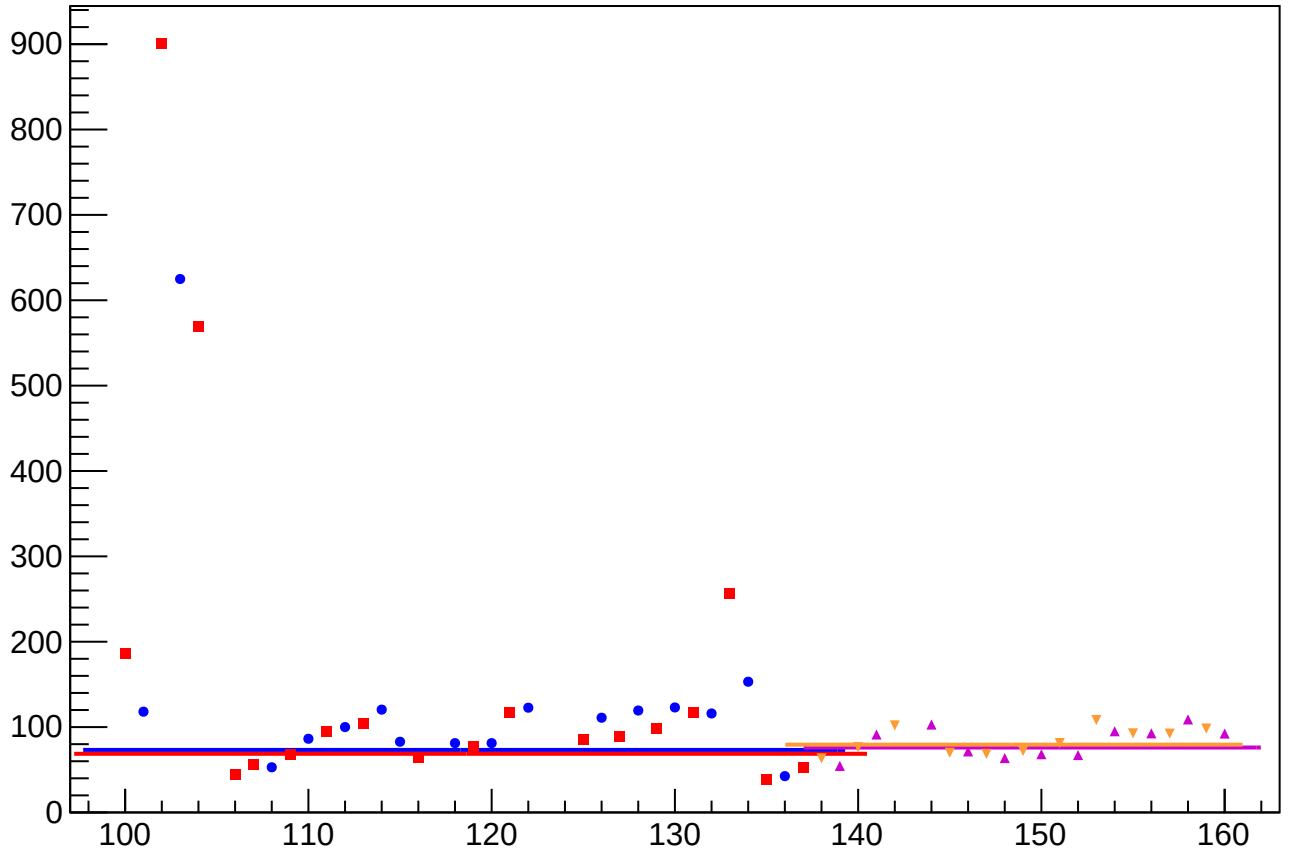
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.027 χ^2/NDF:6.4/10

+ sign -0.043+/-0.022 χ^2/NDF: 27.4/26

All: -0.014+/-0.015 χ^2/NDF: 52.6/55

- 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: 79.421+/-0.020 χ^2/NDF:431545.1/10

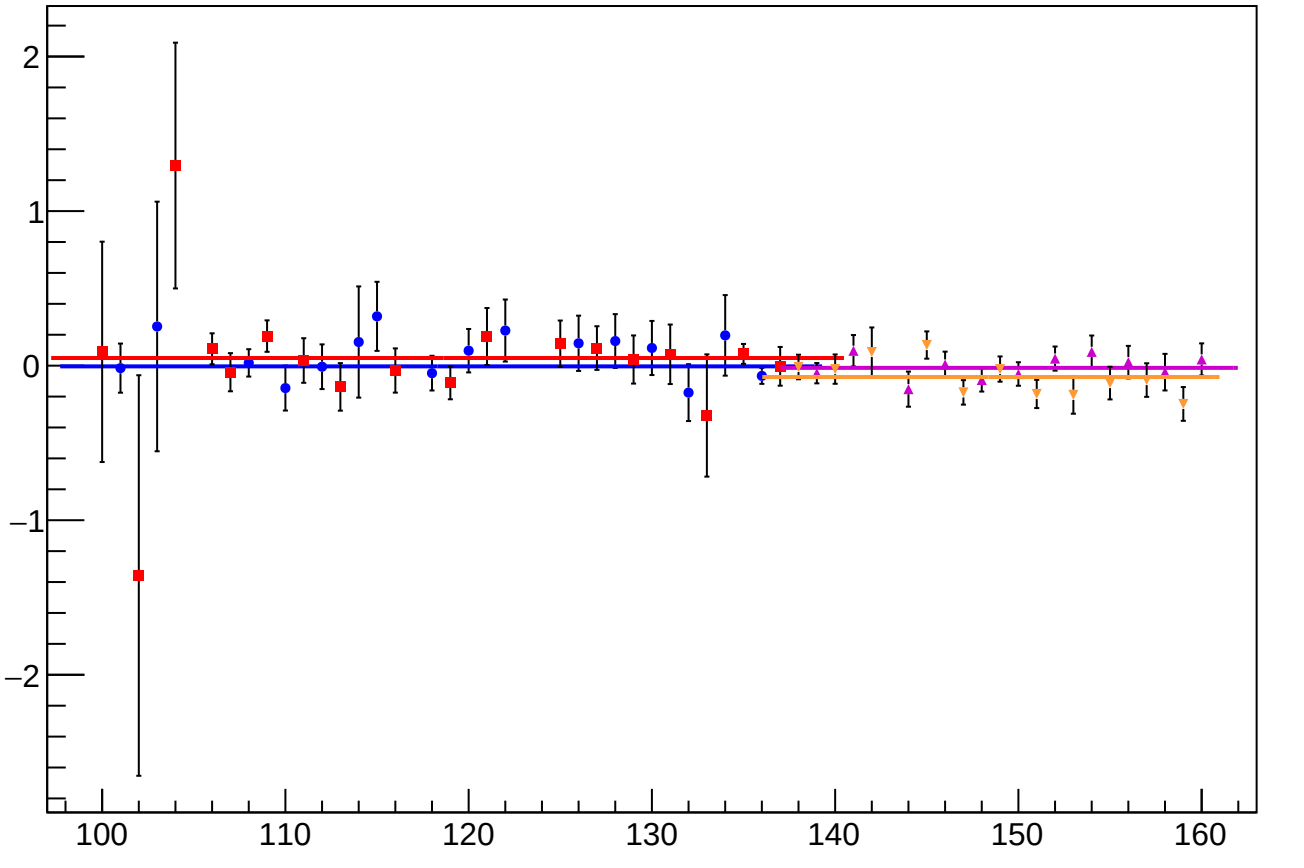
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 76.064+/-0.019 χ^2/NDF:798737.0/10

+ sign 76.669+/-0.015 χ^2/NDF: 3324289.6/26

All: 74.742+/-0.010 χ^2/NDF: 7549239.6/55

- sign 73.017+/-0.014 χ^2/NDF: 4194629.6/28



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.073+/-0.029 χ^2/NDF:14.5/10

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

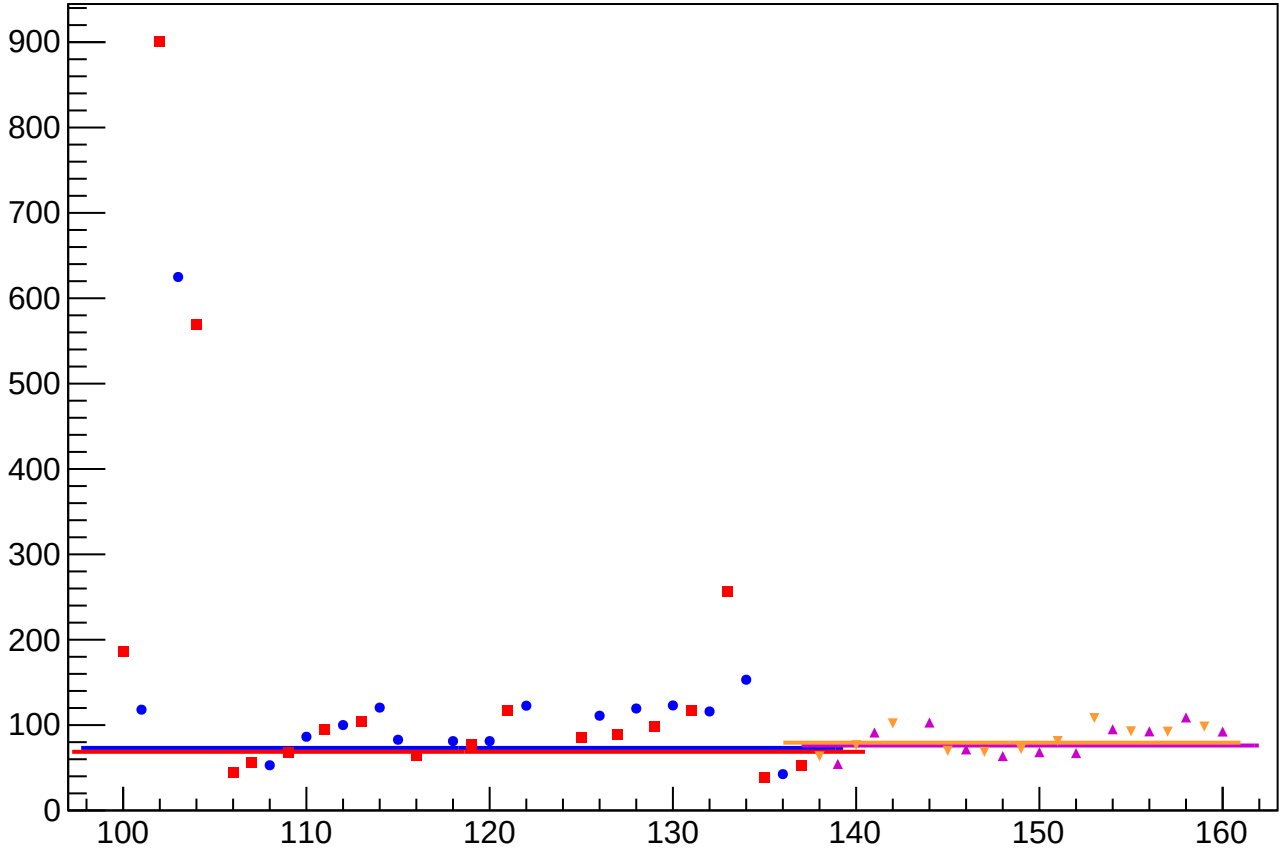
Left In: -0.014+/-0.027 χ^2/NDF:6.4/10

+ sign -0.043+/-0.022 χ^2/NDF: 27.4/26

All: -0.014+/-0.015 χ^2/NDF: 52.6/55

- 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



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 79.421+/-0.020 χ^2/NDF:431545.1/10

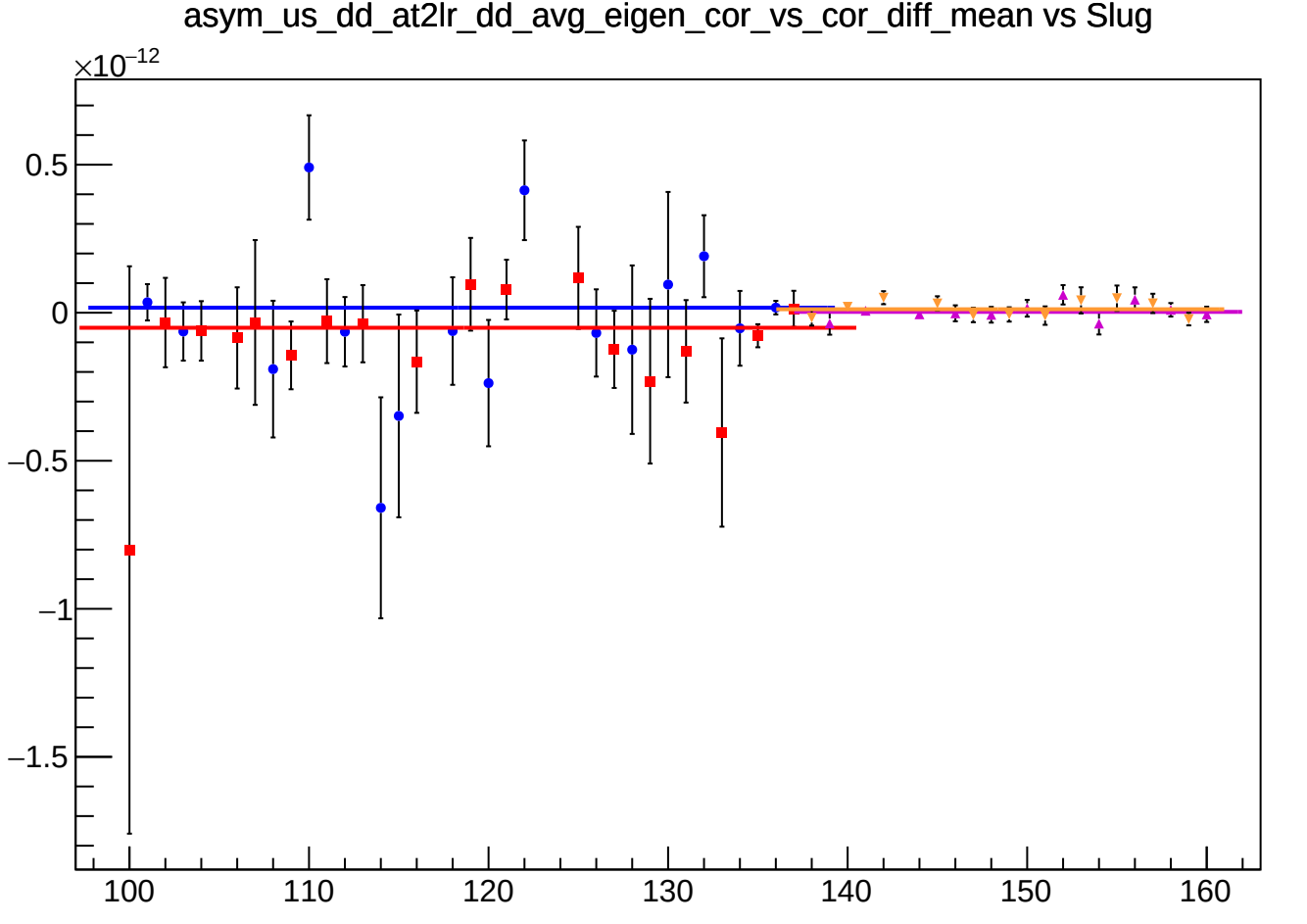
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 76.064+/-0.019 χ^2/NDF:798737.0/10

+ sign 76.669+/-0.015 χ^2/NDF: 3324289.6/26

All: 74.742+/-0.010 χ^2/NDF: 7549239.6/55

- sign 73.017+/-0.014 χ^2/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:10.8/10

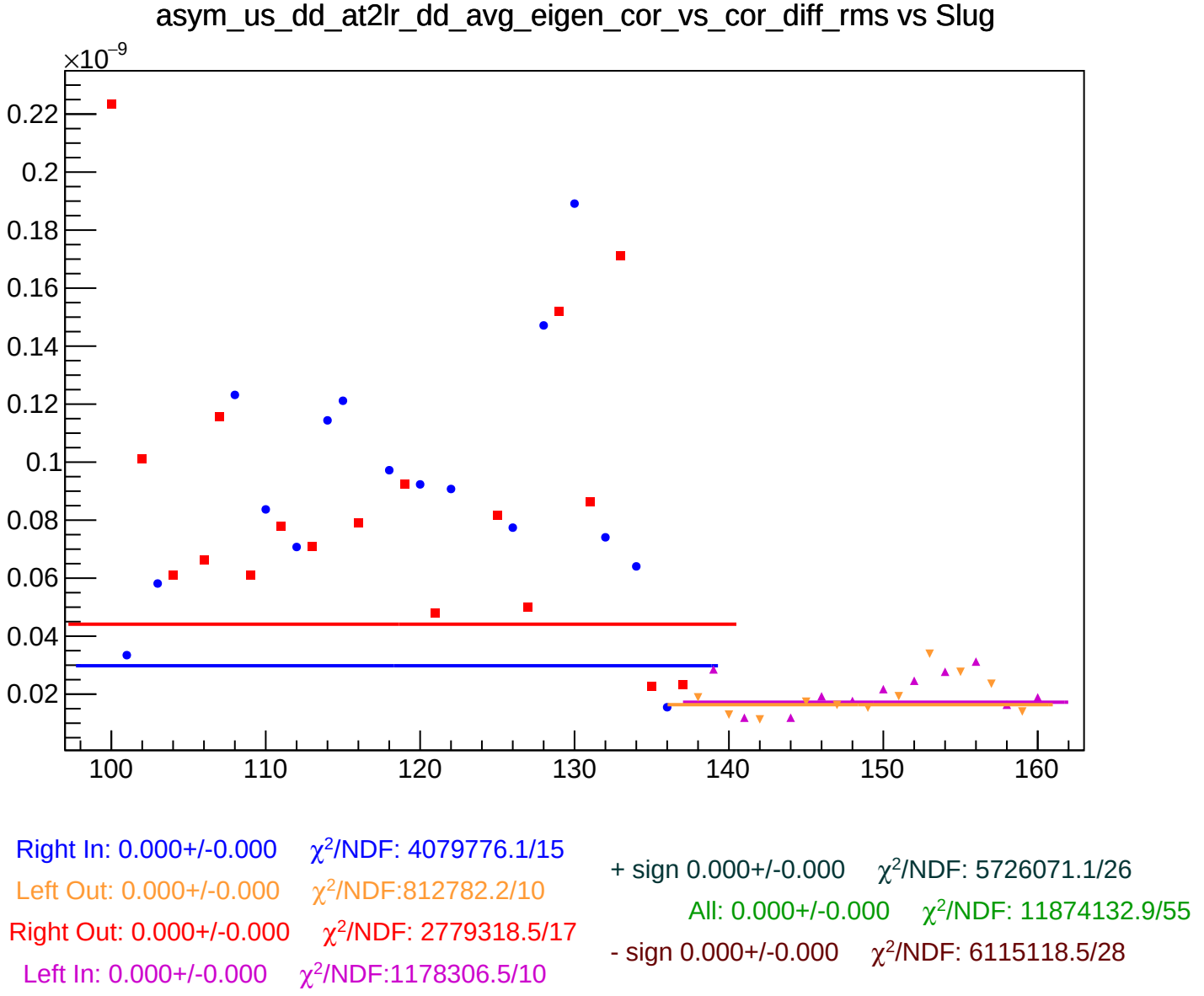
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/10

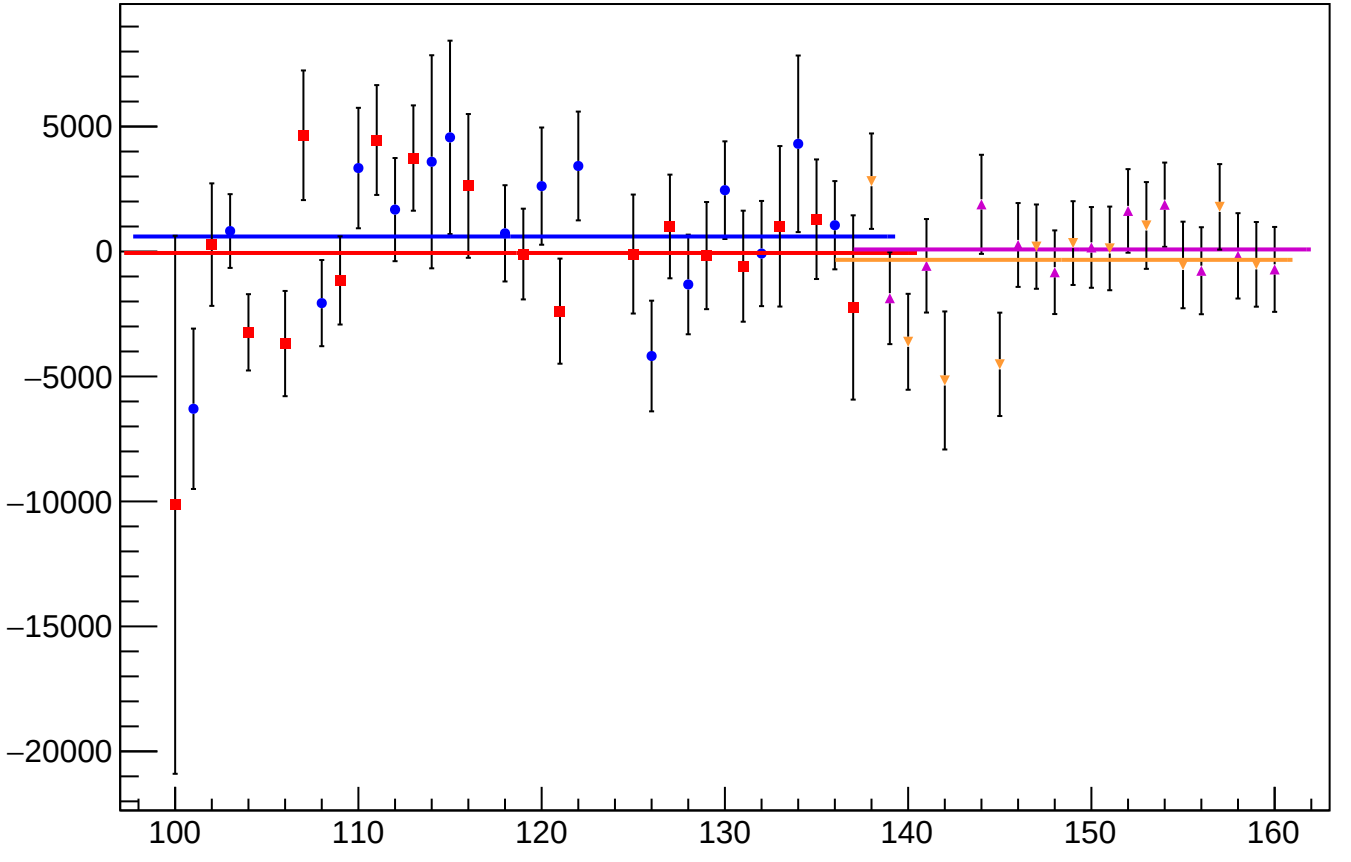
+ sign 0.000+/-0.000 χ^2/NDF: 34.2/26

All: 0.000+/-0.000 χ^2/NDF: 56.7/55

- 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:812782.2/10
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: 5726071.1/26
All: 0.000+/-0.000 χ²/NDF: 11874132.9/55
- 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: -333.887+/-547.949 χ^2/NDF:15.3/10

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

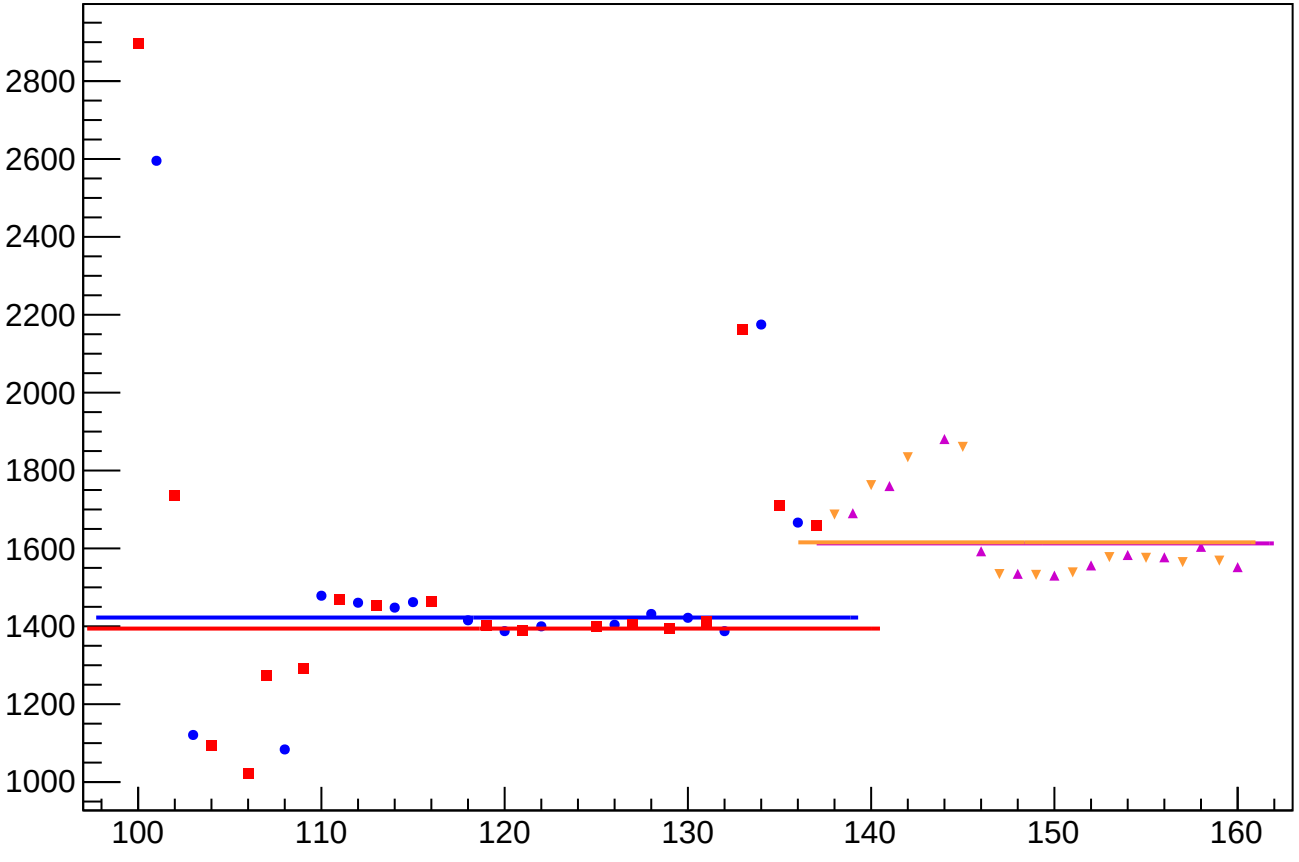
Left In: 82.300+/-522.655 χ^2/NDF:4.8/10

+ sign 139.907+/-384.636 χ^2/NDF: 37.1/26

All: 74.174+/-267.479 χ^2/NDF: 64.6/55

- 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: 1615.561+/-0.387 χ^2/NDF:74325.8/10

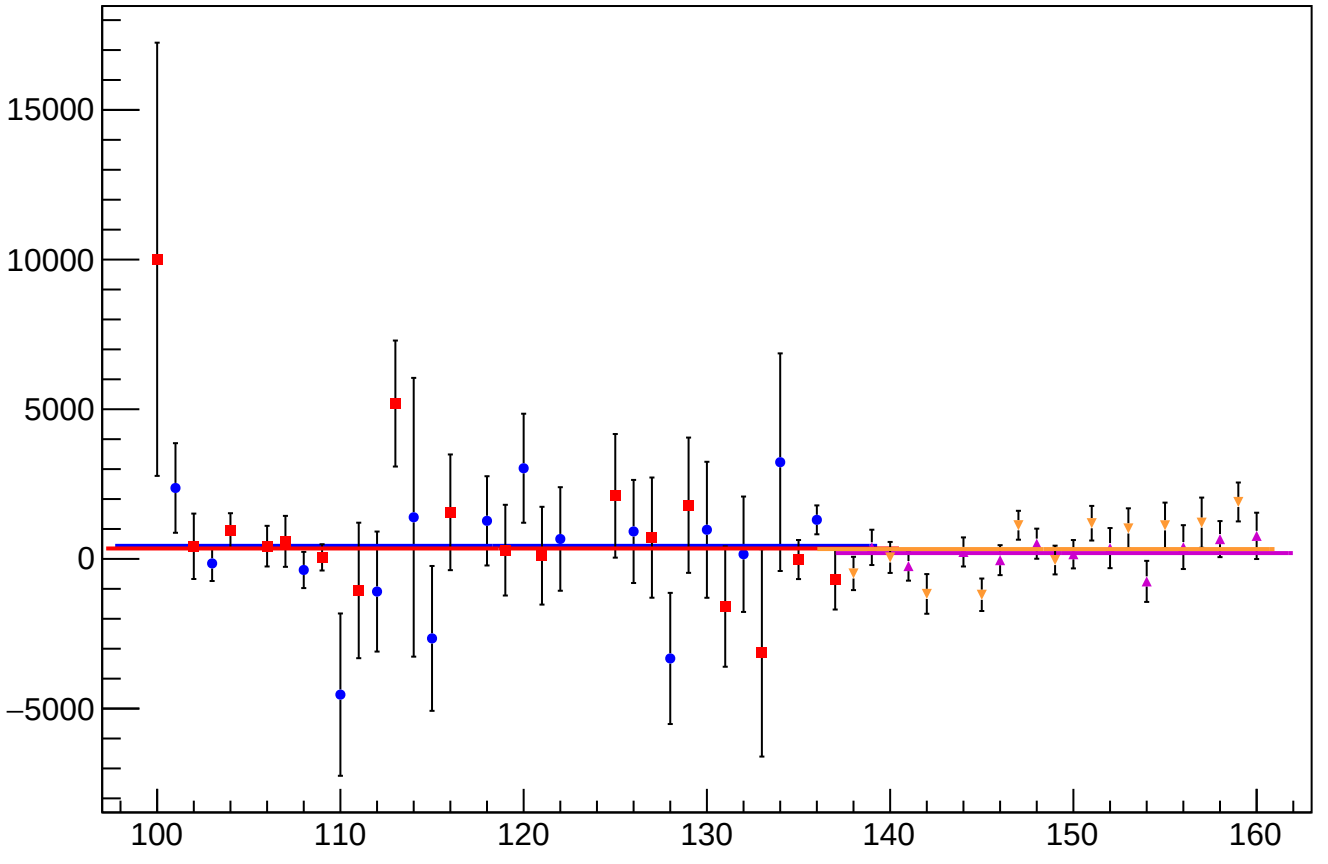
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1612.879+/-0.370 χ^2/NDF:68747.5/10

+ sign 1517.637+/-0.272 χ^2/NDF: 760507.0/26

All: 1511.159+/-0.189 χ^2/NDF: 1396613.8/55

- 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: 329.193+/-176.785 χ^2/NDF:30.1/10

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

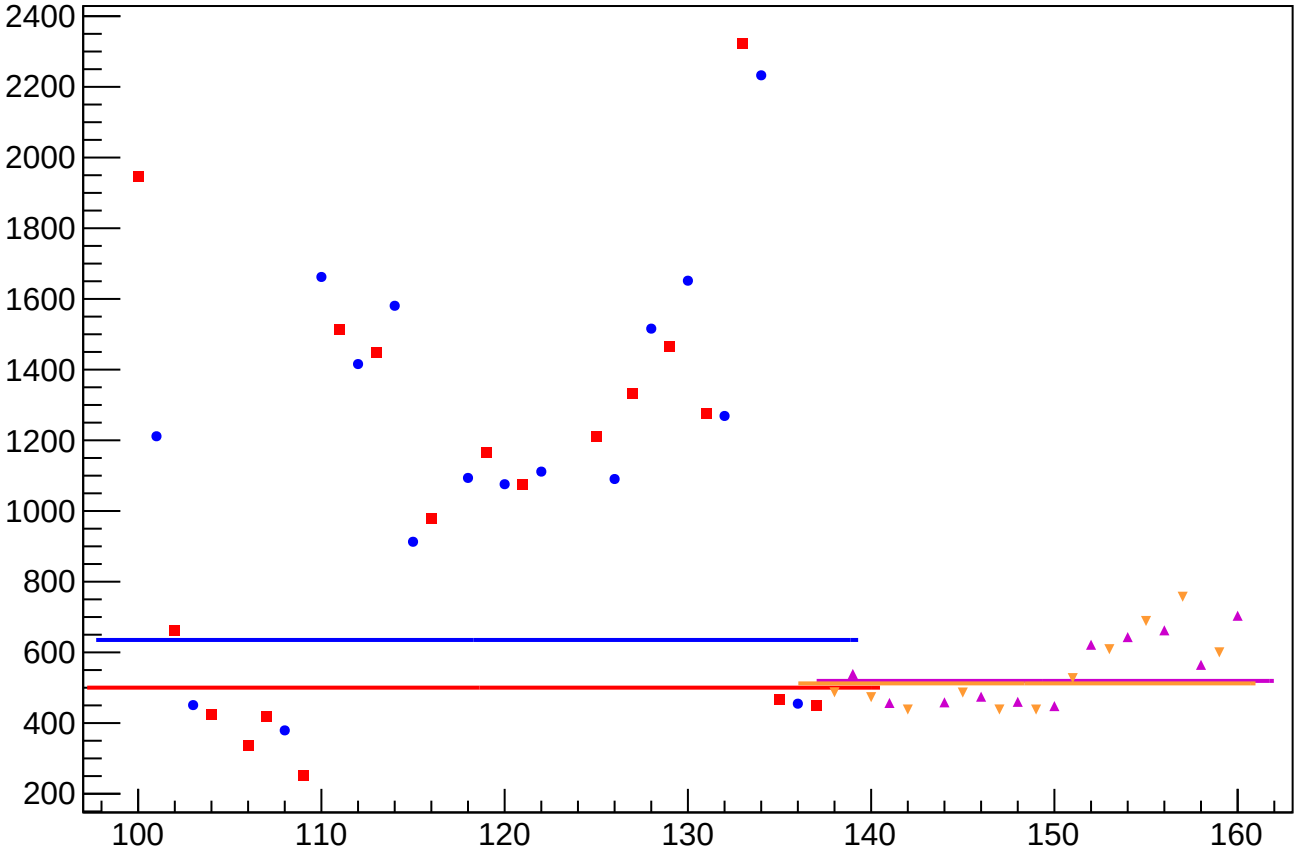
Left In: 194.785+/-170.593 χ^2/NDF:4.7/10

+ sign 360.426+/-148.853 χ^2/NDF: 49.6/26

All: 300.007+/-101.120 χ^2/NDF: 68.8/55

- 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: 512.253+/-0.125 χ^2/NDF:497636.6/10

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

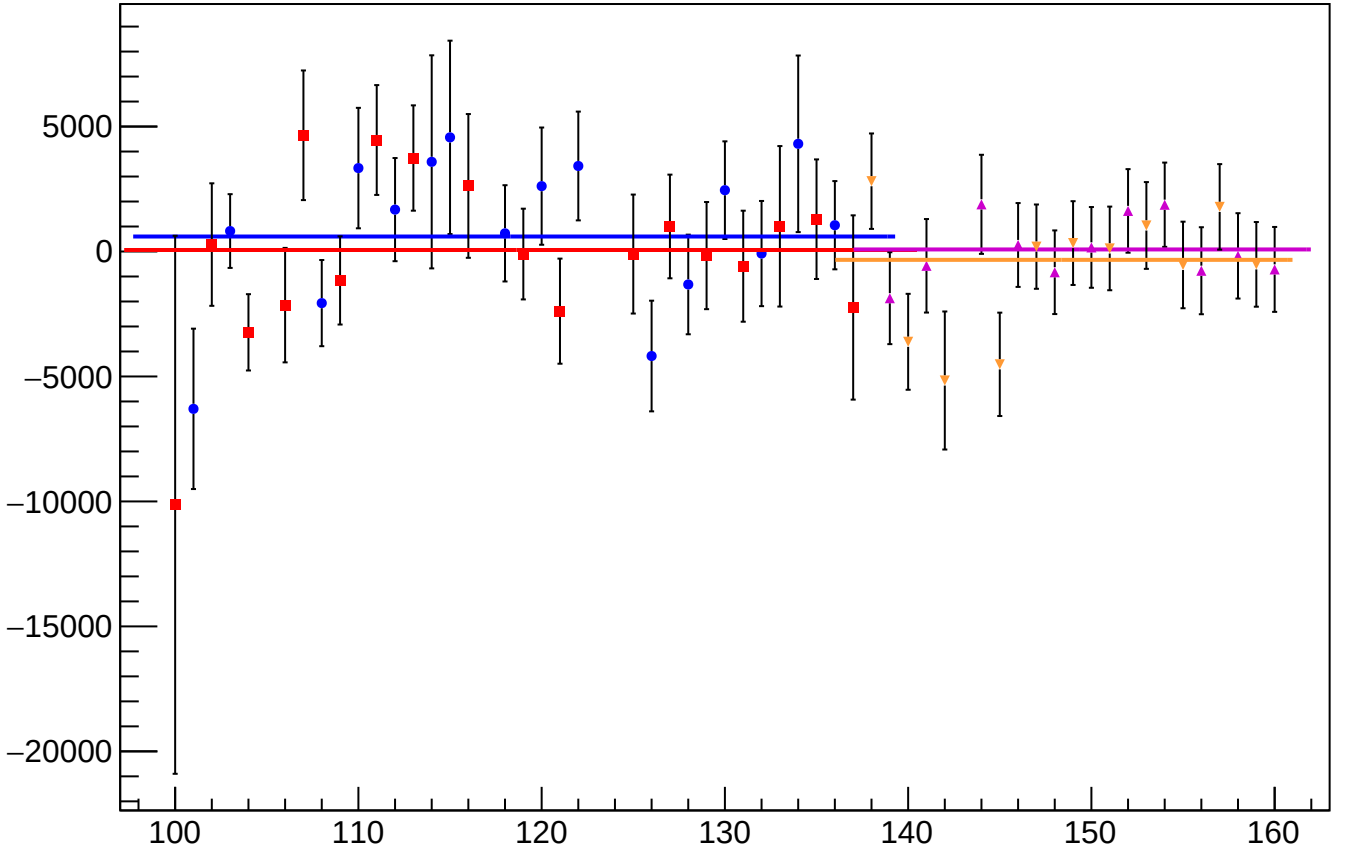
Left In: 519.305+/-0.121 χ^2/NDF:468109.7/10

+ sign 548.017+/-0.105 χ^2/NDF: 4531453.8/26

All: 528.986+/-0.072 χ^2/NDF: 9378056.3/55

- 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: -334.034+/-547.949 χ^2/NDF:15.3/10

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

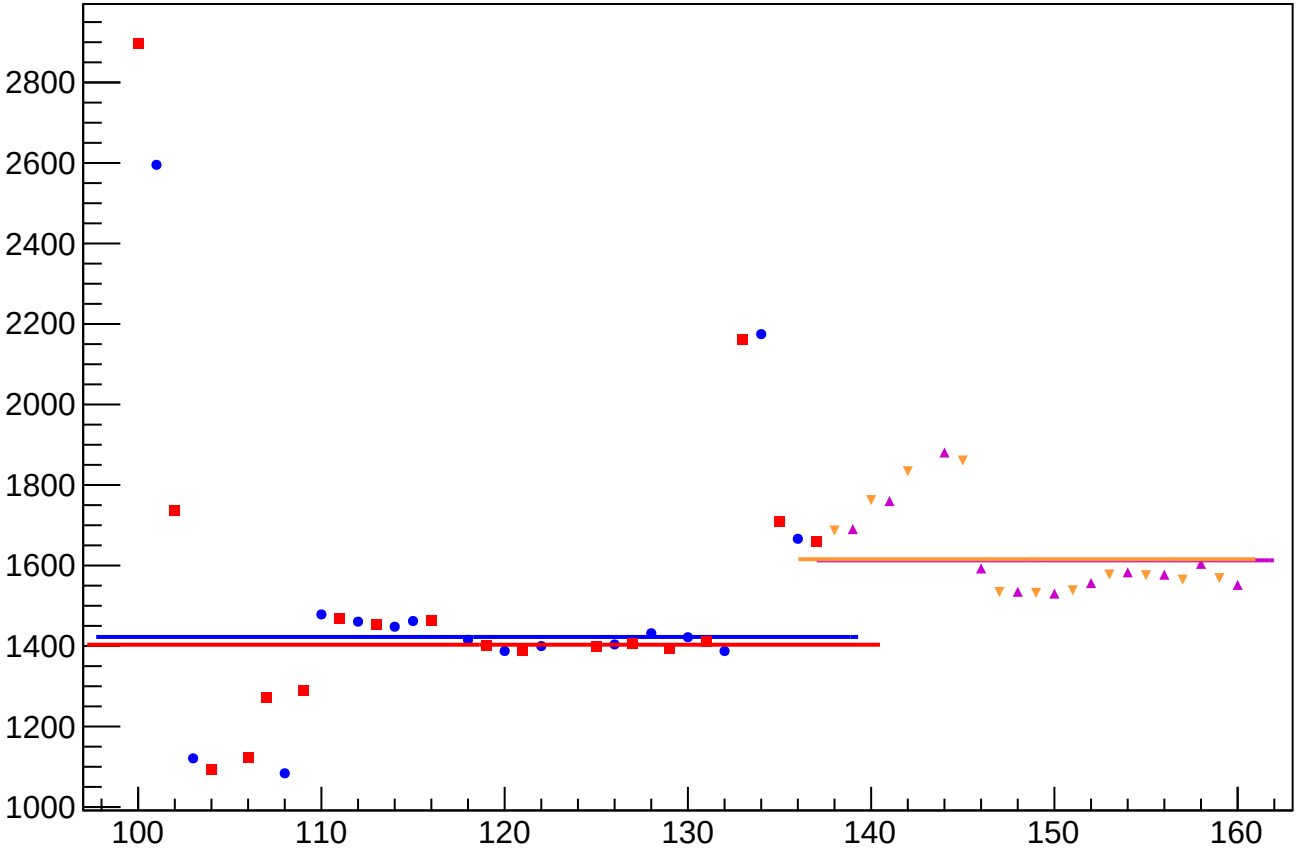
Left In: 82.267+/-522.655 χ^2/NDF:4.8/10

+ sign 139.771+/-384.636 χ^2/NDF: 37.1/26

All: 104.611+/-267.813 χ^2/NDF: 62.3/55

- 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: 1615.561+/-0.387 χ^2/NDF:74325.8/10

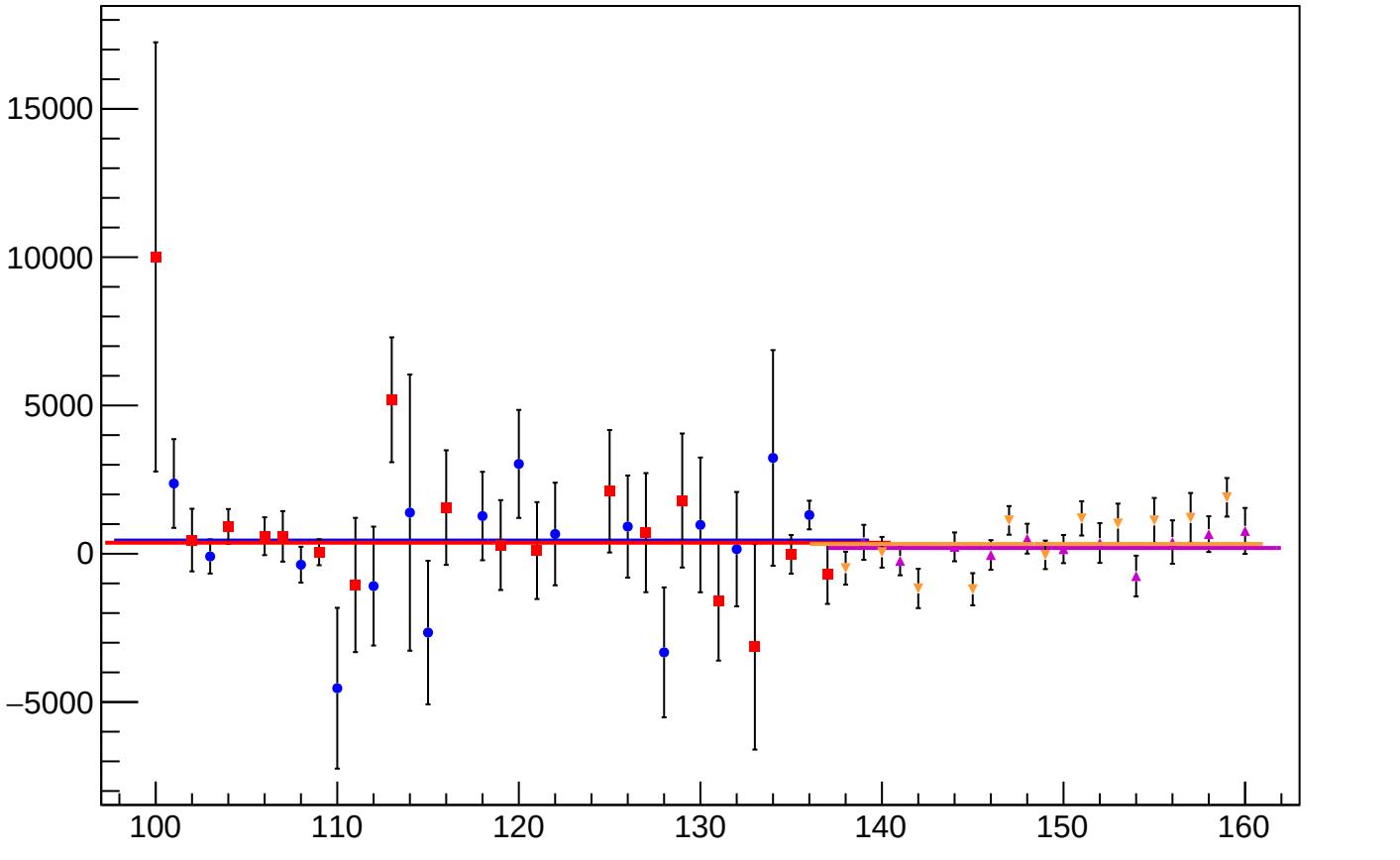
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1612.879+/-0.370 χ^2/NDF:68747.4/10

+ sign 1517.637+/-0.272 χ^2/NDF: 760507.4/26

All: 1513.738+/-0.189 χ^2/NDF: 1346582.4/55

- 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: 329.230+/-176.788 χ^2/NDF:30.1/10

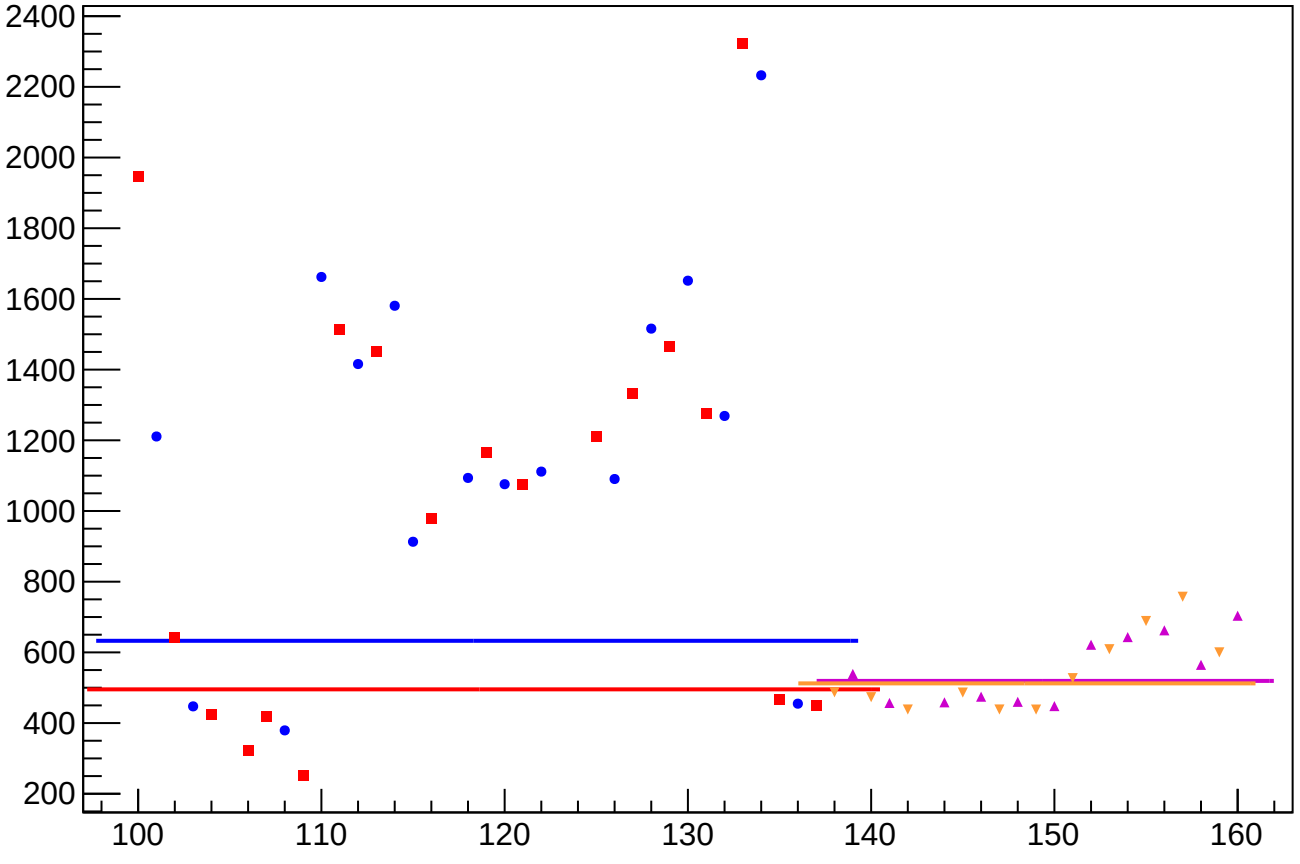
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 194.846+/-170.591 χ^2/NDF:4.7/10

+ sign 363.165+/-148.668 χ^2/NDF: 49.4/26

All: 306.102+/-100.866 χ^2/NDF: 68.8/55

- 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: 512.262+/-0.125 χ^2/NDF:497544.2/10

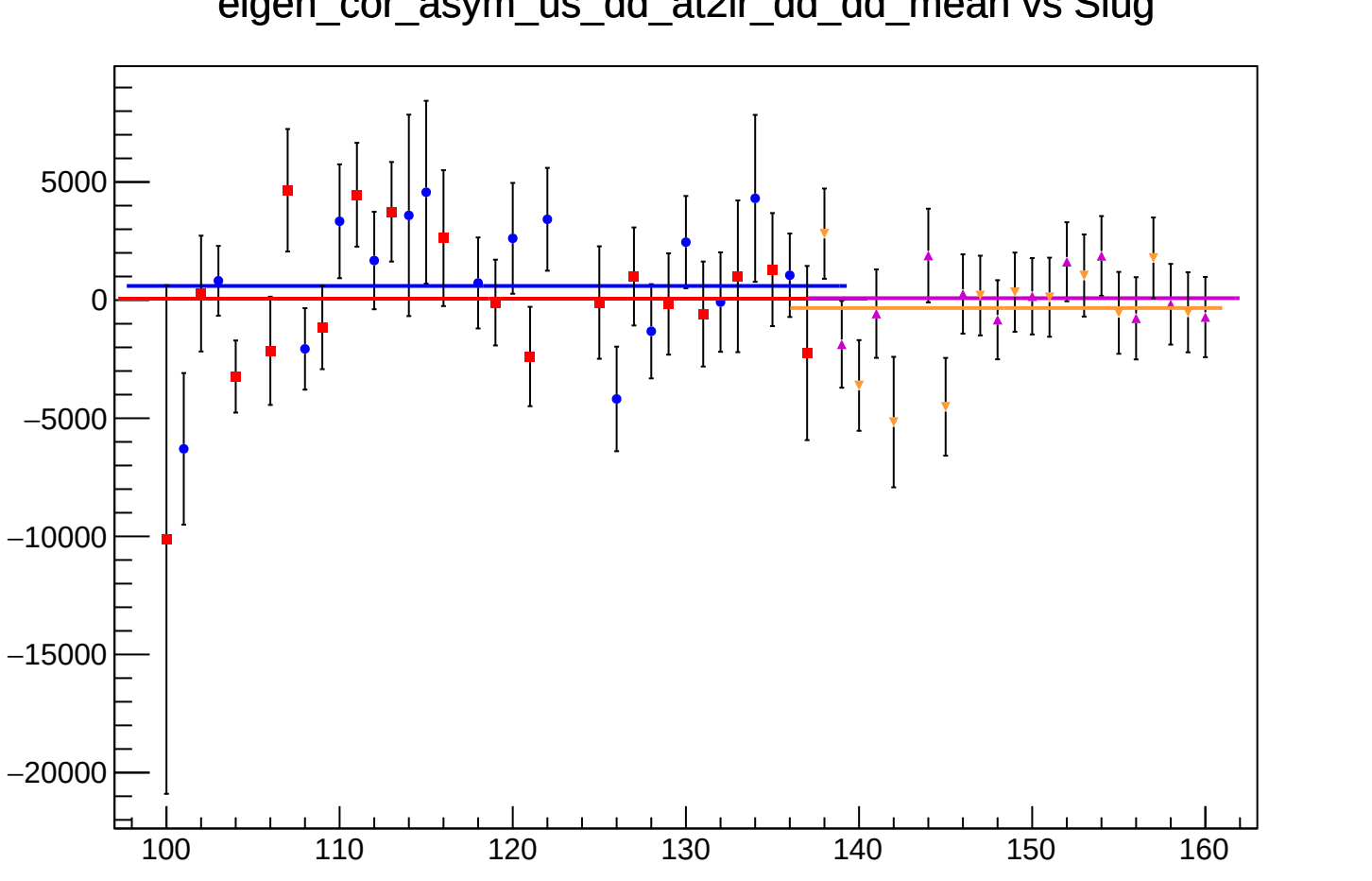
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 519.298+/-0.121 χ^2/NDF:468145.6/10

+ sign 547.544+/-0.105 χ^2/NDF: 4537316.0/26

All: 527.754+/-0.071 χ^2/NDF: 9422462.5/55

- 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: -334.034+/-547.949 χ^2/NDF:15.3/10

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

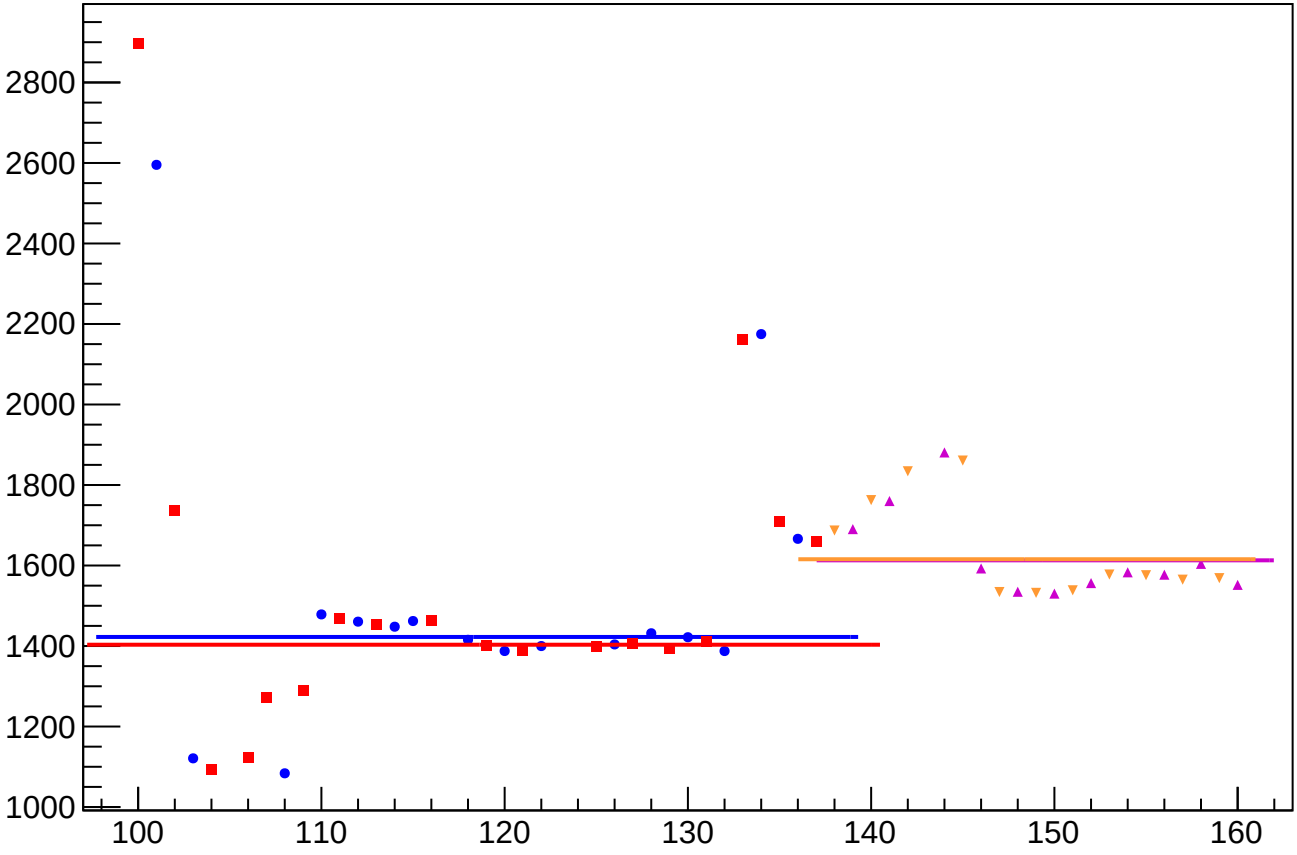
Left In: 82.267+/-522.655 χ^2/NDF:4.8/10

+ sign 139.771+/-384.636 χ^2/NDF: 37.1/26

All: 104.611+/-267.813 χ^2/NDF: 62.3/55

- 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: 1615.561+/-0.387 χ^2/NDF:74325.8/10

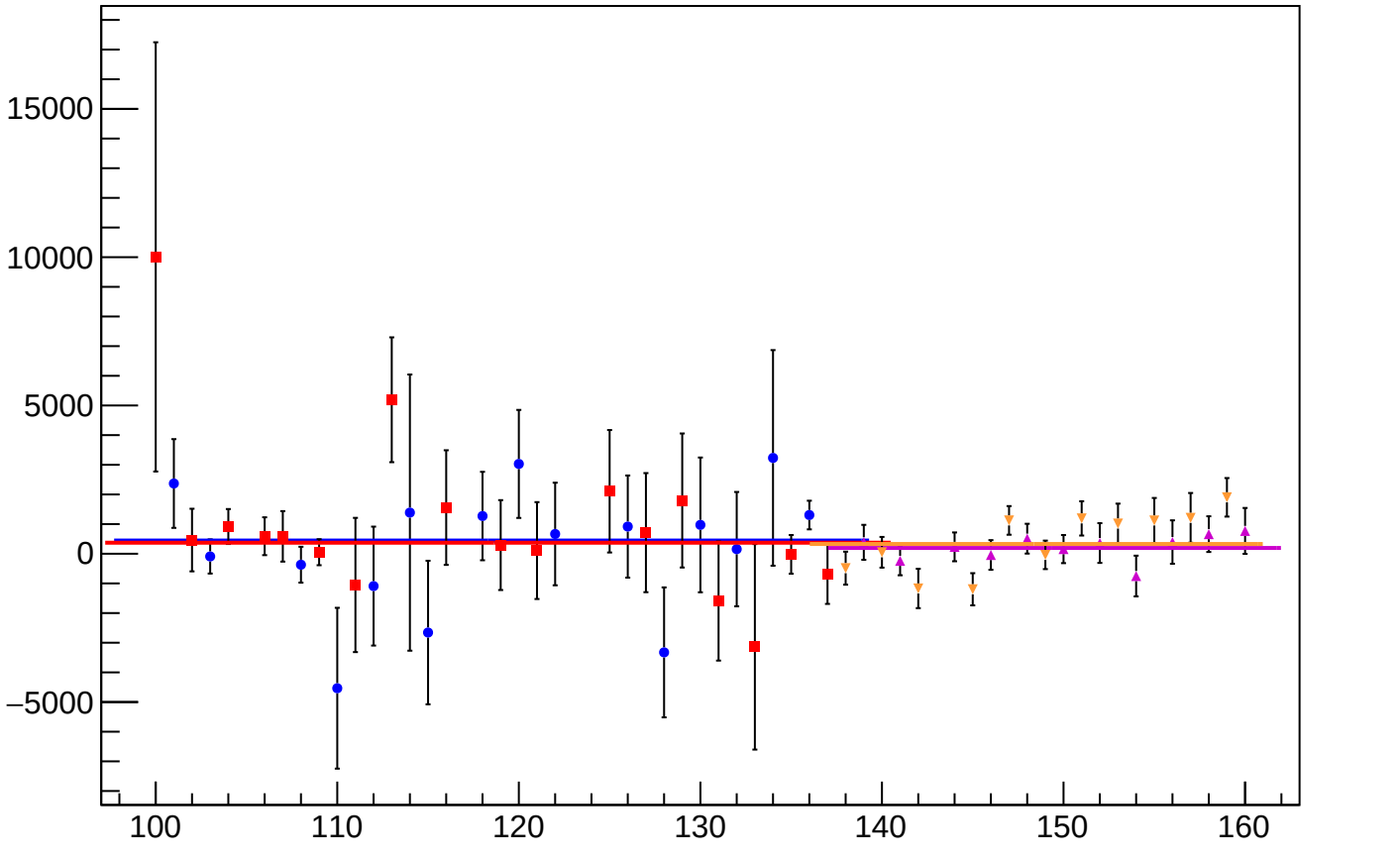
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1612.879+/-0.370 χ^2/NDF:68747.4/10

+ sign 1517.637+/-0.272 χ^2/NDF: 760507.4/26

All: 1513.738+/-0.189 χ^2/NDF: 1346582.4/55

- 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: 329.230+/-176.788 χ^2/NDF:30.1/10

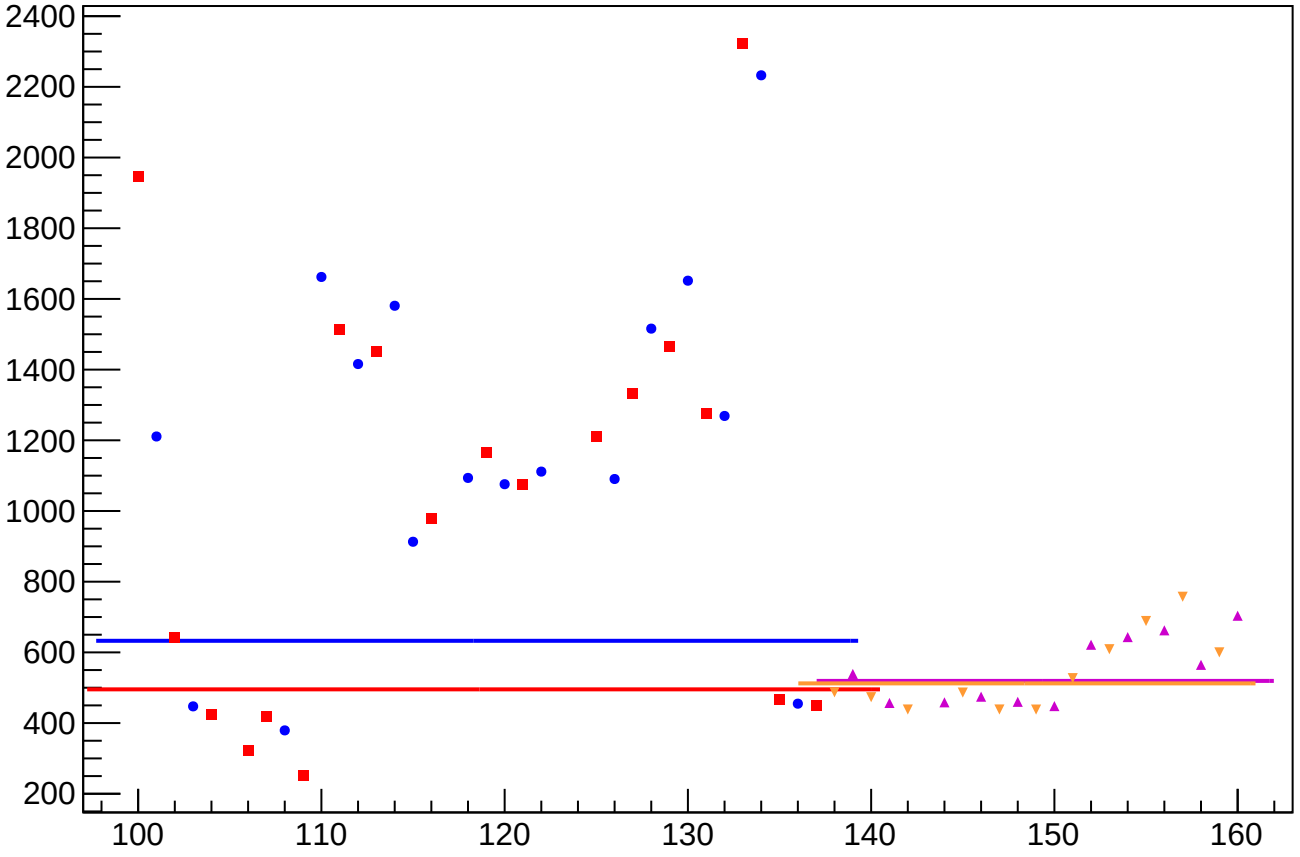
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 194.846+/-170.591 χ^2/NDF:4.7/10

+ sign 363.165+/-148.668 χ^2/NDF: 49.4/26

All: 306.102+/-100.866 χ^2/NDF: 68.8/55

- 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: 512.262+/-0.125 χ^2/NDF:497544.2/10

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

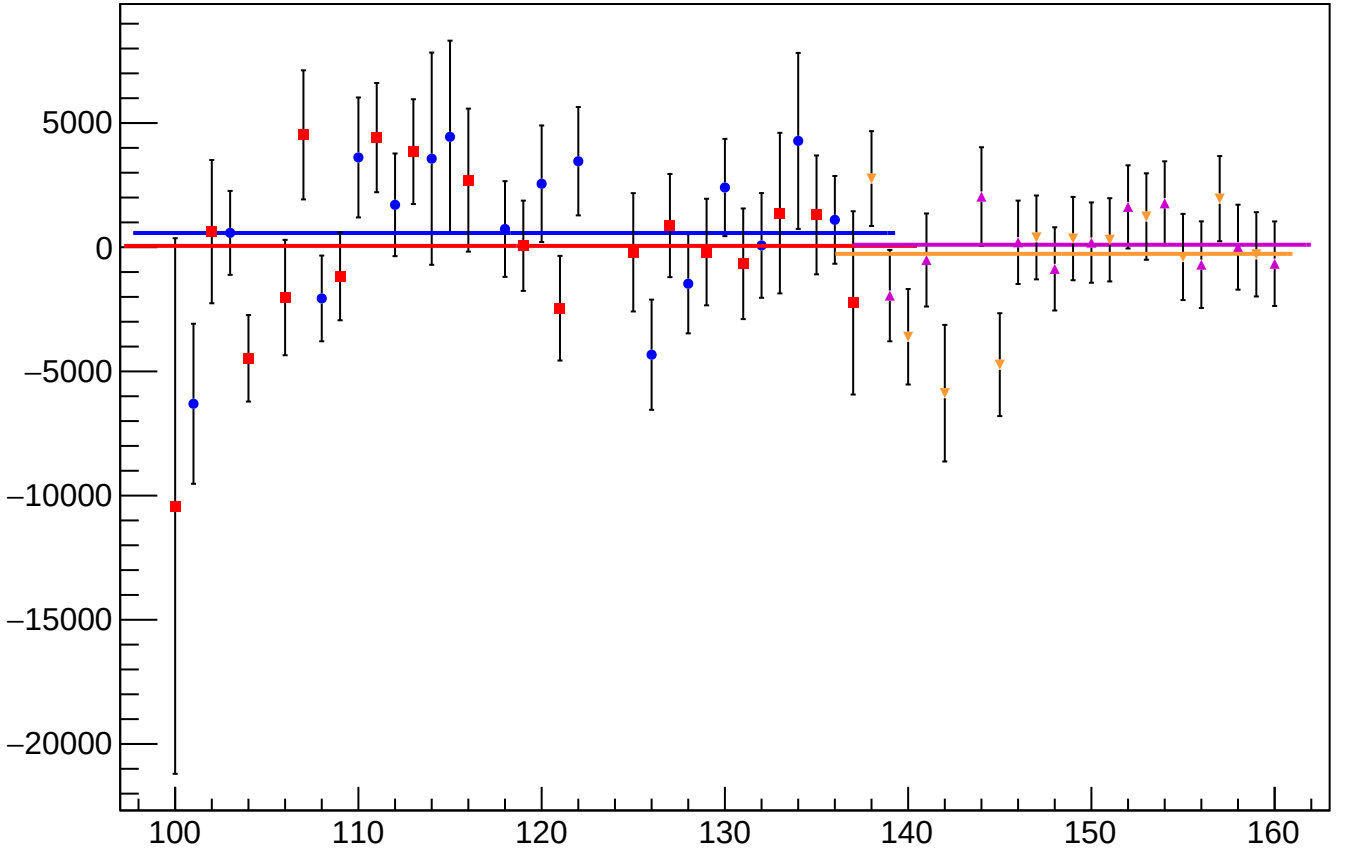
Left In: 519.298+/-0.121 χ^2/NDF:468145.6/10

+ sign 547.544+/-0.105 χ^2/NDF: 4537316.0/26

All: 527.754+/-0.071 χ^2/NDF: 9422462.5/55

- 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: -266.432+/-548.621 χ^2/NDF:17.2/10

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

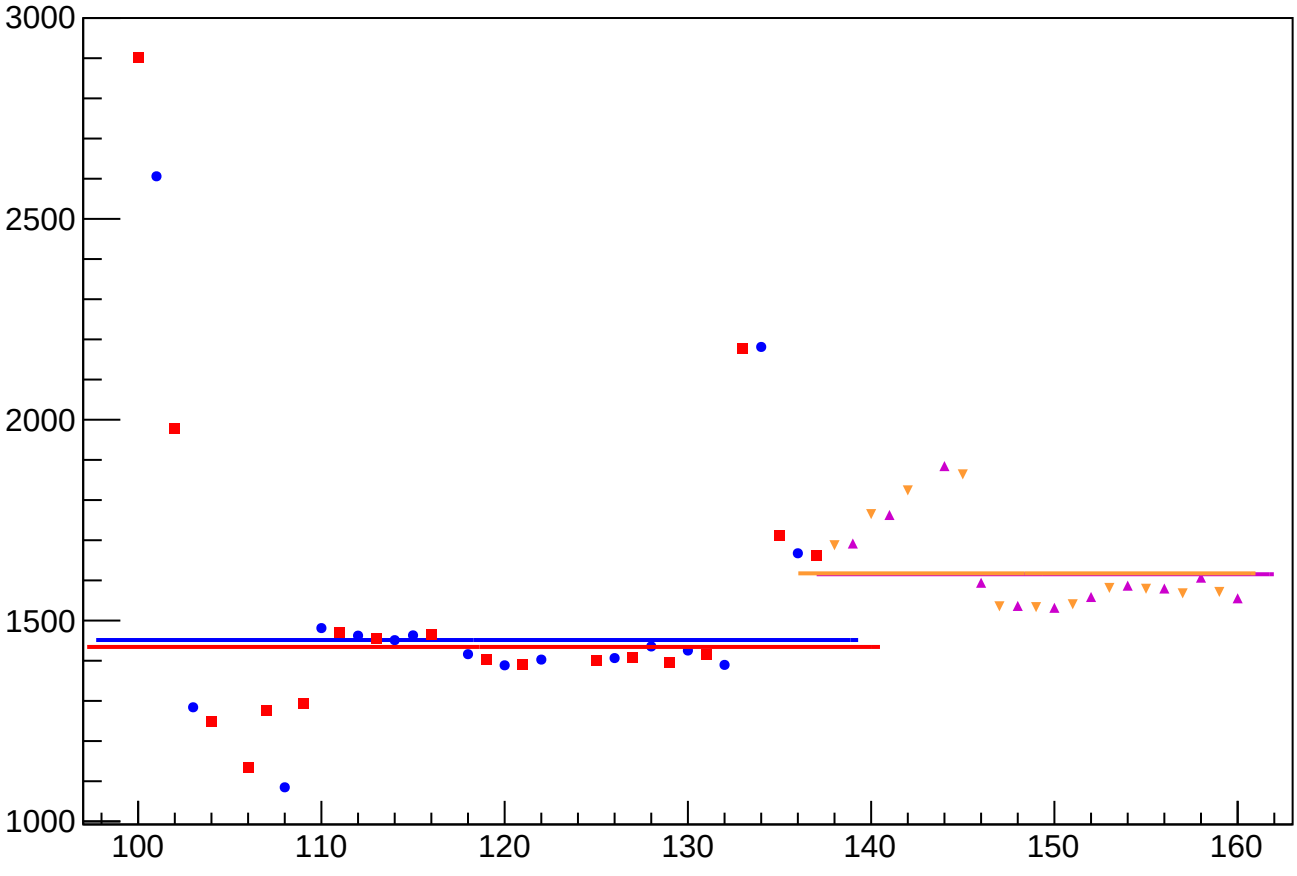
Left In: 100.143+/-523.453 χ^2/NDF:4.9/10

+ sign 152.152+/-388.293 χ^2/NDF: 39.1/26

All: 113.993+/-270.720 χ^2/NDF: 66.5/55

- 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: 1617.505+/-0.388 χ^2/NDF:73030.4/10

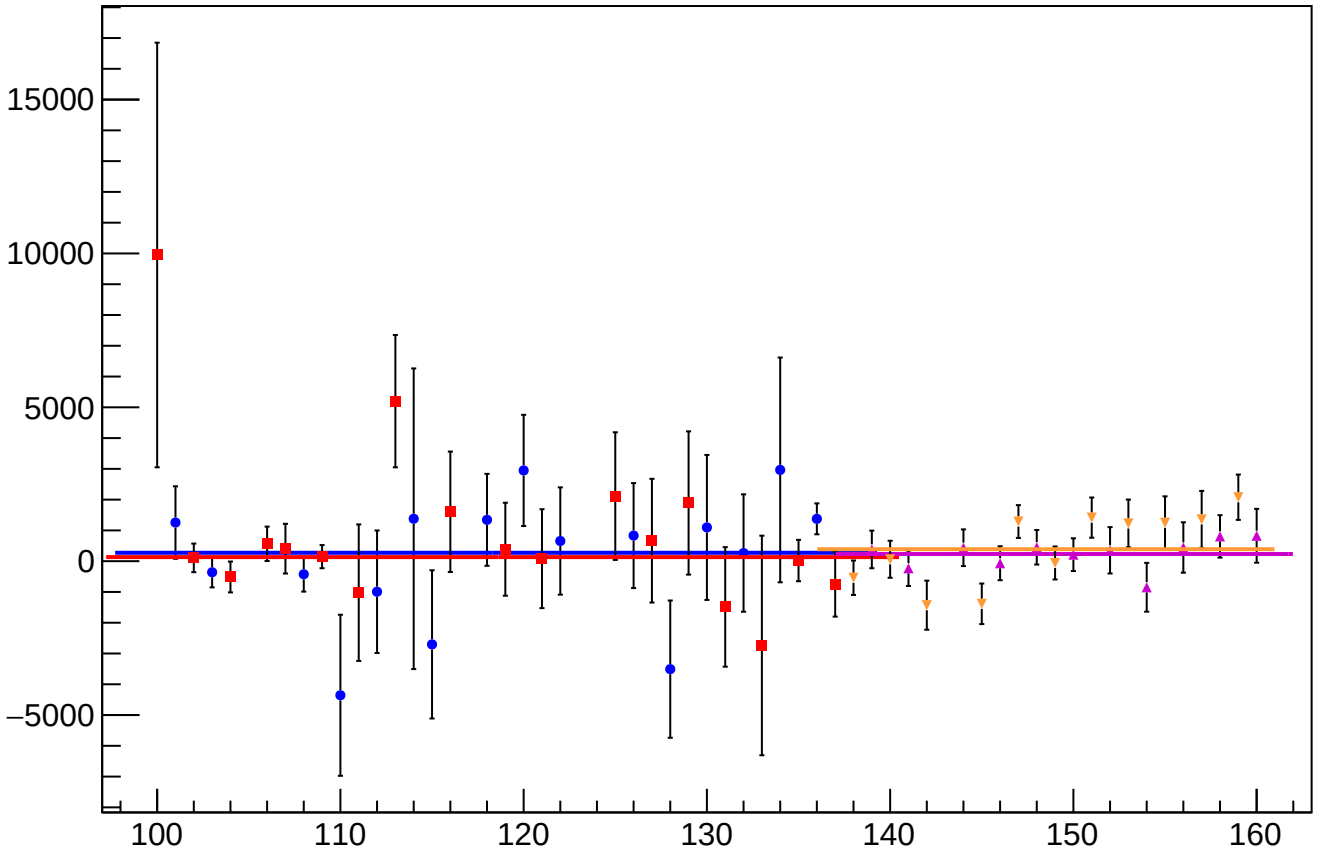
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1615.324+/-0.370 χ^2/NDF:68886.4/10

+ sign 1534.695+/-0.275 χ^2/NDF: 652168.4/26

All: 1531.527+/-0.191 χ^2/NDF: 1164575.3/55

- 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: 388.802+/-199.213 χ^2/NDF:30.0/10

Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

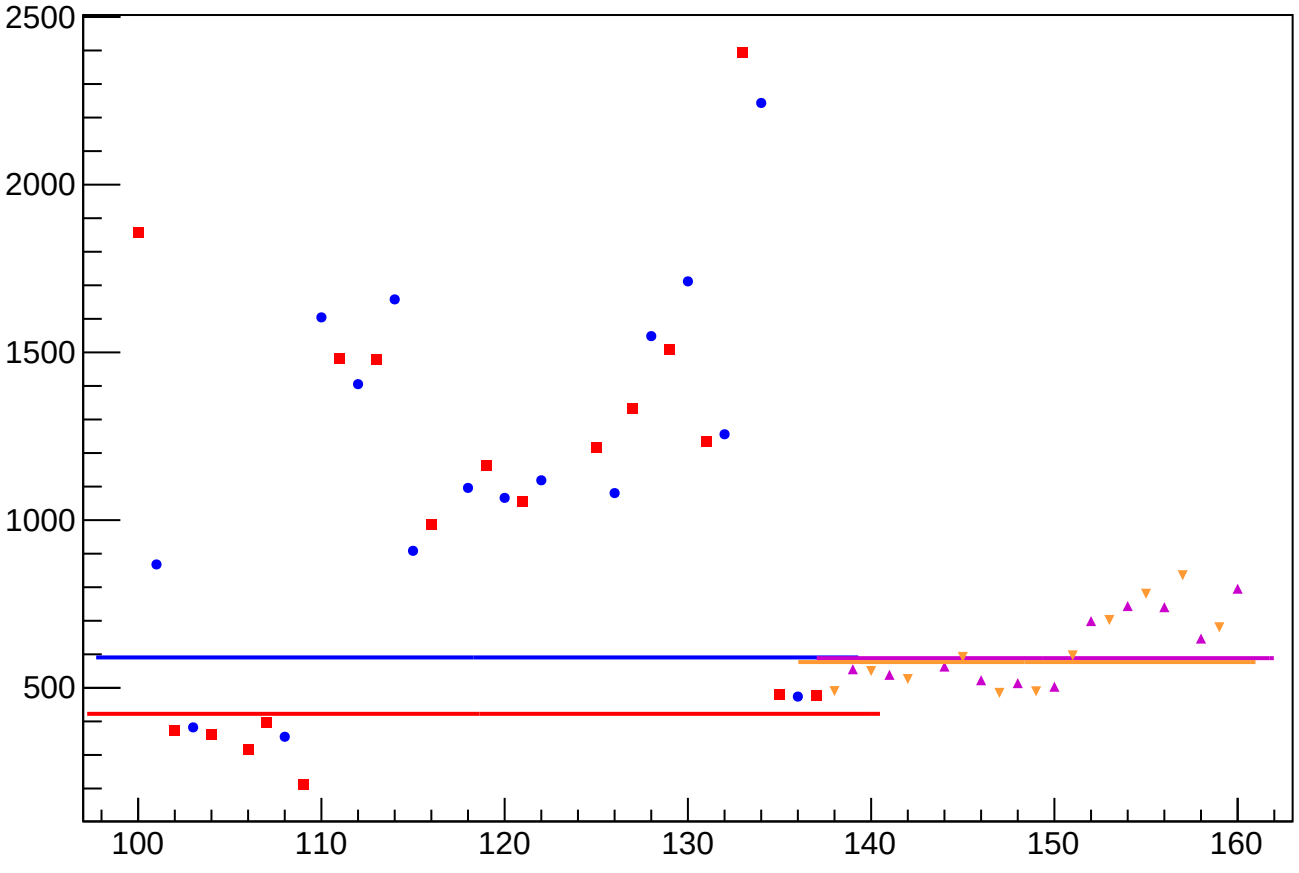
Left In: 232.678+/-193.283 χ^2/NDF:4.4/10

+ sign 346.239+/-158.253 χ^2/NDF: 50.4/26

All: 253.454+/-103.837 χ^2/NDF: 69.9/55

- 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: 576.969+/-0.141 χ^2/NDF:535669.3/10

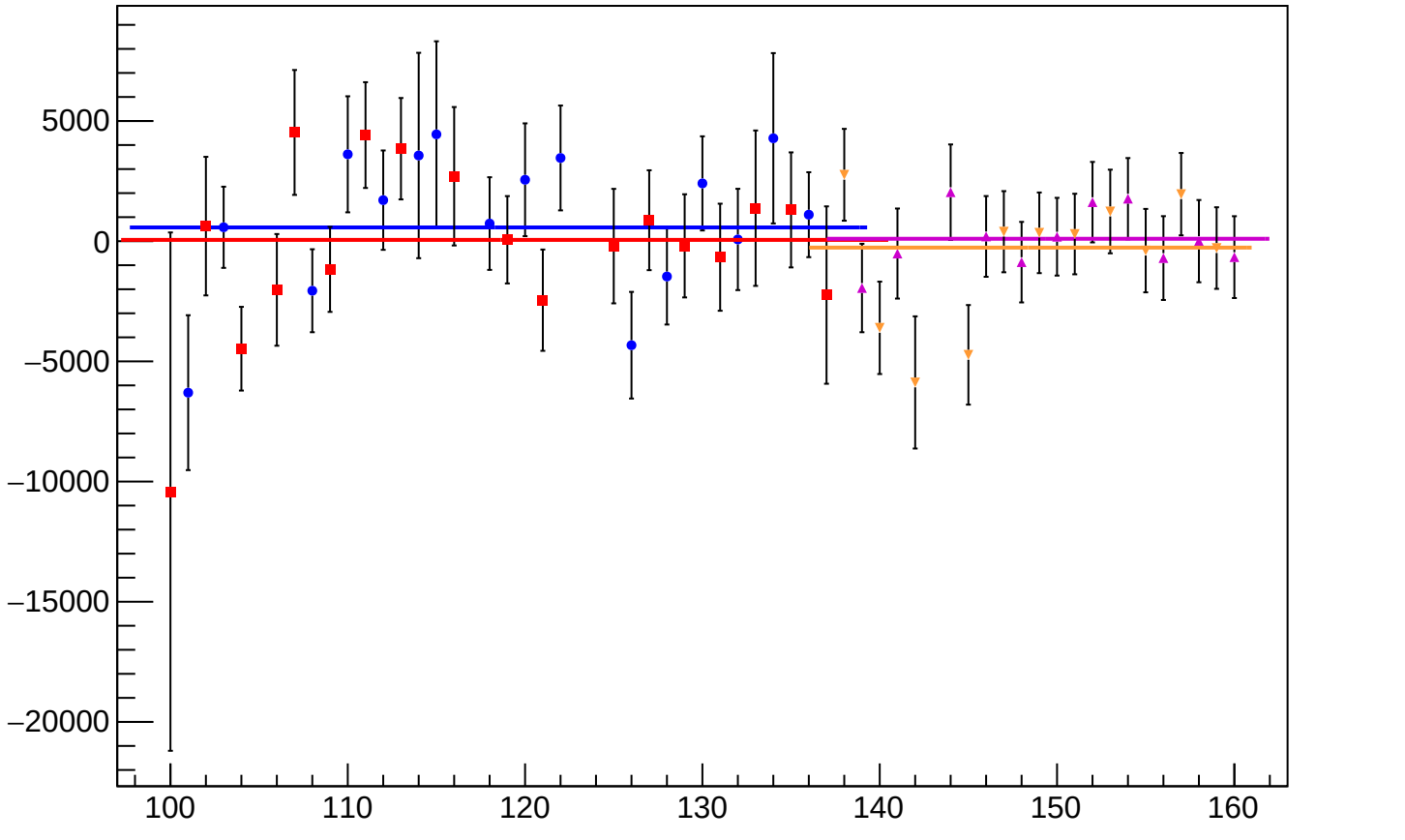
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 588.580+/-0.137 χ^2/NDF:454133.0/10

+ sign 582.053+/-0.112 χ^2/NDF: 4424702.2/26

All: 539.161+/-0.073 χ^2/NDF: 10721979.6/55

- sign 506.734+/-0.097 χ^2/NDF: 6039285.1/28



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -266.439+/-548.621 χ^2/NDF:17.2/10

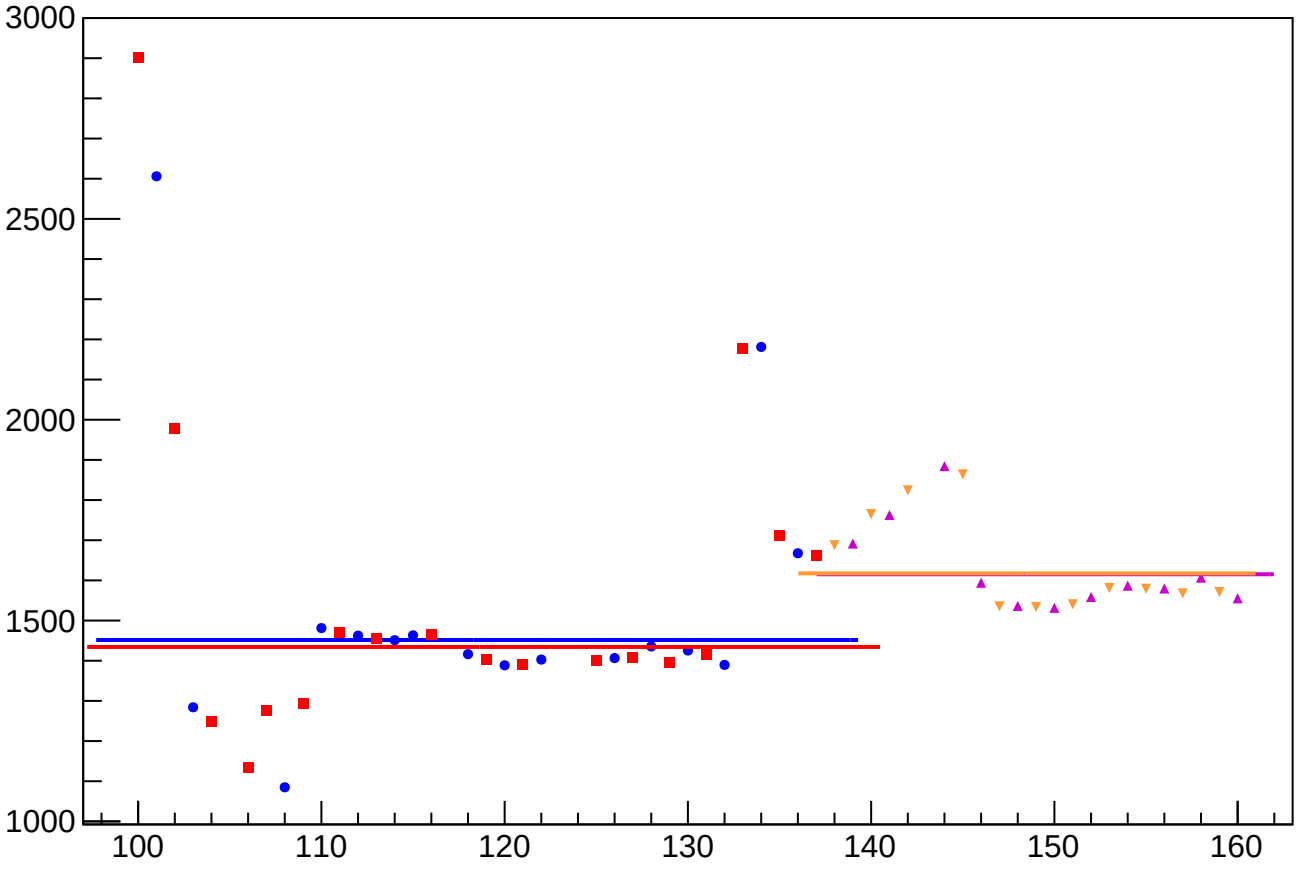
Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 100.144+/-523.453 χ^2/NDF:4.9/10

+ sign 152.149+/-388.293 χ^2/NDF: 39.1/26

All: 113.992+/-270.720 χ^2/NDF: 66.5/55

- sign 77.898+/-377.642 χ^2/NDF: 27.4/28



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1617.505+/-0.388 χ^2/NDF:73030.5/10

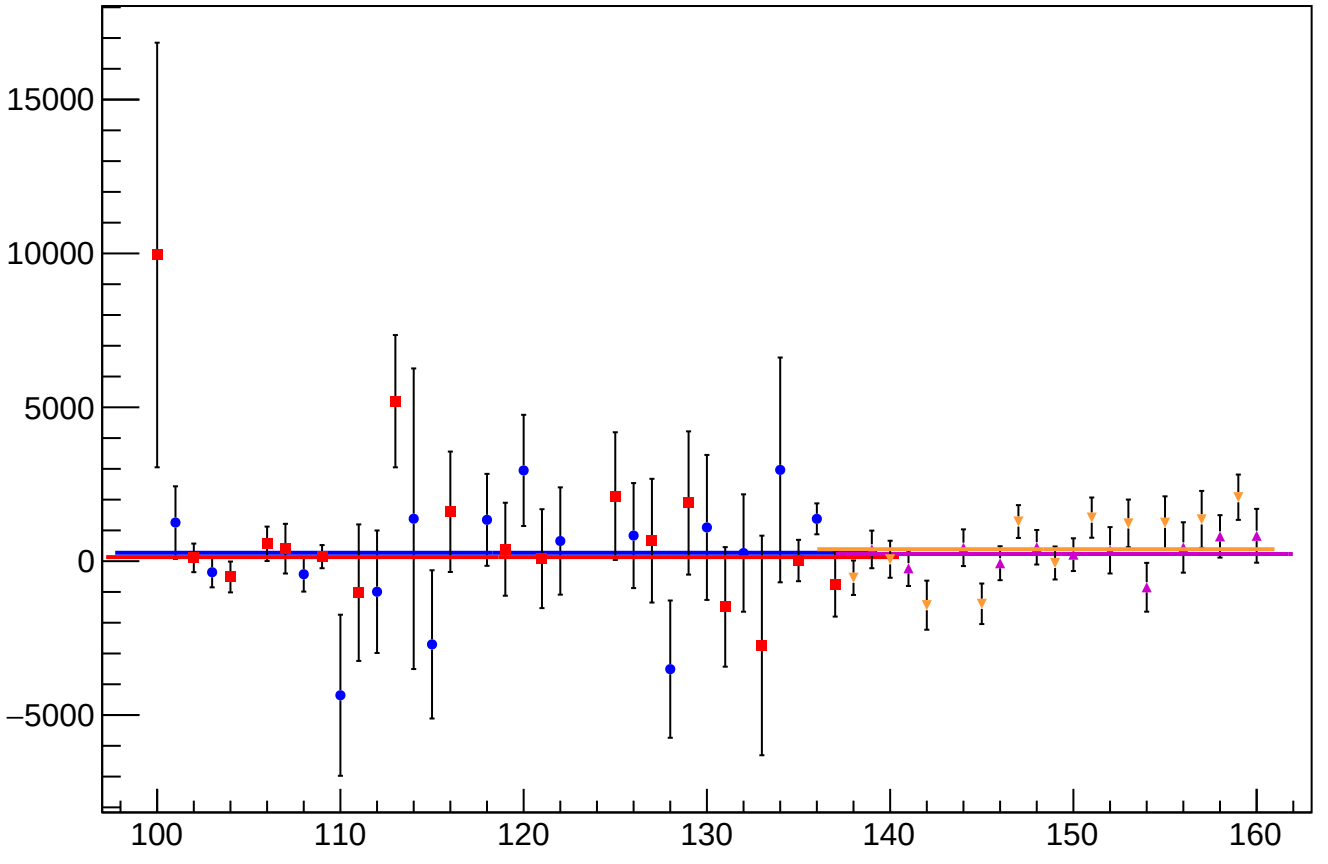
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1615.324+/-0.370 χ^2/NDF:68886.5/10

+ sign 1534.696+/-0.275 χ^2/NDF: 652168.2/26

All: 1531.527+/-0.191 χ^2/NDF: 1164575.4/55

- 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: 388.810+/-199.214 χ^2/NDF:30.0/10

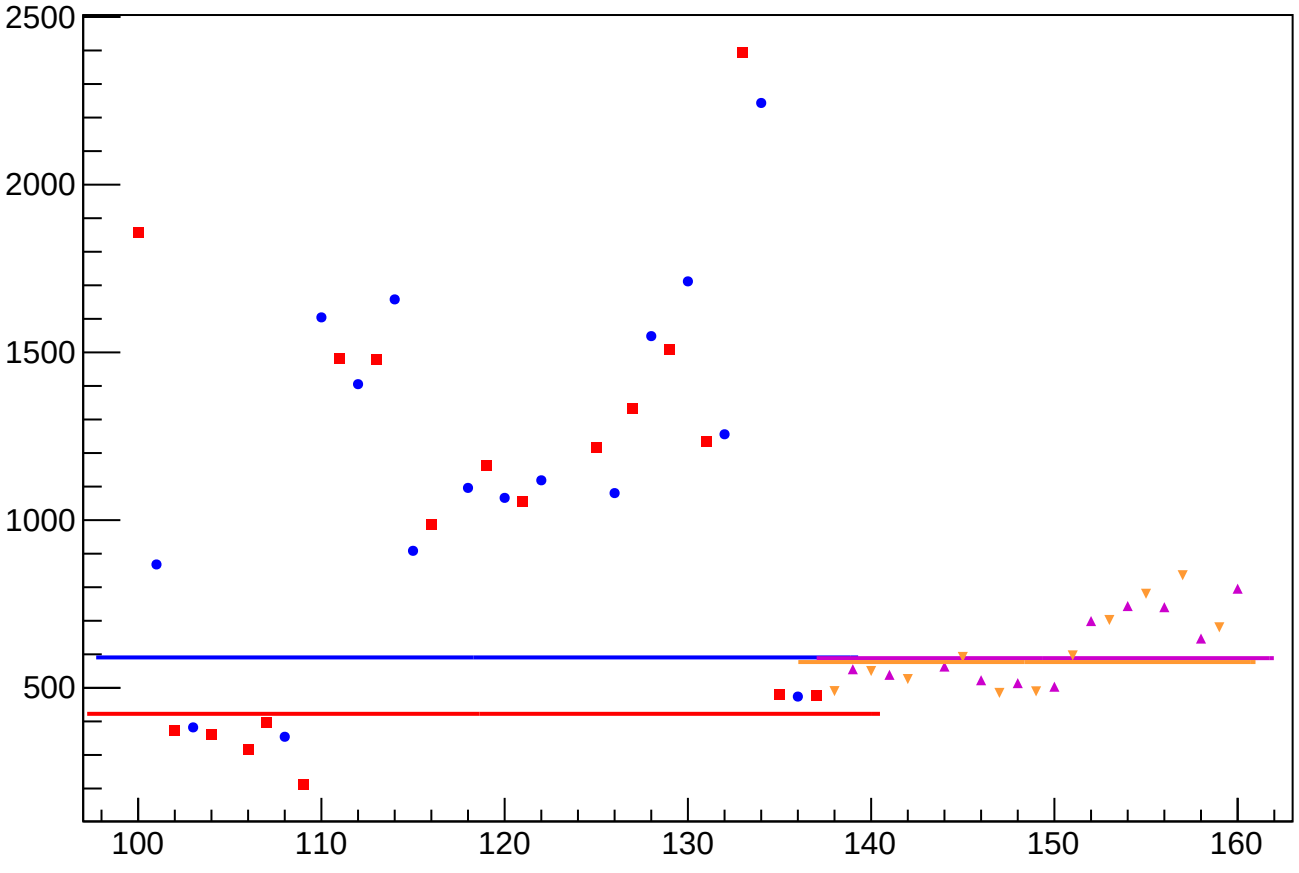
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 232.681+/-193.284 χ^2/NDF:4.4/10

+ sign 346.240+/-158.253 χ^2/NDF: 50.4/26

All: 253.454+/-103.838 χ^2/NDF: 69.9/55

- 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: 576.973+/-0.141 χ^2/NDF:535668.6/10

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

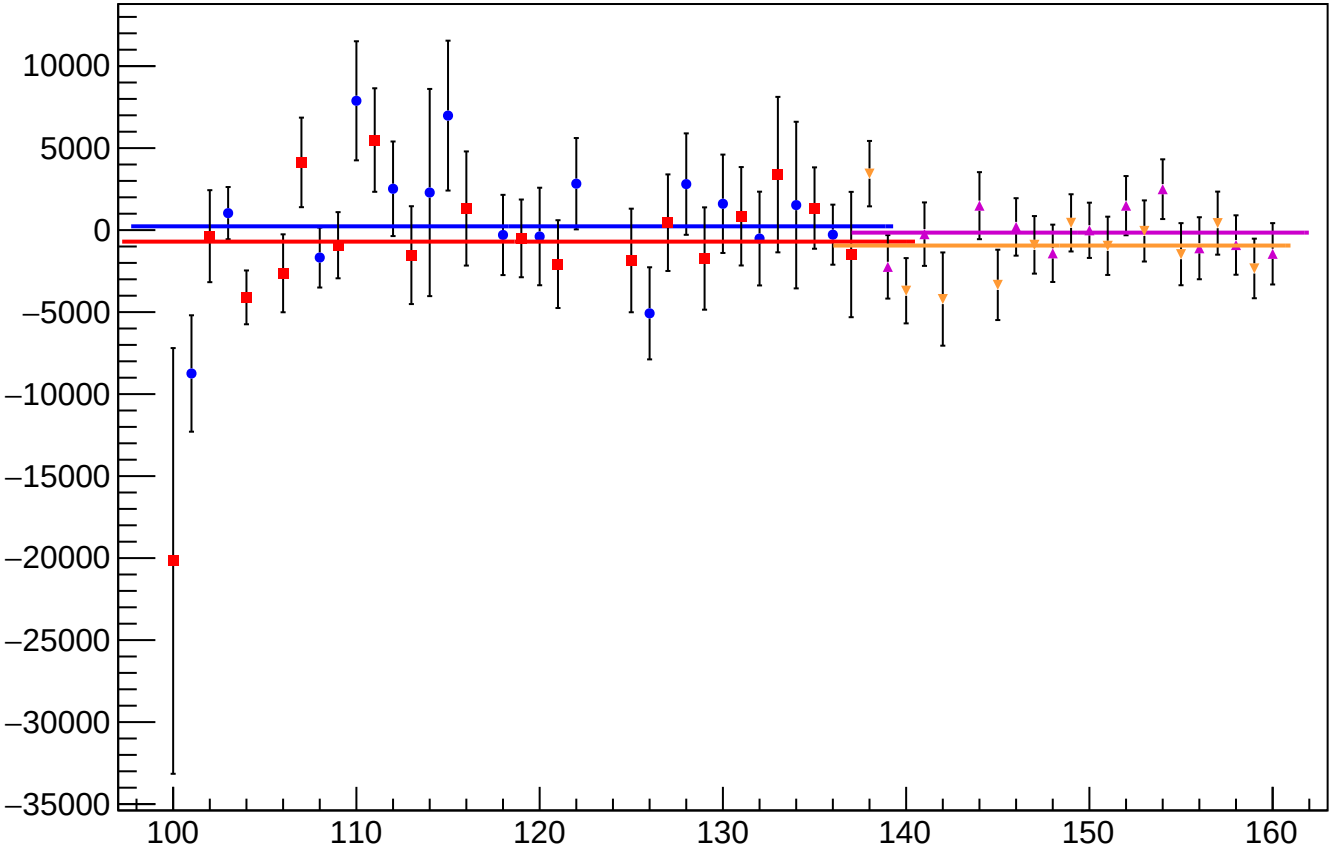
Left In: 588.581+/-0.137 χ^2/NDF:454162.1/10

+ sign 582.055+/-0.112 χ^2/NDF: 4424726.9/26

All: 539.164+/-0.073 χ^2/NDF: 10721893.3/55

- sign 506.738+/-0.097 χ^2/NDF: 6039189.6/28

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -941.260+/-581.687 χ^2/NDF:11.4/10

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

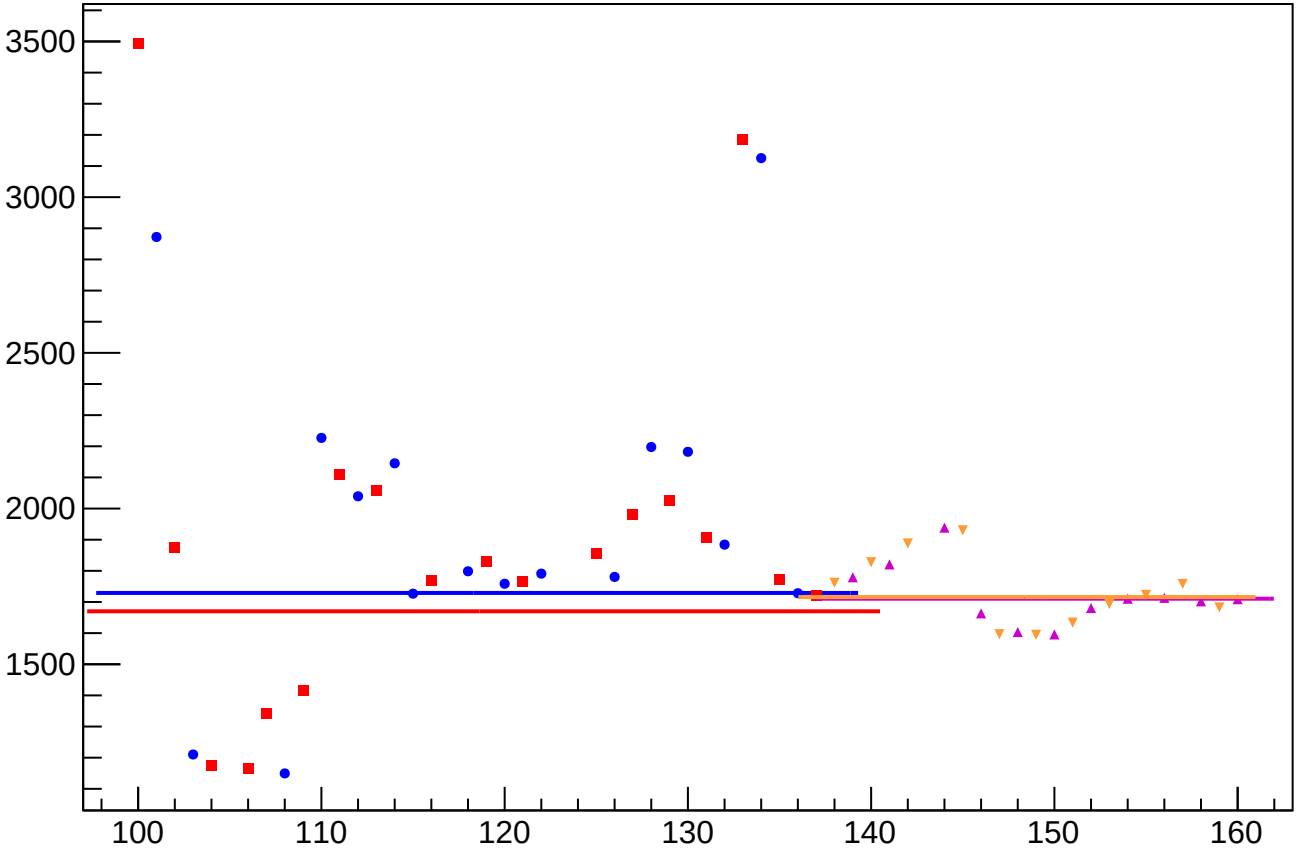
Left In: -153.786+/-554.089 χ^2/NDF:6.2/10

+ sign -434.297+/-438.179 χ^2/NDF: 33.8/26

All: -408.835+/-303.663 χ^2/NDF: 57.5/55

- 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: 1715.775+/-0.411 χ^2/NDF:59823.9/10

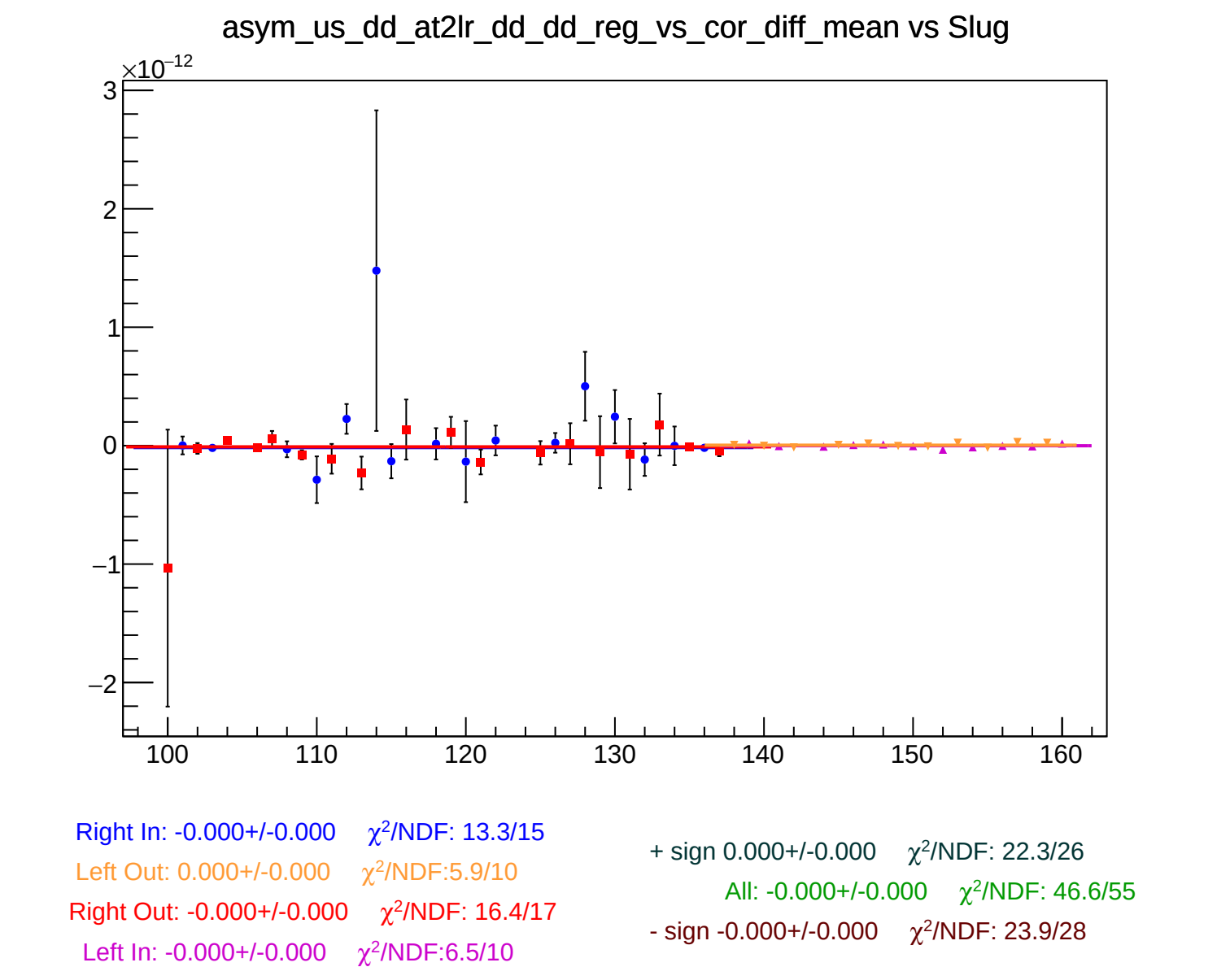
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

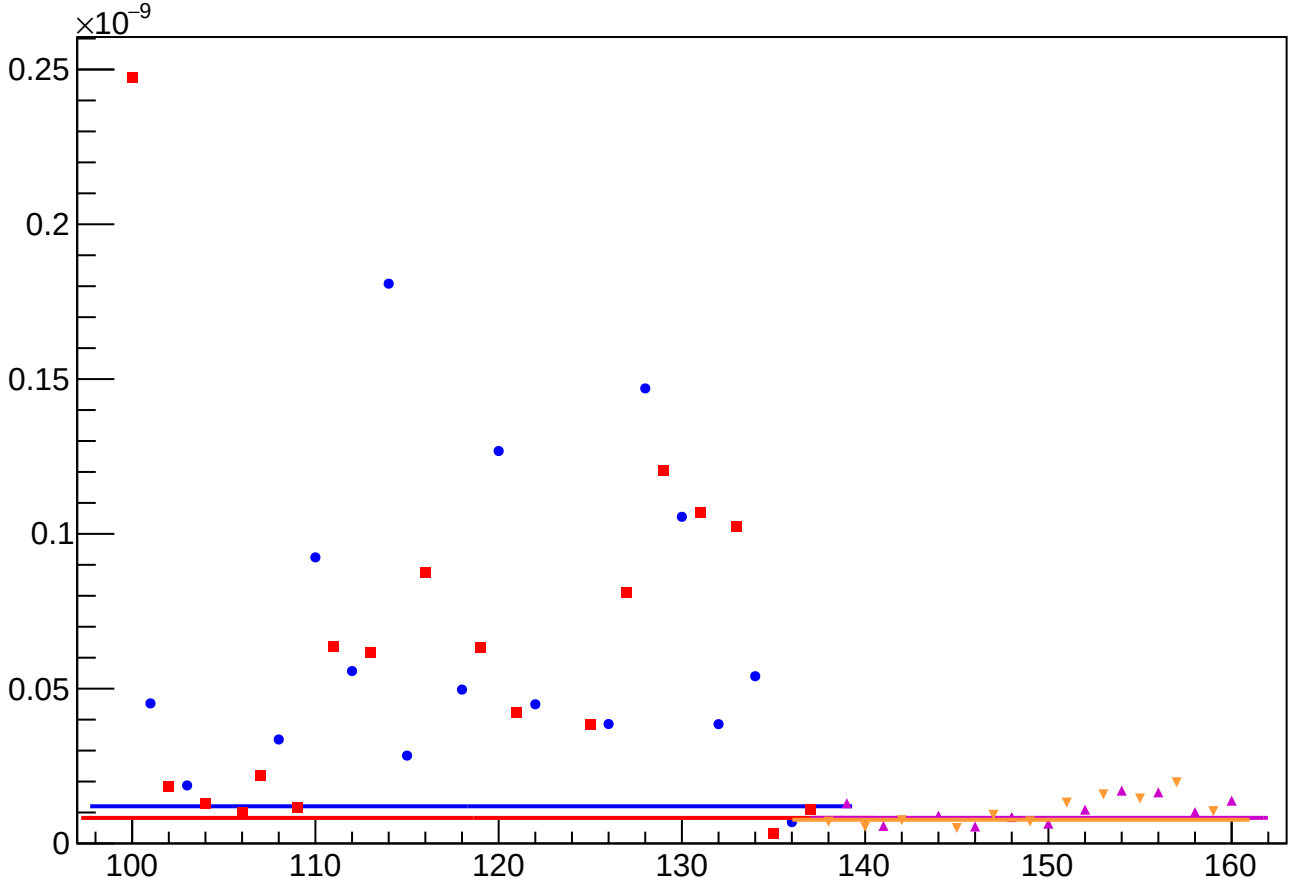
Left In: 1710.582+/-0.392 χ^2/NDF:52776.6/10

+ sign 1721.517+/-0.310 χ^2/NDF: 1002353.6/26

All: 1706.943+/-0.215 χ^2/NDF: 1808355.3/55

- 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:5.9/10
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: 22.3/26
All: -0.000+/-0.000 χ²/NDF: 46.6/55
- 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:1100292.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

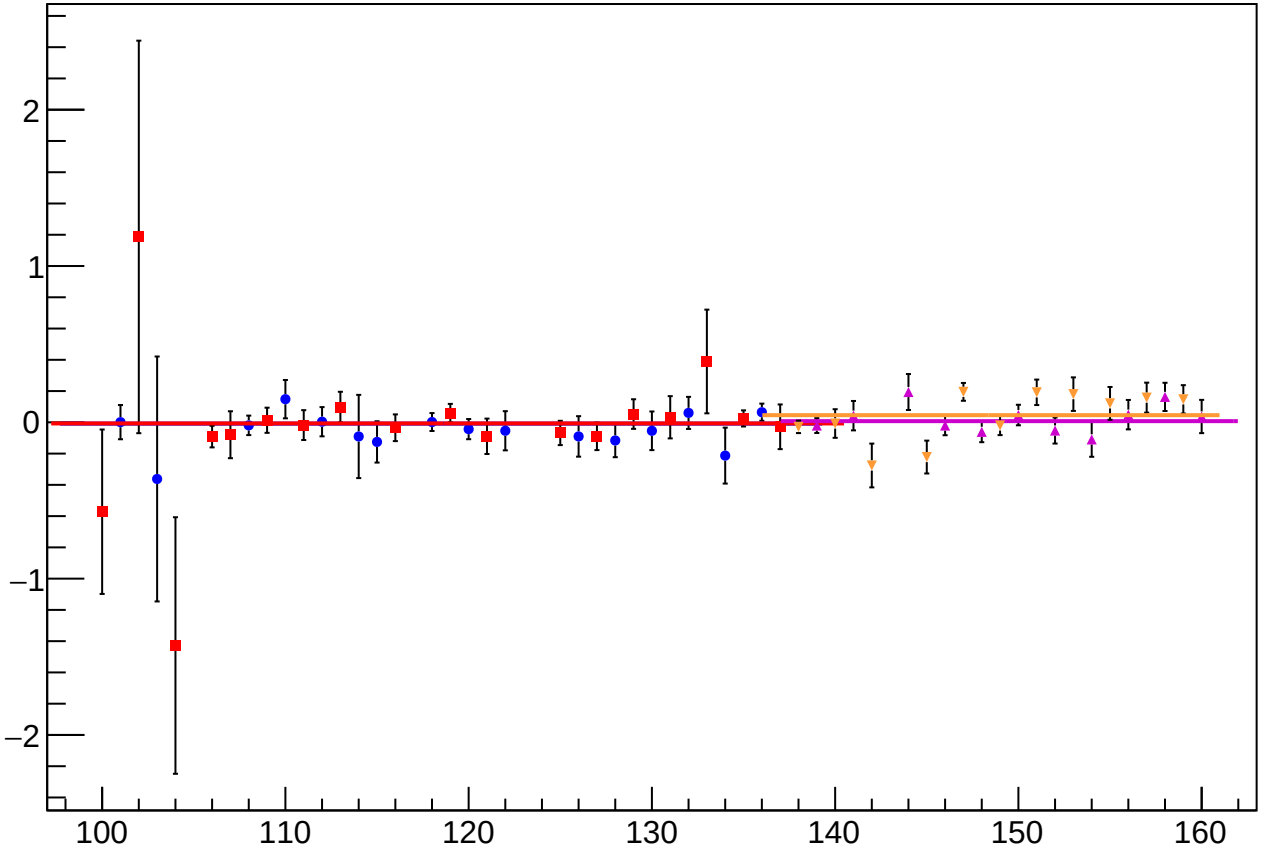
Left In: 0.000+/-0.000 χ^2/NDF:1016530.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 4828319.5/26

All: 0.000+/-0.000 χ^2/NDF: 9355415.7/55

- 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: 0.046+/-0.022 χ^2/NDF:31.5/10

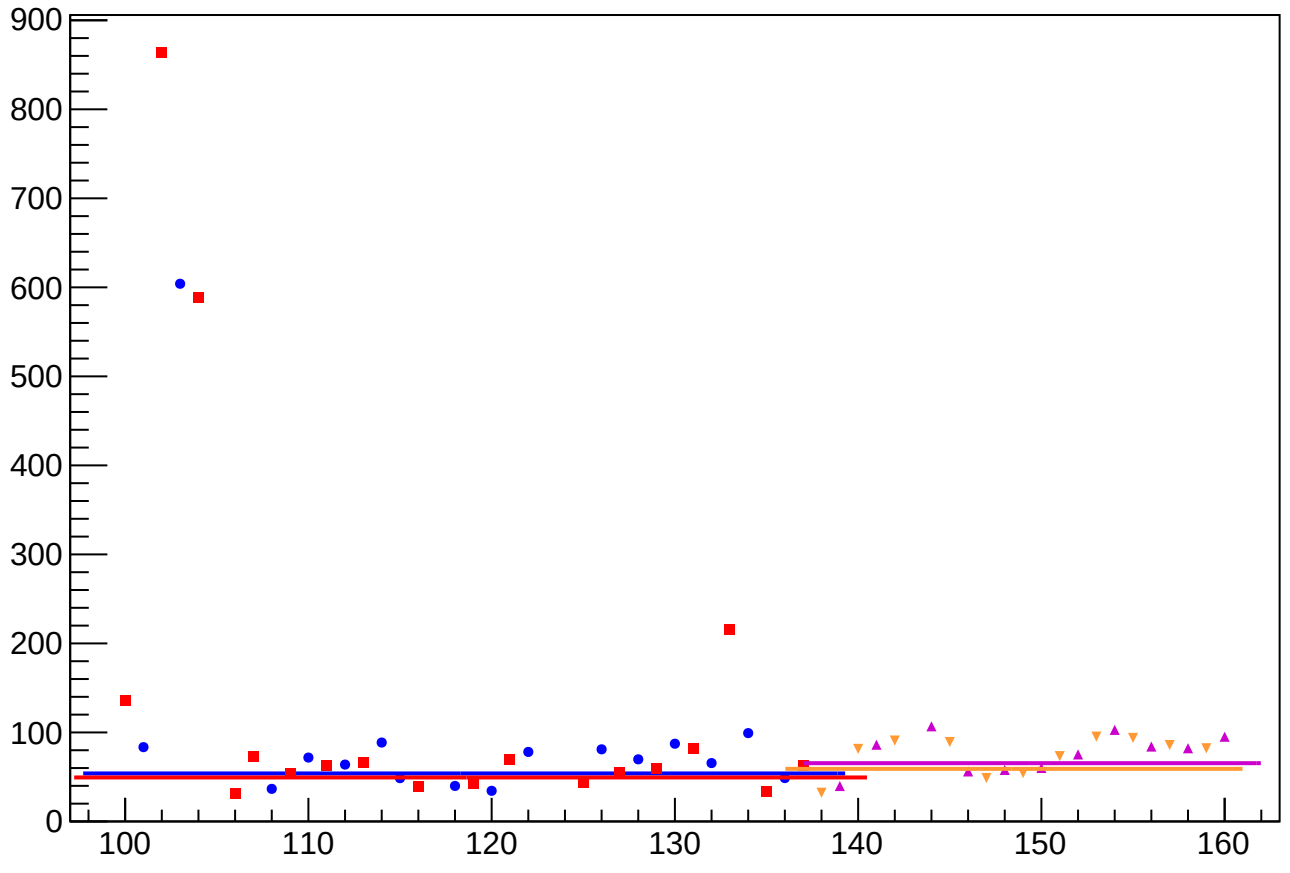
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.023 χ^2/NDF:9.6/10

+ sign 0.020+/-0.016 χ^2/NDF: 42.6/26

All: 0.010+/-0.011 χ^2/NDF: 66.9/55

- 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: 59.082+/-0.016 χ^2/NDF:2162142.3/10

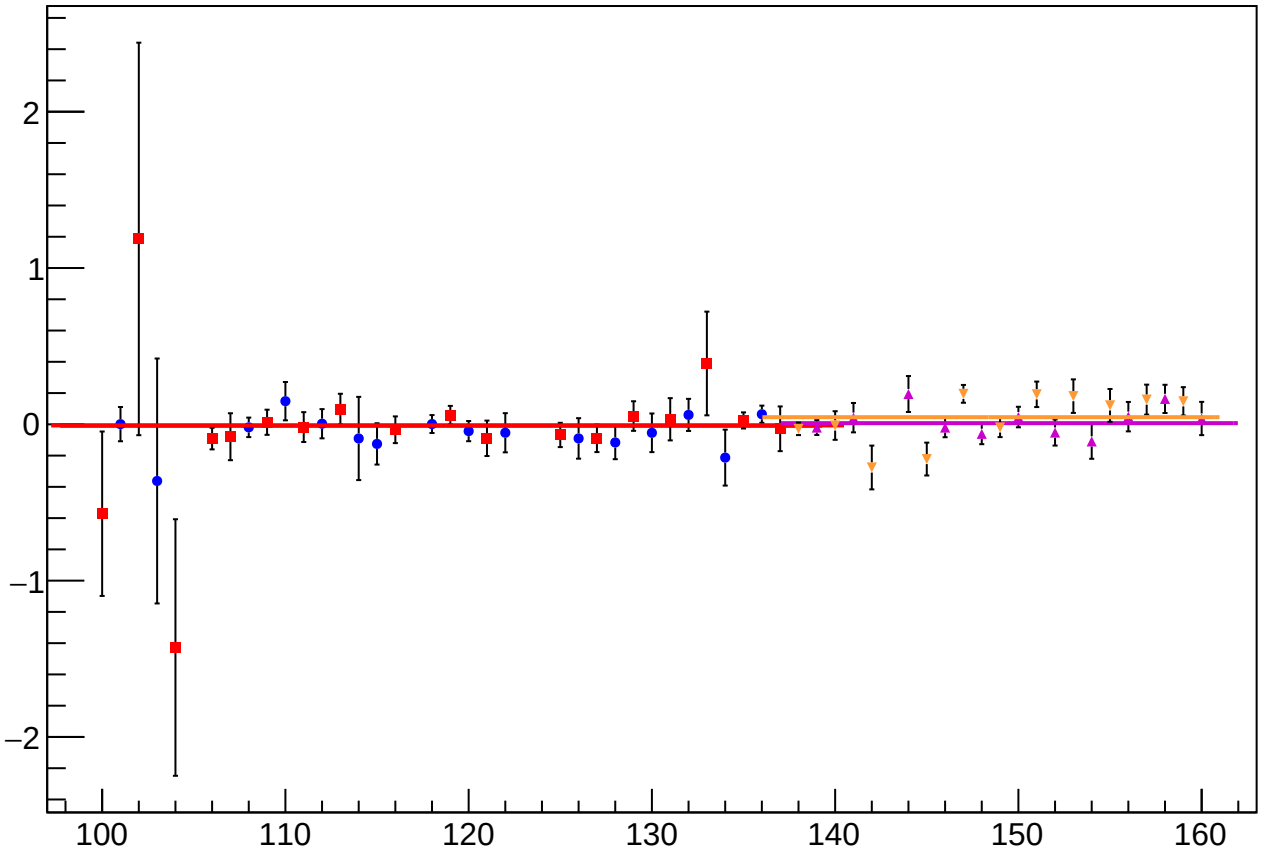
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 65.476+/-0.016 χ^2/NDF:1579688.9/10

\+ sign 56.599+/-0.011 χ^2/NDF: 4428103.8/26

All: 56.896+/-0.008 χ^2/NDF: 9532177.3/55

\- 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: 0.046+/-0.022 χ^2/NDF:31.5/10

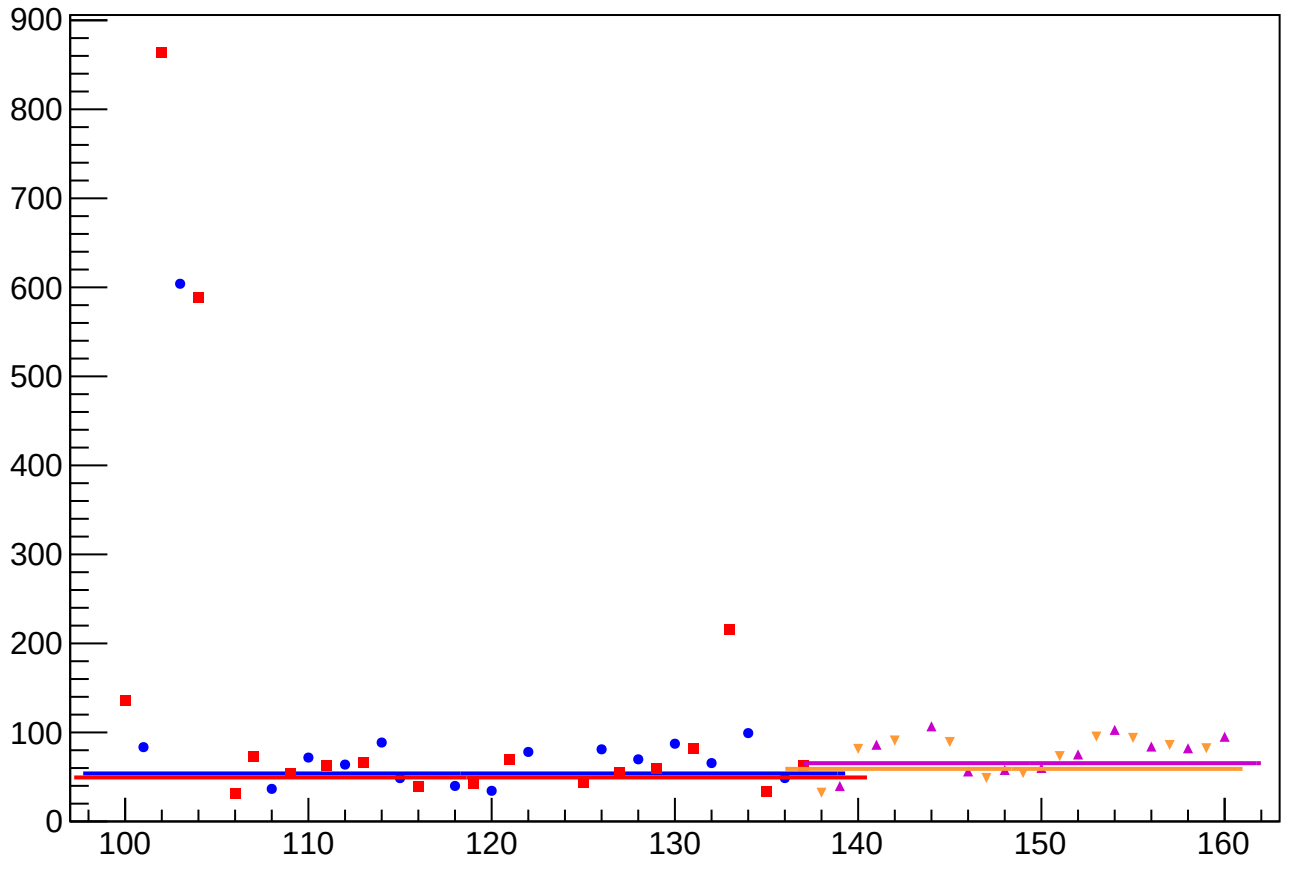
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.023 χ^2/NDF:9.6/10

+ sign 0.020+/-0.016 χ^2/NDF: 42.6/26

All: 0.010+/-0.011 χ^2/NDF: 66.9/55

- 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: 59.082+/-0.016 χ^2/NDF:2162142.3/10

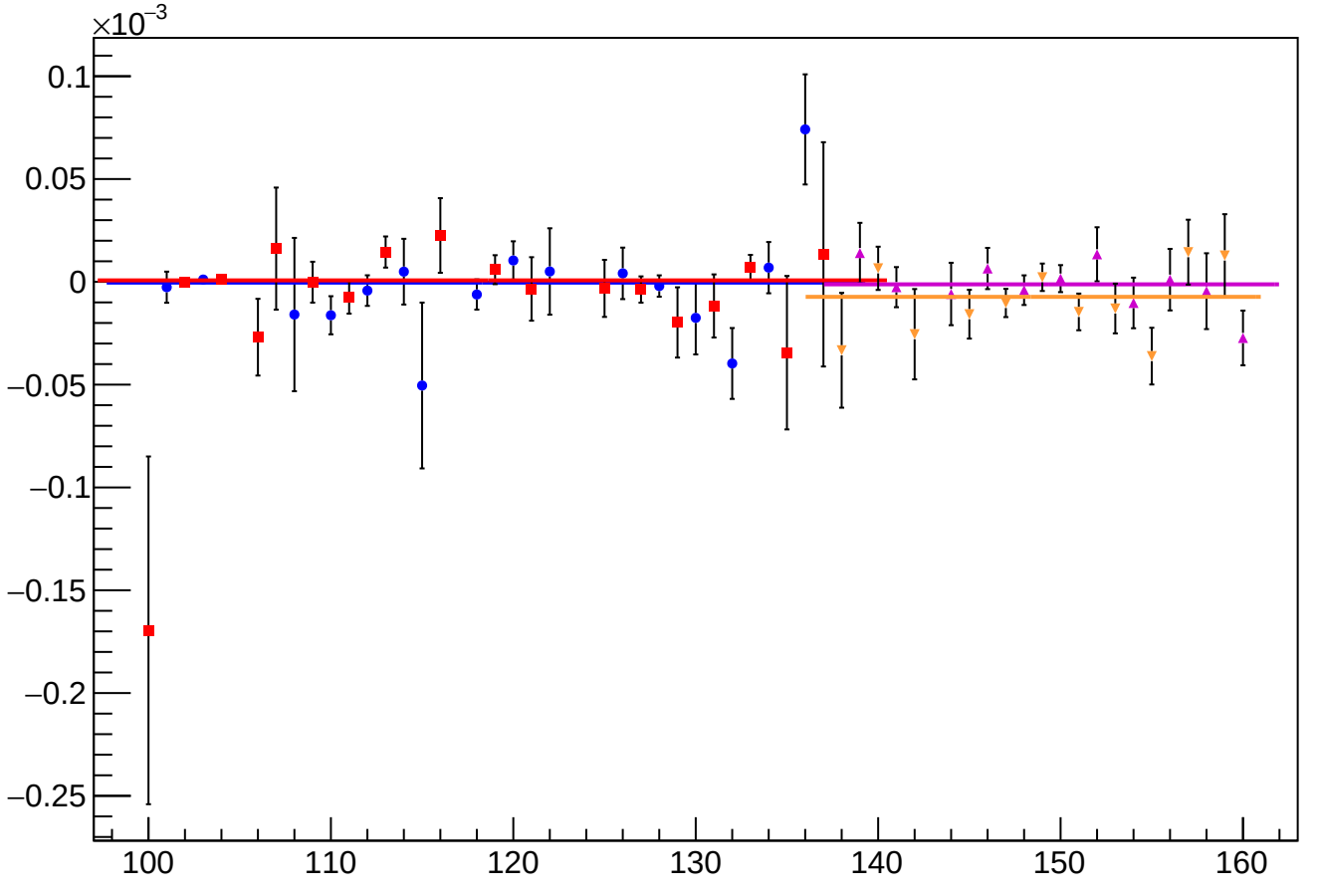
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 65.476+/-0.016 χ^2/NDF:1579688.9/10

+ sign 56.599+/-0.011 χ^2/NDF: 4428103.8/26

All: 56.896+/-0.008 χ^2/NDF: 9532177.3/55

- 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:14.2/10

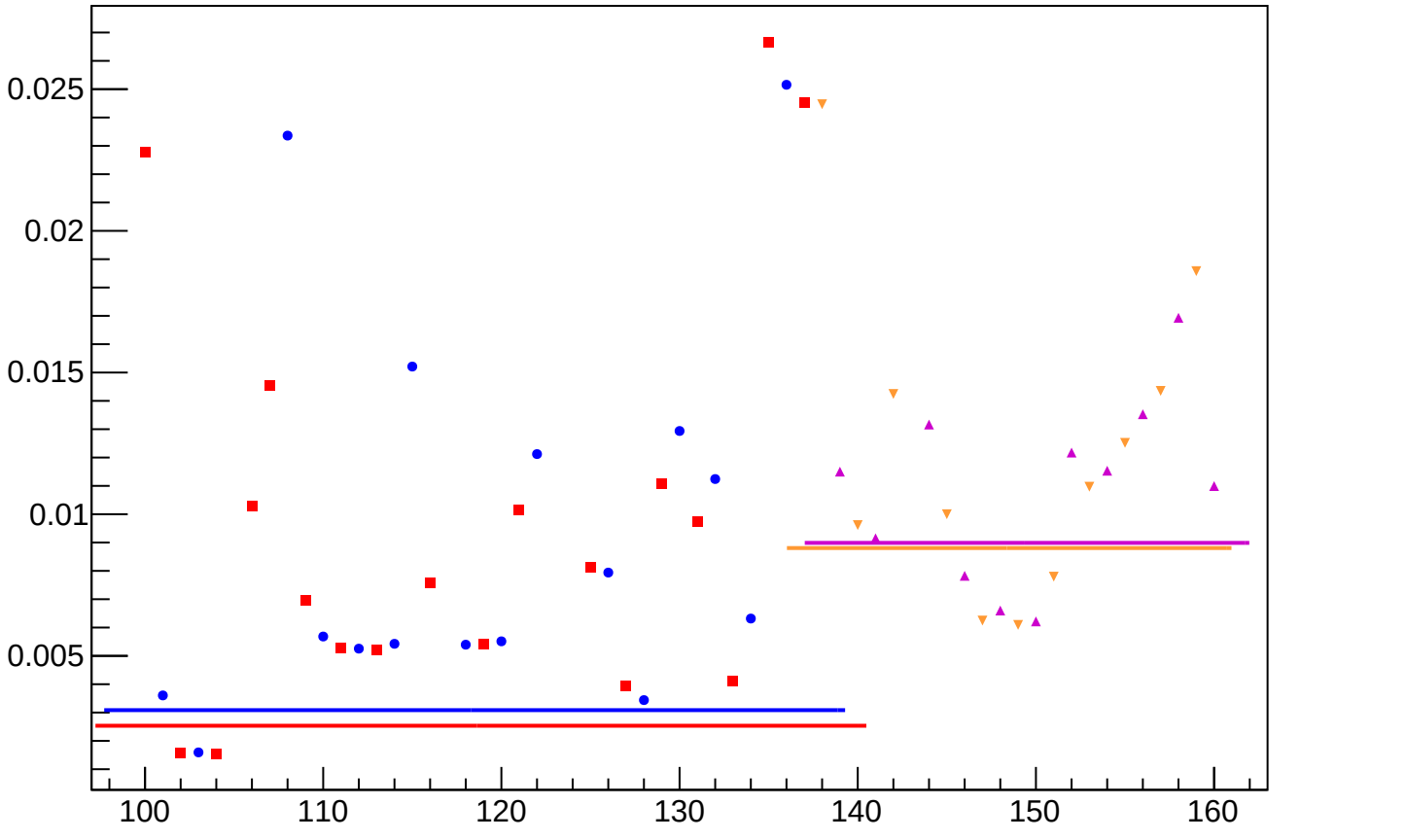
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:7.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 39.9/26

All: -0.000+/-0.000 χ^2/NDF: 67.3/55

- 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:2346833.8/10

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

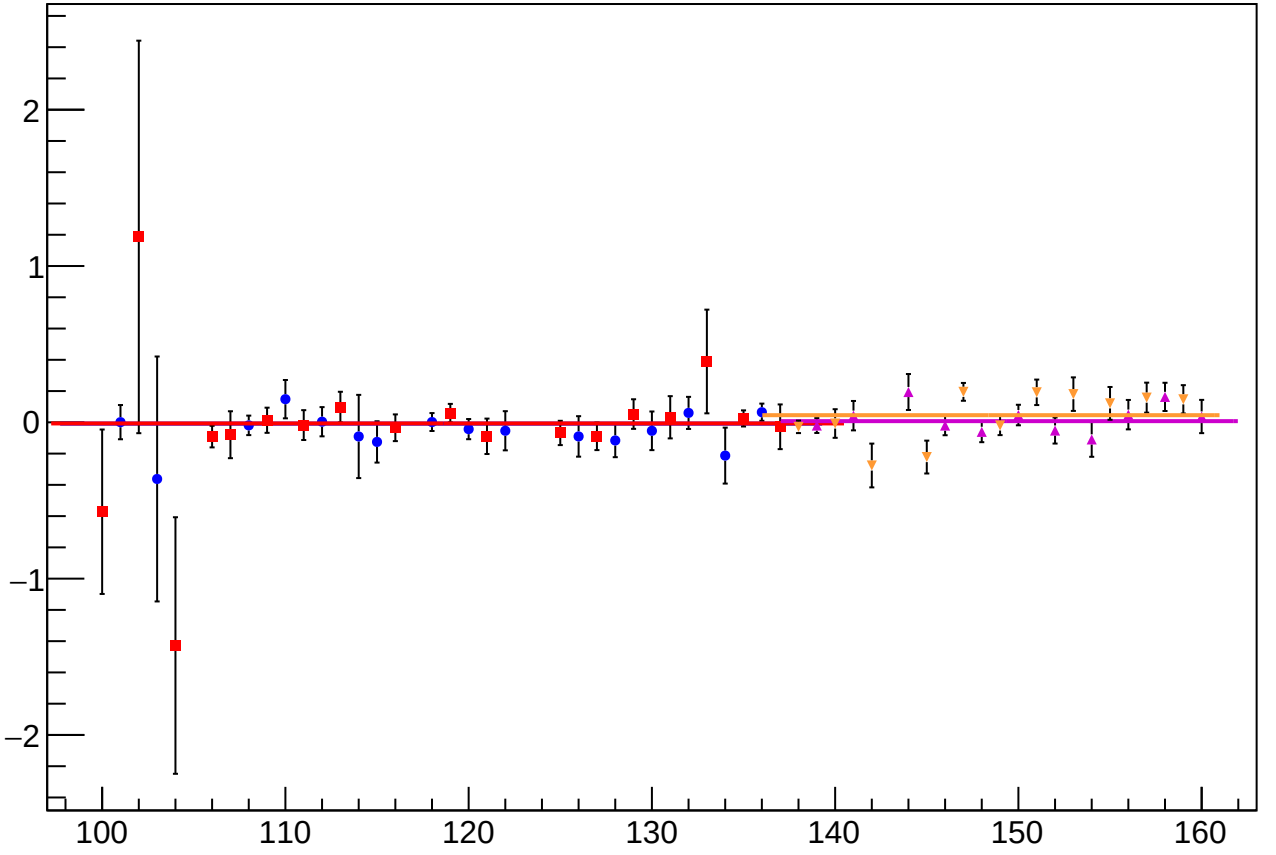
Left In: 0.009+/-0.000 χ^2/NDF:1616729.1/10

+ sign 0.004+/-0.000 χ^2/NDF: 13073770.4/26

All: 0.004+/-0.000 χ^2/NDF: 28310978.5/55

- 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: 0.046+/-0.022 χ^2/NDF:31.5/10

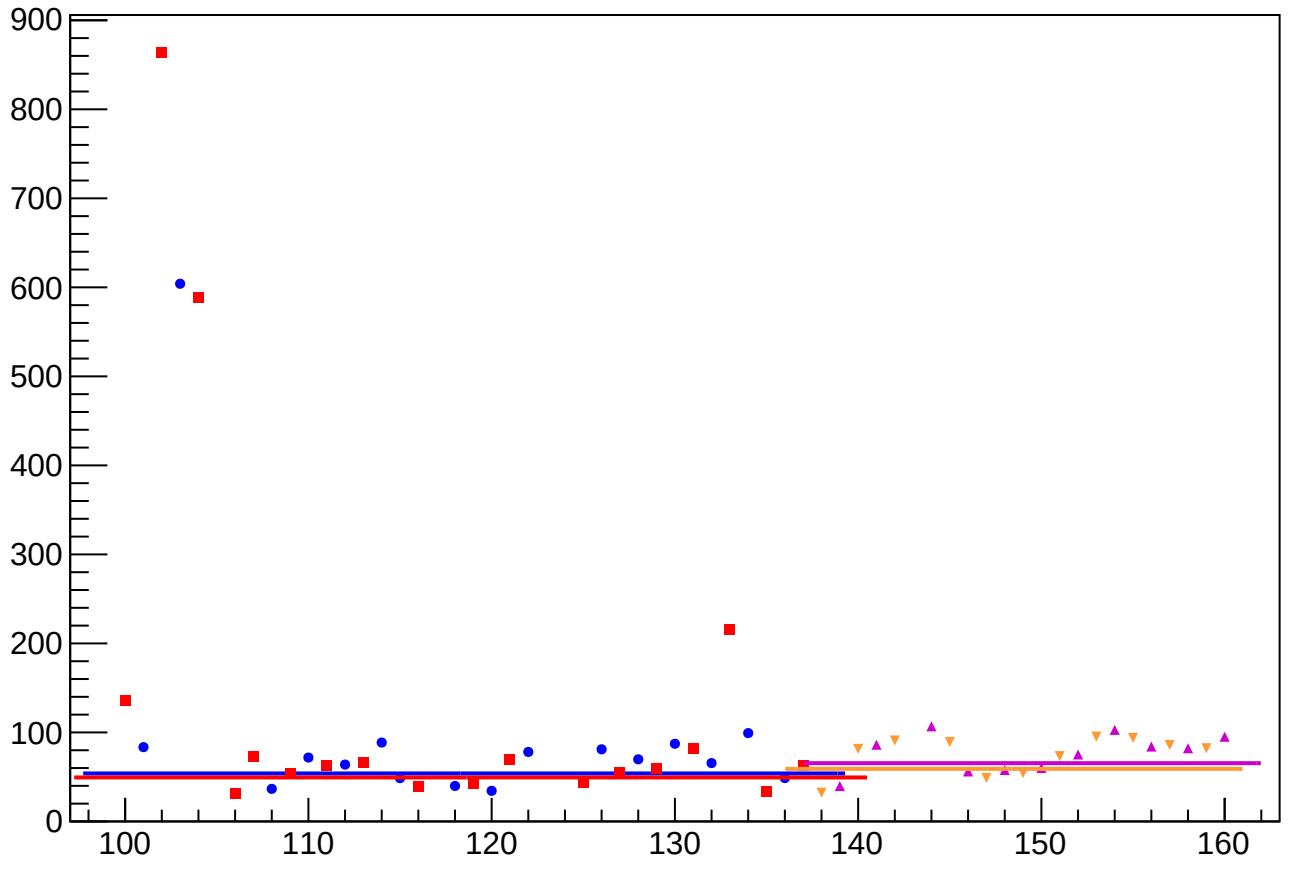
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.023 χ^2/NDF:9.6/10

+ sign 0.020+/-0.016 χ^2/NDF: 42.7/26

All: 0.010+/-0.011 χ^2/NDF: 66.9/55

- 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: 59.086+/-0.016 χ^2/NDF:2161479.4/10

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

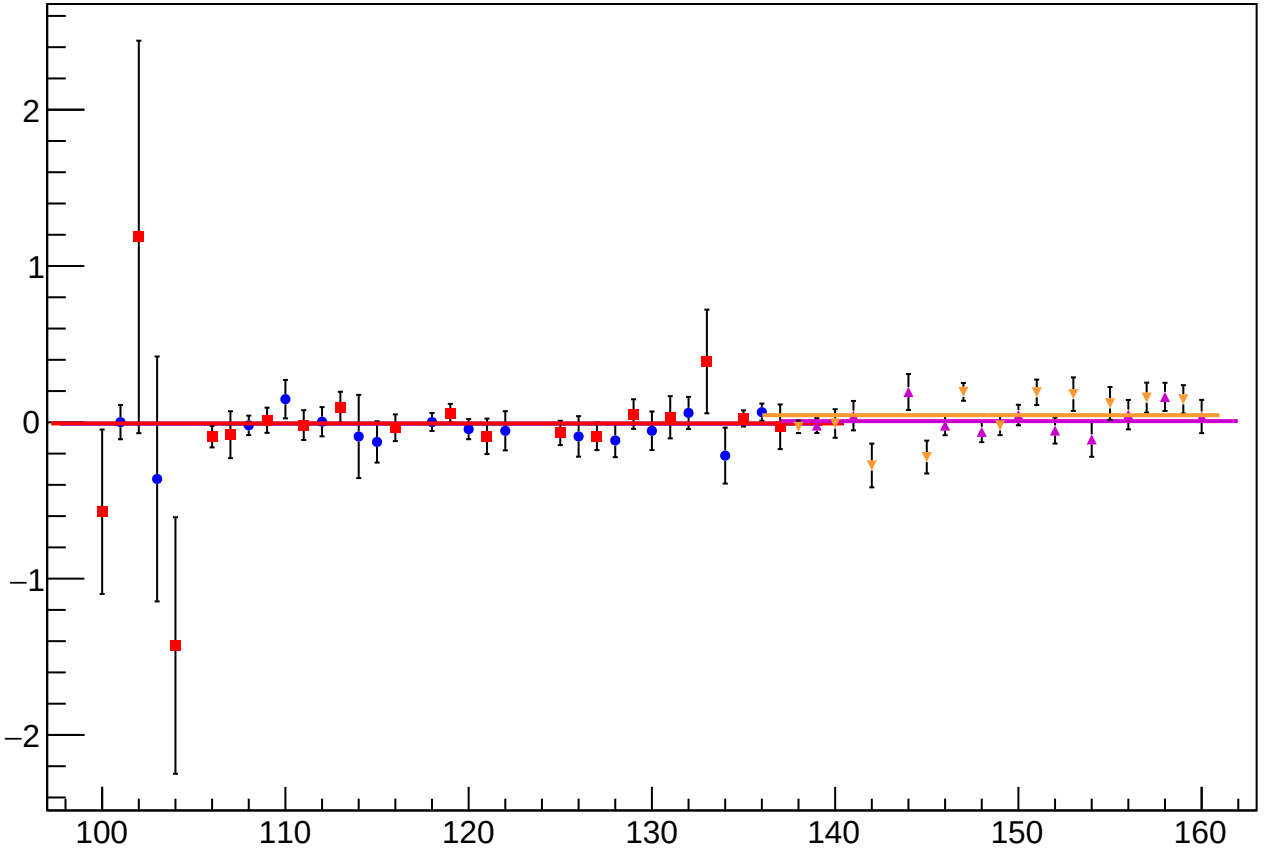
Left In: 65.476+/-0.016 χ^2/NDF:1579898.1/10

+ sign 56.603+/-0.011 χ^2/NDF: 4427055.5/26

All: 56.899+/-0.008 χ^2/NDF: 9530877.0/55

- 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: 0.046+/-0.022 χ^2/NDF:31.5/10

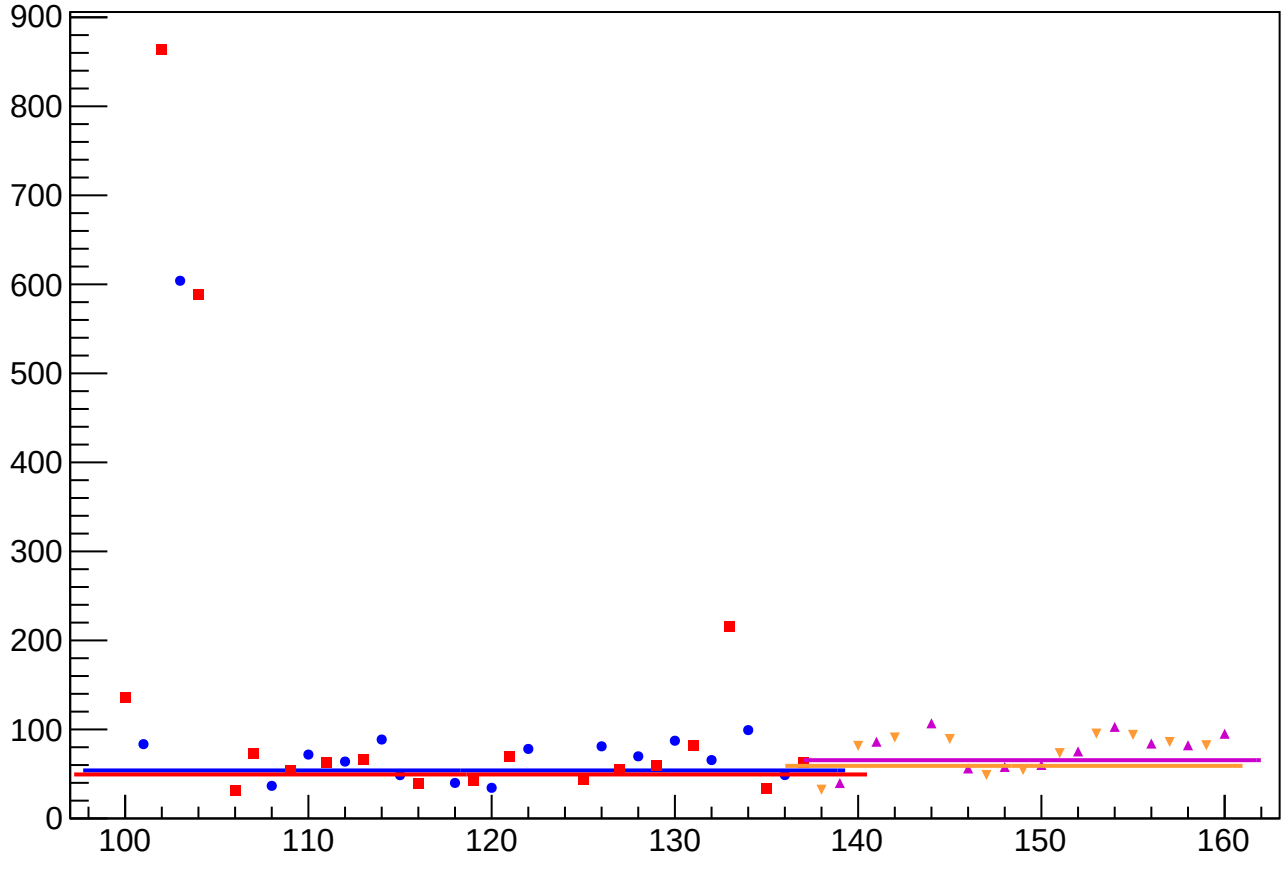
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.008+/-0.023 χ^2/NDF:9.6/10

+ sign 0.020+/-0.016 χ^2/NDF: 42.7/26

All: 0.010+/-0.011 χ^2/NDF: 66.9/55

- 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: 59.086+/-0.016 χ^2/NDF:2161479.4/10

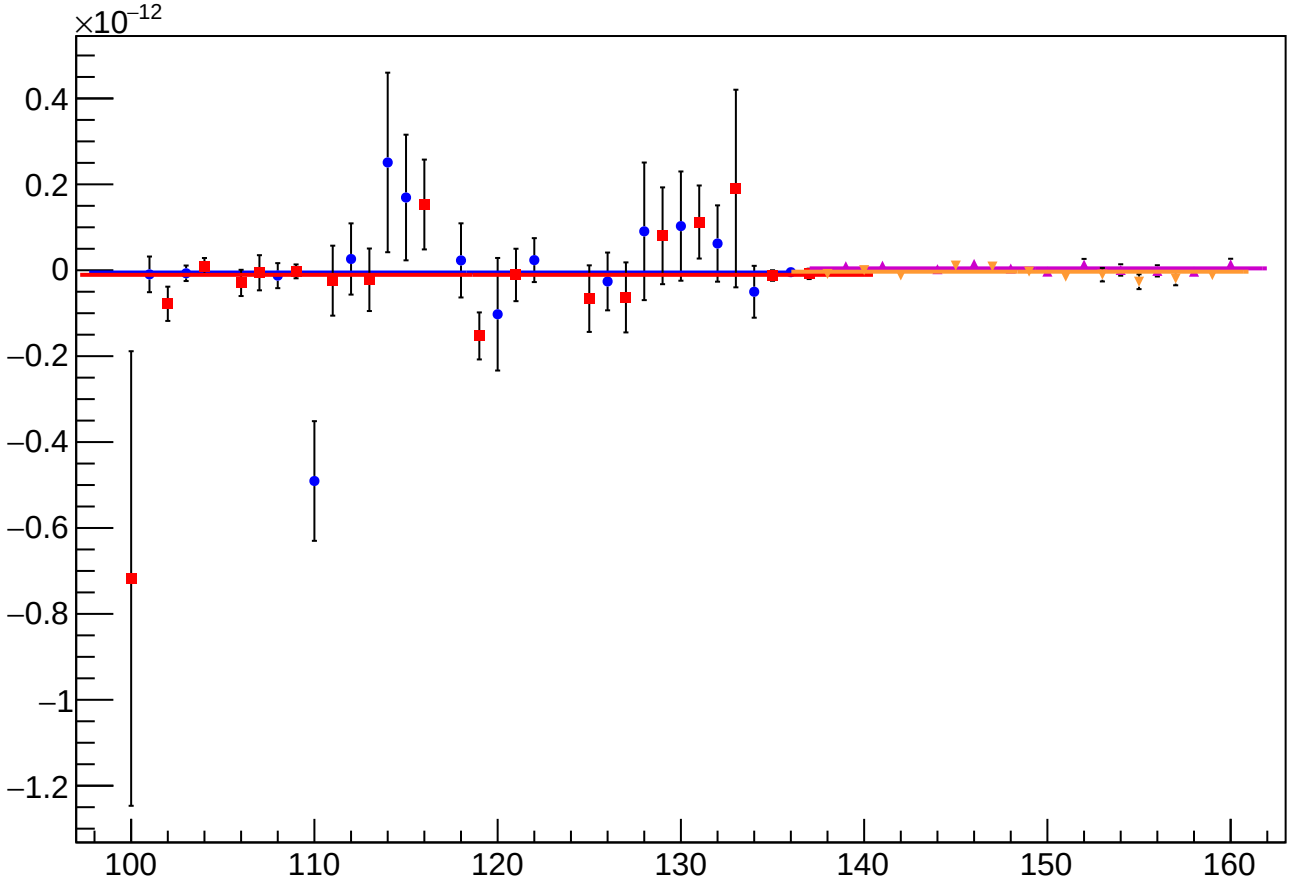
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 65.476+/-0.016 χ^2/NDF:1579898.1/10

\+ sign 56.603+/-0.011 χ^2/NDF: 4427055.5/26

All: 56.899+/-0.008 χ^2/NDF: 9530877.0/55

\- 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:11.5/10

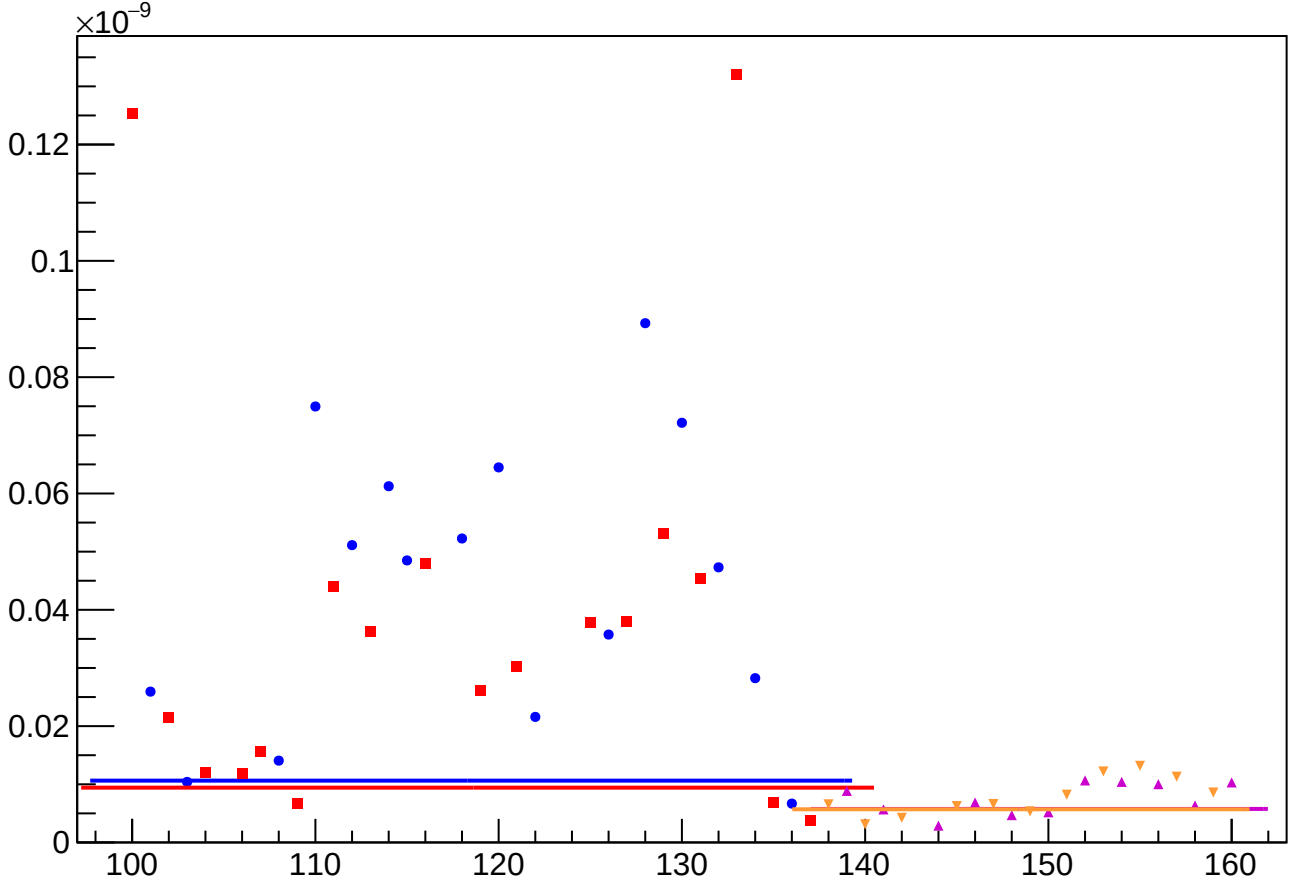
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:5.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/26

All: -0.000+/-0.000 χ^2/NDF: 63.9/55

- 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:1966072.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

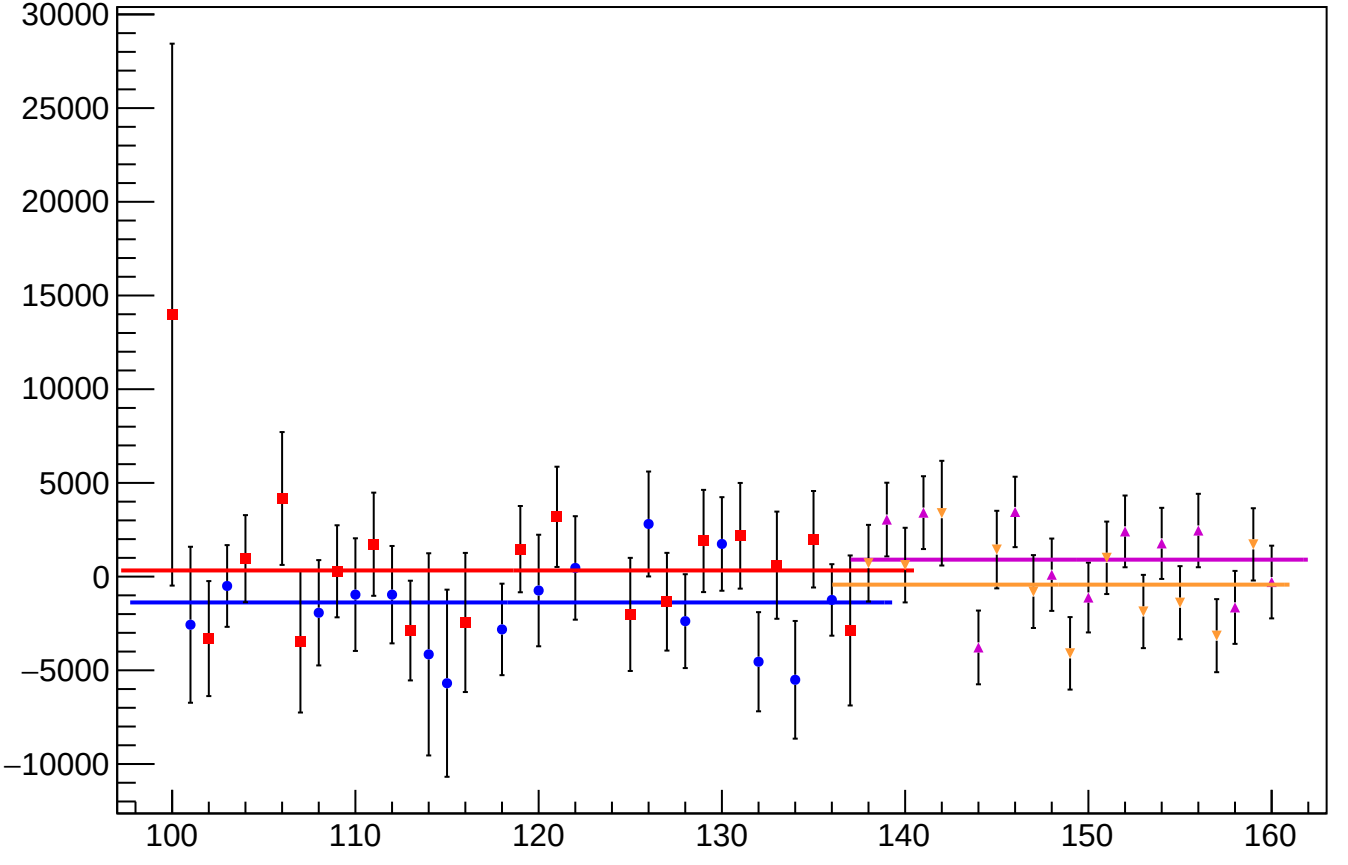
Left In: 0.000+/-0.000 χ^2/NDF:1917755.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 7431292.7/26

All: 0.000+/-0.000 χ^2/NDF: 13938223.7/55

- 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: -428.305+/-607.602 χ^2/NDF:11.4/10

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

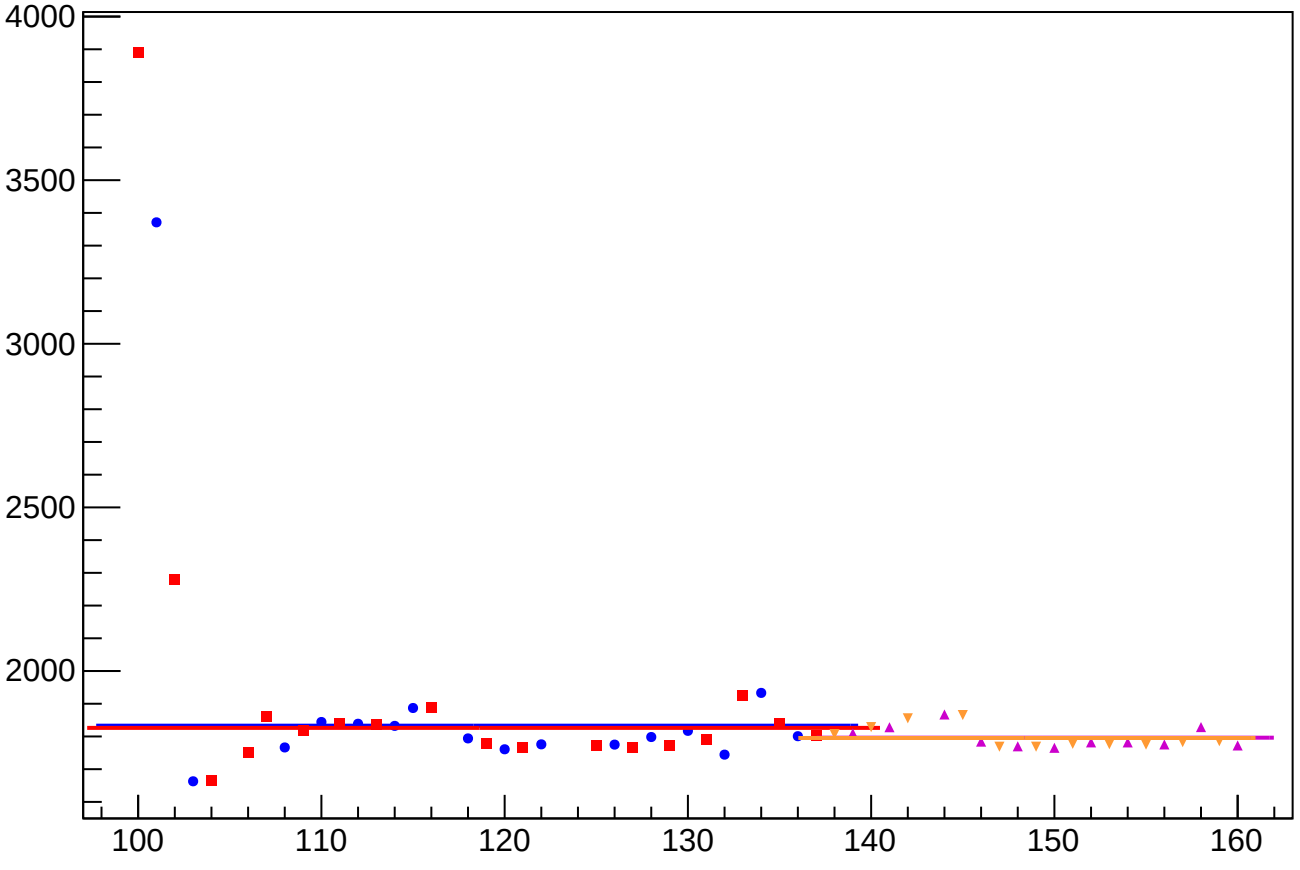
Left In: 904.492+/-581.042 χ^2/NDF:15.3/10

+ sign -844.078+/-455.723 χ^2/NDF: 21.8/26

All: -68.805+/-317.578 χ^2/NDF: 54.1/55

- 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: 1795.335+/-0.430 χ^2/NDF:5312.6/10

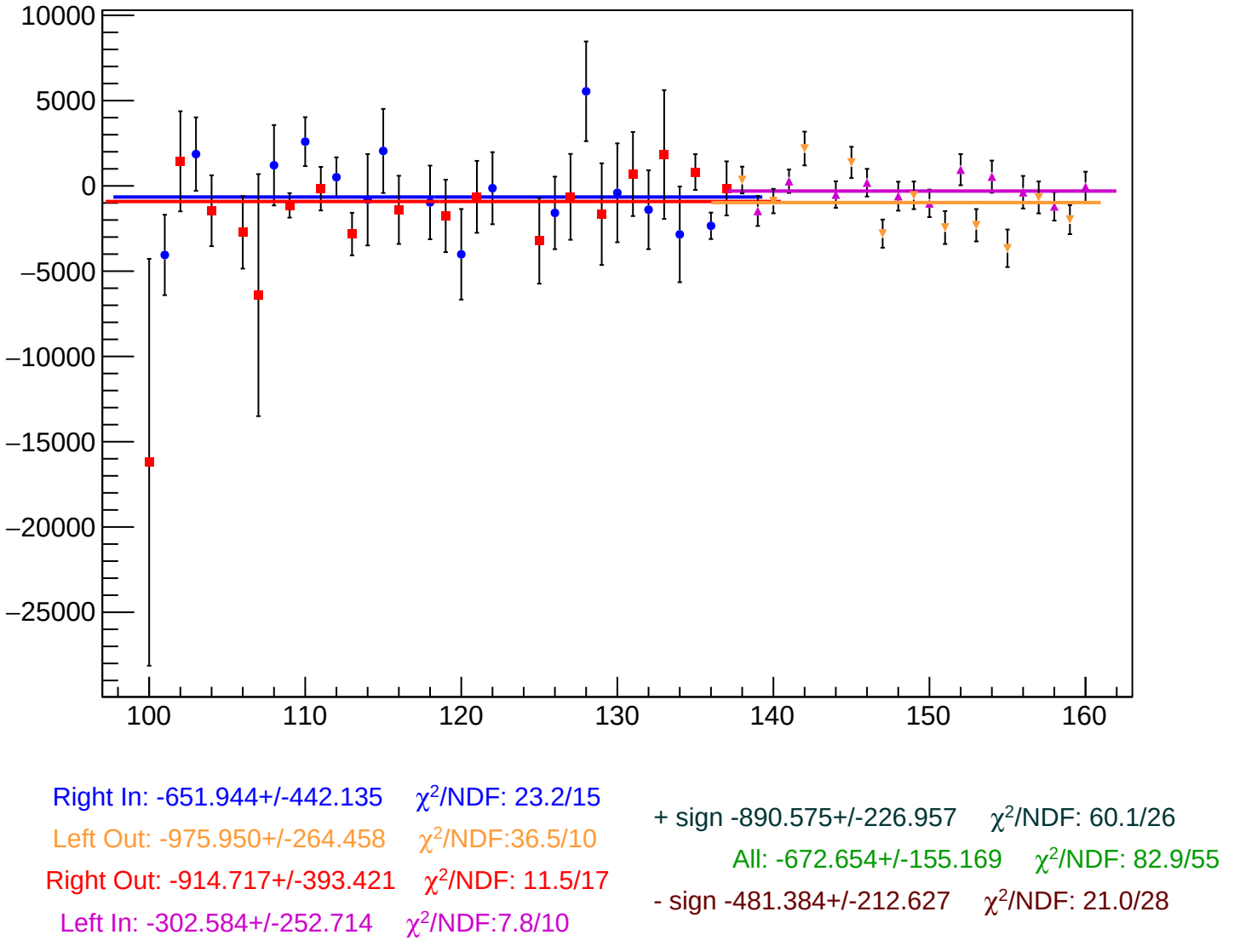
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

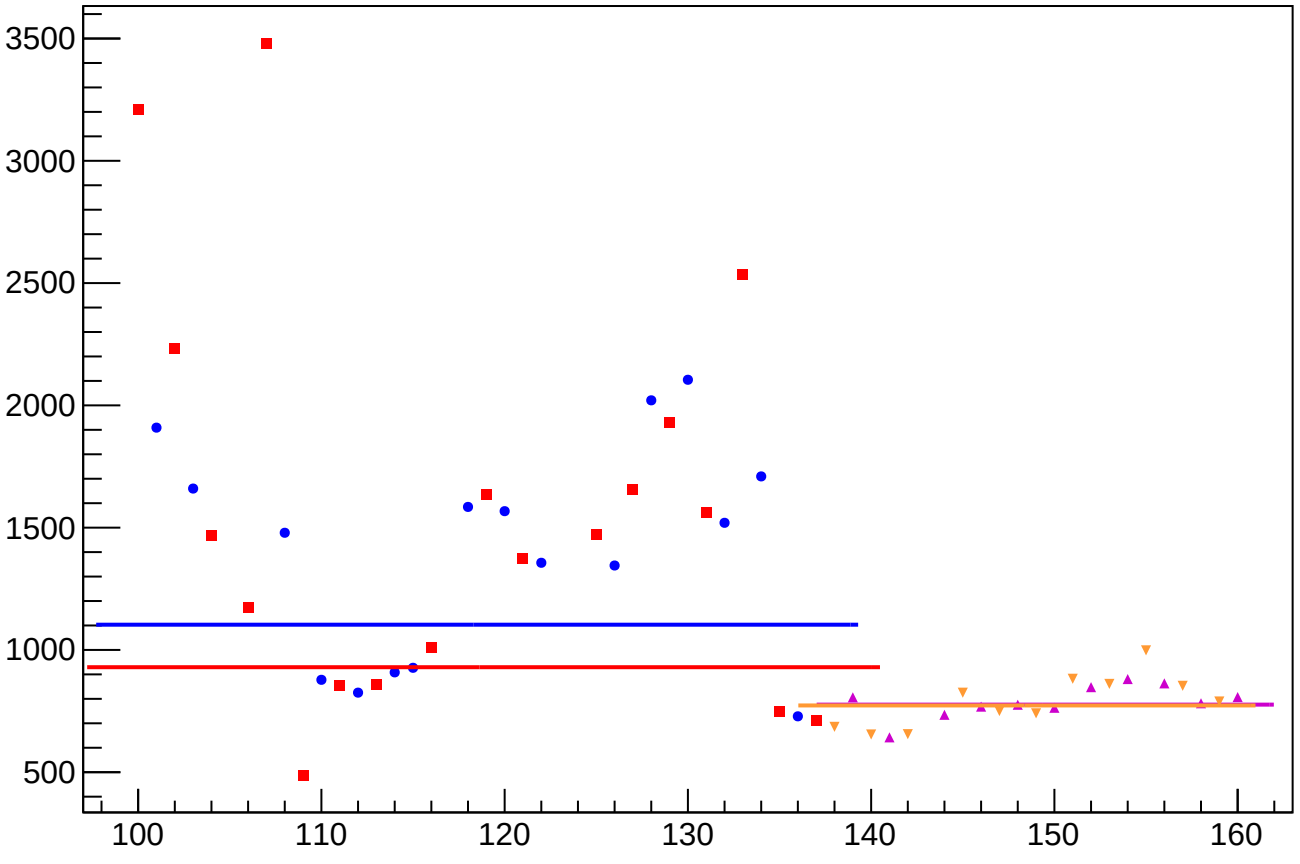
Left In: 1796.250+/-0.411 χ^2/NDF:5543.0/10

+ sign 1811.788+/-0.322 χ^2/NDF: 304104.5/26

All: 1810.256+/-0.225 χ^2/NDF: 414927.0/55

- sign 1808.809+/-0.313 χ^2/NDF: 110778.6/28


asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: -651.944+/-442.135 χ²/NDF: 23.2/15
Left Out: -975.950+/-264.458 χ²/NDF:36.5/10
Right Out: -914.717+/-393.421 χ²/NDF: 11.5/17
Left In: -302.584+/-252.714 χ²/NDF:7.8/10
+ sign -890.575+/-226.957 χ²/NDF: 60.1/26
All: -672.654+/-155.169 χ²/NDF: 82.9/55
- sign -481.384+/-212.627 χ²/NDF: 21.0/28



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 772.992+/-0.187 χ^2/NDF:261084.7/10

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

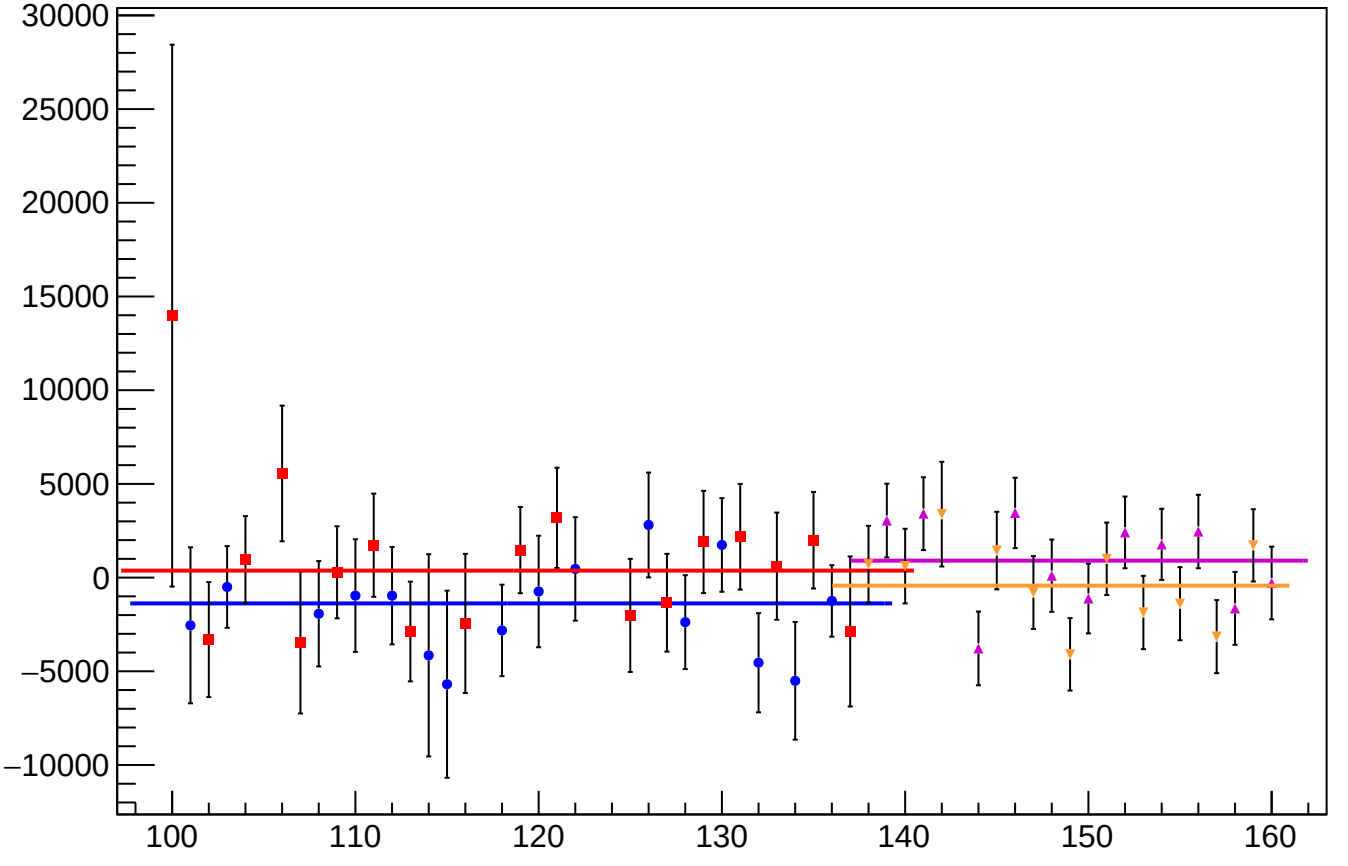
Left In: 776.353+/-0.179 χ^2/NDF:140795.5/10

+ sign 859.997+/-0.160 χ^2/NDF: 2960795.7/26

All: 839.252+/-0.110 χ^2/NDF: 6401198.0/55

- 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: -428.168+/-607.602 χ^2/NDF:11.4/10

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

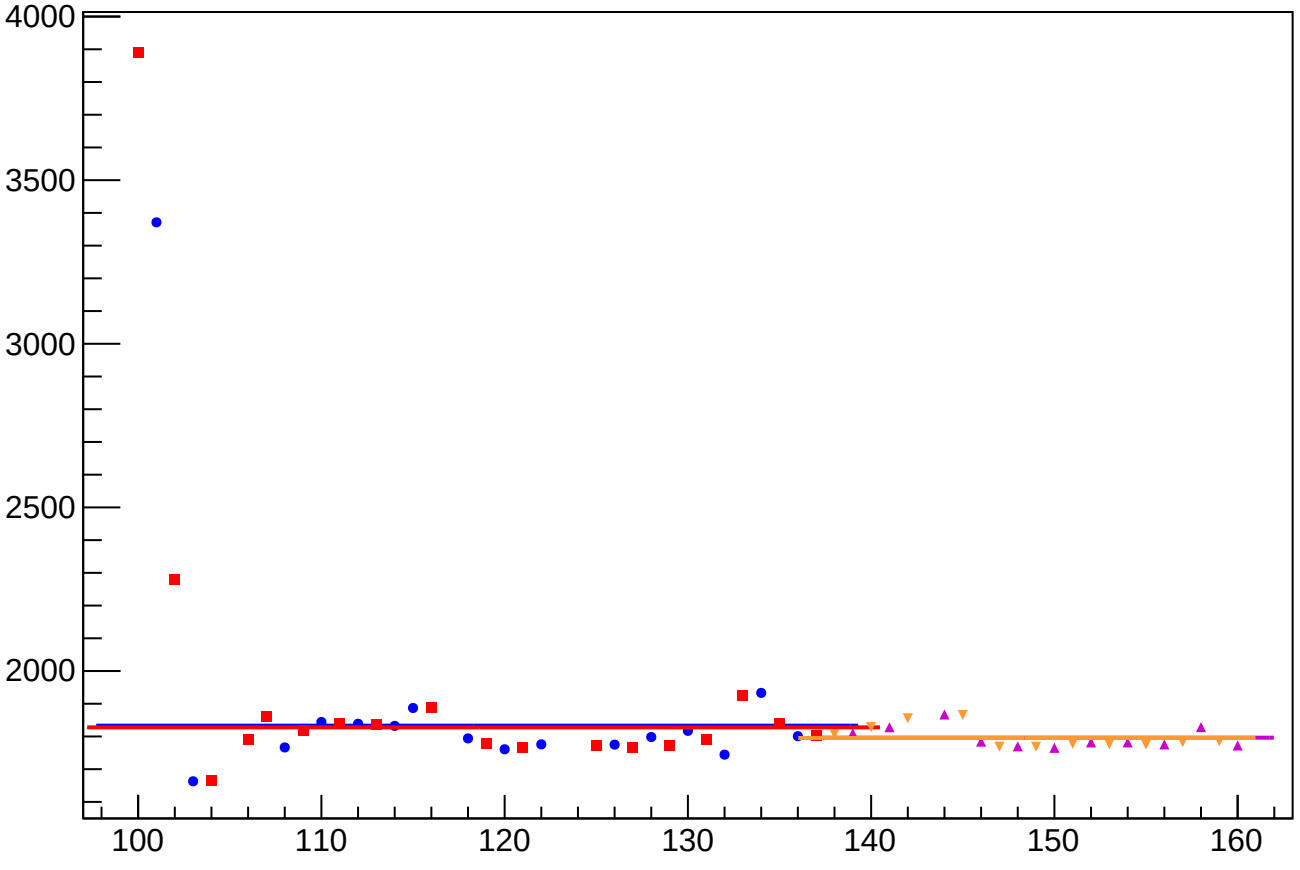
Left In: 904.403+/-581.042 χ^2/NDF:15.3/10

+ sign -843.727+/-455.723 χ^2/NDF: 21.8/26

All: -59.365+/-317.630 χ^2/NDF: 55.1/55

- 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: 1795.335+/-0.430 χ^2/NDF:5312.6/10

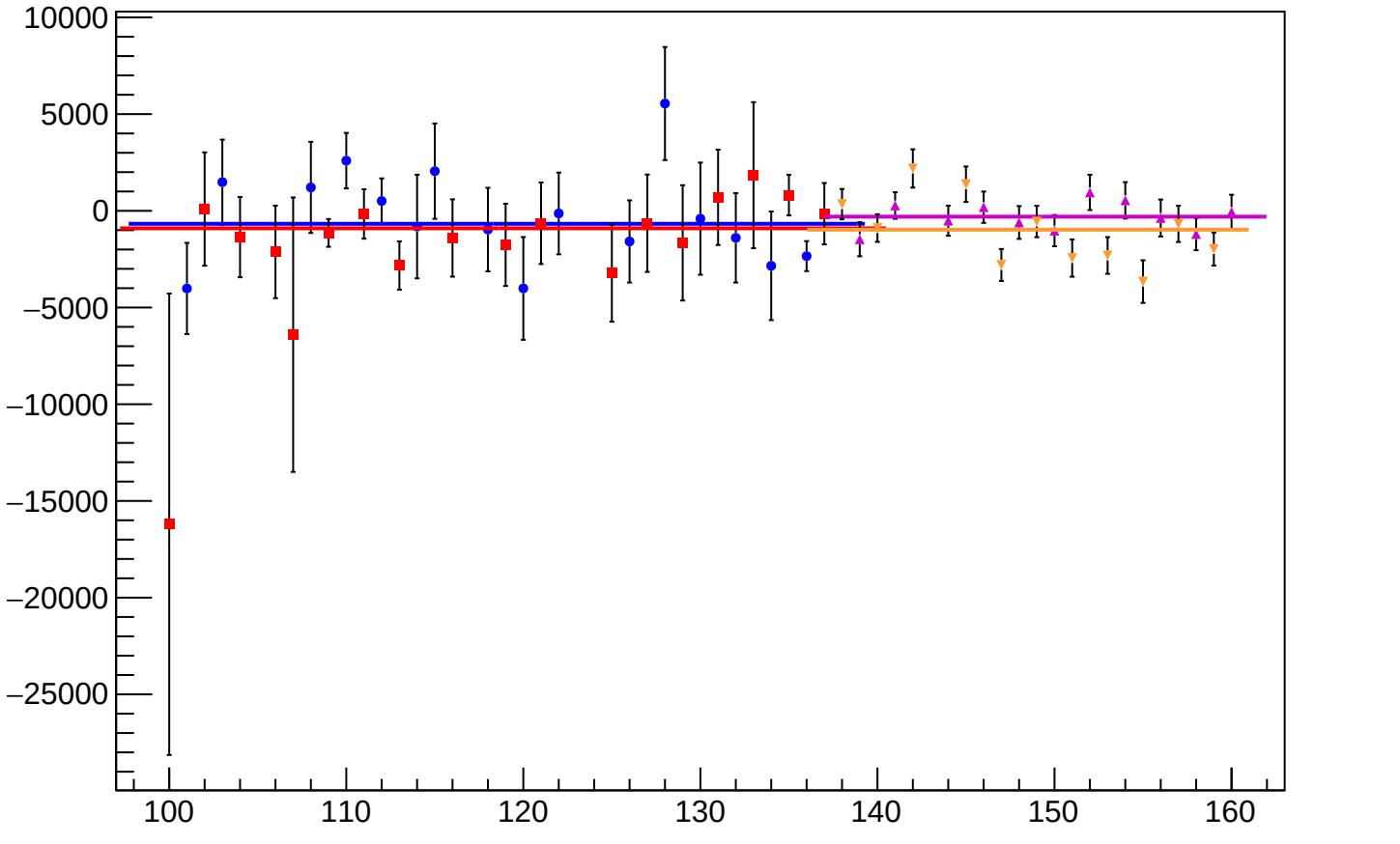
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1796.250+/-0.411 χ^2/NDF:5543.0/10

+ sign 1811.788+/-0.322 χ^2/NDF: 304106.3/26

All: 1810.590+/-0.225 χ^2/NDF: 414414.1/55

- 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: -975.917+/-264.459 χ^2/NDF:36.5/10

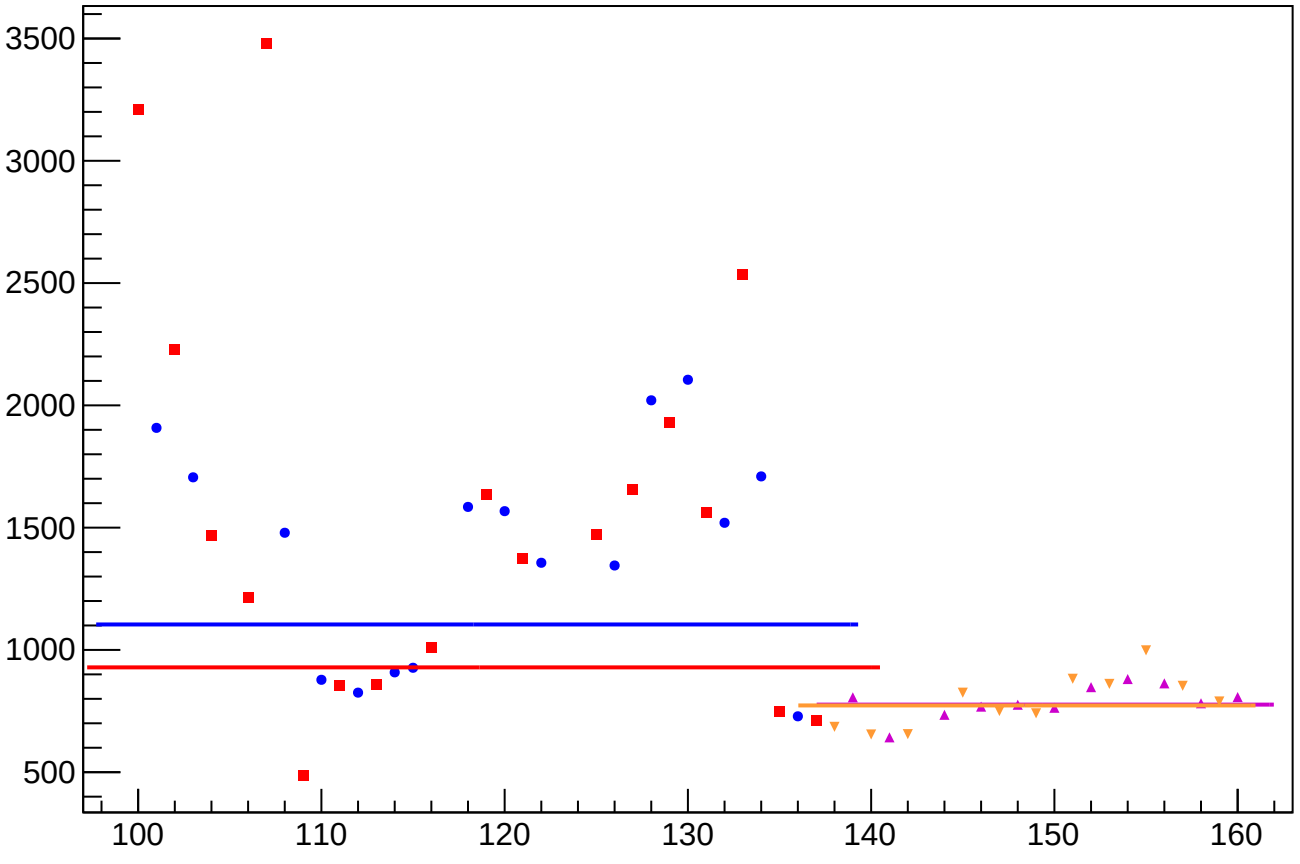
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -302.522+/-252.715 χ^2/NDF:7.8/10

+ sign -895.549+/-227.008 χ^2/NDF: 59.6/26

All: -673.280+/-155.270 χ^2/NDF: 81.3/55

- 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: 772.998+/-0.187 χ^2/NDF:261052.3/10

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

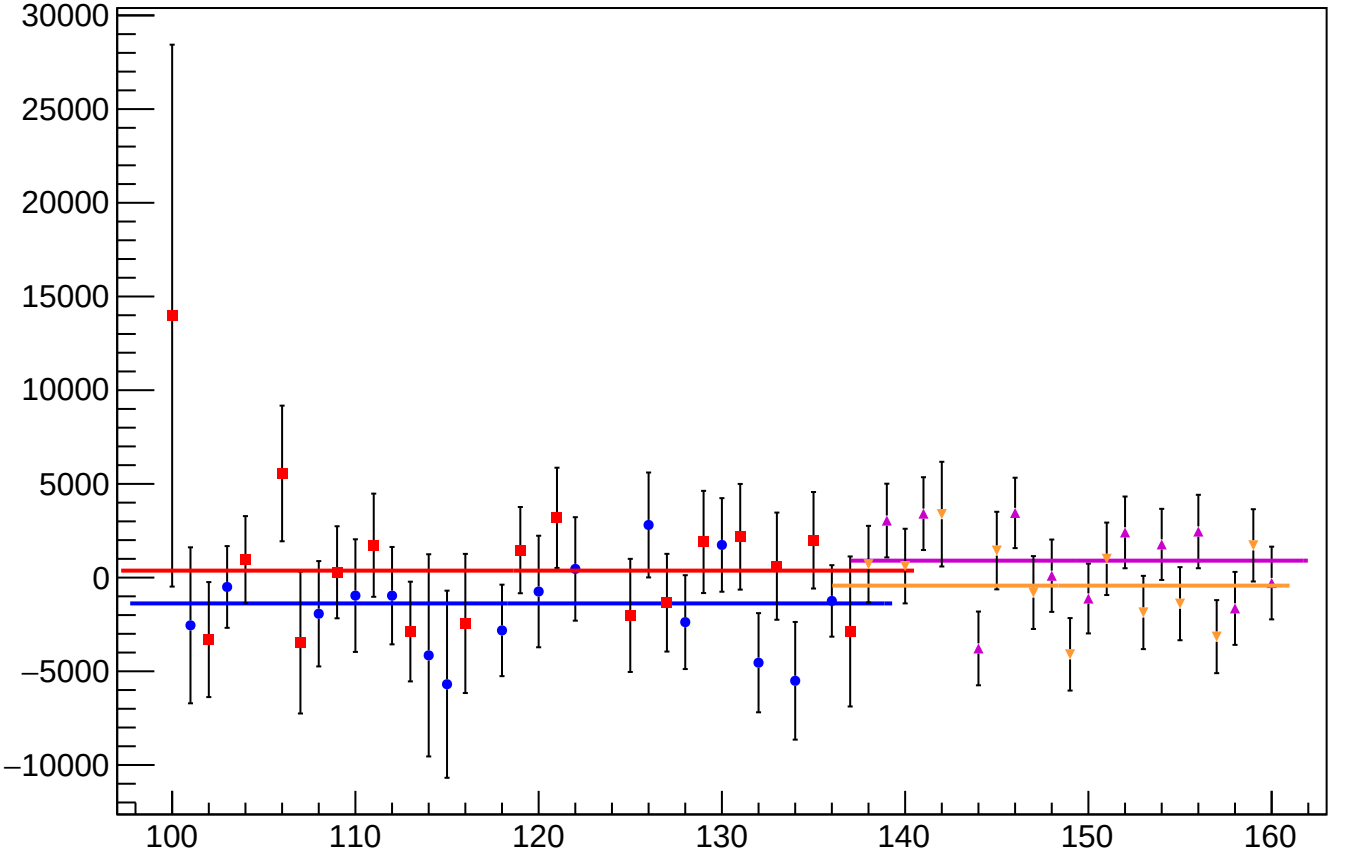
Left In: 776.355+/-0.179 χ^2/NDF:140845.7/10

+ sign 860.136+/-0.161 χ^2/NDF: 2980600.1/26

All: 839.103+/-0.110 χ^2/NDF: 6419131.7/55

- 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: -428.168+/-607.602 χ^2/NDF:11.4/10

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

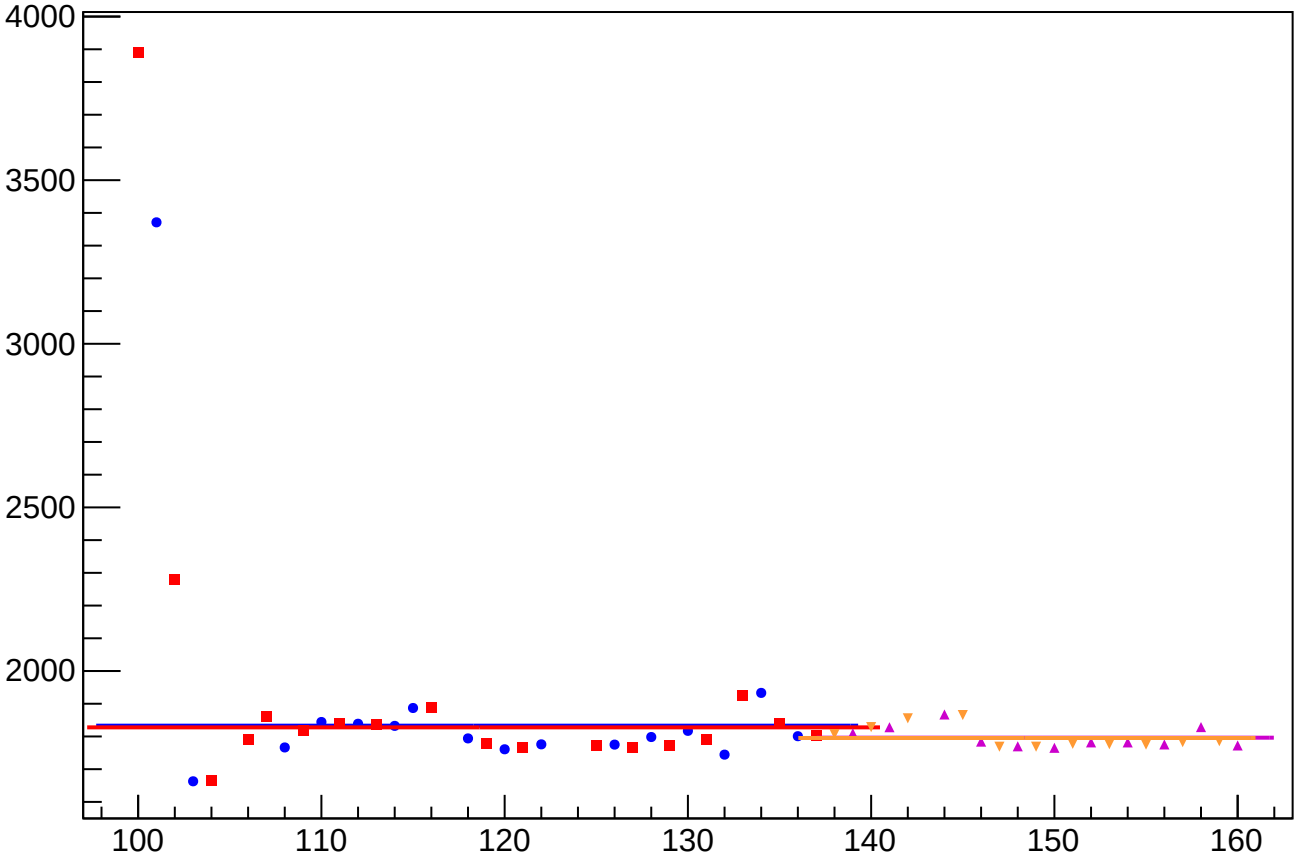
Left In: 904.403+/-581.042 χ^2/NDF:15.3/10

+ sign -843.727+/-455.723 χ^2/NDF: 21.8/26

All: -59.365+/-317.630 χ^2/NDF: 55.1/55

- 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: 1795.335+/-0.430 χ^2/NDF:5312.6/10

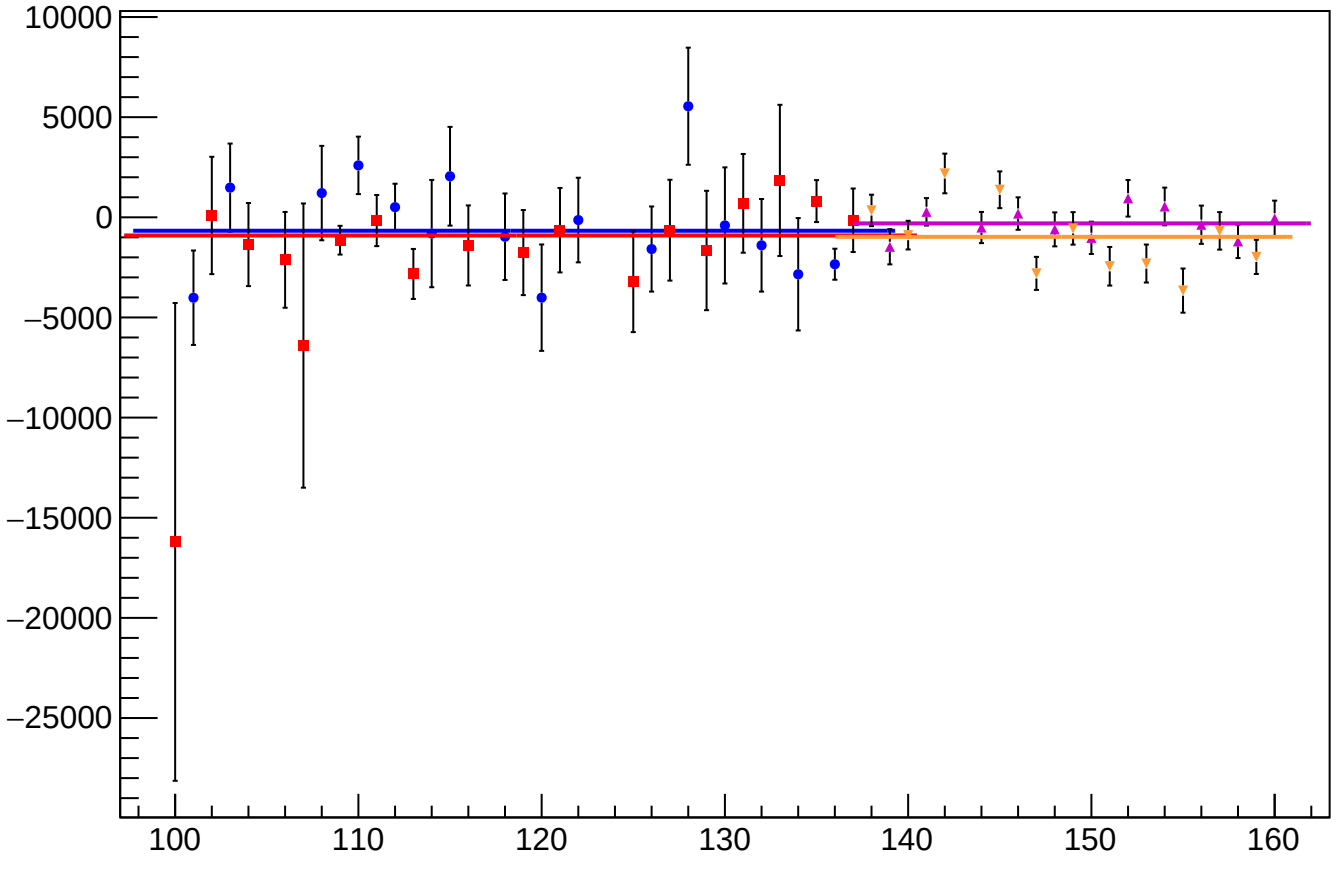
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1796.250+/-0.411 χ^2/NDF:5543.0/10

+ sign 1811.788+/-0.322 χ^2/NDF: 304106.3/26

All: 1810.590+/-0.225 χ^2/NDF: 414414.1/55

- 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: -975.917+/-264.459 χ^2/NDF:36.5/10

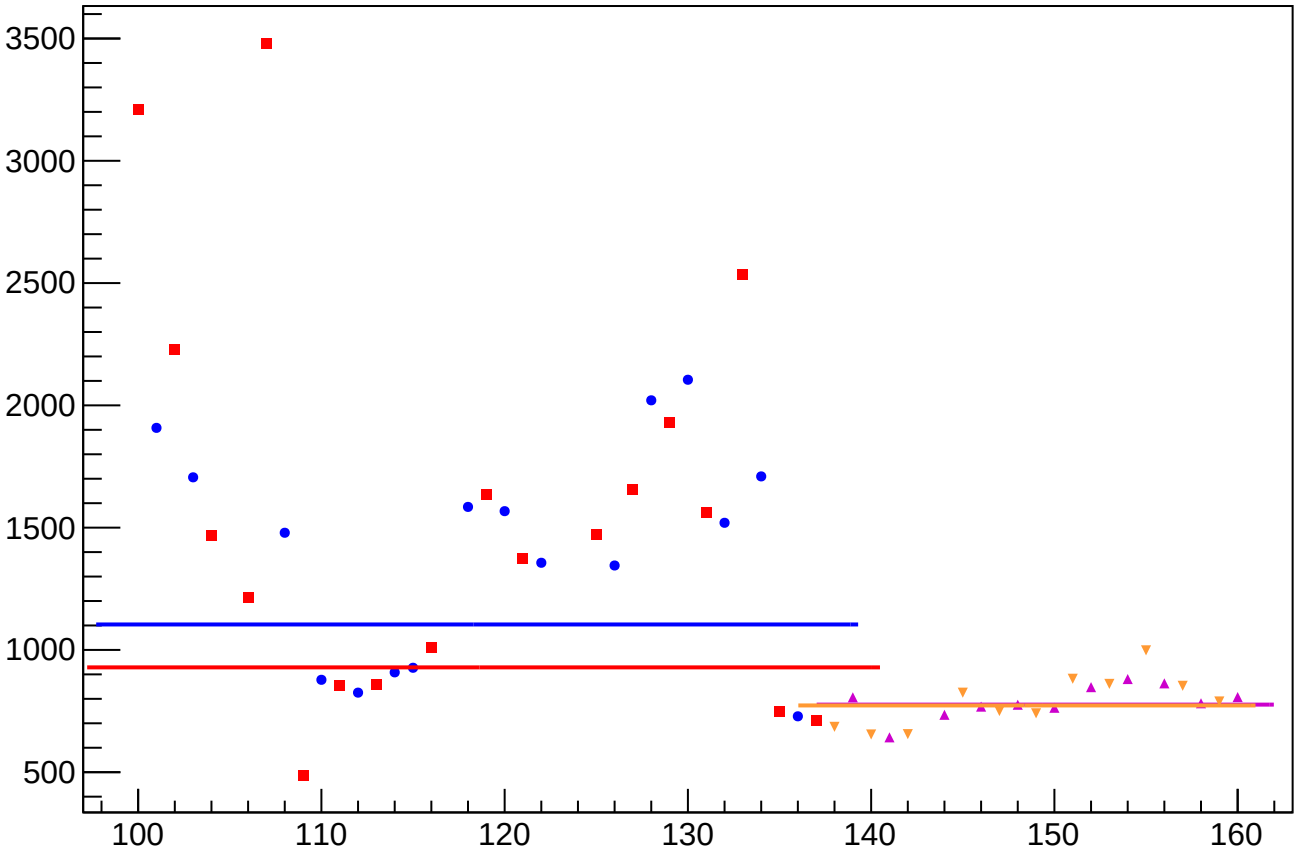
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -302.522+/-252.715 χ^2/NDF:7.8/10

+ sign -895.549+/-227.008 χ^2/NDF: 59.6/26

All: -673.280+/-155.270 χ^2/NDF: 81.3/55

- 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: 772.998+/-0.187 χ^2/NDF:261052.3/10

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

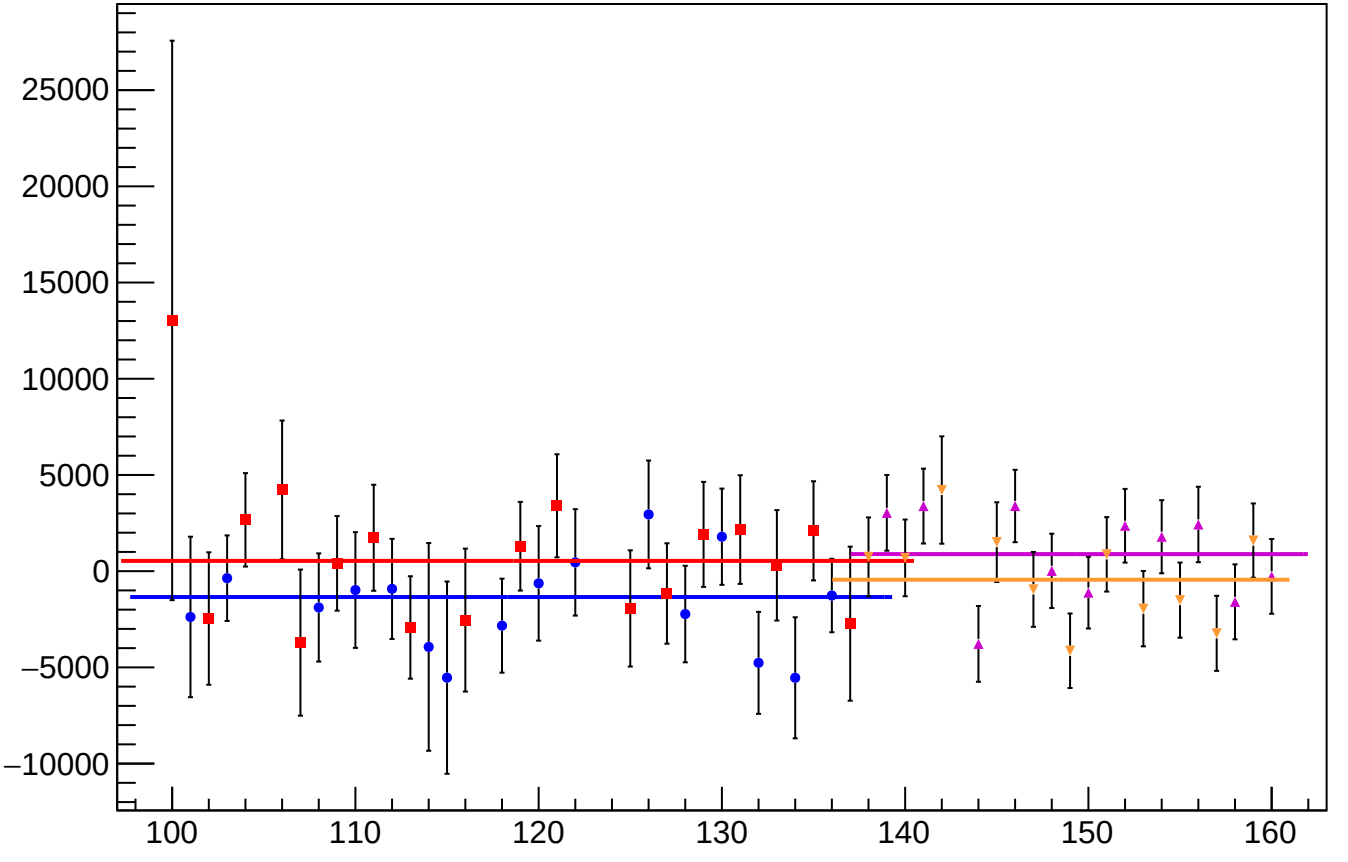
Left In: 776.355+/-0.179 χ^2/NDF:140845.7/10

+ sign 860.136+/-0.161 χ^2/NDF: 2980600.1/26

All: 839.103+/-0.110 χ^2/NDF: 6419131.7/55

- 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: -443.921+/-607.989 χ^2/NDF:12.5/10

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

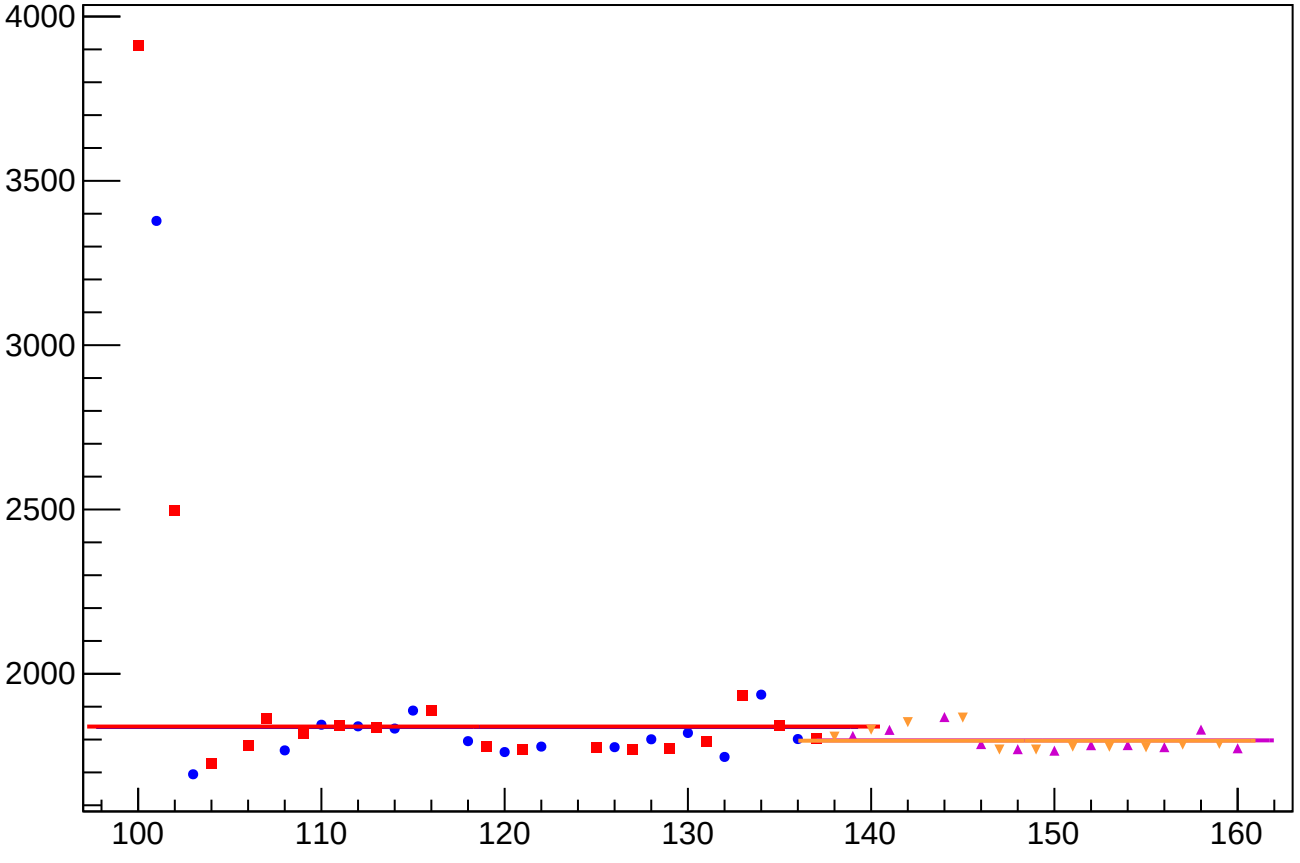
Left In: 886.384+/-581.435 χ^2/NDF:15.0/10

\+ sign -836.693+/-456.438 χ^2/NDF: 23.1/26

All: -27.941+/-318.587 χ^2/NDF: 55.5/55

\- 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: 1796.468+/-0.430 χ^2/NDF:5218.5/10

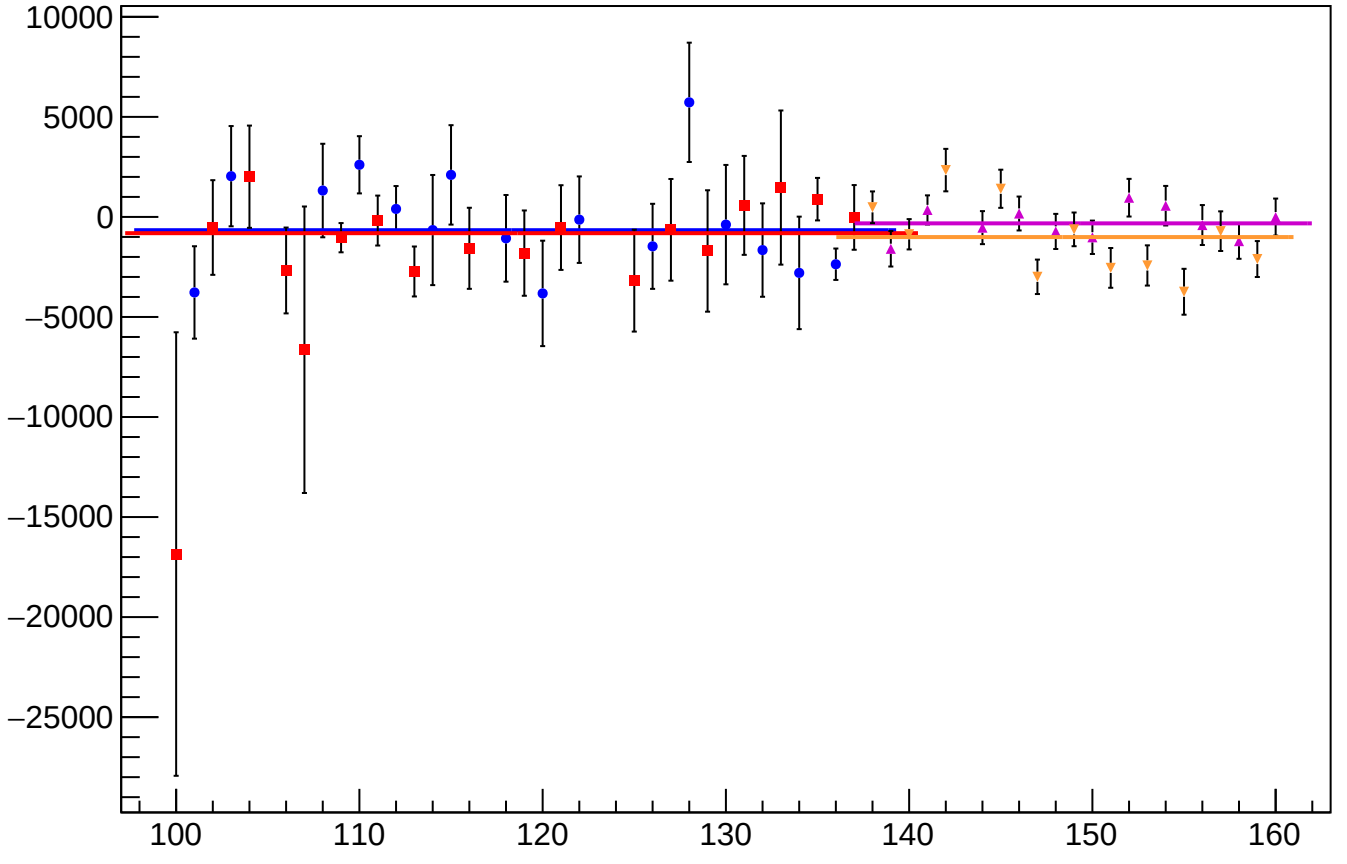
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1797.461+/-0.411 χ^2/NDF:5579.4/10

+ sign 1814.662+/-0.323 χ^2/NDF: 301306.5/26

All: 1814.782+/-0.225 χ^2/NDF: 439477.4/55

- 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: -1006.908+/-276.301 χ^2/NDF:37.1/10

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

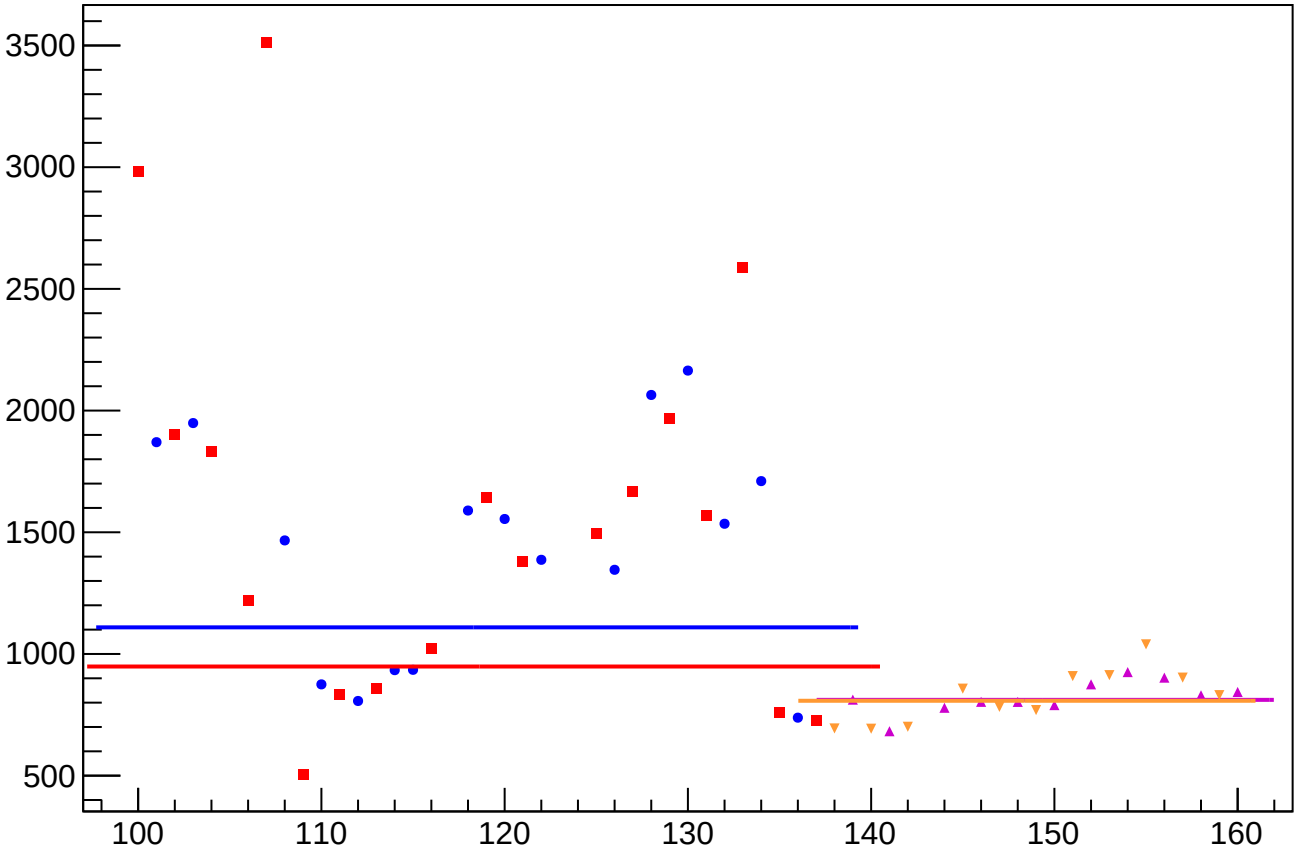
Left In: -321.479+/-263.922 χ^2/NDF:8.0/10

+ sign -911.632+/-234.866 χ^2/NDF: 60.3/26

All: -677.164+/-160.491 χ^2/NDF: 83.5/55

- 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: 807.708+/-0.195 χ^2/NDF:262758.9/10

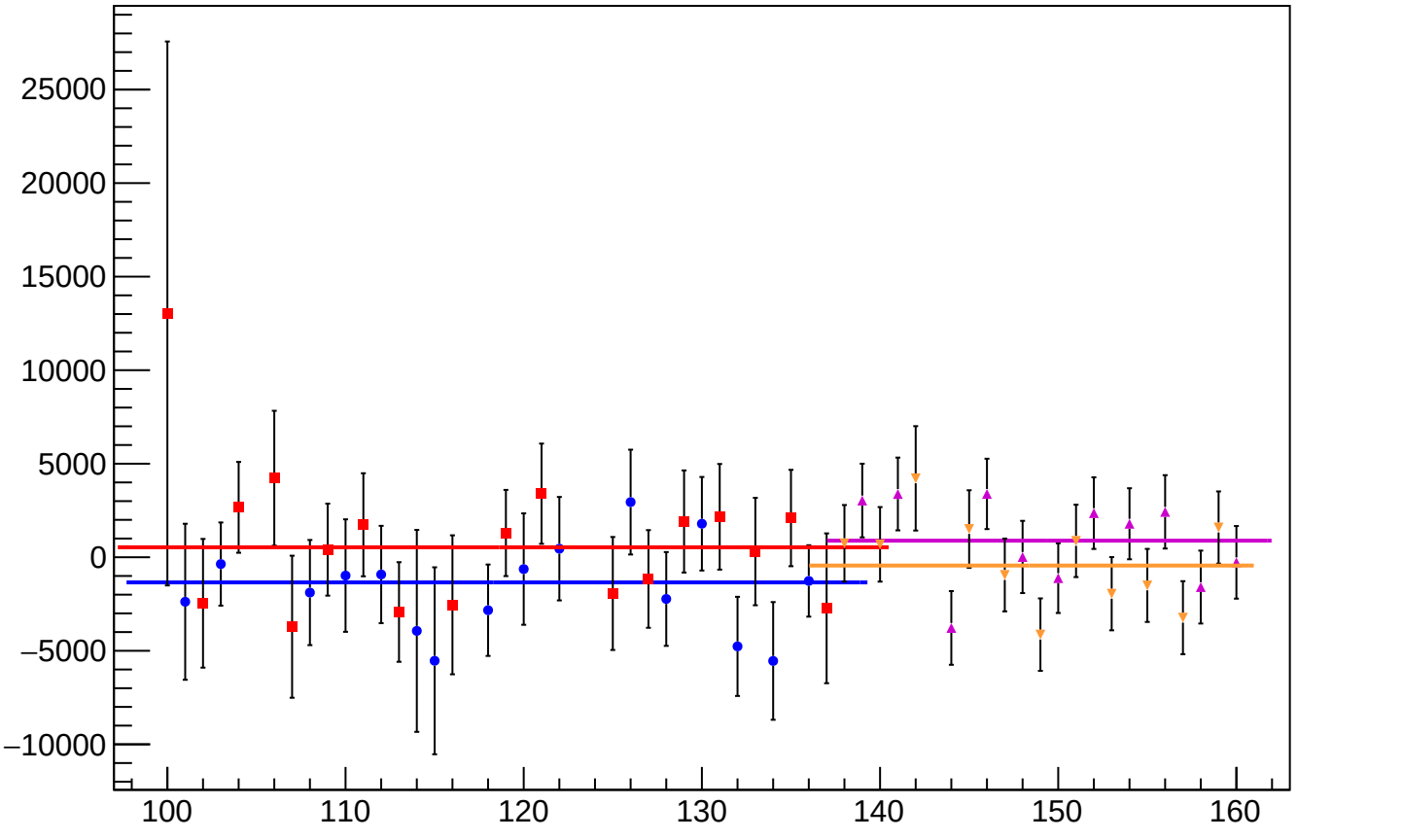
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 811.441+/-0.187 χ^2/NDF:123387.6/10

+ sign 891.397+/-0.166 χ^2/NDF: 2897492.7/26

All: 871.143+/-0.113 χ^2/NDF: 6267509.9/55

- 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: -443.920+/-607.989 χ^2/NDF:12.5/10

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

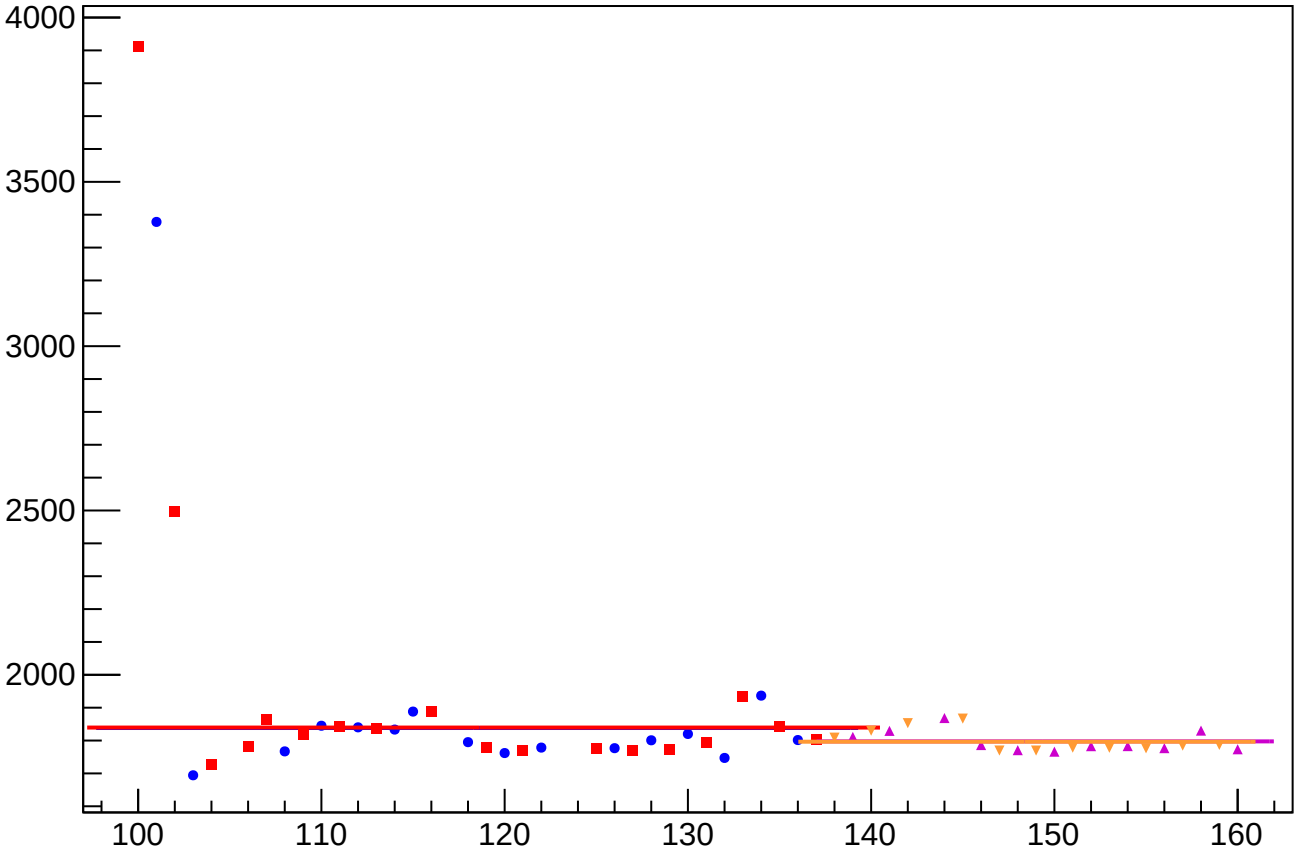
Left In: 886.382+/-581.435 χ^2/NDF:15.0/10

+ sign -836.694+/-456.438 χ^2/NDF: 23.1/26

All: -27.941+/-318.587 χ^2/NDF: 55.5/55

- 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: 1796.468+/-0.430 χ^2/NDF:5218.5/10

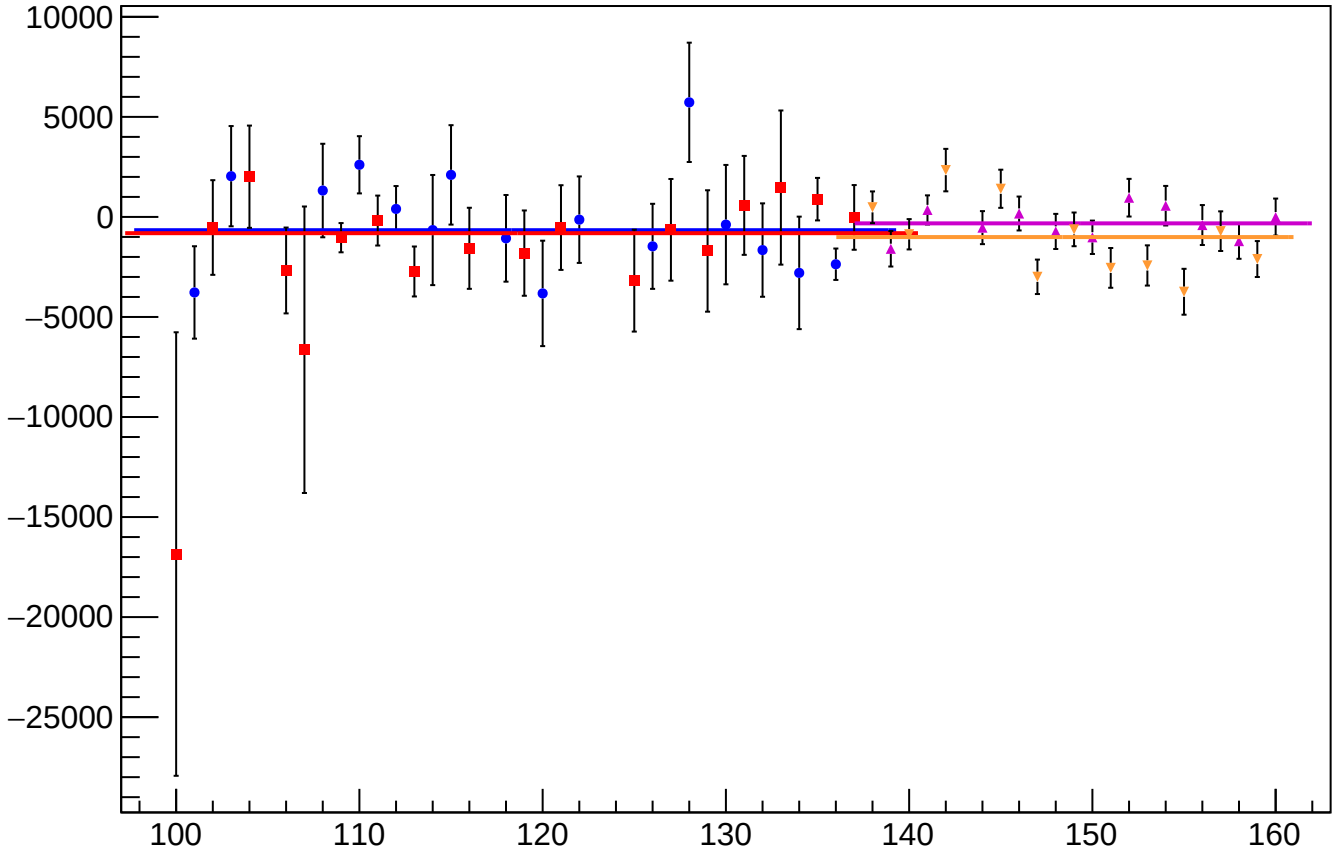
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1797.461+/-0.411 χ^2/NDF:5579.4/10

+ sign 1814.662+/-0.323 χ^2/NDF: 301306.5/26

All: 1814.782+/-0.225 χ^2/NDF: 439477.4/55

- 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: -1006.916+/-276.302 χ^2/NDF:37.1/10

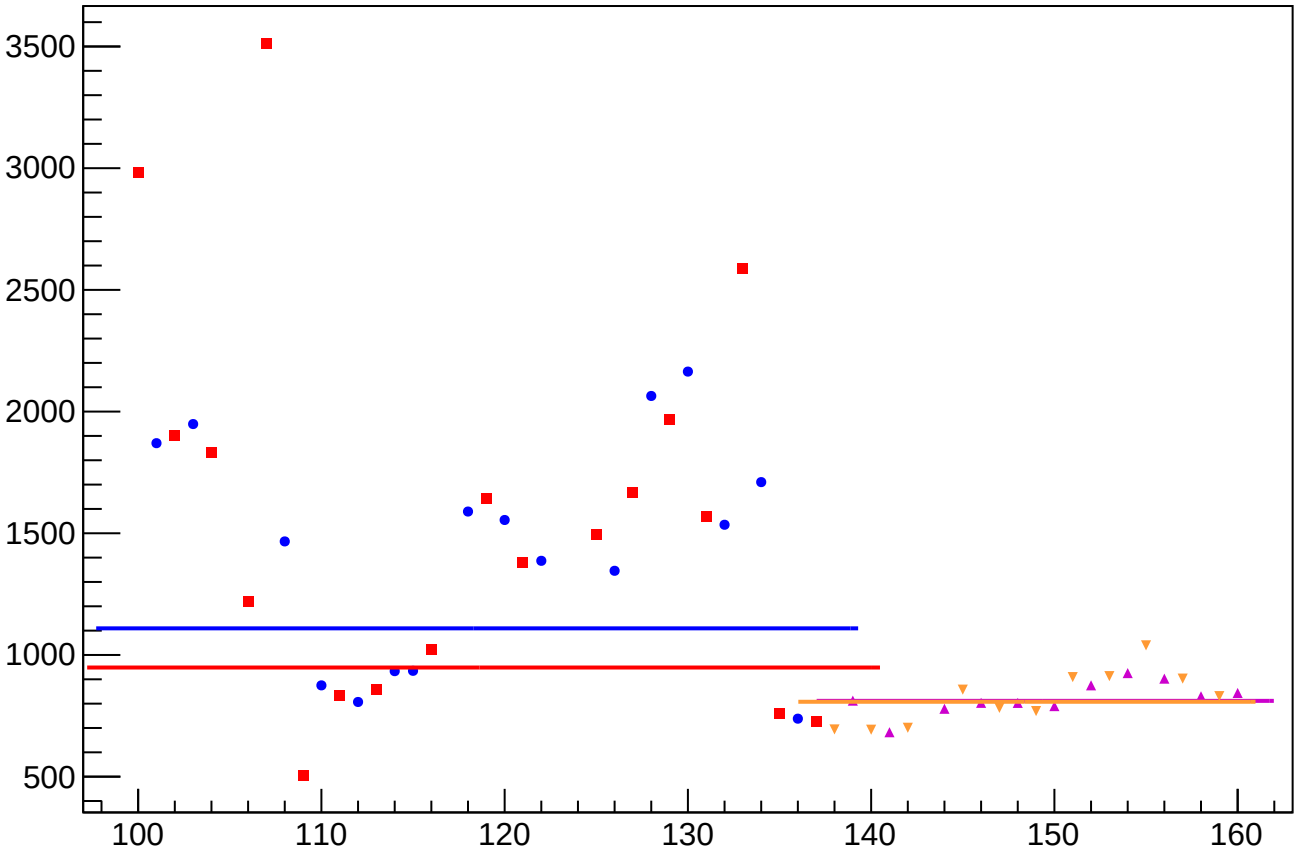
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -321.476+/-263.922 χ^2/NDF:8.0/10

+ sign -911.633+/-234.867 χ^2/NDF: 60.3/26

All: -677.164+/-160.492 χ^2/NDF: 83.5/55

- 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: 807.711+/-0.195 χ^2/NDF:262742.1/10

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

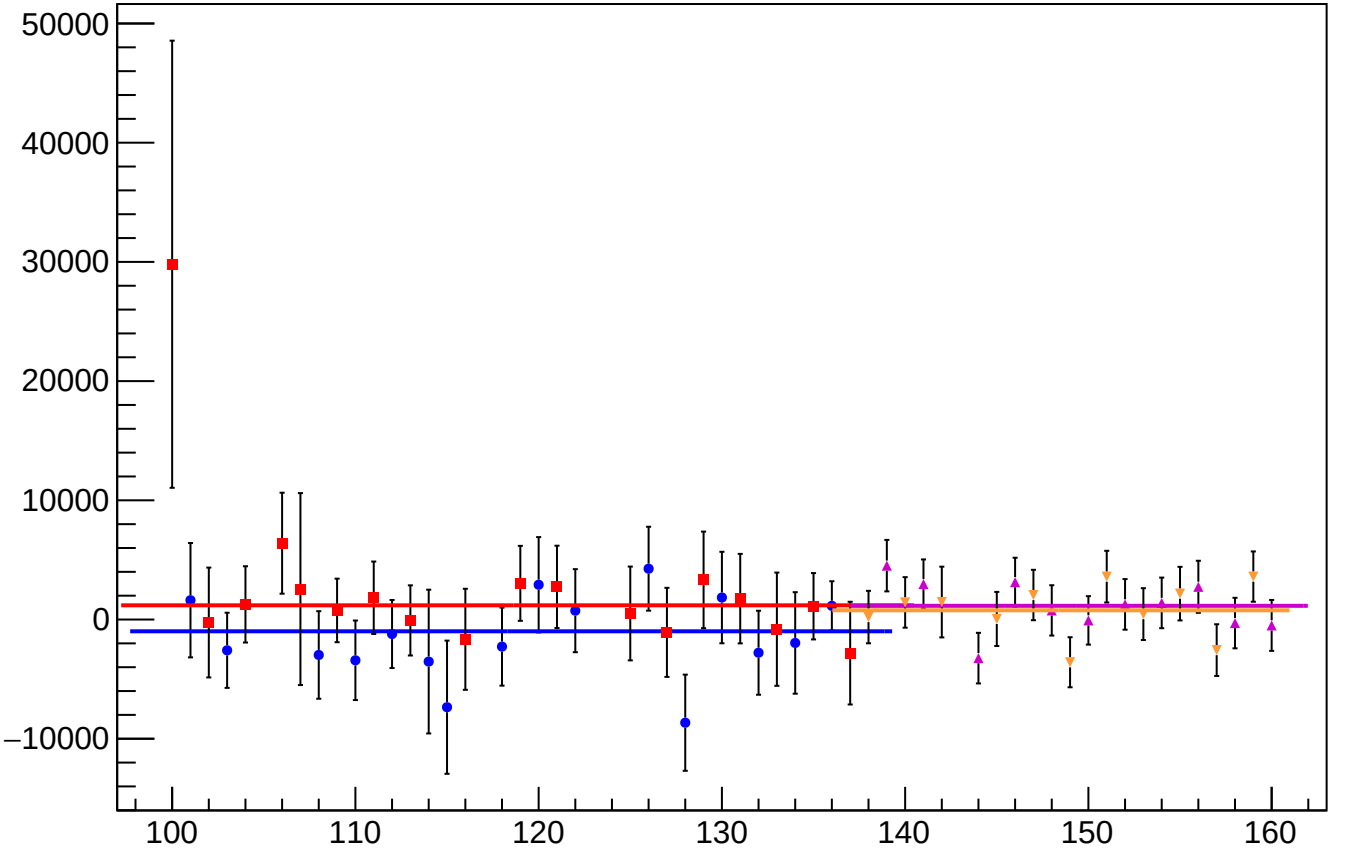
Left In: 811.443+/-0.187 χ^2/NDF:123386.8/10

+ sign 891.401+/-0.166 χ^2/NDF: 2897430.9/26

All: 871.146+/-0.113 χ^2/NDF: 6267424.7/55

- 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: 774.291+/-667.093 χ^2/NDF:11.3/10

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

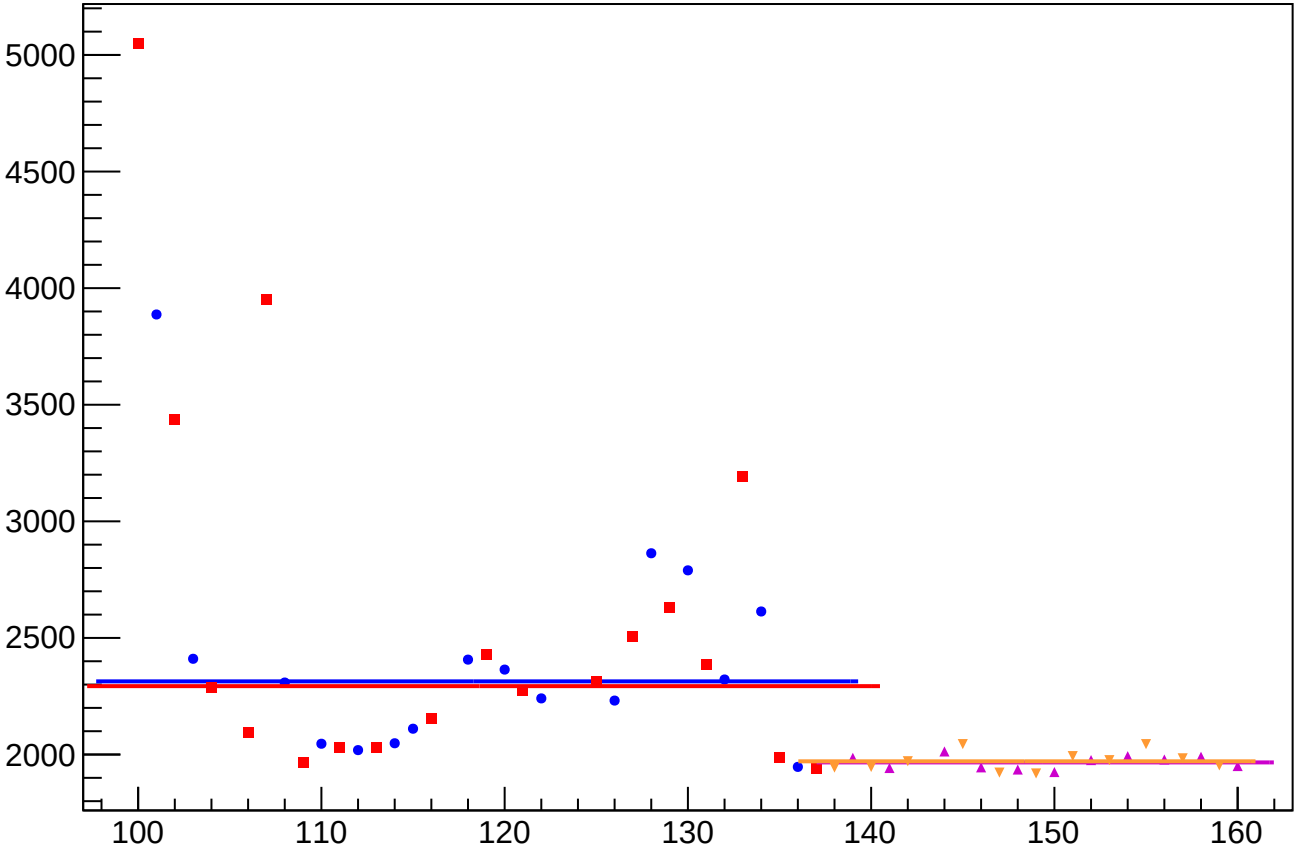
Left In: 1150.548+/-636.027 χ^2/NDF:10.4/10

\+ sign 125.583+/-530.243 χ^2/NDF: 25.8/26

All: 661.941+/-368.891 χ^2/NDF: 45.2/55

\- 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: 1970.859+/-0.472 χ^2/NDF:7533.0/10

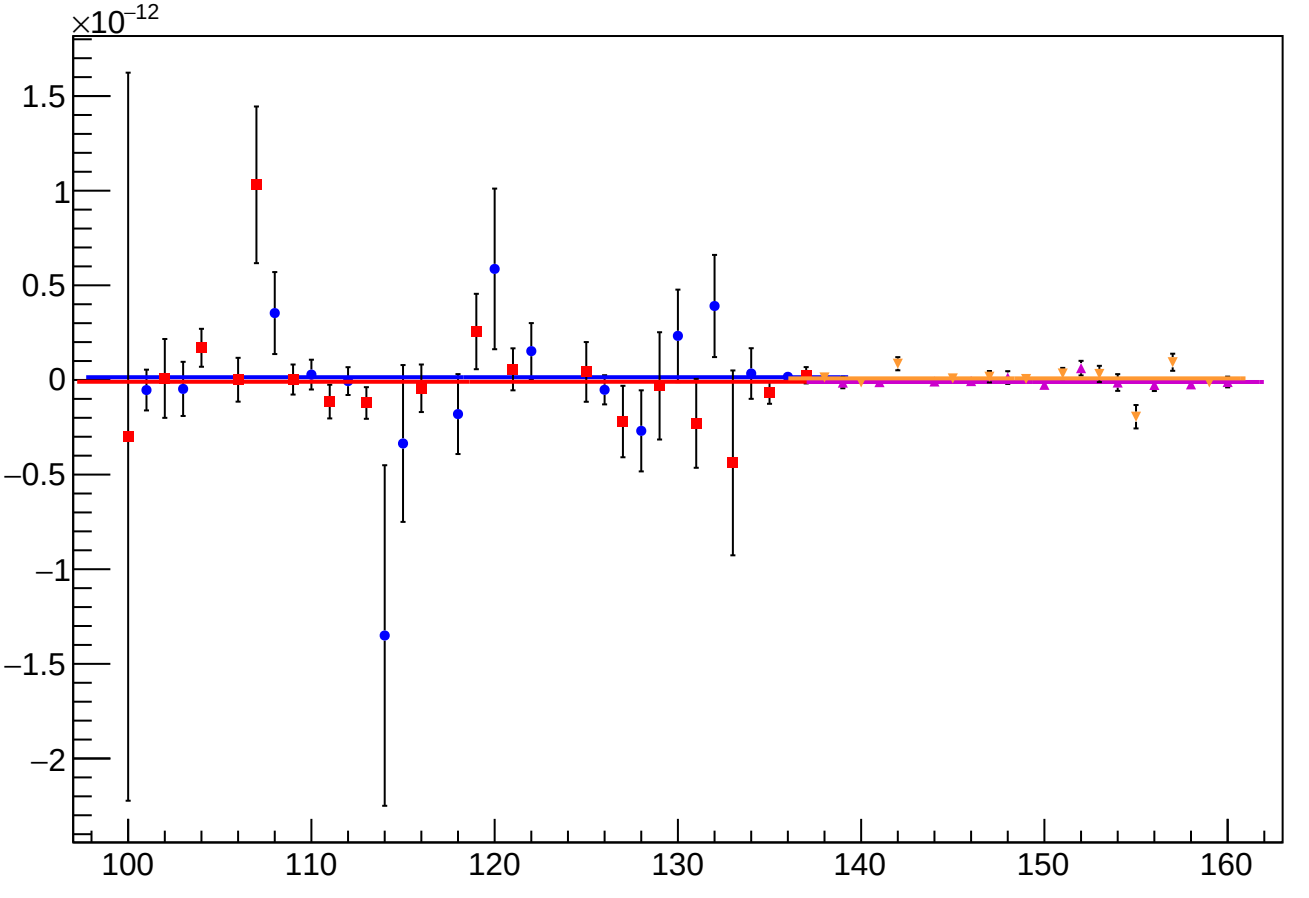
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1966.179+/-0.450 χ^2/NDF:3670.4/10

+ sign 2097.110+/-0.375 χ^2/NDF: 604840.4/26

All: 2088.299+/-0.261 χ^2/NDF: 1246905.6/55

- 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:22.9/10

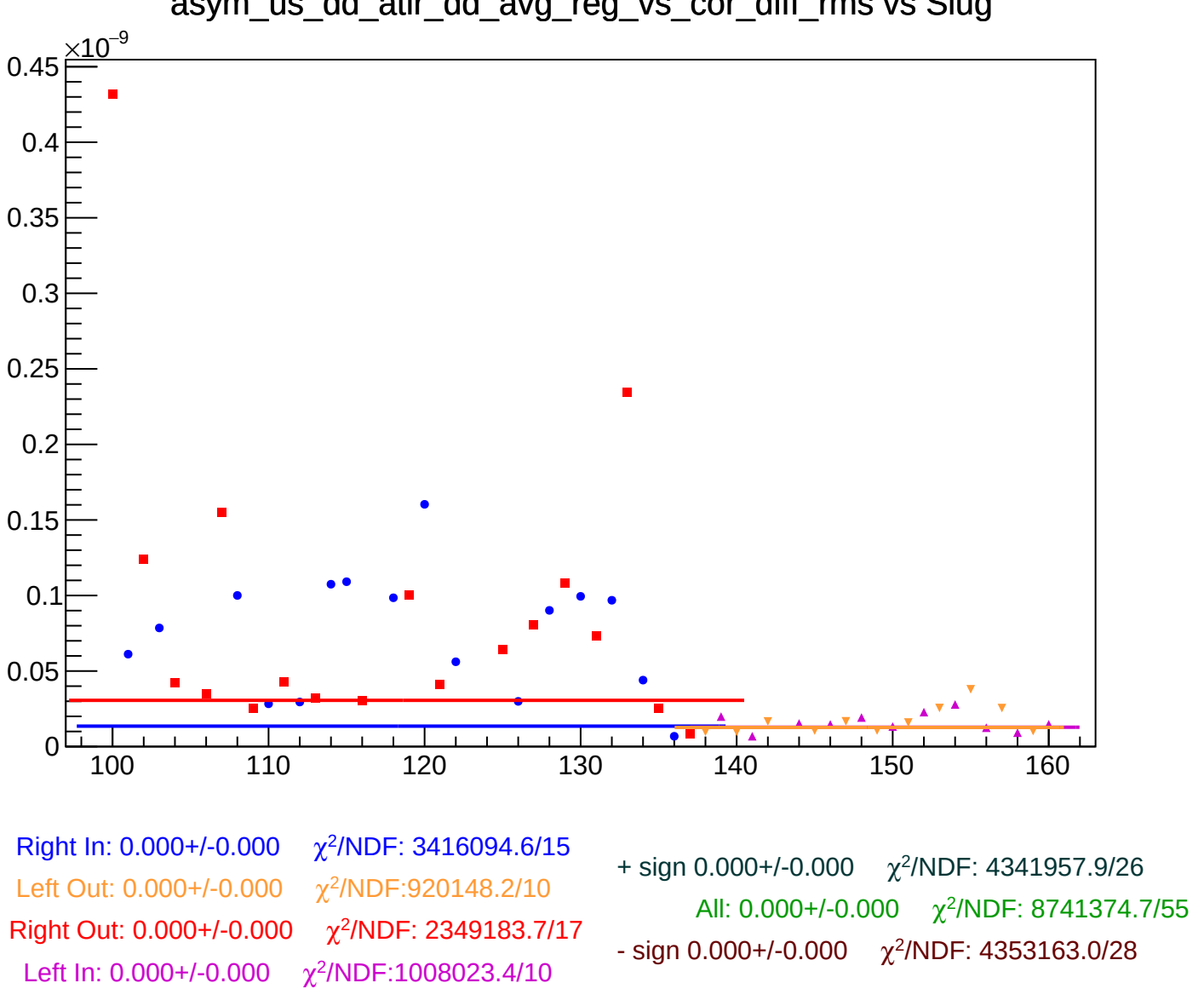
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:5.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 38.0/26

All: 0.000+/-0.000 χ^2/NDF: 67.0/55

- sign -0.000+/-0.000 χ^2/NDF: 24.7/28


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
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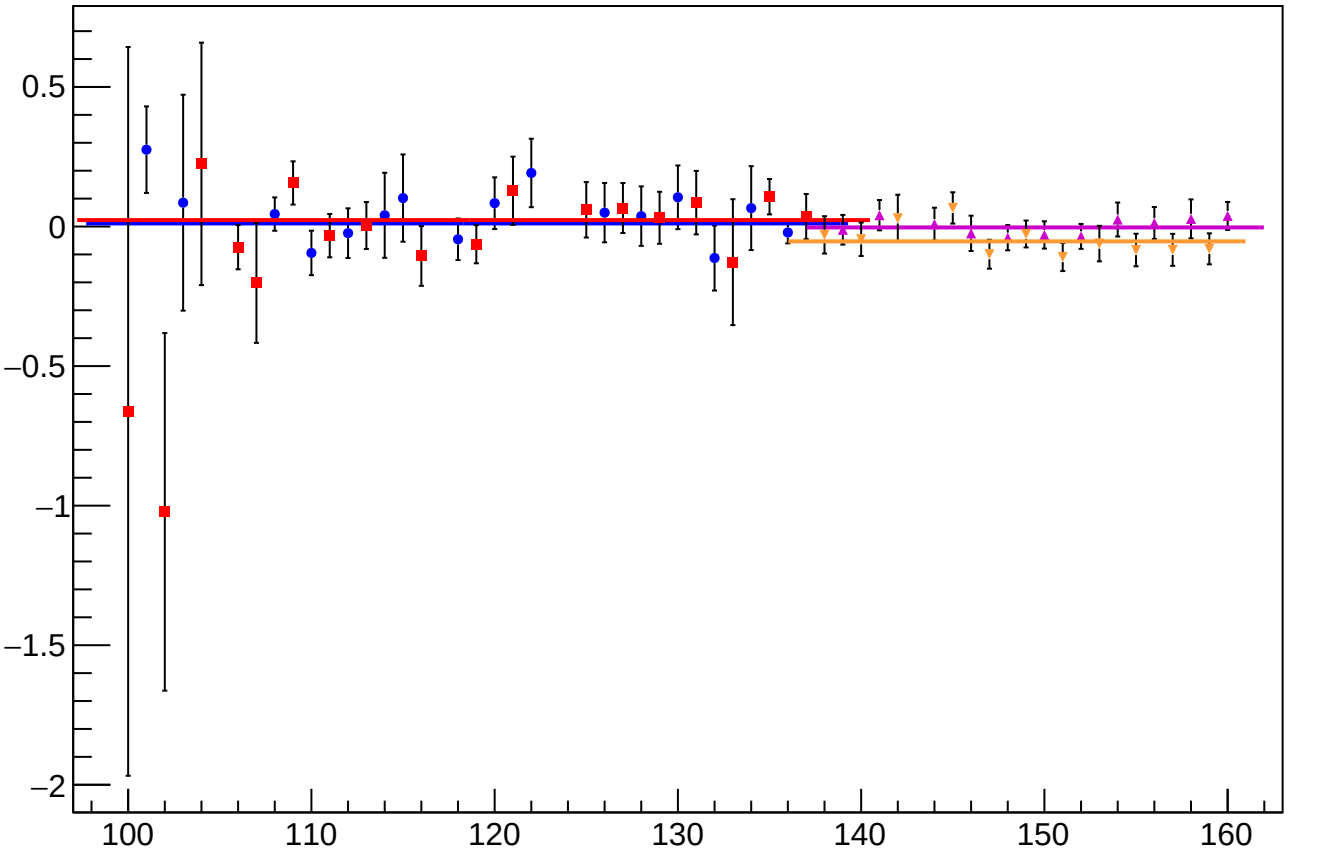
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3416094.6/15
Left Out: 0.000+/-0.000 χ²/NDF:920148.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 2349183.7/17
Left In: 0.000+/-0.000 χ²/NDF:1008023.4/10
+ sign 0.000+/-0.000 χ²/NDF: 4341957.9/26
All: 0.000+/-0.000 χ²/NDF: 8741374.7/55
- sign 0.000+/-0.000 χ²/NDF: 4353163.0/28



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.053+/-0.017 χ^2/NDF:8.8/10

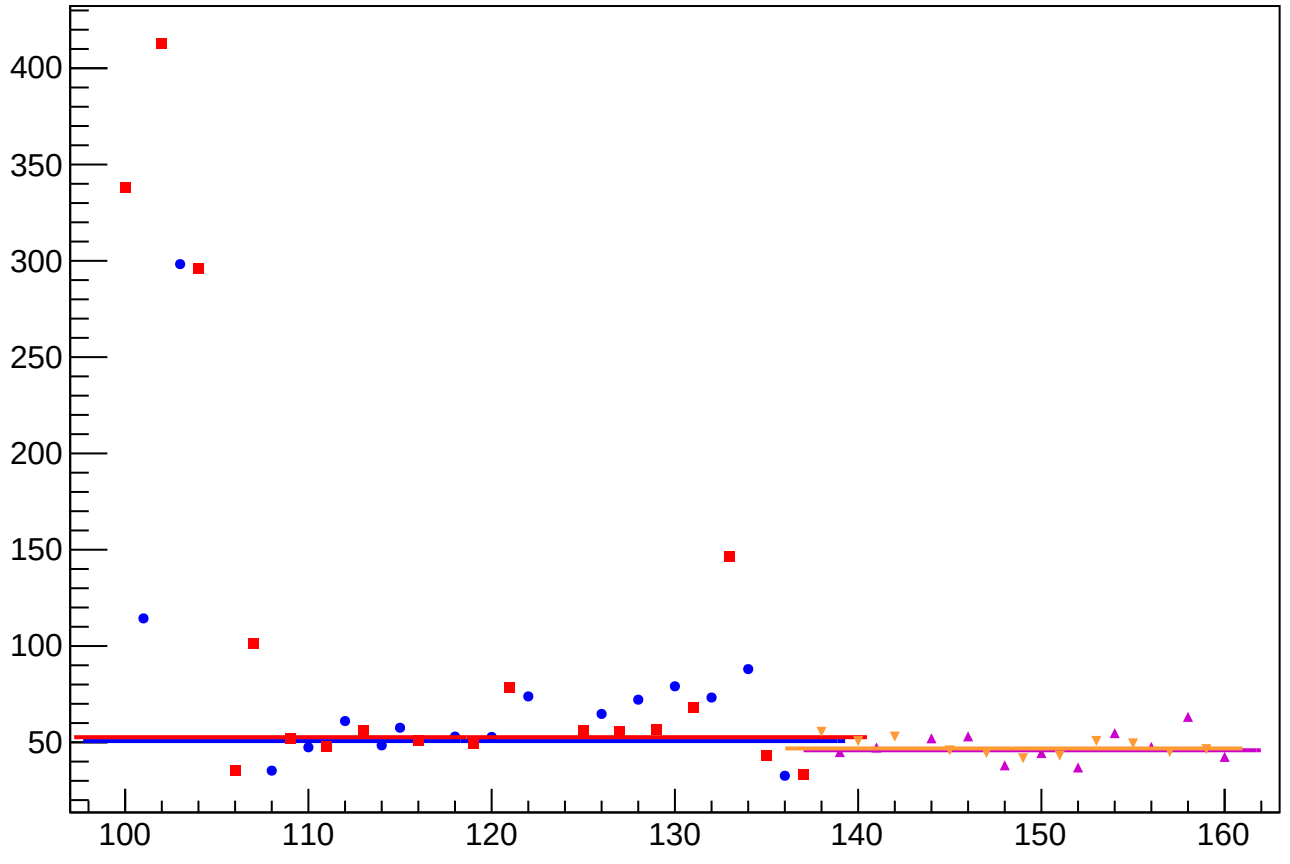
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.003+/-0.016 χ^2/NDF:3.5/10

+ sign -0.028+/-0.014 χ^2/NDF: 25.8/26

All: -0.011+/-0.009 χ^2/NDF: 49.3/55

- 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: 46.816+/-0.012 χ^2/NDF:103613.7/10

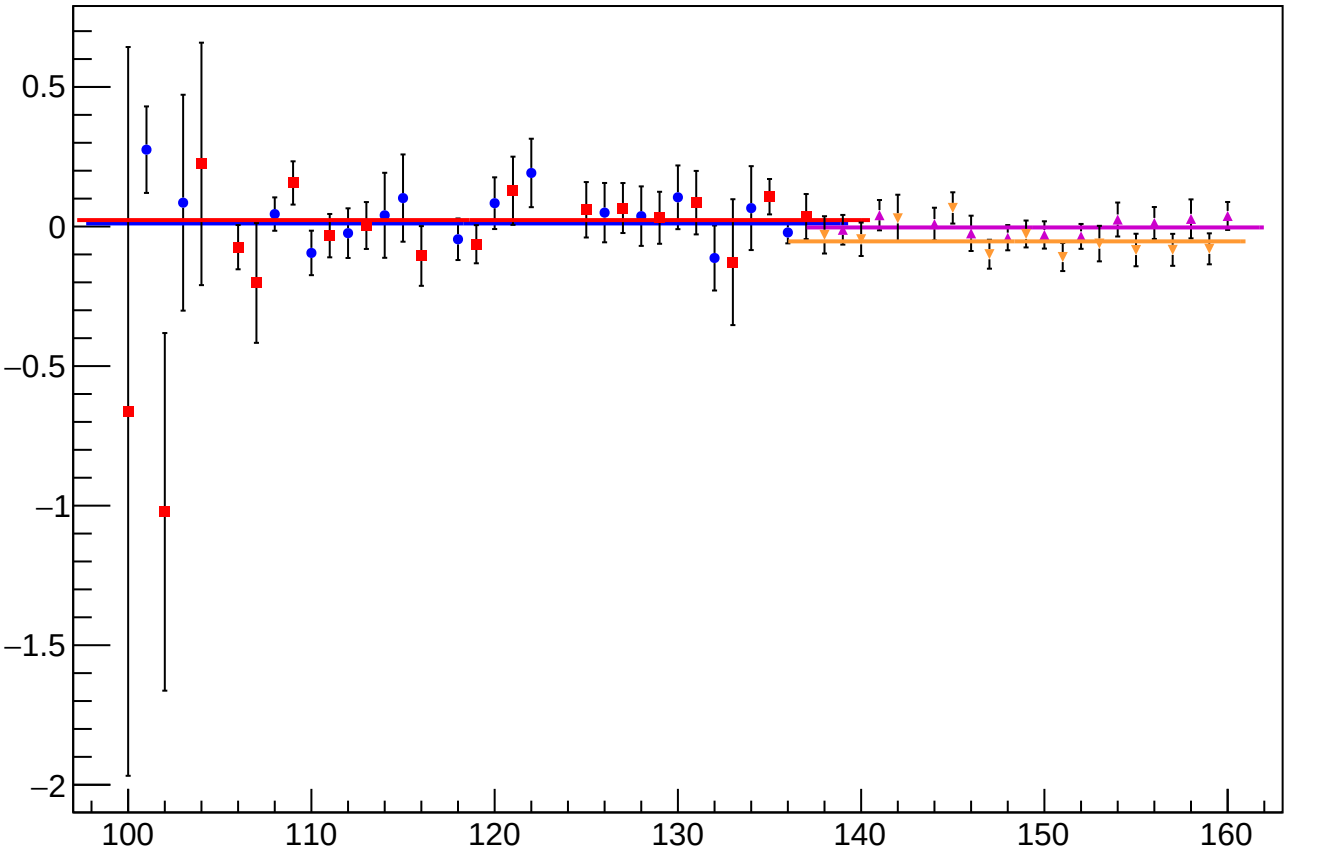
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.877+/-0.011 χ^2/NDF:369512.0/10

\+ sign 48.292+/-0.010 χ^2/NDF: 2407728.6/26

All: 48.198+/-0.007 χ^2/NDF: 5105248.4/55

\- 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: -0.053+/-0.017 χ^2/NDF:8.8/10

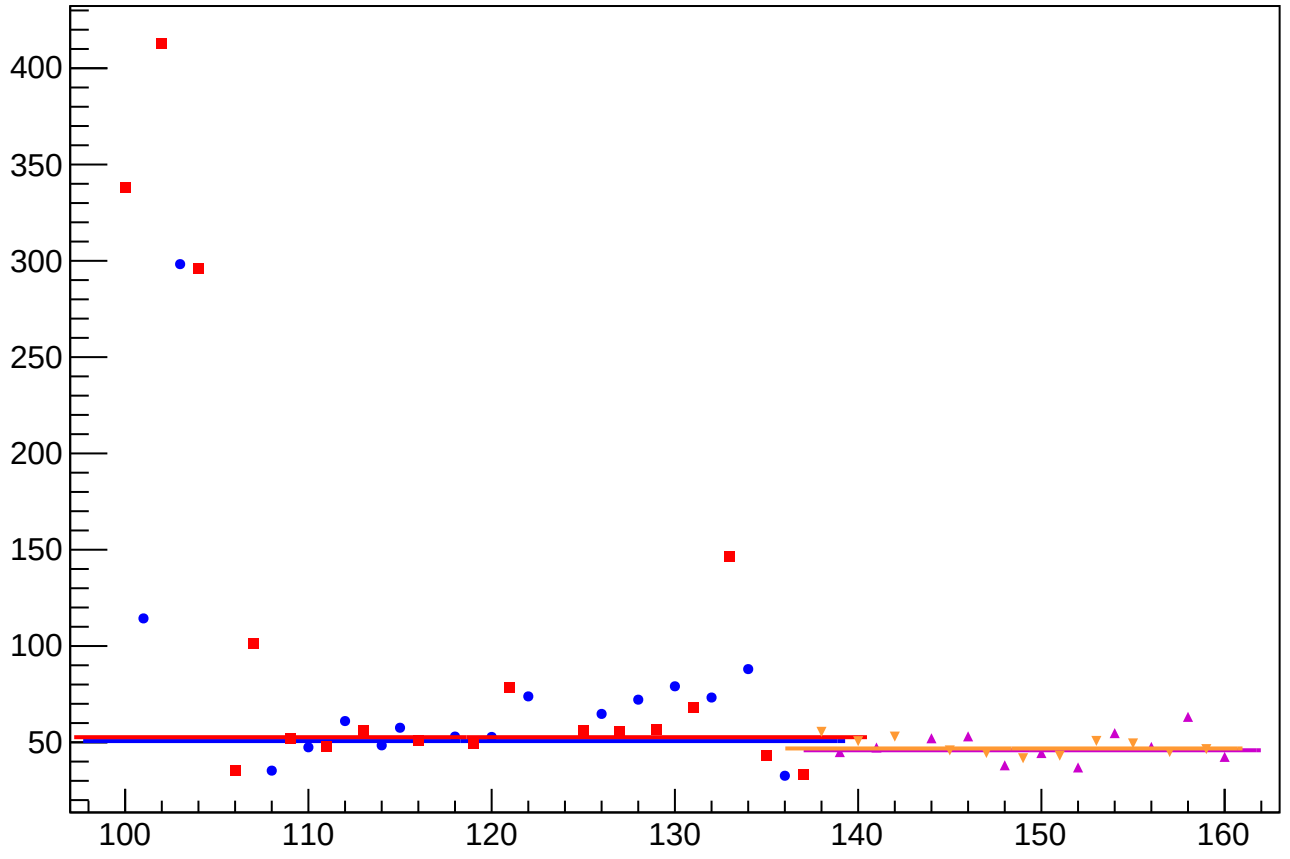
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.003+/-0.016 χ^2/NDF:3.5/10

+ sign -0.028+/-0.014 χ^2/NDF: 25.8/26

All: -0.011+/-0.009 χ^2/NDF: 49.3/55

- 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: 46.816+/-0.012 χ^2/NDF:103613.7/10

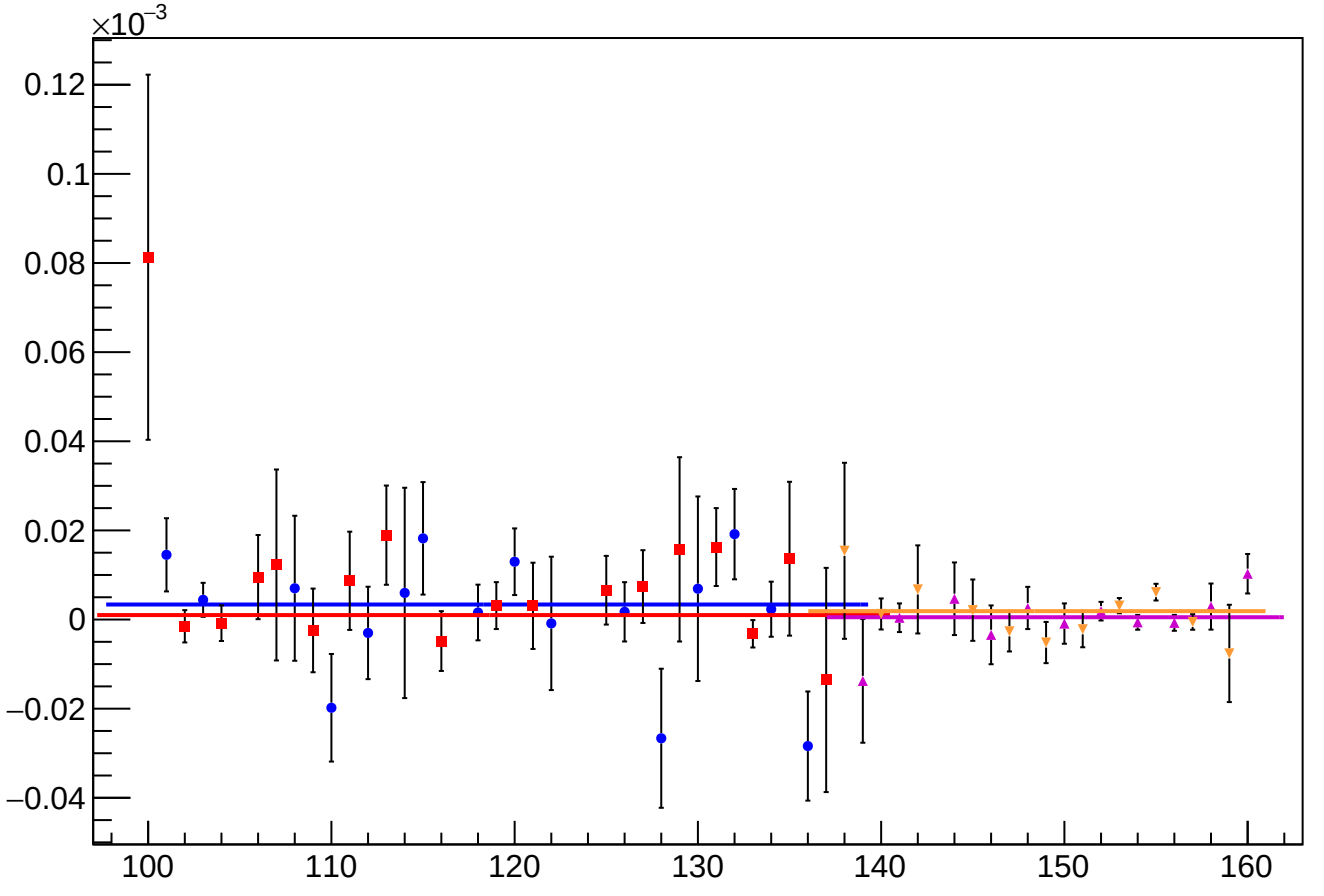
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.877+/-0.011 χ^2/NDF:369512.0/10

\+ sign 48.292+/-0.010 χ^2/NDF: 2407728.6/26

All: 48.198+/-0.007 χ^2/NDF: 5105248.4/55

\- 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:13.5/10

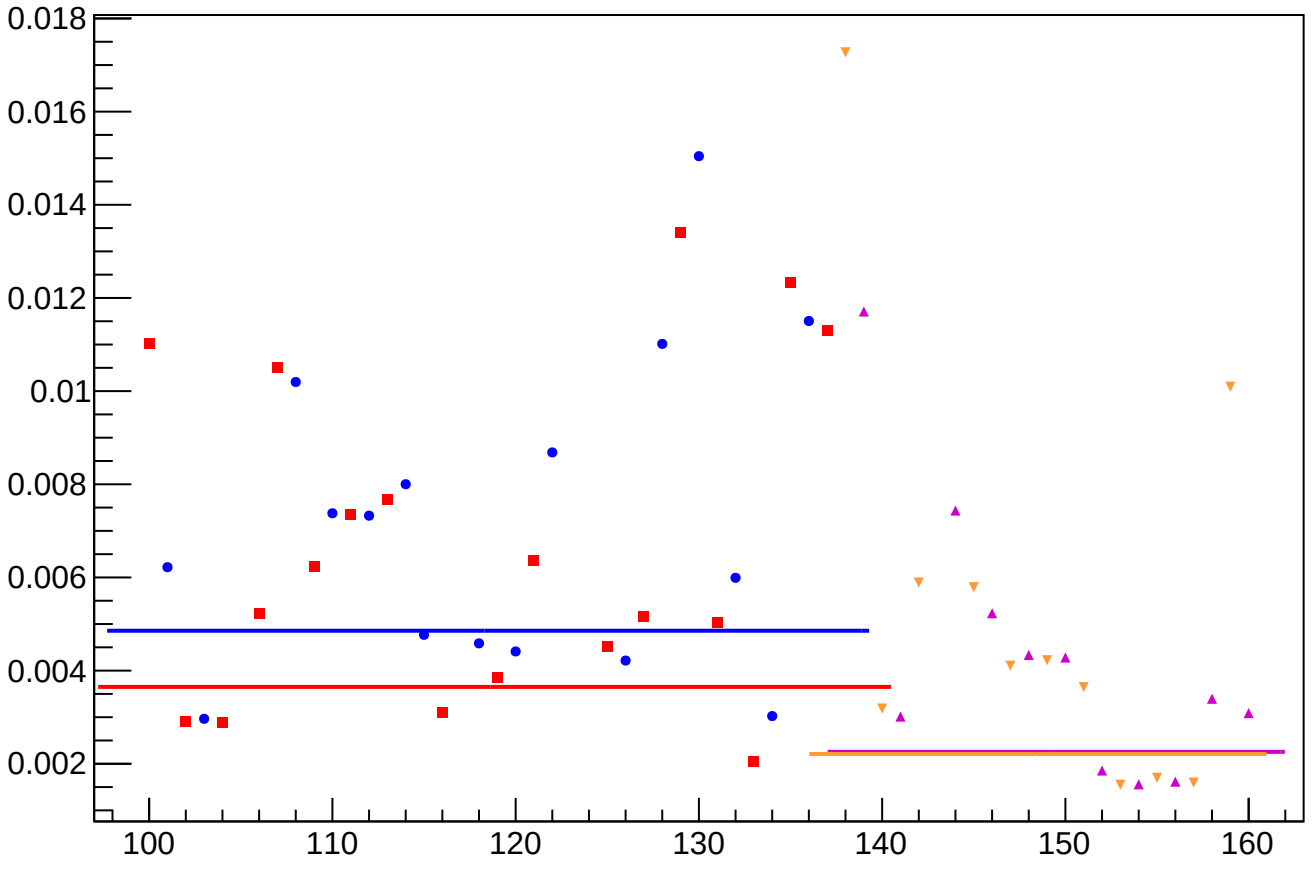
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:8.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/26

All: 0.000+/-0.000 χ^2/NDF: 63.6/55

- 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:4860931.8/10

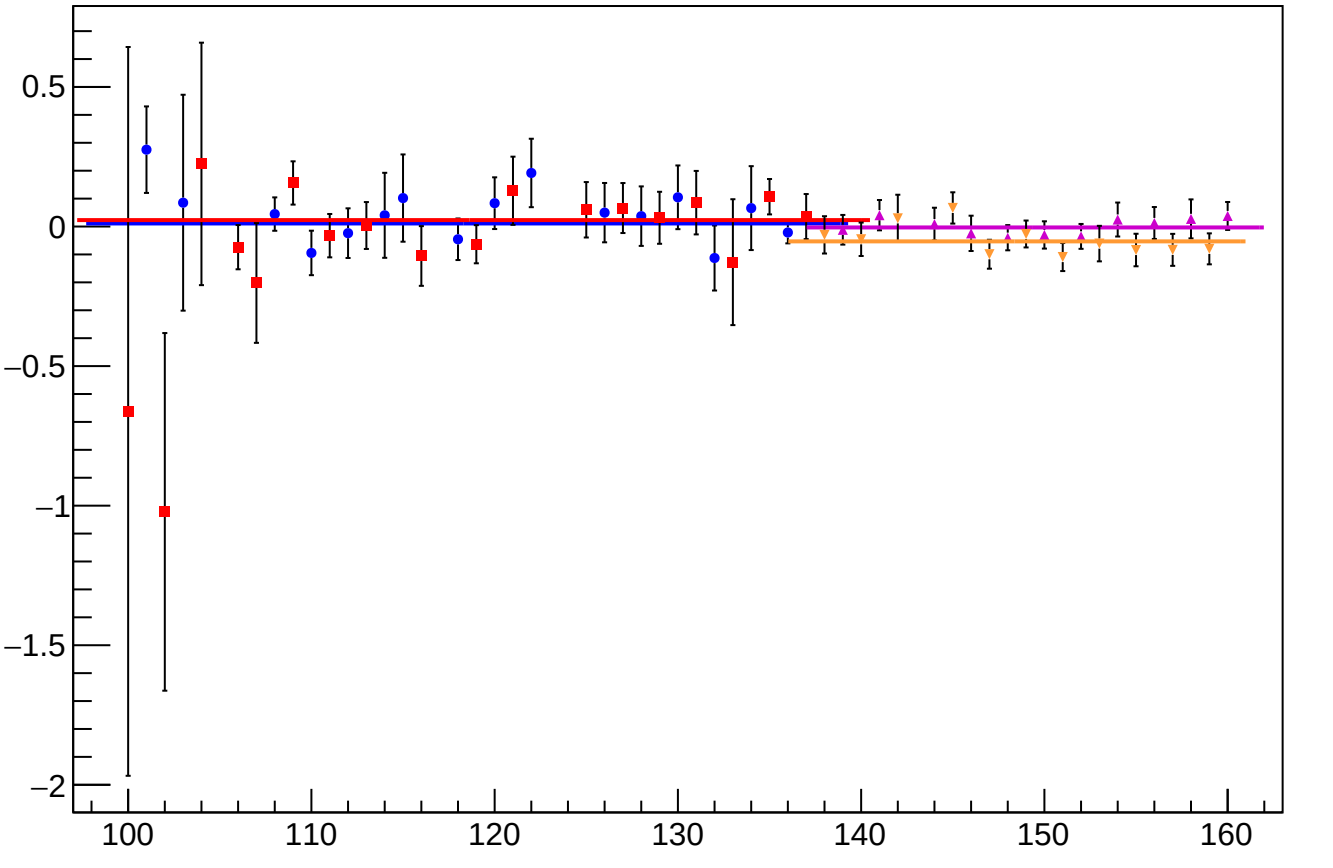
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:3891898.6/10

+ sign 0.003+/-0.000 χ^2/NDF: 10334624.3/26

All: 0.003+/-0.000 χ^2/NDF: 18524380.3/55

- 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: -0.053+/-0.017 χ^2/NDF:8.8/10

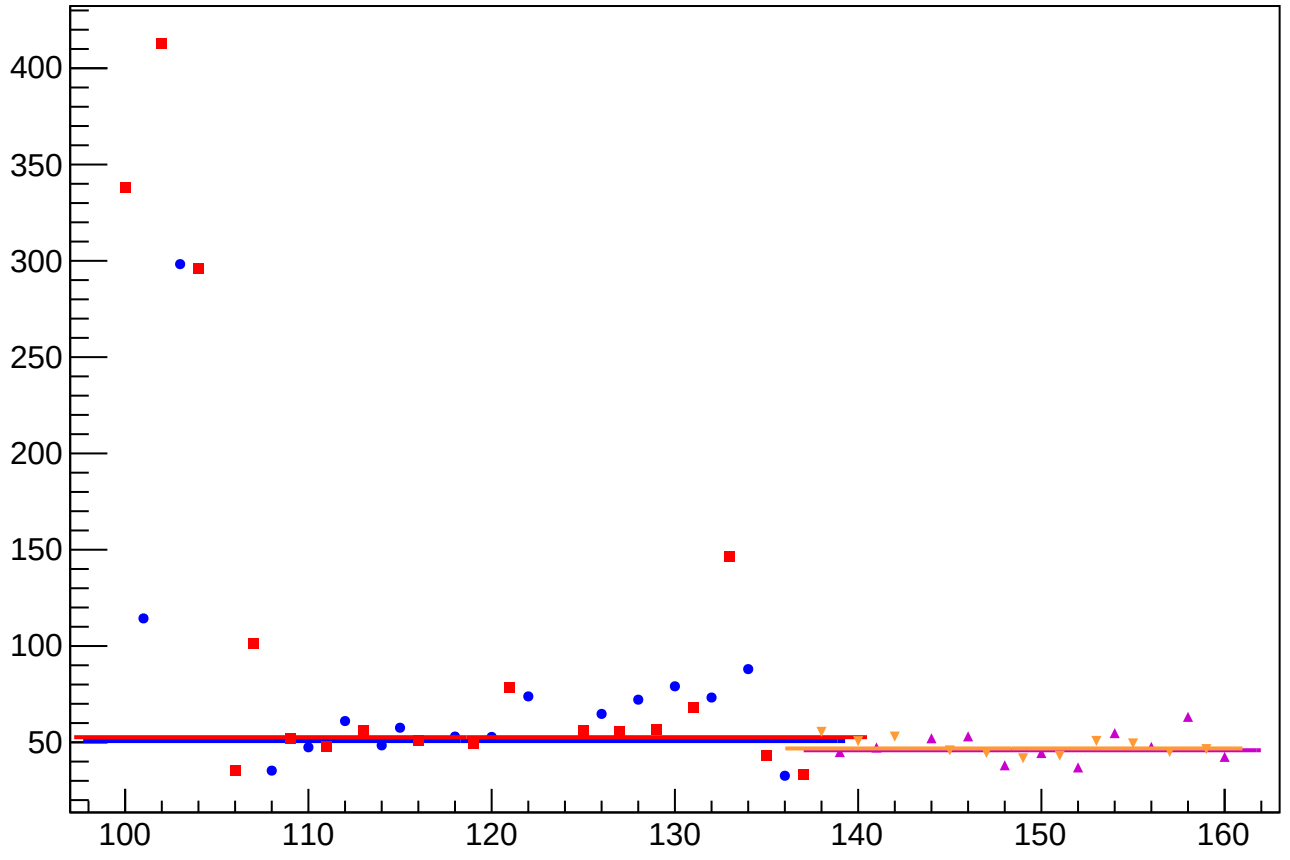
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.003+/-0.016 χ^2/NDF:3.5/10

+ sign -0.028+/-0.014 χ^2/NDF: 25.8/26

All: -0.011+/-0.009 χ^2/NDF: 49.3/55

- sign 0.005+/-0.013 χ^2/NDF: 20.3/28



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 46.816+/-0.012 χ^2/NDF:103630.9/10

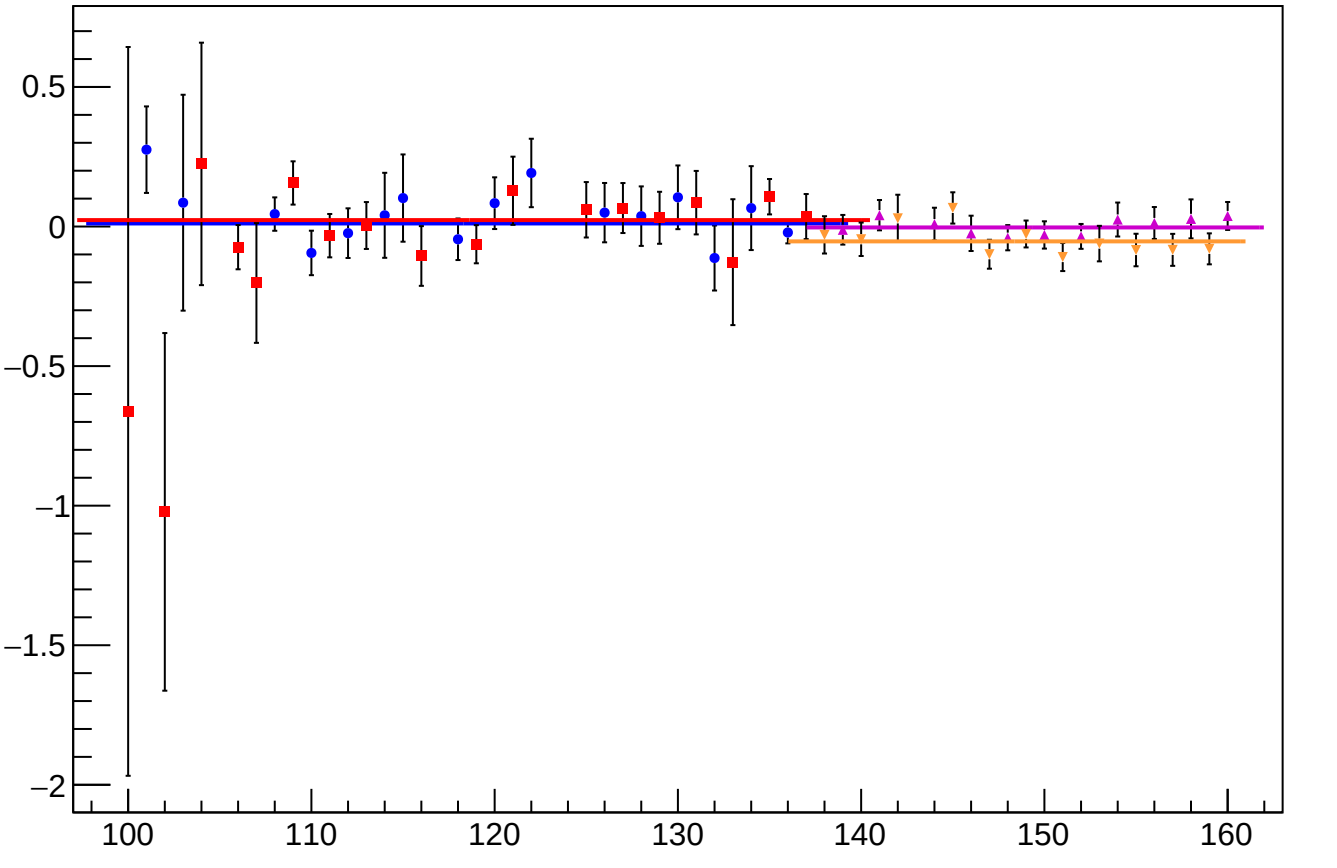
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.877+/-0.011 χ^2/NDF:369495.7/10

+ sign 48.293+/-0.010 χ^2/NDF: 2407653.9/26

All: 48.198+/-0.007 χ^2/NDF: 5105040.2/55

- sign 48.108+/-0.009 χ^2/NDF: 2697197.9/28



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.053+/-0.017 χ^2/NDF:8.8/10

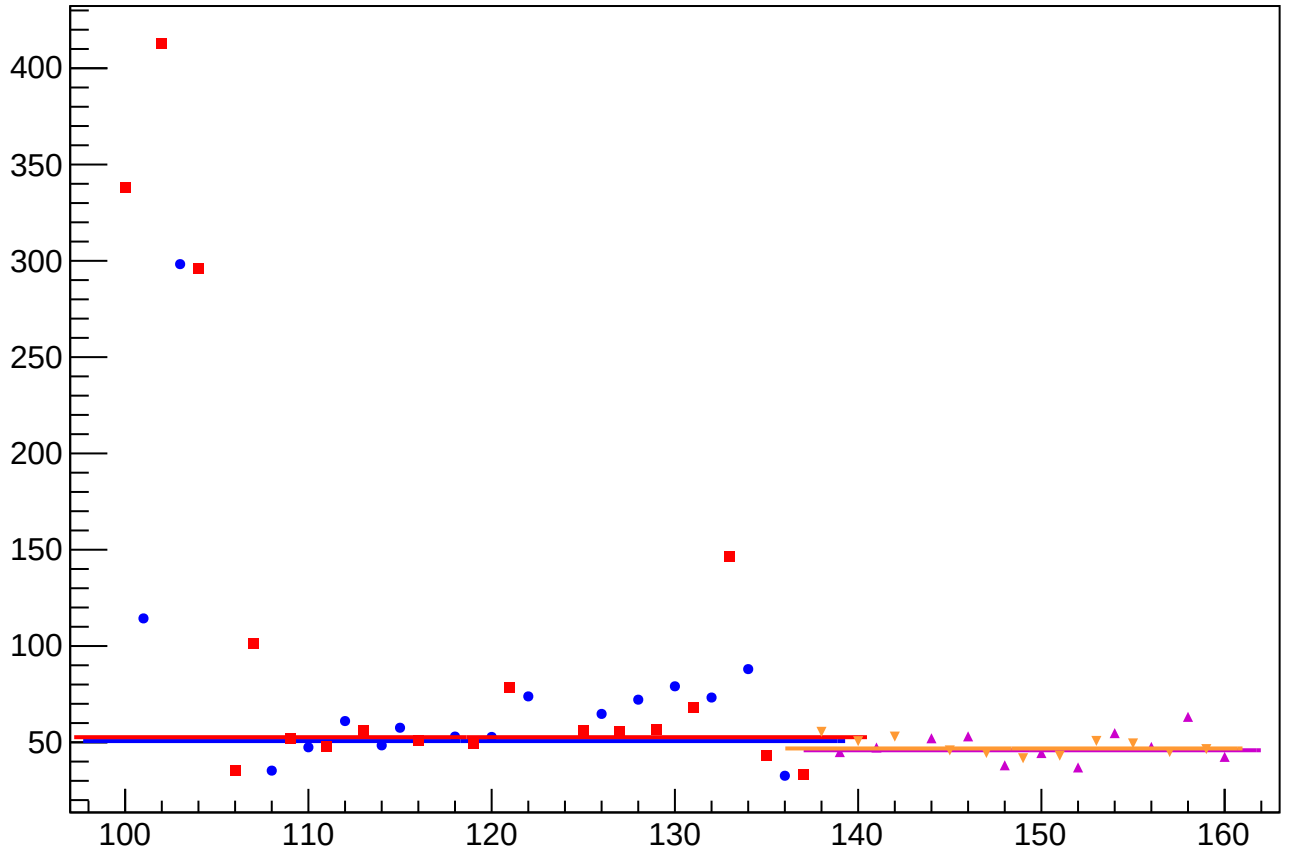
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.003+/-0.016 χ^2/NDF:3.5/10

+ sign -0.028+/-0.014 χ^2/NDF: 25.8/26

All: -0.011+/-0.009 χ^2/NDF: 49.3/55

- sign 0.005+/-0.013 χ^2/NDF: 20.3/28



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 46.816+/-0.012 χ^2/NDF:103630.9/10

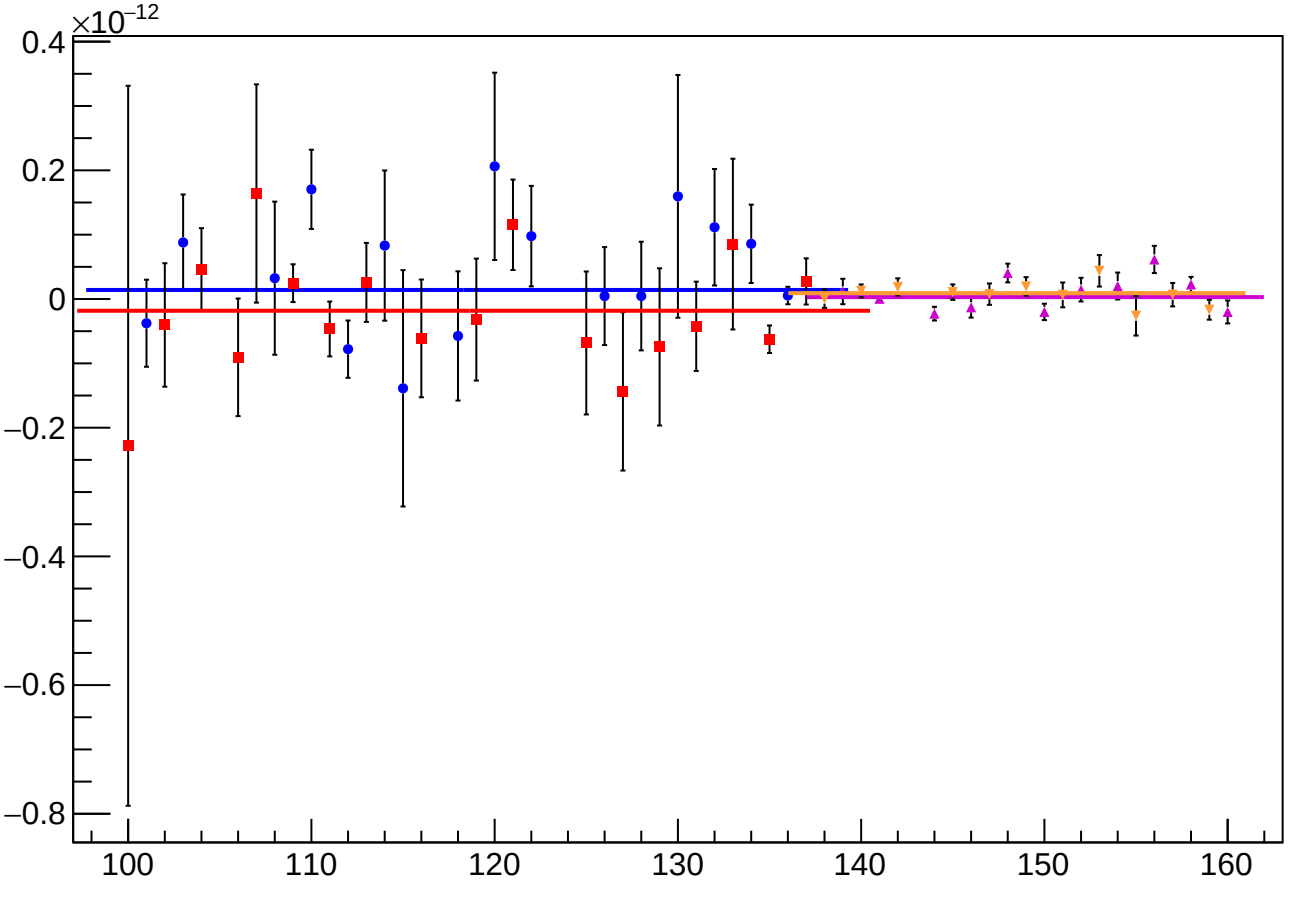
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.877+/-0.011 χ^2/NDF:369495.7/10

+ sign 48.293+/-0.010 χ^2/NDF: 2407653.9/26

All: 48.198+/-0.007 χ^2/NDF: 5105040.2/55

- sign 48.108+/-0.009 χ^2/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:7.7/10

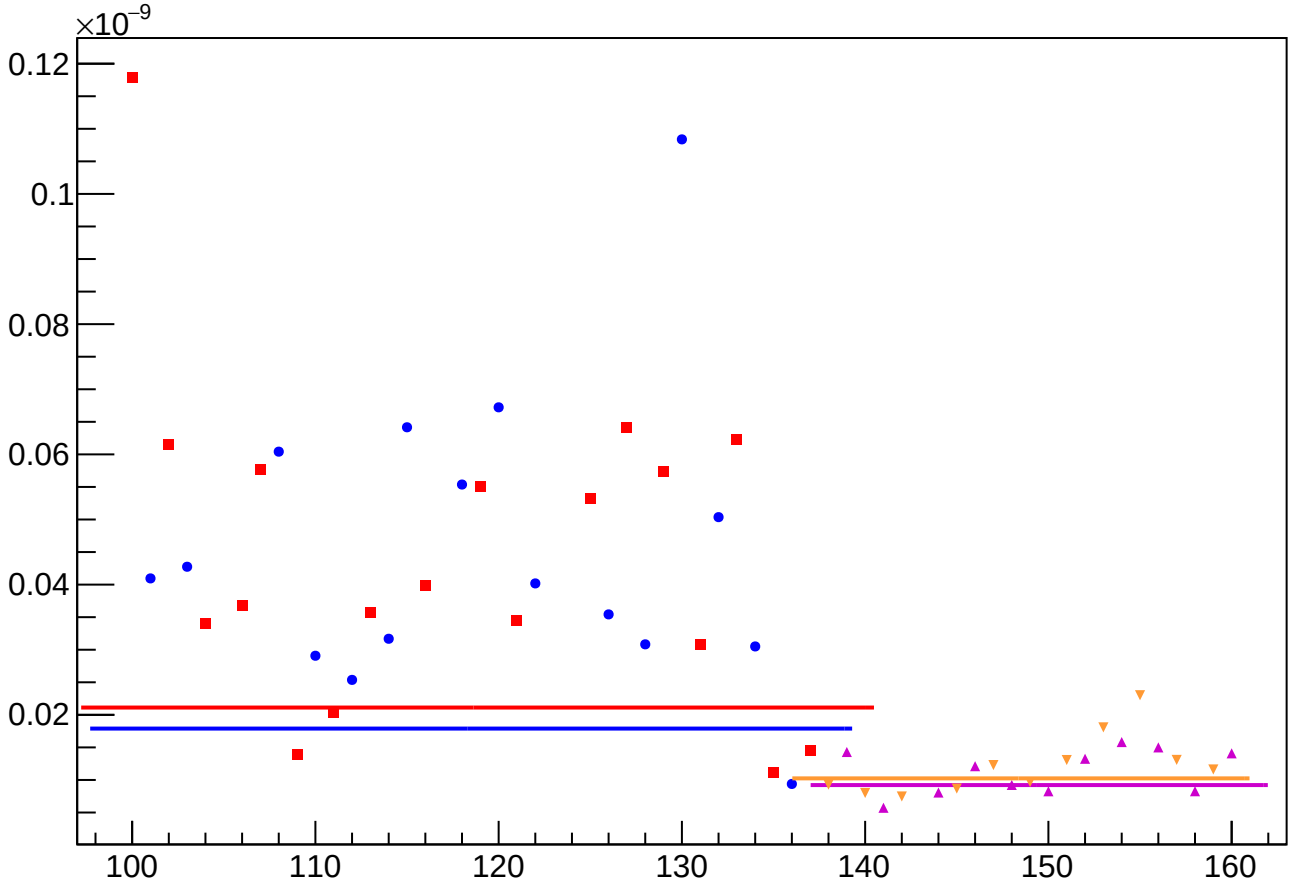
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:30.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 28.2/26

All: 0.000+/-0.000 χ^2/NDF: 81.3/55

- 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:916137.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

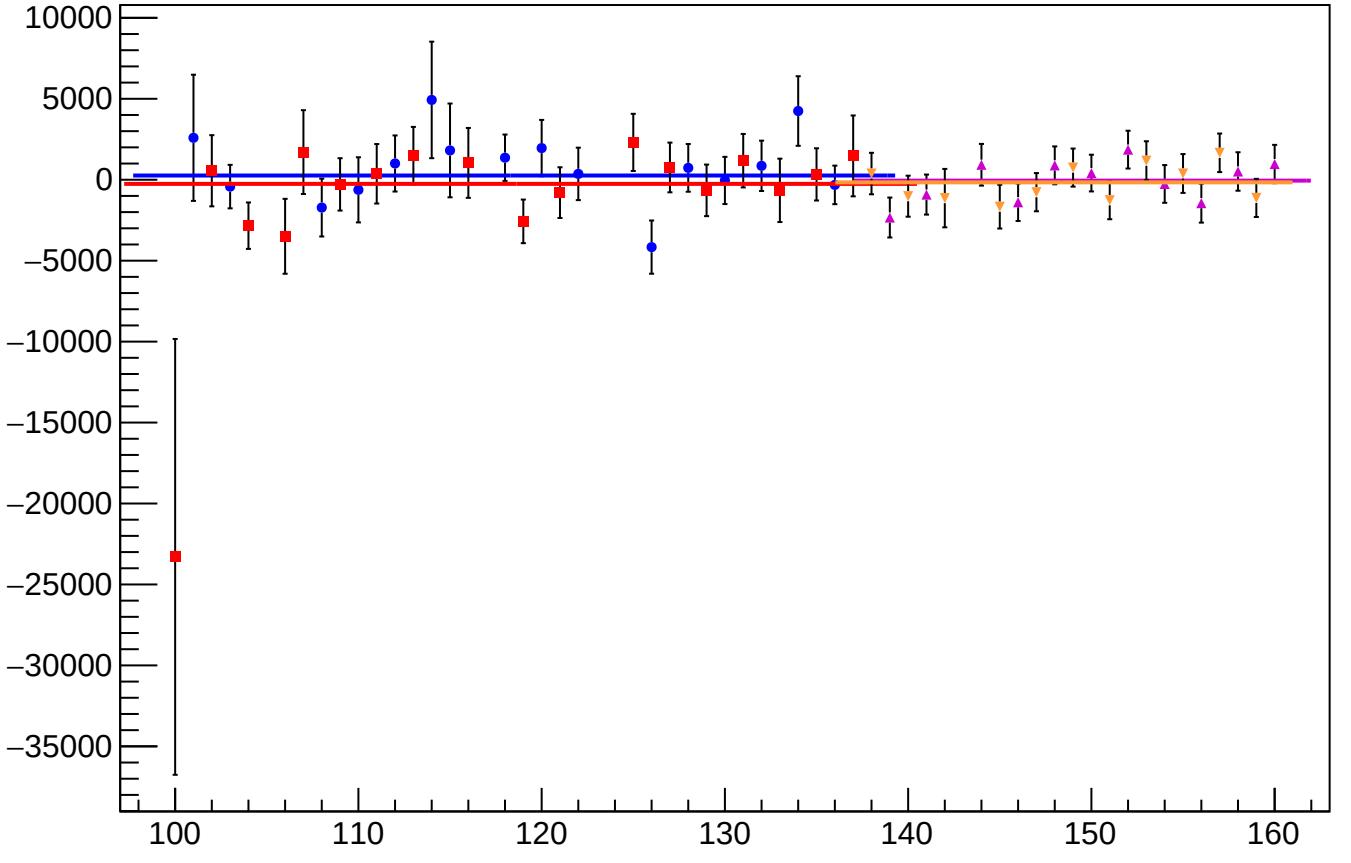
Left In: 0.000+/-0.000 χ^2/NDF:1233615.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 5100036.1/26

All: 0.000+/-0.000 χ^2/NDF: 10642626.6/55

- 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: -162.044+/-376.074 χ^2/NDF:8.4/10

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

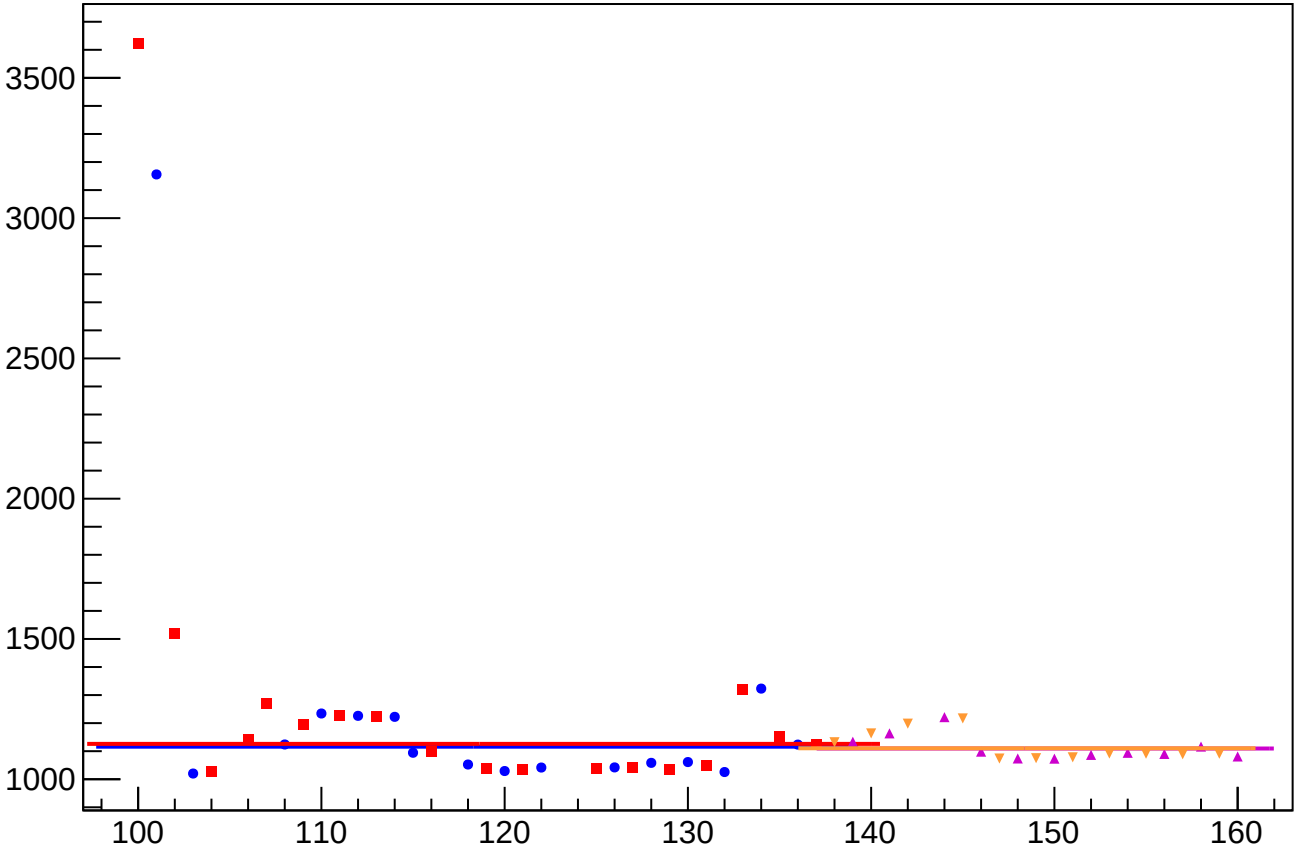
Left In: -54.389+/-359.117 χ^2/NDF:11.7/10

+ sign 23.815+/-281.541 χ^2/NDF: 25.9/26

All: -59.222+/-196.548 χ^2/NDF: 55.2/55

- 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: 1110.390+/-0.266 χ^2/NDF:28662.9/10

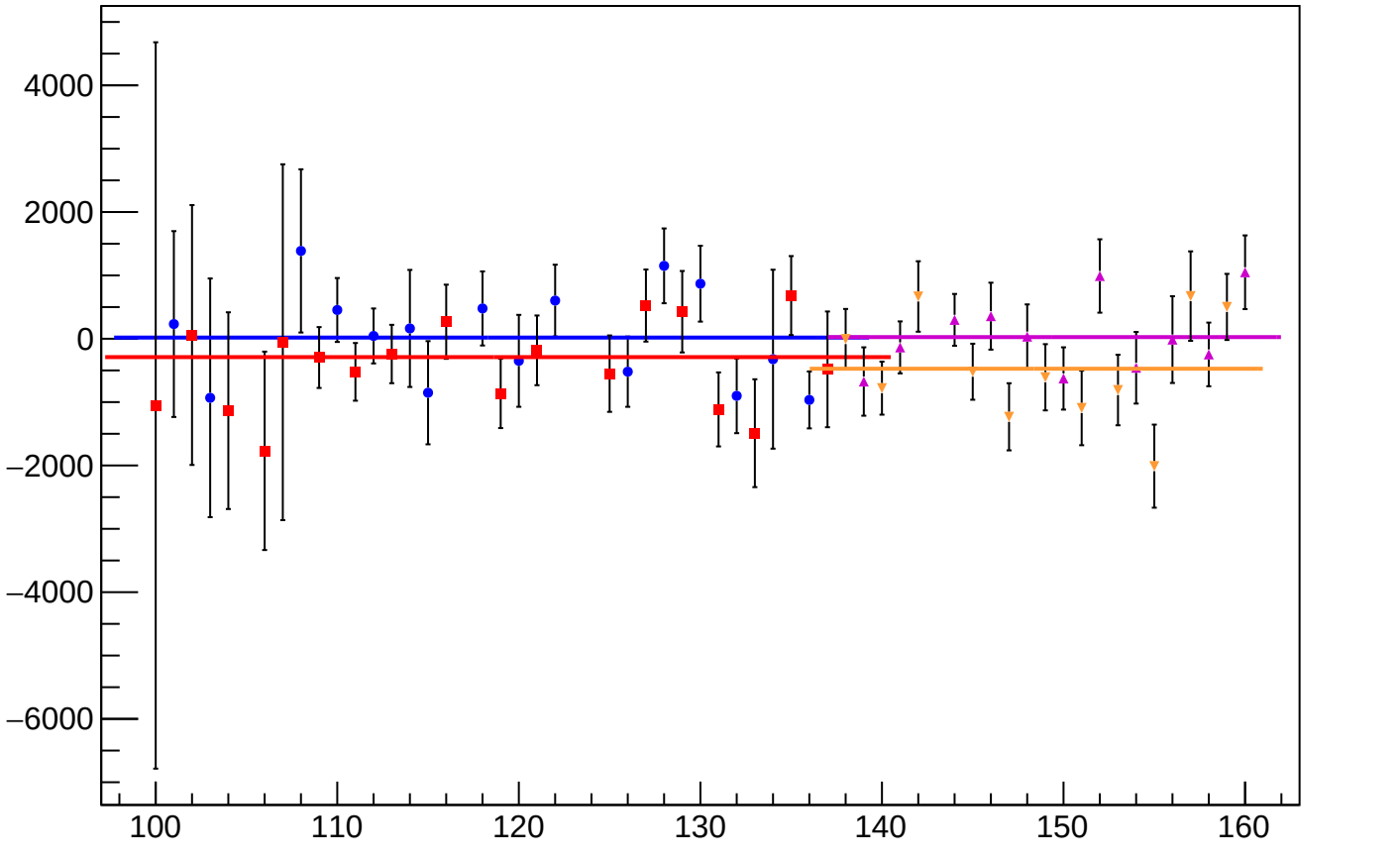
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1109.510+/-0.254 χ^2/NDF:26554.1/10

+ sign 1112.895+/-0.199 χ^2/NDF: 652255.7/26

All: 1114.677+/-0.139 χ^2/NDF: 902828.3/55

- 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: -473.173+/-158.425 χ^2/NDF:20.9/10

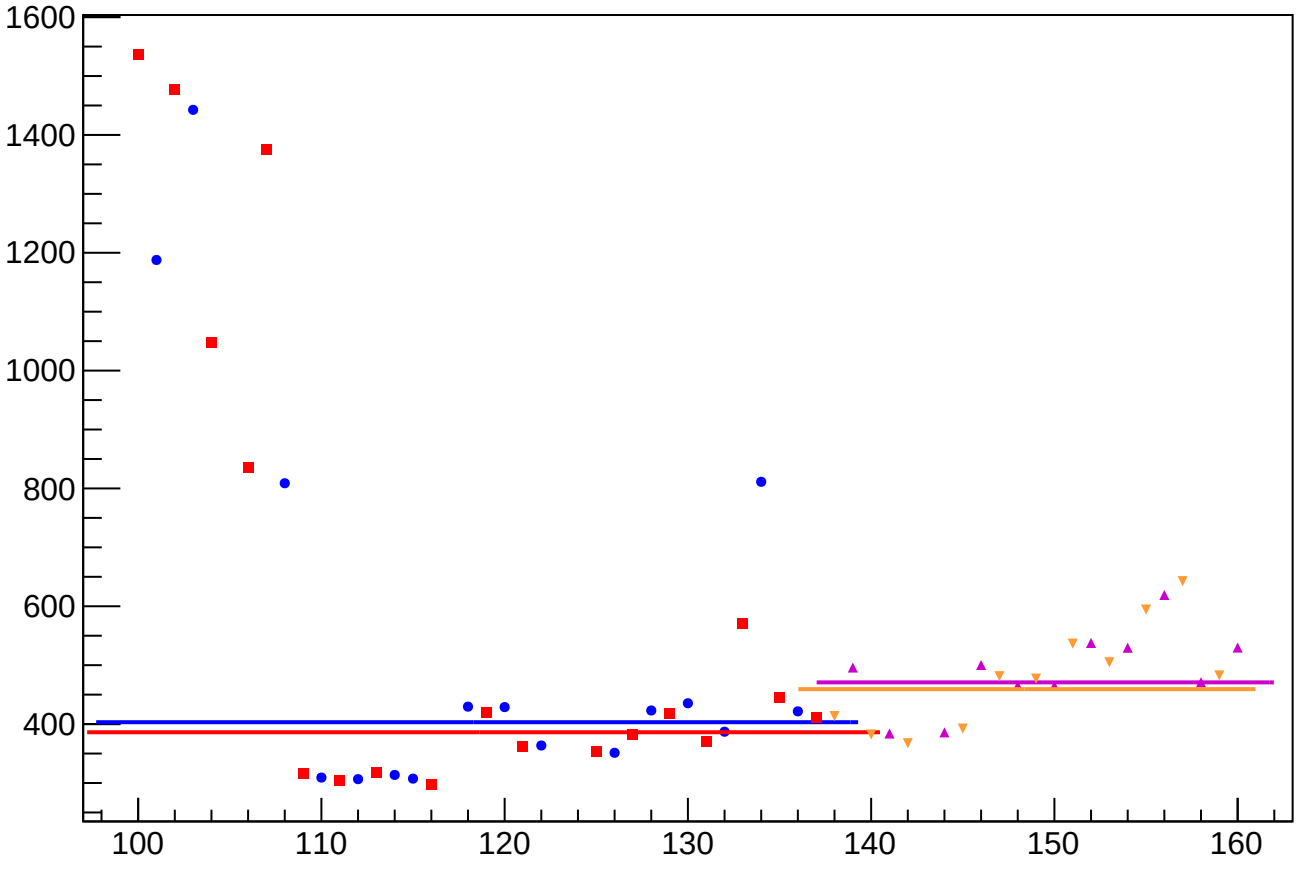
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 25.774+/-154.087 χ^2/NDF:11.3/10

+ sign -231.676+/-113.005 χ^2/NDF: 44.9/26

All: -179.299+/-78.709 χ^2/NDF: 72.2/55

- 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: 459.312+/-0.112 χ^2/NDF:463875.4/10

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

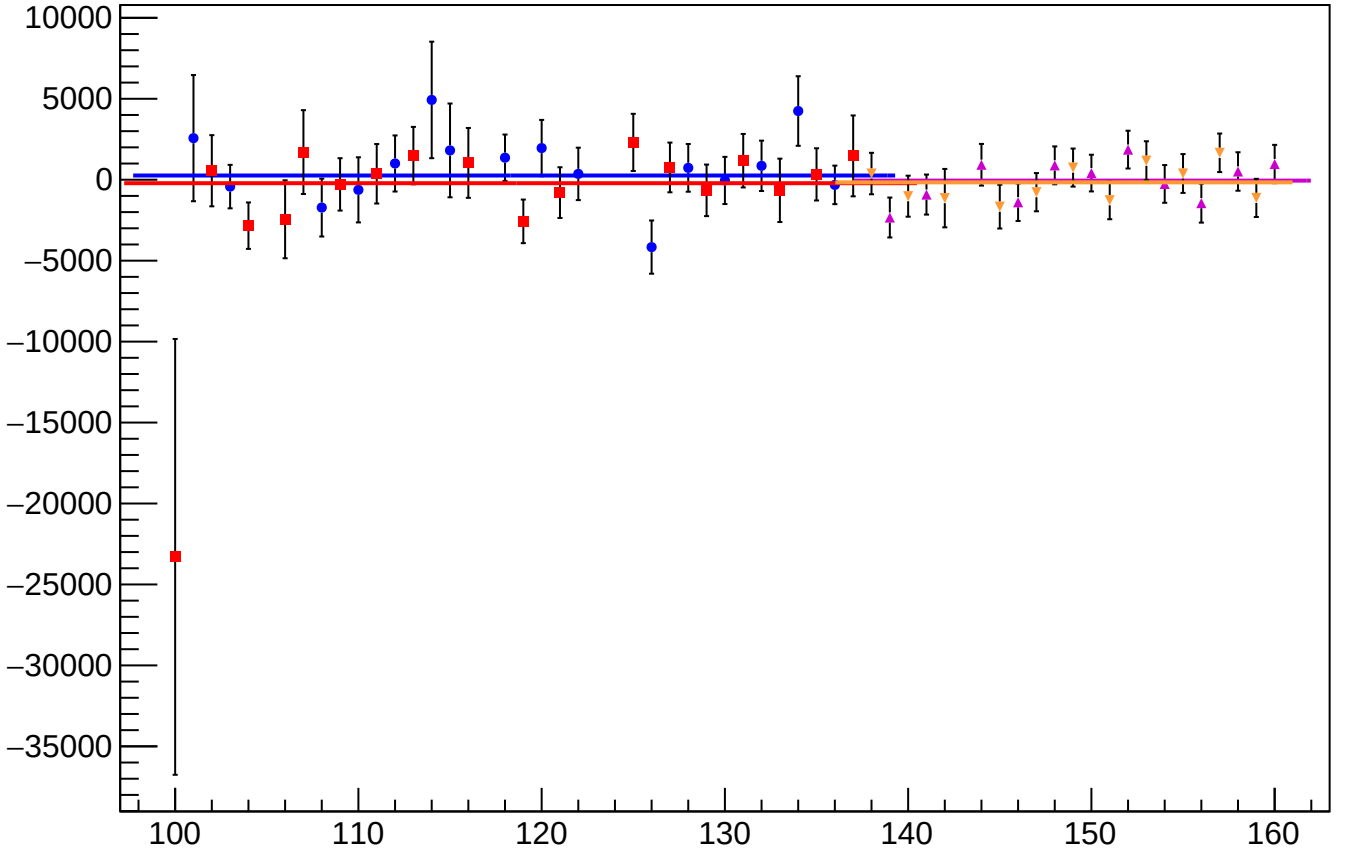
Left In: 470.802+/-0.109 χ^2/NDF:349665.3/10

+ sign 431.747+/-0.080 χ^2/NDF: 2395574.1/26

All: 430.357+/-0.056 χ^2/NDF: 4802693.4/55

- 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: -162.056+/-376.074 χ^2/NDF:8.4/10

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

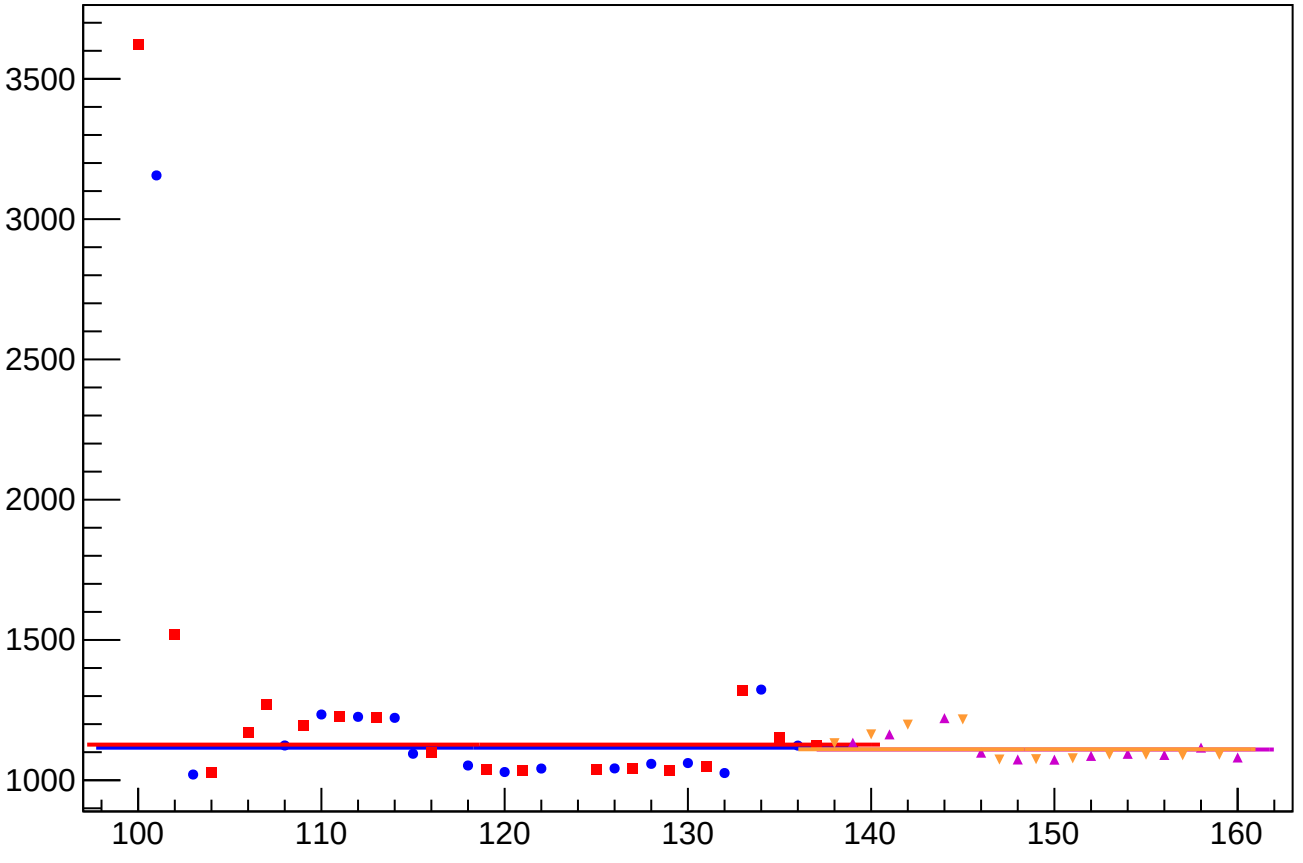
Left In: -54.390+/-359.117 χ^2/NDF:11.7/10

+ sign 23.640+/-281.541 χ^2/NDF: 25.9/26

All: -50.387+/-196.603 χ^2/NDF: 54.0/55

- 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: 1110.390+/-0.266 χ^2/NDF:28662.9/10

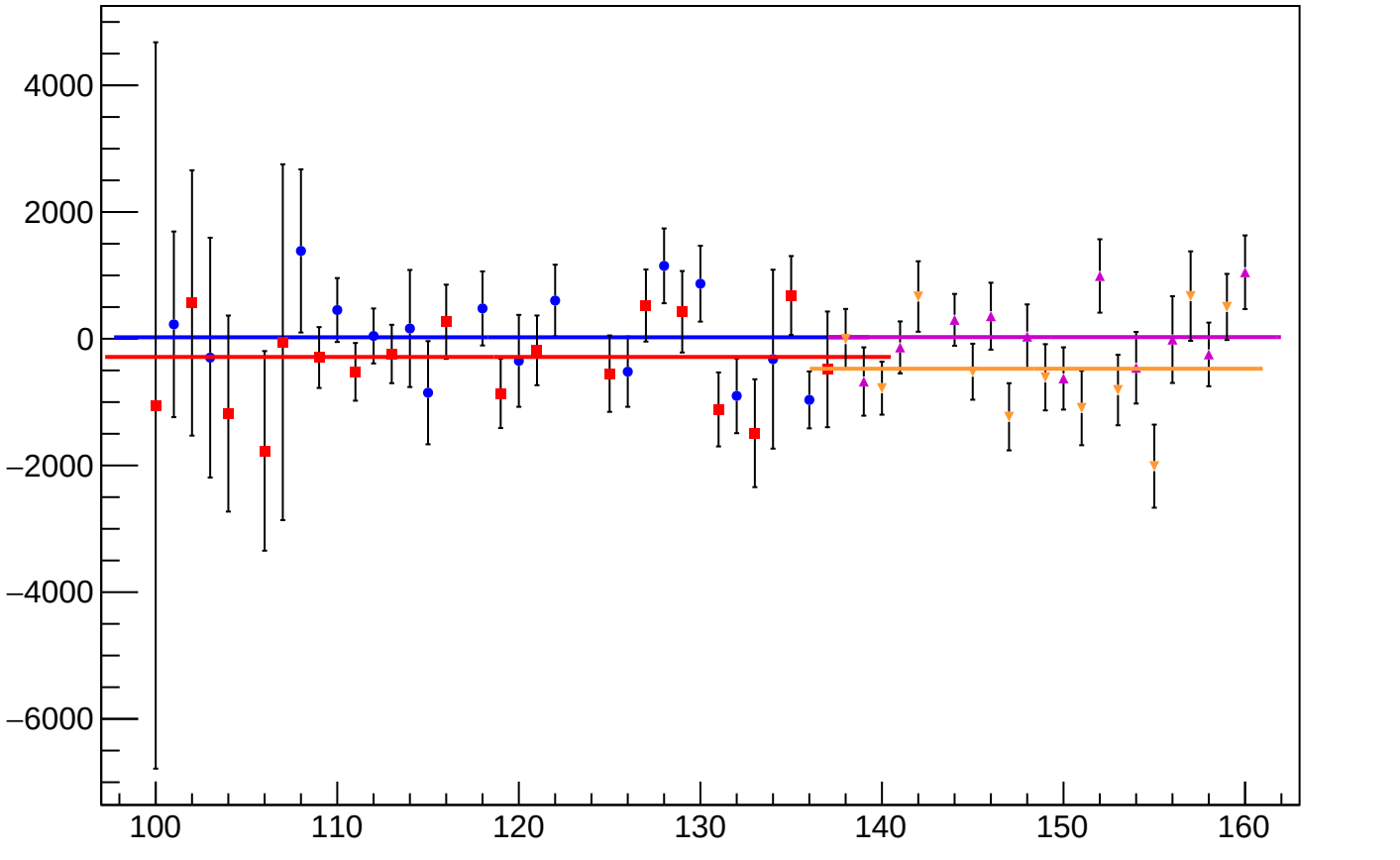
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1109.510+/-0.254 χ^2/NDF:26554.1/10

+ sign 1112.895+/-0.199 χ^2/NDF: 652256.7/26

All: 1114.871+/-0.139 χ^2/NDF: 903703.4/55

- 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: -473.272+/-158.425 χ^2/NDF:20.9/10

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

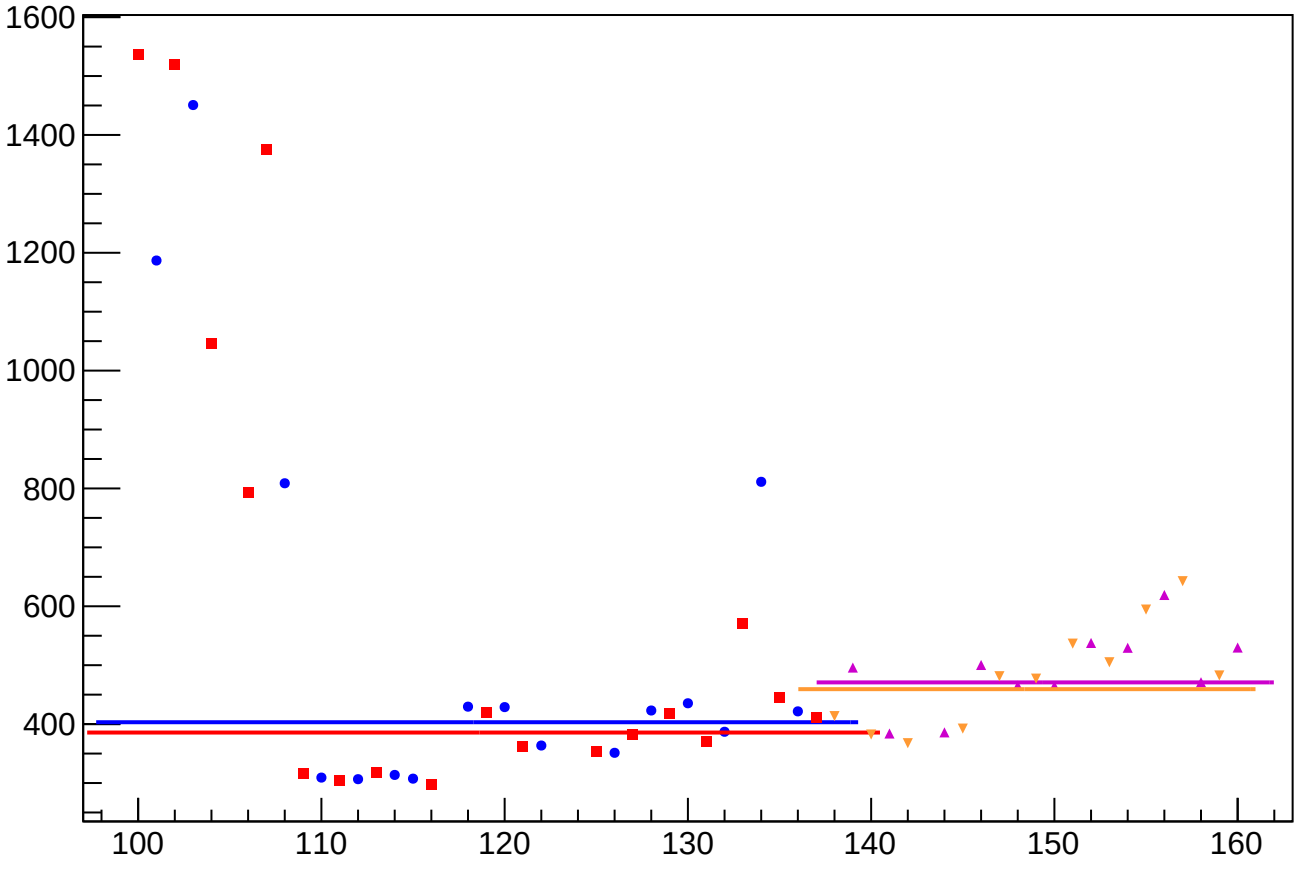
Left In: 25.730+/-154.086 χ^2/NDF:11.4/10

+ sign -229.542+/-113.005 χ^2/NDF: 44.7/26

All: -177.673+/-78.712 χ^2/NDF: 72.2/55

- 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: 459.309+/-0.112 χ^2/NDF:463894.9/10

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

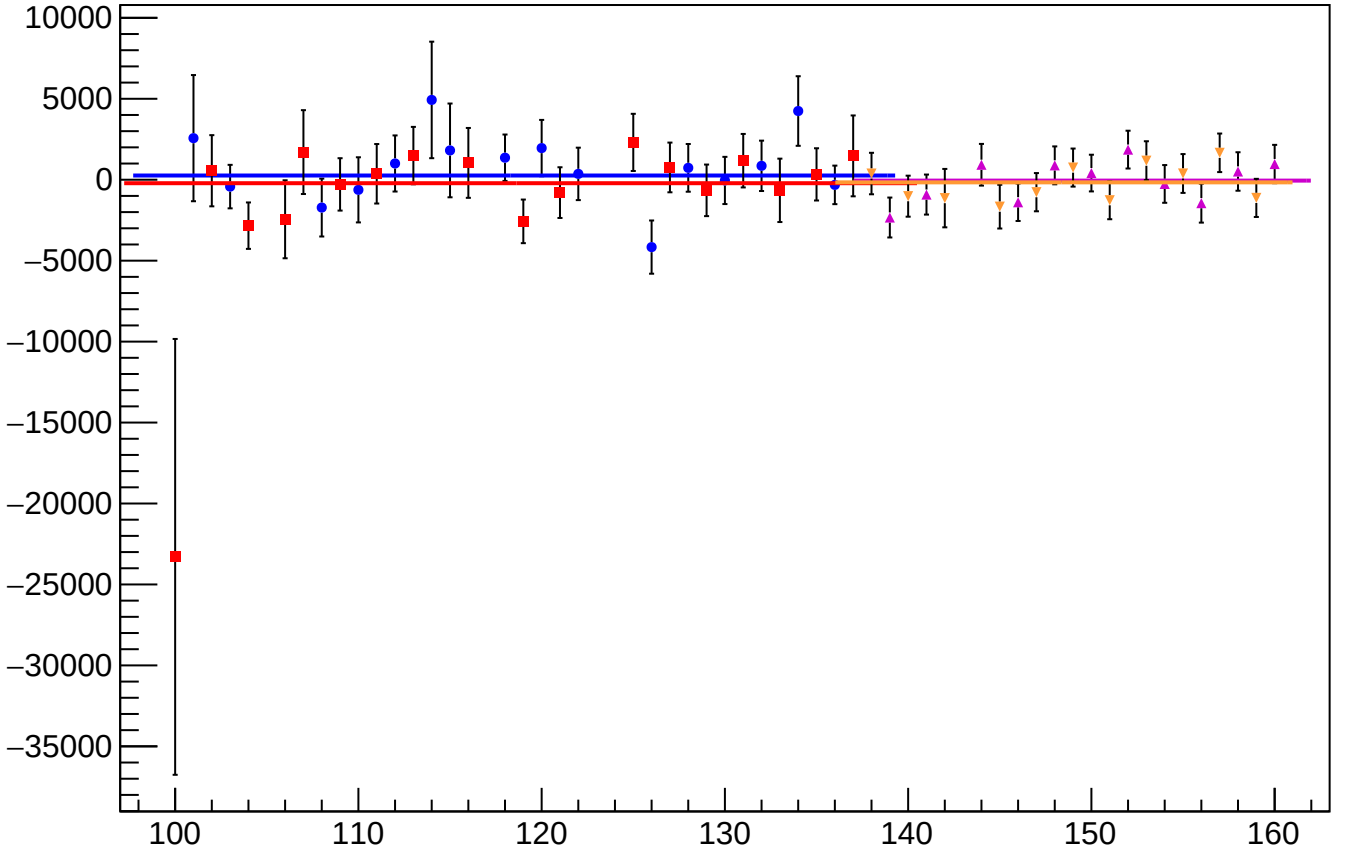
Left In: 470.798+/-0.109 χ^2/NDF:349645.2/10

+ sign 431.740+/-0.080 χ^2/NDF: 2399311.4/26

All: 430.238+/-0.056 χ^2/NDF: 4797755.2/55

- 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: -162.056+/-376.074 χ^2/NDF:8.4/10

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

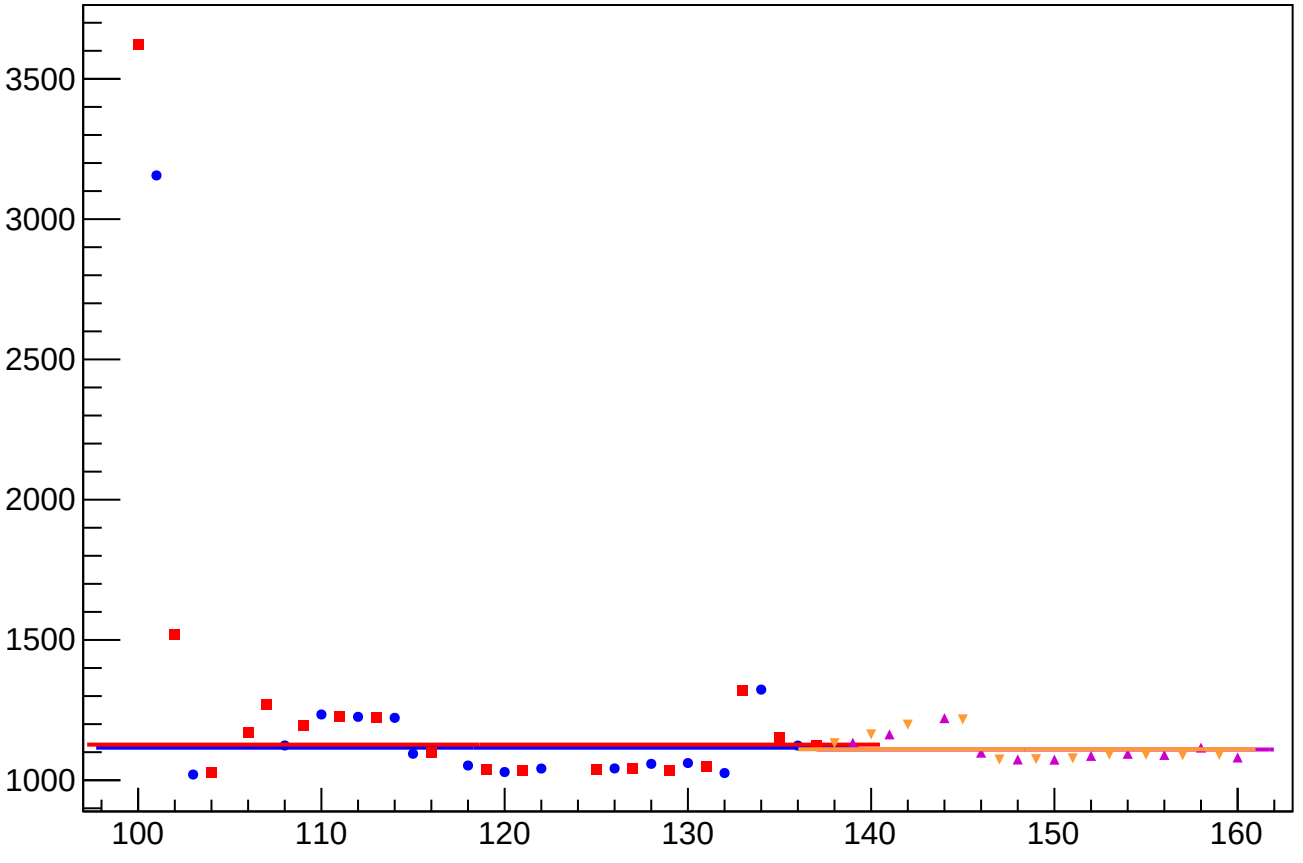
Left In: -54.390+/-359.117 χ^2/NDF:11.7/10

+ sign 23.640+/-281.541 χ^2/NDF: 25.9/26

All: -50.387+/-196.603 χ^2/NDF: 54.0/55

- 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: 1110.390+/-0.266 χ^2/NDF:28662.9/10

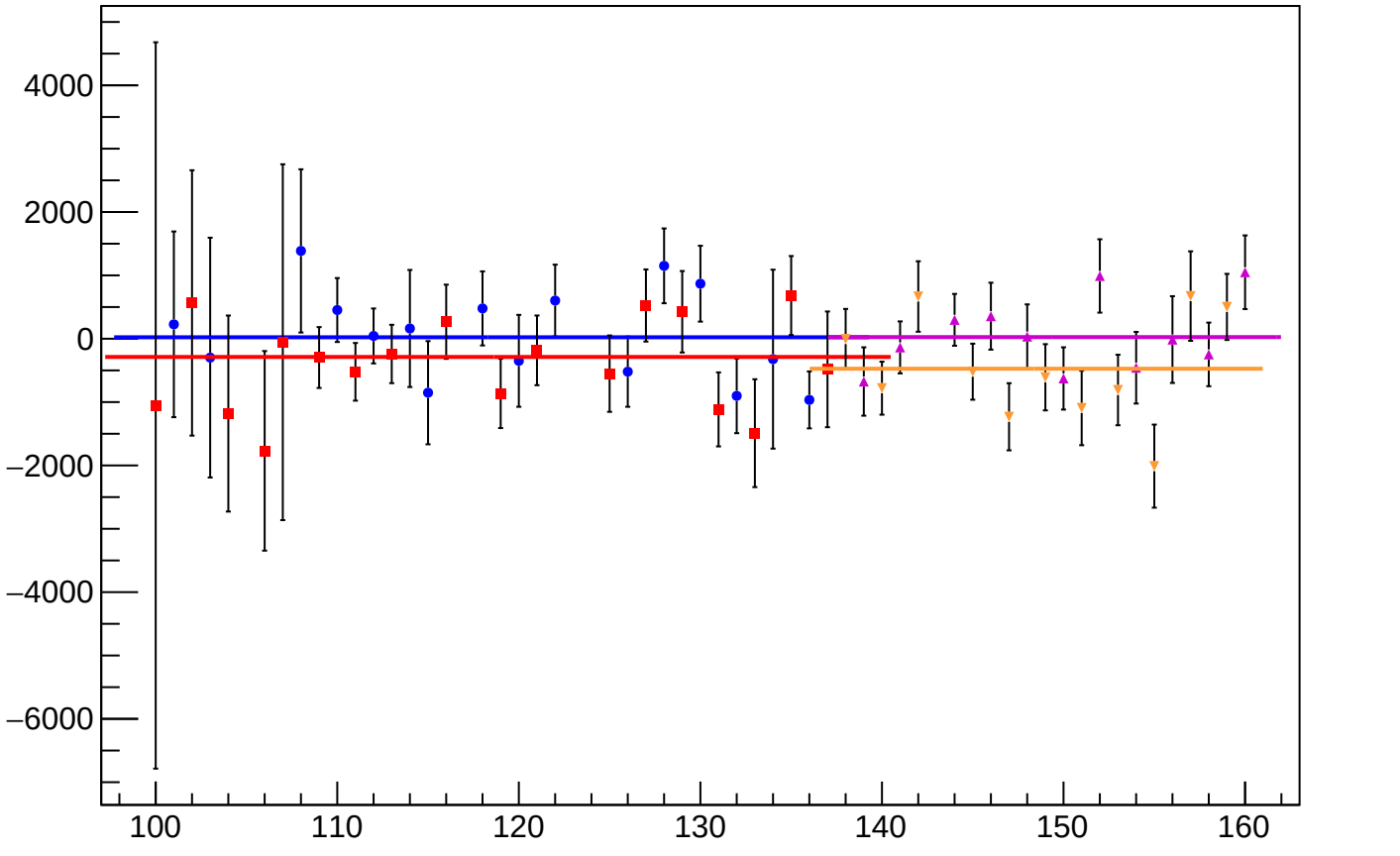
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1109.510+/-0.254 χ^2/NDF:26554.1/10

+ sign 1112.895+/-0.199 χ^2/NDF: 652256.7/26

All: 1114.871+/-0.139 χ^2/NDF: 903703.4/55

- 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: -473.272+/-158.425 χ^2/NDF:20.9/10

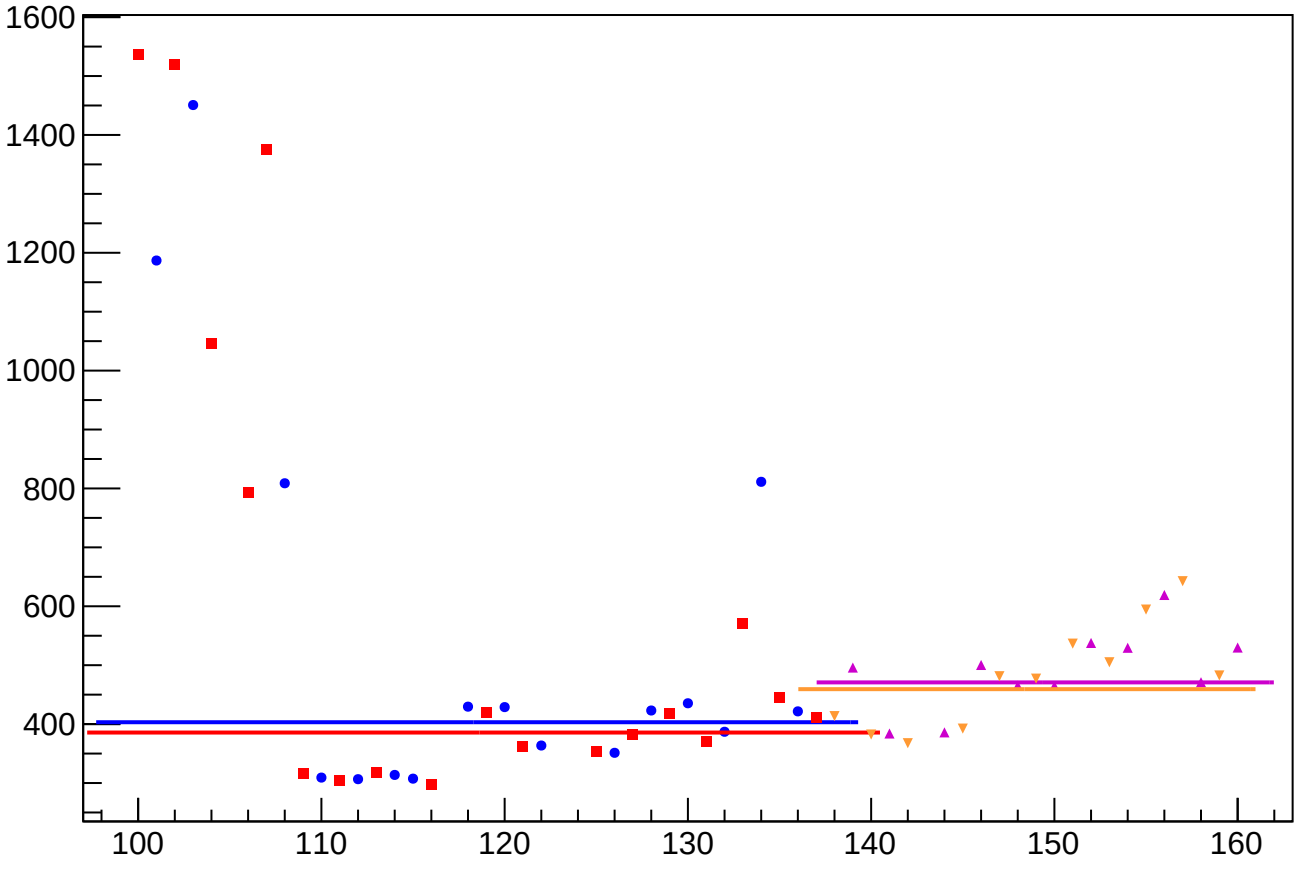
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 25.730+/-154.086 χ^2/NDF:11.4/10

+ sign -229.542+/-113.005 χ^2/NDF: 44.7/26

All: -177.673+/-78.712 χ^2/NDF: 72.2/55

- 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: 459.309+/-0.112 χ^2/NDF:463894.9/10

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

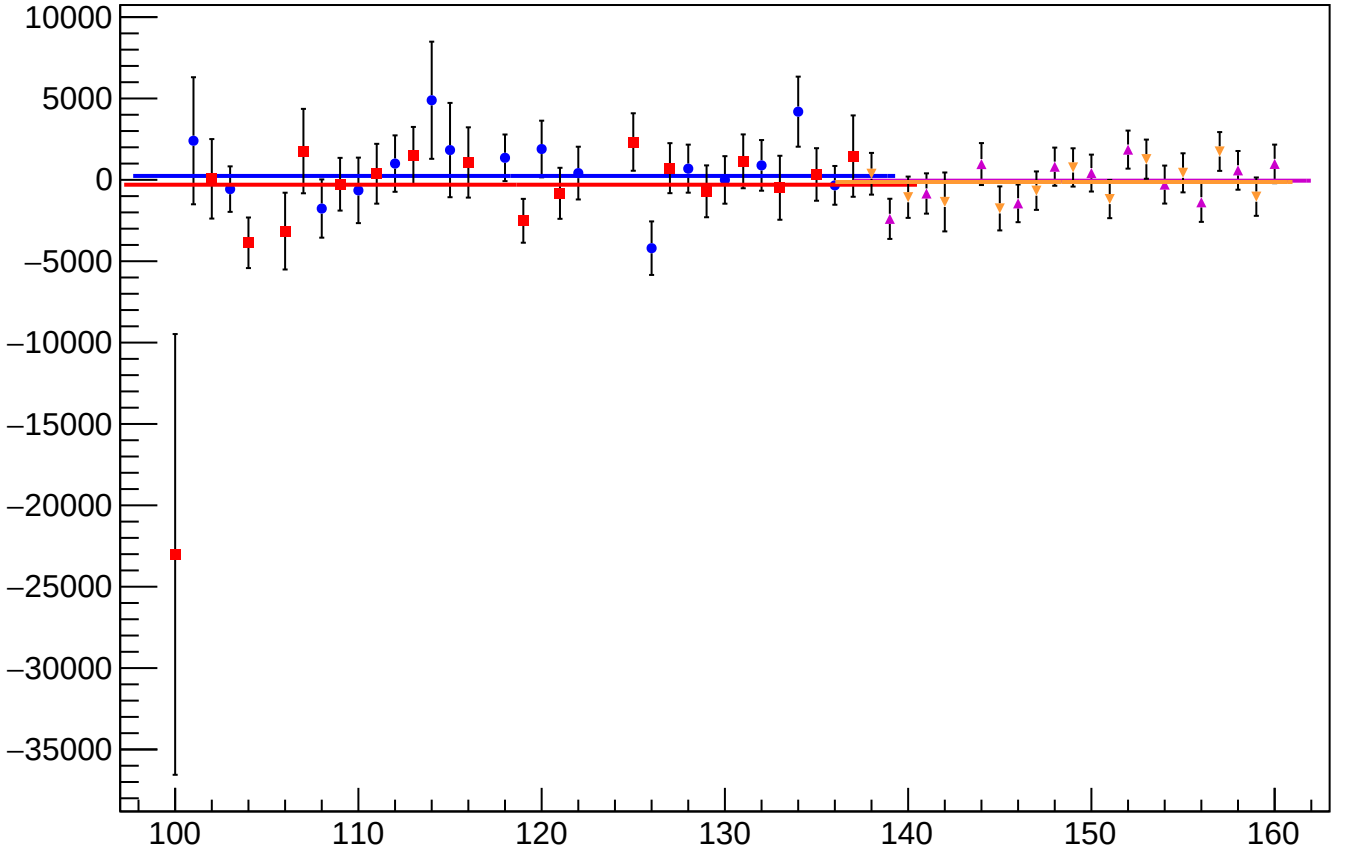
Left In: 470.798+/-0.109 χ^2/NDF:349645.2/10

+ sign 431.740+/-0.080 χ^2/NDF: 2399311.4/26

All: 430.238+/-0.056 χ^2/NDF: 4797755.2/55

- 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: -131.714+/-376.524 χ^2/NDF:8.8/10

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

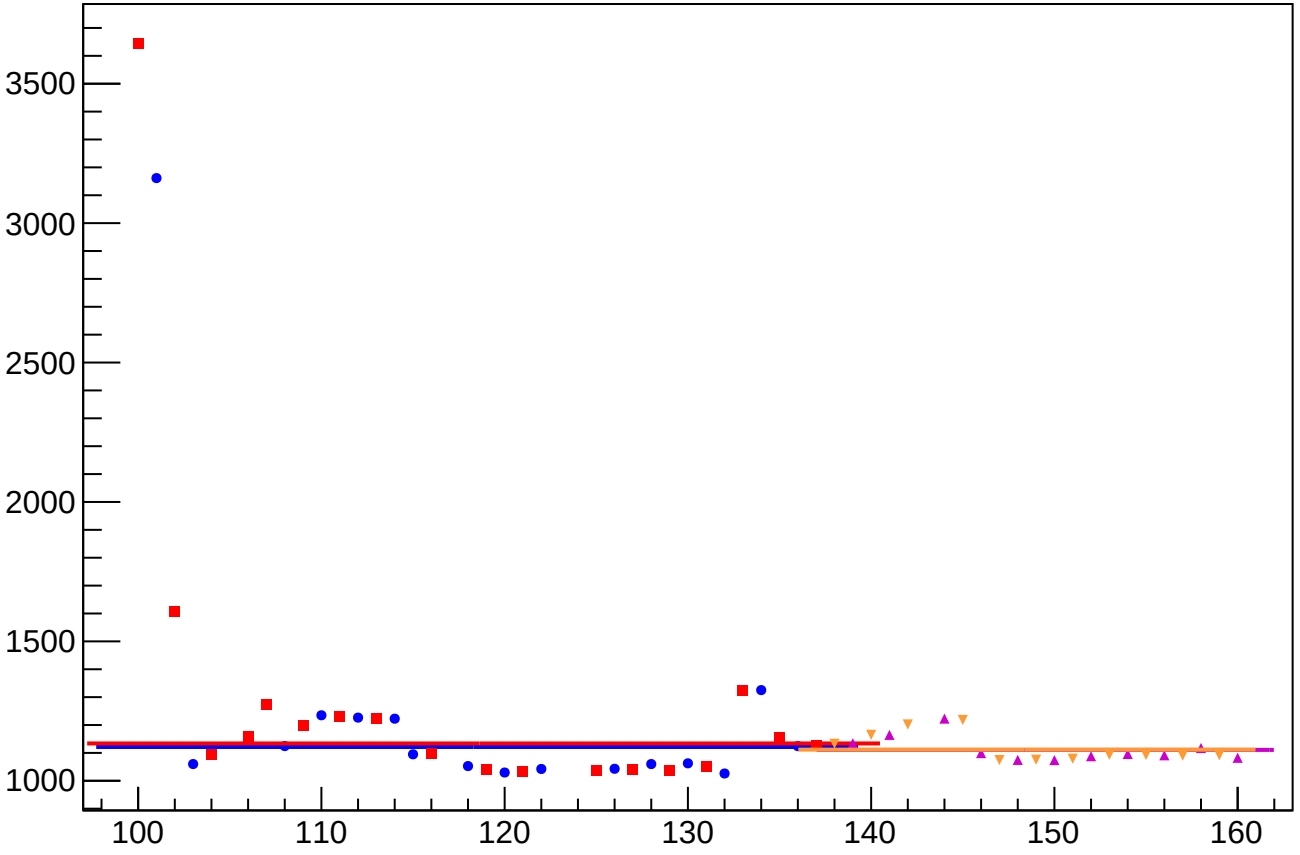
Left In: -50.749+/-359.514 χ^2/NDF:11.8/10

+ sign 31.421+/-282.293 χ^2/NDF: 26.2/26

All: -62.679+/-197.354 χ^2/NDF: 57.1/55

- 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: 1111.698+/-0.266 χ^2/NDF:29025.1/10

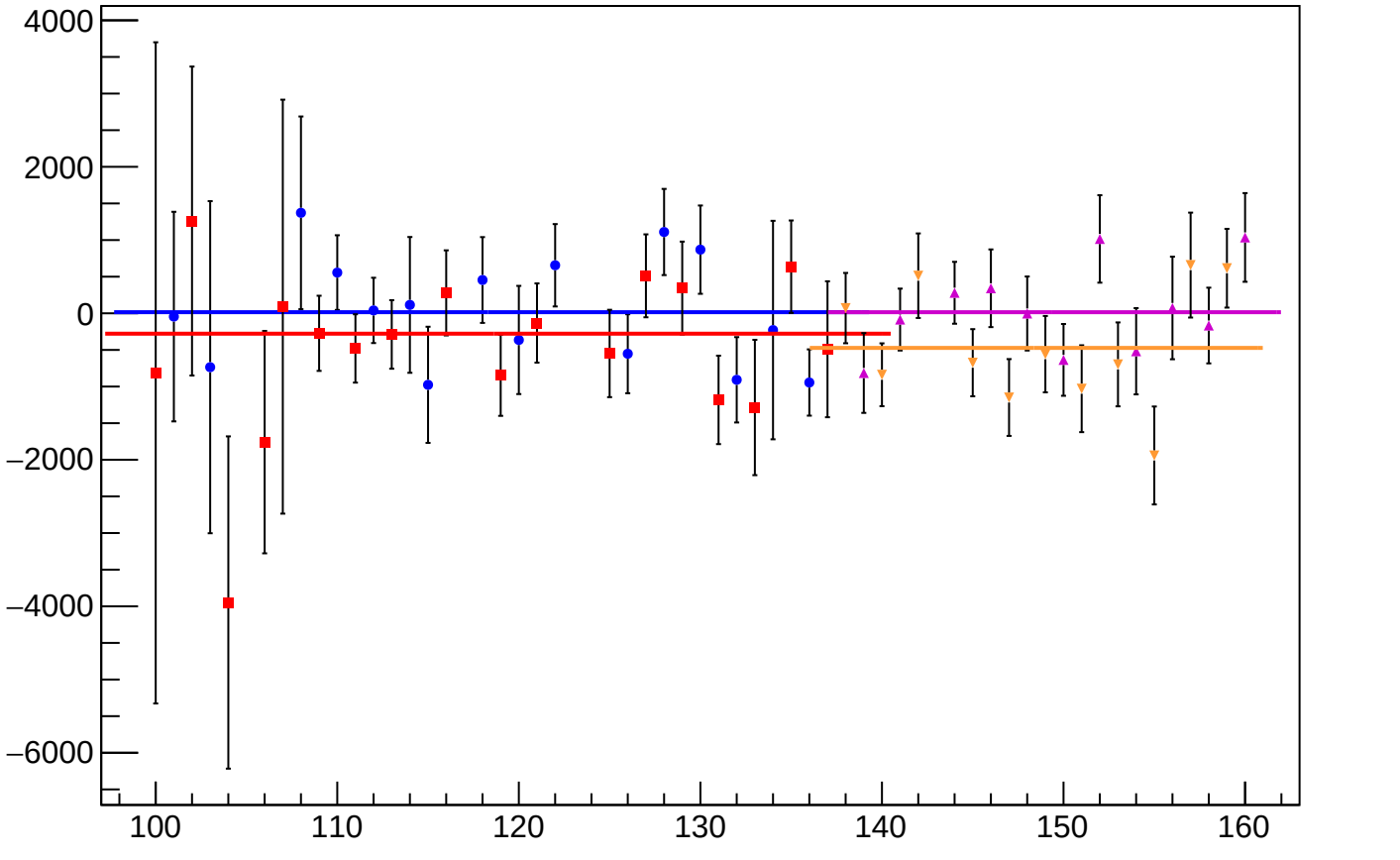
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1110.730+/-0.254 χ^2/NDF:26626.5/10

+ sign 1115.900+/-0.200 χ^2/NDF: 646622.3/26

All: 1118.126+/-0.140 χ^2/NDF: 904368.5/55

- sign 1120.255+/-0.195 χ^2/NDF: 257502.9/28



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -472.485+/-161.383 χ^2/NDF:19.3/10

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

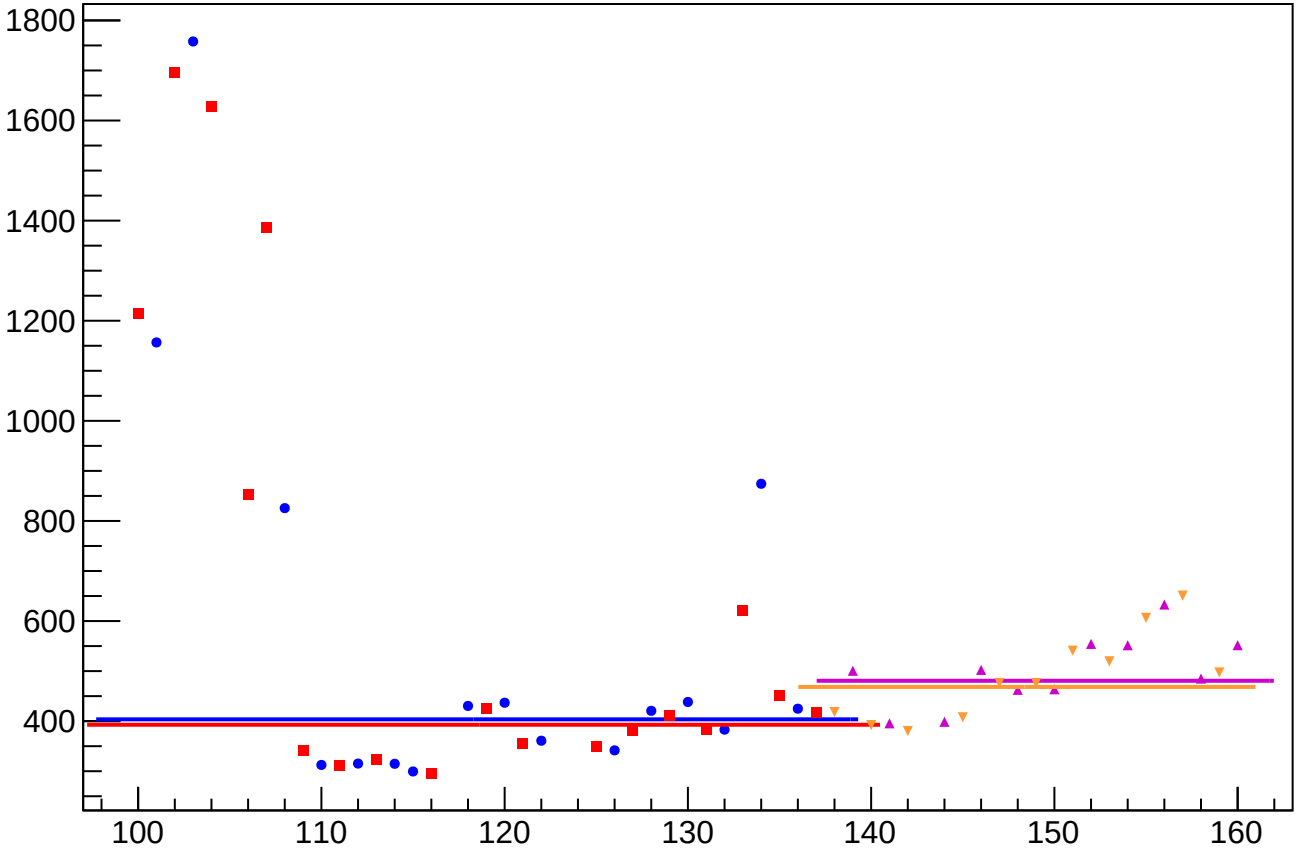
Left In: 14.959+/-157.290 χ^2/NDF:11.5/10

+ sign -229.294+/-114.278 χ^2/NDF: 43.4/26

All: -178.653+/-79.902 χ^2/NDF: 72.1/55

- sign -130.220+/-111.760 χ^2/NDF: 28.3/28

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 468.341+/-0.114 χ^2/NDF:434065.0/10

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

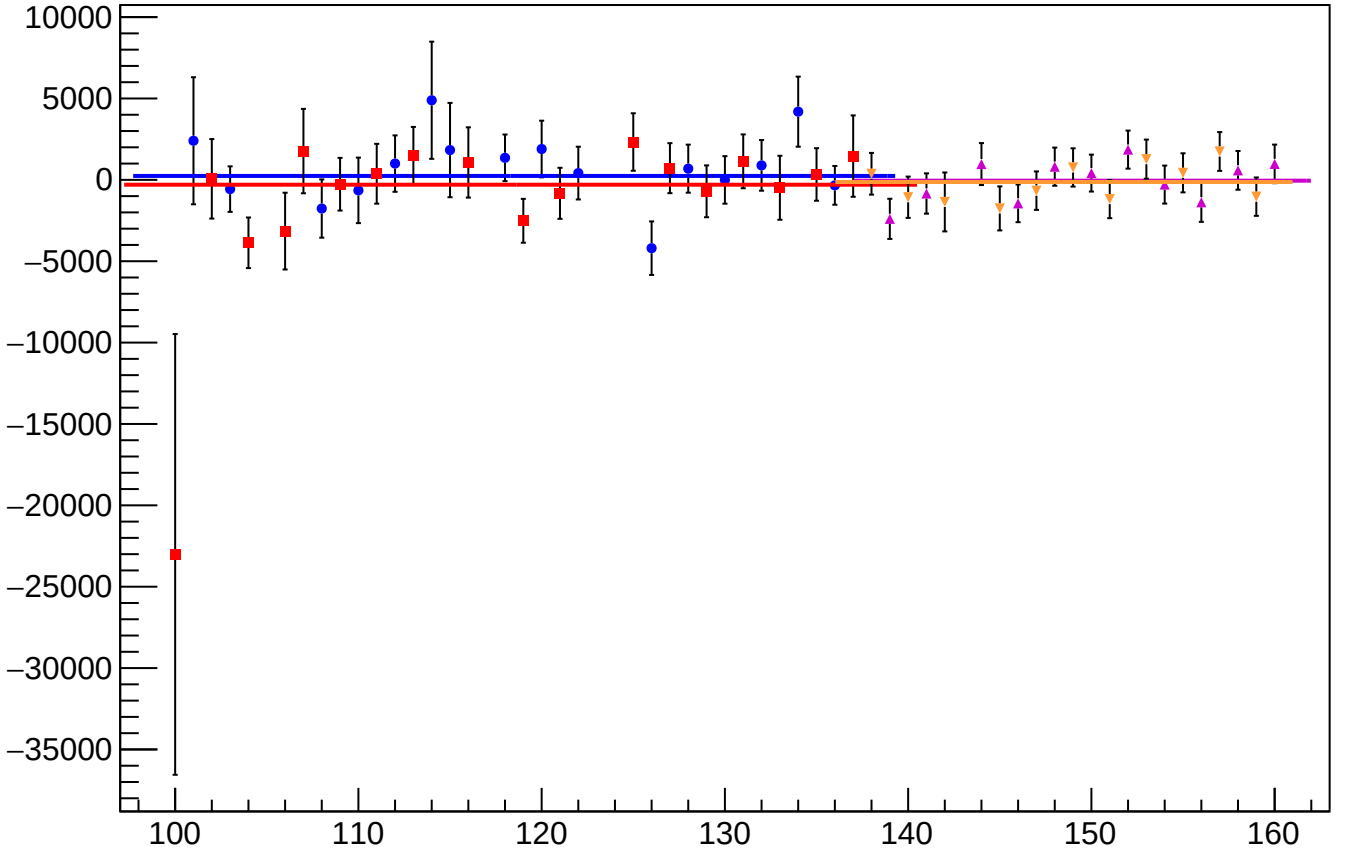
Left In: 480.710+/-0.111 χ^2/NDF:349121.5/10

+ sign 436.091+/-0.081 χ^2/NDF: 2523859.6/26

All: 436.654+/-0.056 χ^2/NDF: 5385724.7/55

- 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: -131.718+/-376.524 χ^2/NDF:8.8/10

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

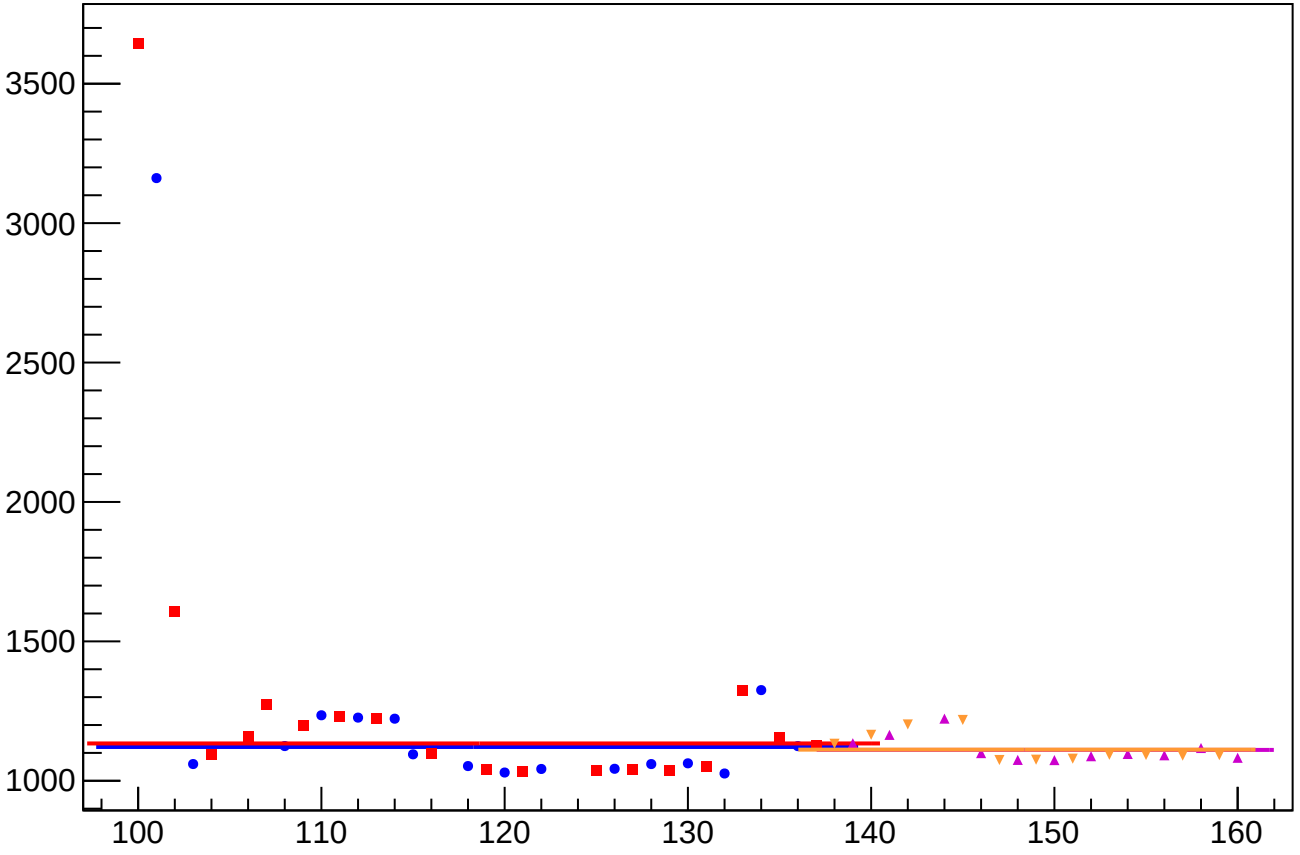
Left In: -50.749+/-359.514 χ^2/NDF:11.8/10

+ sign 31.420+/-282.293 χ^2/NDF: 26.2/26

All: -62.679+/-197.354 χ^2/NDF: 57.1/55

- 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: 1111.698+/-0.266 χ^2/NDF:29025.1/10

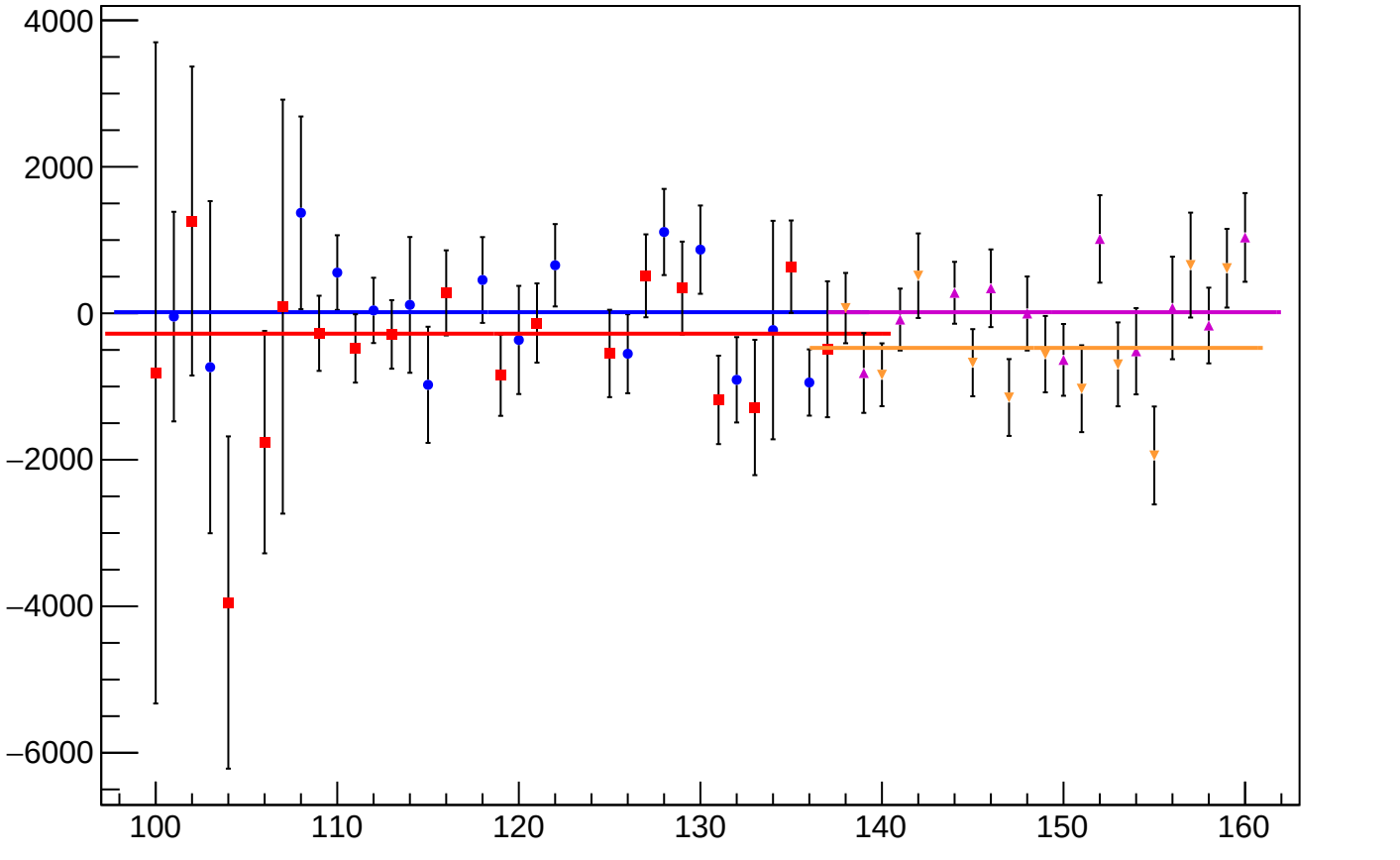
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1110.730+/-0.254 χ^2/NDF:26626.5/10

+ sign 1115.900+/-0.200 χ^2/NDF: 646622.3/26

All: 1118.126+/-0.140 χ^2/NDF: 904368.6/55

- 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: -472.488+/-161.384 χ^2/NDF:19.3/10

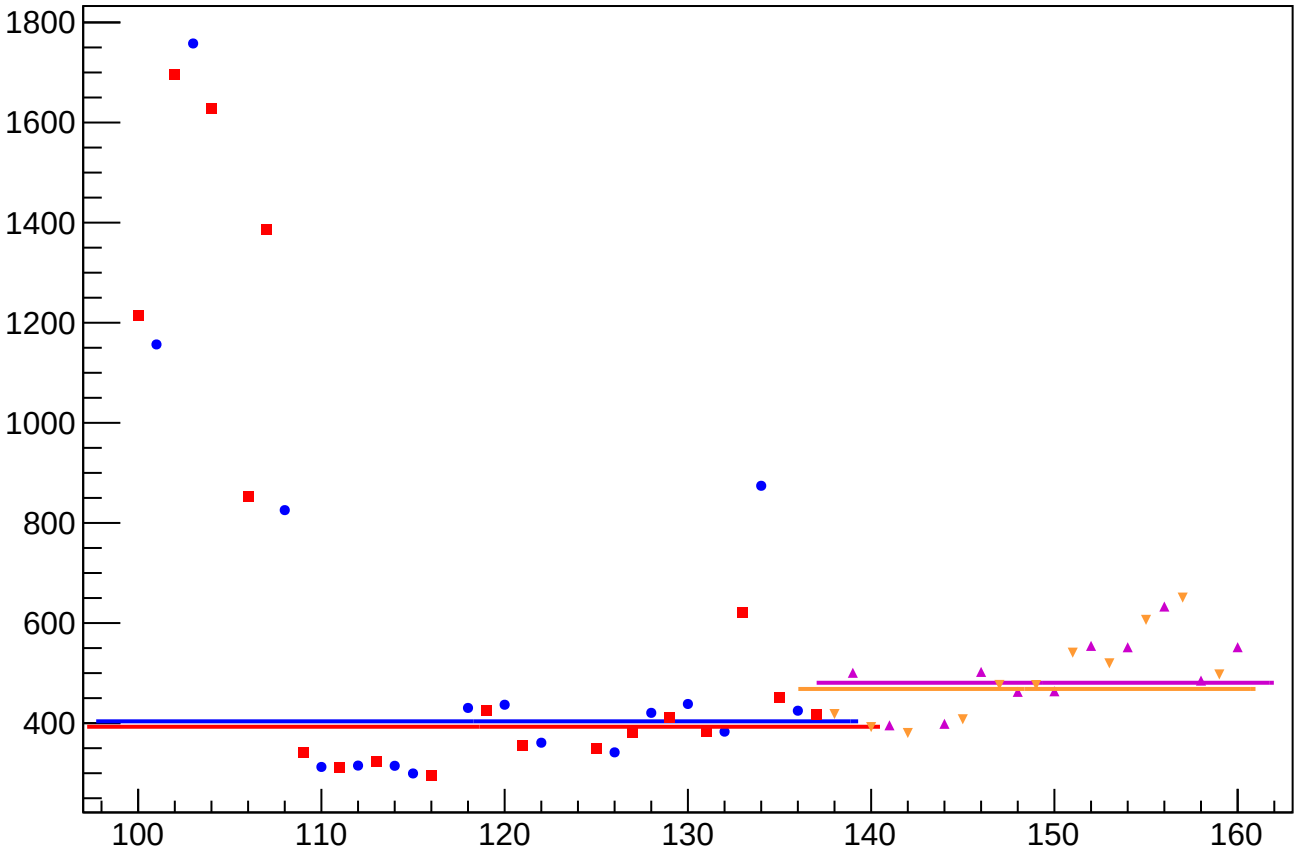
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 14.958+/-157.290 χ^2/NDF:11.5/10

+ sign -229.295+/-114.278 χ^2/NDF: 43.4/26

All: -178.654+/-79.902 χ^2/NDF: 72.1/55

- 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: 468.342+/-0.114 χ^2/NDF:434086.1/10

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

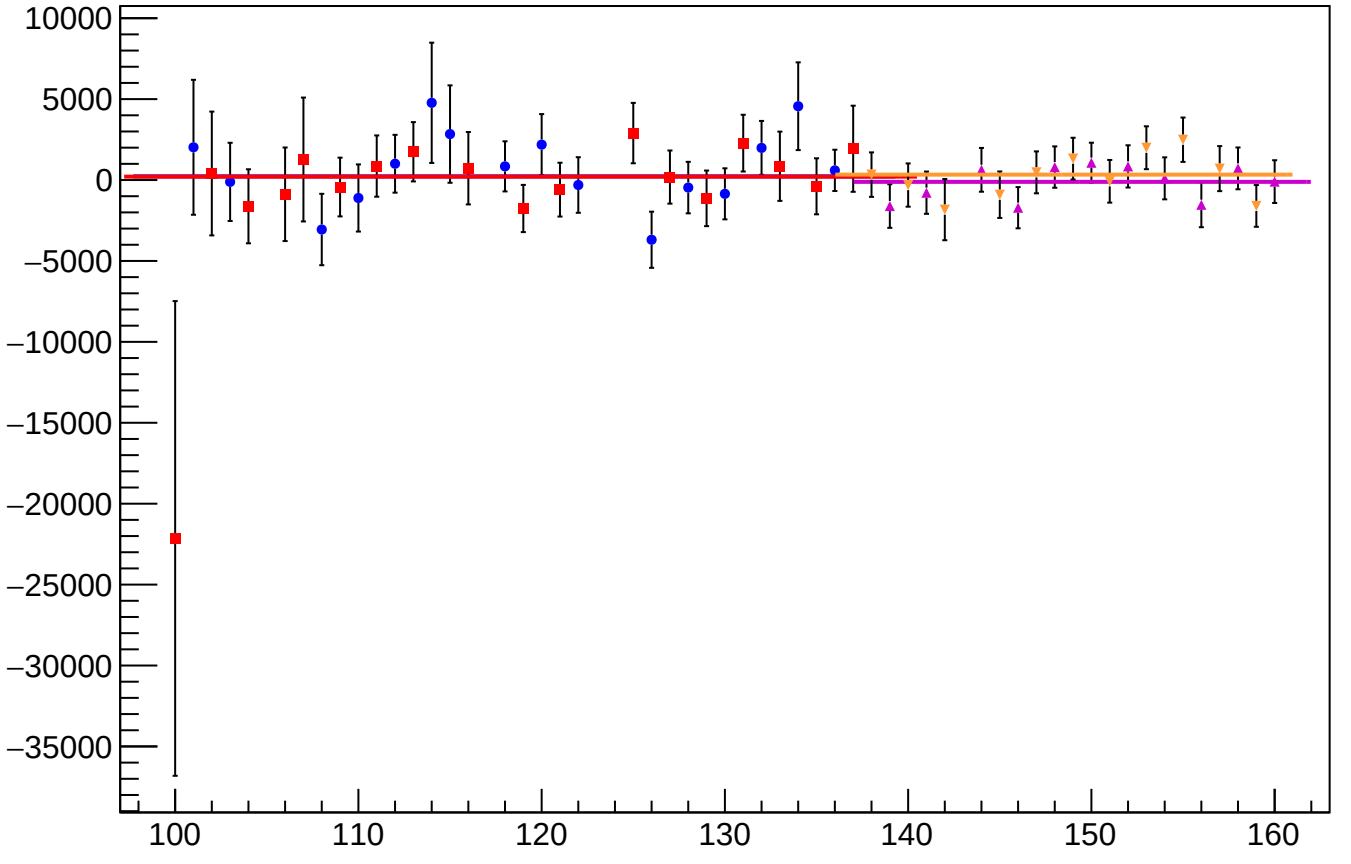
Left In: 480.712+/-0.111 χ^2/NDF:349130.0/10

+ sign 436.089+/-0.081 χ^2/NDF: 2523895.7/26

All: 436.653+/-0.056 χ^2/NDF: 5385811.0/55

- 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: 333.808+/-413.475 χ^2/NDF:9.4/10

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

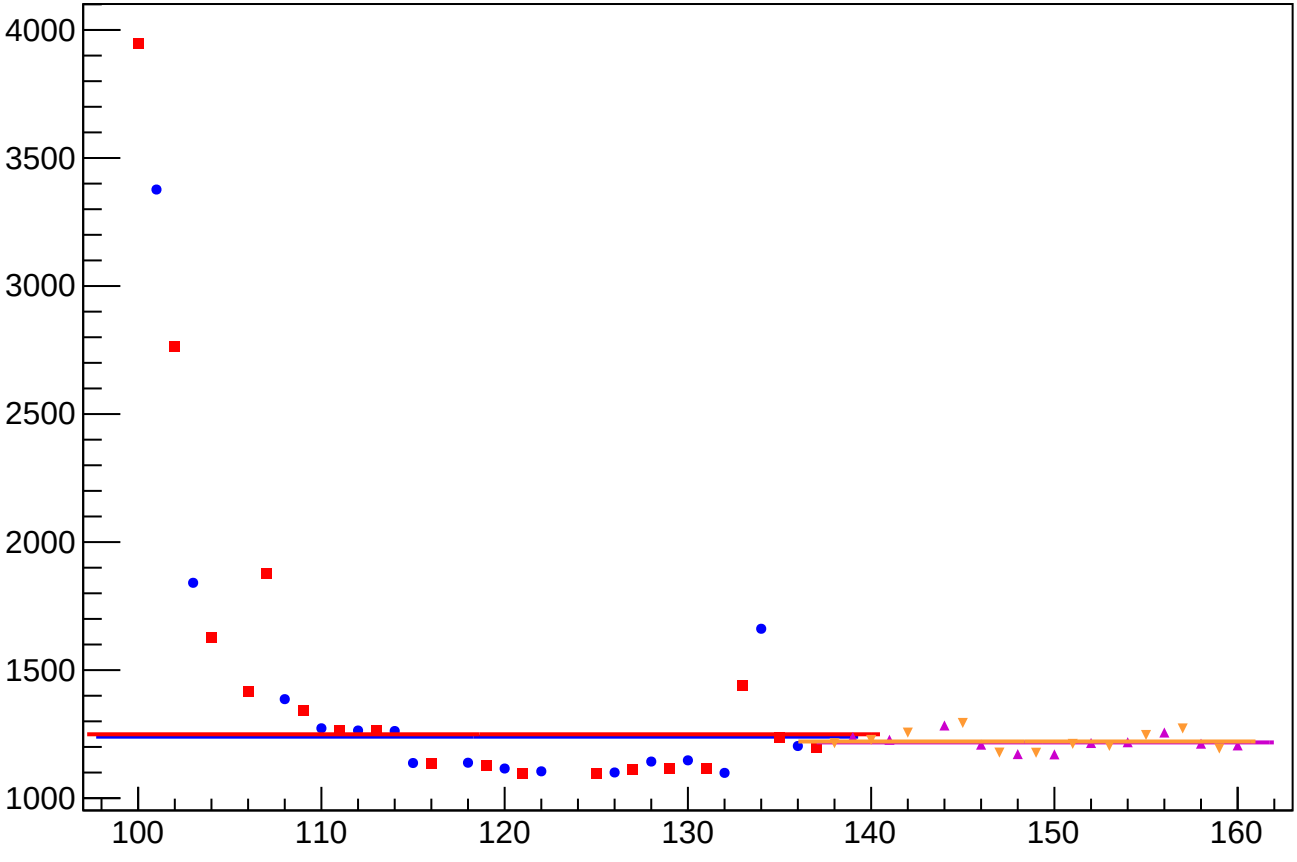
Left In: -112.738+/-393.999 χ^2/NDF:6.8/10

+ sign 286.774+/-311.745 χ^2/NDF: 25.5/26

All: 148.889+/-217.641 χ^2/NDF: 43.9/55

- 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: 1221.303+/-0.292 χ^2/NDF:15138.6/10

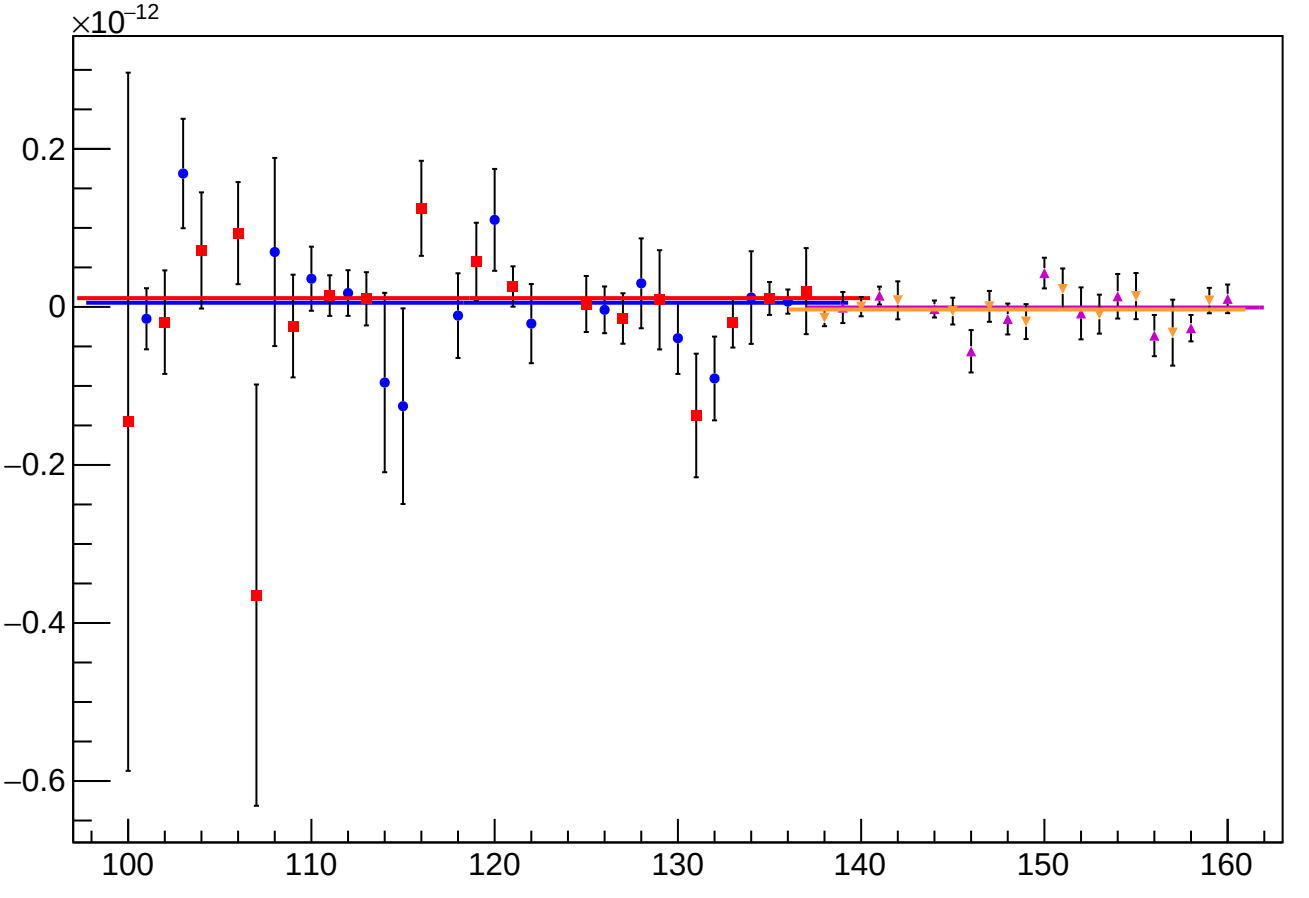
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1217.667+/-0.279 χ^2/NDF:12624.7/10

+ sign 1229.432+/-0.220 χ^2/NDF: 799609.6/26

All: 1229.987+/-0.154 χ^2/NDF: 1423600.4/55

- 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:4.2/10

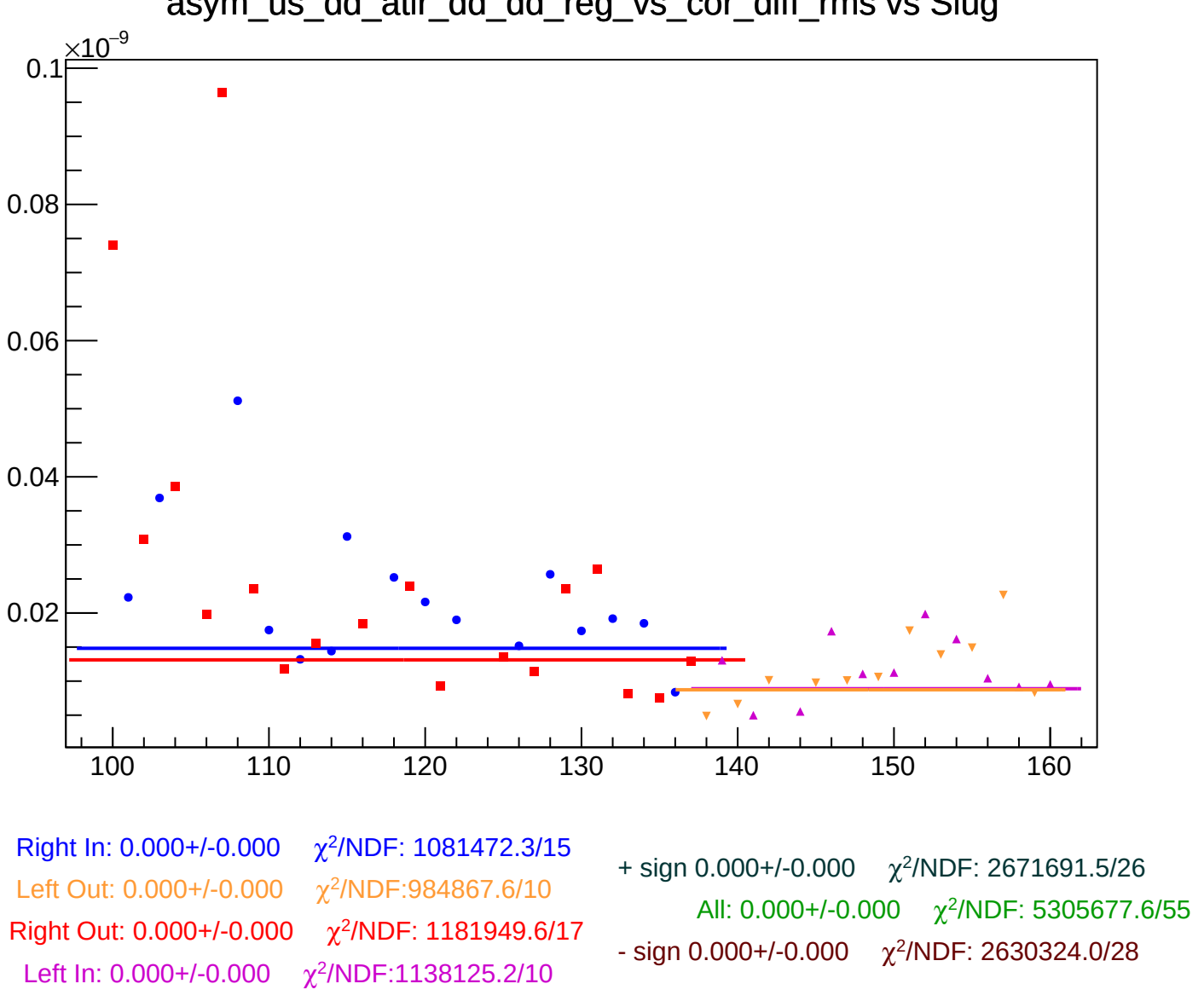
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: -0.000+/-0.000 χ^2/NDF:16.7/10

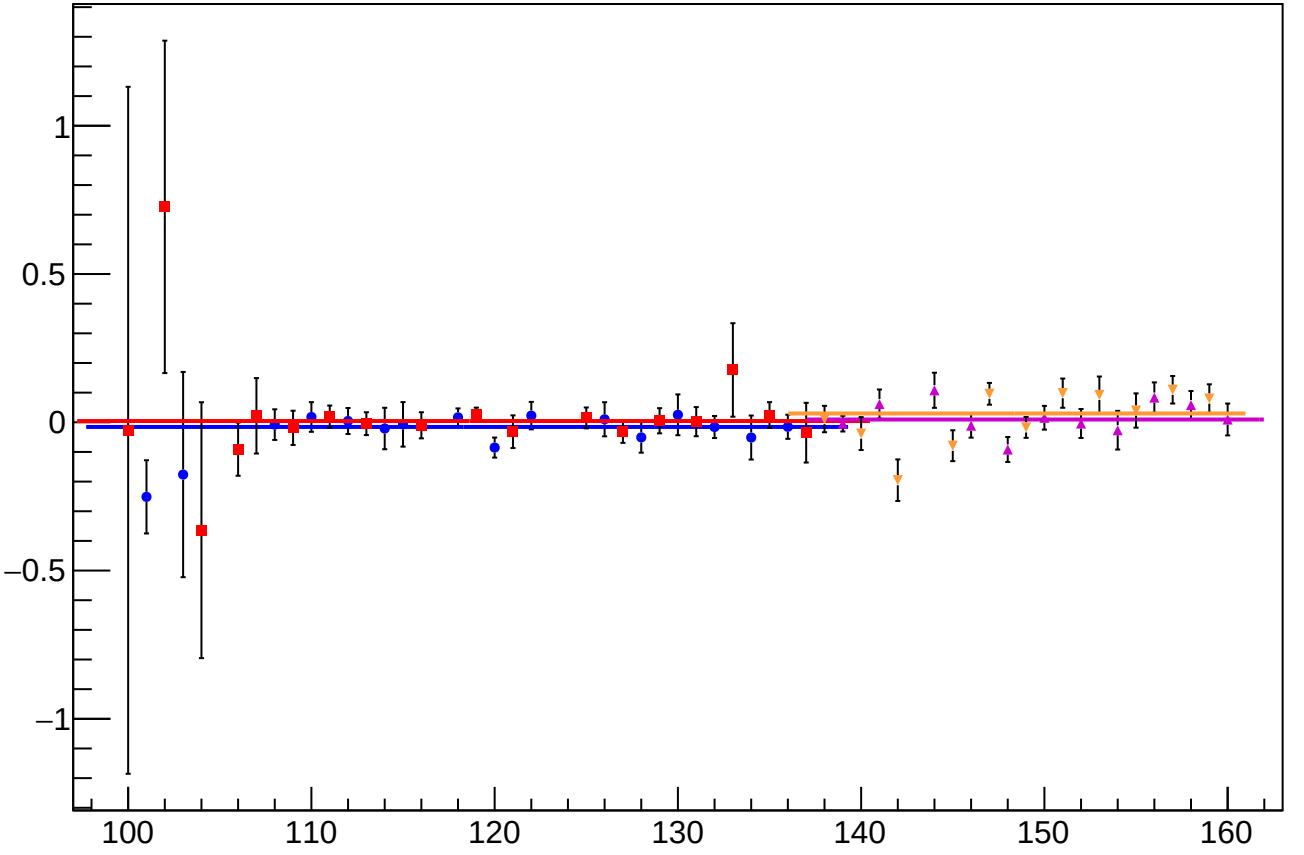
+ sign -0.000+/-0.000 χ^2/NDF: 21.2/26

All: 0.000+/-0.000 χ^2/NDF: 54.4/55

- 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:984867.6/10
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: 2671691.5/26
All: 0.000+/-0.000 χ²/NDF: 5305677.6/55
- sign 0.000+/-0.000 χ²/NDF: 2630324.0/28

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.030+/-0.014 χ^2/NDF:28.4/10

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

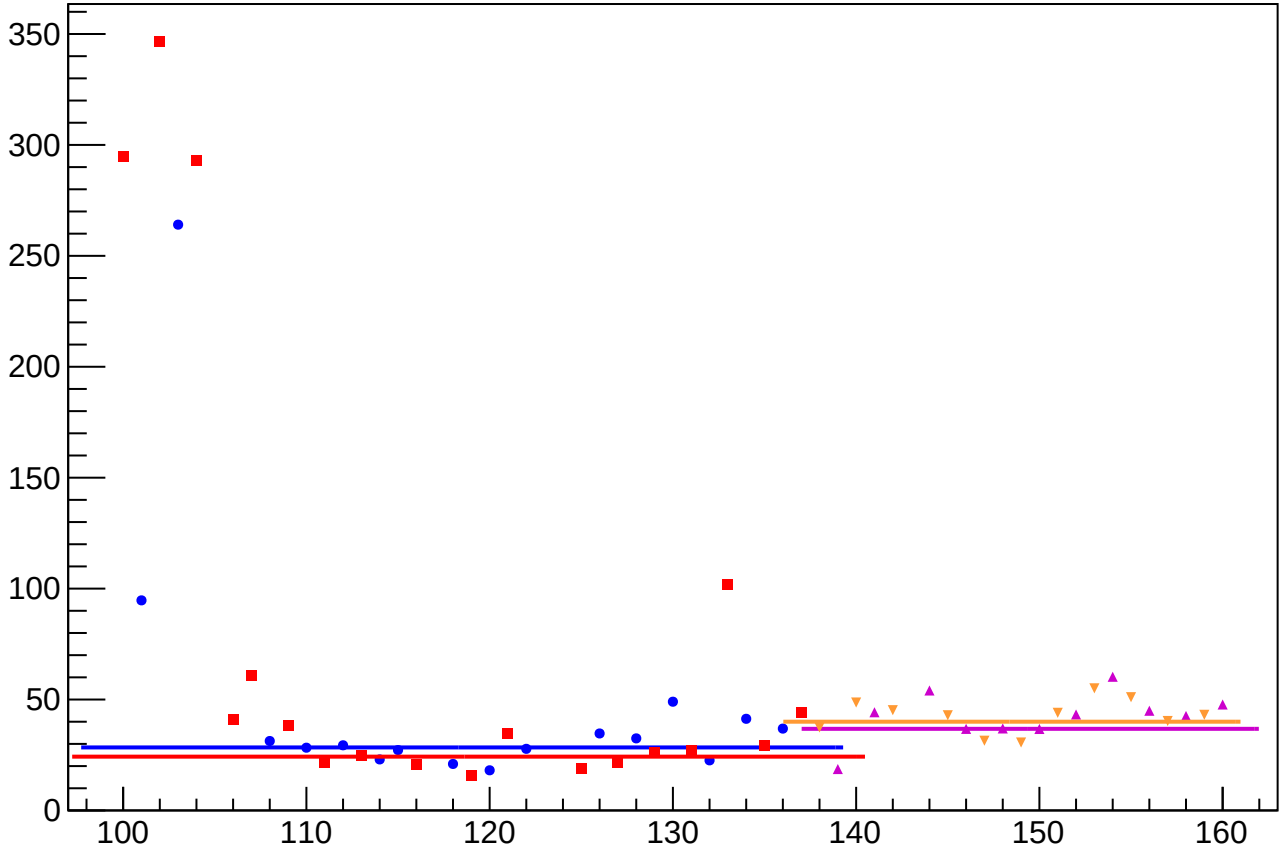
Left In: 0.009+/-0.013 χ^2/NDF:13.8/10

+ sign 0.003+/-0.009 χ^2/NDF: 46.1/26

All: 0.005+/-0.006 χ^2/NDF: 67.8/55

- 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: 40.007+/-0.010 χ^2/NDF:535937.0/10

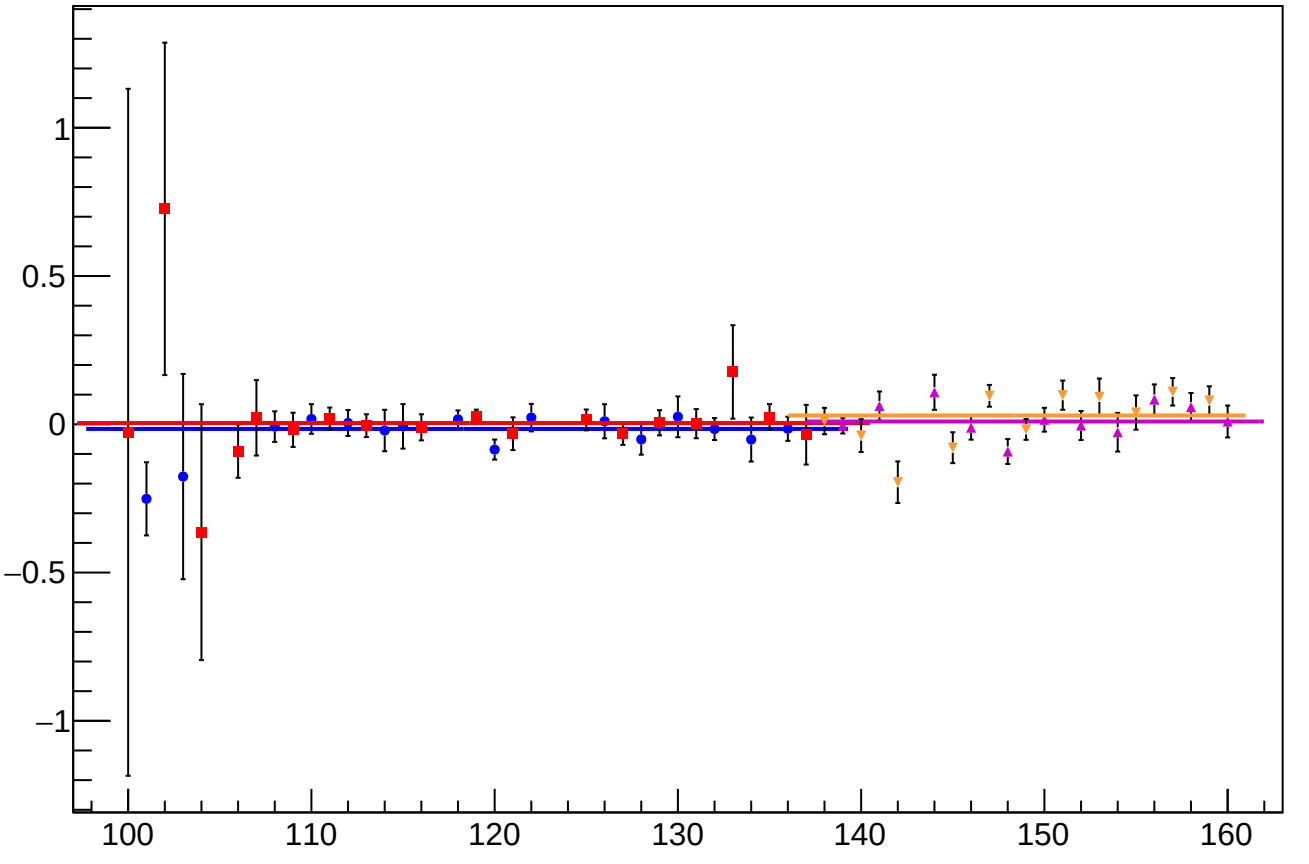
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 36.794+/-0.009 χ^2/NDF:1610416.3/10

+ sign 33.305+/-0.007 χ^2/NDF: 3530968.6/26

All: 31.326+/-0.004 χ^2/NDF: 9252341.8/55

- 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: 0.030+/-0.014 χ^2/NDF:28.4/10

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

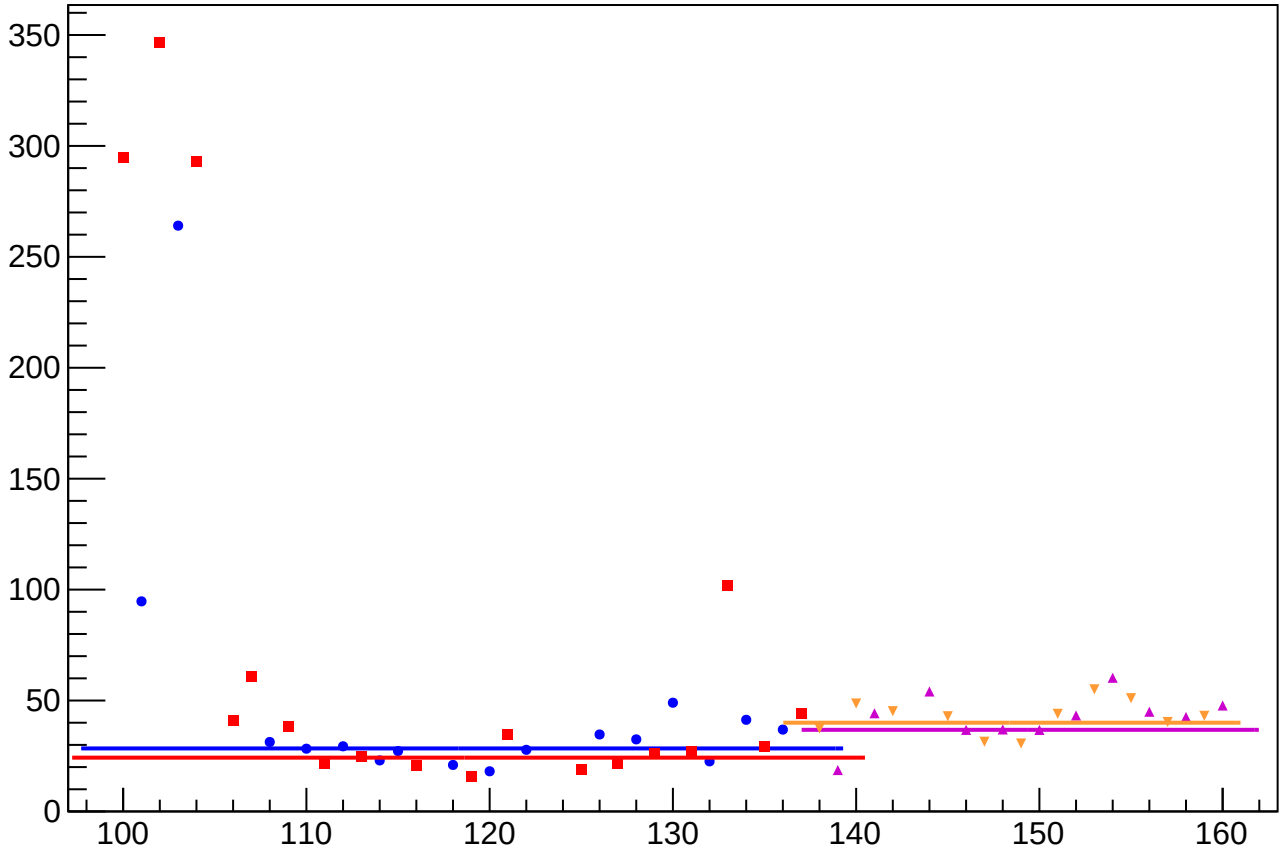
Left In: 0.009+/-0.013 χ^2/NDF:13.8/10

+ sign 0.003+/-0.009 χ^2/NDF: 46.1/26

All: 0.005+/-0.006 χ^2/NDF: 67.8/55

- sign 0.006+/-0.009 χ^2/NDF: 21.7/28

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 40.007+/-0.010 χ^2/NDF:535937.0/10

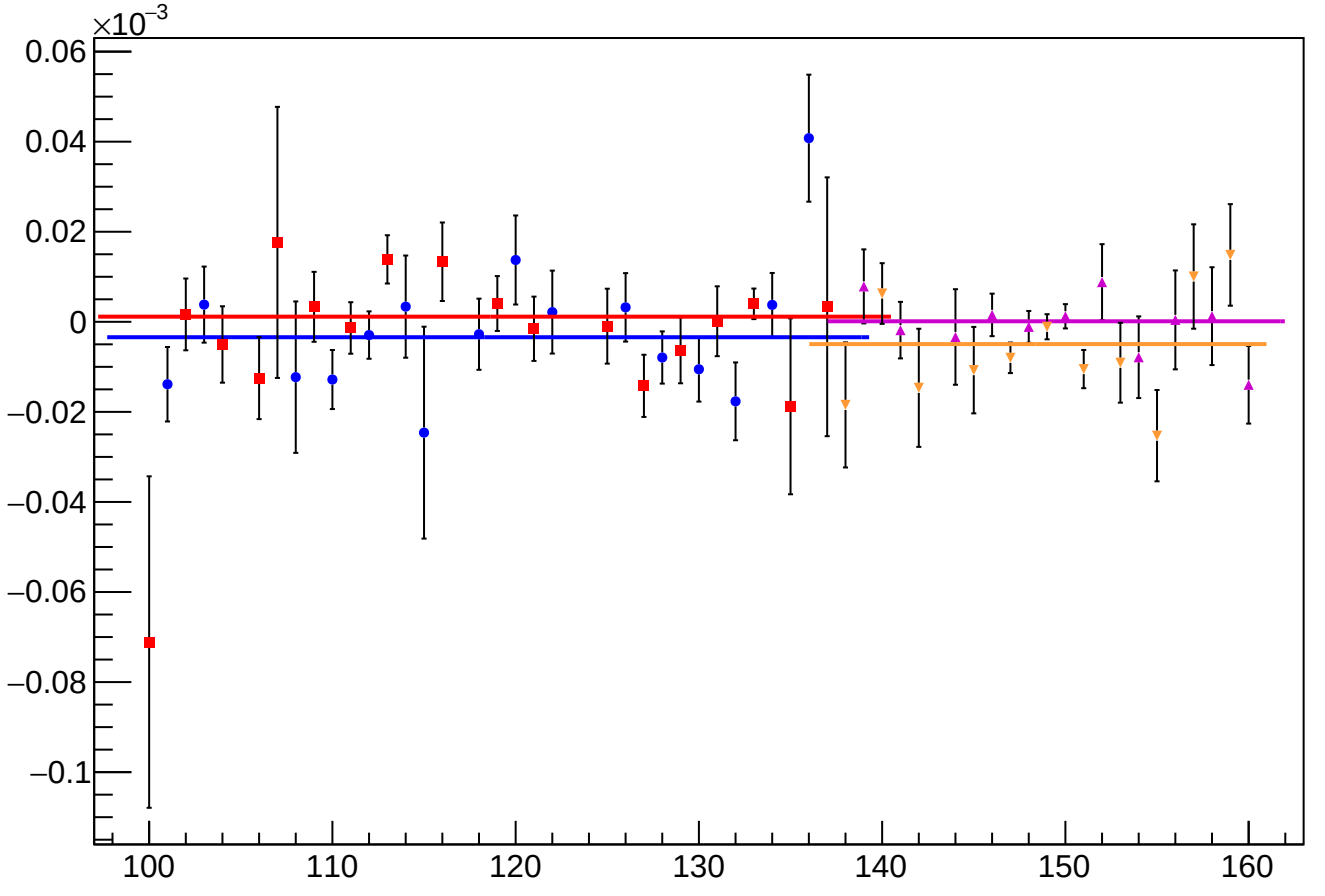
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 36.794+/-0.009 χ^2/NDF:1610416.3/10

+ sign 33.305+/-0.007 χ^2/NDF: 3530968.6/26

All: 31.326+/-0.004 χ^2/NDF: 9252341.8/55

- 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:18.1/10

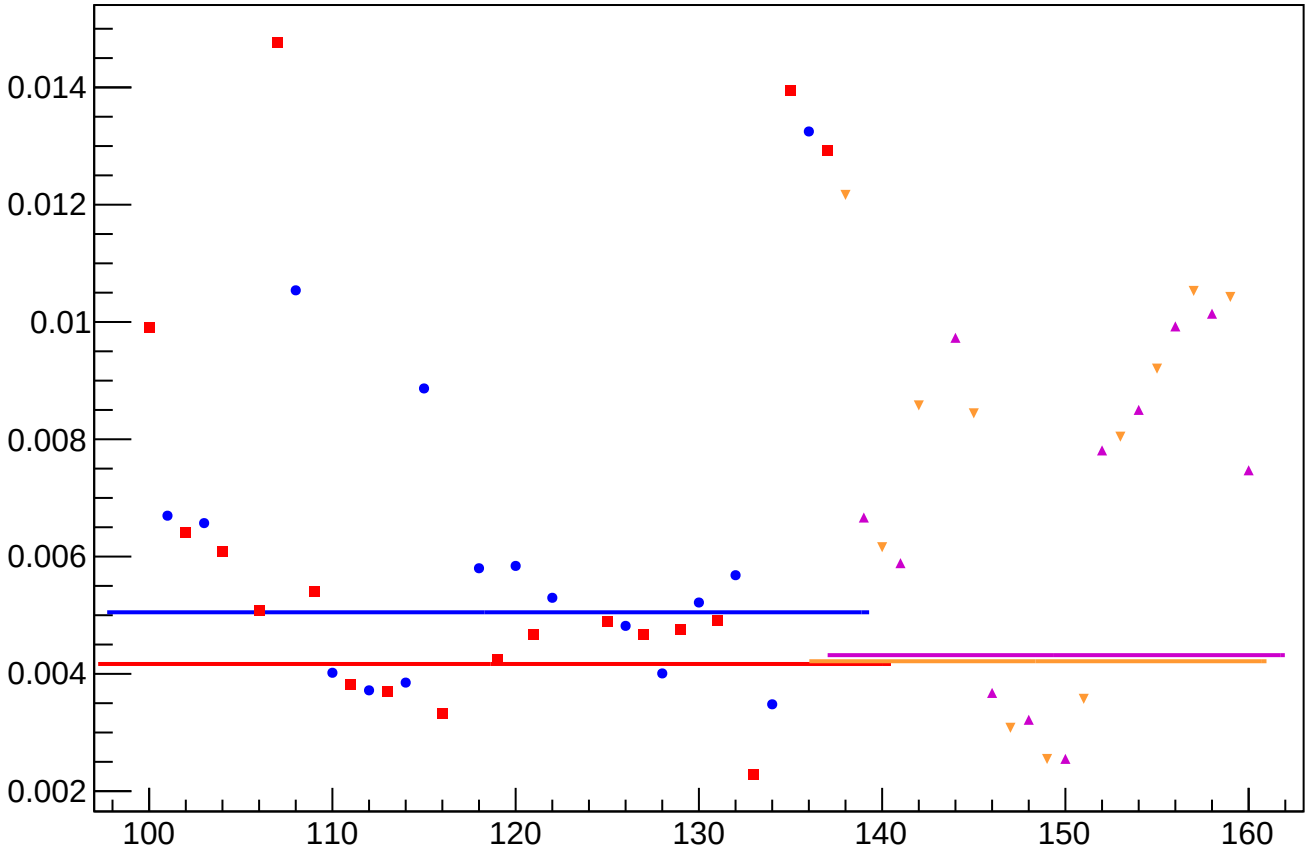
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:6.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 43.5/26

All: -0.000+/-0.000 χ^2/NDF: 80.6/55

- sign 0.000+/-0.000 χ^2/NDF: 29.2/28



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:4472493.6/10

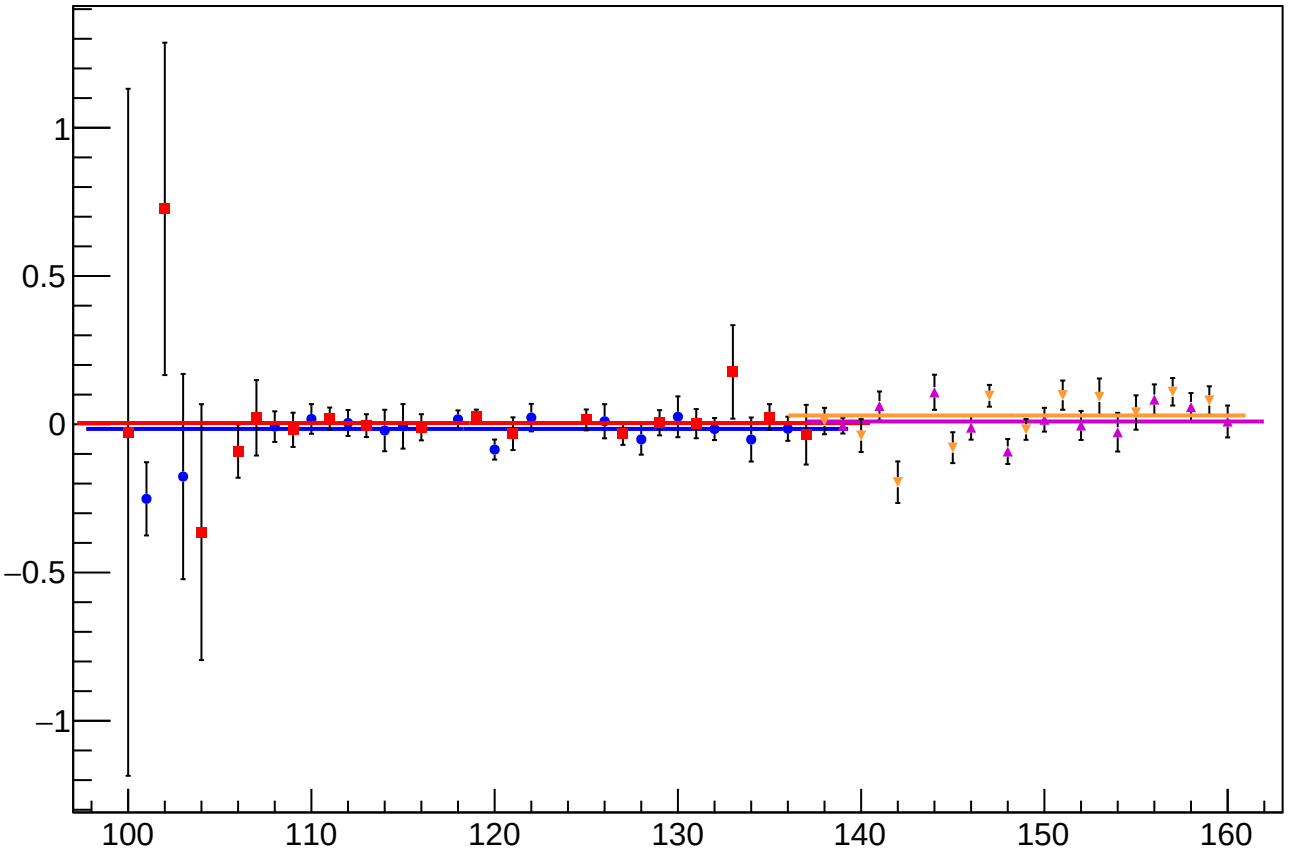
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:4034092.7/10

+ sign 0.005+/-0.000 χ^2/NDF: 6167629.5/26

All: 0.004+/-0.000 χ^2/NDF: 12314518.9/55

- sign 0.004+/-0.000 χ^2/NDF: 6084167.4/28



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.030+/-0.014 χ^2/NDF:28.4/10

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

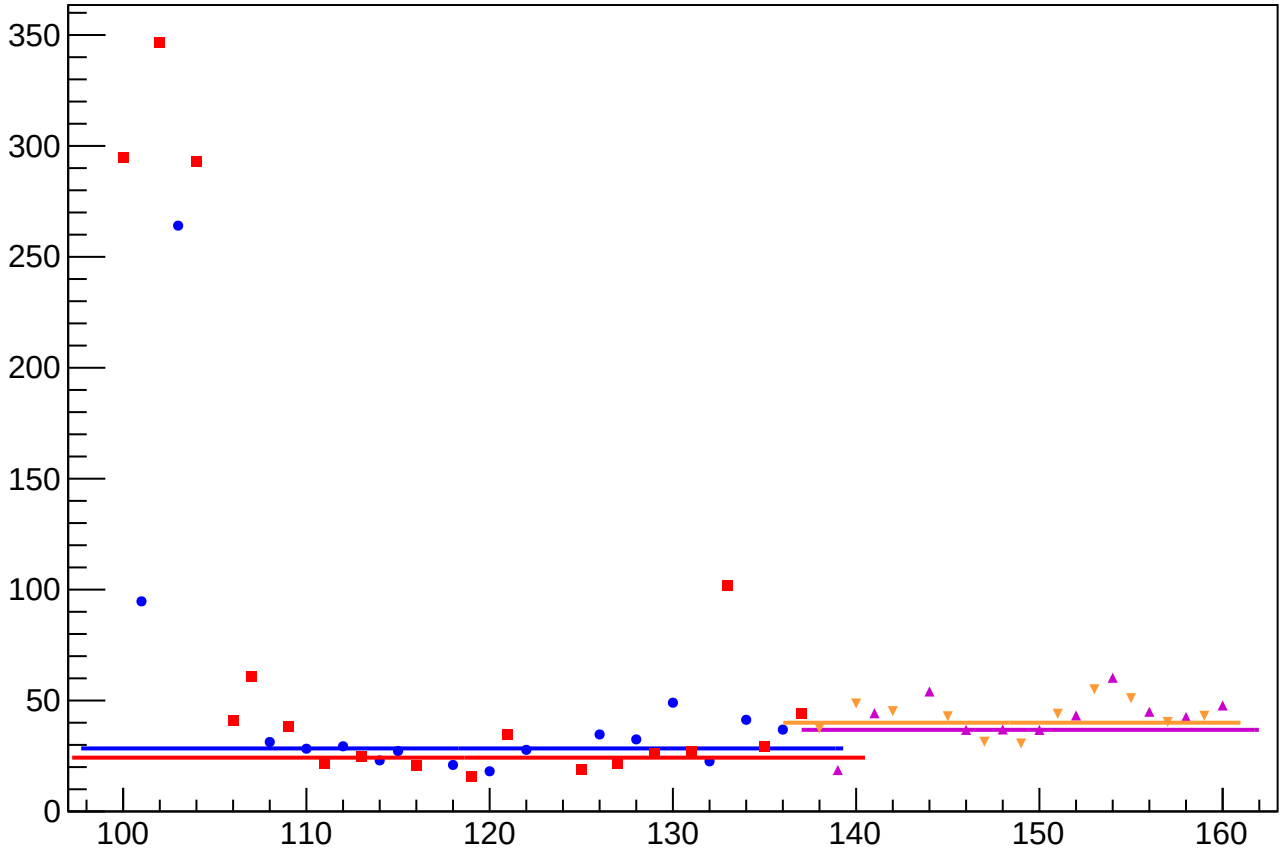
Left In: 0.009+/-0.013 χ^2/NDF:13.8/10

+ sign 0.003+/-0.009 χ^2/NDF: 46.1/26

All: 0.005+/-0.006 χ^2/NDF: 67.8/55

- sign 0.006+/-0.009 χ^2/NDF: 21.7/28

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 40.006+/-0.010 χ^2/NDF:536207.9/10

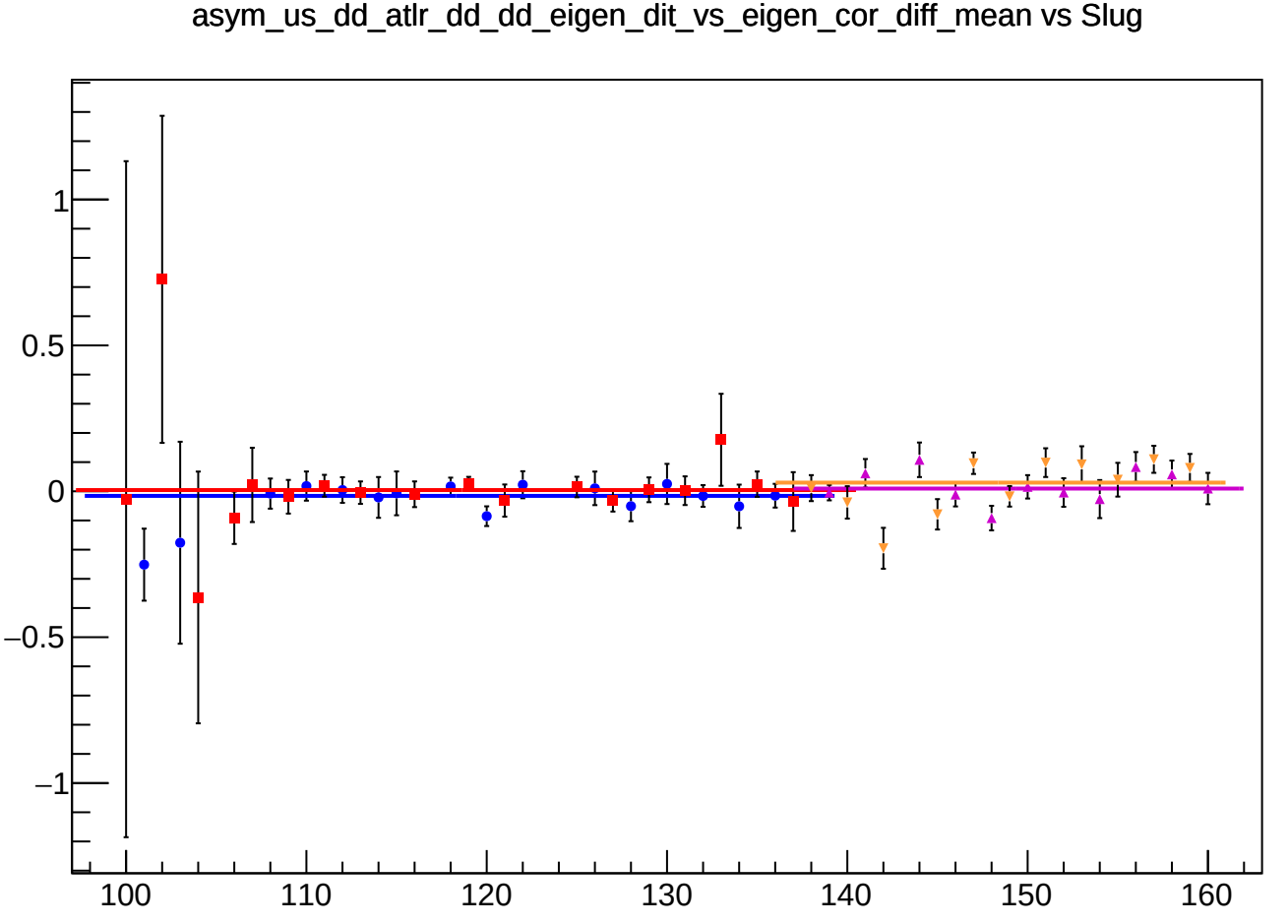
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 36.792+/-0.009 χ^2/NDF:1611128.7/10

+ sign 33.305+/-0.007 χ^2/NDF: 3531212.0/26

All: 31.325+/-0.004 χ^2/NDF: 9253761.9/55

- 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: 0.030+/-0.014 χ^2/NDF:28.4/10

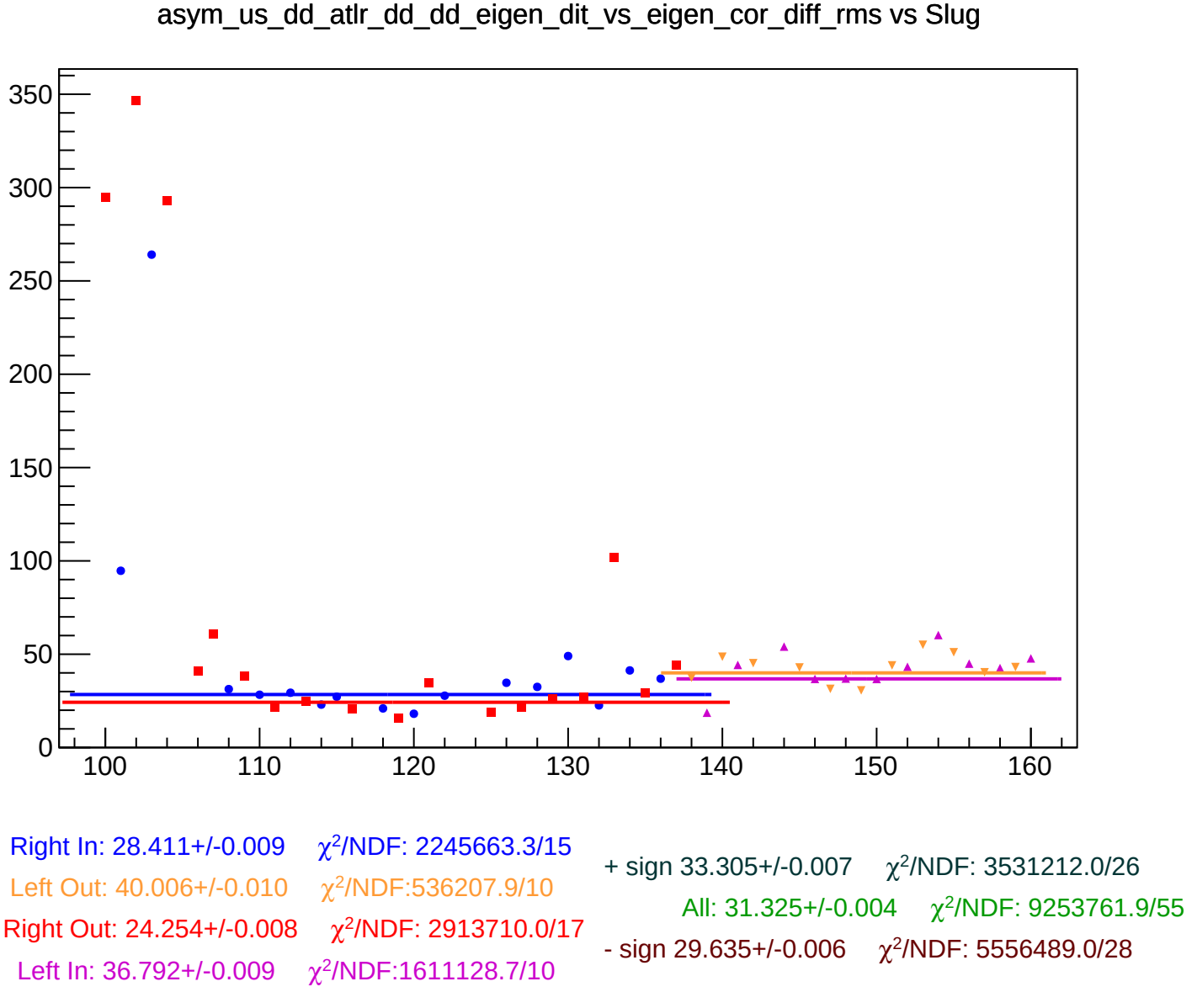
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

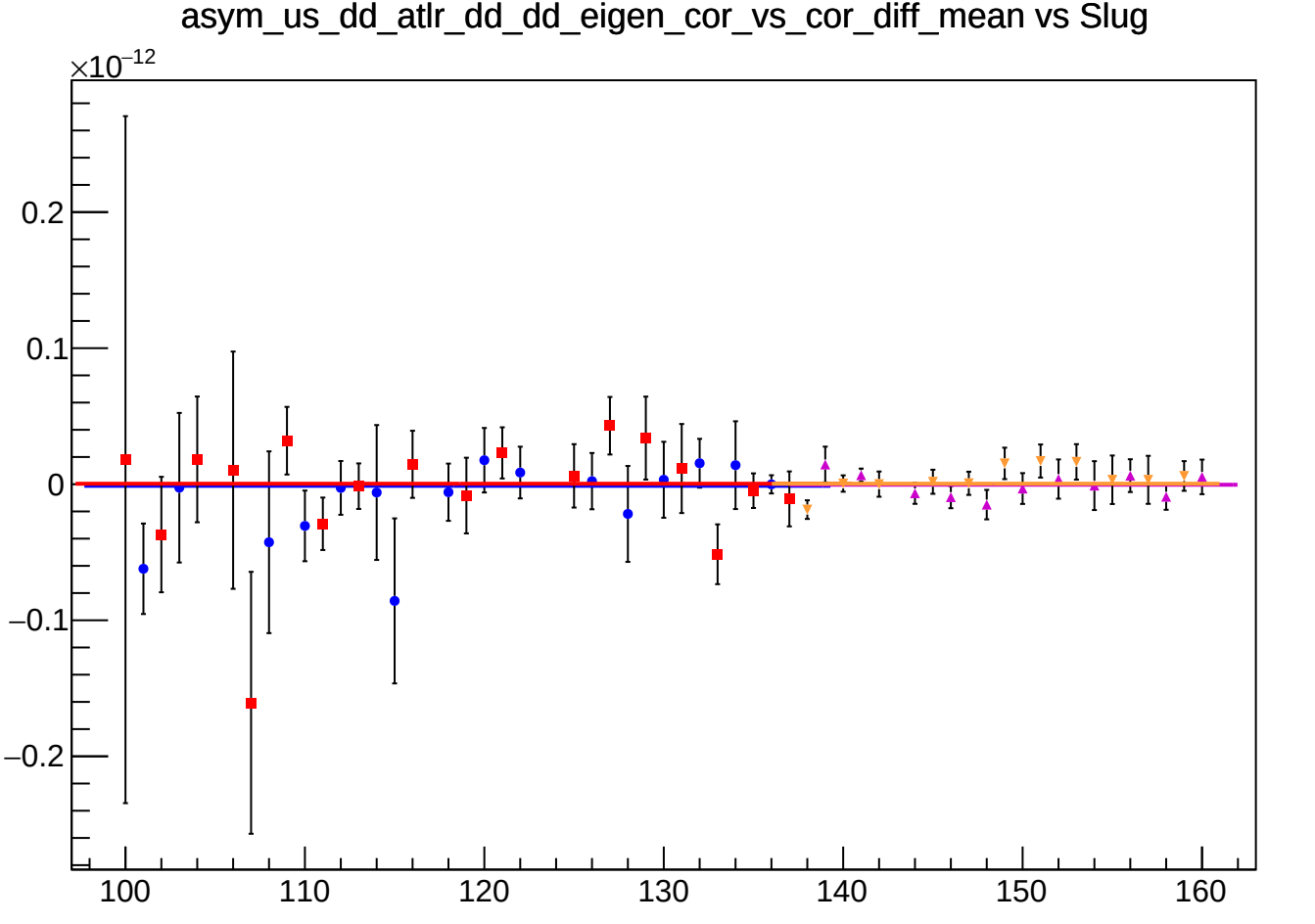
Left In: 0.009+/-0.013 χ^2/NDF:13.8/10

+ sign 0.003+/-0.009 χ^2/NDF: 46.1/26

All: 0.005+/-0.006 χ^2/NDF: 67.8/55

- 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: 40.006+/-0.010 χ²/NDF:536207.9/10
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 36.792+/-0.009 χ²/NDF:1611128.7/10
+ sign 33.305+/-0.007 χ²/NDF: 3531212.0/26
All: 31.325+/-0.004 χ²/NDF: 9253761.9/55
- 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:13.2/10

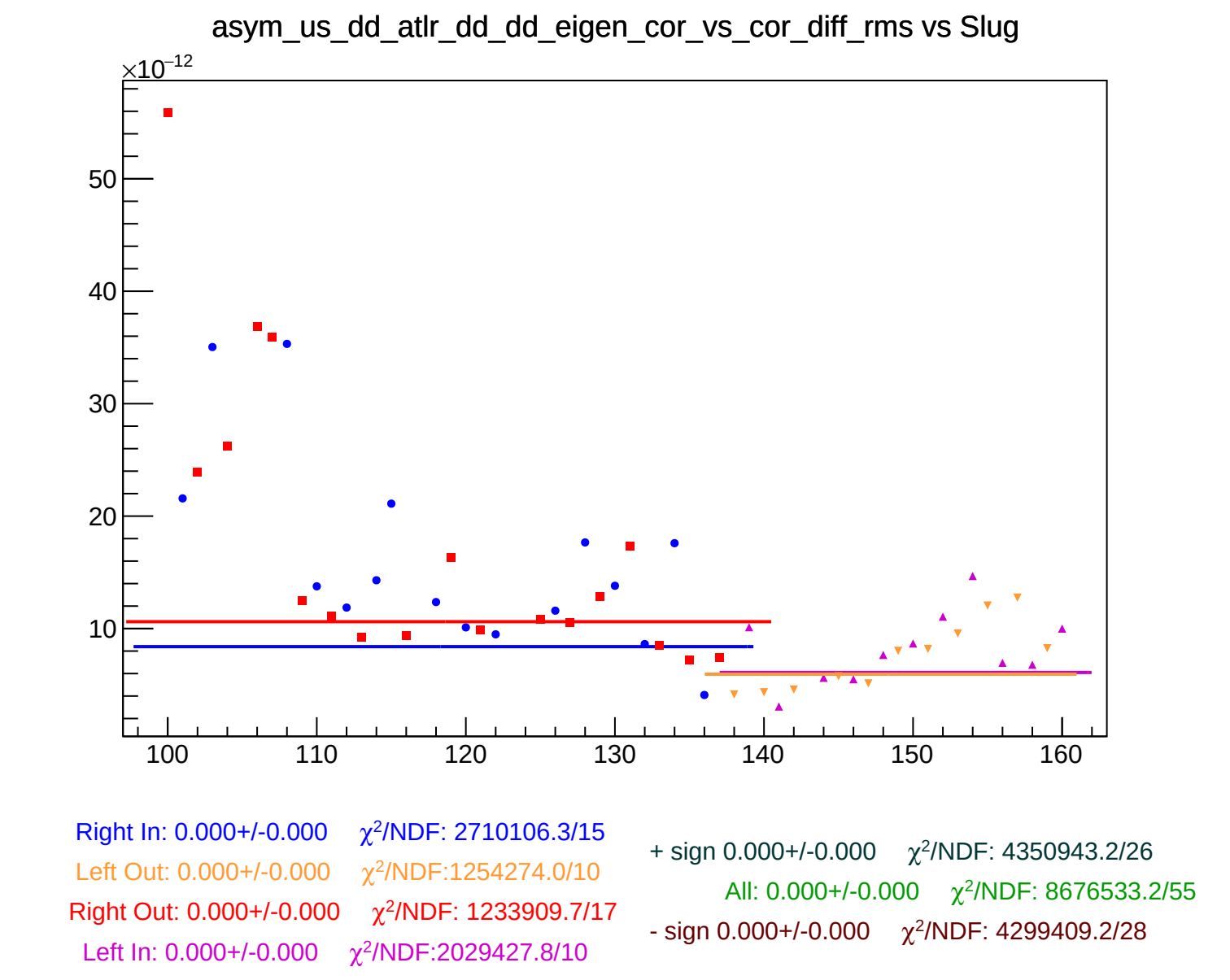
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:8.6/10

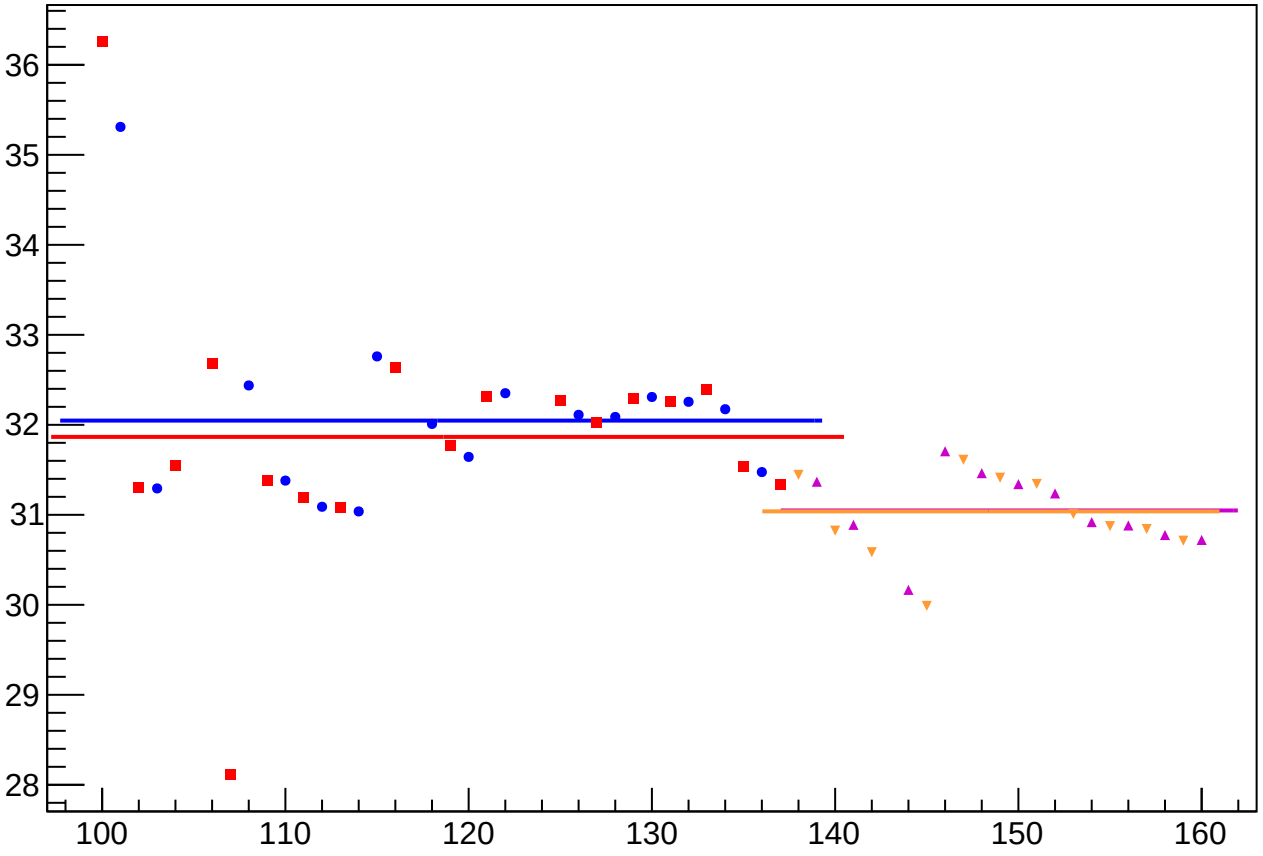
+ sign -0.000+/-0.000 χ^2/NDF: 22.7/26

All: -0.000+/-0.000 χ^2/NDF: 52.4/55

- 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:1254274.0/10
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: 4350943.2/26
All: 0.000+/-0.000 χ²/NDF: 8676533.2/55
- 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:214005879.3/10

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

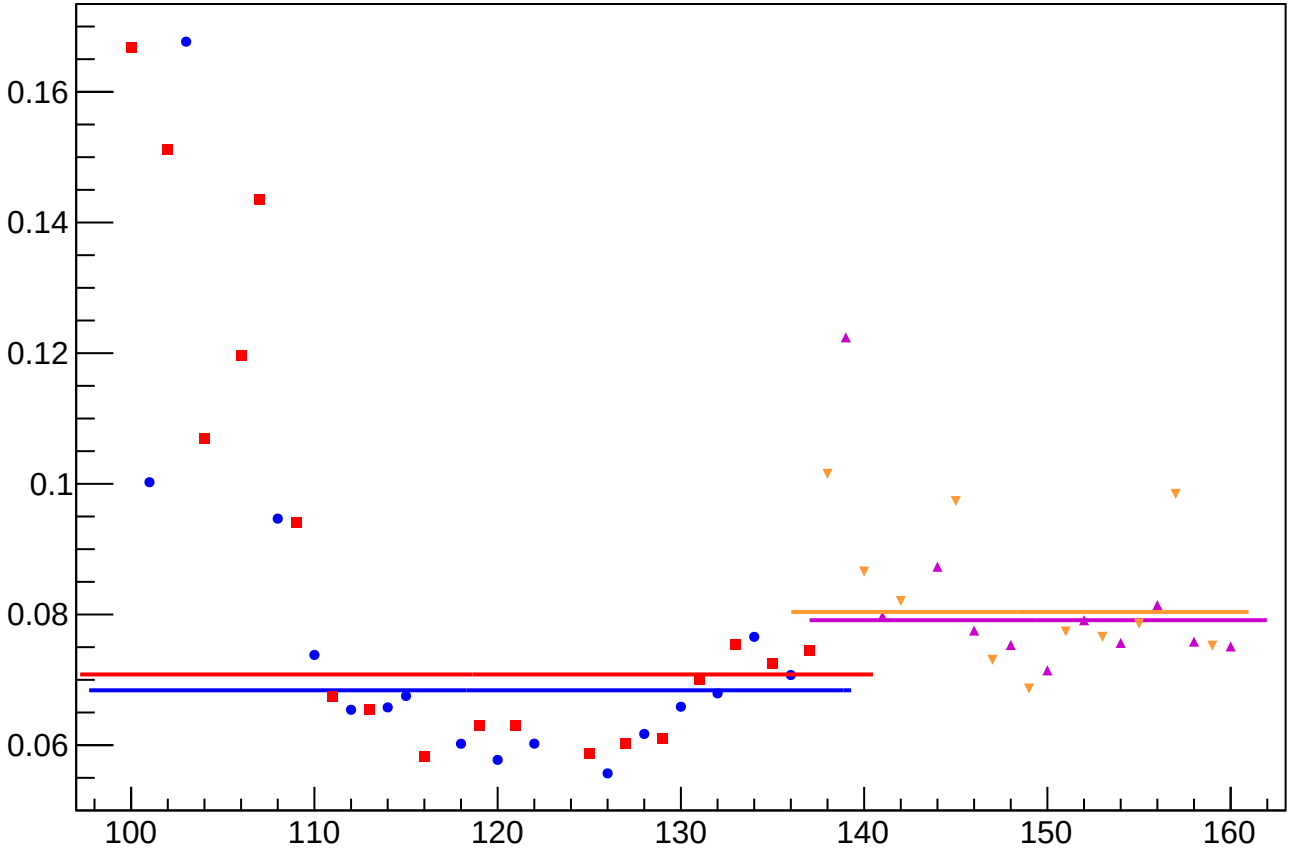
Left In: 31.048+/-0.000 χ^2/NDF:219083416.9/10

+ sign 31.572+/-0.000 χ^2/NDF: 1753919257.3/26

All: 31.505+/-0.000 χ^2/NDF: 2914496682.6/5

- sign 31.439+/-0.000 χ^2/NDF: 1138064967.7/28

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.080+/-0.000 χ^2/NDF:235527.9/10

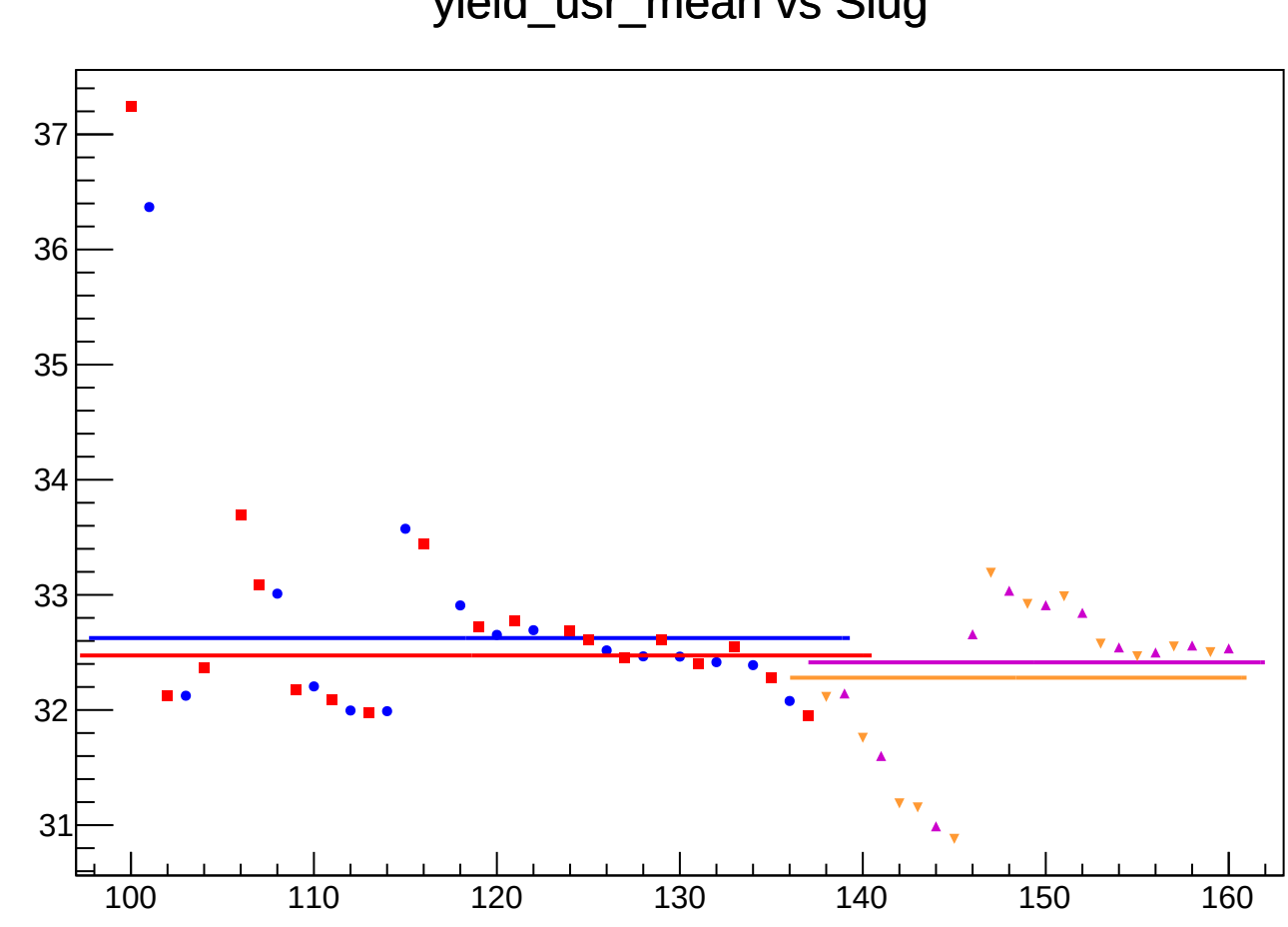
Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.079+/-0.000 χ^2/NDF:246695.5/10

+ sign 0.074+/-0.000 χ^2/NDF: 1120081.5/26

All: 0.075+/-0.000 χ^2/NDF: 2327526.7/55

- sign 0.075+/-0.000 χ^2/NDF: 1204292.4/28



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.281+/-0.000 χ^2/NDF:754705400.7/11

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

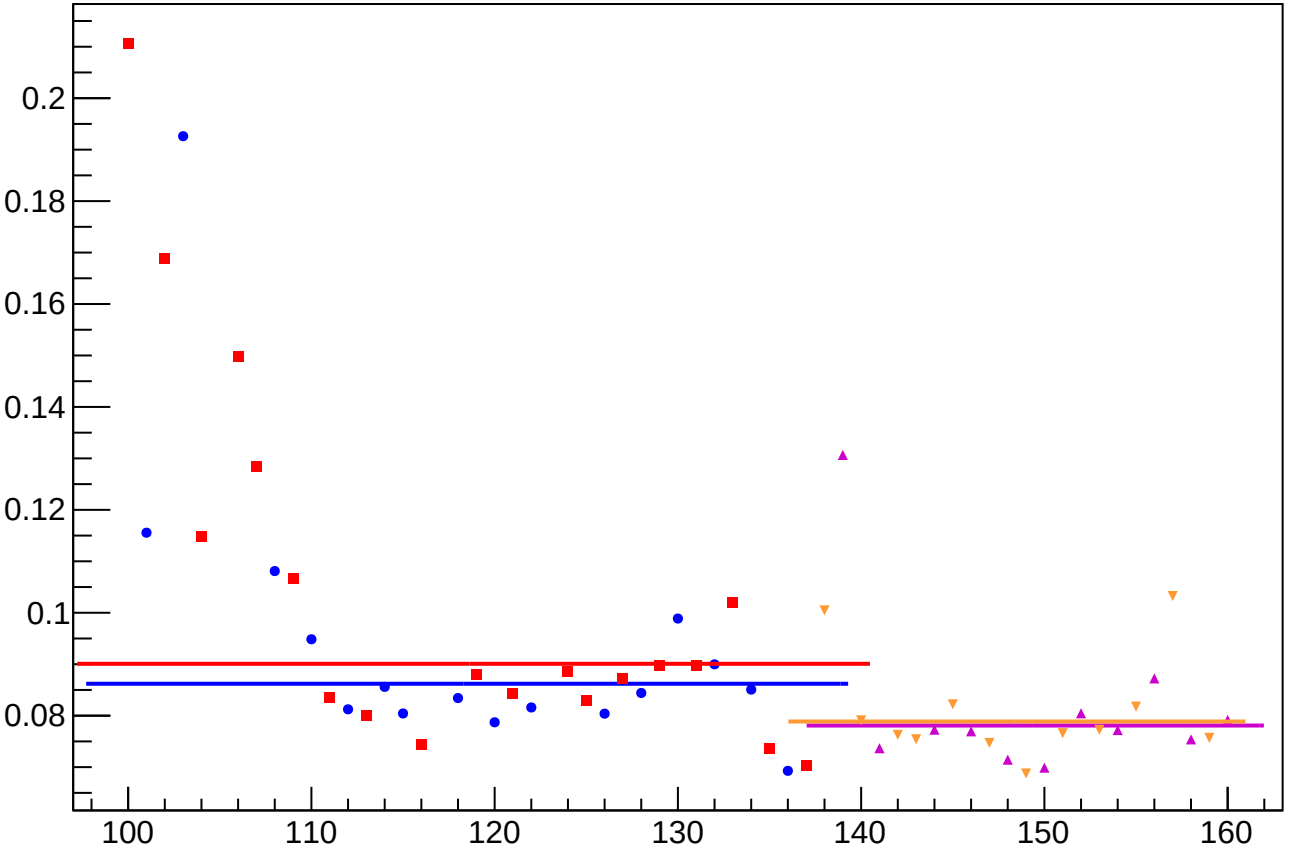
Left In: 32.414+/-0.000 χ^2/NDF:520446798.0/10

+ sign 32.412+/-0.000 χ^2/NDF: 1555765602.6/27

All: 32.424+/-0.000 χ^2/NDF: 2235422295.6/5

- 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:194605.0/11

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

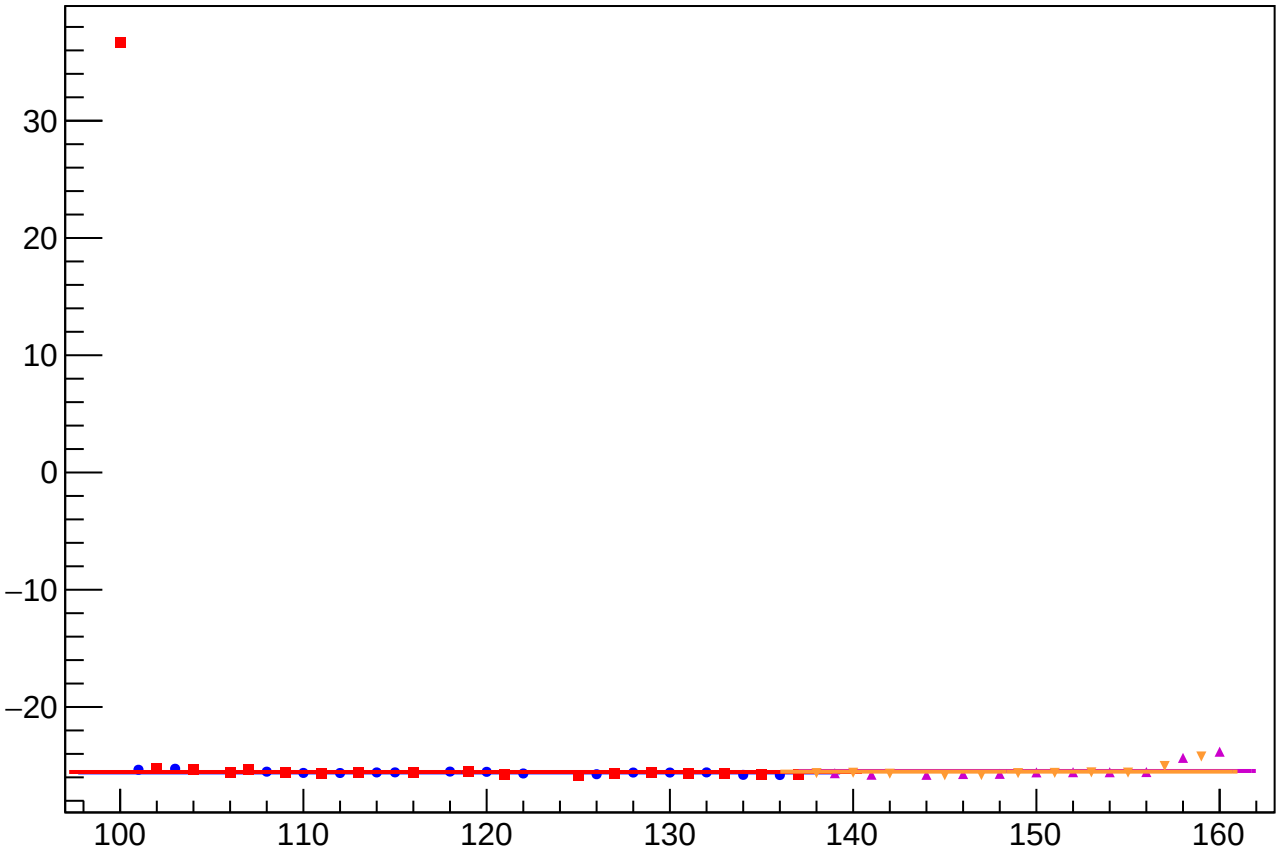
Left In: 0.078+/-0.000 χ^2/NDF:327077.2/10

+ sign 0.082+/-0.000 χ^2/NDF: 849531.6/27

All: 0.082+/-0.000 χ^2/NDF: 1946186.8/57

- 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: -25.513+/-0.000 χ^2/NDF:703717012.2/10

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

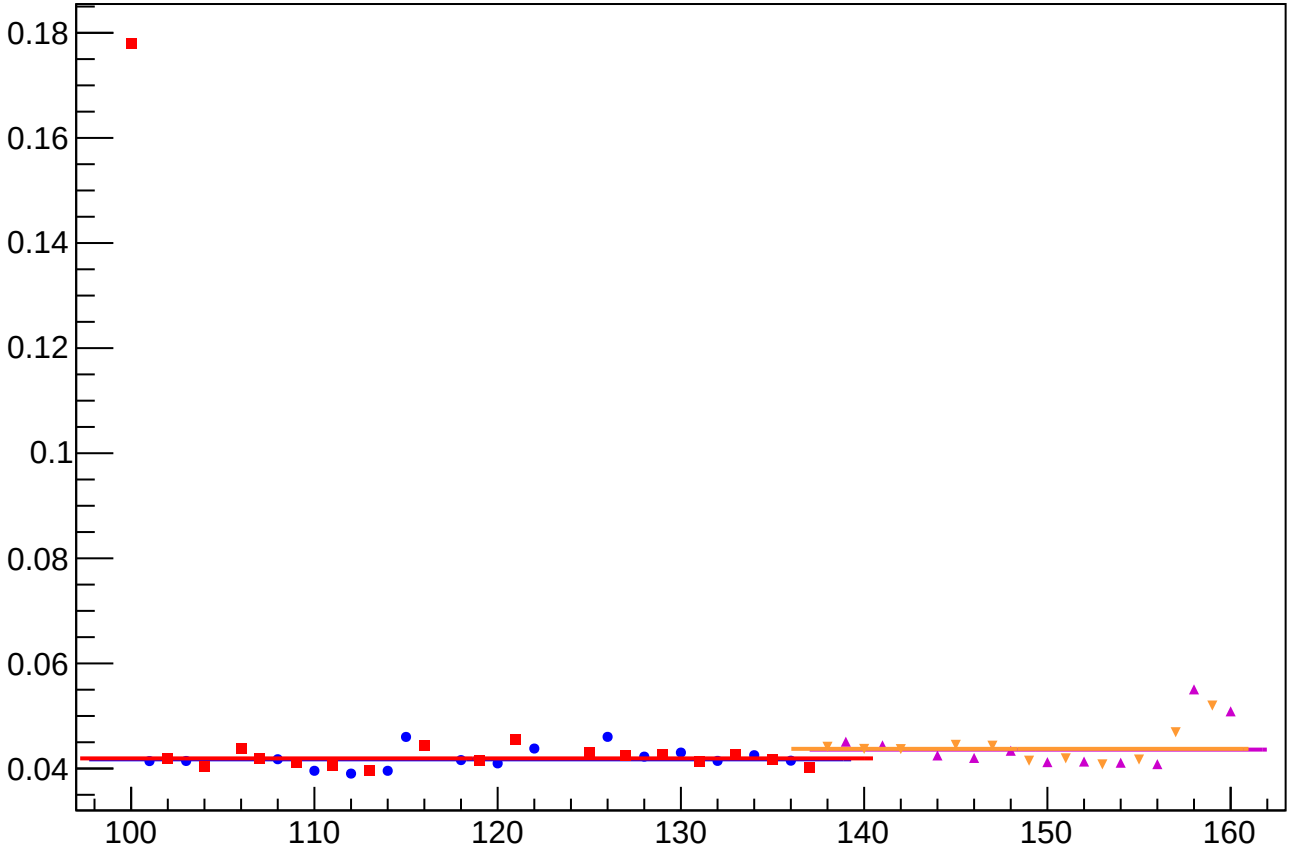
Left In: -25.457+/-0.000 χ^2/NDF:1386578453.7/10

+ sign -25.545+/-0.000 χ^2/NDF: 811459743.7/26

All: -25.520+/-0.000 χ^2/NDF: 11132318850.6

- 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:69983.5/10

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

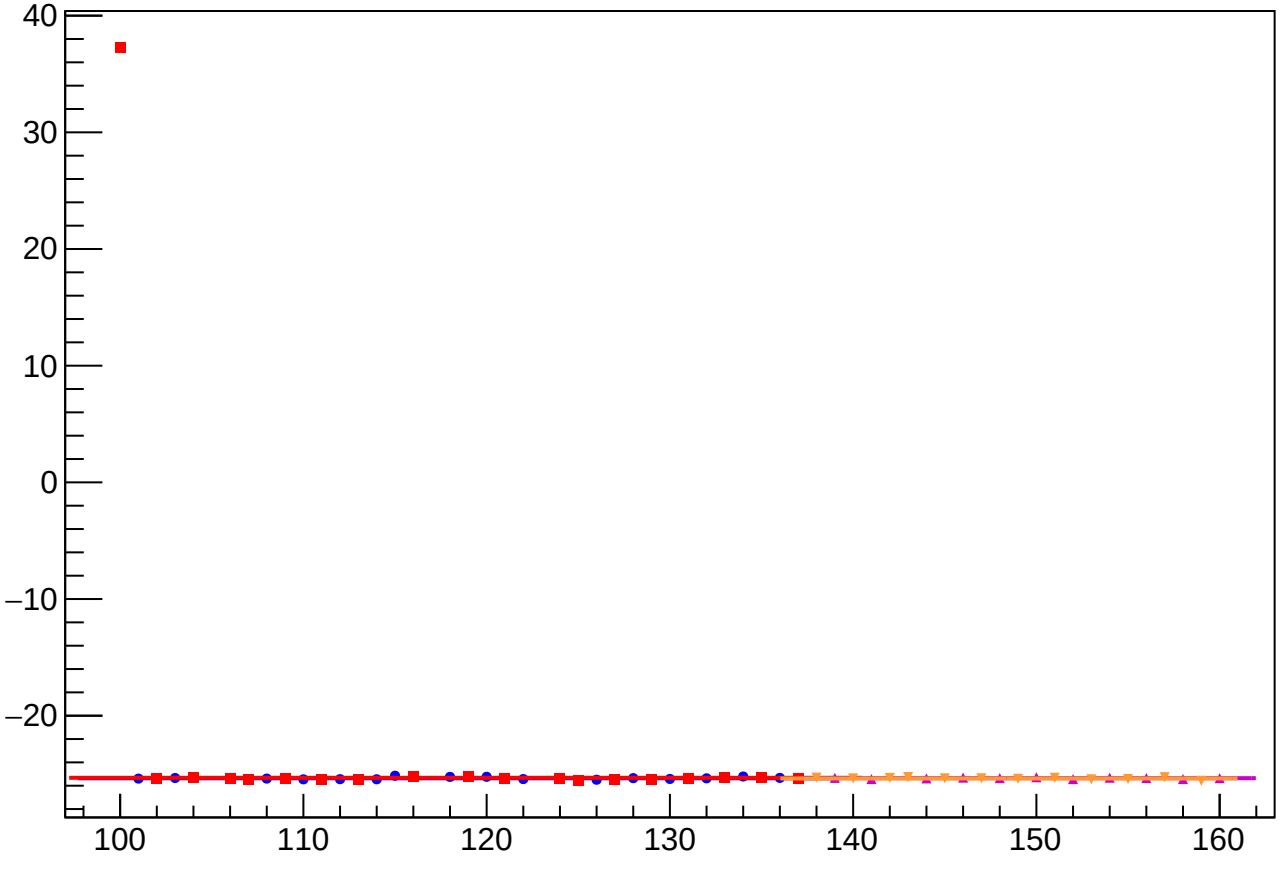
Left In: 0.044+/-0.000 χ^2/NDF:137879.8/10

+ sign 0.043+/-0.000 χ^2/NDF: 107792.1/26

All: 0.043+/-0.000 χ^2/NDF: 358377.6/55

- 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: -25.378+/-0.000 χ^2/NDF:22016220.8/11

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

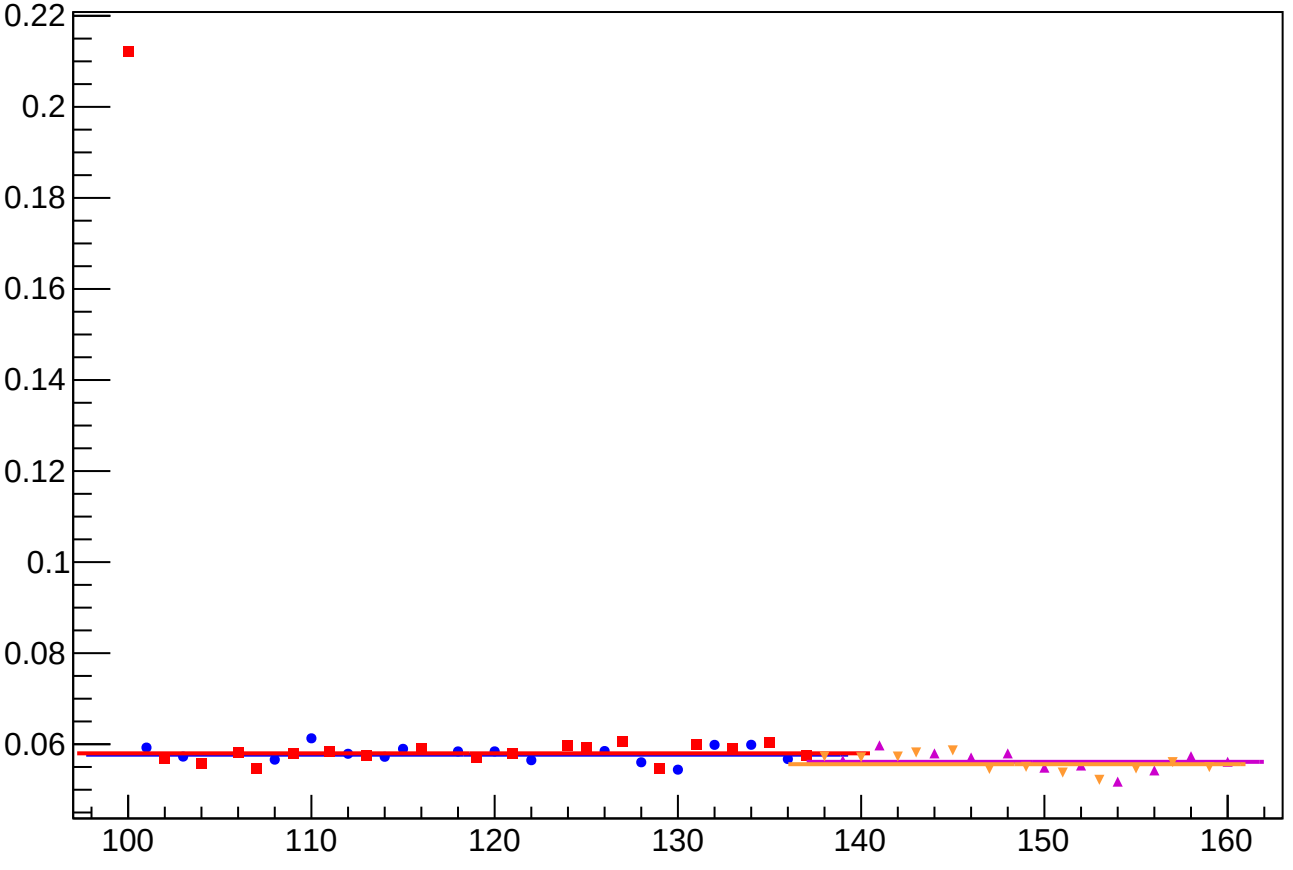
Left In: -25.354+/-0.000 χ^2/NDF:7930465.8/10

+ sign -25.371+/-0.000 χ^2/NDF: 35686389.4/27

All: -25.355+/-0.000 χ^2/NDF: 6362096612.0/

- 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:20843.2/11

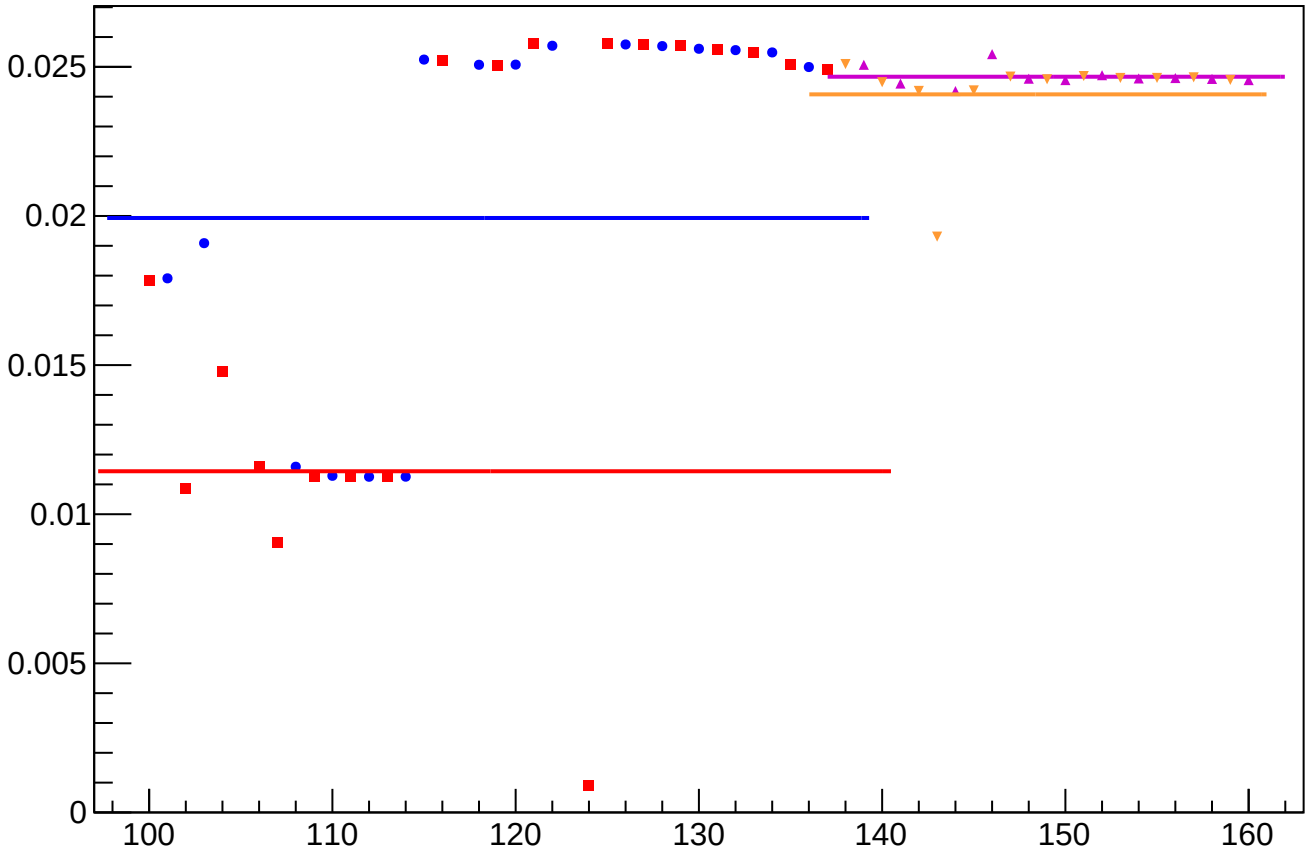
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:26188.9/10

+ sign 0.056+/-0.000 χ^2/NDF: 43357.7/27

All: 0.057+/-0.000 χ^2/NDF: 167884.0/57

- 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:4590765513.8/11

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

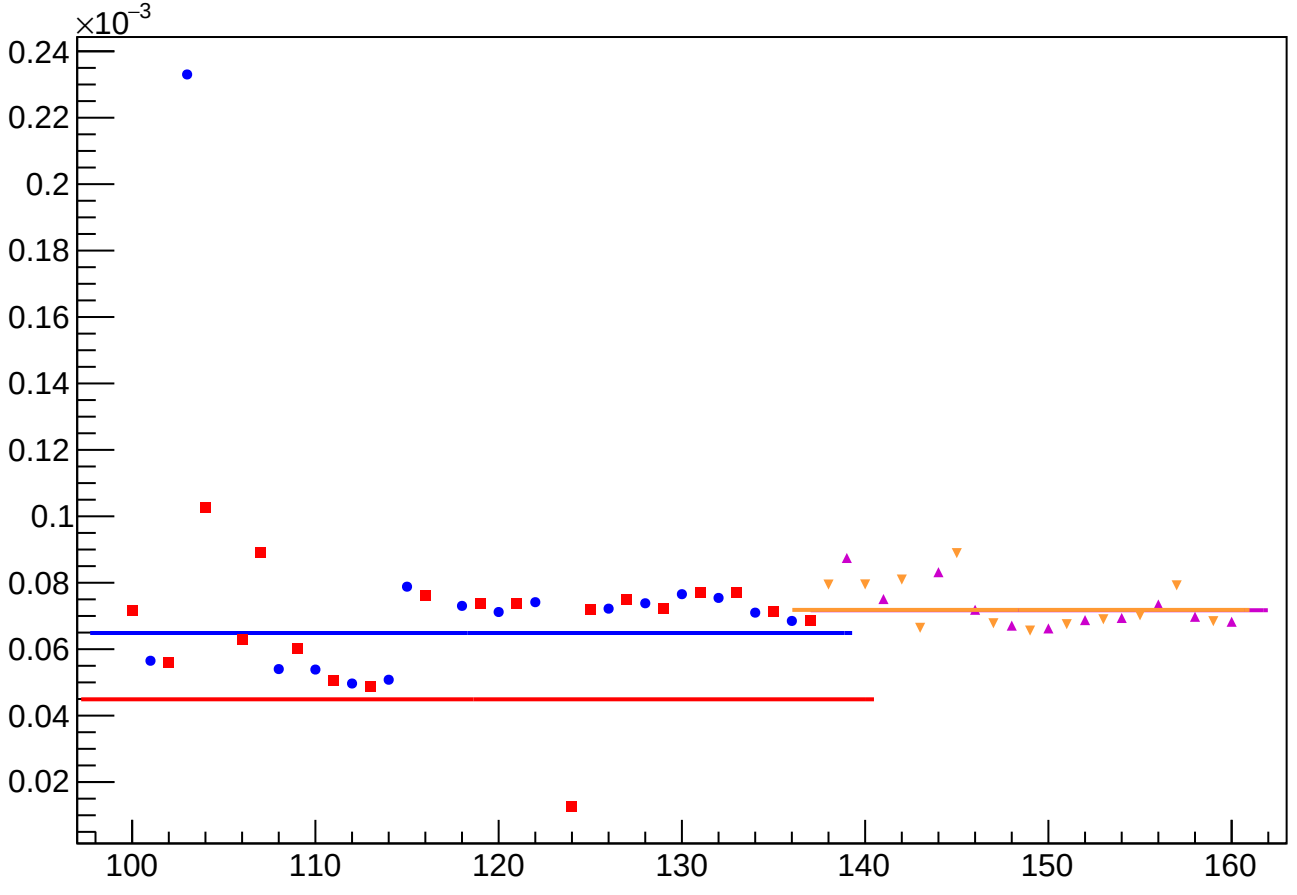
Left In: 0.025+/-0.000 χ^2/NDF:158631104.5/10

+ sign 0.022+/-0.000 χ^2/NDF: 81337364473.8/27

All: 0.019+/-0.000 χ^2/NDF: 570119980800.2

- 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:156142.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

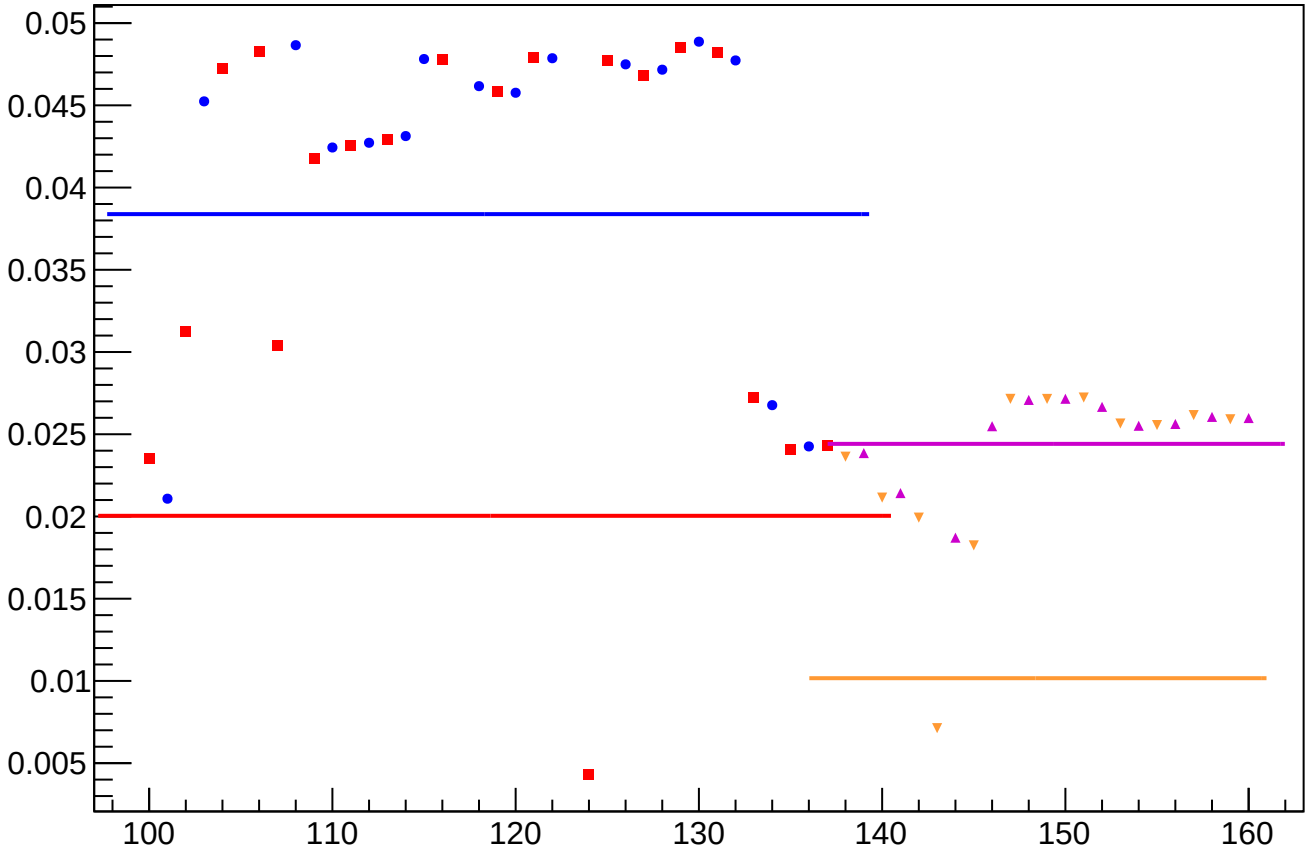
Left In: 0.000+/-0.000 χ^2/NDF:120253.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 1053408.2/27

All: 0.000+/-0.000 χ^2/NDF: 7045122.8/57

- sign 0.000+/-0.000 χ^2/NDF: 5403468.8/29

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:23493386687.5/11

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

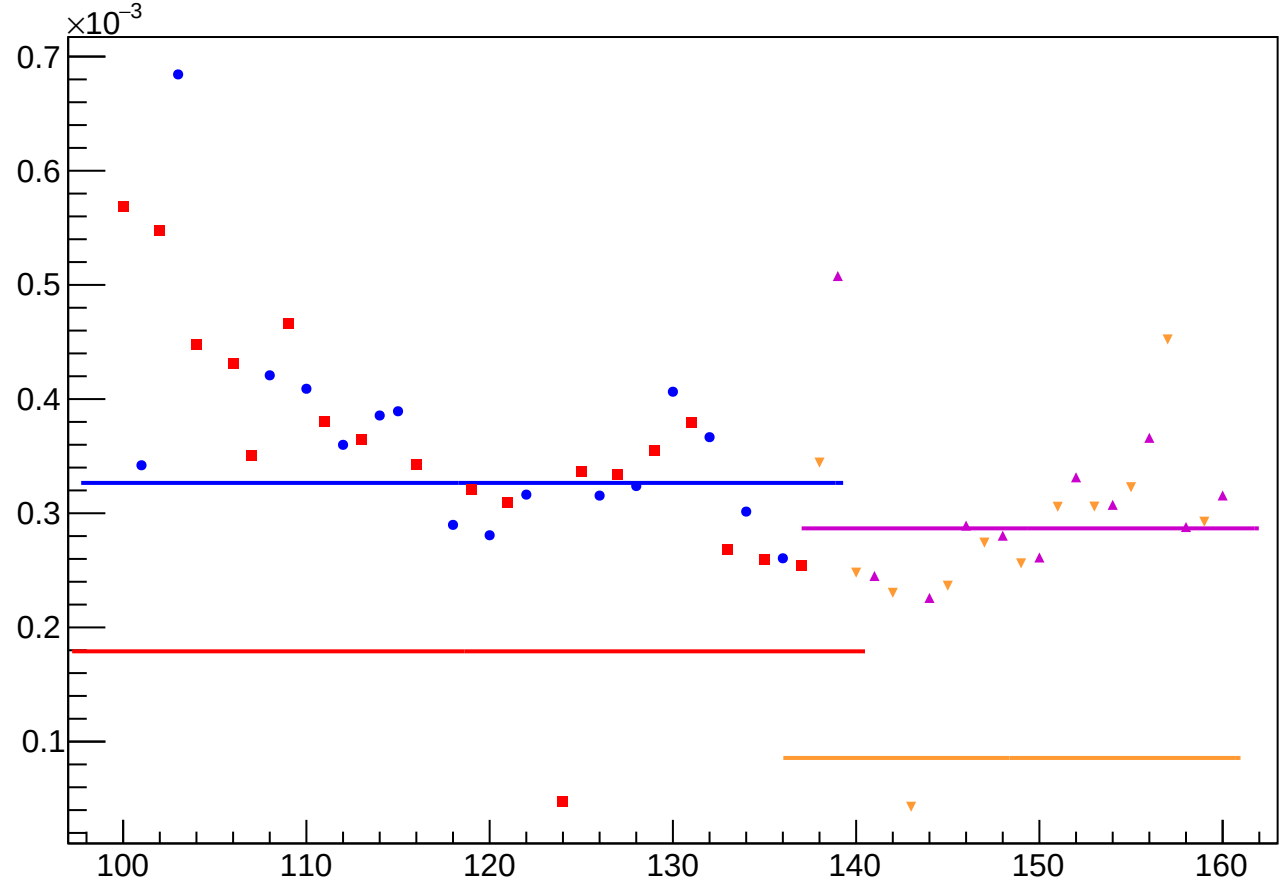
Left In: 0.024+/-0.000 χ^2/NDF:904145100.9/10

+ sign 0.013+/-0.000 χ^2/NDF: 72981803539.3/27

All: 0.015+/-0.000 χ^2/NDF: 130369538024.5

- 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:9312857.9/11

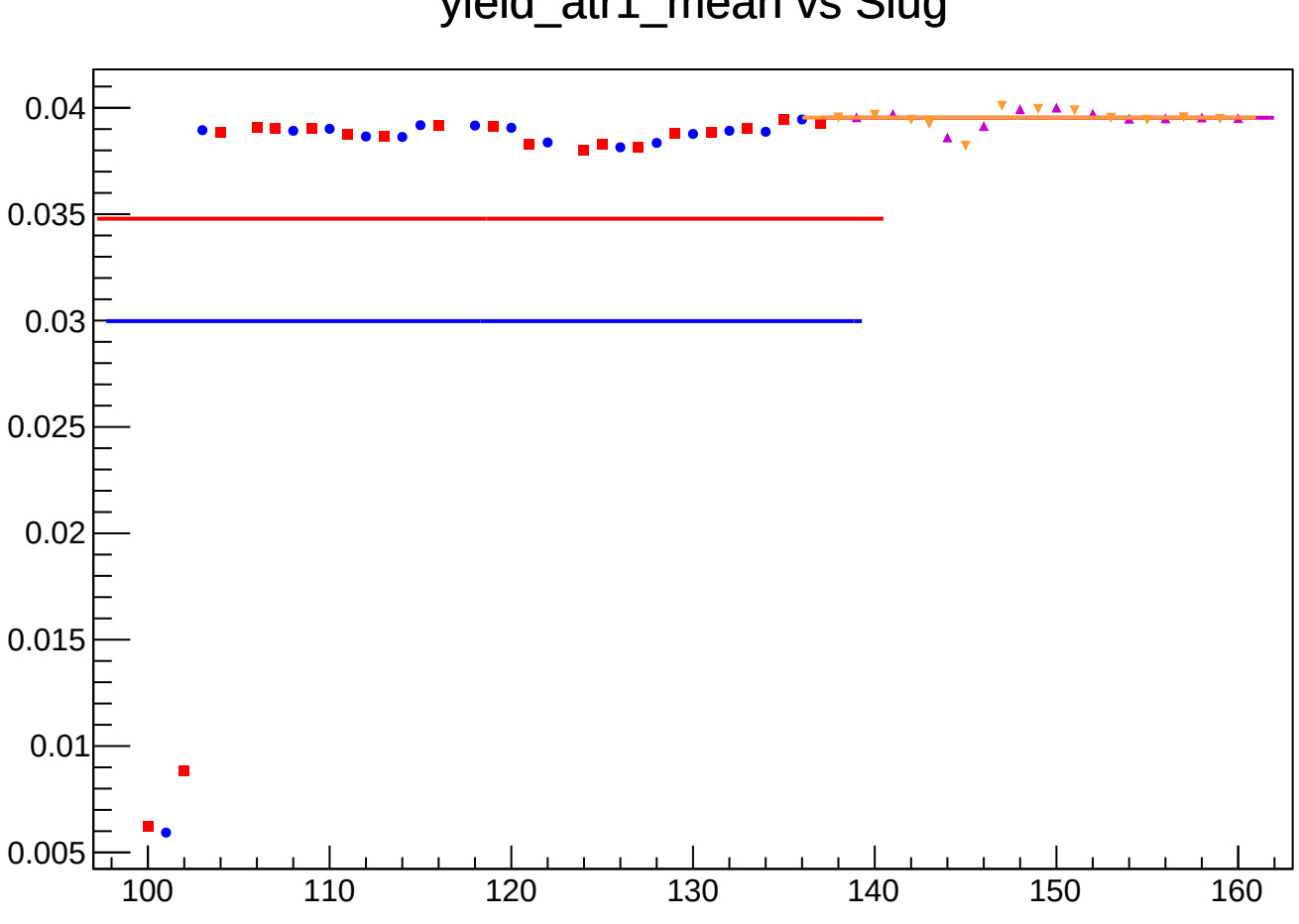
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:598372.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 16076411.1/27

All: 0.000+/-0.000 χ^2/NDF: 28159423.9/57

- 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:93084165.6/11

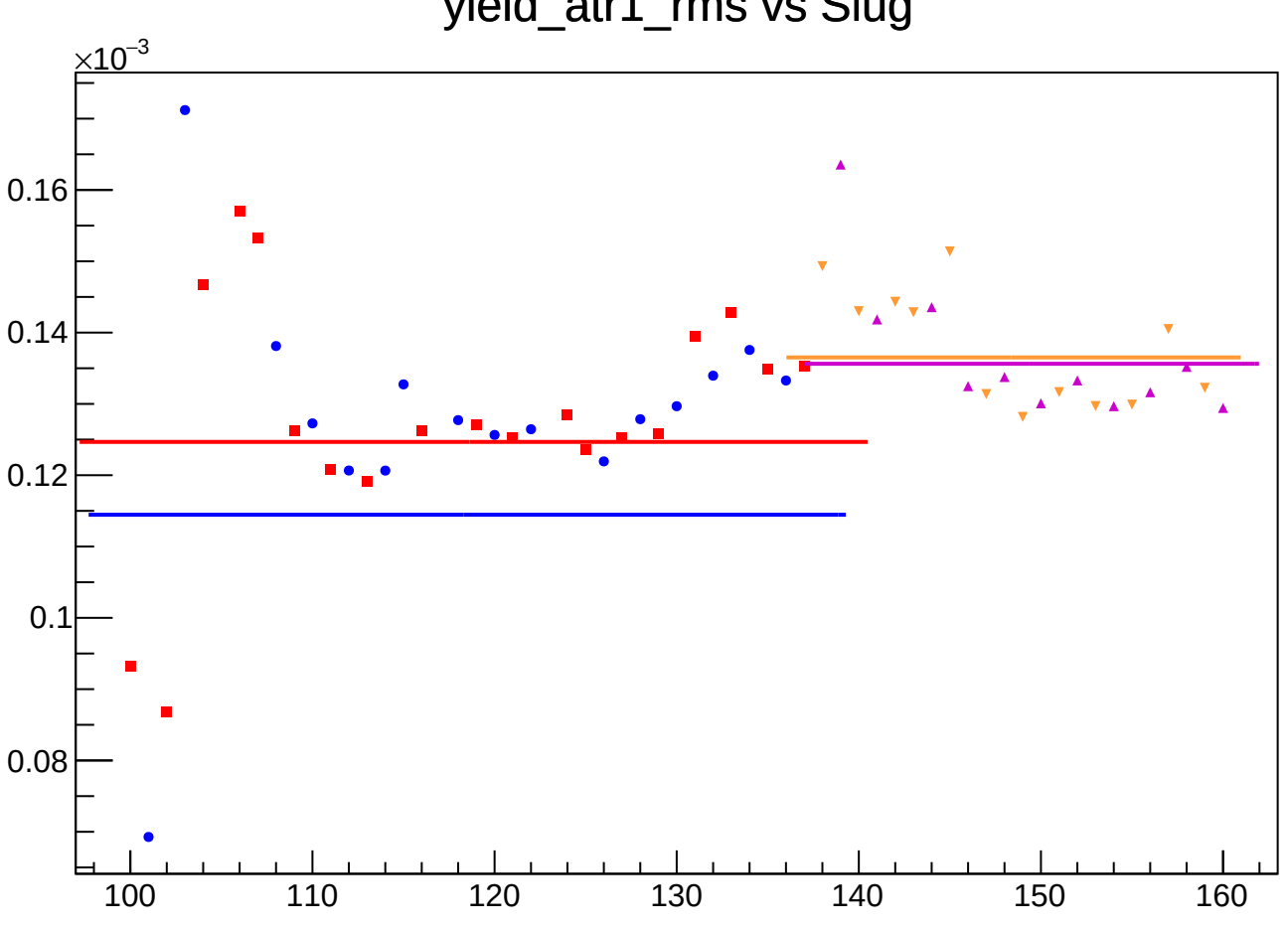
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:65860157.7/10

+ sign 0.035+/-0.000 χ^2/NDF: 131282344587.9/27

All: 0.036+/-0.000 χ^2/NDF: 187253321213.3

- 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:58315.6/11

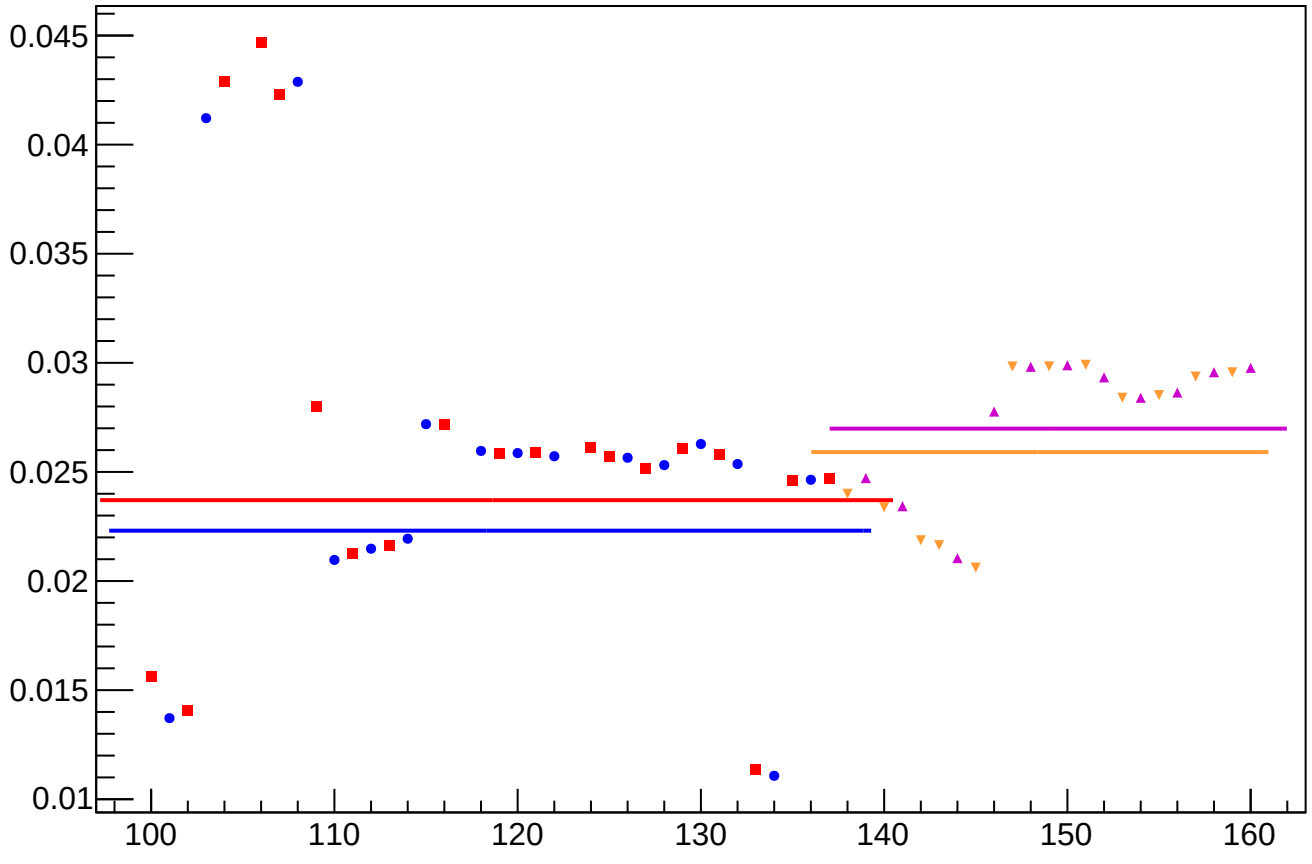
Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

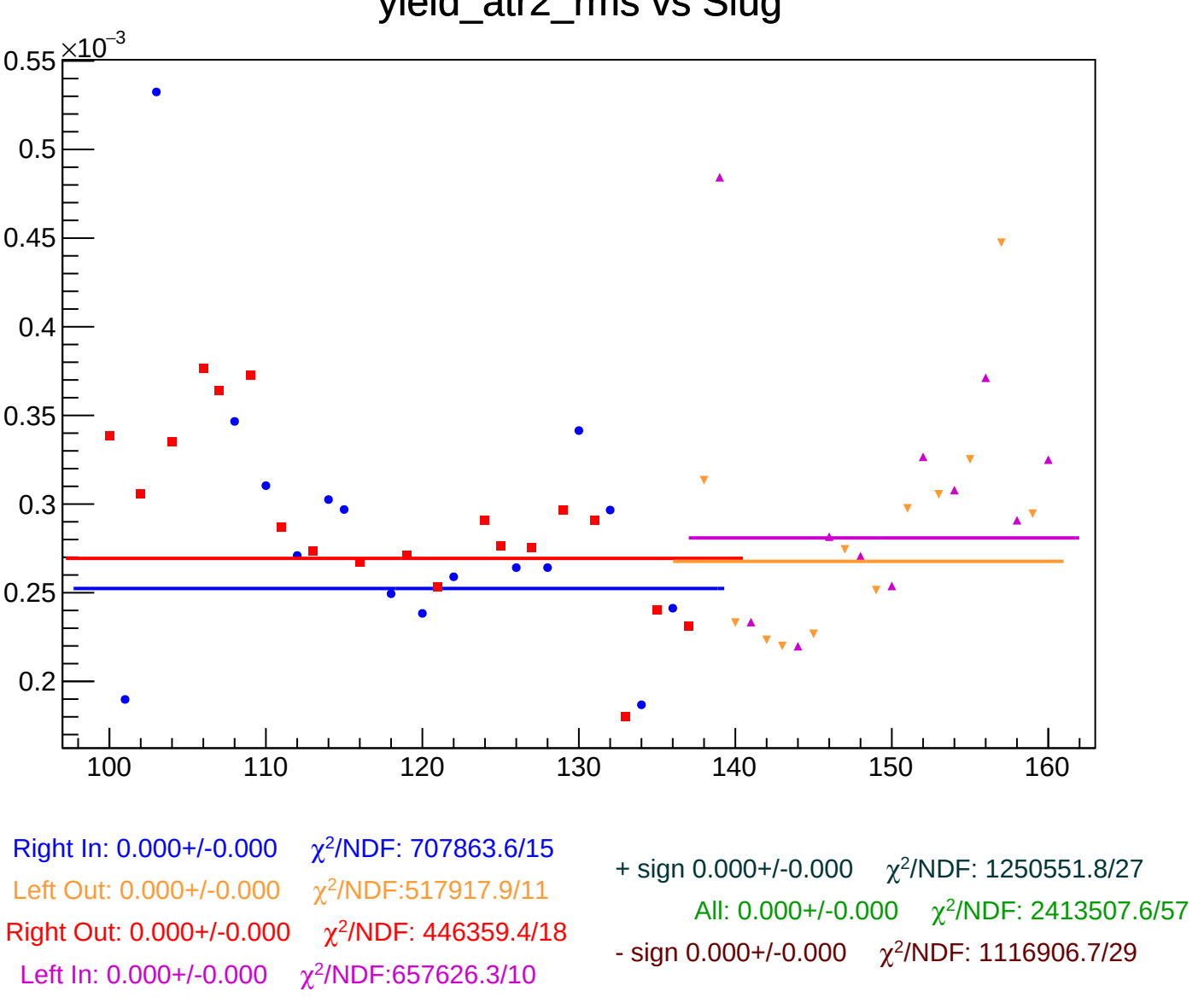
Left In: 0.000+/-0.000 χ^2/NDF:70561.5/10

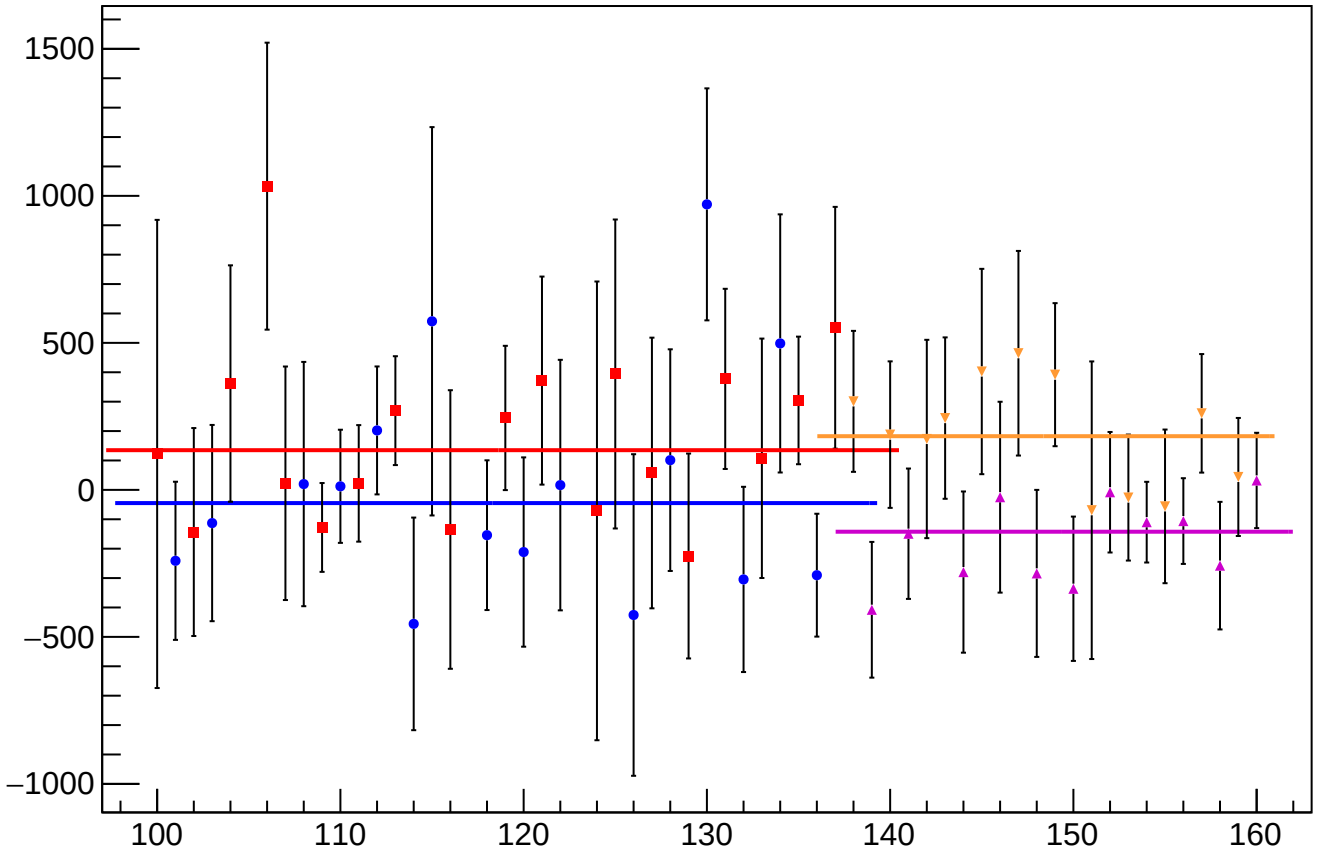
+ sign 0.000+/-0.000 χ^2/NDF: 1155037.7/27

All: 0.000+/-0.000 χ^2/NDF: 1568504.6/57

- sign 0.000+/-0.000 χ^2/NDF: 387722.5/29


yield_atr2_mean vs Slug
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
100
110
120
130
140
150
160
Right In: 0.022+/-0.000 χ²/NDF: 5012486114.6/15
Left Out: 0.026+/-0.000 χ²/NDF:1623958657.9/11
Right Out: 0.024+/-0.000 χ²/NDF: 5581865088.7/18
Left In: 0.027+/-0.000 χ²/NDF:1190615623.4/10
+ sign 0.024+/-0.000 χ²/NDF: 7321404231.6/27
All: 0.025+/-0.000 χ²/NDF: 14774550563.7/5
- sign 0.025+/-0.000 χ²/NDF: 7294710011.5/29


yield_atr2_rms vs Slug
×10^−3
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 707863.6/15
Left Out: 0.000+/-0.000 χ²/NDF:517917.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 446359.4/18
Left In: 0.000+/-0.000 χ²/NDF:657626.3/10
+ sign 0.000+/-0.000 χ²/NDF: 1250551.8/27
All: 0.000+/-0.000 χ²/NDF: 2413507.6/57
- sign 0.000+/-0.000 χ²/NDF: 1116906.7/29



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 182.569+/-74.814 χ^2/NDF:4.7/11

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

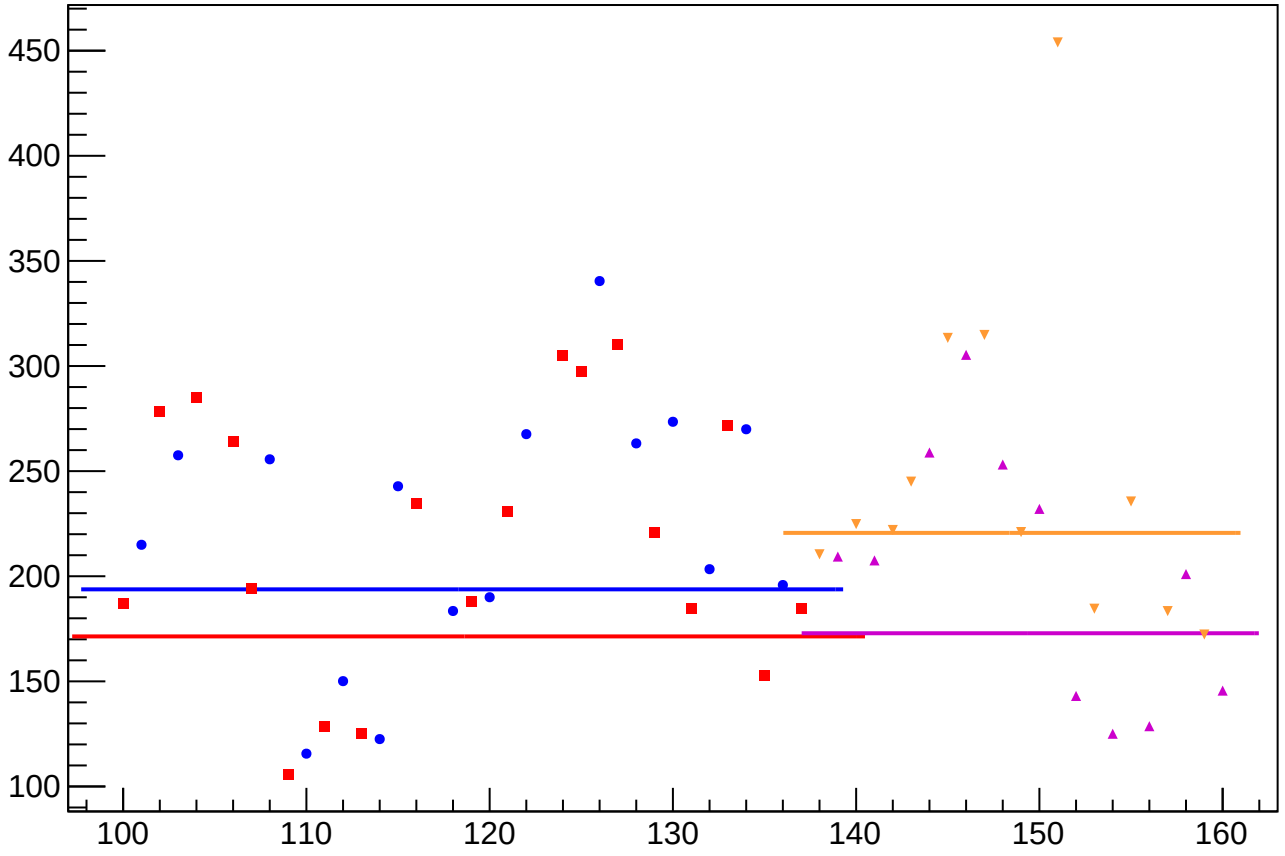
Left In: -142.322+/-60.395 χ^2/NDF:4.6/10

+ sign 70.911+/-53.384 χ^2/NDF: 24.8/27

All: 17.843+/-34.484 χ^2/NDF: 53.2/57

- 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: 220.627+/-0.053 χ^2/NDF:979820.0/11

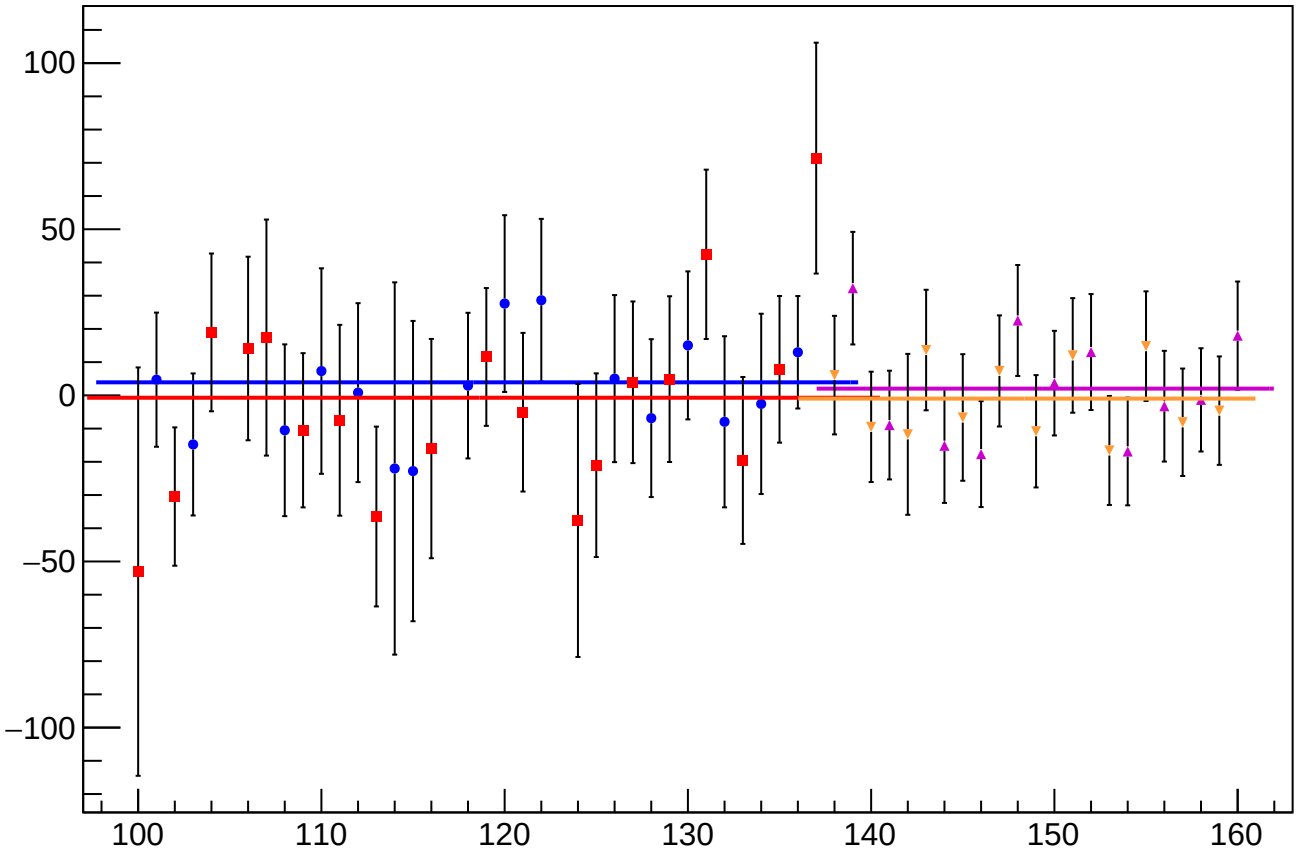
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 172.884+/-0.043 χ^2/NDF:1463649.1/10

+ sign 207.444+/-0.038 χ^2/NDF: 2154447.3/27

All: 186.919+/-0.024 χ^2/NDF: 5784044.3/57

- 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: -0.973+/-5.021 χ^2/NDF:4.6/11

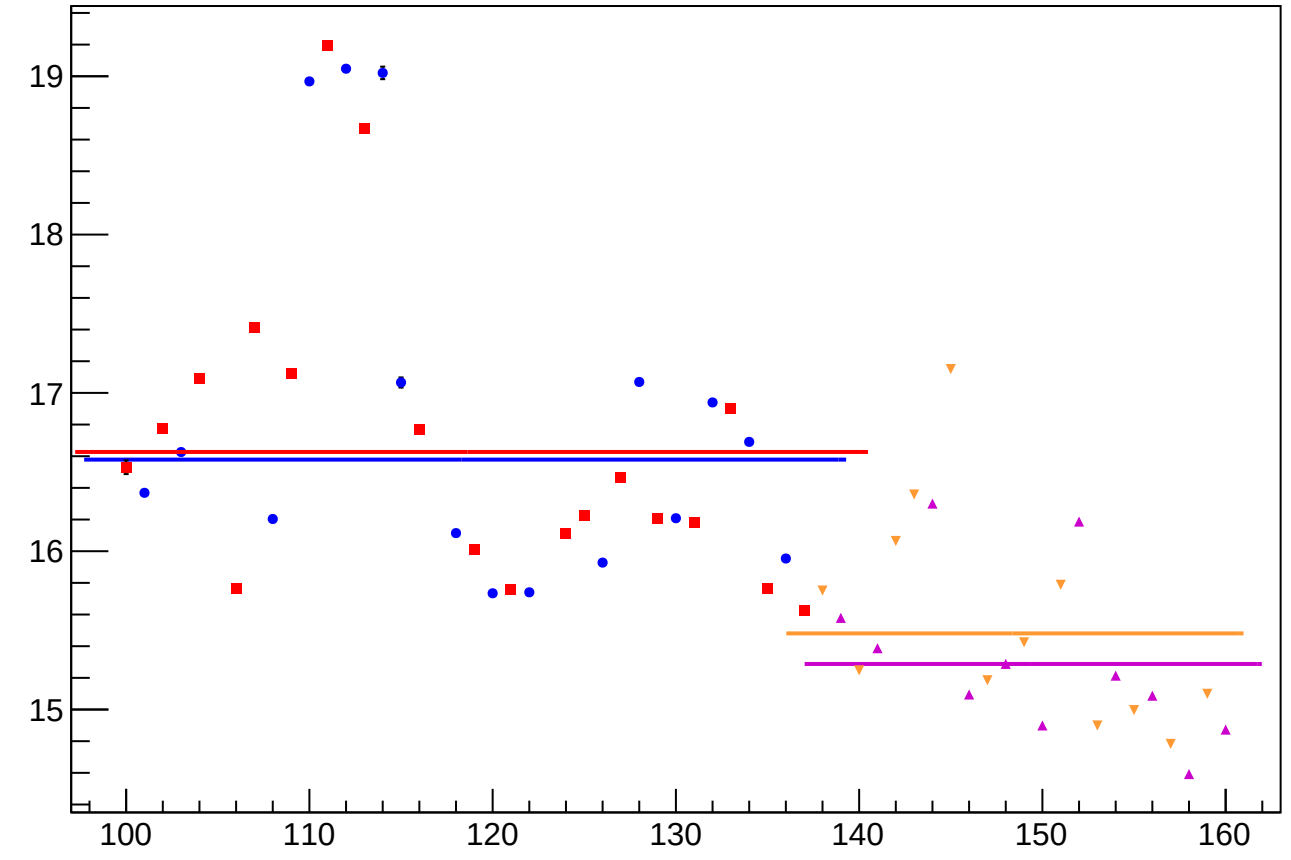
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 2.029+/-4.954 χ^2/NDF:10.5/10

\+ sign 0.977+/-3.895 χ^2/NDF: 9.4/27

All: 0.955+/-2.734 χ^2/NDF: 36.0/57

\- 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: 15.481+/-0.004 χ^2/NDF:32403.6/11

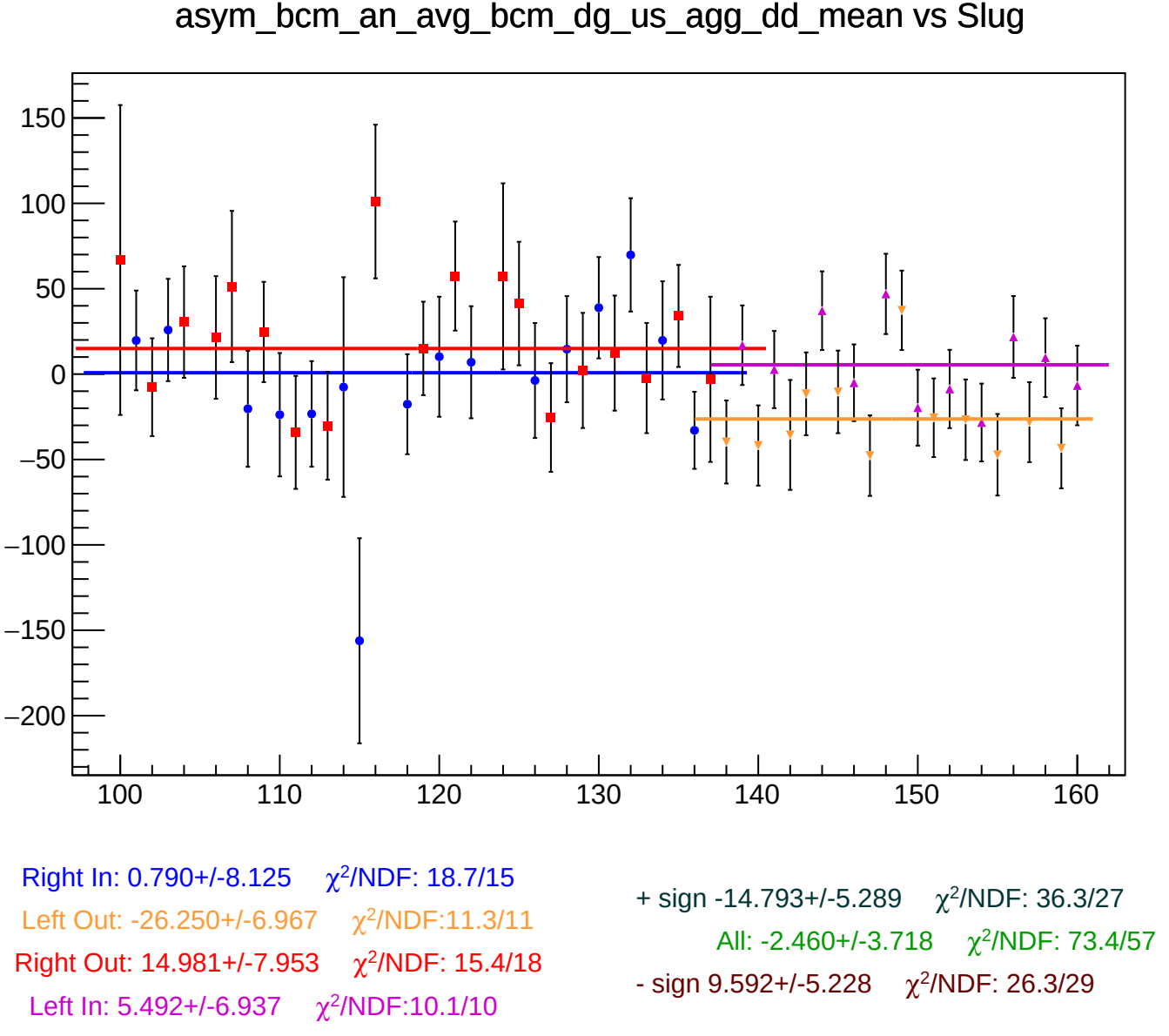
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.288+/-0.004 χ^2/NDF:20051.0/10

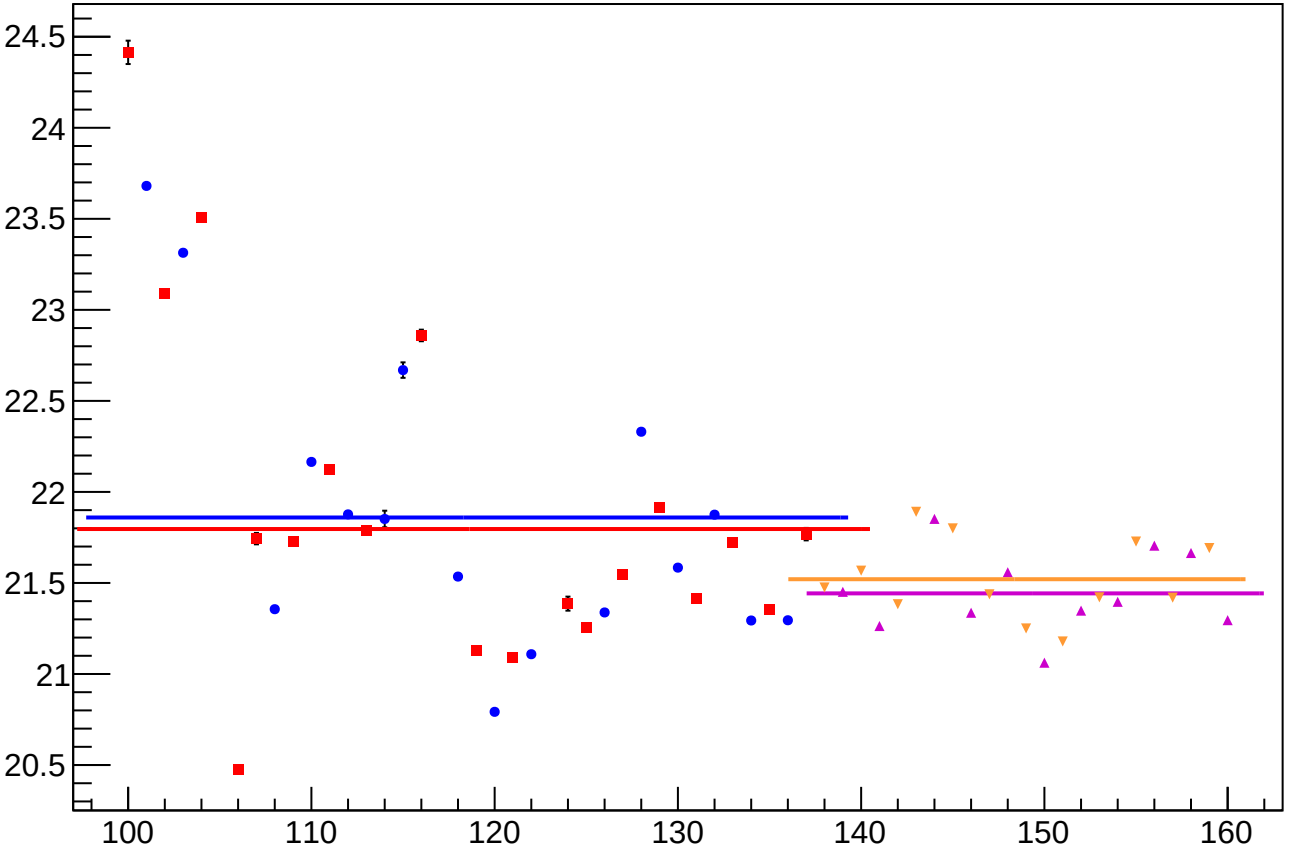
\+ sign 15.918+/-0.003 χ^2/NDF: 115058.6/27

All: 15.870+/-0.002 χ^2/NDF: 237532.8/57

\- 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: -26.250+/-6.967 χ²/NDF:11.3/11
Right Out: 14.981+/-7.953 χ²/NDF: 15.4/18
Left In: 5.492+/-6.937 χ²/NDF:10.1/10
+ sign -14.793+/-5.289 χ²/NDF: 36.3/27
All: -2.460+/-3.718 χ²/NDF: 73.4/57
- sign 9.592+/-5.228 χ²/NDF: 26.3/29

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.521+/-0.005 χ^2/NDF:1849.2/11

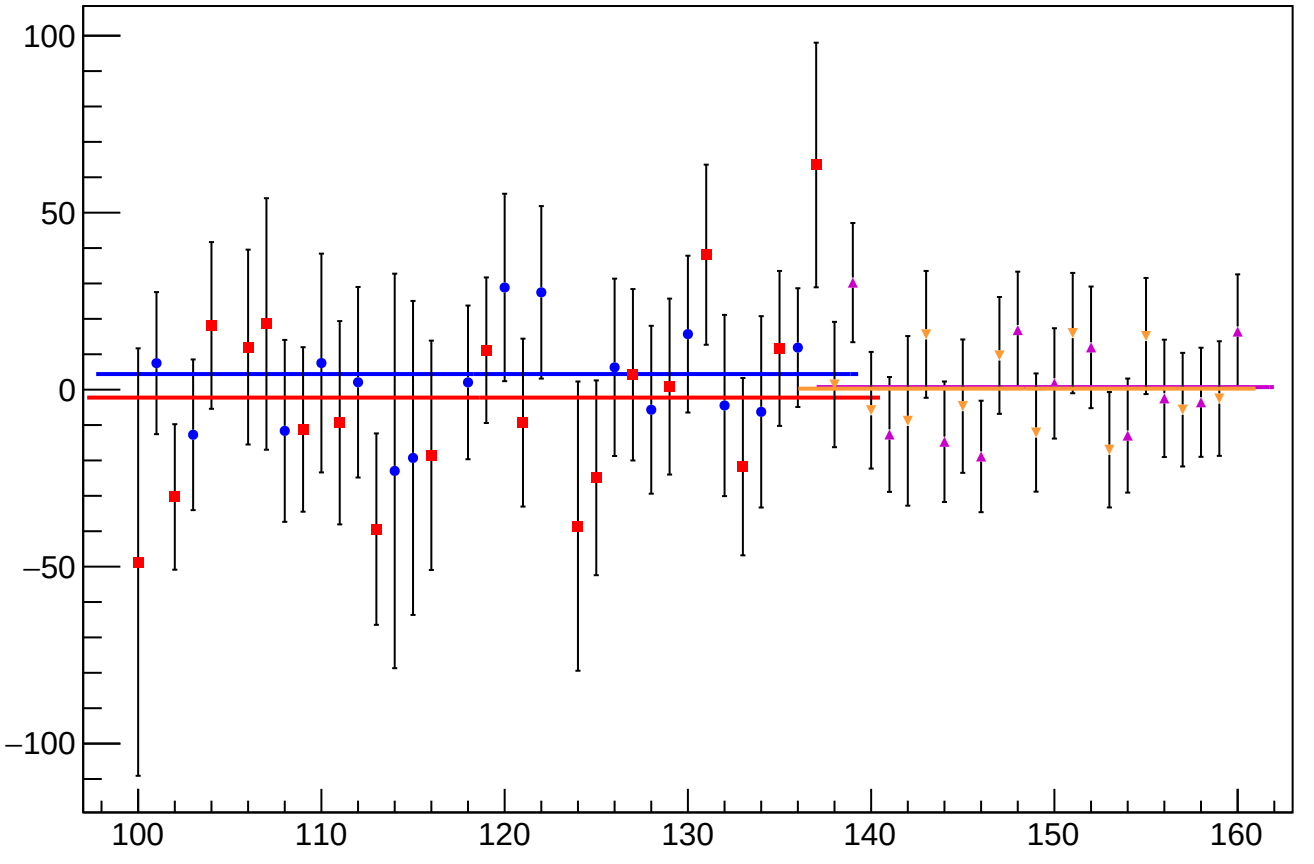
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.443+/-0.005 χ^2/NDF:1983.1/10

+ sign 21.664+/-0.004 χ^2/NDF: 23324.0/27

All: 21.629+/-0.003 χ^2/NDF: 46582.8/57

- sign 21.595+/-0.004 χ^2/NDF: 23088.0/29



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 0.286+/-4.973 χ^2/NDF:4.9/11

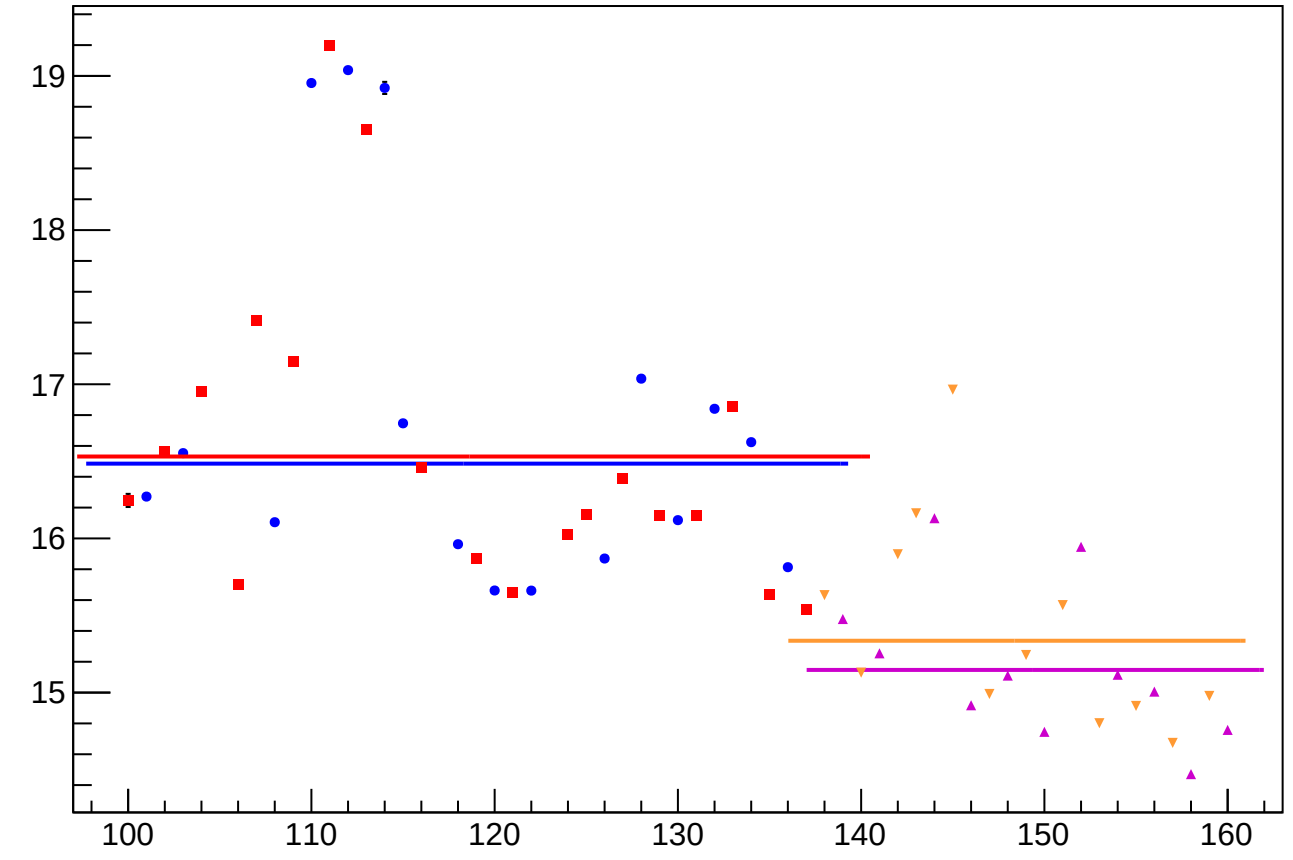
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 0.724+/-4.908 χ^2/NDF:9.3/10

+ sign 1.919+/-3.864 χ^2/NDF: 9.5/27

All: 0.715+/-2.713 χ^2/NDF: 34.5/57

- 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: 15.336+/-0.004 χ^2/NDF:30342.3/11

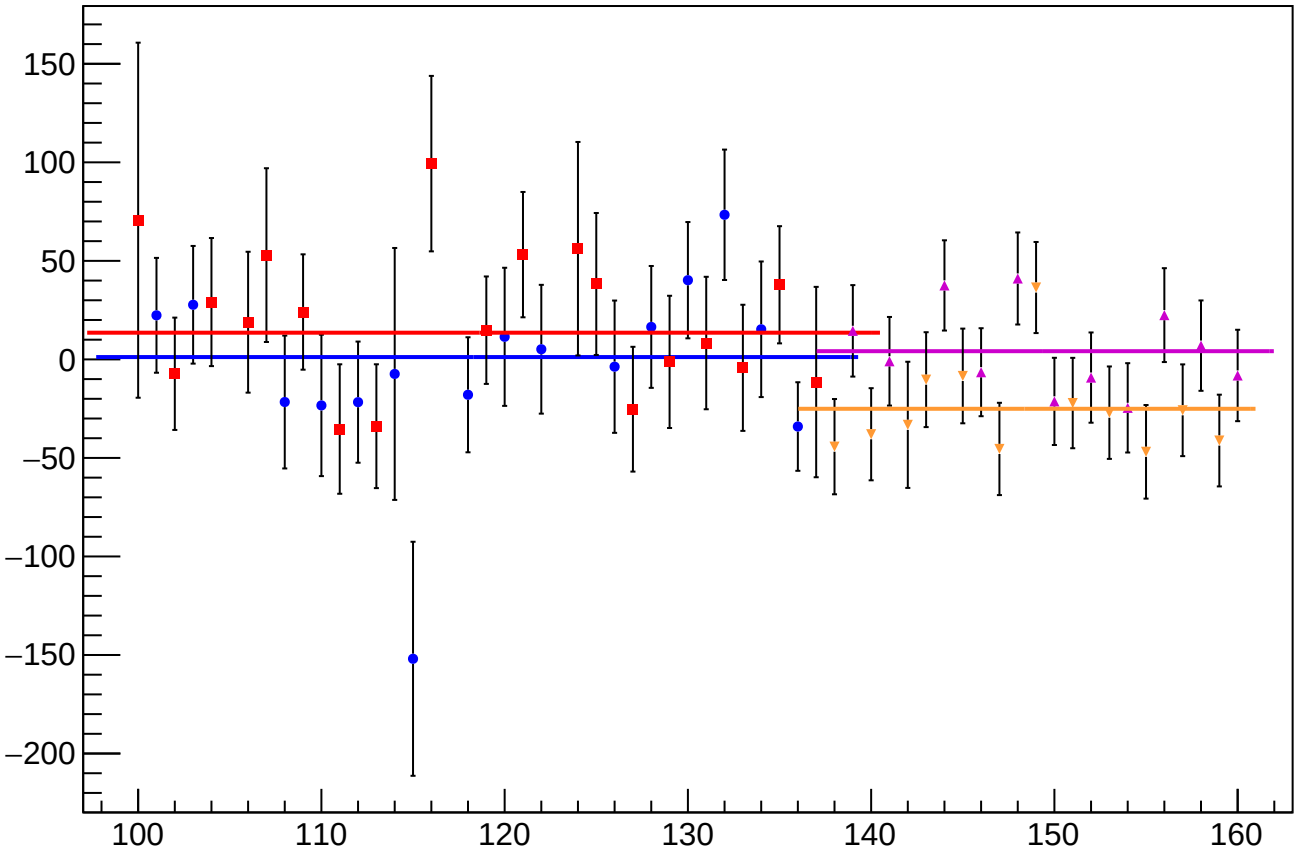
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.147+/-0.003 χ^2/NDF:18778.2/10

+ sign 15.792+/-0.003 χ^2/NDF: 119832.2/27

All: 15.744+/-0.002 χ^2/NDF: 248934.4/57

- 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: -25.063+/-6.925 χ^2/NDF:11.1/11

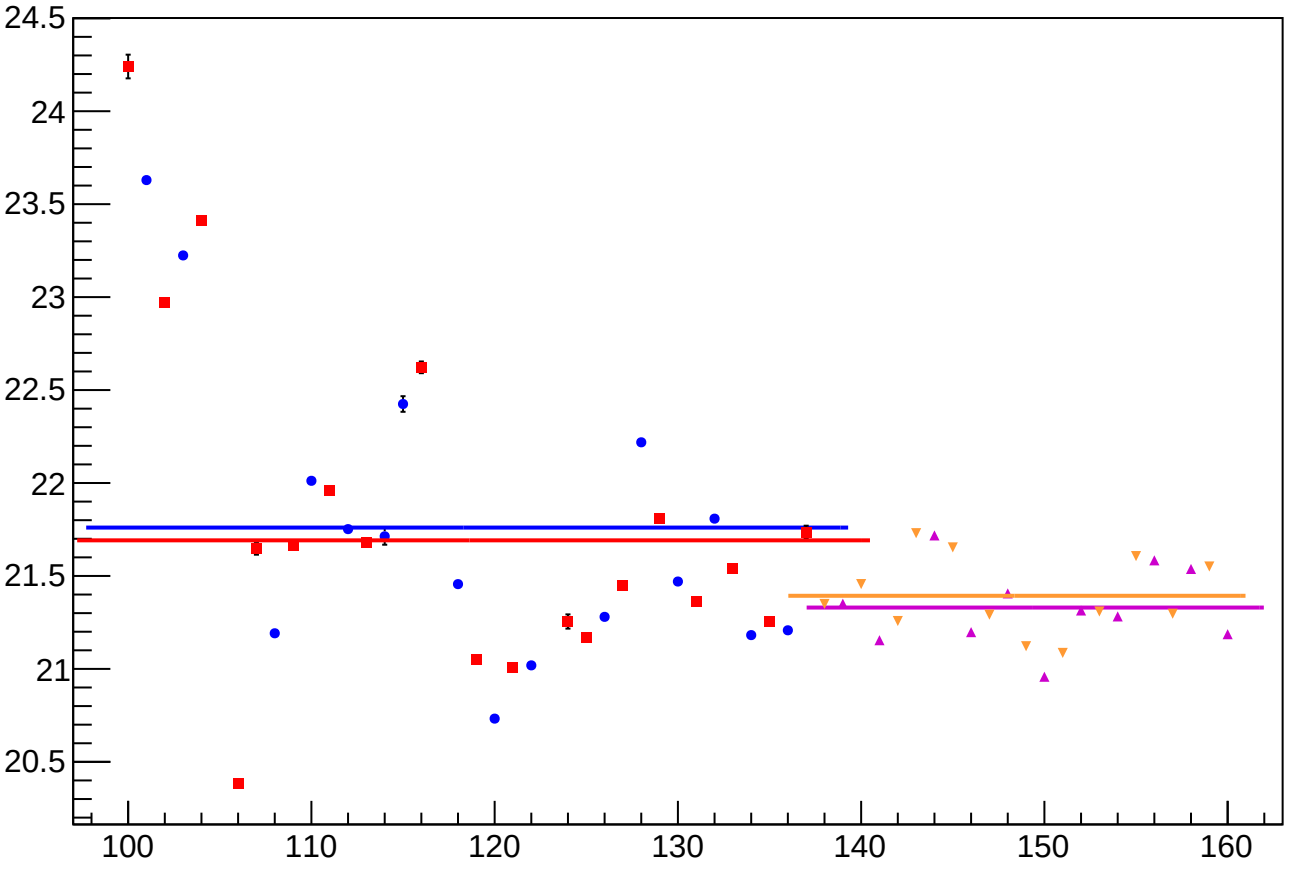
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 4.169+/-6.900 χ^2/NDF:9.3/10

\+ sign -13.960+/-5.260 χ^2/NDF: 36.5/27

All: -2.745+/-3.699 χ^2/NDF: 71.5/57

\- 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: 21.393+/-0.005 χ^2/NDF:1668.7/11

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

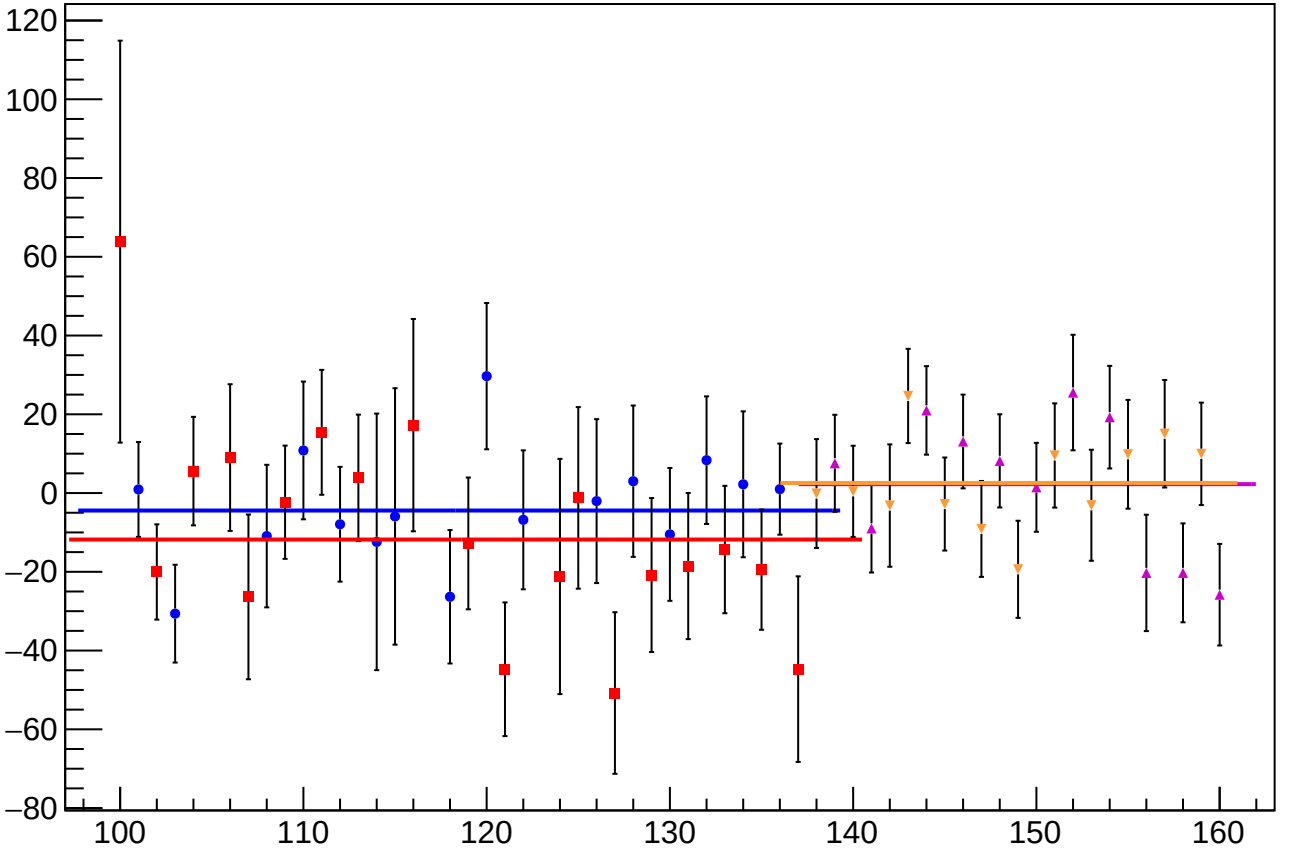
Left In: 21.330+/-0.005 χ^2/NDF:1832.9/10

\+ sign 21.549+/-0.004 χ^2/NDF: 23789.9/27

All: 21.517+/-0.003 χ^2/NDF: 46467.3/57

\- 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: 2.557+/-3.738 χ^2/NDF:9.8/11

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

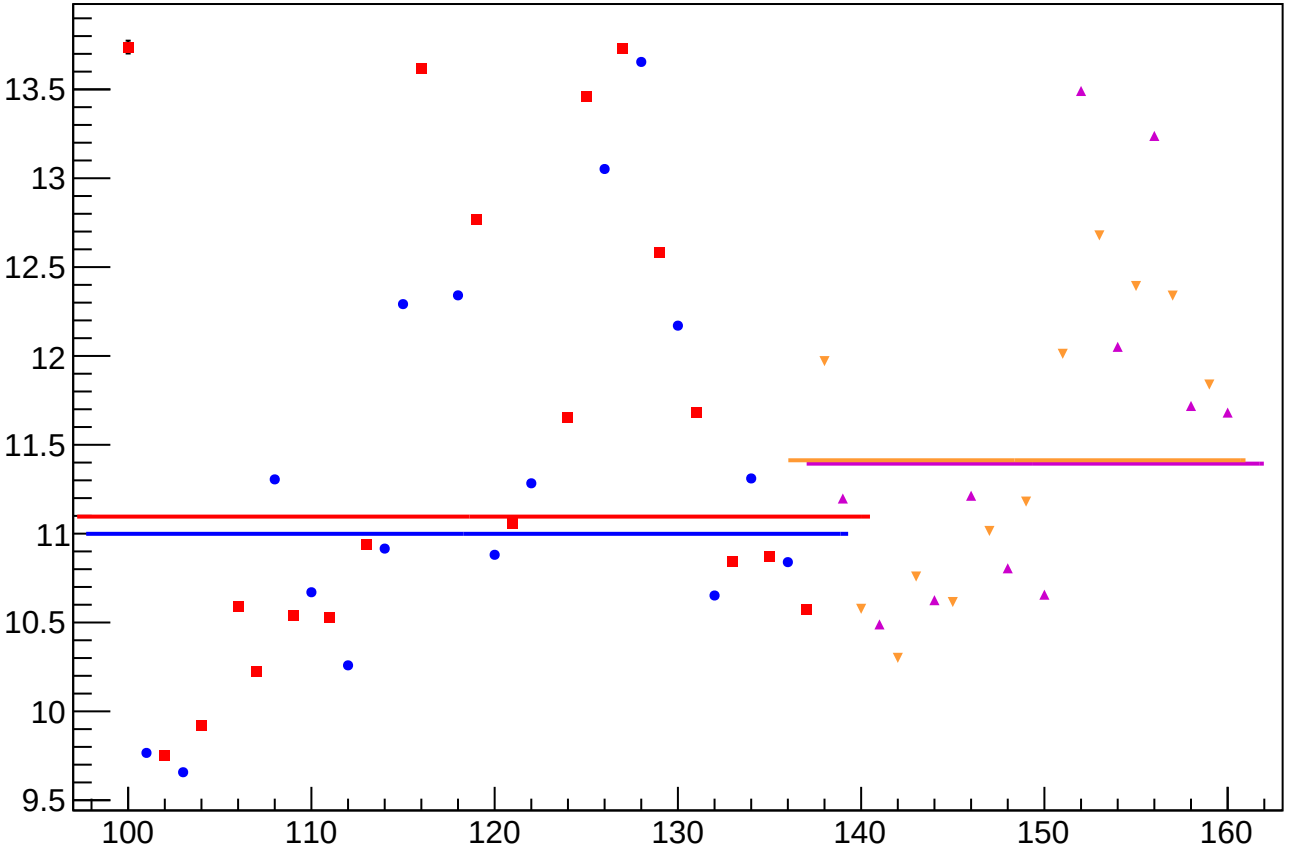
Left In: 2.256+/-3.727 χ^2/NDF:19.5/10

\+ sign -0.593+/-2.772 χ^2/NDF: 23.3/27

All: -2.361+/-1.955 χ^2/NDF: 71.9/57

\- 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: 11.413+/-0.003 χ^2/NDF:83526.5/11

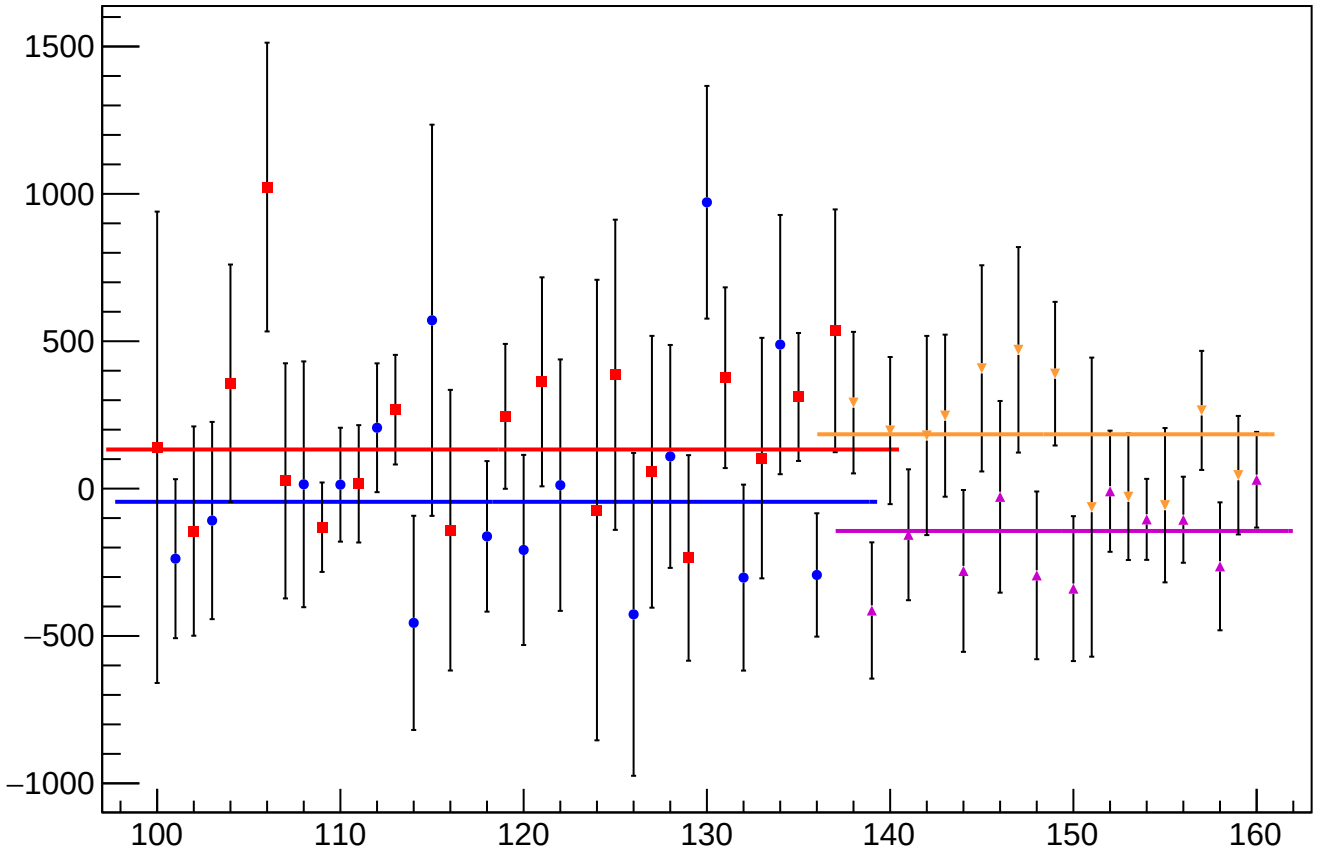
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.394+/-0.003 χ^2/NDF:116307.6/10

+ sign 11.227+/-0.002 χ^2/NDF: 230723.1/27

All: 11.243+/-0.001 χ^2/NDF: 515867.4/57

- 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: 184.307+/-74.947 χ^2/NDF:4.7/11

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

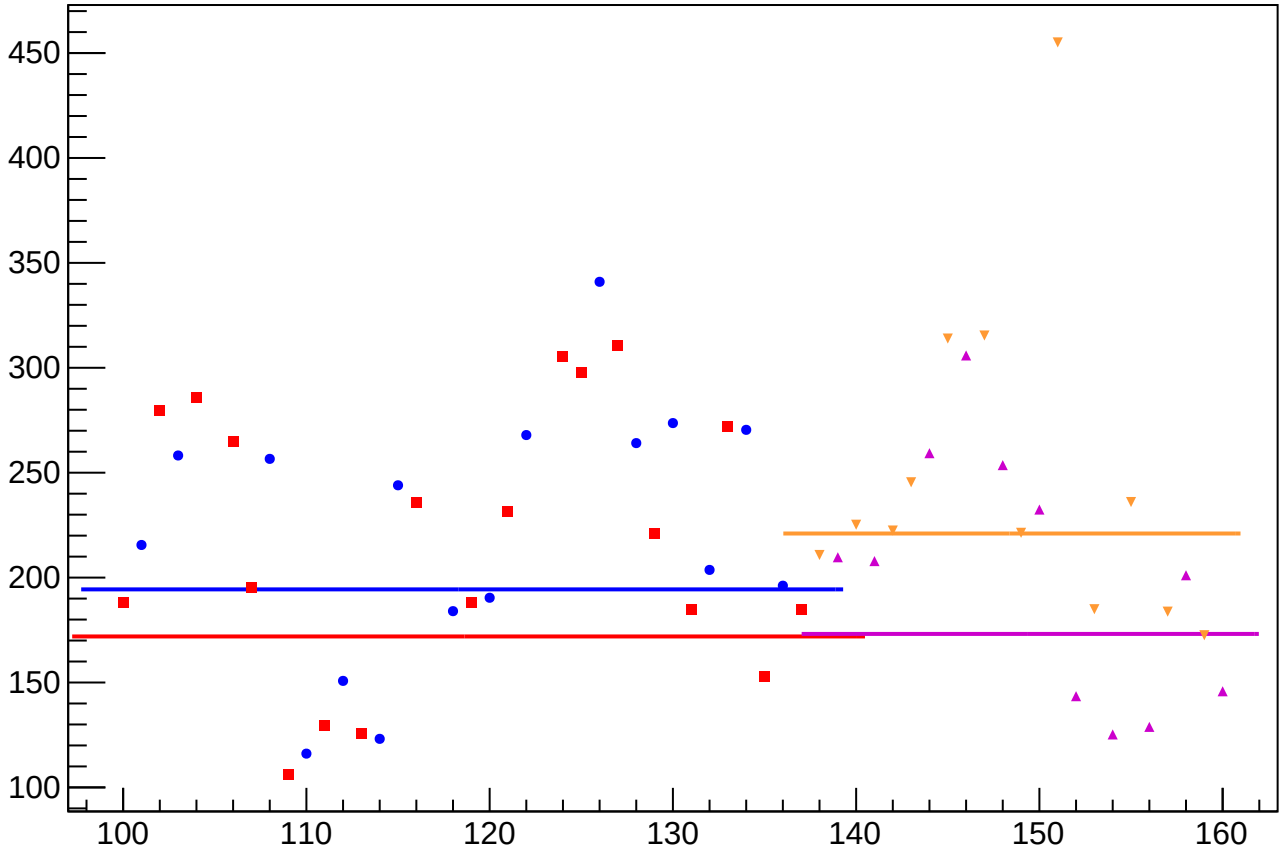
Left In: -143.717+/-60.490 χ^2/NDF:4.7/10

+ sign 71.989+/-53.510 χ^2/NDF: 24.8/27

All: 17.134+/-34.563 χ^2/NDF: 53.3/57

- 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: 221.014+/-0.053 χ^2/NDF:980544.1/11

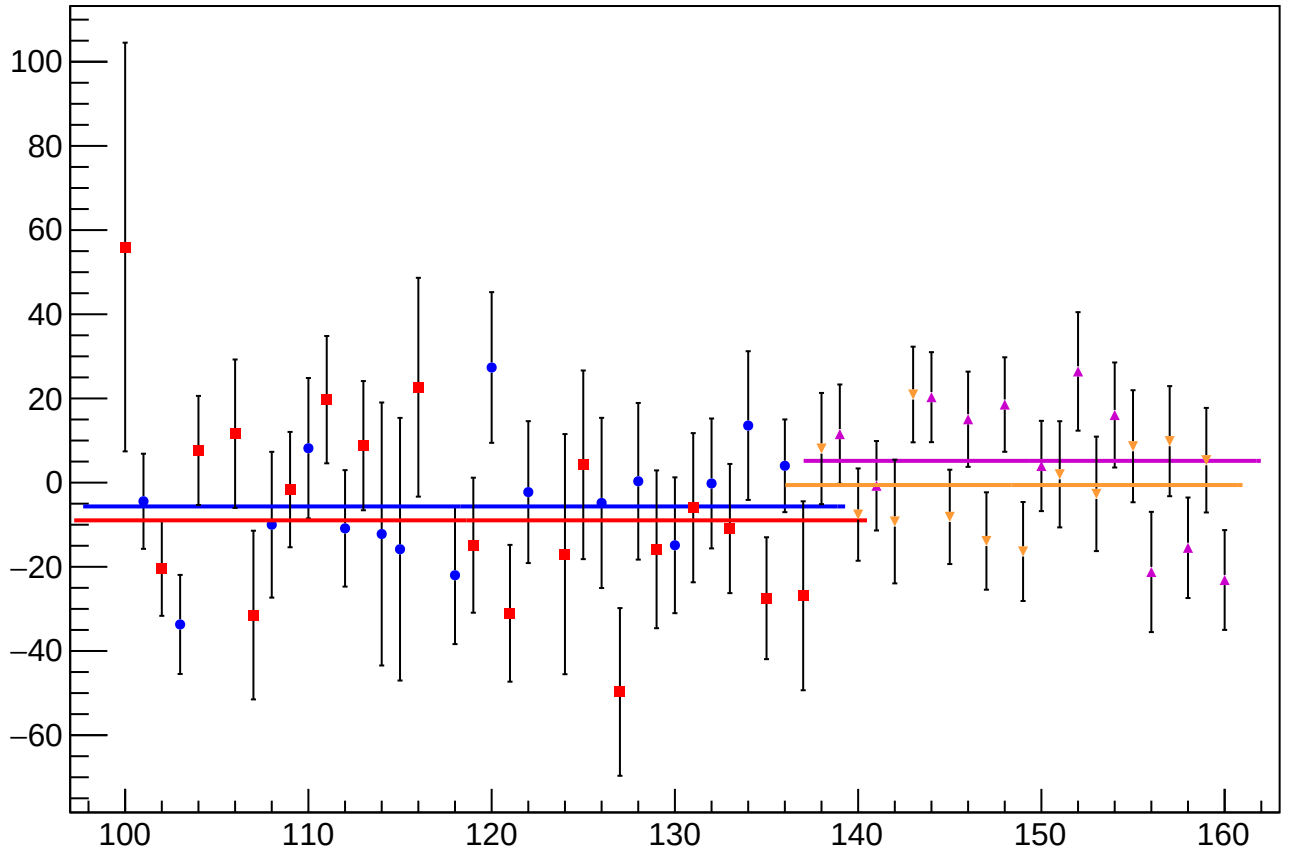
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 173.154+/-0.043 χ^2/NDF:1463686.9/10

+ sign 207.959+/-0.038 χ^2/NDF: 2146344.4/27

All: 187.366+/-0.024 χ^2/NDF: 5769987.6/57

- 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: -0.573+/-3.563 χ^2/NDF:9.8/11

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

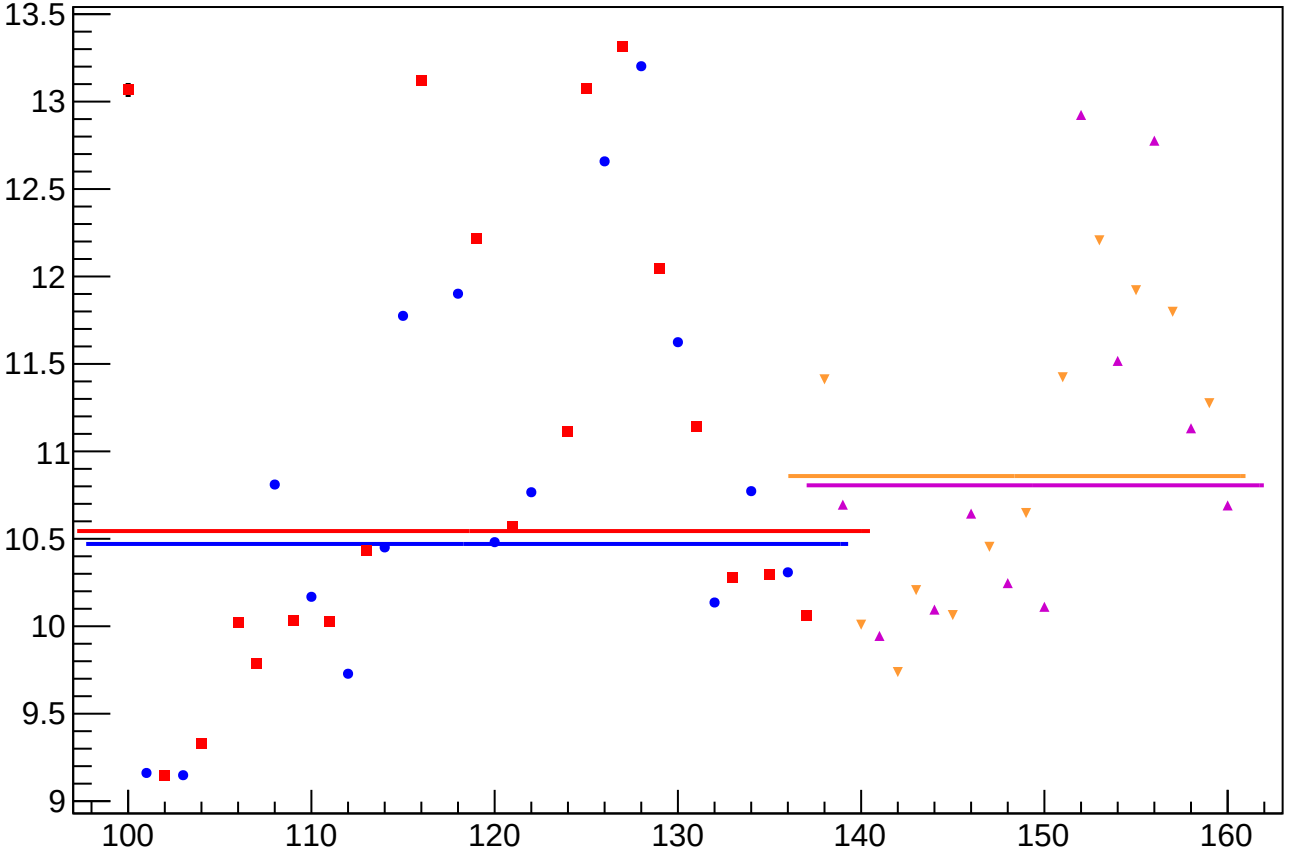
Left In: 5.174+/-3.541 χ^2/NDF:20.0/10

\+ sign -2.861+/-2.643 χ^2/NDF: 24.4/27

All: -2.030+/-1.861 χ^2/NDF: 74.5/57

\- sign -1.212+/-2.622 χ^2/NDF: 49.9/29

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.859+/-0.003 χ^2/NDF:95869.0/11

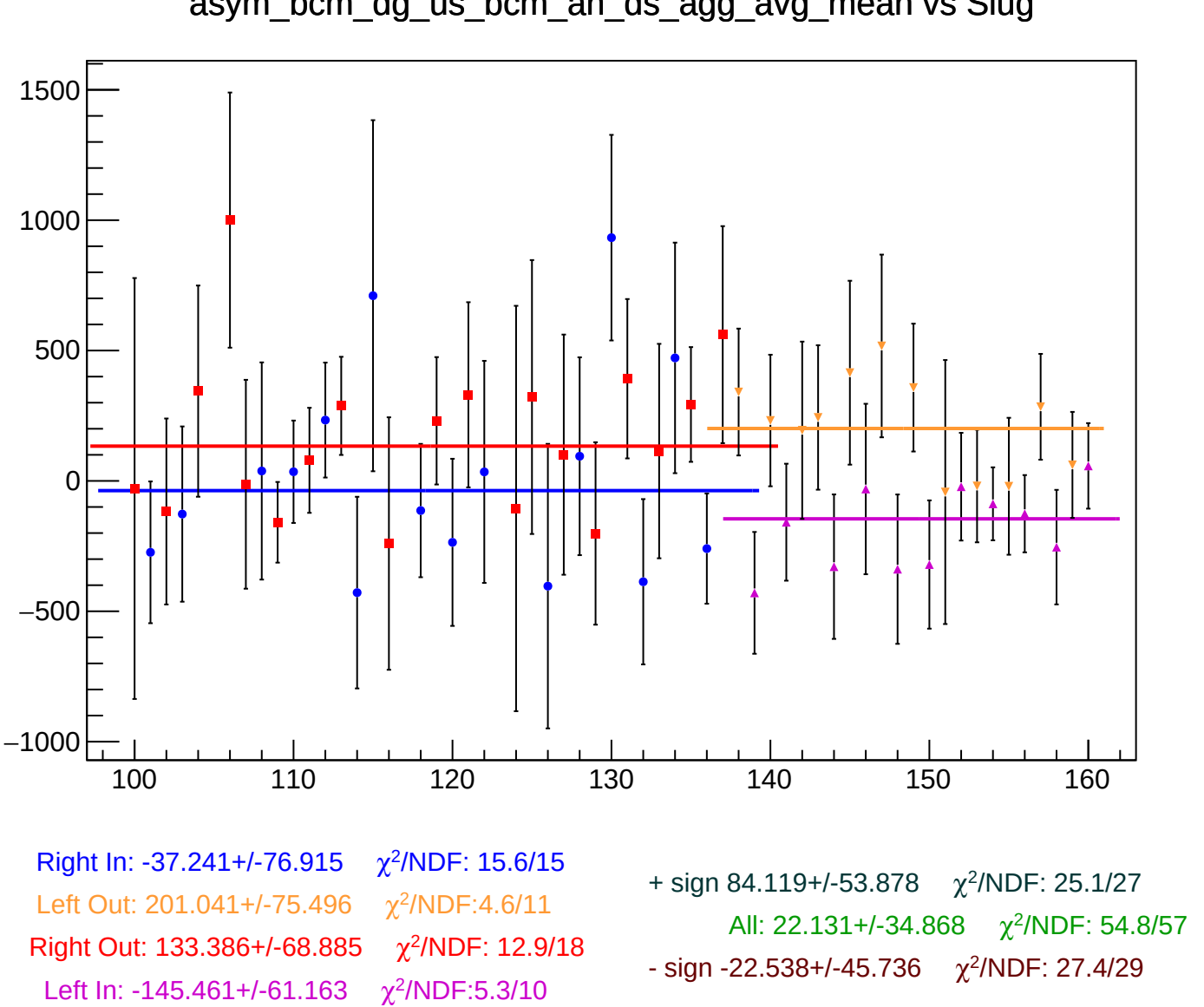
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

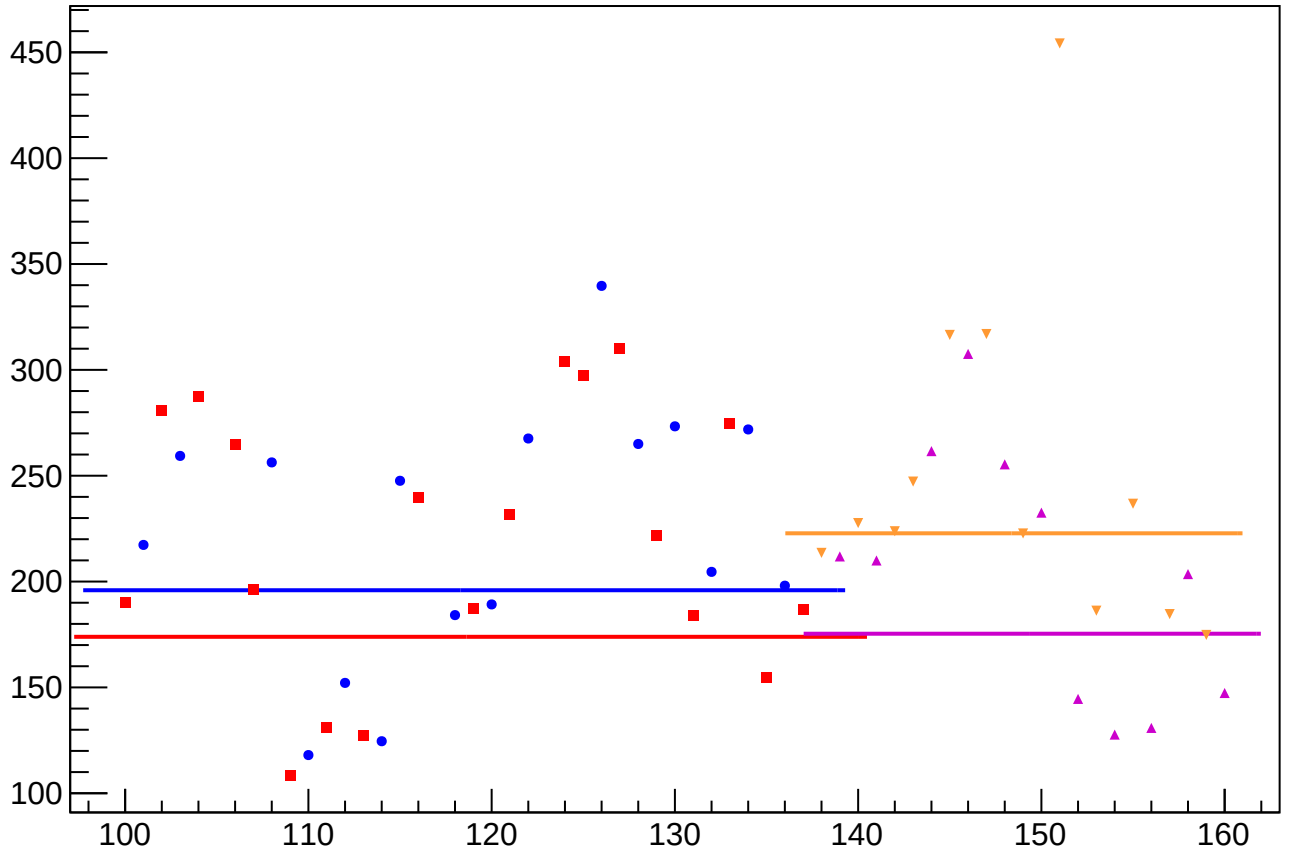
Left In: 10.806+/-0.003 χ^2/NDF:127415.1/10

+ sign 10.684+/-0.002 χ^2/NDF: 263920.6/27

All: 10.686+/-0.001 χ^2/NDF: 583046.4/57

- sign 10.688+/-0.002 χ^2/NDF: 319123.9/29


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
Right In: -37.241+/-76.915 χ²/NDF: 15.6/15
Left Out: 201.041+/-75.496 χ²/NDF:4.6/11
Right Out: 133.386+/-68.885 χ²/NDF: 12.9/18
Left In: -145.461+/-61.163 χ²/NDF:5.3/10
+ sign 84.119+/-53.878 χ²/NDF: 25.1/27
All: 22.131+/-34.868 χ²/NDF: 54.8/57
- sign -22.538+/-45.736 χ²/NDF: 27.4/29



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 222.796+/-0.053 χ^2/NDF:967878.9/11

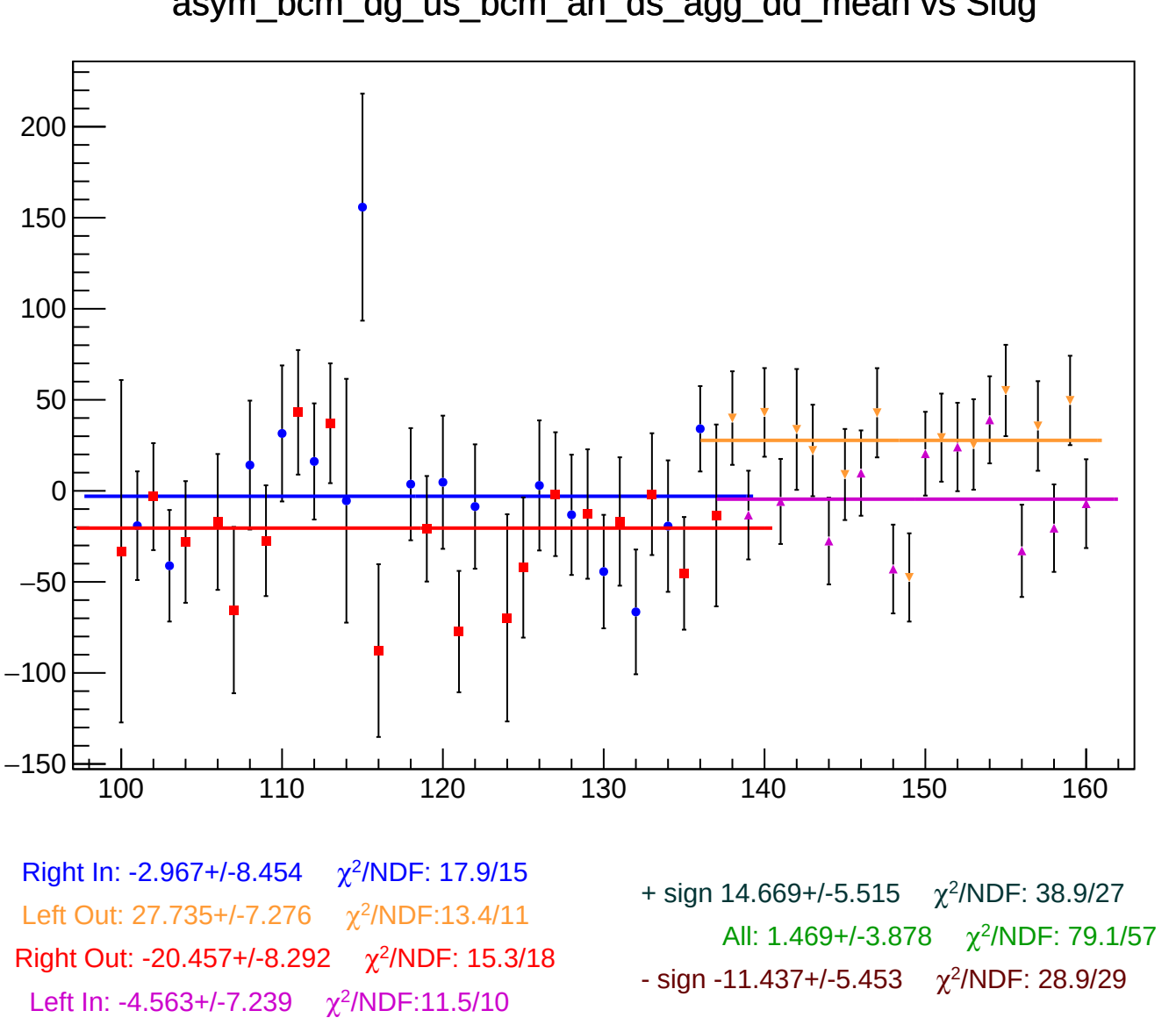
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

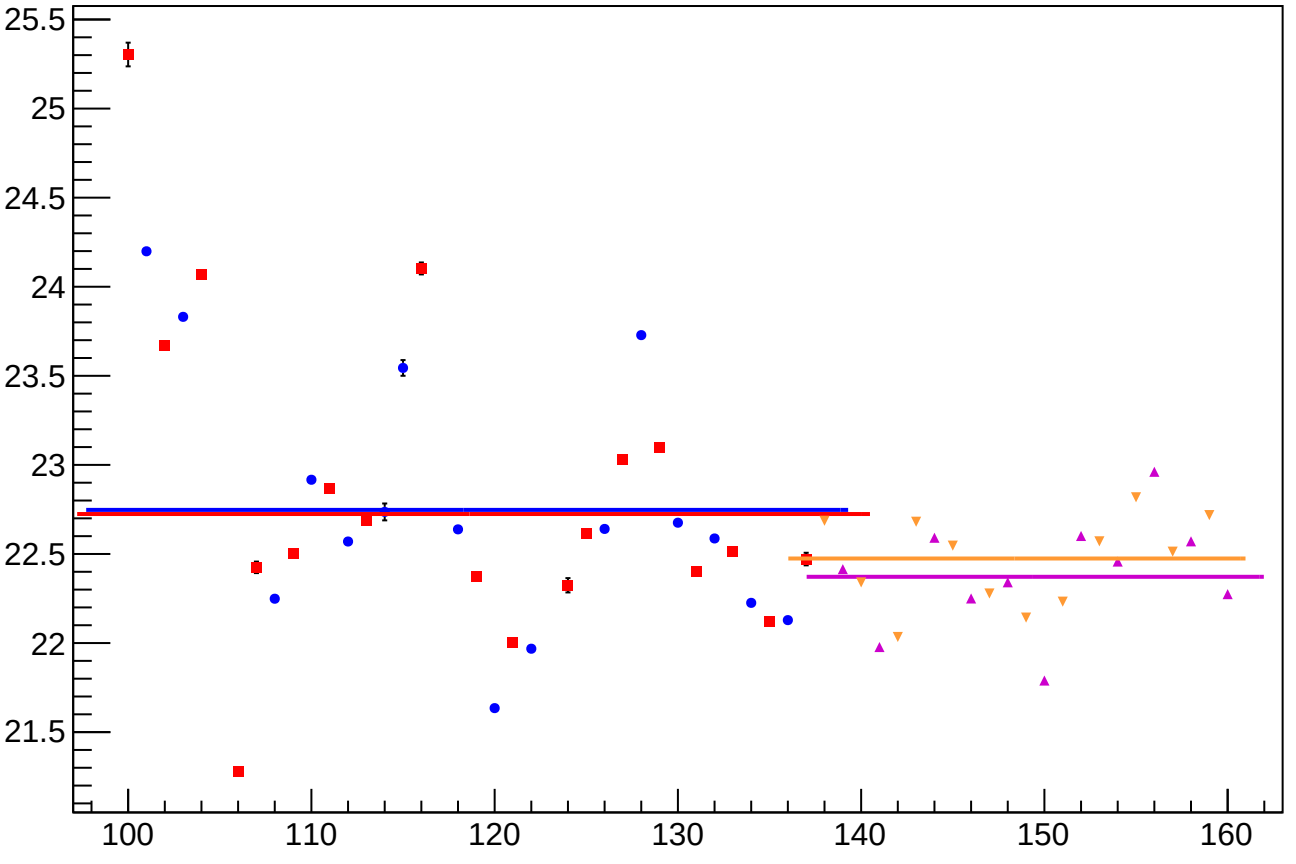
Left In: 175.360+/-0.043 χ^2/NDF:1429504.4/10

+ sign 209.598+/-0.038 χ^2/NDF: 2103450.9/27

All: 189.325+/-0.025 χ^2/NDF: 5620267.0/57

- sign 174.717+/-0.032 χ^2/NDF: 3029613.7/29


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug
200
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
Right In: -2.967+/-8.454 χ²/NDF: 17.9/15
Left Out: 27.735+/-7.276 χ²/NDF:13.4/11
Right Out: -20.457+/-8.292 χ²/NDF: 15.3/18
Left In: -4.563+/-7.239 χ²/NDF:11.5/10
+ sign 14.669+/-5.515 χ²/NDF: 38.9/27
All: 1.469+/-3.878 χ²/NDF: 79.1/57
- sign -11.437+/-5.453 χ²/NDF: 28.9/29



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.475+/-0.005 χ^2/NDF:2011.1/11

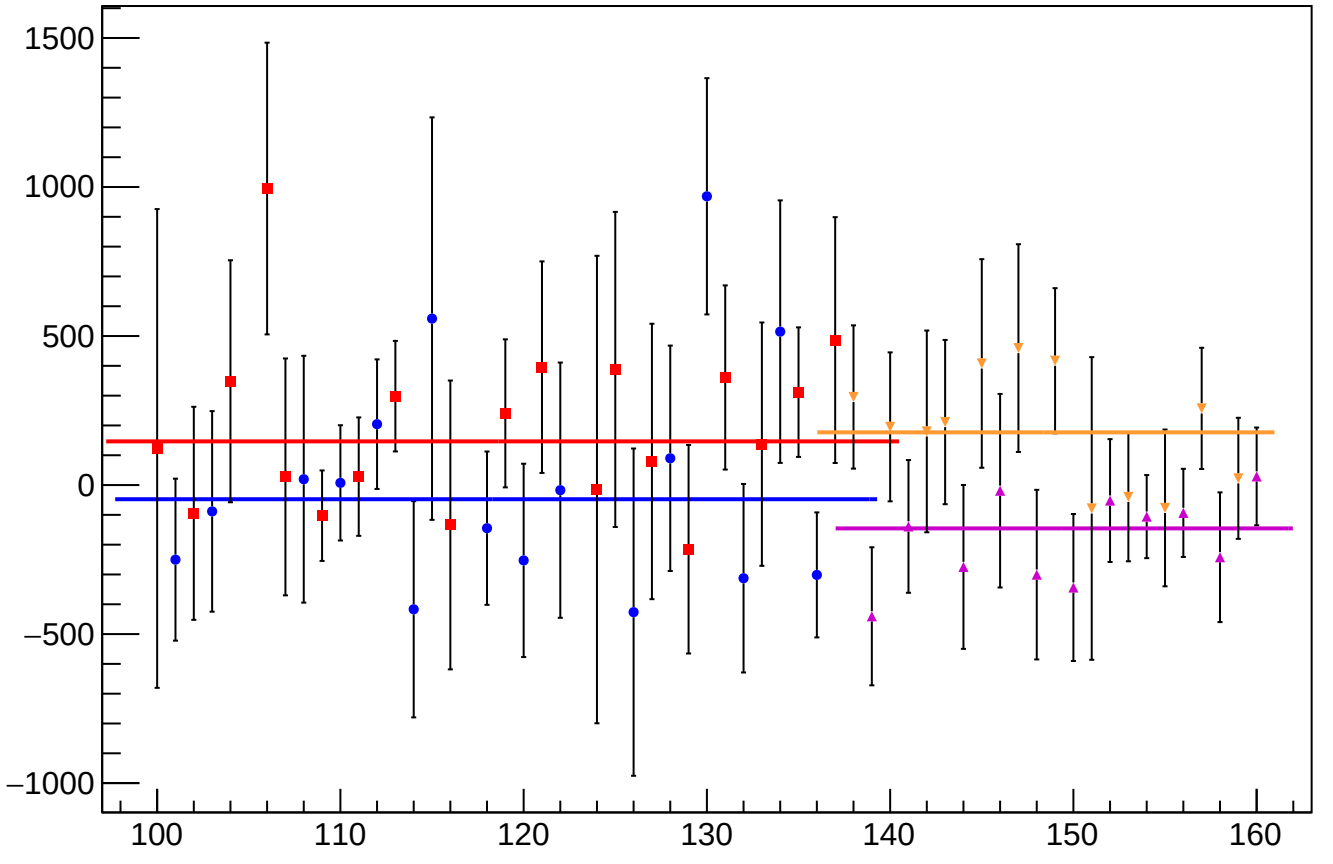
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.372+/-0.005 χ^2/NDF:3538.5/10

+ sign 22.591+/-0.004 χ^2/NDF: 17831.0/27

All: 22.557+/-0.003 χ^2/NDF: 38056.2/57

- sign 22.524+/-0.004 χ^2/NDF: 20078.5/29



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 176.871+/-75.236 χ^2/NDF:5.3/11

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

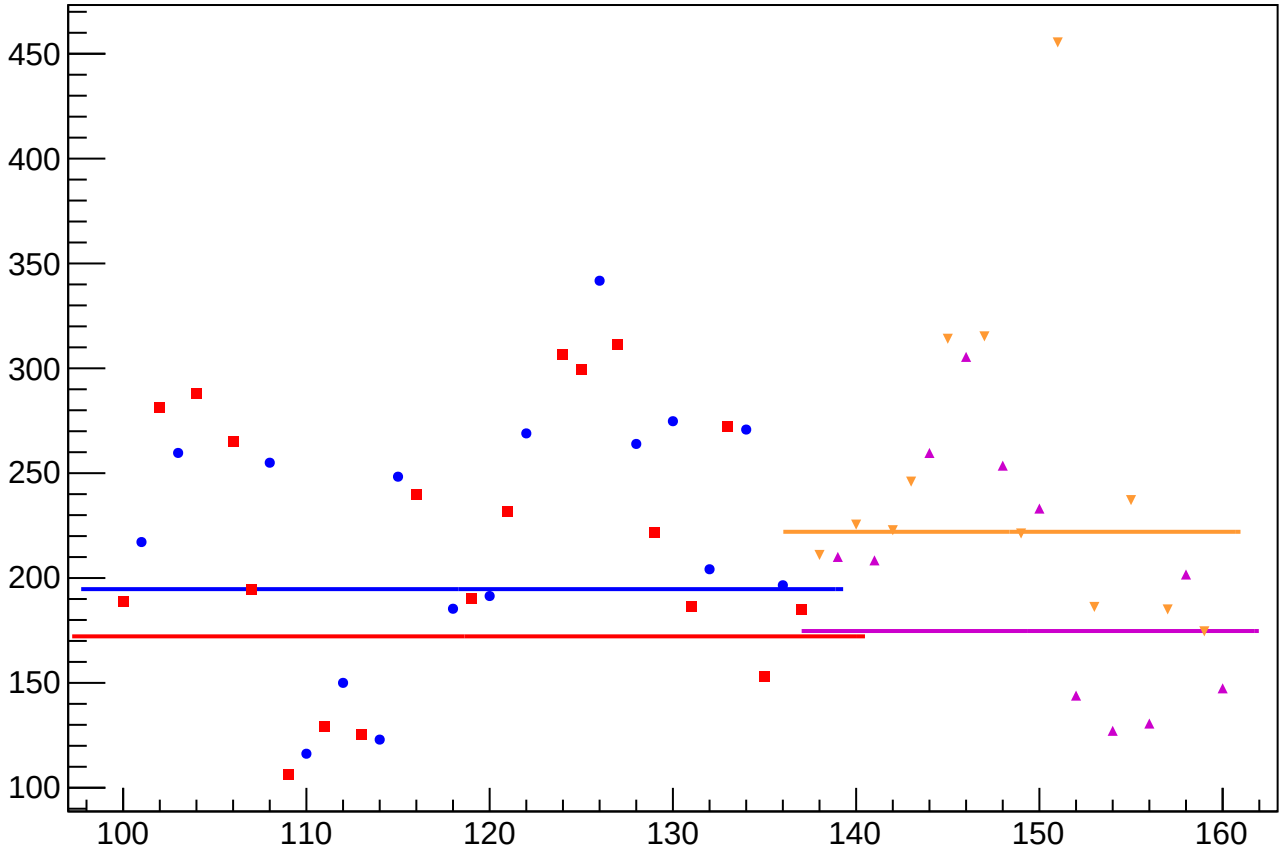
Left In: -145.416+/-60.937 χ^2/NDF:4.7/10

+ sign 66.648+/-53.666 χ^2/NDF: 25.0/27

All: 18.442+/-34.705 χ^2/NDF: 52.8/57

- 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: 222.048+/-0.053 χ^2/NDF:960698.5/11

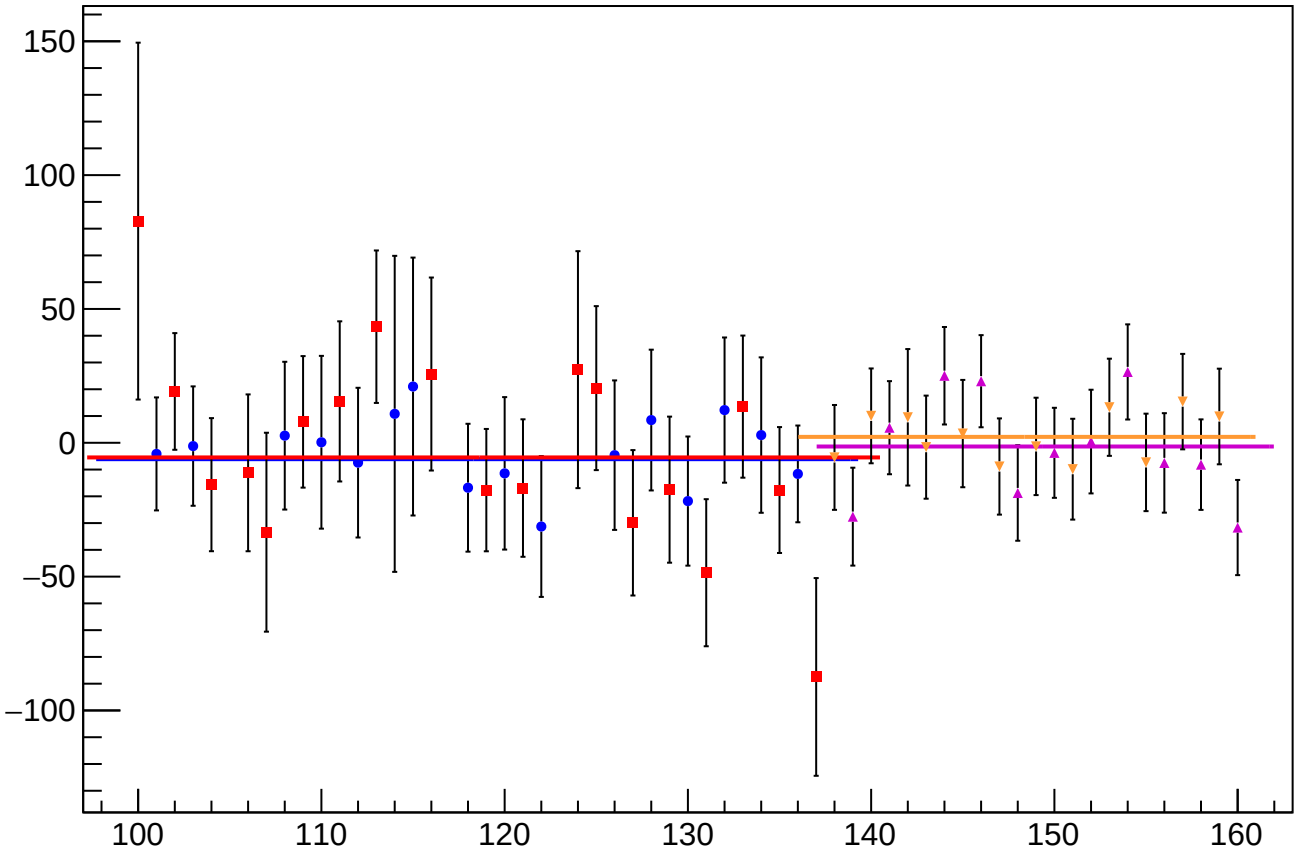
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 174.734+/-0.043 χ^2/NDF:1414745.1/10

+ sign 208.619+/-0.038 χ^2/NDF: 2142719.7/27

All: 188.249+/-0.025 χ^2/NDF: 5725356.8/57

- 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: 2.210+/-5.441 χ^2/NDF:2.7/11

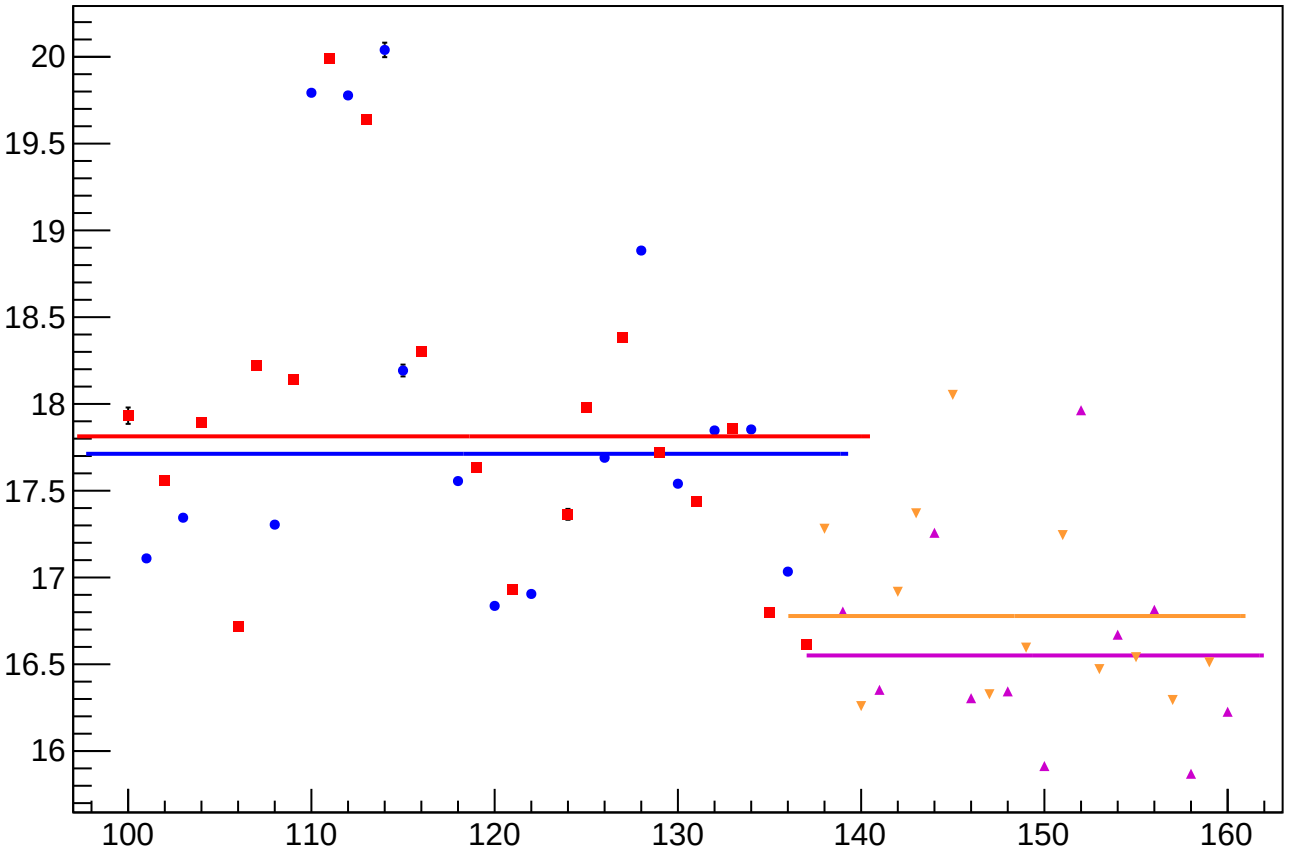
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -1.389+/-5.365 χ^2/NDF:12.9/10

+ sign -1.165+/-4.196 χ^2/NDF: 6.8/27

All: -2.115+/-2.947 χ^2/NDF: 39.2/57

- 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: 16.778+/-0.004 χ^2/NDF:18572.7/11

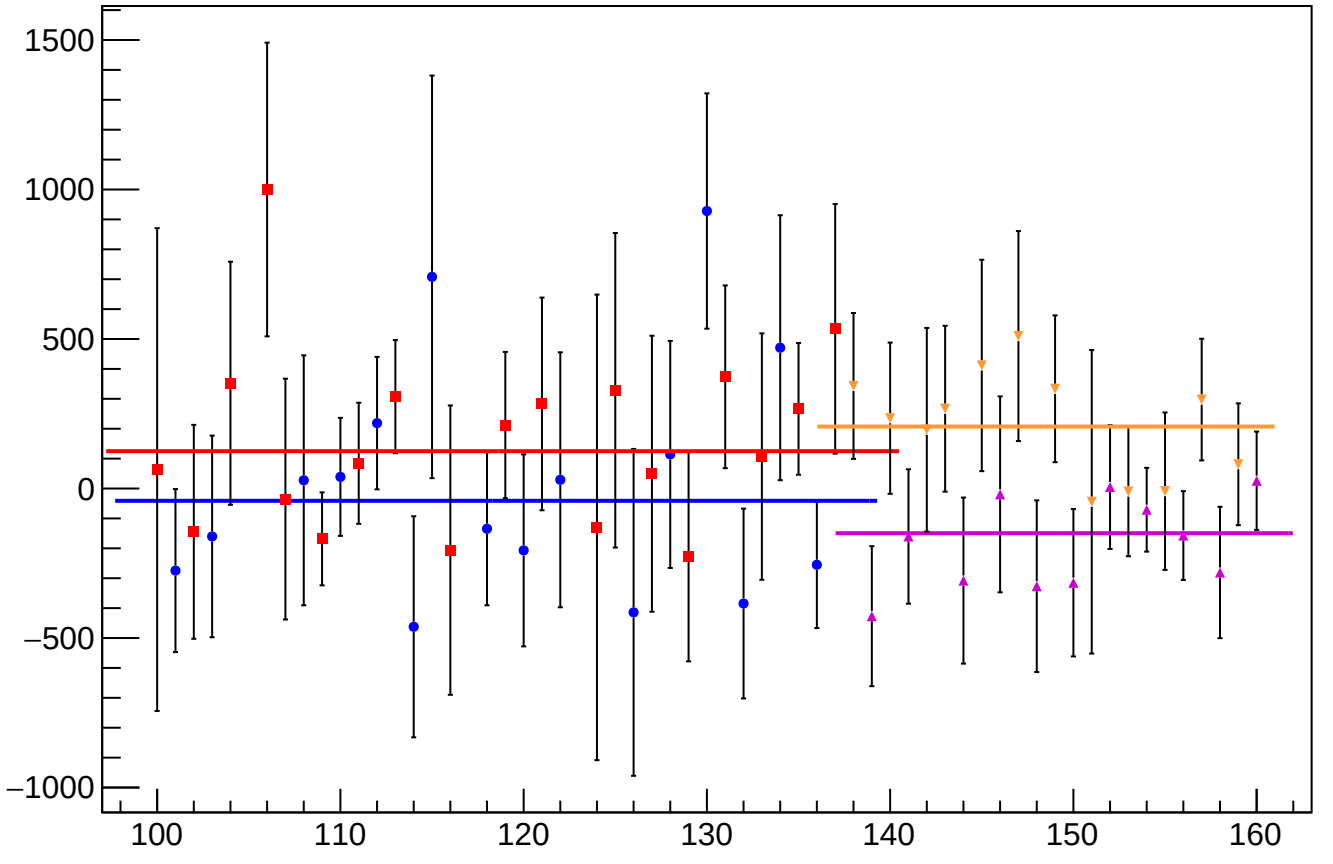
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.551+/-0.004 χ^2/NDF:22254.9/10

+ sign 17.157+/-0.003 χ^2/NDF: 78470.2/27

All: 17.108+/-0.002 χ^2/NDF: 178767.0/57

- 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: 207.252+/-75.668 χ^2/NDF:4.2/11

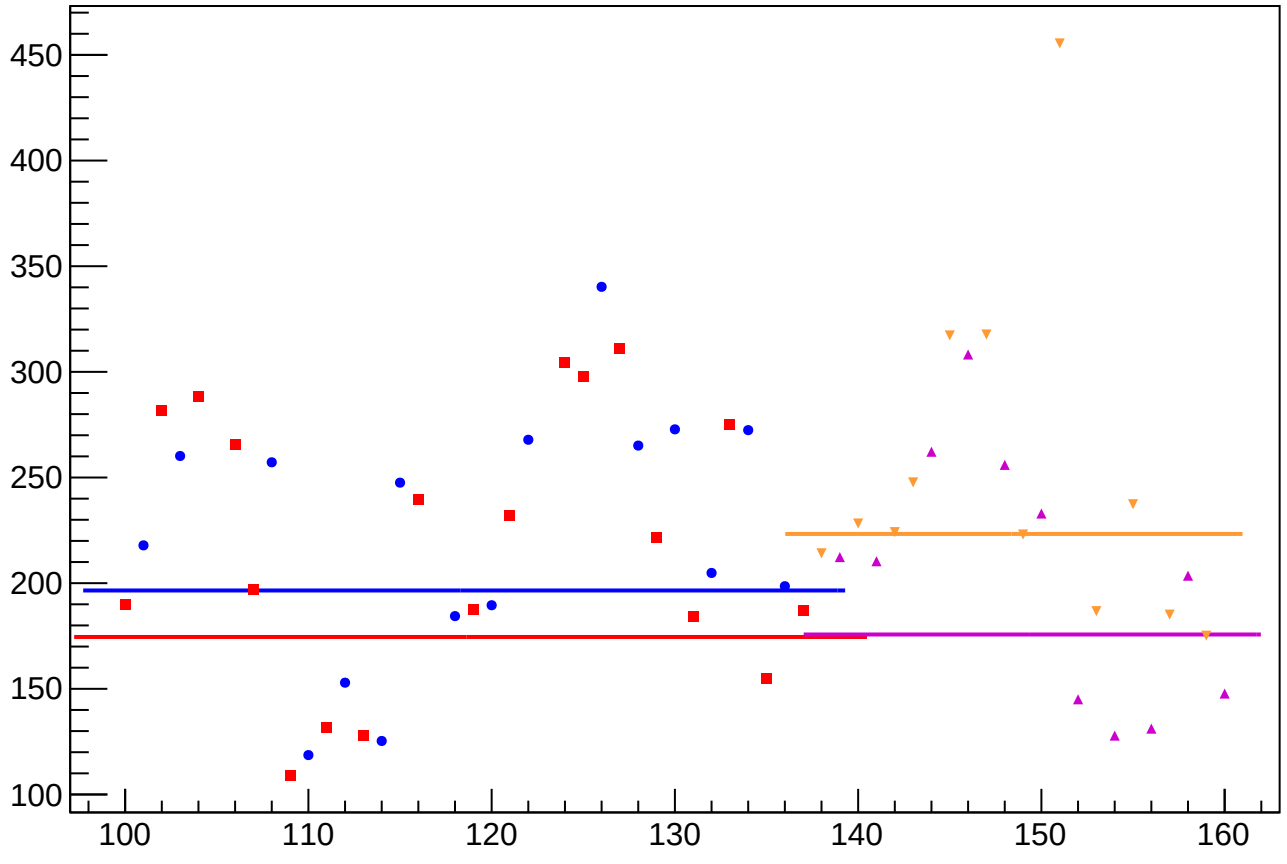
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -149.392+/-61.286 χ^2/NDF:5.1/10

+ sign 85.459+/-54.018 χ^2/NDF: 25.1/27

All: 19.135+/-34.957 χ^2/NDF: 54.5/57

- sign -28.655+/-45.853 χ^2/NDF: 26.8/29



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 223.303+/-0.054 χ^2/NDF:967984.0/11

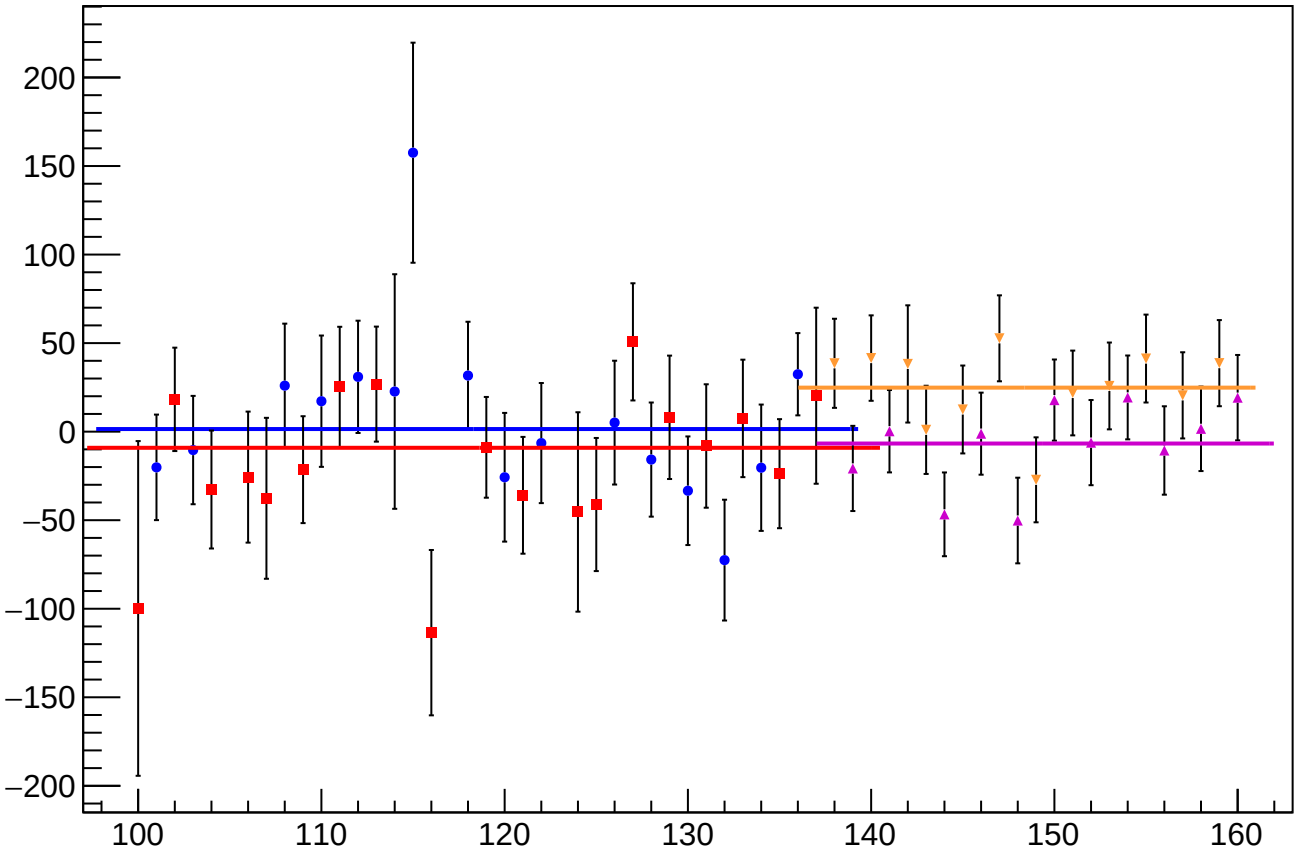
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 175.711+/-0.043 χ^2/NDF:1429232.4/10

+ sign 210.180+/-0.038 χ^2/NDF: 2091422.3/27

All: 189.847+/-0.025 χ^2/NDF: 5597279.6/57

- 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: 24.856+/-7.199 χ^2/NDF:8.9/11

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

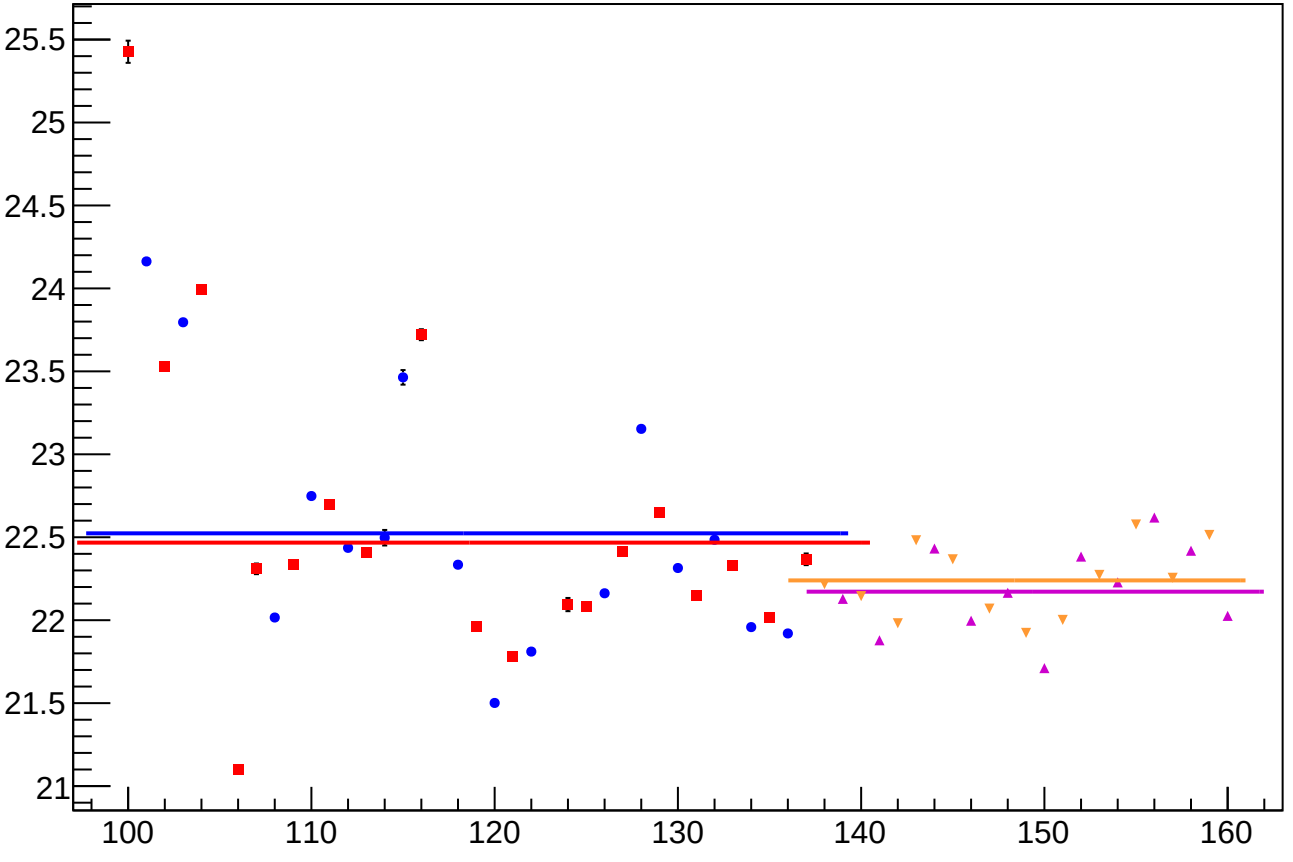
Left In: -6.707+/-7.173 χ^2/NDF:10.2/10

+ sign 14.914+/-5.458 χ^2/NDF: 32.1/27

All: 3.457+/-3.838 χ^2/NDF: 67.6/57

- 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: 22.240+/-0.005 χ^2/NDF:1666.8/11

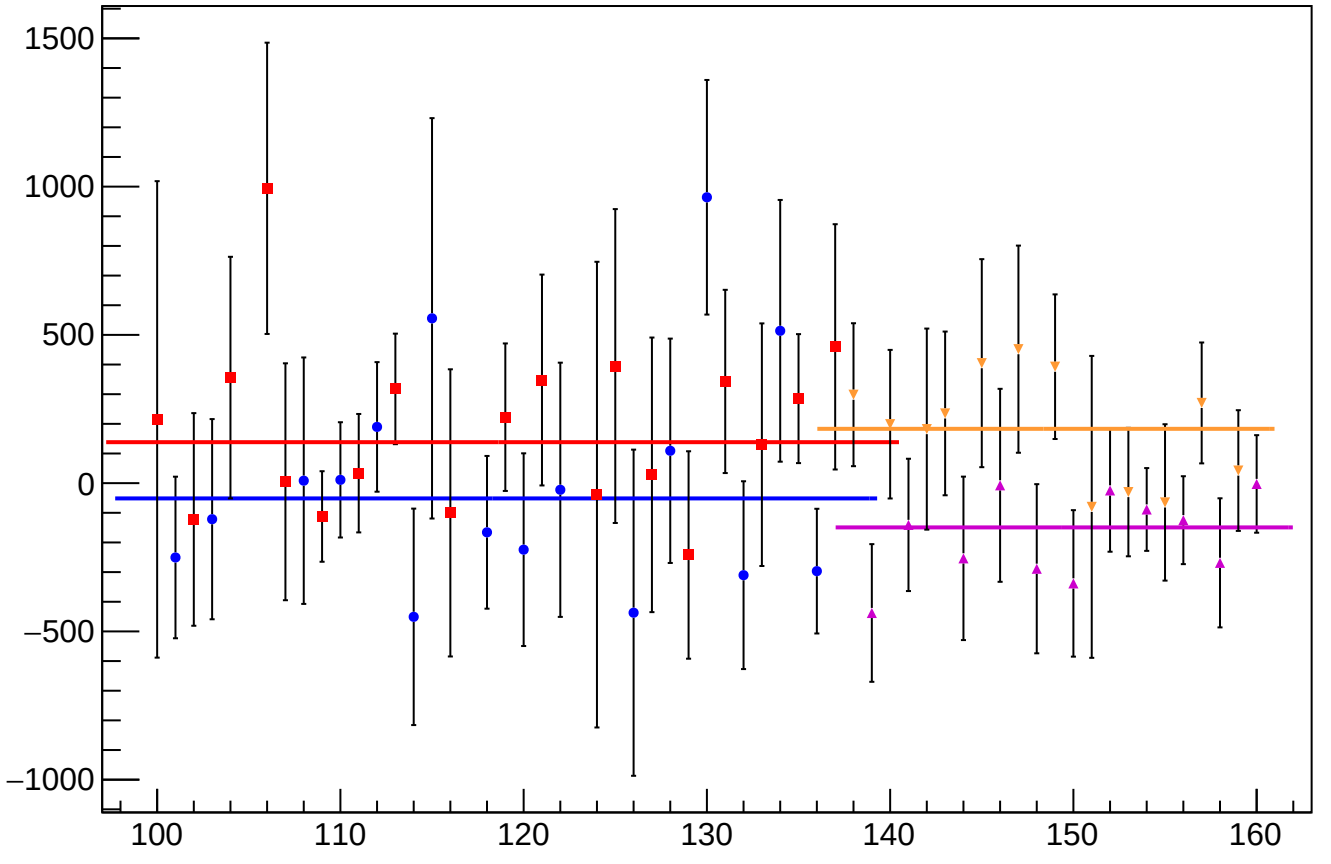
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.172+/-0.005 χ^2/NDF:2582.5/10

\+ sign 22.360+/-0.004 χ^2/NDF: 18935.4/27

All: 22.330+/-0.003 χ^2/NDF: 38741.8/57

\- 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: 183.209+/-75.408 χ^2/NDF:4.8/11

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

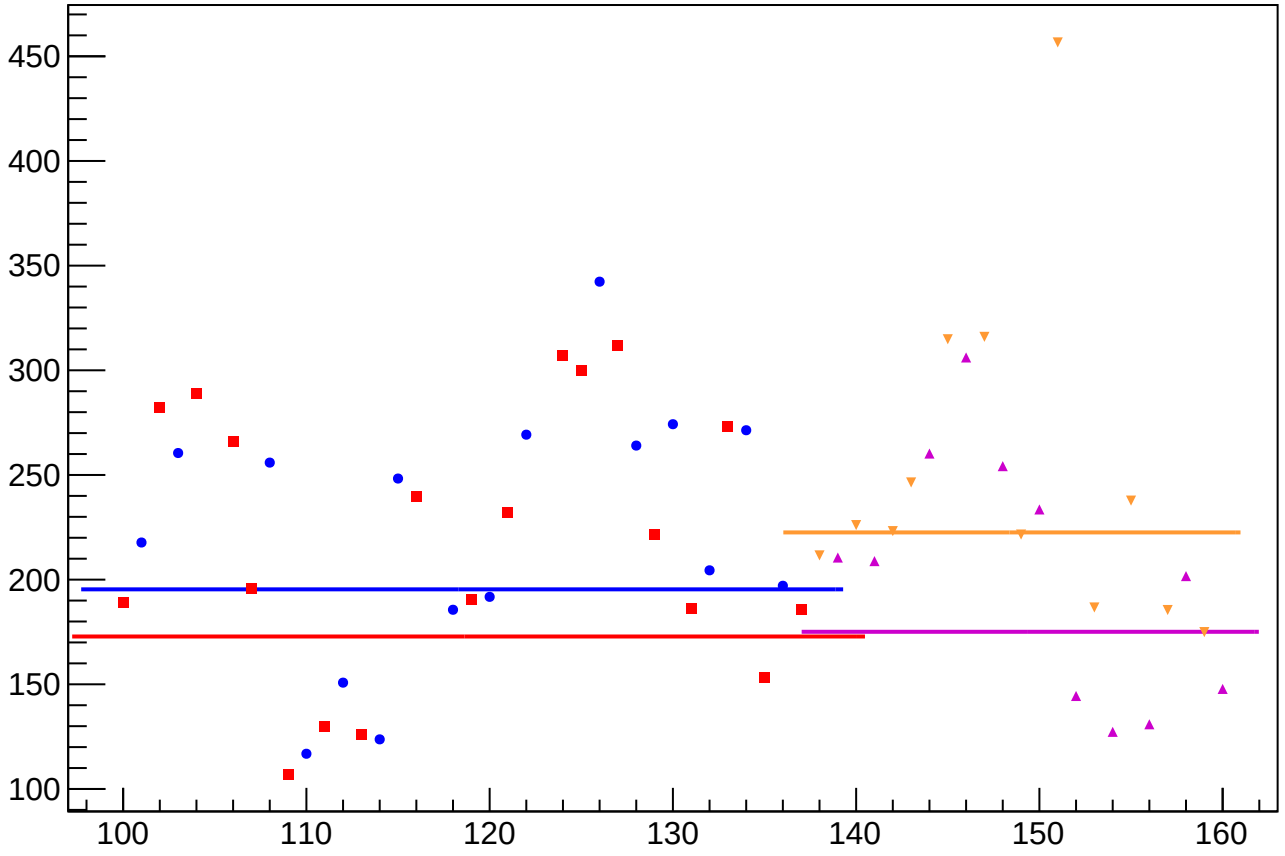
Left In: -149.251+/-61.060 χ^2/NDF:4.4/10

+ sign 68.001+/-53.806 χ^2/NDF: 24.9/27

All: 15.496+/-34.795 χ^2/NDF: 52.3/57

- 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: 222.555+/-0.053 χ^2/NDF:960831.7/11

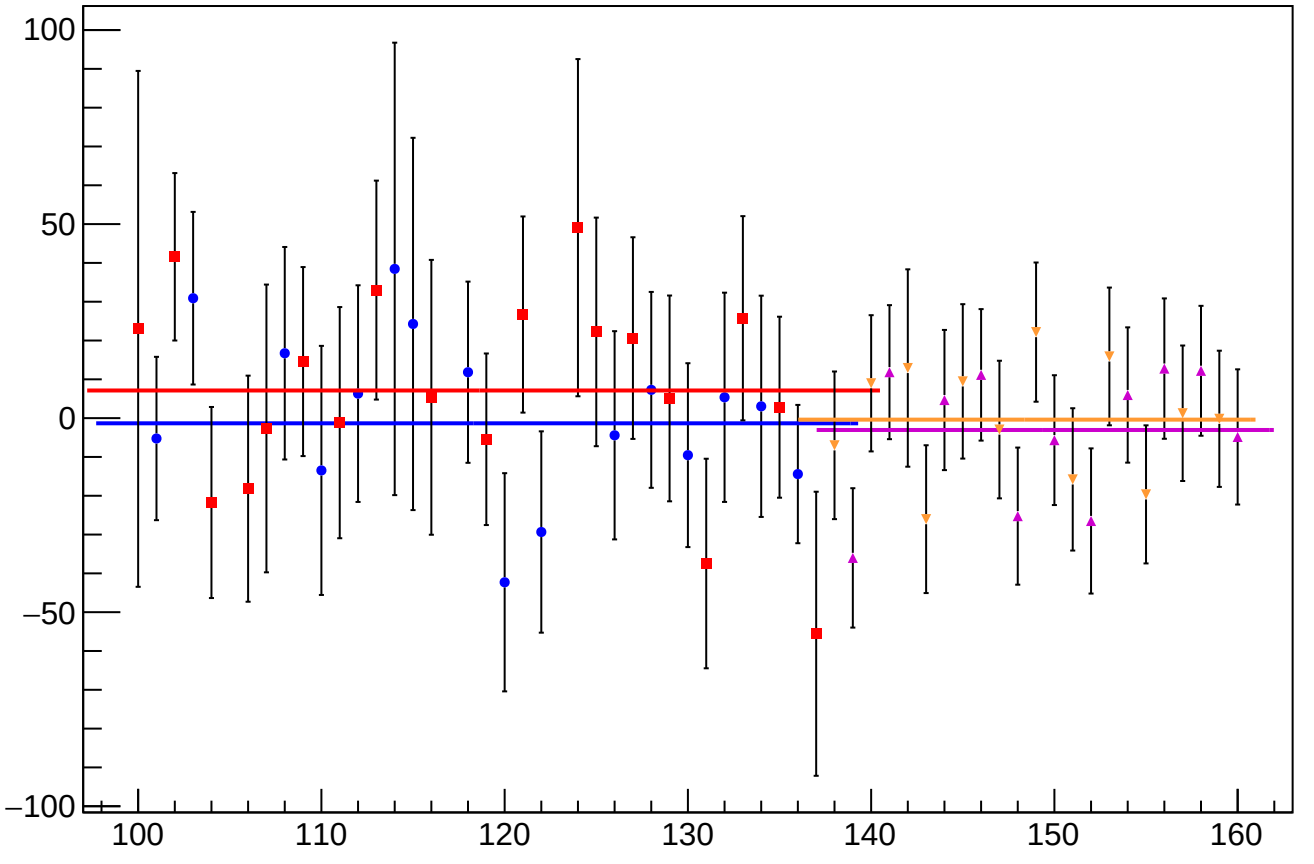
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 175.084+/-0.043 χ^2/NDF:1414613.9/10

+ sign 209.206+/-0.038 χ^2/NDF: 2129939.7/27

All: 188.776+/-0.025 χ^2/NDF: 5700791.1/57

- 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: -0.386+/-5.348 χ^2/NDF:7.1/11

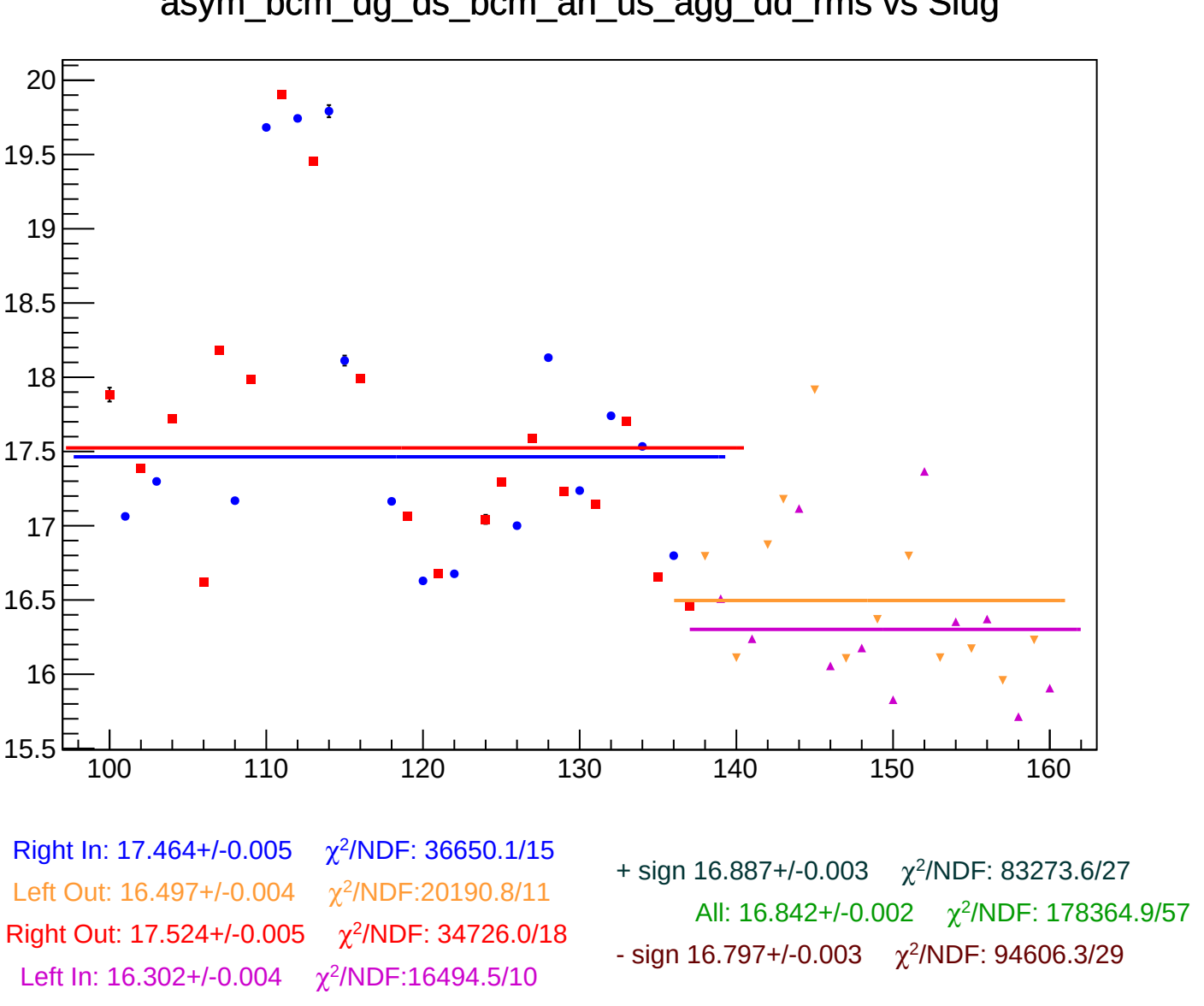
Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

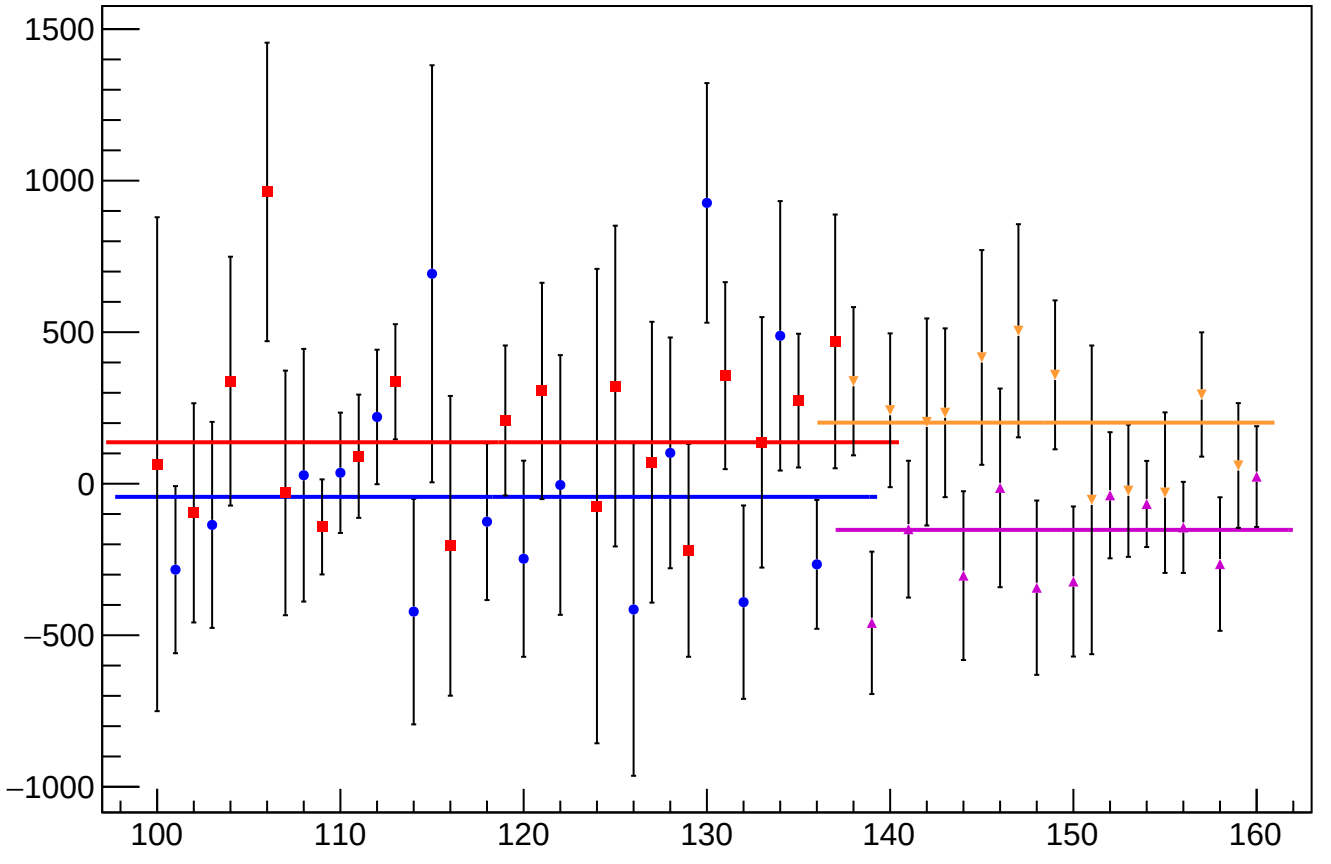
Left In: -3.052+/-5.281 χ^2/NDF:10.0/10

+ sign -0.767+/-4.129 χ^2/NDF: 15.1/27

All: 0.164+/-2.900 χ^2/NDF: 41.2/57

- sign 1.070+/-4.074 χ^2/NDF: 26.0/29


asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug
20
19.5
19
18.5
18
17.5
17
16.5
16
15.5
100
110
120
130
140
150
160
Right In: 17.464+/-0.005 χ²/NDF: 36650.1/15
Left Out: 16.497+/-0.004 χ²/NDF:20190.8/11
Right Out: 17.524+/-0.005 χ²/NDF: 34726.0/18
Left In: 16.302+/-0.004 χ²/NDF:16494.5/10
+ sign 16.887+/-0.003 χ²/NDF: 83273.6/27
All: 16.842+/-0.002 χ²/NDF: 178364.9/57
- sign 16.797+/-0.003 χ²/NDF: 94606.3/29



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 201.601+/-76.063 χ^2/NDF:4.6/11

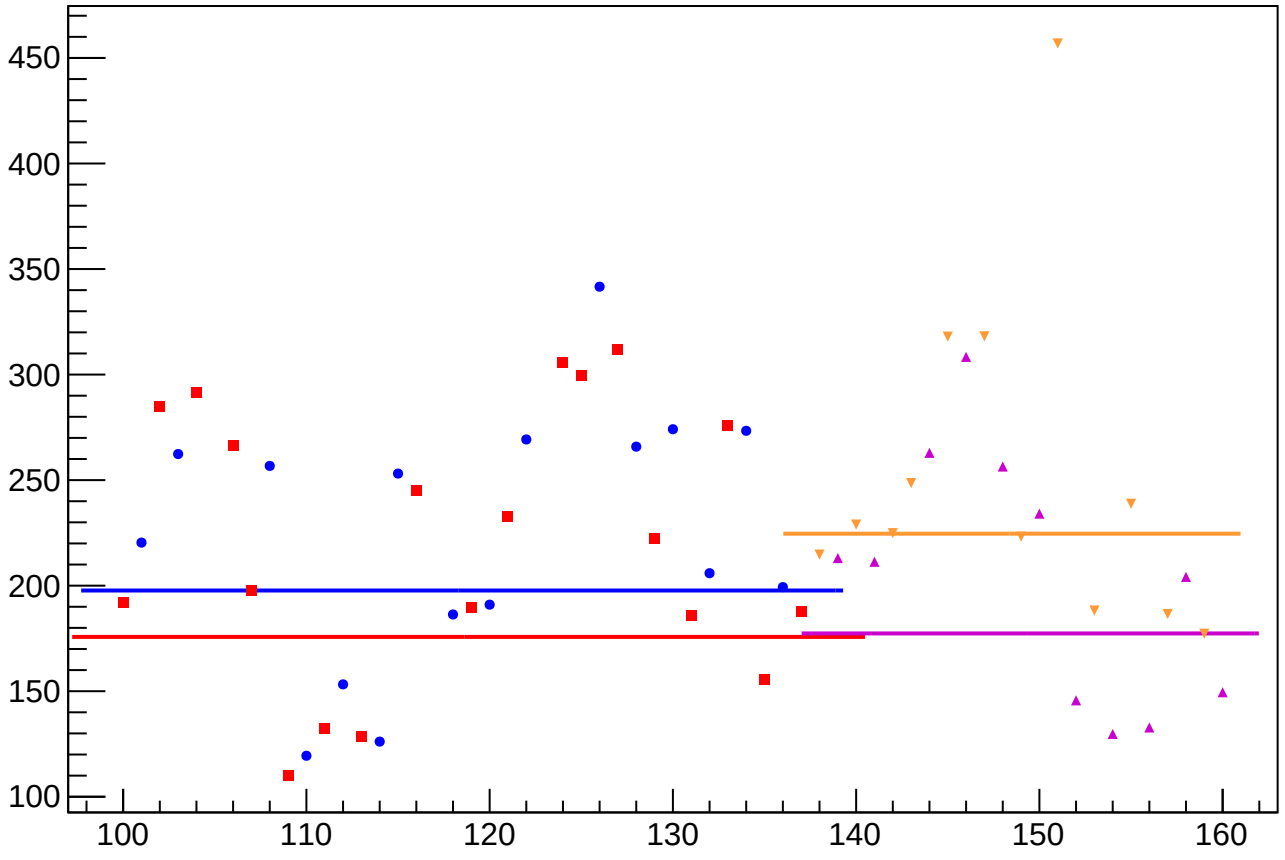
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -152.262+/-61.779 χ^2/NDF:5.1/10

+ sign 81.533+/-54.314 χ^2/NDF: 25.2/27

All: 19.827+/-35.187 χ^2/NDF: 53.7/57

- sign -24.800+/-46.190 χ^2/NDF: 26.3/29



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 224.621+/-0.054 χ^2/NDF:951426.6/11

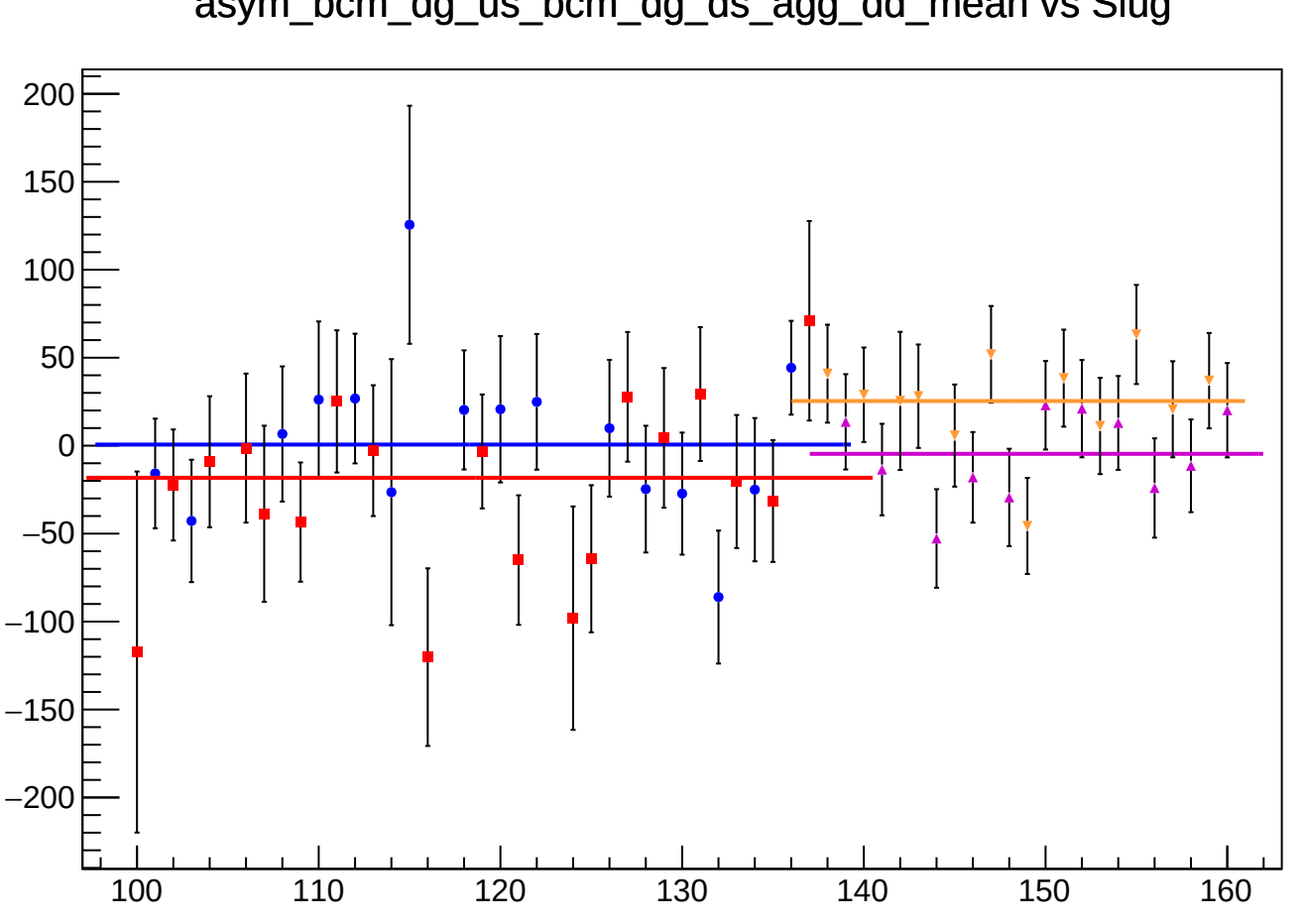
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 177.368+/-0.044 χ^2/NDF:1388820.8/10

+ sign 211.430+/-0.038 χ^2/NDF: 2074469.6/27

All: 191.241+/-0.025 χ^2/NDF: 5530686.2/57

- 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: 25.379+/-8.180 χ^2/NDF:11.0/11

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

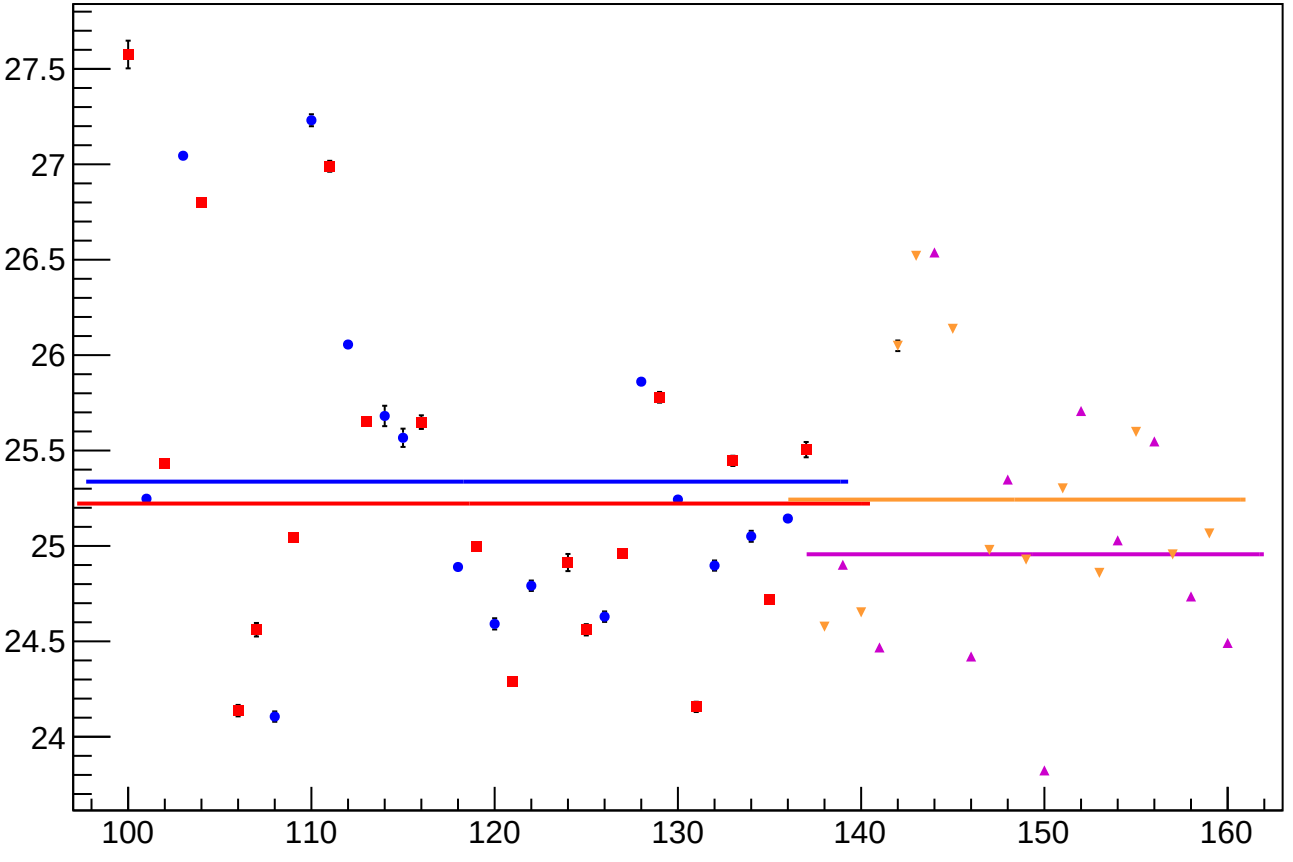
Left In: -4.651+/-8.084 χ^2/NDF:8.5/10

+ sign 14.738+/-6.177 χ^2/NDF: 31.7/27

All: 1.875+/-4.331 χ^2/NDF: 67.9/57

- 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: 25.243+/-0.006 χ^2/NDF:10110.2/11

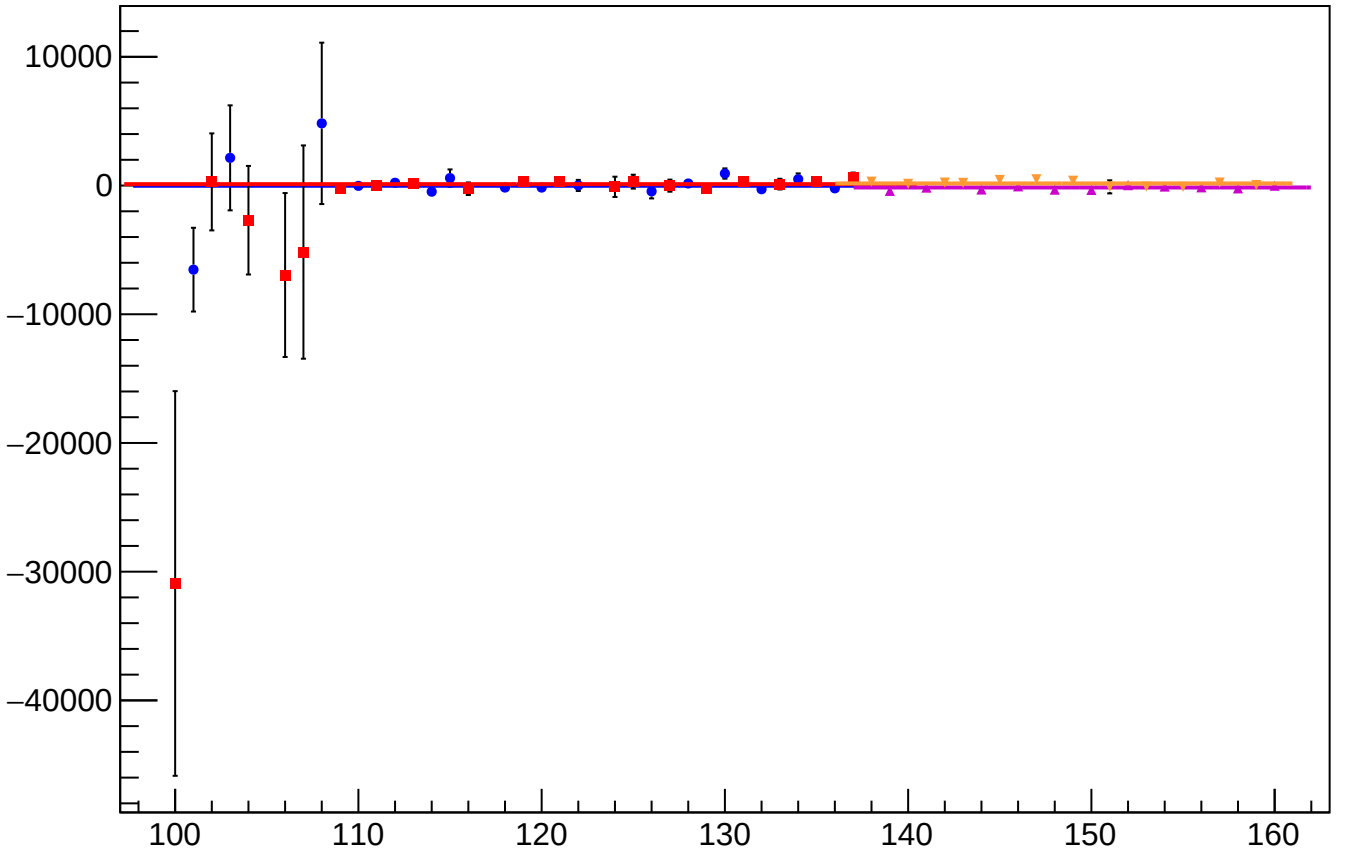
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.956+/-0.006 χ^2/NDF:15515.7/10

+ sign 25.283+/-0.004 χ^2/NDF: 24539.1/27

All: 25.176+/-0.003 χ^2/NDF: 57410.7/57

- 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: 164.702+/-77.894 χ^2/NDF:5.3/11

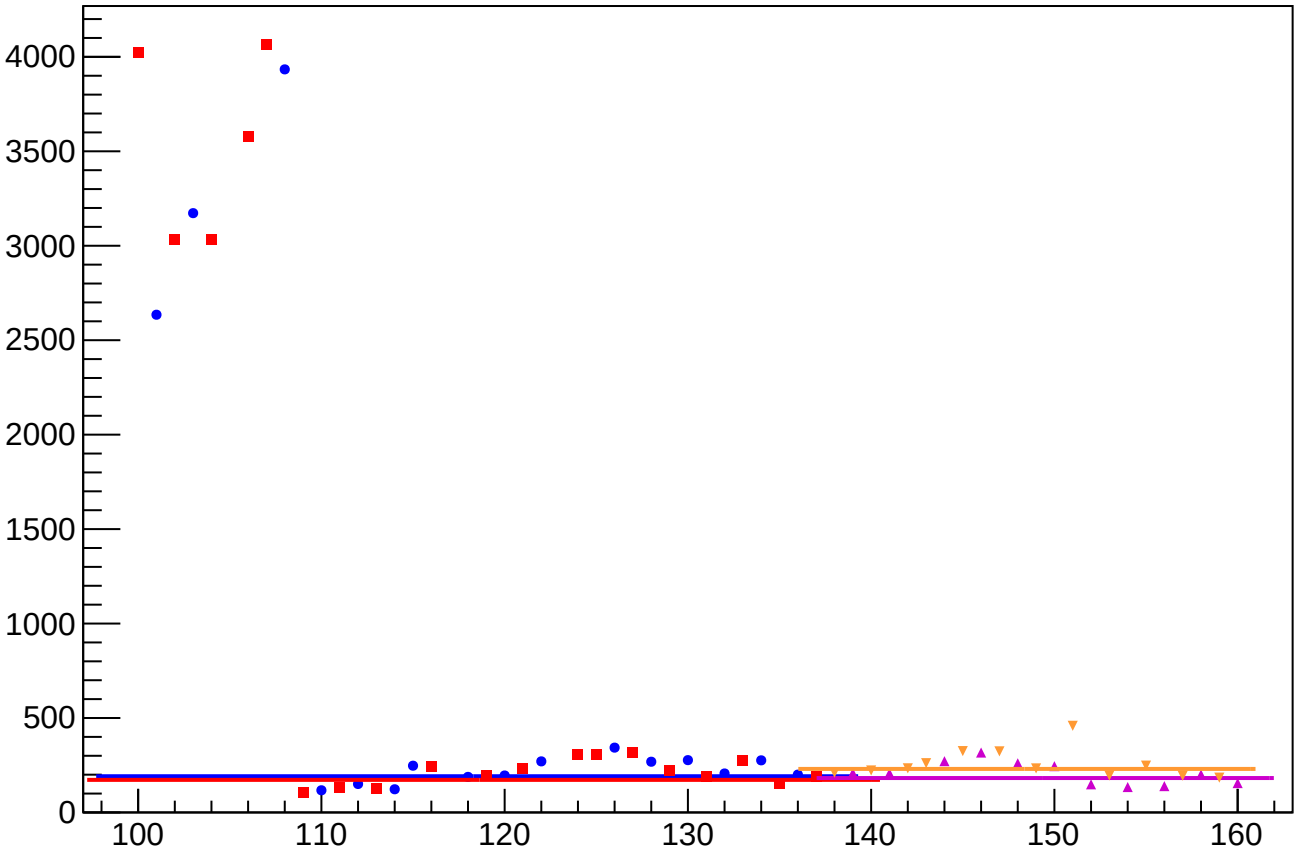
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -150.549+/-63.248 χ^2/NDF:4.3/10

+ sign 82.154+/-57.335 χ^2/NDF: 26.1/27

All: 7.240+/-37.316 χ^2/NDF: 54.0/57

- 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: 230.470+/-0.055 χ^2/NDF:917846.5/11

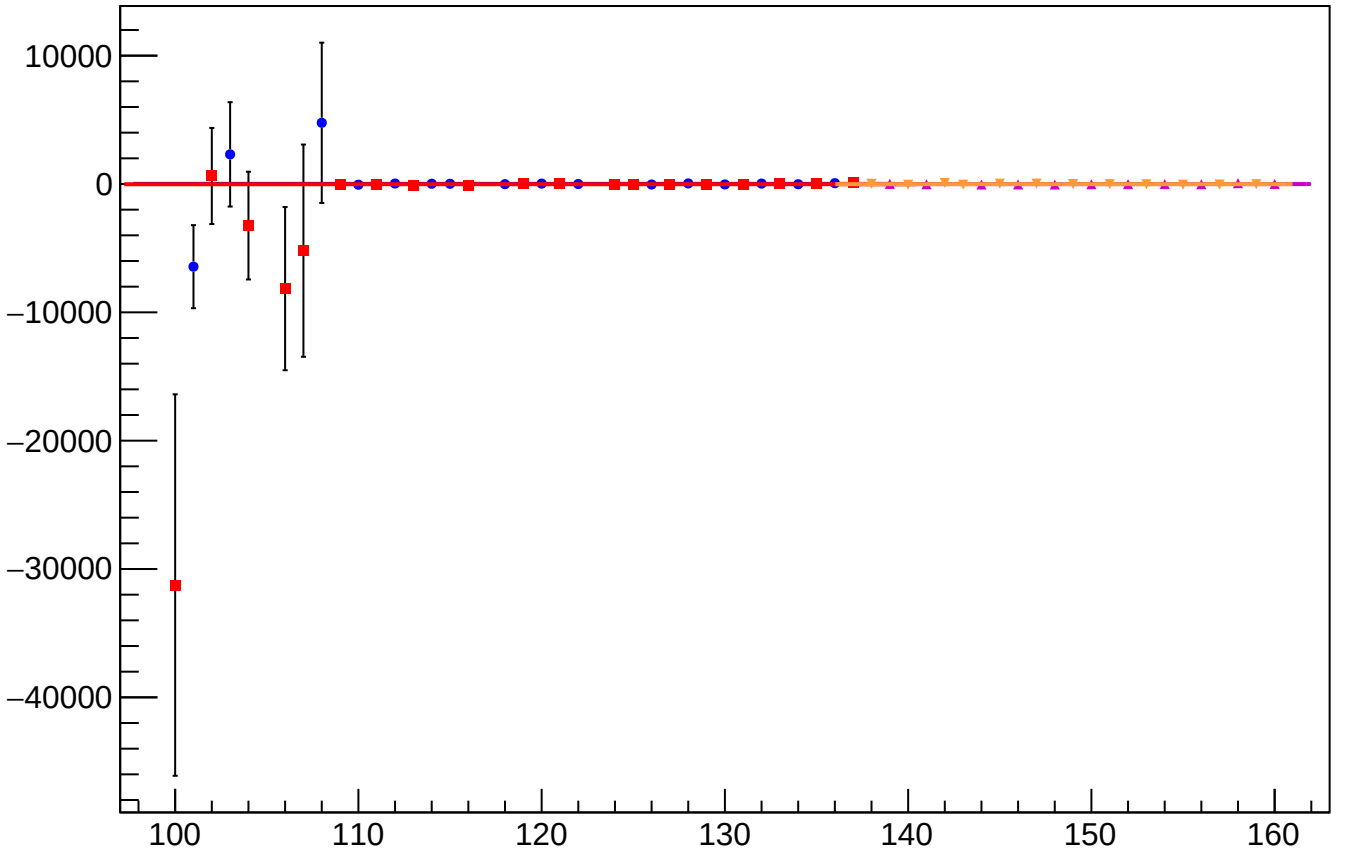
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 182.179+/-0.045 χ^2/NDF:1295586.0/10

+ sign 212.722+/-0.041 χ^2/NDF: 4966262.3/27

All: 192.899+/-0.026 χ^2/NDF: 10998444.9/57

- 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: -12.461+/-9.598 χ^2/NDF:14.2/11

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

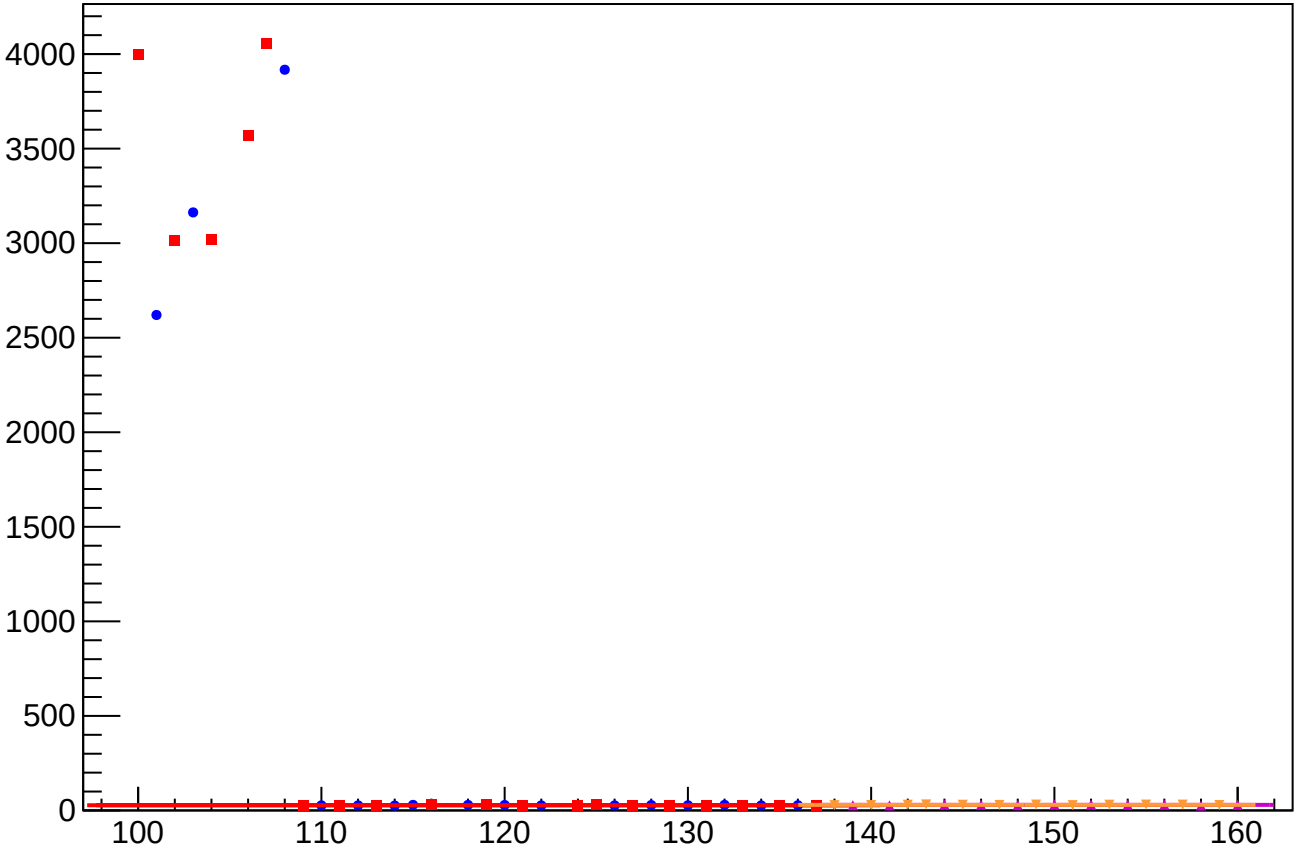
Left In: -6.029+/-9.569 χ^2/NDF:9.8/10

\+ sign -3.583+/-7.417 χ^2/NDF: 32.3/27

All: -7.192+/-5.250 χ^2/NDF: 68.0/57

\- 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: 29.557+/-0.007 χ^2/NDF:35603.3/11

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

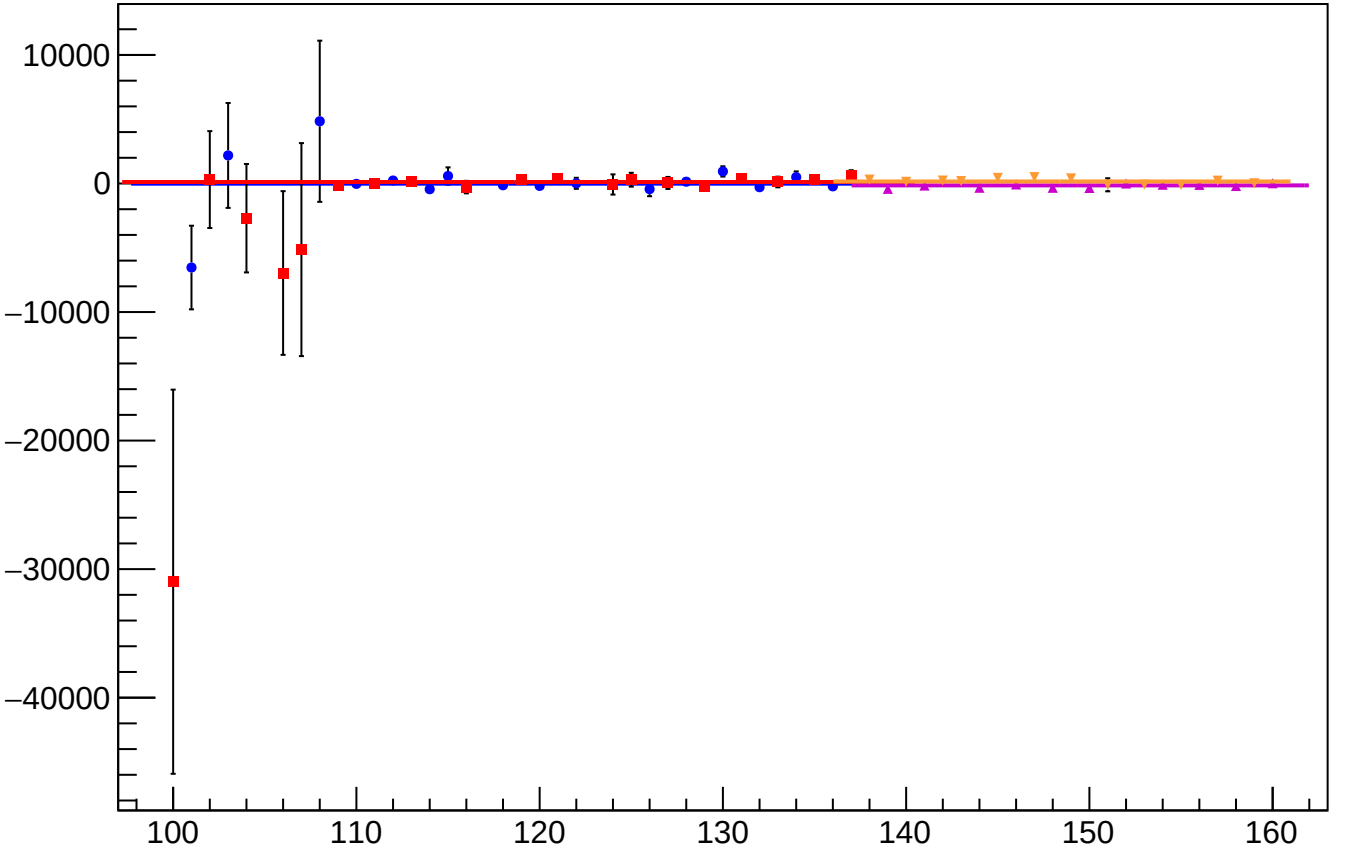
Left In: 29.460+/-0.007 χ^2/NDF:66383.0/10

+ sign 28.786+/-0.005 χ^2/NDF: 3333200.9/27

All: 28.741+/-0.004 χ^2/NDF: 6987058.3/57

- sign 28.696+/-0.005 χ^2/NDF: 3653713.7/29

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 158.217+/-77.721 χ^2/NDF:5.8/11

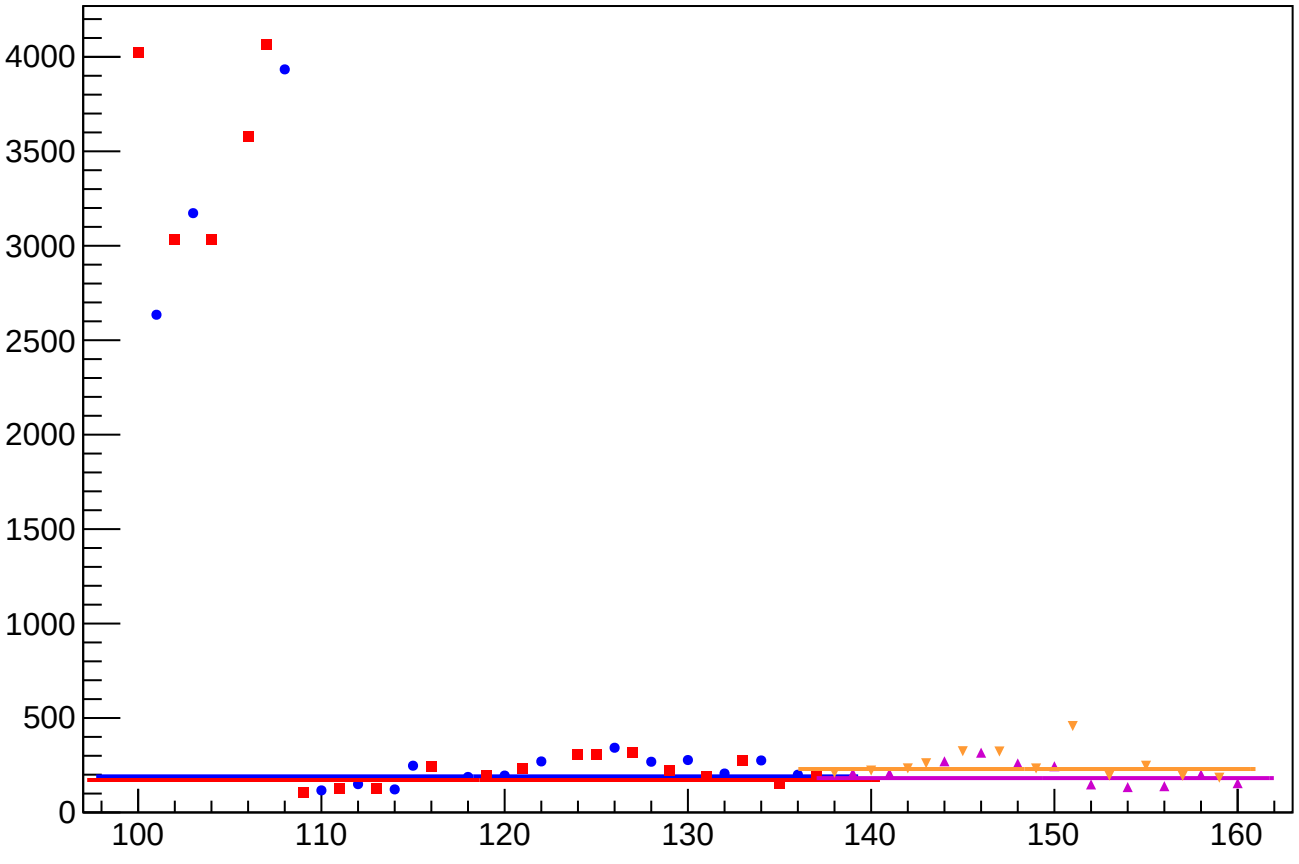
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -146.976+/-63.126 χ^2/NDF:4.5/10

+ sign 79.631+/-57.190 χ^2/NDF: 26.3/27

All: 9.614+/-37.225 χ^2/NDF: 54.9/57

- 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: 229.961+/-0.055 χ^2/NDF:917809.1/11

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

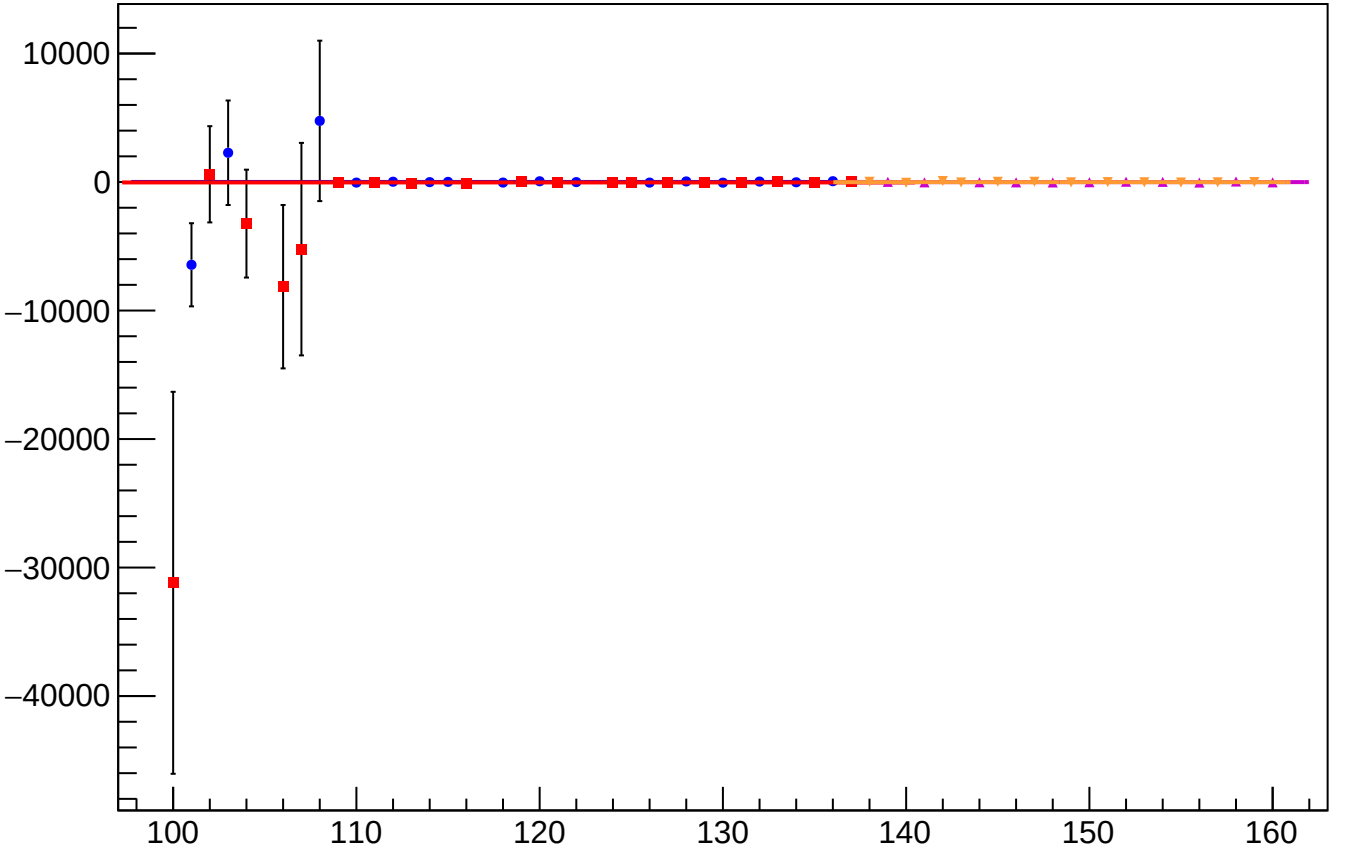
Left In: 181.830+/-0.045 χ^2/NDF:1295531.2/10

+ sign 212.127+/-0.040 χ^2/NDF: 4981396.2/27

All: 192.382+/-0.026 χ^2/NDF: 11025212.6/57

- 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: -9.093+/-9.673 χ^2/NDF:10.3/11

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

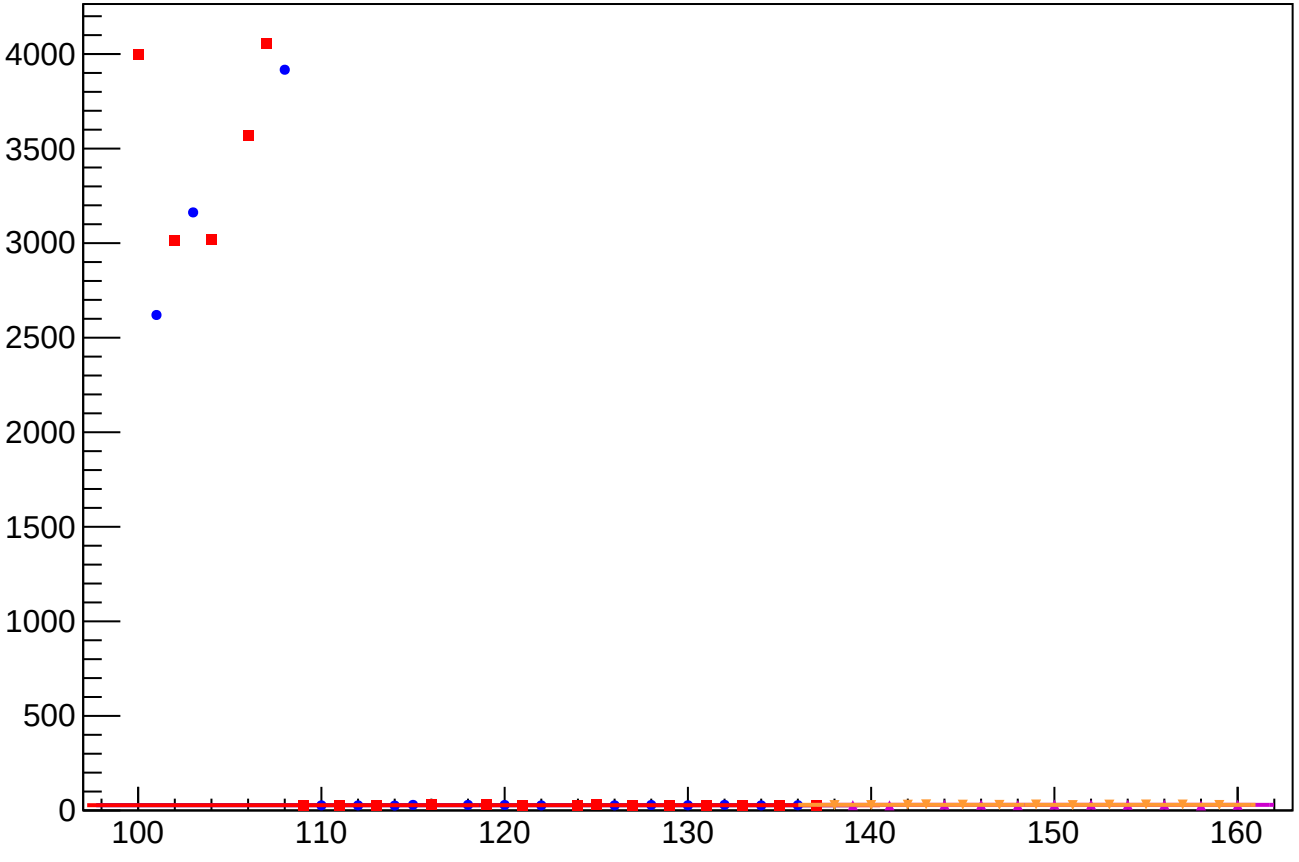
Left In: -5.387+/-9.626 χ^2/NDF:7.5/10

+ sign -2.808+/-7.471 χ^2/NDF: 29.6/27

All: -9.143+/-5.288 χ^2/NDF: 61.2/57

- 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: 29.783+/-0.007 χ^2/NDF:38521.5/11

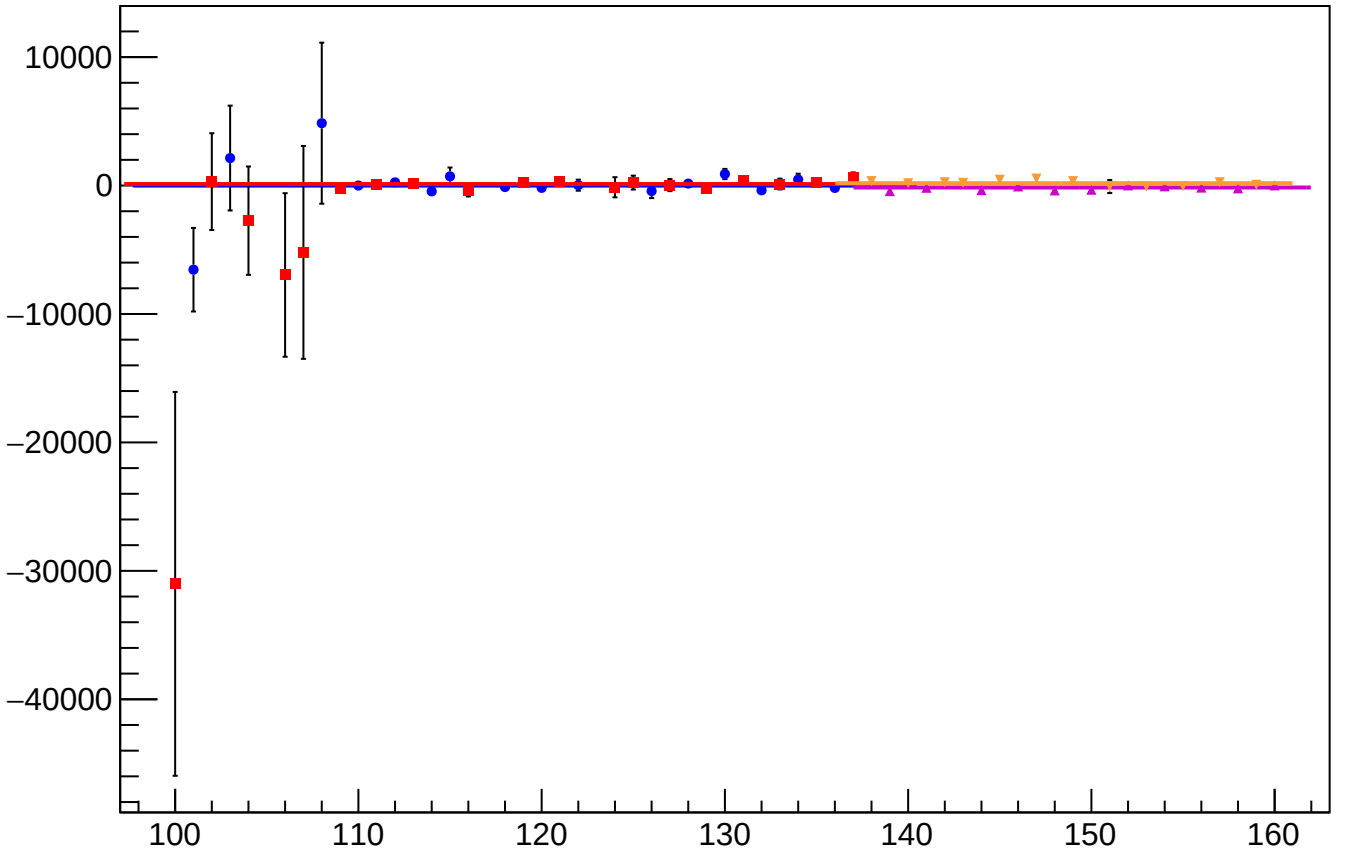
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.639+/-0.007 χ^2/NDF:68751.9/10

\+ sign 28.993+/-0.005 χ^2/NDF: 3337482.6/27

All: 28.943+/-0.004 χ^2/NDF: 6995436.4/57

\- 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: 183.364+/-78.550 χ^2/NDF:5.2/11

Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

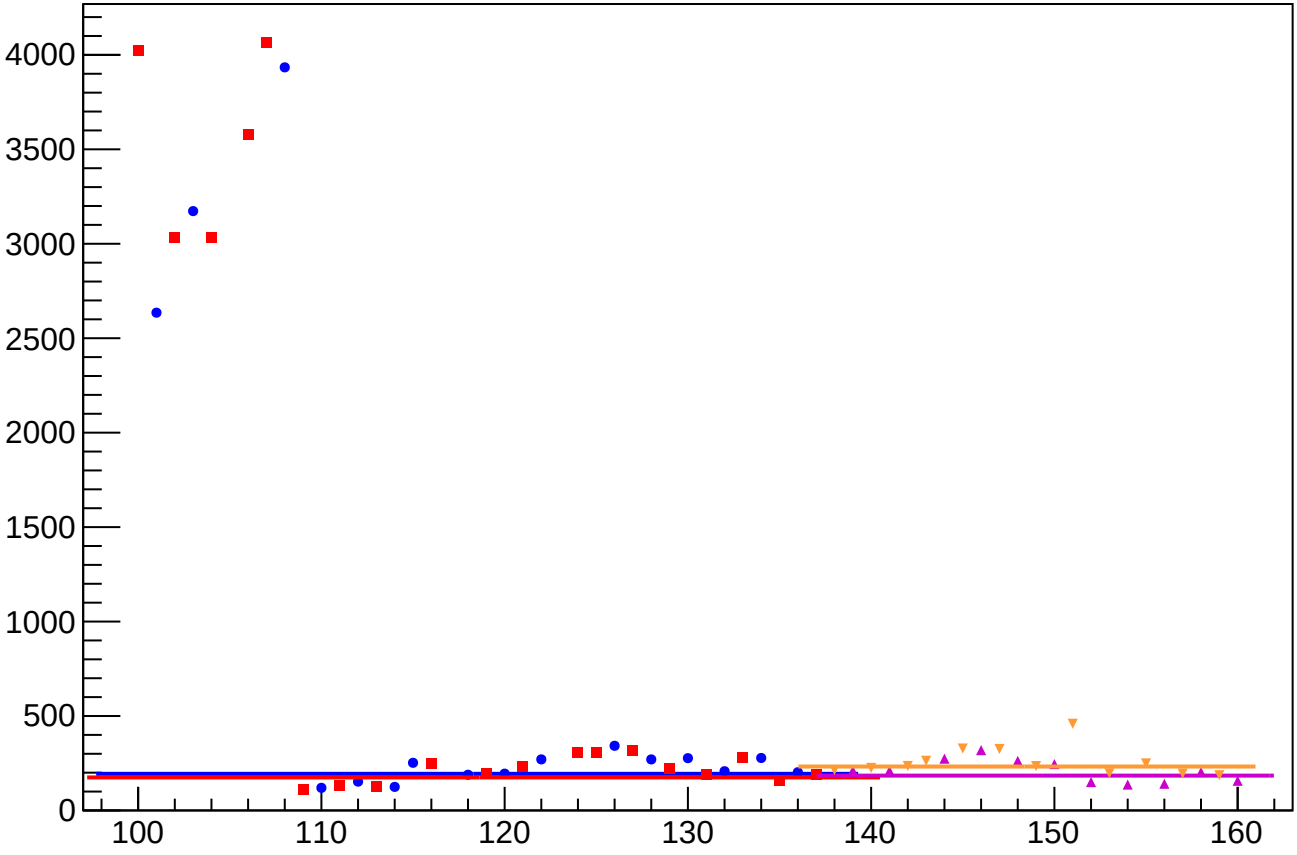
Left In: -153.945+/-63.962 χ^2/NDF:5.1/10

+ sign 98.165+/-57.847 χ^2/NDF: 26.0/27

All: 14.603+/-37.697 χ^2/NDF: 55.5/57

- sign -47.077+/-49.699 χ^2/NDF: 25.9/29

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 232.547+/-0.056 χ^2/NDF:907444.7/11

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

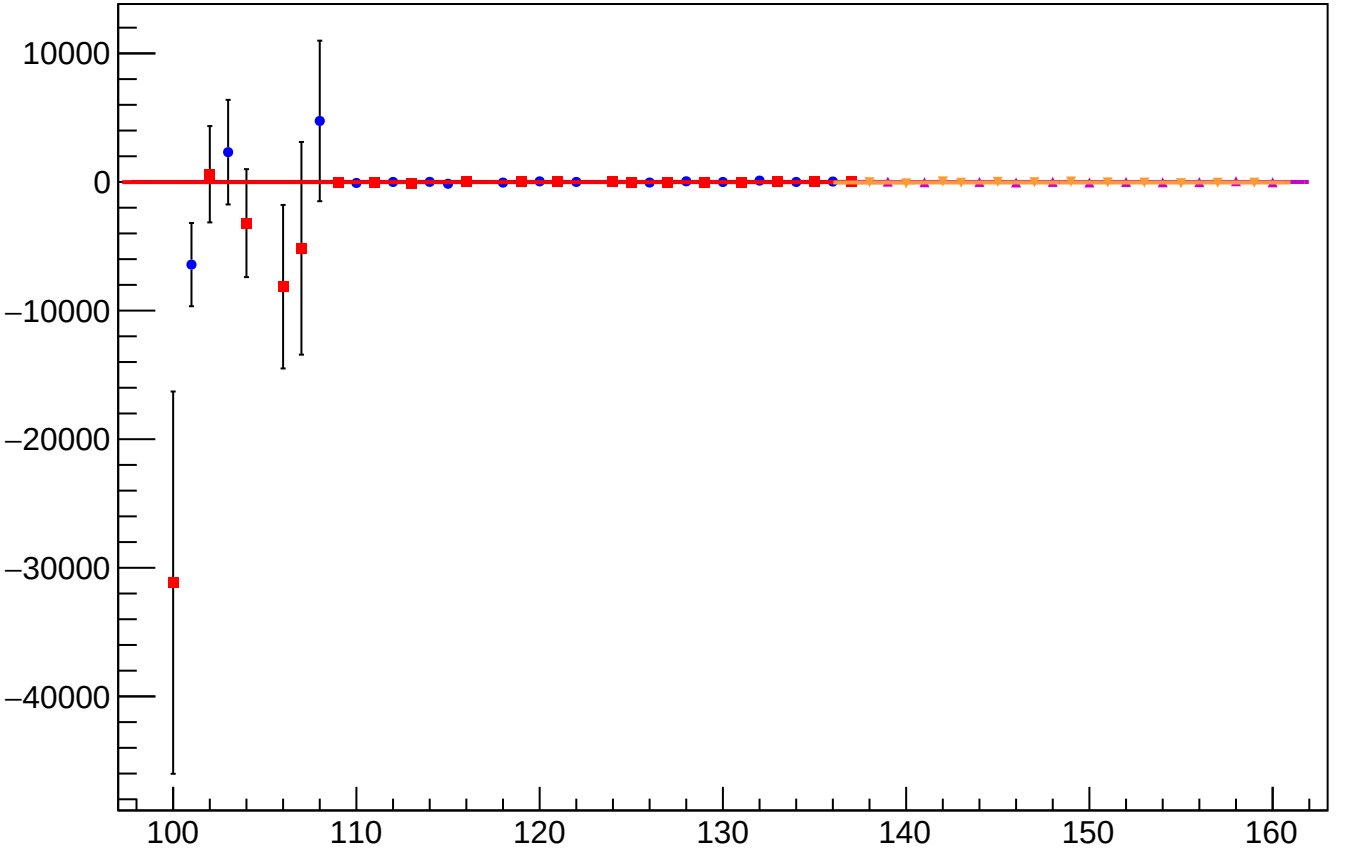
Left In: 184.453+/-0.045 χ^2/NDF:1271840.0/10

+ sign 214.881+/-0.041 χ^2/NDF: 4912954.6/27

All: 195.169+/-0.027 χ^2/NDF: 10865878.5/57

- sign 180.620+/-0.035 χ^2/NDF: 5549289.3/29

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -38.641+/-11.362 χ^2/NDF:13.2/11

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

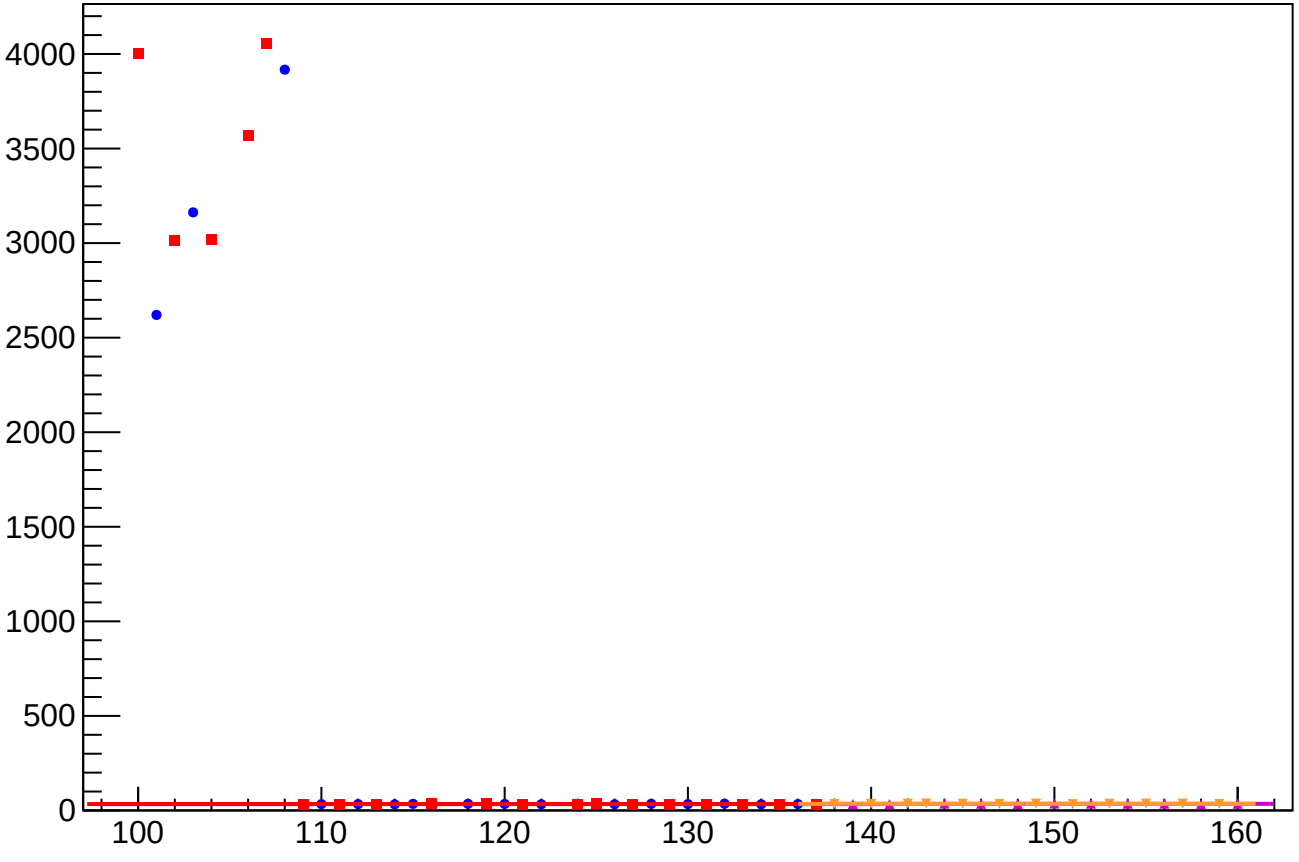
Left In: 0.772+/-11.348 χ^2/NDF:6.6/10

+ sign -21.506+/-8.897 χ^2/NDF: 36.5/27

All: -12.449+/-6.300 χ^2/NDF: 69.0/57

- sign -3.345+/-8.921 χ^2/NDF: 30.4/29

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 35.042+/-0.008 χ^2/NDF:17013.2/11

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

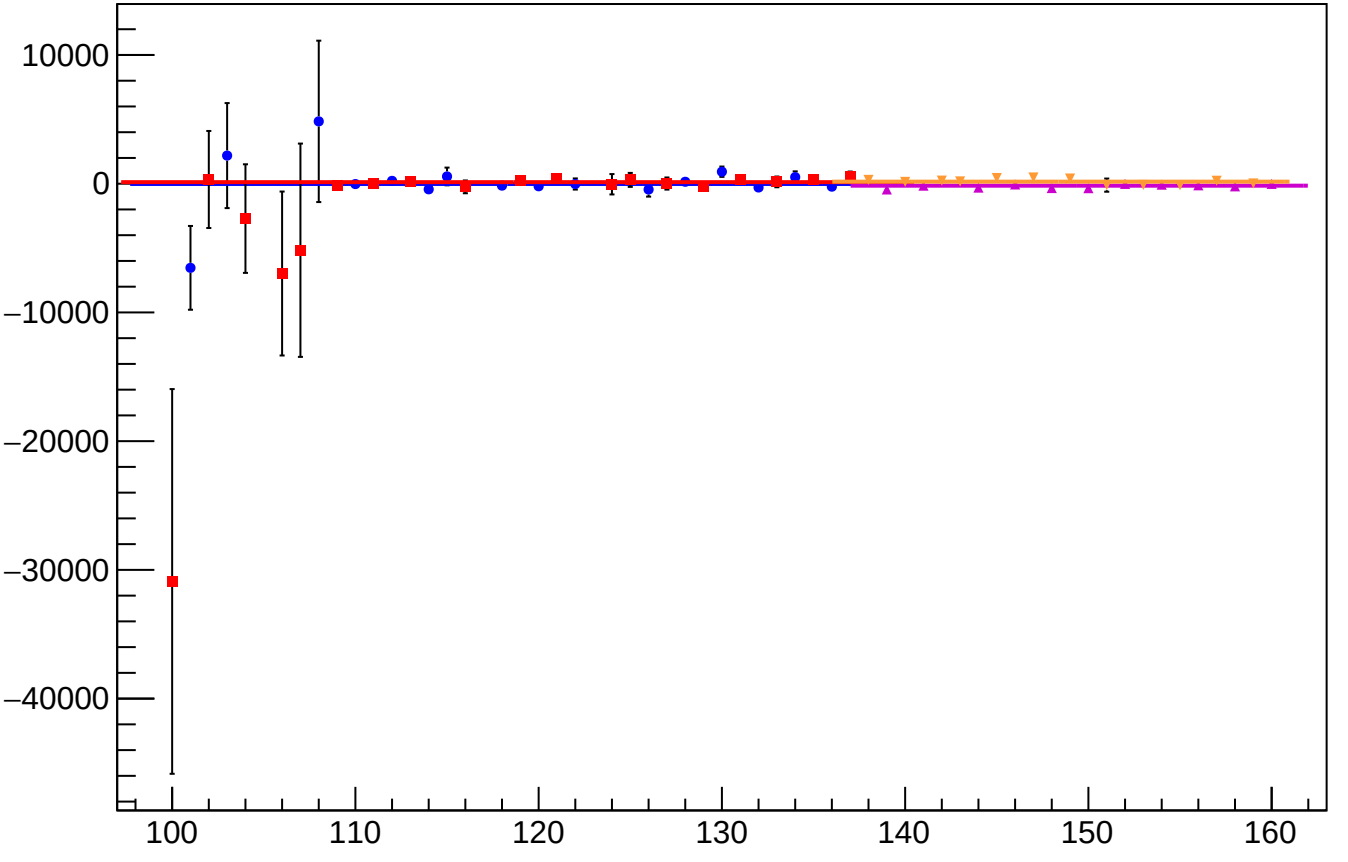
Left In: 35.015+/-0.008 χ^2/NDF:25785.1/10

+ sign 34.600+/-0.006 χ^2/NDF: 3269215.6/27

All: 34.561+/-0.004 χ^2/NDF: 6831394.6/57

- sign 34.522+/-0.006 χ^2/NDF: 3562103.4/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 159.134+/-78.282 χ^2/NDF:5.8/11

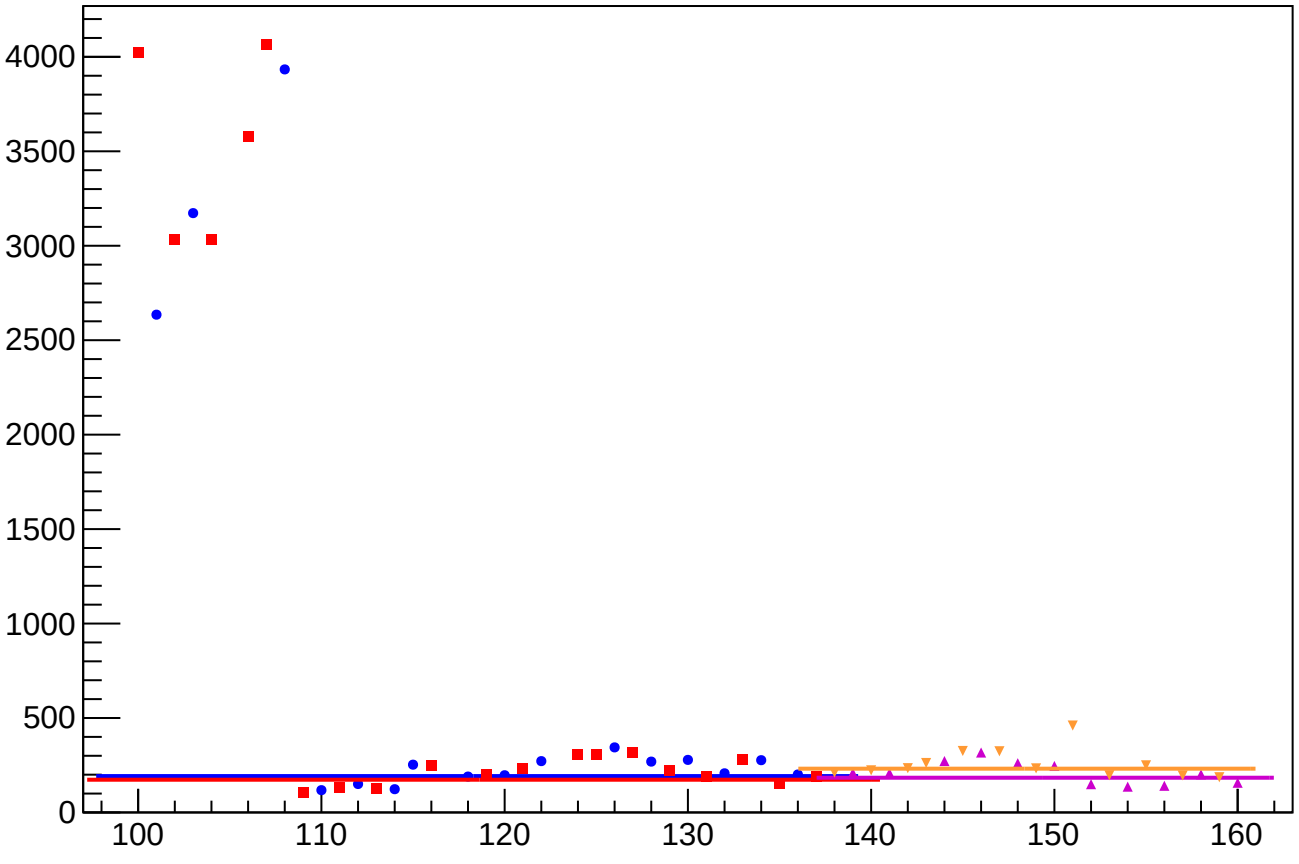
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -153.905+/-63.741 χ^2/NDF:4.3/10

+ sign 77.210+/-57.602 χ^2/NDF: 26.3/27

All: 6.864+/-37.530 χ^2/NDF: 53.9/57

- 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: 231.756+/-0.055 χ^2/NDF:903251.0/11

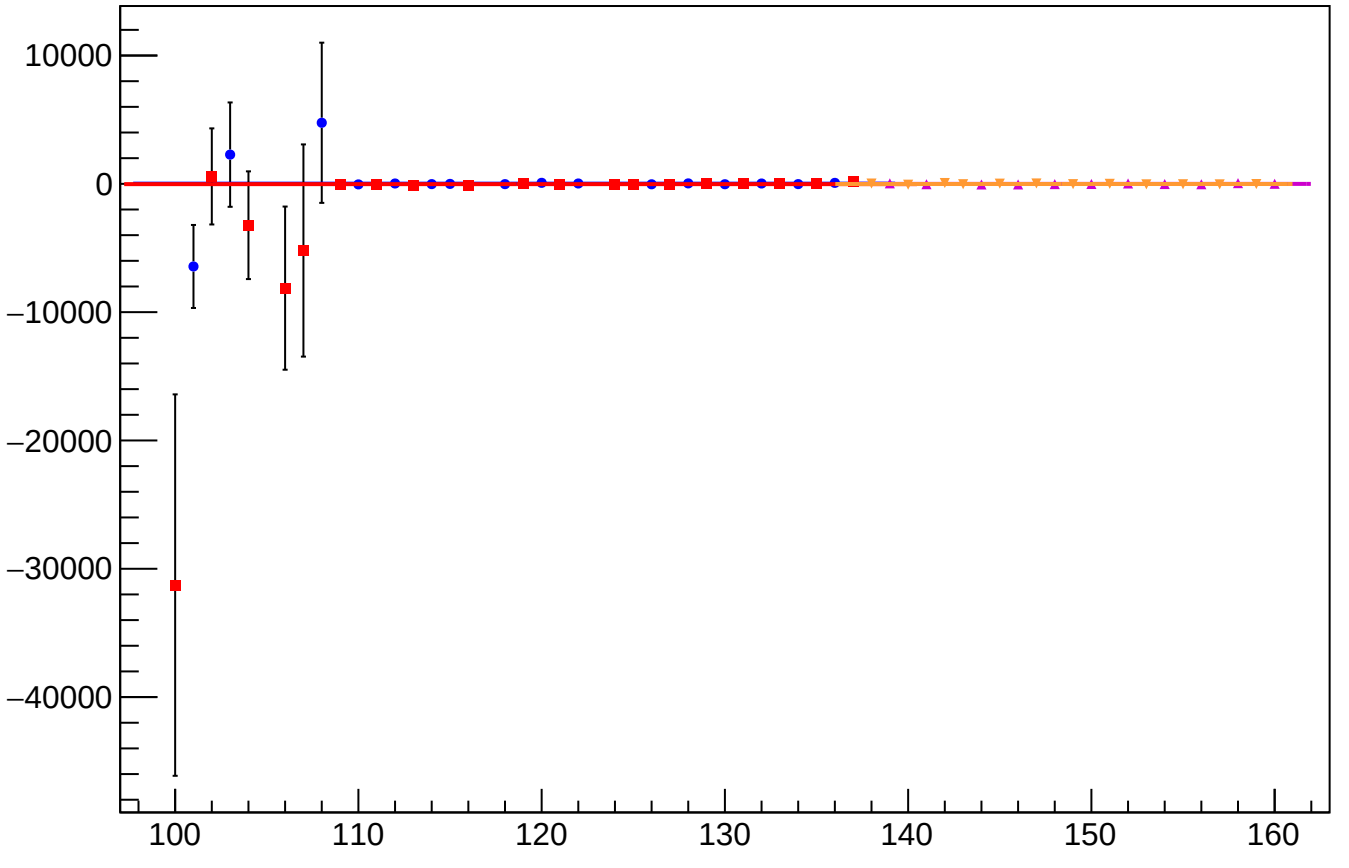
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 183.841+/-0.045 χ^2/NDF:1257023.0/10

+ sign 213.783+/-0.041 χ^2/NDF: 4955967.2/27

All: 194.128+/-0.027 χ^2/NDF: 10947003.5/57

- 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: -13.538+/-10.348 χ^2/NDF:9.9/11

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

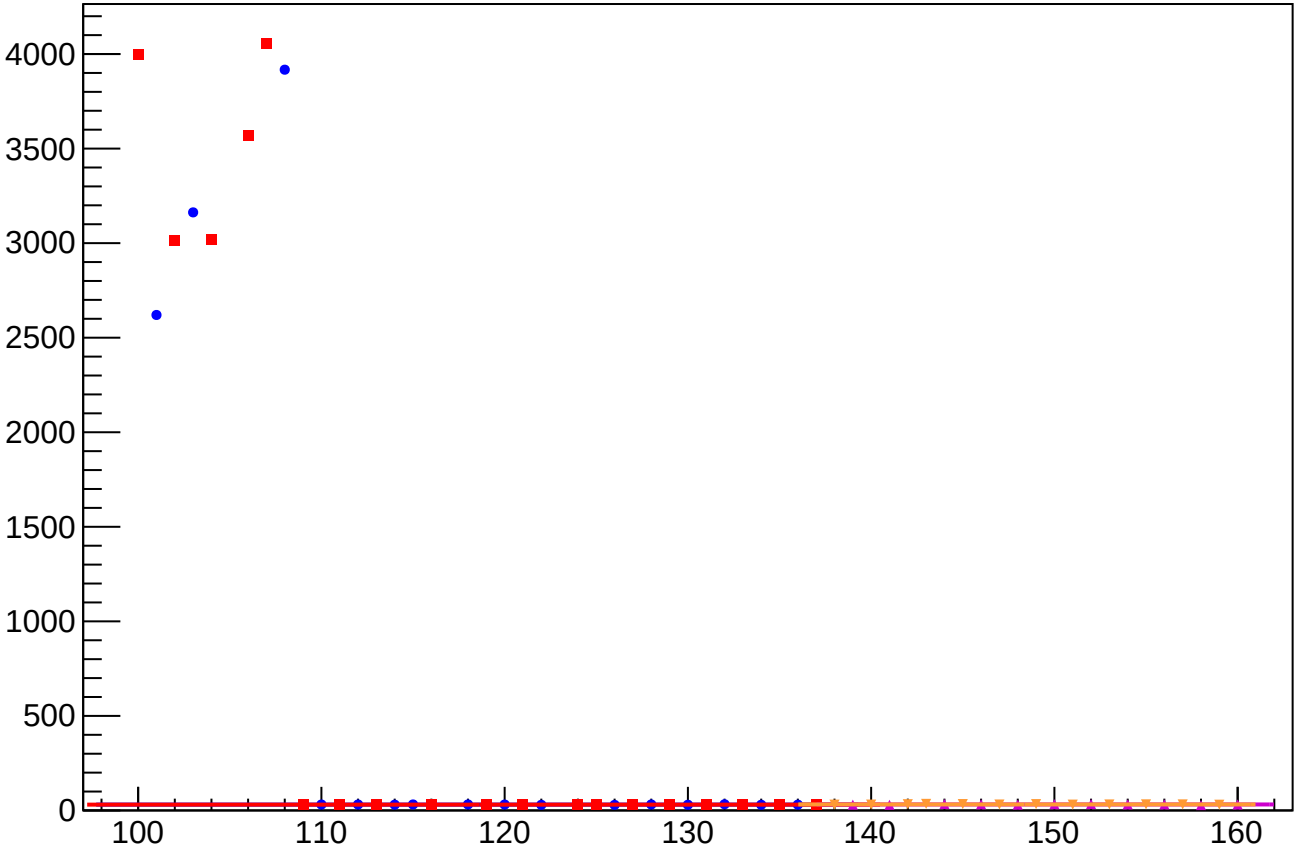
Left In: -3.719+/-10.297 χ^2/NDF:10.7/10

\+ sign -3.030+/-8.111 χ^2/NDF: 28.1/27

All: -7.070+/-5.737 χ^2/NDF: 69.3/57

\- 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: 31.884+/-0.007 χ^2/NDF:30653.5/11

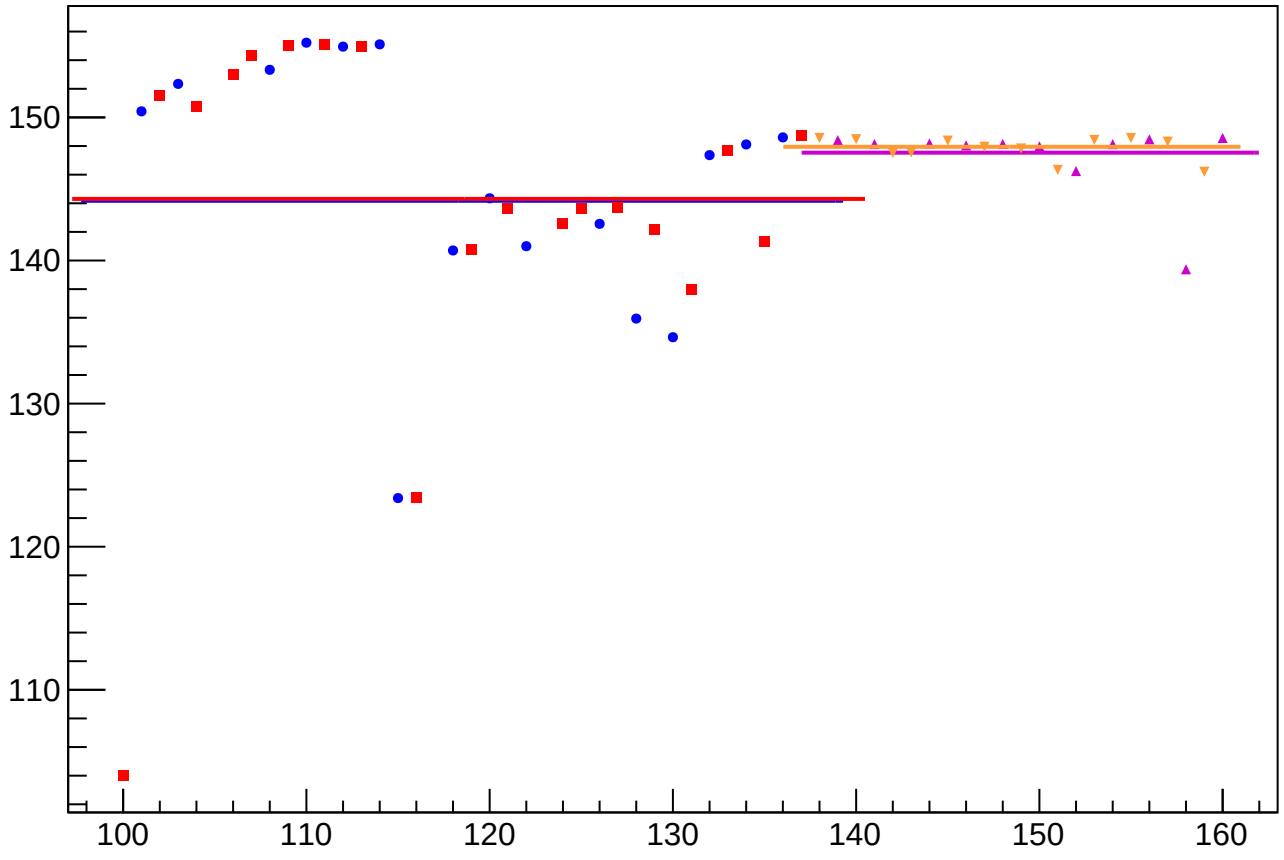
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.718+/-0.007 χ^2/NDF:53139.8/10

+ sign 31.516+/-0.006 χ^2/NDF: 3289840.6/27

All: 31.439+/-0.004 χ^2/NDF: 6885908.4/57

- 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: 147.947+/-0.000 χ^2/NDF:32547822.4/11

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

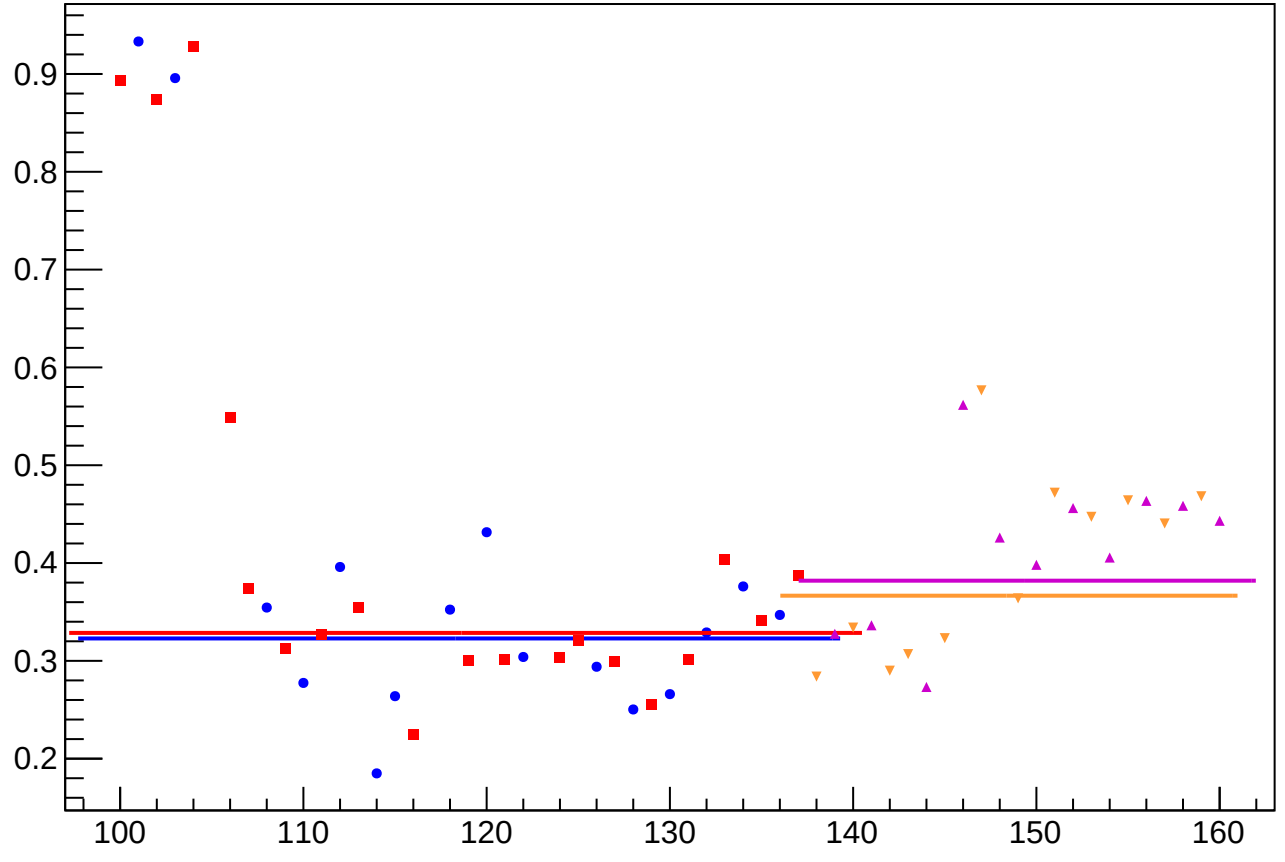
Left In: 147.538+/-0.000 χ^2/NDF:284142704.7/10

+ sign 146.177+/-0.000 χ^2/NDF: 4187831757.8/27

All: 146.075+/-0.000 χ^2/NDF: 9042818193.1

- sign 145.968+/-0.000 χ^2/NDF: 4852405082.6/29

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.367+/-0.000 χ^2/NDF:812583.9/11

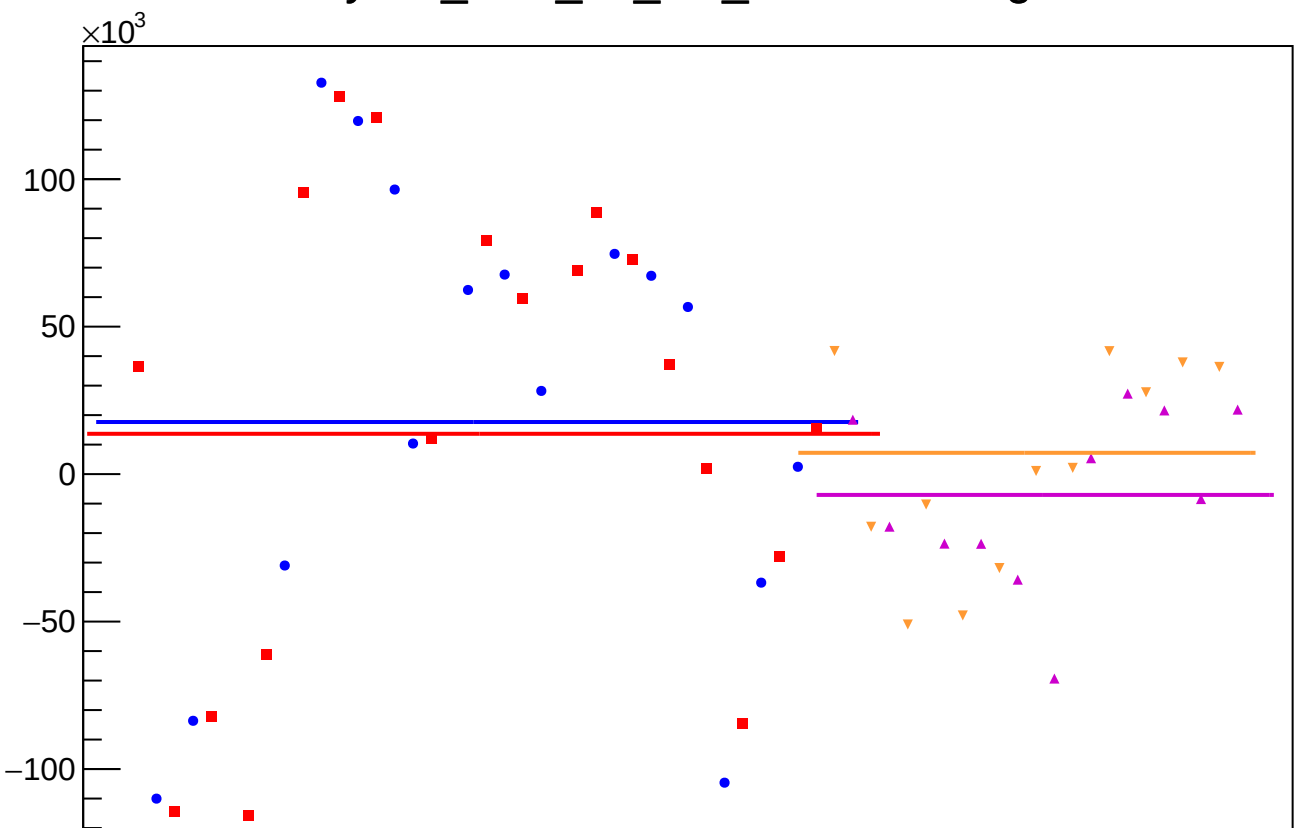
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.382+/-0.000 χ^2/NDF:715024.4/10

+ sign 0.346+/-0.000 χ^2/NDF: 2324409.5/27

All: 0.351+/-0.000 χ^2/NDF: 4521066.7/57

- sign 0.356+/-0.000 χ^2/NDF: 2184868.2/29



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 7222.959+/-1.610 χ^2/NDF:391077481.2/11

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

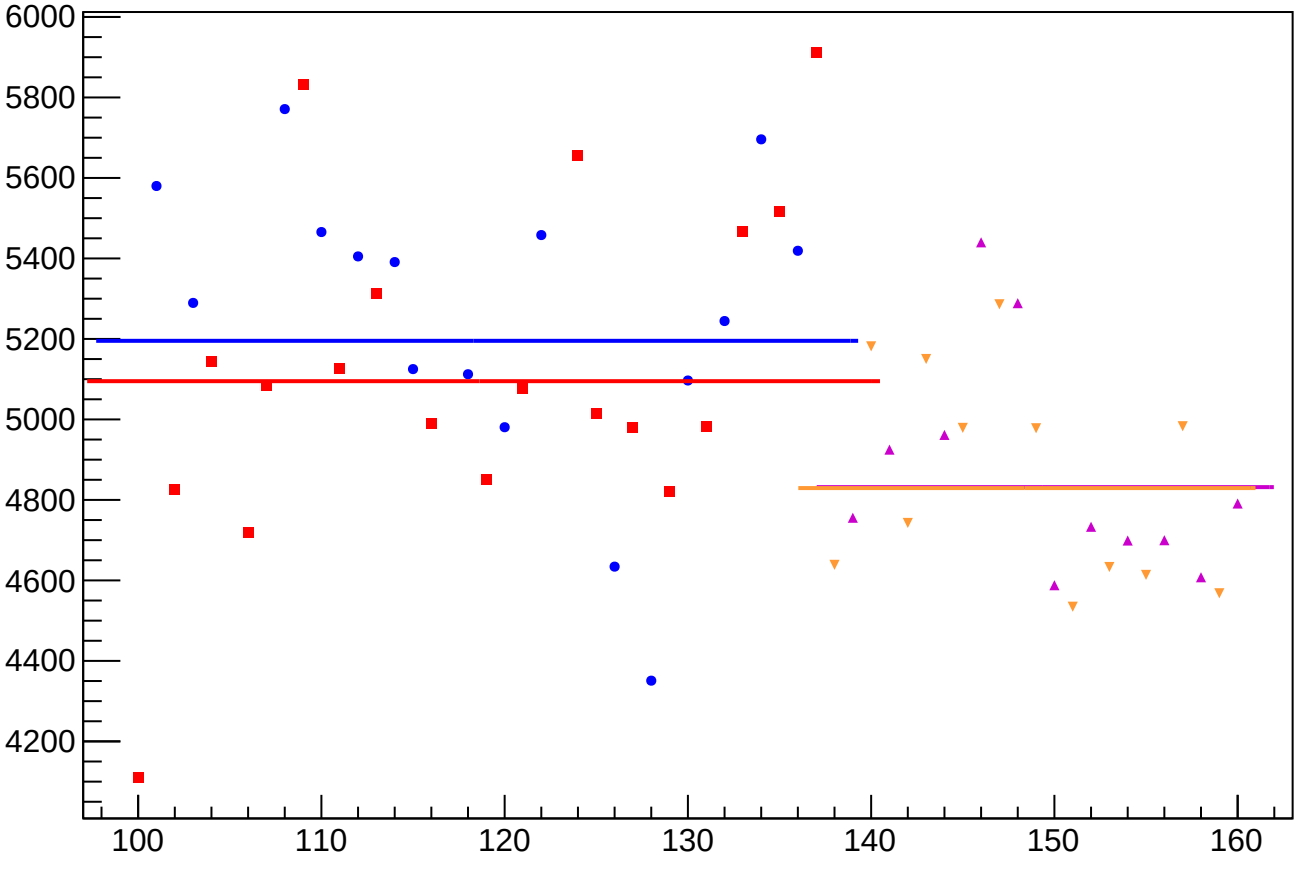
Left In: -7053.793+/-1.611 χ^2/NDF:335837467.1/10

+ sign 11313.201+/-1.255 χ^2/NDF: 1806301327.7/2

All: 6316.738+/-0.880 χ^2/NDF: 4098441789.

- 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: 4829.405+/-1.138 χ^2/NDF:50113.3/11

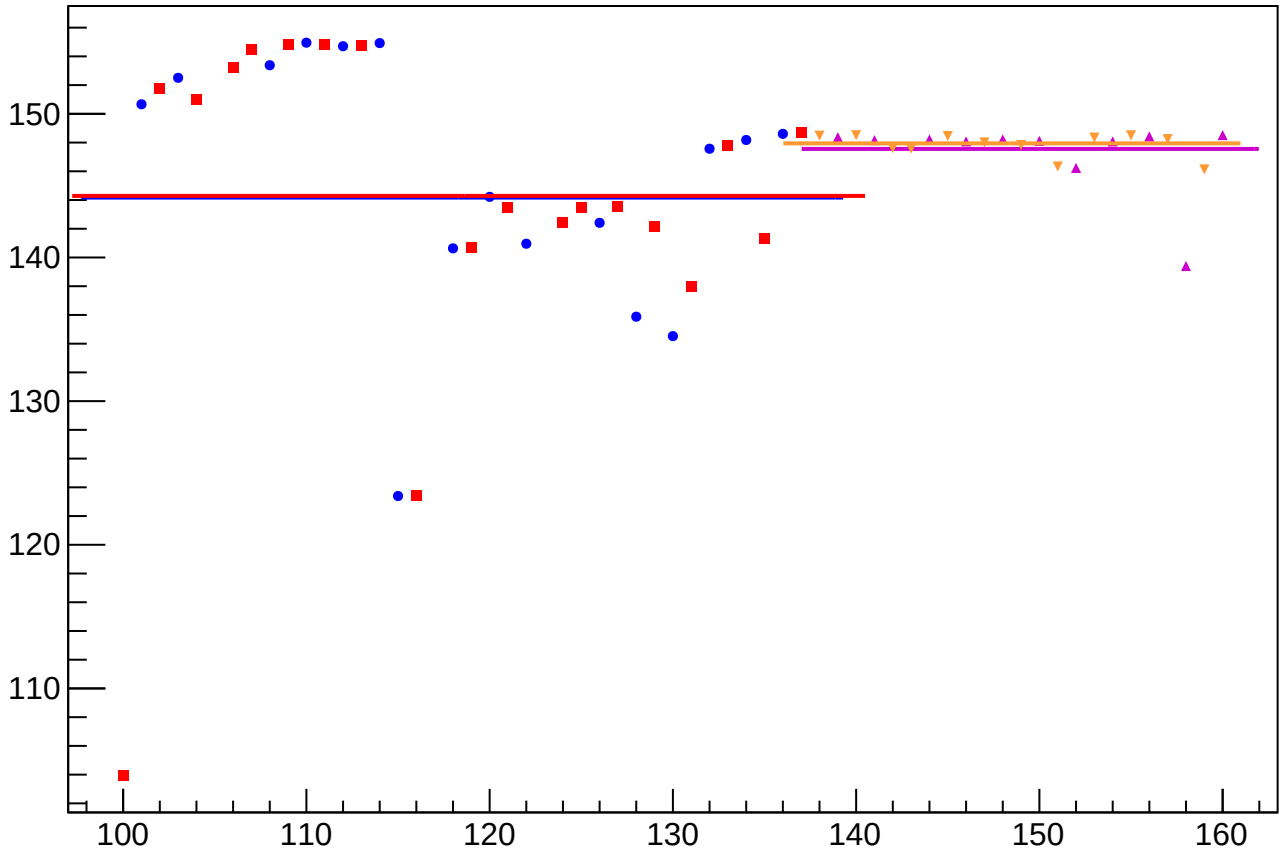
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4831.787+/-1.139 χ^2/NDF:46068.8/10

\+ sign 4972.745+/-0.888 χ^2/NDF: 167770.5/27

All: 4956.208+/-0.623 χ^2/NDF: 295639.2/57

\- 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: 147.943+/-0.000 χ^2/NDF:32537744.3/11

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

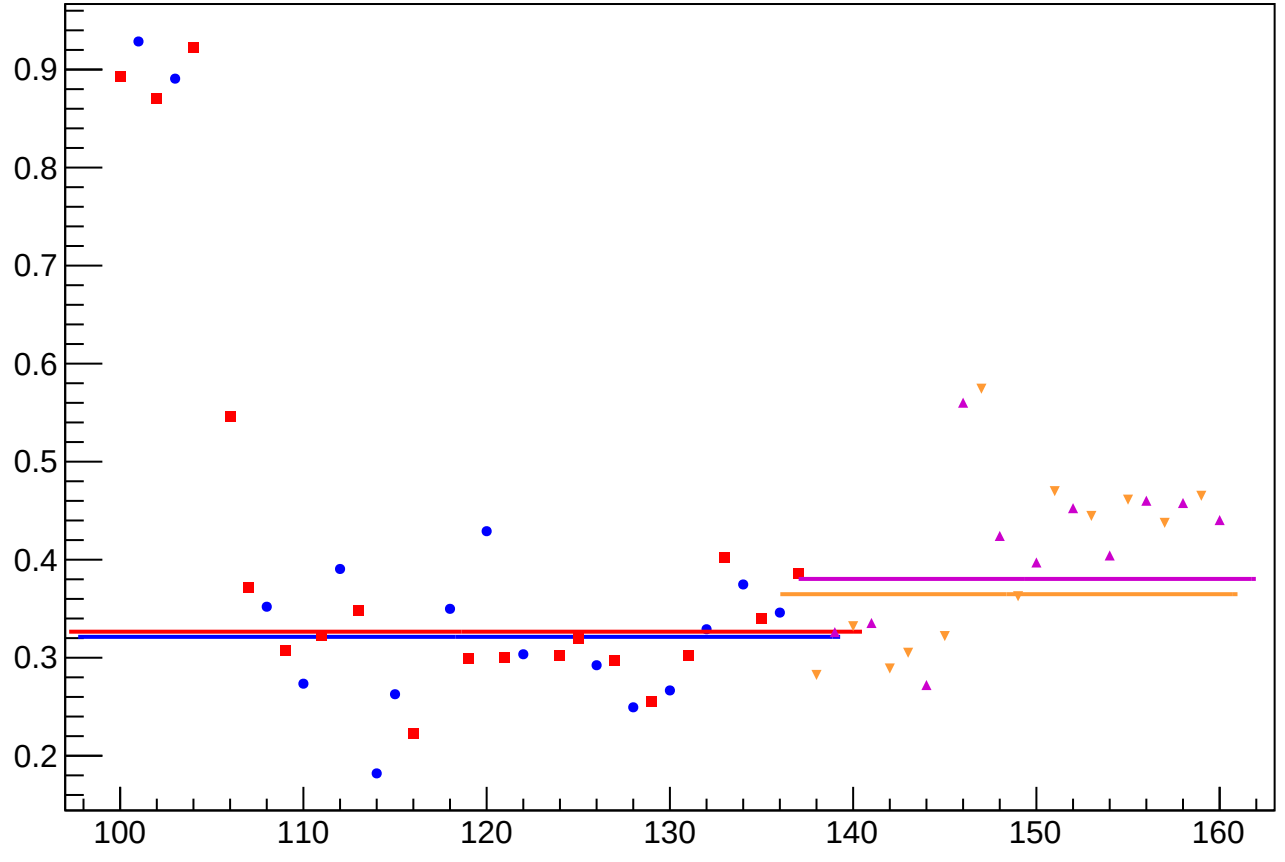
Left In: 147.557+/-0.000 χ^2/NDF:285117935.9/10

+ sign 146.173+/-0.000 χ^2/NDF: 4232395672.3/27

All: 146.072+/-0.000 χ^2/NDF: 9124369976.1

- 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: 0.365+/-0.000 χ^2/NDF:810710.2/11

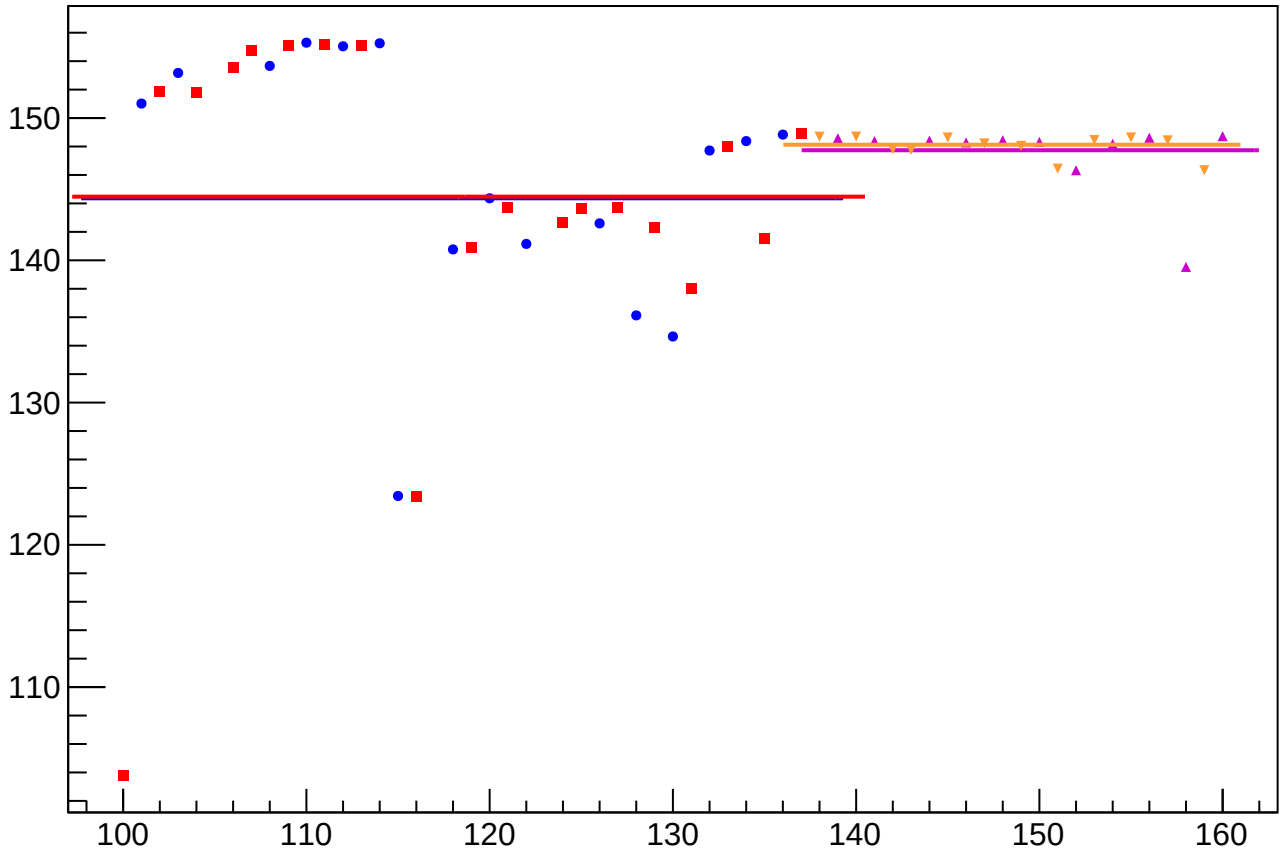
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.380+/-0.000 χ^2/NDF:713011.2/10

+ sign 0.344+/-0.000 χ^2/NDF: 2322827.3/27

All: 0.349+/-0.000 χ^2/NDF: 4520271.5/57

- 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: 148.126+/-0.000 χ^2/NDF:32584544.5/11

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

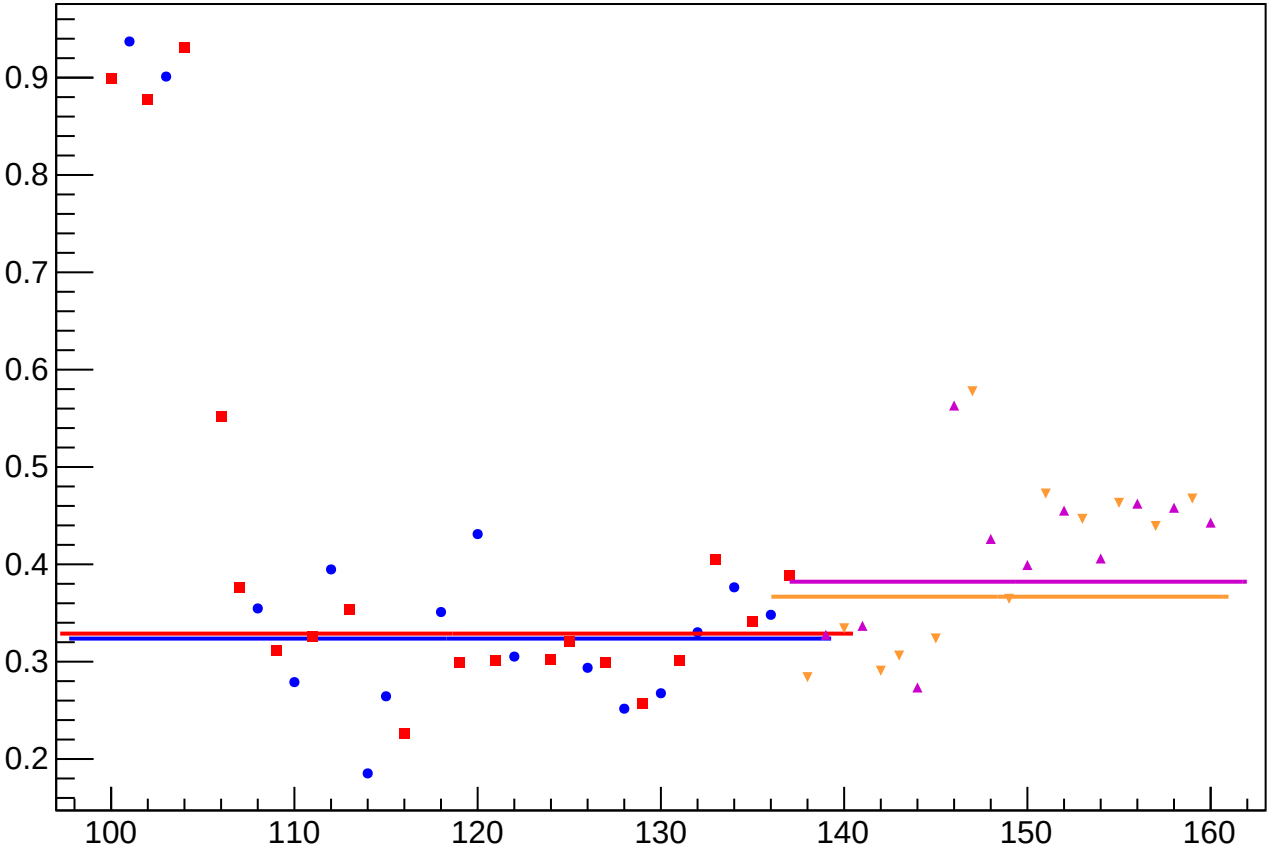
Left In: 147.738+/-0.000 χ^2/NDF:289515520.6/10

+ sign 146.362+/-0.000 χ^2/NDF: 4219393303.5/27

All: 146.261+/-0.000 χ^2/NDF: 9102530602.0

- 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: 0.367+/-0.000 χ^2/NDF:809628.7/11

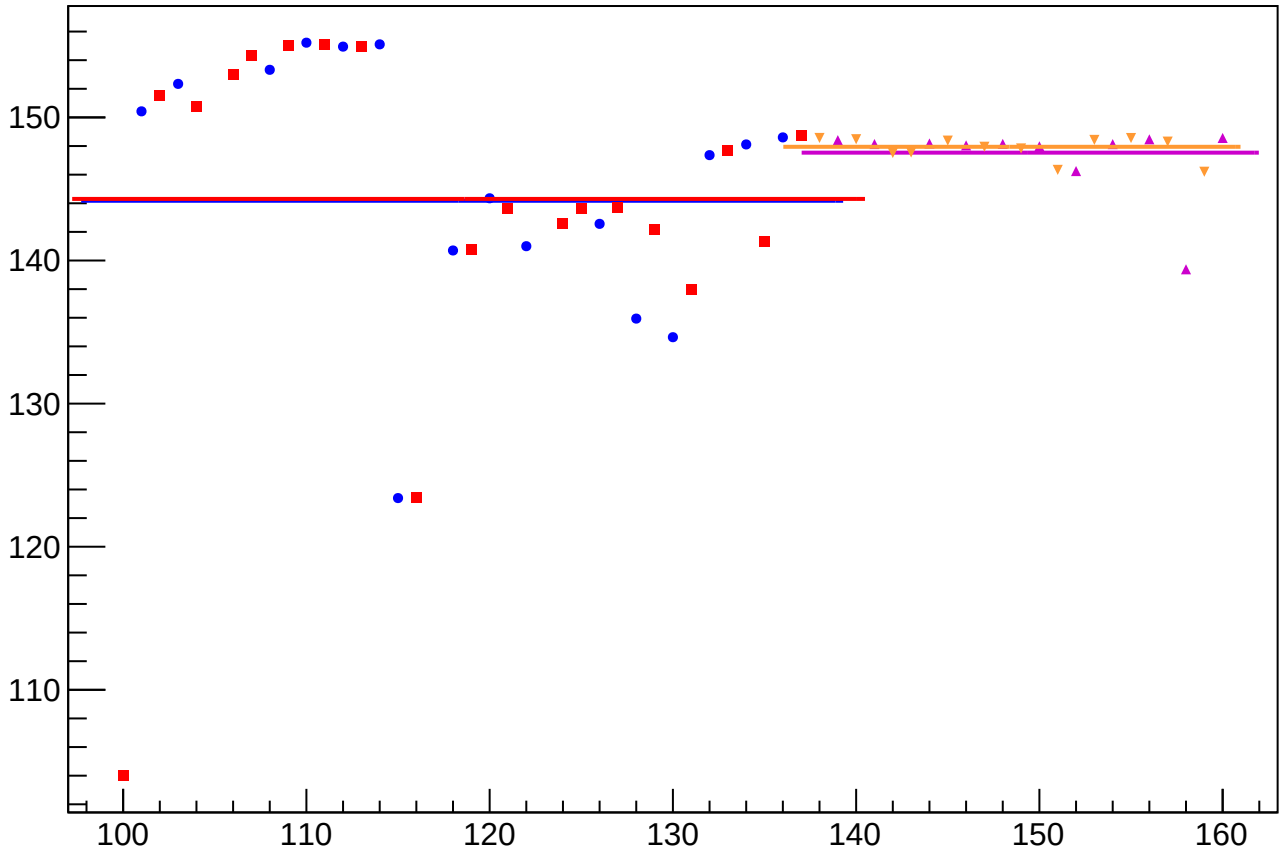
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.382+/-0.000 χ^2/NDF:711993.7/10

+ sign 0.347+/-0.000 χ^2/NDF: 2313768.2/27

All: 0.351+/-0.000 χ^2/NDF: 4505214.8/57

- 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: 147.947+/-0.000 χ^2/NDF:32547822.4/11

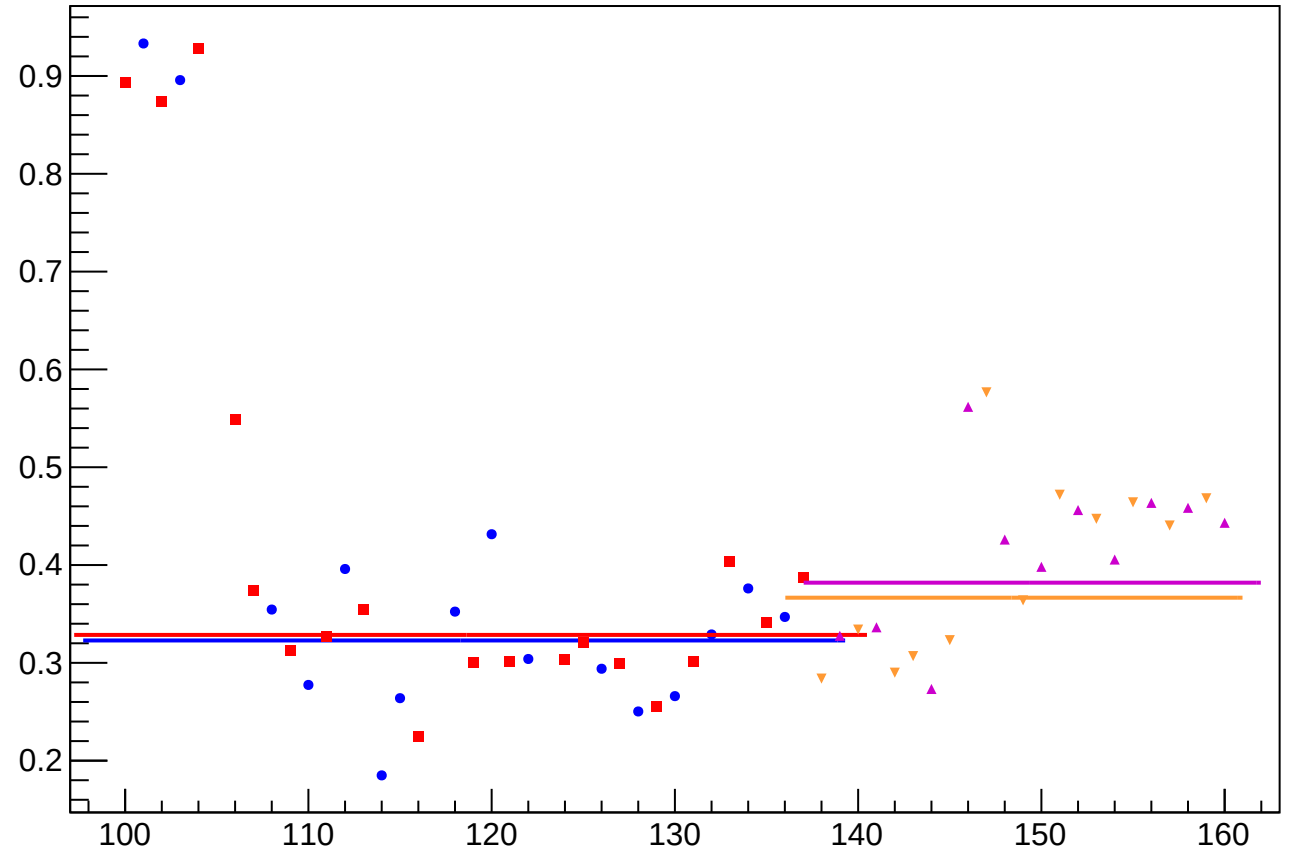
Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.538+/-0.000 χ^2/NDF:284142704.7/10

+ sign 146.177+/-0.000 χ^2/NDF: 4187831757.8/27

All: 146.075+/-0.000 χ^2/NDF: 9042818193.1

- 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: 0.367+/-0.000 χ^2/NDF:812583.9/11

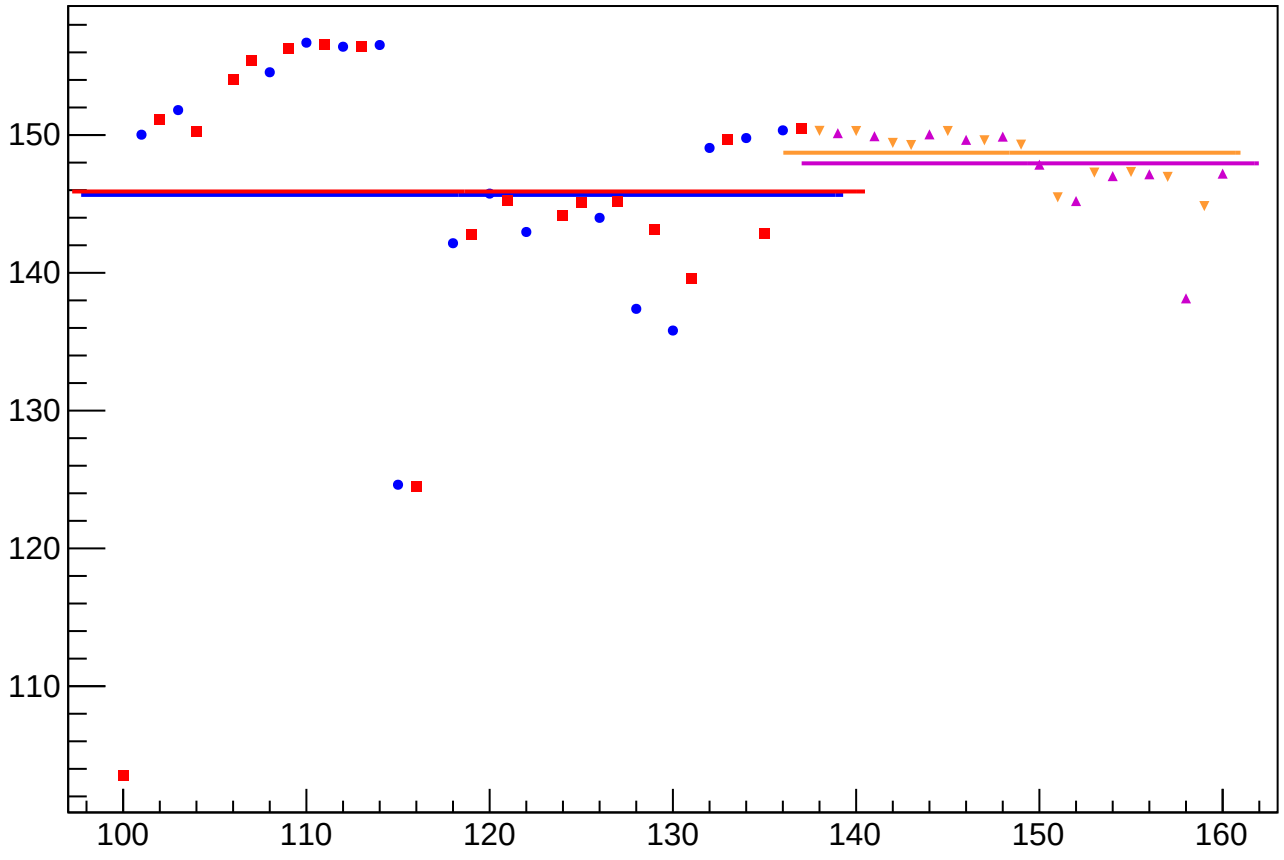
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.382+/-0.000 χ^2/NDF:715024.4/10

+ sign 0.346+/-0.000 χ^2/NDF: 2324409.5/27

All: 0.351+/-0.000 χ^2/NDF: 4521066.7/57

- 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: 148.718+/-0.000 χ^2/NDF:179959840.2/11

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

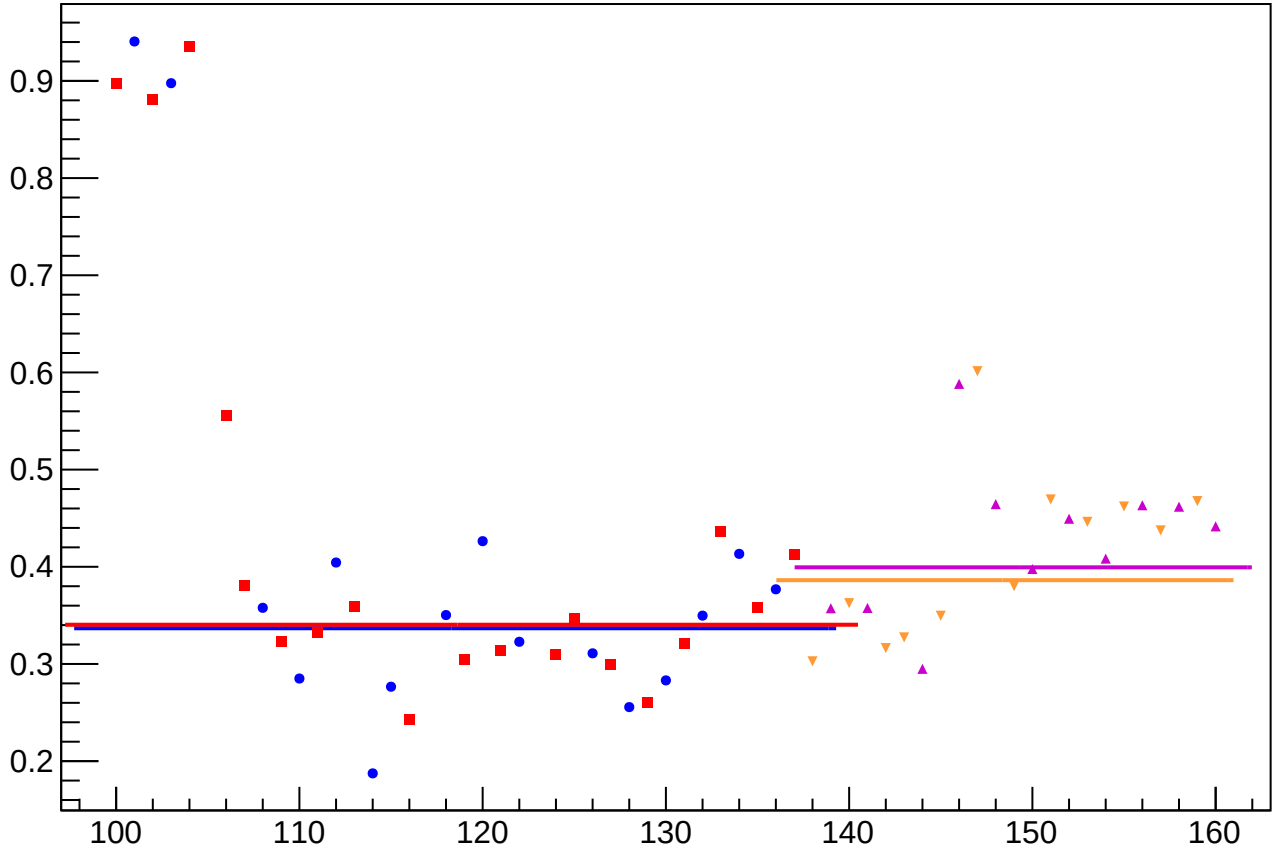
Left In: 147.946+/-0.000 χ^2/NDF:518045122.3/10

+ sign 147.271+/-0.000 χ^2/NDF: 3920580816.4/27

All: 147.113+/-0.000 χ^2/NDF: 8419506405.9

- 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: 0.386+/-0.000 χ^2/NDF:614262.0/11

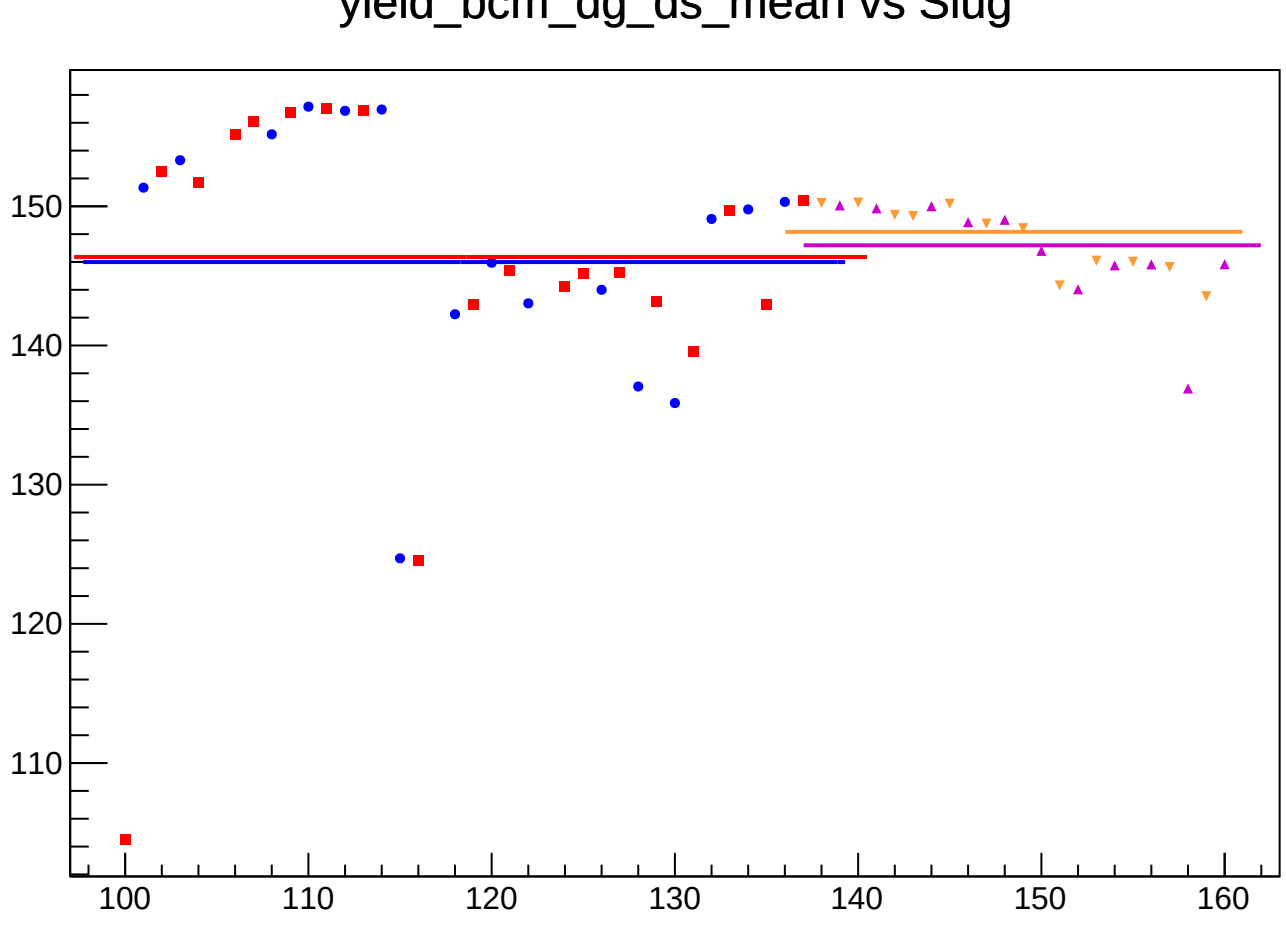
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.399+/-0.000 χ^2/NDF:559674.5/10

+ sign 0.363+/-0.000 χ^2/NDF: 2120160.3/27

All: 0.367+/-0.000 χ^2/NDF: 4149081.0/57

- 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: 148.164+/-0.000 χ^2/NDF:296453178.5/11

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

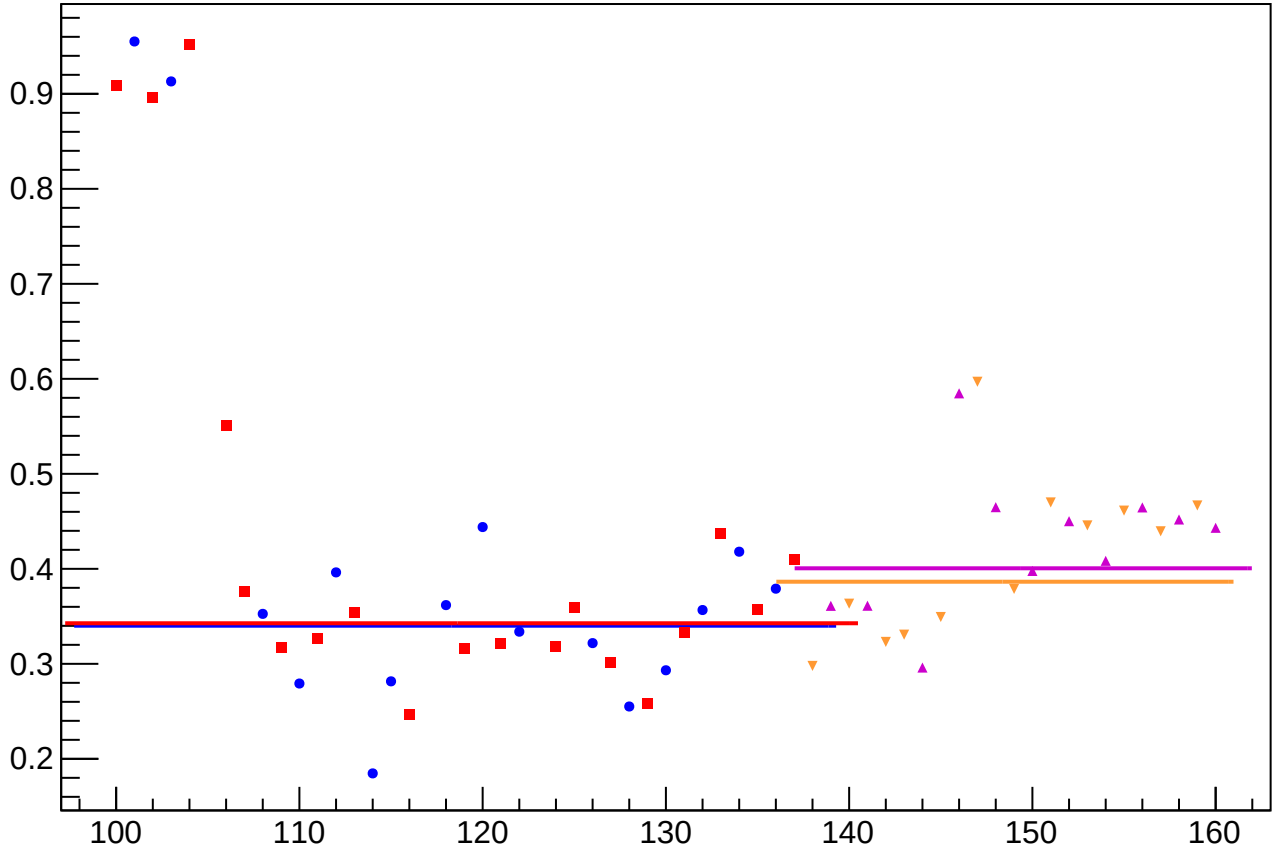
Left In: 147.199+/-0.000 χ^2/NDF:670945530.6/10

+ sign 147.149+/-0.000 χ^2/NDF: 4046710970.6/27

All: 146.972+/-0.000 χ^2/NDF: 8706517294.4

- 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: 0.386+/-0.000 χ^2/NDF:610293.6/11

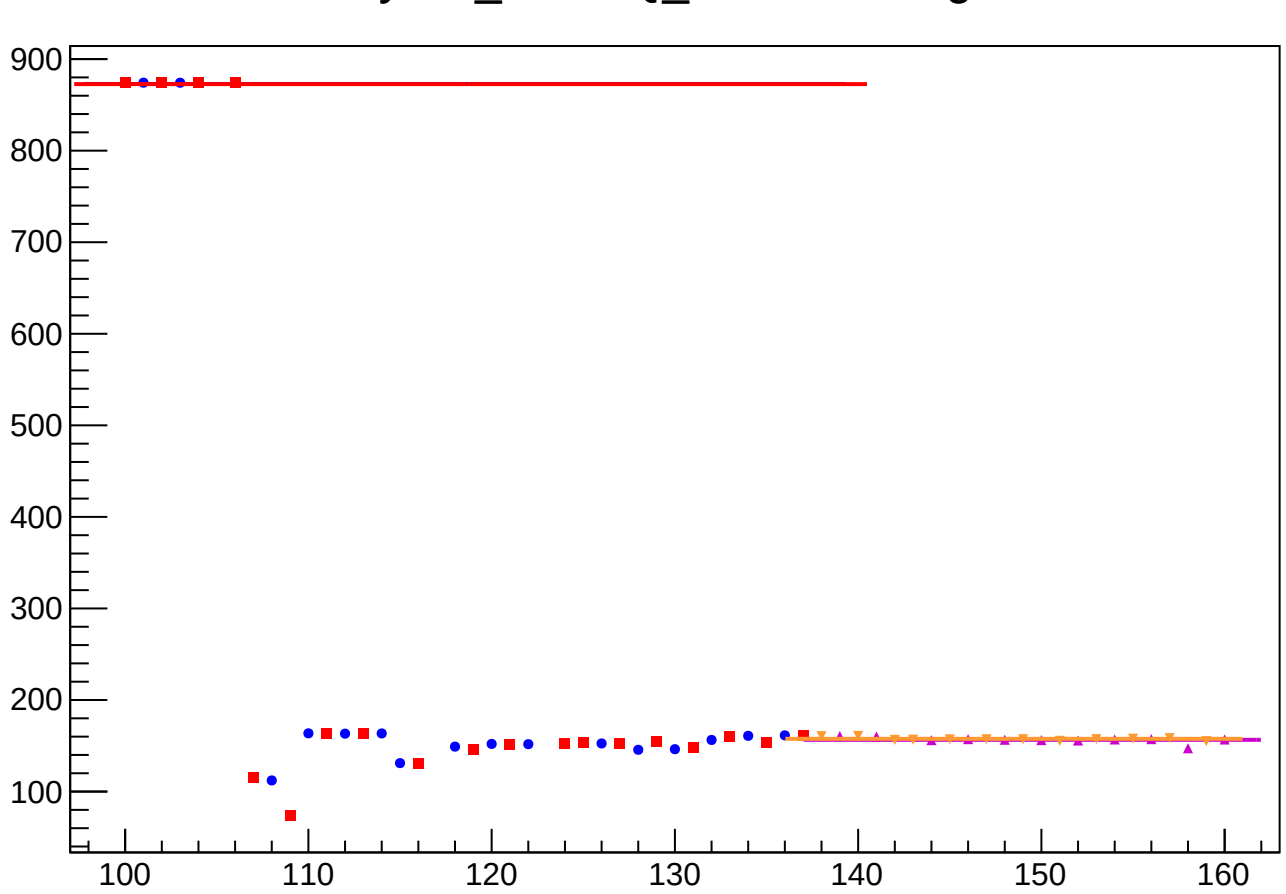
Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.401+/-0.000 χ^2/NDF:534457.9/10

+ sign 0.365+/-0.000 χ^2/NDF: 2120364.9/27

All: 0.369+/-0.000 χ^2/NDF: 4110273.1/57

- sign 0.372+/-0.000 χ^2/NDF: 1983494.4/29



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.624+/-0.000 χ^2/NDF:50190864.0/11

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

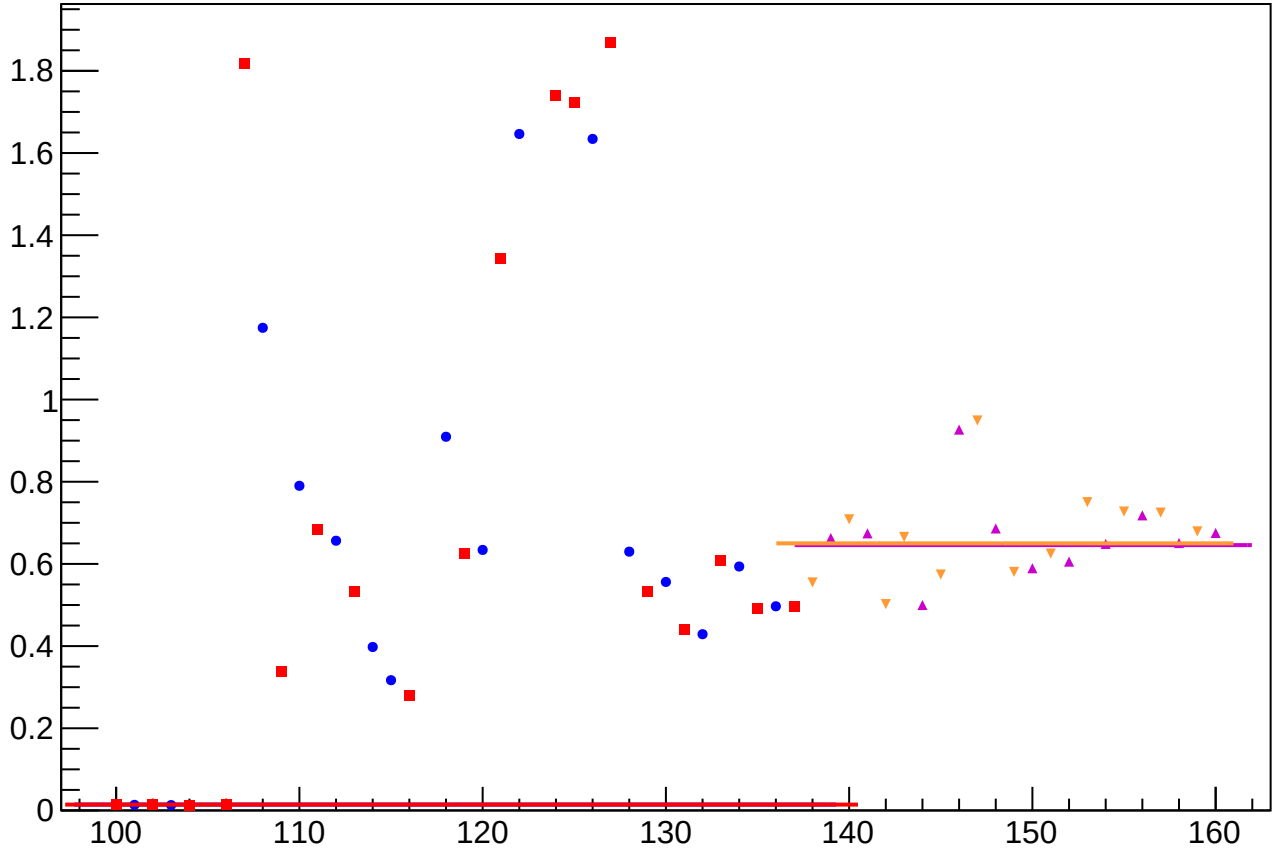
Left In: 156.525+/-0.000 χ^2/NDF:163933748.4/10

+ sign 871.362+/-0.000 χ^2/NDF: 14629831681922.

All: 871.364+/-0.000 χ^2/NDF: 31493960375

- sign 871.367+/-0.000 χ^2/NDF: 16864128619305.

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.650+/-0.000 χ^2/NDF:271878.0/11

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

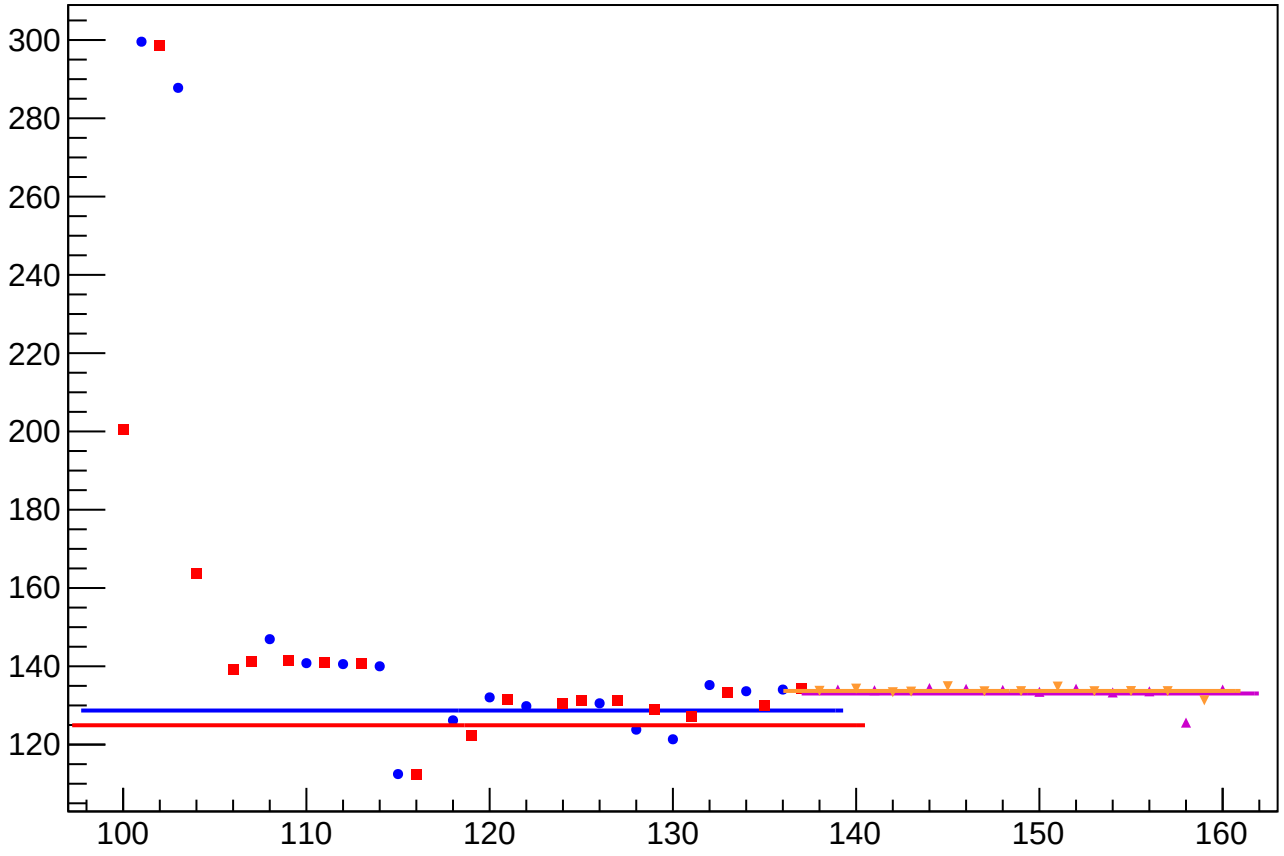
Left In: 0.646+/-0.000 χ^2/NDF:219605.4/10

+ sign 0.016+/-0.000 χ^2/NDF: 21646588.5/27

All: 0.016+/-0.000 χ^2/NDF: 43247365.9/57

- 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: 133.705+/-0.000 χ^2/NDF:31526121.3/11

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

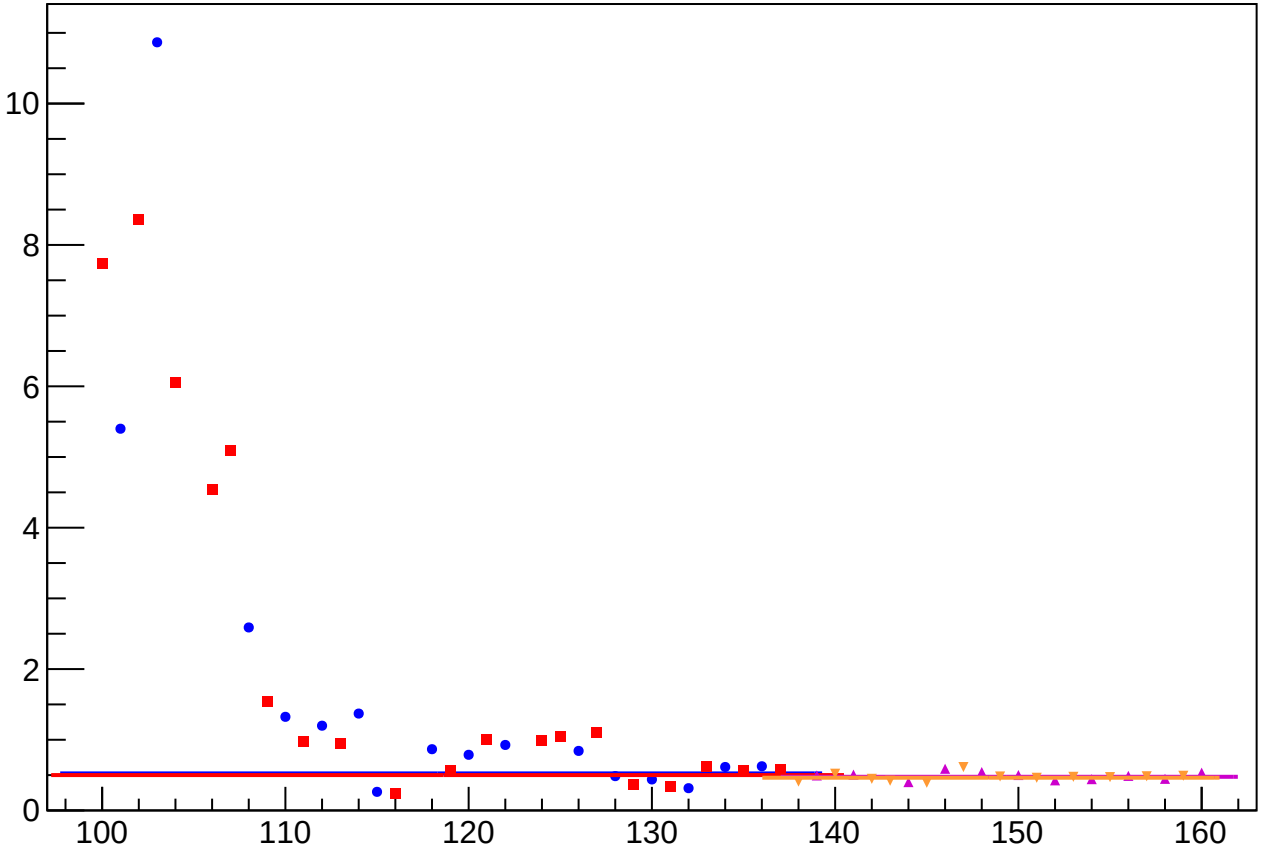
Left In: 133.054+/-0.000 χ^2/NDF:242689931.5/10

+ sign 132.402+/-0.000 χ^2/NDF: 1935264835.0/27

All: 131.603+/-0.000 χ^2/NDF: 4308608777.3

- 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: 0.463+/-0.000 χ^2/NDF:194895.9/11

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

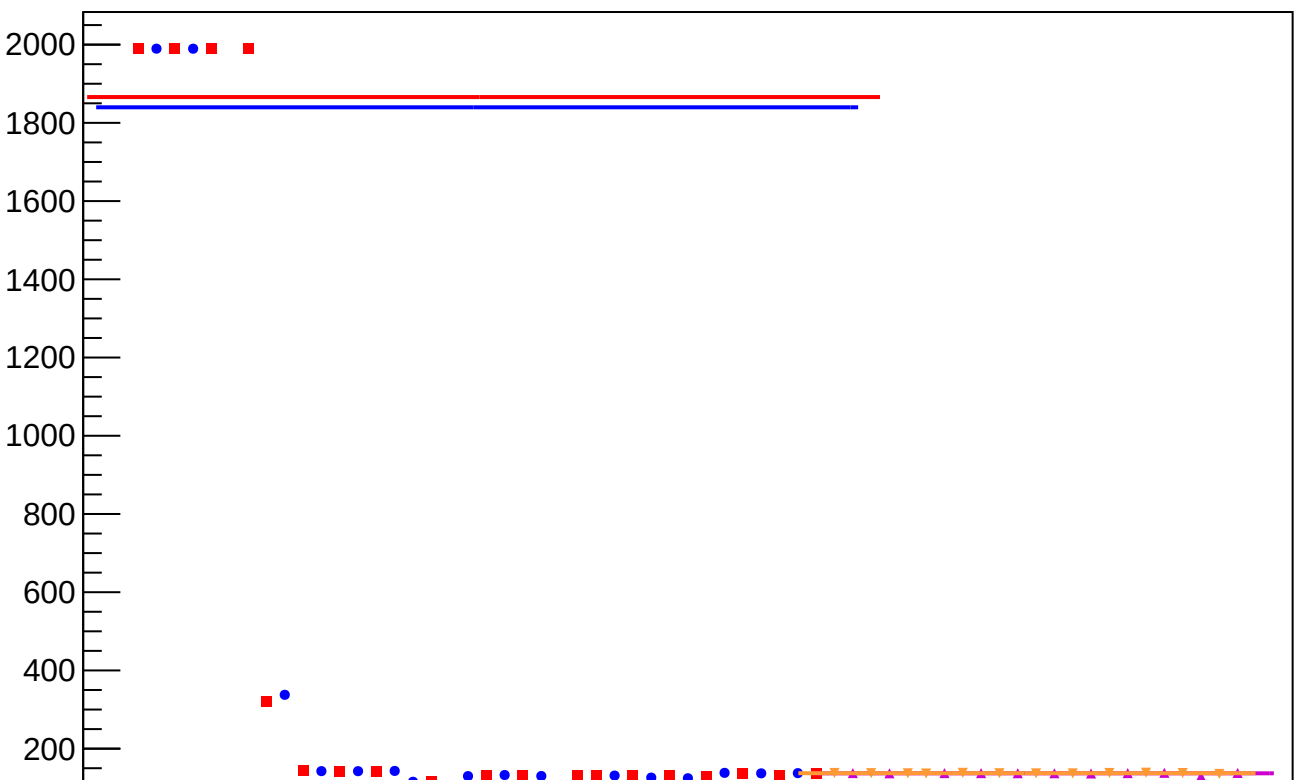
Left In: 0.476+/-0.000 χ^2/NDF:209183.9/10

+ sign 0.479+/-0.000 χ^2/NDF: 4406588.4/27

All: 0.481+/-0.000 χ^2/NDF: 9512658.2/57

- 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: 137.229+/-0.000 χ^2/NDF:35741417.2/11

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

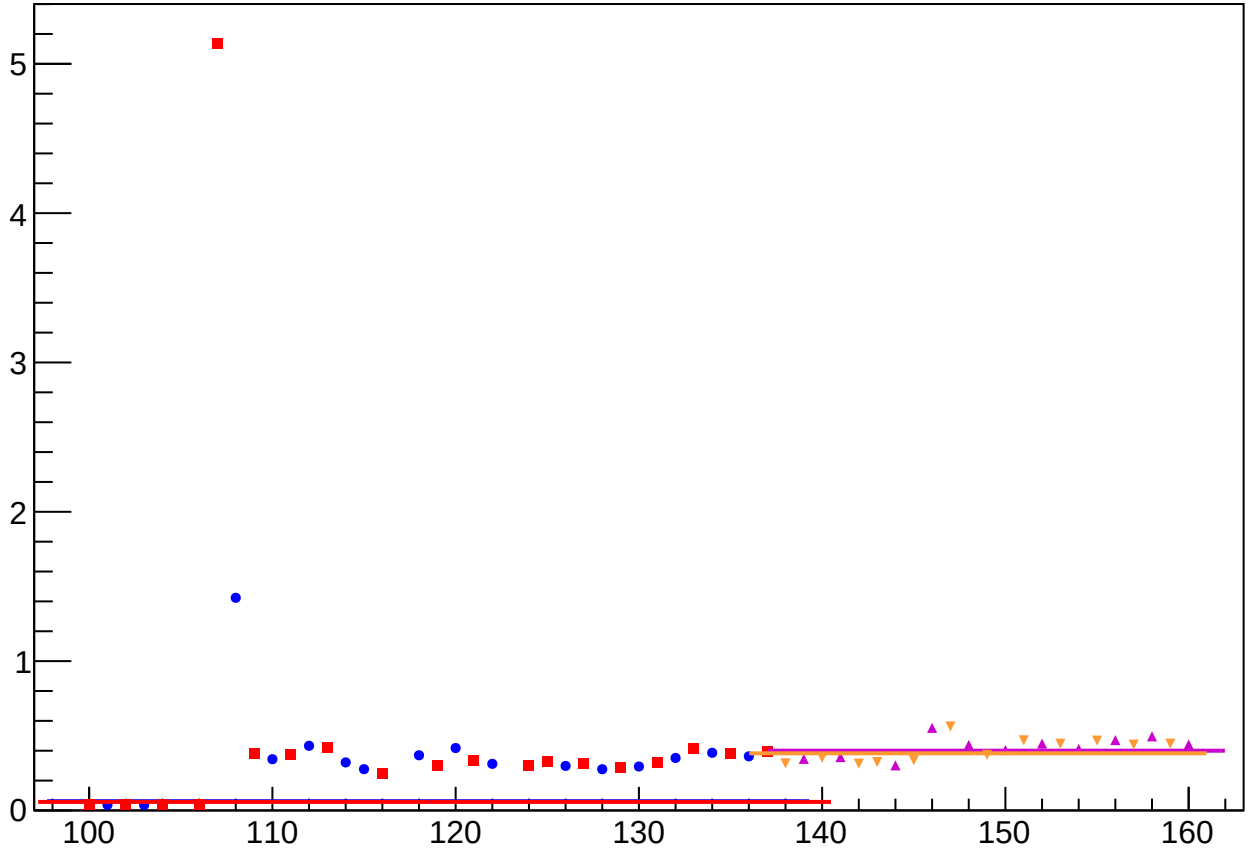
Left In: 136.965+/-0.000 χ^2/NDF:201130550.3/10

+ sign 1676.772+/-0.000 χ^2/NDF: 3042003727991

All: 1706.798+/-0.000 χ^2/NDF: 6010774021

- 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: 0.383+/-0.000 χ^2/NDF:562060.6/11

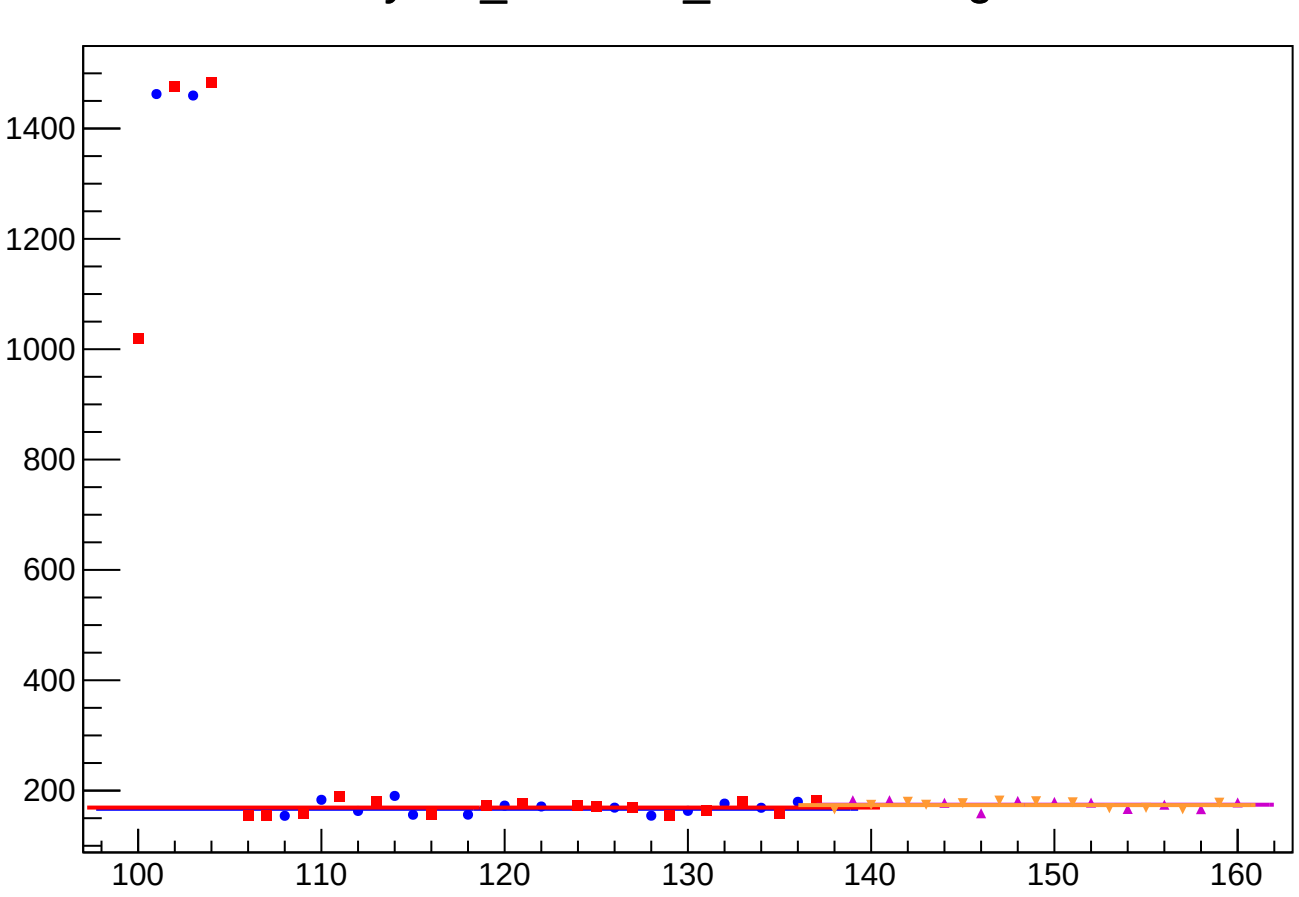
Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.400+/-0.000 χ^2/NDF:522680.9/10

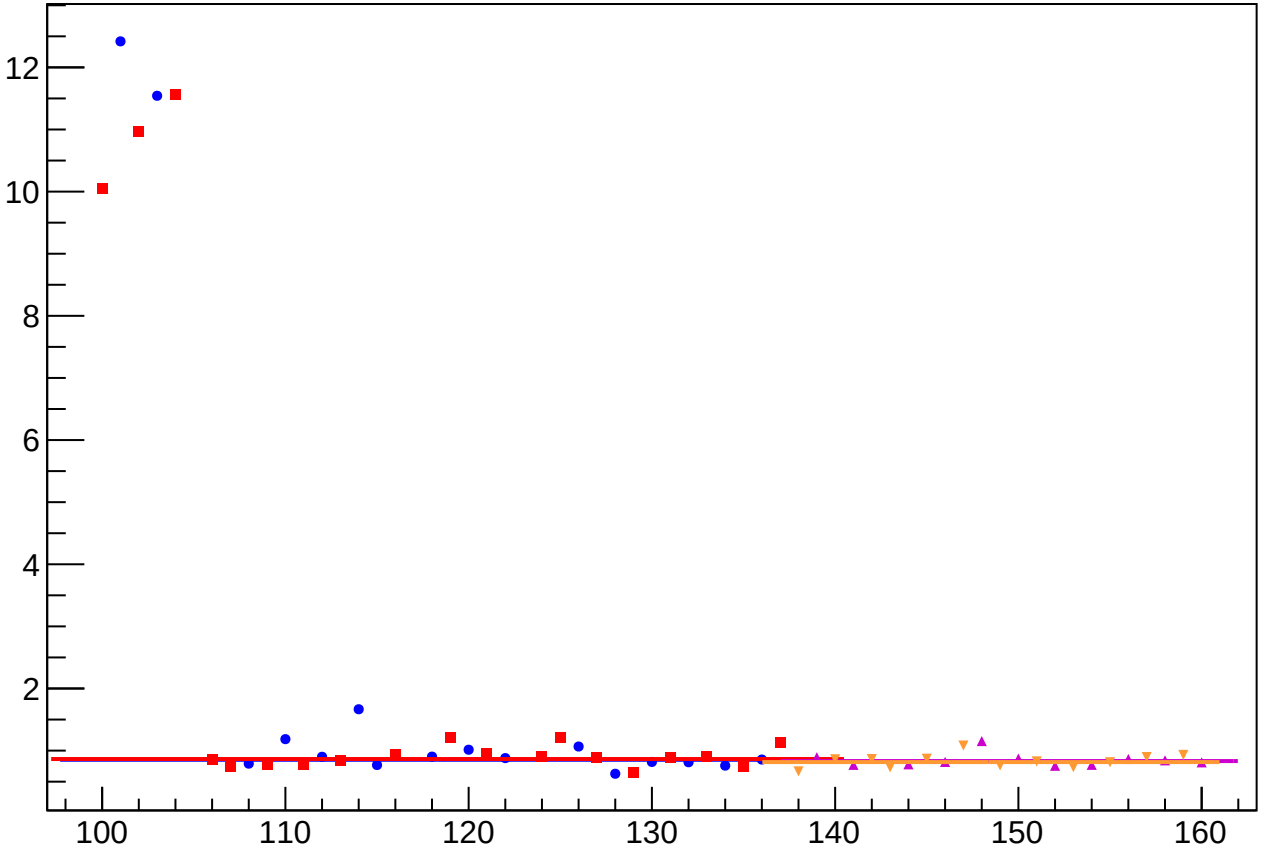
+ sign 0.092+/-0.000 χ^2/NDF: 19980161.8/27

All: 0.088+/-0.000 χ^2/NDF: 40332949.7/57

- sign 0.084+/-0.000 χ^2/NDF: 20300075.7/29


yield_bcm0l02_mean vs Slug
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 167.017+/-0.000 χ²/NDF: 14614977518.5/15
Left Out: 173.719+/-0.000 χ²/NDF:271458957.8/11
Right Out: 169.257+/-0.000 χ²/NDF: 16317542946.8/18
Left In: 174.444+/-0.000 χ²/NDF:498413761.0/10
+ sign 171.161+/-0.000 χ²/NDF: 15033533771.3/27
All: 171.783+/-0.000 χ²/NDF: 31949189272.
- sign 172.405+/-0.000 χ²/NDF: 16904926924.7/29

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.815+/-0.000 χ^2/NDF:175041.7/11

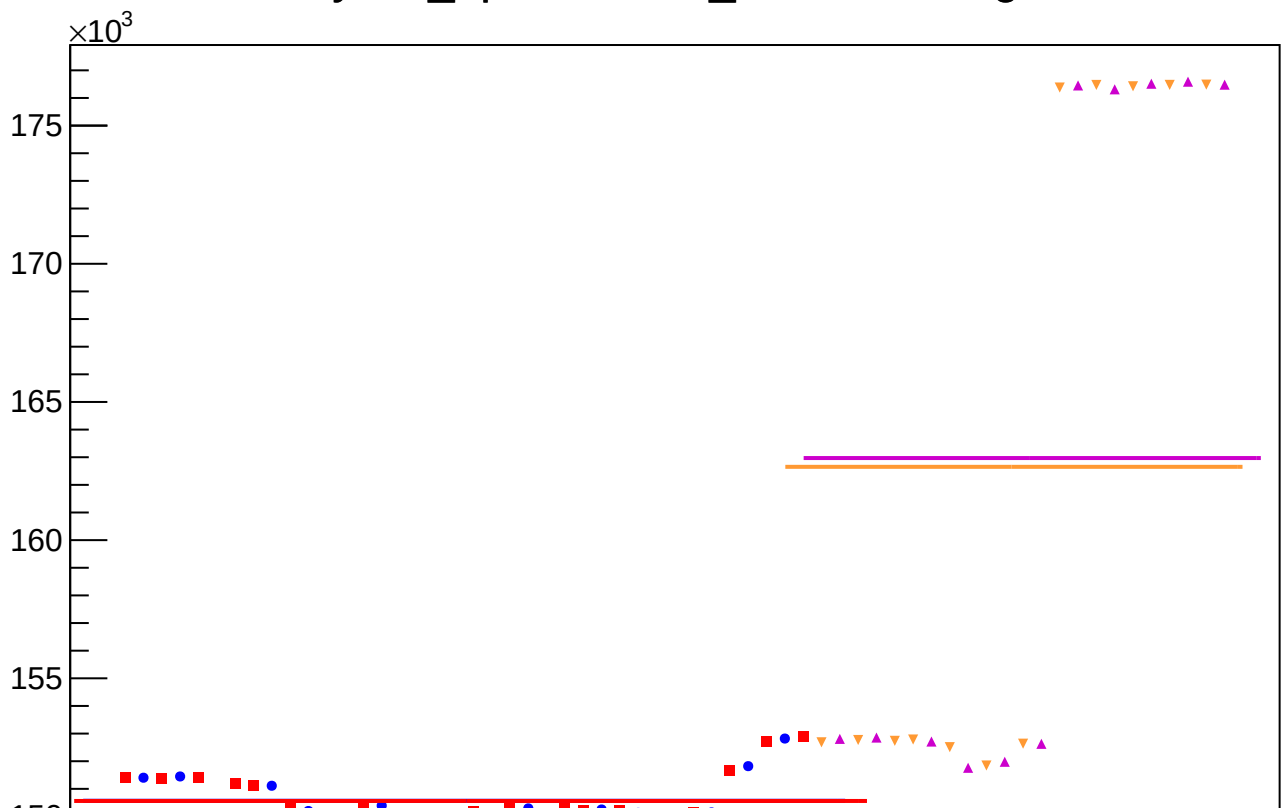
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.832+/-0.000 χ^2/NDF:132070.8/10

+ sign 0.830+/-0.000 χ^2/NDF: 2486601.0/27

All: 0.837+/-0.000 χ^2/NDF: 4837981.0/57

- 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: 162652.751+/-0.058 χ^2/NDF:41008968947.9/11

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

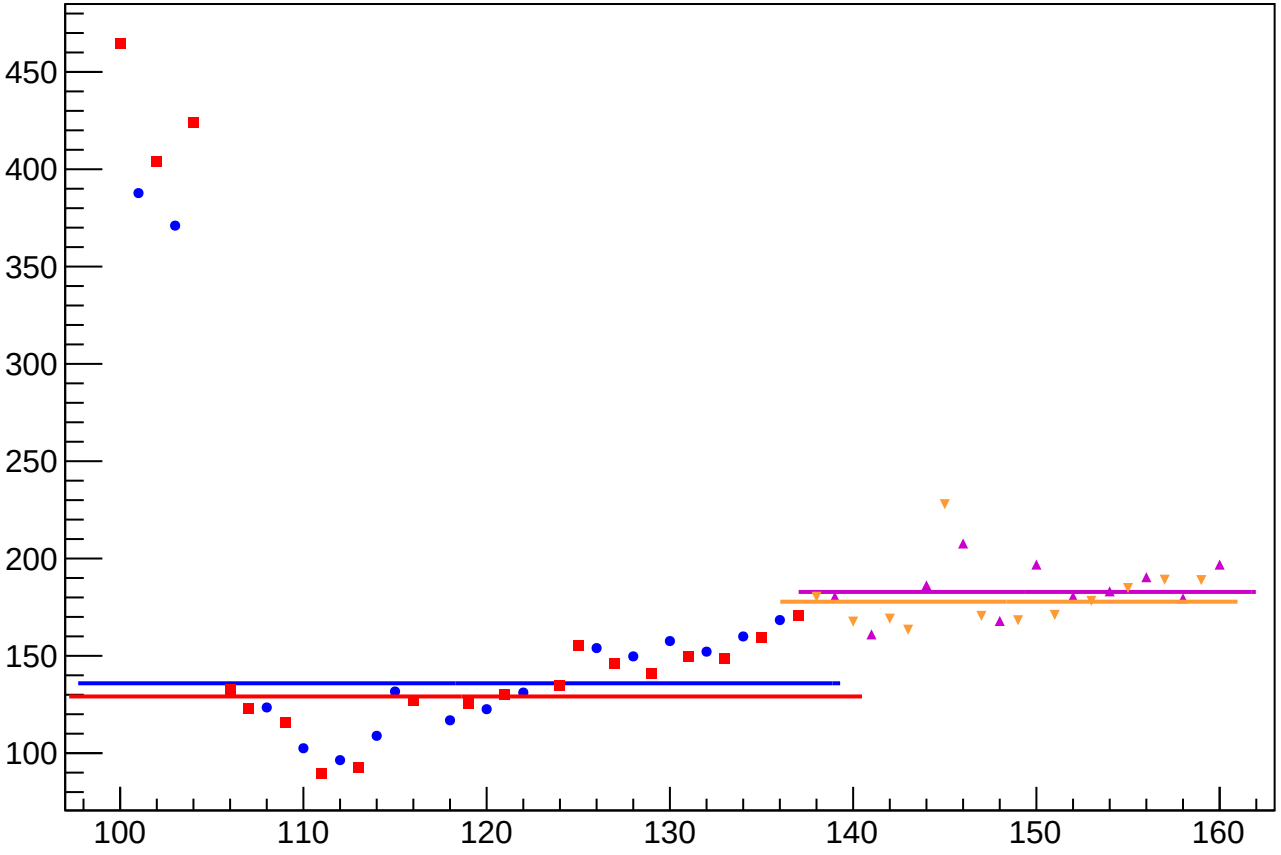
Left In: 162970.434+/-0.060 χ^2/NDF:39636251368.7/10

+ sign 156218.456+/-0.040 χ^2/NDF: 64138734795.

All: 155997.140+/-0.028 χ^2/NDF: 12898145

- sign 155787.450+/-0.039 χ^2/NDF: 64782651990.

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 177.817+/-0.041 χ^2/NDF:123799.5/11

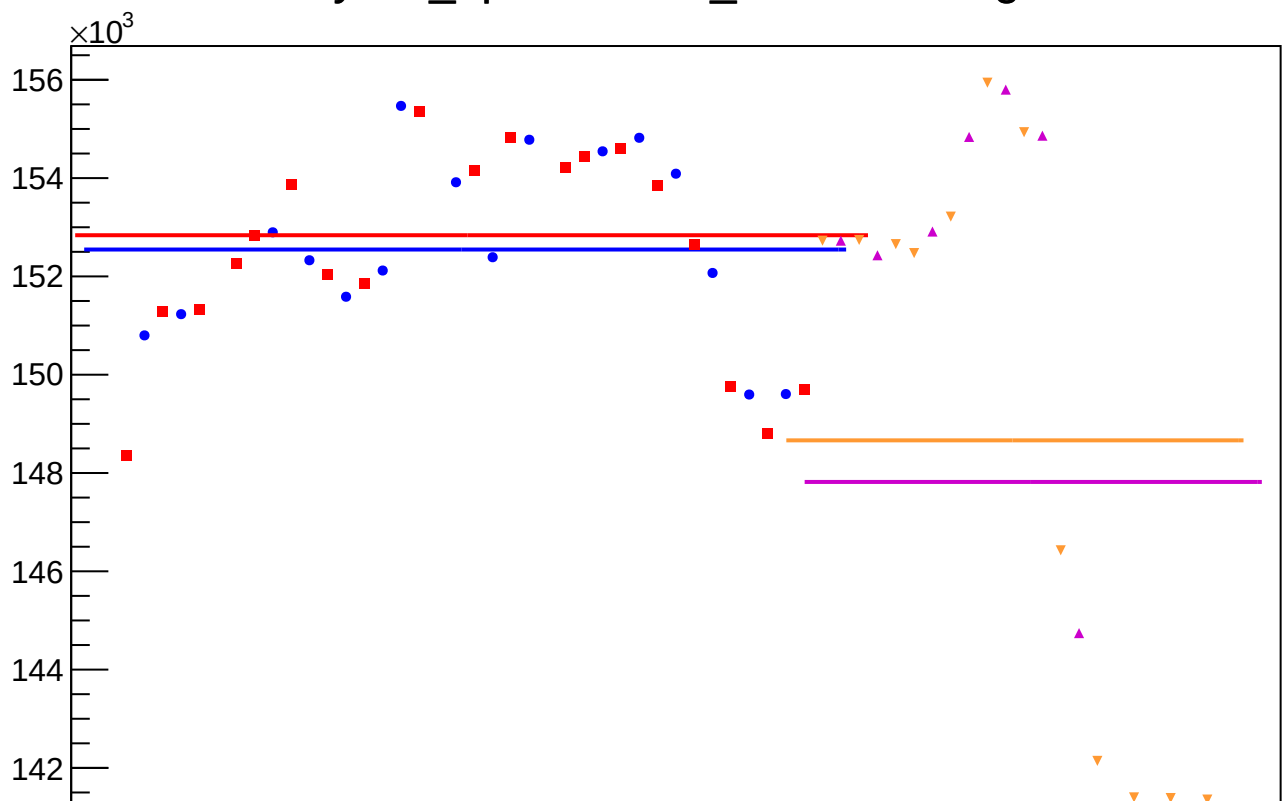
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 182.829+/-0.042 χ^2/NDF:91904.6/10

+ sign 155.496+/-0.028 χ^2/NDF: 2091147.3/27

All: 153.570+/-0.020 χ^2/NDF: 4740884.3/57

- 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: 148664.309+/-0.065 χ^2/NDF:7235084631.6/11

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

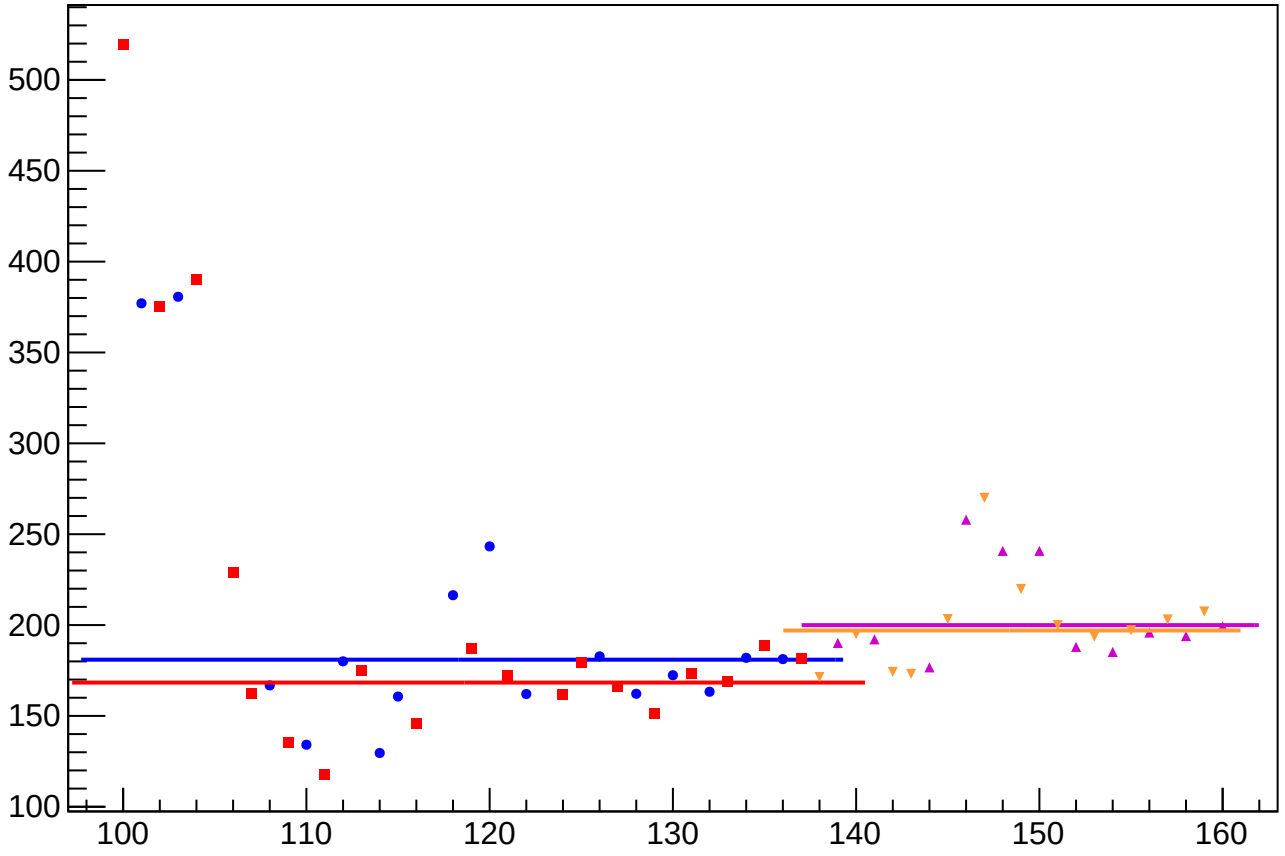
Left In: 147818.174+/-0.066 χ^2/NDF:8392476142.3/10

+ sign 150391.188+/-0.048 χ^2/NDF: 9476914114.9

All: 150342.327+/-0.034 χ^2/NDF: 21479043

- sign 150296.618+/-0.047 χ^2/NDF: 12000158644.

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 197.019+/-0.046 χ^2/NDF:224231.1/11

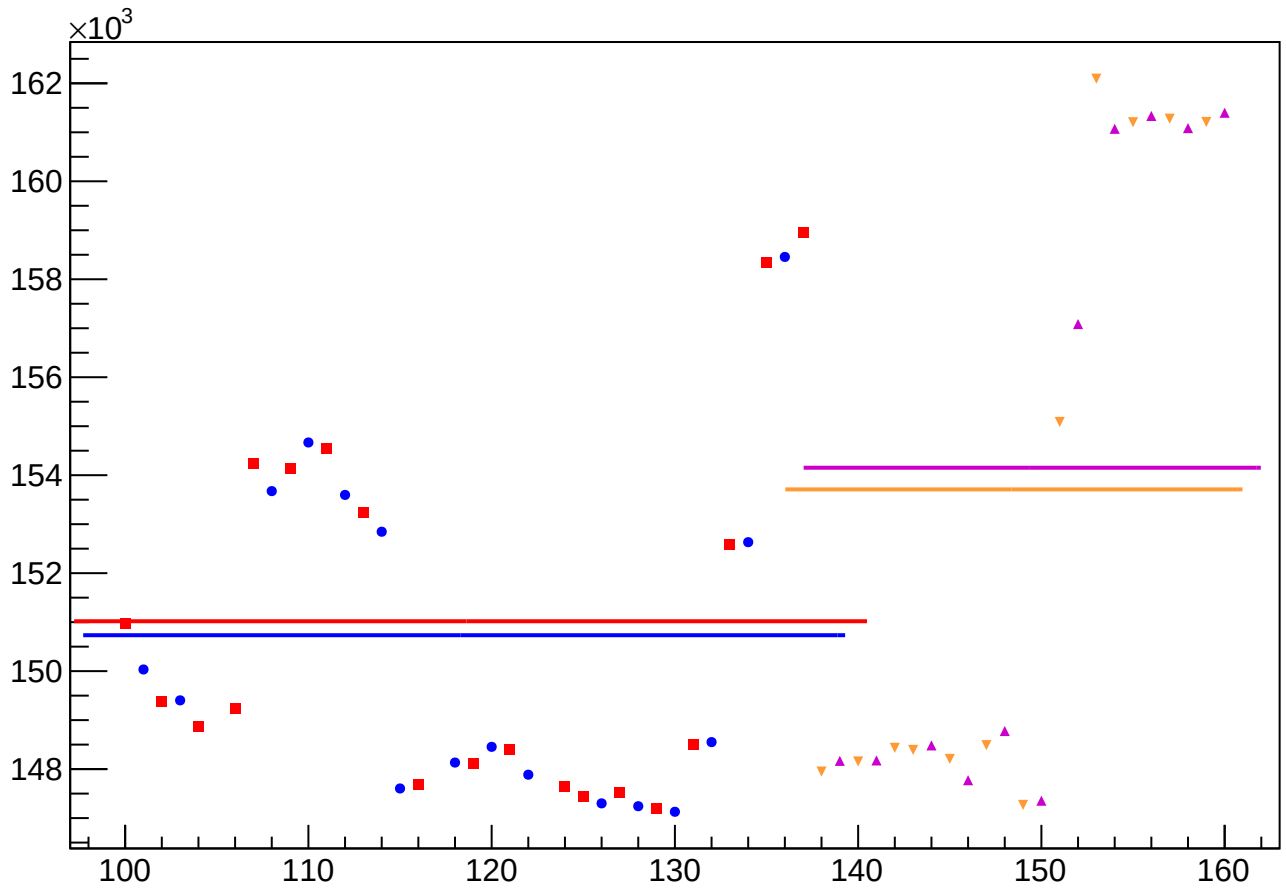
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 199.958+/-0.047 χ^2/NDF:244301.3/10

+ sign 189.867+/-0.034 χ^2/NDF: 1186445.2/27

All: 187.017+/-0.024 χ^2/NDF: 2760906.8/57

- 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: 153710.547+/-0.062 χ^2/NDF:10177309221.3/11

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

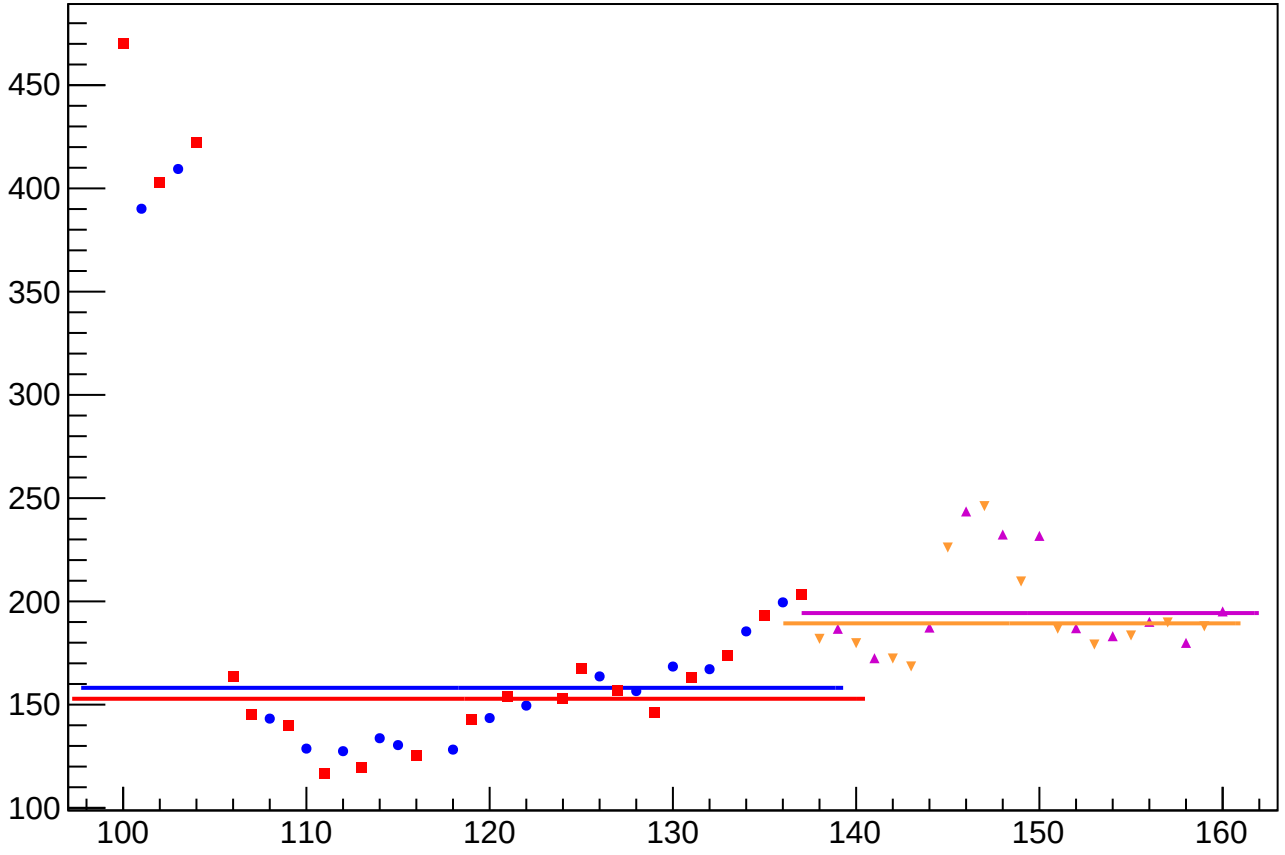
Left In: 154152.591+/-0.064 χ^2/NDF:9547949795.0/10

+ sign 152238.582+/-0.044 χ^2/NDF: 14593947277.

All: 152366.827+/-0.031 χ^2/NDF: 28725172

- sign 152492.113+/-0.044 χ^2/NDF: 14114602941.

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 189.363+/-0.044 χ^2/NDF:192674.1/11

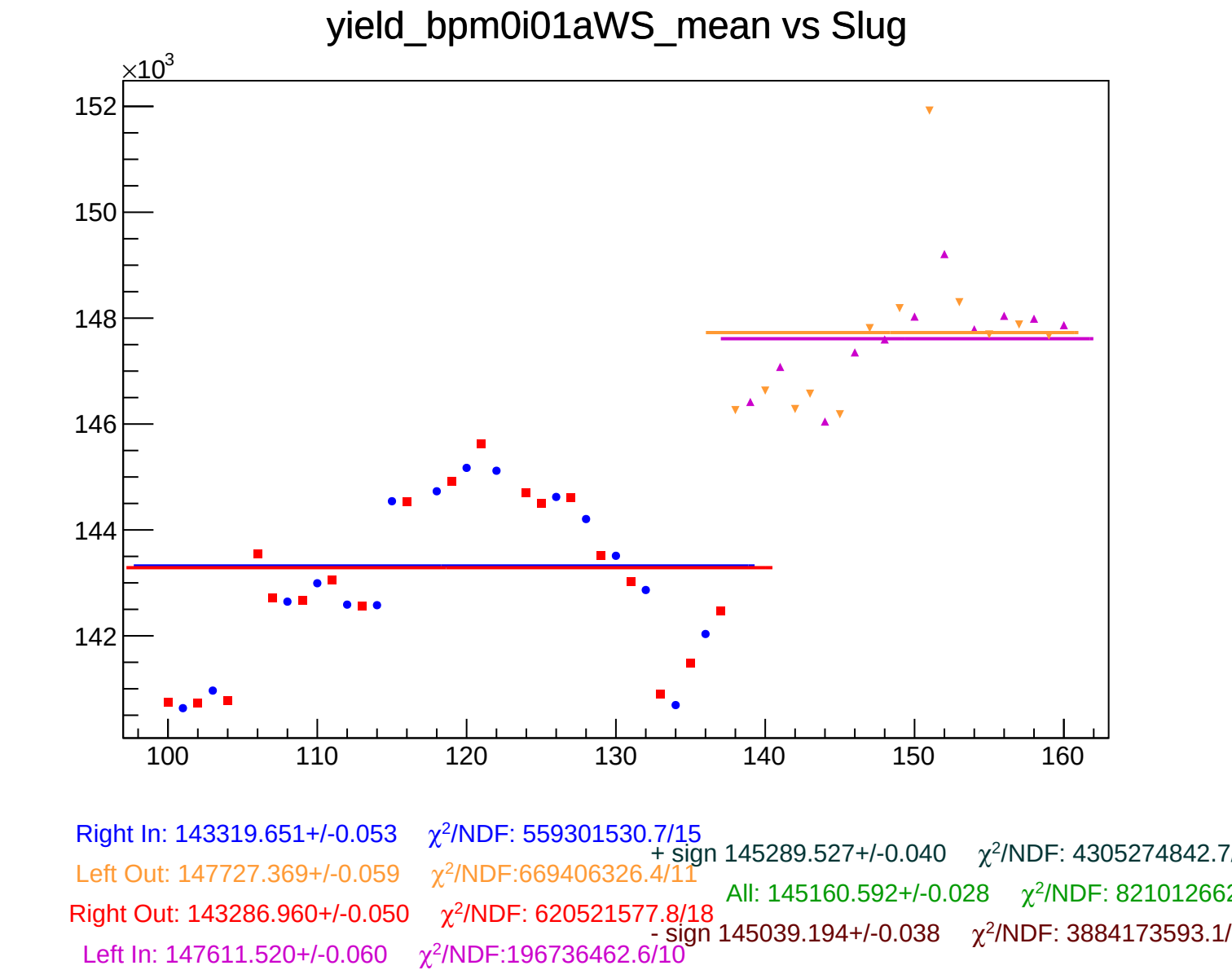
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 194.343+/-0.045 χ^2/NDF:216948.4/10

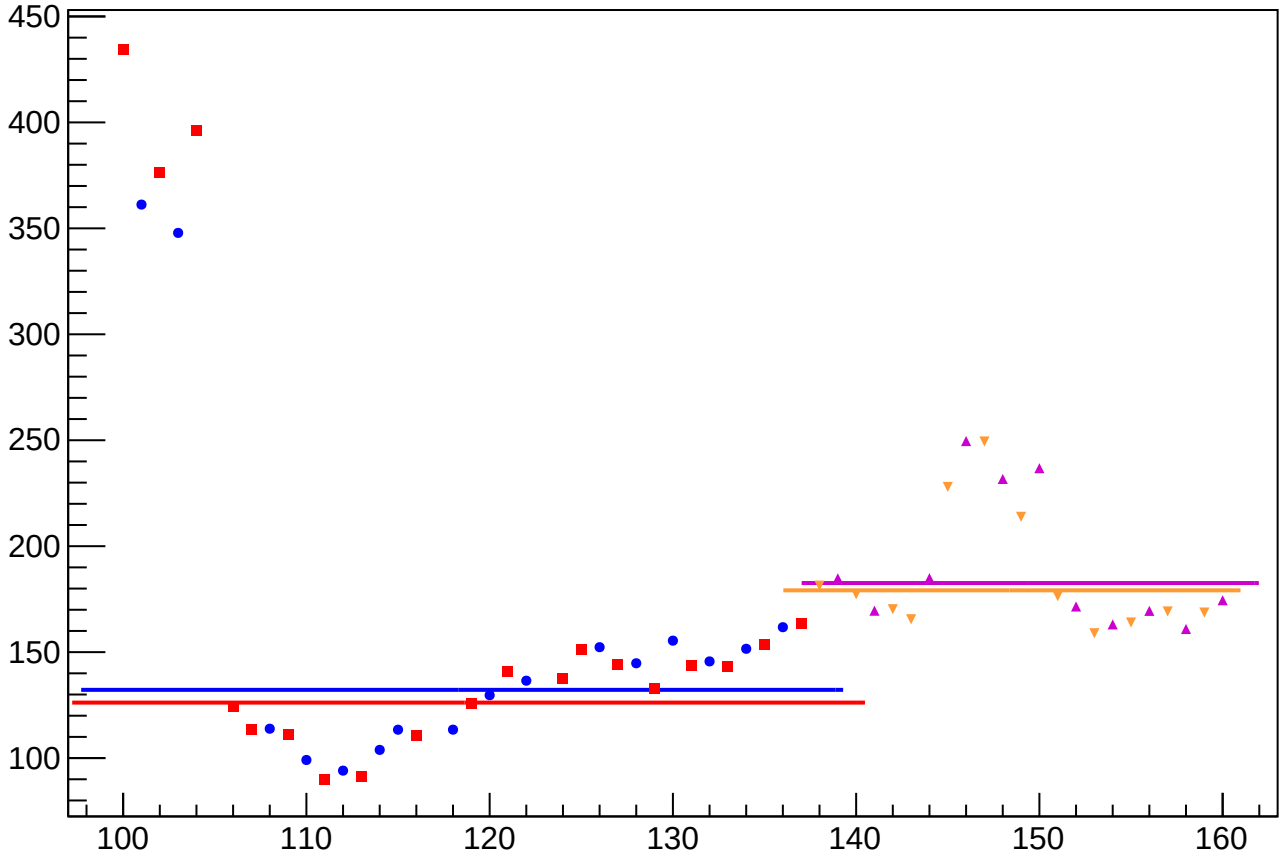
+ sign 173.925+/-0.031 χ^2/NDF: 1637575.5/27

All: 173.131+/-0.022 χ^2/NDF: 3569128.7/57

- sign 172.355+/-0.031 χ^2/NDF: 1930278.3/29


yield_bpm0i01aWS_mean vs Slug
×10^3
152
150
148
146
144
142
100
110
120
130
140
150
160
Right In: 143319.651+/-0.053 χ²/NDF: 559301530.7/15
Left Out: 147727.369+/-0.059 χ²/NDF:669406326.4/11
Right Out: 143286.960+/-0.050 χ²/NDF: 620521577.8/18
Left In: 147611.520+/-0.060 χ²/NDF:196736462.6/10
+ sign 145289.527+/-0.040 χ²/NDF: 4305274842.7
All: 145160.592+/-0.028 χ²/NDF: 821012662
- sign 145039.194+/-0.038 χ²/NDF: 3884173593.1/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 179.168+/-0.042 χ^2/NDF:312814.2/11

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 153.193+/-0.028 χ^2/NDF: 2390525.4/27

All: 151.061+/-0.019 χ^2/NDF: 5371068.4/57

- 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: 120096.125+/-0.057 χ^2/NDF:1751063046.0/11

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

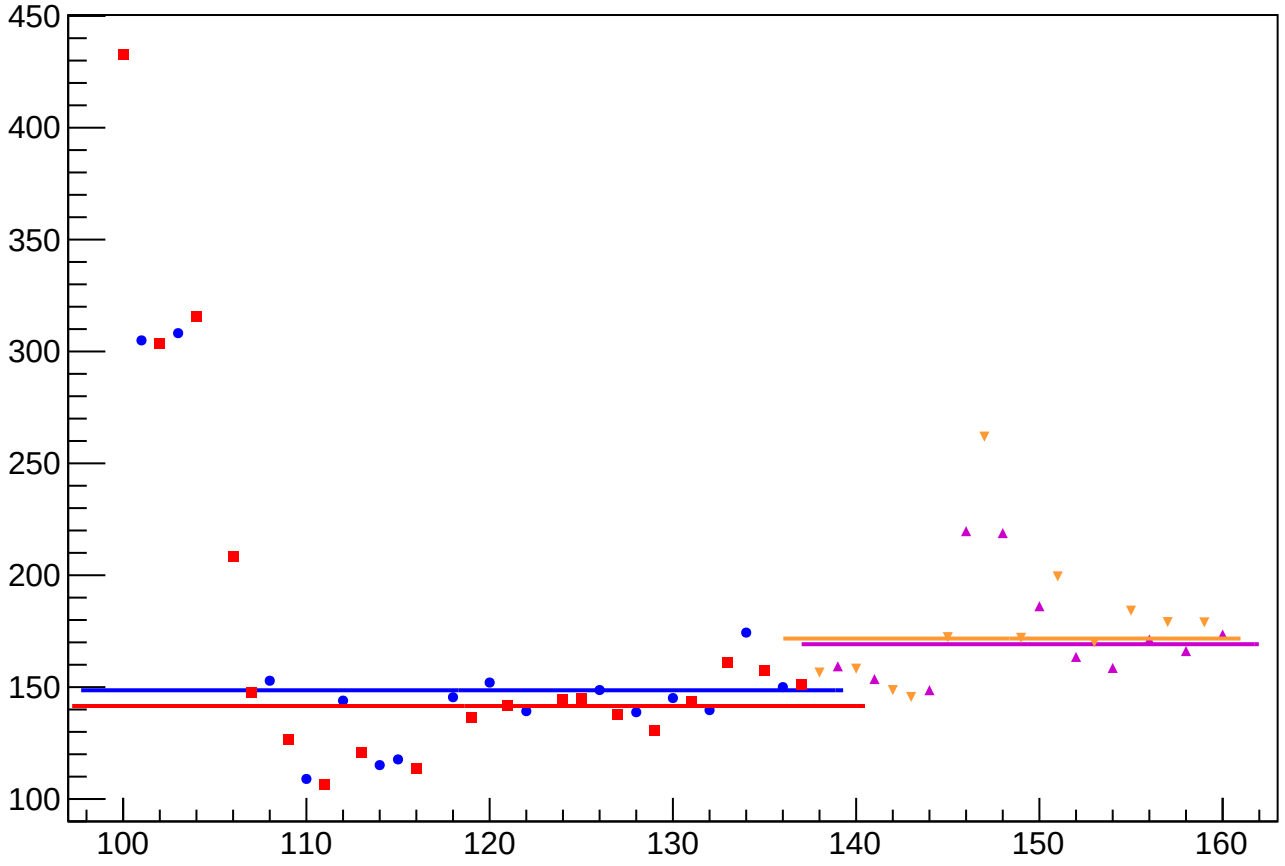
Left In: 119979.107+/-0.056 χ^2/NDF:1143818556.2/10

+ sign 123819.526+/-0.041 χ^2/NDF: 10519868630.5

All: 123878.383+/-0.028 χ^2/NDF: 21555417

- 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: 171.712+/-0.040 χ^2/NDF:332964.5/11

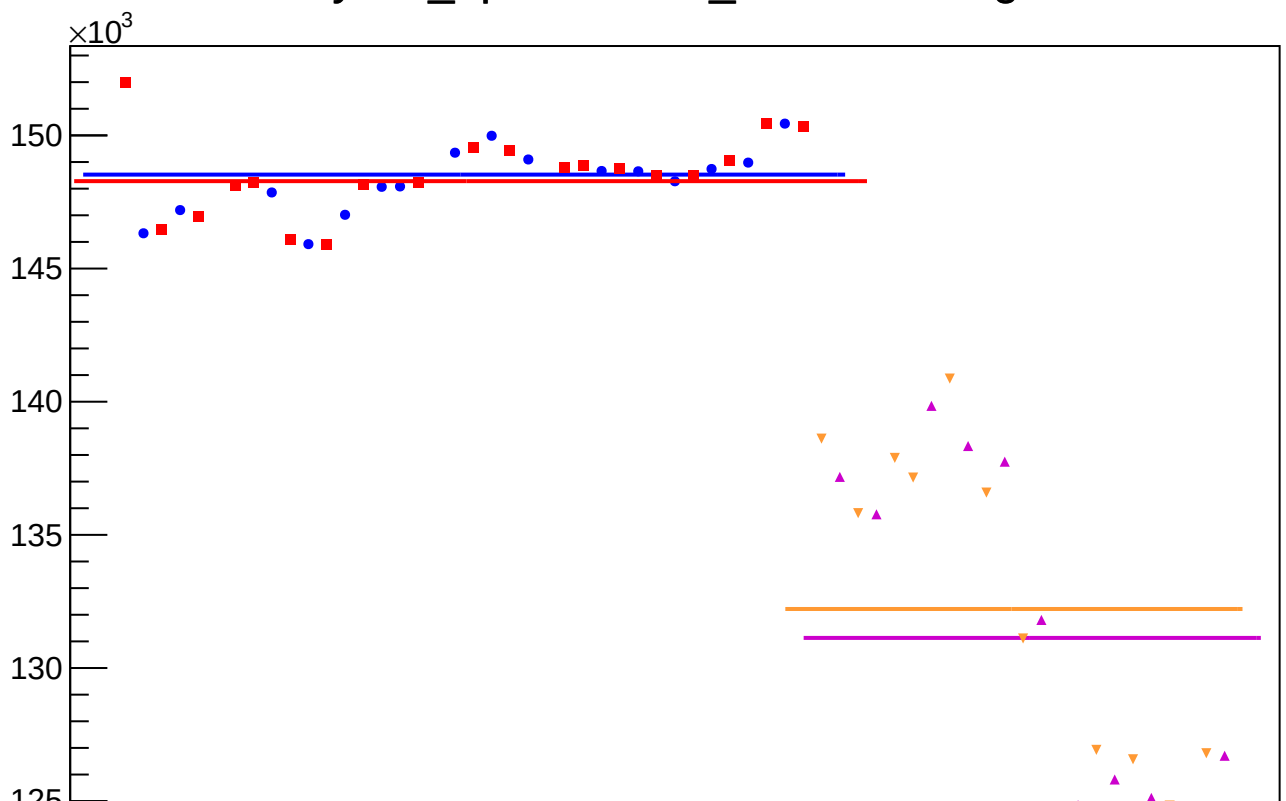
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 169.182+/-0.040 χ^2/NDF:257270.5/10

+ sign 160.399+/-0.029 χ^2/NDF: 1320641.9/27

All: 157.641+/-0.020 χ^2/NDF: 2844649.6/57

- 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: 132216.857+/-0.083 χ^2/NDF:4624810177.0/11

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

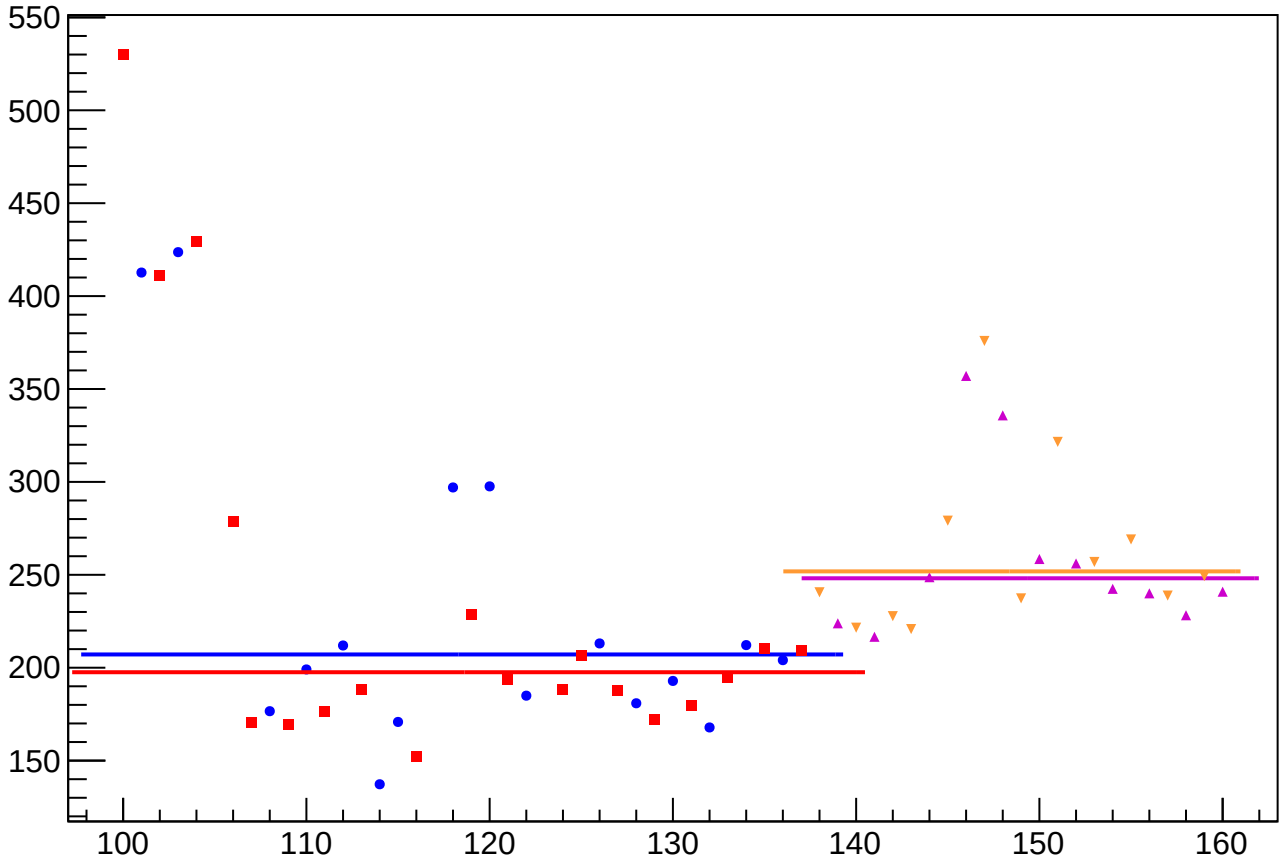
Left In: 131130.553+/-0.082 χ^2/NDF:5221708324.5/10

+ sign 140515.012+/-0.058 χ^2/NDF: 24299217555.

All: 140389.348+/-0.040 χ^2/NDF: 53228662

- 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: 251.842+/-0.059 χ^2/NDF:361691.8/11

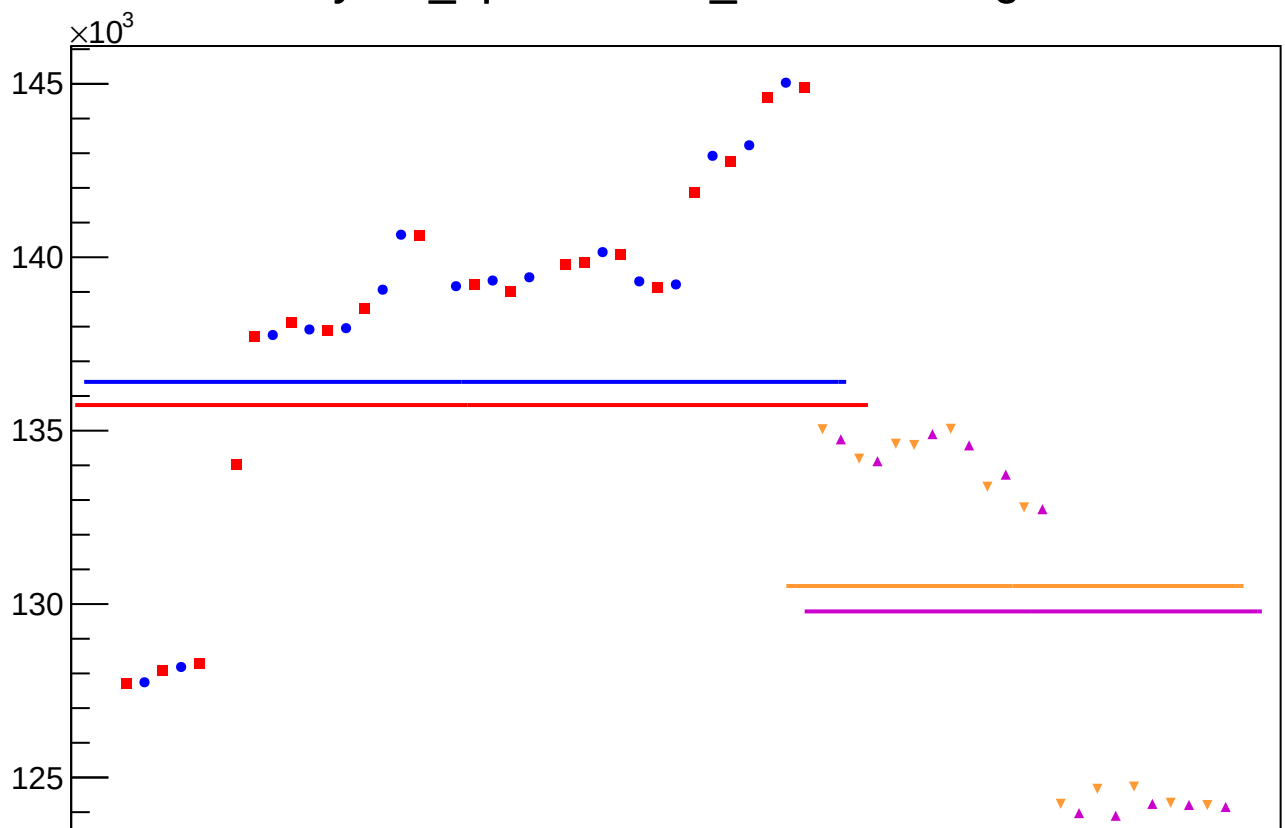
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 248.131+/-0.058 χ^2/NDF:351033.3/10

+ sign 229.097+/-0.041 χ^2/NDF: 1626387.6/27

All: 224.963+/-0.029 χ^2/NDF: 3307356.2/57

- 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: 130520.663+/-0.191 χ^2/NDF:661388919.6/11

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

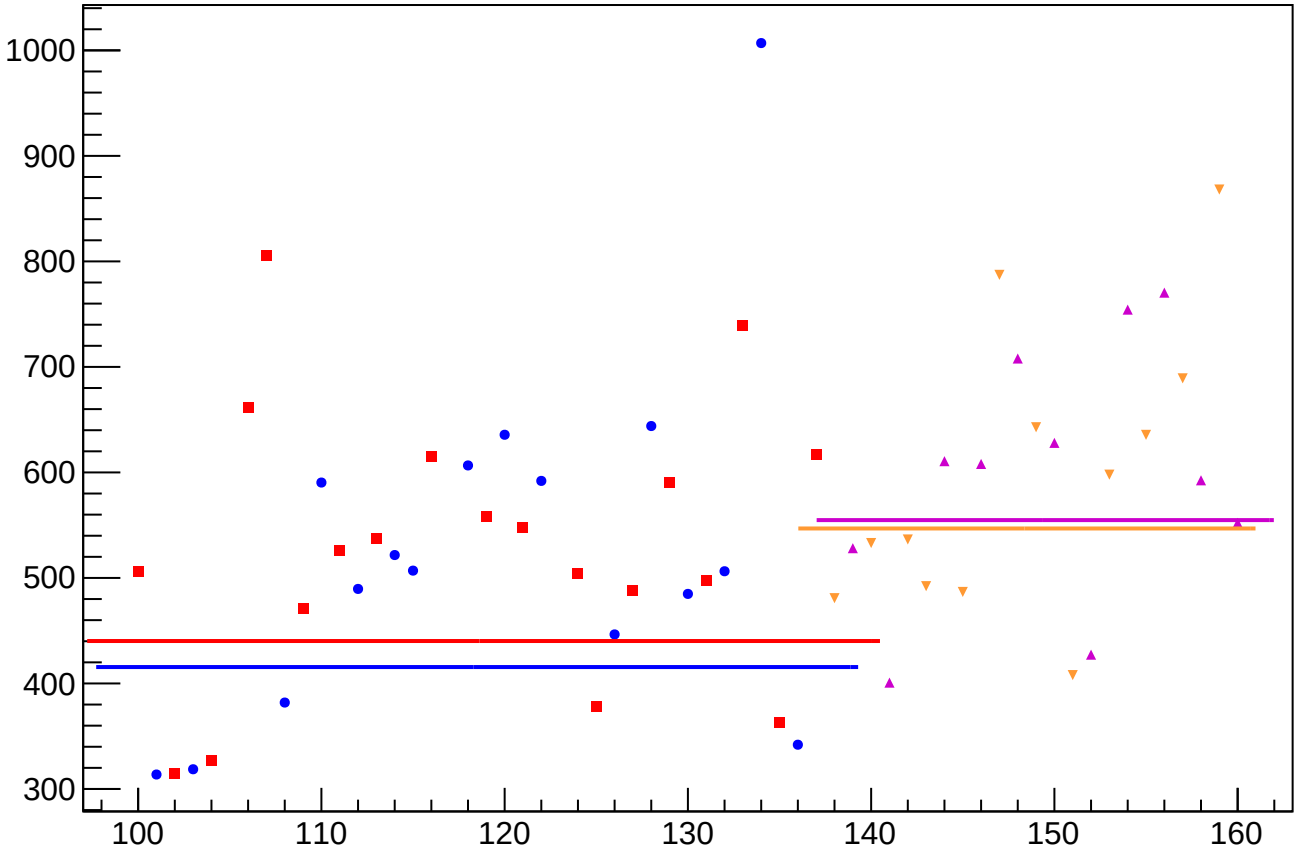
Left In: 129787.958+/-0.198 χ^2/NDF:648001998.4/10

+ sign 133829.374+/-0.126 χ^2/NDF: 2772354251.6

All: 133480.388+/-0.091 χ^2/NDF: 51132455

- 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: 546.880+/-0.135 χ^2/NDF:704878.6/11

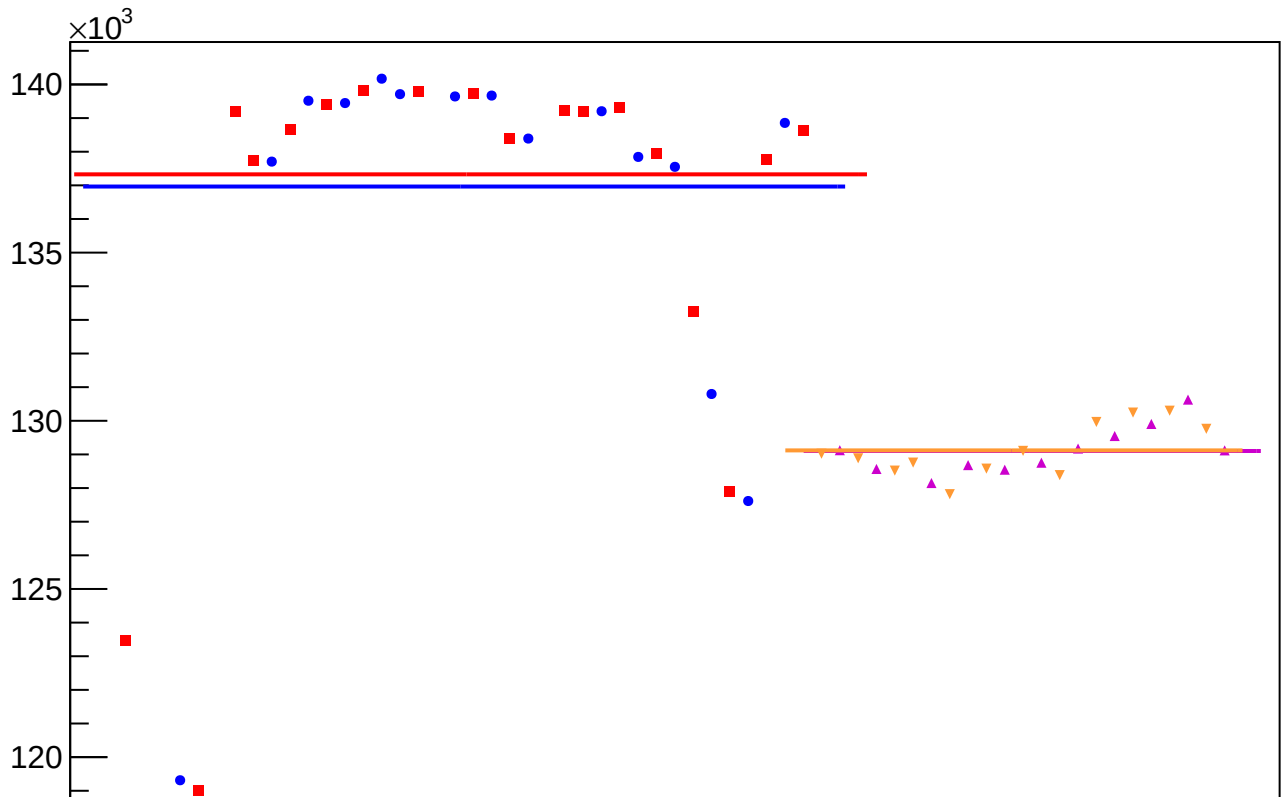
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 554.811+/-0.140 χ^2/NDF:674747.1/10

+ sign 473.057+/-0.089 χ^2/NDF: 2268036.1/27

All: 481.657+/-0.065 χ^2/NDF: 4245888.5/57

- 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: 129119.879+/-0.061 χ^2/NDF:145598731.6/11

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

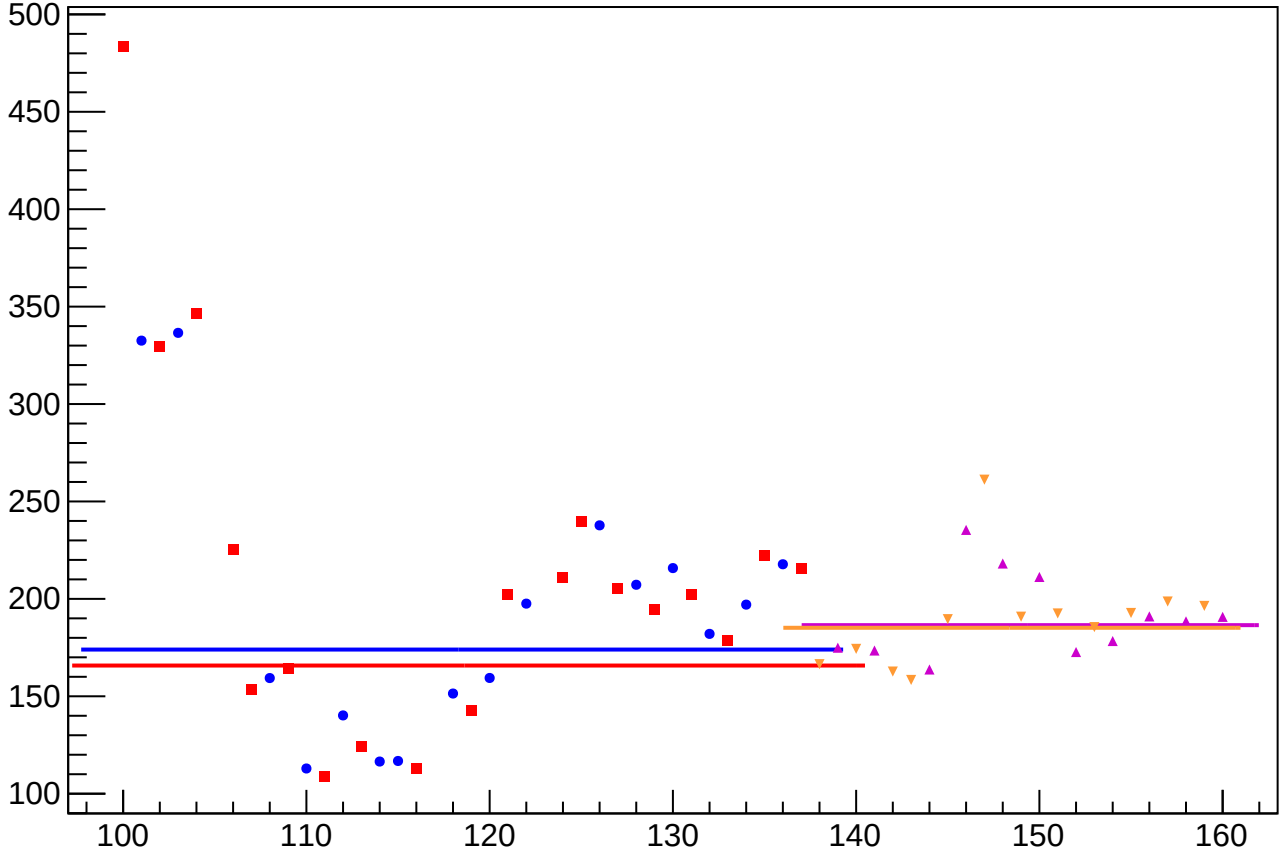
Left In: 129102.009+/-0.061 χ^2/NDF:125040839.5/10

+ sign 132532.362+/-0.046 χ^2/NDF: 13105728979.

All: 132741.695+/-0.032 χ^2/NDF: 27386677

- 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: 185.159+/-0.043 χ^2/NDF:245448.3/11

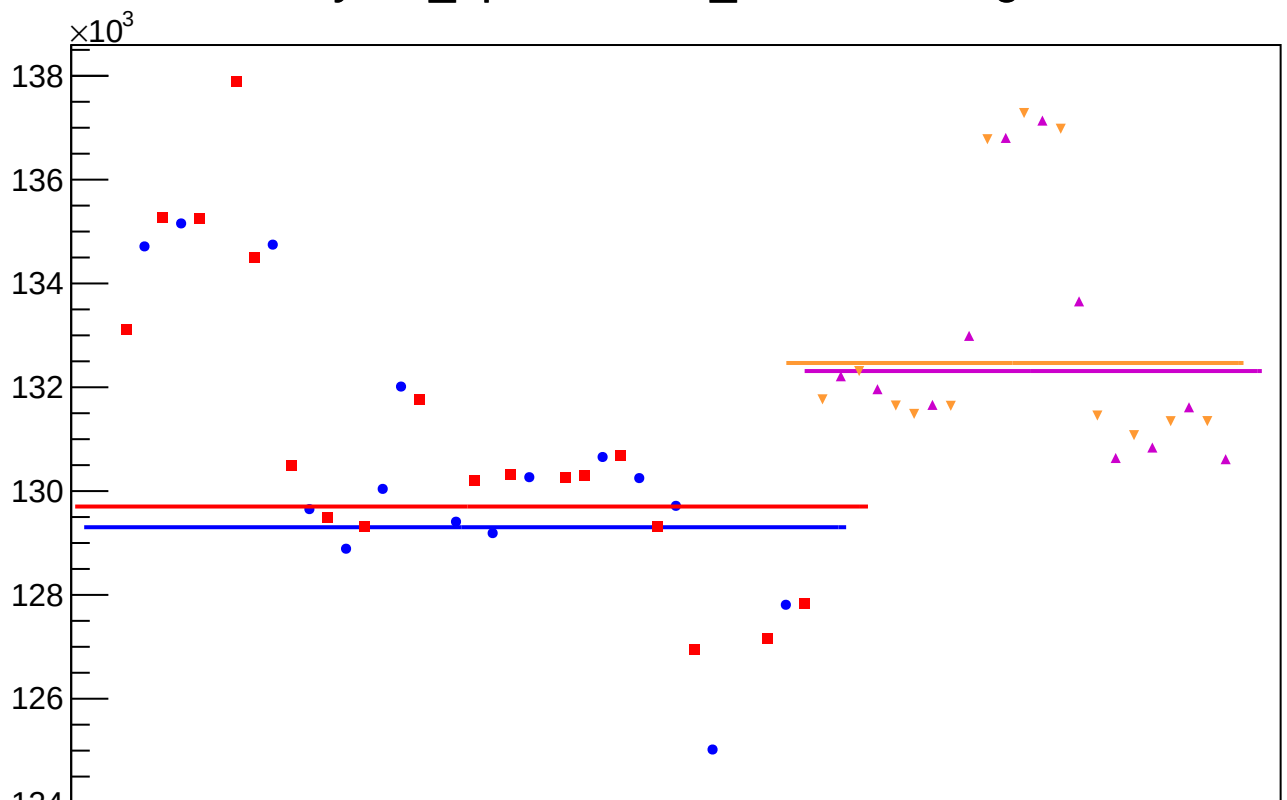
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 186.510+/-0.043 χ^2/NDF:201488.4/10

+ sign 180.297+/-0.033 χ^2/NDF: 1462976.2/27

All: 178.522+/-0.023 χ^2/NDF: 3209854.2/57

- 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: 132467.987+/-0.062 χ^2/NDF:1080475847.3/11

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

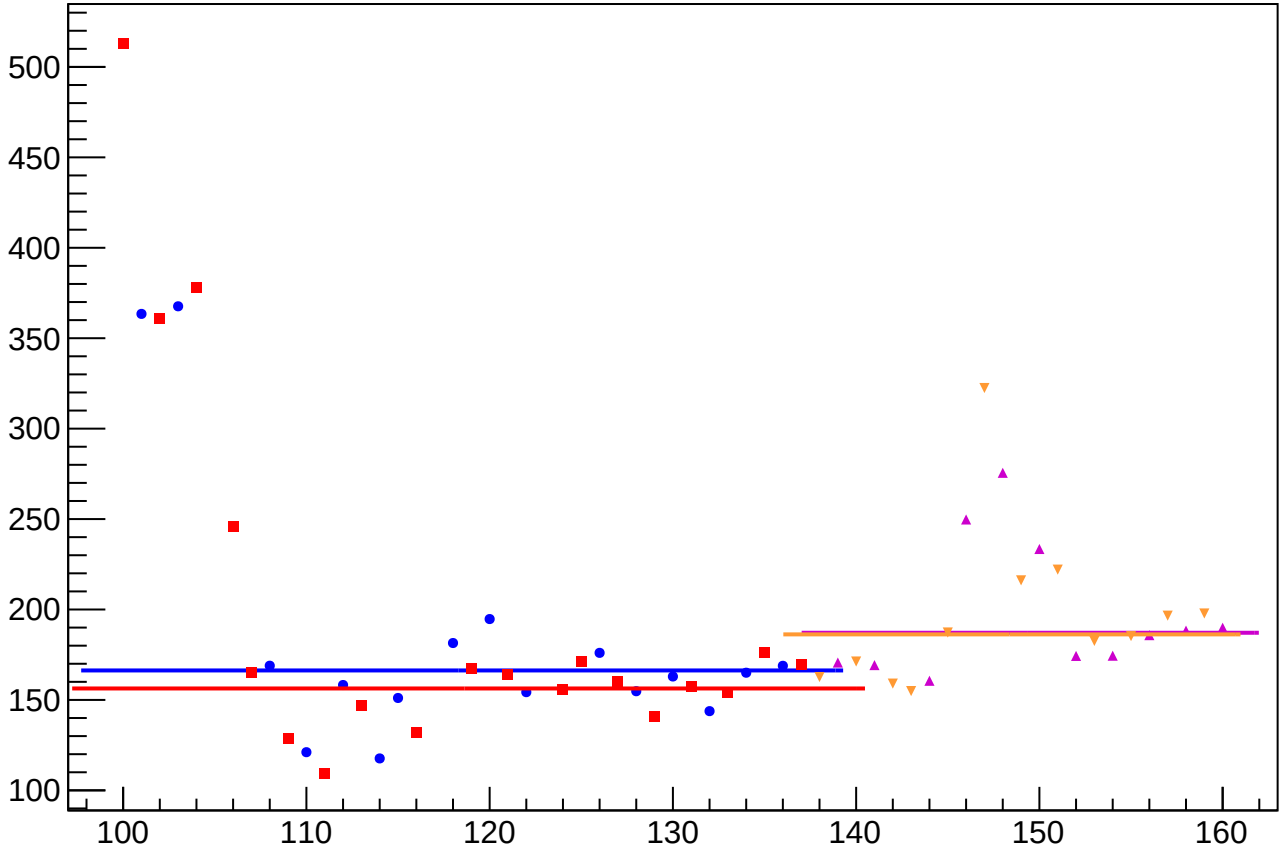
Left In: 132312.575+/-0.062 χ^2/NDF:871540437.6/10

+ sign 130985.168+/-0.045 χ^2/NDF: 3944543239.1

All: 130990.922+/-0.031 χ^2/NDF: 74853474

- 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: 186.243+/-0.044 χ^2/NDF:508590.8/11

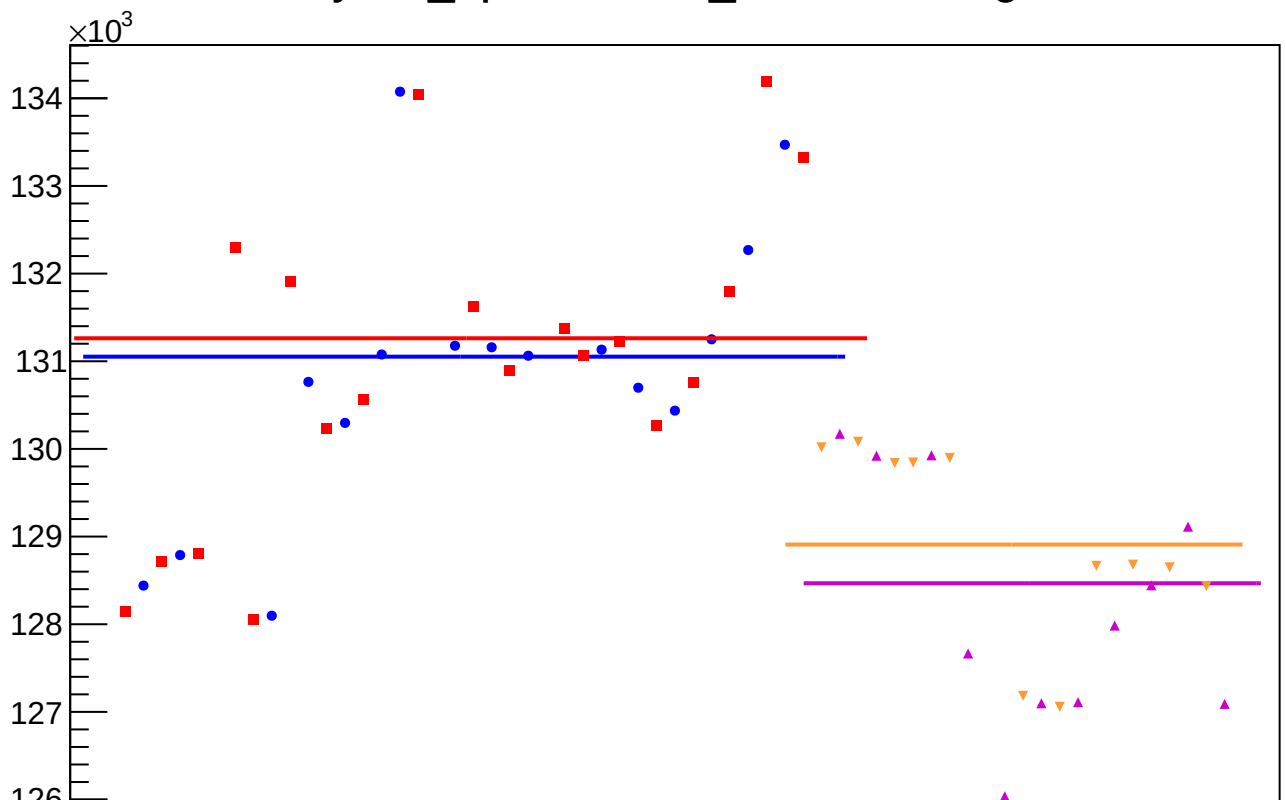
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 187.139+/-0.044 χ^2/NDF:447273.7/10

+ sign 176.898+/-0.032 χ^2/NDF: 1542956.1/27

All: 174.155+/-0.022 χ^2/NDF: 3425592.2/57

- 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: 128908.675+/-0.059 χ^2/NDF:411100077.2/11

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

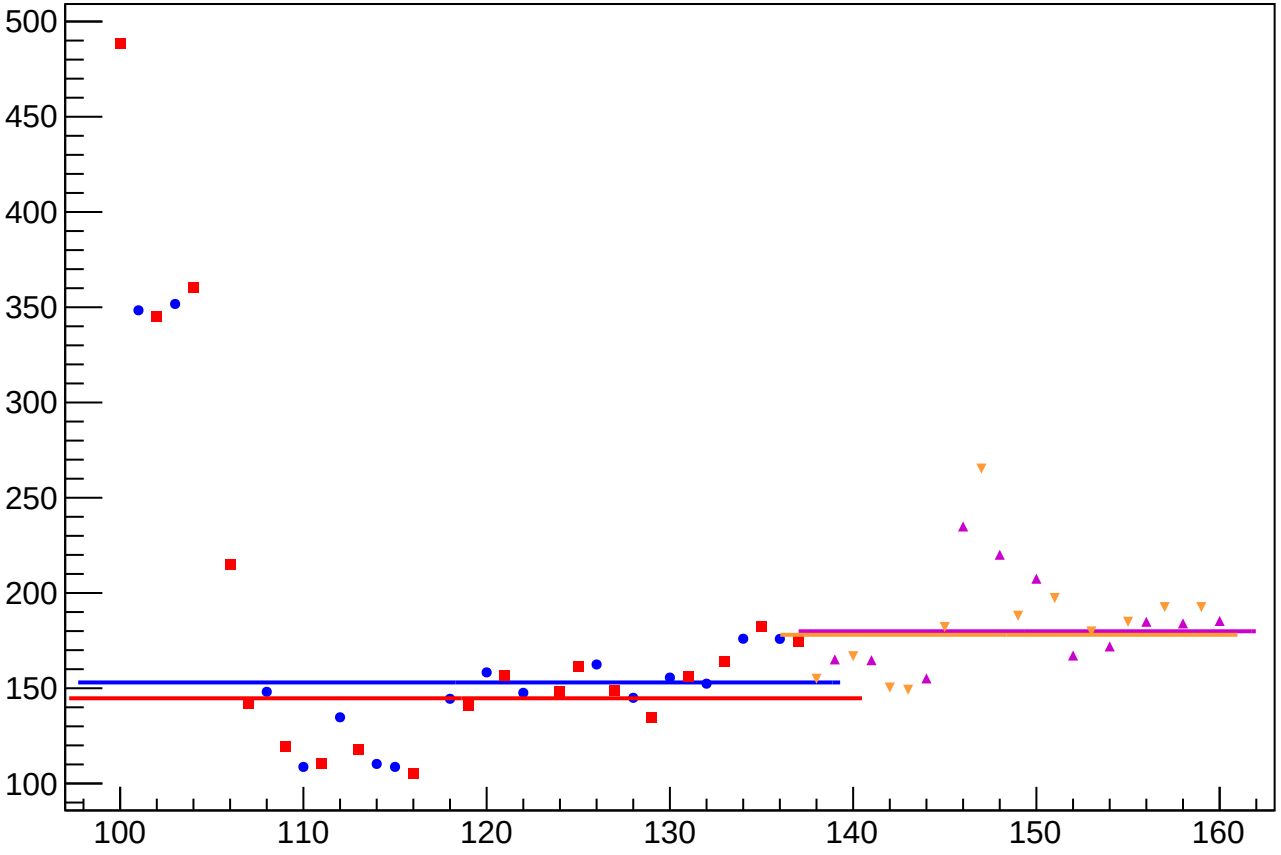
Left In: 128467.481+/-0.059 χ^2/NDF:500427872.5/10

+ sign 129951.084+/-0.042 χ^2/NDF: 1576865495.5

All: 129939.408+/-0.029 χ^2/NDF: 38426658

- 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: 178.056+/-0.042 χ^2/NDF:348444.4/11

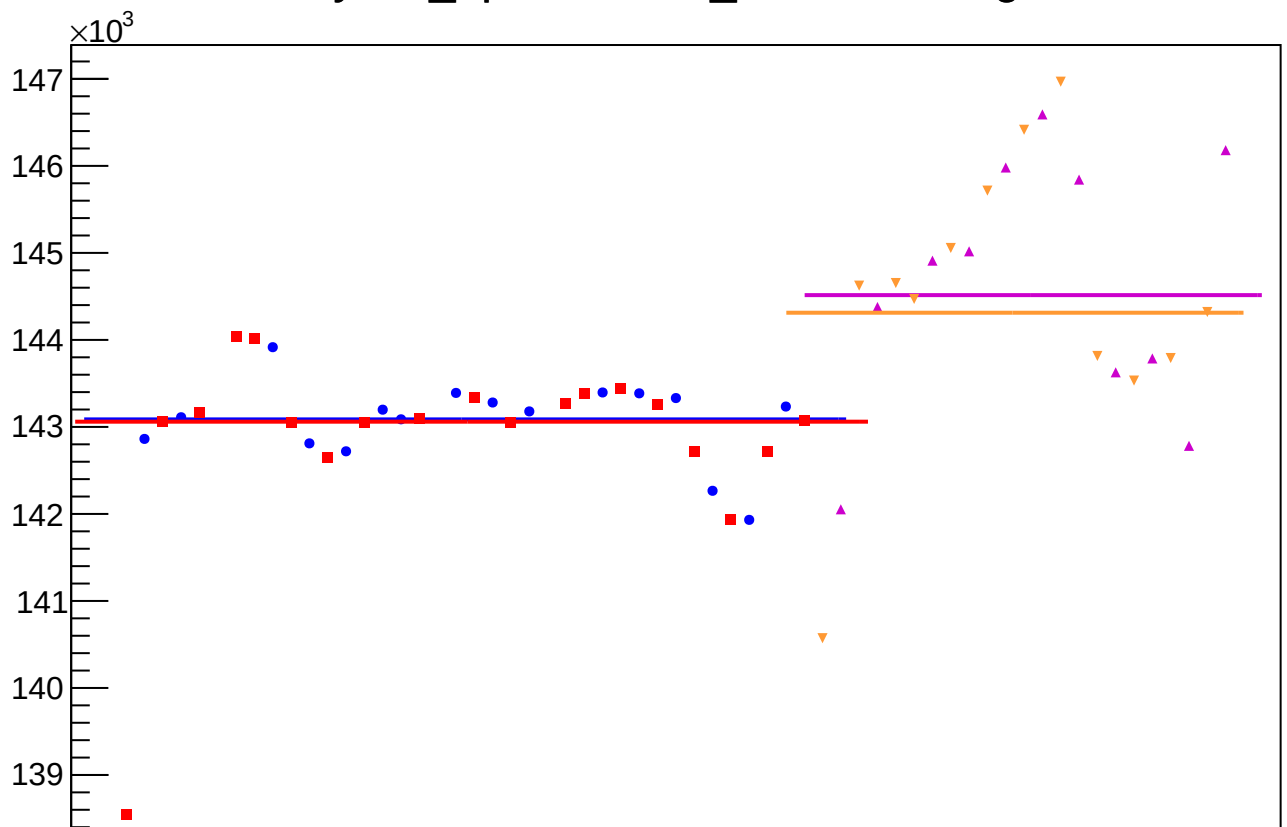
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 179.906+/-0.042 χ^2/NDF:271140.2/10

+ sign 165.893+/-0.030 χ^2/NDF: 1582736.5/27

All: 163.636+/-0.021 χ^2/NDF: 3496162.9/57

- 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: 144312.451+/-0.069 χ^2/NDF:566664469.5/11

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

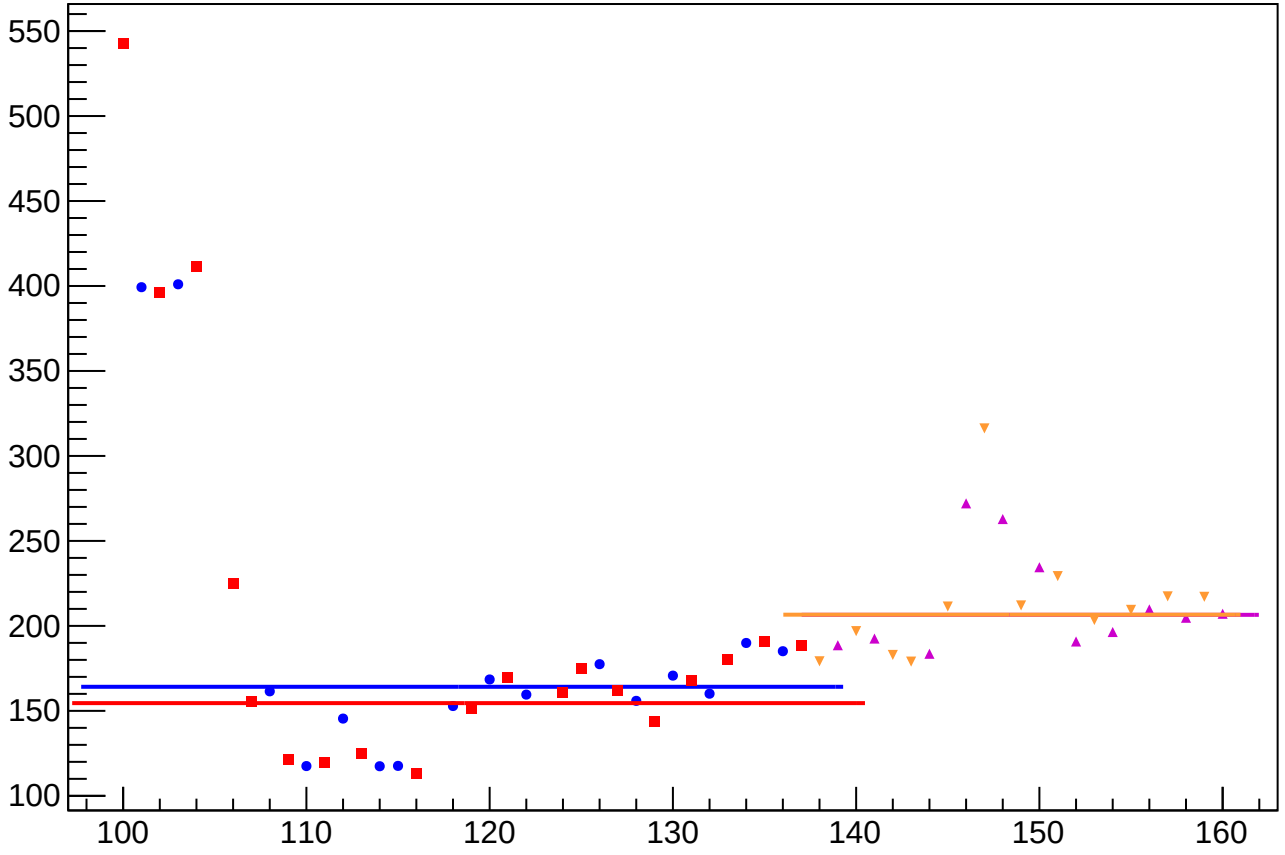
Left In: 144514.735+/-0.068 χ^2/NDF:427407552.4/10

+ sign 143667.668+/-0.047 χ^2/NDF: 781604221.5/2

All: 143686.274+/-0.033 χ^2/NDF: 15152838

- 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: 206.594+/-0.048 χ^2/NDF:313828.4/11

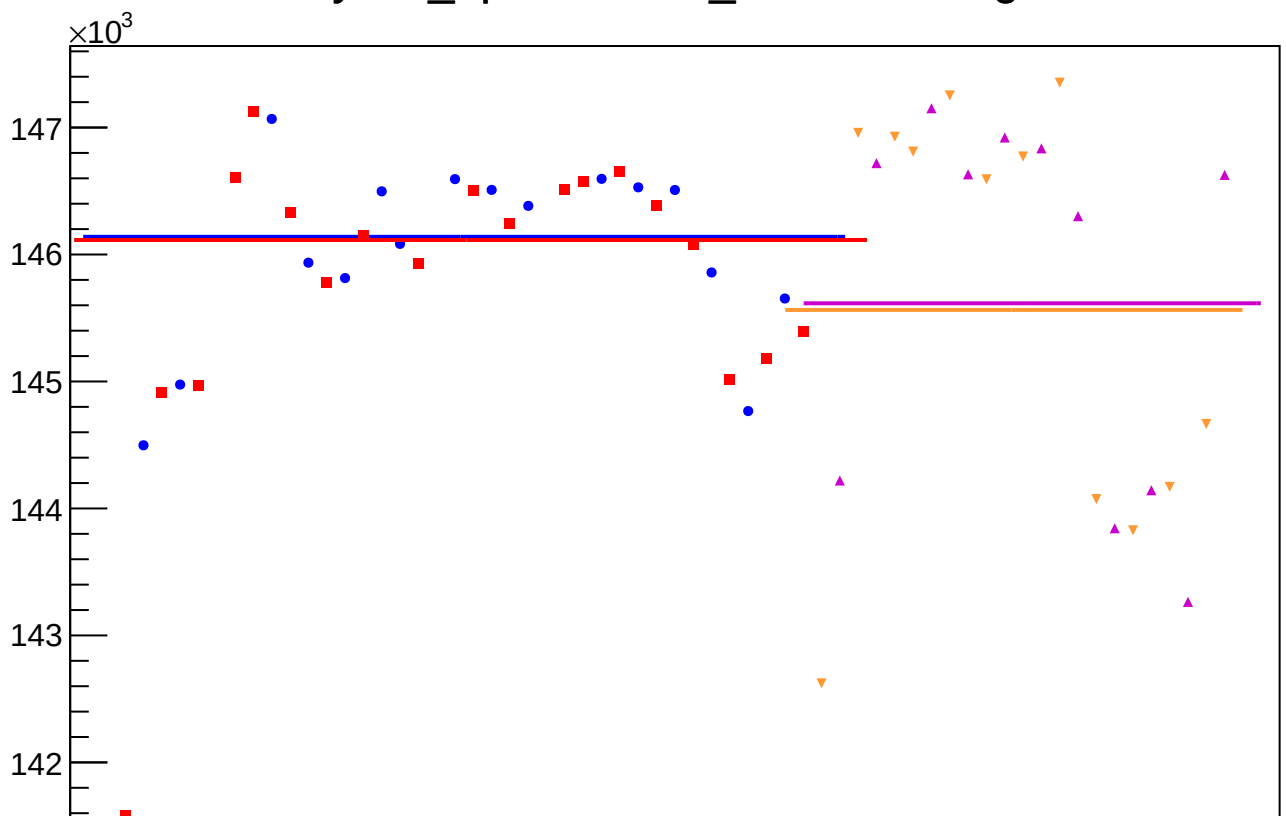
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 206.502+/-0.048 χ^2/NDF:269015.0/10

+ sign 184.280+/-0.033 χ^2/NDF: 1846506.5/27

All: 180.765+/-0.023 χ^2/NDF: 4152256.6/57

- 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: 145563.405+/-0.068 χ^2/NDF:592938378.9/11

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

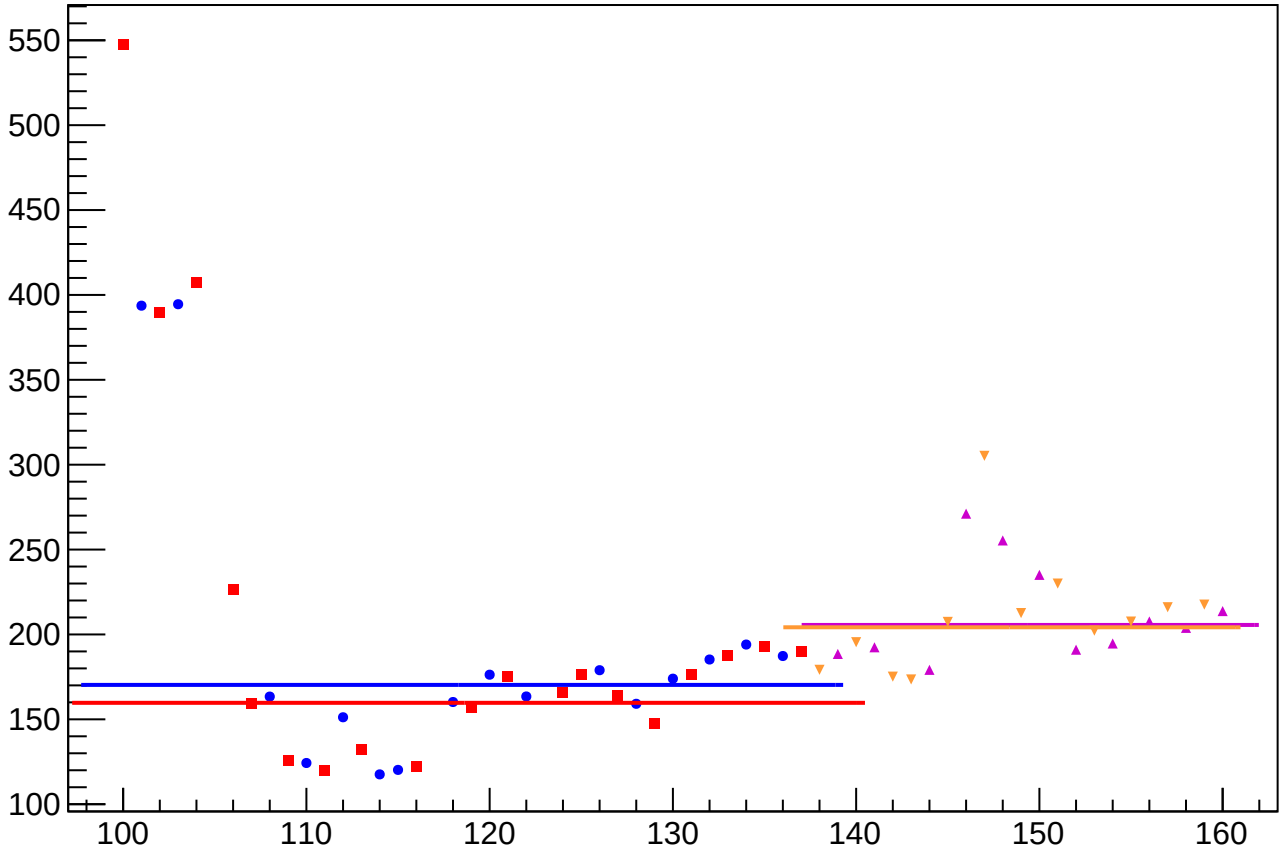
Left In: 145616.019+/-0.068 χ^2/NDF:451744737.5/10

+ sign 145852.658+/-0.048 χ^2/NDF: 700995453.5/2

All: 145869.846+/-0.033 χ^2/NDF: 12552922(

- 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: 204.216+/-0.048 χ^2/NDF:319996.0/11

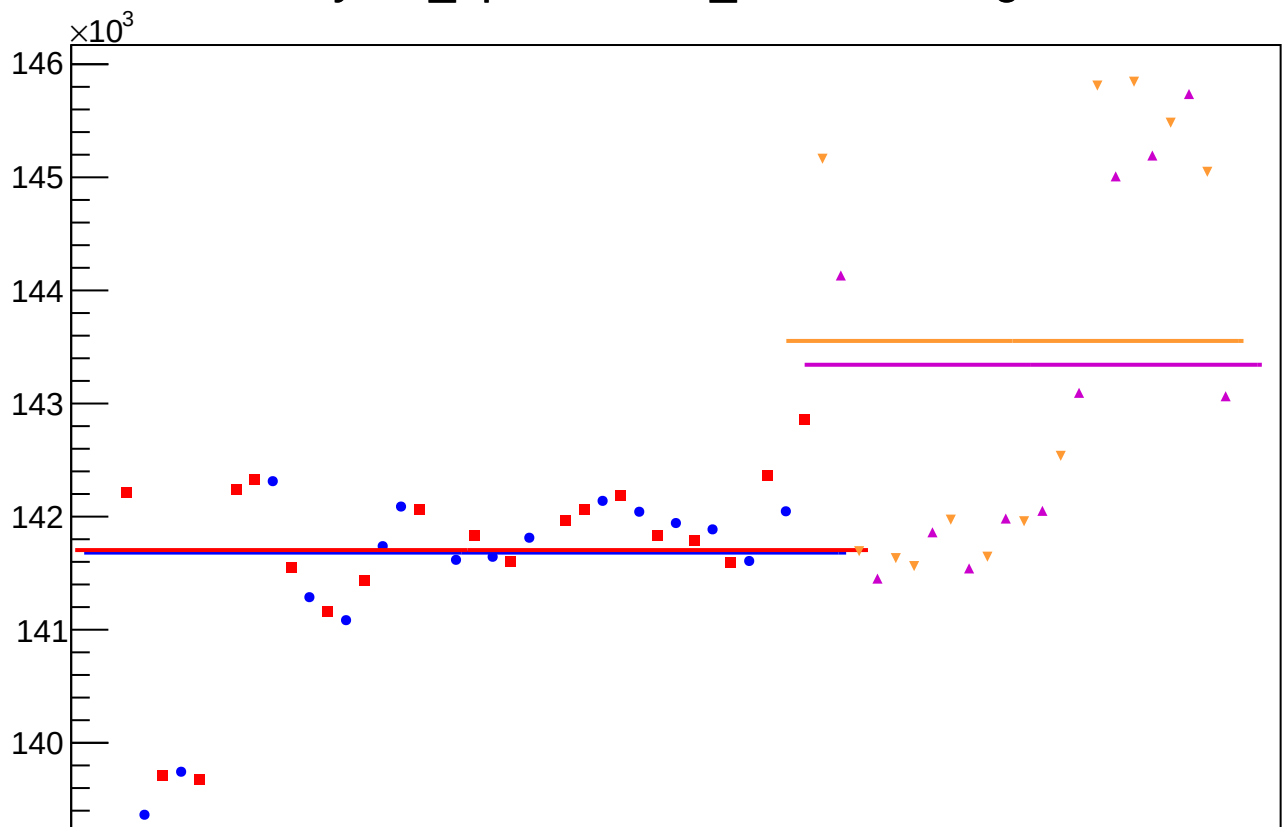
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 205.598+/-0.048 χ^2/NDF:268755.3/10

+ sign 187.168+/-0.034 χ^2/NDF: 1630039.1/27

All: 183.847+/-0.023 χ^2/NDF: 3703385.4/57

- 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: 143553.458+/-0.072 χ^2/NDF:634430461.0/11

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

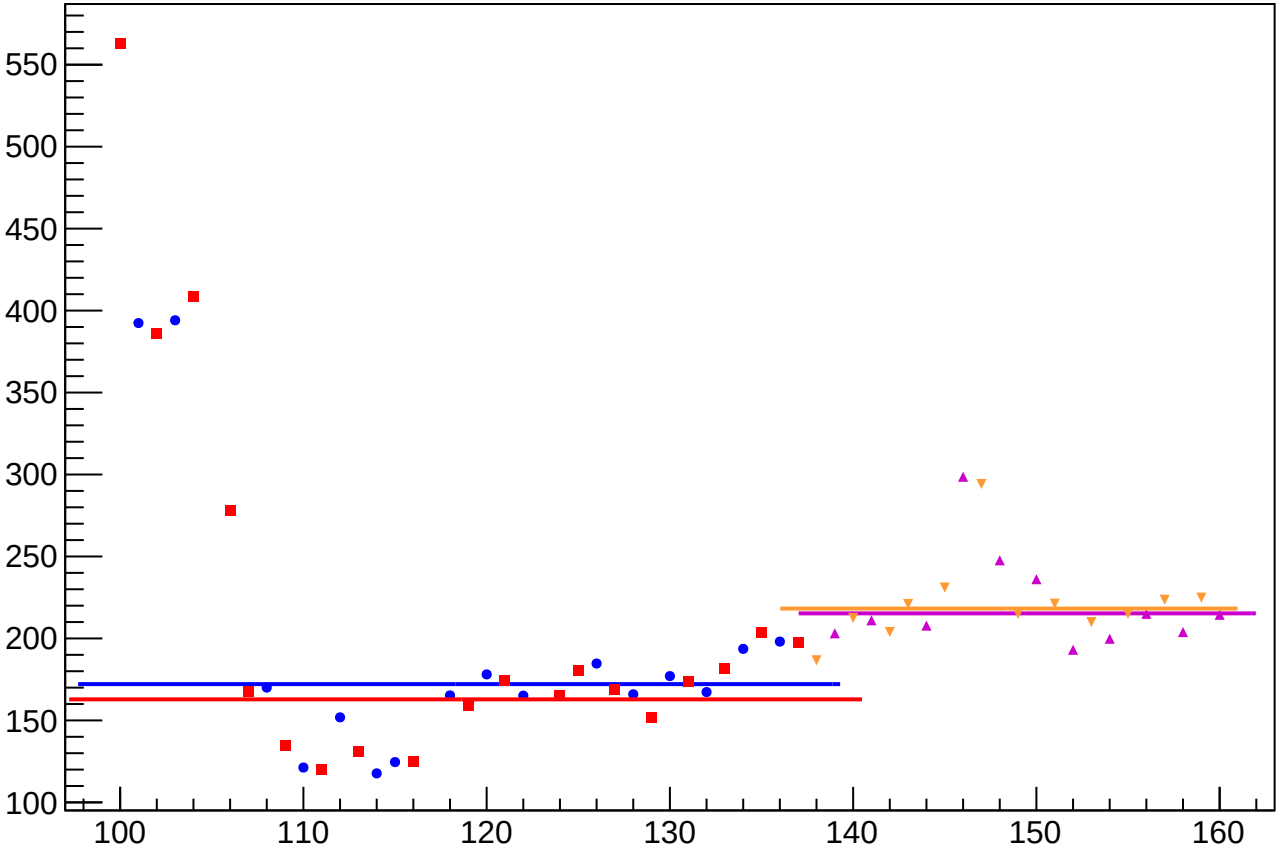
Left In: 143342.797+/-0.071 χ^2/NDF:449275797.6/10

+ sign 142568.714+/-0.050 χ^2/NDF: 1054860522.2

All: 142499.511+/-0.034 χ^2/NDF: 18680518

- 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: 218.239+/-0.051 χ^2/NDF:169410.8/11

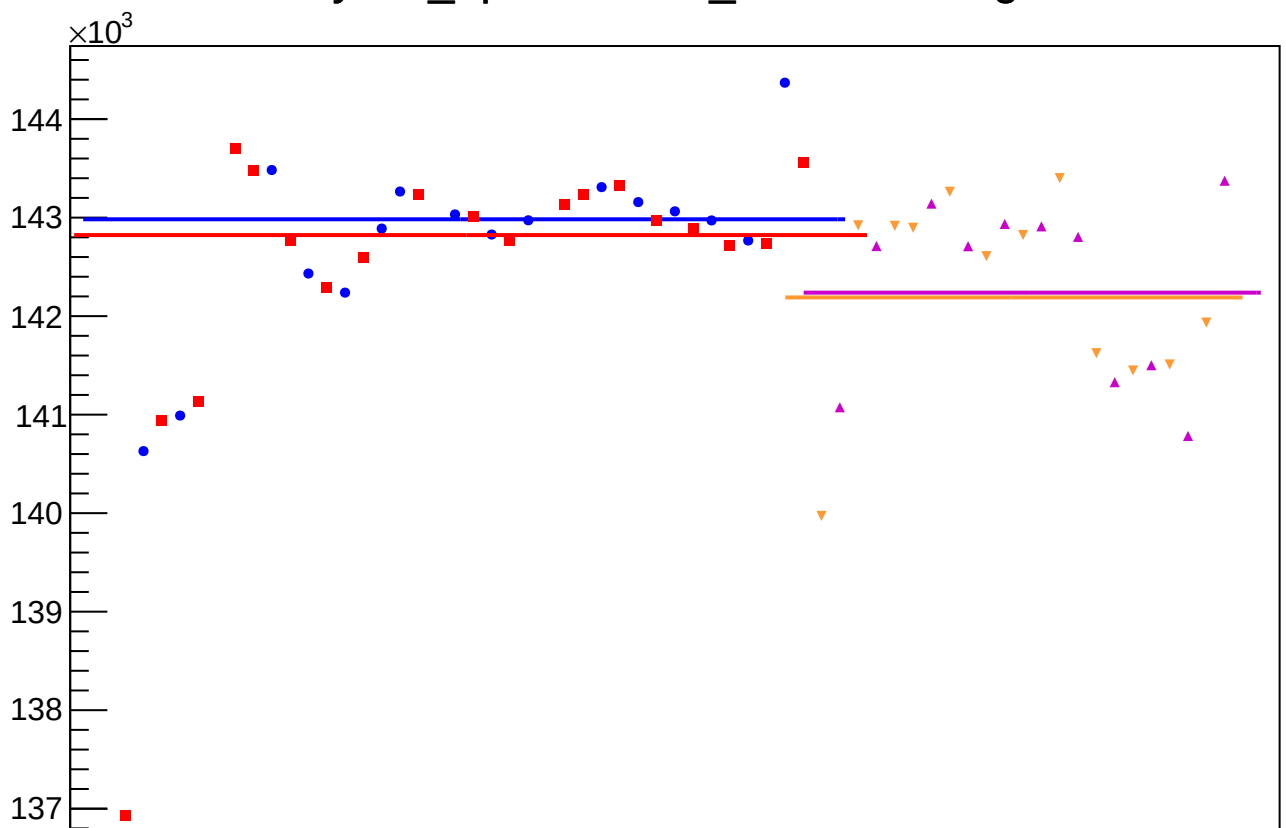
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 215.303+/-0.050 χ^2/NDF:223420.9/10

+ sign 193.983+/-0.035 χ^2/NDF: 1670130.5/27

All: 189.963+/-0.024 χ^2/NDF: 3828641.7/57

- 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: 142189.661+/-0.066 χ^2/NDF:238865538.7/11

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

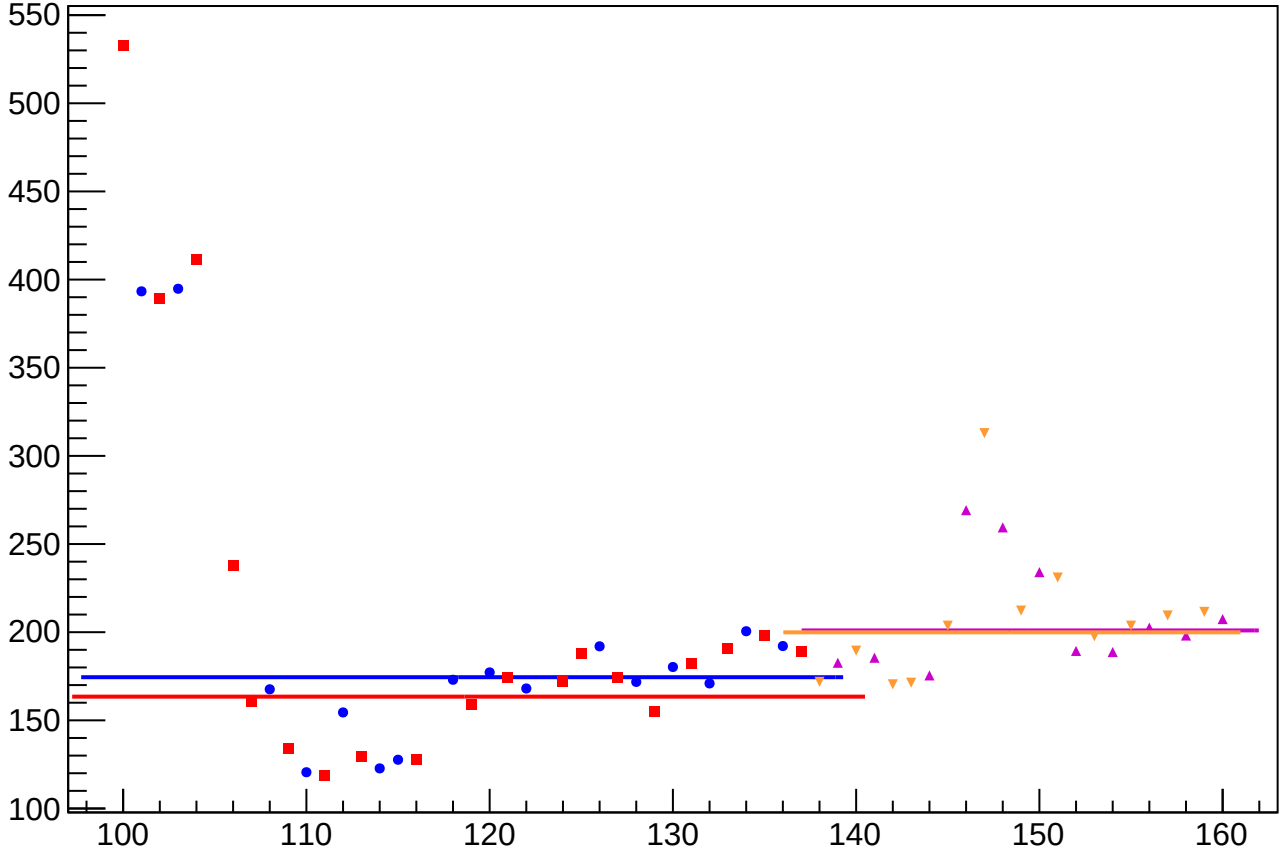
Left In: 142238.471+/-0.066 χ^2/NDF:188314744.6/10

+ sign 142569.859+/-0.048 χ^2/NDF: 415186167.8/2

All: 142554.861+/-0.033 χ^2/NDF: 70742379

- 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: 199.916+/-0.047 χ^2/NDF:373204.3/11

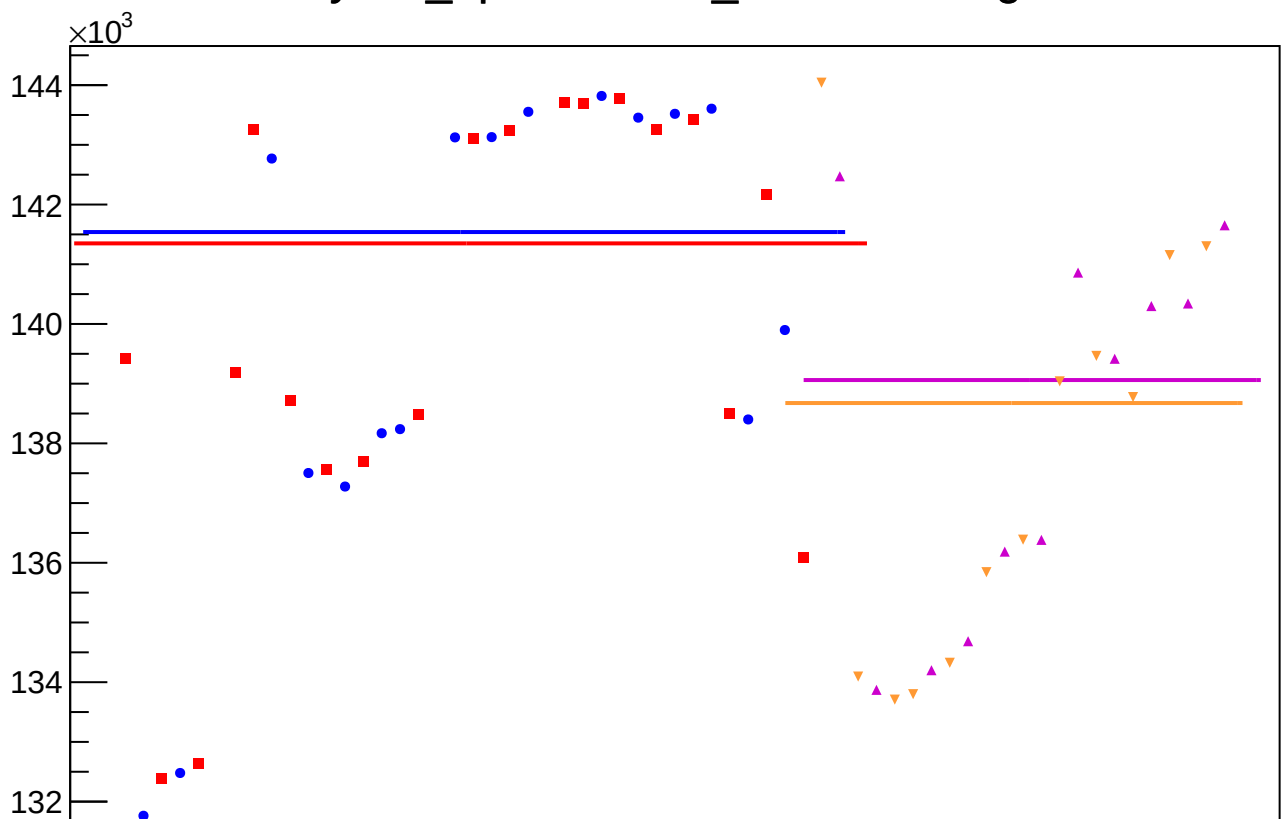
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 201.001+/-0.047 χ^2/NDF:310988.2/10

+ sign 187.720+/-0.034 χ^2/NDF: 1563563.9/27

All: 184.524+/-0.023 χ^2/NDF: 3506008.7/57

- 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: 138675.486+/-0.102 χ^2/NDF:1257258648.2/11

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

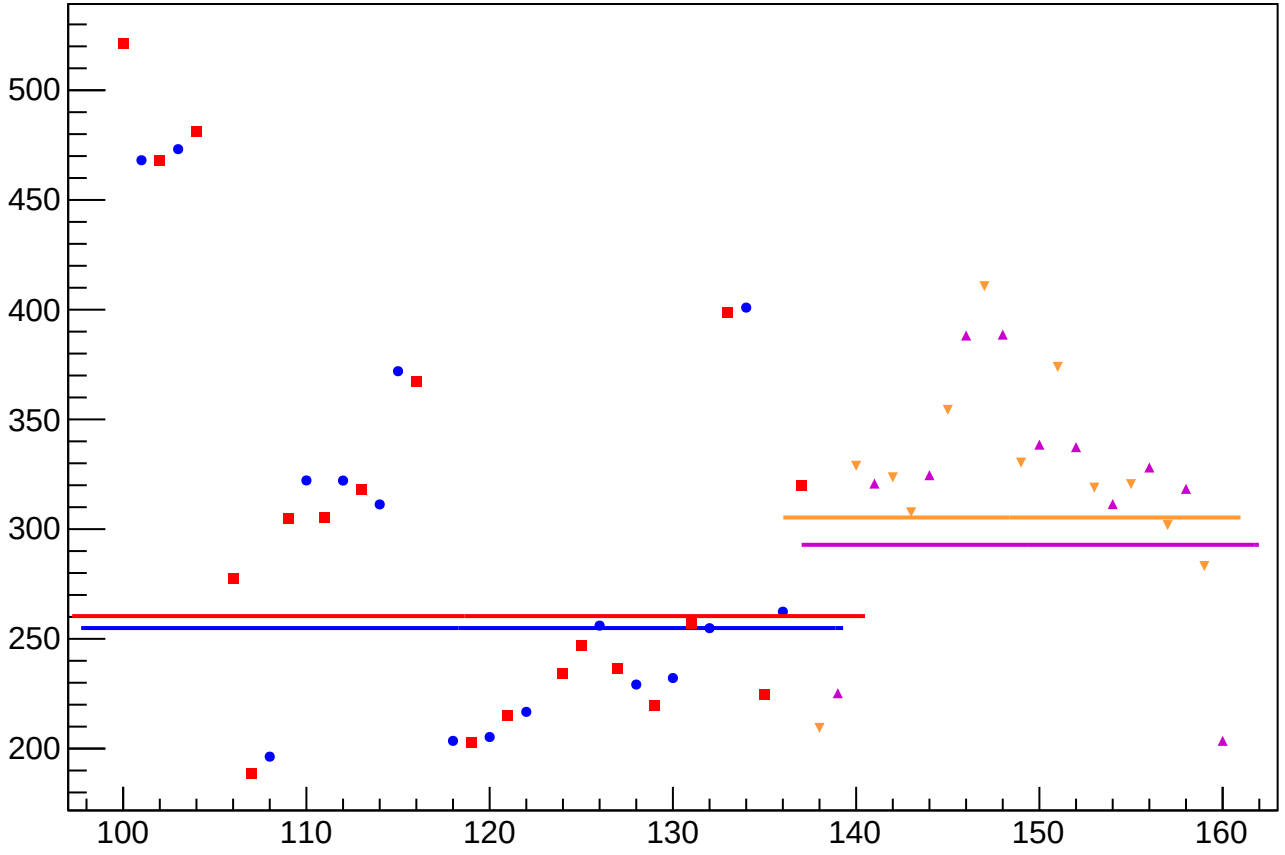
Left In: 139060.663+/-0.099 χ^2/NDF:987595042.7/10

+ sign 140128.602+/-0.072 χ^2/NDF: 2602599404.1

All: 140152.961+/-0.050 χ^2/NDF: 47799915

- 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: 305.294+/-0.072 χ^2/NDF:543697.2/11

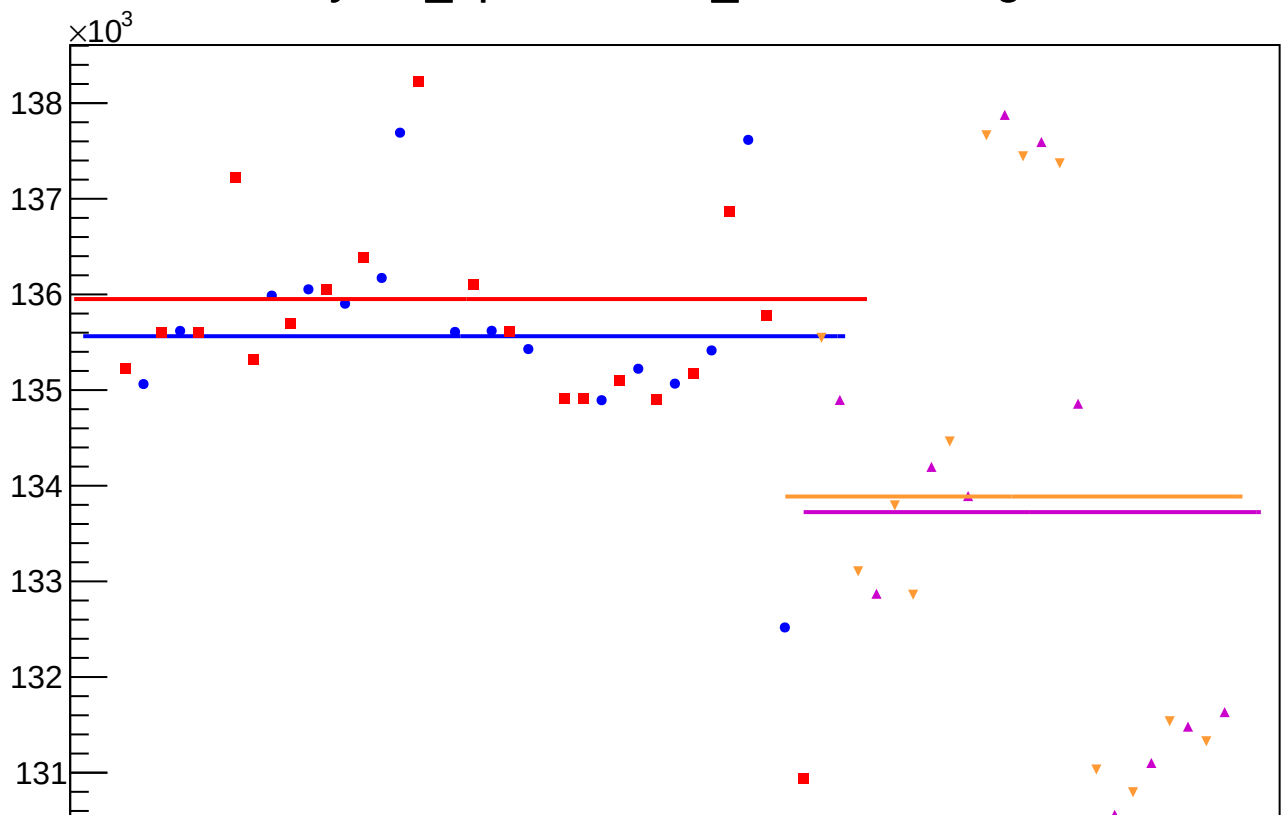
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 292.860+/-0.070 χ^2/NDF:785738.6/10

+ sign 279.735+/-0.051 χ^2/NDF: 1739662.0/27

All: 278.354+/-0.036 χ^2/NDF: 3626114.4/57

- 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: 133887.243+/-0.083 χ^2/NDF:578833388.8/11

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

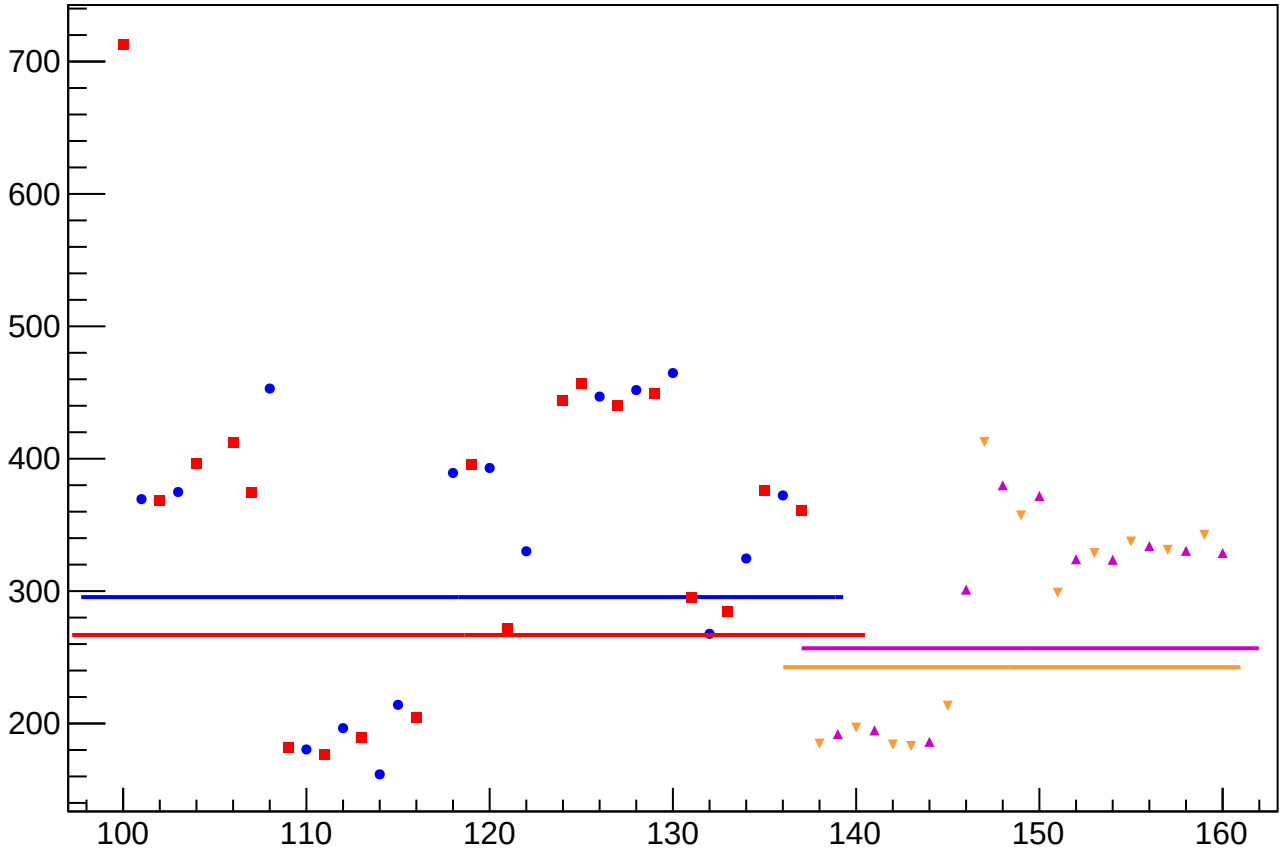
Left In: 133724.088+/-0.088 χ^2/NDF:464798805.0/10

+ sign 134443.253+/-0.068 χ^2/NDF: 806972222.6/2

All: 134534.275+/-0.048 χ^2/NDF: 16283416

- 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: 242.591+/-0.059 χ^2/NDF:1514110.1/11

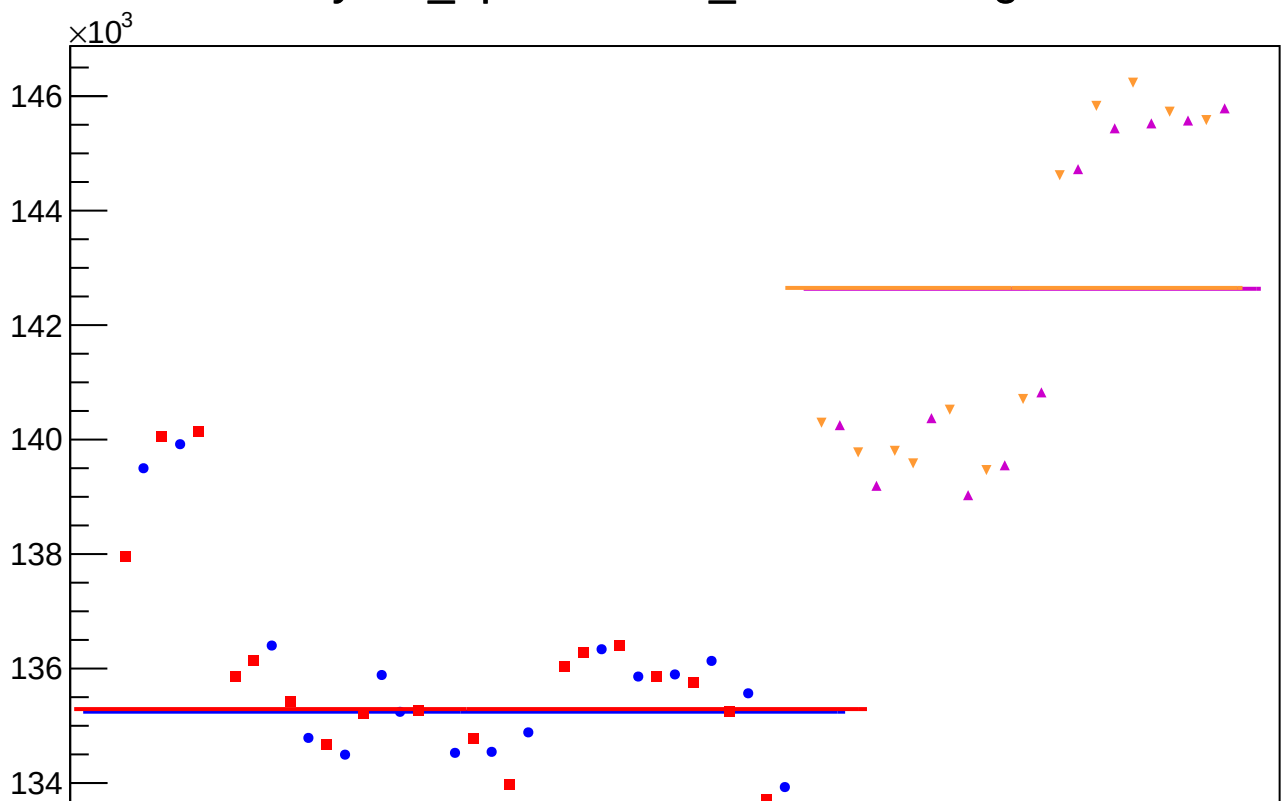
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 256.817+/-0.062 χ^2/NDF:1391004.6/10

+ sign 260.139+/-0.048 χ^2/NDF: 3223531.1/27

All: 260.510+/-0.034 χ^2/NDF: 6303365.2/57

- sign 260.875+/-0.048 χ^2/NDF: 3079716.6/29



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 142649.702+/-0.062 χ^2/NDF:2082032880.6/11

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

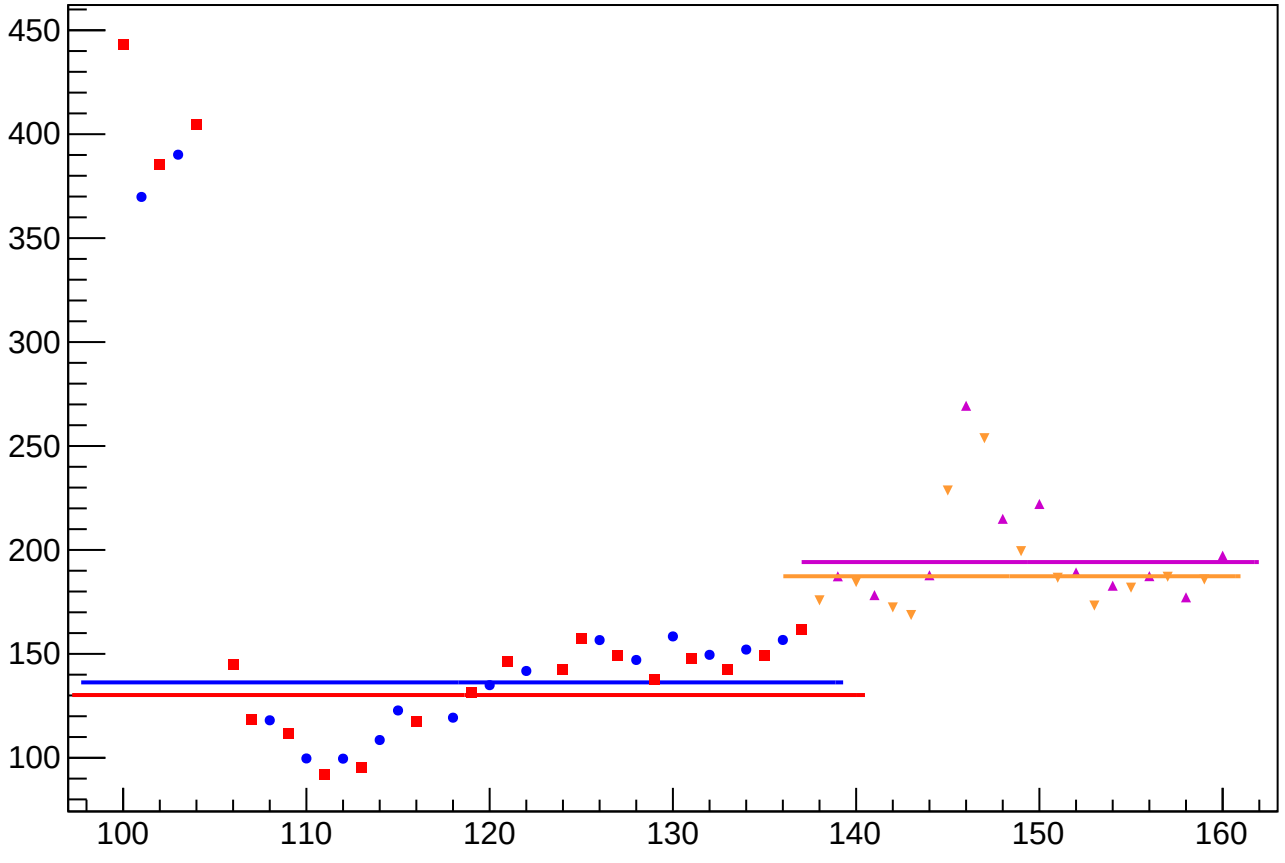
Left In: 142634.671+/-0.064 χ^2/NDF:1906305726.9/10

+ sign 138489.543+/-0.041 χ^2/NDF: 10488970629.9

All: 138337.324+/-0.029 χ^2/NDF: 20752305

- sign 138190.702+/-0.040 χ^2/NDF: 10236300500.7

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 187.343+/-0.044 χ^2/NDF:208750.2/11

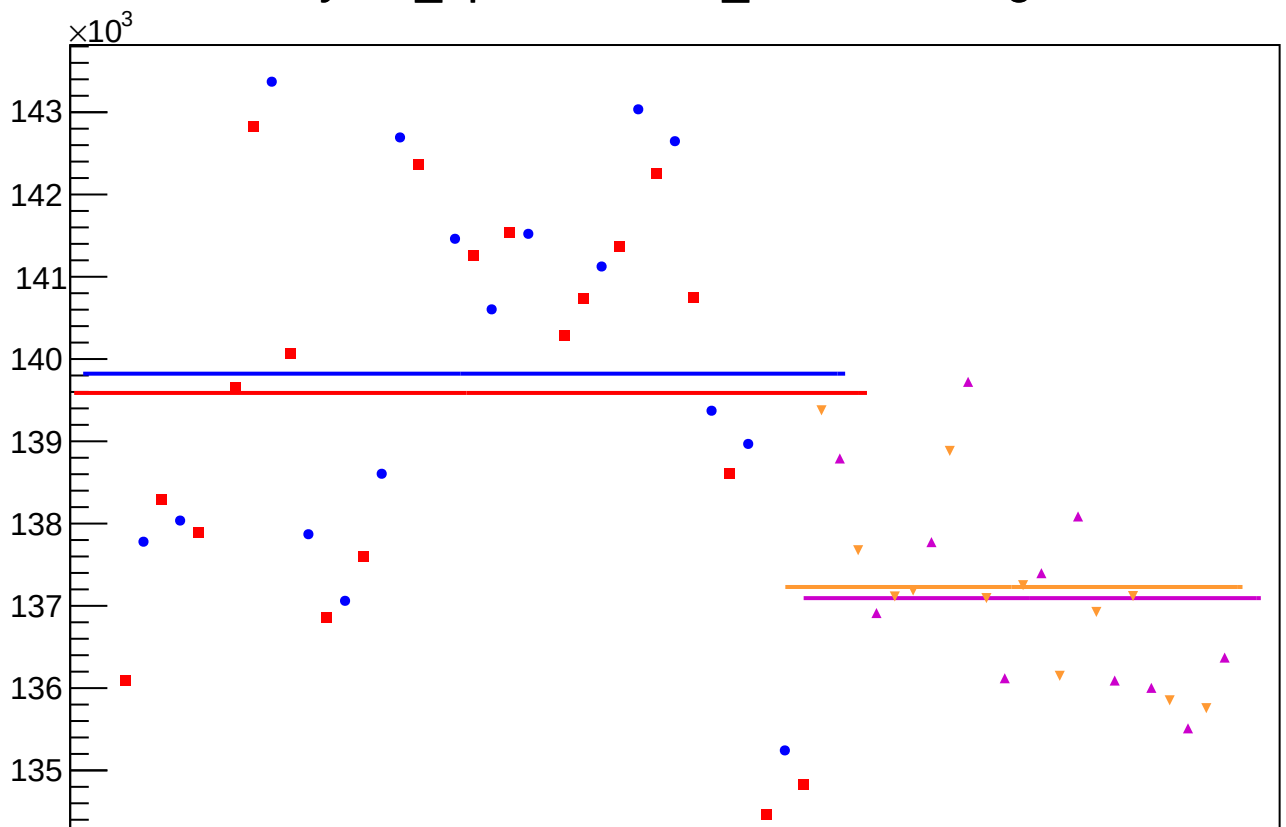
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 194.168+/-0.045 χ^2/NDF:217729.4/10

+ sign 158.653+/-0.029 χ^2/NDF: 2355580.2/27

All: 157.025+/-0.020 χ^2/NDF: 5306542.0/57

- 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: 137229.173+/-0.064 χ^2/NDF:278854062.7/11

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

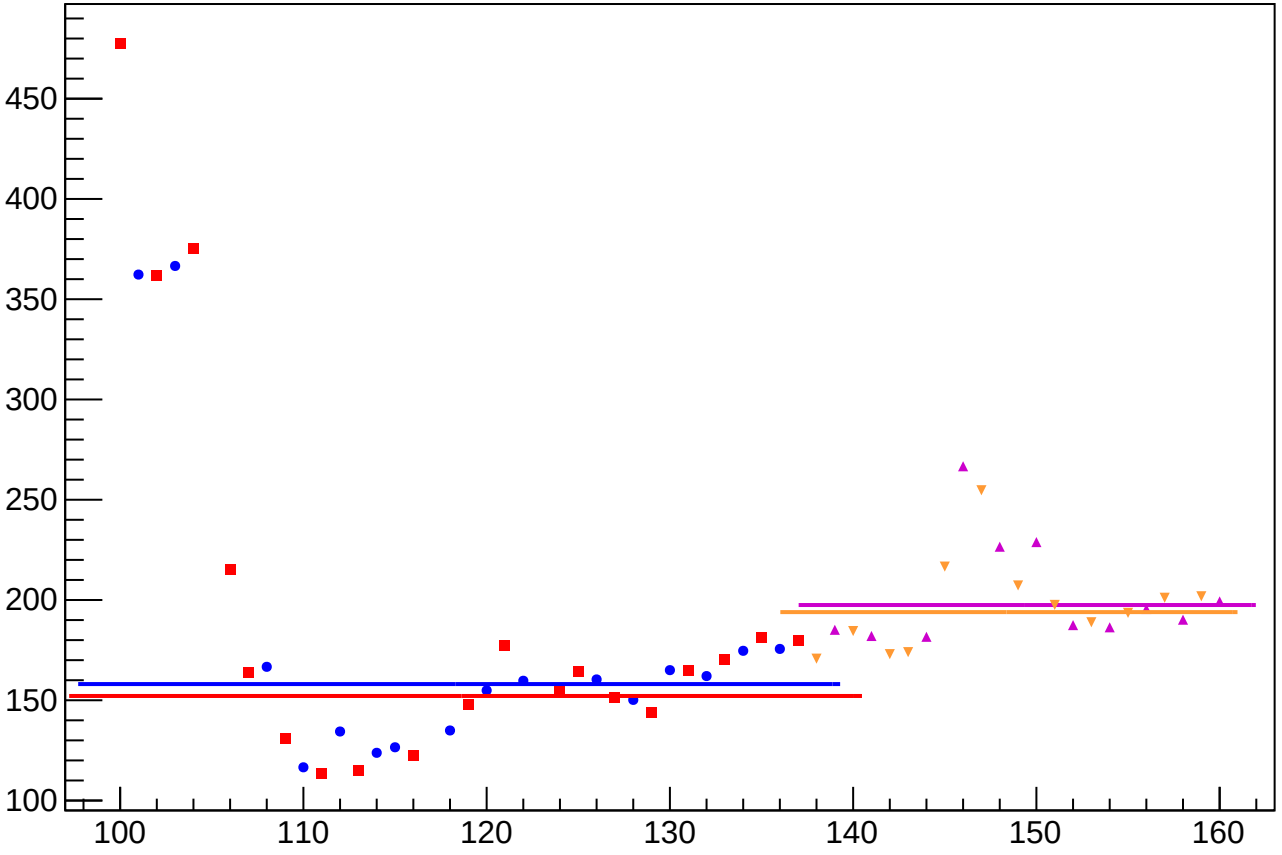
Left In: 137093.757+/-0.065 χ^2/NDF:326929663.1/10

+ sign 138559.751+/-0.045 χ^2/NDF: 2777736512.8

All: 138504.985+/-0.031 χ^2/NDF: 53846648

- 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: 193.965+/-0.045 χ^2/NDF:186864.4/11

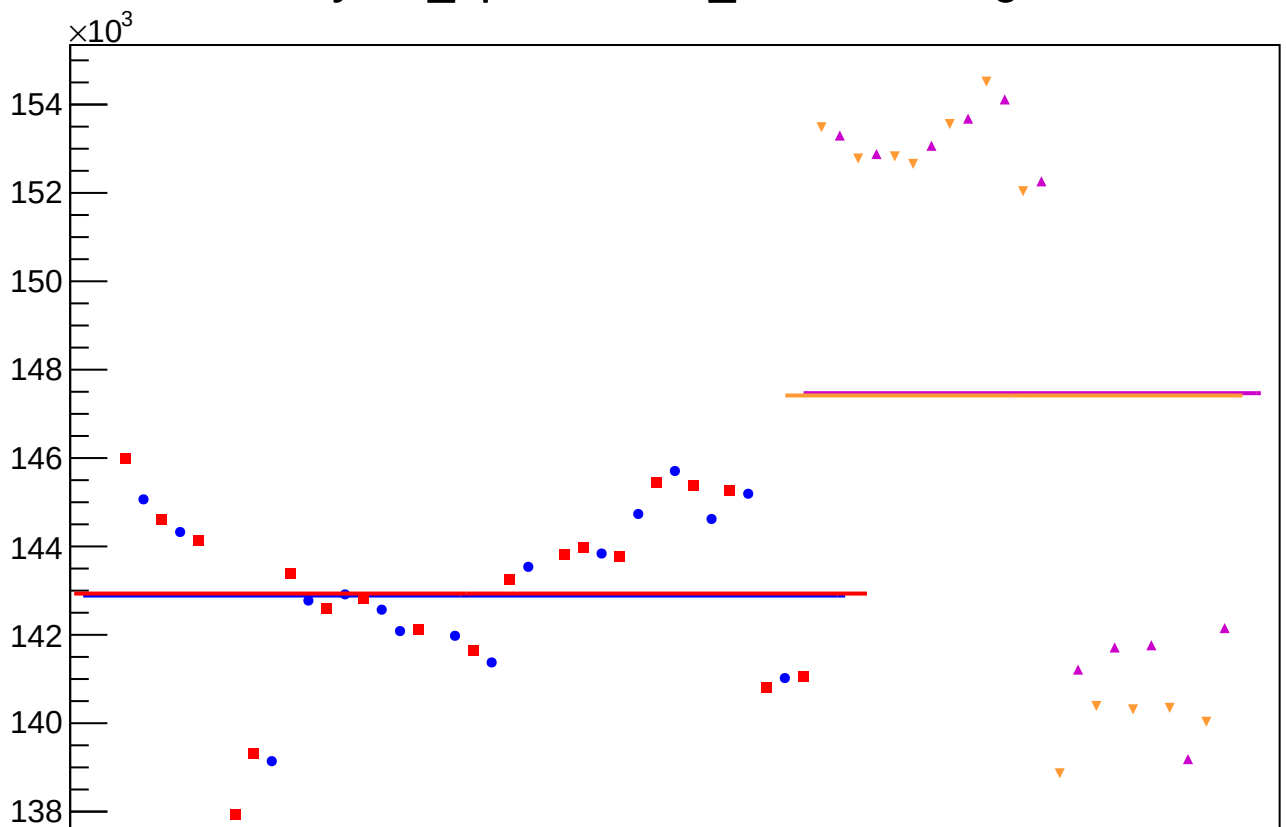
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 197.499+/-0.046 χ^2/NDF:222157.2/10

+ sign 175.550+/-0.032 χ^2/NDF: 1524857.9/27

All: 174.150+/-0.022 χ^2/NDF: 3505249.9/57

- 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: 147416.244+/-0.065 χ^2/NDF:9971669607.8/11

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

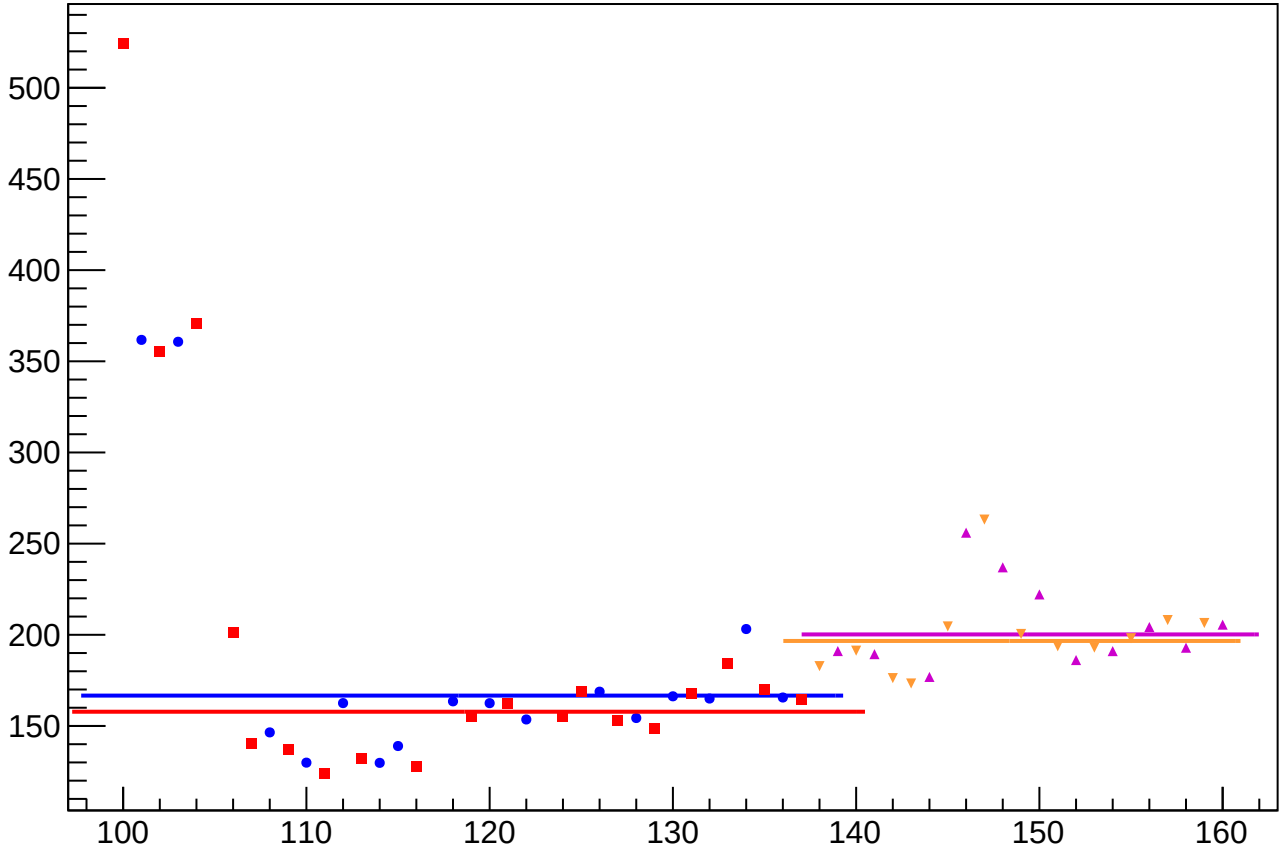
Left In: 147468.165+/-0.066 χ^2/NDF:8377998156.0/10

+ sign 145175.640+/-0.046 χ^2/NDF: 13133762036.

All: 145106.257+/-0.032 χ^2/NDF: 24825849

- 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: 196.625+/-0.046 χ^2/NDF:166627.8/11

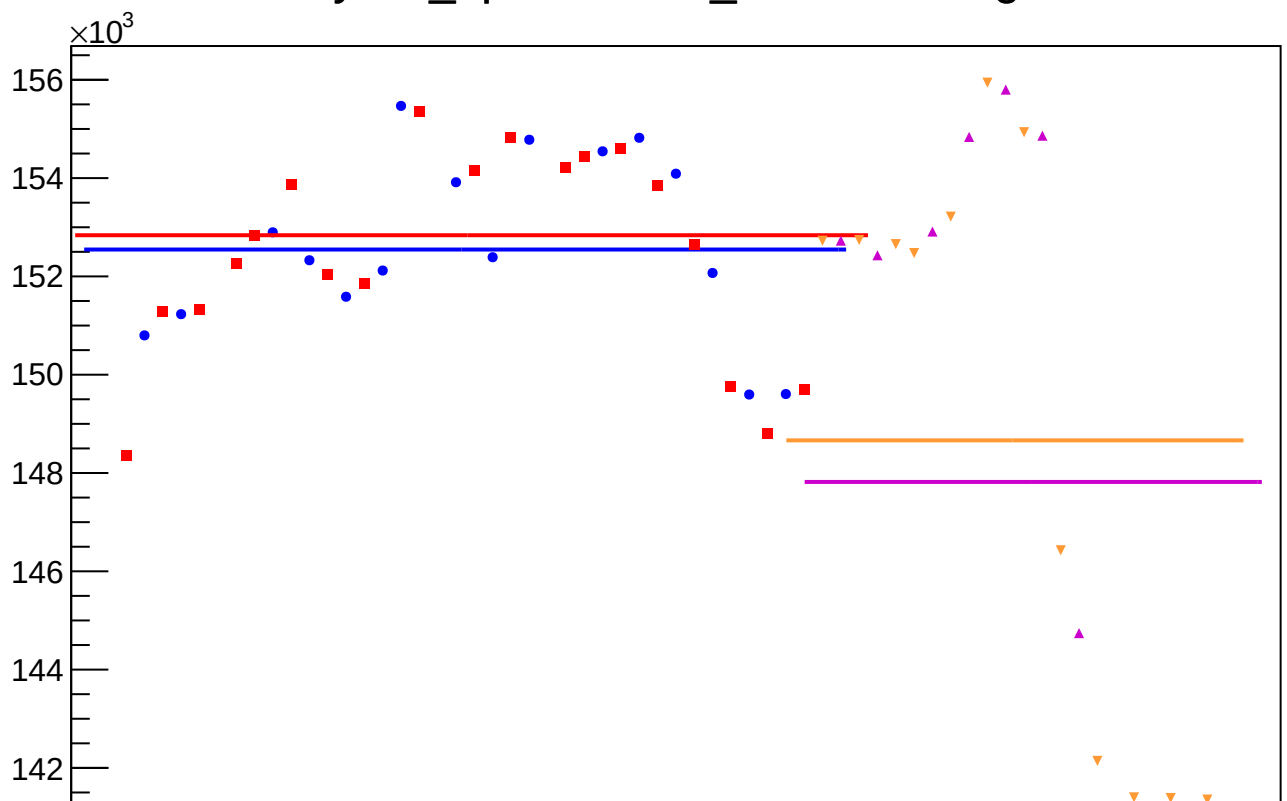
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 200.207+/-0.047 χ^2/NDF:196450.0/10

+ sign 181.792+/-0.033 χ^2/NDF: 1240463.3/27

All: 179.593+/-0.023 χ^2/NDF: 2909145.2/57

- 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: 148664.309+/-0.065 χ^2/NDF:7235084631.6/11

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

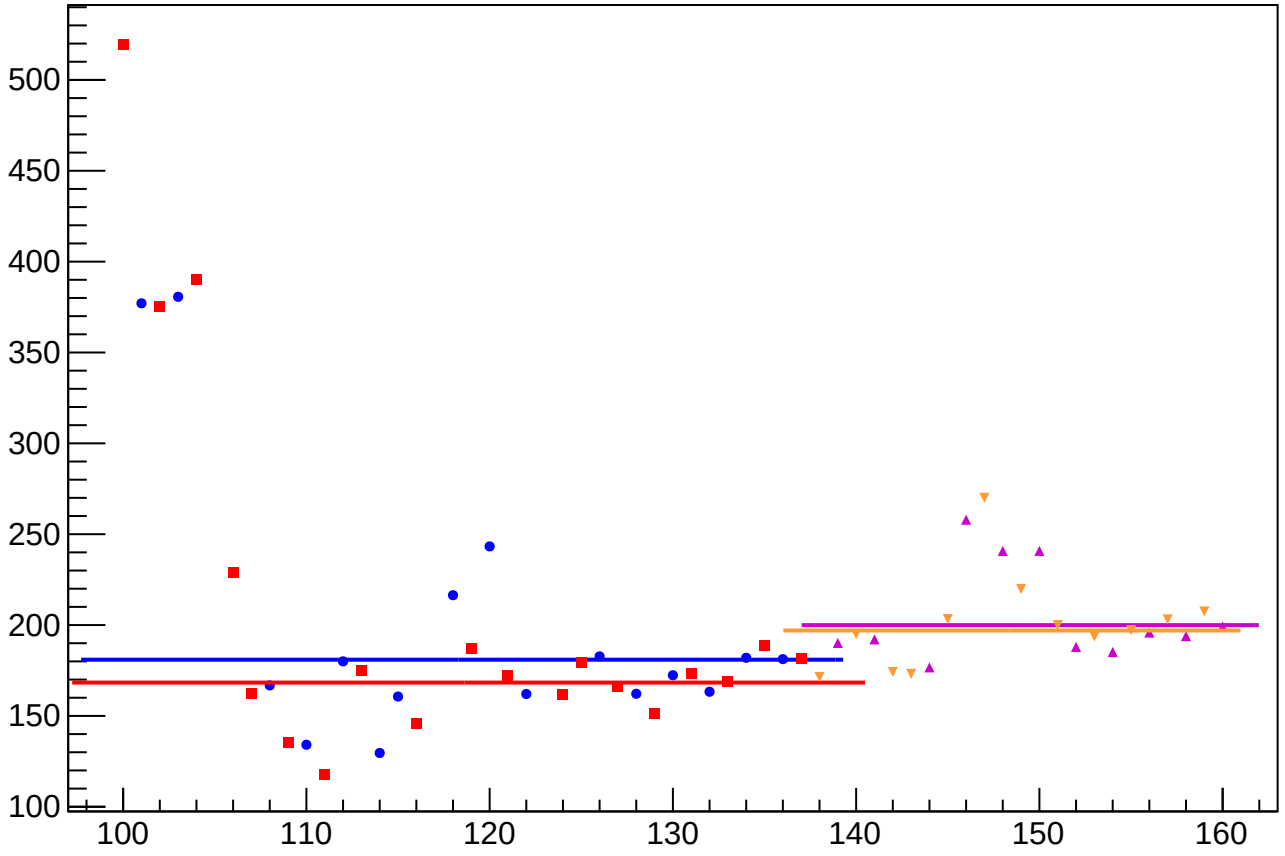
Left In: 147818.174+/-0.066 χ^2/NDF:8392476142.3/10

+ sign 150391.188+/-0.048 χ^2/NDF: 9476914114.9

All: 150342.327+/-0.034 χ^2/NDF: 21479043

- sign 150296.618+/-0.047 χ^2/NDF: 12000158644.

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 197.019+/-0.046 χ^2/NDF:224231.1/11

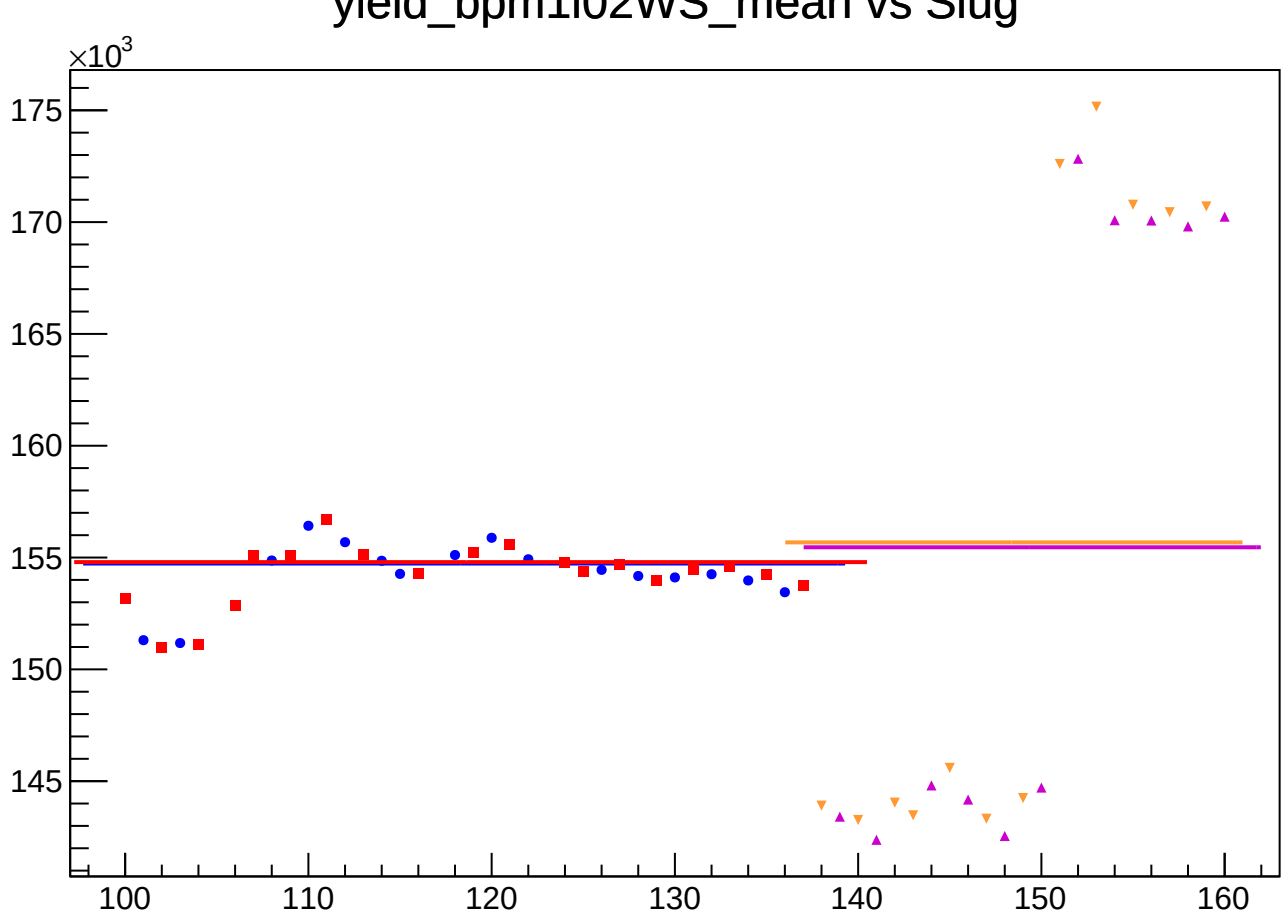
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 199.958+/-0.047 χ^2/NDF:244301.3/10

+ sign 189.867+/-0.034 χ^2/NDF: 1186445.2/27

All: 187.017+/-0.024 χ^2/NDF: 2760906.8/57

- 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: 155678.268+/-0.060 χ^2/NDF:54762044854.1/11

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

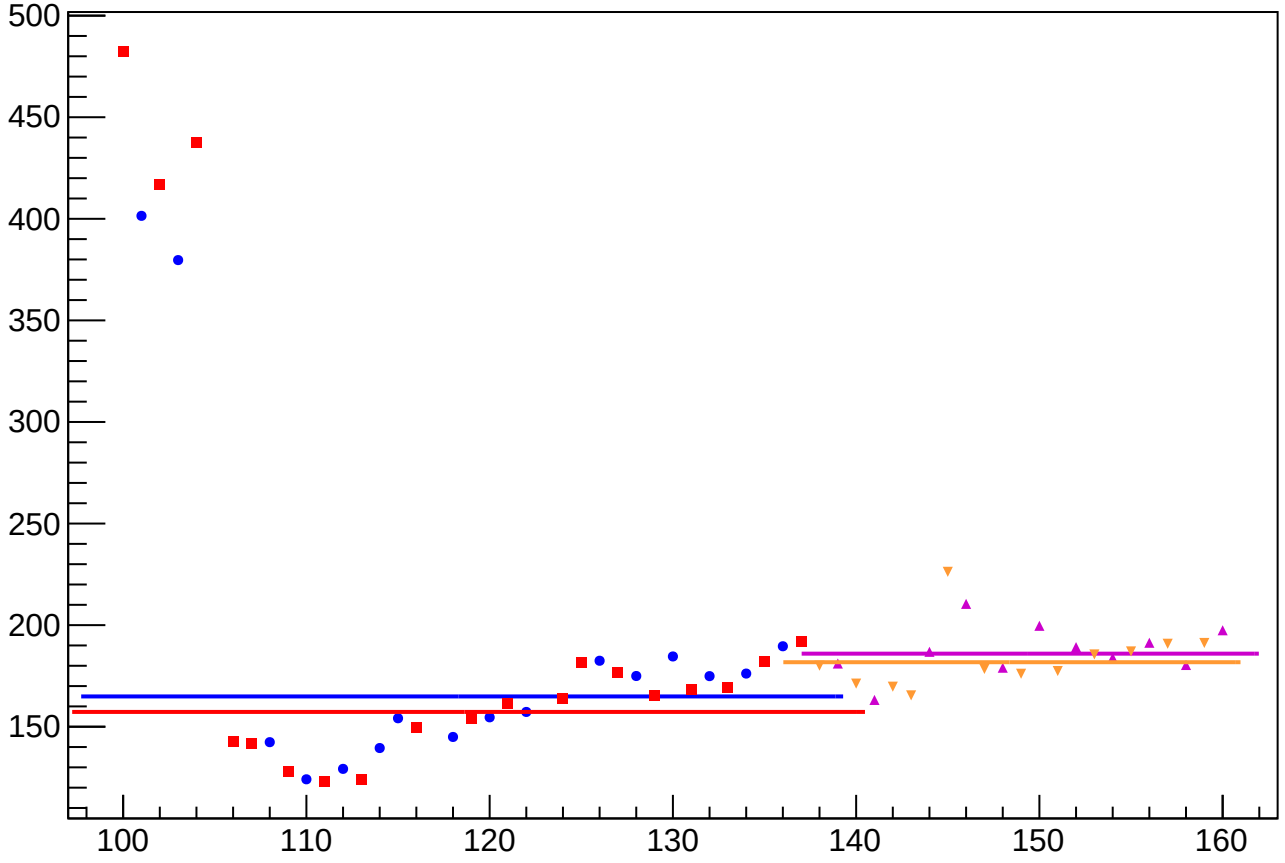
Left In: 155458.682+/-0.061 χ^2/NDF:49075776752.1/10

+ sign 155248.205+/-0.044 χ^2/NDF: 55151032651.

All: 155187.351+/-0.031 χ^2/NDF: 10459389

- 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: 181.750+/-0.042 χ^2/NDF:101561.2/11

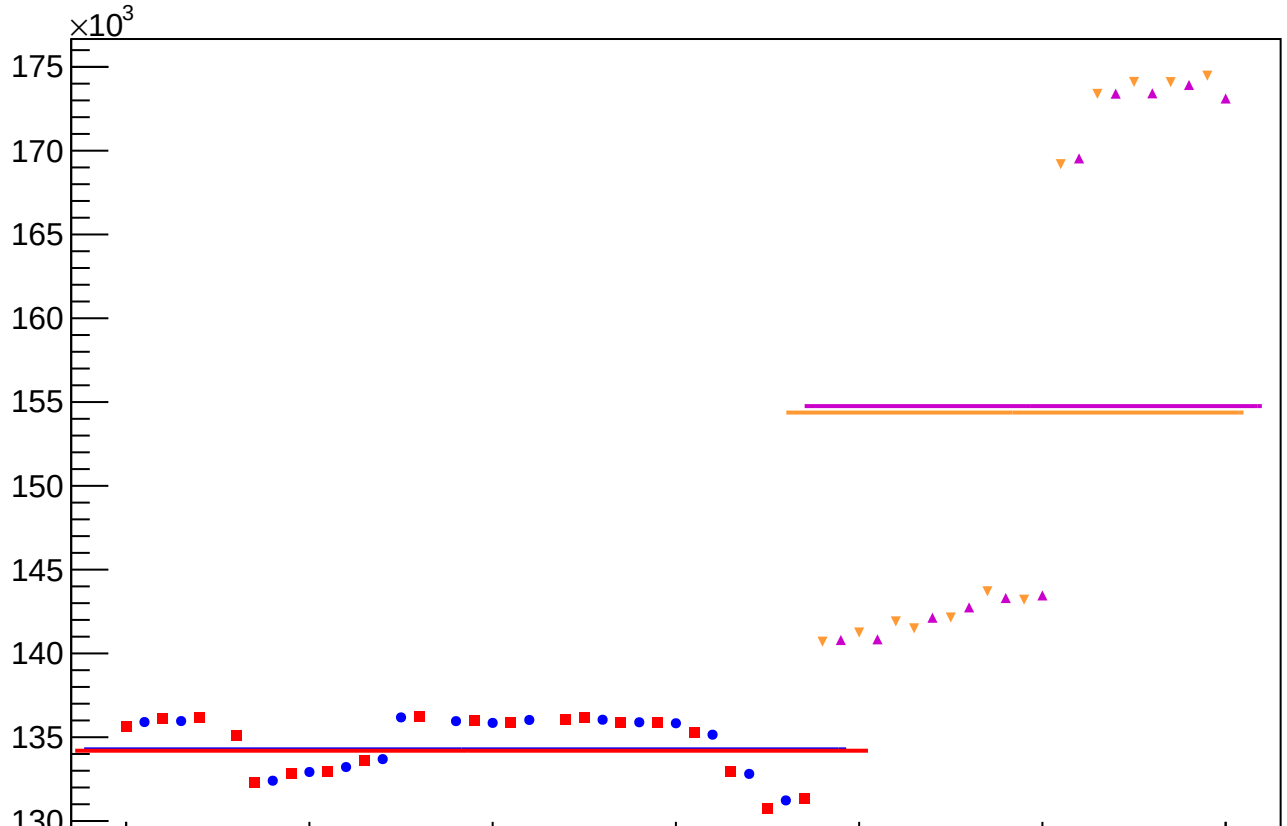
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 185.964+/-0.043 χ^2/NDF:79116.1/10

+ sign 174.086+/-0.031 χ^2/NDF: 1247043.7/27

All: 172.866+/-0.022 χ^2/NDF: 2805729.9/57

- sign 171.697+/-0.030 χ^2/NDF: 1555674.7/29



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 154373.703+/-0.060 χ^2/NDF:64596515131.8/11

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

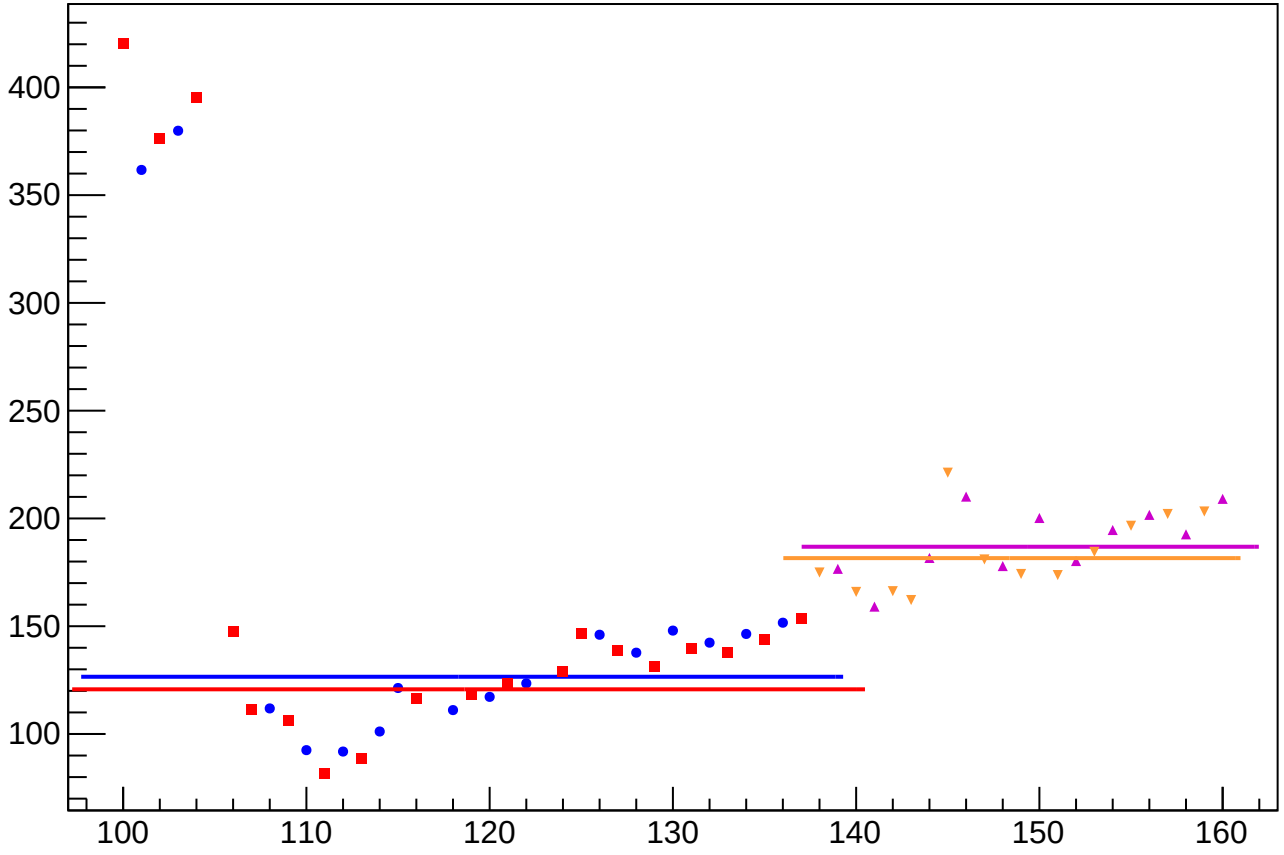
Left In: 154758.053+/-0.061 χ^2/NDF:60757886394.4/10

+ sign 142728.453+/-0.039 χ^2/NDF: 13149937817

All: 142366.467+/-0.027 χ^2/NDF: 2635851

- sign 142021.717+/-0.038 χ^2/NDF: 131888219084

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 181.594+/-0.042 χ^2/NDF:150499.3/11

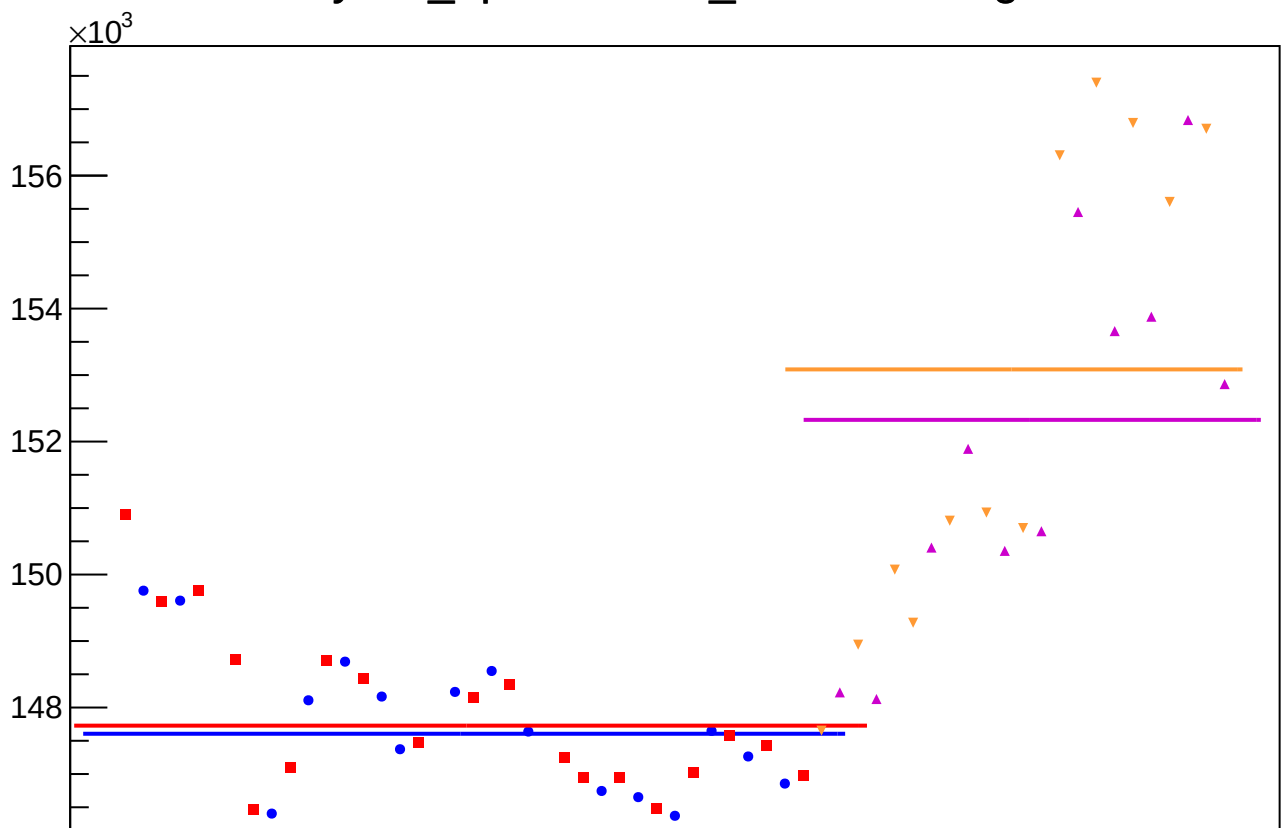
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 186.872+/-0.043 χ^2/NDF:127560.9/10

+ sign 149.700+/-0.027 χ^2/NDF: 2614454.1/27

All: 147.754+/-0.019 χ^2/NDF: 5831859.1/57

- 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: 153085.390+/-0.067 χ^2/NDF:2906602056.9/11

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

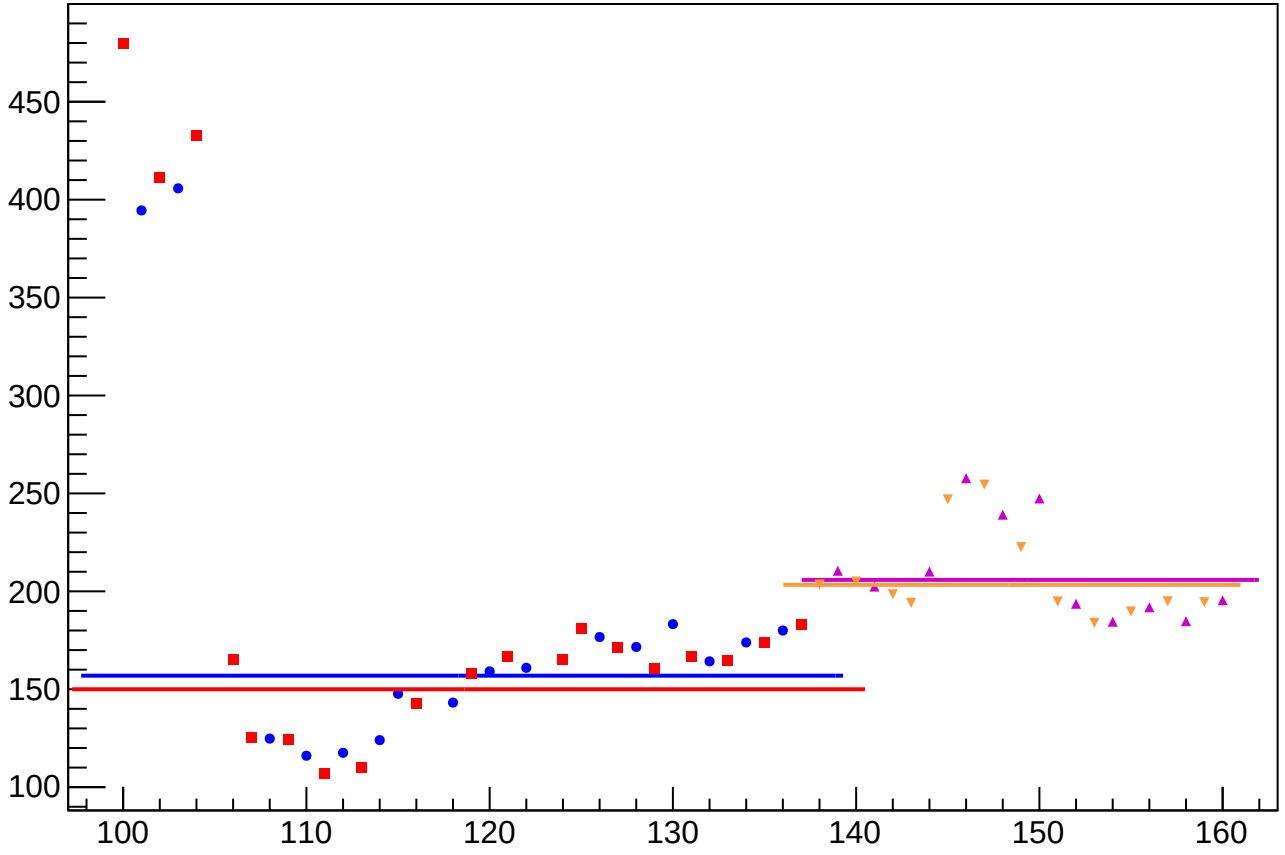
Left In: 152326.556+/-0.068 χ^2/NDF:1708498939.9/10

+ sign 150161.440+/-0.046 χ^2/NDF: 6695480397.5

All: 149932.048+/-0.032 χ^2/NDF: 11279419

- 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: 203.319+/-0.047 χ^2/NDF:169059.7/11

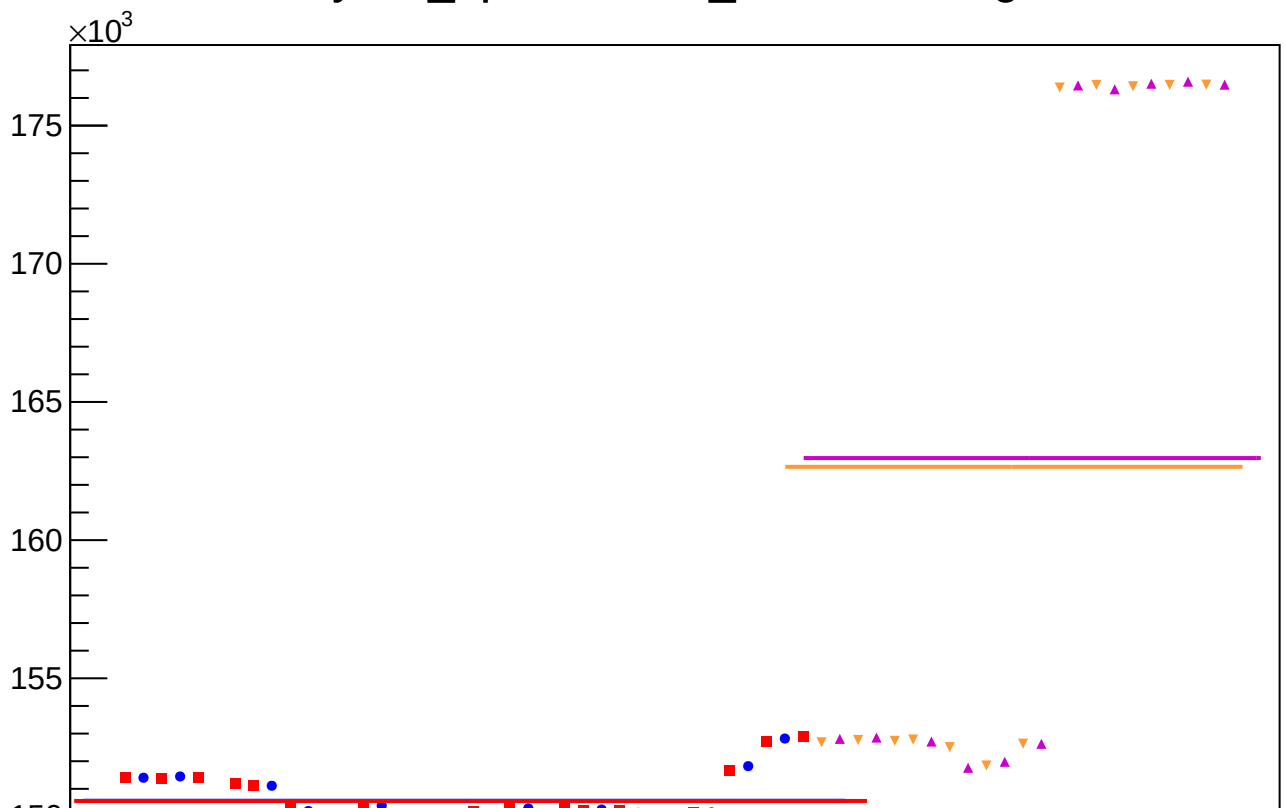
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 205.848+/-0.048 χ^2/NDF:221399.0/10

+ sign 178.565+/-0.032 χ^2/NDF: 1949213.9/27

All: 176.286+/-0.023 χ^2/NDF: 4410522.3/57

- 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: 162652.751+/-0.058 χ^2/NDF:41008968947.9/11

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

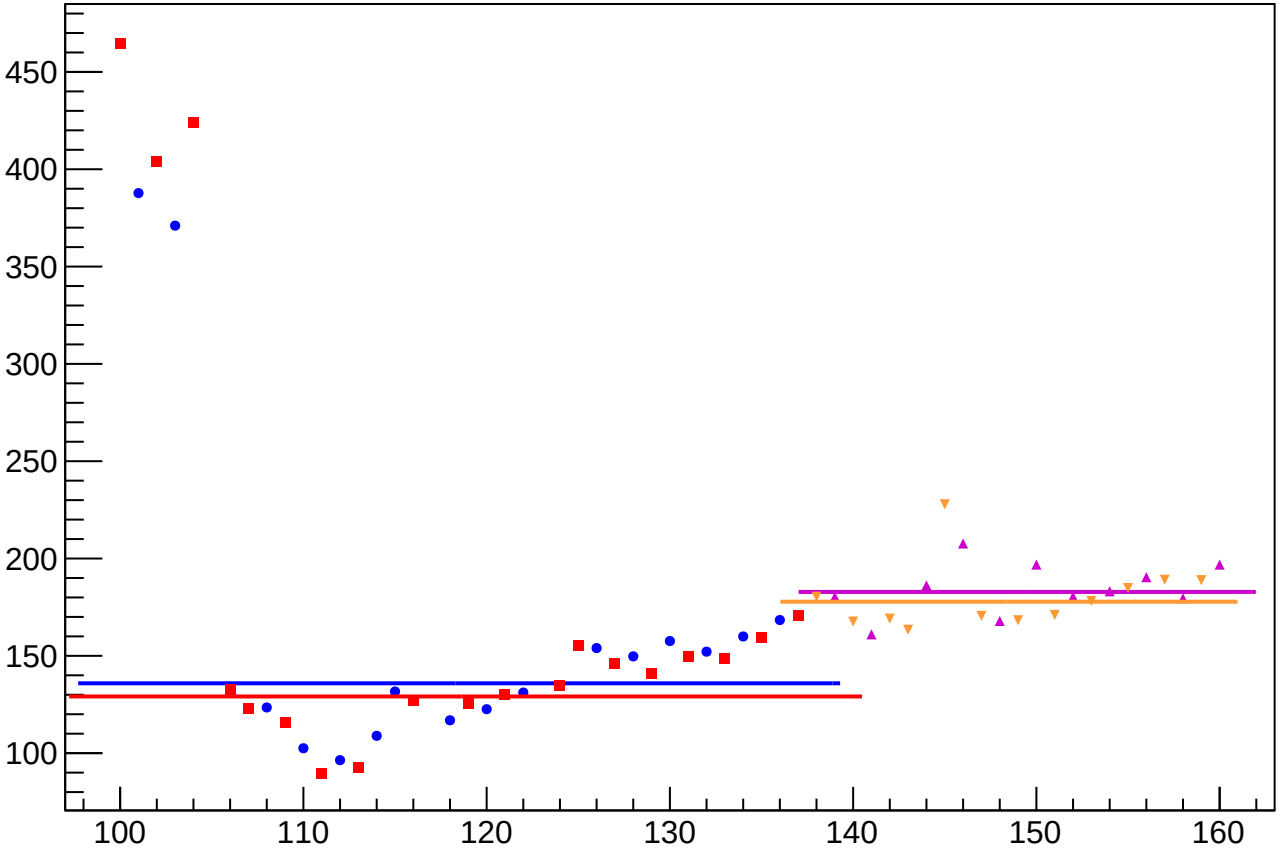
Left In: 162970.434+/-0.060 χ^2/NDF:39636251368.7/10

+ sign 156218.456+/-0.040 χ^2/NDF: 64138734795.

All: 155997.140+/-0.028 χ^2/NDF: 12898145

- sign 155787.450+/-0.039 χ^2/NDF: 64782651990.

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 177.817+/-0.041 χ^2/NDF:123799.5/11

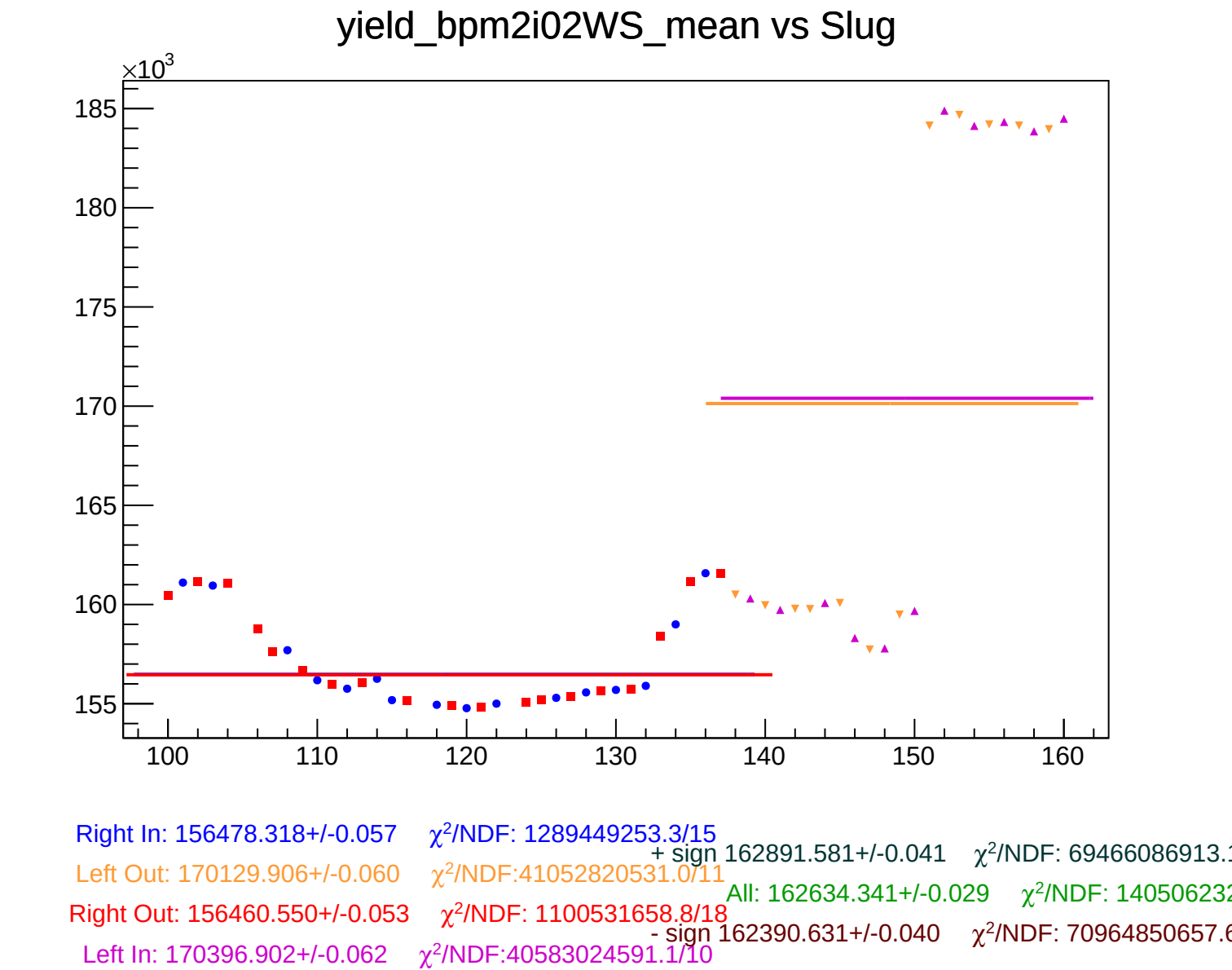
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 182.829+/-0.042 χ^2/NDF:91904.6/10

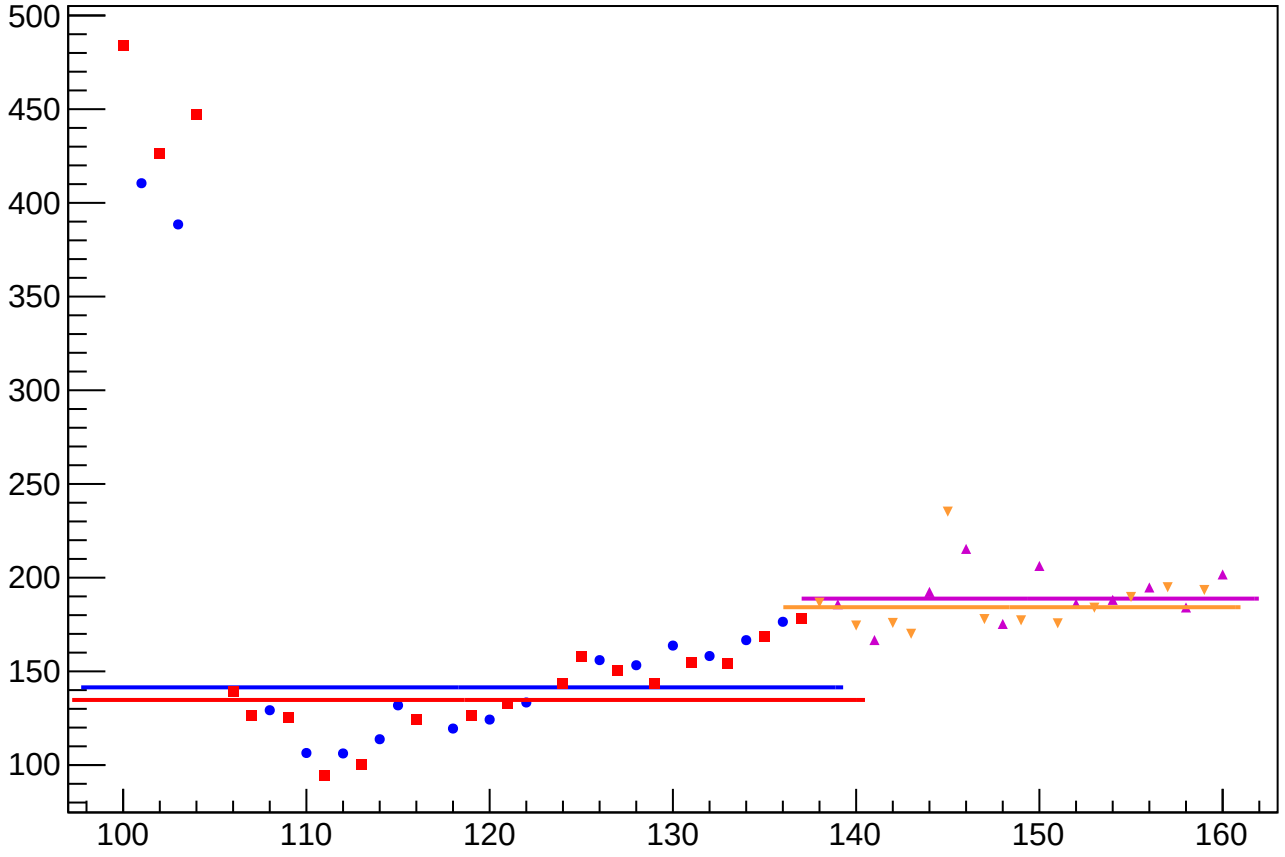
+ sign 155.496+/-0.028 χ^2/NDF: 2091147.3/27

All: 153.570+/-0.020 χ^2/NDF: 4740884.3/57

- 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: 170129.906+/-0.060 χ²/NDF:41052820531.0/11
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 170396.902+/-0.062 χ²/NDF:40583024591.1/10
+ sign 162891.581+/-0.041 χ²/NDF: 69466086913.1
All: 162634.341+/-0.029 χ²/NDF: 14050623
- sign 162390.631+/-0.040 χ²/NDF: 70964850657.6

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 184.238+/-0.043 χ^2/NDF:112952.7/11

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

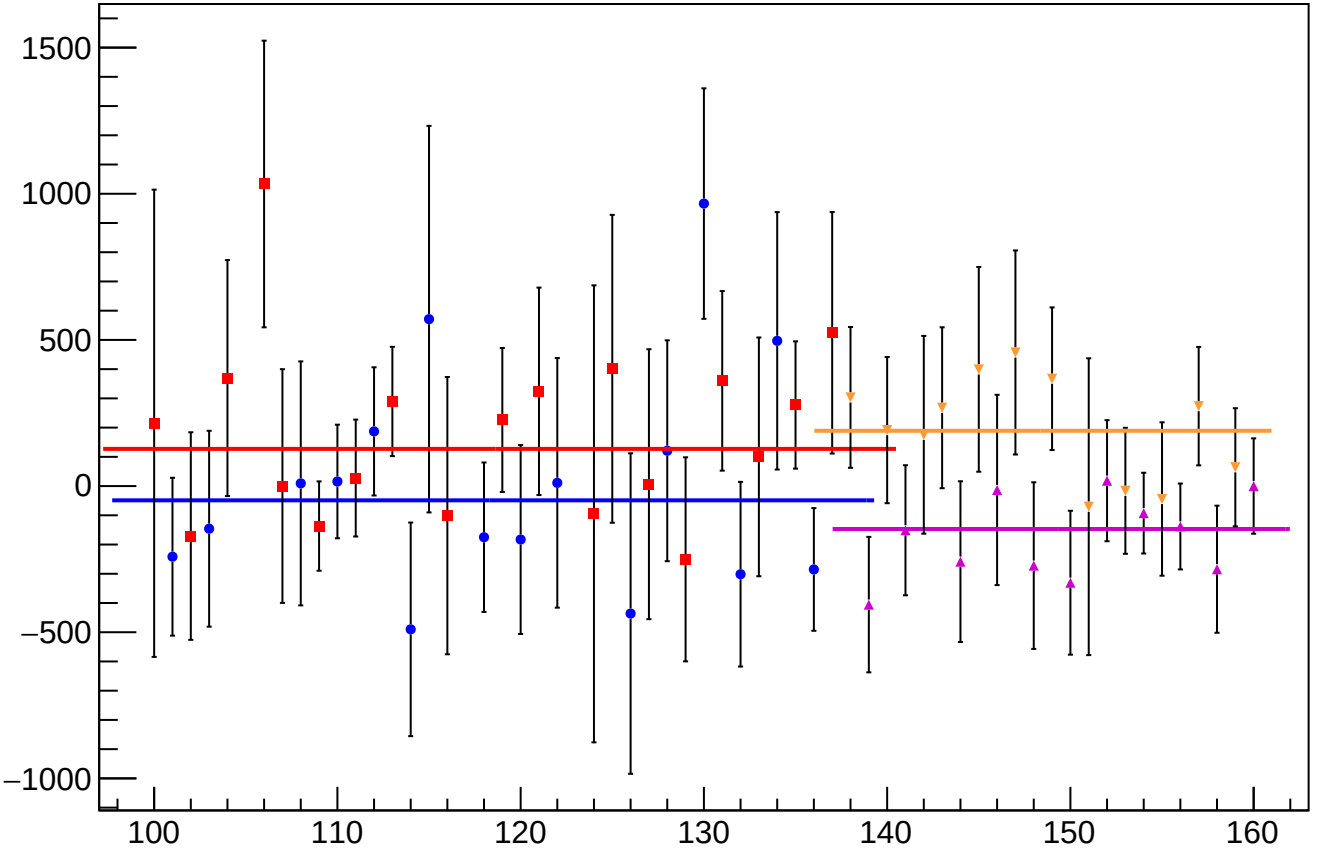
Left In: 188.822+/-0.044 χ^2/NDF:90584.5/10

+ sign 161.561+/-0.029 χ^2/NDF: 2037292.3/27

All: 159.607+/-0.020 χ^2/NDF: 4597318.1/57

- 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: 189.199+/-75.140 χ^2/NDF:4.3/11

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

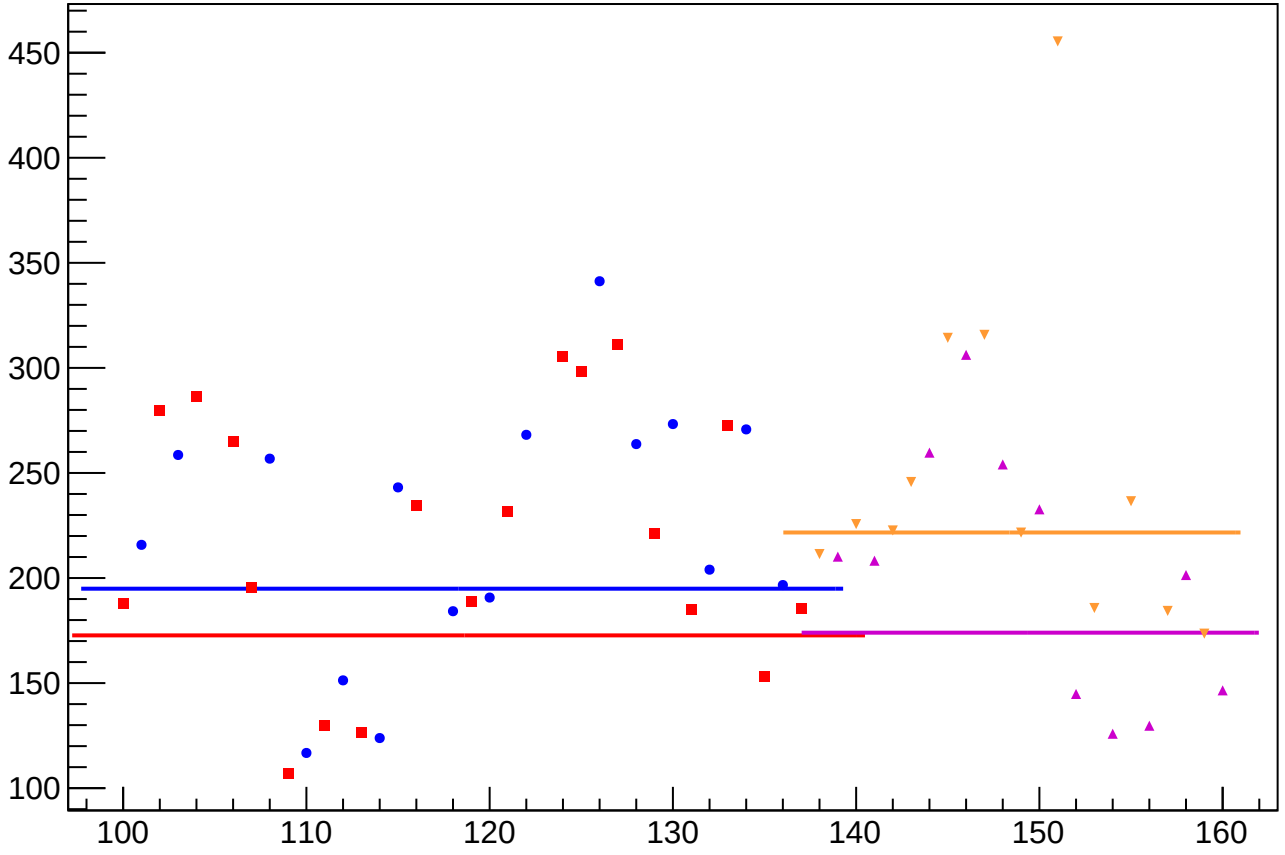
Left In: -146.804+/-60.735 χ^2/NDF:4.3/10

+ sign 72.501+/-53.638 χ^2/NDF: 24.7/27

All: 15.048+/-34.674 χ^2/NDF: 52.8/57

- 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: 221.673+/-0.053 χ^2/NDF:971809.9/11

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

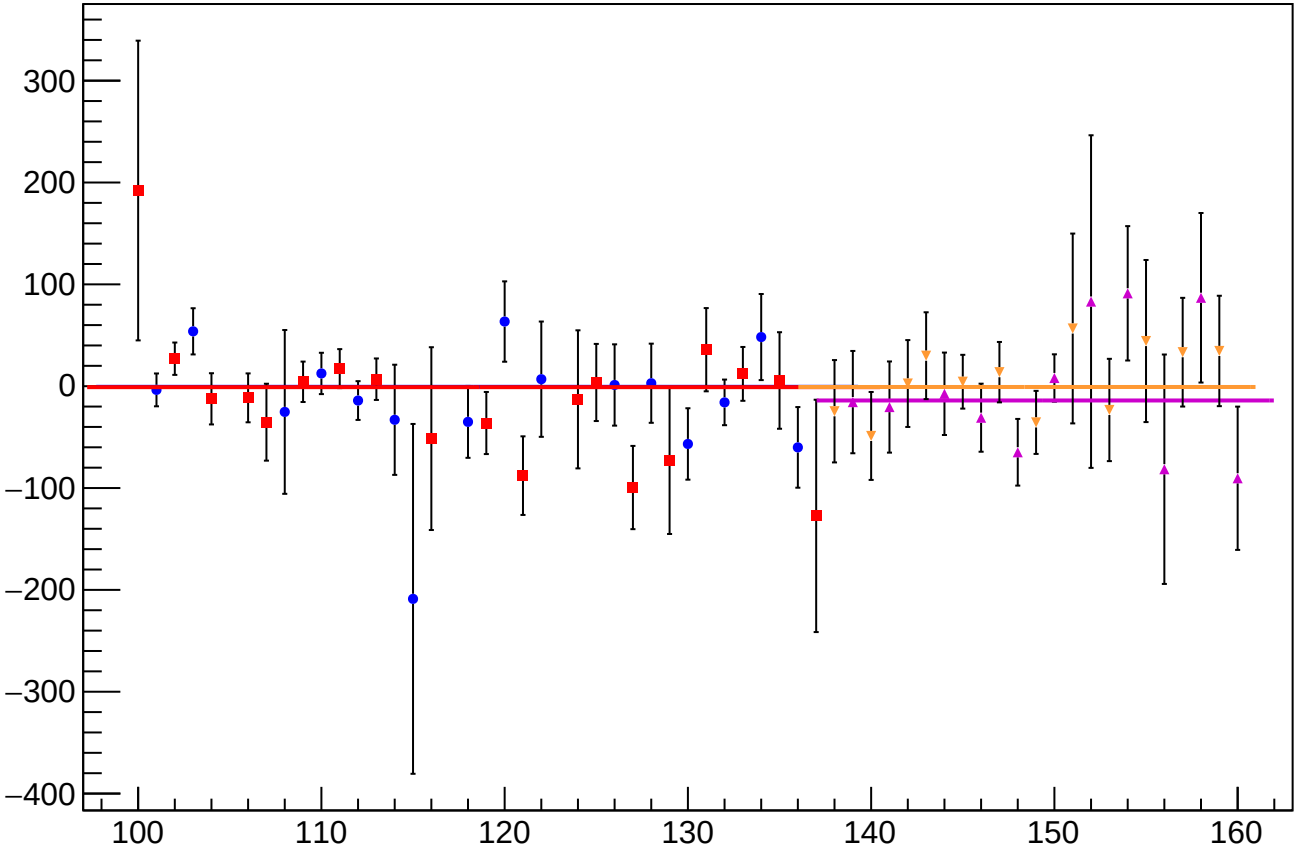
Left In: 173.991+/-0.043 χ^2/NDF:1444201.8/10

+ sign 208.554+/-0.038 χ^2/NDF: 2125029.9/27

All: 188.105+/-0.025 χ^2/NDF: 5700358.0/57

- sign 173.425+/-0.032 χ^2/NDF: 3075947.5/29

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -0.768+/-11.946 χ^2/NDF:5.3/11

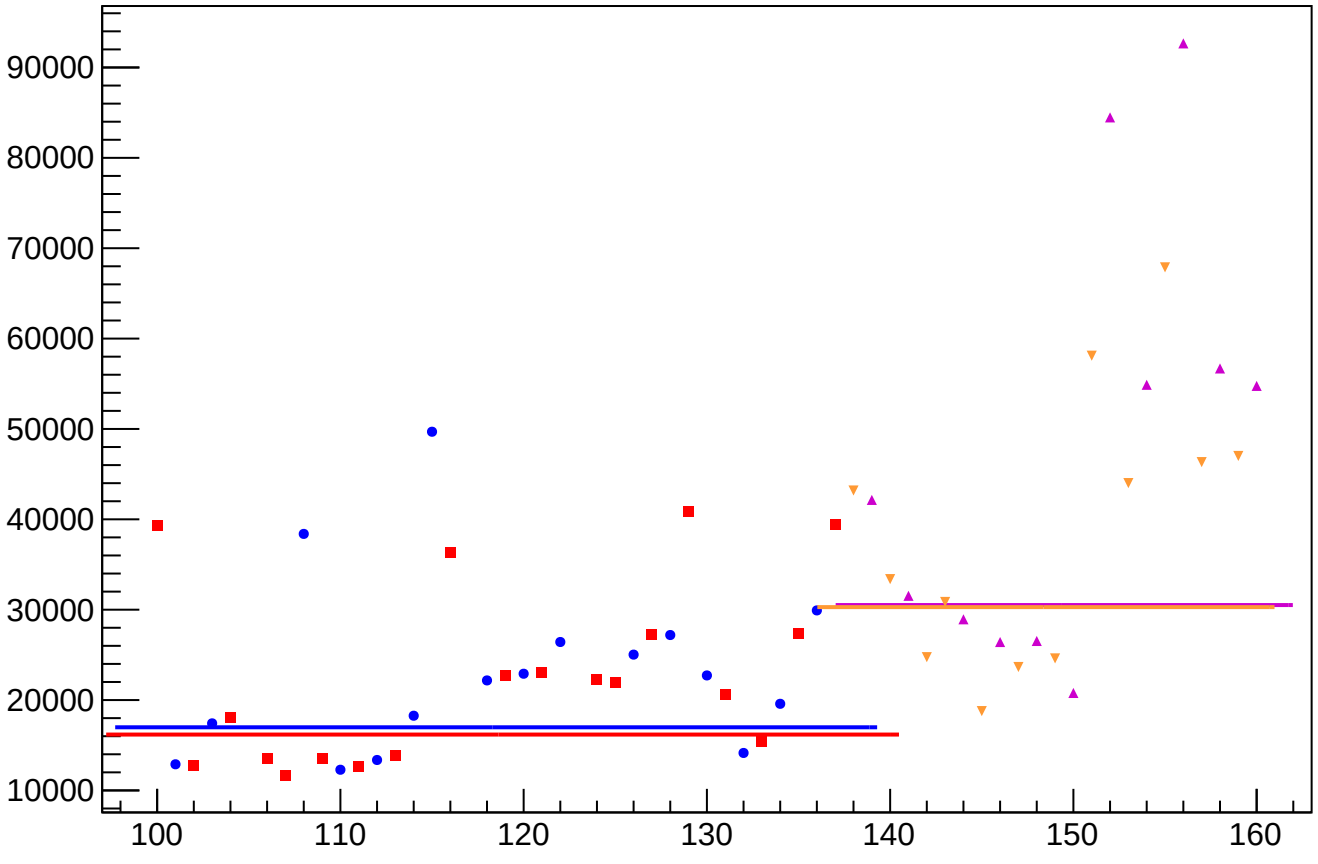
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -14.017+/-13.043 χ^2/NDF:9.5/10

+ sign -0.663+/-6.254 χ^2/NDF: 24.2/27

All: -2.249+/-4.332 χ^2/NDF: 57.6/57

- 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: 30283.943+/-8.447 χ^2/NDF:1868336.5/11

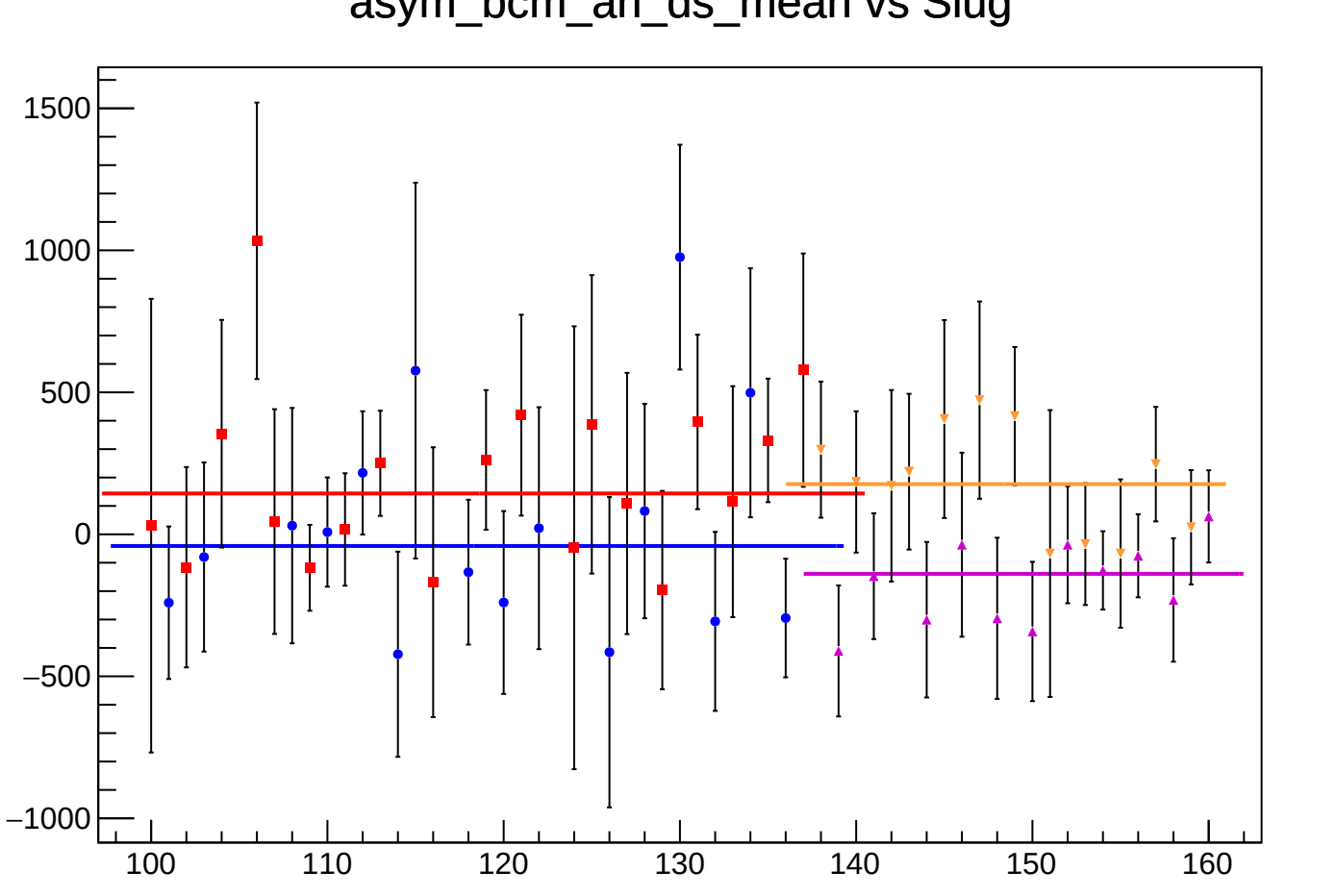
Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 30512.471+/-9.223 χ^2/NDF:2056833.8/10

+ sign 20631.003+/-4.422 χ^2/NDF: 4861410.7/27

All: 19897.631+/-3.063 χ^2/NDF: 10124795.6

- sign 19221.098+/-4.247 χ^2/NDF: 5210512.4/29



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 176.759+/-74.817 χ^2/NDF:5.2/11

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

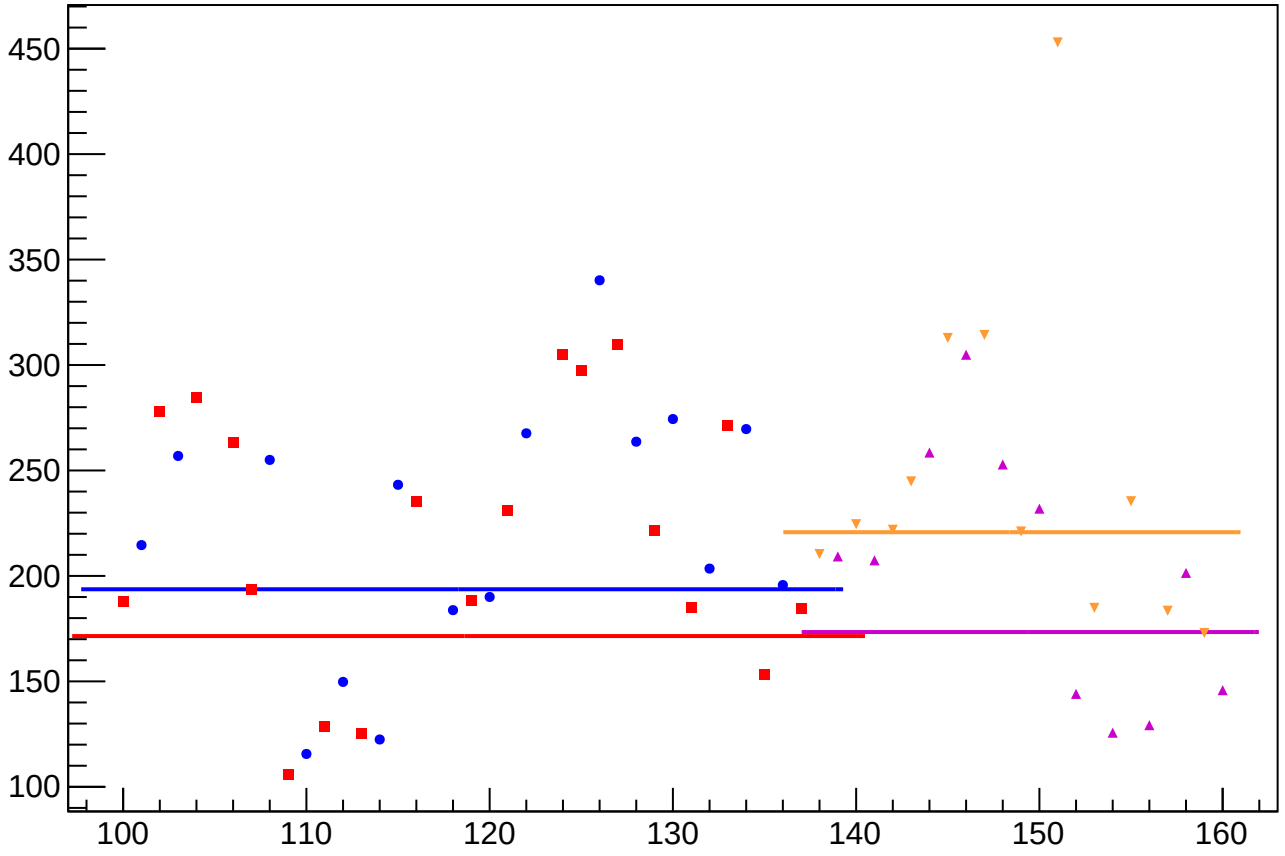
Left In: -139.173+/-60.518 χ^2/NDF:5.0/10

+ sign 69.788+/-53.371 χ^2/NDF: 24.8/27

All: 20.872+/-34.506 χ^2/NDF: 53.9/57

- 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: 220.736+/-0.053 χ^2/NDF:970398.1/11

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

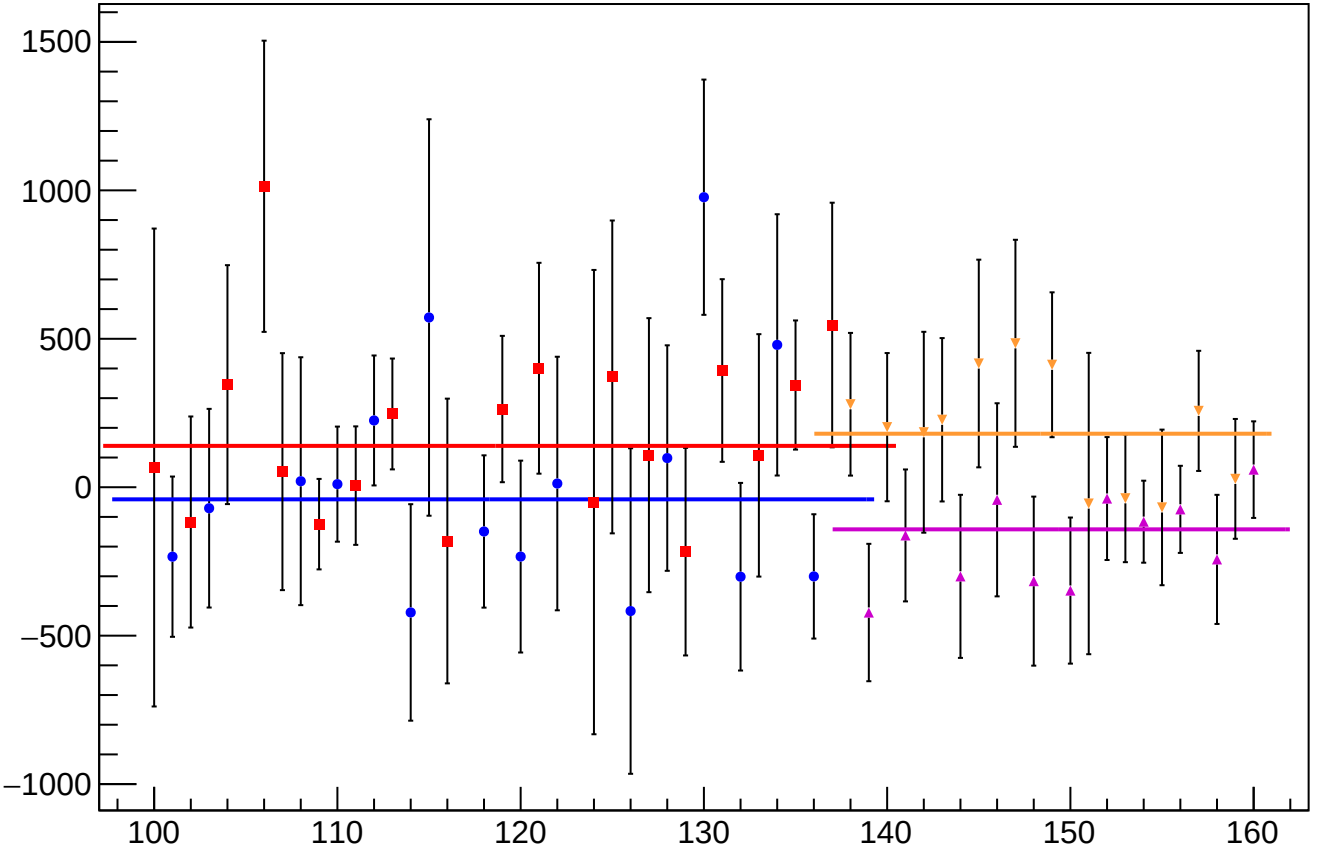
Left In: 173.390+/-0.043 χ^2/NDF:1441813.9/10

+ sign 207.443+/-0.038 χ^2/NDF: 2148715.7/27

All: 187.135+/-0.024 χ^2/NDF: 5741970.7/57

- 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: 180.250+/-75.062 χ^2/NDF:5.2/11

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

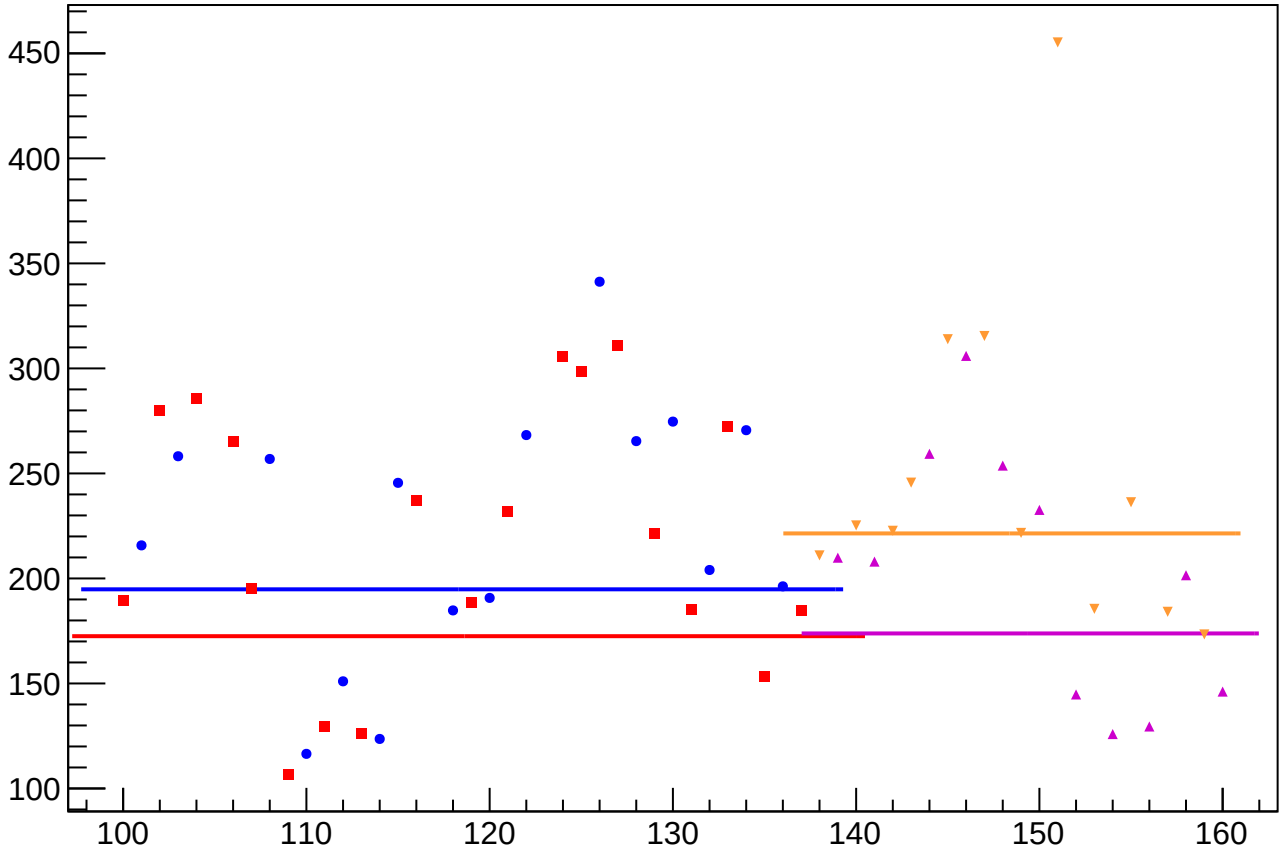
Left In: -141.895+/-60.674 χ^2/NDF:5.2/10

+ sign 71.937+/-53.605 χ^2/NDF: 24.8/27

All: 19.461+/-34.648 χ^2/NDF: 54.0/57

- 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: 221.435+/-0.053 χ^2/NDF:972806.0/11

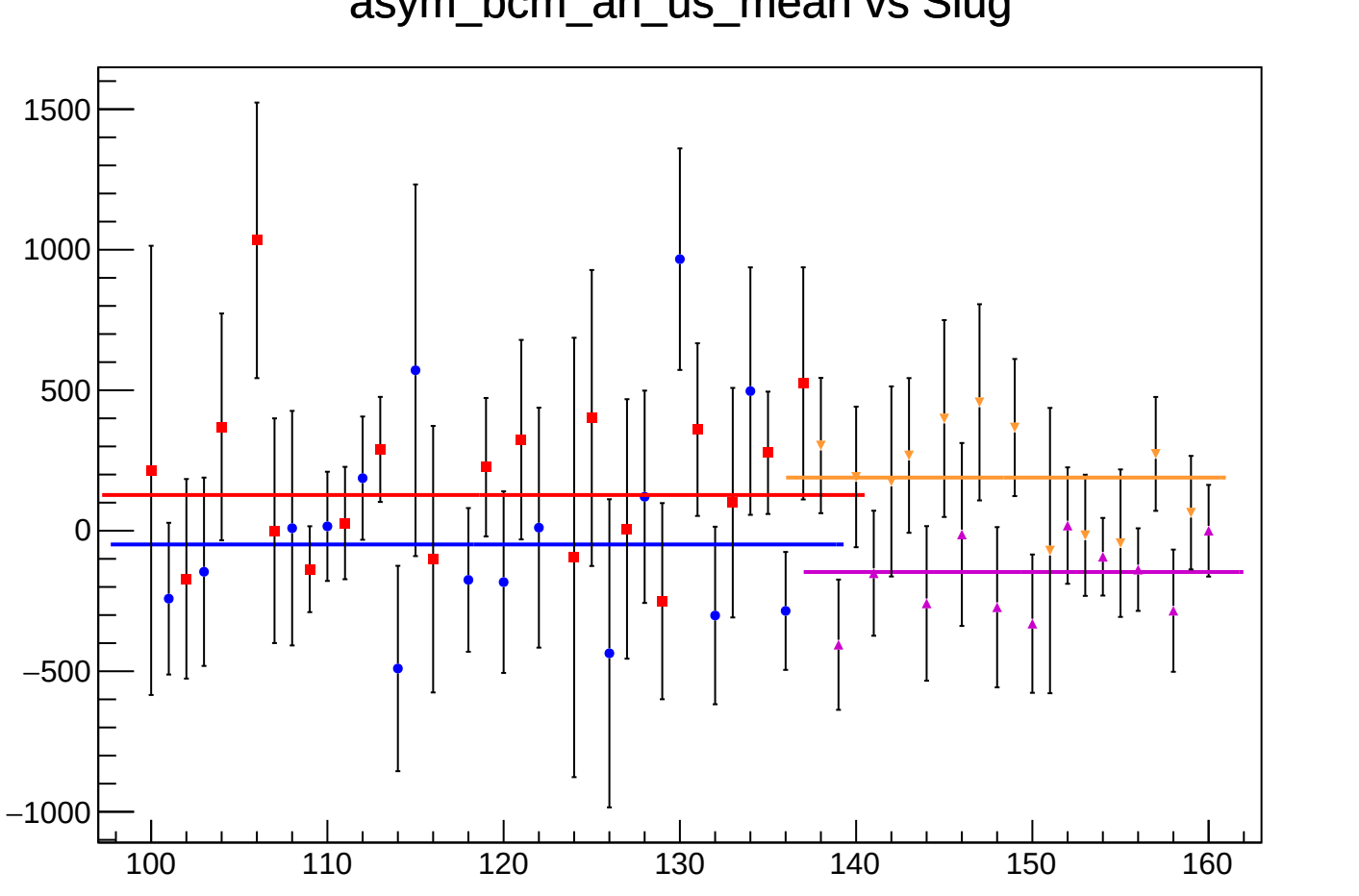
Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 173.814+/-0.043 χ^2/NDF:1444653.1/10

+ sign 208.394+/-0.038 χ^2/NDF: 2135116.6/27

All: 187.925+/-0.024 χ^2/NDF: 5723058.6/57

- sign 173.239+/-0.032 χ^2/NDF: 3087120.4/29



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 189.199+/-75.140 χ^2/NDF:4.3/11

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

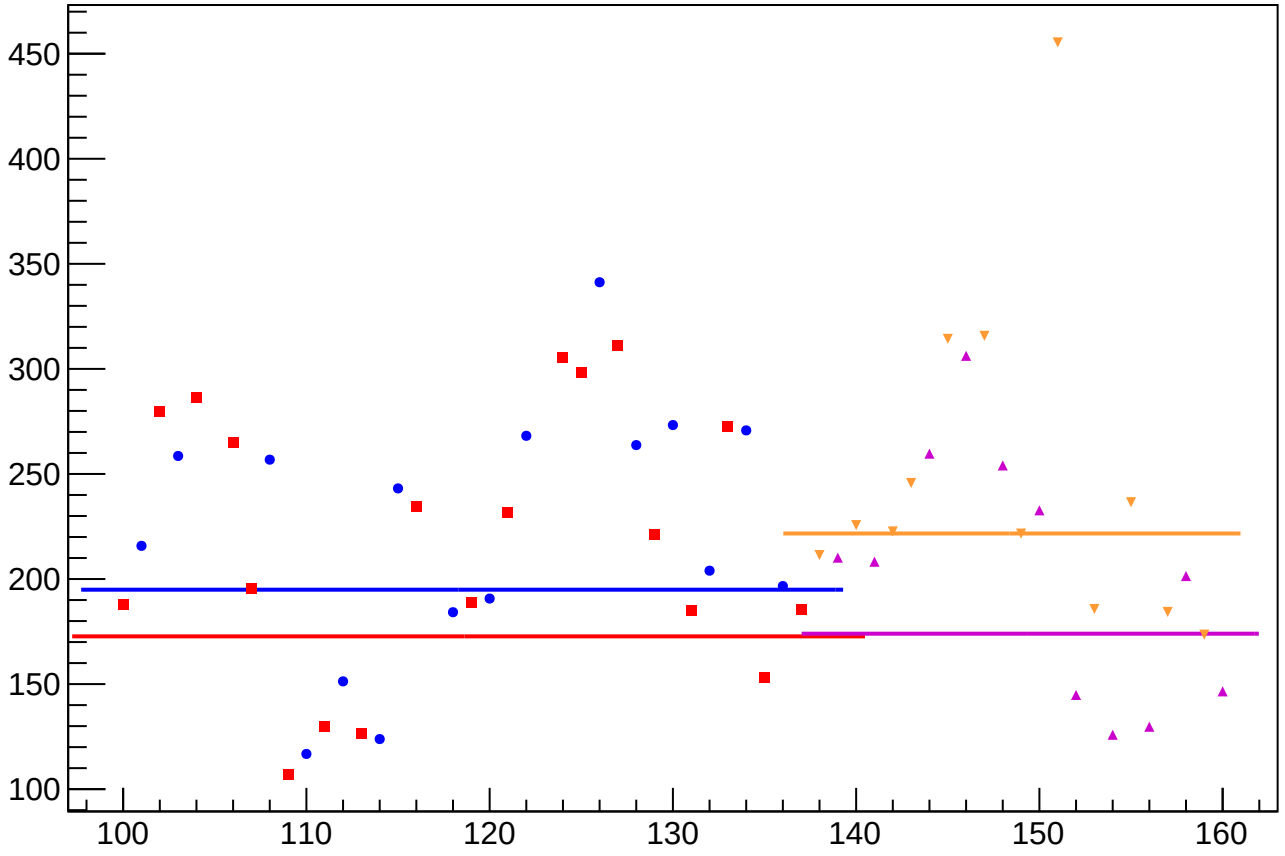
Left In: -146.804+/-60.735 χ^2/NDF:4.3/10

+ sign 72.501+/-53.638 χ^2/NDF: 24.7/27

All: 15.048+/-34.674 χ^2/NDF: 52.8/57

- 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: 221.673+/-0.053 χ^2/NDF:971809.9/11

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

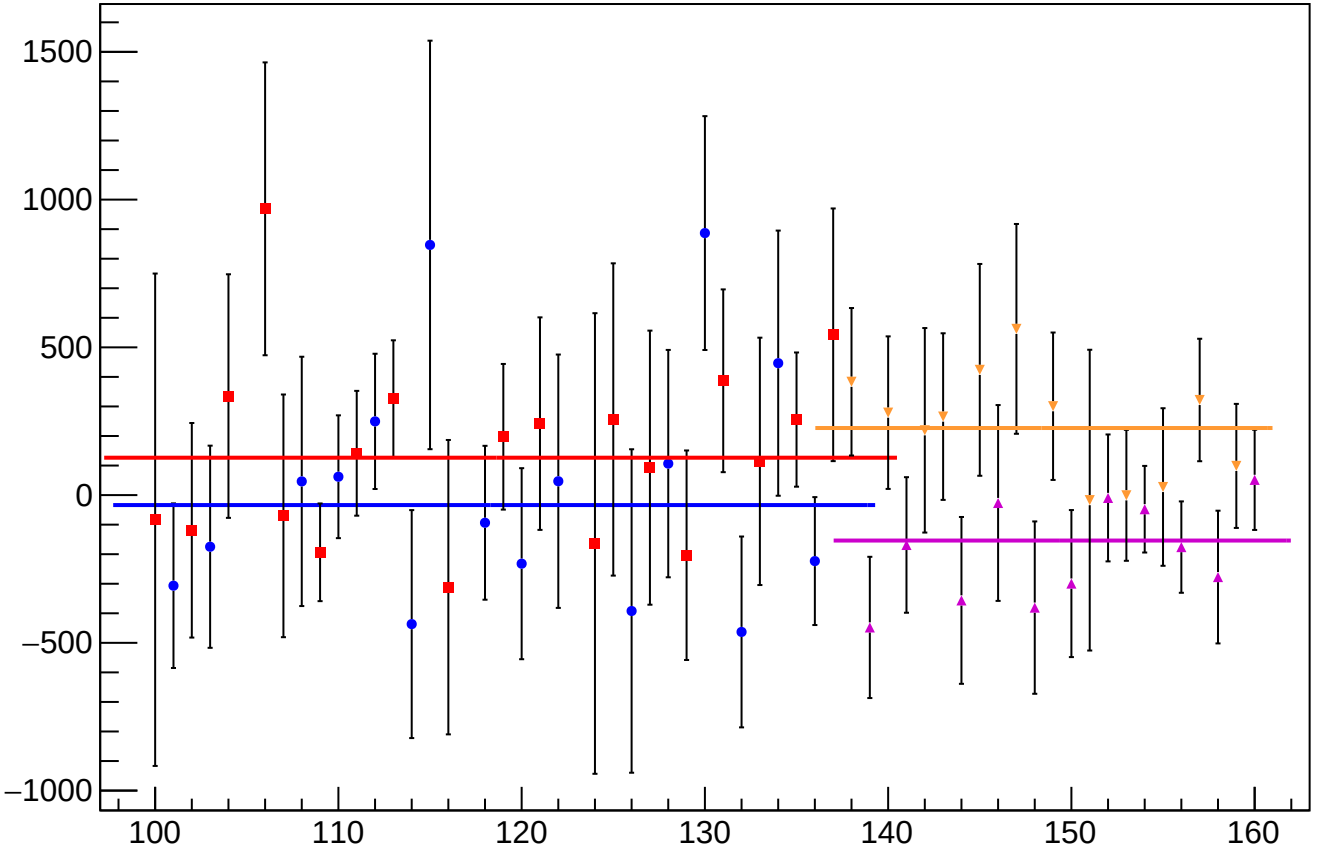
Left In: 173.991+/-0.043 χ^2/NDF:1444201.8/10

+ sign 208.554+/-0.038 χ^2/NDF: 2125029.9/27

All: 188.105+/-0.025 χ^2/NDF: 5700358.0/57

- 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: 227.029+/-77.137 χ^2/NDF:4.2/11

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

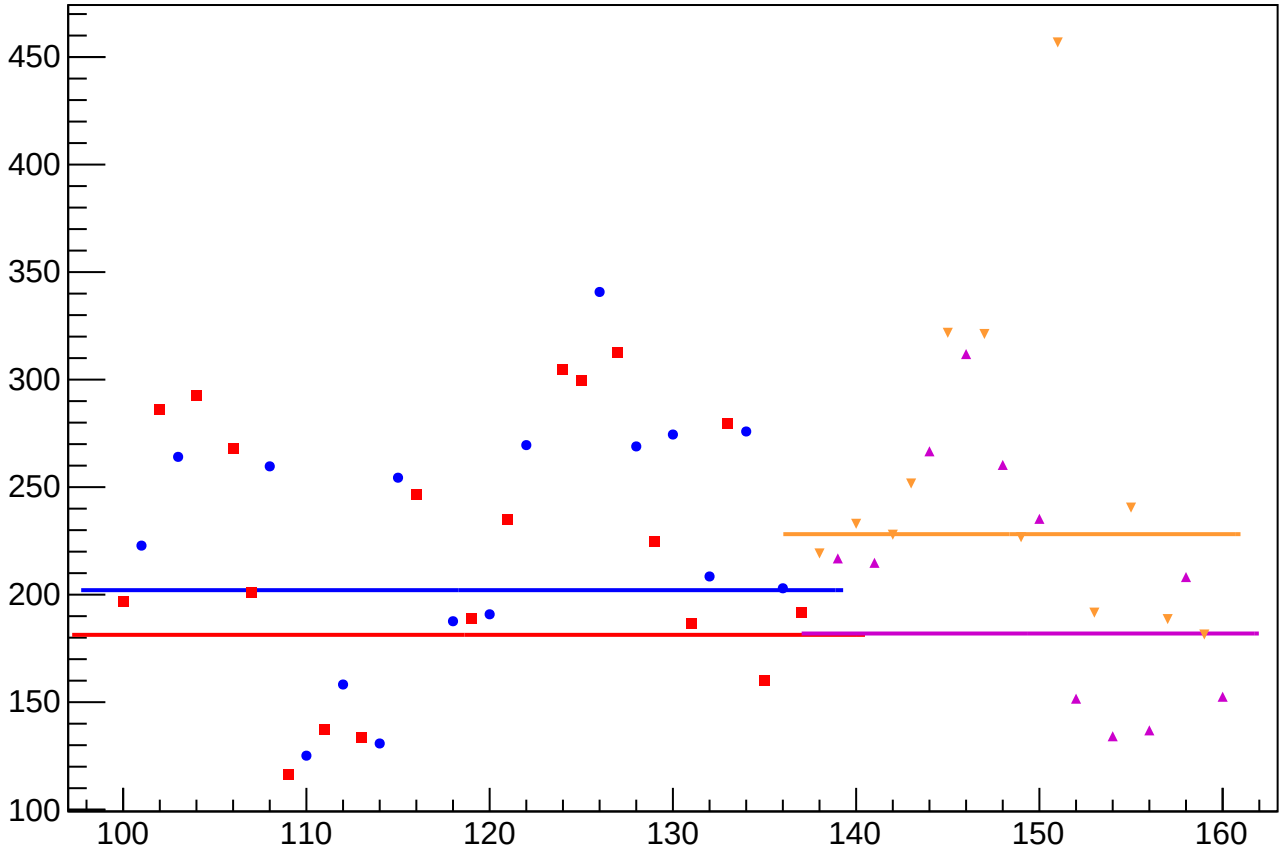
Left In: -153.805+/-63.153 χ^2/NDF:5.9/10

+ sign 99.753+/-55.189 χ^2/NDF: 25.5/27

All: 24.591+/-35.905 χ^2/NDF: 55.9/57

- 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: 228.137+/-0.055 χ^2/NDF:925098.0/11

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

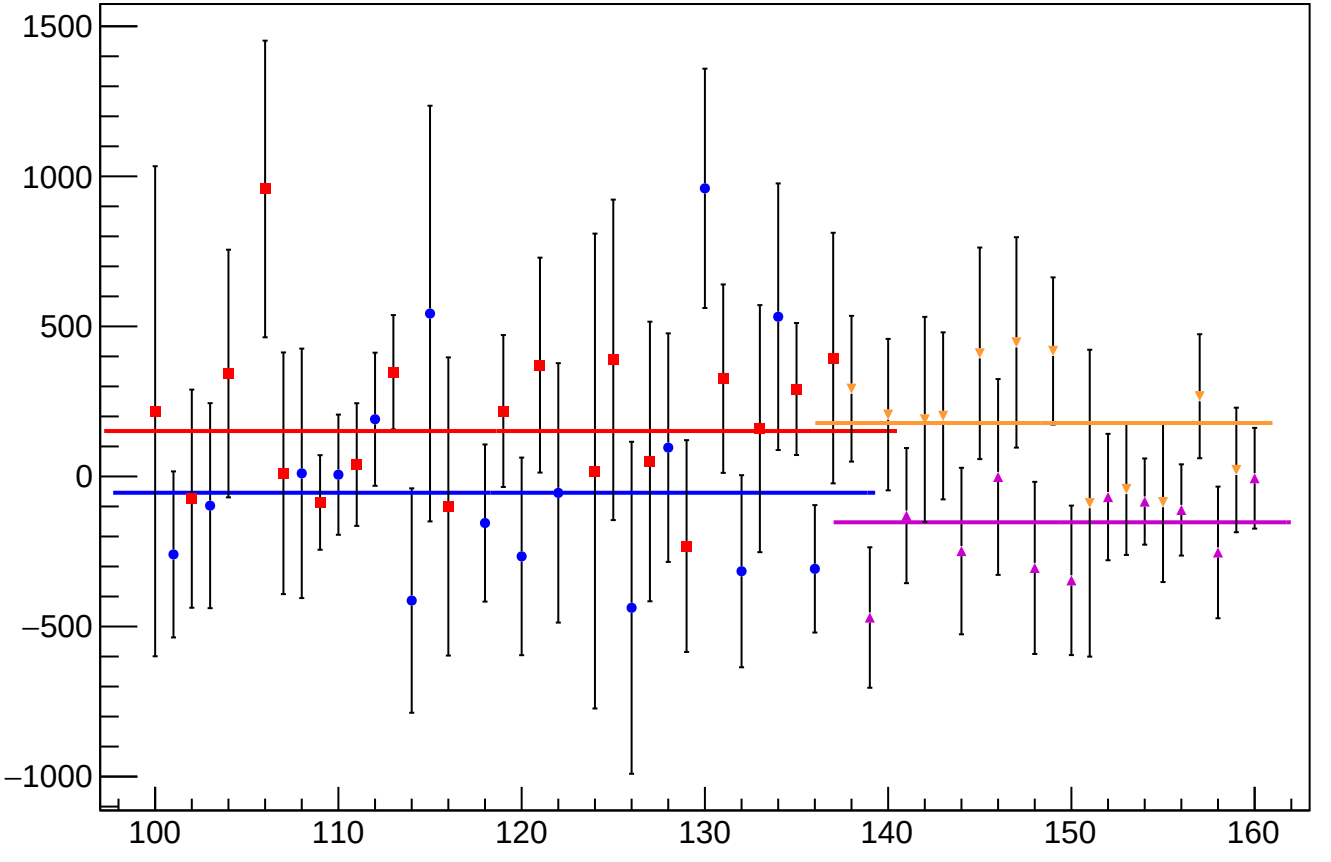
Left In: 181.932+/-0.045 χ^2/NDF:1317426.9/10

+ sign 215.424+/-0.039 χ^2/NDF: 1946664.9/27

All: 195.950+/-0.025 χ^2/NDF: 5136903.2/57

- 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: 178.113+/-76.194 χ^2/NDF:5.2/11

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

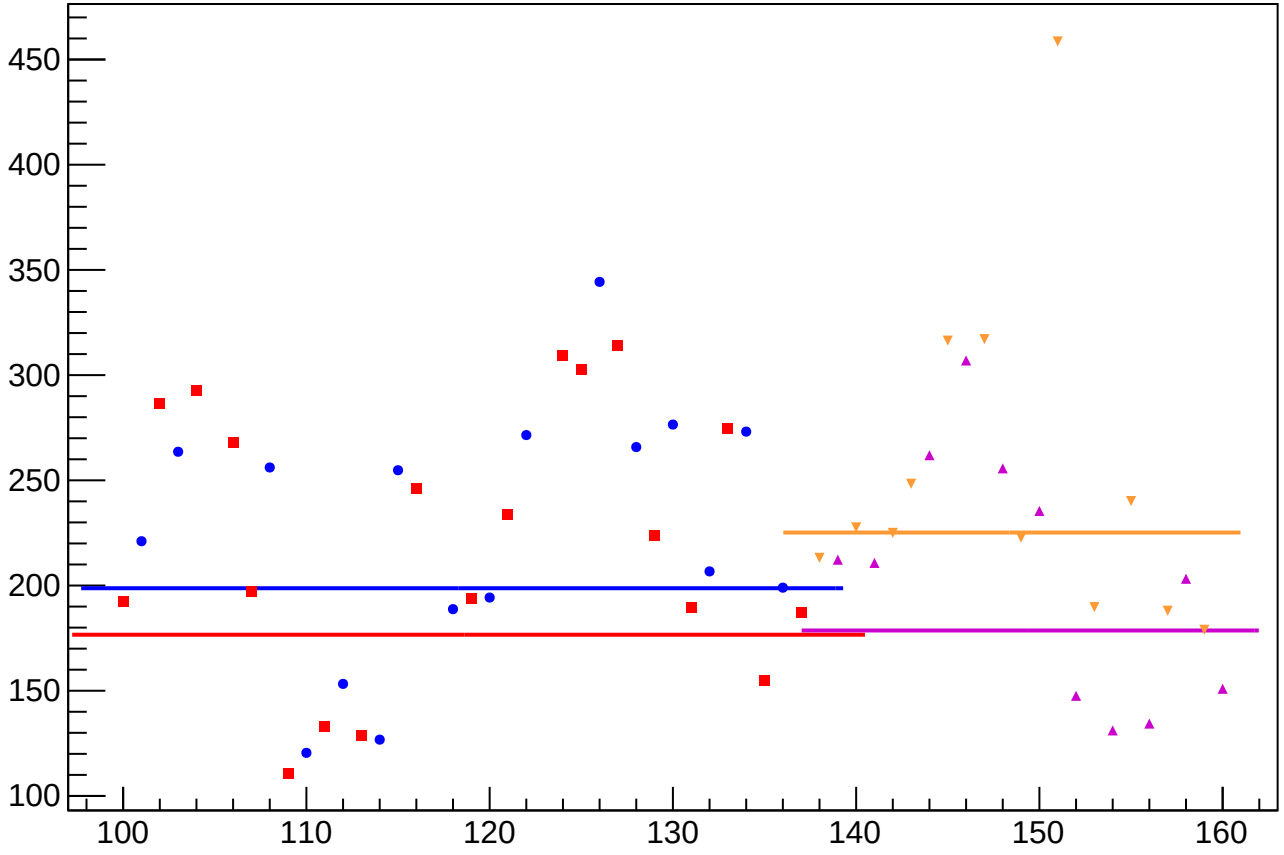
Left In: -152.723+/-62.106 χ^2/NDF:4.5/10

+ sign 64.570+/-54.486 χ^2/NDF: 24.9/27

All: 16.399+/-35.339 χ^2/NDF: 51.5/57

- 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: 225.191+/-0.054 χ^2/NDF:929635.1/11

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

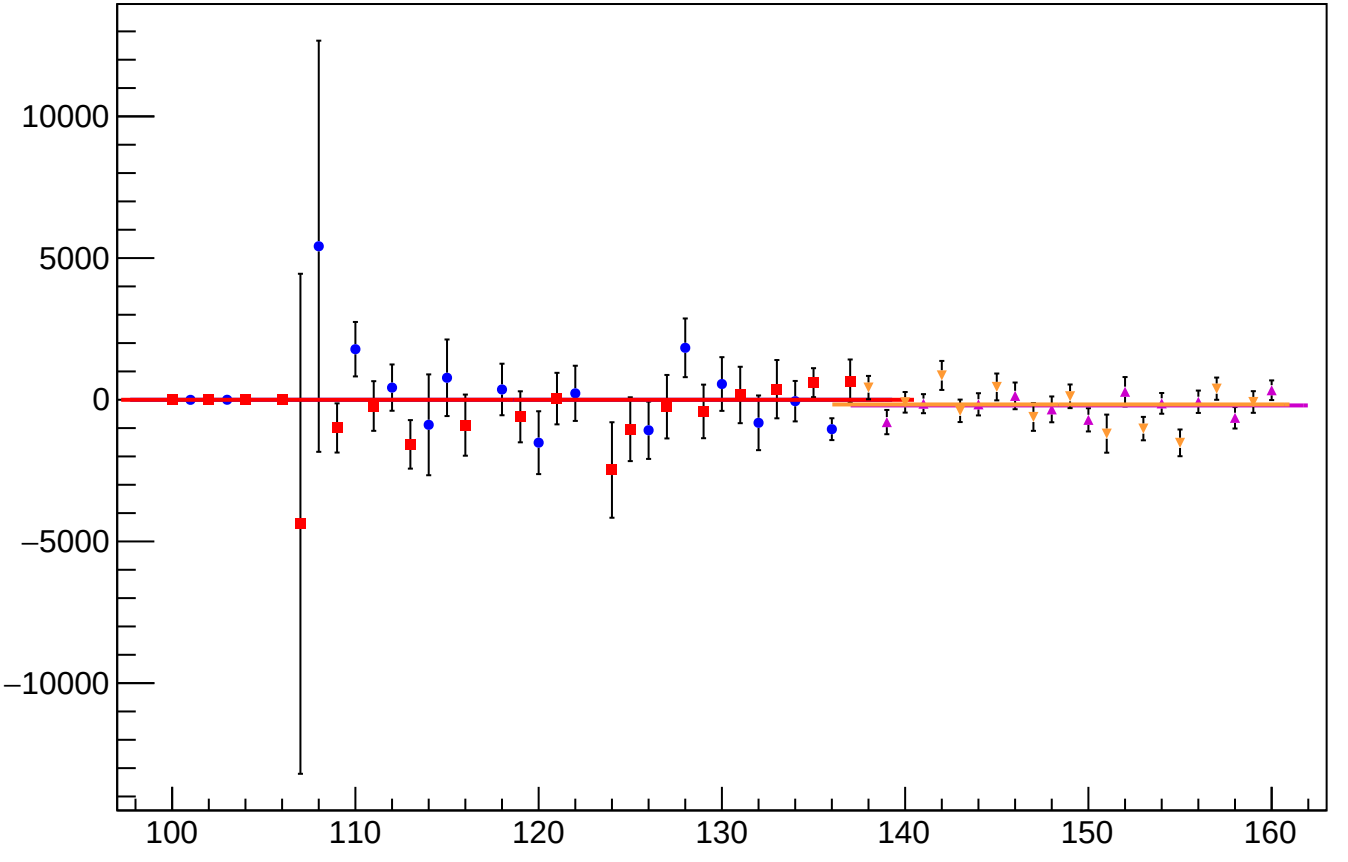
Left In: 178.643+/-0.044 χ^2/NDF:1331523.7/10

+ sign 212.256+/-0.039 χ^2/NDF: 2041672.7/27

All: 192.266+/-0.025 χ^2/NDF: 5434514.5/57

- 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: -165.942+/-125.067 χ^2/NDF:26.4/11

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

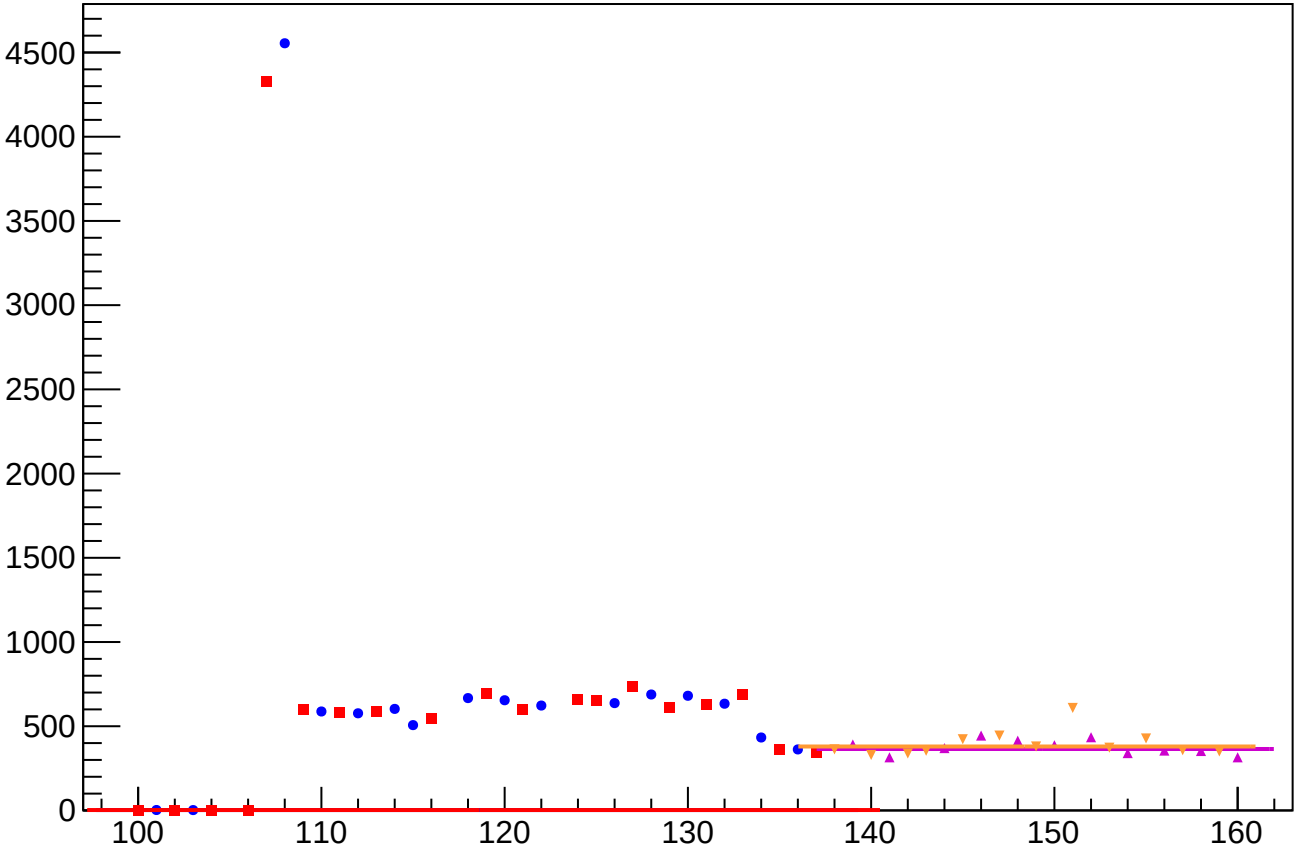
Left In: -200.107+/-120.383 χ^2/NDF:8.8/10

+ sign -1.288+/-2.170 χ^2/NDF: 48.0/27

All: -1.366+/-1.480 χ^2/NDF: 76.4/57

- 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: 379.702+/-0.088 χ^2/NDF:385624.1/11

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

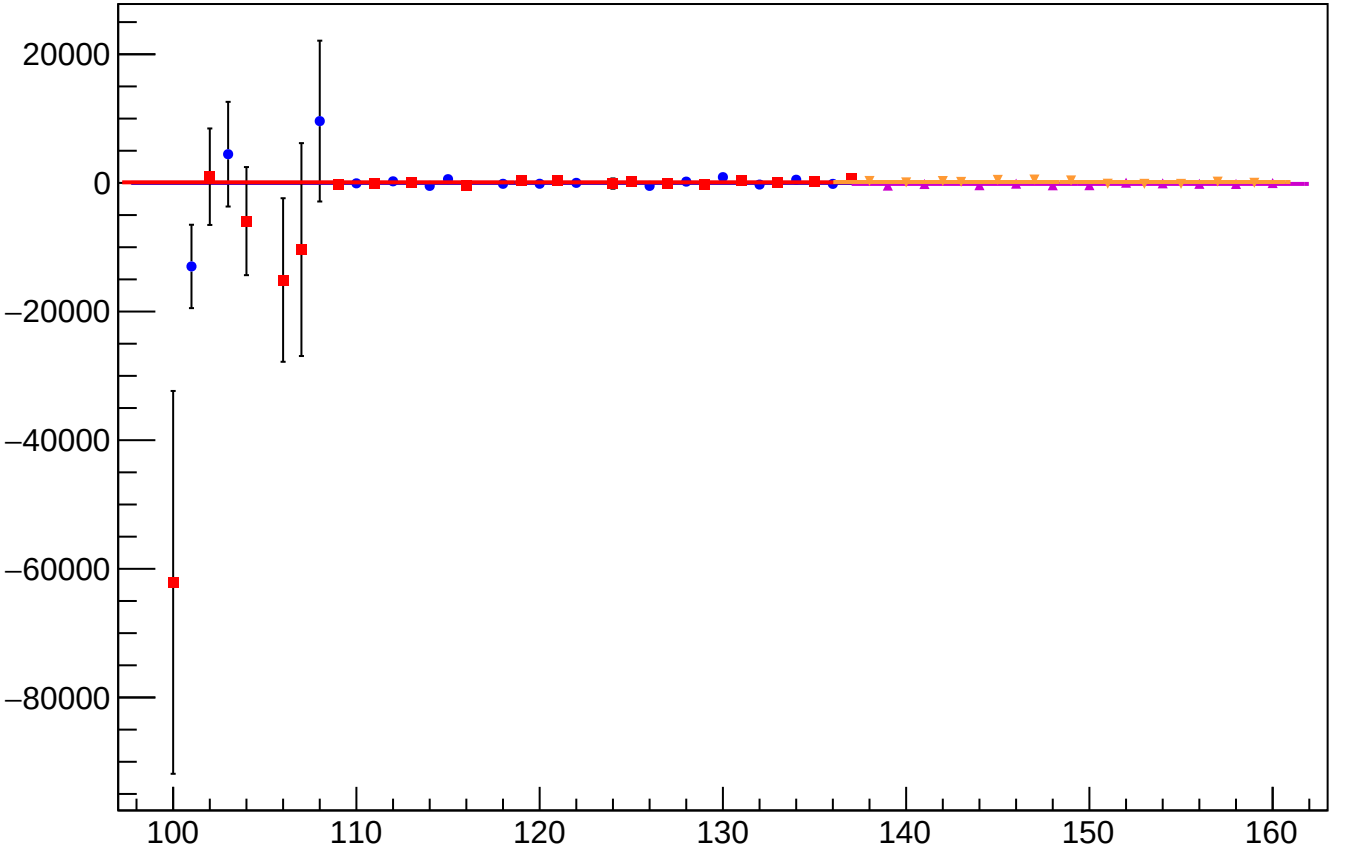
Left In: 364.910+/-0.085 χ^2/NDF:226858.8/10

\+ sign 2.590+/-0.002 χ^2/NDF: 30201101.8/27

All: 2.576+/-0.001 χ^2/NDF: 60098120.9/57

\- 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: 140.820+/-81.794 χ^2/NDF:6.3/11

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

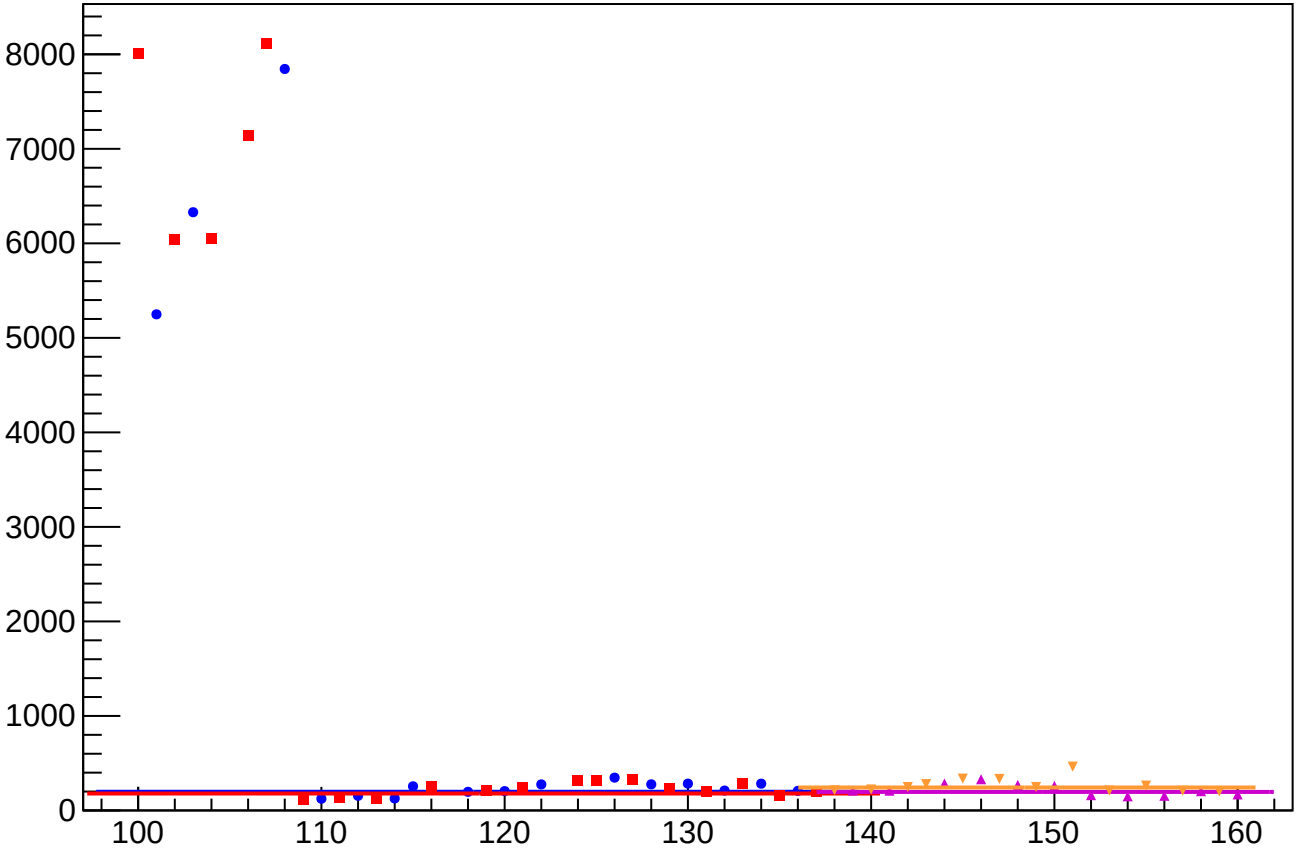
Left In: -156.733+/-67.465 χ^2/NDF:4.3/10

+ sign 75.676+/-59.855 χ^2/NDF: 24.5/27

All: -0.130+/-39.254 χ^2/NDF: 51.8/57

- 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: 242.973+/-0.058 χ^2/NDF:842790.3/11

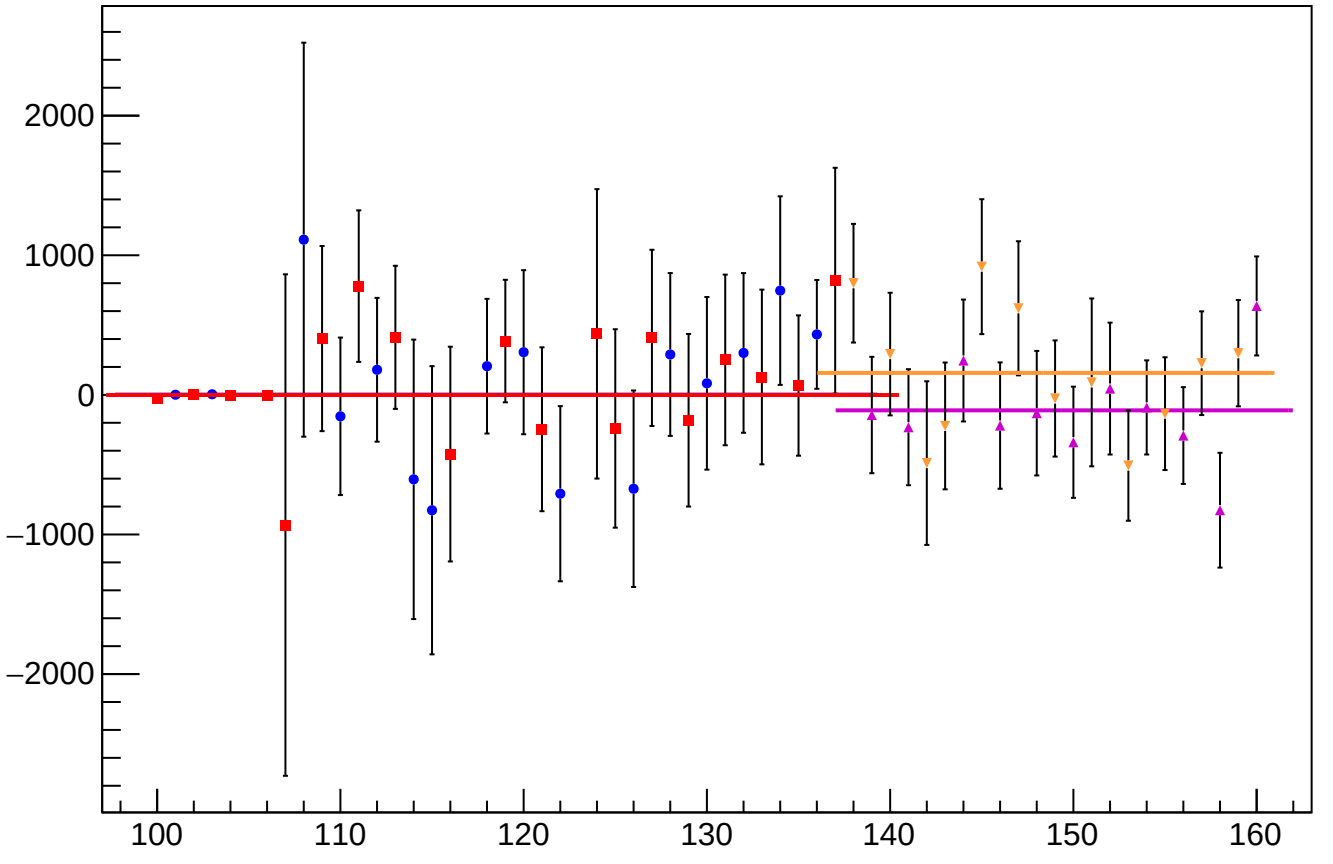
Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 196.072+/-0.048 χ^2/NDF:1063078.3/10

+ sign 221.906+/-0.042 χ^2/NDF: 5085604.2/27

All: 203.291+/-0.028 χ^2/NDF: 10957033.8/57

- sign 189.243+/-0.037 χ^2/NDF: 5531988.2/29



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 157.228+/-126.671 χ^2/NDF:11.4/11

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

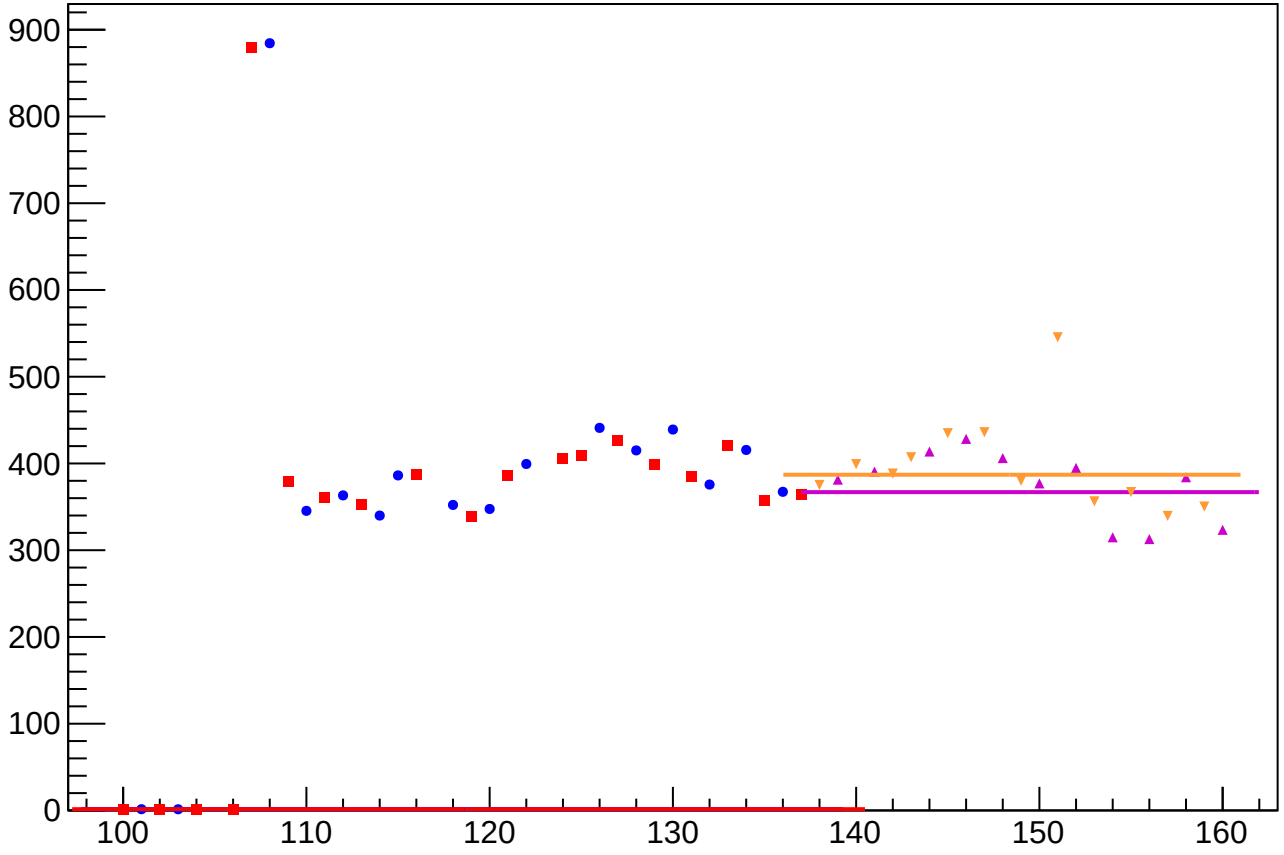
Left In: -110.851+/-120.843 χ^2/NDF:9.0/10

+ sign 1.482+/-1.660 χ^2/NDF: 20.8/27

All: 0.078+/-1.124 χ^2/NDF: 41.1/57

- 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: 387.012+/-0.090 χ^2/NDF:255300.3/11

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

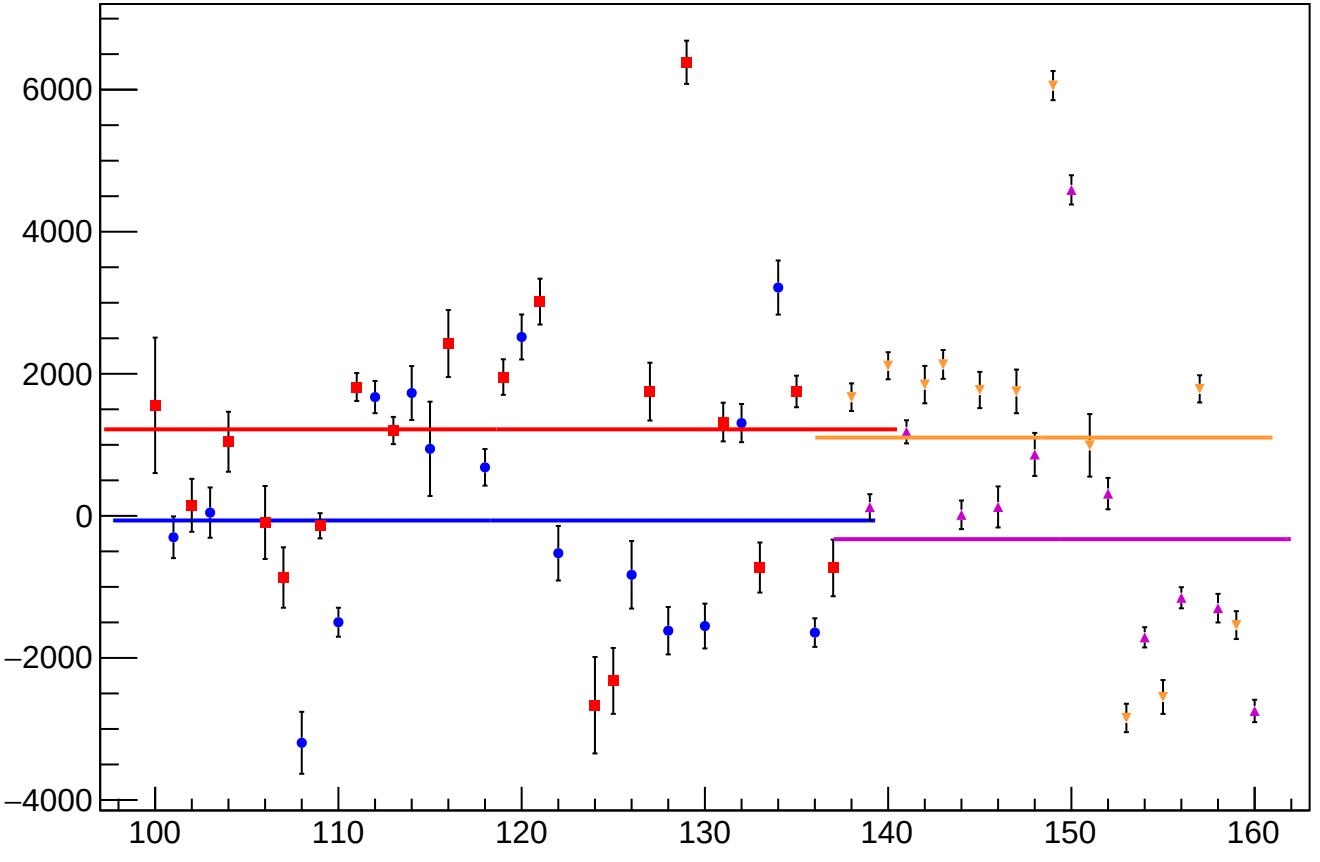
Left In: 366.958+/-0.085 χ^2/NDF:222337.9/10

\+ sign 1.536+/-0.001 χ^2/NDF: 30515027.7/27

All: 1.530+/-0.001 χ^2/NDF: 60300235.9/57

\- sign 1.526+/-0.001 χ^2/NDF: 29785162.1/29

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1102.078+/-64.108 χ^2/NDF:1483.4/11

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

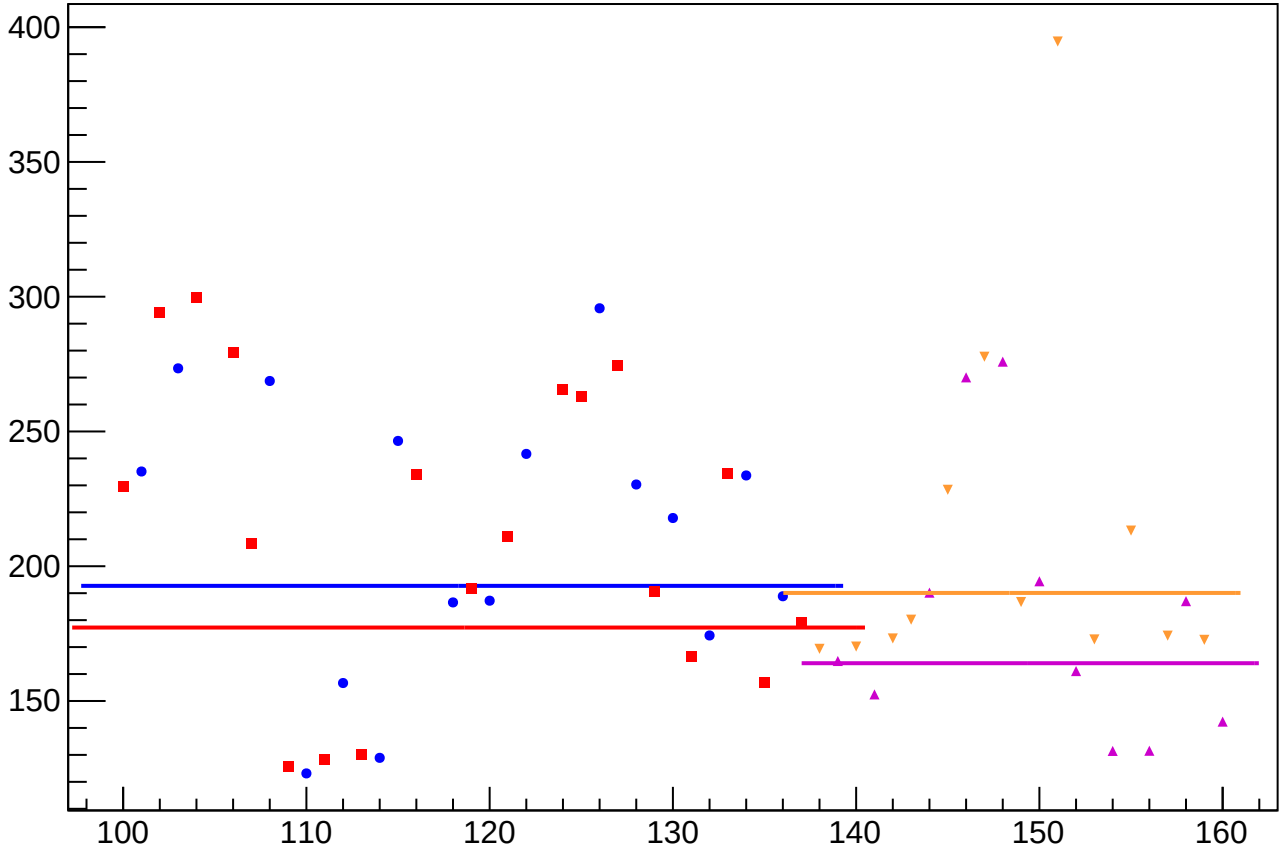
Left In: -328.028+/-56.010 χ^2/NDF:1074.4/10

+ sign 608.570+/-48.703 χ^2/NDF: 2093.0/27

All: 428.975+/-32.440 χ^2/NDF: 4088.9/57

- 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: 190.091+/-0.045 χ^2/NDF:759946.8/11

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

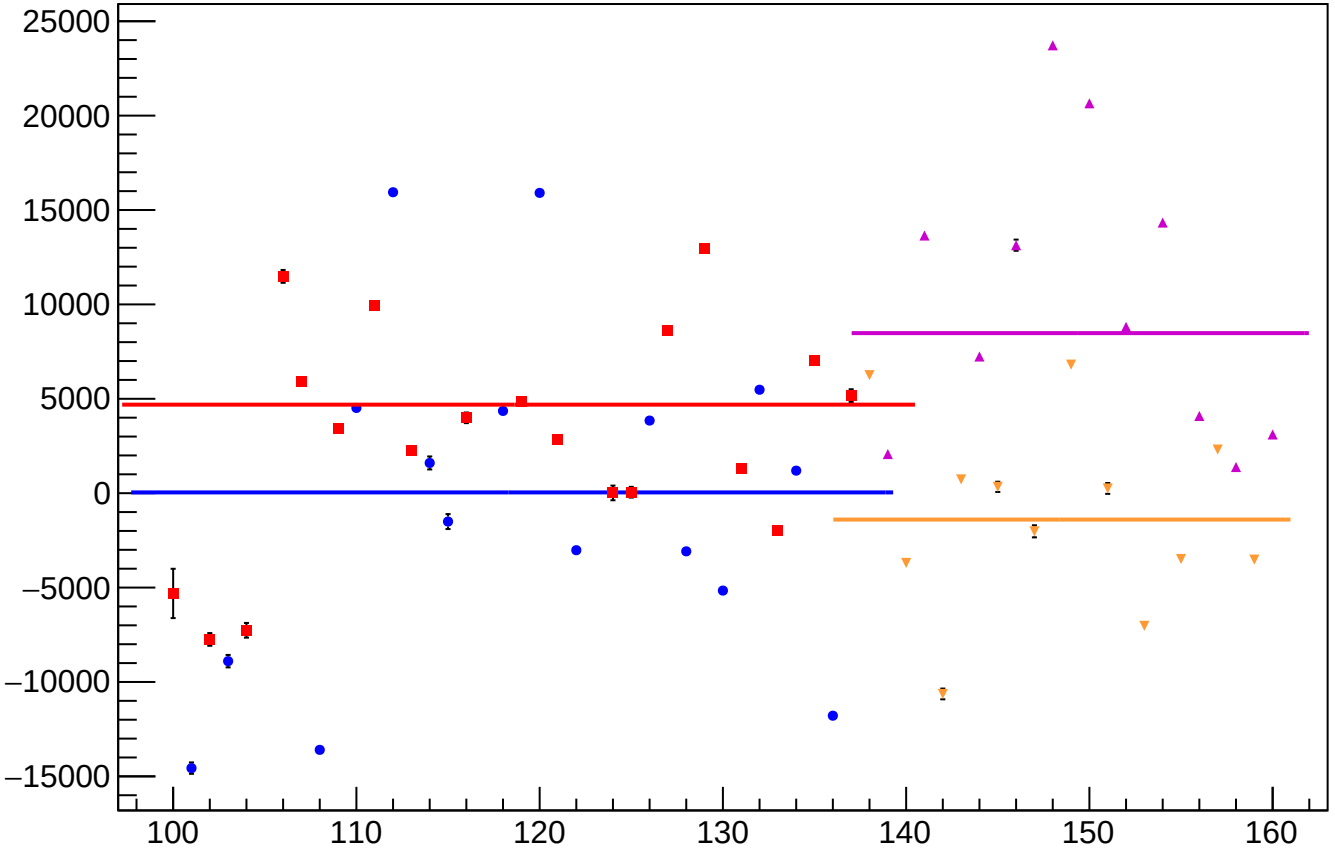
Left In: 164.018+/-0.040 χ^2/NDF:893038.7/10

+ sign 191.203+/-0.034 χ^2/NDF: 1520513.9/27

All: 179.002+/-0.023 χ^2/NDF: 3909674.3/57

- 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: -1398.372+/-56.229 χ^2/NDF:6795.1/11

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

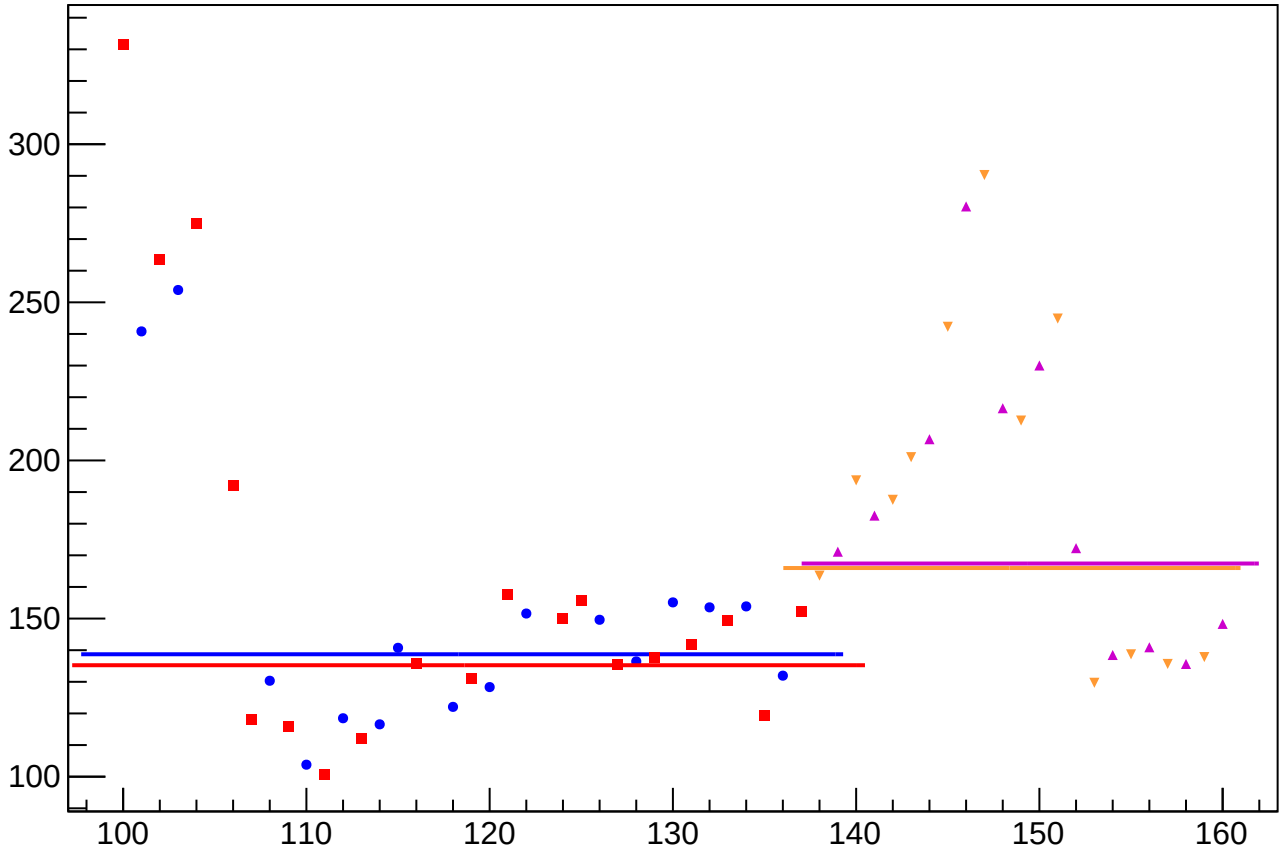
Left In: 8478.858+/-56.825 χ^2/NDF:14215.2/10

+ sign -652.273+/-39.022 χ^2/NDF: 37921.1/27

All: 2940.693+/-27.370 χ^2/NDF: 79035.2/57

- 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: 165.982+/-0.040 χ^2/NDF:1125866.7/11

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

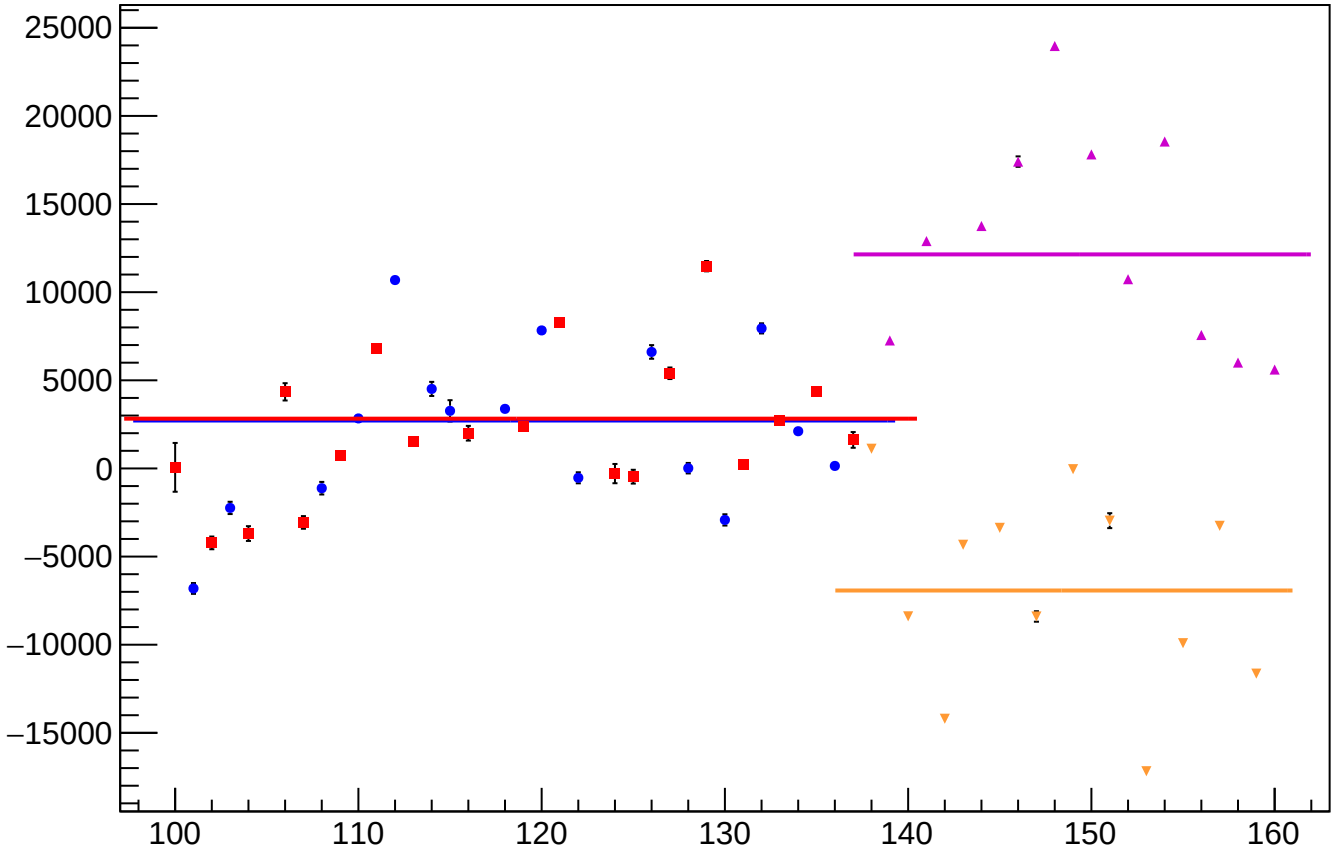
Left In: 167.407+/-0.040 χ^2/NDF:833941.7/10

+ sign 151.846+/-0.028 χ^2/NDF: 2027510.7/27

All: 150.873+/-0.019 χ^2/NDF: 4102017.3/57

- 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: -6924.698+/-67.149 χ^2/NDF:7355.0/11

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

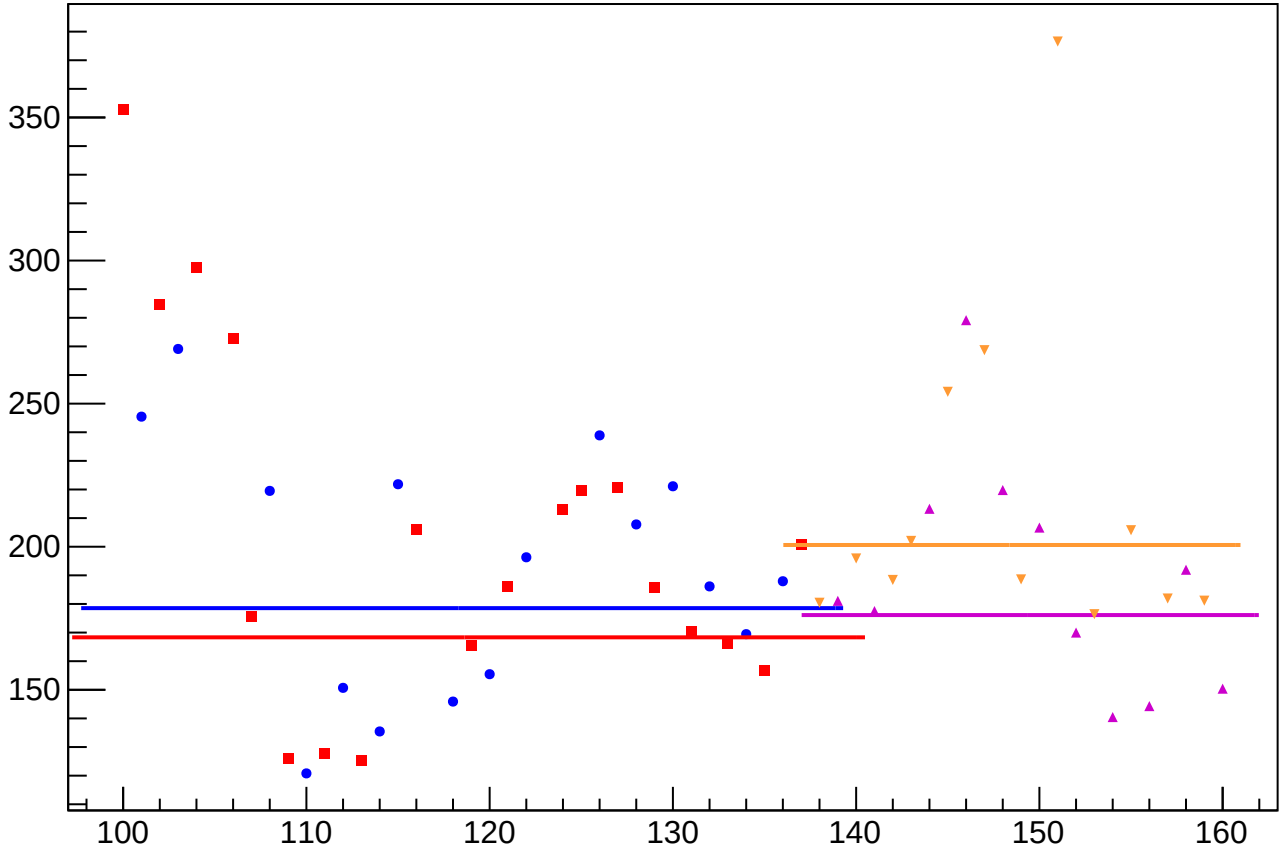
Left In: 12143.672+/-59.626 χ^2/NDF:9004.8/10

+ sign -2250.697+/-48.206 χ^2/NDF: 21481.8/27

All: 3284.899+/-32.455 χ^2/NDF: 68860.2/57

- 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: 200.606+/-0.047 χ^2/NDF:617081.6/11

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

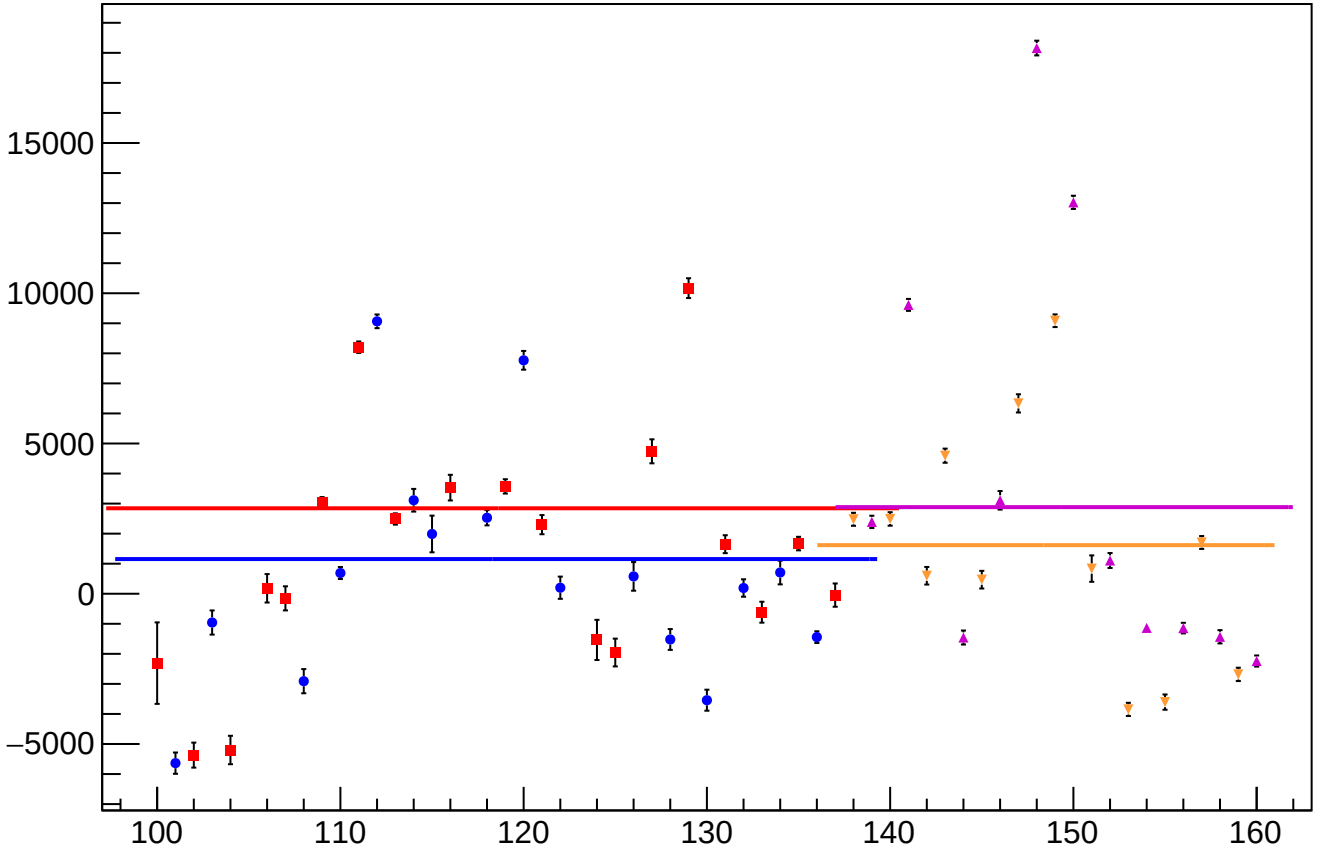
Left In: 176.120+/-0.042 χ^2/NDF:647425.9/10

+ sign 189.913+/-0.034 χ^2/NDF: 1396304.5/27

All: 180.422+/-0.023 χ^2/NDF: 3180635.2/57

- 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: 1617.160+/-70.874 χ^2/NDF:3131.0/11

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

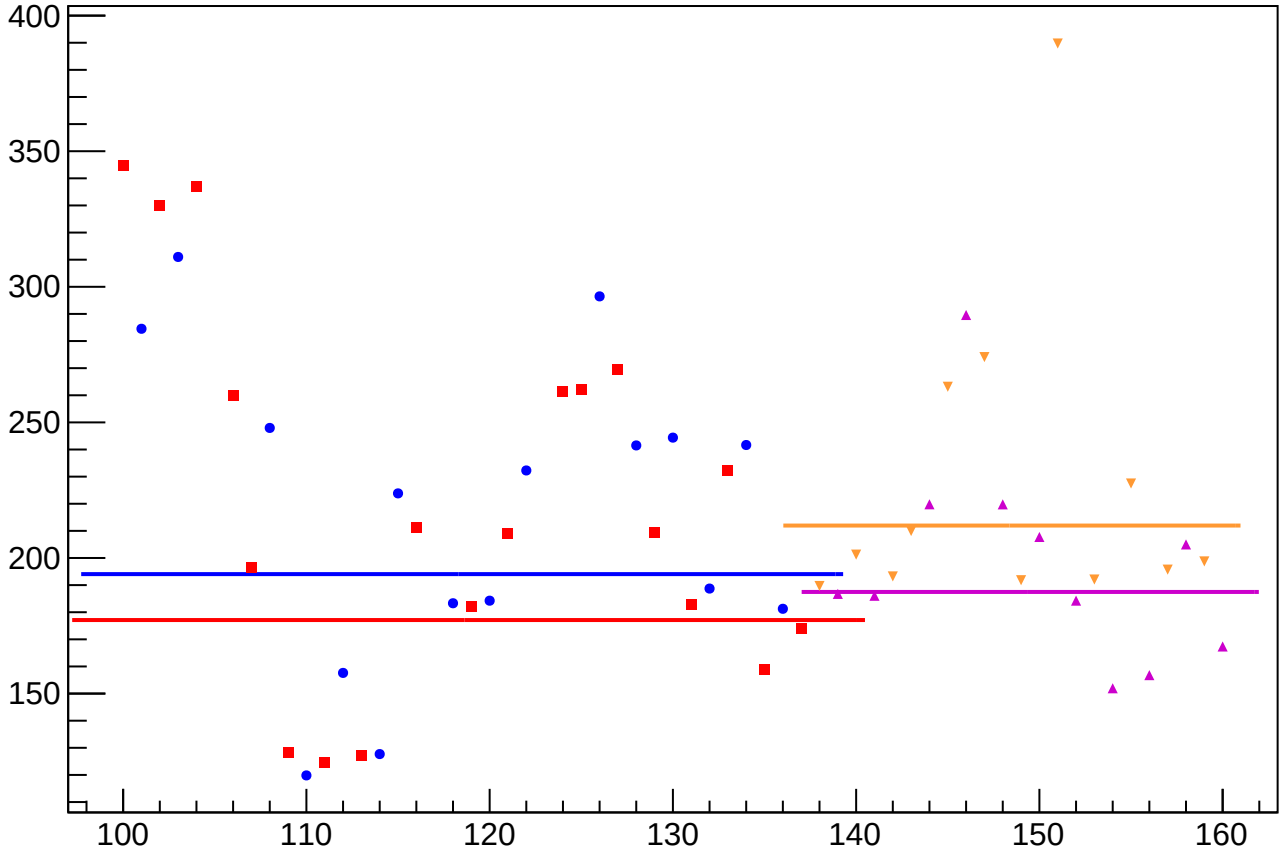
Left In: 2882.120+/-63.258 χ^2/NDF:9808.0/10

\+ sign 1401.511+/-51.819 χ^2/NDF: 5806.2/27

All: 2209.382+/-34.679 χ^2/NDF: 18507.8/57

\- 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: 211.959+/-0.050 χ^2/NDF:566452.4/11

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

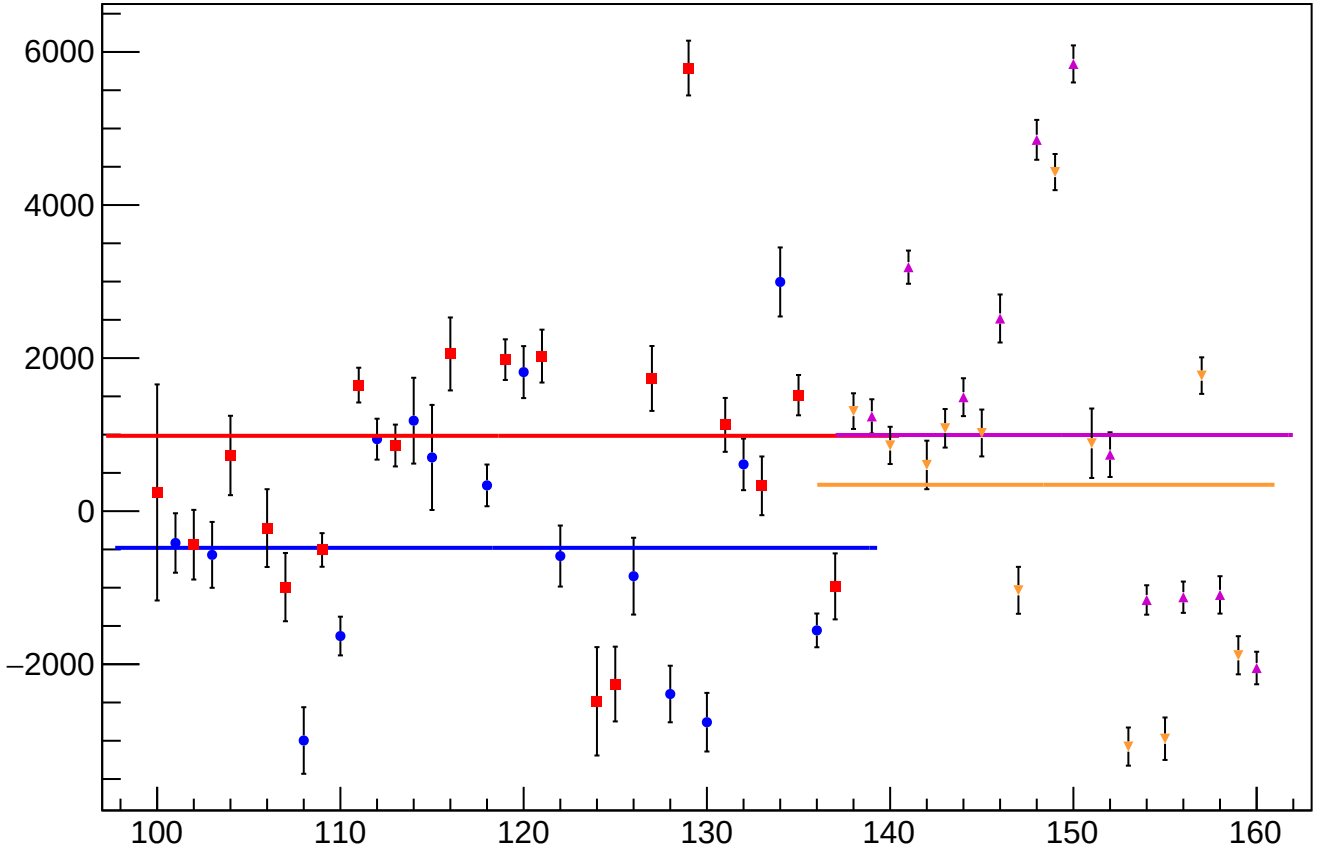
Left In: 187.477+/-0.045 χ^2/NDF:499987.8/10

+ sign 203.625+/-0.037 χ^2/NDF: 1591657.2/27

All: 192.102+/-0.025 χ^2/NDF: 3654558.3/57

- 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: 344.844+/-77.184 χ^2/NDF:803.8/11

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

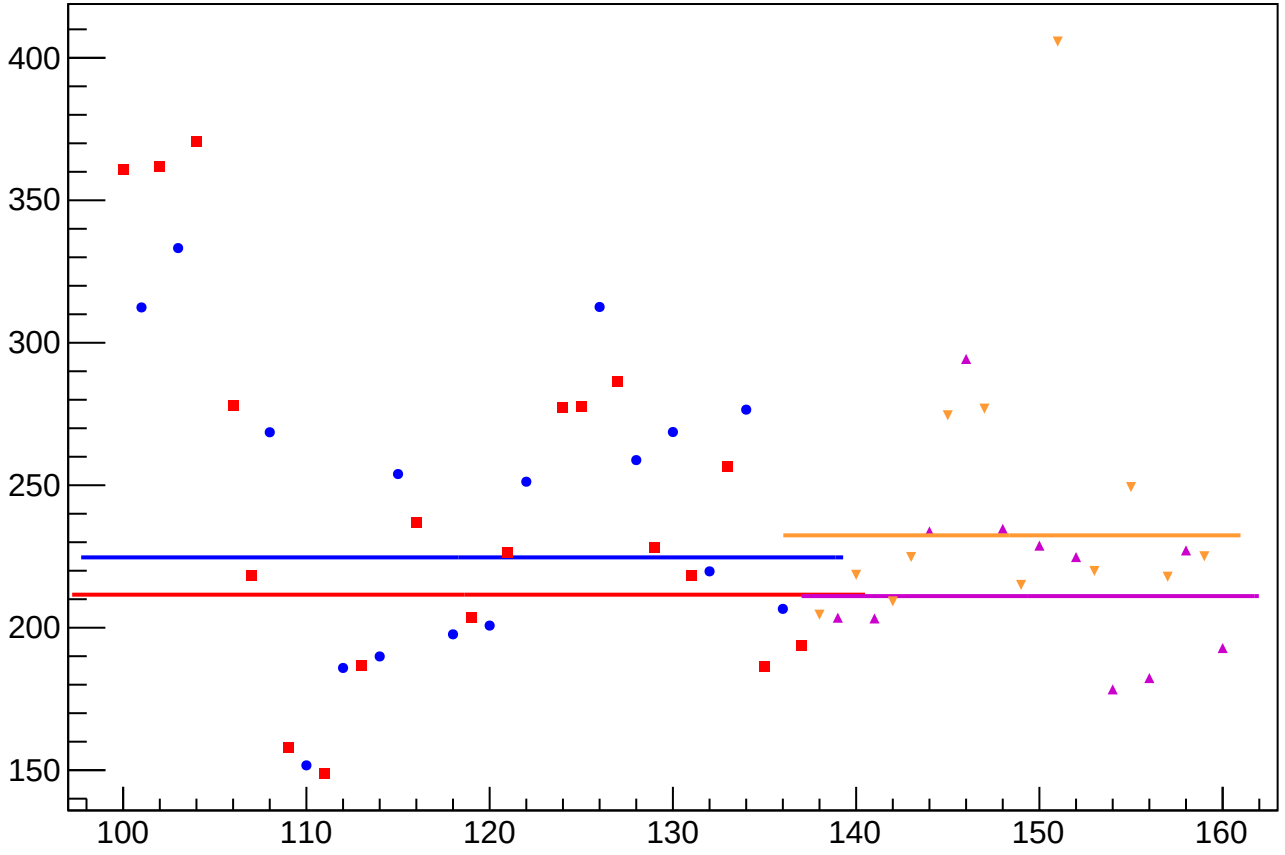
Left In: 995.123+/-70.515 χ^2/NDF:1262.8/10

+ sign -19.608+/-57.645 χ^2/NDF: 1159.6/27

All: 526.197+/-39.083 χ^2/NDF: 2986.5/57

- 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: 232.418+/-0.055 χ^2/NDF:451641.8/11

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

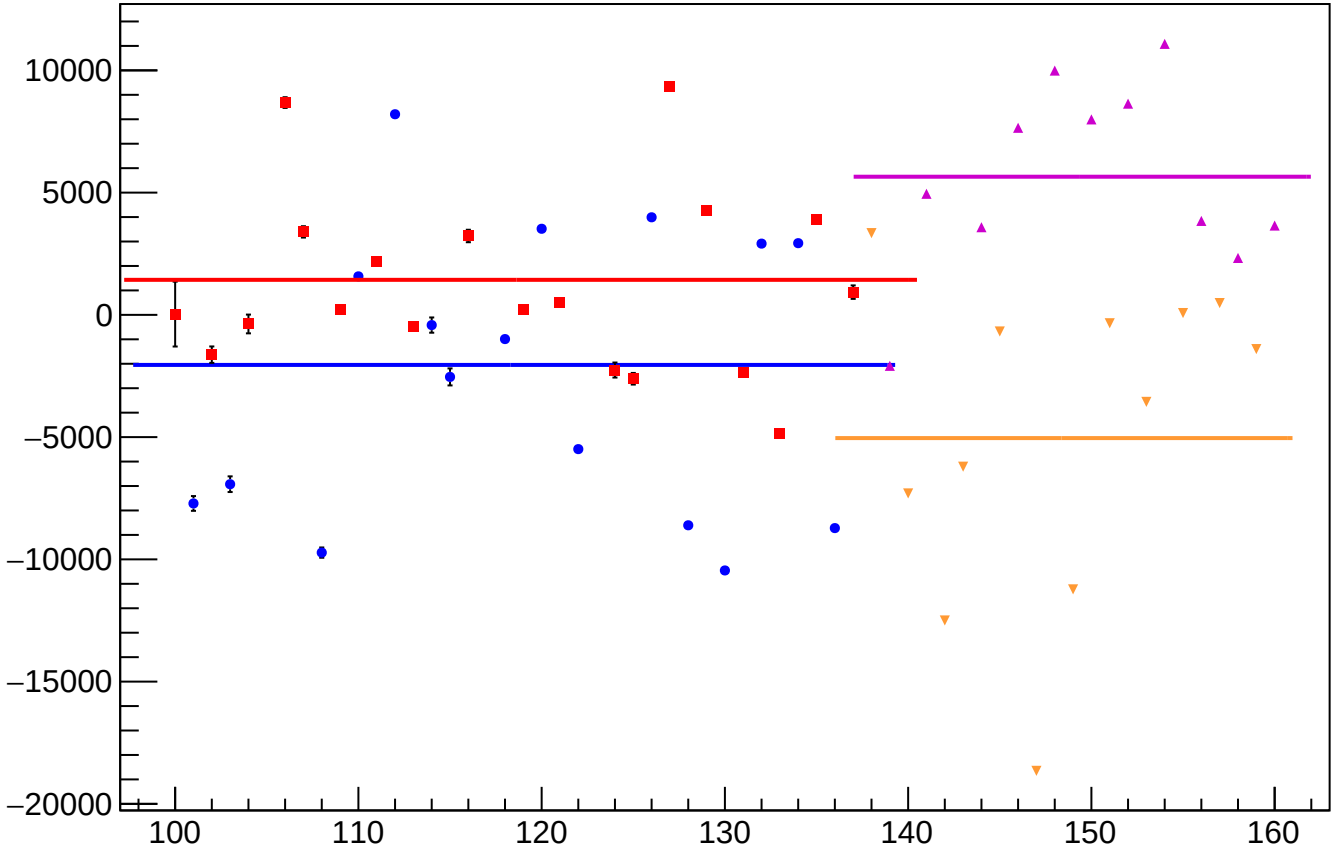
Left In: 211.094+/-0.050 χ^2/NDF:314877.2/10

+ sign 228.998+/-0.041 χ^2/NDF: 1113719.2/27

All: 219.441+/-0.028 χ^2/NDF: 2463278.3/57

- 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: -5039.958+/-37.770 χ^2/NDF:28389.5/11

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

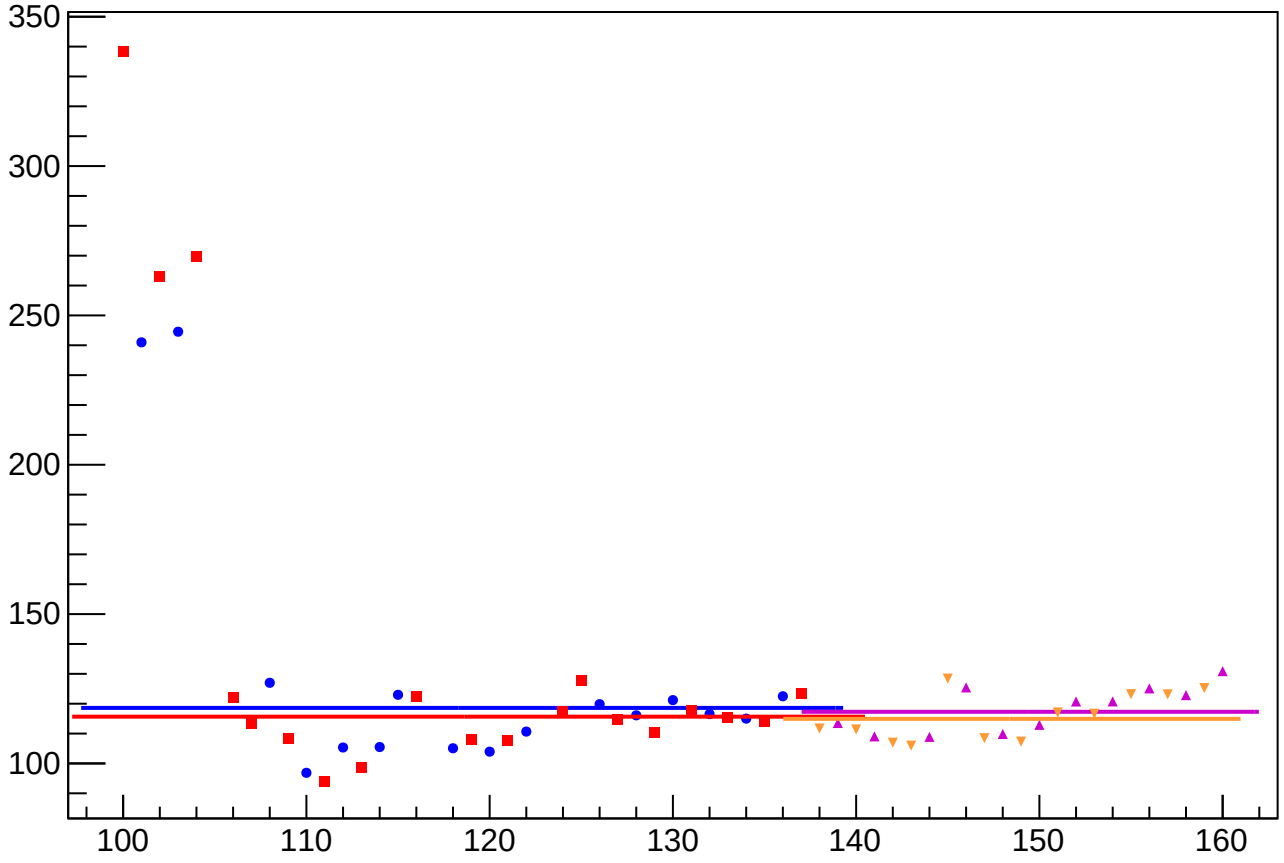
Left In: 5650.559+/-38.489 χ^2/NDF:9212.2/10

+ sign -3857.155+/-29.373 χ^2/NDF: 47579.9/27

All: 25.620+/-20.699 χ^2/NDF: 103001.8/57

- 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: 114.924+/-0.027 χ^2/NDF:77200.5/11

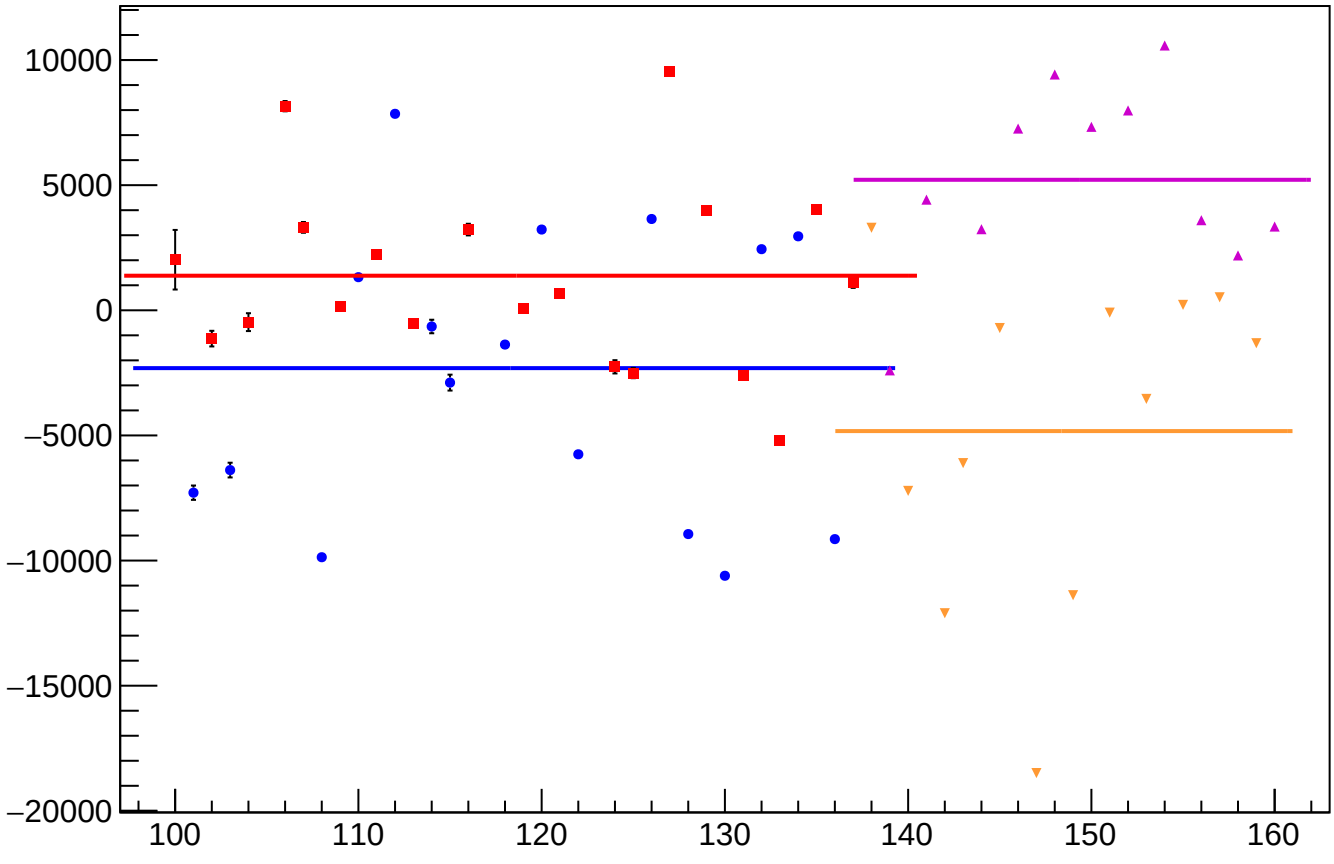
Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 117.291+/-0.027 χ^2/NDF:69991.3/10

+ sign 116.375+/-0.021 χ^2/NDF: 818830.8/27

All: 116.487+/-0.015 χ^2/NDF: 1754613.5/57

- 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: -4826.395+/-33.952 χ^2/NDF:34266.0/11

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

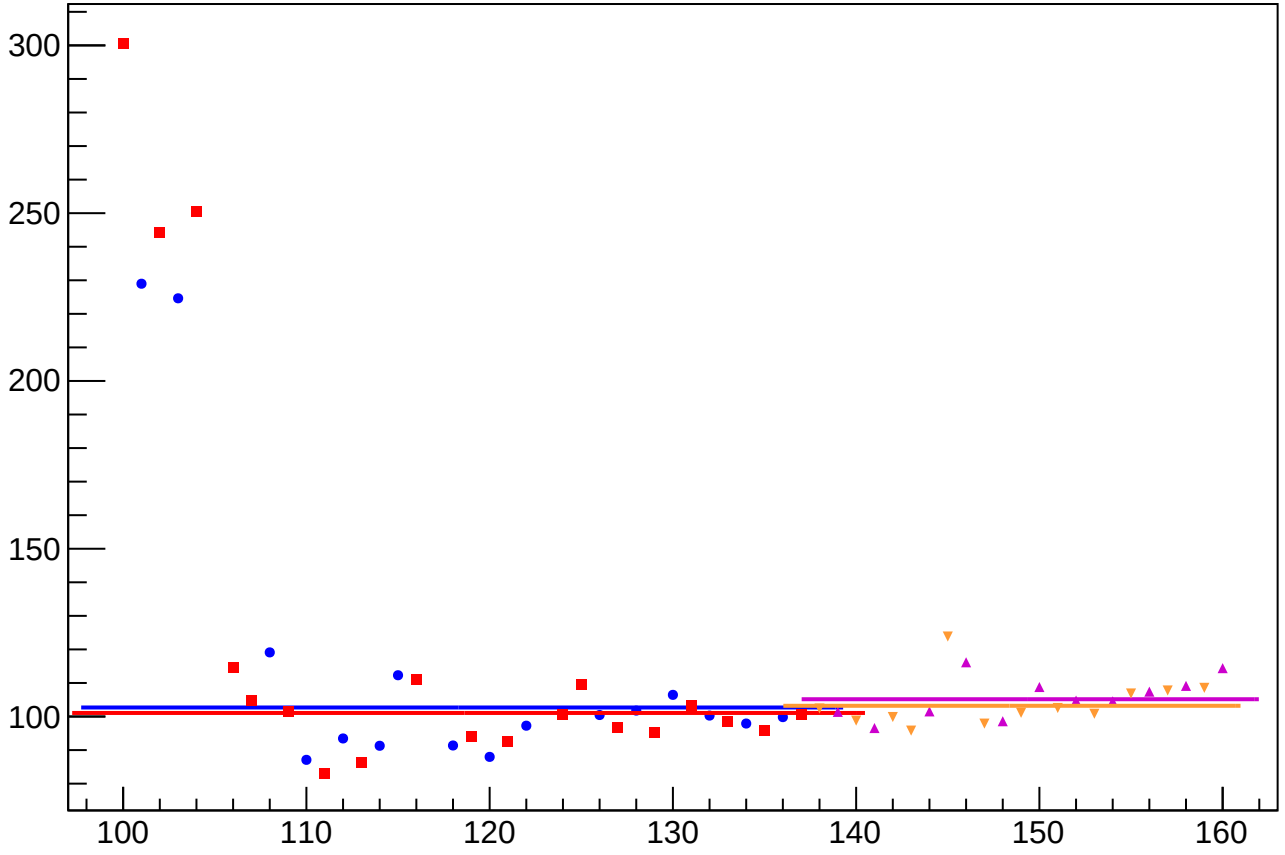
Left In: 5214.795+/-34.536 χ^2/NDF:10901.7/10

+ sign -3795.073+/-26.081 χ^2/NDF: 58196.2/27

All: -106.366+/-18.397 χ^2/NDF: 122851.0/57

- 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: 103.200+/-0.024 χ^2/NDF:72377.6/11

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

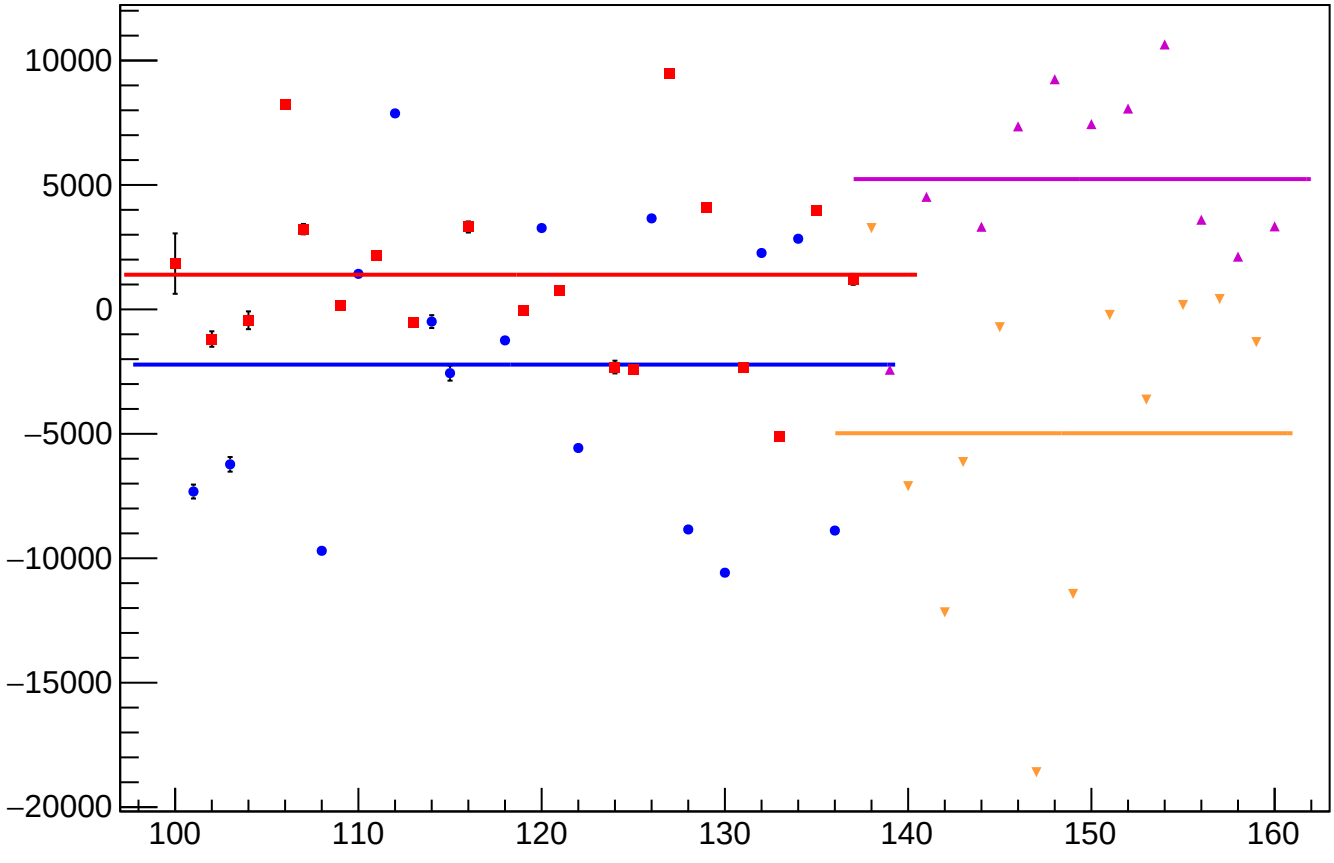
Left In: 105.157+/-0.024 χ^2/NDF:56703.1/10

+ sign 102.993+/-0.018 χ^2/NDF: 898361.7/27

All: 103.185+/-0.013 χ^2/NDF: 1897966.7/57

- 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: -4975.922+/-33.123 χ^2/NDF:36979.4/11

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

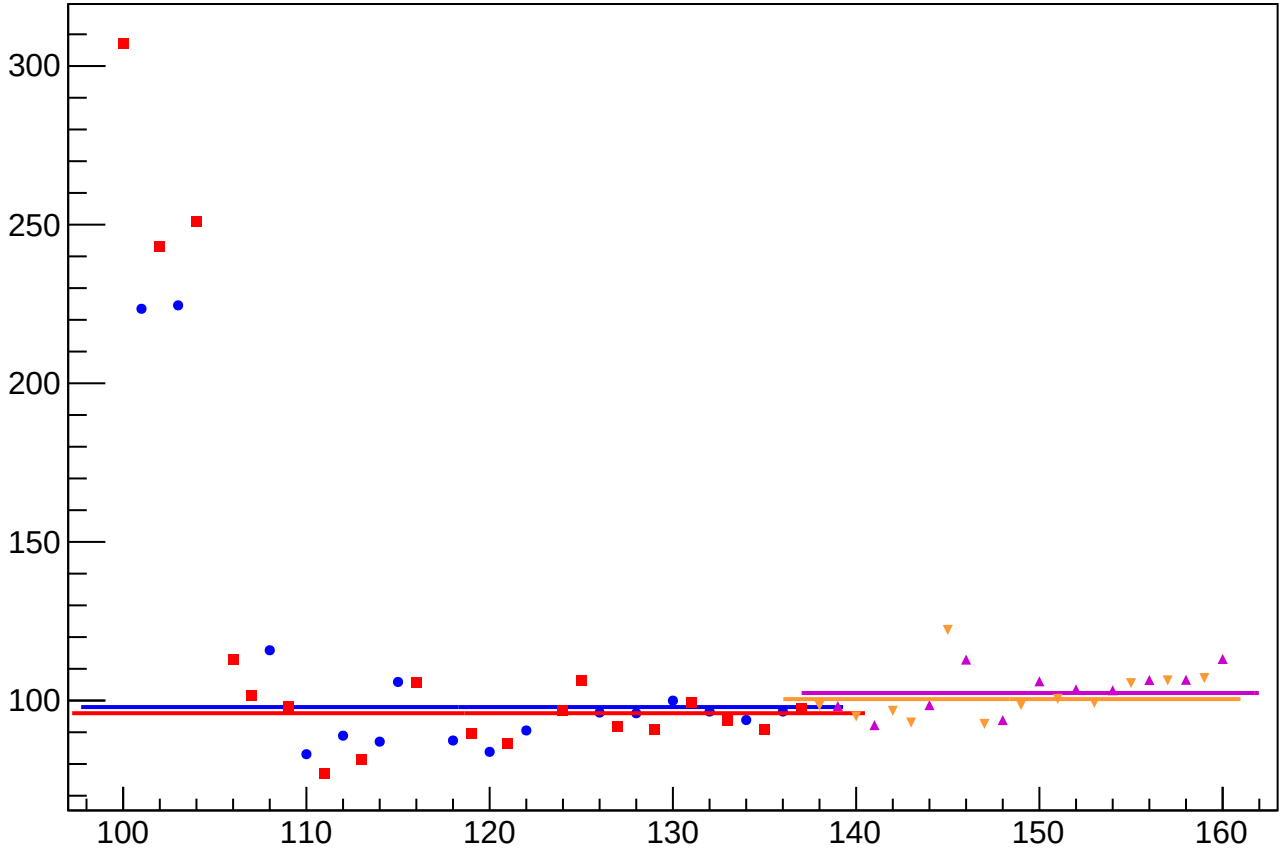
Left In: 5235.726+/-33.703 χ^2/NDF:11530.4/10

+ sign -3821.570+/-25.257 χ^2/NDF: 62921.9/27

All: -125.036+/-17.800 χ^2/NDF: 131958.1/57

- 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: 100.450+/-0.023 χ^2/NDF:93857.2/11

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

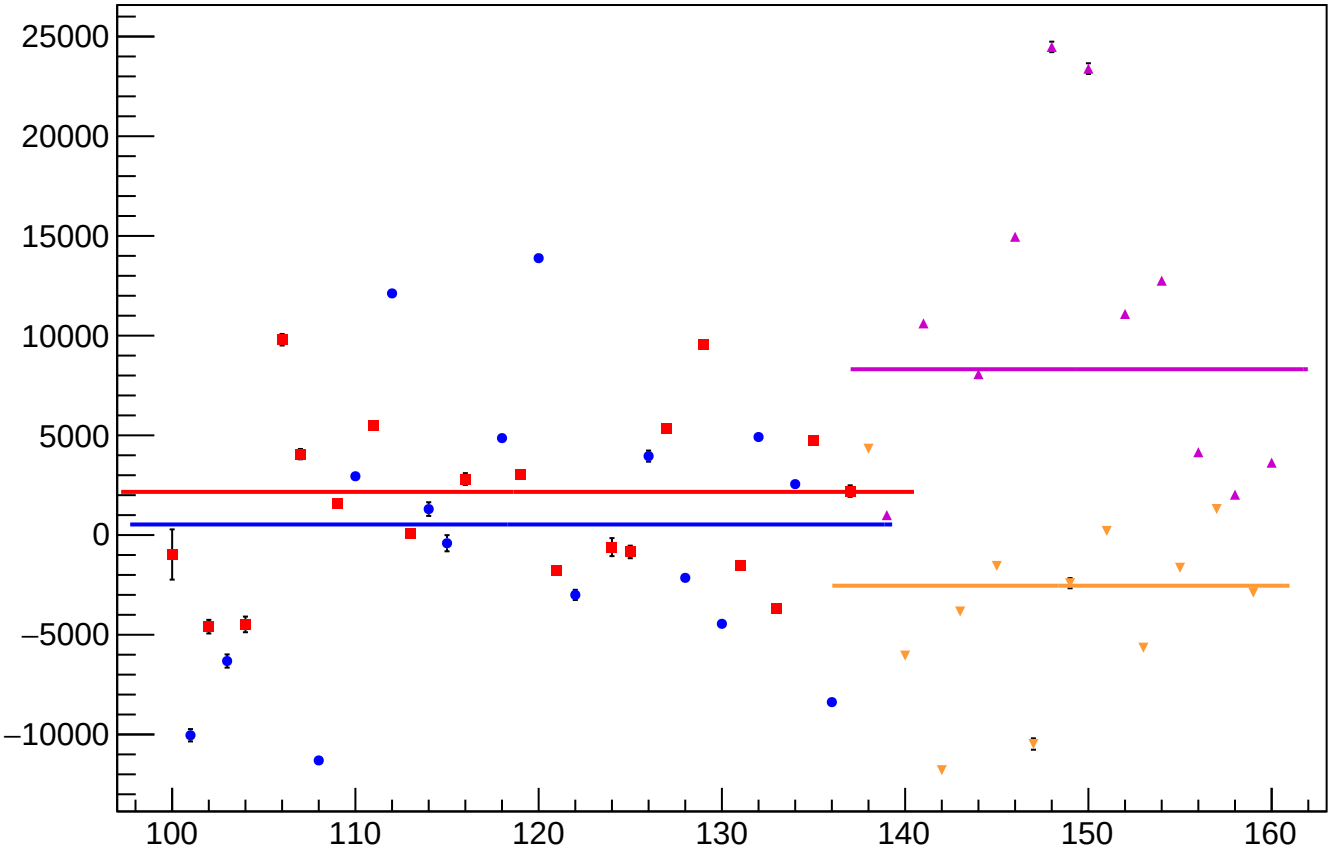
Left In: 102.374+/-0.024 χ^2/NDF:76547.8/10

+ sign 99.401+/-0.018 χ^2/NDF: 966799.8/27

All: 99.468+/-0.013 χ^2/NDF: 2087507.1/57

- 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: -2540.110+/-50.167 χ^2/NDF:6257.0/11

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

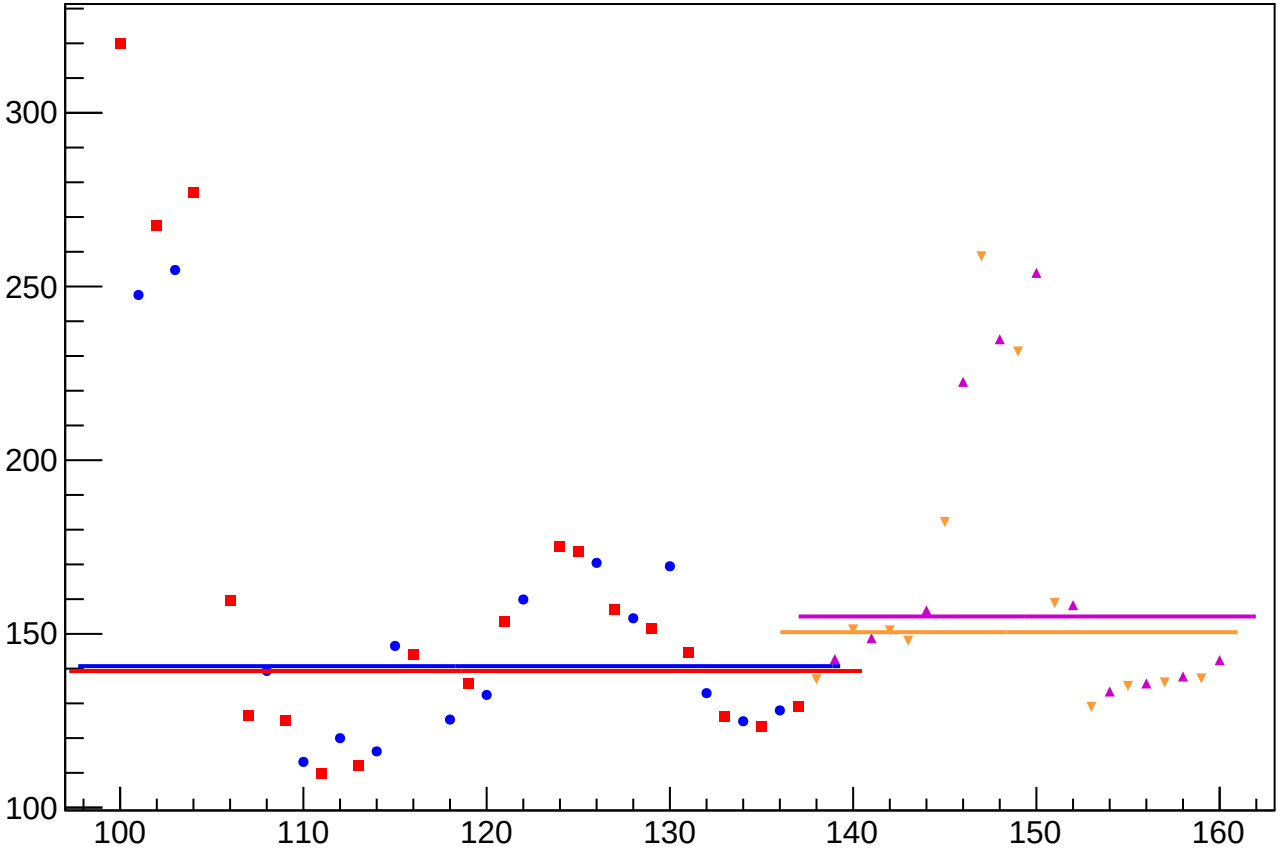
Left In: 8315.245+/-51.845 χ^2/NDF:14733.4/10

+ sign -1141.571+/-37.020 χ^2/NDF: 26550.9/27

All: 2079.143+/-26.246 χ^2/NDF: 68291.1/57

- 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: 150.492+/-0.035 χ^2/NDF:659462.1/11

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

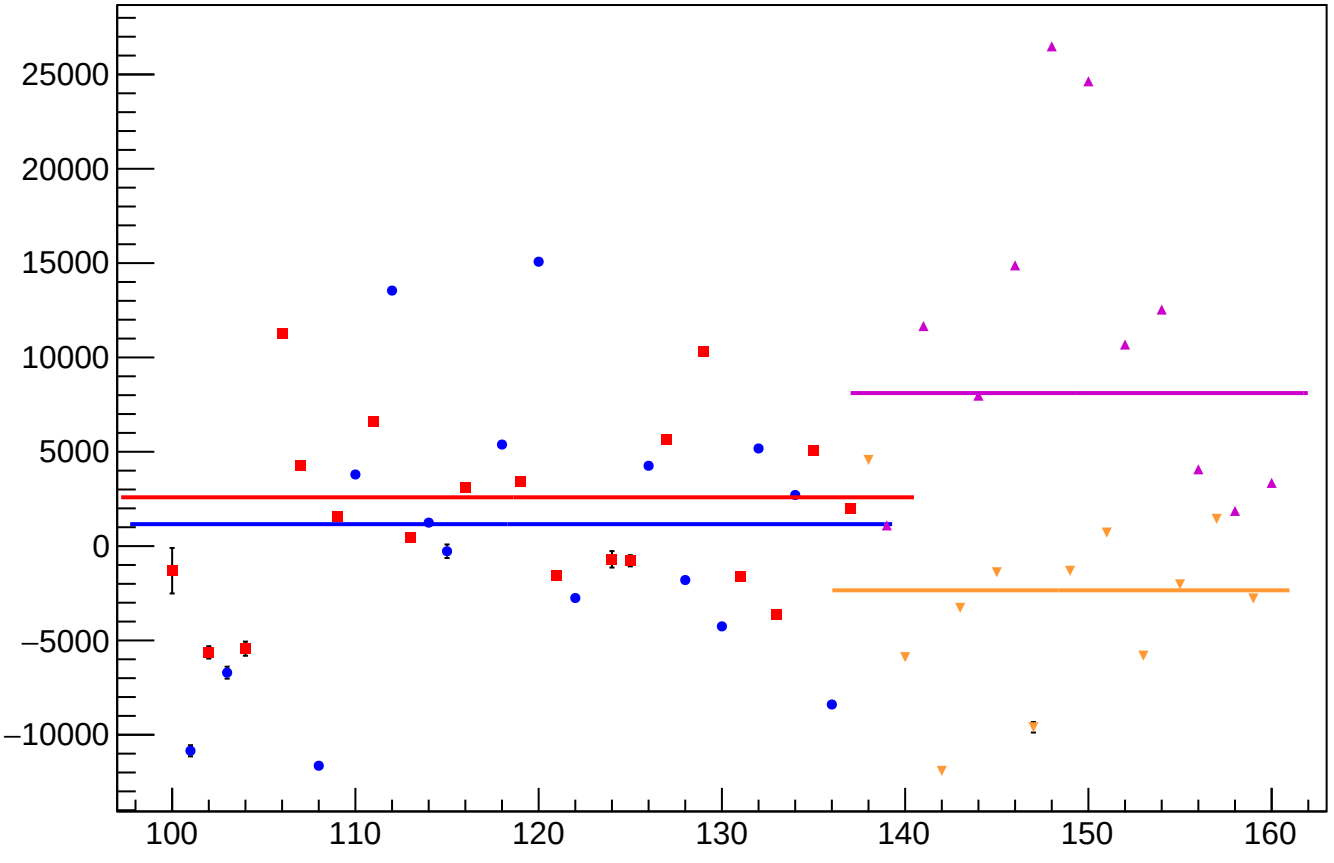
Left In: 155.012+/-0.037 χ^2/NDF:755046.8/10

+ sign 146.039+/-0.026 χ^2/NDF: 1369674.2/27

All: 146.718+/-0.019 χ^2/NDF: 3017223.3/57

- sign 147.405+/-0.026 χ^2/NDF: 1646195.5/29

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2342.962+/-44.068 χ^2/NDF:8243.7/11

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

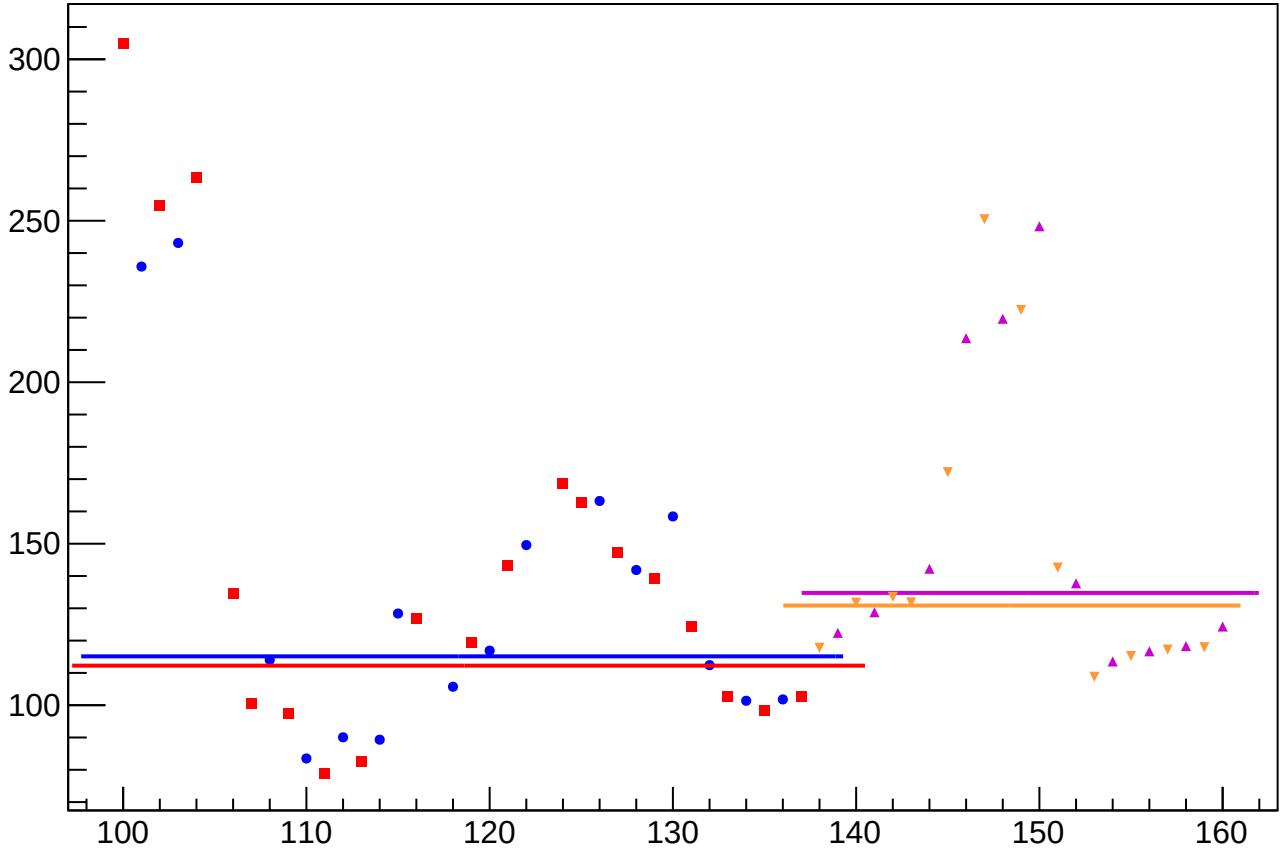
Left In: 8111.078+/-45.620 χ^2/NDF:19778.7/10

+ sign -662.513+/-31.799 χ^2/NDF: 42031.9/27

All: 2304.429+/-22.473 χ^2/NDF: 94857.6/57

- 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: 130.858+/-0.031 χ^2/NDF:914985.8/11

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

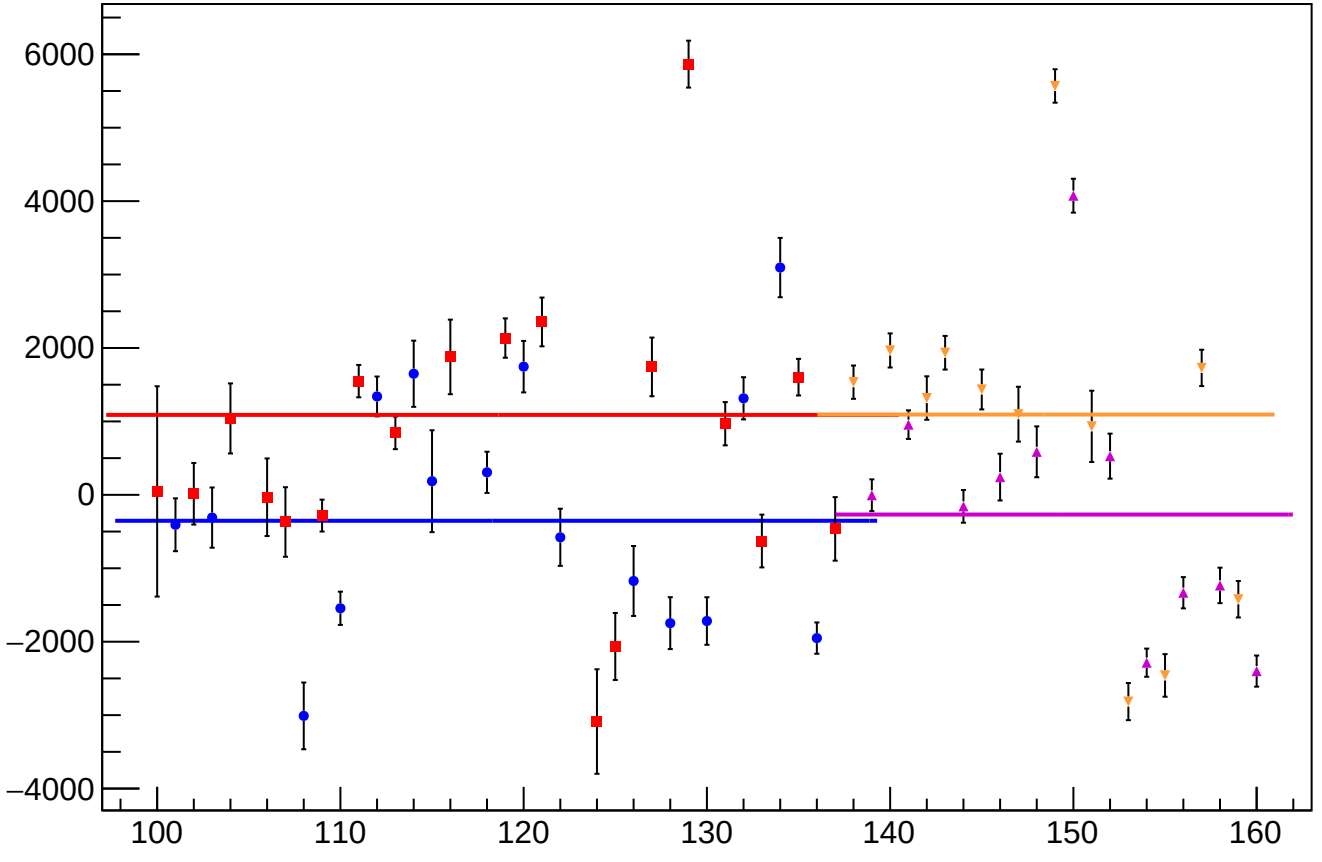
Left In: 134.770+/-0.032 χ^2/NDF:1020894.3/10

\+ sign 123.317+/-0.022 χ^2/NDF: 2150153.8/27

All: 123.240+/-0.016 χ^2/NDF: 4750492.8/57

\- 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: 1093.466+/-76.094 χ^2/NDF:917.2/11

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

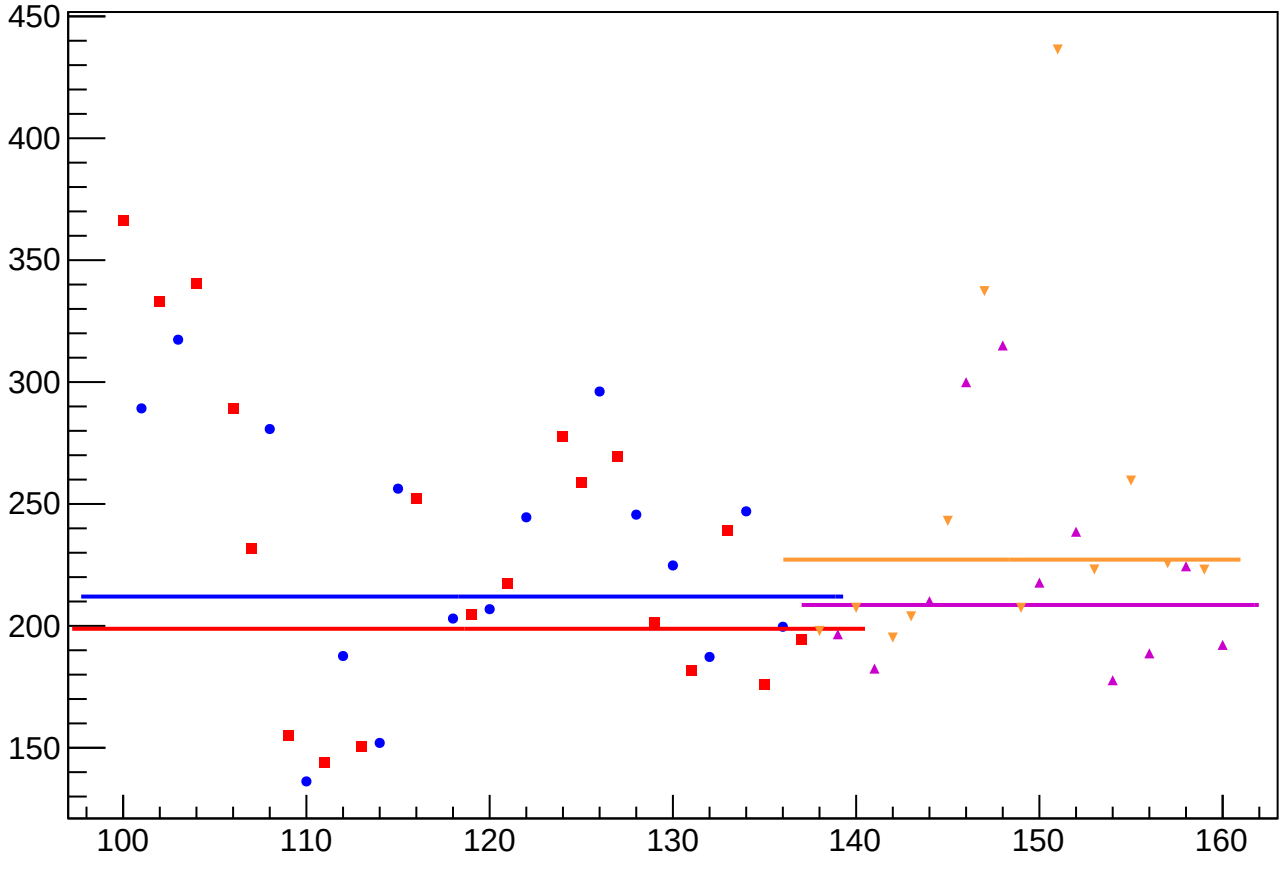
Left In: -268.191+/-70.001 χ^2/NDF:663.8/10

+ sign 425.323+/-55.820 χ^2/NDF: 1445.9/27

All: 385.099+/-37.901 χ^2/NDF: 2729.2/57

- 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: 227.168+/-0.054 χ^2/NDF:684998.2/11

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

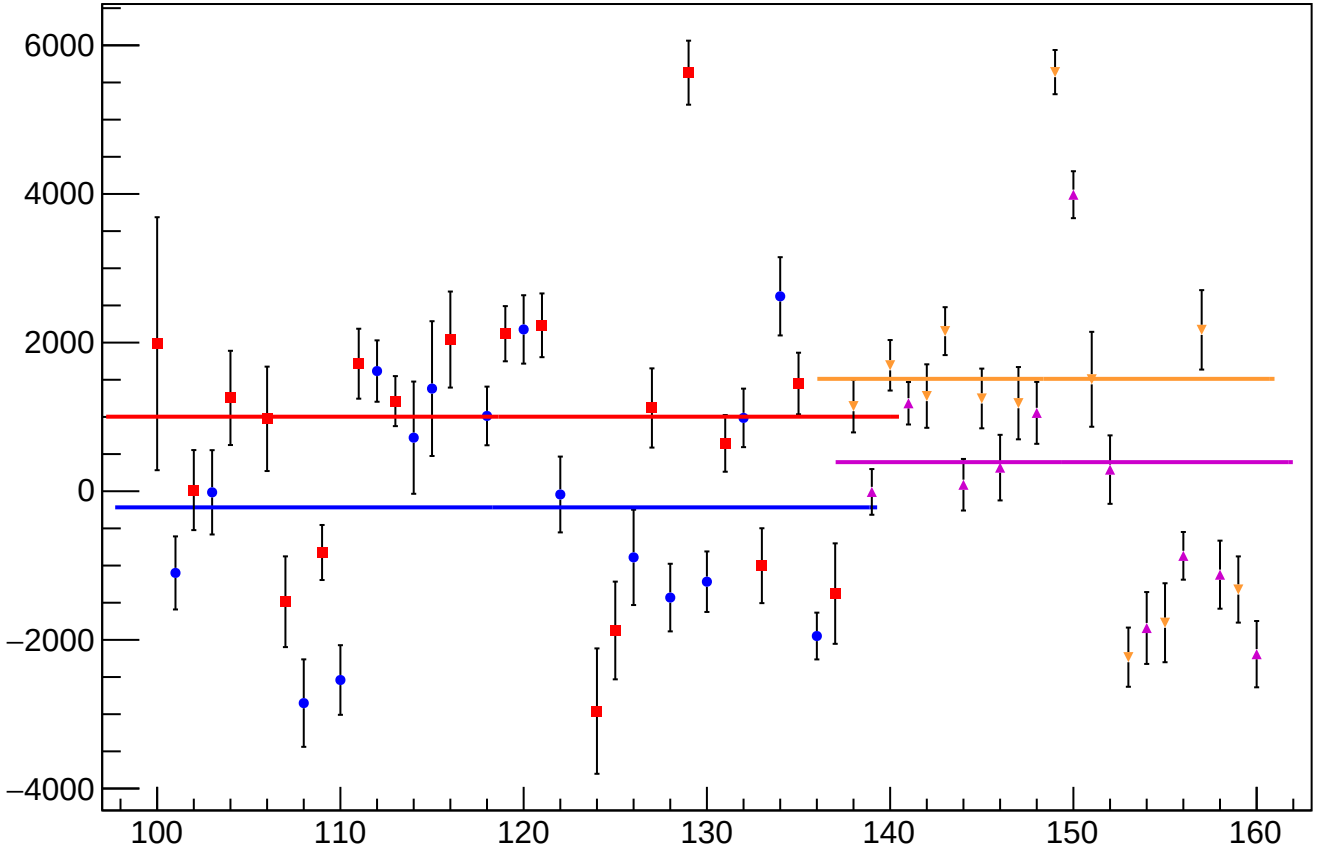
Left In: 208.579+/-0.049 χ^2/NDF:507761.9/10

+ sign 220.175+/-0.039 χ^2/NDF: 1411929.0/27

All: 211.524+/-0.027 χ^2/NDF: 3001526.6/57

- 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: 1512.315+/-115.991 χ^2/NDF:367.7/11

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

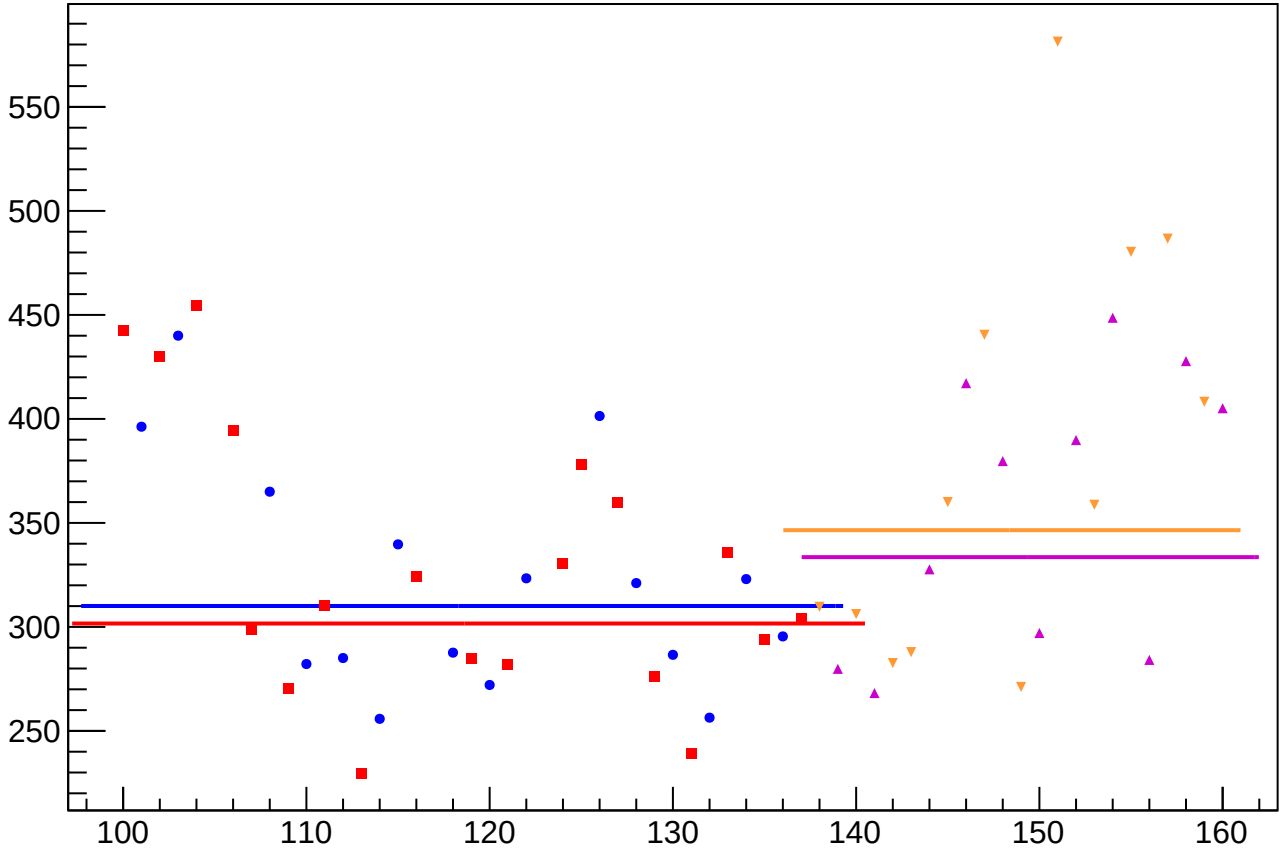
Left In: 391.514+/-111.427 χ^2/NDF:223.8/10

+ sign 661.704+/-82.680 χ^2/NDF: 669.2/27

All: 677.830+/-57.261 χ^2/NDF: 1162.3/57

- 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: 346.499+/-0.082 χ^2/NDF:941426.1/11

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

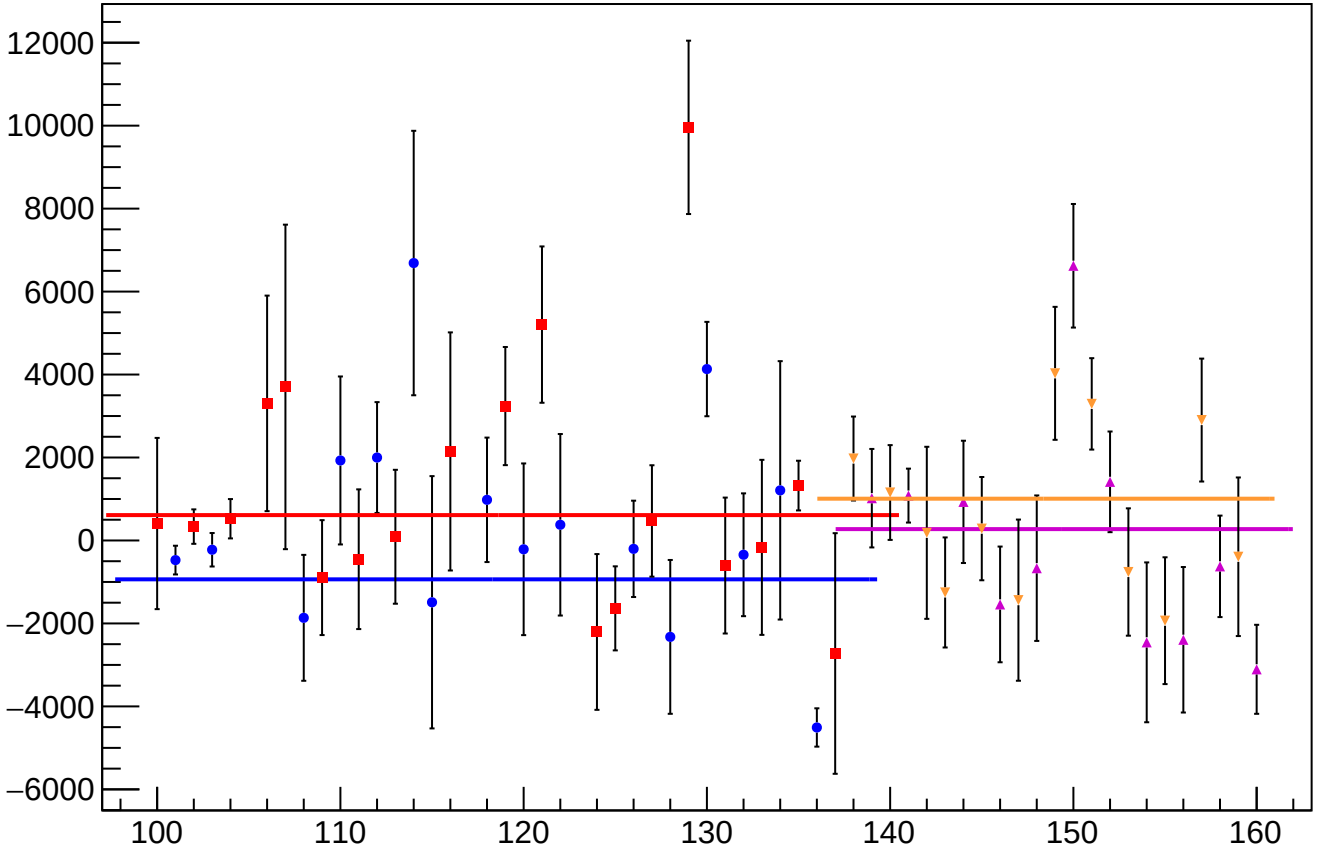
Left In: 333.550+/-0.079 χ^2/NDF:615978.0/10

+ sign 328.576+/-0.058 χ^2/NDF: 1361790.1/27

All: 322.985+/-0.040 χ^2/NDF: 2596022.9/57

- 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: 1007.151+/-400.069 χ^2/NDF:21.0/11

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

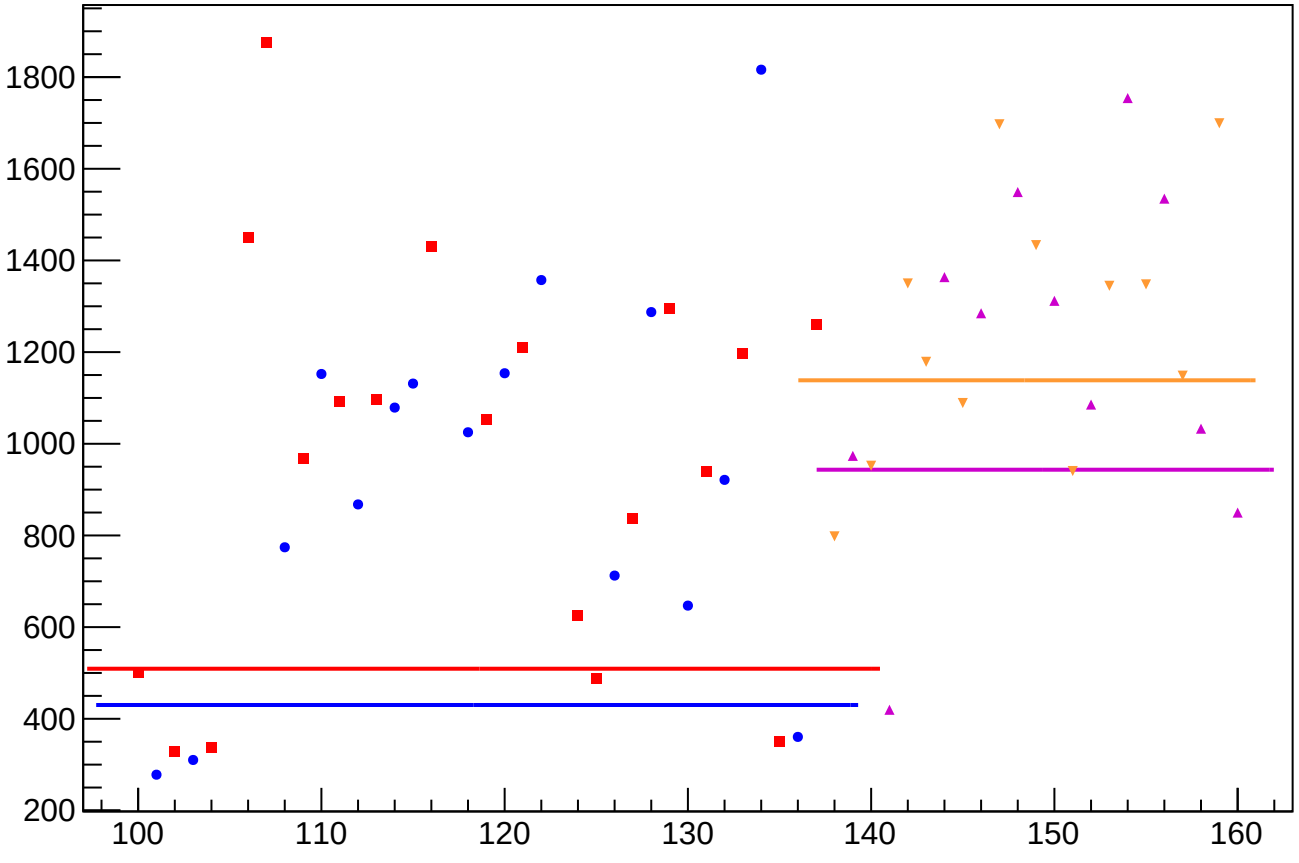
Left In: 273.900+/-361.848 χ^2/NDF:37.9/10

+ sign -533.536+/-182.243 χ^2/NDF: 140.9/27

All: -48.437+/-133.460 χ^2/NDF: 238.8/57

- 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: 1138.491+/-0.283 χ^2/NDF:848671.0/11

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

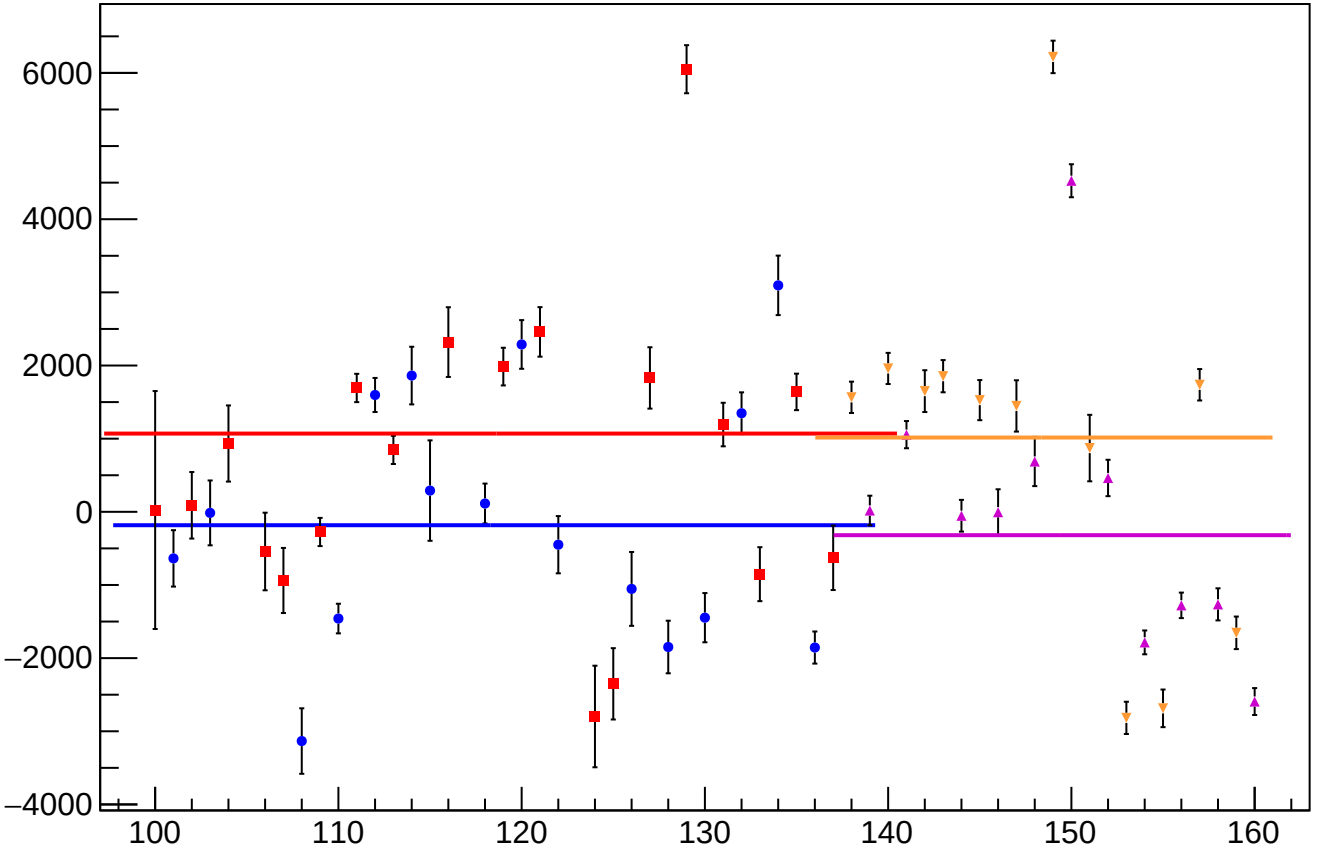
Left In: 943.418+/-0.256 χ^2/NDF:2578092.4/10

+ sign 577.104+/-0.129 χ^2/NDF: 9339757.7/27

All: 604.696+/-0.094 χ^2/NDF: 17724936.5/57

- 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: 1015.652+/-70.561 χ^2/NDF:1264.9/11

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

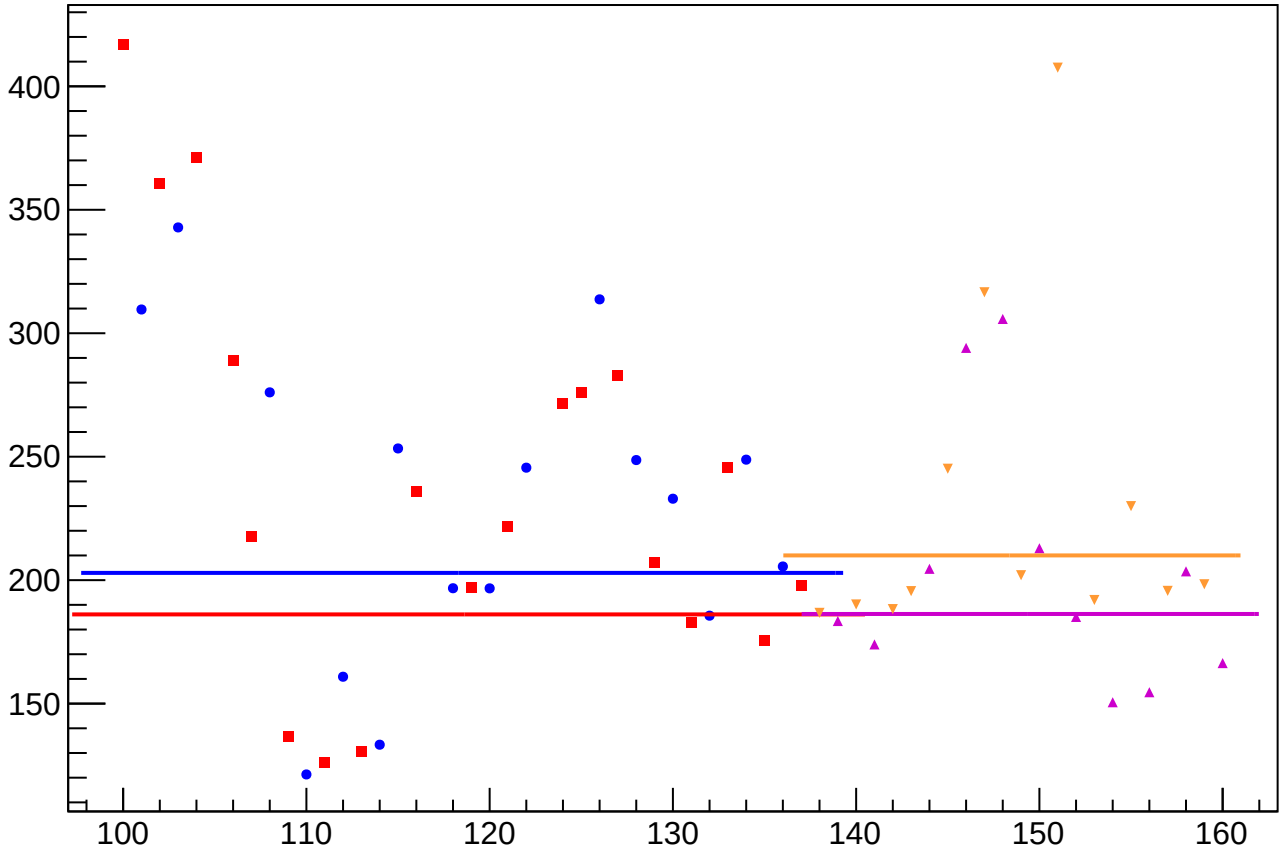
Left In: -319.469+/-63.207 χ^2/NDF:822.4/10

+ sign 490.162+/-52.878 χ^2/NDF: 1809.1/27

All: 371.867+/-35.460 χ^2/NDF: 3339.7/57

- 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: 210.020+/-0.050 χ^2/NDF:699009.4/11

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

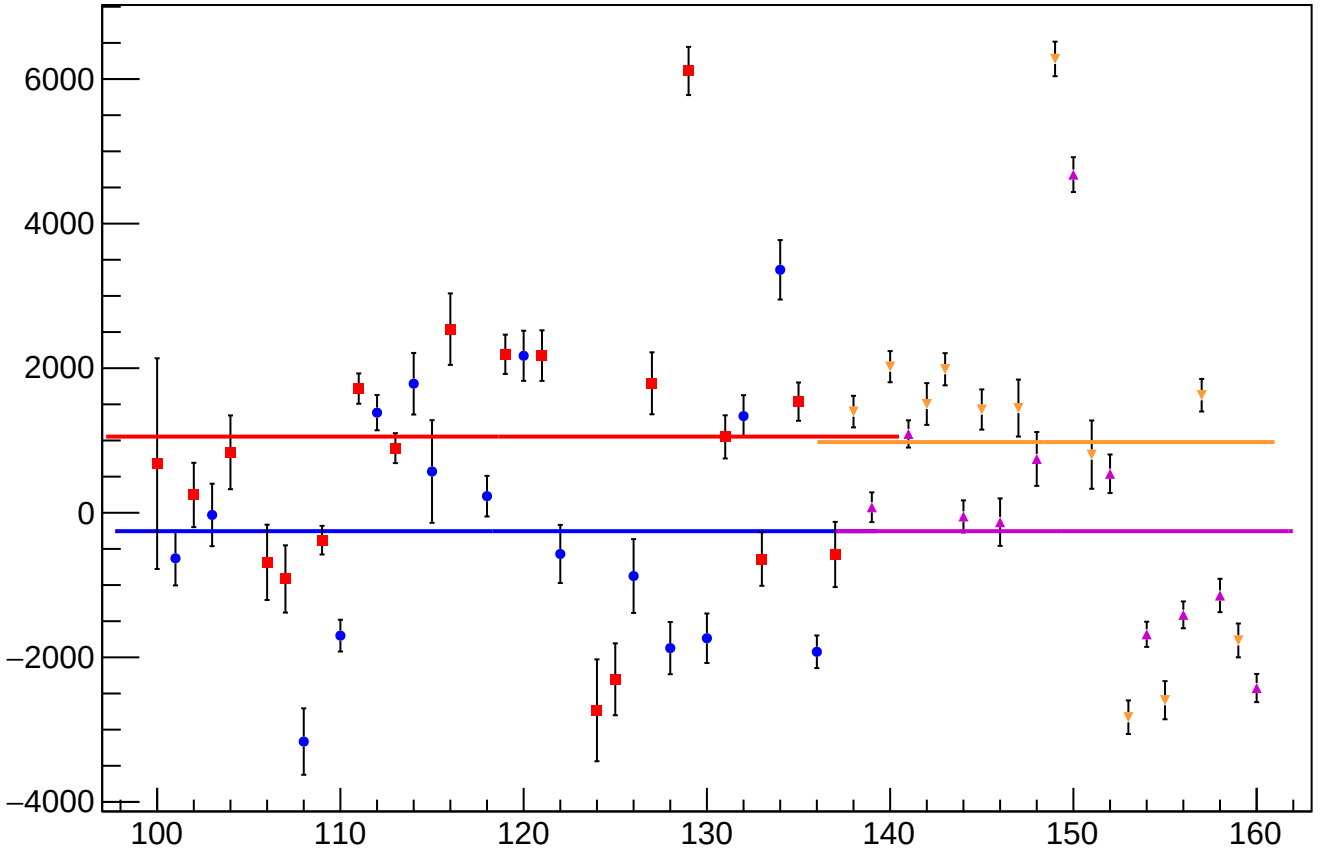
Left In: 186.302+/-0.045 χ^2/NDF:738351.2/10

+ sign 206.917+/-0.037 χ^2/NDF: 1779693.3/27

All: 195.532+/-0.025 χ^2/NDF: 4168200.6/57

- 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: 978.134+/-73.148 χ^2/NDF:1144.4/11

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

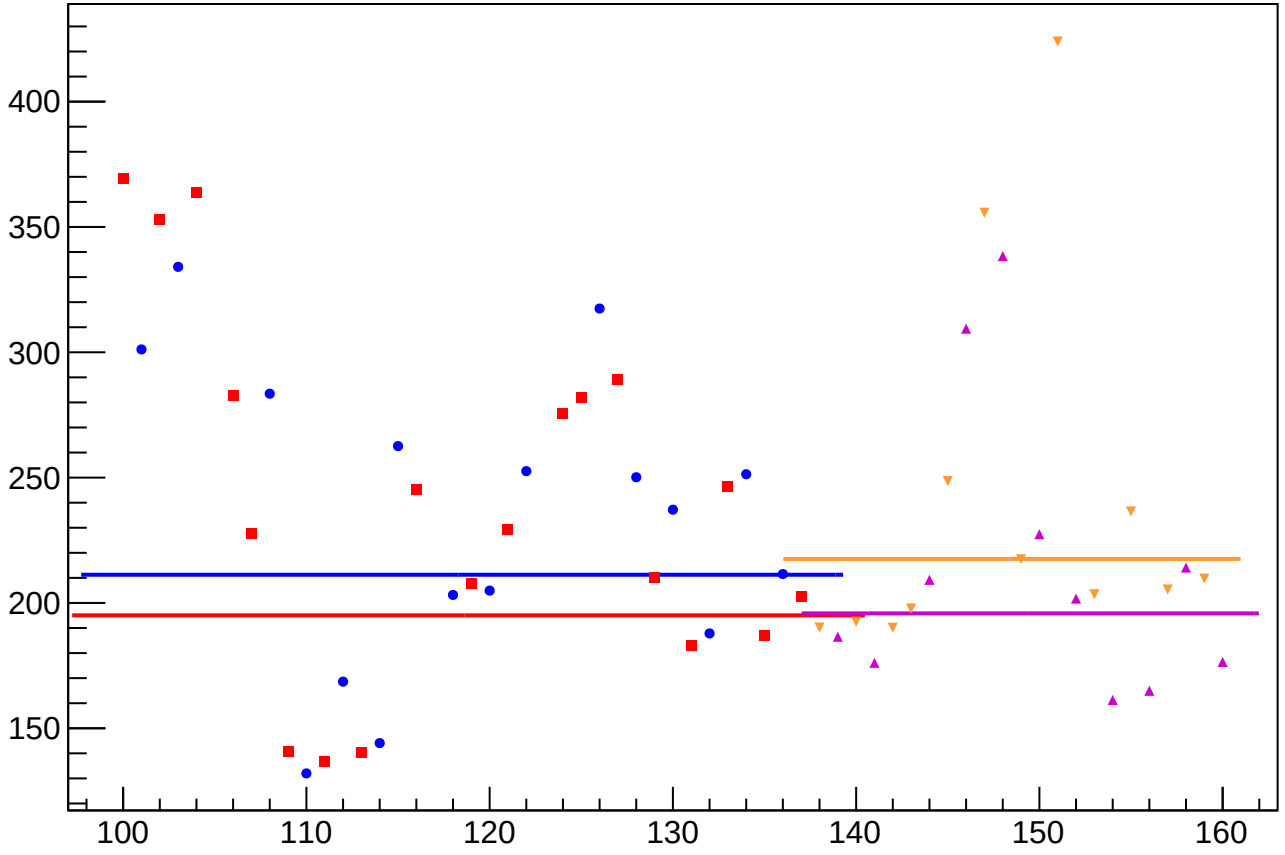
Left In: -254.388+/-66.367 χ^2/NDF:734.6/10

+ sign 435.547+/-54.730 χ^2/NDF: 1678.6/27

All: 368.087+/-36.907 χ^2/NDF: 3061.8/57

- 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: 217.548+/-0.052 χ^2/NDF:770399.3/11

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

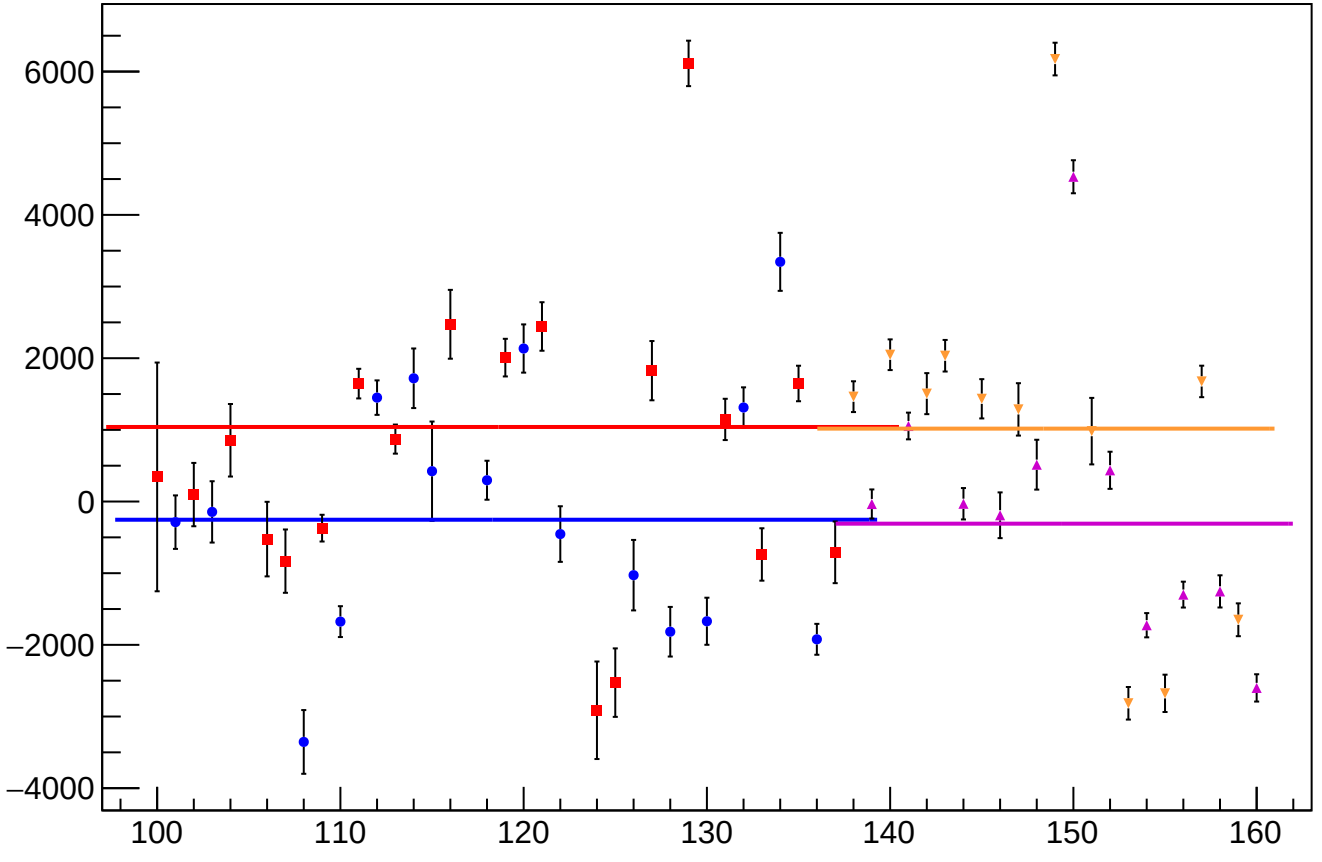
Left In: 195.842+/-0.047 χ^2/NDF:766823.9/10

+ sign 214.777+/-0.039 χ^2/NDF: 1661282.1/27

All: 204.268+/-0.026 χ^2/NDF: 3848340.1/57

- 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: 1017.349+/-71.651 χ^2/NDF:1196.6/11

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

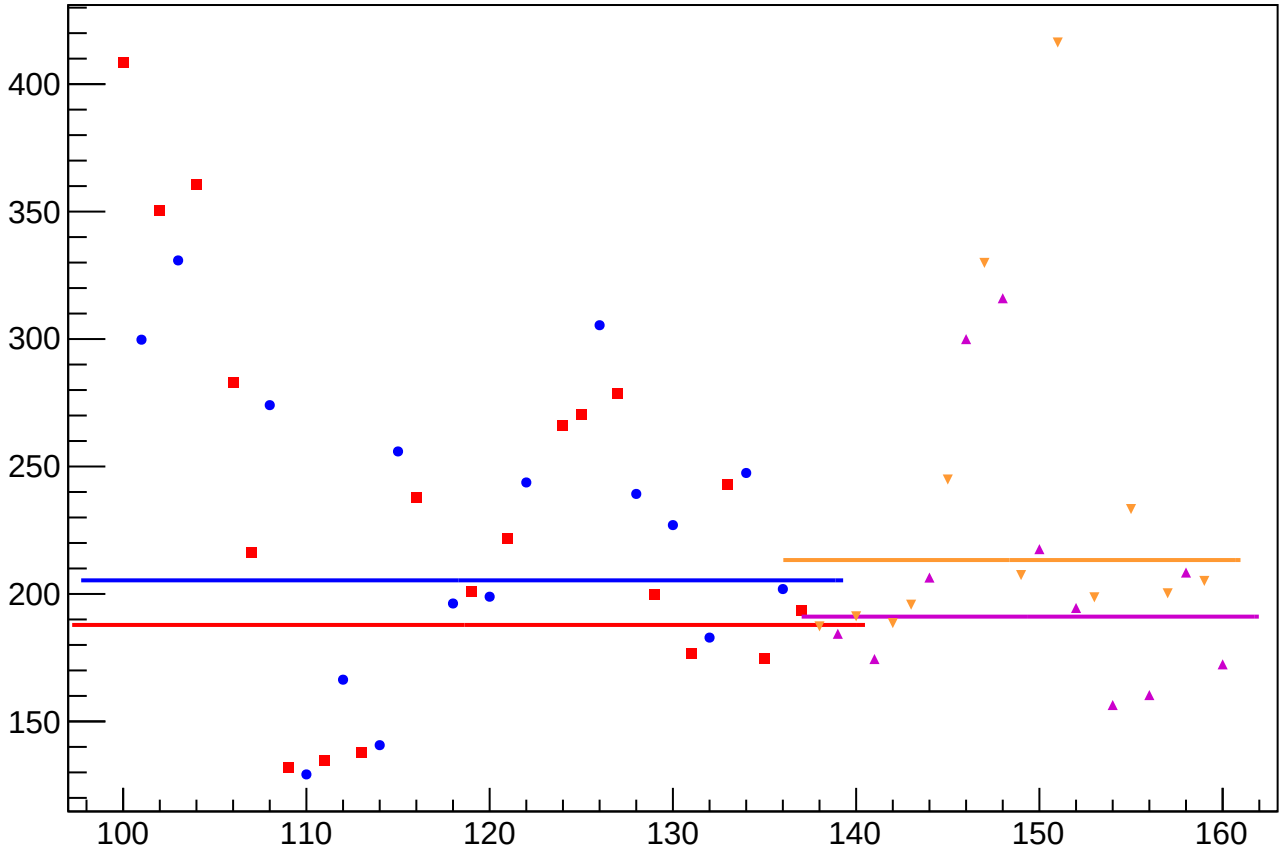
Left In: -309.037+/-64.736 χ^2/NDF:774.4/10

+ sign 453.176+/-53.439 χ^2/NDF: 1768.4/27

All: 359.215+/-35.931 χ^2/NDF: 3272.0/57

- 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: 213.305+/-0.051 χ^2/NDF:721943.4/11

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

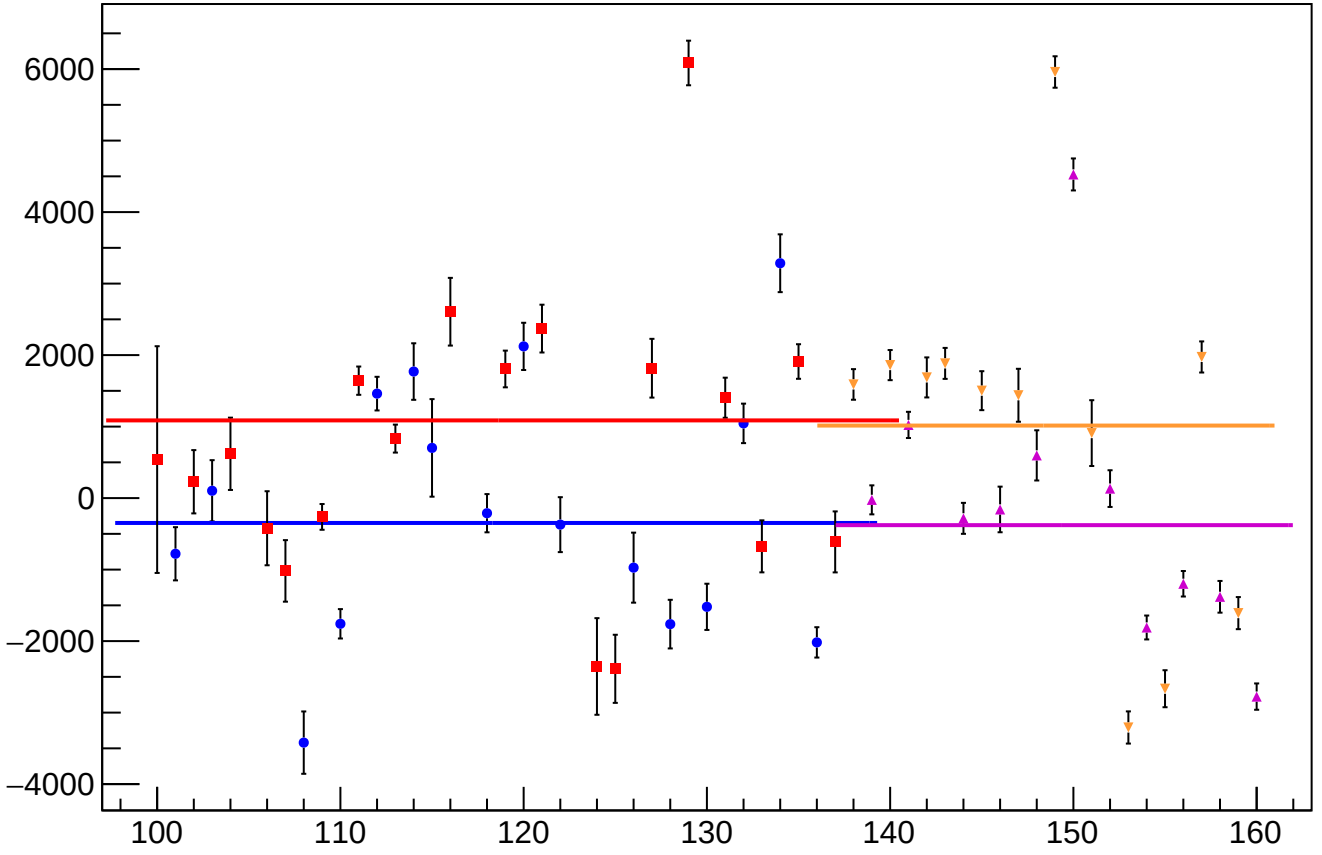
Left In: 191.109+/-0.046 χ^2/NDF:718490.5/10

+ sign 209.771+/-0.038 χ^2/NDF: 1610304.2/27

All: 198.763+/-0.025 χ^2/NDF: 3822936.7/57

- 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: 1014.435+/-70.668 χ^2/NDF:1265.7/11

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

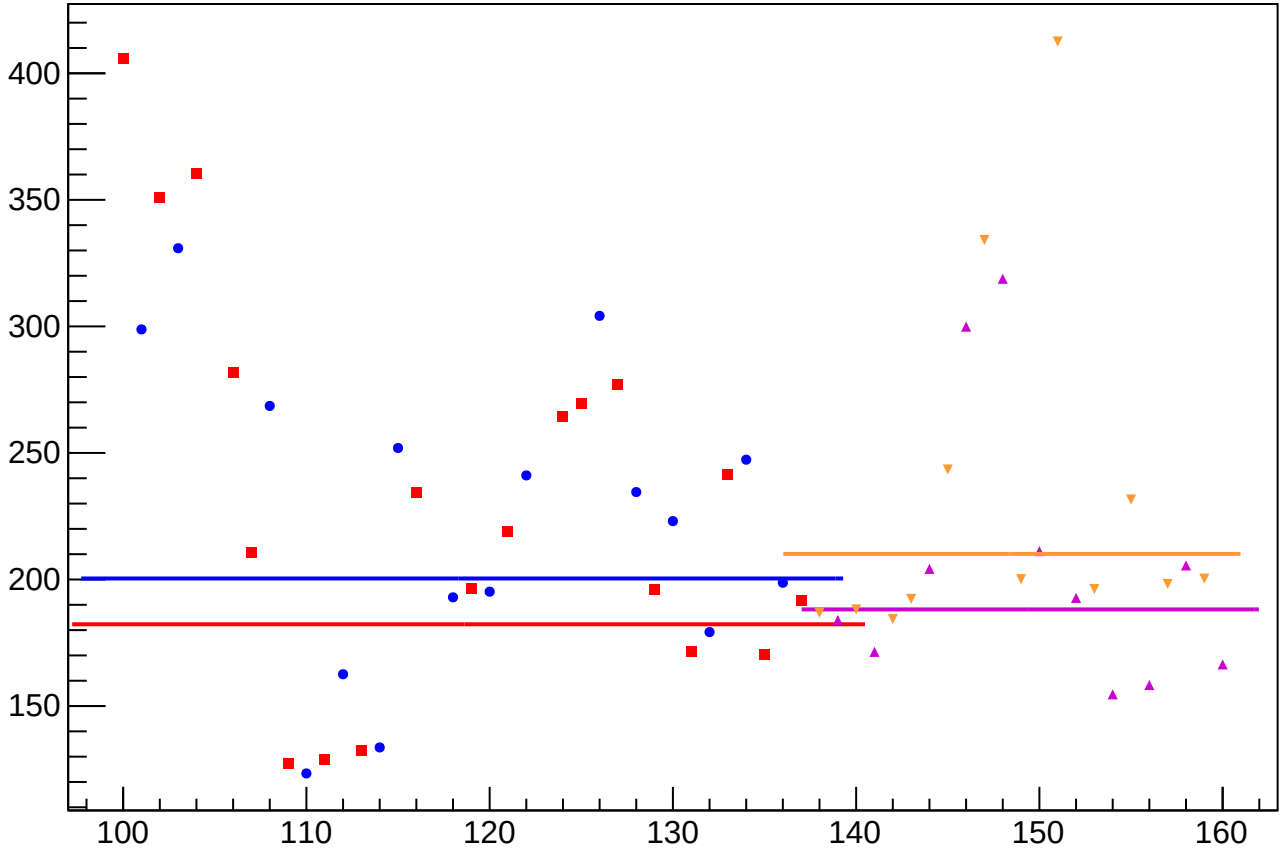
Left In: -378.310+/-63.814 χ^2/NDF:838.8/10

+ sign 405.281+/-52.541 χ^2/NDF: 1877.7/27

All: 331.462+/-35.285 χ^2/NDF: 3480.8/57

- 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: 210.102+/-0.050 χ^2/NDF:752302.0/11

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

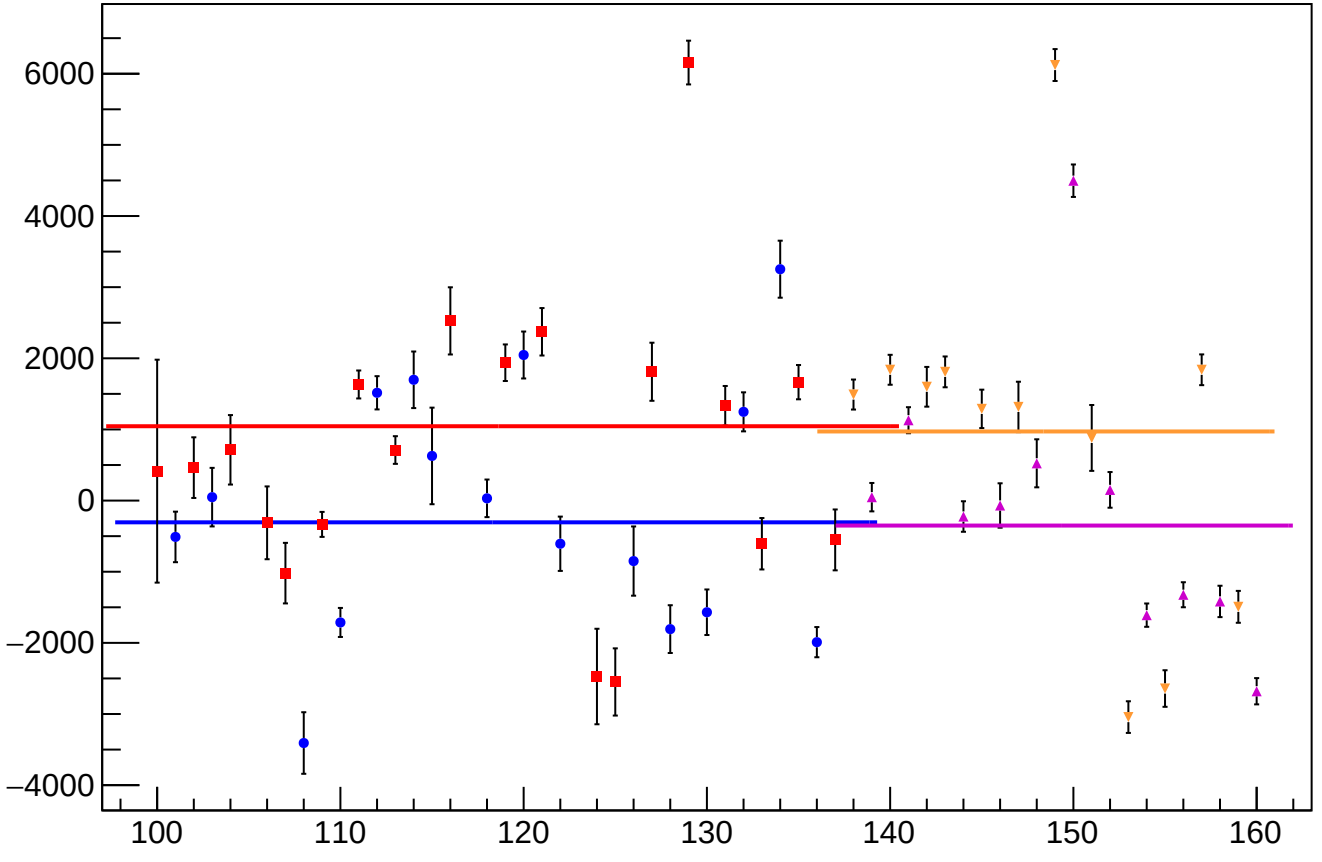
Left In: 188.183+/-0.045 χ^2/NDF:749409.7/10

+ sign 205.762+/-0.037 χ^2/NDF: 1728165.0/27

All: 194.680+/-0.025 χ^2/NDF: 4094365.3/57

- 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: 971.707+/-70.344 χ^2/NDF:1232.8/11

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

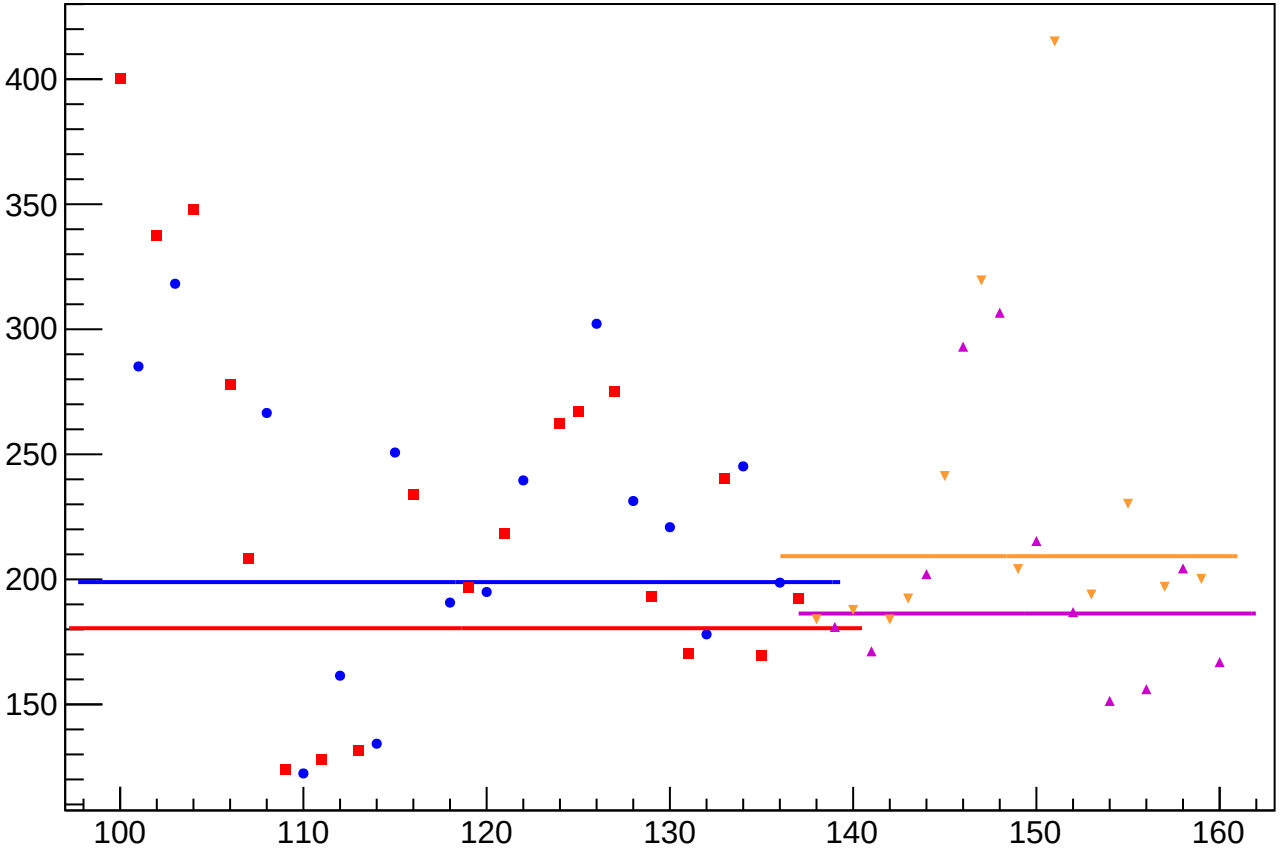
Left In: -350.985+/-63.211 χ^2/NDF:804.8/10

+ sign 397.706+/-52.199 χ^2/NDF: 1832.8/27

All: 326.313+/-34.993 χ^2/NDF: 3409.4/57

- 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: 209.261+/-0.050 χ^2/NDF:729076.6/11

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

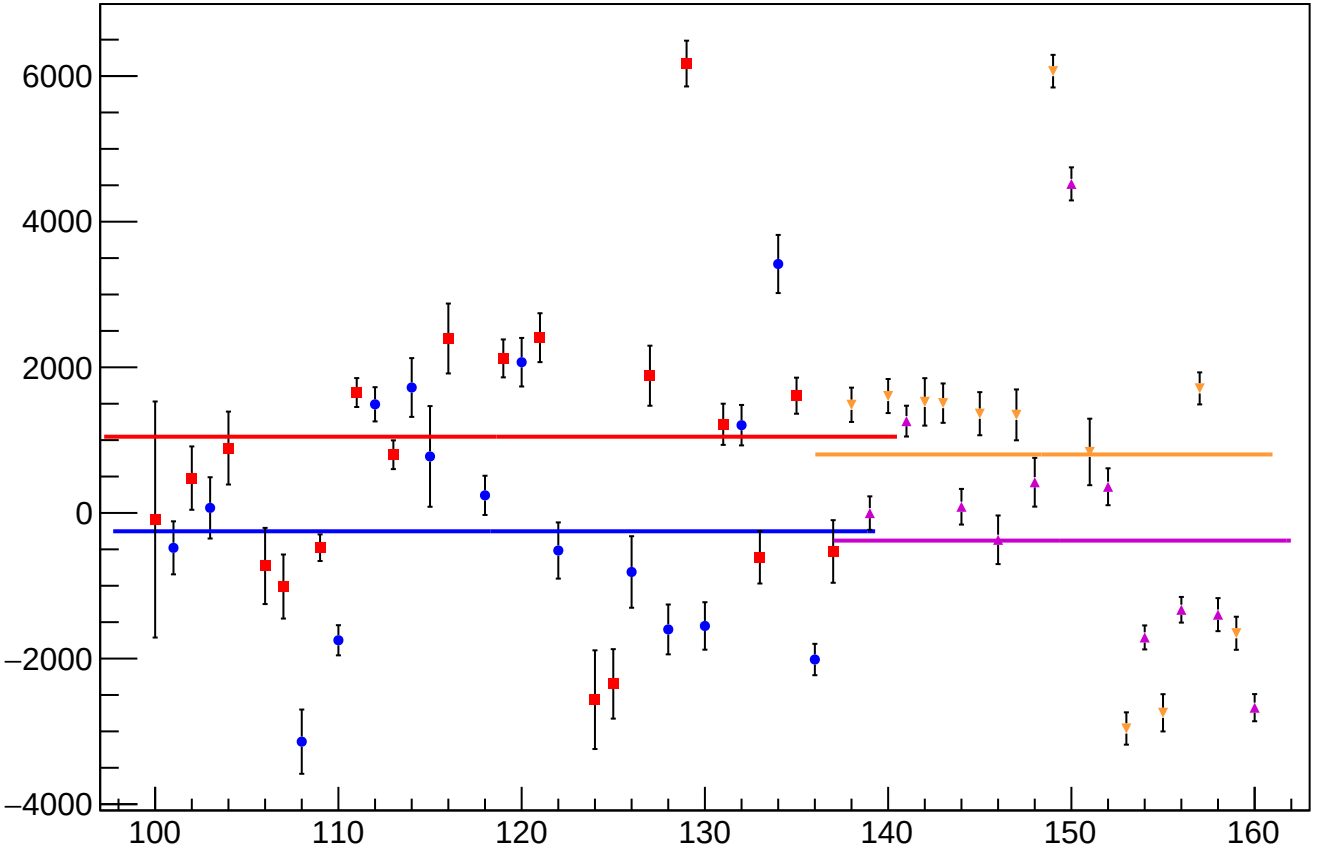
Left In: 186.342+/-0.045 χ^2/NDF:731527.4/10

+ sign 204.606+/-0.037 χ^2/NDF: 1661327.9/27

All: 193.117+/-0.025 χ^2/NDF: 4010905.2/57

- 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: 803.055+/-74.665 χ^2/NDF:1204.4/11

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

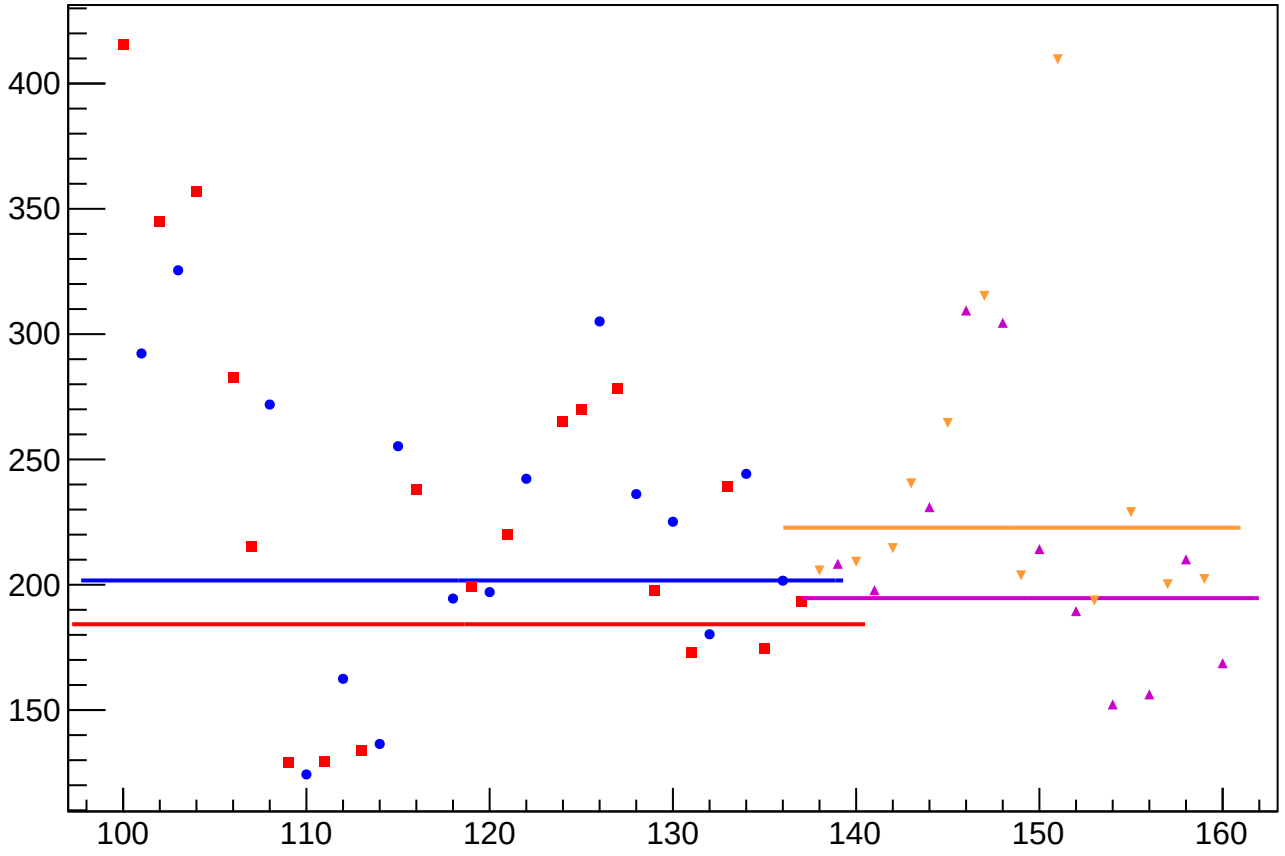
Left In: -379.874+/-66.232 χ^2/NDF:811.8/10

+ sign 305.191+/-54.256 χ^2/NDF: 1739.9/27

All: 287.023+/-36.284 χ^2/NDF: 3310.7/57

- 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: 222.770+/-0.053 χ^2/NDF:629203.0/11

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

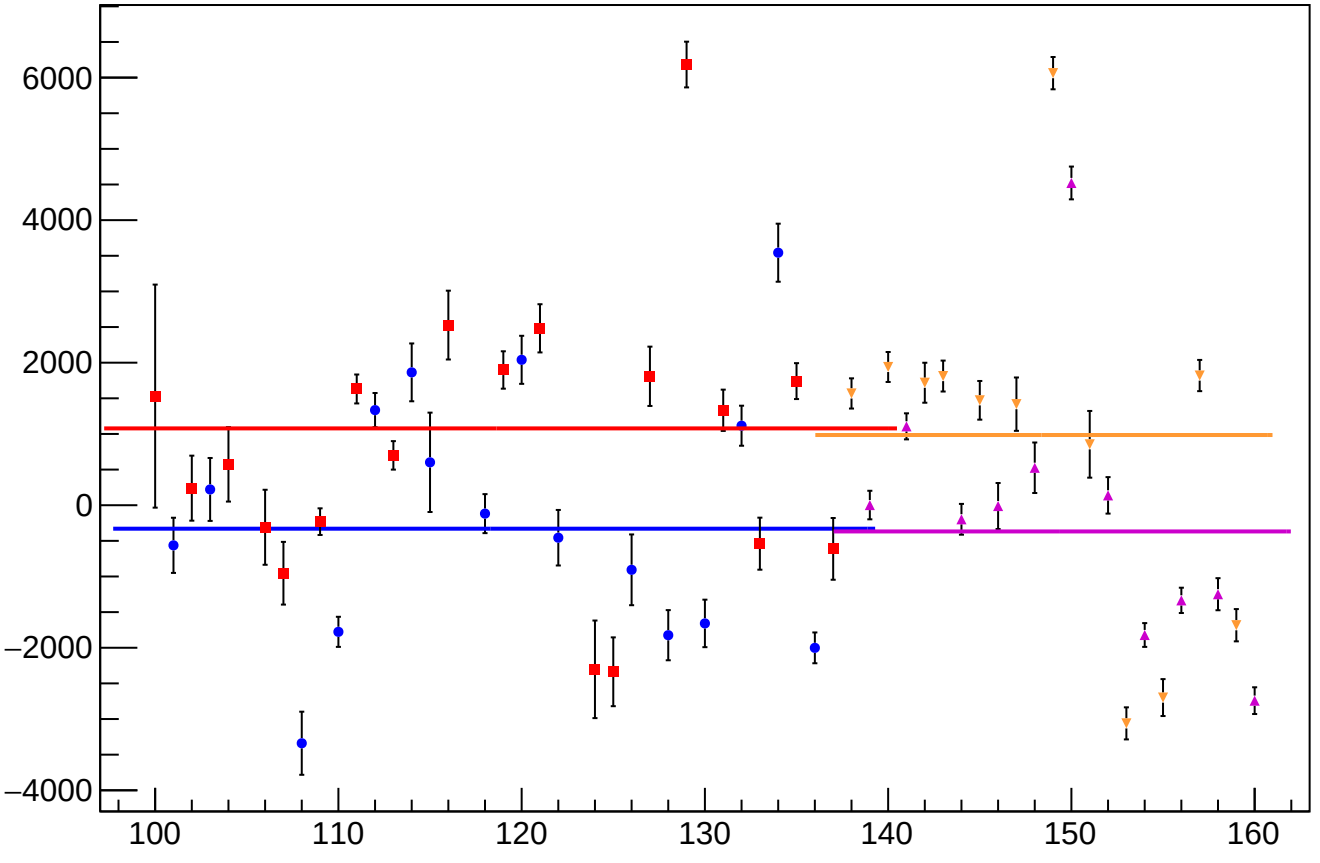
Left In: 194.661+/-0.047 χ^2/NDF:793940.4/10

+ sign 212.832+/-0.038 χ^2/NDF: 1628484.2/27

All: 200.156+/-0.026 χ^2/NDF: 4046289.1/57

- 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: 985.102+/-70.964 χ^2/NDF:1235.1/11

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

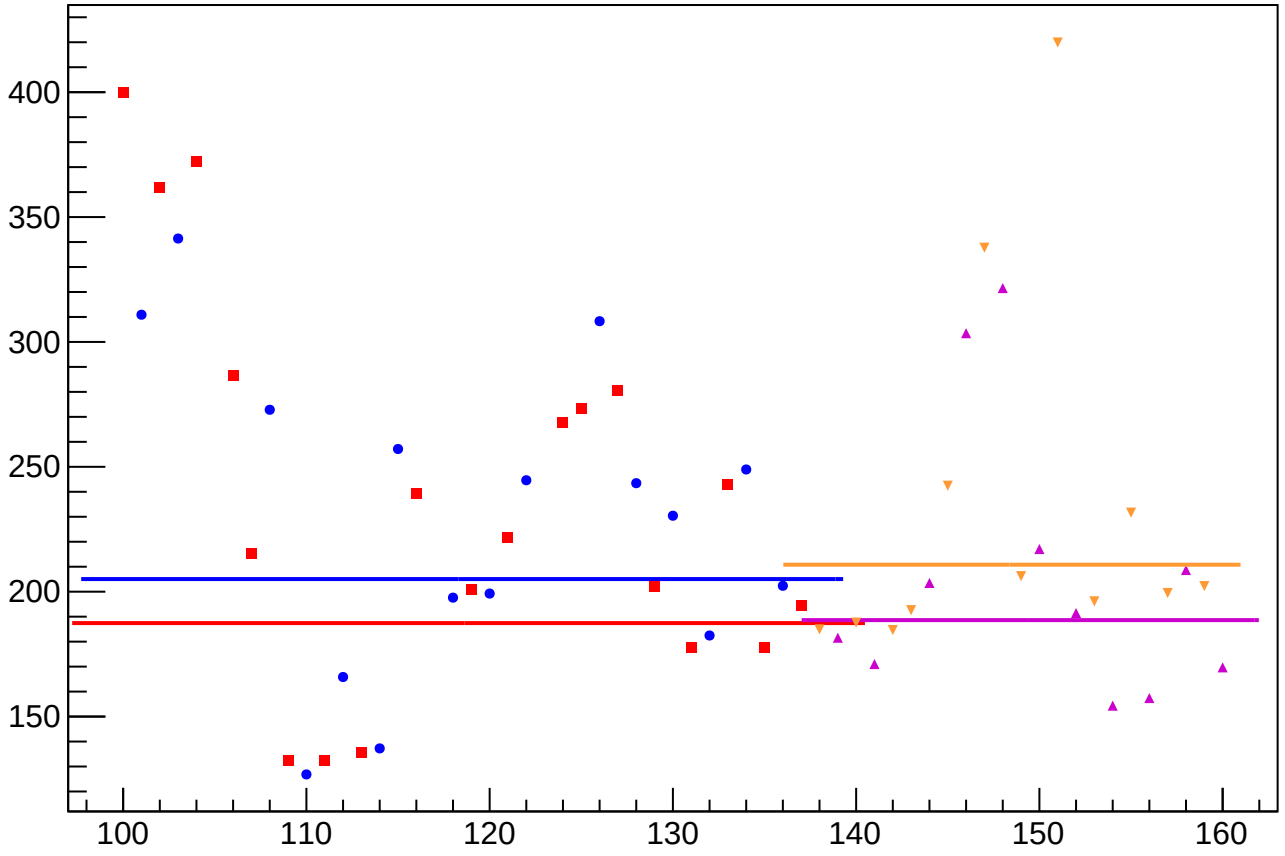
Left In: -367.954+/-64.044 χ^2/NDF:813.4/10

+ sign 409.221+/-53.195 χ^2/NDF: 1821.9/27

All: 325.694+/-35.742 χ^2/NDF: 3362.0/57

- 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: 210.798+/-0.050 χ^2/NDF:772295.3/11

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

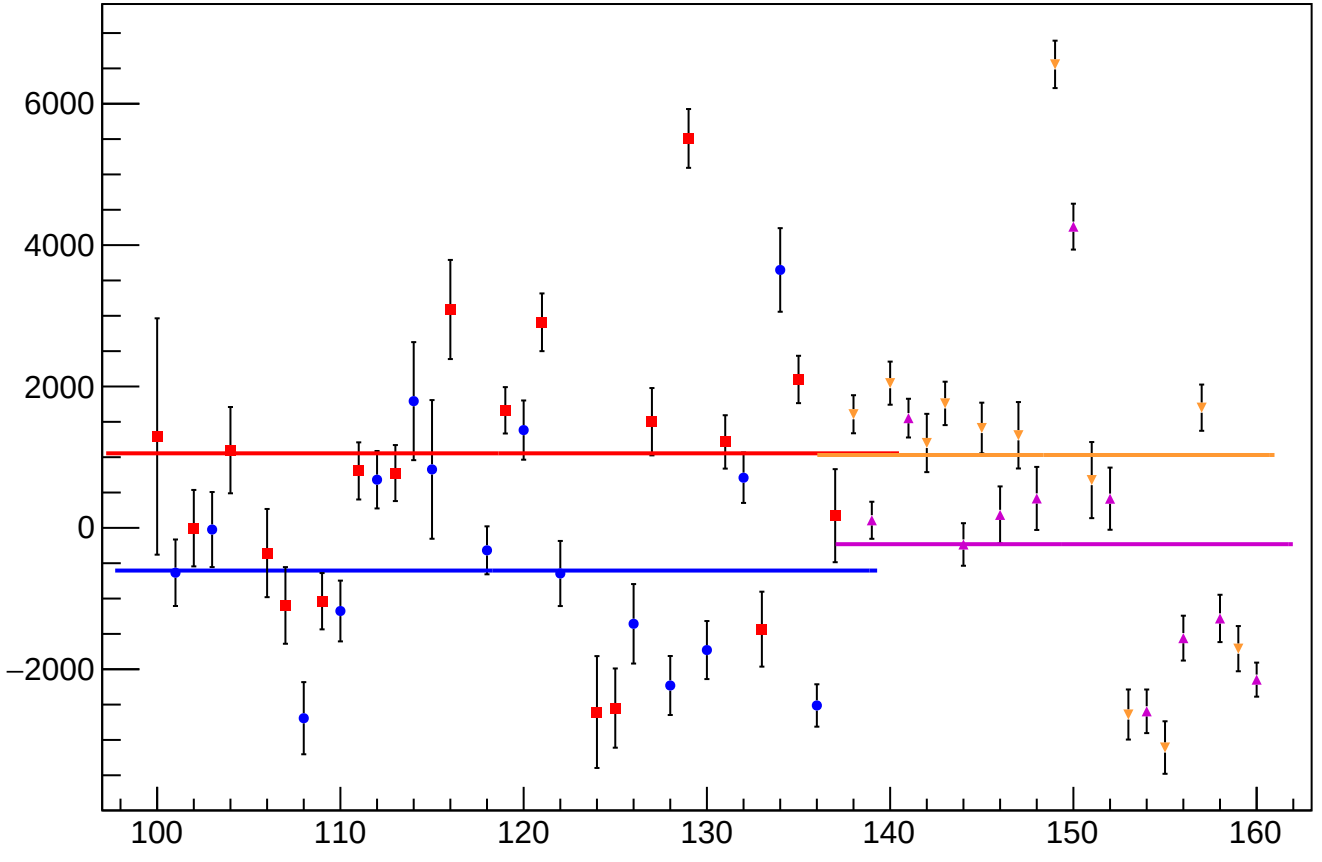
Left In: 188.617+/-0.045 χ^2/NDF:778542.0/10

+ sign 208.281+/-0.038 χ^2/NDF: 1741090.5/27

All: 197.213+/-0.025 χ^2/NDF: 4088568.2/57

- 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: 1031.009+/-99.989 χ^2/NDF:603.8/11

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

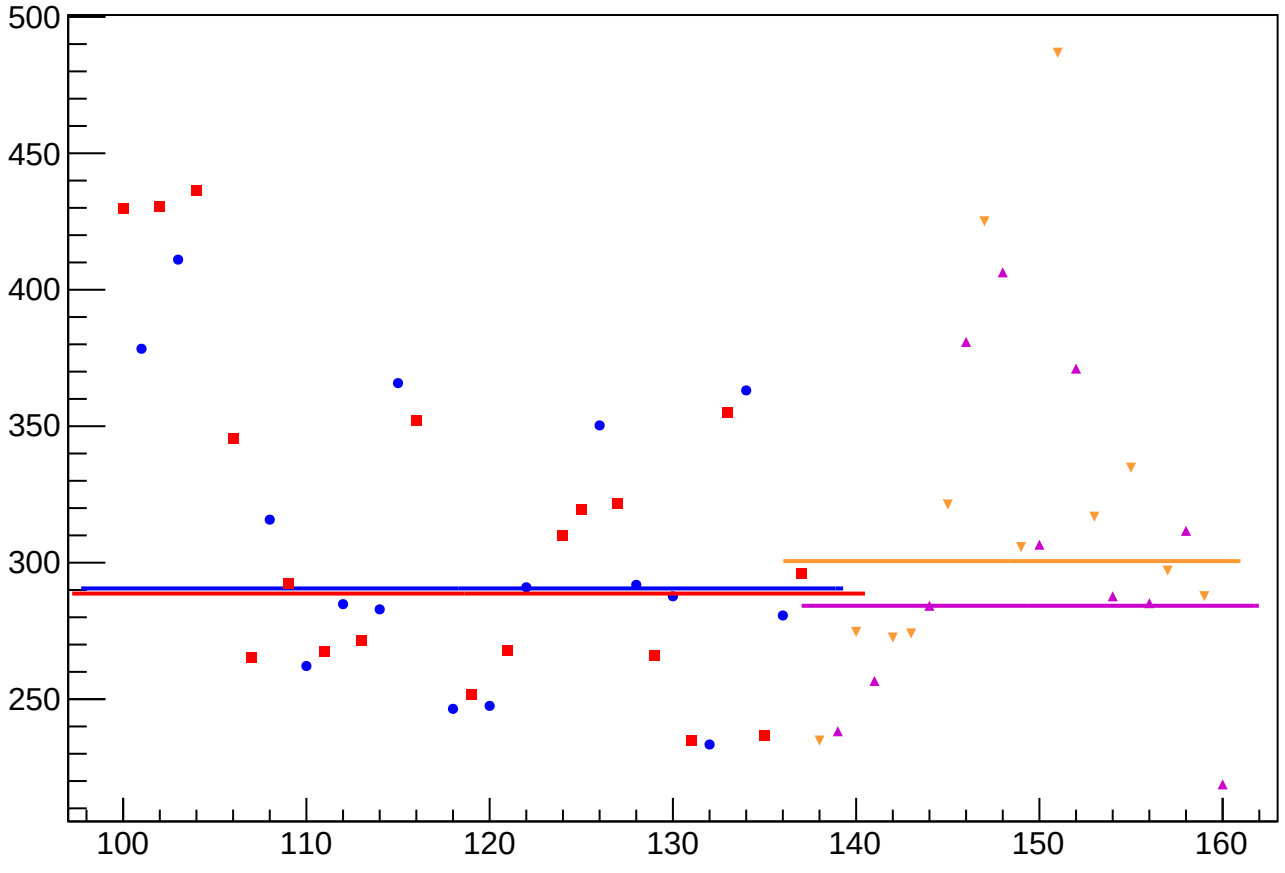
Left In: -230.773+/-94.760 χ^2/NDF:390.3/10

+ sign 296.426+/-74.199 χ^2/NDF: 917.5/27

All: 312.207+/-51.413 χ^2/NDF: 1685.4/57

- 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: 300.587+/-0.071 χ^2/NDF:569495.4/11

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

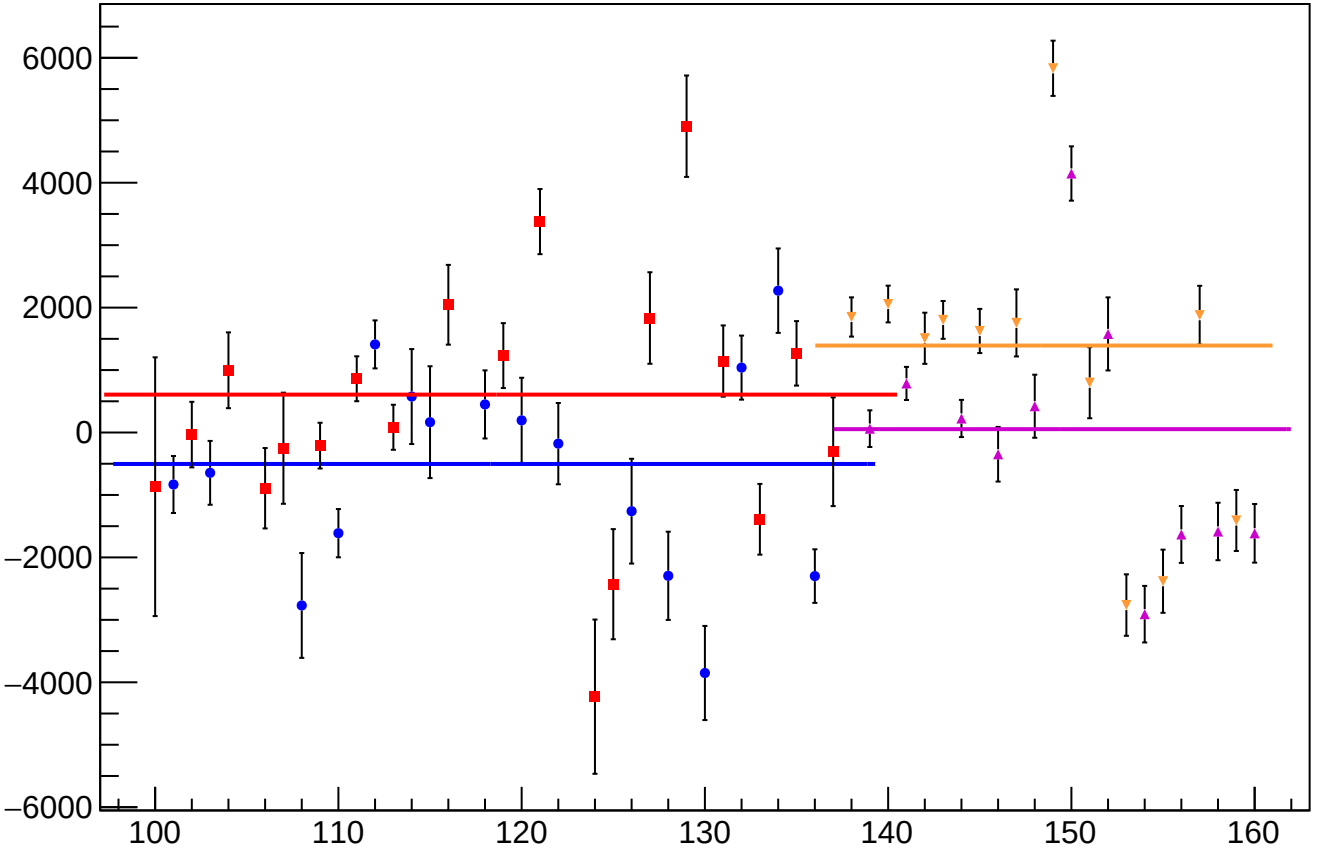
Left In: 284.217+/-0.067 χ^2/NDF:595866.3/10

+ sign 296.084+/-0.052 χ^2/NDF: 938327.6/27

All: 290.922+/-0.036 χ^2/NDF: 2043836.4/57

- 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: 1392.766+/-115.505 χ^2/NDF:272.8/11

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

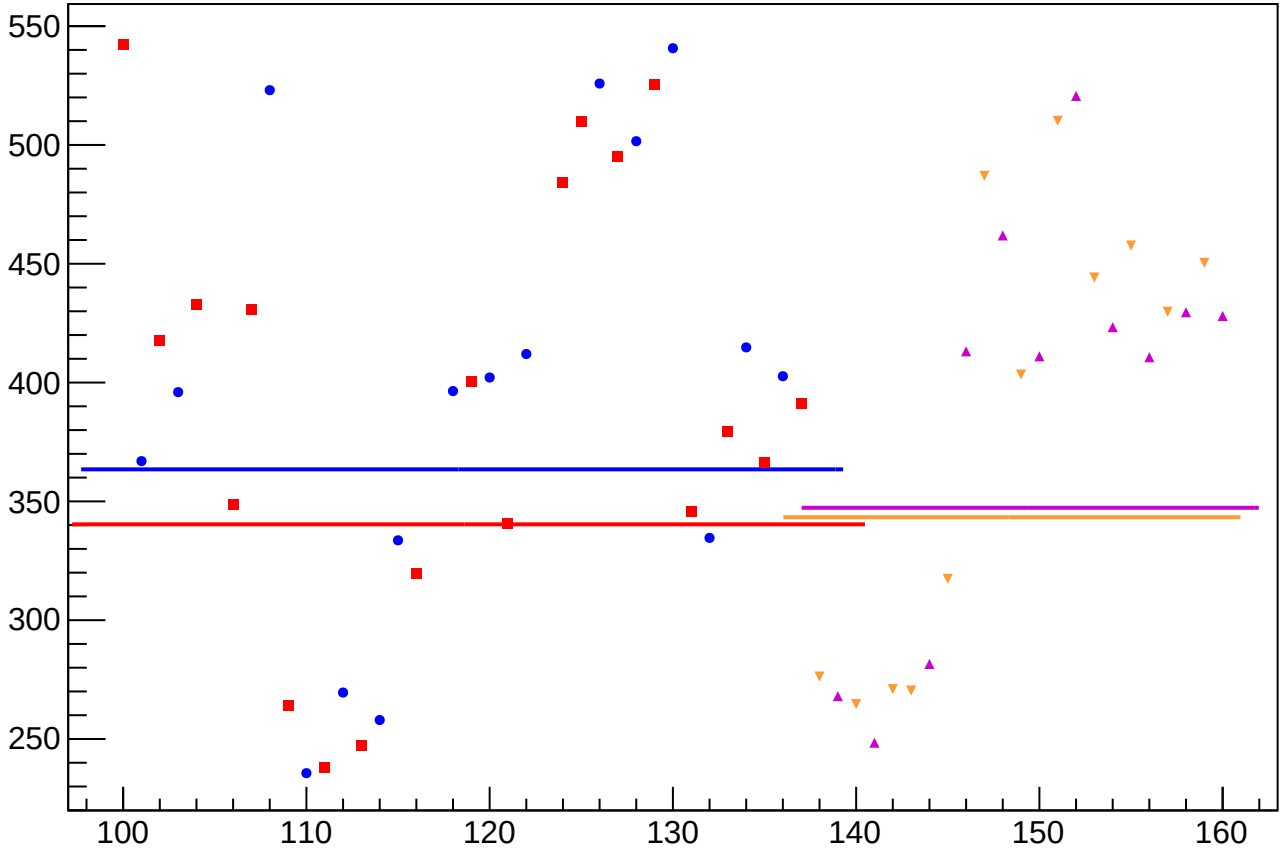
Left In: 53.899+/-116.722 χ^2/NDF:186.5/10

+ sign 625.077+/-89.111 χ^2/NDF: 500.2/27

All: 458.937+/-62.154 χ^2/NDF: 828.7/57

- 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: 343.319+/-0.082 χ^2/NDF:1124996.1/11

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

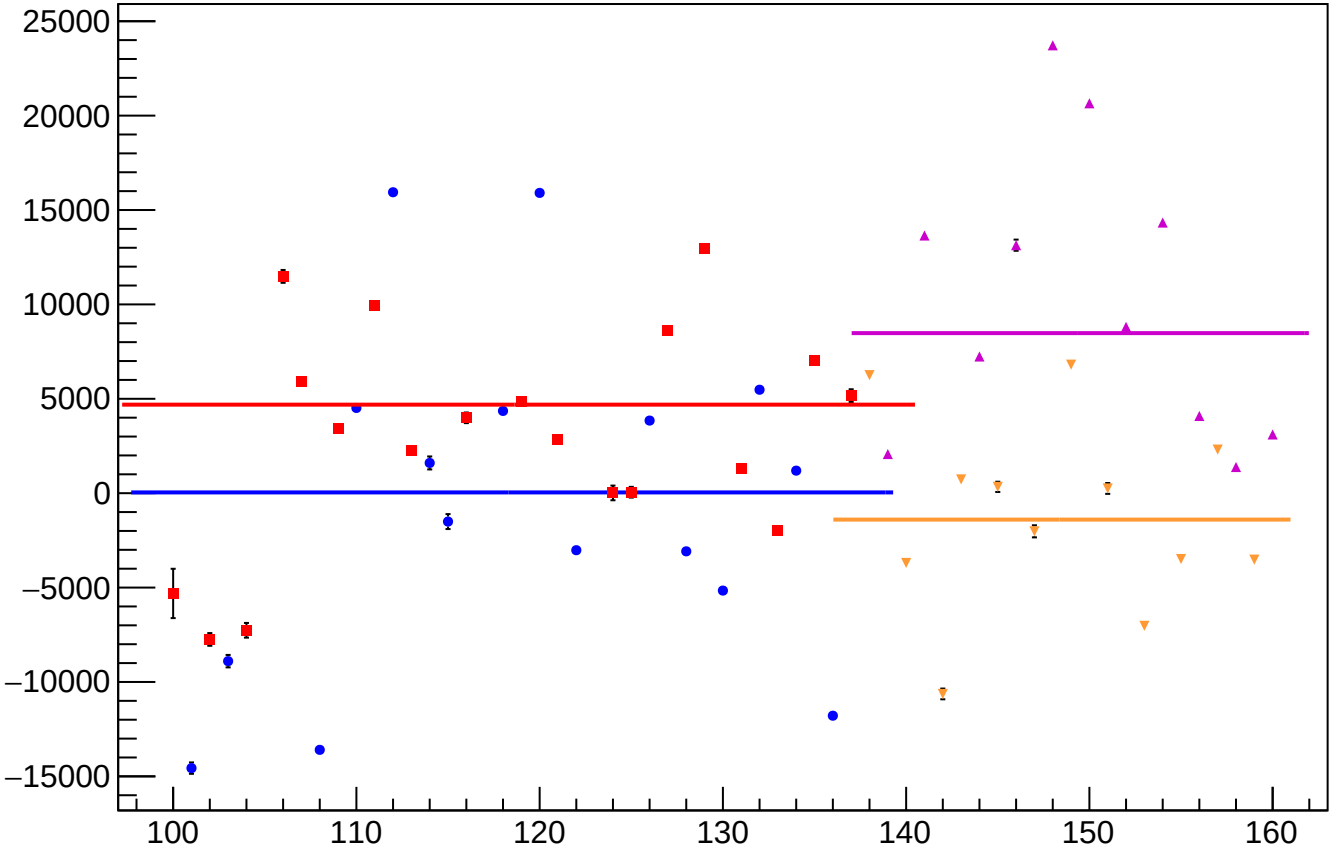
Left In: 347.311+/-0.083 χ^2/NDF:1106149.3/10

+ sign 351.477+/-0.063 χ^2/NDF: 1930532.6/27

All: 347.733+/-0.044 χ^2/NDF: 3902989.8/57

- 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: -1398.372+/-56.229 χ^2/NDF:6795.1/11

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

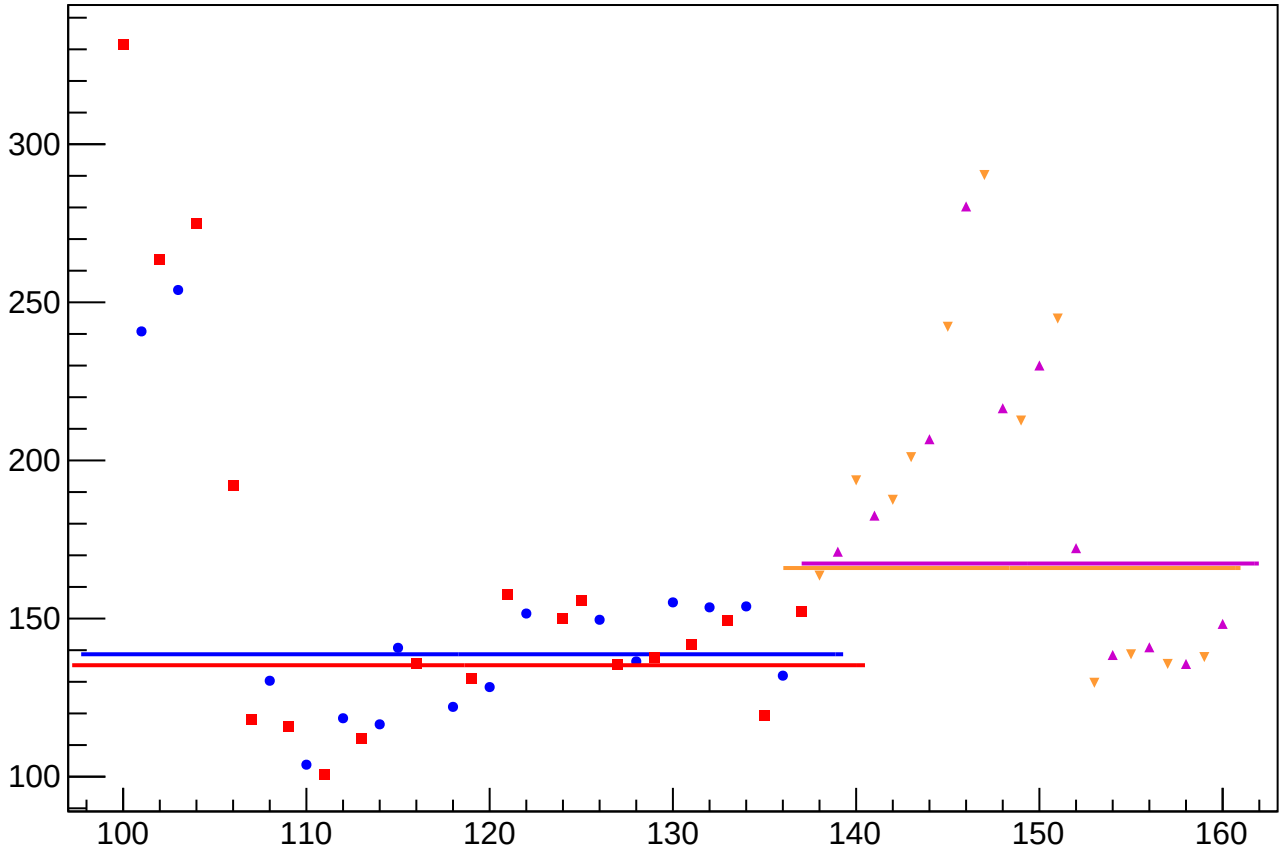
Left In: 8478.858+/-56.825 χ^2/NDF:14215.2/10

+ sign -652.273+/-39.022 χ^2/NDF: 37921.1/27

All: 2940.693+/-27.370 χ^2/NDF: 79035.2/57

- 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: 165.982+/-0.040 χ^2/NDF:1125866.7/11

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

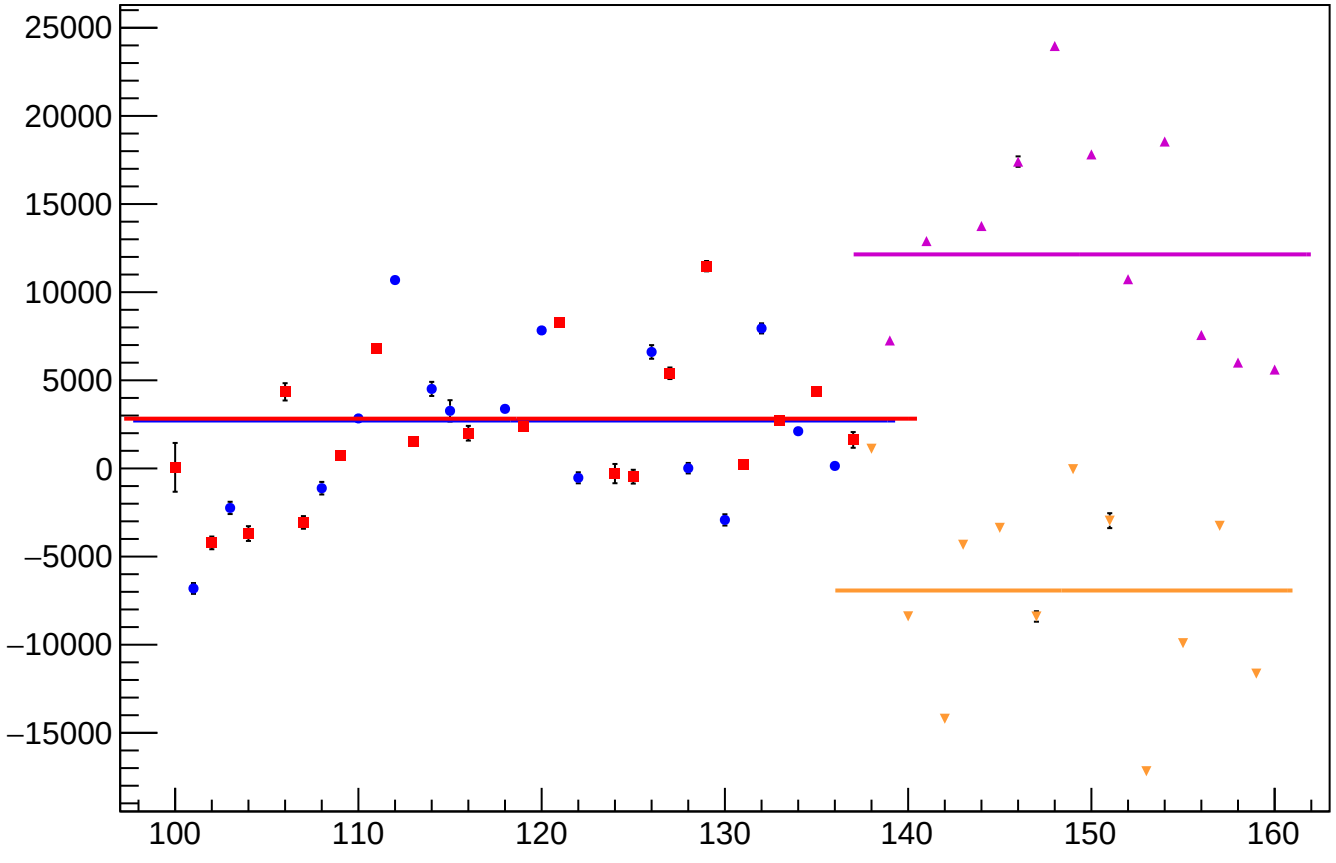
Left In: 167.407+/-0.040 χ^2/NDF:833941.7/10

+ sign 151.846+/-0.028 χ^2/NDF: 2027510.7/27

All: 150.873+/-0.019 χ^2/NDF: 4102017.3/57

- 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: -6924.698+/-67.149 χ^2/NDF:7355.0/11

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

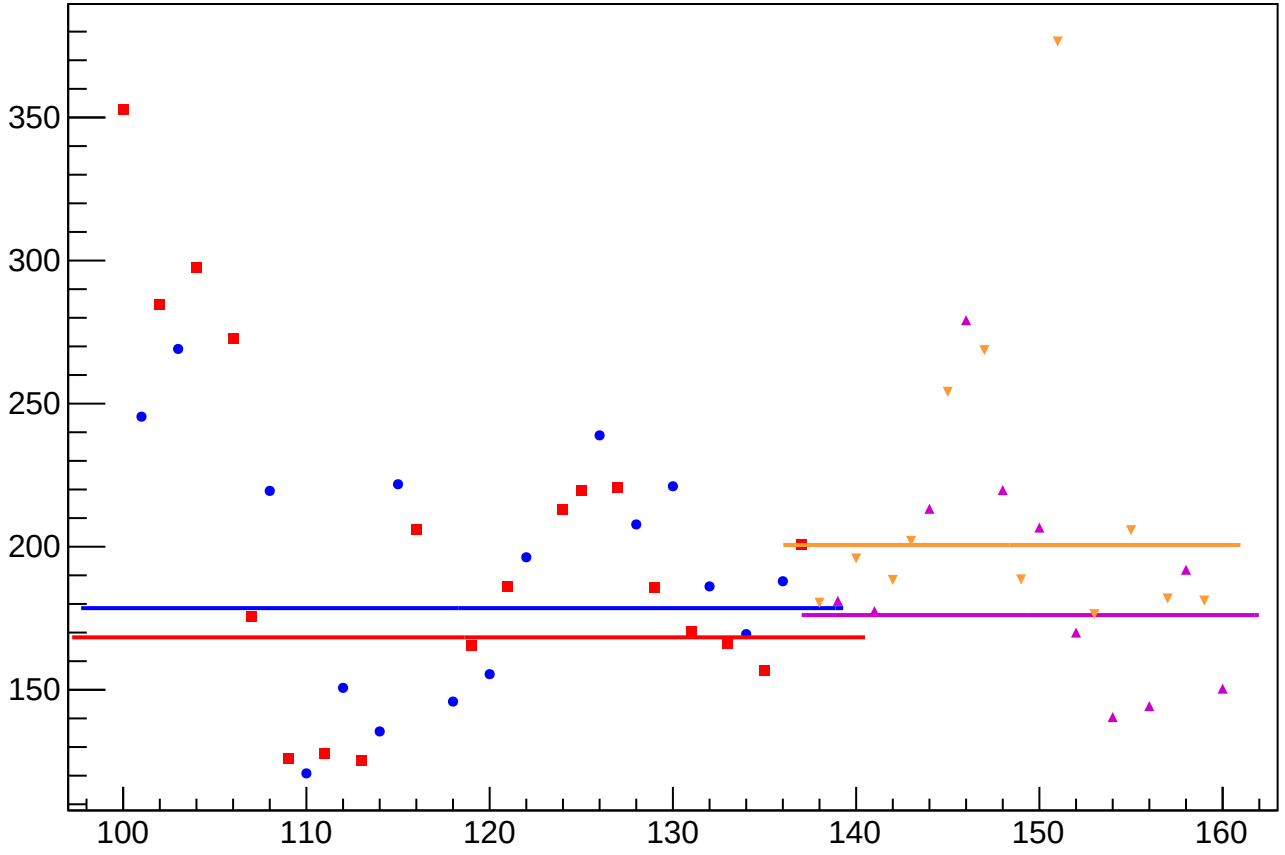
Left In: 12143.672+/-59.626 χ^2/NDF:9004.8/10

+ sign -2250.697+/-48.206 χ^2/NDF: 21481.8/27

All: 3284.899+/-32.455 χ^2/NDF: 68860.2/57

- 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: 200.606+/-0.047 χ^2/NDF:617081.6/11

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

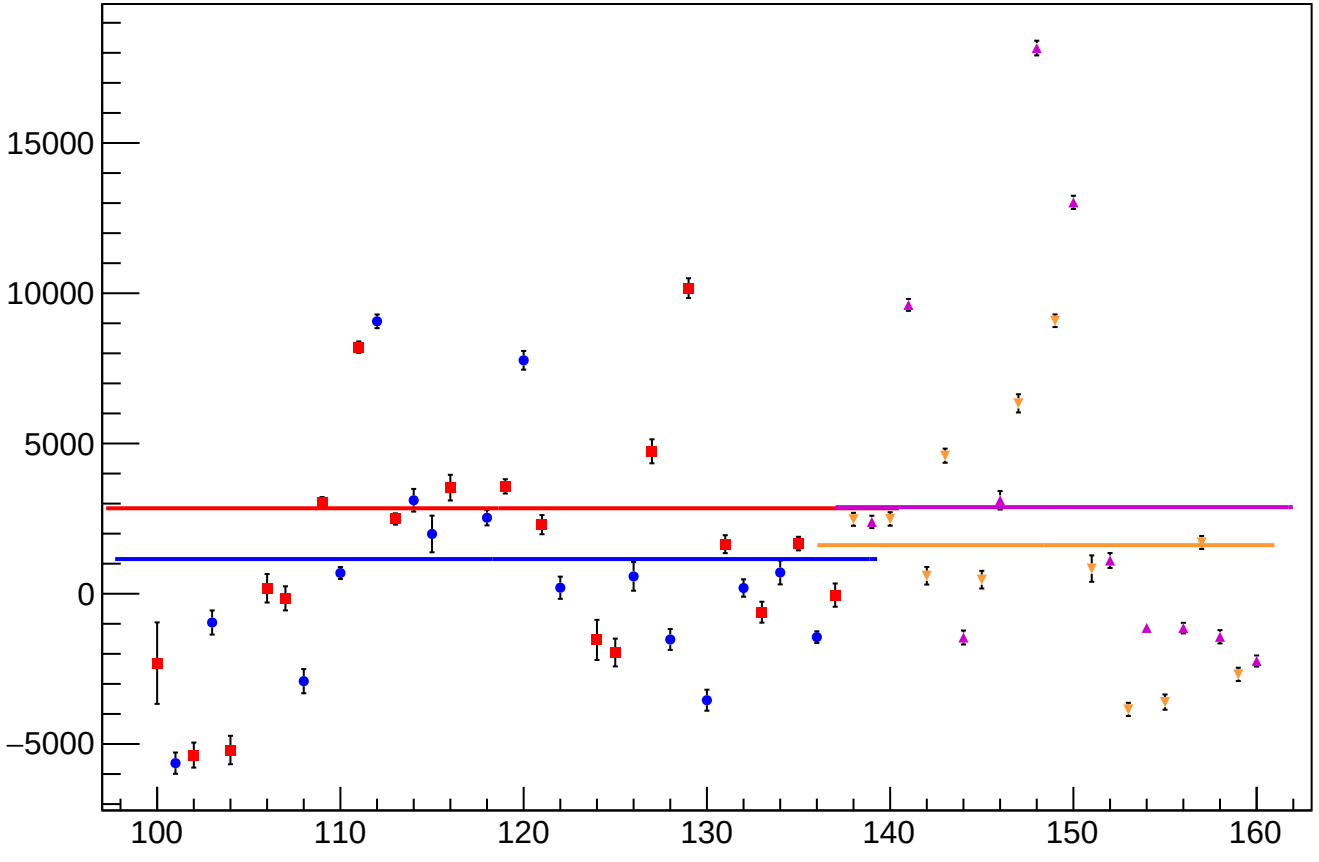
Left In: 176.120+/-0.042 χ^2/NDF:647425.9/10

+ sign 189.913+/-0.034 χ^2/NDF: 1396304.5/27

All: 180.422+/-0.023 χ^2/NDF: 3180635.2/57

- 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: 1617.160+/-70.874 χ^2/NDF:3131.0/11

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

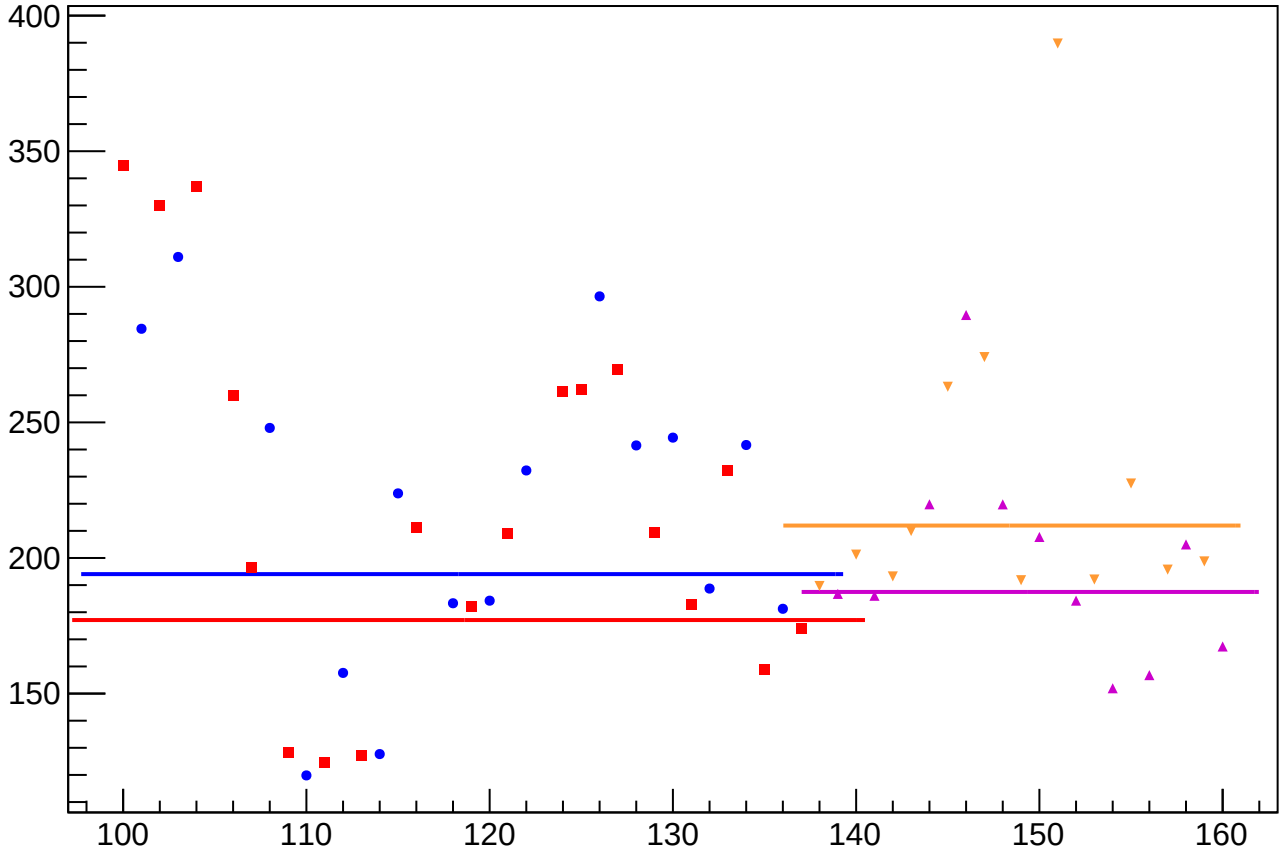
Left In: 2882.120+/-63.258 χ^2/NDF:9808.0/10

\+ sign 1401.511+/-51.819 χ^2/NDF: 5806.2/27

All: 2209.382+/-34.679 χ^2/NDF: 18507.8/57

\- 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: 211.959+/-0.050 χ^2/NDF:566452.4/11

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

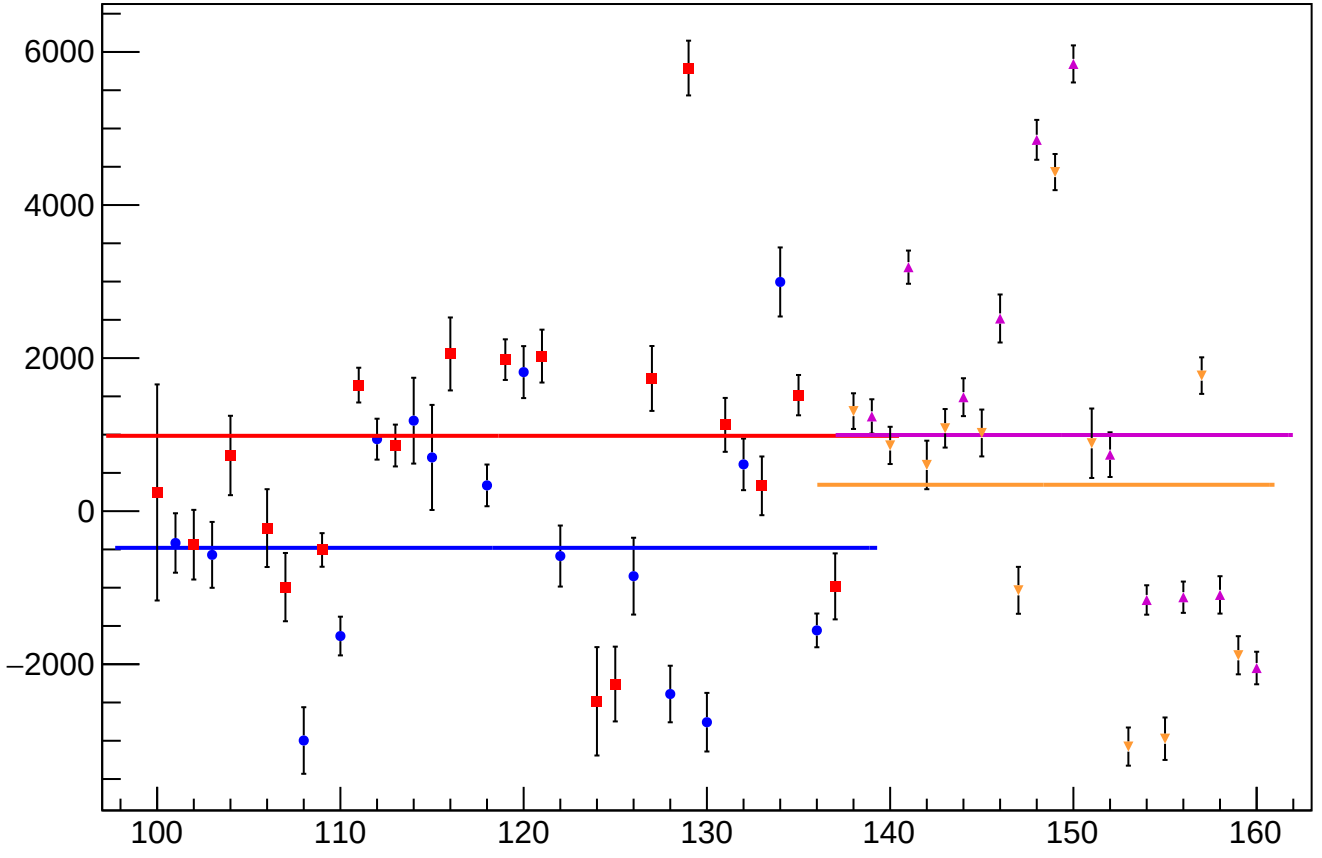
Left In: 187.477+/-0.045 χ^2/NDF:499987.8/10

+ sign 203.625+/-0.037 χ^2/NDF: 1591657.2/27

All: 192.102+/-0.025 χ^2/NDF: 3654558.3/57

- 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: 344.844+/-77.184 χ^2/NDF:803.8/11

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

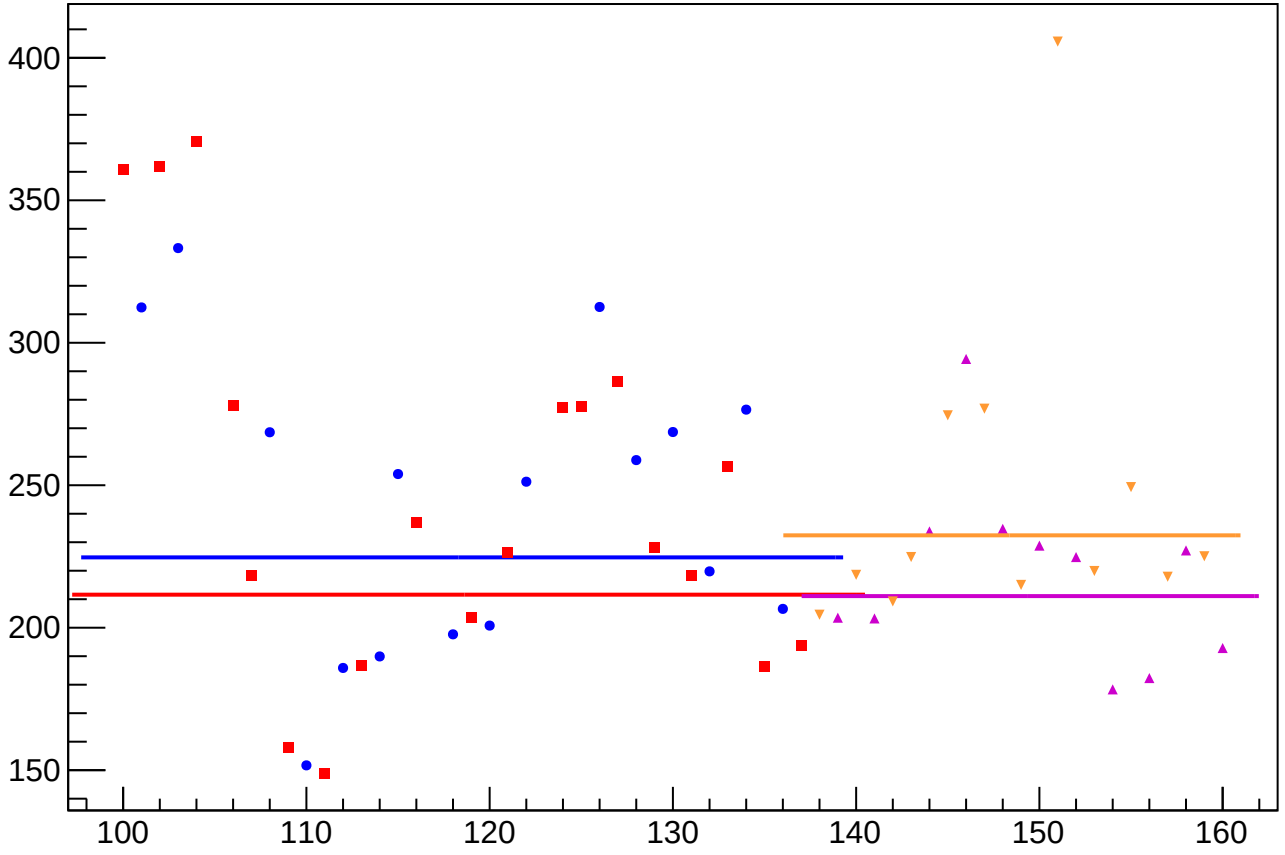
Left In: 995.123+/-70.515 χ^2/NDF:1262.8/10

+ sign -19.608+/-57.645 χ^2/NDF: 1159.6/27

All: 526.197+/-39.083 χ^2/NDF: 2986.5/57

- 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: 232.418+/-0.055 χ^2/NDF:451641.8/11

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

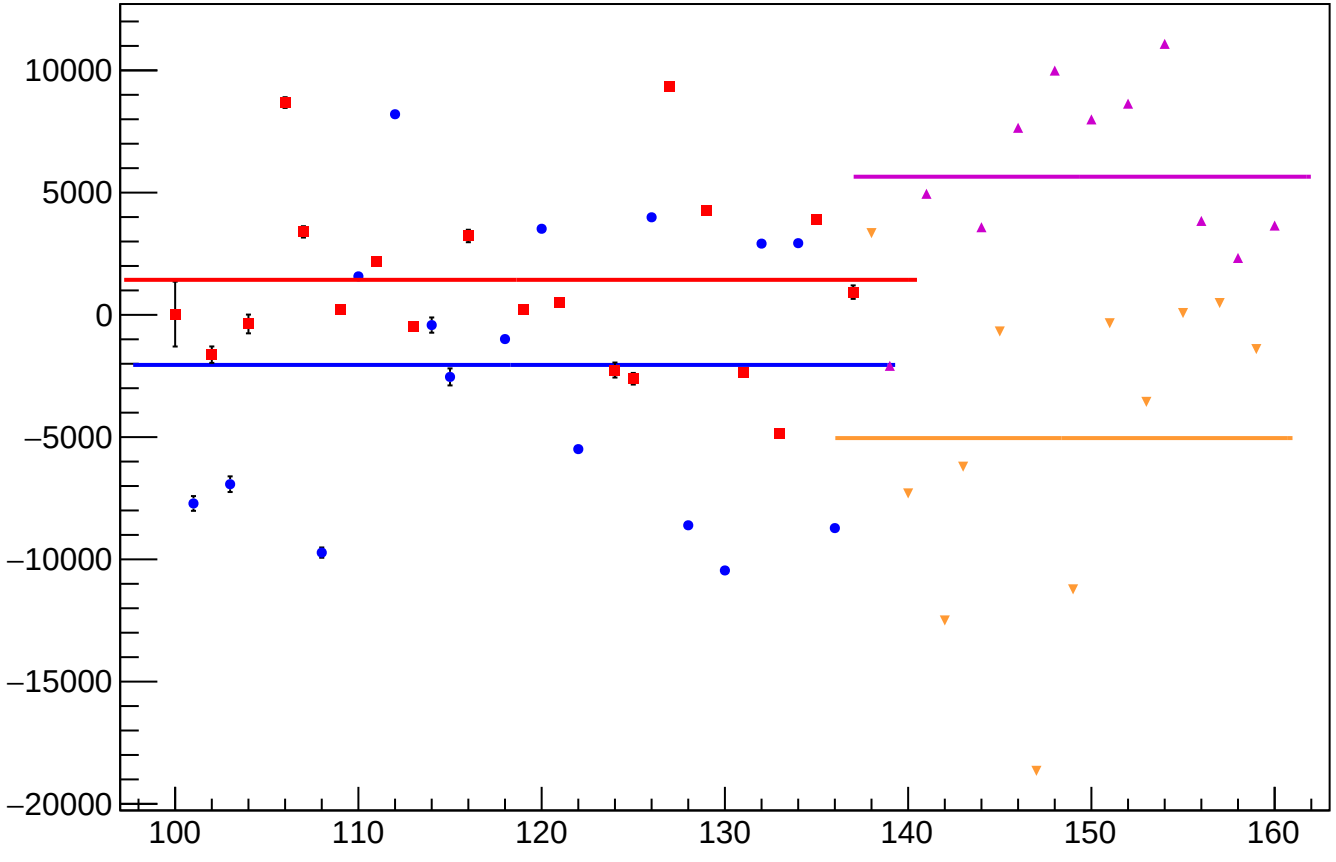
Left In: 211.094+/-0.050 χ^2/NDF:314877.2/10

+ sign 228.998+/-0.041 χ^2/NDF: 1113719.2/27

All: 219.441+/-0.028 χ^2/NDF: 2463278.3/57

- 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: -5039.958+/-37.770 χ^2/NDF:28389.5/11

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

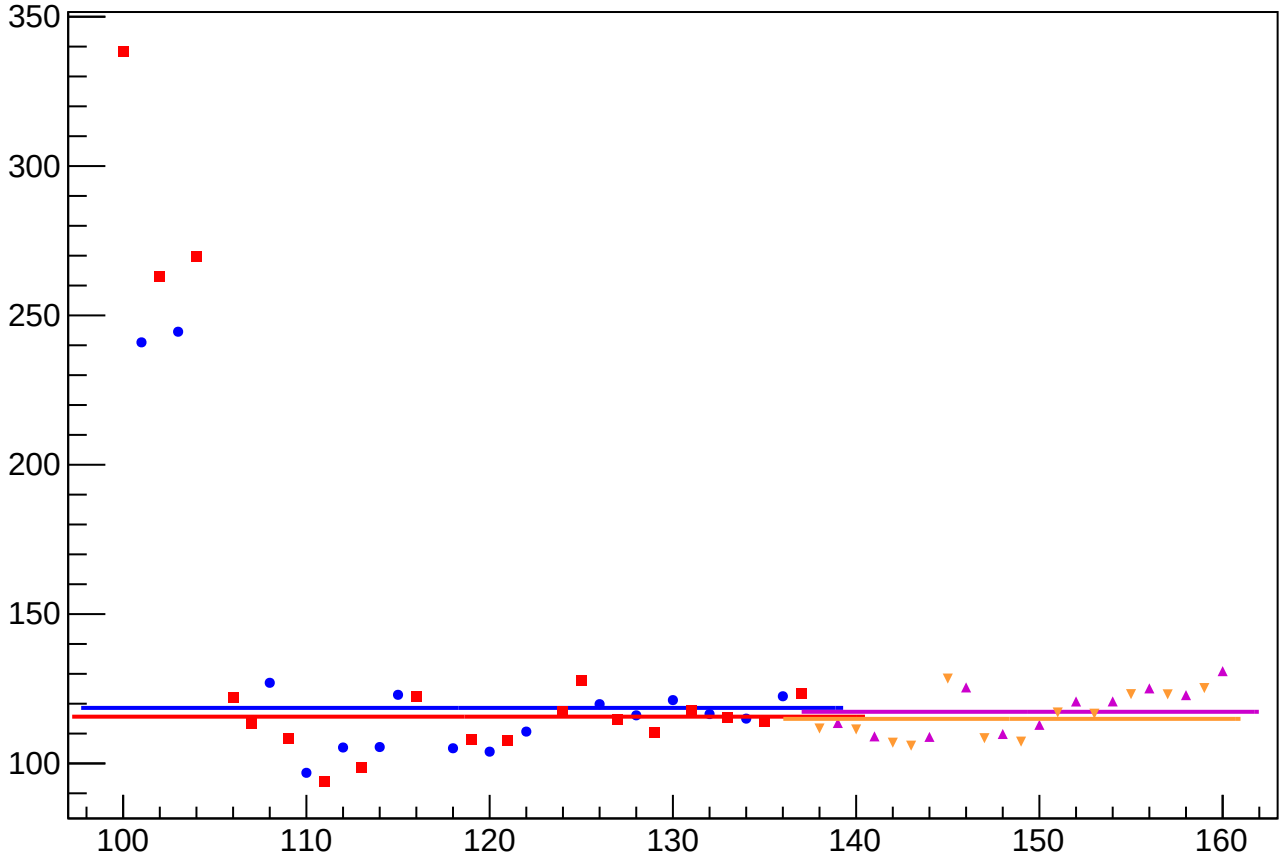
Left In: 5650.559+/-38.489 χ^2/NDF:9212.2/10

+ sign -3857.155+/-29.373 χ^2/NDF: 47579.9/27

All: 25.620+/-20.699 χ^2/NDF: 103001.8/57

- 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: 114.924+/-0.027 χ^2/NDF:77200.5/11

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

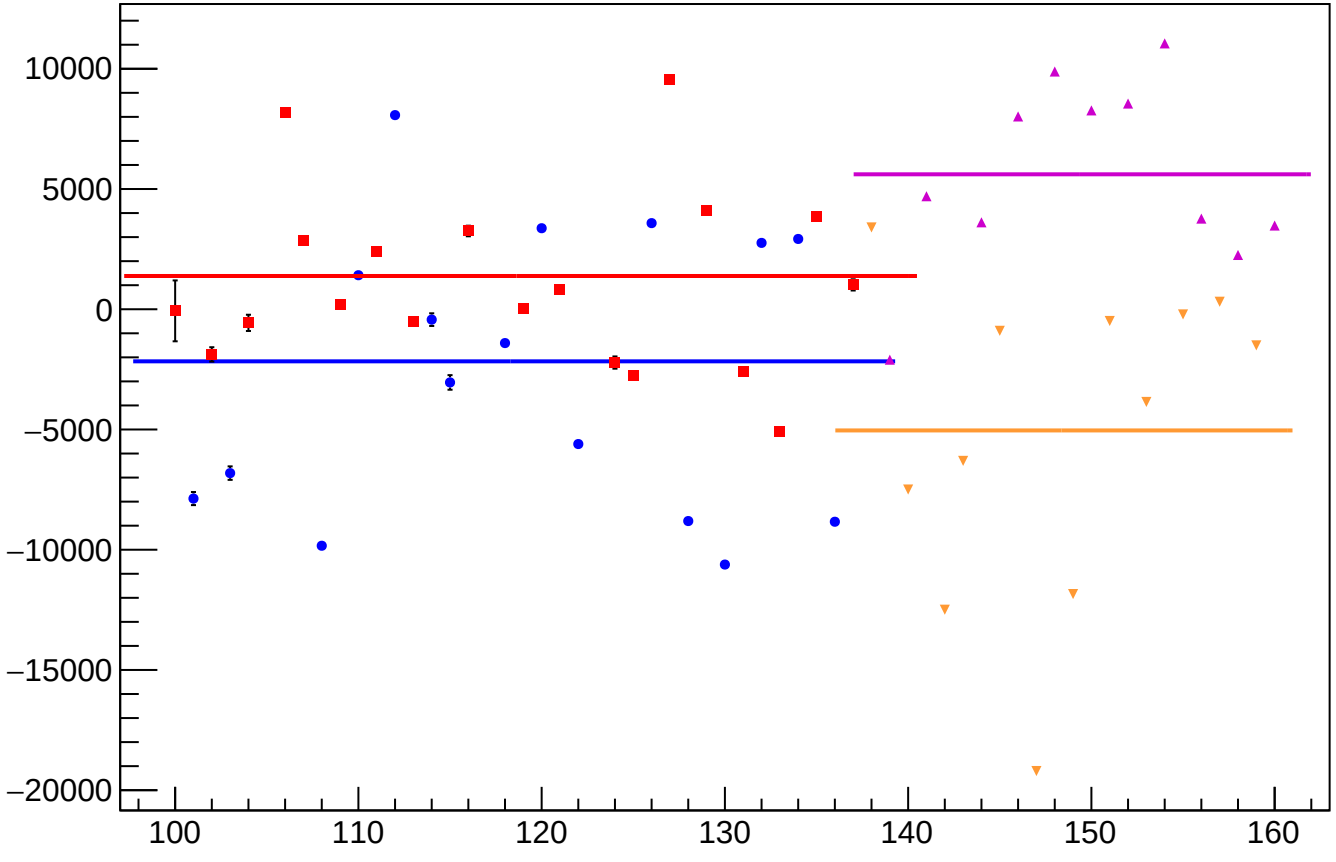
Left In: 117.291+/-0.027 χ^2/NDF:69991.3/10

+ sign 116.375+/-0.021 χ^2/NDF: 818830.8/27

All: 116.487+/-0.015 χ^2/NDF: 1754613.5/57

- 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: -5039.242+/-34.036 χ^2/NDF:34502.6/11

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

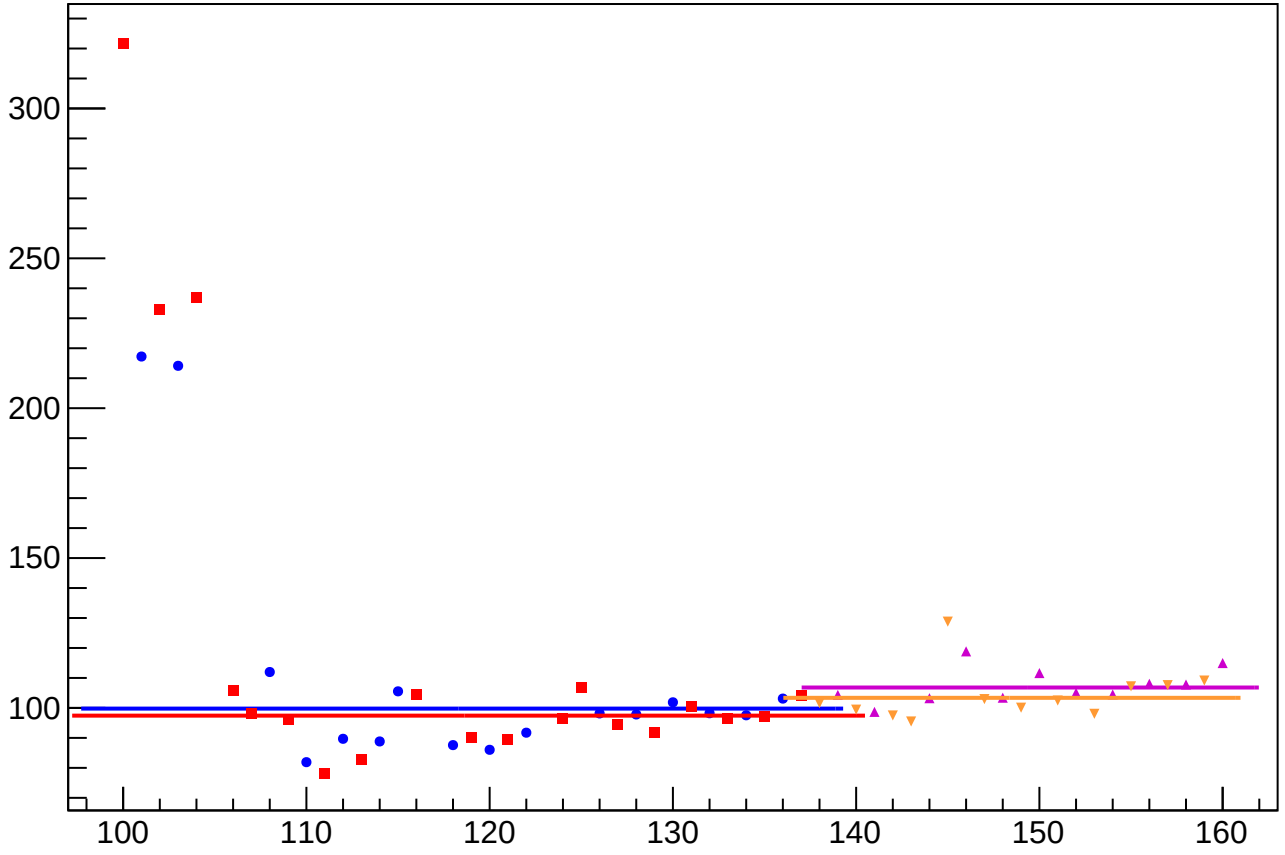
Left In: 5611.795+/-35.067 χ^2/NDF:11370.3/10

+ sign -3819.585+/-25.821 χ^2/NDF: 60402.6/27

All: -68.621+/-18.238 χ^2/NDF: 129726.5/57

- 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: 103.368+/-0.024 χ^2/NDF:93844.0/11

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

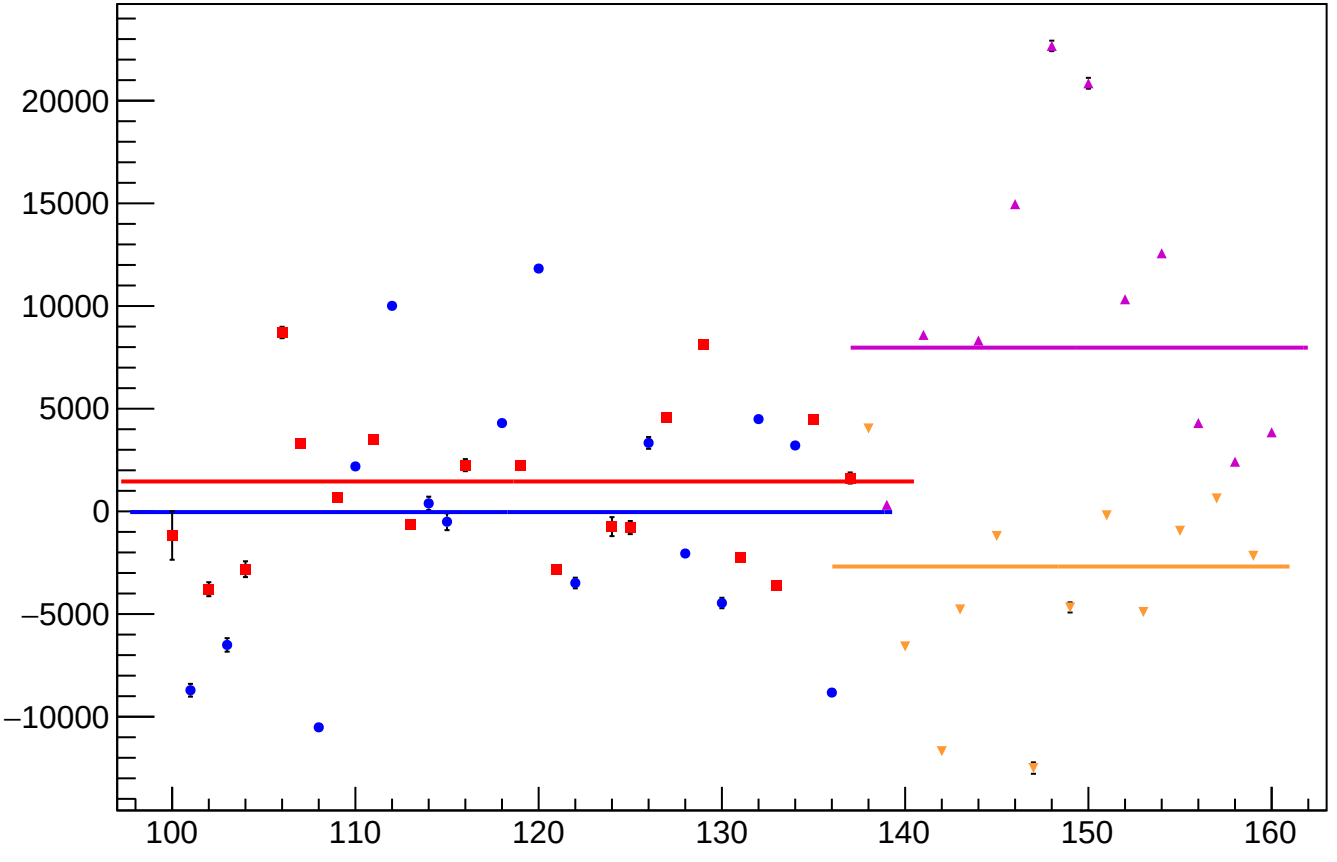
Left In: 106.808+/-0.025 χ^2/NDF:47727.7/10

+ sign 101.842+/-0.018 χ^2/NDF: 912458.2/27

All: 102.167+/-0.013 χ^2/NDF: 1952733.6/57

- 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: -2686.050+/-50.361 χ^2/NDF:6462.8/11

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

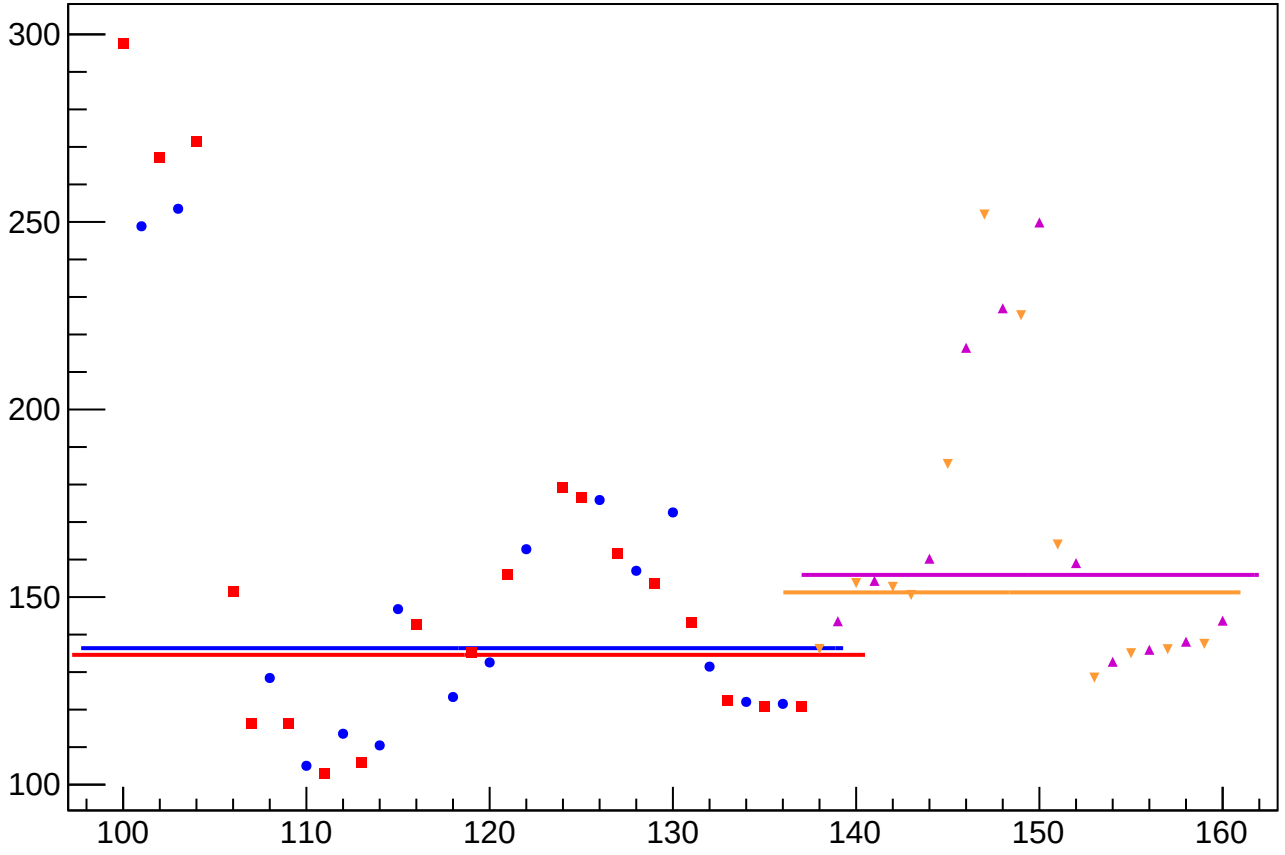
Left In: 7973.169+/-52.059 χ^2/NDF:12840.8/10

+ sign -1439.550+/-36.659 χ^2/NDF: 24568.7/27

All: 1624.766+/-25.961 χ^2/NDF: 63395.2/57

- 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: 151.253+/-0.036 χ^2/NDF:636638.3/11

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

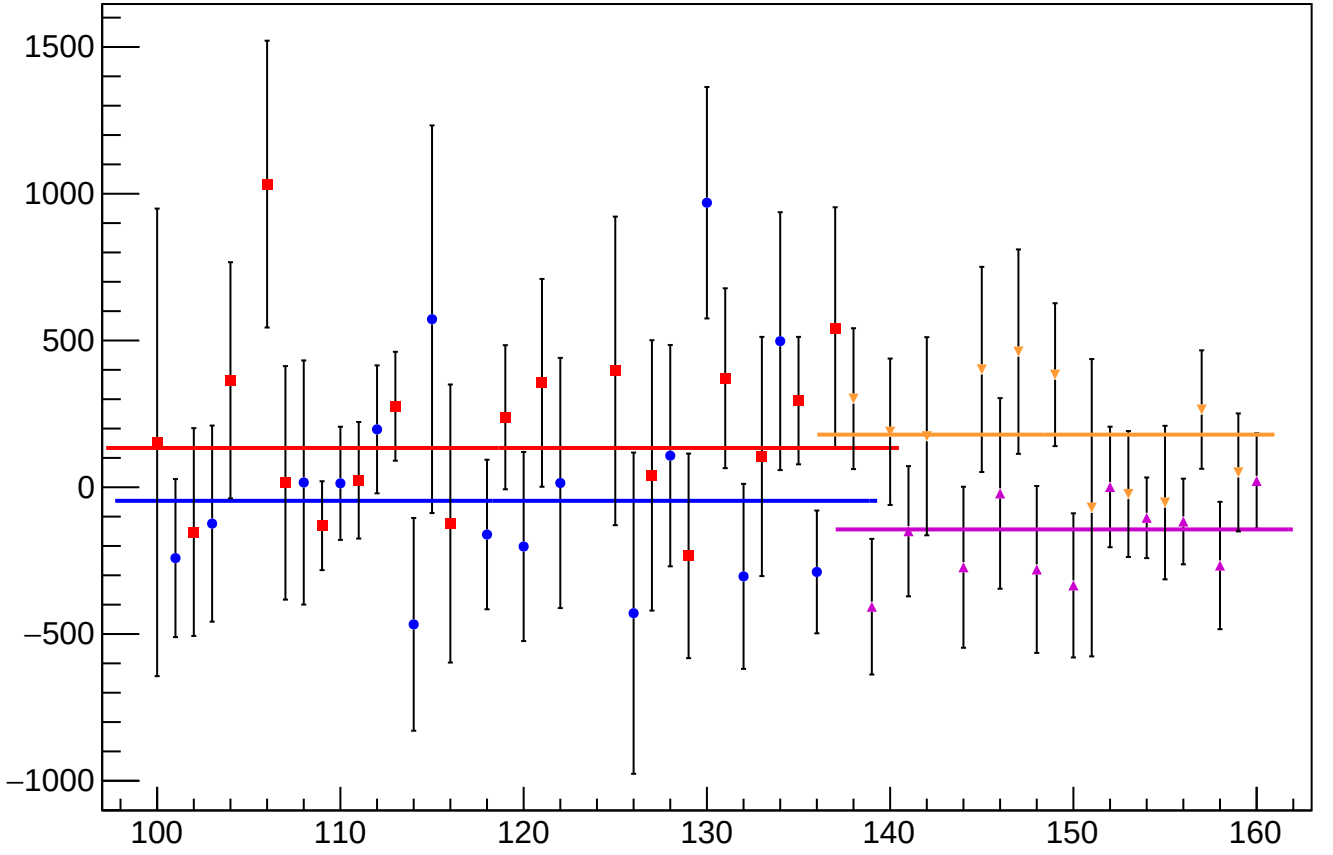
Left In: 155.912+/-0.037 χ^2/NDF:690867.1/10

+ sign 144.262+/-0.026 χ^2/NDF: 1515459.7/27

All: 144.746+/-0.018 χ^2/NDF: 3294609.3/57

- 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: 179.279+/-77.827 χ^2/NDF:4.5/10

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

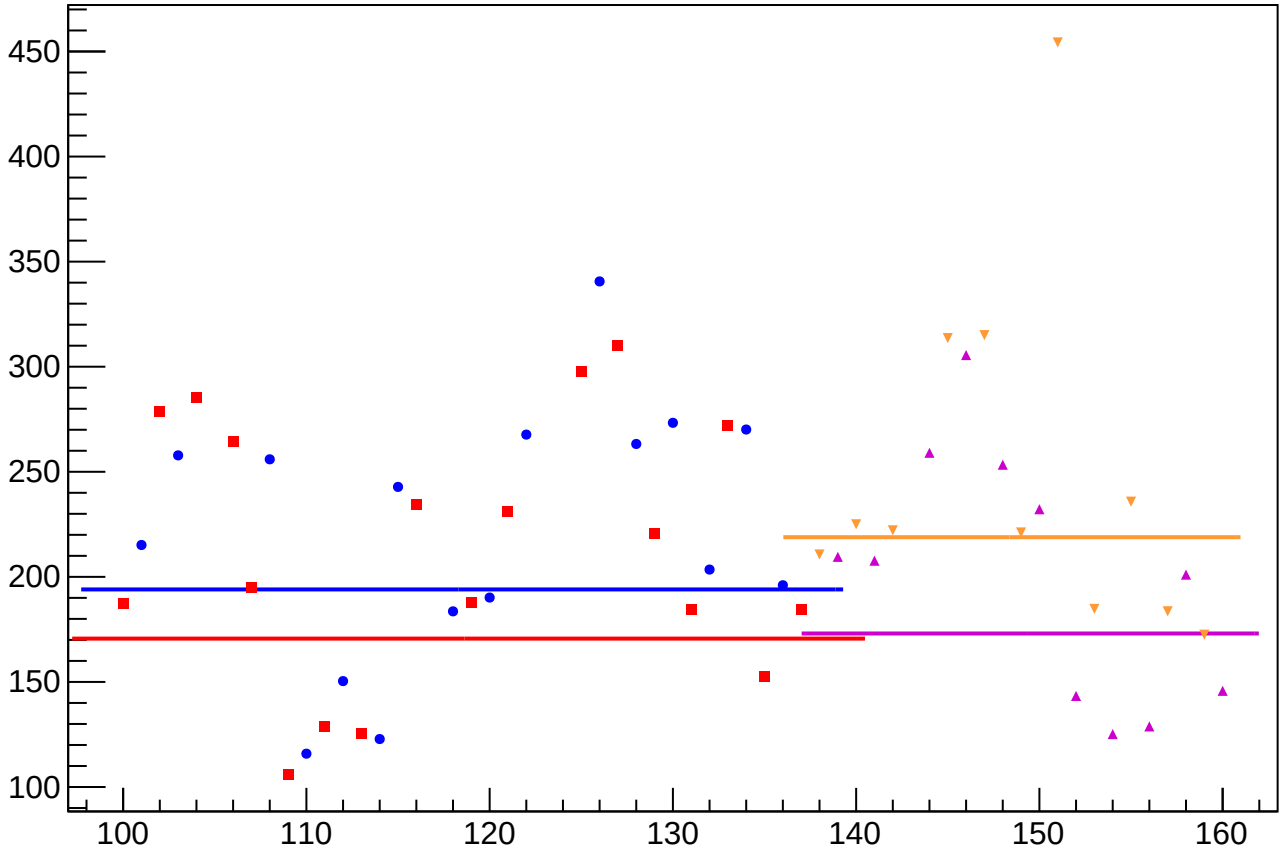
Left In: -143.662+/-60.451 χ^2/NDF:4.5/10

+ sign 64.281+/-54.478 χ^2/NDF: 24.3/26

All: 13.293+/-34.831 χ^2/NDF: 52.3/55

- 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: 218.873+/-0.055 χ^2/NDF:962117.3/10

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

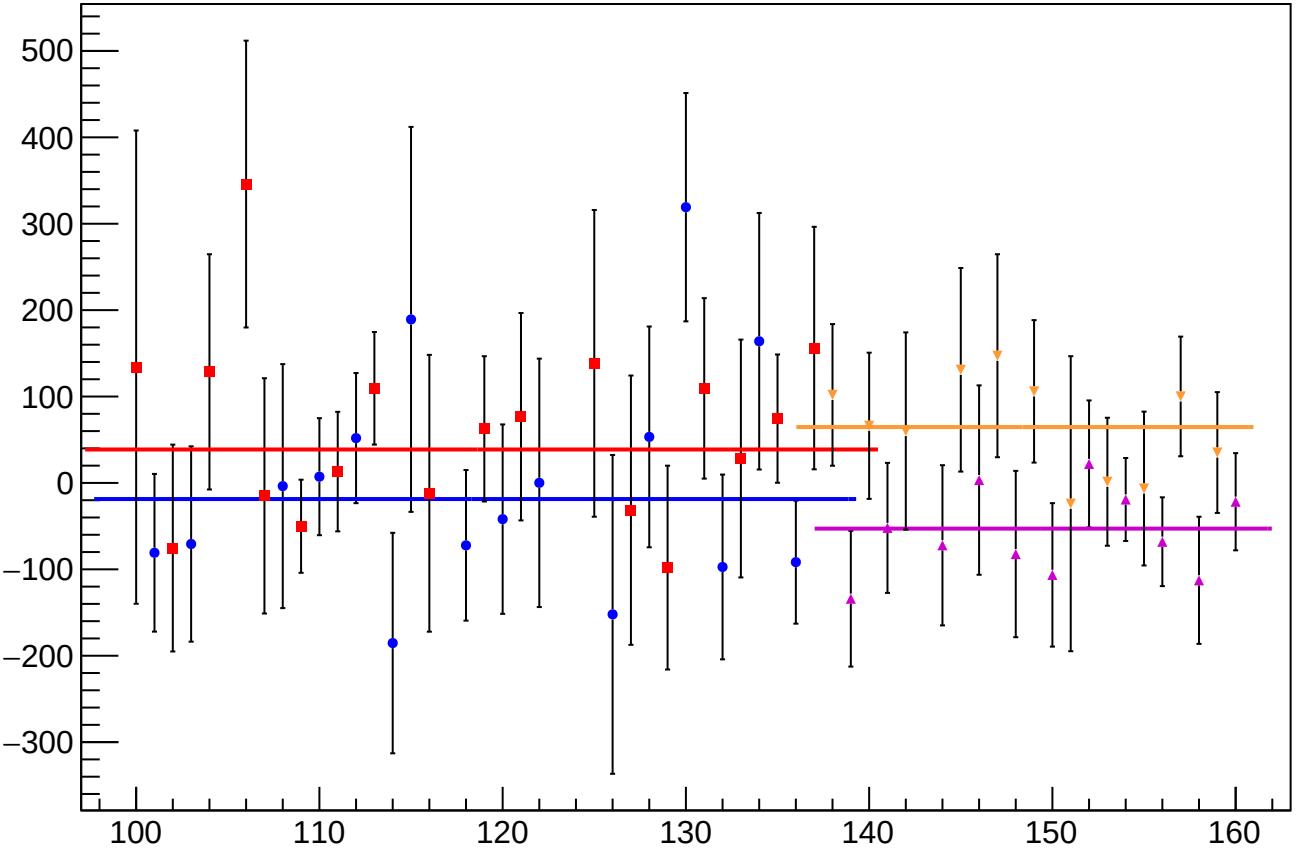
Left In: 173.057+/-0.043 χ^2/NDF:1461711.1/10

+ sign 206.196+/-0.039 χ^2/NDF: 2109747.5/26

All: 185.973+/-0.025 χ^2/NDF: 5632761.3/55

- 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: 64.693+/-26.603 χ^2/NDF:3.3/10

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

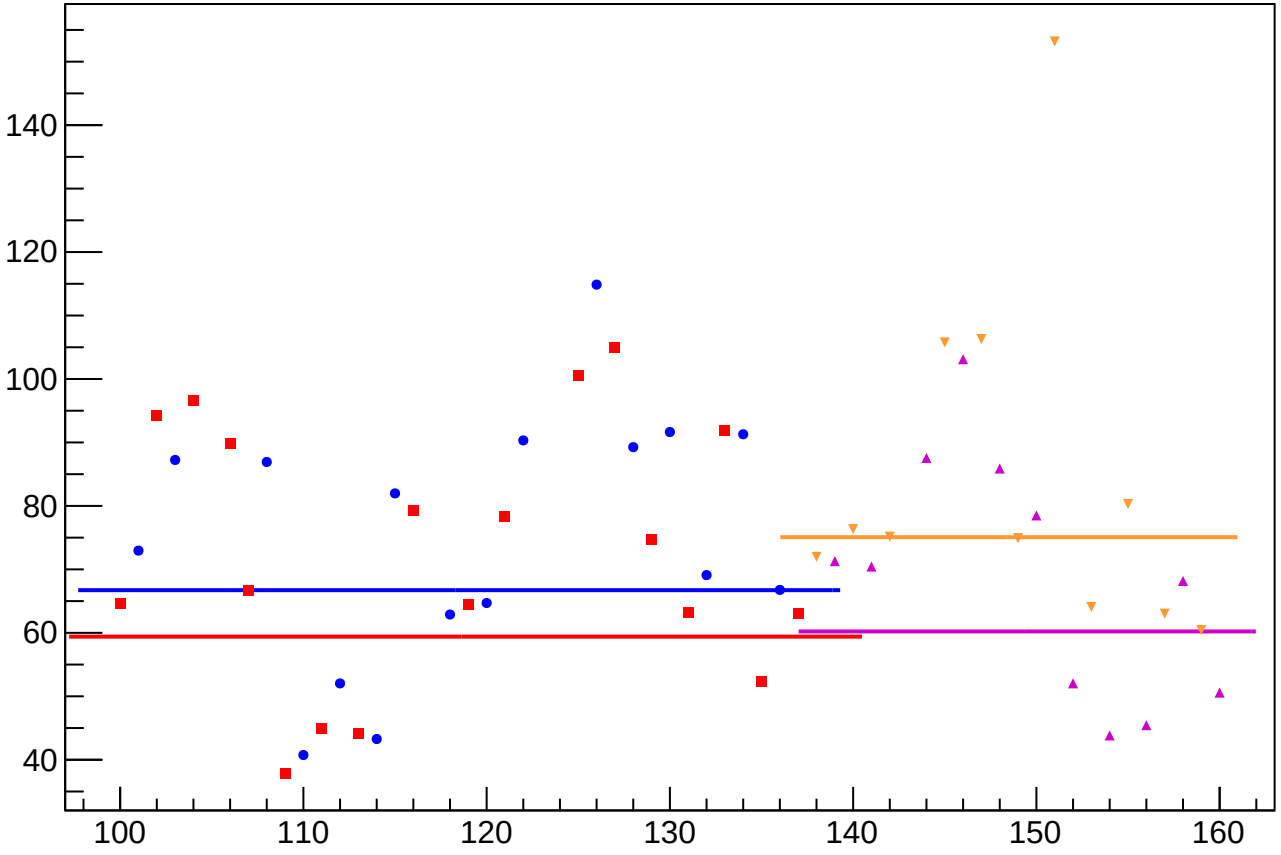
Left In: -52.866+/-20.901 χ^2/NDF:4.5/10

\+ sign 22.264+/-18.639 χ^2/NDF: 23.6/26

All: 1.765+/-11.991 χ^2/NDF: 51.1/55

\- 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: 75.072+/-0.019 χ^2/NDF:897935.2/10

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

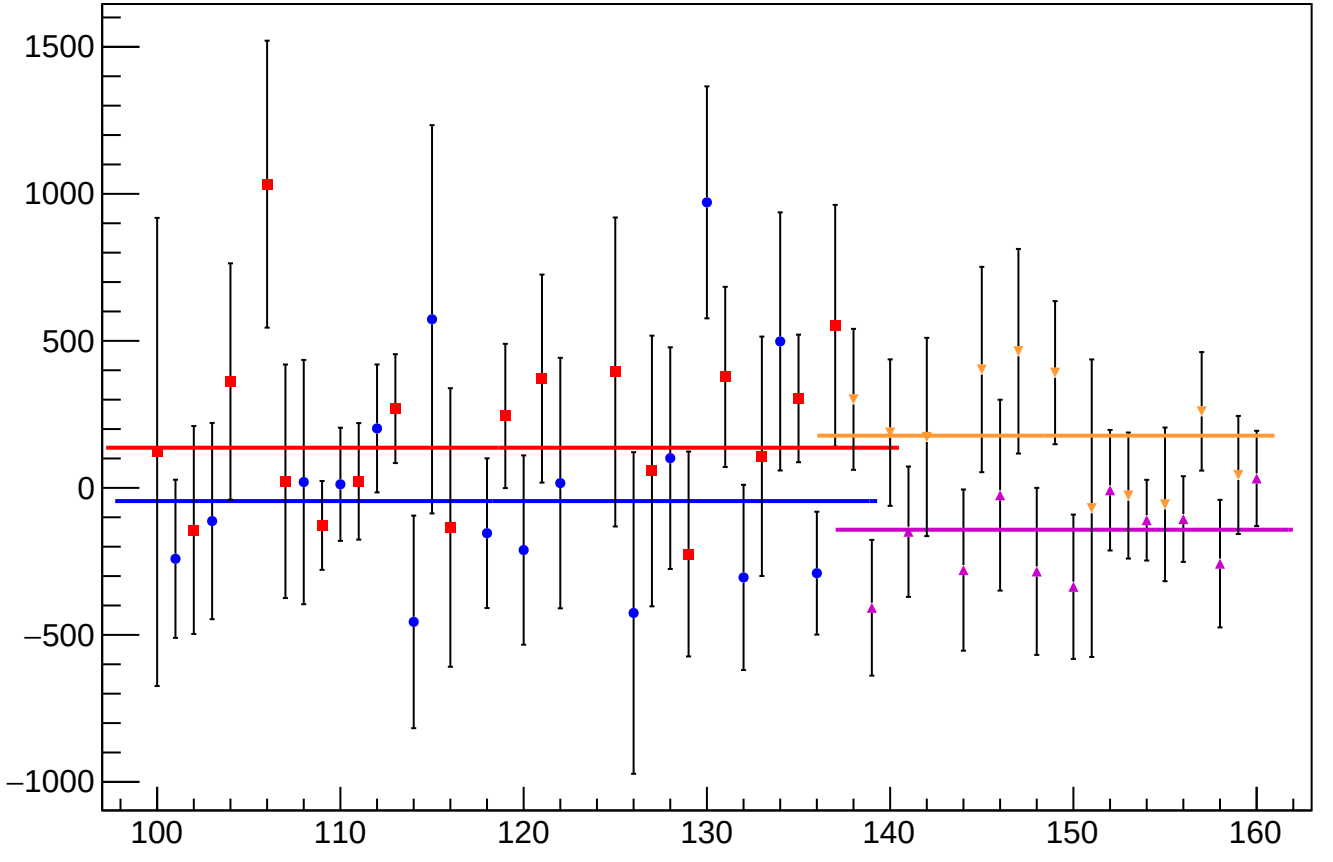
Left In: 60.218+/-0.015 χ^2/NDF:1300510.2/10

+ sign 70.822+/-0.013 χ^2/NDF: 1945234.2/26

All: 64.396+/-0.008 χ^2/NDF: 5097977.1/55

- 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: 177.627+/-77.758 χ^2/NDF:4.7/10

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

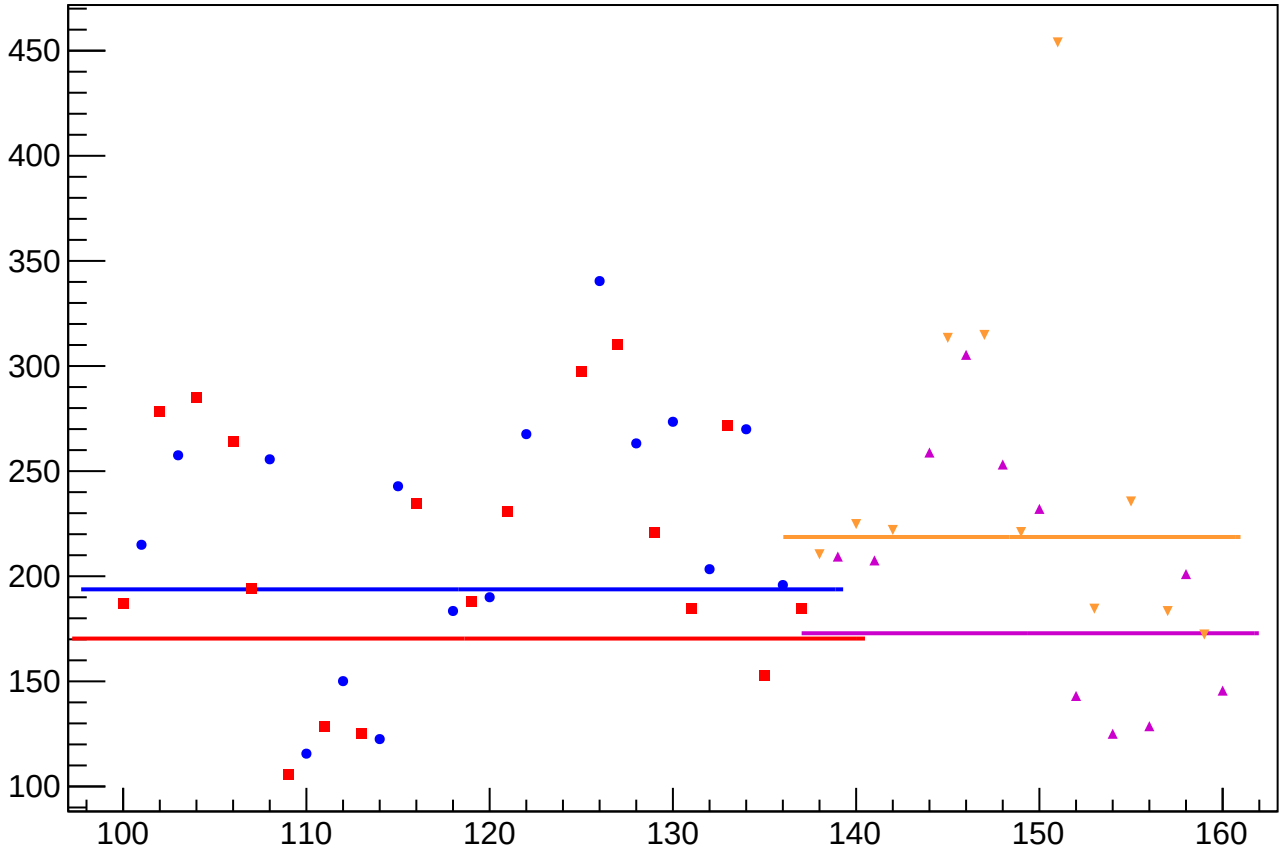
Left In: -142.322+/-60.395 χ^2/NDF:4.6/10

+ sign 64.100+/-54.423 χ^2/NDF: 24.3/26

All: 14.384+/-34.794 χ^2/NDF: 52.5/55

- 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: 218.671+/-0.055 χ^2/NDF:962783.0/10

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

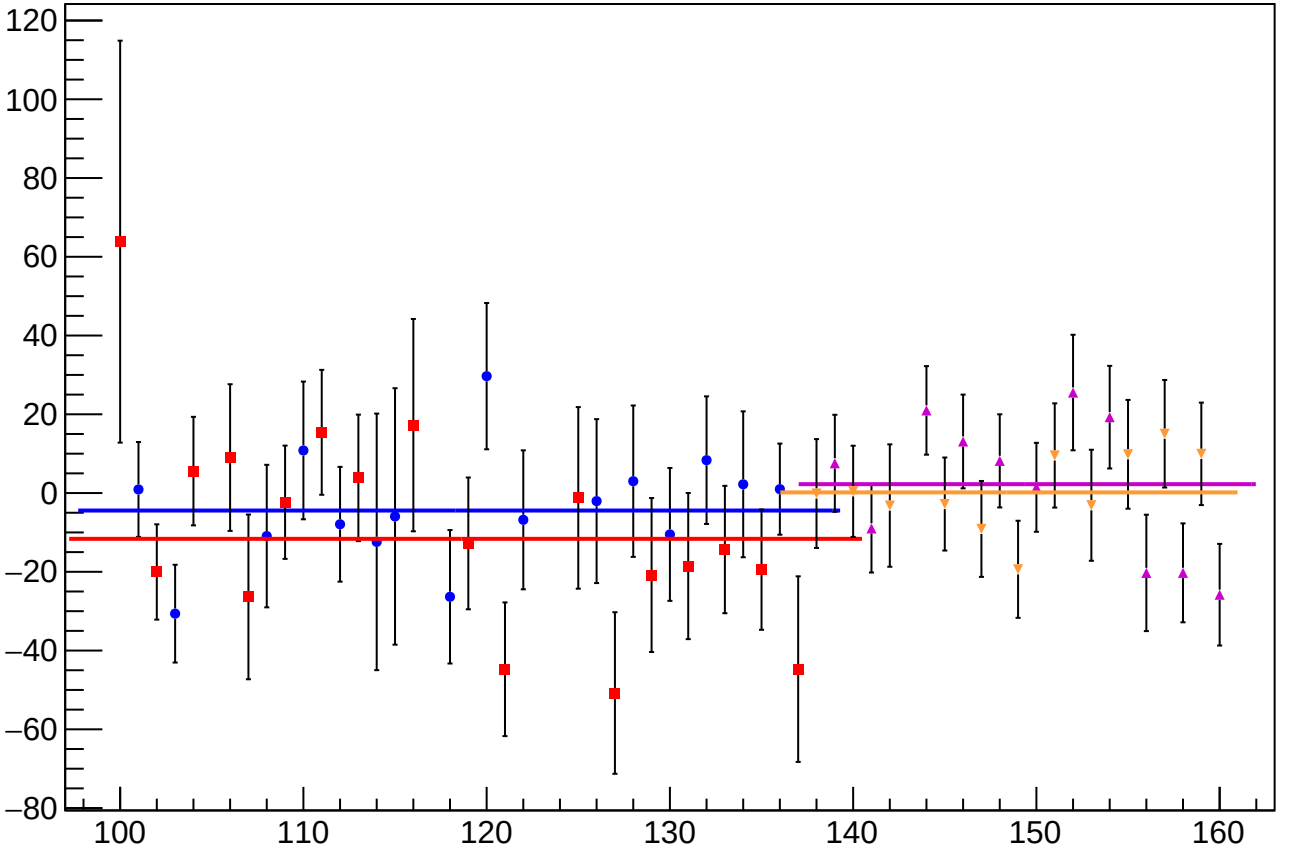
Left In: 172.884+/-0.043 χ^2/NDF:1463649.1/10

+ sign 205.967+/-0.038 χ^2/NDF: 2115527.9/26

All: 185.751+/-0.025 χ^2/NDF: 5646469.5/55

- 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: 0.167+/-3.935 χ^2/NDF:6.0/10

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

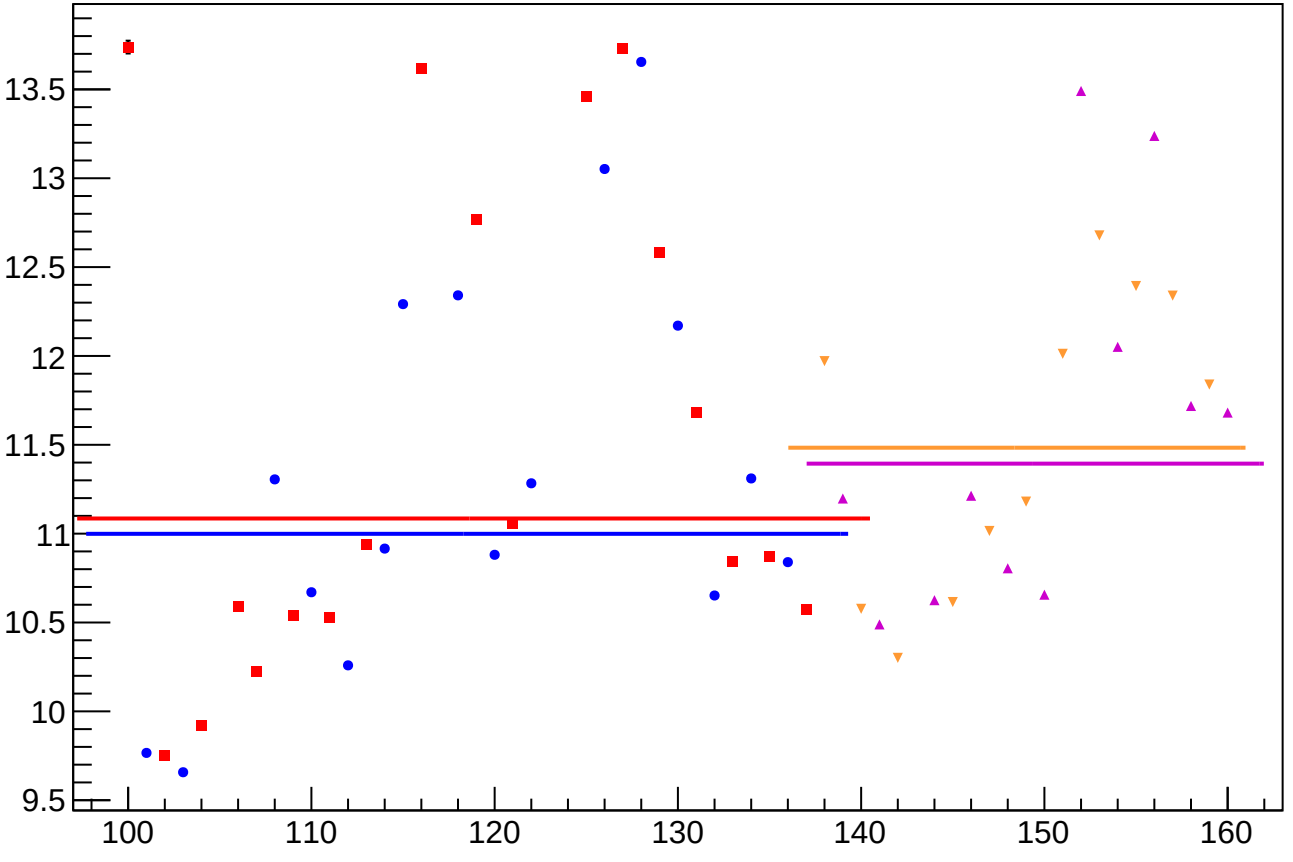
Left In: 2.256+/-3.727 χ^2/NDF:19.5/10

\+ sign -2.025+/-2.849 χ^2/NDF: 18.6/26

All: -3.022+/-1.986 χ^2/NDF: 66.3/55

\- sign -3.964+/-2.769 χ^2/NDF: 47.4/28

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.484+/-0.003 χ^2/NDF:76901.1/10

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

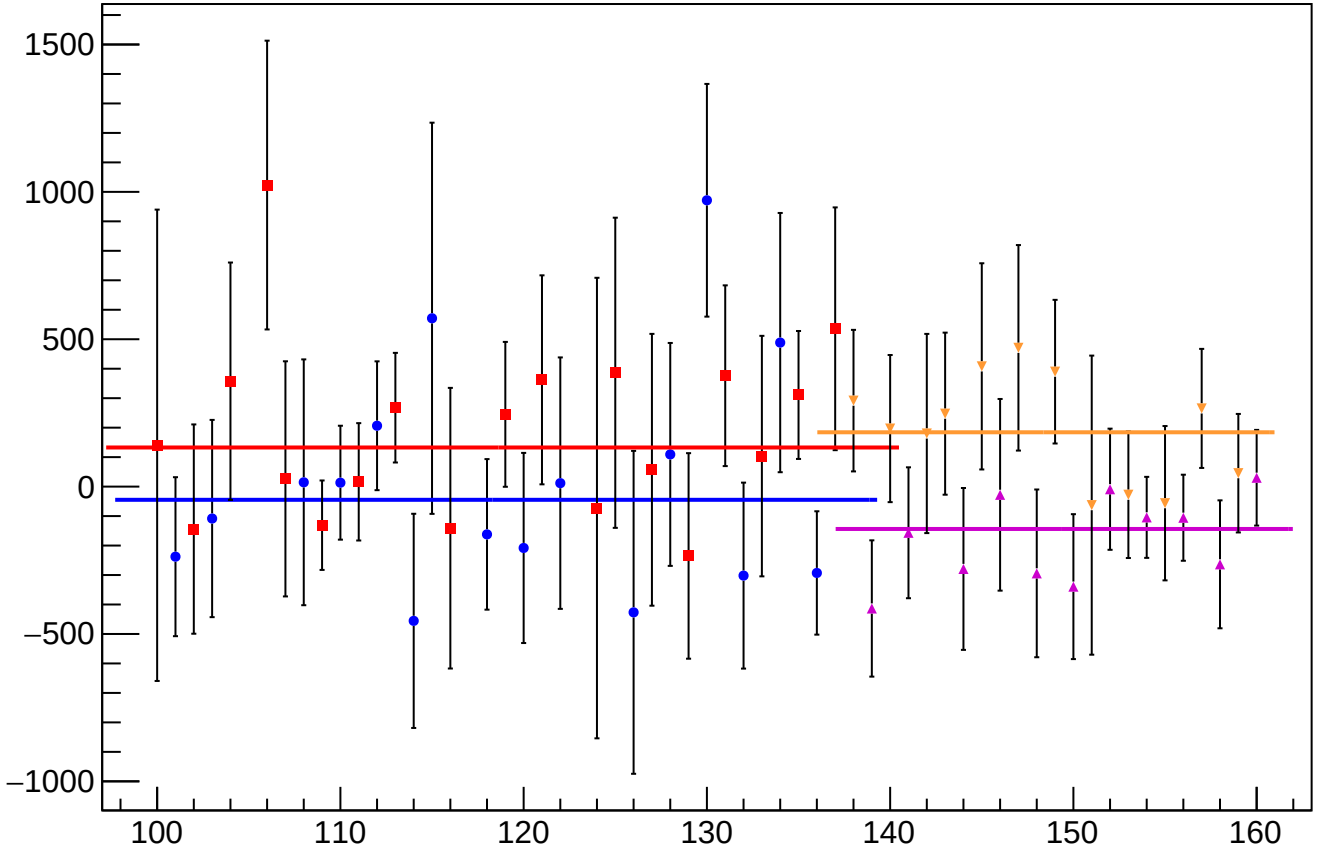
Left In: 11.394+/-0.003 χ^2/NDF:116307.6/10

+ sign 11.253+/-0.002 χ^2/NDF: 227491.6/26

All: 11.254+/-0.001 χ^2/NDF: 512151.0/55

- 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: 184.307+/-74.947 χ^2/NDF:4.7/11

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

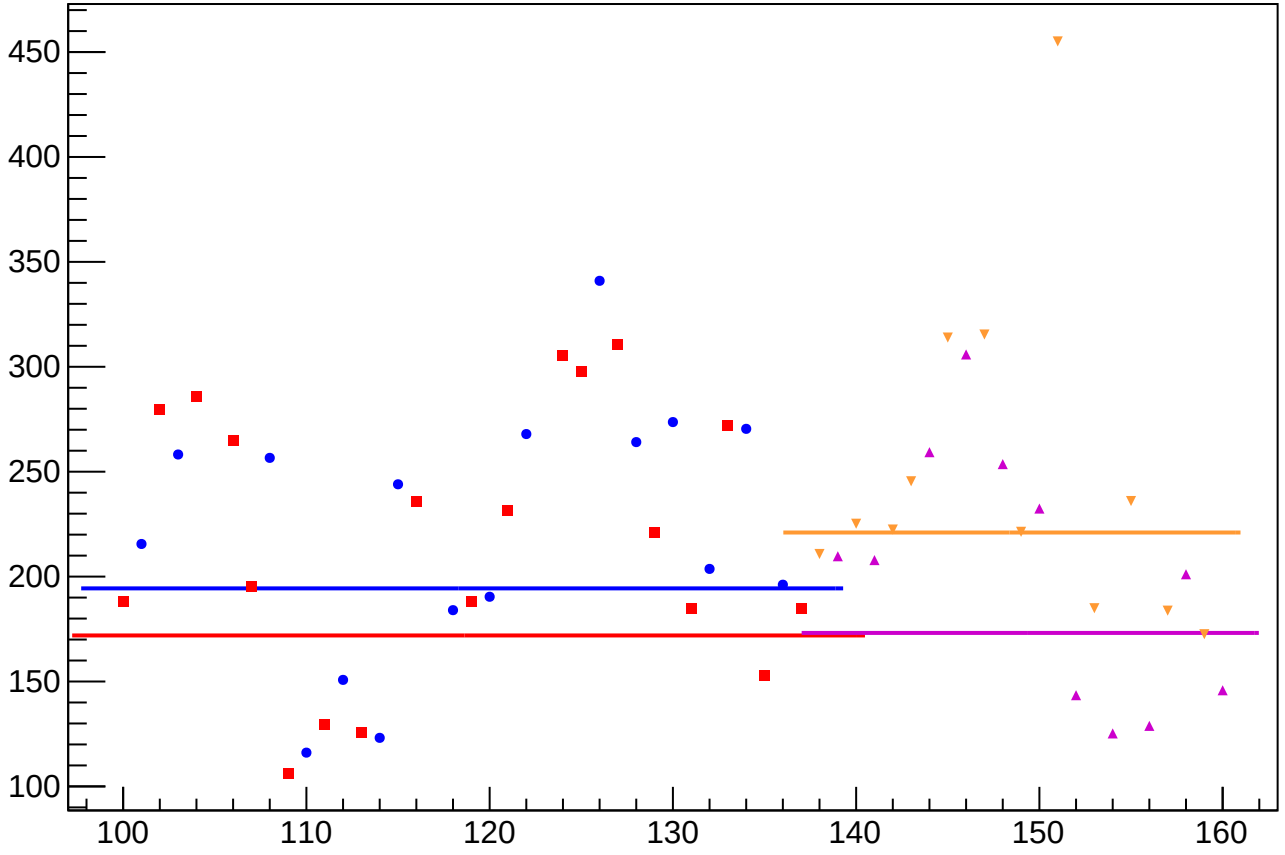
Left In: -143.717+/-60.490 χ^2/NDF:4.7/10

+ sign 71.989+/-53.510 χ^2/NDF: 24.8/27

All: 17.134+/-34.563 χ^2/NDF: 53.3/57

- 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: 221.014+/-0.053 χ^2/NDF:980544.1/11

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

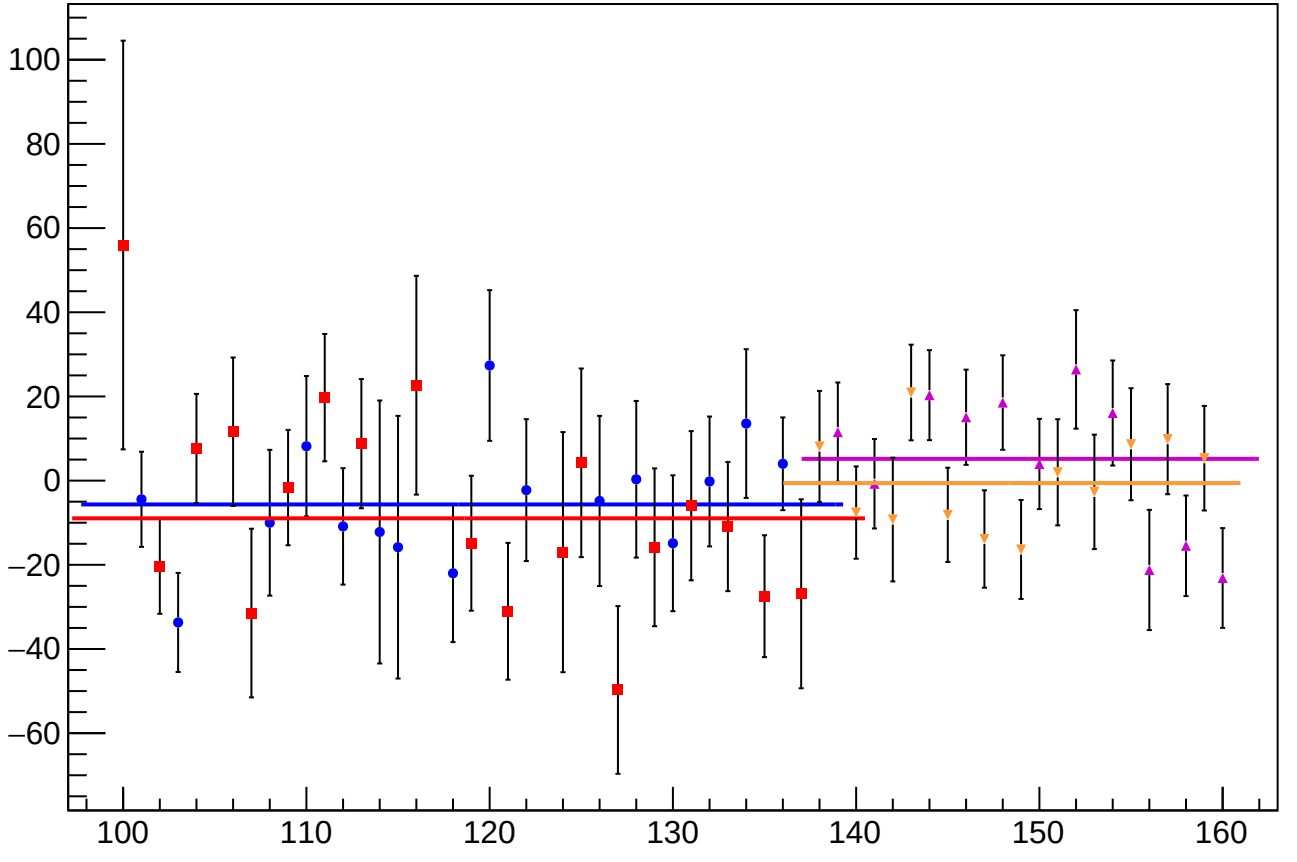
Left In: 173.154+/-0.043 χ^2/NDF:1463686.9/10

+ sign 207.959+/-0.038 χ^2/NDF: 2146344.4/27

All: 187.366+/-0.024 χ^2/NDF: 5769987.6/57

- 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: -0.573+/-3.563 χ^2/NDF:9.8/11

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

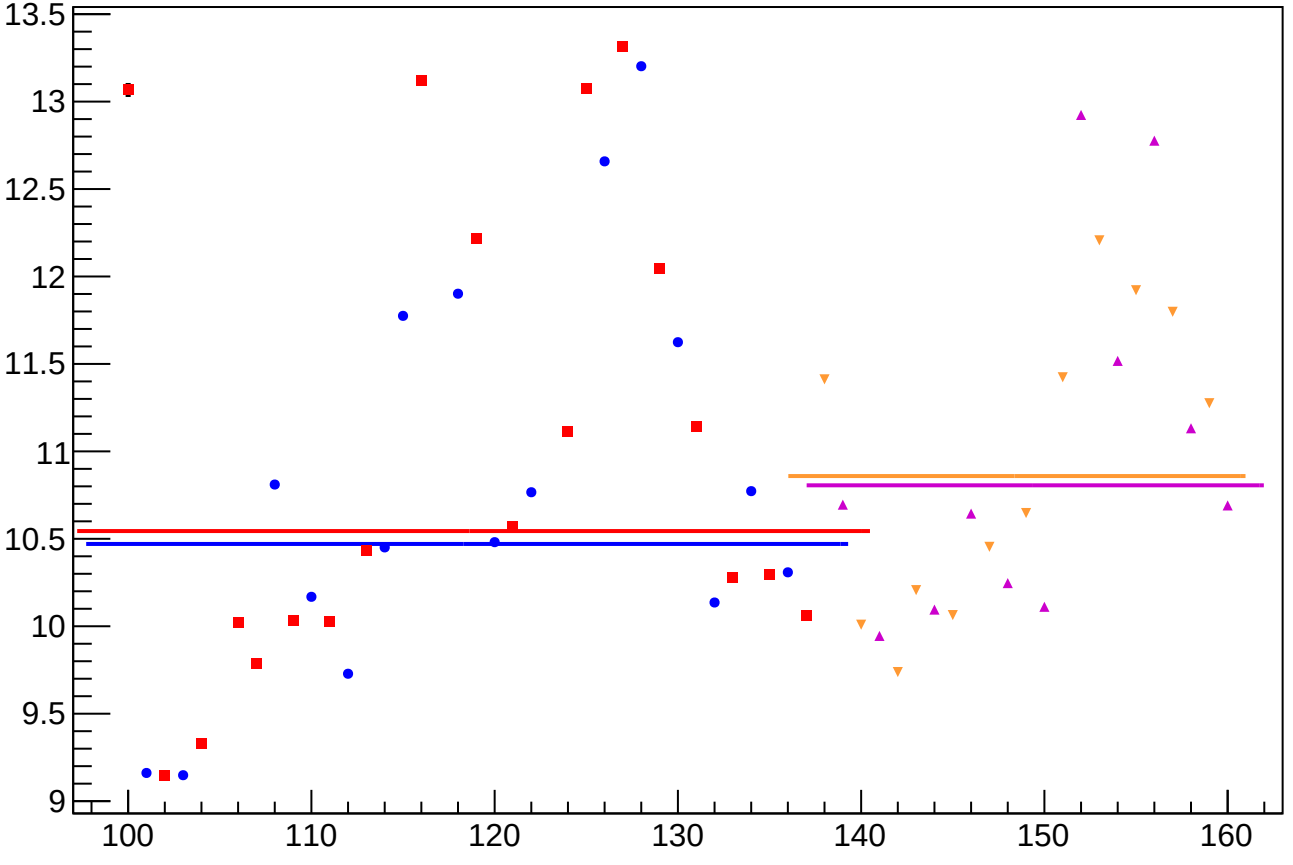
Left In: 5.174+/-3.541 χ^2/NDF:20.0/10

+ sign -2.861+/-2.643 χ^2/NDF: 24.4/27

All: -2.030+/-1.861 χ^2/NDF: 74.5/57

- 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: 10.859+/-0.003 χ^2/NDF:95869.0/11

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

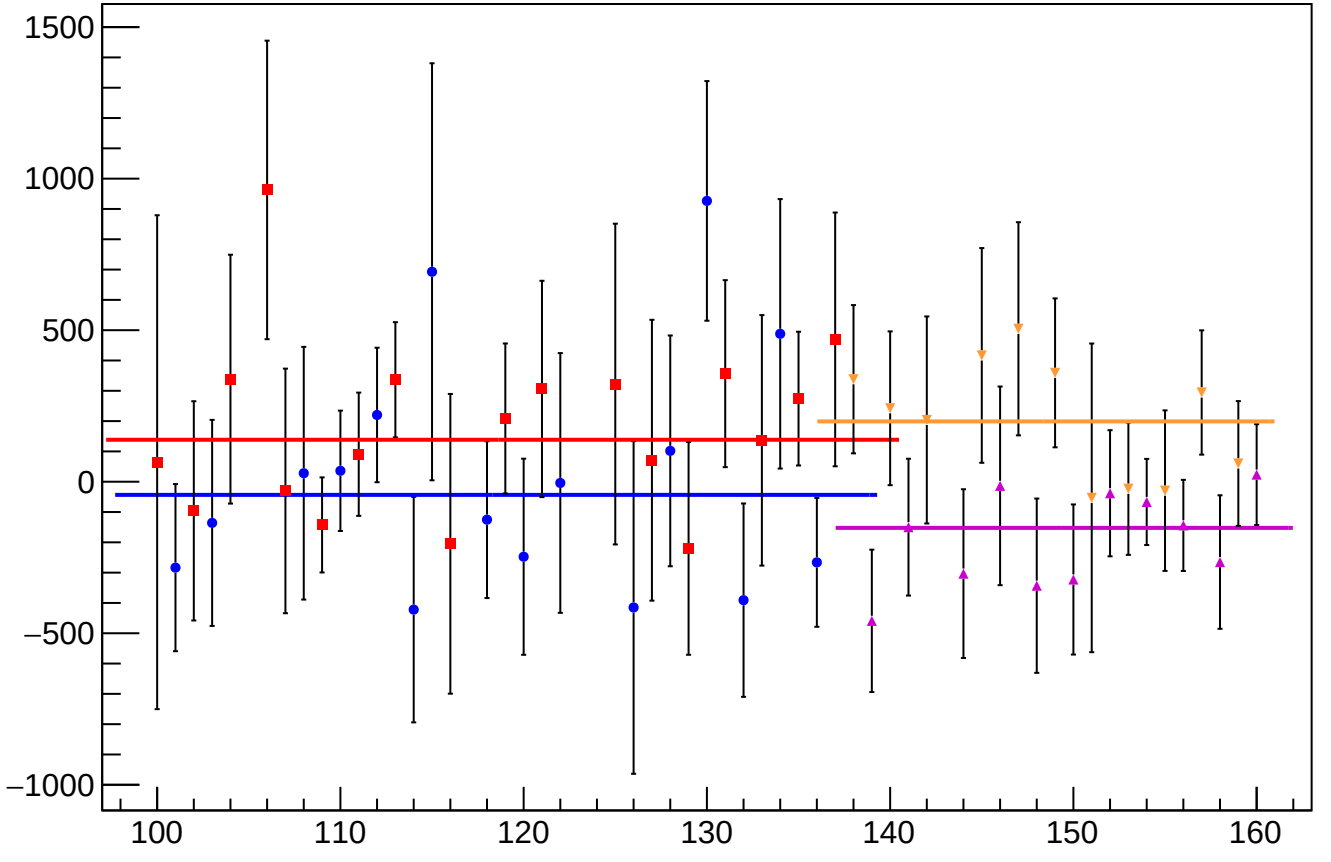
Left In: 10.806+/-0.003 χ^2/NDF:127415.1/10

+ sign 10.684+/-0.002 χ^2/NDF: 263920.6/27

All: 10.686+/-0.001 χ^2/NDF: 583046.4/57

- 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: 198.979+/-79.069 χ^2/NDF:4.6/10

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

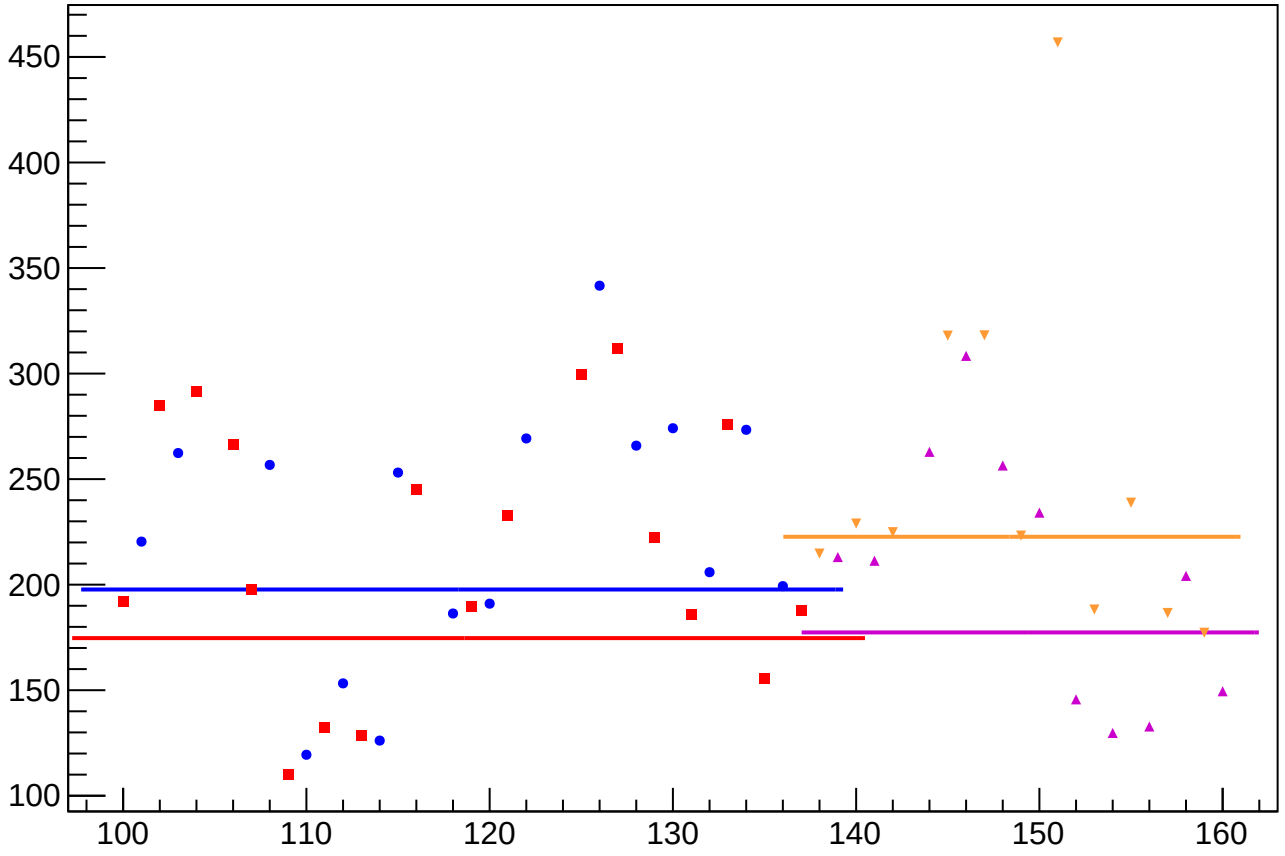
Left In: -152.262+/-61.779 χ^2/NDF:5.1/10

+ sign 75.500+/-55.378 χ^2/NDF: 24.9/26

All: 16.536+/-35.508 χ^2/NDF: 53.1/55

- 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: 222.687+/-0.056 χ^2/NDF:935394.9/10

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

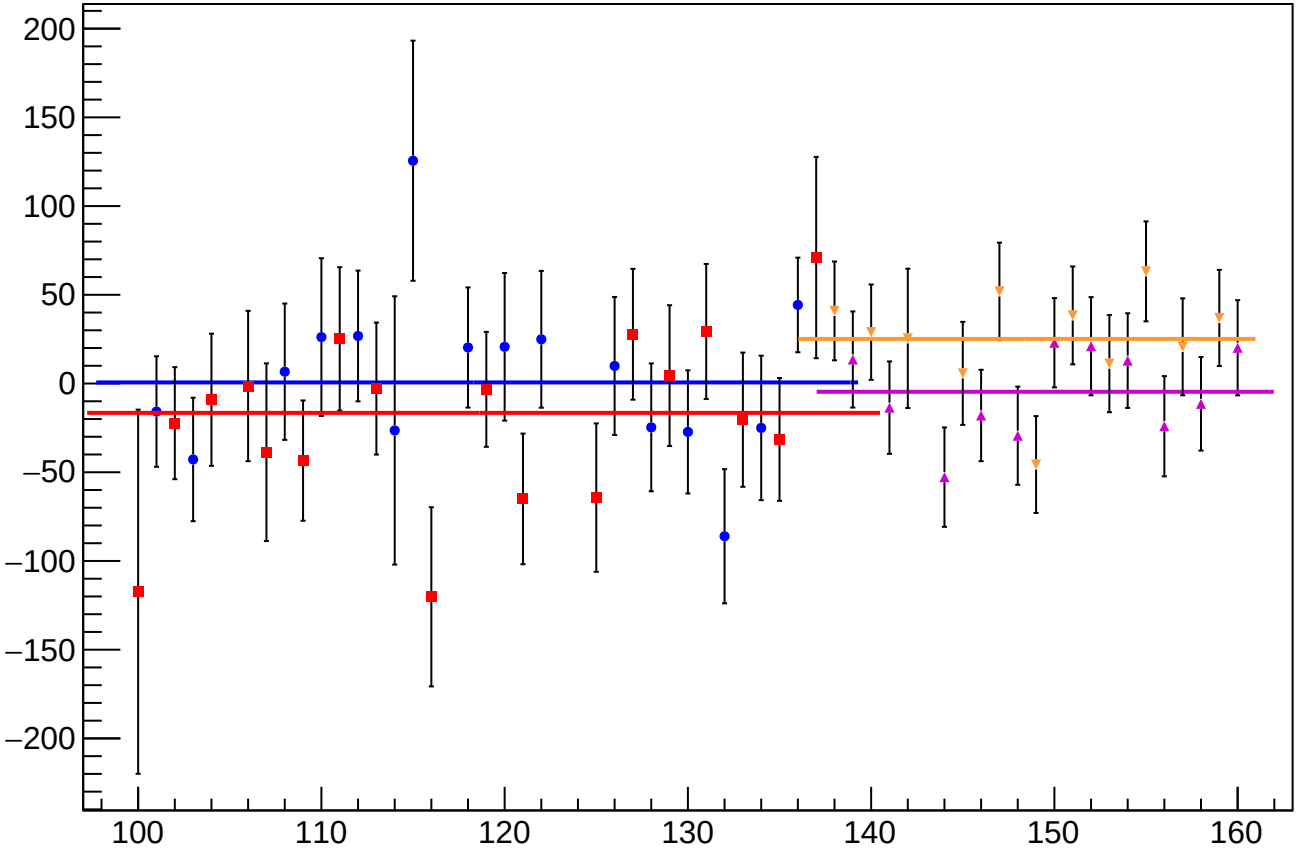
Left In: 177.368+/-0.044 χ^2/NDF:1388820.8/10

+ sign 209.960+/-0.039 χ^2/NDF: 2037421.7/26

All: 190.072+/-0.025 χ^2/NDF: 5400708.6/55

- 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: 25.149+/-8.516 χ^2/NDF:11.0/10

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

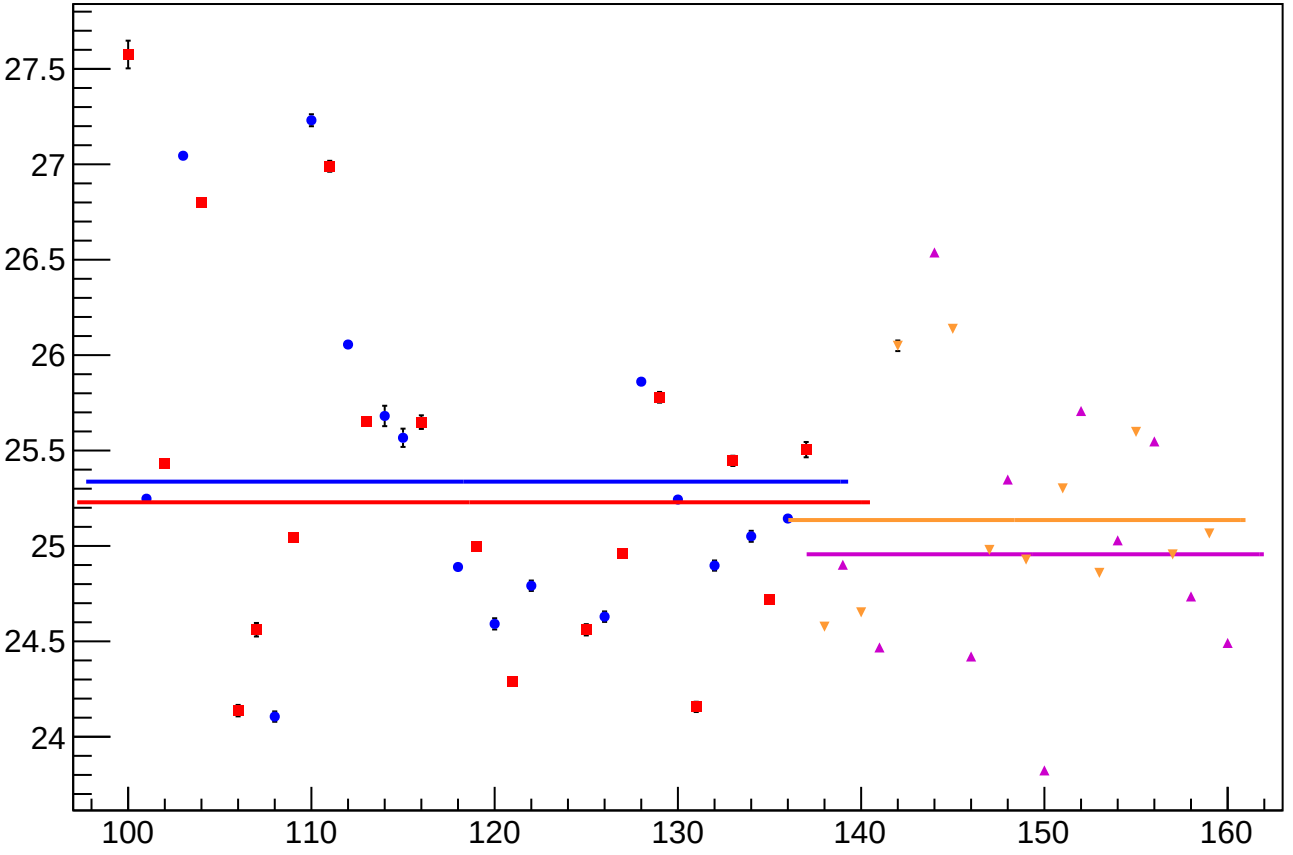
Left In: -4.651+/-8.084 χ^2/NDF:8.5/10

+ sign 14.119+/-6.318 χ^2/NDF: 31.5/26

All: 1.767+/-4.389 χ^2/NDF: 64.6/55

- 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: 25.136+/-0.006 χ^2/NDF:6016.6/10

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

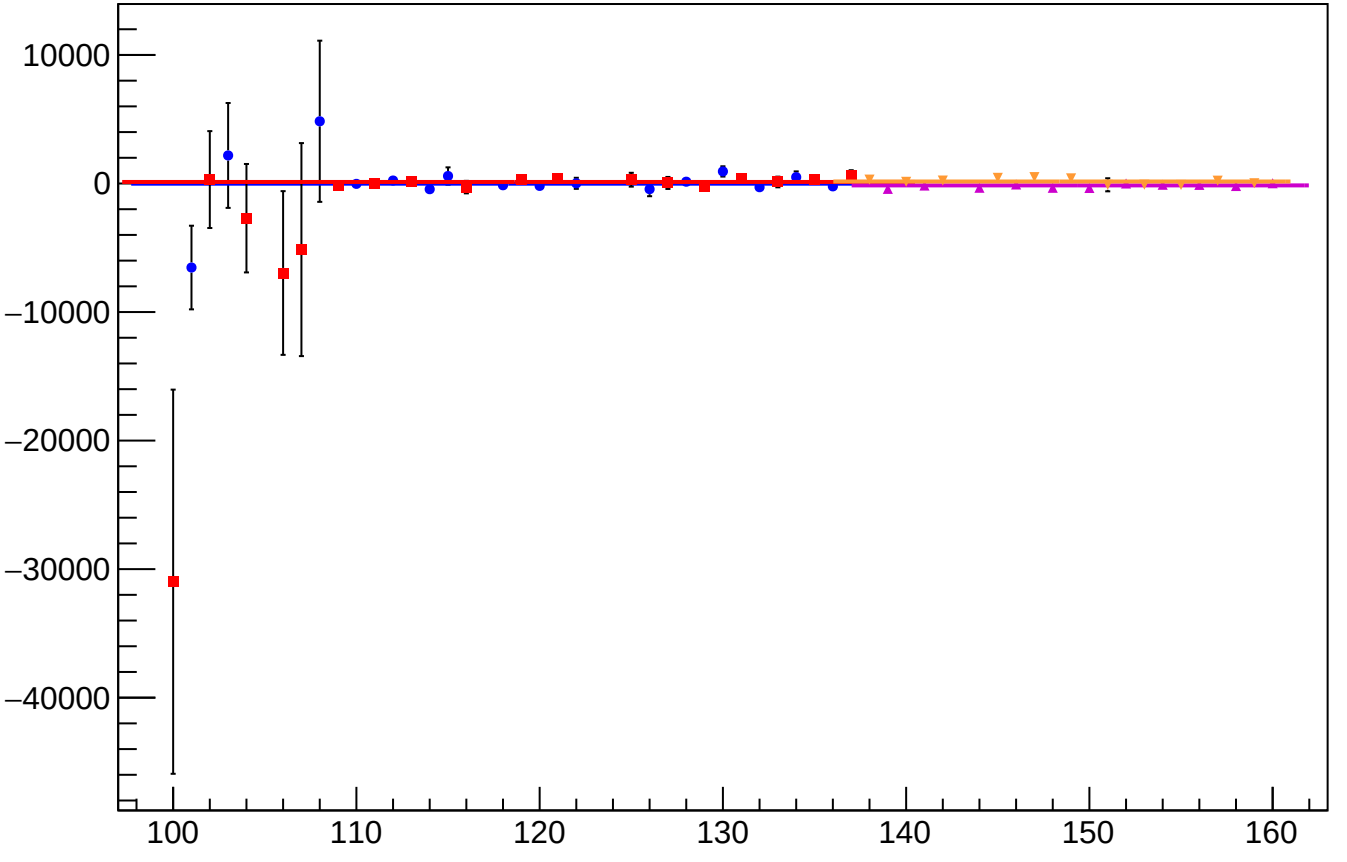
Left In: 24.956+/-0.006 χ^2/NDF:15515.7/10

+ sign 25.226+/-0.004 χ^2/NDF: 20834.3/26

All: 25.147+/-0.003 χ^2/NDF: 53107.9/55

- 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: 156.096+/-80.636 χ^2/NDF:5.8/10

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

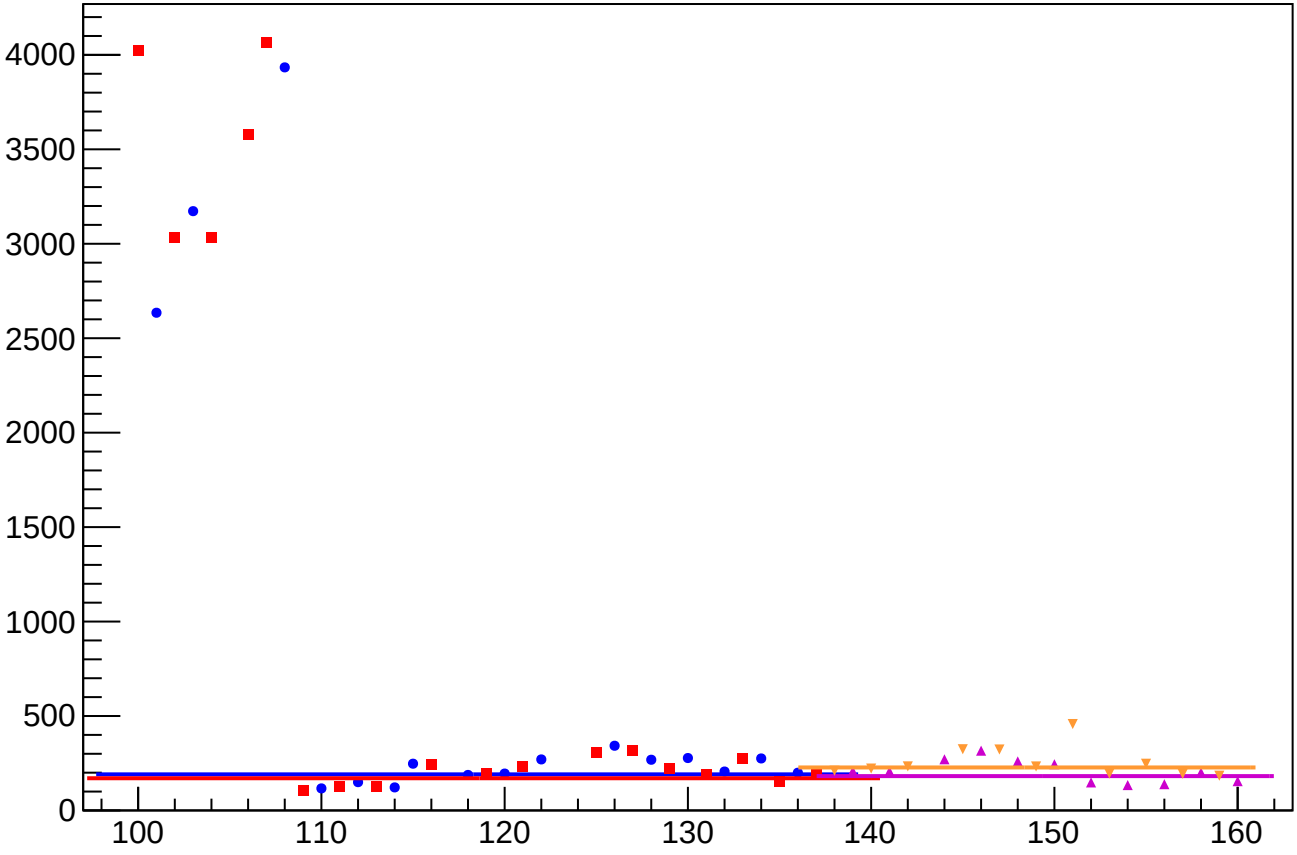
Left In: -146.976+/-63.126 χ^2/NDF:4.5/10

+ sign 75.380+/-58.321 χ^2/NDF: 26.2/26

All: 6.883+/-37.575 χ^2/NDF: 54.5/55

- 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: 227.635+/-0.057 χ^2/NDF:894364.4/10

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

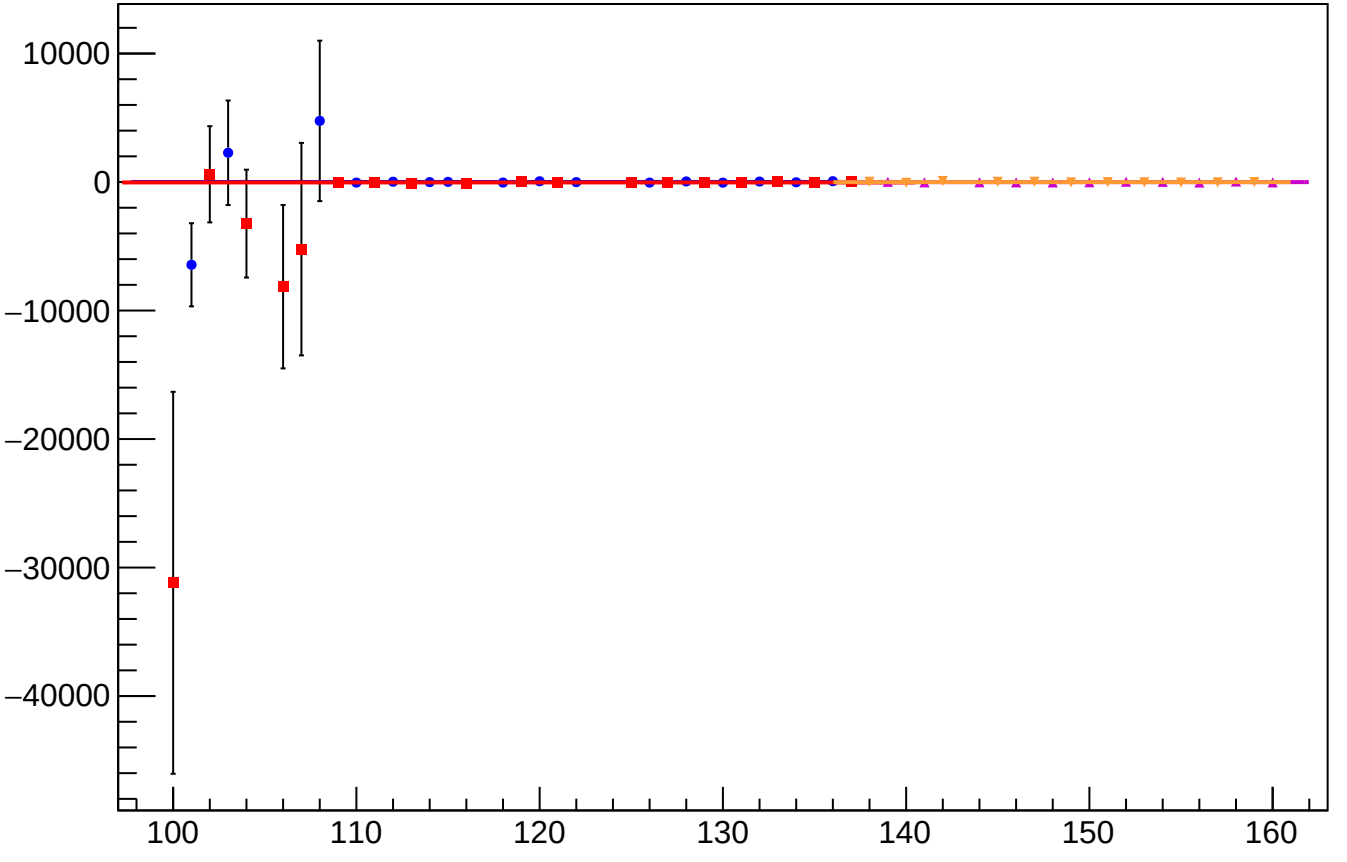
Left In: 181.830+/-0.045 χ^2/NDF:1295531.2/10

+ sign 210.197+/-0.041 χ^2/NDF: 4924430.5/26

All: 190.991+/-0.027 χ^2/NDF: 10871048.7/55

- 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: -7.161+/-10.048 χ^2/NDF:9.8/10

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

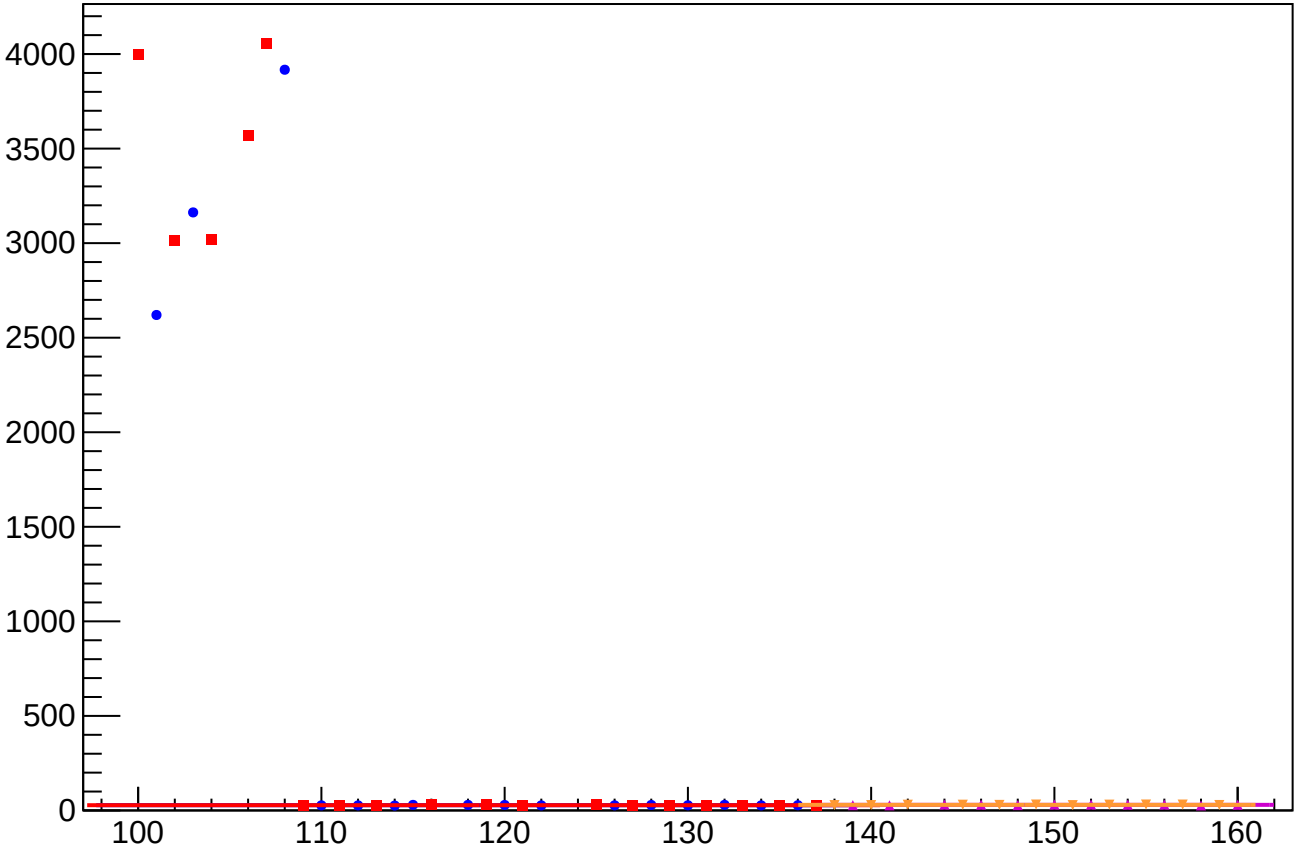
Left In: -5.387+/-9.626 χ^2/NDF:7.5/10

+ sign -1.403+/-7.640 χ^2/NDF: 28.8/26

All: -8.418+/-5.363 χ^2/NDF: 60.5/55

- 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: 29.606+/-0.007 χ^2/NDF:30005.4/10

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

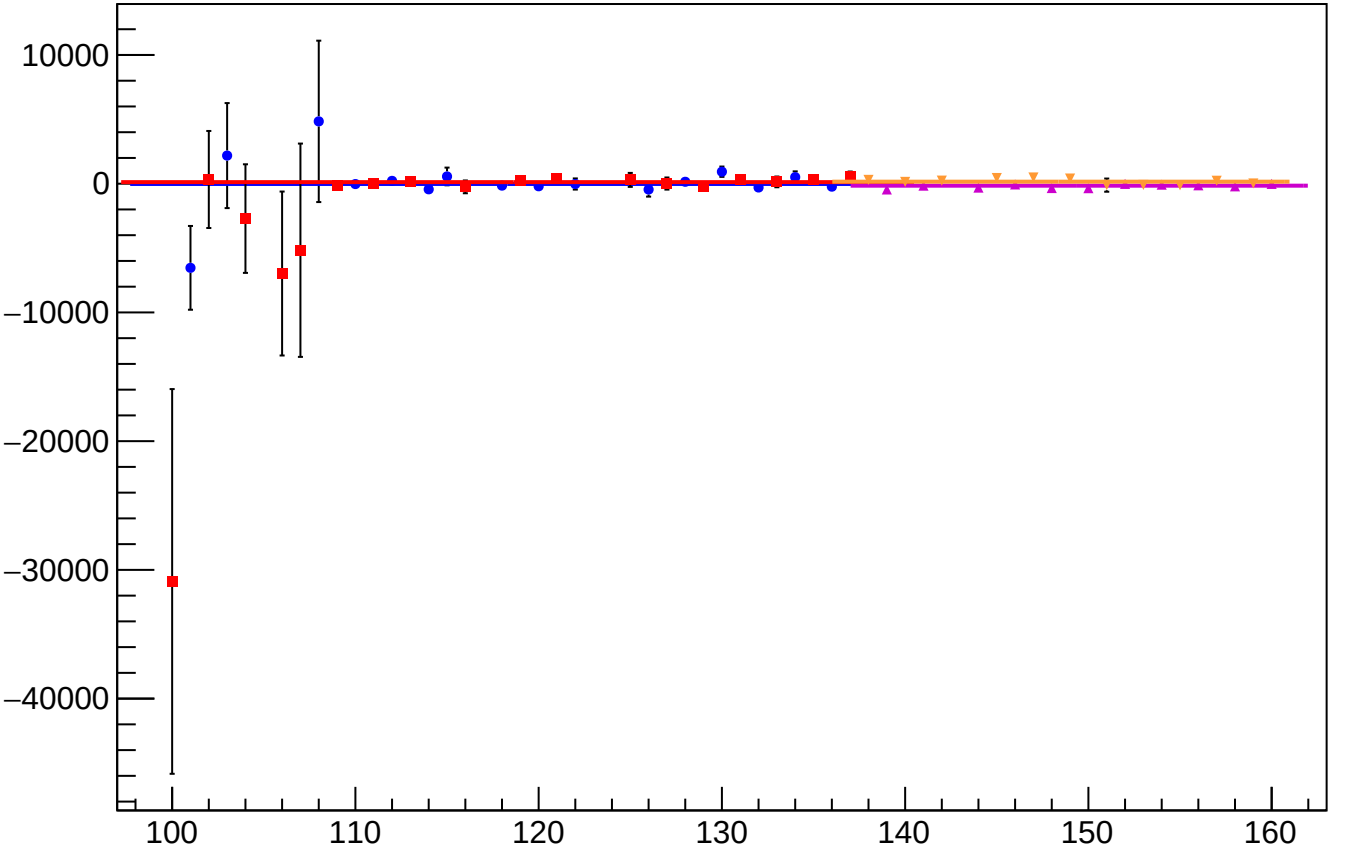
Left In: 29.639+/-0.007 χ^2/NDF:68751.9/10

+ sign 28.854+/-0.005 χ^2/NDF: 3322399.2/26

All: 28.886+/-0.004 χ^2/NDF: 6978632.2/55

- 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: 157.756+/-81.229 χ^2/NDF:5.8/10

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

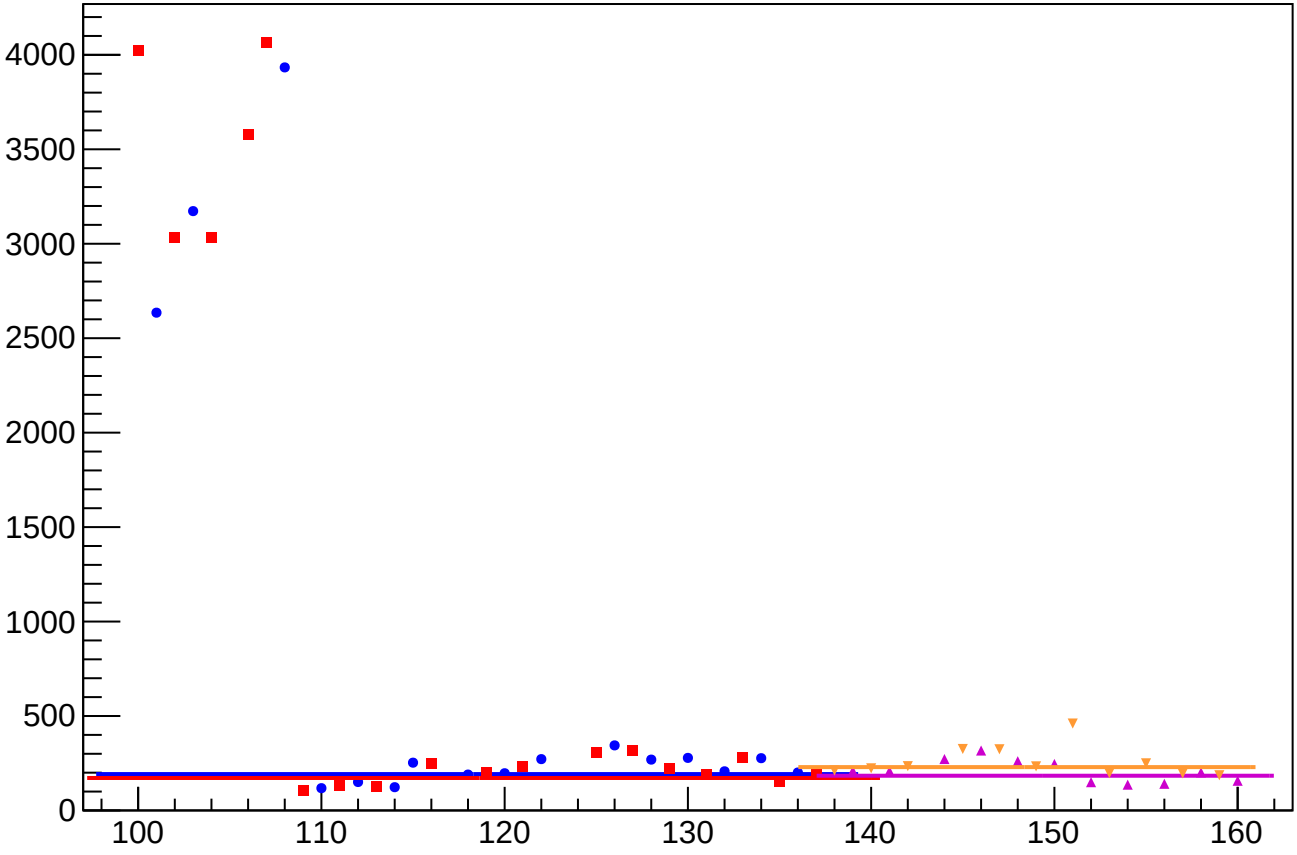
Left In: -153.905+/-63.741 χ^2/NDF:4.3/10

+ sign 73.202+/-58.746 χ^2/NDF: 26.2/26

All: 4.138+/-37.884 χ^2/NDF: 53.6/55

- 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: 229.450+/-0.057 χ^2/NDF:880628.4/10

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

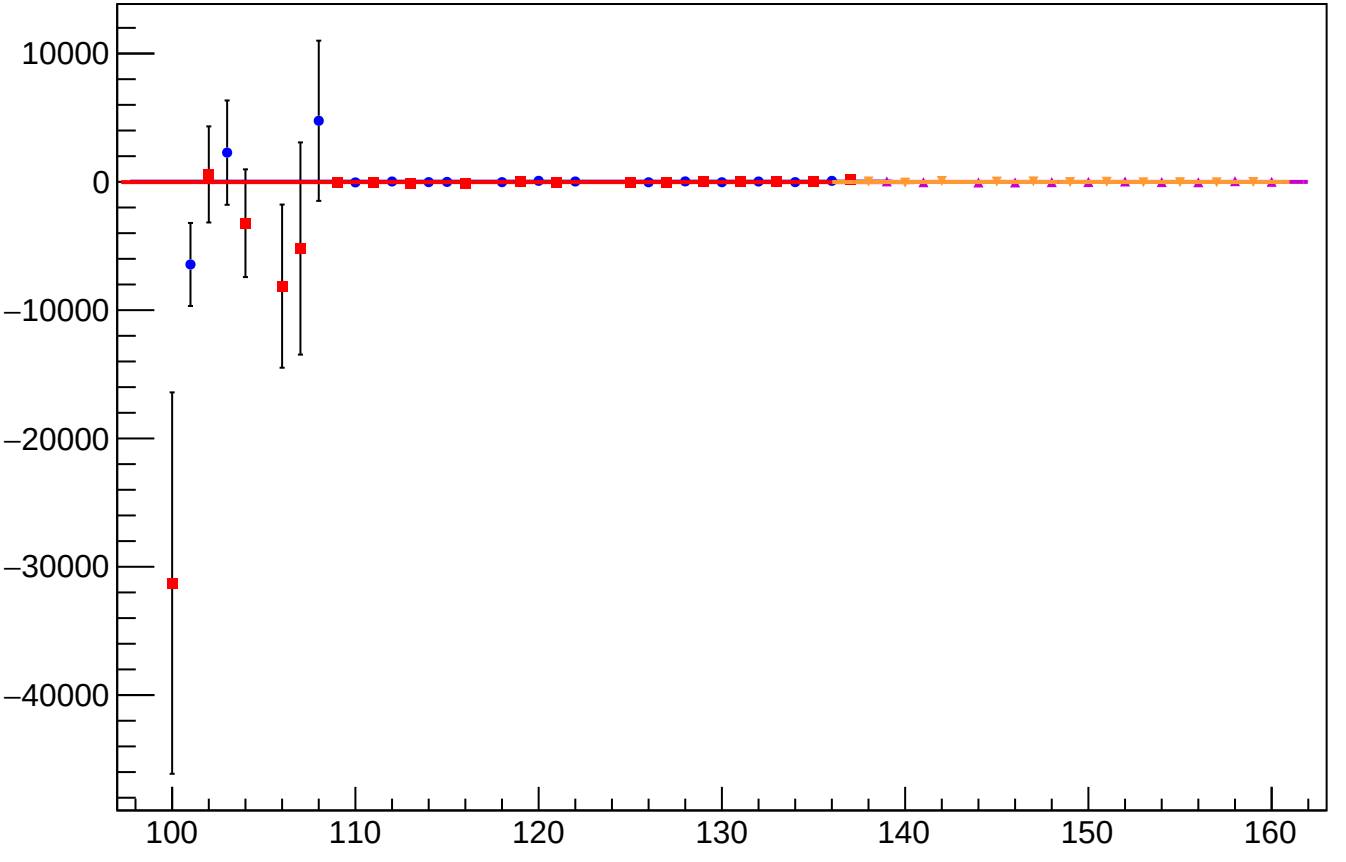
Left In: 183.841+/-0.045 χ^2/NDF:1257023.0/10

+ sign 211.855+/-0.042 χ^2/NDF: 4900164.7/26

All: 192.734+/-0.027 χ^2/NDF: 10795470.5/55

- 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: -12.288+/-10.741 χ^2/NDF:9.7/10

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

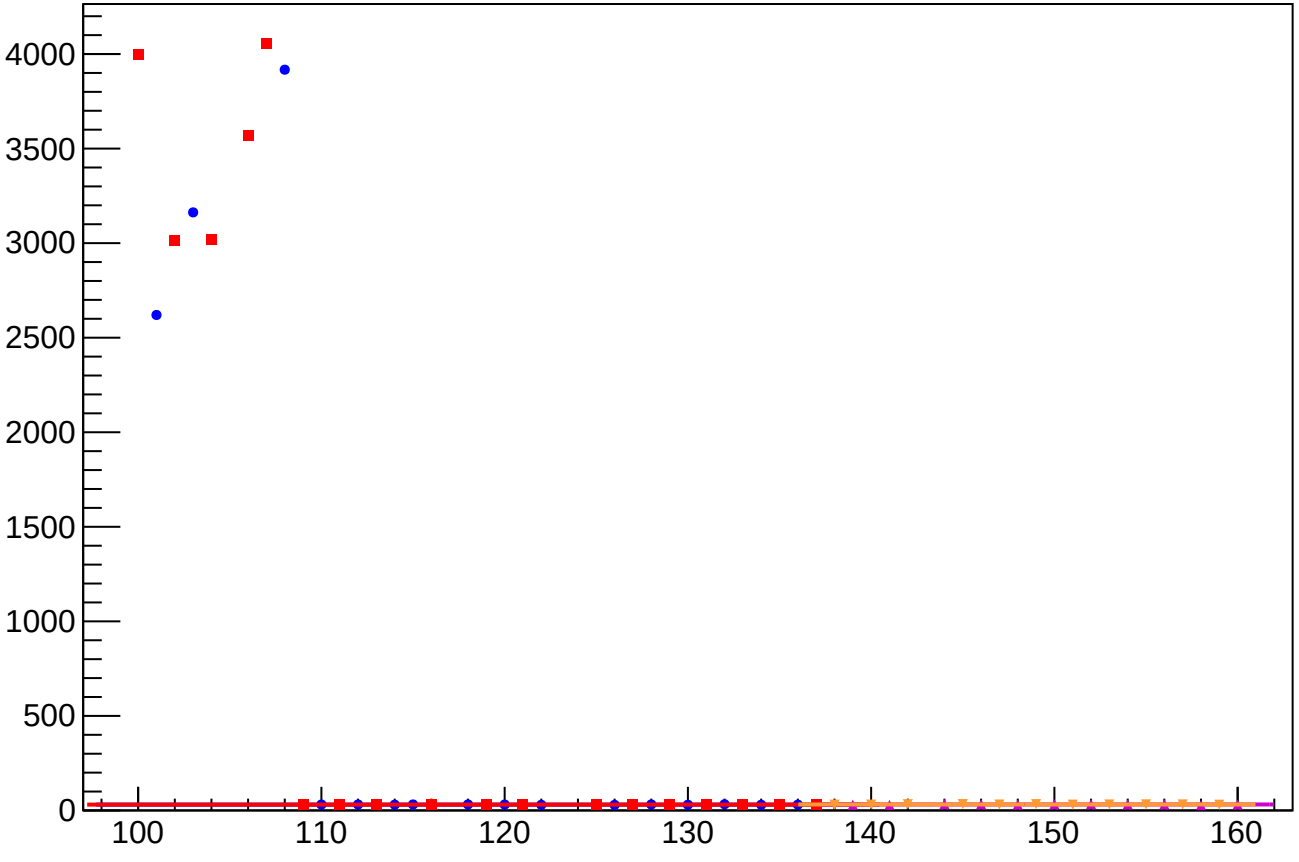
Left In: -3.719+/-10.297 χ^2/NDF:10.7/10

+ sign -1.799+/-8.296 χ^2/NDF: 27.6/26

All: -6.212+/-5.818 χ^2/NDF: 68.4/55

- 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: 31.667+/-0.008 χ^2/NDF:19266.7/10

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

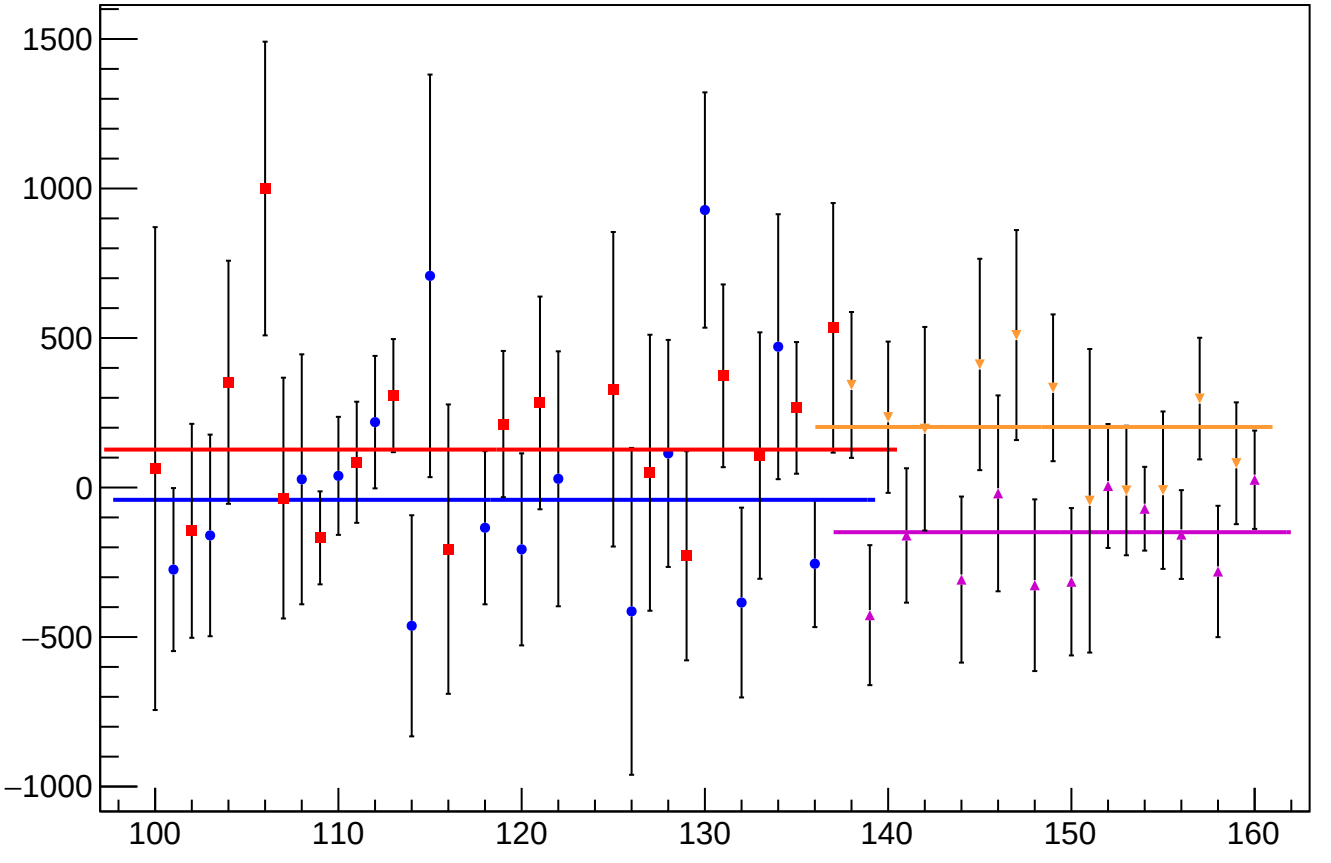
Left In: 31.718+/-0.007 χ^2/NDF:53139.8/10

+ sign 31.369+/-0.006 χ^2/NDF: 3275691.5/26

All: 31.374+/-0.004 χ^2/NDF: 6870652.6/55

- 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: 202.466+/-78.649 χ^2/NDF:4.2/10

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

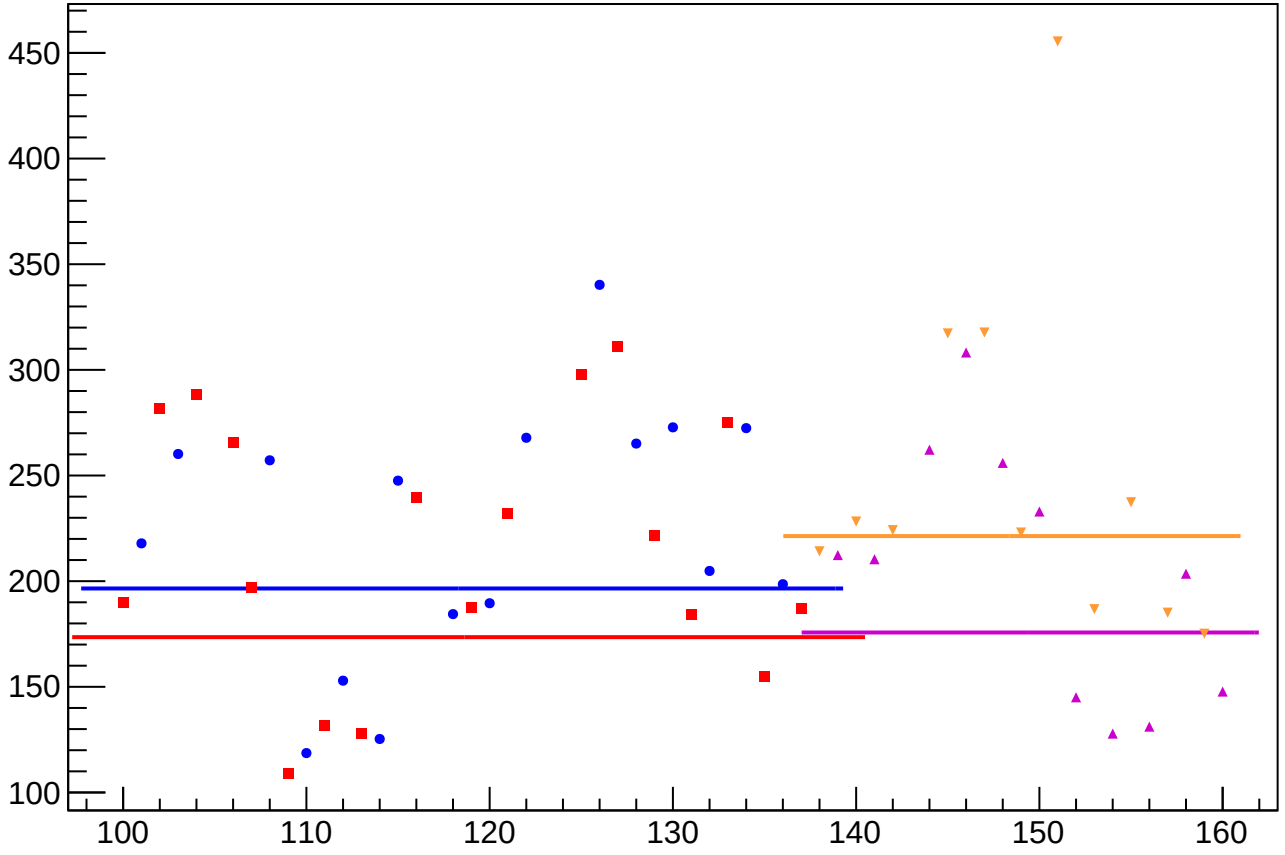
Left In: -149.392+/-61.286 χ^2/NDF:5.1/10

+ sign 78.315+/-55.072 χ^2/NDF: 24.7/26

All: 15.438+/-35.274 χ^2/NDF: 53.6/55

- 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: 221.344+/-0.056 χ^2/NDF:951298.5/10

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

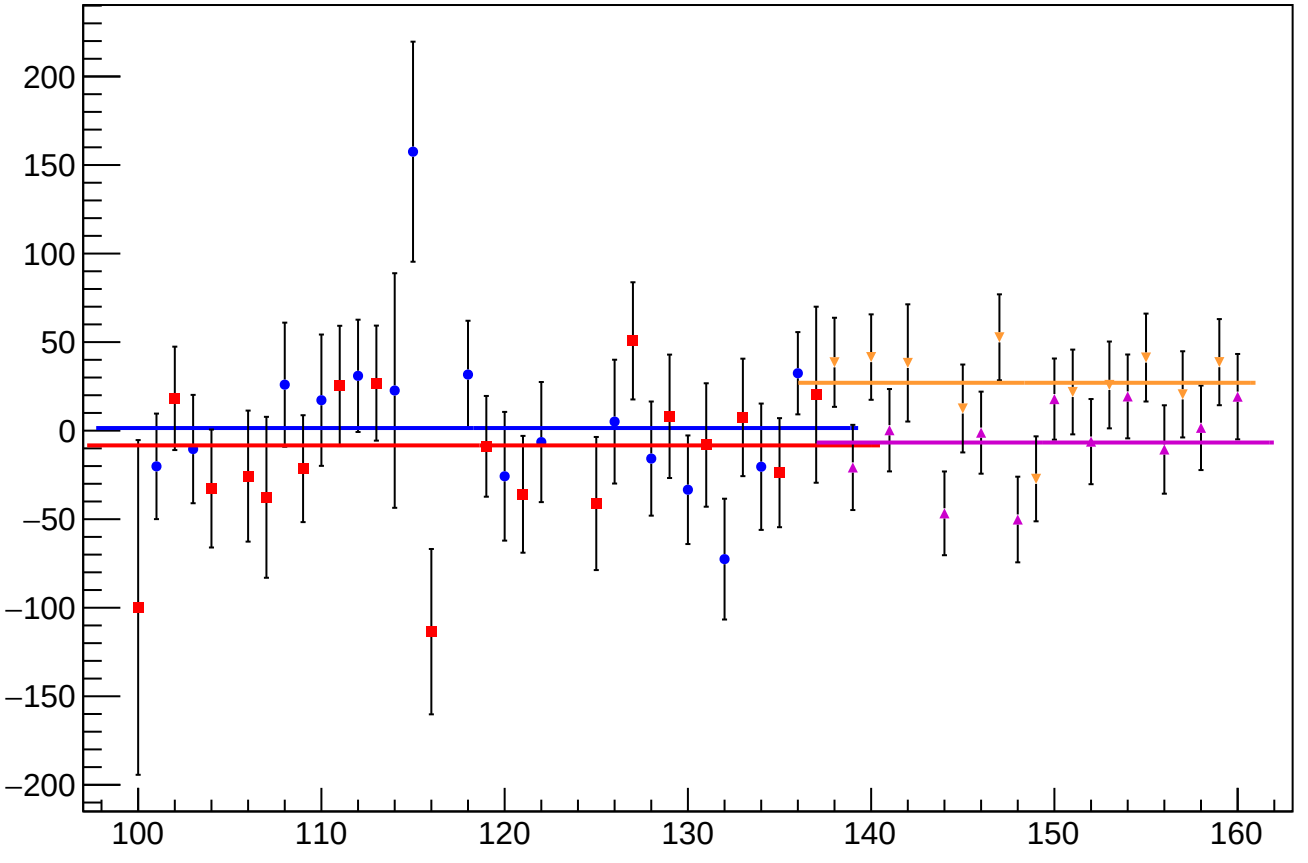
Left In: 175.711+/-0.043 χ^2/NDF:1429232.4/10

+ sign 208.703+/-0.039 χ^2/NDF: 2053440.1/26

All: 188.677+/-0.025 χ^2/NDF: 5464946.9/55

- 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: 27.028+/-7.520 χ^2/NDF:7.9/10

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

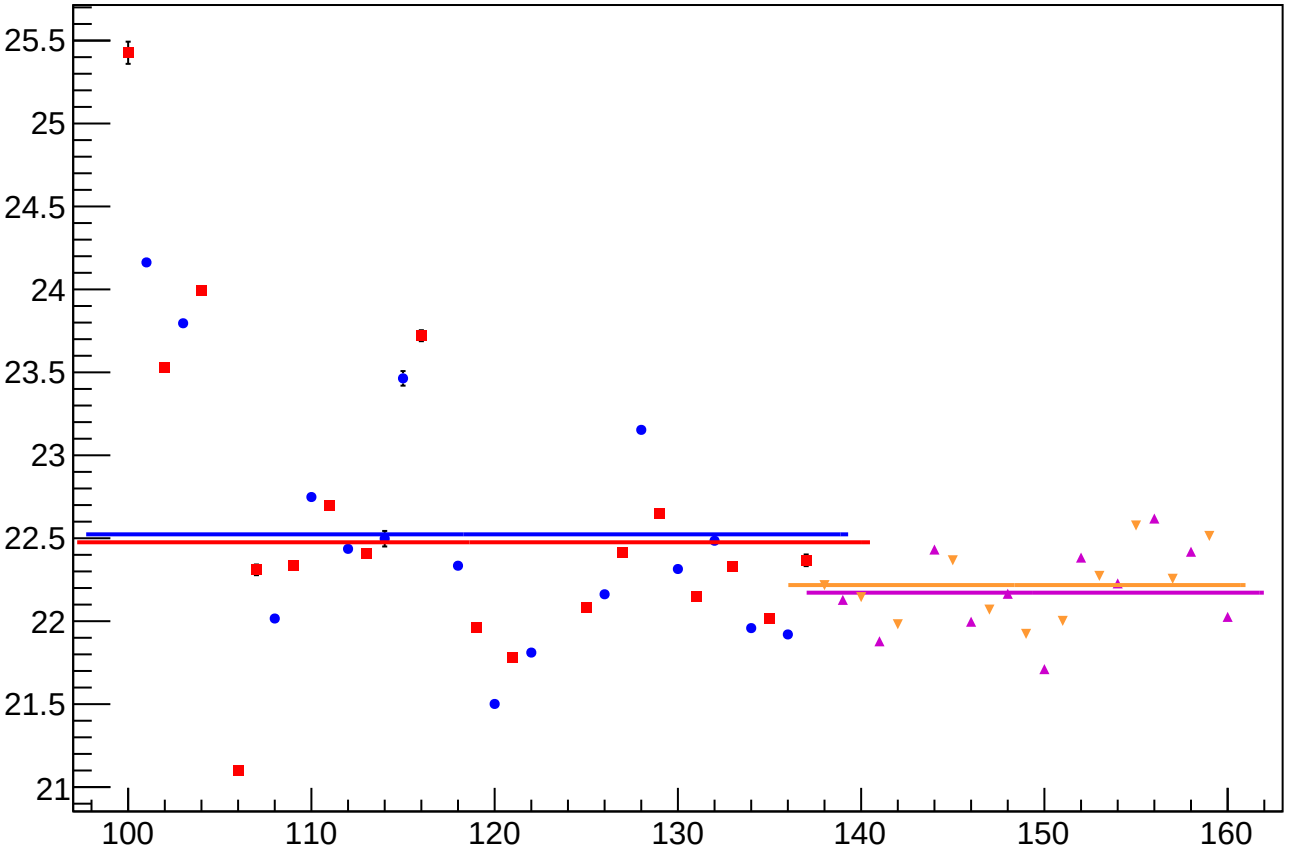
Left In: -6.707+/-7.173 χ^2/NDF:10.2/10

+ sign 15.615+/-5.594 χ^2/NDF: 31.8/26

All: 3.750+/-3.894 χ^2/NDF: 66.8/55

- 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: 22.218+/-0.005 χ^2/NDF:1461.0/10

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

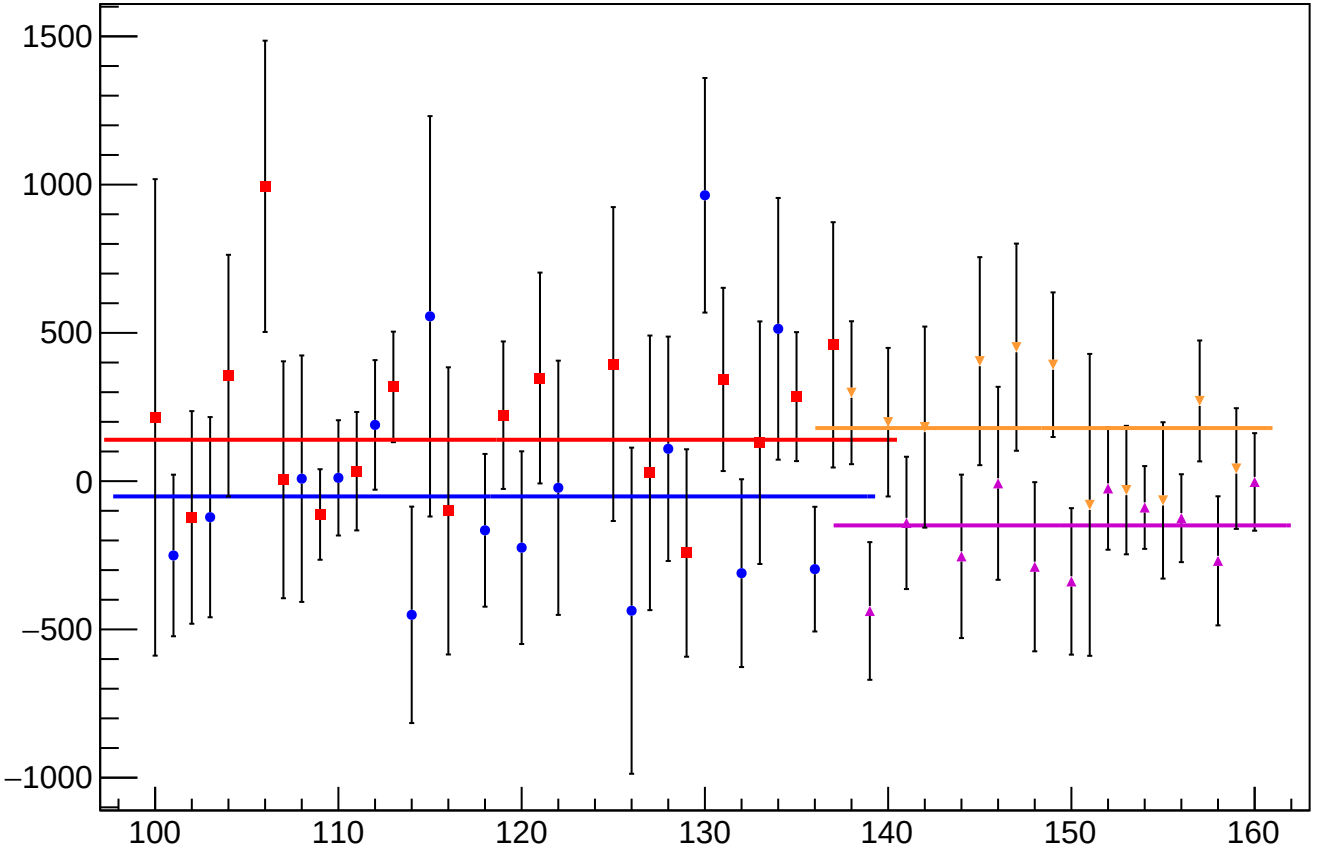
Left In: 22.172+/-0.005 χ^2/NDF:2582.5/10

\+ sign 22.354+/-0.004 χ^2/NDF: 18885.7/26

All: 22.327+/-0.003 χ^2/NDF: 38631.6/55

\- 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: 179.020+/-78.389 χ^2/NDF:4.7/10

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

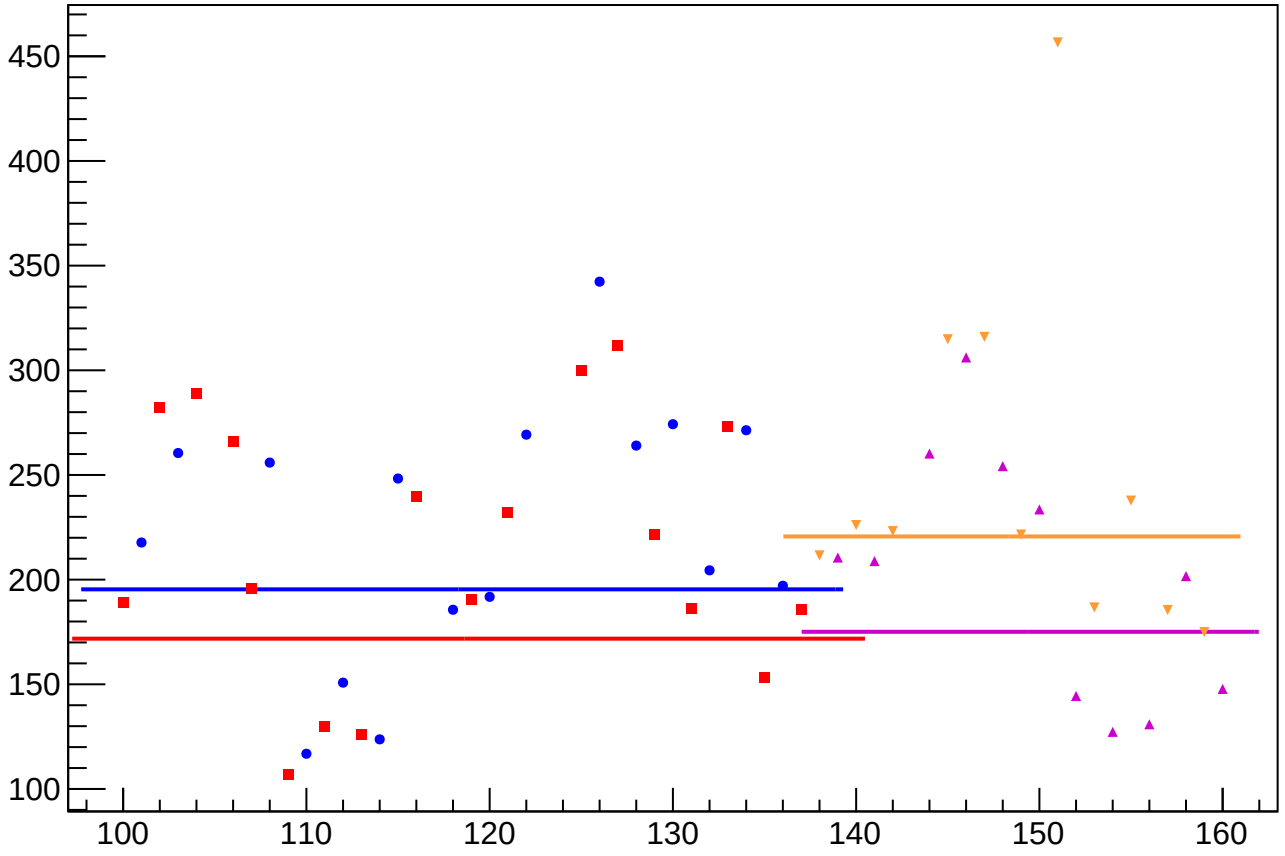
Left In: -149.251+/-61.060 χ^2/NDF:4.4/10

+ sign 61.400+/-54.858 χ^2/NDF: 24.5/26

All: 12.051+/-35.110 χ^2/NDF: 51.6/55

- 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: 220.630+/-0.055 χ^2/NDF:944669.0/10

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

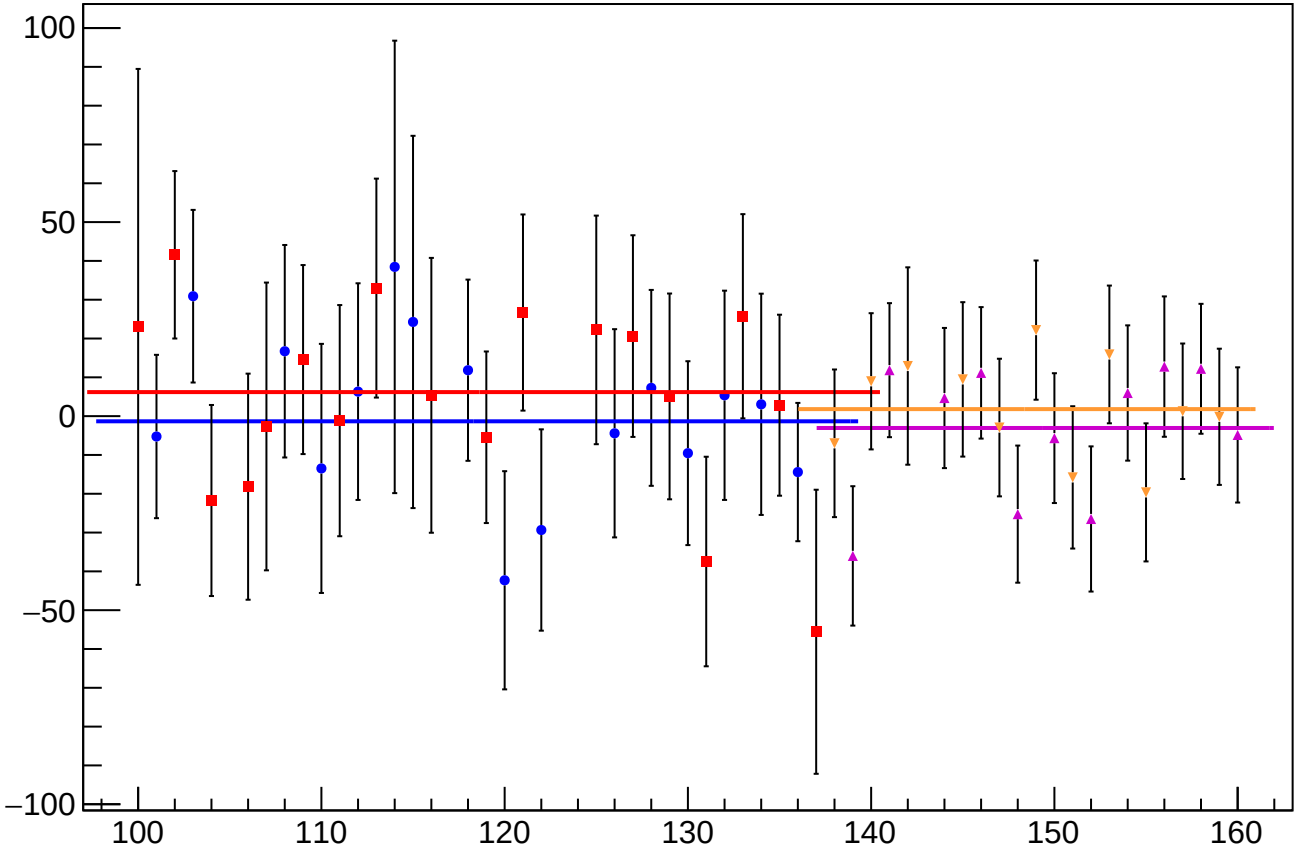
Left In: 175.084+/-0.043 χ^2/NDF:1414613.9/10

+ sign 207.736+/-0.039 χ^2/NDF: 2092145.4/26

All: 187.607+/-0.025 χ^2/NDF: 5566073.3/55

- 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: 1.809+/-5.572 χ^2/NDF:5.1/10

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

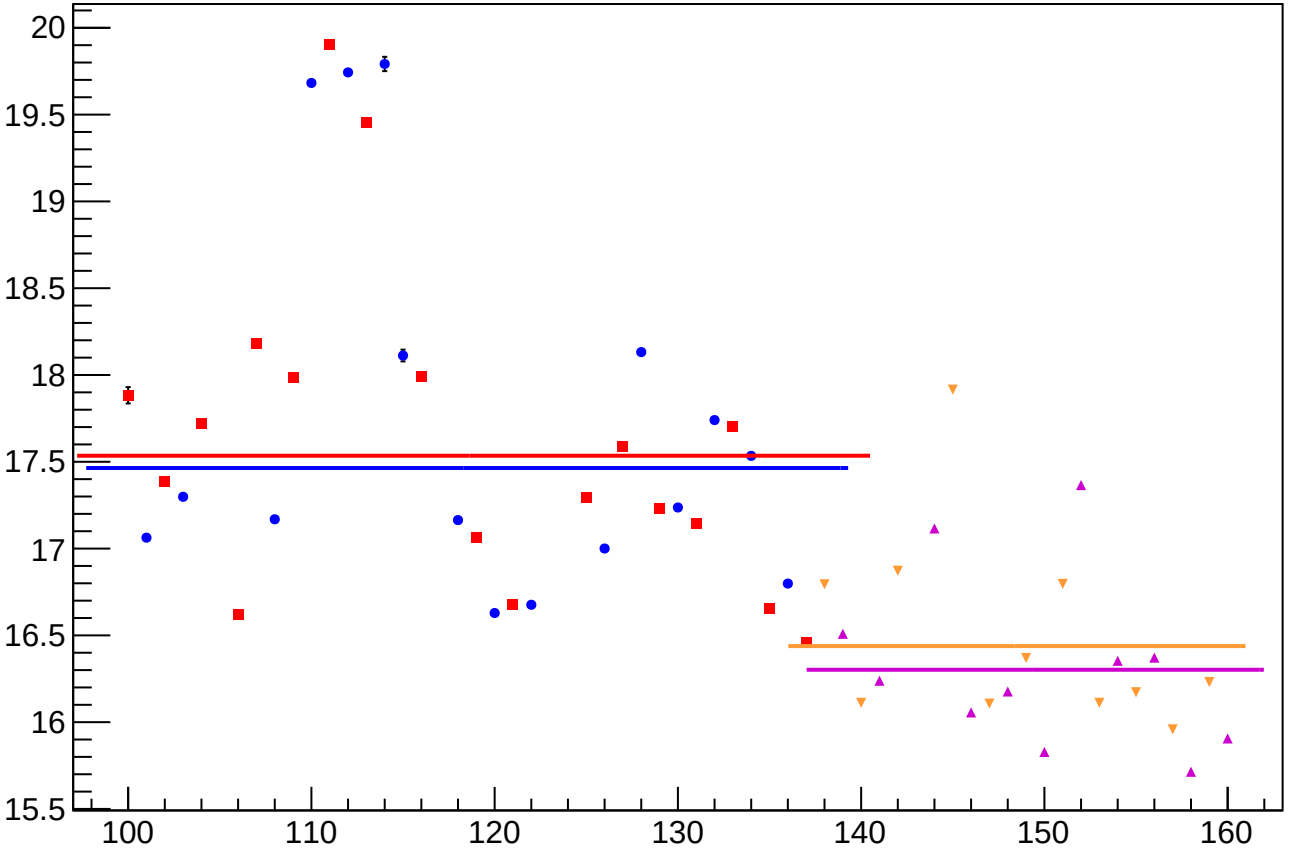
Left In: -3.052+/-5.281 χ^2/NDF:10.0/10

+ sign 0.479+/-4.230 χ^2/NDF: 13.3/26

All: 0.564+/-2.941 χ^2/NDF: 38.0/55

- 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: 16.438+/-0.004 χ^2/NDF:17408.6/10

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

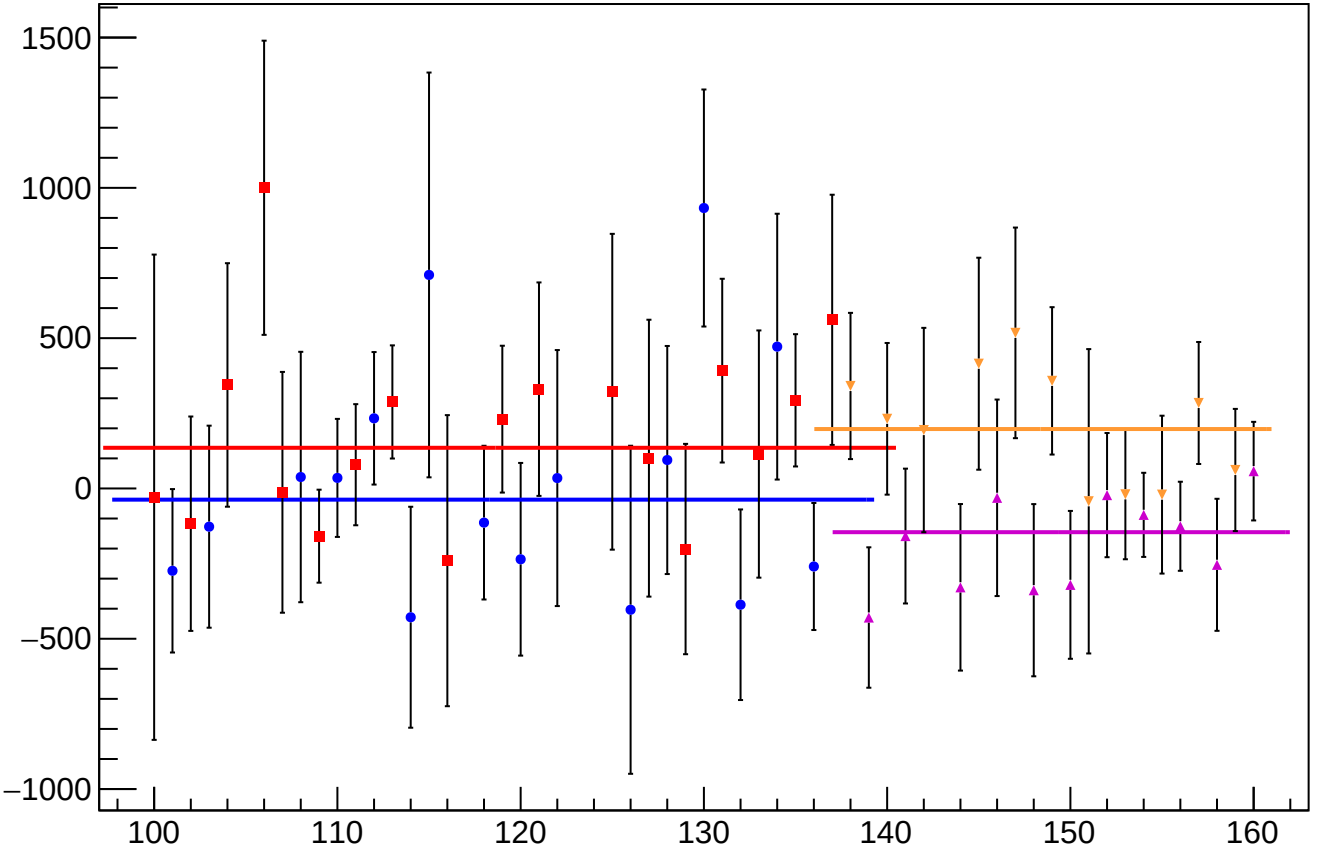
Left In: 16.302+/-0.004 χ^2/NDF:16494.5/10

+ sign 16.873+/-0.003 χ^2/NDF: 82783.4/26

All: 16.833+/-0.002 χ^2/NDF: 177677.6/55

- 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: 197.653+/-78.467 χ^2/NDF:4.6/10

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

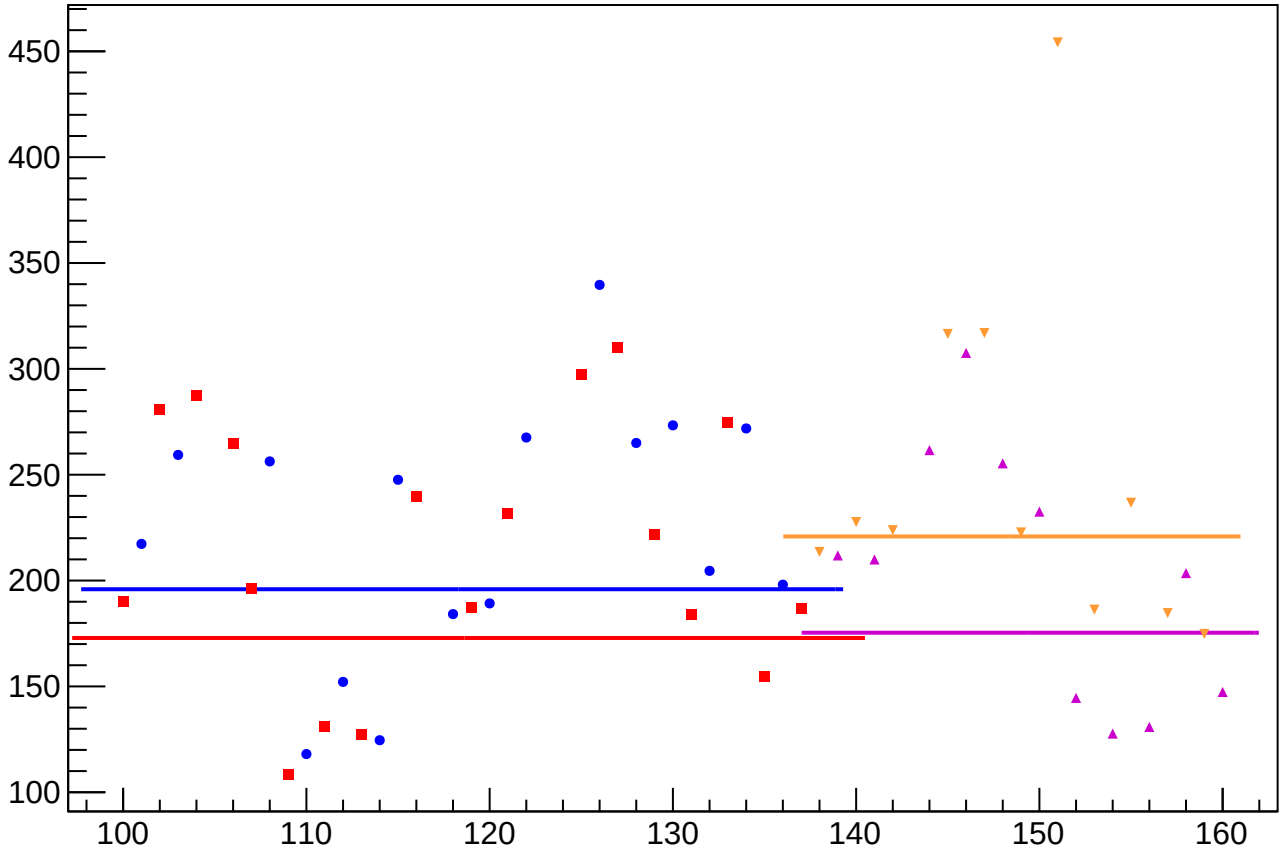
Left In: -145.461+/-61.163 χ^2/NDF:5.3/10

+ sign 77.860+/-54.928 χ^2/NDF: 24.8/26

All: 18.824+/-35.183 χ^2/NDF: 54.1/55

- 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: 220.835+/-0.055 χ^2/NDF:951065.3/10

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

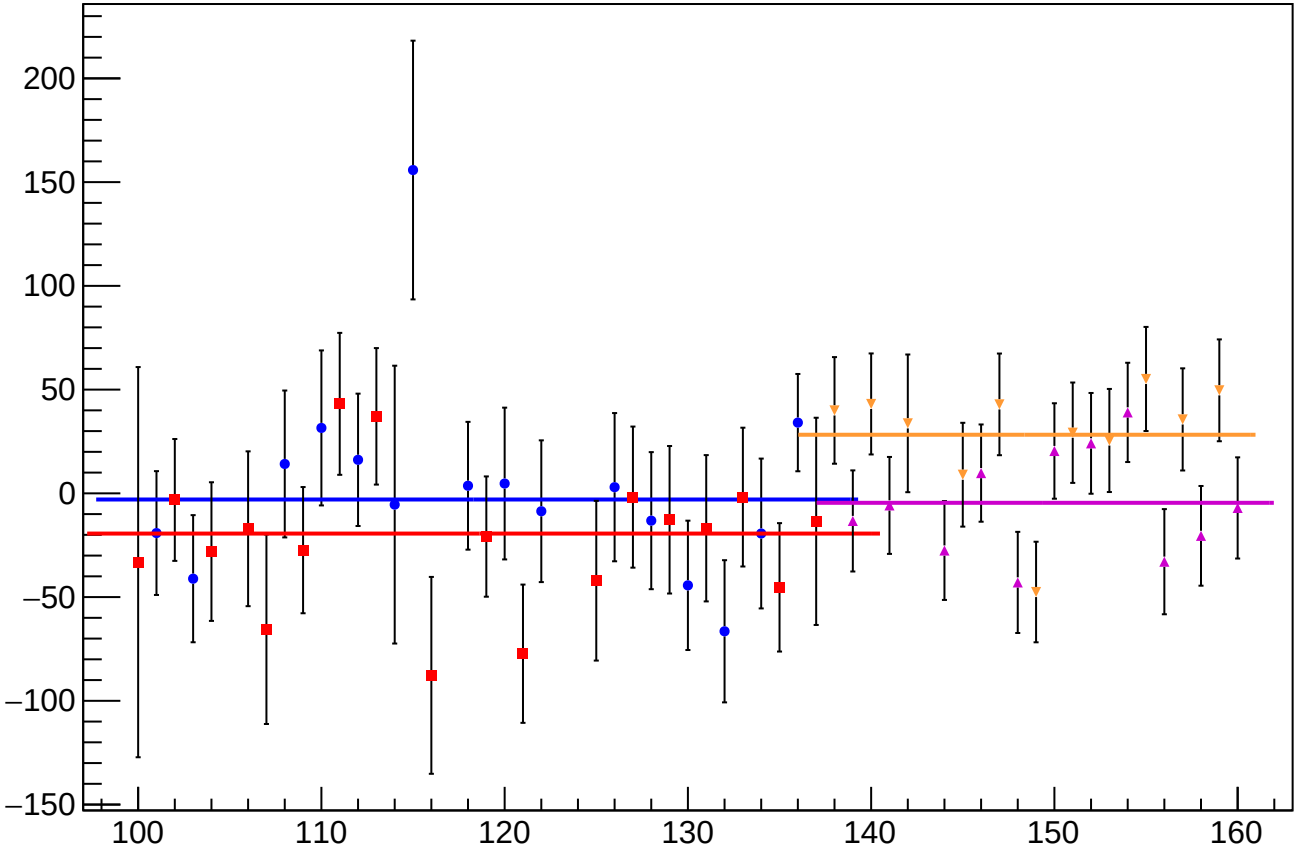
Left In: 175.360+/-0.043 χ^2/NDF:1429504.4/10

+ sign 208.118+/-0.039 χ^2/NDF: 2065077.9/26

All: 188.156+/-0.025 χ^2/NDF: 5487213.6/55

- 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: 28.243+/-7.602 χ^2/NDF:13.4/10

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

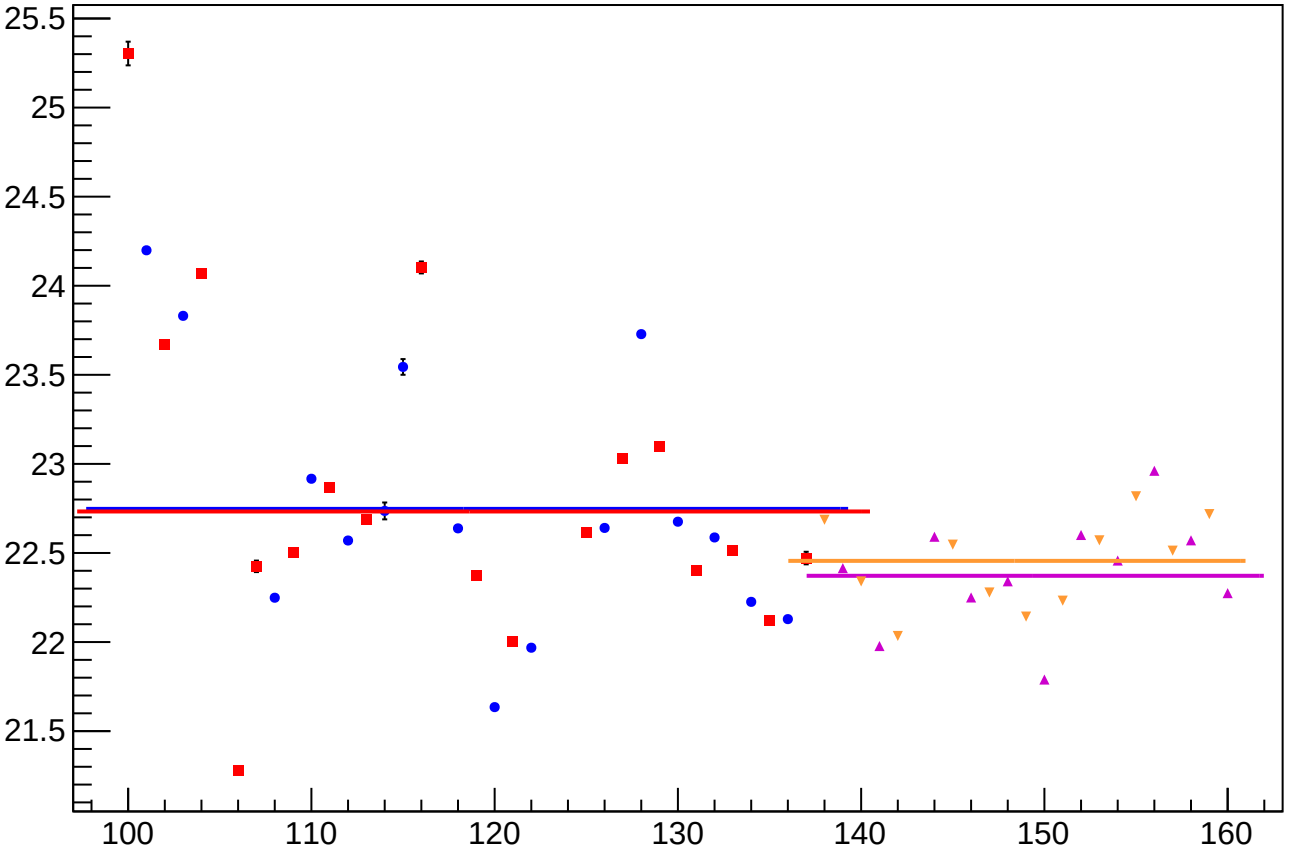
Left In: -4.563+/-7.239 χ^2/NDF:11.5/10

+ sign 14.290+/-5.653 χ^2/NDF: 38.8/26

All: 1.302+/-3.934 χ^2/NDF: 76.9/55

- 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: 22.456+/-0.005 χ^2/NDF:1864.0/10

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

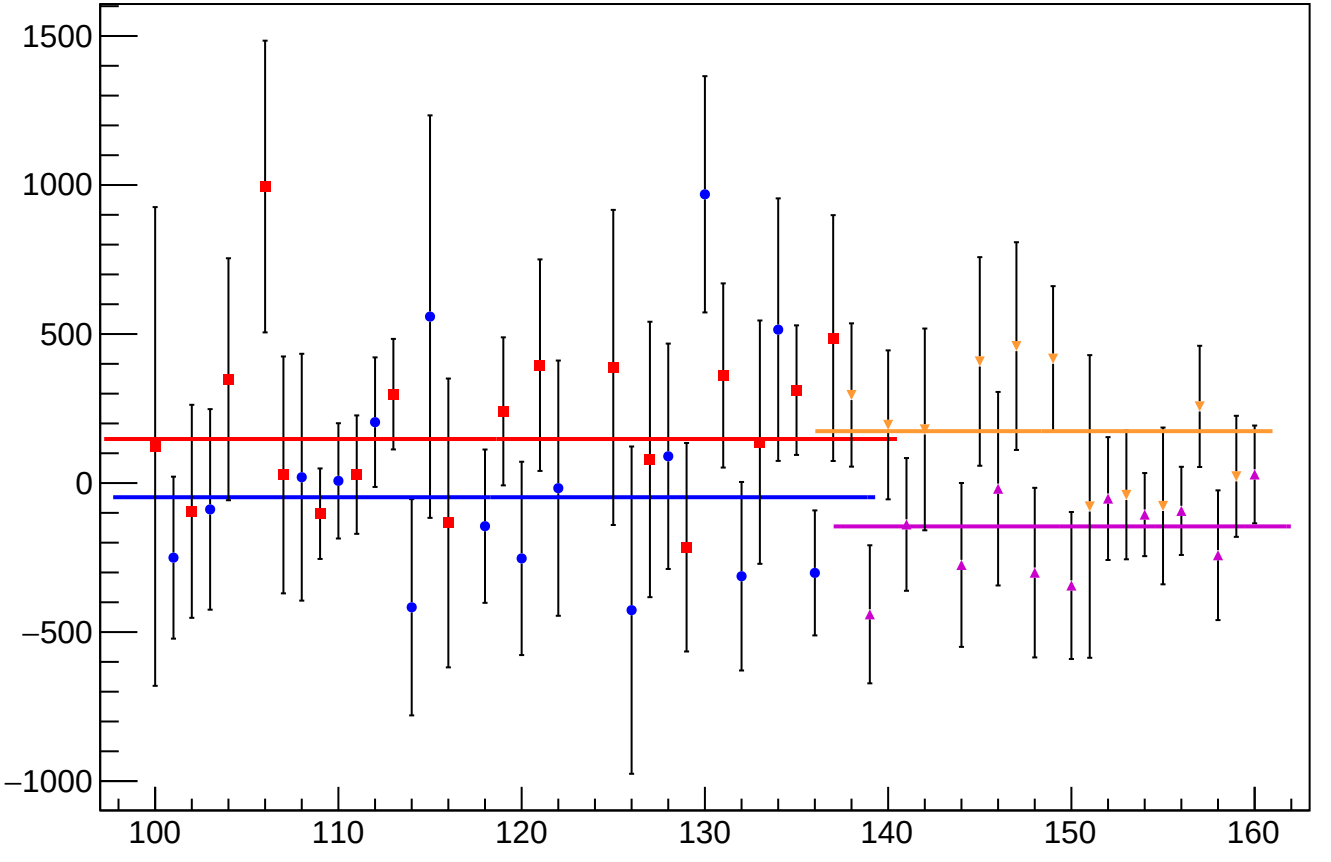
Left In: 22.372+/-0.005 χ^2/NDF:3538.5/10

\+ sign 22.586+/-0.004 χ^2/NDF: 17803.9/26

All: 22.555+/-0.003 χ^2/NDF: 37973.7/55

\- 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: 174.096+/-78.207 χ^2/NDF:5.2/10

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

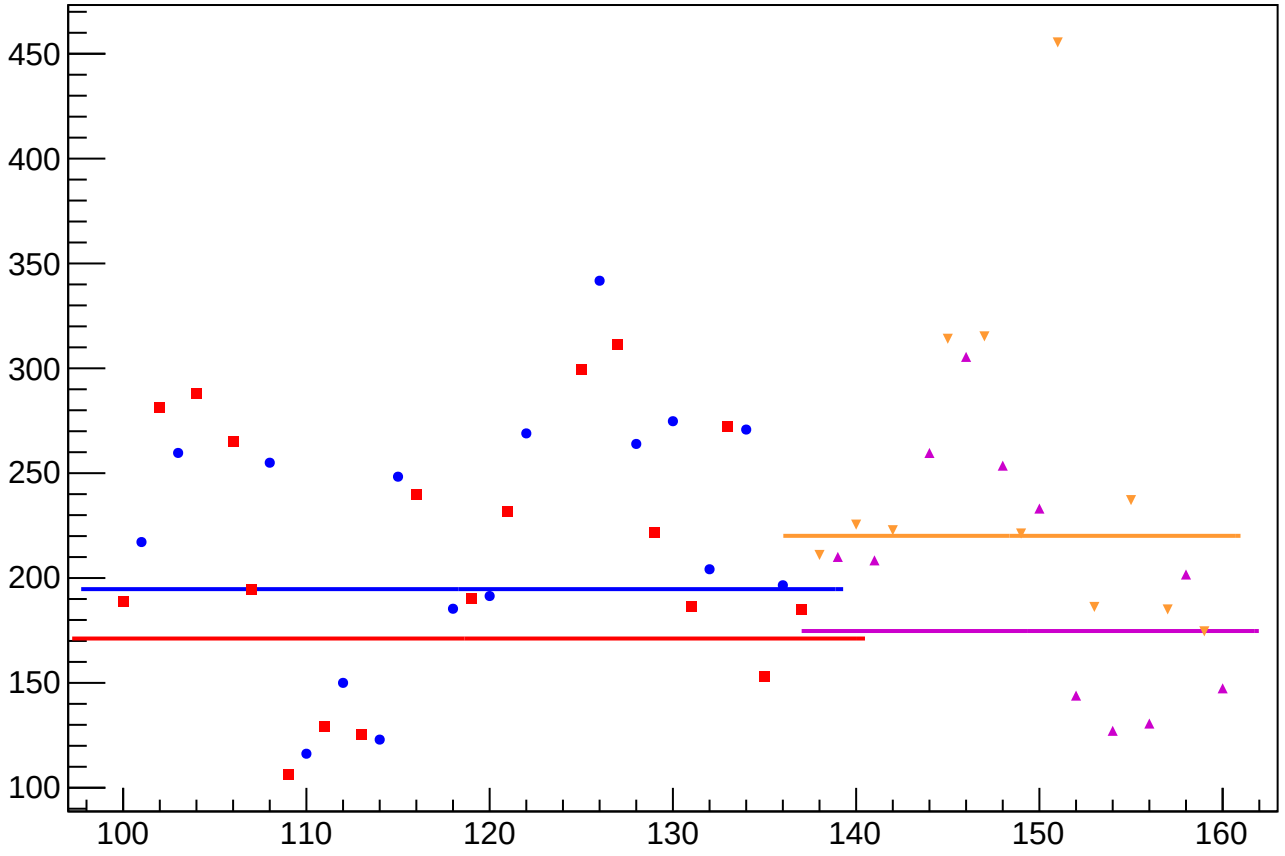
Left In: -145.416+/-60.937 χ^2/NDF:4.7/10

+ sign 60.944+/-54.713 χ^2/NDF: 24.7/26

All: 15.394+/-35.018 χ^2/NDF: 52.3/55

- 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: 220.121+/-0.055 χ^2/NDF:944412.3/10

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

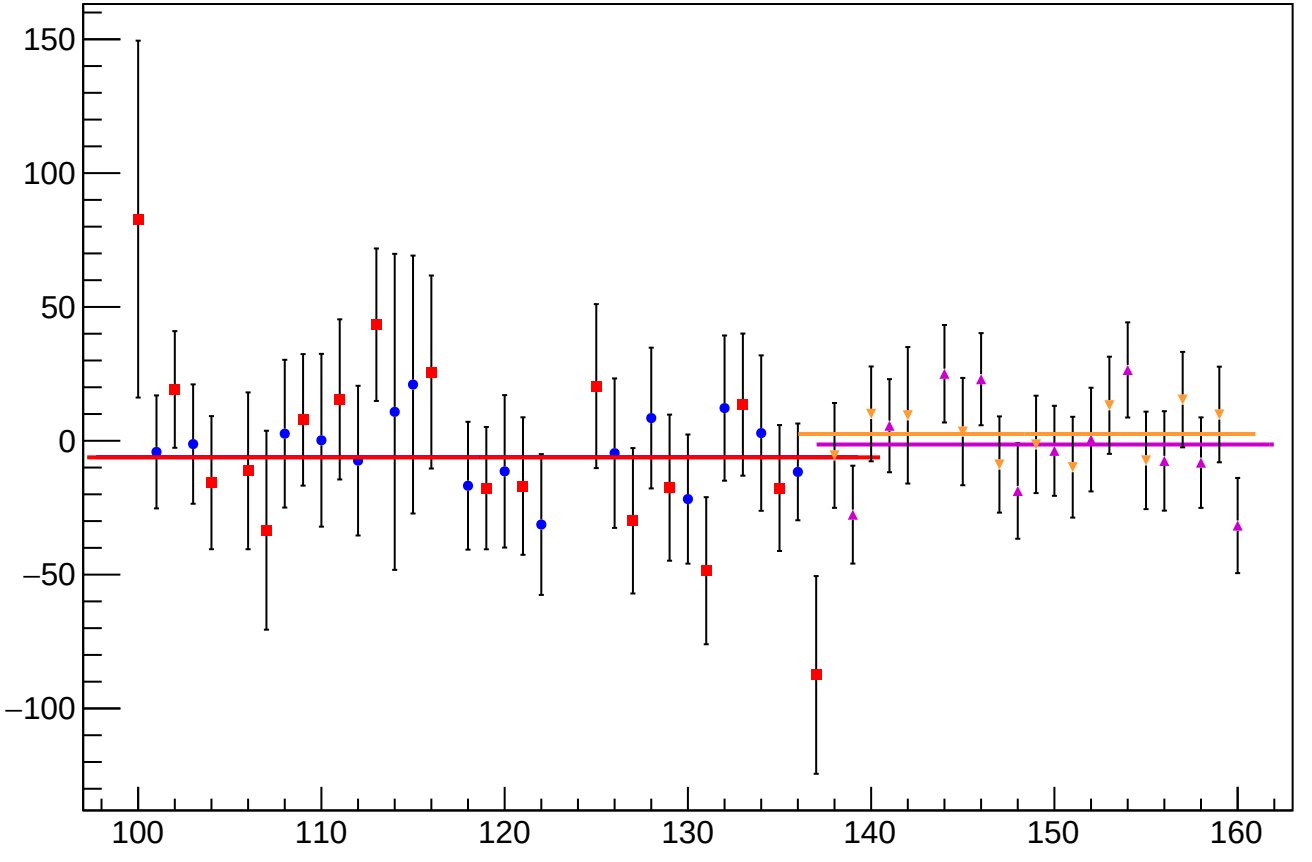
Left In: 174.734+/-0.043 χ^2/NDF:1414745.1/10

+ sign 207.146+/-0.039 χ^2/NDF: 2104525.1/26

All: 187.080+/-0.025 χ^2/NDF: 5589888.6/55

- 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: 2.543+/-5.672 χ^2/NDF:2.6/10

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

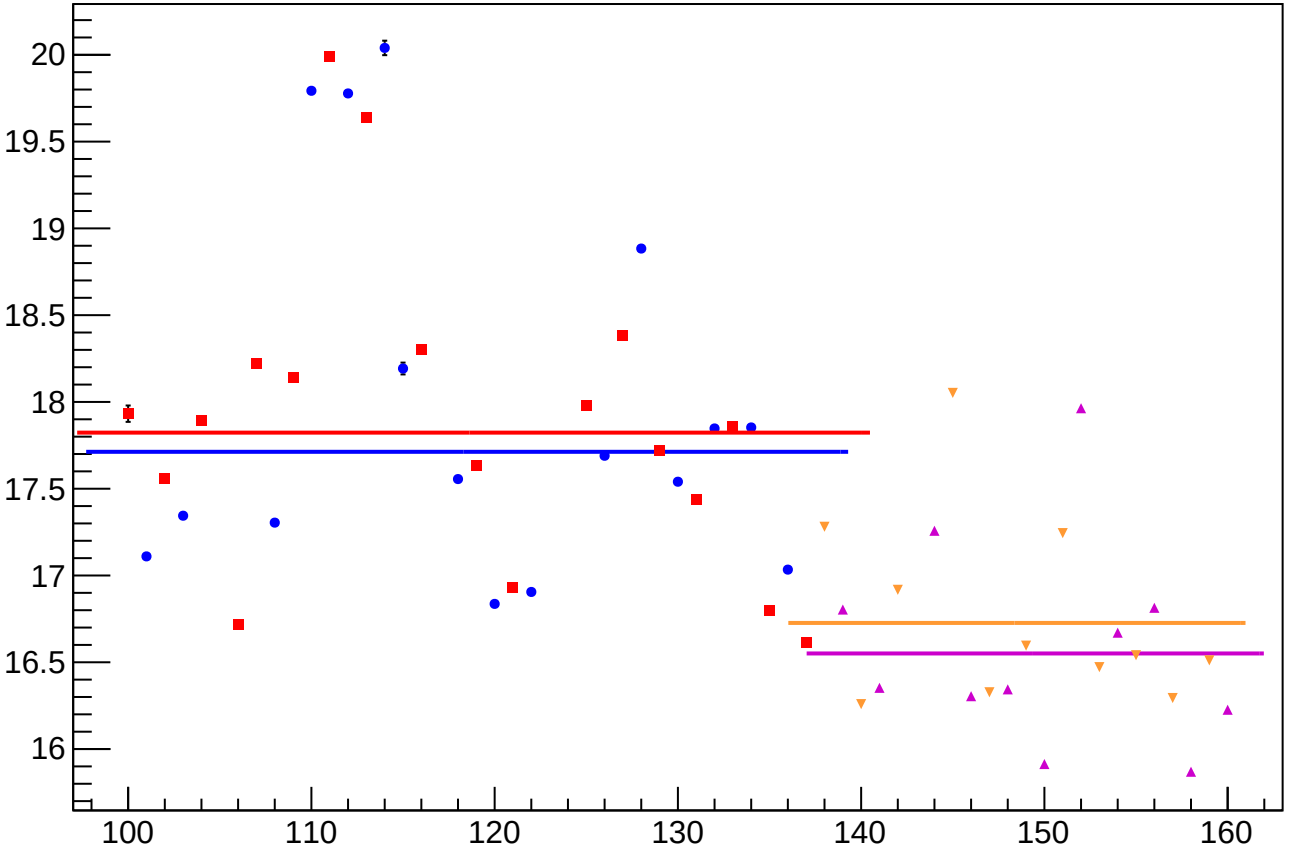
Left In: -1.389+/-5.365 χ^2/NDF:12.9/10

+ sign -1.142+/-4.299 χ^2/NDF: 6.8/26

All: -2.261+/-2.989 χ^2/NDF: 38.8/55

- 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: 16.727+/-0.004 χ^2/NDF:16521.3/10

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

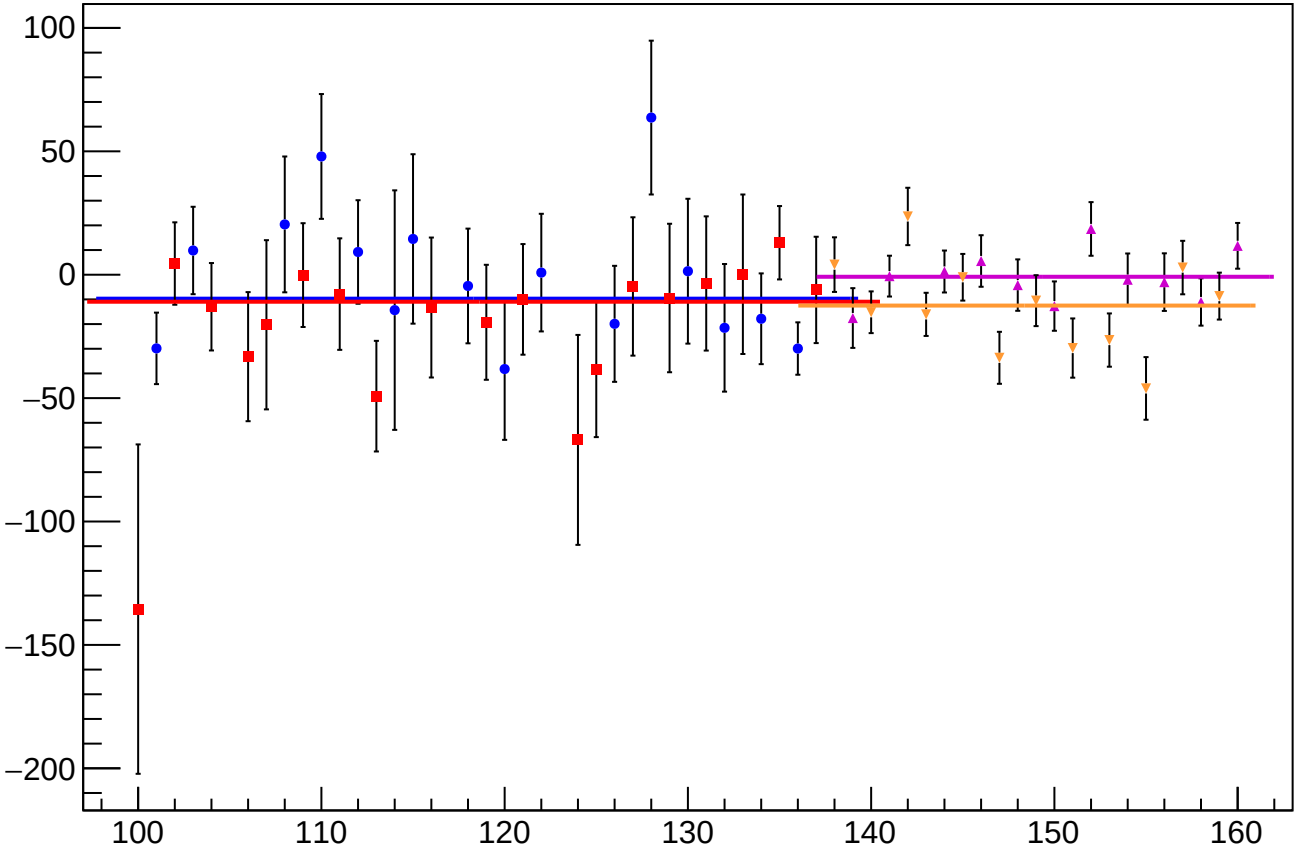
Left In: 16.551+/-0.004 χ^2/NDF:22254.9/10

+ sign 17.146+/-0.003 χ^2/NDF: 78213.4/26

All: 17.101+/-0.002 χ^2/NDF: 178319.9/55

- 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: -12.499+/-2.968 χ^2/NDF:30.6/11

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

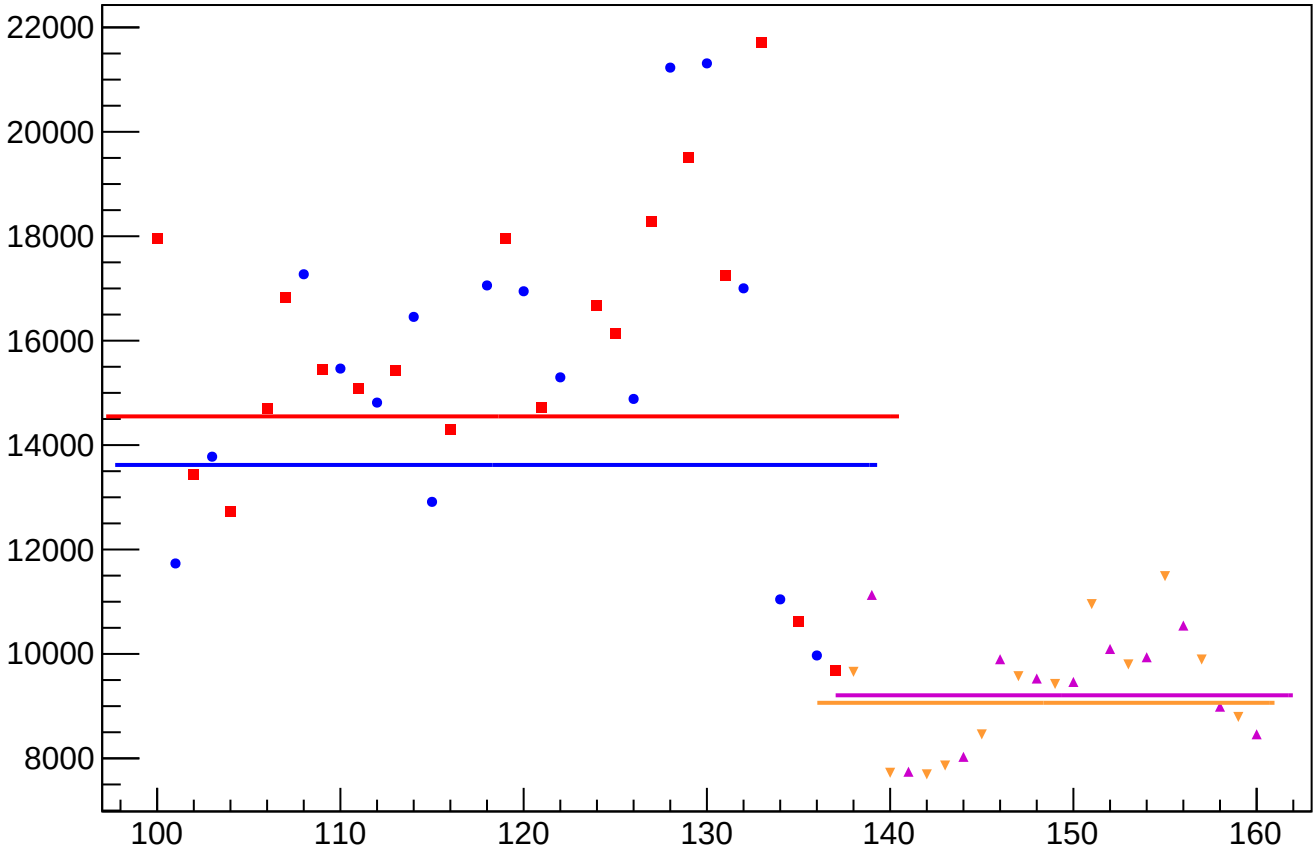
Left In: -0.829+/-3.003 χ^2/NDF:10.1/10

+ sign -11.818+/-2.581 χ^2/NDF: 52.8/27

All: -7.584+/-1.842 χ^2/NDF: 85.1/57

- 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: 9063.961+/-2.098 χ^2/NDF:282169.8/11

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

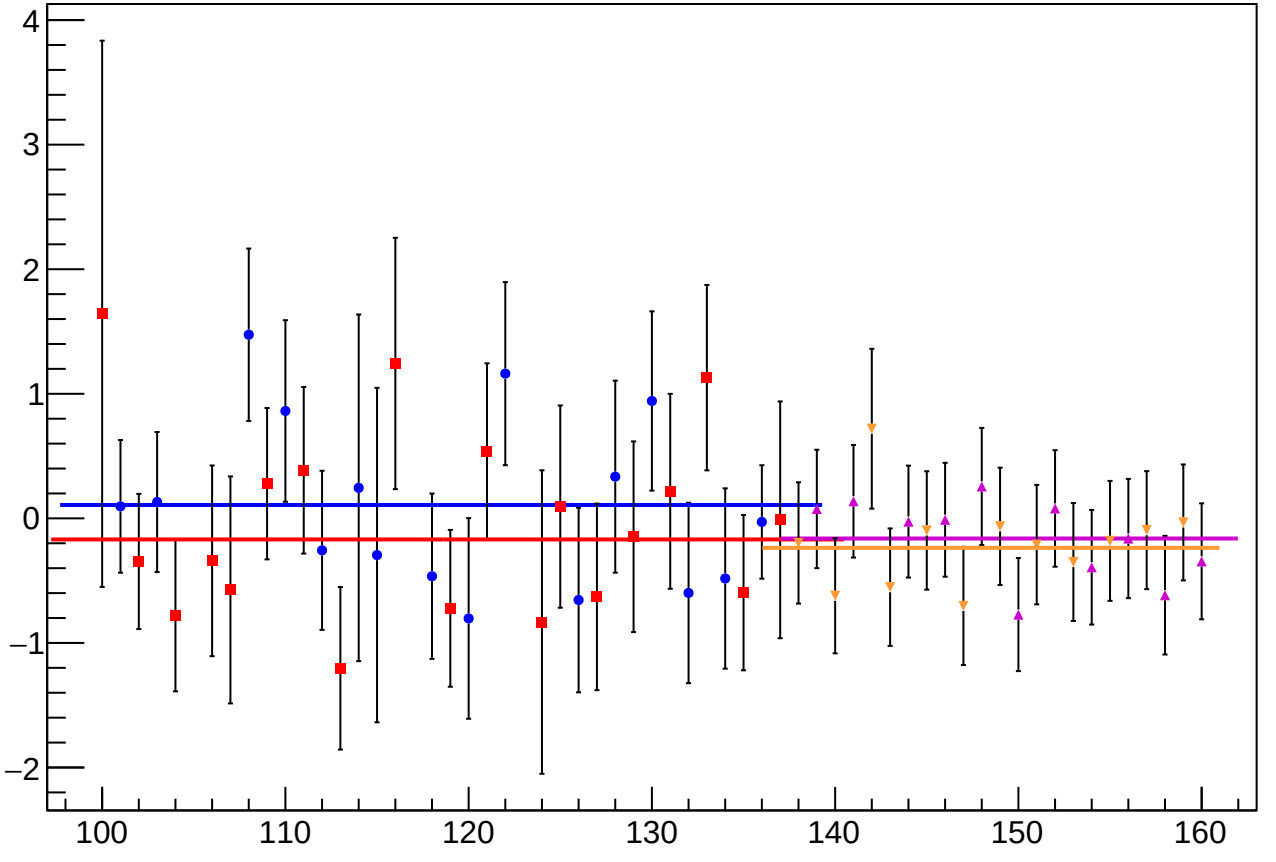
Left In: 9207.767+/-2.123 χ^2/NDF:226509.3/10

+ sign 10173.112+/-1.825 χ^2/NDF: 2176714.9/27

All: 10312.364+/-1.302 χ^2/NDF: 4450650.0/5

- 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: -0.236+/-0.139 χ^2/NDF:4.9/11

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

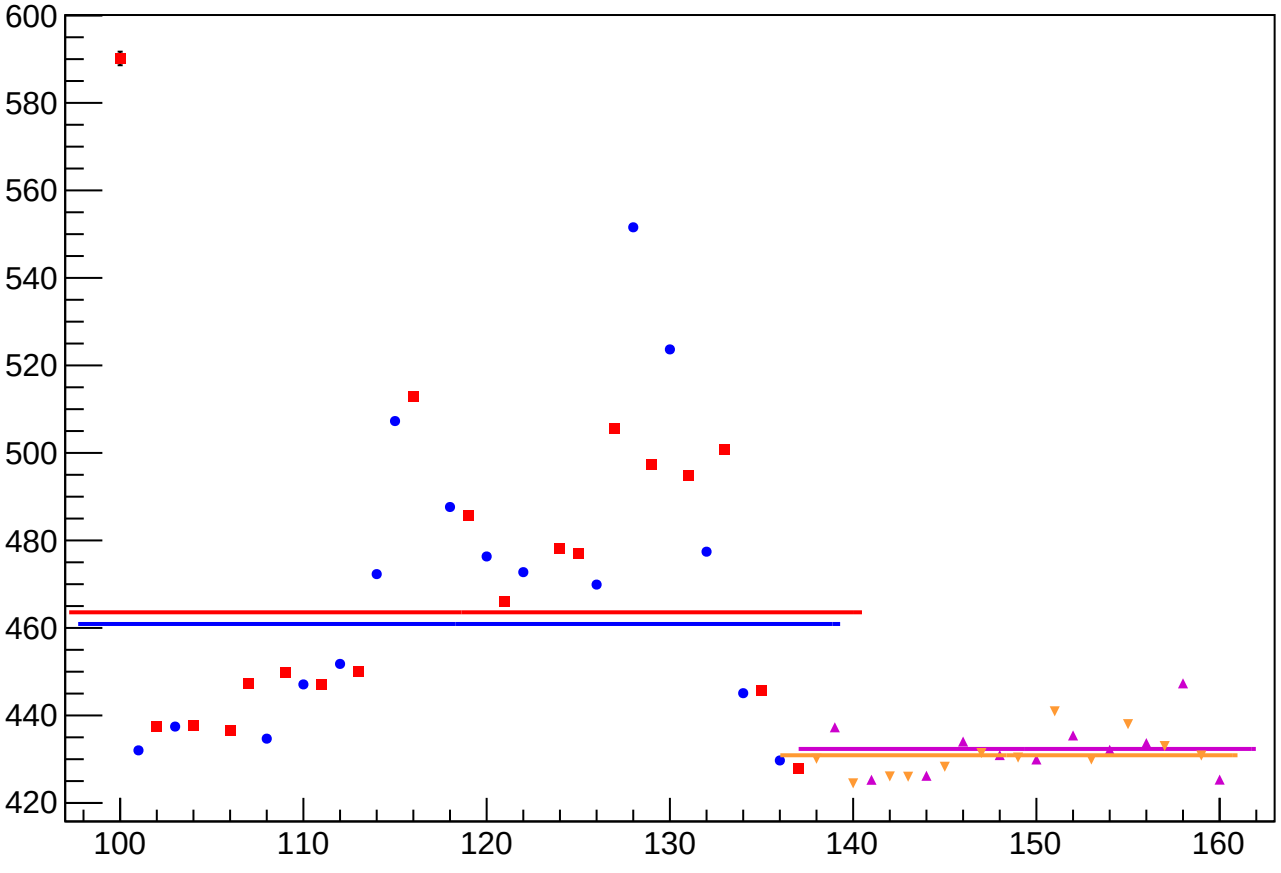
Left In: -0.162+/-0.140 χ^2/NDF:5.1/10

+ sign -0.100+/-0.108 χ^2/NDF: 21.0/27

All: -0.132+/-0.076 χ^2/NDF: 40.4/57

- 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: 430.900+/-0.099 χ^2/NDF:2147.2/11

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

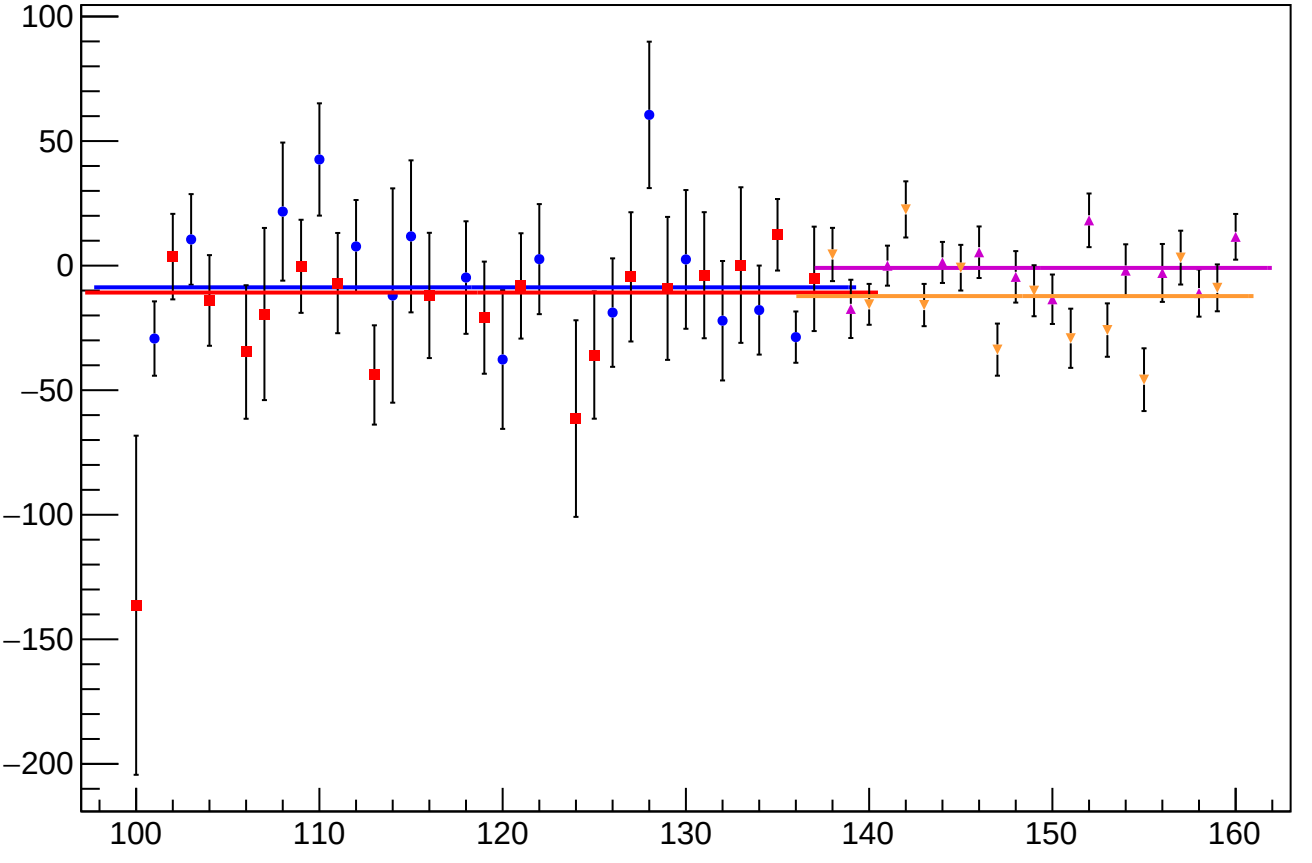
Left In: 432.347+/-0.099 χ^2/NDF:3714.0/10

+ sign 442.826+/-0.077 χ^2/NDF: 113878.0/27

All: 443.917+/-0.054 χ^2/NDF: 210575.0/57

- 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: -12.227+/-2.912 χ^2/NDF:31.0/11

Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

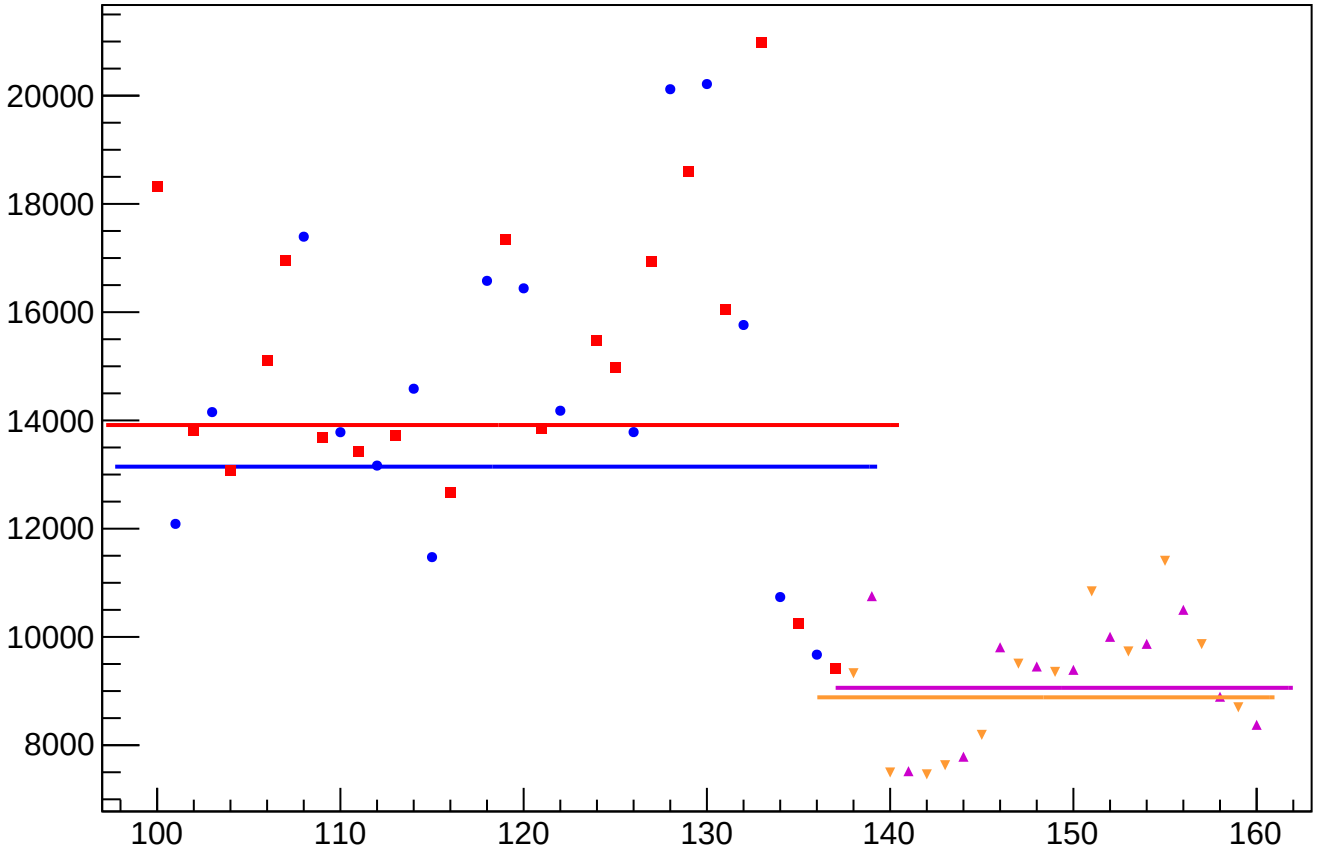
Left In: -0.917+/-2.956 χ^2/NDF:10.3/10

+ sign -11.345+/-2.521 χ^2/NDF: 53.7/27

All: -7.418+/-1.799 χ^2/NDF: 85.6/57

- 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: 8884.261+/-2.059 χ^2/NDF:323417.8/11

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

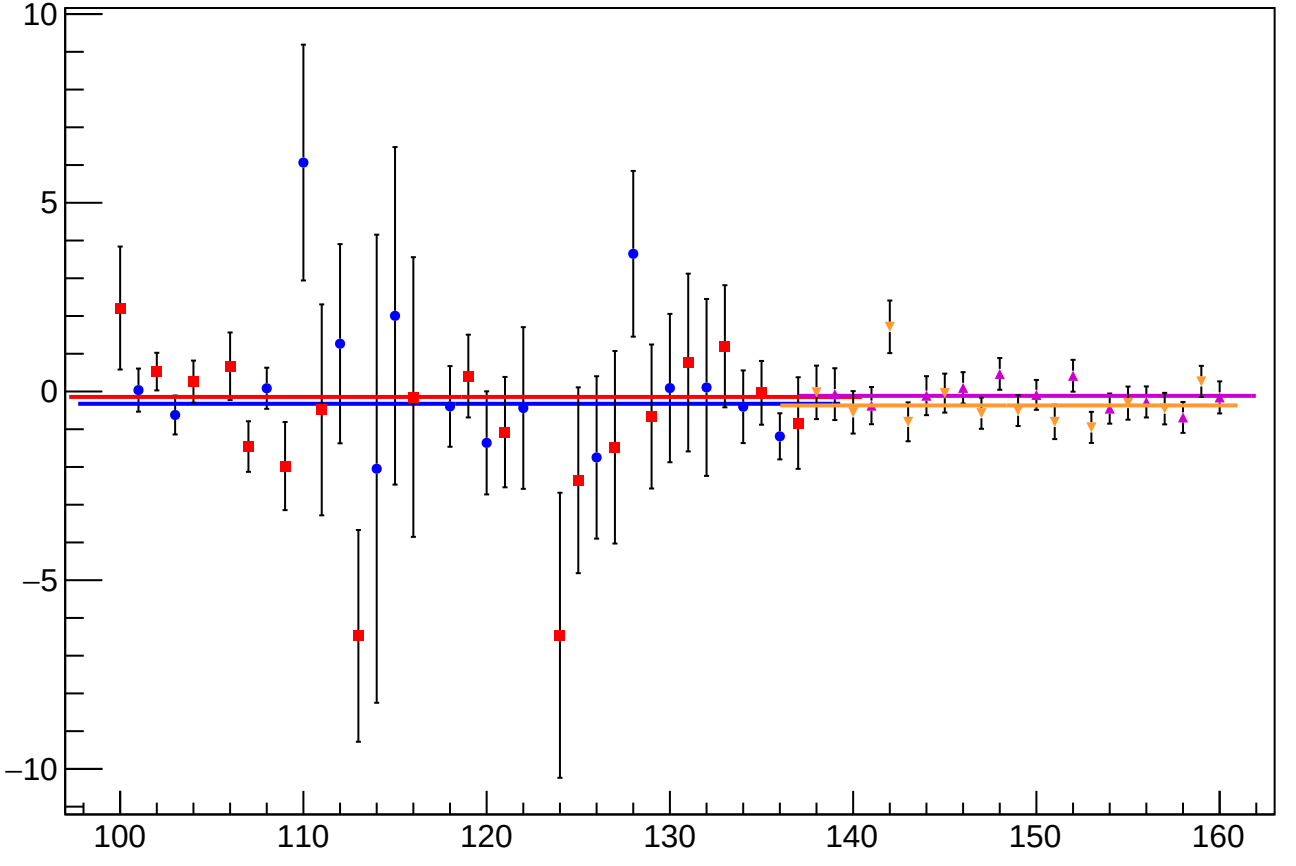
Left In: 9059.887+/-2.091 χ^2/NDF:248436.6/10

+ sign 9952.337+/-1.783 χ^2/NDF: 2079392.5/27

All: 10097.762+/-1.272 χ^2/NDF: 4173098.2/5

- 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: -0.370+/-0.136 χ^2/NDF:16.1/11

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

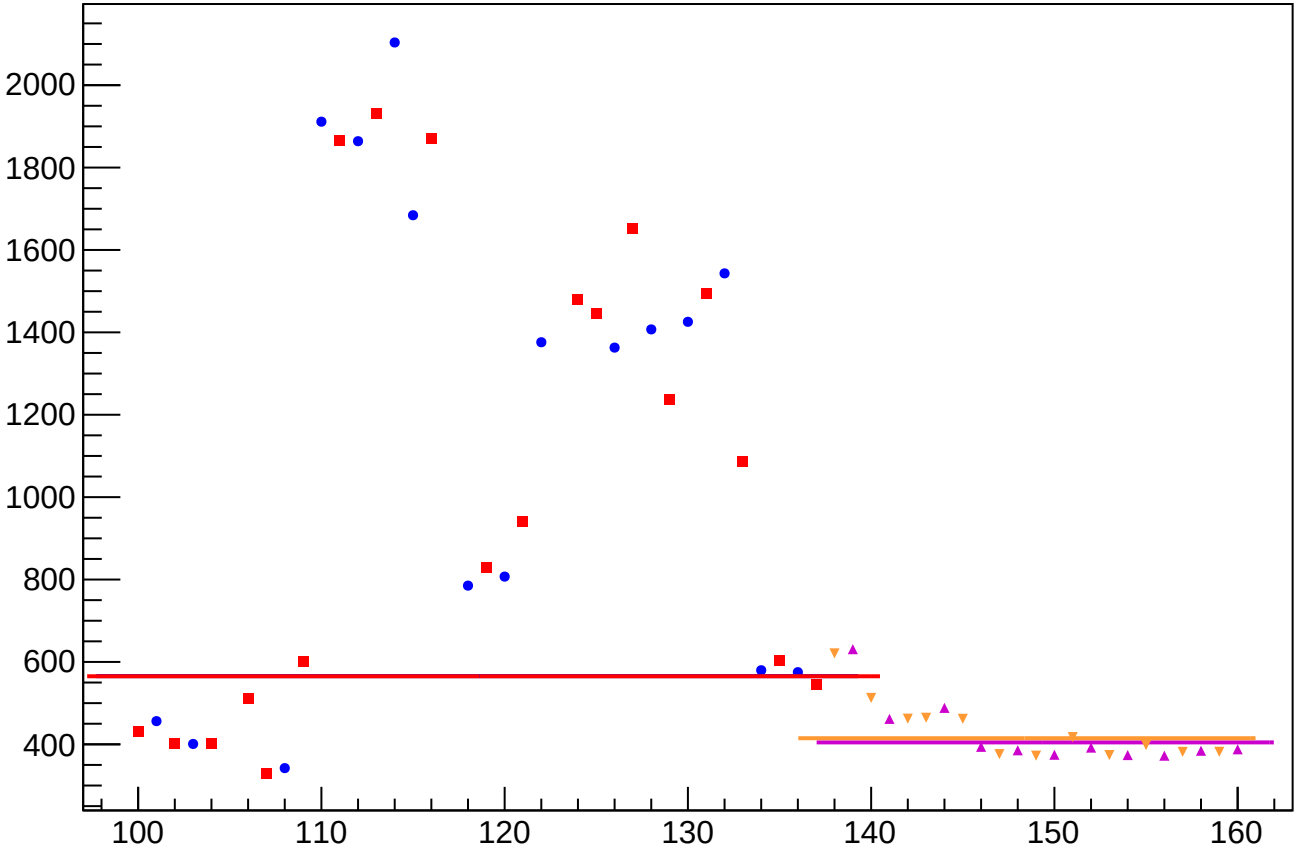
Left In: -0.115+/-0.132 χ^2/NDF:6.9/10

+ sign -0.359+/-0.119 χ^2/NDF: 28.7/27

All: -0.238+/-0.083 χ^2/NDF: 60.1/57

- 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: 414.848+/-0.096 χ^2/NDF:360786.1/11

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

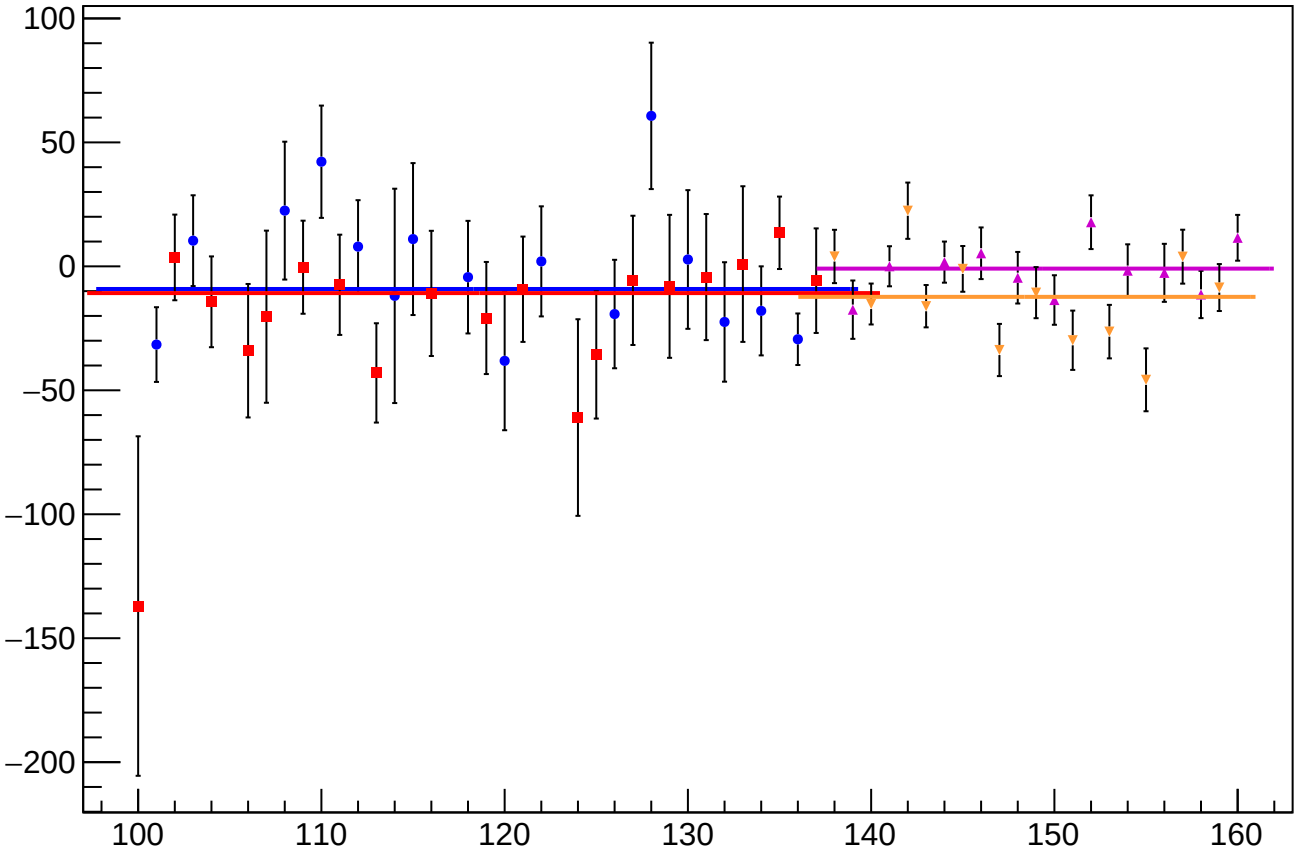
Left In: 404.713+/-0.094 χ^2/NDF:347542.1/10

+ sign 450.517+/-0.084 χ^2/NDF: 4392912.0/27

All: 445.707+/-0.059 χ^2/NDF: 8985808.3/57

- 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: -12.307+/-2.931 χ^2/NDF:30.8/11

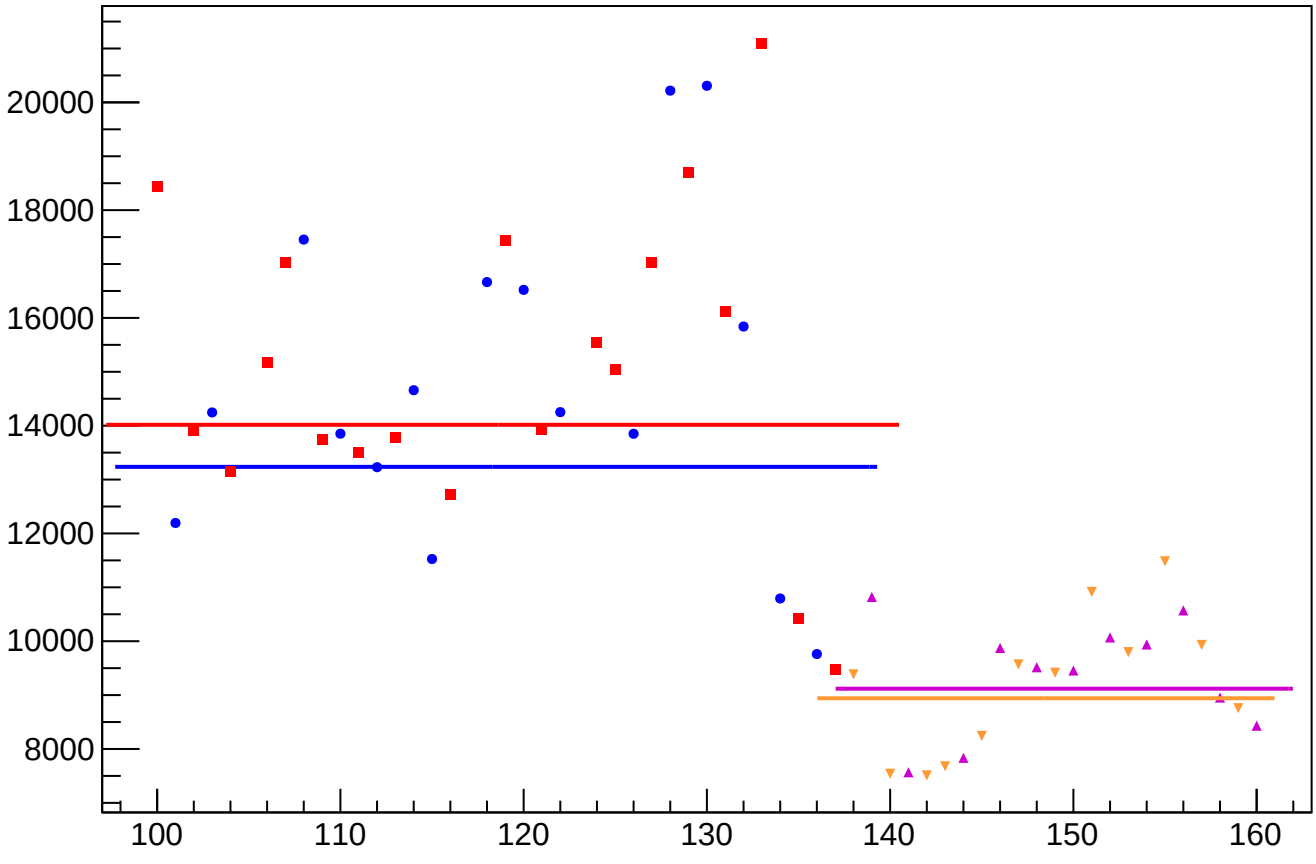
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -0.915+/-2.976 χ^2/NDF:10.2/10

+ sign -11.511+/-2.537 χ^2/NDF: 53.9/27

All: -7.499+/-1.811 χ^2/NDF: 85.6/57

- sign -3.331+/-2.586 χ^2/NDF: 26.6/29



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8941.588+/-2.073 χ^2/NDF:324103.4/11

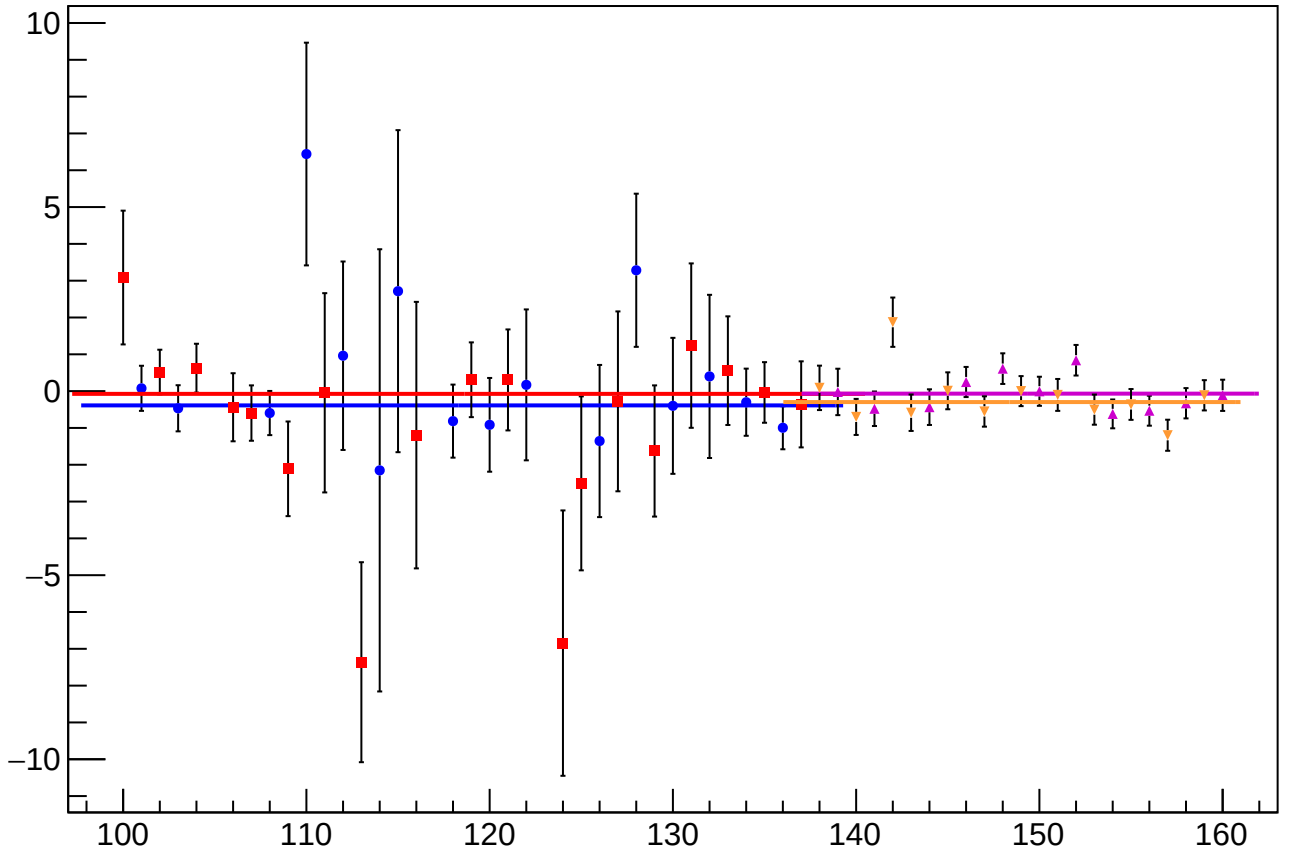
Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

Left In: 9118.985+/-2.104 χ^2/NDF:248984.6/10

+ sign 10017.555+/-1.794 χ^2/NDF: 2073590.6/27

All: 10164.699+/-1.281 χ^2/NDF: 4160487.2/5

- sign 10317.540+/-1.829 χ^2/NDF: 2073185.5/29



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.297+/-0.132 χ^2/NDF:18.5/11

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

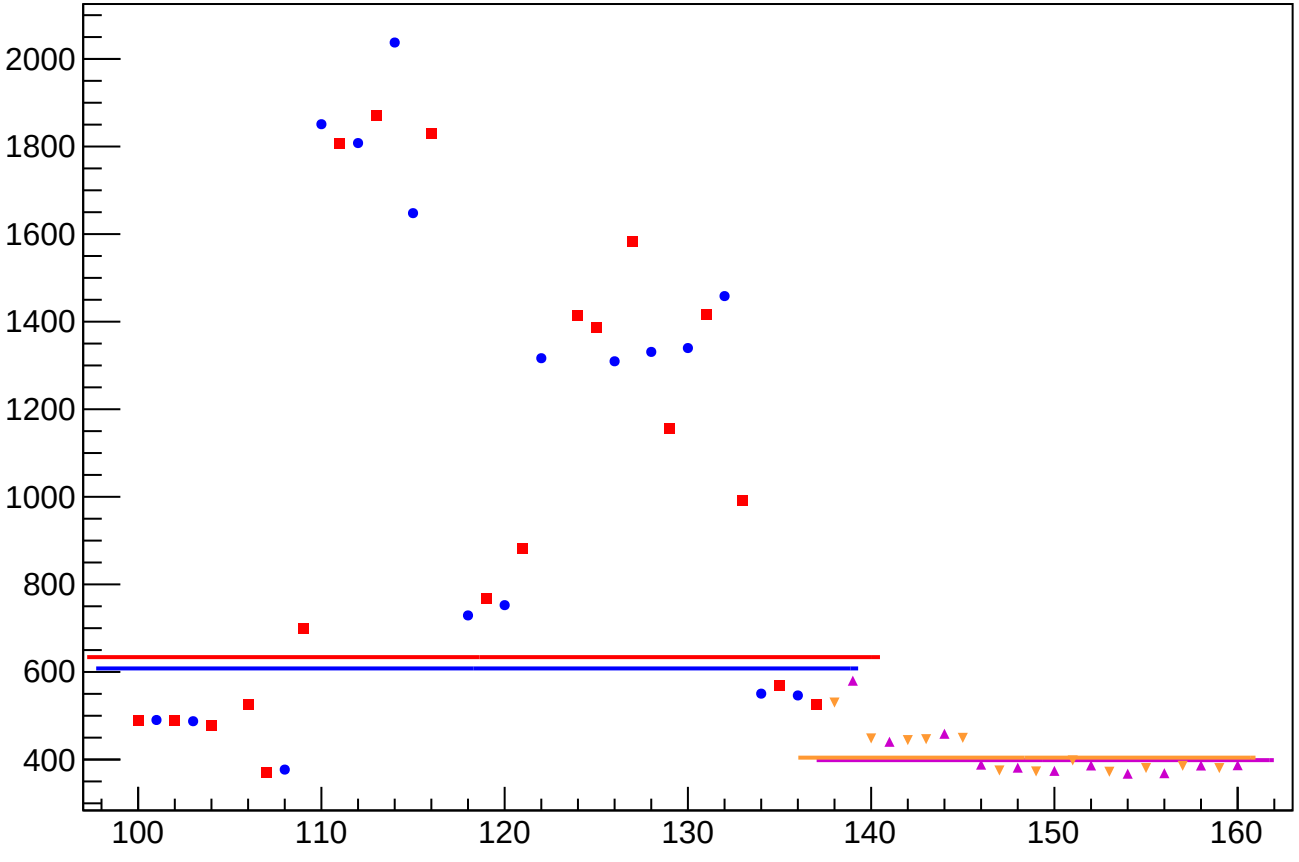
Left In: -0.069+/-0.130 χ^2/NDF:13.1/10

+ sign -0.316+/-0.117 χ^2/NDF: 30.2/27

All: -0.192+/-0.083 χ^2/NDF: 67.2/57

- 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: 404.324+/-0.093 χ^2/NDF:192771.2/11

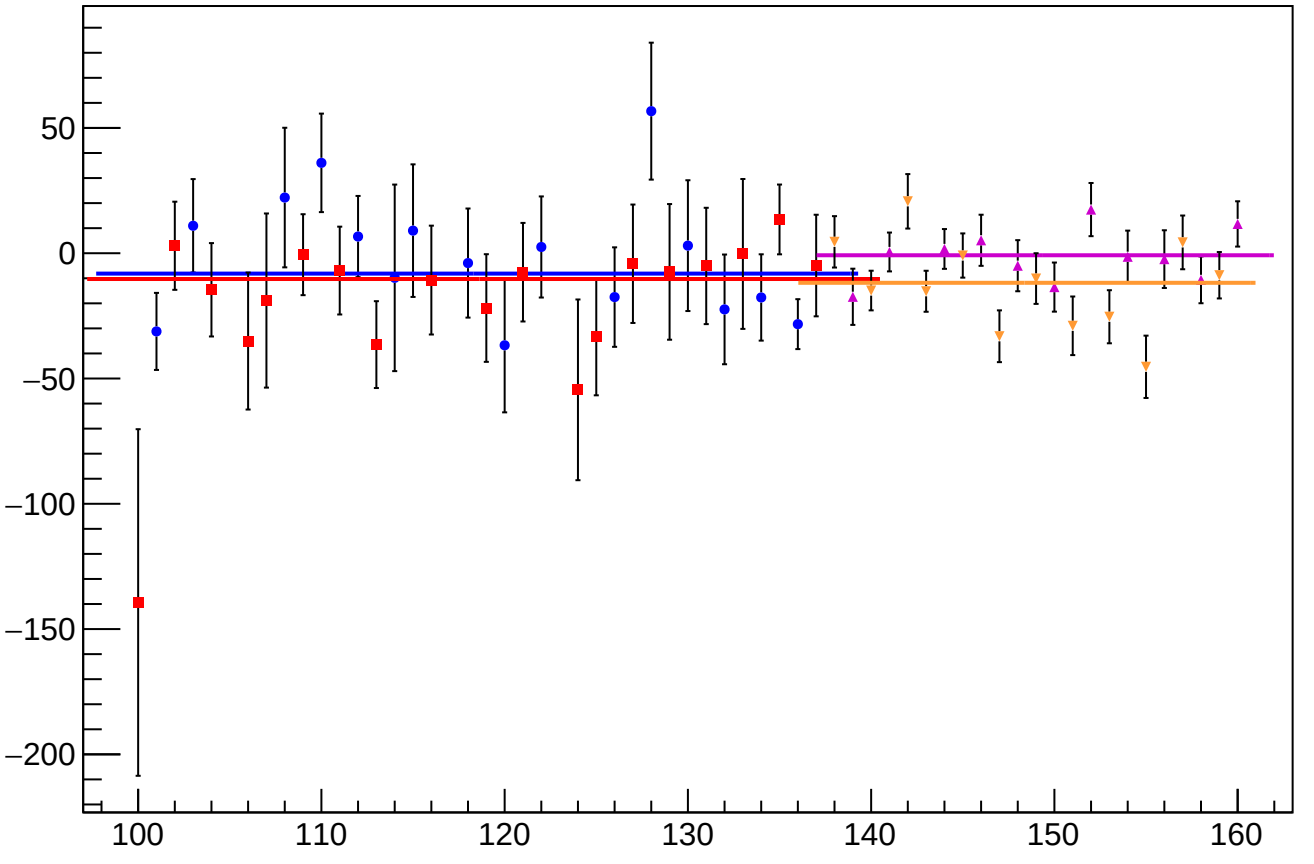
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 398.627+/-0.092 χ^2/NDF:252938.1/10

+ sign 447.056+/-0.083 χ^2/NDF: 4048907.4/27

All: 445.682+/-0.058 χ^2/NDF: 8365531.4/57

- sign 444.320+/-0.082 χ^2/NDF: 4316075.8/29



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -11.803+/-2.841 χ^2/NDF:31.0/11

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

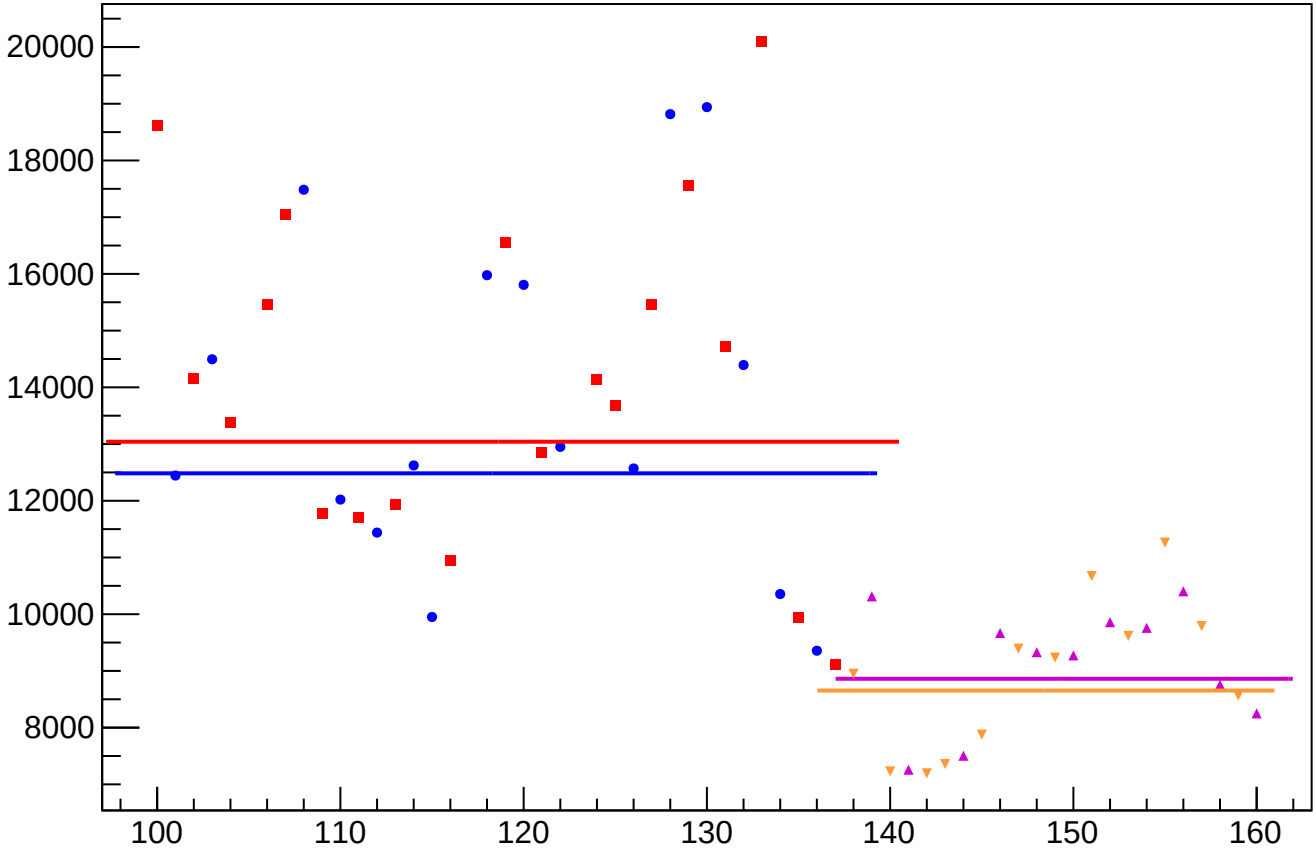
Left In: -0.812+/-2.894 χ^2/NDF:10.5/10

+ sign -10.845+/-2.442 χ^2/NDF: 54.6/27

All: -7.134+/-1.743 χ^2/NDF: 86.3/57

- 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: 8653.905+/-2.009 χ^2/NDF:371969.2/11

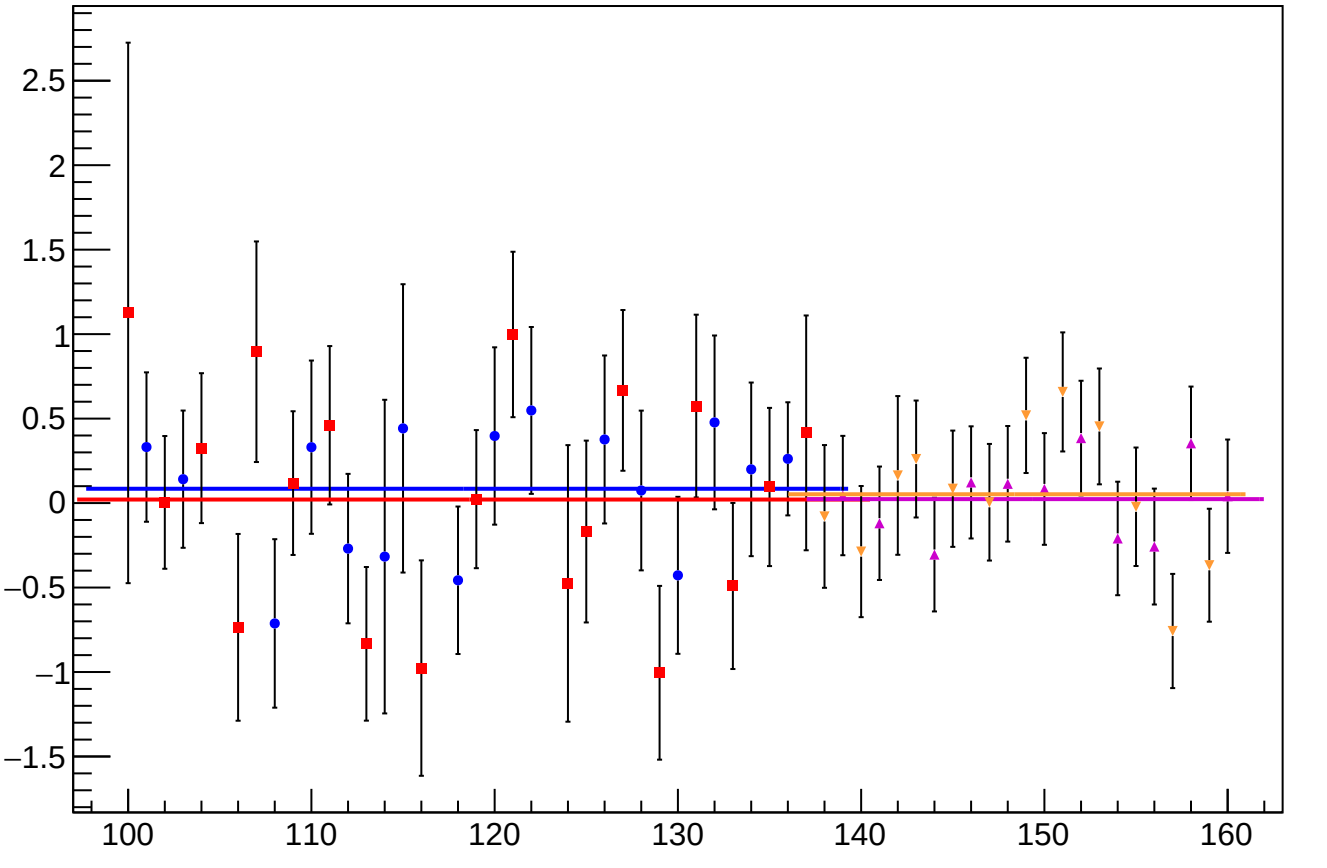
Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8861.641+/-2.046 χ^2/NDF:275459.3/10

+ sign 9653.818+/-1.727 χ^2/NDF: 1992716.3/27

All: 9799.694+/-1.232 χ^2/NDF: 3914818.8/57

- sign 9951.153+/-1.759 χ^2/NDF: 1907554.2/29



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.052+/-0.104 χ^2/NDF:14.9/11

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

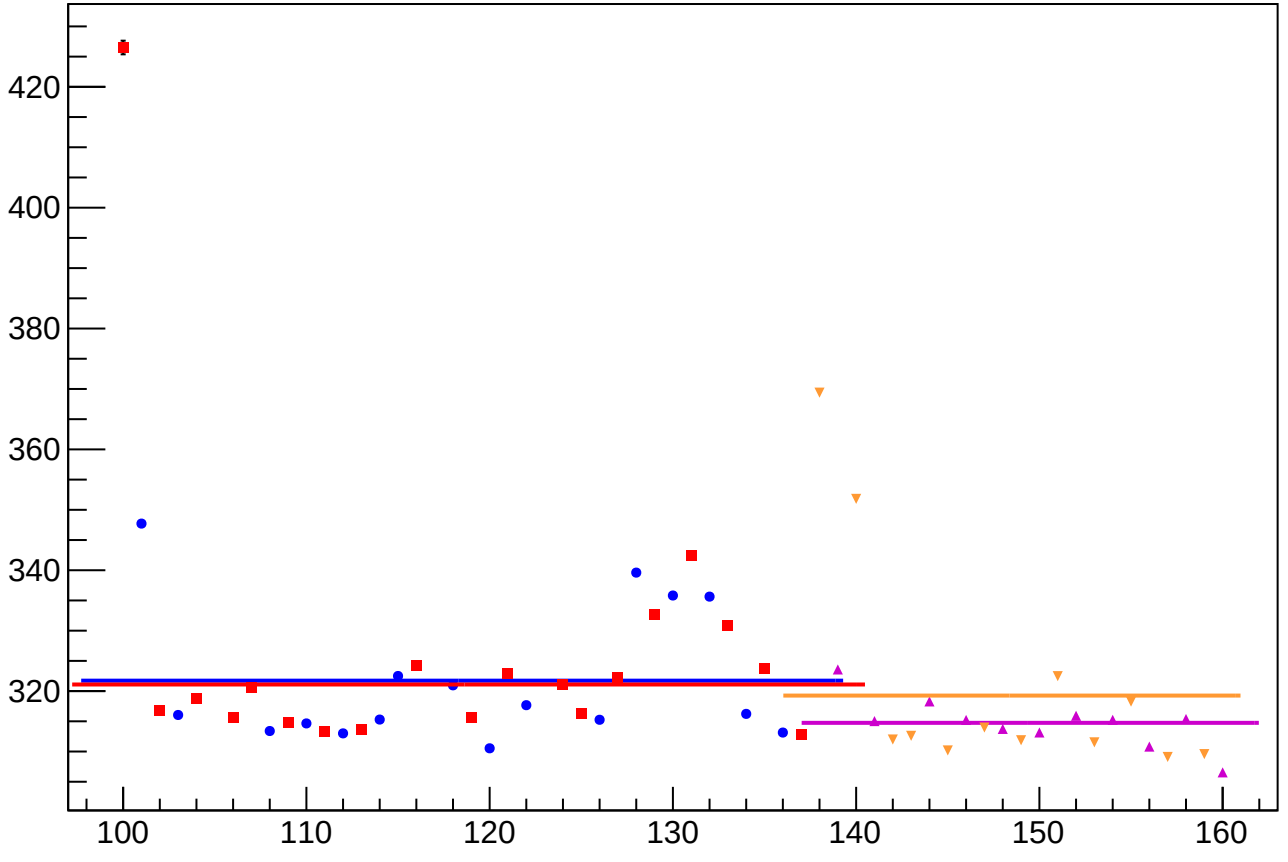
Left In: 0.023+/-0.102 χ^2/NDF:4.6/10

+ sign 0.066+/-0.079 χ^2/NDF: 24.3/27

All: 0.044+/-0.055 χ^2/NDF: 53.3/57

- 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: 319.259+/-0.073 χ^2/NDF:50933.5/11

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

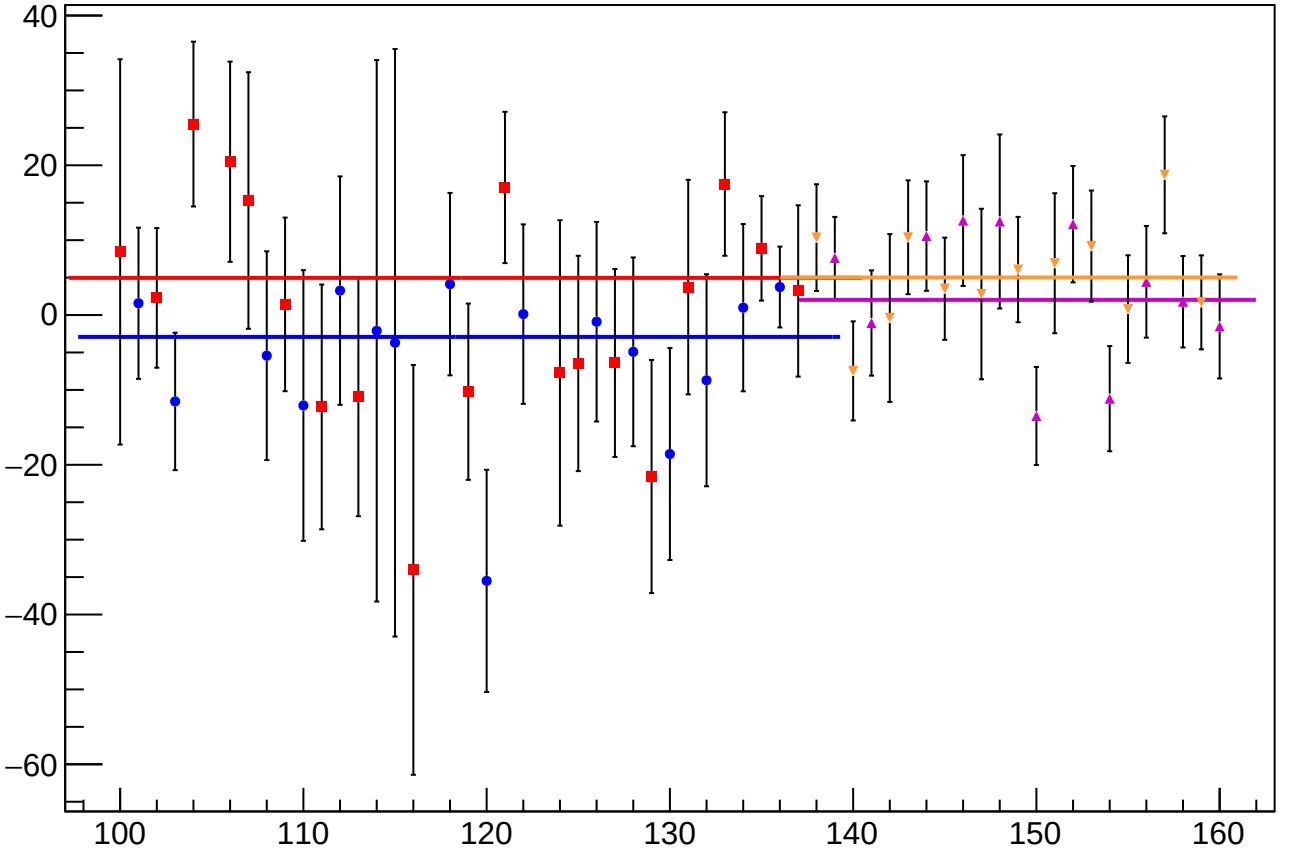
Left In: 314.747+/-0.072 χ^2/NDF:3034.1/10

+ sign 320.313+/-0.056 χ^2/NDF: 69631.9/27

All: 318.864+/-0.039 χ^2/NDF: 93910.3/57

- 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: 5.010+/-2.193 χ^2/NDF:9.0/11

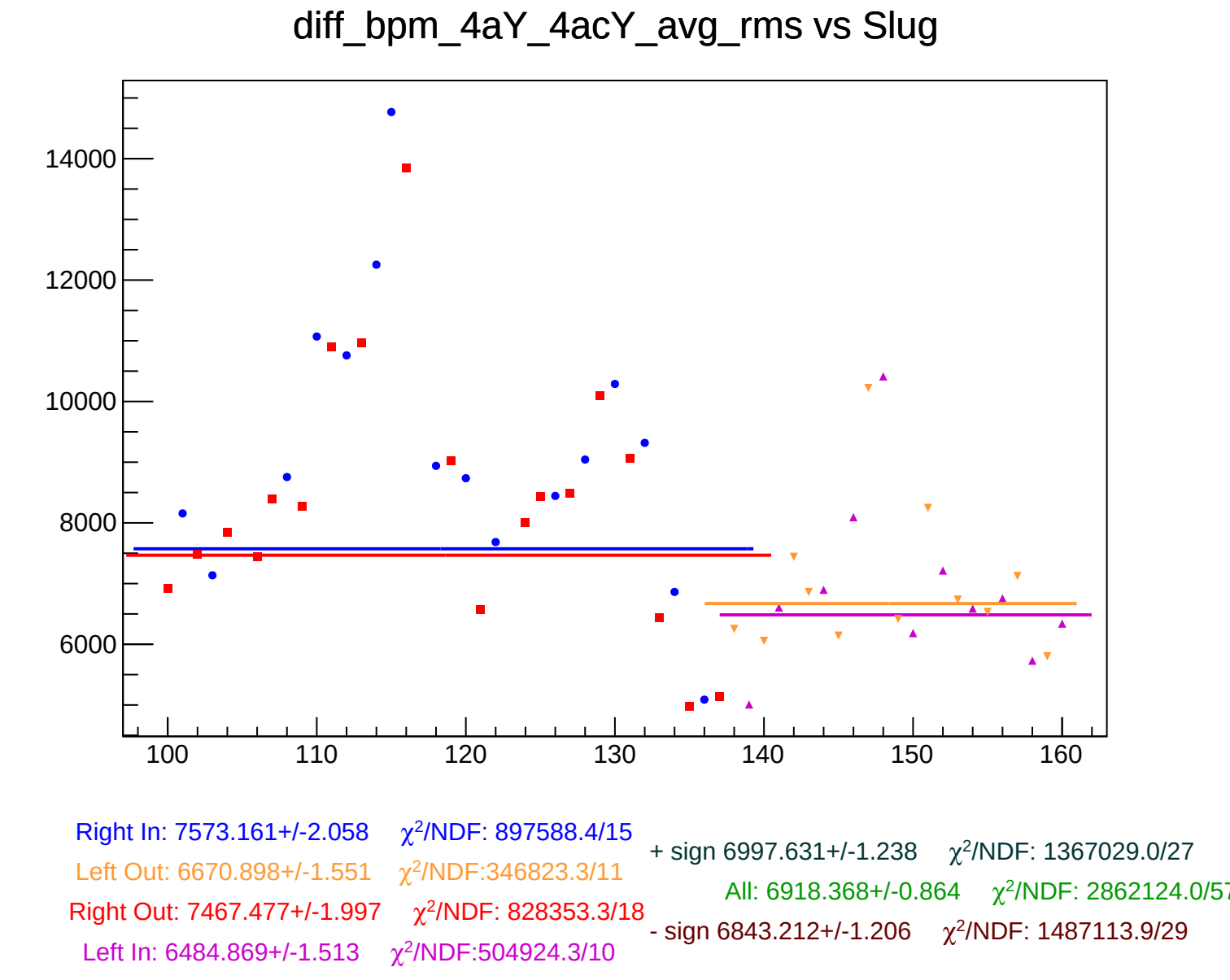
Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: 2.029+/-2.140 χ^2/NDF:16.1/10

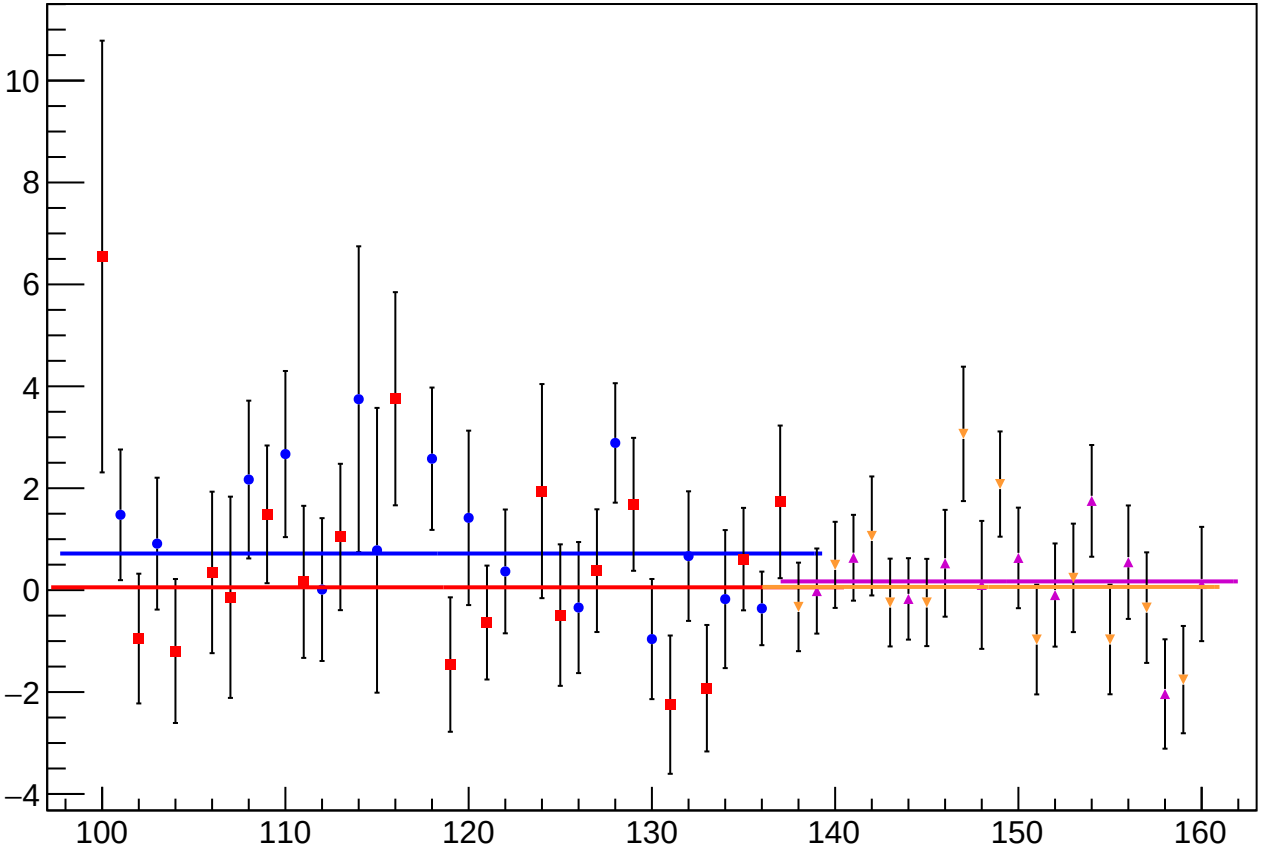
+ sign 2.138+/-1.751 χ^2/NDF: 23.6/27

All: 2.632+/-1.222 χ^2/NDF: 59.9/57

- sign 3.100+/-1.705 χ^2/NDF: 36.2/29


diff_bpm_4aY_4acY_avg_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6670.898+/-1.551 χ²/NDF:346823.3/11
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6484.869+/-1.513 χ²/NDF:504924.3/10
+ sign 6997.631+/-1.238 χ²/NDF: 1367029.0/27
All: 6918.368+/-0.864 χ²/NDF: 2862124.0/57
- sign 6843.212+/-1.206 χ²/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: 0.063+/-0.288 χ^2/NDF:15.5/11

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

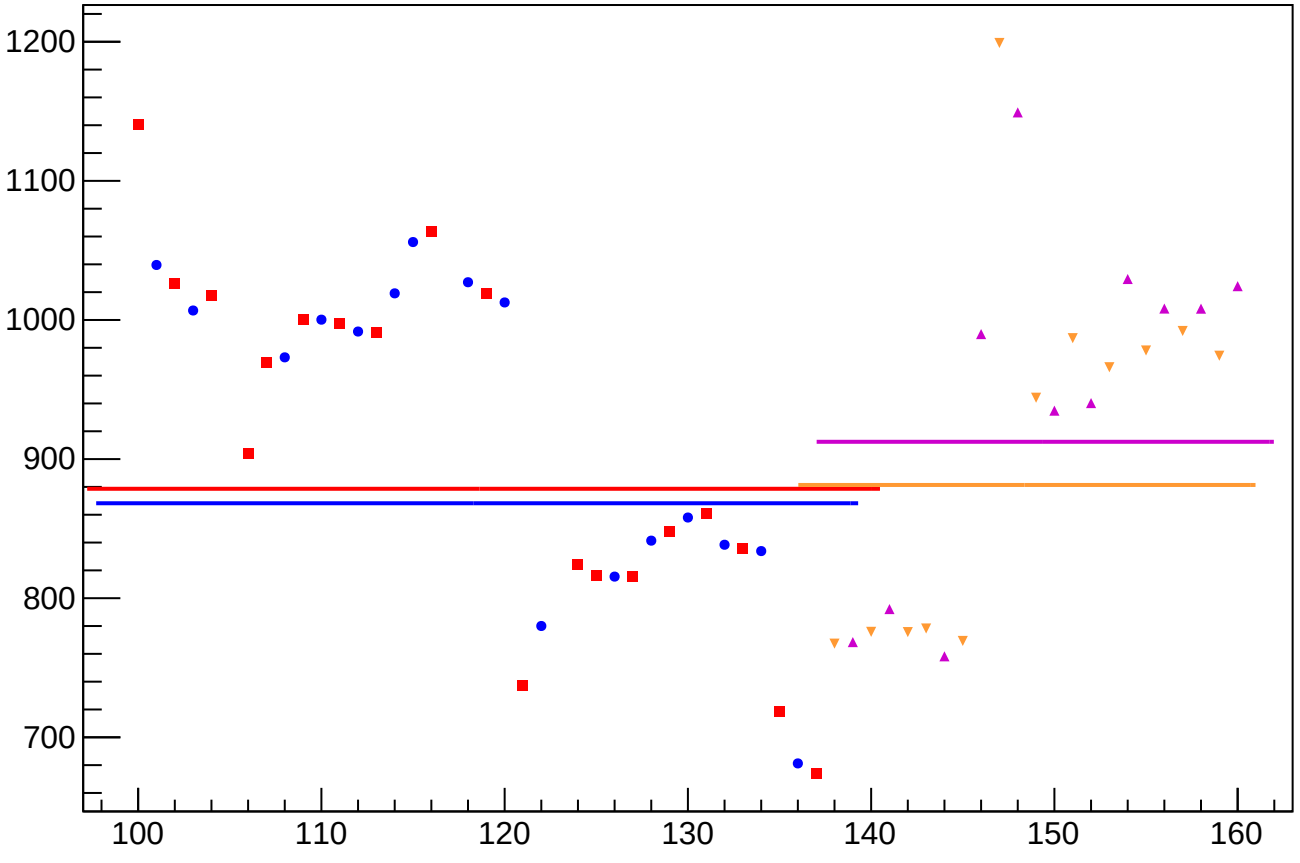
Left In: 0.171+/-0.298 χ^2/NDF:7.4/10

+ sign 0.351+/-0.216 χ^2/NDF: 32.5/27

All: 0.236+/-0.154 χ^2/NDF: 60.3/57

- 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: 881.402+/-0.204 χ^2/NDF:353021.0/11

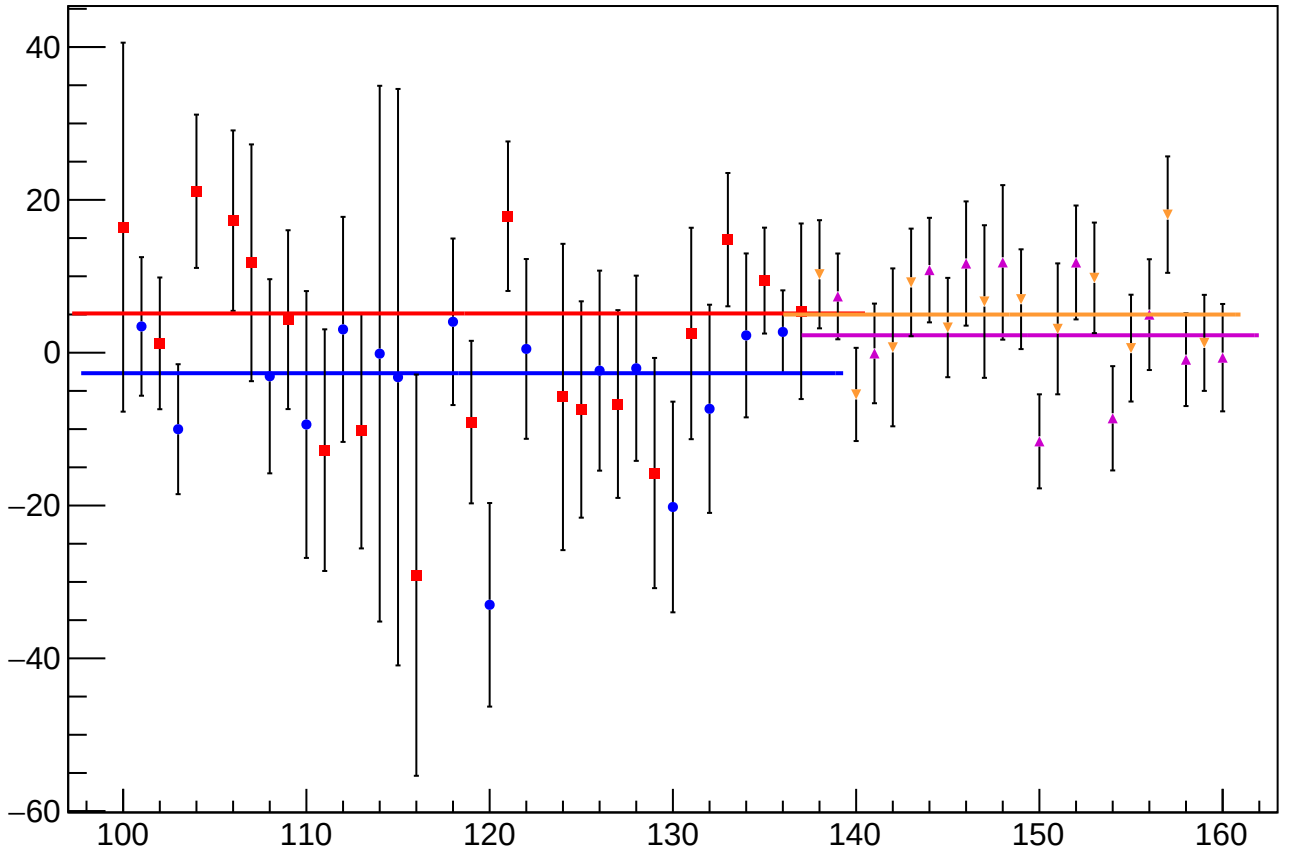
Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 912.435+/-0.211 χ^2/NDF:332707.7/10

+ sign 875.634+/-0.153 χ^2/NDF: 657258.1/27

All: 886.117+/-0.109 χ^2/NDF: 1283875.4/57

- 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: 4.995+/-2.088 χ^2/NDF:8.4/11

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

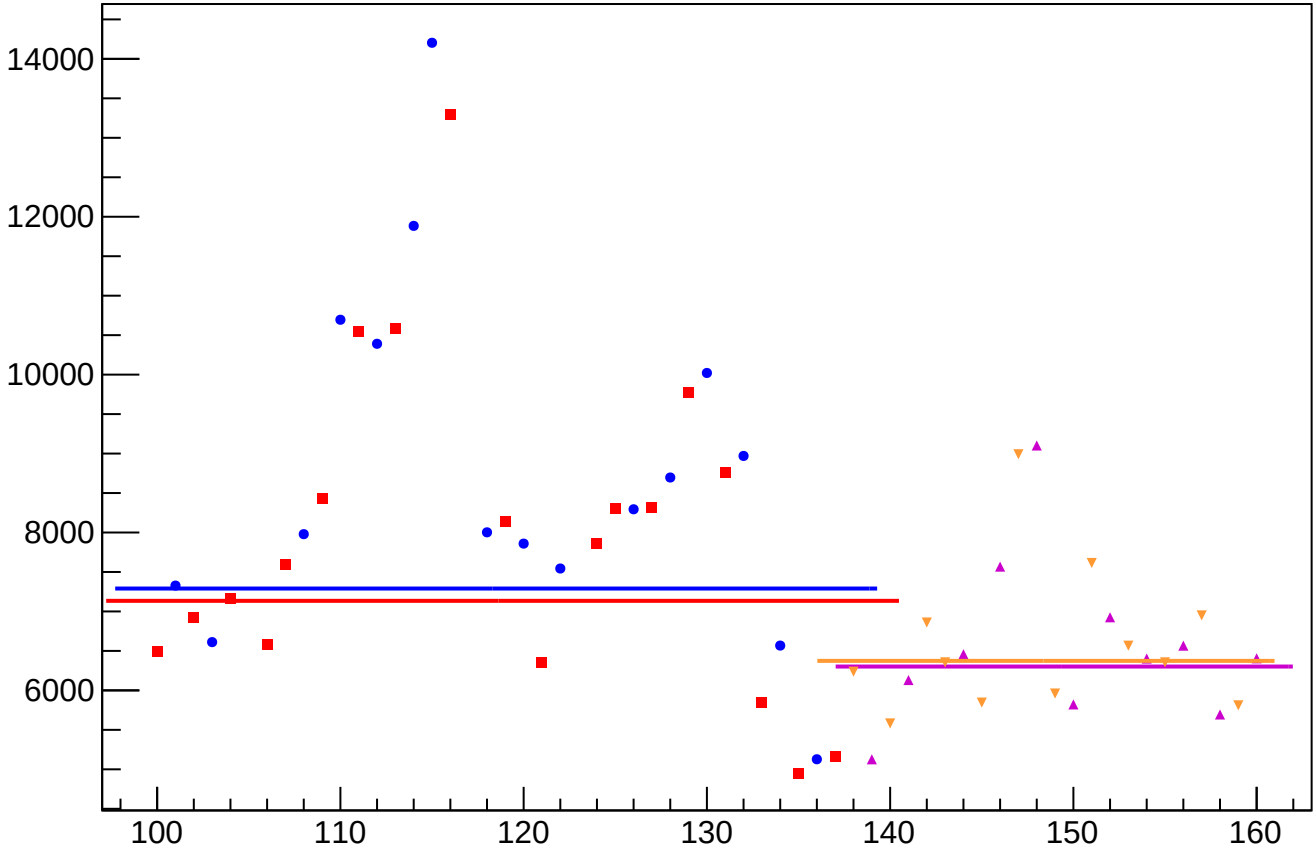
Left In: 2.282+/-2.068 χ^2/NDF:14.6/10

+ sign 2.236+/-1.671 χ^2/NDF: 23.3/27

All: 2.799+/-1.171 χ^2/NDF: 56.1/57

- 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: 6373.853+/-1.477 χ^2/NDF:268421.5/11

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

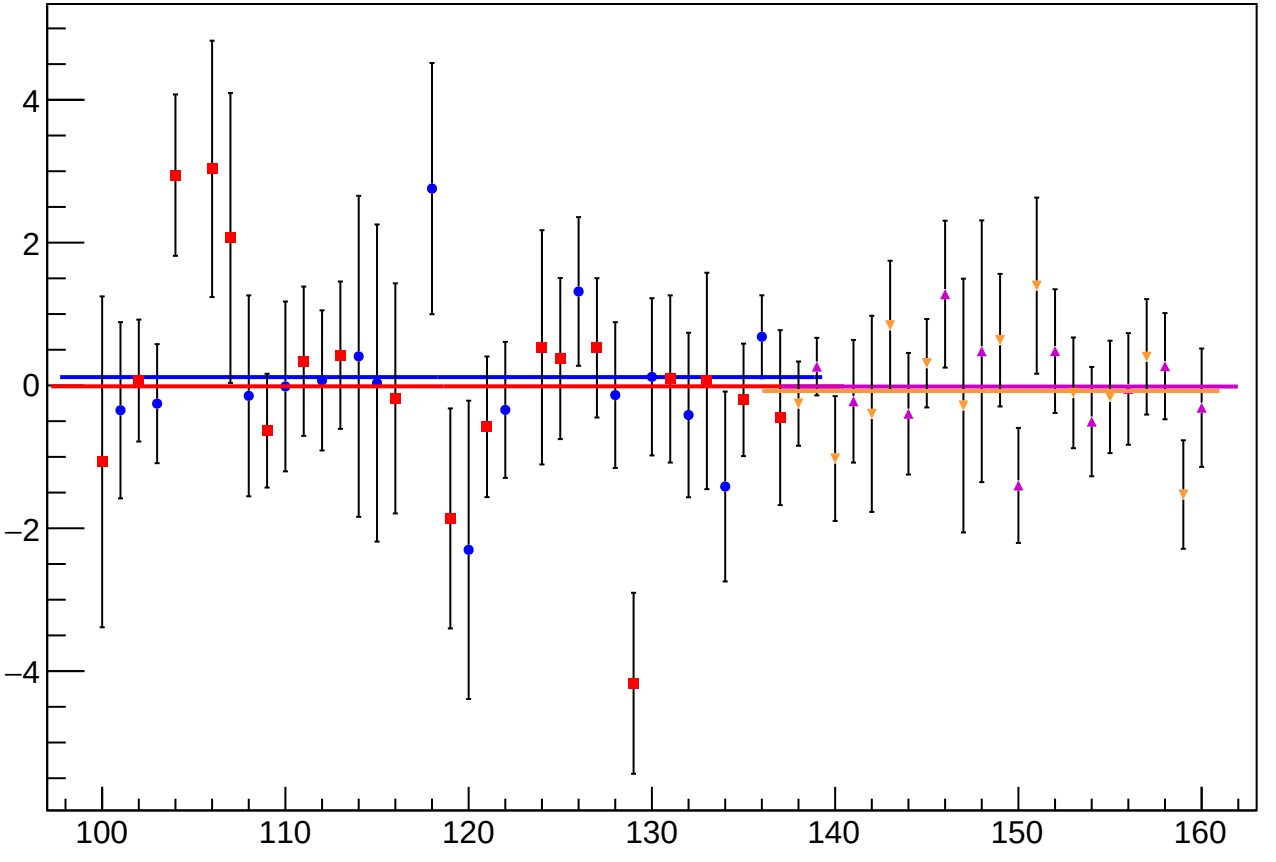
Left In: 6302.004+/-1.462 χ^2/NDF:341692.1/10

+ sign 6703.165+/-1.182 χ^2/NDF: 1177349.5/27

All: 6656.172+/-0.828 χ^2/NDF: 2435198.1/57

- 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: -0.078+/-0.241 χ^2/NDF:8.8/11

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

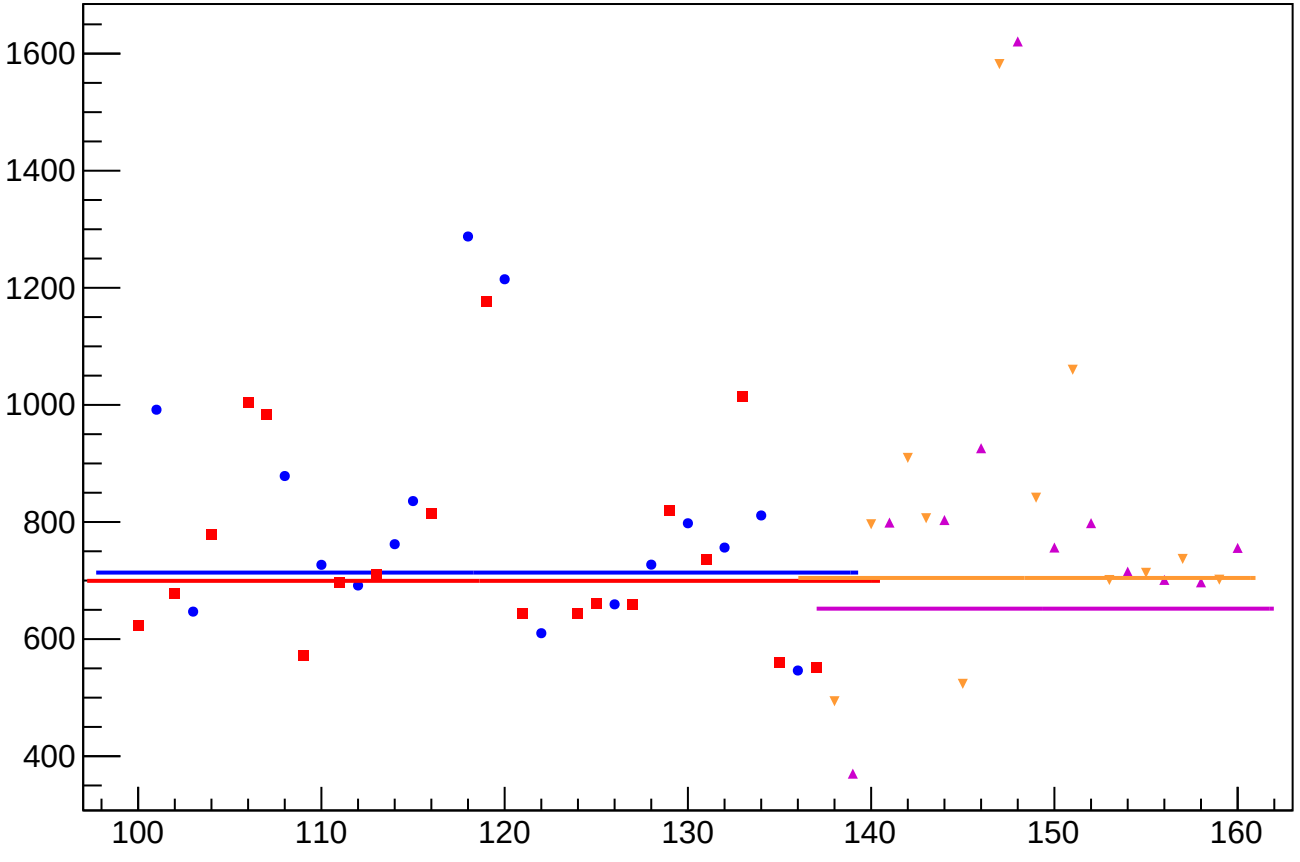
Left In: -0.015+/-0.226 χ^2/NDF:6.4/10

+ sign 0.007+/-0.181 χ^2/NDF: 17.2/27

All: -0.004+/-0.124 χ^2/NDF: 48.7/57

- 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: 704.436+/-0.170 χ^2/NDF:1219107.7/11

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

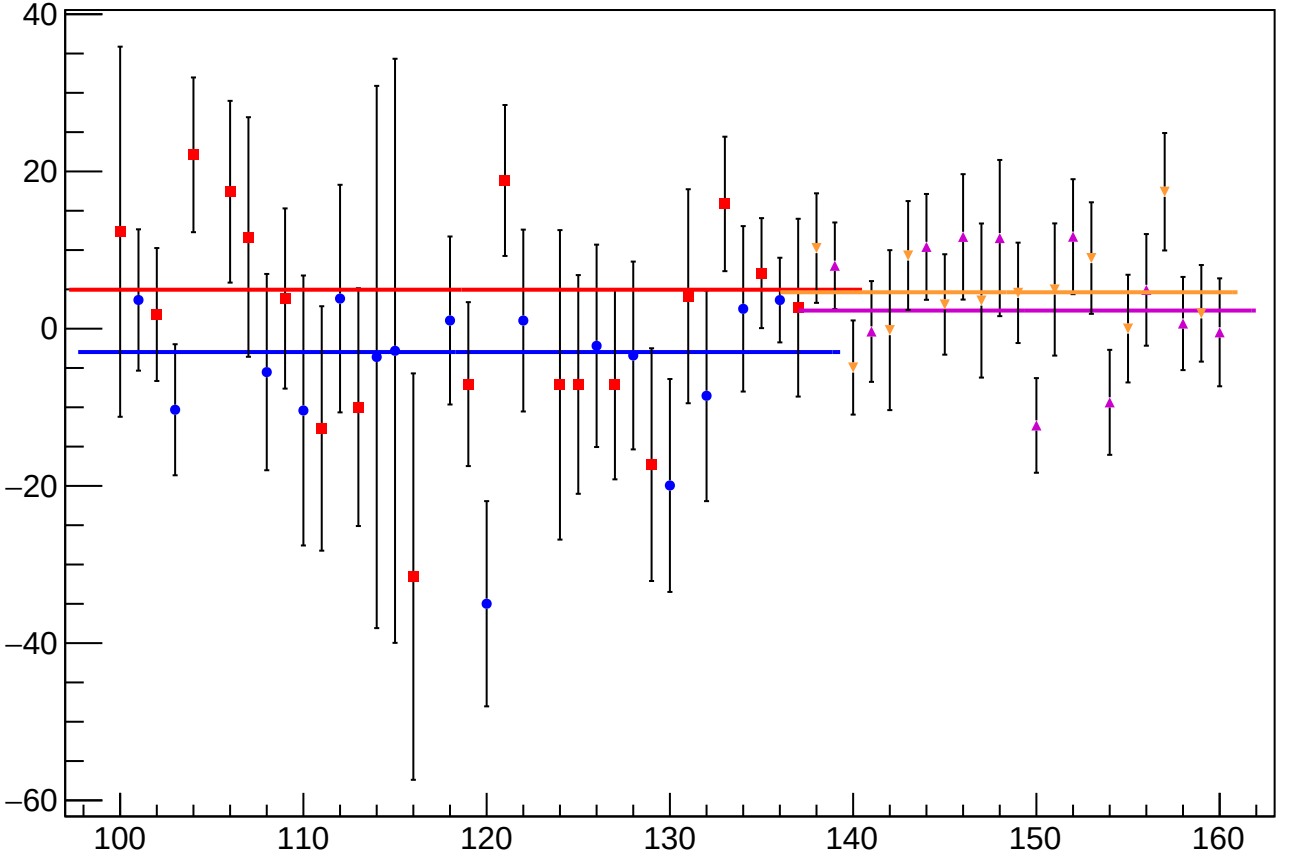
Left In: 651.990+/-0.160 χ^2/NDF:1950114.5/10

+ sign 708.458+/-0.128 χ^2/NDF: 1919685.0/27

All: 689.336+/-0.088 χ^2/NDF: 4525640.6/57

- sign 672.135+/-0.121 χ^2/NDF: 2563413.2/29

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.632+/-2.049 χ^2/NDF:7.9/11

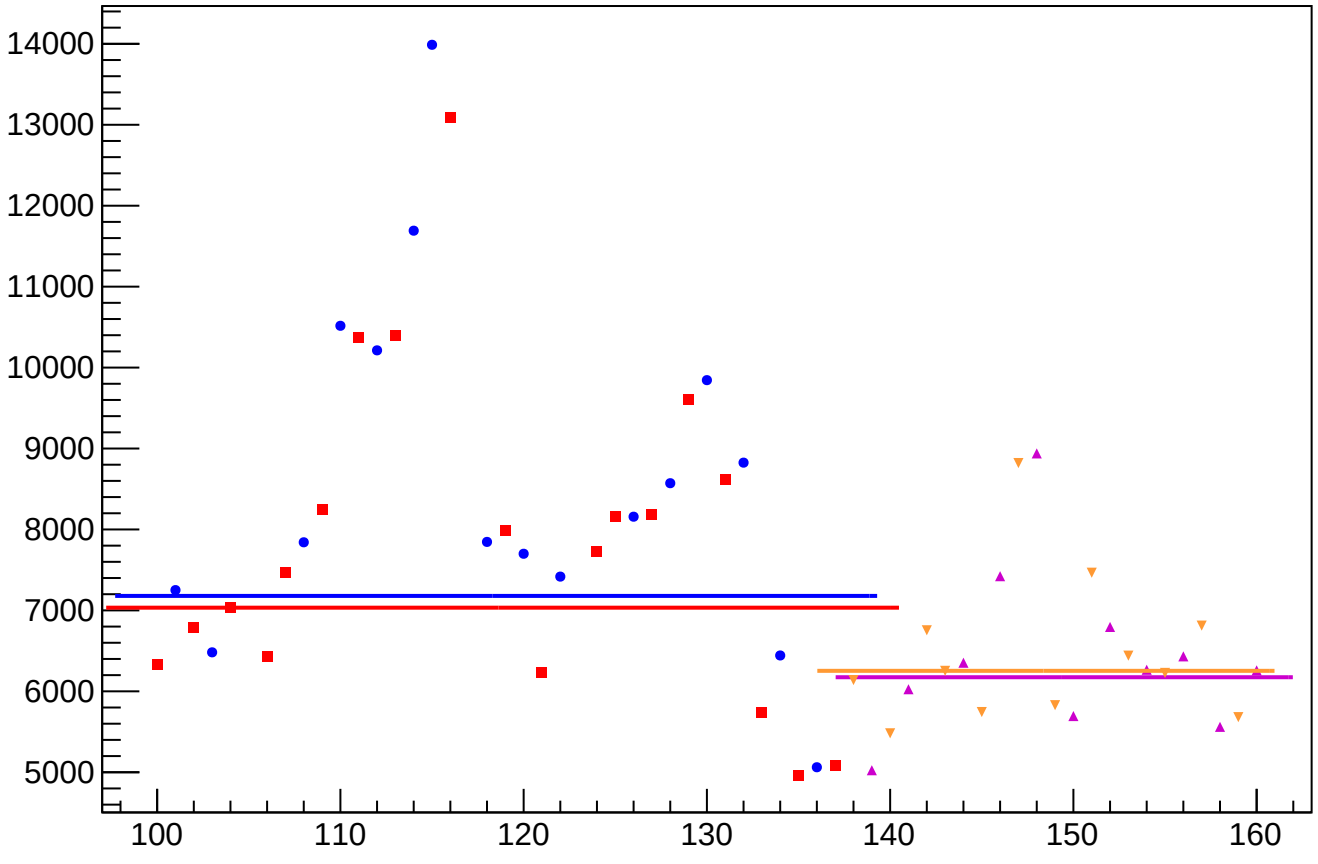
Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: 2.305+/-2.026 χ^2/NDF:15.9/10

+ sign 1.912+/-1.642 χ^2/NDF: 24.4/27

All: 2.610+/-1.150 χ^2/NDF: 59.8/57

- sign 3.282+/-1.610 χ^2/NDF: 35.0/29



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6253.229+/-1.449 χ^2/NDF:268946.0/11

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

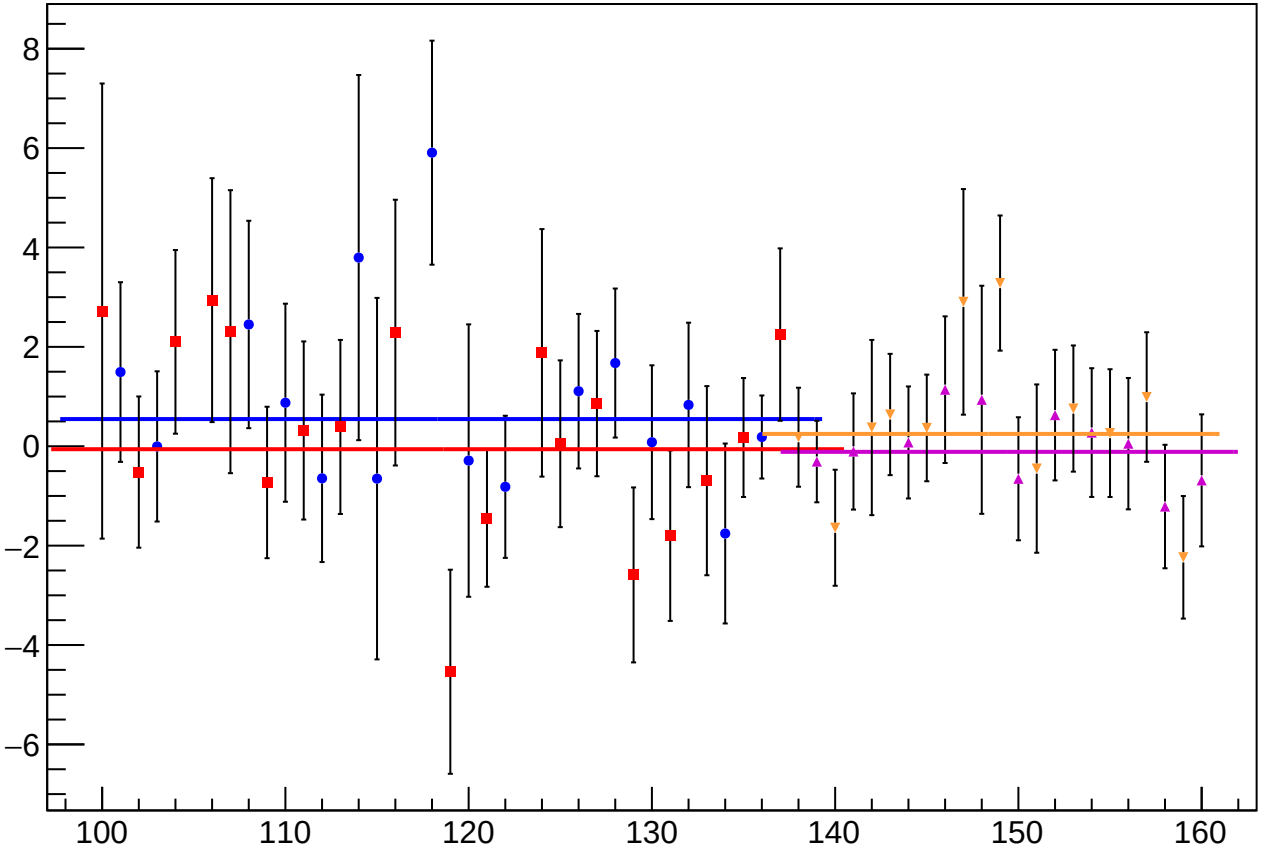
Left In: 6174.107+/-1.433 χ^2/NDF:345461.5/10

+ sign 6584.299+/-1.161 χ^2/NDF: 1176873.0/27

All: 6536.613+/-0.813 χ^2/NDF: 2424566.8/57

- 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: 0.248+/-0.374 χ^2/NDF:13.8/11

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

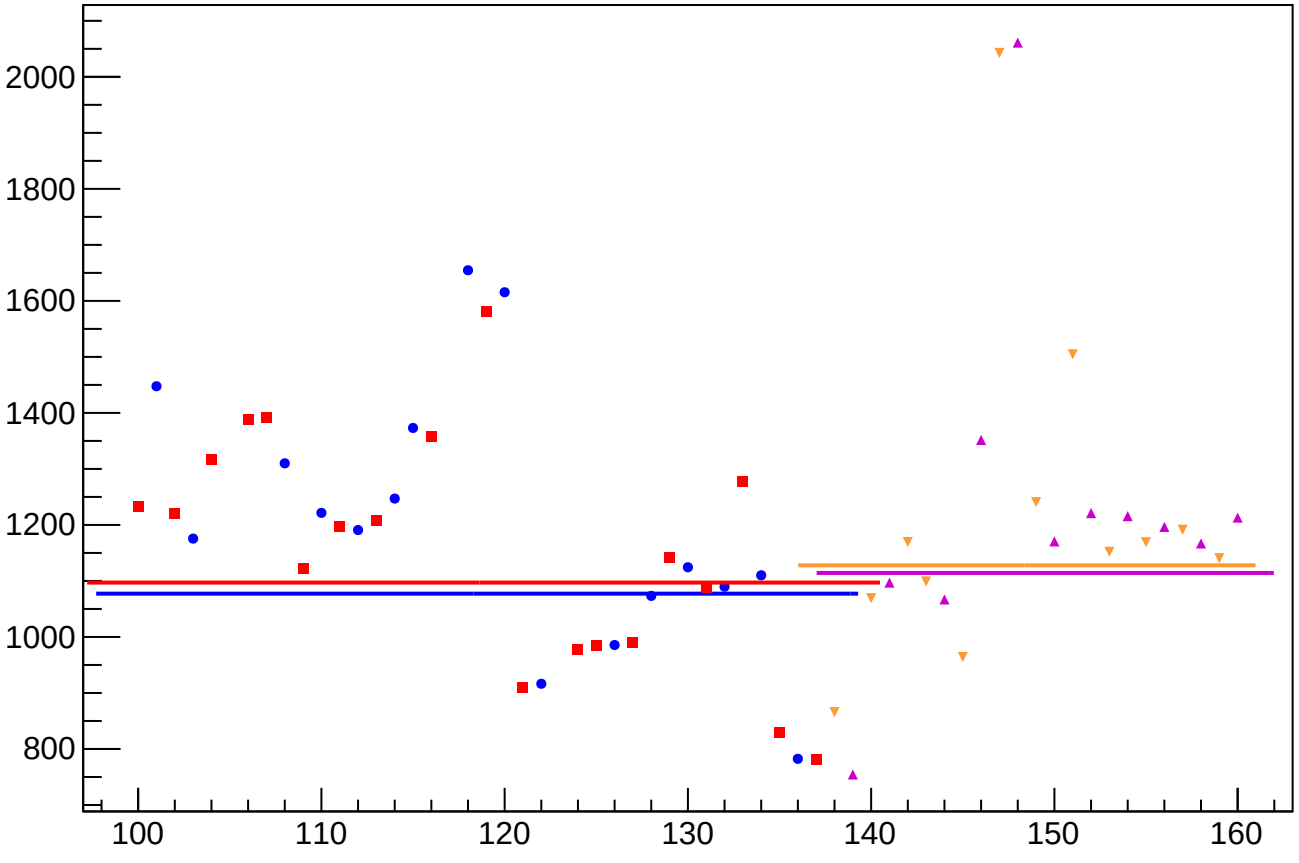
Left In: -0.113+/-0.371 χ^2/NDF:2.6/10

+ sign 0.383+/-0.276 χ^2/NDF: 26.0/27

All: 0.146+/-0.195 χ^2/NDF: 47.0/57

- sign -0.089+/-0.275 χ^2/NDF: 19.5/29

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1127.923+/-0.264 χ^2/NDF:637381.8/11

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

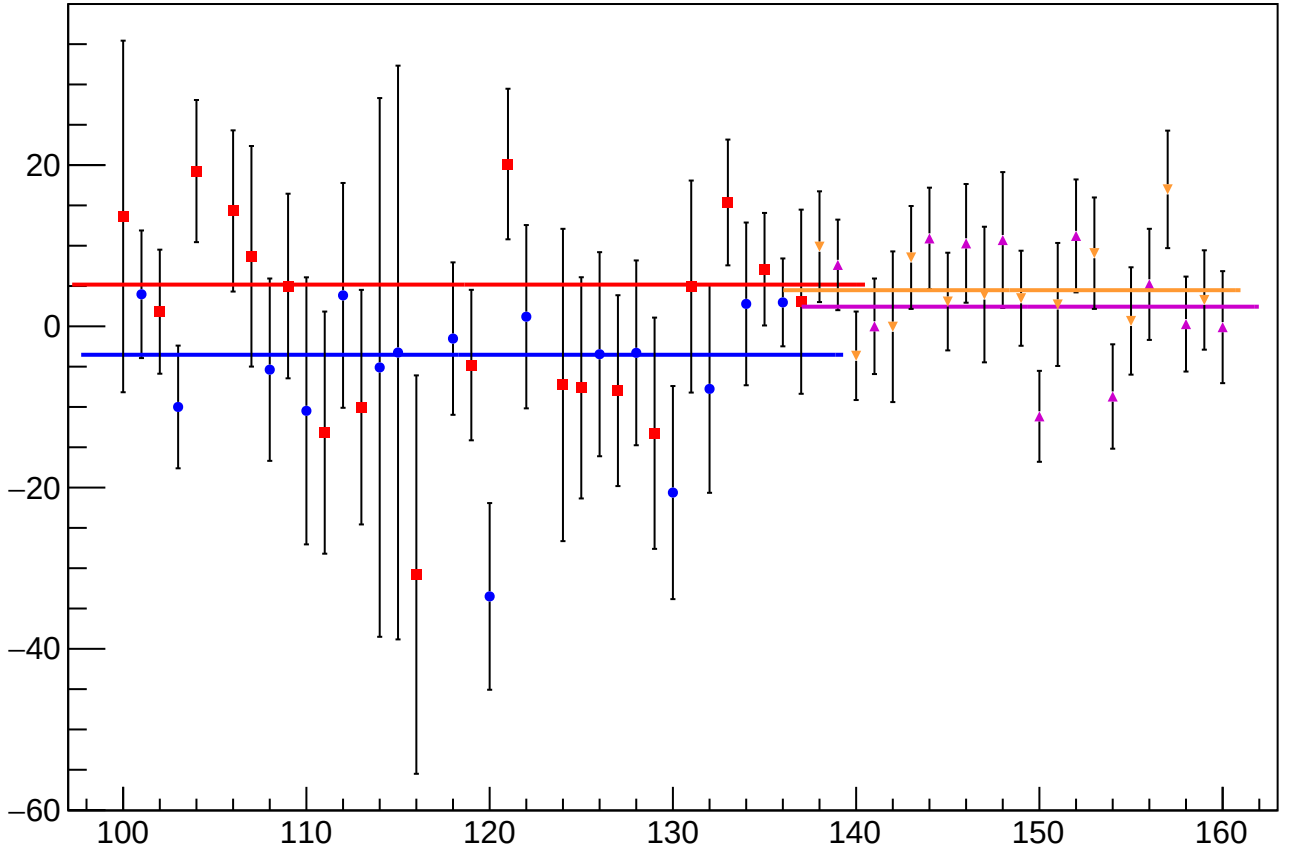
Left In: 1114.287+/-0.262 χ^2/NDF:833211.3/10

+ sign 1105.001+/-0.196 χ^2/NDF: 1300511.5/27

All: 1105.771+/-0.138 χ^2/NDF: 2620061.3/57

- sign 1106.531+/-0.194 χ^2/NDF: 1319519.0/29

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.483+/-1.938 χ^2/NDF:7.3/11

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

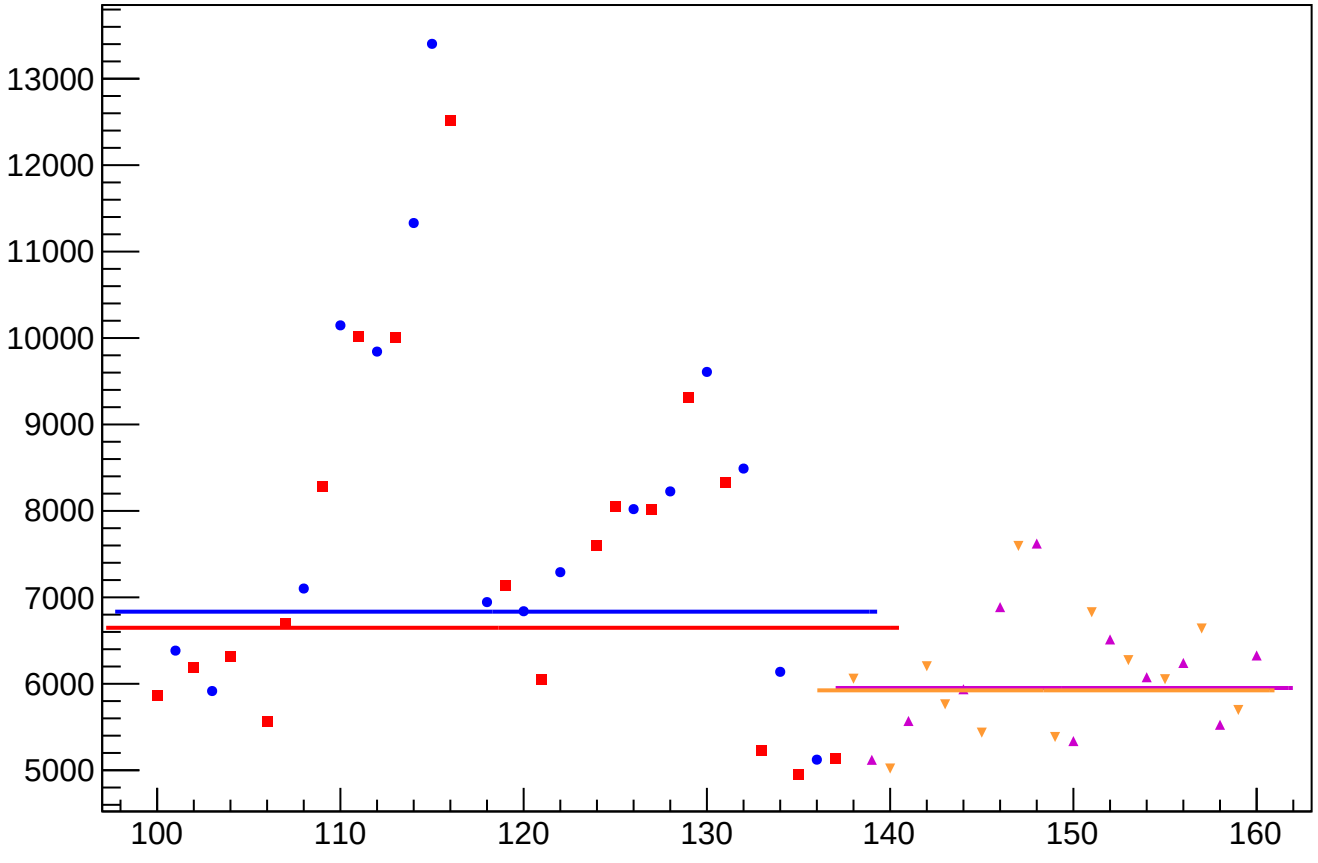
Left In: 2.437+/-1.945 χ^2/NDF:15.7/10

+ sign 1.635+/-1.555 χ^2/NDF: 26.0/27

All: 2.561+/-1.093 χ^2/NDF: 61.4/57

- 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: 5924.288+/-1.370 χ^2/NDF:222757.2/11

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

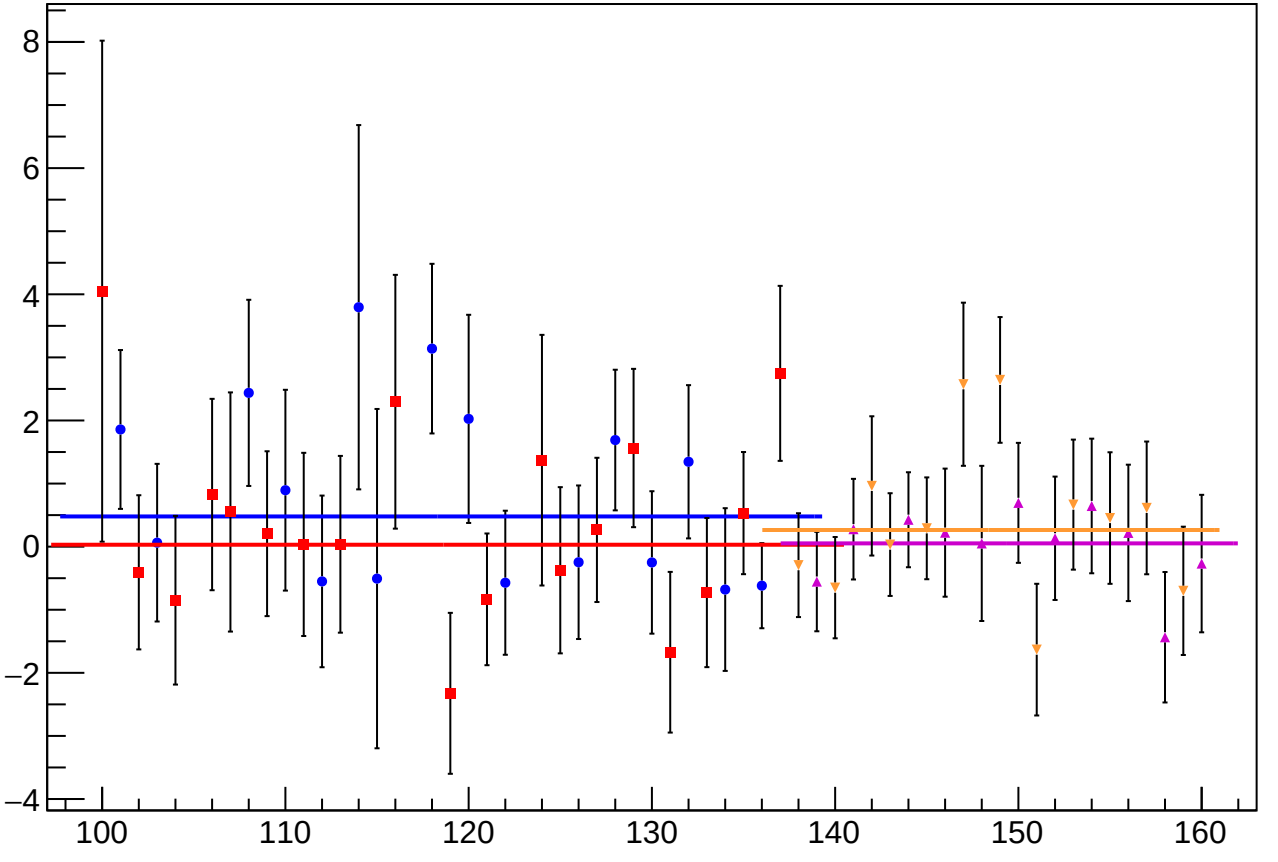
Left In: 5951.513+/-1.376 χ^2/NDF:220197.8/10

+ sign 6247.914+/-1.100 χ^2/NDF: 1072389.9/27

All: 6230.319+/-0.773 χ^2/NDF: 2174502.2/57

- 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: 0.264+/-0.276 χ^2/NDF:15.6/11

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

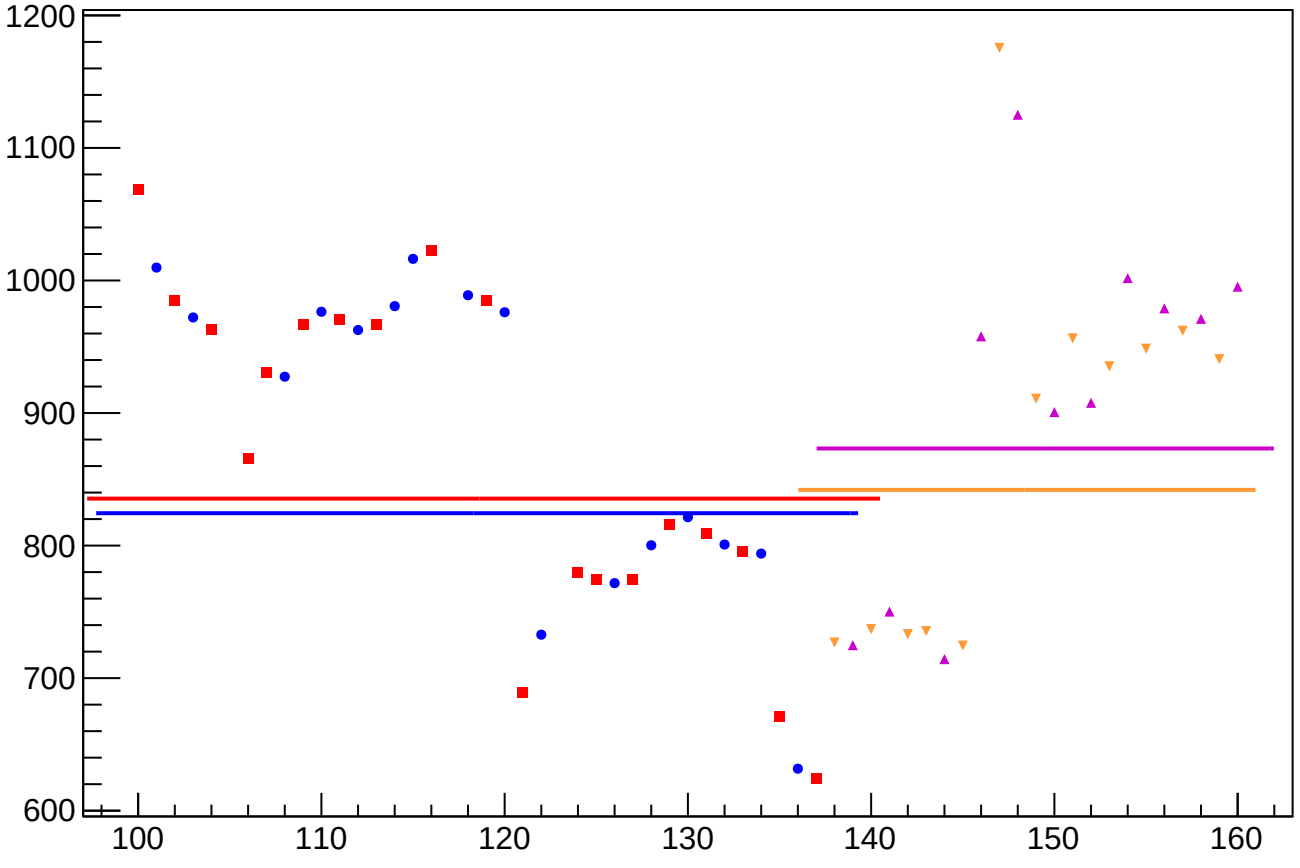
Left In: 0.052+/-0.286 χ^2/NDF:3.9/10

+ sign 0.359+/-0.206 χ^2/NDF: 32.6/27

All: 0.203+/-0.147 χ^2/NDF: 53.4/57

- 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: 842.023+/-0.195 χ^2/NDF:418138.0/11

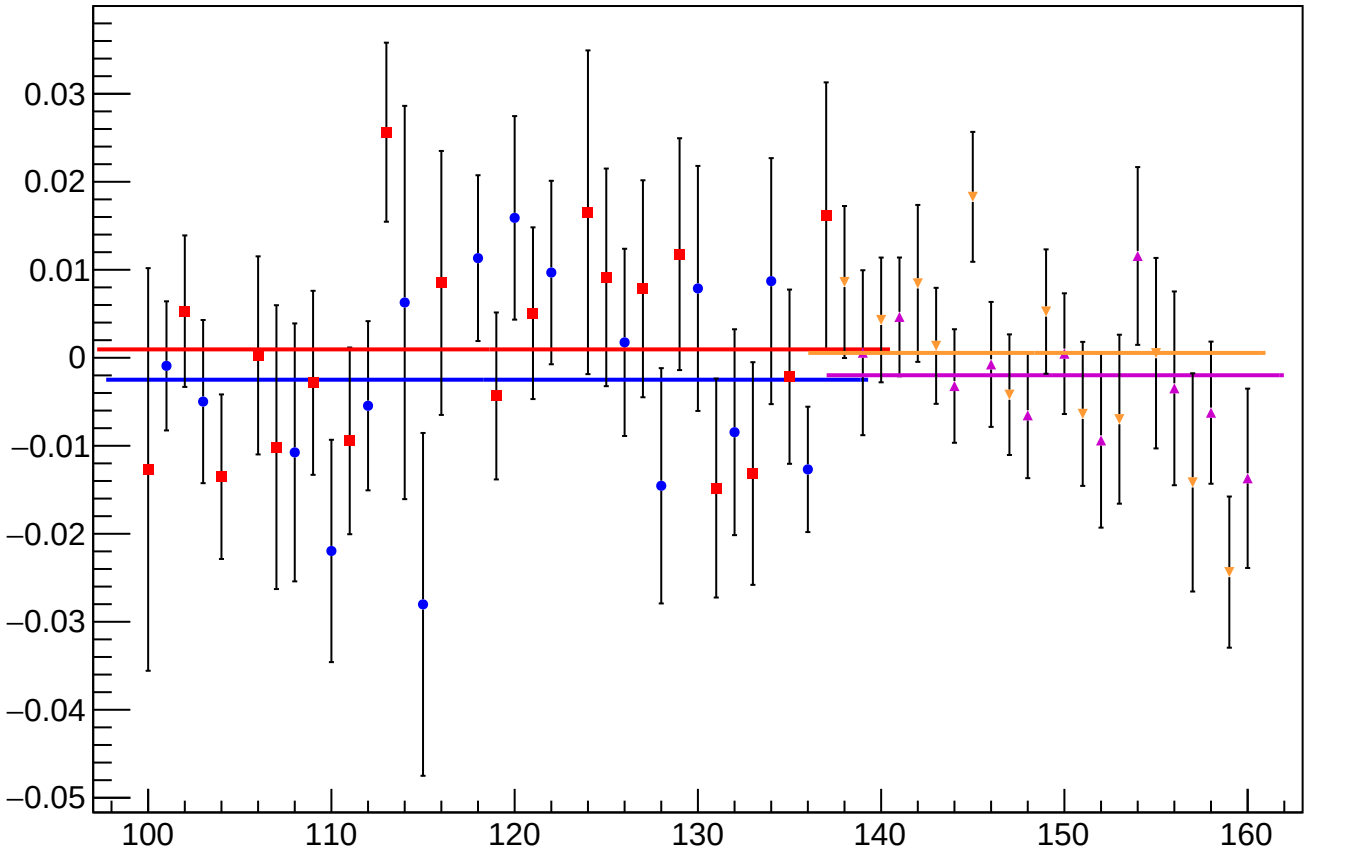
Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 873.270+/-0.202 χ^2/NDF:400764.4/10

+ sign 834.273+/-0.146 χ^2/NDF: 787184.9/27

All: 844.861+/-0.104 χ^2/NDF: 1534149.4/57

- 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: 0.001+/-0.002 χ^2/NDF:19.8/11

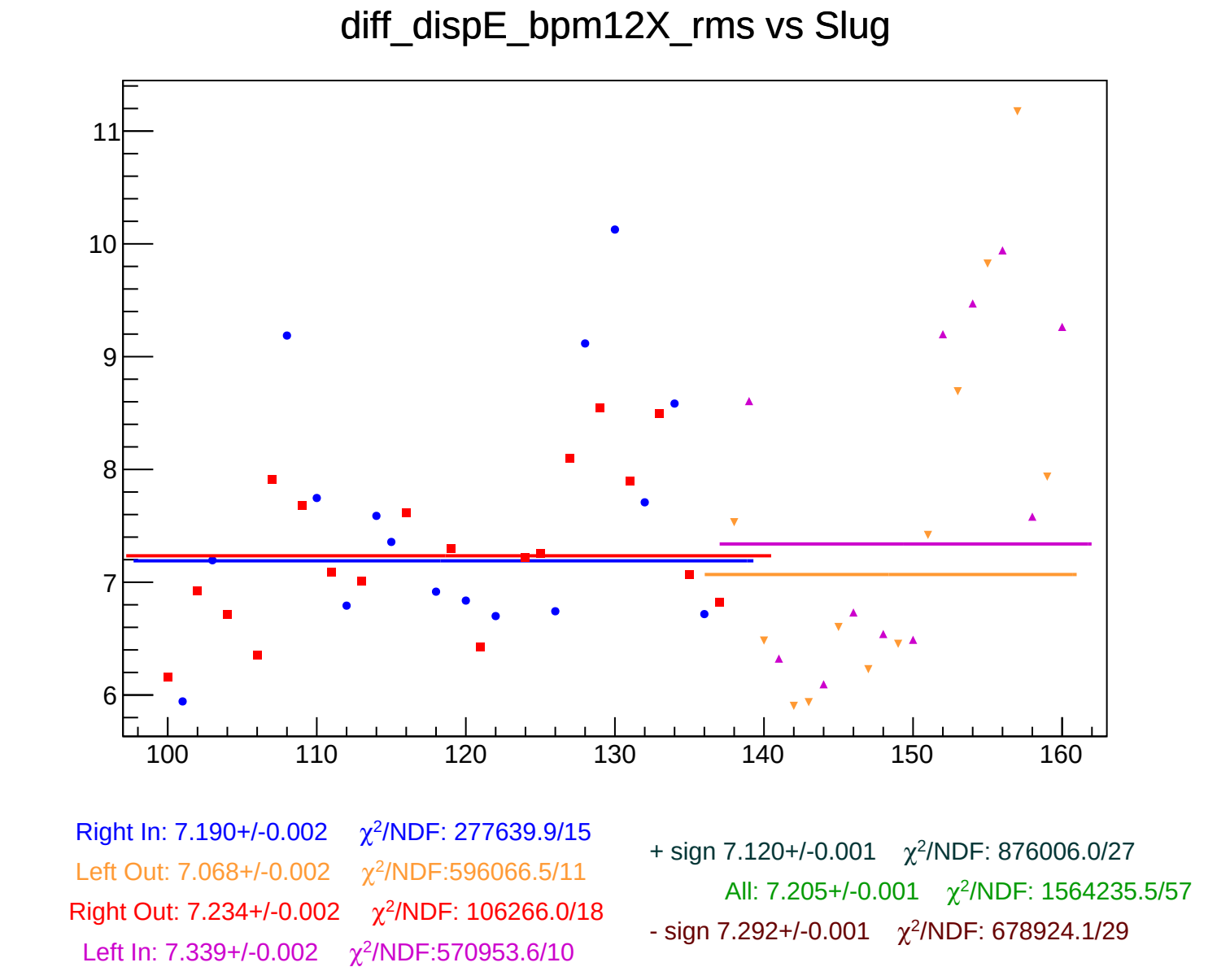
Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

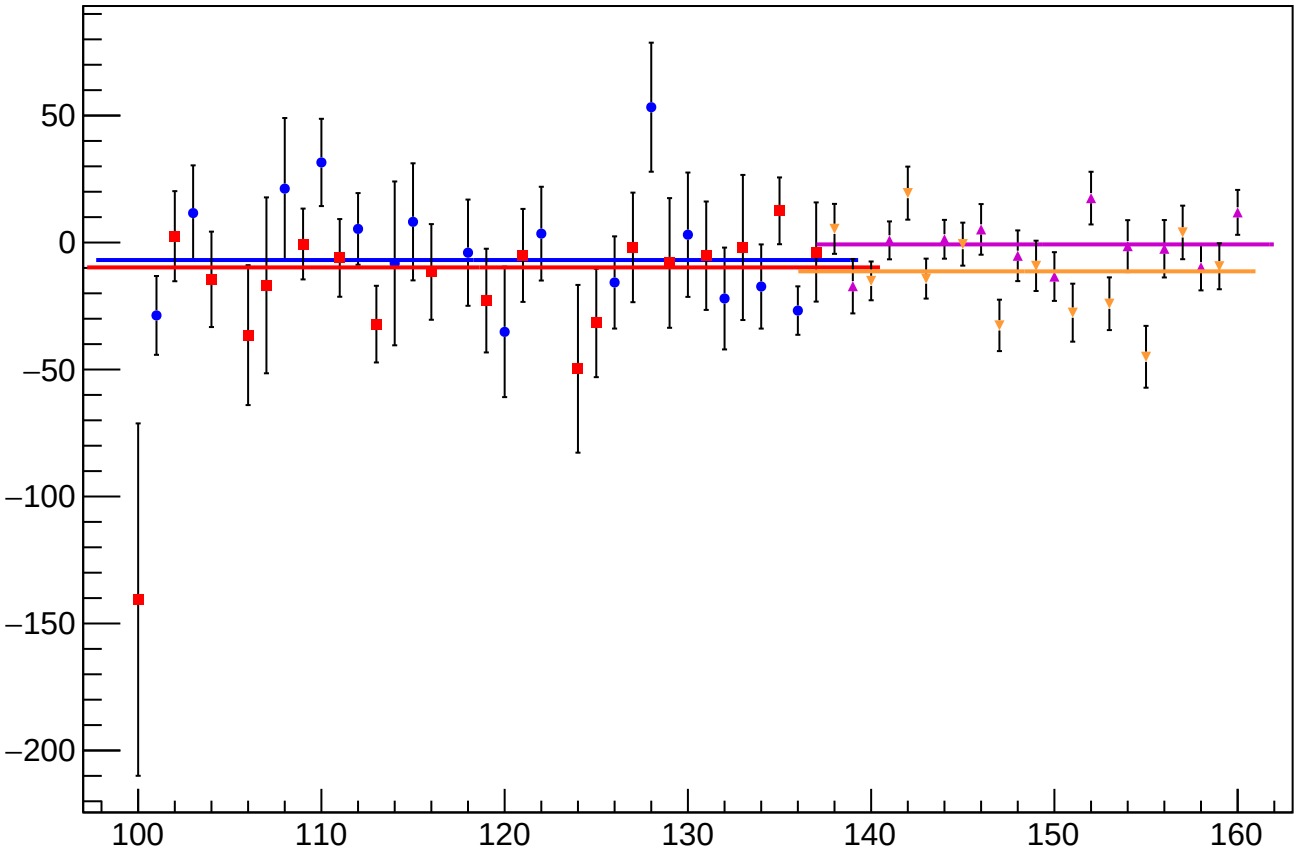
Left In: -0.002+/-0.002 χ^2/NDF:5.6/10

+ sign -0.001+/-0.002 χ^2/NDF: 35.8/27

All: -0.001+/-0.001 χ^2/NDF: 59.4/57

- sign -0.001+/-0.002 χ^2/NDF: 23.6/29


diff_dispE_bpm12X_rms vs Slug
11
10
9
8
7
6
100
110
120
130
140
150
160
Right In: 7.190+/-0.002 χ²/NDF: 277639.9/15
Left Out: 7.068+/-0.002 χ²/NDF:596066.5/11
Right Out: 7.234+/-0.002 χ²/NDF: 106266.0/18
Left In: 7.339+/-0.002 χ²/NDF:570953.6/10
+ sign 7.120+/-0.001 χ²/NDF: 876006.0/27
All: 7.205+/-0.001 χ²/NDF: 1564235.5/57
- sign 7.292+/-0.001 χ²/NDF: 678924.1/29



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -11.340+/-2.756 χ^2/NDF:31.4/11

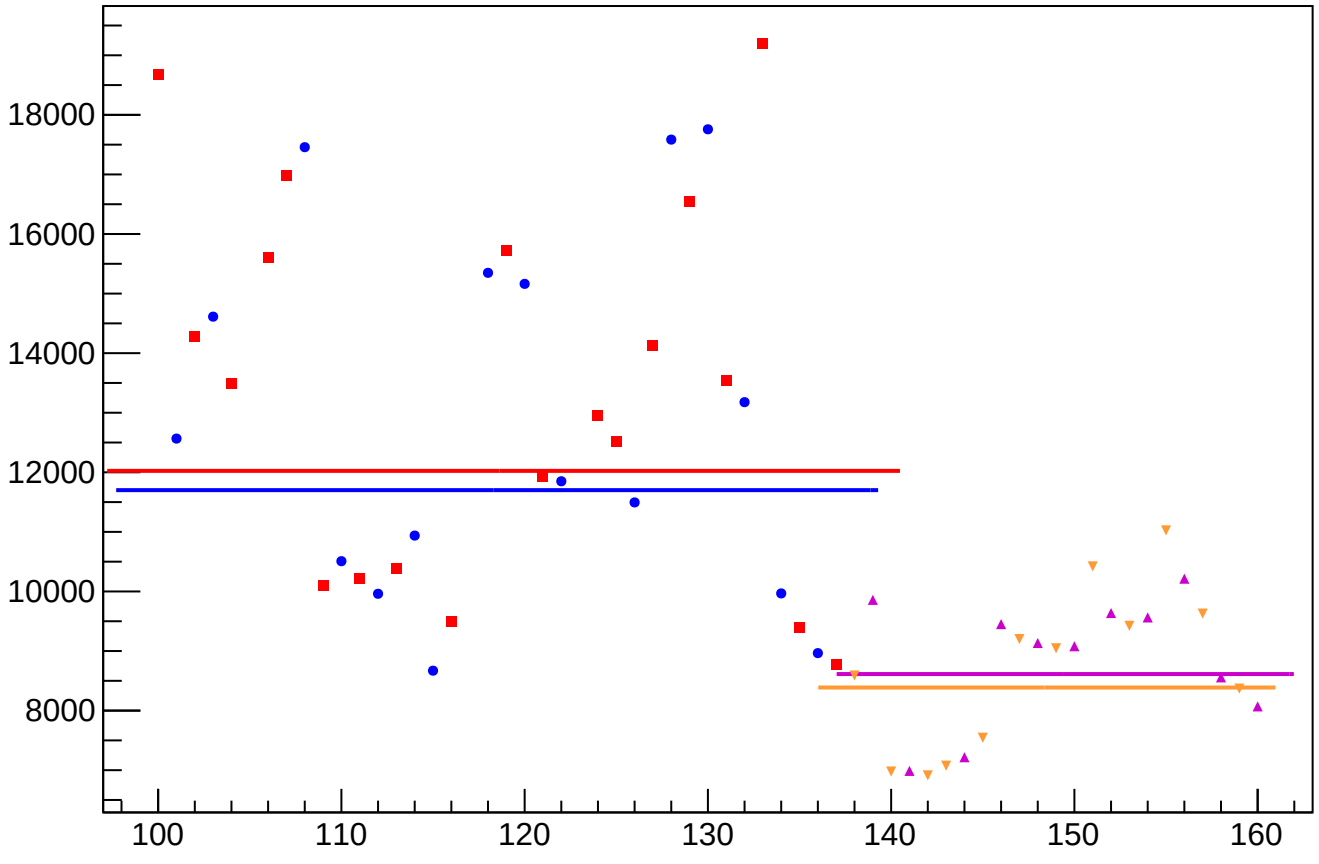
Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: -0.737+/-2.814 χ^2/NDF:10.9/10

+ sign -10.122+/-2.349 χ^2/NDF: 55.1/27

All: -6.753+/-1.675 χ^2/NDF: 87.1/57

- sign -3.268+/-2.389 χ^2/NDF: 27.8/29



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8387.568+/-1.949 χ^2/NDF:411010.1/11

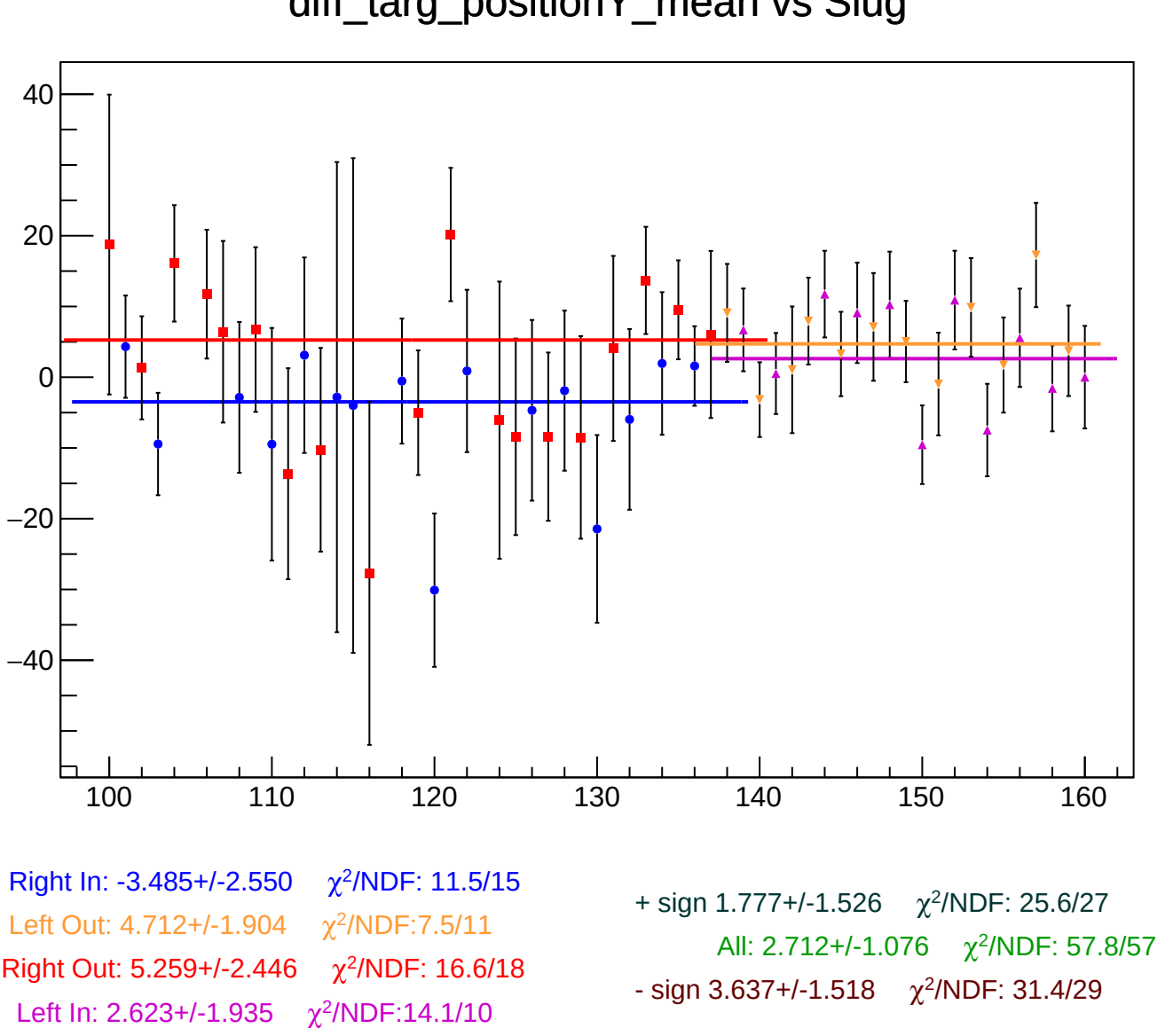
Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

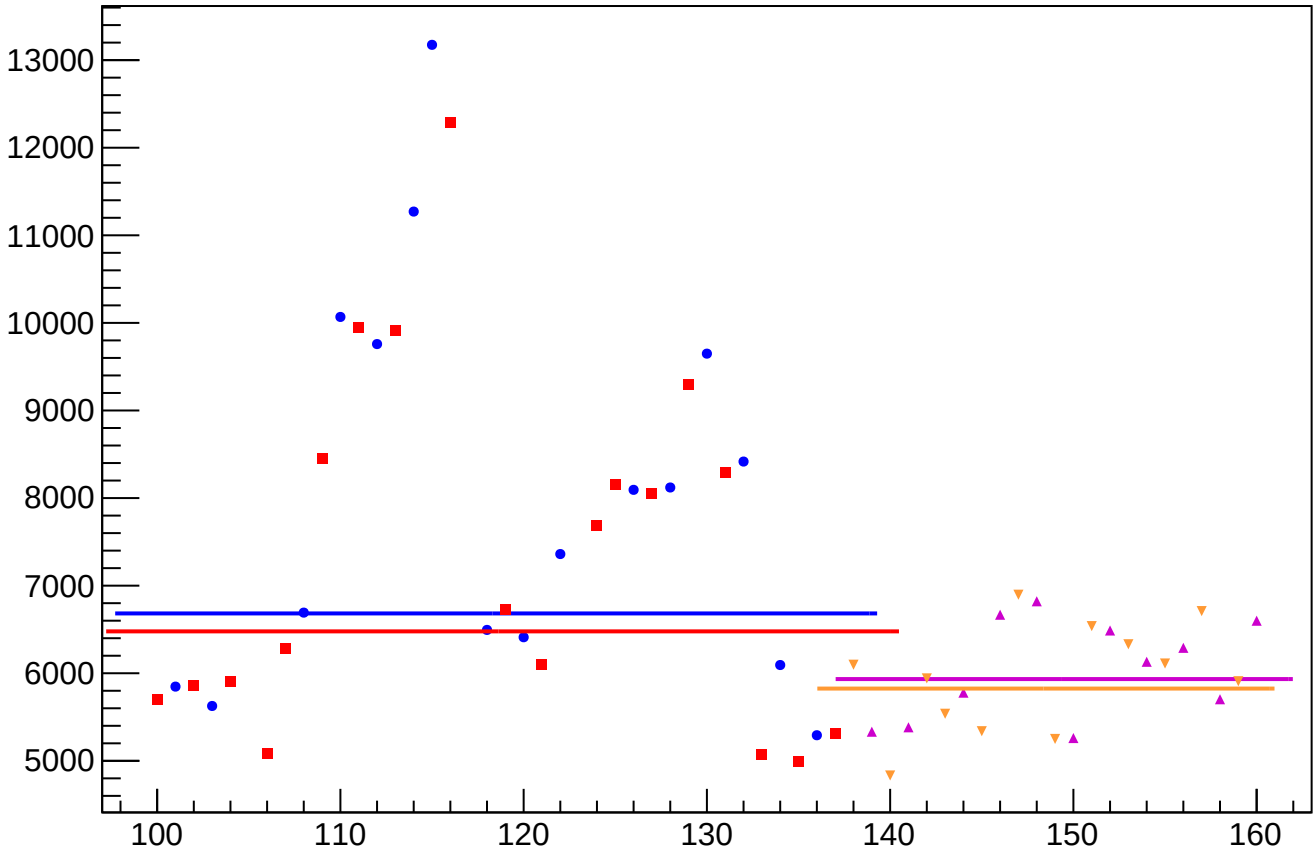
Left In: 8613.575+/-1.990 χ^2/NDF:297518.5/10

+ sign 9294.805+/-1.661 χ^2/NDF: 1942509.7/27

All: 9428.709+/-1.184 χ^2/NDF: 3759370.4/57

- sign 9567.204+/-1.689 χ^2/NDF: 1803636.7/29


diff_targ_positionY_mean vs Slug
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: -3.485+/-2.550 χ²/NDF: 11.5/15
Left Out: 4.712+/-1.904 χ²/NDF:7.5/11
Right Out: 5.259+/-2.446 χ²/NDF: 16.6/18
Left In: 2.623+/-1.935 χ²/NDF:14.1/10
+ sign 1.777+/-1.526 χ²/NDF: 25.6/27
All: 2.712+/-1.076 χ²/NDF: 57.8/57
- sign 3.637+/-1.518 χ²/NDF: 31.4/29



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5825.093+/-1.346 χ^2/NDF:213851.8/11

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

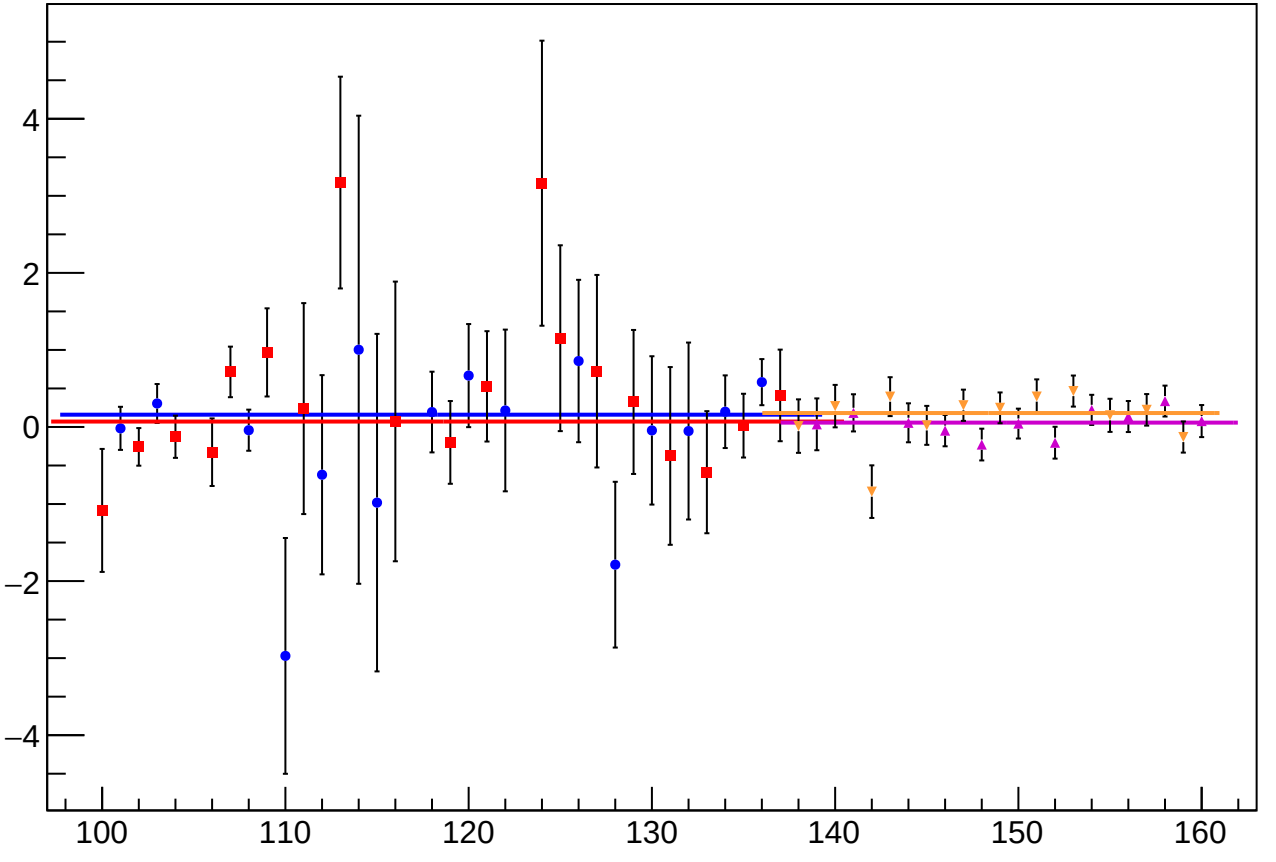
Left In: 5933.593+/-1.368 χ^2/NDF:159202.8/10

+ sign 6132.229+/-1.079 χ^2/NDF: 1051420.2/27

All: 6137.715+/-0.761 χ^2/NDF: 2110861.4/57

- 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: 0.181+/-0.067 χ^2/NDF:16.1/11

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

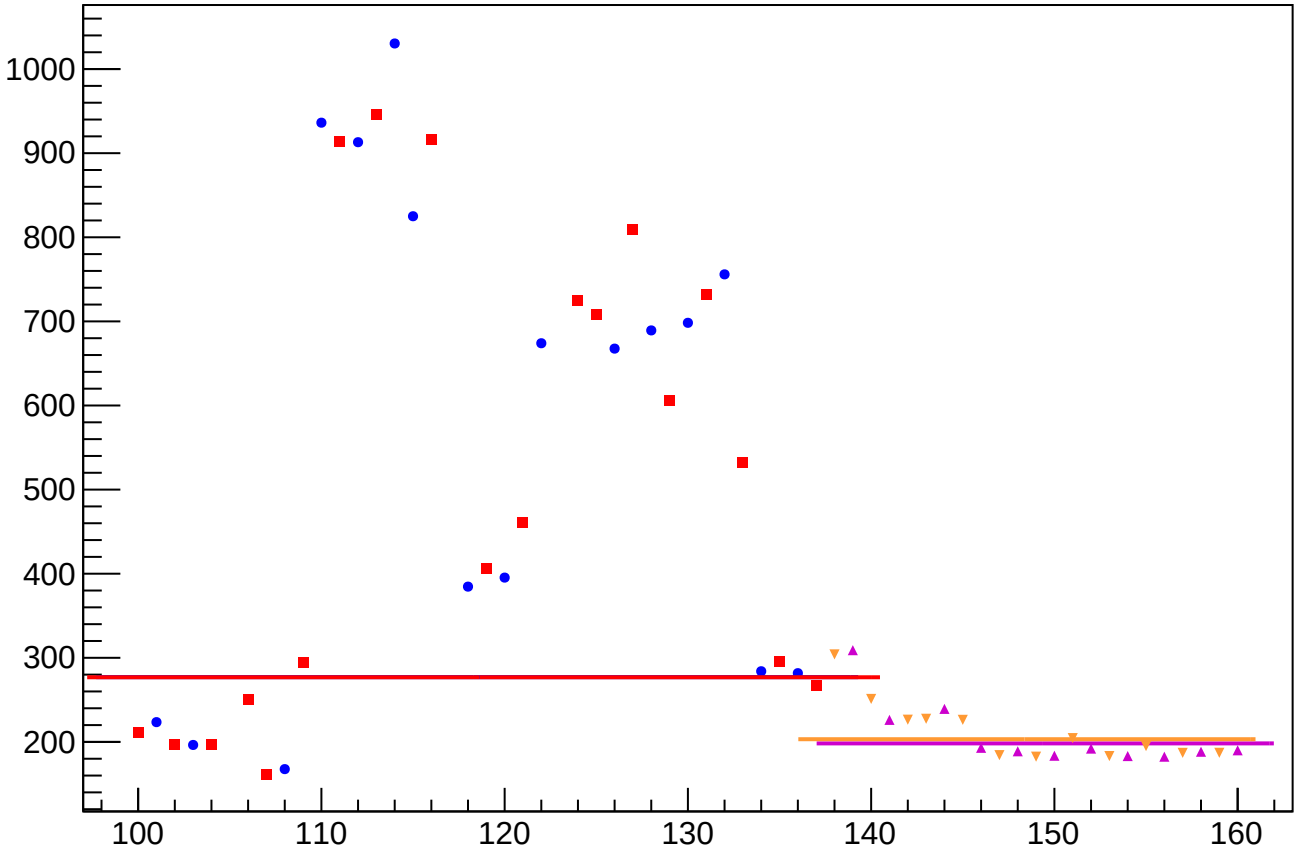
Left In: 0.057+/-0.065 χ^2/NDF:6.9/10

+ sign 0.176+/-0.058 χ^2/NDF: 28.7/27

All: 0.117+/-0.041 χ^2/NDF: 60.1/57

- 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: 203.208+/-0.047 χ^2/NDF:360786.1/11

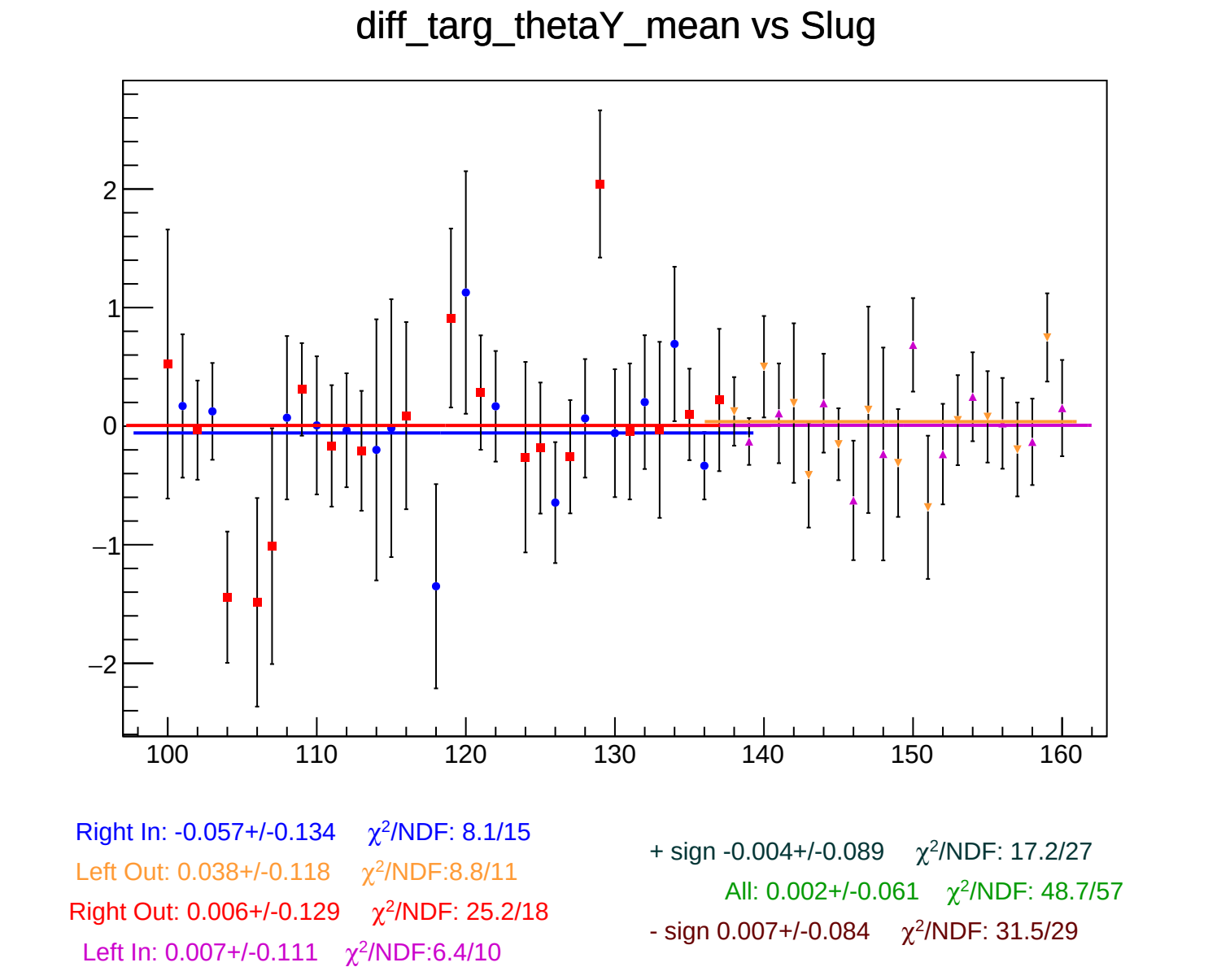
Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 198.243+/-0.046 χ^2/NDF:347542.1/10

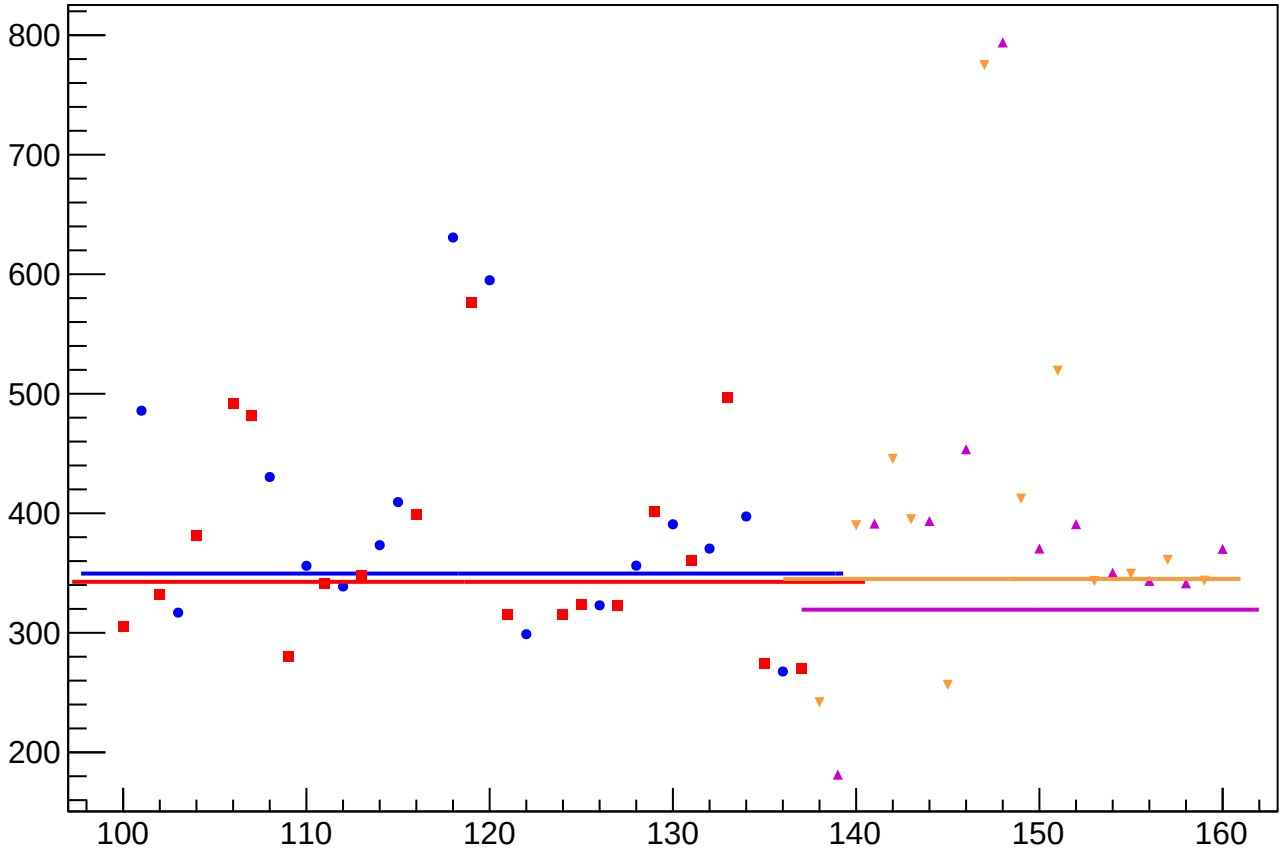
+ sign 220.679+/-0.041 χ^2/NDF: 4392912.0/27

All: 218.323+/-0.029 χ^2/NDF: 8985808.3/57

- 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: 0.038+/-0.118 χ²/NDF:8.8/11
Right Out: 0.006+/-0.129 χ²/NDF: 25.2/18
Left In: 0.007+/-0.111 χ²/NDF:6.4/10
+ sign -0.004+/-0.089 χ²/NDF: 17.2/27
All: 0.002+/-0.061 χ²/NDF: 48.7/57
- 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: 345.058+/-0.083 χ^2/NDF:1219107.7/11

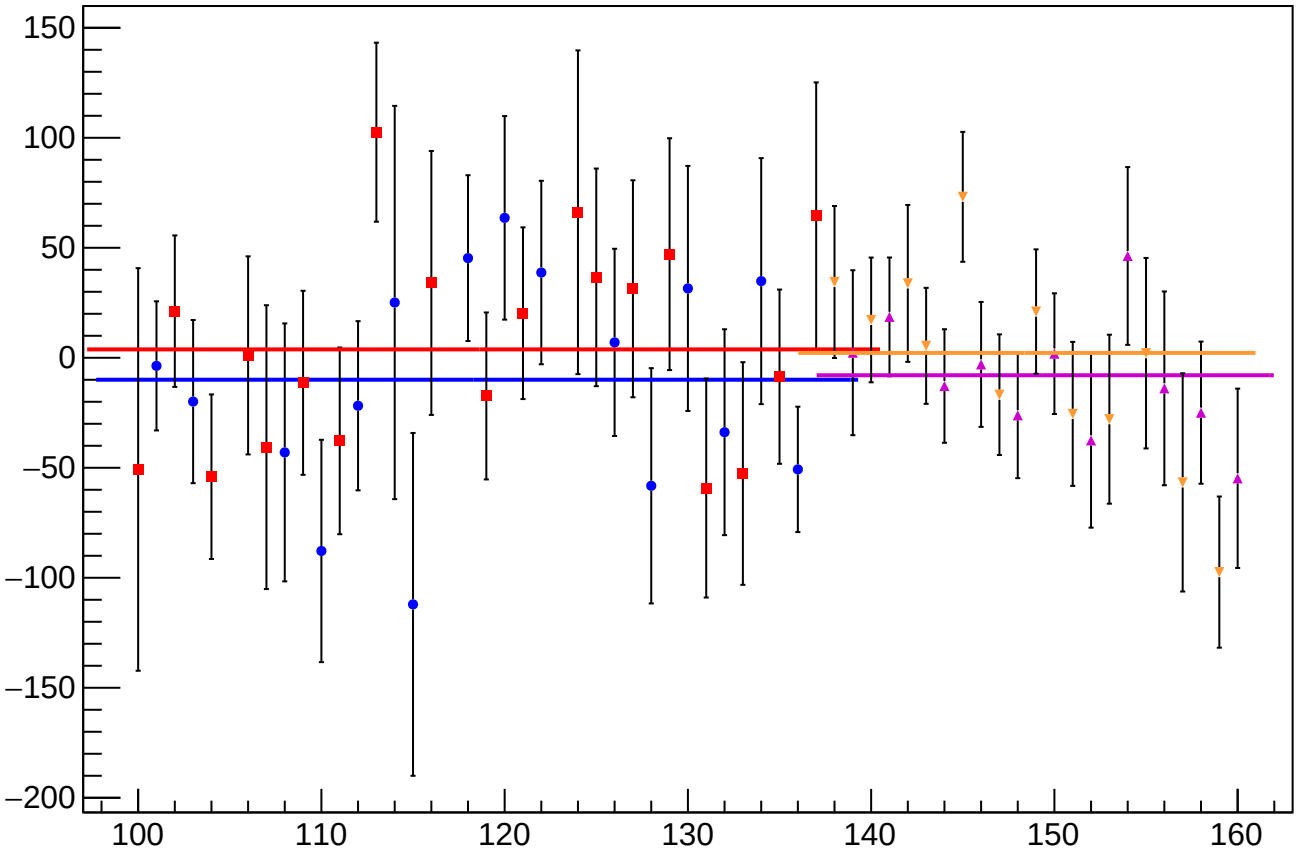
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 319.368+/-0.078 χ^2/NDF:1950114.5/10

\+ sign 347.028+/-0.063 χ^2/NDF: 1919685.0/27

All: 337.662+/-0.043 χ^2/NDF: 4525640.6/57

\- 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: 2.220+/-9.352 χ^2/NDF:19.8/11

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

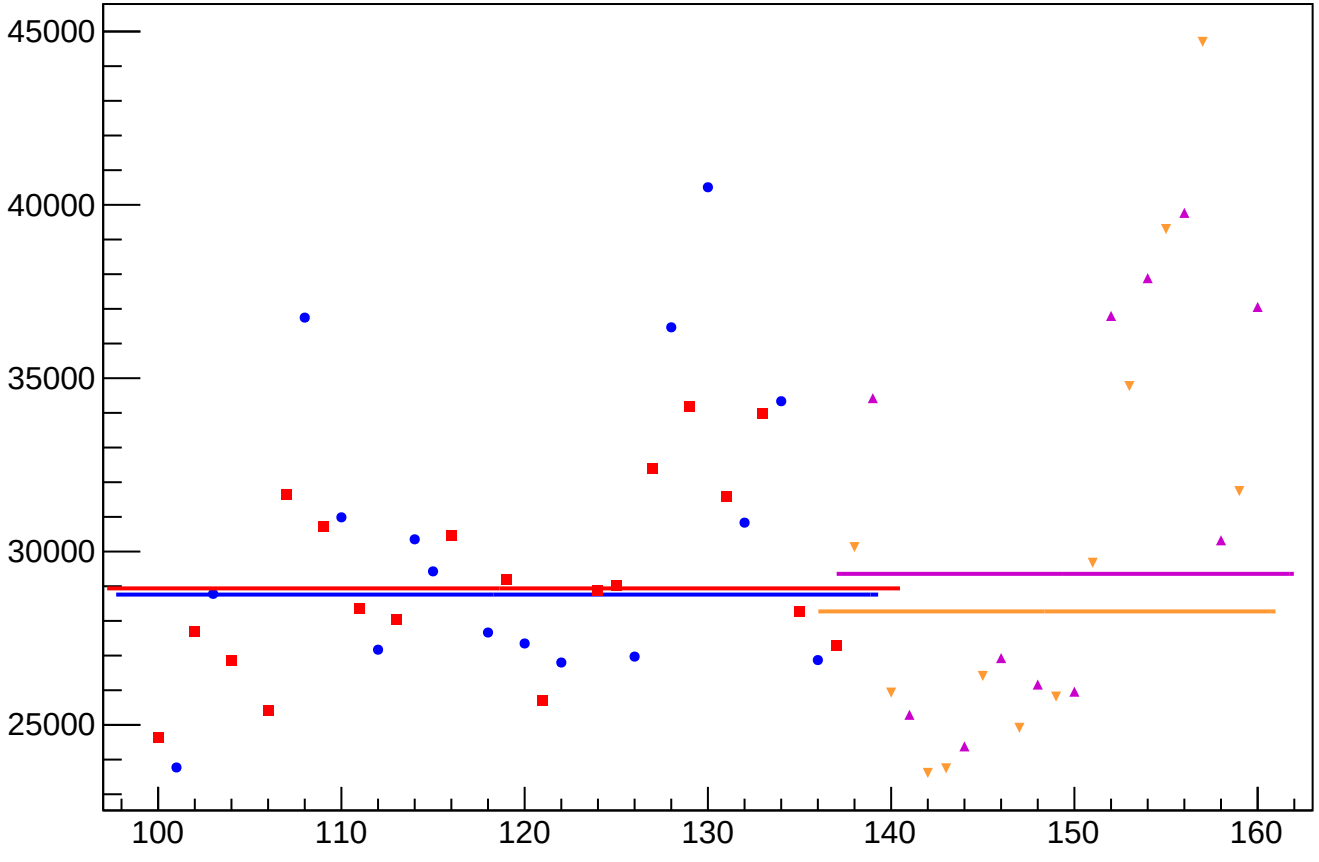
Left In: -7.936+/-9.666 χ^2/NDF:5.6/10

+ sign -2.983+/-7.080 χ^2/NDF: 35.8/27

All: -2.804+/-5.032 χ^2/NDF: 59.4/57

- 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: 28273.727+/-6.613 χ^2/NDF:596066.5/11

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

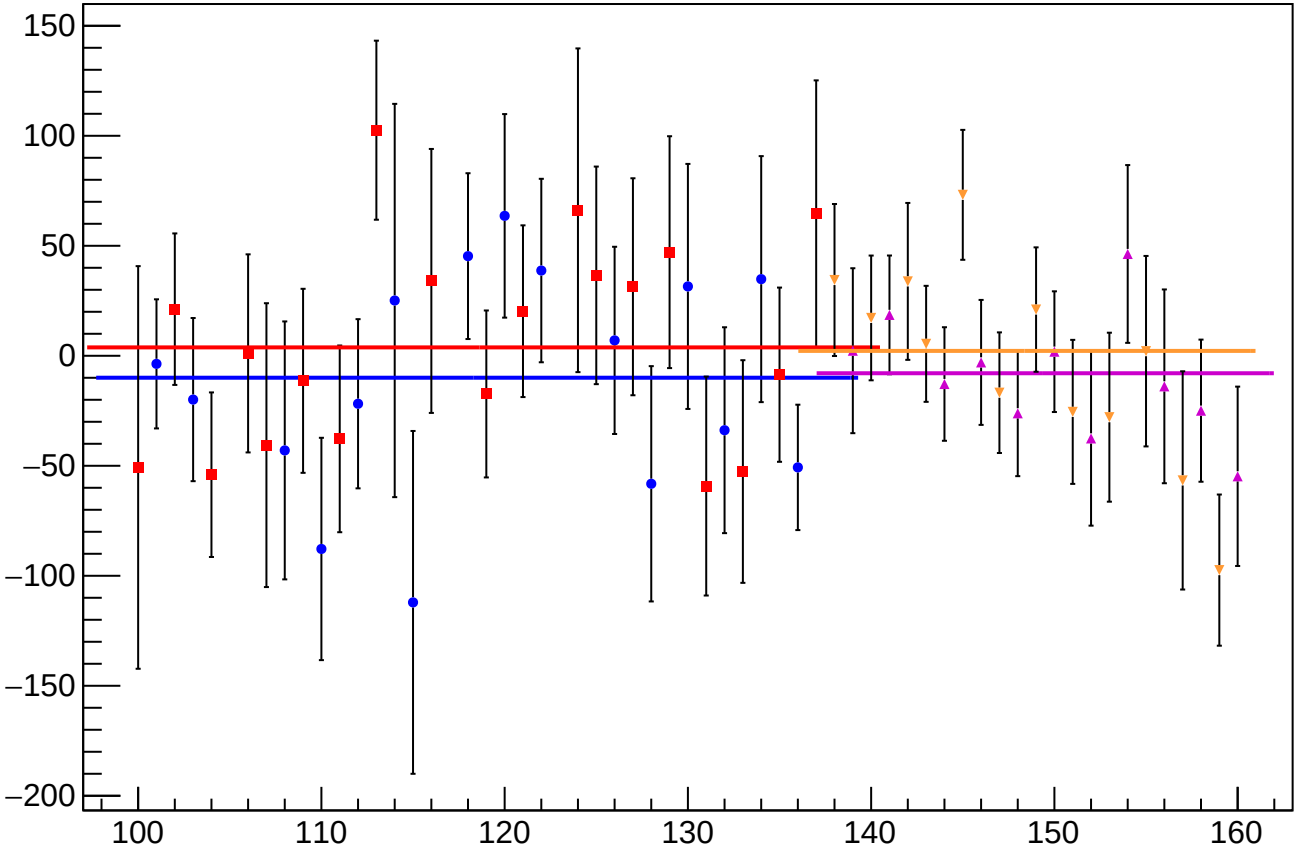
Left In: 29357.198+/-6.835 χ^2/NDF:570953.6/10

+ sign 28480.912+/-5.006 χ^2/NDF: 876006.0/27

All: 28820.625+/-3.558 χ^2/NDF: 1564235.5/5

- sign 29167.422+/-5.058 χ^2/NDF: 678924.1/29

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 2.220+/-9.352 χ^2/NDF:19.8/11

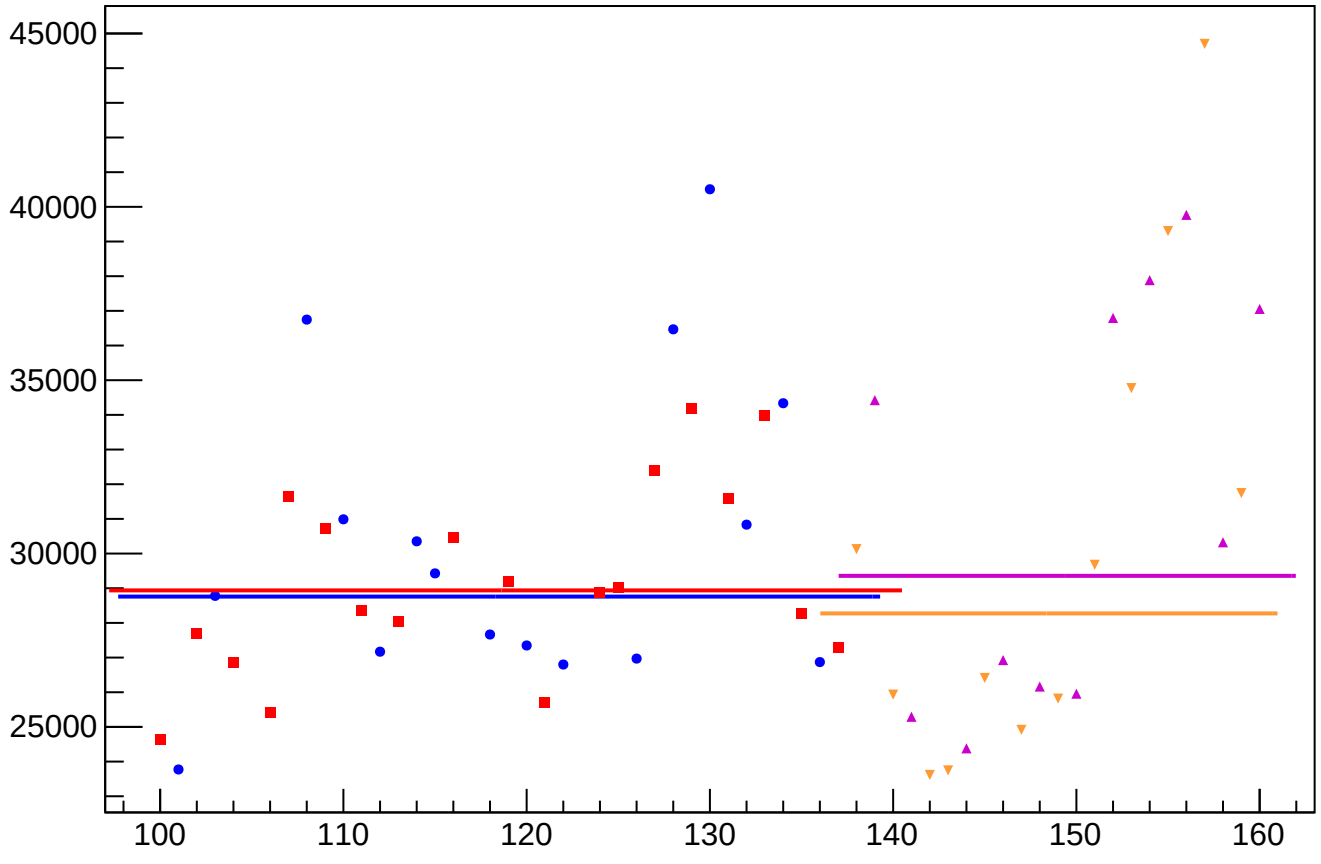
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -7.936+/-9.666 χ^2/NDF:5.6/10

+ sign -2.983+/-7.080 χ^2/NDF: 35.8/27

All: -2.804+/-5.032 χ^2/NDF: 59.4/57

- 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: 28273.727+/-6.613 χ^2/NDF:596066.5/11

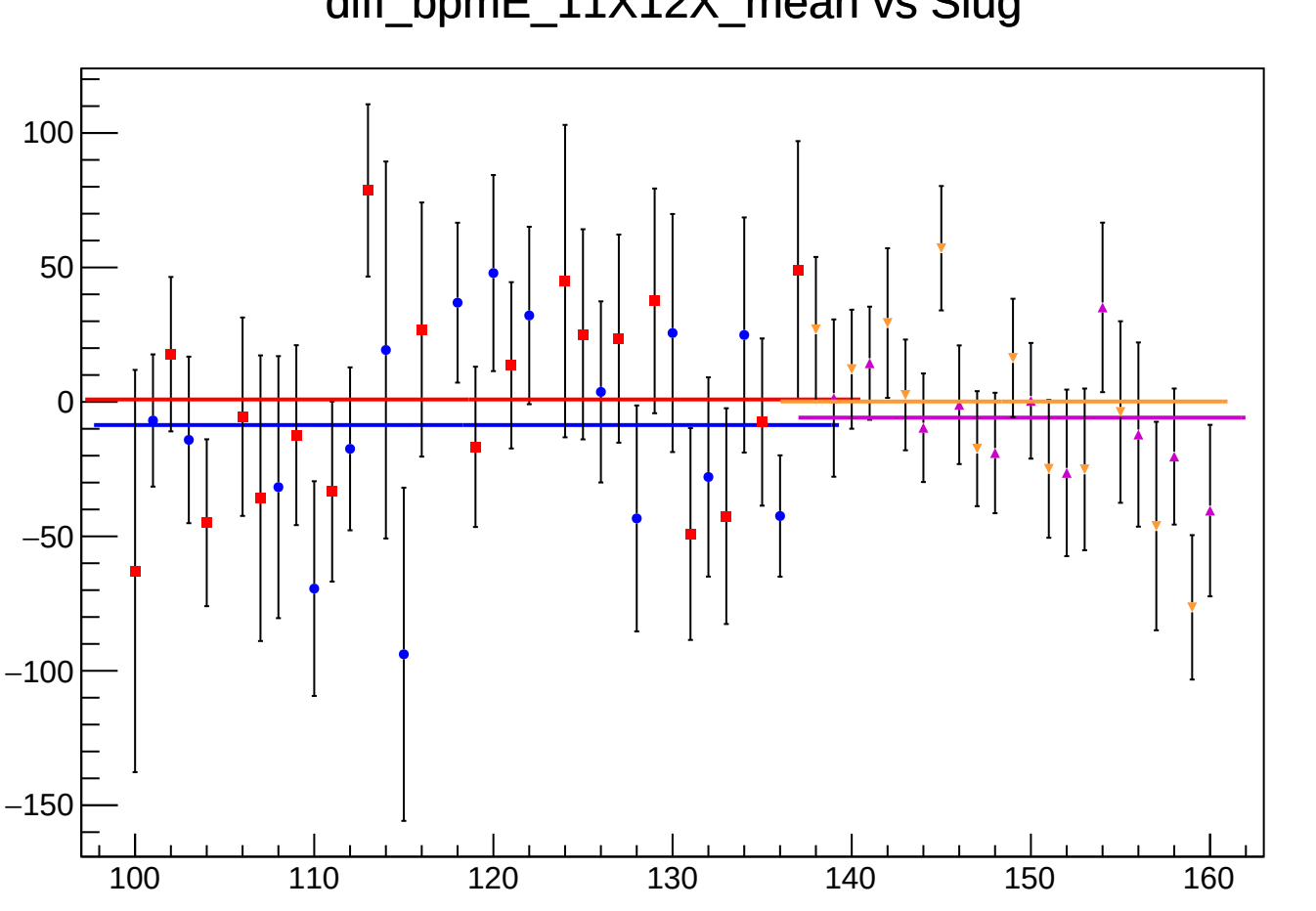
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 29357.198+/-6.835 χ^2/NDF:570953.6/10

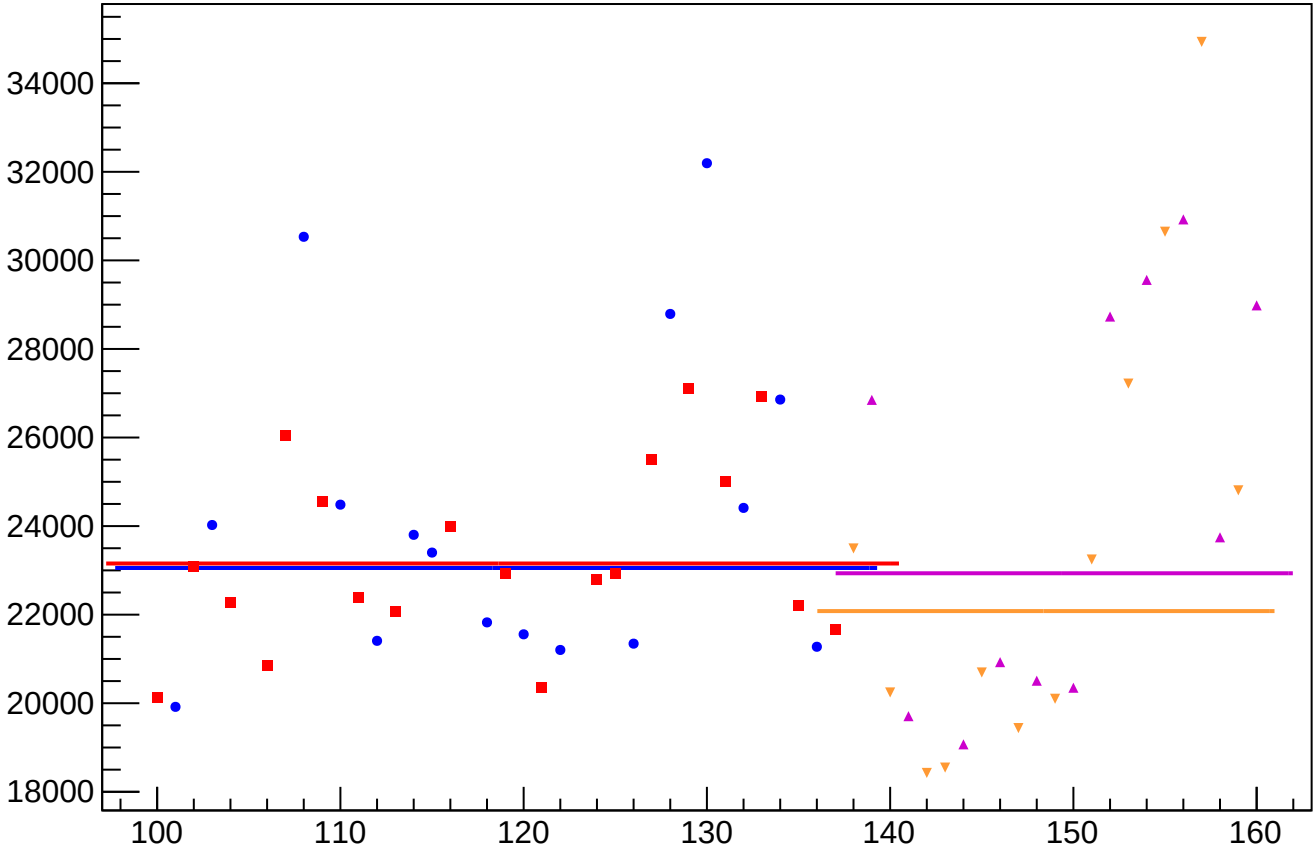
+ sign 28480.912+/-5.006 χ^2/NDF: 876006.0/27

All: 28820.625+/-3.558 χ^2/NDF: 1564235.5/5

- sign 29167.422+/-5.058 χ^2/NDF: 678924.1/29


diff_bpmE_11X12X_mean vs Slug
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: 0.155+/-7.303 χ²/NDF:20.9/11
Right Out: 0.904+/-8.506 χ²/NDF: 17.6/18
Left In: -5.847+/-7.551 χ²/NDF:5.2/10
+ sign -3.474+/-5.588 χ²/NDF: 37.0/27
All: -3.176+/-3.972 χ²/NDF: 60.1/57
- sign -2.872+/-5.647 χ²/NDF: 23.1/29

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 22080.726+/-5.164 χ^2/NDF:598358.3/11

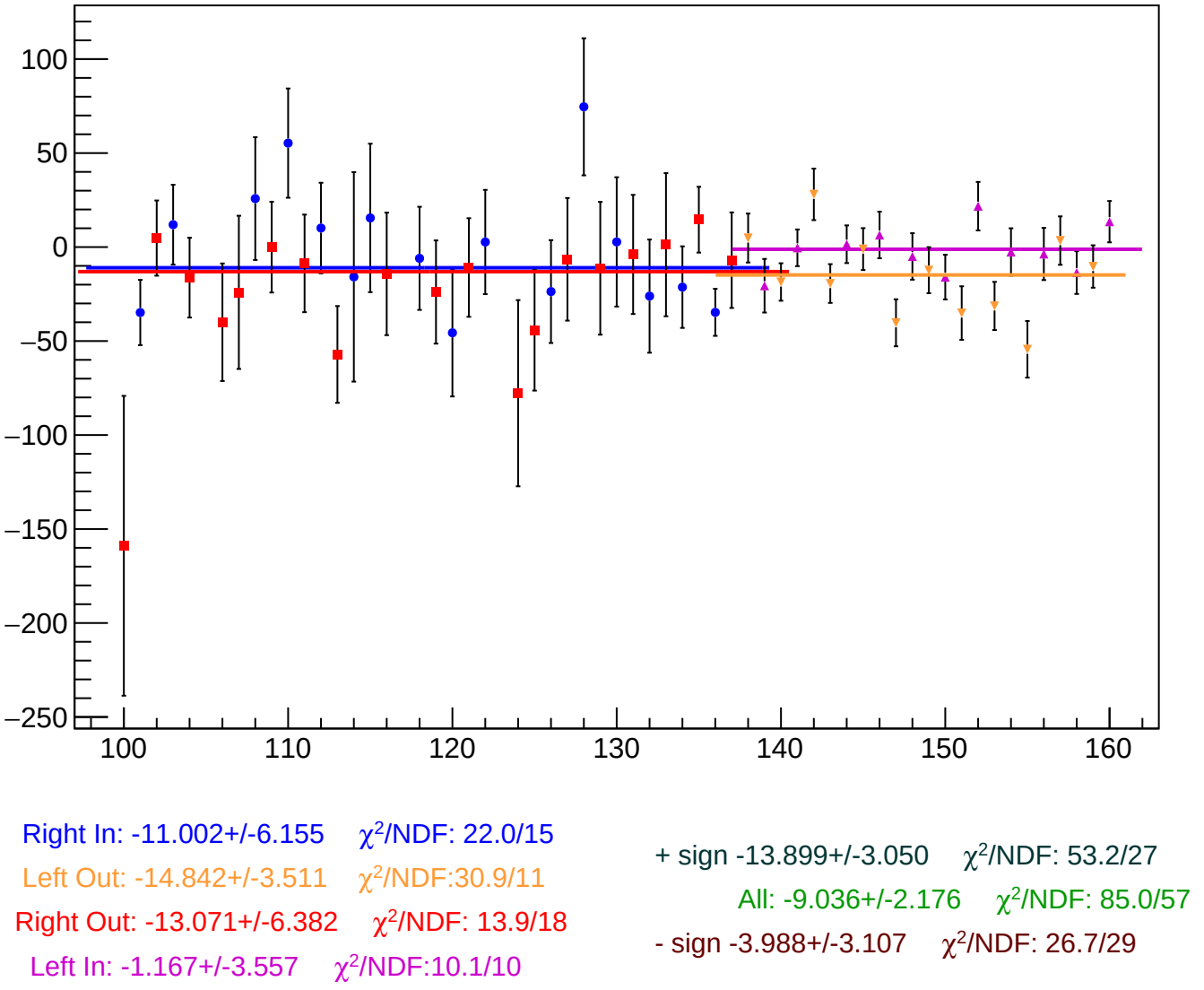
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 22934.753+/-5.339 χ^2/NDF:566401.4/10

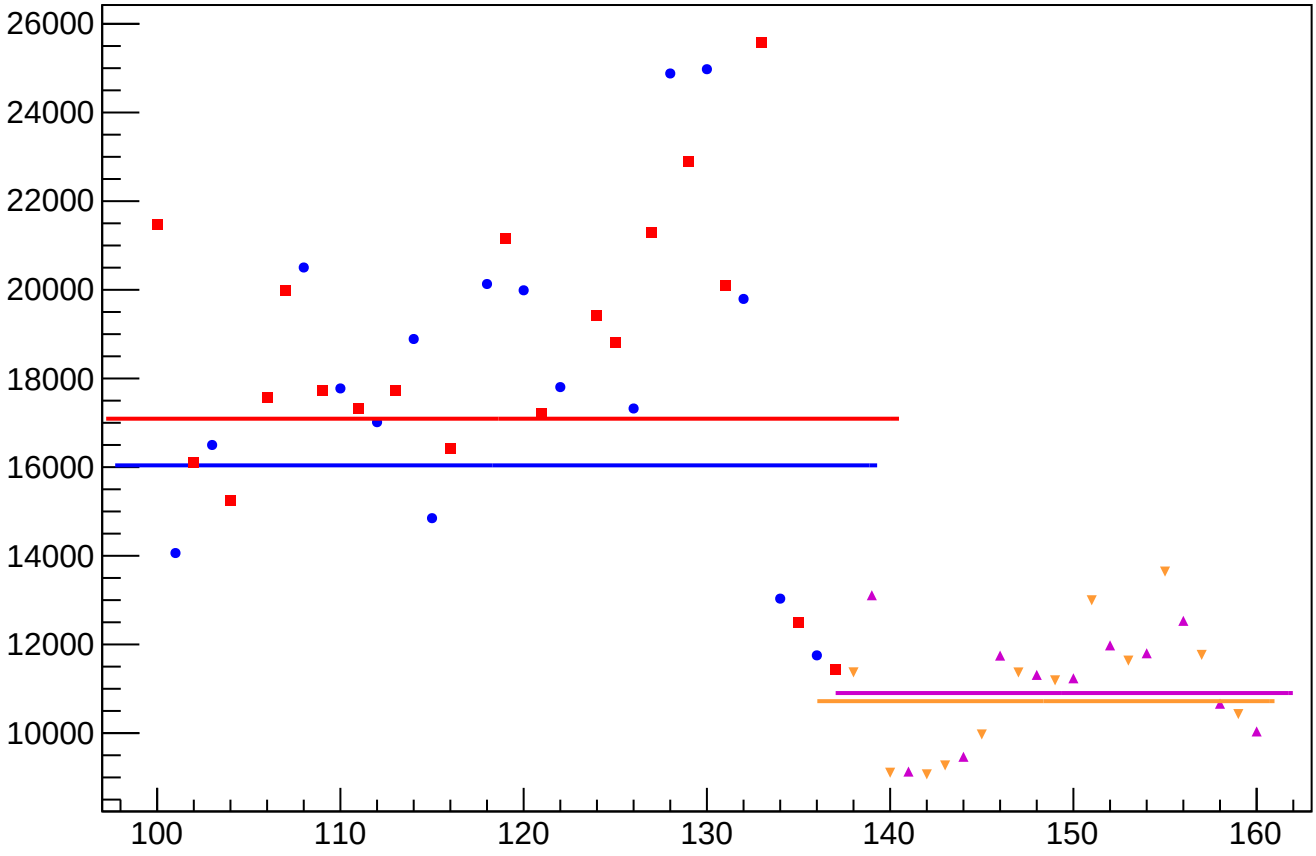
+ sign 22484.190+/-3.951 χ^2/NDF: 874526.4/27

All: 22755.191+/-2.809 χ^2/NDF: 1545081.3/5

- sign 23031.928+/-3.993 χ^2/NDF: 661047.1/29


diff_bpm4aesumX_mean vs Slug
100
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
Right In: -11.002+/-6.155 χ²/NDF: 22.0/15
Left Out: -14.842+/-3.511 χ²/NDF:30.9/11
Right Out: -13.071+/-6.382 χ²/NDF: 13.9/18
Left In: -1.167+/-3.557 χ²/NDF:10.1/10
+ sign -13.899+/-3.050 χ²/NDF: 53.2/27
All: -9.036+/-2.176 χ²/NDF: 85.0/57
- sign -3.988+/-3.107 χ²/NDF: 26.7/29

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10720.786+/-2.483 χ^2/NDF:294388.4/11

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

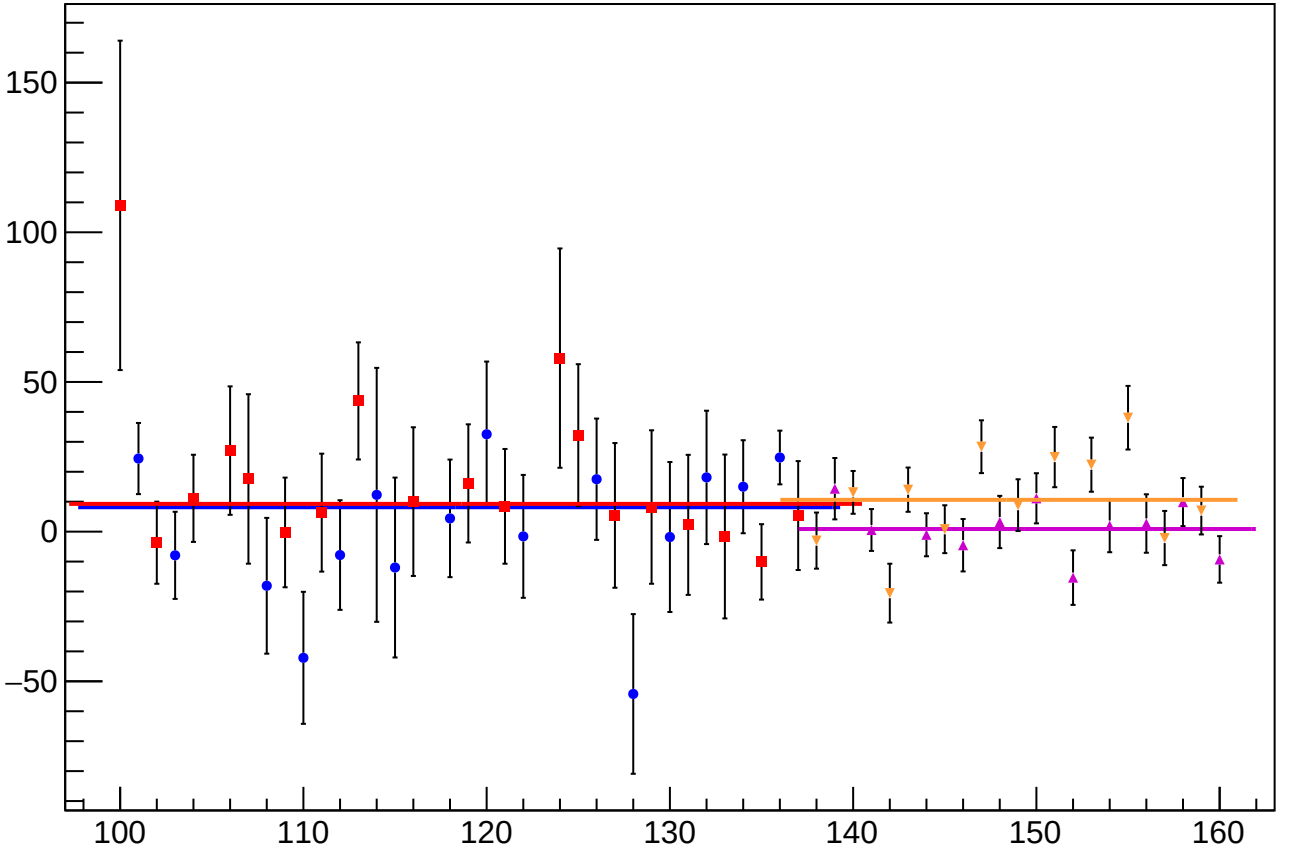
Left In: 10903.931+/-2.515 χ^2/NDF:233013.8/10

+ sign 12026.929+/-2.157 χ^2/NDF: 2144063.8/27

All: 12195.624+/-1.539 χ^2/NDF: 4360020.0/5

- 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: 10.625+/-2.497 χ^2/NDF:30.6/11

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

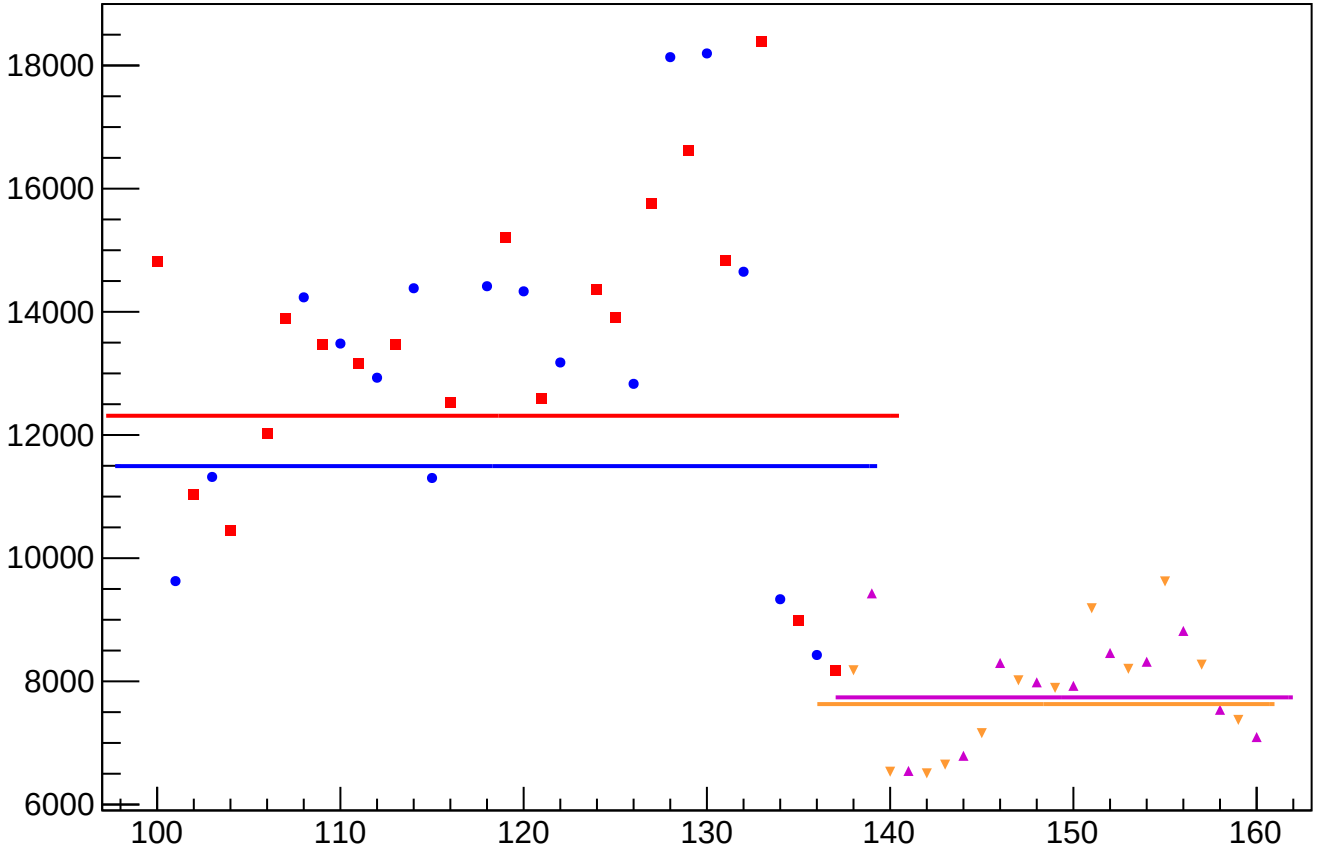
Left In: 0.876+/-2.524 χ^2/NDF:9.9/10

+ sign 10.026+/-2.175 χ^2/NDF: 52.7/27

All: 6.484+/-1.551 χ^2/NDF: 84.4/57

- 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: 7630.778+/-1.766 χ^2/NDF:266380.1/11

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

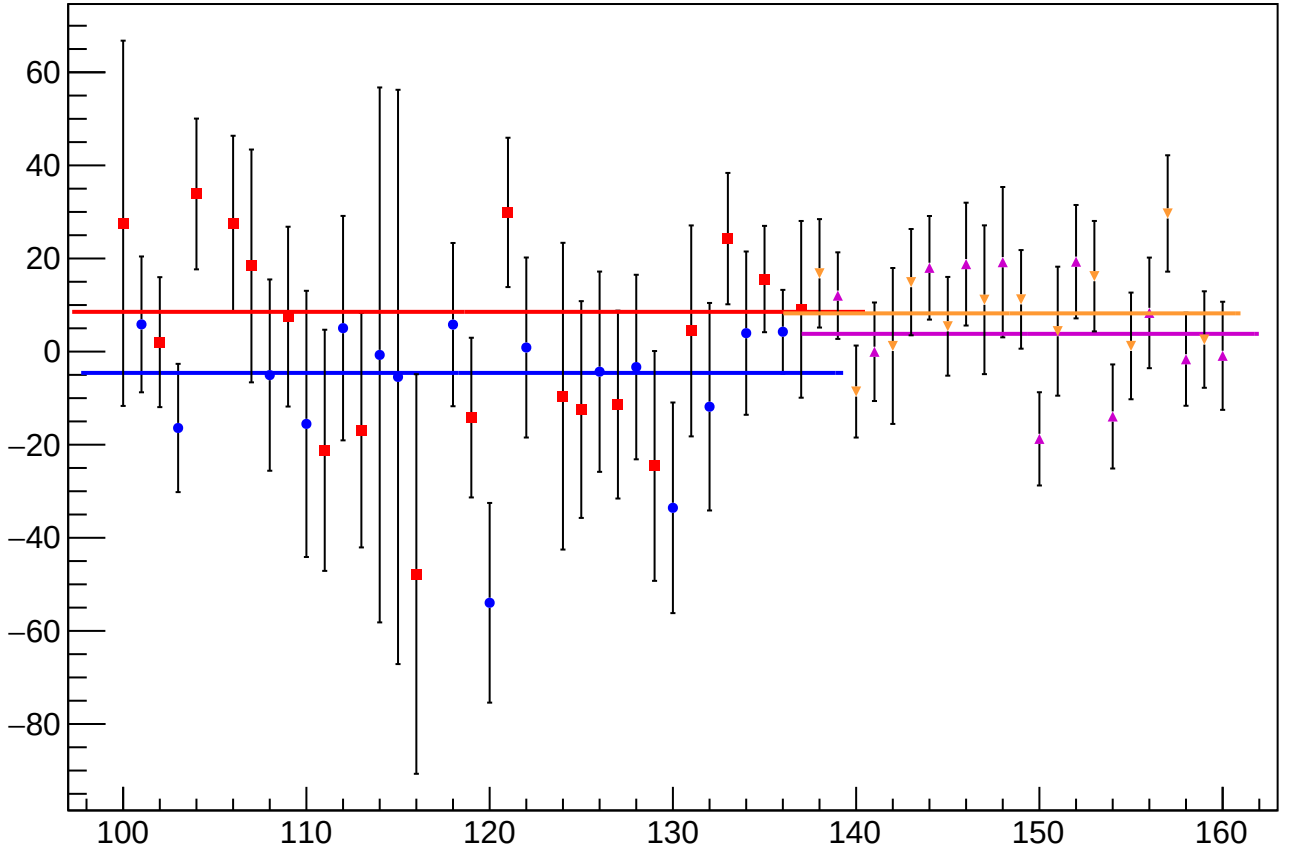
Left In: 7739.931+/-1.785 χ^2/NDF:218610.2/10

+ sign 8564.910+/-1.538 χ^2/NDF: 2213986.5/27

All: 8678.111+/-1.097 χ^2/NDF: 4557745.0/57

- 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: 8.212+/-3.406 χ^2/NDF:8.3/11

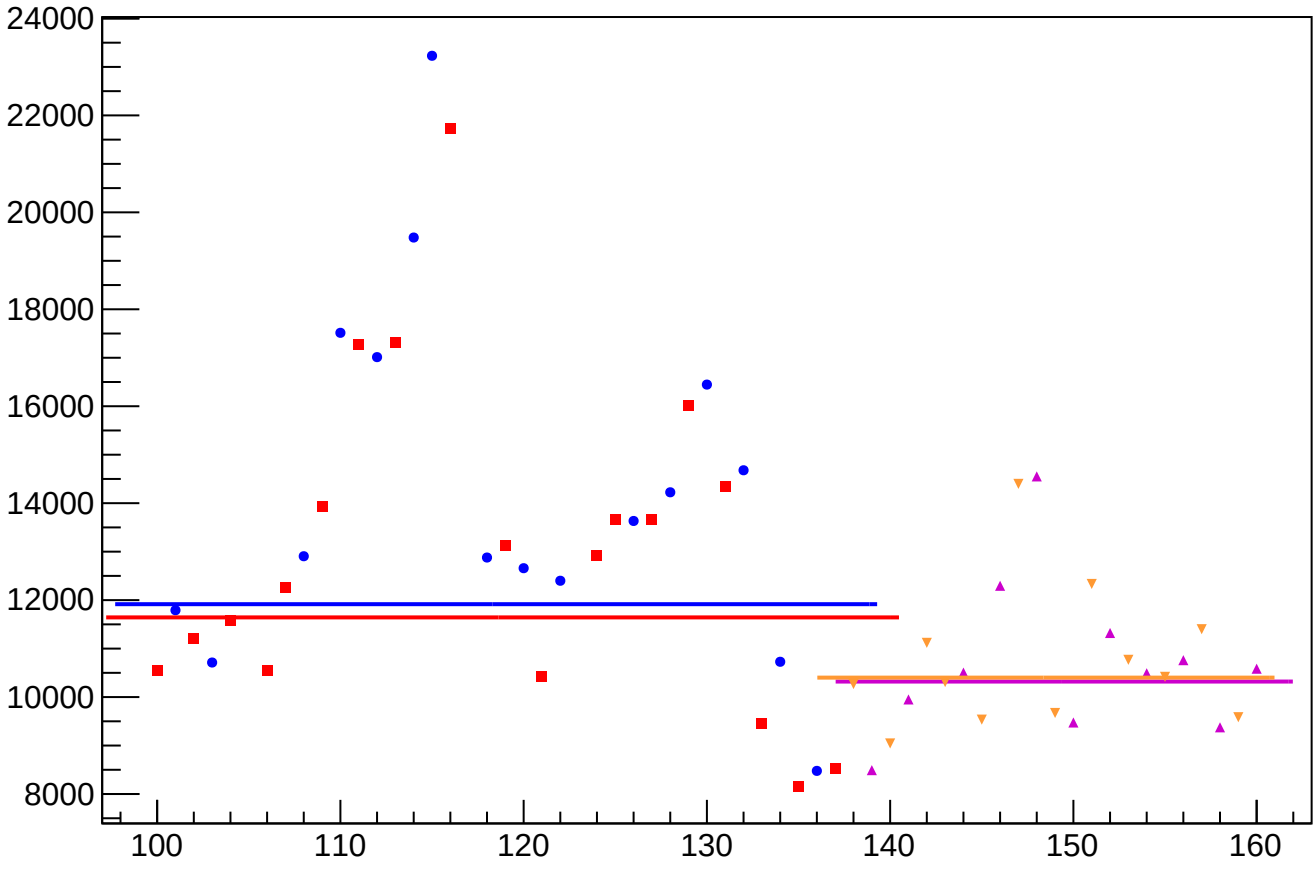
Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: 3.813+/-3.383 χ^2/NDF:14.6/10

+ sign 3.624+/-2.727 χ^2/NDF: 23.6/27

All: 4.615+/-1.912 χ^2/NDF: 56.3/57

- 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: 10401.285+/-2.408 χ^2/NDF:255771.5/11

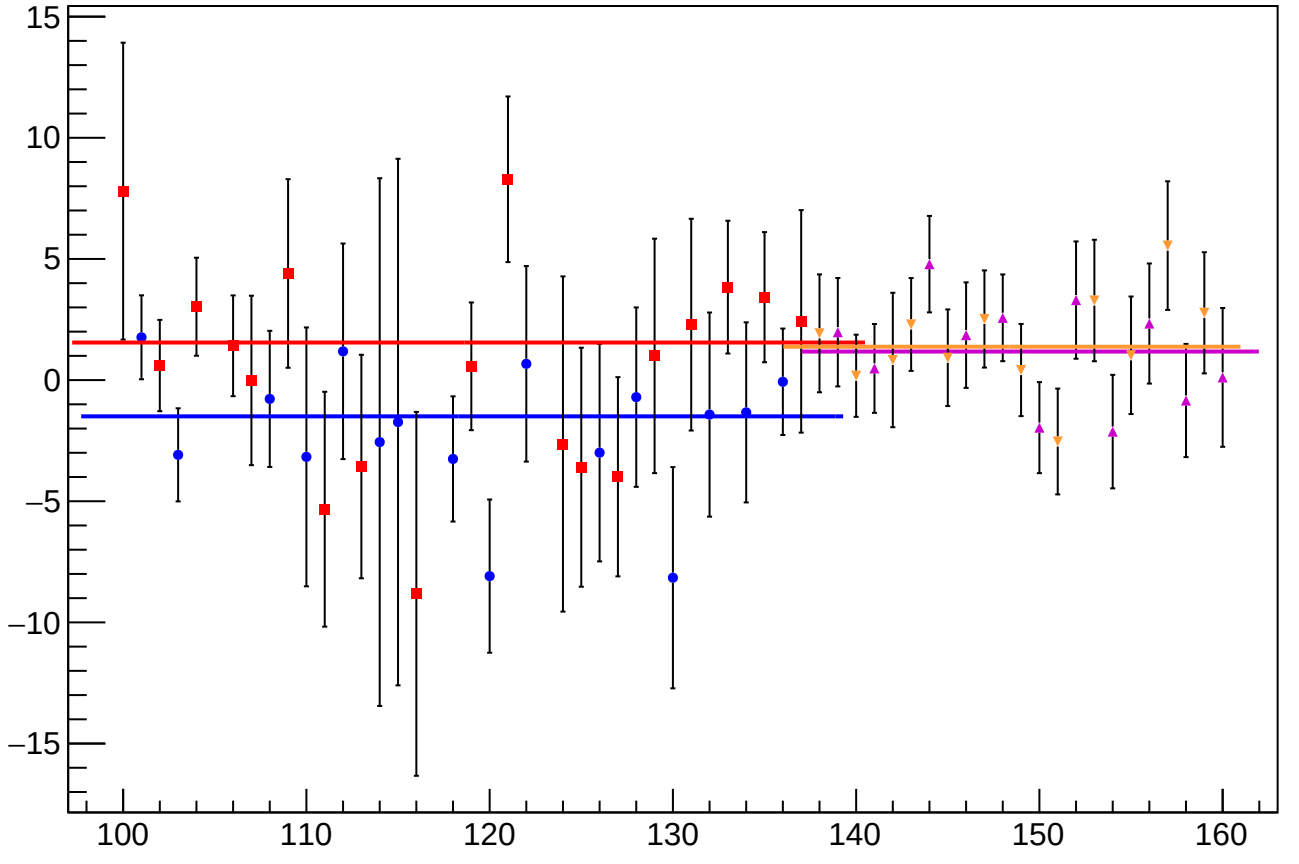
Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10320.111+/-2.392 χ^2/NDF:312318.5/10

+ sign 10944.743+/-1.929 χ^2/NDF: 1147504.5/27

All: 10877.691+/-1.352 χ^2/NDF: 2366533.3/5

- sign 10812.943+/-1.895 χ^2/NDF: 1216652.9/29



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.377+/-0.628 χ^2/NDF:8.0/11

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

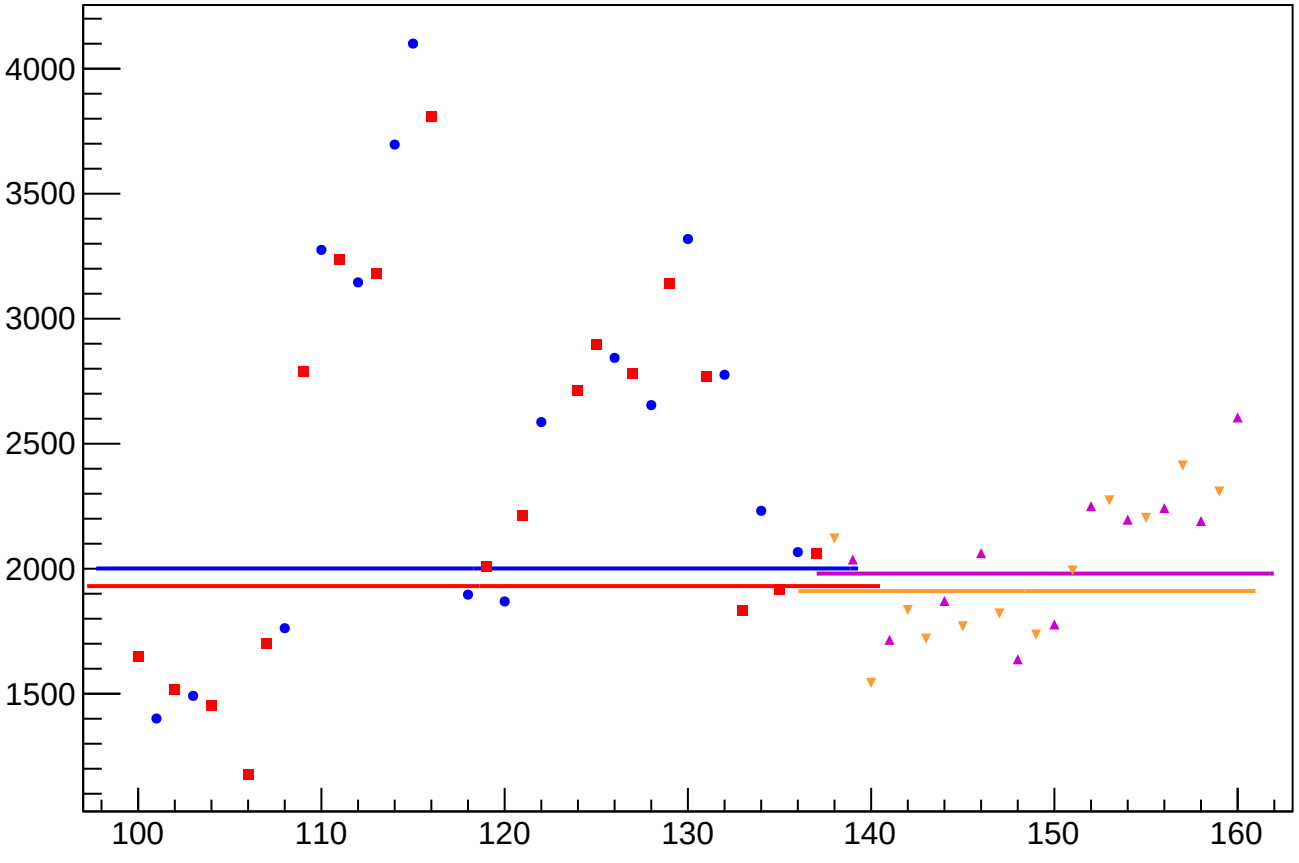
Left In: 1.178+/-0.649 χ^2/NDF:10.9/10

+ sign 0.244+/-0.489 χ^2/NDF: 28.9/27

All: 0.791+/-0.346 χ^2/NDF: 58.7/57

- 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: 1910.519+/-0.444 χ^2/NDF:356974.5/11

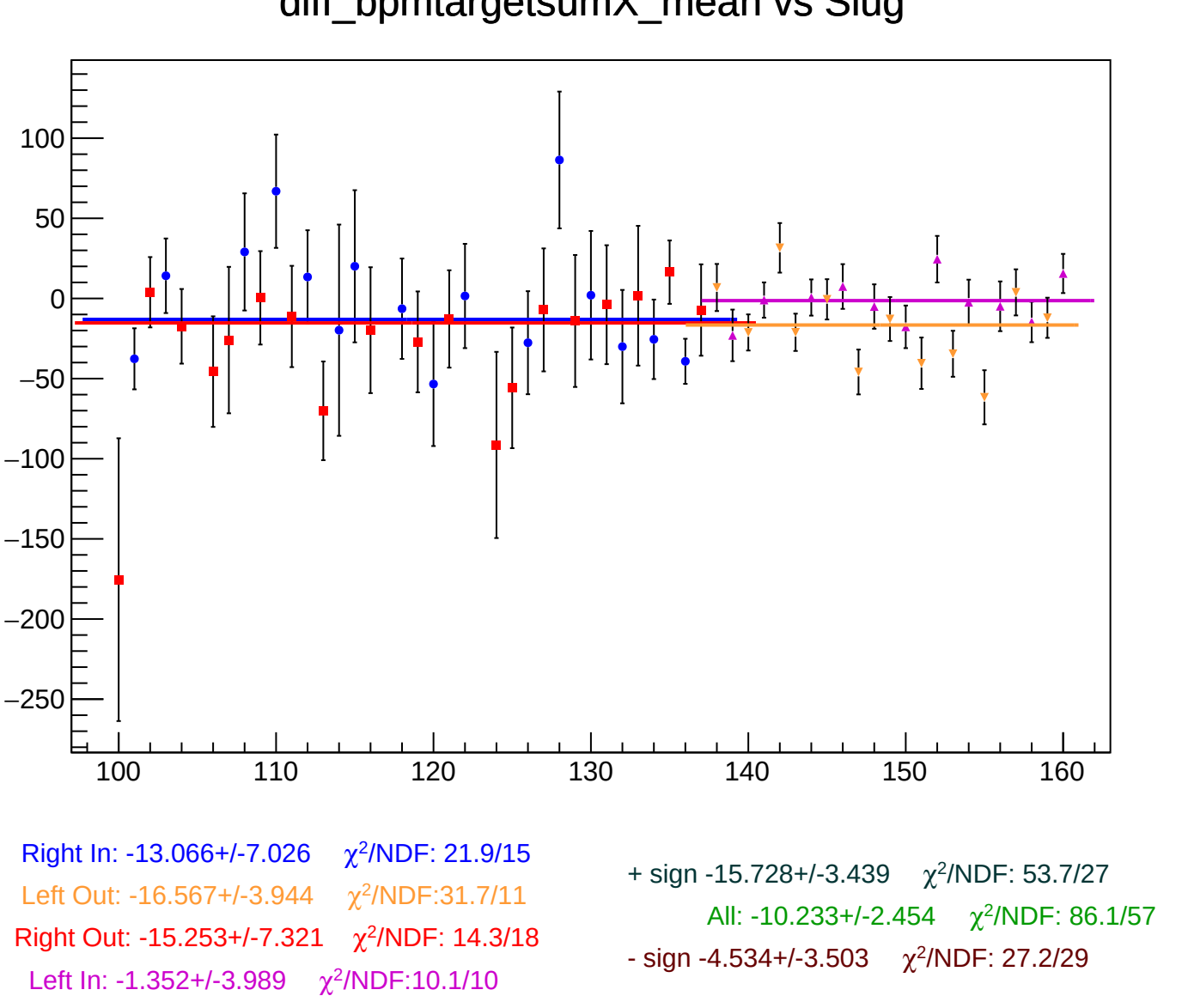
Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1980.598+/-0.459 χ^2/NDF:324137.2/10

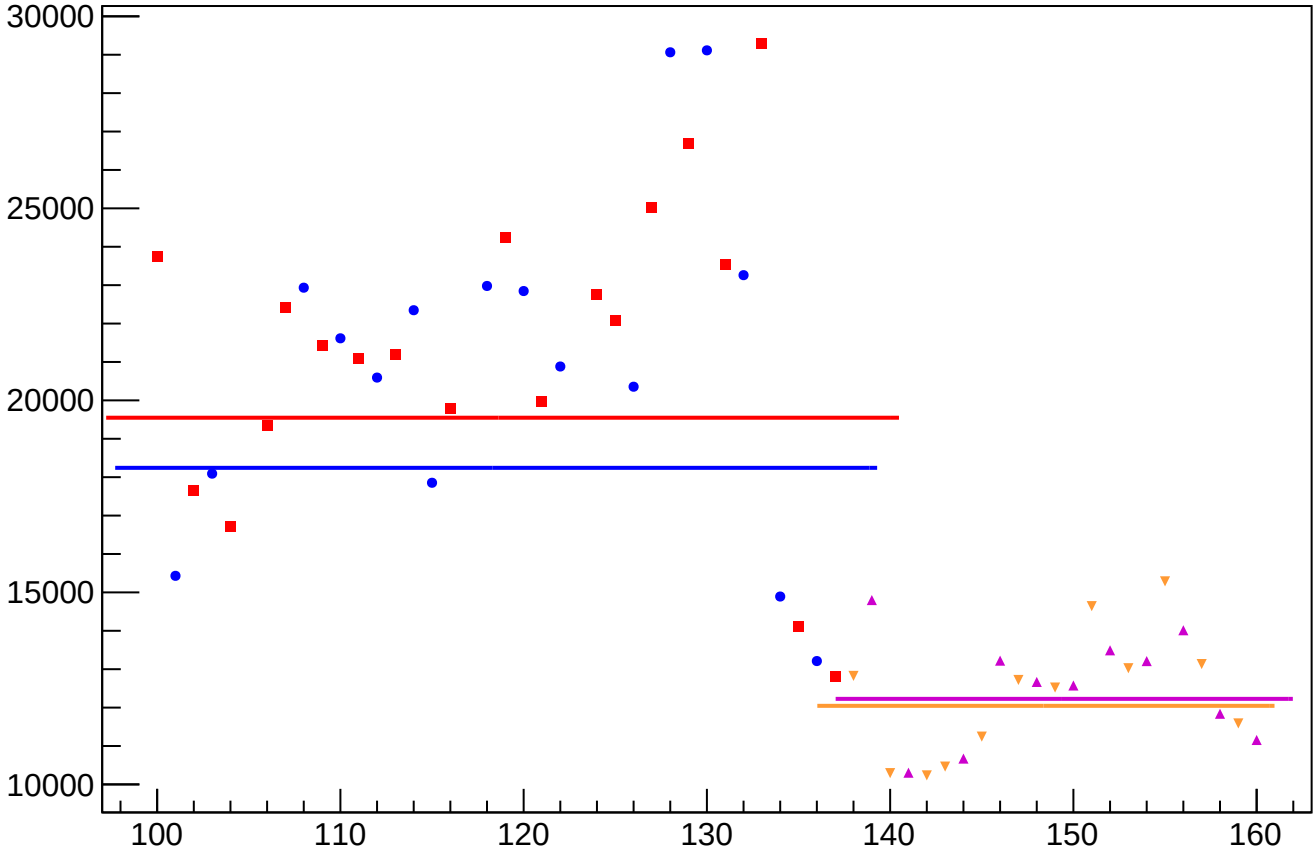
+ sign 1946.194+/-0.346 χ^2/NDF: 1563134.1/27

All: 1952.567+/-0.244 χ^2/NDF: 3296666.2/57

- sign 1958.951+/-0.346 χ^2/NDF: 1732851.2/29


diff_bpmtargetsumX_mean vs Slug
100
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
Right In: -13.066+/-7.026 χ²/NDF: 21.9/15
Left Out: -16.567+/-3.944 χ²/NDF:31.7/11
Right Out: -15.253+/-7.321 χ²/NDF: 14.3/18
Left In: -1.352+/-3.989 χ²/NDF:10.1/10
+ sign -15.728+/-3.439 χ²/NDF: 53.7/27
All: -10.233+/-2.454 χ²/NDF: 86.1/57
- sign -4.534+/-3.503 χ²/NDF: 27.2/29

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 12046.123+/-2.789 χ^2/NDF:283083.4/11

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

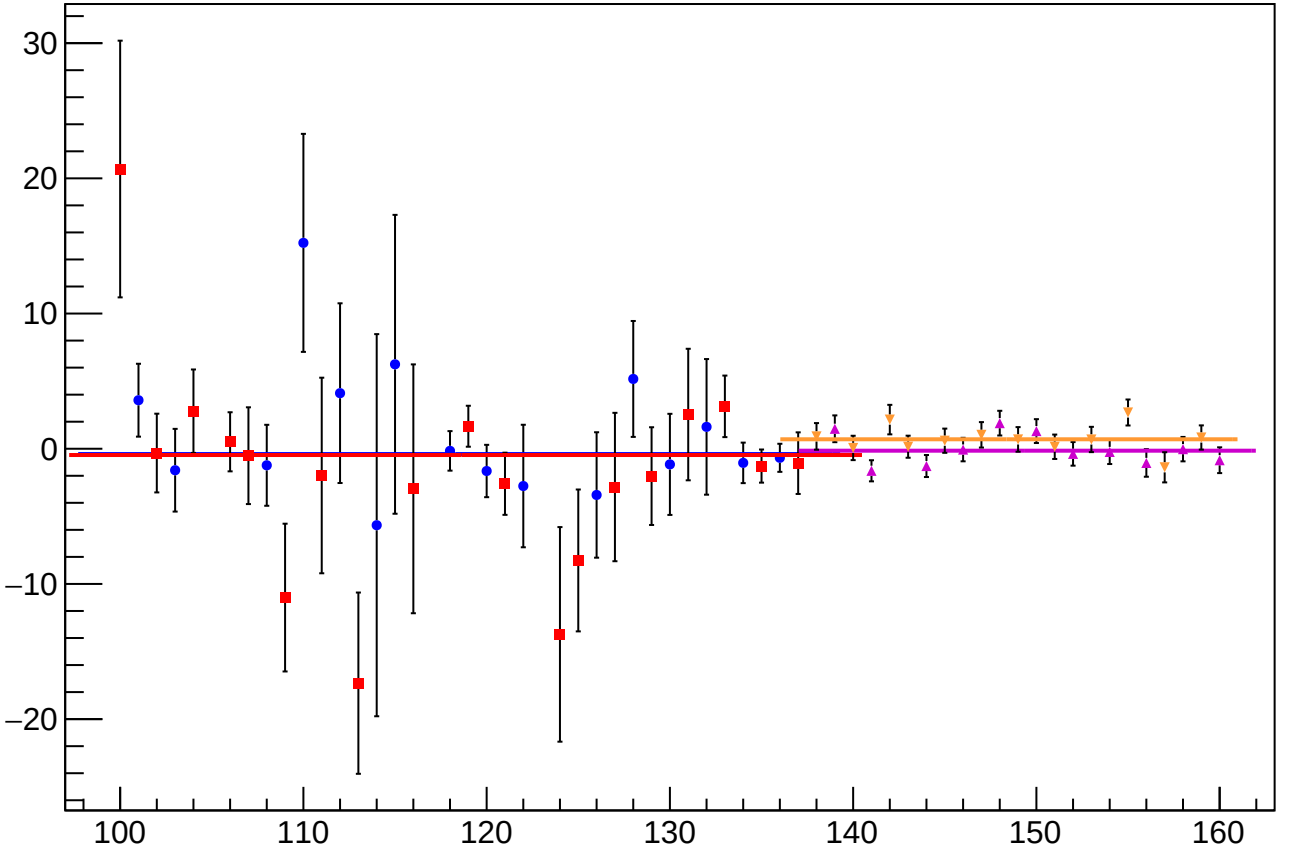
Left In: 12227.649+/-2.820 χ^2/NDF:232216.1/10

+ sign 13530.988+/-2.432 χ^2/NDF: 2285956.5/27

All: 13713.842+/-1.735 χ^2/NDF: 4693618.2/5

- sign 13903.480+/-2.477 χ^2/NDF: 2396145.8/29

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.699+/-0.270 χ^2/NDF:11.0/11

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

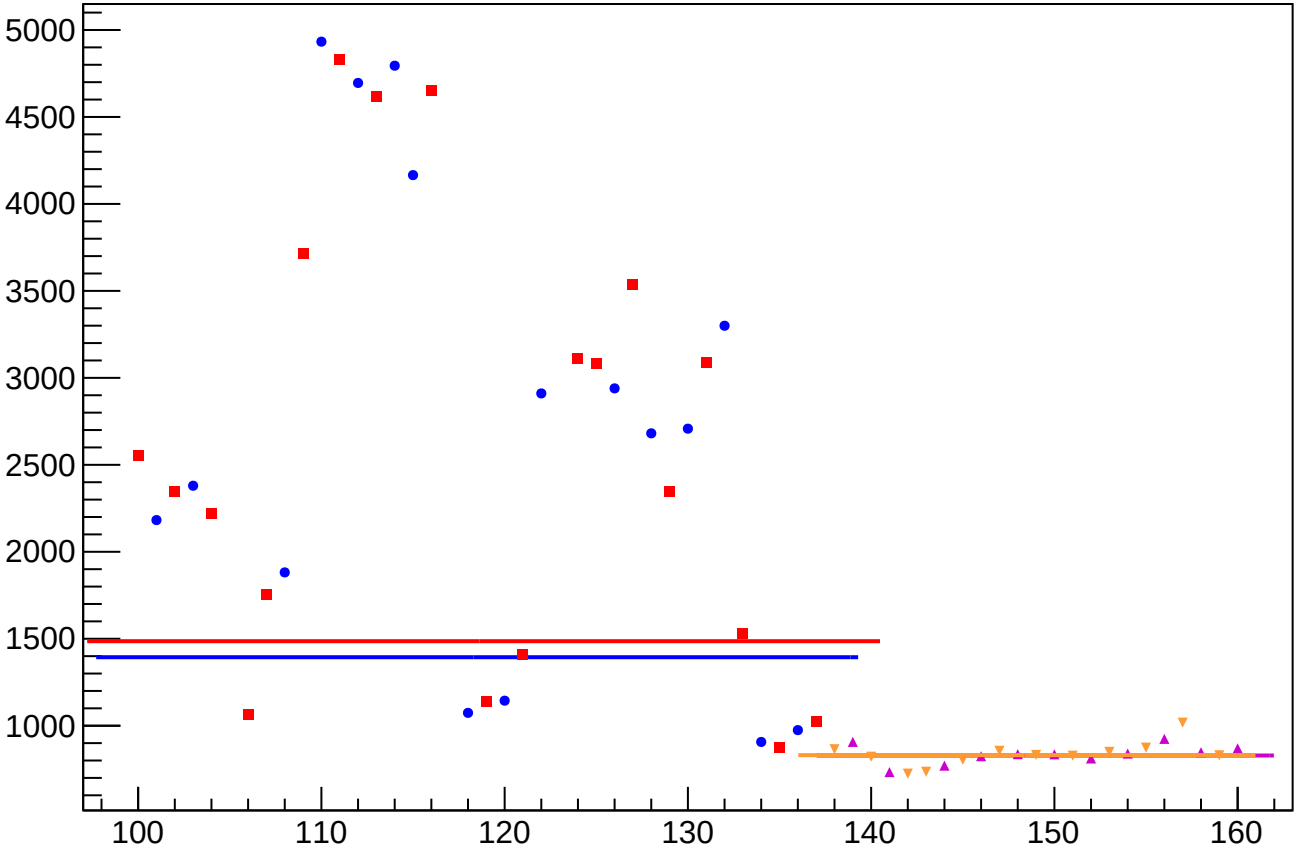
Left In: -0.144+/-0.269 χ^2/NDF:17.4/10

+ sign 0.515+/-0.246 χ^2/NDF: 24.2/27

All: 0.162+/-0.175 χ^2/NDF: 73.9/57

- 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: 830.908+/-0.191 χ^2/NDF:112999.2/11

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

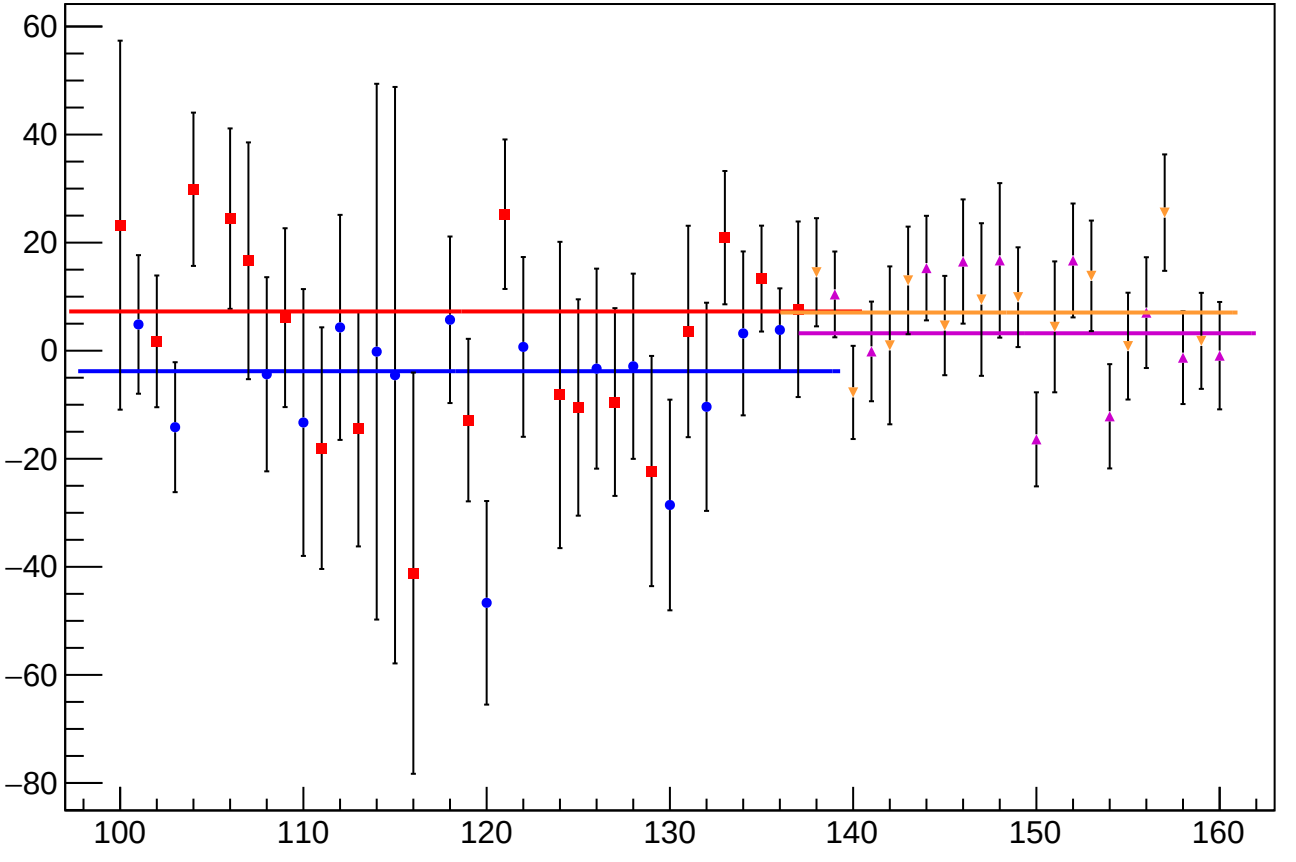
Left In: 828.805+/-0.190 χ^2/NDF:76191.3/10

+ sign 925.843+/-0.174 χ^2/NDF: 4957383.9/27

All: 927.448+/-0.124 χ^2/NDF: 10254267.5/57

- 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: 7.064+/-2.953 χ^2/NDF:8.4/11

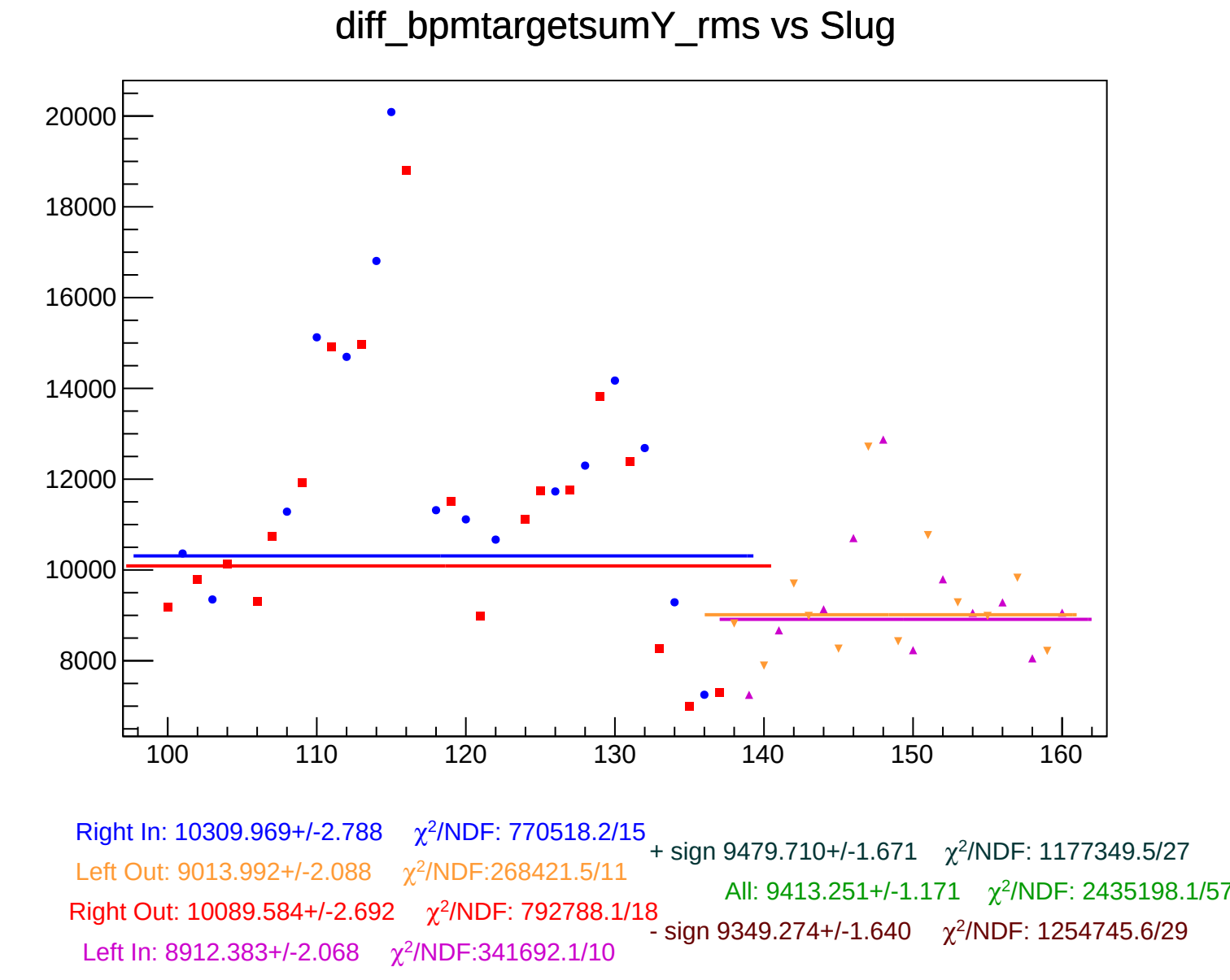
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: 3.227+/-2.925 χ^2/NDF:14.6/10

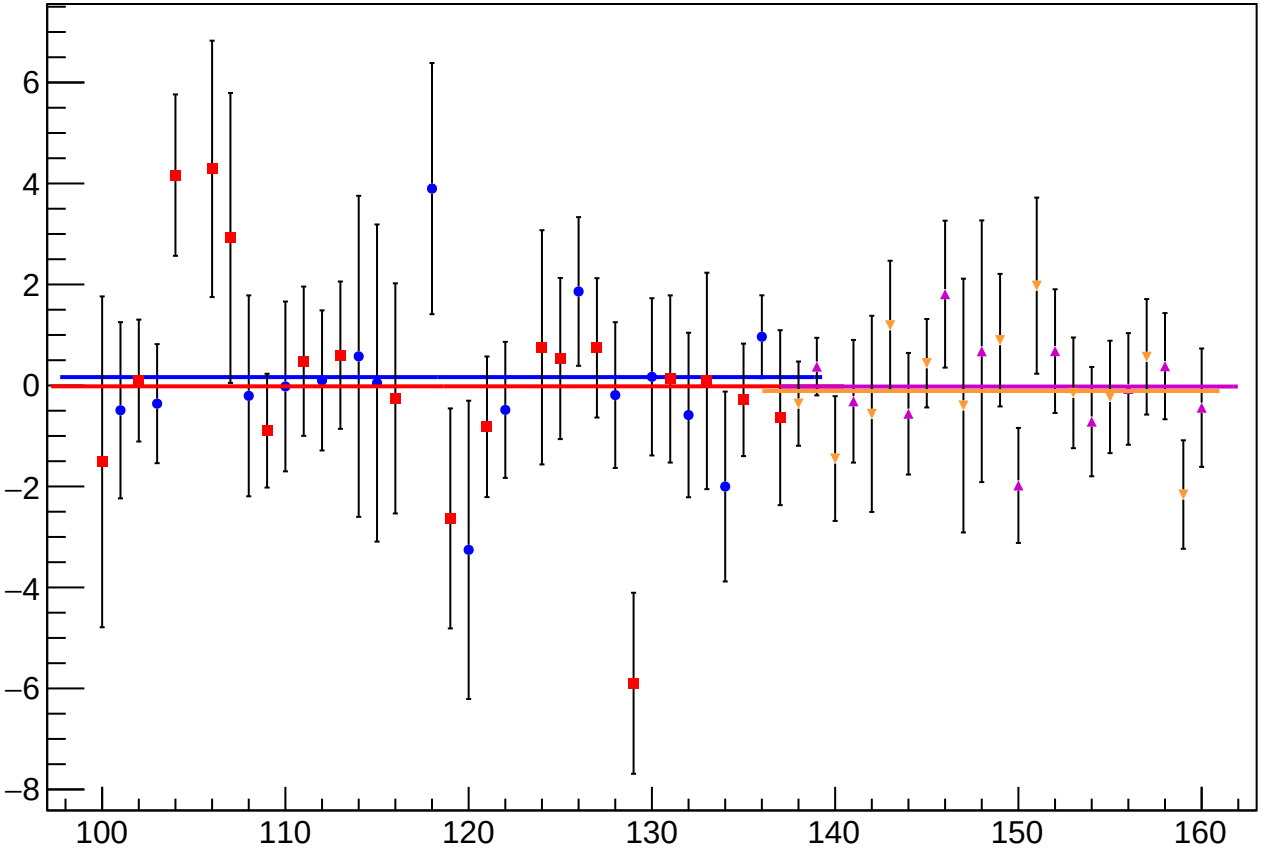
+ sign 3.162+/-2.364 χ^2/NDF: 23.3/27

All: 3.958+/-1.655 χ^2/NDF: 56.1/57

- 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: 9013.992+/-2.088 χ²/NDF:268421.5/11
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 8912.383+/-2.068 χ²/NDF:341692.1/10
+ sign 9479.710+/-1.671 χ²/NDF: 1177349.5/27
All: 9413.251+/-1.171 χ²/NDF: 2435198.1/57
- sign 9349.274+/-1.640 χ²/NDF: 1254745.6/29

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.110+/-0.341 χ^2/NDF:8.8/11

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

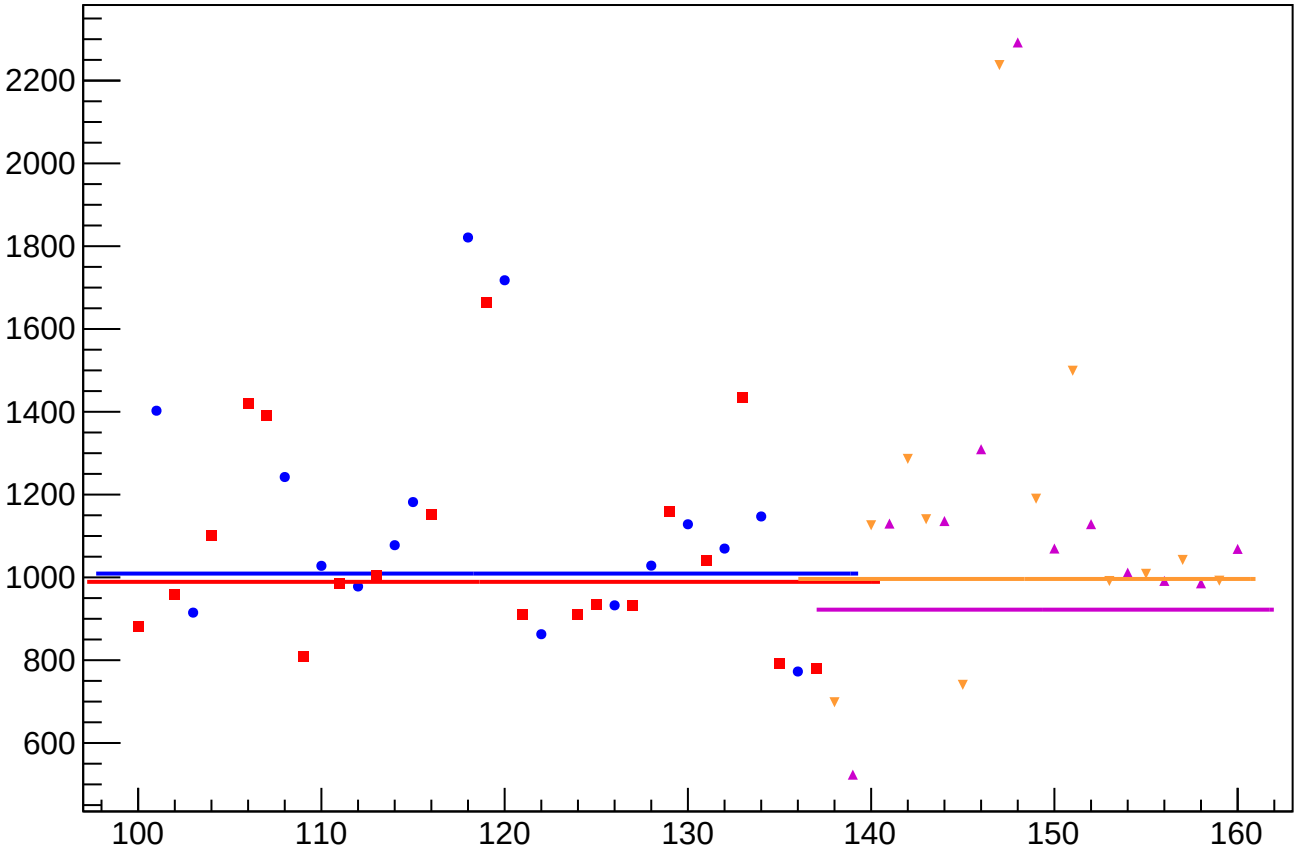
Left In: -0.021+/-0.319 χ^2/NDF:6.4/10

+ sign 0.011+/-0.256 χ^2/NDF: 17.2/27

All: -0.005+/-0.176 χ^2/NDF: 48.7/57

- 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: 996.223+/-0.241 χ^2/NDF:1219107.7/11

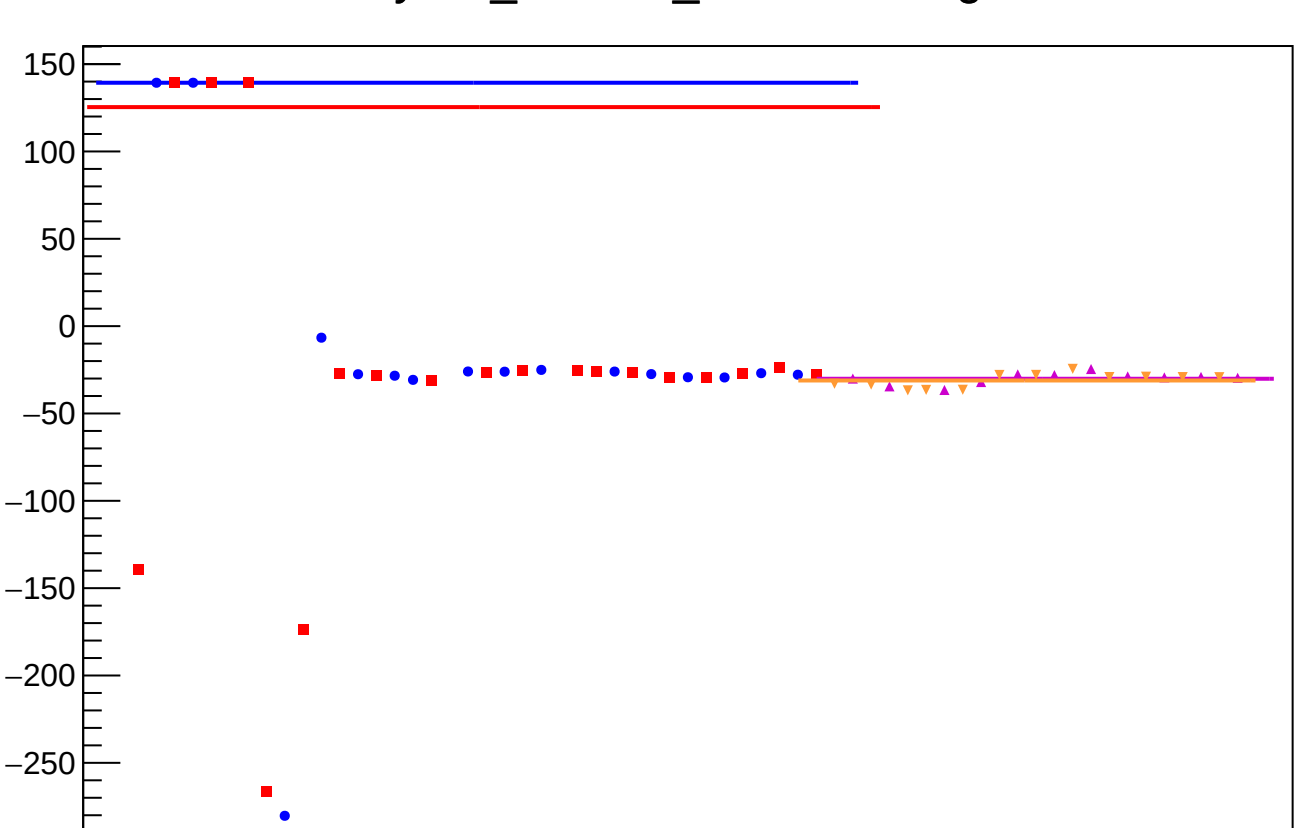
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 922.053+/-0.226 χ^2/NDF:1950114.5/10

+ sign 1001.911+/-0.181 χ^2/NDF: 1919685.0/27

All: 974.869+/-0.124 χ^2/NDF: 4525640.6/57

- 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: -31.110+/-0.000 χ^2/NDF:76740103.3/11

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

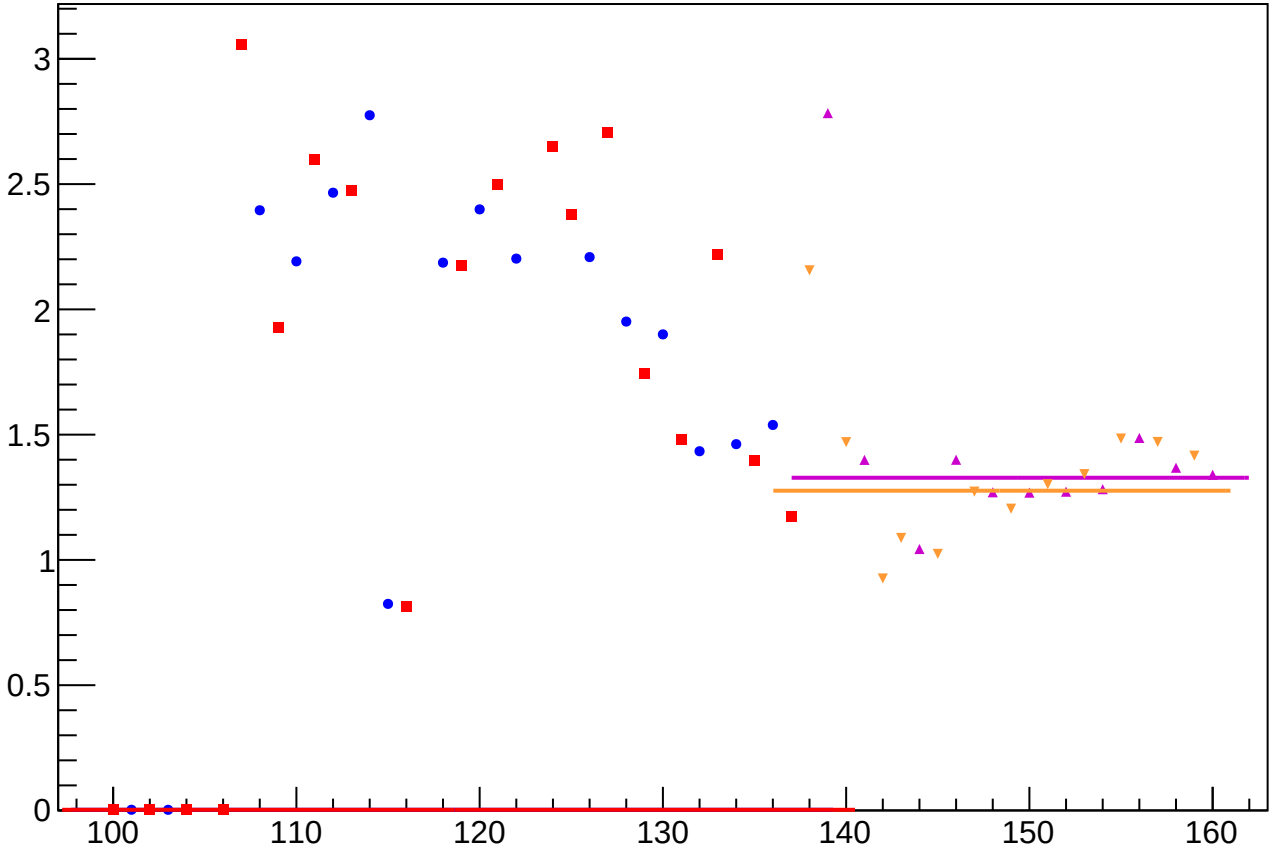
Left In: -30.124+/-0.000 χ^2/NDF:52392457.7/10

+ sign 139.332+/-0.000 χ^2/NDF: 178974527408.8/2

All: 131.815+/-0.000 χ^2/NDF: 79323823859

- sign 125.389+/-0.000 χ^2/NDF: 774277079375167

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.276+/-0.000 χ^2/NDF:504499.1/11

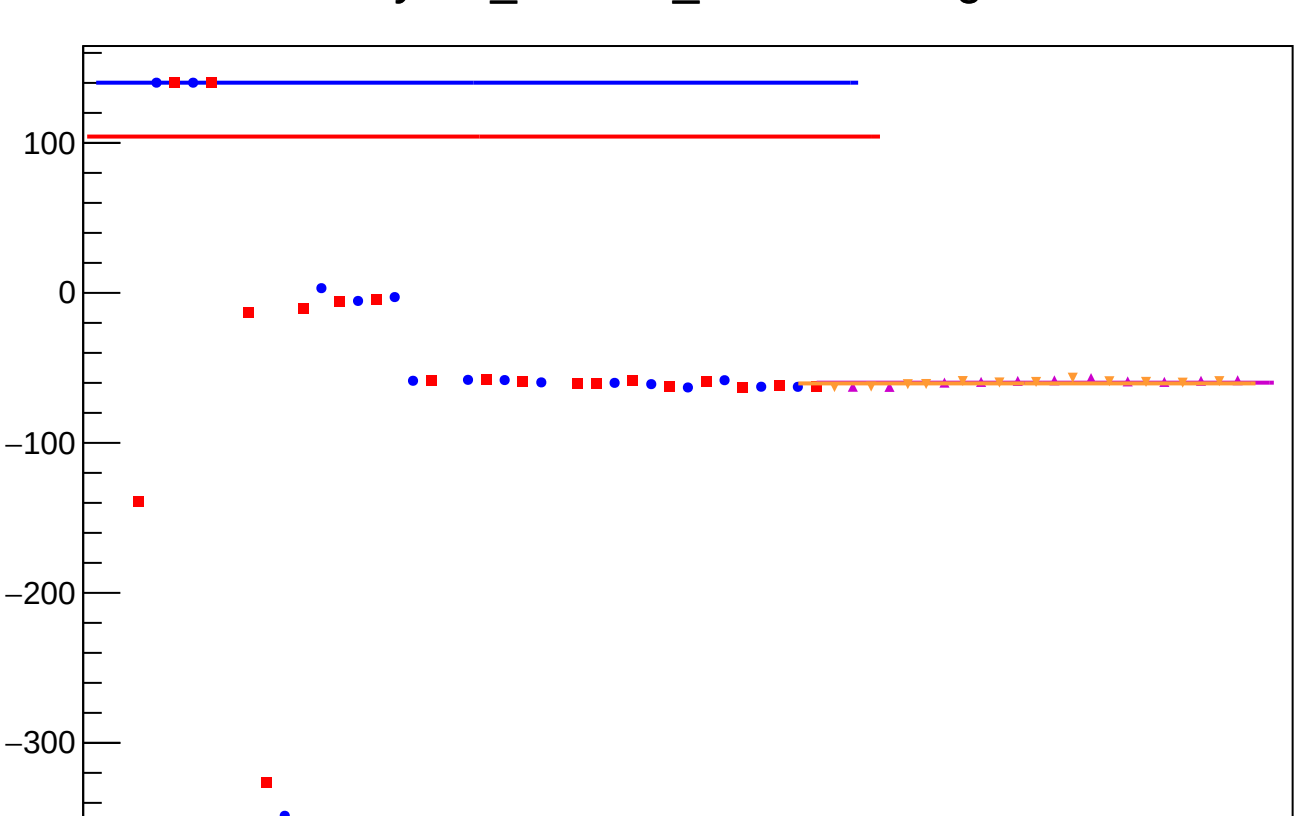
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.328+/-0.000 χ^2/NDF:583996.7/10

\+ sign 0.003+/-0.000 χ^2/NDF: 24788920.7/27

All: 0.003+/-0.000 χ^2/NDF: 50199596.0/57

\- 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: -60.345+/-0.000 χ^2/NDF:38548950.1/11

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

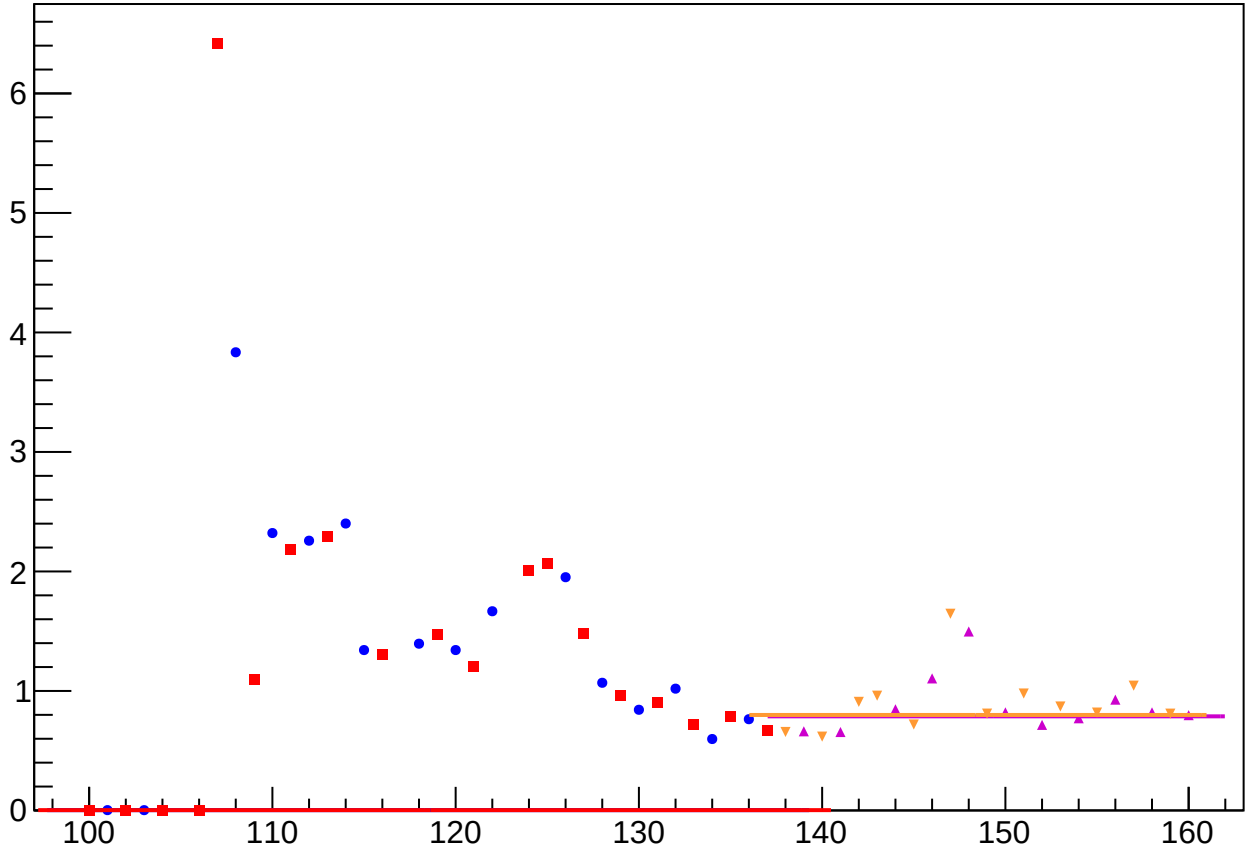
Left In: -59.857+/-0.000 χ^2/NDF:50125453.2/10

+ sign 140.131+/-0.000 χ^2/NDF: 629327273174.0/2

All: 120.821+/-0.000 χ^2/NDF: 13816327063

- 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: 0.799+/-0.000 χ^2/NDF:764120.0/11

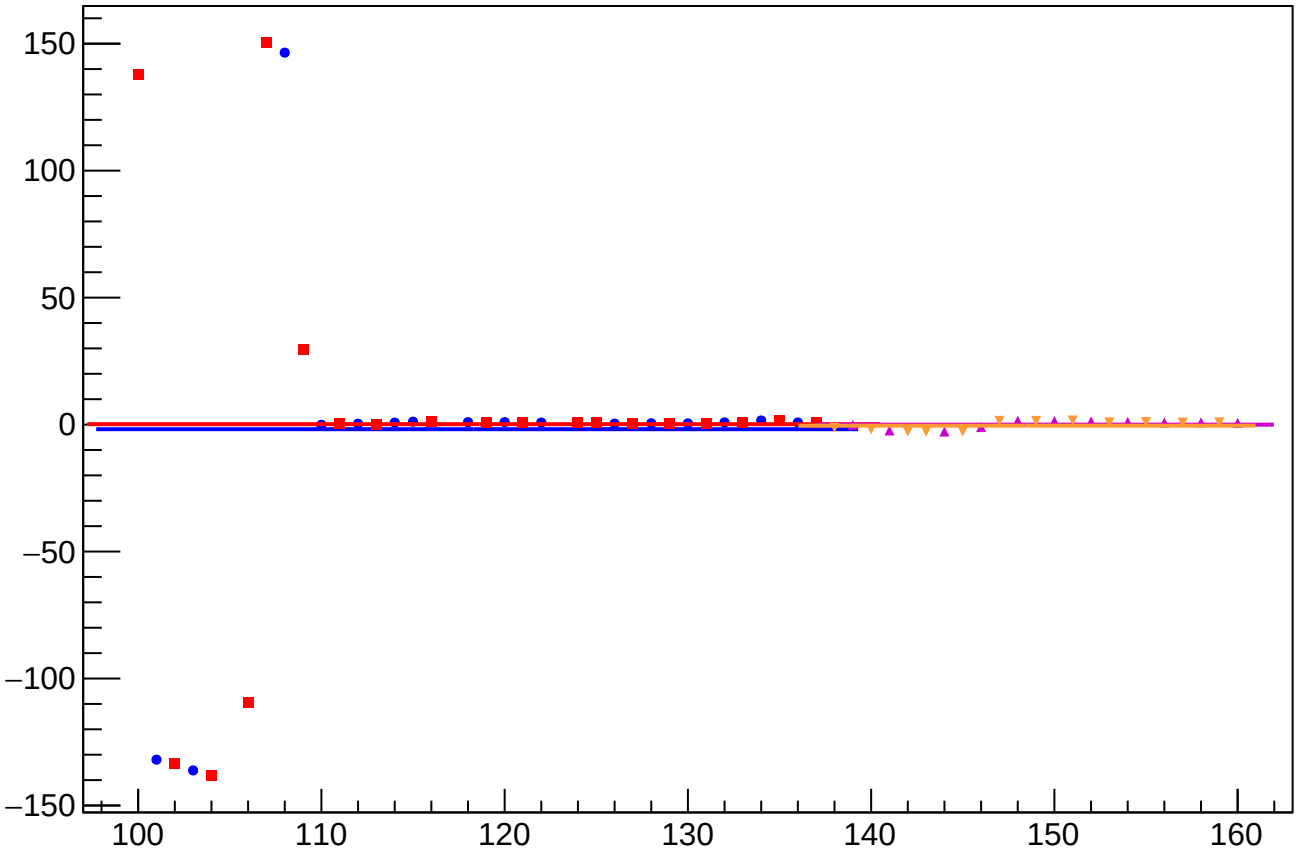
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.788+/-0.000 χ^2/NDF:599795.7/10

+ sign 0.003+/-0.000 χ^2/NDF: 25285045.8/27

All: 0.003+/-0.000 χ^2/NDF: 50345572.1/57

- 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: -0.424+/-0.000 χ^2/NDF:82809149.5/11

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

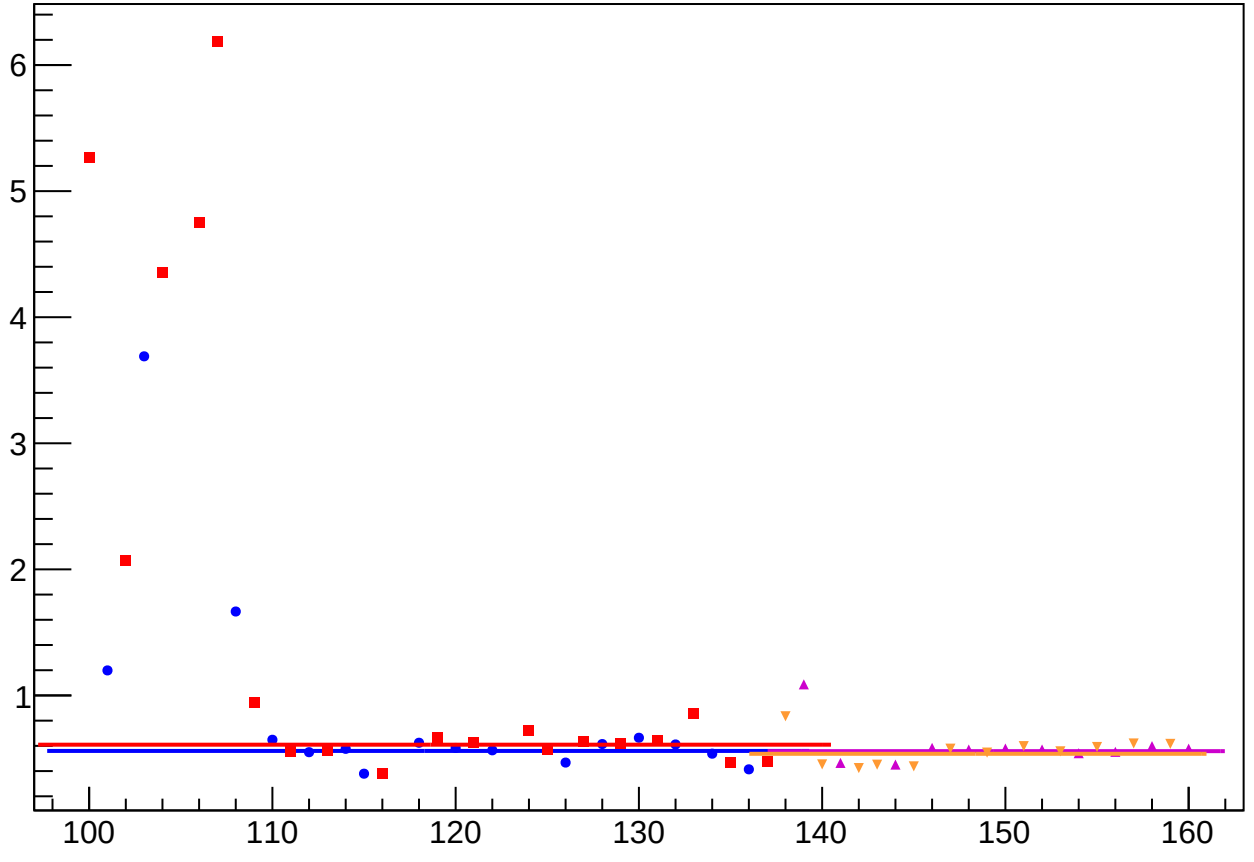
Left In: -0.016+/-0.000 χ^2/NDF:60611352.6/10

+ sign -0.965+/-0.000 χ^2/NDF: 9989168910.1/27

All: -0.484+/-0.000 χ^2/NDF: 13681572442.4/

- 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: 0.537+/-0.000 χ^2/NDF:435226.9/11

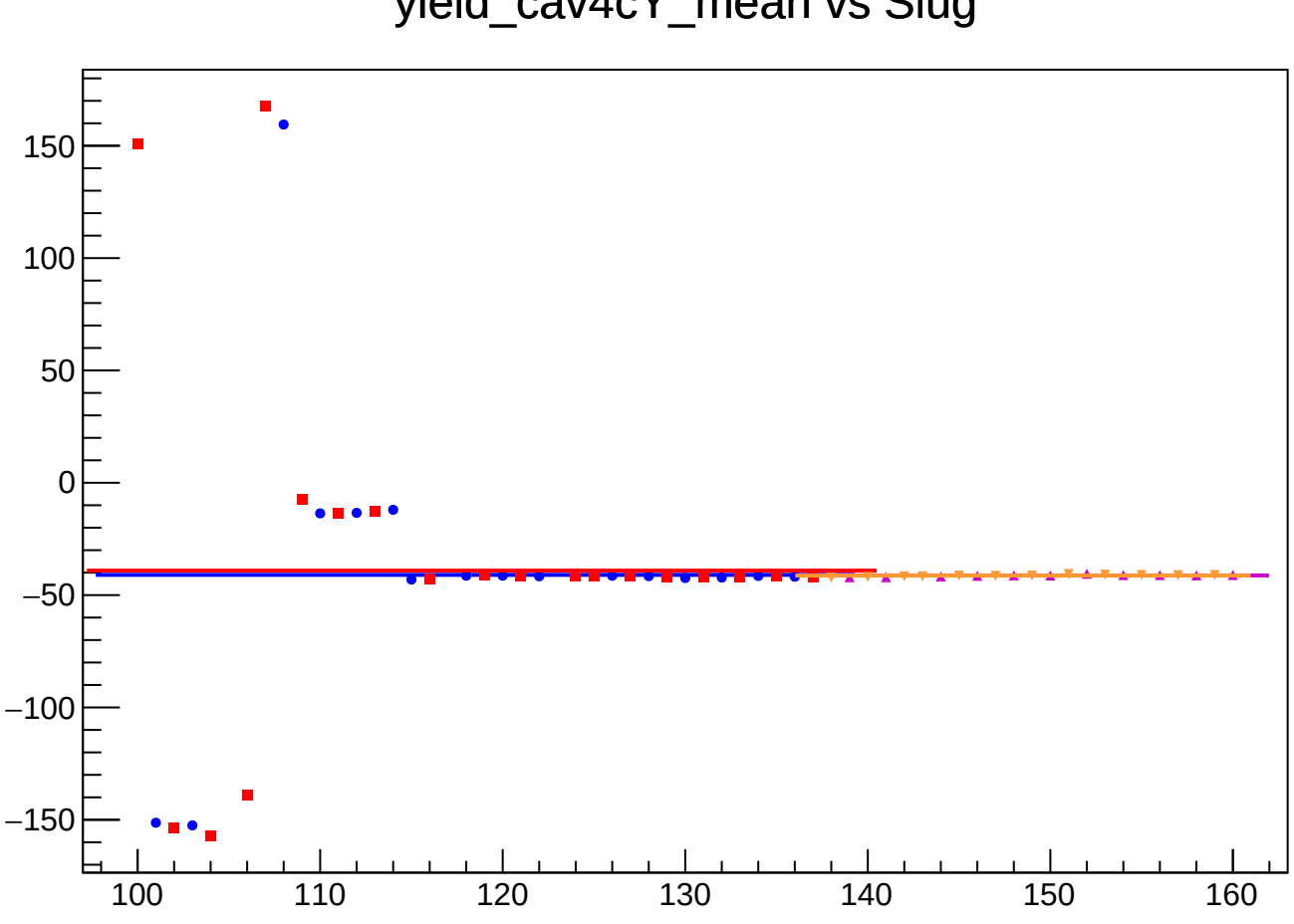
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.558+/-0.000 χ^2/NDF:536828.5/10

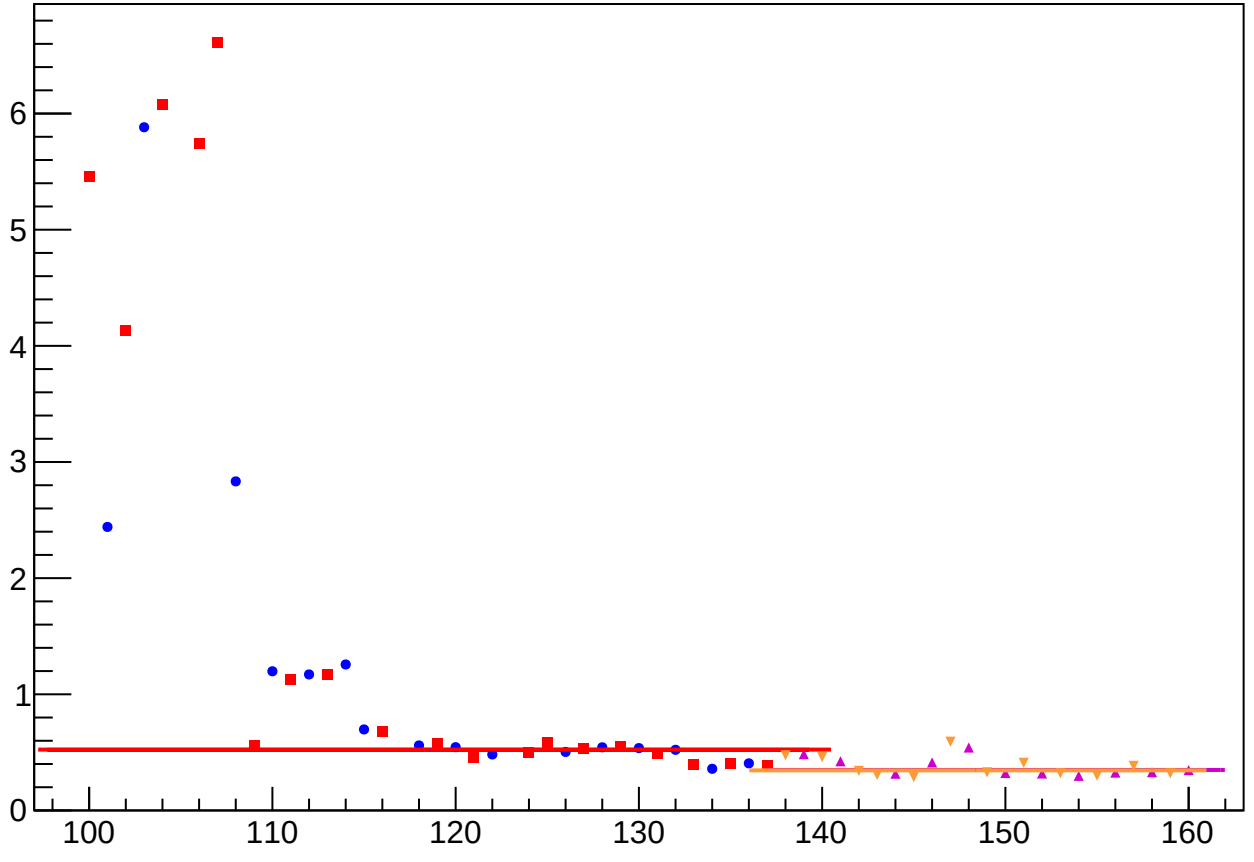
+ sign 0.546+/-0.000 χ^2/NDF: 2043927.2/27

All: 0.560+/-0.000 χ^2/NDF: 5138699.5/57

- sign 0.576+/-0.000 χ^2/NDF: 3058155.2/29


yield_cav4cY_mean vs Slug
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
Right In: -40.987+/-0.000 χ²/NDF: 3449622021.8/15
Left Out: -41.297+/-0.000 χ²/NDF:9650118.9/11
Right Out: -39.101+/-0.000 χ²/NDF: 2480133442.0/18
Left In: -41.236+/-0.000 χ²/NDF:12285997.2/10
+ sign -41.234+/-0.000 χ²/NDF: 3460687416.6/27
All: -41.024+/-0.000 χ²/NDF: 6026609786.5/
- sign -40.812+/-0.000 χ²/NDF: 2557840987.1/29

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.345+/-0.000 χ^2/NDF:675824.9/11

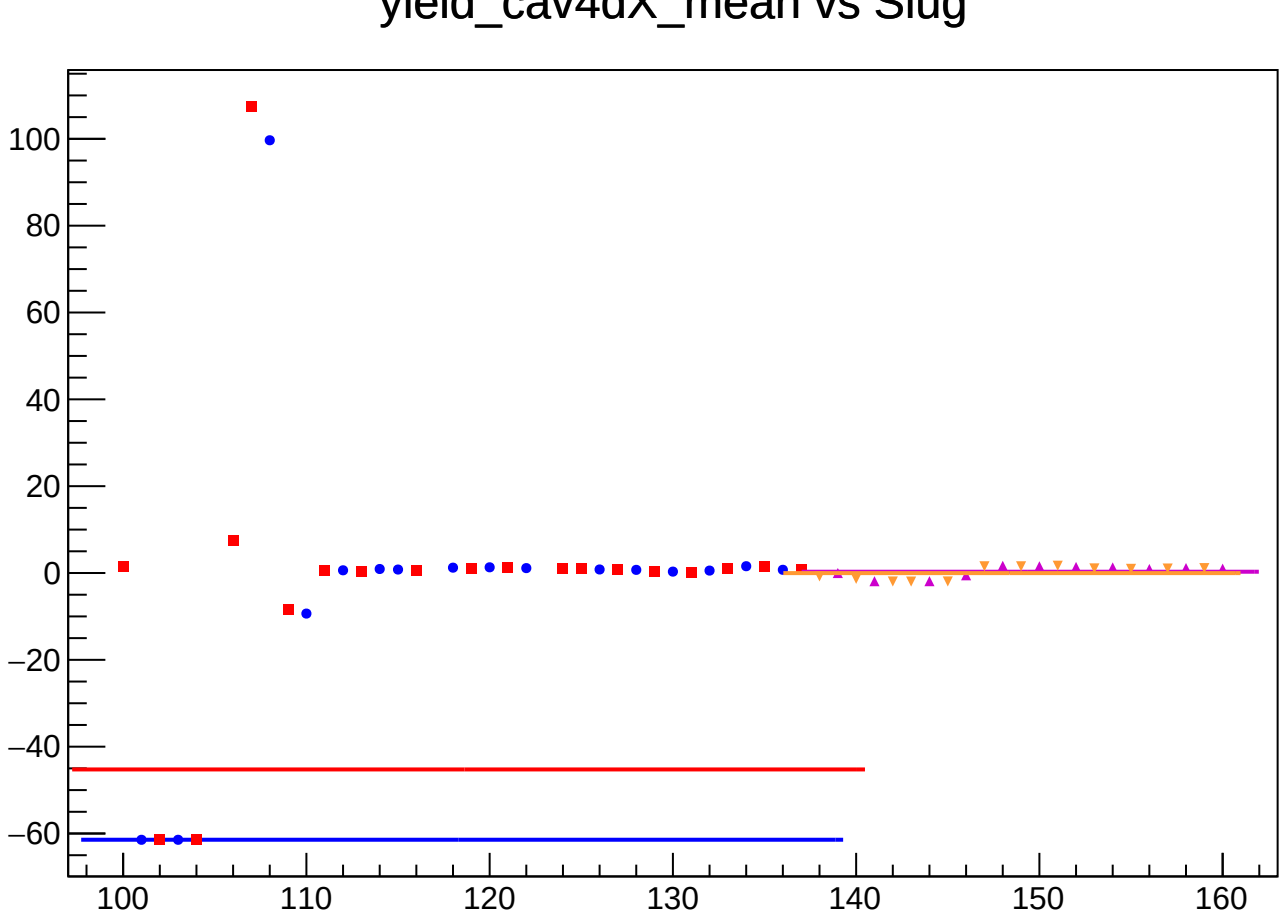
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.349+/-0.000 χ^2/NDF:515362.0/10

+ sign 0.381+/-0.000 χ^2/NDF: 4543690.9/27

All: 0.382+/-0.000 χ^2/NDF: 9206356.3/57

- sign 0.383+/-0.000 χ^2/NDF: 4662167.2/29



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -0.025+/-0.000 χ^2/NDF:82865570.7/11

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

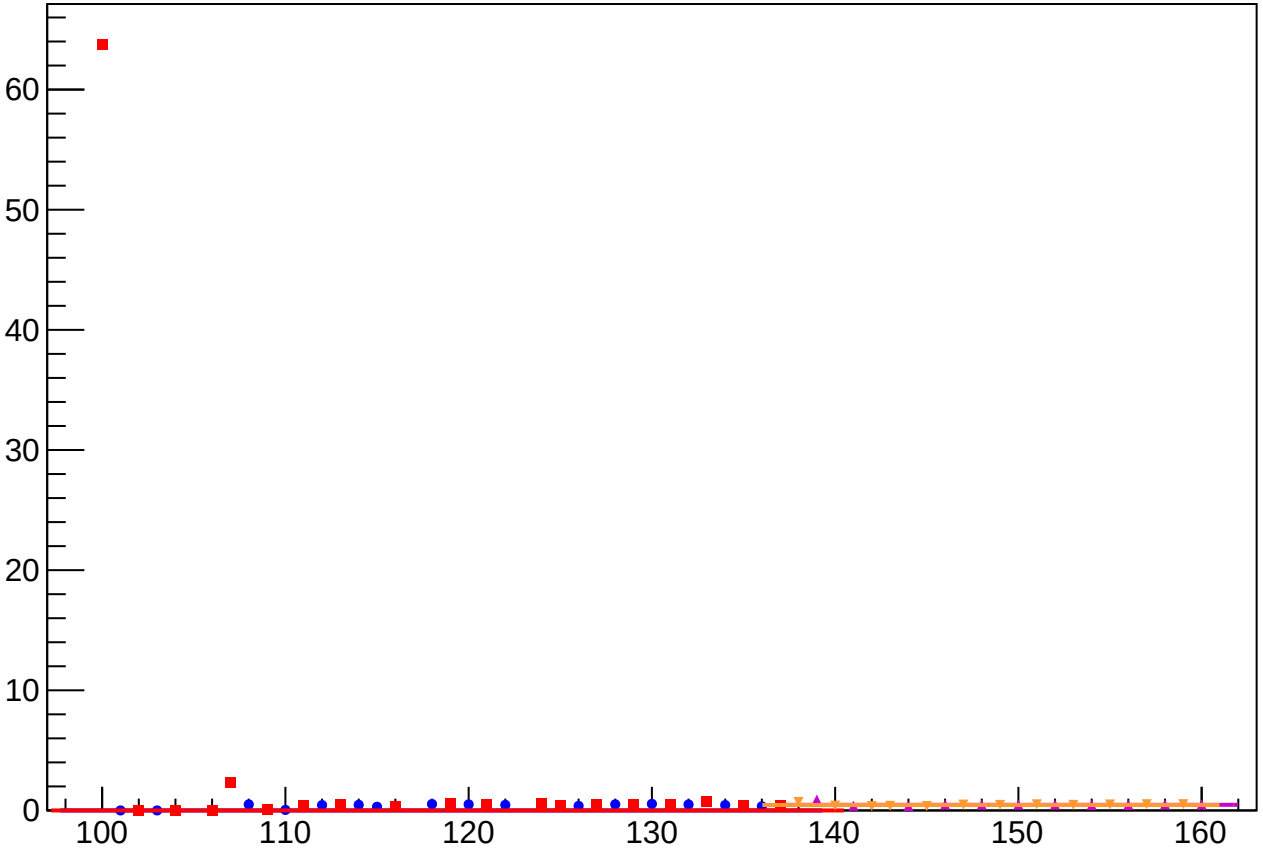
Left In: 0.295+/-0.000 χ^2/NDF:65646389.4/10

+ sign -61.430+/-0.000 χ^2/NDF: 408637881542.3/2

All: -52.744+/-0.000 χ^2/NDF: 409318486064

- 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: 0.454+/-0.000 χ^2/NDF:426340.2/11

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

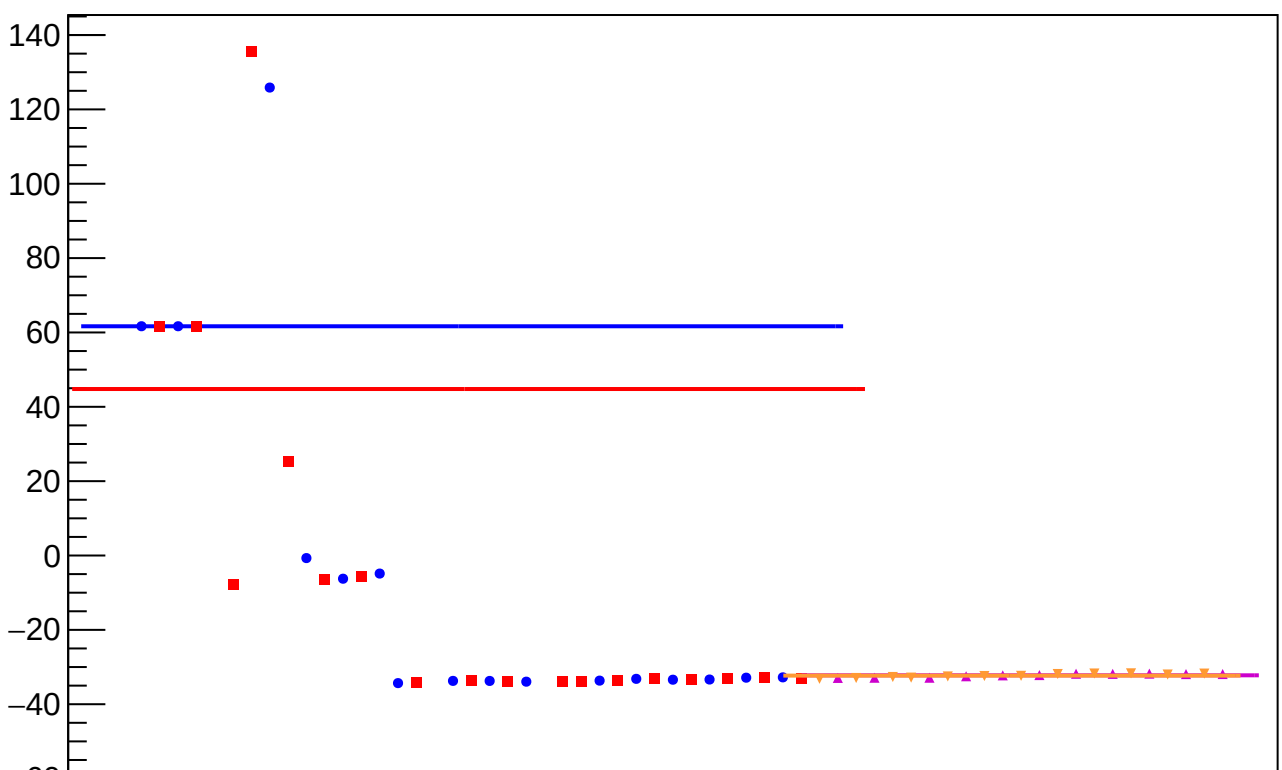
Left In: 0.469+/-0.000 χ^2/NDF:533323.4/10

+ sign 0.002+/-0.000 χ^2/NDF: 24228634.7/27

All: 0.002+/-0.000 χ^2/NDF: 49144204.0/57

- 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: -32.304+/-0.000 χ^2/NDF:25077559.6/11

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

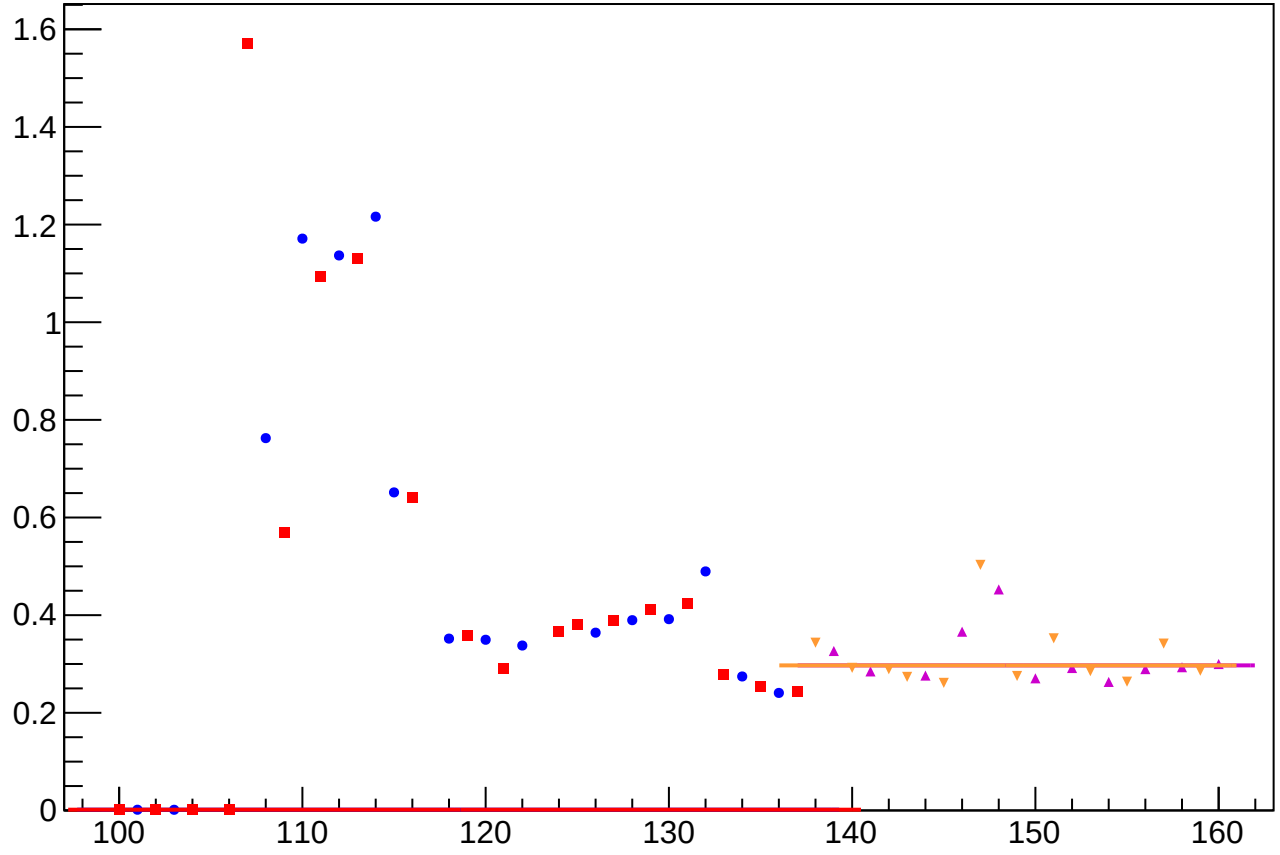
Left In: -32.224+/-0.000 χ^2/NDF:21115963.6/10

+ sign 61.634+/-0.000 χ^2/NDF: 1260402680418.2/2

All: 52.665+/-0.000 χ^2/NDF: 419035283038

- sign 44.765+/-0.000 χ^2/NDF: 366702041335300.0

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:443197.8/11

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

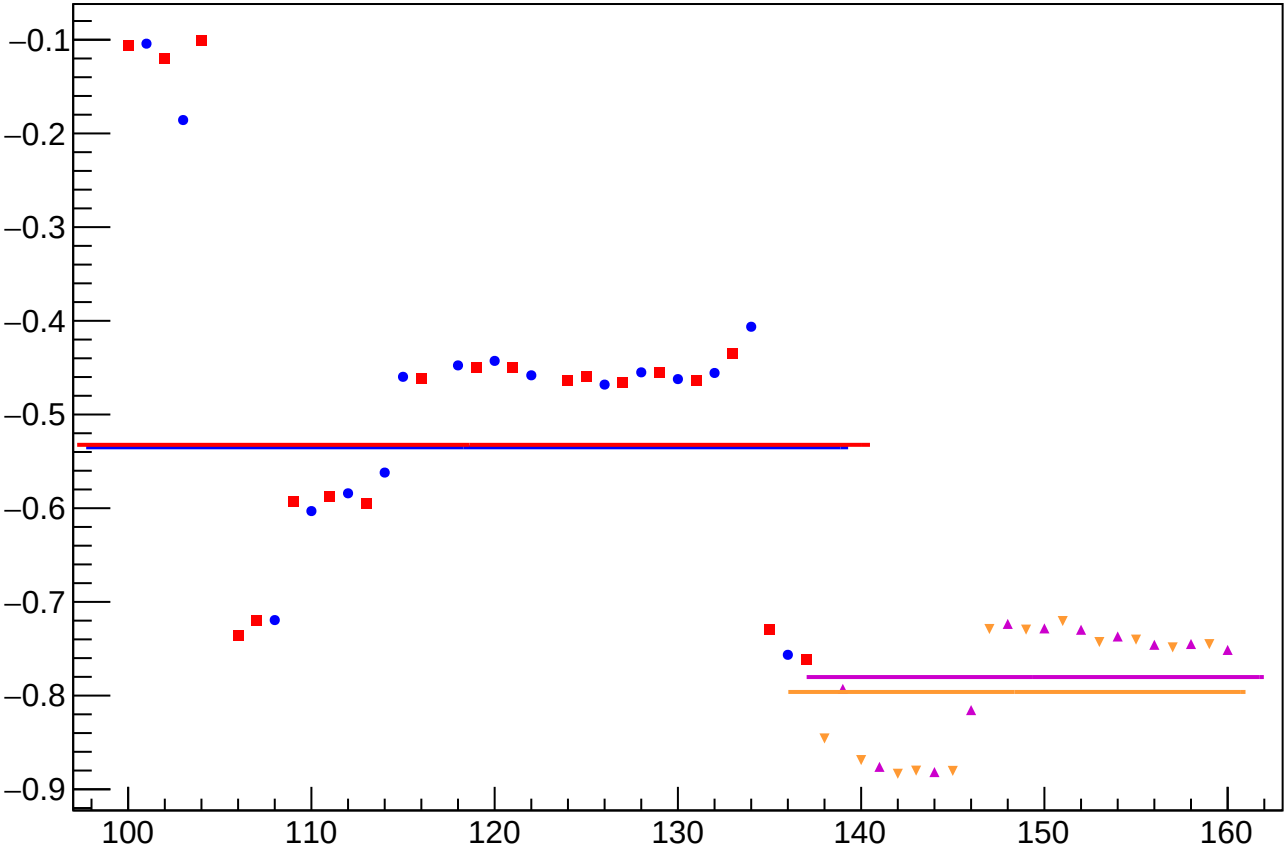
Left In: 0.297+/-0.000 χ^2/NDF:319176.2/10

+ sign 0.002+/-0.000 χ^2/NDF: 29101545.3/27

All: 0.002+/-0.000 χ^2/NDF: 57874559.9/57

- 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: -0.796+/-0.000 χ^2/NDF:92640863.1/11

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

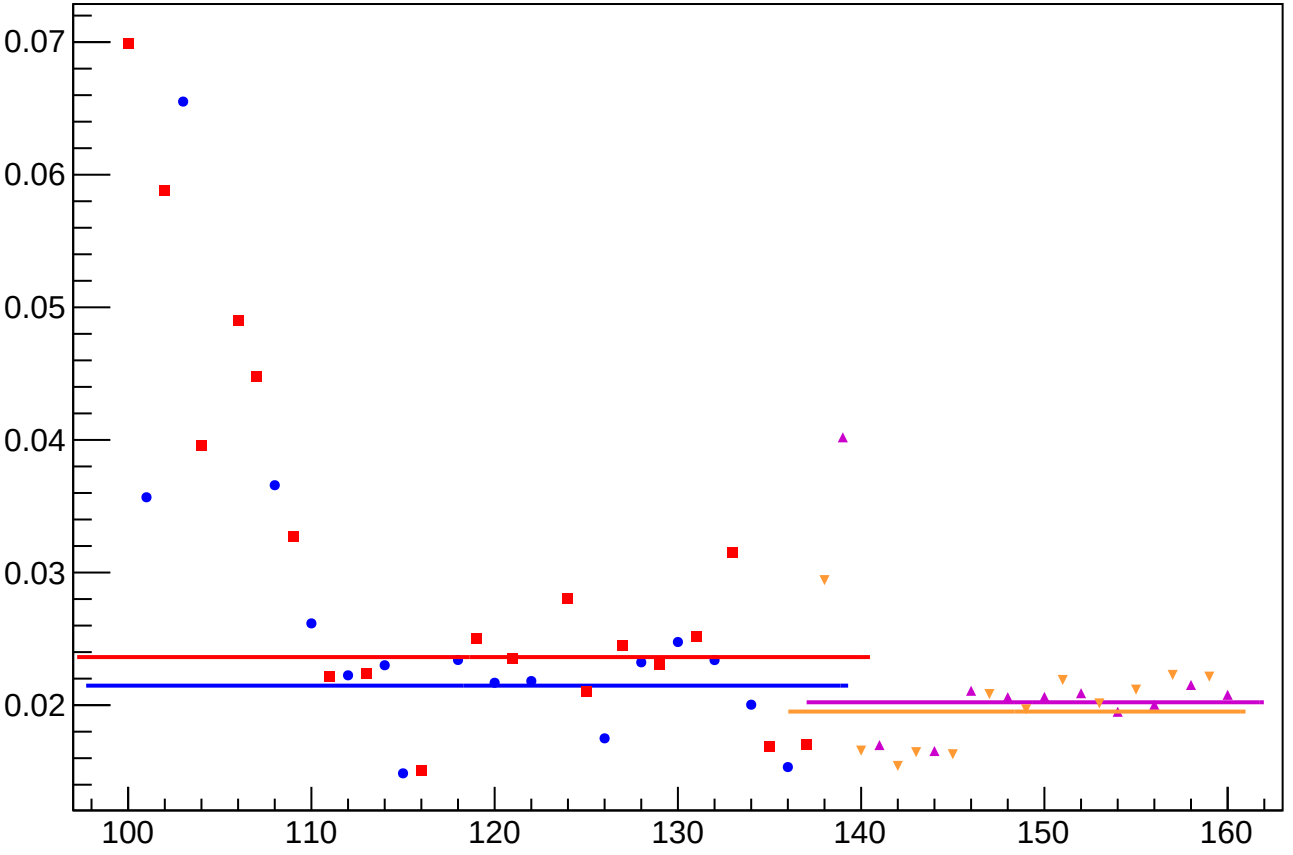
Left In: -0.780+/-0.000 χ^2/NDF:68987178.0/10

+ sign -0.698+/-0.000 χ^2/NDF: 887932038.6/27

All: -0.696+/-0.000 χ^2/NDF: 1569586794.1/5

- 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: 0.020+/-0.000 χ^2/NDF:382594.2/11

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

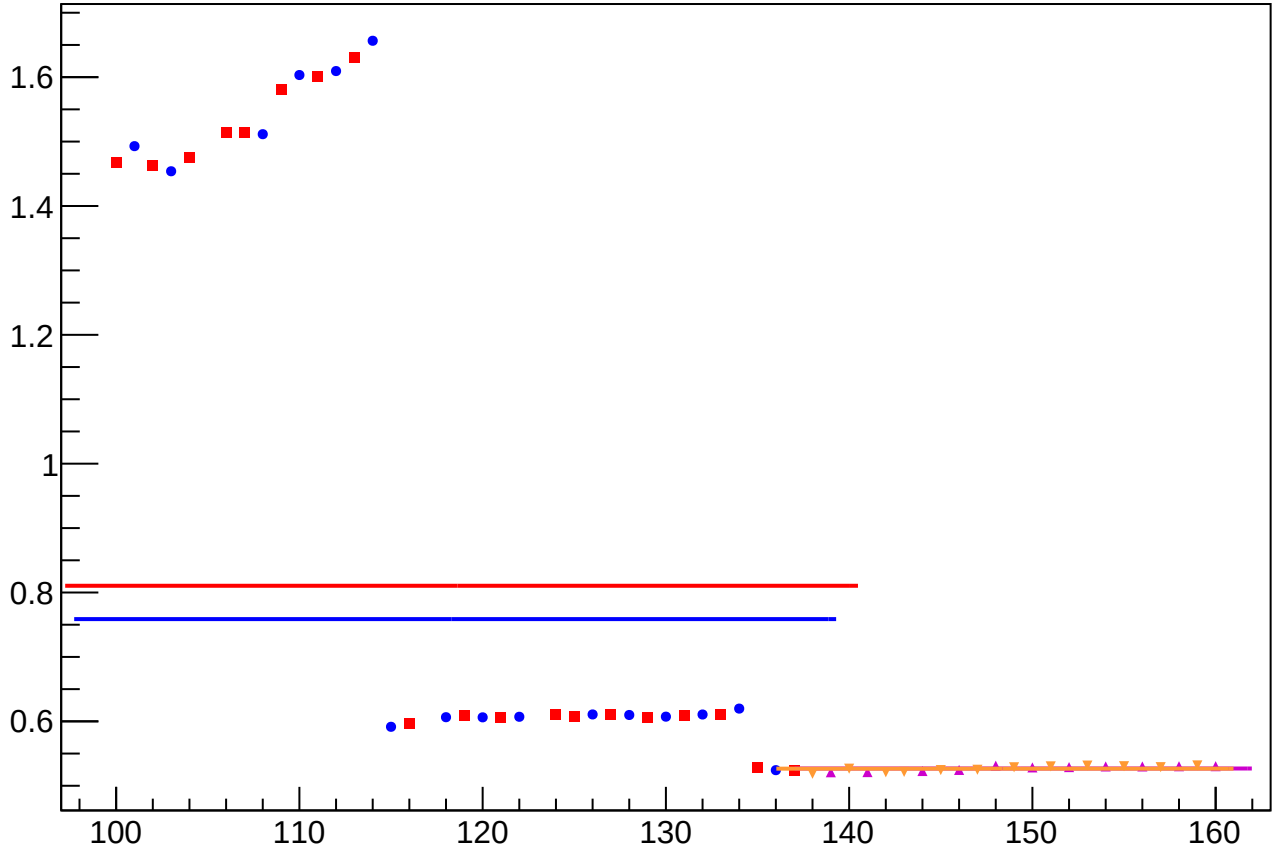
Left In: 0.020+/-0.000 χ^2/NDF:537812.8/10

+ sign 0.020+/-0.000 χ^2/NDF: 1592011.4/27

All: 0.021+/-0.000 χ^2/NDF: 3597726.2/57

- 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:1078334.8/11

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

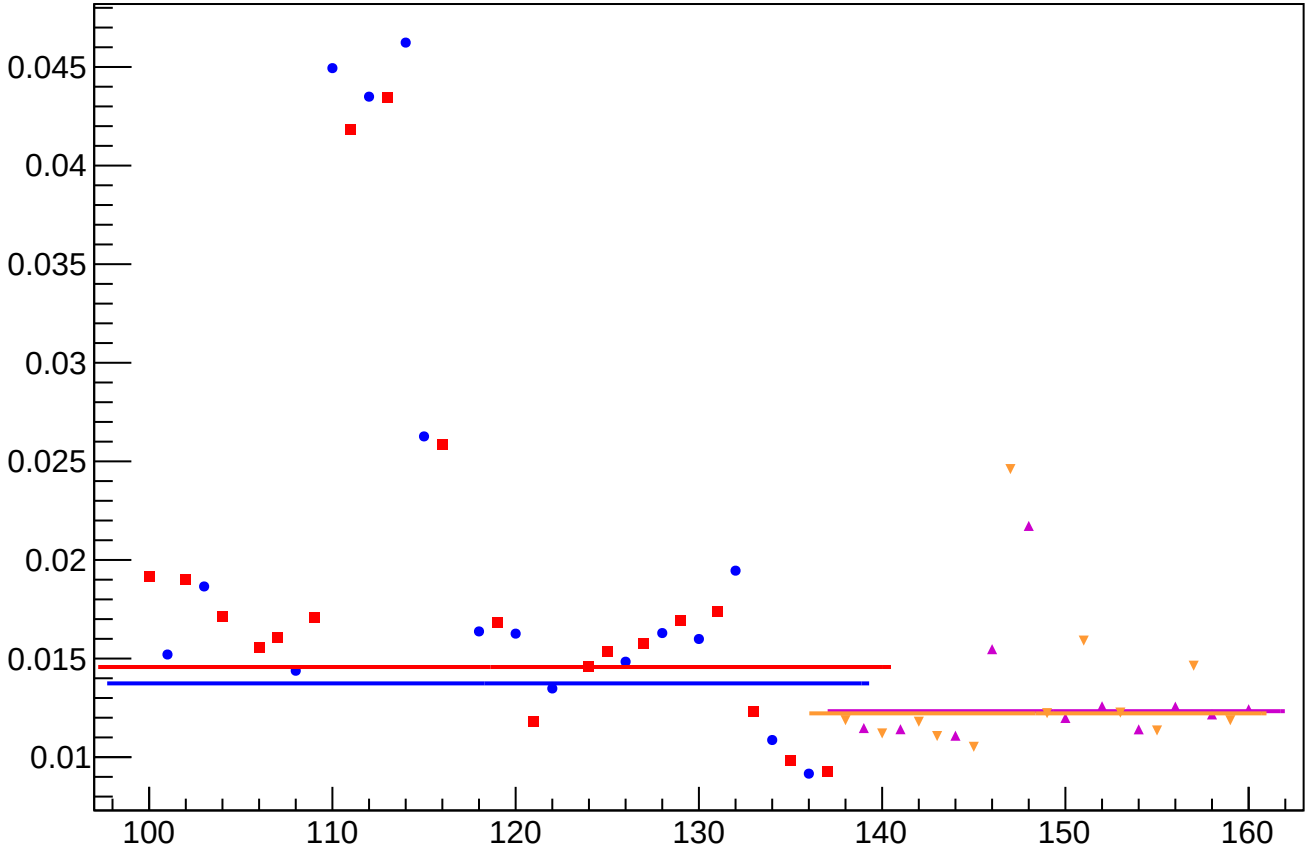
Left In: 0.527+/-0.000 χ^2/NDF:871916.7/10

+ sign 0.607+/-0.000 χ^2/NDF: 5415294956.1/27

All: 0.614+/-0.000 χ^2/NDF: 11774260652.7/5

- 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:613205.1/11

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

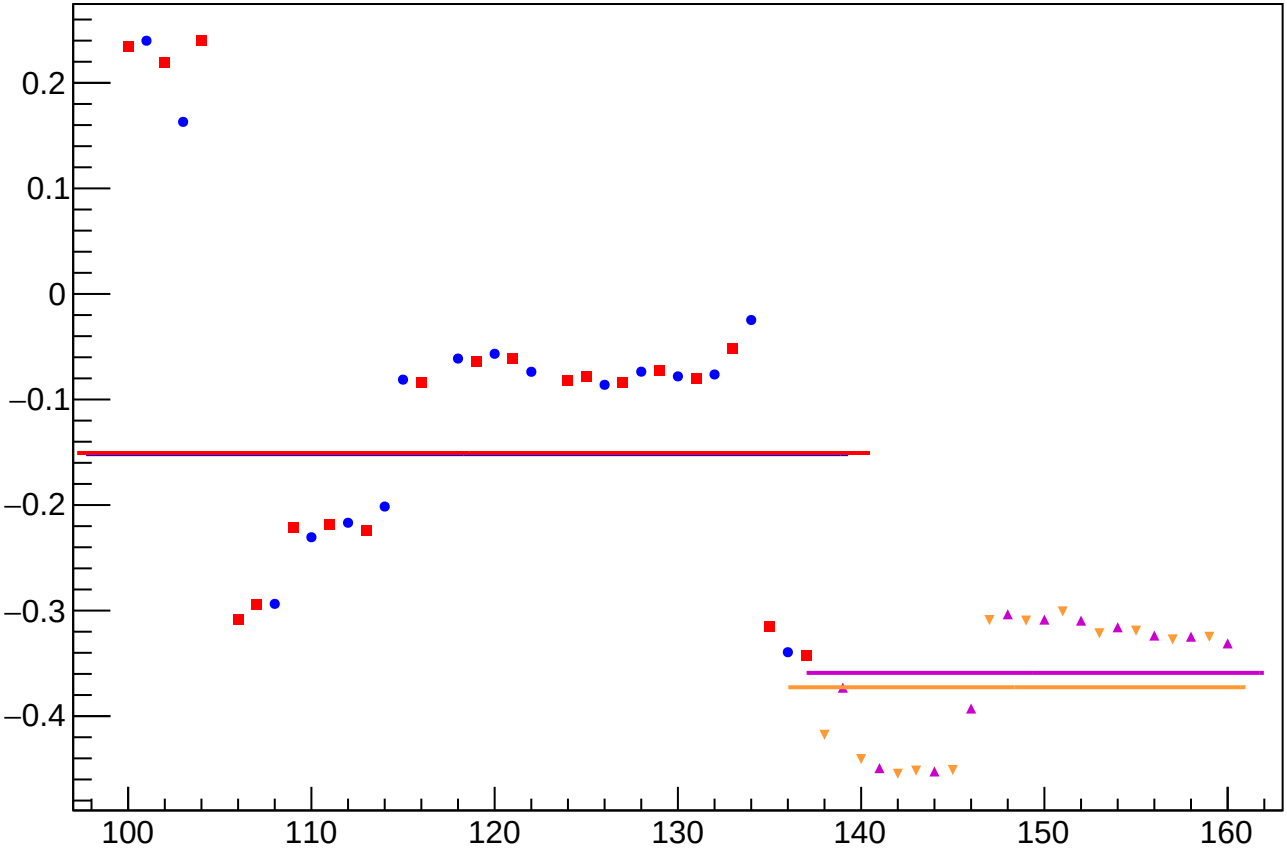
Left In: 0.012+/-0.000 χ^2/NDF:416343.5/10

+ sign 0.013+/-0.000 χ^2/NDF: 2358148.9/27

All: 0.013+/-0.000 χ^2/NDF: 4436210.4/57

- 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: -0.373+/-0.000 χ^2/NDF:90694229.7/11

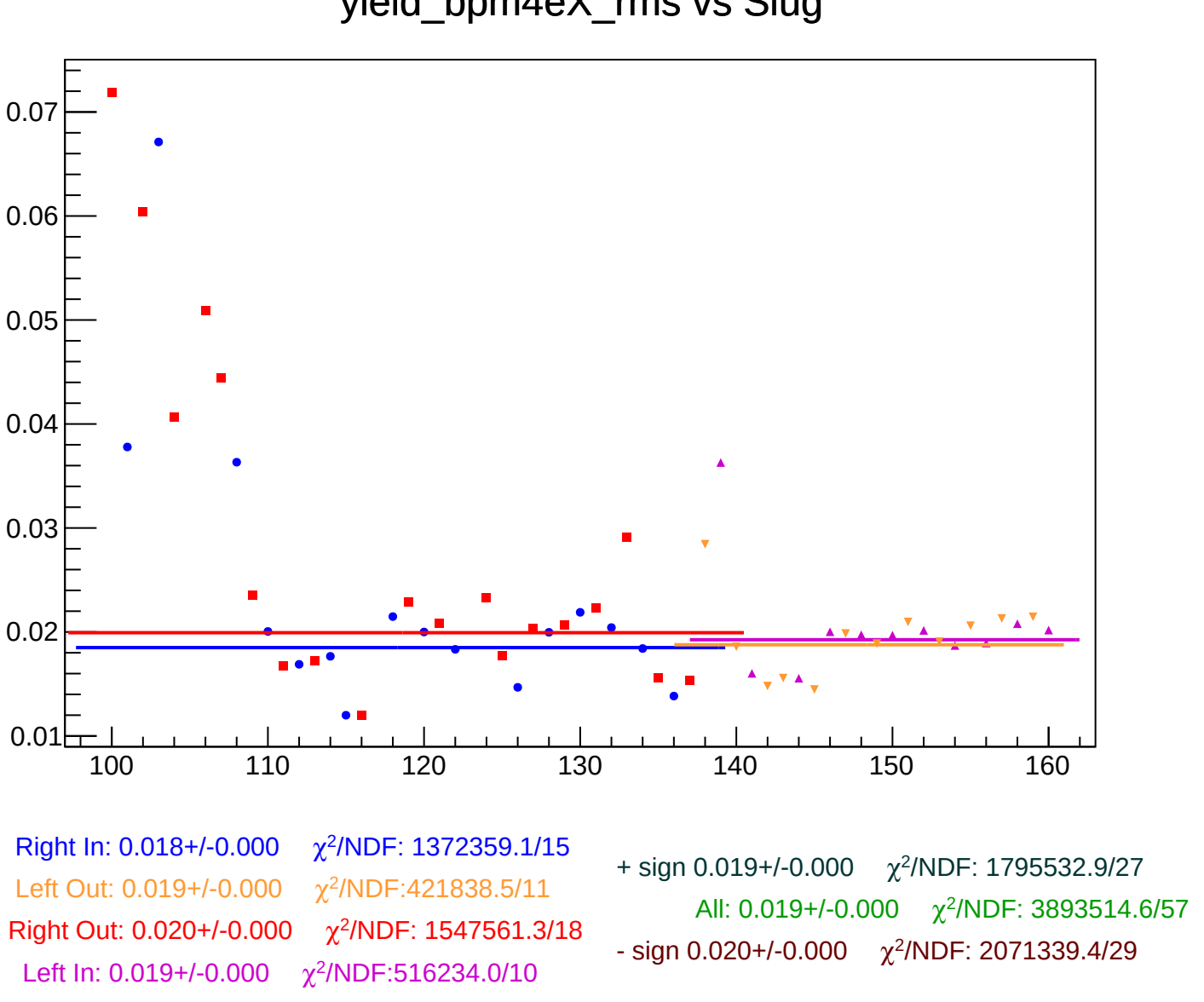
Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.359+/-0.000 χ^2/NDF:70234578.9/10

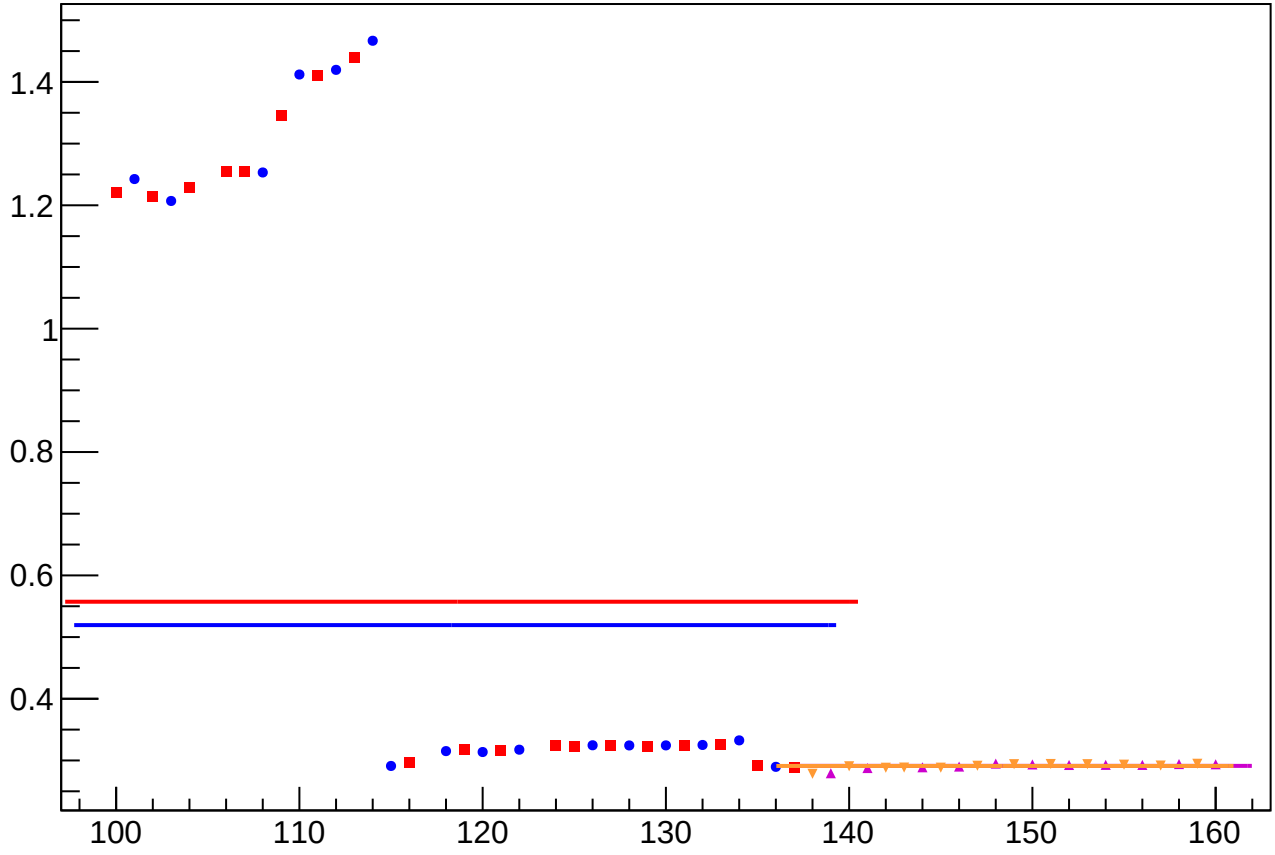
+ sign -0.279+/-0.000 χ^2/NDF: 801625722.7/27

All: -0.278+/-0.000 χ^2/NDF: 1428019469.9/5

- sign -0.276+/-0.000 χ^2/NDF: 626137411.0/29


yield_bpm4eX_rms vs Slug
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
Right In: 0.018+/-0.000 χ²/NDF: 1372359.1/15
Left Out: 0.019+/-0.000 χ²/NDF:421838.5/11
Right Out: 0.020+/-0.000 χ²/NDF: 1547561.3/18
Left In: 0.019+/-0.000 χ²/NDF:516234.0/10
+ sign 0.019+/-0.000 χ²/NDF: 1795532.9/27
All: 0.019+/-0.000 χ²/NDF: 3893514.6/57
- sign 0.020+/-0.000 χ²/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:1125407.9/11

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

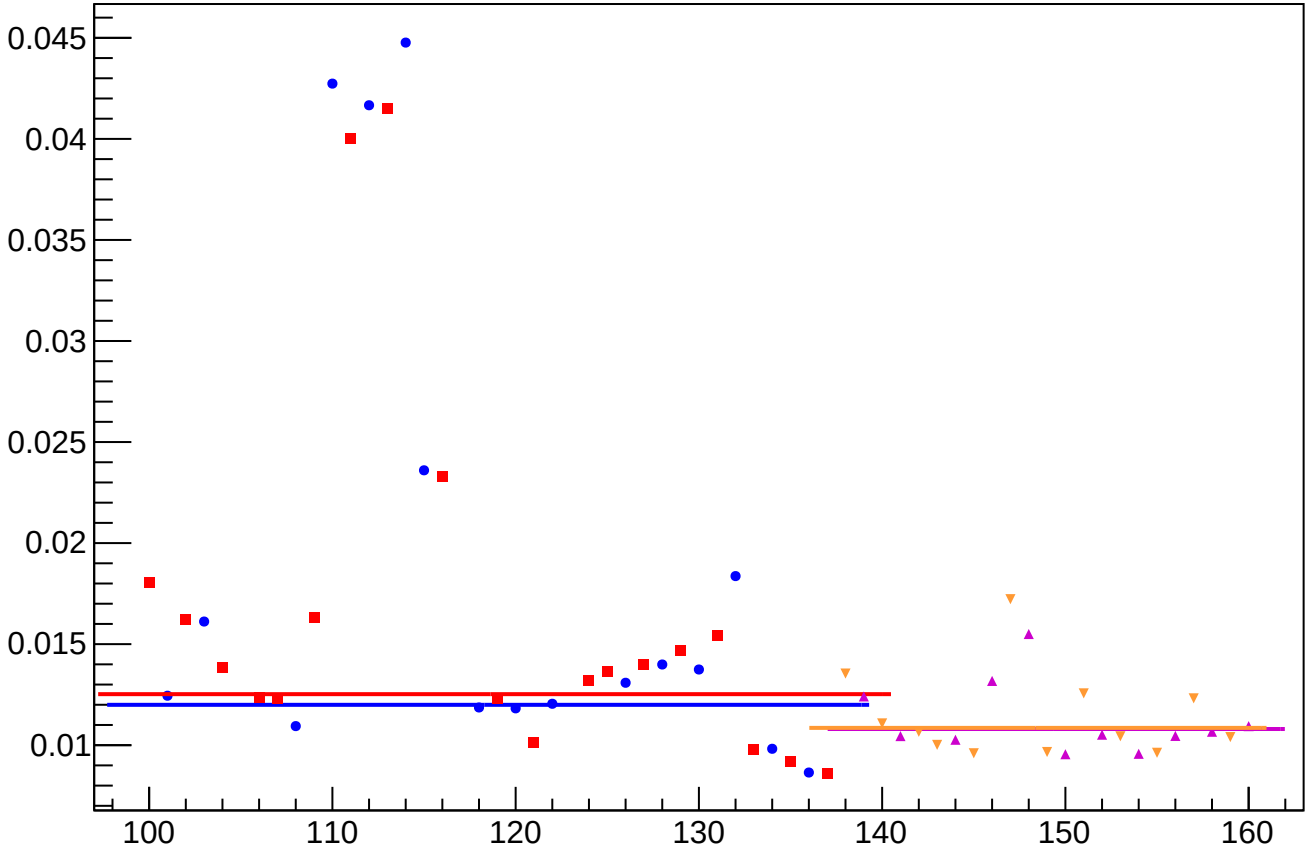
Left In: 0.291+/-0.000 χ^2/NDF:1167400.4/10

+ sign 0.372+/-0.000 χ^2/NDF: 7714931714.8/27

All: 0.376+/-0.000 χ^2/NDF: 16305083317.3/5

- 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:423628.0/11

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

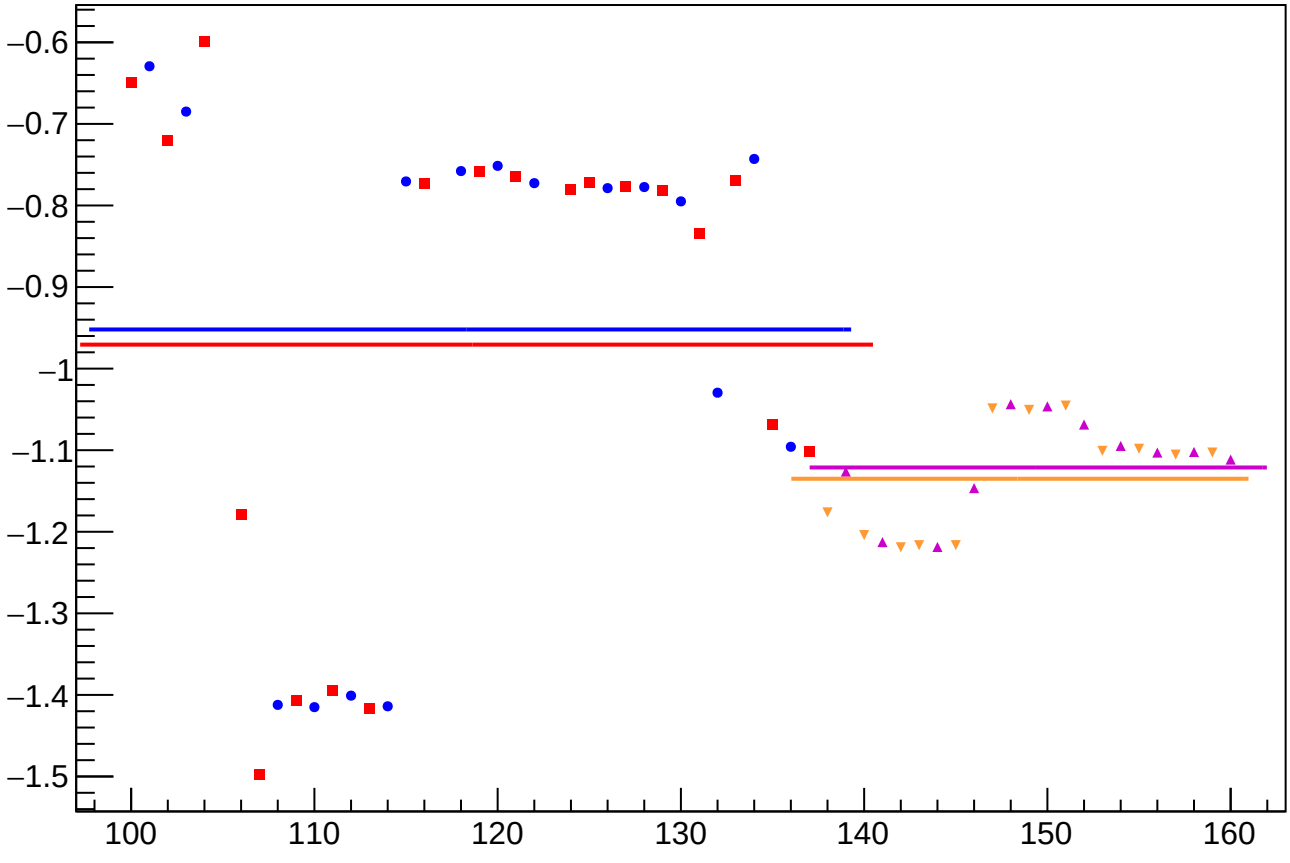
Left In: 0.011+/-0.000 χ^2/NDF:296258.8/10

+ sign 0.011+/-0.000 χ^2/NDF: 1984888.4/27

All: 0.011+/-0.000 χ^2/NDF: 3871416.4/57

- 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: -1.135+/-0.000 χ^2/NDF:95989282.4/11

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

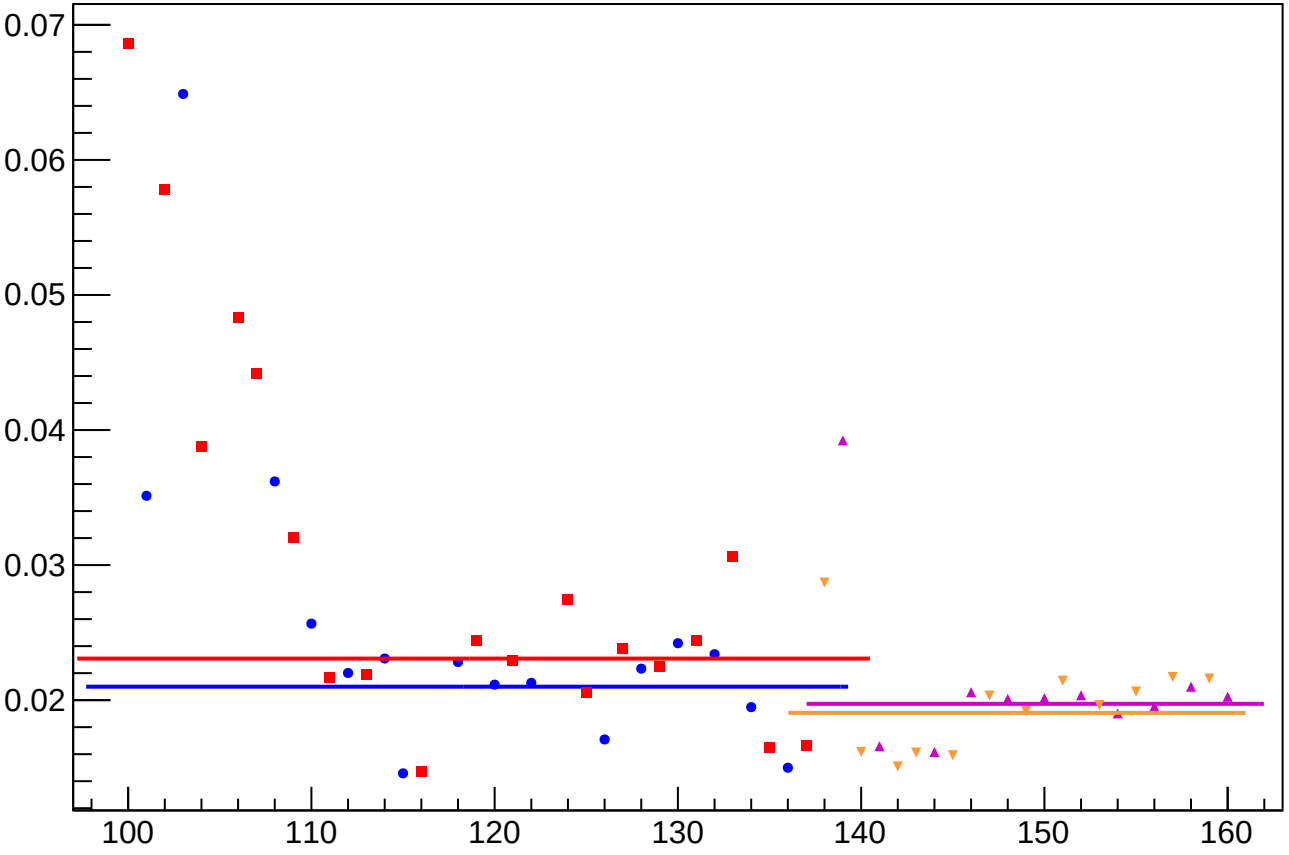
Left In: -1.121+/-0.000 χ^2/NDF:71333949.1/10

+ sign -1.066+/-0.000 χ^2/NDF: 1049504352.4/27

All: -1.067+/-0.000 χ^2/NDF: 1989301622.5/5

- 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:378928.1/11

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

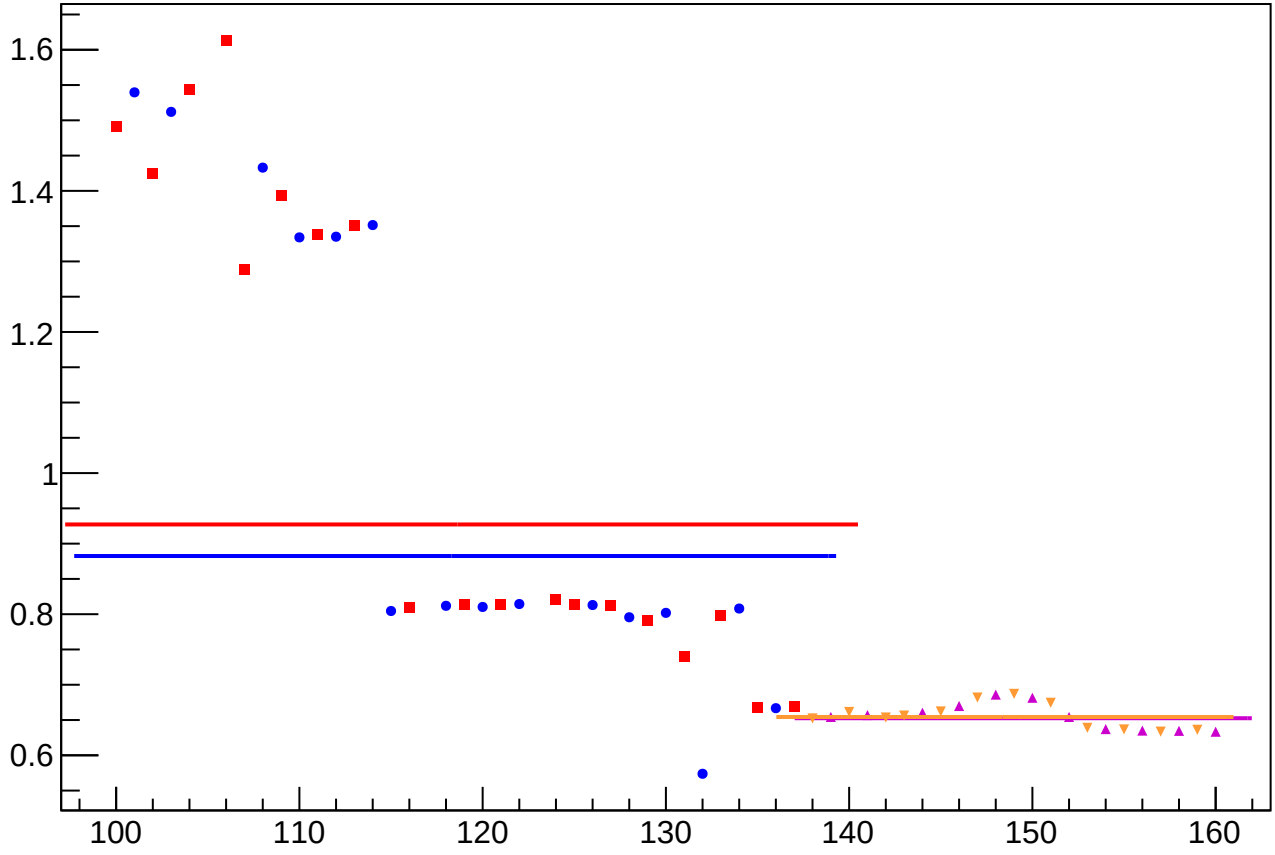
Left In: 0.020+/-0.000 χ^2/NDF:536651.4/10

+ sign 0.020+/-0.000 χ^2/NDF: 1602891.0/27

All: 0.020+/-0.000 χ^2/NDF: 3611543.6/57

- 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: 0.654+/-0.000 χ^2/NDF:15676596.2/11

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

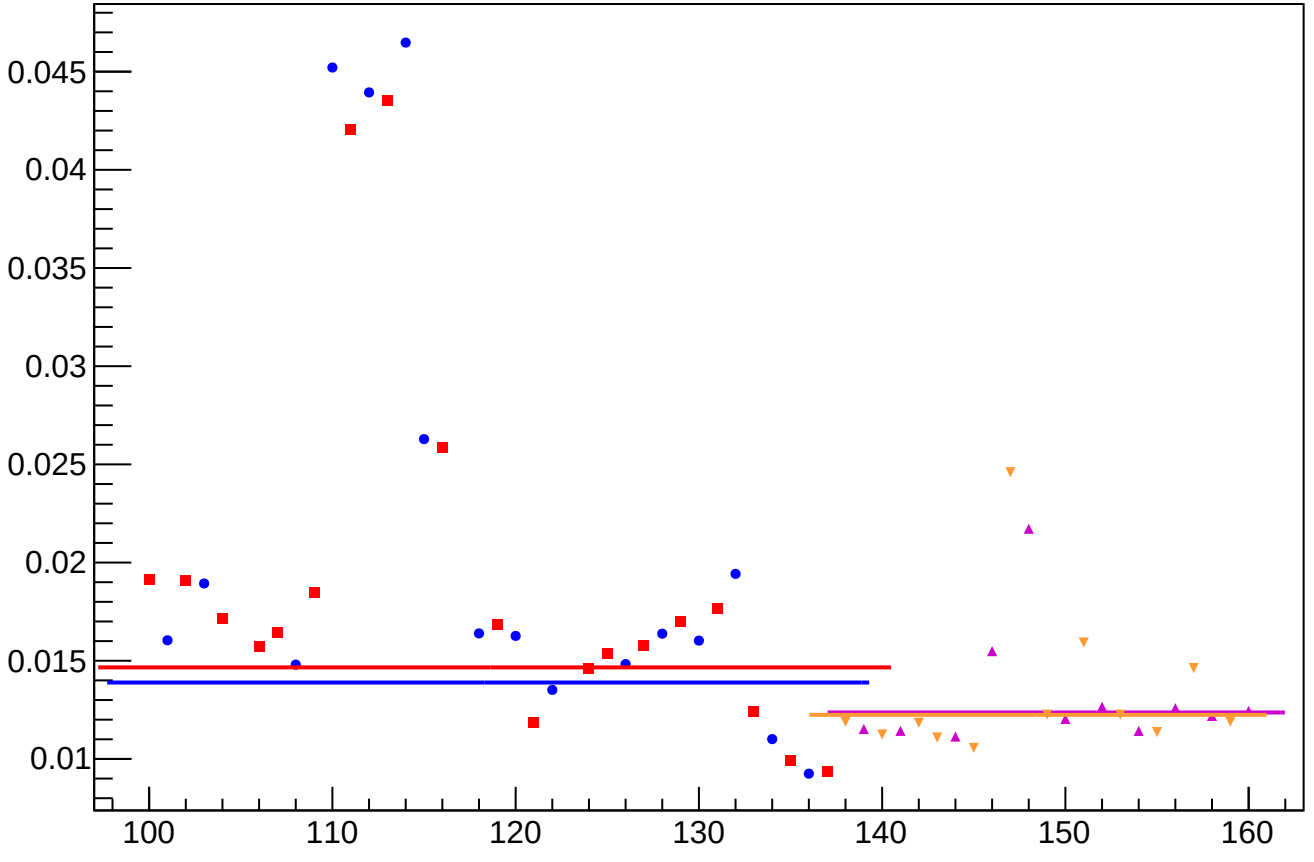
Left In: 0.653+/-0.000 χ^2/NDF:15534776.4/10

+ sign 0.732+/-0.000 χ^2/NDF: 3852478250.5/27

All: 0.737+/-0.000 χ^2/NDF: 8096886571.1/57

- 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:607971.7/11

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

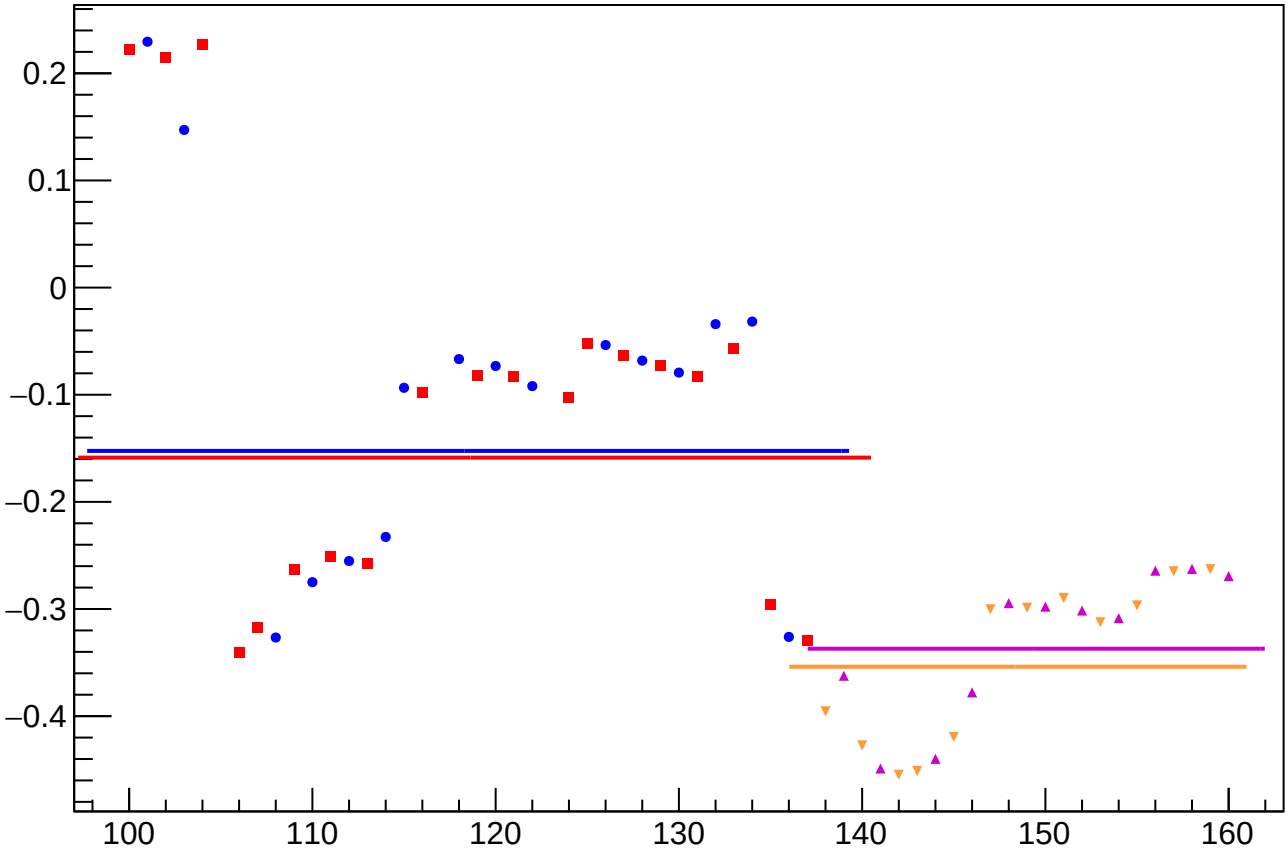
Left In: 0.012+/-0.000 χ^2/NDF:412758.2/10

+ sign 0.013+/-0.000 χ^2/NDF: 2364255.2/27

All: 0.013+/-0.000 χ^2/NDF: 4457026.6/57

- sign 0.013+/-0.000 χ^2/NDF: 2084023.8/29

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.354+/-0.000 χ^2/NDF:110898436.9/11

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

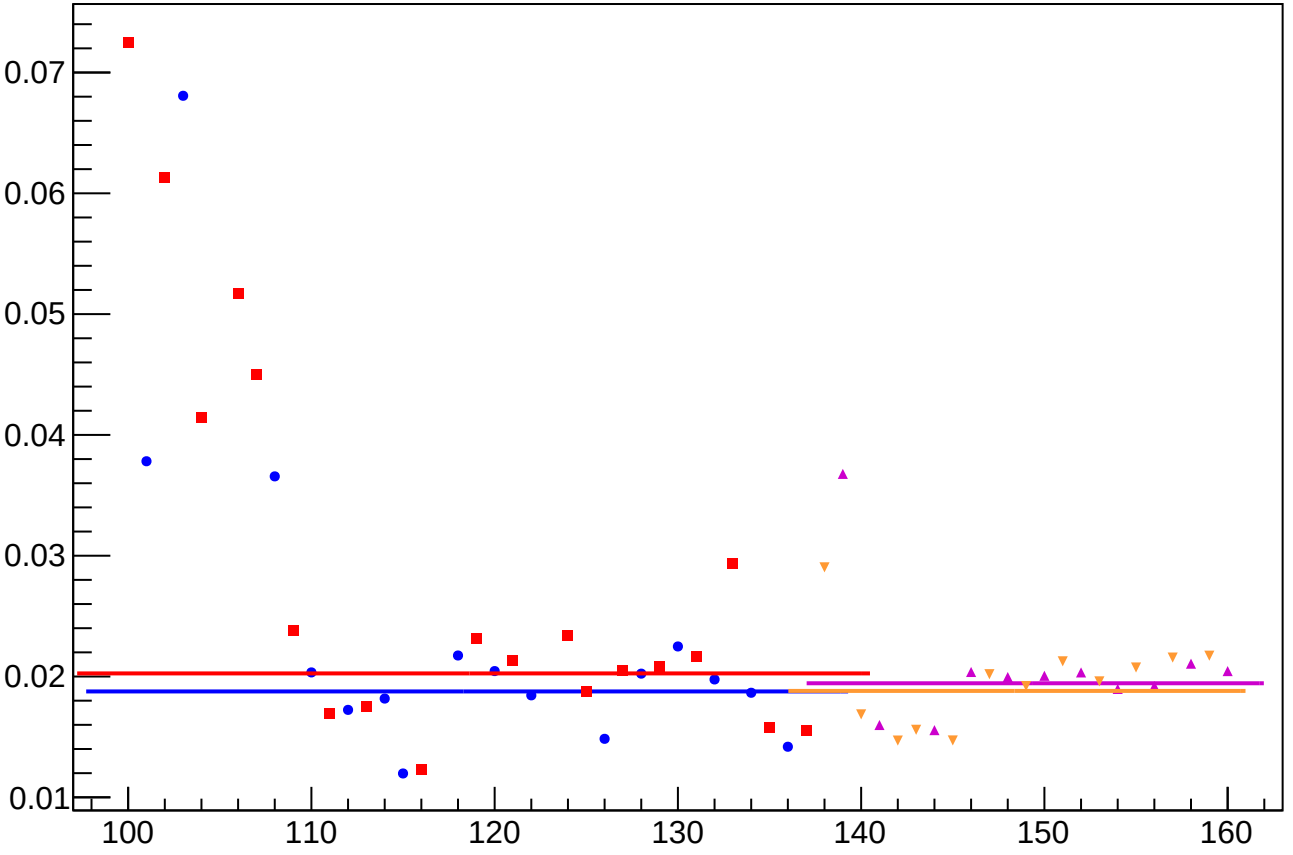
Left In: -0.337+/-0.000 χ^2/NDF:99290838.3/10

+ sign -0.270+/-0.000 χ^2/NDF: 739189801.5/27

All: -0.268+/-0.000 χ^2/NDF: 1288352670.7/5

- 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:458008.4/11

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

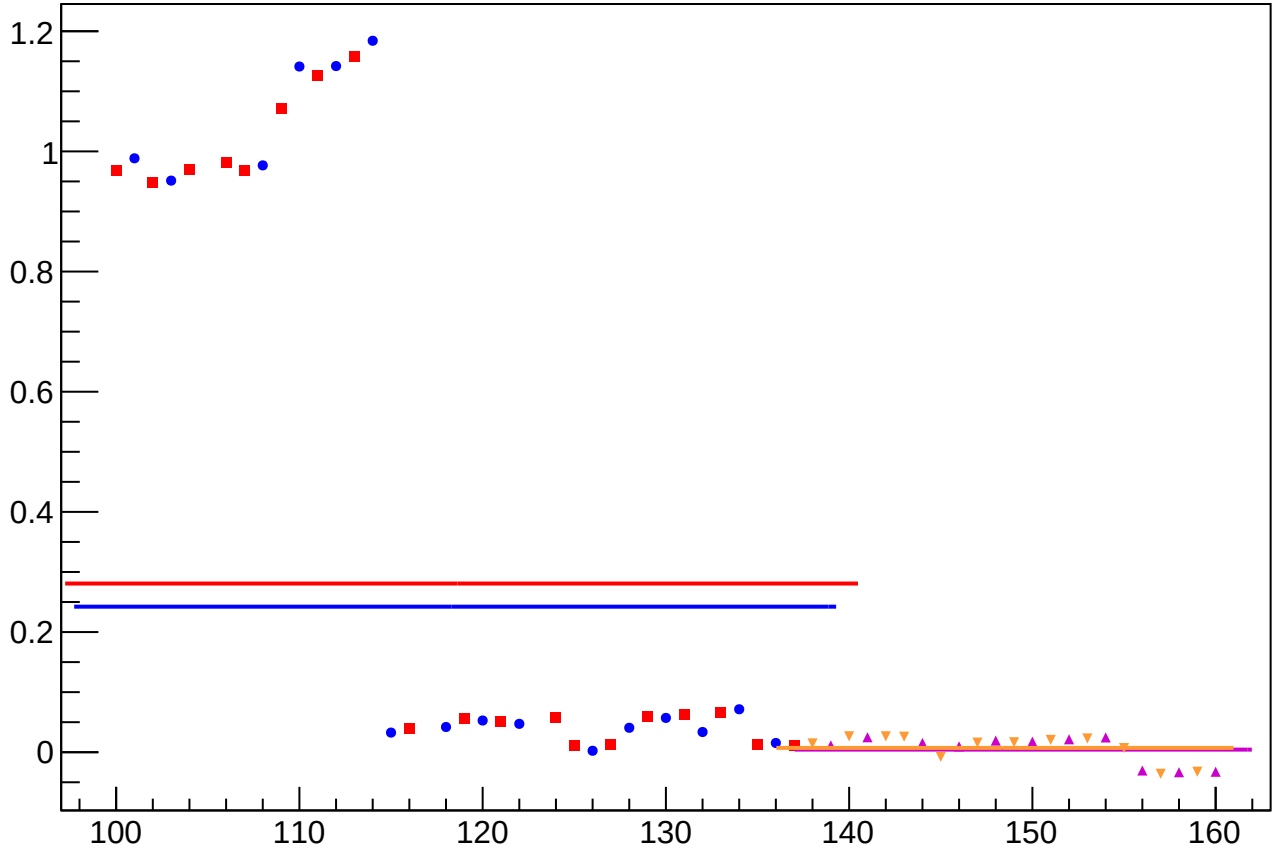
Left In: 0.019+/-0.000 χ^2/NDF:534954.3/10

+ sign 0.019+/-0.000 χ^2/NDF: 1807453.6/27

All: 0.019+/-0.000 χ^2/NDF: 3915564.8/57

- 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:35506604.6/11

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

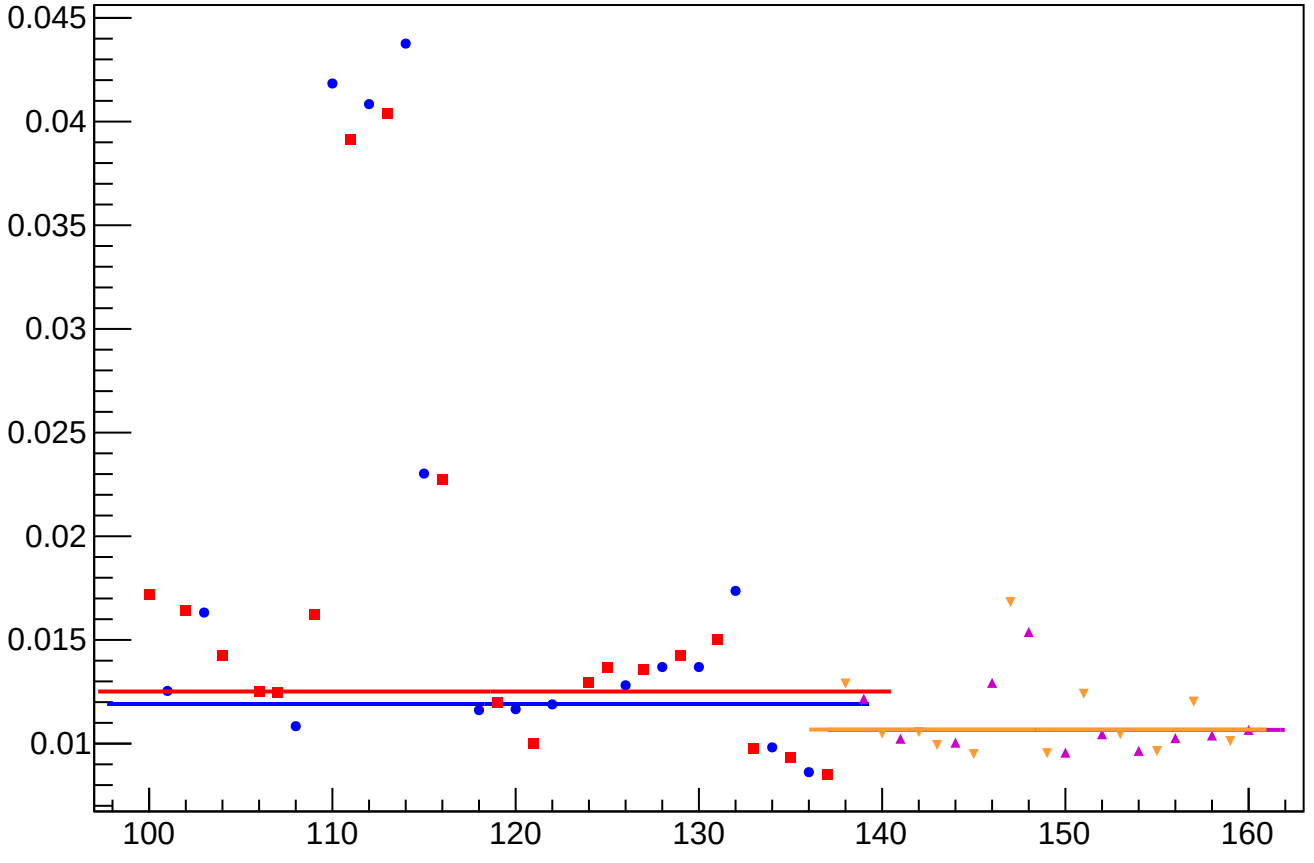
Left In: 0.004+/-0.000 χ^2/NDF:43484416.2/10

+ sign 0.089+/-0.000 χ^2/NDF: 8055203114.5/27

All: 0.092+/-0.000 χ^2/NDF: 16864850492.1/5

- 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:388703.7/11

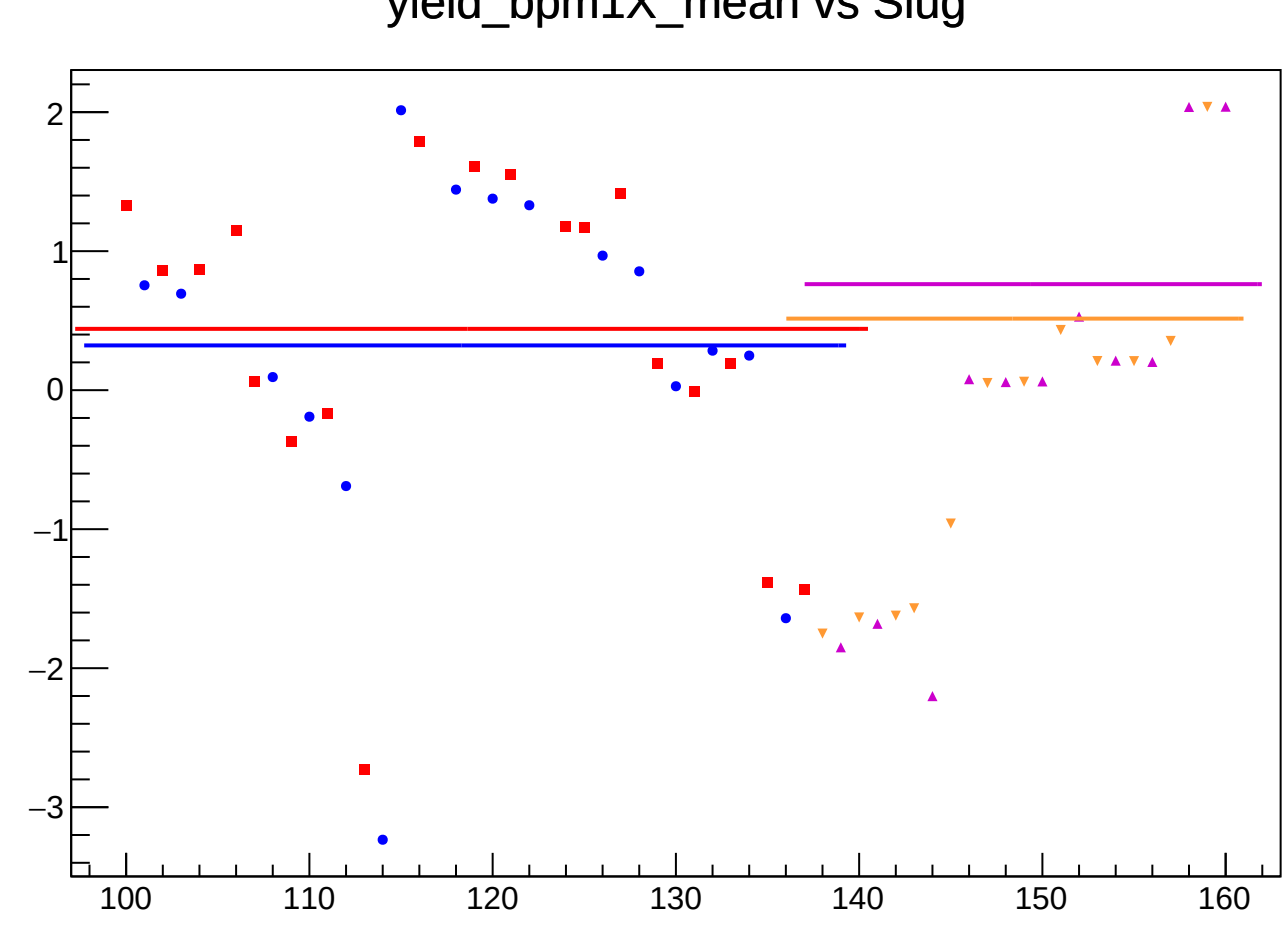
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:281901.9/10

+ sign 0.011+/-0.000 χ^2/NDF: 1931170.5/27

All: 0.011+/-0.000 χ^2/NDF: 3788449.2/57

- 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: 0.515+/-0.000 χ^2/NDF:12877320383.5/11

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

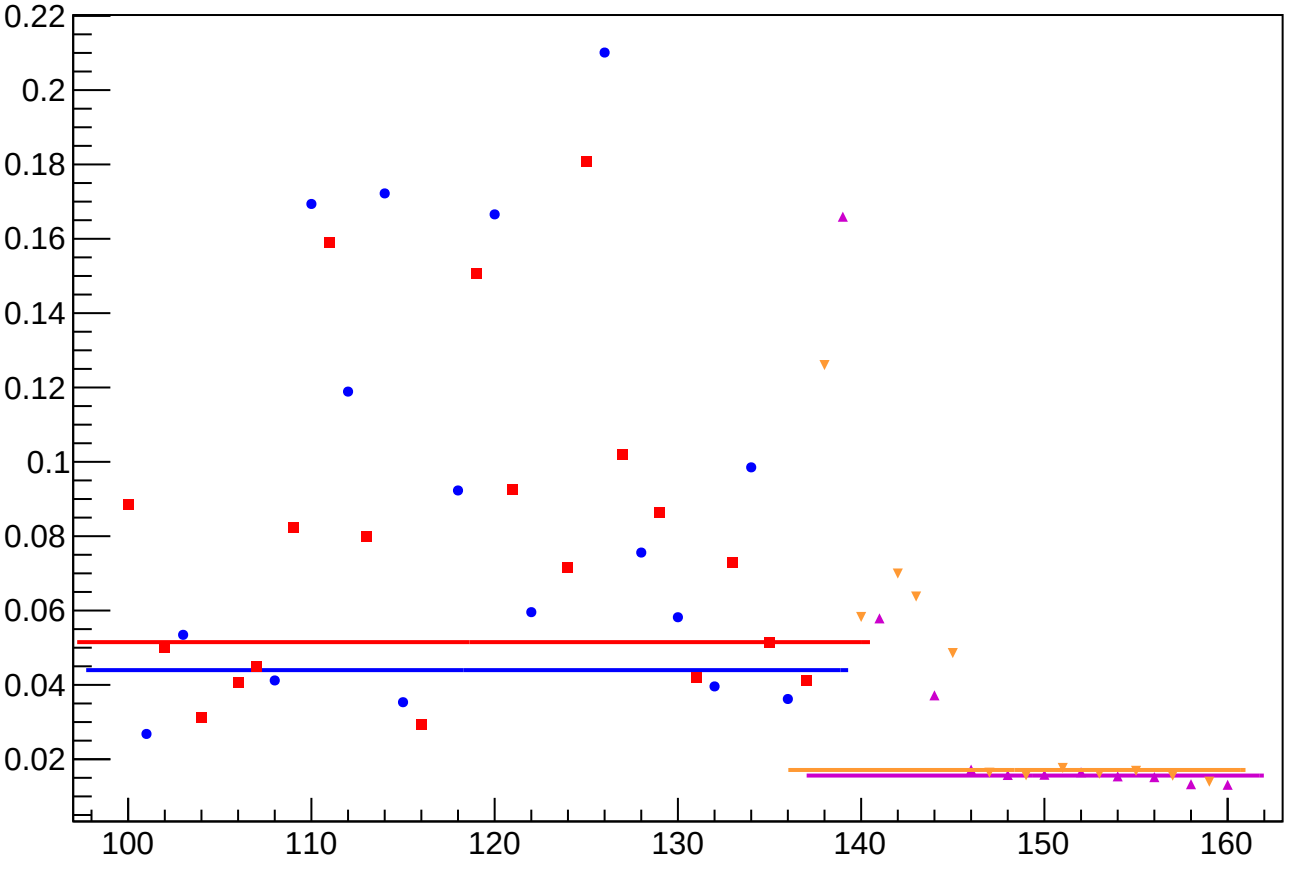
Left In: 0.763+/-0.000 χ^2/NDF:23099386846.3/10

+ sign 0.498+/-0.000 χ^2/NDF: 14609666049.5/27

All: 0.633+/-0.000 χ^2/NDF: 40419336030.4/5

- 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:2772757.4/11

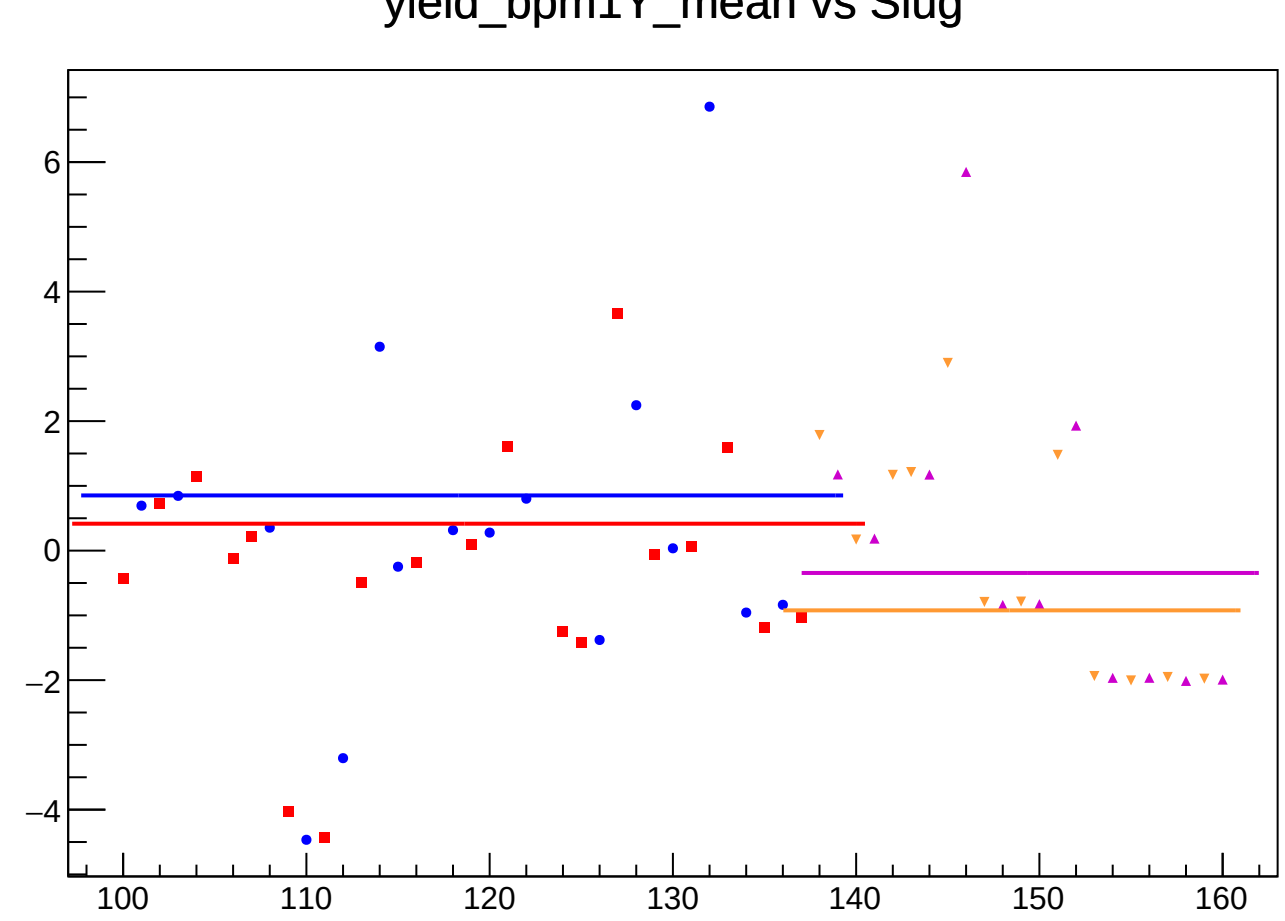
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.016+/-0.000 χ^2/NDF:2114092.0/10

+ sign 0.019+/-0.000 χ^2/NDF: 8172562.7/27

All: 0.019+/-0.000 χ^2/NDF: 16720238.2/57

- 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: -0.922+/-0.000 χ^2/NDF:86704318420.4/11

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

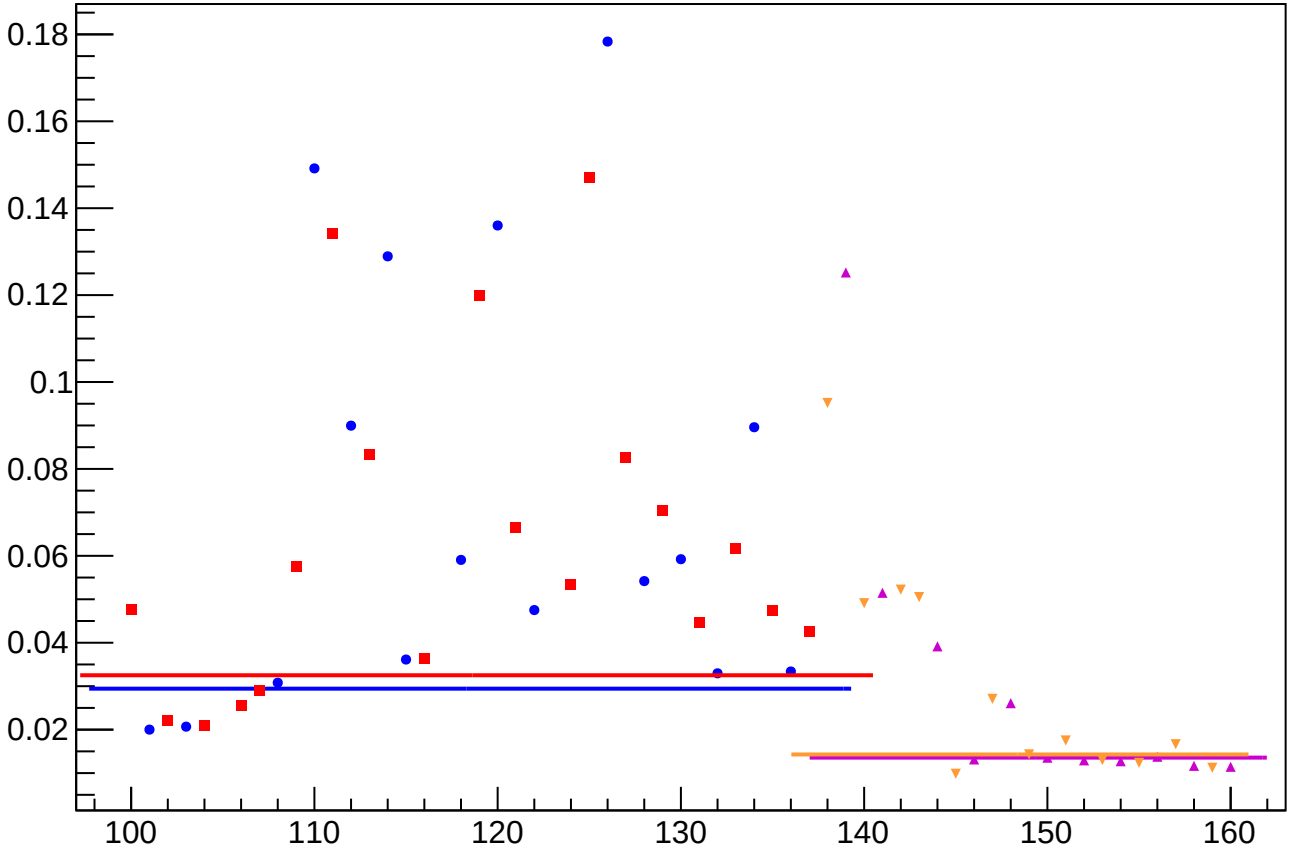
Left In: -0.345+/-0.000 χ^2/NDF:255182636685.8/10

+ sign -0.708+/-0.000 χ^2/NDF: 110075080034.6/27

All: -0.472+/-0.000 χ^2/NDF: 376022664180.9

- 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:2905642.9/11

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

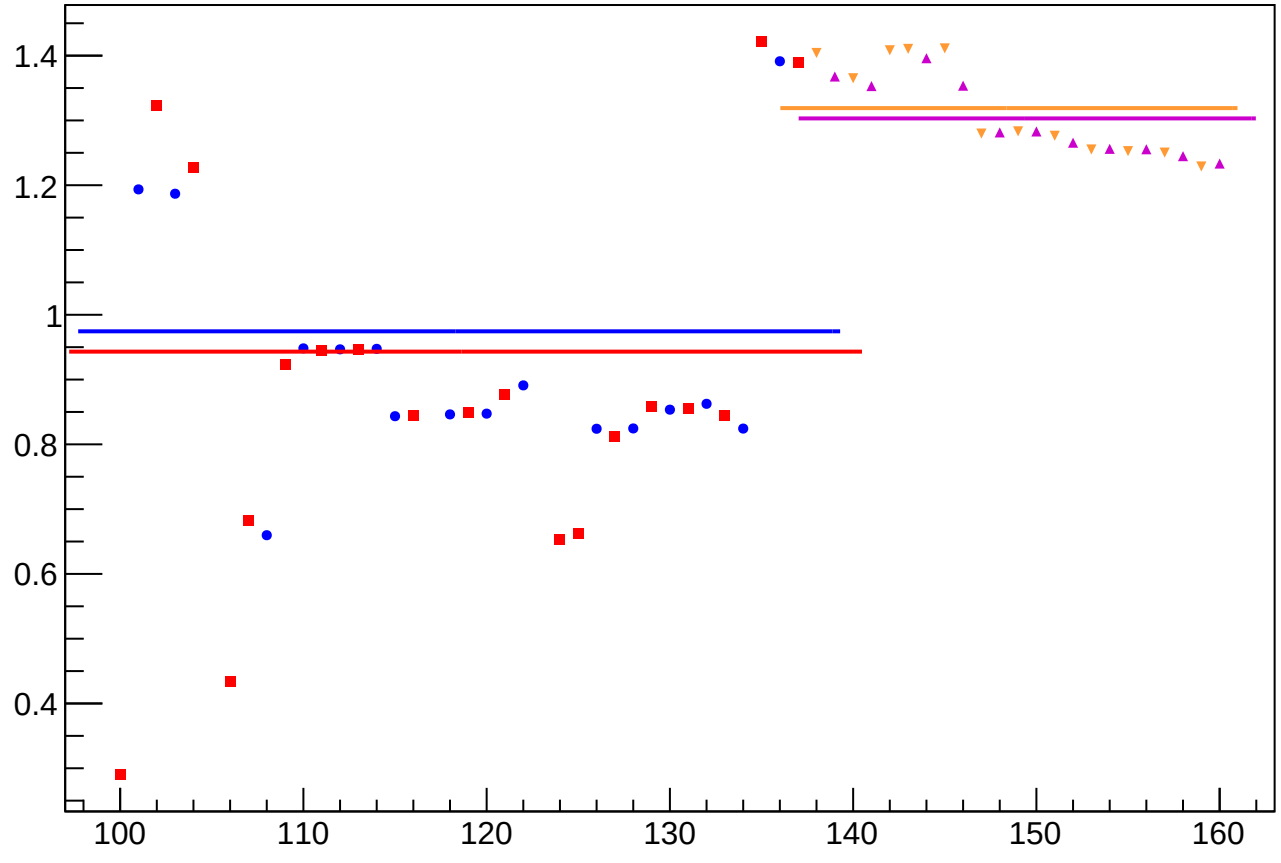
Left In: 0.014+/-0.000 χ^2/NDF:2586361.0/10

+ sign 0.016+/-0.000 χ^2/NDF: 7815125.5/27

All: 0.016+/-0.000 χ^2/NDF: 16282240.0/57

- 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: 1.319+/-0.000 χ^2/NDF:224005530.6/11

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

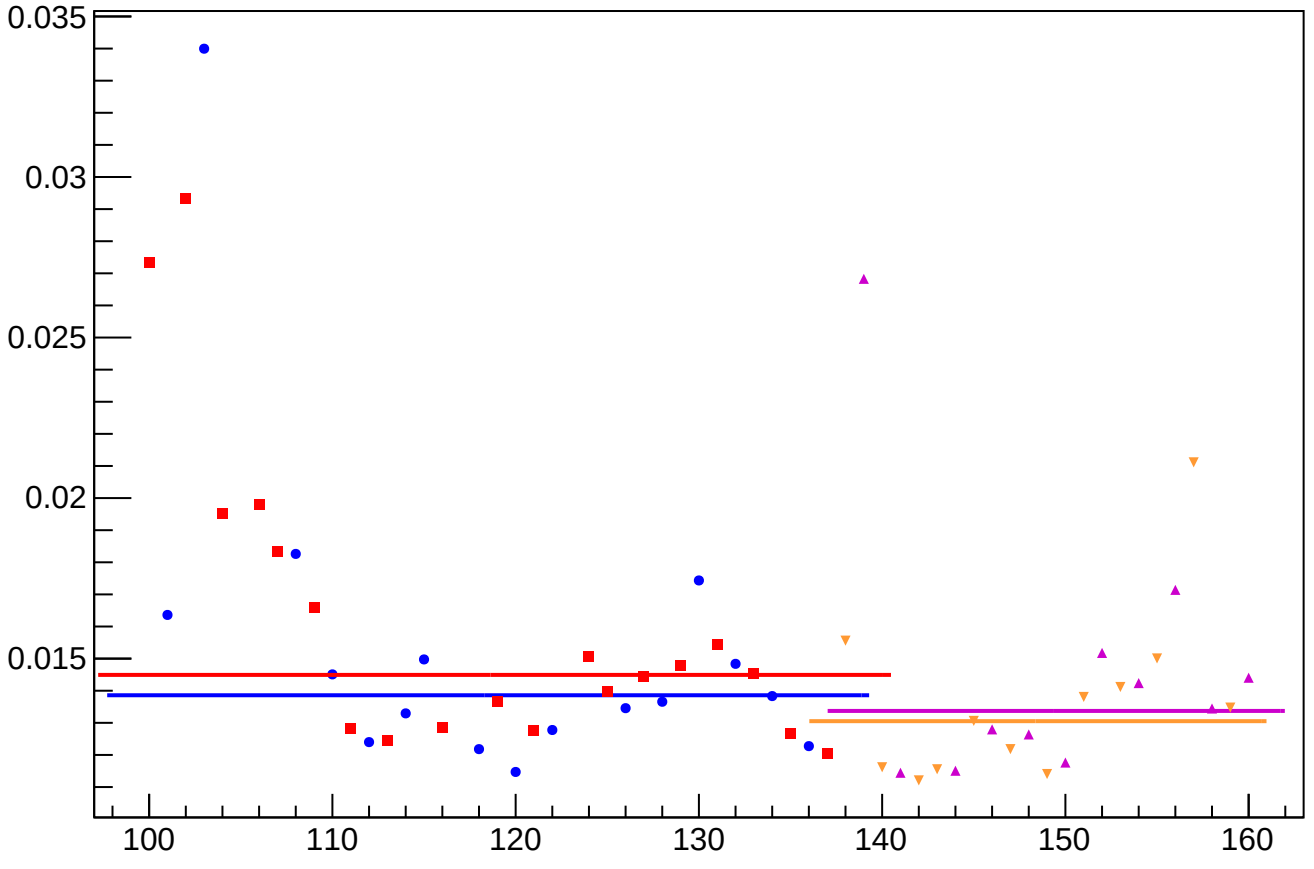
Left In: 1.303+/-0.000 χ^2/NDF:139591147.3/10

+ sign 1.179+/-0.000 χ^2/NDF: 3965370128.0/27

All: 1.170+/-0.000 χ^2/NDF: 8171862194.8/57

- sign 1.160+/-0.000 χ^2/NDF: 4191917173.9/29

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:364669.7/11

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

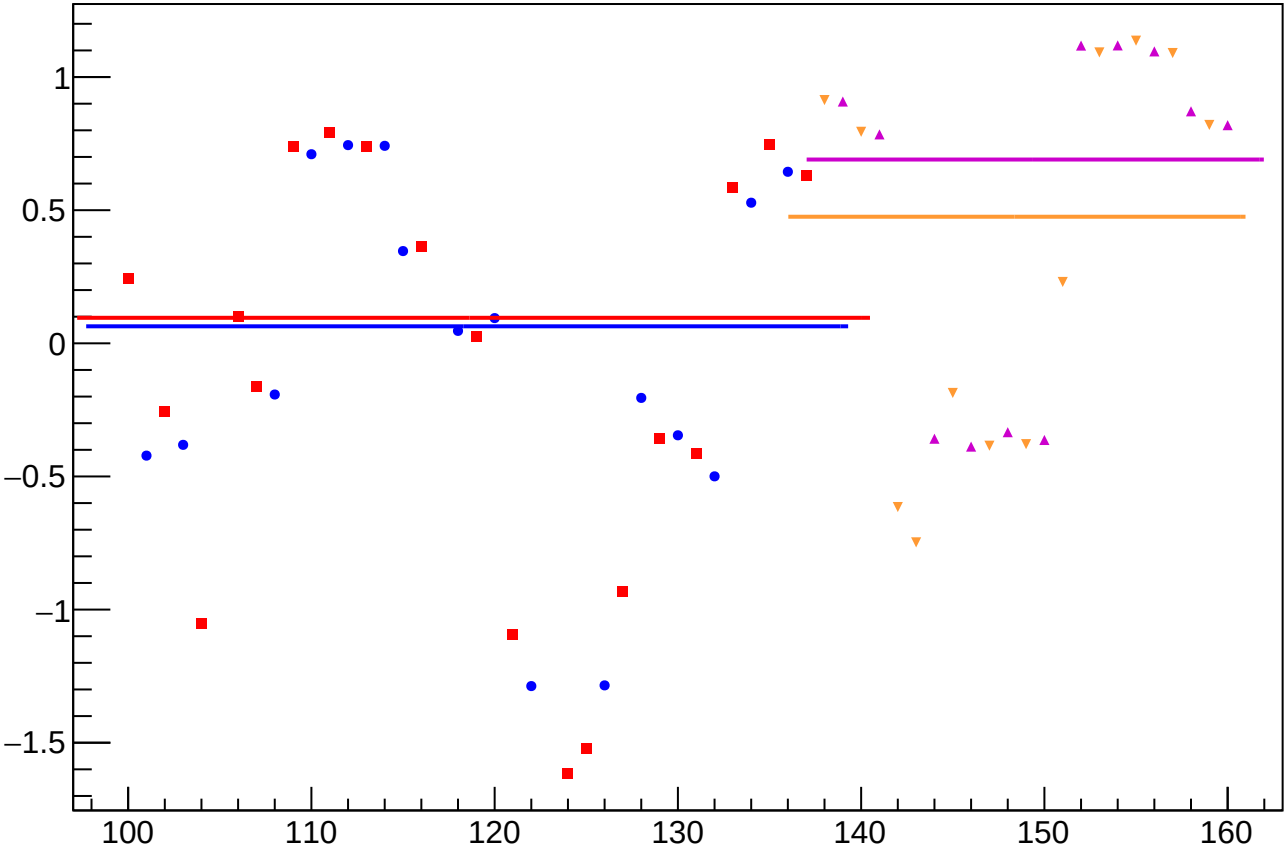
Left In: 0.013+/-0.000 χ^2/NDF:634629.0/10

+ sign 0.013+/-0.000 χ^2/NDF: 989703.9/27

All: 0.014+/-0.000 χ^2/NDF: 2229943.9/57

- sign 0.014+/-0.000 χ^2/NDF: 1225253.1/29

yield_bpm11Y_mean vs Slug



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.475+/-0.000 χ^2/NDF:25750487034.3/11

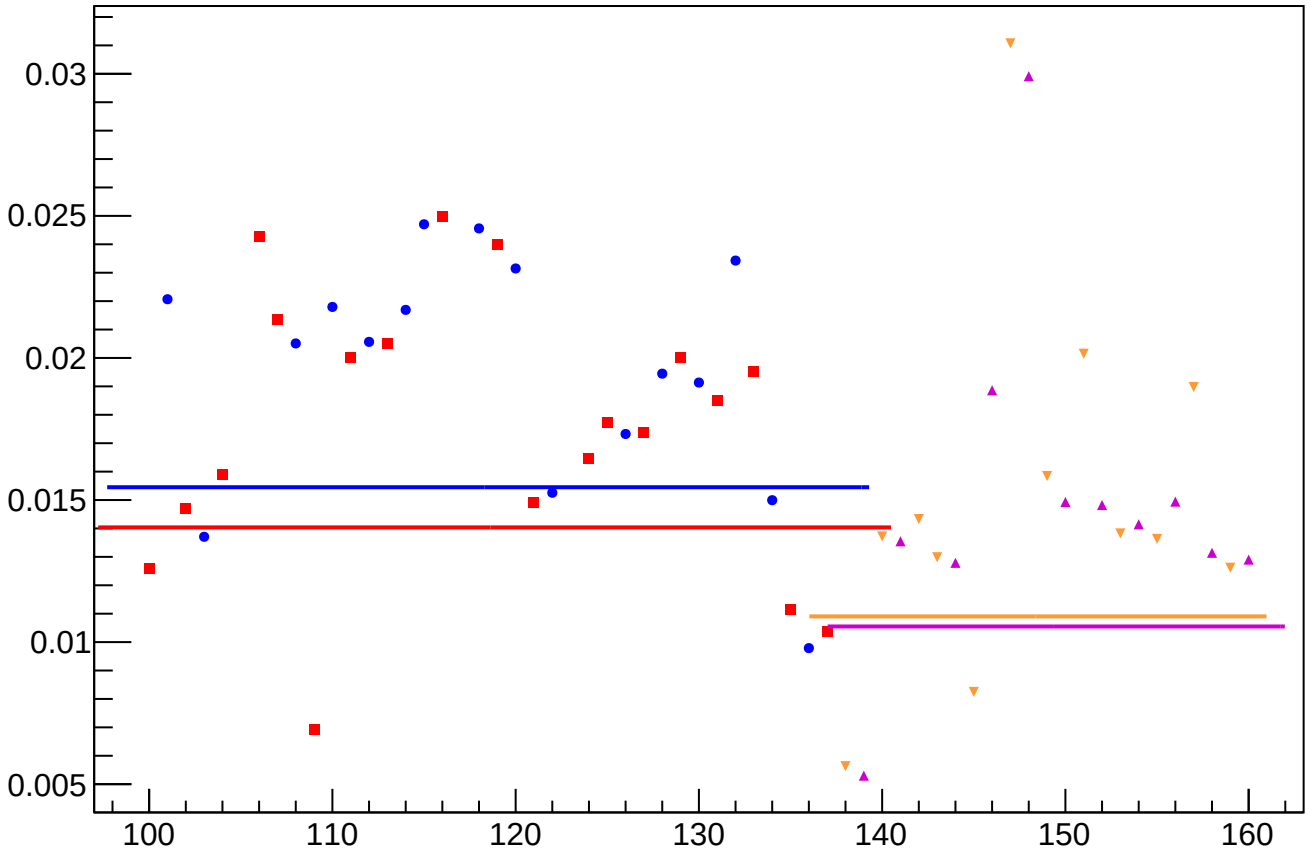
Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.690+/-0.000 χ^2/NDF:17362862543.9/10

+ sign 0.356+/-0.000 χ^2/NDF: 39815526683.8/27

All: 0.435+/-0.000 χ^2/NDF: 83265586512.1/5

- sign 0.506+/-0.000 χ^2/NDF: 42424516187.7/29



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:2959052.5/11

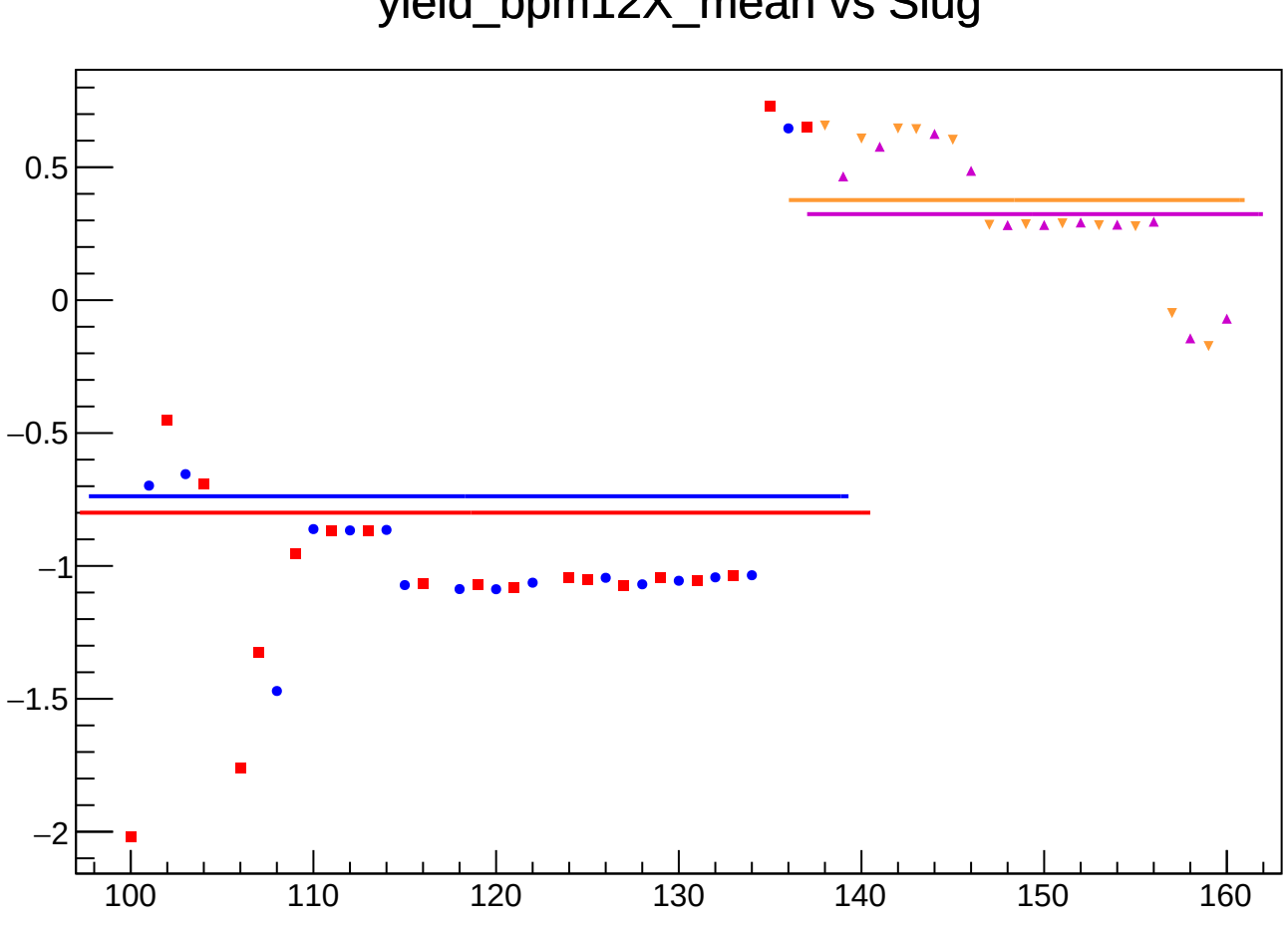
Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3312799.7/10

+ sign 0.012+/-0.000 χ^2/NDF: 4992027.0/27

All: 0.012+/-0.000 χ^2/NDF: 10524189.2/57

- sign 0.012+/-0.000 χ^2/NDF: 5500364.9/29



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.377+/-0.000 χ^2/NDF:452347059.6/11

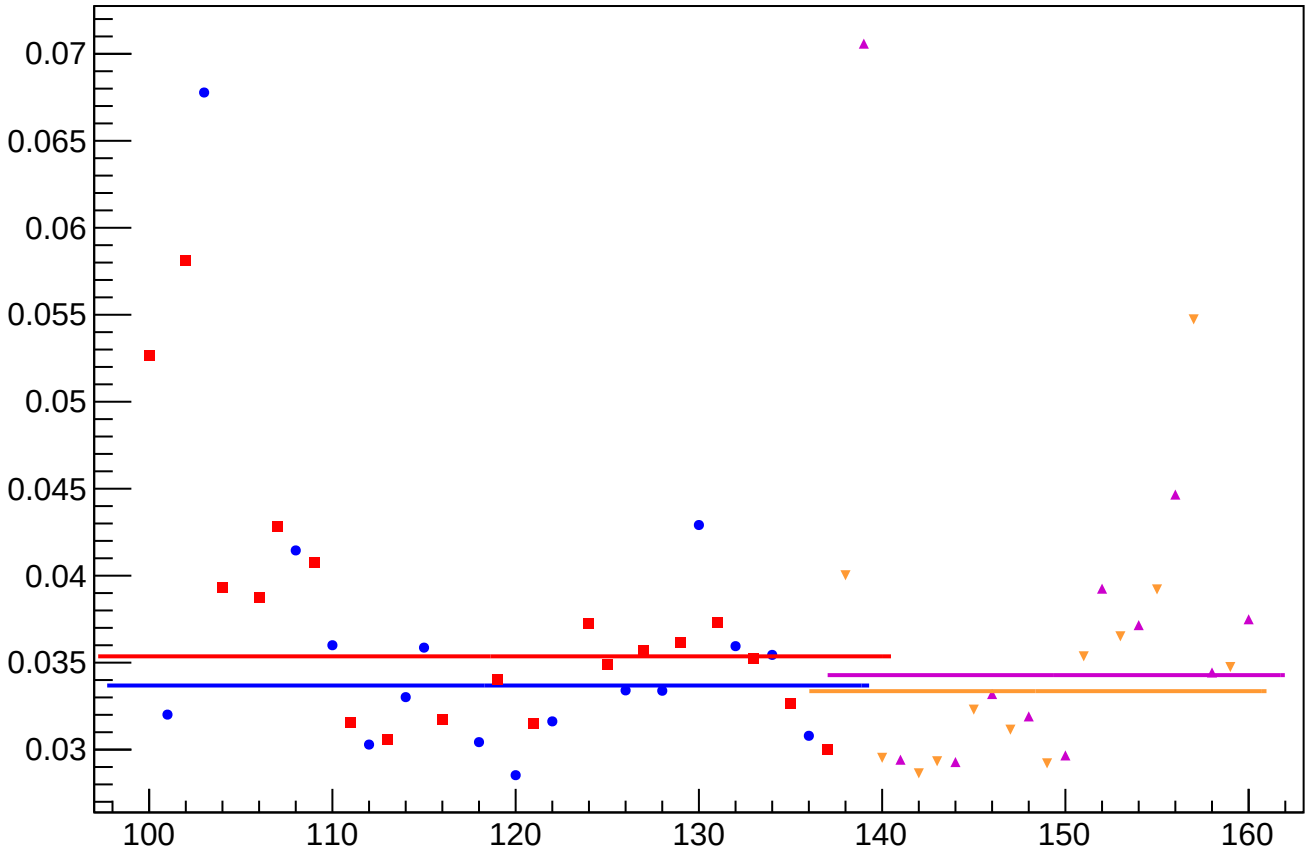
Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.324+/-0.000 χ^2/NDF:392493959.8/10

+ sign -0.109+/-0.000 χ^2/NDF: 6416781909.7/27

All: -0.131+/-0.000 χ^2/NDF: 12453358492.4/

- sign -0.155+/-0.000 χ^2/NDF: 6023677284.5/29



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.033+/-0.000 χ^2/NDF:391157.5/11

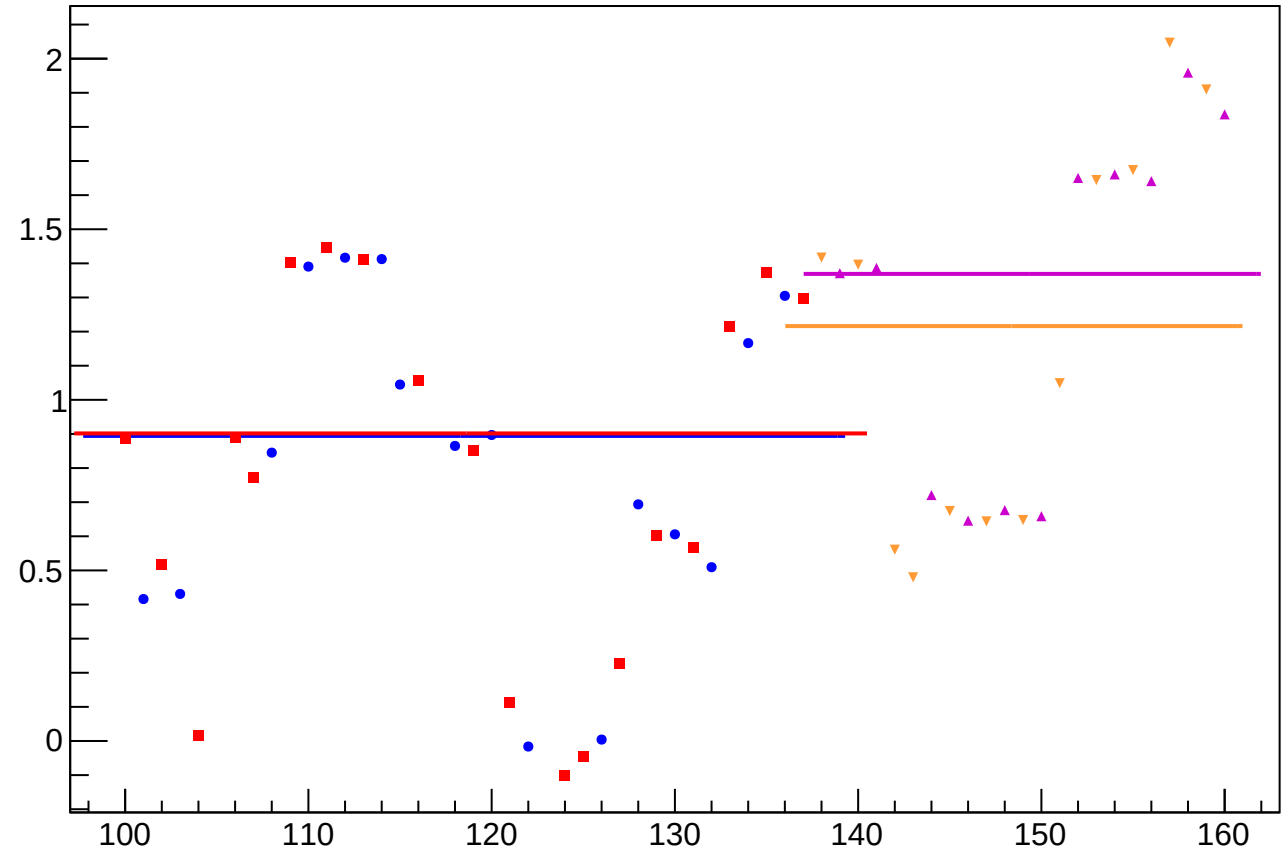
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.034+/-0.000 χ^2/NDF:685239.6/10

+ sign 0.034+/-0.000 χ^2/NDF: 812044.0/27

All: 0.034+/-0.000 χ^2/NDF: 1819685.1/57

- sign 0.035+/-0.000 χ^2/NDF: 988519.6/29



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.216+/-0.000 χ^2/NDF:28556794598.7/11

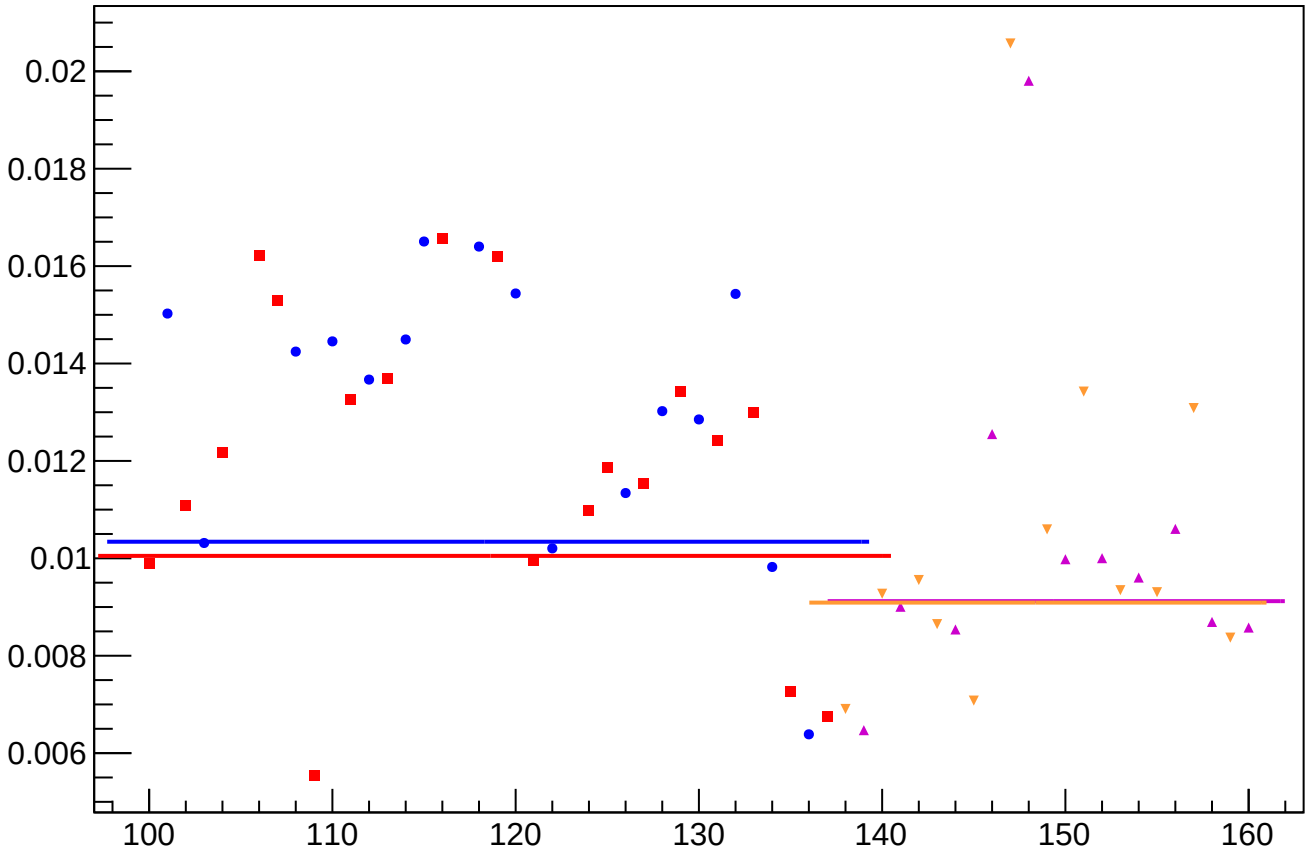
Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.369+/-0.000 χ^2/NDF:21340097471.8/10

+ sign 1.103+/-0.000 χ^2/NDF: 45050961388.2/27

All: 1.151+/-0.000 χ^2/NDF: 93338499592.5/5

- 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:1119799.8/11

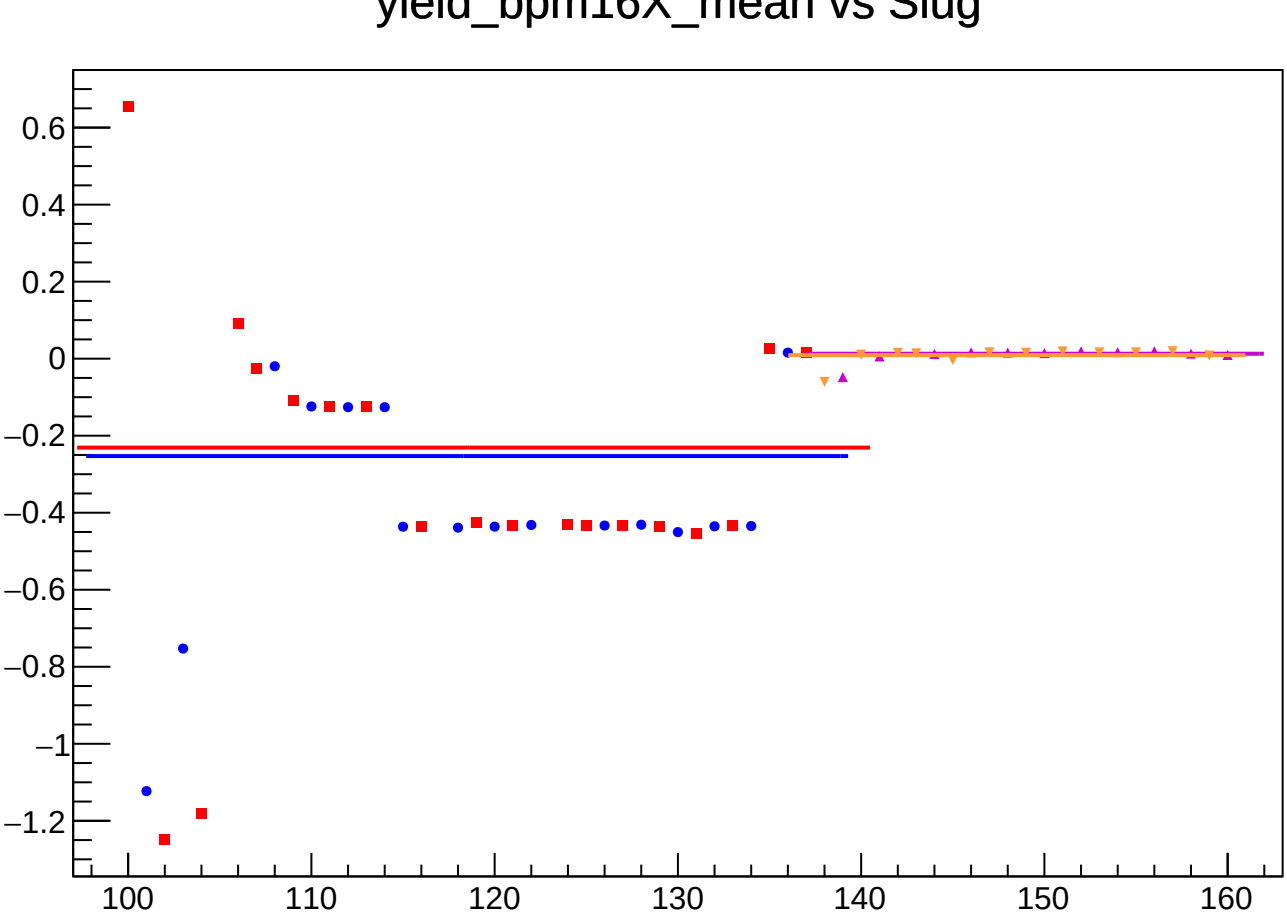
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:917001.6/10

+ sign 0.010+/-0.000 χ^2/NDF: 2583199.7/27

All: 0.009+/-0.000 χ^2/NDF: 4903692.7/57

- 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: 0.009+/-0.000 χ^2/NDF:21656344.1/11

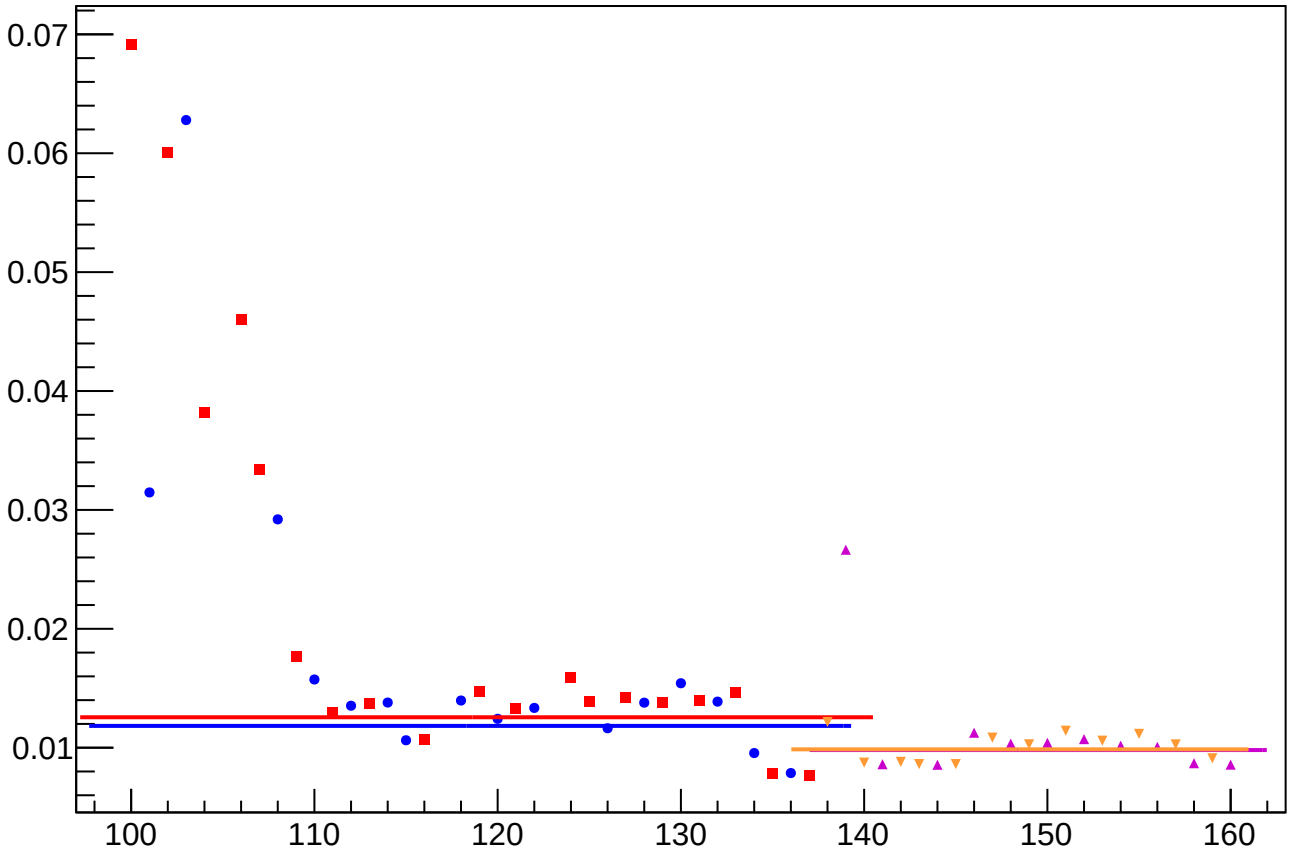
Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.013+/-0.000 χ^2/NDF:5713341.3/10

+ sign -0.072+/-0.000 χ^2/NDF: 3732384198.5/27

All: -0.064+/-0.000 χ^2/NDF: 6911016182.5/5

- sign -0.056+/-0.000 χ^2/NDF: 3165167844.2/29



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:200882.3/11

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

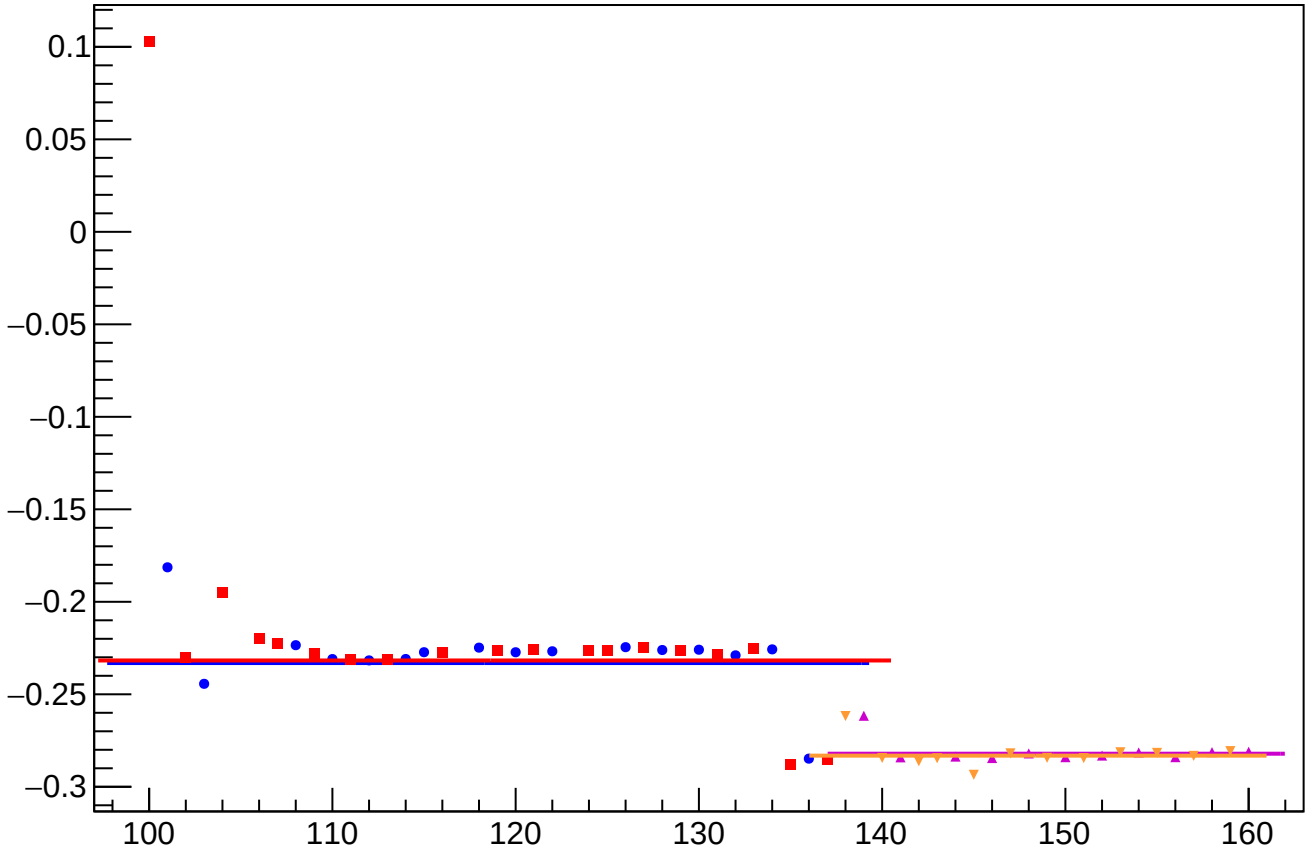
Left In: 0.010+/-0.000 χ^2/NDF:822327.0/10

+ sign 0.010+/-0.000 χ^2/NDF: 2334381.0/27

All: 0.011+/-0.000 χ^2/NDF: 5721339.8/57

- 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:14972467.7/11

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

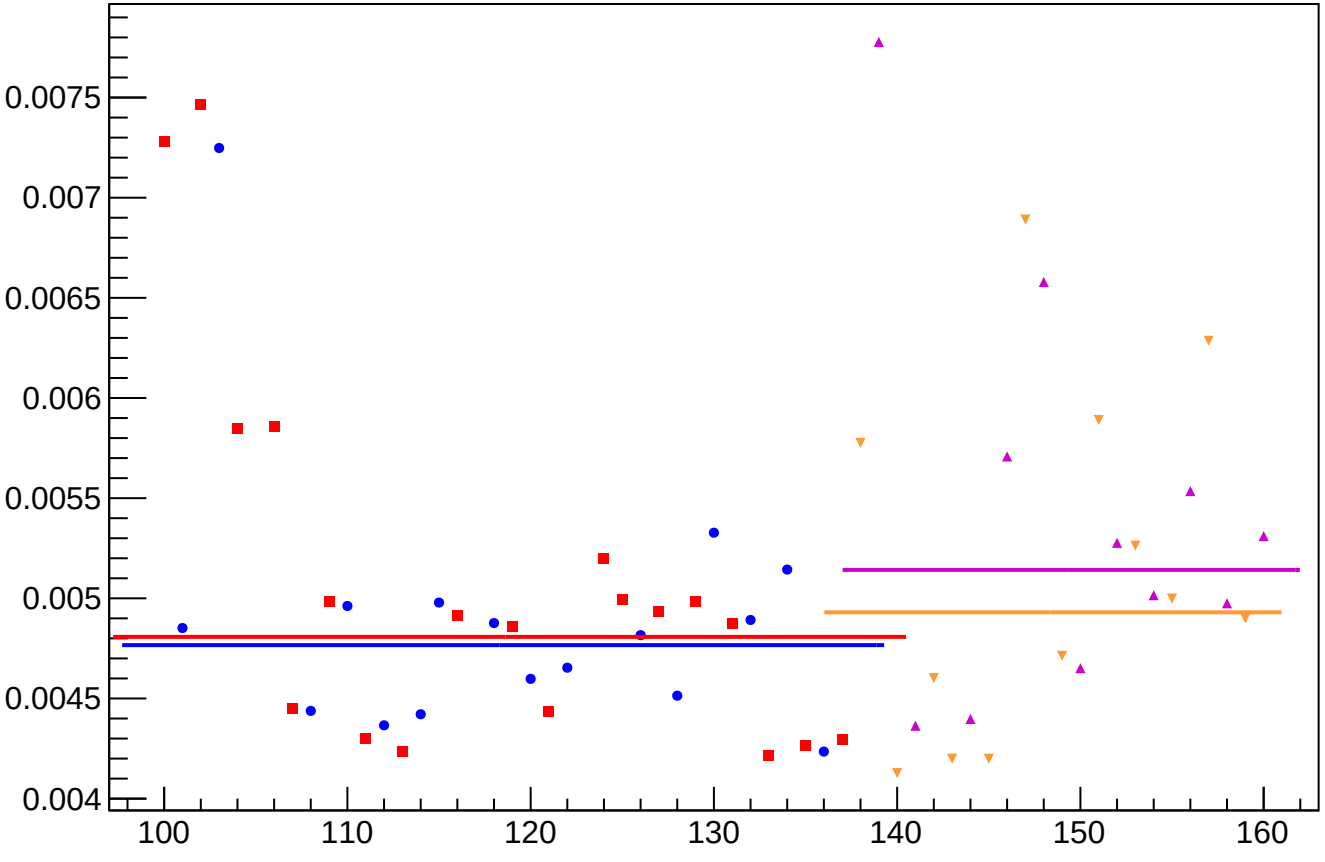
Left In: -0.282+/-0.000 χ^2/NDF:6303486.2/10

+ sign -0.261+/-0.000 χ^2/NDF: 609111392.1/27

All: -0.260+/-0.000 χ^2/NDF: 1298275254.1/5

- sign -0.259+/-0.000 χ^2/NDF: 687508344.4/29

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:428693.8/11

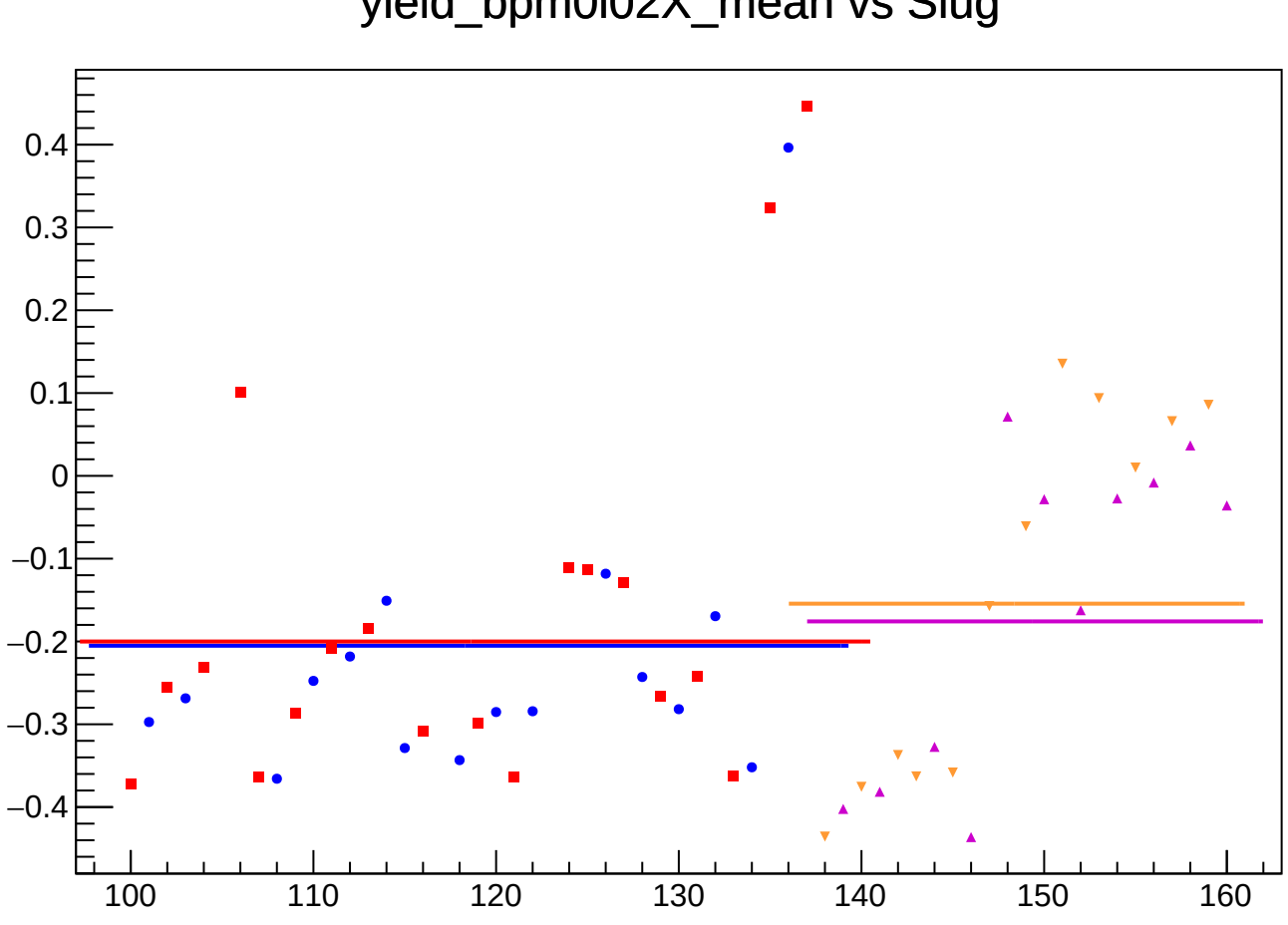
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:406967.6/10

+ sign 0.005+/-0.000 χ^2/NDF: 628913.8/27

All: 0.005+/-0.000 χ^2/NDF: 1374745.1/57

- sign 0.005+/-0.000 χ^2/NDF: 735356.8/29



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.154+/-0.000 χ^2/NDF:13502054954.9/11

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

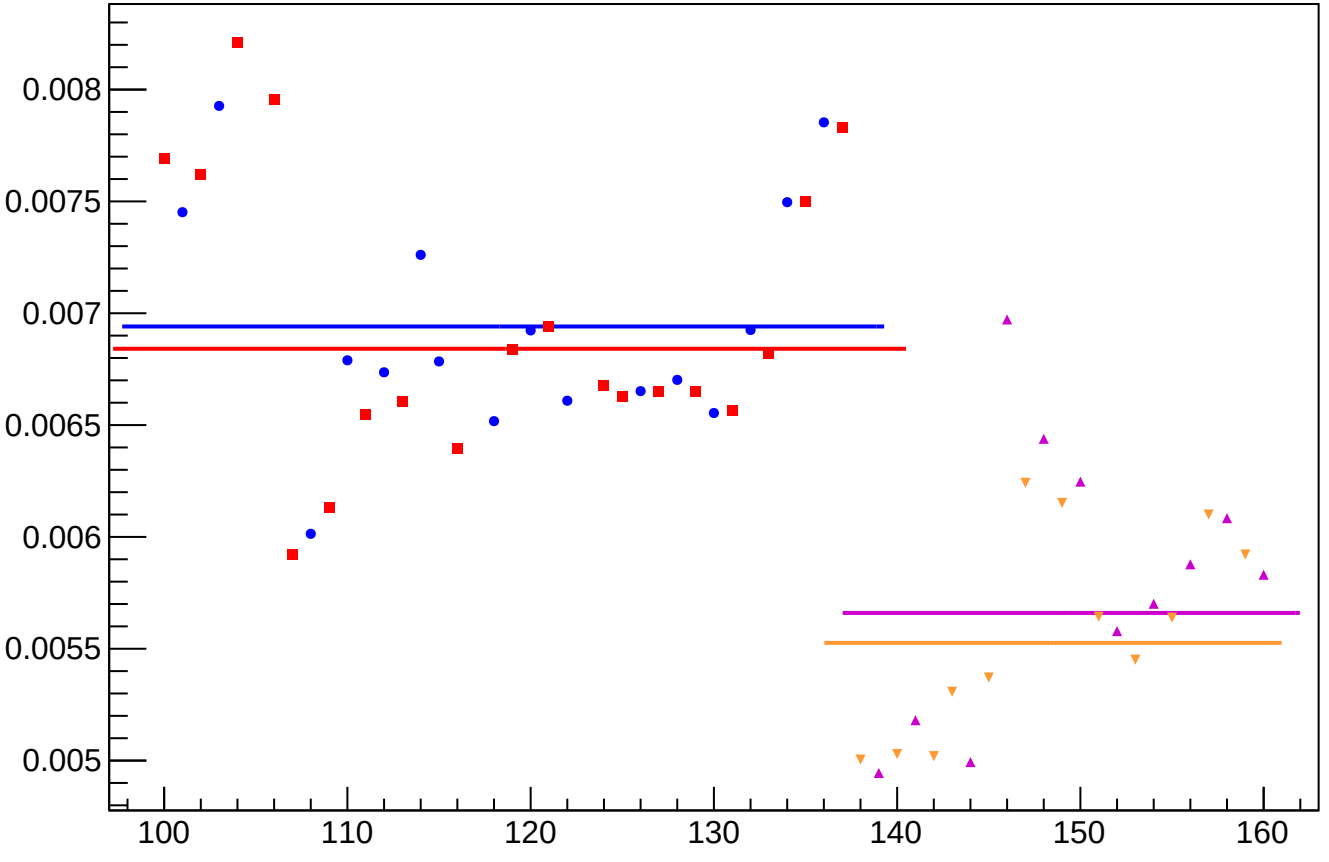
Left In: -0.176+/-0.000 χ^2/NDF:9014655212.8/10

+ sign -0.171+/-0.000 χ^2/NDF: 19940861599.1/27

All: -0.178+/-0.000 χ^2/NDF: 34300426376.3/

- 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:101185.7/11

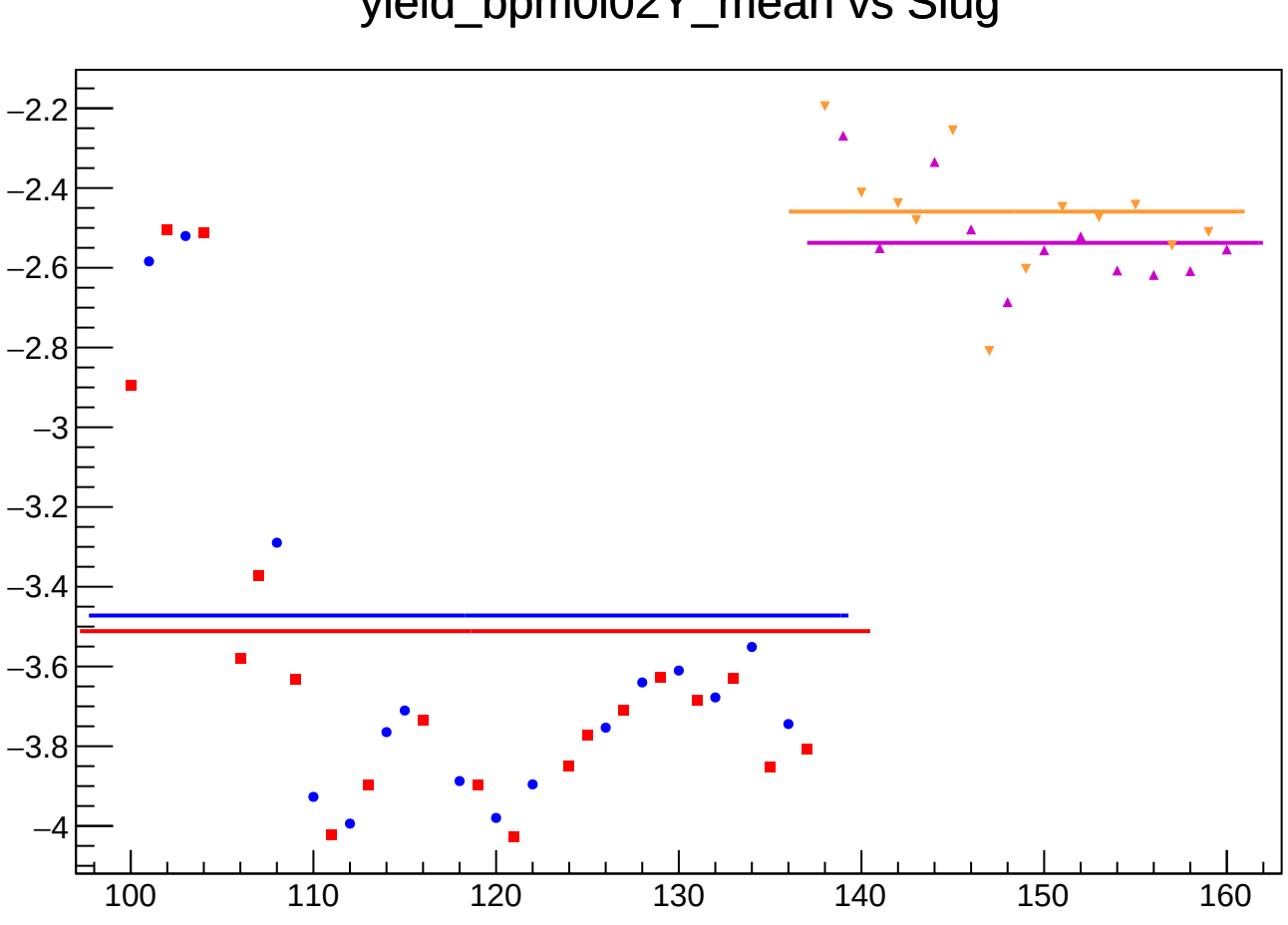
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:176949.7/10

+ sign 0.006+/-0.000 χ^2/NDF: 574097.9/27

All: 0.006+/-0.000 χ^2/NDF: 1128208.6/57

- 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: -2.459+/-0.000 χ^2/NDF:1570963178.4/11

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

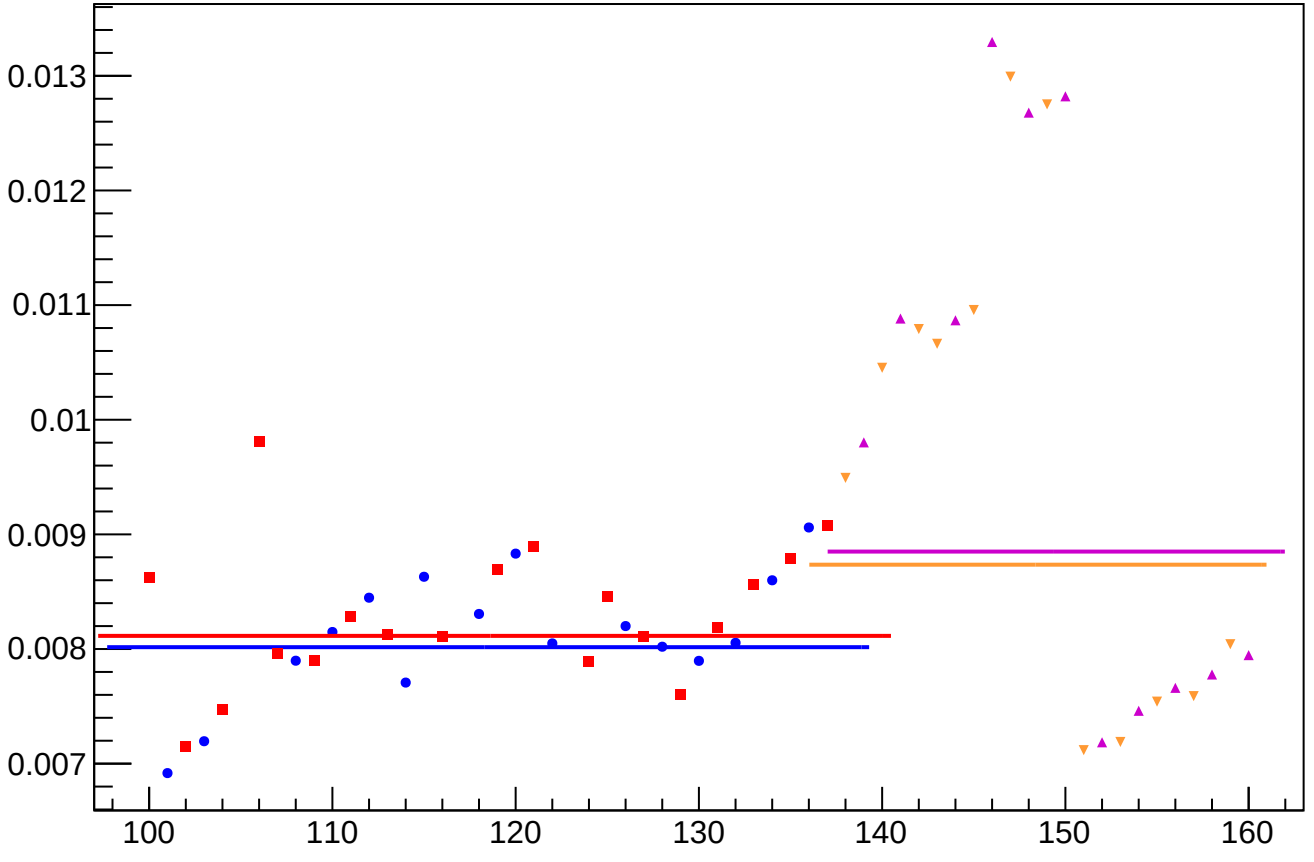
Left In: -2.538+/-0.000 χ^2/NDF:1276861853.1/10

+ sign -2.960+/-0.000 χ^2/NDF: 87607802393.5/27

All: -2.991+/-0.000 χ^2/NDF: 170378636412.7

- 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:715010.9/11

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

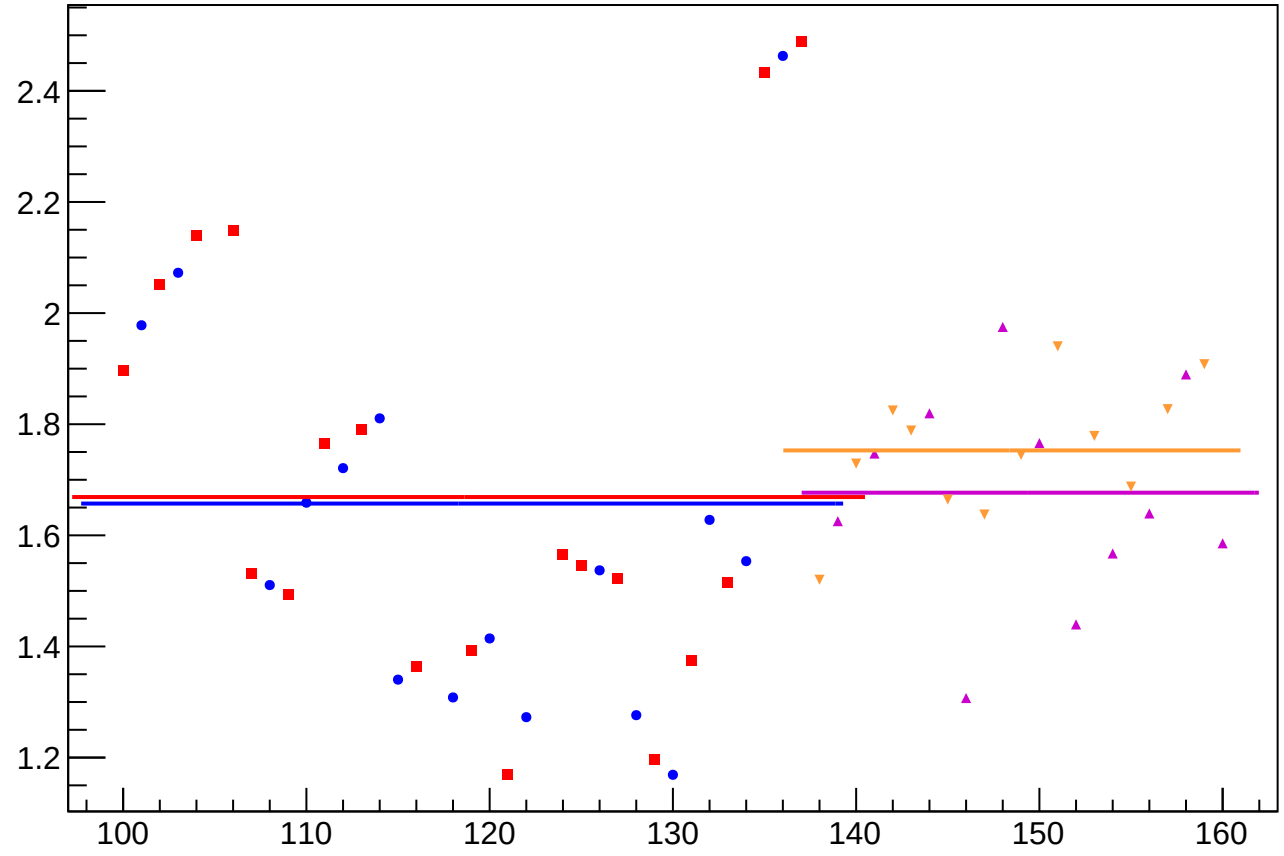
Left In: 0.009+/-0.000 χ^2/NDF:805839.4/10

+ sign 0.008+/-0.000 χ^2/NDF: 858182.0/27

All: 0.008+/-0.000 χ^2/NDF: 1795937.3/57

- 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: 1.753+/-0.000 χ^2/NDF:911447855.5/11

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

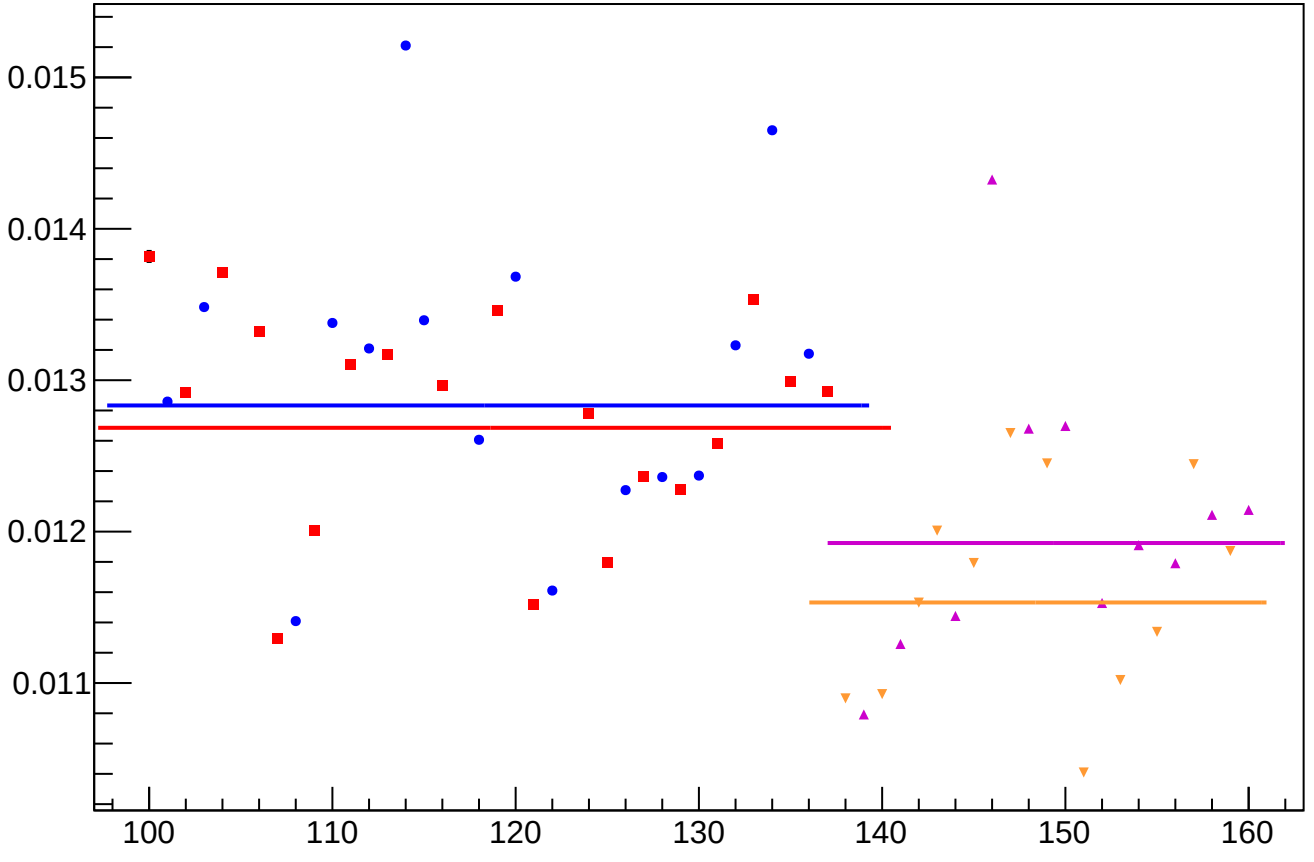
Left In: 1.677+/-0.000 χ^2/NDF:1859135923.1/10

+ sign 1.716+/-0.000 χ^2/NDF: 7816159121.1/27

All: 1.695+/-0.000 χ^2/NDF: 16131011835.0/5

- sign 1.673+/-0.000 χ^2/NDF: 8218318056.3/29

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:64246.5/11

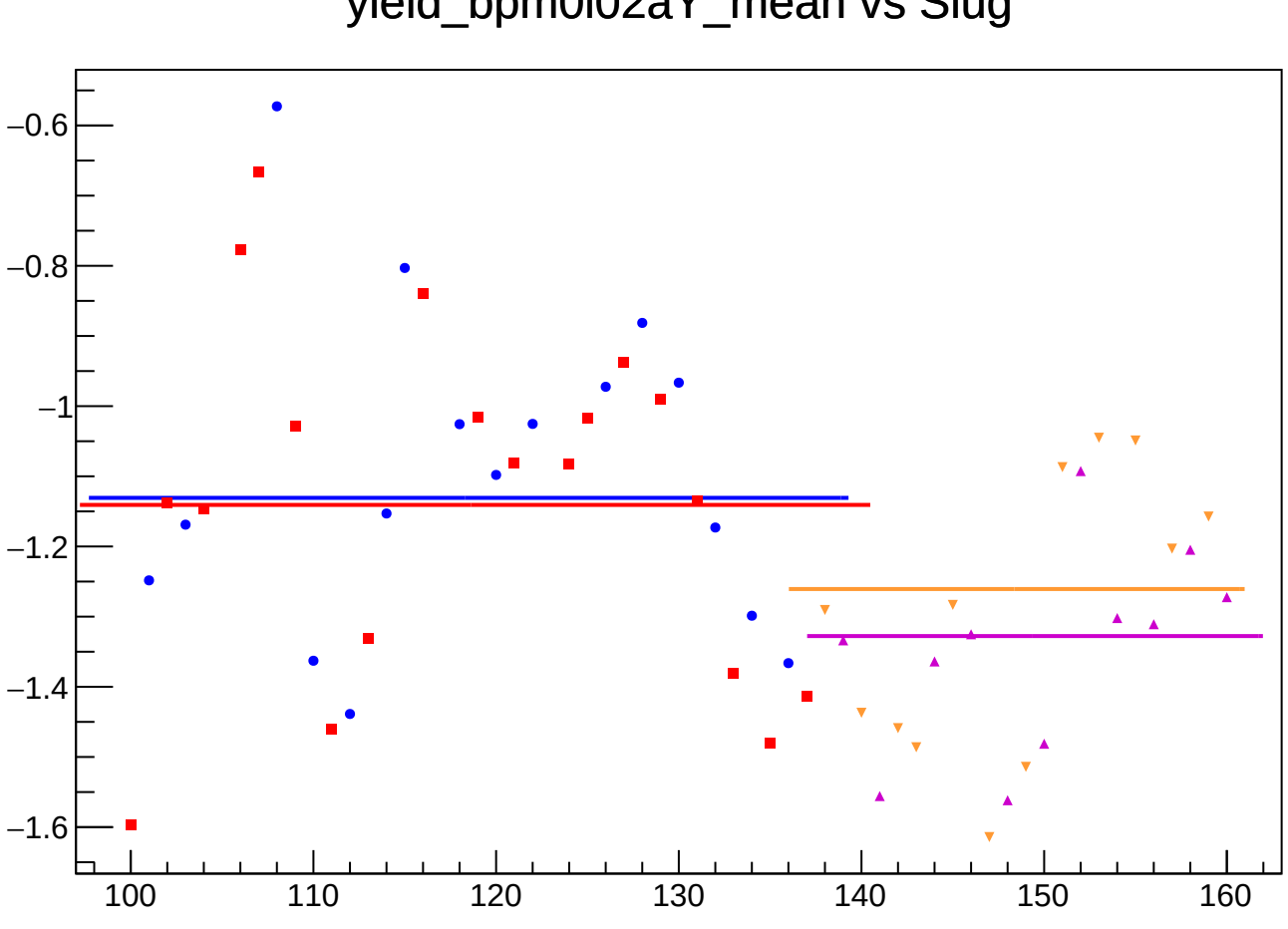
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:85632.5/10

+ sign 0.012+/-0.000 χ^2/NDF: 205049.4/27

All: 0.012+/-0.000 χ^2/NDF: 368731.6/57

- sign 0.012+/-0.000 χ^2/NDF: 159054.8/29



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.261+/-0.000 χ^2/NDF:4047238181.7/11

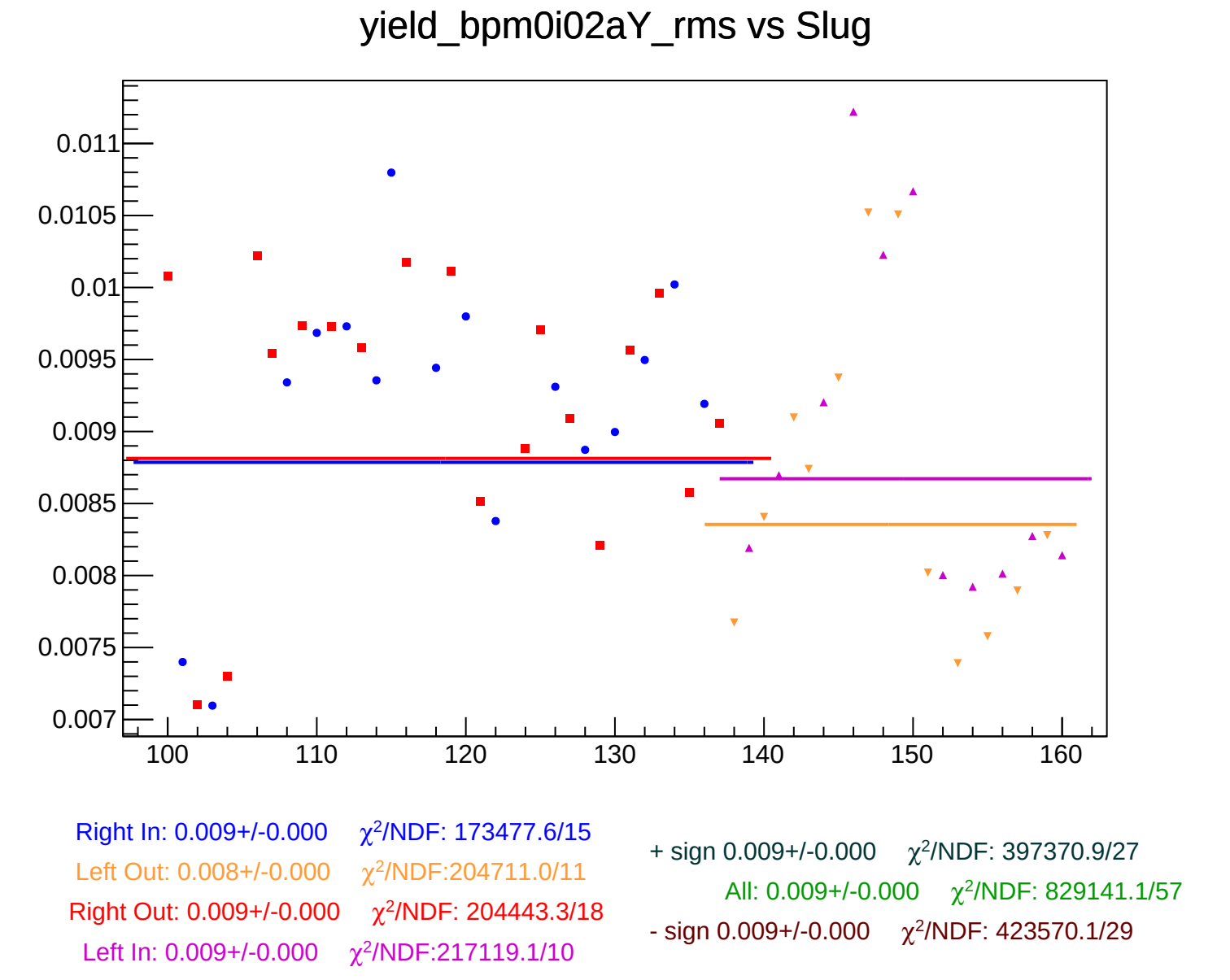
Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

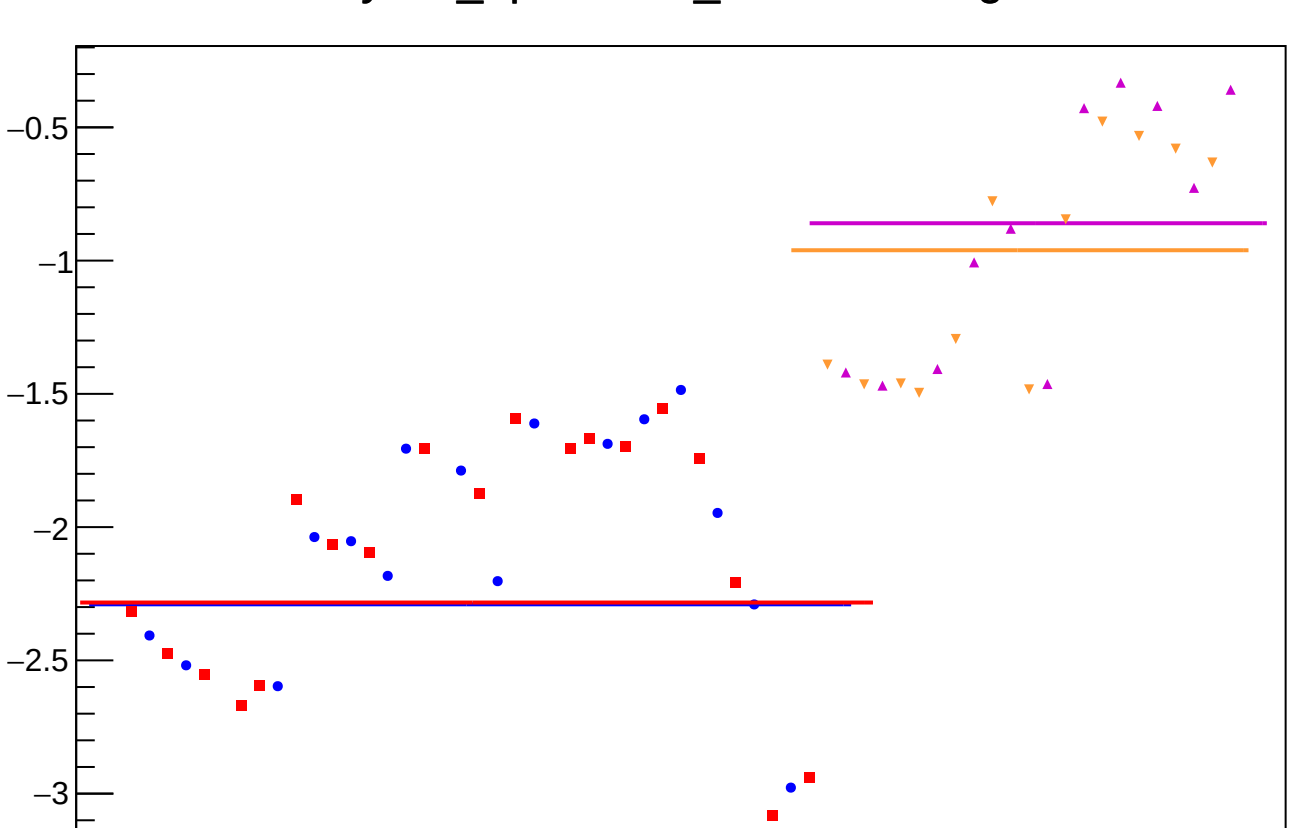
Left In: -1.328+/-0.000 χ^2/NDF:2047084749.9/10

+ sign -1.206+/-0.000 χ^2/NDF: 8708161853.5/27

All: -1.226+/-0.000 χ^2/NDF: 16224377436.8/

- sign -1.246+/-0.000 χ^2/NDF: 7350707287.7/29


yield_bpm0i02aY_rms vs Slug
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
100
110
120
130
140
150
160
Right In: 0.009+/-0.000 χ²/NDF: 173477.6/15
Left Out: 0.008+/-0.000 χ²/NDF:204711.0/11
Right Out: 0.009+/-0.000 χ²/NDF: 204443.3/18
Left In: 0.009+/-0.000 χ²/NDF:217119.1/10
+ sign 0.009+/-0.000 χ²/NDF: 397370.9/27
All: 0.009+/-0.000 χ²/NDF: 829141.1/57
- sign 0.009+/-0.000 χ²/NDF: 423570.1/29



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.961+/-0.000 χ^2/NDF:21348583584.0/11

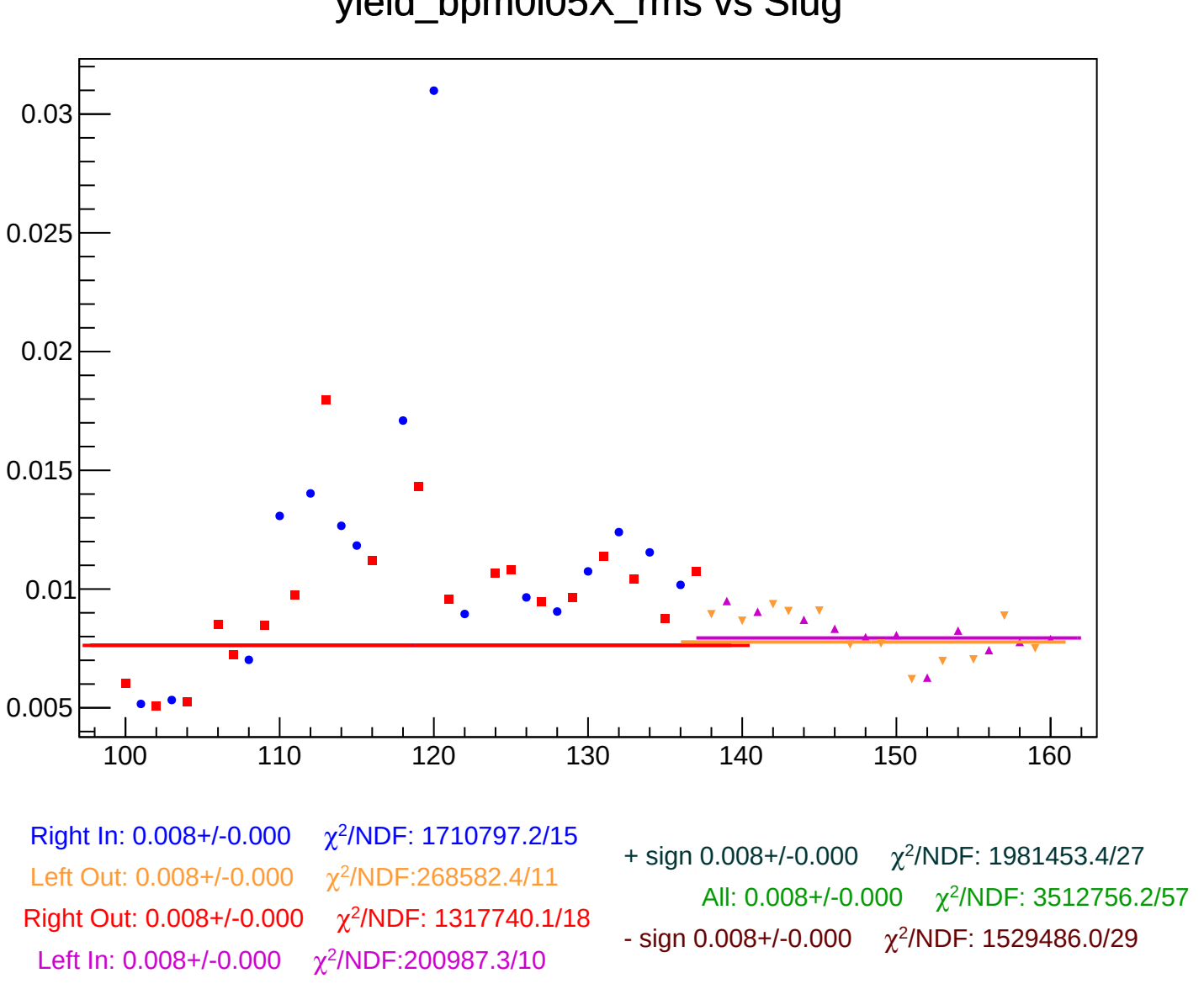
Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

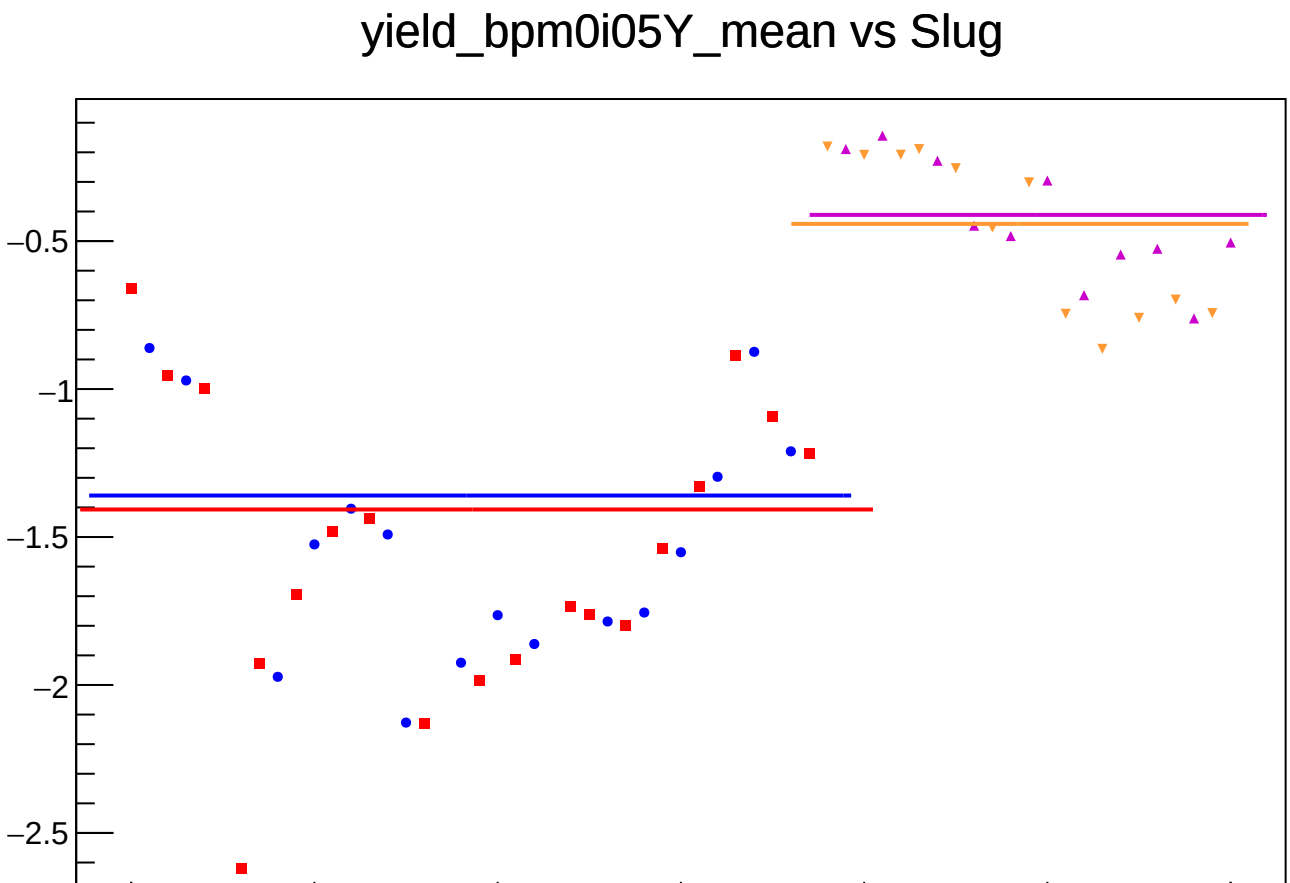
Left In: -0.860+/-0.000 χ^2/NDF:26032664929.2/10

+ sign -1.485+/-0.000 χ^2/NDF: 129813008158.8/27

All: -1.474+/-0.000 χ^2/NDF: 284108207367.1

- sign -1.463+/-0.000 χ^2/NDF: 154239778198.0/29


yield_bpm0i05X_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: 1710797.2/15
Left Out: 0.008+/-0.000 χ²/NDF:268582.4/11
Right Out: 0.008+/-0.000 χ²/NDF: 1317740.1/18
Left In: 0.008+/-0.000 χ²/NDF:200987.3/10
+ sign 0.008+/-0.000 χ²/NDF: 1981453.4/27
All: 0.008+/-0.000 χ²/NDF: 3512756.2/57
- sign 0.008+/-0.000 χ²/NDF: 1529486.0/29



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.442+/-0.000 χ^2/NDF:27396261473.3/11

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

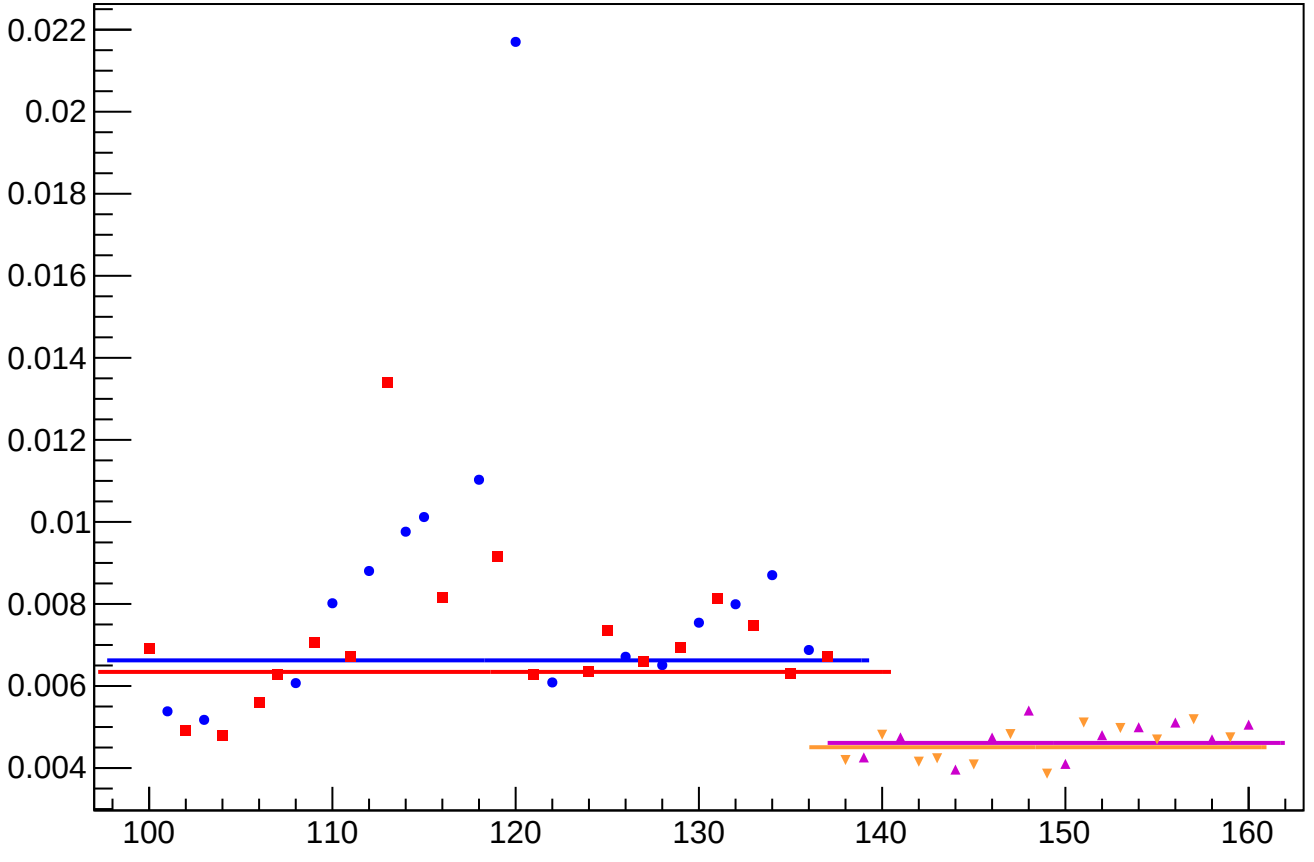
Left In: -0.411+/-0.000 χ^2/NDF:15439170158.5/10

+ sign -0.665+/-0.000 χ^2/NDF: 133036696841.1/27

All: -0.677+/-0.000 χ^2/NDF: 287132054895.

- 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:150279.4/11

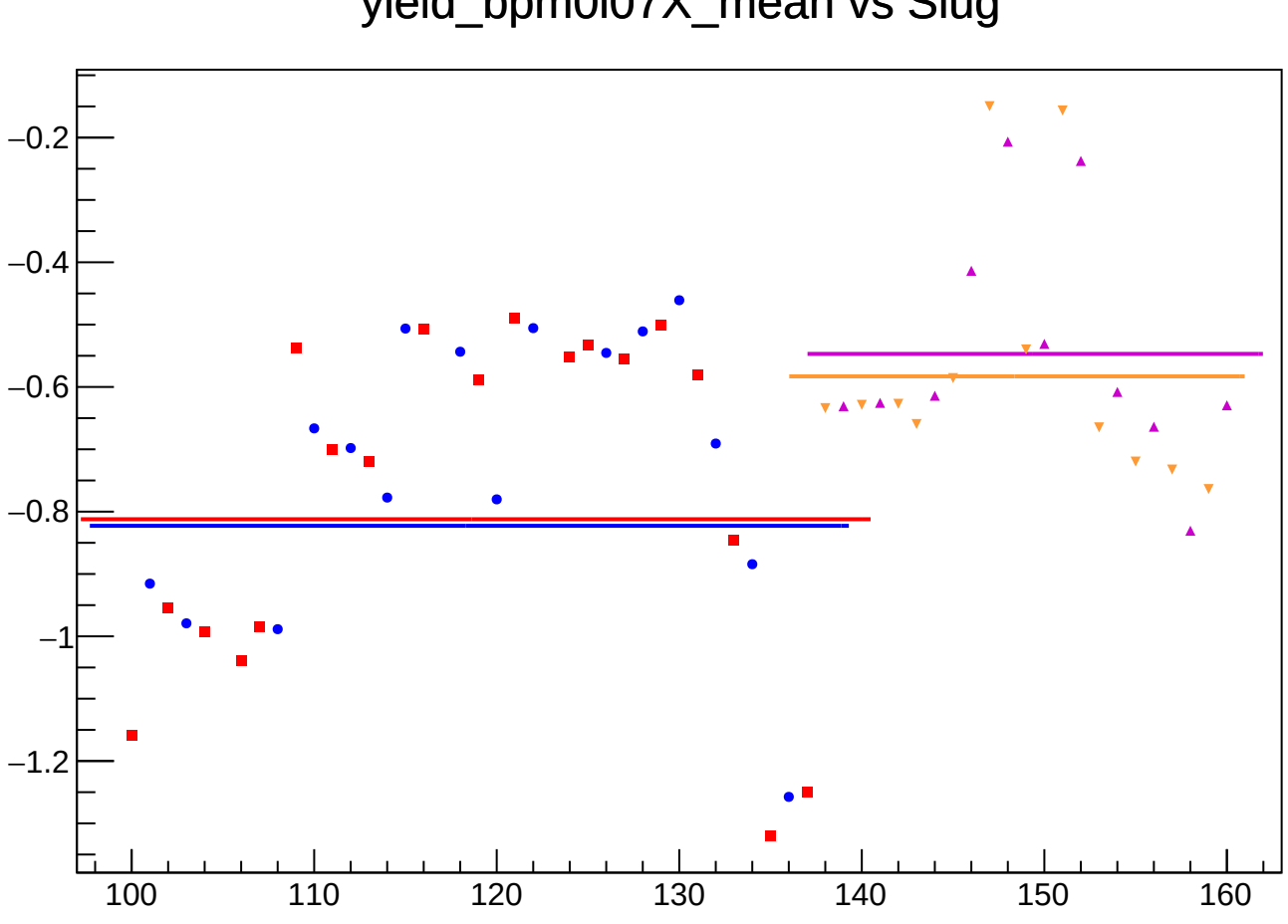
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:147272.8/10

+ sign 0.005+/-0.000 χ^2/NDF: 1739638.6/27

All: 0.005+/-0.000 χ^2/NDF: 3076095.6/57

- 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: -0.583+/-0.000 χ^2/NDF:14026166320.4/11

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

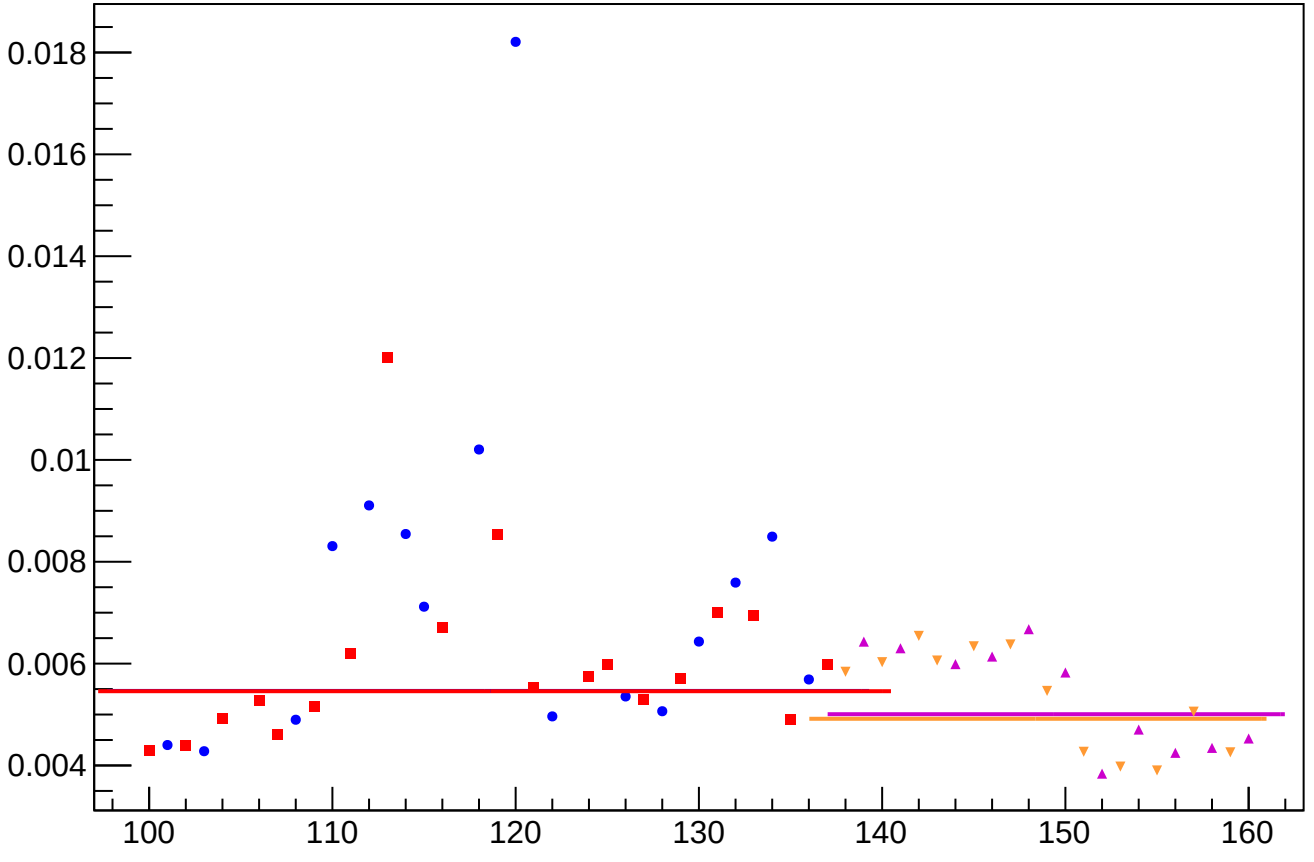
Left In: -0.547+/-0.000 χ^2/NDF:12041403433.3/10

+ sign -0.669+/-0.000 χ^2/NDF: 33064653749.0/27

All: -0.659+/-0.000 χ^2/NDF: 68765524651.8/

- 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:596872.7/11

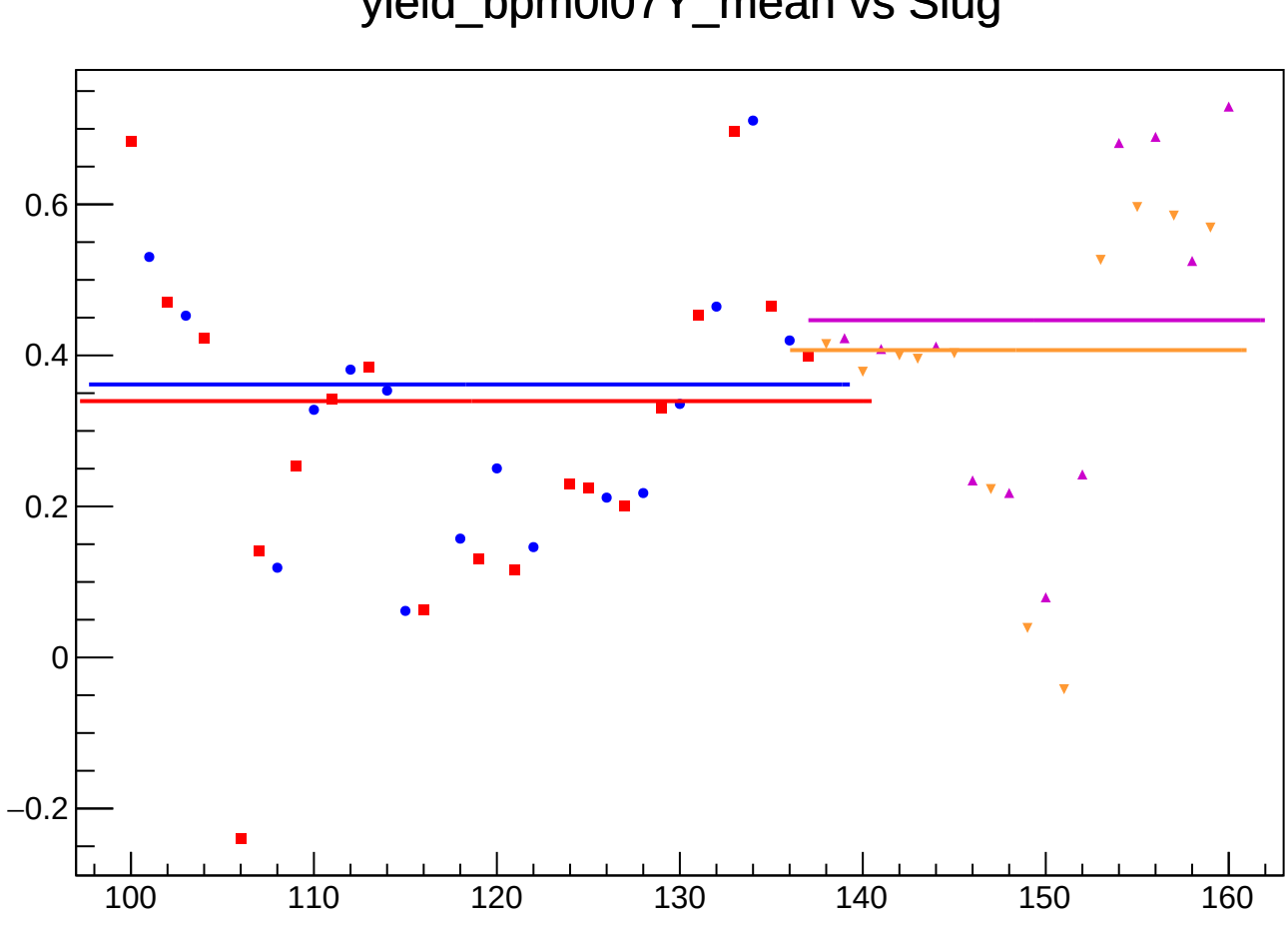
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:610721.5/10

+ sign 0.005+/-0.000 χ^2/NDF: 1629176.4/27

All: 0.005+/-0.000 χ^2/NDF: 2800775.5/57

- 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: 0.407+/-0.000 χ^2/NDF:15998457698.8/11

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

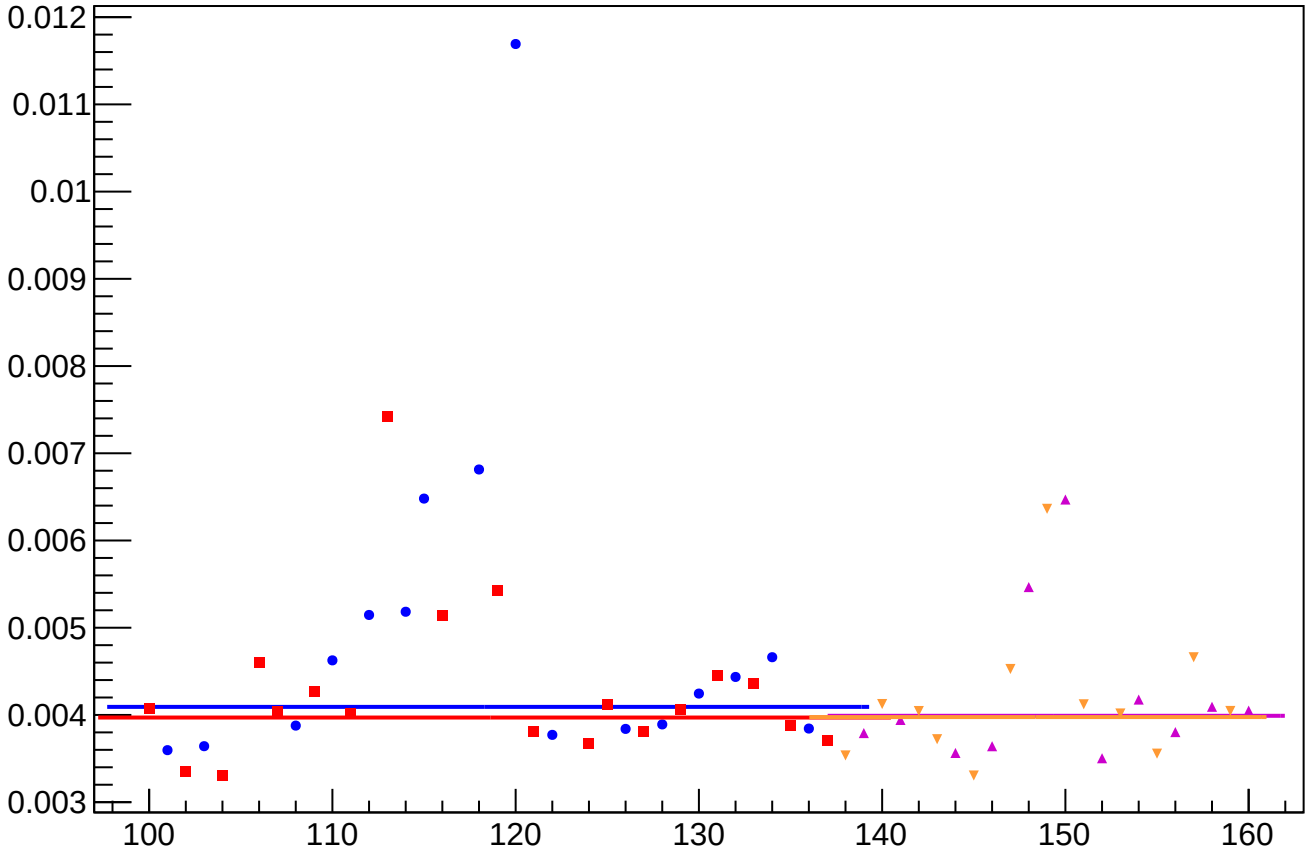
Left In: 0.447+/-0.000 χ^2/NDF:17262279055.9/10

+ sign 0.387+/-0.000 χ^2/NDF: 25191446602.7/27

All: 0.391+/-0.000 χ^2/NDF: 57018495387.7/5

- 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:325449.7/11

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

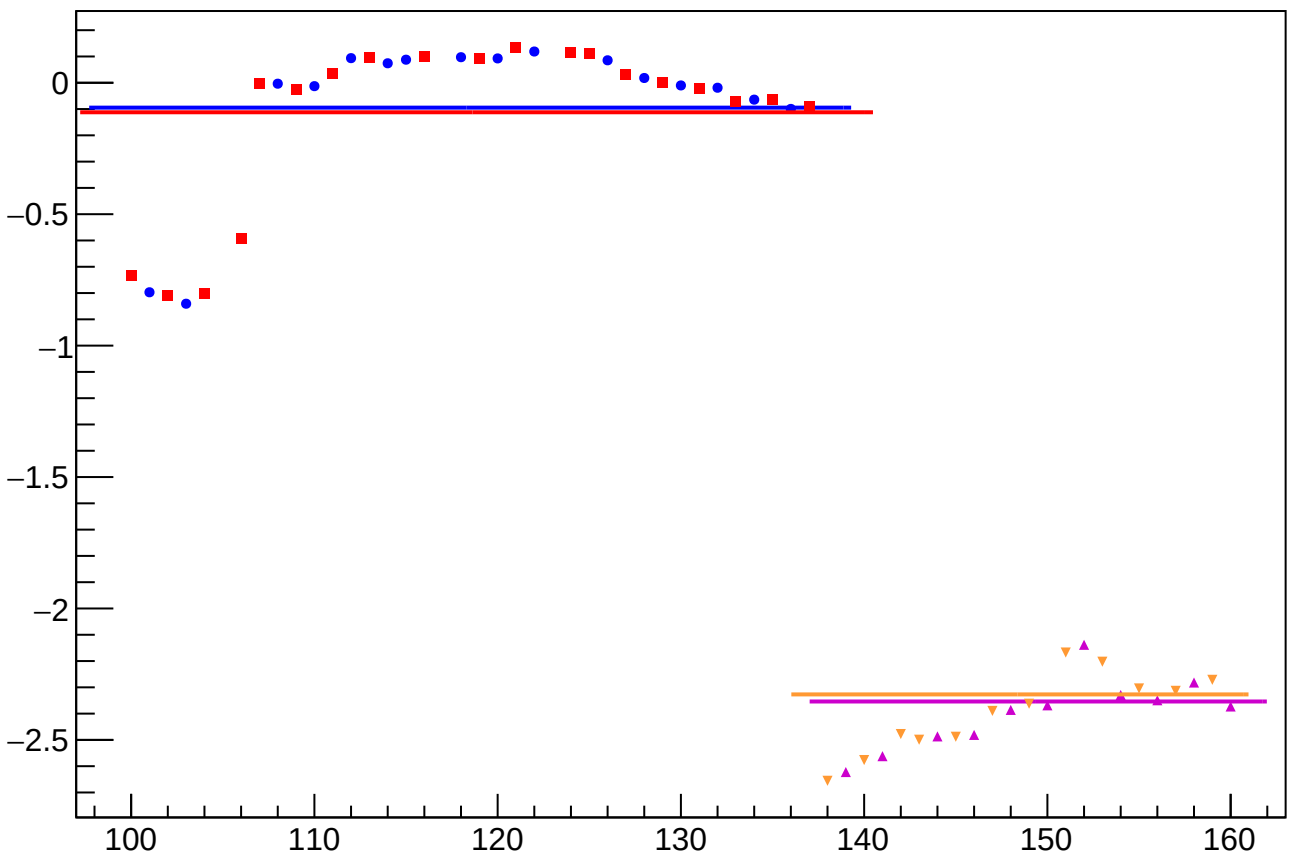
Left In: 0.004+/-0.000 χ^2/NDF:365135.5/10

+ sign 0.004+/-0.000 χ^2/NDF: 822722.6/27

All: 0.004+/-0.000 χ^2/NDF: 1503582.9/57

- 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: -2.327+/-0.000 χ^2/NDF:1561312263.8/11

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

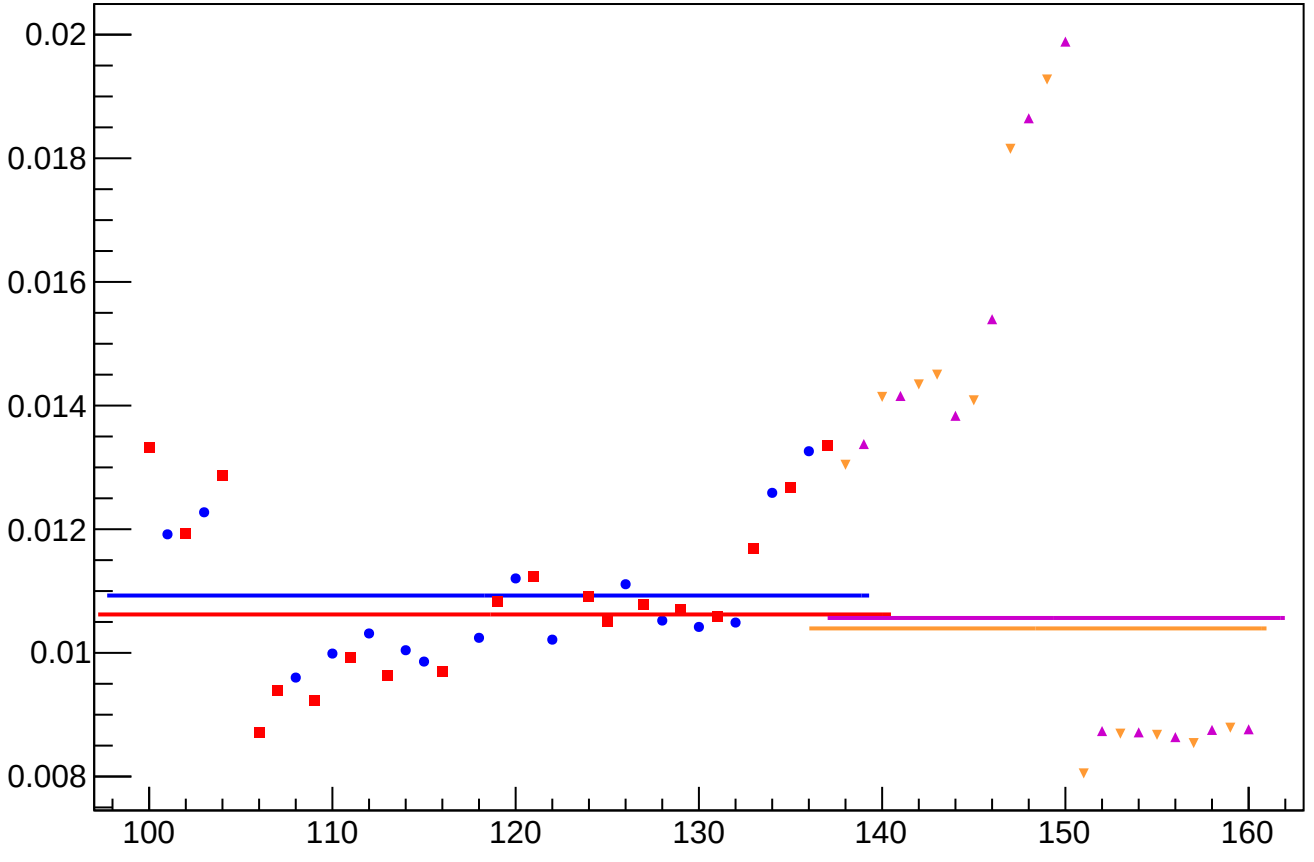
Left In: -2.354+/-0.000 χ^2/NDF:1269065304.5/10

+ sign -1.375+/-0.000 χ^2/NDF: 177571576335.1/27

All: -1.354+/-0.000 χ^2/NDF: 363848343542.8

- 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:1542101.7/11

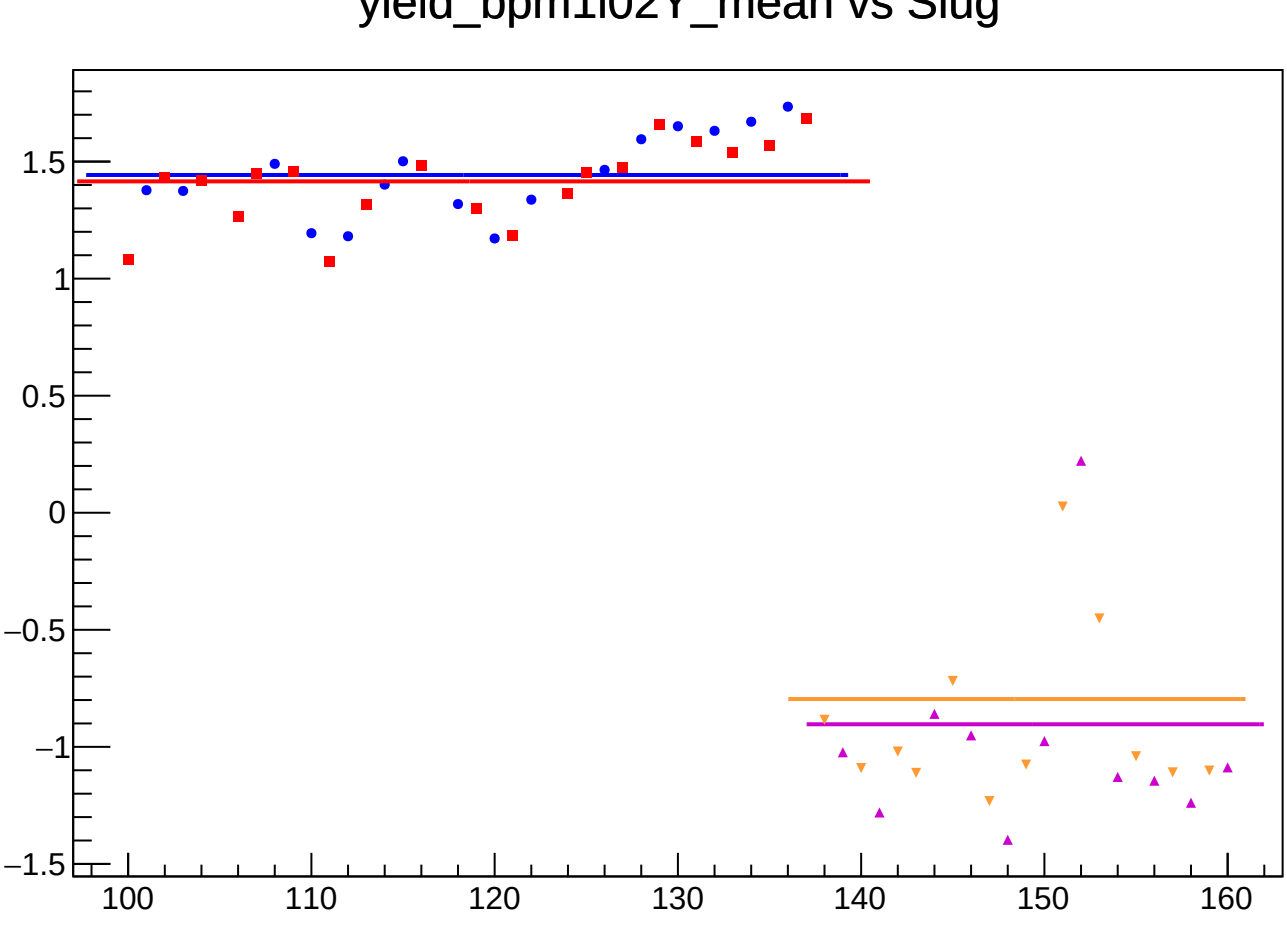
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.011+/-0.000 χ^2/NDF:1549111.4/10

+ sign 0.011+/-0.000 χ^2/NDF: 1697949.1/27

All: 0.011+/-0.000 χ^2/NDF: 3437960.5/57

- 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: -0.796+/-0.000 χ^2/NDF:26393146582.0/11

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

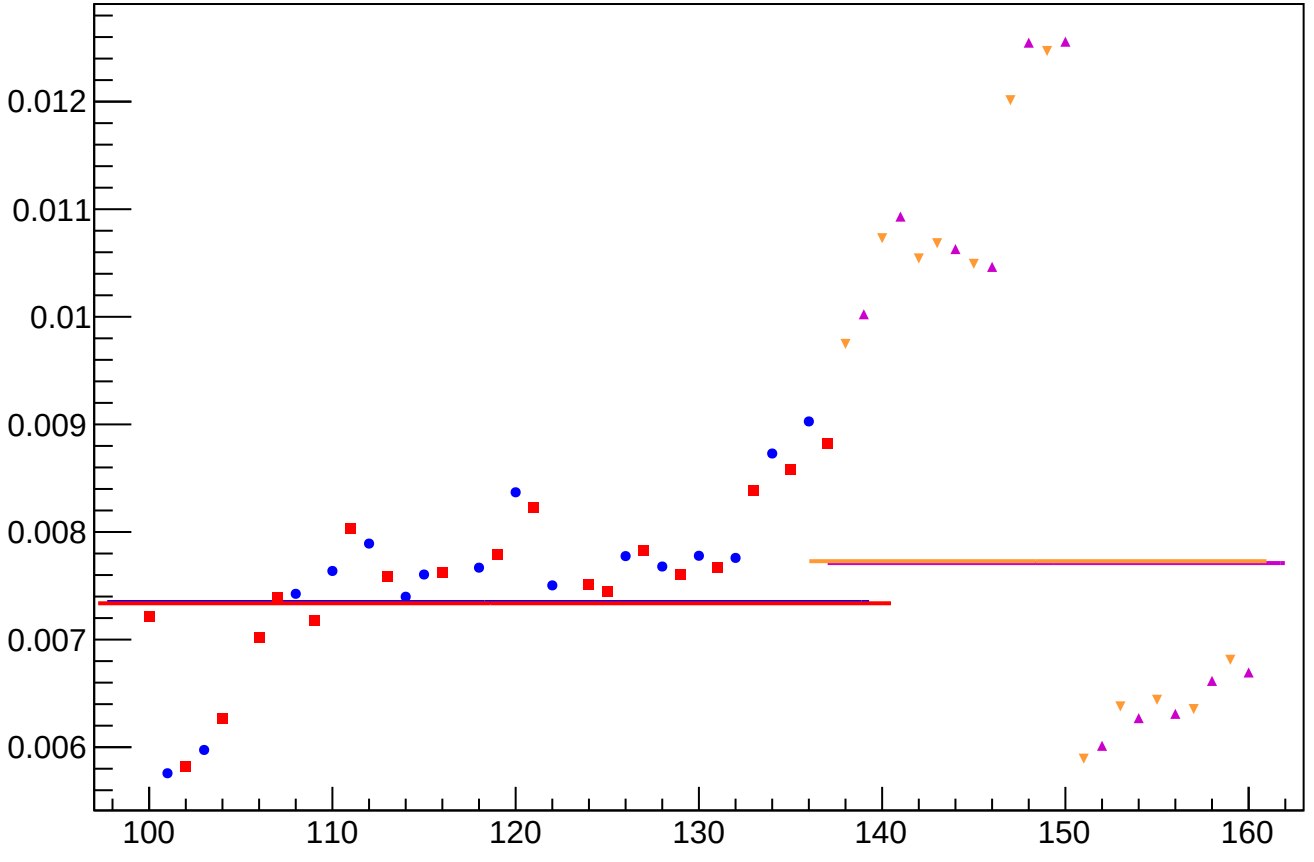
Left In: -0.904+/-0.000 χ^2/NDF:37950562413.1/10

+ sign 0.258+/-0.000 χ^2/NDF: 377065213449.2/27

All: 0.234+/-0.000 χ^2/NDF: 800491880435.1

- 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:1353844.6/11

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

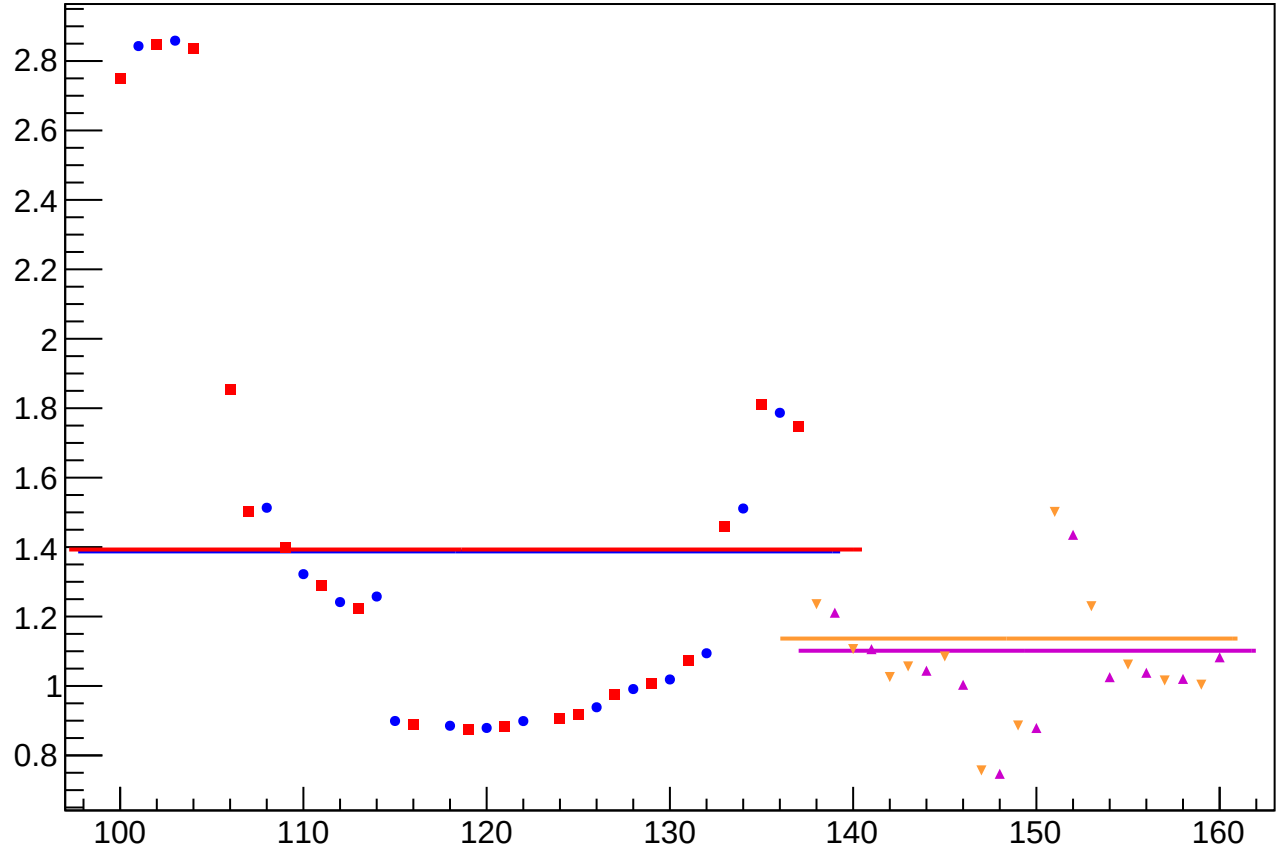
Left In: 0.008+/-0.000 χ^2/NDF:1412277.0/10

+ sign 0.008+/-0.000 χ^2/NDF: 1644643.4/27

All: 0.008+/-0.000 χ^2/NDF: 3272252.4/57

- 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: 1.137+/-0.000 χ^2/NDF:5302536255.0/11

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

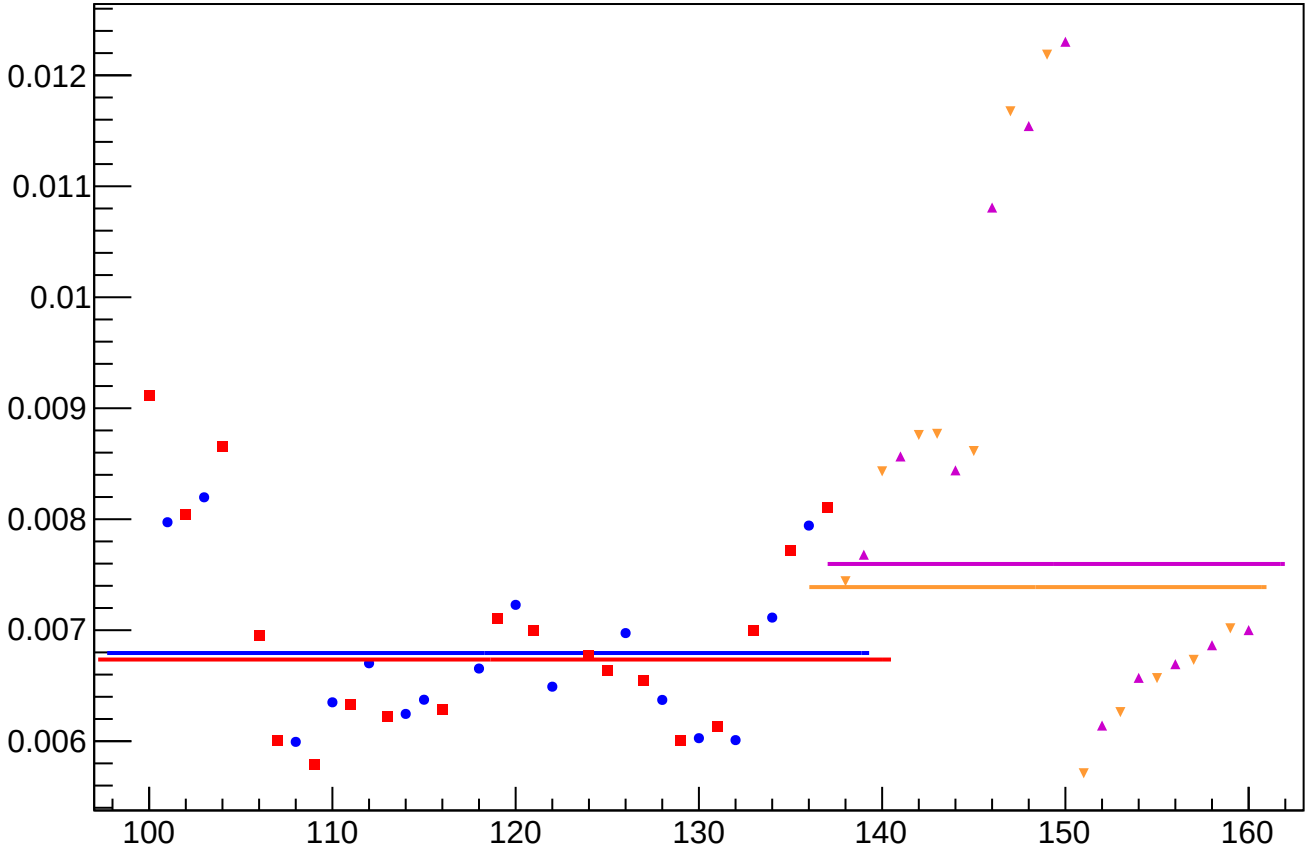
Left In: 1.101+/-0.000 χ^2/NDF:4143951923.9/10

+ sign 1.259+/-0.000 χ^2/NDF: 68863196706.8/27

All: 1.255+/-0.000 χ^2/NDF: 135077020713.7

- 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:782669.0/11

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

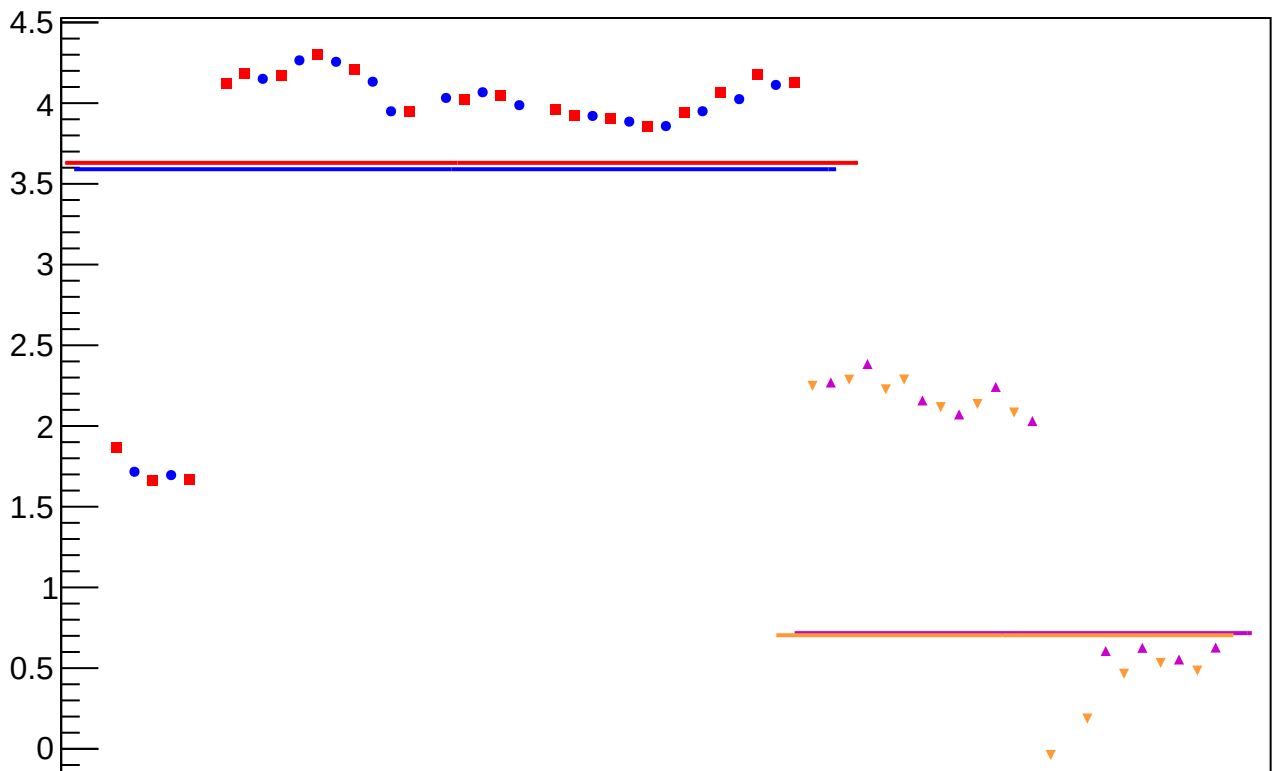
Left In: 0.008+/-0.000 χ^2/NDF:806827.8/10

+ sign 0.007+/-0.000 χ^2/NDF: 1002547.9/27

All: 0.007+/-0.000 χ^2/NDF: 2125665.3/57

- sign 0.007+/-0.000 χ^2/NDF: 1122118.8/29

yield_bpm1i04Y_mean vs Slug



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.704+/-0.000 χ^2/NDF:242605184929.5/11

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

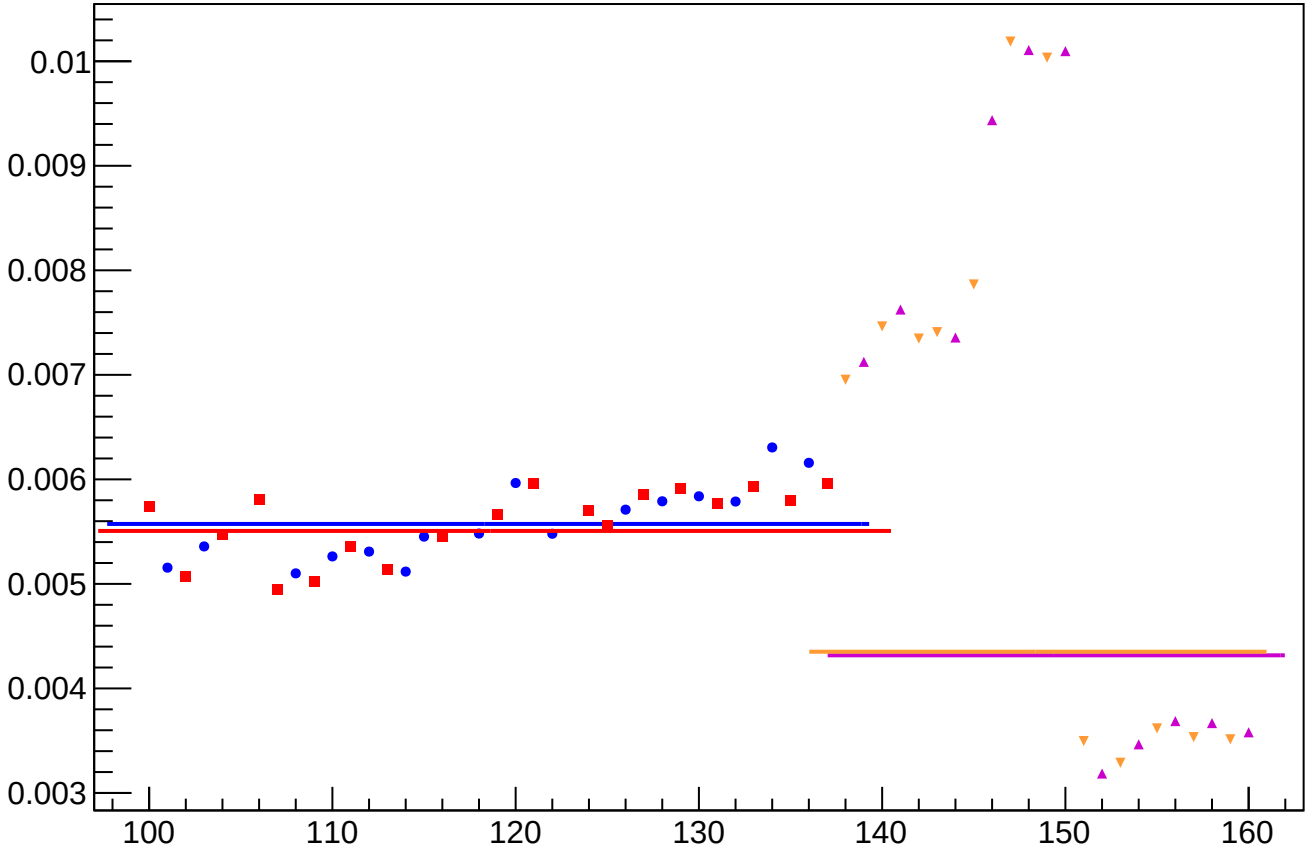
Left In: 0.717+/-0.000 χ^2/NDF:241383456804.5/10

+ sign 1.752+/-0.000 χ^2/NDF: 1669141020574.8/27

All: 1.772+/-0.000 χ^2/NDF: 3414271498957.

- sign 1.790+/-0.000 χ^2/NDF: 1744670325972.1/29

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2675182.5/11

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

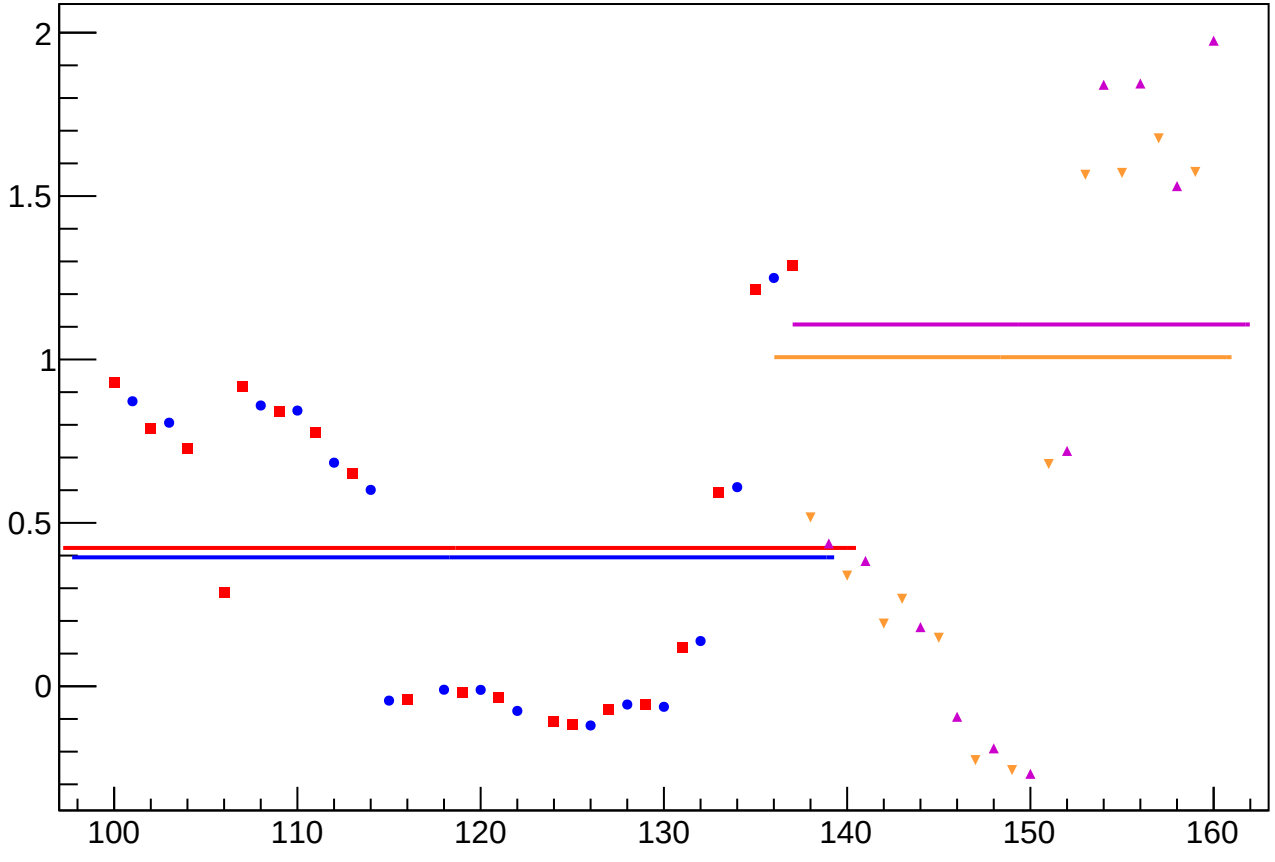
Left In: 0.004+/-0.000 χ^2/NDF:2864413.7/10

+ sign 0.005+/-0.000 χ^2/NDF: 3173323.6/27

All: 0.005+/-0.000 χ^2/NDF: 6526856.6/57

- 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: 1.007+/-0.000 χ^2/NDF:28364338804.5/11

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

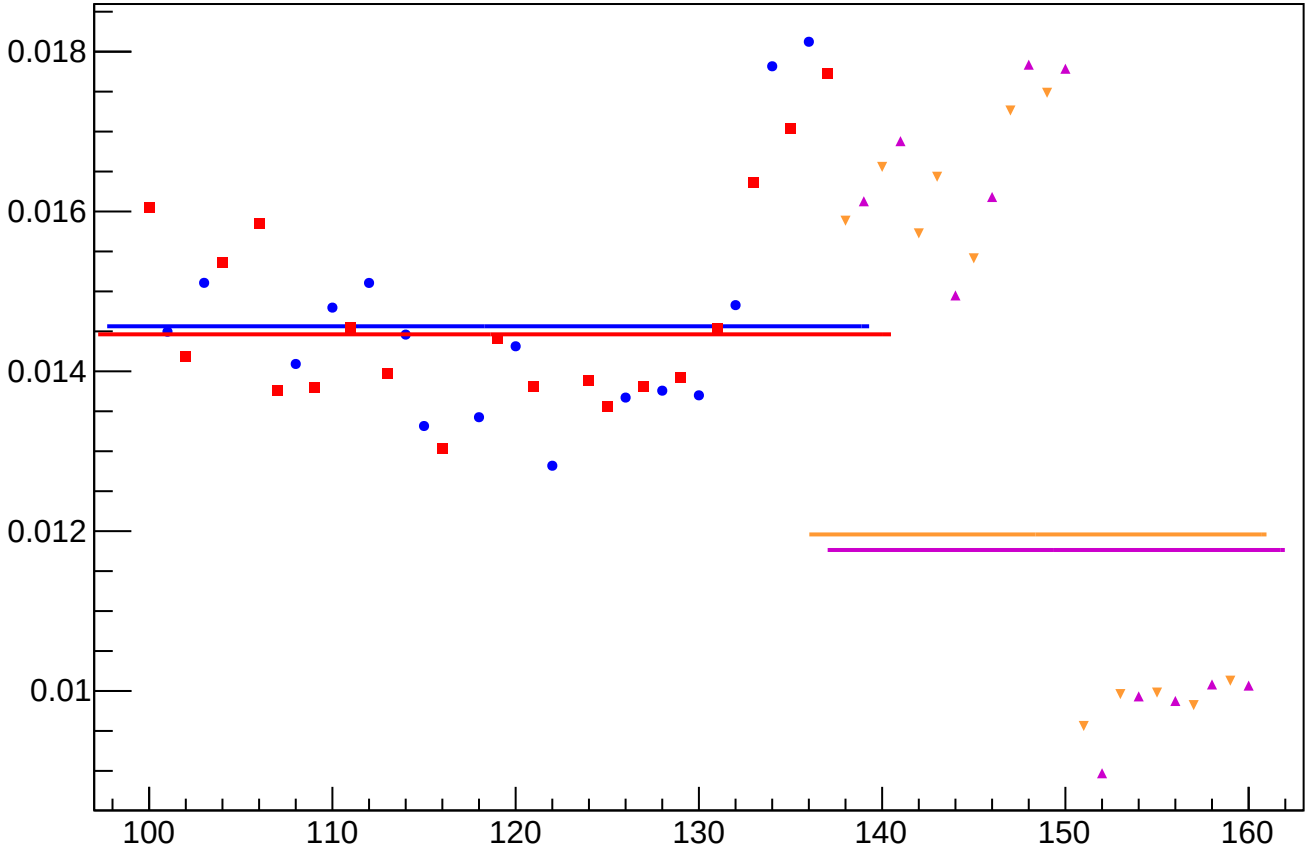
Left In: 1.107+/-0.000 χ^2/NDF:39465530495.1/10

+ sign 0.791+/-0.000 χ^2/NDF: 43902314026.6/27

All: 0.829+/-0.000 χ^2/NDF: 101051160399.8

- 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:1151344.3/11

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

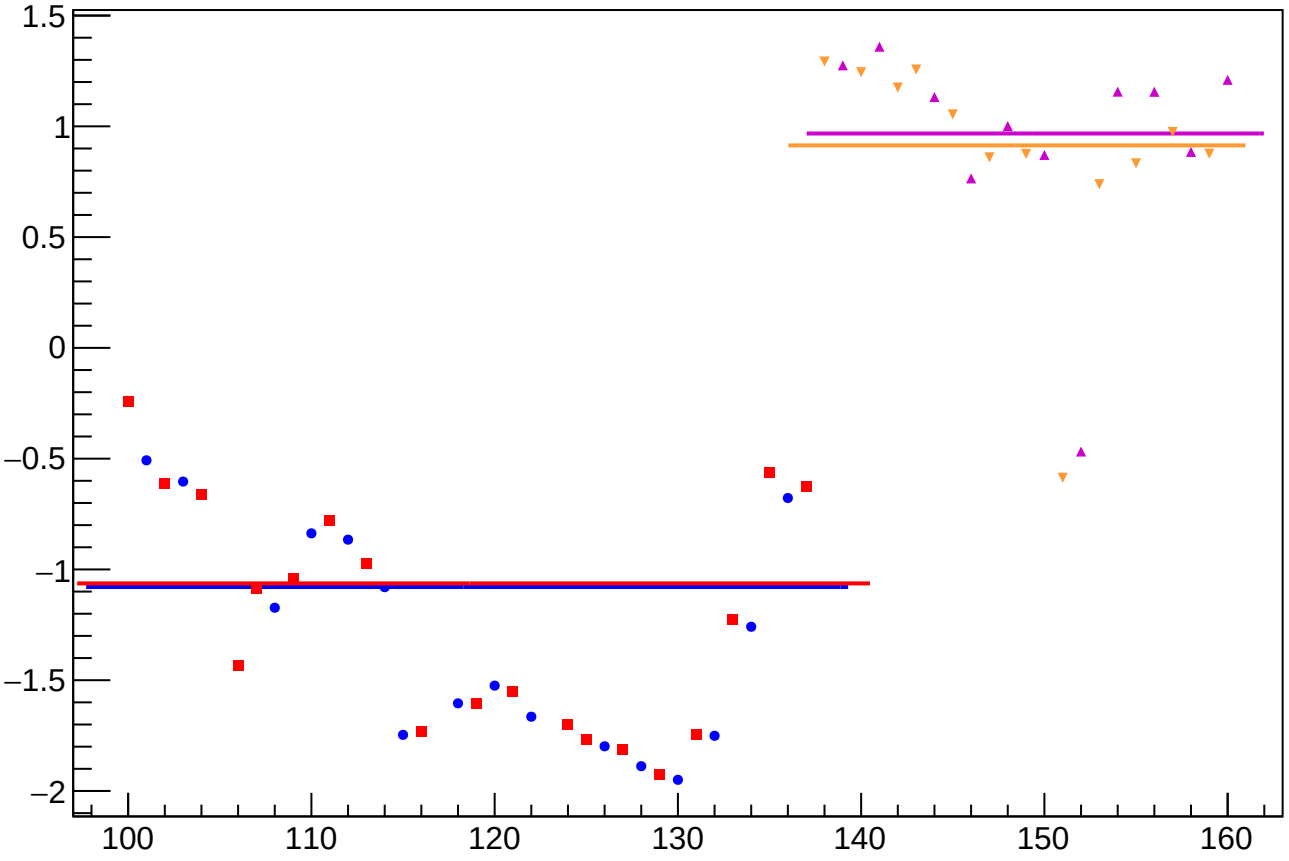
Left In: 0.012+/-0.000 χ^2/NDF:1268411.1/10

+ sign 0.013+/-0.000 χ^2/NDF: 1578387.4/27

All: 0.013+/-0.000 χ^2/NDF: 3254158.8/57

- sign 0.013+/-0.000 χ^2/NDF: 1673383.2/29

yield_bpm1i06Y_mean vs Slug



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.914+/-0.000 χ^2/NDF:98845145527.3/11

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

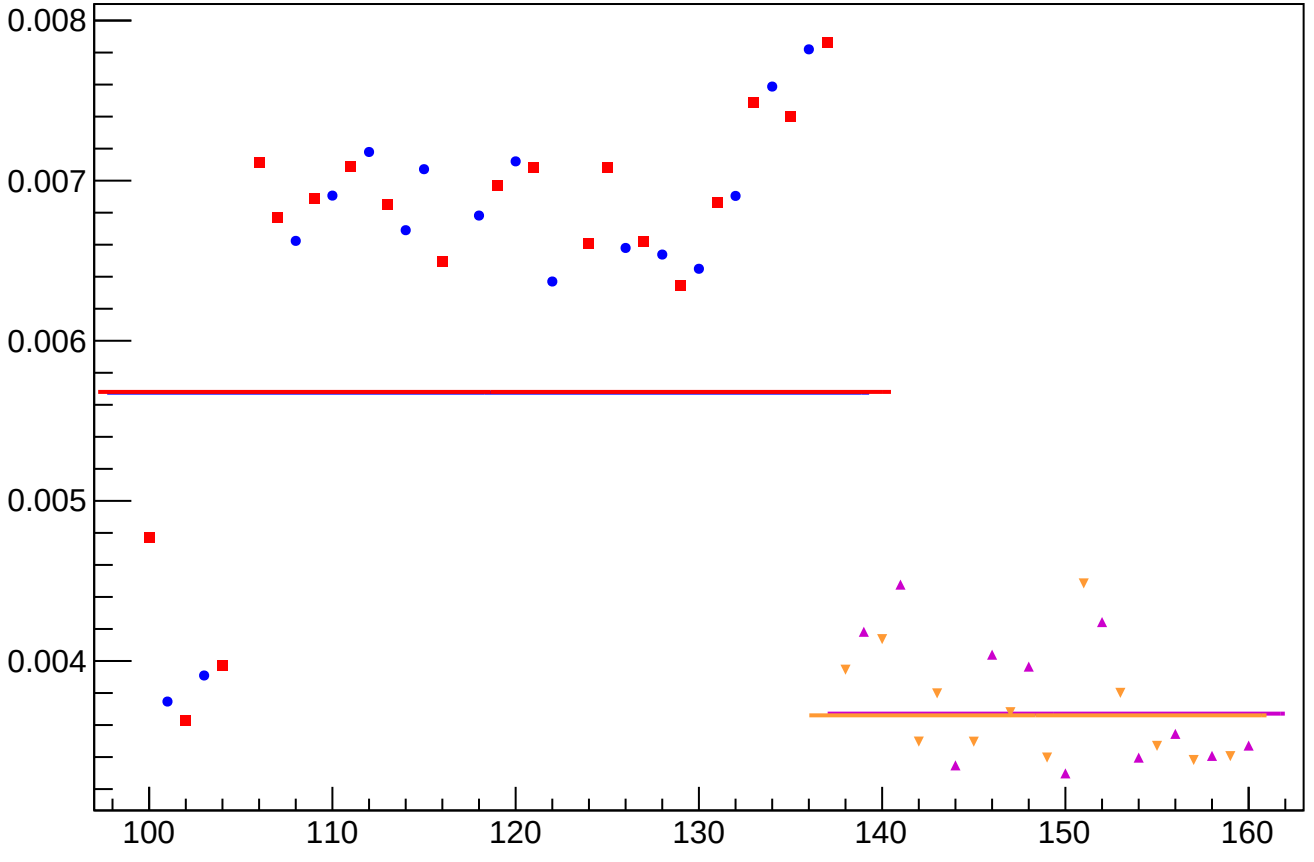
Left In: 0.968+/-0.000 χ^2/NDF:115643166449.9/10

+ sign 0.439+/-0.000 χ^2/NDF: 756914883547.2/27

All: 0.458+/-0.000 χ^2/NDF: 1547517971053.

- 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:115492.3/11

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

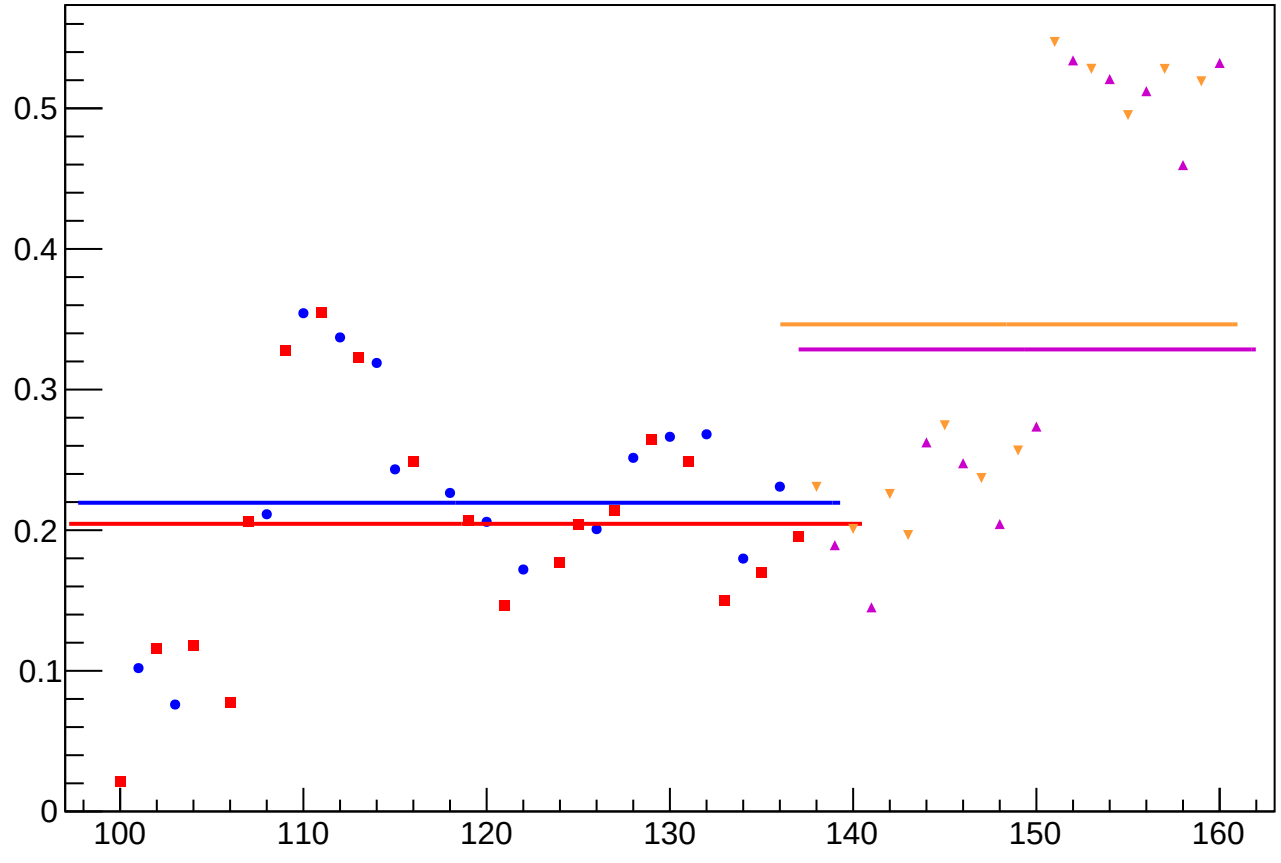
Left In: 0.004+/-0.000 χ^2/NDF:188014.9/10

+ sign 0.004+/-0.000 χ^2/NDF: 2283563.0/27

All: 0.004+/-0.000 χ^2/NDF: 4675172.4/57

- 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: 0.346+/-0.000 χ^2/NDF:92500598738.7/11

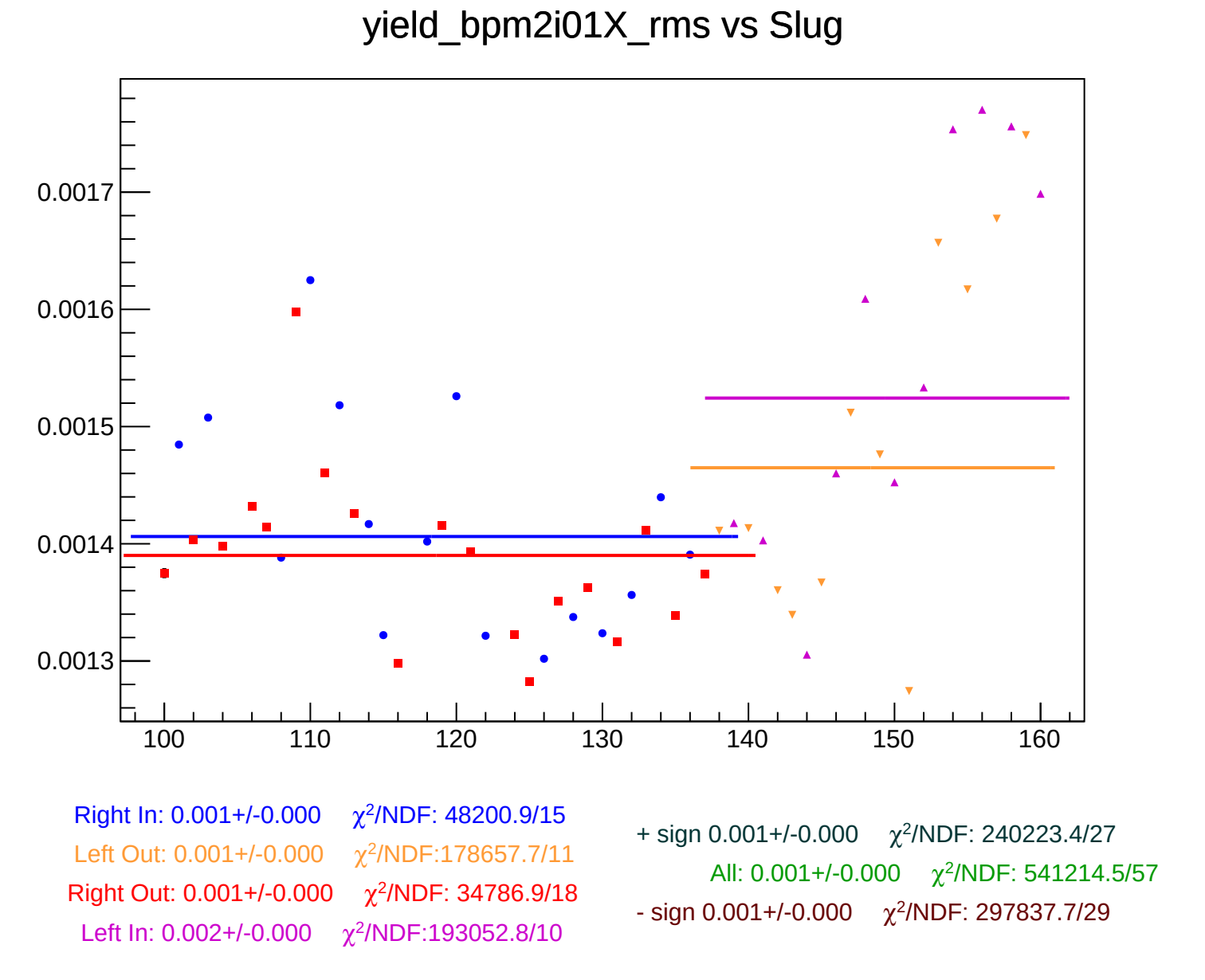
Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

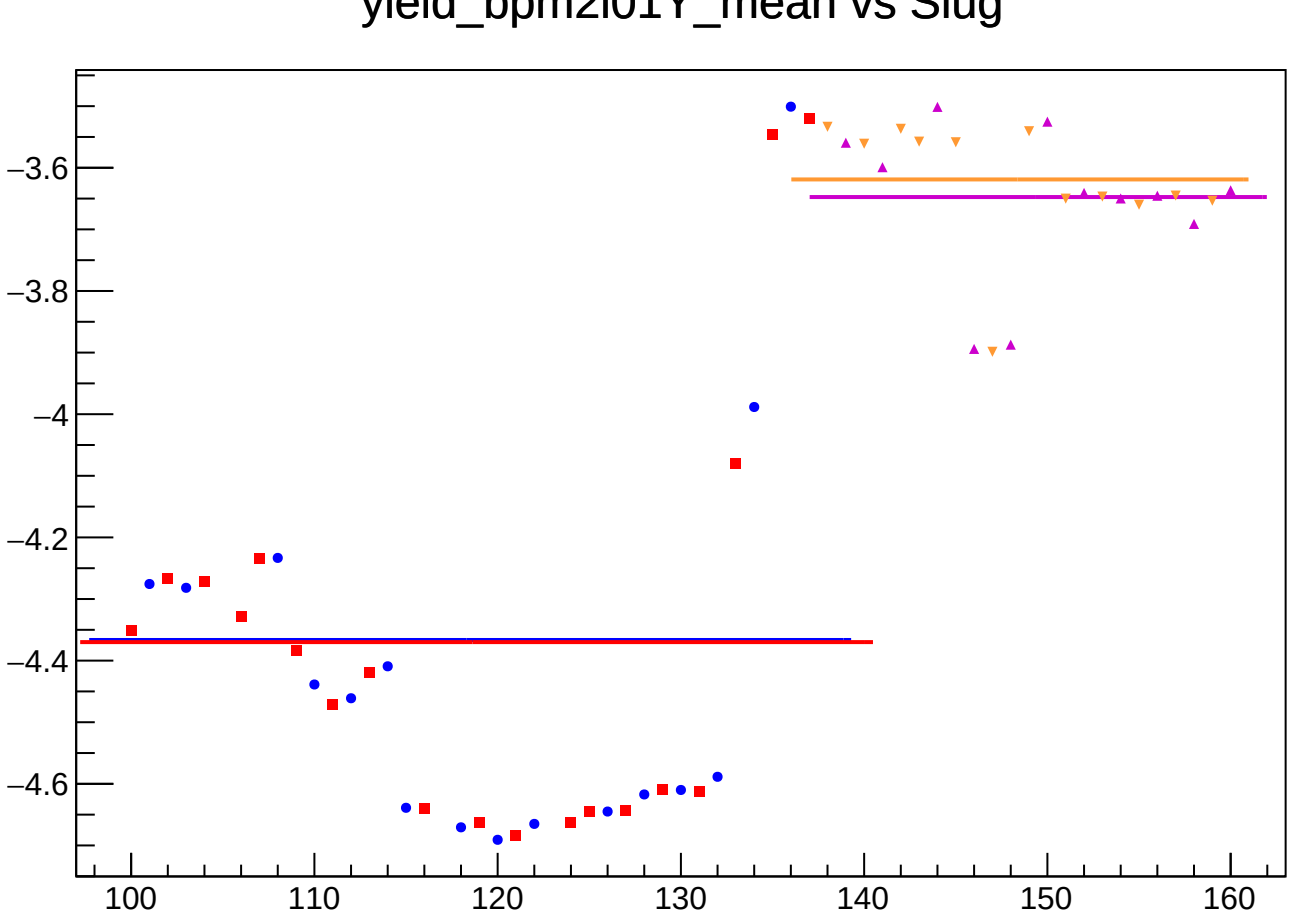
Left In: 0.329+/-0.000 χ^2/NDF:84708895346.9/10

+ sign 0.290+/-0.000 χ^2/NDF: 140477237072.2/27

All: 0.279+/-0.000 χ^2/NDF: 279198601491.9

- sign 0.268+/-0.000 χ^2/NDF: 136878481897.0/29


yield_bpm2i01X_rms vs Slug
0.0017
0.0016
0.0015
0.0014
0.0013
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 48200.9/15
Left Out: 0.001+/-0.000 χ²/NDF:178657.7/11
Right Out: 0.001+/-0.000 χ²/NDF: 34786.9/18
Left In: 0.002+/-0.000 χ²/NDF:193052.8/10
+ sign 0.001+/-0.000 χ²/NDF: 240223.4/27
All: 0.001+/-0.000 χ²/NDF: 541214.5/57
- sign 0.001+/-0.000 χ²/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:20315145601.8/11

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

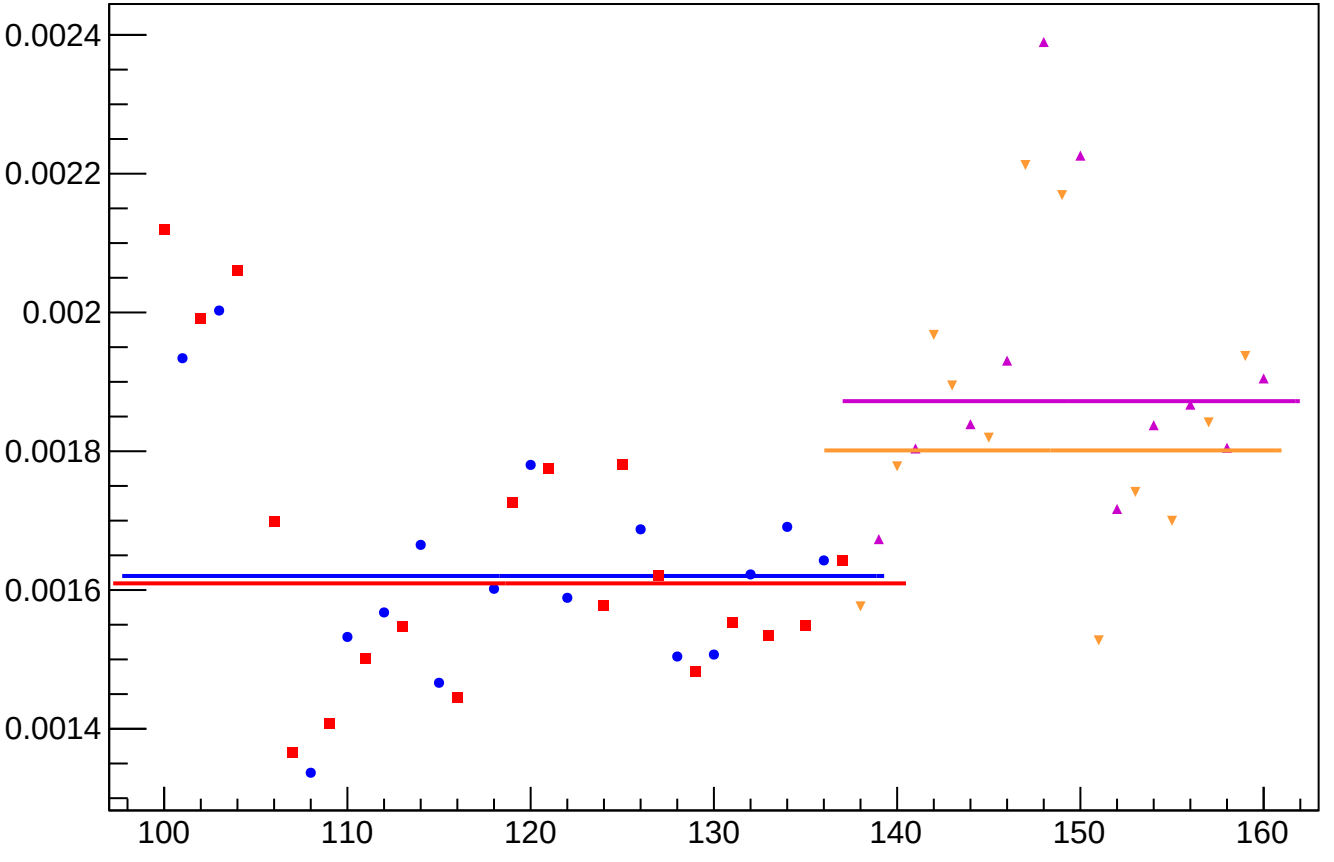
Left In: -3.648+/-0.000 χ^2/NDF:32932011633.4/10

+ sign -3.981+/-0.000 χ^2/NDF: 1127417257464.5/2

All: -4.000+/-0.000 χ^2/NDF: 2156760092594

- 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:209577.2/11

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

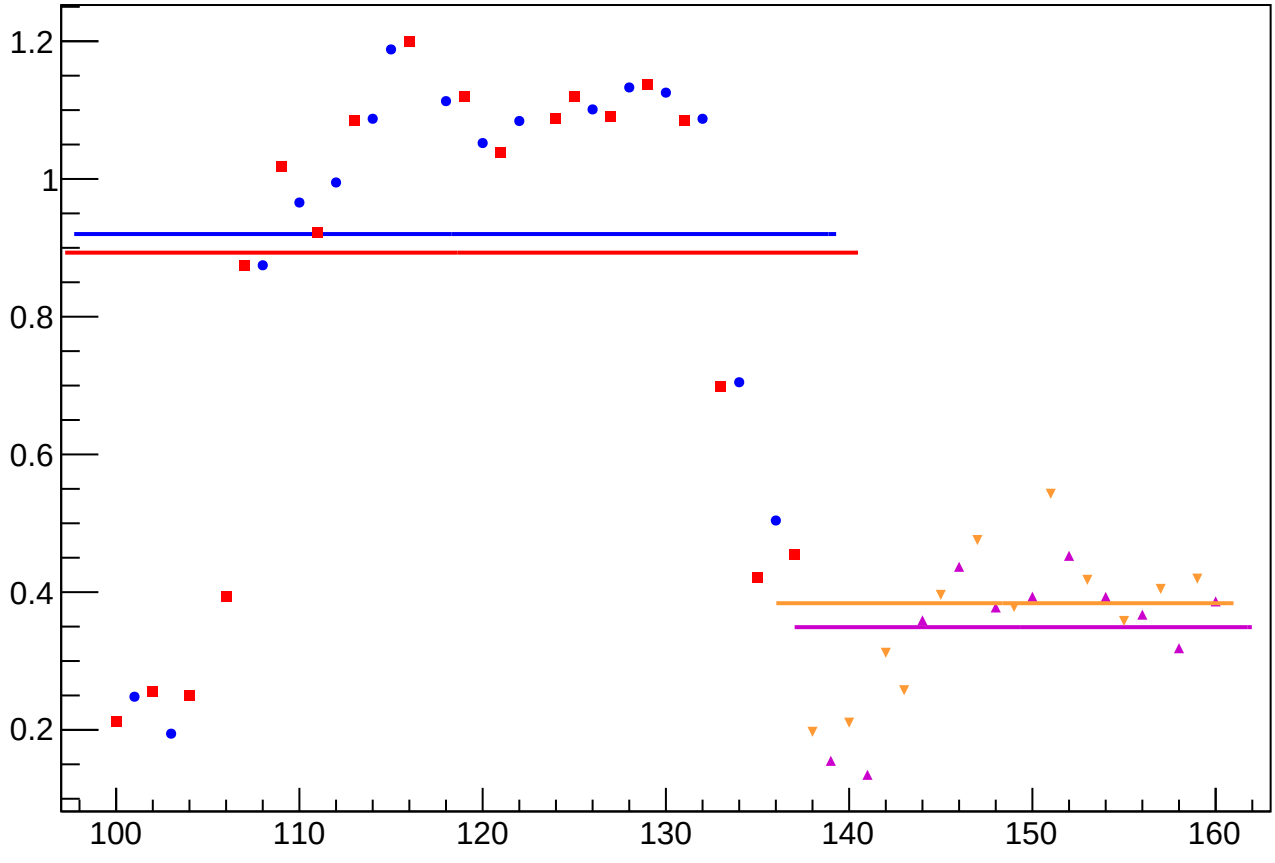
Left In: 0.002+/-0.000 χ^2/NDF:163319.7/10

+ sign 0.002+/-0.000 χ^2/NDF: 438153.1/27

All: 0.002+/-0.000 χ^2/NDF: 973491.2/57

- sign 0.002+/-0.000 χ^2/NDF: 532337.9/29

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.384+/-0.000 χ^2/NDF:1663098870.3/11

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

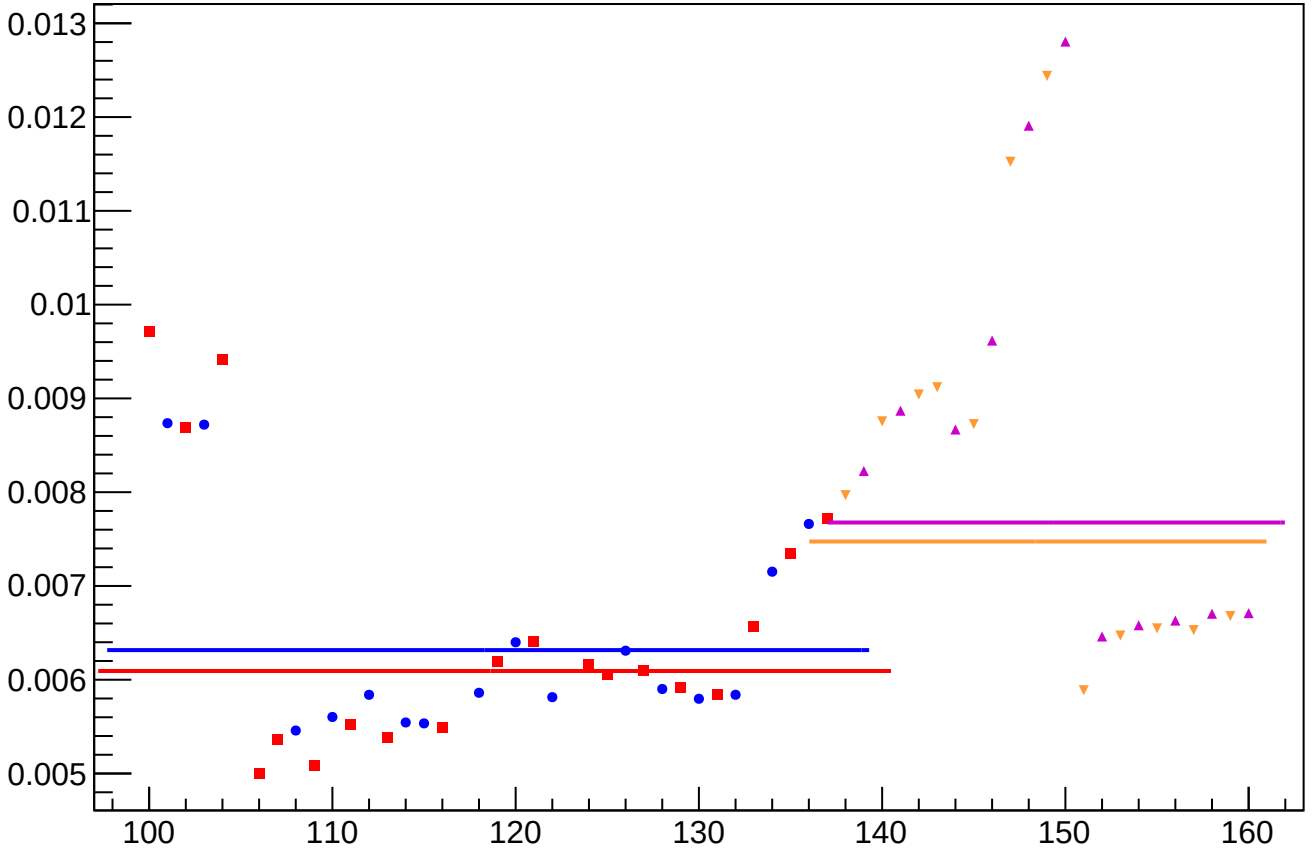
Left In: 0.349+/-0.000 χ^2/NDF:1384411097.6/10

+ sign 0.663+/-0.000 χ^2/NDF: 40415050361.5/27

All: 0.658+/-0.000 χ^2/NDF: 84901664536.3/5

- 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:873871.1/11

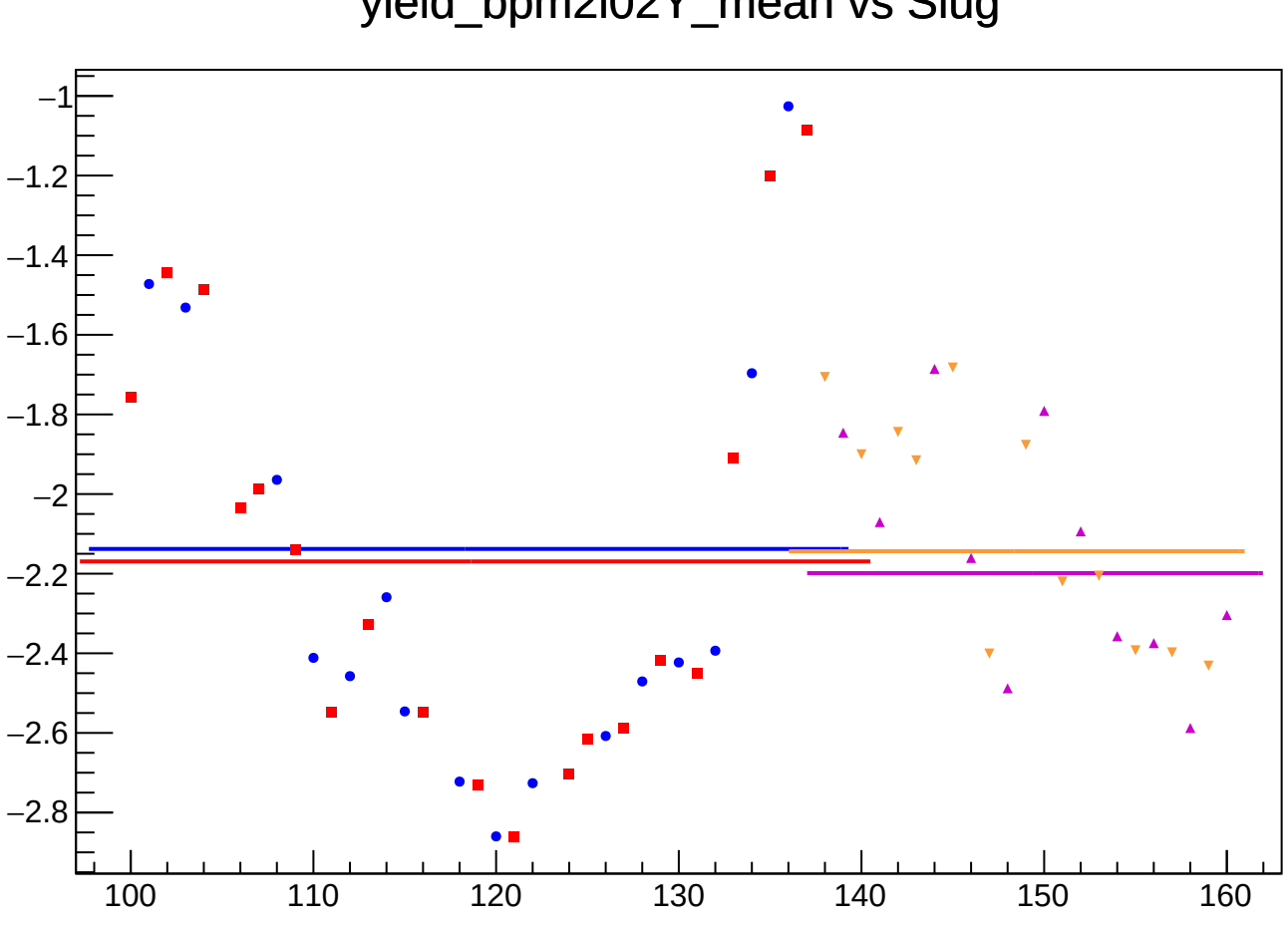
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.008+/-0.000 χ^2/NDF:852442.4/10

+ sign 0.007+/-0.000 χ^2/NDF: 1435276.9/27

All: 0.007+/-0.000 χ^2/NDF: 3157240.3/57

- sign 0.007+/-0.000 χ^2/NDF: 1719758.6/29



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.144+/-0.000 χ^2/NDF:14651469422.0/11

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

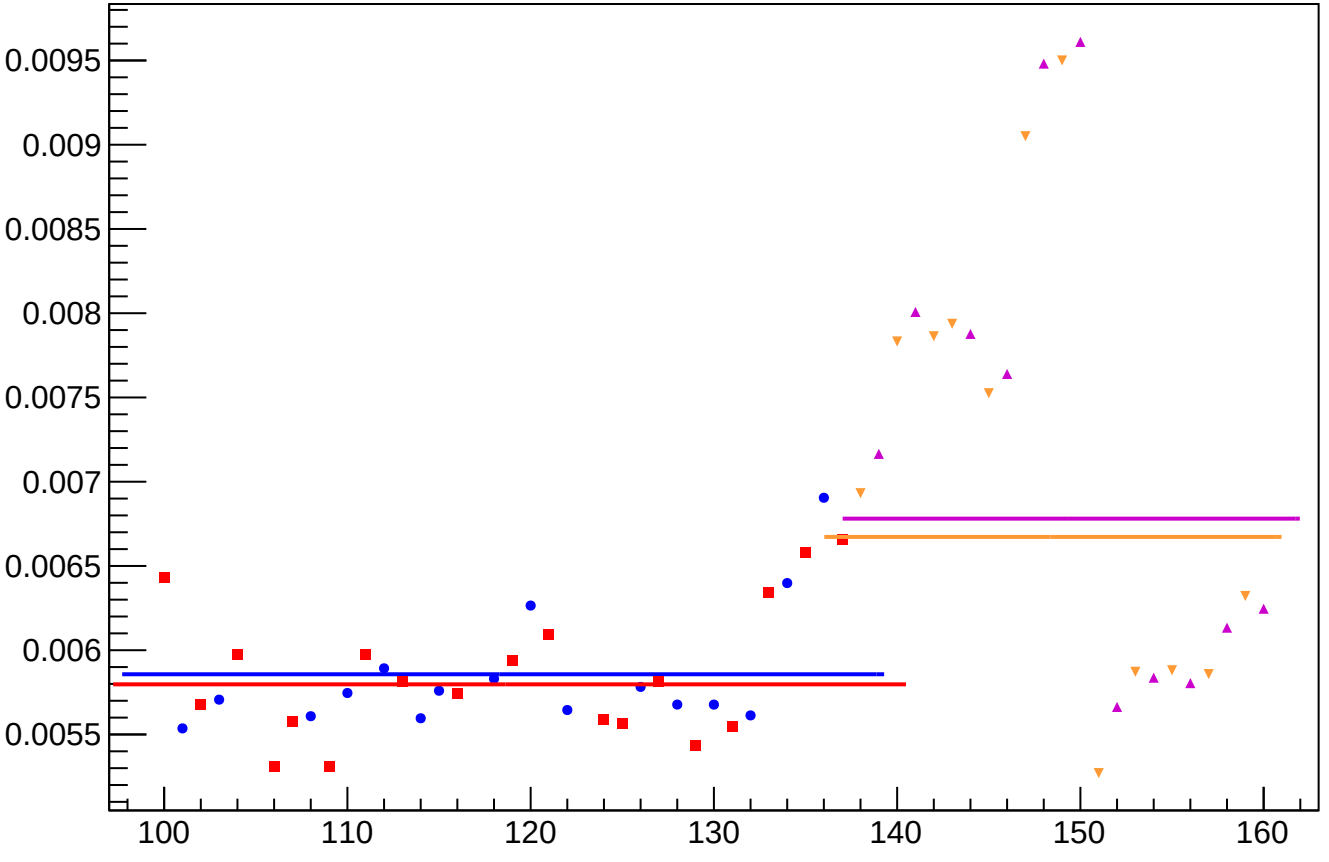
Left In: -2.199+/-0.000 χ^2/NDF:13965110700.8/10

+ sign -2.141+/-0.000 χ^2/NDF: 80321526818.0/27

All: -2.162+/-0.000 χ^2/NDF: 152163858960.9

- sign -2.183+/-0.000 χ^2/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:598587.6/11

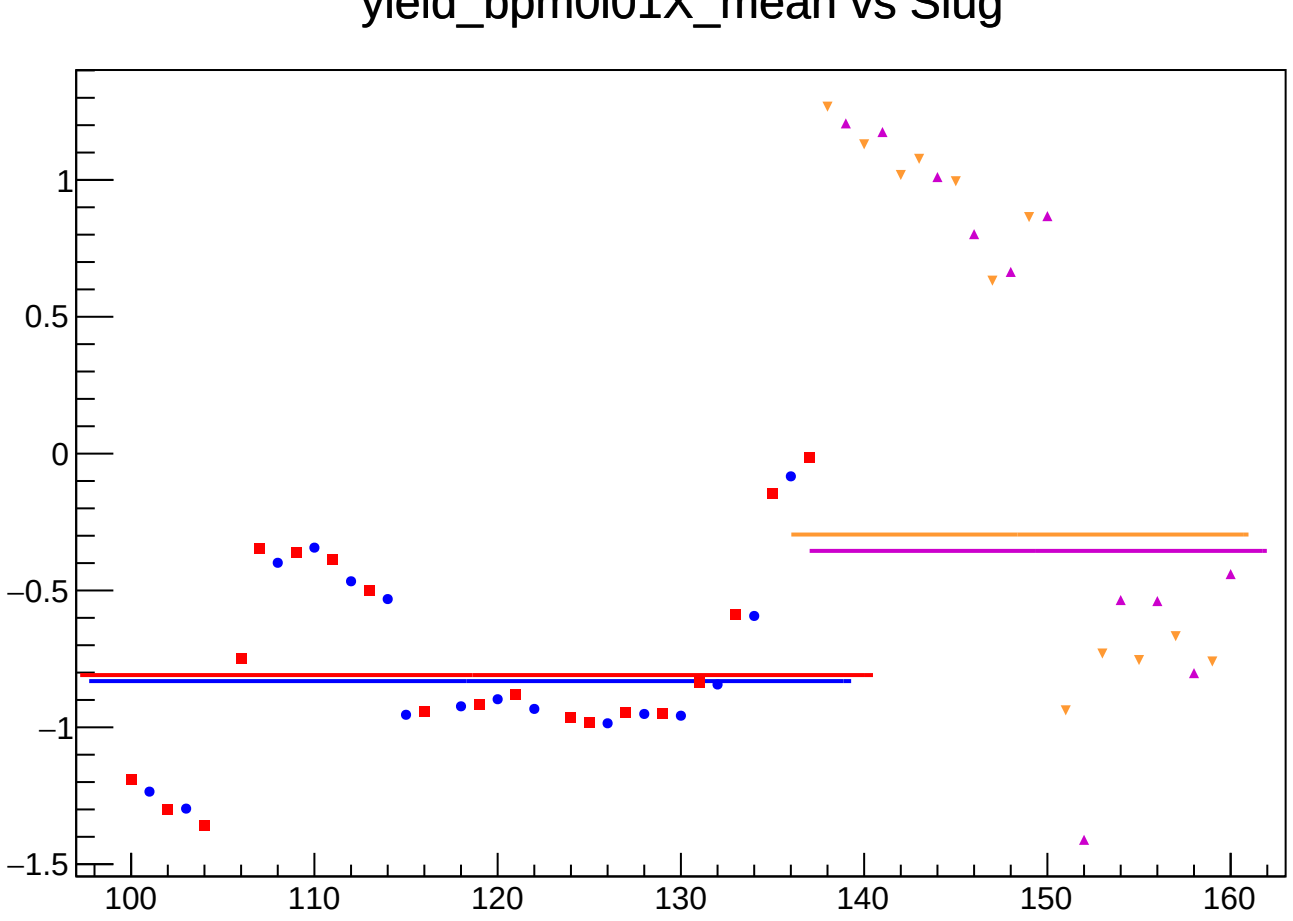
Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:584972.3/10

\+ sign 0.006+/-0.000 χ^2/NDF: 798807.9/27

All: 0.006+/-0.000 χ^2/NDF: 1643973.0/57

\- 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: -0.296+/-0.000 χ^2/NDF:76384613640.4/11

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

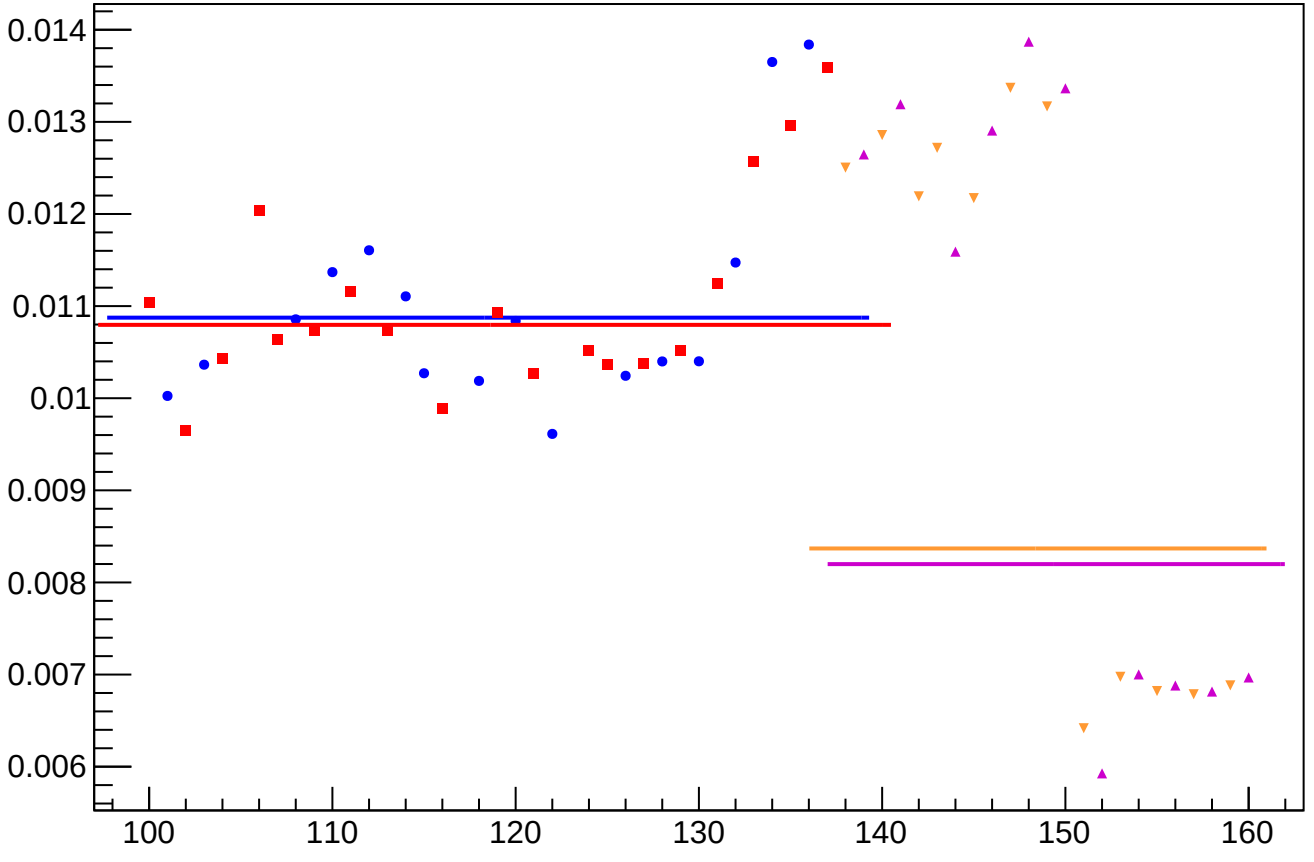
Left In: -0.355+/-0.000 χ^2/NDF:86947460231.4/10

+ sign -0.473+/-0.000 χ^2/NDF: 94914156234.9/27

All: -0.490+/-0.000 χ^2/NDF: 198644898763.

- 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:1693843.5/11

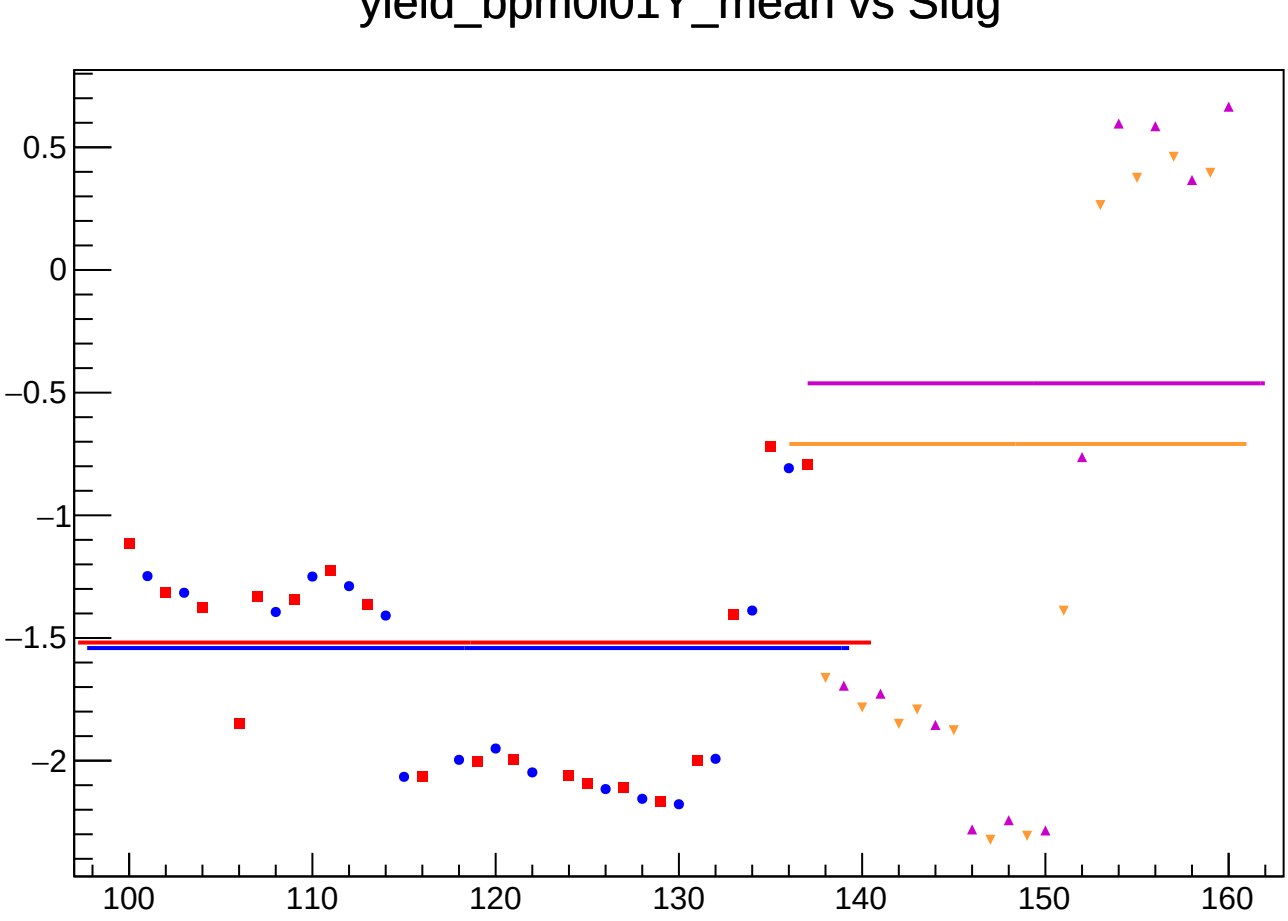
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1848277.8/10

+ sign 0.009+/-0.000 χ^2/NDF: 2351486.6/27

All: 0.009+/-0.000 χ^2/NDF: 4861886.8/57

- 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: -0.709+/-0.000 χ^2/NDF:1253829066878.0/11

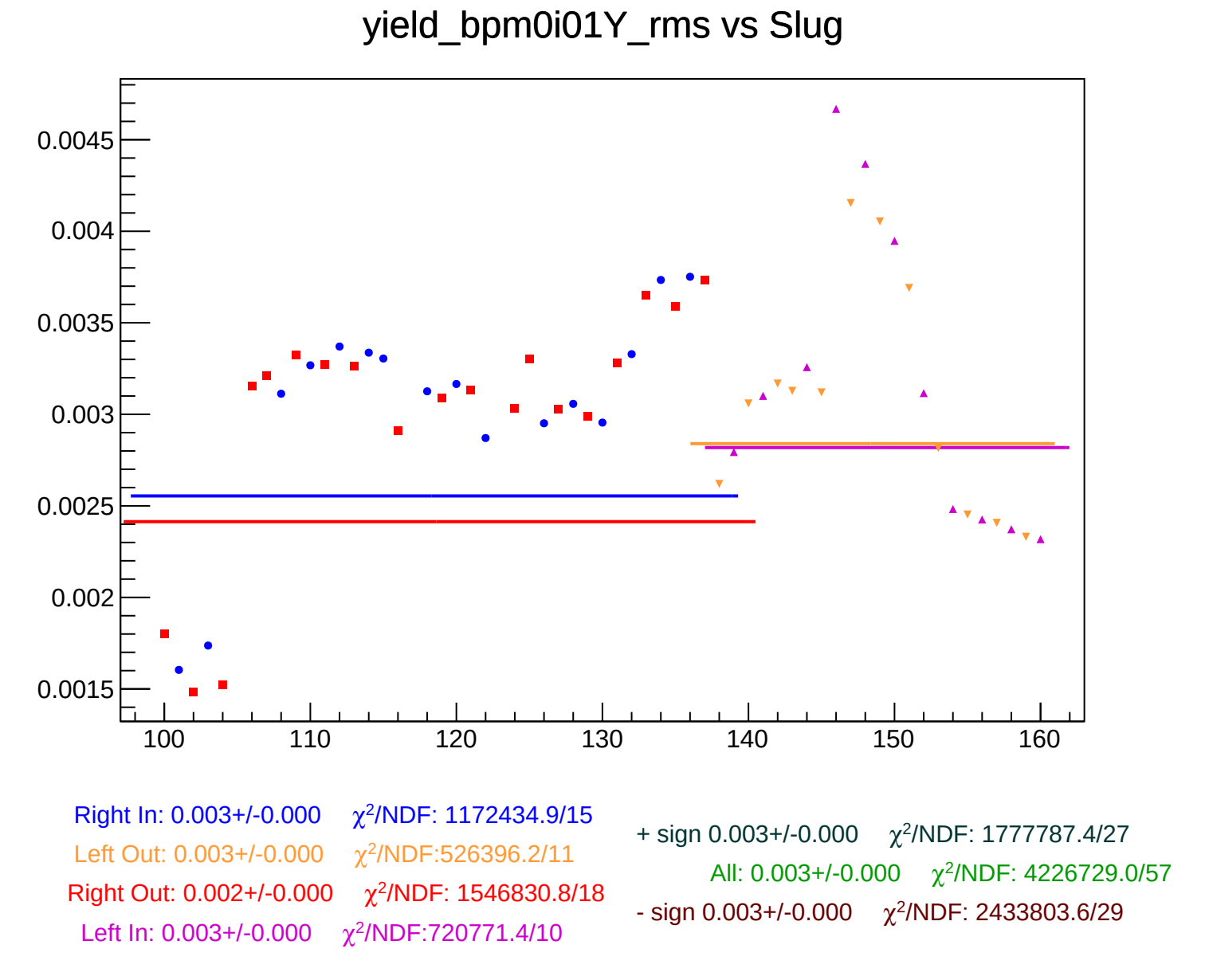
Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

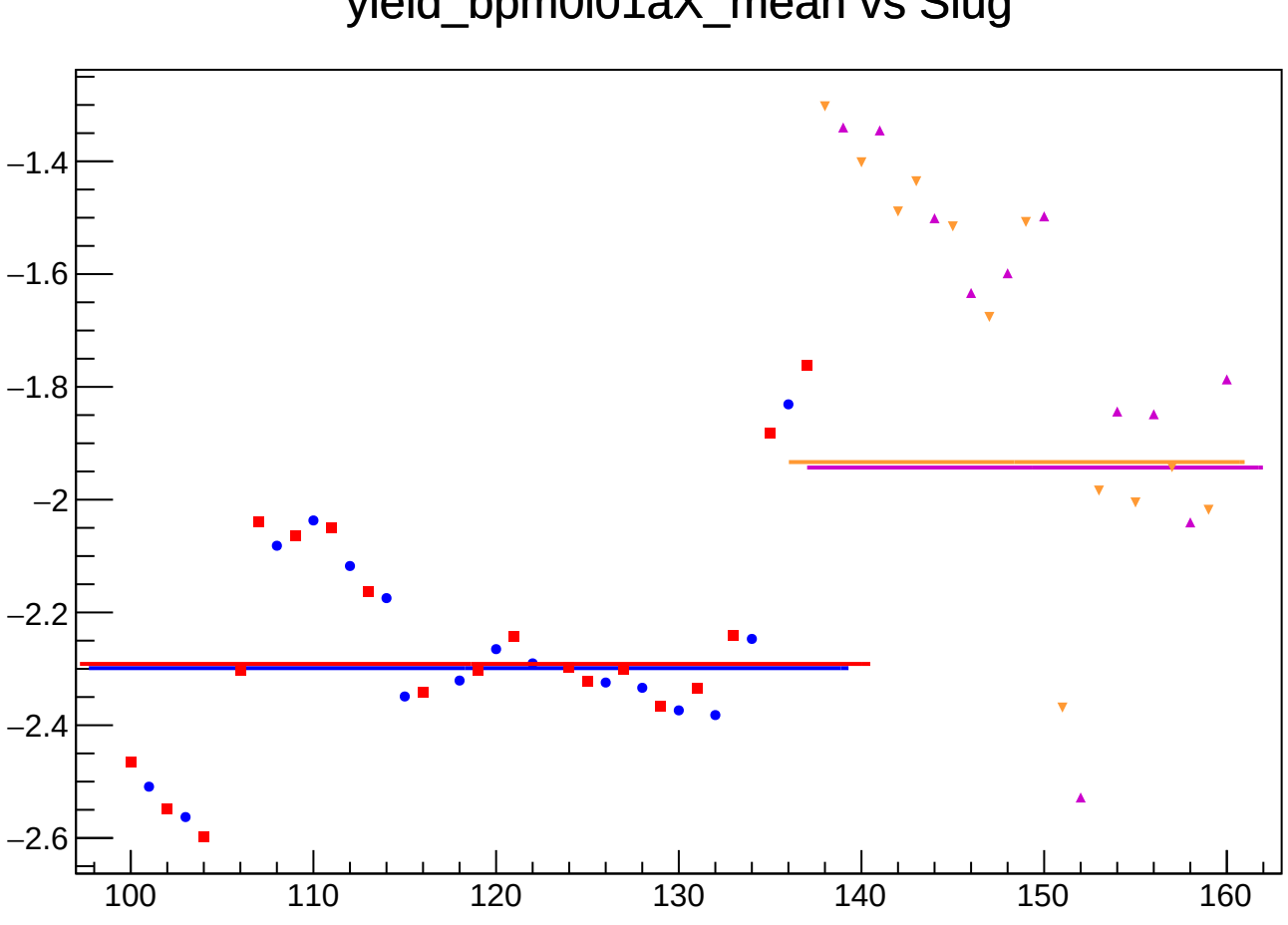
Left In: -0.462+/-0.000 χ^2/NDF:1378815359441.1/10

+ sign -1.108+/-0.000 χ^2/NDF: 1750880169083.0/2

All: -1.048+/-0.000 χ^2/NDF: 3854403226217

- sign -0.992+/-0.000 χ^2/NDF: 2090131988587.6/29


yield_bpm0i01Y_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 1172434.9/15
Left Out: 0.003+/-0.000 χ²/NDF:526396.2/11
Right Out: 0.002+/-0.000 χ²/NDF: 1546830.8/18
Left In: 0.003+/-0.000 χ²/NDF:720771.4/10
+ sign 0.003+/-0.000 χ²/NDF: 1777787.4/27
All: 0.003+/-0.000 χ²/NDF: 4226729.0/57
- sign 0.003+/-0.000 χ²/NDF: 2433803.6/29



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.933+/-0.000 χ^2/NDF:24883361978.7/11

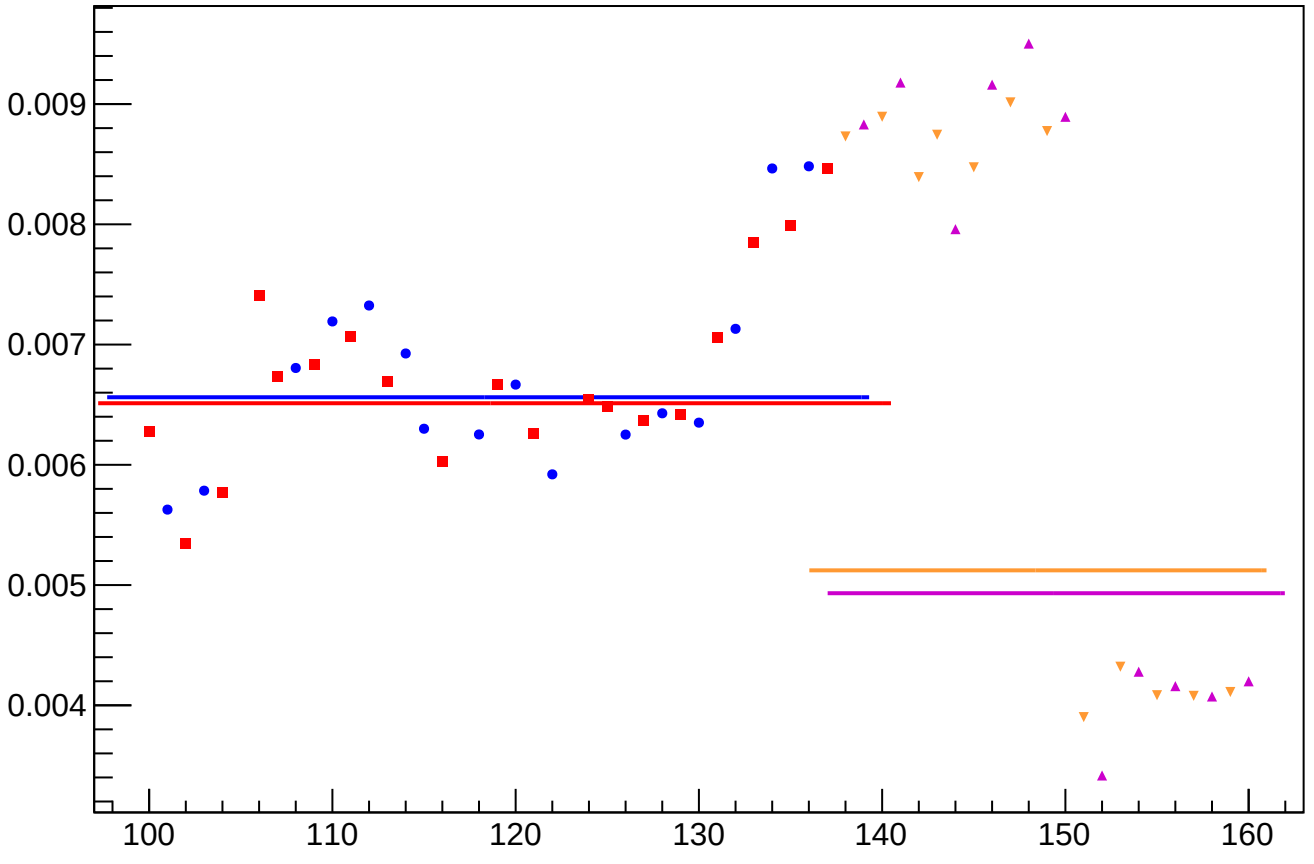
Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.943+/-0.000 χ^2/NDF:40734010346.8/10

+ sign -2.060+/-0.000 χ^2/NDF: 45057823426.8/27

All: -2.061+/-0.000 χ^2/NDF: 106019397261.5

- sign -2.062+/-0.000 χ^2/NDF: 60960722888.9/29



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:2269359.2/11

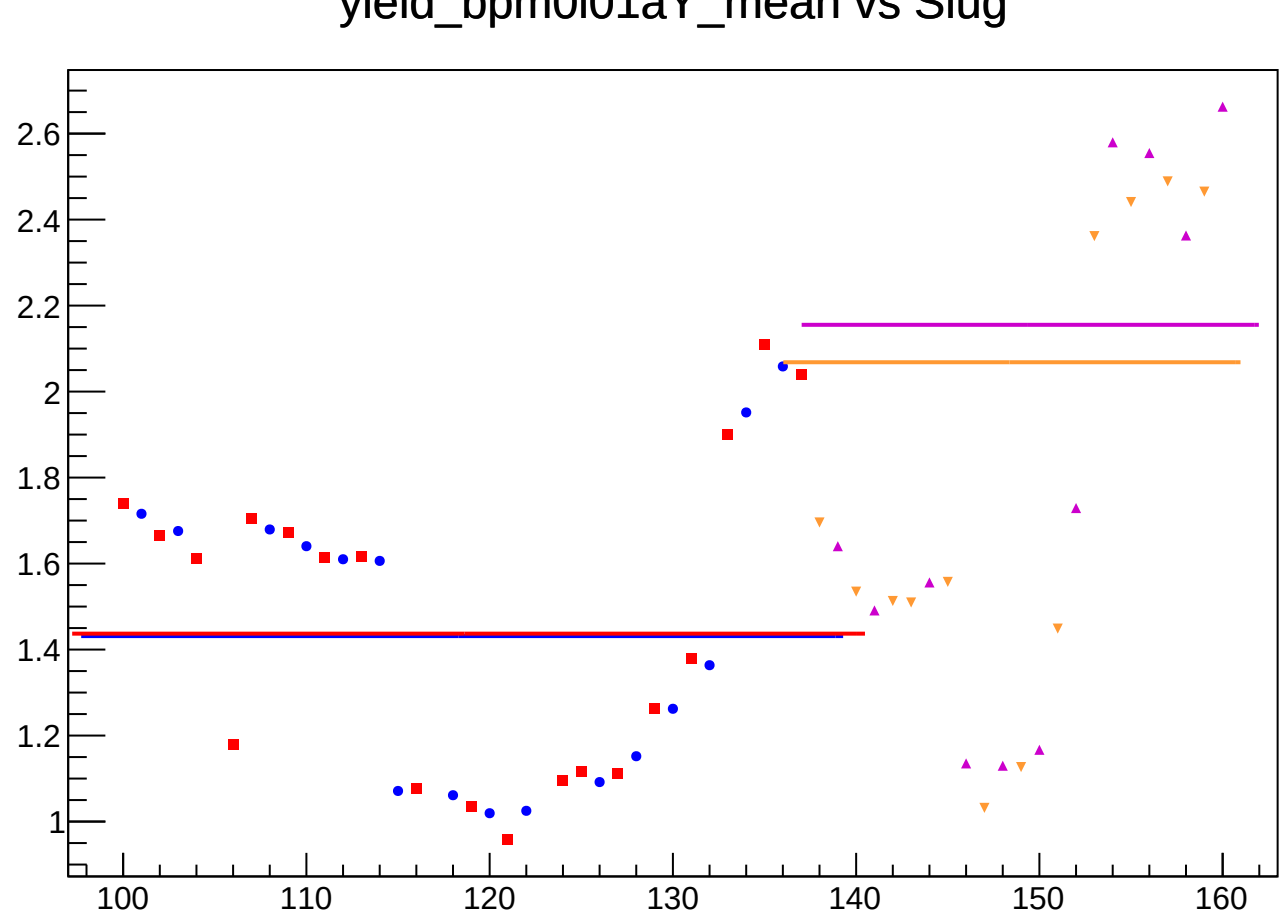
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.005+/-0.000 χ^2/NDF:2533818.9/10

+ sign 0.006+/-0.000 χ^2/NDF: 2927081.9/27

All: 0.006+/-0.000 χ^2/NDF: 6208093.3/57

- sign 0.005+/-0.000 χ^2/NDF: 3270212.2/29



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.068+/-0.000 χ^2/NDF:131235582680.7/11

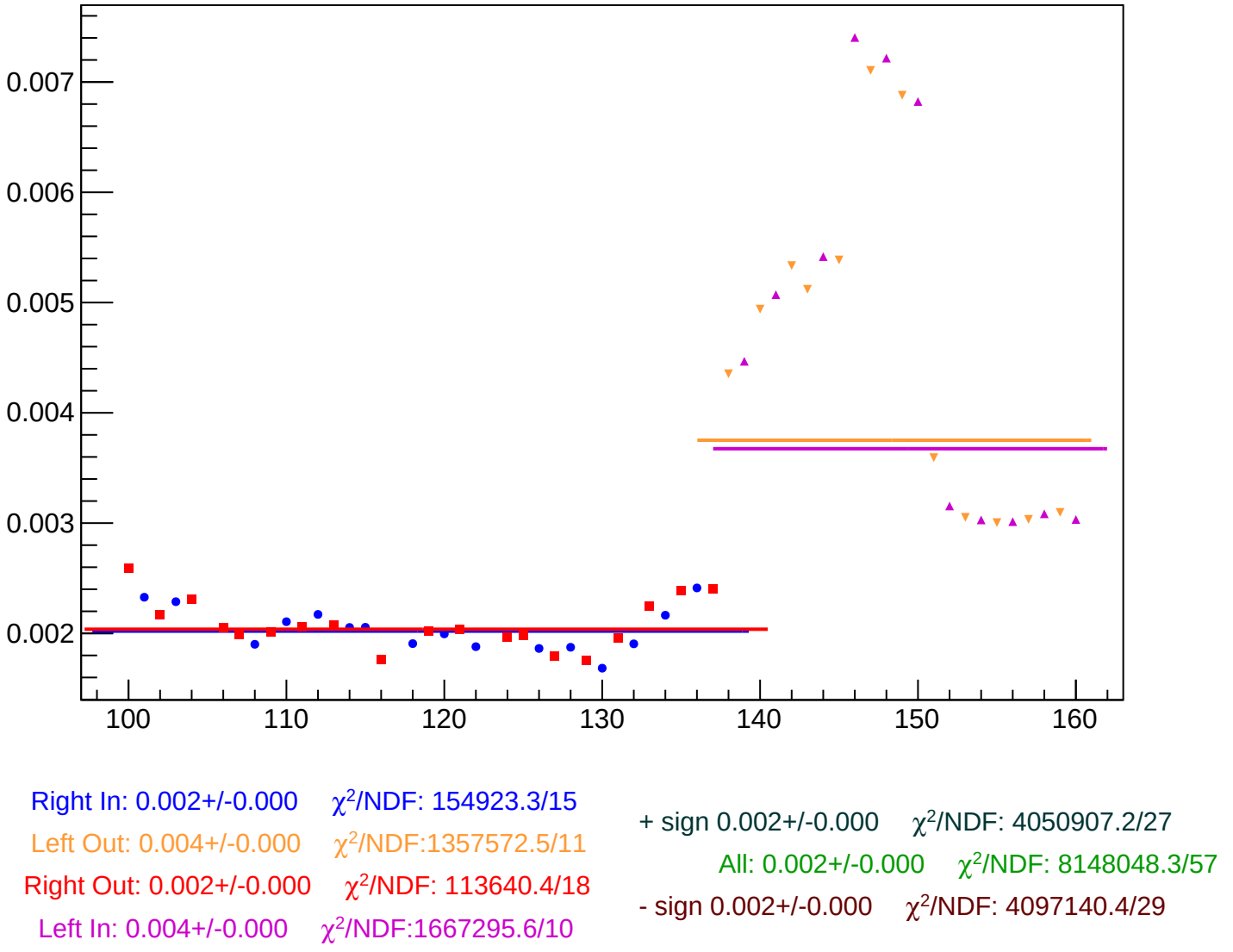
Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

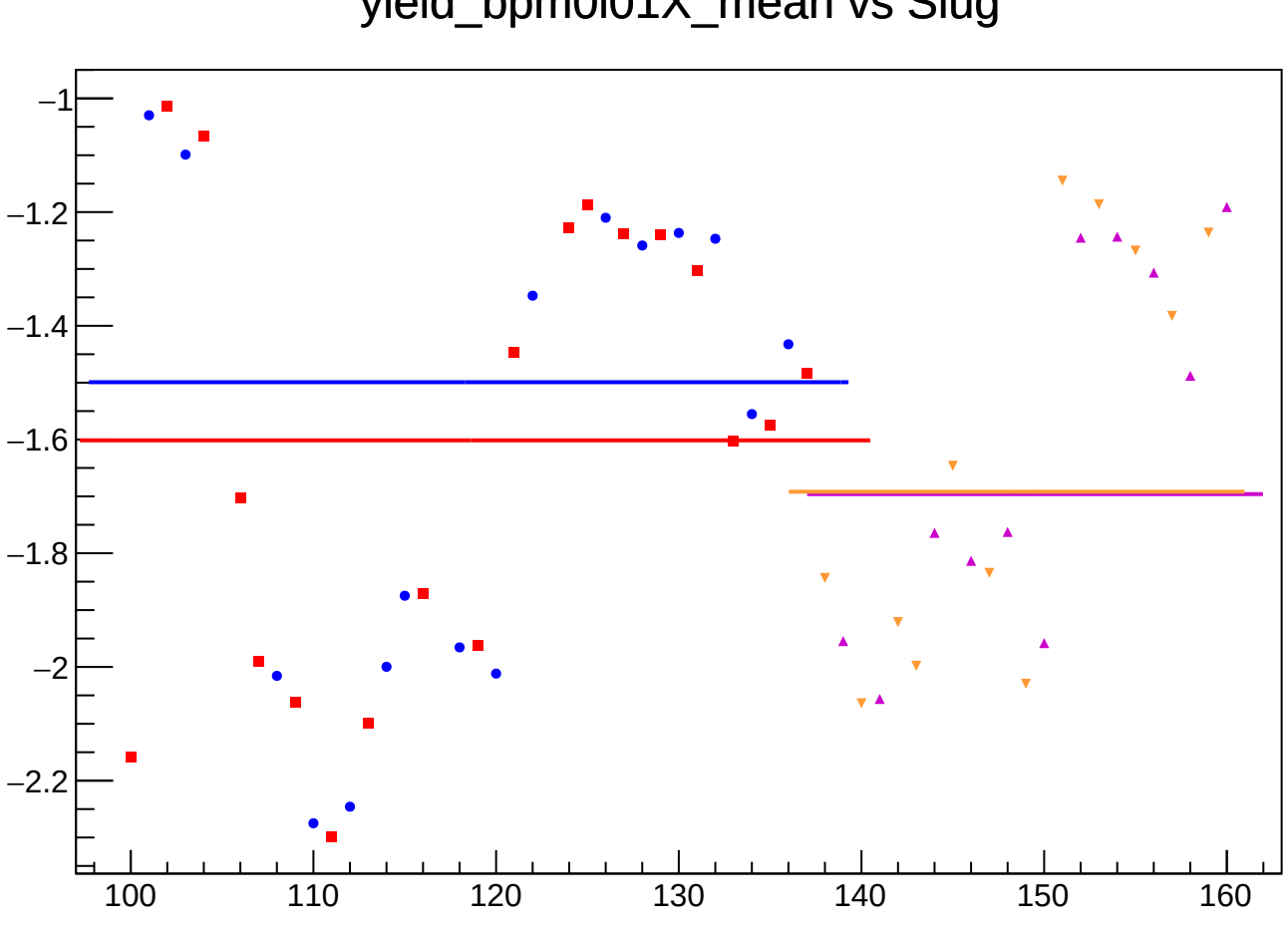
Left In: 2.155+/-0.000 χ^2/NDF:150653309231.2/10

+ sign 1.597+/-0.000 χ^2/NDF: 492271703404.7/27

All: 1.612+/-0.000 χ^2/NDF: 1048850264495.

- sign 1.627+/-0.000 χ^2/NDF: 555588140594.4/29


yield_bpm0i01aY_rms vs Slug
0.007
0.006
0.005
0.004
0.003
0.002
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 154923.3/15
Left Out: 0.004+/-0.000 χ²/NDF:1357572.5/11
Right Out: 0.002+/-0.000 χ²/NDF: 113640.4/18
Left In: 0.004+/-0.000 χ²/NDF:1667295.6/10
+ sign 0.002+/-0.000 χ²/NDF: 4050907.2/27
All: 0.002+/-0.000 χ²/NDF: 8148048.3/57
- sign 0.002+/-0.000 χ²/NDF: 4097140.4/29



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.692+/-0.000 χ^2/NDF:25101251872.6/11

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

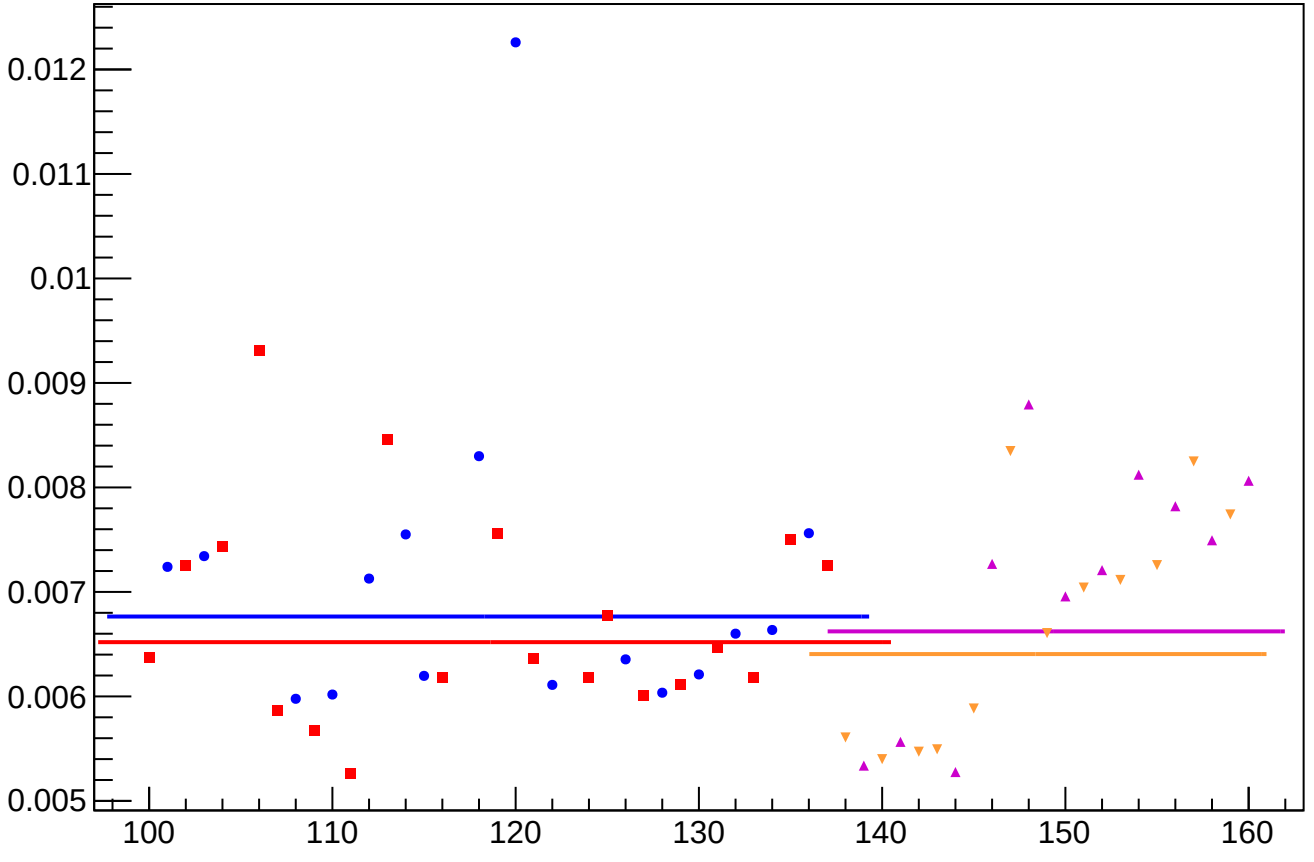
Left In: -1.696+/-0.000 χ^2/NDF:18326867043.2/10

+ sign -1.615+/-0.000 χ^2/NDF: 51193794016.1/27

All: -1.634+/-0.000 χ^2/NDF: 98900494582.6/

- sign -1.653+/-0.000 χ^2/NDF: 47445581309.4/29

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:422307.0/11

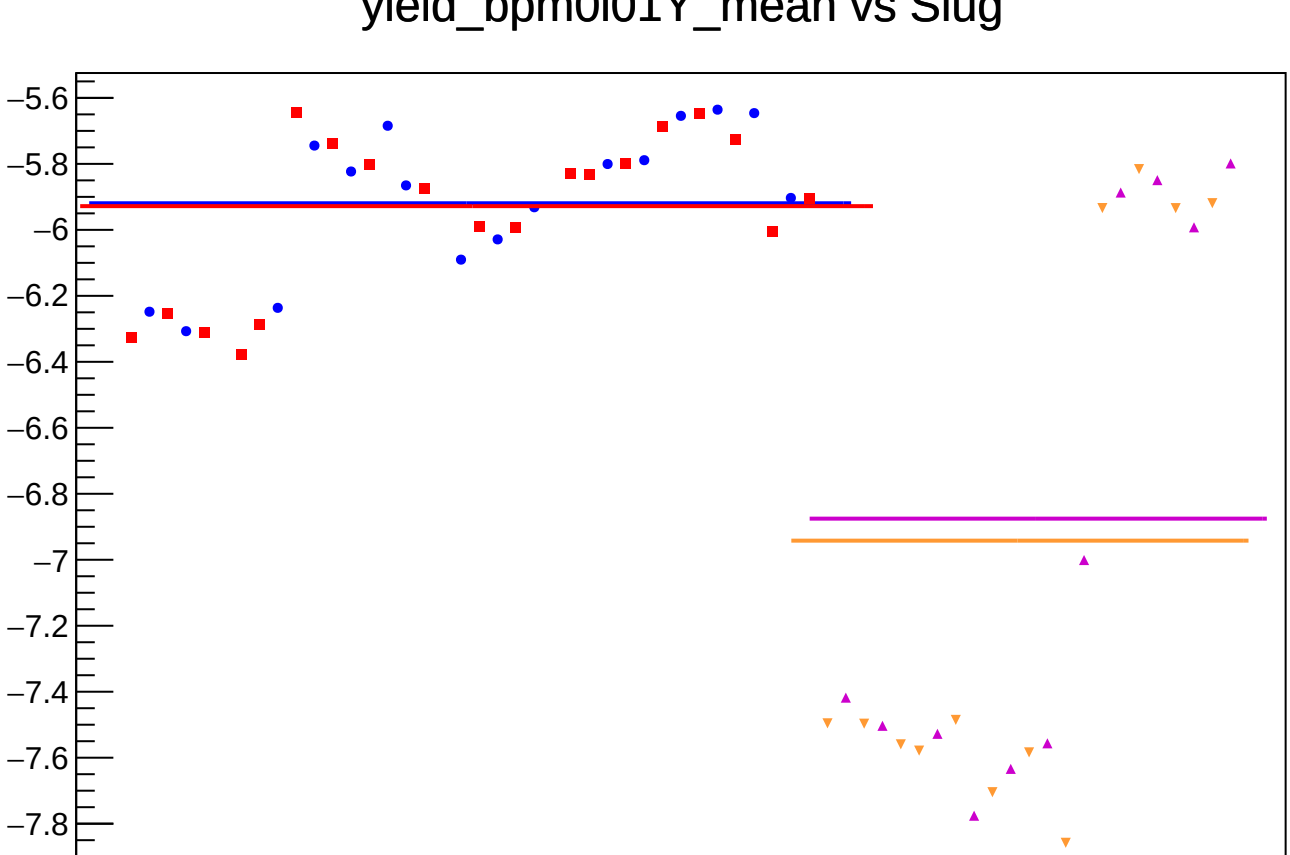
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:549960.9/10

+ sign 0.007+/-0.000 χ^2/NDF: 682872.9/27

All: 0.007+/-0.000 χ^2/NDF: 1480408.5/57

- sign 0.007+/-0.000 χ^2/NDF: 797274.0/29



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.942+/-0.000 χ^2/NDF:56305546243.1/11

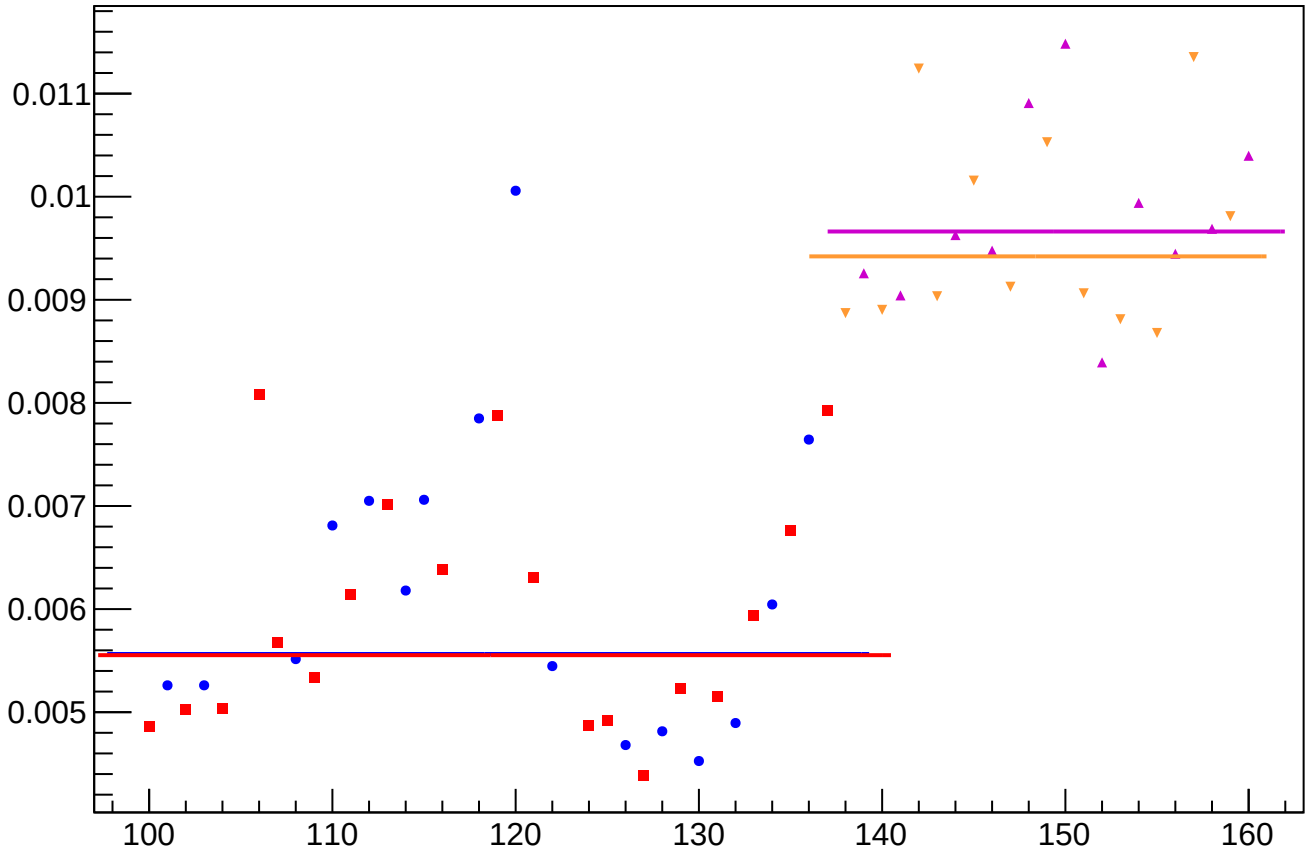
Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.875+/-0.000 χ^2/NDF:47471545549.6/10

+ sign -6.213+/-0.000 χ^2/NDF: 127482817261.0/27

All: -6.197+/-0.000 χ^2/NDF: 238433599102.4

- 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:106424.4/11

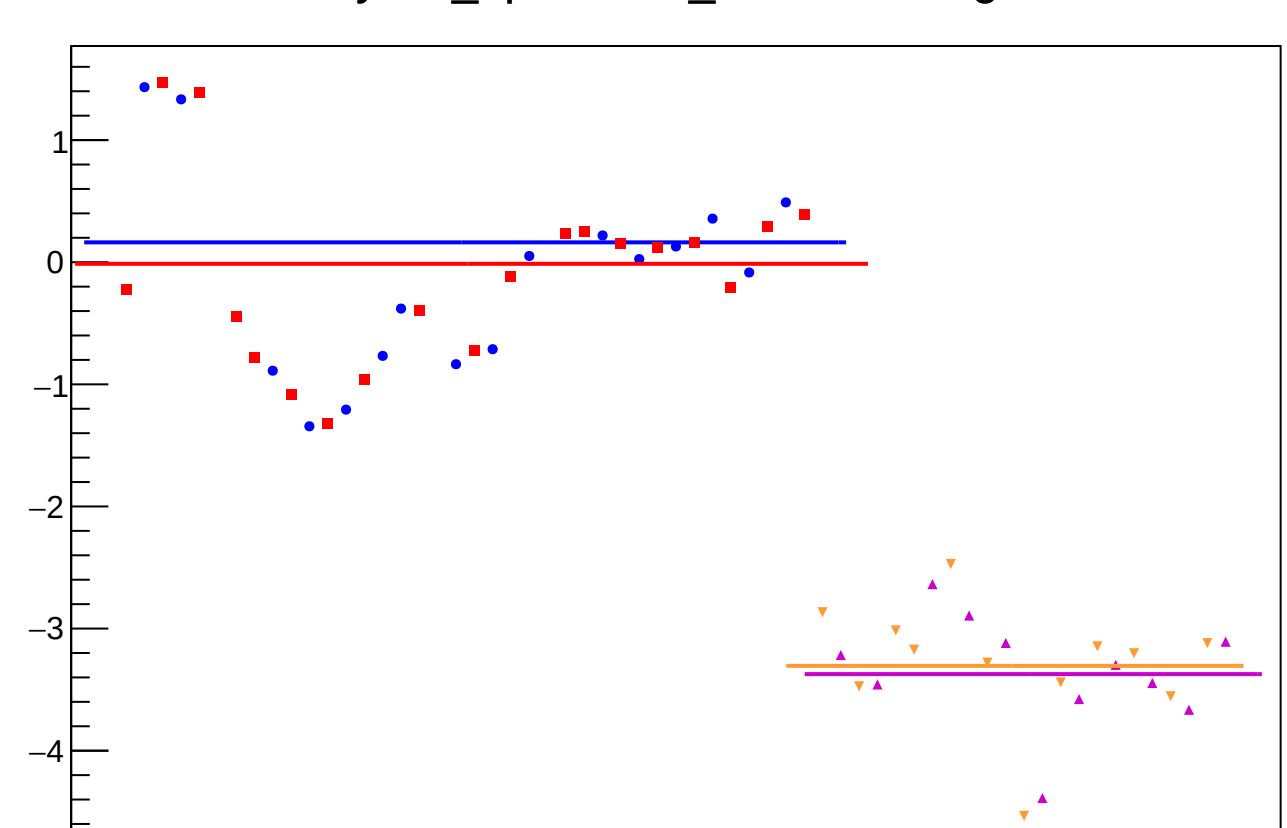
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:99383.7/10

+ sign 0.007+/-0.000 χ^2/NDF: 2292656.9/27

All: 0.007+/-0.000 χ^2/NDF: 4665161.2/57

- 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: -3.305+/-0.000 χ^2/NDF:6610888094.3/11

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

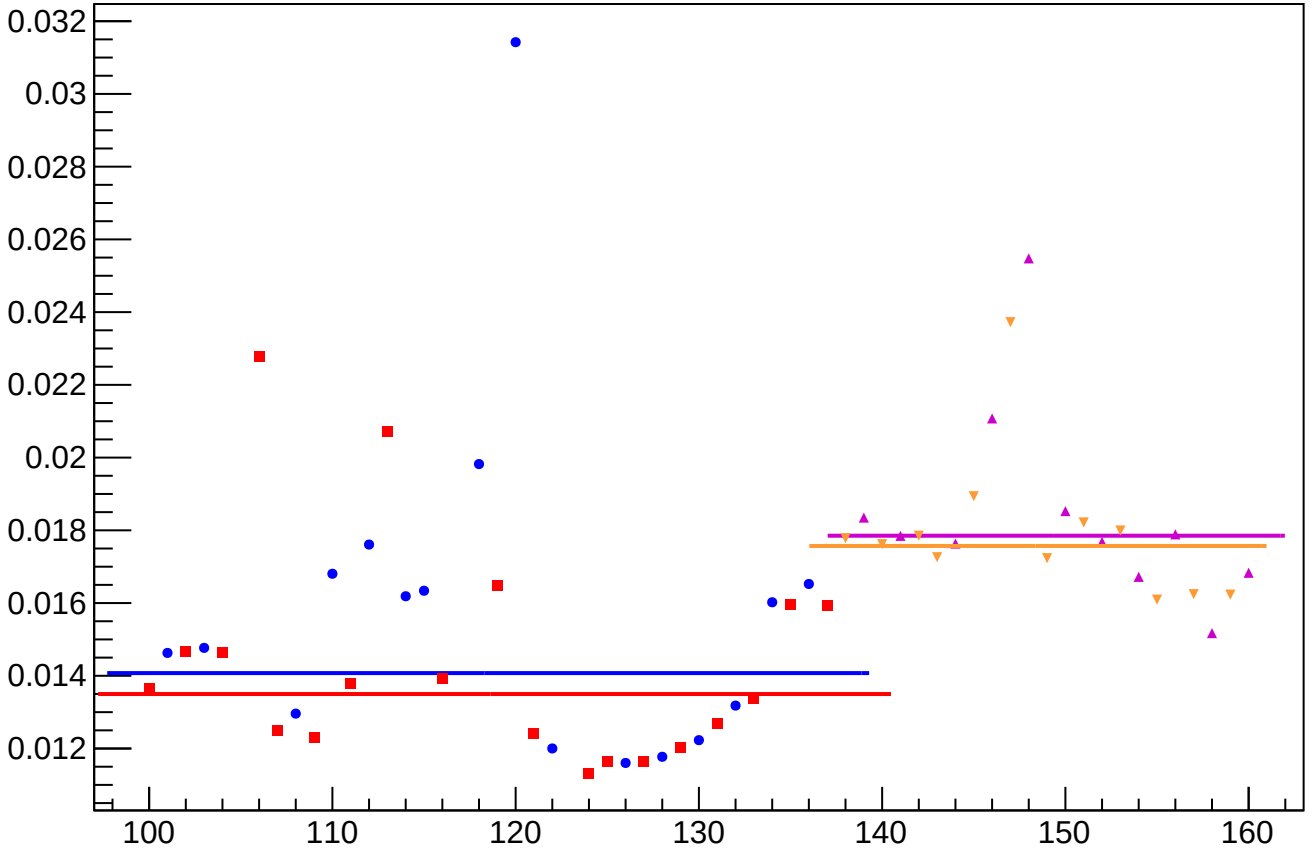
Left In: -3.373+/-0.000 χ^2/NDF:5229796555.8/10

+ sign -1.491+/-0.000 χ^2/NDF: 207094299414.4/27

All: -1.472+/-0.000 χ^2/NDF: 414981149414.5

- 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:148656.2/11

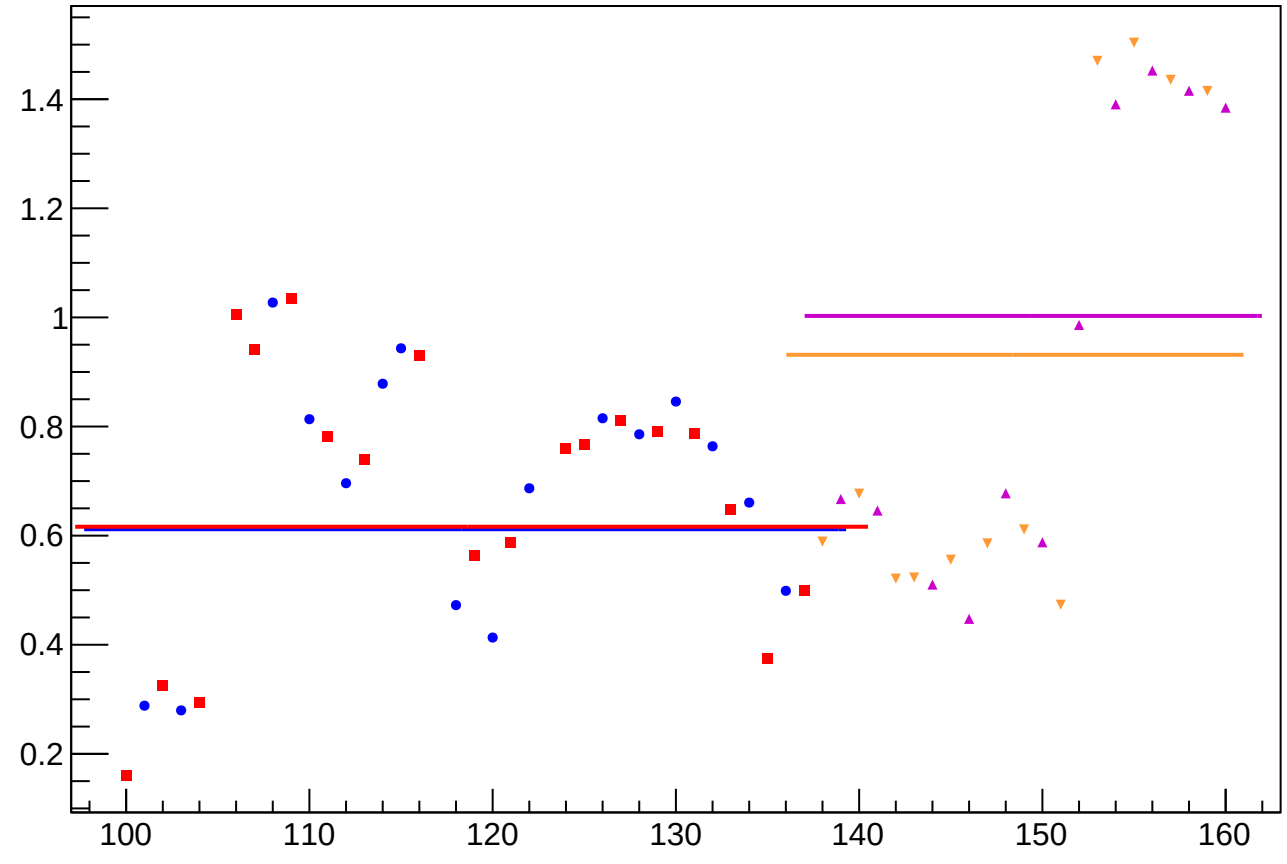
Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:243006.4/10

+ sign 0.016+/-0.000 χ^2/NDF: 985092.1/27

All: 0.016+/-0.000 χ^2/NDF: 2156594.7/57

- sign 0.015+/-0.000 χ^2/NDF: 1162695.0/29



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.931+/-0.000 χ^2/NDF:22840309528.2/11

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

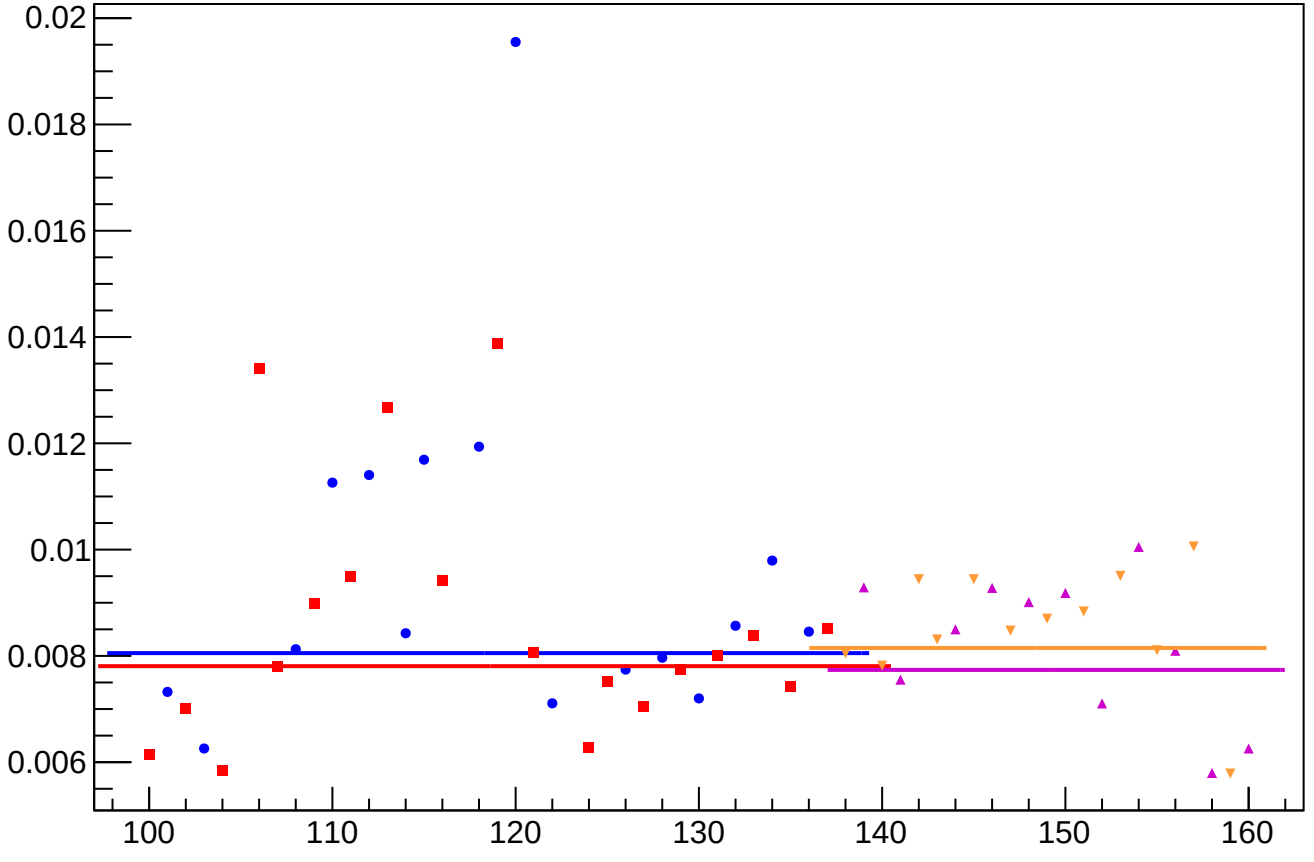
Left In: 1.003+/-0.000 χ^2/NDF:20748615888.3/10

+ sign 0.792+/-0.000 χ^2/NDF: 33926789272.9/27

All: 0.814+/-0.000 χ^2/NDF: 70172144066.3/5

- 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:399146.2/11

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

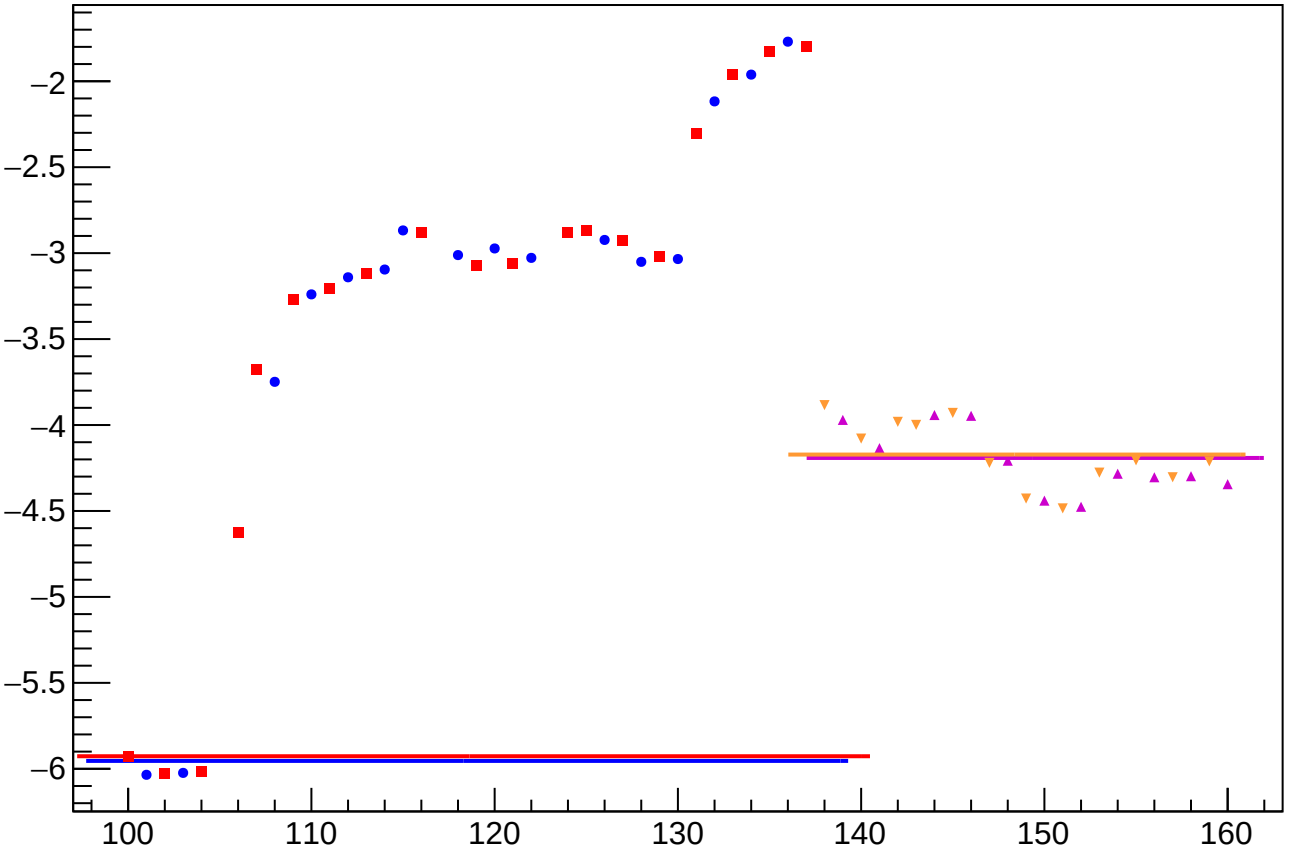
Left In: 0.008+/-0.000 χ^2/NDF:524962.9/10

+ sign 0.008+/-0.000 χ^2/NDF: 998465.0/27

All: 0.008+/-0.000 χ^2/NDF: 2137630.8/57

- sign 0.008+/-0.000 χ^2/NDF: 1112709.9/29

yield_bpm0l03X_mean vs Slug



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.172+/-0.000 χ^2/NDF:51216097.3/11

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

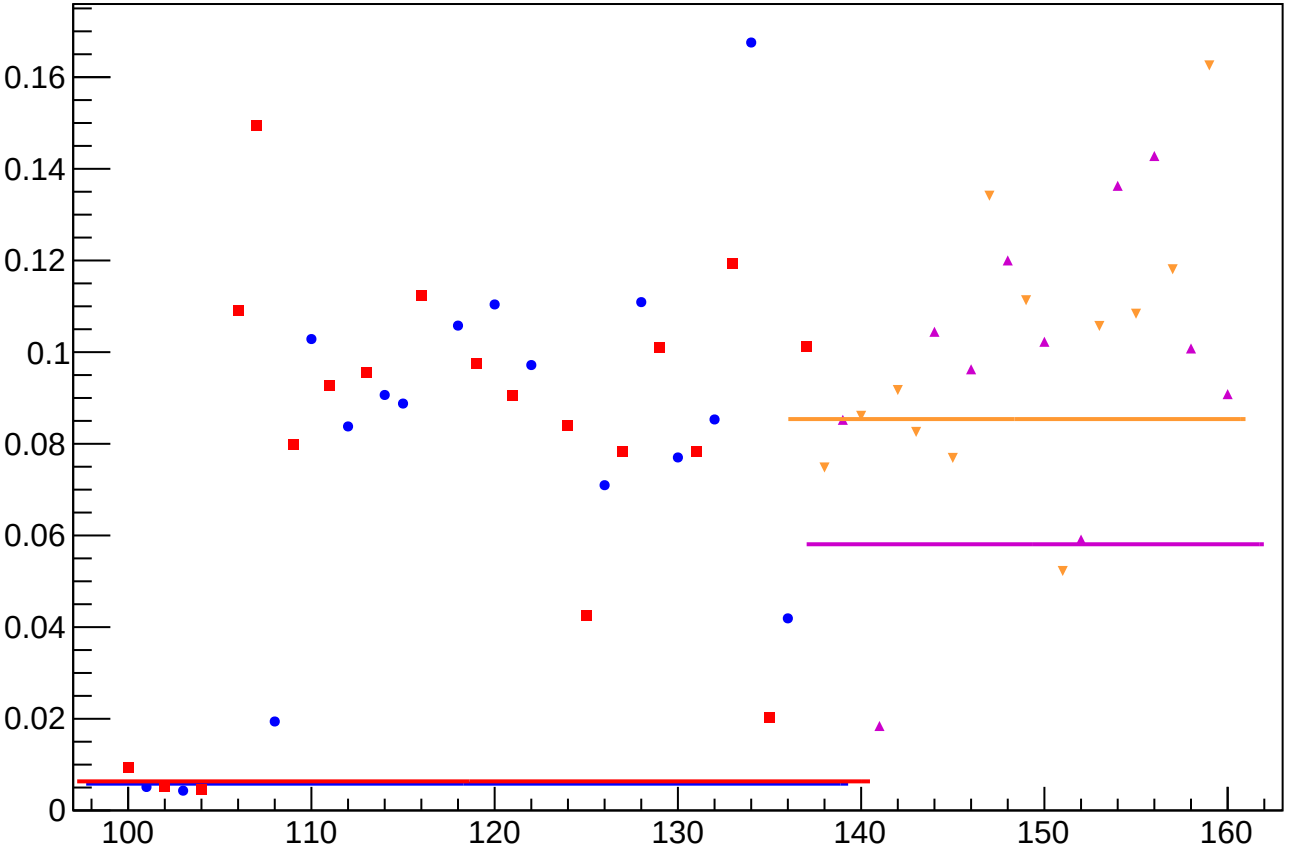
Left In: -4.192+/-0.000 χ^2/NDF:39232400.0/10

+ sign -5.919+/-0.000 χ^2/NDF: 16360169213.9/27

All: -5.896+/-0.000 χ^2/NDF: 34626467494.8/

- sign -5.869+/-0.000 χ^2/NDF: 18206481720.0/29

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.085+/-0.000 χ^2/NDF:1335178.1/11

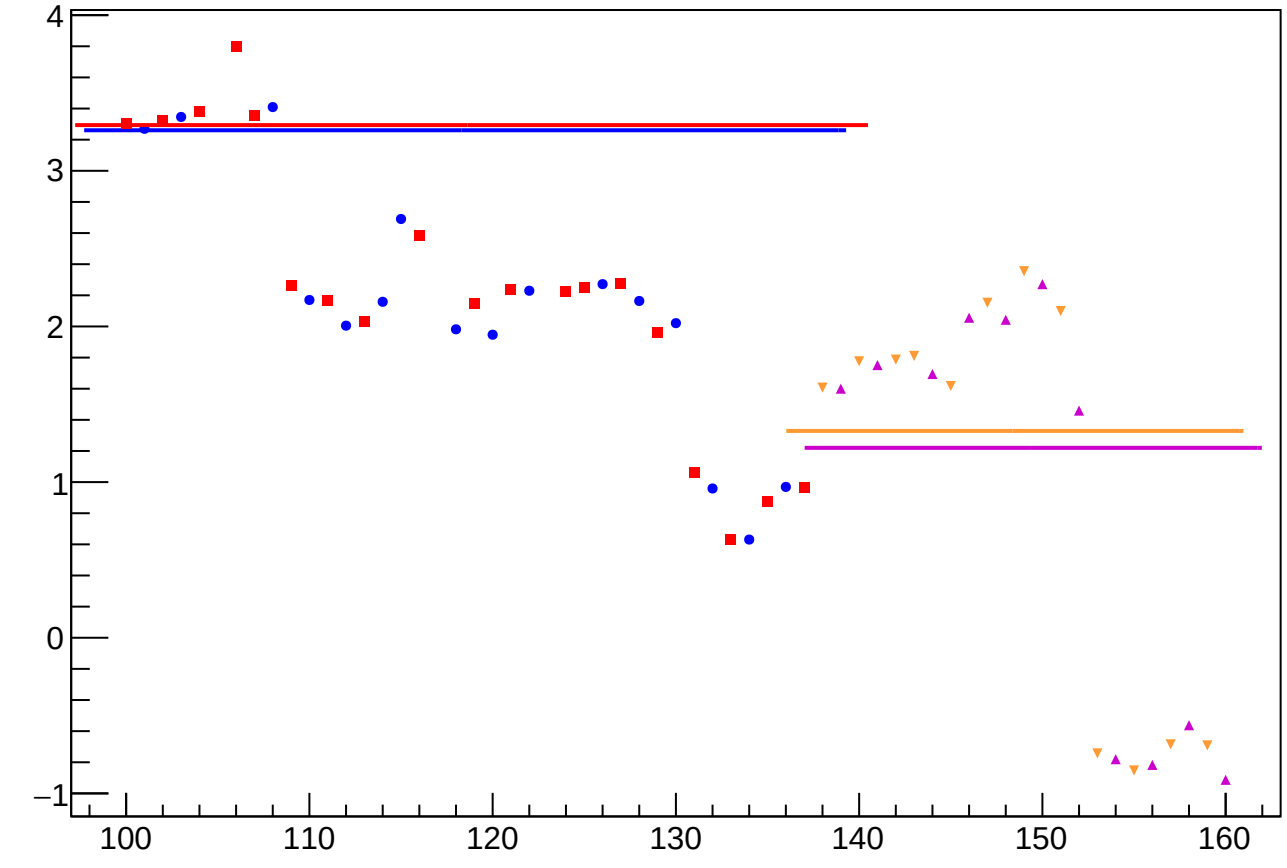
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.058+/-0.000 χ^2/NDF:4899961.6/10

+ sign 0.007+/-0.000 χ^2/NDF: 22824820.1/27

All: 0.008+/-0.000 χ^2/NDF: 44042508.9/57

- sign 0.008+/-0.000 χ^2/NDF: 21196559.7/29



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.329+/-0.000 χ^2/NDF:1078371602.8/11

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

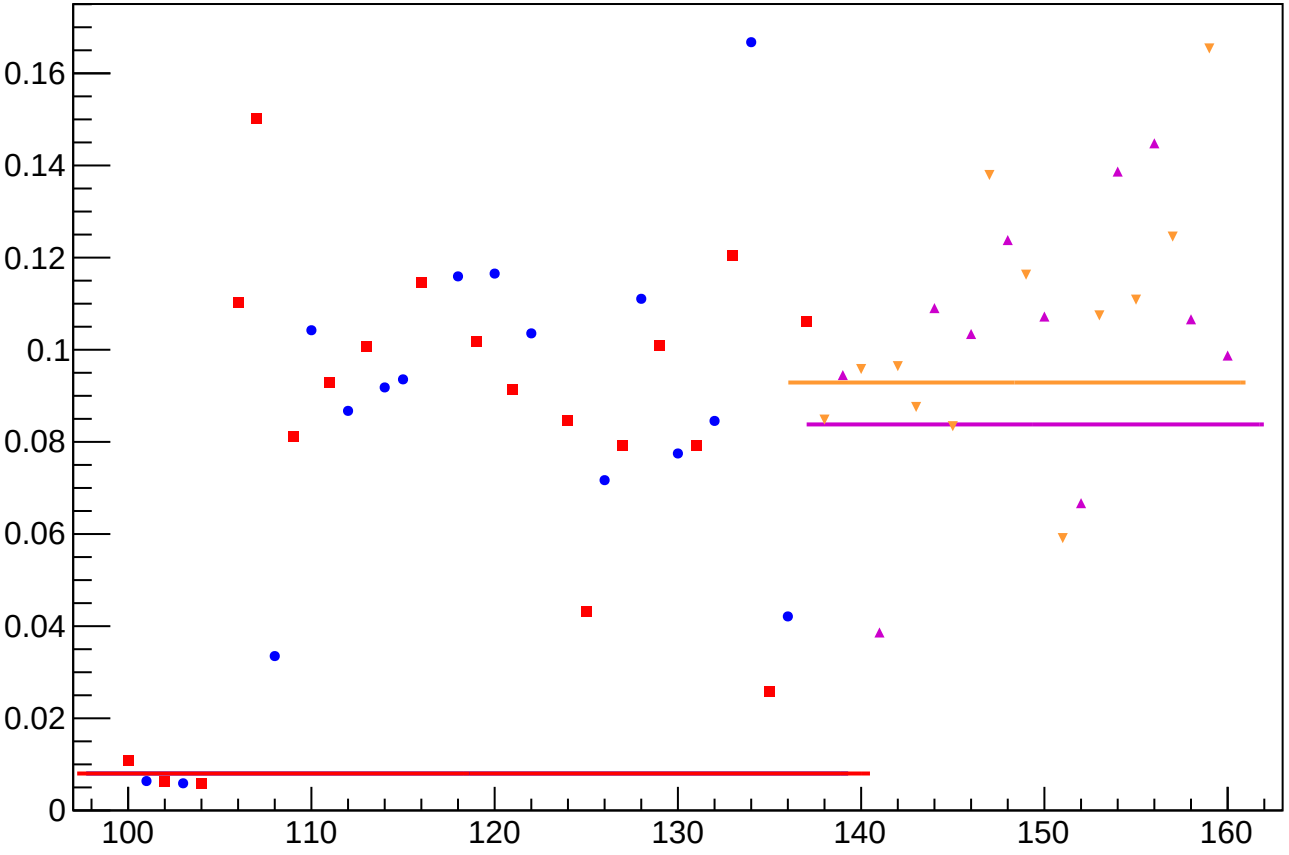
Left In: 1.220+/-0.000 χ^2/NDF:1058748805.6/10

+ sign 3.206+/-0.000 χ^2/NDF: 7335521034.1/27

All: 3.217+/-0.000 χ^2/NDF: 15553654526.4/5

- sign 3.229+/-0.000 χ^2/NDF: 8209970522.5/29

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.093+/-0.000 χ^2/NDF:1078623.2/11

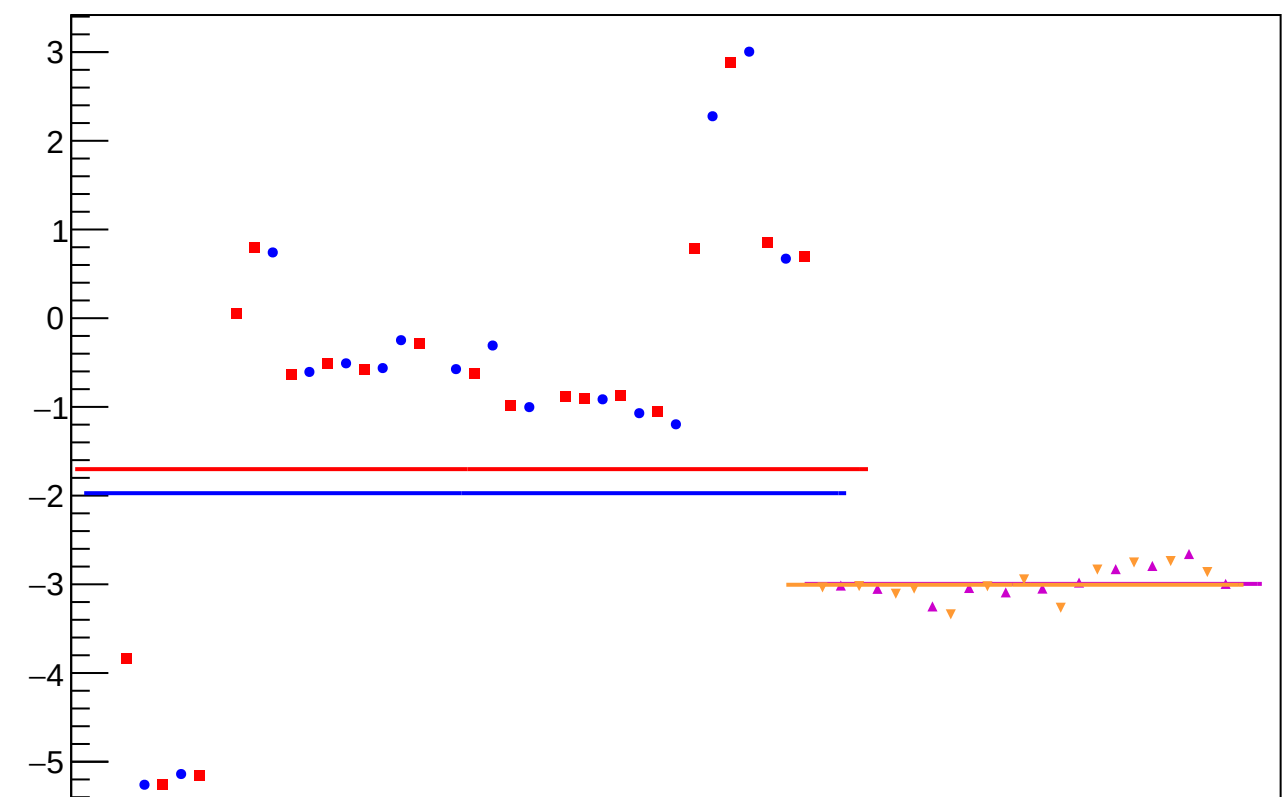
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.084+/-0.000 χ^2/NDF:2076099.9/10

+ sign 0.010+/-0.000 χ^2/NDF: 22031788.3/27

All: 0.010+/-0.000 χ^2/NDF: 43086004.0/57

- 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: -3.005+/-0.000 χ^2/NDF:4189302087.8/11

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

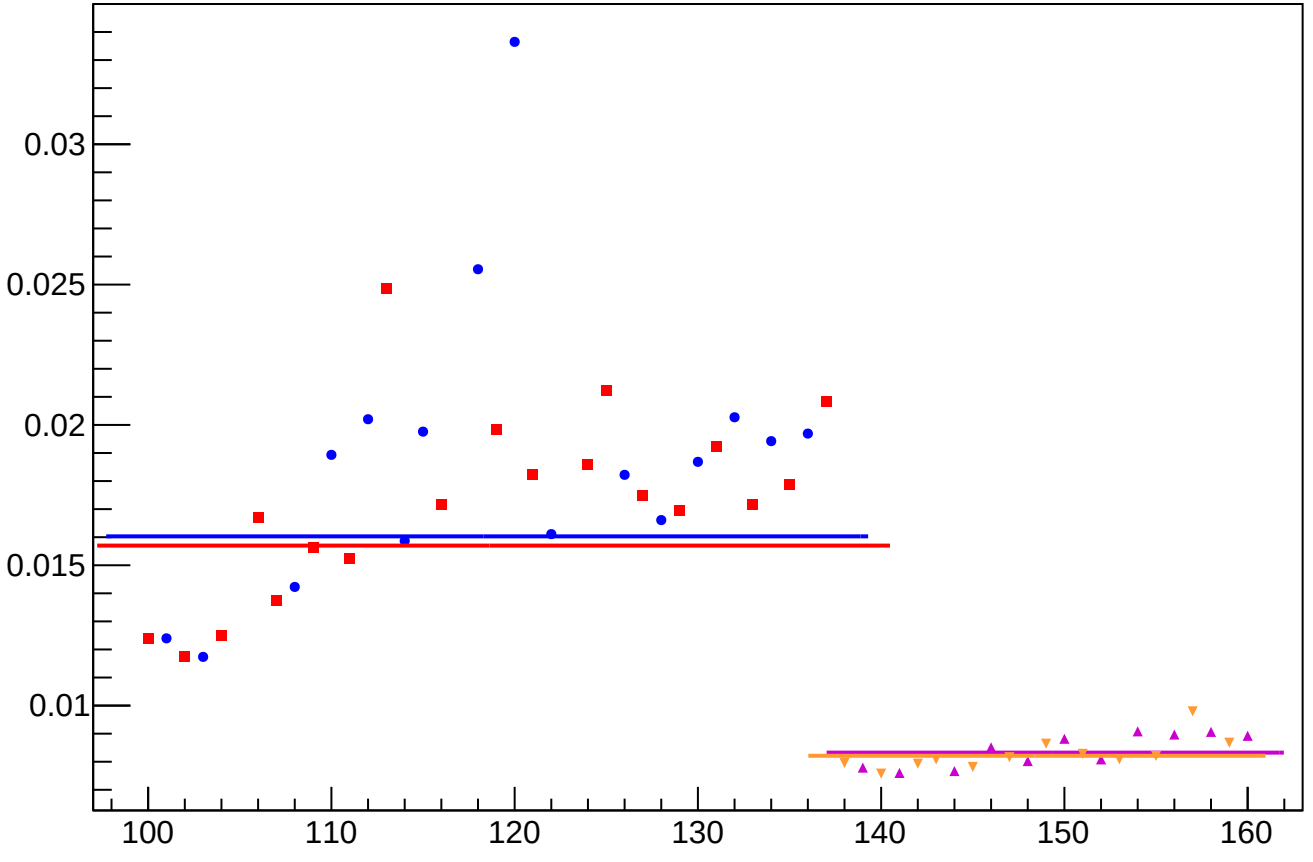
Left In: -2.995+/-0.000 χ^2/NDF:2976975394.0/10

+ sign -2.855+/-0.000 χ^2/NDF: 186801824006.1/27

All: -2.818+/-0.000 χ^2/NDF: 394422837761.6

- 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:67221.4/11

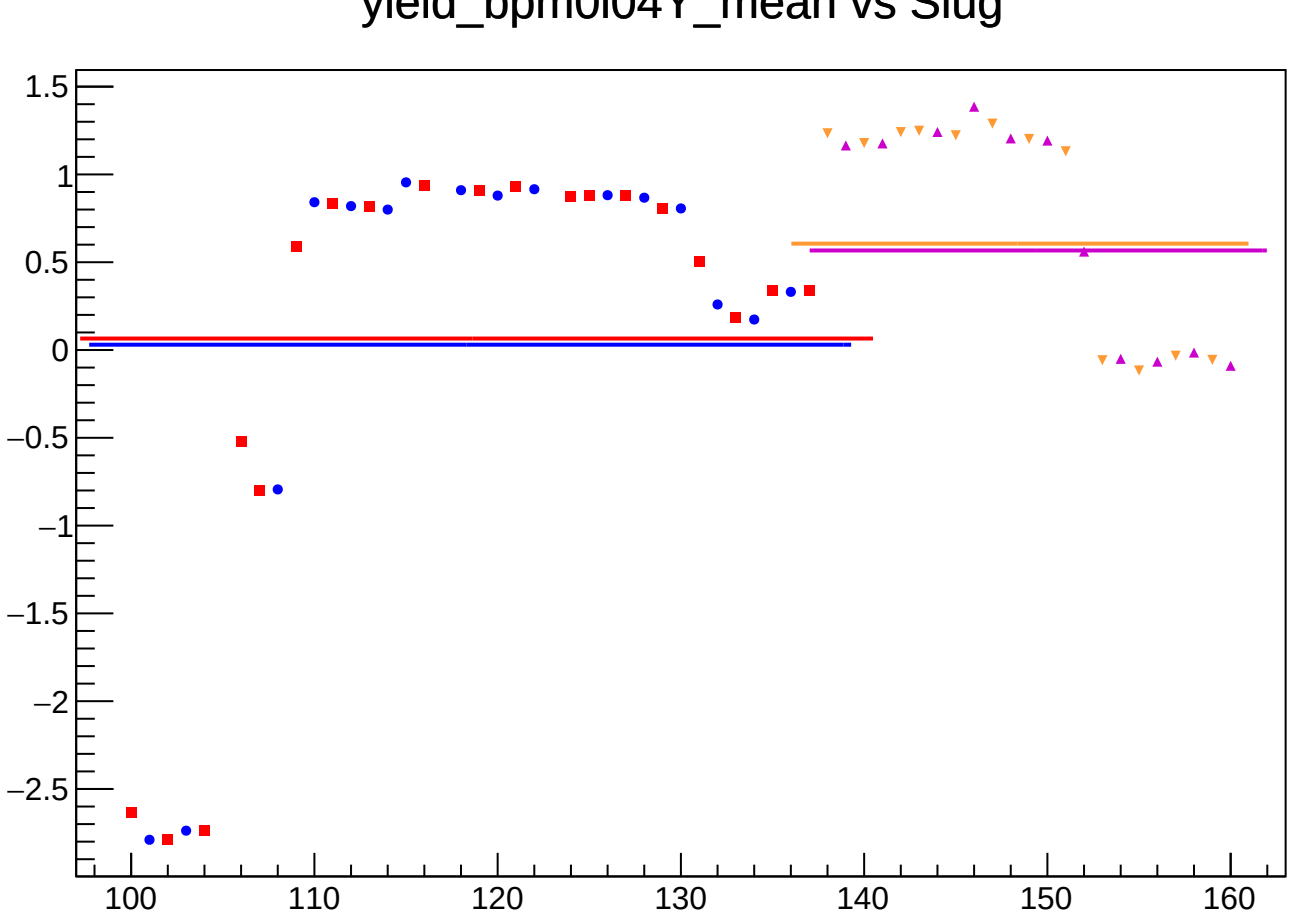
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:83162.1/10

+ sign 0.009+/-0.000 χ^2/NDF: 3170405.2/27

All: 0.009+/-0.000 χ^2/NDF: 6109181.9/57

- sign 0.010+/-0.000 χ^2/NDF: 2932375.3/29



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.606+/-0.000 χ^2/NDF:63205187824.8/11

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

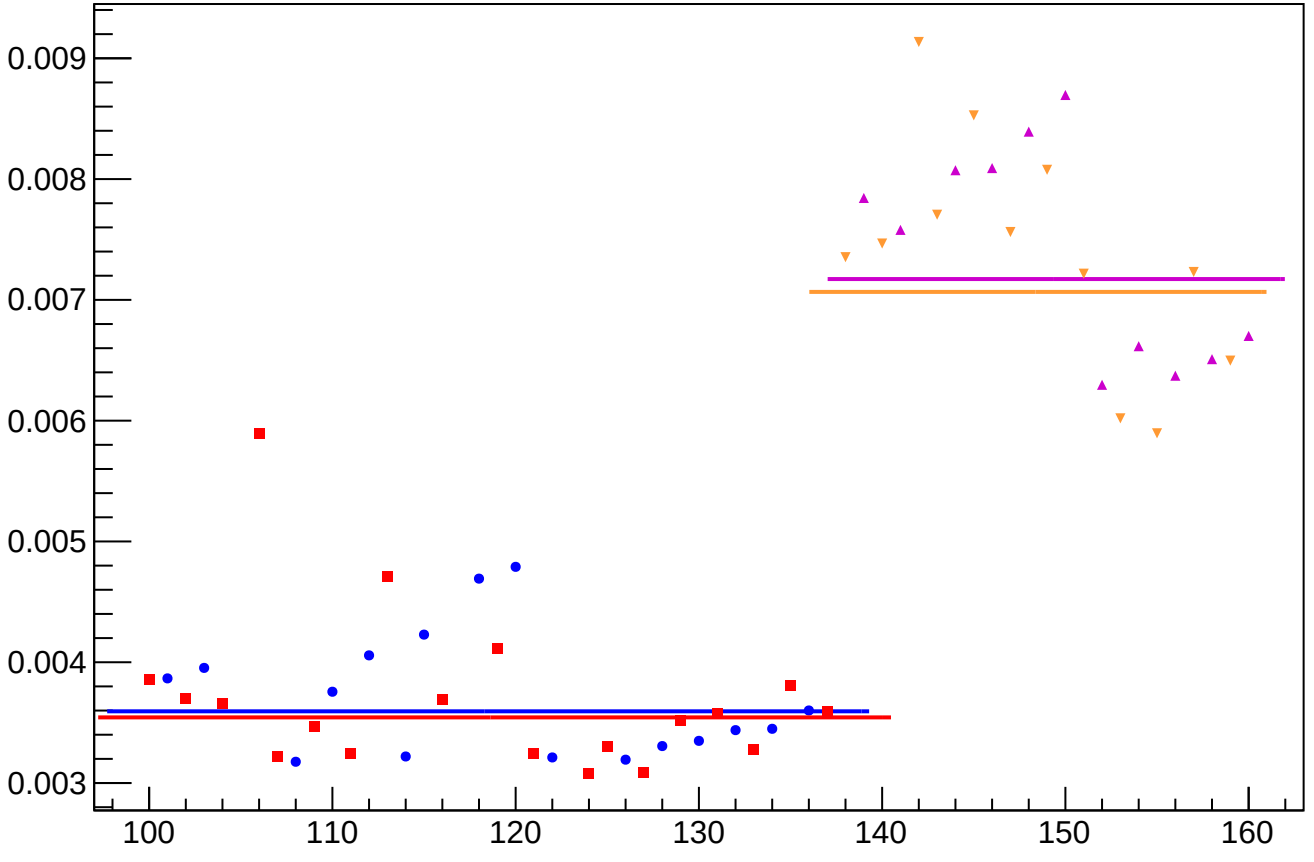
Left In: 0.567+/-0.000 χ^2/NDF:54793573326.6/10

+ sign 0.161+/-0.000 χ^2/NDF: 954050298645.8/27

All: 0.167+/-0.000 χ^2/NDF: 1974275683922.

- sign 0.172+/-0.000 χ^2/NDF: 1020183316021.9/29

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:230479.3/11

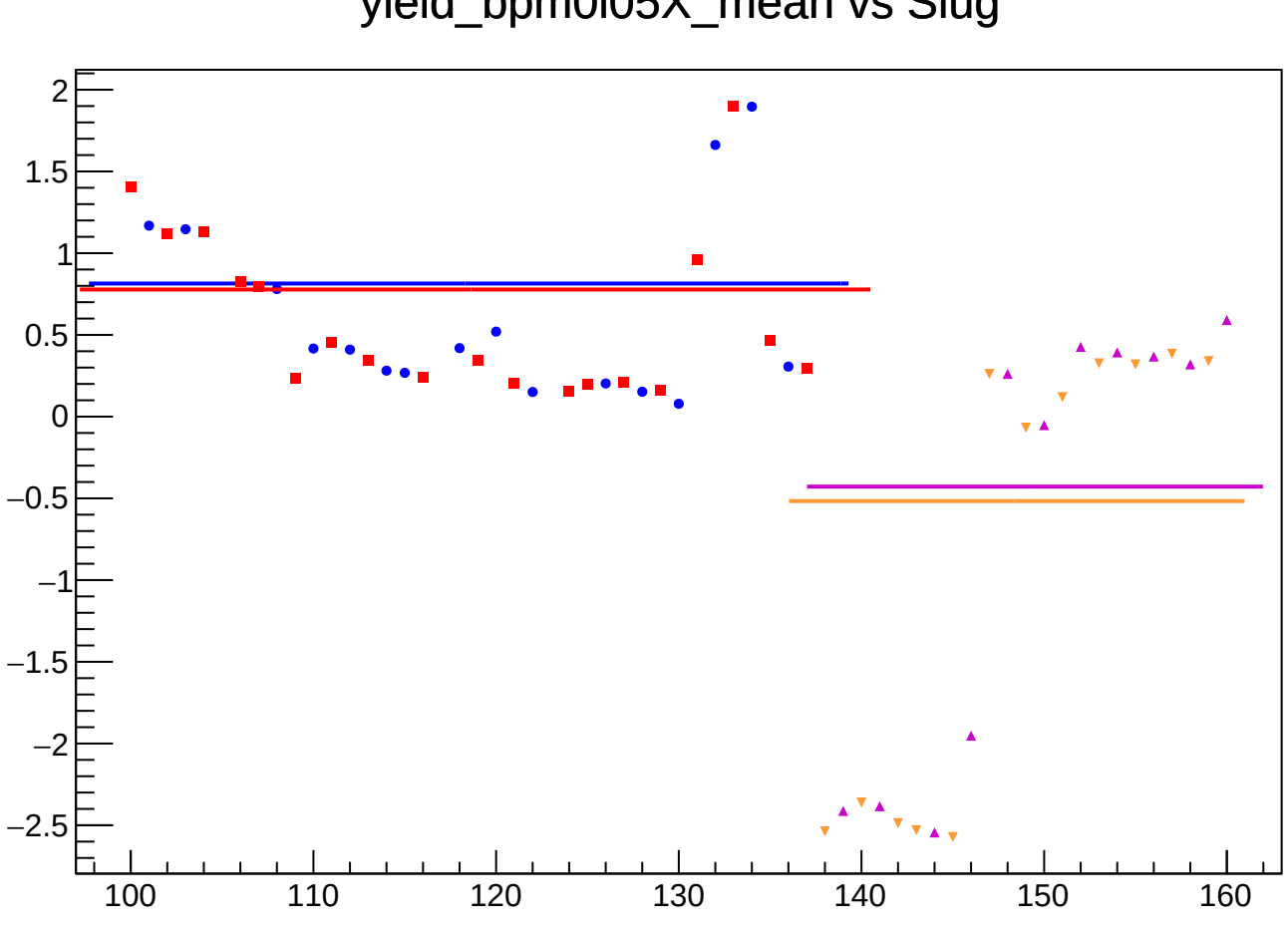
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:207581.5/10

+ sign 0.004+/-0.000 χ^2/NDF: 3261676.5/27

All: 0.004+/-0.000 χ^2/NDF: 6828584.8/57

- 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: -0.516+/-0.000 χ^2/NDF:317945171109.7/11

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

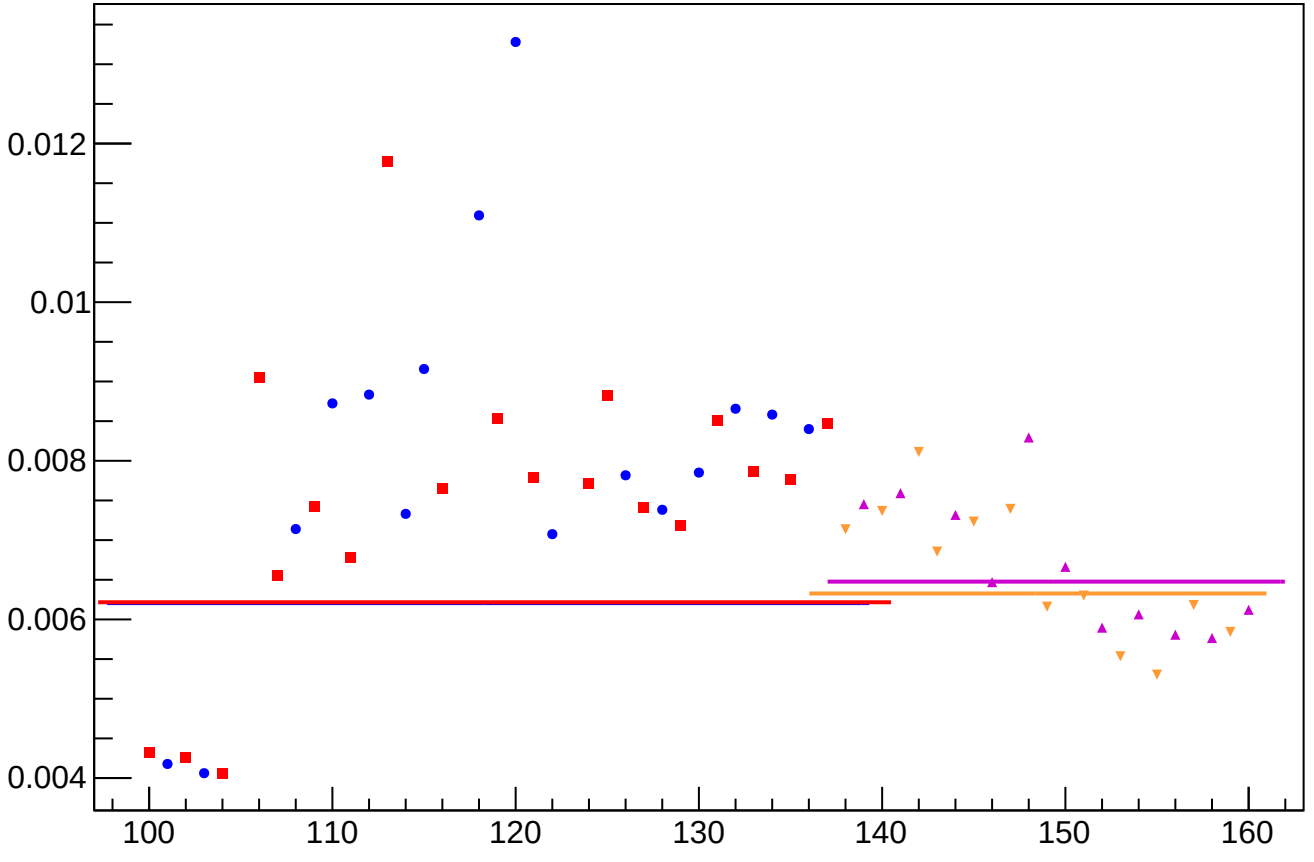
Left In: -0.428+/-0.000 χ^2/NDF:297203820369.9/10

+ sign 0.030+/-0.000 χ^2/NDF: 503937314728.7/27

All: 0.064+/-0.000 χ^2/NDF: 964144110706.5

- 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:243591.3/11

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

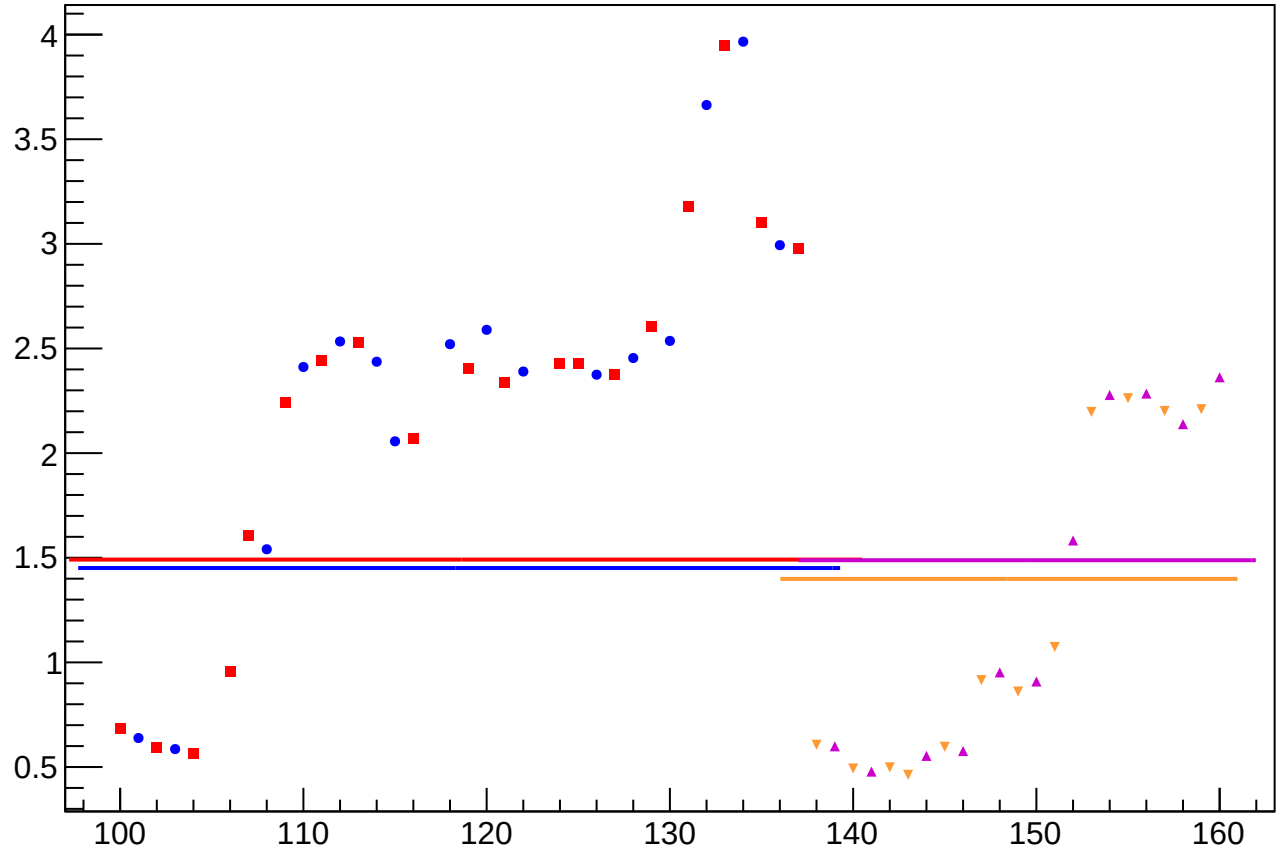
Left In: 0.006+/-0.000 χ^2/NDF:225135.9/10

+ sign 0.006+/-0.000 χ^2/NDF: 1669974.9/27

All: 0.006+/-0.000 χ^2/NDF: 3070719.1/57

- sign 0.006+/-0.000 χ^2/NDF: 1398138.0/29

yield_bpm0l05Y_mean vs Slug



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.399+/-0.000 χ^2/NDF:110447138586.3/11

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

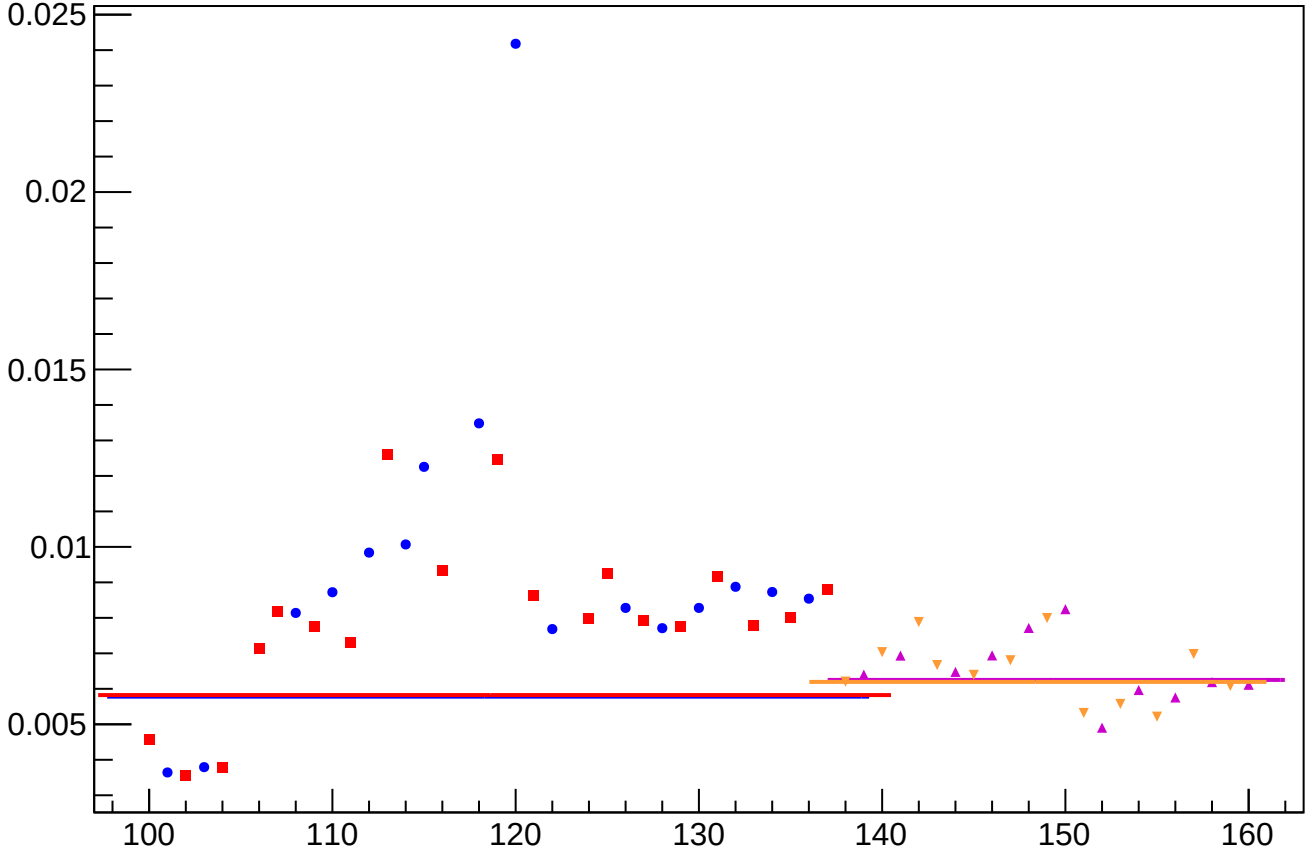
Left In: 1.488+/-0.000 χ^2/NDF:107388445669.0/10

+ sign 1.422+/-0.000 χ^2/NDF: 280309161443.0/27

All: 1.456+/-0.000 χ^2/NDF: 575445986324.9

- 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:250378.6/11

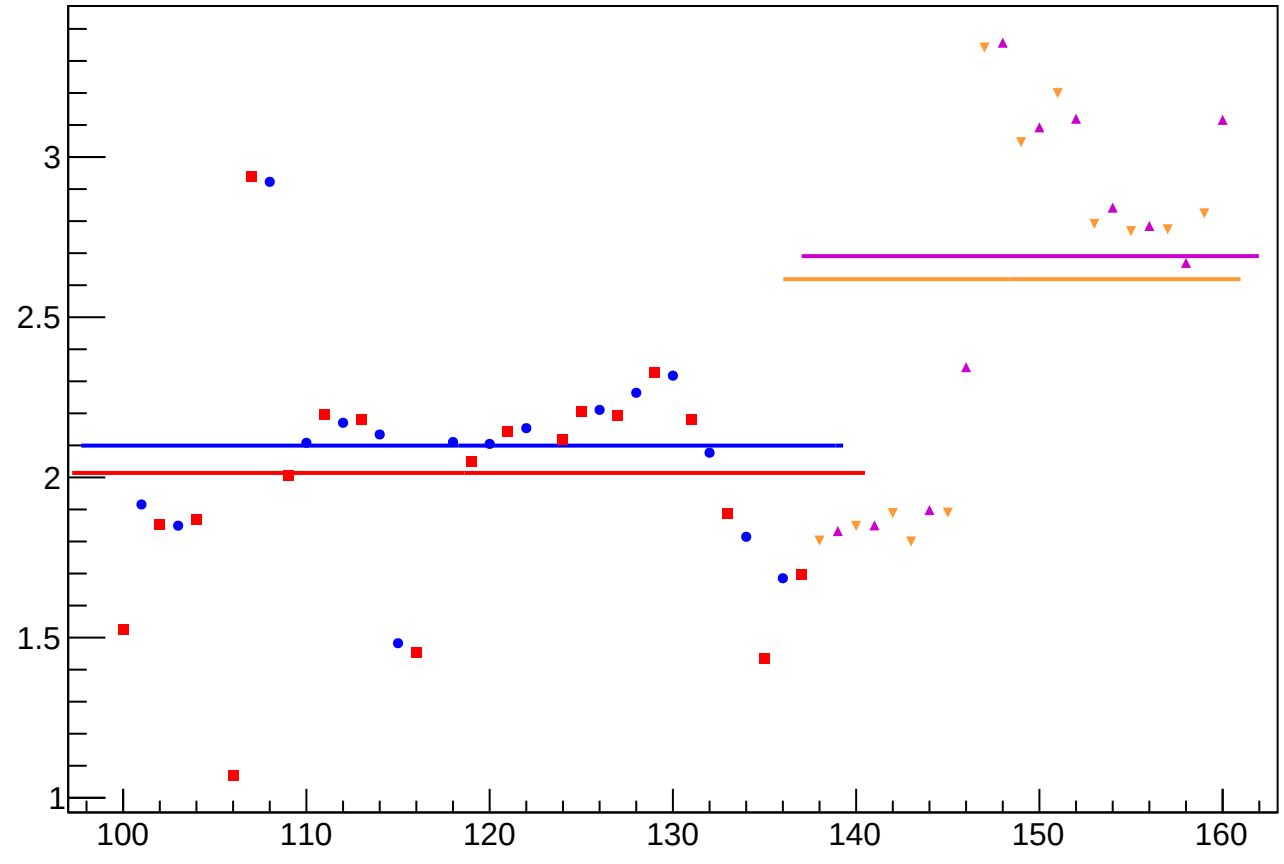
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:277859.9/10

+ sign 0.006+/-0.000 χ^2/NDF: 2493148.6/27

All: 0.006+/-0.000 χ^2/NDF: 4759247.4/57

- 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: 2.619+/-0.000 χ^2/NDF:40847103439.5/11

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

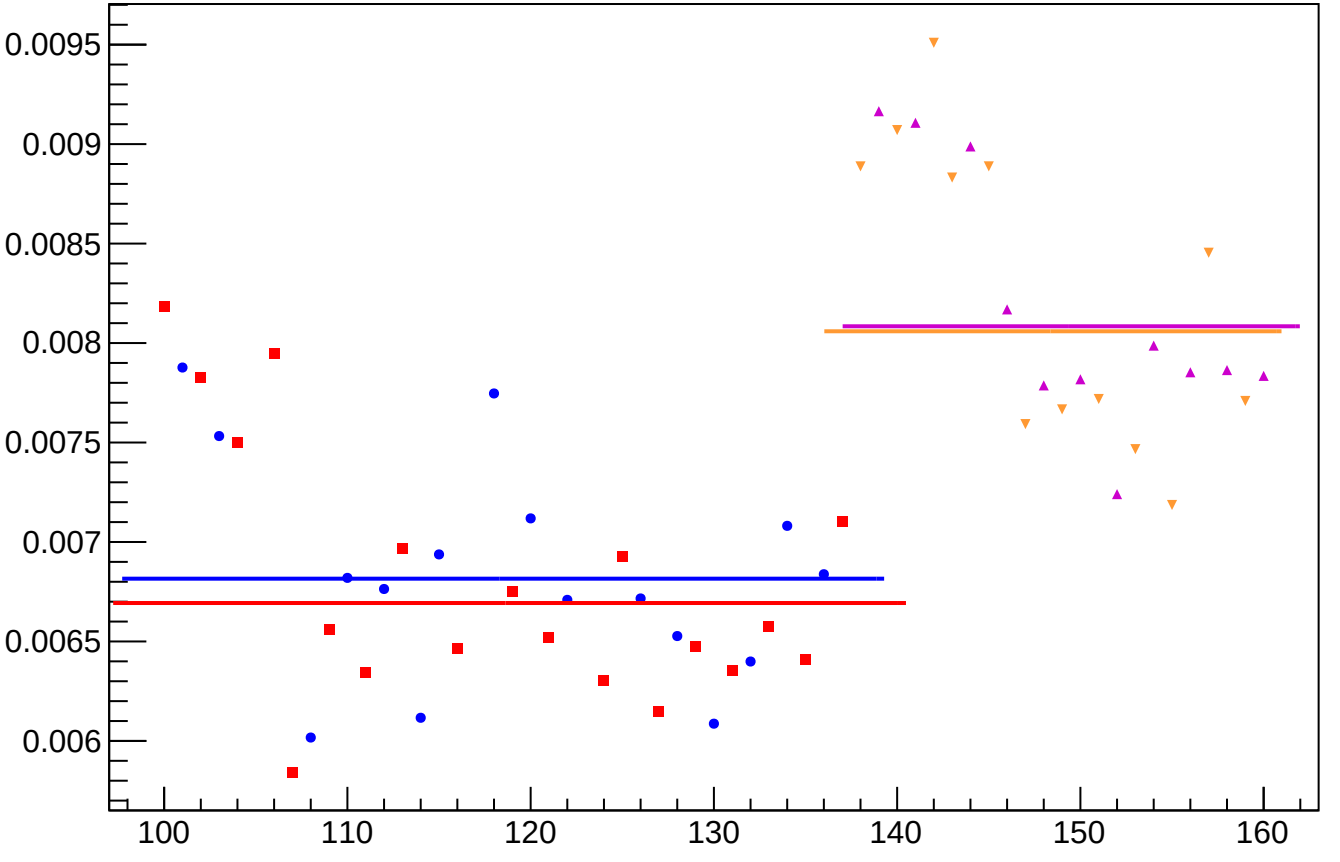
Left In: 2.691+/-0.000 χ^2/NDF:35737933542.5/10

+ sign 2.349+/-0.000 χ^2/NDF: 73819976213.0/27

All: 2.337+/-0.000 χ^2/NDF: 162963280590.9

- 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:127619.9/11

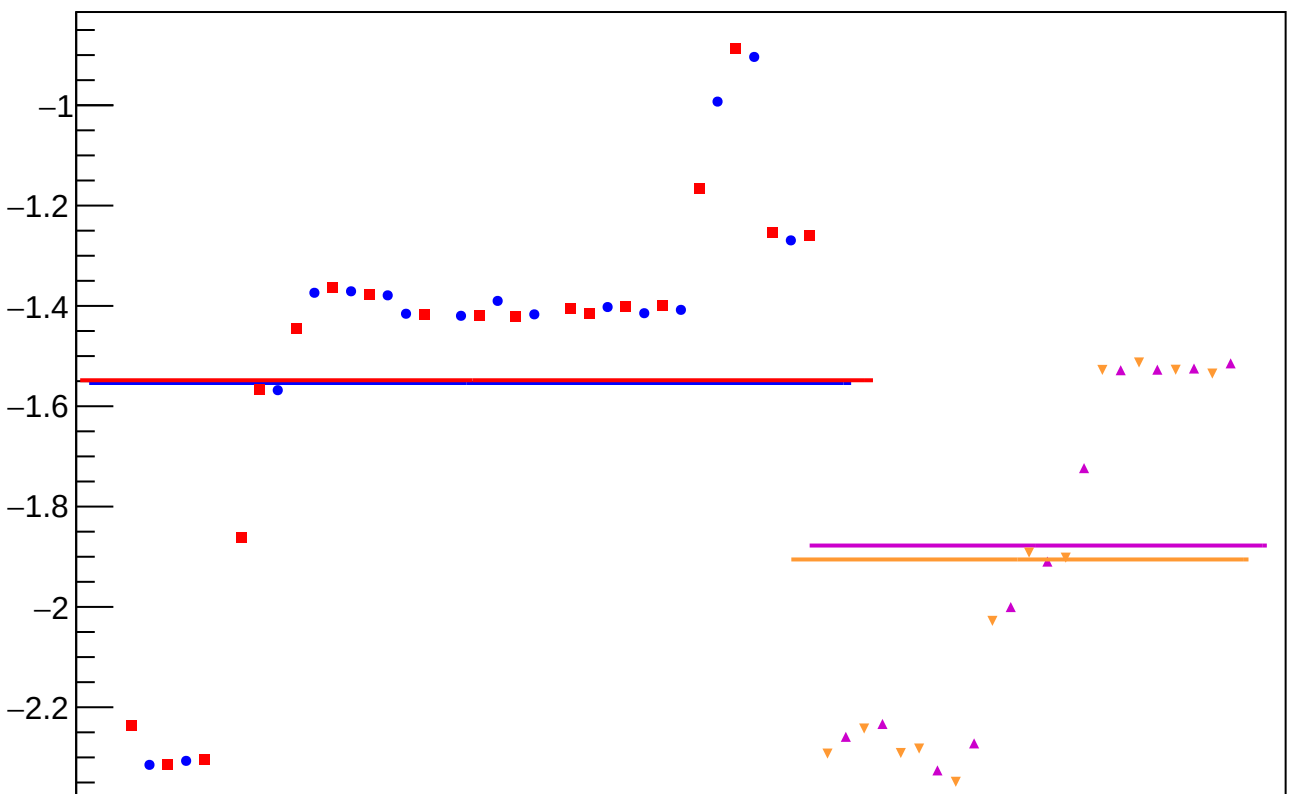
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:91207.1/10

\+ sign 0.007+/-0.000 χ^2/NDF: 432605.2/27

All: 0.007+/-0.000 χ^2/NDF: 898326.3/57

\- 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: -1.905+/-0.000 χ^2/NDF:96033614723.9/11

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

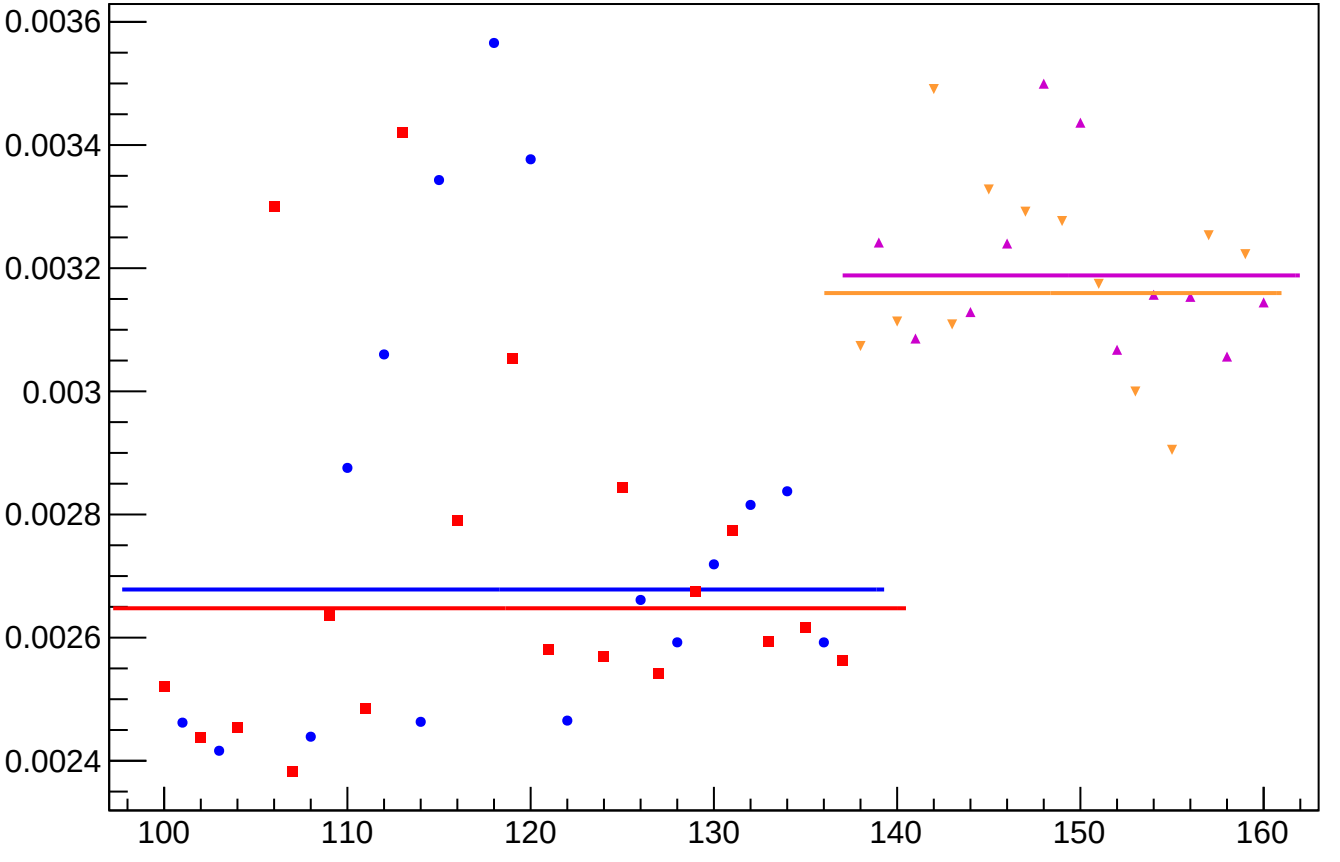
Left In: -1.878+/-0.000 χ^2/NDF:93232894052.1/10

+ sign -1.722+/-0.000 χ^2/NDF: 326657020310.1/27

All: -1.711+/-0.000 χ^2/NDF: 645192204677.4

- 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:35476.4/11

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

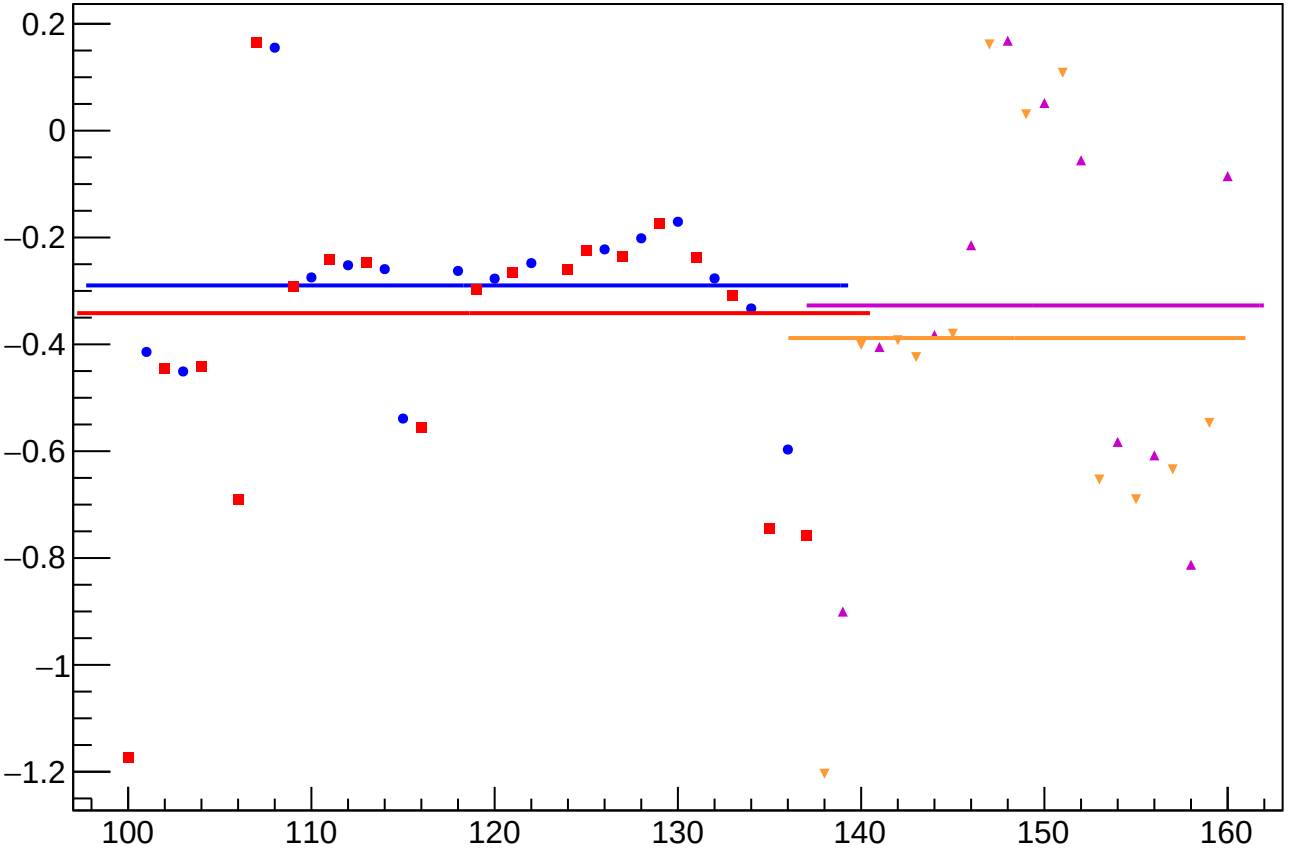
Left In: 0.003+/-0.000 χ^2/NDF:30031.3/10

+ sign 0.003+/-0.000 χ^2/NDF: 401027.7/27

All: 0.003+/-0.000 χ^2/NDF: 817330.8/57

- 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: -0.388+/-0.000 χ^2/NDF:6924040067.6/11

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

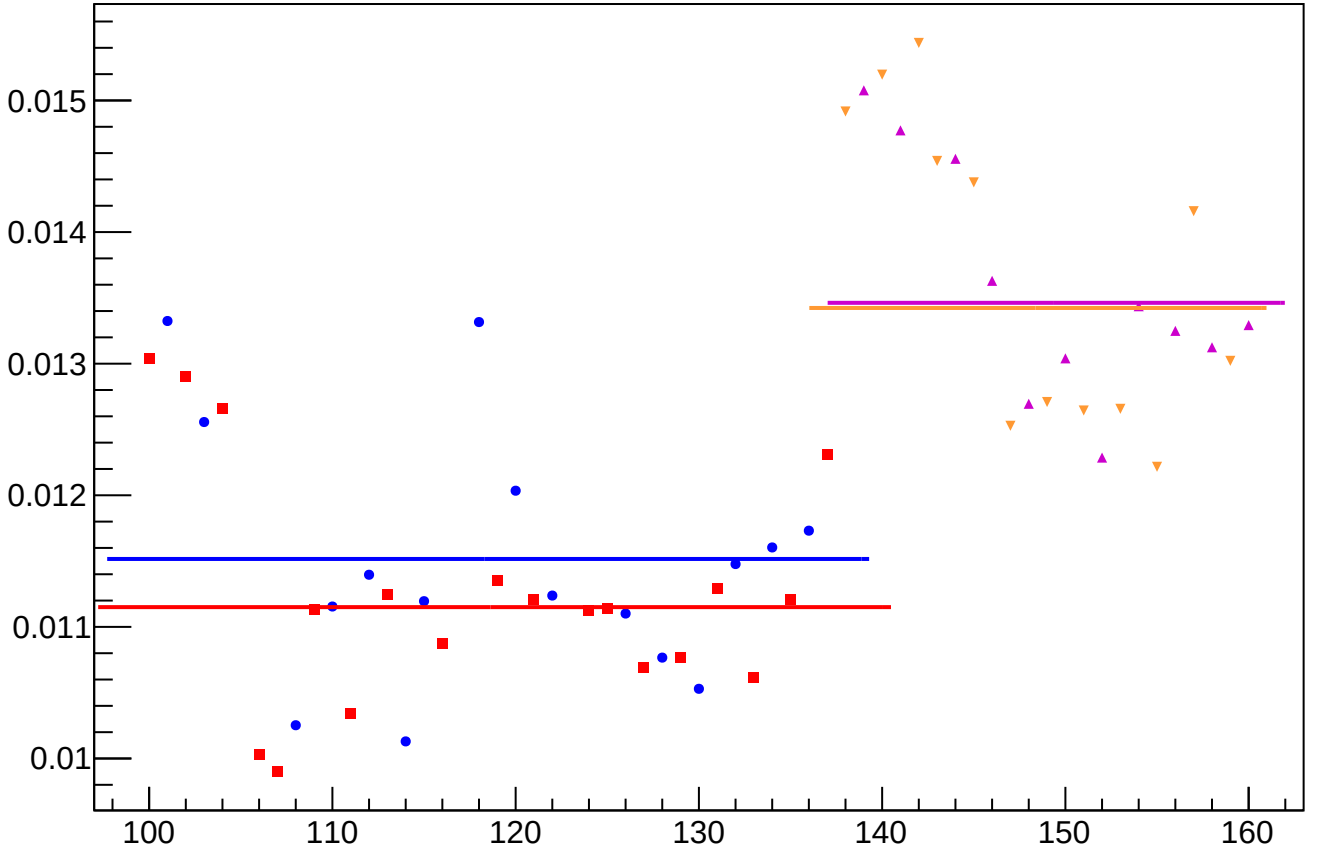
Left In: -0.327+/-0.000 χ^2/NDF:5620384543.0/10

+ sign -0.338+/-0.000 χ^2/NDF: 8814517941.4/27

All: -0.336+/-0.000 χ^2/NDF: 17049999643.5/

- 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:110186.0/11

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

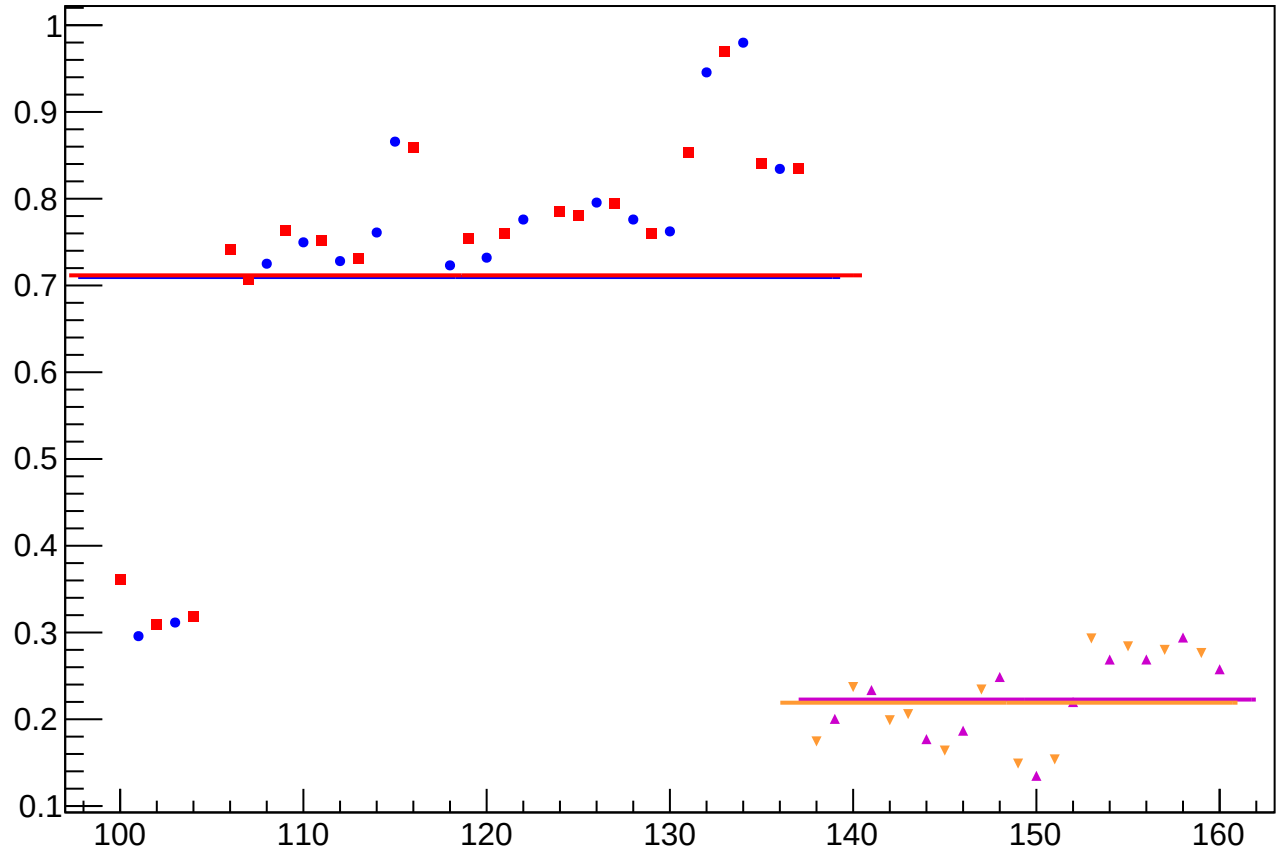
Left In: 0.013+/-0.000 χ^2/NDF:65129.6/10

+ sign 0.012+/-0.000 χ^2/NDF: 378551.1/27

All: 0.012+/-0.000 χ^2/NDF: 805484.3/57

- 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: 0.219+/-0.000 χ^2/NDF:5135362774.5/11

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

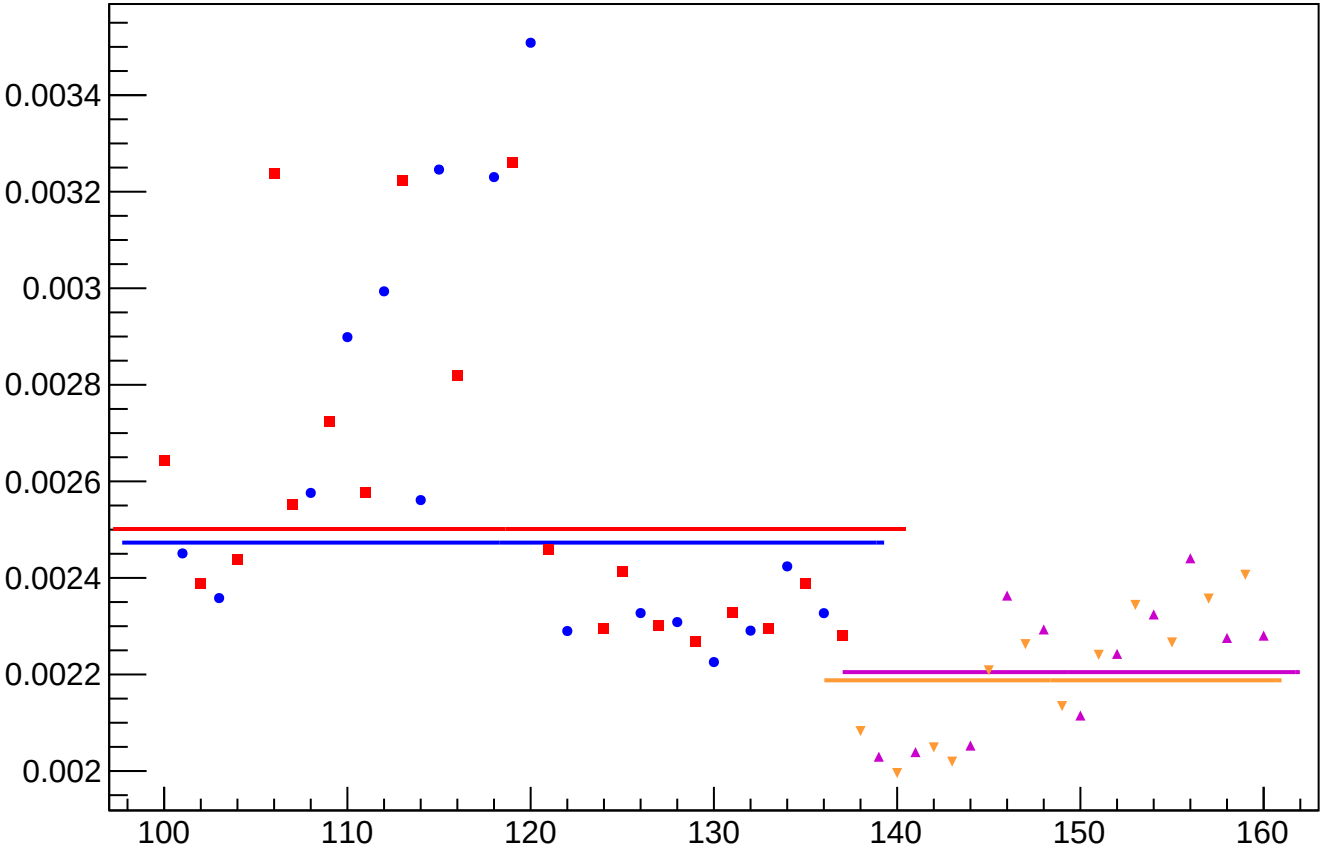
Left In: 0.223+/-0.000 χ^2/NDF:4114481767.0/10

+ sign 0.397+/-0.000 χ^2/NDF: 225124836489.4/27

All: 0.400+/-0.000 χ^2/NDF: 443480916738.6

- 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:70269.8/11

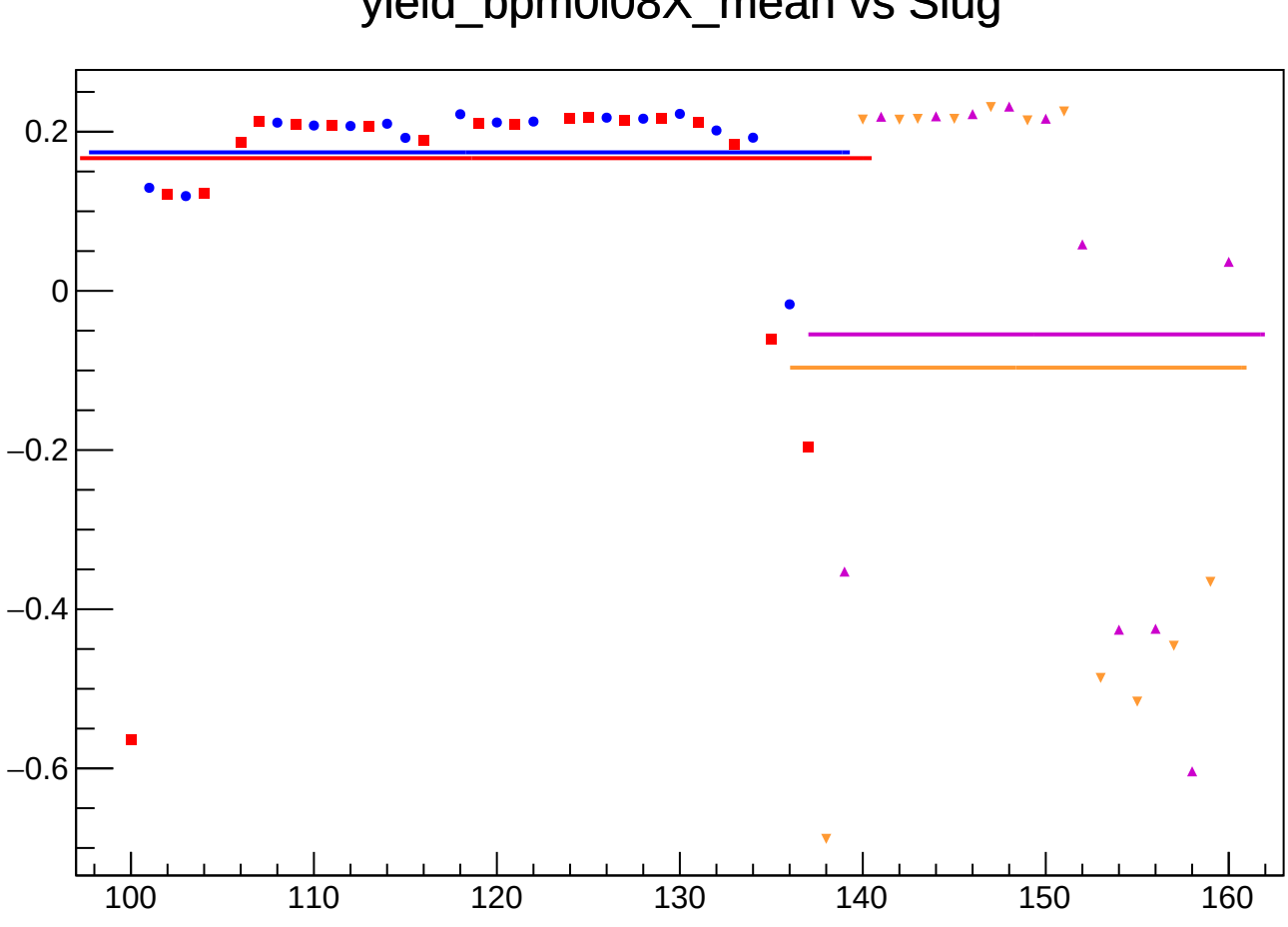
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:71332.2/10

+ sign 0.002+/-0.000 χ^2/NDF: 393949.7/27

All: 0.002+/-0.000 χ^2/NDF: 769285.3/57

- 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: -0.096+/-0.000 χ^2/NDF:7748007291.1/11

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

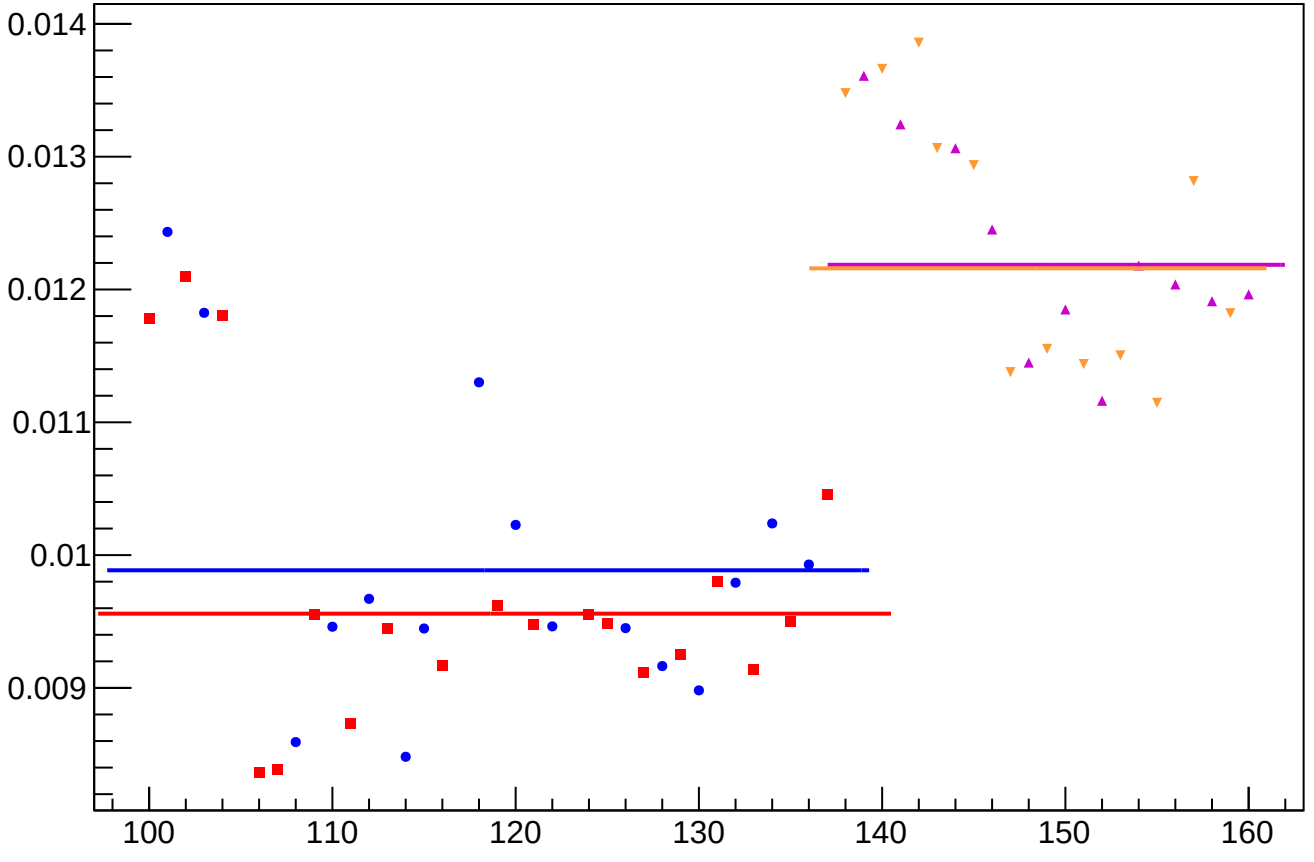
Left In: -0.055+/-0.000 χ^2/NDF:5891526686.3/10

+ sign 0.049+/-0.000 χ^2/NDF: 10520834859.4/27

All: 0.060+/-0.000 χ^2/NDF: 19011668785.7/5

- 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:98710.8/11

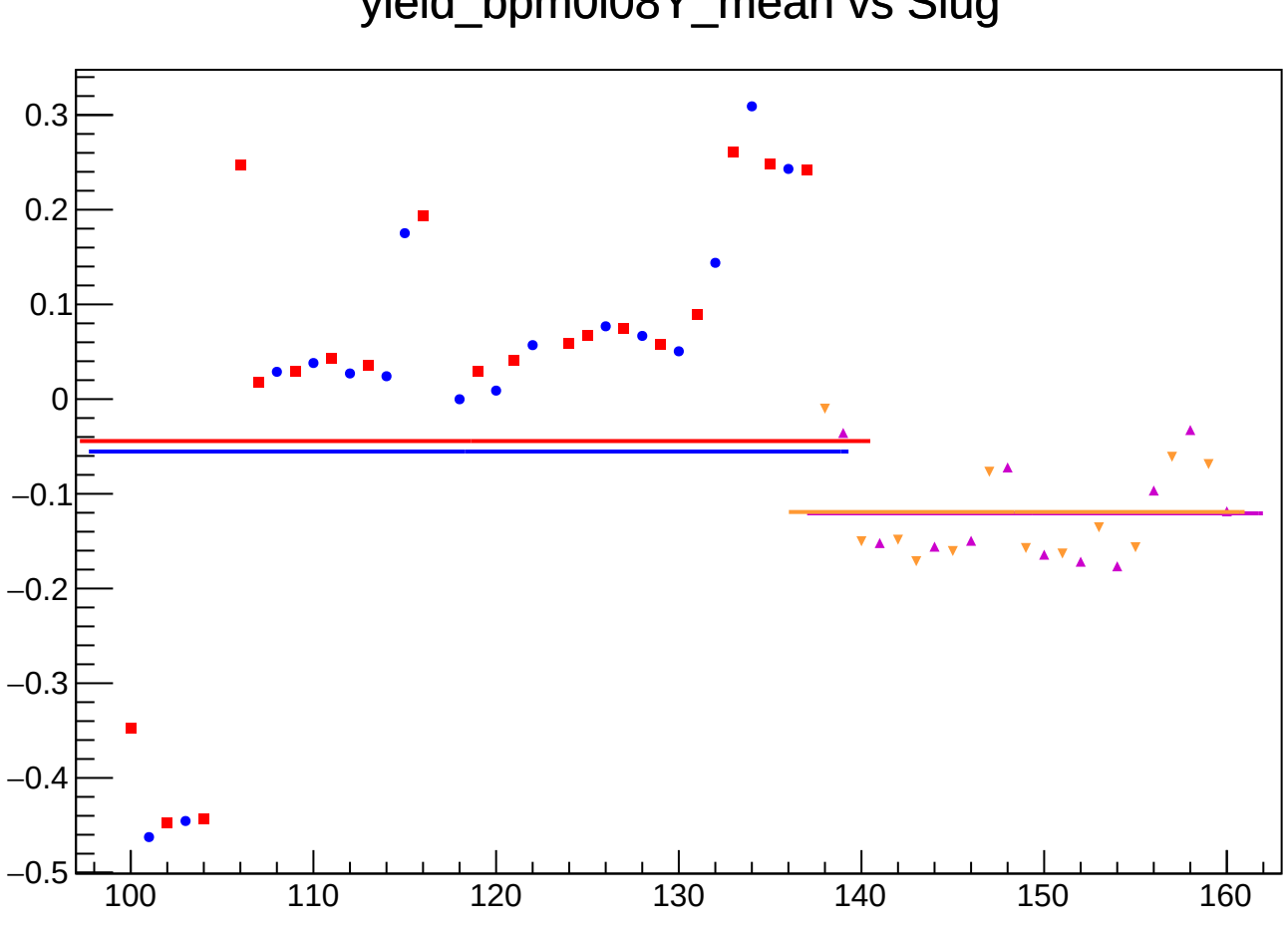
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:59604.0/10

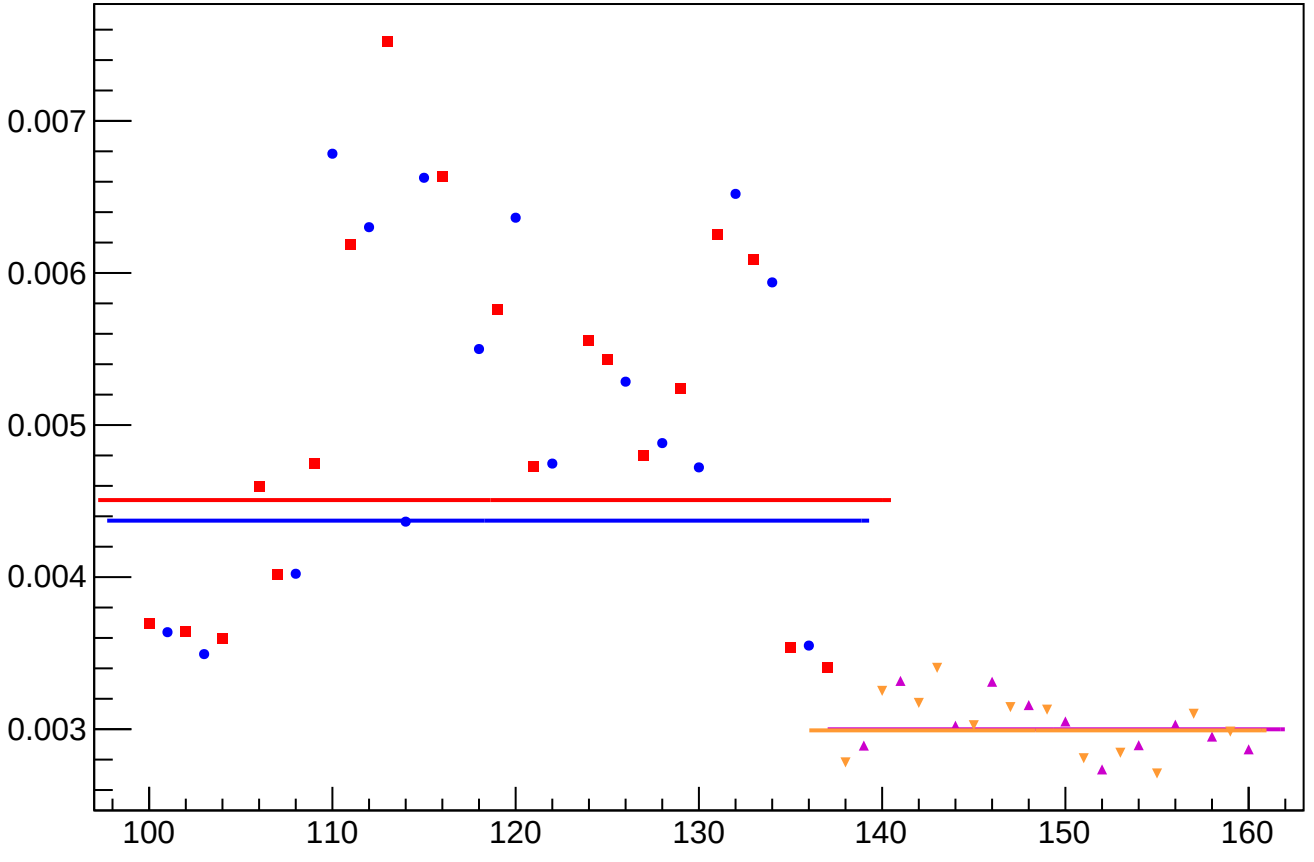
+ sign 0.011+/-0.000 χ^2/NDF: 582168.1/27

All: 0.011+/-0.000 χ^2/NDF: 1256738.4/57

- 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: -0.119+/-0.000 χ²/NDF:2697305836.2/11
Right Out: -0.044+/-0.000 χ²/NDF: 22136167141.7/18
Left In: -0.121+/-0.000 χ²/NDF:2721283595.1/10
+ sign -0.104+/-0.000 χ²/NDF: 27765432146.5/27
All: -0.103+/-0.000 χ²/NDF: 54018922767.4/
- 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:79311.5/11

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

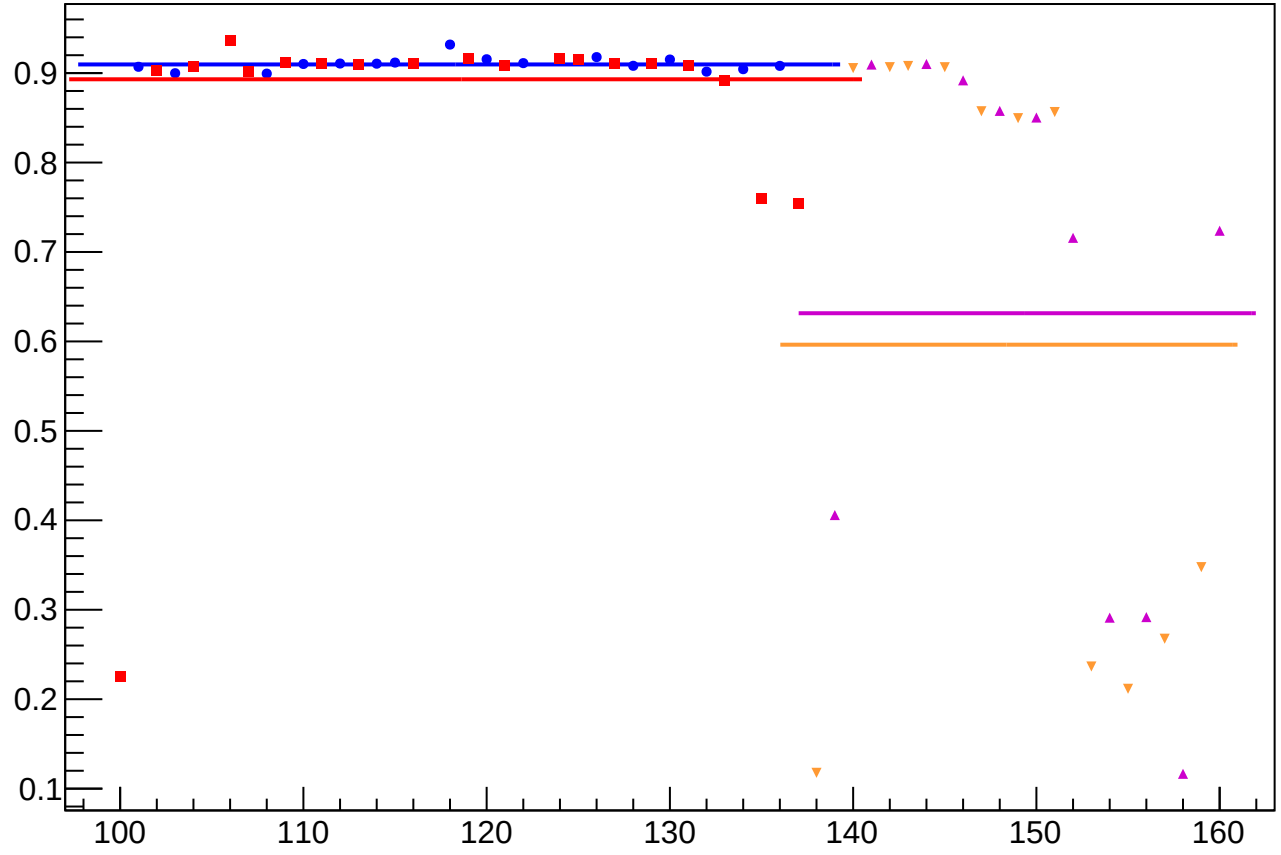
Left In: 0.003+/-0.000 χ^2/NDF:56929.4/10

+ sign 0.003+/-0.000 χ^2/NDF: 1659992.1/27

All: 0.003+/-0.000 χ^2/NDF: 3510375.3/57

- sign 0.003+/-0.000 χ^2/NDF: 1848865.0/29

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.596+/-0.000 χ^2/NDF:6553435348.0/11

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

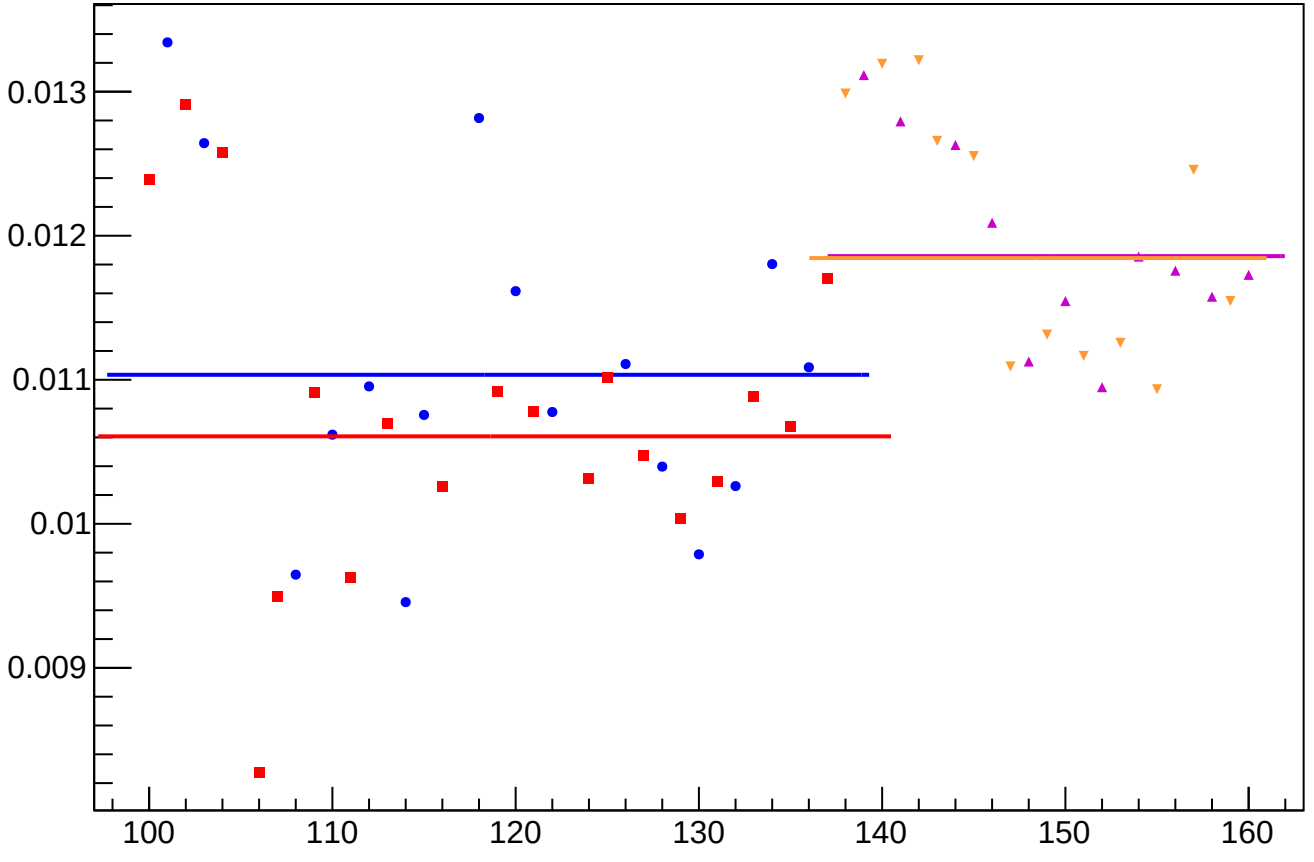
Left In: 0.632+/-0.000 χ^2/NDF:5194515018.4/10

+ sign 0.743+/-0.000 χ^2/NDF: 9497994121.9/27

All: 0.753+/-0.000 χ^2/NDF: 17234669226.5/5

- 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:84227.9/11

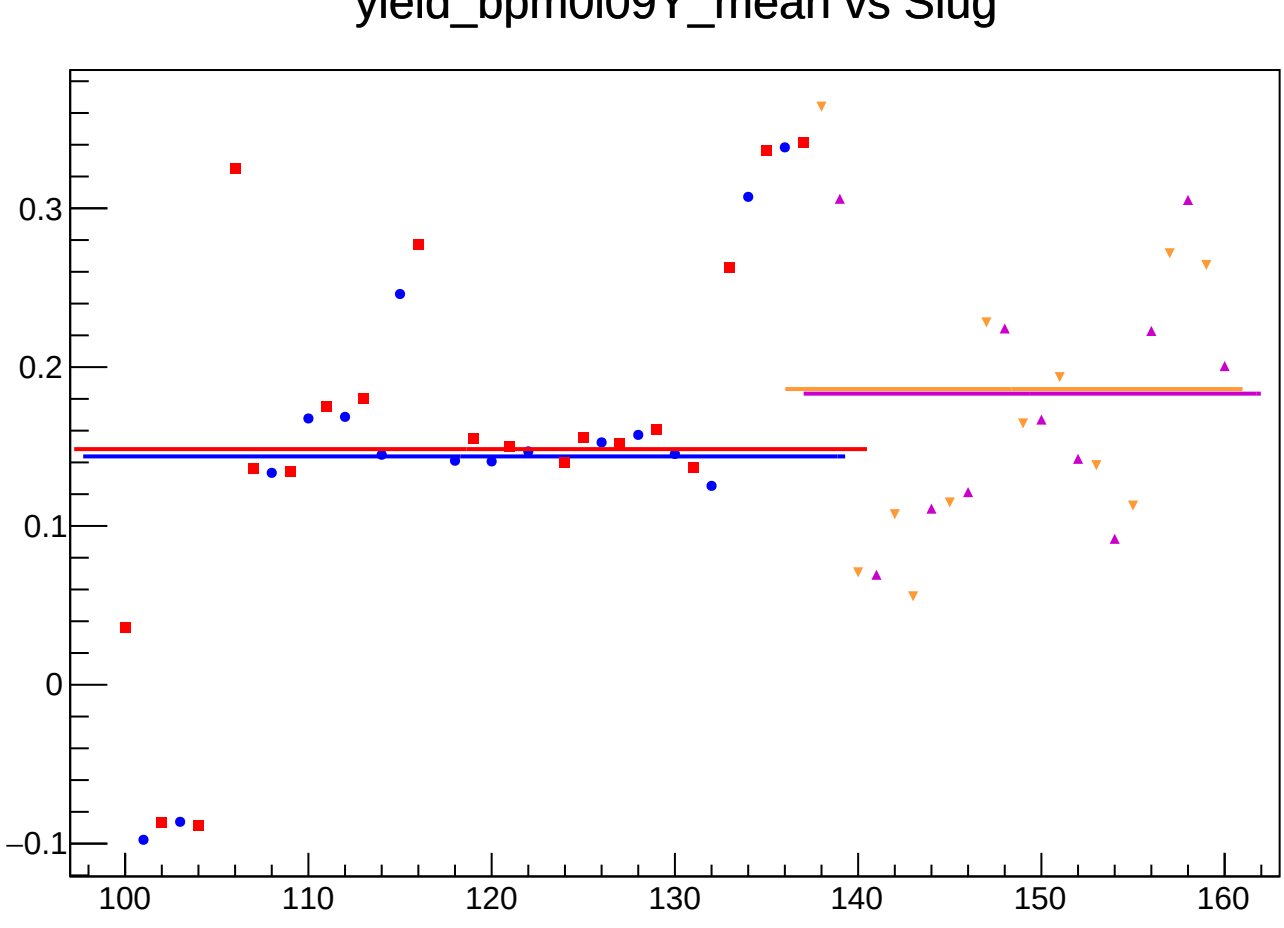
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:51456.8/10

+ sign 0.011+/-0.000 χ^2/NDF: 253923.0/27

All: 0.011+/-0.000 χ^2/NDF: 556298.0/57

- 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:5837637663.6/11

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

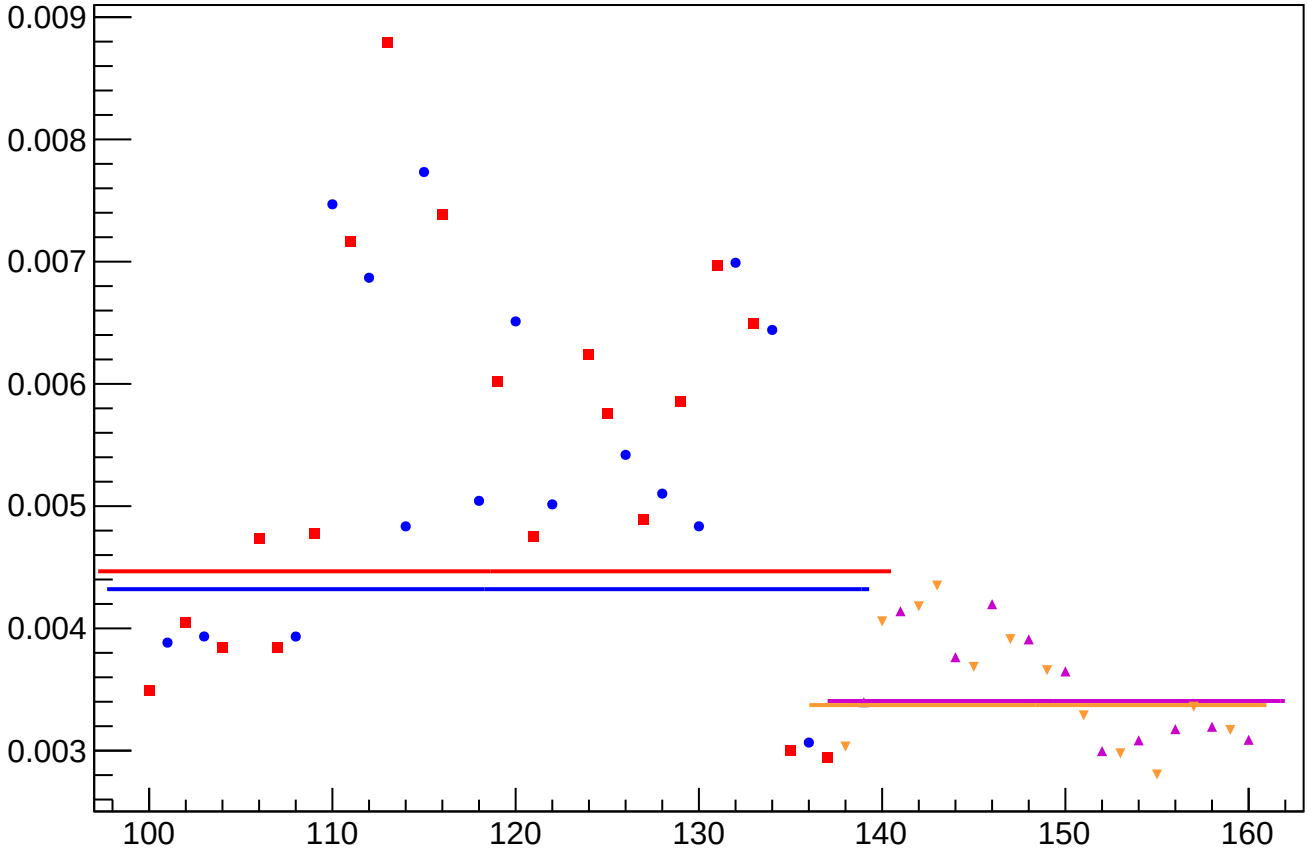
Left In: 0.183+/-0.000 χ^2/NDF:4386636863.5/10

+ sign 0.174+/-0.000 χ^2/NDF: 14096535832.5/27

All: 0.174+/-0.000 χ^2/NDF: 25870775824.4/5

- sign 0.173+/-0.000 χ^2/NDF: 11774061187.3/29

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:306147.6/11

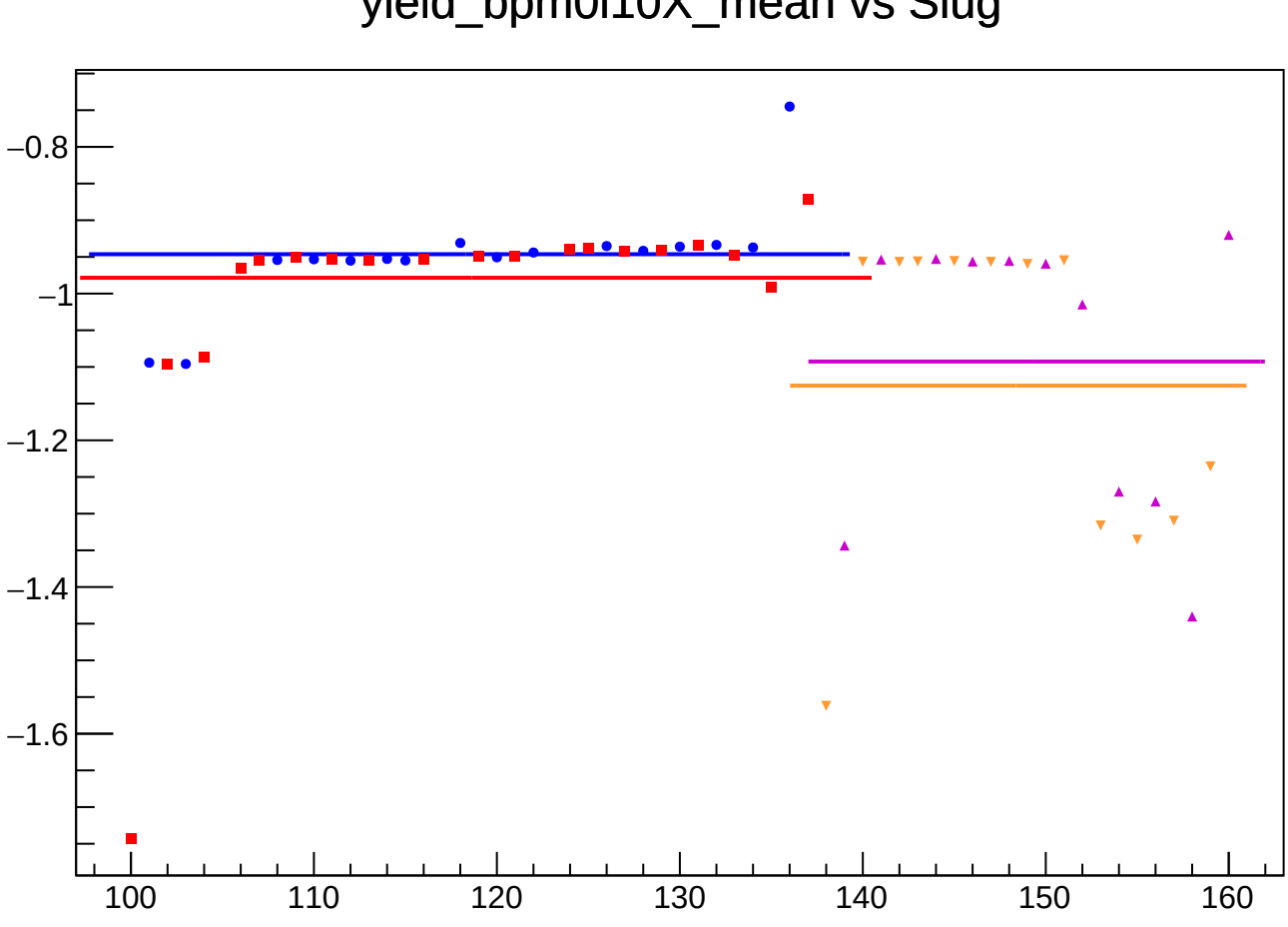
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:228443.3/10

+ sign 0.004+/-0.000 χ^2/NDF: 1575688.2/27

All: 0.004+/-0.000 χ^2/NDF: 3371662.3/57

- 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: -1.125+/-0.000 χ^2/NDF:3300113134.9/11

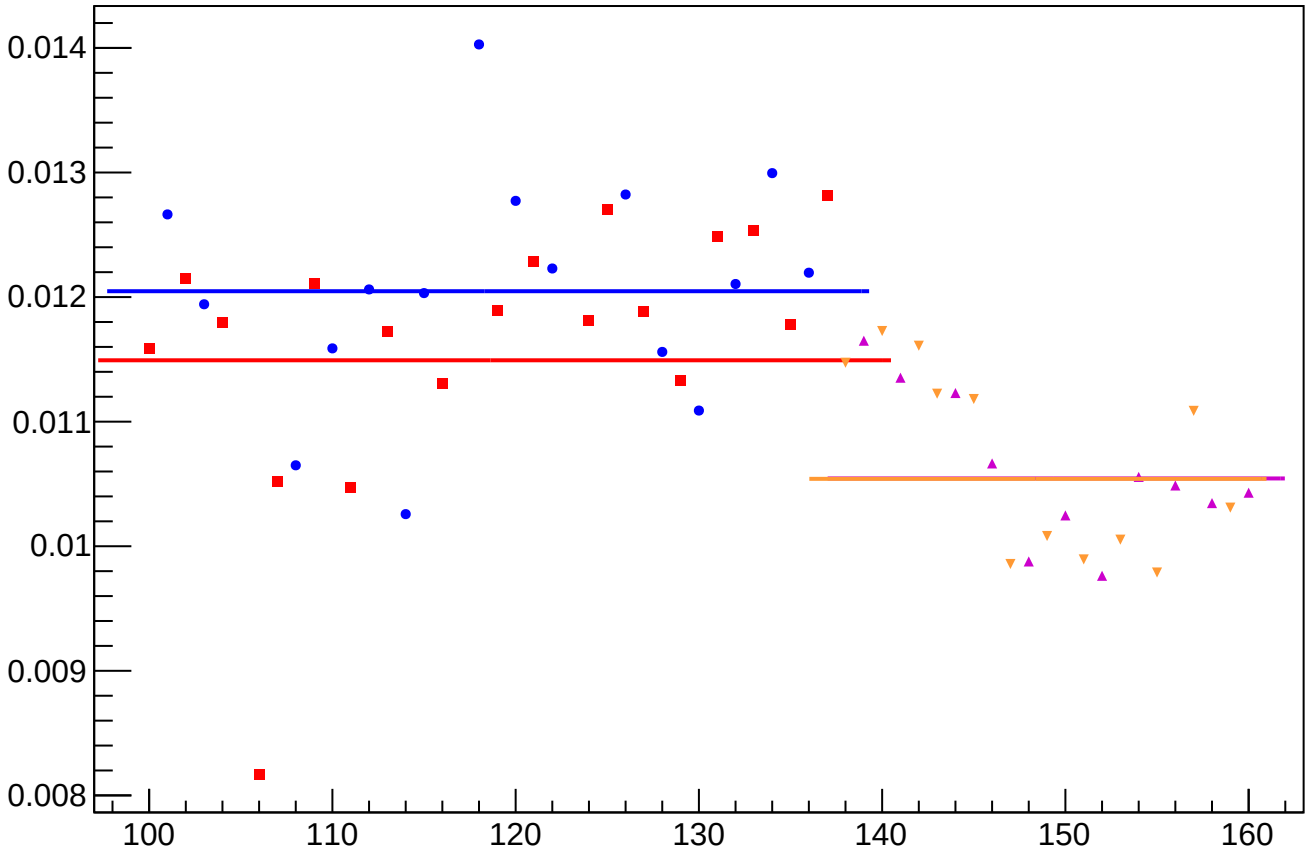
Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.093+/-0.000 χ^2/NDF:2802374189.2/10

+ sign -1.059+/-0.000 χ^2/NDF: 4664531068.9/27

All: -1.053+/-0.000 χ^2/NDF: 8362860348.4/5

- sign -1.047+/-0.000 χ^2/NDF: 3688139221.3/29



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:78959.8/11

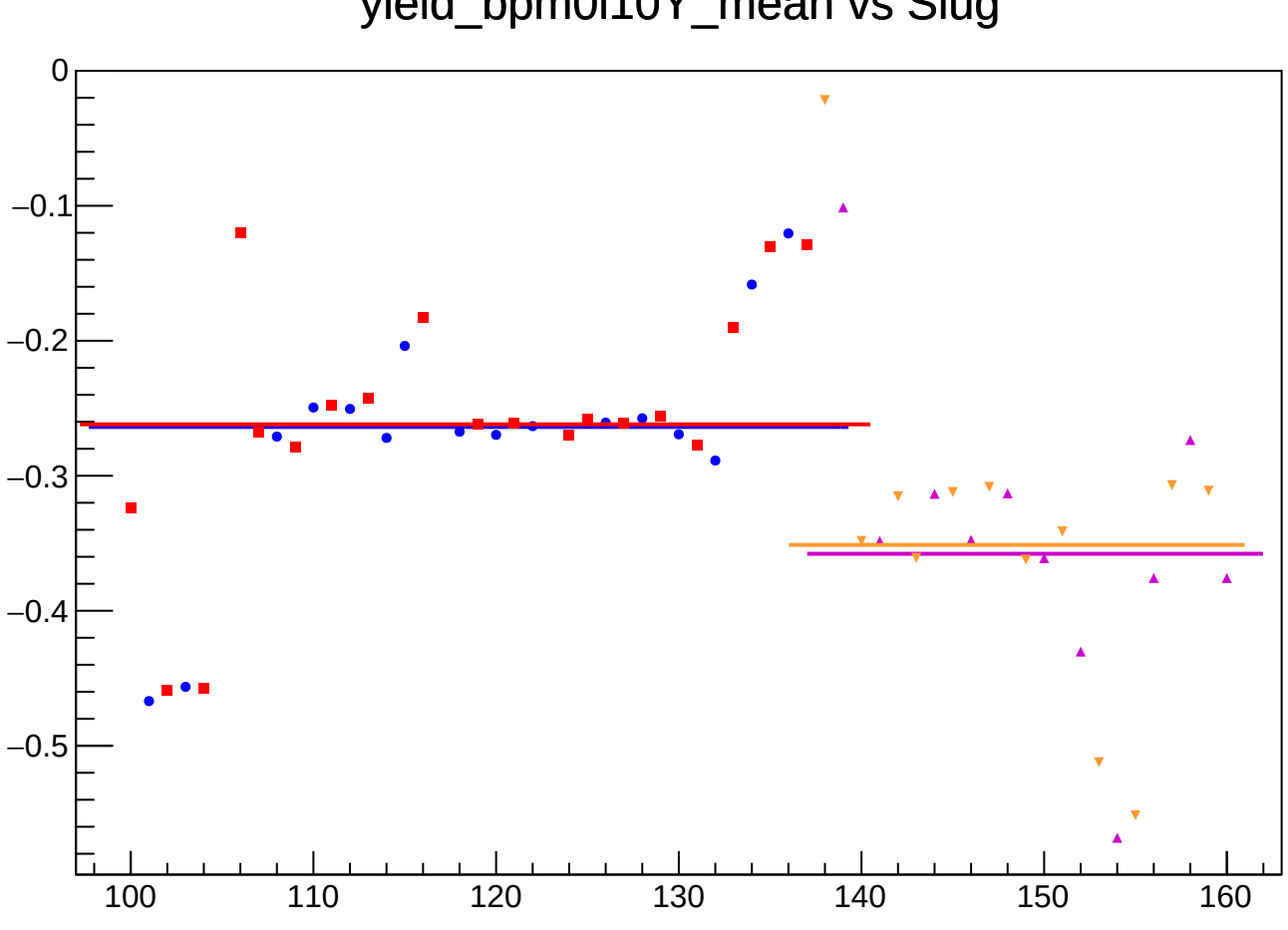
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:50006.2/10

+ sign 0.011+/-0.000 χ^2/NDF: 277093.9/27

All: 0.011+/-0.000 χ^2/NDF: 540975.6/57

- 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: -0.351+/-0.000 χ^2/NDF:11234501388.8/11

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

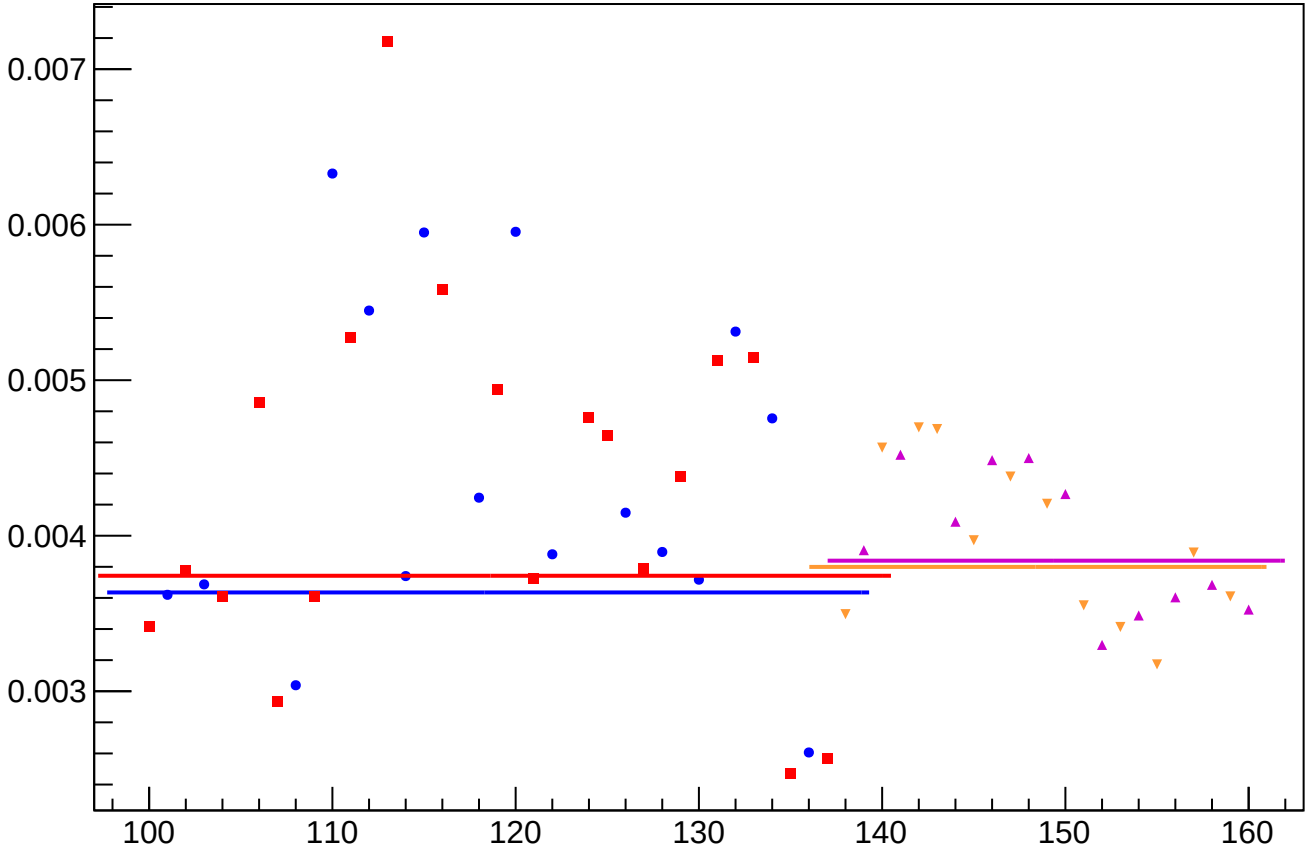
Left In: -0.358+/-0.000 χ^2/NDF:7234814143.9/10

+ sign -0.314+/-0.000 χ^2/NDF: 19243332683.2/27

All: -0.315+/-0.000 χ^2/NDF: 33988011139.3/

- sign -0.317+/-0.000 χ^2/NDF: 14740340037.9/29

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:261782.5/11

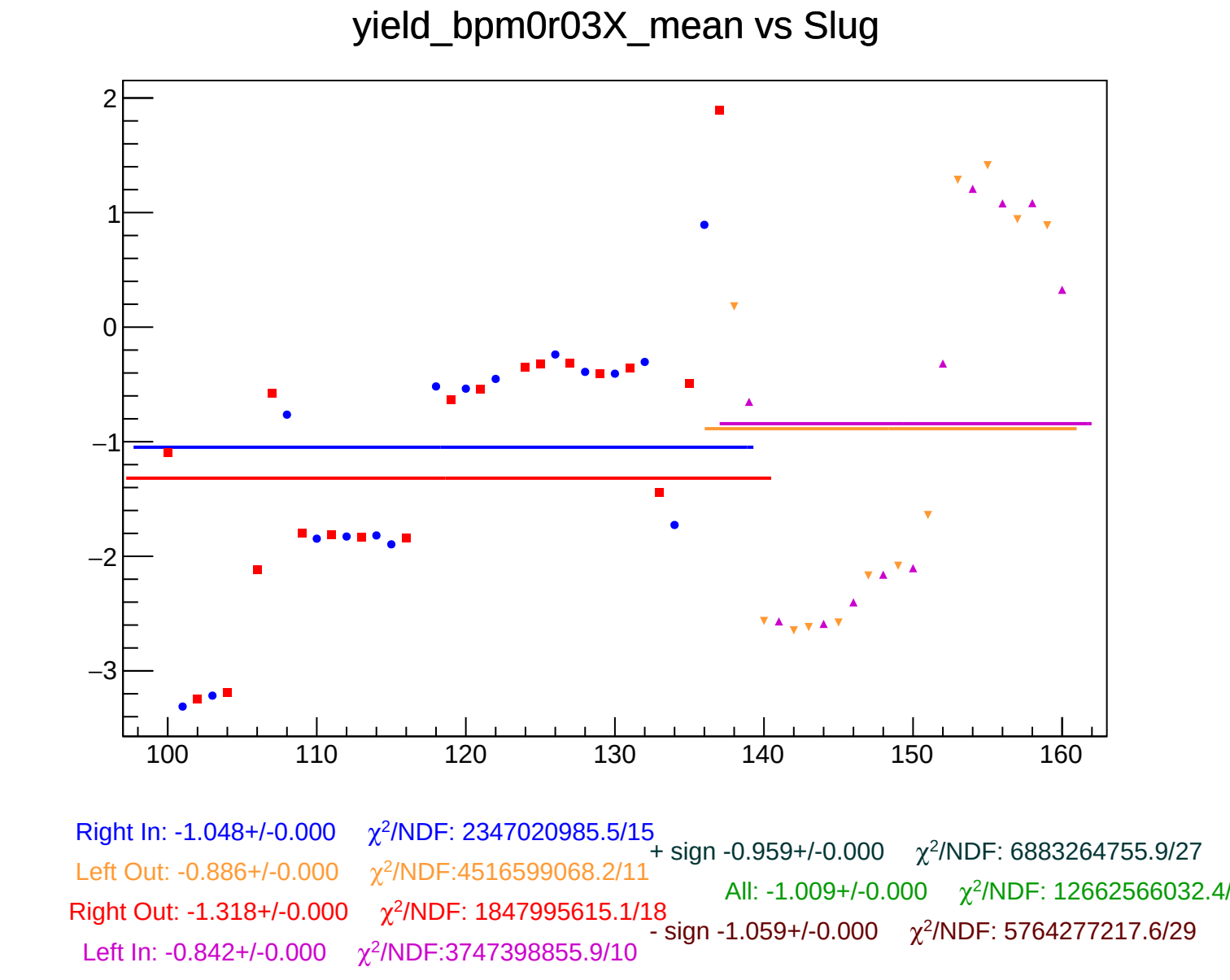
Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:199501.4/10

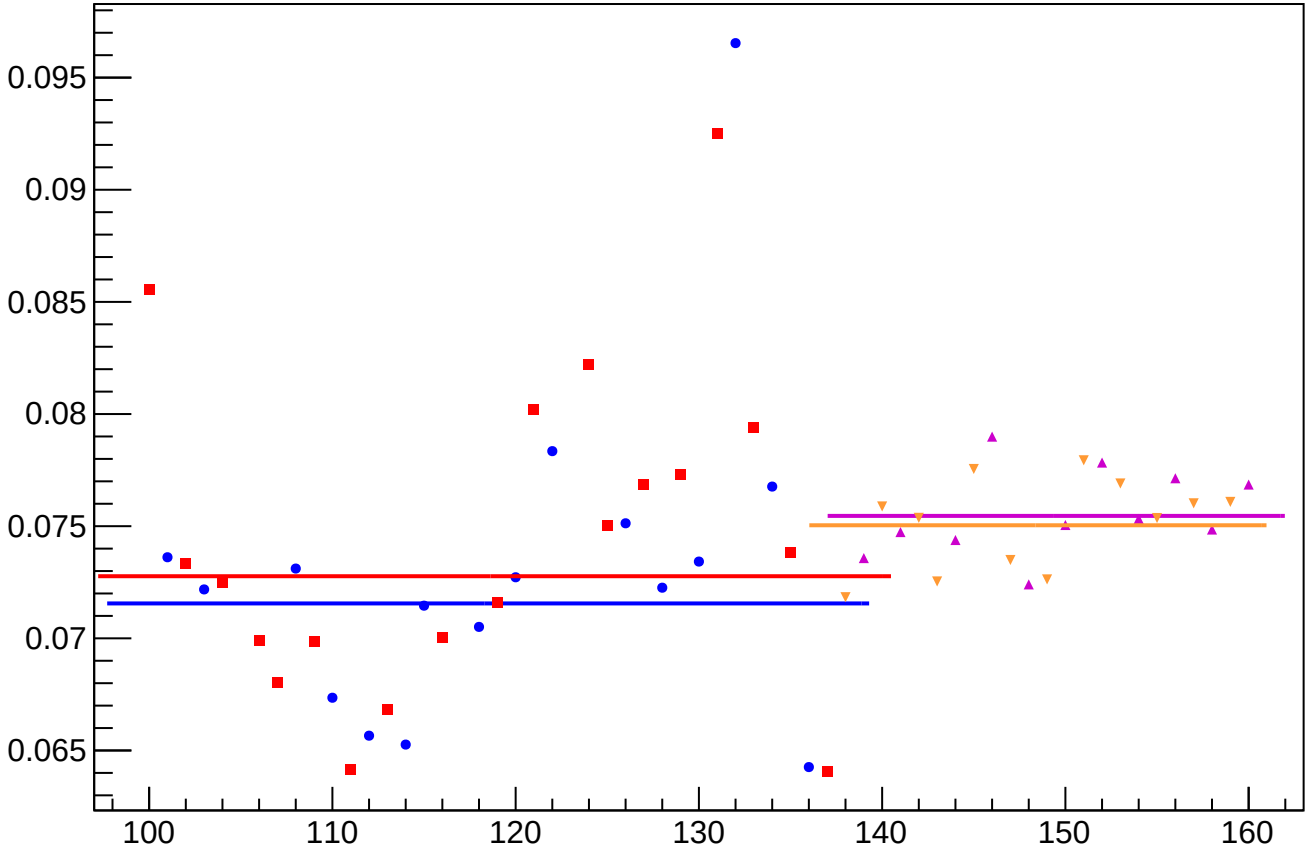
+ sign 0.004+/-0.000 χ^2/NDF: 1003804.3/27

All: 0.004+/-0.000 χ^2/NDF: 2106910.8/57

- sign 0.004+/-0.000 χ^2/NDF: 1098309.4/29


yield_bpm0r03X_mean vs Slug
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -1.048+/-0.000 χ²/NDF: 2347020985.5/15
Left Out: -0.886+/-0.000 χ²/NDF:4516599068.2/11
Right Out: -1.318+/-0.000 χ²/NDF: 1847995615.1/18
Left In: -0.842+/-0.000 χ²/NDF:3747398855.9/10
+ sign -0.959+/-0.000 χ²/NDF: 6883264755.9/27
All: -1.009+/-0.000 χ²/NDF: 12662566032.4/
- sign -1.059+/-0.000 χ²/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:13232.5/11

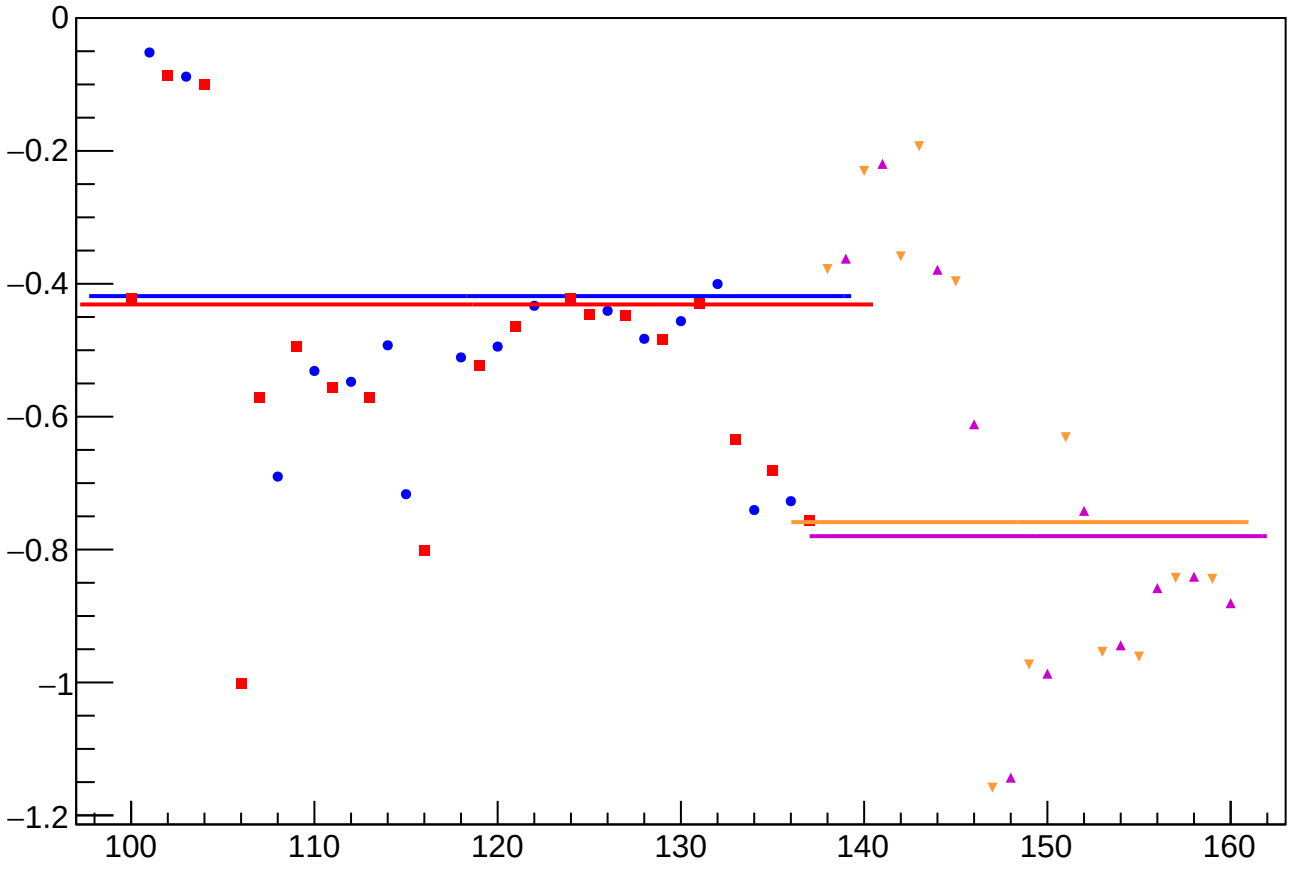
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:10893.9/10

+ sign 0.073+/-0.000 χ^2/NDF: 132688.3/27

All: 0.074+/-0.000 χ^2/NDF: 253035.5/57

- 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: -0.759+/-0.000 χ^2/NDF:13183572228.5/11

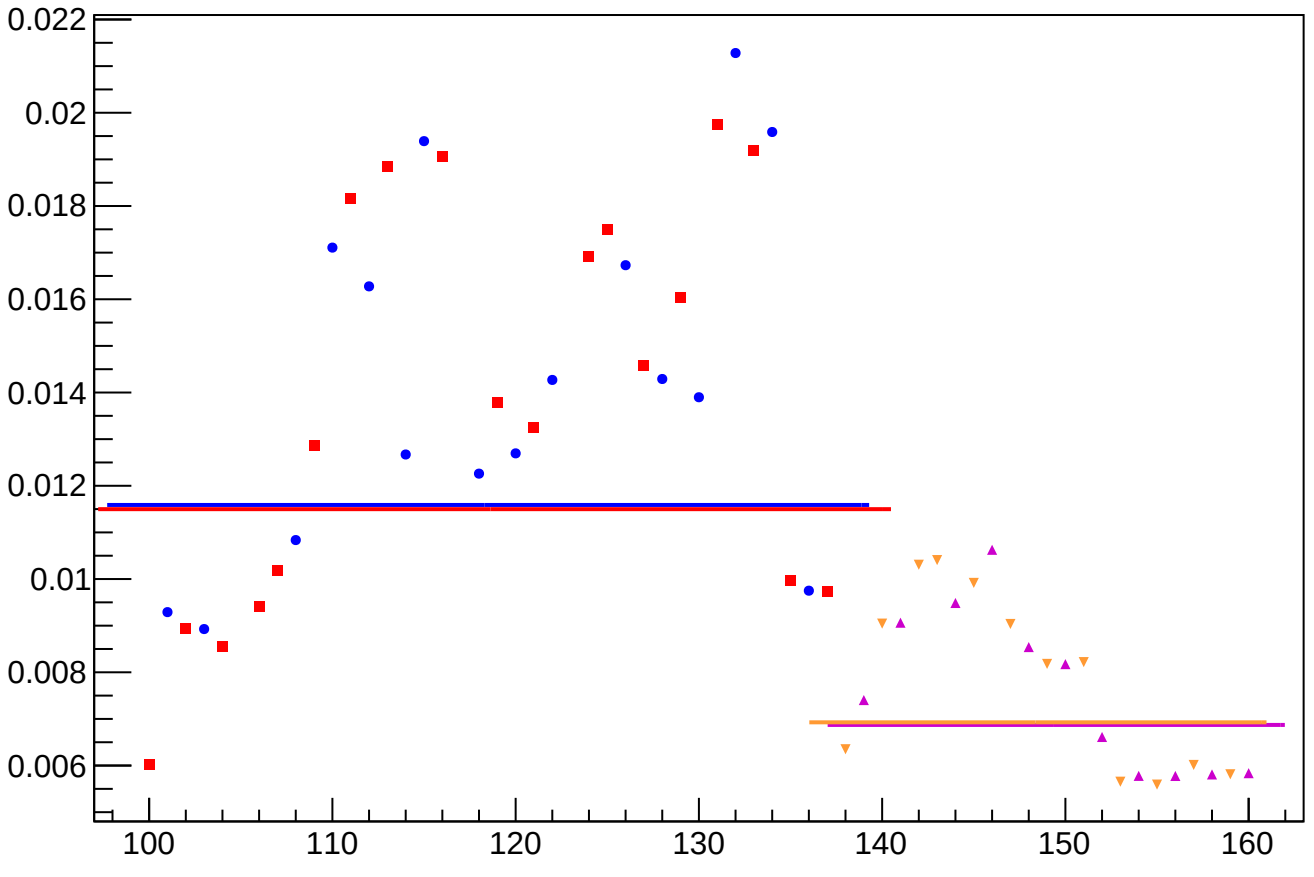
Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.780+/-0.000 χ^2/NDF:10231532257.9/10

+ sign -0.690+/-0.000 χ^2/NDF: 20349652397.1/27

All: -0.700+/-0.000 χ^2/NDF: 38232879407.1/

- 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:896492.7/11

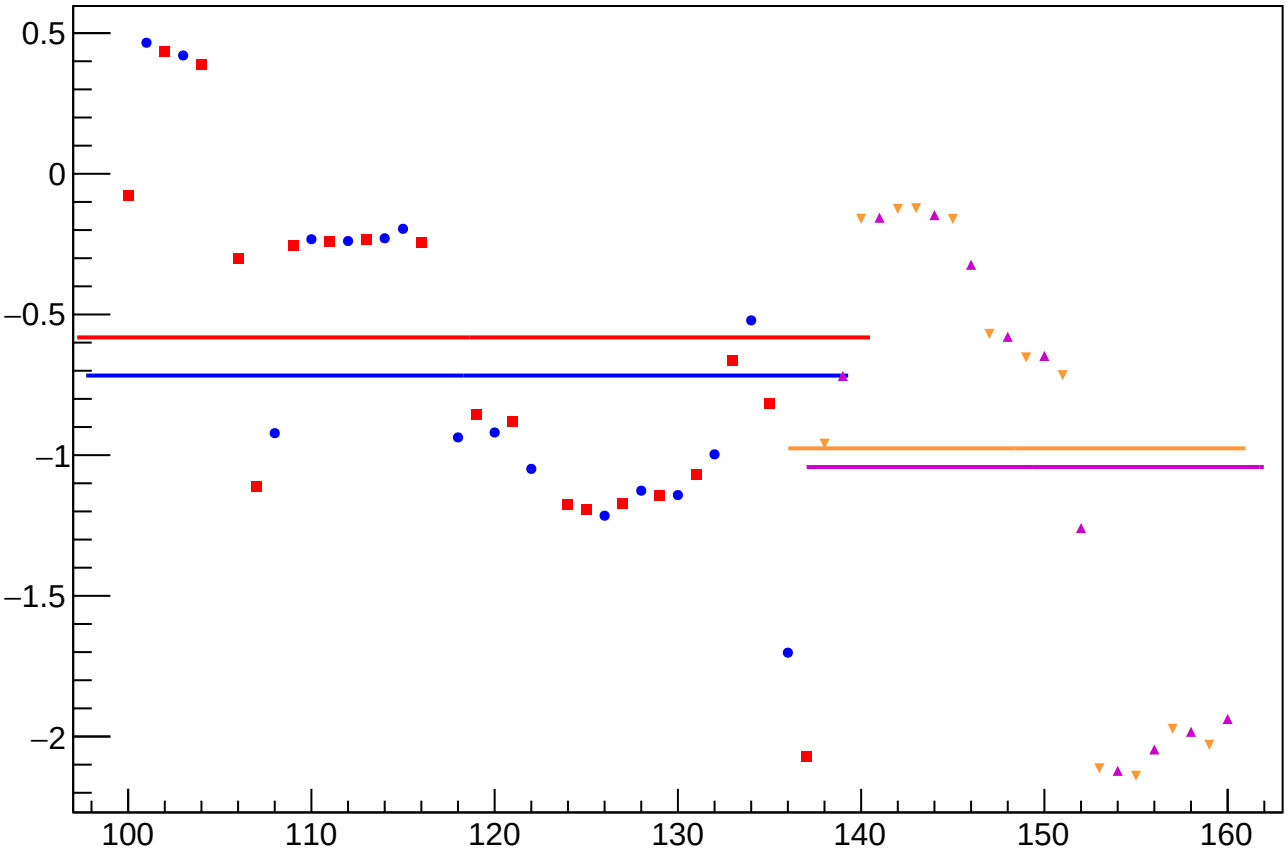
Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:739994.0/10

+ sign 0.008+/-0.000 χ^2/NDF: 3220867.5/27

All: 0.008+/-0.000 χ^2/NDF: 6680029.1/57

- sign 0.008+/-0.000 χ^2/NDF: 3458140.3/29



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.976+/-0.000 χ^2/NDF:829015319.7/11

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

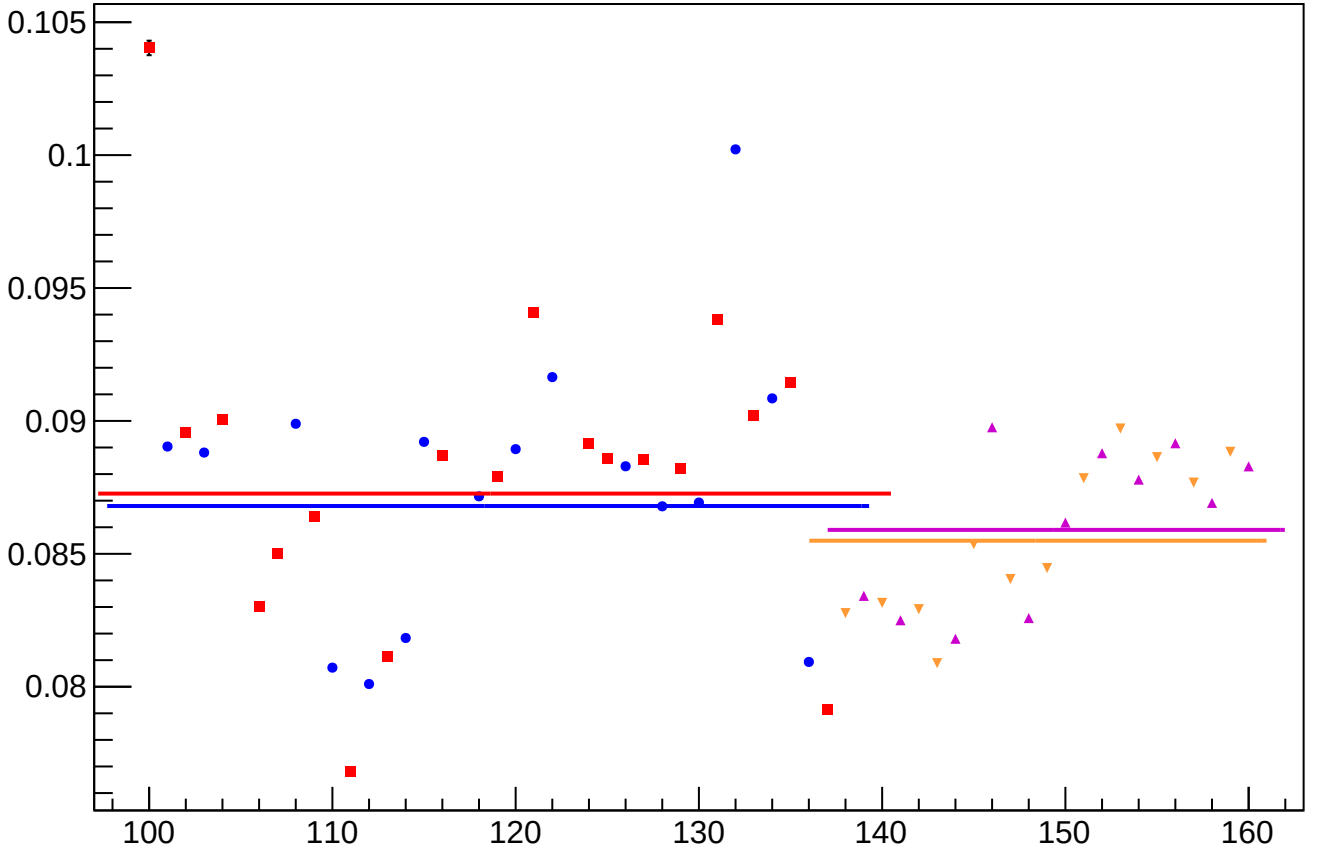
Left In: -1.042+/-0.000 χ^2/NDF:750810605.1/10

+ sign -0.866+/-0.000 χ^2/NDF: 1303152849.0/27

All: -0.855+/-0.000 χ^2/NDF: 2514307260.0/5

- 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: 0.085+/-0.000 χ^2/NDF:20136.9/11

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

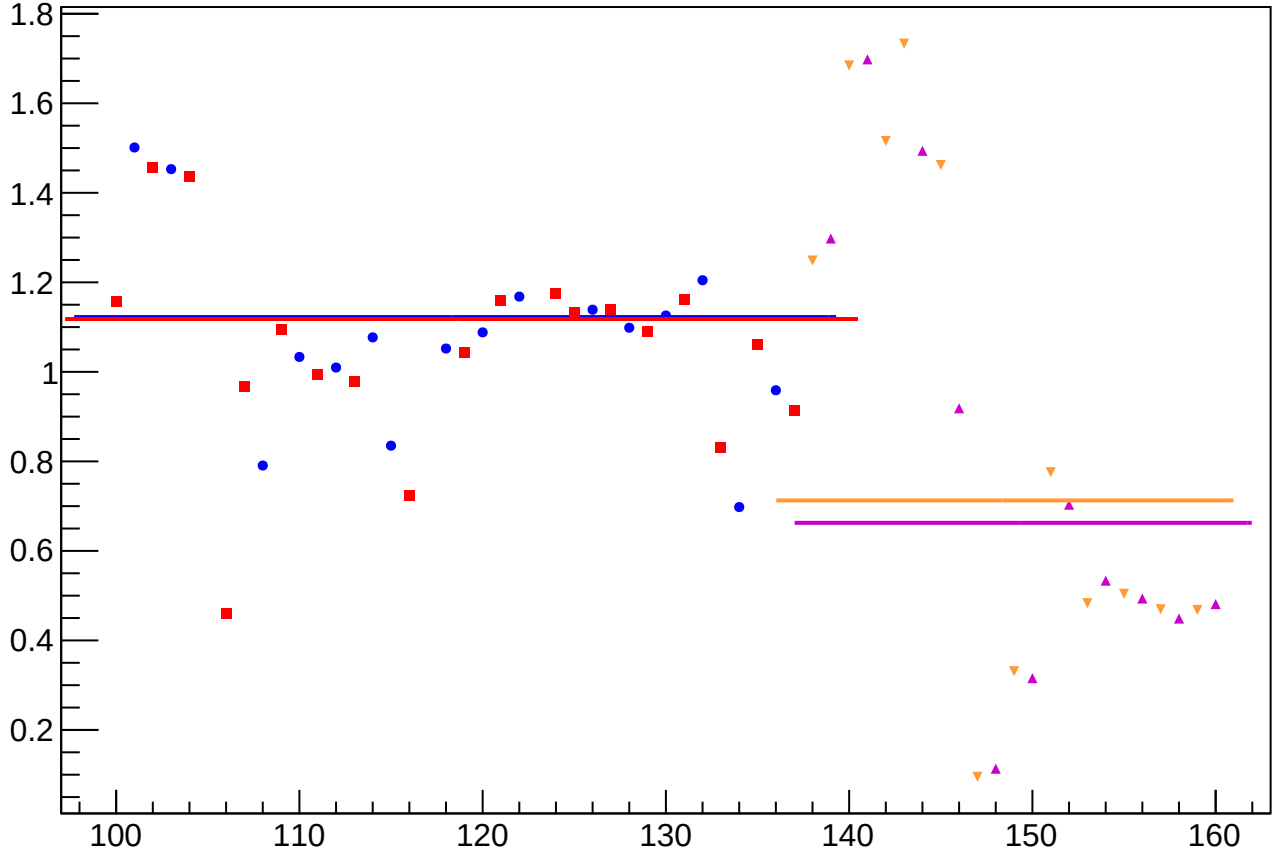
Left In: 0.086+/-0.000 χ^2/NDF:21118.9/10

+ sign 0.086+/-0.000 χ^2/NDF: 65582.7/27

All: 0.086+/-0.000 χ^2/NDF: 135379.5/57

- 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: 0.713+/-0.000 χ^2/NDF:26400728278.5/11

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

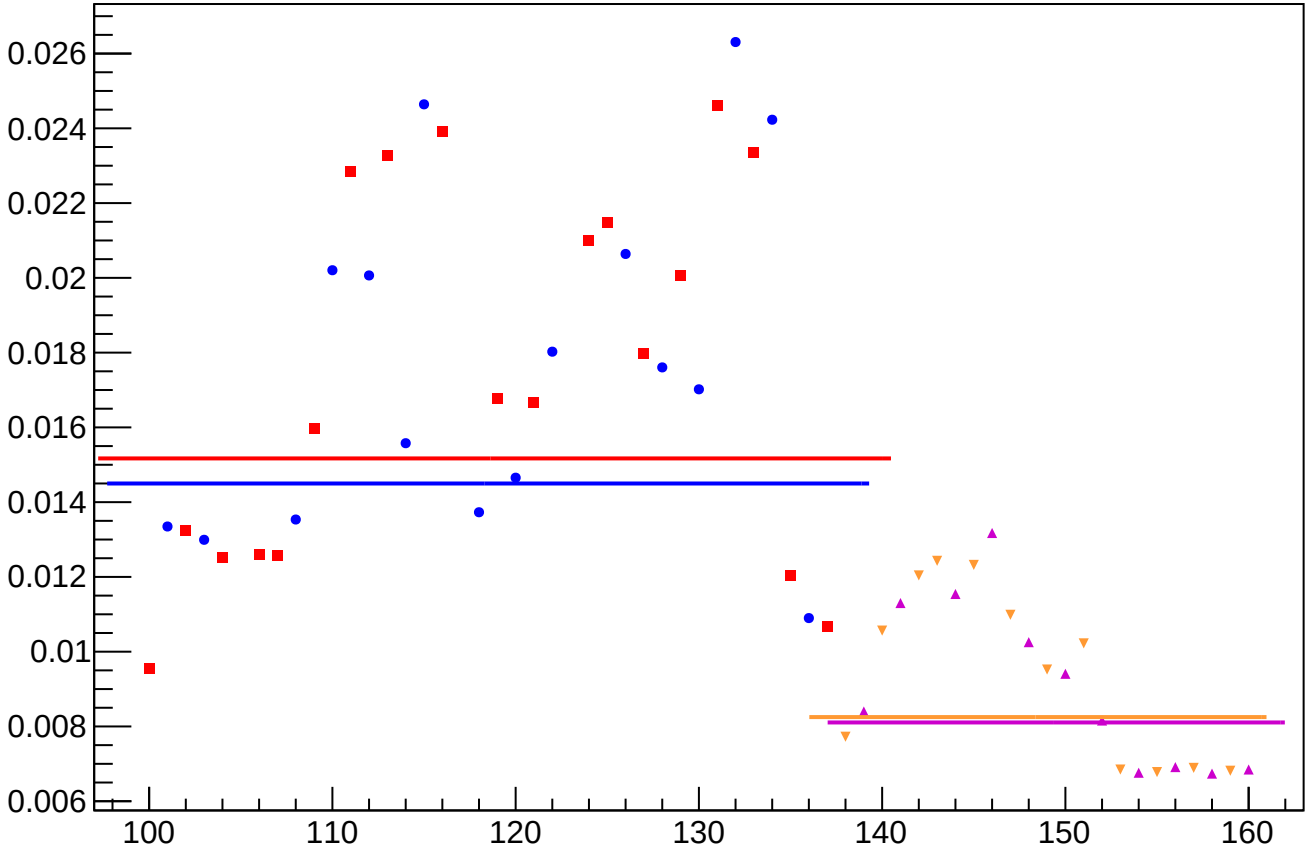
Left In: 0.663+/-0.000 χ^2/NDF:21312914940.6/10

+ sign 0.789+/-0.000 χ^2/NDF: 31738281842.4/27

All: 0.764+/-0.000 χ^2/NDF: 59392458883.6/5

- 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:941041.1/11

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

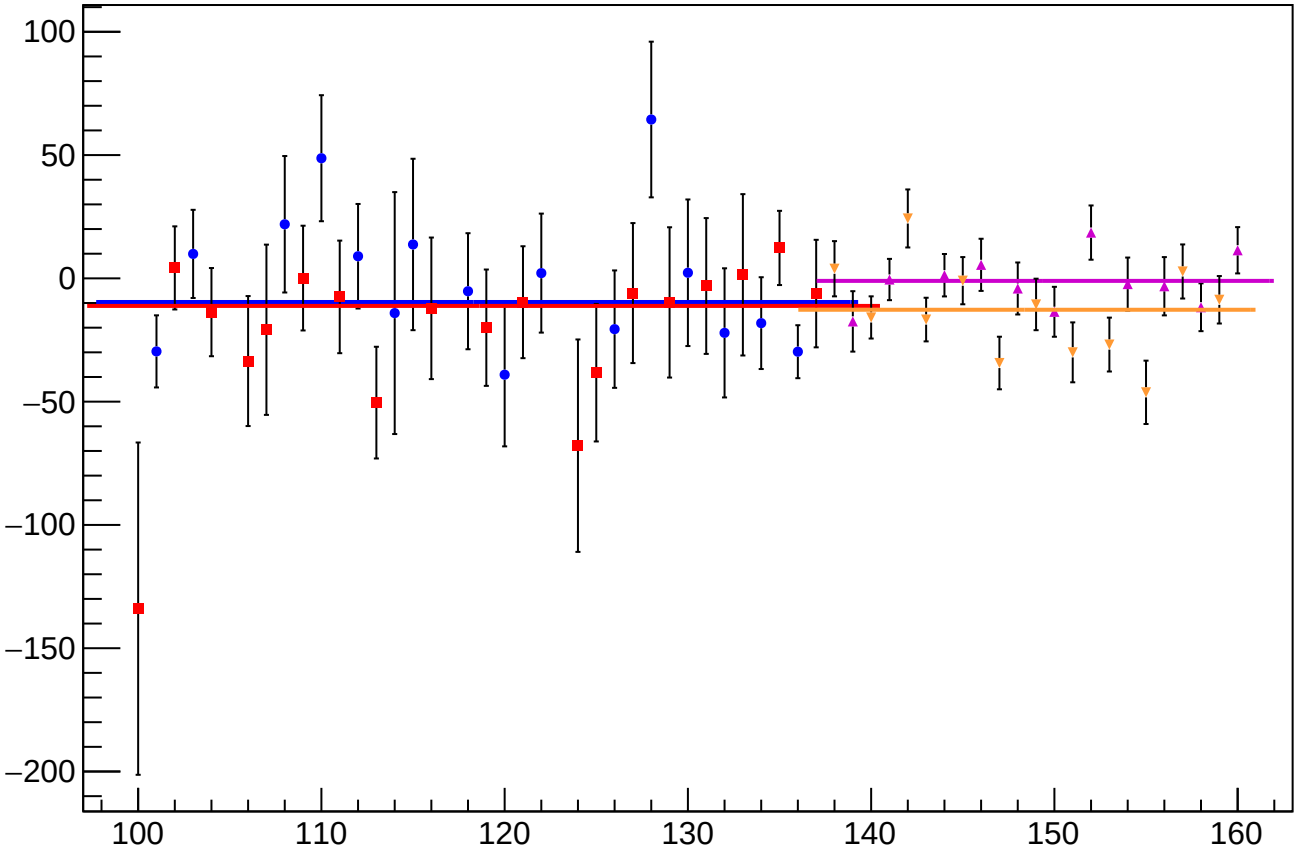
Left In: 0.008+/-0.000 χ^2/NDF:838731.8/10

+ sign 0.009+/-0.000 χ^2/NDF: 3458468.1/27

All: 0.009+/-0.000 χ^2/NDF: 7371265.7/57

- 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: -12.733+/-3.004 χ^2/NDF:30.8/11

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

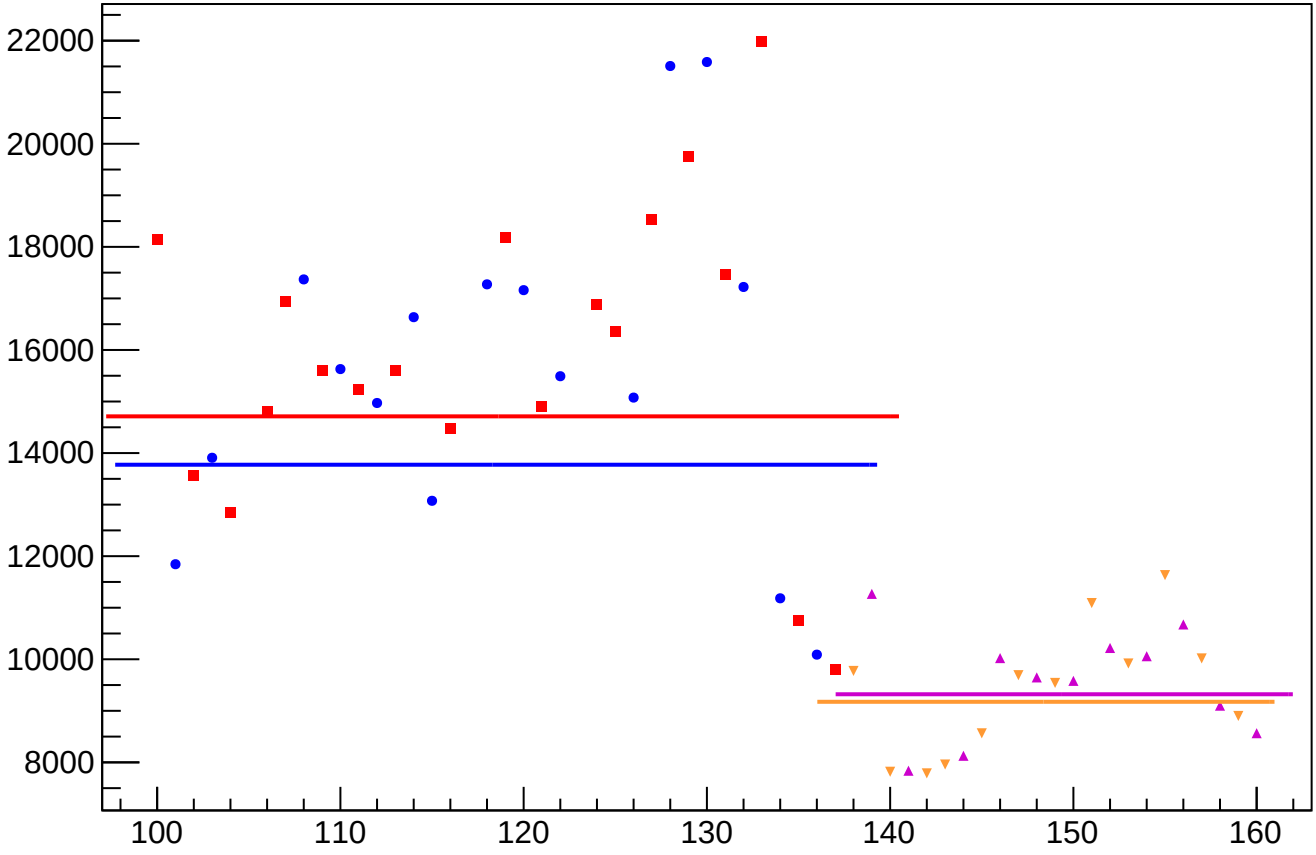
Left In: -1.021+/-3.040 χ^2/NDF:10.1/10

+ sign -11.965+/-2.612 χ^2/NDF: 53.0/27

All: -7.761+/-1.864 χ^2/NDF: 84.8/57

- 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: 9175.189+/-2.124 χ^2/NDF:282518.8/11

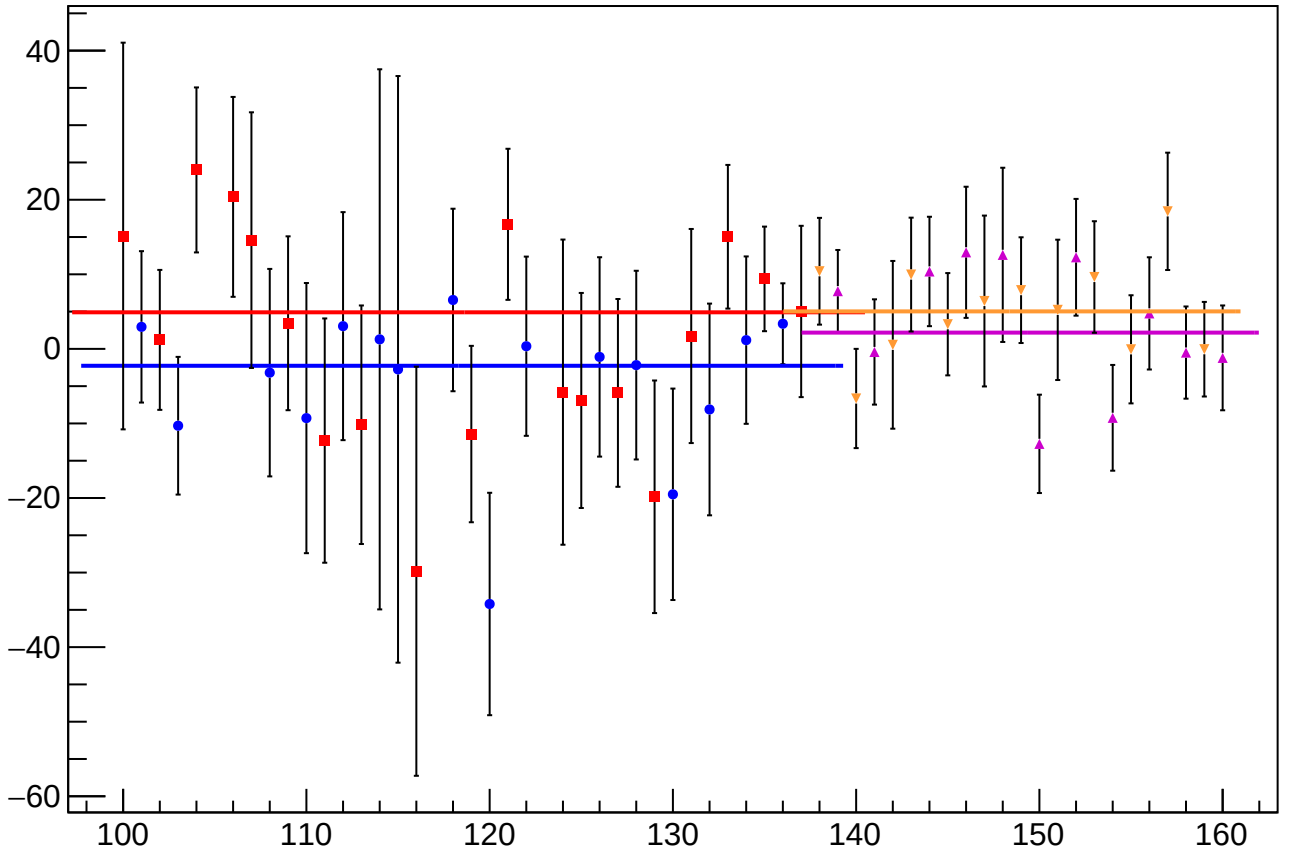
Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9321.353+/-2.150 χ^2/NDF:226848.5/10

+ sign 10296.370+/-1.847 χ^2/NDF: 2172746.6/27

All: 10437.554+/-1.318 χ^2/NDF: 4441698.0/5

- sign 10583.978+/-1.881 χ^2/NDF: 2257051.2/29



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 5.027+/-2.208 χ^2/NDF:8.9/11

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

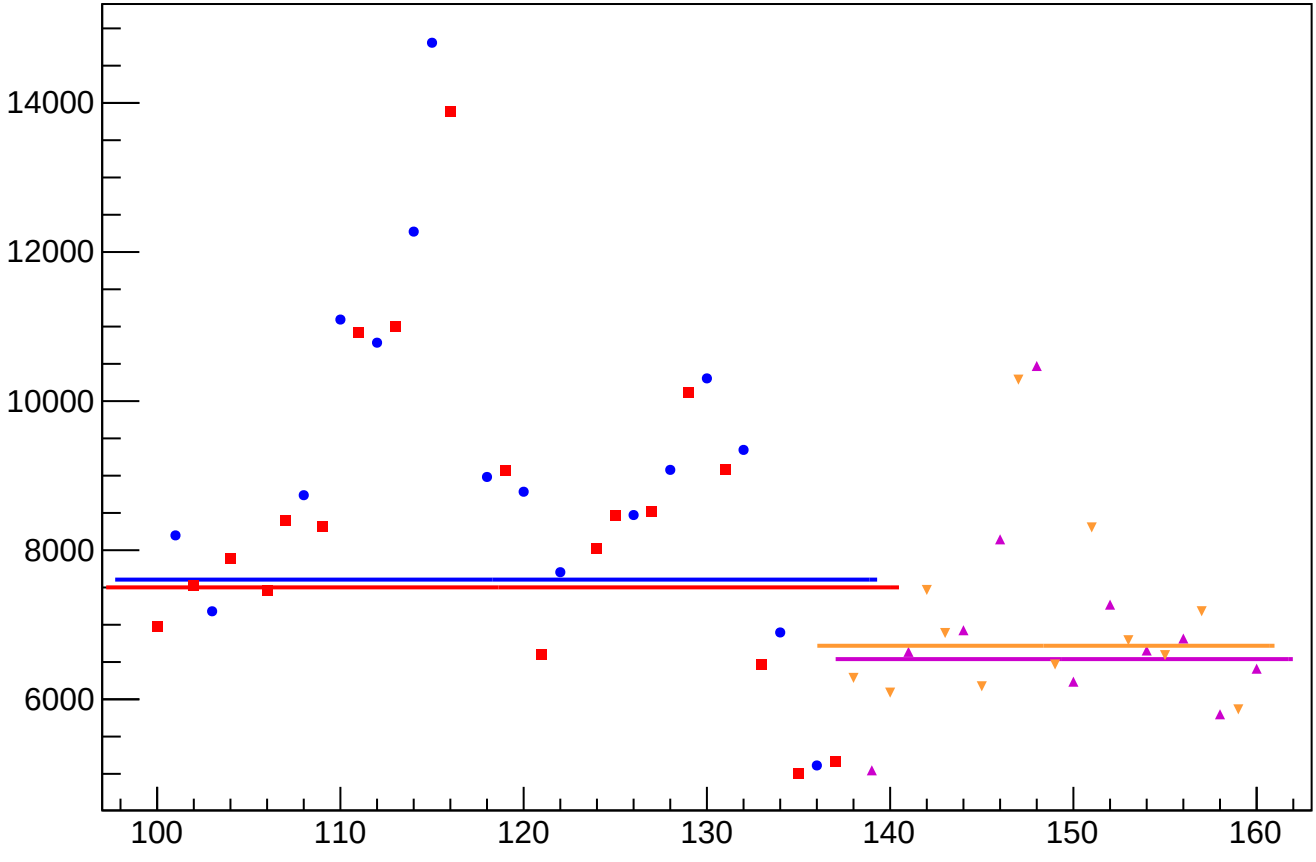
Left In: 2.181+/-2.157 χ^2/NDF:14.6/10

+ sign 2.376+/-1.762 χ^2/NDF: 22.1/27

All: 2.788+/-1.230 χ^2/NDF: 55.0/57

- 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: 6718.244+/-1.561 χ^2/NDF:345036.6/11

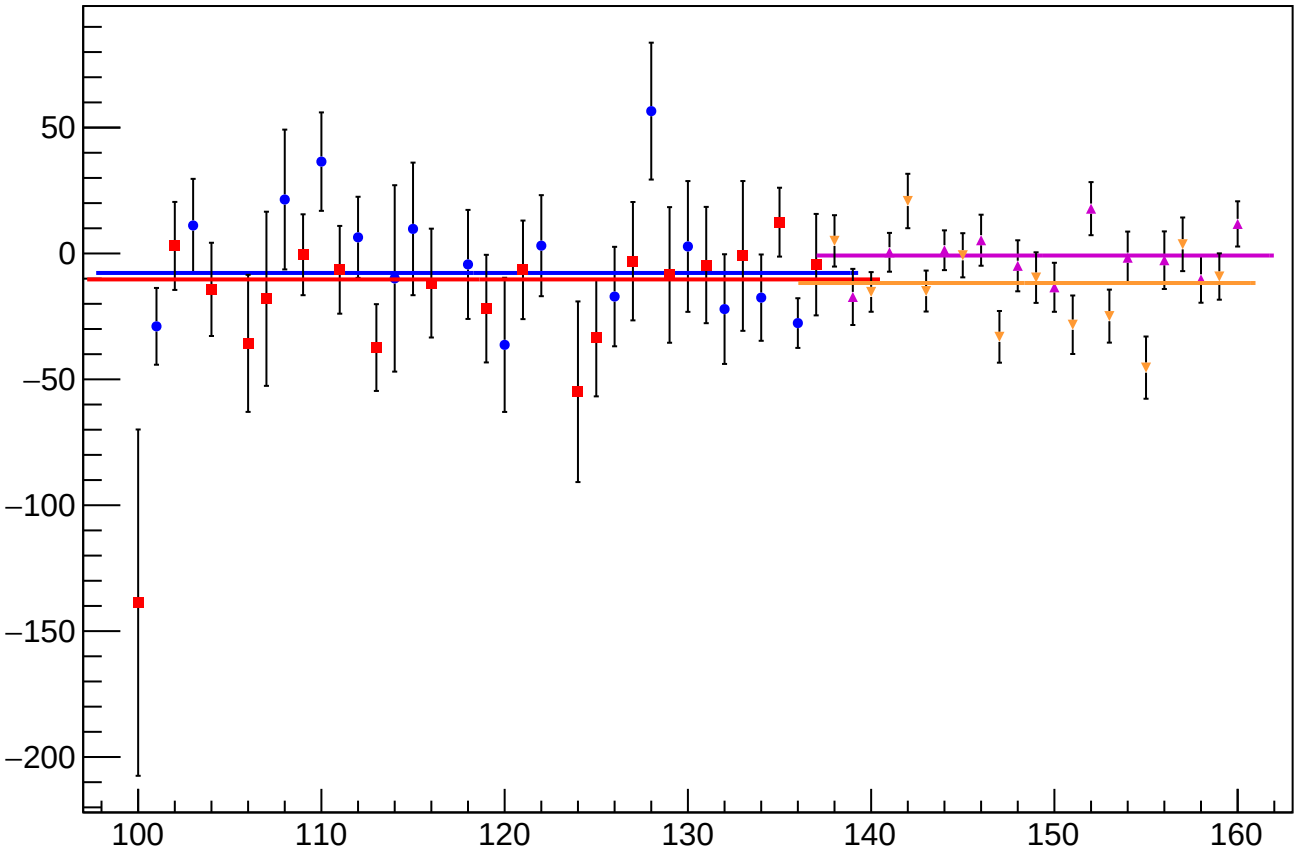
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6539.157+/-1.525 χ^2/NDF:499487.3/10

+ sign 7040.802+/-1.246 χ^2/NDF: 1353959.5/27

All: 6964.400+/-0.869 χ^2/NDF: 2830248.2/57

- 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: -11.730+/-2.824 χ^2/NDF:31.2/11

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

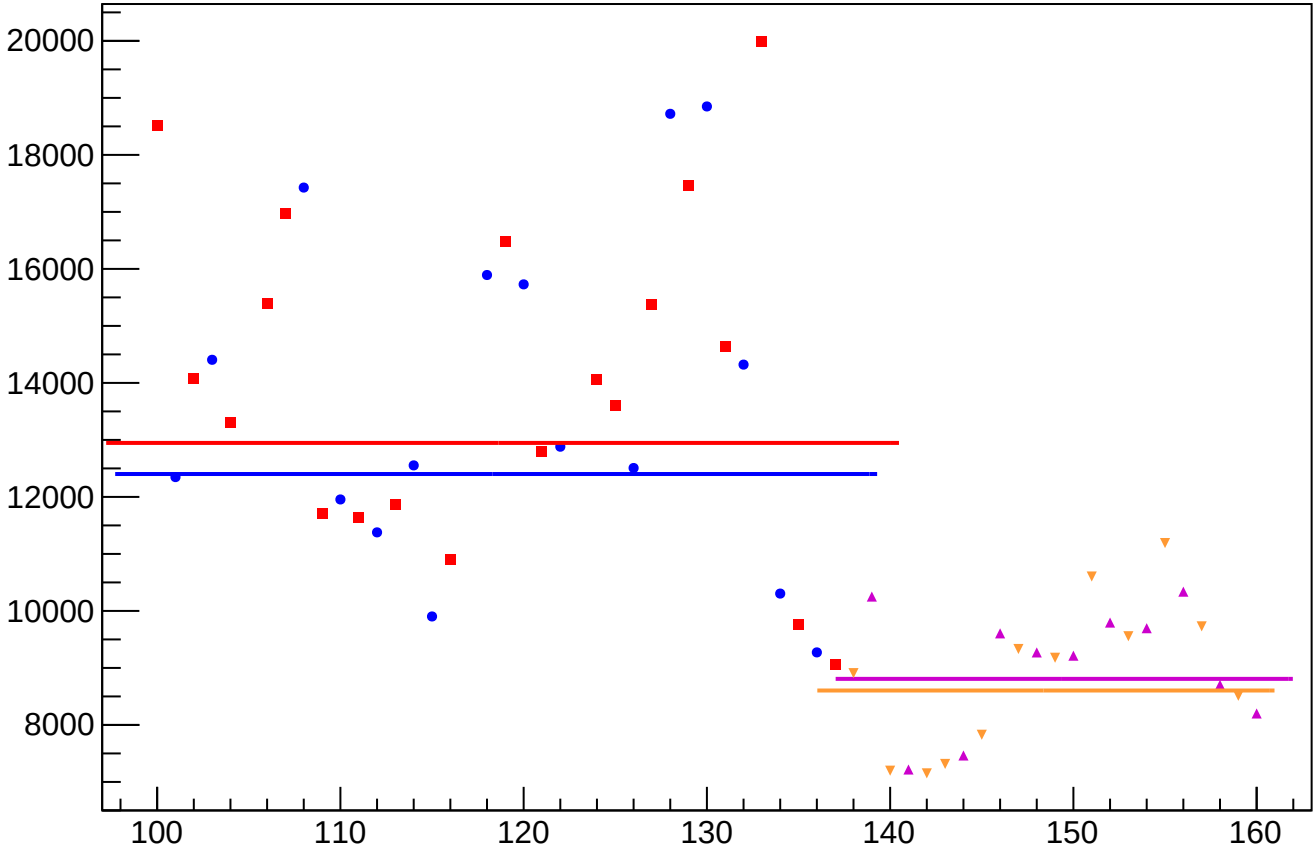
Left In: -0.815+/-2.876 χ^2/NDF:10.6/10

\+ sign -10.688+/-2.427 χ^2/NDF: 54.4/27

All: -7.059+/-1.732 χ^2/NDF: 86.4/57

\- 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: 8603.963+/-1.997 χ^2/NDF:369904.3/11

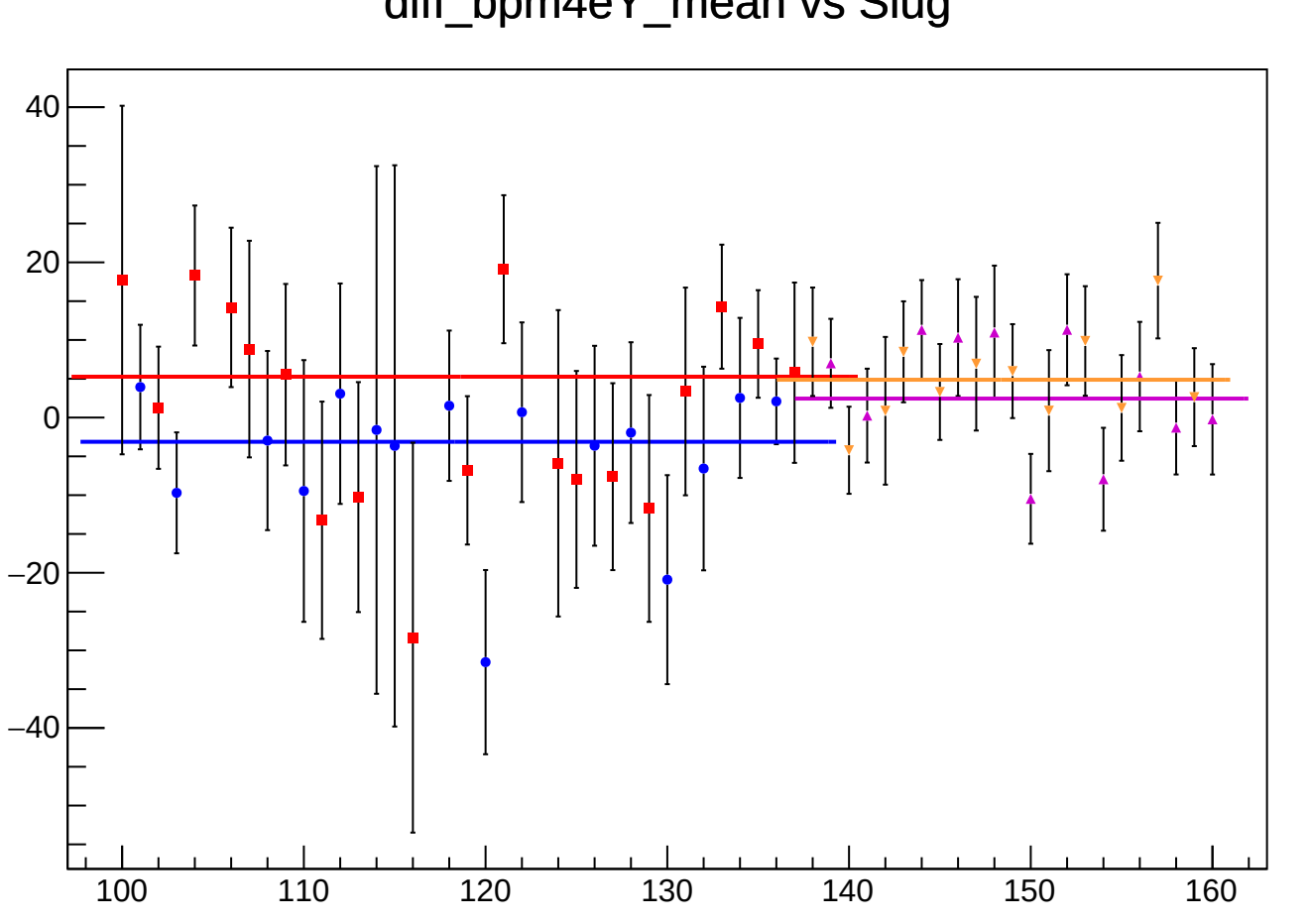
Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8808.151+/-2.034 χ^2/NDF:274042.8/10

+ sign 9596.387+/-1.716 χ^2/NDF: 1993371.4/27

All: 9739.716+/-1.225 χ^2/NDF: 3917883.1/57

- sign 9888.444+/-1.748 χ^2/NDF: 1910301.0/29



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.873+/-1.980 χ^2/NDF:7.9/11

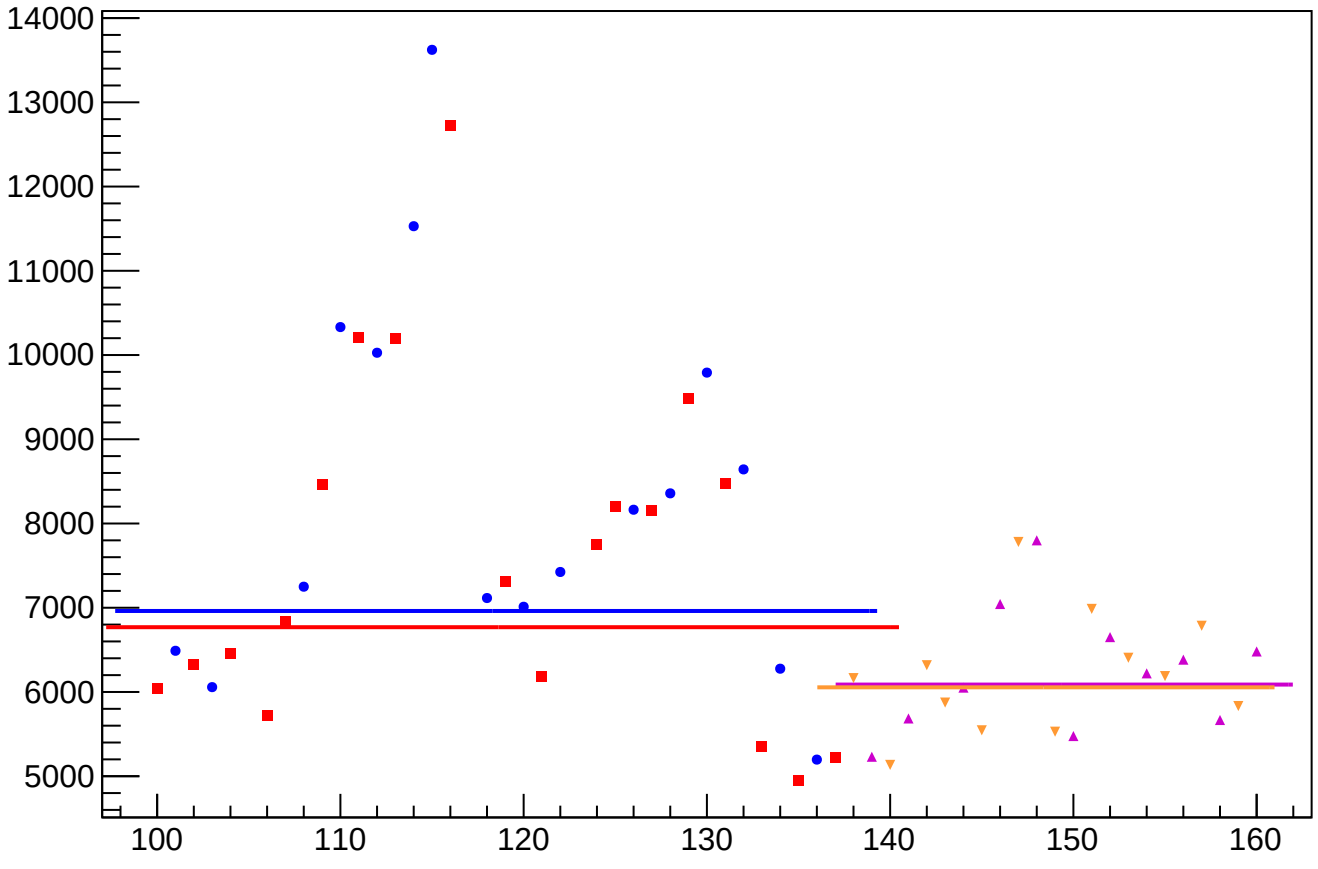
Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: 2.445+/-1.990 χ^2/NDF:14.4/10

+ sign 2.016+/-1.587 χ^2/NDF: 24.6/27

All: 2.772+/-1.116 χ^2/NDF: 57.1/57

- sign 3.510+/-1.569 χ^2/NDF: 32.1/29



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6055.122+/-1.400 χ^2/NDF:222409.1/11

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

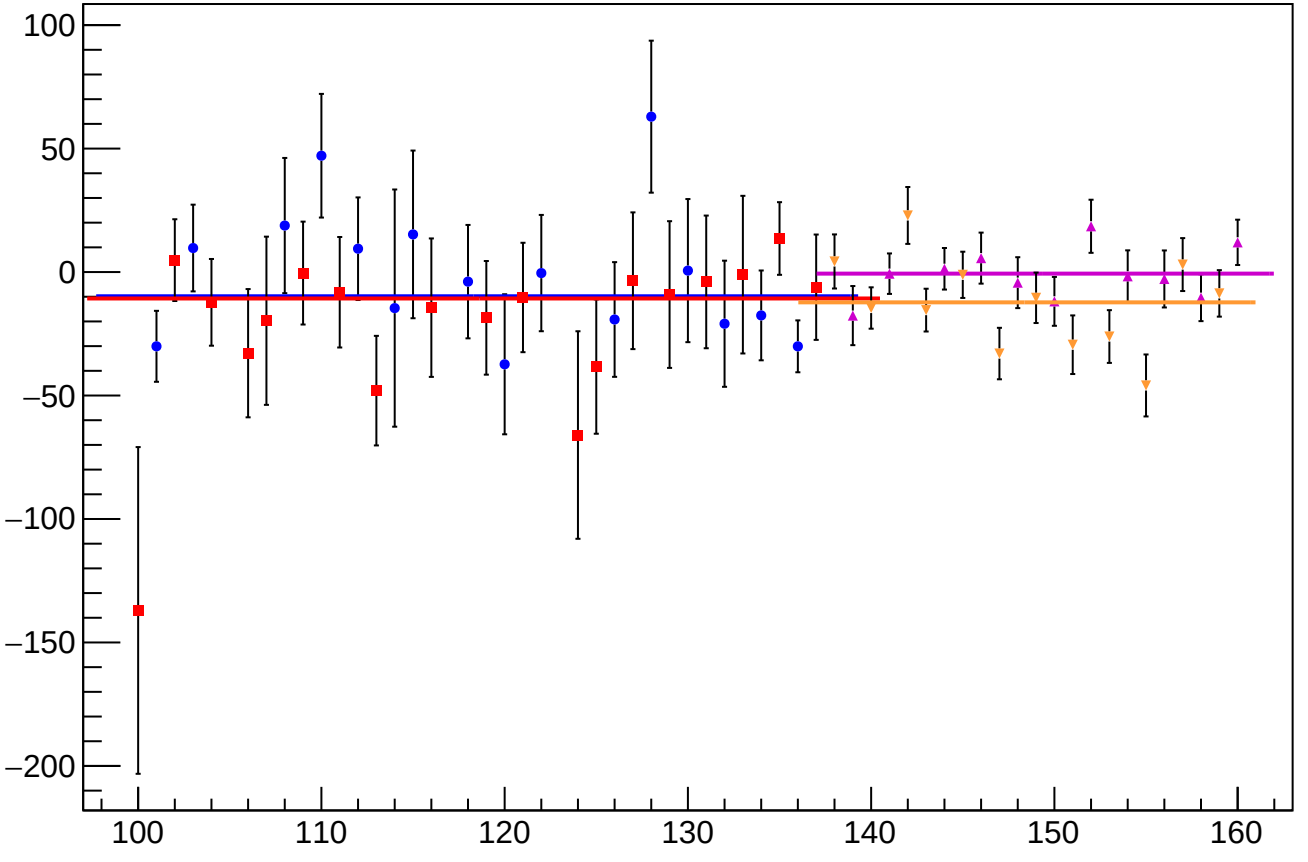
Left In: 6087.940+/-1.407 χ^2/NDF:219649.0/10

+ sign 6378.988+/-1.122 χ^2/NDF: 1068590.0/27

All: 6361.931+/-0.789 χ^2/NDF: 2175349.6/57

- 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: -12.271+/-2.938 χ^2/NDF:30.4/11

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

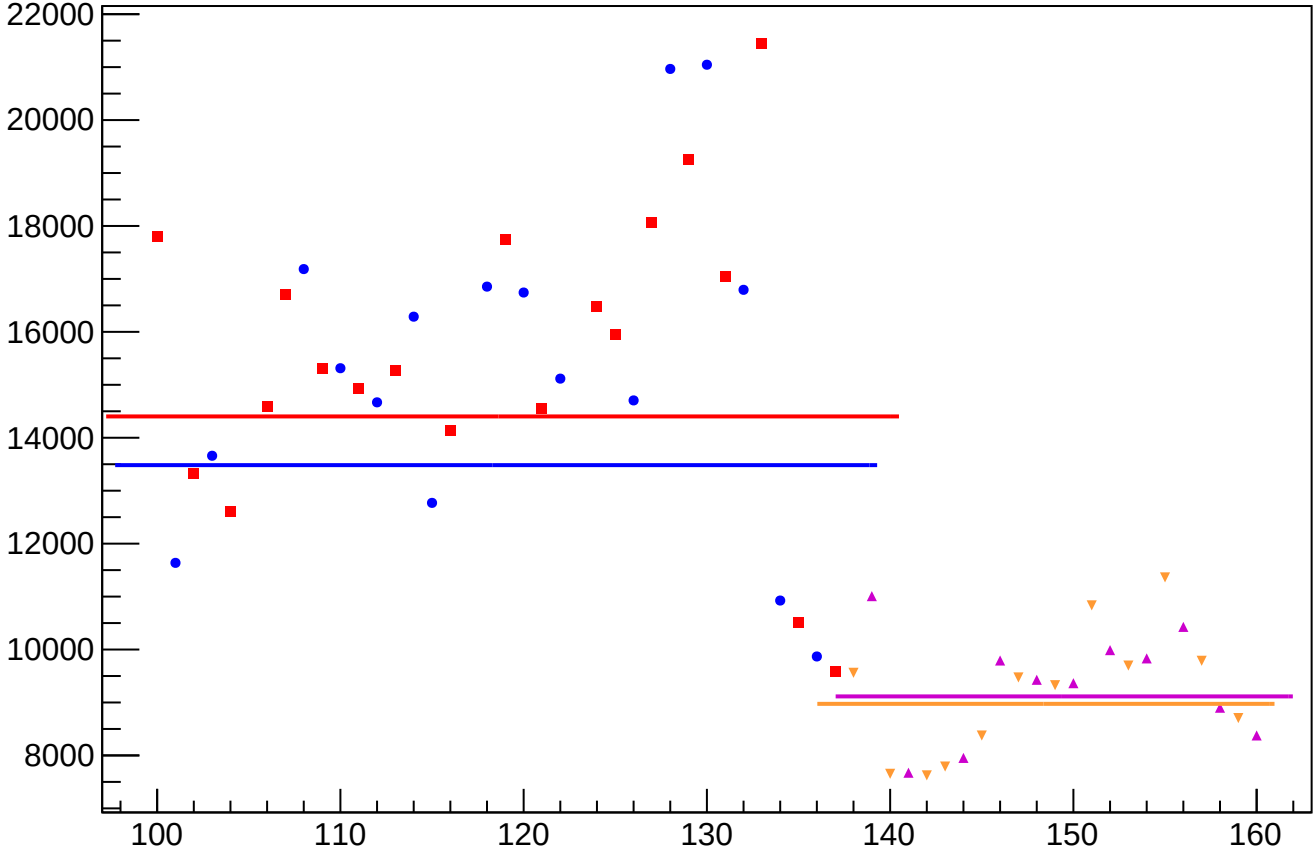
Left In: -0.637+/-2.972 χ^2/NDF:10.0/10

+ sign -11.672+/-2.555 χ^2/NDF: 52.6/27

All: -7.409+/-1.823 χ^2/NDF: 85.3/57

- 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: 8974.163+/-2.077 χ^2/NDF:279368.1/11

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

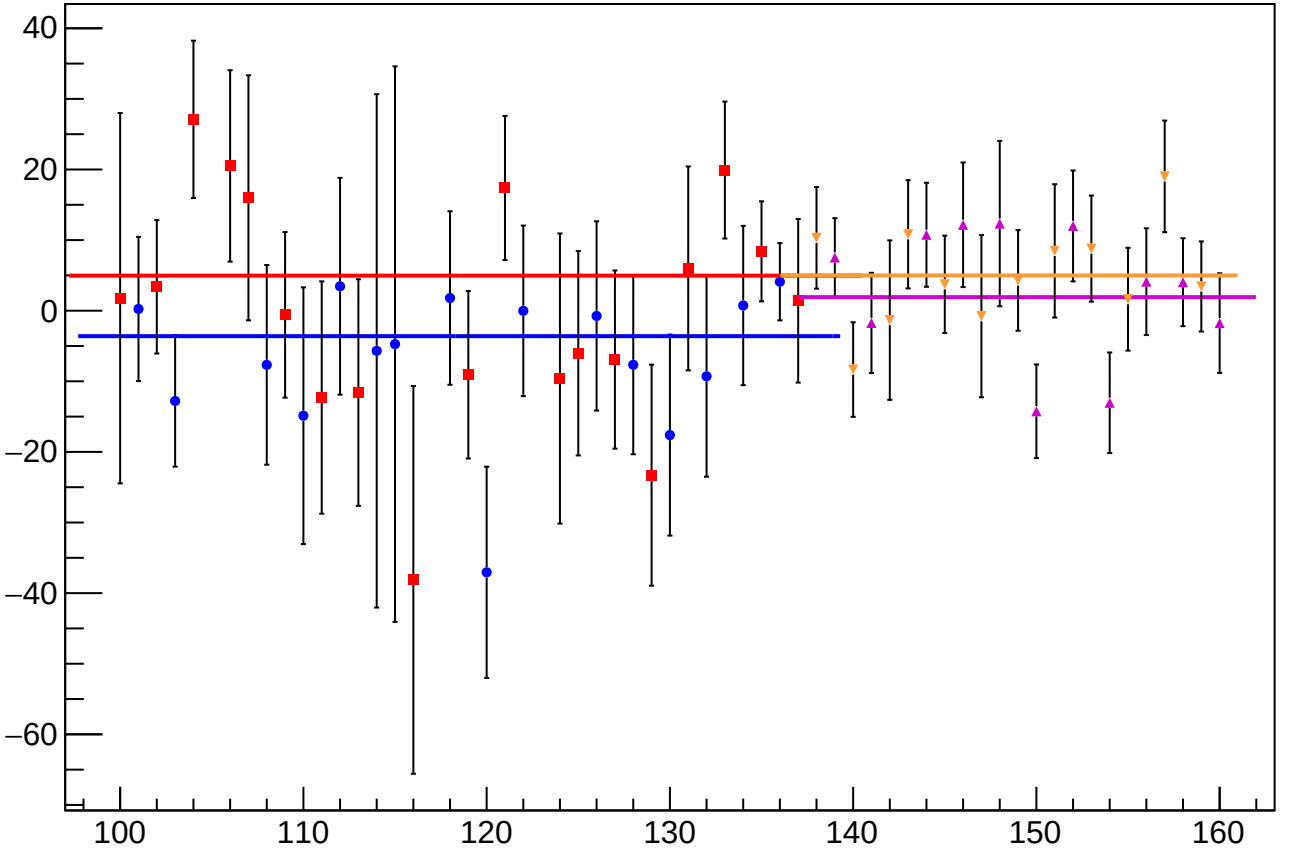
Left In: 9114.883+/-2.102 χ^2/NDF:224106.0/10

+ sign 10072.111+/-1.807 χ^2/NDF: 2170171.6/27

All: 10209.205+/-1.289 χ^2/NDF: 4438366.3/5

- 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: 4.992+/-2.219 χ^2/NDF:9.5/11

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

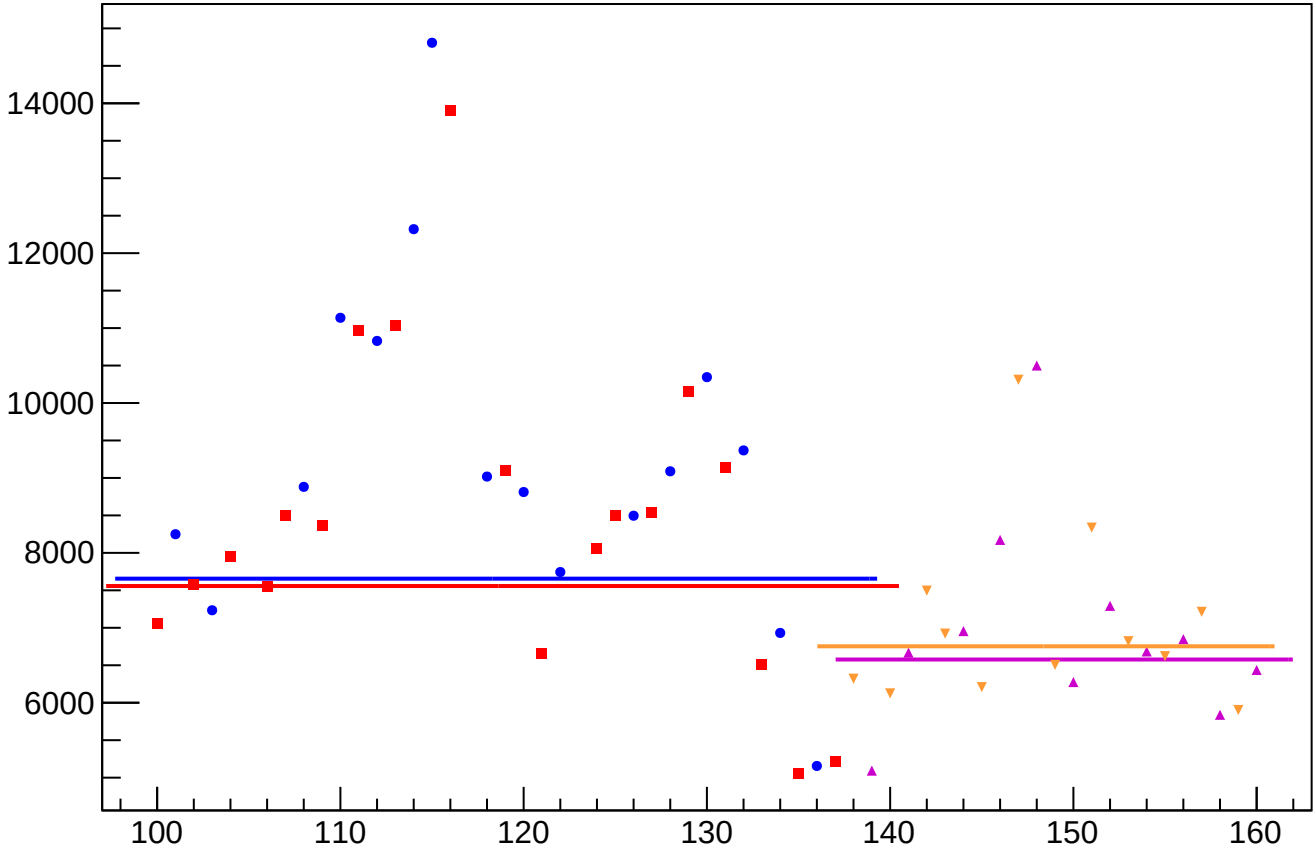
Left In: 1.919+/-2.169 χ^2/NDF:17.3/10

+ sign 1.872+/-1.771 χ^2/NDF: 25.4/27

All: 2.467+/-1.236 χ^2/NDF: 65.1/57

- 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: 6753.007+/-1.569 χ^2/NDF:340811.8/11

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

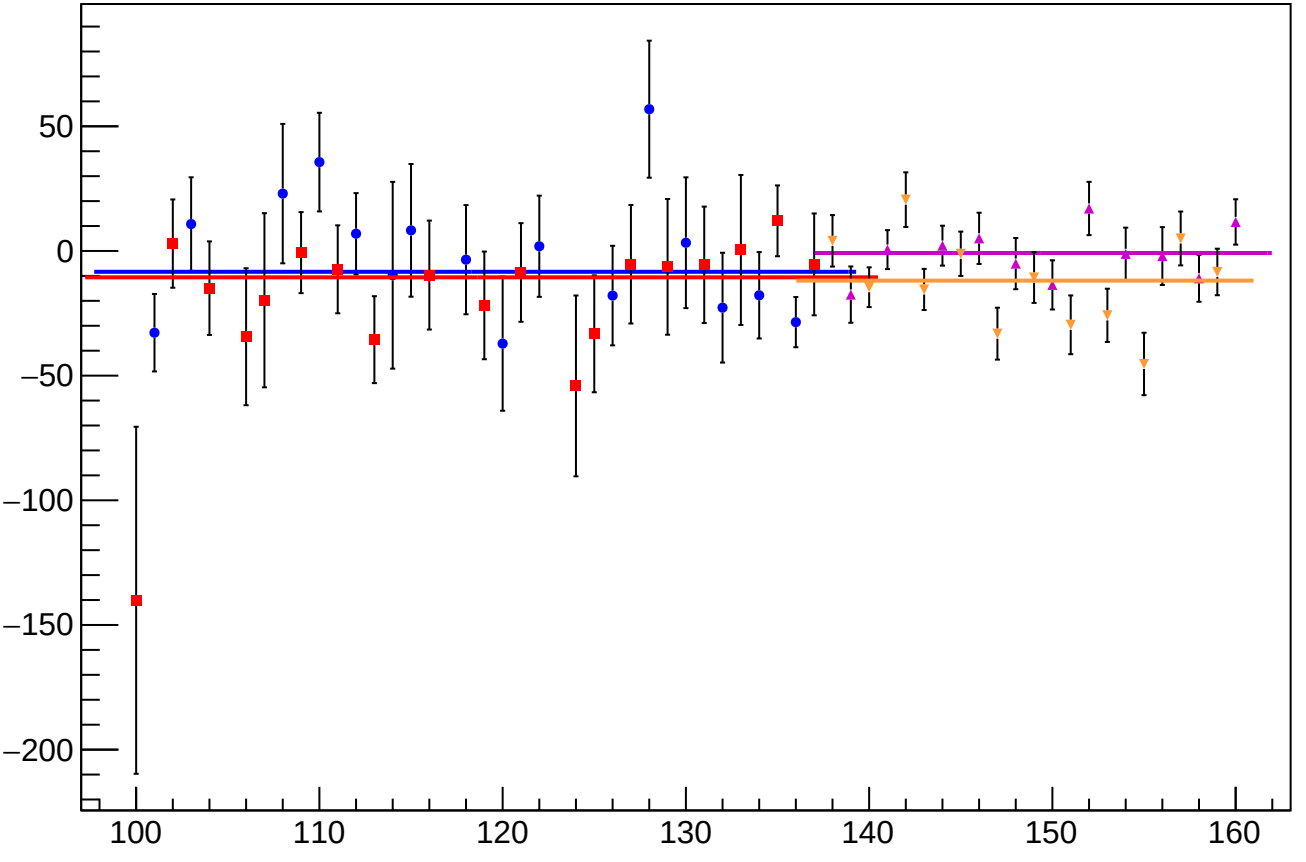
Left In: 6576.637+/-1.533 χ^2/NDF:490058.3/10

+ sign 7080.671+/-1.252 χ^2/NDF: 1340743.8/27

All: 7006.213+/-0.874 χ^2/NDF: 2797228.9/57

- 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: -11.886+/-2.862 χ^2/NDF:30.8/11

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

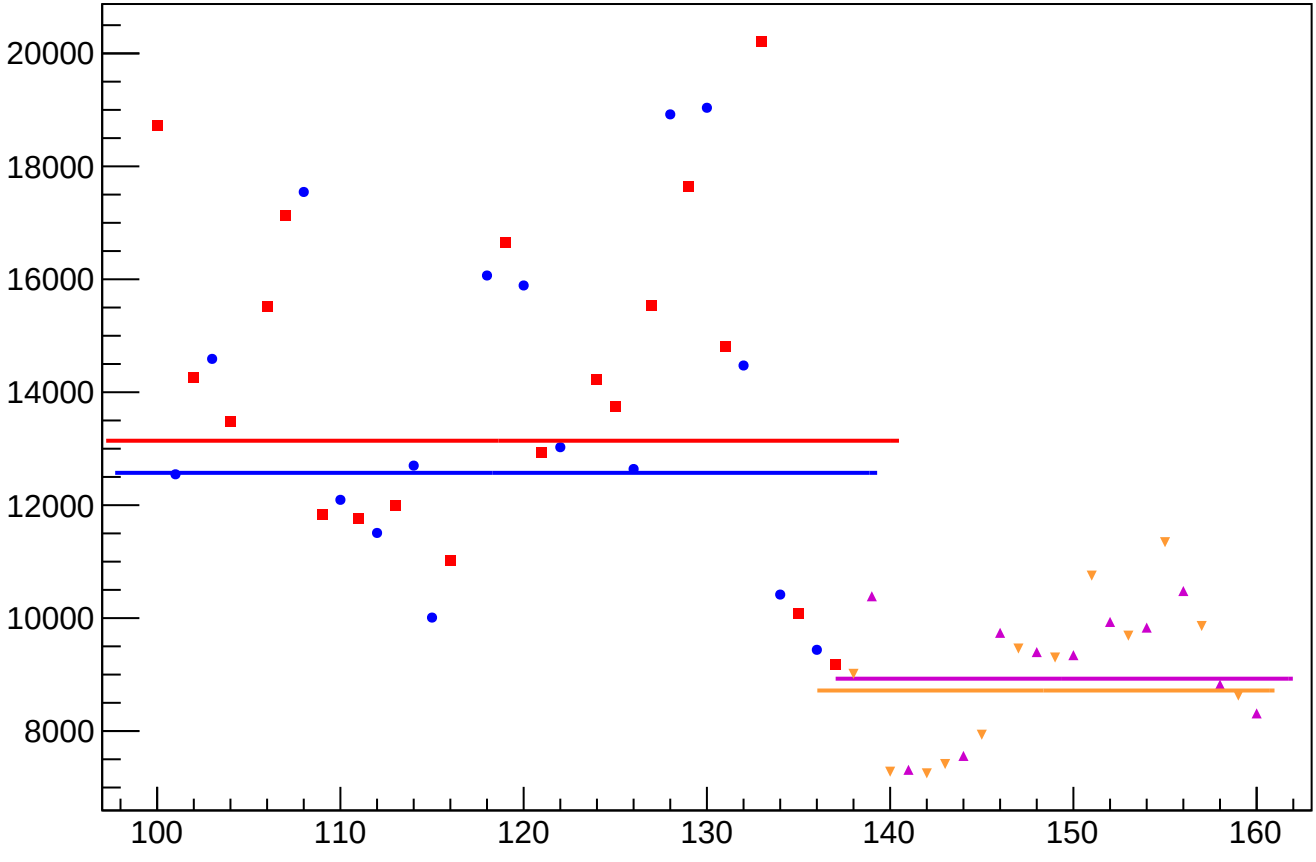
Left In: -0.807+/-2.915 χ^2/NDF:10.4/10

+ sign -10.963+/-2.460 χ^2/NDF: 54.4/27

All: -7.229+/-1.756 χ^2/NDF: 85.3/57

- 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: 8718.059+/-2.024 χ^2/NDF:371440.3/11

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

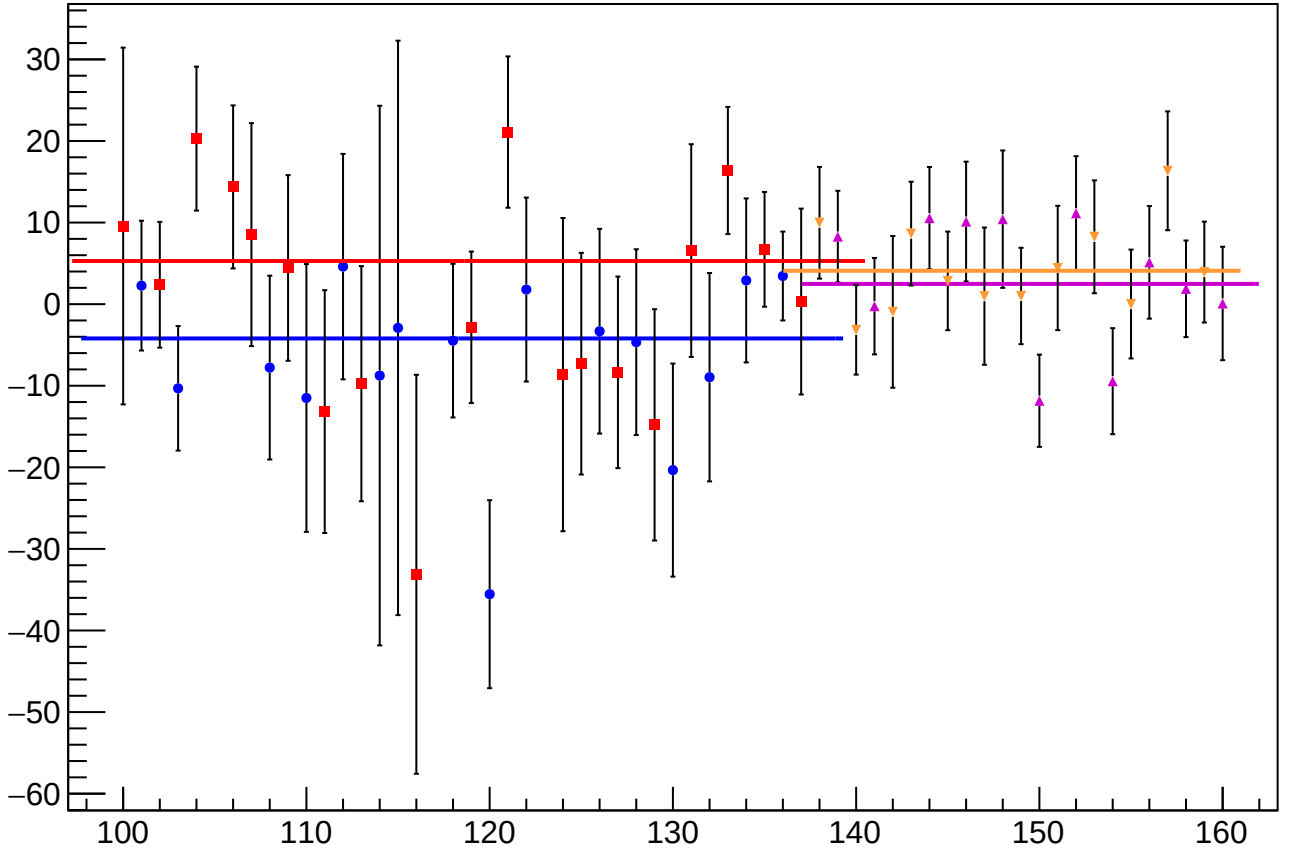
Left In: 8927.354+/-2.061 χ^2/NDF:275139.3/10

+ sign 9724.564+/-1.739 χ^2/NDF: 1983964.8/27

All: 9872.102+/-1.241 χ^2/NDF: 3897360.7/57

- 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: 4.091+/-1.937 χ^2/NDF:7.3/11

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

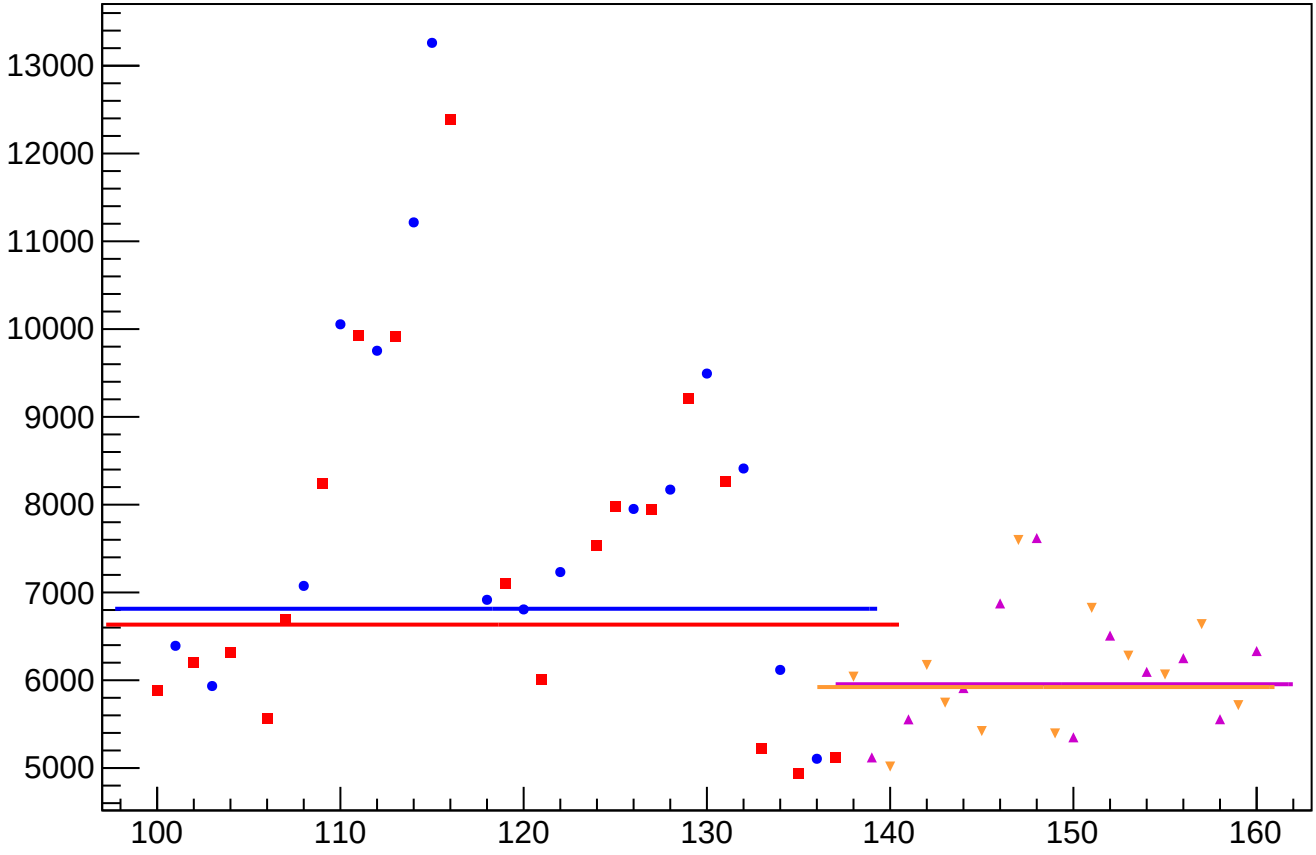
Left In: 2.481+/-1.946 χ^2/NDF:16.5/10

+ sign 1.132+/-1.553 χ^2/NDF: 27.7/27

All: 2.349+/-1.092 χ^2/NDF: 65.9/57

- 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: 5922.493+/-1.369 χ^2/NDF:223128.4/11

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

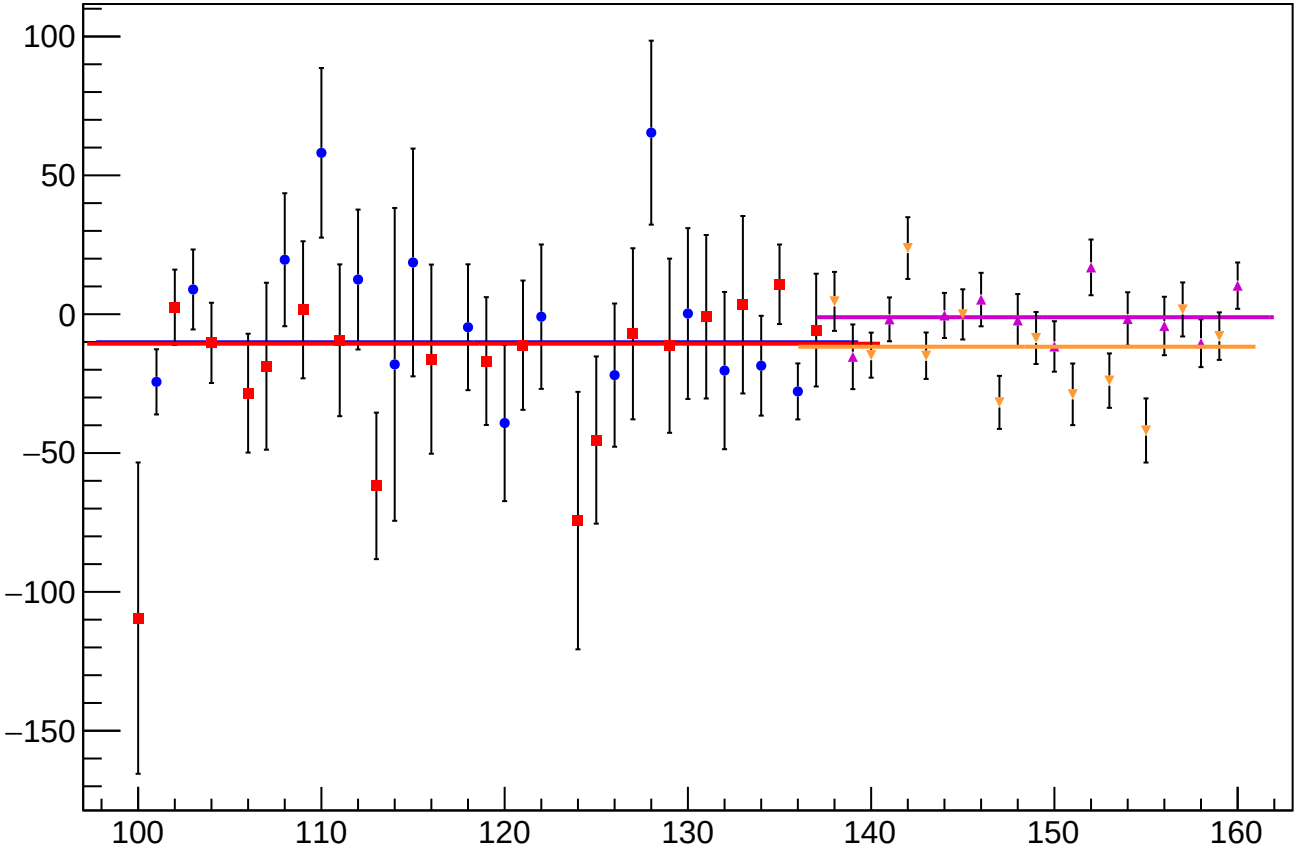
Left In: 5954.571+/-1.376 χ^2/NDF:218040.7/10

+ sign 6240.668+/-1.098 χ^2/NDF: 1048525.0/27

All: 6225.430+/-0.772 χ^2/NDF: 2122109.1/57

- 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: -11.713+/-2.759 χ^2/NDF:31.9/11

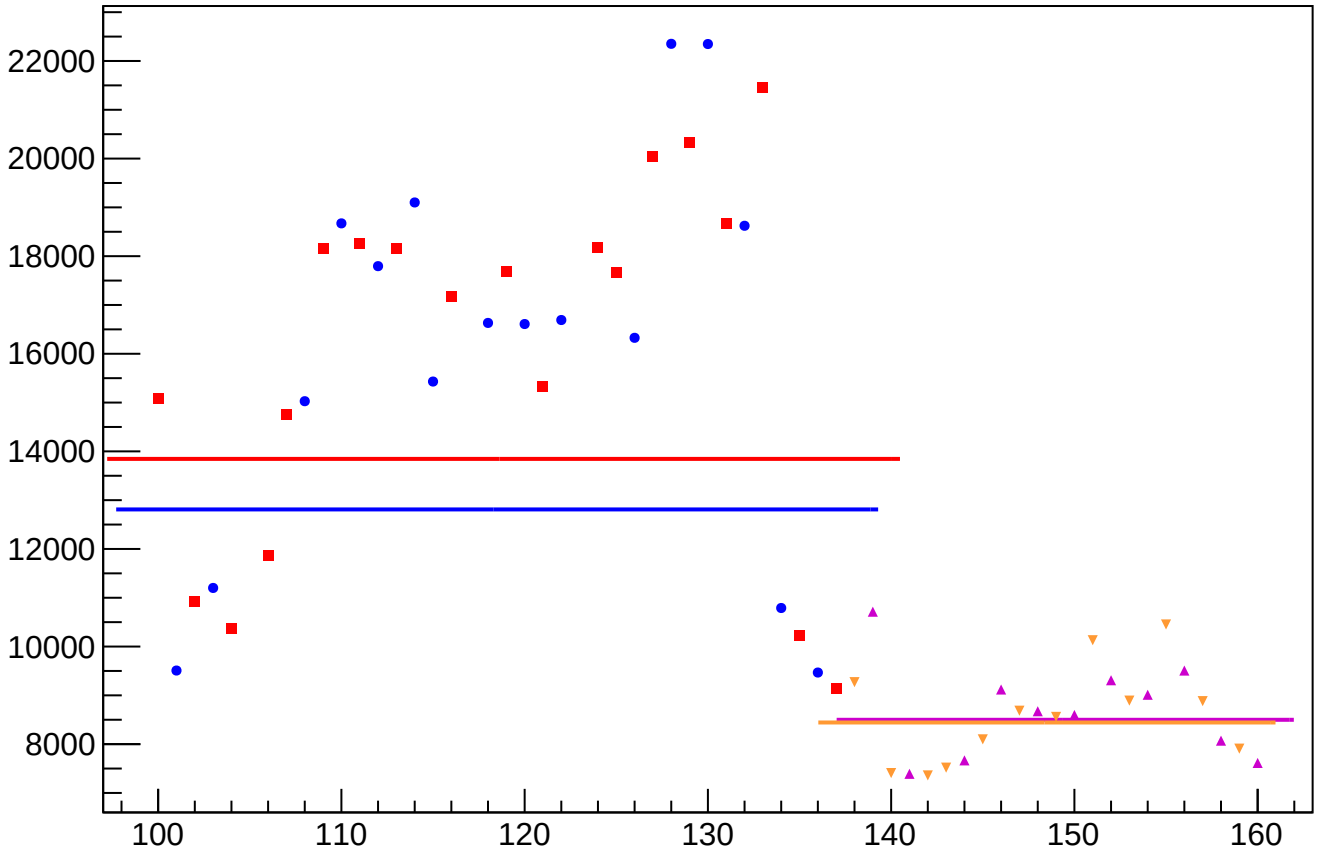
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -1.084+/-2.771 χ^2/NDF:9.6/10

+ sign -11.341+/-2.418 χ^2/NDF: 53.2/27

All: -7.303+/-1.722 χ^2/NDF: 85.9/57

- sign -3.146+/-2.453 χ^2/NDF: 27.0/29



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8443.831+/-1.951 χ^2/NDF:215613.0/11

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

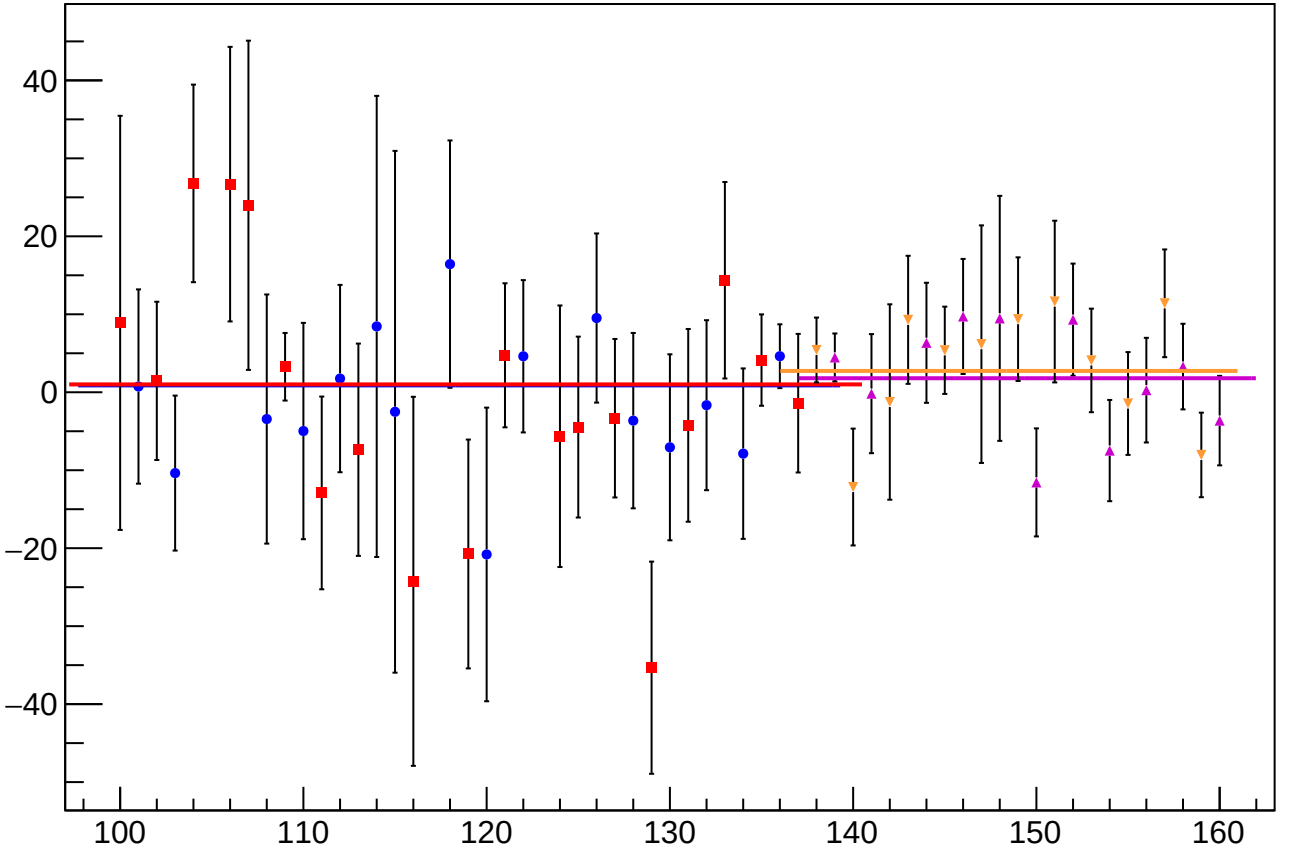
Left In: 8499.020+/-1.959 χ^2/NDF:206399.2/10

+ sign 9457.770+/-1.710 χ^2/NDF: 2626728.1/27

All: 9554.785+/-1.218 χ^2/NDF: 5545753.0/57

- 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: 2.734+/-1.965 χ^2/NDF:12.8/11

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

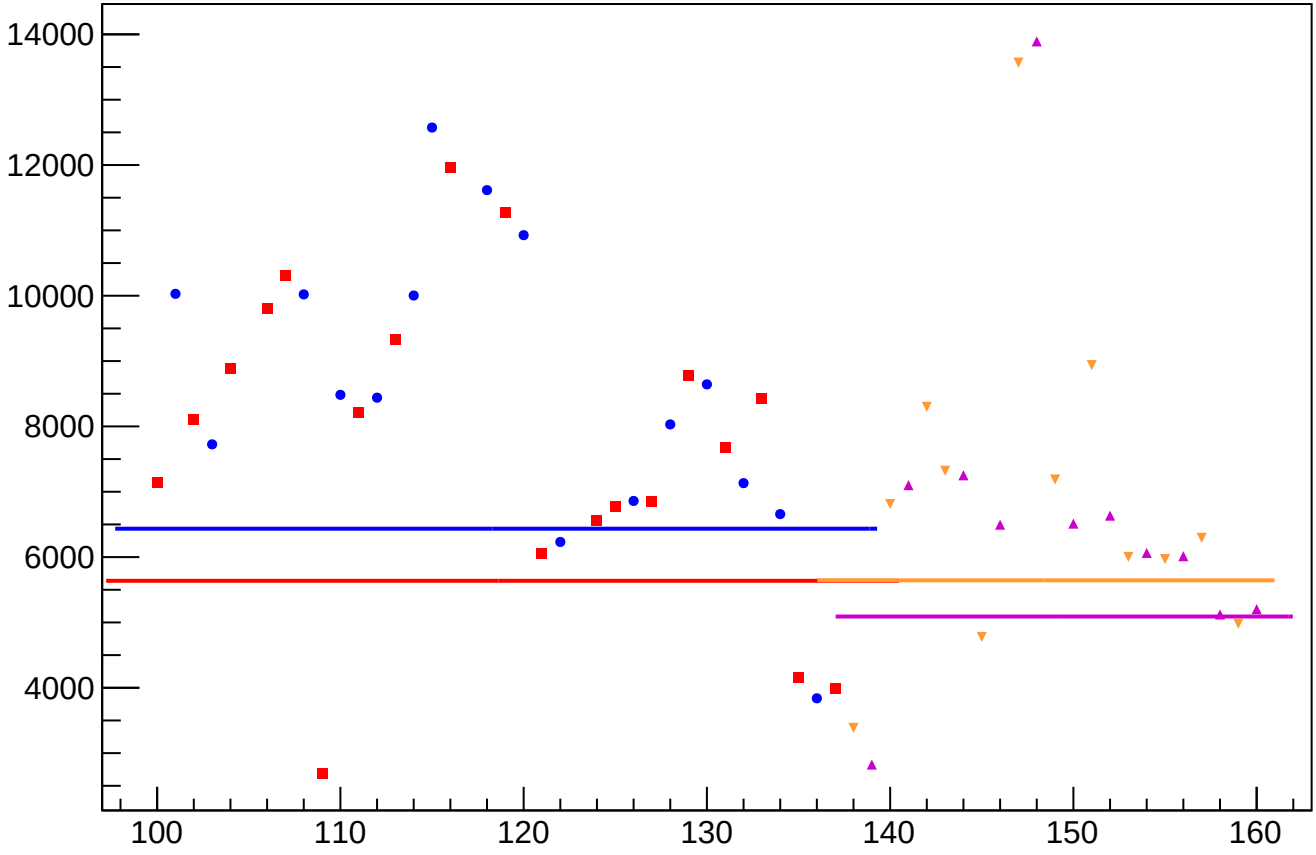
Left In: 1.798+/-1.790 χ^2/NDF:10.4/10

+ sign 2.049+/-1.560 χ^2/NDF: 19.9/27

All: 1.749+/-1.048 χ^2/NDF: 52.8/57

- 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: 5644.501+/-1.389 χ^2/NDF:1736956.2/11

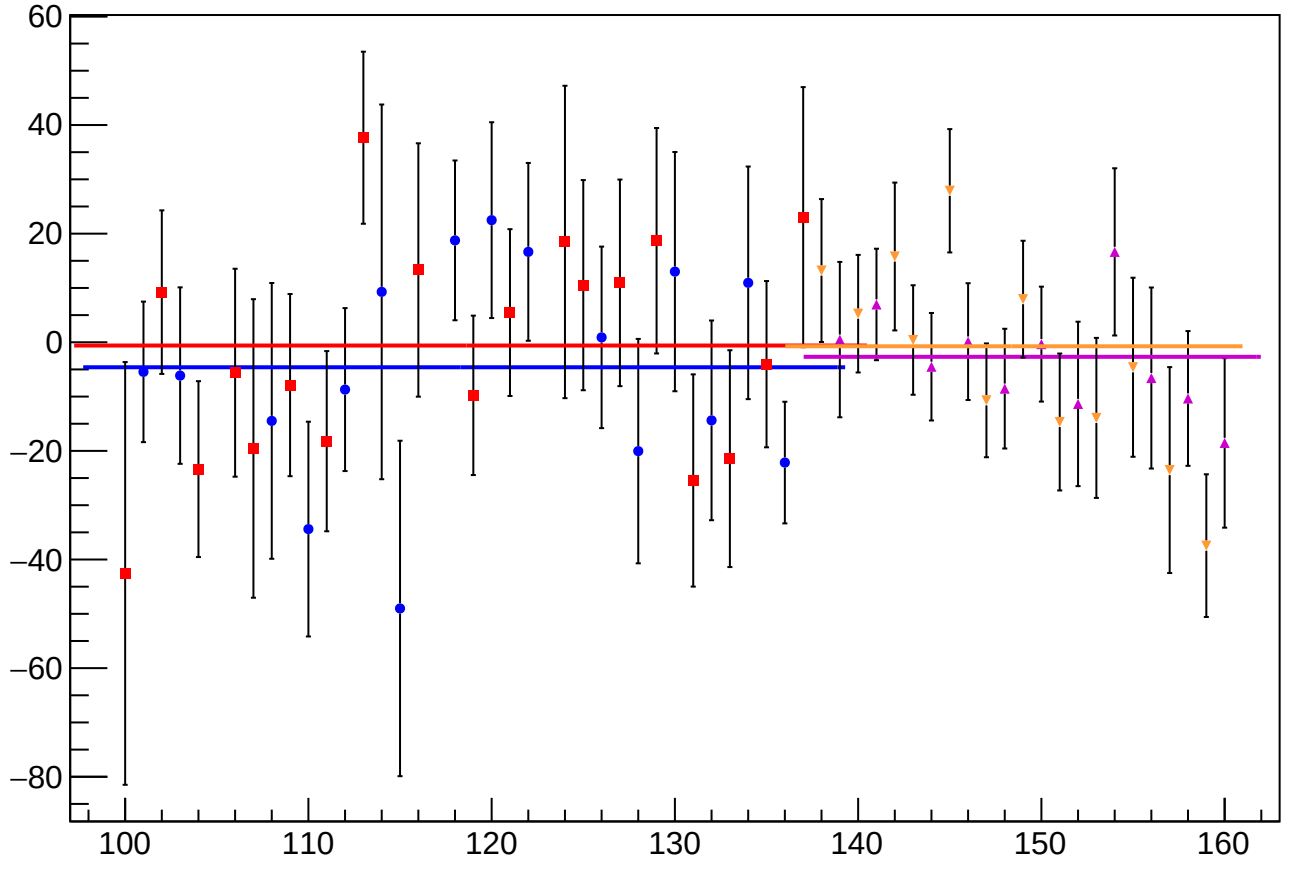
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5090.697+/-1.266 χ^2/NDF:2343920.1/10

+ sign 5936.512+/-1.103 χ^2/NDF: 3607080.3/27

All: 5584.993+/-0.741 χ^2/NDF: 8786033.8/57

- 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: -0.737+/-3.575 χ^2/NDF:22.2/11

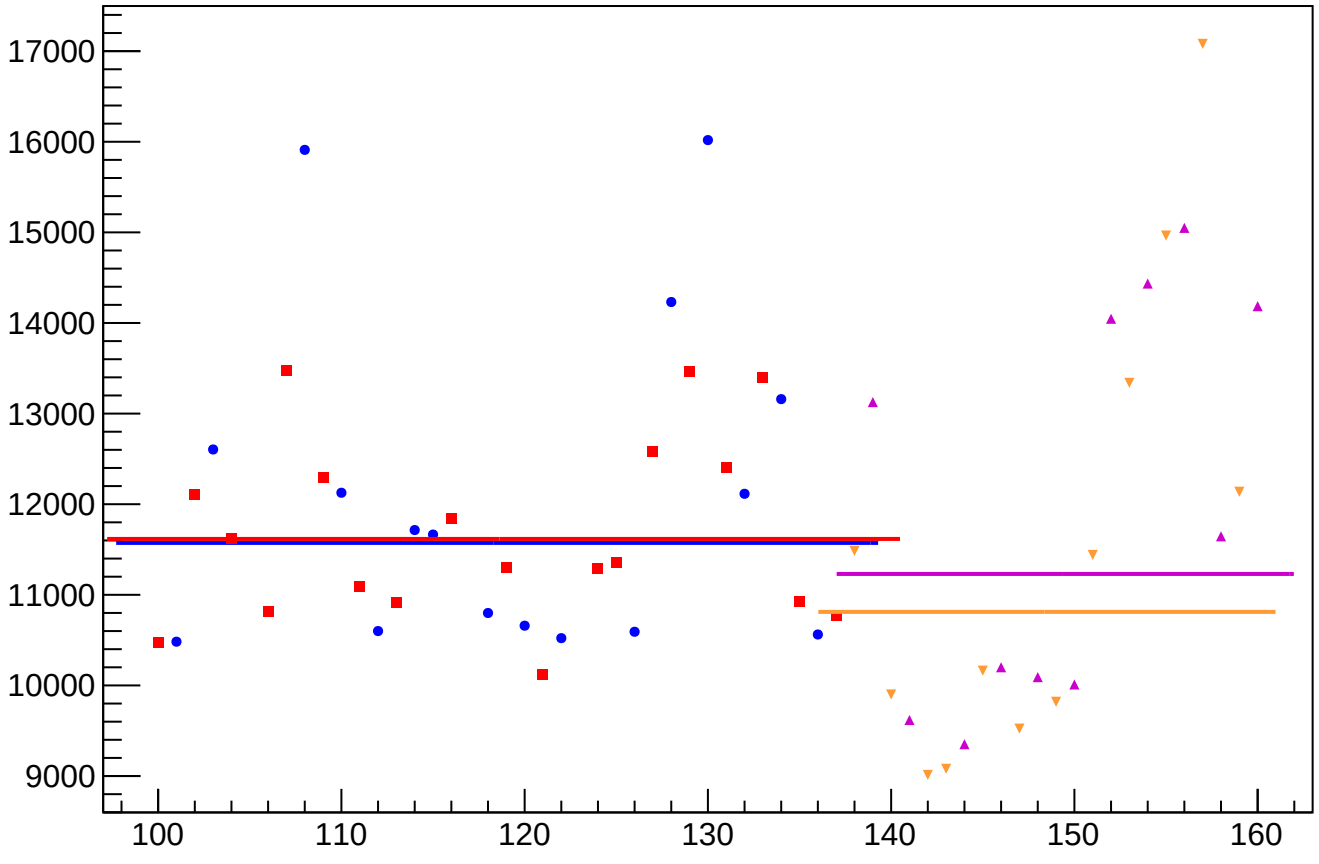
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -2.678+/-3.696 χ^2/NDF:4.7/10

+ sign -2.293+/-2.763 χ^2/NDF: 38.4/27

All: -2.043+/-1.965 χ^2/NDF: 61.2/57

- 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: 10811.803+/-2.528 χ^2/NDF:597071.0/11

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

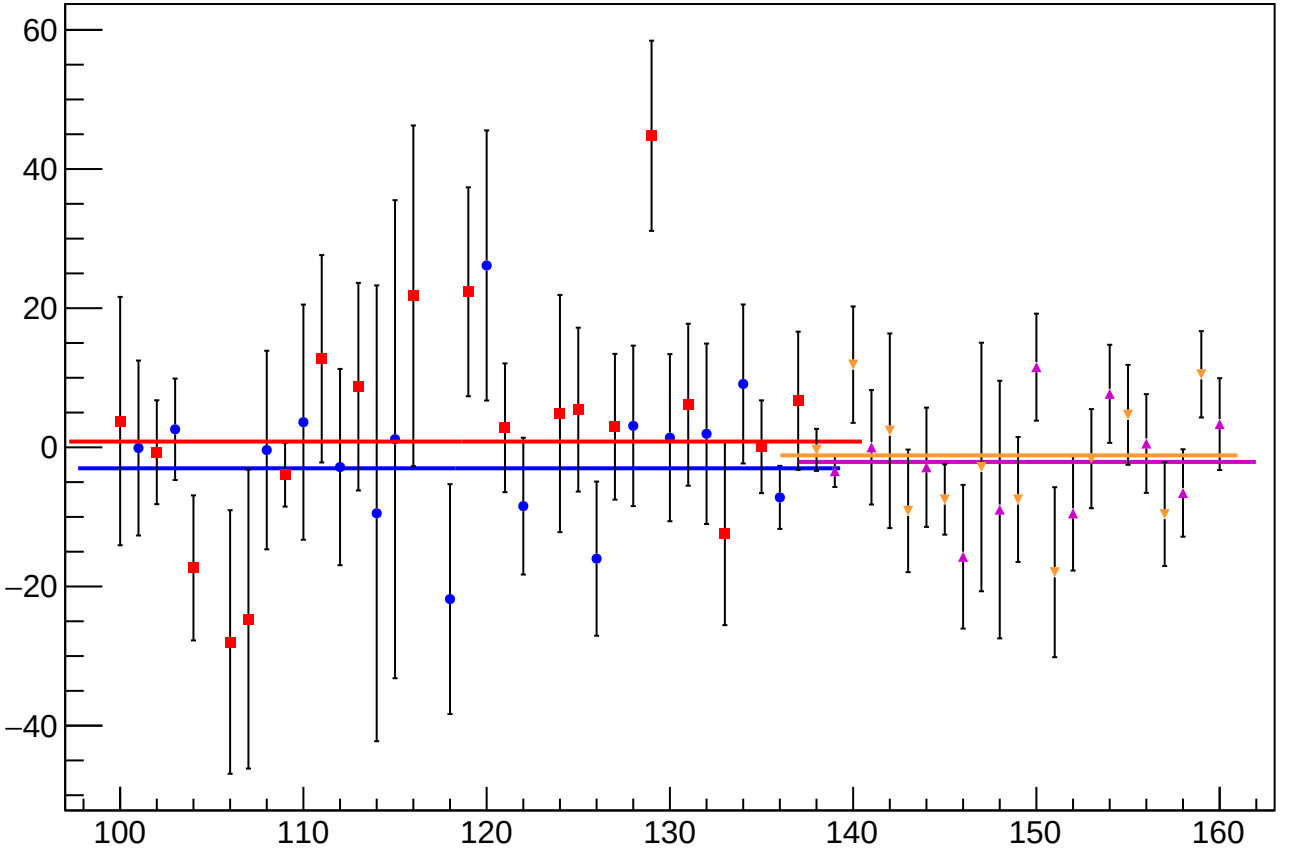
Left In: 11230.450+/-2.614 χ^2/NDF:557703.6/10

+ sign 11118.342+/-1.954 χ^2/NDF: 893647.4/27

All: 11255.699+/-1.389 χ^2/NDF: 1563876.0/5

- 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: -1.158+/-1.868 χ^2/NDF:12.8/11

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

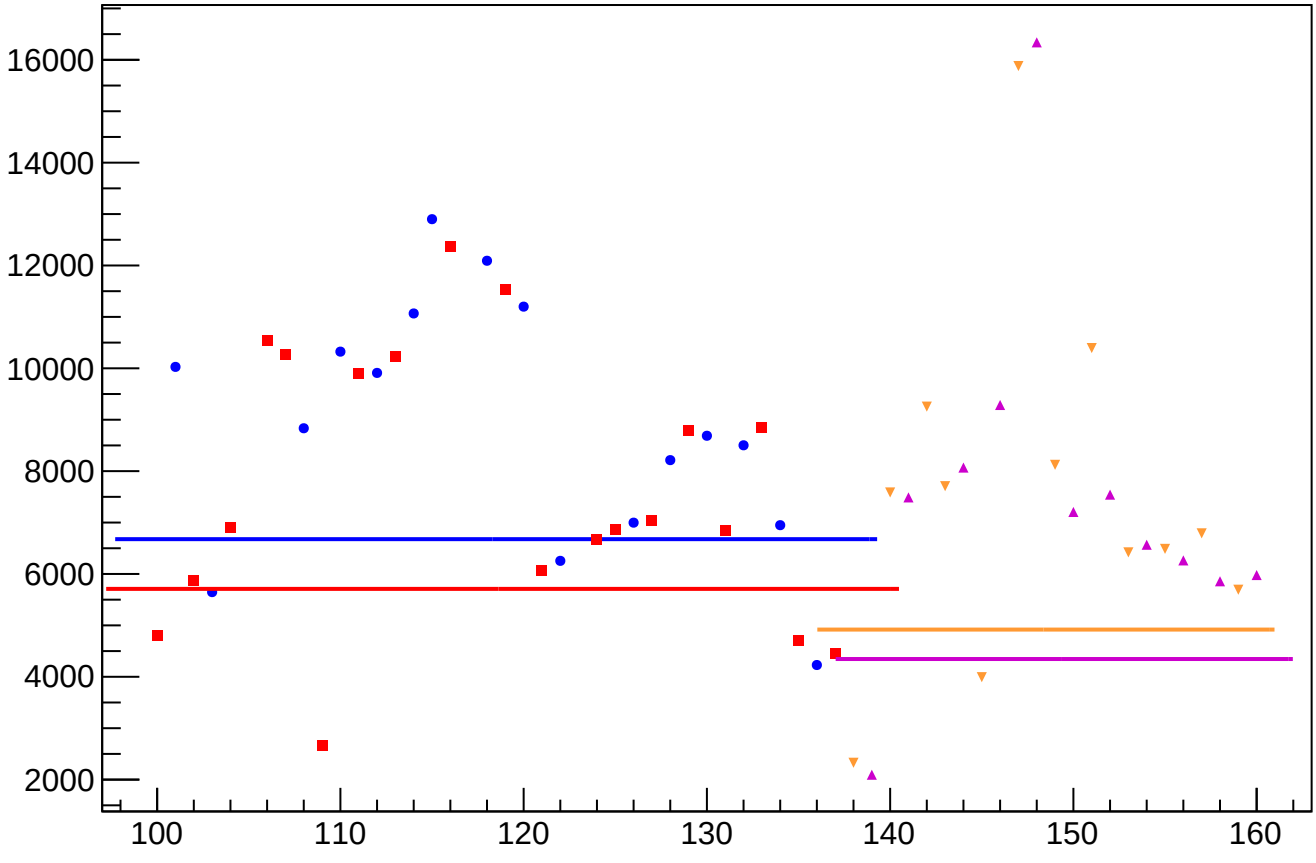
Left In: -2.096+/-1.683 χ^2/NDF:9.5/10

+ sign -1.773+/-1.528 χ^2/NDF: 21.8/27

All: -1.402+/-1.019 χ^2/NDF: 56.3/57

- 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: 4918.327+/-1.321 χ^2/NDF:3888284.3/11

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

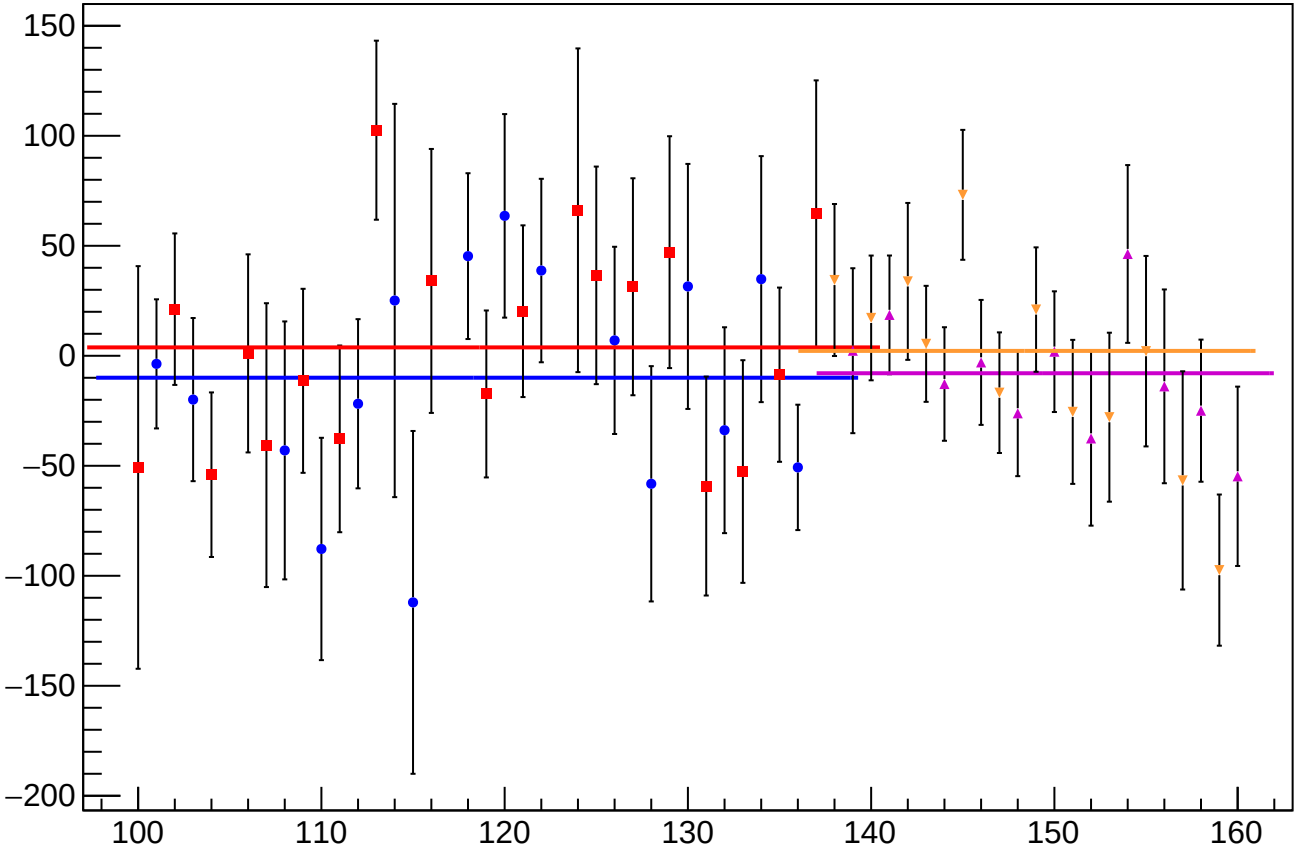
Left In: 4345.652+/-1.190 χ^2/NDF:5078185.6/10

+ sign 5500.958+/-1.080 χ^2/NDF: 6048364.5/27

All: 5116.390+/-0.721 χ^2/NDF: 14101153.0/5

- 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: 2.220+/-9.352 χ^2/NDF:19.8/11

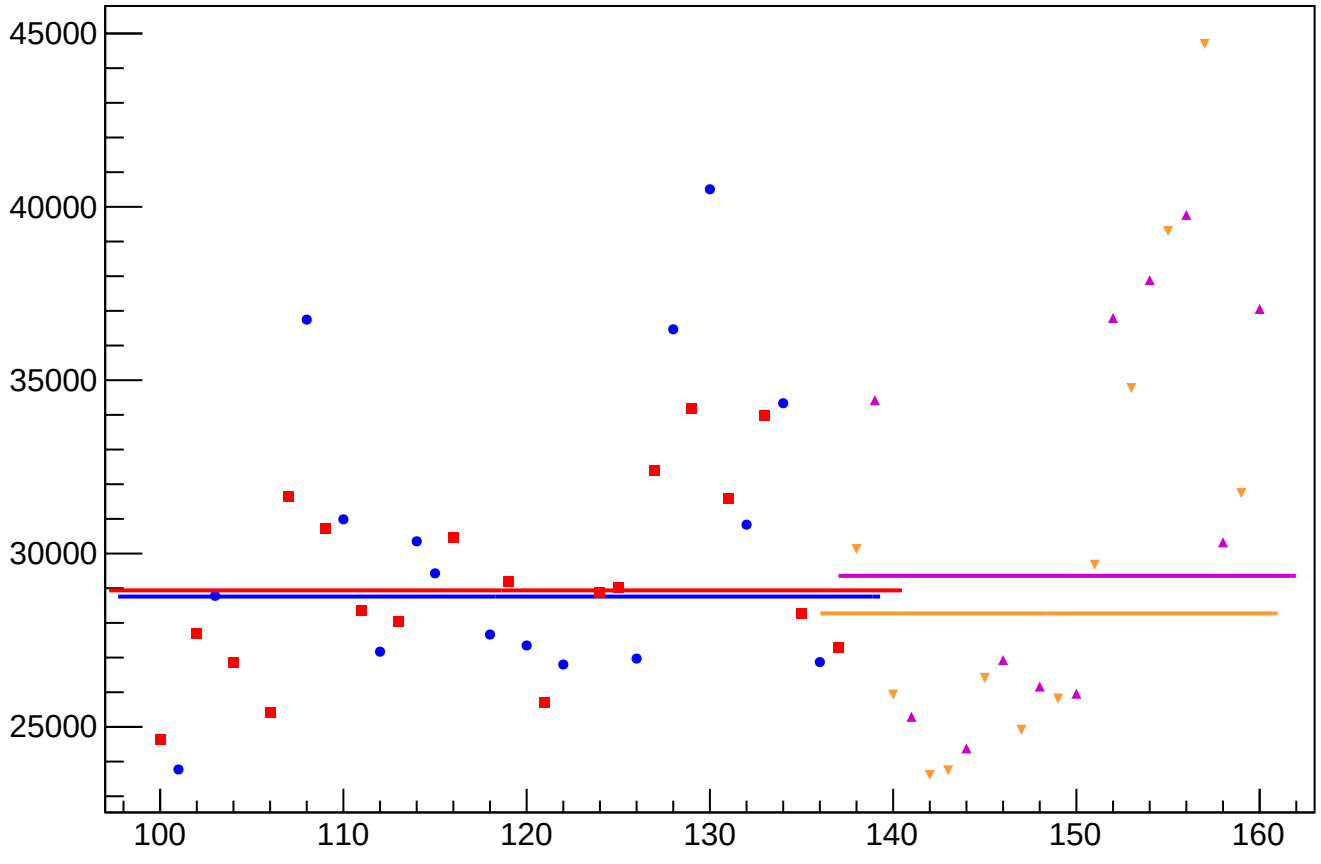
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -7.936+/-9.666 χ^2/NDF:5.6/10

\+ sign -2.983+/-7.080 χ^2/NDF: 35.8/27

All: -2.804+/-5.032 χ^2/NDF: 59.4/57

\- 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: 28273.727+/-6.613 χ^2/NDF:596066.5/11

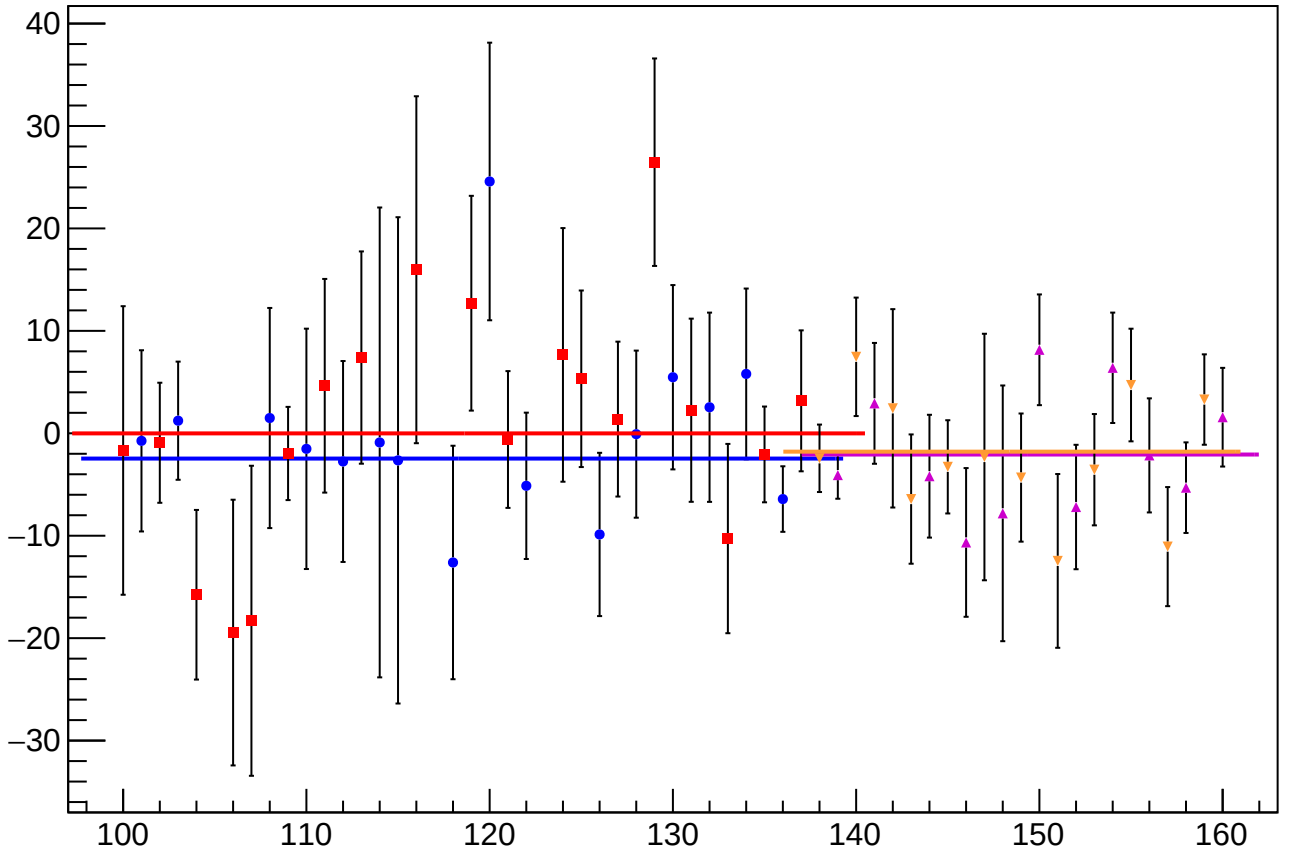
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 29357.198+/-6.835 χ^2/NDF:570953.6/10

+ sign 28480.912+/-5.006 χ^2/NDF: 876006.0/27

All: 28820.625+/-3.558 χ^2/NDF: 1564235.5/5

- sign 29167.422+/-5.058 χ^2/NDF: 678924.1/29



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.792+/-1.580 χ^2/NDF:10.6/11

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

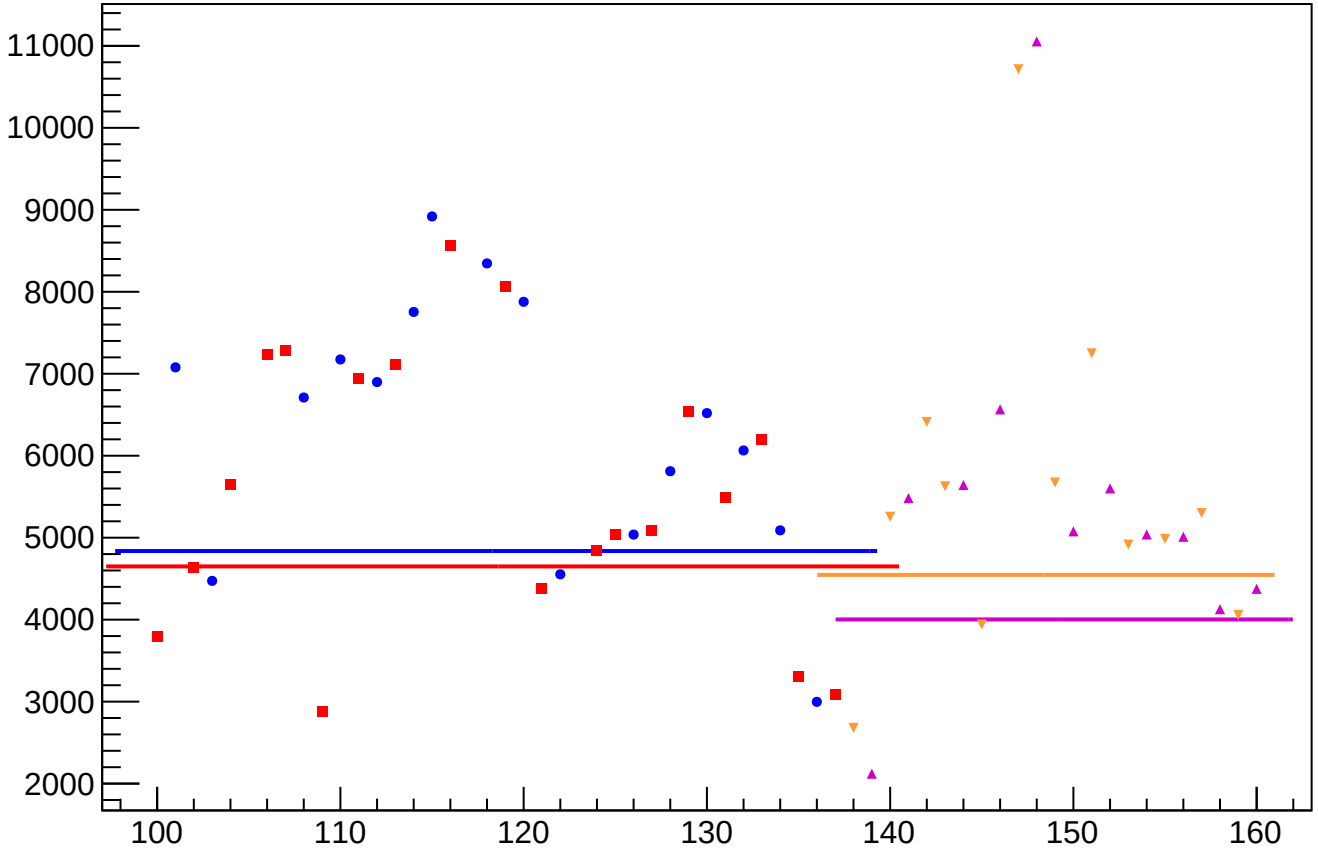
Left In: -2.073+/-1.426 χ^2/NDF:11.1/10

+ sign -2.065+/-1.219 χ^2/NDF: 20.7/27

All: -1.648+/-0.826 χ^2/NDF: 52.7/57

- 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: 4546.027+/-1.117 χ^2/NDF:1714745.9/11

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

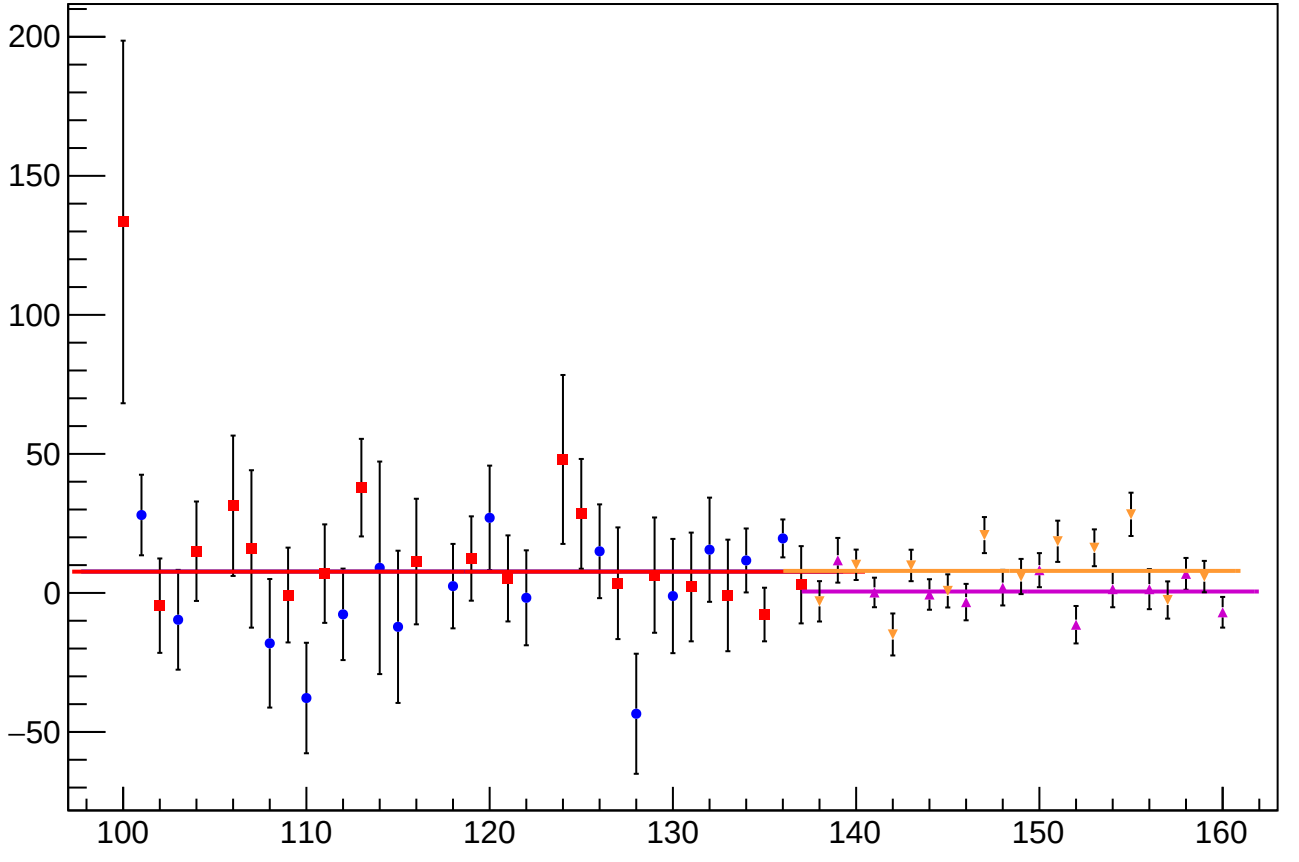
Left In: 4002.518+/-1.008 χ^2/NDF:2862420.4/10

+ sign 4663.923+/-0.862 χ^2/NDF: 3290004.4/27

All: 4438.805+/-0.584 χ^2/NDF: 7869006.6/57

- 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: 7.925+/-1.859 χ^2/NDF:30.3/11

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

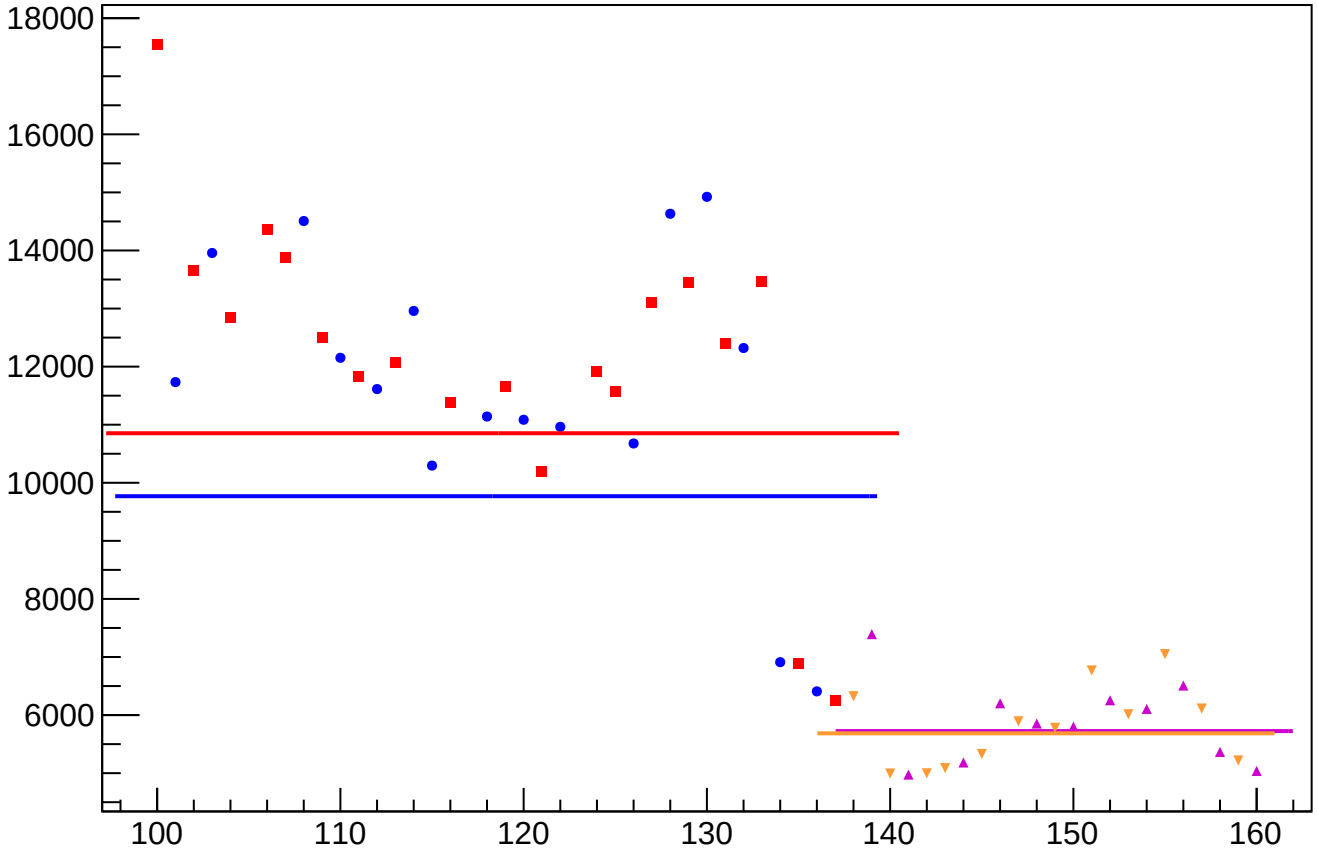
Left In: 0.507+/-1.868 χ^2/NDF:10.2/10

+ sign 7.882+/-1.672 χ^2/NDF: 51.9/27

All: 4.859+/-1.192 χ^2/NDF: 85.8/57

- 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: 5685.464+/-1.315 χ^2/NDF:227050.7/11

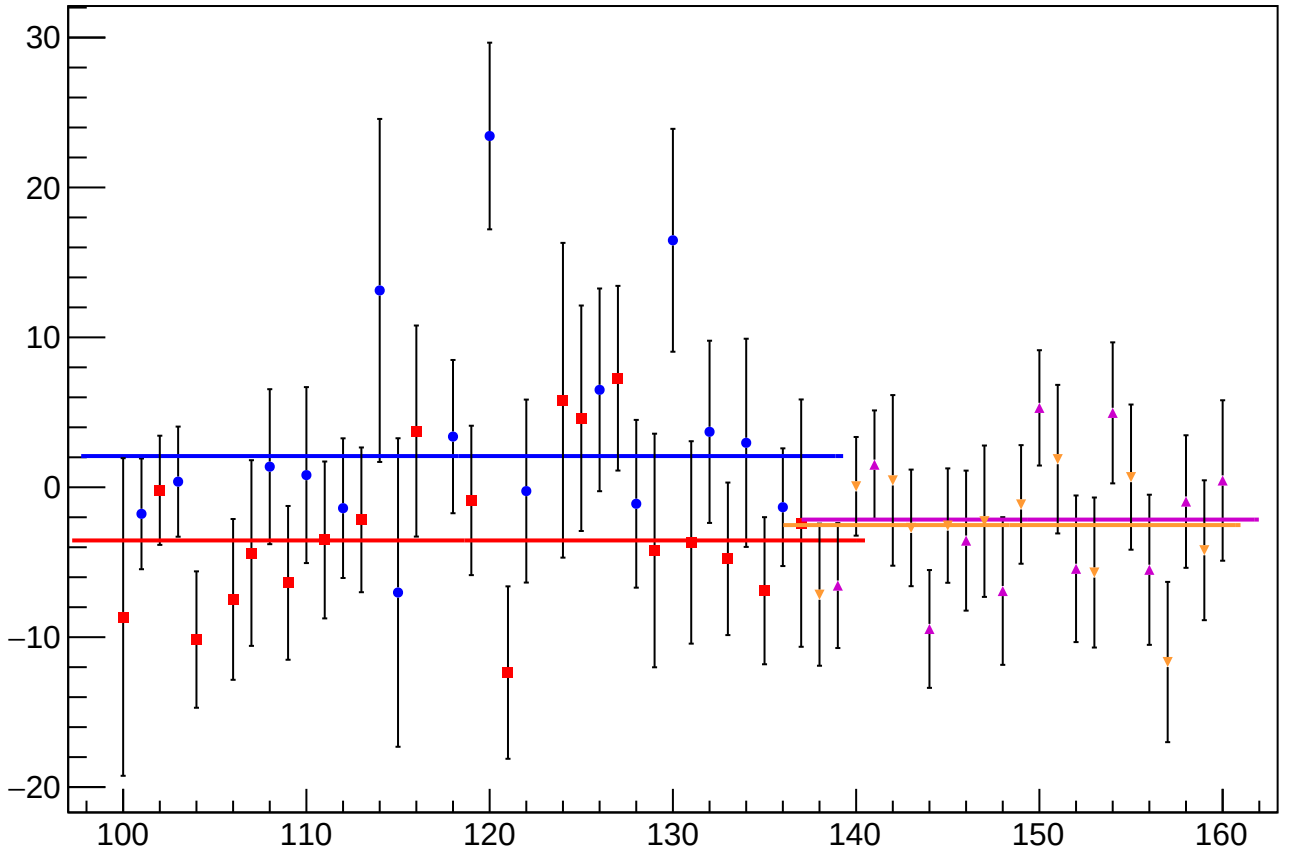
Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5724.351+/-1.321 χ^2/NDF:239082.8/10

+ sign 6467.425+/-1.182 χ^2/NDF: 3288561.7/27

All: 6535.555+/-0.843 χ^2/NDF: 7001359.0/57

- sign 6605.988+/-1.202 χ^2/NDF: 3706040.0/29



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.522+/-1.280 χ^2/NDF:6.7/11

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

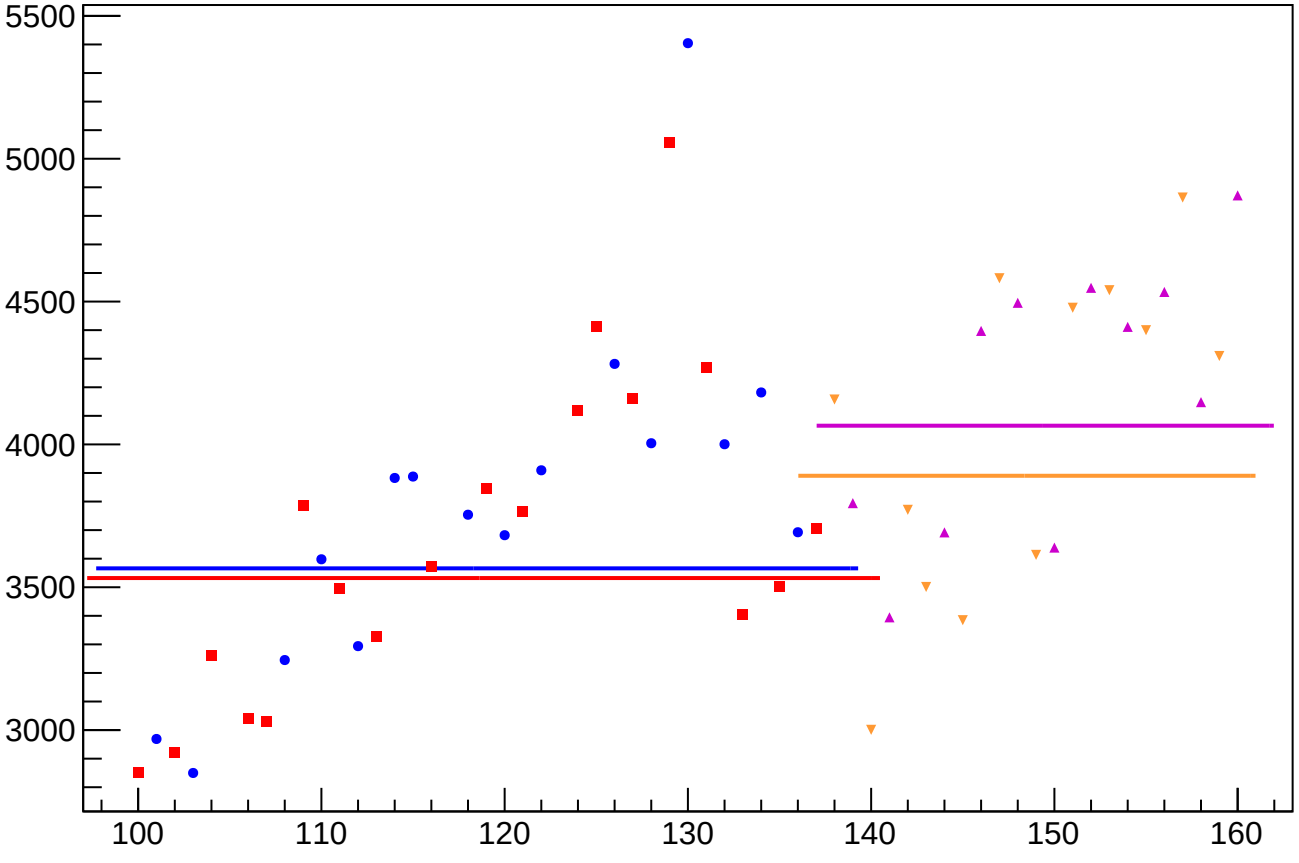
Left In: -2.155+/-1.329 χ^2/NDF:13.9/10

+ sign -0.334+/-0.928 χ^2/NDF: 33.7/27

All: -1.594+/-0.657 χ^2/NDF: 65.3/57

- 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: 3890.227+/-0.905 χ^2/NDF:422291.6/11

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

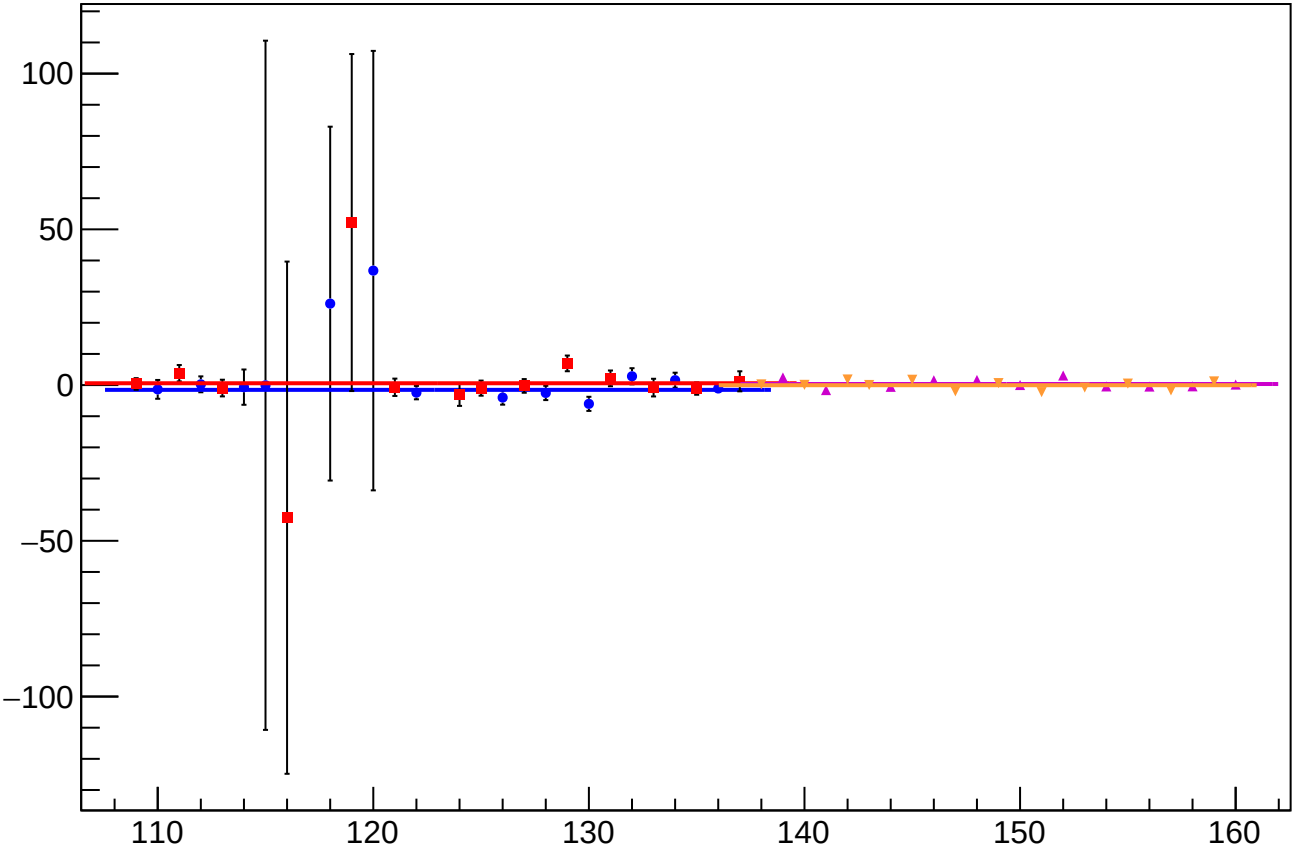
Left In: 4065.490+/-0.940 χ^2/NDF:239038.9/10

+ sign 3736.188+/-0.656 χ^2/NDF: 824291.5/27

All: 3764.913+/-0.465 χ^2/NDF: 1509953.7/57

- 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: -0.042+/-0.329 χ^2/NDF:14.9/11

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

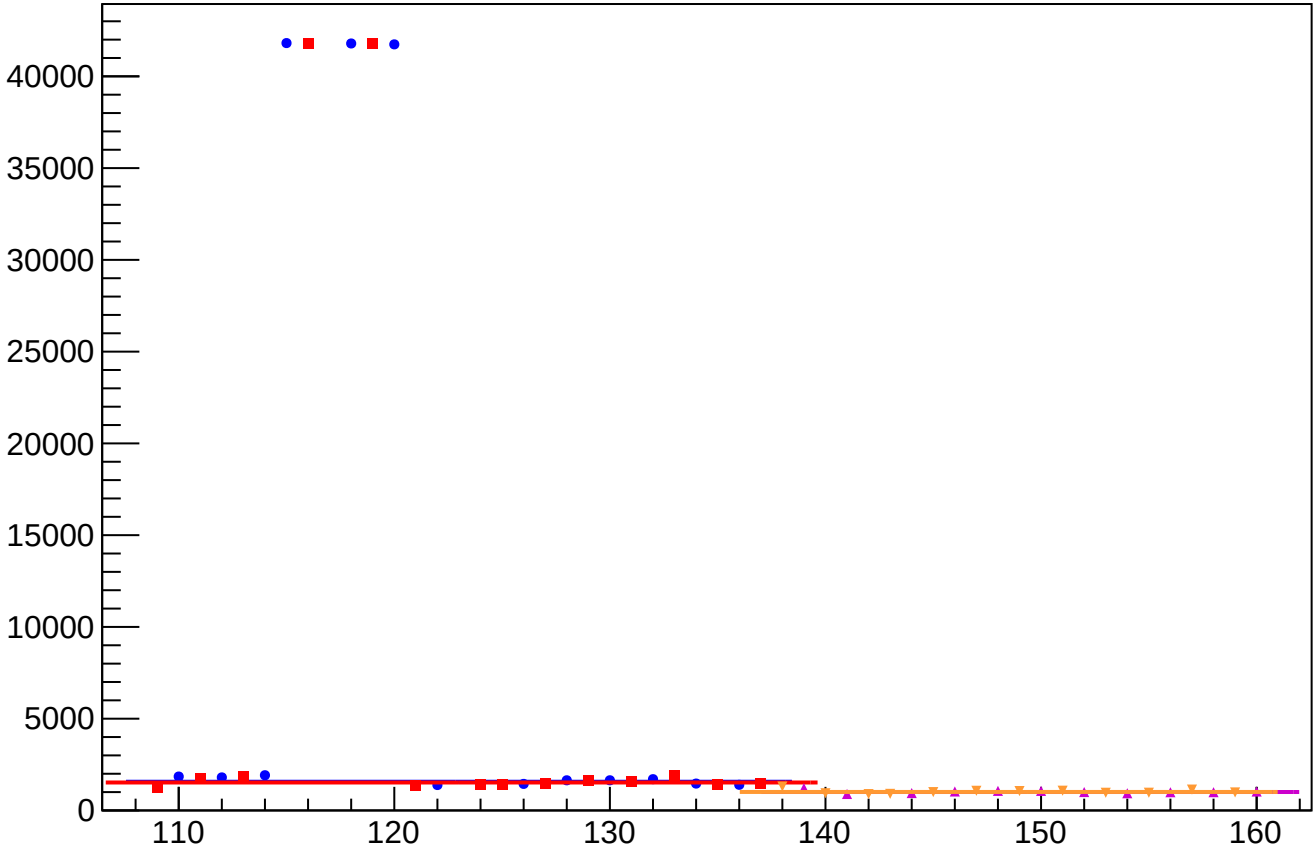
Left In: 0.344+/-0.327 χ^2/NDF:18.0/10

+ sign -0.293+/-0.300 χ^2/NDF: 29.5/24

All: 0.050+/-0.211 χ^2/NDF: 62.8/49

- 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: 1008.143+/-0.232 χ^2/NDF:169879.2/11

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

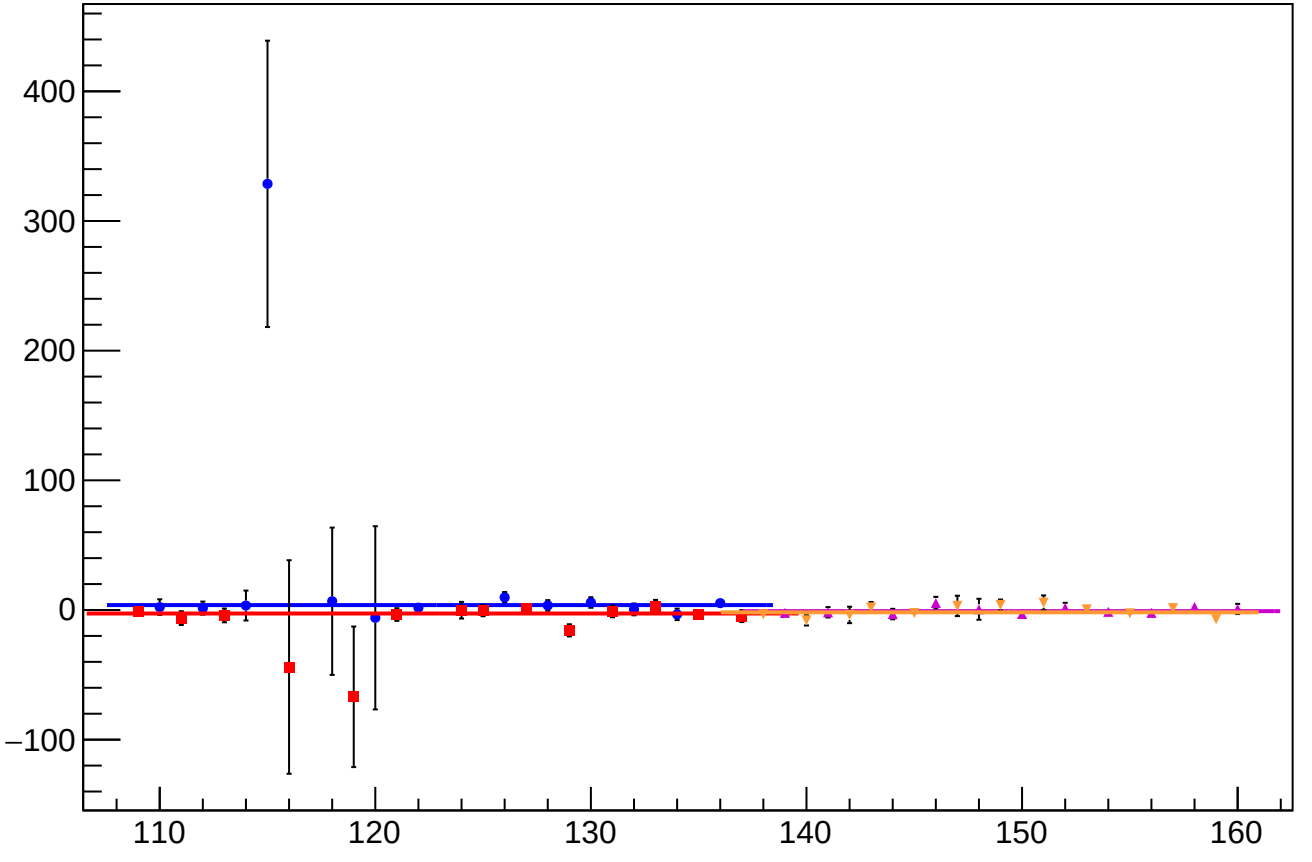
Left In: 1005.254+/-0.231 χ^2/NDF:105397.1/10

+ sign 1101.325+/-0.212 χ^2/NDF: 3146112.8/24

All: 1097.861+/-0.149 χ^2/NDF: 5857152.4/49

- 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: -1.799+/-1.078 χ^2/NDF:11.0/11

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

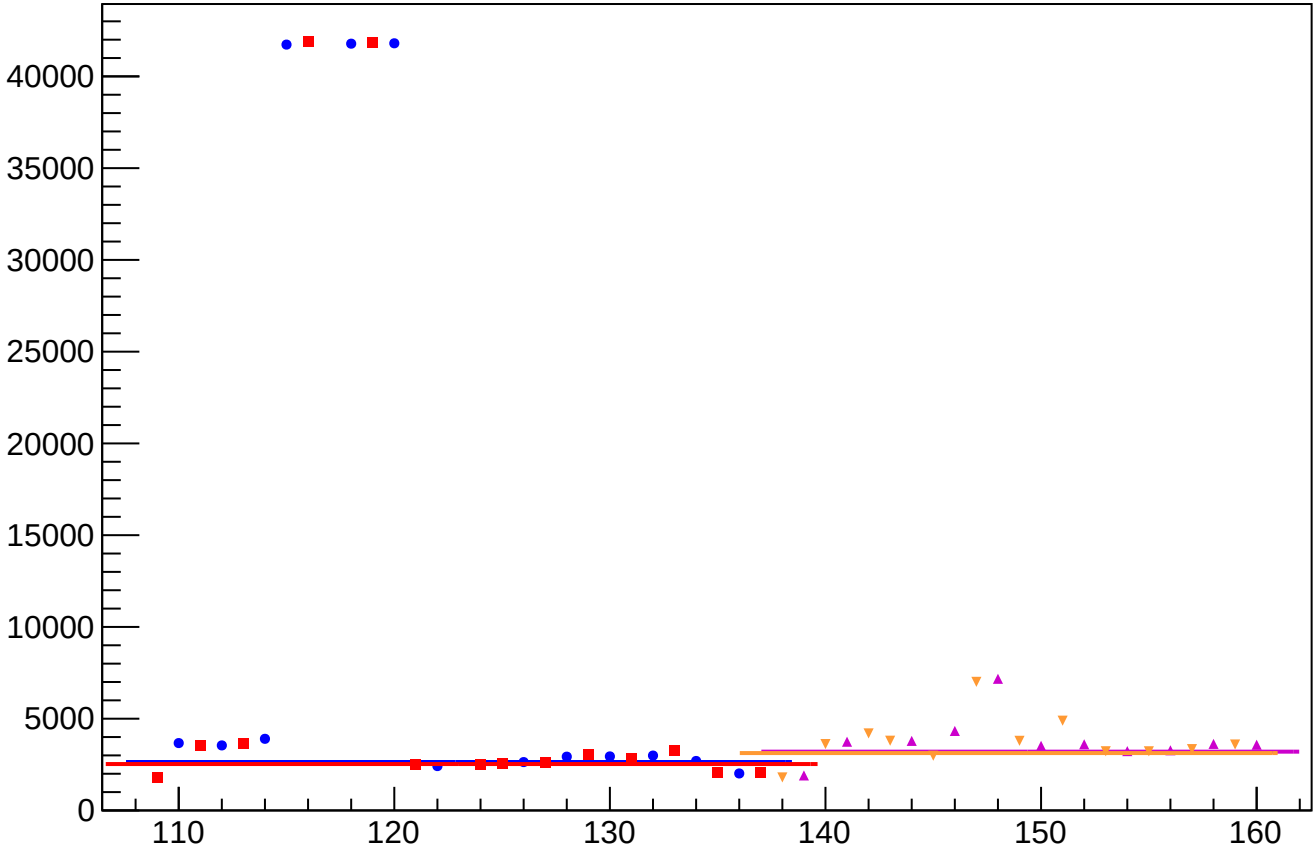
Left In: -0.898+/-1.095 χ^2/NDF:4.3/10

+ sign 0.582+/-0.816 χ^2/NDF: 37.6/24

All: -0.570+/-0.576 χ^2/NDF: 60.7/49

- 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: 3127.167+/-0.762 χ^2/NDF:1716331.0/11

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

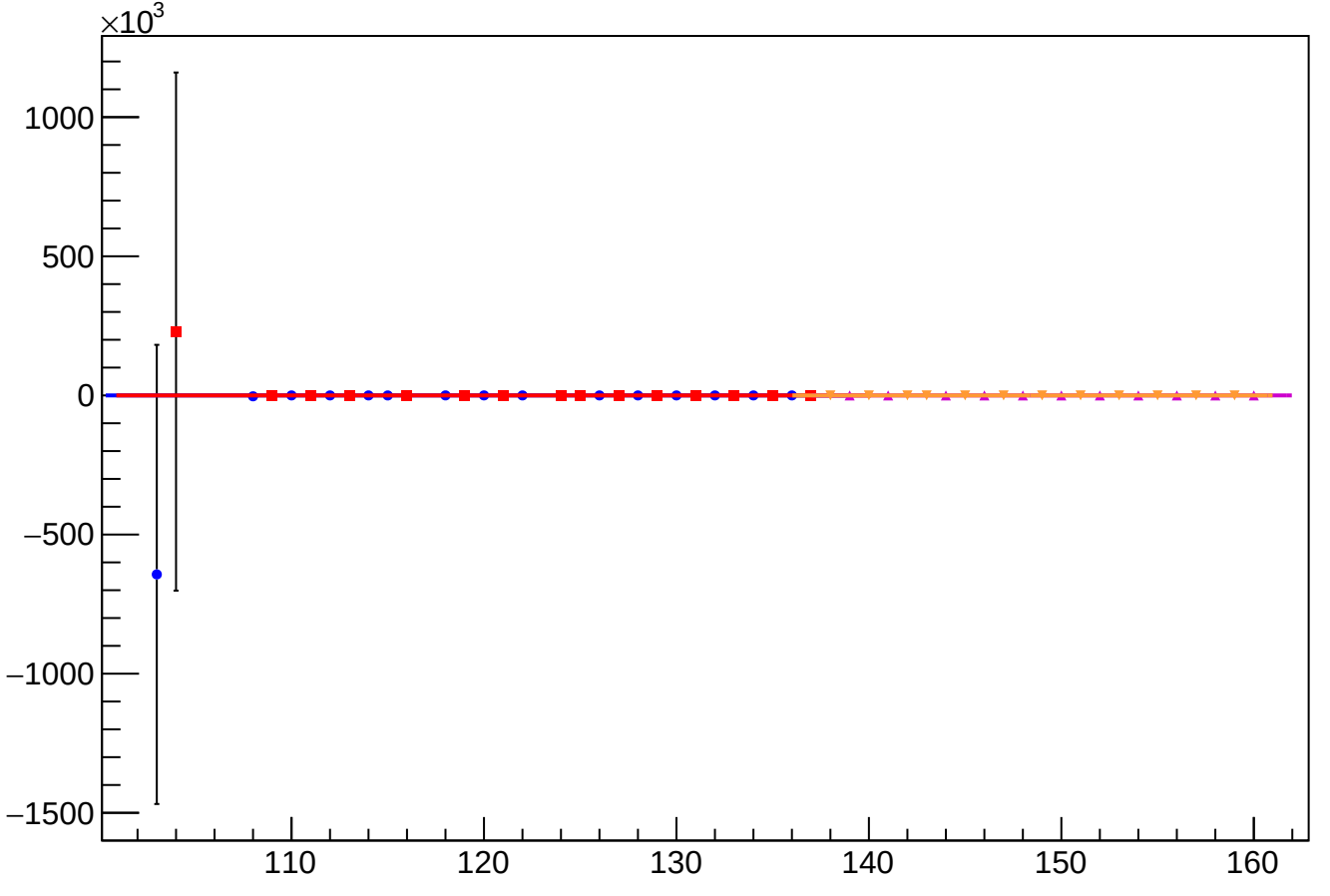
Left In: 3204.006+/-0.774 χ^2/NDF:1502391.1/10

+ sign 2919.084+/-0.577 χ^2/NDF: 4064277.3/24

All: 2909.708+/-0.407 χ^2/NDF: 7859047.2/49

- 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: -1.834+/-0.513 χ^2/NDF:24.3/11

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

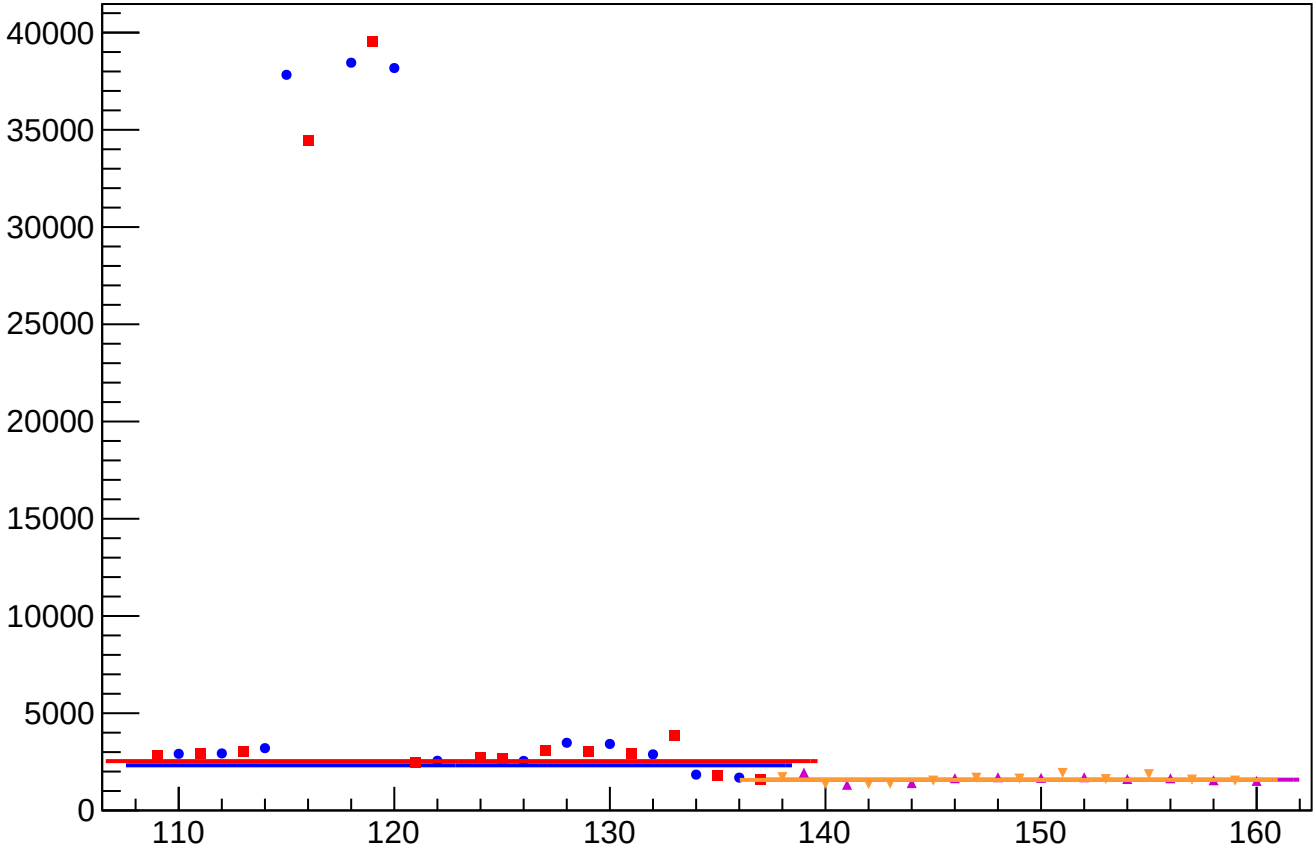
Left In: -0.042+/-0.516 χ^2/NDF:14.0/10

+ sign -1.728+/-0.467 χ^2/NDF: 43.3/26

All: -1.098+/-0.333 χ^2/NDF: 79.4/52

- 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: 1570.189+/-0.363 χ^2/NDF:217444.6/11

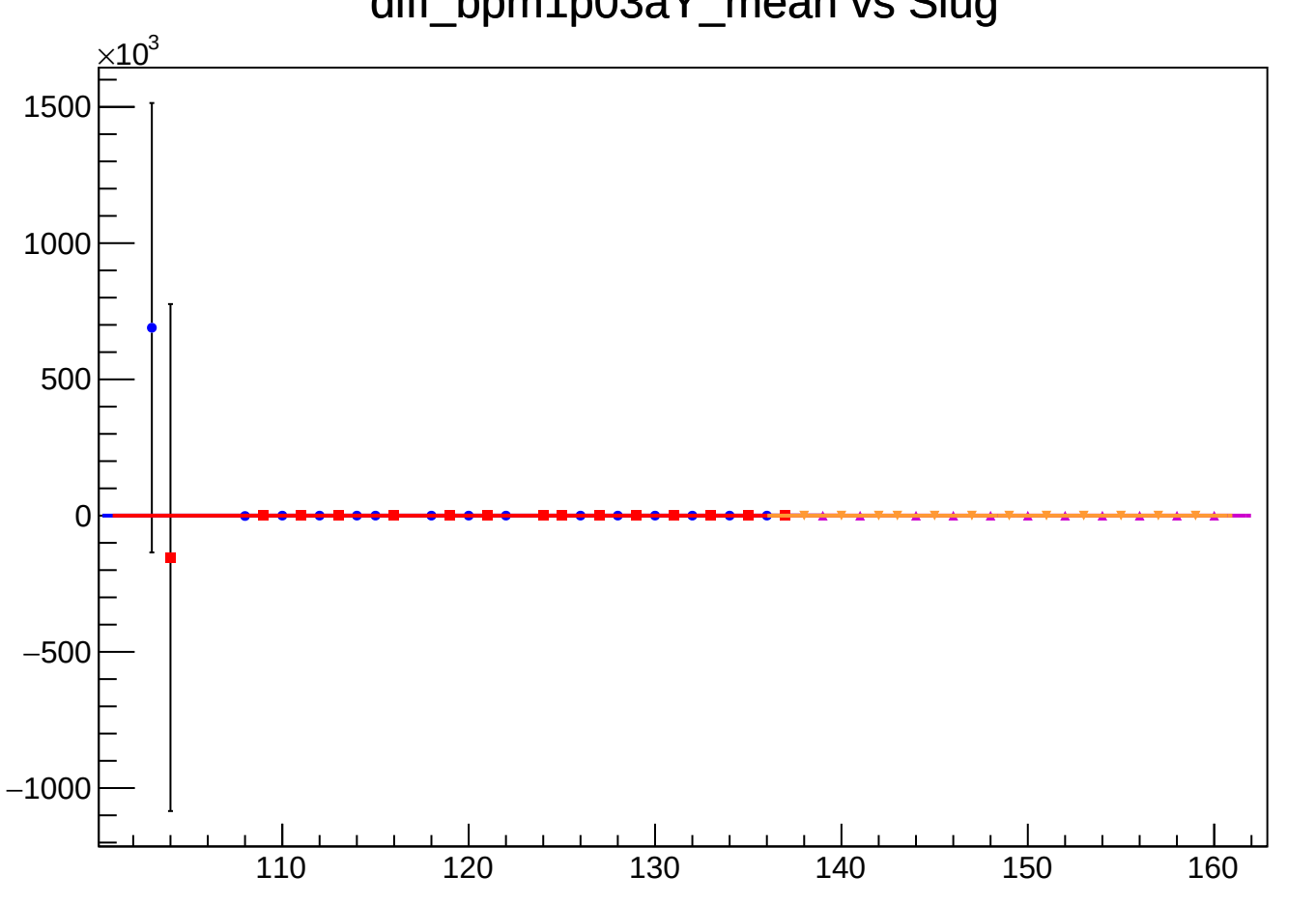
Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1583.816+/-0.365 χ^2/NDF:190520.5/10

+ sign 1699.196+/-0.330 χ^2/NDF: 3415080.5/24

All: 1714.584+/-0.235 χ^2/NDF: 6697784.2/49

- 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: -0.778+/-0.695 χ^2/NDF:16.1/11

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

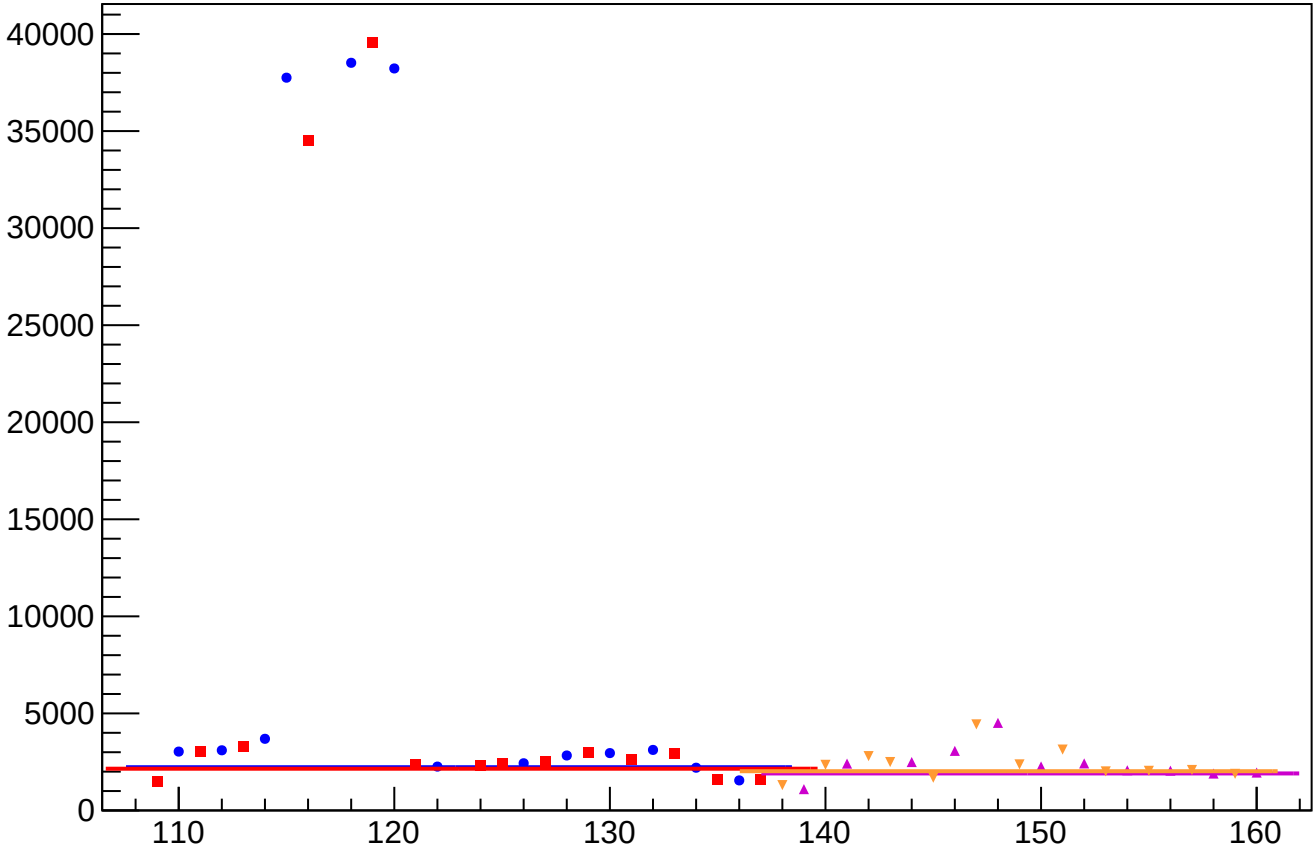
Left In: 0.067+/-0.661 χ^2/NDF:4.0/10

+ sign -0.046+/-0.584 χ^2/NDF: 24.9/26

All: -0.277+/-0.404 χ^2/NDF: 47.0/52

- 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: 2021.576+/-0.492 χ^2/NDF:1319194.4/11

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

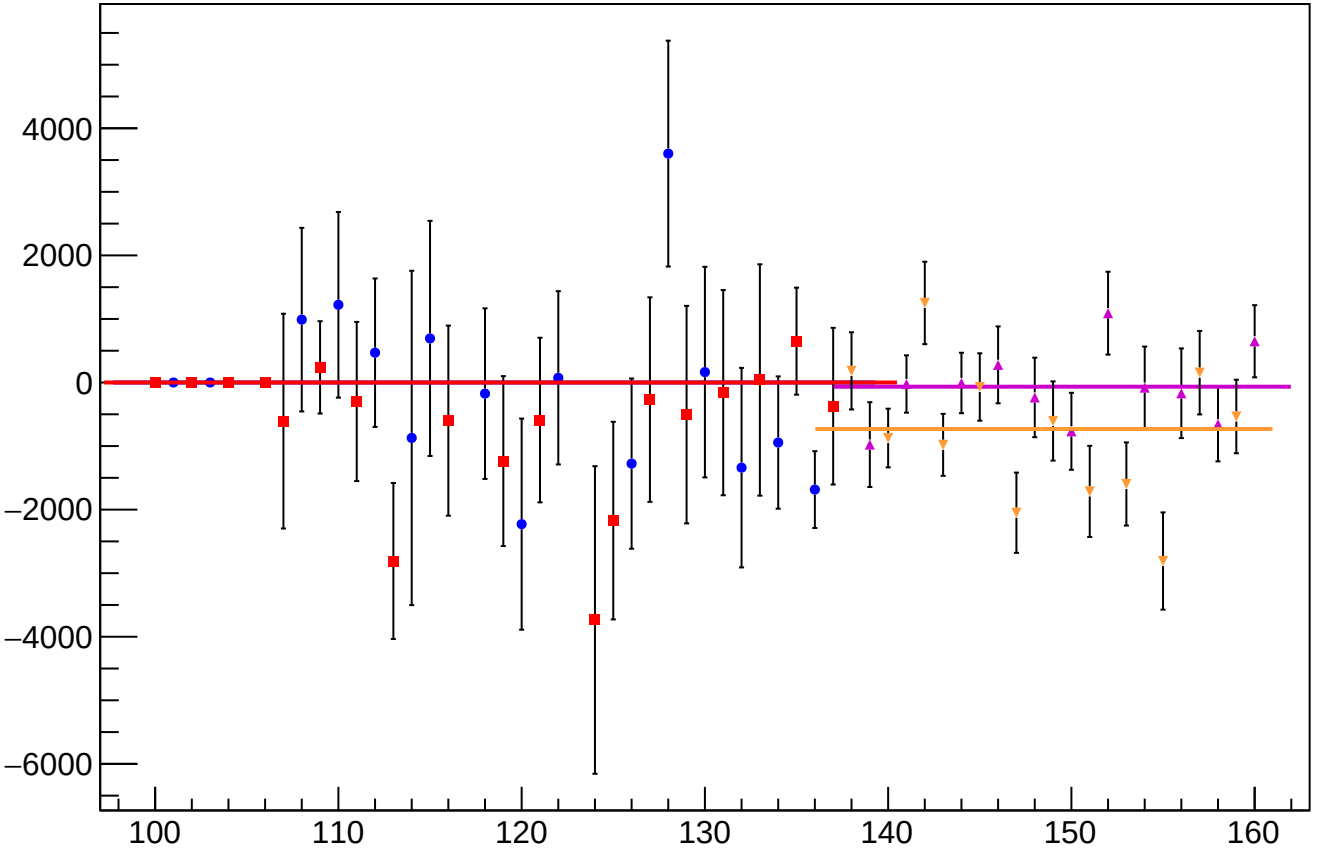
Left In: 1906.957+/-0.467 χ^2/NDF:1993160.3/10

+ sign 2082.038+/-0.413 χ^2/NDF: 3892851.6/24

All: 2026.782+/-0.286 χ^2/NDF: 8228763.8/49

- 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: -731.146+/-171.694 χ^2/NDF:30.9/11

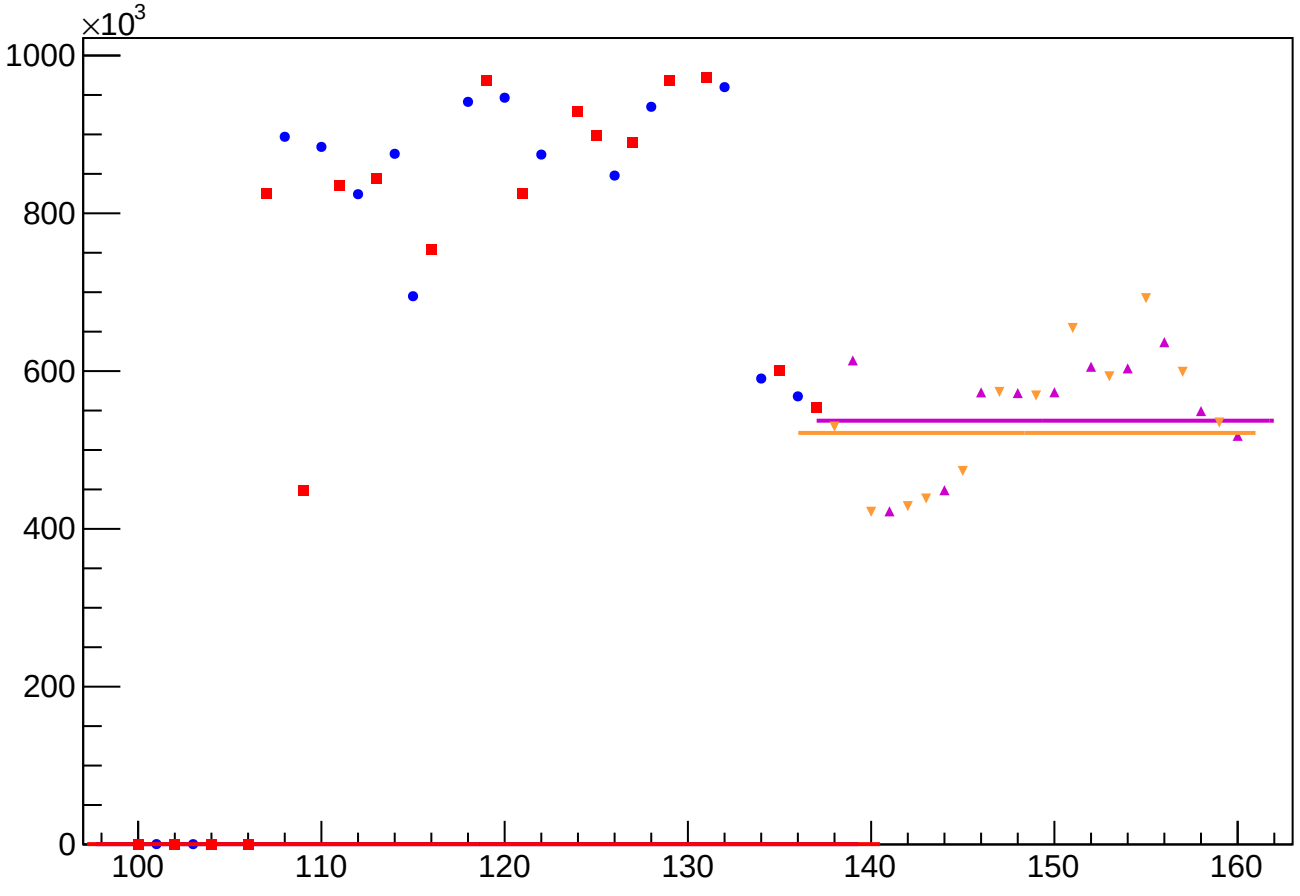
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -66.007+/-175.735 χ^2/NDF:9.4/10

+ sign 0.252+/-0.356 χ^2/NDF: 66.7/27

All: 0.168+/-0.241 χ^2/NDF: 91.8/57

- 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: 521648.745+/-121.406 χ^2/NDF:456251.1/11

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

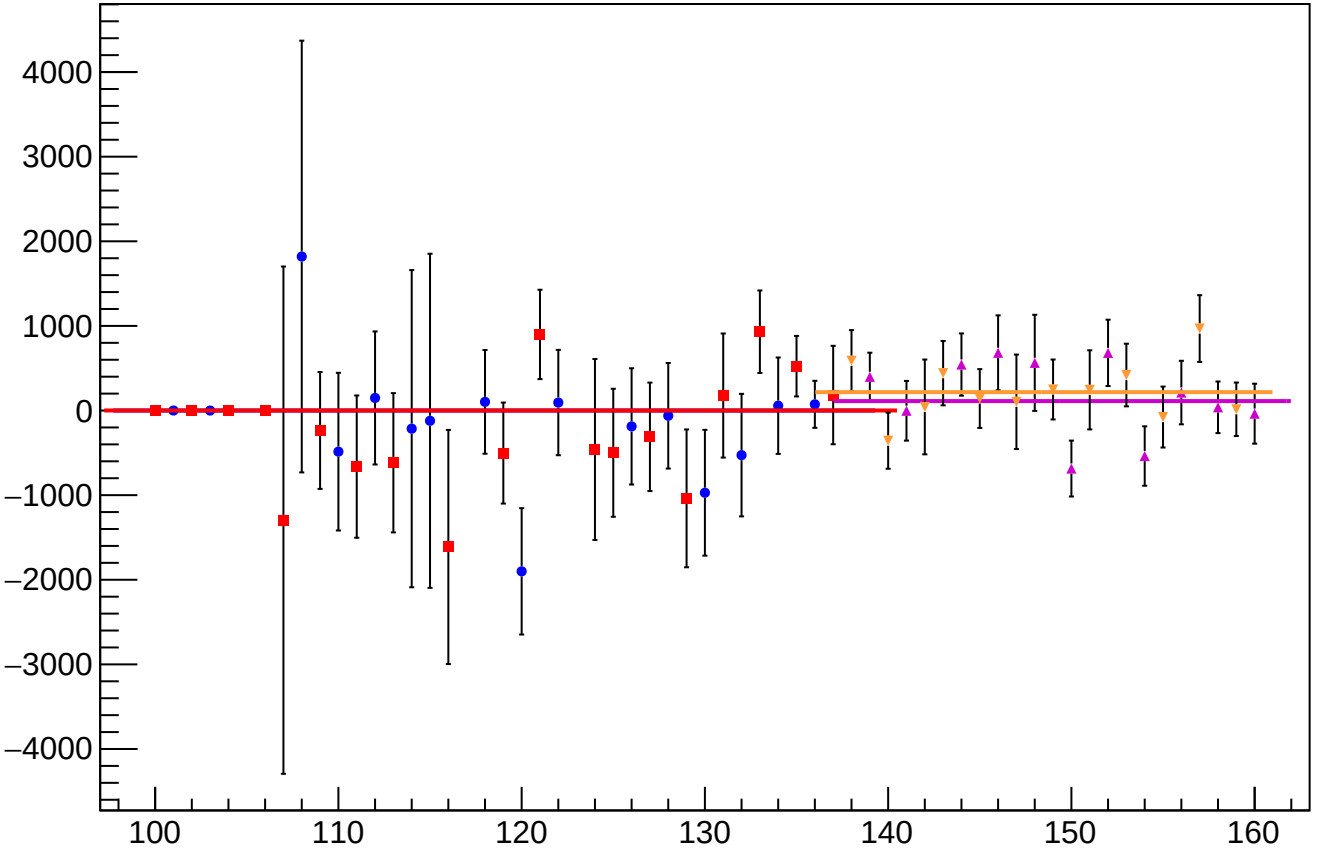
Left In: 537136.917+/-124.264 χ^2/NDF:331085.3/10

+ sign 401.118+/-0.251 χ^2/NDF: 27381673.9/26

All: 397.868+/-0.170 χ^2/NDF: 54018759.2/55

- 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: 217.188+/-110.230 χ^2/NDF:9.6/11

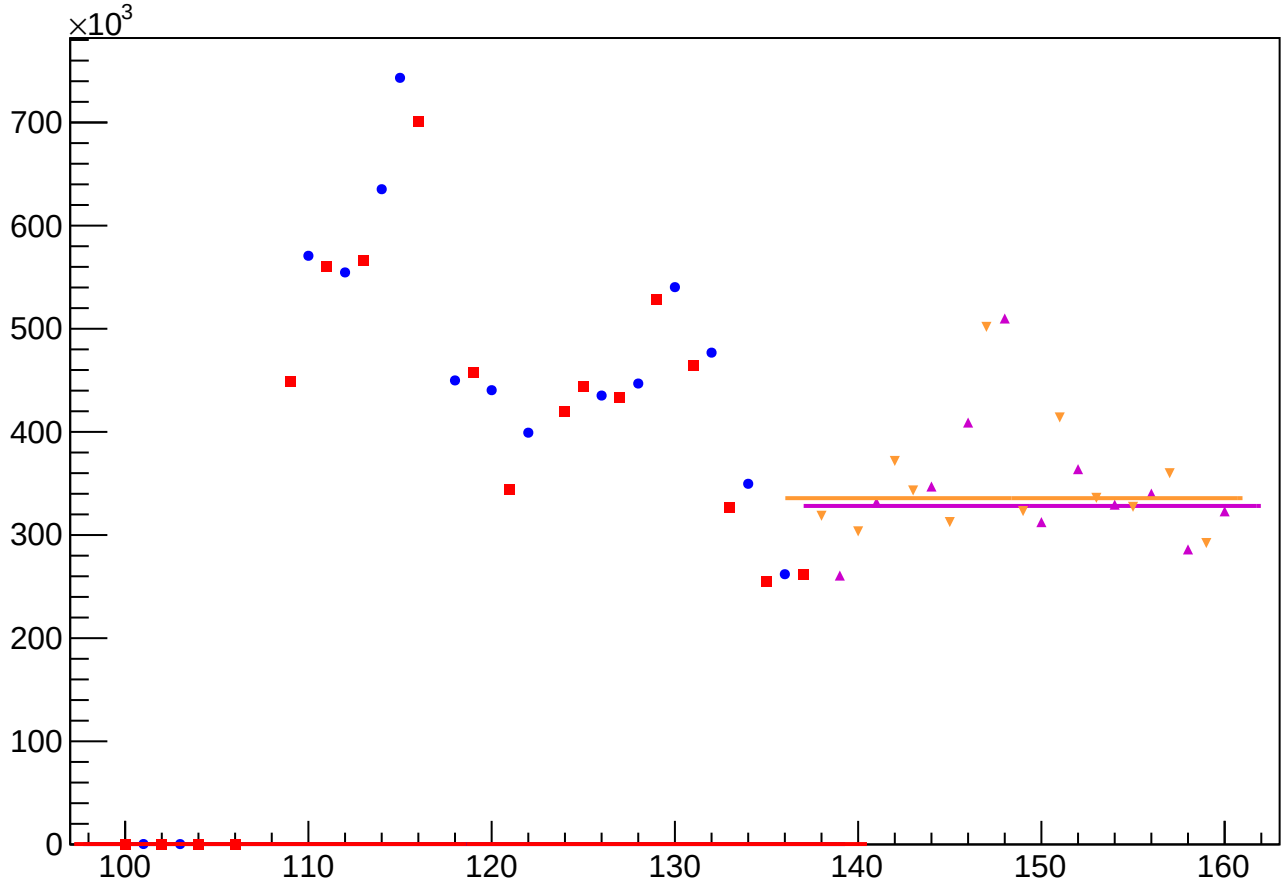
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 111.634+/-108.118 χ^2/NDF:16.5/10

+ sign -0.018+/-0.347 χ^2/NDF: 23.9/27

All: 0.312+/-0.237 χ^2/NDF: 58.2/57

- 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: 335747.603+/-77.944 χ^2/NDF:323297.4/11

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

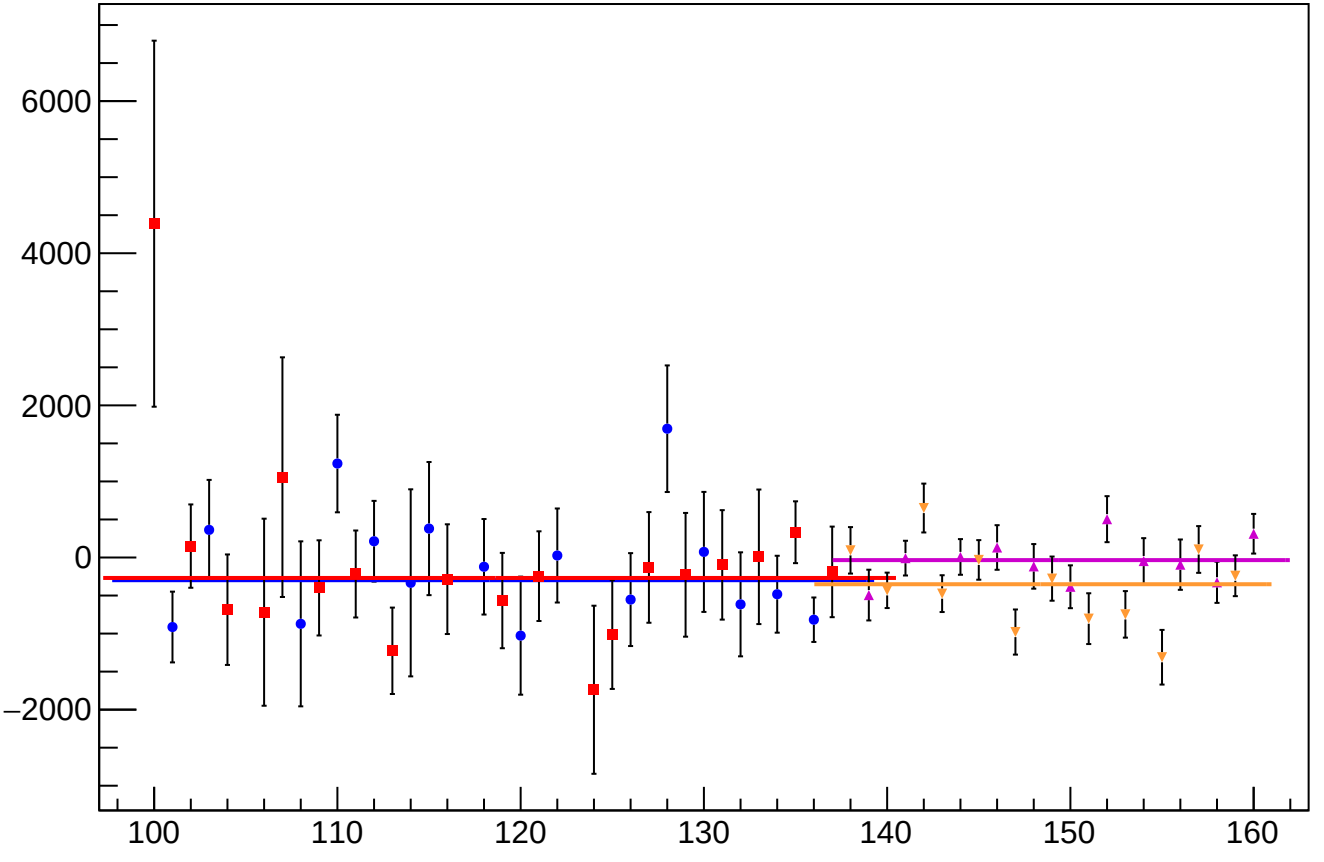
Left In: 328207.831+/-76.458 χ^2/NDF:450809.5/10

+ sign 393.601+/-0.245 χ^2/NDF: 29967190.9/26

All: 392.170+/-0.167 χ^2/NDF: 59875464.5/55

- 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: -351.297+/-82.810 χ^2/NDF:31.3/11

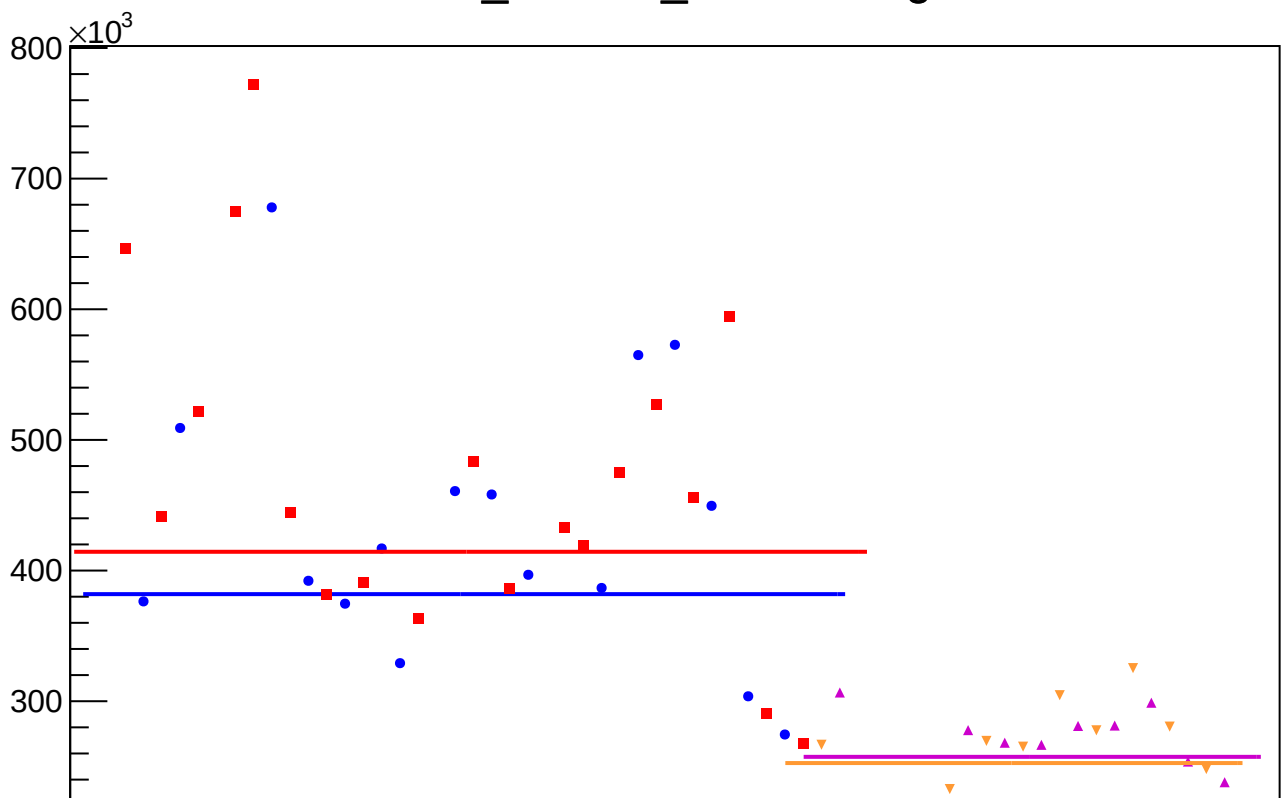
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -34.249+/-83.998 χ^2/NDF:10.0/10

+ sign -338.570+/-72.193 χ^2/NDF: 52.6/27

All: -215.774+/-51.682 χ^2/NDF: 84.2/57

- 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: 252670.552+/-58.556 χ^2/NDF:319108.0/11

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

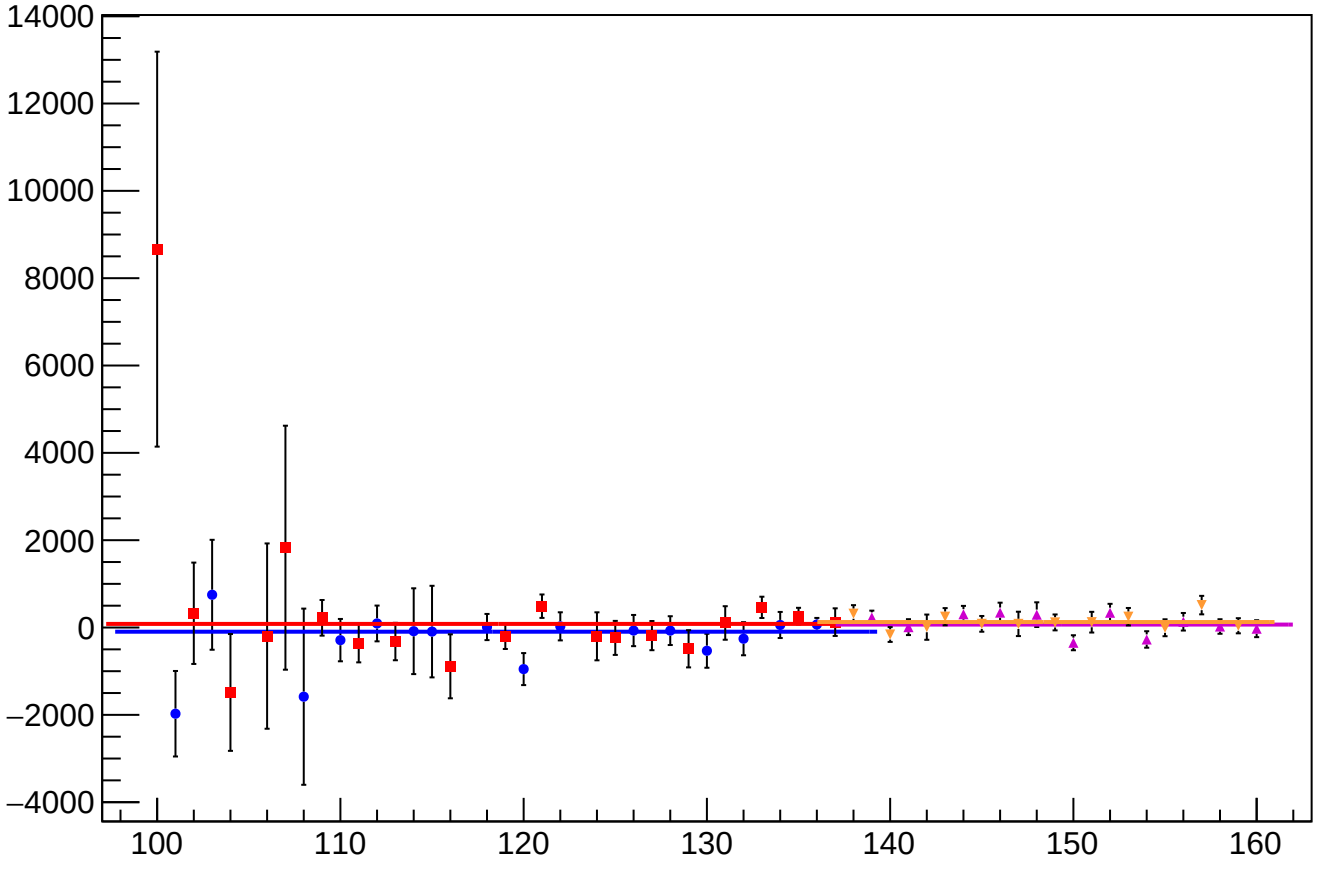
Left In: 257428.978+/-59.396 χ^2/NDF:245875.5/10

+ sign 283689.854+/-51.050 χ^2/NDF: 2325211.2/27

All: 287979.010+/-36.546 χ^2/NDF: 4905388.

- 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: 125.801+/-57.981 χ^2/NDF:8.8/11

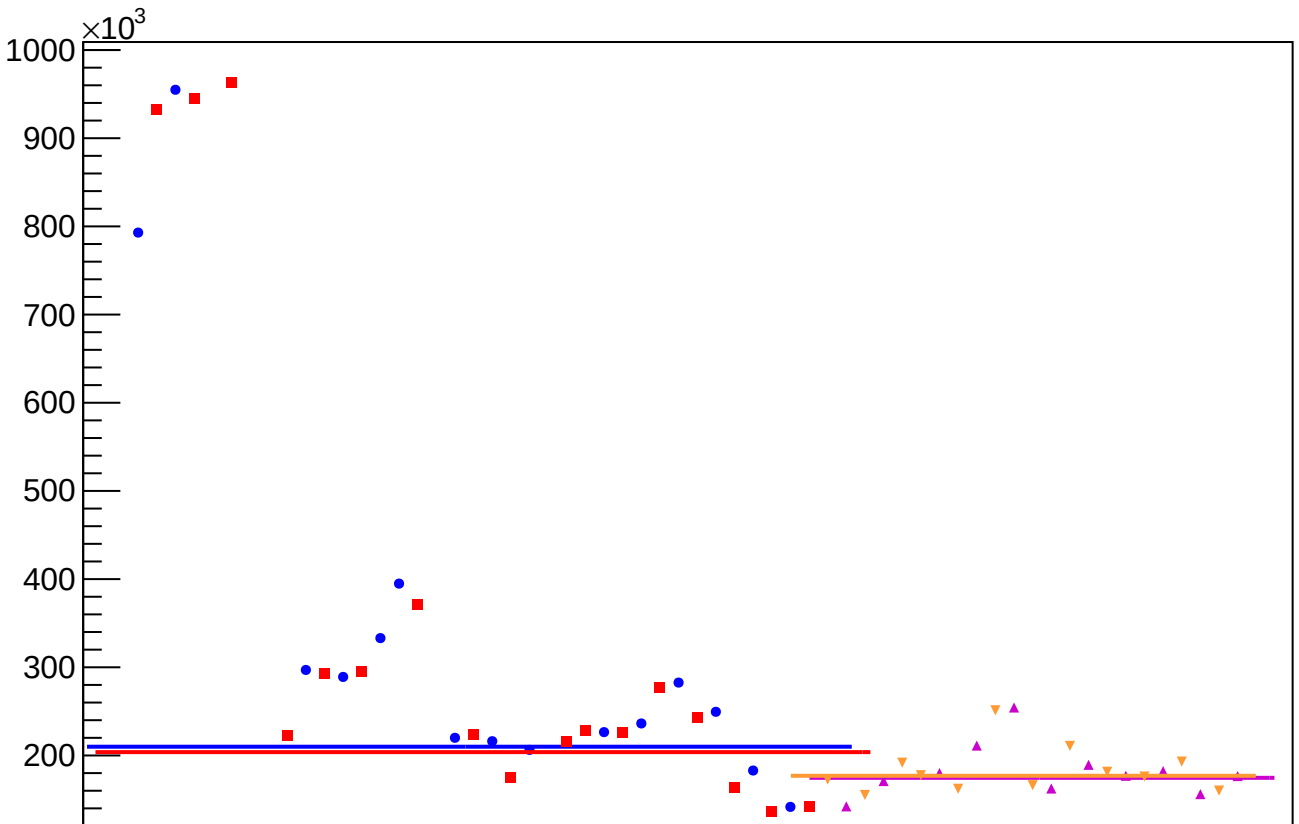
Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: 67.606+/-57.320 χ^2/NDF:16.2/10

+ sign 58.988+/-48.461 χ^2/NDF: 26.9/27

All: 65.651+/-34.073 χ^2/NDF: 62.3/57

- sign 72.167+/-47.917 χ^2/NDF: 35.3/29



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 176975.877+/-40.999 χ^2/NDF:273167.4/11

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

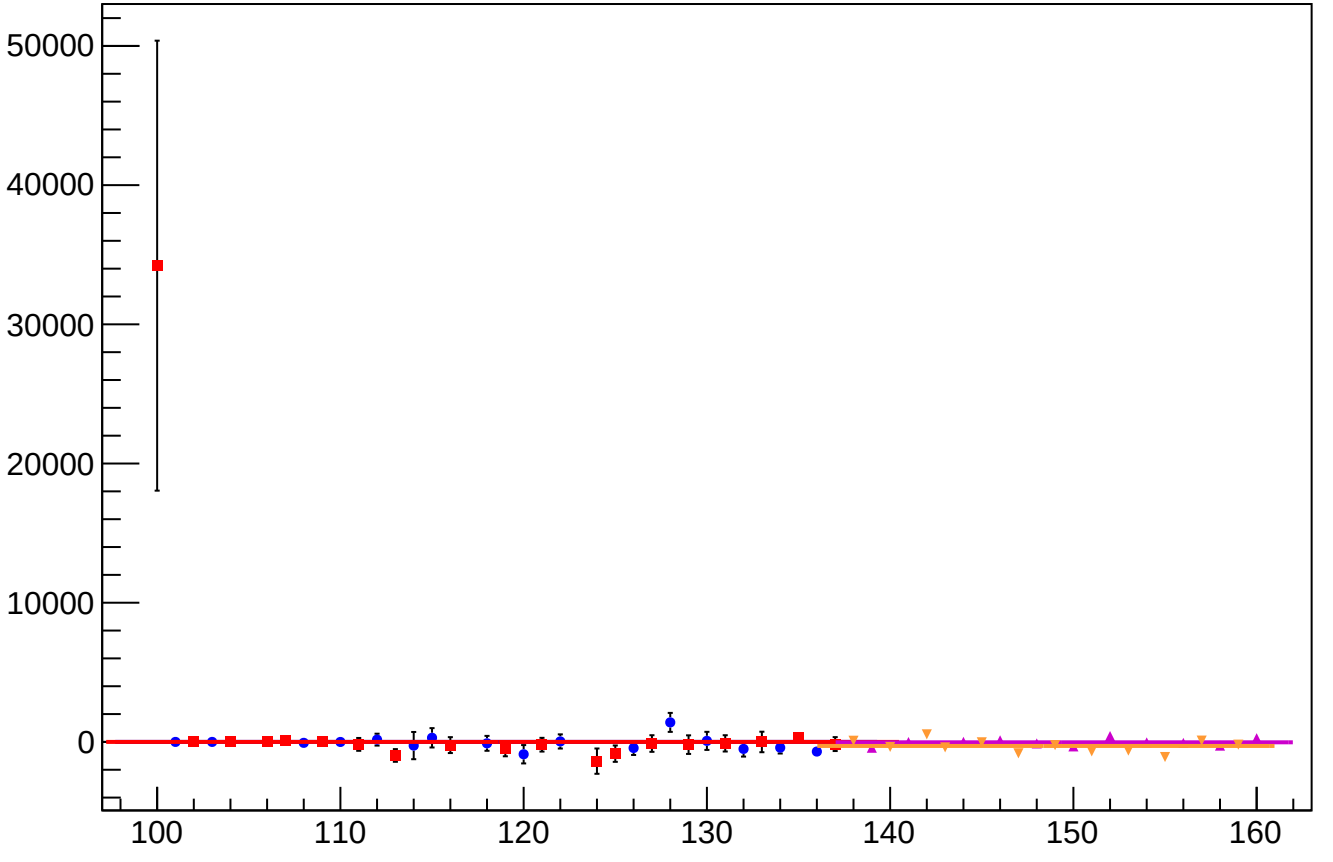
Left In: 174649.031+/-40.531 χ^2/NDF:348440.1/10

+ sign 186884.935+/-34.285 χ^2/NDF: 2427325.7/26

All: 185121.125+/-24.109 χ^2/NDF: 5006655.

- 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: -290.396+/-69.214 χ^2/NDF:31.4/11

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

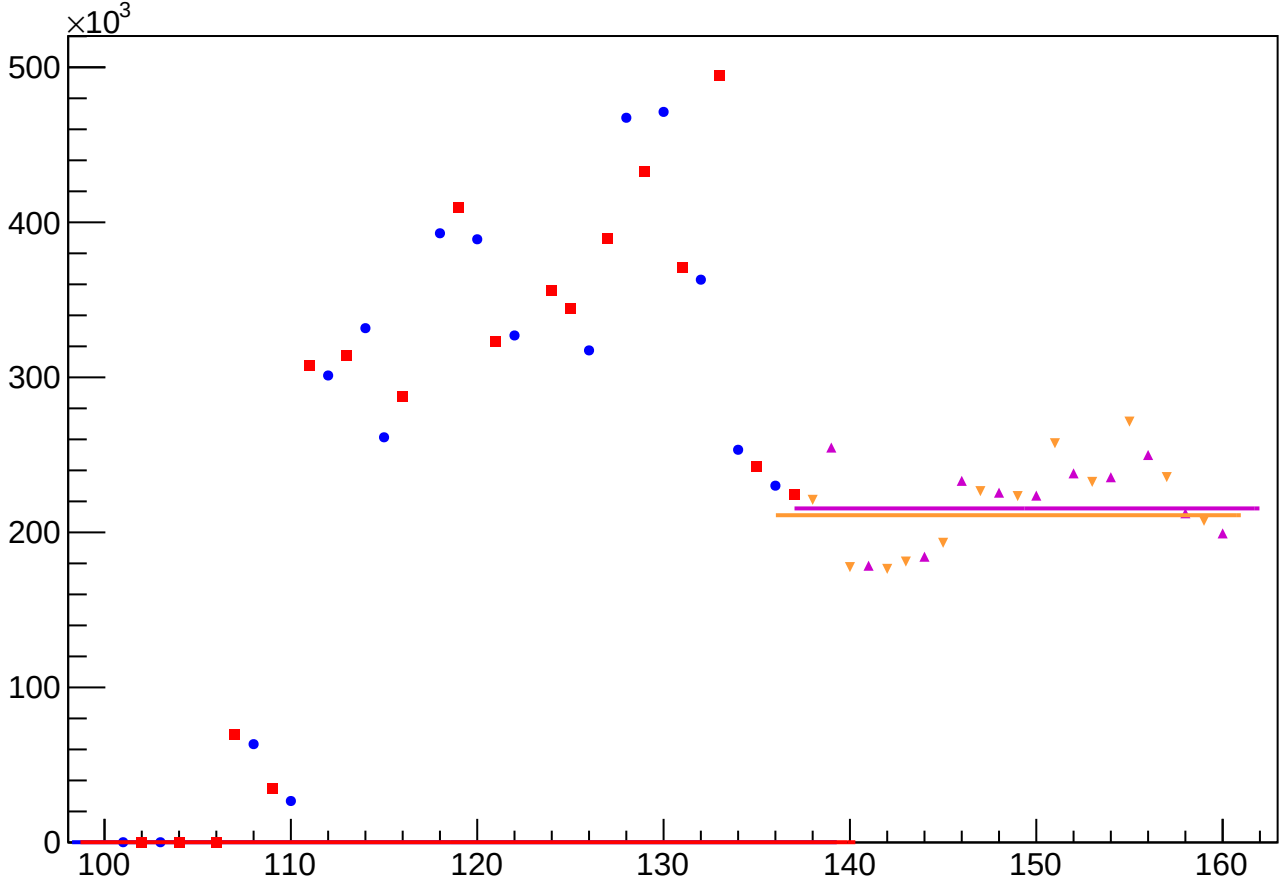
Left In: -28.588+/-70.319 χ^2/NDF:10.0/10

+ sign -0.037+/-0.172 χ^2/NDF: 67.1/27

All: -0.208+/-0.117 χ^2/NDF: 95.6/57

- sign -0.355+/-0.160 χ^2/NDF: 26.7/29

diff_cav4dX_rms vs Slug



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 211079.335+/-48.942 χ^2/NDF:334520.6/11

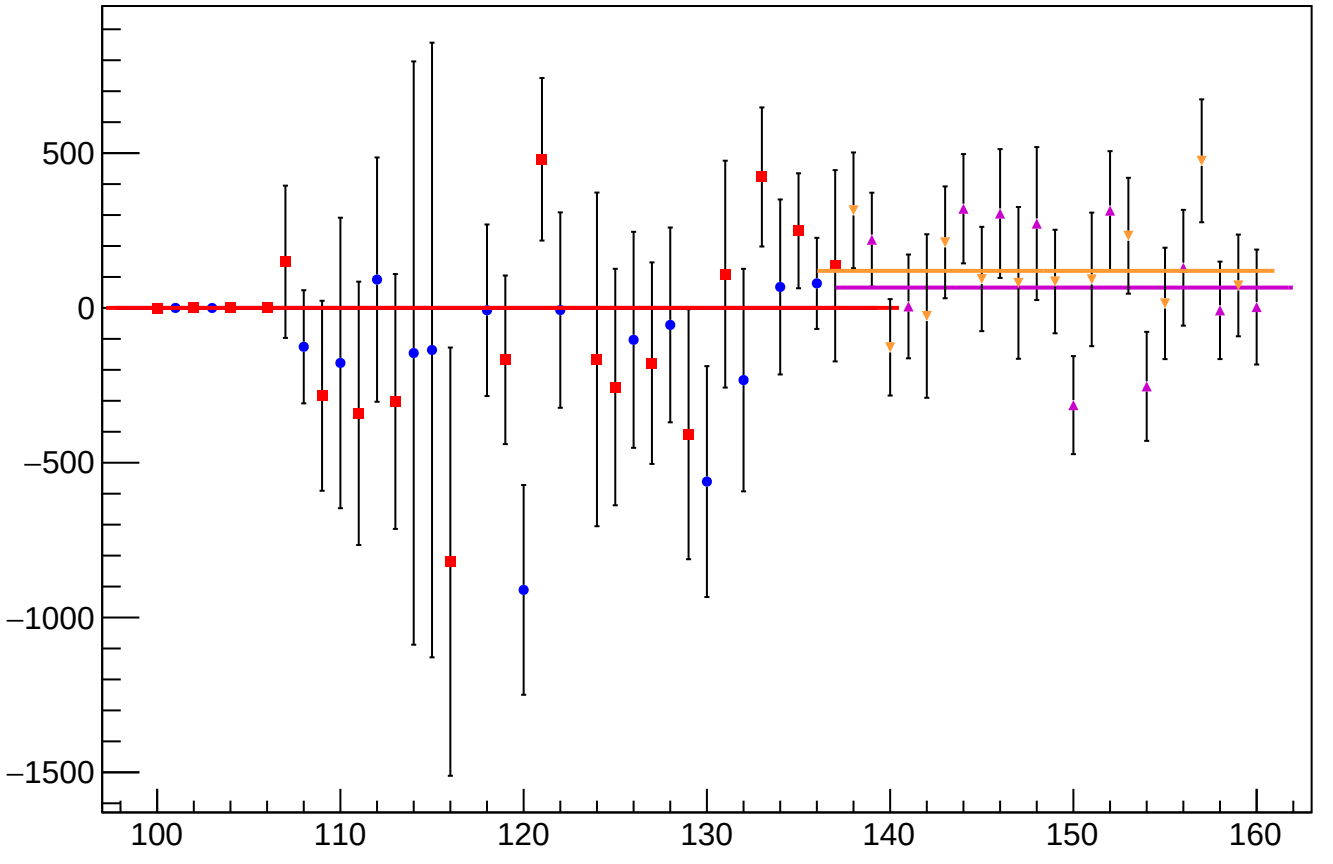
Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 215462.929+/-49.723 χ^2/NDF:253267.8/10

+ sign 150.399+/-0.122 χ^2/NDF: 30210802.5/27

All: 150.450+/-0.083 χ^2/NDF: 60503719.1/56

- 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: 119.710+/-53.771 χ^2/NDF:8.3/11

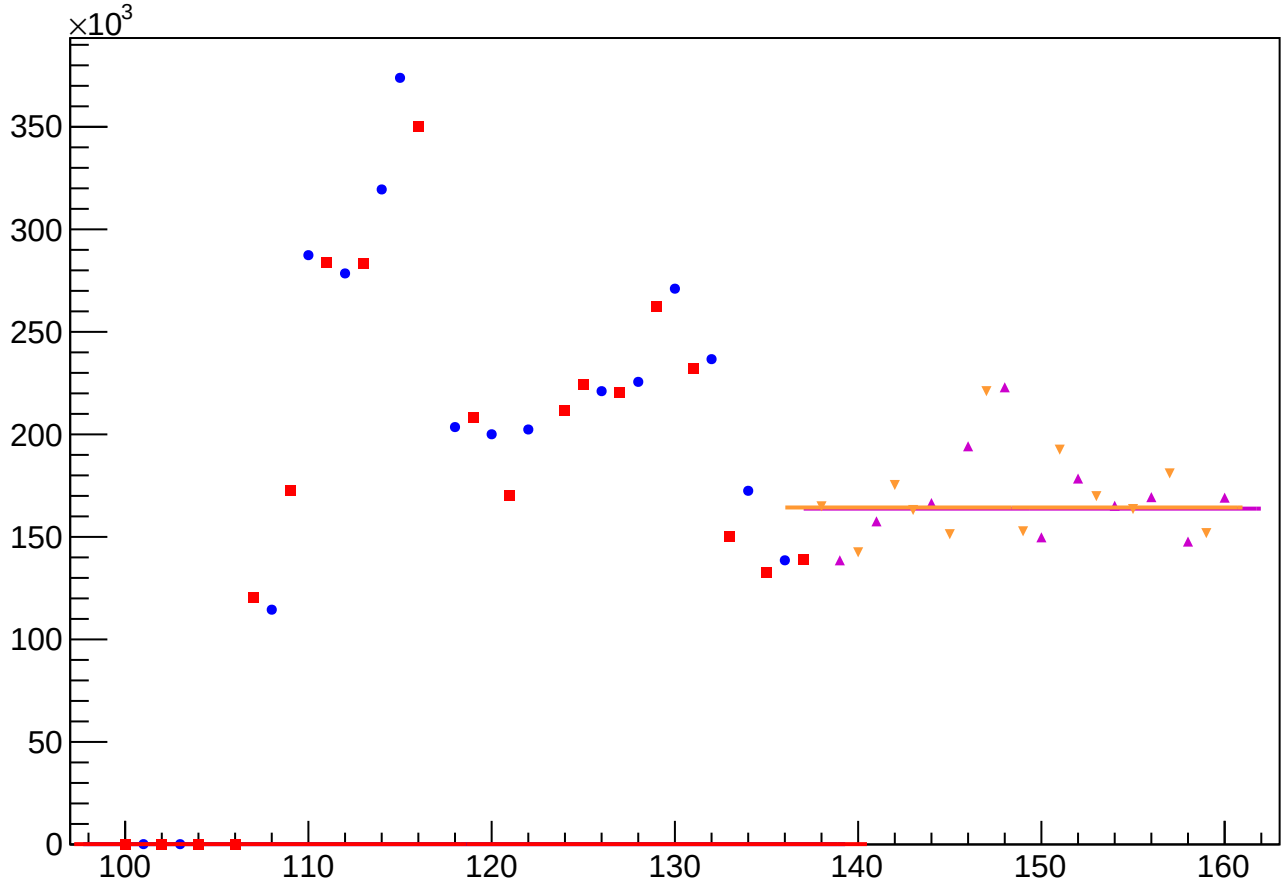
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 65.676+/-53.616 χ^2/NDF:16.4/10

+ sign -0.067+/-0.177 χ^2/NDF: 24.5/27

All: 0.036+/-0.121 χ^2/NDF: 58.3/57

- sign 0.127+/-0.166 χ^2/NDF: 33.2/29



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 164349.129+/-38.022 χ^2/NDF:233342.5/11

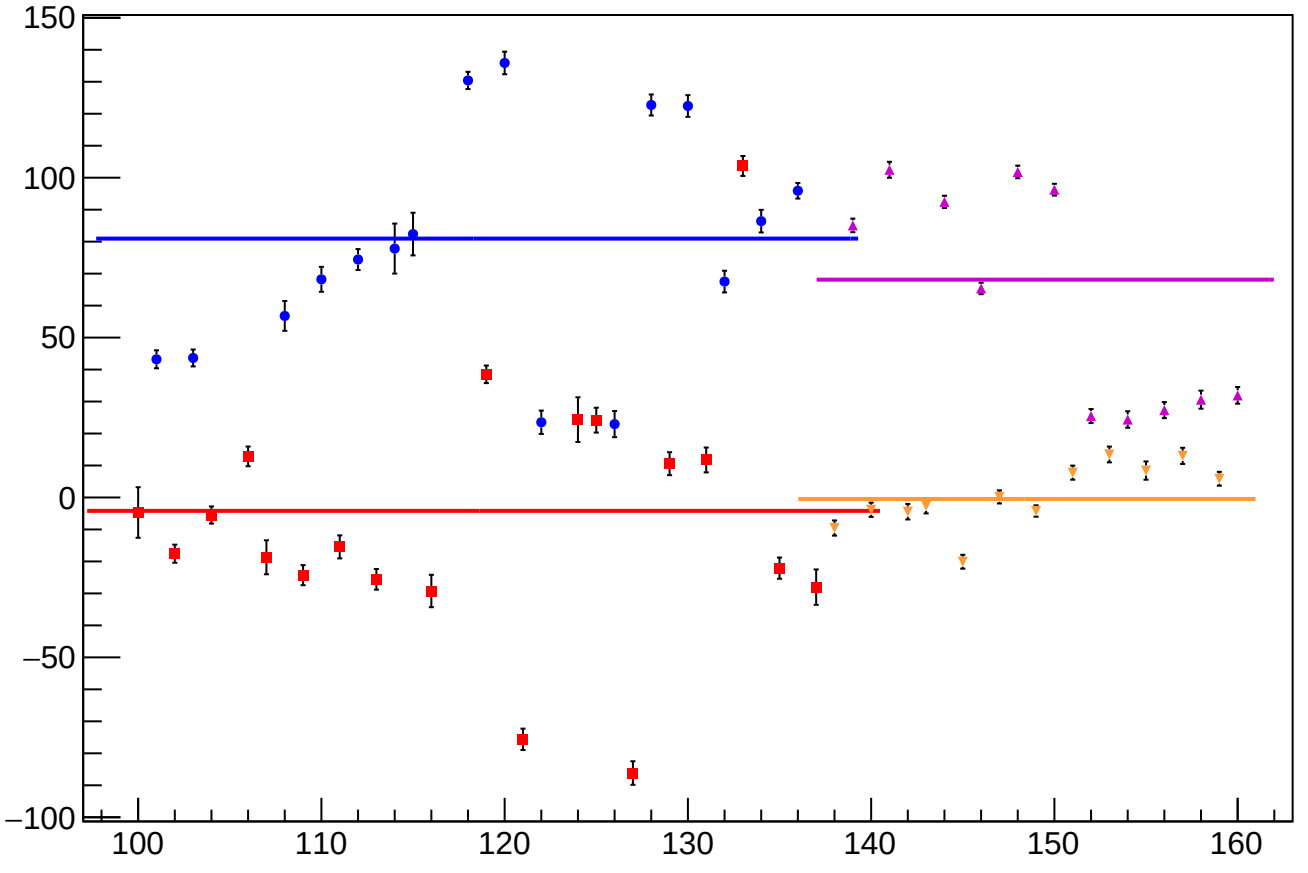
Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 163791.984+/-37.913 χ^2/NDF:267647.4/10

+ sign 155.244+/-0.125 χ^2/NDF: 30786941.2/27

All: 156.567+/-0.086 χ^2/NDF: 61014541.3/57

- sign 157.735+/-0.118 χ^2/NDF: 30227390.1/29



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -0.469+/-0.652 χ^2/NDF:199.2/11

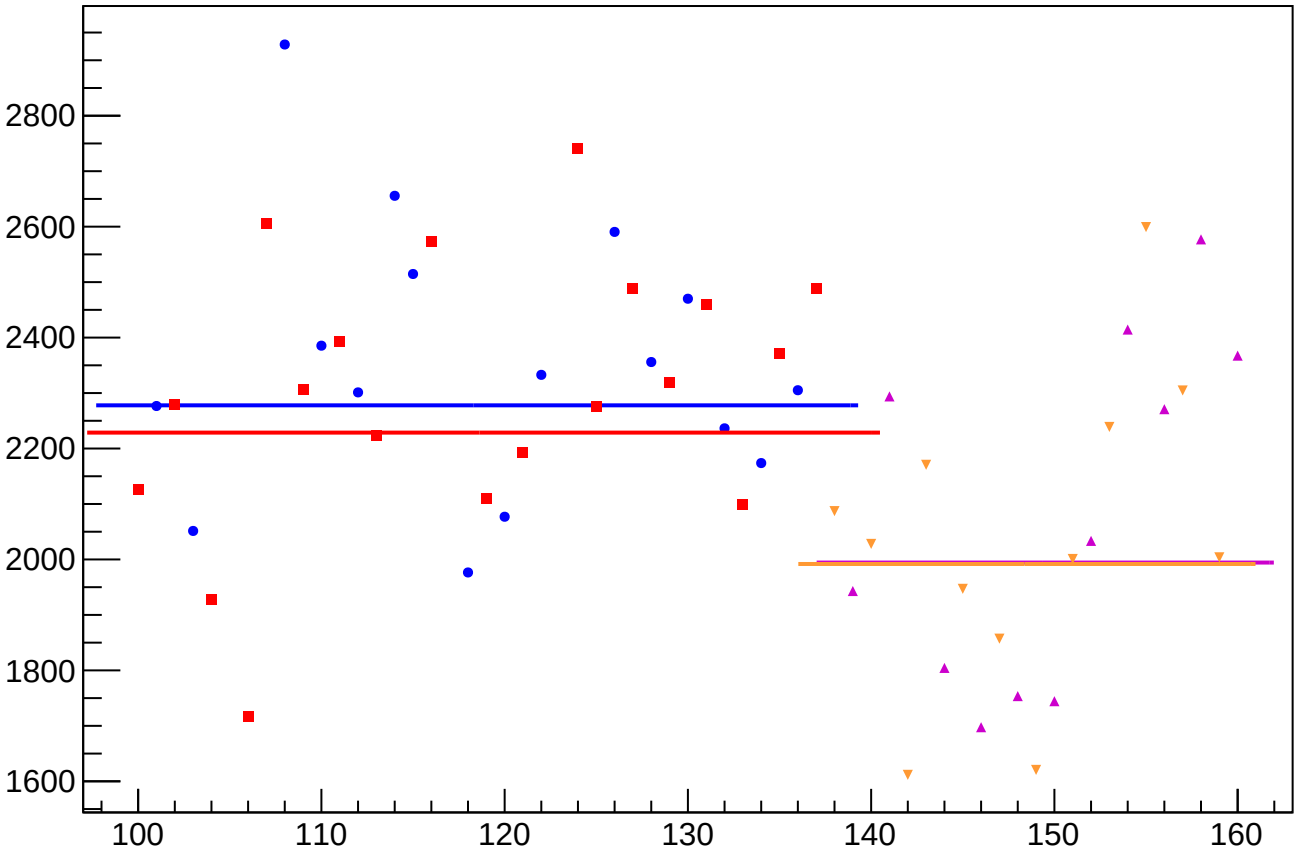
Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: 68.115+/-0.659 χ^2/NDF:2237.1/10

+ sign 29.640+/-0.518 χ^2/NDF: 7776.4/27

All: 34.740+/-0.365 χ^2/NDF: 17649.2/57

- 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: 1991.825+/-0.461 χ^2/NDF:301370.7/11

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

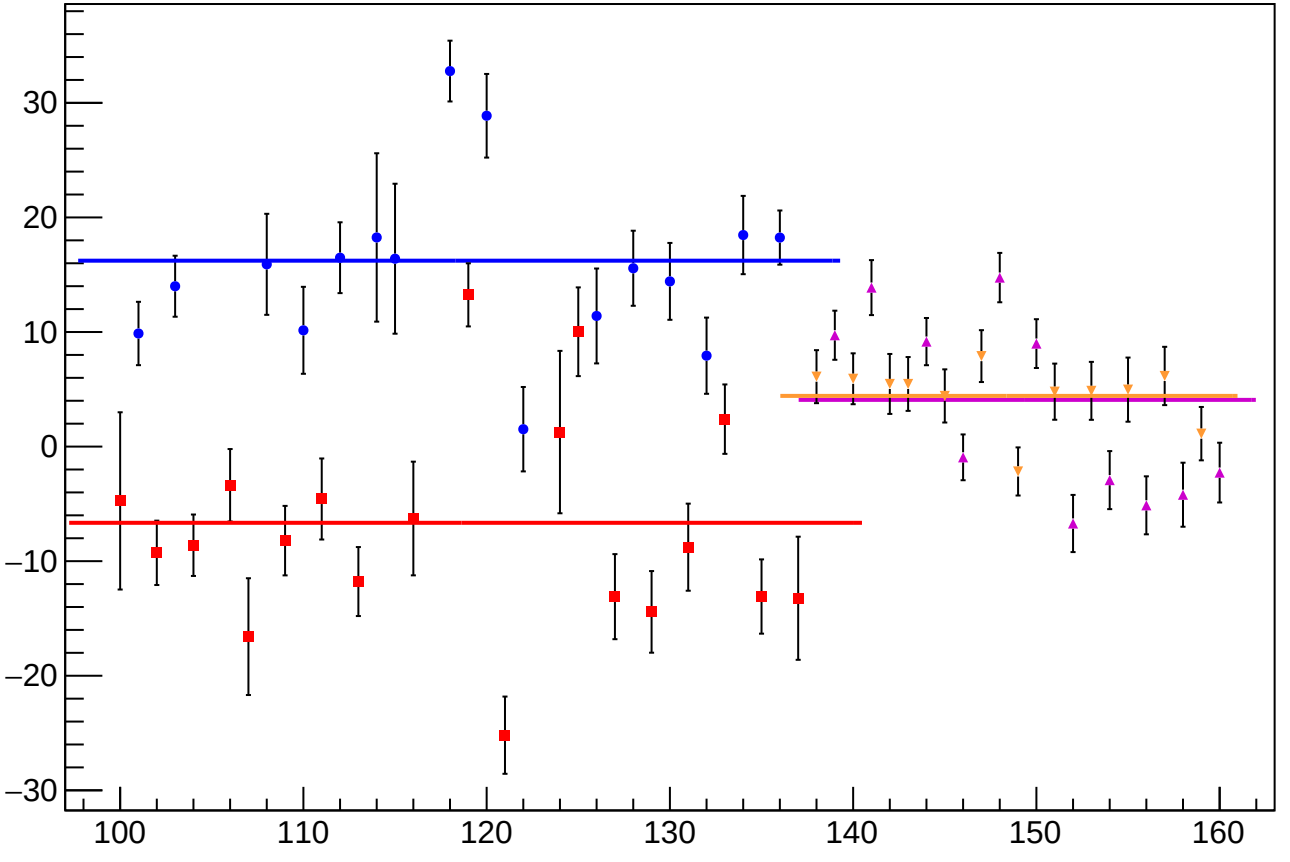
Left In: 1994.397+/-0.466 χ^2/NDF:374785.1/10

+ sign 2097.599+/-0.366 χ^2/NDF: 559394.1/27

All: 2091.899+/-0.258 χ^2/NDF: 1185006.1/57

- 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: 4.425+/-0.688 χ^2/NDF:16.1/11

Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

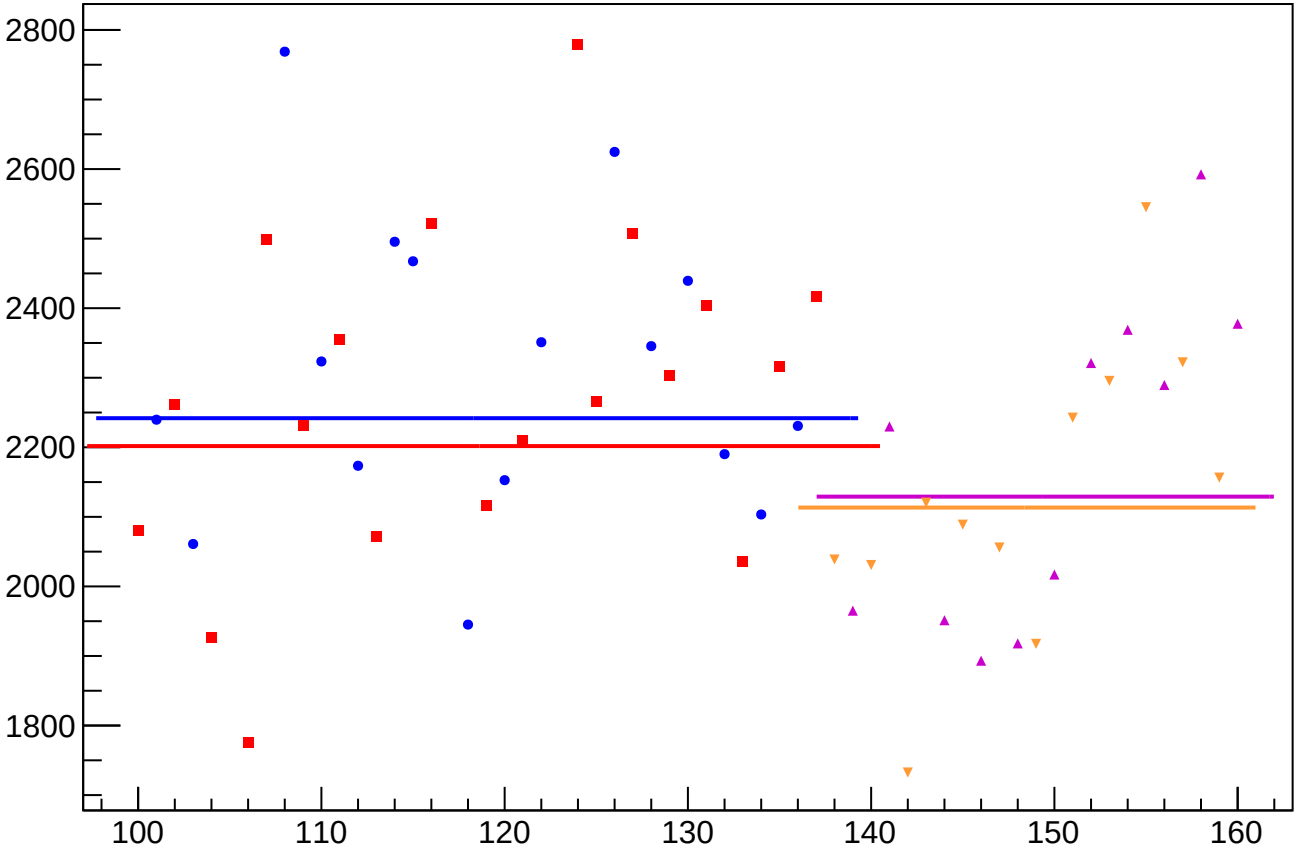
Left In: 4.077+/-0.697 χ^2/NDF:120.1/10

+ sign 9.177+/-0.532 χ^2/NDF: 219.2/27

All: 4.311+/-0.375 χ^2/NDF: 741.3/57

- 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: 2113.394+/-0.486 χ^2/NDF:143866.3/11

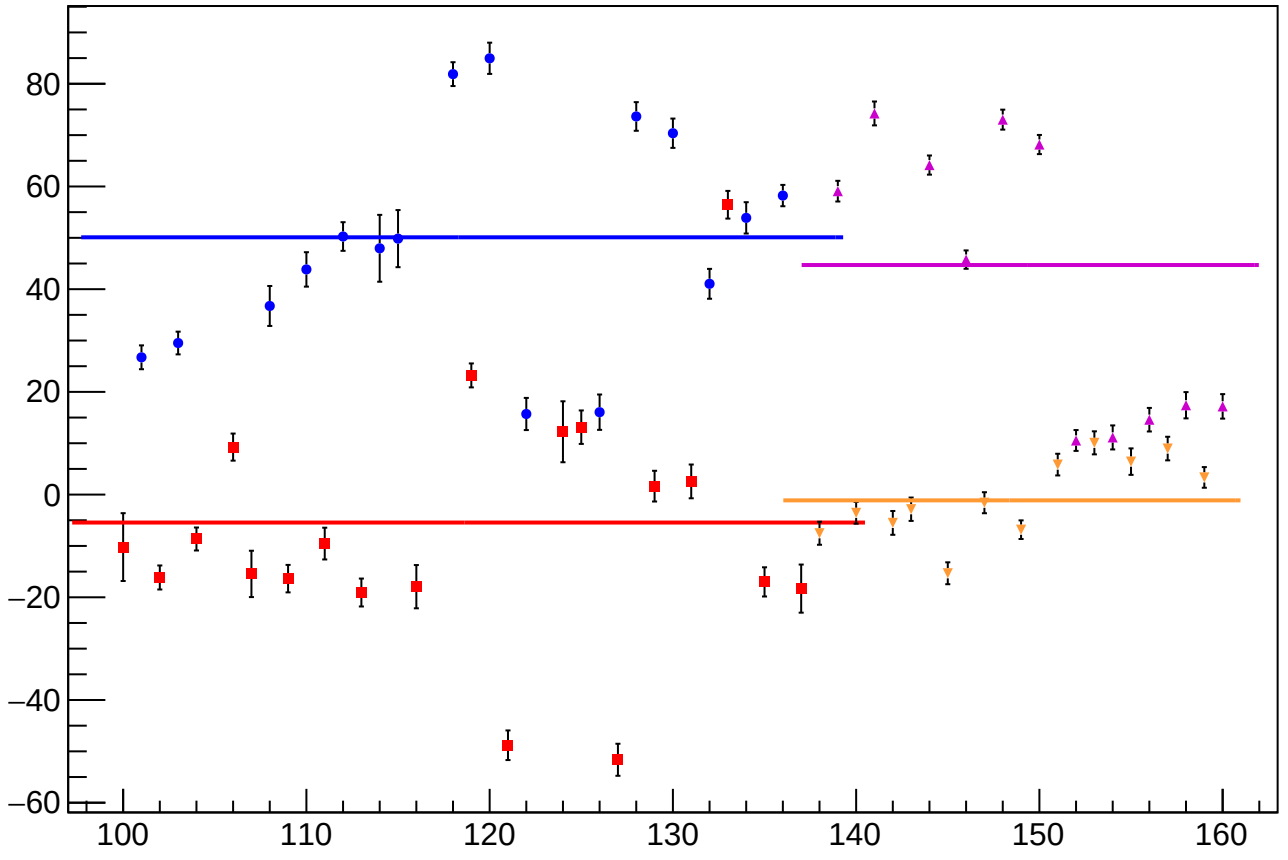
Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2129.079+/-0.493 χ^2/NDF:193660.7/10

+ sign 2165.127+/-0.376 χ^2/NDF: 274223.9/27

All: 2162.547+/-0.265 χ^2/NDF: 607121.3/57

- sign 2160.001+/-0.373 χ^2/NDF: 332803.7/29



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -1.125+/-0.623 χ^2/NDF:136.5/11

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

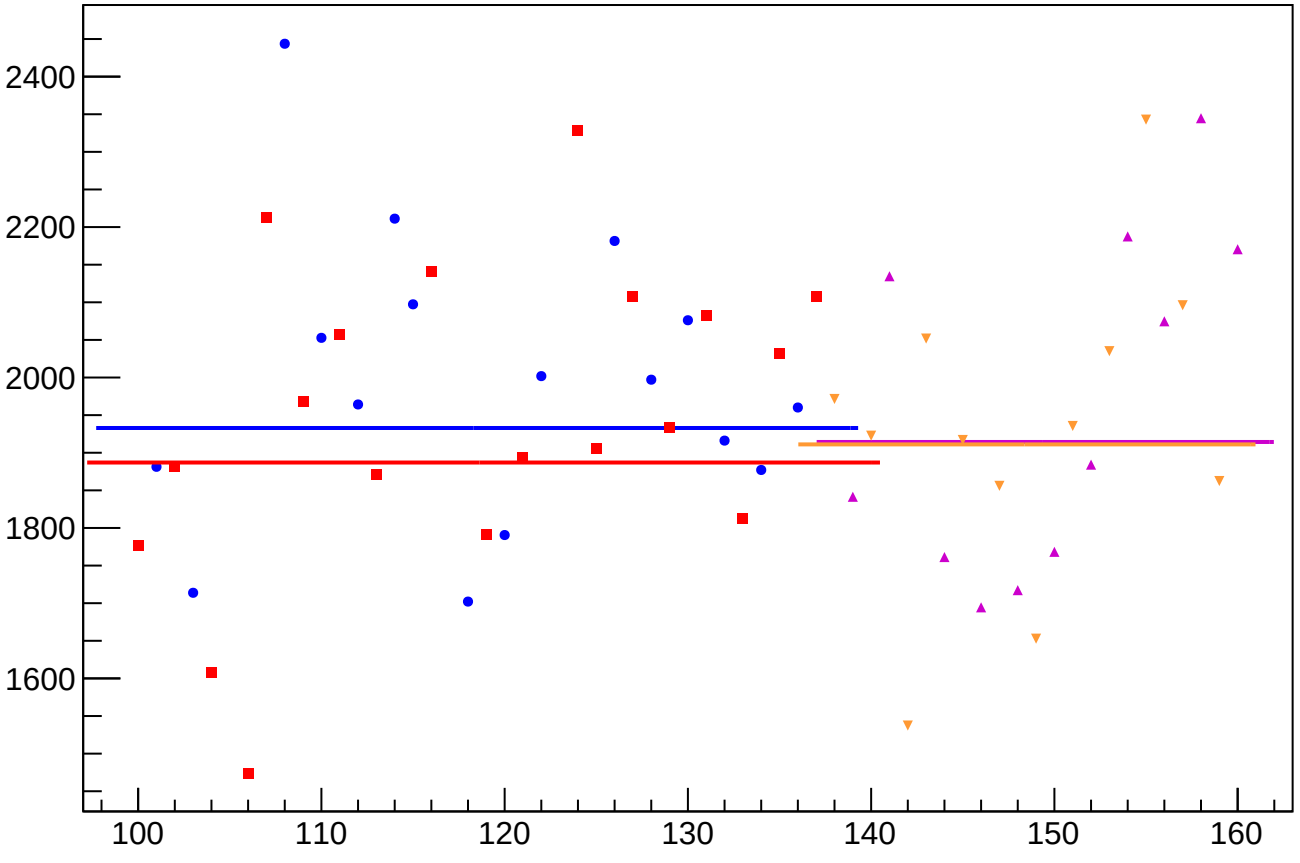
Left In: 44.705+/-0.629 χ^2/NDF:1600.0/10

\+ sign 20.738+/-0.472 χ^2/NDF: 3909.8/27

All: 21.424+/-0.332 χ^2/NDF: 9690.6/57

\- 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: 1911.101+/-0.441 χ^2/NDF:179786.9/11

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

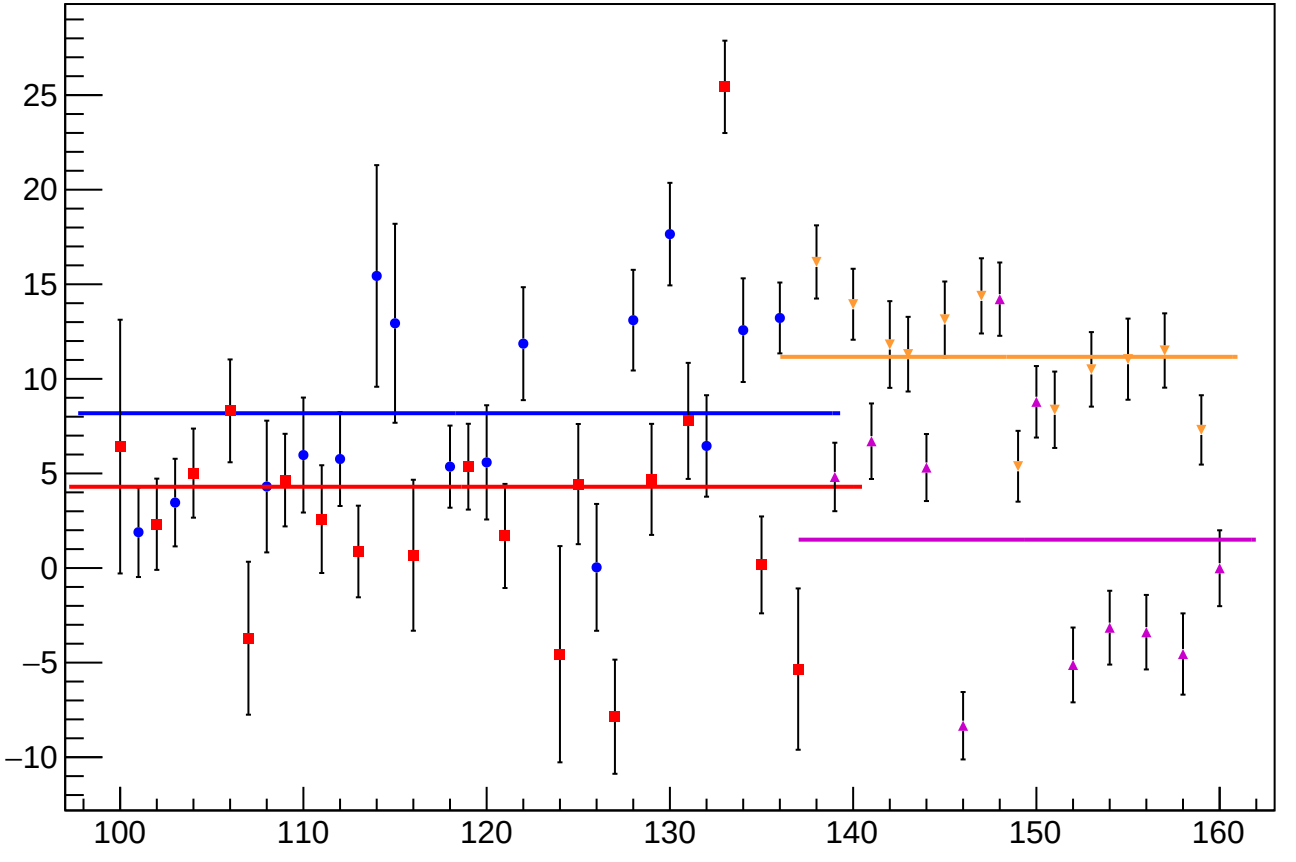
Left In: 1914.316+/-0.445 χ^2/NDF:214223.4/10

+ sign 1920.406+/-0.334 χ^2/NDF: 286799.6/27

All: 1911.095+/-0.234 χ^2/NDF: 654009.0/57

- 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: 11.165+/-0.571 χ^2/NDF:28.7/11

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

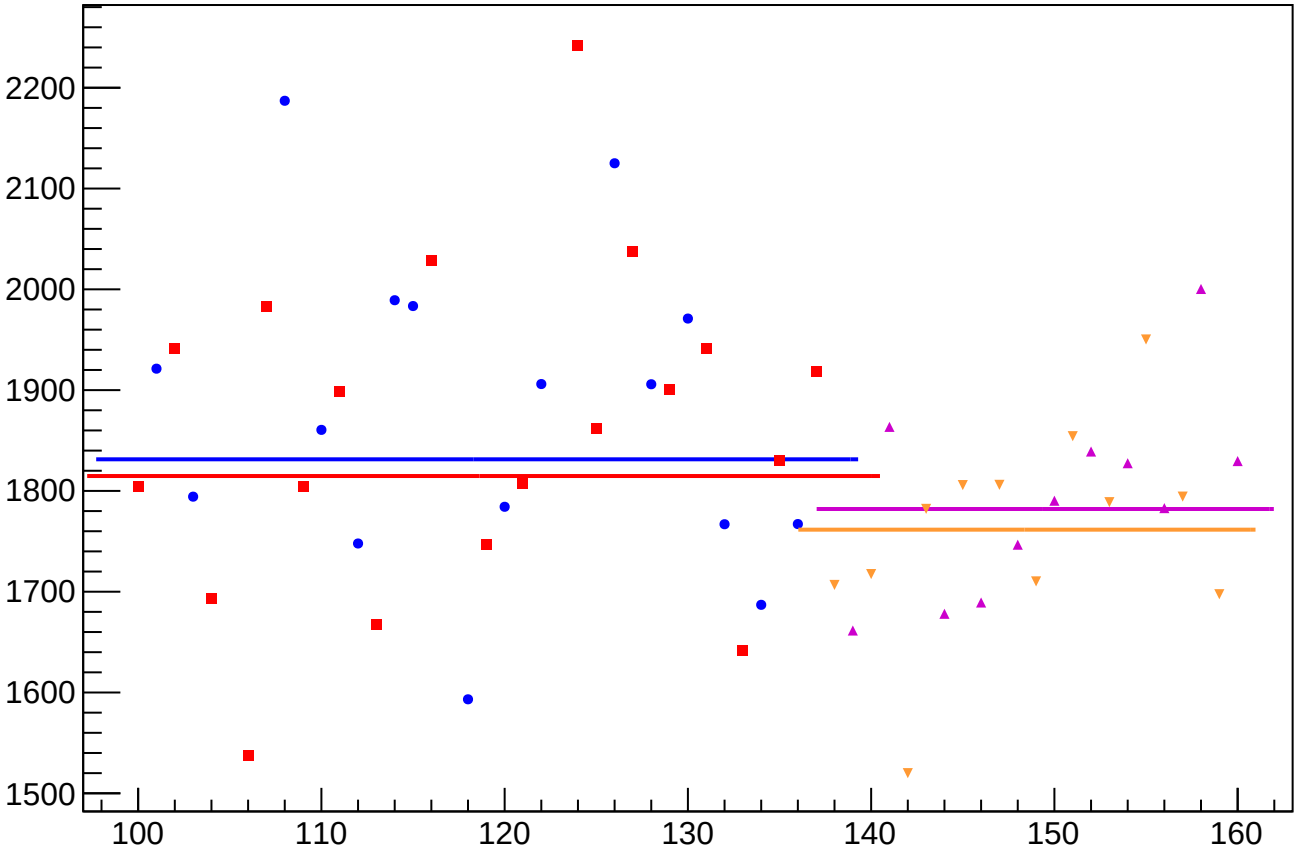
Left In: 1.499+/-0.580 χ^2/NDF:134.7/10

+ sign 9.938+/-0.438 χ^2/NDF: 91.8/27

All: 6.311+/-0.310 χ^2/NDF: 487.0/57

- 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: 1761.558+/-0.404 χ^2/NDF:51715.5/11

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

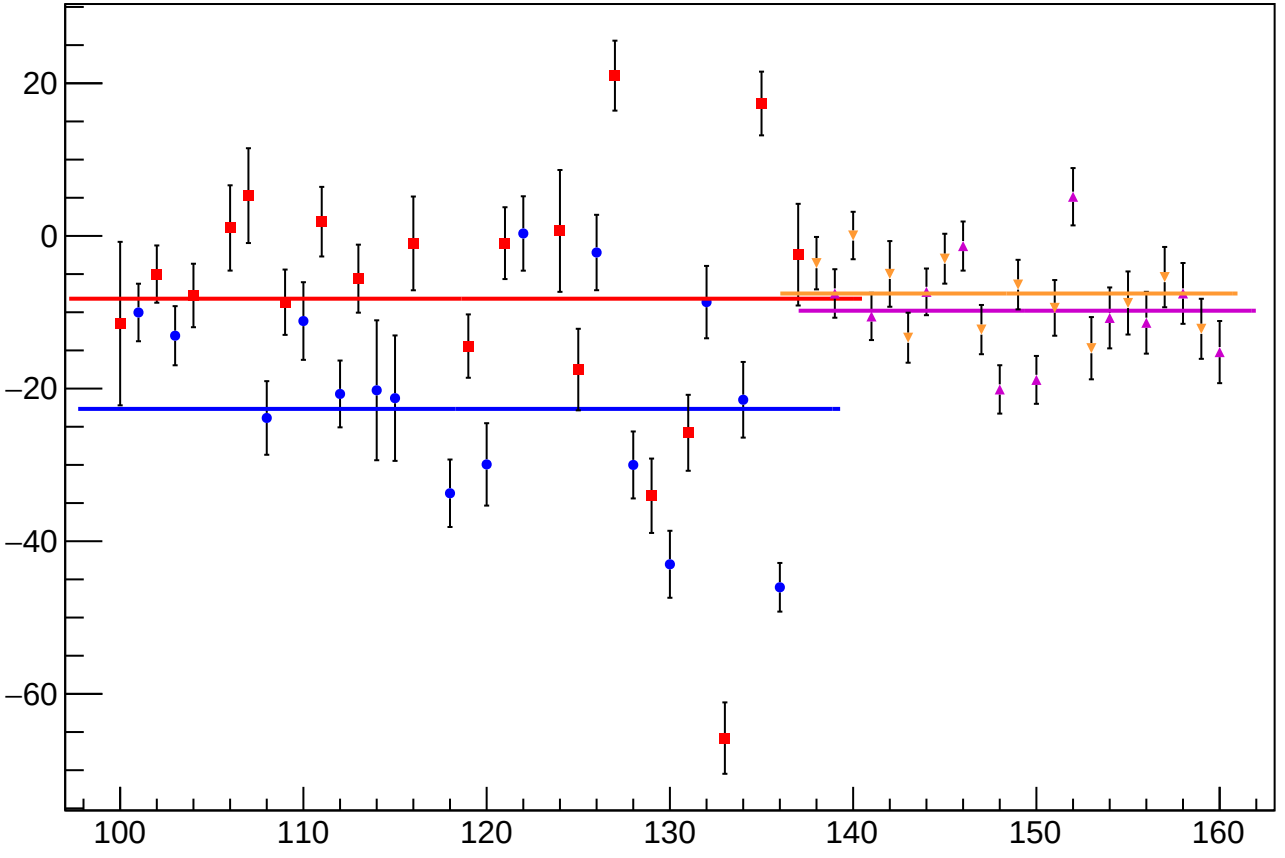
Left In: 1782.062+/-0.410 χ^2/NDF:49746.8/10

+ sign 1790.270+/-0.310 χ^2/NDF: 150910.9/27

All: 1793.230+/-0.219 χ^2/NDF: 294326.5/57

- 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: -7.544+/-1.030 χ^2/NDF:20.2/11

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

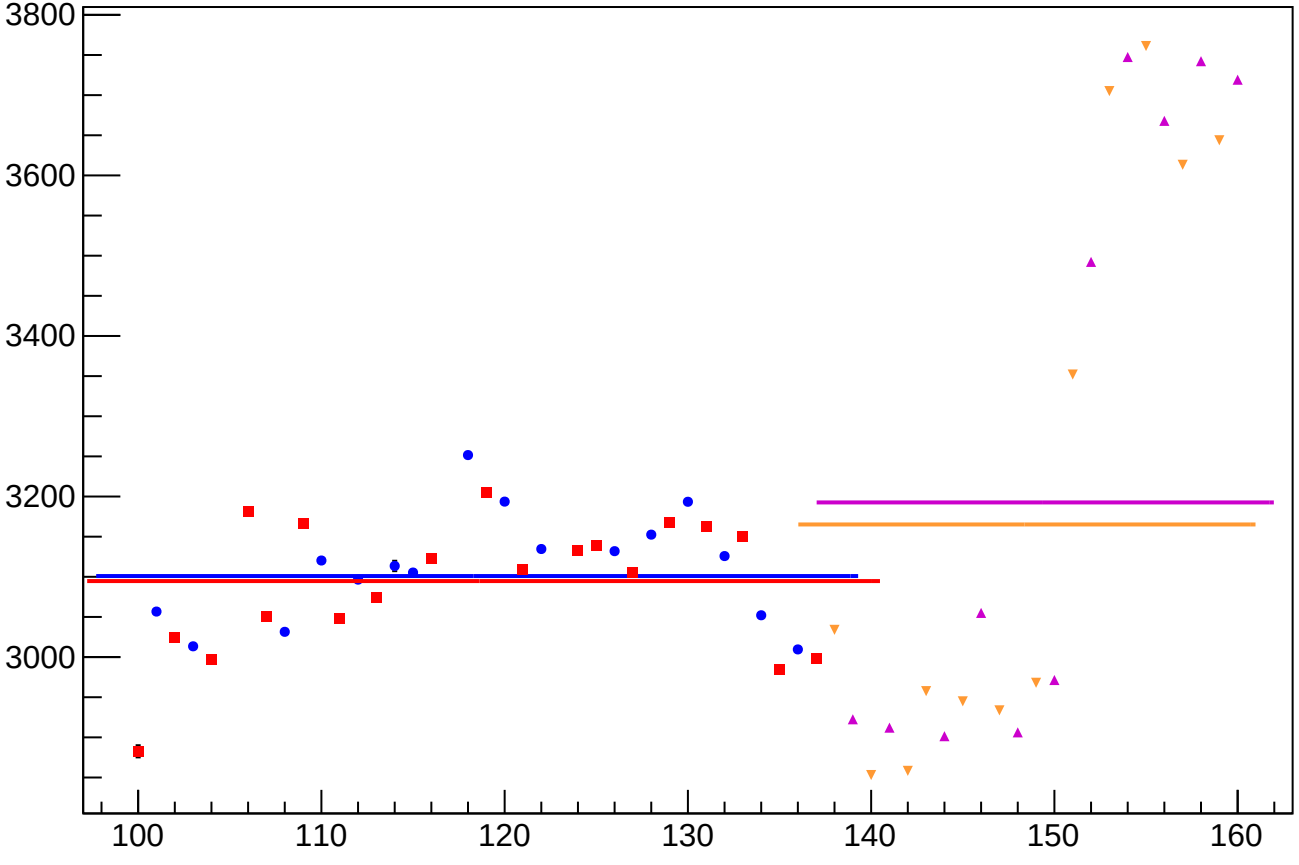
Left In: -9.798+/-1.039 χ^2/NDF:45.2/10

+ sign -14.261+/-0.768 χ^2/NDF: 273.1/27

All: -11.657+/-0.542 χ^2/NDF: 637.0/57

- sign -9.076+/-0.765 χ^2/NDF: 341.1/29

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3165.205+/-0.728 χ^2/NDF:205263.6/11

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

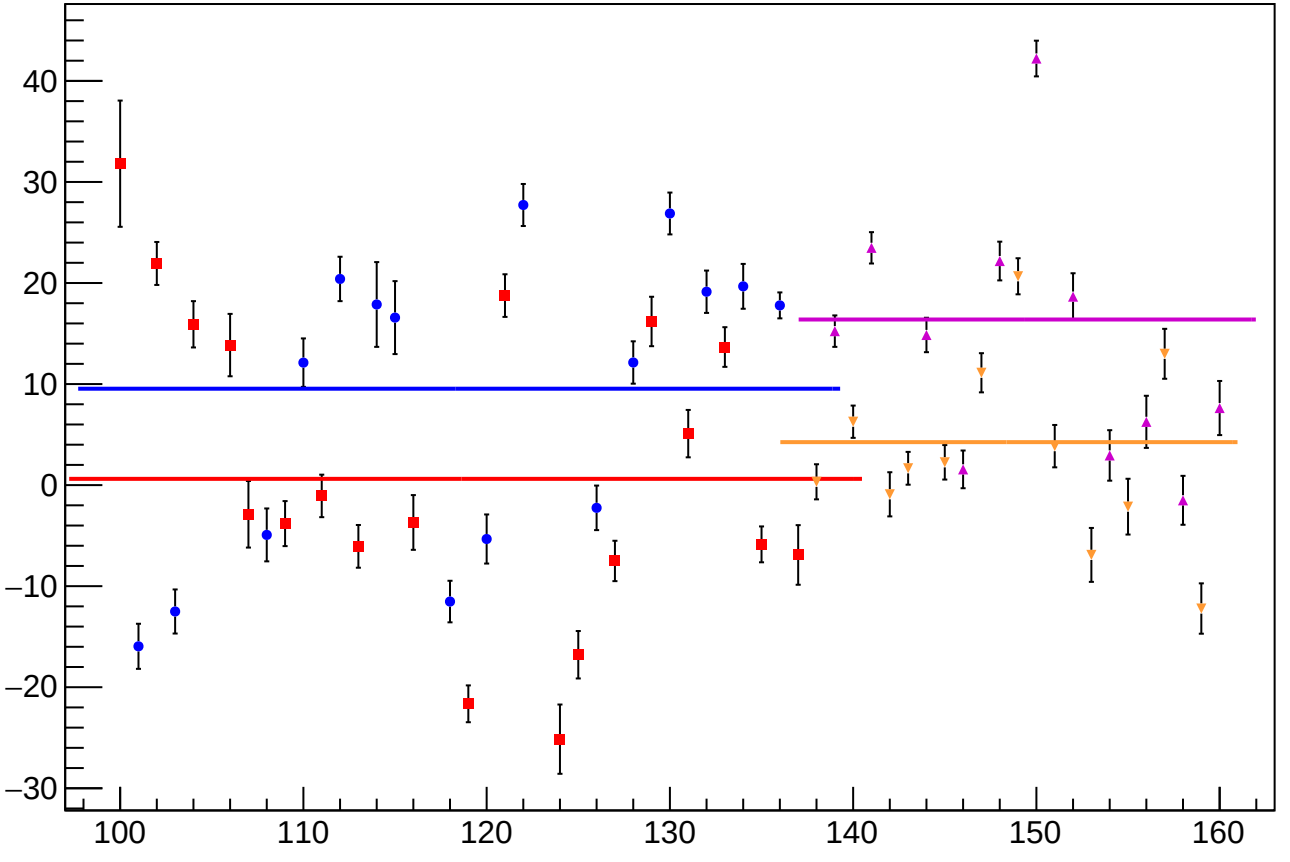
Left In: 3192.647+/-0.735 χ^2/NDF:229399.9/10

+ sign 3136.654+/-0.543 χ^2/NDF: 216616.6/27

All: 3142.207+/-0.383 χ^2/NDF: 462962.3/57

- 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: 4.253+/-0.572 χ^2/NDF:192.3/11

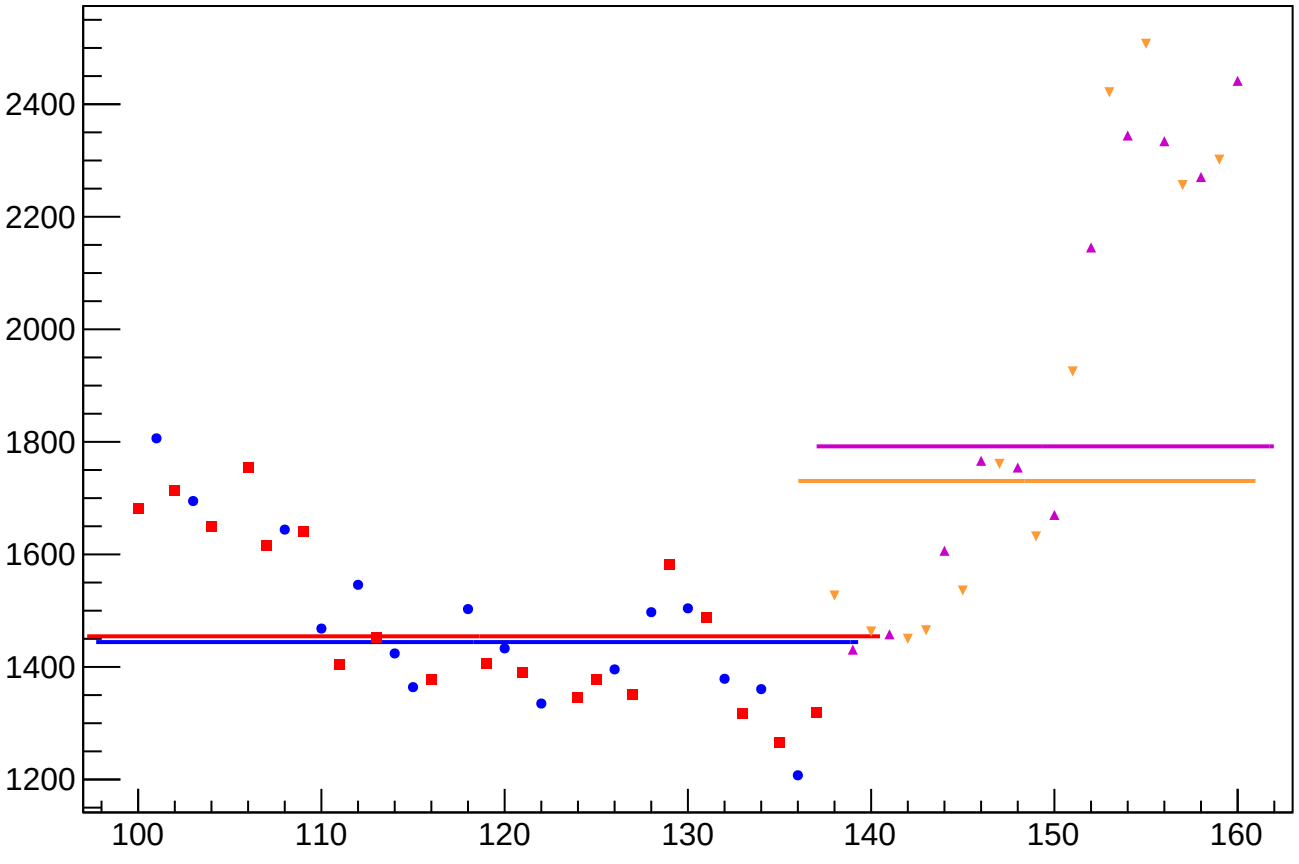
Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: 16.388+/-0.591 χ^2/NDF:418.8/10

\+ sign 7.041+/-0.393 χ^2/NDF: 936.1/27

All: 7.370+/-0.279 χ^2/NDF: 2413.7/57

\- 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: 1730.523+/-0.404 χ^2/NDF:707857.2/11

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

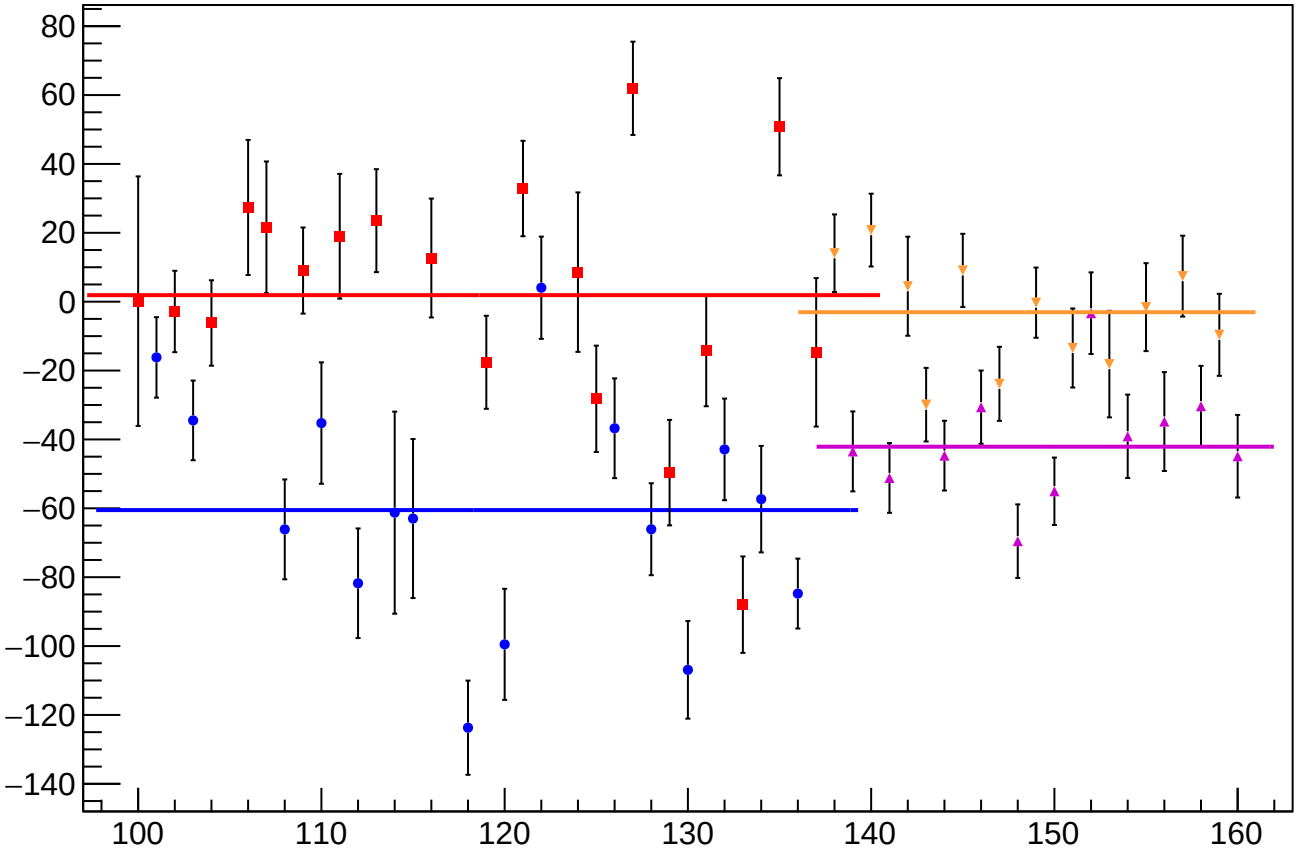
Left In: 1792.011+/-0.418 χ^2/NDF:663476.5/10

+ sign 1579.528+/-0.278 χ^2/NDF: 1152522.5/27

All: 1592.714+/-0.197 χ^2/NDF: 2322185.5/57

- 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: -3.052+/-3.338 χ^2/NDF:22.0/11

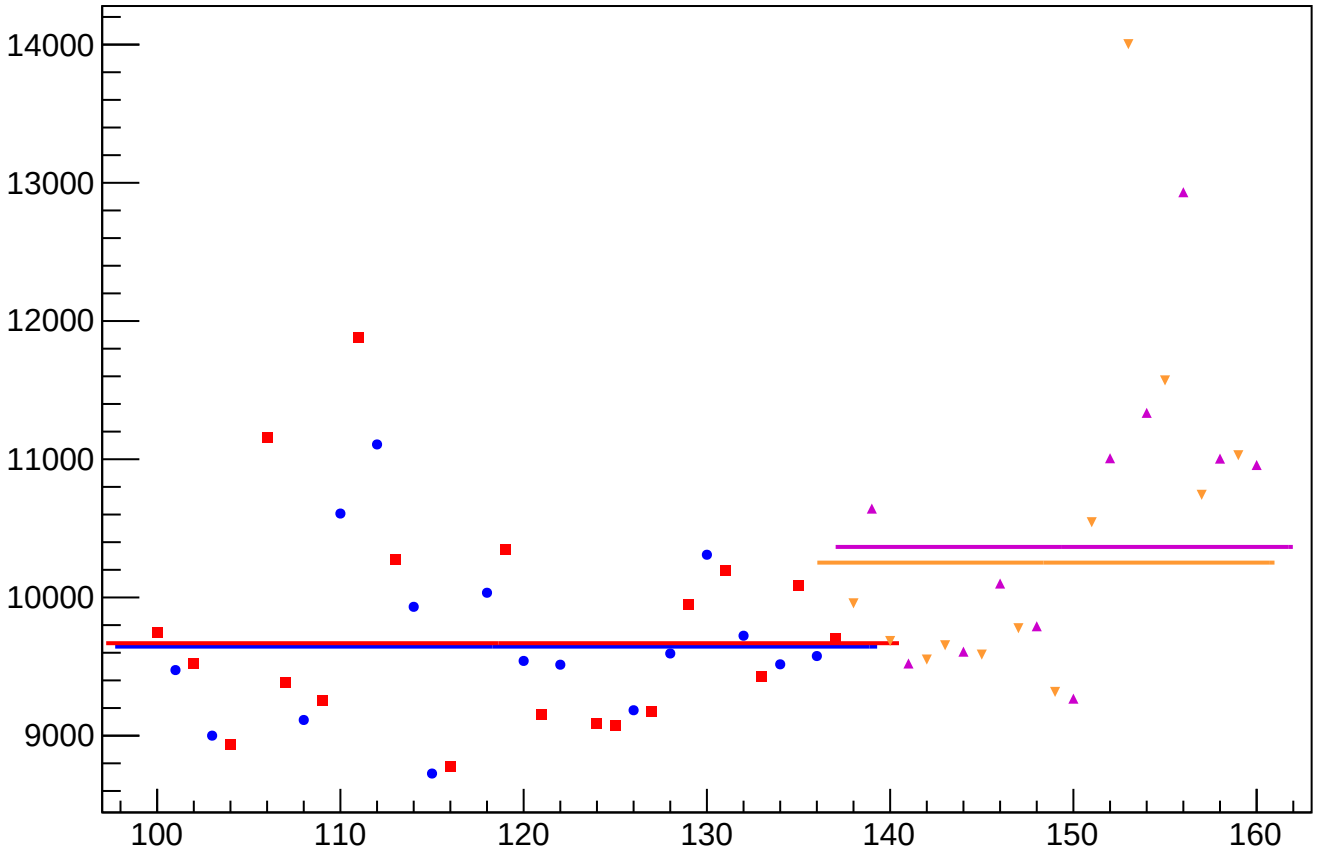
Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: -42.107+/-3.371 χ^2/NDF:22.5/10

+ sign -29.648+/-2.447 χ^2/NDF: 249.5/27

All: -25.417+/-1.728 χ^2/NDF: 462.7/57

- sign -21.202+/-2.442 χ^2/NDF: 207.3/29



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10252.149+/-2.360 χ^2/NDF:198994.0/11

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

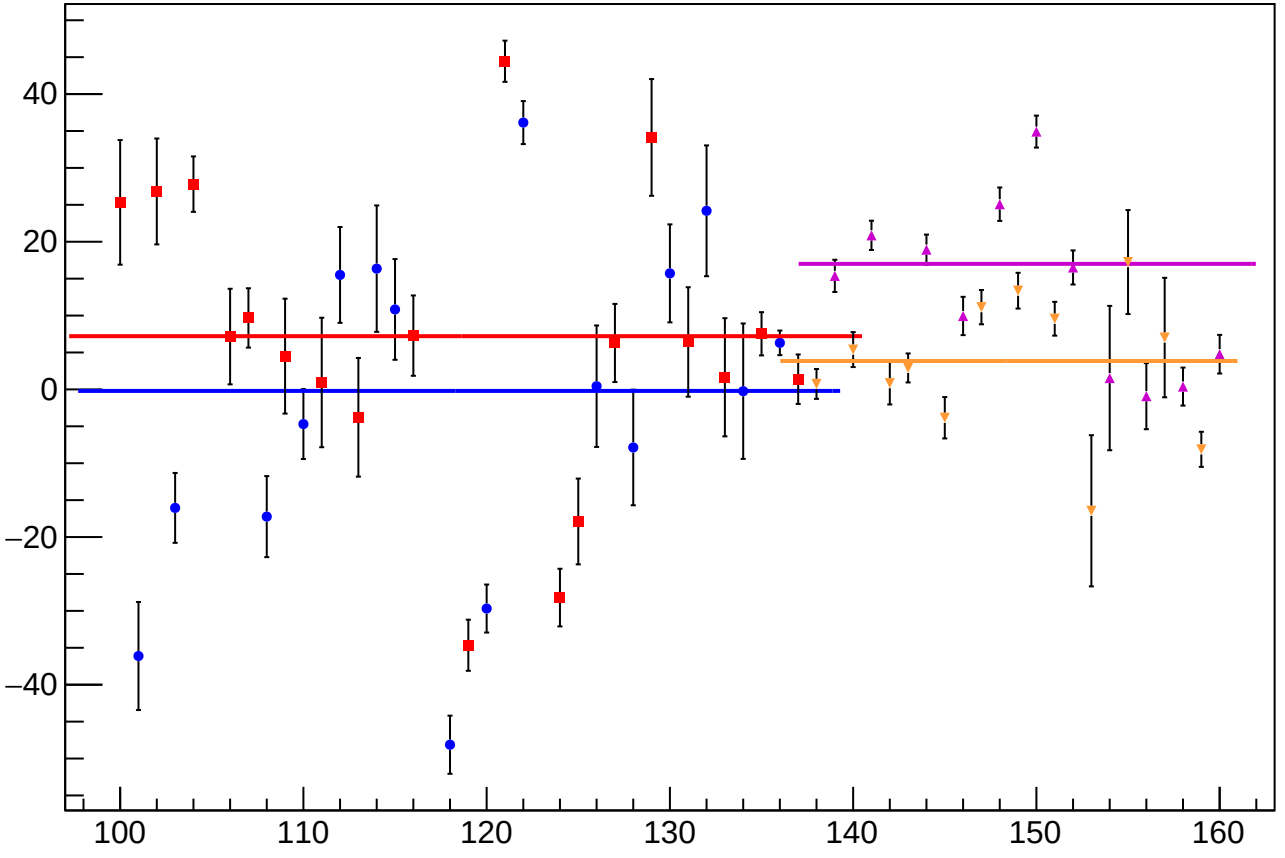
Left In: 10365.709+/-2.383 χ^2/NDF:151837.9/10

+ sign 9970.865+/-1.730 χ^2/NDF: 273778.7/27

All: 10002.869+/-1.222 χ^2/NDF: 546758.9/57

- 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: 3.849+/-0.767 χ^2/NDF:76.2/11

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

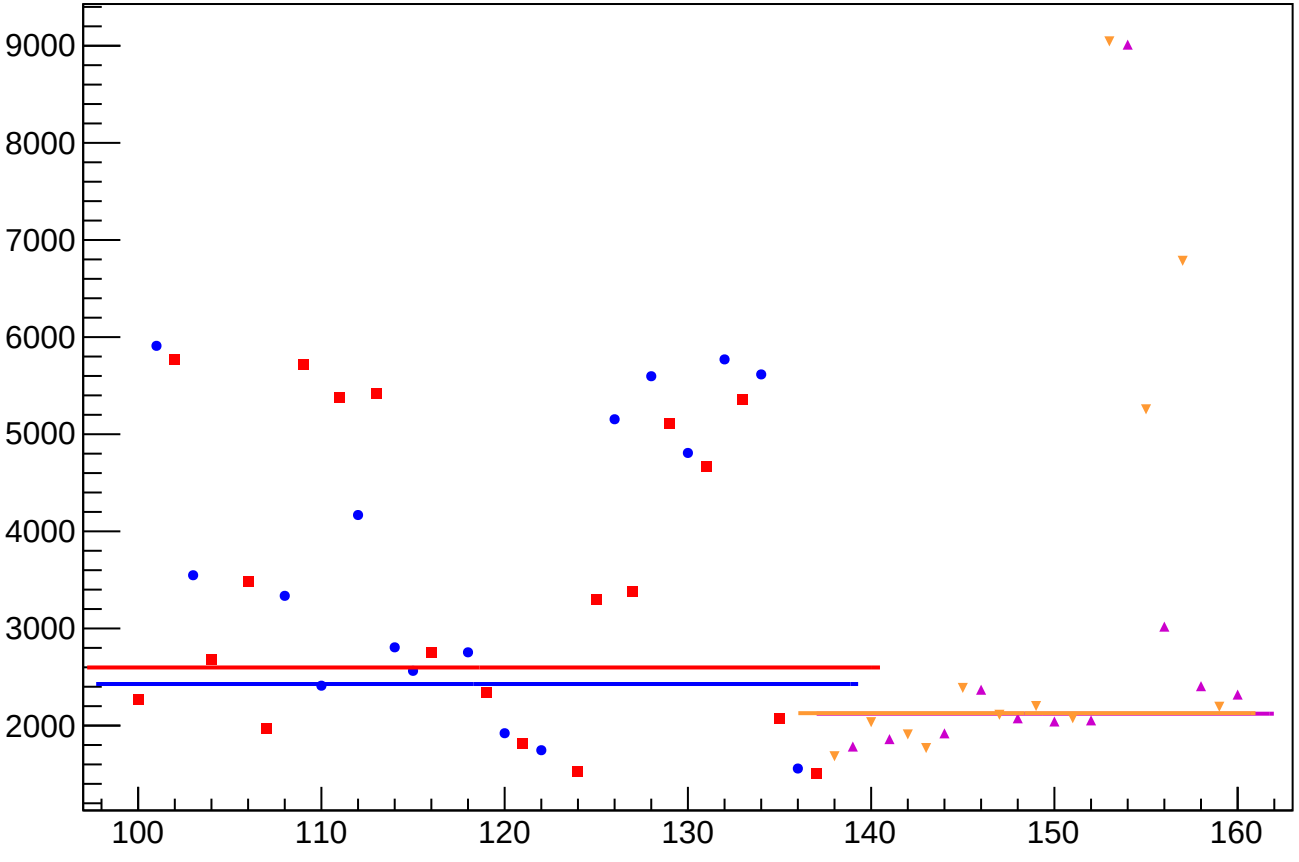
Left In: 17.005+/-0.744 χ^2/NDF:176.1/10

+ sign 2.429+/-0.619 χ^2/NDF: 559.7/27

All: 8.193+/-0.435 χ^2/NDF: 1449.5/57

- 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: 2127.759+/-0.543 χ^2/NDF:2168865.6/11

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

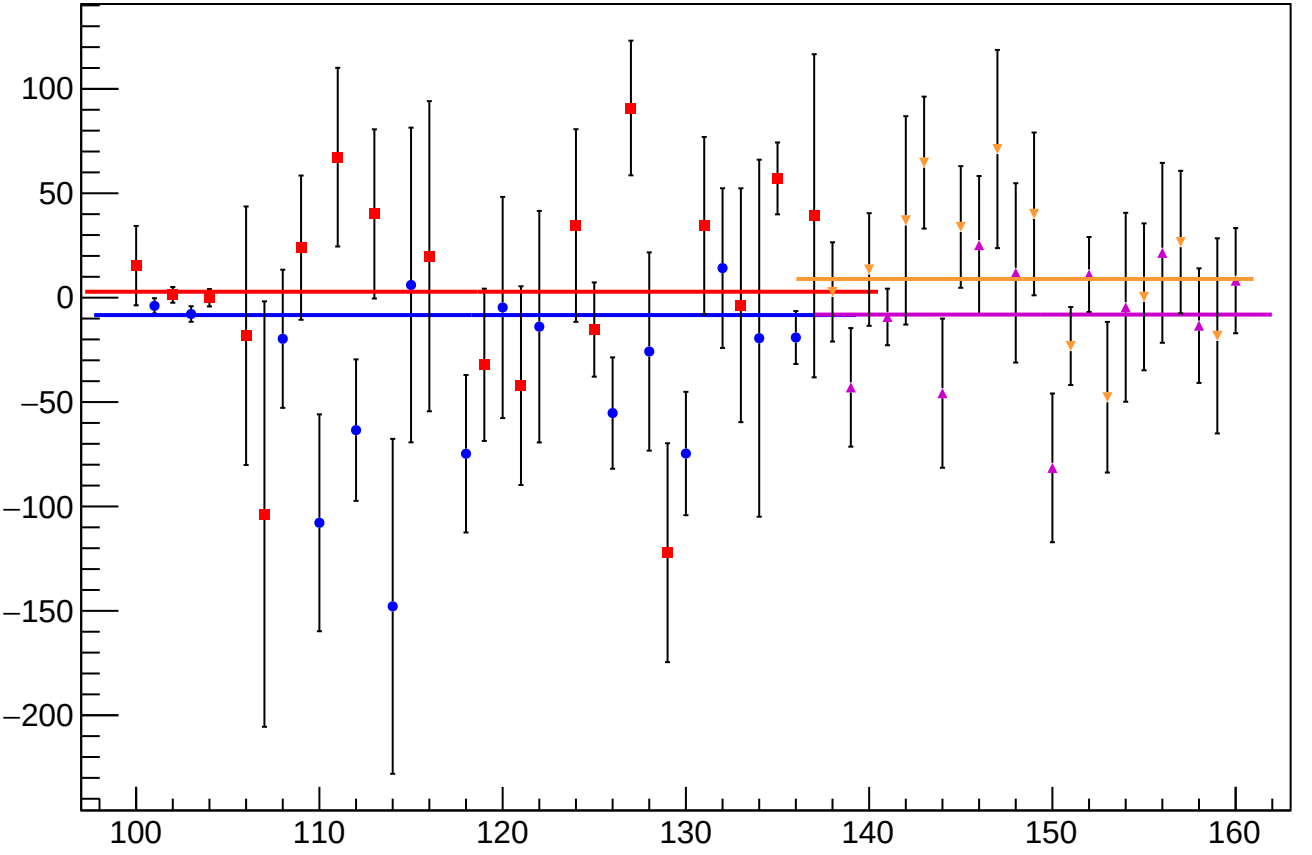
Left In: 2122.425+/-0.526 χ^2/NDF:1235069.4/10

+ sign 2232.911+/-0.437 χ^2/NDF: 5091476.0/27

All: 2255.107+/-0.307 χ^2/NDF: 9112060.5/57

- 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: 8.951+/-8.913 χ^2/NDF:12.7/11

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

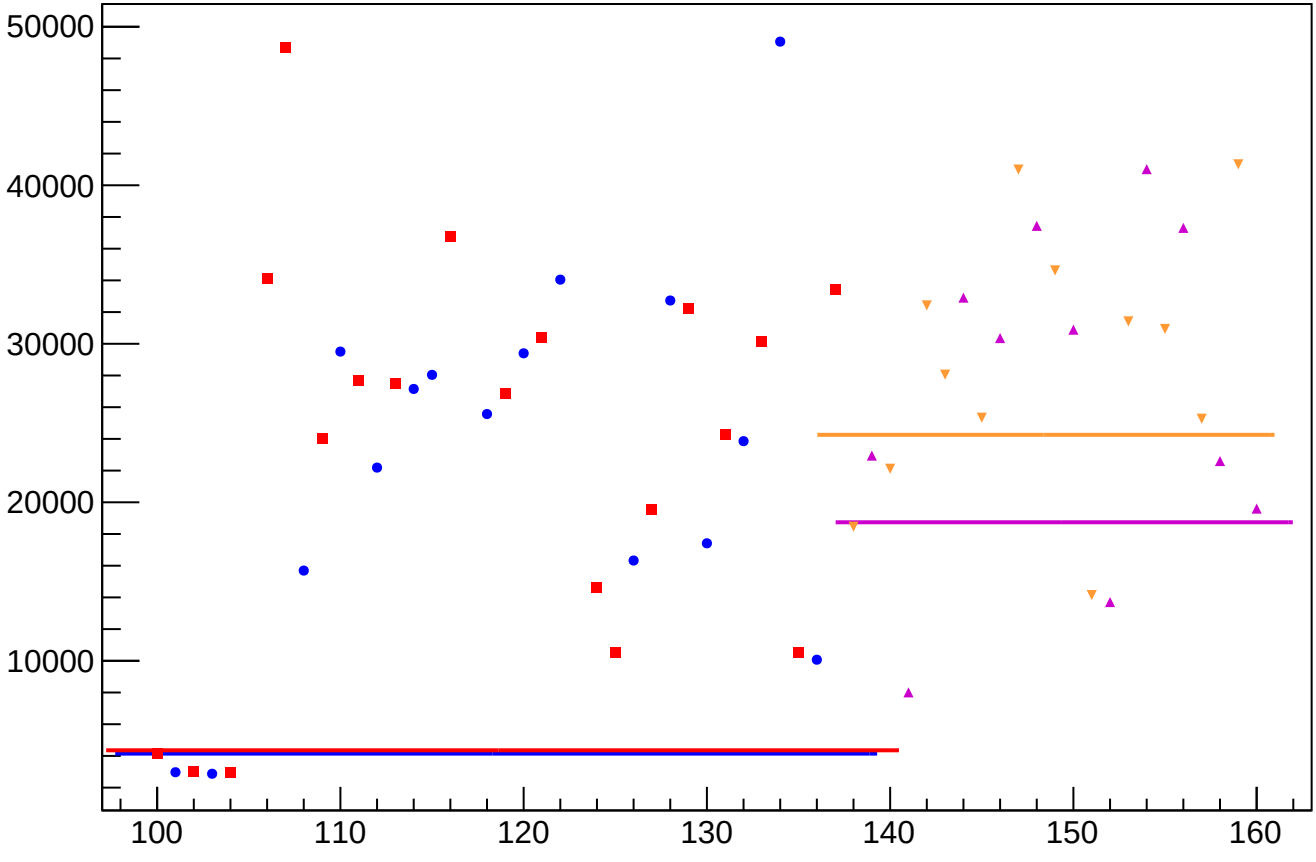
Left In: -8.097+/-7.729 χ^2/NDF:10.2/10

+ sign -7.073+/-2.407 χ^2/NDF: 39.6/27

All: -2.847+/-1.733 χ^2/NDF: 90.6/57

- sign 1.705+/-2.498 χ^2/NDF: 44.6/29

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 24256.127+/-6.303 χ^2/NDF:1612209.5/11

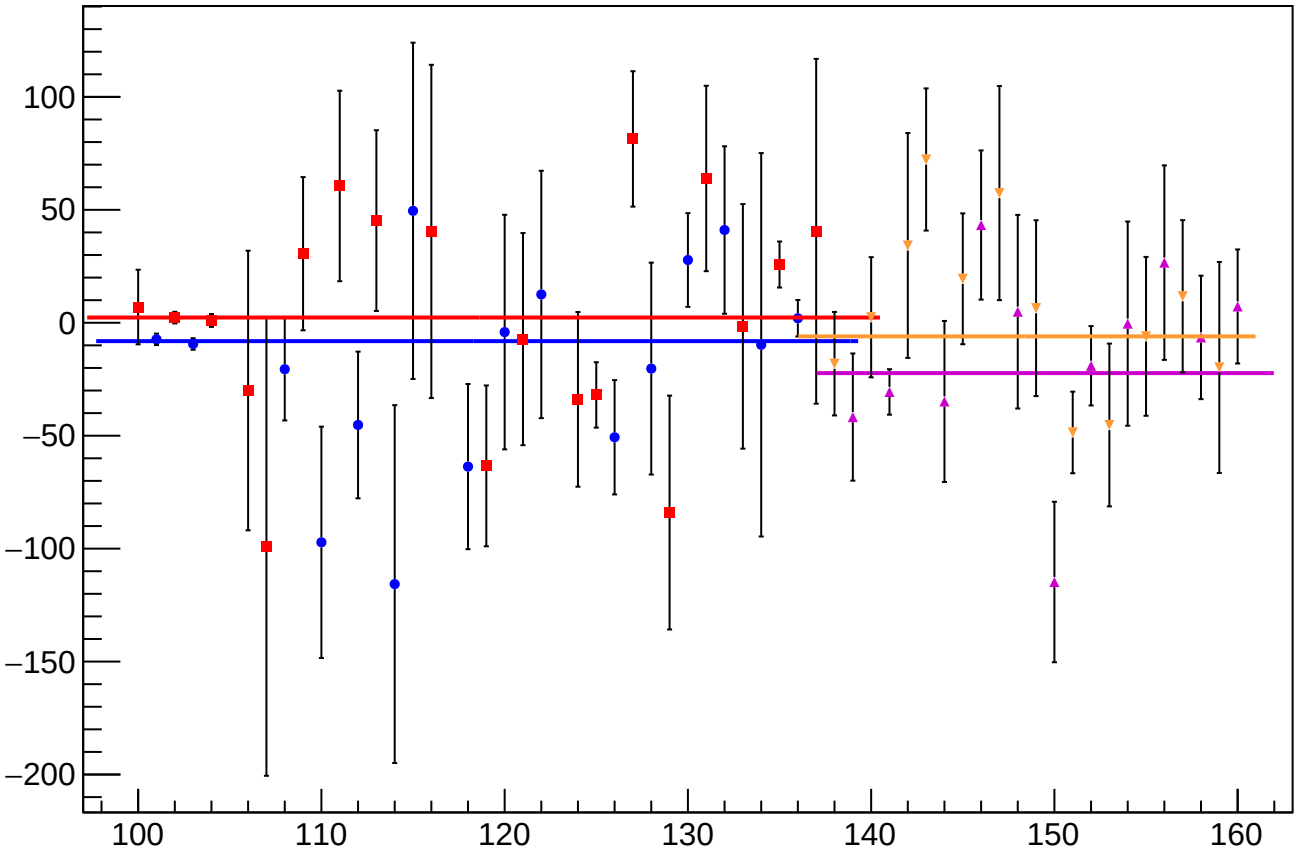
Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 18739.276+/-5.465 χ^2/NDF:3526344.8/10

+ sign 5611.781+/-1.702 χ^2/NDF: 17887966.5/27

All: 5729.794+/-1.225 χ^2/NDF: 35253254.6/5

- sign 5856.937+/-1.766 χ^2/NDF: 17355297.0/29



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -6.024+/-8.768 χ^2/NDF:17.0/11

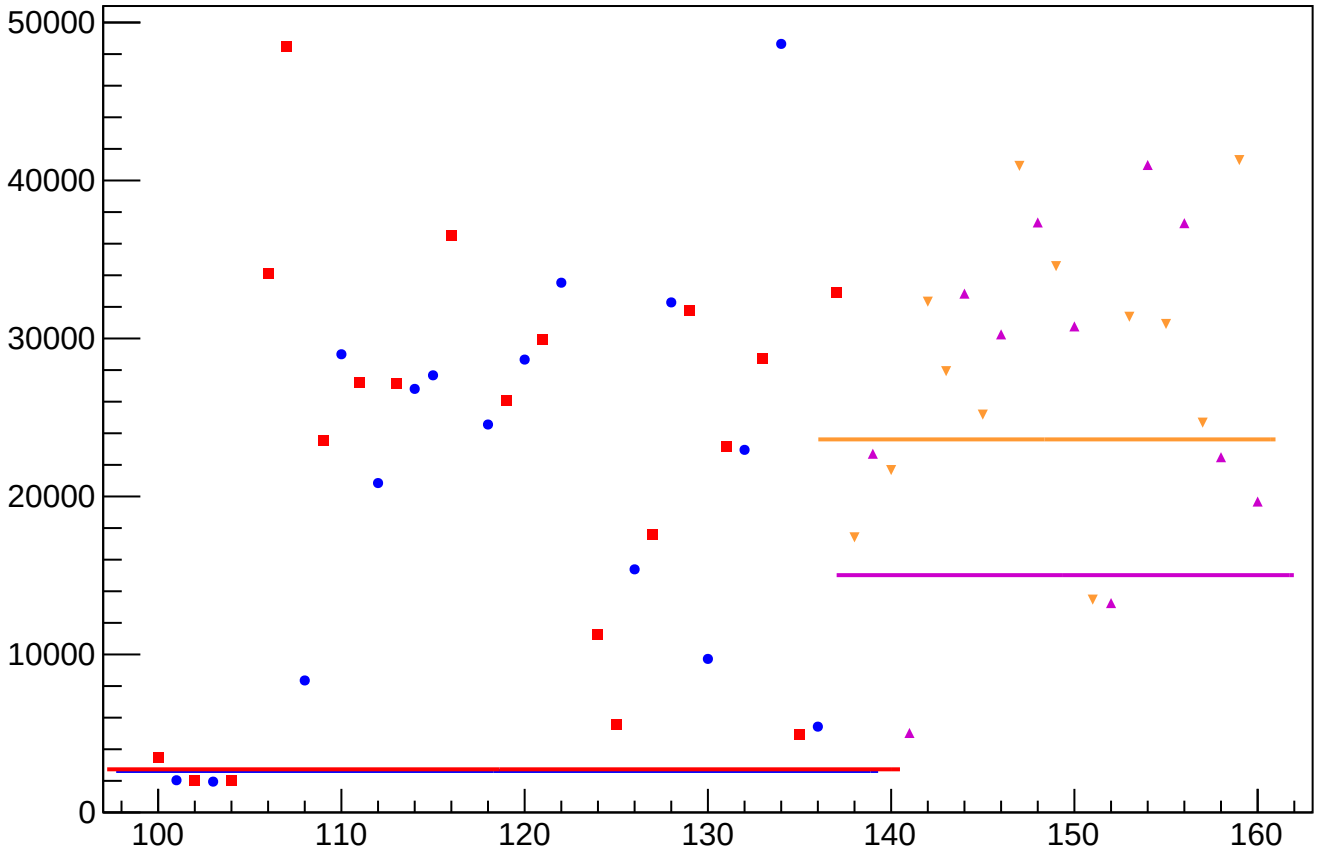
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -22.288+/-6.844 χ^2/NDF:15.7/10

+ sign -8.054+/-1.688 χ^2/NDF: 36.1/27

All: -3.862+/-1.218 χ^2/NDF: 109.8/57

- sign 0.696+/-1.760 χ^2/NDF: 60.8/29



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 23612.723+/-6.200 χ^2/NDF:1785107.6/11

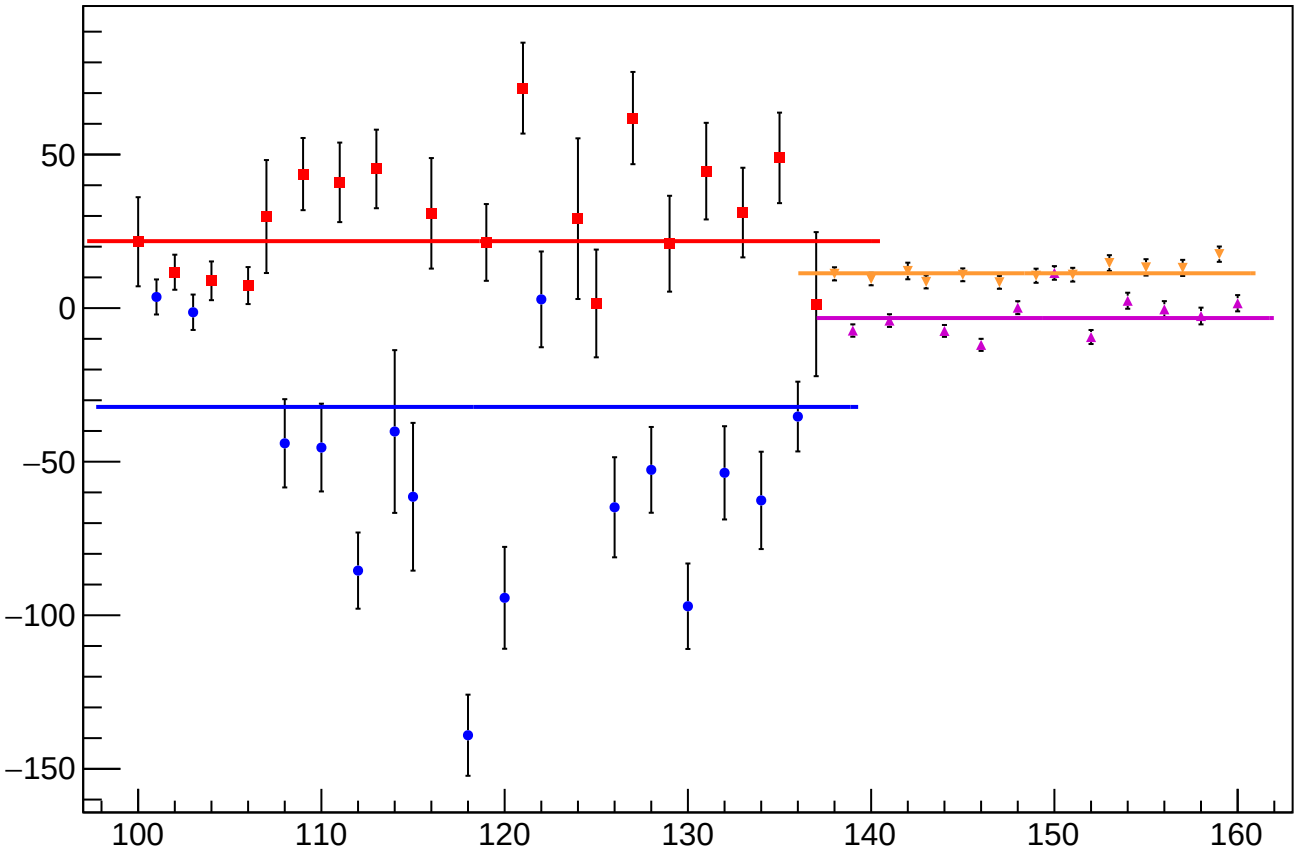
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15020.176+/-4.839 χ^2/NDF:5412848.6/10

+ sign 3404.500+/-1.194 χ^2/NDF: 19599925.1/27

All: 3471.015+/-0.862 χ^2/NDF: 39027937.7/5

- 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: 11.340+/-0.666 χ^2/NDF:13.7/11

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

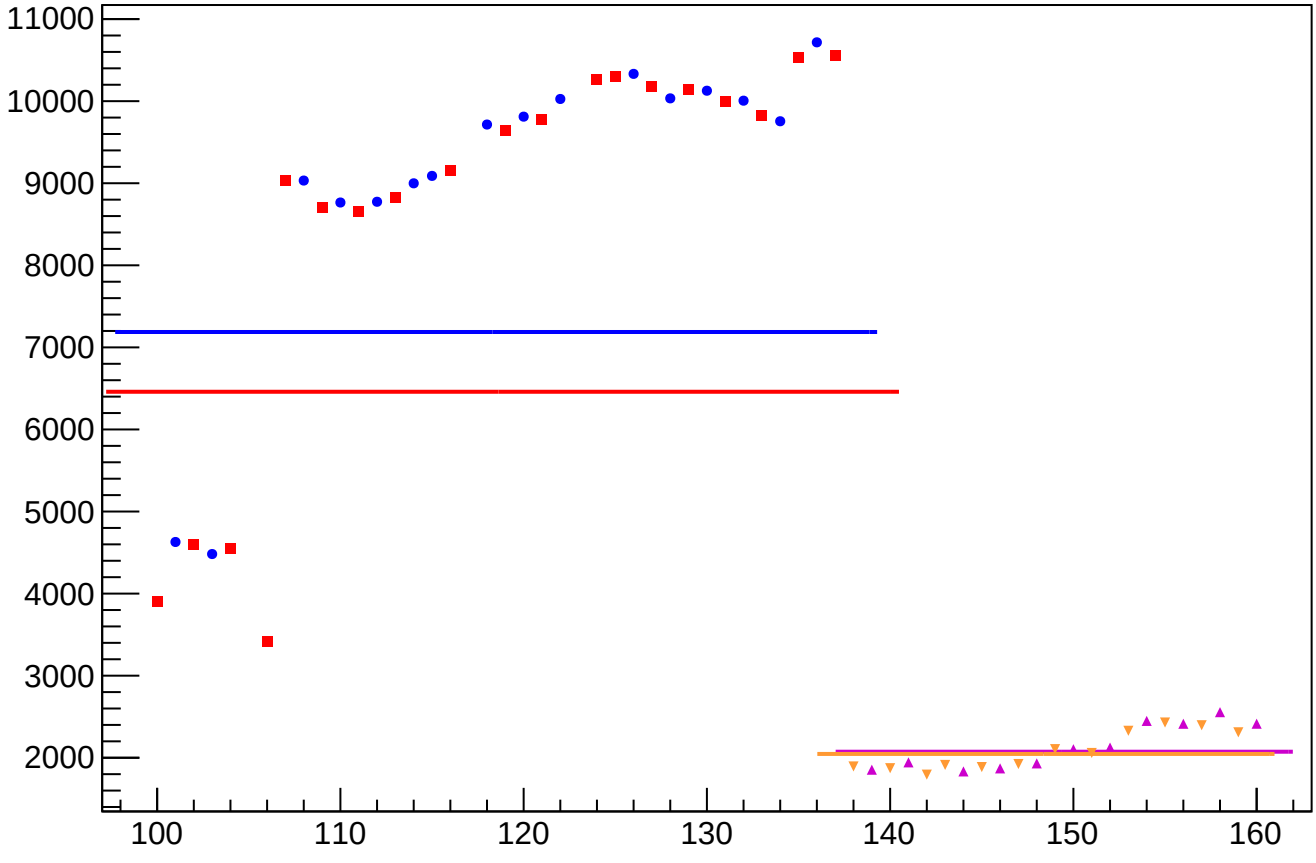
Left In: -3.234+/-0.676 χ^2/NDF:91.3/10

+ sign 9.075+/-0.648 χ^2/NDF: 443.7/27

All: 3.780+/-0.460 χ^2/NDF: 808.1/57

- 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: 2046.413+/-0.471 χ^2/NDF:192982.9/11

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

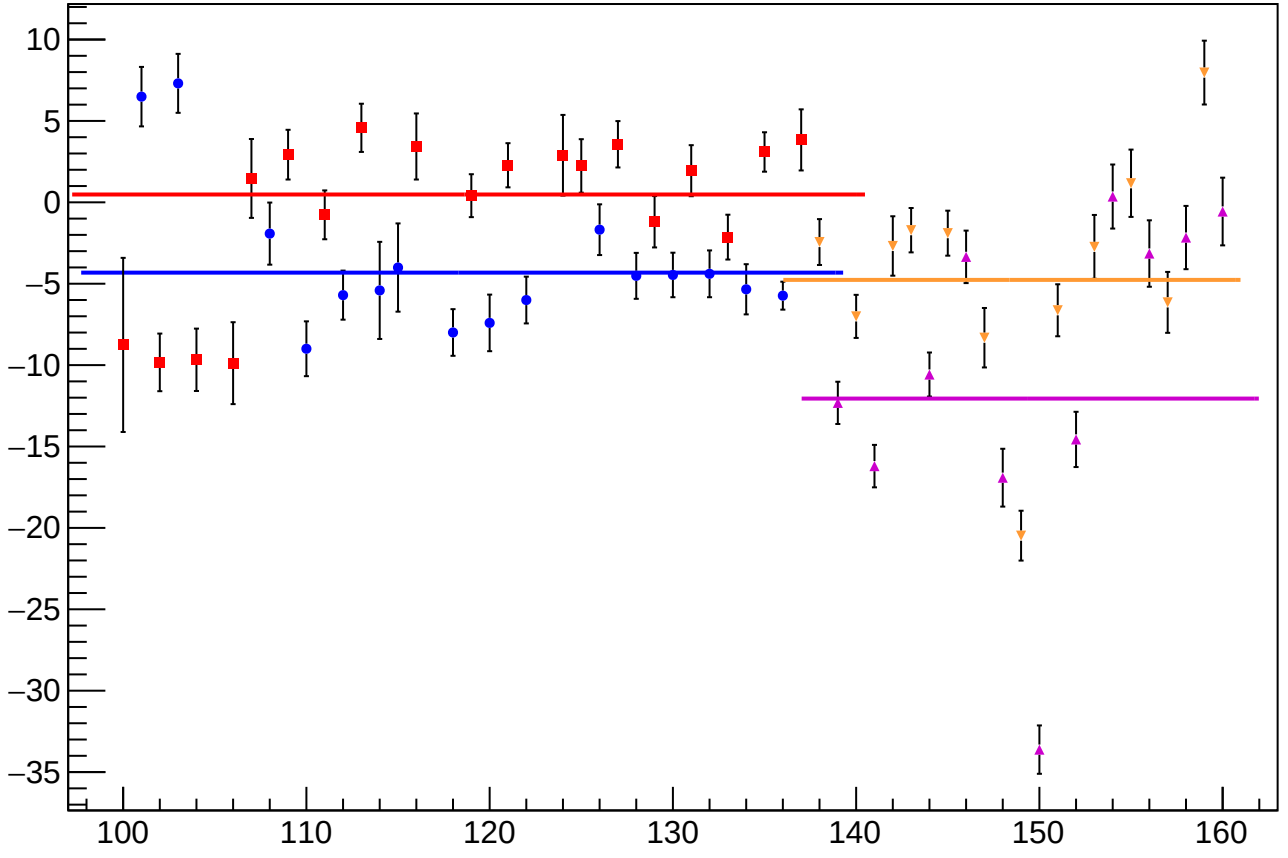
Left In: 2073.483+/-0.478 χ^2/NDF:263861.2/10

+ sign 2314.062+/-0.458 χ^2/NDF: 8103770.8/27

All: 2336.809+/-0.325 χ^2/NDF: 16147263.5/5

- 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: -4.765+/-0.467 χ^2/NDF:178.7/11

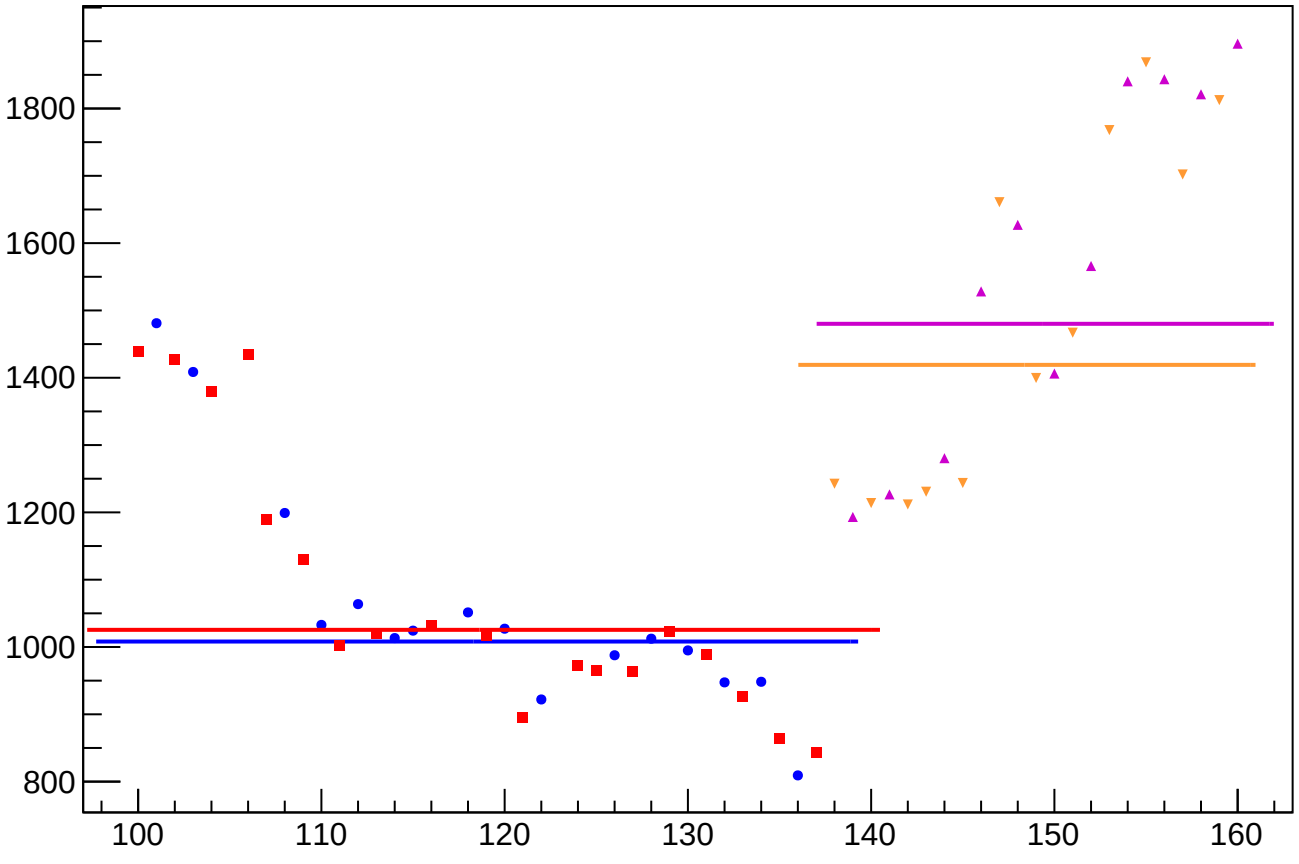
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -12.056+/-0.487 χ^2/NDF:376.2/10

+ sign -4.497+/-0.295 χ^2/NDF: 282.9/27

All: -4.374+/-0.210 χ^2/NDF: 1190.2/57

- 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: 1419.138+/-0.330 χ^2/NDF:496949.6/11

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

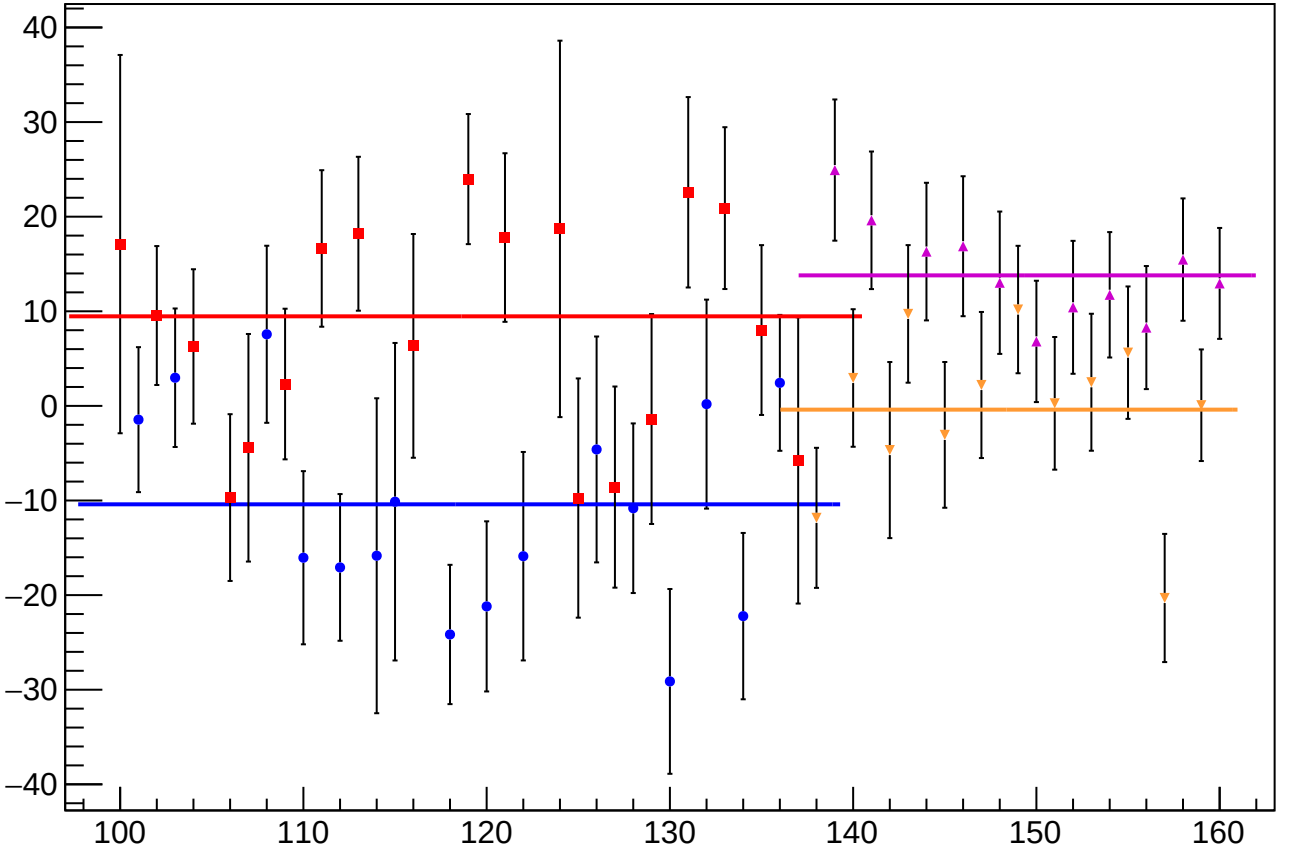
Left In: 1480.138+/-0.344 χ^2/NDF:514513.9/10

+ sign 1171.917+/-0.208 χ^2/NDF: 1809539.4/27

All: 1184.274+/-0.148 χ^2/NDF: 3764891.2/57

- 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: -0.396+/-2.069 χ^2/NDF:17.0/11

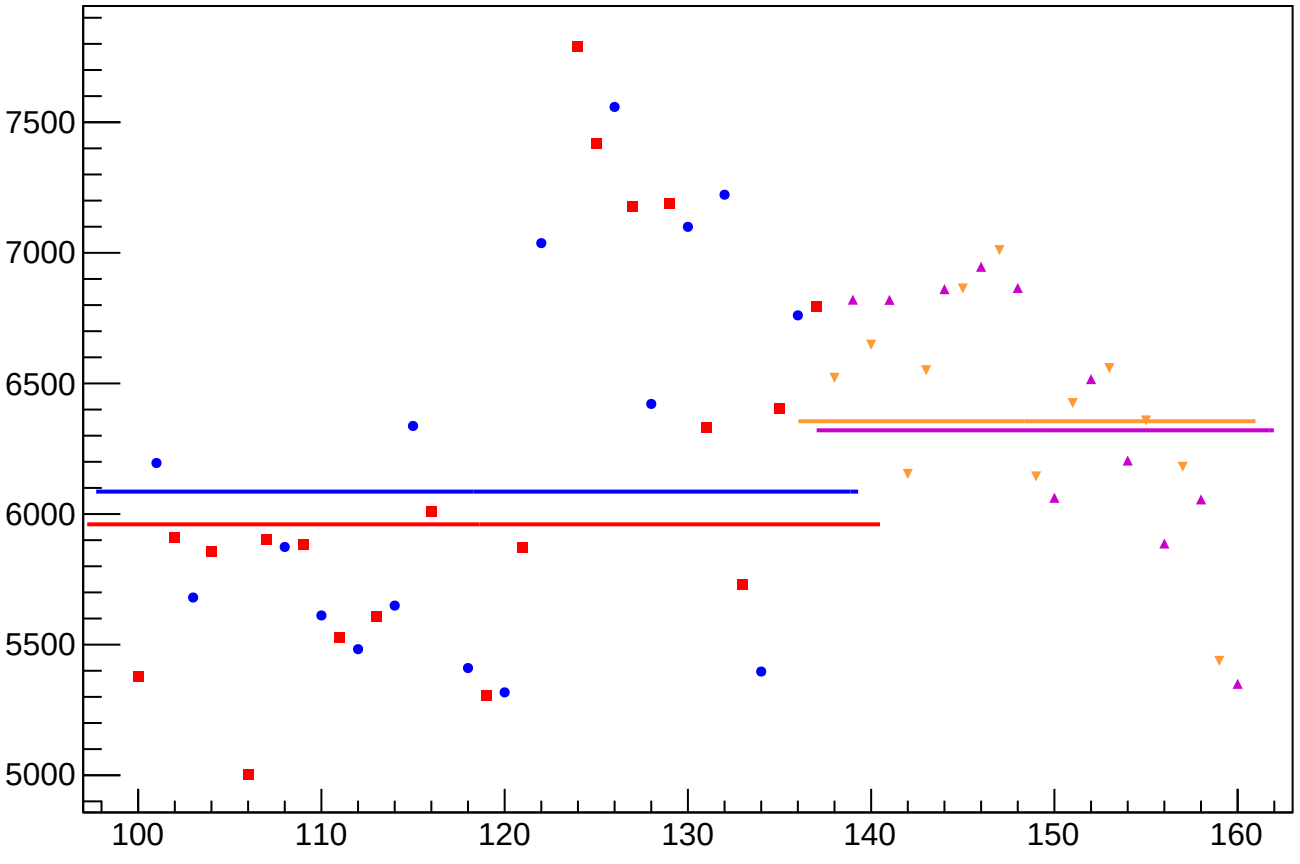
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 13.796+/-2.060 χ^2/NDF:5.5/10

+ sign -4.915+/-1.532 χ^2/NDF: 52.2/27

All: 3.598+/-1.072 χ^2/NDF: 145.6/57

- 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: 6355.325+/-1.463 χ^2/NDF:83195.3/11

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

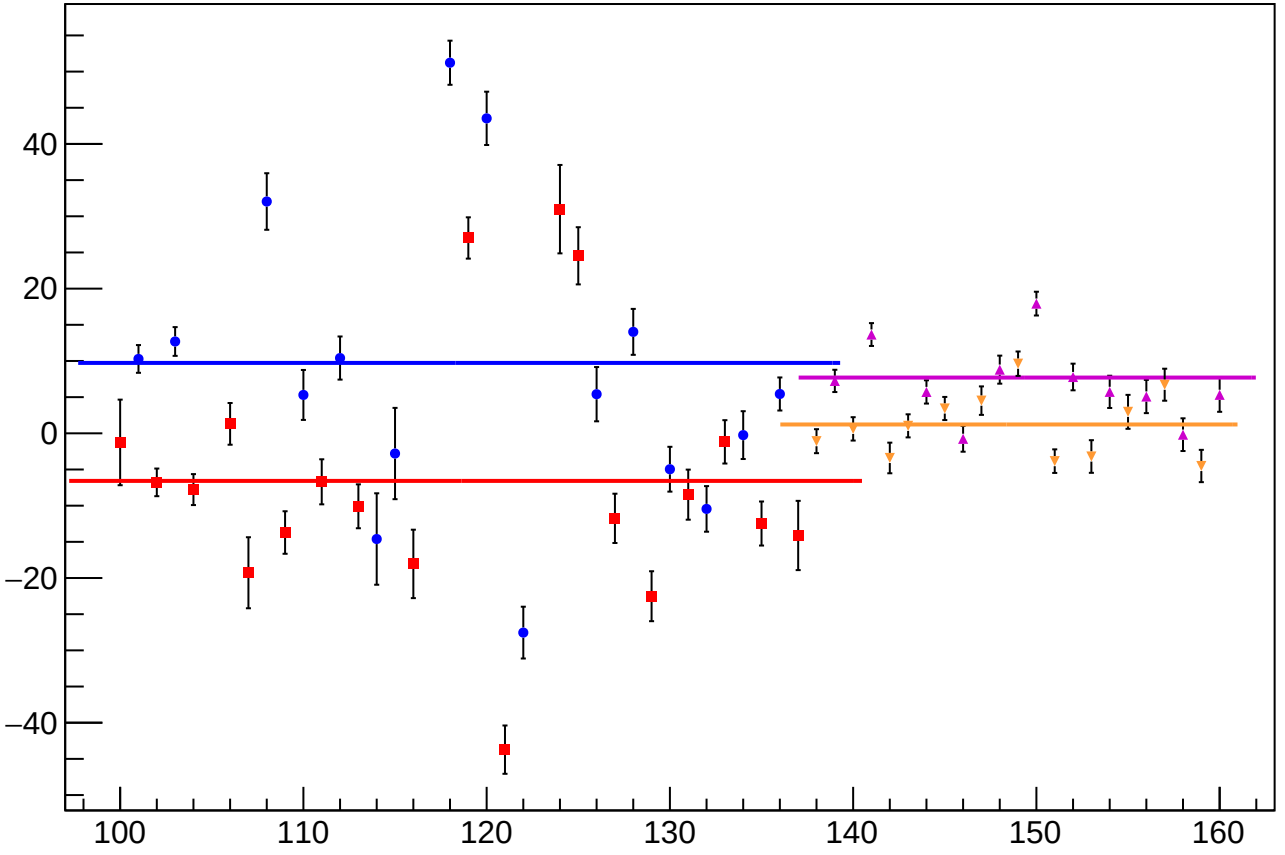
Left In: 6320.521+/-1.456 χ^2/NDF:126724.2/10

+ sign 6233.663+/-1.083 χ^2/NDF: 277634.9/27

All: 6191.813+/-0.758 χ^2/NDF: 598705.2/57

- 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: 1.223+/-0.533 χ^2/NDF:63.3/11

Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

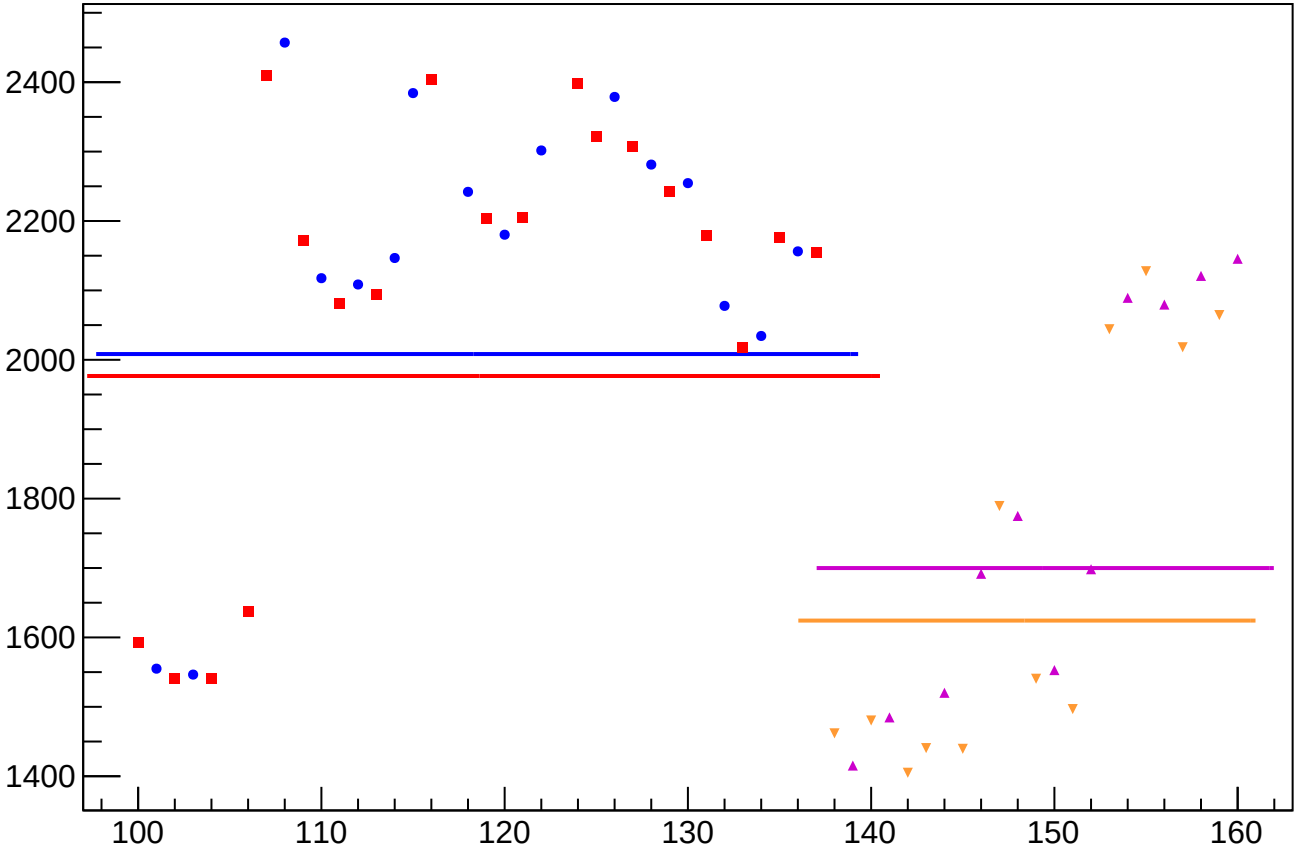
Left In: 7.707+/-0.557 χ^2/NDF:92.6/10

+ sign 4.052+/-0.435 χ^2/NDF: 660.5/27

All: 3.266+/-0.310 χ^2/NDF: 1425.3/57

- sign 2.453+/-0.443 χ^2/NDF: 758.2/29

diff_bpm0l05Y_rms vs Slug



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1624.271+/-0.377 χ^2/NDF:443474.2/11

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

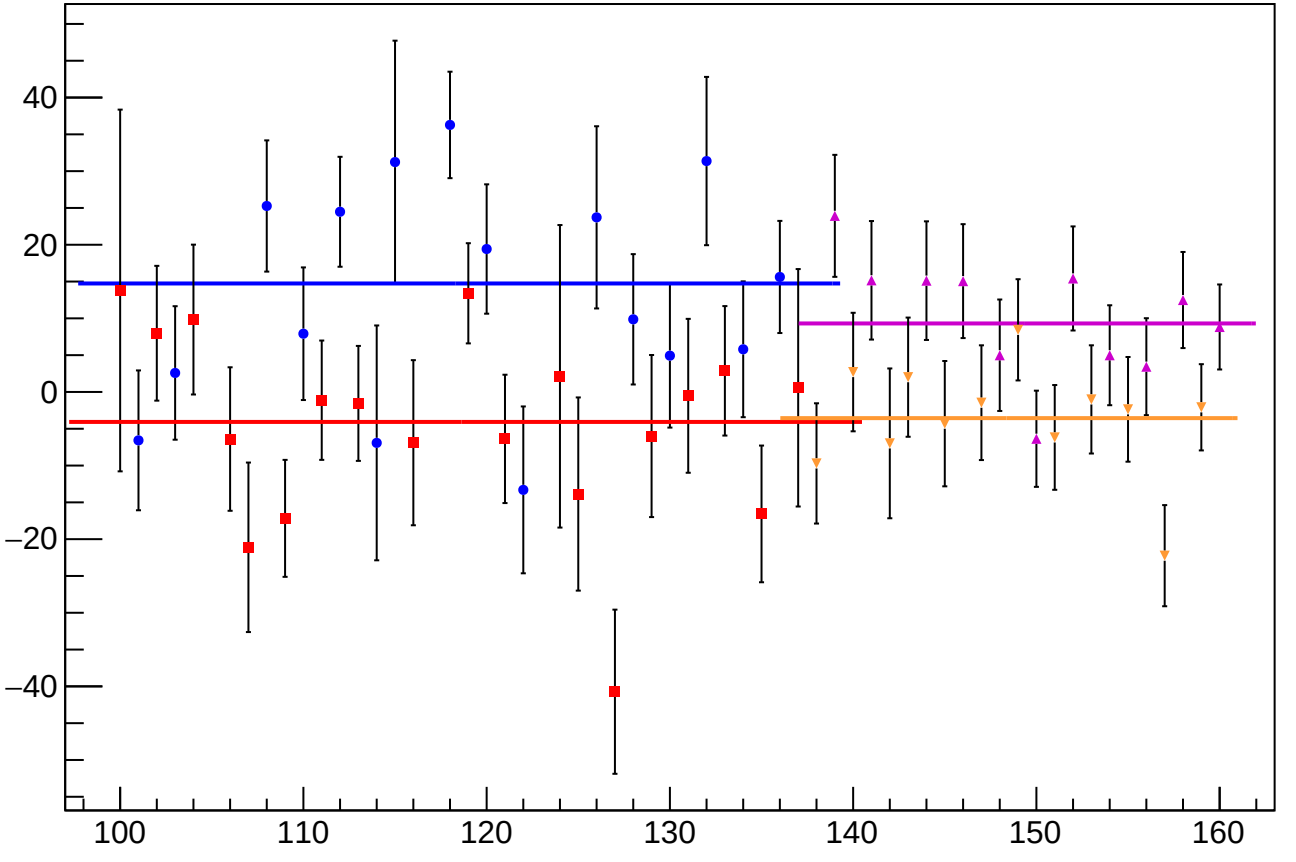
Left In: 1699.938+/-0.394 χ^2/NDF:406362.1/10

+ sign 1751.920+/-0.308 χ^2/NDF: 1133370.1/27

All: 1776.388+/-0.220 χ^2/NDF: 2099514.3/57

- 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: -3.556+/-2.156 χ^2/NDF:12.6/11

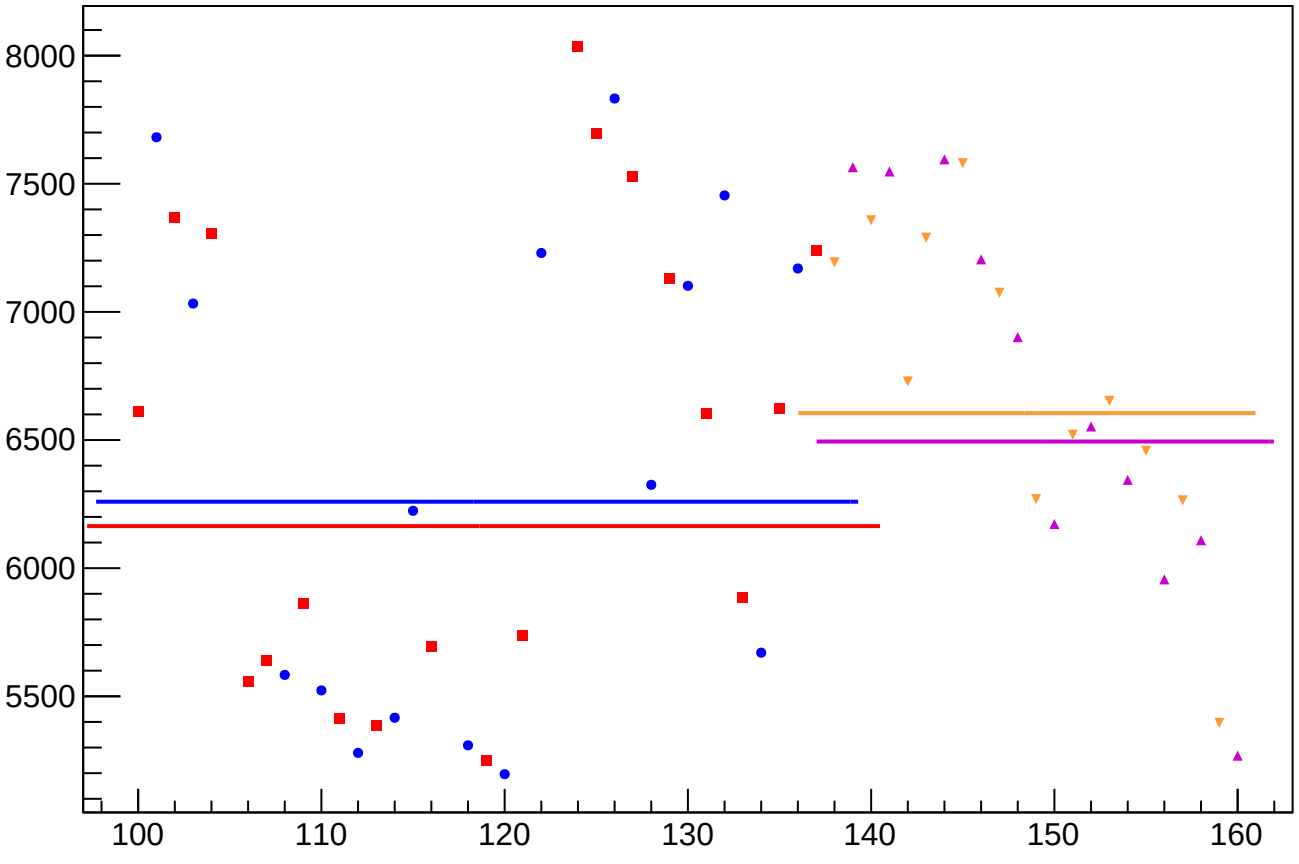
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 9.308+/-2.126 χ^2/NDF:13.0/10

+ sign 4.778+/-1.591 χ^2/NDF: 78.9/27

All: 3.901+/-1.111 χ^2/NDF: 141.2/57

- 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: 6605.185+/-1.525 χ^2/NDF:171958.3/11

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

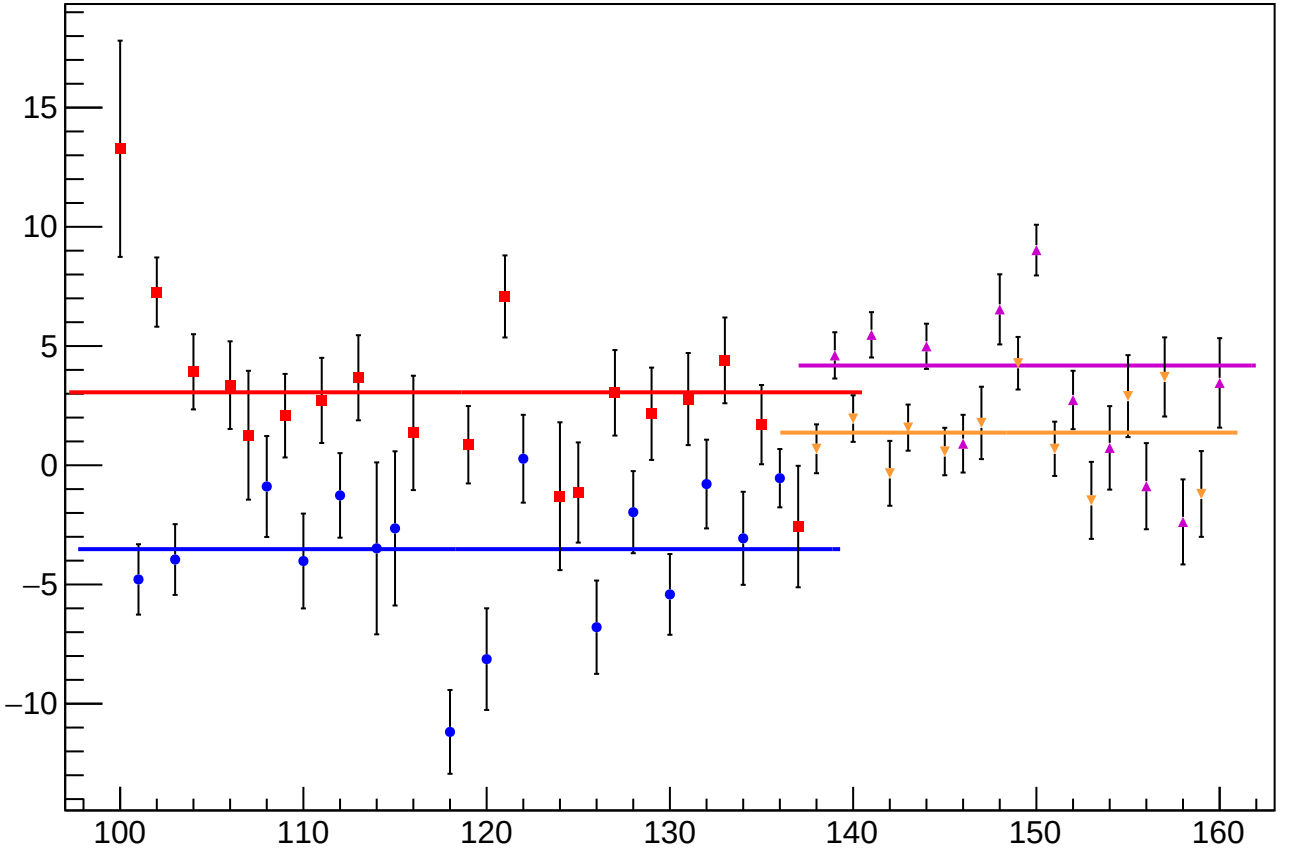
Left In: 6494.179+/-1.504 χ^2/NDF:244021.3/10

+ sign 6447.685+/-1.125 χ^2/NDF: 503988.2/27

All: 6392.638+/-0.786 χ^2/NDF: 1040220.1/57

- 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: 1.369+/-0.353 χ^2/NDF:18.4/11

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

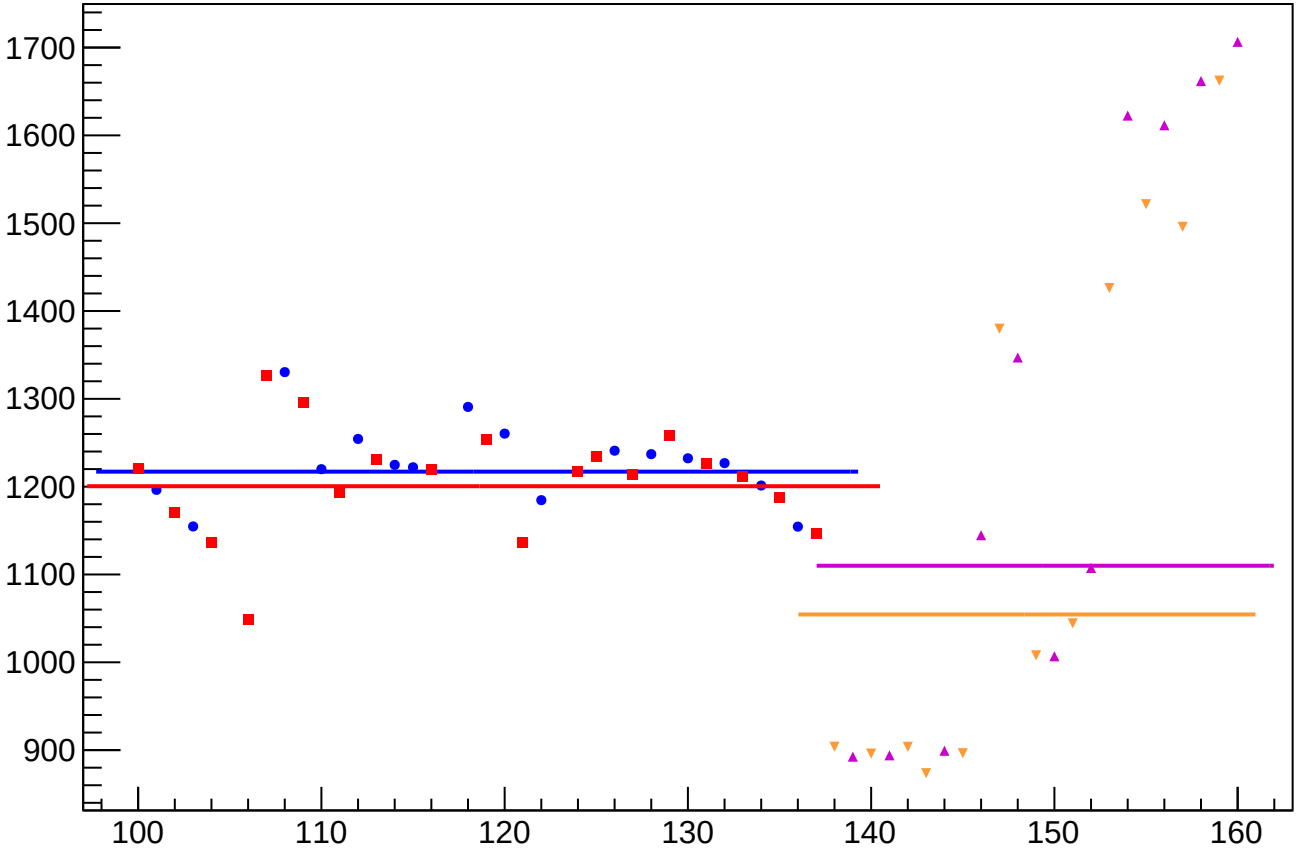
Left In: 4.183+/-0.372 χ^2/NDF:60.2/10

+ sign -0.478+/-0.278 χ^2/NDF: 136.0/27

All: 1.575+/-0.199 χ^2/NDF: 346.0/57

- 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: 1054.478+/-0.249 χ^2/NDF:959702.5/11

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

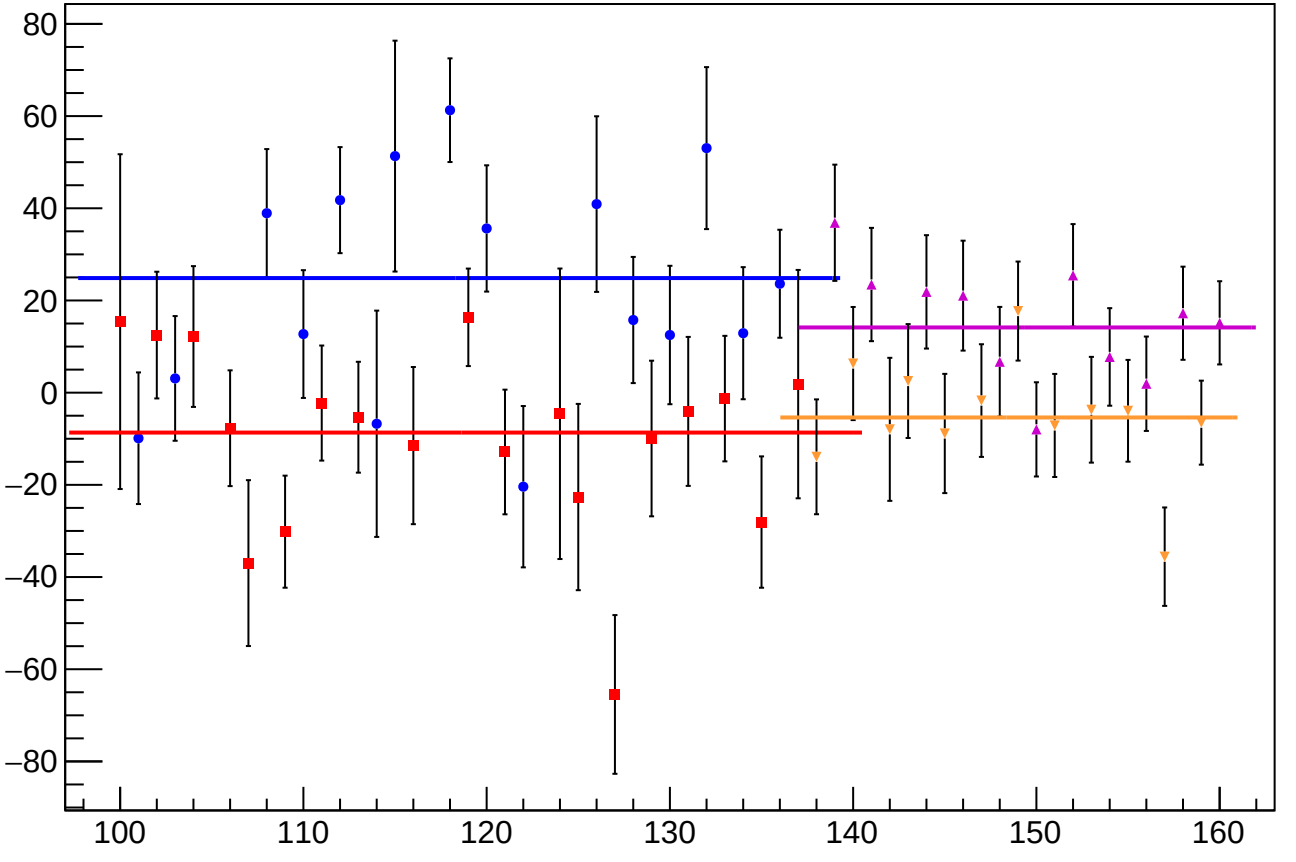
Left In: 1109.967+/-0.263 χ^2/NDF:1094214.4/10

+ sign 1115.931+/-0.197 χ^2/NDF: 1142139.3/27

All: 1131.601+/-0.140 χ^2/NDF: 2336512.4/57

- 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: -5.383+/-3.338 χ^2/NDF:14.7/11

Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

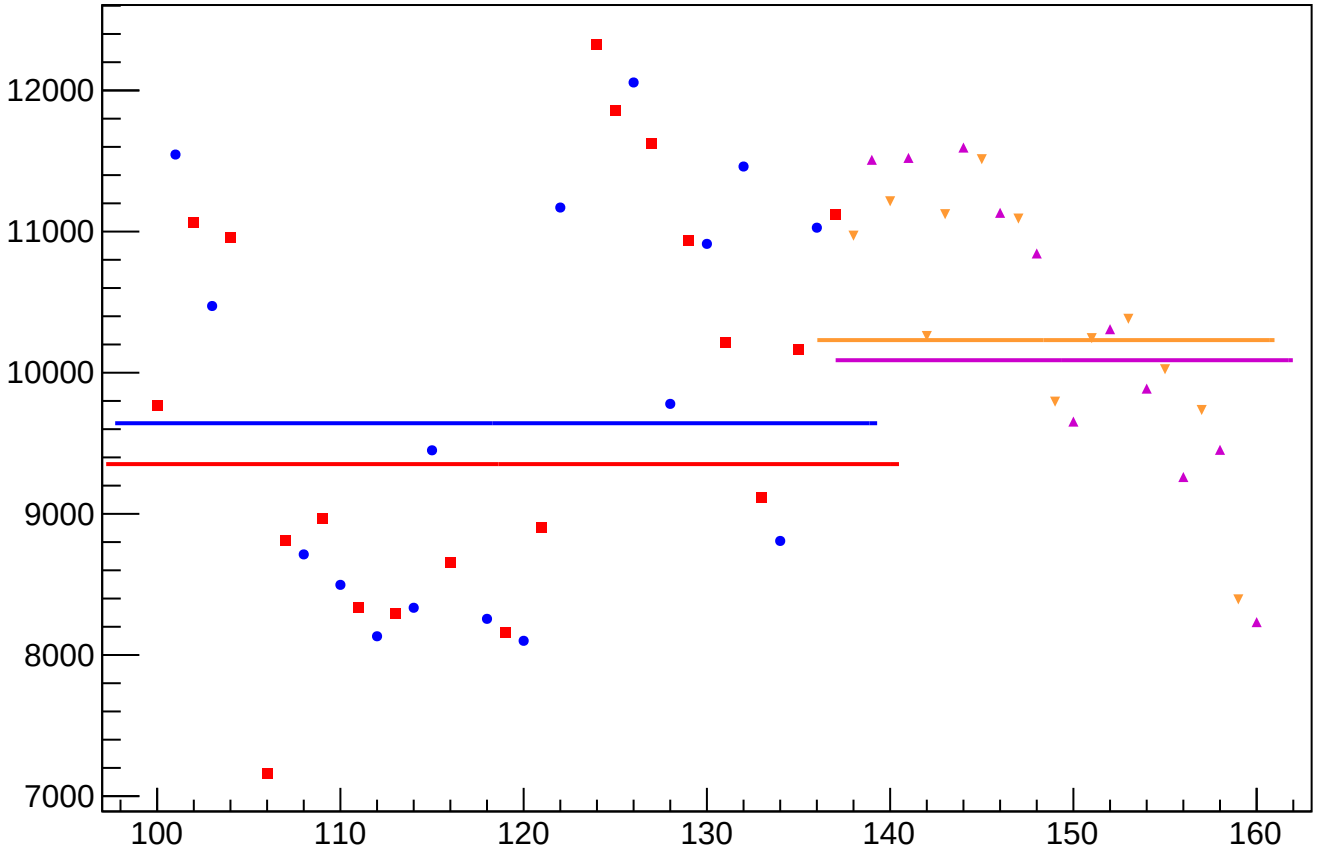
Left In: 14.147+/-3.300 χ^2/NDF:12.5/10

+ sign 8.483+/-2.457 χ^2/NDF: 90.4/27

All: 5.796+/-1.712 χ^2/NDF: 158.2/57

- 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: 10231.074+/-2.360 χ^2/NDF:149827.5/11

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

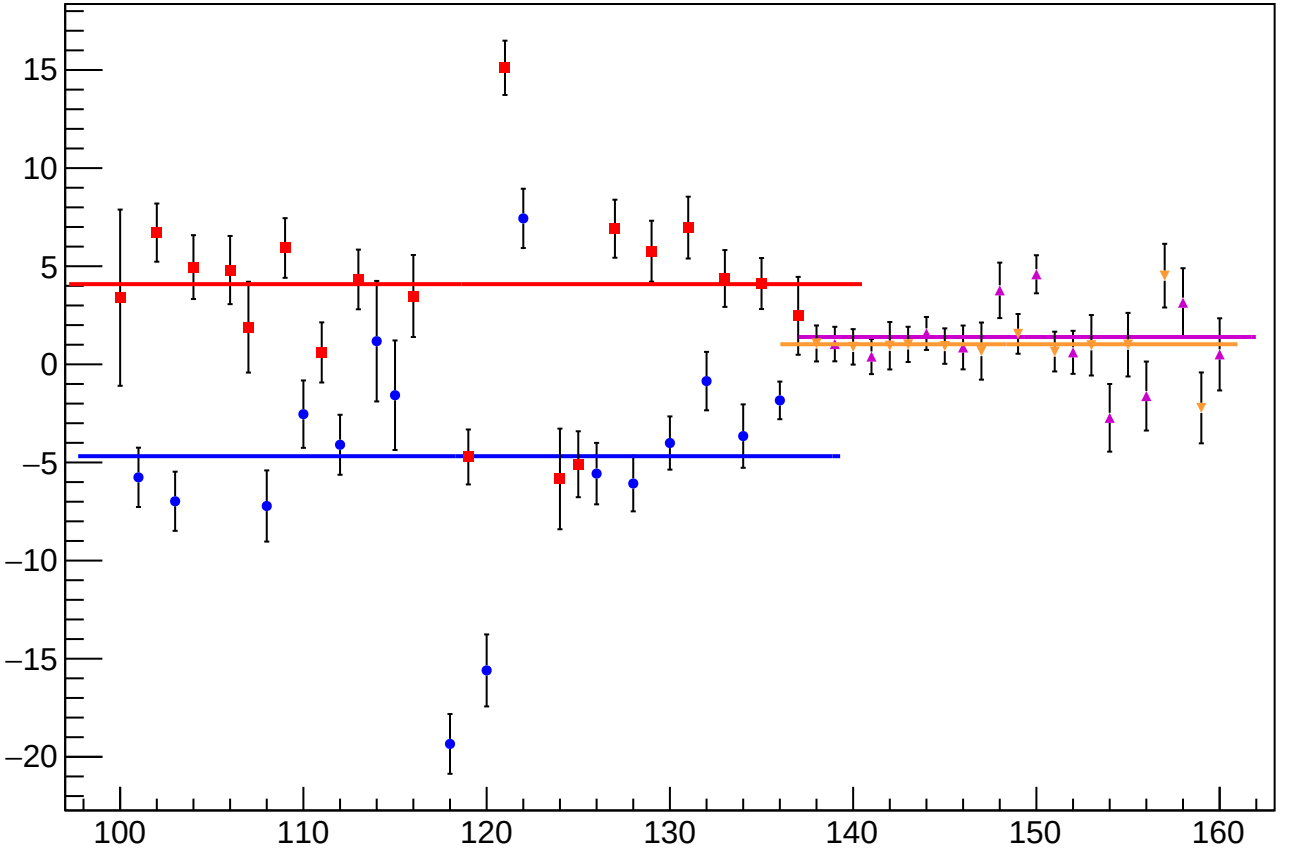
Left In: 10088.594+/-2.334 χ^2/NDF:216620.8/10

+ sign 9961.033+/-1.737 χ^2/NDF: 458031.5/27

All: 9845.891+/-1.210 χ^2/NDF: 1032458.7/57

- 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: 1.024+/-0.325 χ^2/NDF:8.4/11

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

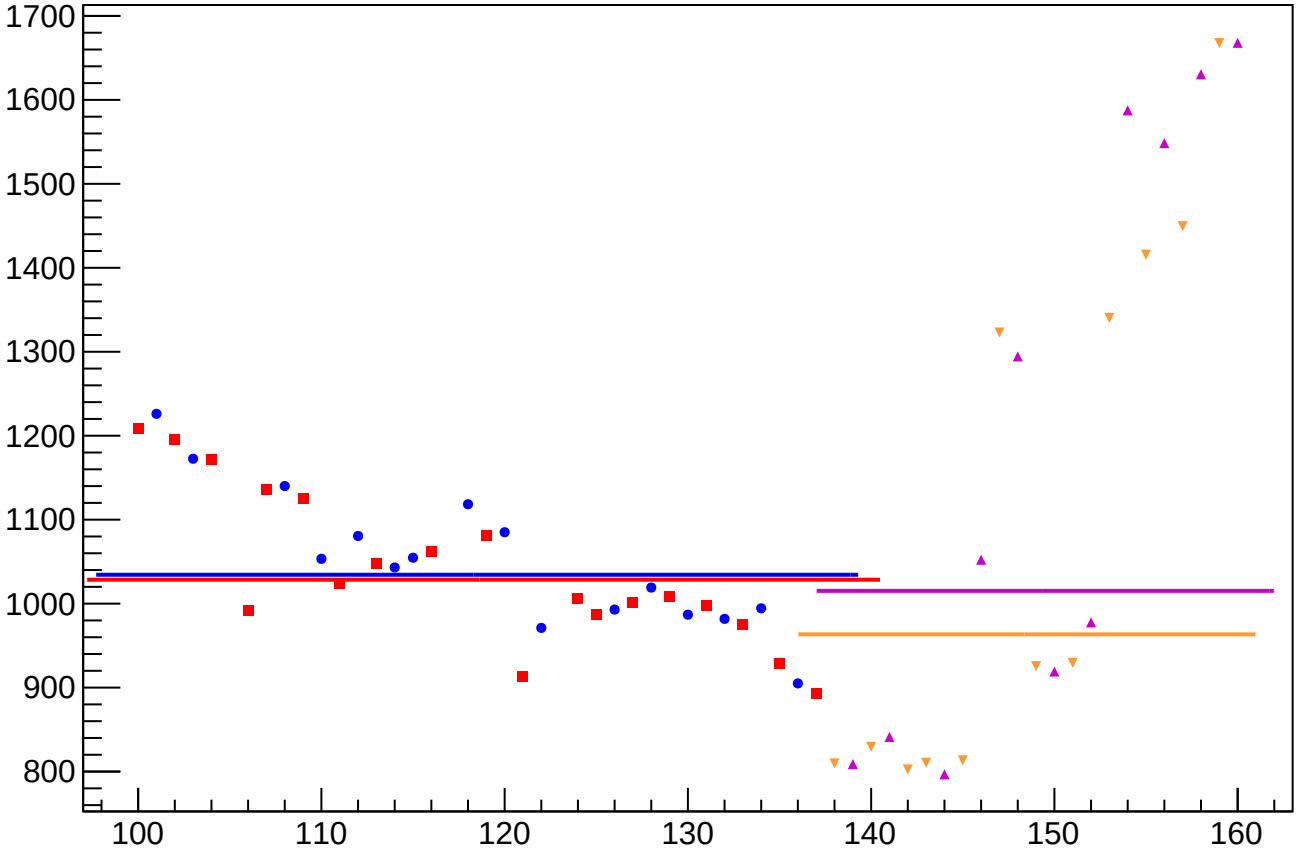
Left In: 1.394+/-0.344 χ^2/NDF:25.7/10

+ sign -1.342+/-0.248 χ^2/NDF: 357.5/27

All: 0.595+/-0.178 χ^2/NDF: 703.5/57

- 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: 963.403+/-0.230 χ^2/NDF:1135299.5/11

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

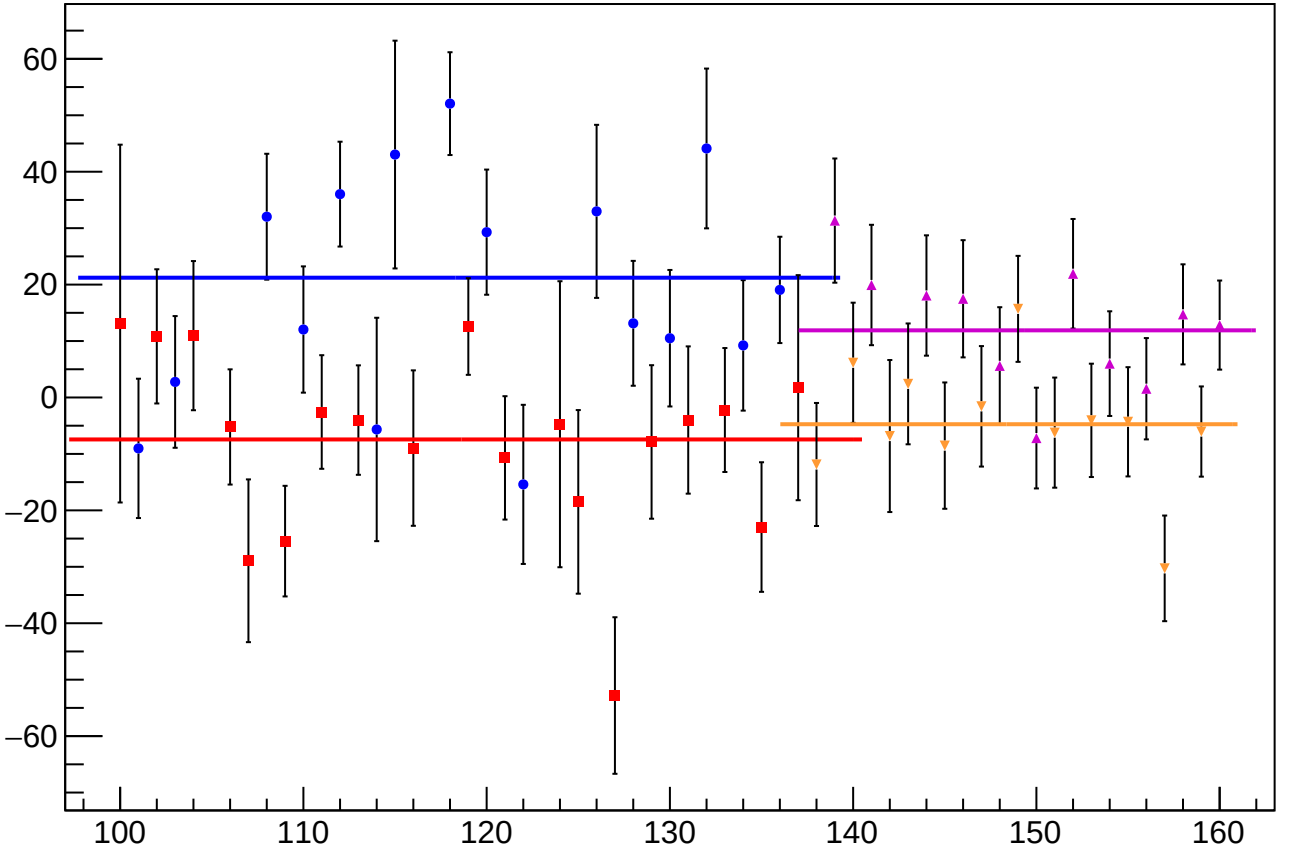
Left In: 1015.223+/-0.243 χ^2/NDF:1325629.4/10

+ sign 992.851+/-0.176 χ^2/NDF: 1288222.9/27

All: 1006.747+/-0.126 χ^2/NDF: 2729626.6/57

- 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: -4.739+/-2.914 χ^2/NDF:14.4/11

Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

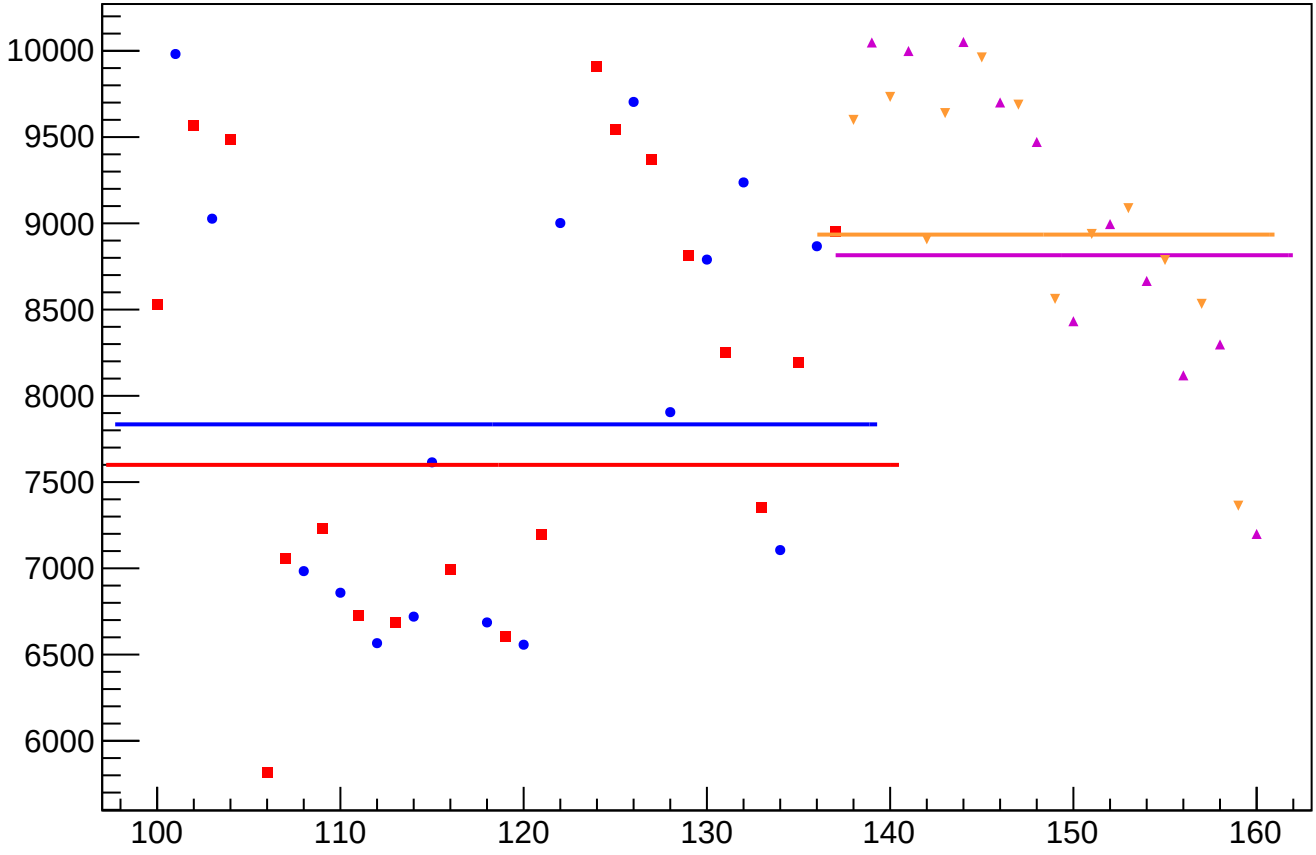
Left In: 11.895+/-2.883 χ^2/NDF:12.2/10

+ sign 8.076+/-2.074 χ^2/NDF: 93.6/27

All: 4.938+/-1.444 χ^2/NDF: 163.1/57

- 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: 8934.776+/-2.061 χ^2/NDF:139228.9/11

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

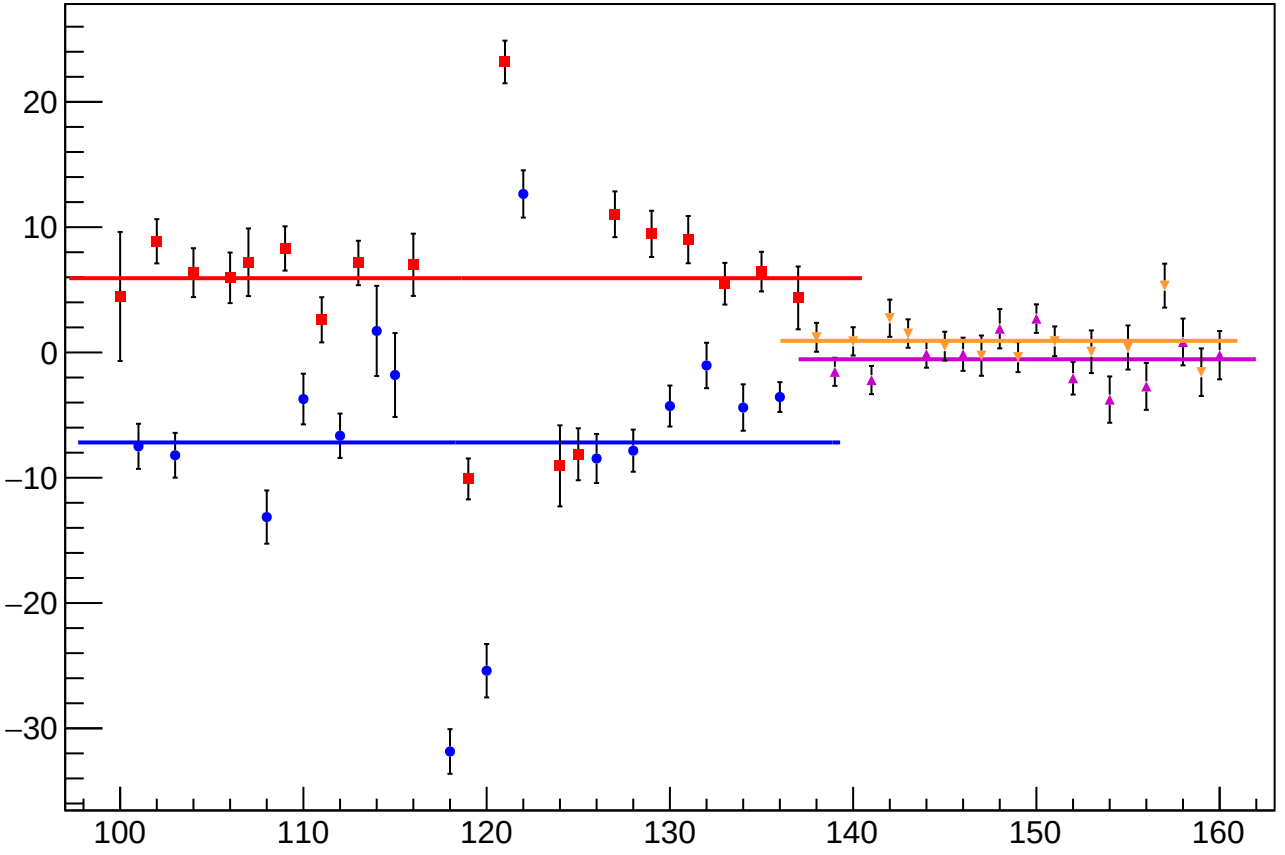
Left In: 8815.123+/-2.038 χ^2/NDF:206725.0/10

+ sign 8391.732+/-1.466 χ^2/NDF: 598006.2/27

All: 8288.861+/-1.021 χ^2/NDF: 1340865.8/57

- sign 8192.011+/-1.423 χ^2/NDF: 733305.4/29

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.928+/-0.390 χ^2/NDF:12.1/11

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

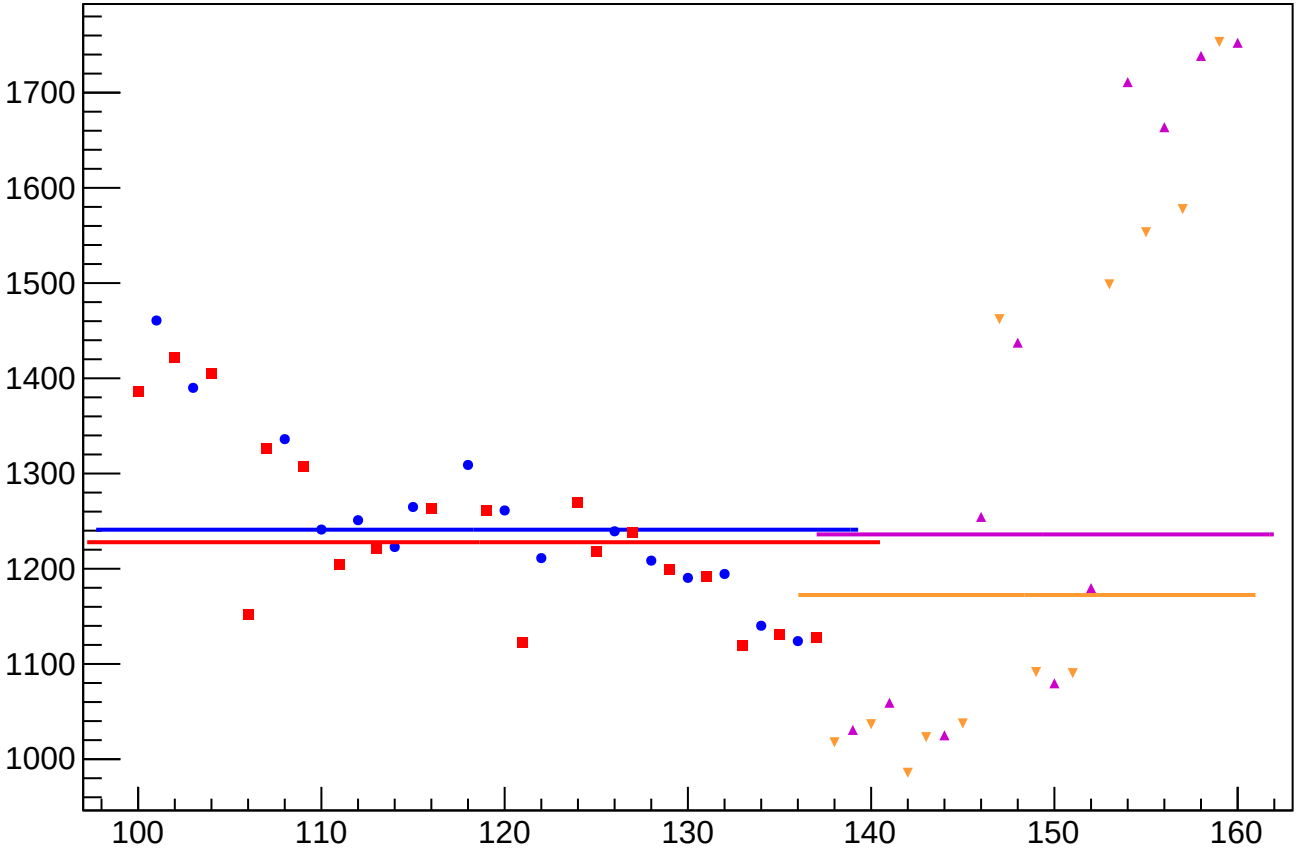
Left In: -0.544+/-0.412 χ^2/NDF:20.0/10

+ sign -2.439+/-0.298 χ^2/NDF: 614.3/27

All: -0.060+/-0.213 χ^2/NDF: 1167.5/57

- 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: 1172.444+/-0.275 χ^2/NDF:703579.8/11

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

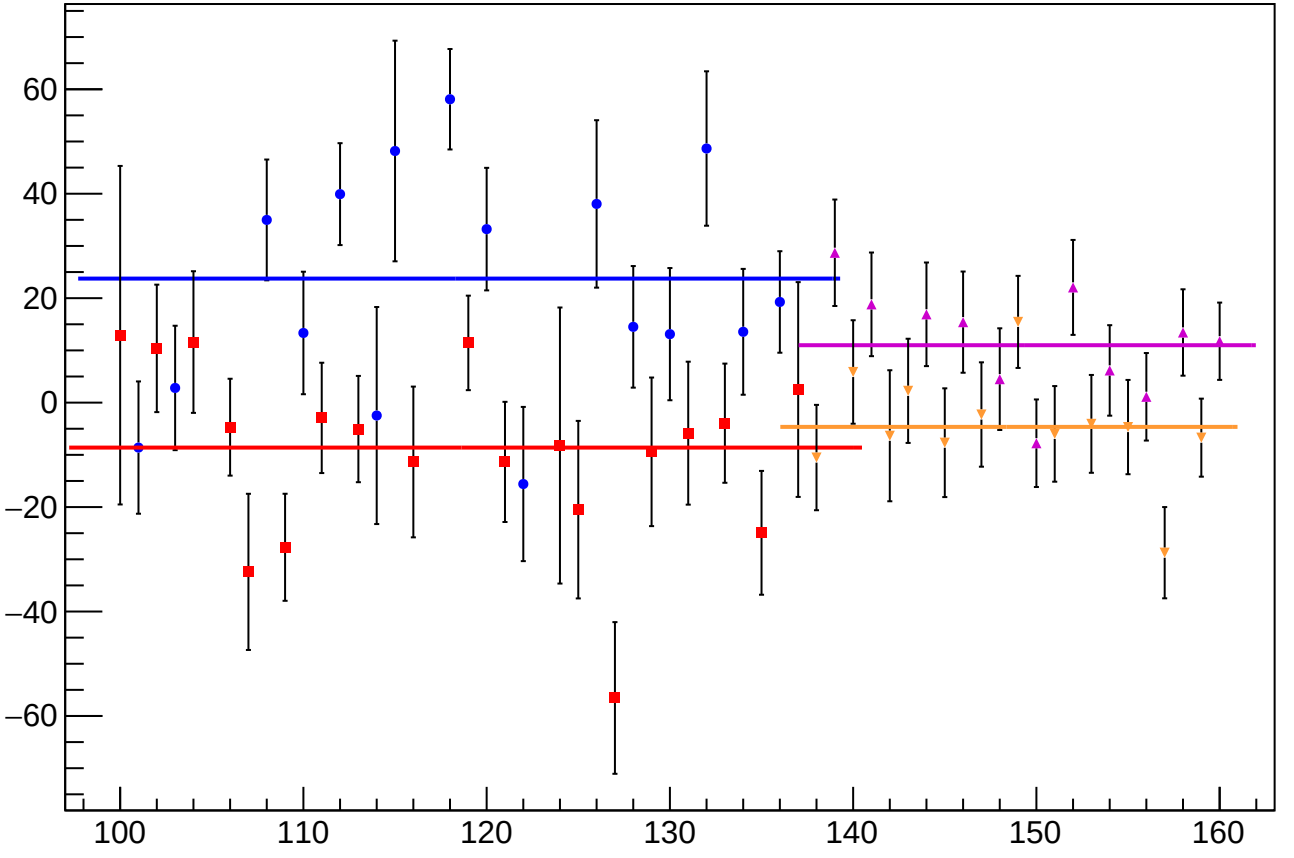
Left In: 1236.067+/-0.291 χ^2/NDF:791758.7/10

+ sign 1200.910+/-0.211 χ^2/NDF: 809956.4/27

All: 1216.328+/-0.150 χ^2/NDF: 1695332.8/57

- 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: -4.646+/-2.720 χ^2/NDF:15.0/11

Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

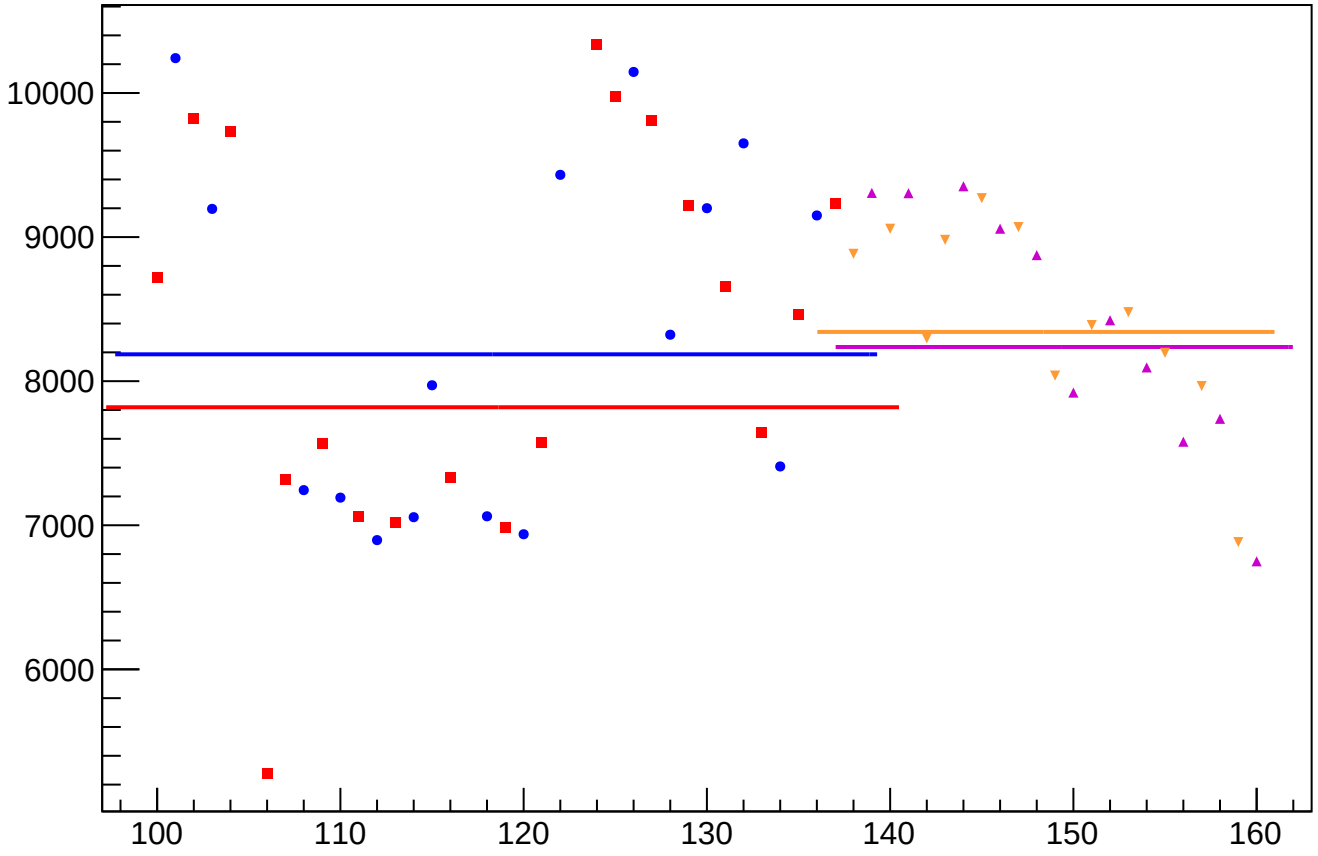
Left In: 10.993+/-2.693 χ^2/NDF:12.9/10

+ sign 7.791+/-2.039 χ^2/NDF: 106.2/27

All: 4.756+/-1.418 χ^2/NDF: 178.4/57

- sign 1.914+/-1.973 χ^2/NDF: 67.9/29

diff_bpm0l09X_rms vs Slug



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8341.785+/-1.924 χ^2/NDF:134253.1/11

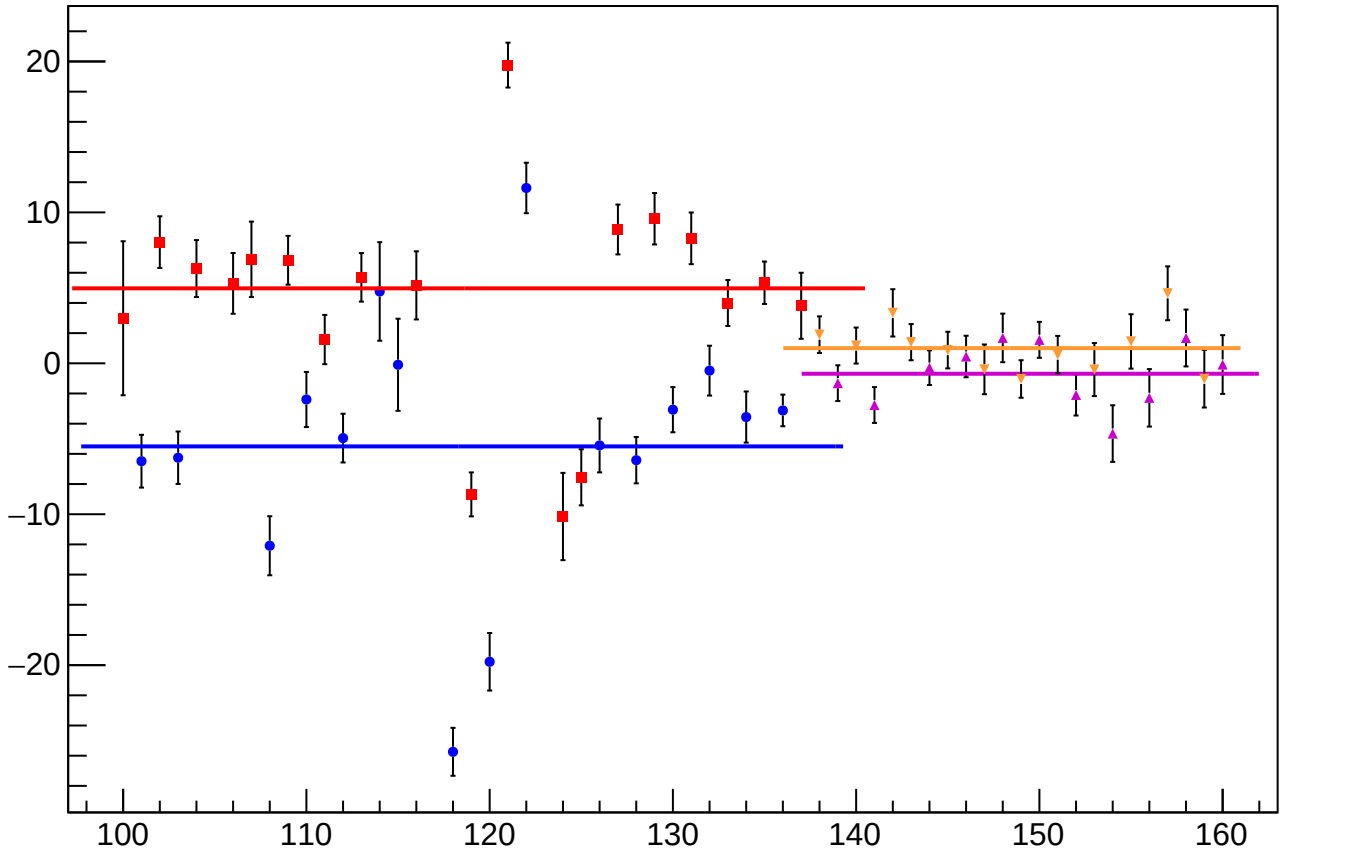
Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8237.166+/-1.904 χ^2/NDF:197986.6/10

+ sign 8273.709+/-1.442 χ^2/NDF: 427741.4/27

All: 8154.783+/-1.003 χ^2/NDF: 1084237.2/57

- 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: 1.007+/-0.407 χ^2/NDF:12.4/11

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

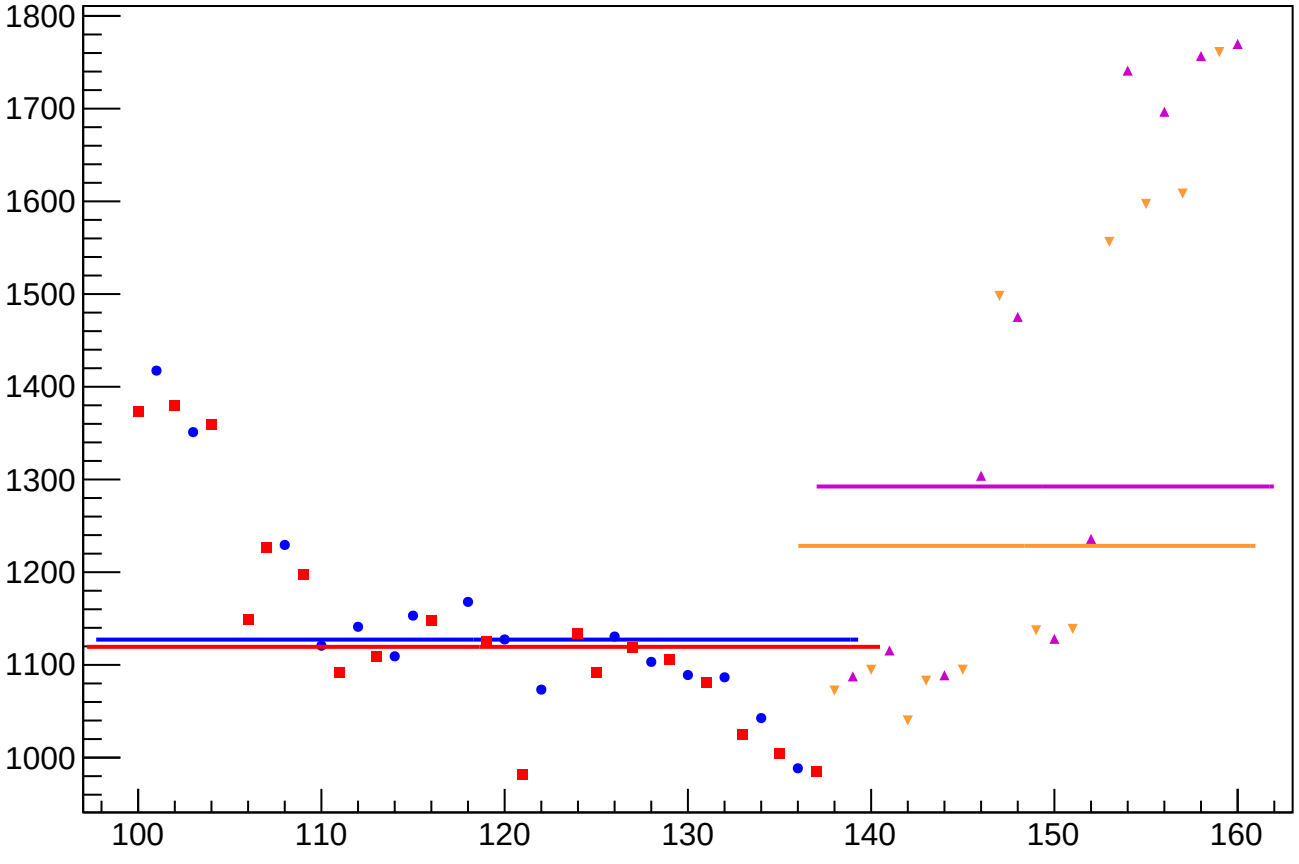
Left In: -0.692+/-0.429 χ^2/NDF:17.8/10

+ sign -2.138+/-0.292 χ^2/NDF: 506.1/27

All: 0.032+/-0.208 χ^2/NDF: 1013.7/57

- sign 2.260+/-0.296 χ^2/NDF: 396.1/29

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1228.374+/-0.288 χ^2/NDF:615536.7/11

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

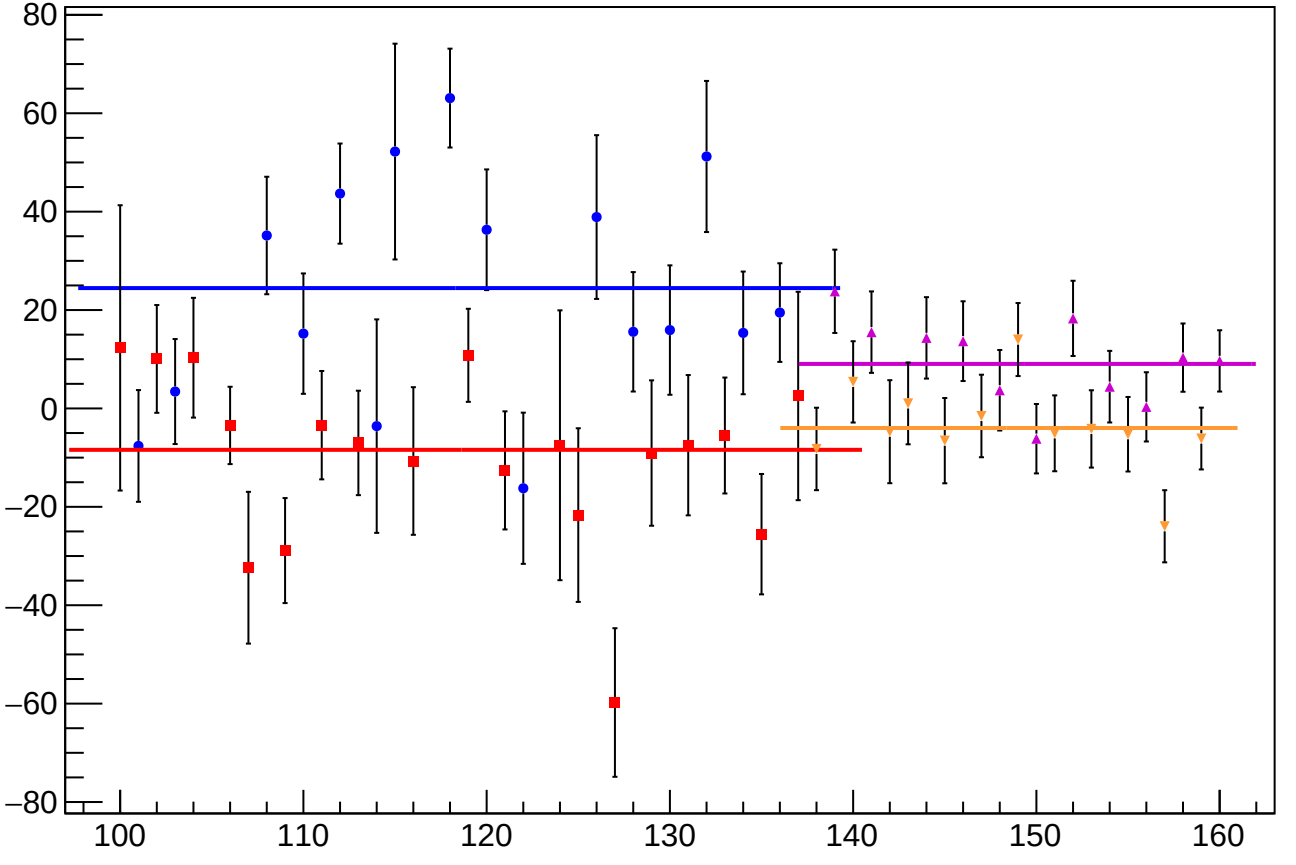
Left In: 1292.439+/-0.303 χ^2/NDF:680962.2/10

+ sign 1179.562+/-0.207 χ^2/NDF: 815812.8/27

All: 1190.738+/-0.147 χ^2/NDF: 1813418.9/57

- 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: -3.977+/-2.279 χ^2/NDF:15.5/11

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

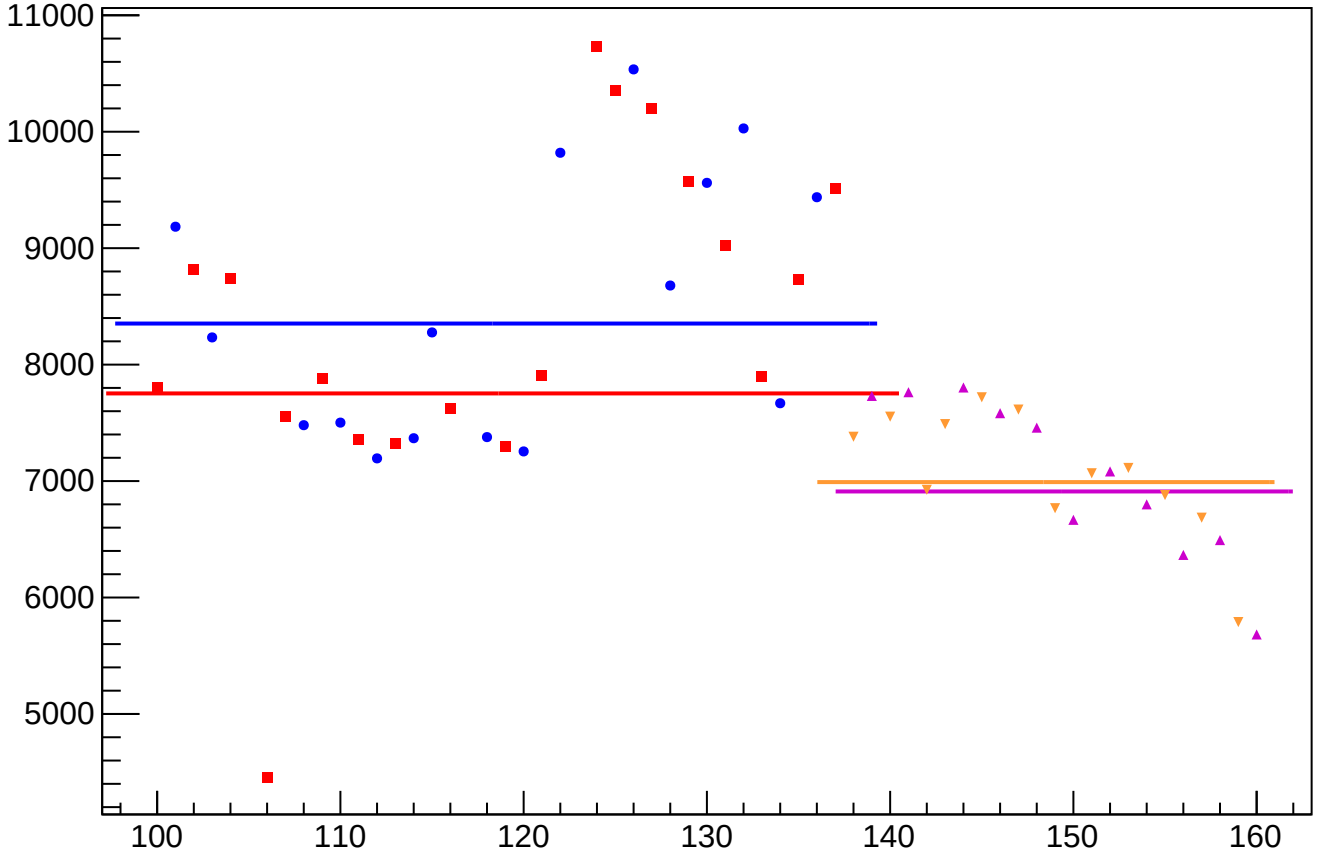
Left In: 9.049+/-2.258 χ^2/NDF:12.9/10

+ sign 5.853+/-1.844 χ^2/NDF: 117.7/27

All: 4.082+/-1.280 χ^2/NDF: 186.2/57

- sign 2.432+/-1.780 χ^2/NDF: 66.7/29

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6991.235+/-1.612 χ^2/NDF:125559.8/11

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

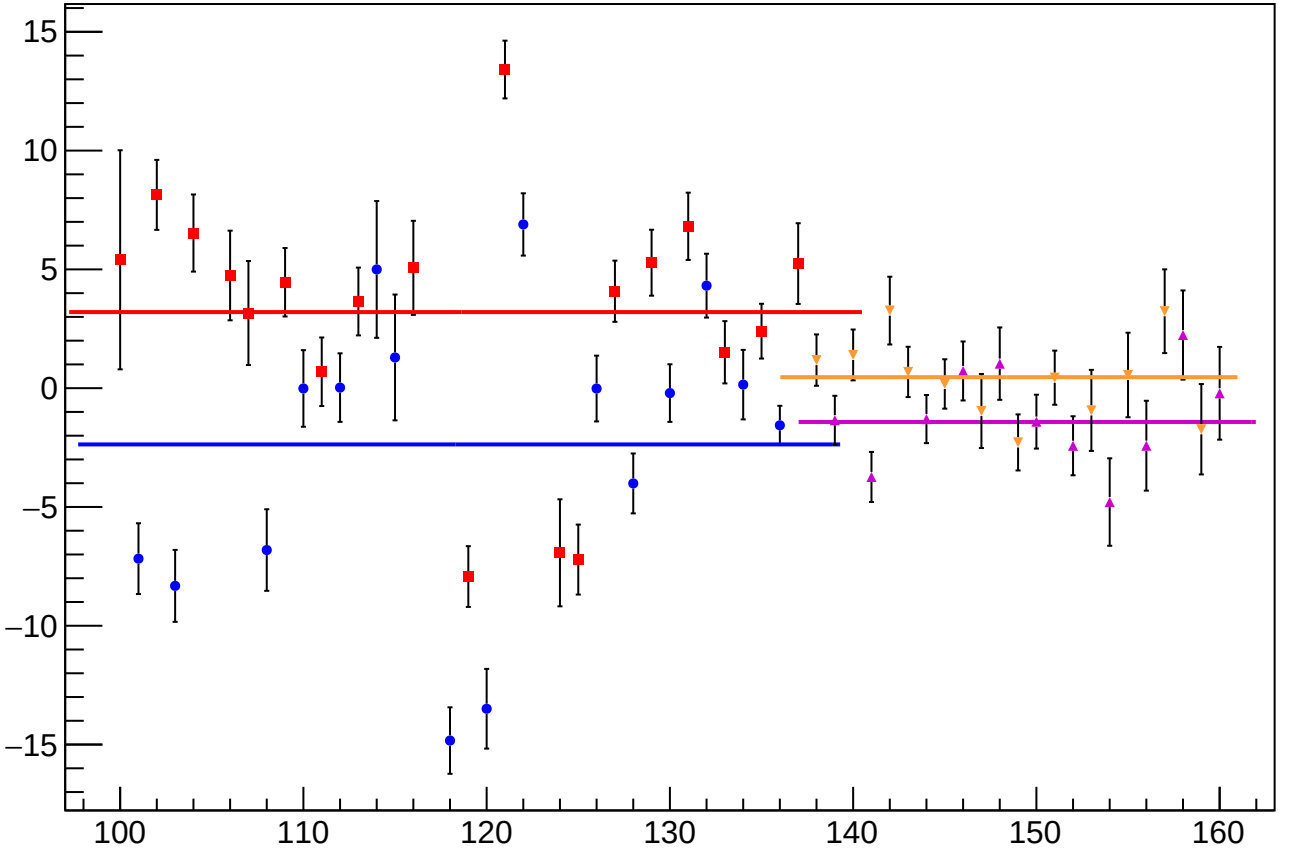
Left In: 6910.782+/-1.597 χ^2/NDF:186756.2/10

+ sign 7461.807+/-1.304 χ^2/NDF: 592642.5/27

All: 7341.704+/-0.905 χ^2/NDF: 1489204.7/57

- 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: 0.463+/-0.373 χ^2/NDF:15.9/11

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

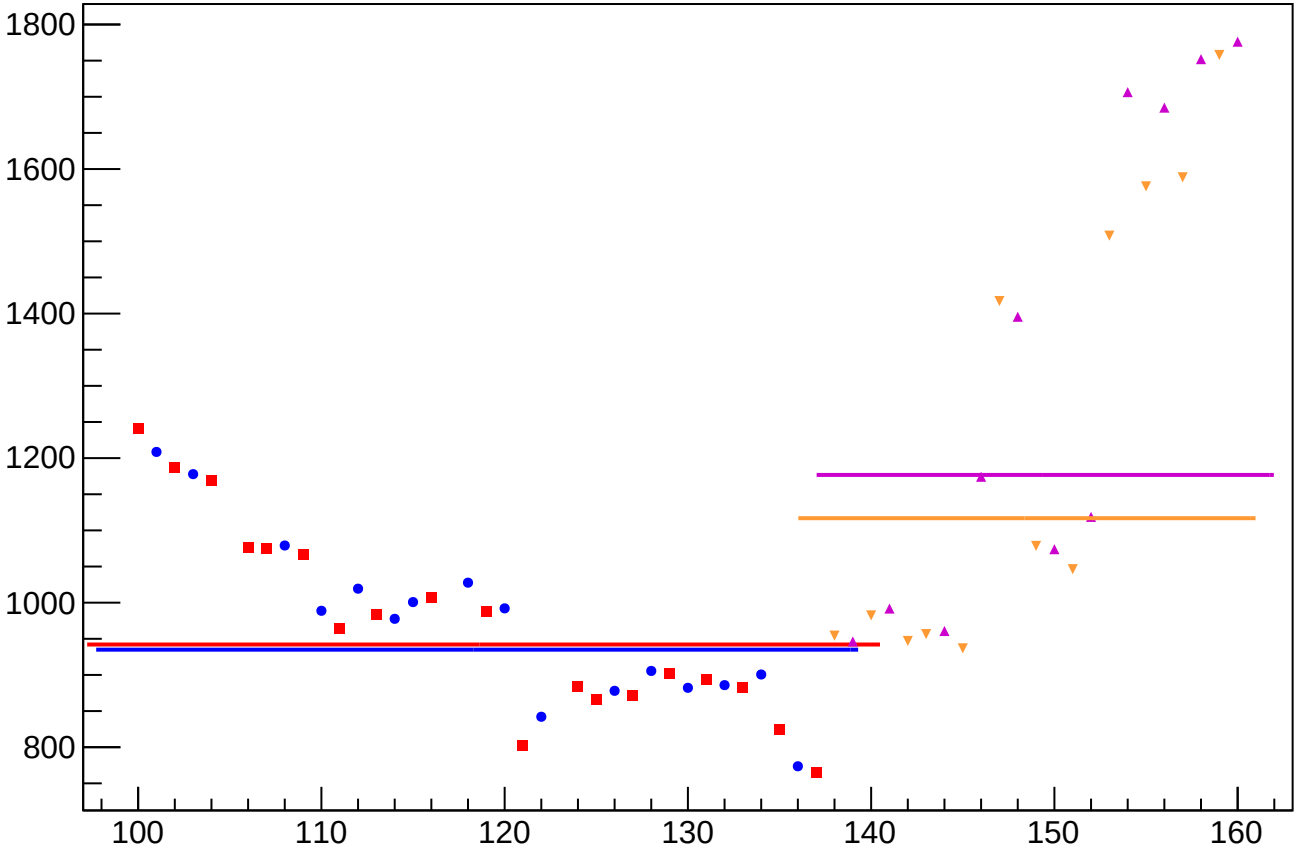
Left In: -1.422+/-0.394 χ^2/NDF:18.9/10

+ sign -1.039+/-0.255 χ^2/NDF: 302.1/27

All: 0.053+/-0.182 χ^2/NDF: 686.5/57

- 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: 1116.896+/-0.264 χ^2/NDF:903562.2/11

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

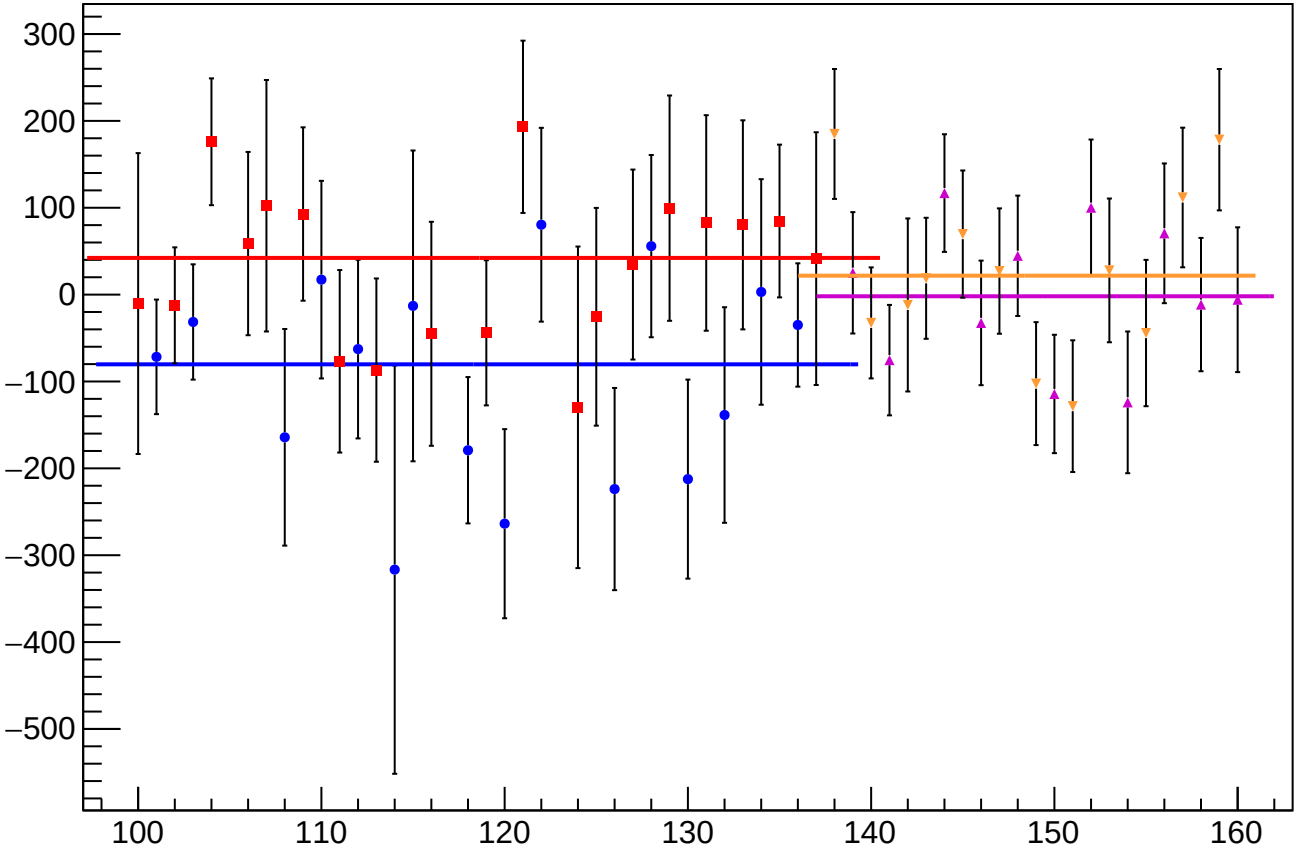
Left In: 1176.747+/-0.279 χ^2/NDF:1001343.2/10

+ sign 1020.323+/-0.181 χ^2/NDF: 1410769.2/27

All: 1032.142+/-0.129 χ^2/NDF: 3053524.5/57

- 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: 21.808+/-21.950 χ^2/NDF:18.6/11

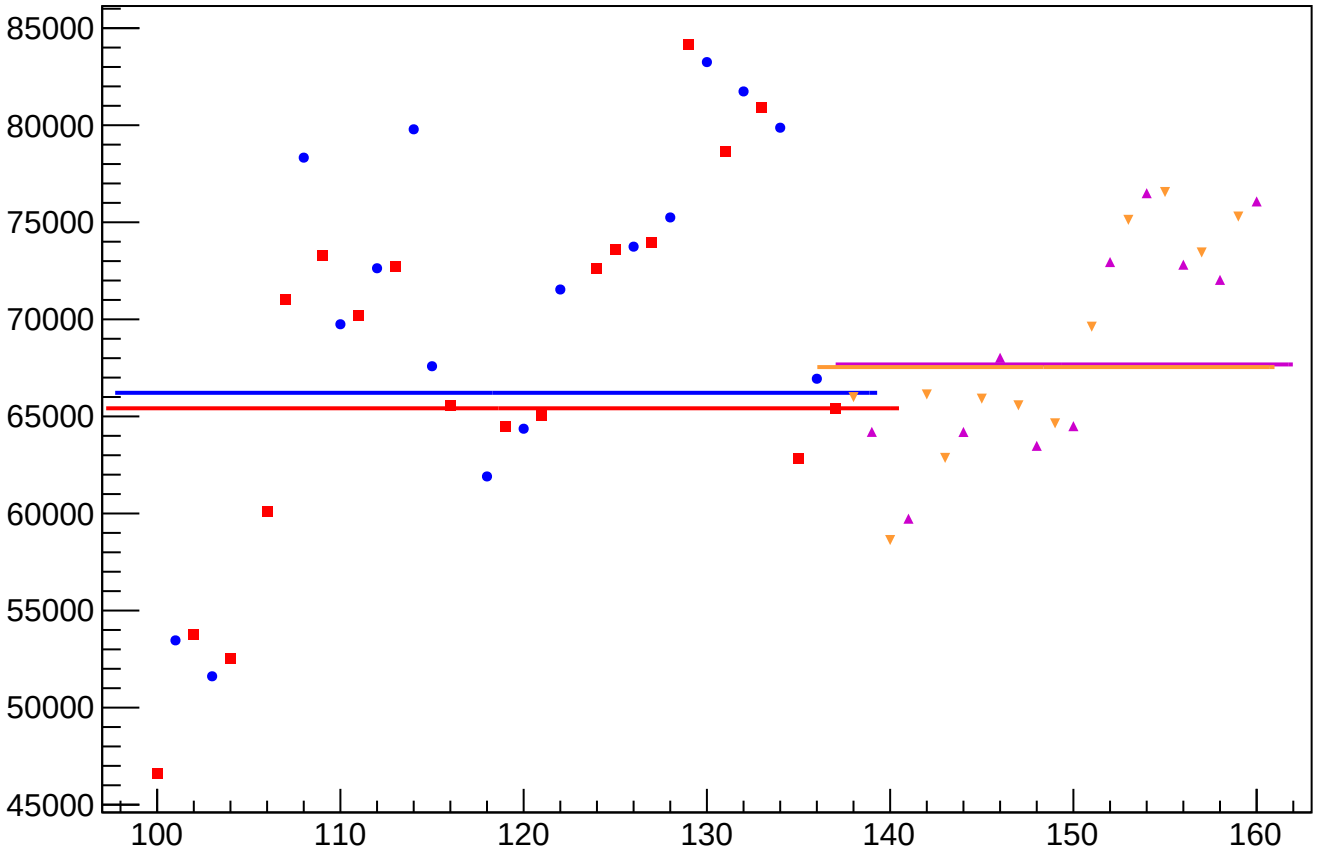
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -1.906+/-21.982 χ^2/NDF:12.7/10

+ sign -22.803+/-16.468 χ^2/NDF: 42.9/27

All: -2.078+/-11.569 χ^2/NDF: 73.5/57

- 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: 67541.377+/-15.521 χ^2/NDF:125158.7/11

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

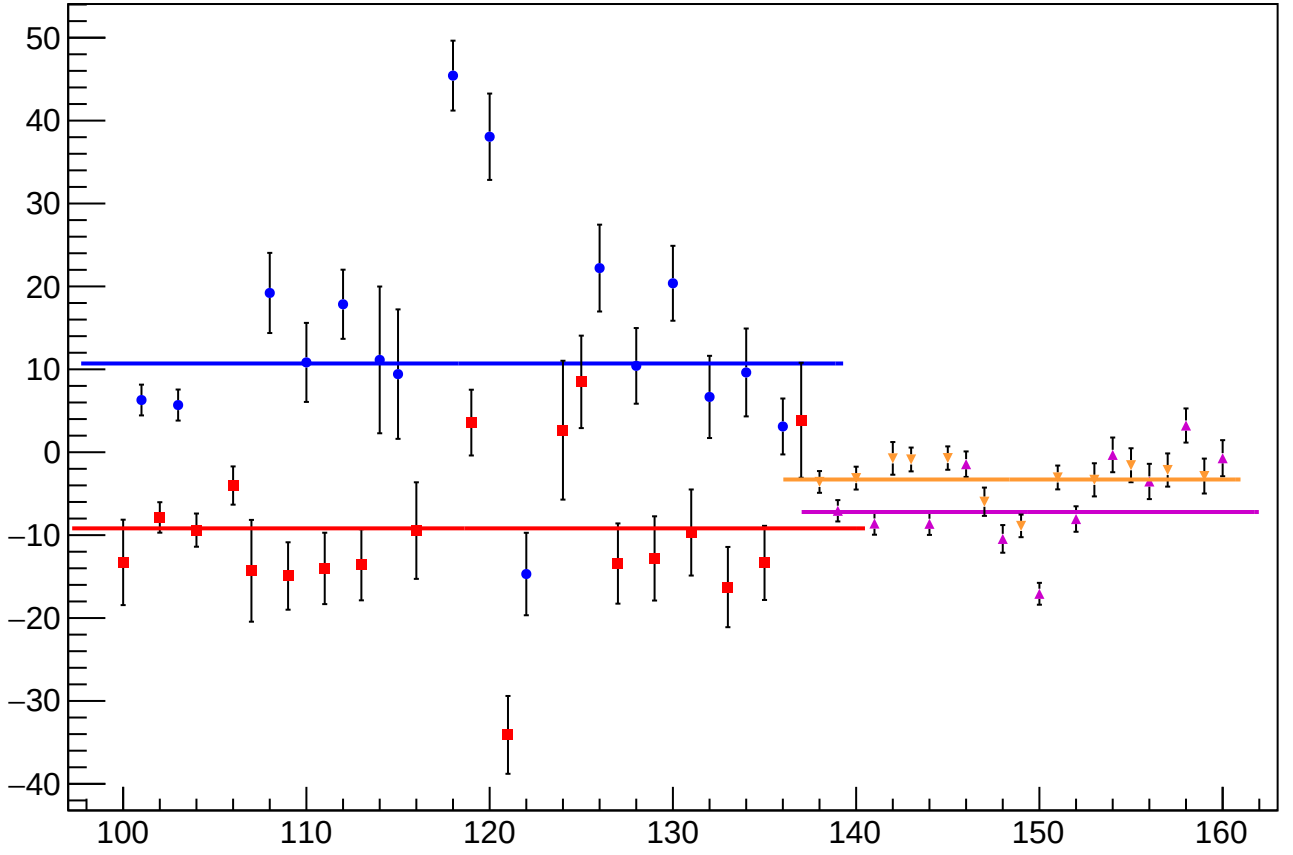
Left In: 67677.192+/-15.544 χ^2/NDF:120499.7/10

+ sign 66962.095+/-11.645 χ^2/NDF: 466723.0/27

All: 66805.788+/-8.180 χ^2/NDF: 901704.3/57

- 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: -3.289+/-0.462 χ^2/NDF:28.4/11

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

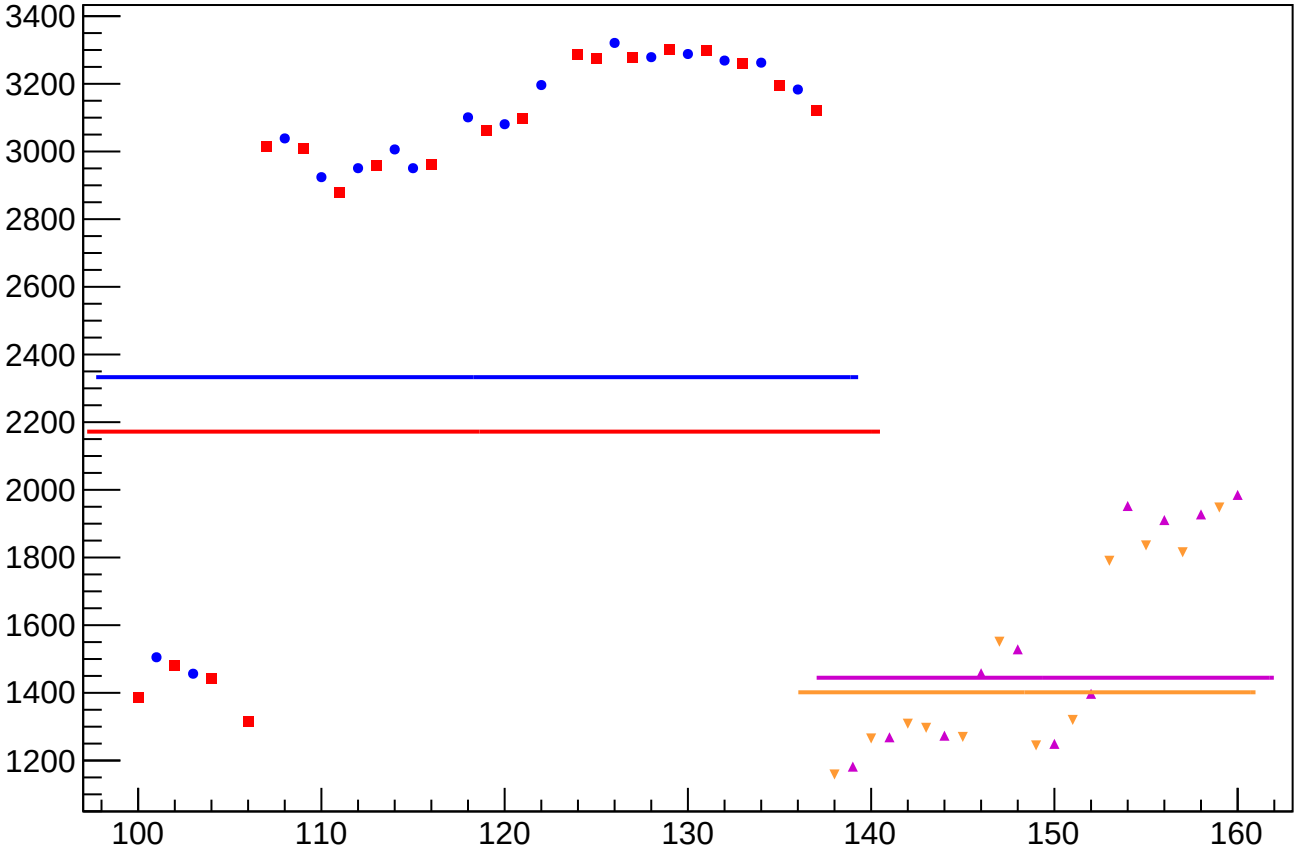
Left In: -7.209+/-0.478 χ^2/NDF:124.7/10

+ sign -0.472+/-0.413 χ^2/NDF: 368.5/27

All: -4.048+/-0.293 χ^2/NDF: 718.0/57

- 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: 1401.627+/-0.327 χ^2/NDF:554404.9/11

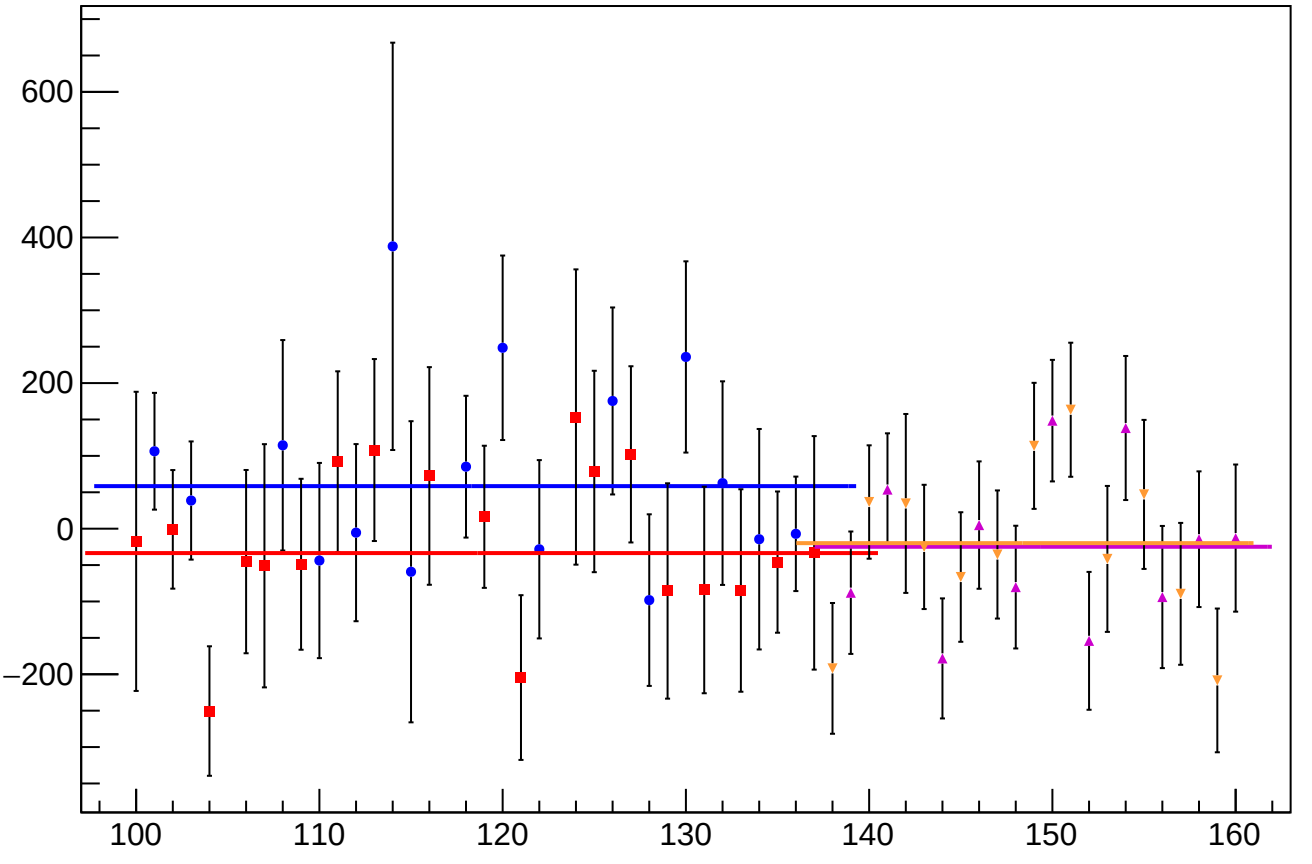
Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1444.643+/-0.338 χ^2/NDF:647619.1/10

+ sign 1589.107+/-0.292 χ^2/NDF: 3841089.9/27

All: 1603.998+/-0.207 χ^2/NDF: 7591112.5/57

- sign 1619.132+/-0.294 χ^2/NDF: 3744780.4/29



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -19.866+/-26.708 χ^2/NDF:15.7/11

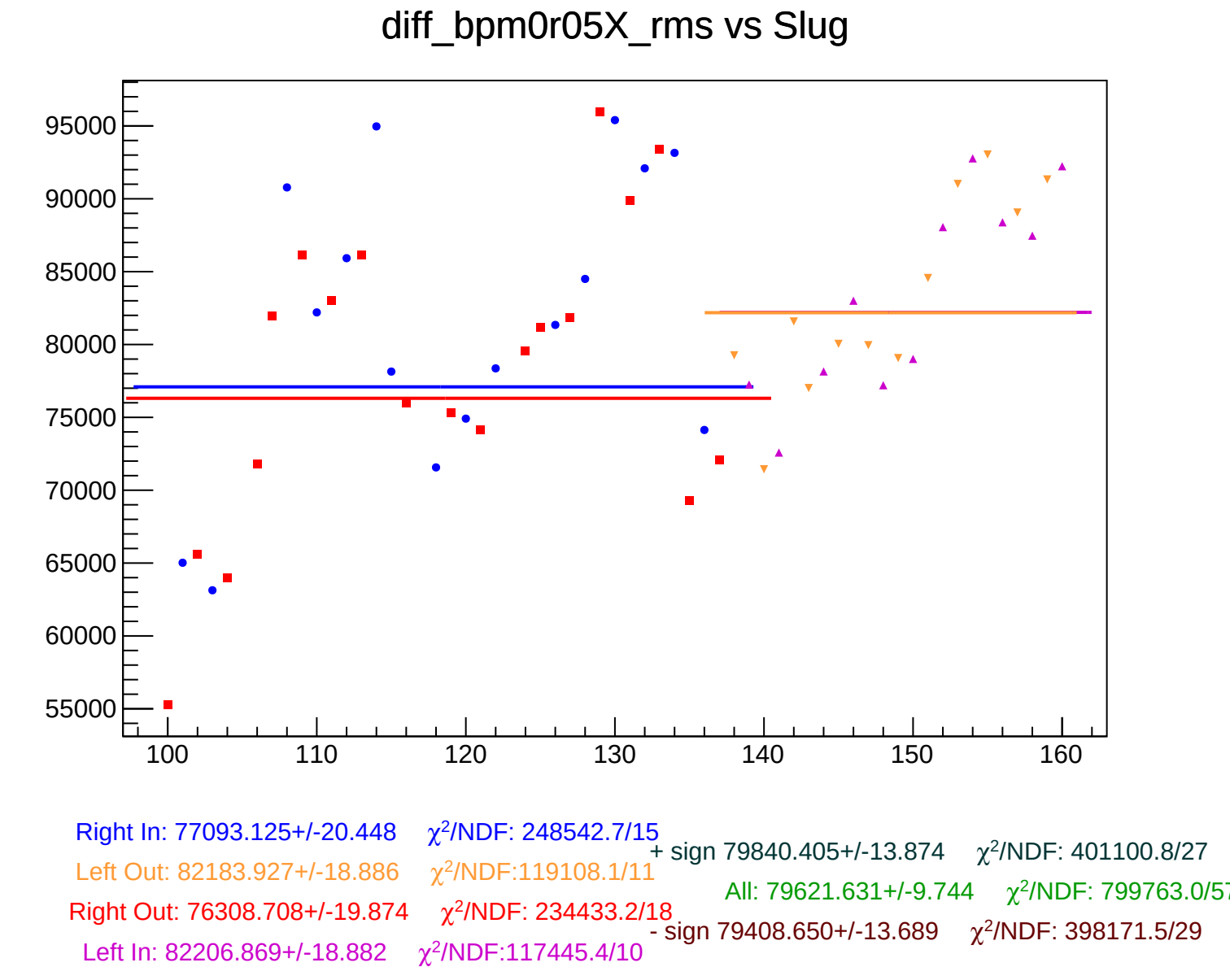
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -24.845+/-26.703 χ^2/NDF:15.0/10

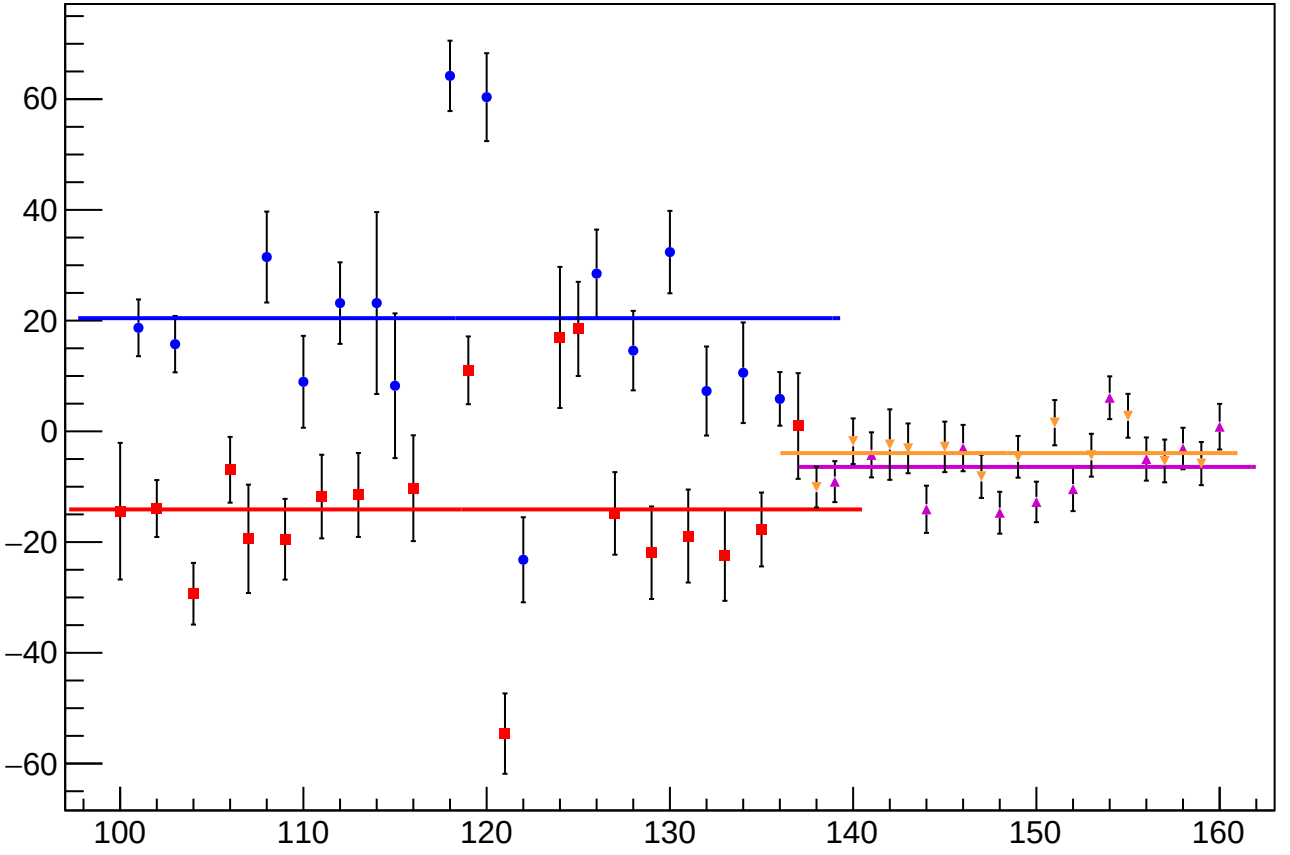
+ sign 16.185+/-19.620 χ^2/NDF: 30.9/27

All: -6.691+/-13.780 χ^2/NDF: 63.4/57

- sign -28.961+/-19.359 χ^2/NDF: 29.7/29


diff_bpm0r05X_rms vs Slug
95000
90000
85000
80000
75000
70000
65000
60000
55000
100
110
120
130
140
150
160
Right In: 77093.125+/-20.448 χ²/NDF: 248542.7/15
Left Out: 82183.927+/-18.886 χ²/NDF:119108.1/11
Right Out: 76308.708+/-19.874 χ²/NDF: 234433.2/18
Left In: 82206.869+/-18.882 χ²/NDF:117445.4/10
+ sign 79840.405+/-13.874 χ²/NDF: 401100.8/27
All: 79621.631+/-9.744 χ²/NDF: 799763.0/57
- sign 79408.650+/-13.689 χ²/NDF: 398171.5/29

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.928+/-1.184 χ^2/NDF:9.5/11

Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

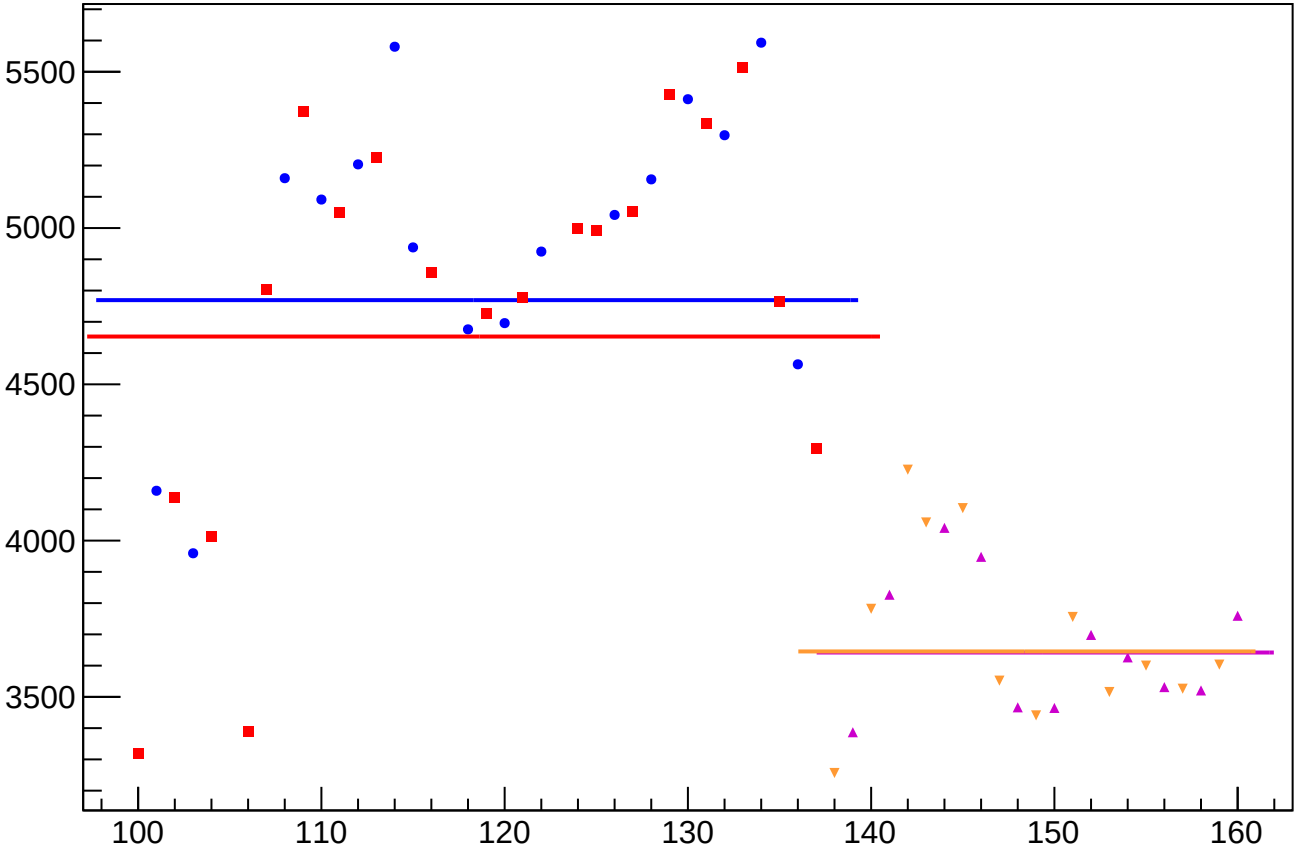
Left In: -6.423+/-1.182 χ^2/NDF:27.9/10

+ sign 3.534+/-0.986 χ^2/NDF: 267.0/27

All: -2.766+/-0.693 χ^2/NDF: 472.9/57

- sign -8.898+/-0.973 χ^2/NDF: 125.3/29

diff_bpm0r05Y_rms vs Slug



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3645.385+/-0.837 χ^2/NDF:91274.6/11

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

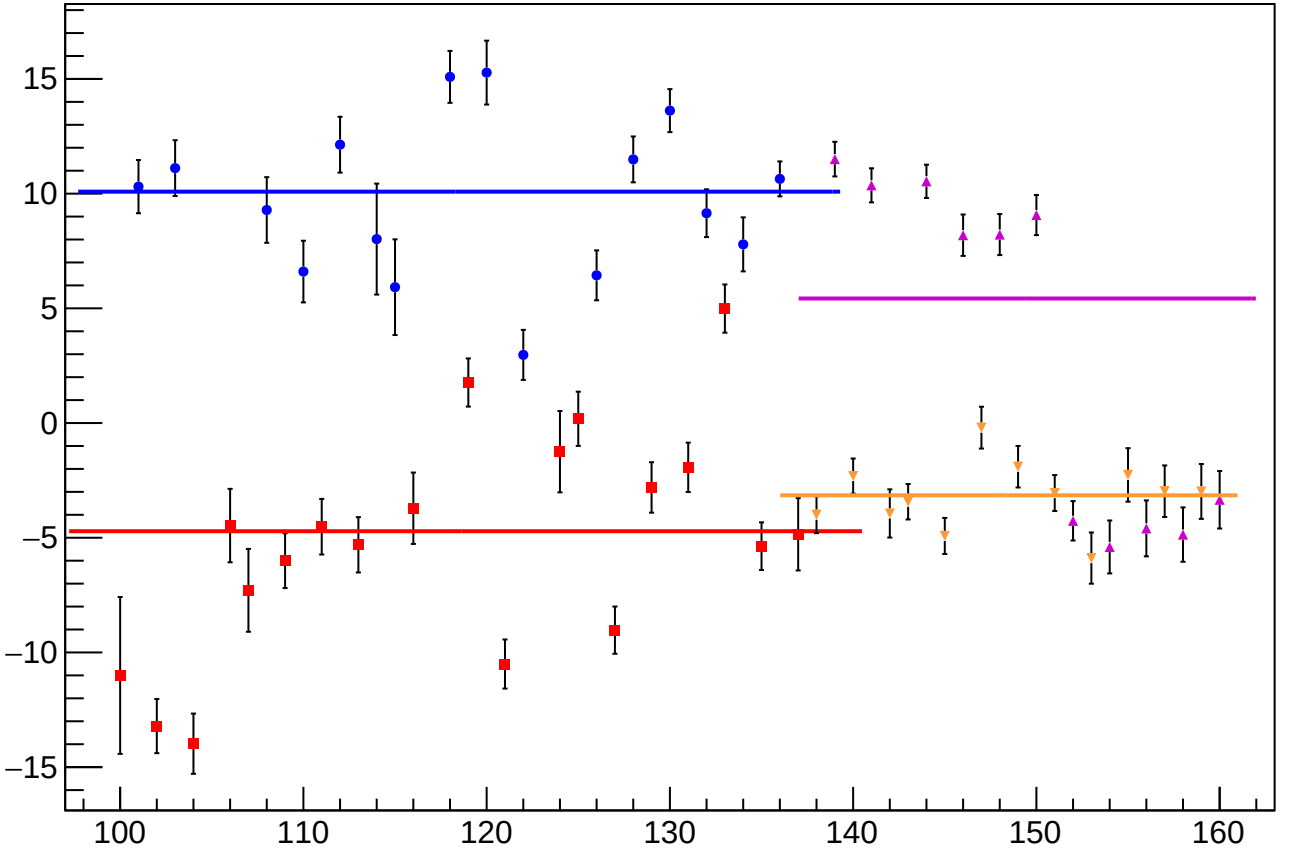
Left In: 3641.961+/-0.836 χ^2/NDF:56601.5/10

+ sign 3989.549+/-0.697 χ^2/NDF: 795022.4/27

All: 3978.558+/-0.490 χ^2/NDF: 1588956.4/57

- 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: -3.149+/-0.262 χ^2/NDF:27.1/11

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

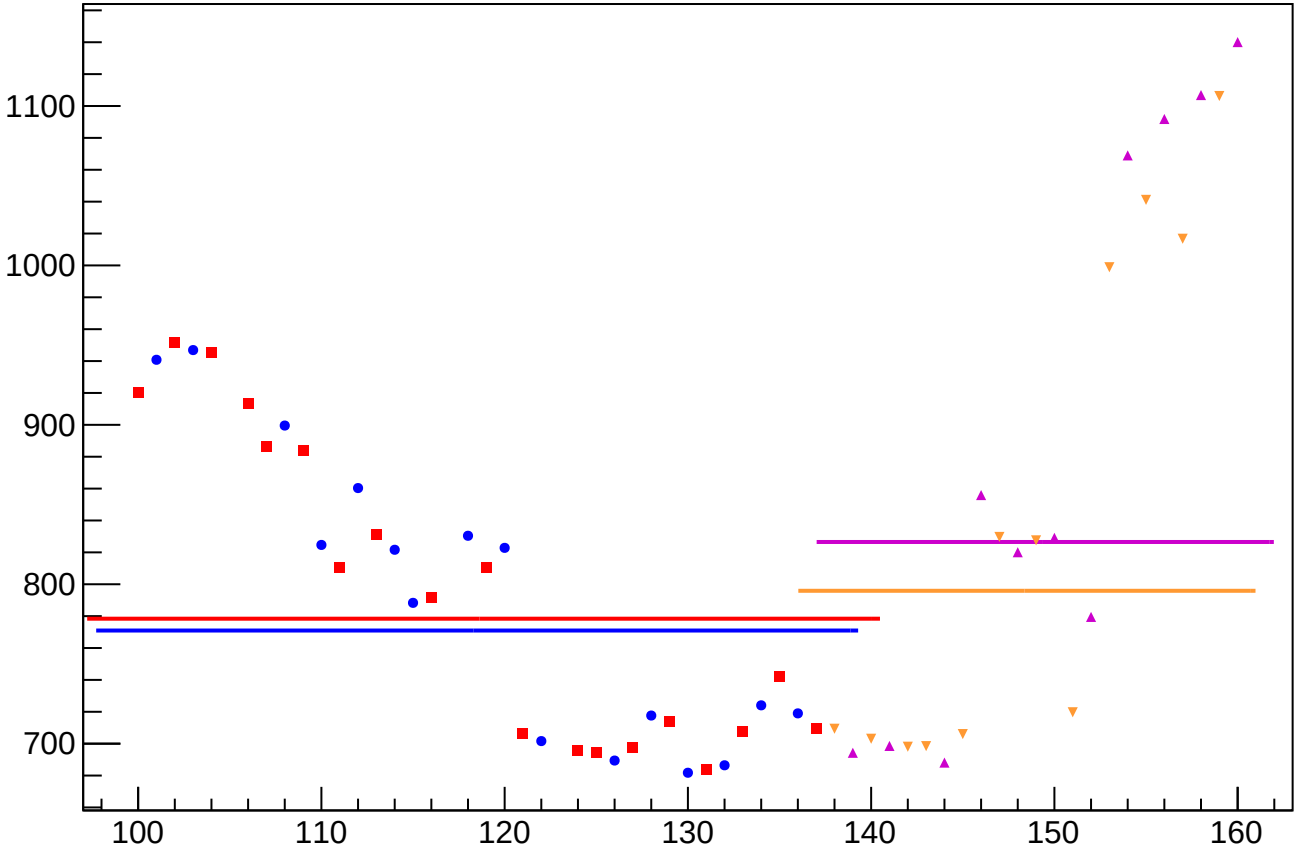
Left In: 5.429+/-0.273 χ^2/NDF:602.6/10

+ sign 2.845+/-0.194 χ^2/NDF: 1303.6/27

All: 1.734+/-0.138 χ^2/NDF: 2941.2/57

- sign 0.583+/-0.198 χ^2/NDF: 1570.9/29

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 795.899+/-0.186 χ^2/NDF:518062.3/11

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

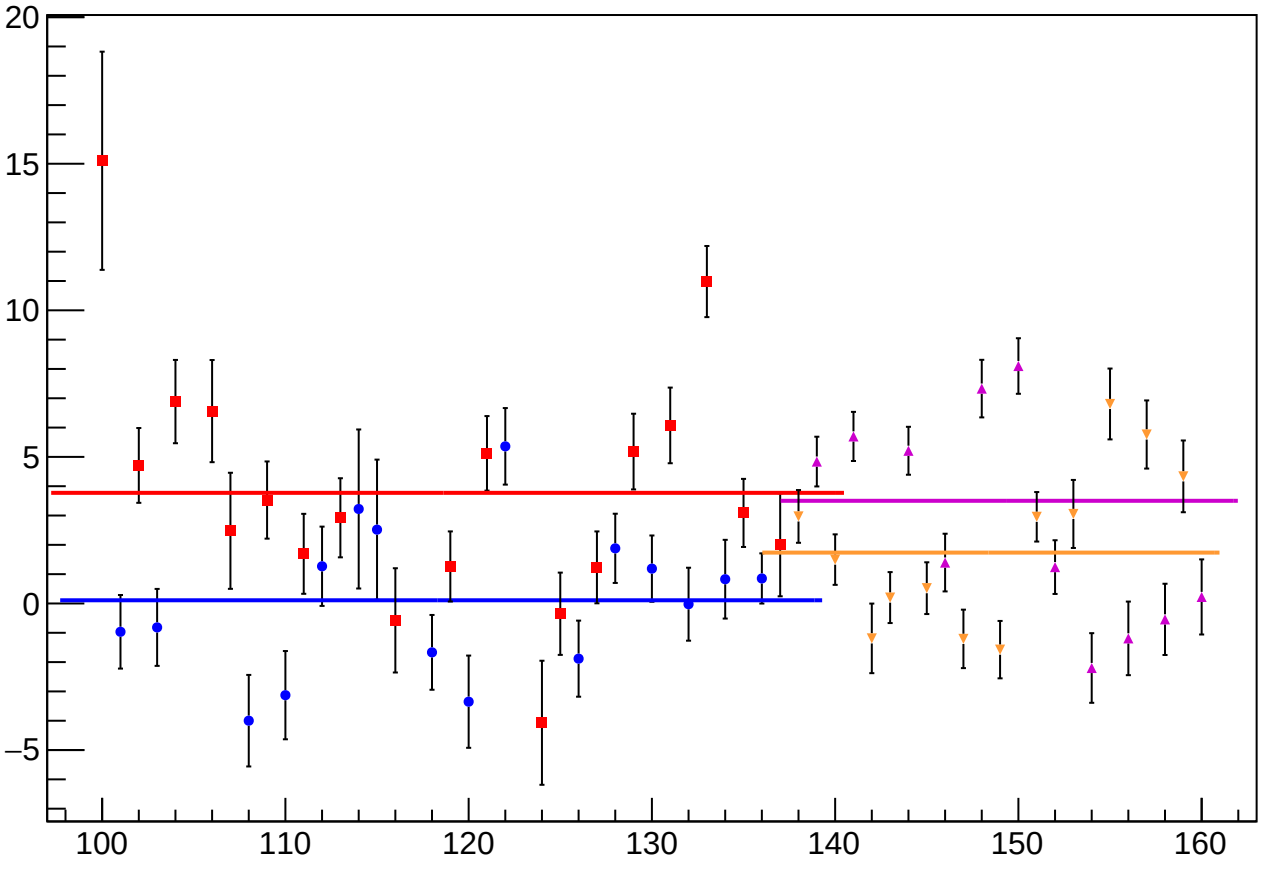
Left In: 826.515+/-0.193 χ^2/NDF:621949.2/10

\+ sign 784.611+/-0.137 χ^2/NDF: 719149.9/27

All: 793.901+/-0.098 χ^2/NDF: 1576592.3/57

\- 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: 1.736+/-0.286 χ^2/NDF:70.7/11

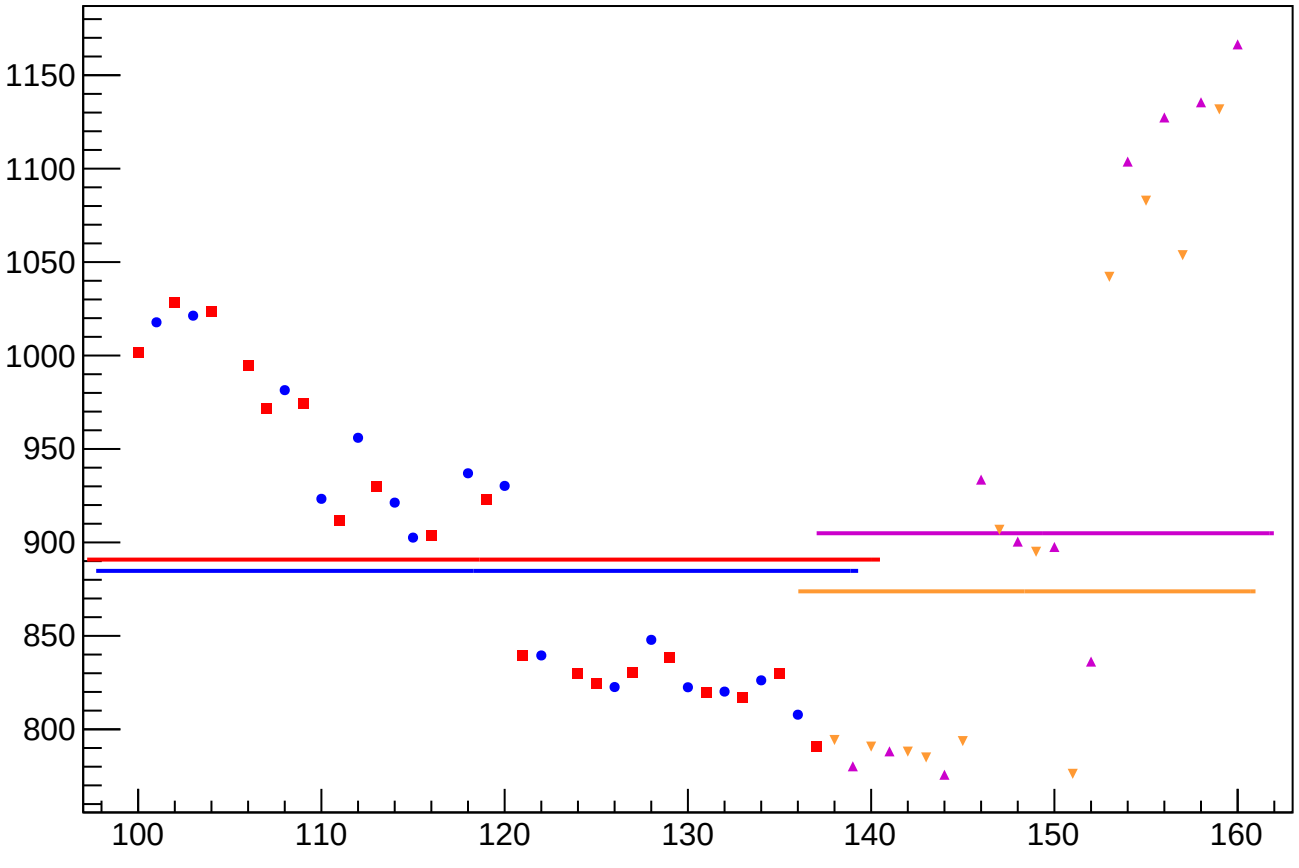
Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: 3.502+/-0.297 χ^2/NDF:117.8/10

+ sign 1.036+/-0.216 χ^2/NDF: 129.9/27

All: 2.311+/-0.154 χ^2/NDF: 418.2/57

- sign 3.626+/-0.220 χ^2/NDF: 217.7/29



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 873.819+/-0.203 χ^2/NDF:350543.2/11

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

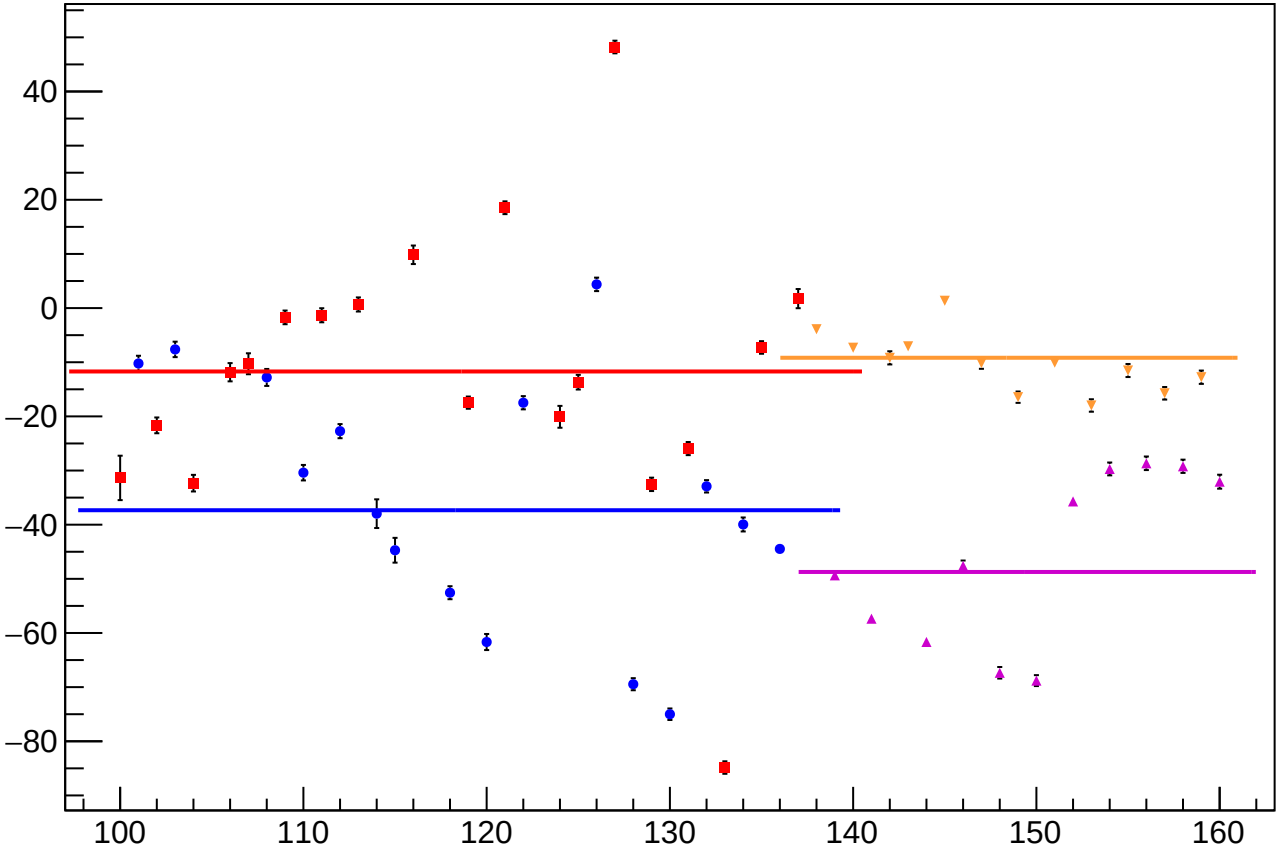
Left In: 904.908+/-0.210 χ^2/NDF:419402.8/10

+ sign 878.527+/-0.153 χ^2/NDF: 456294.6/27

All: 888.364+/-0.109 χ^2/NDF: 993904.9/57

- 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: -9.173+/-0.291 χ^2/NDF:332.0/11

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

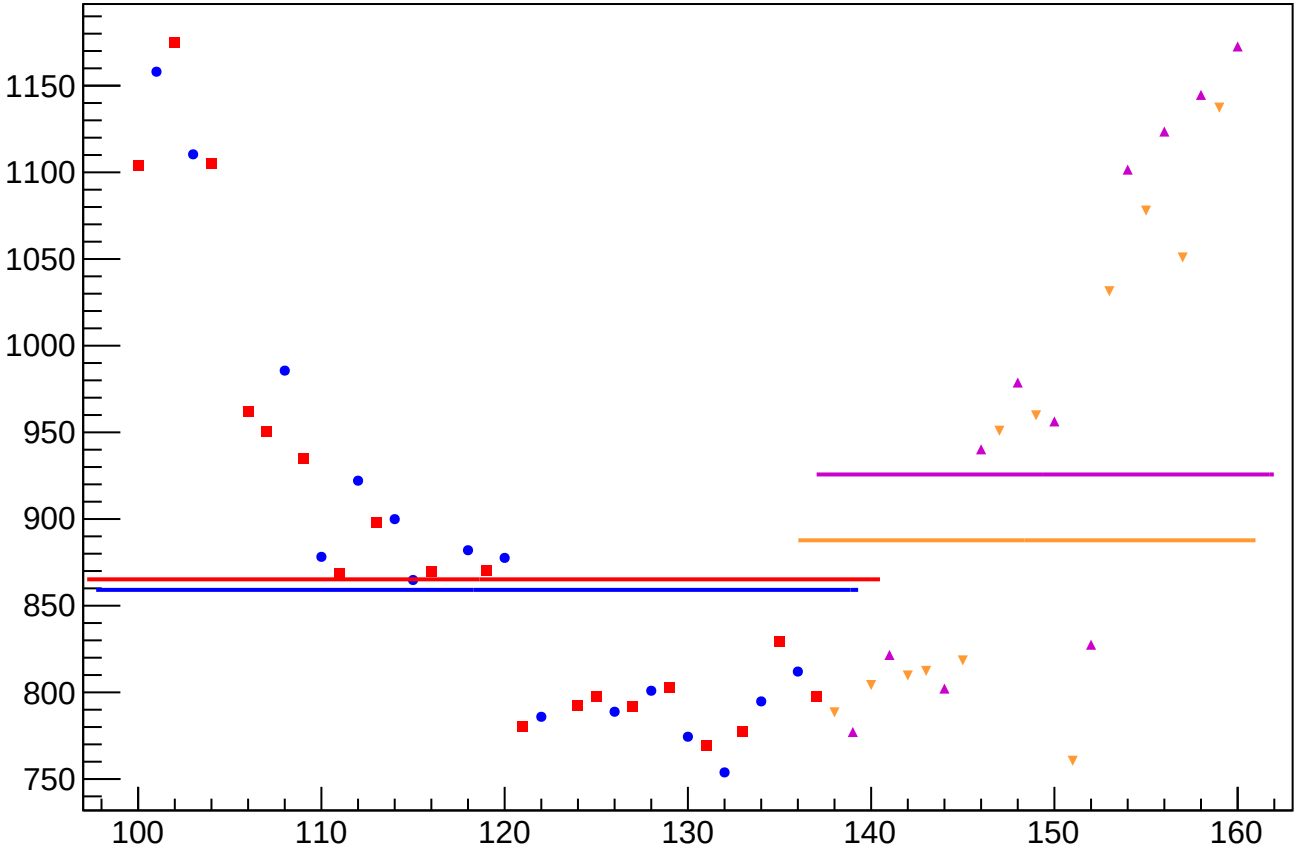
Left In: -48.731+/-0.304 χ^2/NDF:2173.1/10

+ sign -21.844+/-0.216 χ^2/NDF: 9729.2/27

All: -26.363+/-0.154 χ^2/NDF: 28343.0/57

- sign -31.045+/-0.220 χ^2/NDF: 17721.3/29

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 887.722+/-0.206 χ^2/NDF:343621.2/11

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

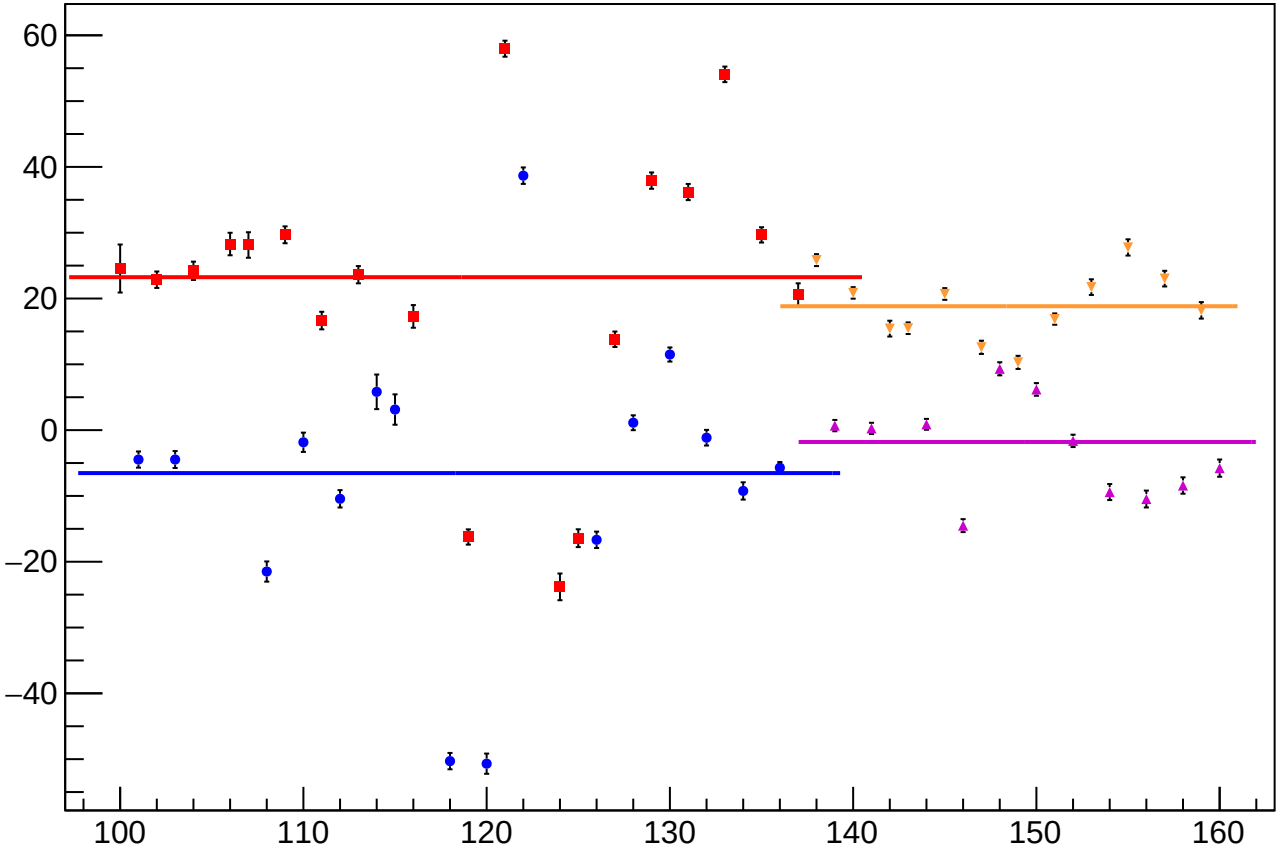
Left In: 925.706+/-0.215 χ^2/NDF:394700.9/10

+ sign 874.853+/-0.153 χ^2/NDF: 581020.5/27

All: 885.636+/-0.109 χ^2/NDF: 1247378.9/57

- 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: 18.828+/-0.291 χ^2/NDF:279.2/11

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

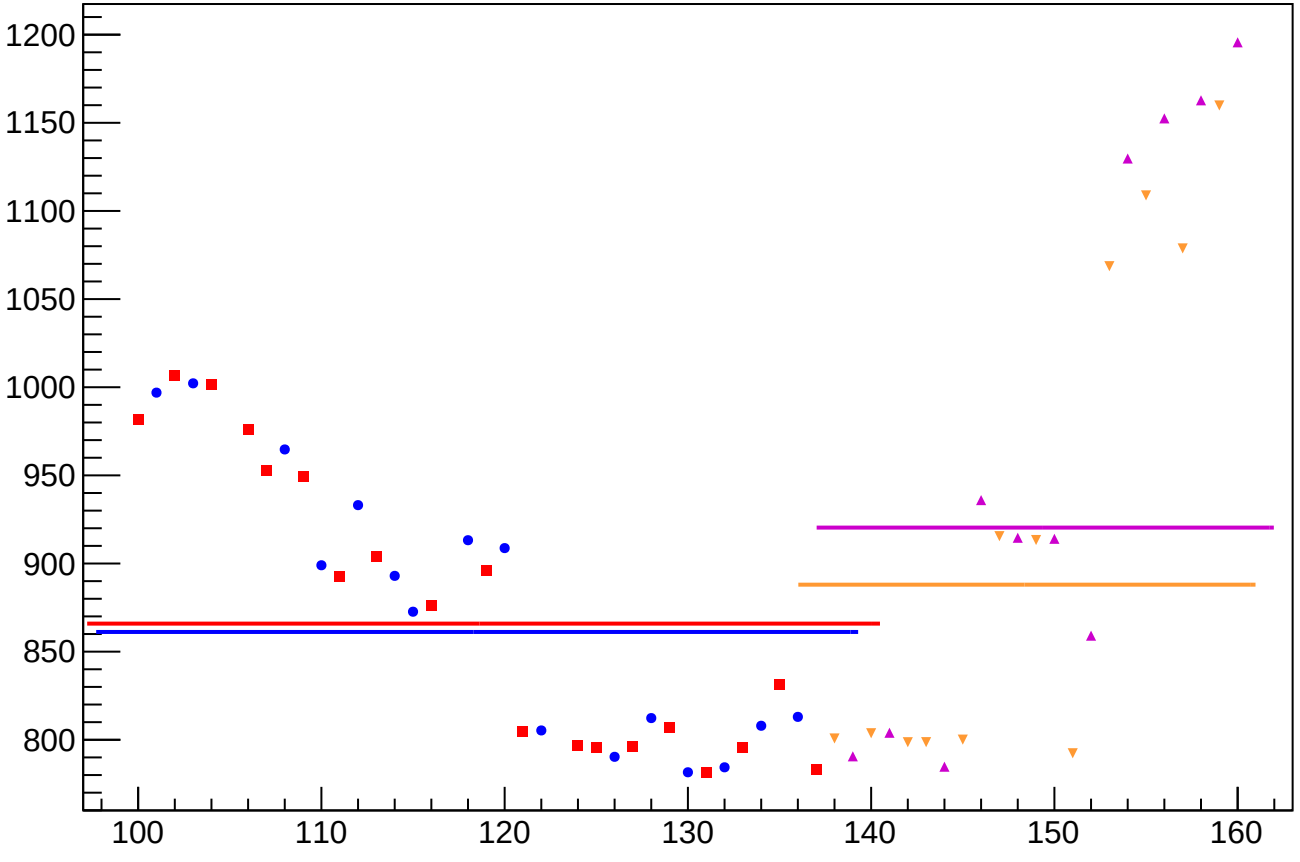
Left In: -1.800+/-0.302 χ^2/NDF:506.0/10

+ sign 7.388+/-0.216 χ^2/NDF: 7645.9/27

All: 8.741+/-0.154 χ^2/NDF: 15968.8/57

- 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: 887.998+/-0.206 χ^2/NDF:370655.8/11

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

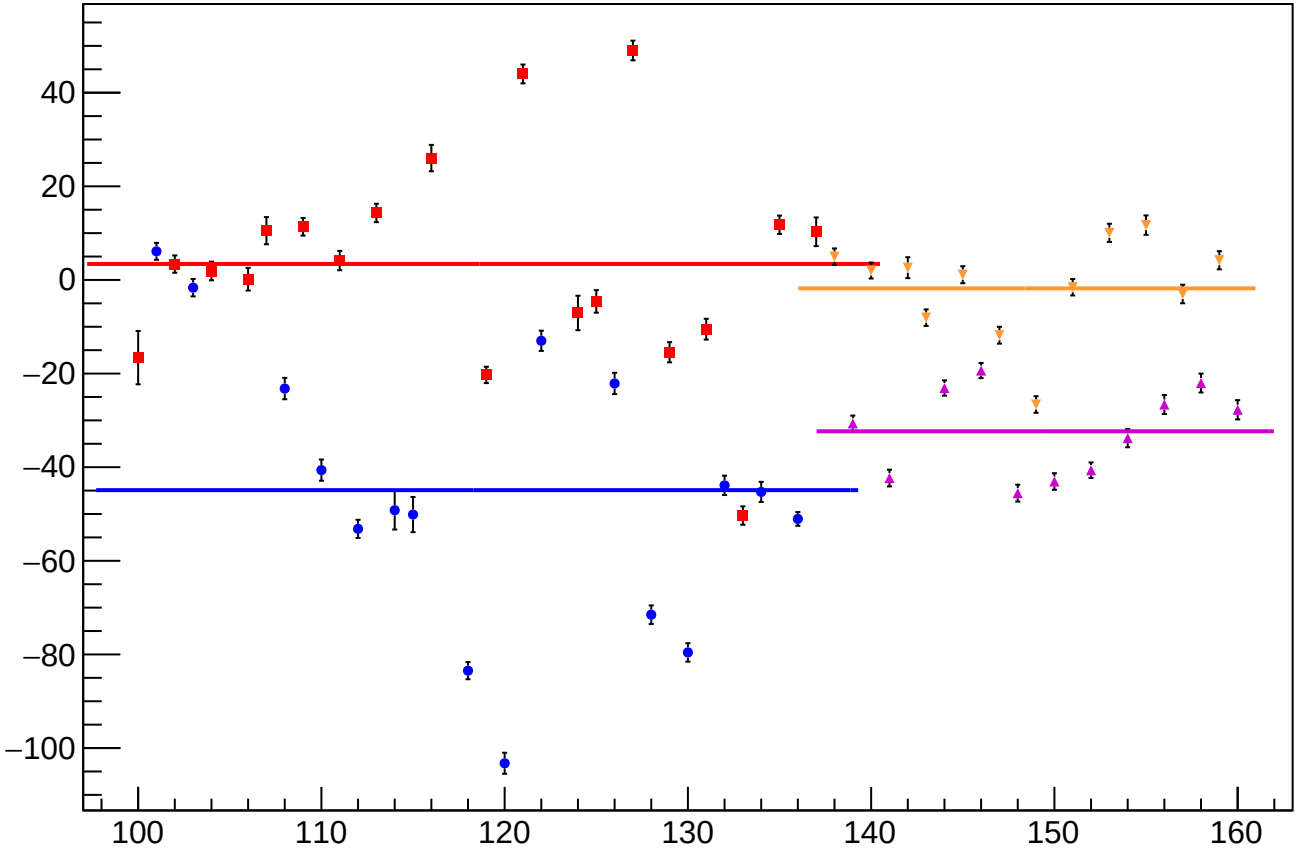
Left In: 920.375+/-0.214 χ^2/NDF:434335.4/10

+ sign 875.894+/-0.153 χ^2/NDF: 491844.1/27

All: 885.027+/-0.109 χ^2/NDF: 1082778.2/57

- 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: -1.799+/-0.537 χ^2/NDF:354.6/11

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

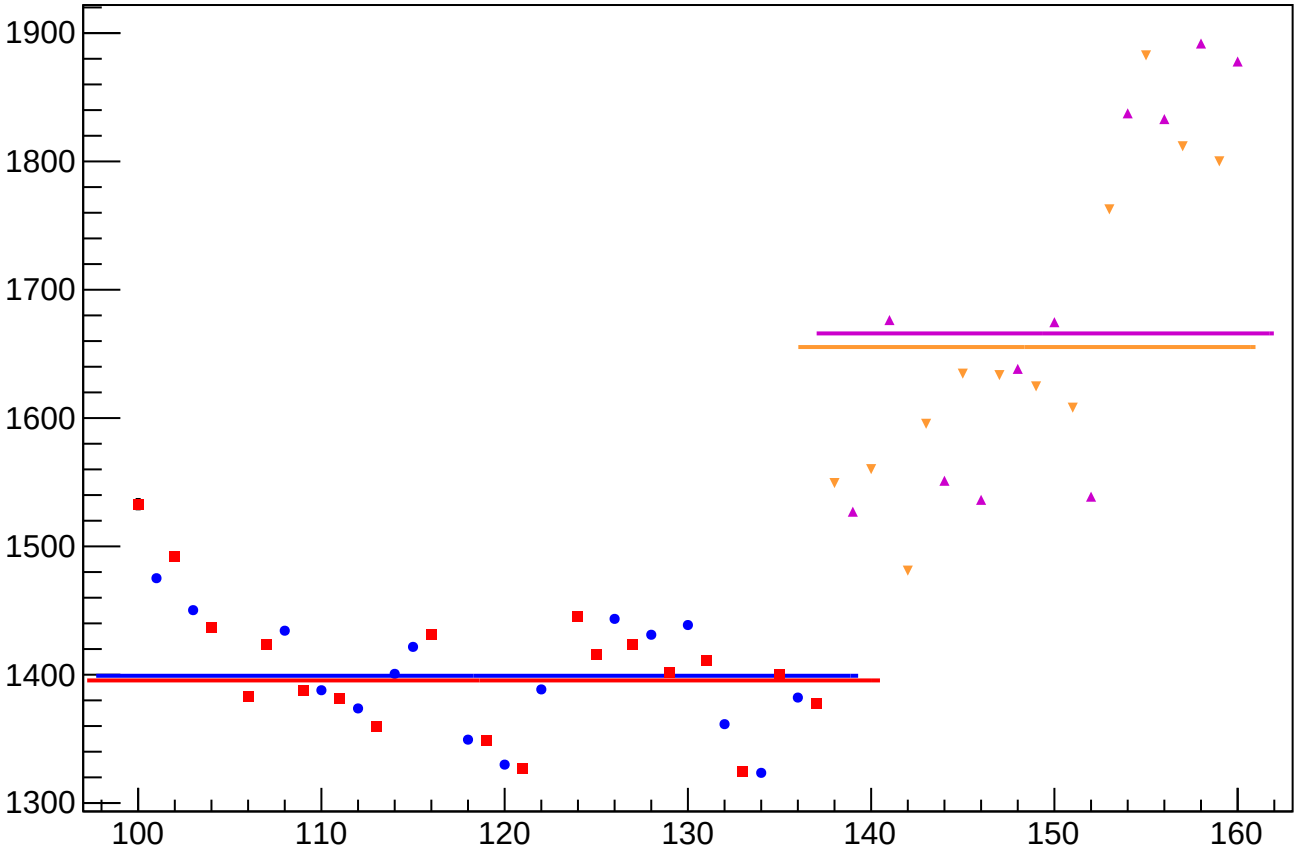
Left In: -32.331+/-0.542 χ^2/NDF:283.7/10

\+ sign -24.057+/-0.374 χ^2/NDF: 7057.0/27

All: -18.667+/-0.263 χ^2/NDF: 12168.3/57

\- sign -13.351+/-0.371 χ^2/NDF: 4697.8/29

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1655.352+/-0.380 χ^2/NDF:84428.3/11

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

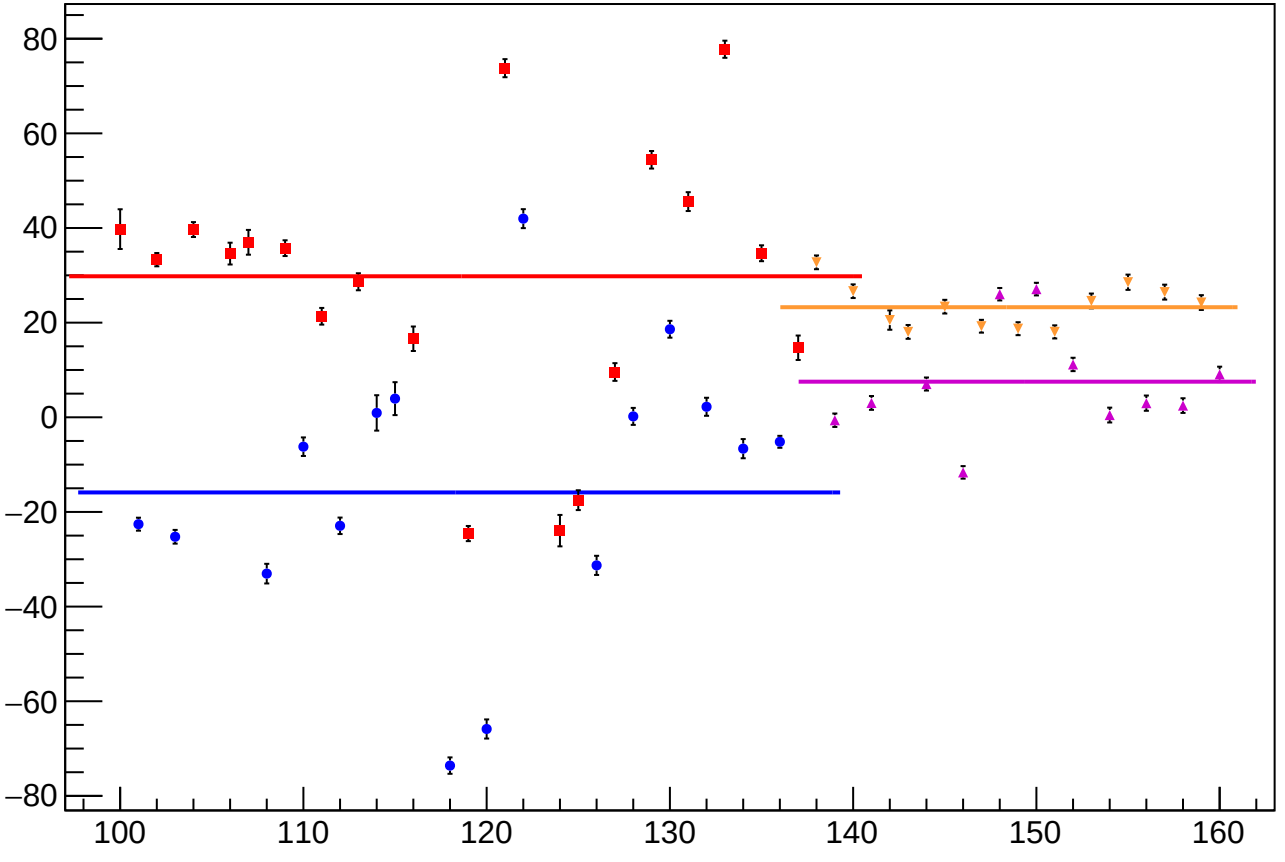
Left In: 1665.967+/-0.383 χ^2/NDF:124246.9/10

+ sign 1523.074+/-0.264 χ^2/NDF: 334137.3/27

All: 1522.728+/-0.186 χ^2/NDF: 739250.5/57

- sign 1522.386+/-0.262 χ^2/NDF: 405109.8/29

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 23.262+/-0.433 χ^2/NDF:112.3/11

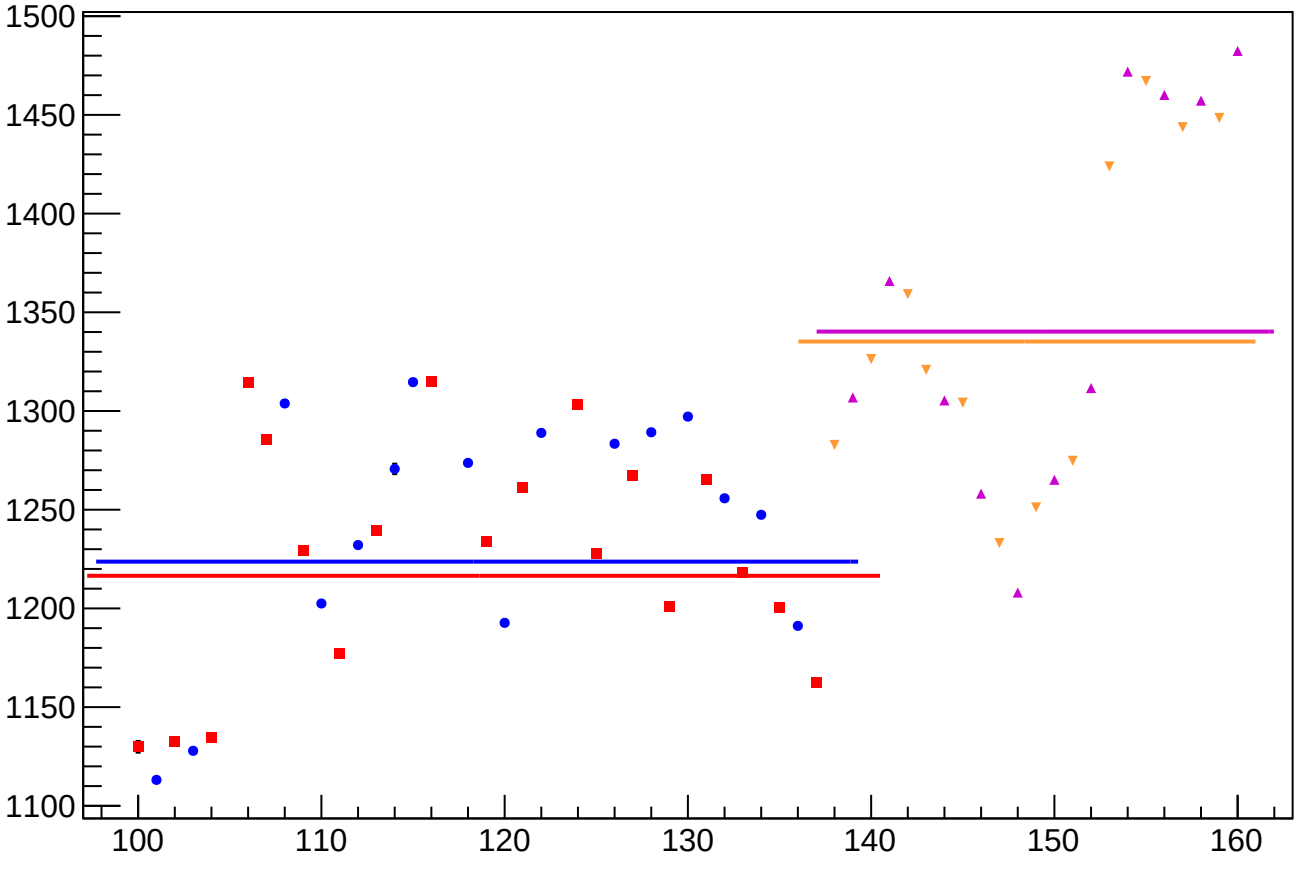
Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 7.526+/-0.435 χ^2/NDF:709.4/10

\+ sign 4.668+/-0.314 χ^2/NDF: 7470.4/27

All: 11.611+/-0.221 χ^2/NDF: 14114.5/57

\- 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: 1335.190+/-0.306 χ^2/NDF:66420.5/11

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

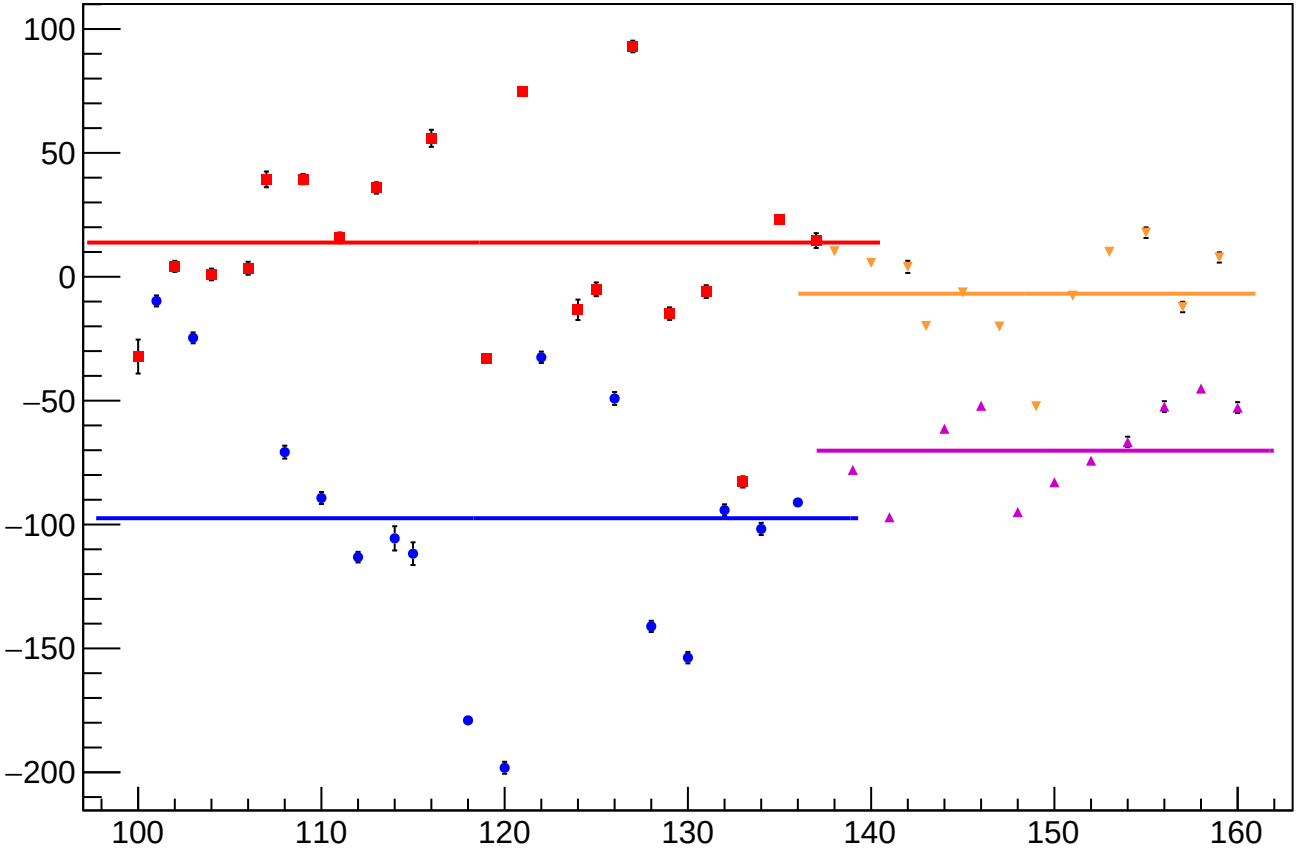
Left In: 1340.226+/-0.308 χ^2/NDF:89797.4/10

+ sign 1282.227+/-0.222 χ^2/NDF: 170271.5/27

All: 1280.950+/-0.156 χ^2/NDF: 368652.7/57

- 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: -6.832+/-0.554 χ^2/NDF:1168.0/11

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

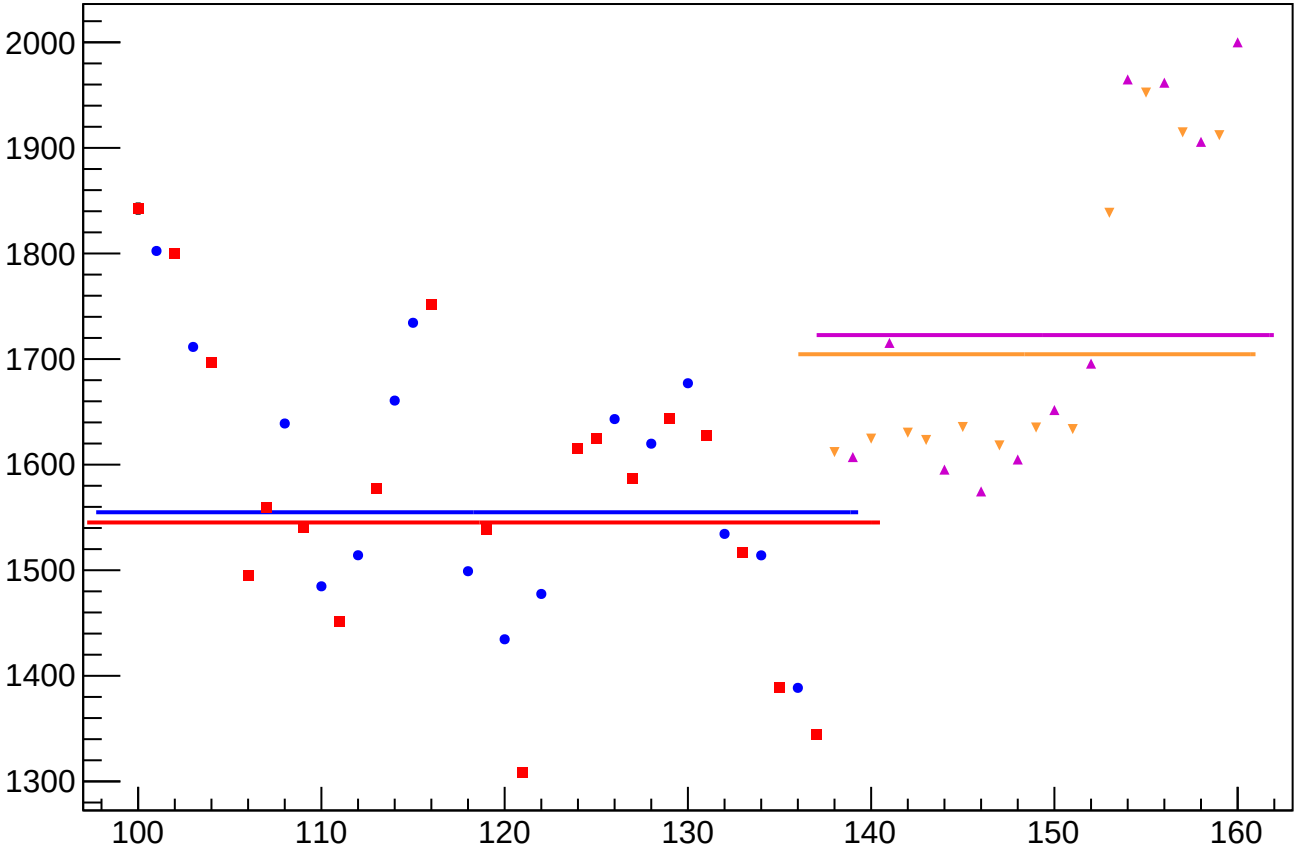
Left In: -70.189+/-0.560 χ^2/NDF:926.3/10

\+ sign -50.086+/-0.400 χ^2/NDF: 22254.7/27

All: -39.281+/-0.282 χ^2/NDF: 41117.4/57

\- 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: 1704.572+/-0.392 χ^2/NDF:104550.4/11

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

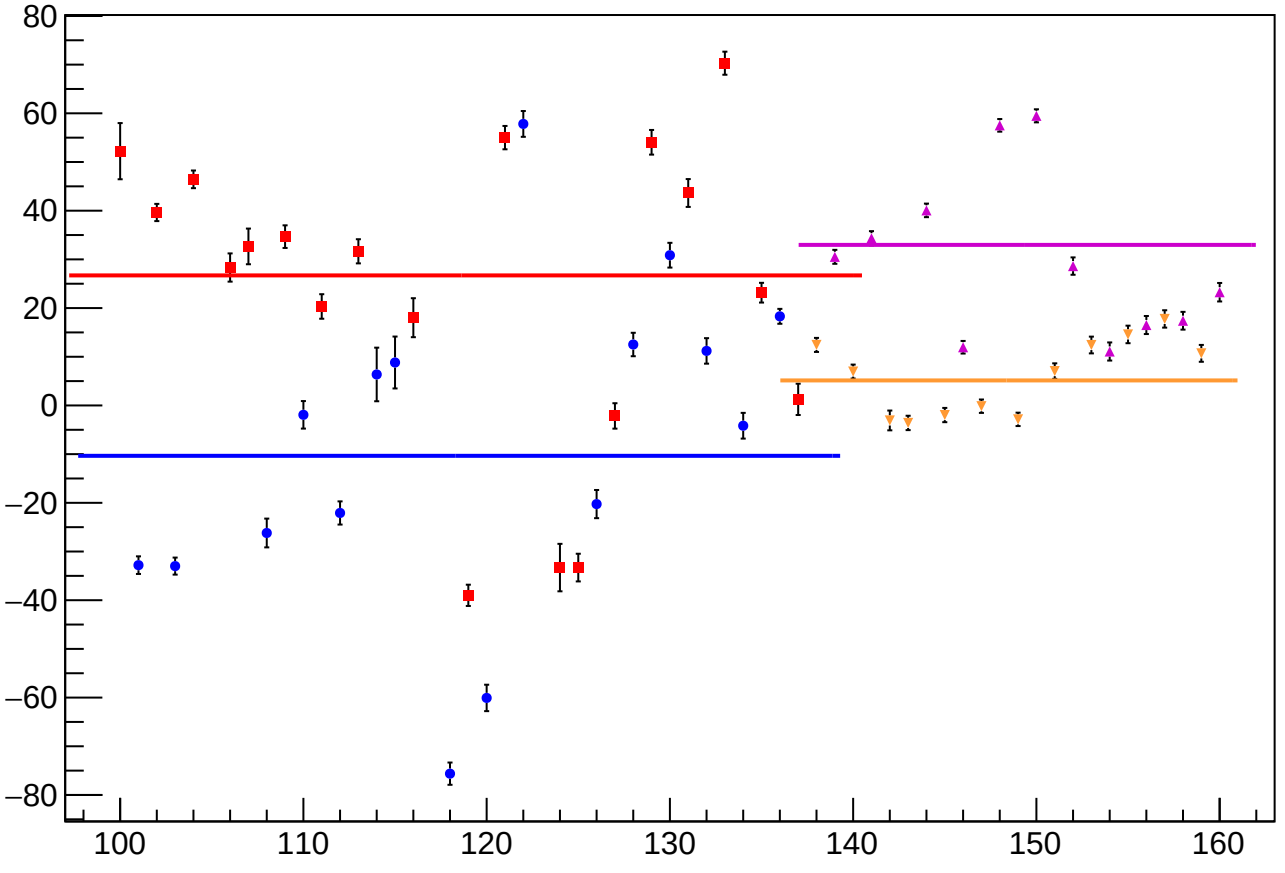
Left In: 1722.711+/-0.396 χ^2/NDF:148341.1/10

+ sign 1633.138+/-0.283 χ^2/NDF: 262217.5/27

All: 1633.999+/-0.200 χ^2/NDF: 618768.0/57

- sign 1634.849+/-0.281 χ^2/NDF: 356532.1/29

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 5.139+/-0.453 χ^2/NDF:257.9/11

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

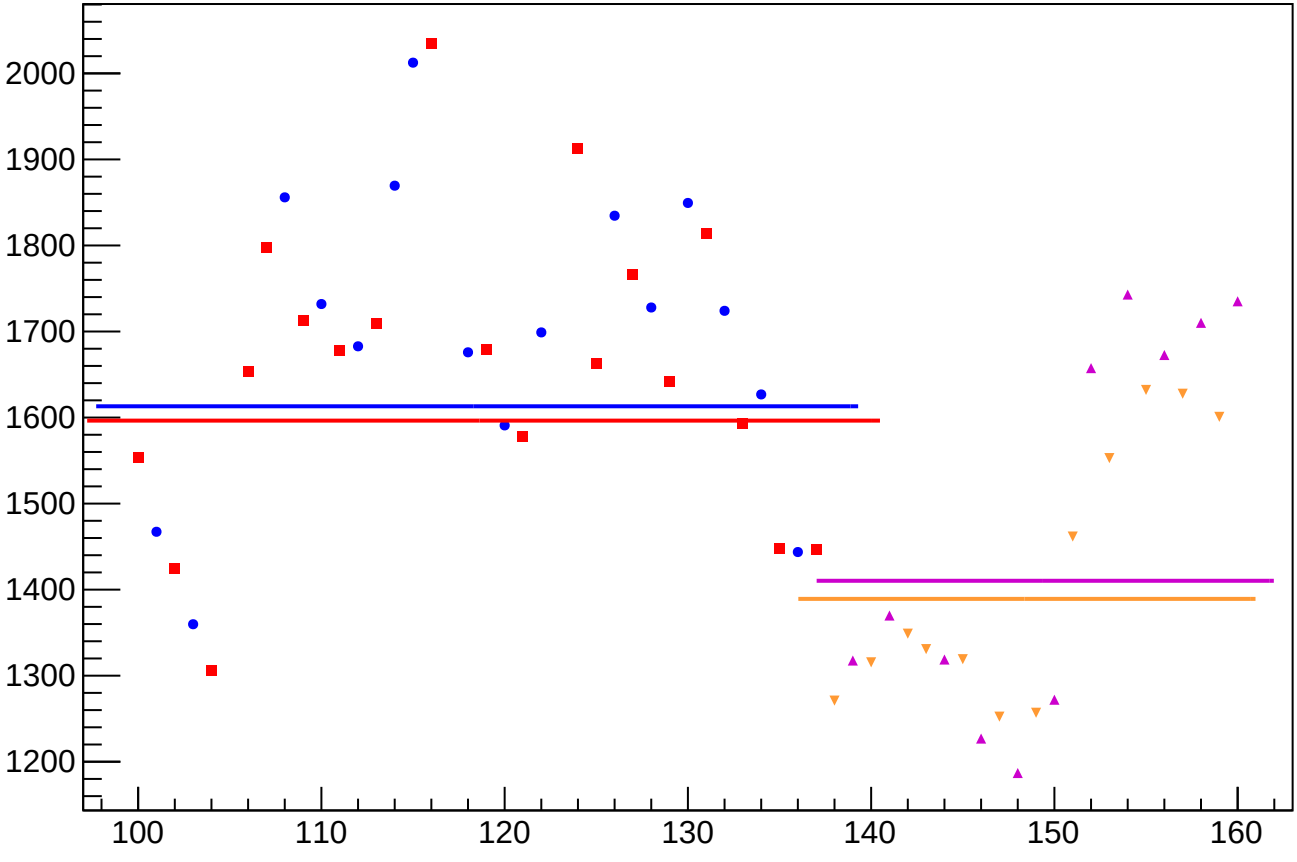
Left In: 32.976+/-0.462 χ^2/NDF:1364.0/10

+ sign -0.441+/-0.362 χ^2/NDF: 3686.5/27

All: 15.038+/-0.256 χ^2/NDF: 11323.9/57

- 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: 1389.256+/-0.320 χ^2/NDF:189673.1/11

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

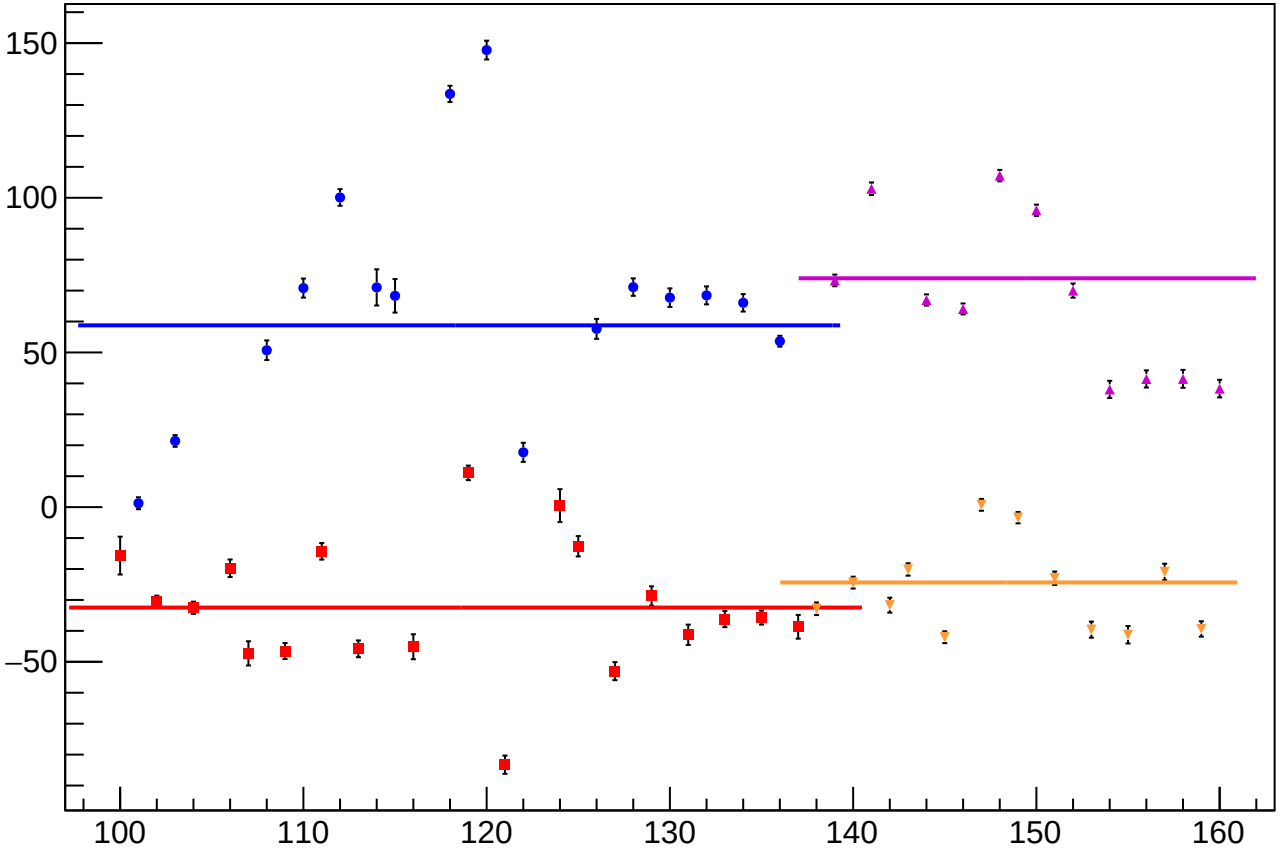
Left In: 1410.290+/-0.327 χ^2/NDF:394176.1/10

+ sign 1469.925+/-0.256 χ^2/NDF: 520573.8/27

All: 1475.726+/-0.181 χ^2/NDF: 1200906.2/57

- 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: -24.354+/-0.624 χ^2/NDF:527.4/11

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

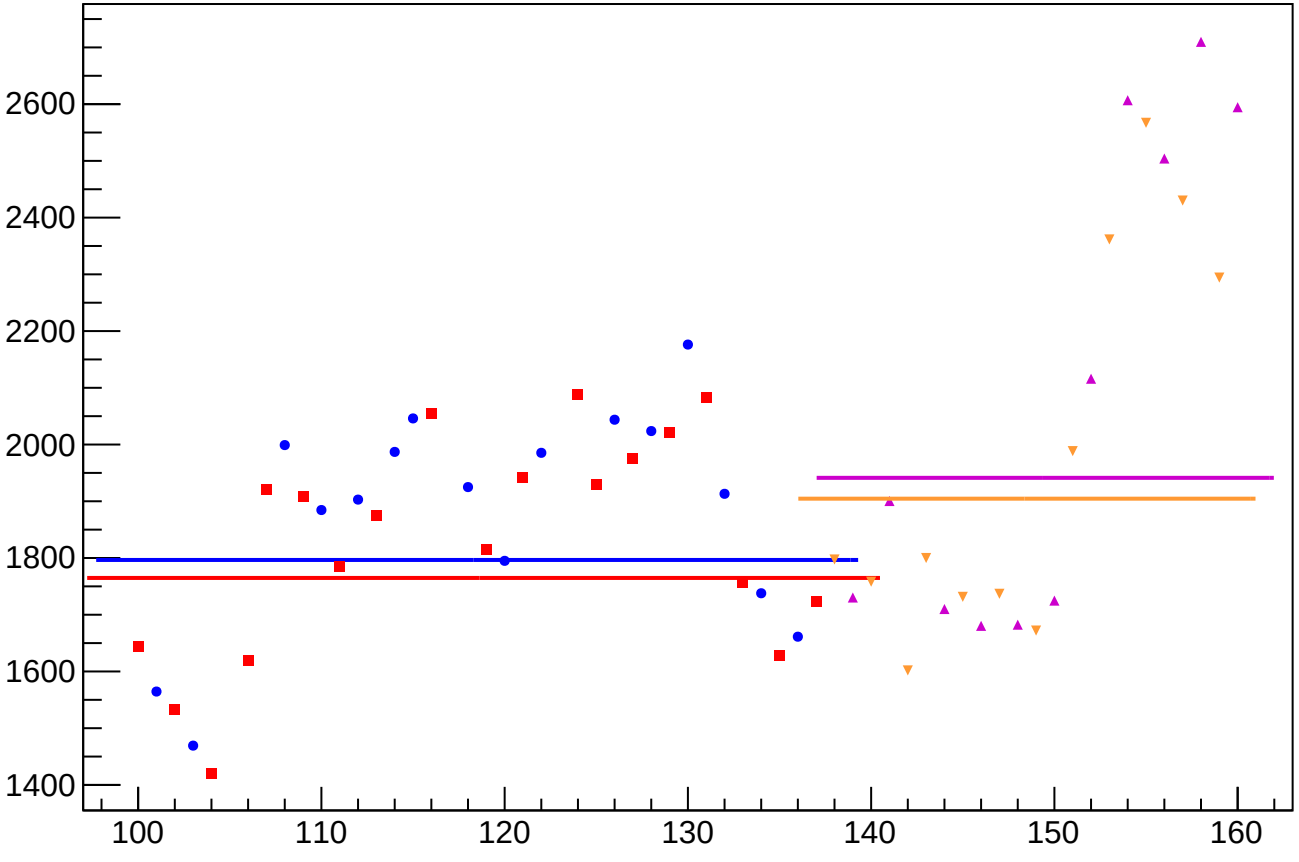
Left In: 73.978+/-0.640 χ^2/NDF:1311.1/10

\+ sign 14.129+/-0.458 χ^2/NDF: 12174.3/27

All: 17.796+/-0.323 χ^2/NDF: 28188.6/57

\- sign 21.431+/-0.456 χ^2/NDF: 15886.4/29

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1904.587+/-0.442 χ^2/NDF:419752.2/11

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

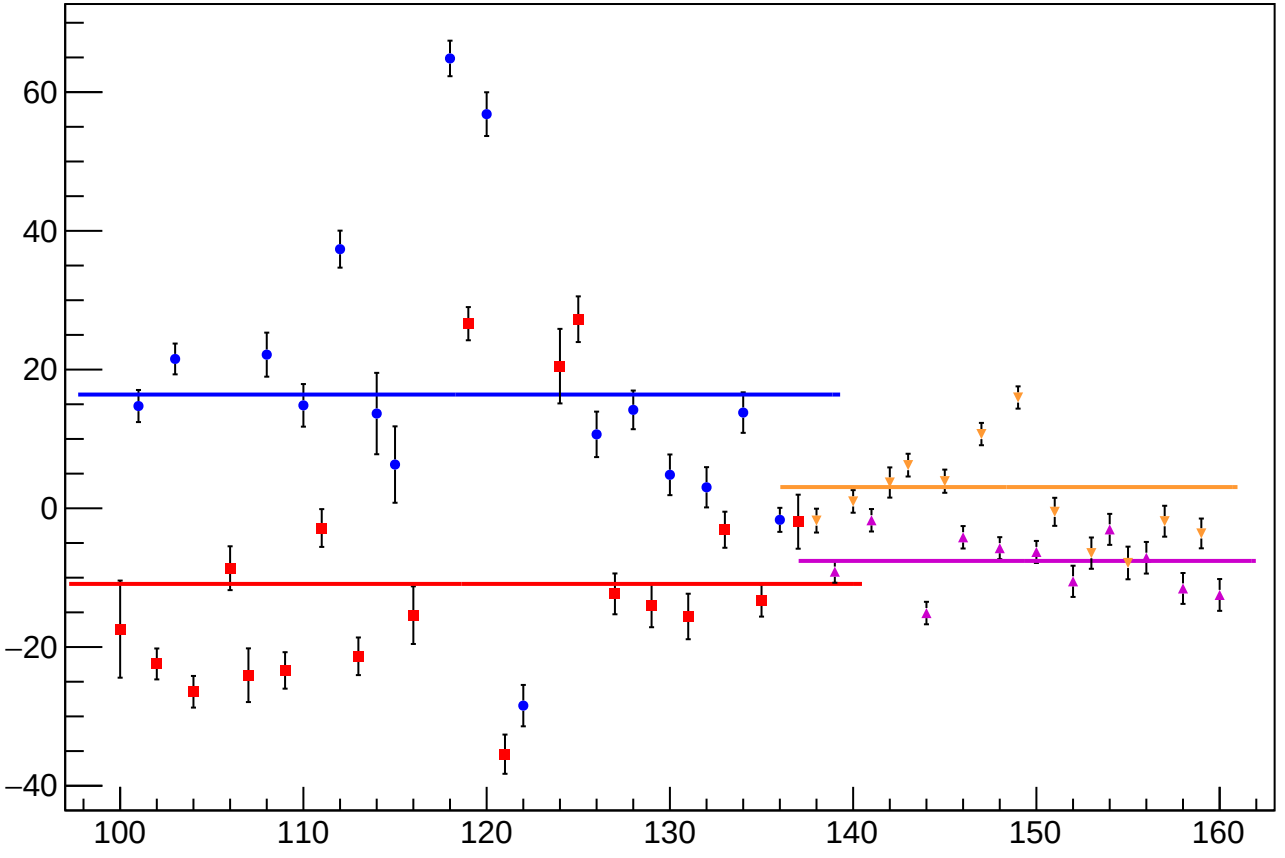
Left In: 1941.313+/-0.453 χ^2/NDF:624487.7/10

+ sign 1854.567+/-0.324 χ^2/NDF: 640643.3/27

All: 1854.386+/-0.228 χ^2/NDF: 1530108.1/57

- 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: 3.062+/-0.537 χ^2/NDF:158.0/11

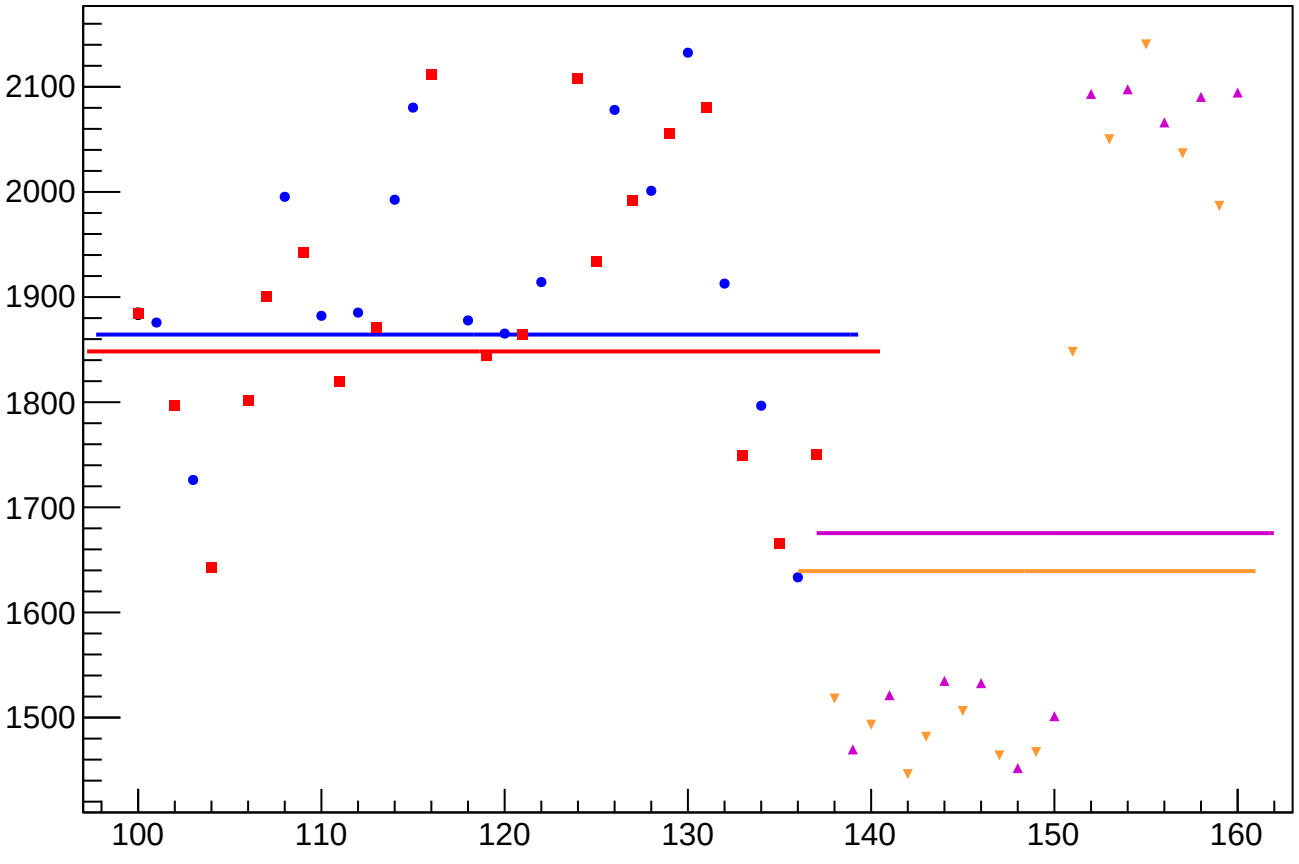
Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: -7.583+/-0.549 χ^2/NDF:55.6/10

+ sign 8.047+/-0.425 χ^2/NDF: 1361.6/27

All: -0.397+/-0.301 χ^2/NDF: 2866.3/57

- 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: 1639.330+/-0.380 χ^2/NDF:413852.5/11

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

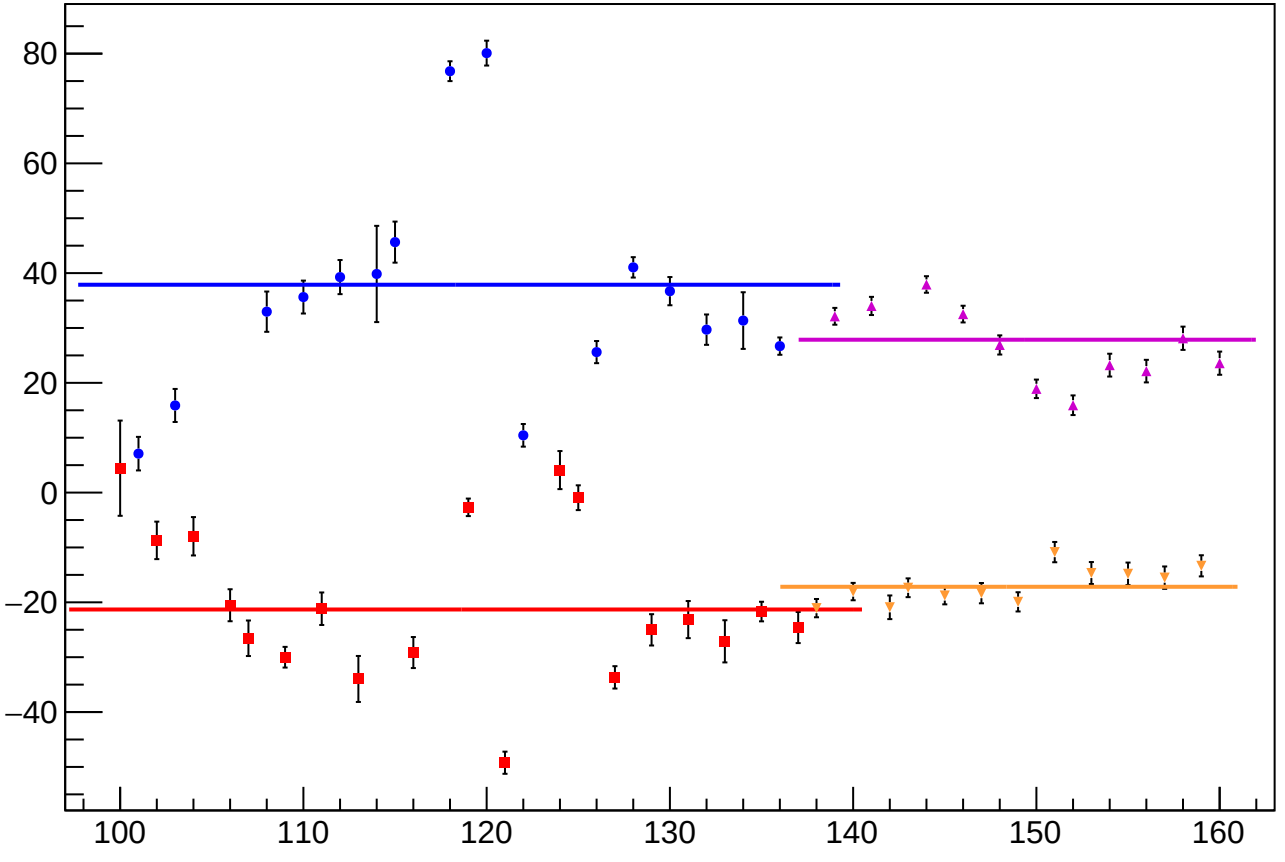
Left In: 1675.454+/-0.388 χ^2/NDF:481118.6/10

+ sign 1723.423+/-0.300 χ^2/NDF: 628454.9/27

All: 1733.755+/-0.213 χ^2/NDF: 1265604.7/57

- 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: -17.168+/-0.526 χ^2/NDF:31.8/11

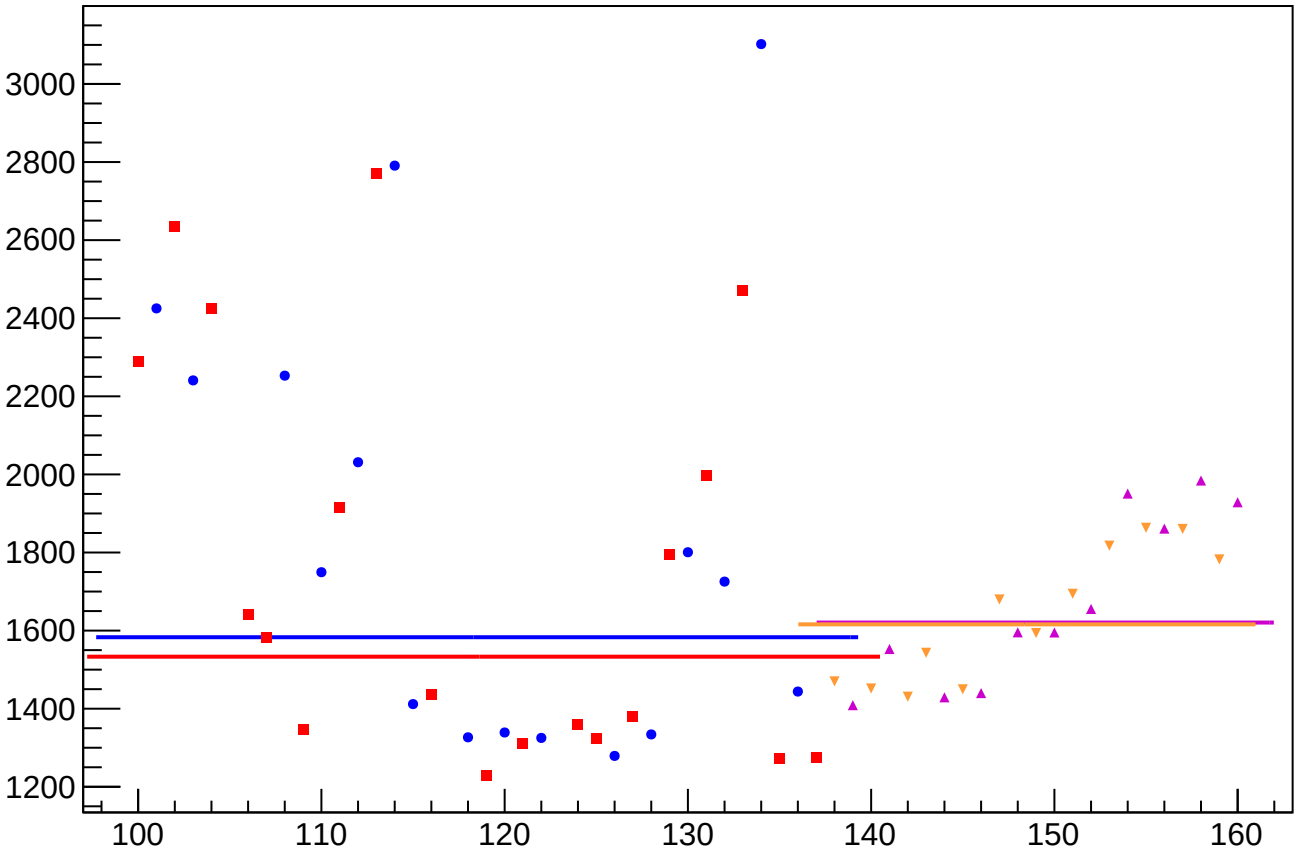
Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: 27.860+/-0.530 χ^2/NDF:165.3/10

\+ sign 5.791+/-0.402 χ^2/NDF: 5842.1/27

All: 5.920+/-0.282 χ^2/NDF: 10415.2/57

\- sign 6.045+/-0.395 χ^2/NDF: 4572.9/29



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1616.000+/-0.372 χ^2/NDF:175916.6/11

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

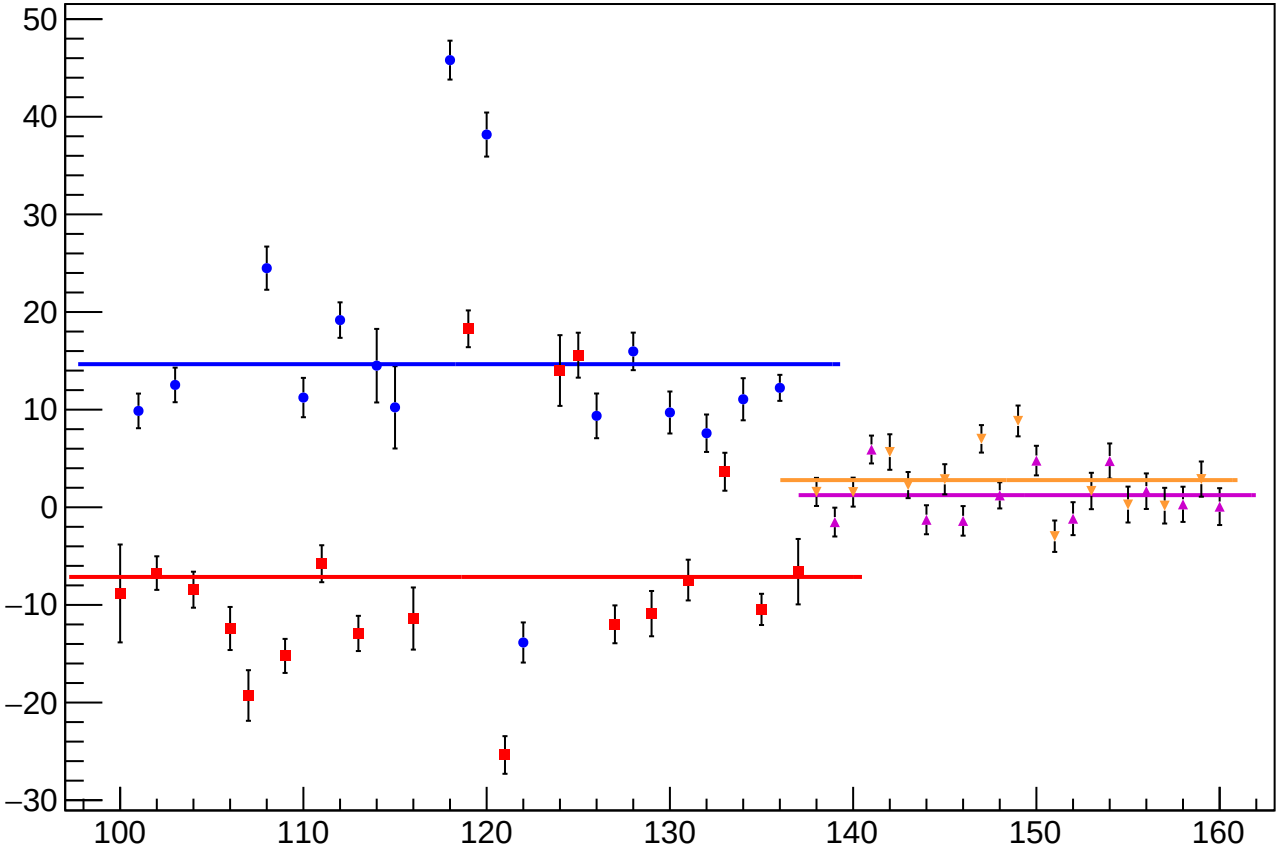
Left In: 1620.623+/-0.374 χ^2/NDF:282694.1/10

+ sign 1602.257+/-0.284 χ^2/NDF: 966856.8/27

All: 1591.865+/-0.199 χ^2/NDF: 2227149.5/57

- 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: 2.784+/-0.461 χ^2/NDF:44.8/11

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

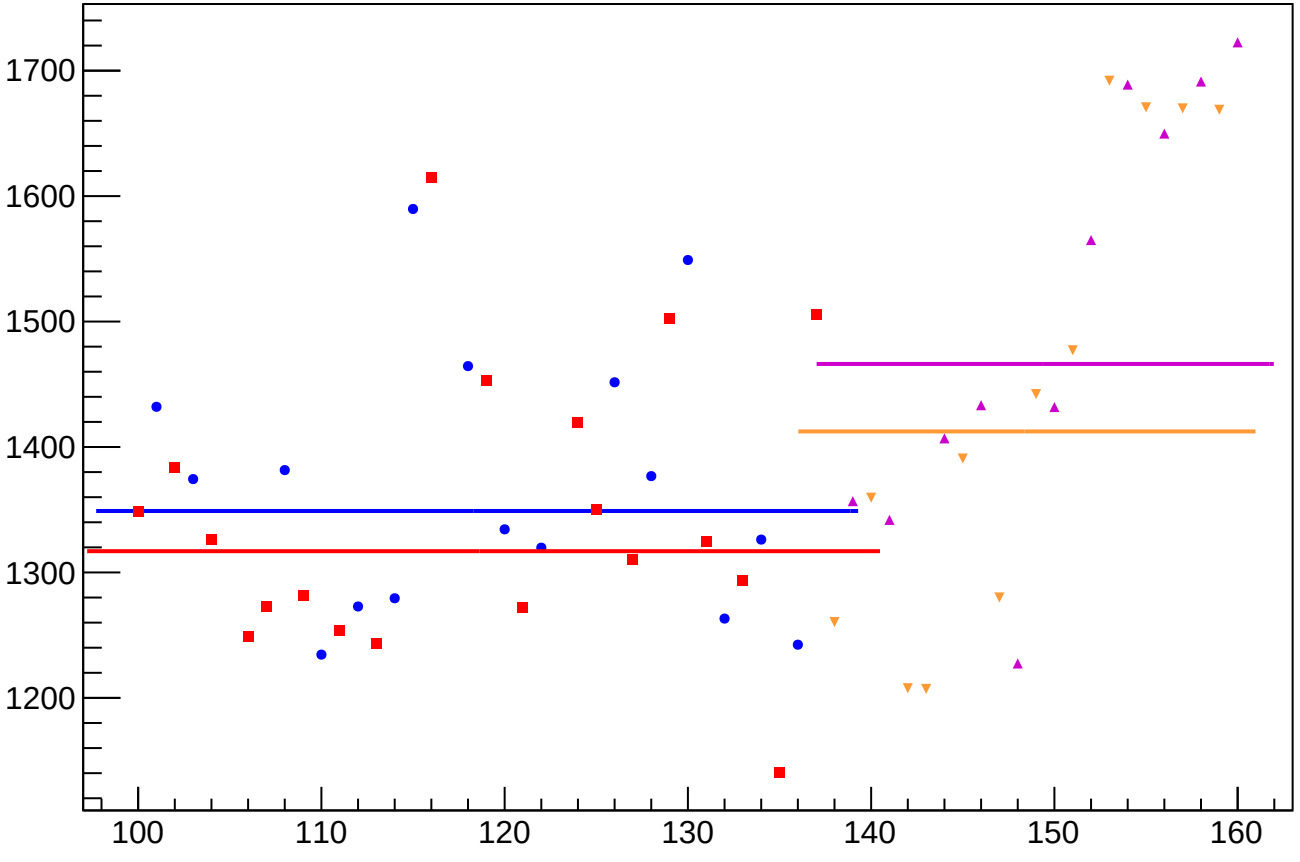
Left In: 1.244+/-0.478 χ^2/NDF:32.1/10

+ sign 8.190+/-0.340 χ^2/NDF: 961.3/27

All: 2.635+/-0.240 χ^2/NDF: 2186.5/57

- 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: 1412.403+/-0.326 χ^2/NDF:283906.8/11

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

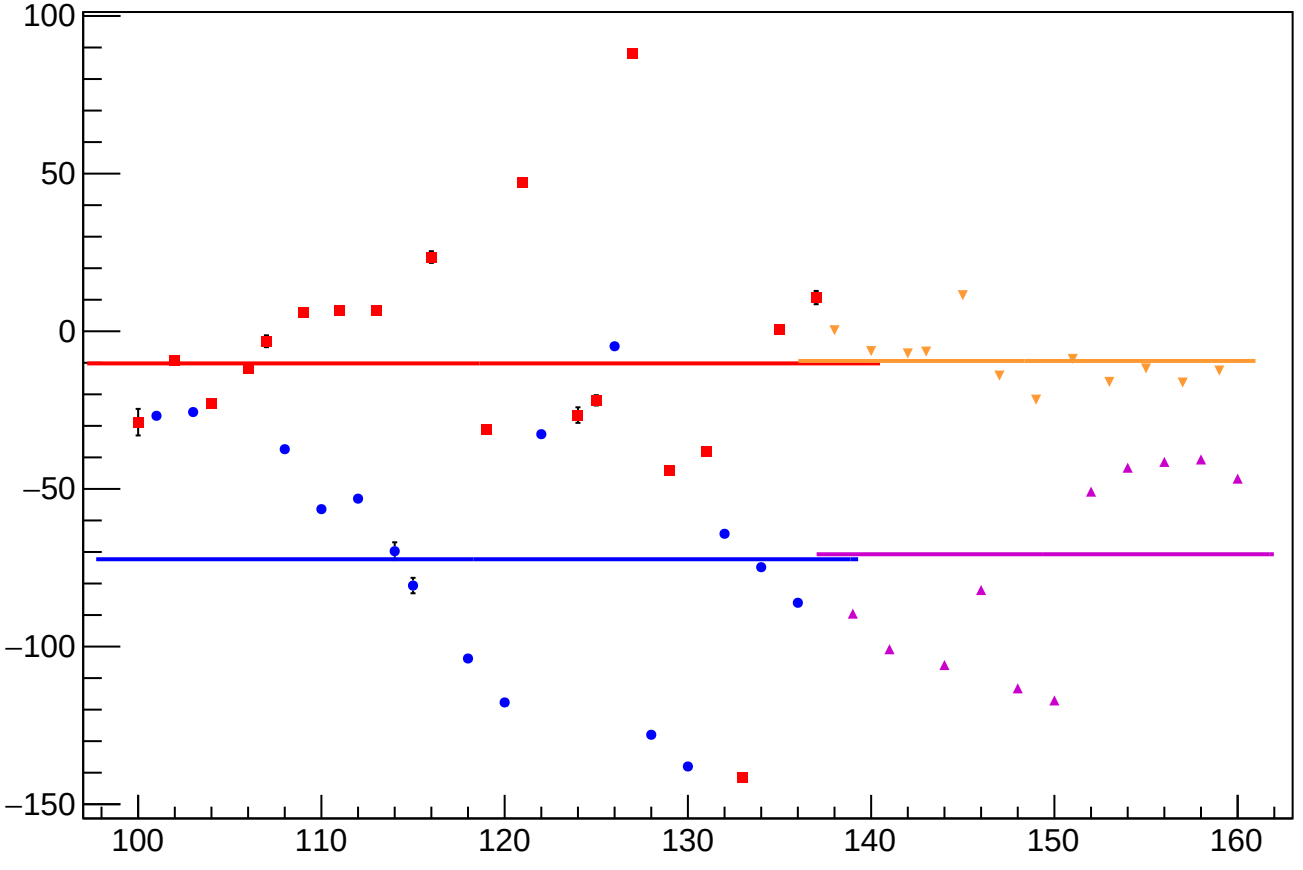
Left In: 1466.199+/-0.338 χ^2/NDF:220668.8/10

+ sign 1383.535+/-0.241 χ^2/NDF: 369496.5/27

All: 1387.987+/-0.170 χ^2/NDF: 774197.7/57

- 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: -9.408+/-0.283 χ^2/NDF:780.7/11

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

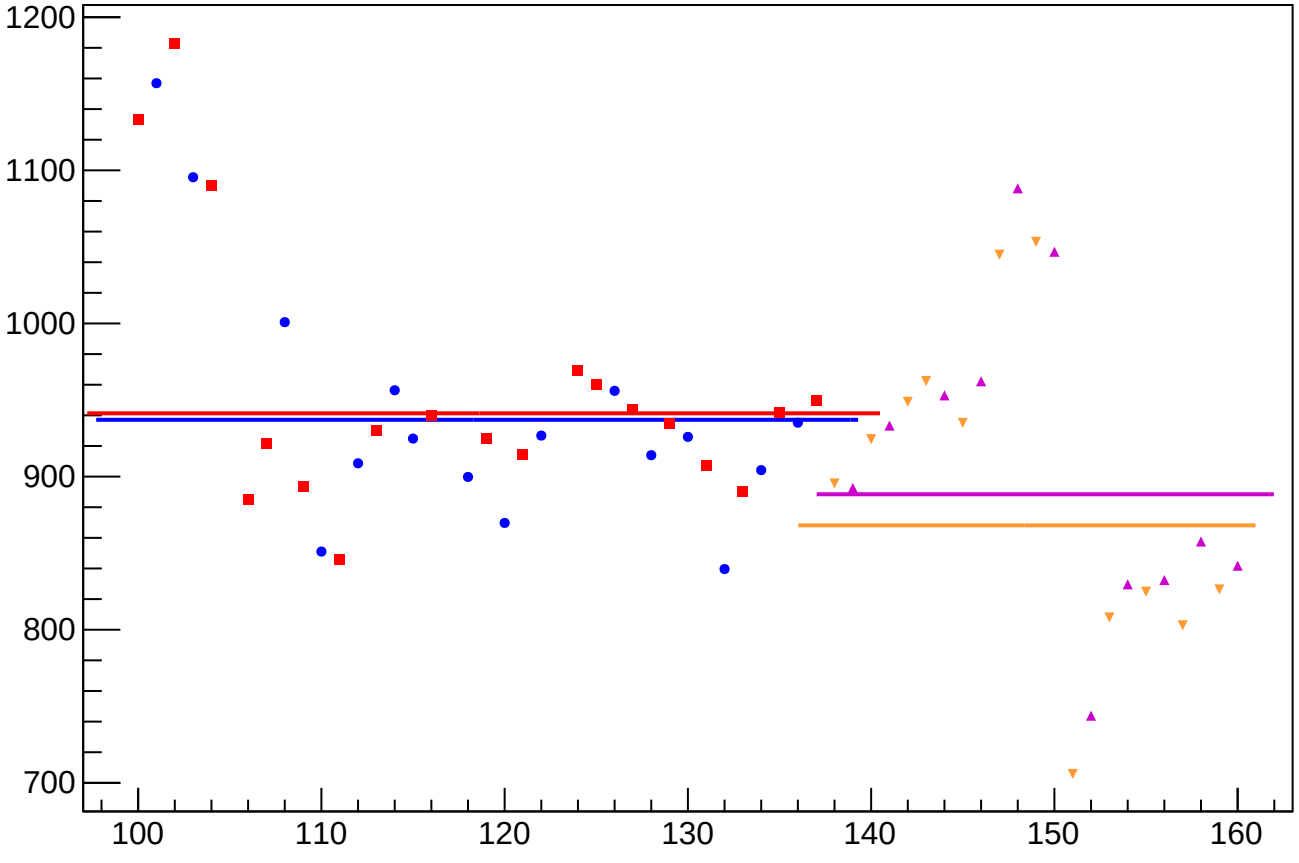
Left In: -70.719+/-0.289 χ^2/NDF:10030.1/10

\+ sign -34.332+/-0.220 χ^2/NDF: 32491.4/27

All: -39.970+/-0.156 χ^2/NDF: 80991.7/57

\- 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: 868.150+/-0.200 χ^2/NDF:255413.7/11

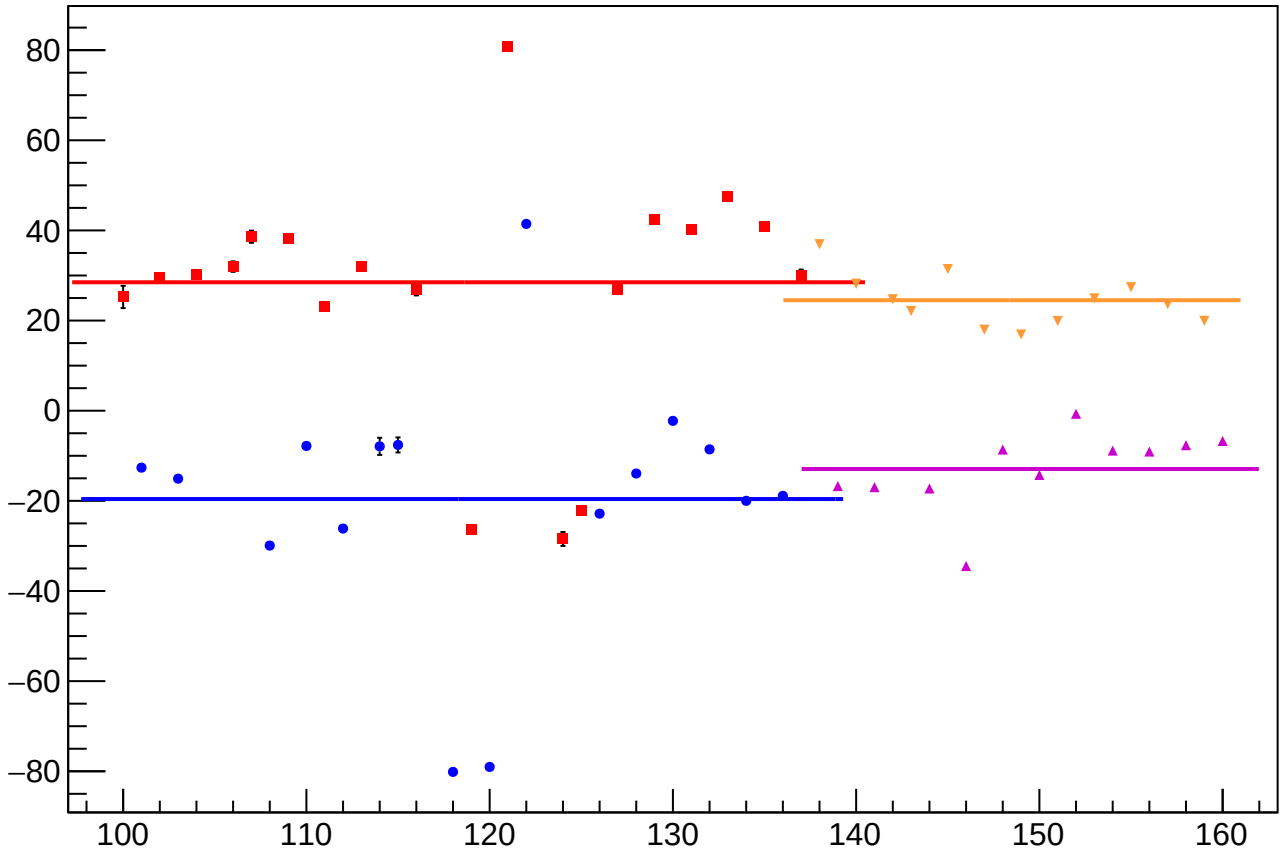
Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 888.451+/-0.205 χ^2/NDF:209211.4/10

\+ sign 895.472+/-0.156 χ^2/NDF: 407075.9/27

All: 902.841+/-0.110 χ^2/NDF: 749460.5/57

\- 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: 24.518+/-0.214 χ^2/NDF:710.6/11

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

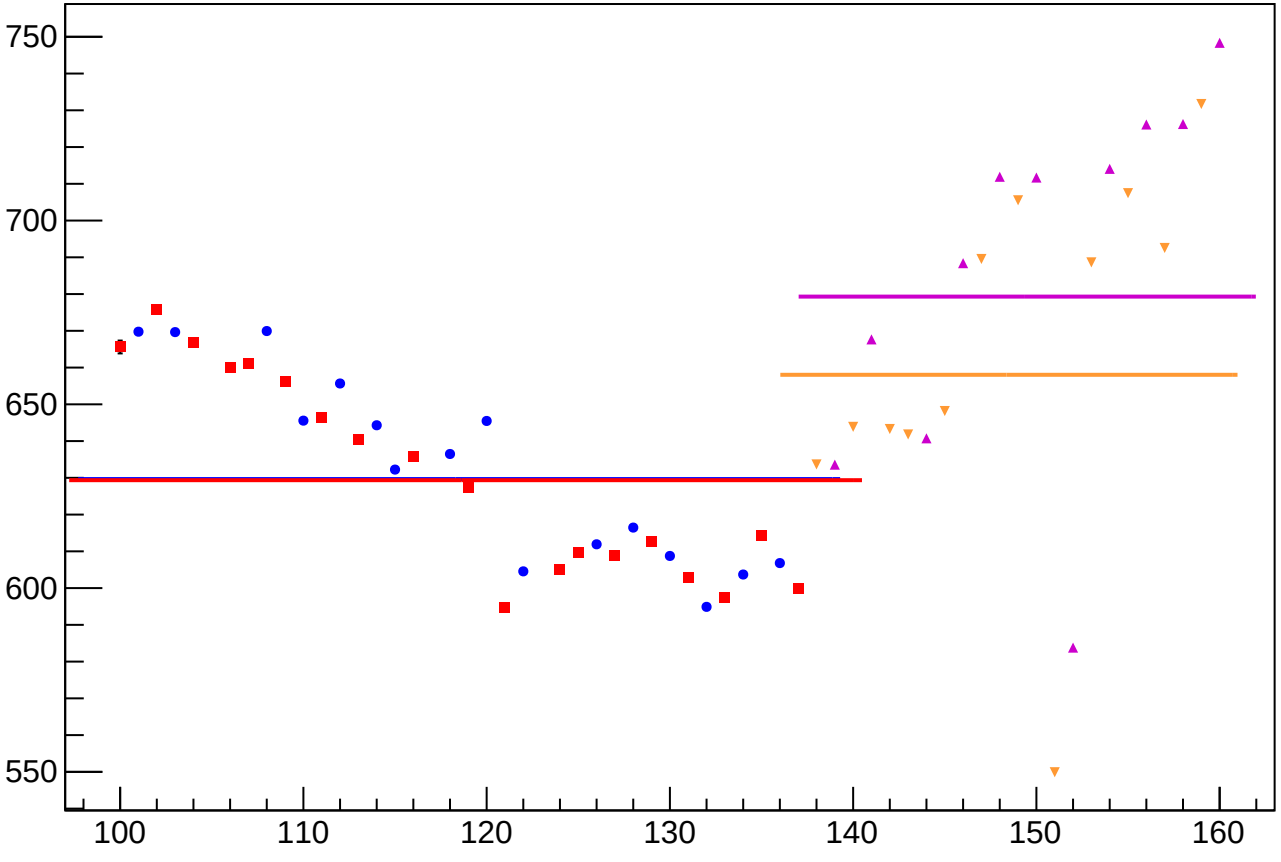
Left In: -12.935+/-0.221 χ^2/NDF:1548.1/10

+ sign 4.439+/-0.158 χ^2/NDF: 33236.5/27

All: 5.690+/-0.112 χ^2/NDF: 64795.9/57

- sign 6.961+/-0.159 χ^2/NDF: 31432.8/29

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 658.034+/-0.151 χ^2/NDF:114056.3/11

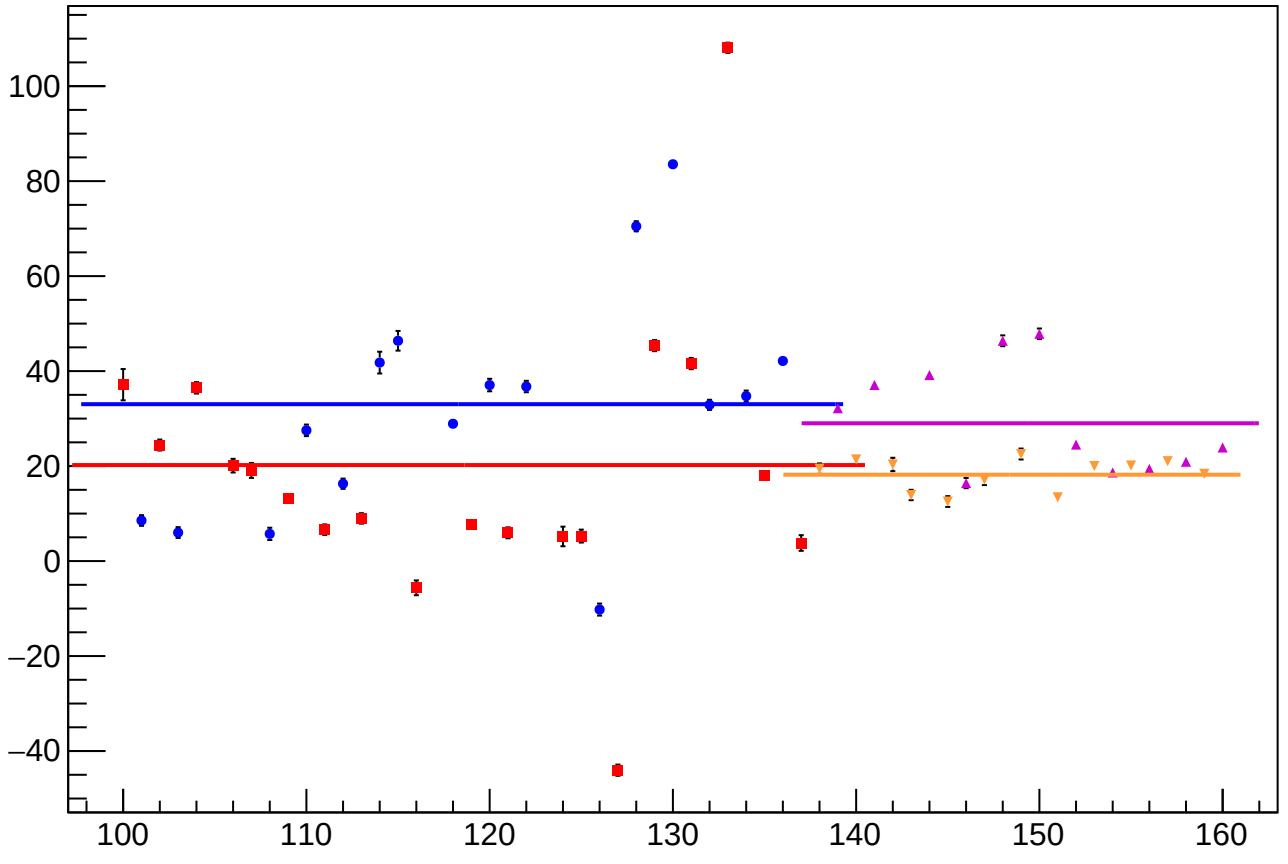
Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 679.310+/-0.156 χ^2/NDF:101238.6/10

+ sign 645.120+/-0.112 χ^2/NDF: 155386.2/27

All: 650.181+/-0.079 χ^2/NDF: 336725.1/57

- sign 655.323+/-0.113 χ^2/NDF: 177196.3/29



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 18.181+/-0.308 χ^2/NDF:112.8/11

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

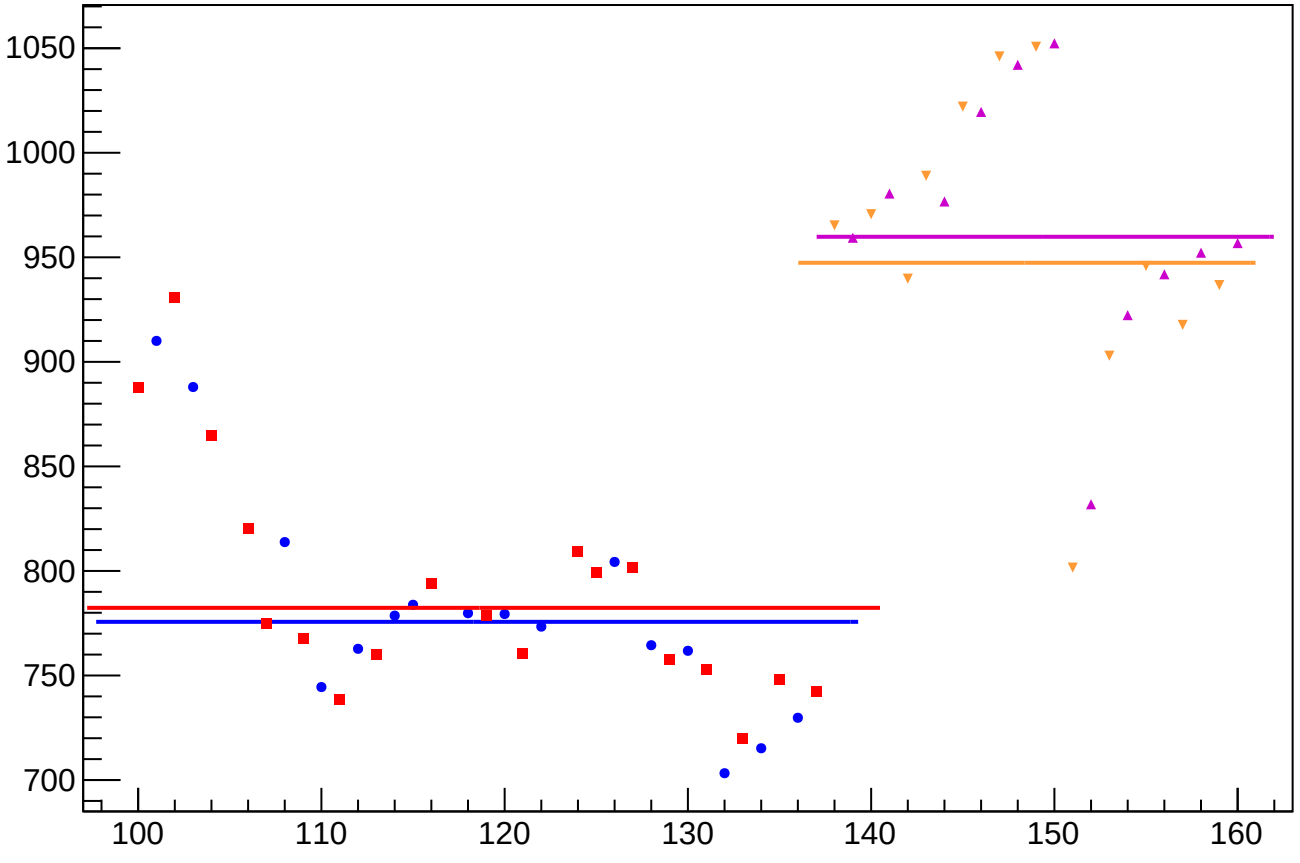
Left In: 29.012+/-0.311 χ^2/NDF:1131.9/10

\+ sign 26.074+/-0.211 χ^2/NDF: 8051.3/27

All: 25.156+/-0.149 χ^2/NDF: 21523.7/57

\- 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: 947.388+/-0.218 χ^2/NDF:105775.3/11

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

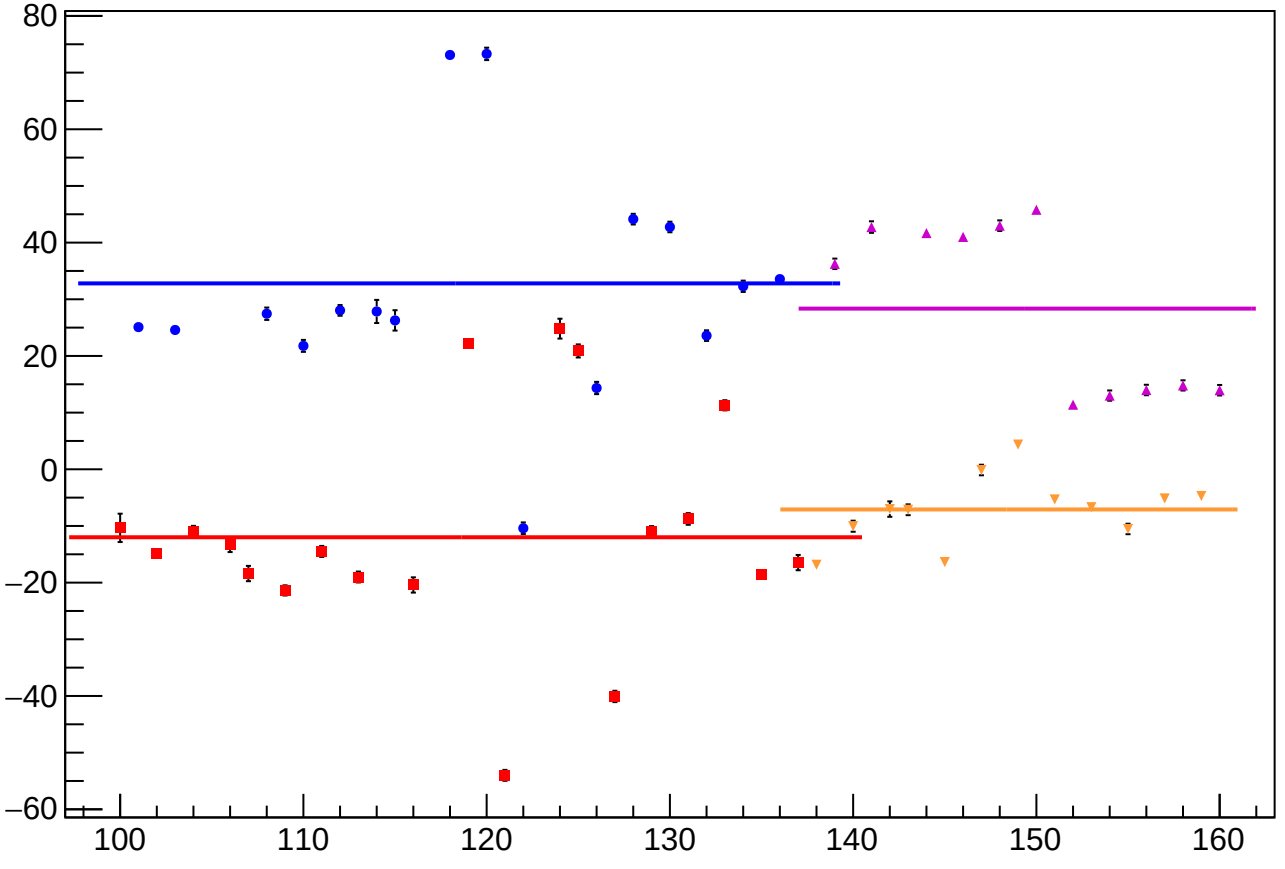
Left In: 959.821+/-0.220 χ^2/NDF:76155.9/10

+ sign 856.133+/-0.149 χ^2/NDF: 511547.4/27

All: 859.831+/-0.105 χ^2/NDF: 1005821.8/57

- sign 863.530+/-0.149 χ^2/NDF: 493041.2/29

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.087+/-0.259 χ^2/NDF:499.6/11

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

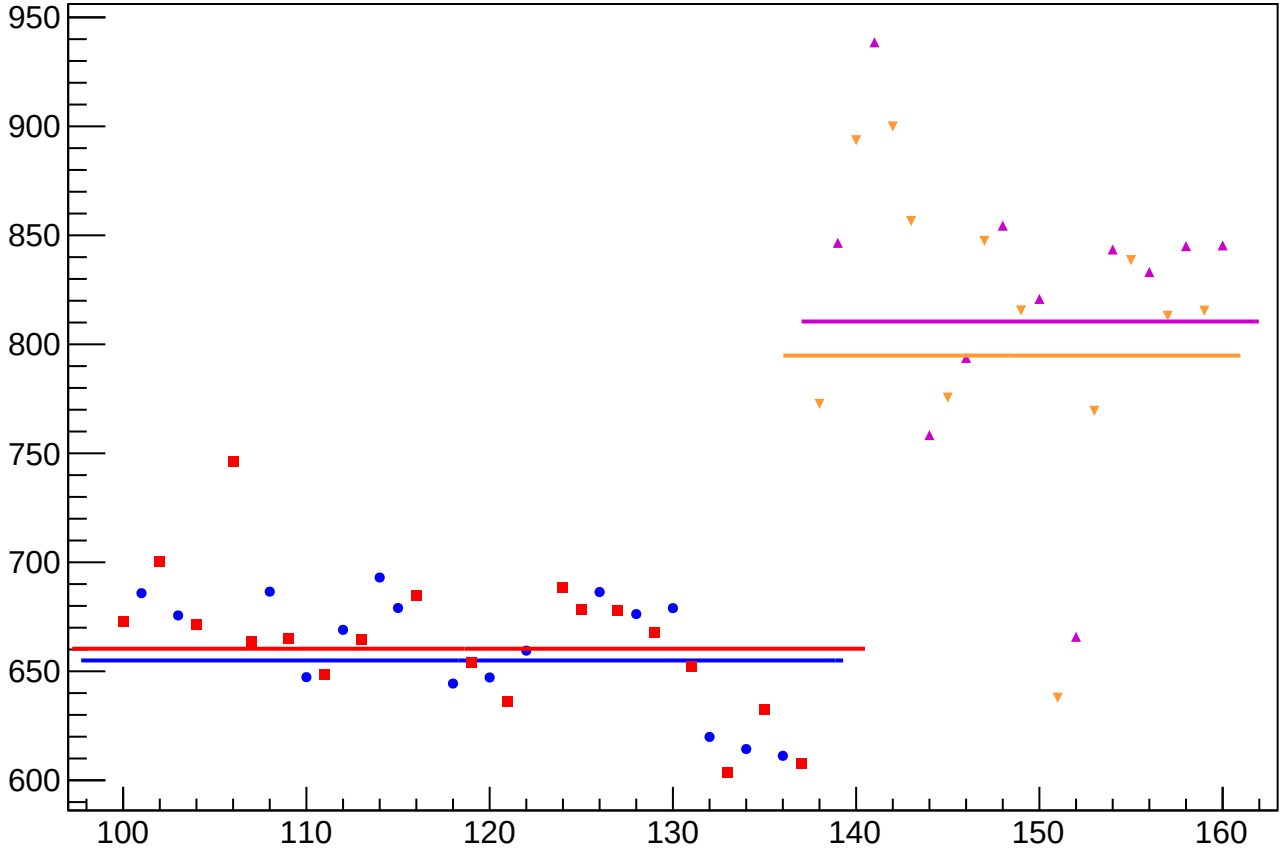
Left In: 28.354+/-0.264 χ^2/NDF:2975.0/10

+ sign 14.097+/-0.177 χ^2/NDF: 19342.6/27

All: 10.225+/-0.126 χ^2/NDF: 42542.8/57

- 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: 794.851+/-0.183 χ^2/NDF:160980.8/11

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

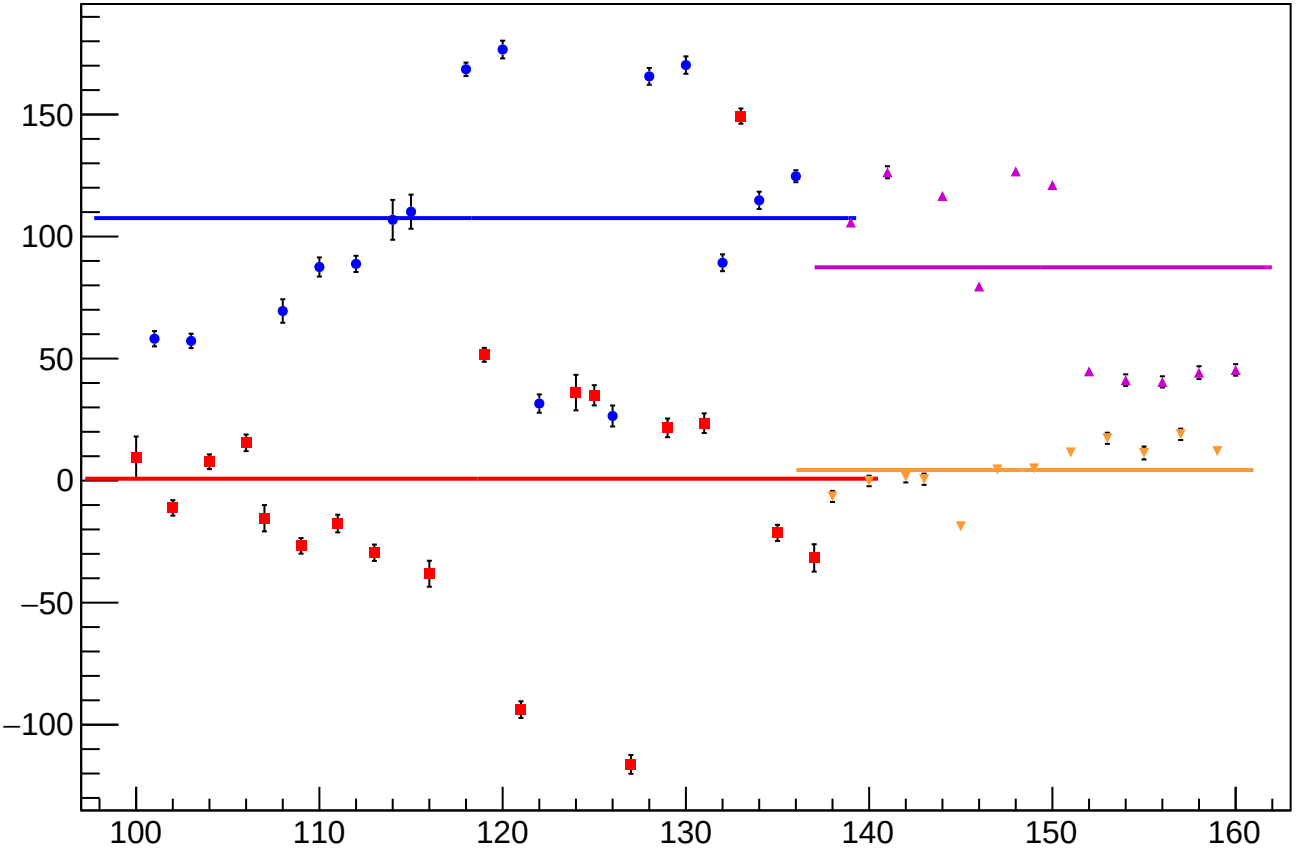
Left In: 810.473+/-0.187 χ^2/NDF:138447.9/10

+ sign 720.567+/-0.125 χ^2/NDF: 497192.1/27

All: 724.515+/-0.089 χ^2/NDF: 1019914.0/57

- 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: 4.352+/-0.604 χ^2/NDF:276.6/11

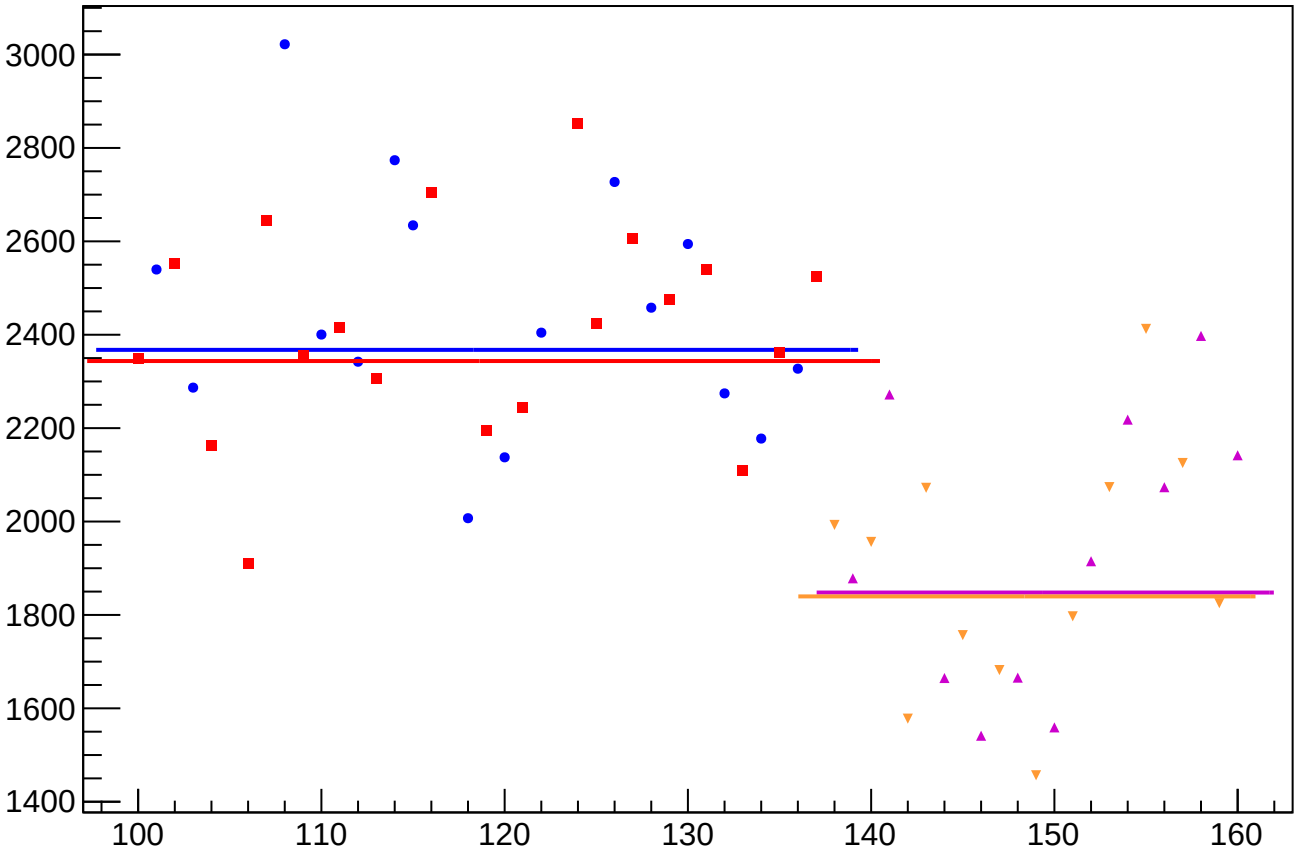
Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: 87.385+/-0.611 χ^2/NDF:3301.8/10

+ sign 37.099+/-0.499 χ^2/NDF: 12507.6/27

All: 47.762+/-0.352 χ^2/NDF: 28218.7/57

- sign 58.397+/-0.498 χ^2/NDF: 14798.0/29



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1839.668+/-0.427 χ^2/NDF:337634.3/11

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

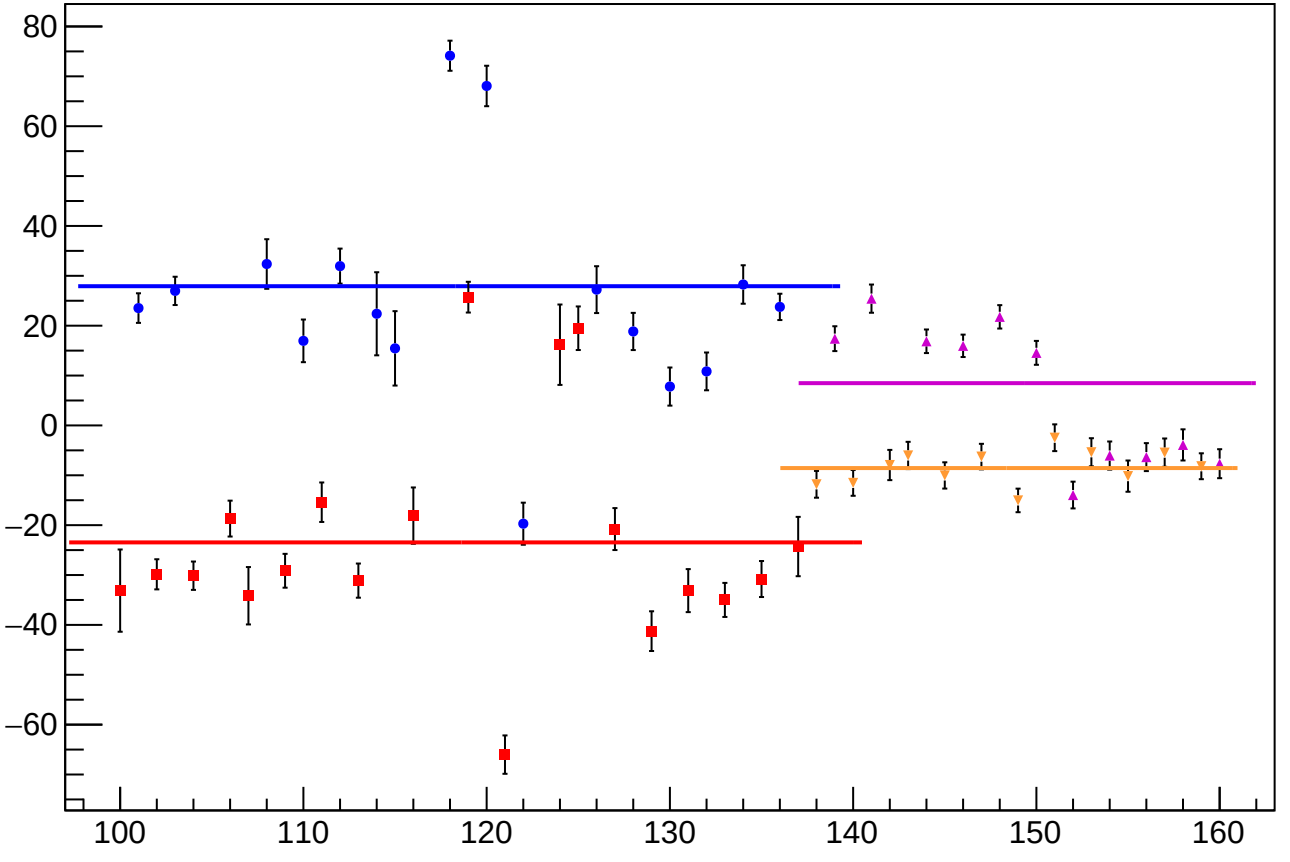
Left In: 1847.957+/-0.432 χ^2/NDF:421135.9/10

+ sign 2007.207+/-0.353 χ^2/NDF: 949947.3/27

All: 2010.561+/-0.249 χ^2/NDF: 1924817.0/57

- 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: -8.551+/-0.780 χ^2/NDF:20.2/11

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

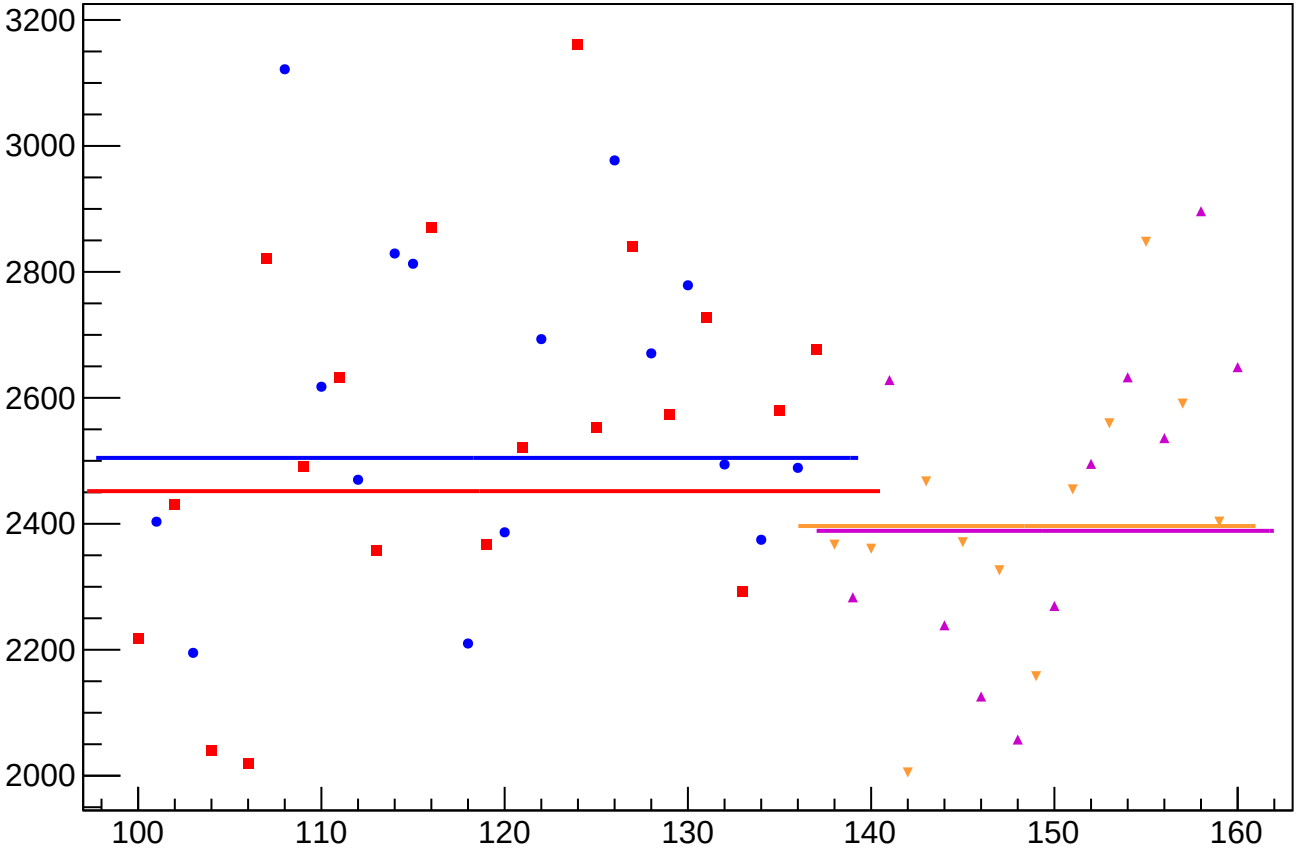
Left In: 8.476+/-0.783 χ^2/NDF:282.0/10

+ sign 6.370+/-0.599 χ^2/NDF: 1446.3/27

All: 0.493+/-0.421 χ^2/NDF: 3200.5/57

- 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: 2396.481+/-0.551 χ^2/NDF:115900.7/11

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

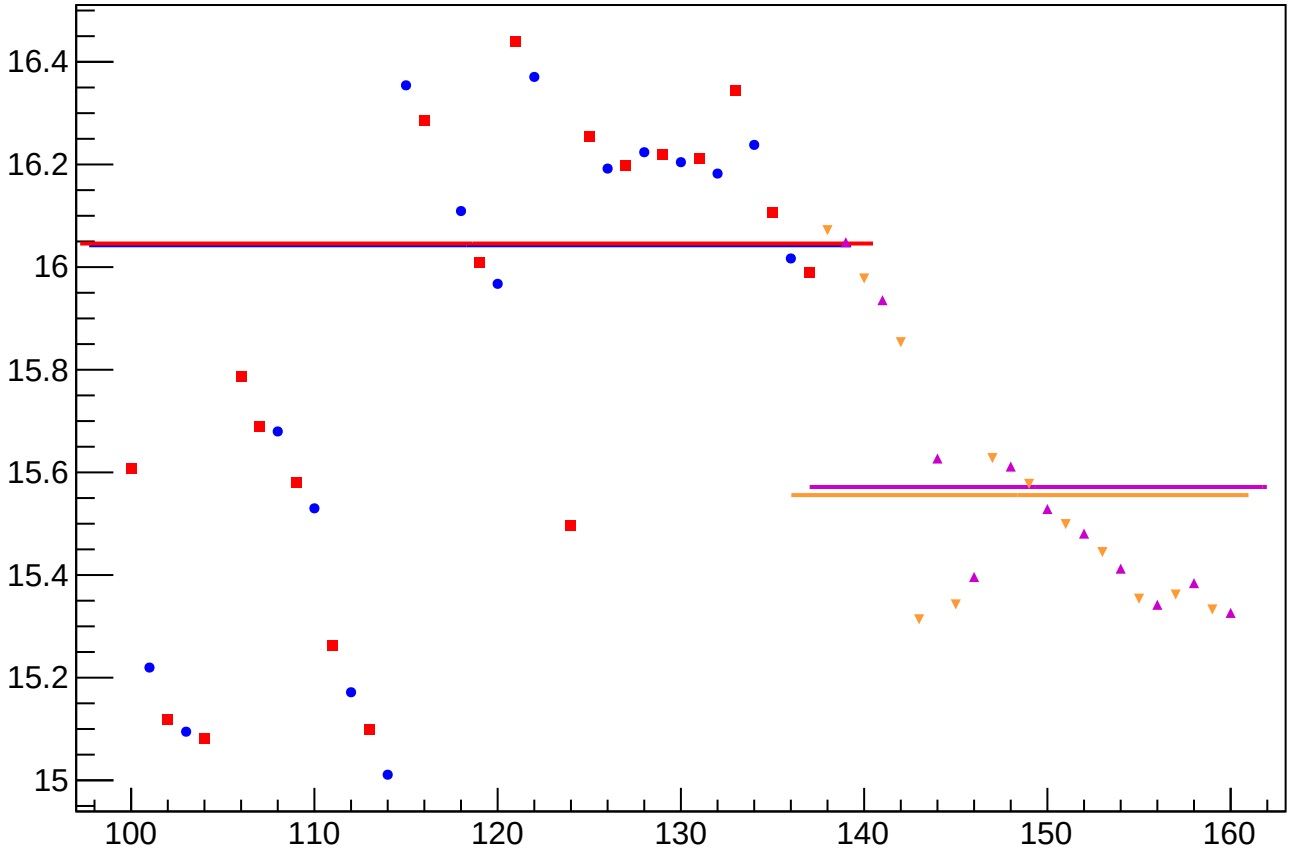
Left In: 2388.832+/-0.554 χ^2/NDF:190645.0/10

+ sign 2440.741+/-0.424 χ^2/NDF: 258256.9/27

All: 2428.156+/-0.298 χ^2/NDF: 609449.8/57

- sign 2415.897+/-0.418 χ^2/NDF: 349451.2/29

yield_sam1_mean vs Slug



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.556+/-0.000 χ^2/NDF:5684566101.4/11

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

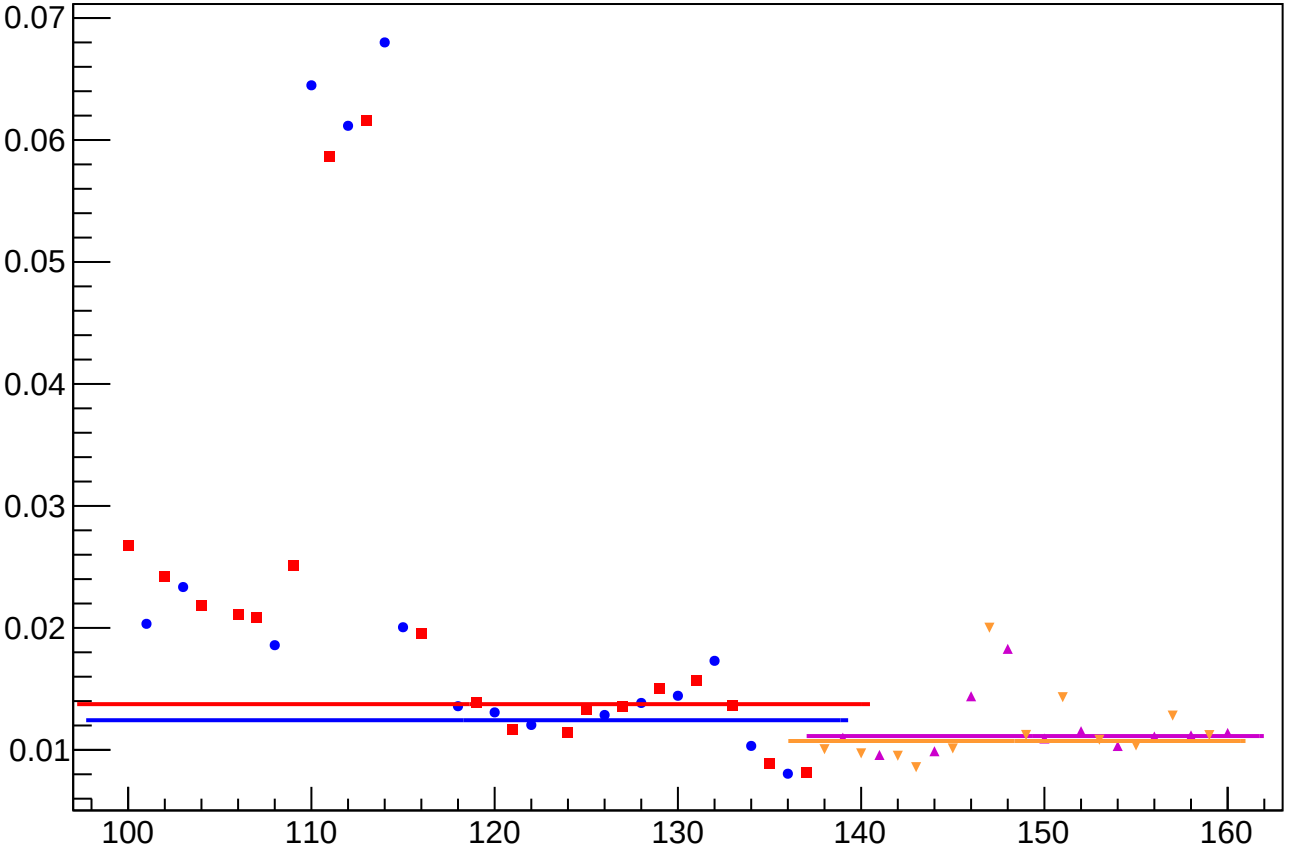
Left In: 15.572+/-0.000 χ^2/NDF:4073320426.1/10

+ sign 15.711+/-0.000 χ^2/NDF: 14265056878.9/27

All: 15.712+/-0.000 χ^2/NDF: 26653330872.8

- 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:630131.4/11

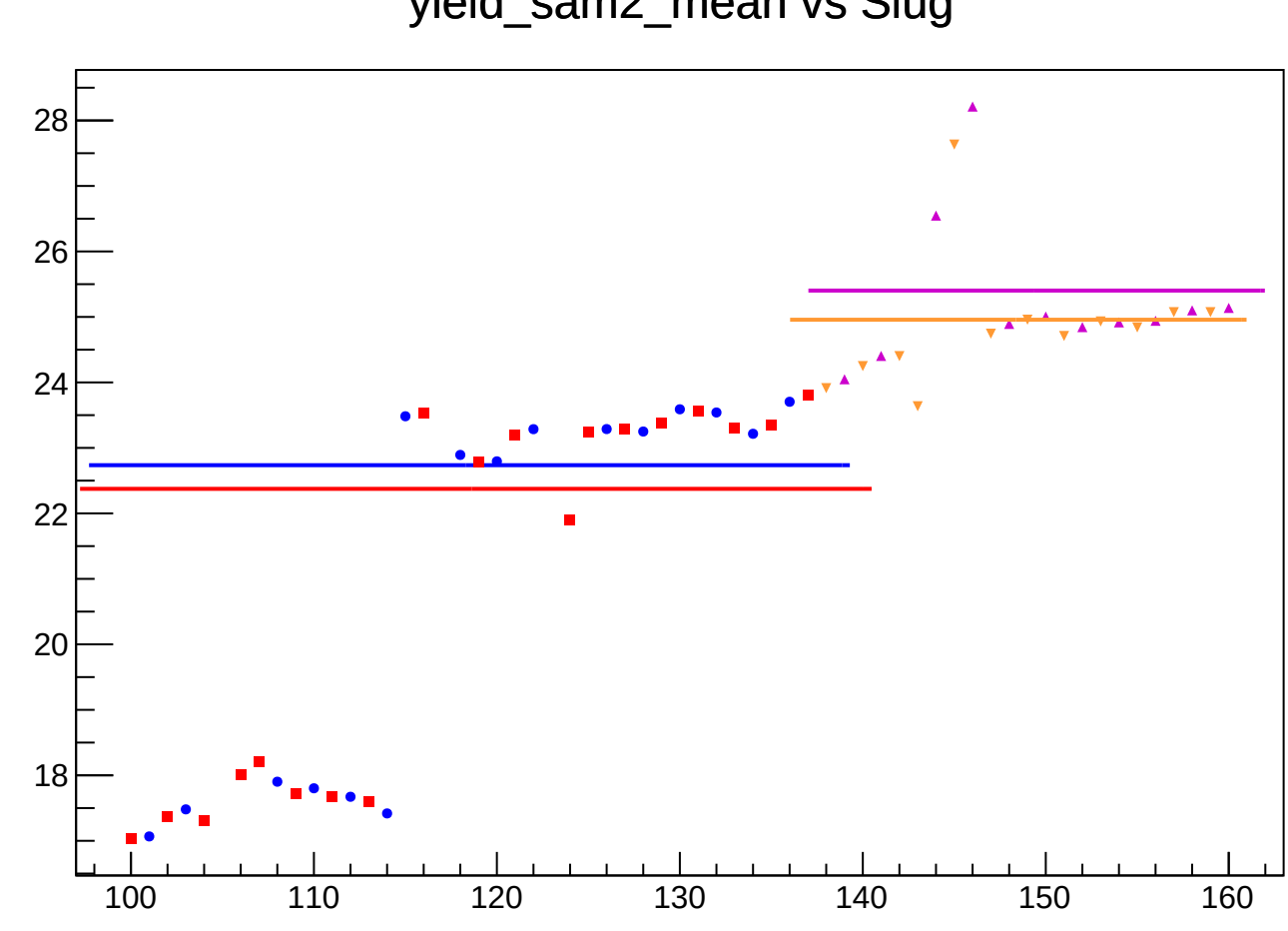
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:409059.4/10

+ sign 0.011+/-0.000 χ^2/NDF: 3087568.5/27

All: 0.012+/-0.000 χ^2/NDF: 6059880.8/57

- sign 0.012+/-0.000 χ^2/NDF: 2929310.1/29



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.957+/-0.000 χ^2/NDF:764440611.6/11

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

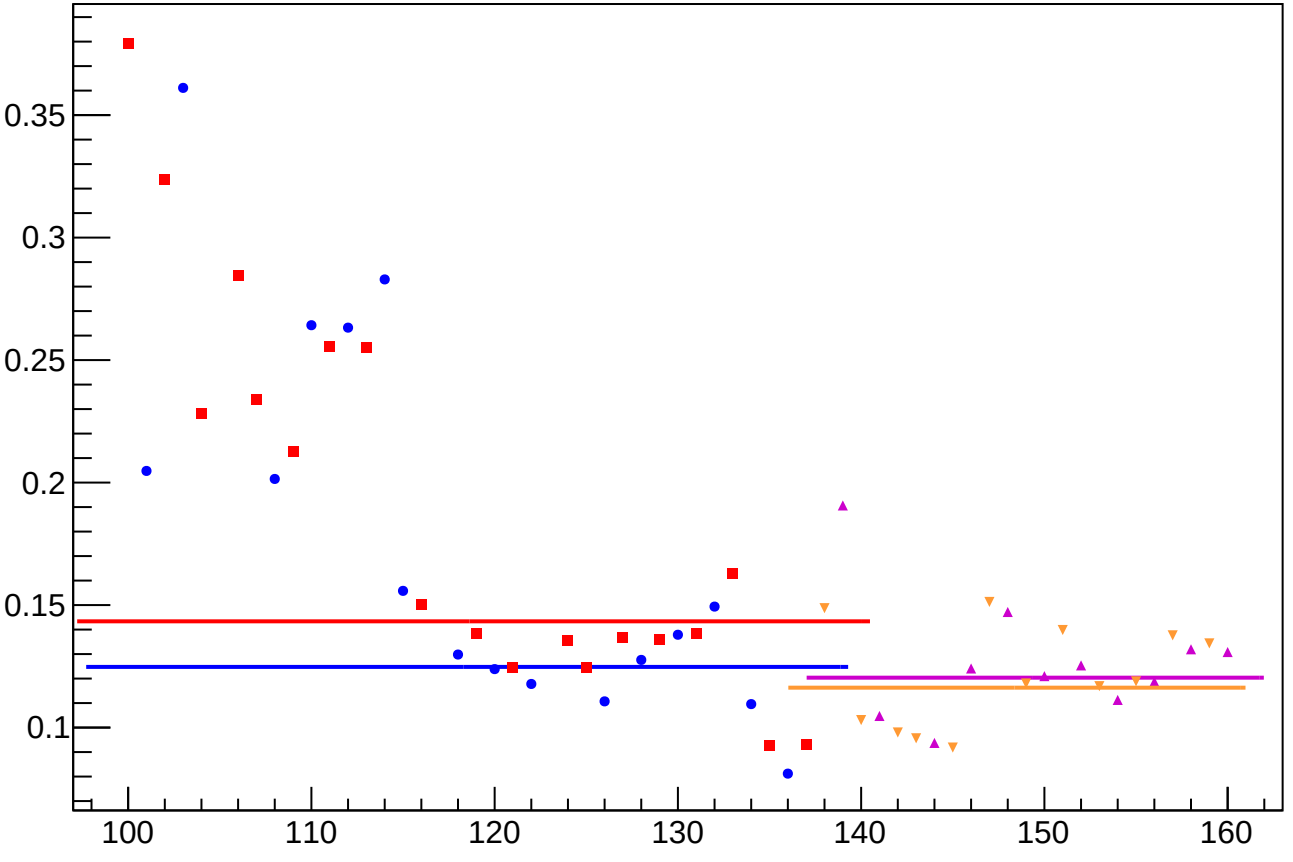
Left In: 25.403+/-0.000 χ^2/NDF:682561999.4/10

+ sign 24.138+/-0.000 χ^2/NDF: 3054863809.9/27

All: 24.260+/-0.000 χ^2/NDF: 6692070654.4/5

- sign 24.395+/-0.000 χ^2/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:453447.7/11

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

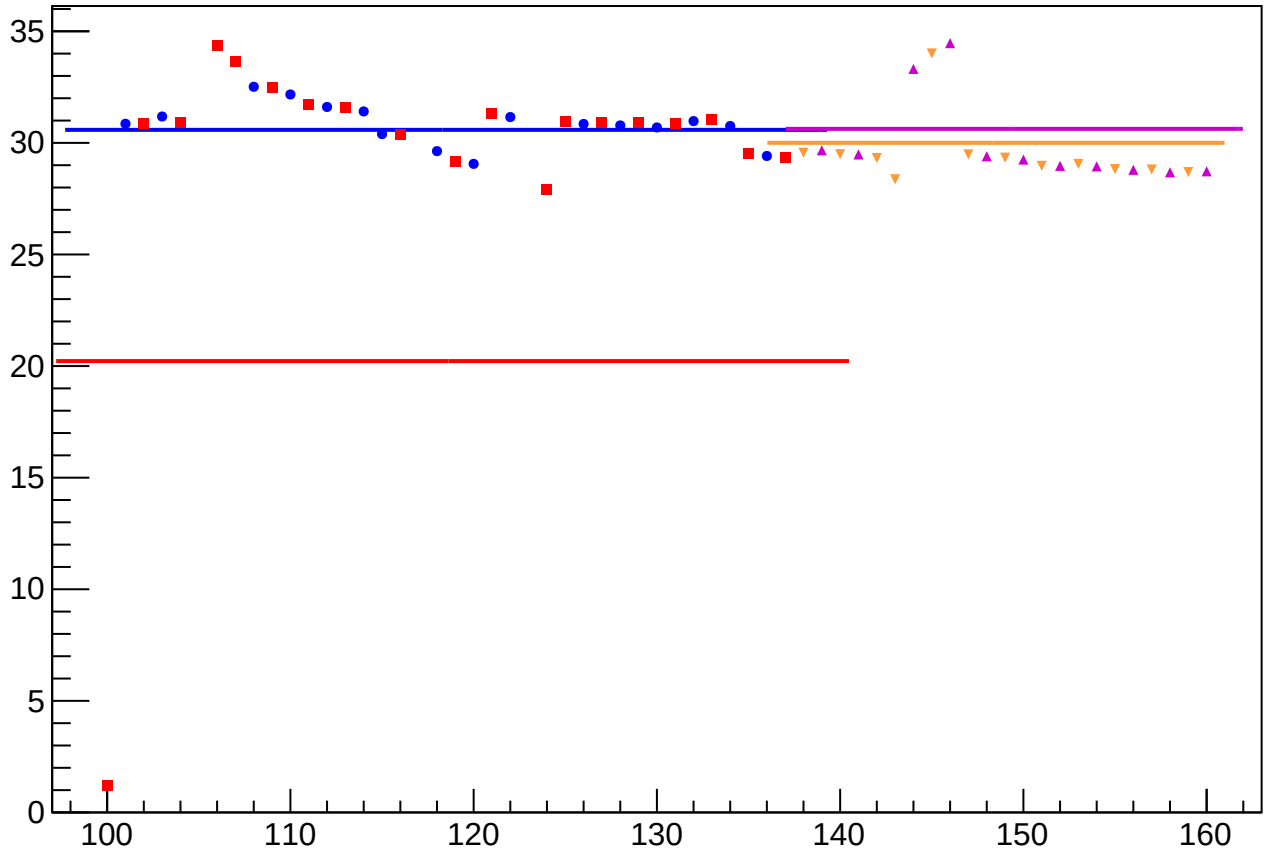
Left In: 0.120+/-0.000 χ^2/NDF:466852.4/10

+ sign 0.119+/-0.000 χ^2/NDF: 2234417.4/27

All: 0.123+/-0.000 χ^2/NDF: 4534167.3/57

- 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: 30.004+/-0.000 χ^2/NDF:5724192947.7/11

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

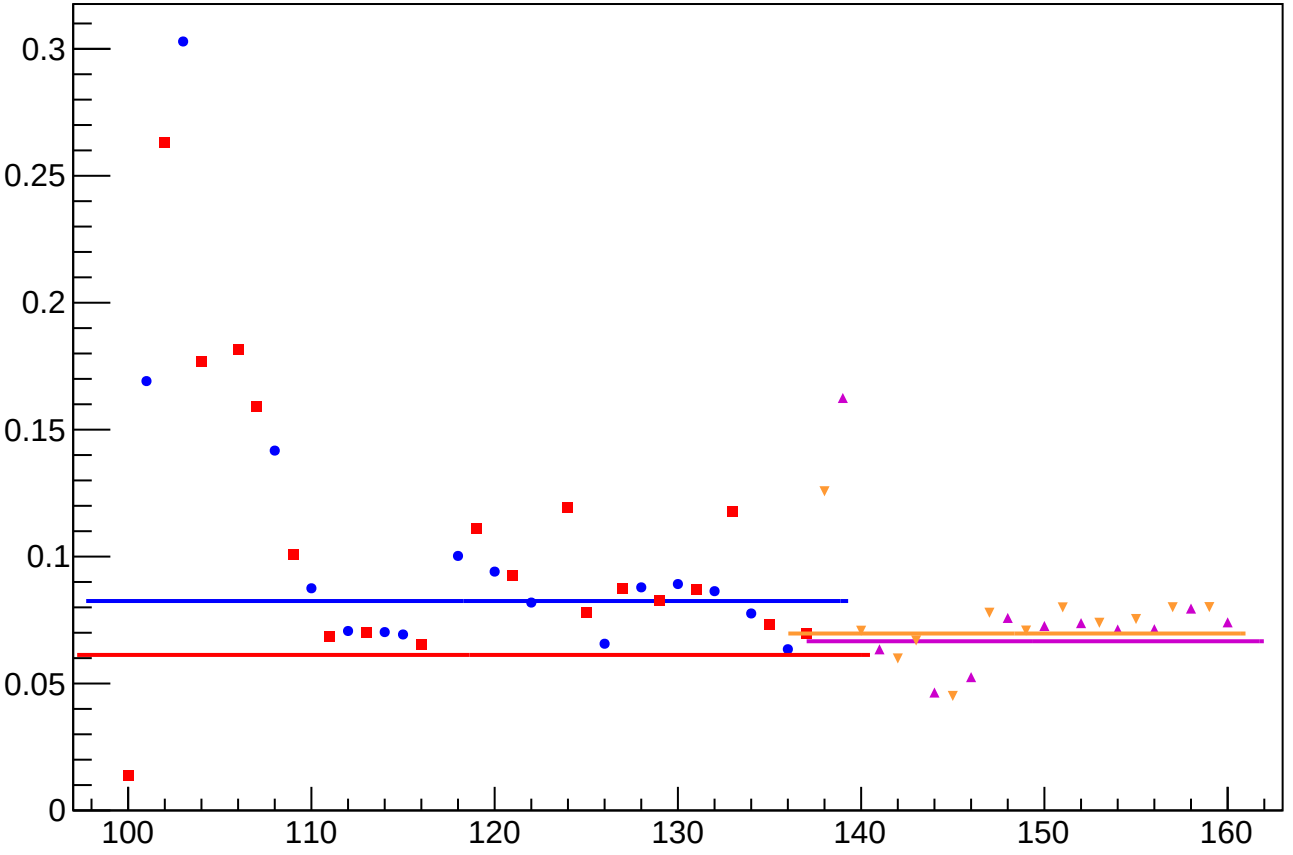
Left In: 30.629+/-0.000 χ^2/NDF:8316785811.4/10

+ sign 30.206+/-0.000 χ^2/NDF: 6546647169.2/27

All: 28.128+/-0.000 χ^2/NDF: 323658980873.

- 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: 0.070+/-0.000 χ^2/NDF:711740.9/11

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

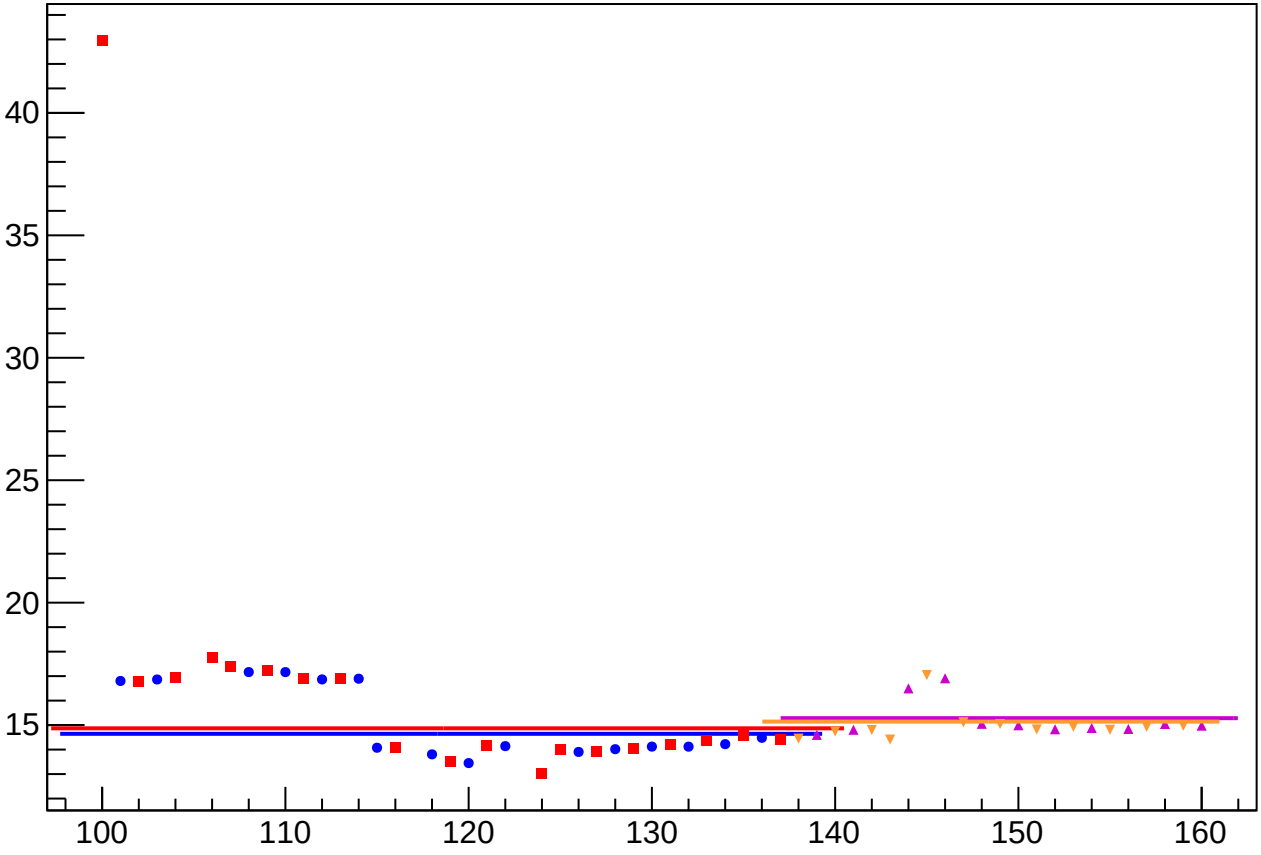
Left In: 0.067+/-0.000 χ^2/NDF:1011697.1/10

+ sign 0.074+/-0.000 χ^2/NDF: 2138668.4/27

All: 0.069+/-0.000 χ^2/NDF: 7430274.6/57

- 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: 15.143+/-0.000 χ^2/NDF:996198533.6/11

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

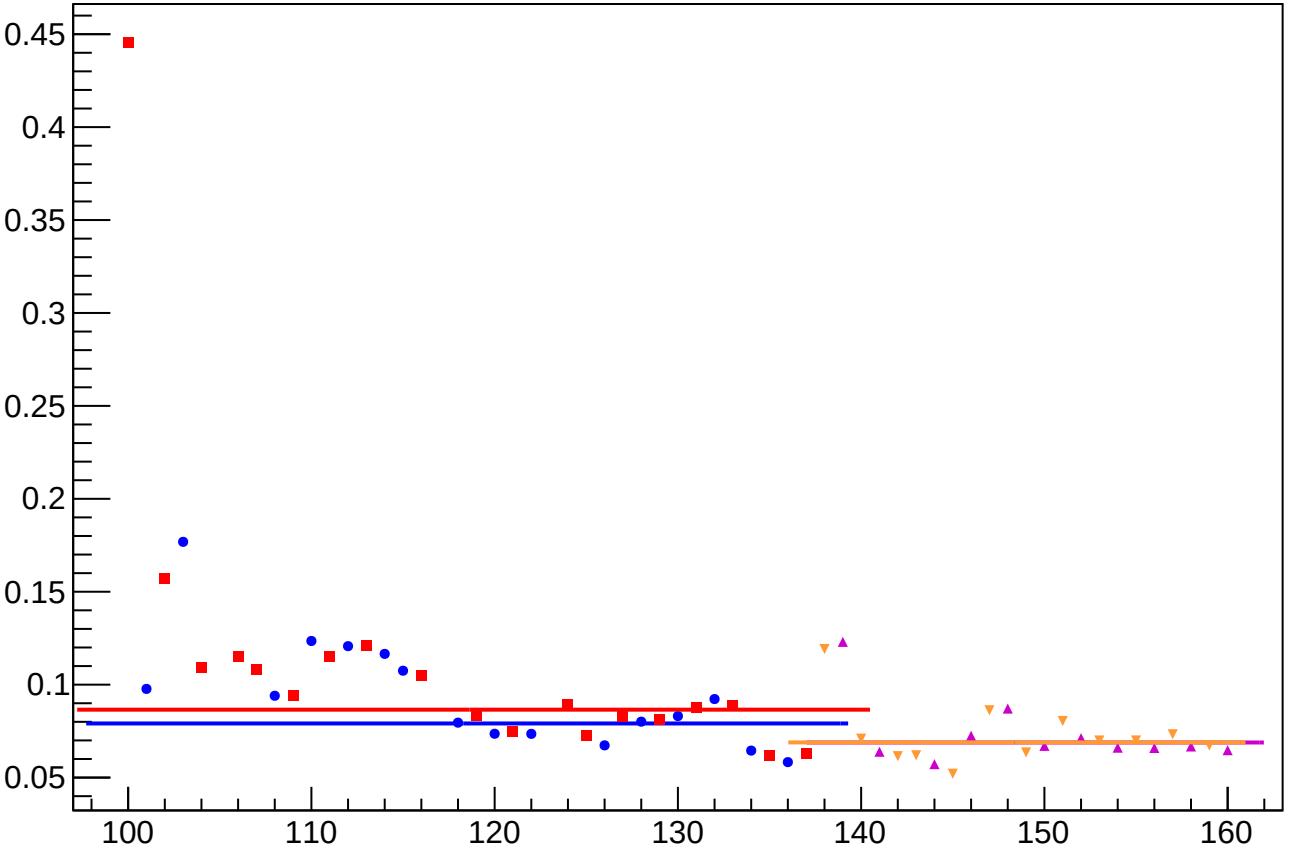
Left In: 15.283+/-0.000 χ^2/NDF:890266649.6/10

+ sign 14.961+/-0.000 χ^2/NDF: 2338380965.7/27

All: 15.053+/-0.000 χ^2/NDF: 5097223997.1/5

- 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:515943.4/11

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

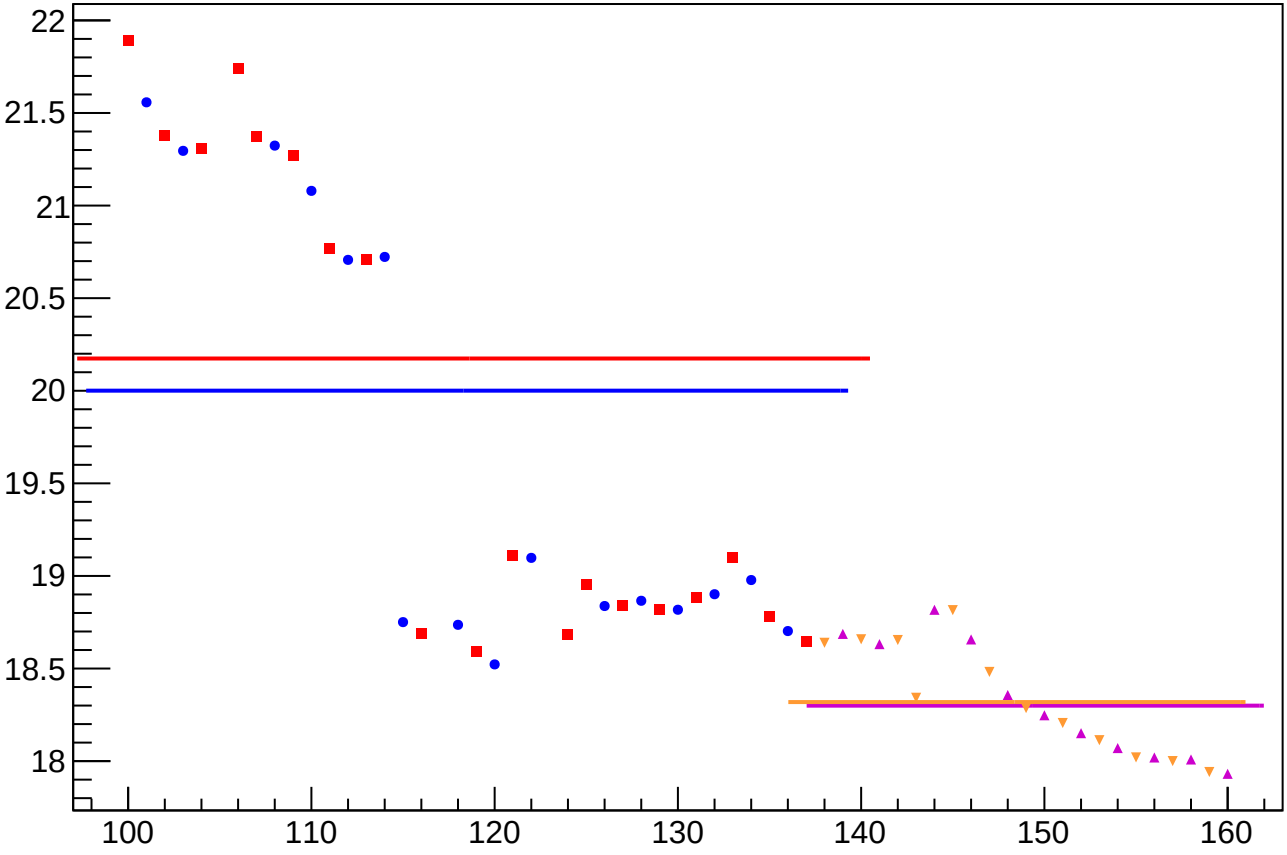
Left In: 0.069+/-0.000 χ^2/NDF:468512.1/10

+ sign 0.073+/-0.000 χ^2/NDF: 1558167.7/27

All: 0.074+/-0.000 χ^2/NDF: 3174409.0/57

- 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: 18.319+/-0.000 χ^2/NDF:739680028.7/11

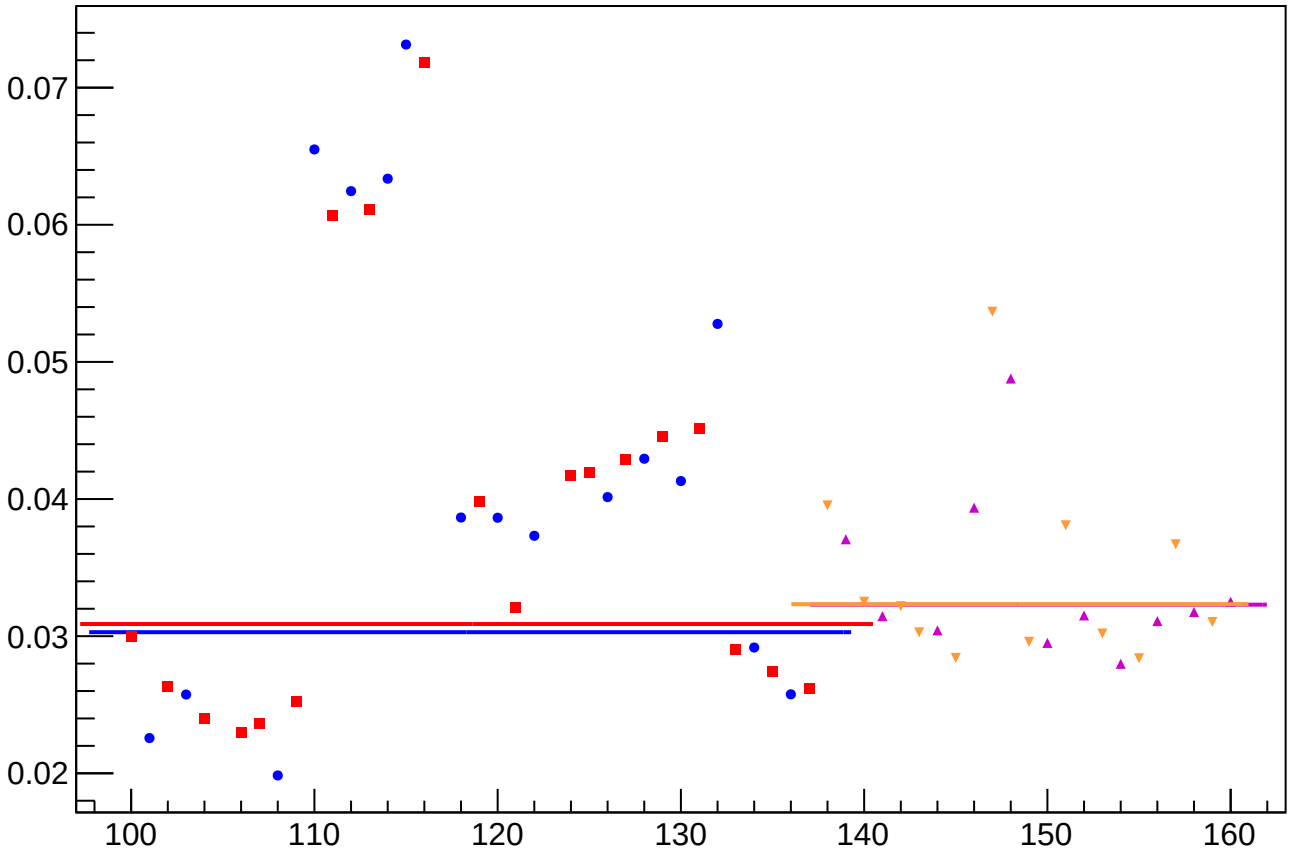
Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.300+/-0.000 χ^2/NDF:817422023.1/10

+ sign 19.047+/-0.000 χ^2/NDF: 22034139741.3/27

All: 19.077+/-0.000 χ^2/NDF: 46355254994.2

- 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:452250.8/11

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

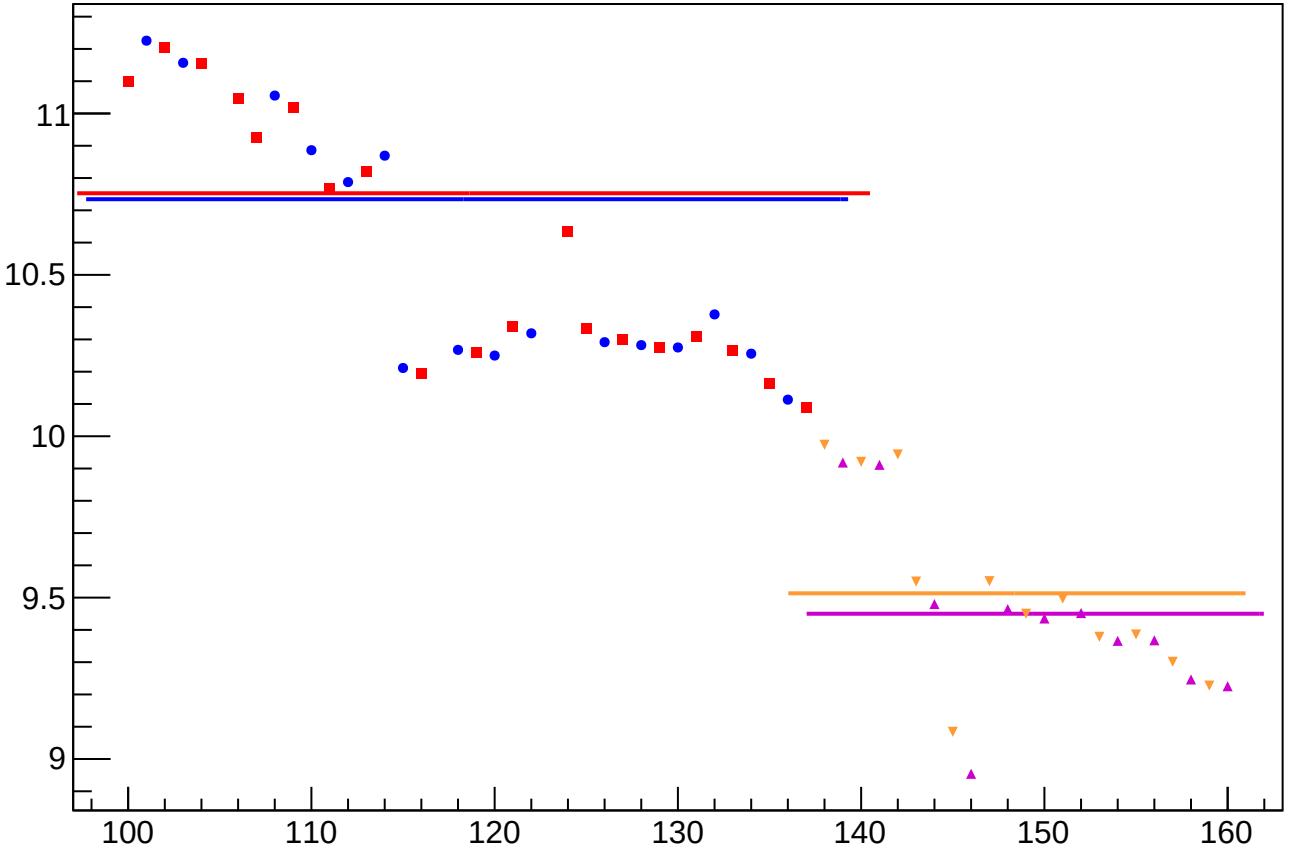
Left In: 0.032+/-0.000 χ^2/NDF:328611.1/10

+ sign 0.031+/-0.000 χ^2/NDF: 1930269.2/27

All: 0.032+/-0.000 χ^2/NDF: 3479286.8/57

- 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: 9.513+/-0.000 χ^2/NDF:1570787972.1/11

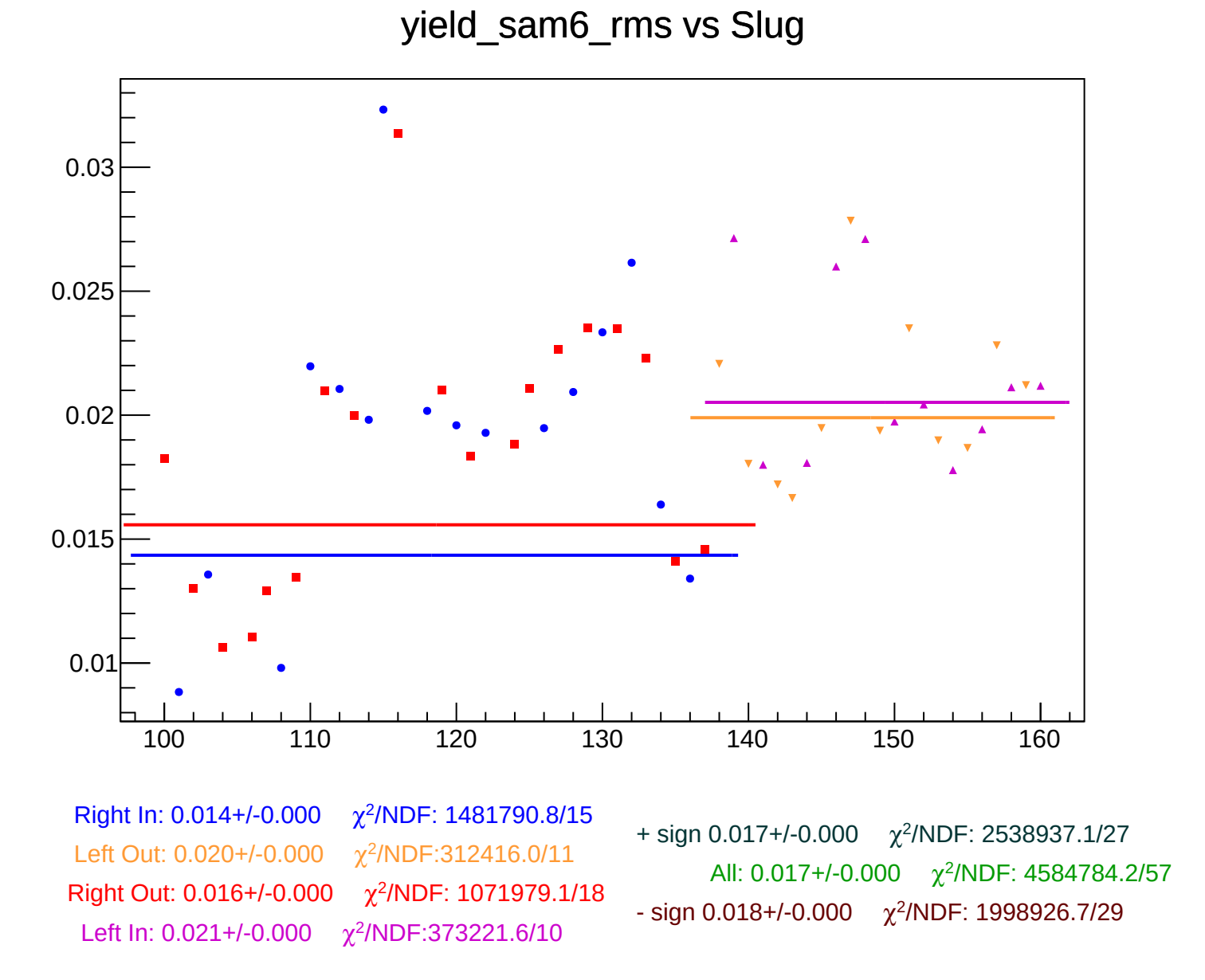
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.450+/-0.000 χ^2/NDF:1262355012.3/10

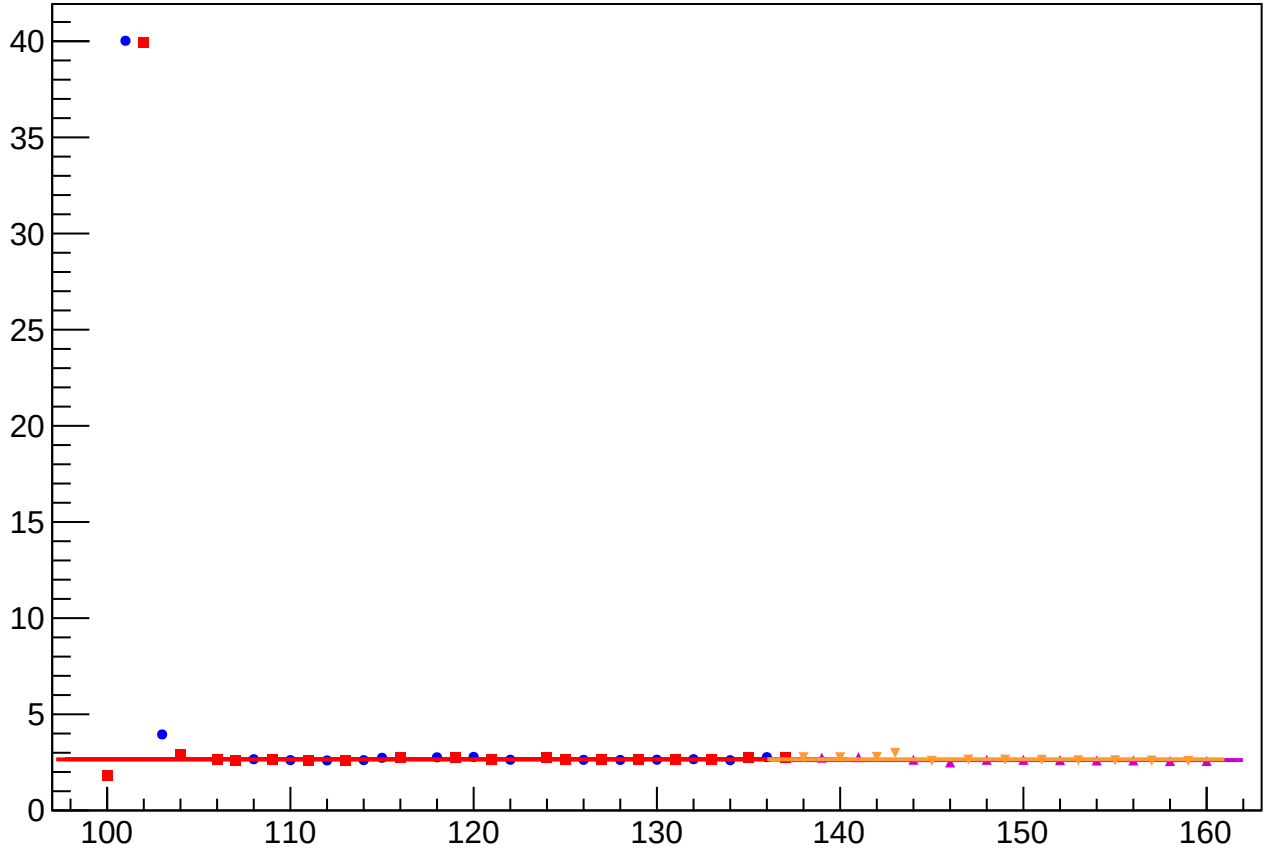
+ sign 10.199+/-0.000 χ^2/NDF: 25488685294.6/27

All: 10.187+/-0.000 χ^2/NDF: 50369490053.1

- 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:312416.0/11
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: 2538937.1/27
All: 0.017+/-0.000 χ²/NDF: 4584784.2/57
- 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: 2.660+/-0.000 χ^2/NDF:17877250856.5/11

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

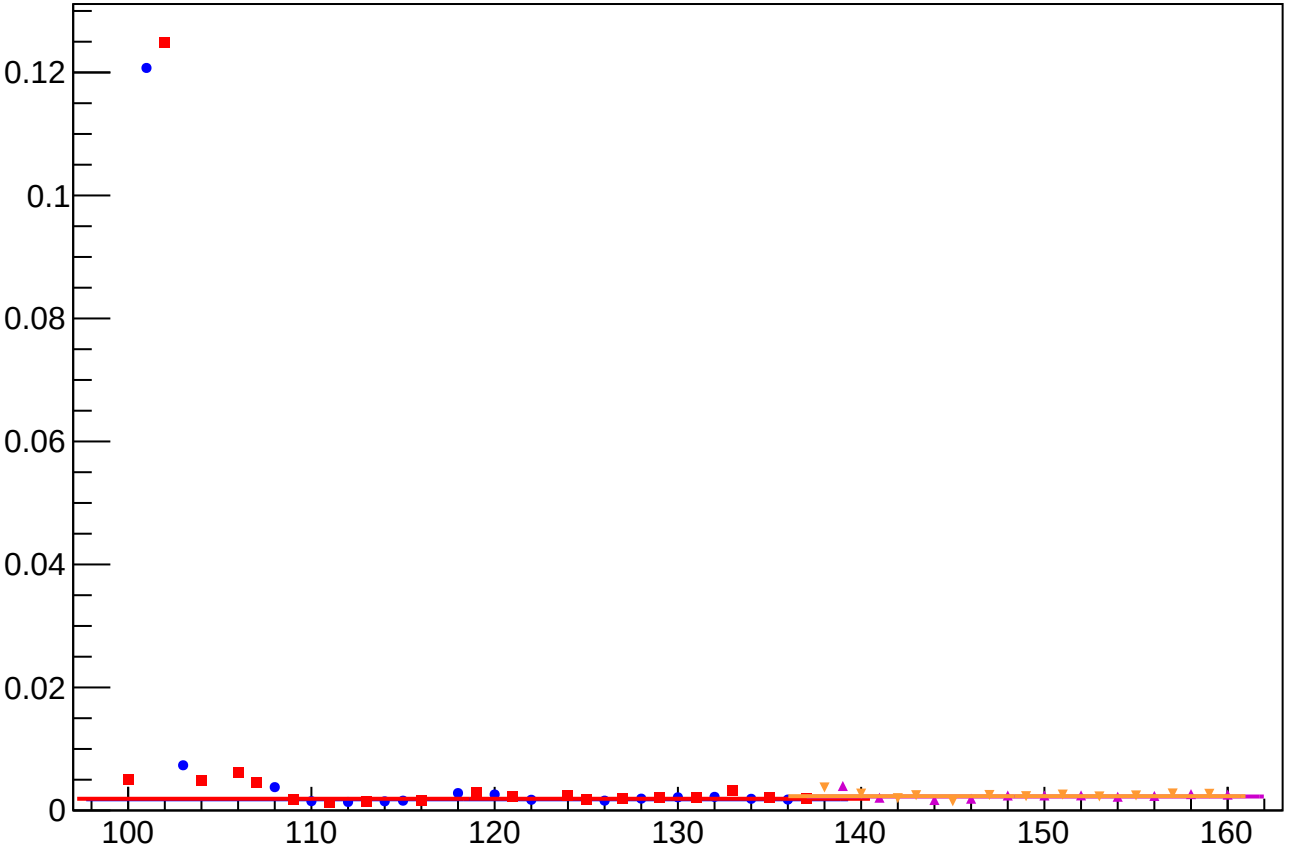
Left In: 2.620+/-0.000 χ^2/NDF:8161823131.2/10

+ sign 2.662+/-0.000 χ^2/NDF: 85727968907.4/27

All: 2.650+/-0.000 χ^2/NDF: 160772728151.8

- 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:733516.4/11

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

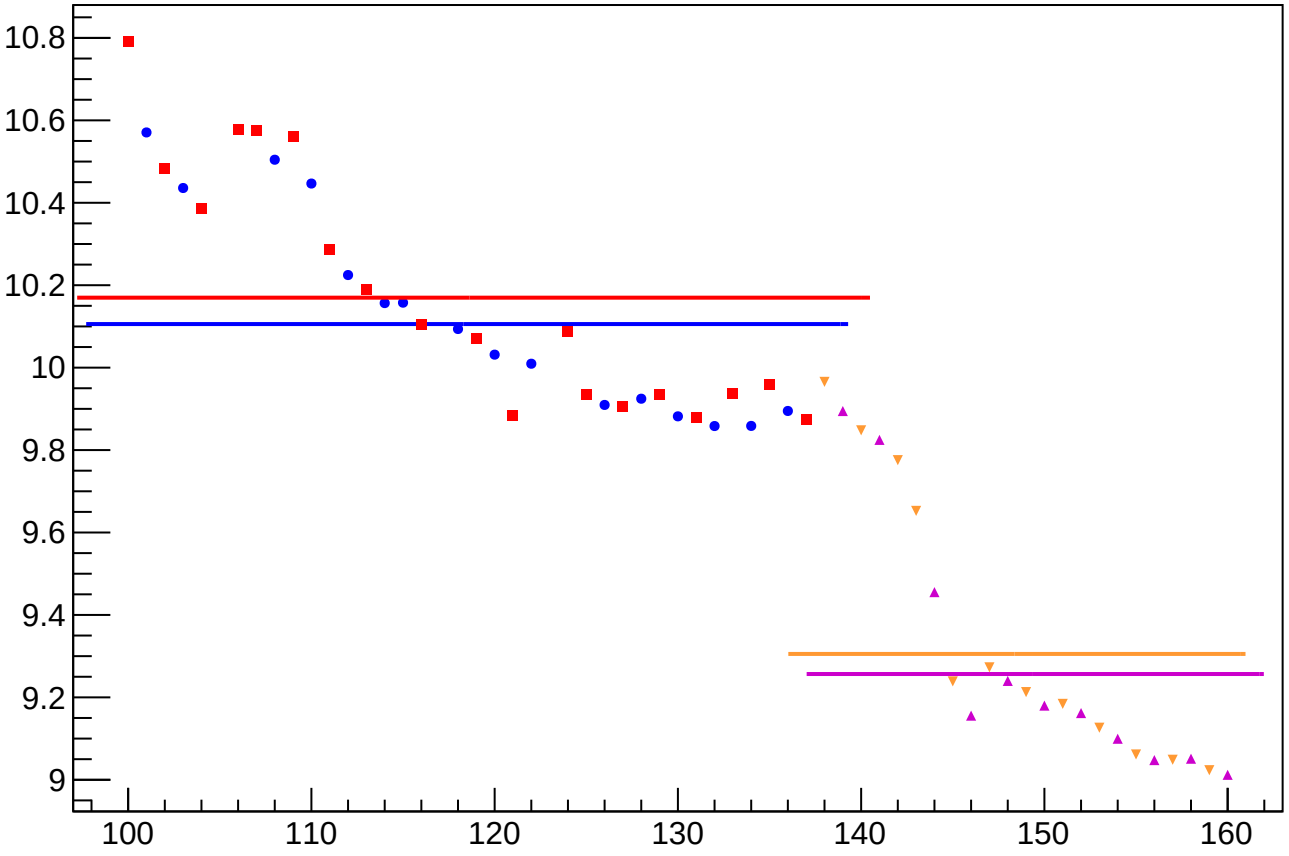
Left In: 0.002+/-0.000 χ^2/NDF:589045.1/10

+ sign 0.002+/-0.000 χ^2/NDF: 2921458.8/27

All: 0.002+/-0.000 χ^2/NDF: 6233523.5/57

- sign 0.002+/-0.000 χ^2/NDF: 3310265.1/29

yield_sam8_mean vs Slug



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.305+/-0.000 χ^2/NDF:14169657322.4/11

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

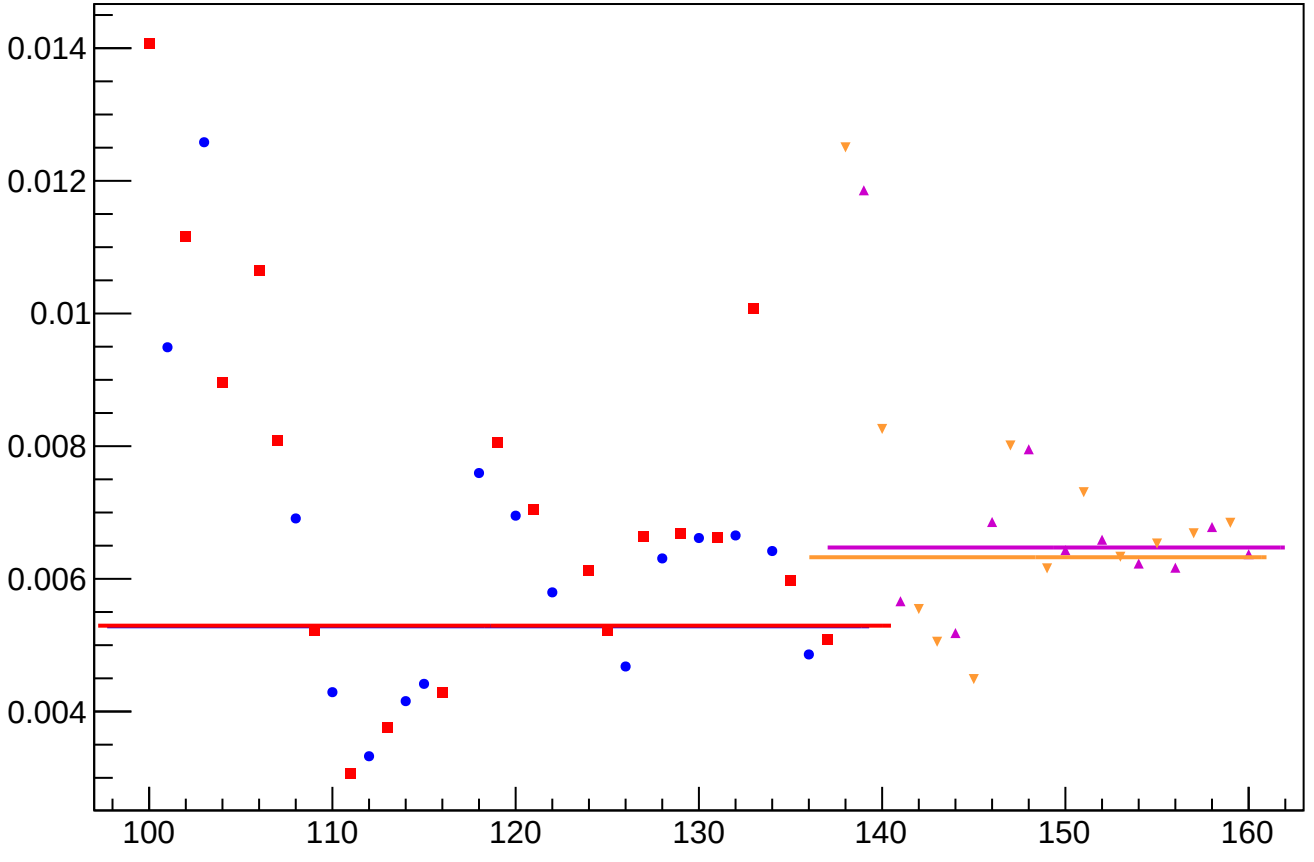
Left In: 9.257+/-0.000 χ^2/NDF:12954087623.4/10

+ sign 9.714+/-0.000 χ^2/NDF: 84008697659.6/27

All: 9.721+/-0.000 χ^2/NDF: 185493075986.3

- 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:799112.1/11

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

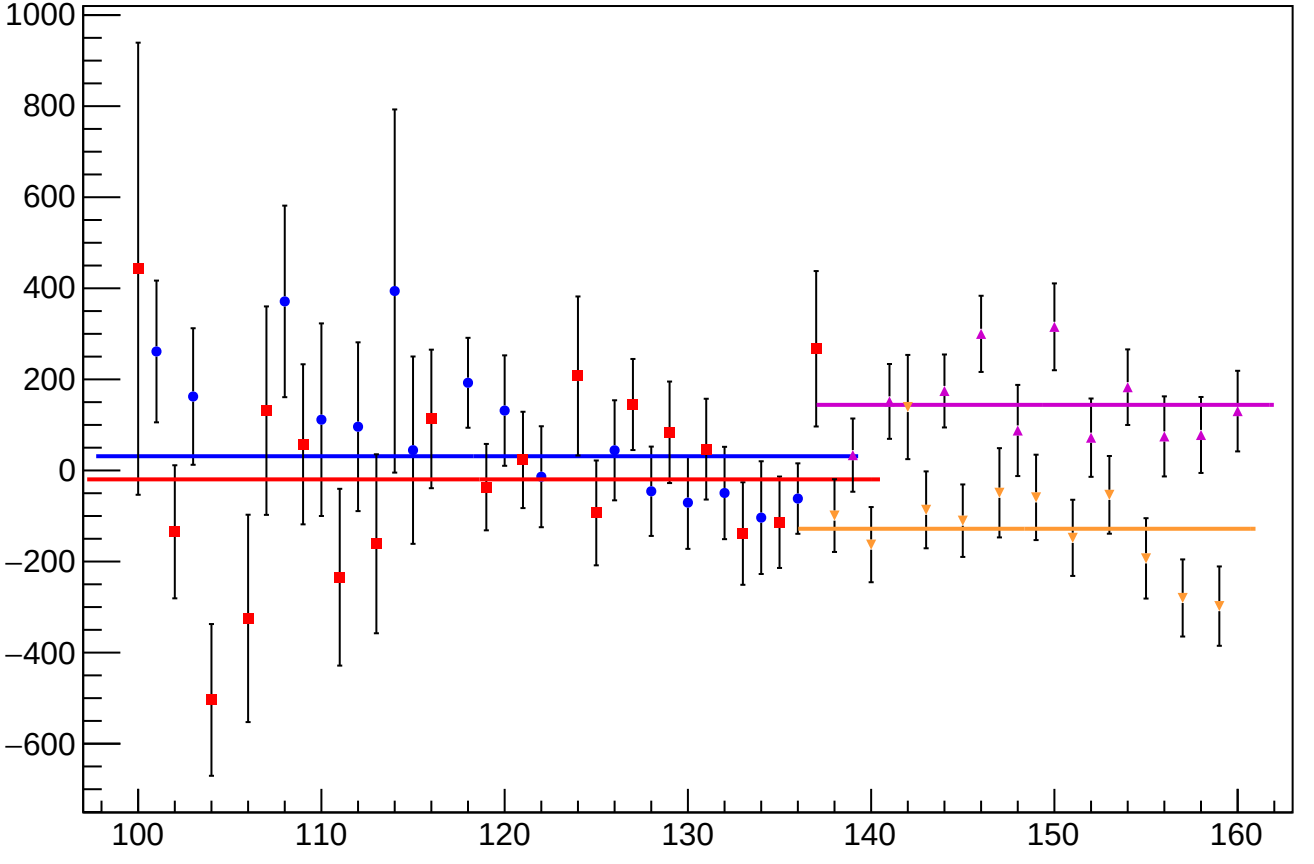
Left In: 0.006+/-0.000 χ^2/NDF:495987.0/10

+ sign 0.006+/-0.000 χ^2/NDF: 2278703.9/27

All: 0.006+/-0.000 χ^2/NDF: 4833103.6/57

- 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: -128.043+/-25.191 χ^2/NDF:15.6/11

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

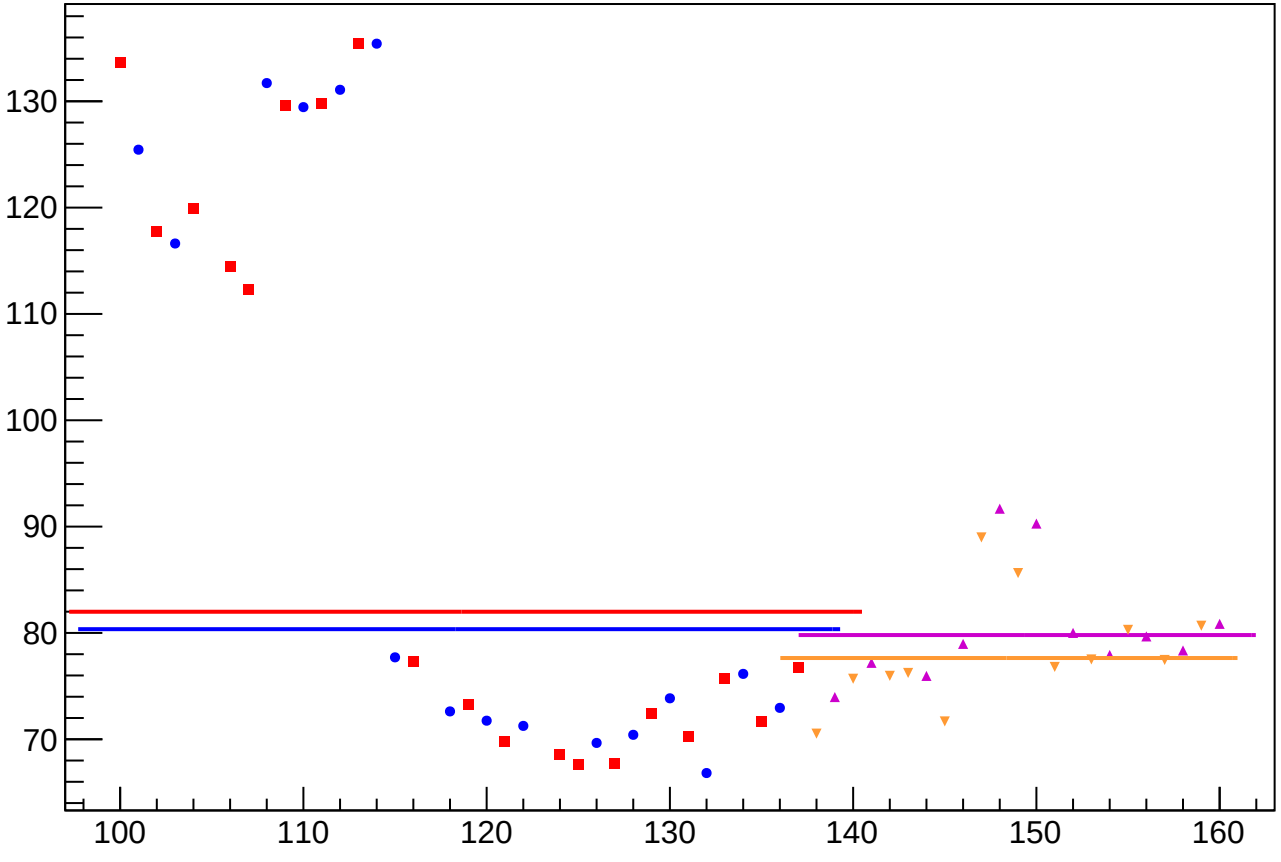
Left In: 144.050+/-25.887 χ^2/NDF:11.3/10

+ sign -64.161+/-19.496 χ^2/NDF: 46.7/27

All: 5.014+/-13.921 χ^2/NDF: 126.0/57

- 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: 77.641+/-0.018 χ^2/NDF:74947.9/11

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

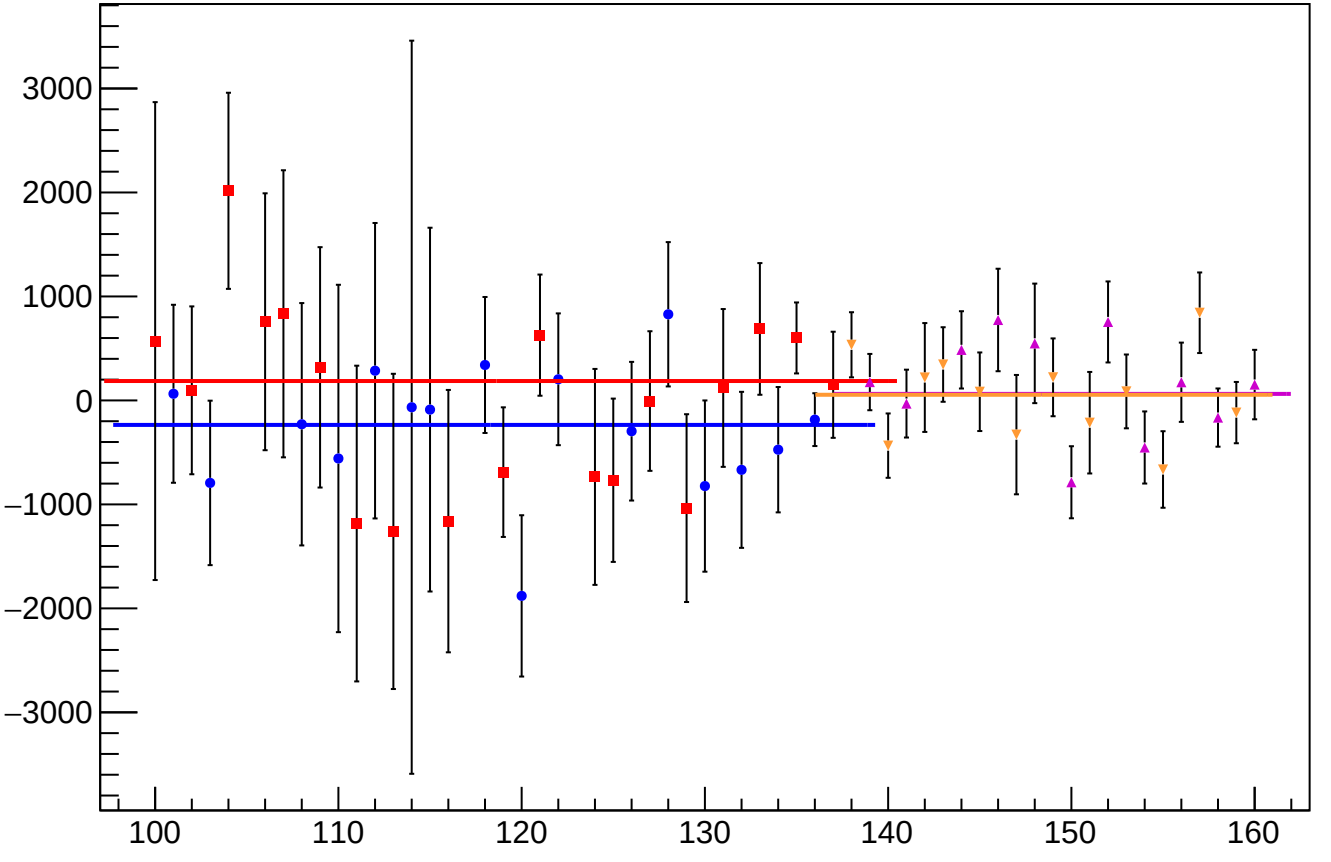
Left In: 79.801+/-0.018 χ^2/NDF:71618.7/10

+ sign 78.729+/-0.014 χ^2/NDF: 924292.7/27

All: 79.695+/-0.010 χ^2/NDF: 1944143.1/57

- sign 80.699+/-0.014 χ^2/NDF: 1009835.4/29

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 54.397+/-107.261 χ^2/NDF:14.9/11

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

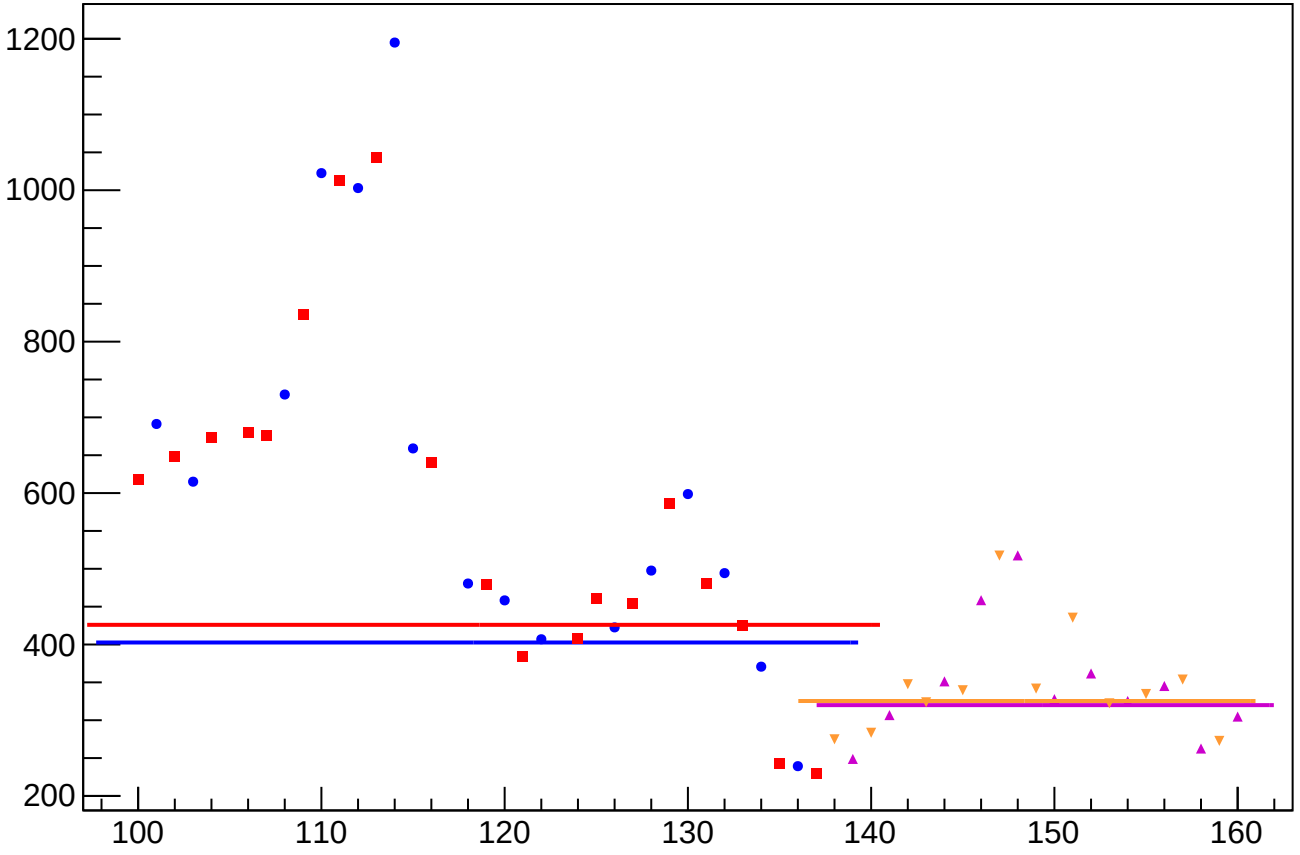
Left In: 62.779+/-105.854 χ^2/NDF:16.5/10

\+ sign -32.638+/-89.728 χ^2/NDF: 27.0/27

All: 32.177+/-63.514 χ^2/NDF: 60.9/57

\- 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: 325.384+/-0.076 χ^2/NDF:500754.0/11

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

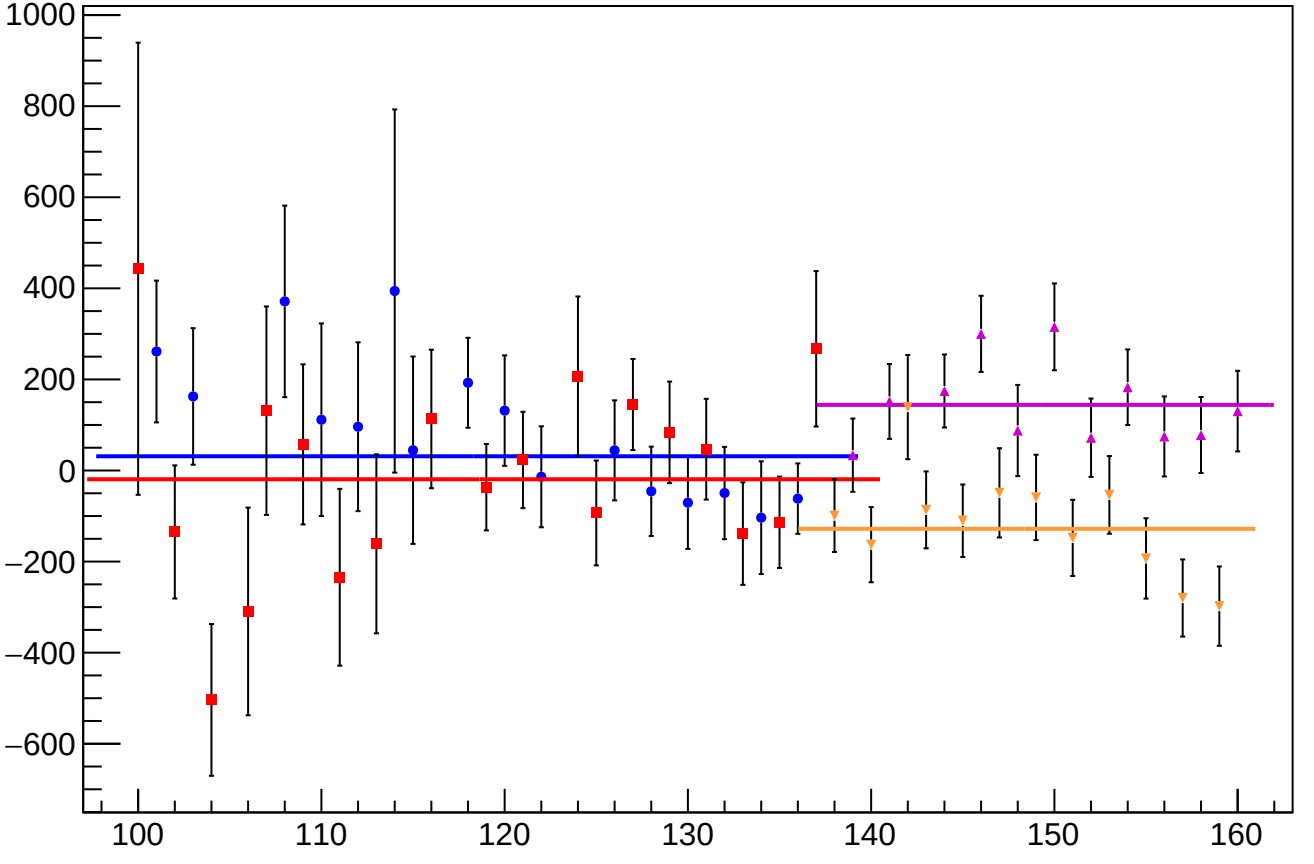
Left In: 319.932+/-0.075 χ^2/NDF:671332.1/10

+ sign 348.582+/-0.063 χ^2/NDF: 3172465.2/27

All: 349.021+/-0.045 χ^2/NDF: 6771650.9/57

- 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: -128.040+/-25.191 χ^2/NDF:15.6/11

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

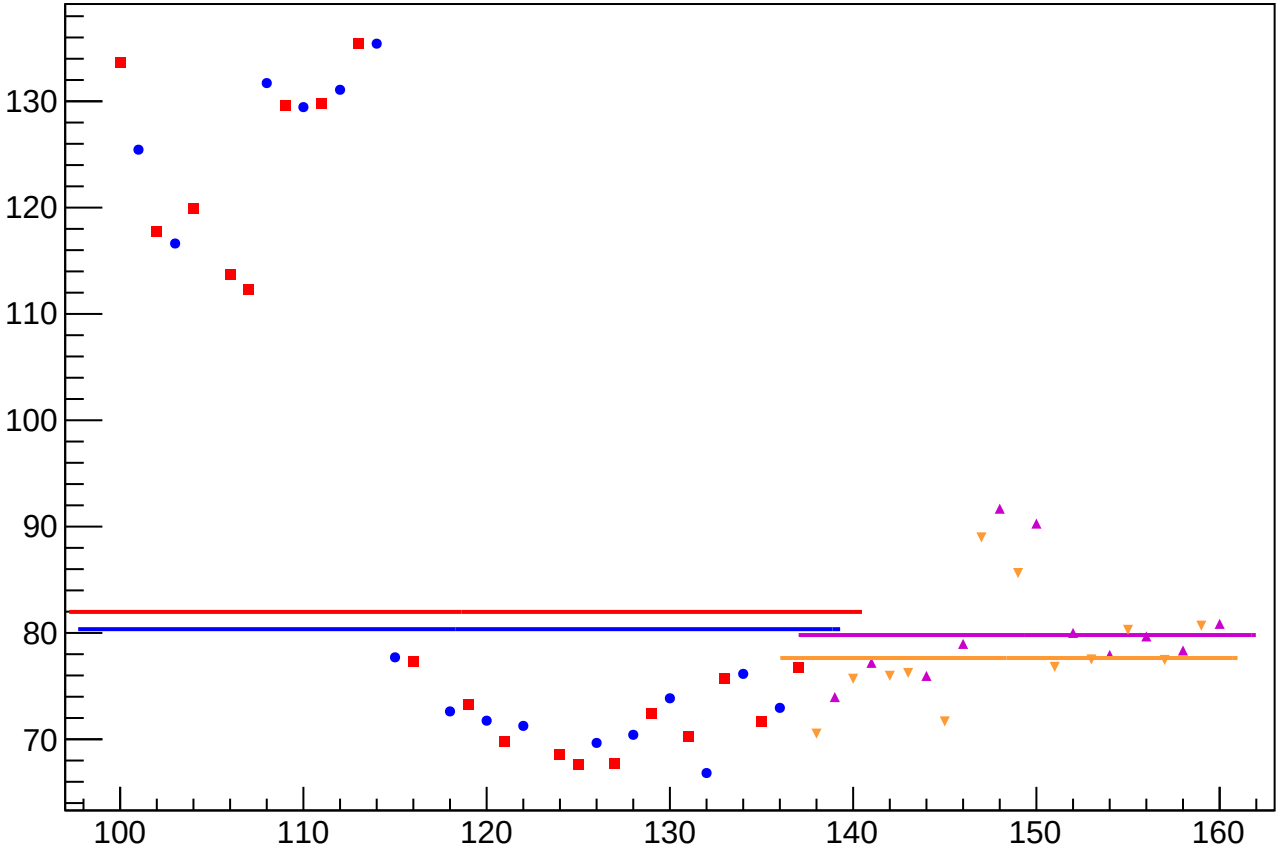
Left In: 144.053+/-25.887 χ^2/NDF:11.3/10

+ sign -64.154+/-19.496 χ^2/NDF: 46.7/27

All: 5.077+/-13.922 χ^2/NDF: 125.8/57

- 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: 77.641+/-0.018 χ^2/NDF:74947.9/11

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

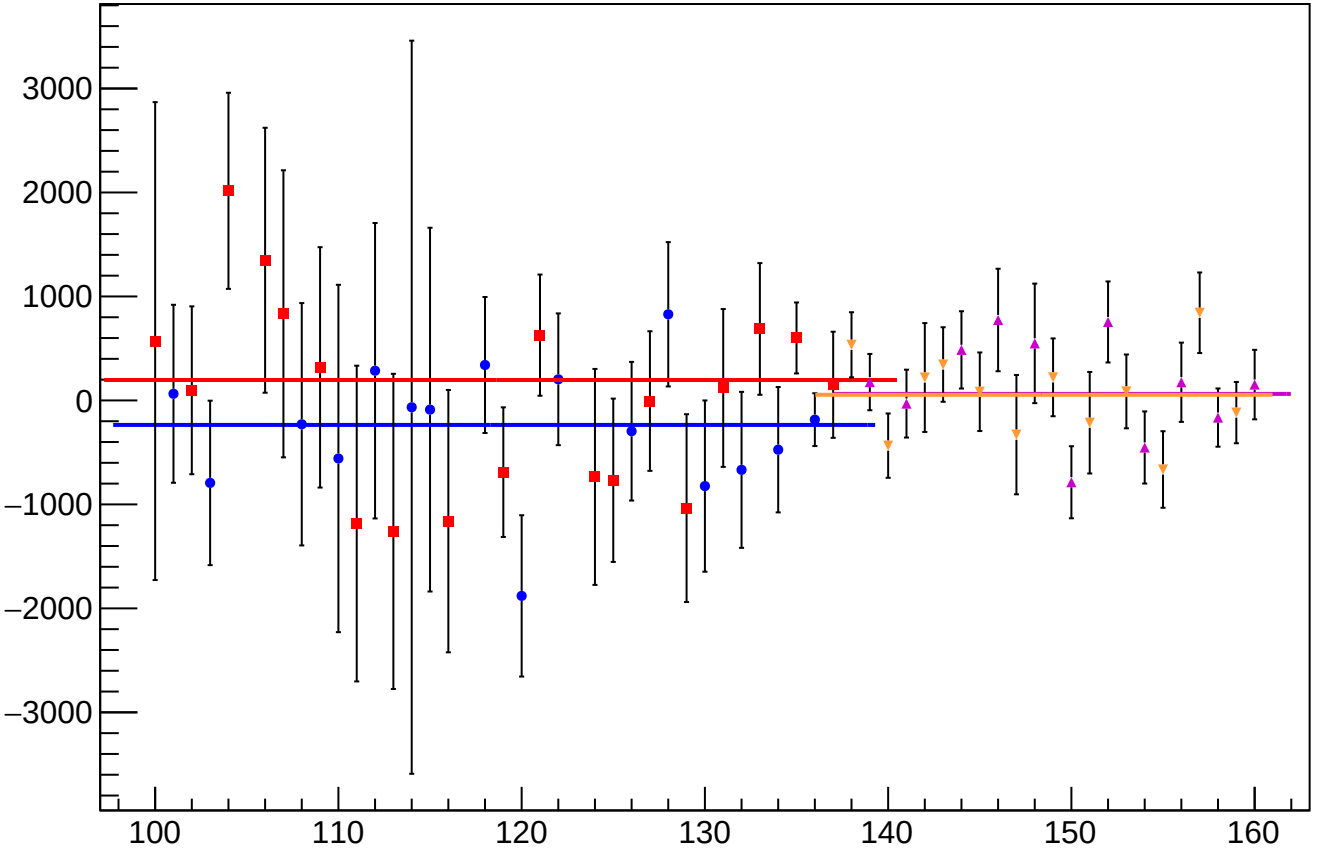
Left In: 79.801+/-0.018 χ^2/NDF:71618.7/10

+ sign 78.729+/-0.014 χ^2/NDF: 924292.9/27

All: 79.692+/-0.010 χ^2/NDF: 1942128.5/57

- 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: 54.397+/-107.261 χ^2/NDF:14.9/11

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

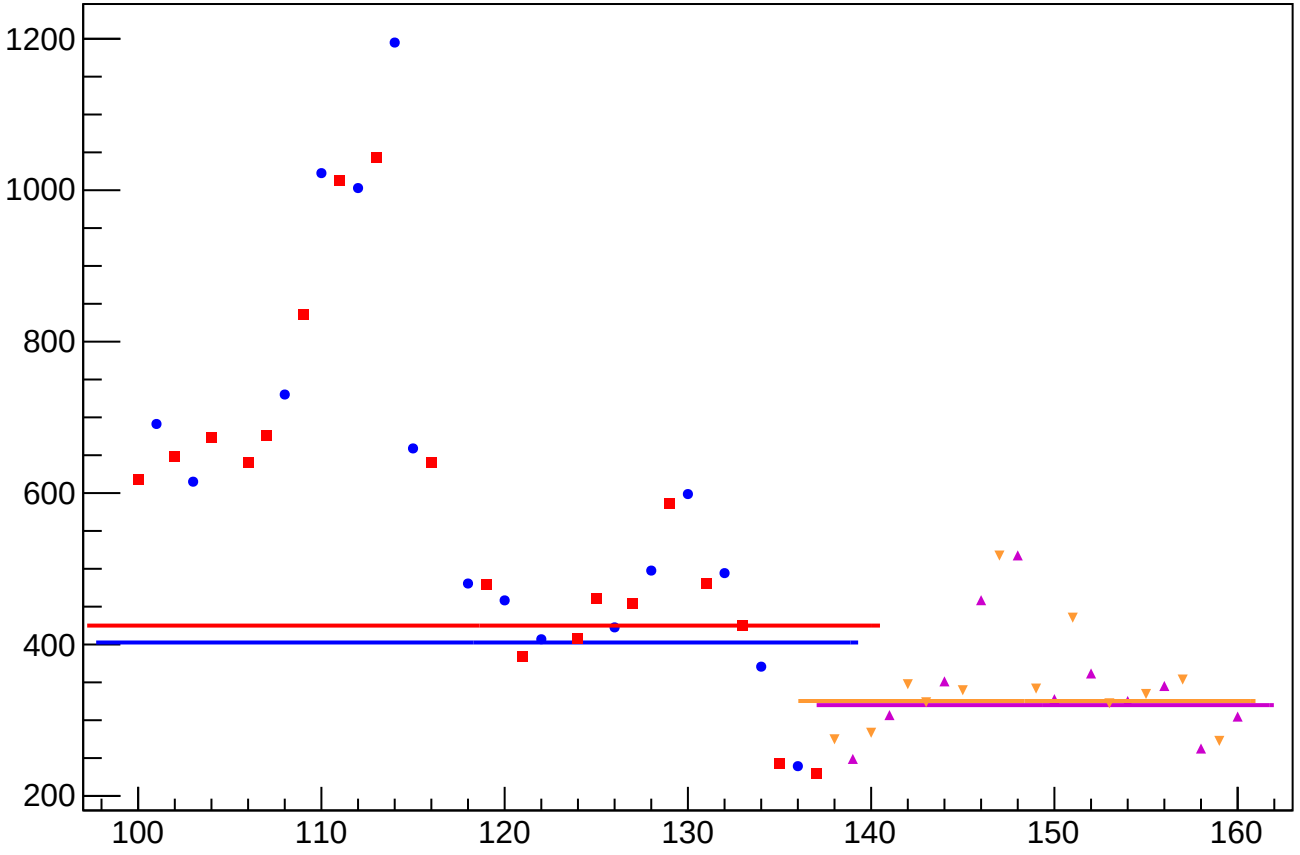
Left In: 62.782+/-105.854 χ^2/NDF:16.5/10

+ sign -32.637+/-89.728 χ^2/NDF: 27.0/27

All: 33.536+/-63.519 χ^2/NDF: 61.7/57

- 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: 325.384+/-0.076 χ^2/NDF:500761.4/11

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

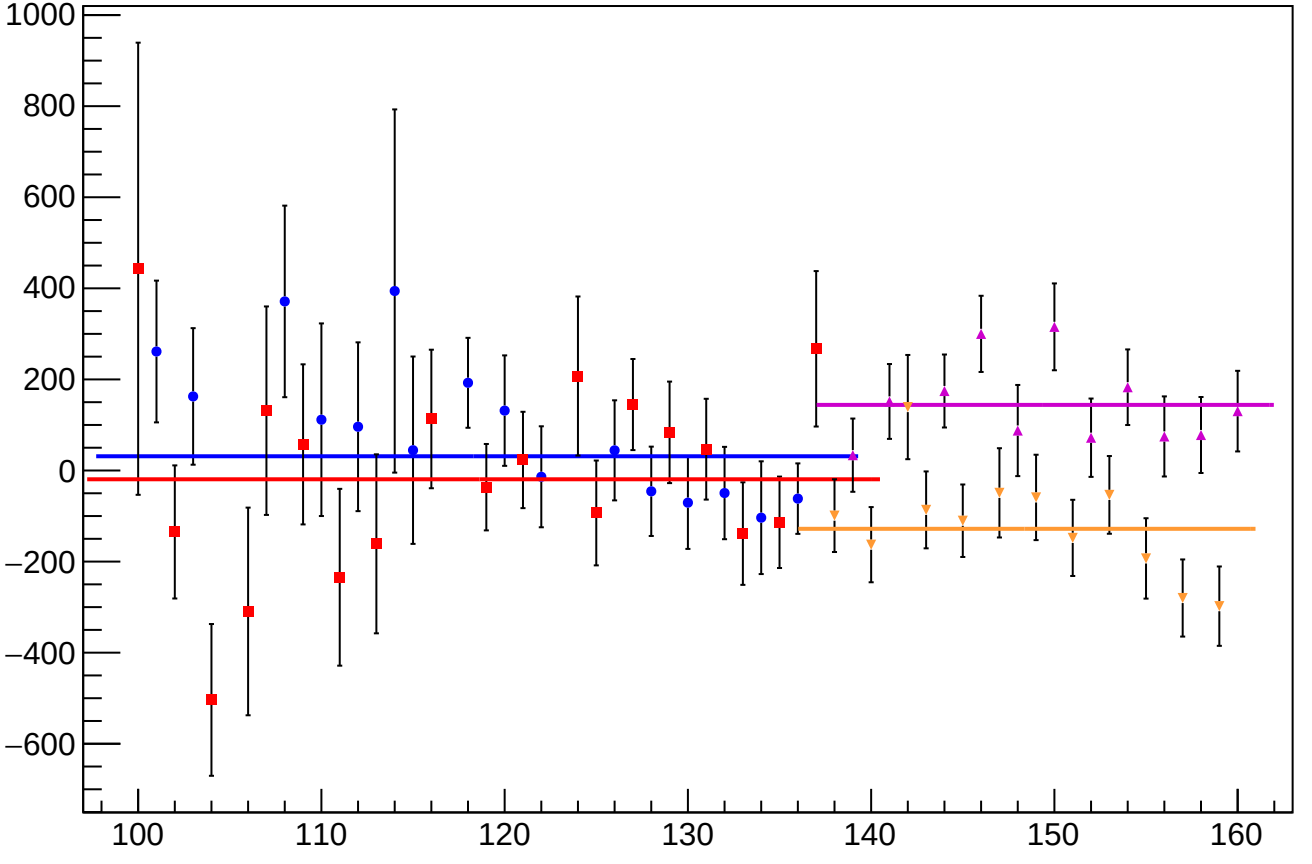
Left In: 319.932+/-0.075 χ^2/NDF:671332.7/10

+ sign 348.582+/-0.063 χ^2/NDF: 3172471.5/27

All: 348.871+/-0.045 χ^2/NDF: 6732973.2/57

- 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: -128.040+/-25.191 χ^2/NDF:15.6/11

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

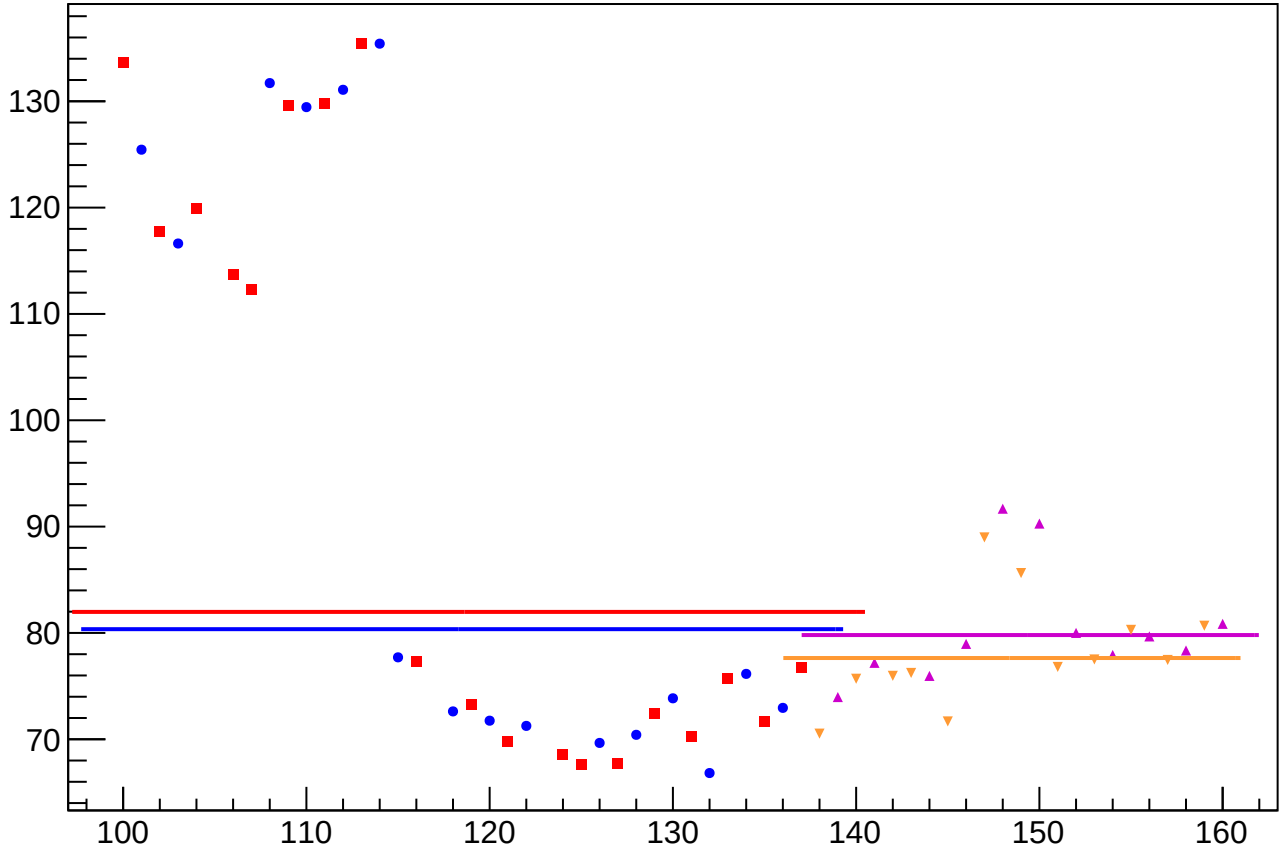
Left In: 144.053+/-25.887 χ^2/NDF:11.3/10

\+ sign -64.154+/-19.496 χ^2/NDF: 46.7/27

All: 5.077+/-13.922 χ^2/NDF: 125.8/57

\- 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: 77.641+/-0.018 χ^2/NDF:74947.9/11

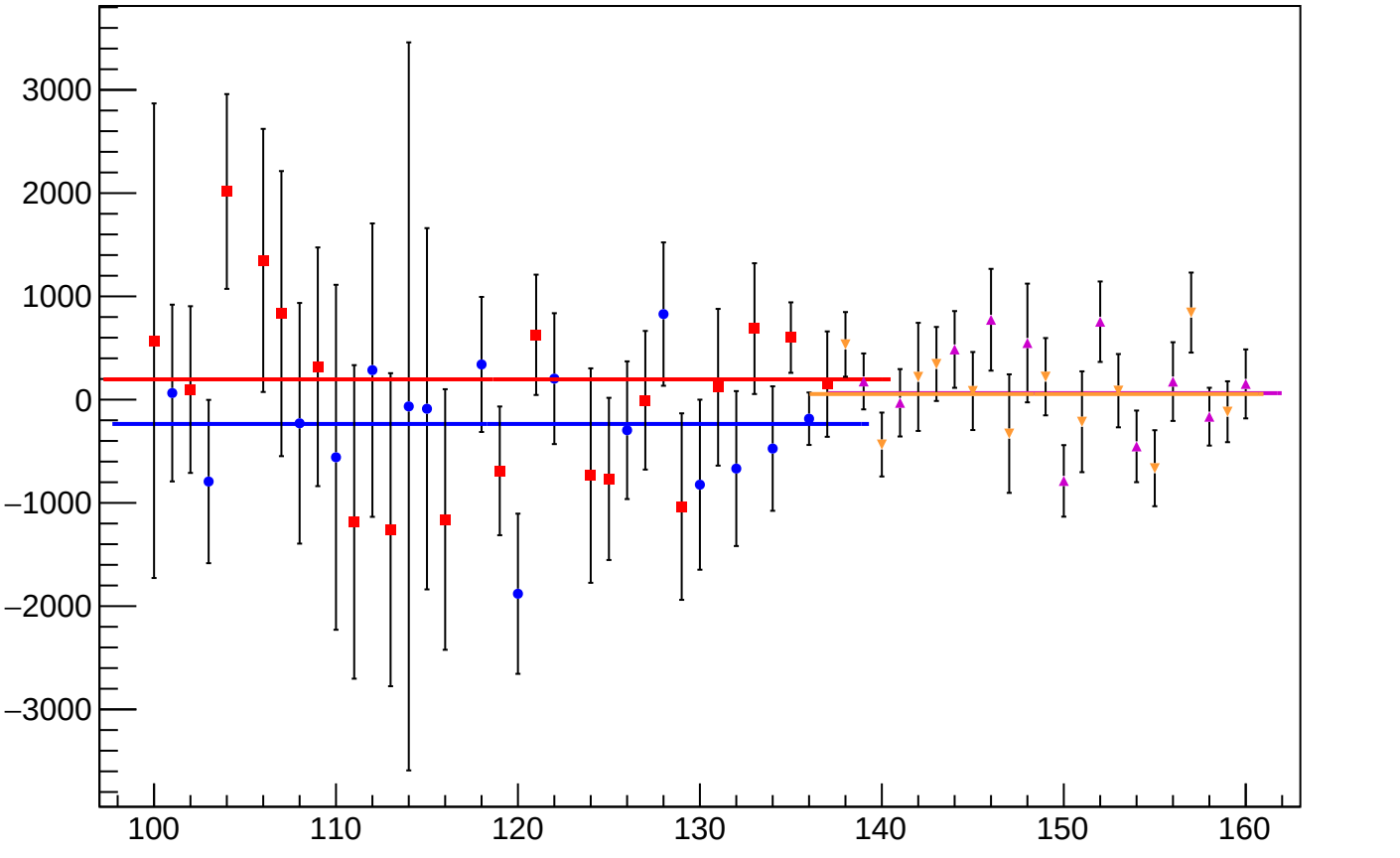
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.801+/-0.018 χ^2/NDF:71618.7/10

+ sign 78.729+/-0.014 χ^2/NDF: 924292.9/27

All: 79.692+/-0.010 χ^2/NDF: 1942128.5/57

- 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: 54.397+/-107.261 χ^2/NDF:14.9/11

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

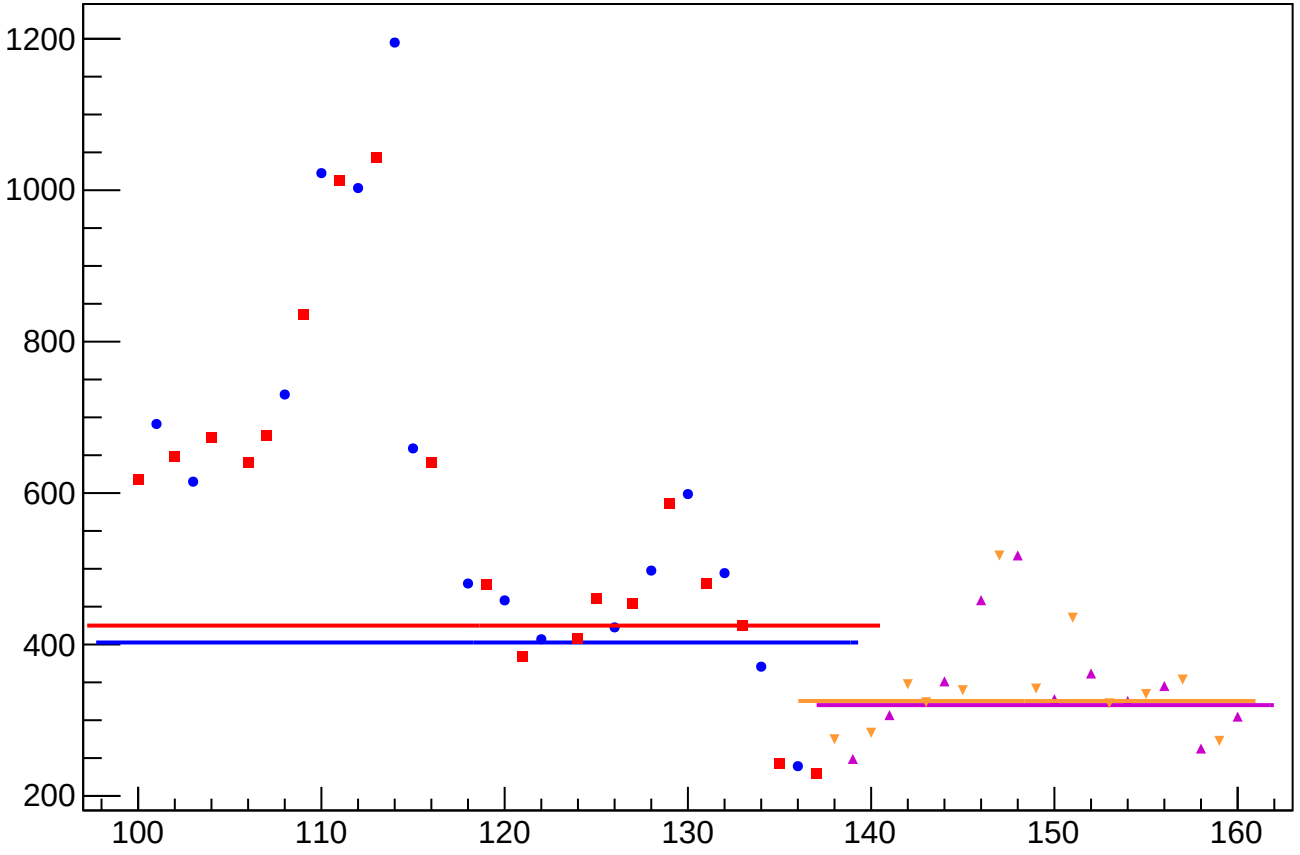
Left In: 62.782+/-105.854 χ^2/NDF:16.5/10

\+ sign -32.637+/-89.728 χ^2/NDF: 27.0/27

All: 33.536+/-63.519 χ^2/NDF: 61.7/57

\- 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: 325.384+/-0.076 χ^2/NDF:500761.4/11

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

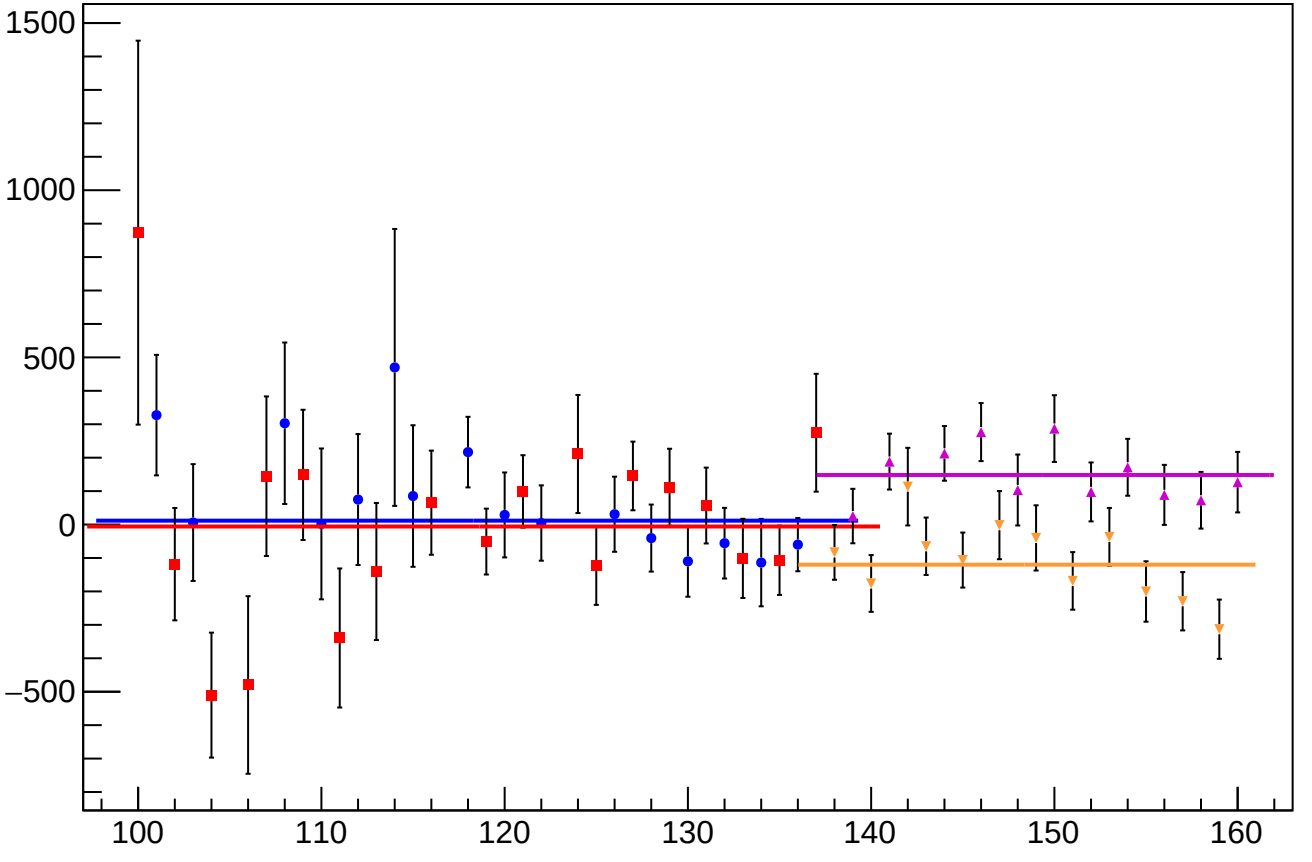
Left In: 319.932+/-0.075 χ^2/NDF:671332.7/10

+ sign 348.582+/-0.063 χ^2/NDF: 3172471.5/27

All: 348.871+/-0.045 χ^2/NDF: 6732973.2/57

- 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: -120.054+/-25.856 χ^2/NDF:15.5/11

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

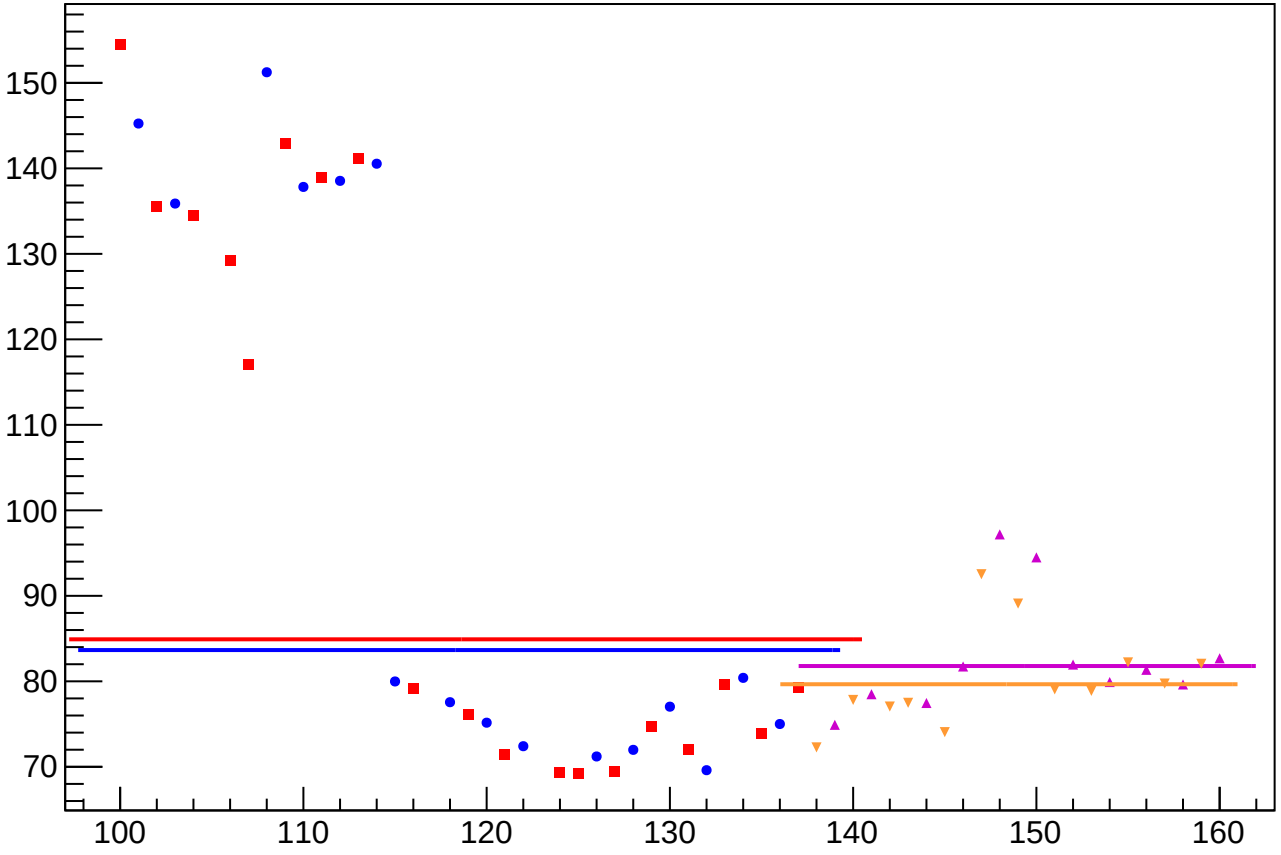
Left In: 148.236+/-26.560 χ^2/NDF:9.1/10

+ sign -68.613+/-20.184 χ^2/NDF: 39.1/27

All: 7.505+/-14.401 χ^2/NDF: 119.5/57

- 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: 79.659+/-0.018 χ^2/NDF:82691.6/11

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

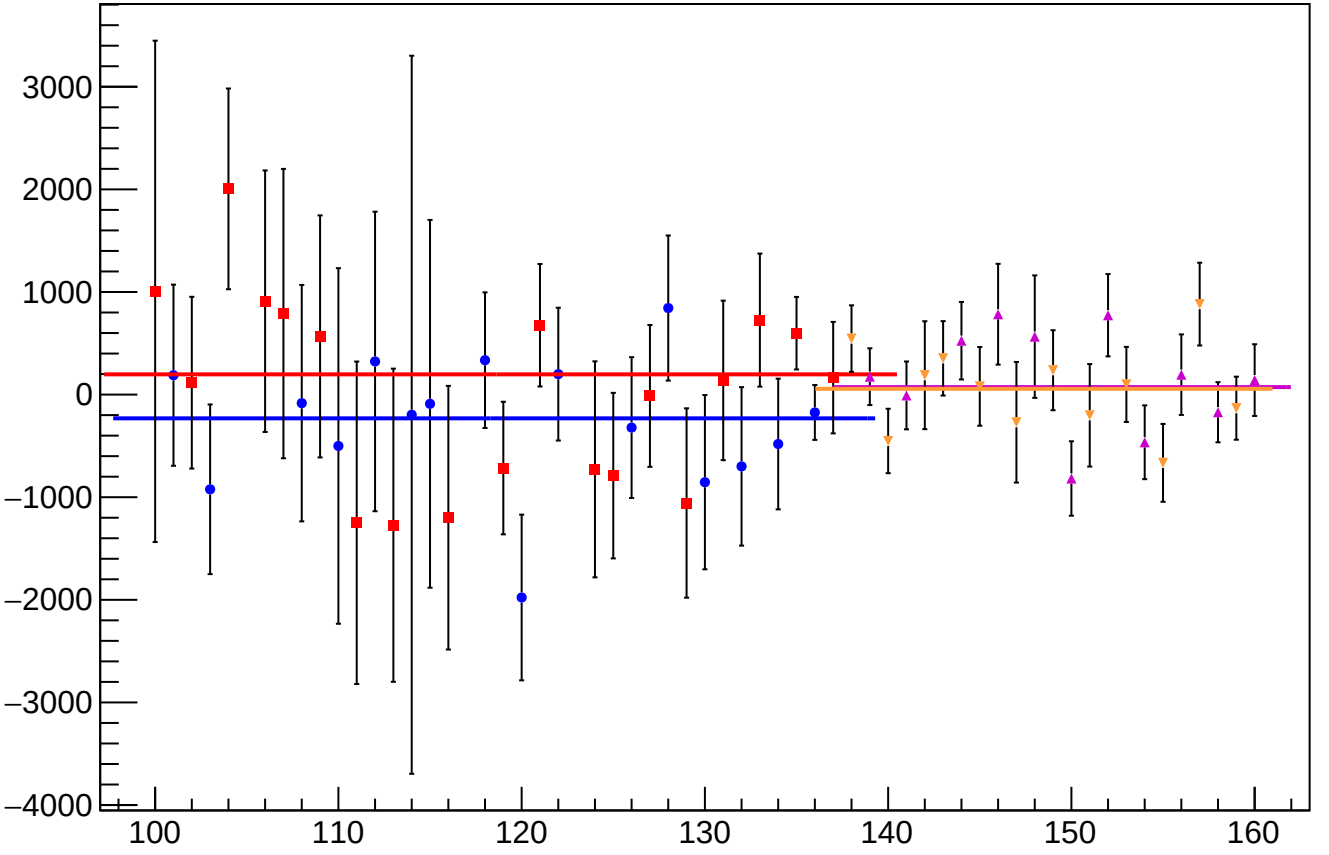
Left In: 81.789+/-0.019 χ^2/NDF:100032.8/10

+ sign 81.221+/-0.014 χ^2/NDF: 1136161.7/27

All: 82.115+/-0.010 χ^2/NDF: 2376966.1/57

- 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: 56.378+/-110.202 χ^2/NDF:14.6/11

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

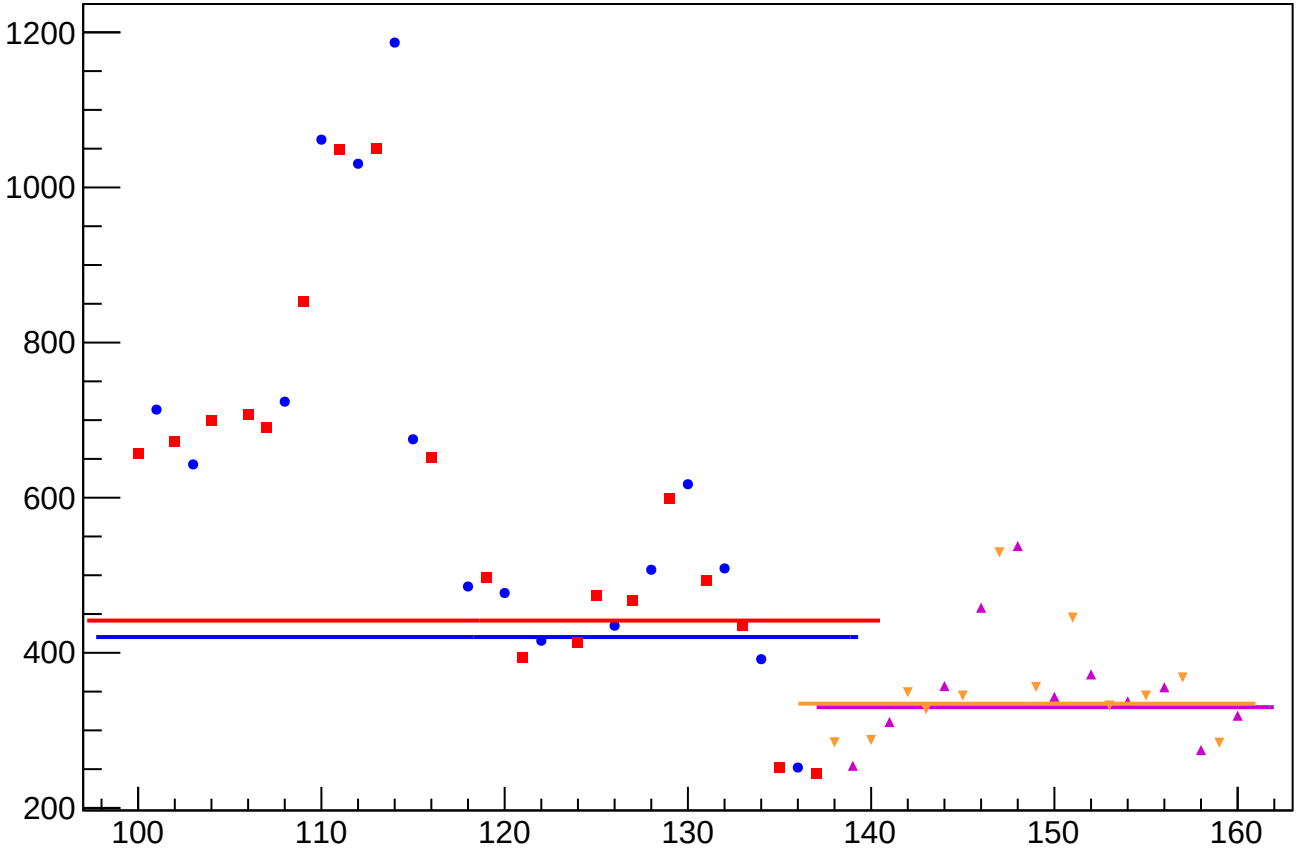
Left In: 72.988+/-109.069 χ^2/NDF:16.5/10

+ sign -28.680+/-92.494 χ^2/NDF: 27.1/27

All: 39.206+/-65.484 χ^2/NDF: 60.9/57

- 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: 334.439+/-0.078 χ^2/NDF:490126.4/11

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

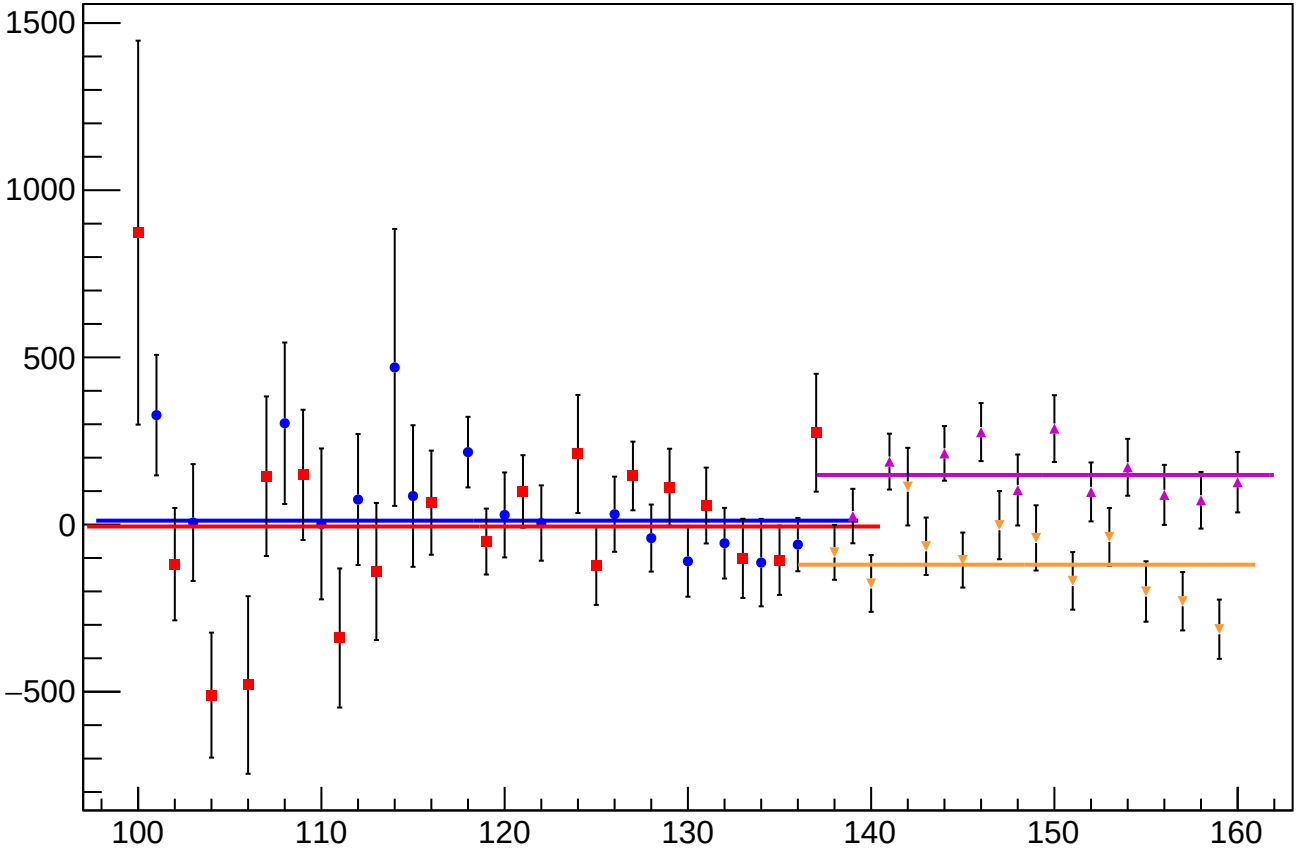
Left In: 329.929+/-0.077 χ^2/NDF:652382.7/10

+ sign 359.825+/-0.065 χ^2/NDF: 3103809.7/27

All: 360.357+/-0.046 χ^2/NDF: 6645207.9/57

- 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: -120.053+/-25.856 χ^2/NDF:15.5/11

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

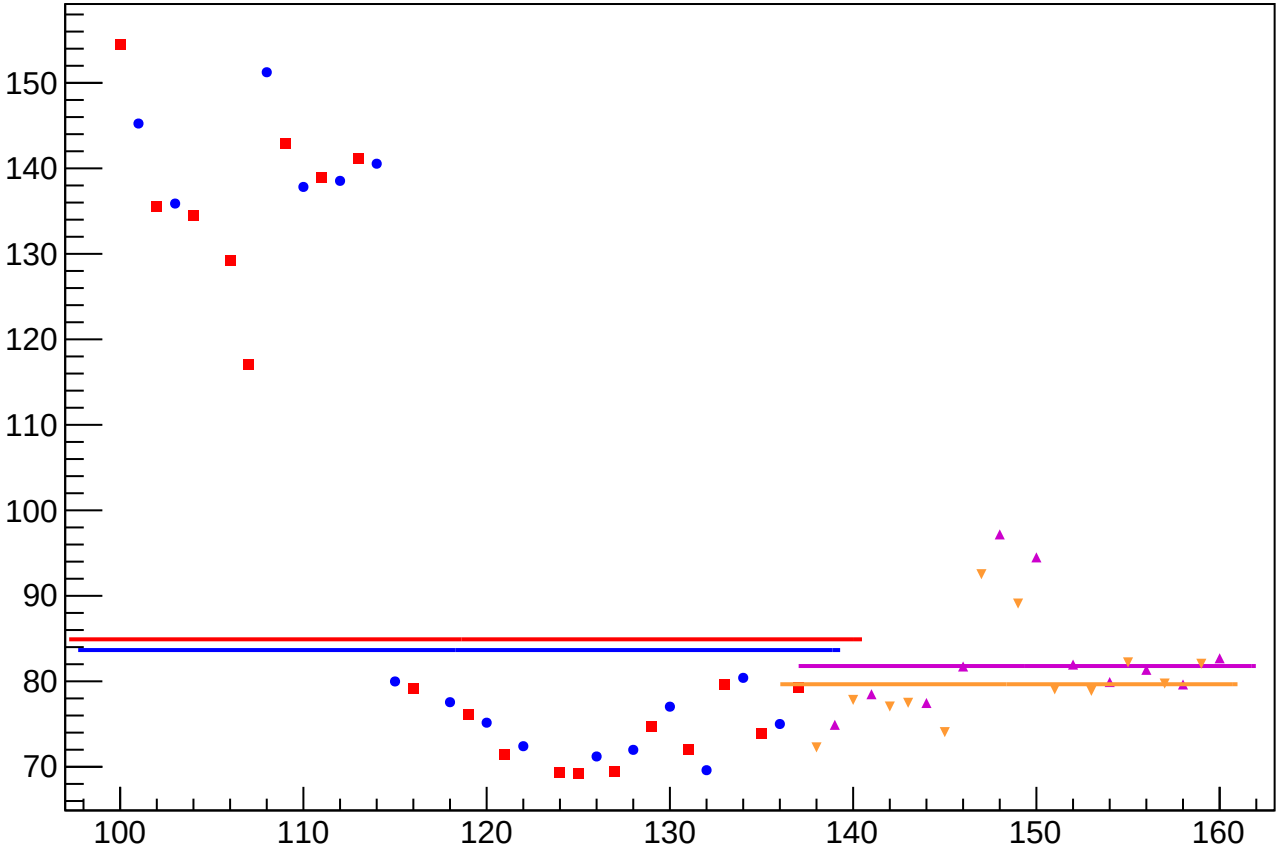
Left In: 148.236+/-26.560 χ^2/NDF:9.1/10

+ sign -68.612+/-20.184 χ^2/NDF: 39.1/27

All: 7.506+/-14.401 χ^2/NDF: 119.5/57

- 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: 79.659+/-0.018 χ^2/NDF:82691.2/11

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

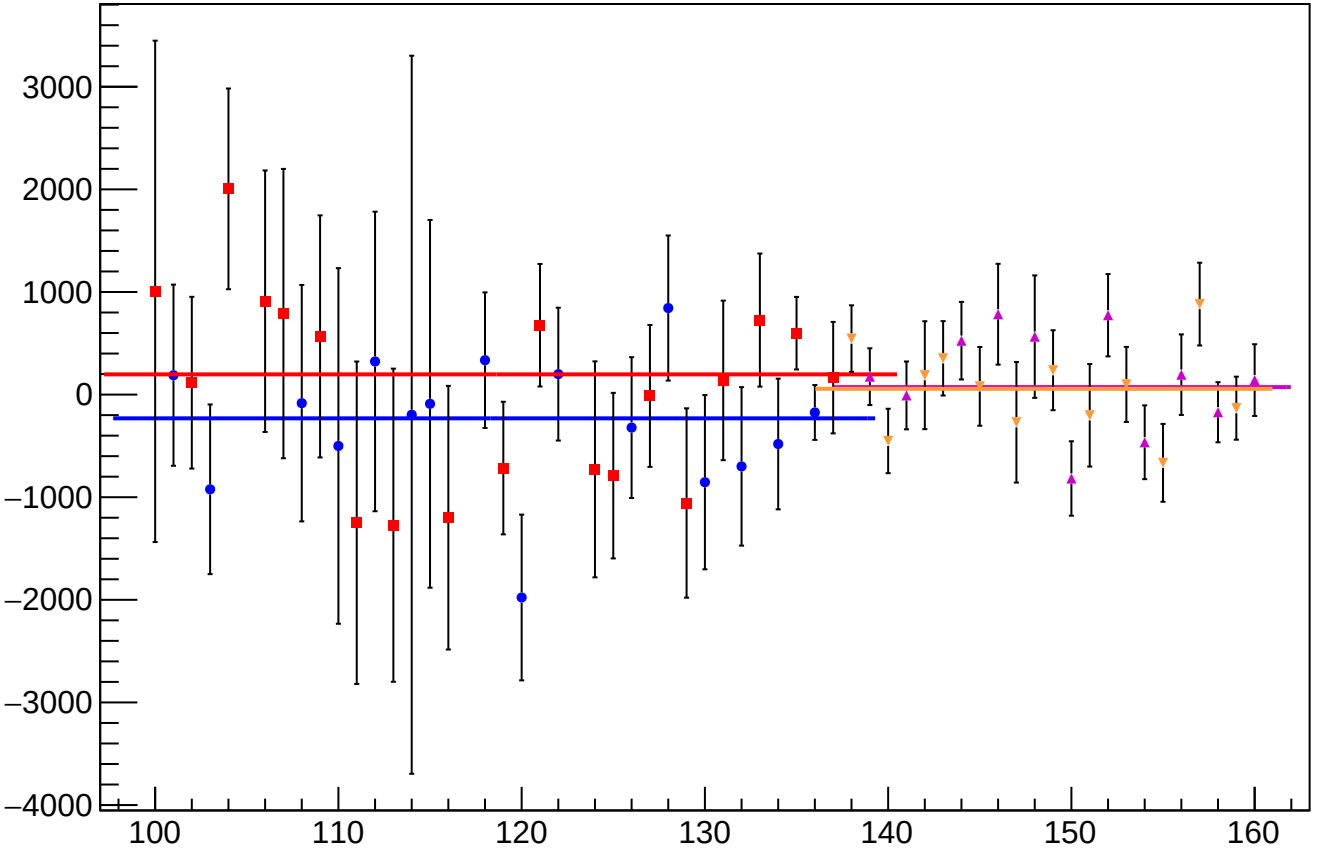
Left In: 81.789+/-0.019 χ^2/NDF:100032.0/10

+ sign 81.221+/-0.014 χ^2/NDF: 1136160.2/27

All: 82.115+/-0.010 χ^2/NDF: 2376962.1/57

- 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: 56.378+/-110.202 χ^2/NDF:14.6/11

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

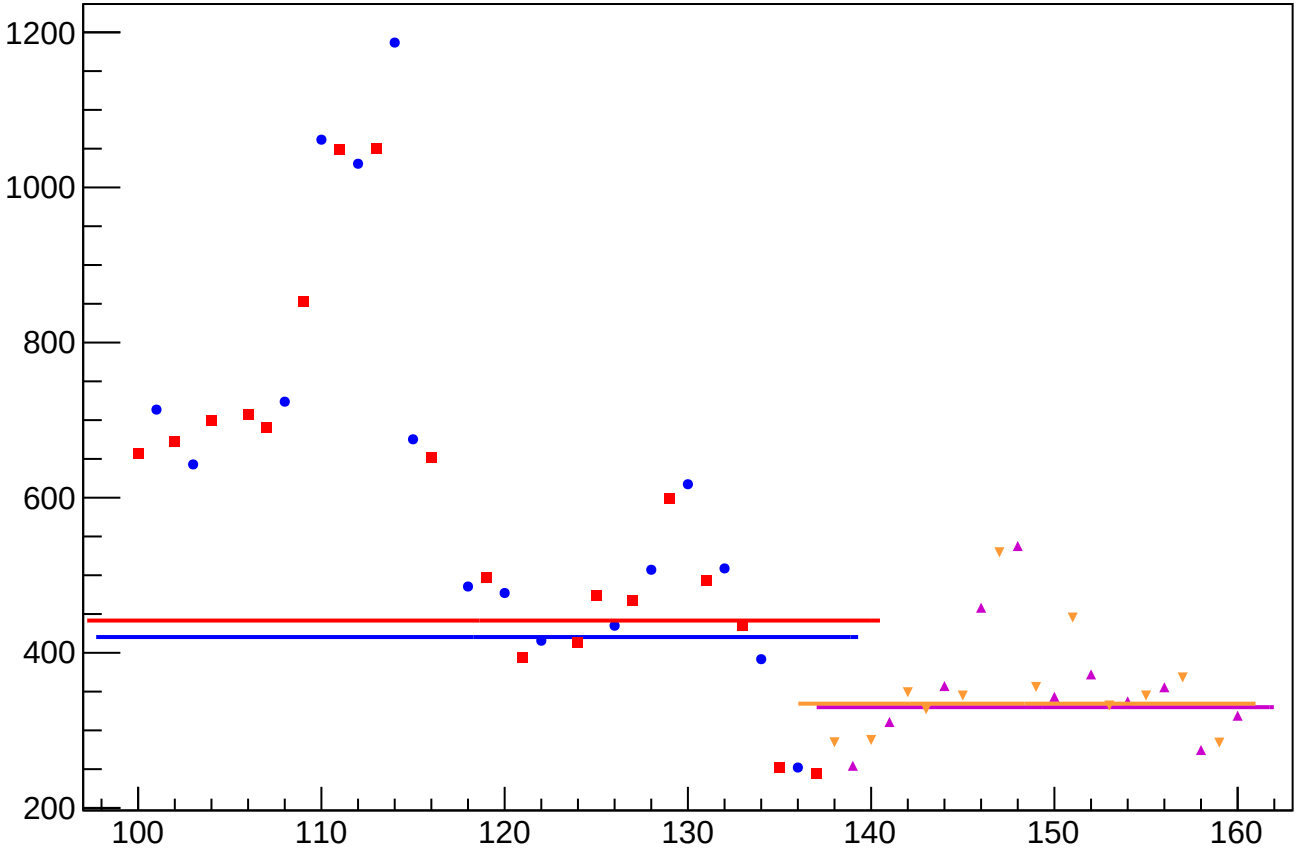
Left In: 72.989+/-109.069 χ^2/NDF:16.5/10

\+ sign -28.679+/-92.494 χ^2/NDF: 27.1/27

All: 39.207+/-65.484 χ^2/NDF: 60.9/57

\- 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: 334.439+/-0.078 χ^2/NDF:490126.8/11

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

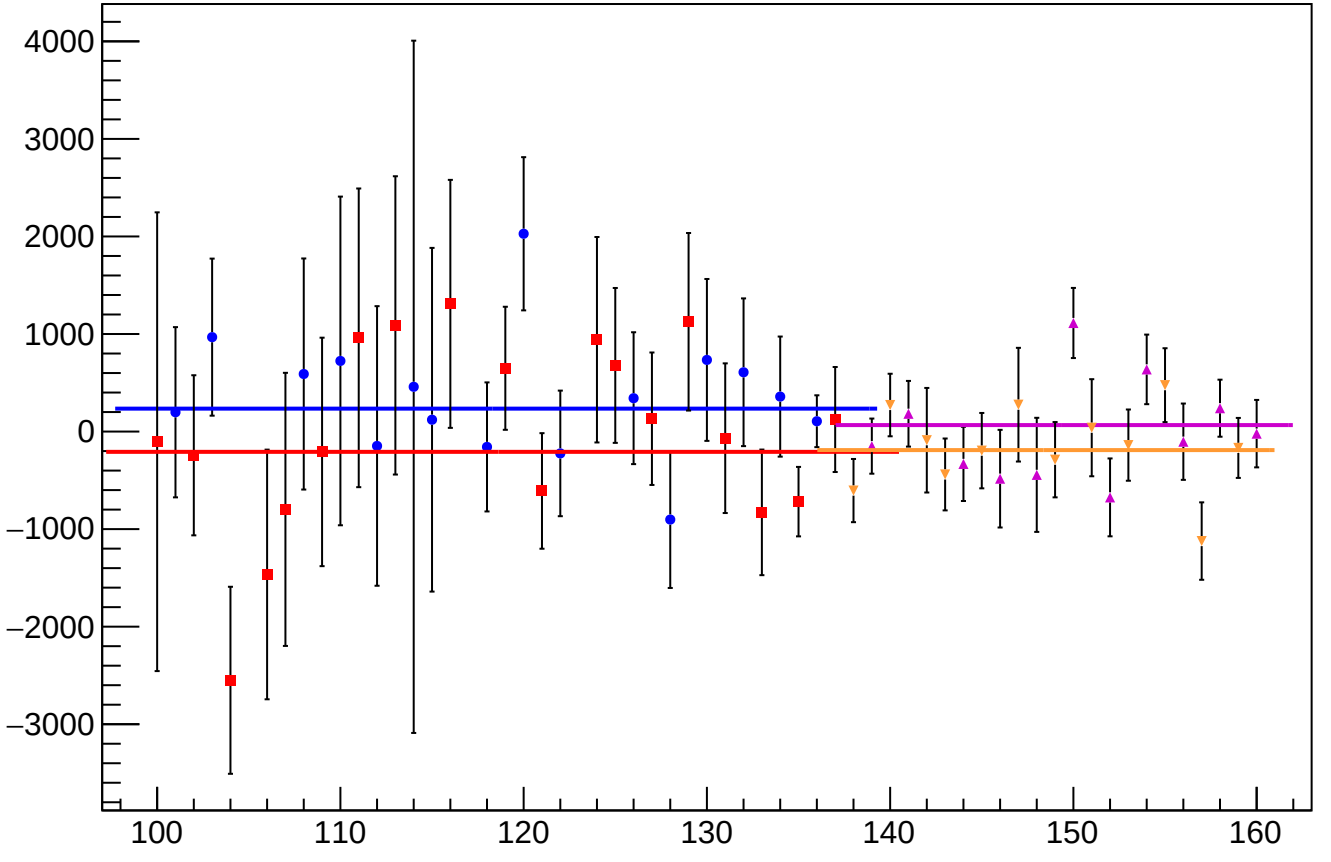
Left In: 329.928+/-0.077 χ^2/NDF:652384.4/10

+ sign 359.825+/-0.065 χ^2/NDF: 3103811.6/27

All: 360.356+/-0.046 χ^2/NDF: 6645212.6/57

- 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: -190.007+/-110.495 χ^2/NDF:13.8/11

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

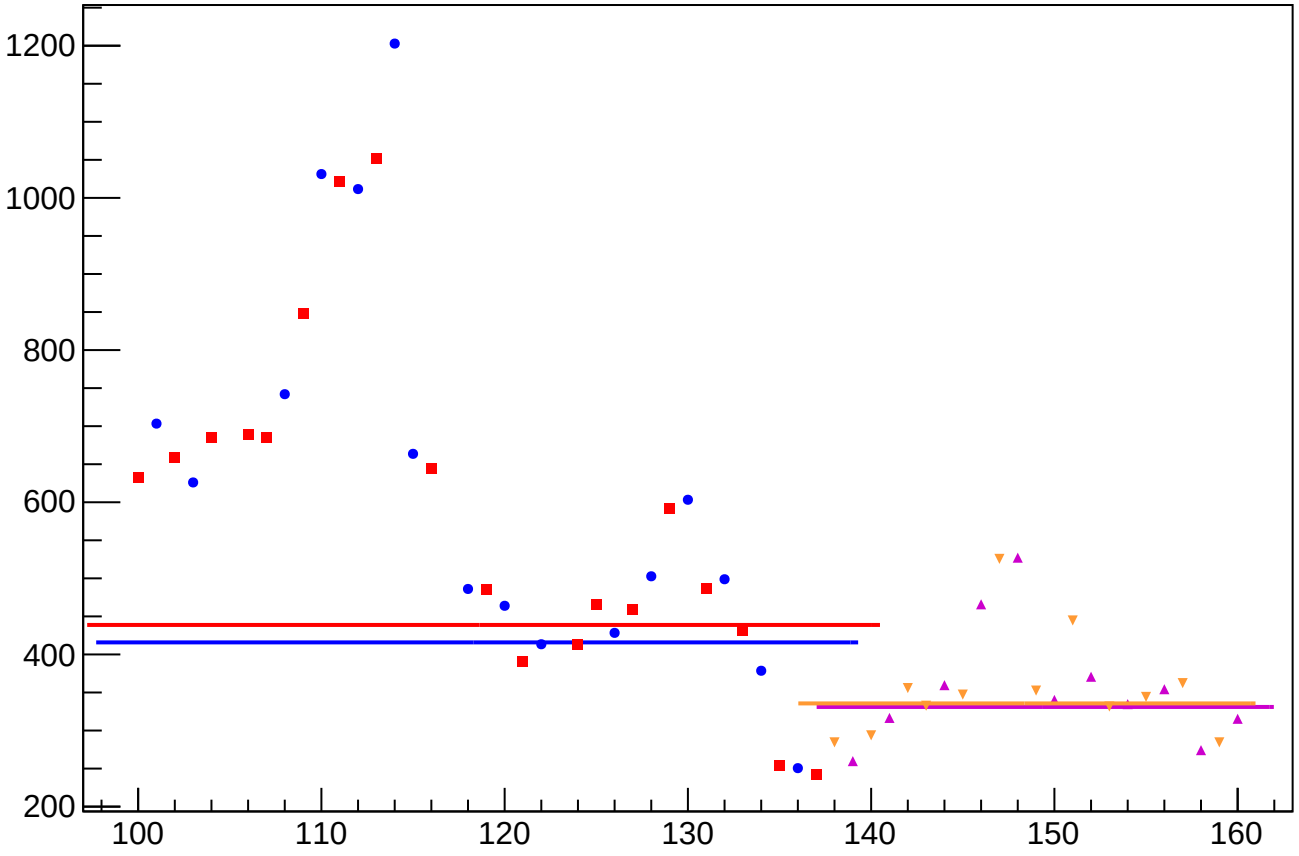
Left In: 66.415+/-109.335 χ^2/NDF:18.9/10

\+ sign -61.869+/-92.350 χ^2/NDF: 28.9/27

All: -36.421+/-65.419 χ^2/NDF: 70.1/57

\- 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: 335.637+/-0.078 χ^2/NDF:466927.0/11

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

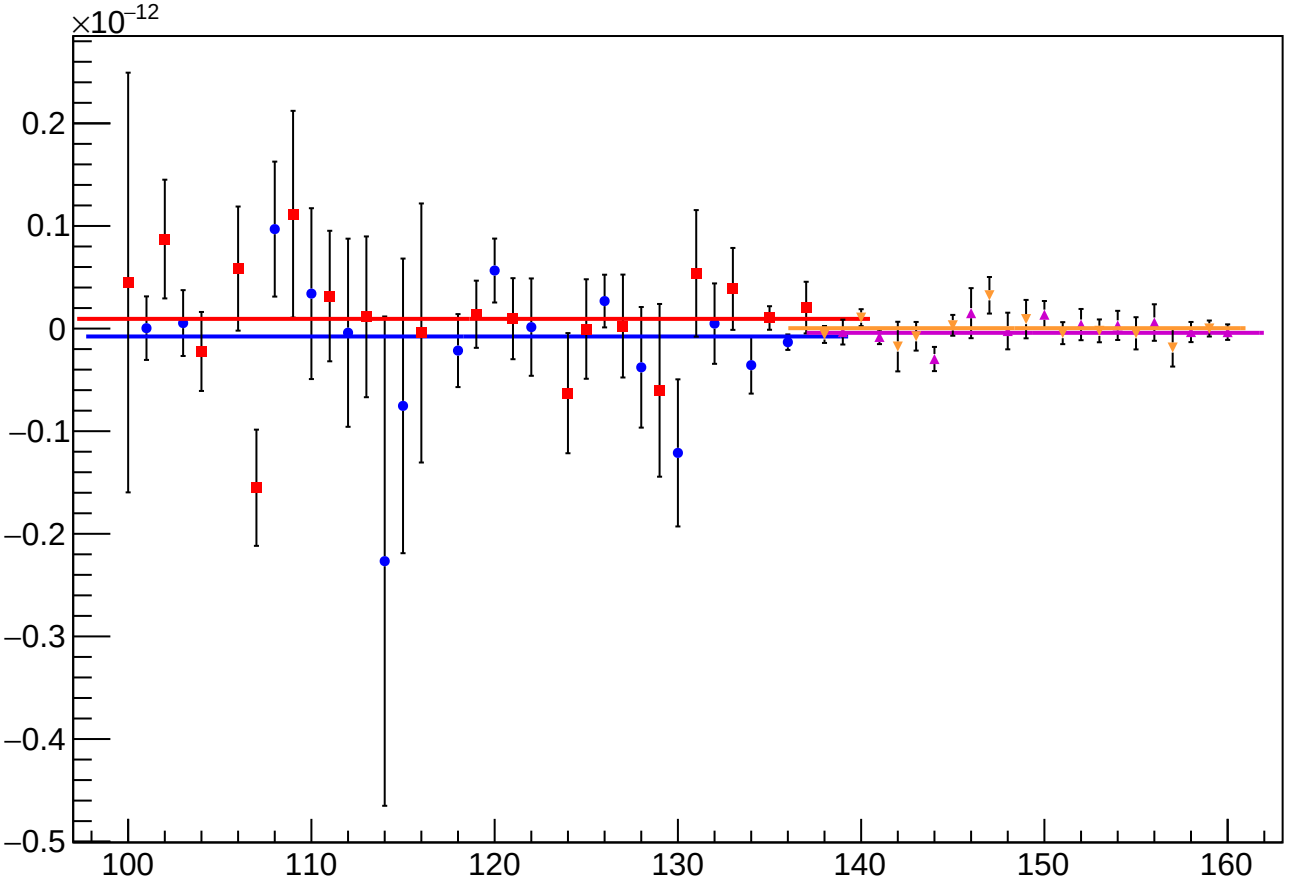
Left In: 331.002+/-0.077 χ^2/NDF:620232.3/10

+ sign 359.815+/-0.065 χ^2/NDF: 3008530.4/27

All: 360.569+/-0.046 χ^2/NDF: 6410642.5/57

- sign 361.329+/-0.066 χ^2/NDF: 3401844.0/29

asym_sam1_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:7.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

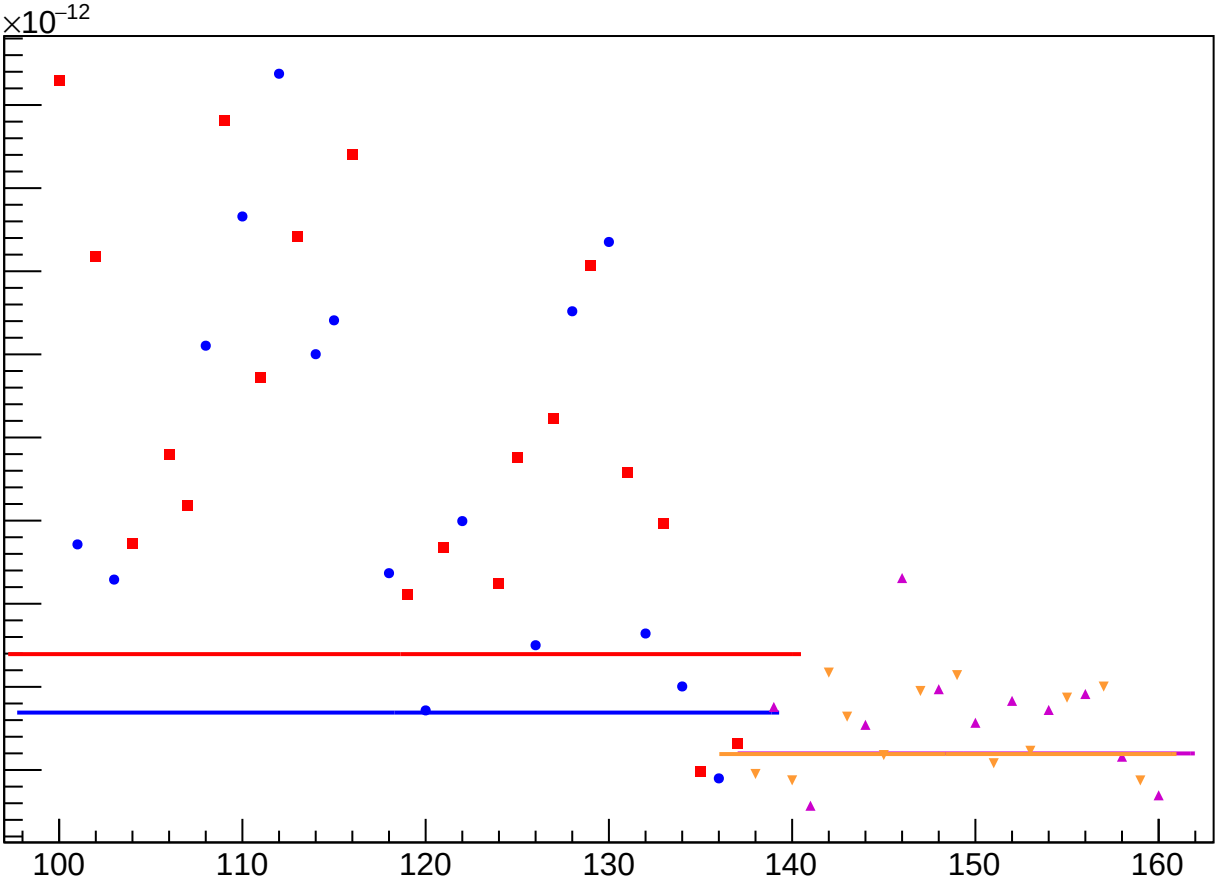
Left In: -0.000+/-0.000 χ^2/NDF:8.3/10

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/27

All: -0.000+/-0.000 χ^2/NDF: 51.0/57

- 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:748084.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

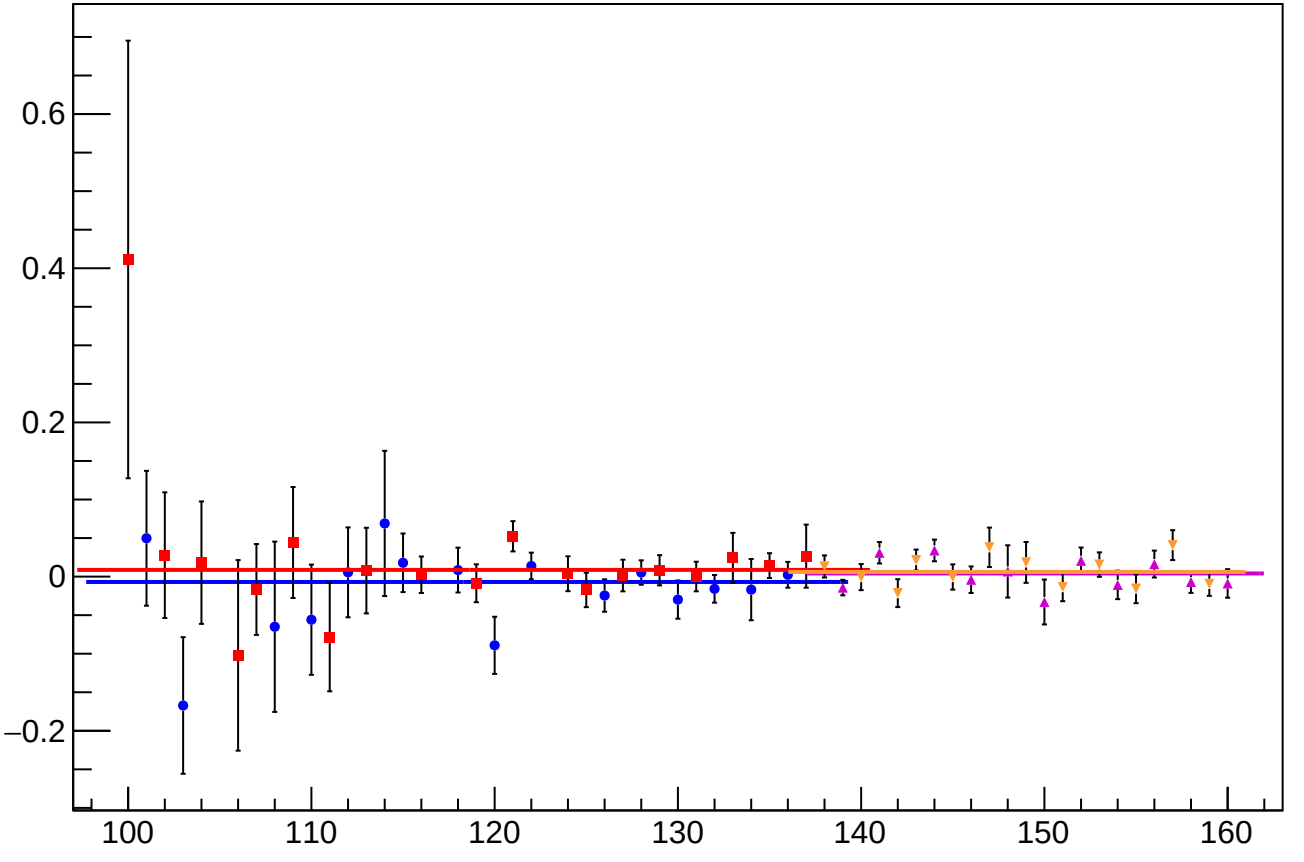
Left In: 0.000+/-0.000 χ^2/NDF:1513316.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 3759238.8/27

All: 0.000+/-0.000 χ^2/NDF: 8960964.6/57

- 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: 0.006+/-0.005 χ^2/NDF:13.0/11

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

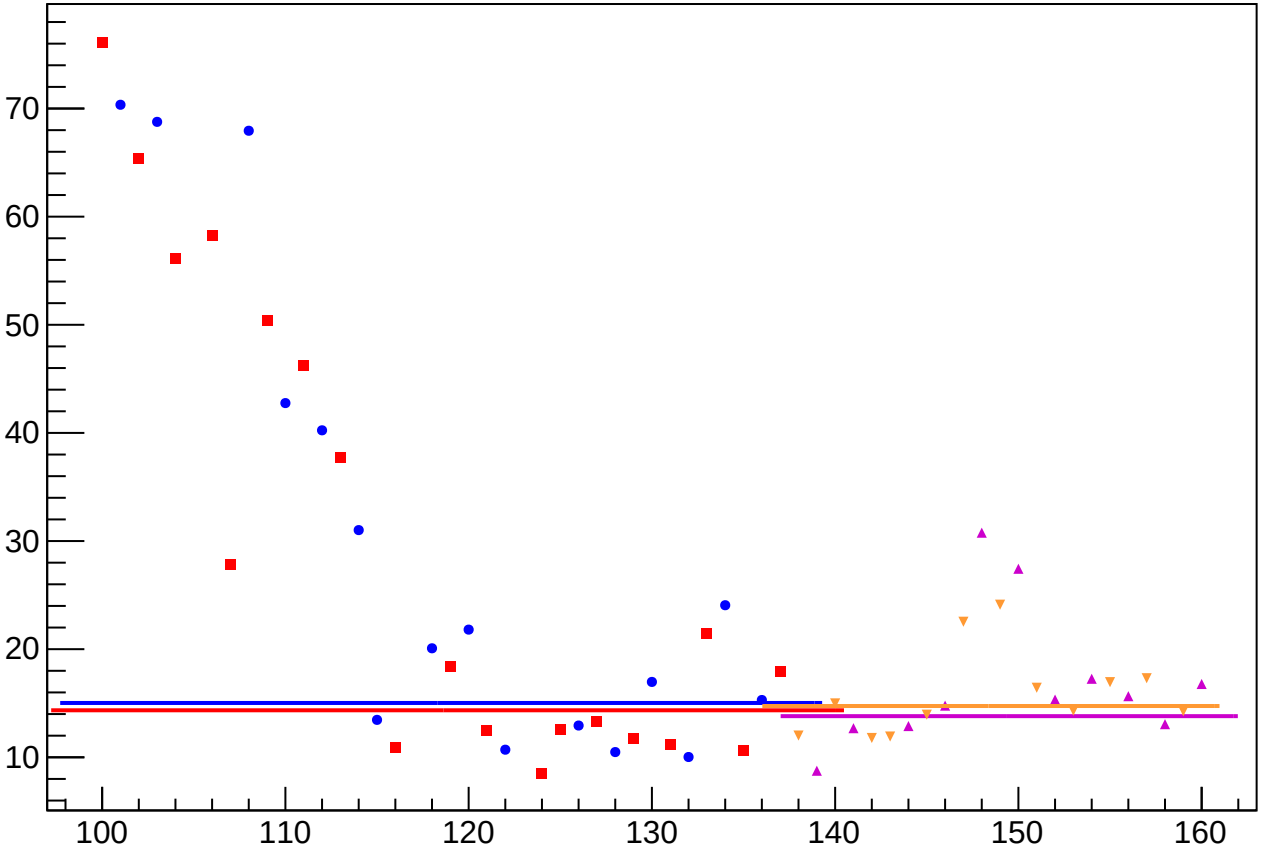
Left In: 0.004+/-0.005 χ^2/NDF:16.6/10

+ sign 0.001+/-0.004 χ^2/NDF: 30.3/27

All: 0.004+/-0.003 χ^2/NDF: 60.5/57

- sign 0.006+/-0.004 χ^2/NDF: 29.6/29

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.744+/-0.004 χ^2/NDF:736588.5/11

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

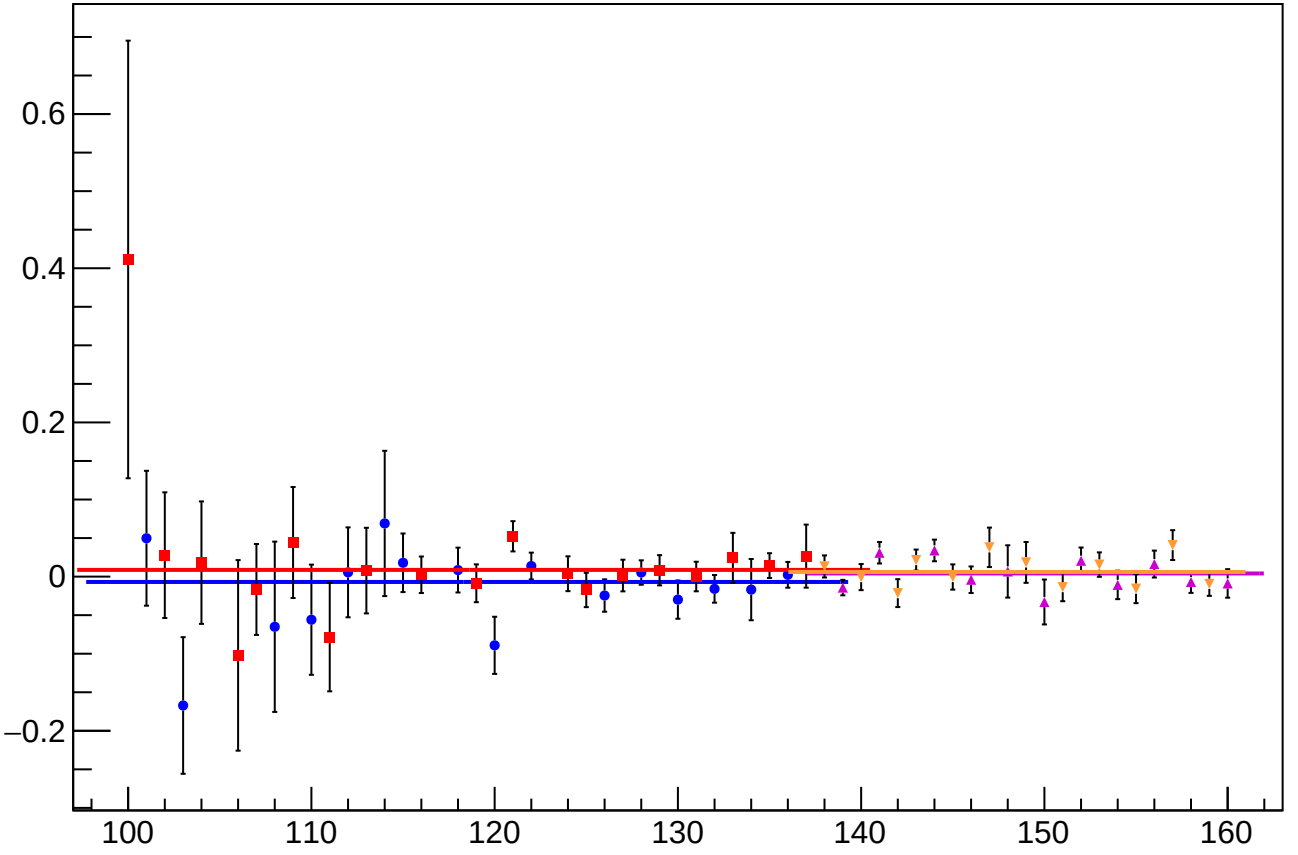
Left In: 13.806+/-0.003 χ^2/NDF:1637031.9/10

+ sign 14.844+/-0.003 χ^2/NDF: 4177114.3/27

All: 14.406+/-0.002 χ^2/NDF: 9498154.1/57

- sign 14.003+/-0.003 χ^2/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: 0.006+/-0.005 χ^2/NDF:13.0/11

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

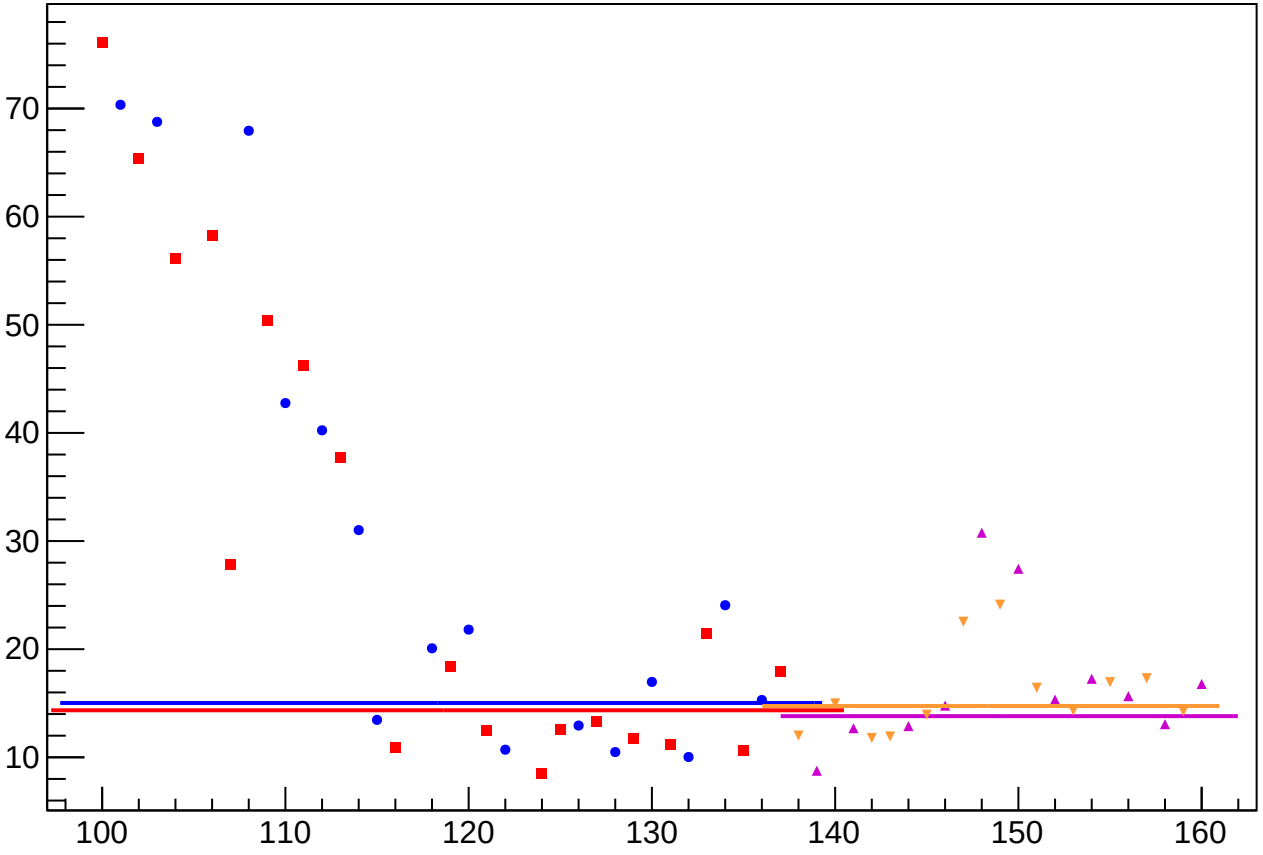
Left In: 0.004+/-0.005 χ^2/NDF:16.6/10

+ sign 0.001+/-0.004 χ^2/NDF: 30.3/27

All: 0.004+/-0.003 χ^2/NDF: 60.5/57

- 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: 14.744+/-0.004 χ^2/NDF:736588.5/11

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

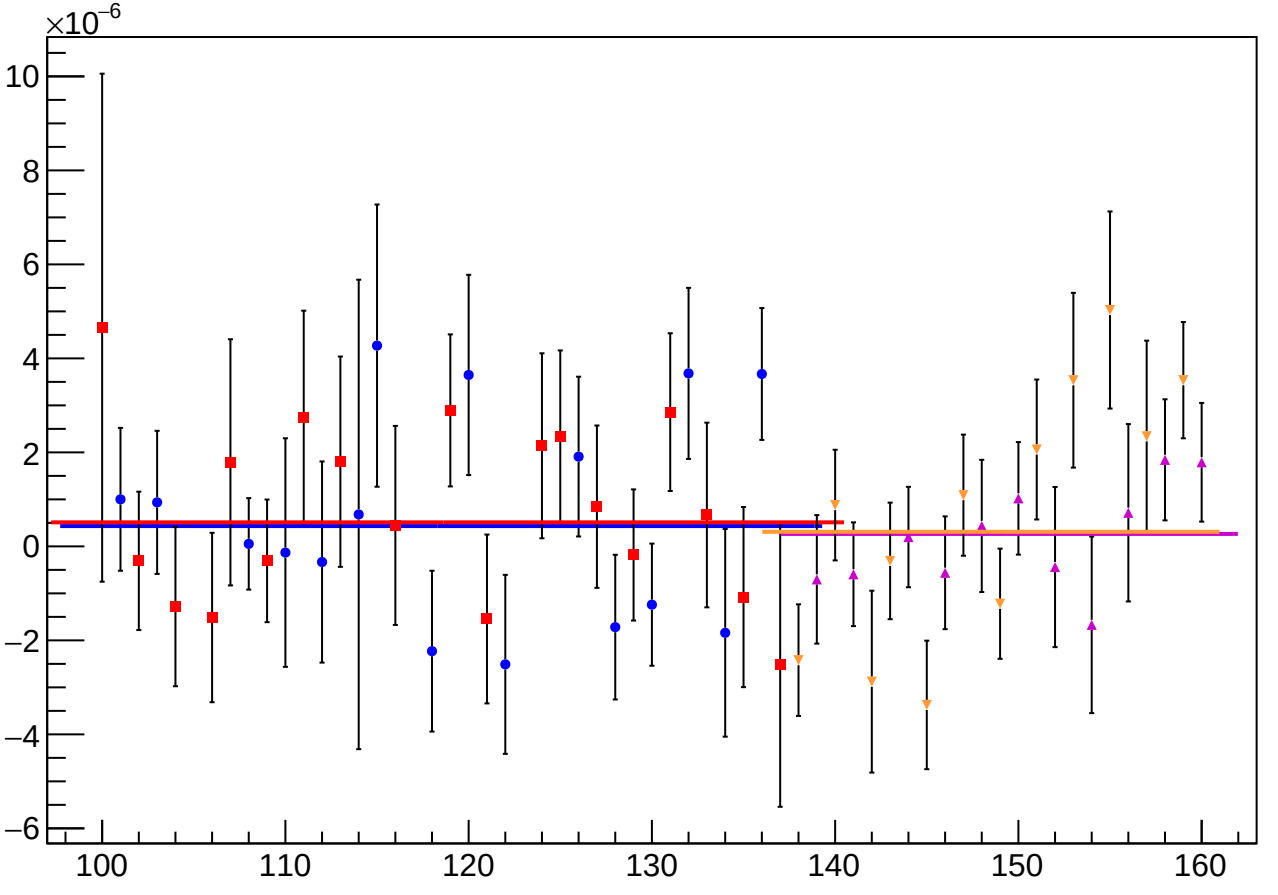
Left In: 13.806+/-0.003 χ^2/NDF:1637031.9/10

+ sign 14.844+/-0.003 χ^2/NDF: 4177114.3/27

All: 14.406+/-0.002 χ^2/NDF: 9498154.1/57

- sign 14.003+/-0.003 χ^2/NDF: 5275235.0/29

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.1/11

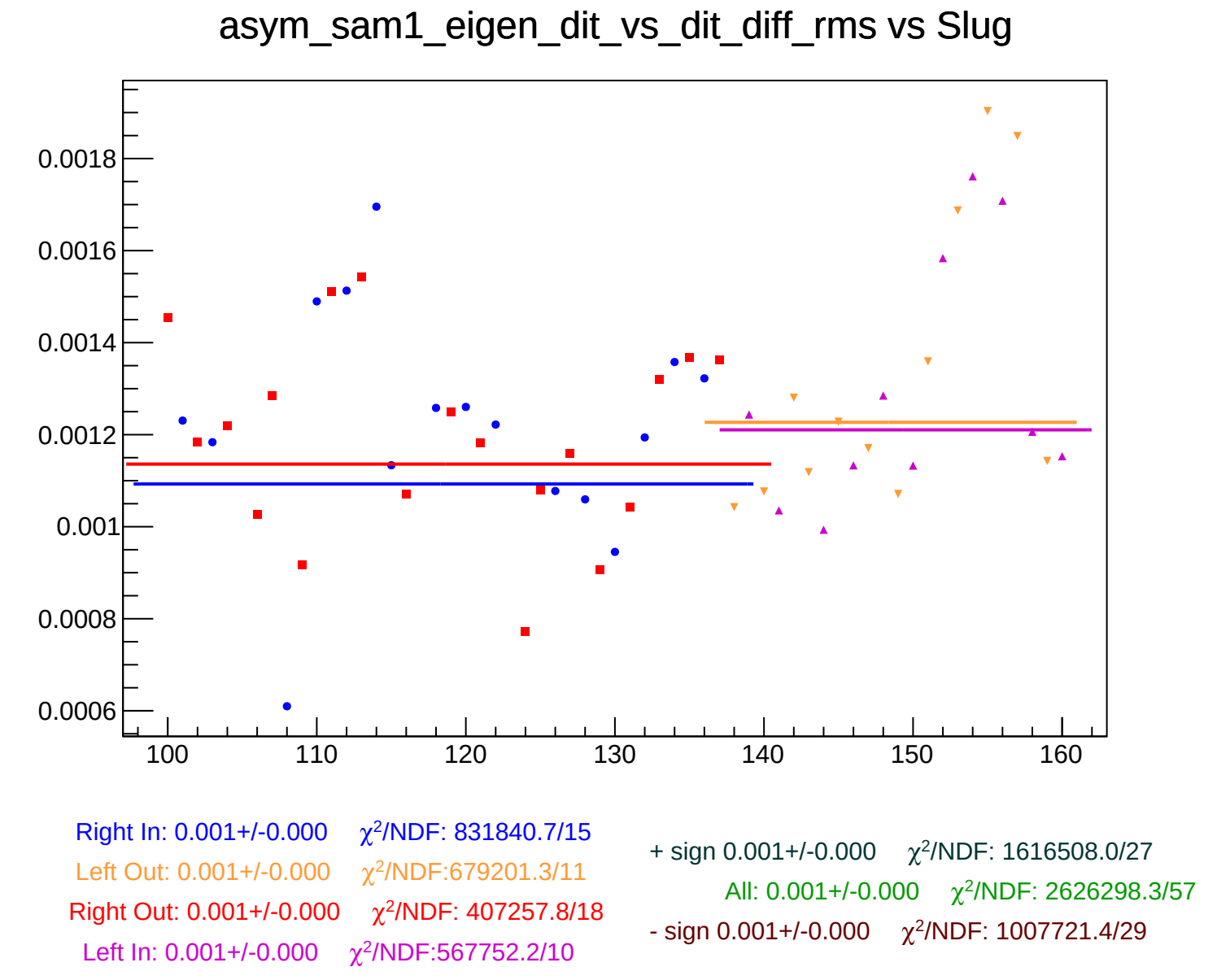
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/10

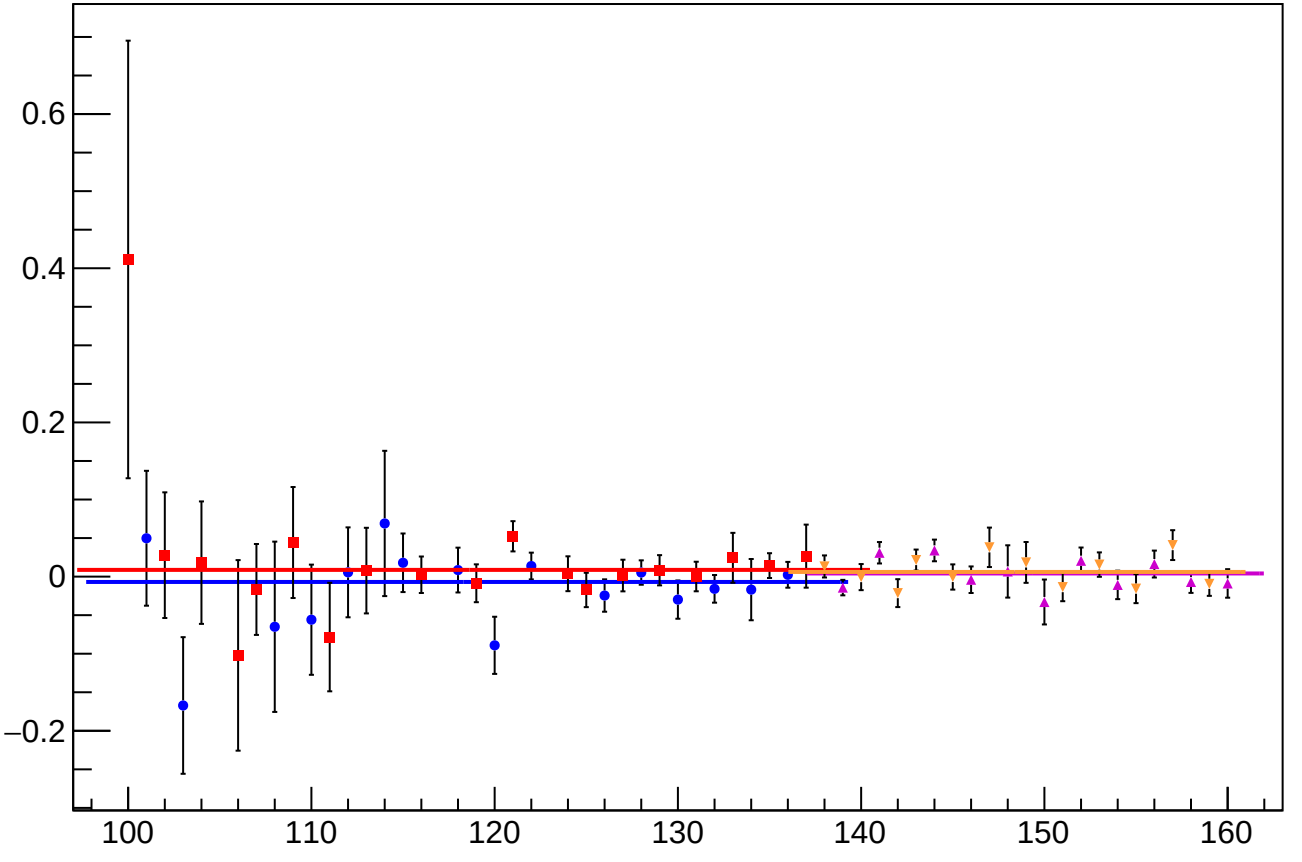
+ sign 0.000+/-0.000 χ^2/NDF: 58.3/27

All: 0.000+/-0.000 χ^2/NDF: 79.1/57

- 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:679201.3/11
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: 1616508.0/27
All: 0.001+/-0.000 χ²/NDF: 2626298.3/57
- 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: 0.006+/-0.005 χ^2/NDF:13.0/11

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

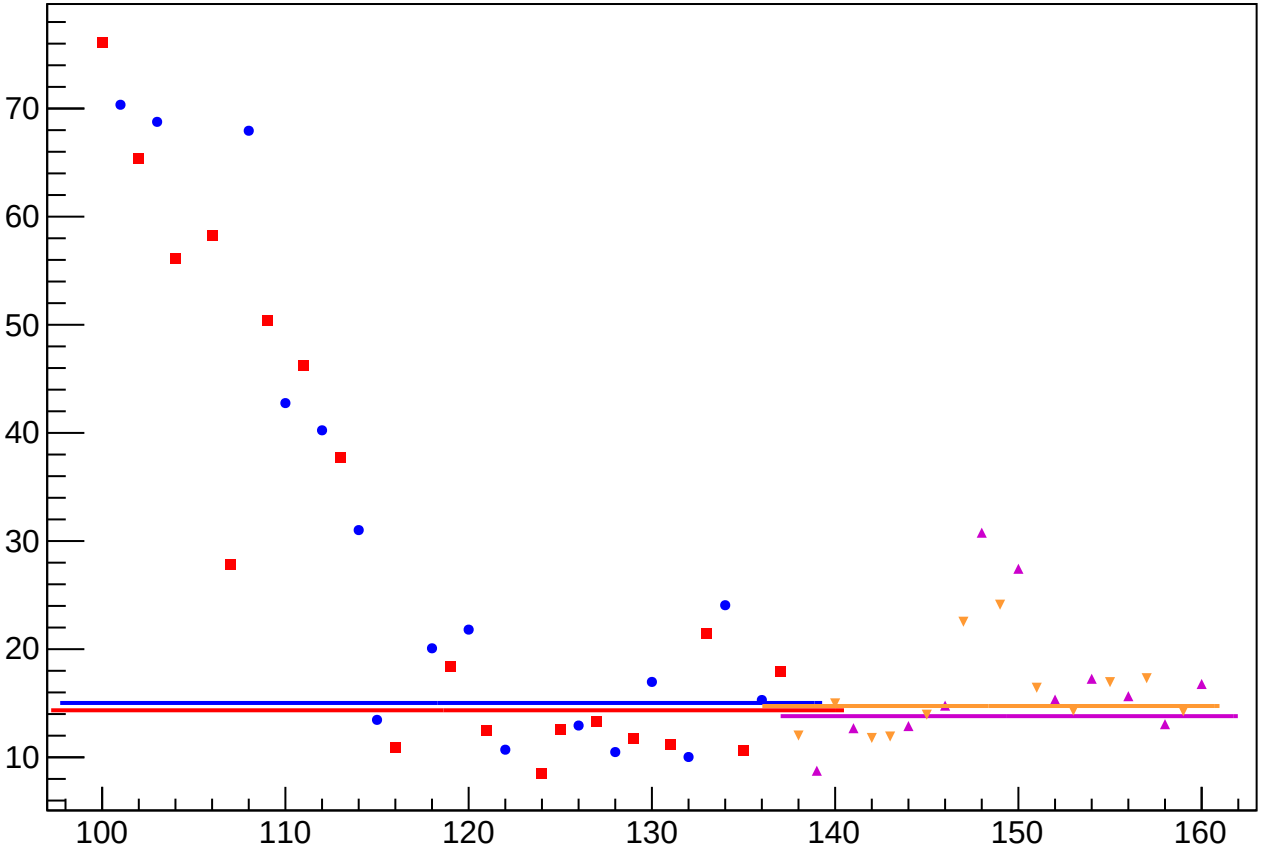
Left In: 0.004+/-0.005 χ^2/NDF:16.6/10

+ sign 0.001+/-0.004 χ^2/NDF: 30.3/27

All: 0.004+/-0.003 χ^2/NDF: 60.5/57

- 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: 14.743+/-0.004 χ^2/NDF:736595.0/11

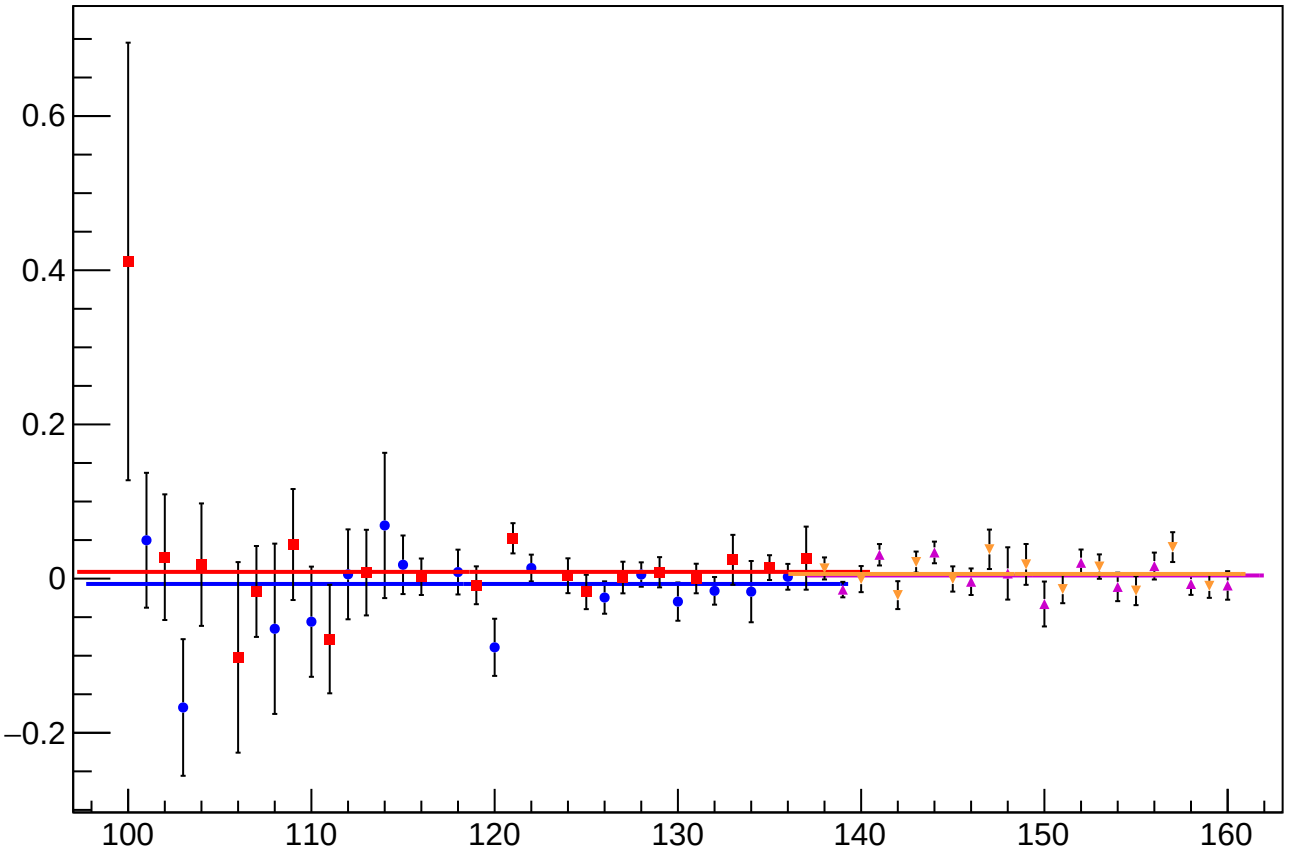
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.806+/-0.003 χ^2/NDF:1637069.8/10

+ sign 14.843+/-0.003 χ^2/NDF: 4177135.5/27

All: 14.405+/-0.002 χ^2/NDF: 9498205.2/57

- 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: 0.006+/-0.005 χ^2/NDF:13.0/11

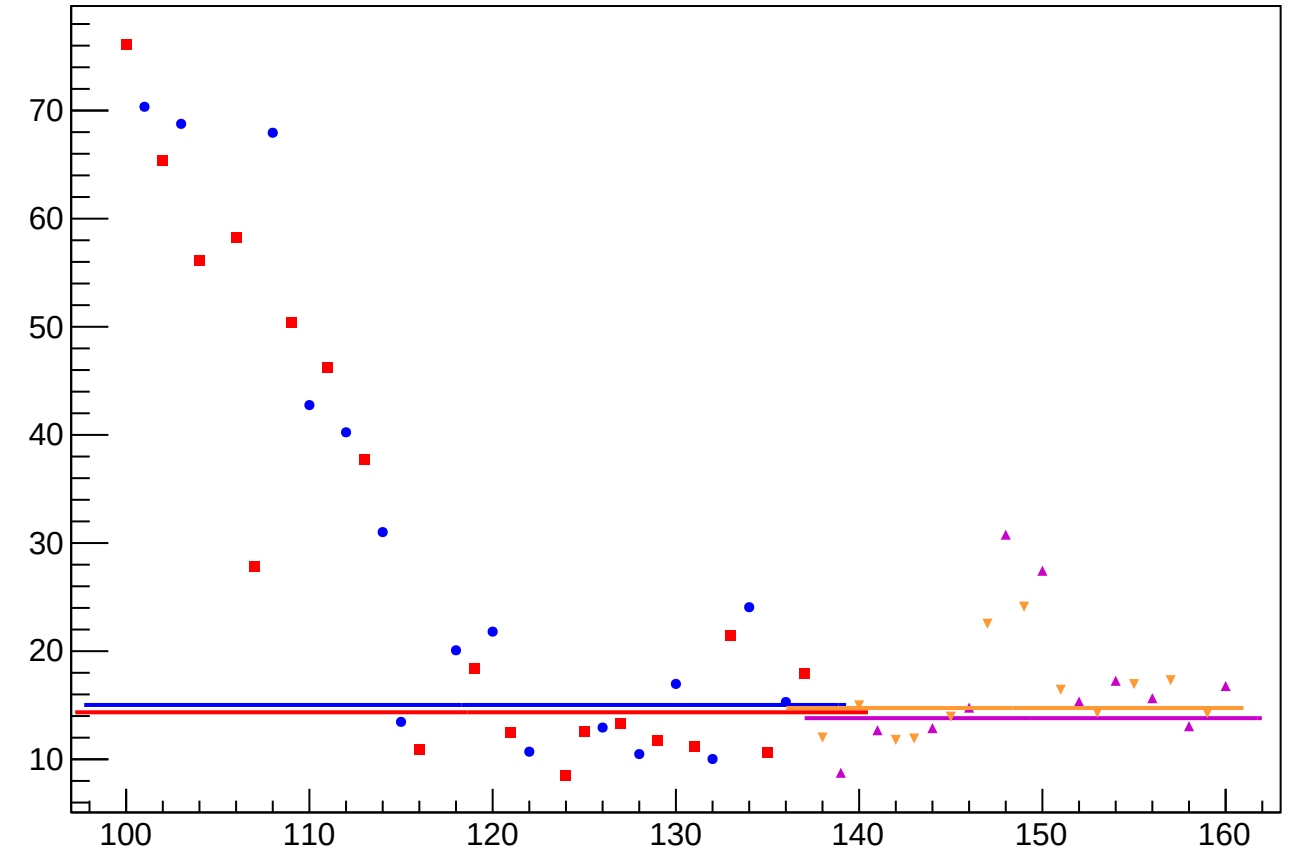
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.004+/-0.005 χ^2/NDF:16.6/10

+ sign 0.001+/-0.004 χ^2/NDF: 30.3/27

All: 0.004+/-0.003 χ^2/NDF: 60.5/57

- 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: 14.743+/-0.004 χ^2/NDF:736595.0/11

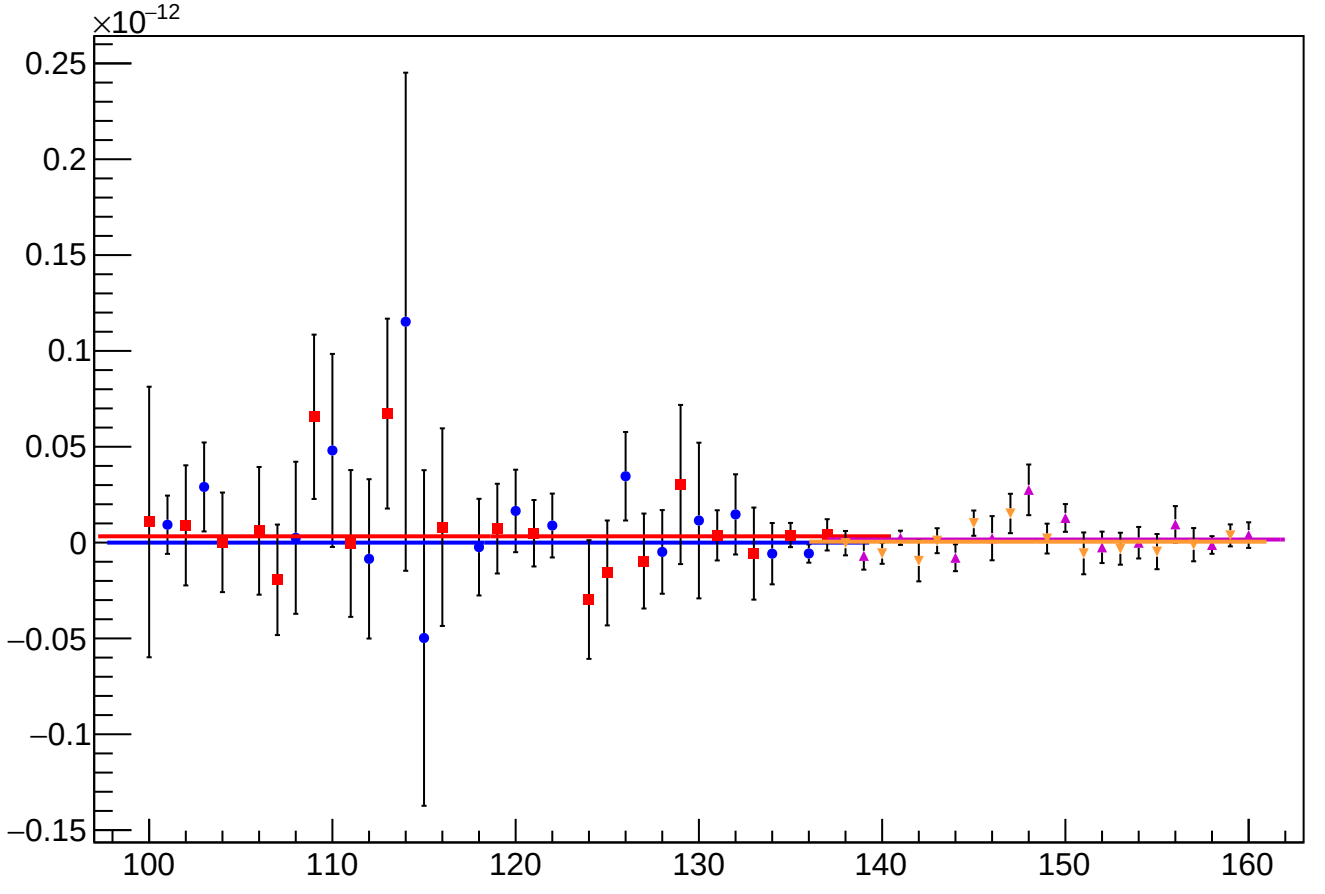
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.806+/-0.003 χ^2/NDF:1637069.8/10

+ sign 14.843+/-0.003 χ^2/NDF: 4177135.5/27

All: 14.405+/-0.002 χ^2/NDF: 9498205.2/57

- 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:7.6/11

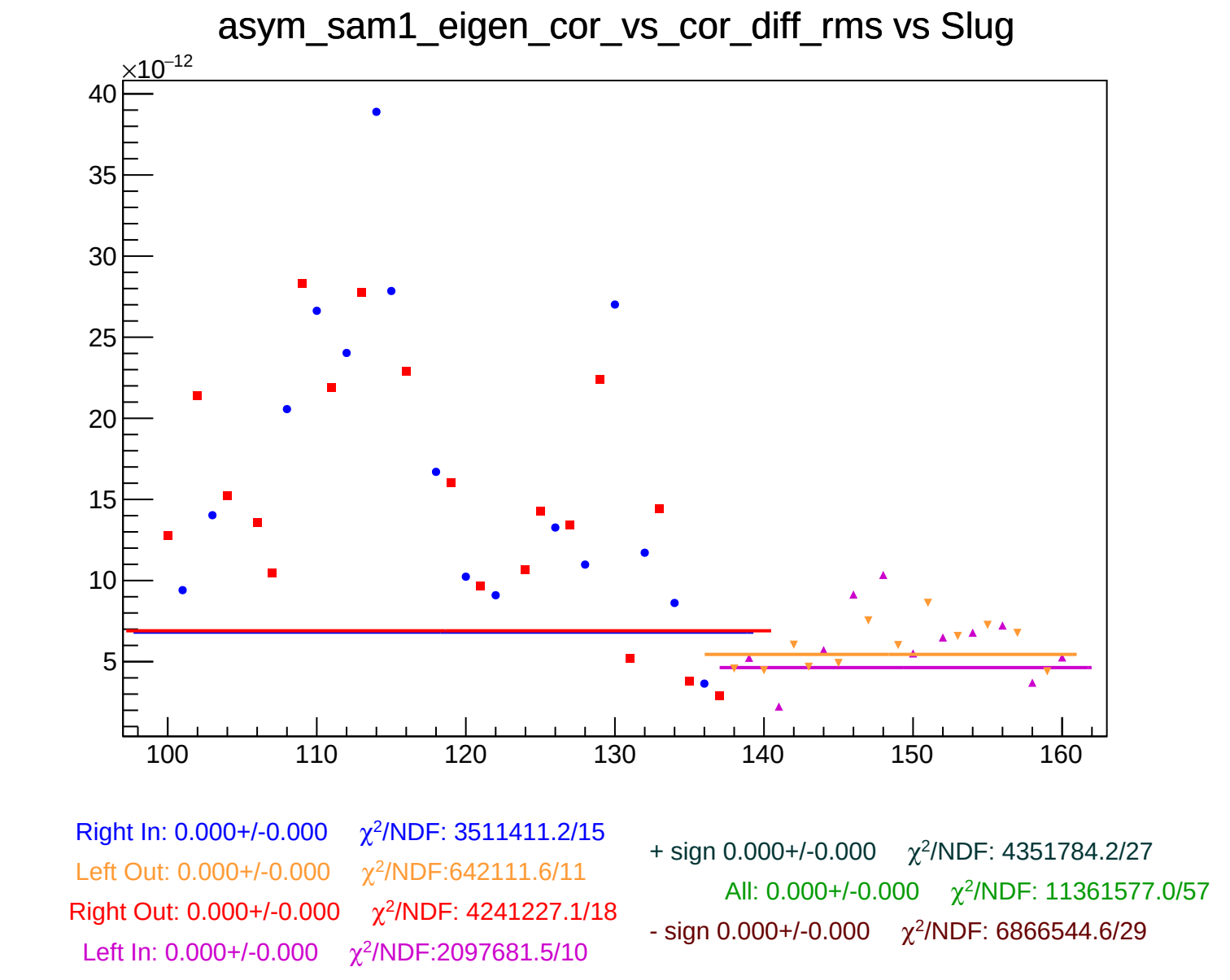
Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/10

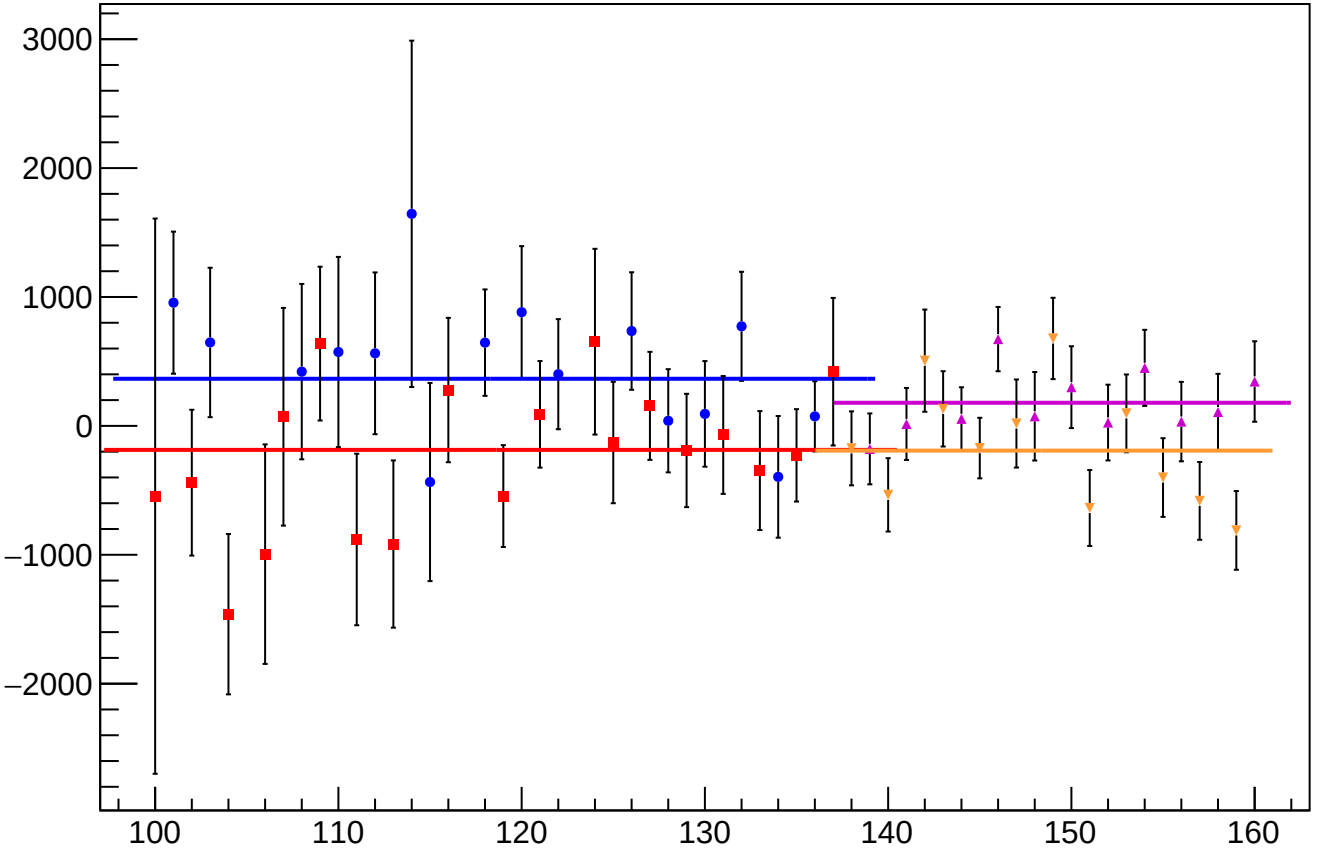
+ sign 0.000+/-0.000 χ^2/NDF: 16.9/27

All: 0.000+/-0.000 χ^2/NDF: 35.5/57

- 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:642111.6/11
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: 4351784.2/27
All: 0.000+/-0.000 χ²/NDF: 11361577.0/57
- 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: -191.941+/-86.305 χ^2/NDF:23.2/11

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

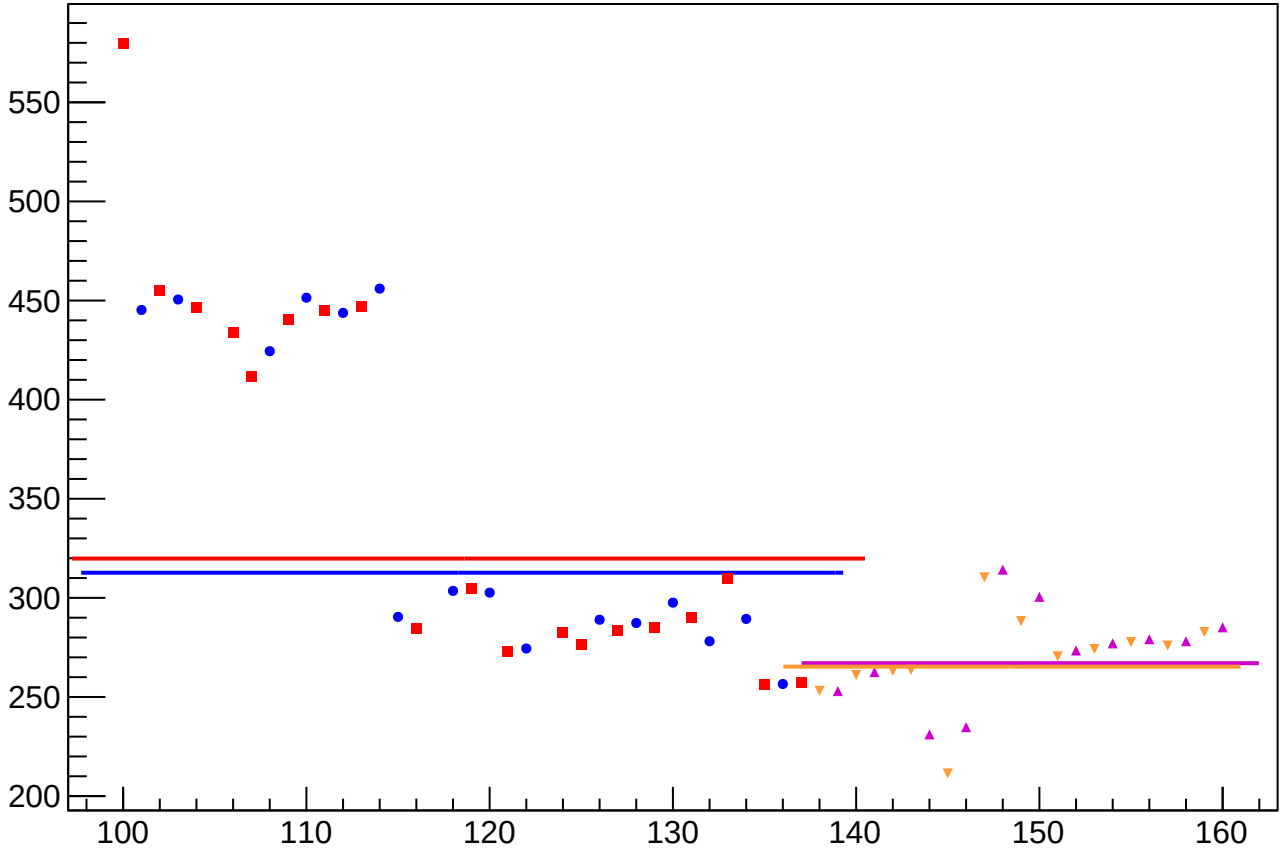
Left In: 179.403+/-86.892 χ^2/NDF:8.1/10

+ sign 0.486+/-69.839 χ^2/NDF: 49.1/27

All: 26.986+/-49.587 χ^2/NDF: 78.6/57

- 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: 265.305+/-0.061 χ^2/NDF:169401.8/11

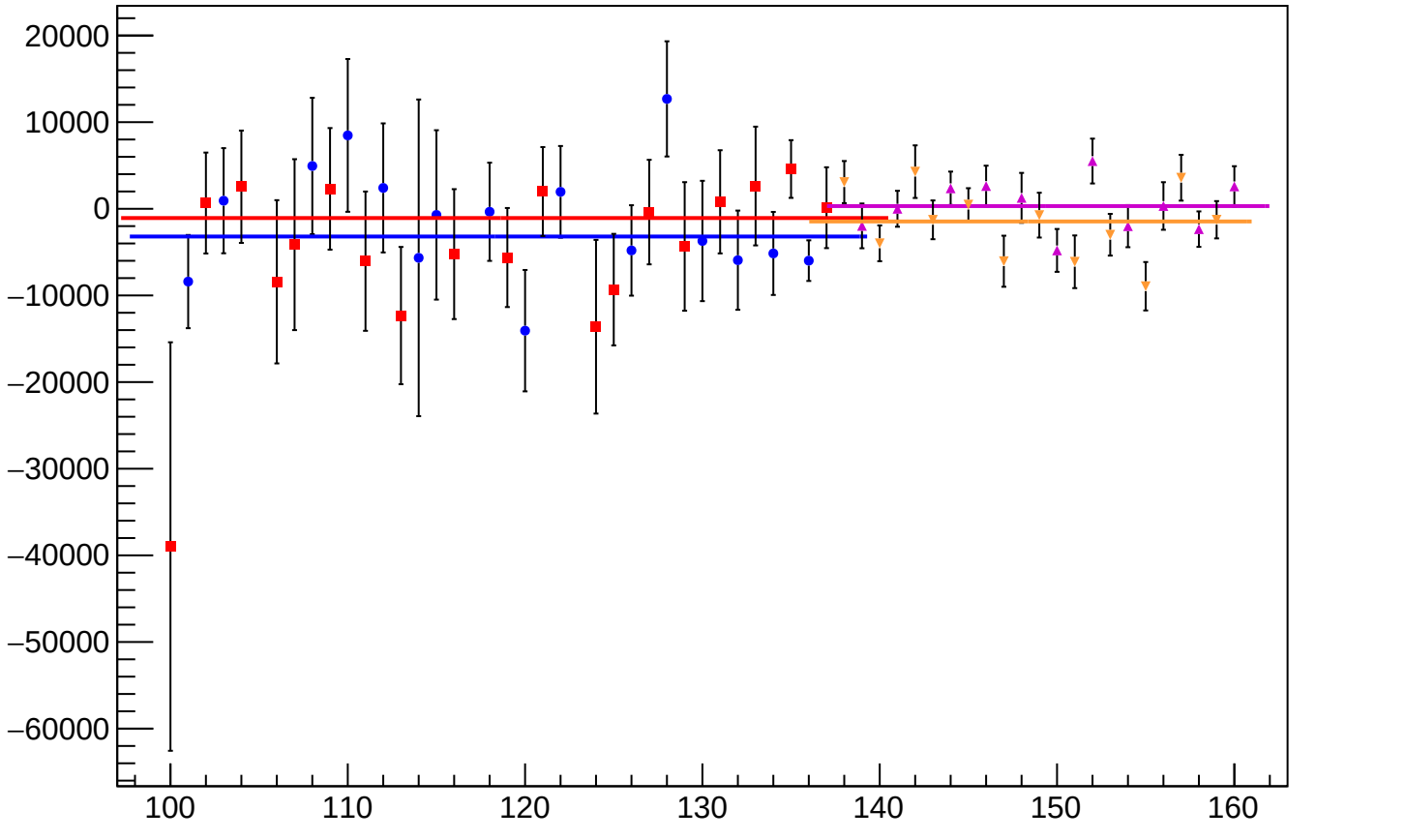
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 267.055+/-0.061 χ^2/NDF:158144.1/10

+ sign 281.659+/-0.049 χ^2/NDF: 979643.1/27

All: 283.402+/-0.035 χ^2/NDF: 2091538.5/57

- sign 285.174+/-0.050 χ^2/NDF: 1109382.4/29



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1459.982+/-703.126 χ^2/NDF:25.7/11

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

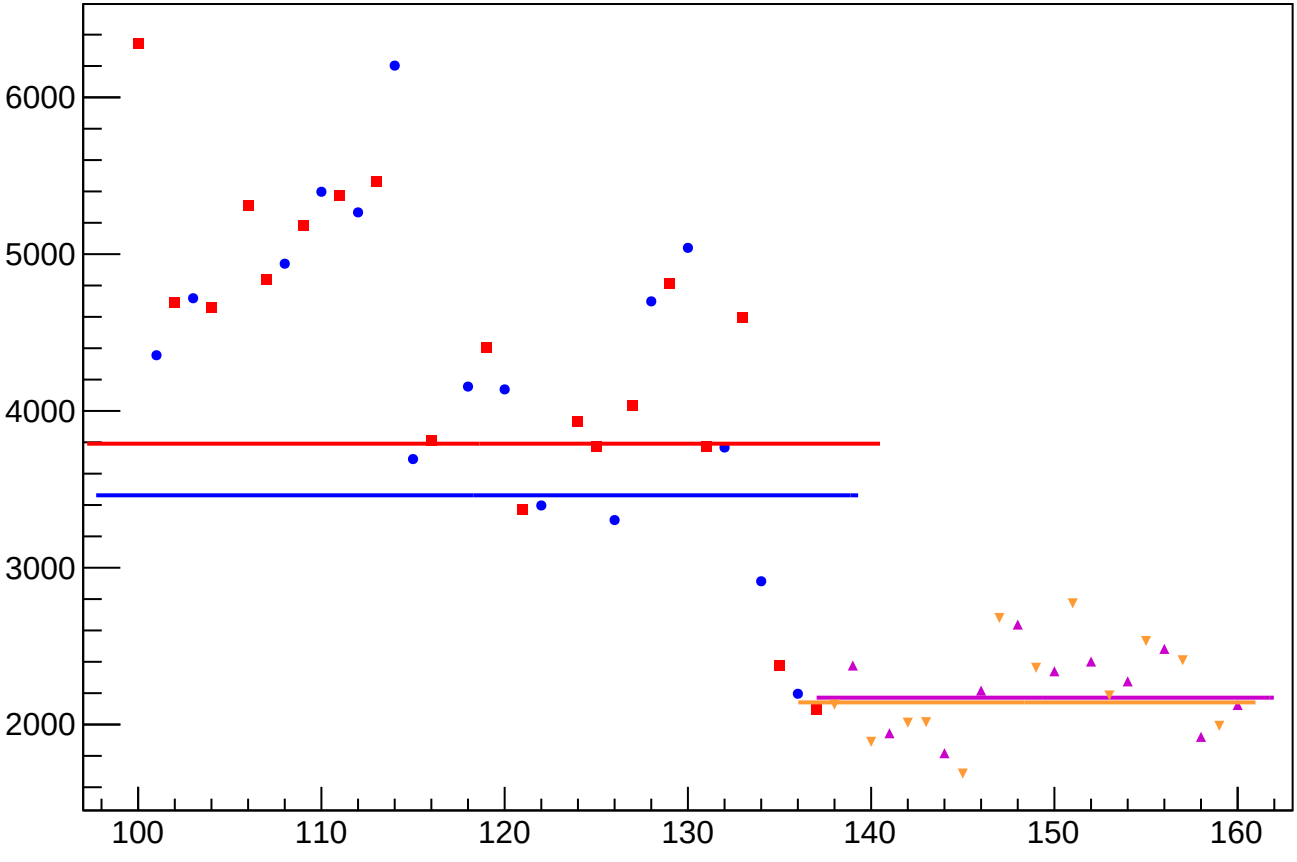
Left In: 314.915+/-708.859 χ^2/NDF:14.9/10

+ sign -1829.361+/-623.987 χ^2/NDF: 43.1/27

All: -909.670+/-445.503 χ^2/NDF: 77.5/57

- 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: 2141.134+/-0.497 χ^2/NDF:392491.2/11

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

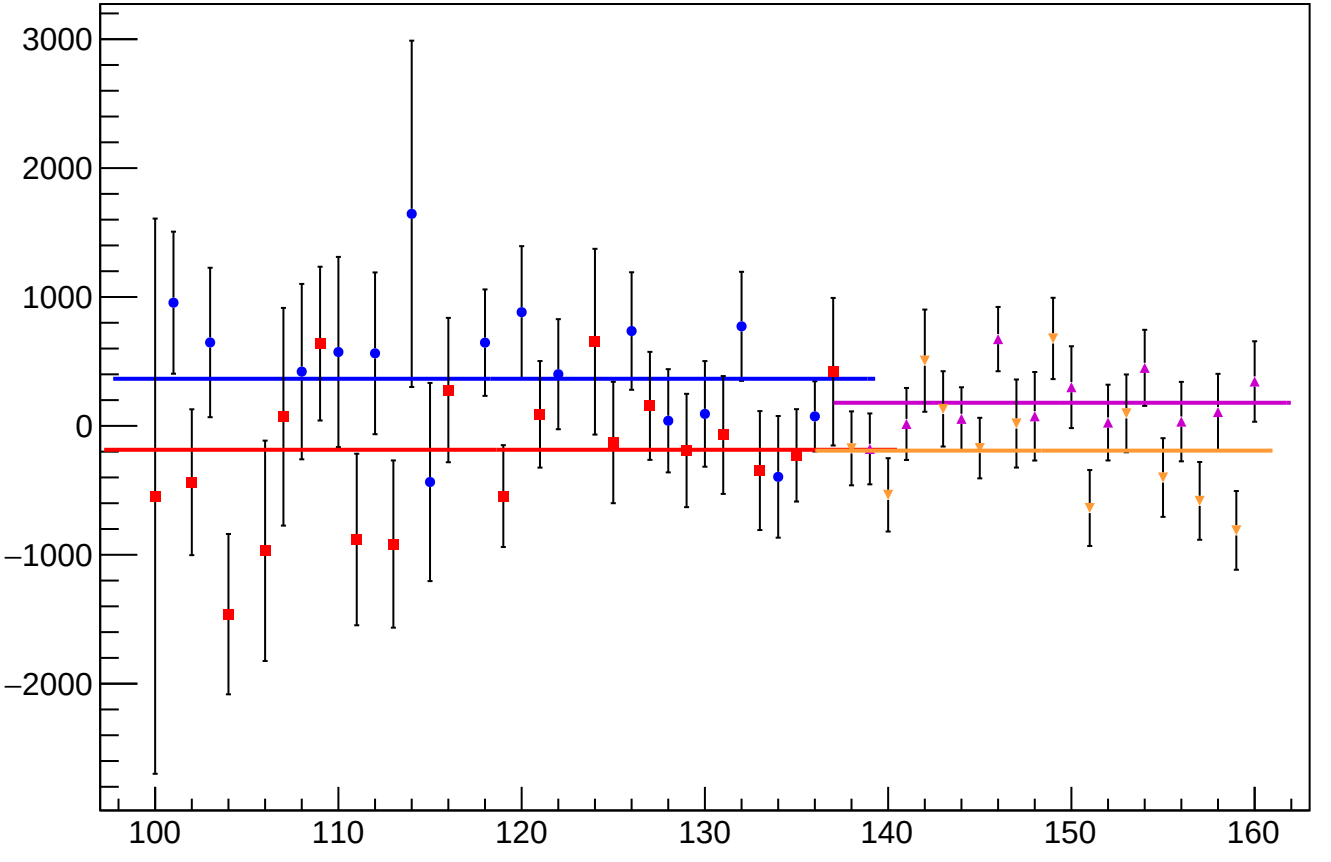
Left In: 2171.291+/-0.501 χ^2/NDF:241984.7/10

+ sign 2421.721+/-0.441 χ^2/NDF: 3201296.5/27

All: 2453.280+/-0.315 χ^2/NDF: 6639219.3/57

- 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: -191.924+/-86.305 χ^2/NDF:23.2/11

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

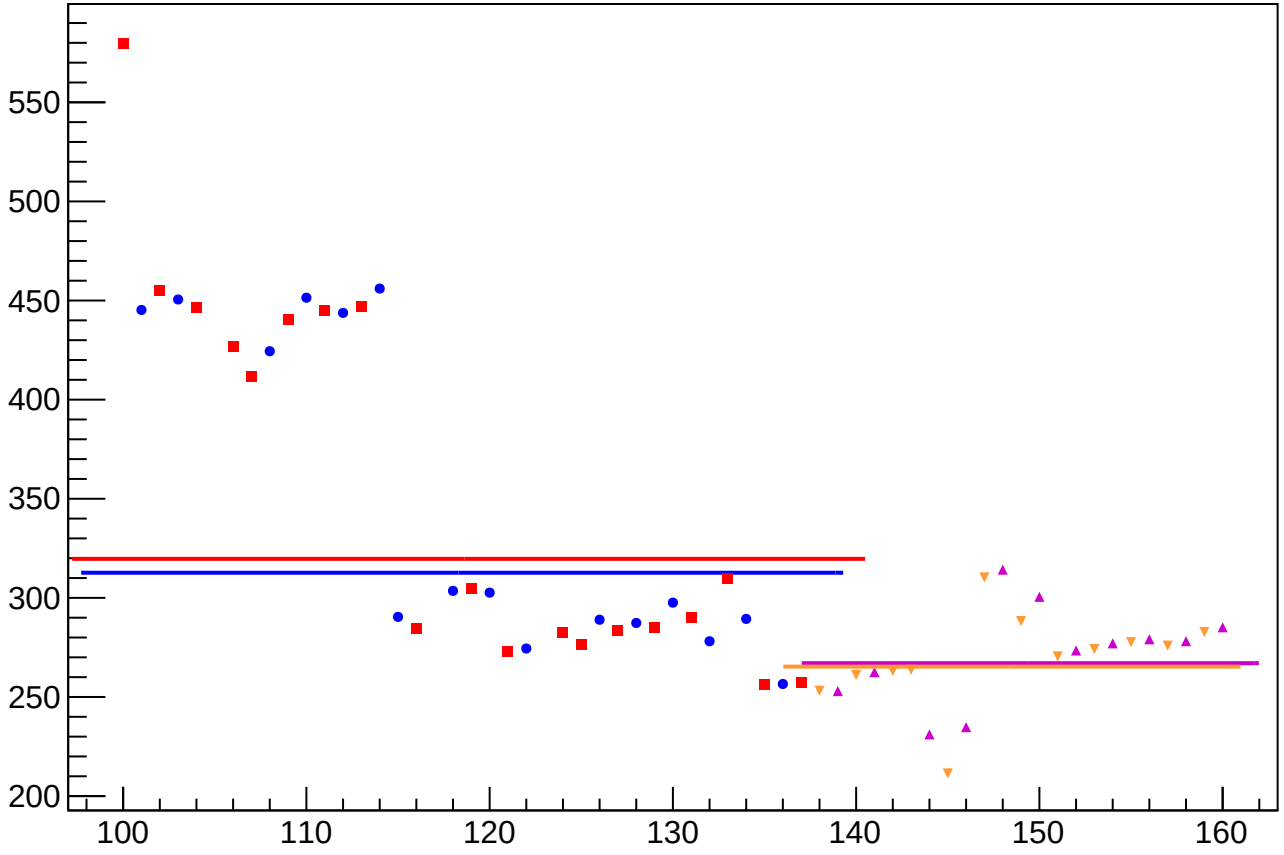
Left In: 179.407+/-86.892 χ^2/NDF:8.1/10

+ sign 0.492+/-69.839 χ^2/NDF: 49.1/27

All: 27.134+/-49.587 χ^2/NDF: 78.5/57

- 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: 265.305+/-0.061 χ^2/NDF:169401.8/11

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

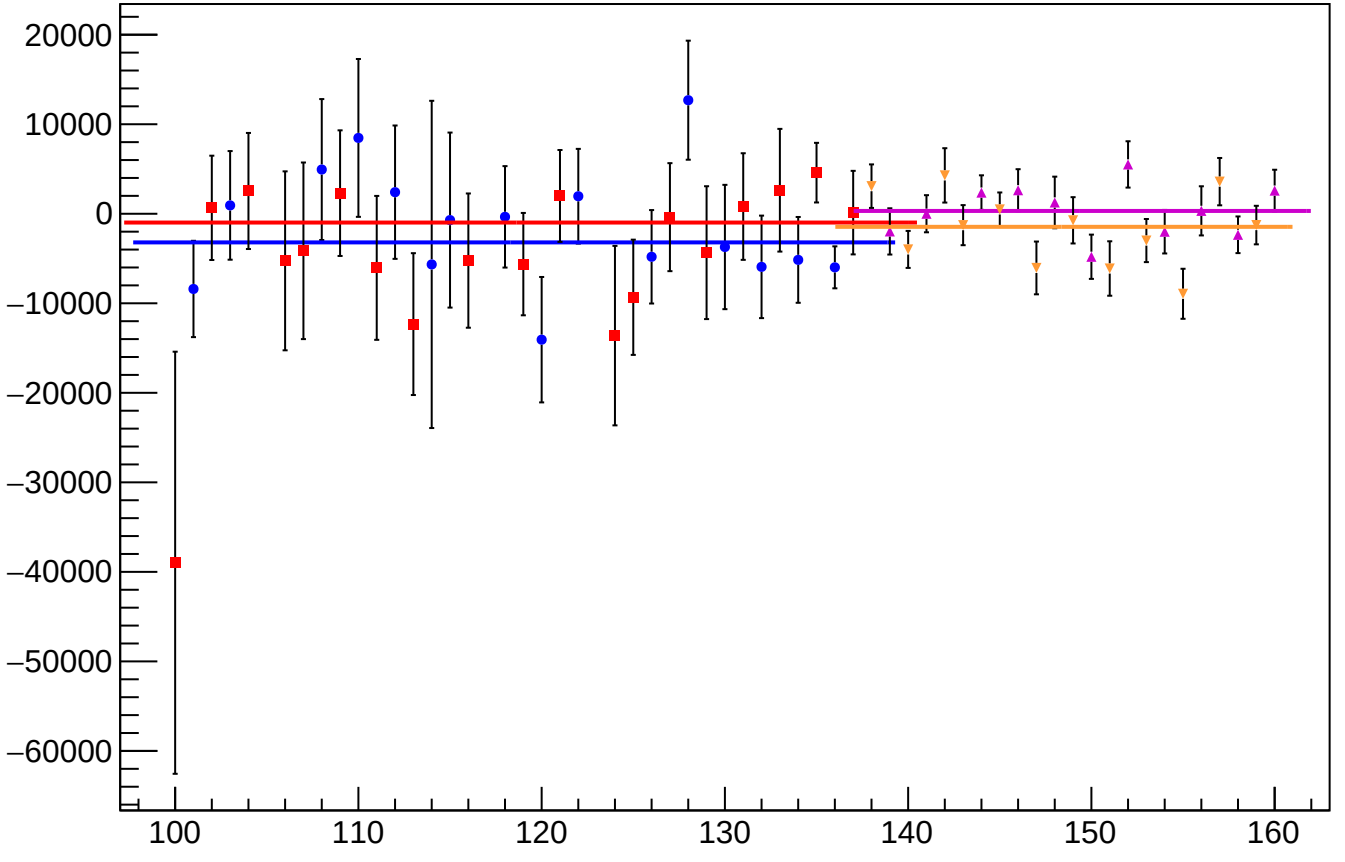
Left In: 267.055+/-0.061 χ^2/NDF:158144.1/10

+ sign 281.659+/-0.049 χ^2/NDF: 979644.7/27

All: 283.376+/-0.035 χ^2/NDF: 2085850.1/57

- 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: -1459.967+/-703.126 χ^2/NDF:25.7/11

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

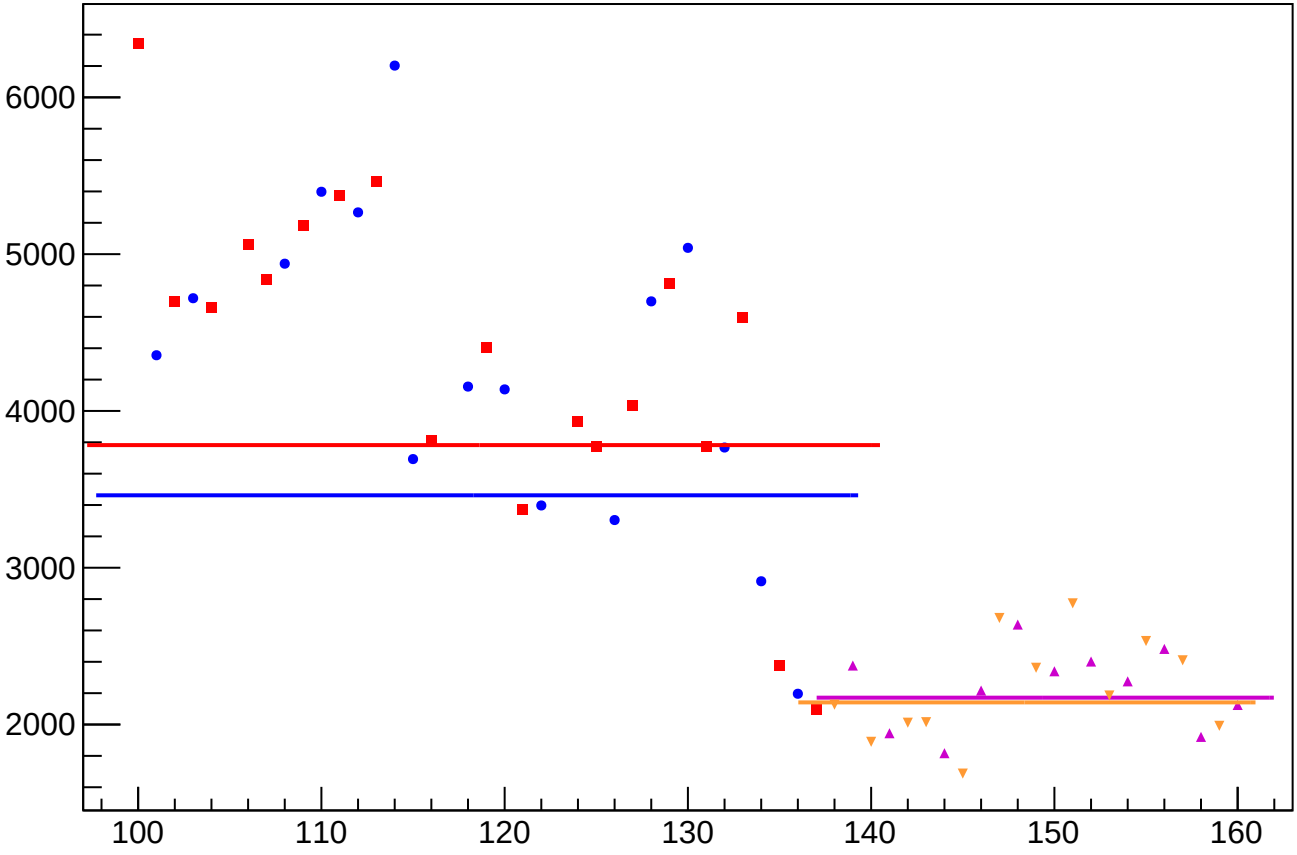
Left In: 314.901+/-708.859 χ^2/NDF:14.9/10

+ sign -1829.334+/-623.987 χ^2/NDF: 43.1/27

All: -901.543+/-445.560 χ^2/NDF: 77.1/57

- 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: 2141.134+/-0.497 χ^2/NDF:392492.2/11

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

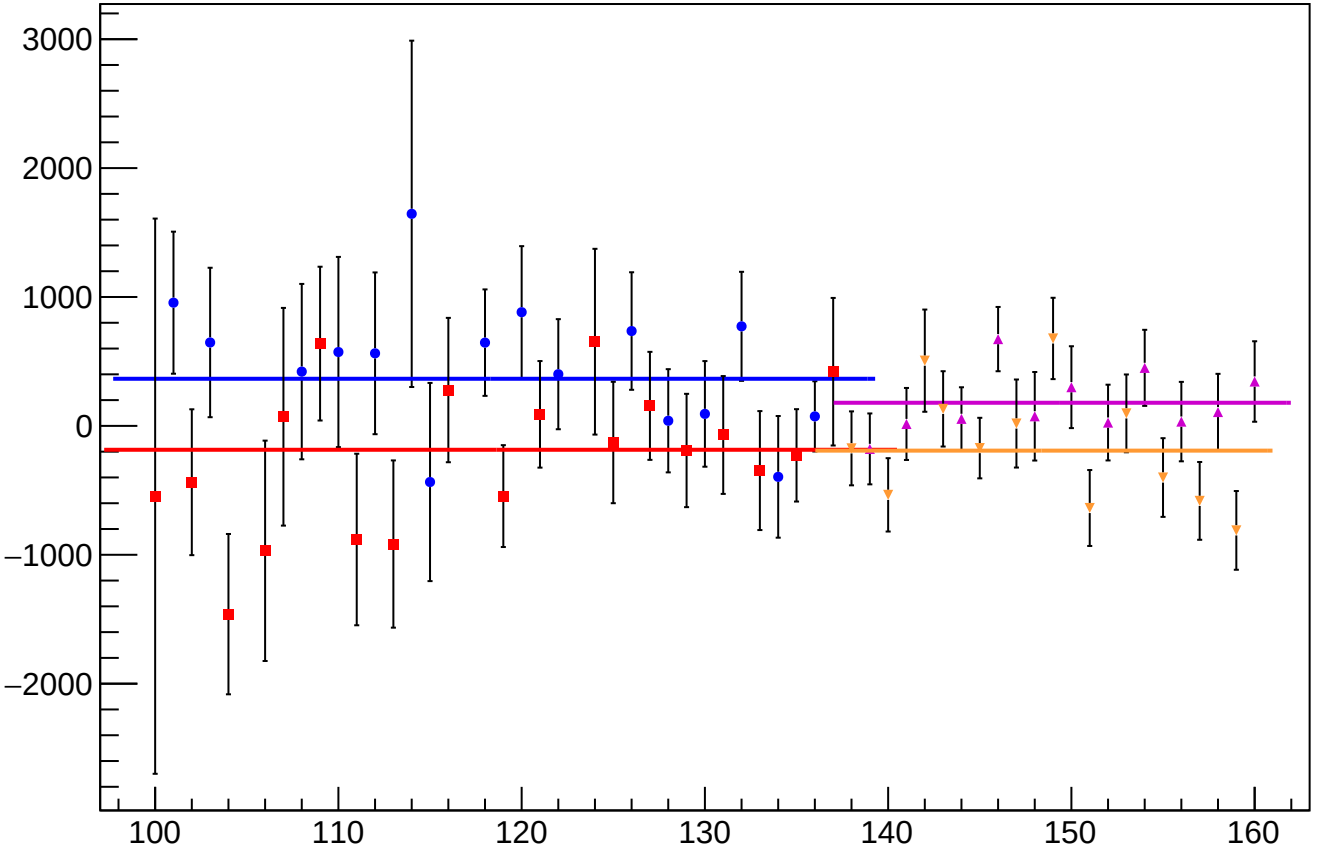
Left In: 2171.292+/-0.501 χ^2/NDF:241984.7/10

+ sign 2421.721+/-0.441 χ^2/NDF: 3201318.3/27

All: 2452.081+/-0.315 χ^2/NDF: 6592143.7/57

- 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: -191.924+/-86.305 χ^2/NDF:23.2/11

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

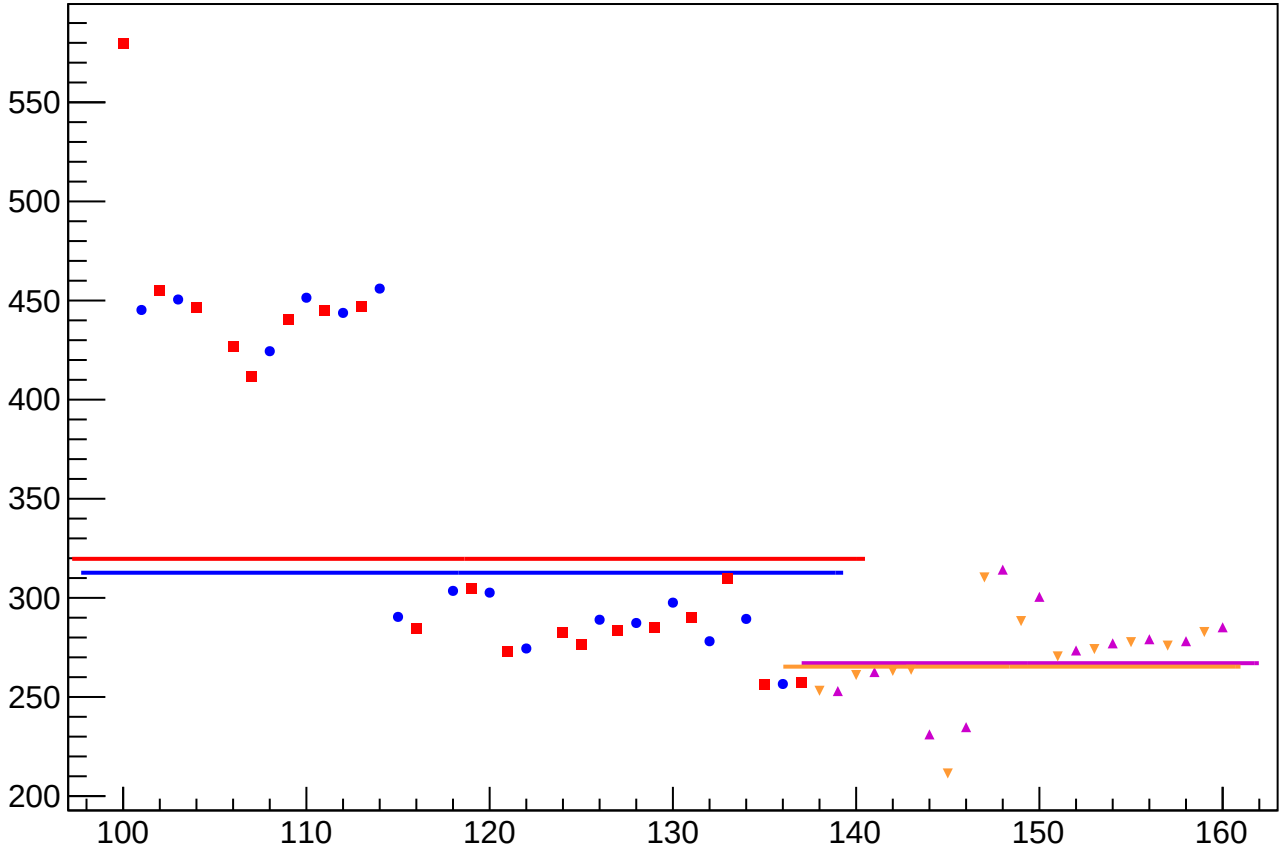
Left In: 179.407+/-86.892 χ^2/NDF:8.1/10

\+ sign 0.492+/-69.839 χ^2/NDF: 49.1/27

All: 27.134+/-49.587 χ^2/NDF: 78.5/57

\- 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: 265.305+/-0.061 χ^2/NDF:169401.8/11

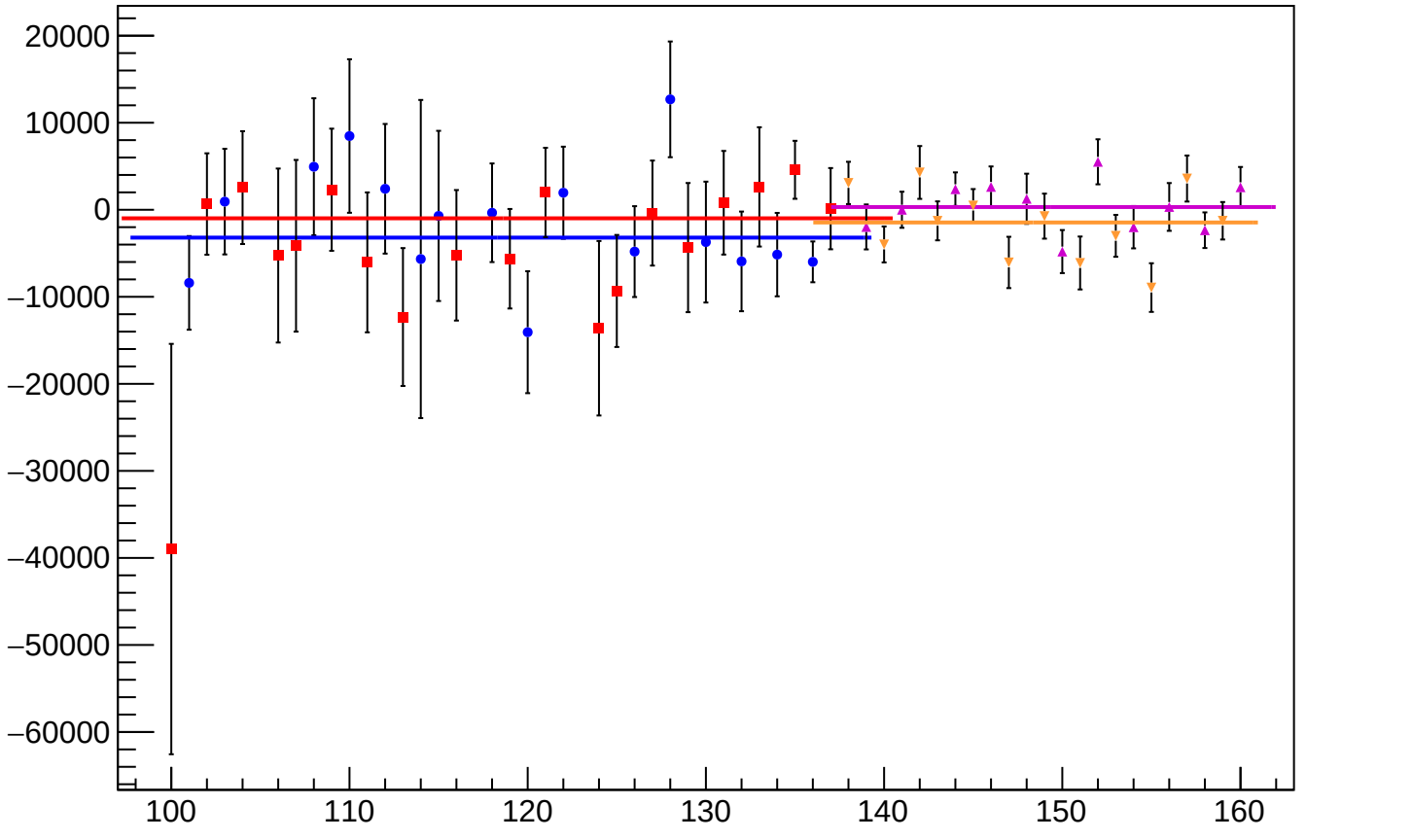
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 267.055+/-0.061 χ^2/NDF:158144.1/10

+ sign 281.659+/-0.049 χ^2/NDF: 979644.7/27

All: 283.376+/-0.035 χ^2/NDF: 2085850.1/57

- sign 285.121+/-0.050 χ^2/NDF: 1103767.8/29



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1459.967+/-703.126 χ^2/NDF:25.7/11

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

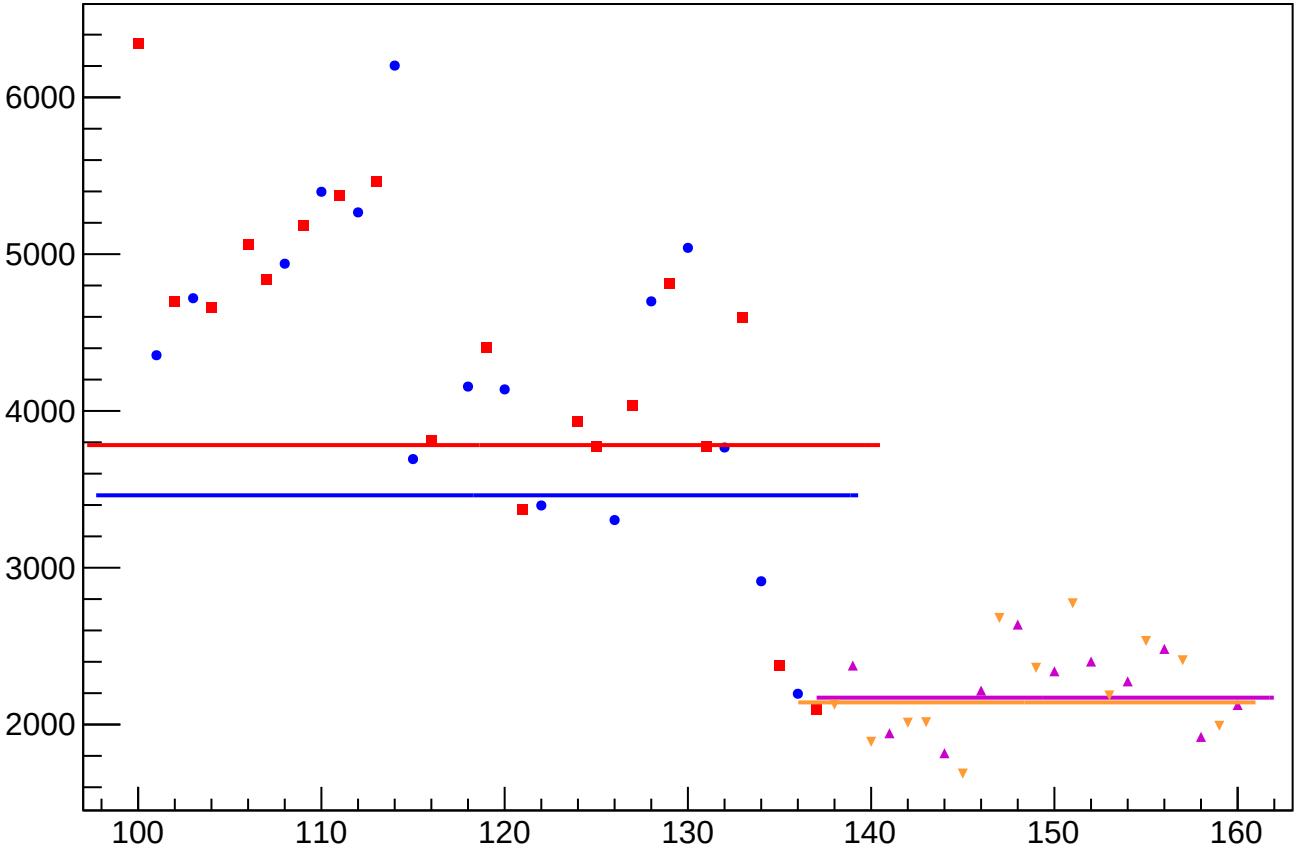
Left In: 314.901+/-708.859 χ^2/NDF:14.9/10

+ sign -1829.334+/-623.987 χ^2/NDF: 43.1/27

All: -901.543+/-445.560 χ^2/NDF: 77.1/57

- 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: 2141.134+/-0.497 χ^2/NDF:392492.2/11

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

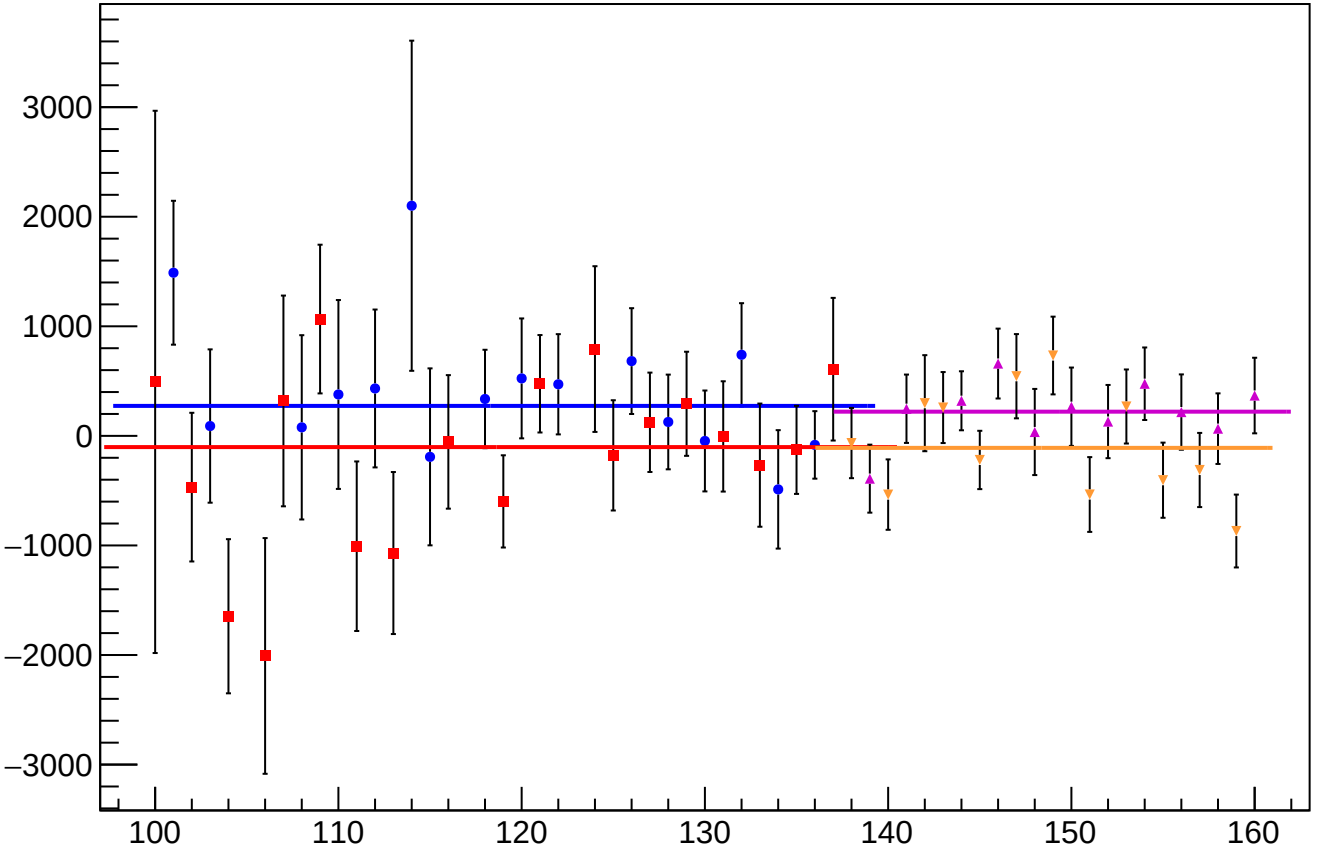
Left In: 2171.292+/-0.501 χ^2/NDF:241984.7/10

+ sign 2421.721+/-0.441 χ^2/NDF: 3201318.3/27

All: 2452.081+/-0.315 χ^2/NDF: 6592143.7/57

- 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: -109.511+/-96.851 χ^2/NDF:21.8/11

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

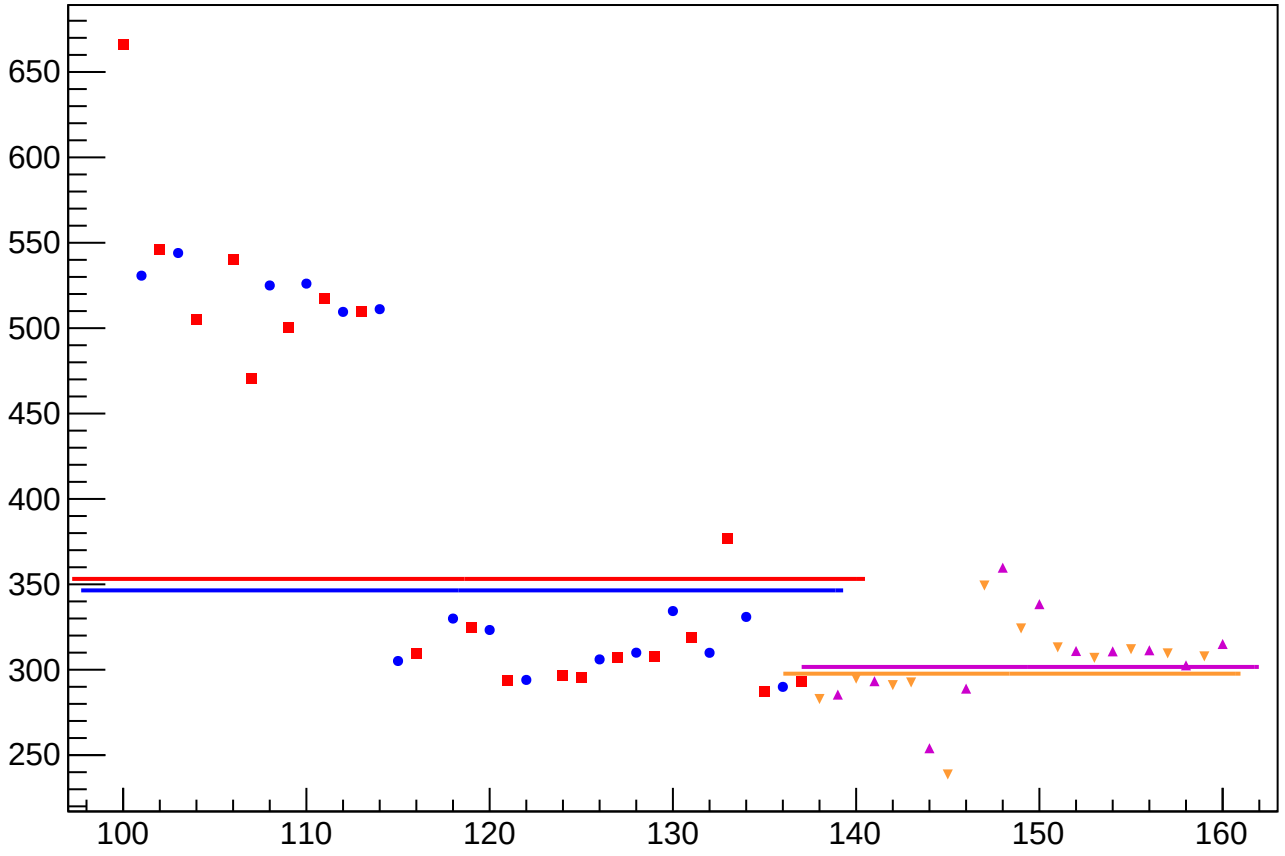
Left In: 220.870+/-98.448 χ^2/NDF:7.2/10

\+ sign 23.845+/-78.198 χ^2/NDF: 38.7/27

All: 64.925+/-55.665 χ^2/NDF: 71.6/57

\- sign 107.124+/-79.256 χ^2/NDF: 32.3/29

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 297.685+/-0.068 χ^2/NDF:164337.7/11

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

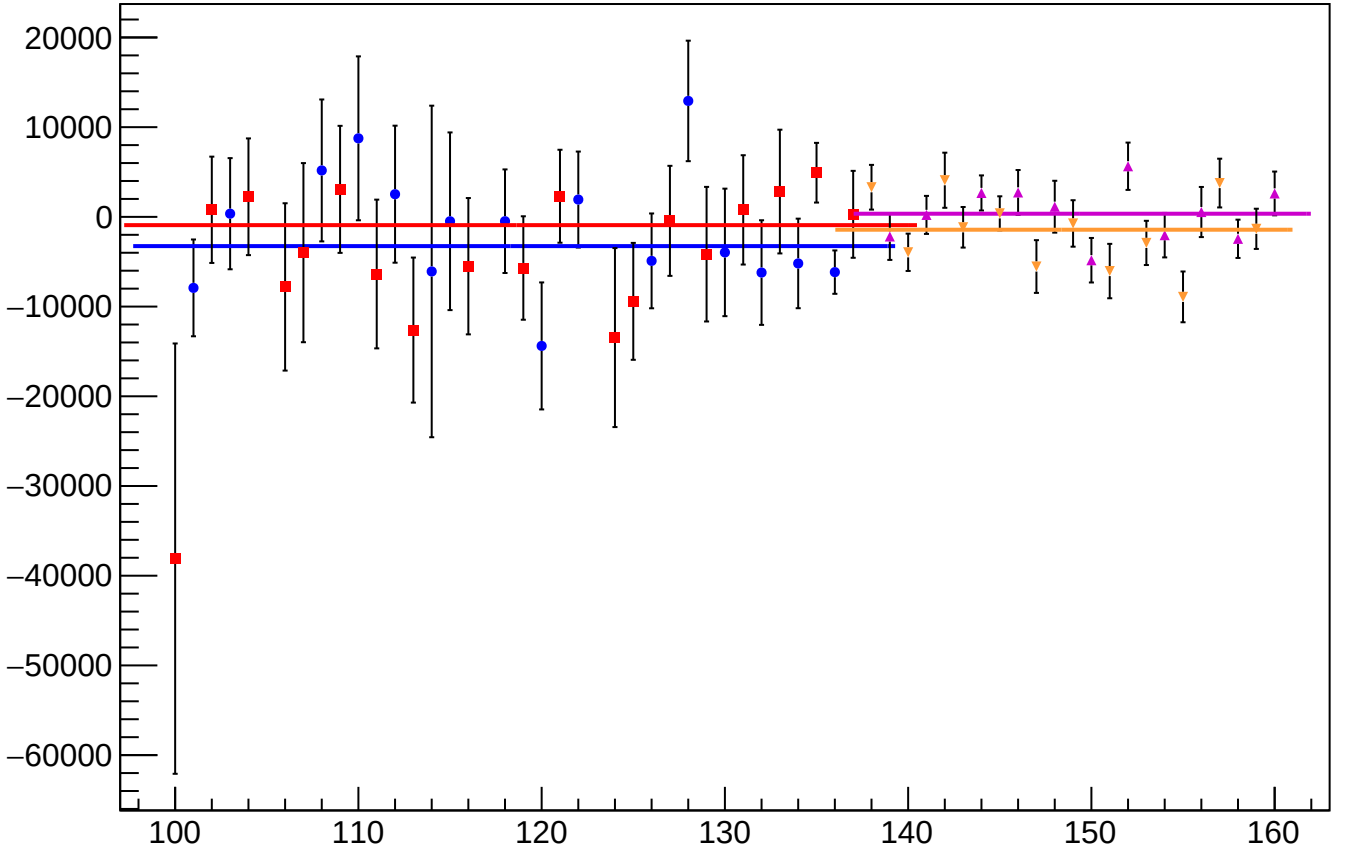
Left In: 301.637+/-0.070 χ^2/NDF:145166.5/10

+ sign 314.662+/-0.055 χ^2/NDF: 1109640.6/27

All: 317.184+/-0.039 χ^2/NDF: 2318281.2/57

- 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: -1432.384+/-712.791 χ^2/NDF:24.6/11

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

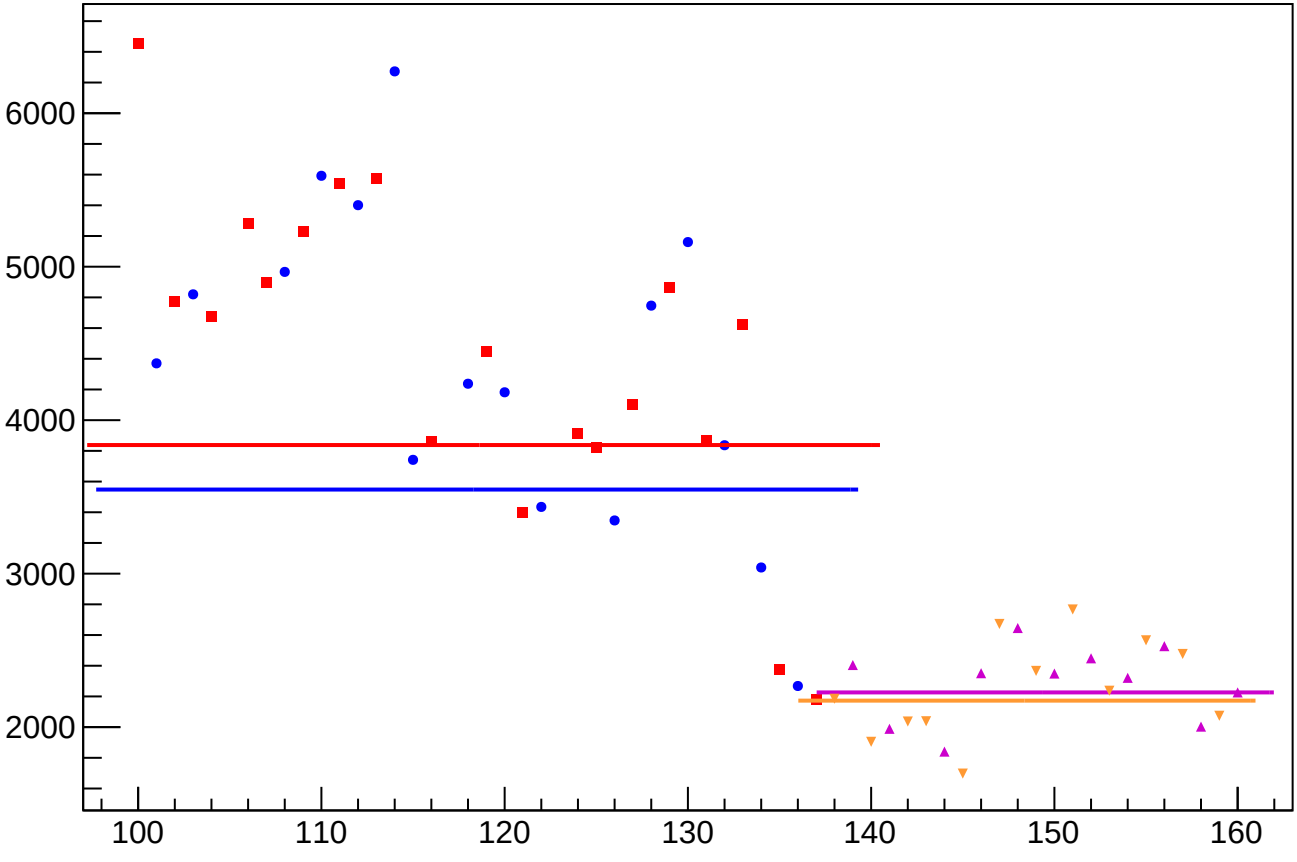
Left In: 351.156+/-726.460 χ^2/NDF:15.2/10

+ sign -1815.223+/-633.699 χ^2/NDF: 42.0/27

All: -883.158+/-453.903 χ^2/NDF: 76.9/57

- 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: 2172.648+/-0.504 χ^2/NDF:384170.8/11

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

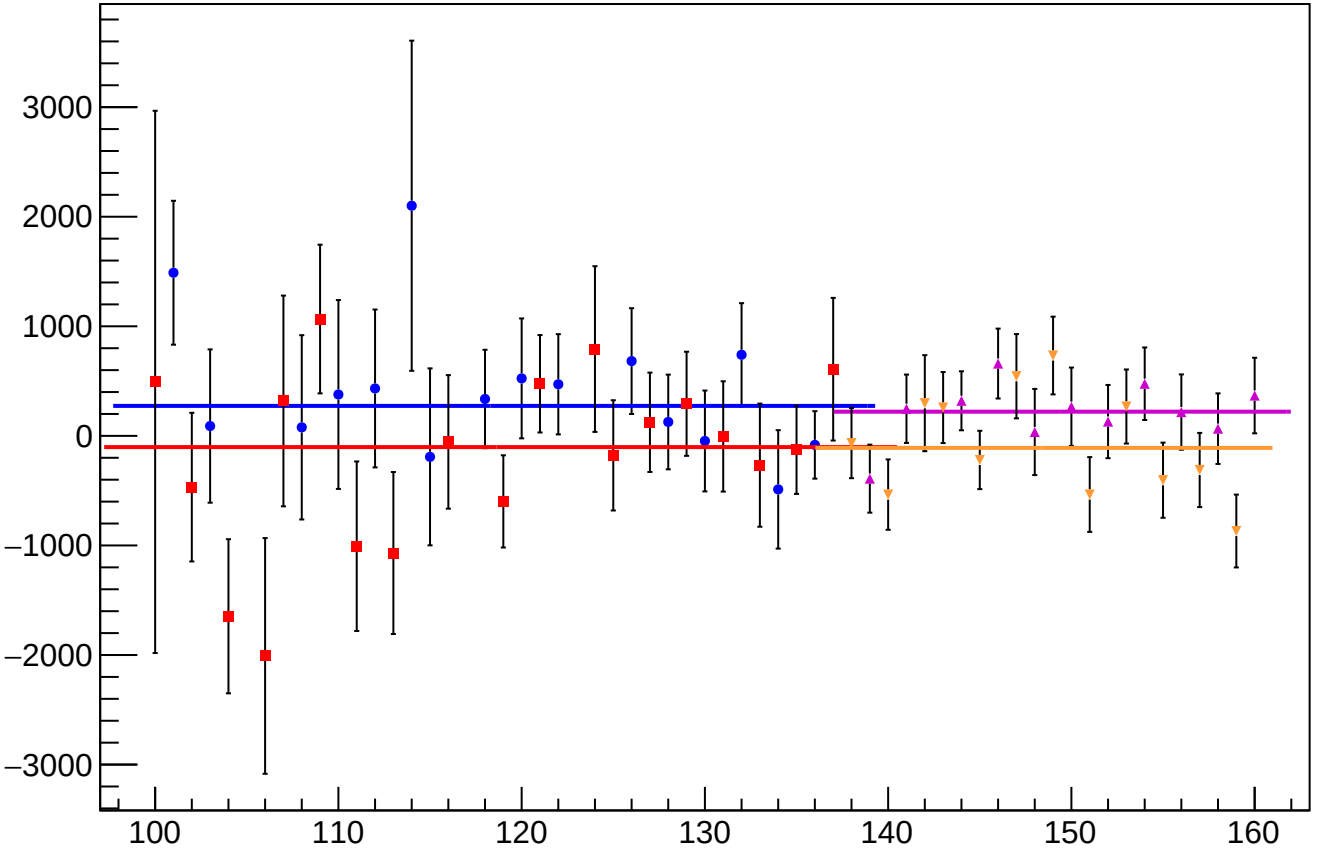
Left In: 2226.146+/-0.514 χ^2/NDF:226439.3/10

+ sign 2460.926+/-0.448 χ^2/NDF: 3203365.2/27

All: 2502.233+/-0.321 χ^2/NDF: 6555376.4/57

- 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: -109.512+/-96.851 χ^2/NDF:21.8/11

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

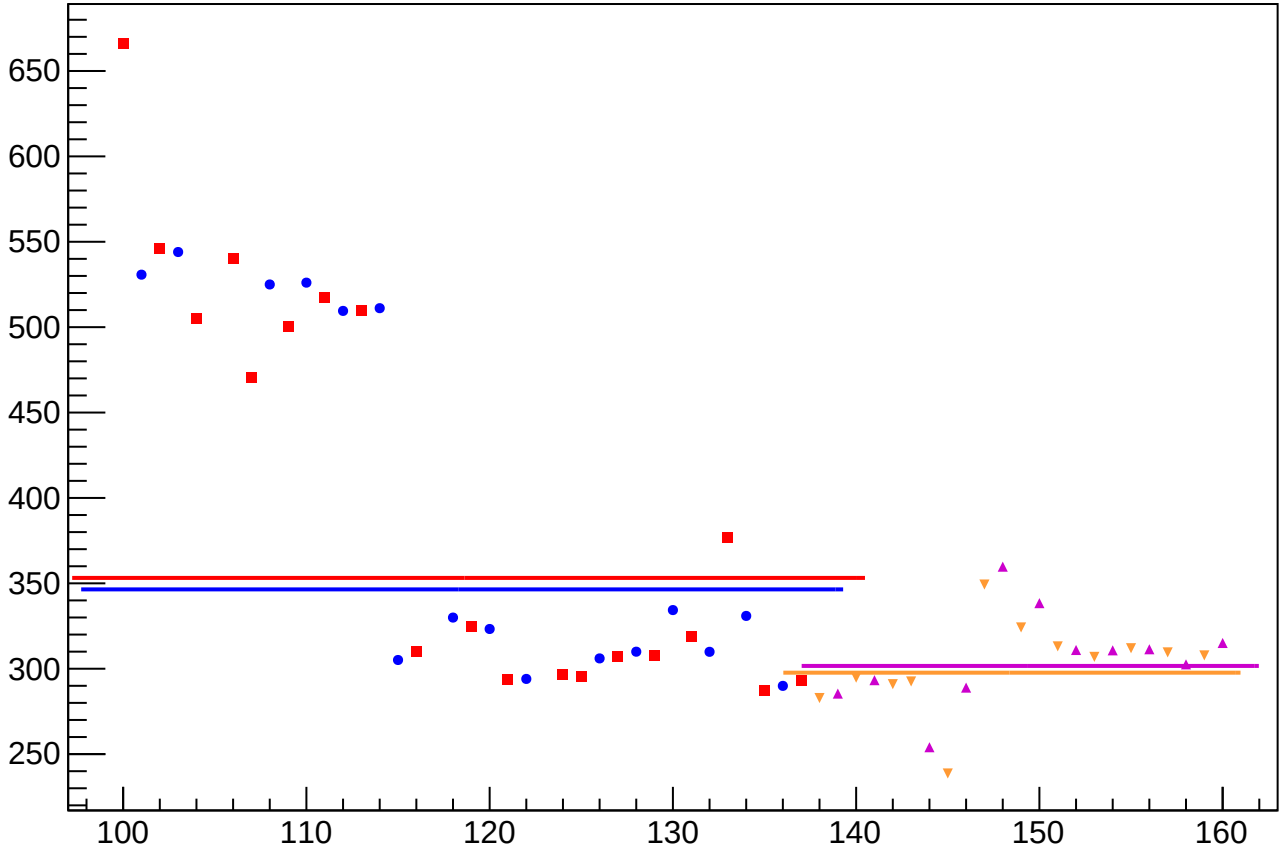
Left In: 220.873+/-98.448 χ^2/NDF:7.2/10

\+ sign 23.846+/-78.198 χ^2/NDF: 38.7/27

All: 64.927+/-55.664 χ^2/NDF: 71.5/57

\- 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: 297.685+/-0.068 χ^2/NDF:164340.8/11

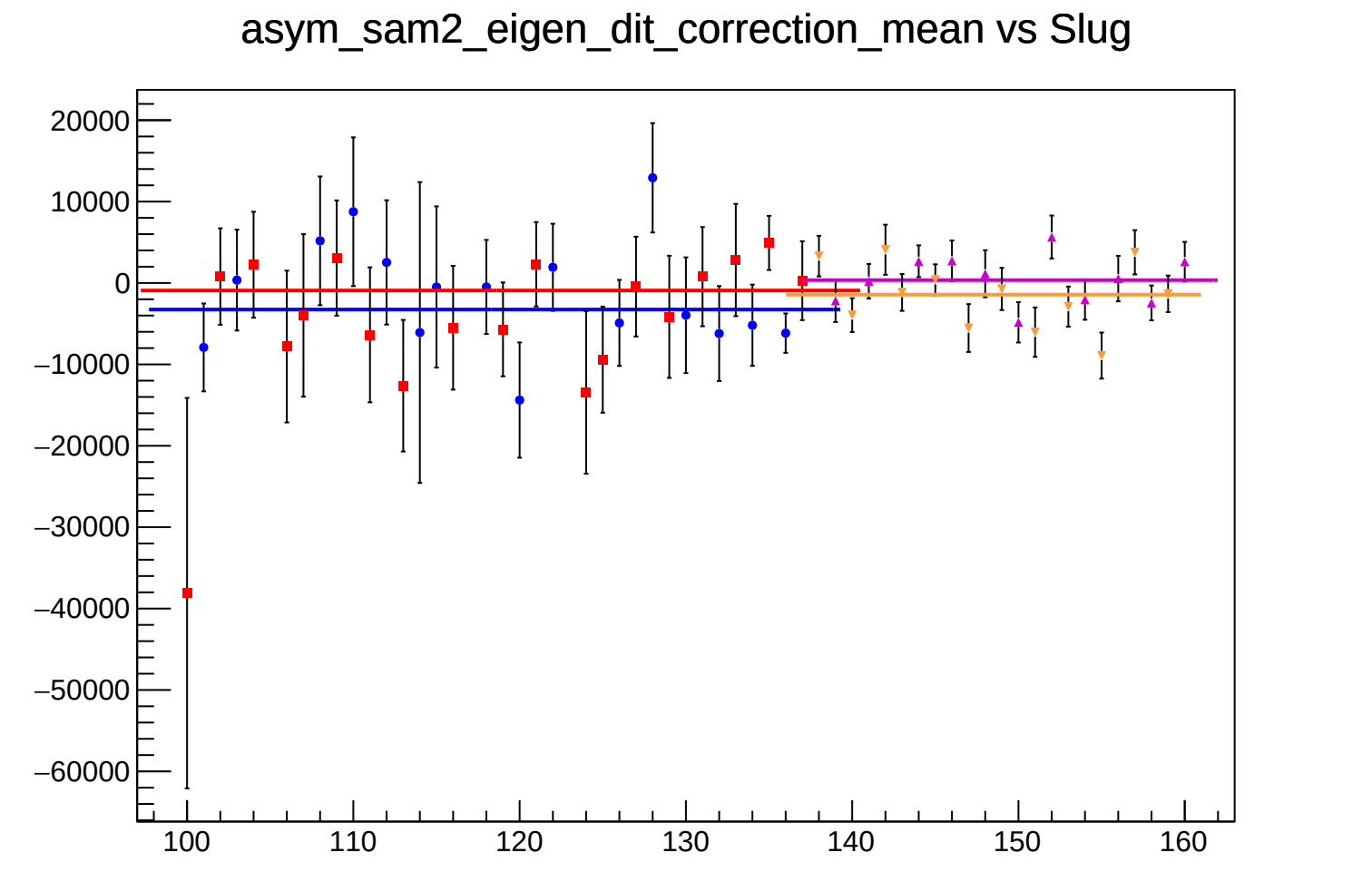
Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 301.637+/-0.070 χ^2/NDF:145168.0/10

+ sign 314.661+/-0.055 χ^2/NDF: 1109620.8/27

All: 317.183+/-0.039 χ^2/NDF: 2318244.4/57

- 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: -1432.381+/-712.790 χ^2/NDF:24.6/11

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

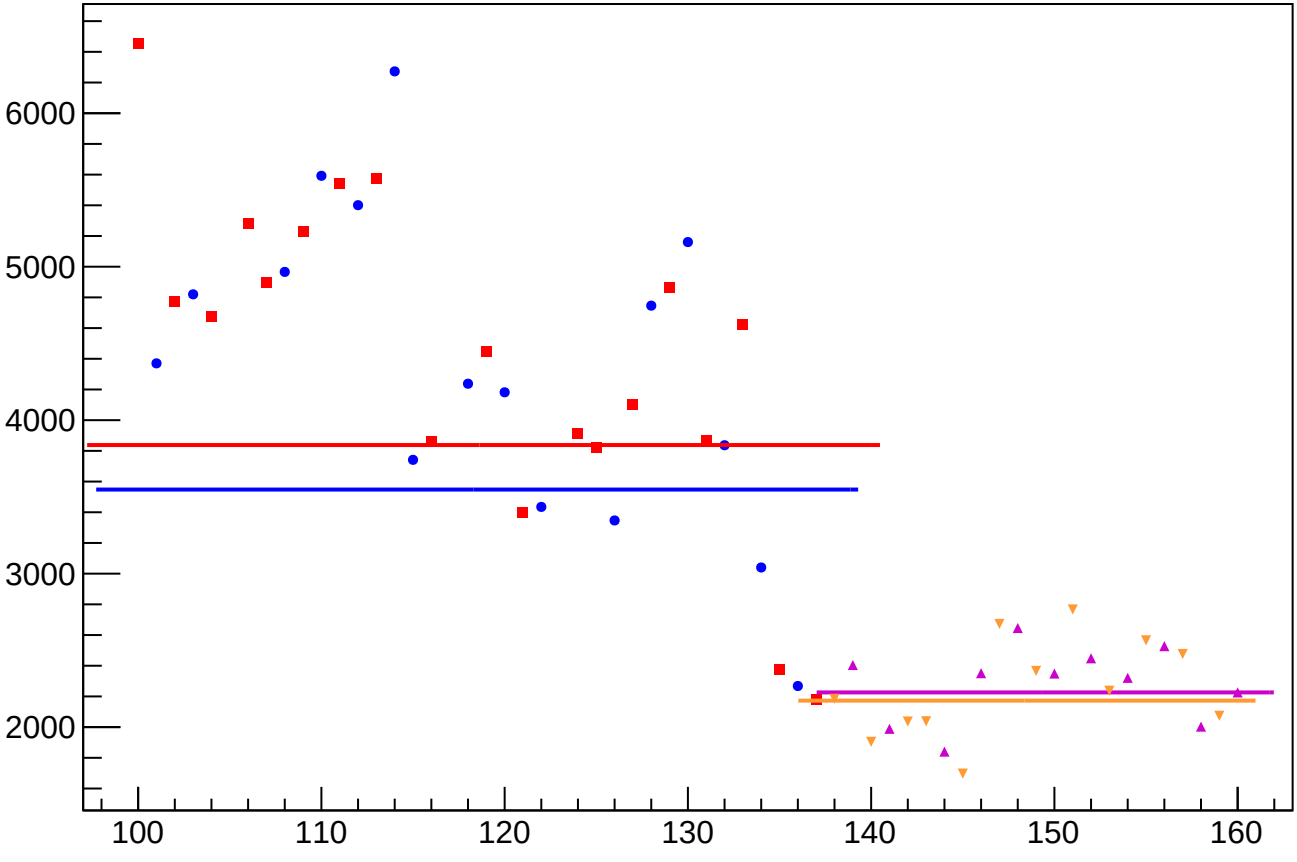
Left In: 351.156+/-726.459 χ^2/NDF:15.2/10

+ sign -1815.219+/-633.699 χ^2/NDF: 42.0/27

All: -883.157+/-453.902 χ^2/NDF: 76.9/57

- 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: 2172.646+/-0.504 χ^2/NDF:384177.5/11

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

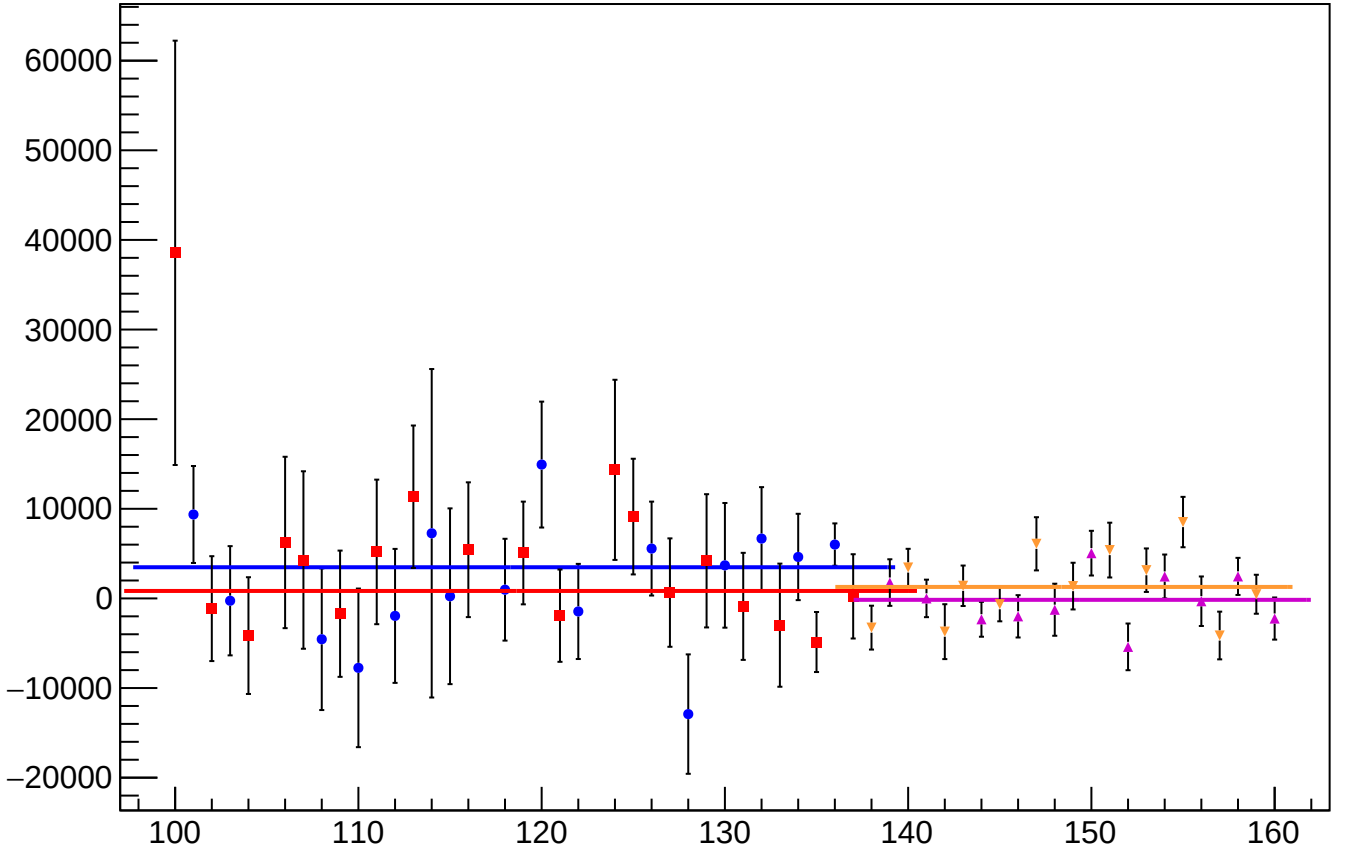
Left In: 2226.145+/-0.514 χ^2/NDF:226440.8/10

+ sign 2460.924+/-0.448 χ^2/NDF: 3203357.2/27

All: 2502.232+/-0.321 χ^2/NDF: 6555355.5/57

- 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: 1281.868+/-708.710 χ^2/NDF:24.1/11

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

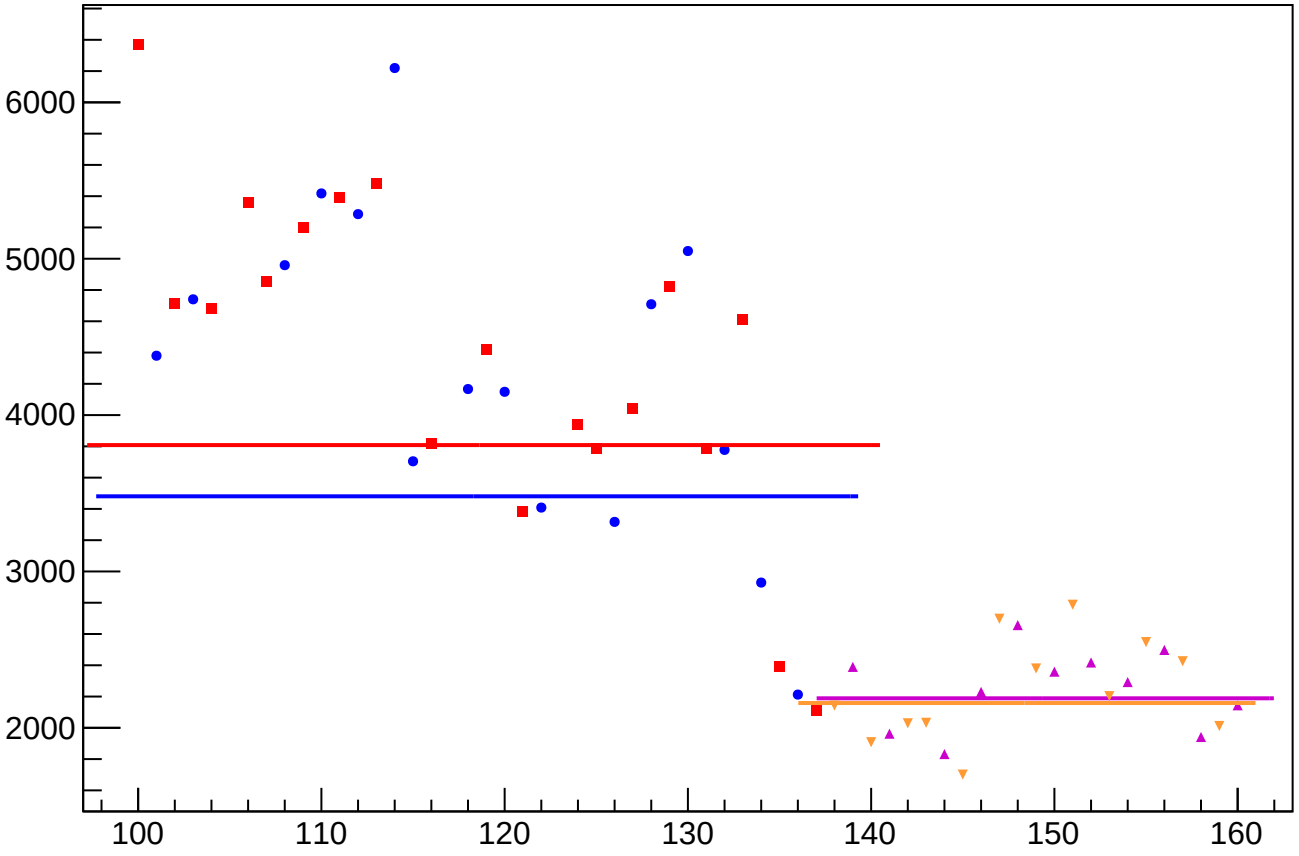
Left In: -158.039+/-714.456 χ^2/NDF:14.5/10

+ sign 1750.765+/-628.529 χ^2/NDF: 42.5/27

All: 909.811+/-448.730 χ^2/NDF: 75.1/57

- 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: 2158.642+/-0.501 χ^2/NDF:387144.0/11

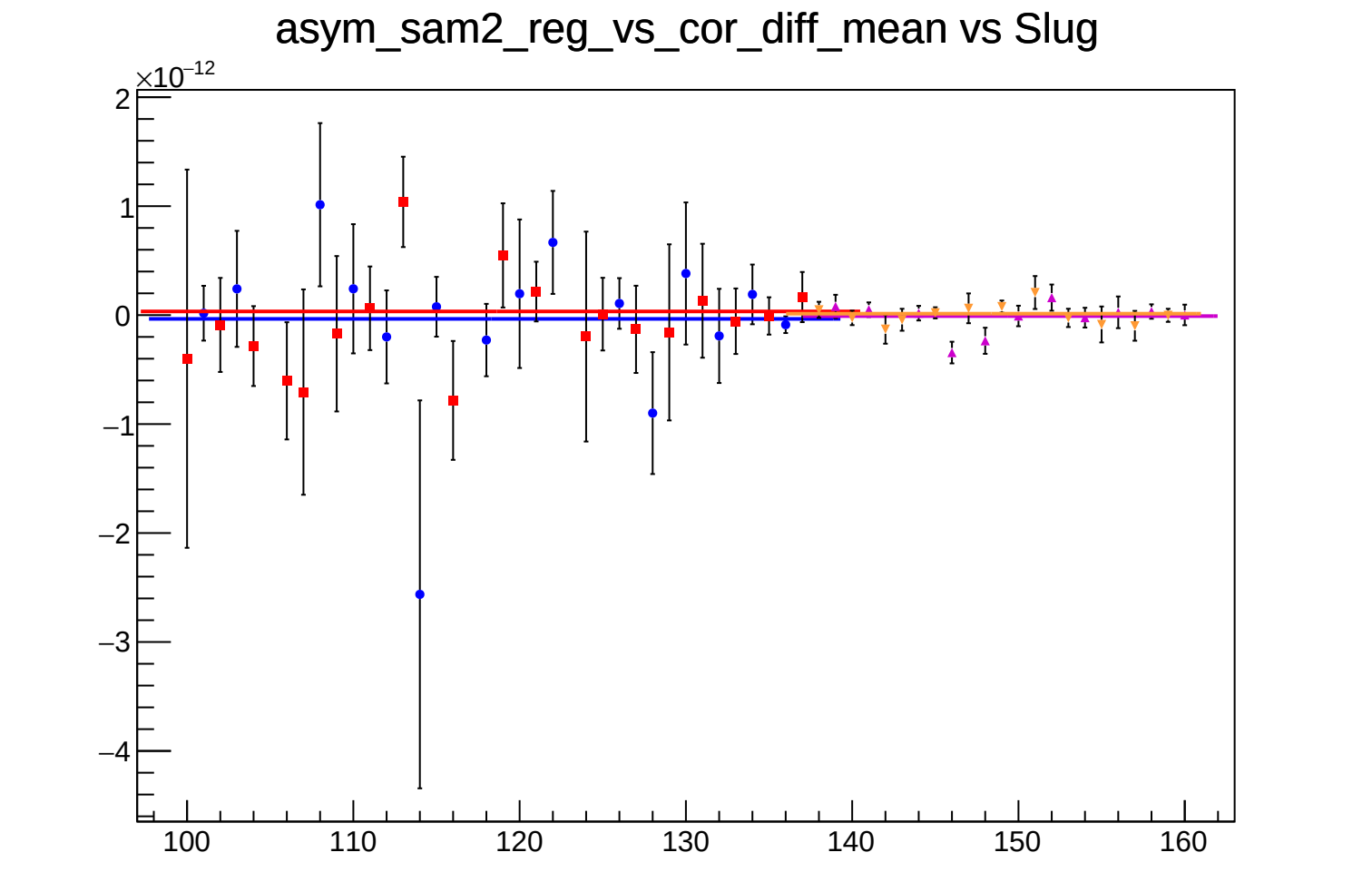
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

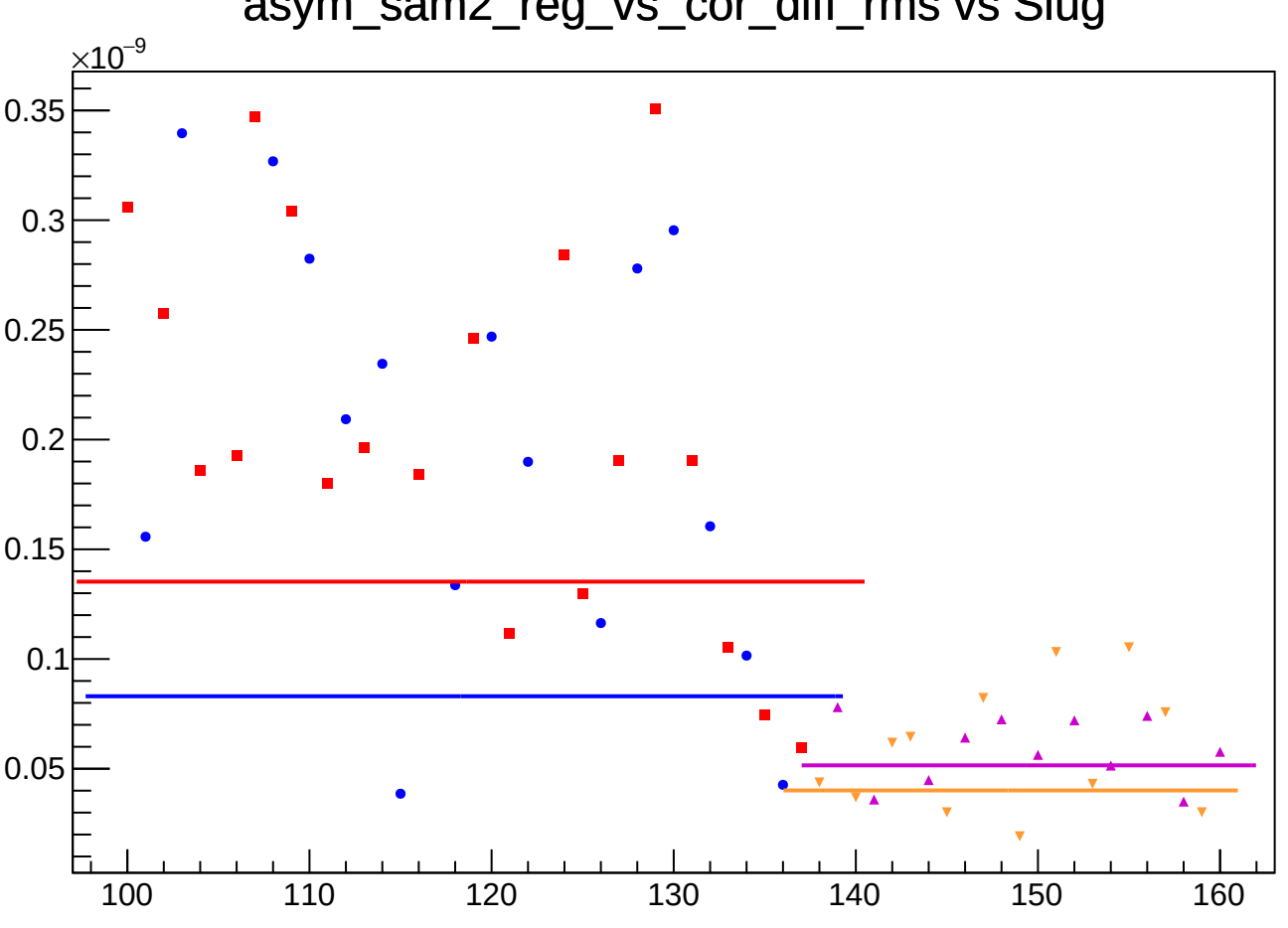
Left In: 2188.777+/-0.505 χ^2/NDF:237867.6/10

+ sign 2440.837+/-0.444 χ^2/NDF: 3169195.5/27

All: 2472.418+/-0.317 χ^2/NDF: 6572923.3/57

- sign 2505.250+/-0.453 χ^2/NDF: 3393429.2/29


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:19.1/10
+ sign 0.000+/-0.000 χ²/NDF: 19.0/27
All: 0.000+/-0.000 χ²/NDF: 51.9/57
- sign -0.000+/-0.000 χ²/NDF: 32.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1582295.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

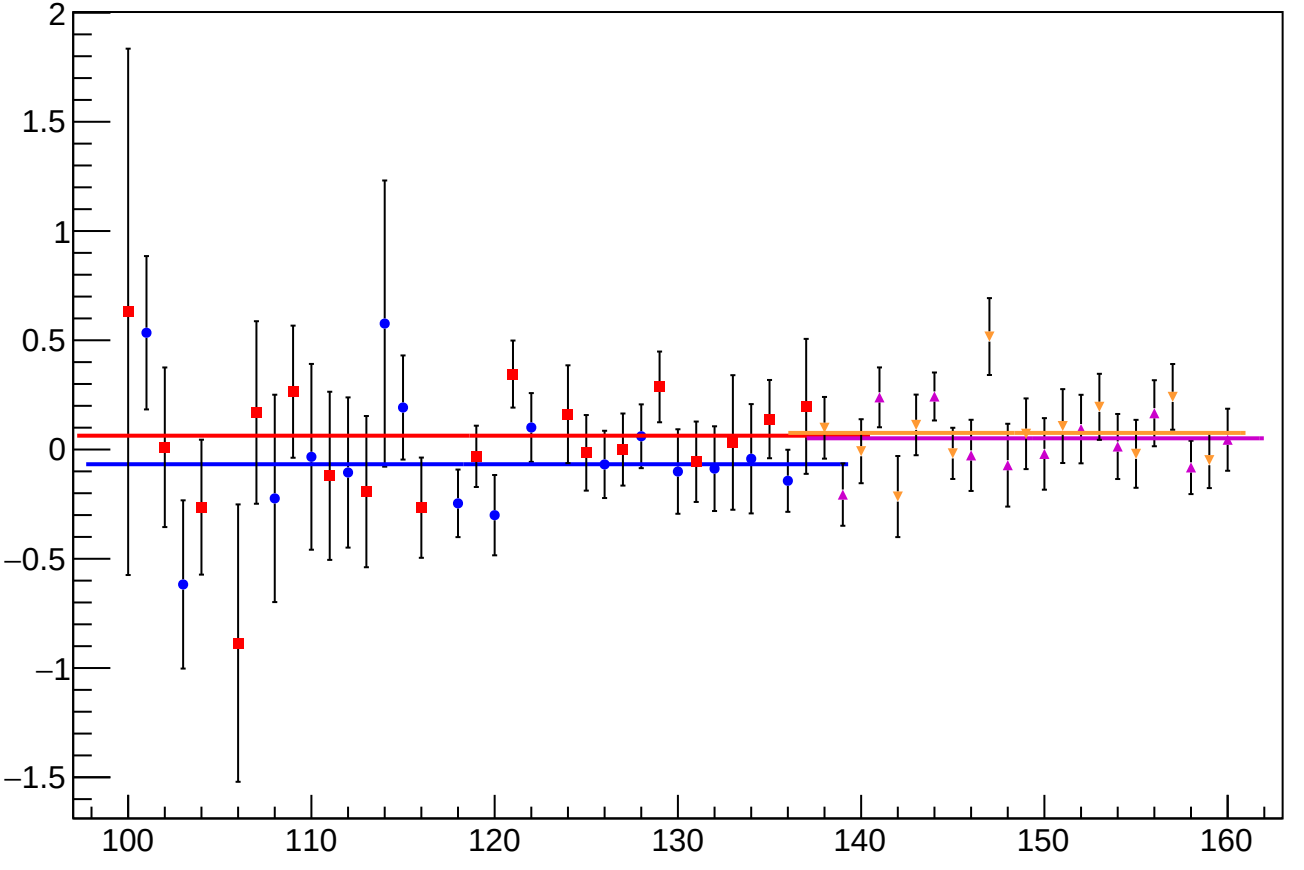
Left In: 0.000+/-0.000 χ^2/NDF:590937.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 5160915.9/27

All: 0.000+/-0.000 χ^2/NDF: 9254868.4/57

- sign 0.000+/-0.000 χ^2/NDF: 3764131.9/29

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.076+/-0.043 χ^2/NDF:13.0/11

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

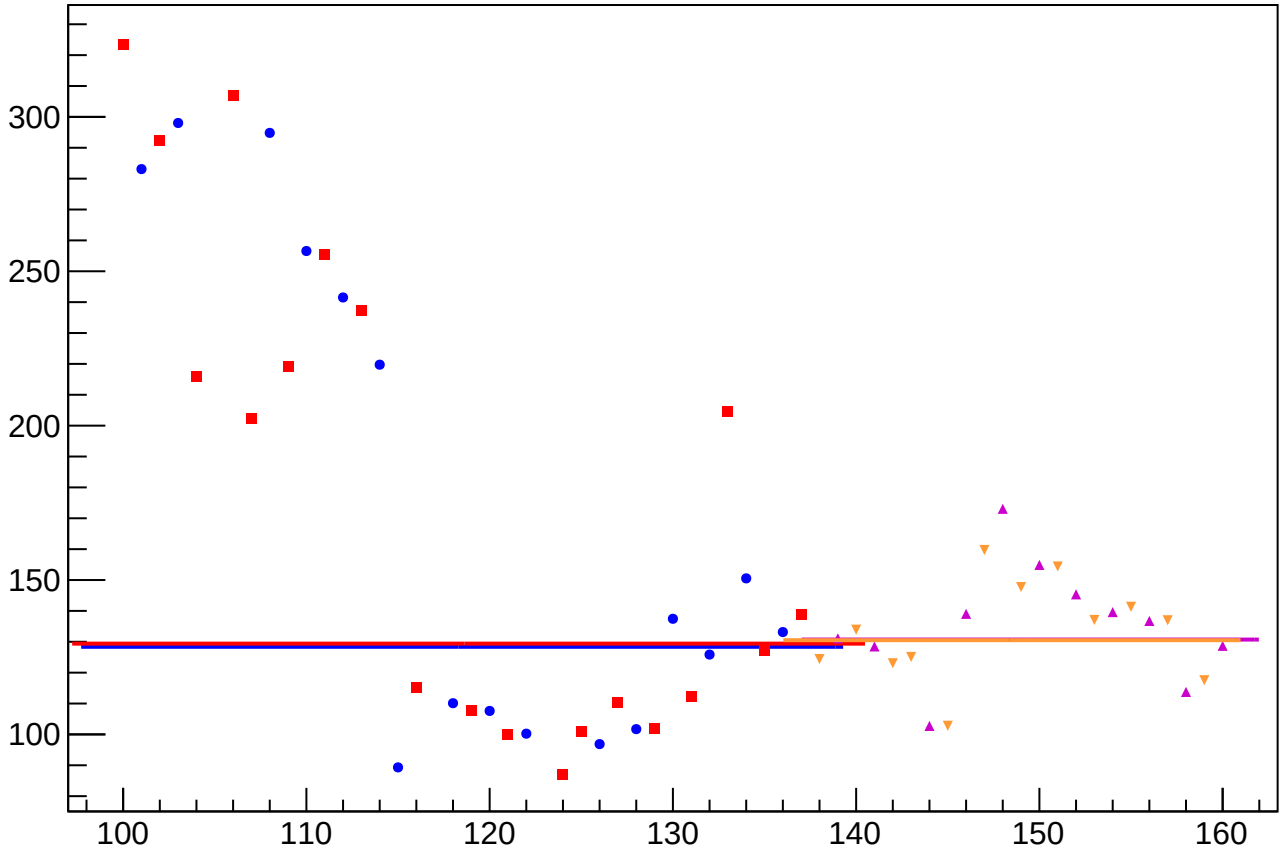
Left In: 0.051+/-0.043 χ^2/NDF:10.9/10

+ sign 0.018+/-0.033 χ^2/NDF: 30.0/27

All: 0.037+/-0.023 χ^2/NDF: 55.7/57

- 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: 130.510+/-0.030 χ^2/NDF:278451.0/11

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

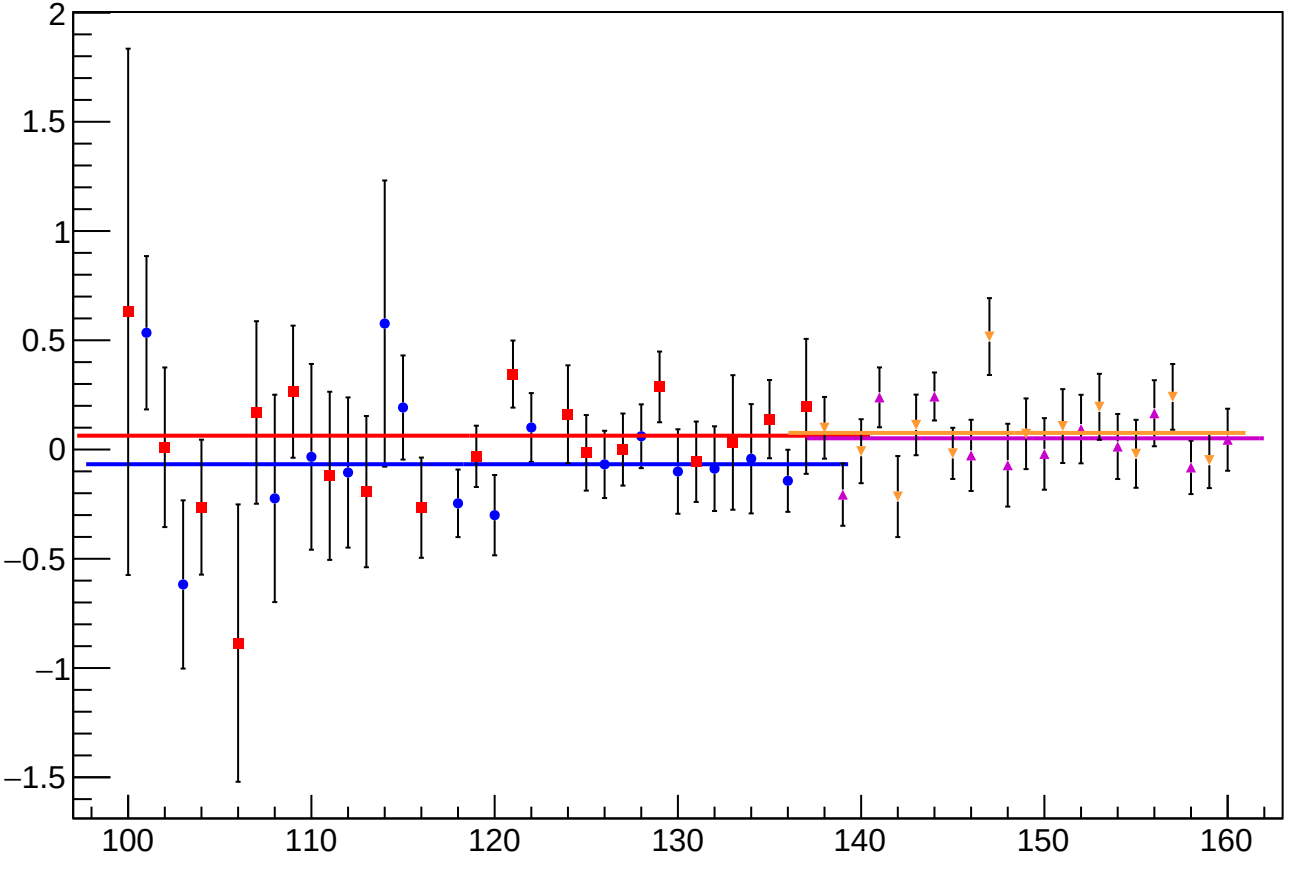
Left In: 130.715+/-0.031 χ^2/NDF:345762.1/10

+ sign 129.646+/-0.023 χ^2/NDF: 2085542.9/27

All: 129.908+/-0.017 χ^2/NDF: 4320594.1/57

- sign 130.172+/-0.023 χ^2/NDF: 2234797.9/29

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.076+/-0.043 χ^2/NDF:13.0/11

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

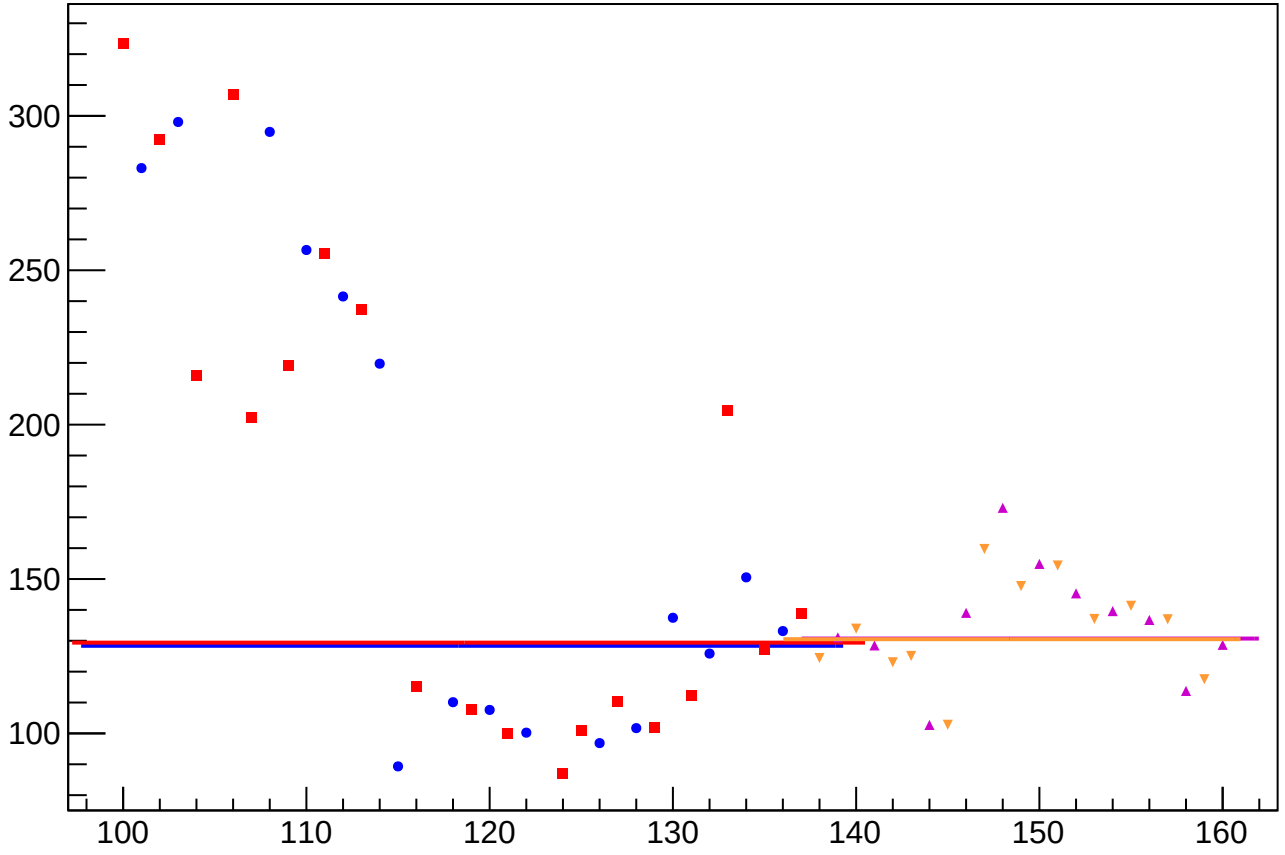
Left In: 0.051+/-0.043 χ^2/NDF:10.9/10

+ sign 0.018+/-0.033 χ^2/NDF: 30.0/27

All: 0.037+/-0.023 χ^2/NDF: 55.7/57

- 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: 130.510+/-0.030 χ^2/NDF:278451.0/11

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

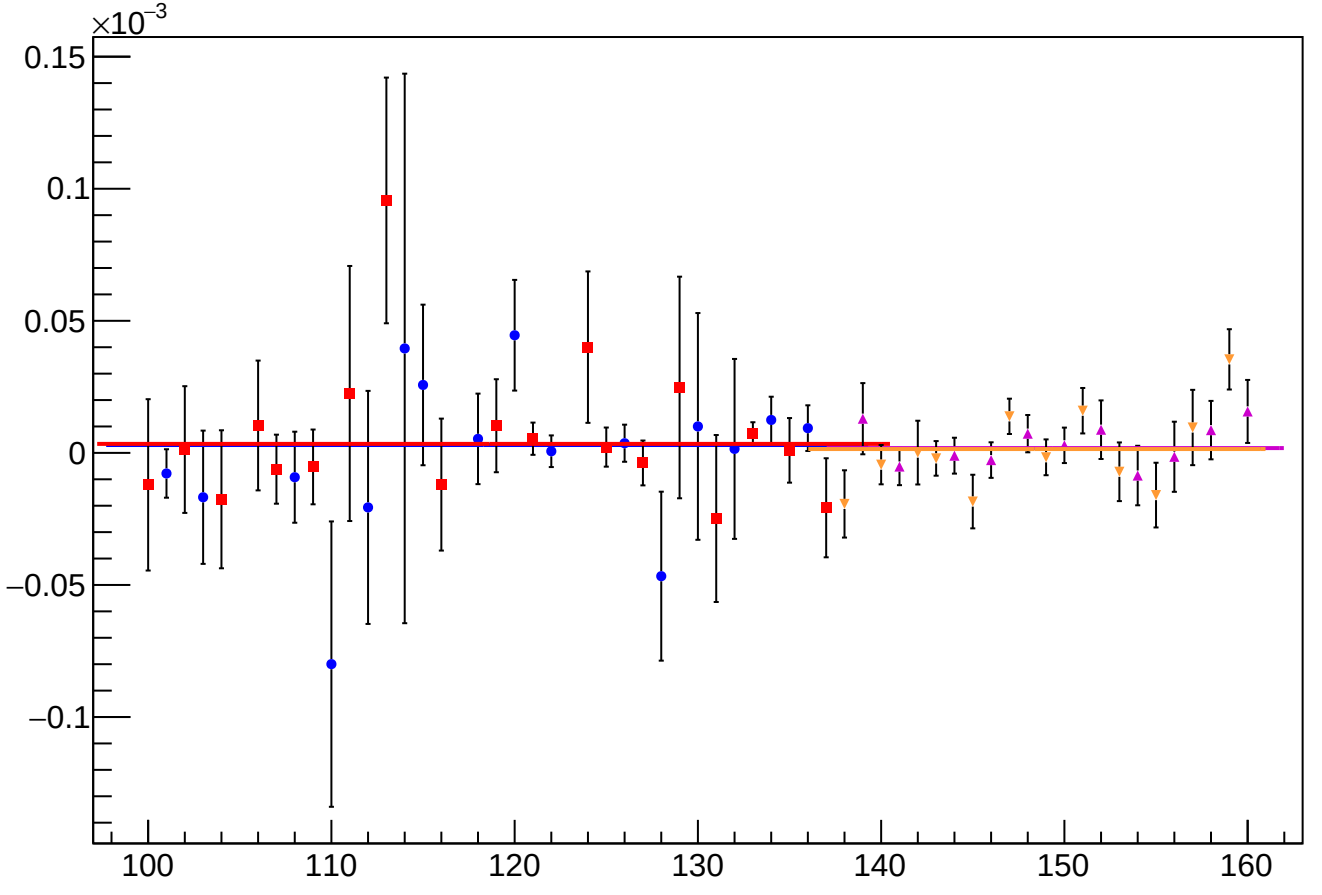
Left In: 130.715+/-0.031 χ^2/NDF:345762.1/10

+ sign 129.646+/-0.023 χ^2/NDF: 2085542.9/27

All: 129.908+/-0.017 χ^2/NDF: 4320594.1/57

- 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:25.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

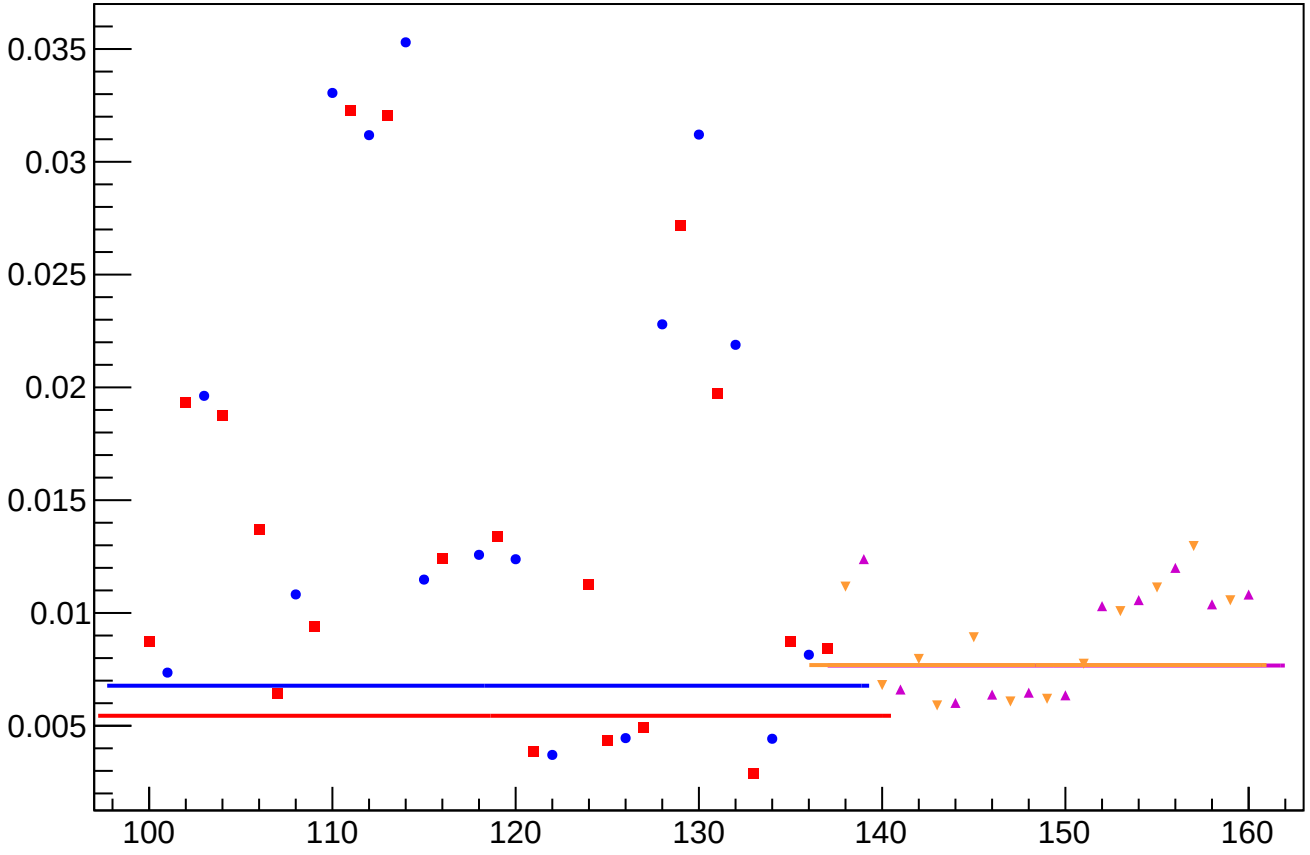
Left In: 0.000+/-0.000 χ^2/NDF:6.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/27

All: 0.000+/-0.000 χ^2/NDF: 58.7/57

- 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:1221916.5/11

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

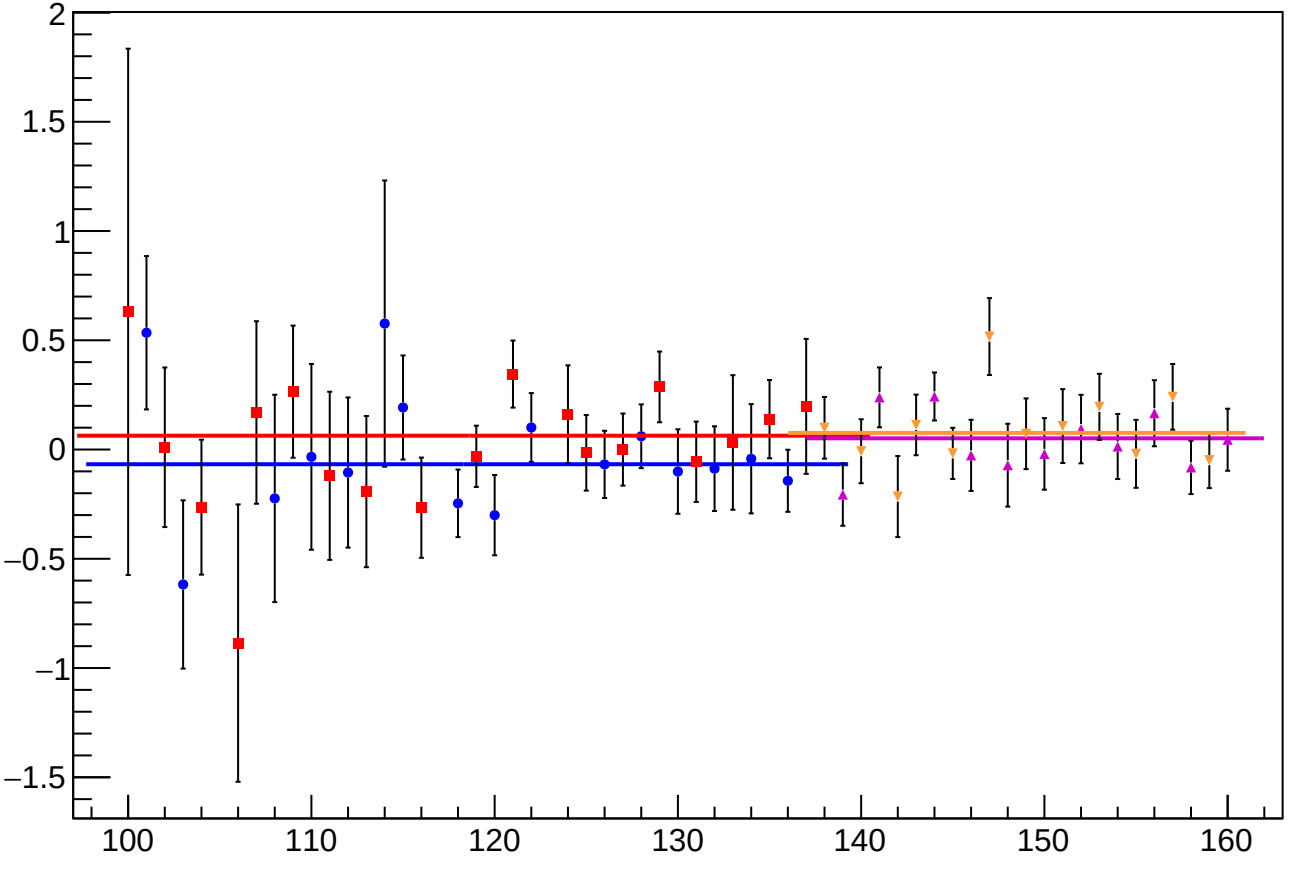
Left In: 0.008+/-0.000 χ^2/NDF:1335638.8/10

+ sign 0.007+/-0.000 χ^2/NDF: 6095233.7/27

All: 0.007+/-0.000 χ^2/NDF: 13898538.5/57

- sign 0.007+/-0.000 χ^2/NDF: 7644769.2/29

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.076+/-0.043 χ^2/NDF:13.0/11

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

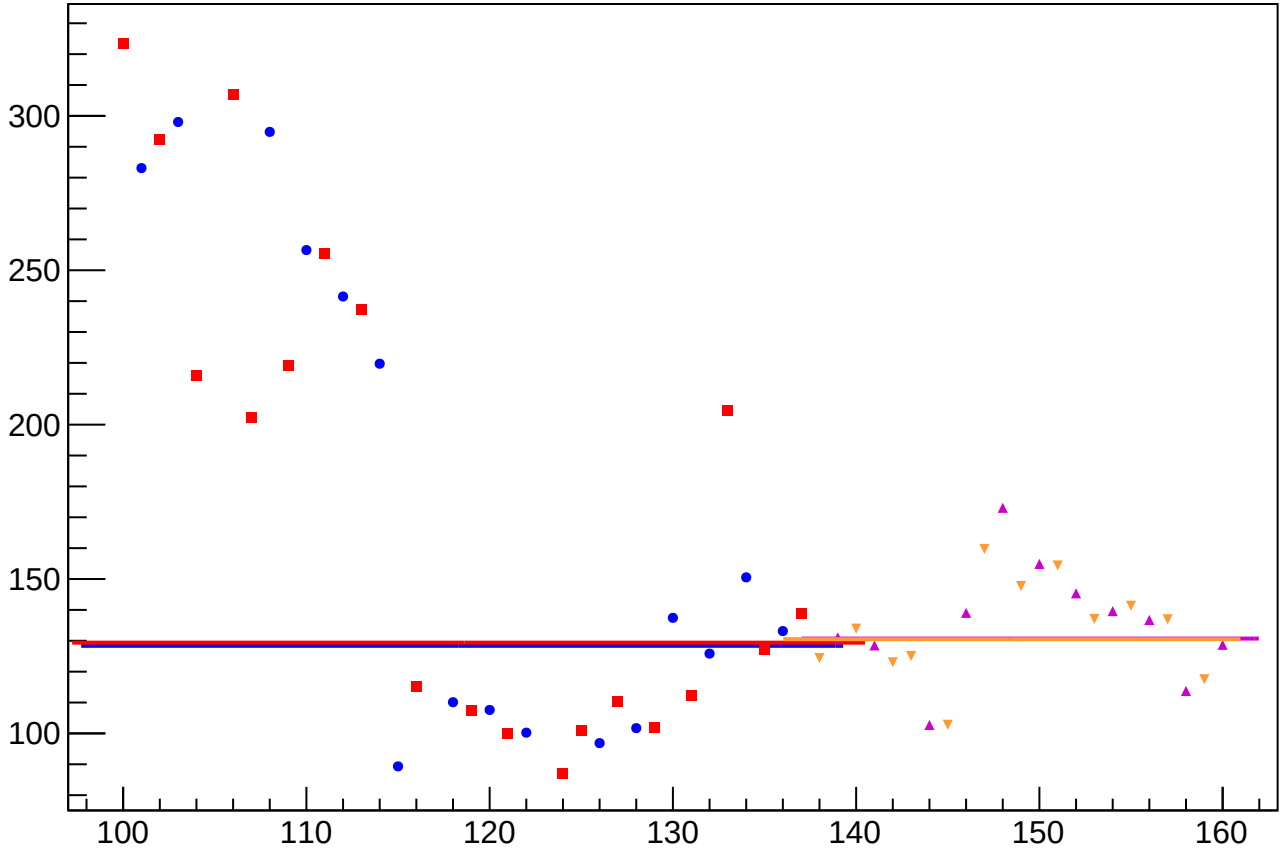
Left In: 0.051+/-0.043 χ^2/NDF:10.9/10

+ sign 0.018+/-0.033 χ^2/NDF: 30.0/27

All: 0.037+/-0.023 χ^2/NDF: 55.7/57

- 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: 130.510+/-0.030 χ^2/NDF:278479.0/11

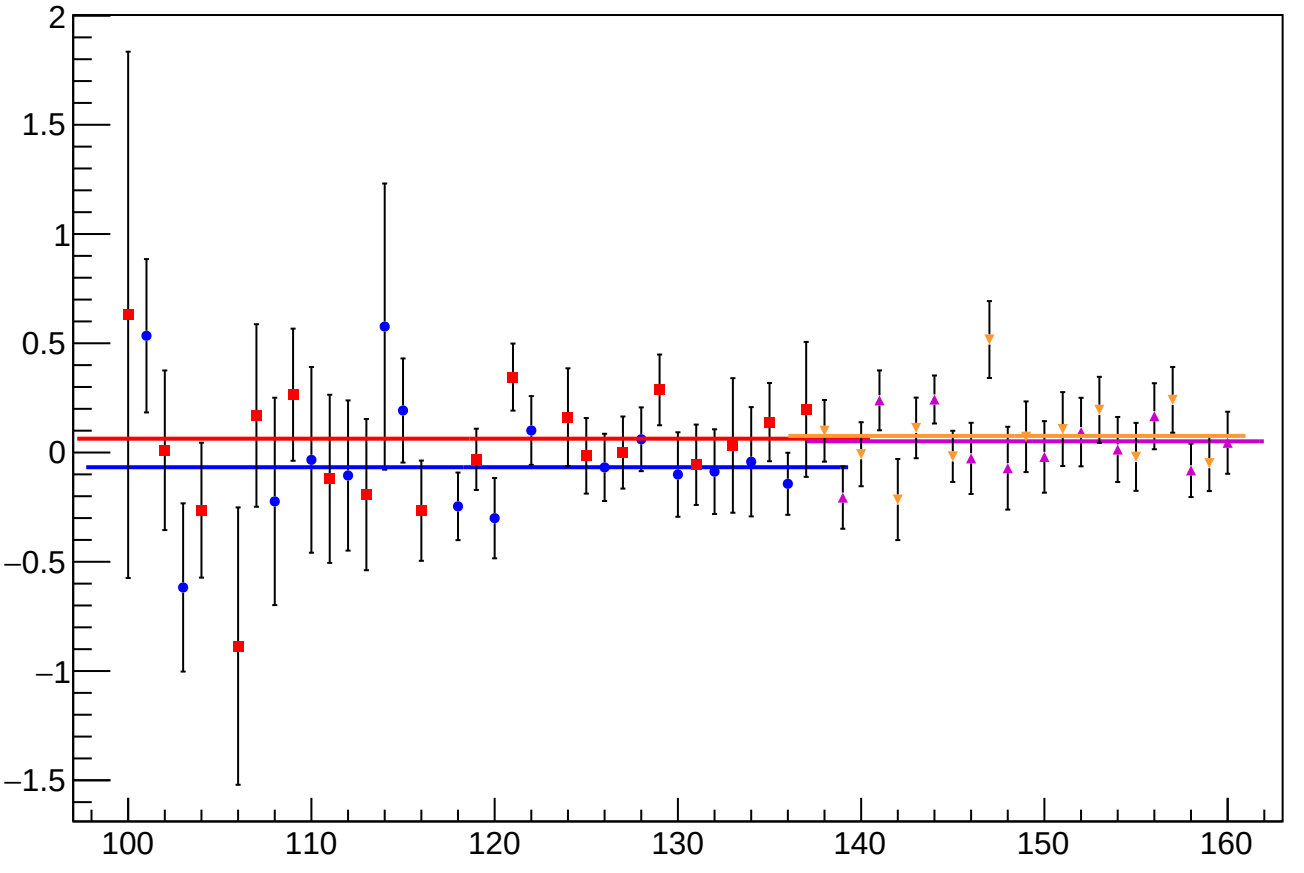
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.715+/-0.031 χ^2/NDF:345777.5/10

+ sign 129.645+/-0.023 χ^2/NDF: 2085524.7/27

All: 129.906+/-0.017 χ^2/NDF: 4320595.5/57

- 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: 0.076+/-0.043 χ^2/NDF:13.0/11

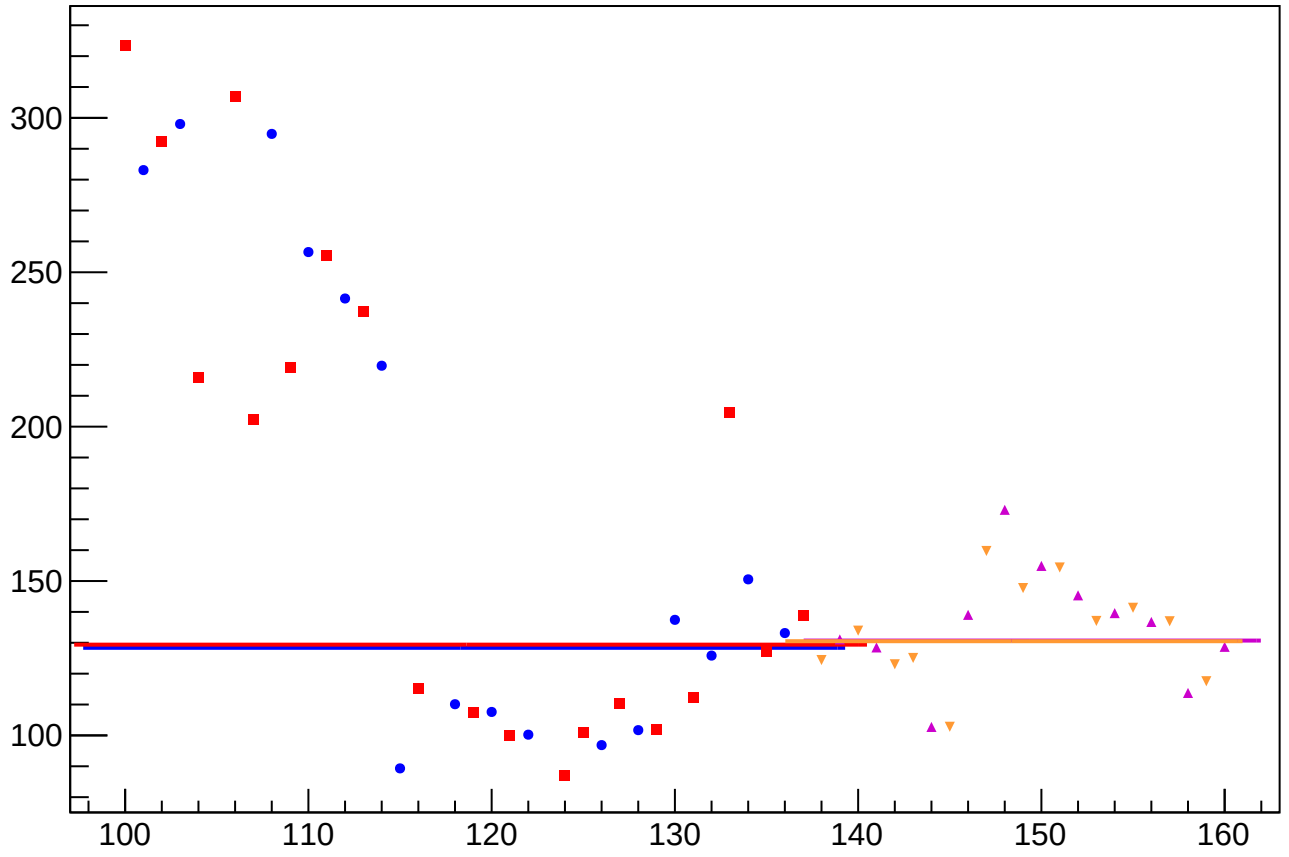
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.051+/-0.043 χ^2/NDF:10.9/10

+ sign 0.018+/-0.033 χ^2/NDF: 30.0/27

All: 0.037+/-0.023 χ^2/NDF: 55.7/57

- 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: 130.510+/-0.030 χ^2/NDF:278479.0/11

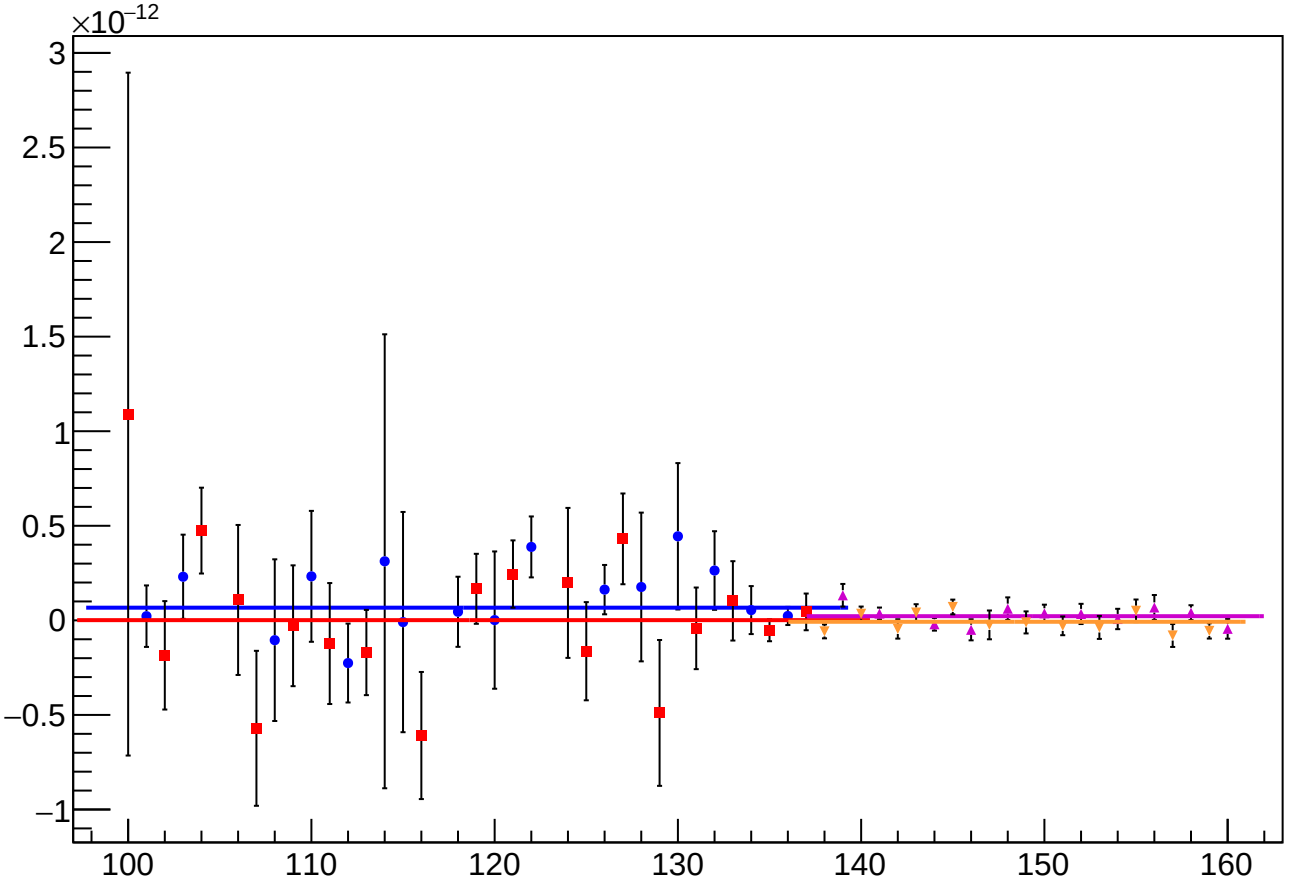
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.715+/-0.031 χ^2/NDF:345777.5/10

+ sign 129.645+/-0.023 χ^2/NDF: 2085524.7/27

All: 129.906+/-0.017 χ^2/NDF: 4320595.5/57

- sign 130.171+/-0.023 χ^2/NDF: 2234817.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/11

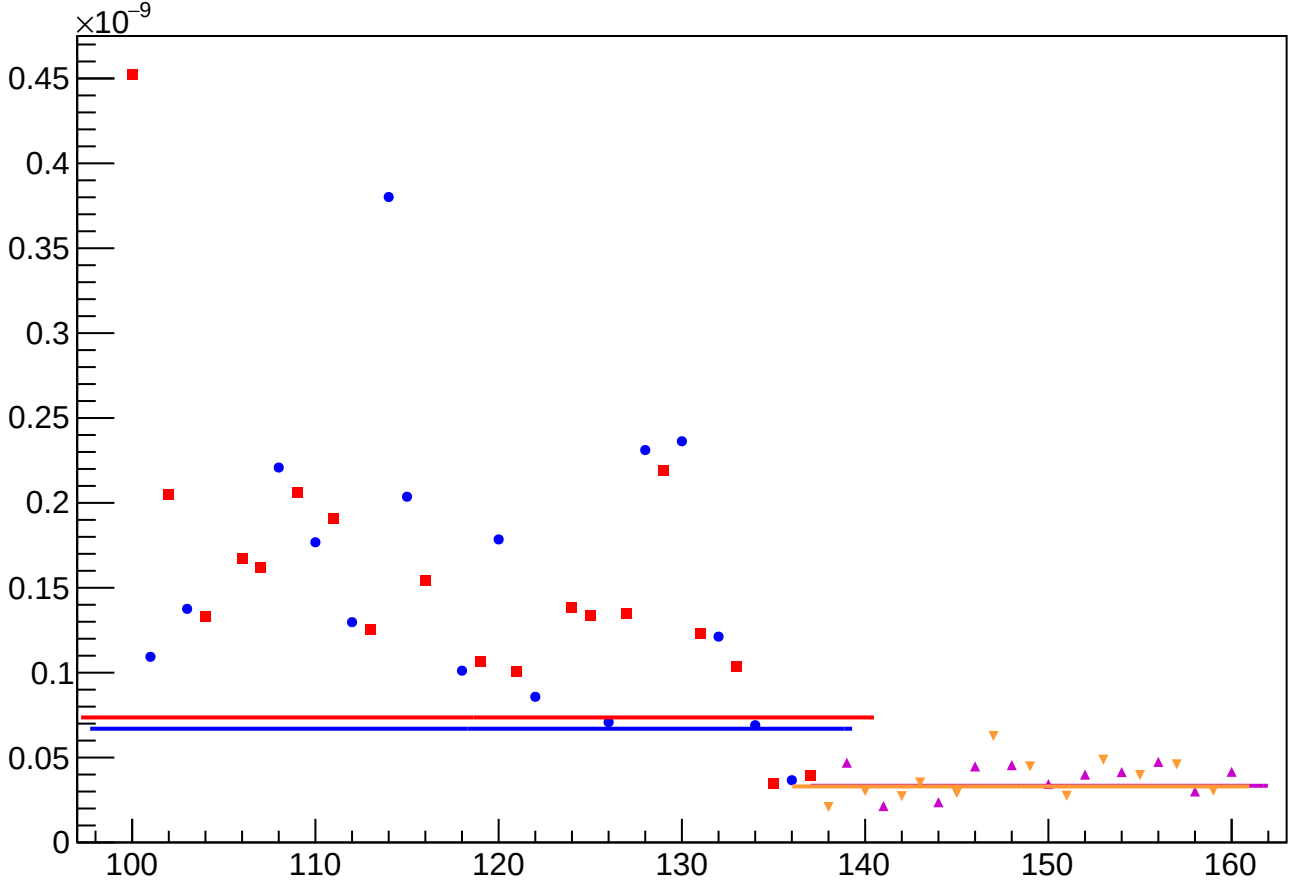
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/27

All: 0.000+/-0.000 χ^2/NDF: 59.0/57

- 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:949371.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

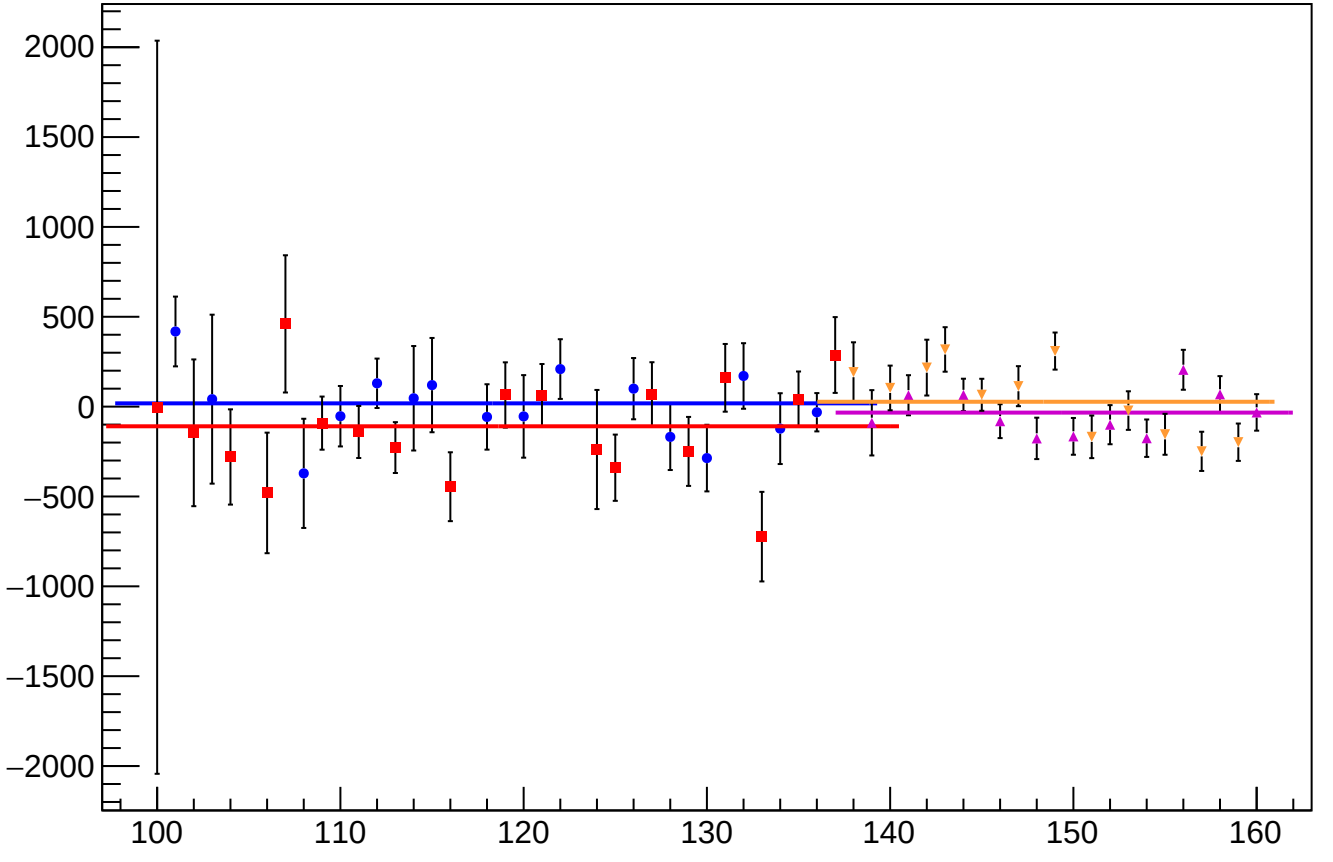
Left In: 0.000+/-0.000 χ^2/NDF:951106.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 5676638.5/27

All: 0.000+/-0.000 χ^2/NDF: 12139537.0/57

- 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: 27.085+/-32.964 χ^2/NDF:33.2/11

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

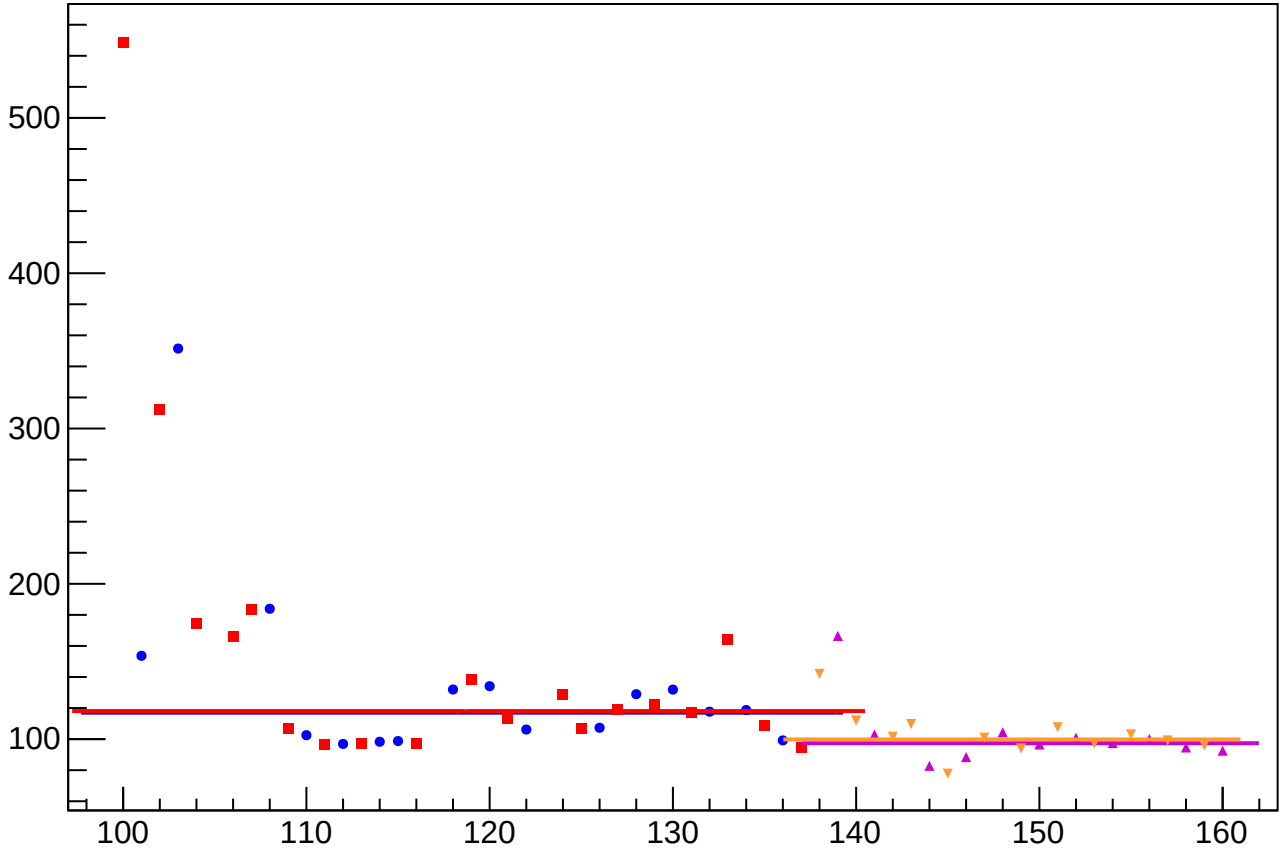
Left In: -33.304+/-32.113 χ^2/NDF:13.4/10

+ sign 24.046+/-26.736 χ^2/NDF: 47.1/27

All: -17.846+/-18.748 χ^2/NDF: 92.6/57

- 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: 99.789+/-0.023 χ^2/NDF:305395.3/11

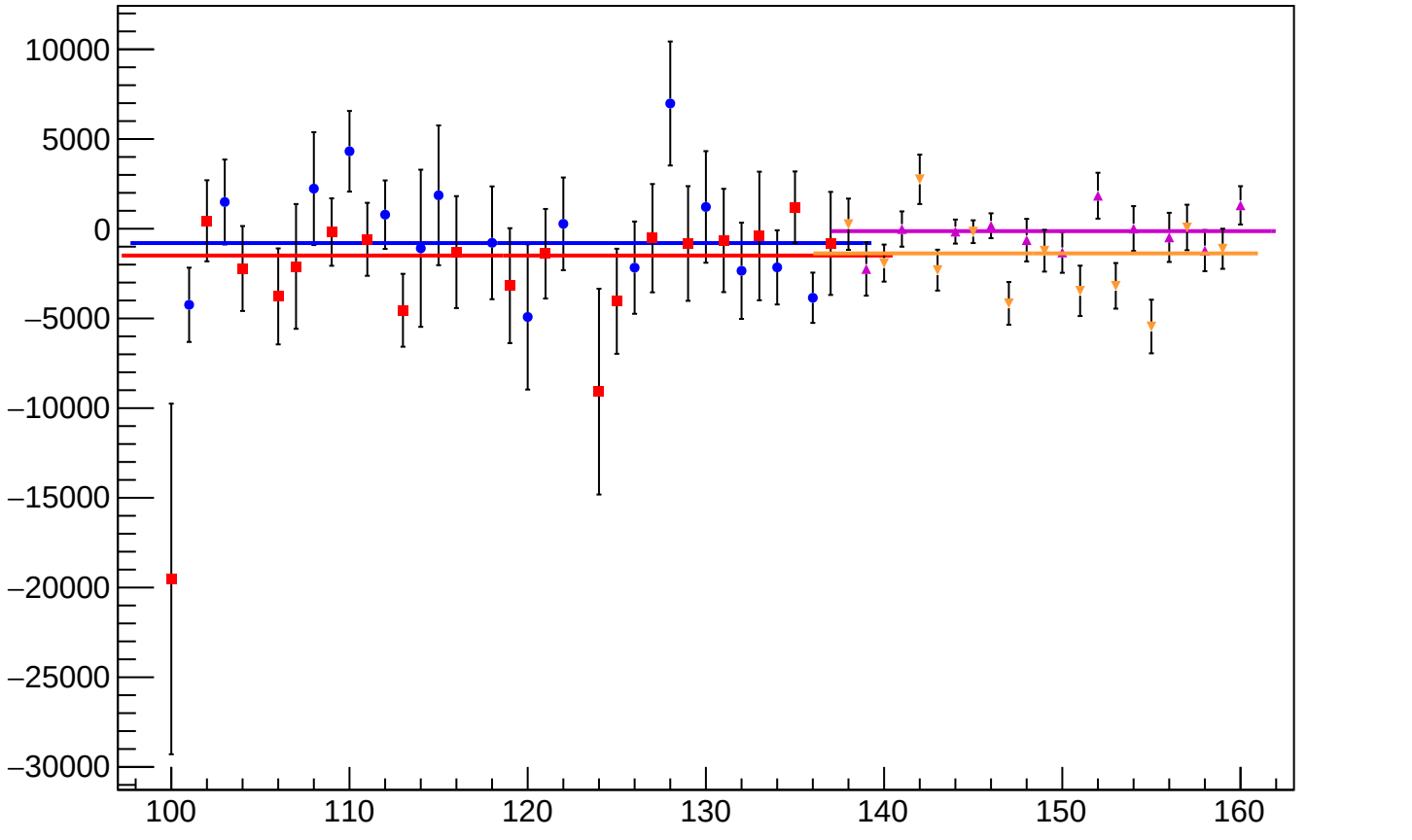
Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 97.374+/-0.023 χ^2/NDF:381320.4/10

+ sign 105.700+/-0.019 χ^2/NDF: 1351723.9/27

All: 104.930+/-0.013 χ^2/NDF: 3000306.9/57

- sign 104.186+/-0.019 χ^2/NDF: 1645324.9/29



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1375.240+/-322.032 χ^2/NDF:33.4/11

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

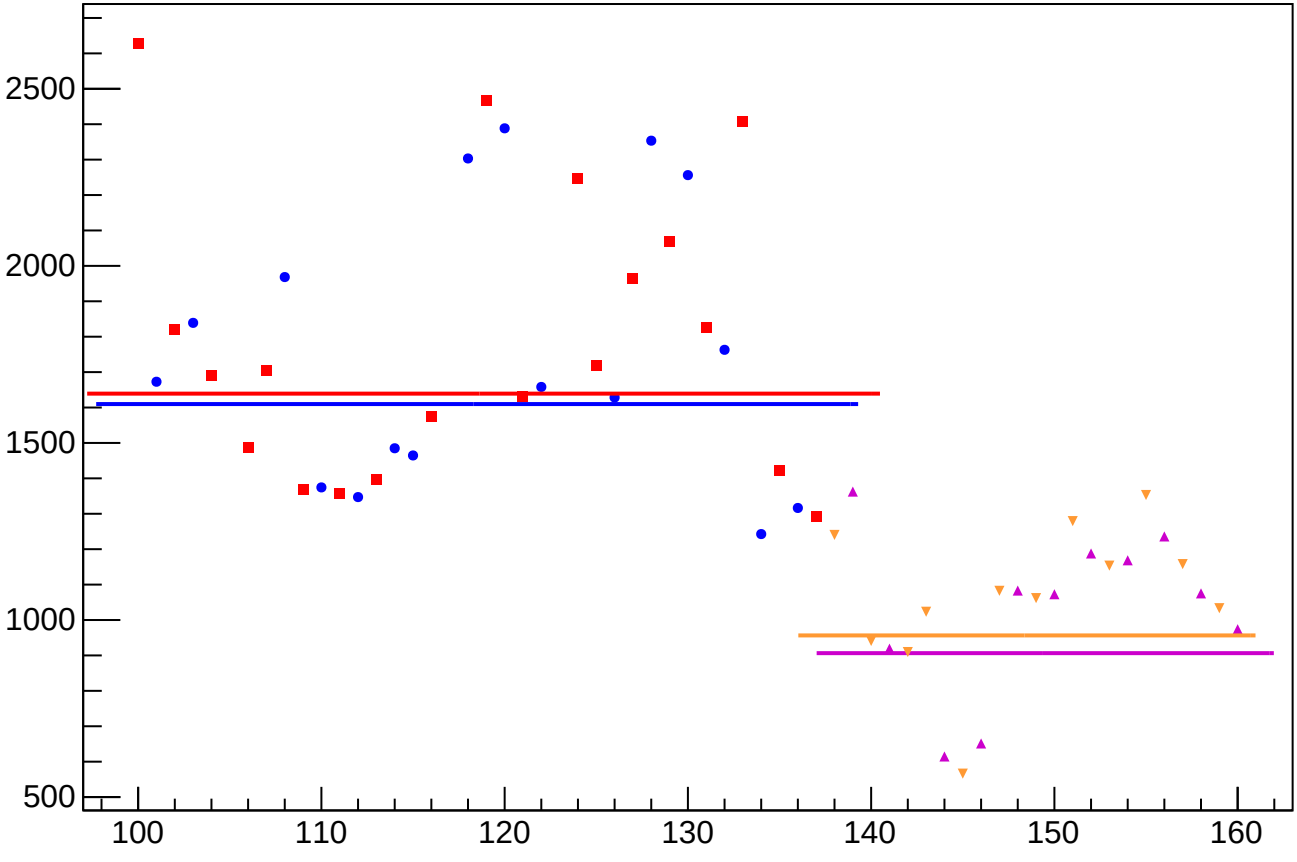
Left In: -133.696+/-305.776 χ^2/NDF:8.7/10

+ sign -1251.589+/-285.388 χ^2/NDF: 57.5/27

All: -810.311+/-197.512 χ^2/NDF: 87.6/57

- 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: 956.497+/-0.228 χ^2/NDF:1236928.6/11

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

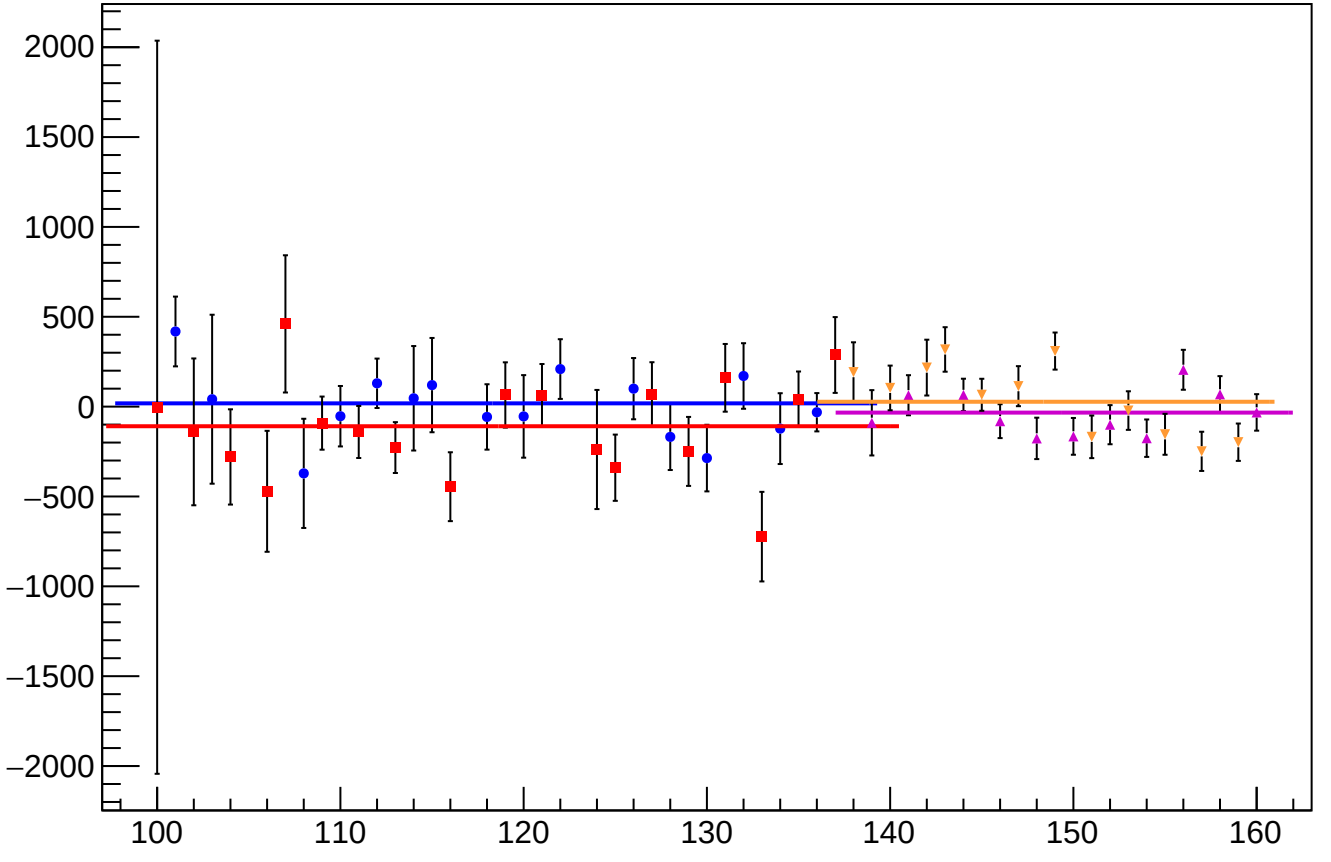
Left In: 906.439+/-0.216 χ^2/NDF:1276373.0/10

+ sign 1096.713+/-0.202 χ^2/NDF: 3622637.8/27

All: 1073.630+/-0.140 χ^2/NDF: 7732393.7/57

- 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: 27.089+/-32.964 χ^2/NDF:33.2/11

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

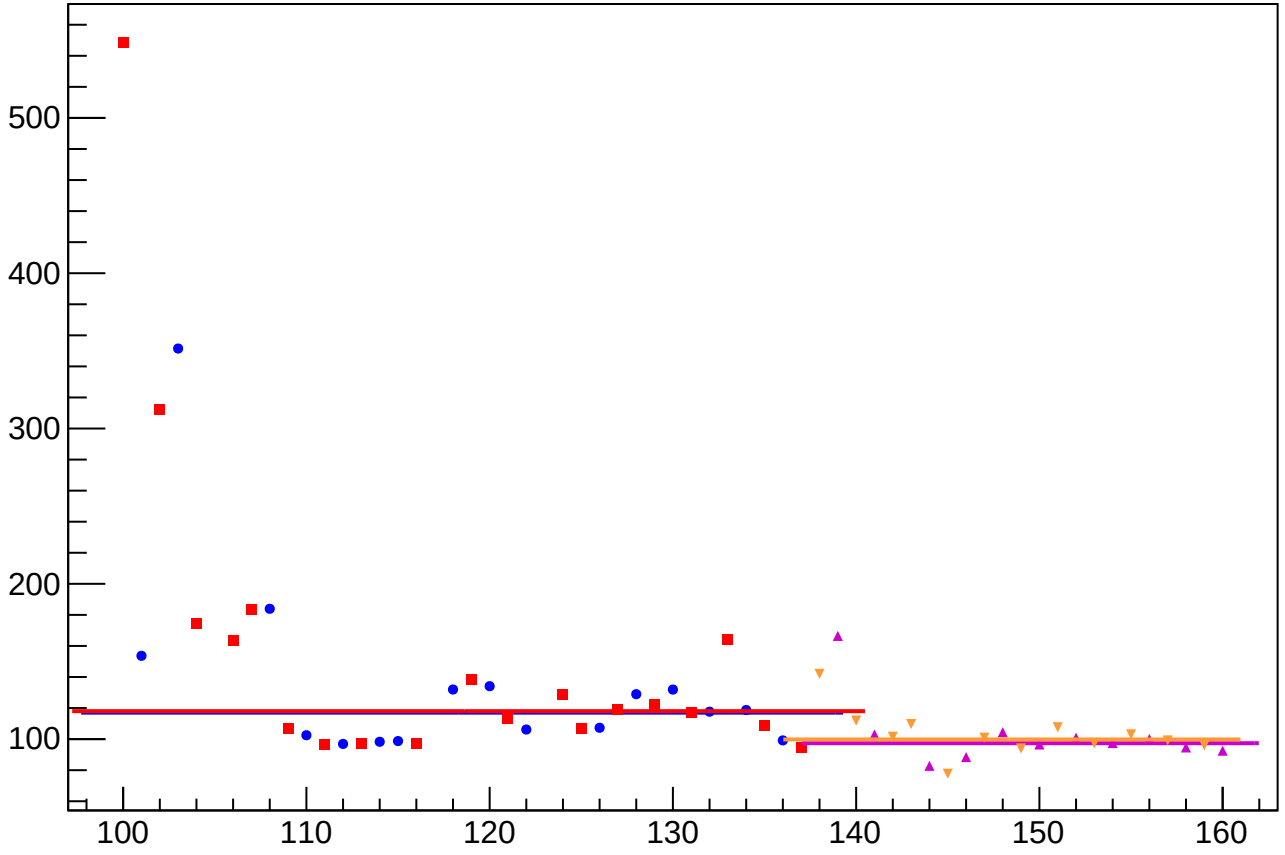
Left In: -33.308+/-32.113 χ^2/NDF:13.4/10

+ sign 24.044+/-26.736 χ^2/NDF: 47.1/27

All: -17.799+/-18.749 χ^2/NDF: 92.5/57

- 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: 99.789+/-0.023 χ^2/NDF:305395.3/11

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

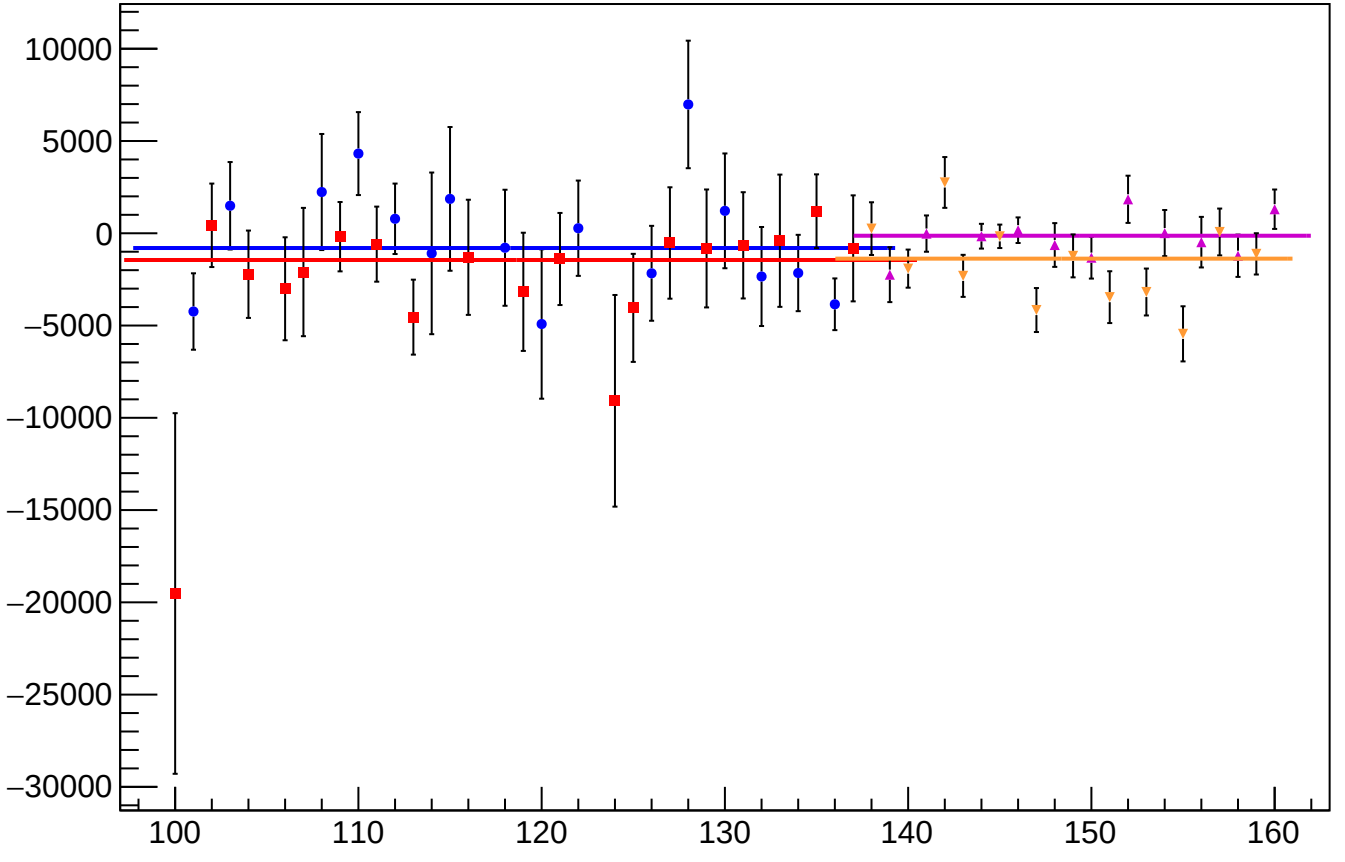
Left In: 97.374+/-0.023 χ^2/NDF:381320.4/10

+ sign 105.700+/-0.019 χ^2/NDF: 1351725.8/27

All: 104.922+/-0.013 χ^2/NDF: 2994800.3/57

- sign 104.169+/-0.019 χ^2/NDF: 1639740.1/29

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1375.235+/-322.032 χ^2/NDF:33.4/11

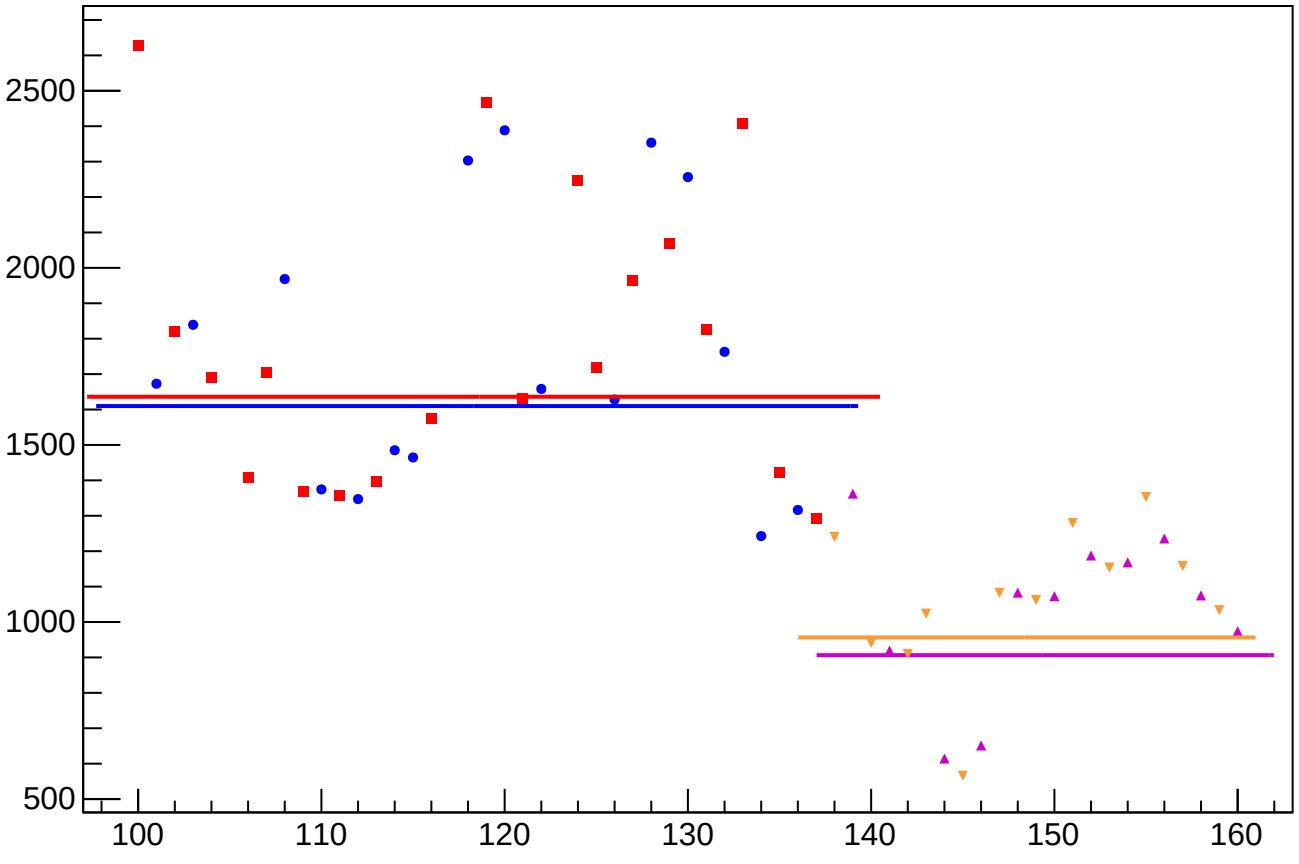
Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: -133.703+/-305.776 χ^2/NDF:8.7/10

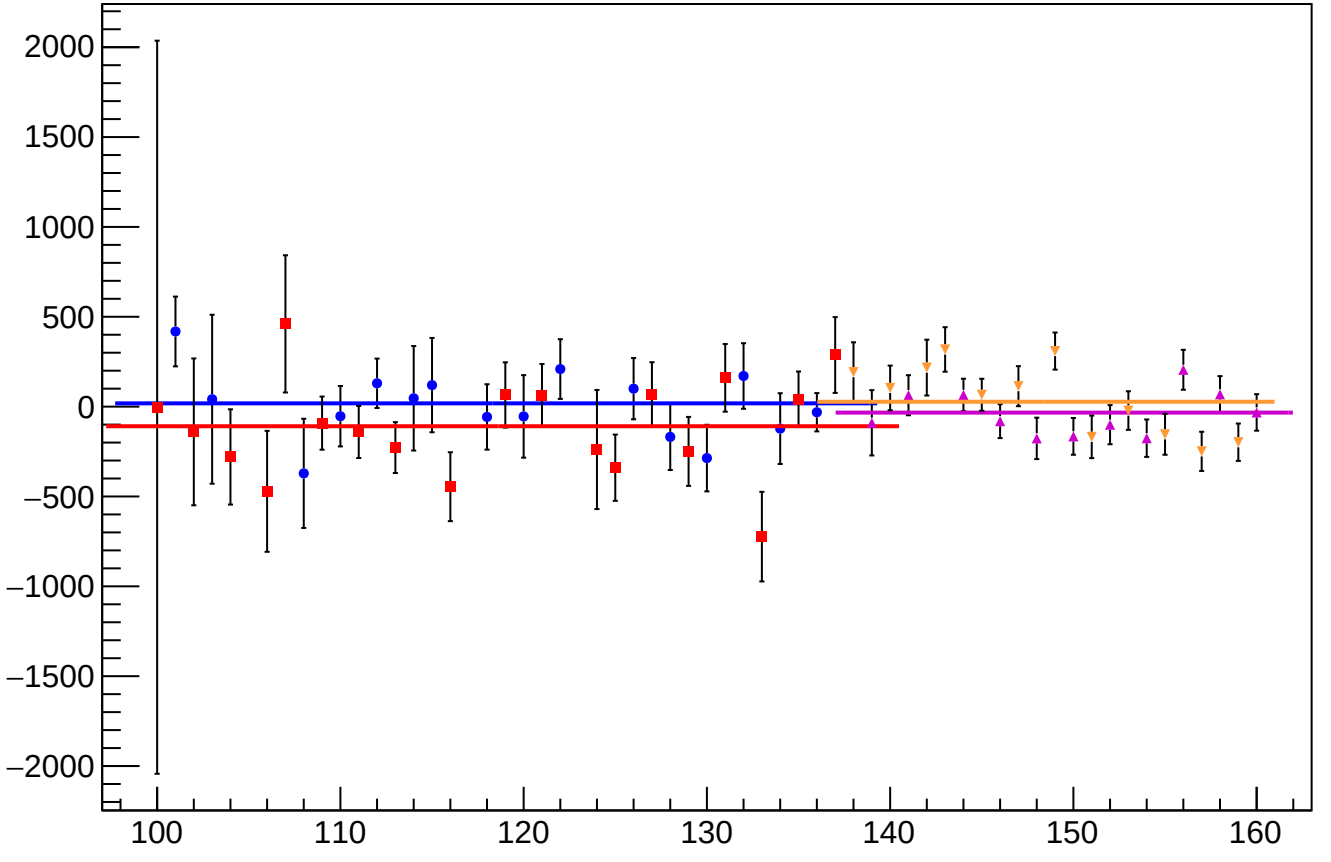
+ sign -1251.582+/-285.388 χ^2/NDF: 57.5/27

All: -805.300+/-197.557 χ^2/NDF: 87.0/57

- sign -394.671+/-273.751 χ^2/NDF: 24.8/29


asym_sam3_cor_correction_rms vs Slug
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 1609.791+/-0.436 χ²/NDF: 619158.3/15
Left Out: 956.497+/-0.228 χ²/NDF:1236929.9/11
Right Out: 1636.046+/-0.434 χ²/NDF: 527809.9/18
Left In: 906.439+/-0.216 χ²/NDF:1276375.4/10
+ sign 1096.713+/-0.202 χ²/NDF: 3622699.9/27
All: 1073.042+/-0.140 χ²/NDF: 7713528.0/57
- sign 1051.262+/-0.194 χ²/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: 27.089+/-32.964 χ^2/NDF:33.2/11

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

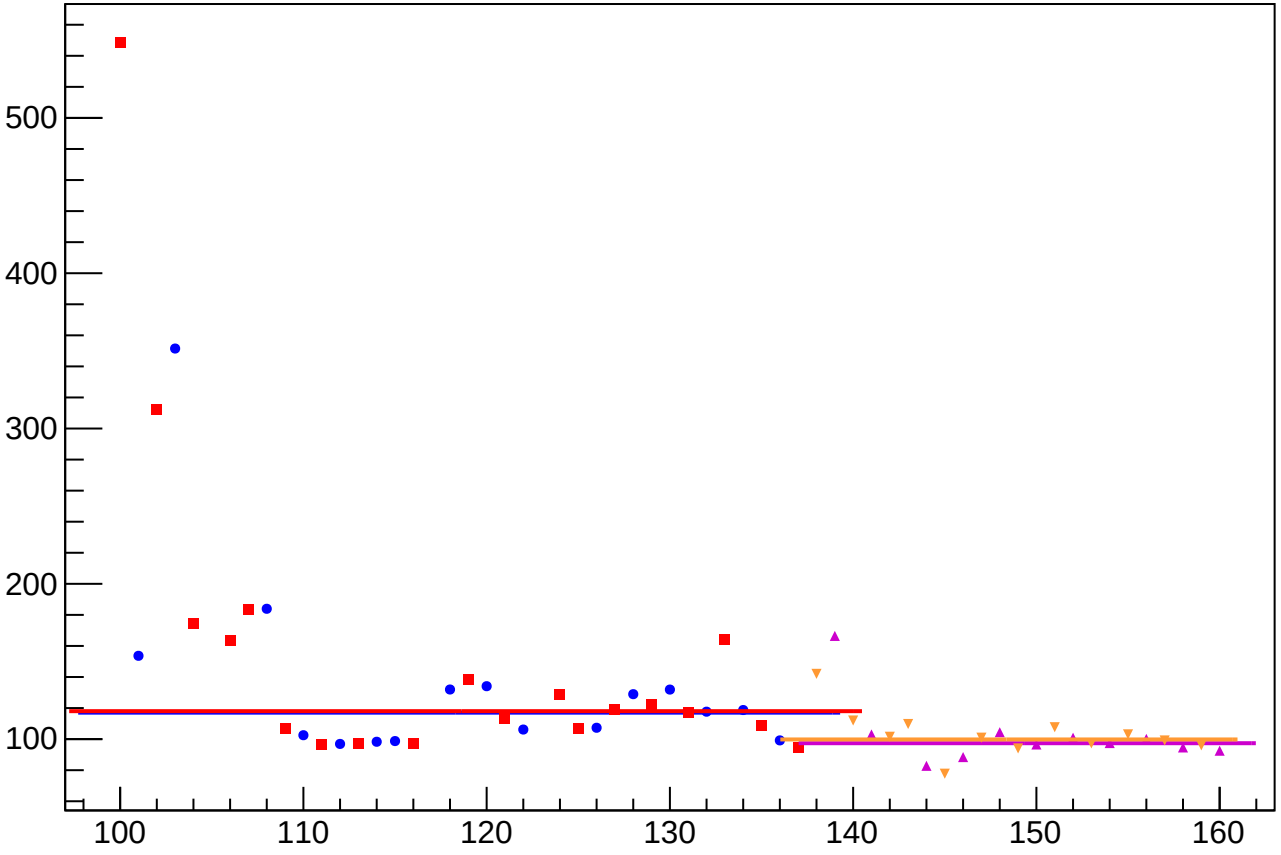
Left In: -33.308+/-32.113 χ^2/NDF:13.4/10

+ sign 24.044+/-26.736 χ^2/NDF: 47.1/27

All: -17.799+/-18.749 χ^2/NDF: 92.5/57

- 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: 99.789+/-0.023 χ^2/NDF:305395.3/11

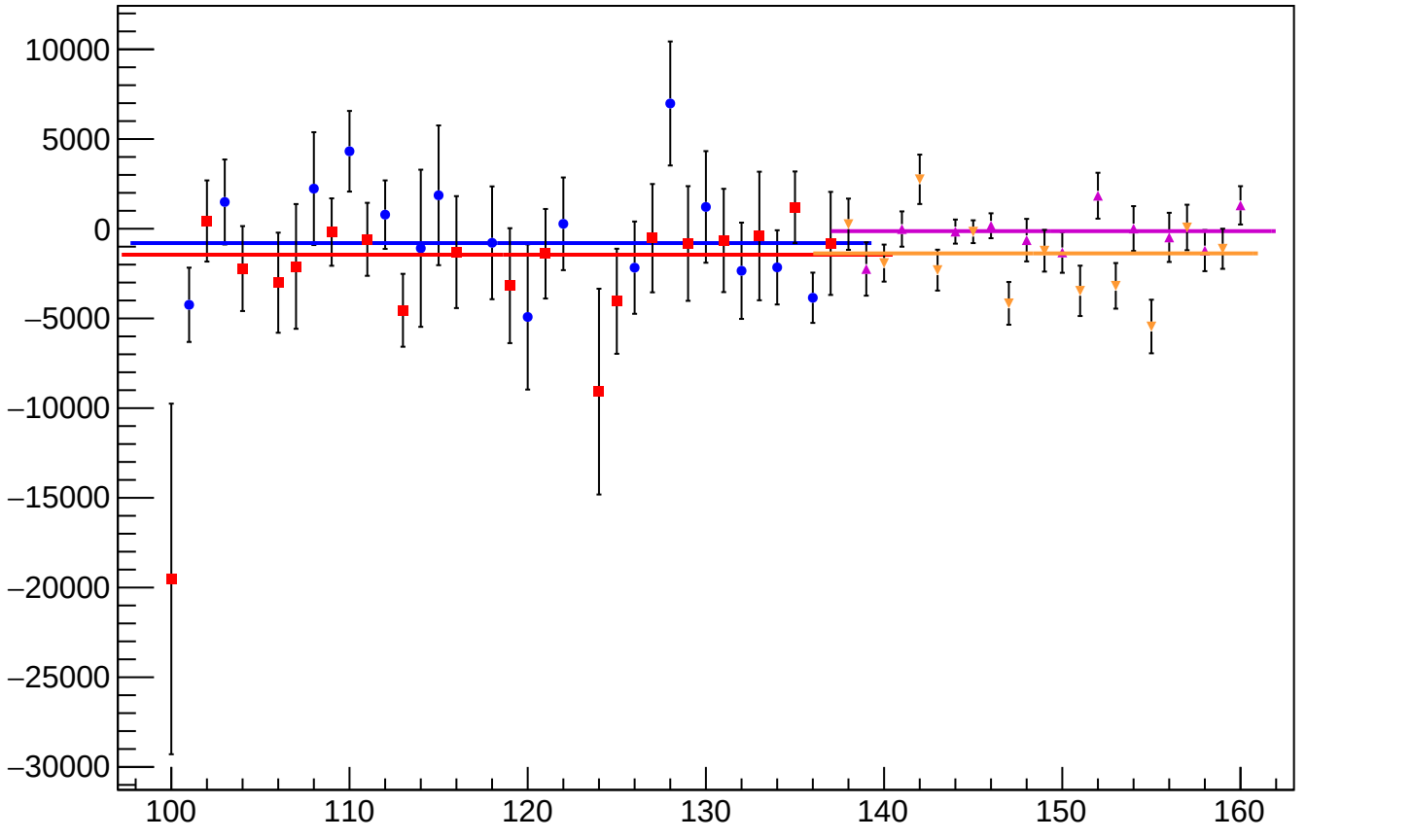
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.374+/-0.023 χ^2/NDF:381320.4/10

+ sign 105.700+/-0.019 χ^2/NDF: 1351725.8/27

All: 104.922+/-0.013 χ^2/NDF: 2994800.3/57

- 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: -1375.235+/-322.032 χ^2/NDF:33.4/11

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

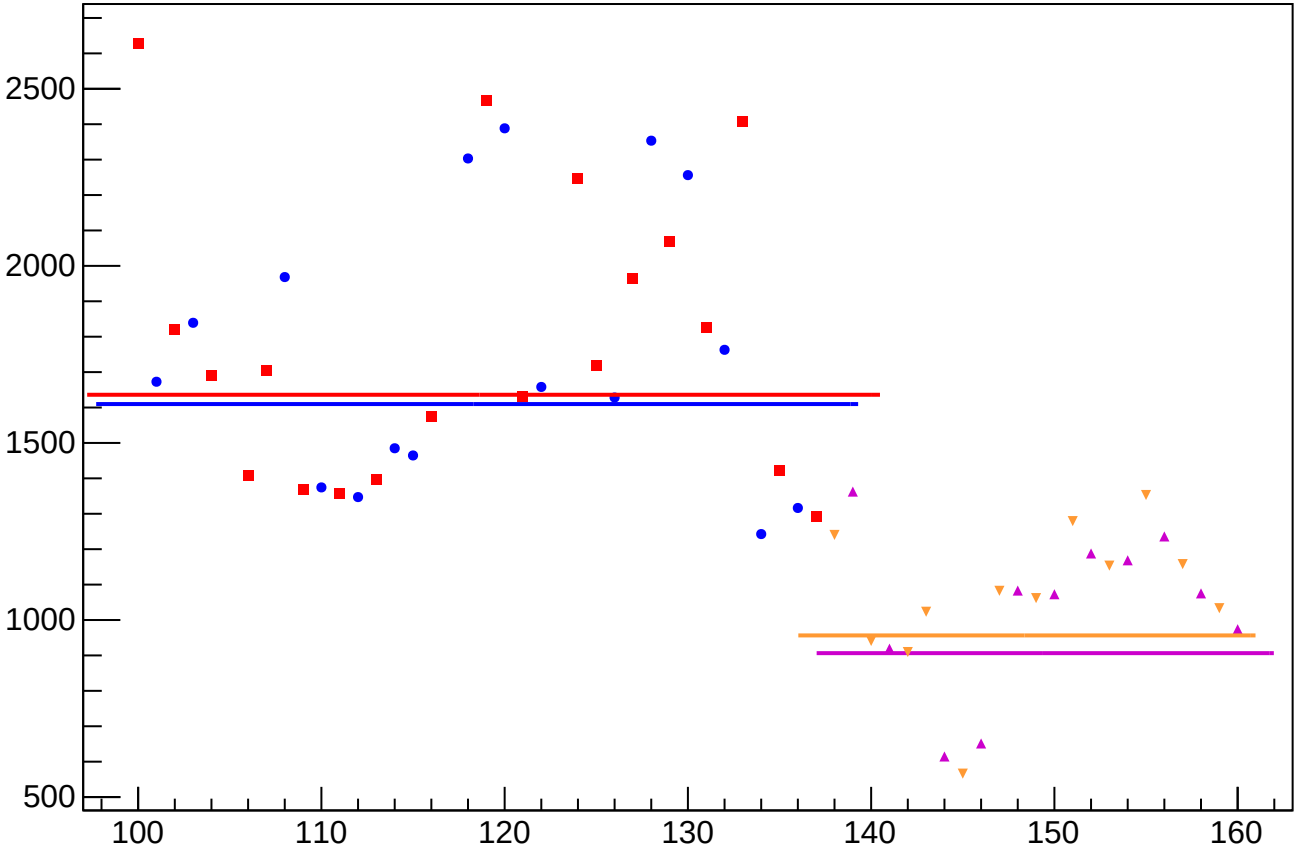
Left In: -133.703+/-305.776 χ^2/NDF:8.7/10

+ sign -1251.582+/-285.388 χ^2/NDF: 57.5/27

All: -805.300+/-197.557 χ^2/NDF: 87.0/57

- 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: 956.497+/-0.228 χ^2/NDF:1236929.9/11

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

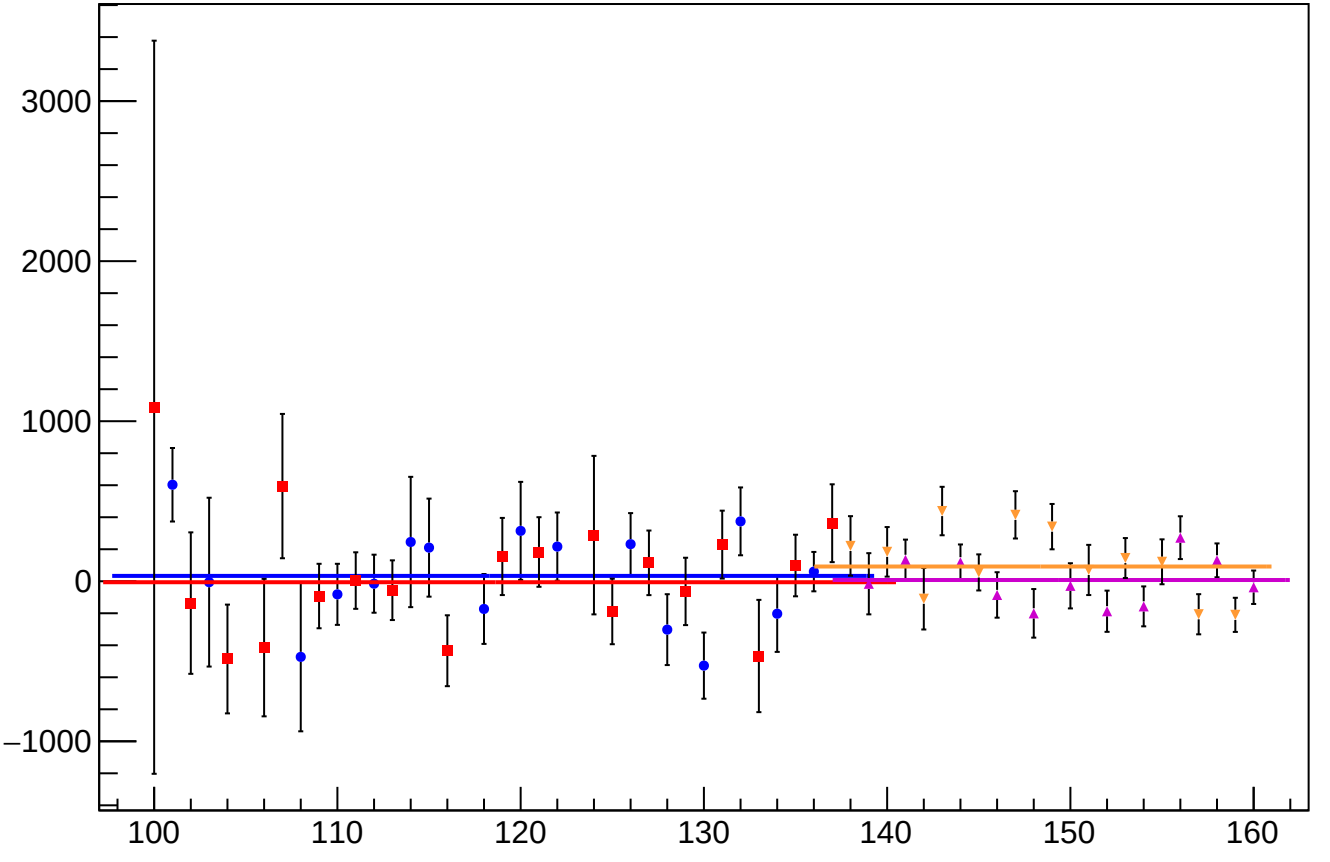
Left In: 906.439+/-0.216 χ^2/NDF:1276375.4/10

+ sign 1096.713+/-0.202 χ^2/NDF: 3622699.9/27

All: 1073.042+/-0.140 χ^2/NDF: 7713528.0/57

- 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: 92.085+/-40.066 χ^2/NDF:29.1/11

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

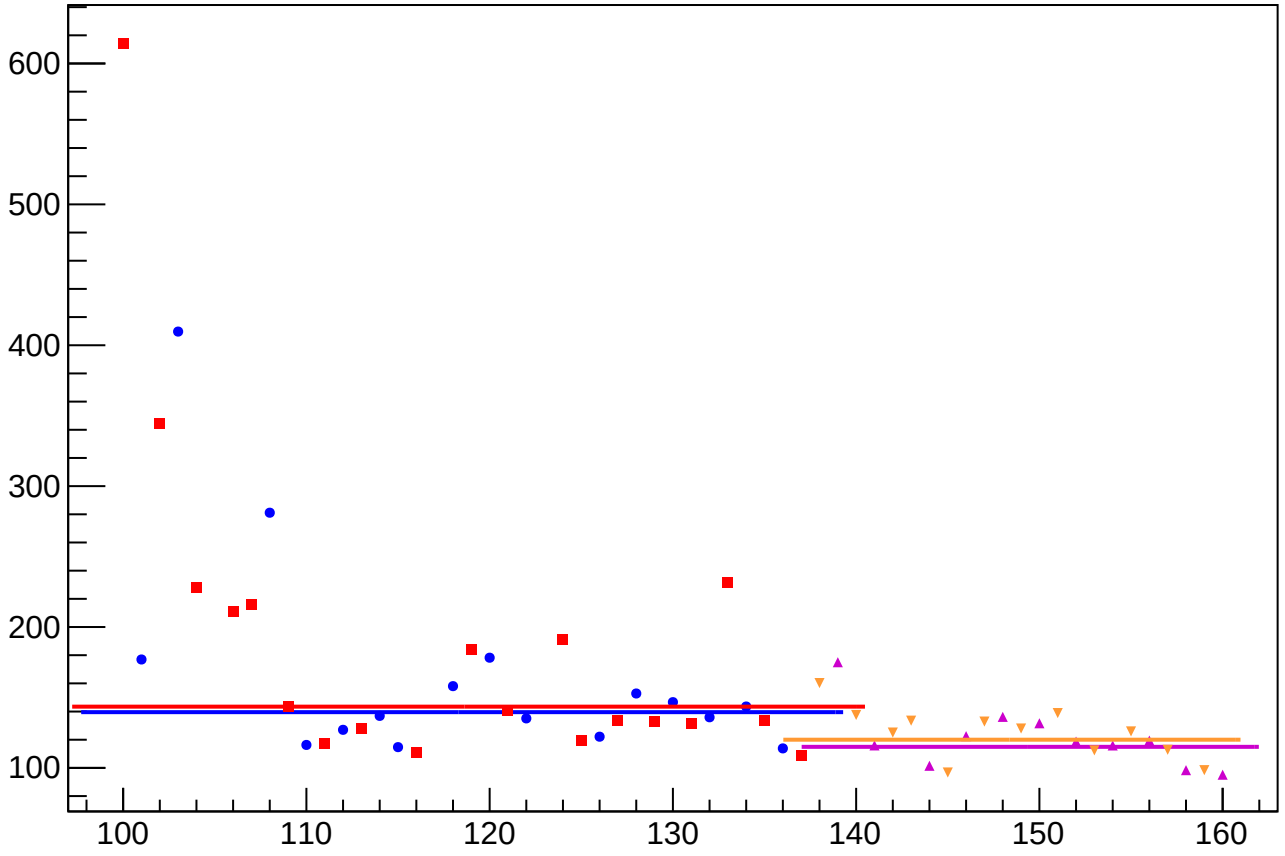
Left In: 7.767+/-38.472 χ^2/NDF:13.9/10

+ sign 71.719+/-32.366 χ^2/NDF: 55.0/27

All: 36.842+/-22.657 χ^2/NDF: 88.5/57

- 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: 120.015+/-0.028 χ^2/NDF:371749.4/11

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

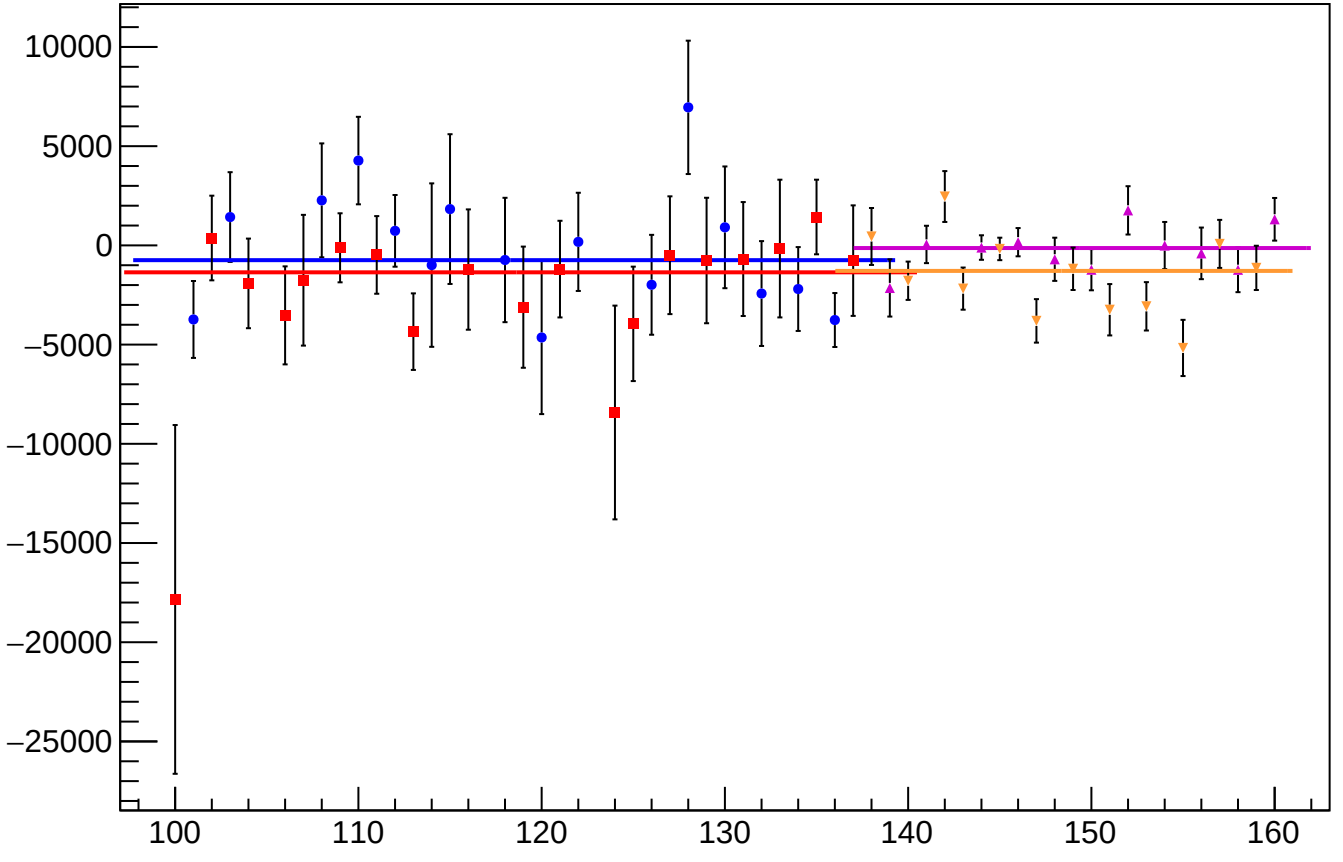
Left In: 114.951+/-0.027 χ^2/NDF:424538.3/10

+ sign 126.808+/-0.023 χ^2/NDF: 1513960.5/27

All: 125.416+/-0.016 χ^2/NDF: 3414270.6/57

- 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: -1286.351+/-299.646 χ^2/NDF:33.3/11

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

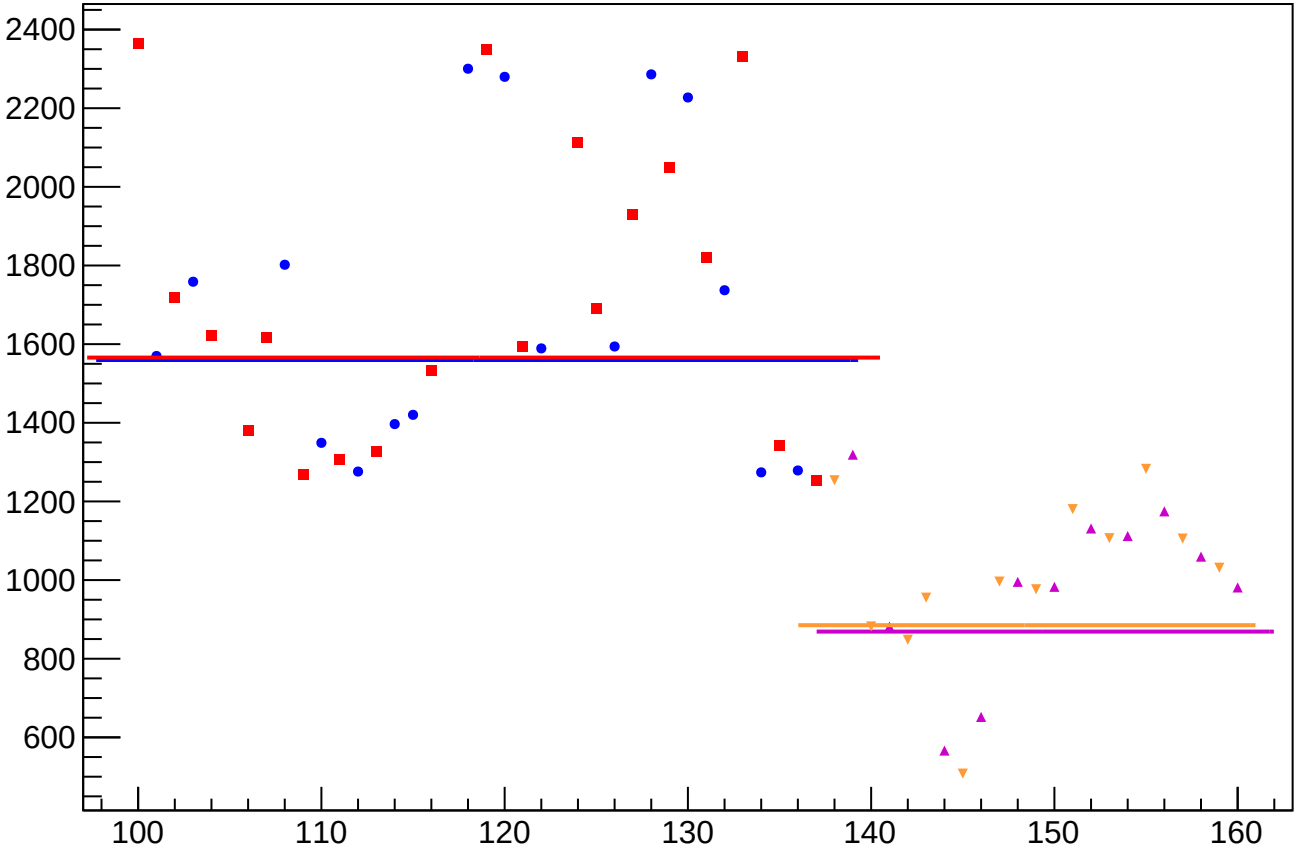
Left In: -133.949+/-293.680 χ^2/NDF:8.8/10

+ sign -1177.003+/-267.698 χ^2/NDF: 57.5/27

All: -770.628+/-187.440 χ^2/NDF: 87.8/57

- 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: 885.288+/-0.212 χ^2/NDF:1495005.2/11

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

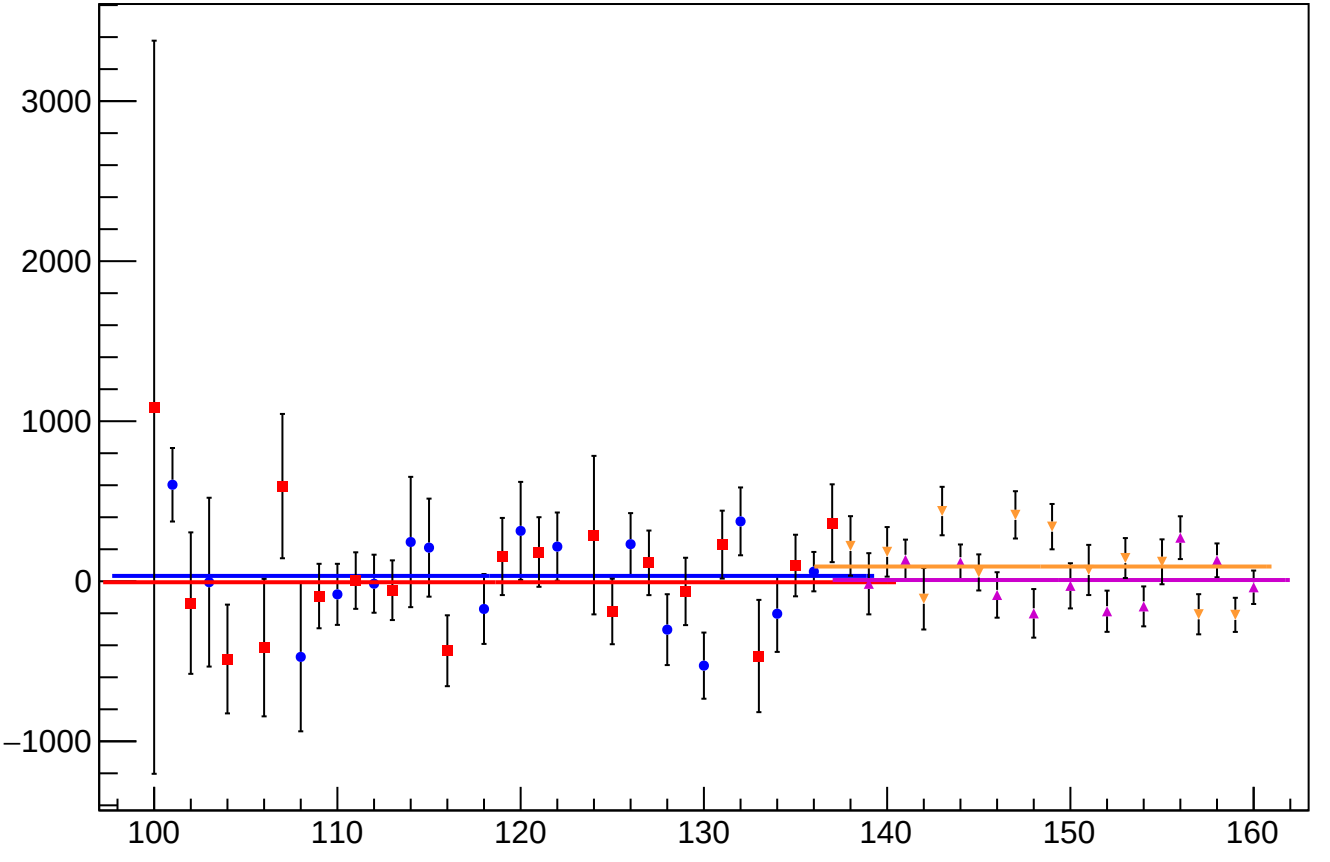
Left In: 868.980+/-0.208 χ^2/NDF:1277207.5/10

+ sign 1021.439+/-0.189 χ^2/NDF: 4144642.0/27

All: 1015.066+/-0.133 χ^2/NDF: 8249441.1/57

- 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: 92.088+/-40.067 χ^2/NDF:29.1/11

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

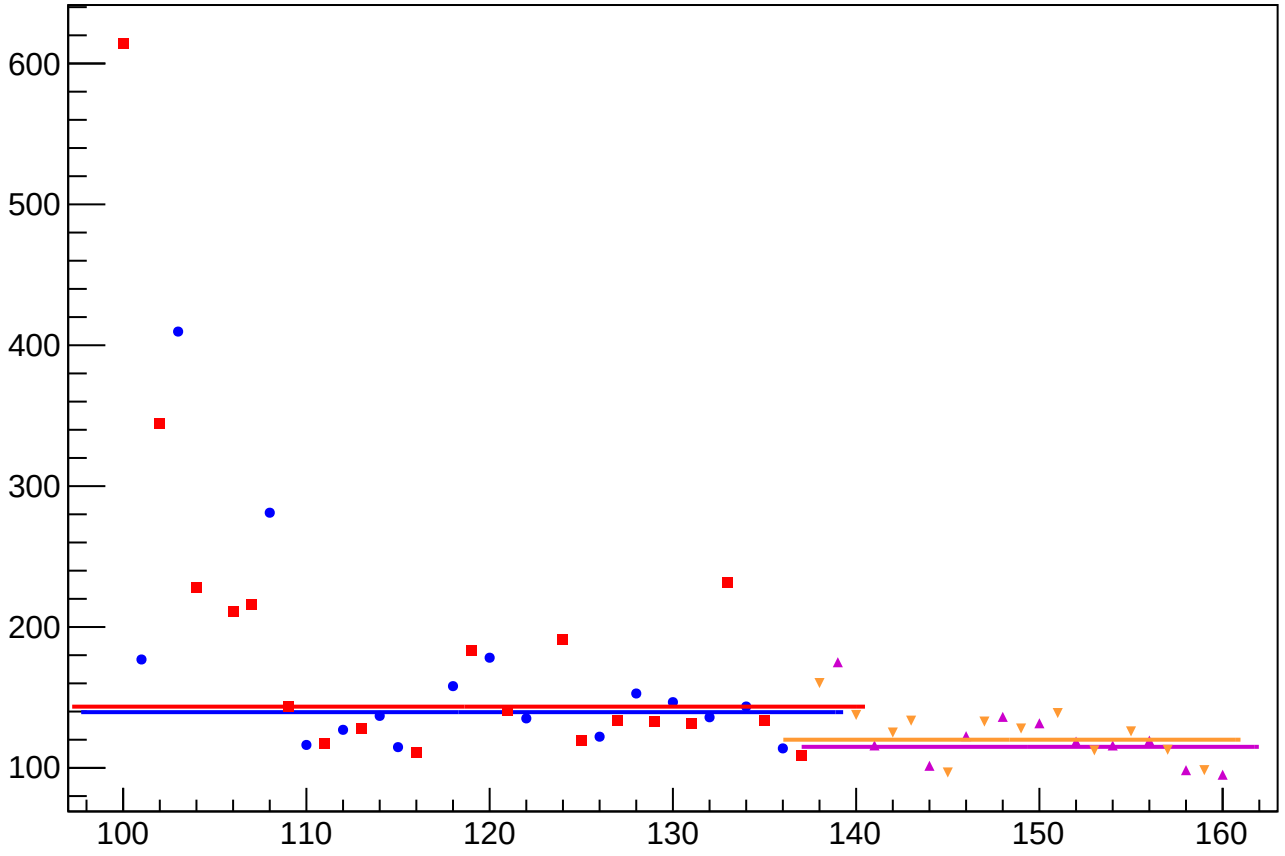
Left In: 7.768+/-38.472 χ^2/NDF:13.9/10

+ sign 71.720+/-32.366 χ^2/NDF: 55.0/27

All: 36.843+/-22.657 χ^2/NDF: 88.5/57

- 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: 120.016+/-0.028 χ^2/NDF:371761.5/11

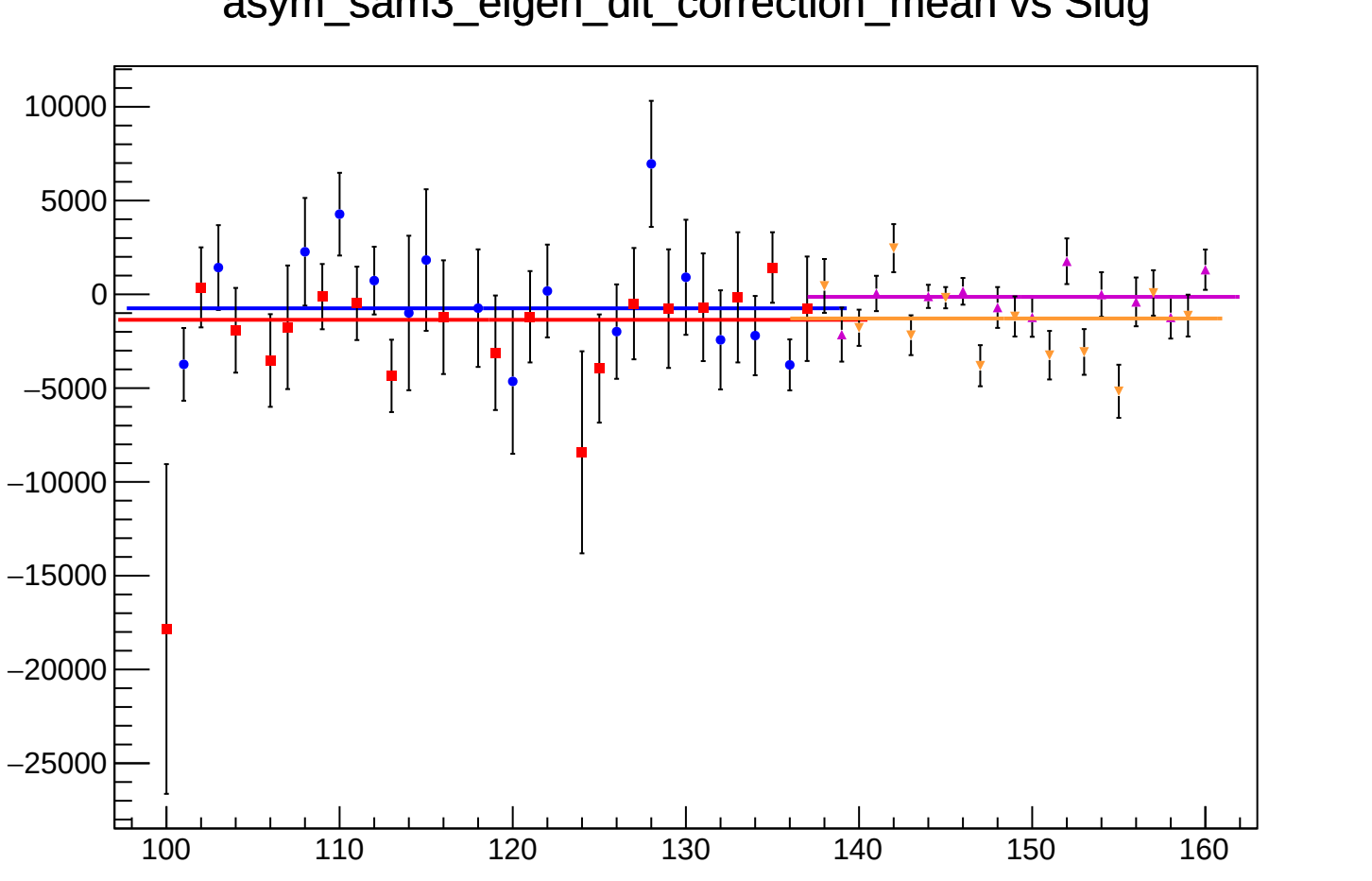
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 114.952+/-0.027 χ^2/NDF:424547.1/10

+ sign 126.809+/-0.023 χ^2/NDF: 1513967.5/27

All: 125.417+/-0.016 χ^2/NDF: 3414291.3/57

- 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: -1286.352+/-299.646 χ^2/NDF:33.3/11

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

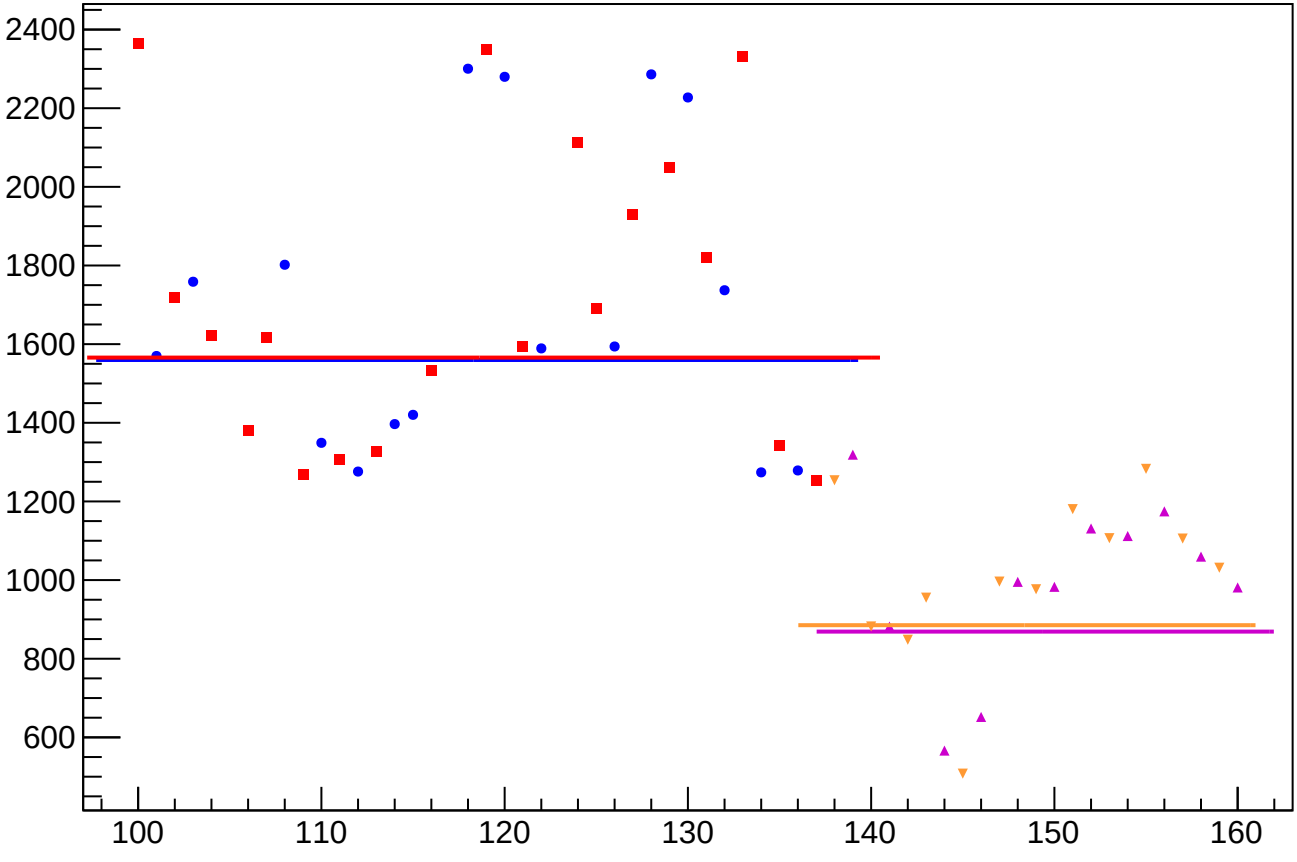
Left In: -133.948+/-293.680 χ^2/NDF:8.8/10

+ sign -1177.004+/-267.698 χ^2/NDF: 57.5/27

All: -770.627+/-187.439 χ^2/NDF: 87.8/57

- 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: 885.287+/-0.212 χ^2/NDF:1495001.9/11

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

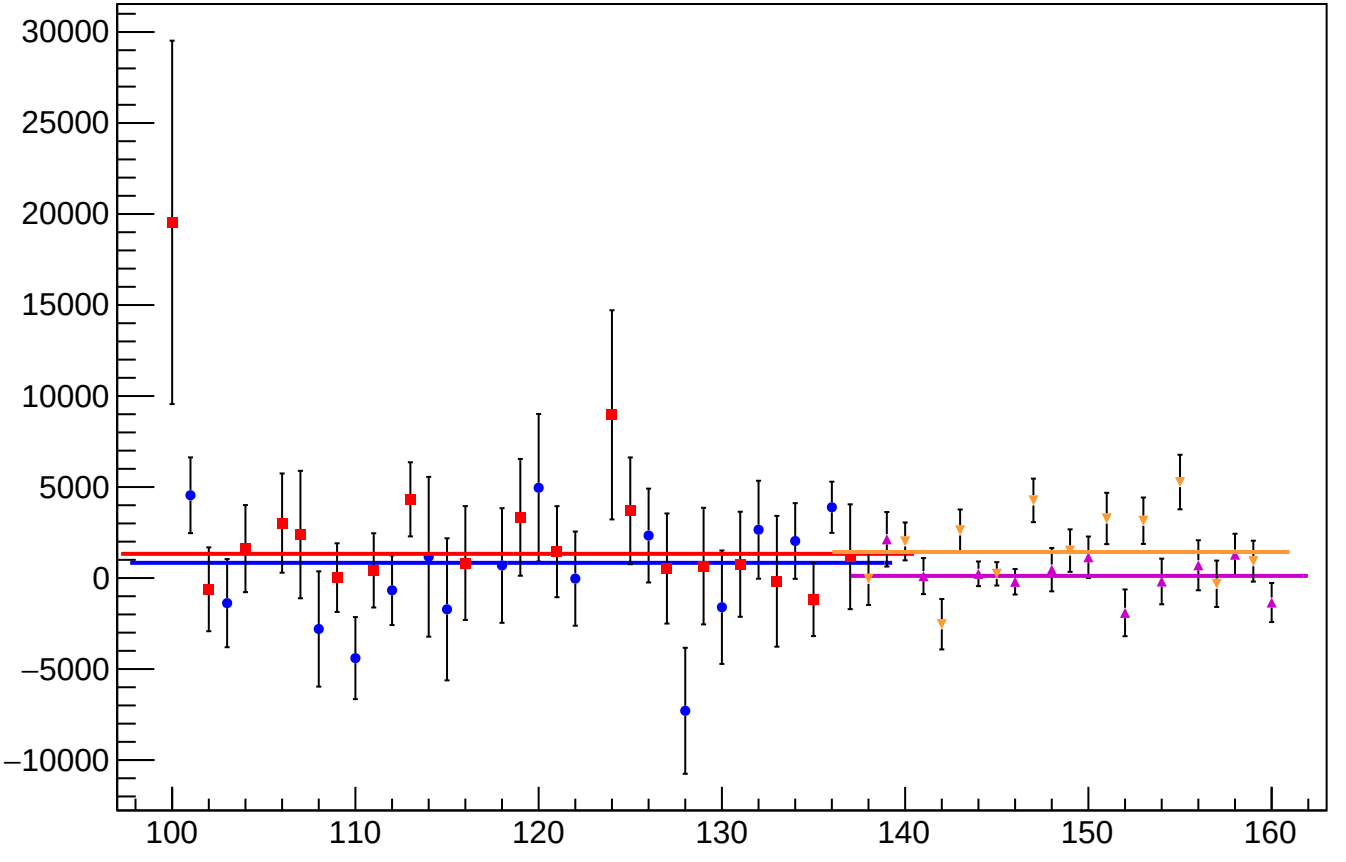
Left In: 868.979+/-0.208 χ^2/NDF:1277204.6/10

+ sign 1021.438+/-0.189 χ^2/NDF: 4144640.3/27

All: 1015.065+/-0.133 χ^2/NDF: 8249433.3/57

- 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: 1431.766+/-324.102 χ^2/NDF:31.9/11

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

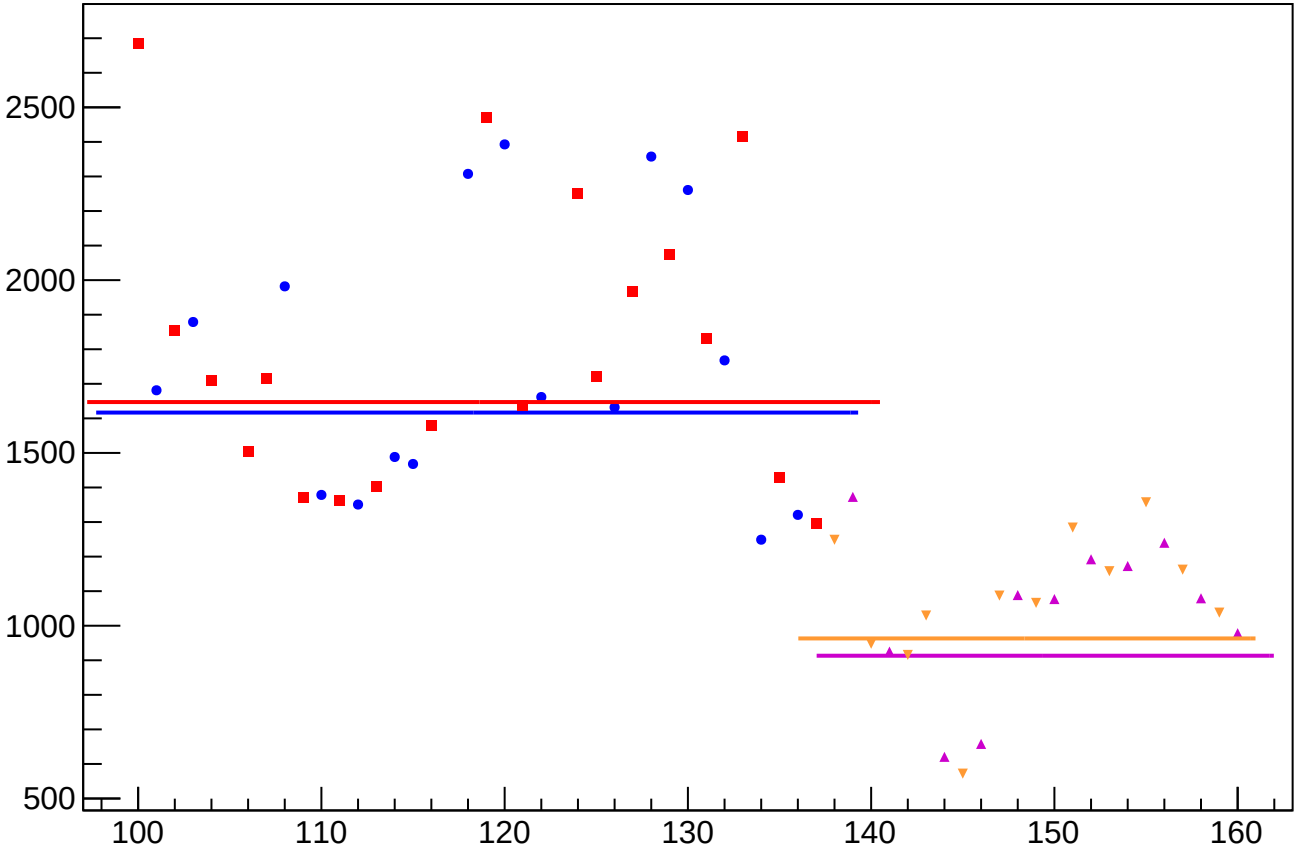
Left In: 117.497+/-307.851 χ^2/NDF:8.6/10

\+ sign 1303.401+/-287.104 χ^2/NDF: 57.5/27

All: 811.819+/-198.752 χ^2/NDF: 86.9/57

\- 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: 963.197+/-0.229 χ^2/NDF:1214341.0/11

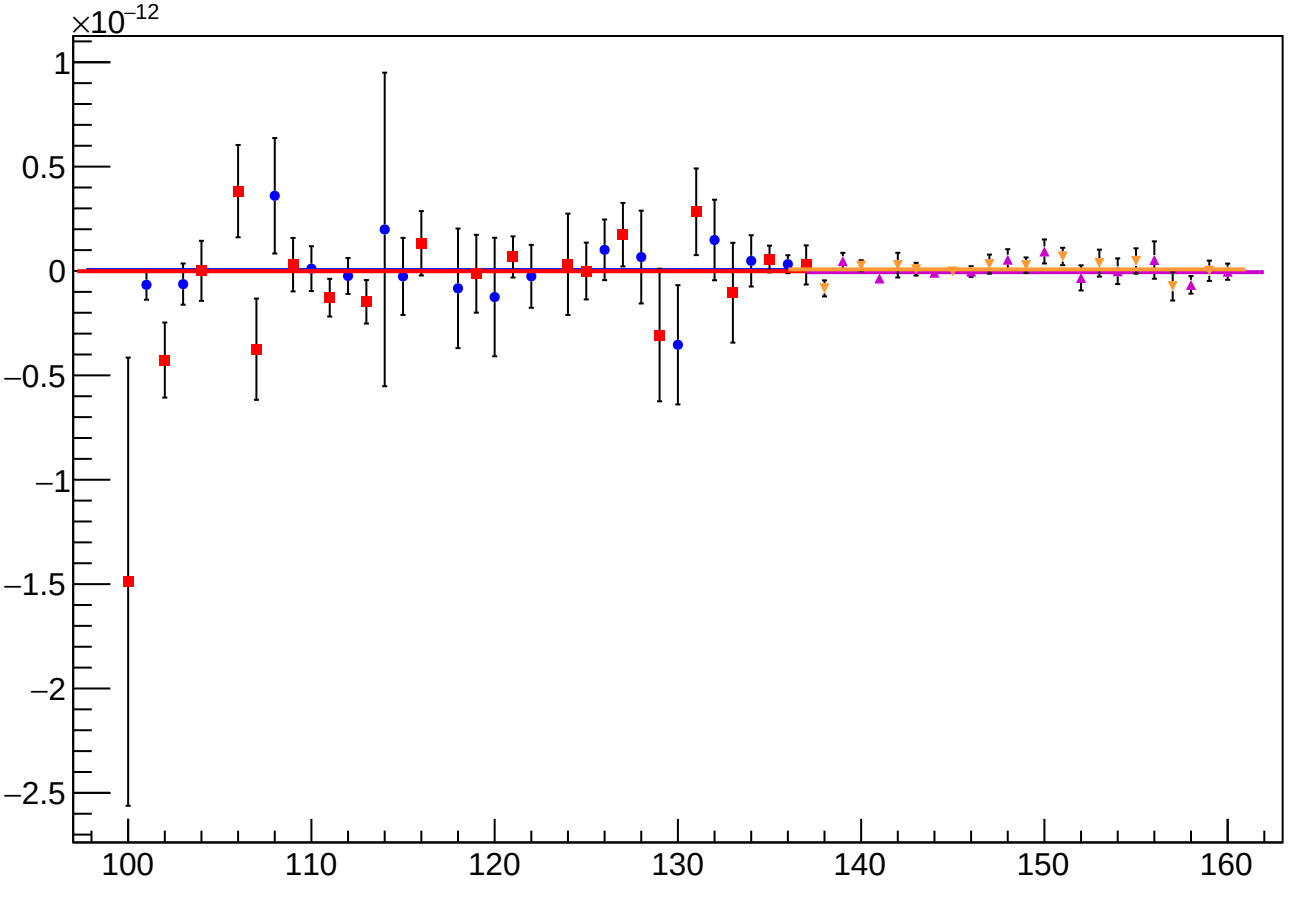
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 913.183+/-0.218 χ^2/NDF:1253908.3/10

+ sign 1103.906+/-0.203 χ^2/NDF: 3587687.9/27

All: 1080.893+/-0.141 χ^2/NDF: 7660018.7/57

- 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:11.3/11

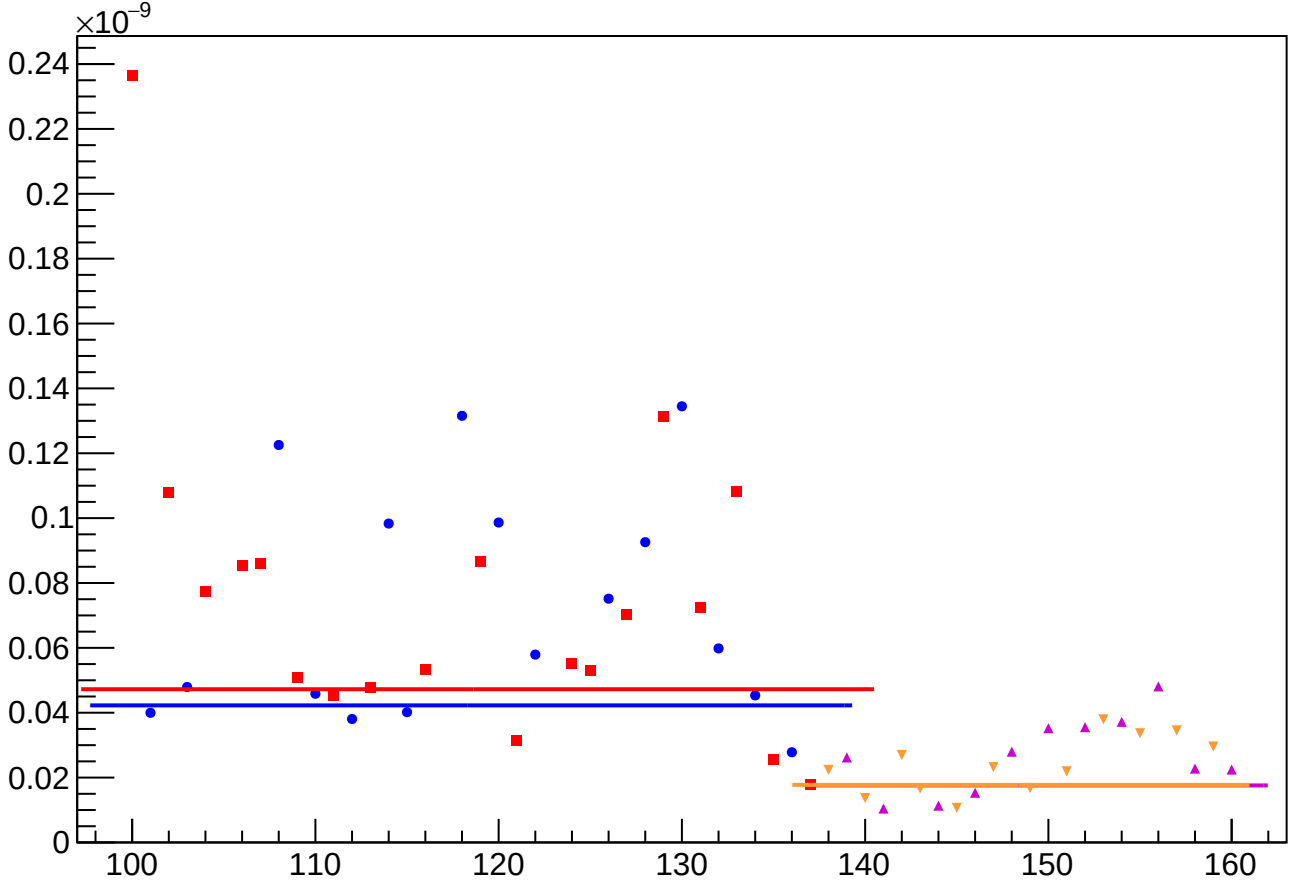
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 18.2/27

All: 0.000+/-0.000 χ^2/NDF: 53.0/57

- sign -0.000+/-0.000 χ^2/NDF: 34.0/29



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1042835.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

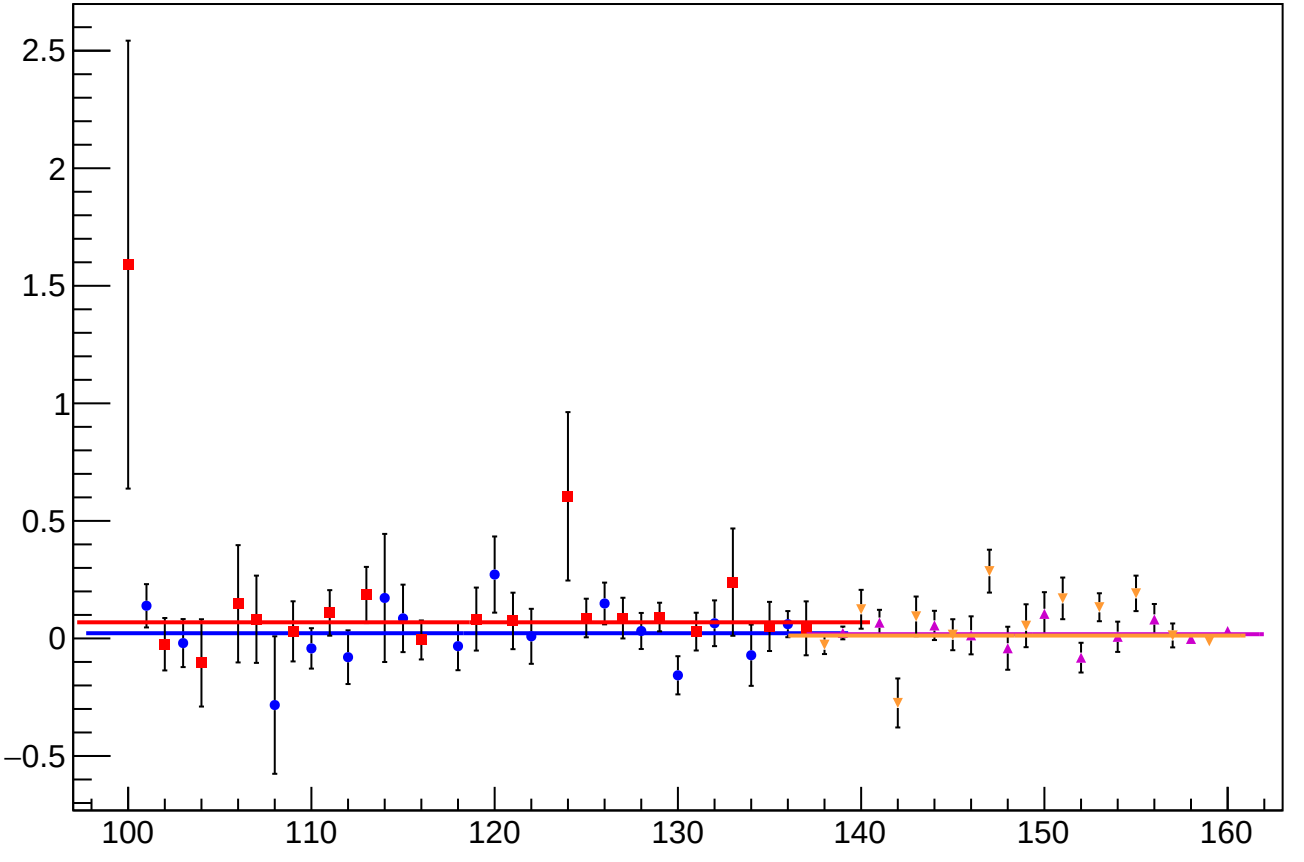
Left In: 0.000+/-0.000 χ^2/NDF:1478271.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 3605356.8/27

All: 0.000+/-0.000 χ^2/NDF: 8215799.9/57

- 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: 0.012+/-0.012 χ^2/NDF:35.9/11

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

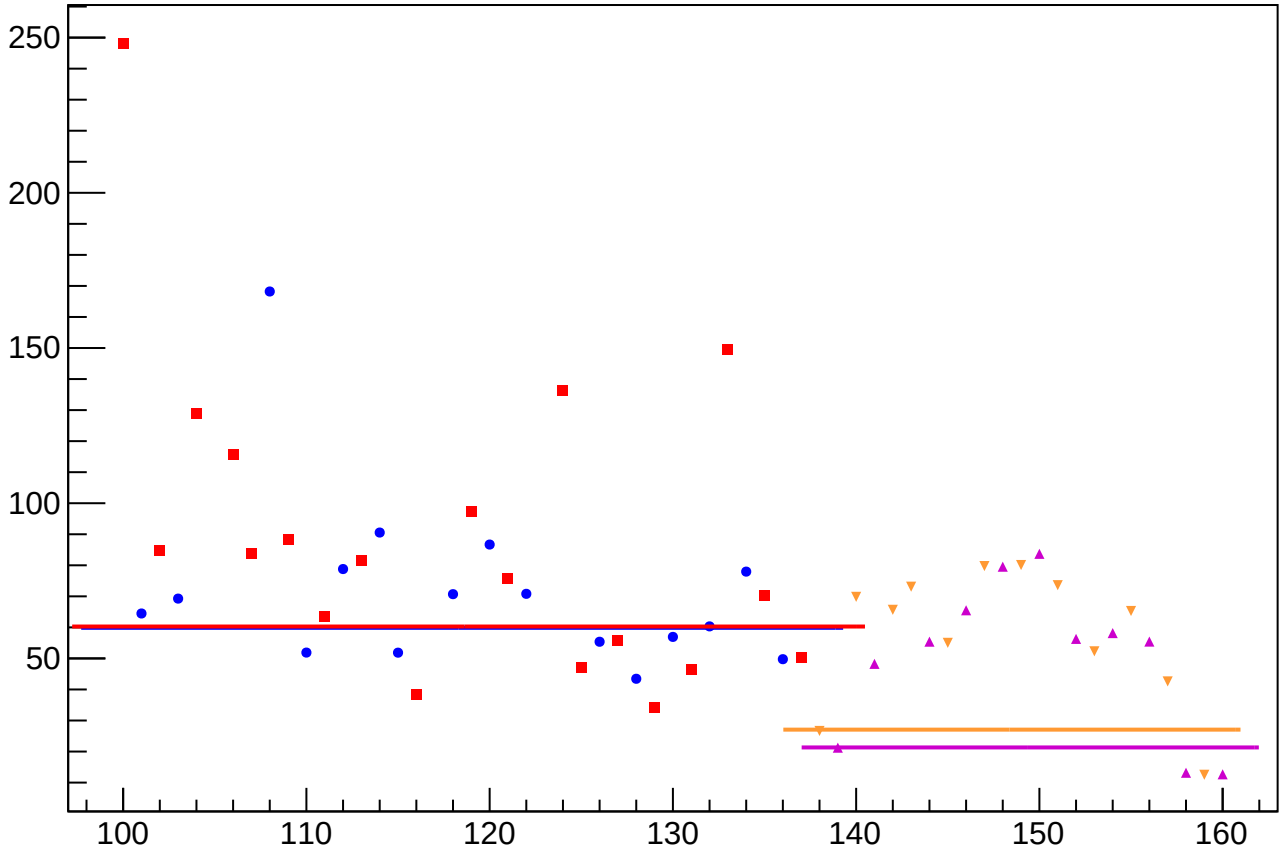
Left In: 0.018+/-0.010 χ^2/NDF:8.2/10

+ sign 0.014+/-0.011 χ^2/NDF: 51.5/27

All: 0.020+/-0.007 χ^2/NDF: 73.3/57

- 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: 27.060+/-0.009 χ^2/NDF:6491547.5/11

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

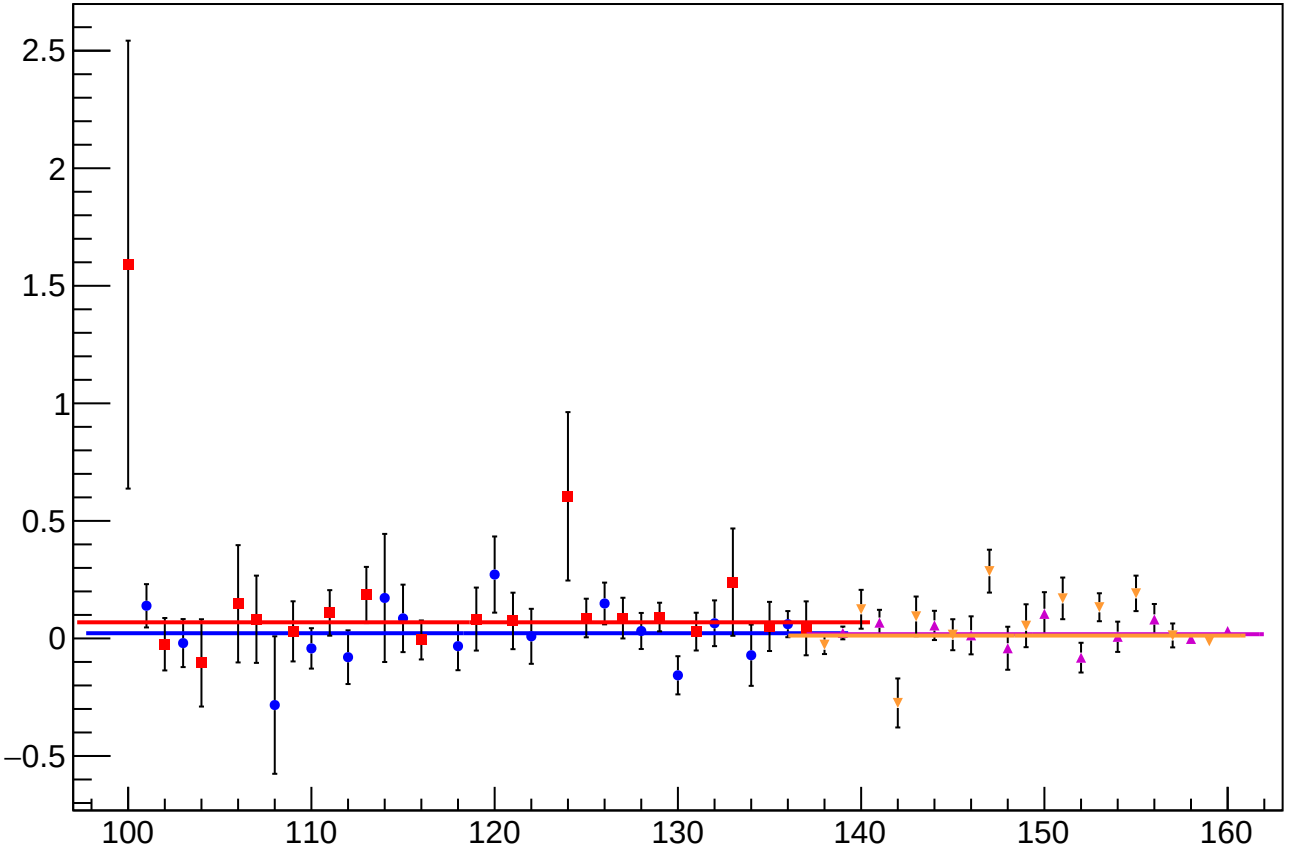
Left In: 21.324+/-0.007 χ^2/NDF:6303307.7/10

+ sign 33.564+/-0.008 χ^2/NDF: 10025275.5/27

All: 29.216+/-0.005 χ^2/NDF: 22975069.2/57

- 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: 0.012+/-0.012 χ^2/NDF:35.9/11

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

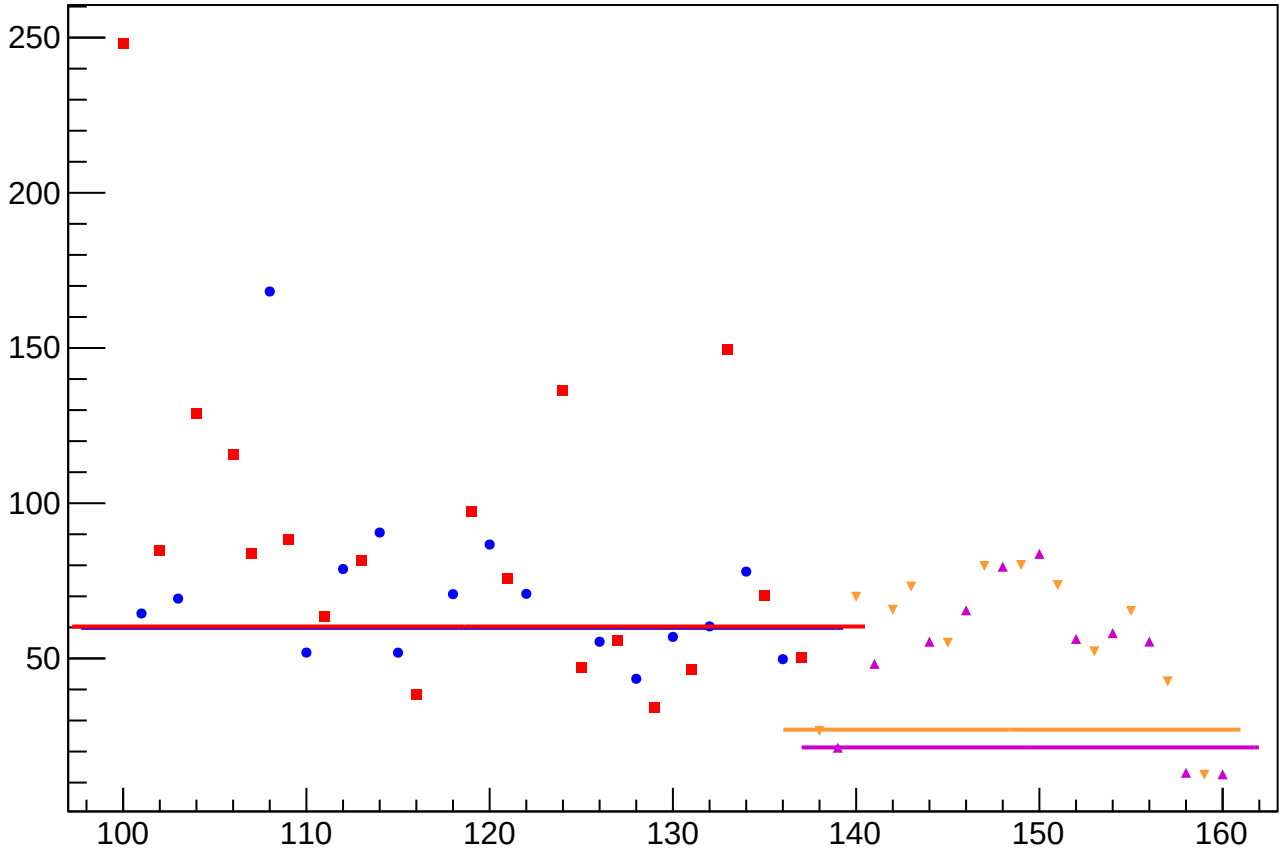
Left In: 0.018+/-0.010 χ^2/NDF:8.2/10

+ sign 0.014+/-0.011 χ^2/NDF: 51.5/27

All: 0.020+/-0.007 χ^2/NDF: 73.3/57

- 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: 27.060+/-0.009 χ^2/NDF:6491547.5/11

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

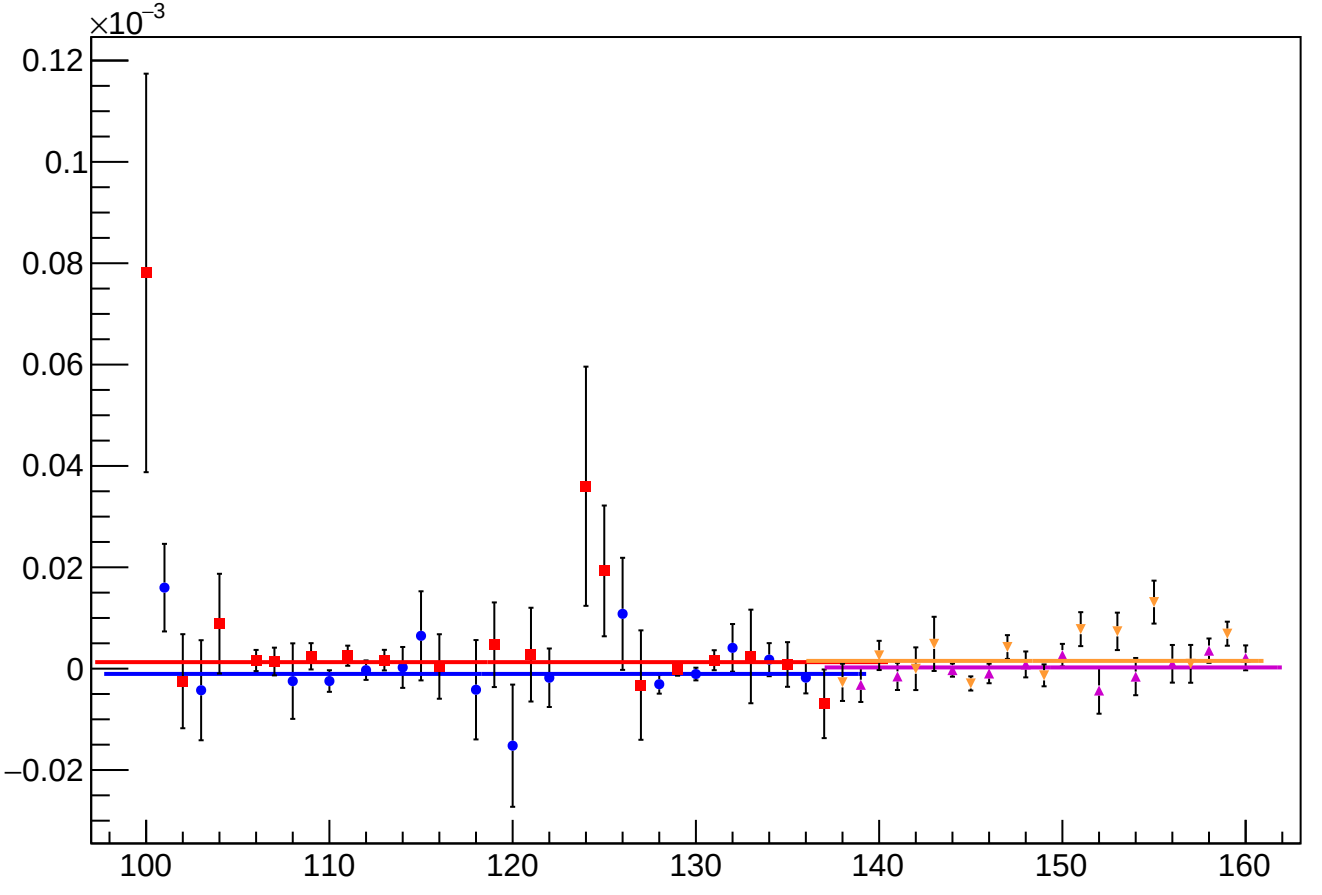
Left In: 21.324+/-0.007 χ^2/NDF:6303307.7/10

+ sign 33.564+/-0.008 χ^2/NDF: 10025275.5/27

All: 29.216+/-0.005 χ^2/NDF: 22975069.2/57

- 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:33.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

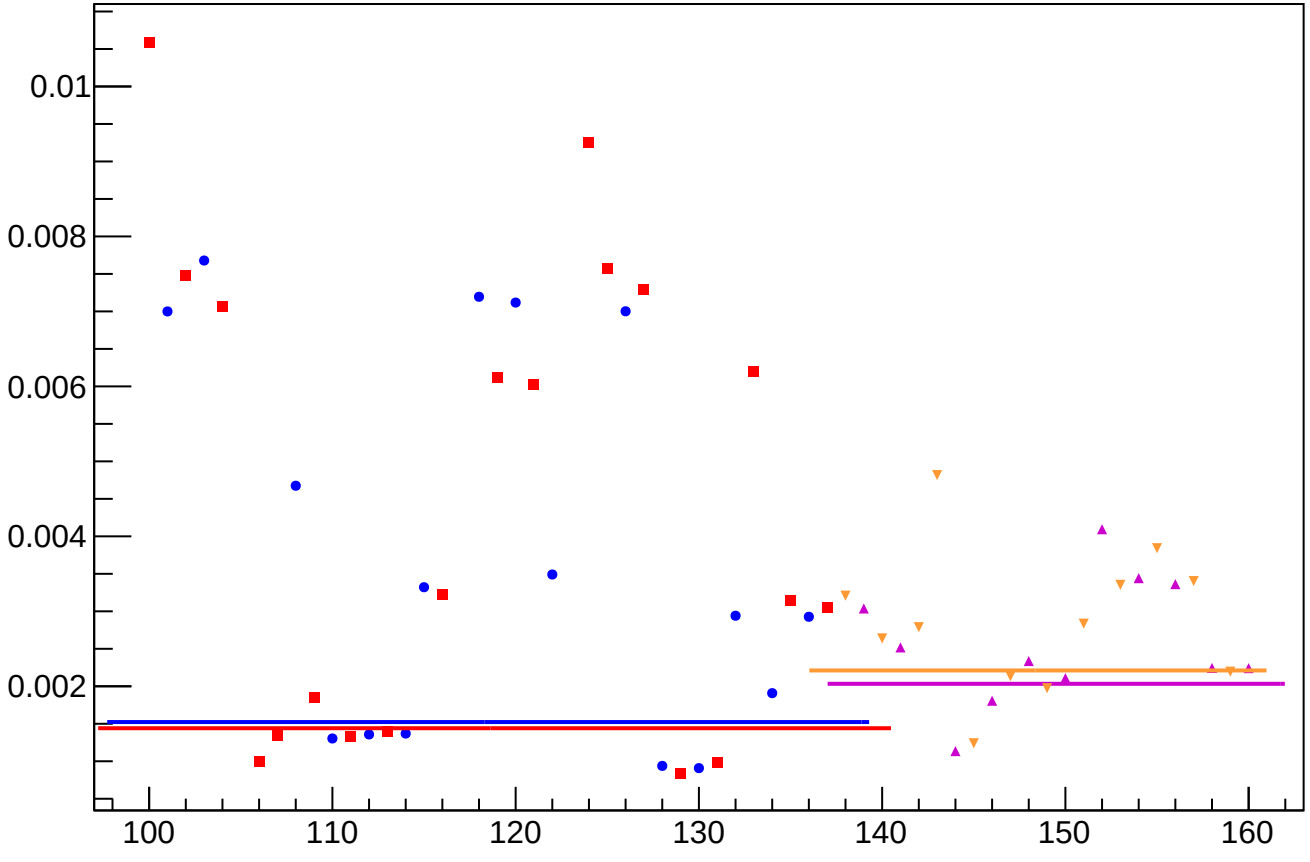
Left In: 0.000+/-0.000 χ^2/NDF:7.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 50.9/27

All: 0.000+/-0.000 χ^2/NDF: 72.1/57

- 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:2456584.3/11

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

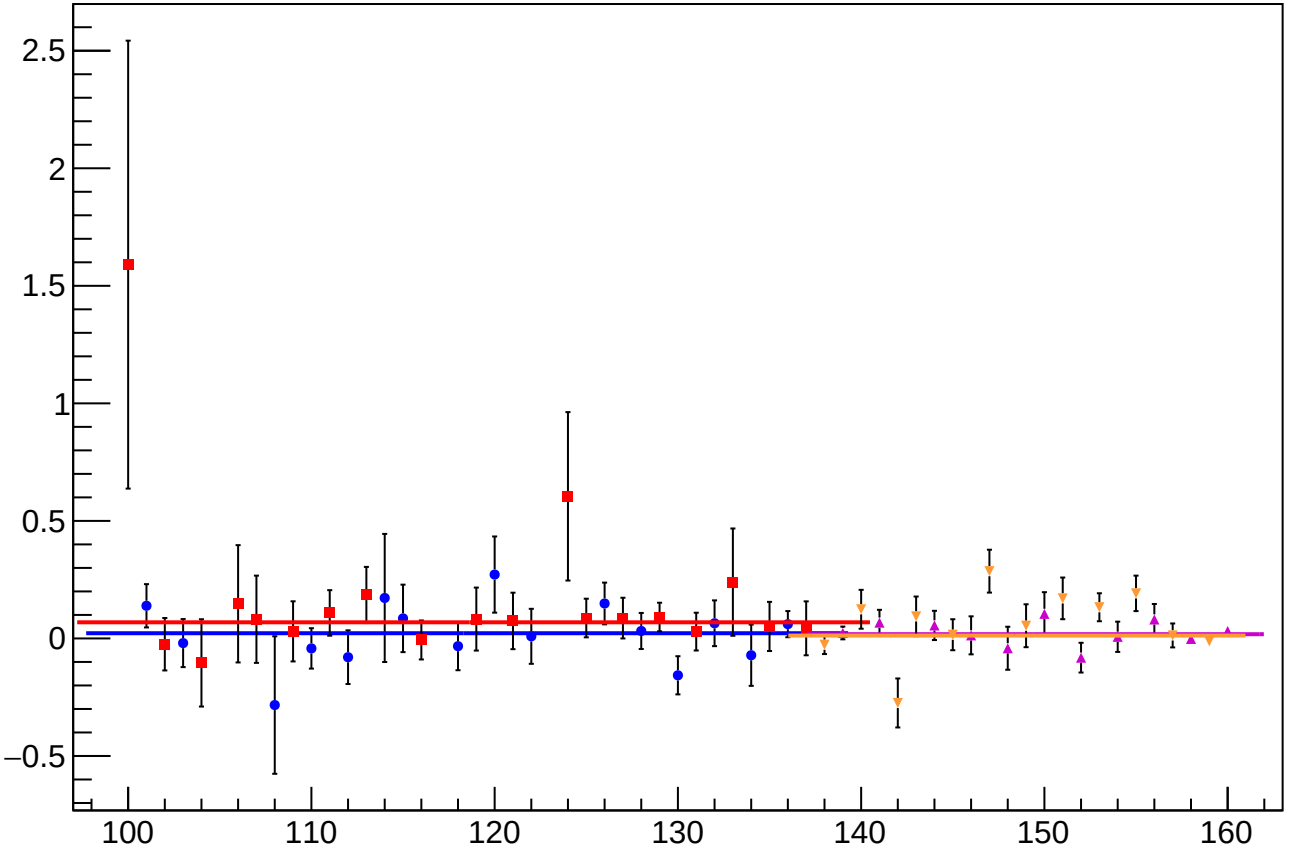
Left In: 0.002+/-0.000 χ^2/NDF:2228196.6/10

+ sign 0.002+/-0.000 χ^2/NDF: 8464743.4/27

All: 0.002+/-0.000 χ^2/NDF: 17239621.3/57

- 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: 0.012+/-0.012 χ^2/NDF:35.9/11

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

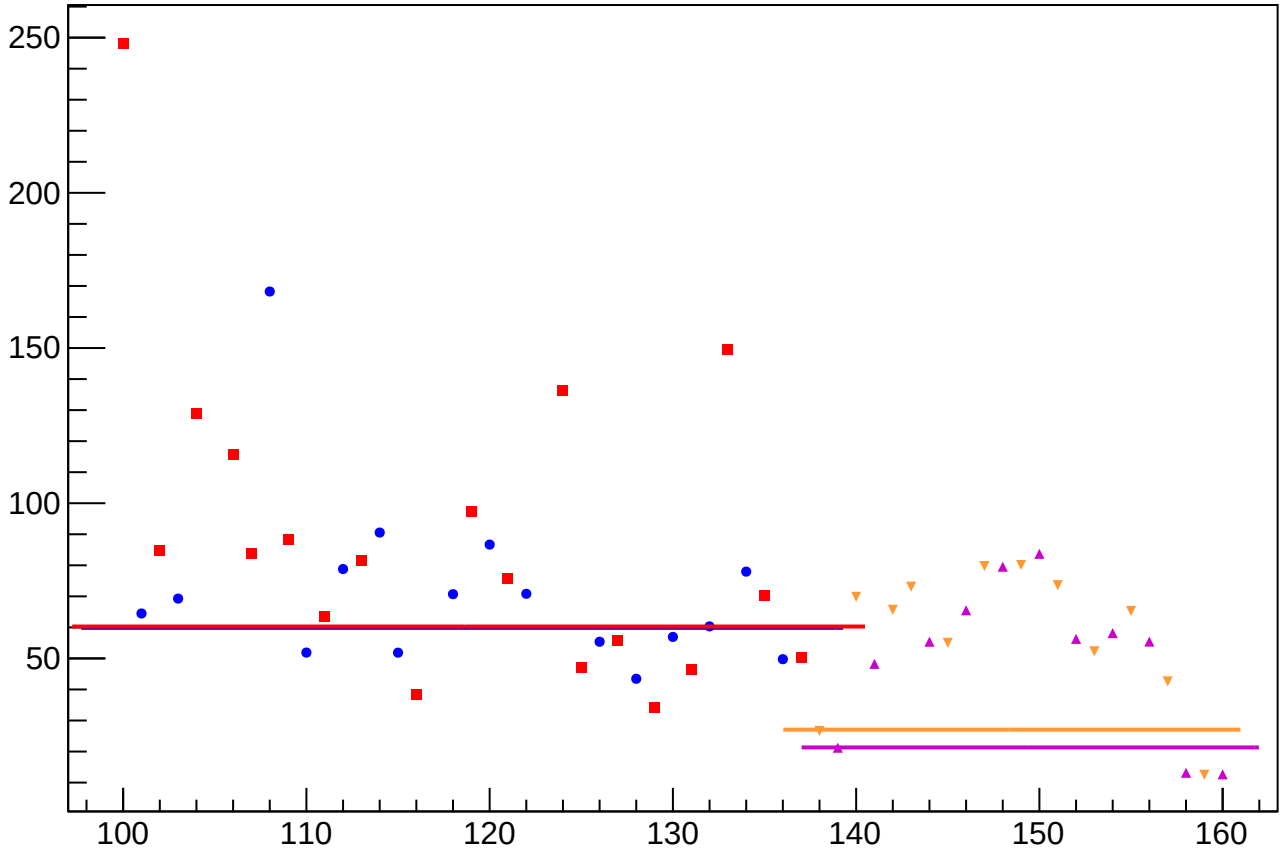
Left In: 0.018+/-0.010 χ^2/NDF:8.2/10

+ sign 0.014+/-0.011 χ^2/NDF: 51.5/27

All: 0.020+/-0.007 χ^2/NDF: 73.3/57

- 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: 27.057+/-0.009 χ^2/NDF:6492488.9/11

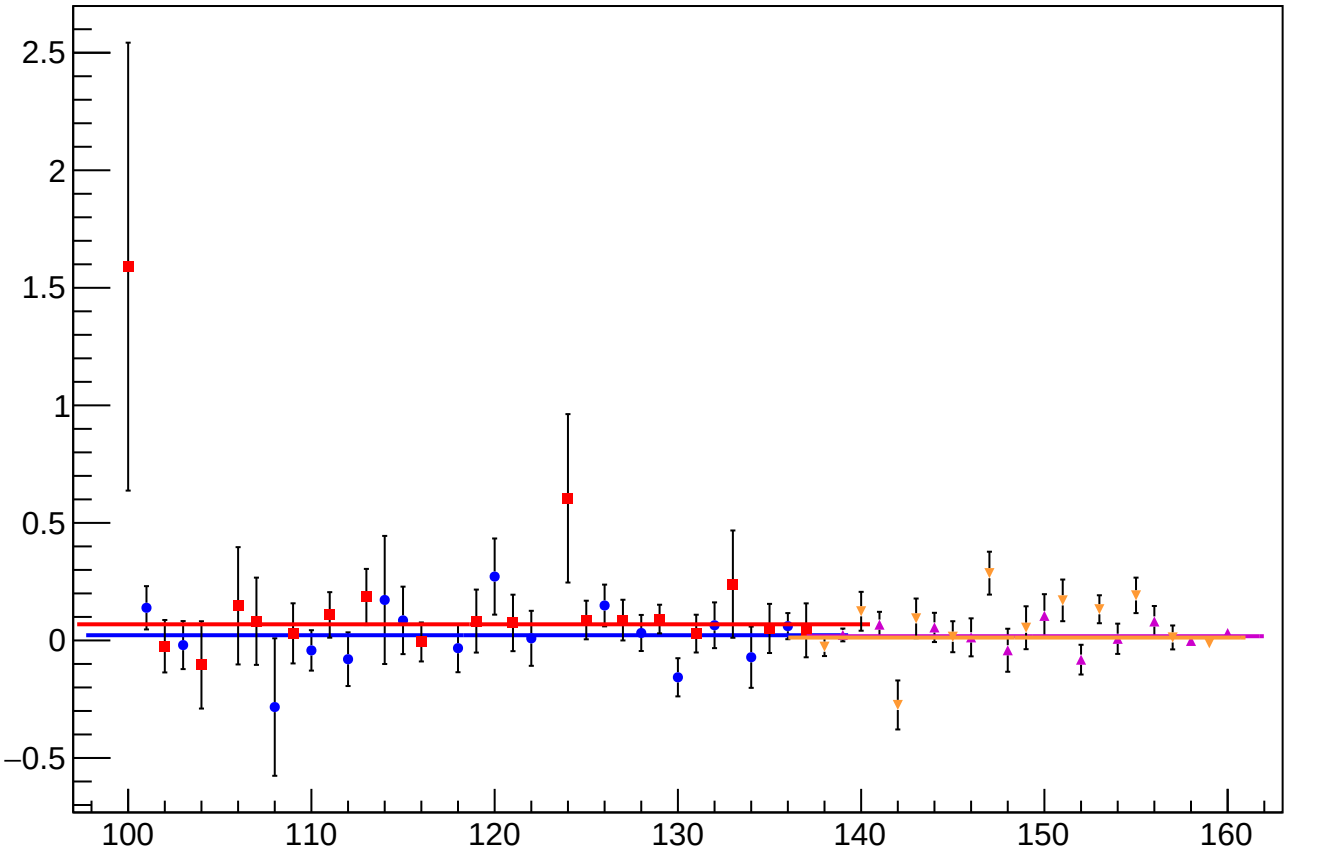
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 21.323+/-0.007 χ^2/NDF:6303607.6/10

+ sign 33.562+/-0.008 χ^2/NDF: 10026872.6/27

All: 29.214+/-0.005 χ^2/NDF: 22976986.5/57

- sign 26.284+/-0.006 χ^2/NDF: 12425864.2/29



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.012+/-0.012 χ^2/NDF:35.9/11

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

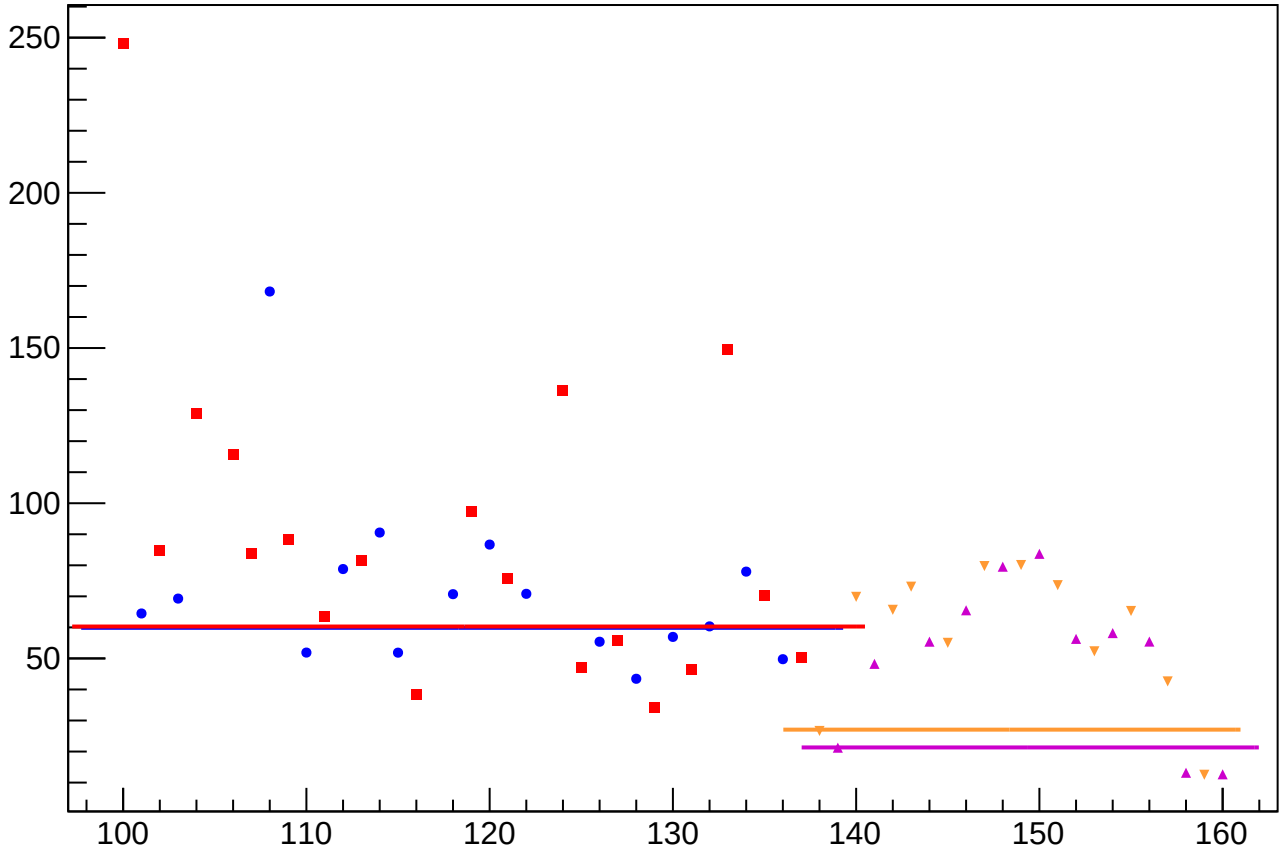
Left In: 0.018+/-0.010 χ^2/NDF:8.2/10

+ sign 0.014+/-0.011 χ^2/NDF: 51.5/27

All: 0.020+/-0.007 χ^2/NDF: 73.3/57

- sign 0.024+/-0.009 χ^2/NDF: 21.3/29

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.057+/-0.009 χ^2/NDF:6492488.9/11

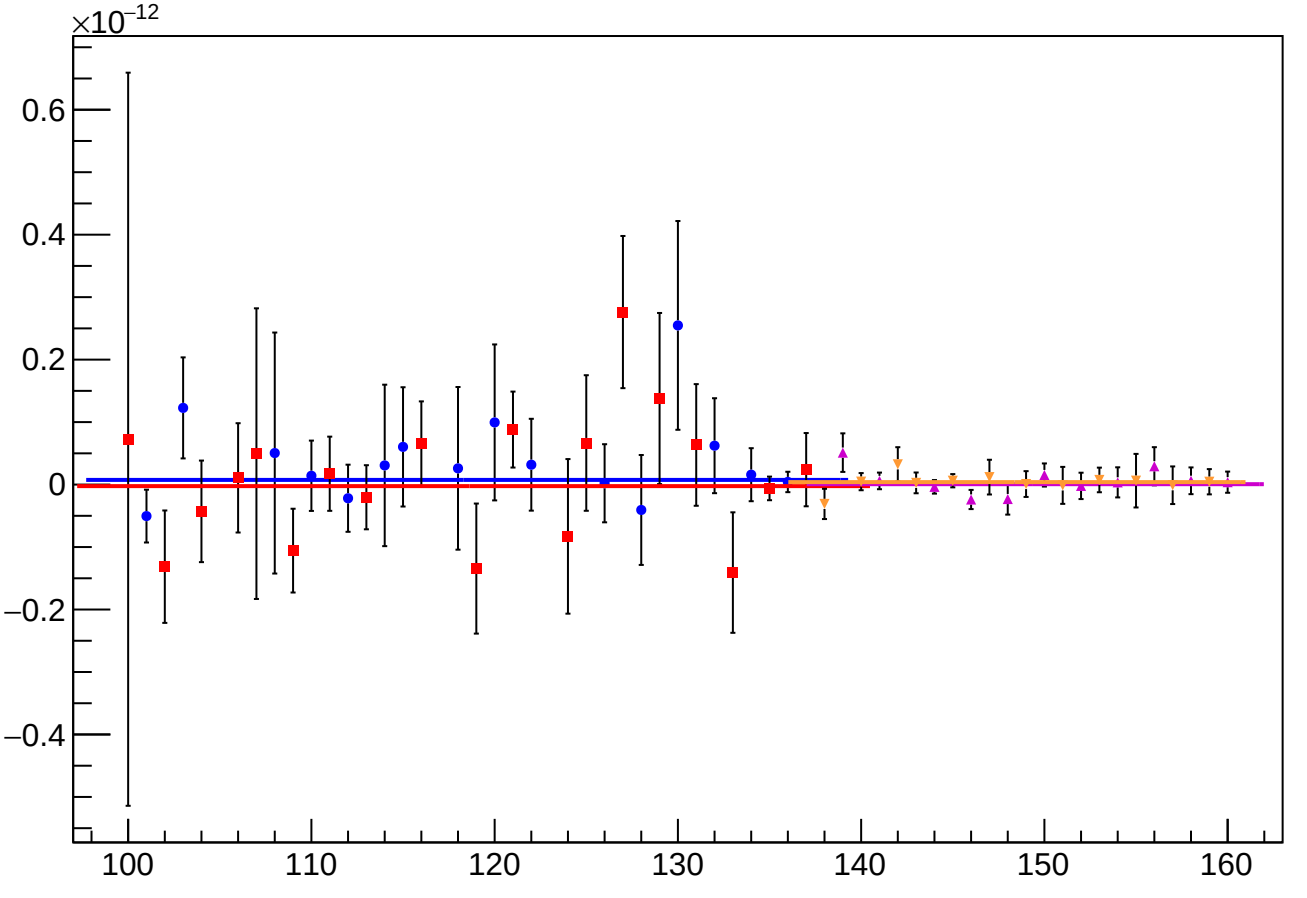
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 21.323+/-0.007 χ^2/NDF:6303607.6/10

+ sign 33.562+/-0.008 χ^2/NDF: 10026872.6/27

All: 29.214+/-0.005 χ^2/NDF: 22976986.5/57

- 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:3.4/11

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

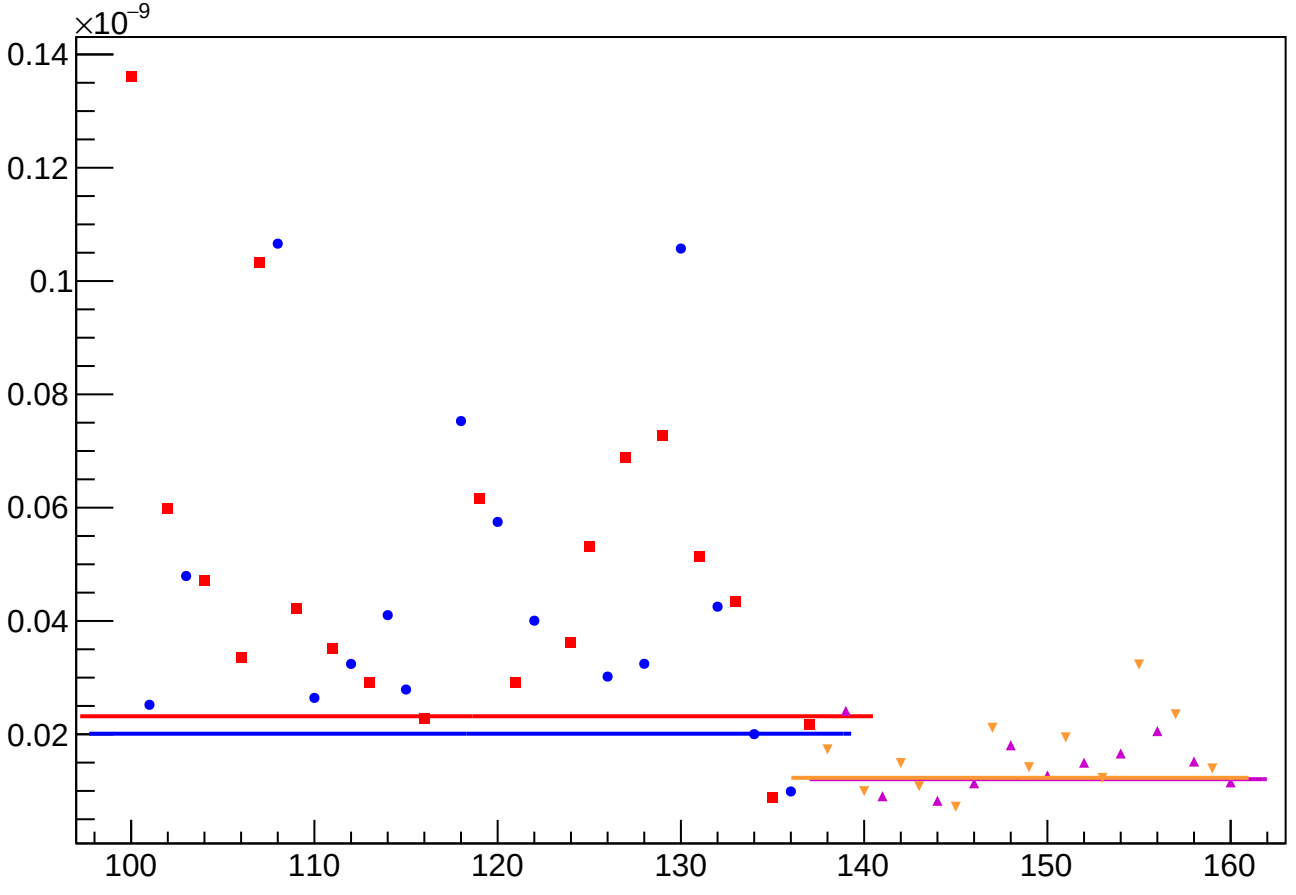
Left In: 0.000+/-0.000 χ^2/NDF:8.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 11.9/27

All: 0.000+/-0.000 χ^2/NDF: 40.0/57

- sign 0.000+/-0.000 χ^2/NDF: 27.8/29

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1701883.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

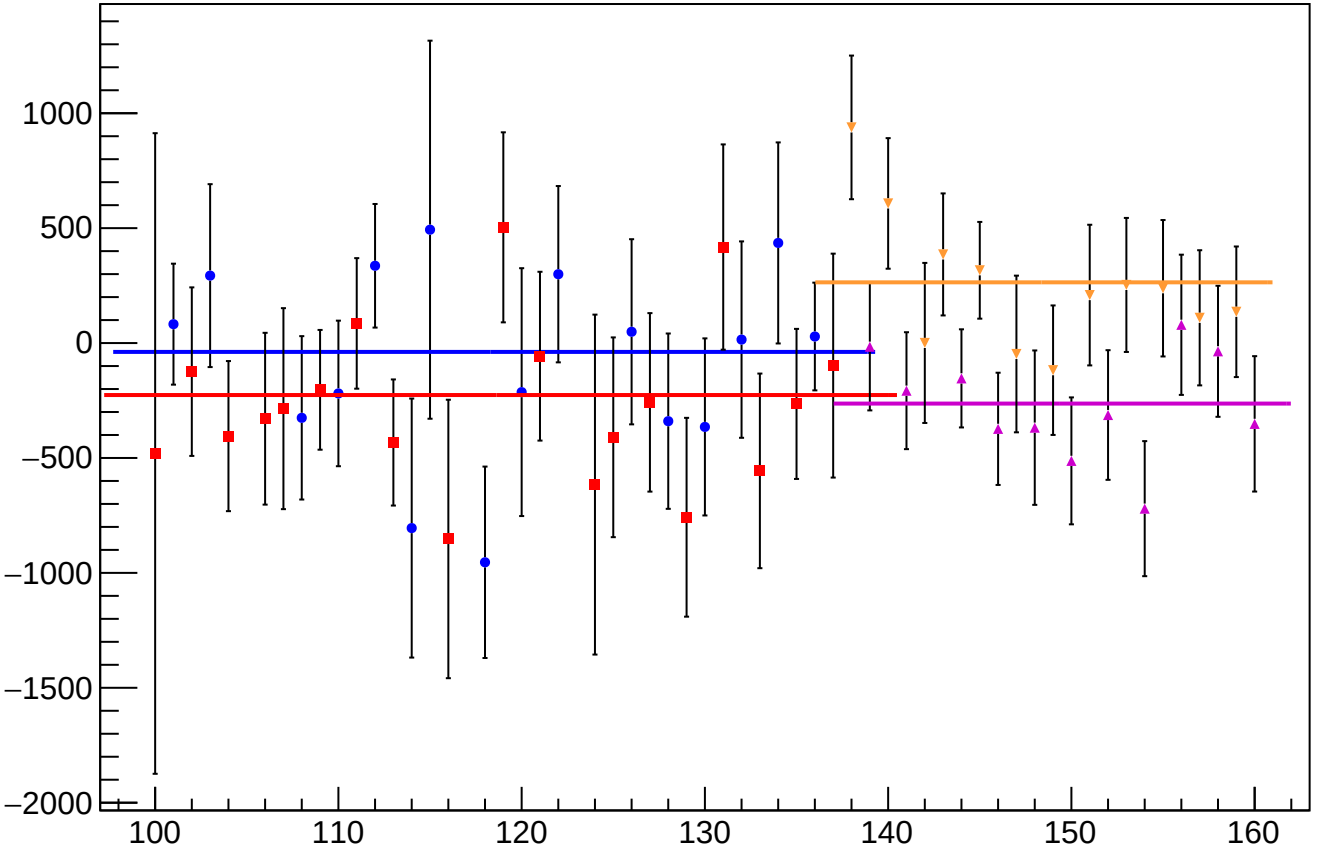
Left In: 0.000+/-0.000 χ^2/NDF:1084112.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 5502737.7/27

All: 0.000+/-0.000 χ^2/NDF: 11283060.8/57

- 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: 264.218+/-82.594 χ^2/NDF:10.2/11

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

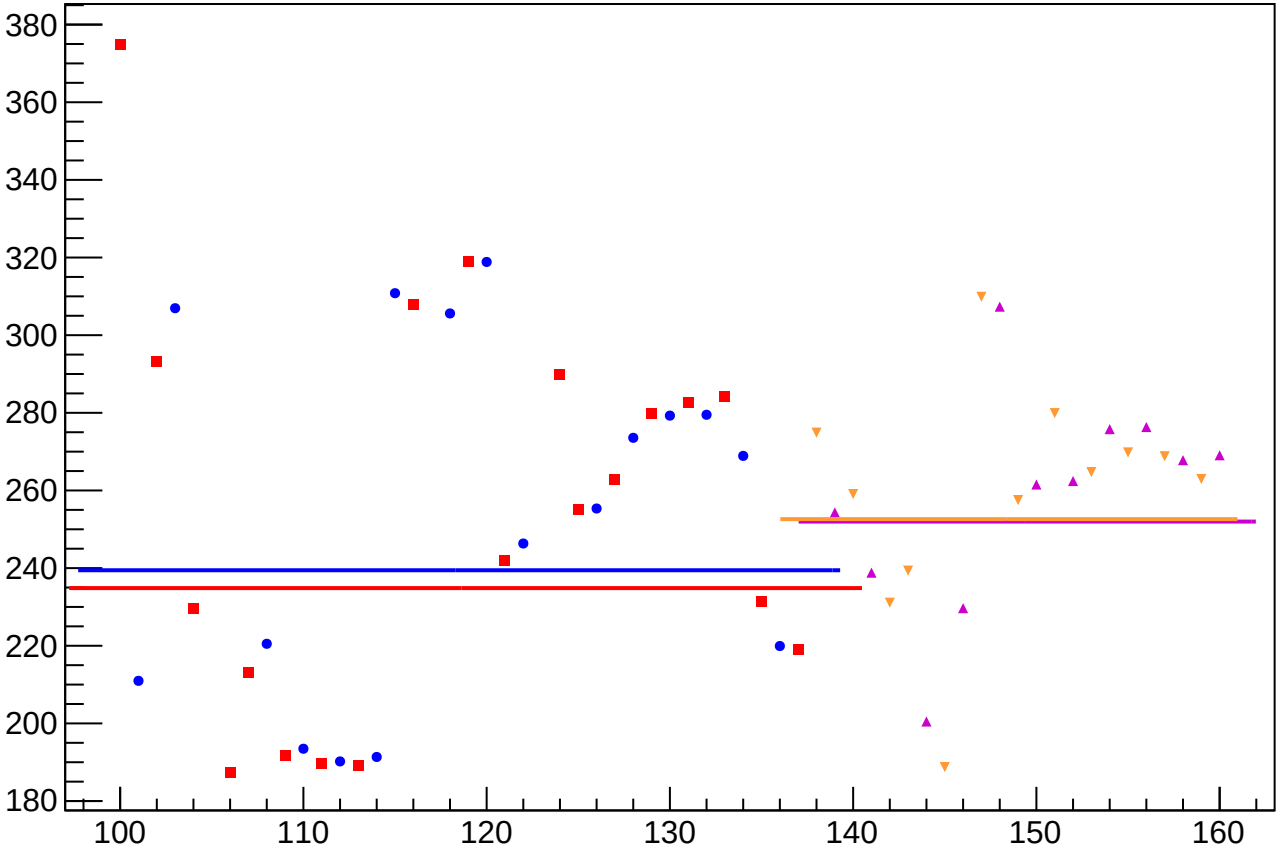
Left In: -263.336+/-82.231 χ^2/NDF:6.7/10

+ sign 126.854+/-61.043 χ^2/NDF: 30.7/27

All: -62.617+/-42.810 χ^2/NDF: 67.9/57

- 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: 252.616+/-0.058 χ^2/NDF:299841.1/11

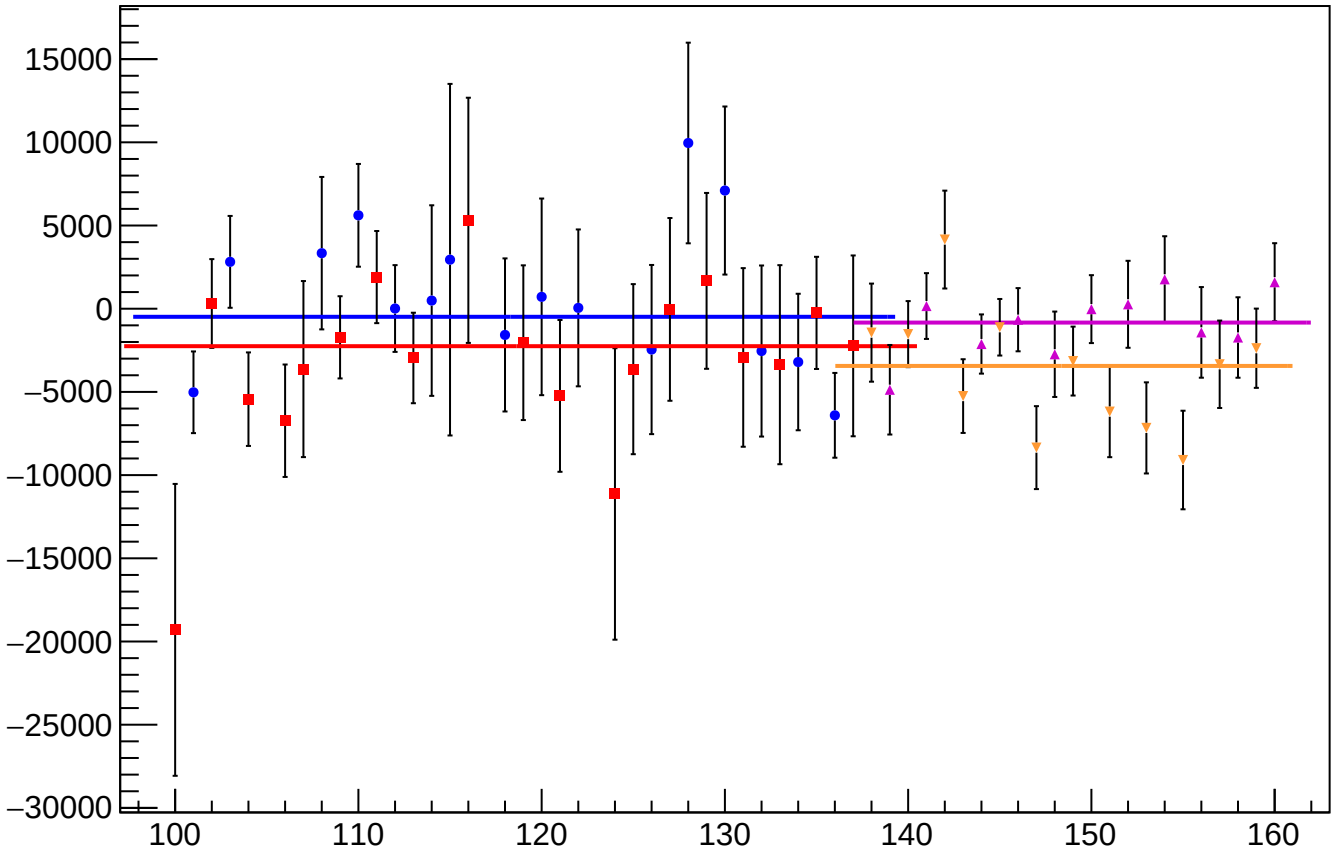
Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 251.988+/-0.058 χ^2/NDF:236772.3/10

+ sign 246.641+/-0.043 χ^2/NDF: 723862.5/27

All: 245.295+/-0.030 χ^2/NDF: 1484781.9/57

- sign 243.992+/-0.042 χ^2/NDF: 759005.0/29



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3438.616+/-685.089 χ^2/NDF:21.2/11

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

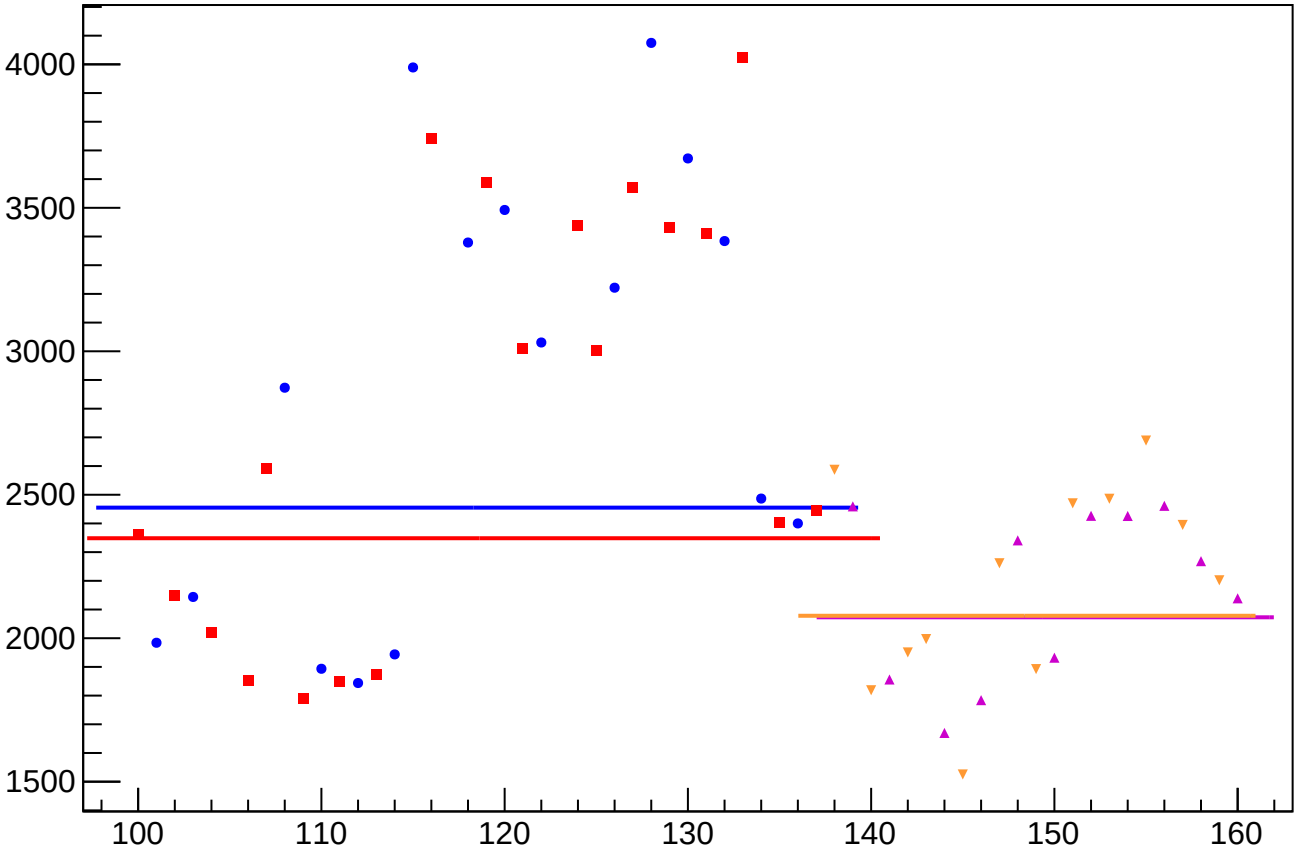
Left In: -833.159+/-680.031 χ^2/NDF:6.2/10

\+ sign -2424.858+/-555.161 χ^2/NDF: 48.7/27

All: -1875.384+/-387.558 χ^2/NDF: 72.3/57

\- 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: 2078.233+/-0.484 χ^2/NDF:543691.0/11

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

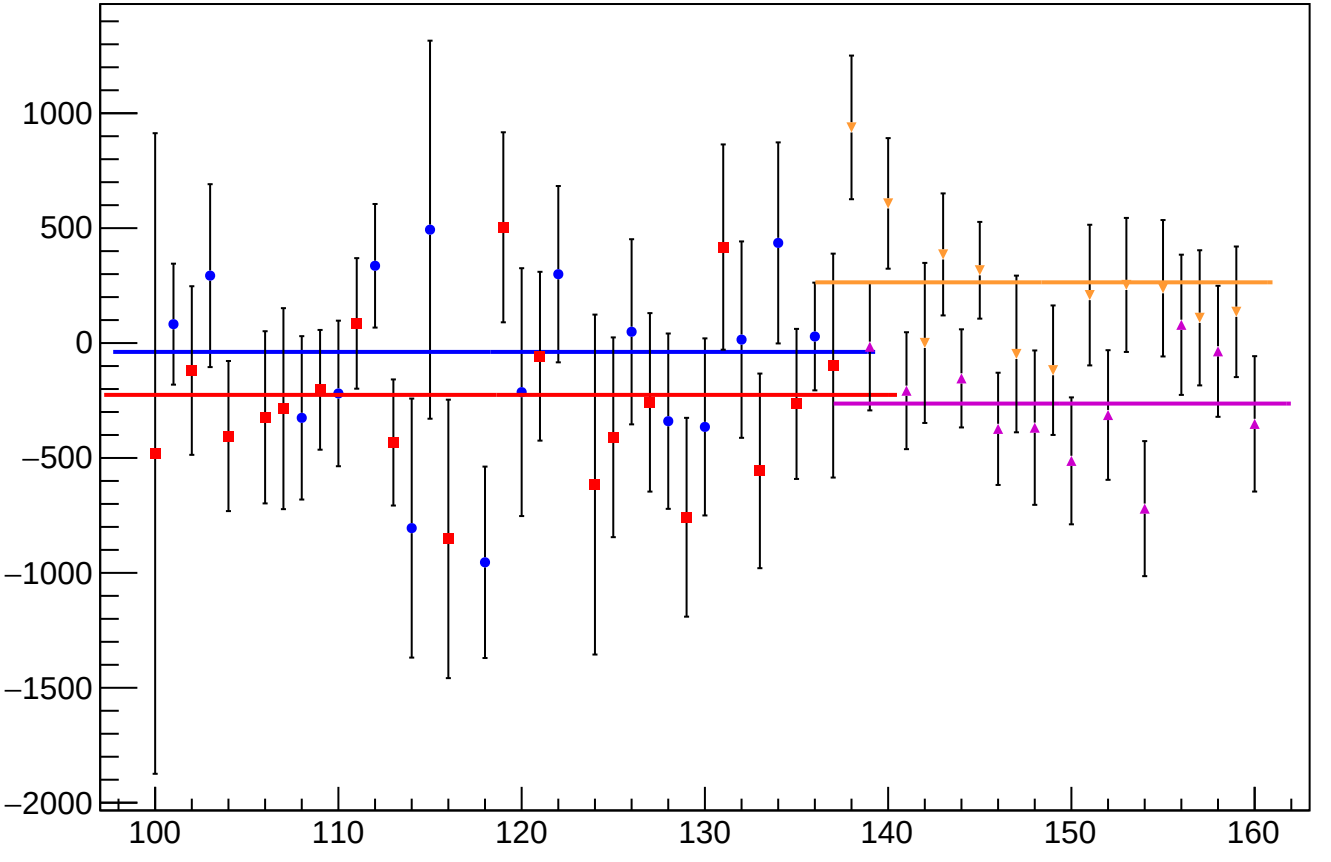
Left In: 2072.882+/-0.481 χ^2/NDF:374716.3/10

+ sign 2207.626+/-0.393 χ^2/NDF: 1645876.1/27

All: 2190.315+/-0.274 χ^2/NDF: 3197149.8/57

- 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: 264.222+/-82.594 χ^2/NDF:10.2/11

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

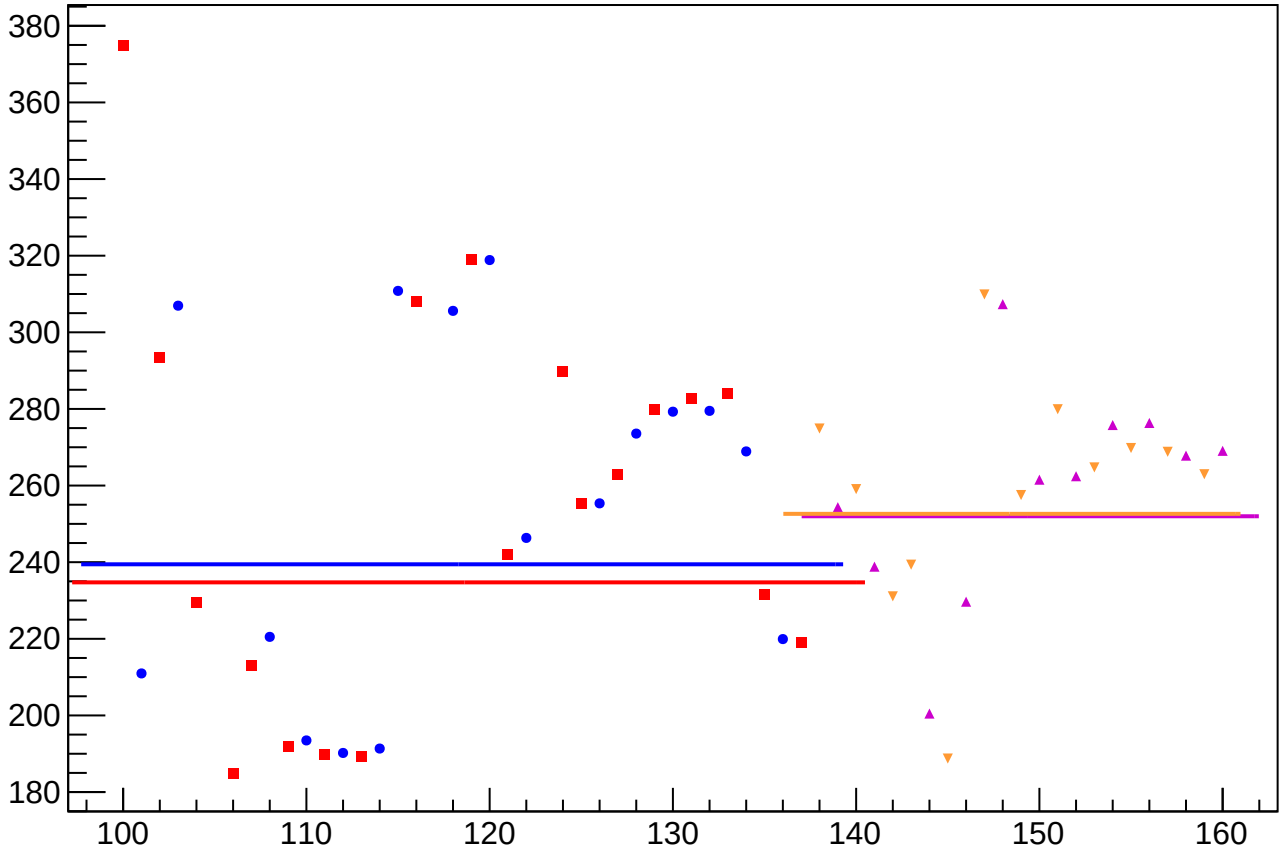
Left In: -263.345+/-82.231 χ^2/NDF:6.7/10

+ sign 126.846+/-61.043 χ^2/NDF: 30.7/27

All: -62.456+/-42.811 χ^2/NDF: 67.8/57

- 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: 252.616+/-0.058 χ^2/NDF:299841.1/11

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

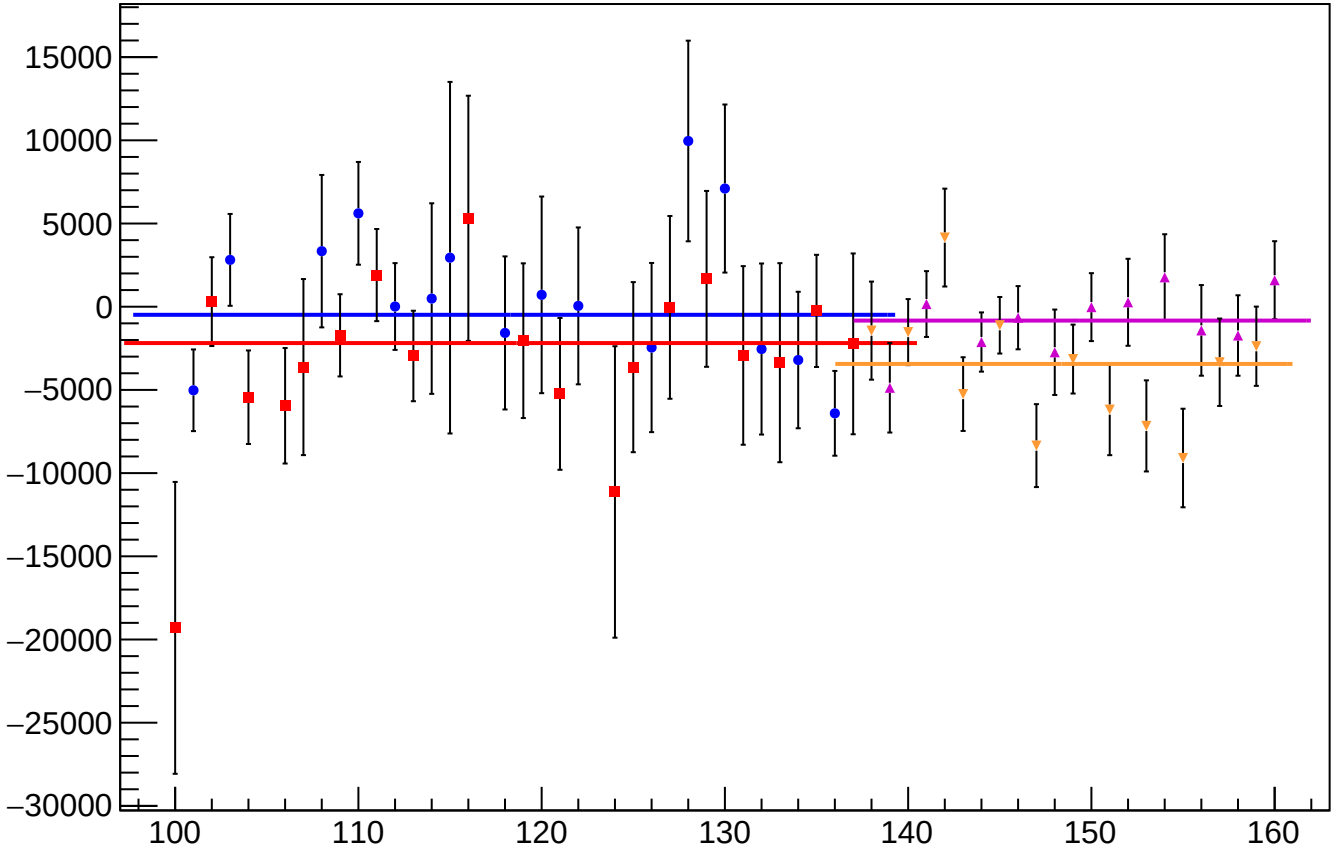
Left In: 251.988+/-0.058 χ^2/NDF:236772.4/10

+ sign 246.641+/-0.043 χ^2/NDF: 723864.7/27

All: 245.267+/-0.030 χ^2/NDF: 1488959.0/57

- 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: -3438.612+/-685.089 χ^2/NDF:21.2/11

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

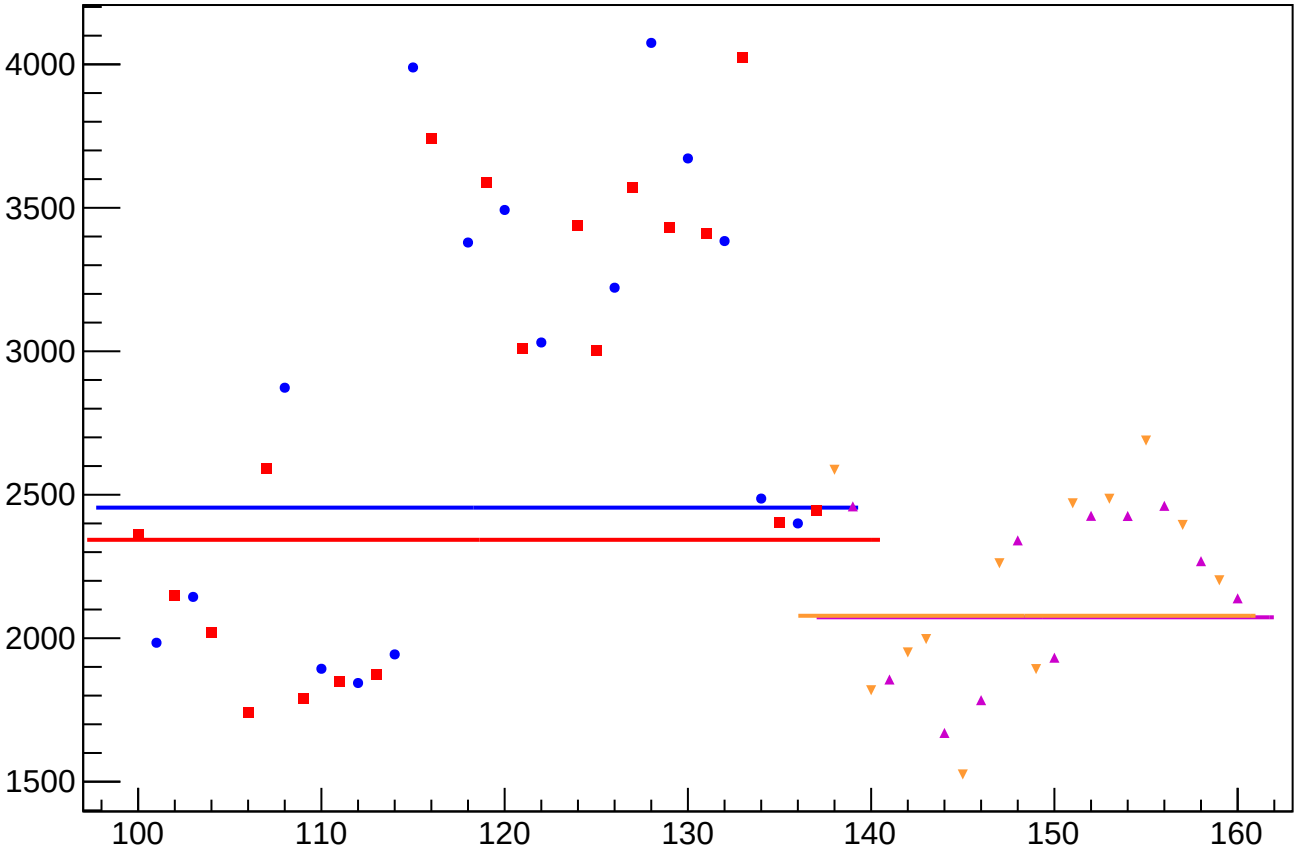
Left In: -833.179+/-680.031 χ^2/NDF:6.2/10

+ sign -2424.926+/-555.163 χ^2/NDF: 48.7/27

All: -1862.595+/-387.695 χ^2/NDF: 71.6/57

- 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: 2078.233+/-0.484 χ^2/NDF:543693.5/11

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

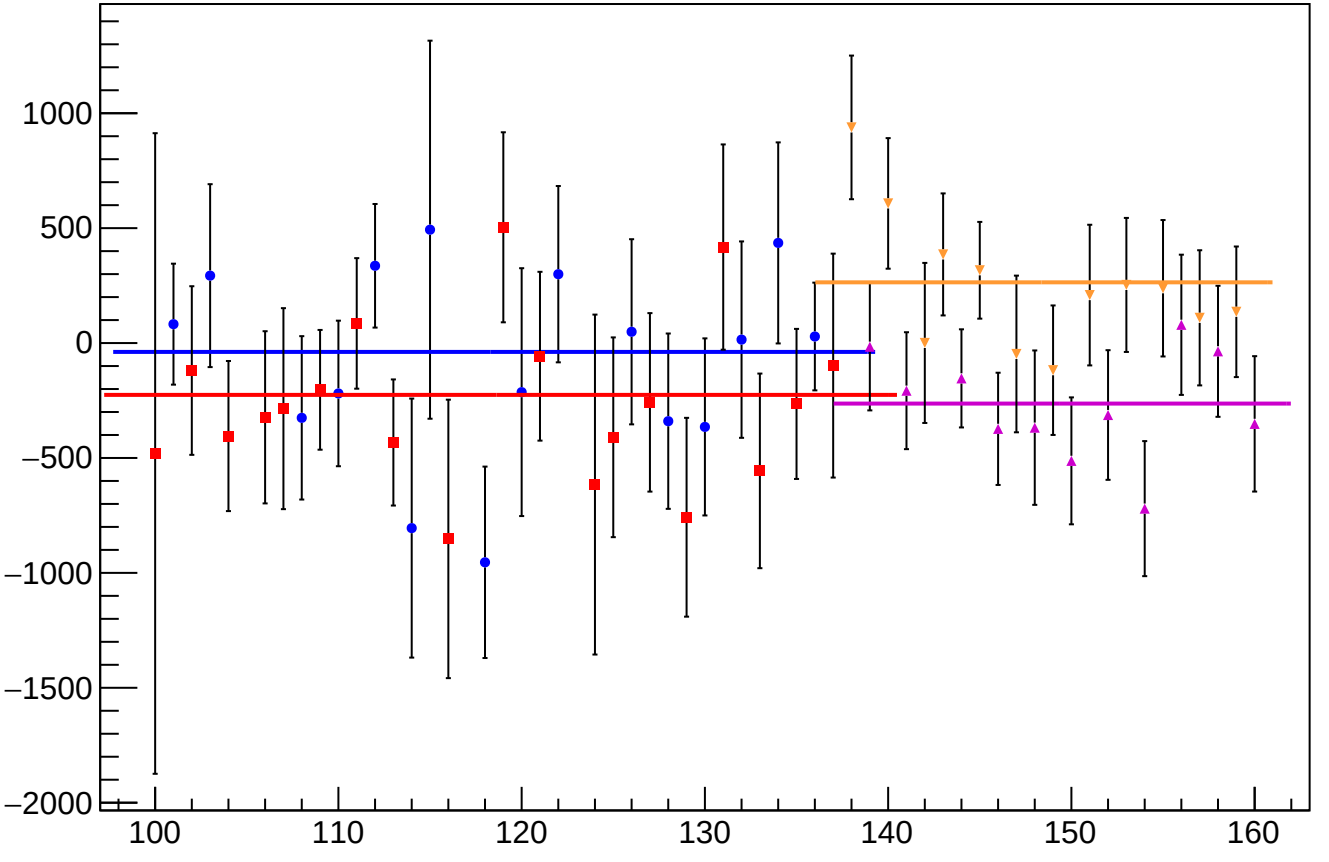
Left In: 2072.883+/-0.481 χ^2/NDF:374713.7/10

+ sign 2207.632+/-0.393 χ^2/NDF: 1645872.3/27

All: 2189.178+/-0.274 χ^2/NDF: 3210605.0/57

- sign 2171.611+/-0.383 χ^2/NDF: 1560419.3/29

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 264.222+/-82.594 χ^2/NDF:10.2/11

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

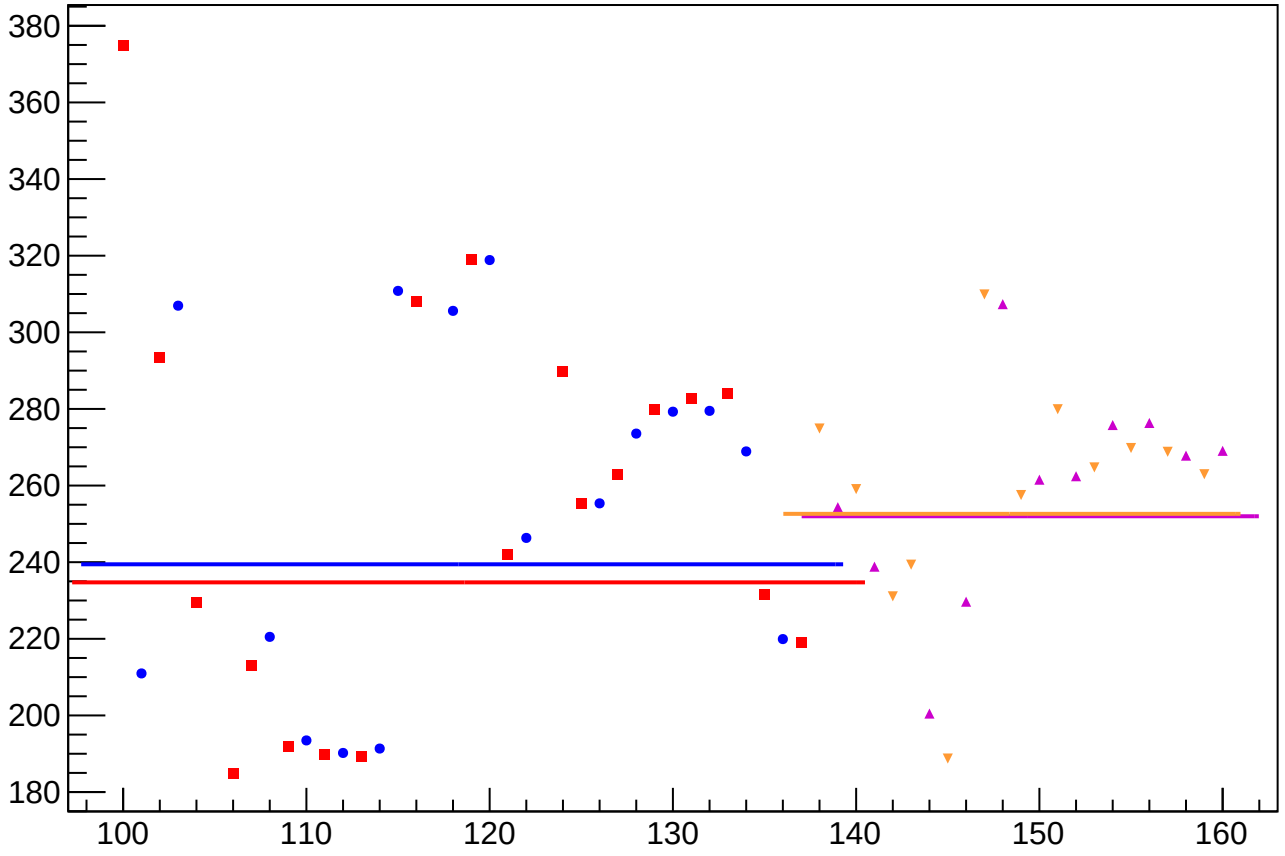
Left In: -263.345+/-82.231 χ^2/NDF:6.7/10

+ sign 126.846+/-61.043 χ^2/NDF: 30.7/27

All: -62.456+/-42.811 χ^2/NDF: 67.8/57

- sign -245.694+/-60.057 χ^2/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: 252.616+/-0.058 χ^2/NDF:299841.1/11

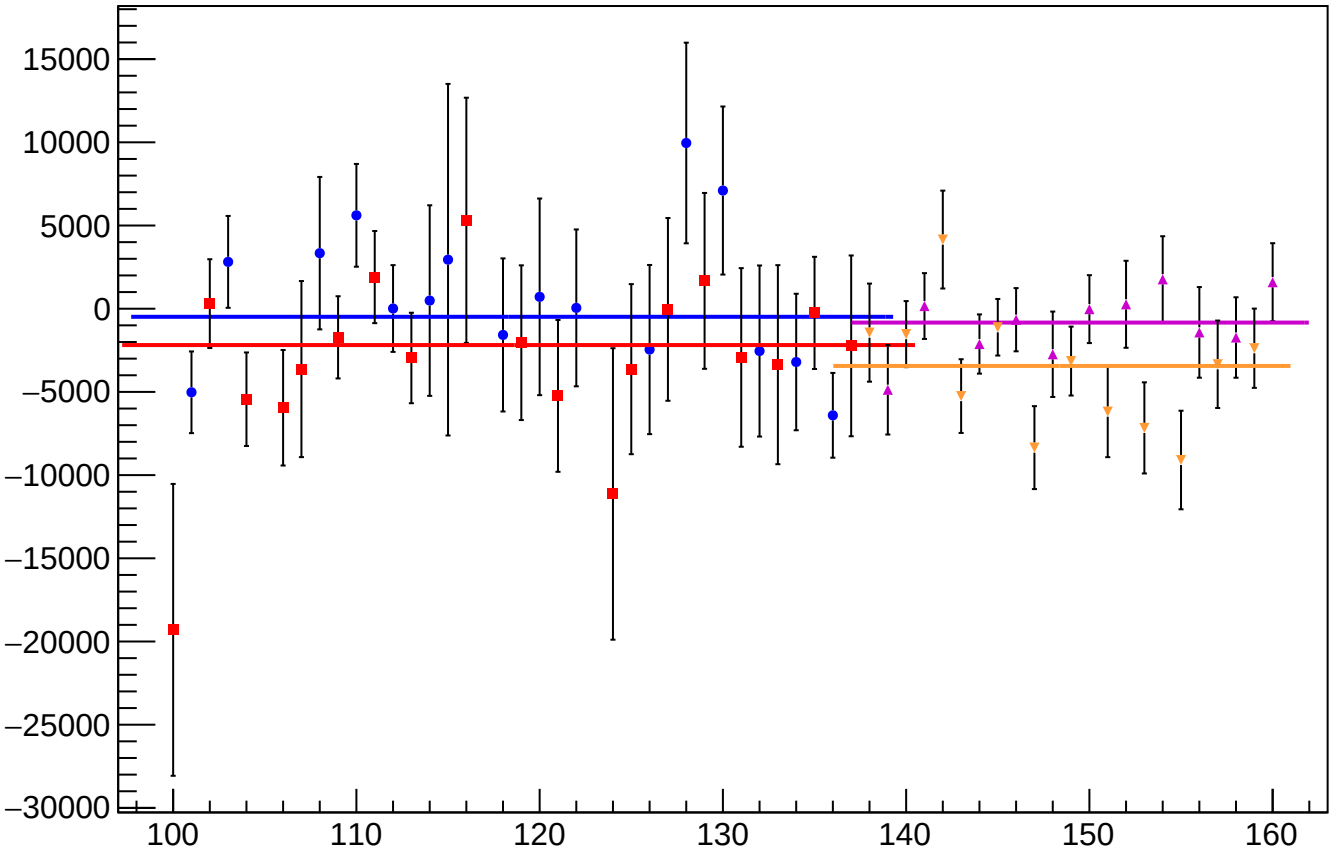
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 251.988+/-0.058 χ^2/NDF:236772.4/10

+ sign 246.641+/-0.043 χ^2/NDF: 723864.7/27

All: 245.267+/-0.030 χ^2/NDF: 1488959.0/57

- 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: -3438.612+/-685.089 χ^2/NDF:21.2/11

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

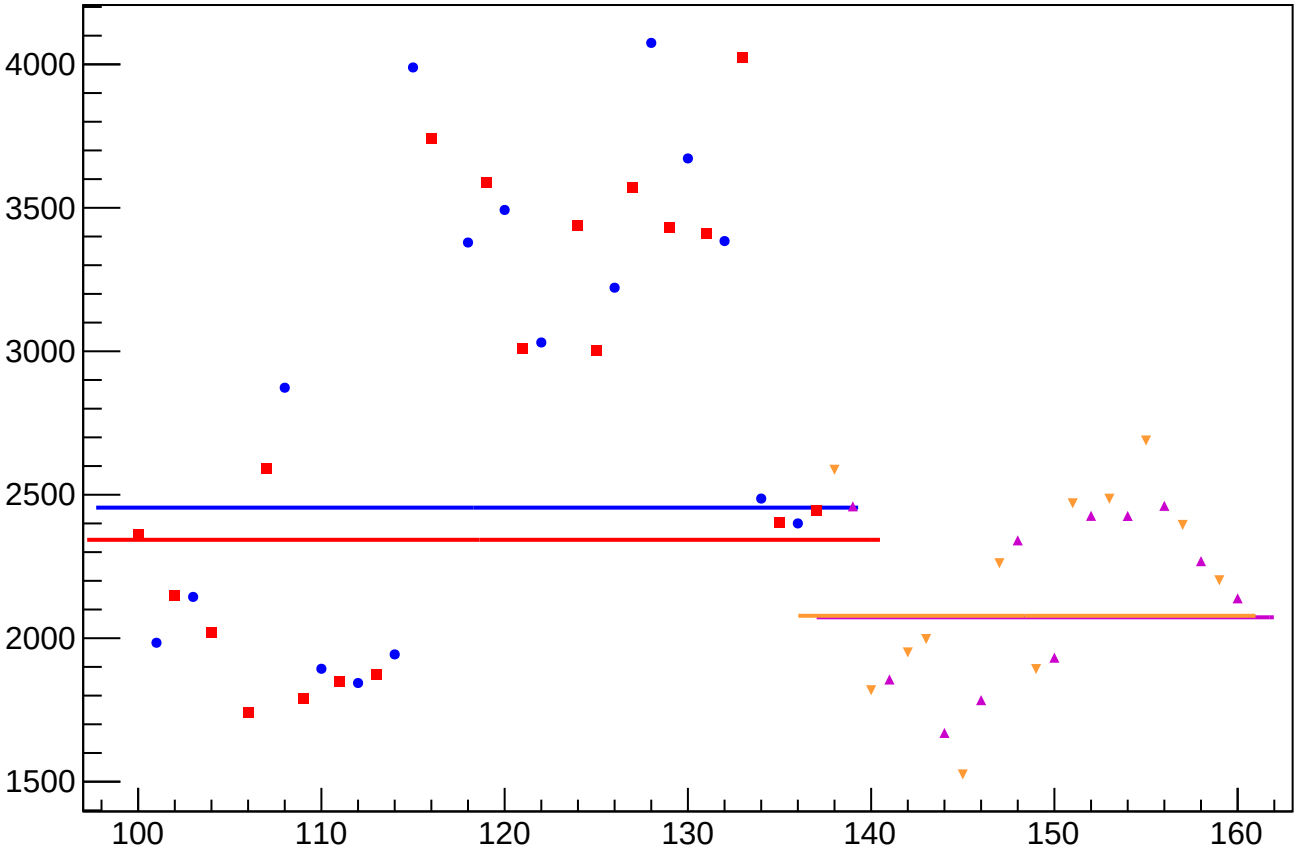
Left In: -833.179+/-680.031 χ^2/NDF:6.2/10

+ sign -2424.926+/-555.163 χ^2/NDF: 48.7/27

All: -1862.595+/-387.695 χ^2/NDF: 71.6/57

- 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: 2078.233+/-0.484 χ^2/NDF:543693.5/11

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

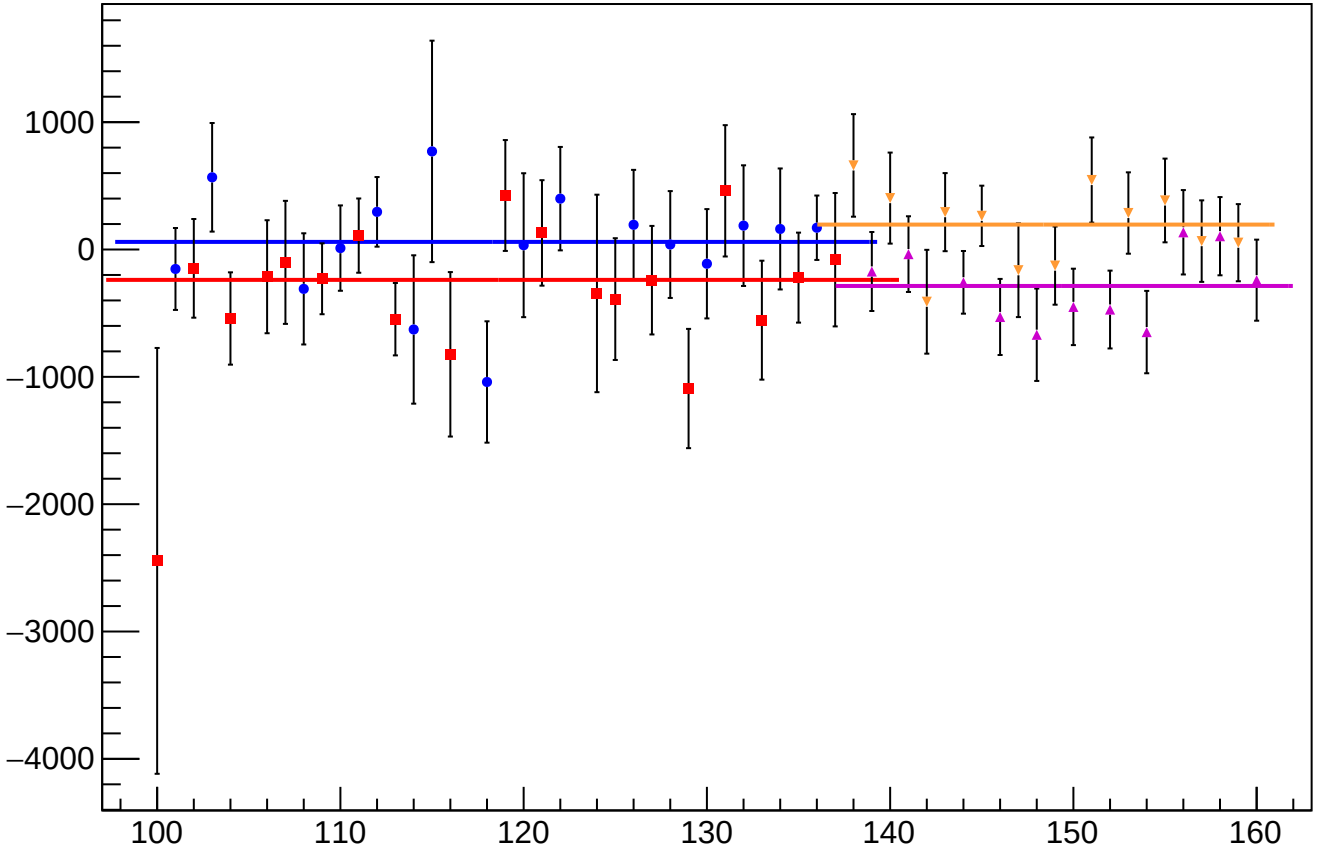
Left In: 2072.883+/-0.481 χ^2/NDF:374713.7/10

+ sign 2207.632+/-0.393 χ^2/NDF: 1645872.3/27

All: 2189.178+/-0.274 χ^2/NDF: 3210605.0/57

- 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: 195.690+/-93.209 χ^2/NDF:8.0/11

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

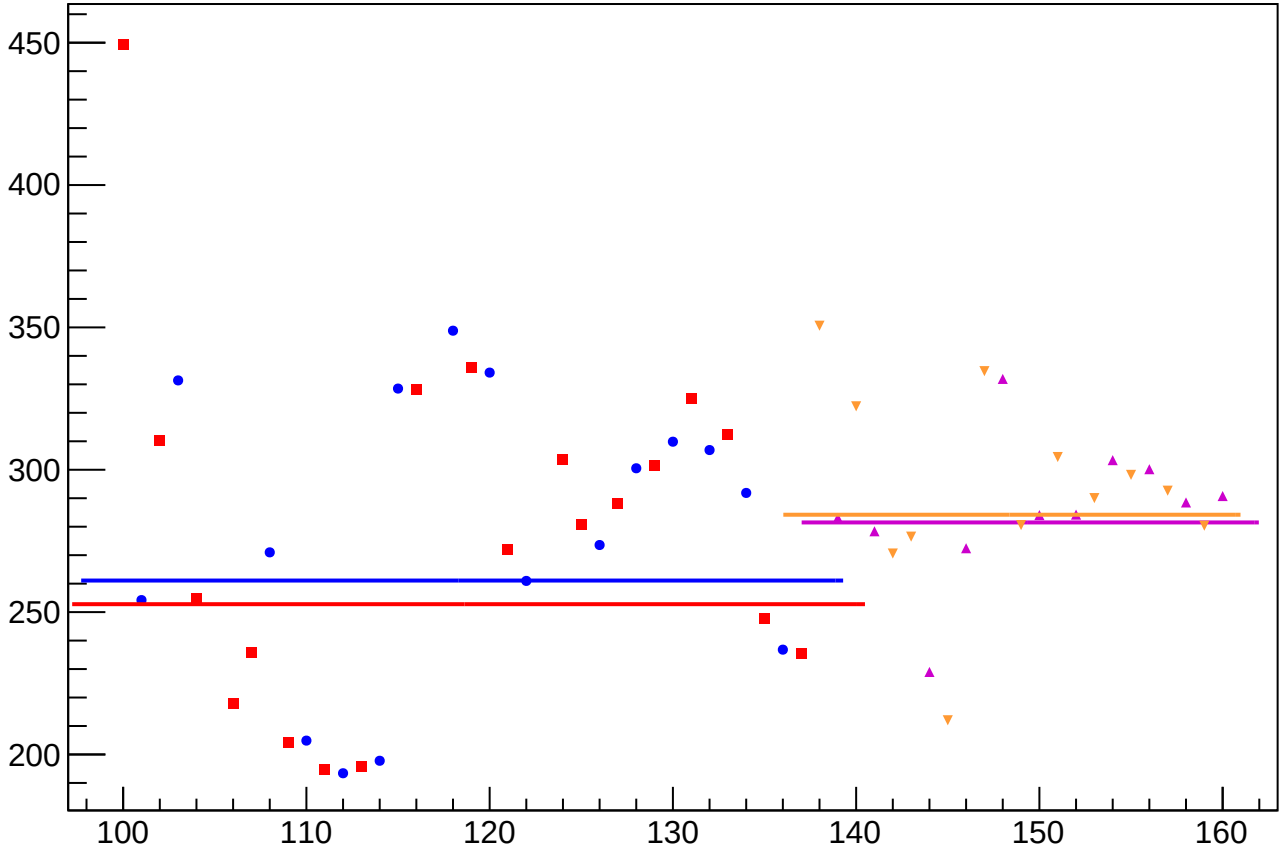
Left In: -286.276+/-92.069 χ^2/NDF:7.8/10

+ sign 131.959+/-67.937 χ^2/NDF: 21.0/27

All: -70.910+/-47.389 χ^2/NDF: 61.3/57

- 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: 284.204+/-0.066 χ^2/NDF:317379.5/11

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

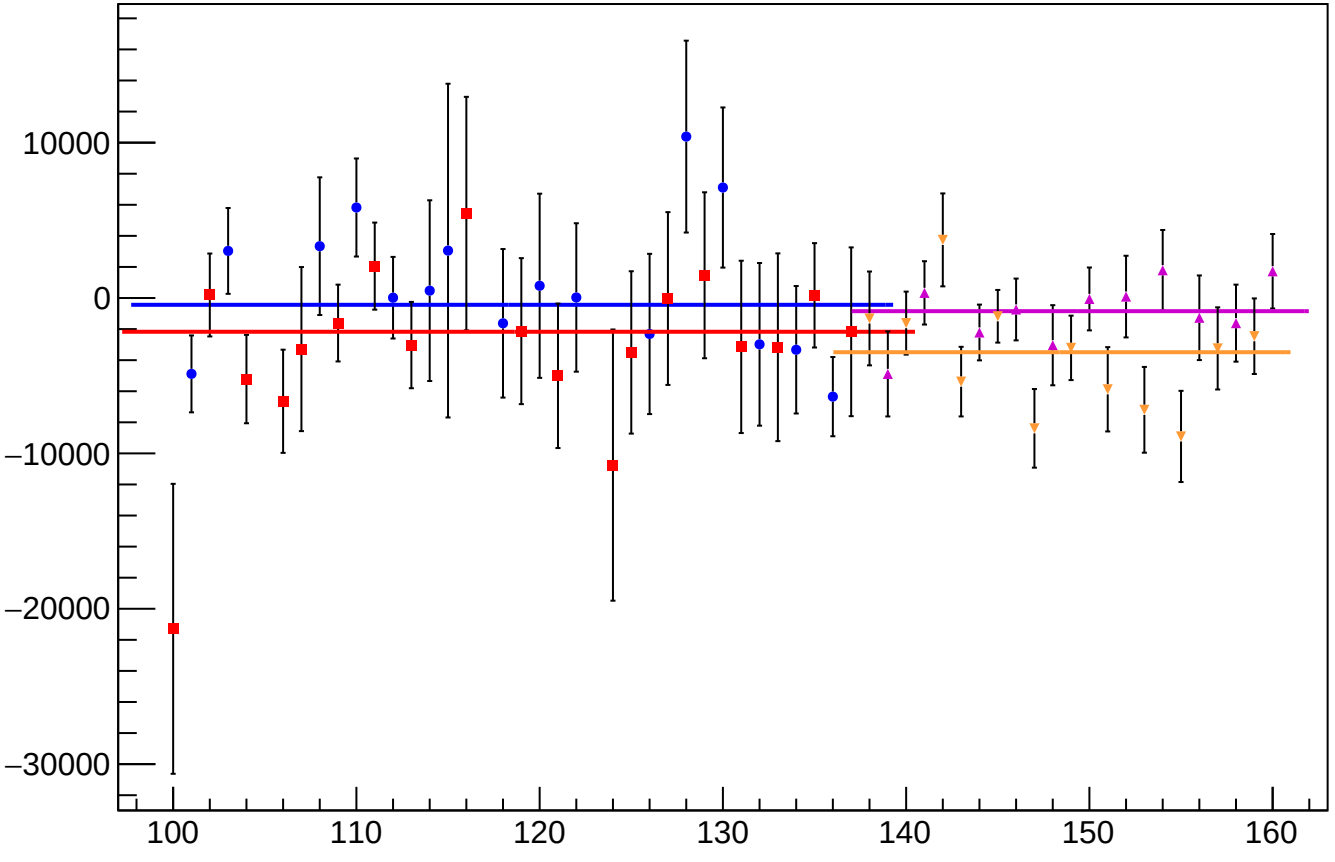
Left In: 281.496+/-0.065 χ^2/NDF:150339.5/10

+ sign 273.369+/-0.048 χ^2/NDF: 837699.9/27

All: 270.407+/-0.034 χ^2/NDF: 1626855.1/57

- 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: -3488.495+/-690.693 χ^2/NDF:19.7/11

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

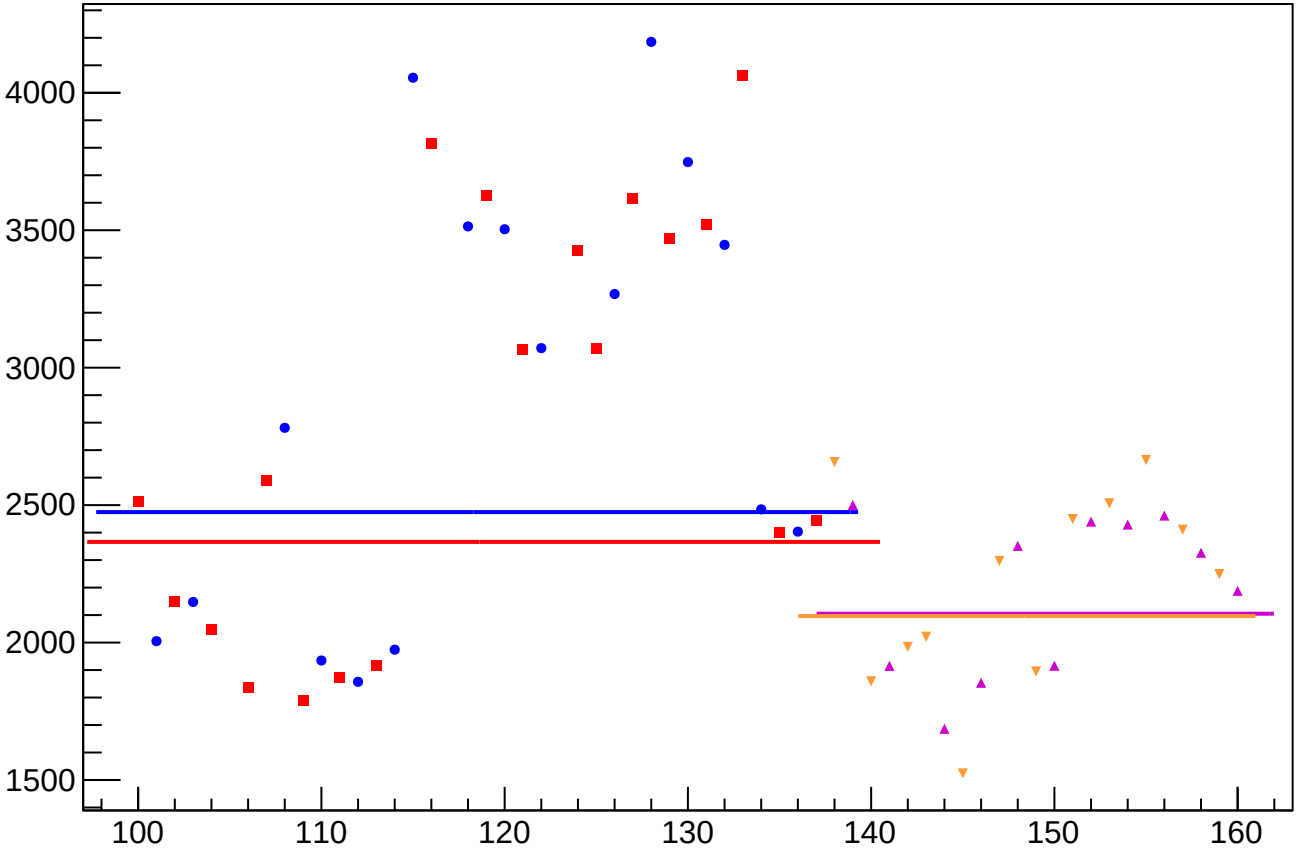
Left In: -846.127+/-690.423 χ^2/NDF:6.4/10

+ sign -2440.611+/-559.687 χ^2/NDF: 47.6/27

All: -1877.011+/-391.579 χ^2/NDF: 71.4/57

- sign -1336.607+/-548.048 χ^2/NDF: 21.8/29

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2096.290+/-0.488 χ^2/NDF:549987.9/11

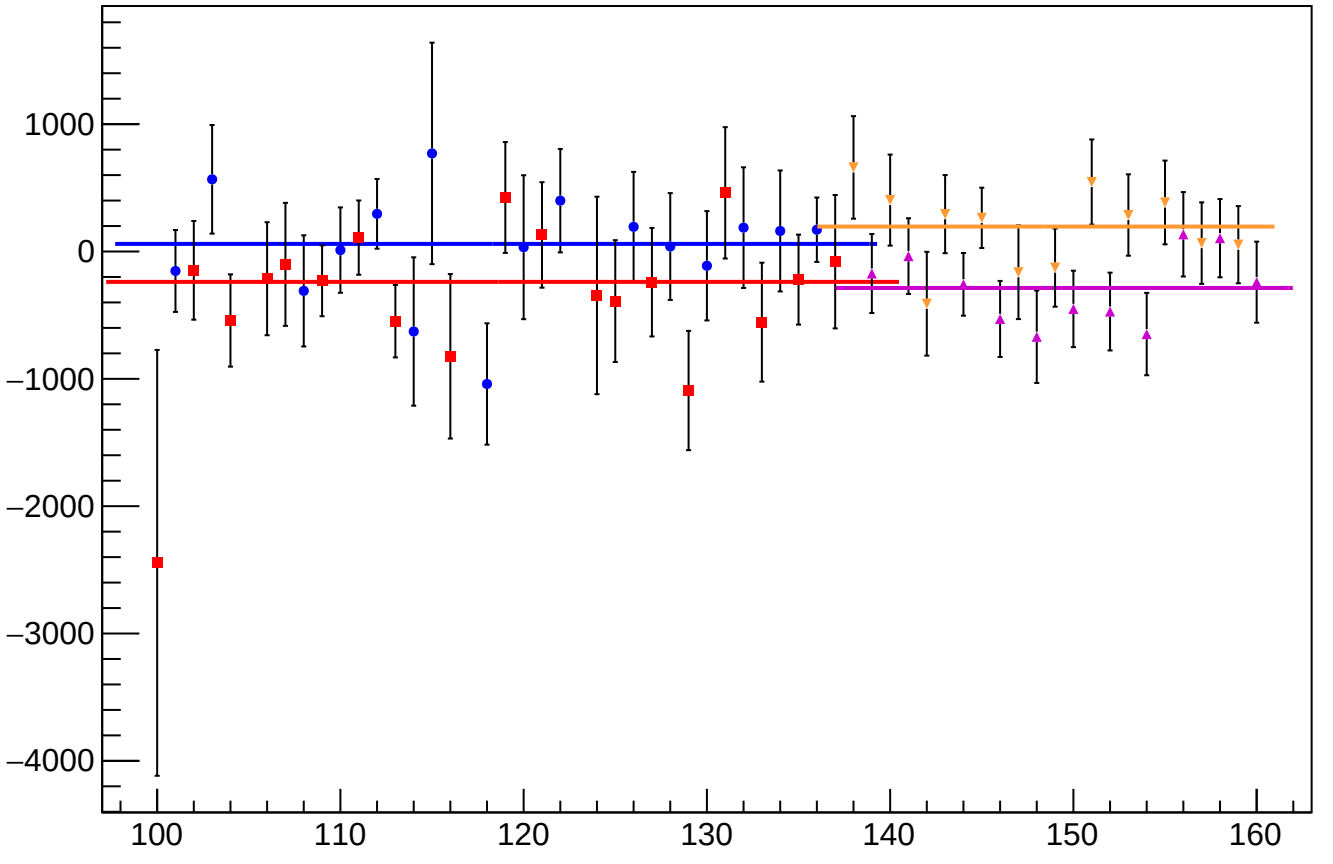
Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2105.008+/-0.488 χ^2/NDF:352494.3/10

+ sign 2226.197+/-0.396 χ^2/NDF: 1672287.3/27

All: 2213.656+/-0.277 χ^2/NDF: 3209820.0/57

- sign 2201.632+/-0.388 χ^2/NDF: 1535565.8/29



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 195.694+/-93.209 χ^2/NDF:8.0/11

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

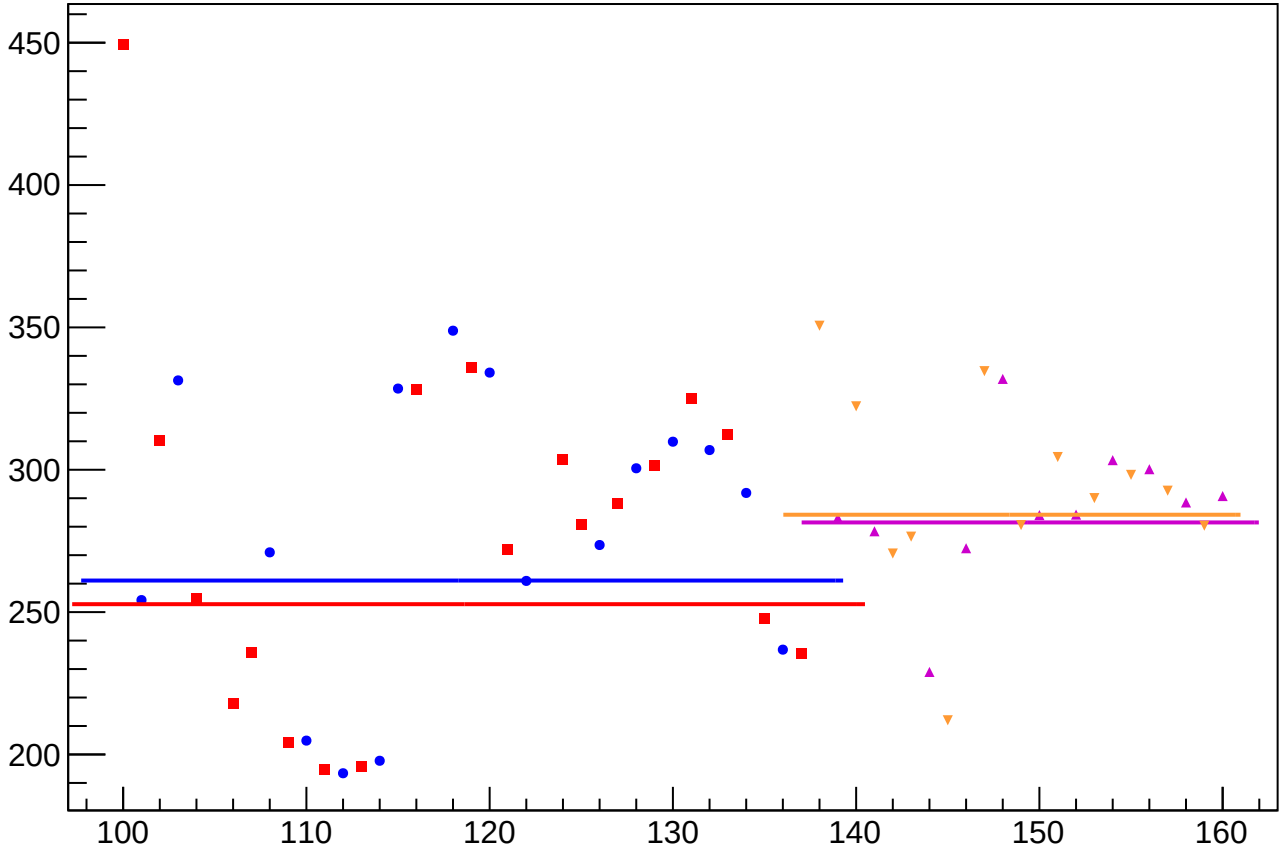
Left In: -286.278+/-92.069 χ^2/NDF:7.8/10

+ sign 131.963+/-67.938 χ^2/NDF: 21.0/27

All: -70.908+/-47.389 χ^2/NDF: 61.3/57

- 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: 284.205+/-0.066 χ^2/NDF:317374.9/11

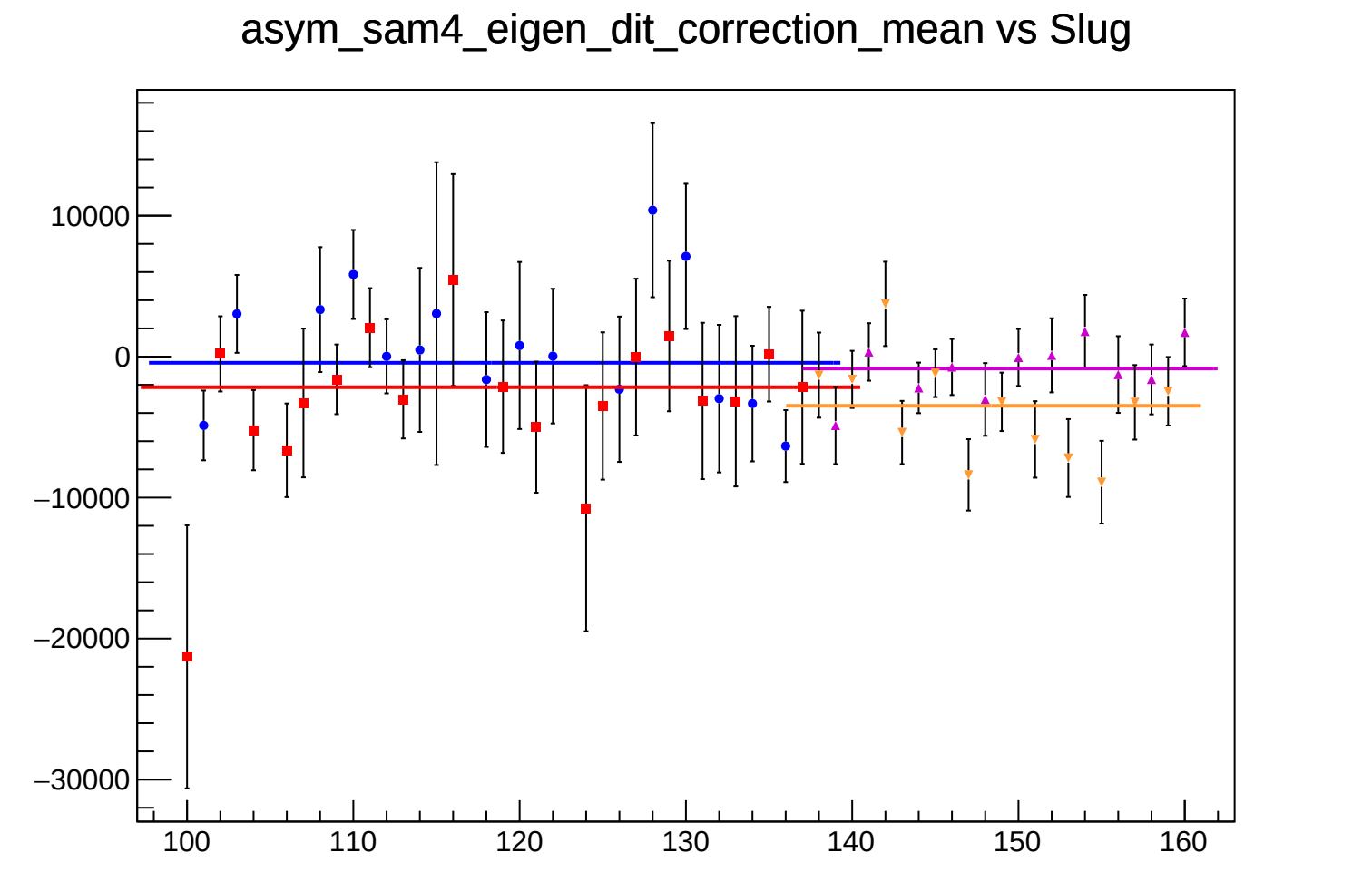
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 281.496+/-0.065 χ^2/NDF:150337.7/10

+ sign 273.369+/-0.048 χ^2/NDF: 837700.5/27

All: 270.408+/-0.034 χ^2/NDF: 1626860.3/57

- sign 267.601+/-0.047 χ^2/NDF: 781756.3/29



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3488.489+/-690.692 χ^2/NDF:19.7/11

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

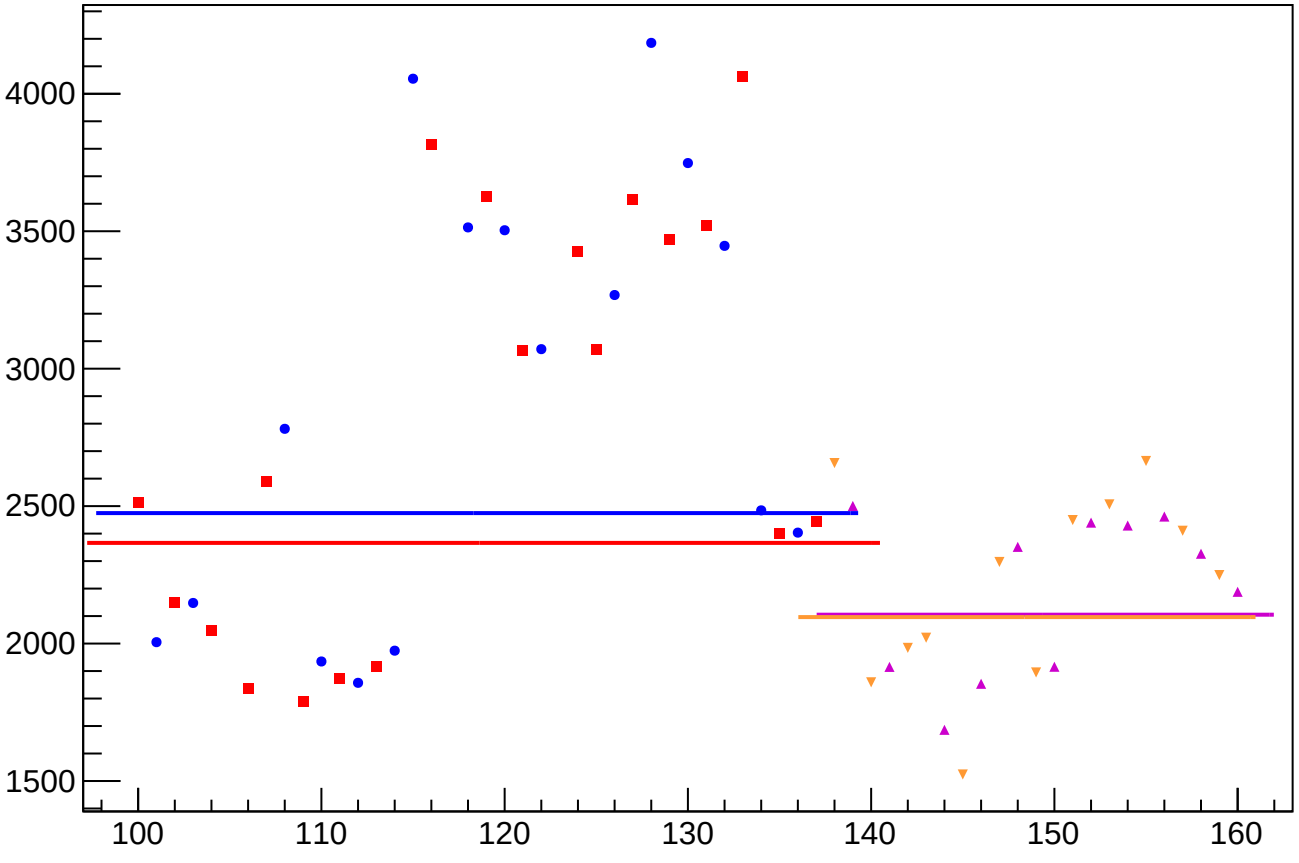
Left In: -846.126+/-690.423 χ^2/NDF:6.4/10

+ sign -2440.608+/-559.687 χ^2/NDF: 47.6/27

All: -1877.008+/-391.578 χ^2/NDF: 71.4/57

- 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: 2096.287+/-0.488 χ^2/NDF:549990.9/11

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

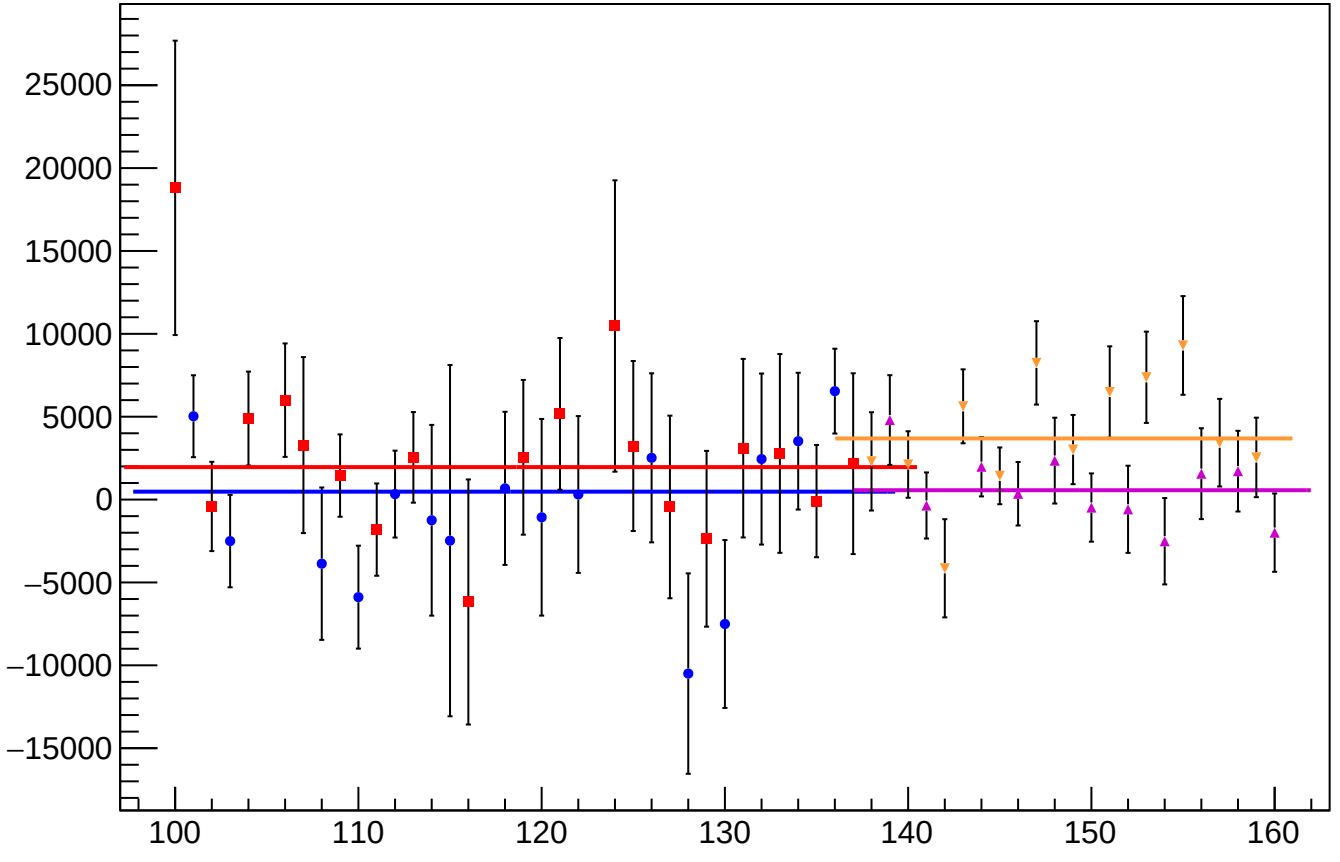
Left In: 2105.006+/-0.488 χ^2/NDF:352492.4/10

+ sign 2226.195+/-0.396 χ^2/NDF: 1672294.5/27

All: 2213.655+/-0.277 χ^2/NDF: 3209827.5/57

- 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: 3687.748+/-690.364 χ^2/NDF:20.3/11

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

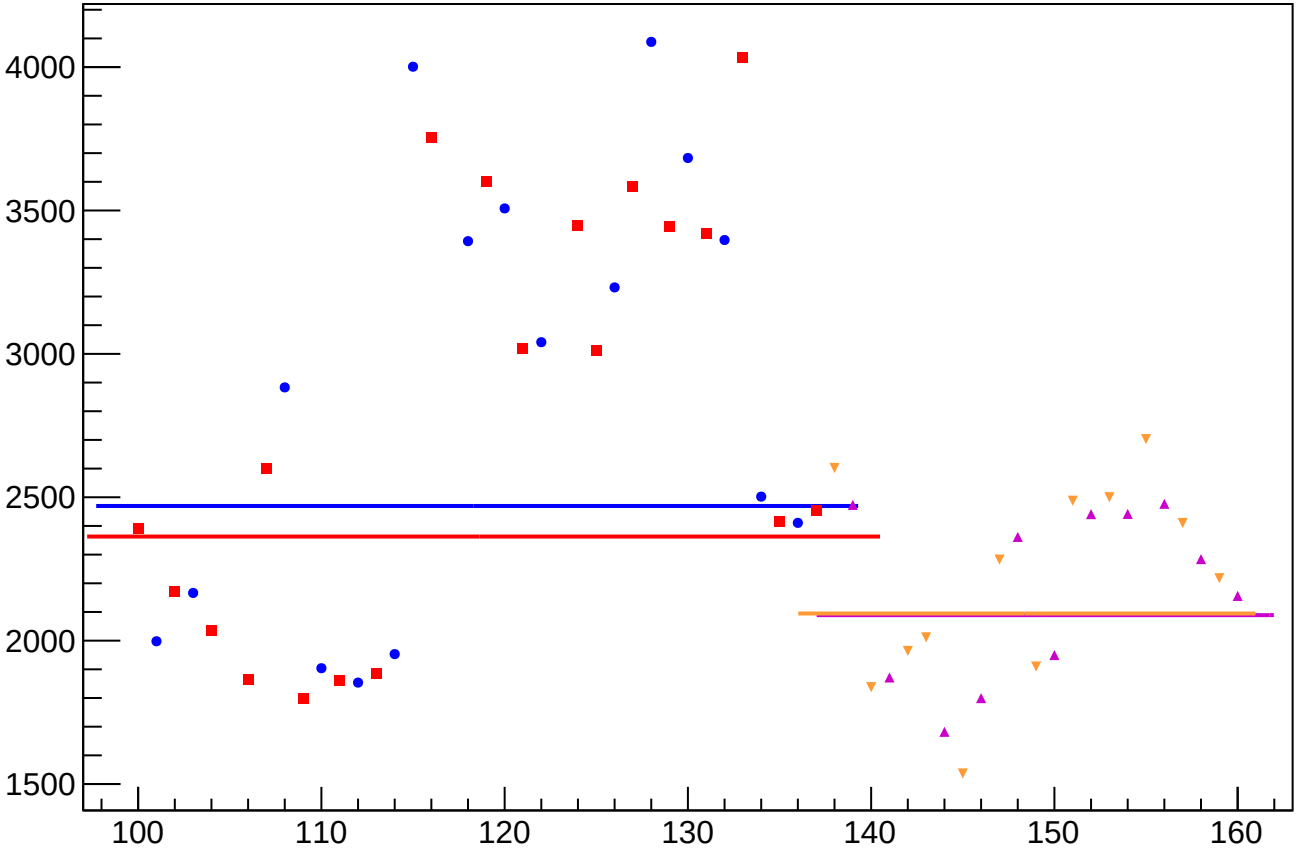
Left In: 563.908+/-685.203 χ^2/NDF:7.2/10

+ sign 2582.444+/-559.032 χ^2/NDF: 49.9/27

All: 1810.350+/-390.282 χ^2/NDF: 75.1/57

- 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: 2094.671+/-0.488 χ^2/NDF:538279.0/11

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

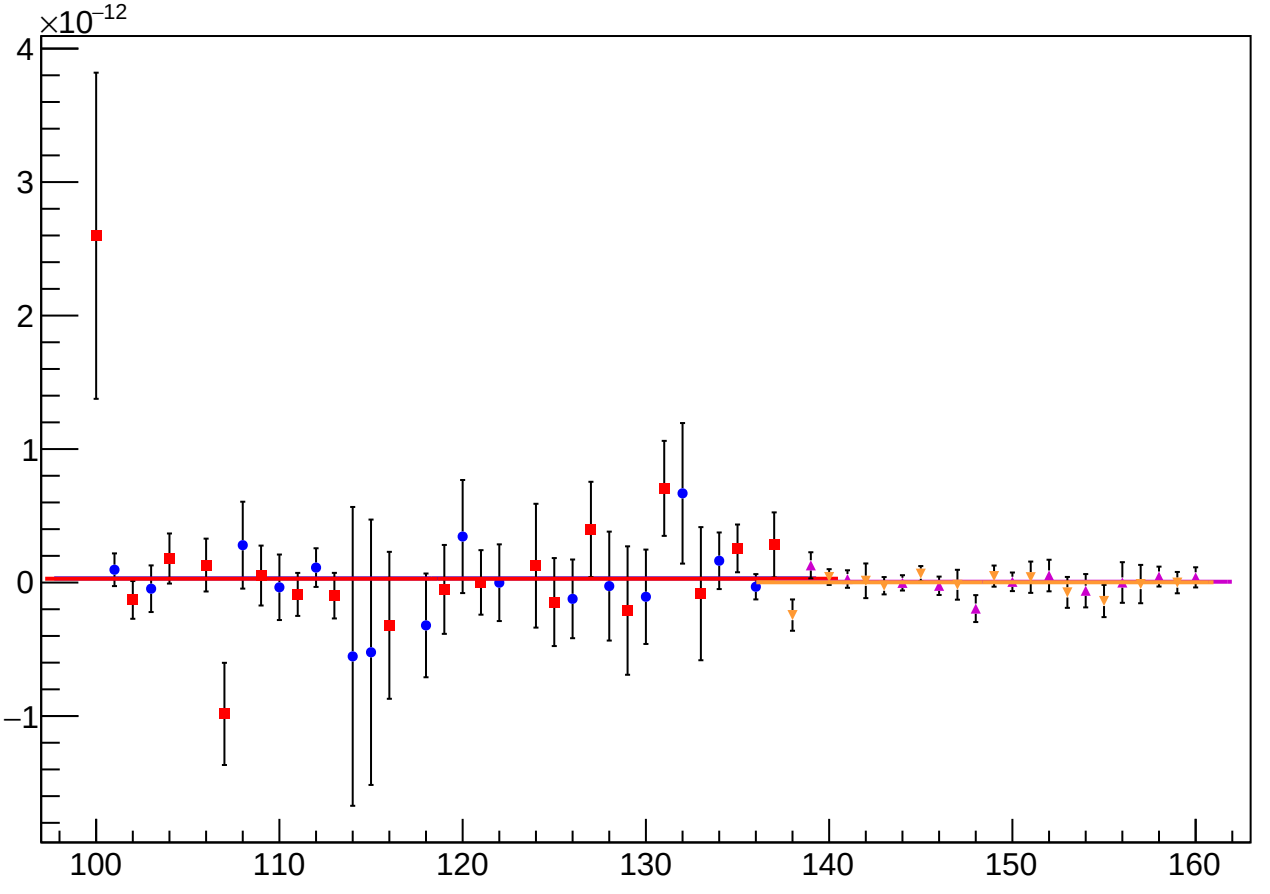
Left In: 2088.947+/-0.485 χ^2/NDF:371389.7/10

+ sign 2223.766+/-0.395 χ^2/NDF: 1627588.9/27

All: 2206.237+/-0.276 χ^2/NDF: 3163650.3/57

- 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:8.5/11

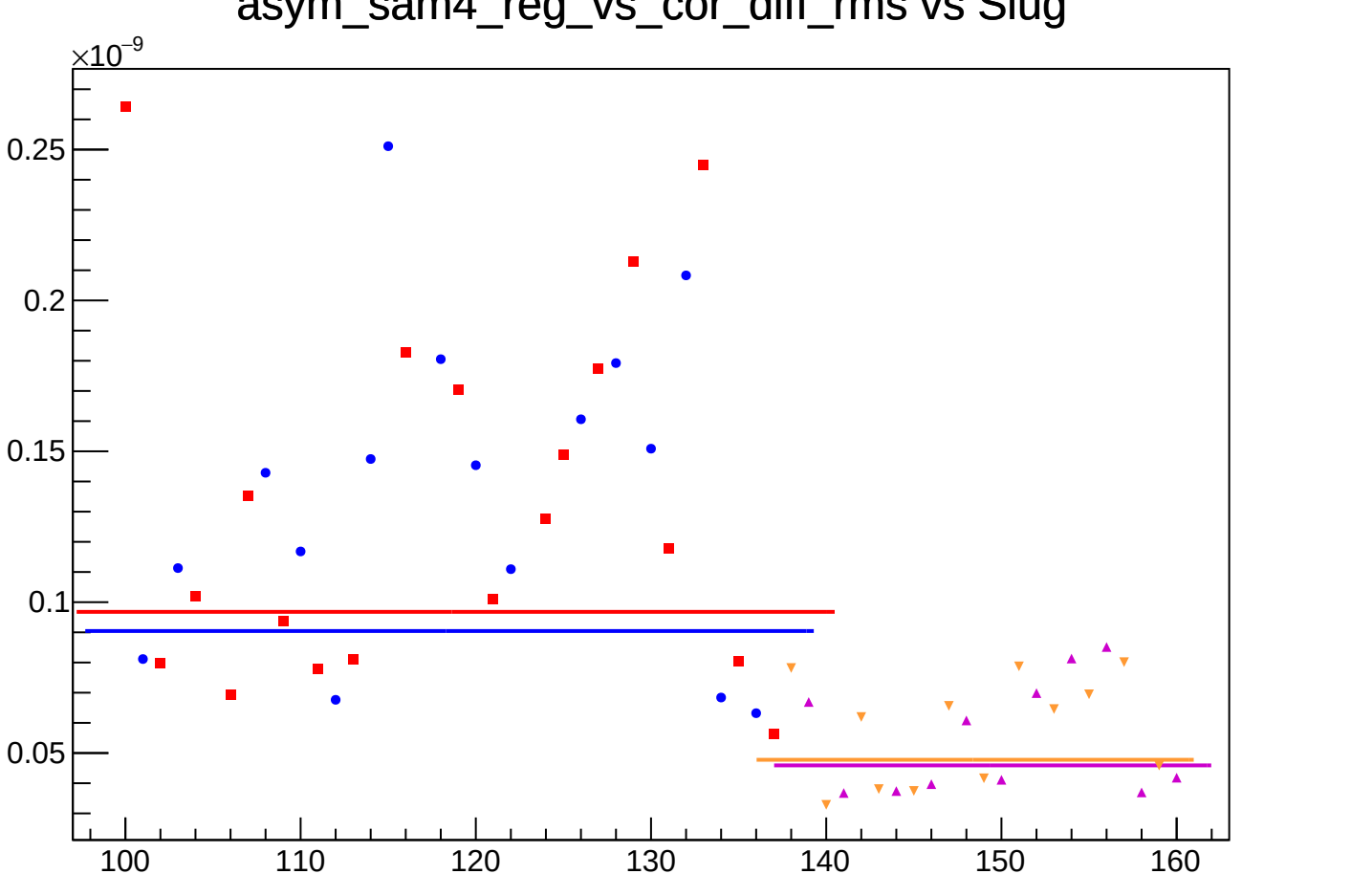
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

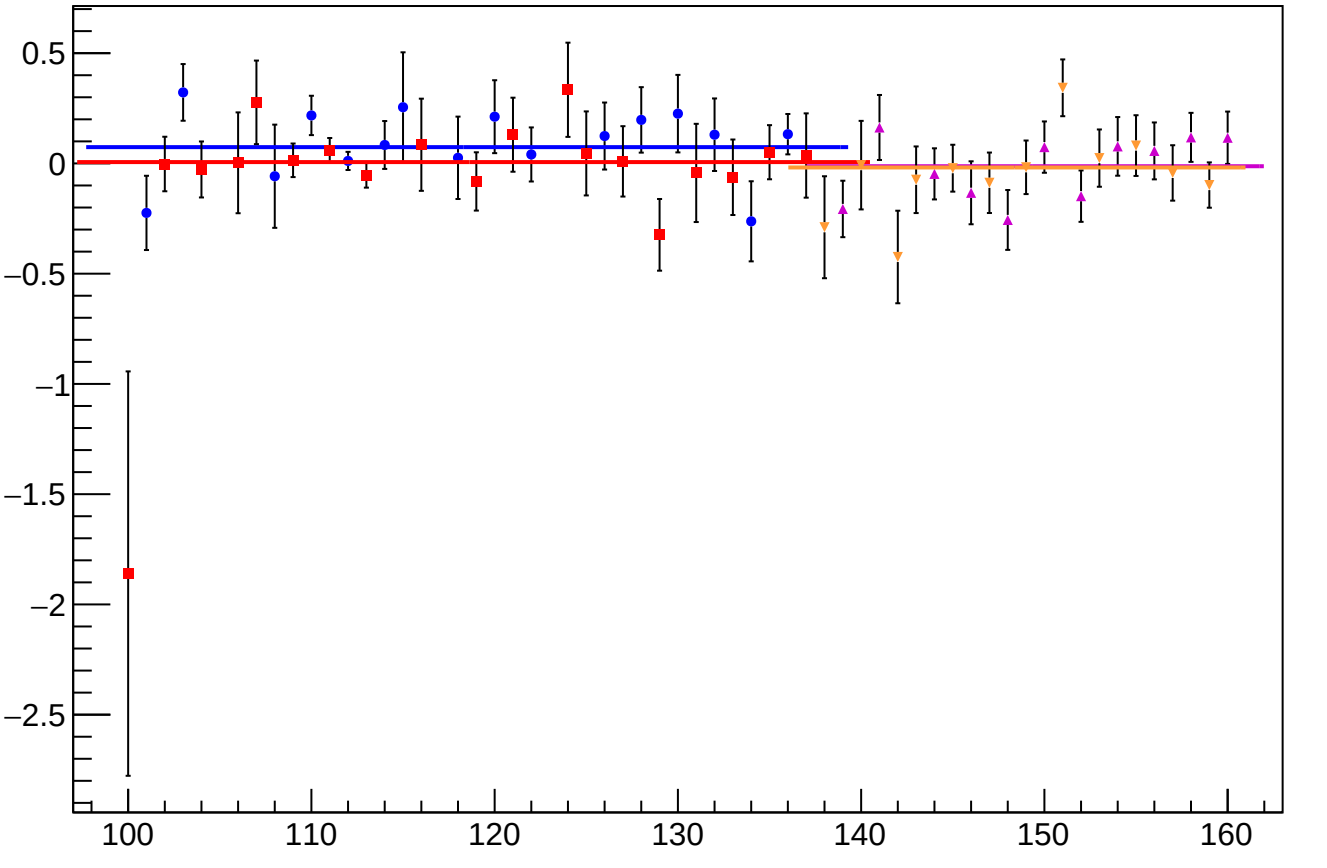
Left In: 0.000+/-0.000 χ^2/NDF:6.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 14.9/27

All: 0.000+/-0.000 χ^2/NDF: 45.0/57

- sign 0.000+/-0.000 χ^2/NDF: 30.1/29


asym_sam4_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 926723.8/15
Left Out: 0.000+/-0.000 χ²/NDF:808742.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 851500.3/18
Left In: 0.000+/-0.000 χ²/NDF:654297.2/10
+ sign 0.000+/-0.000 χ²/NDF: 2813335.8/27
All: 0.000+/-0.000 χ²/NDF: 5715670.3/57
- sign 0.000+/-0.000 χ²/NDF: 2897598.7/29



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.039 χ^2/NDF:14.6/11

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

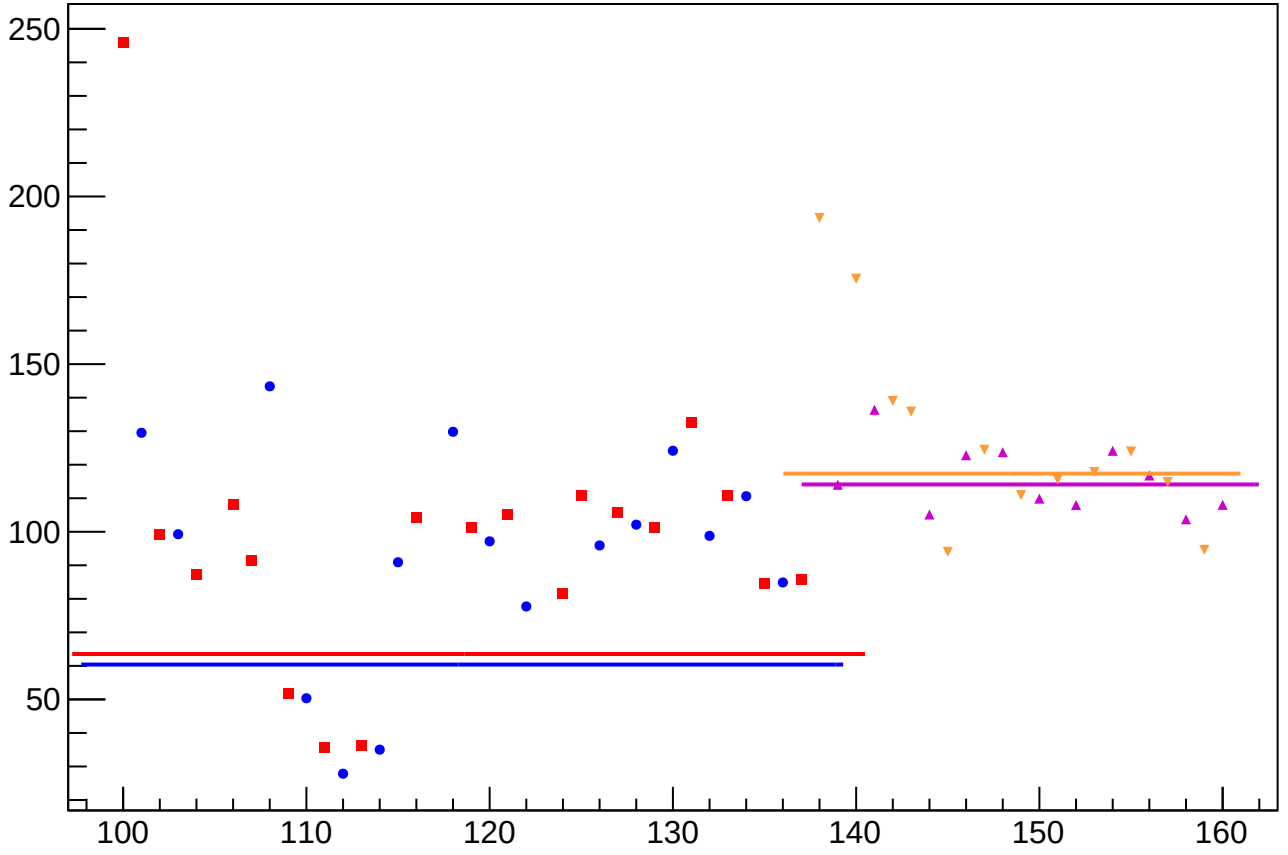
Left In: -0.013+/-0.038 χ^2/NDF:13.0/10

+ sign 0.044+/-0.022 χ^2/NDF: 37.4/27

All: 0.022+/-0.016 χ^2/NDF: 68.9/57

- 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: 117.346+/-0.028 χ^2/NDF:646943.7/11

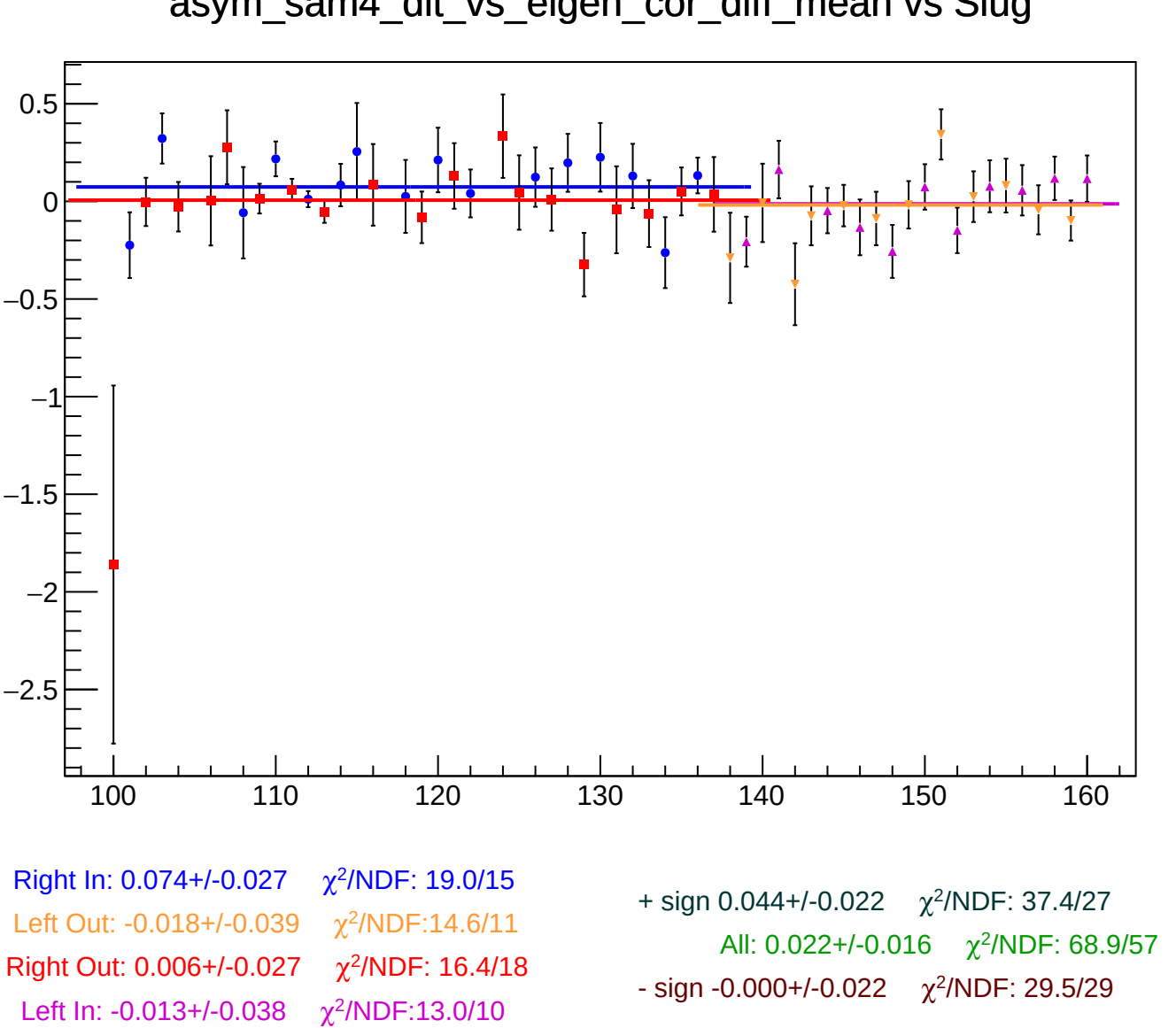
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.113+/-0.027 χ^2/NDF:118184.3/10

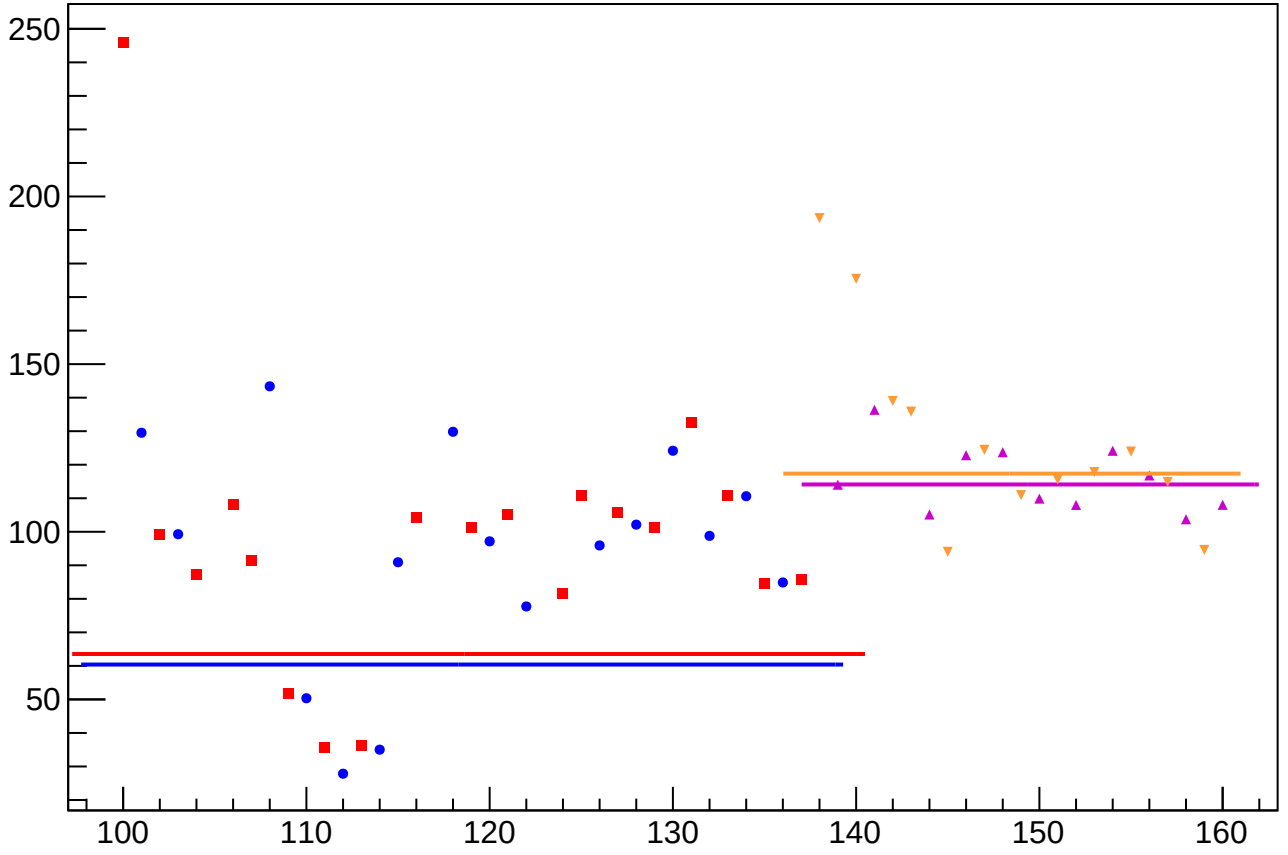
\+ sign 78.716+/-0.016 χ^2/NDF: 7043892.1/27

All: 79.627+/-0.011 χ^2/NDF: 12204663.5/57

\- sign 80.507+/-0.015 χ^2/NDF: 5154184.5/29


asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
Right In: 0.074+/-0.027 χ²/NDF: 19.0/15
Left Out: -0.018+/-0.039 χ²/NDF:14.6/11
Right Out: 0.006+/-0.027 χ²/NDF: 16.4/18
Left In: -0.013+/-0.038 χ²/NDF:13.0/10
+ sign 0.044+/-0.022 χ²/NDF: 37.4/27
All: 0.022+/-0.016 χ²/NDF: 68.9/57
- sign -0.000+/-0.022 χ²/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: 117.346+/-0.028 χ^2/NDF:646943.7/11

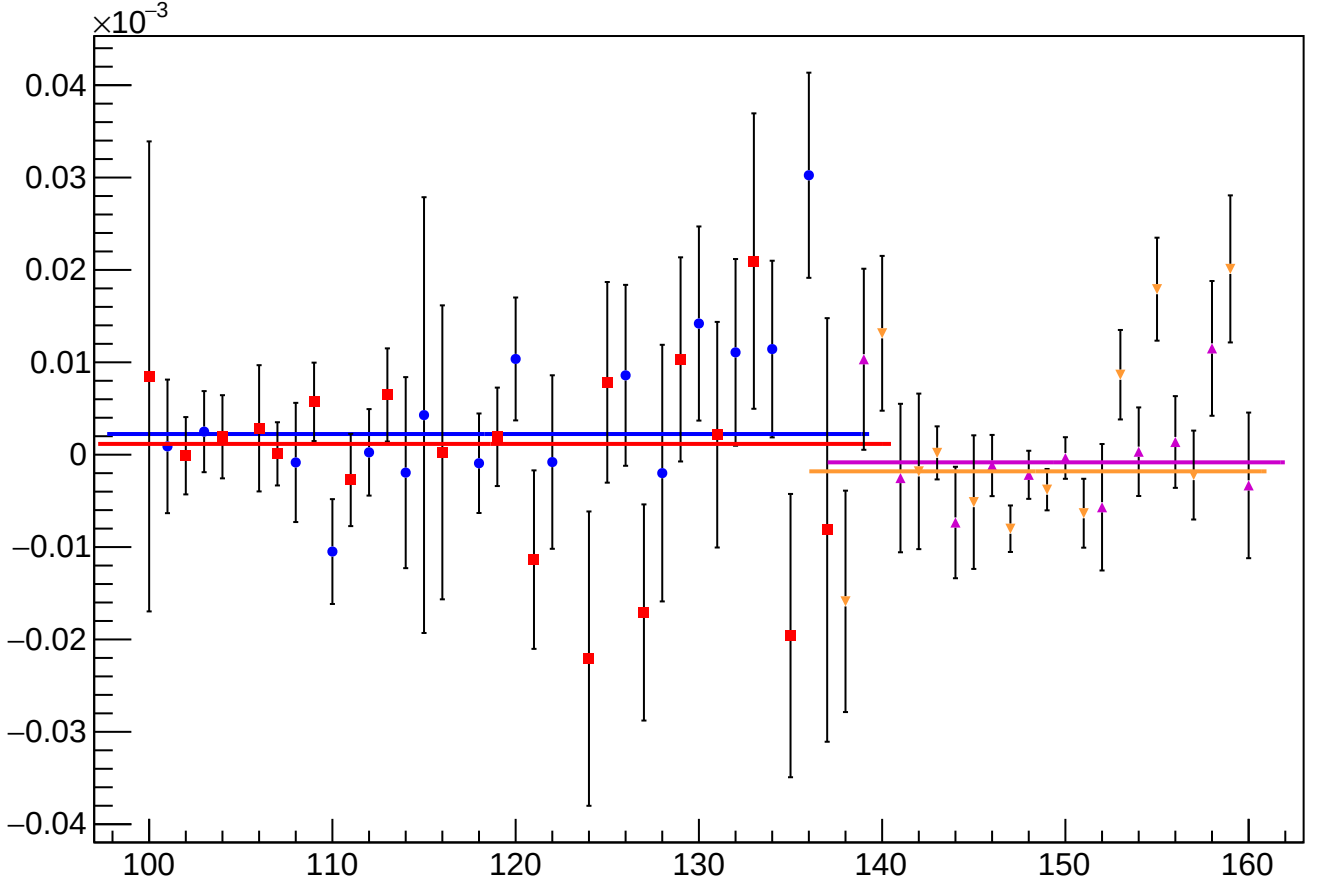
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.113+/-0.027 χ^2/NDF:118184.3/10

+ sign 78.716+/-0.016 χ^2/NDF: 7043892.1/27

All: 79.627+/-0.011 χ^2/NDF: 12204663.5/57

- 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:38.4/11

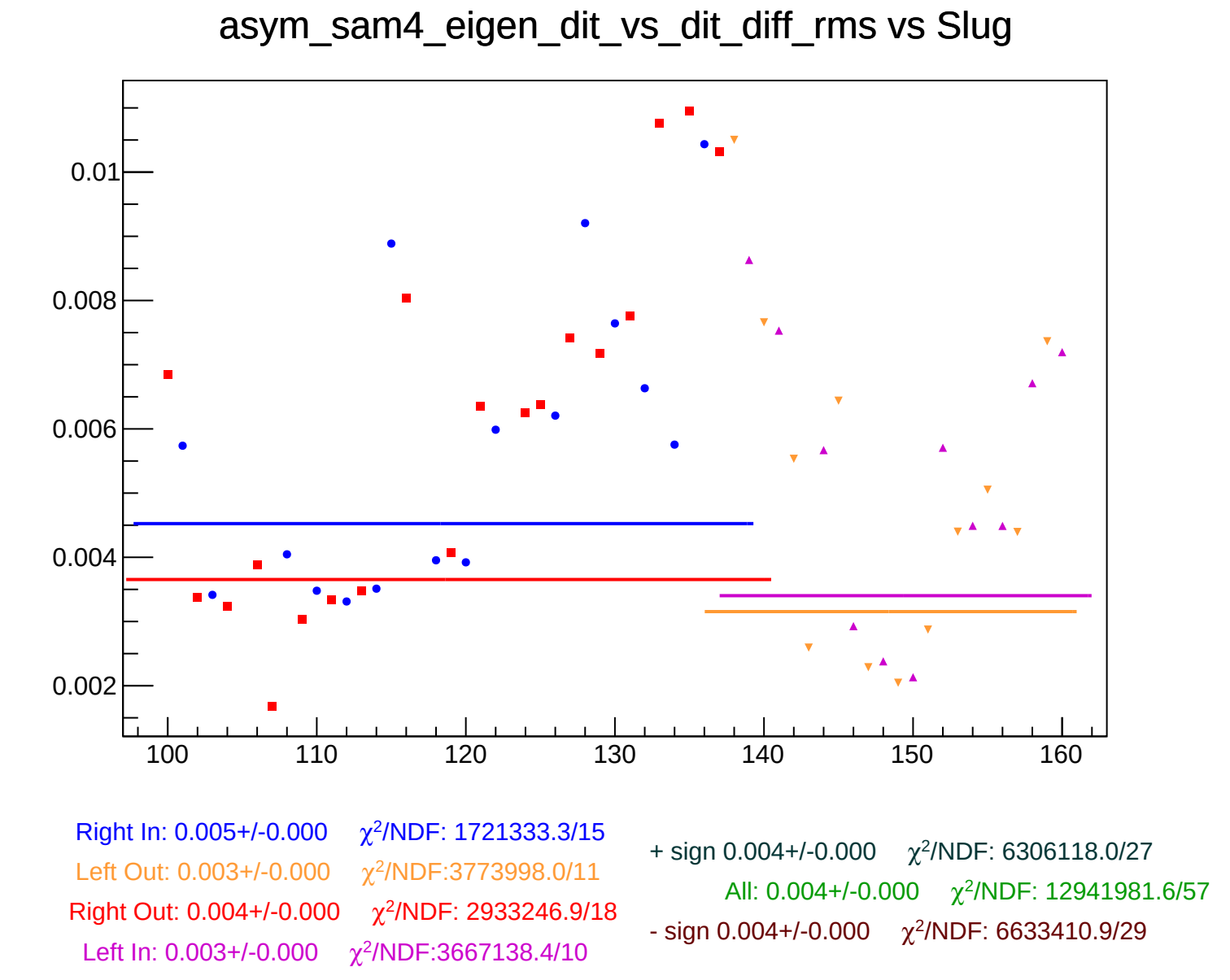
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

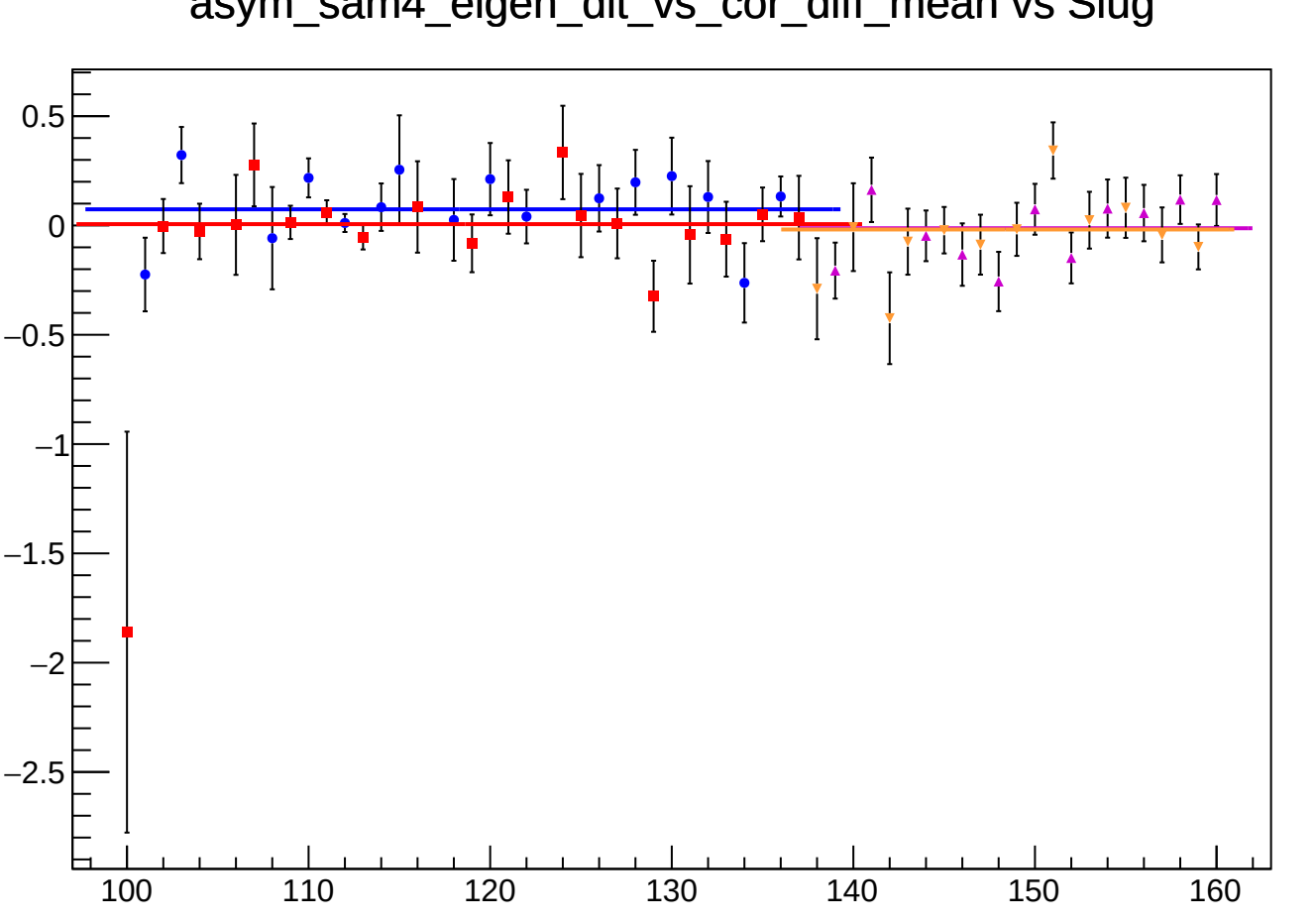
Left In: -0.000+/-0.000 χ^2/NDF:6.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 59.3/27

All: -0.000+/-0.000 χ^2/NDF: 81.2/57

- sign -0.000+/-0.000 χ^2/NDF: 21.7/29


asym_sam4_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: 0.005+/-0.000 χ²/NDF: 1721333.3/15
Left Out: 0.003+/-0.000 χ²/NDF:3773998.0/11
Right Out: 0.004+/-0.000 χ²/NDF: 2933246.9/18
Left In: 0.003+/-0.000 χ²/NDF:3667138.4/10
+ sign 0.004+/-0.000 χ²/NDF: 6306118.0/27
All: 0.004+/-0.000 χ²/NDF: 12941981.6/57
- sign 0.004+/-0.000 χ²/NDF: 6633410.9/29



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.039 χ^2/NDF:14.6/11

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

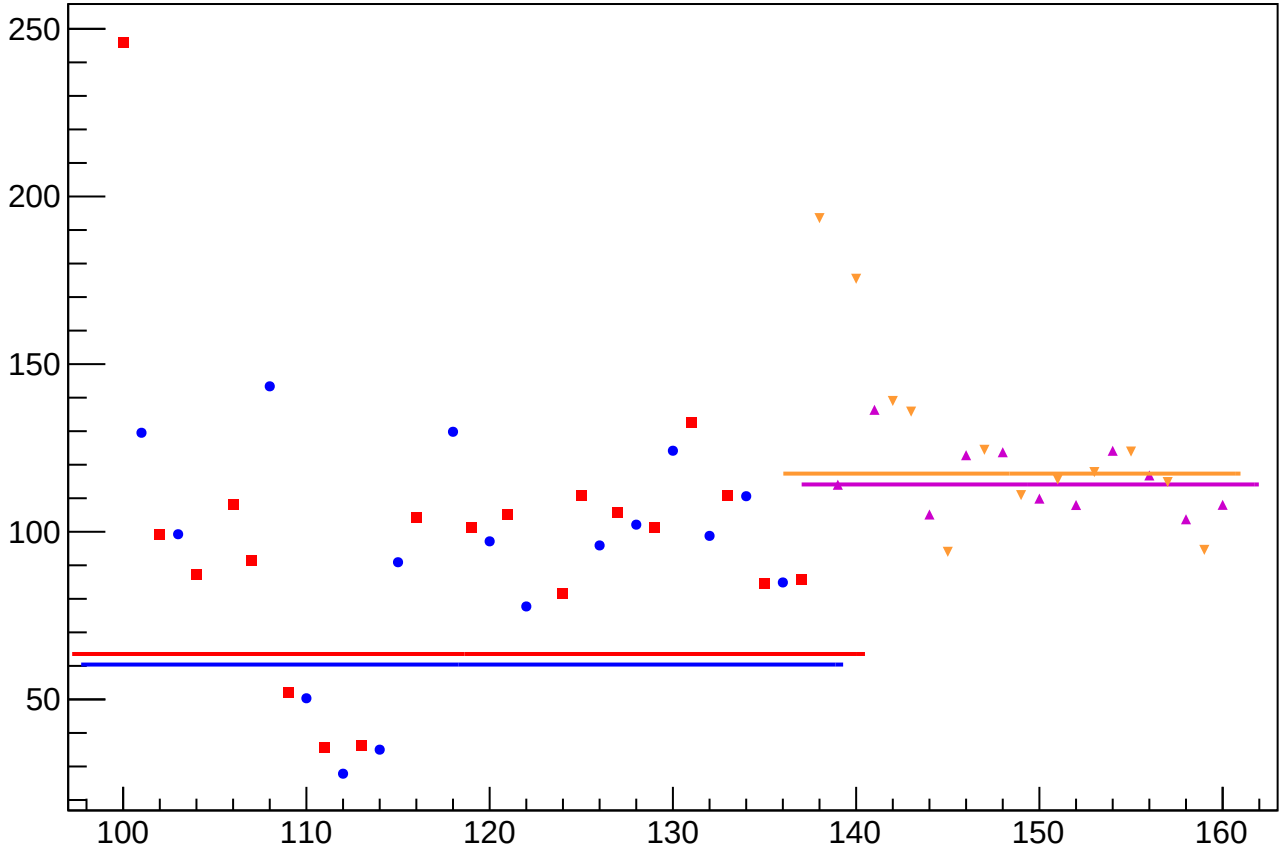
Left In: -0.013+/-0.038 χ^2/NDF:13.0/10

+ sign 0.044+/-0.022 χ^2/NDF: 37.4/27

All: 0.022+/-0.016 χ^2/NDF: 68.9/57

- 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: 117.348+/-0.028 χ^2/NDF:646912.7/11

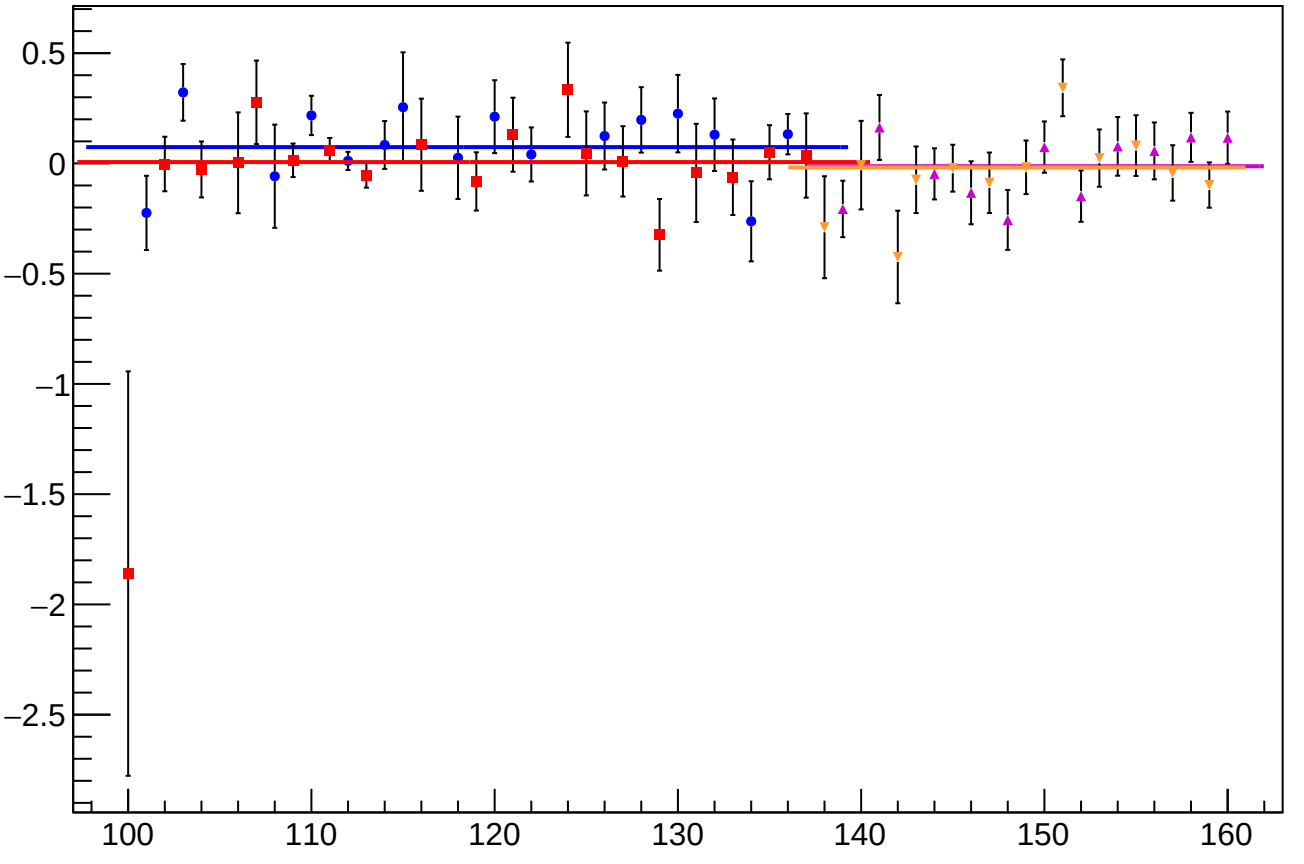
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.114+/-0.027 χ^2/NDF:118183.4/10

\+ sign 78.714+/-0.016 χ^2/NDF: 7044470.5/27

All: 79.625+/-0.011 χ^2/NDF: 12205794.1/57

\- 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: -0.018+/-0.039 χ^2/NDF:14.6/11

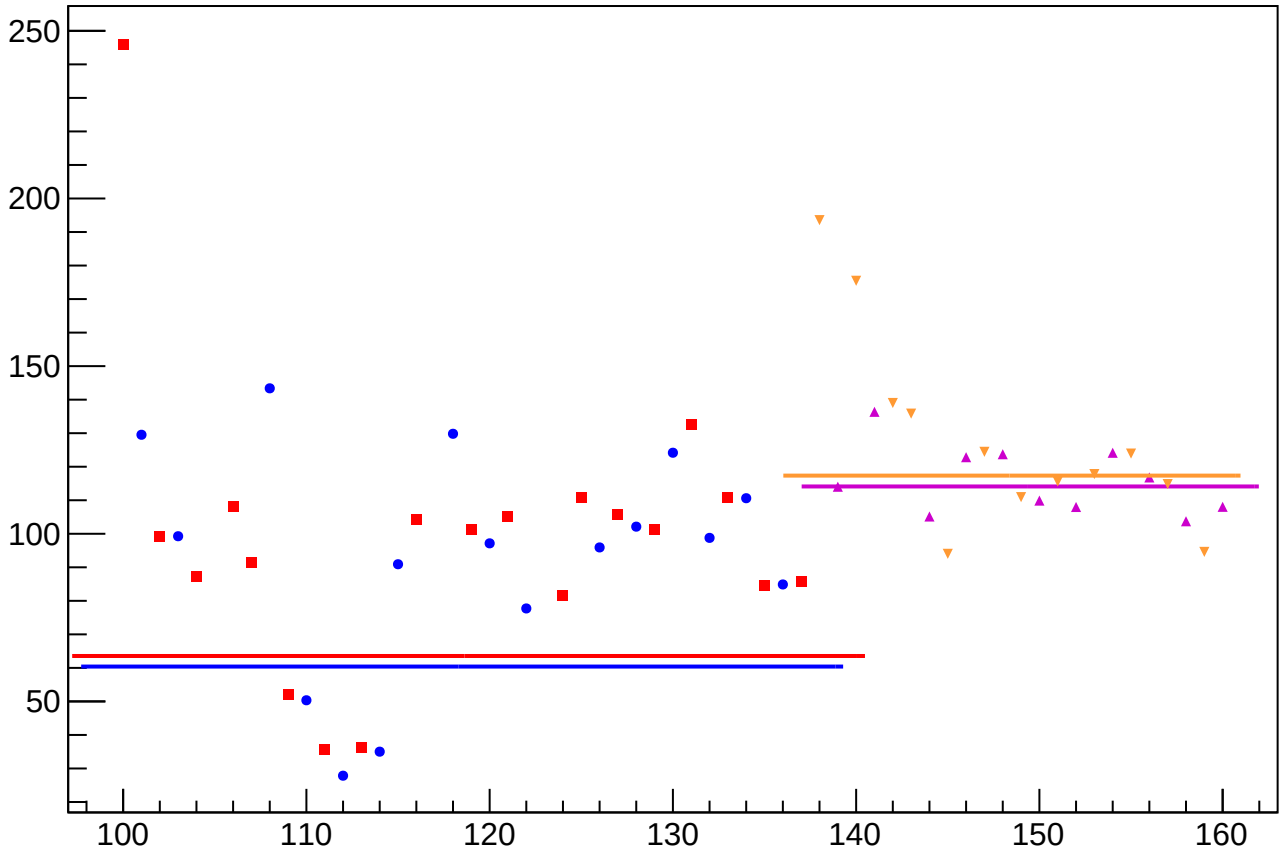
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.013+/-0.038 χ^2/NDF:13.0/10

+ sign 0.044+/-0.022 χ^2/NDF: 37.4/27

All: 0.022+/-0.016 χ^2/NDF: 68.9/57

- 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: 117.348+/-0.028 χ^2/NDF:646912.7/11

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

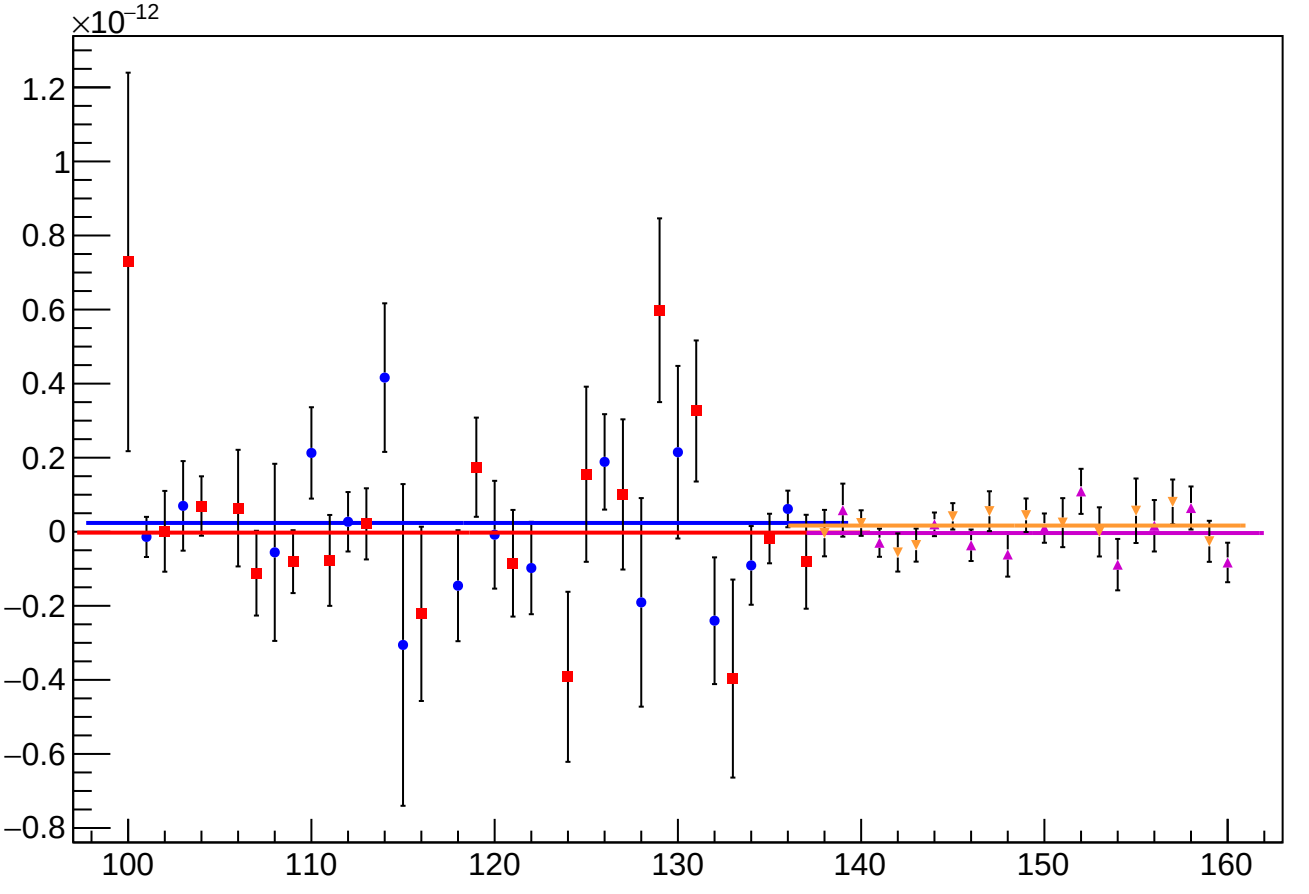
Left In: 114.114+/-0.027 χ^2/NDF:118183.4/10

+ sign 78.714+/-0.016 χ^2/NDF: 7044470.5/27

All: 79.625+/-0.011 χ^2/NDF: 12205794.1/57

- 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:6.9/11

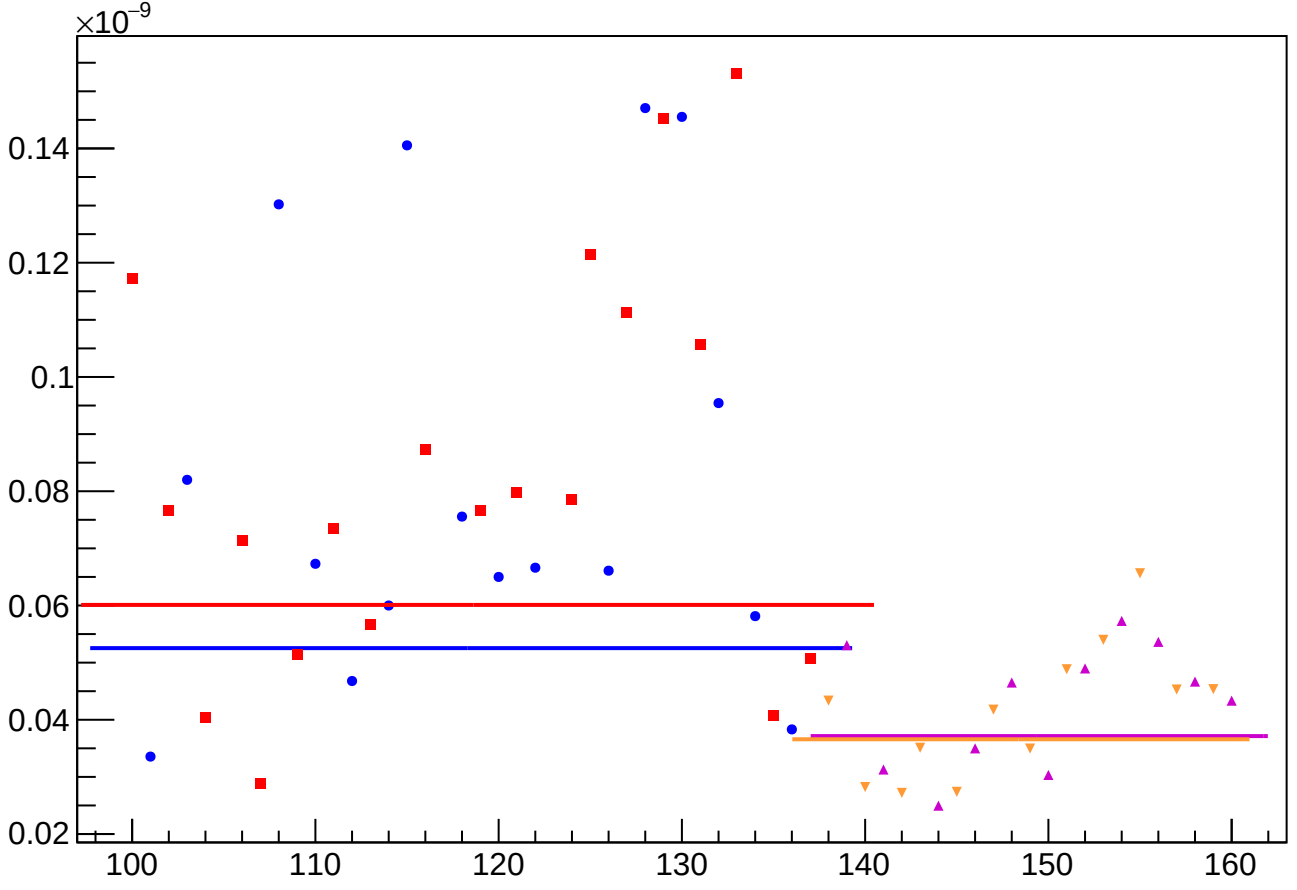
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:12.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/27

All: 0.000+/-0.000 χ^2/NDF: 60.4/57

- 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:883577.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

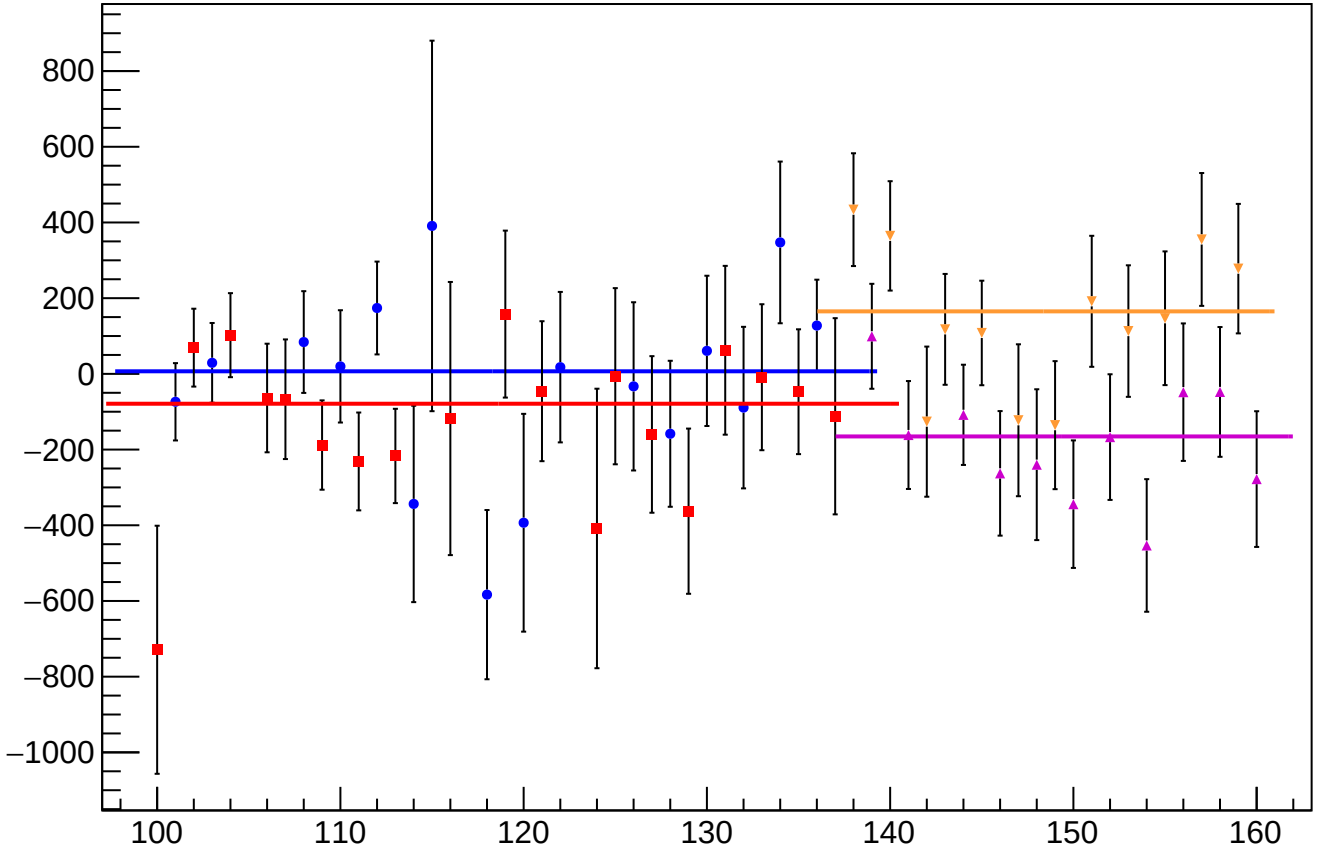
Left In: 0.000+/-0.000 χ^2/NDF:988633.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 3101195.2/27

All: 0.000+/-0.000 χ^2/NDF: 6649365.8/57

- 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: 165.131+/-47.543 χ^2/NDF:14.5/11

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

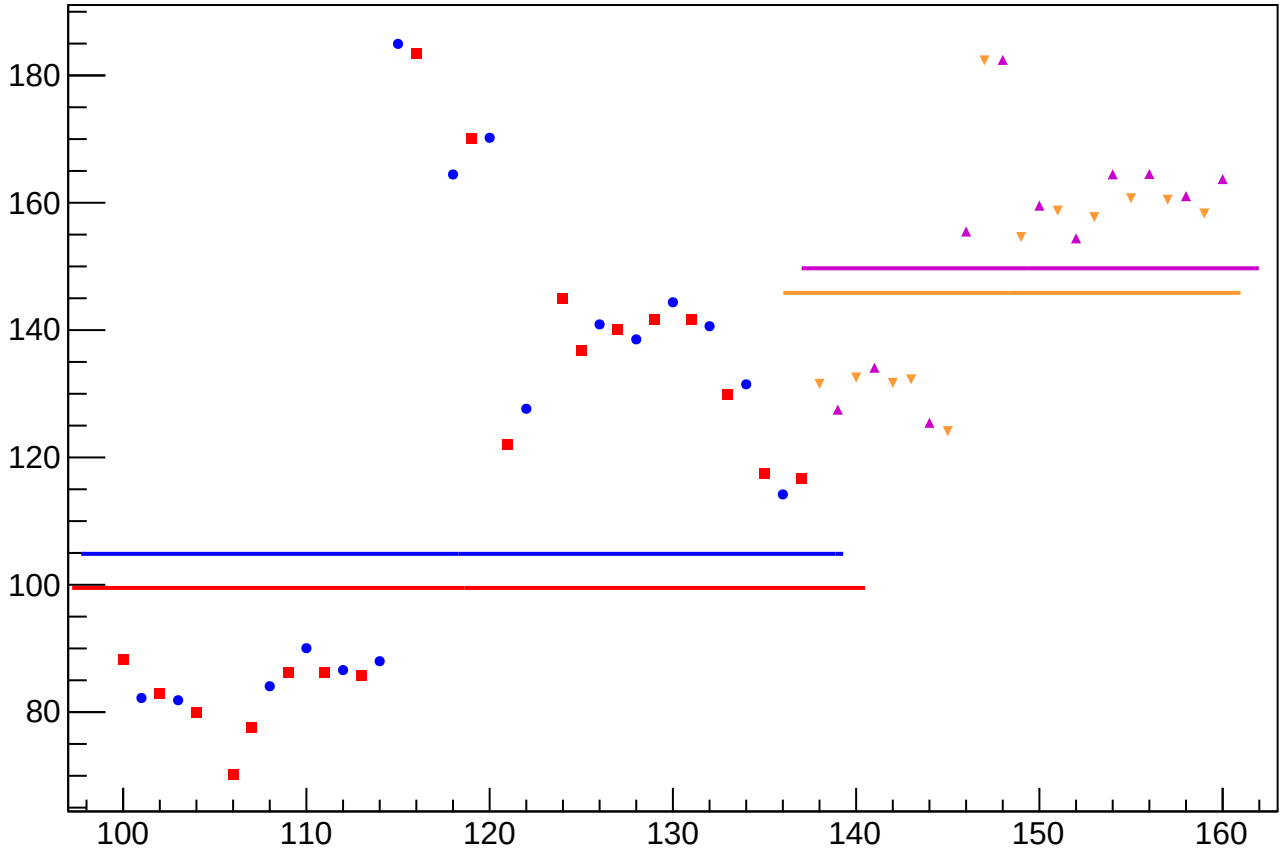
Left In: -165.282+/-48.796 χ^2/NDF:9.4/10

+ sign 73.106+/-30.765 χ^2/NDF: 39.8/27

All: -21.670+/-21.455 χ^2/NDF: 86.3/57

- 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: 145.851+/-0.034 χ^2/NDF:242889.5/11

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

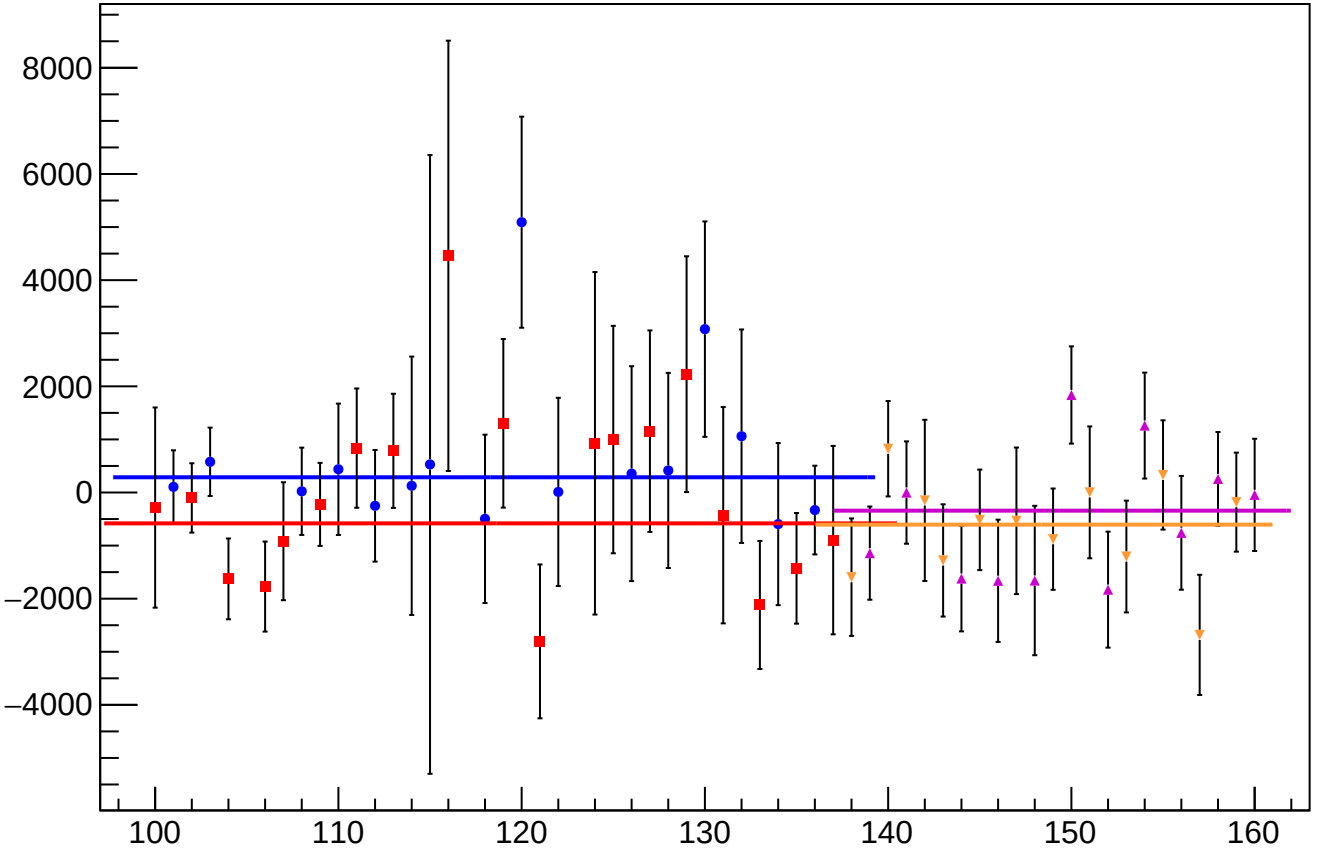
Left In: 149.709+/-0.035 χ^2/NDF:255834.4/10

+ sign 122.024+/-0.022 χ^2/NDF: 2038287.8/27

All: 120.163+/-0.015 χ^2/NDF: 4667599.2/57

- 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: -605.293+/-307.894 χ^2/NDF:8.9/11

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

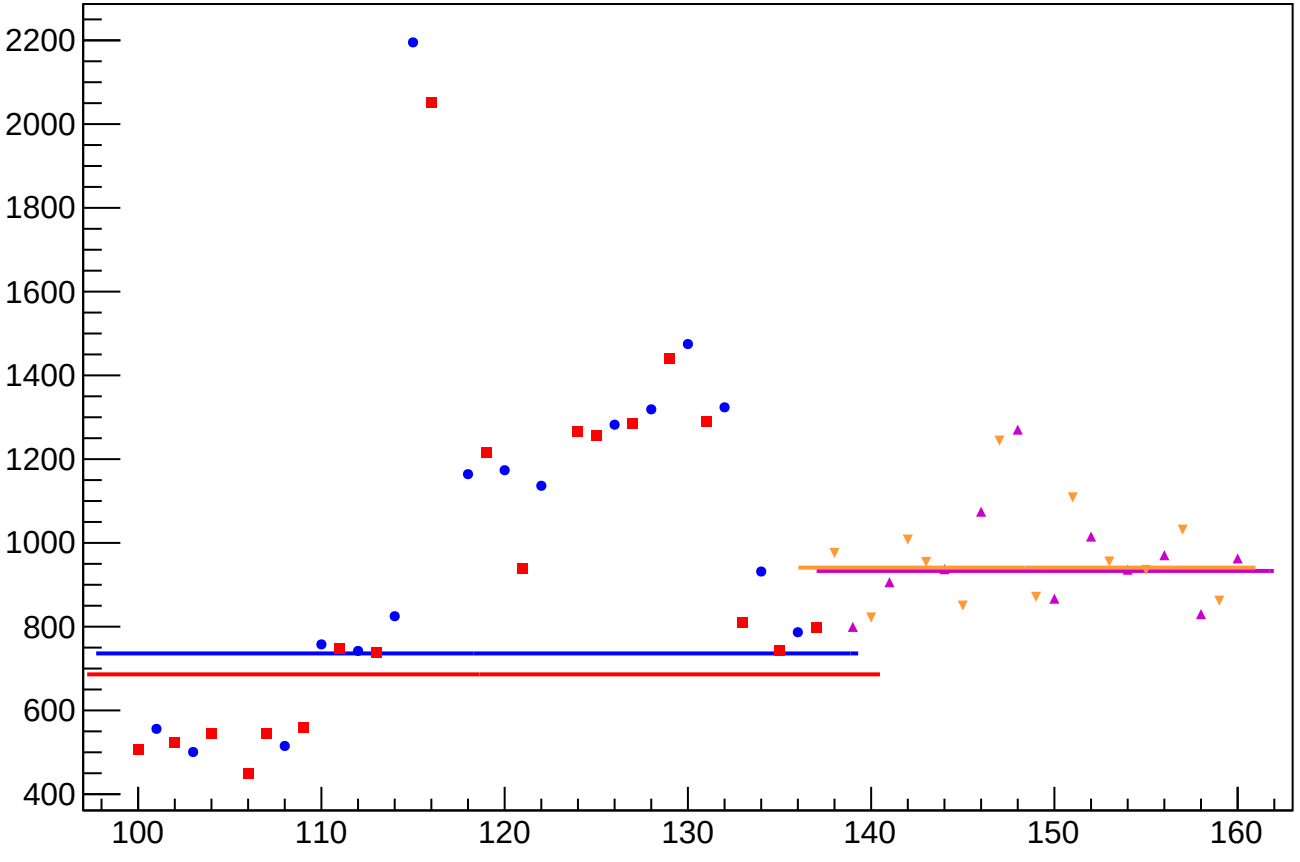
Left In: -341.912+/-305.393 χ^2/NDF:15.6/10

+ sign -137.806+/-212.432 χ^2/NDF: 23.0/27

All: -315.428+/-146.455 χ^2/NDF: 59.0/57

- 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: 940.986+/-0.218 χ^2/NDF:230935.2/11

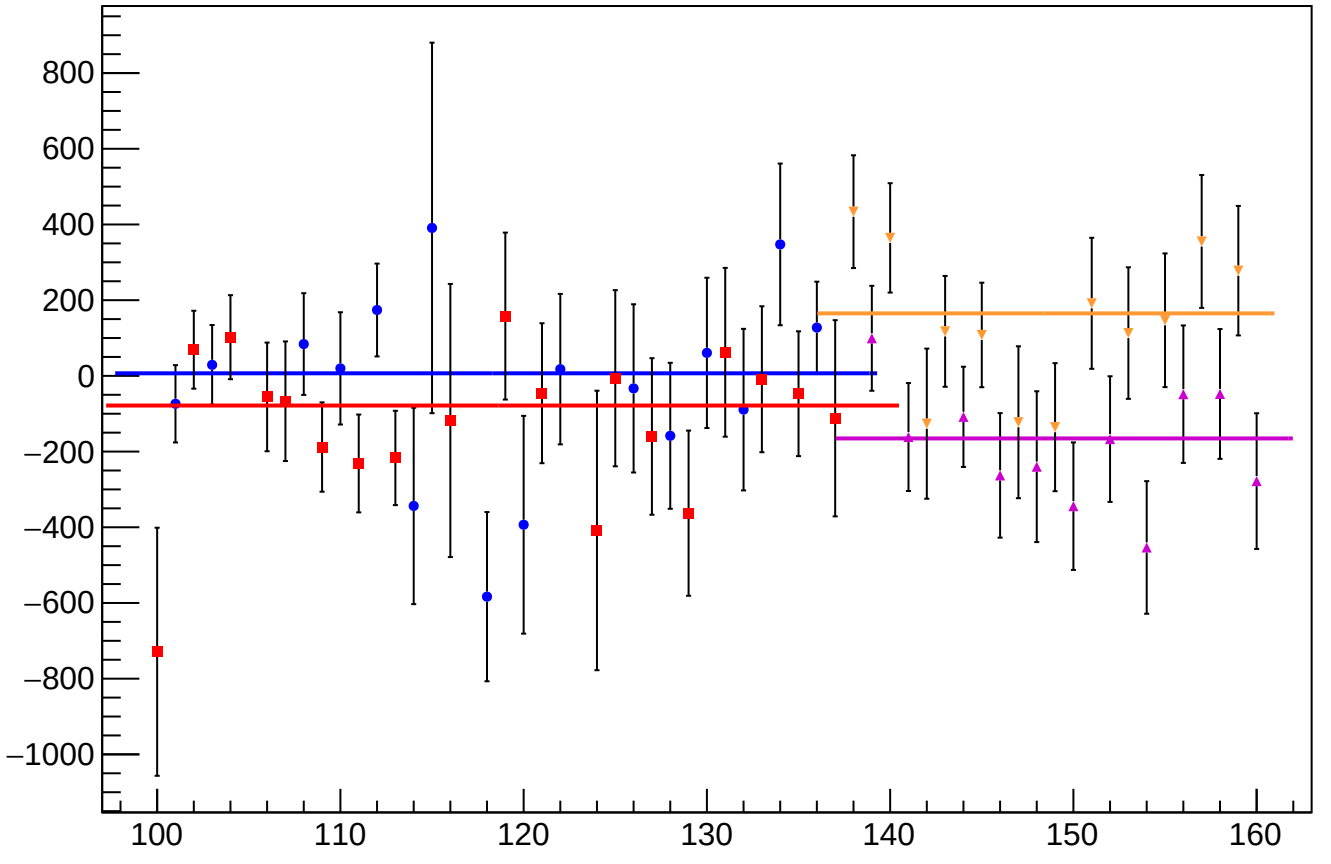
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 933.057+/-0.216 χ^2/NDF:246053.2/10

+ sign 833.624+/-0.150 χ^2/NDF: 2539542.8/27

All: 813.016+/-0.104 χ^2/NDF: 5375193.9/57

- sign 794.348+/-0.143 χ^2/NDF: 2799779.4/29



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 165.124+/-47.543 χ^2/NDF:14.5/11

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

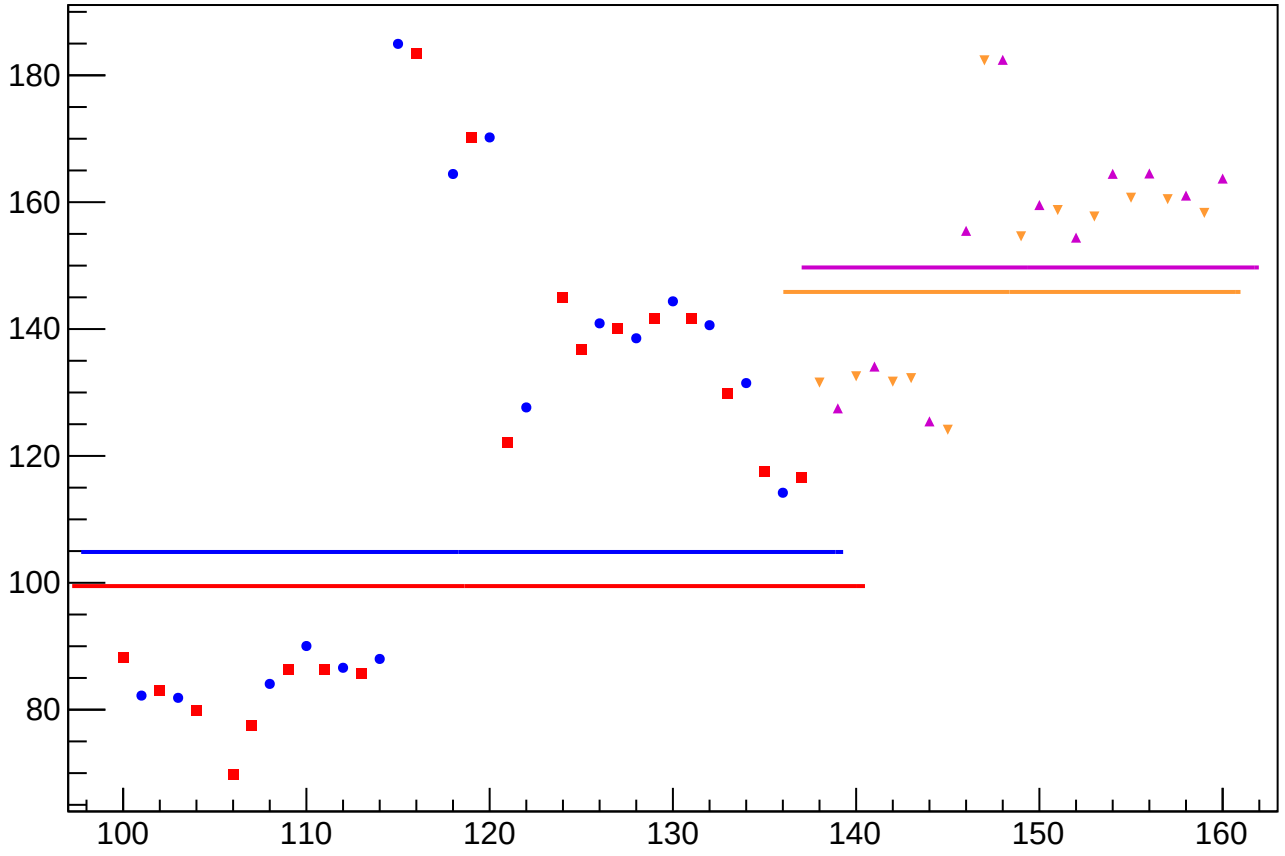
Left In: -165.286+/-48.796 χ^2/NDF:9.4/10

+ sign 73.096+/-30.765 χ^2/NDF: 39.8/27

All: -21.501+/-21.455 χ^2/NDF: 86.3/57

- 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: 145.851+/-0.034 χ^2/NDF:242889.5/11

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

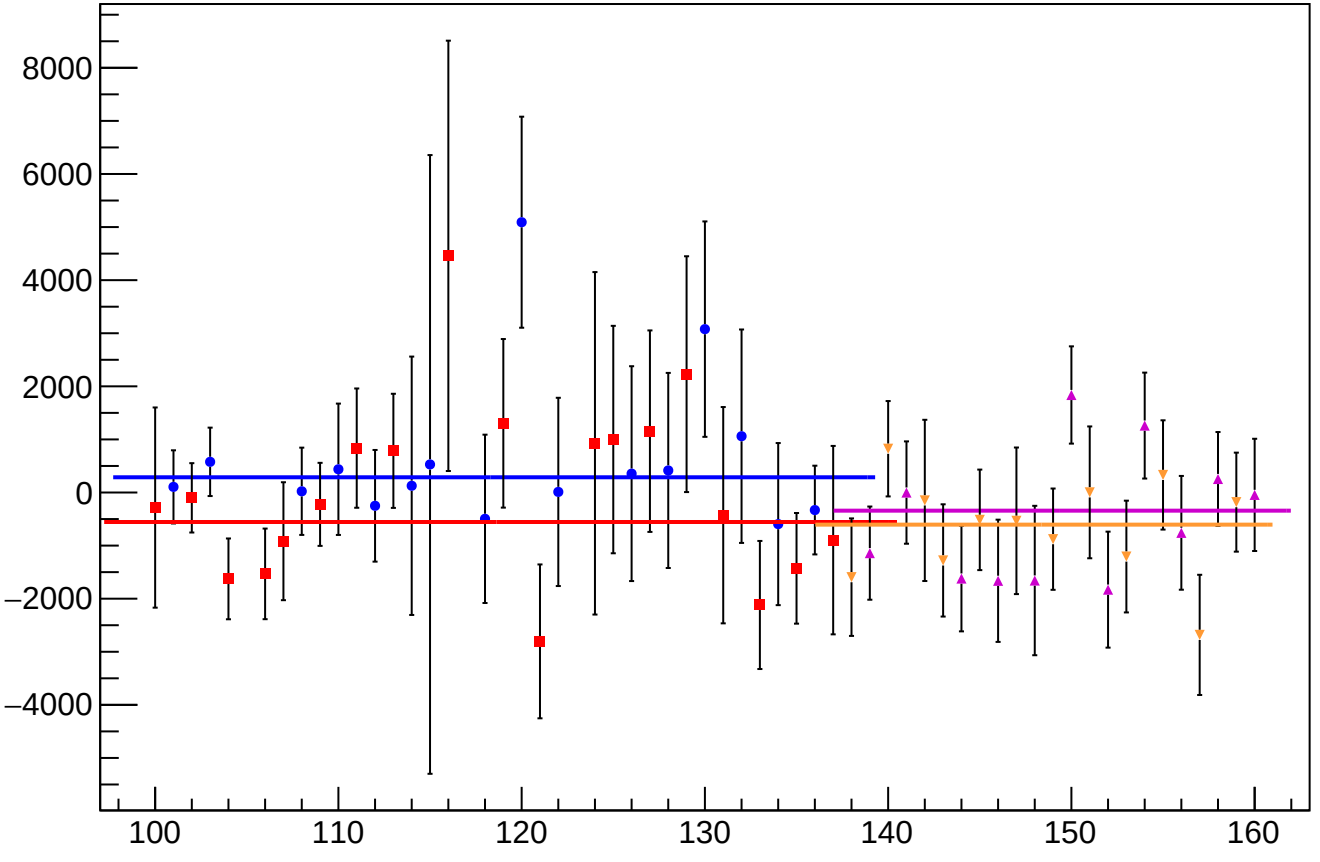
Left In: 149.709+/-0.035 χ^2/NDF:255834.4/10

+ sign 122.024+/-0.022 χ^2/NDF: 2038286.4/27

All: 120.156+/-0.015 χ^2/NDF: 4671074.6/57

- 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: -605.295+/-307.895 χ^2/NDF:8.9/11

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

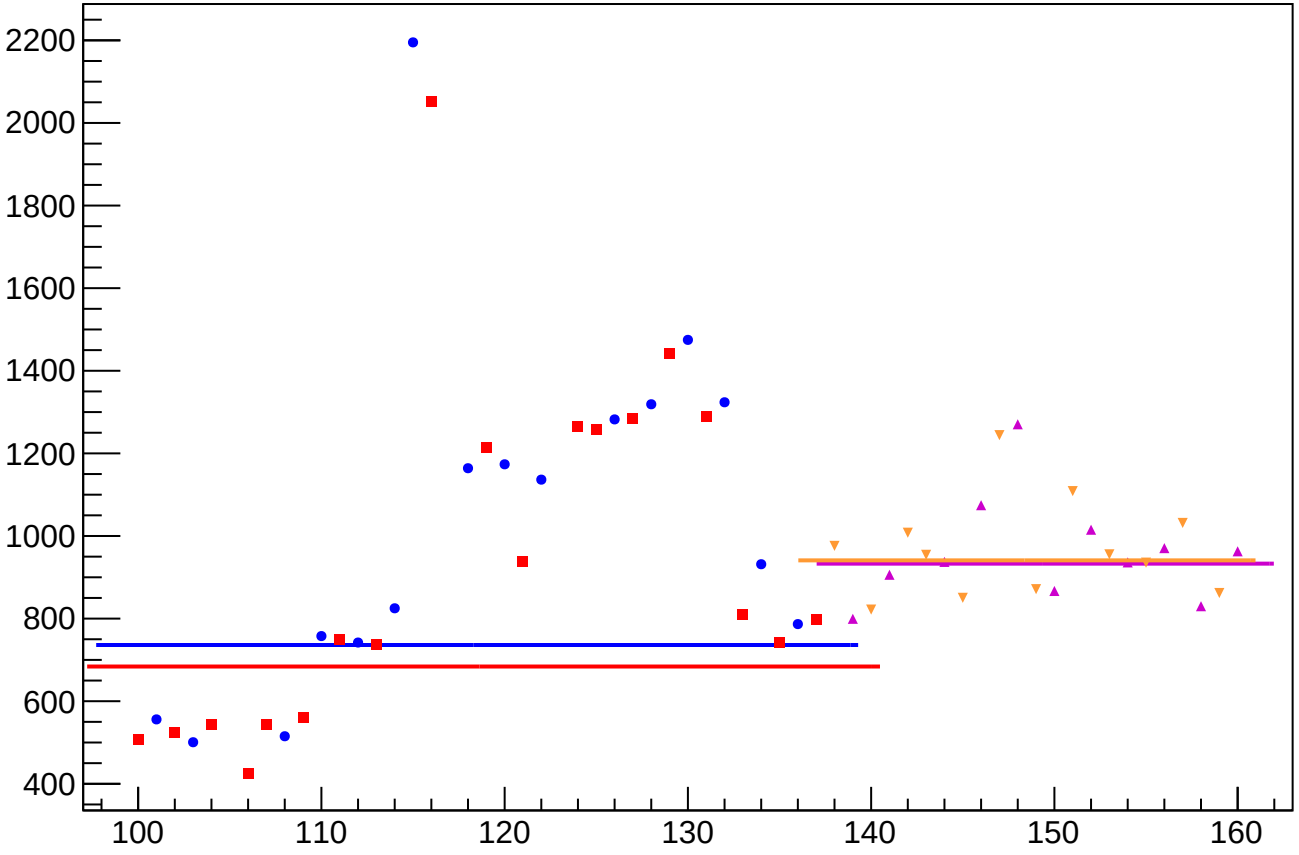
Left In: -341.912+/-305.393 χ^2/NDF:15.6/10

+ sign -137.805+/-212.432 χ^2/NDF: 23.0/27

All: -307.733+/-146.484 χ^2/NDF: 58.1/57

- 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: 940.986+/-0.218 χ^2/NDF:230935.1/11

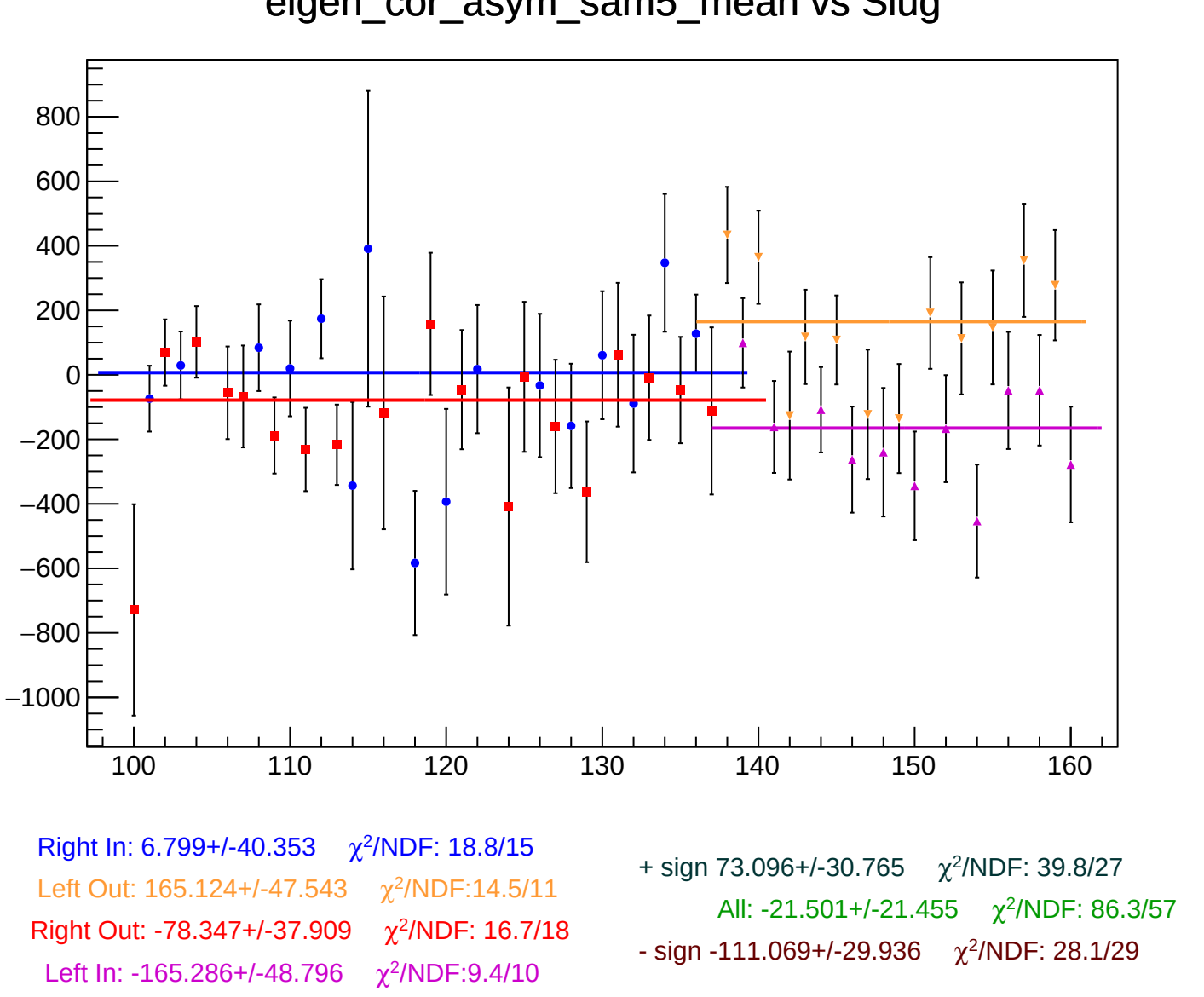
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 933.057+/-0.216 χ^2/NDF:246052.6/10

+ sign 833.624+/-0.150 χ^2/NDF: 2539549.1/27

All: 812.439+/-0.104 χ^2/NDF: 5420754.5/57

- sign 793.234+/-0.143 χ^2/NDF: 2843283.9/29


eigen_cor_asym_sam5_mean vs Slug
800
600
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0
−200
−400
−600
−800
−1000
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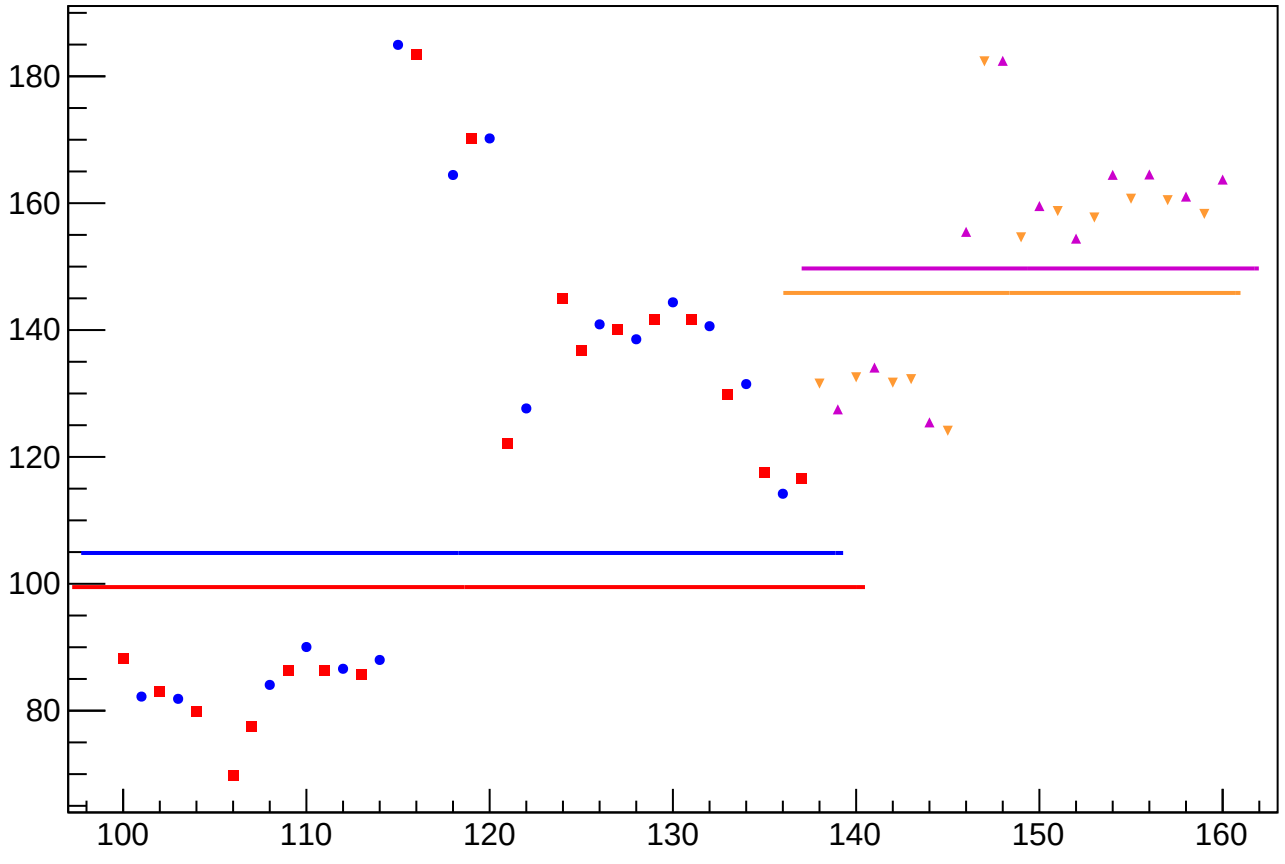
130
140
150
160
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 165.124+/-47.543 χ²/NDF:14.5/11
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -165.286+/-48.796 χ²/NDF:9.4/10
+ sign 73.096+/-30.765 χ²/NDF: 39.8/27
All: -21.501+/-21.455 χ²/NDF: 86.3/57
- sign -111.069+/-29.936 χ²/NDF: 28.1/29



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 145.851+/-0.034 χ^2/NDF:242889.5/11

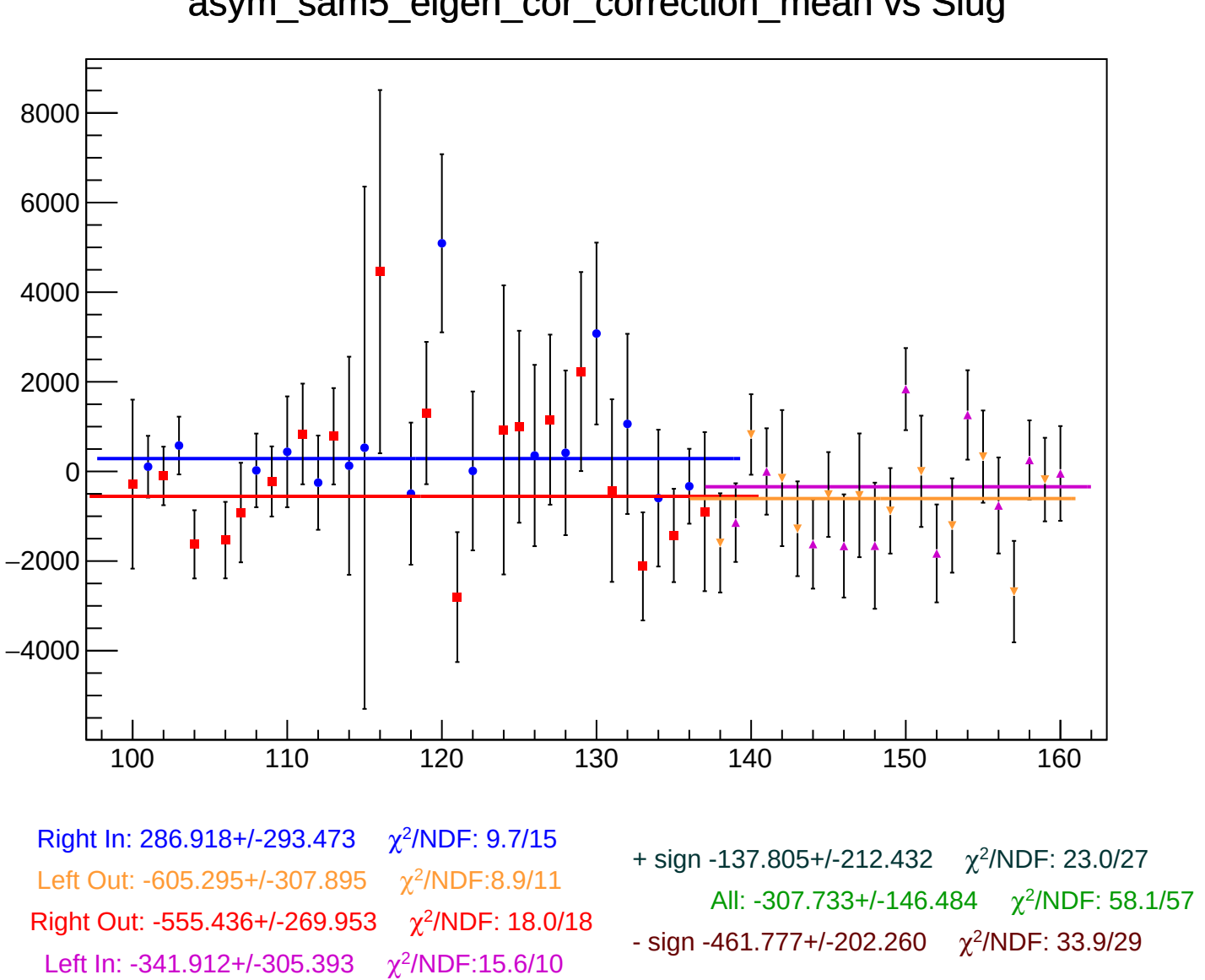
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 149.709+/-0.035 χ^2/NDF:255834.4/10

+ sign 122.024+/-0.022 χ^2/NDF: 2038286.4/27

All: 120.156+/-0.015 χ^2/NDF: 4671074.6/57

- sign 118.388+/-0.021 χ^2/NDF: 2618433.0/29


asym_sam5_eigen_cor_correction_mean vs Slug
8000
6000
4000
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−2000
−4000
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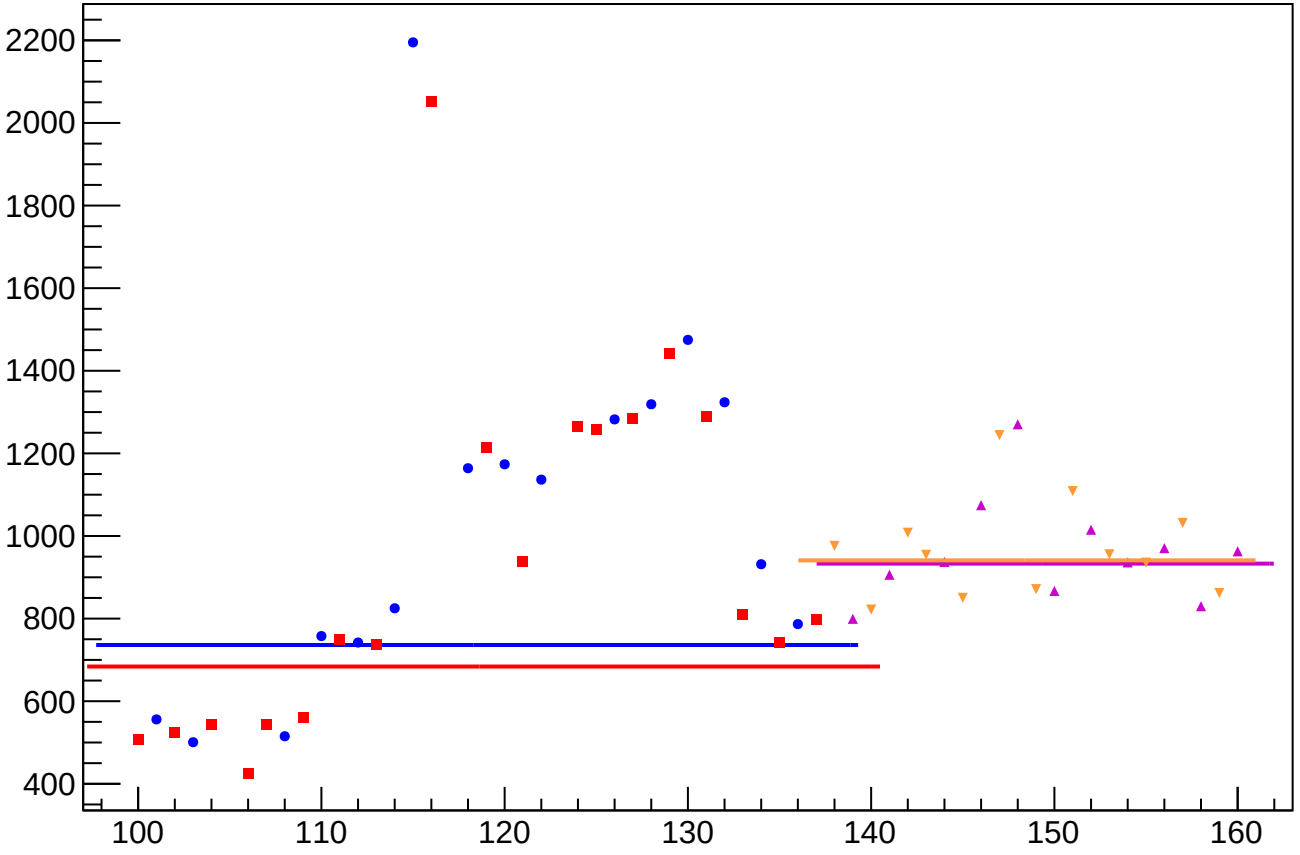
110
120
130
140
150
160
Right In: 286.918+/-293.473 χ²/NDF: 9.7/15
Left Out: -605.295+/-307.895 χ²/NDF:8.9/11
Right Out: -555.436+/-269.953 χ²/NDF: 18.0/18
Left In: -341.912+/-305.393 χ²/NDF:15.6/10
+ sign -137.805+/-212.432 χ²/NDF: 23.0/27
All: -307.733+/-146.484 χ²/NDF: 58.1/57
- sign -461.777+/-202.260 χ²/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: 940.986+/-0.218 χ^2/NDF:230935.1/11

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

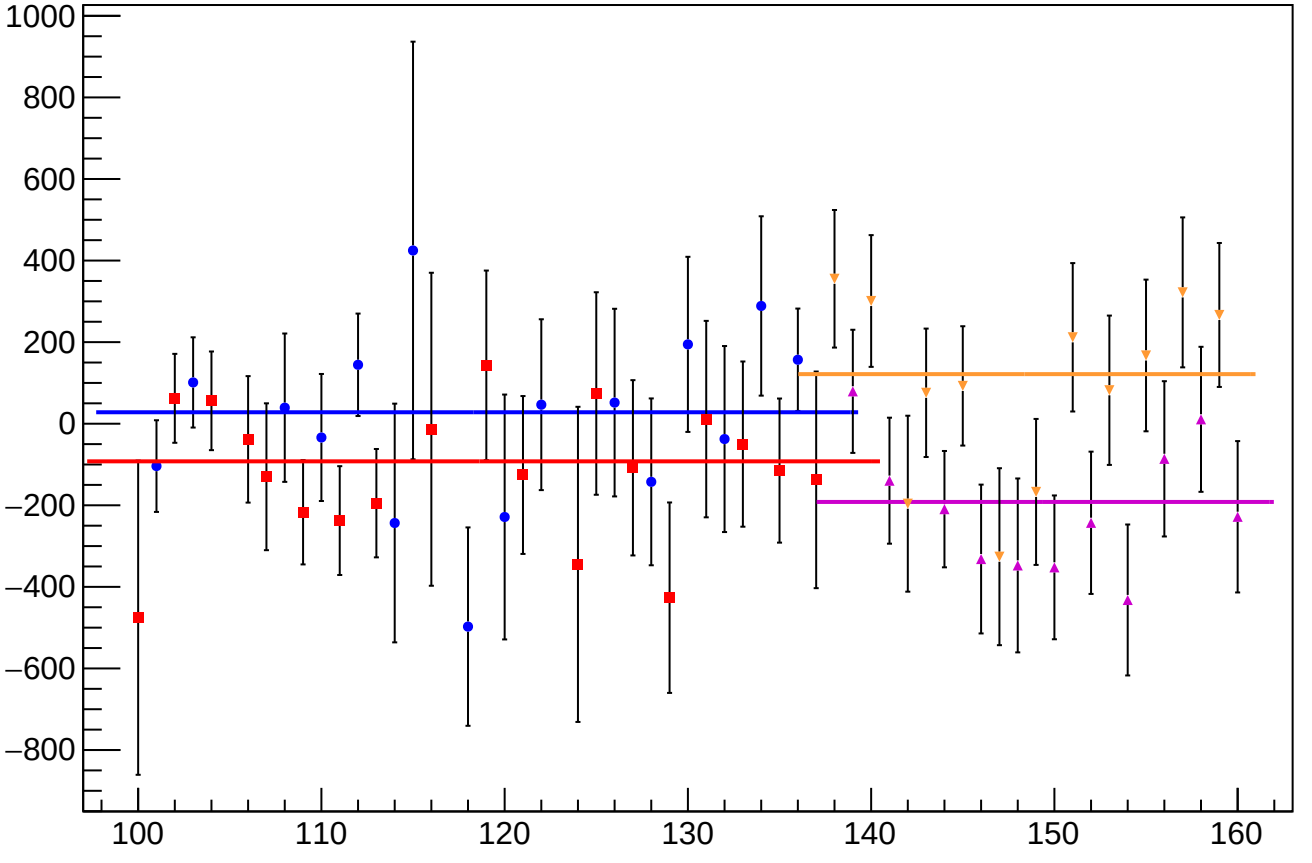
Left In: 933.057+/-0.216 χ^2/NDF:246052.6/10

+ sign 833.624+/-0.150 χ^2/NDF: 2539549.1/27

All: 812.439+/-0.104 χ^2/NDF: 5420754.5/57

- 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: 121.572+/-50.950 χ^2/NDF:14.5/11

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

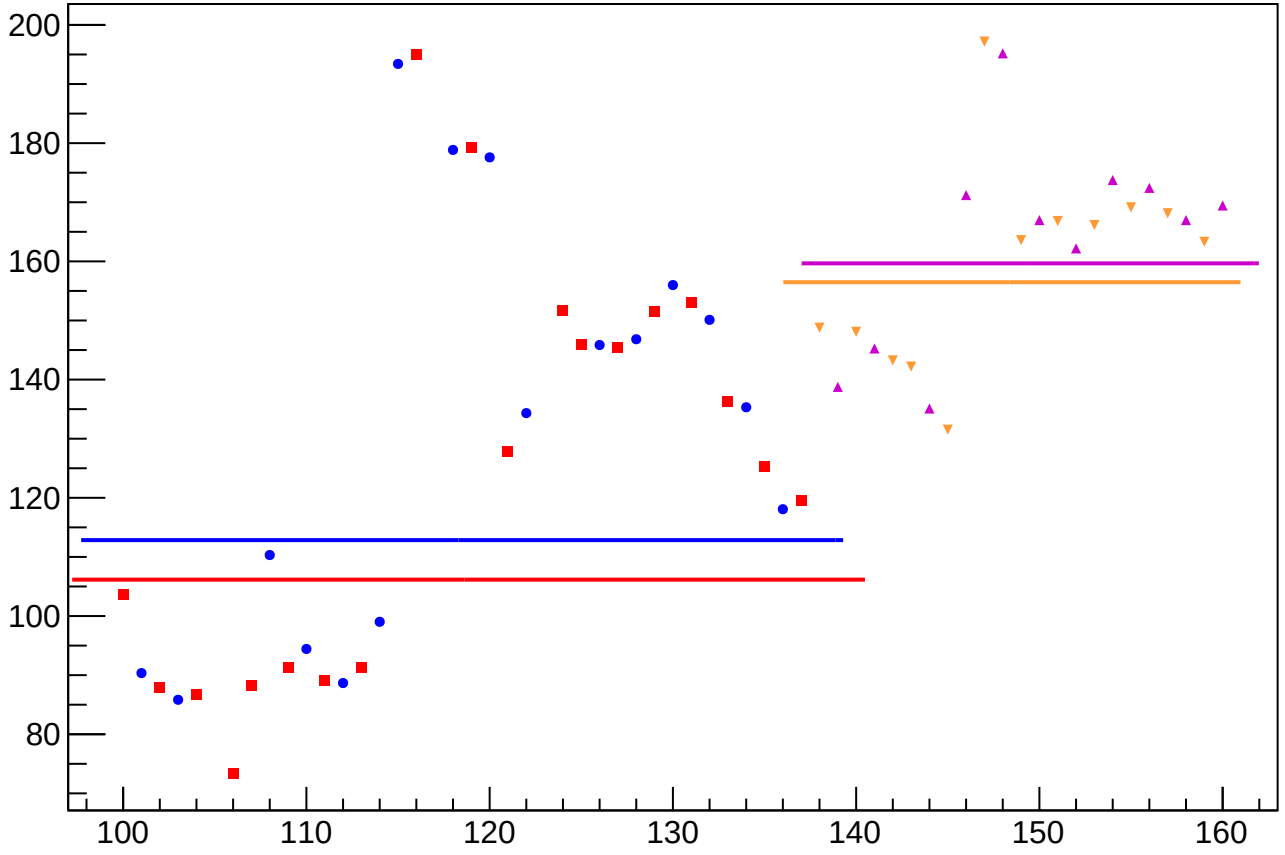
Left In: -191.787+/-52.020 χ^2/NDF:8.7/10

+ sign 67.441+/-33.056 χ^2/NDF: 30.0/27

All: -34.483+/-22.983 χ^2/NDF: 71.1/57

- 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: 156.479+/-0.036 χ^2/NDF:197651.0/11

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

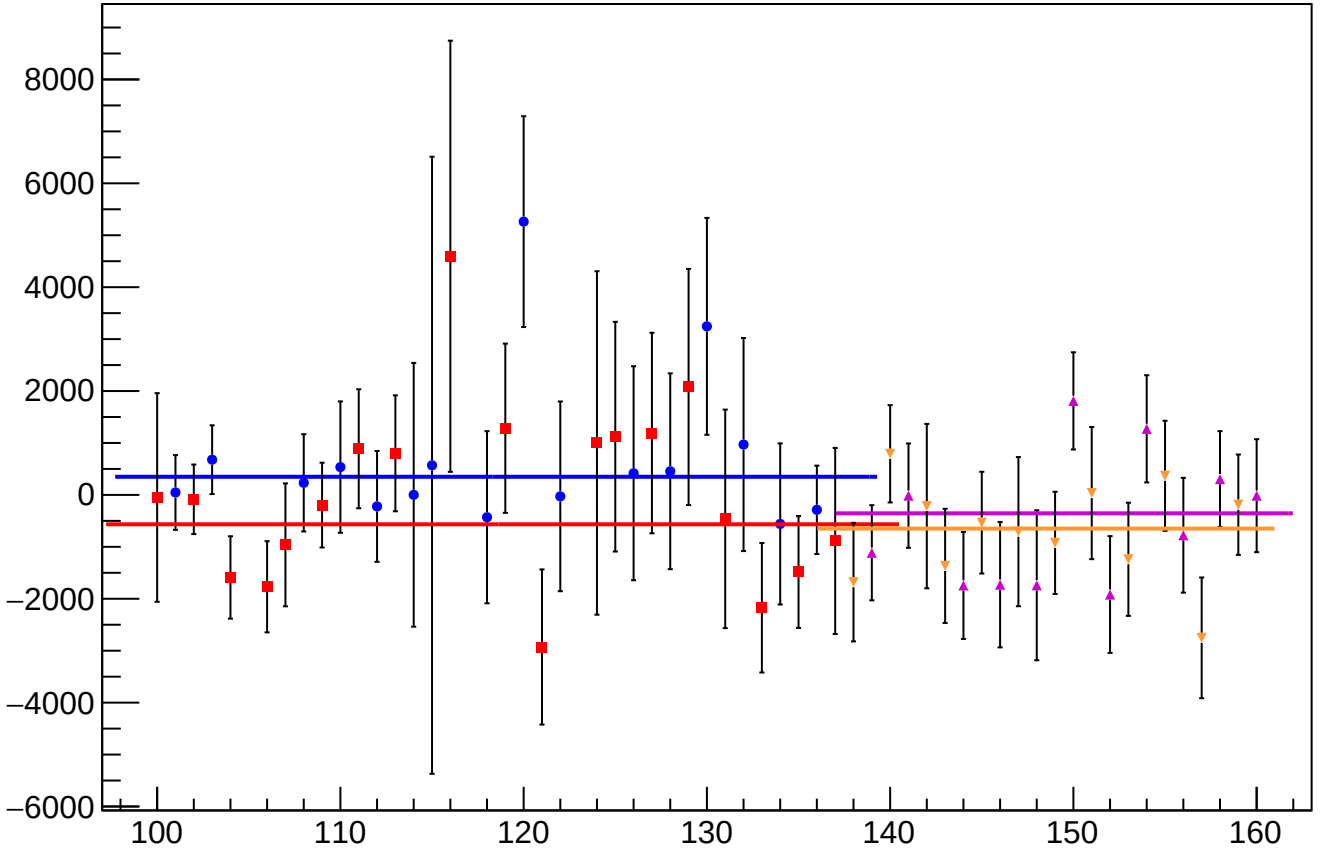
Left In: 159.665+/-0.037 χ^2/NDF:211971.7/10

+ sign 131.210+/-0.023 χ^2/NDF: 1919407.6/27

All: 128.713+/-0.016 χ^2/NDF: 4472088.4/57

- 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: -648.513+/-318.542 χ^2/NDF:8.8/11

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

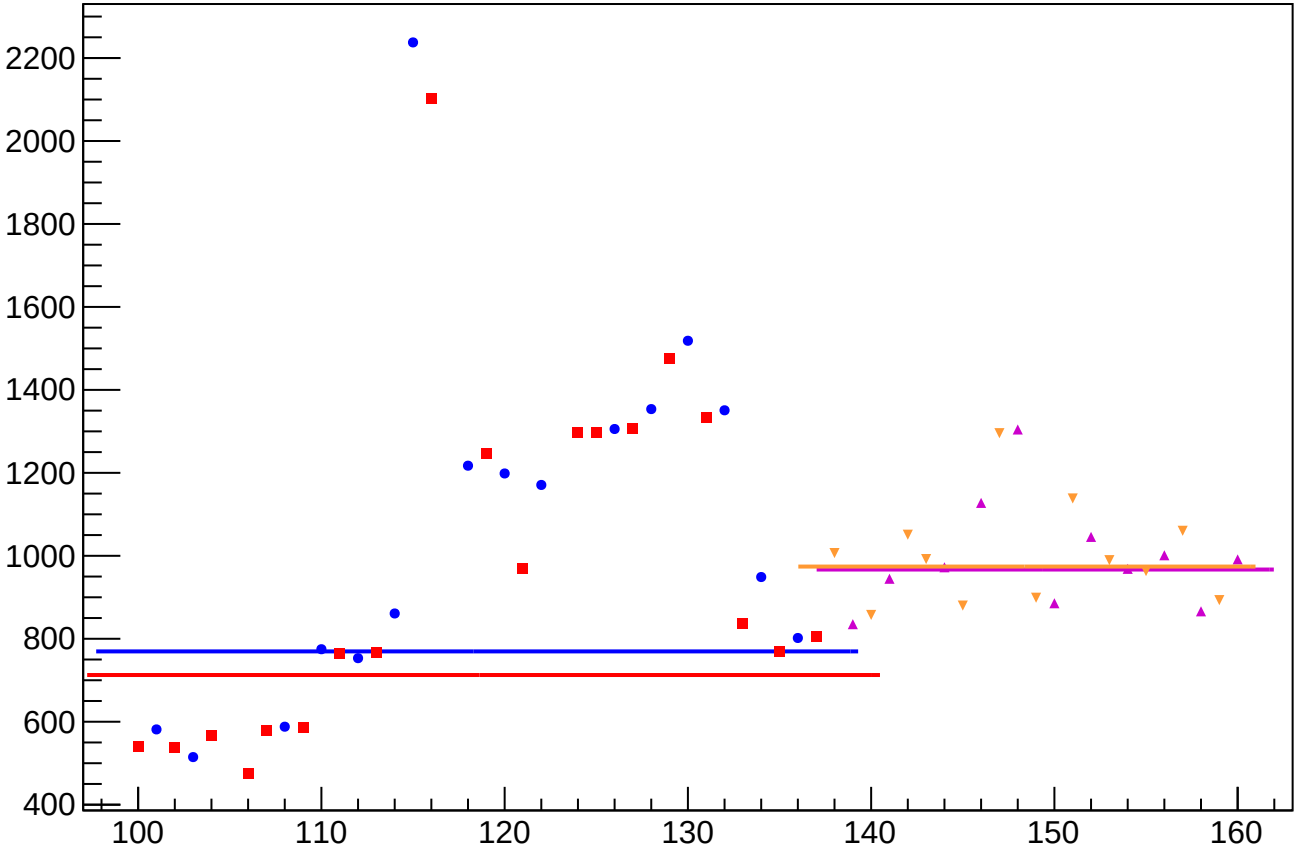
Left In: -354.809+/-316.295 χ^2/NDF:15.4/10

\+ sign -128.580+/-220.423 χ^2/NDF: 23.7/27

All: -309.951+/-151.787 χ^2/NDF: 58.9/57

\- 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: 974.071+/-0.225 χ^2/NDF:227170.7/11

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

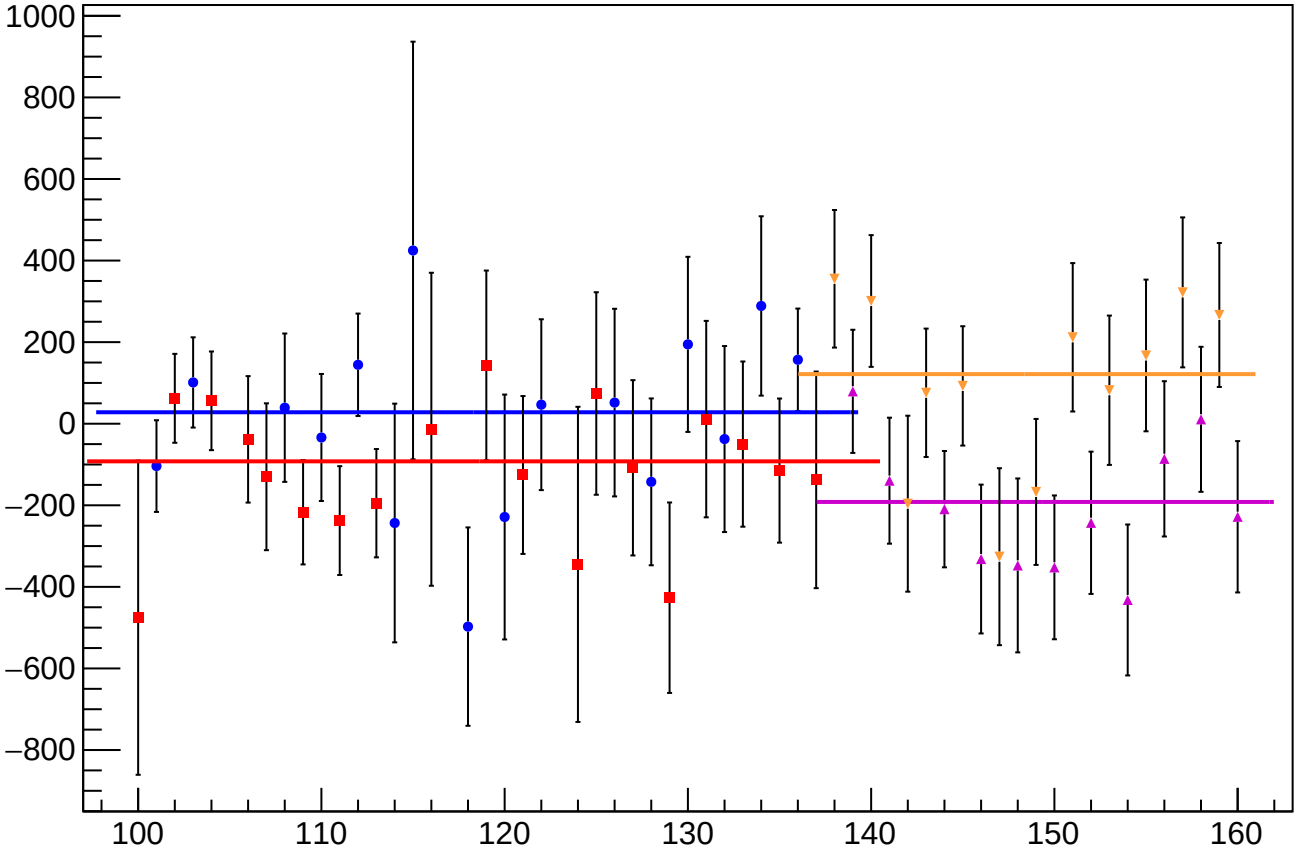
Left In: 966.917+/-0.224 χ^2/NDF:238764.6/10

+ sign 867.485+/-0.156 χ^2/NDF: 2396765.8/27

All: 844.621+/-0.107 χ^2/NDF: 5170204.0/57

- 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: 121.571+/-50.950 χ^2/NDF:14.5/11

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

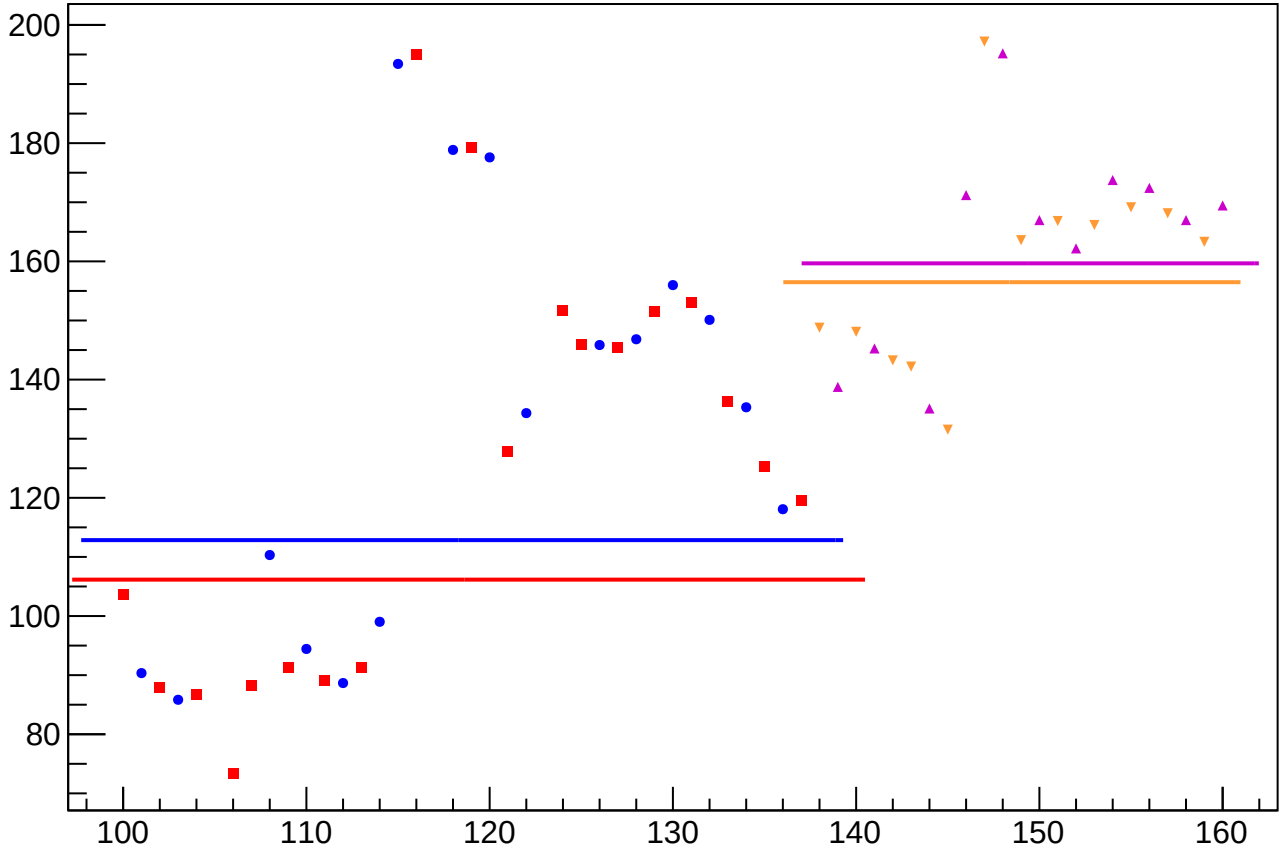
Left In: -191.788+/-52.020 χ^2/NDF:8.7/10

+ sign 67.440+/-33.056 χ^2/NDF: 30.0/27

All: -34.483+/-22.983 χ^2/NDF: 71.1/57

- 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: 156.479+/-0.036 χ^2/NDF:197652.9/11

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

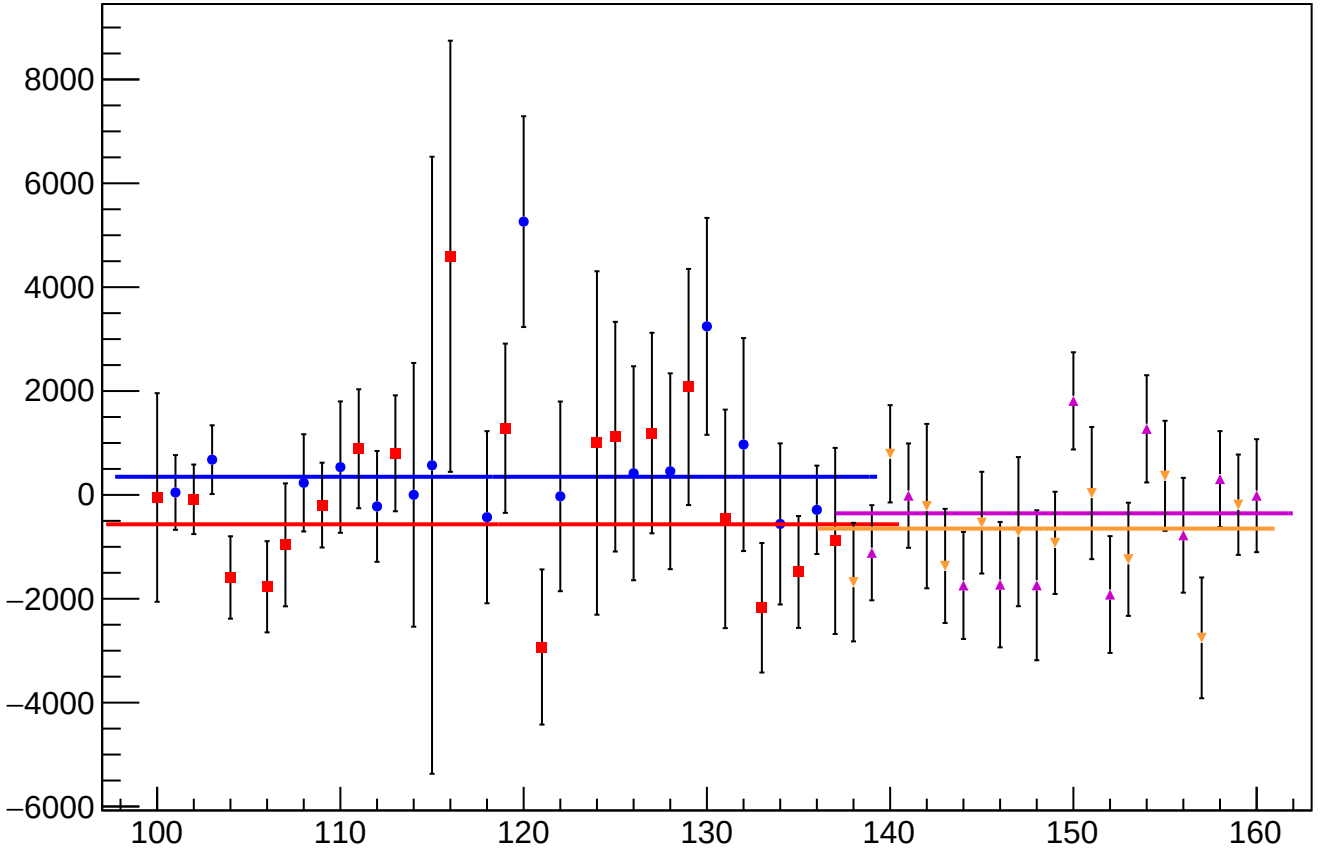
Left In: 159.666+/-0.037 χ^2/NDF:211969.2/10

+ sign 131.210+/-0.023 χ^2/NDF: 1919425.5/27

All: 128.712+/-0.016 χ^2/NDF: 4472118.8/57

- 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: -648.513+/-318.542 χ^2/NDF:8.8/11

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

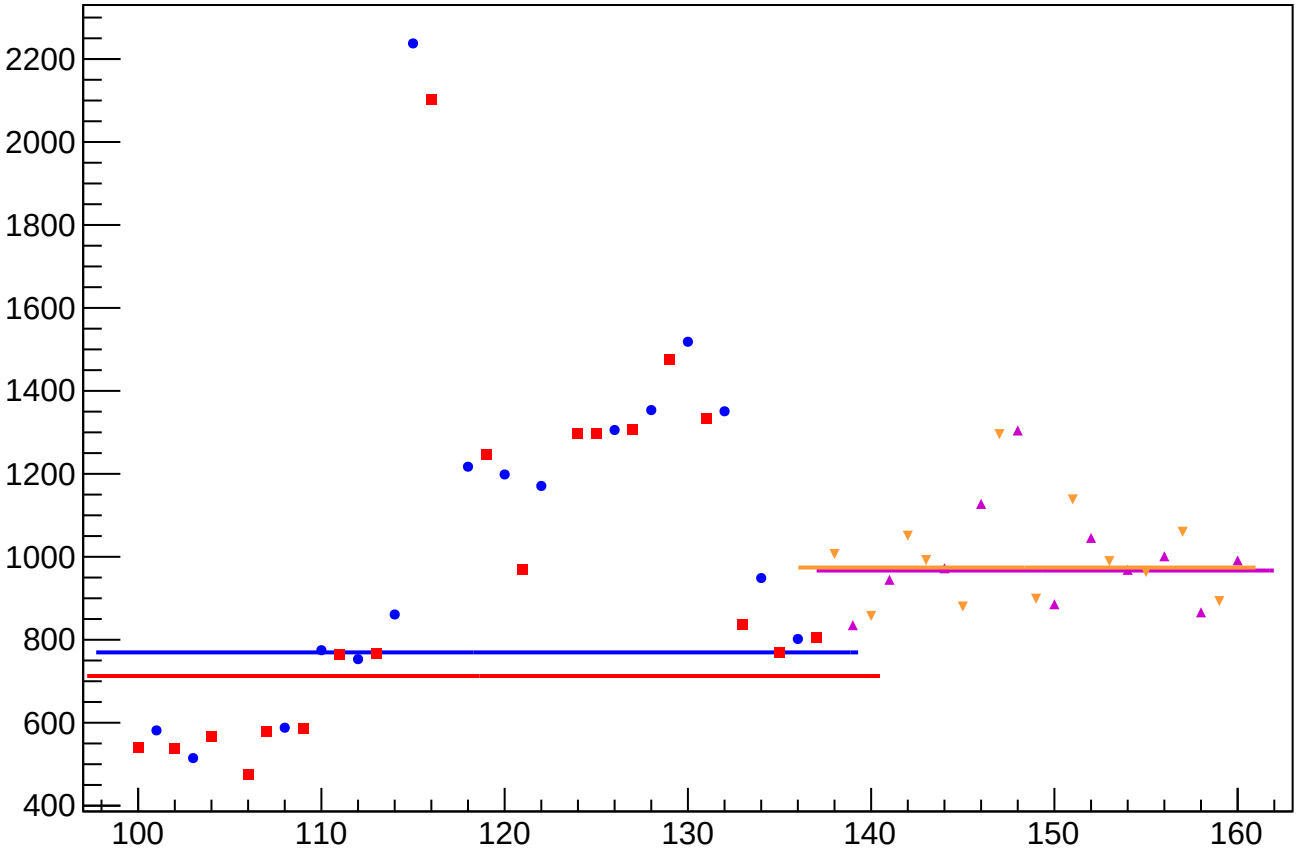
Left In: -354.810+/-316.295 χ^2/NDF:15.4/10

\+ sign -128.579+/-220.423 χ^2/NDF: 23.7/27

All: -309.951+/-151.787 χ^2/NDF: 58.9/57

\- 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: 974.073+/-0.225 χ^2/NDF:227171.9/11

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

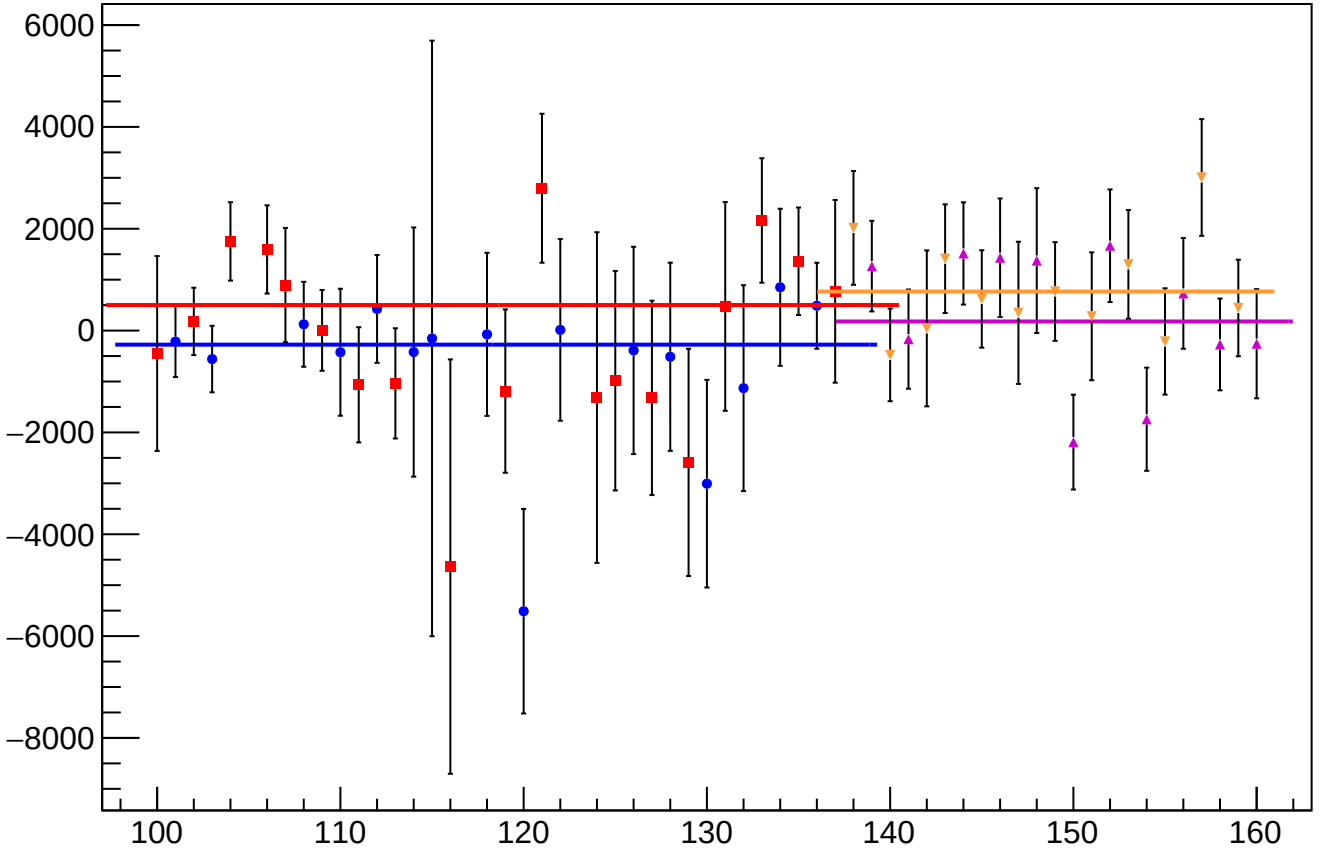
Left In: 966.918+/-0.224 χ^2/NDF:238765.8/10

+ sign 867.484+/-0.156 χ^2/NDF: 2396776.1/27

All: 844.621+/-0.107 χ^2/NDF: 5170224.5/57

- 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: 766.197+/-311.792 χ^2/NDF:9.0/11

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

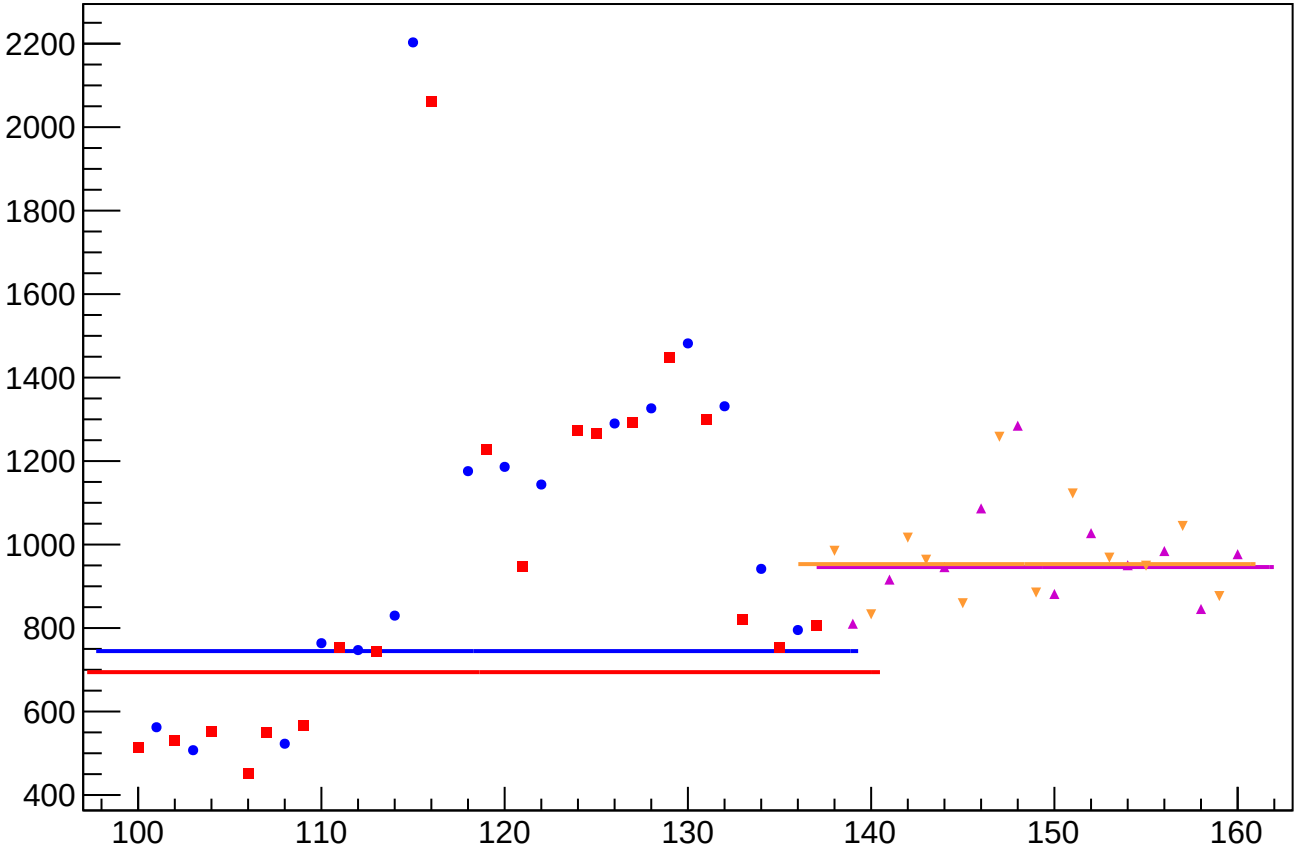
Left In: 179.001+/-309.567 χ^2/NDF:17.8/10

+ sign 219.176+/-214.939 χ^2/NDF: 26.0/27

All: 293.368+/-148.251 χ^2/NDF: 65.1/57

- 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: 953.151+/-0.220 χ^2/NDF:227423.5/11

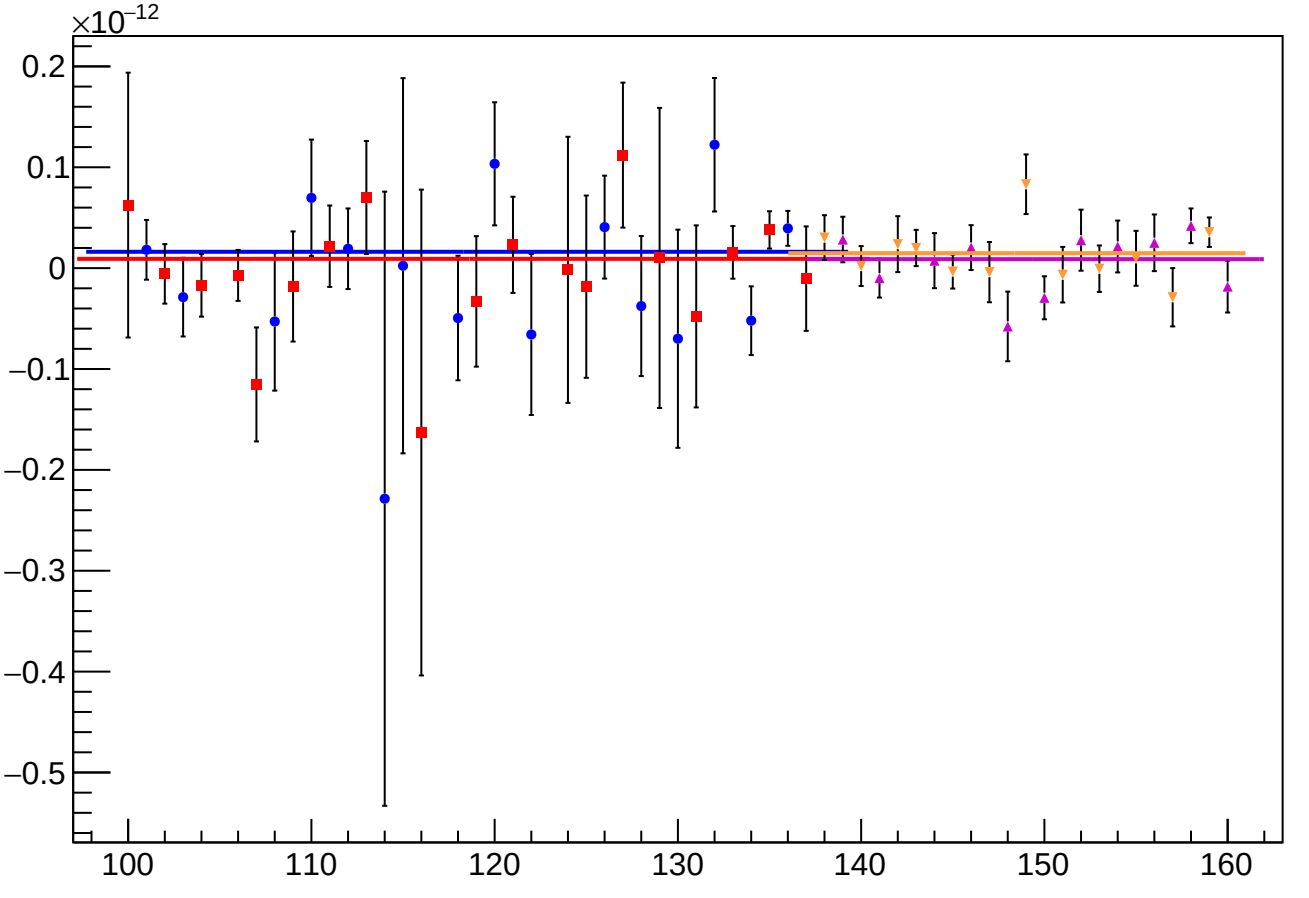
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 946.116+/-0.219 χ^2/NDF:240476.0/10

+ sign 843.805+/-0.152 χ^2/NDF: 2518720.4/27

All: 823.192+/-0.105 χ^2/NDF: 5342197.5/57

- 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:13.4/11

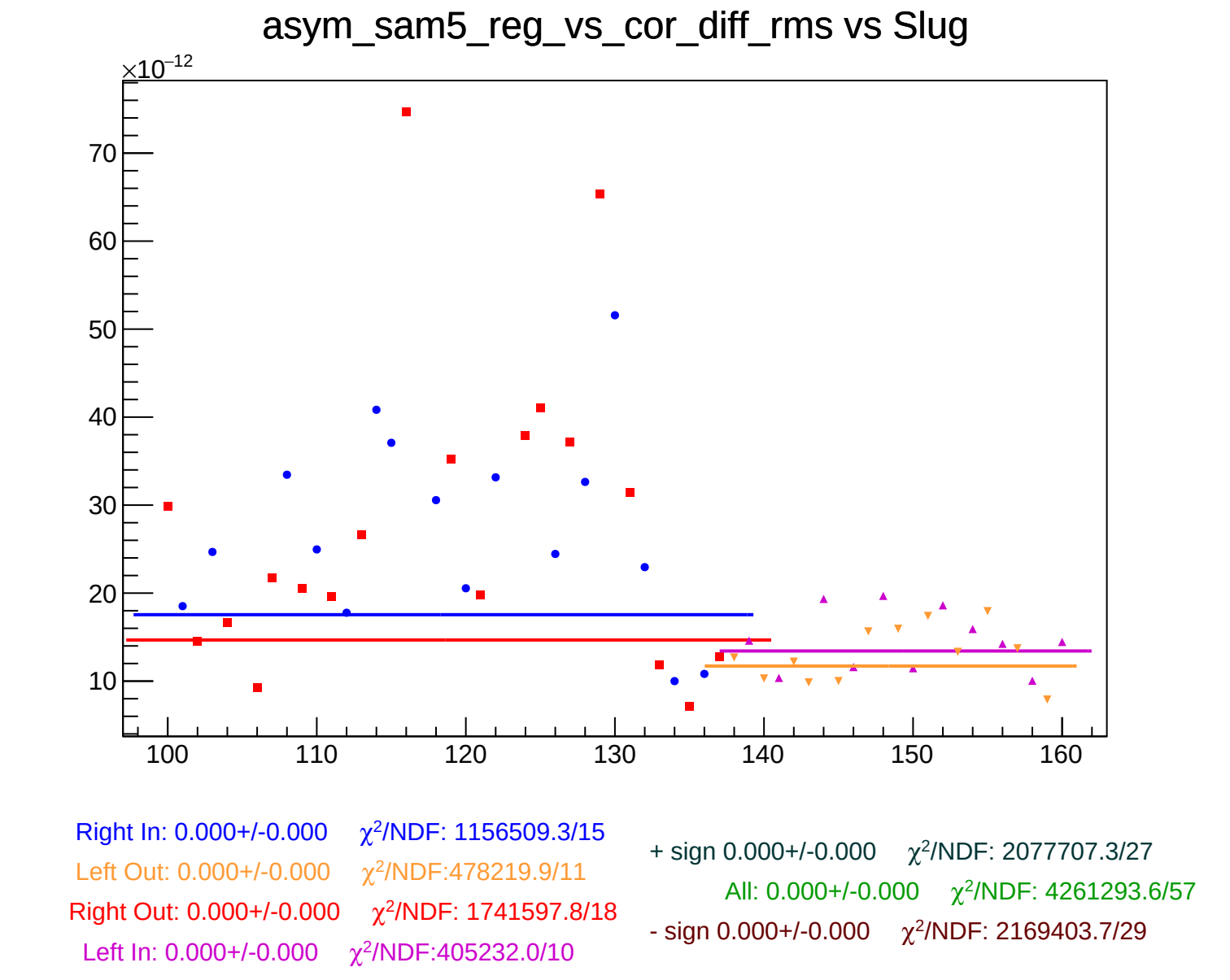
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:14.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 31.4/27

All: 0.000+/-0.000 χ^2/NDF: 60.8/57

- sign 0.000+/-0.000 χ^2/NDF: 28.8/29


asym_sam5_reg_vs_cor_diff_rms vs Slug
×10^−12
70
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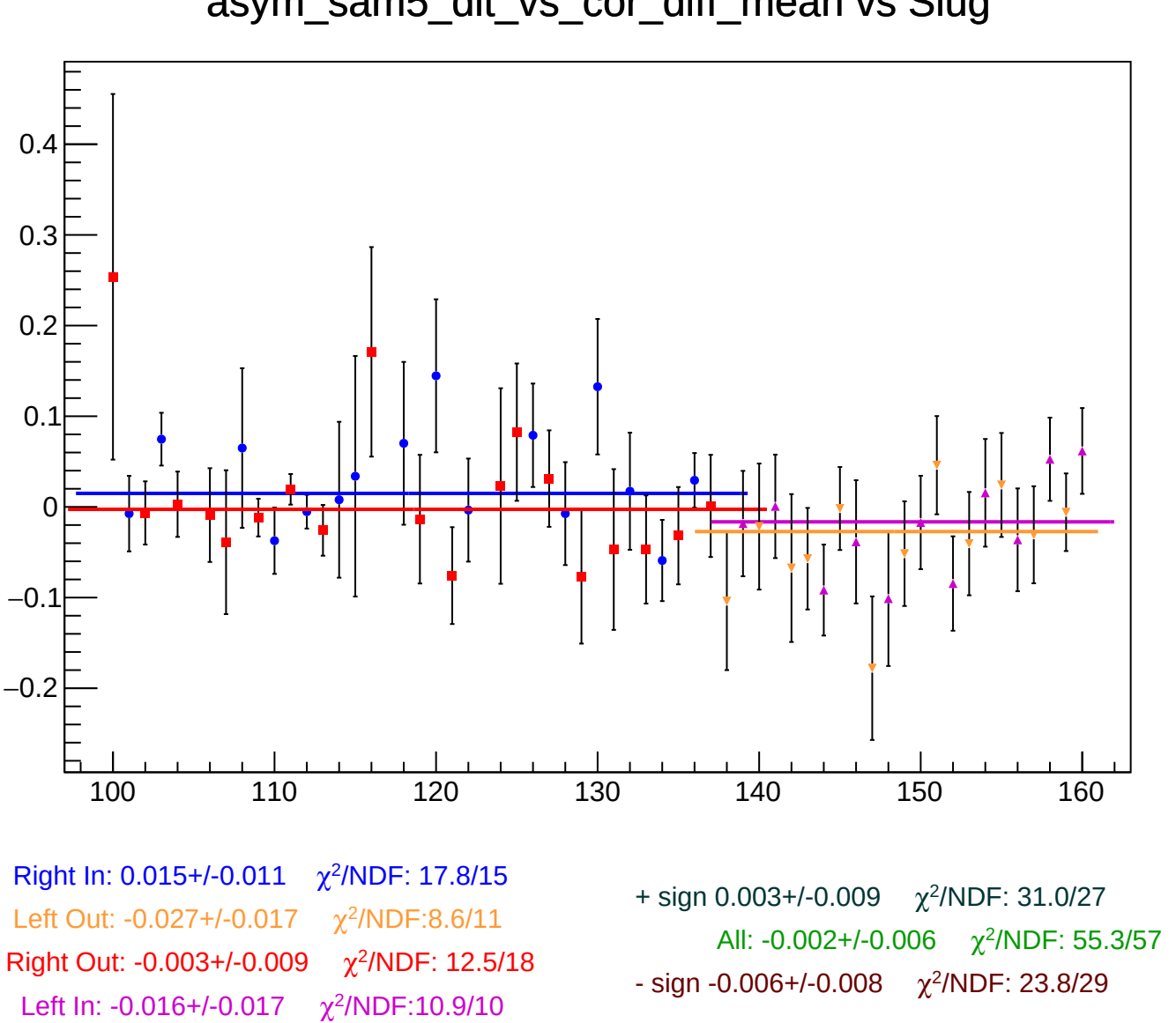
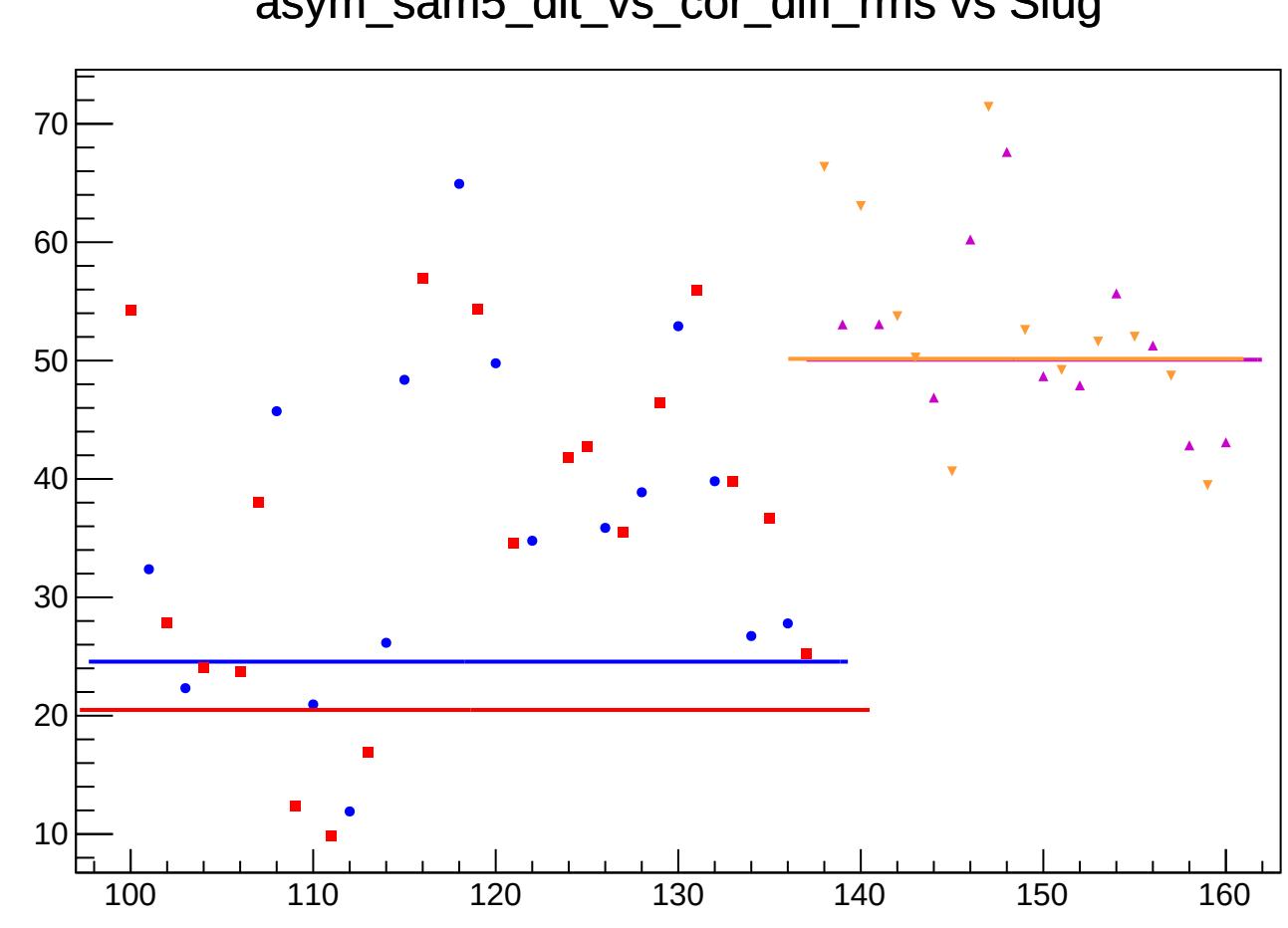
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:478219.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:405232.0/10
+ sign 0.000+/-0.000 χ²/NDF: 2077707.3/27
All: 0.000+/-0.000 χ²/NDF: 4261293.6/57
- sign 0.000+/-0.000 χ²/NDF: 2169403.7/29


asym_sam5_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: -0.027+/-0.017 χ²/NDF:8.6/11
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: 31.0/27
All: -0.002+/-0.006 χ²/NDF: 55.3/57
- sign -0.006+/-0.008 χ²/NDF: 23.8/29



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.148+/-0.012 χ^2/NDF:527724.7/11

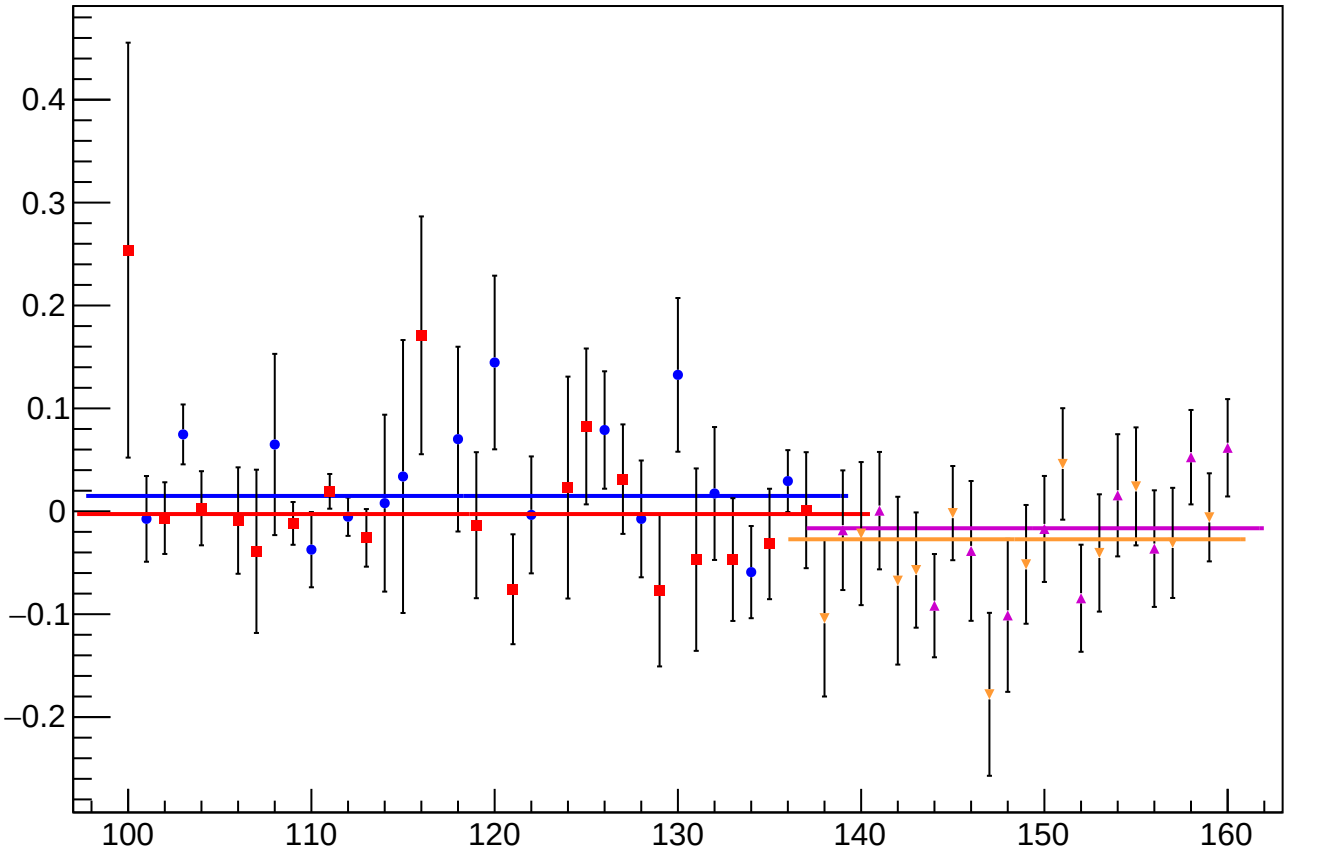
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.073+/-0.012 χ^2/NDF:292003.6/10

+ sign 31.969+/-0.006 χ^2/NDF: 6391468.6/27

All: 29.516+/-0.004 χ^2/NDF: 15427598.8/57

- 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: -0.027+/-0.017 χ^2/NDF:8.6/11

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

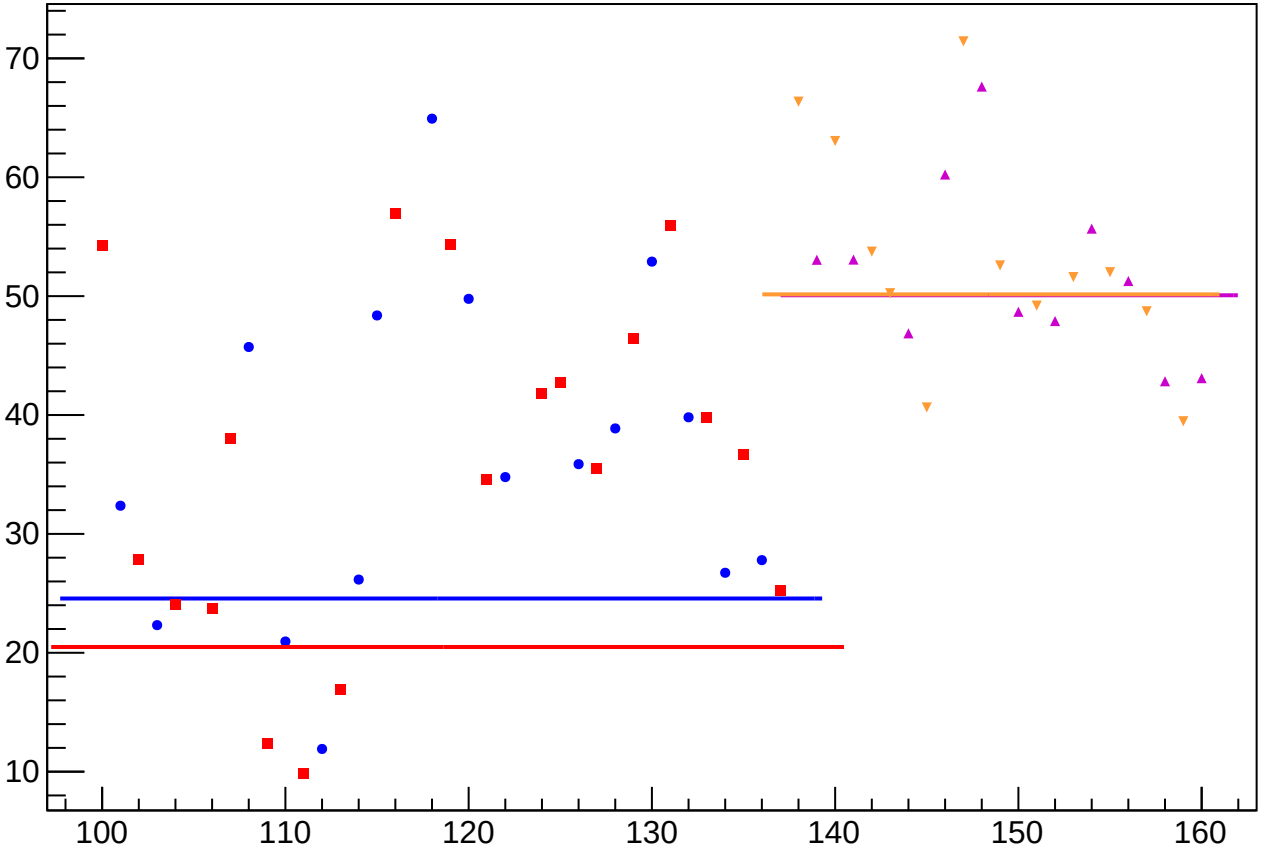
Left In: -0.016+/-0.017 χ^2/NDF:10.9/10

+ sign 0.003+/-0.009 χ^2/NDF: 31.0/27

All: -0.002+/-0.006 χ^2/NDF: 55.3/57

- 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: 50.148+/-0.012 χ^2/NDF:527724.7/11

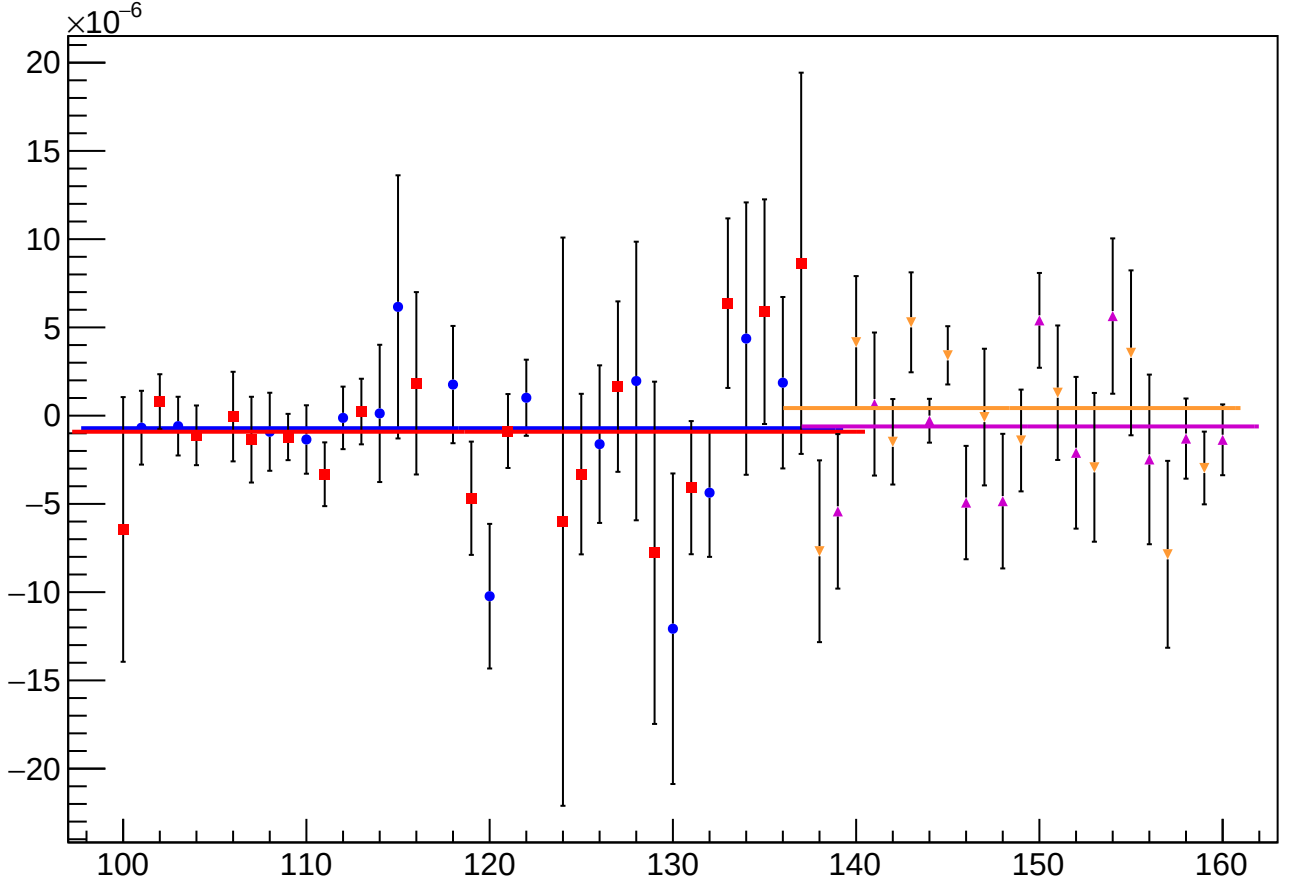
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.073+/-0.012 χ^2/NDF:292003.6/10

+ sign 31.969+/-0.006 χ^2/NDF: 6391468.6/27

All: 29.516+/-0.004 χ^2/NDF: 15427598.8/57

- 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:17.0/11

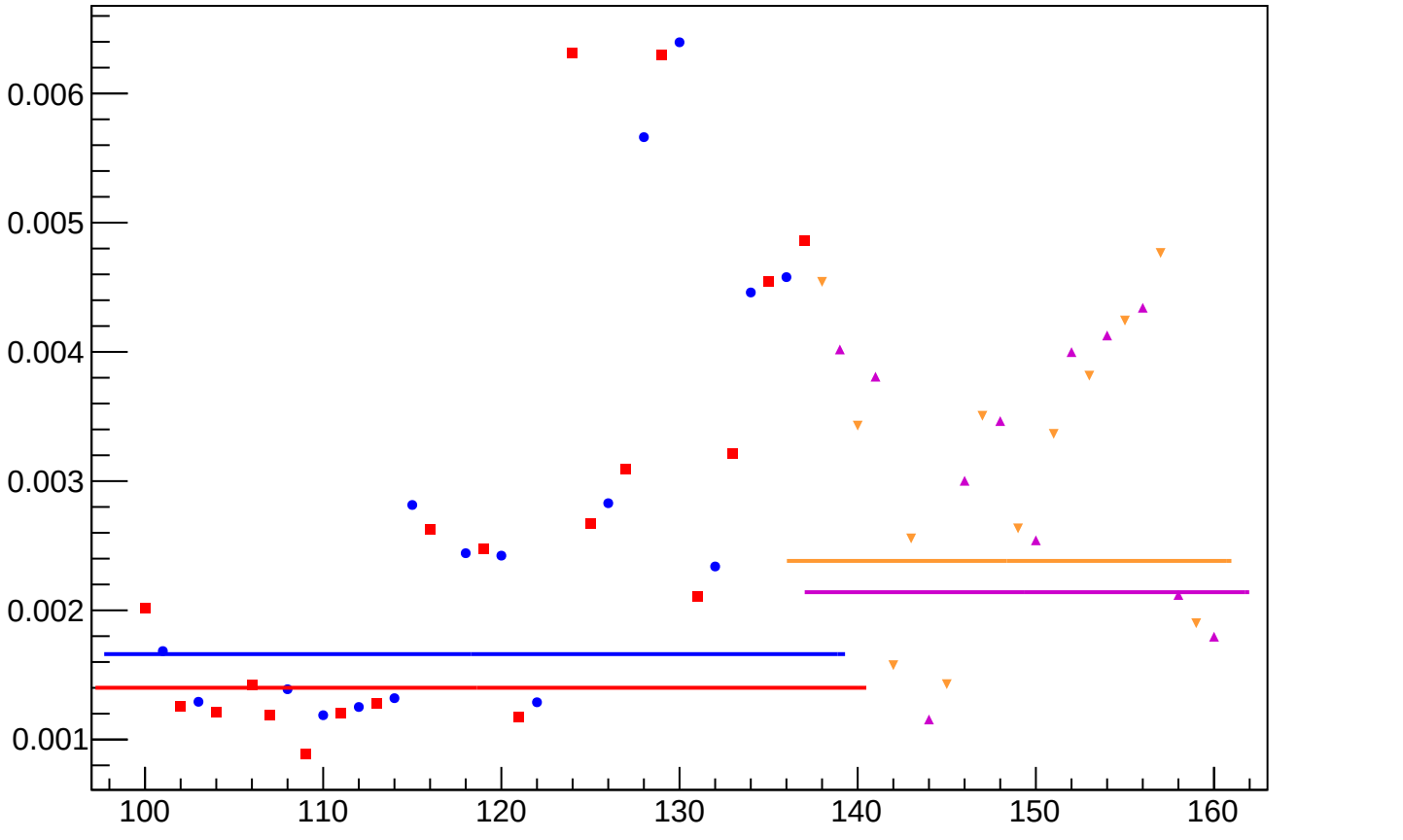
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 29.4/27

All: -0.000+/-0.000 χ^2/NDF: 53.9/57

- sign -0.000+/-0.000 χ^2/NDF: 23.9/29



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2785585.7/11

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

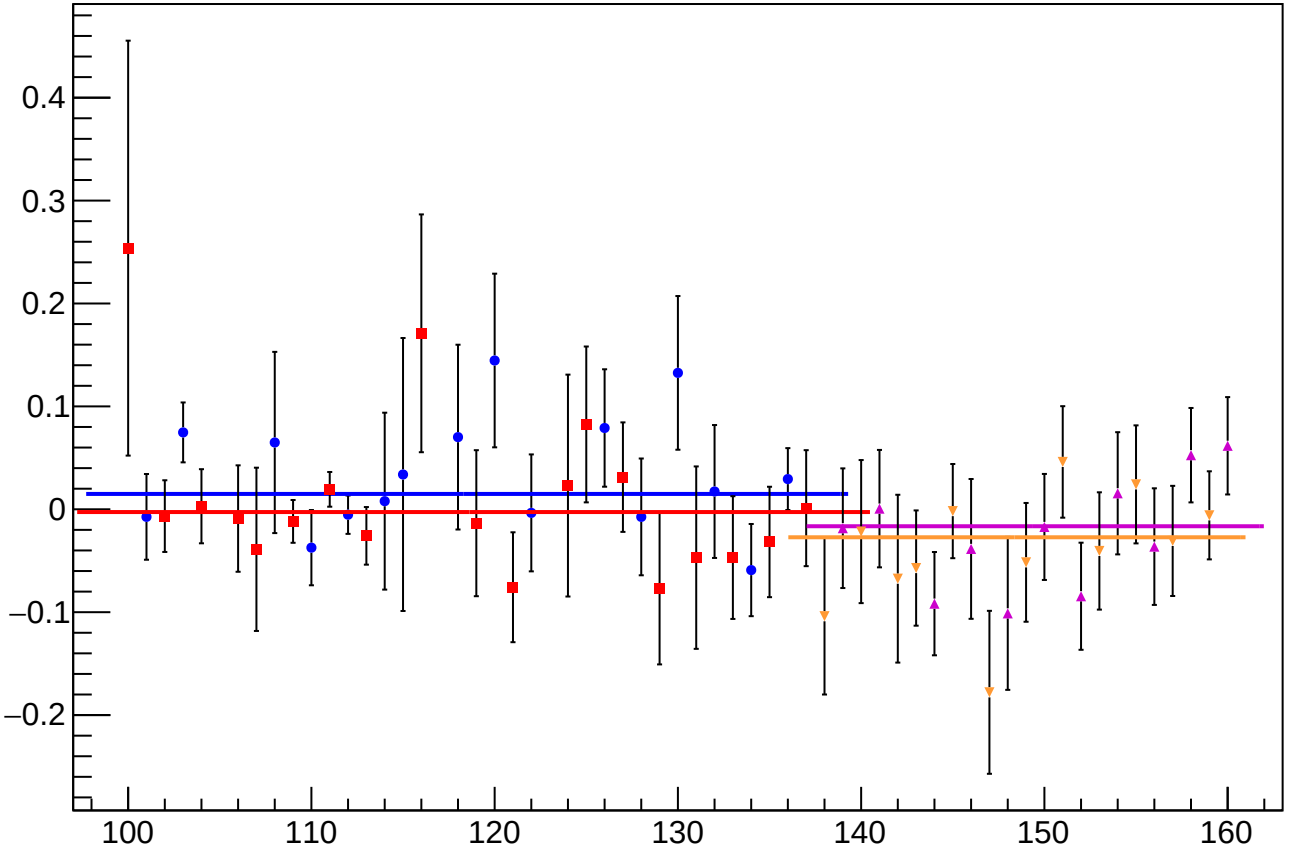
Left In: 0.002+/-0.000 χ^2/NDF:3655444.8/10

+ sign 0.002+/-0.000 χ^2/NDF: 6591983.8/27

All: 0.002+/-0.000 χ^2/NDF: 14634636.9/57

- sign 0.002+/-0.000 χ^2/NDF: 7724649.1/29

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.027+/-0.017 χ^2/NDF:8.6/11

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

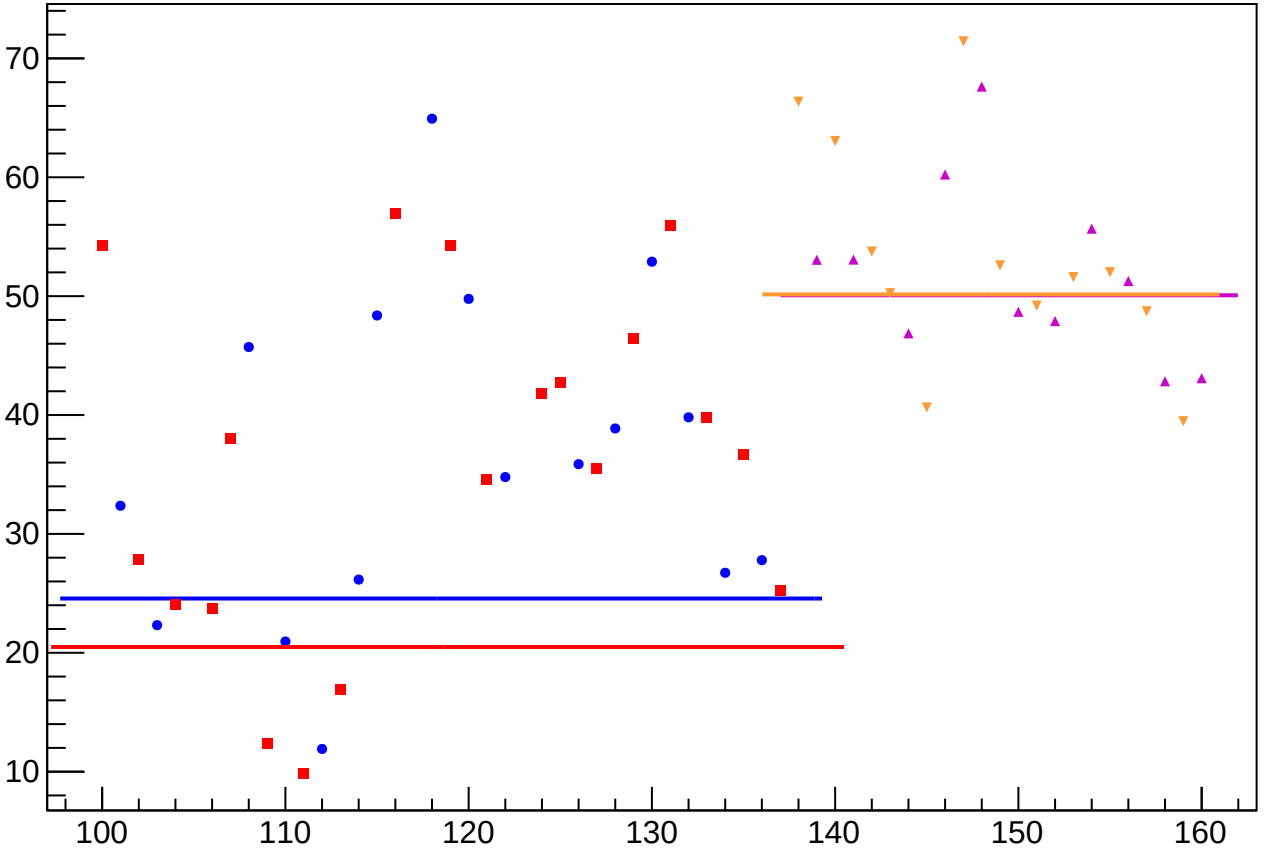
Left In: -0.016+/-0.017 χ^2/NDF:10.9/10

+ sign 0.003+/-0.009 χ^2/NDF: 31.0/27

All: -0.002+/-0.006 χ^2/NDF: 55.3/57

- sign -0.006+/-0.008 χ^2/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: 50.148+/-0.012 χ^2/NDF:527827.5/11

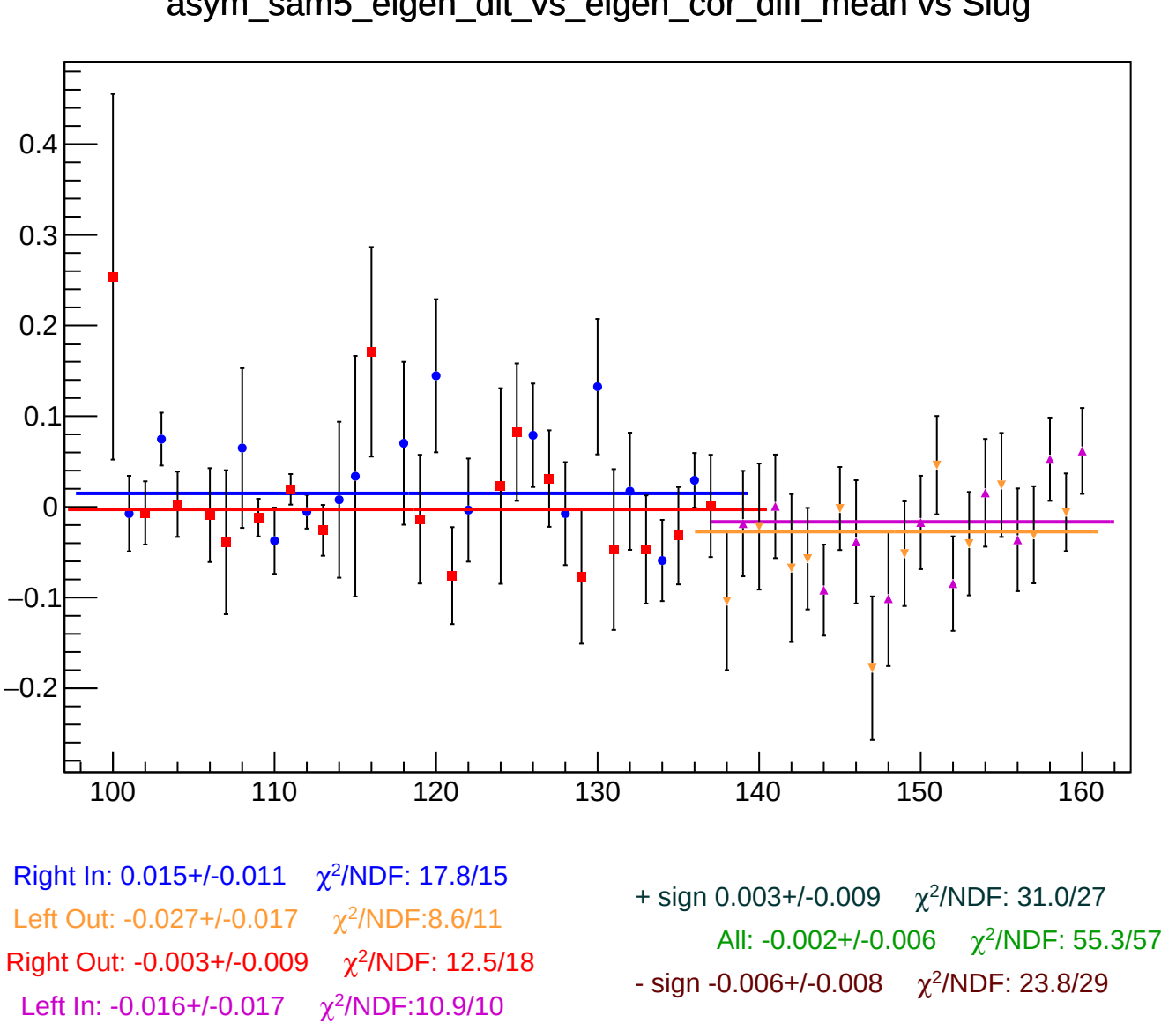
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

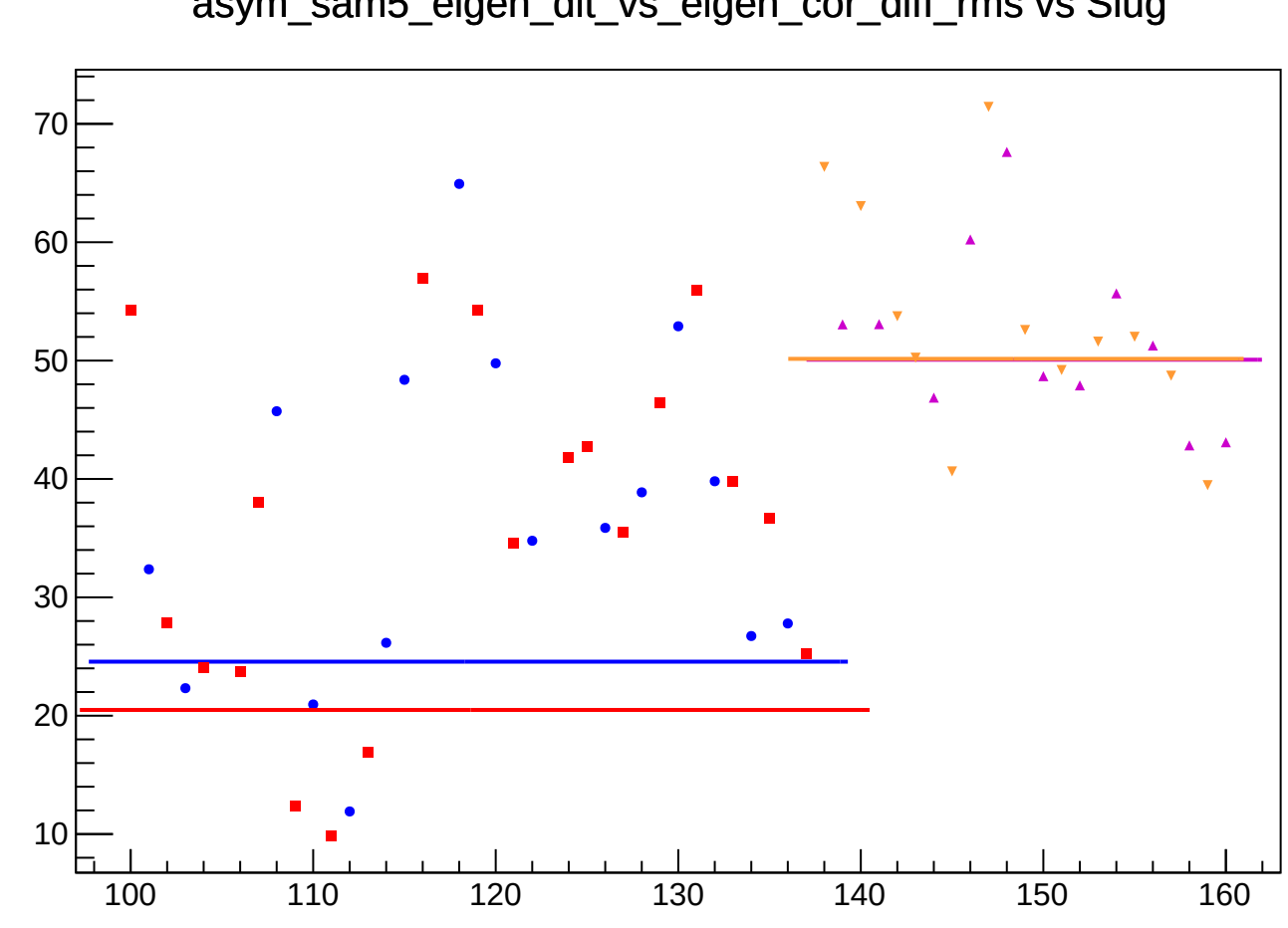
Left In: 50.074+/-0.012 χ^2/NDF:292083.3/10

+ sign 31.969+/-0.006 χ^2/NDF: 6391670.6/27

All: 29.515+/-0.004 χ^2/NDF: 15428125.1/57

- 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: -0.027+/-0.017 χ²/NDF:8.6/11
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: 31.0/27
All: -0.002+/-0.006 χ²/NDF: 55.3/57
- sign -0.006+/-0.008 χ²/NDF: 23.8/29



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.148+/-0.012 χ^2/NDF:527827.5/11

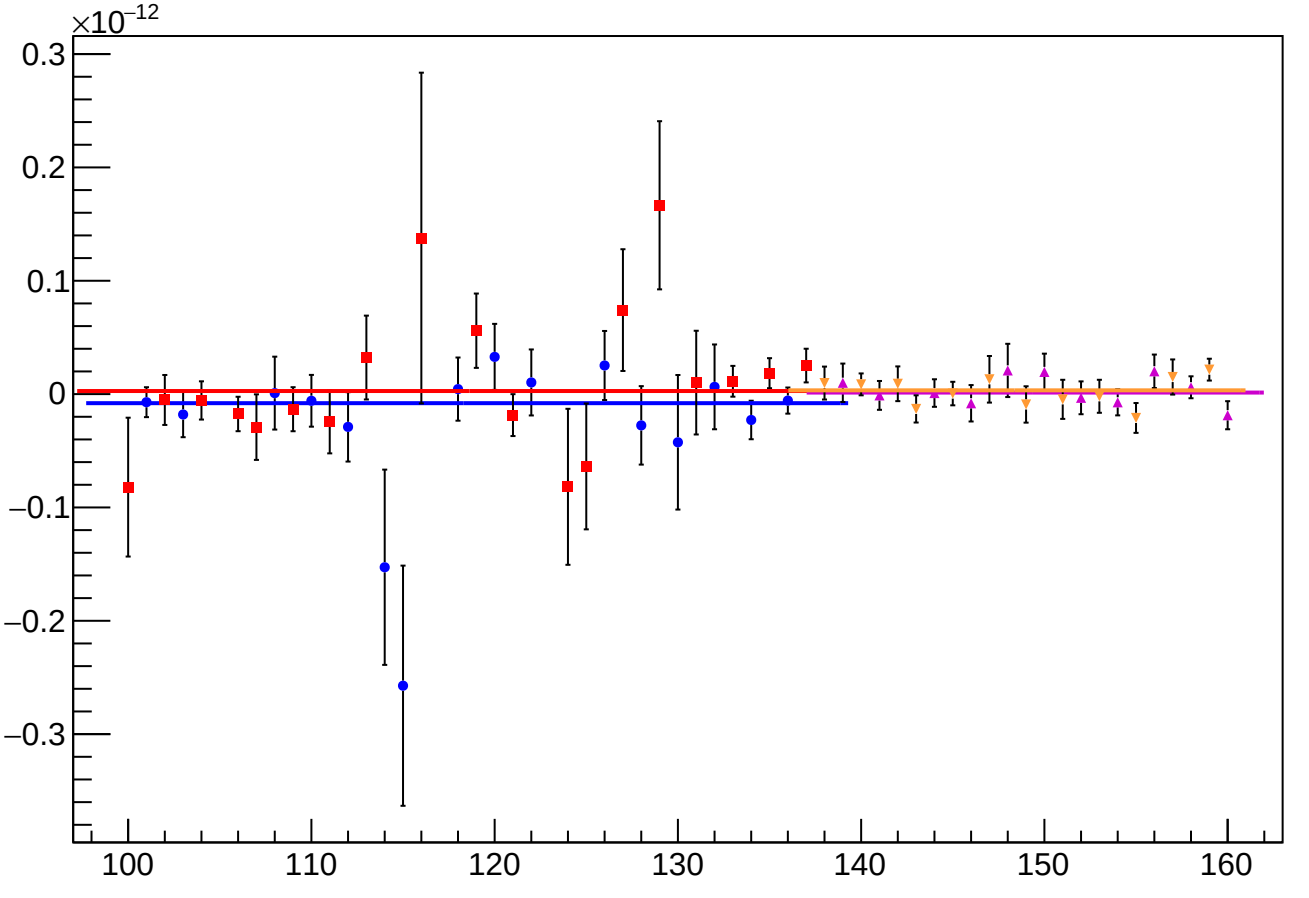
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.074+/-0.012 χ^2/NDF:292083.3/10

+ sign 31.969+/-0.006 χ^2/NDF: 6391670.6/27

All: 29.515+/-0.004 χ^2/NDF: 15428125.1/57

- 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:11.3/11

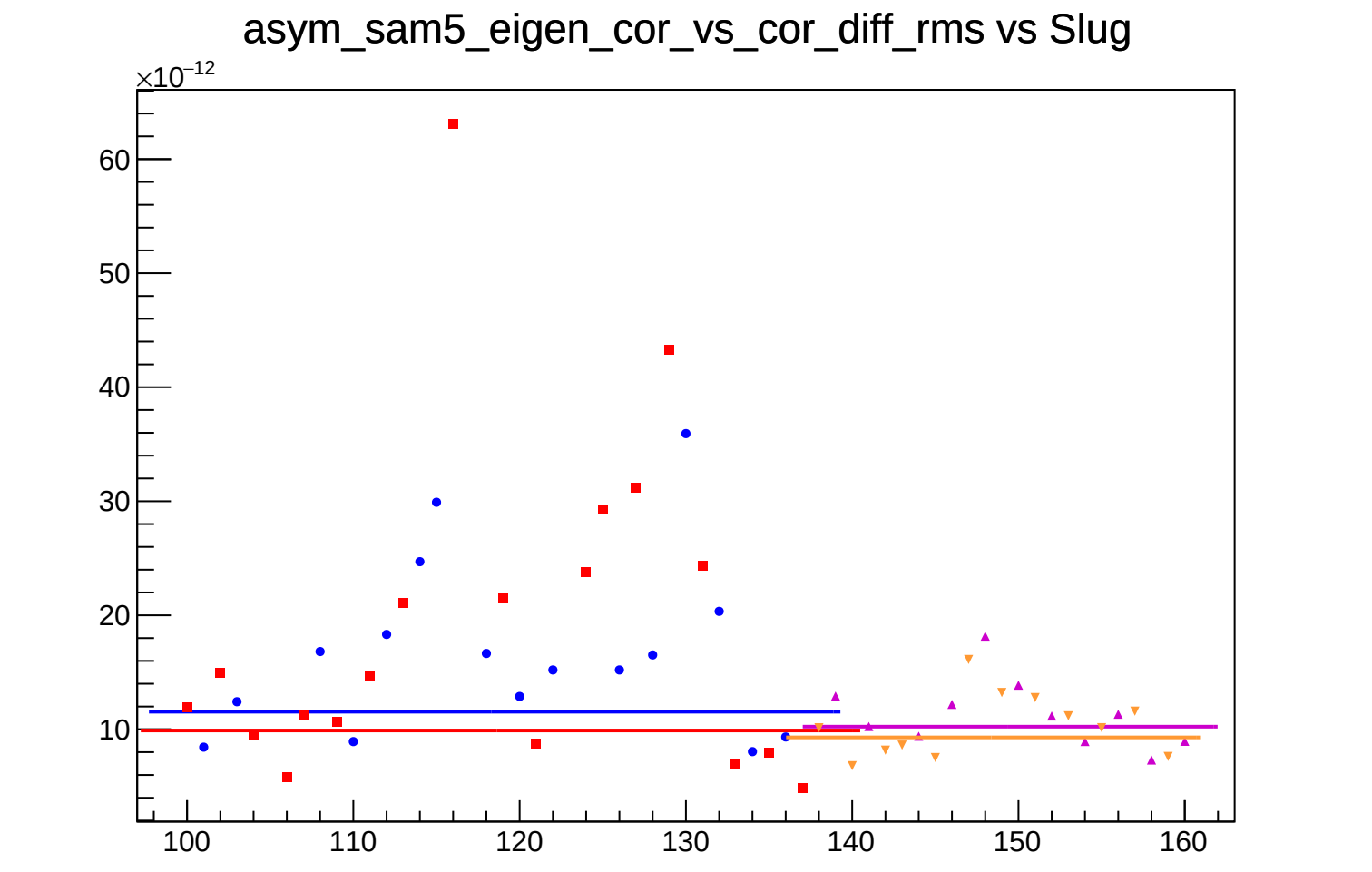
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 28.6/27

All: 0.000+/-0.000 χ^2/NDF: 62.6/57

- sign 0.000+/-0.000 χ^2/NDF: 33.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:783346.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

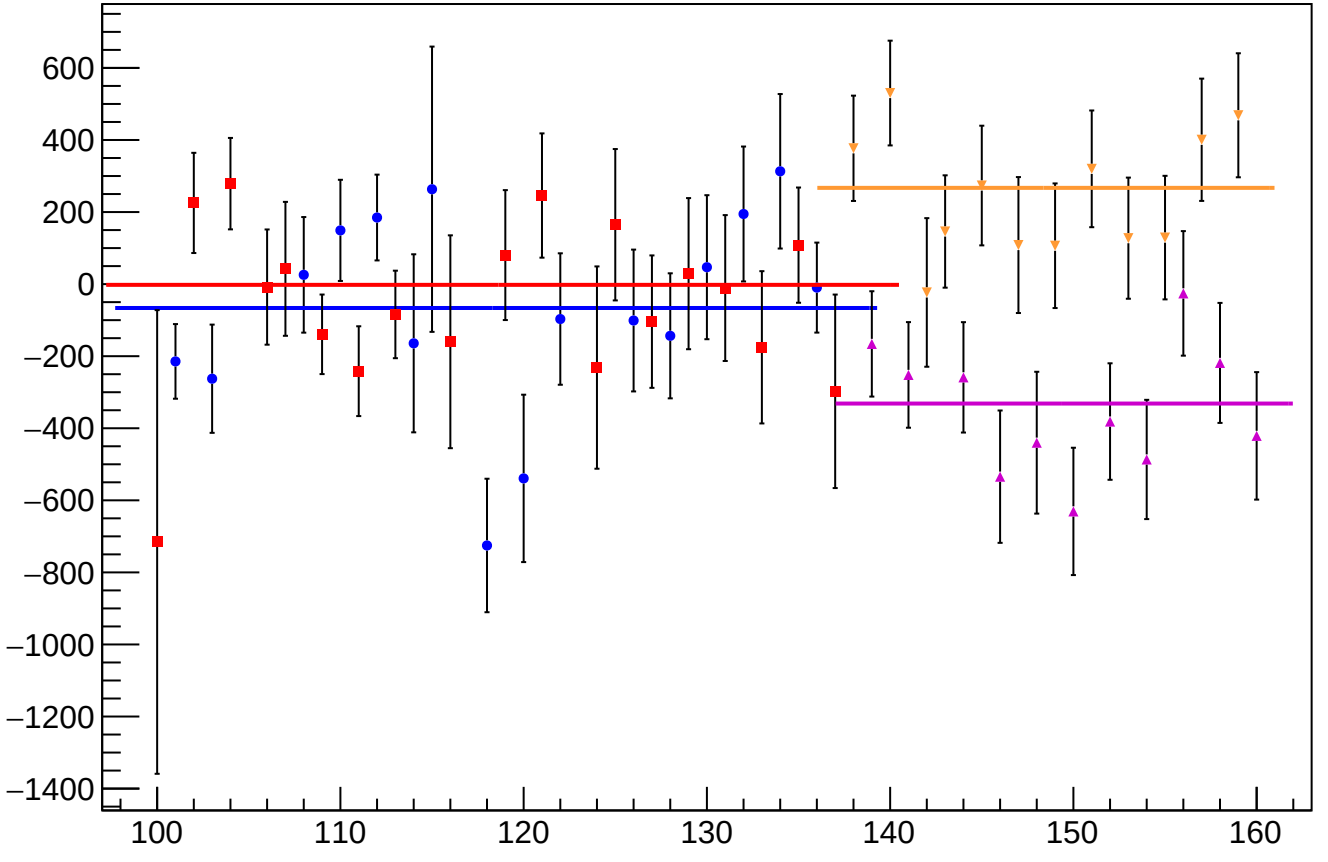
Left In: 0.000+/-0.000 χ^2/NDF:668066.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 2177195.7/27

All: 0.000+/-0.000 χ^2/NDF: 5488273.0/57

- 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: 267.145+/-48.075 χ^2/NDF:11.4/11

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

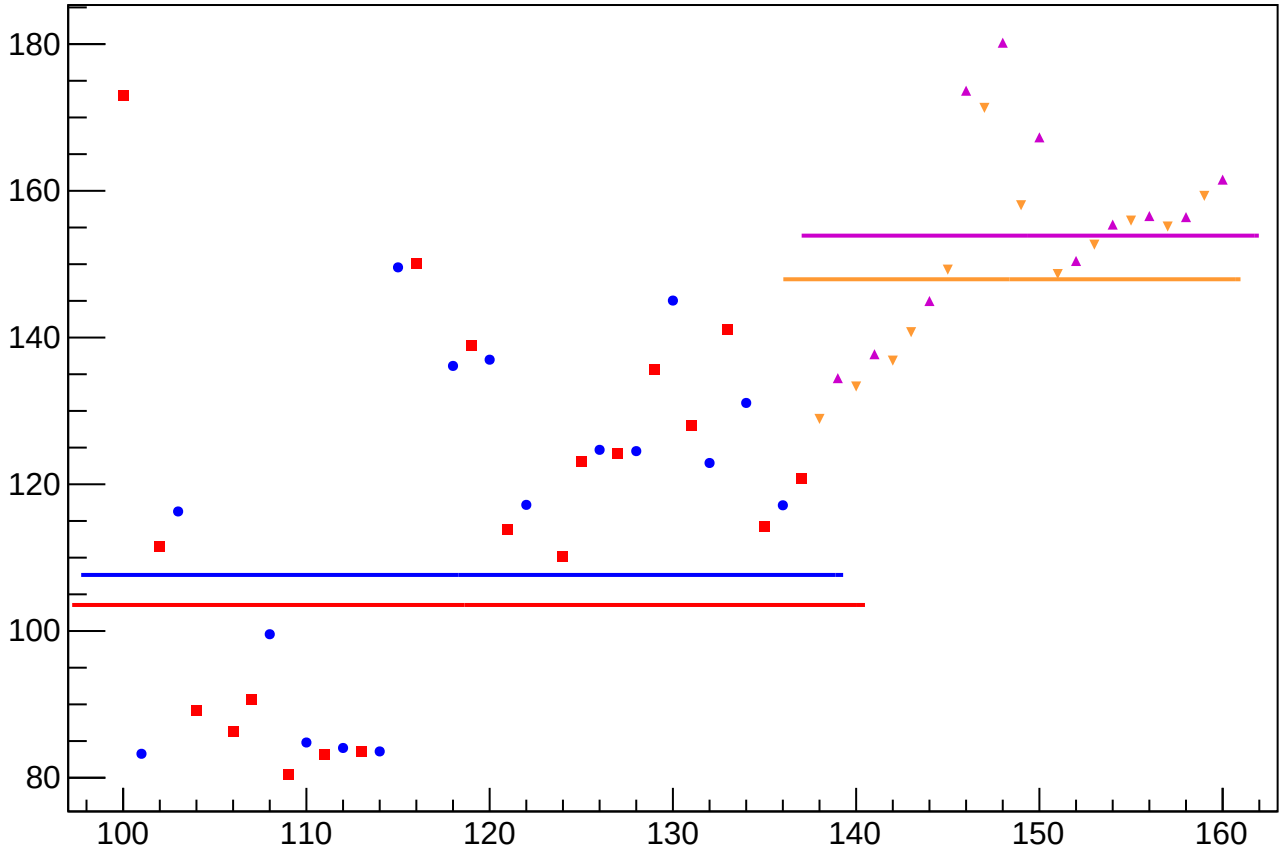
Left In: -331.432+/-50.013 χ^2/NDF:11.0/10

+ sign 73.895+/-31.168 χ^2/NDF: 73.7/27

All: -27.628+/-21.868 χ^2/NDF: 153.8/57

- 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: 147.945+/-0.034 χ^2/NDF:120097.9/11

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

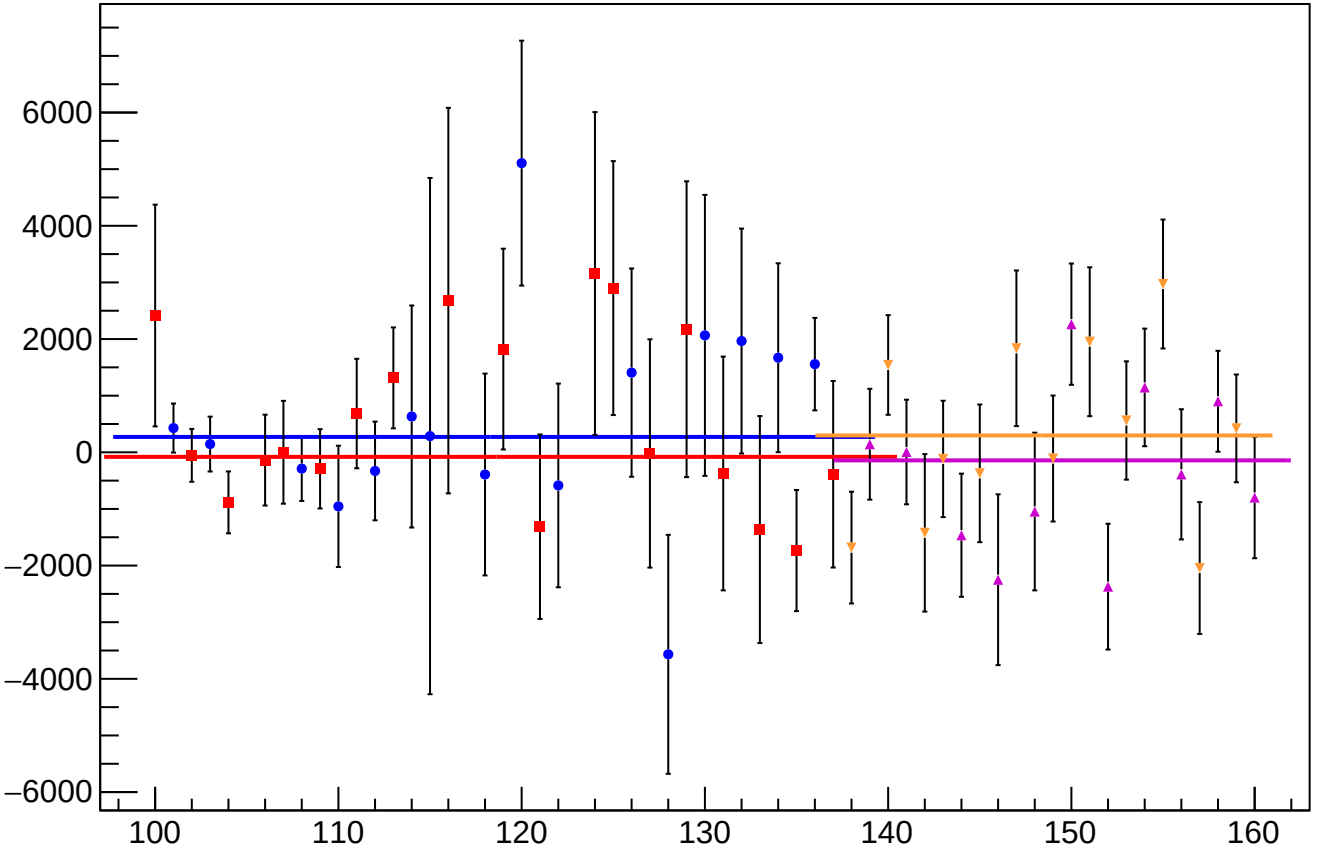
Left In: 153.893+/-0.035 χ^2/NDF:142522.1/10

+ sign 124.583+/-0.022 χ^2/NDF: 1467644.0/27

All: 123.528+/-0.015 χ^2/NDF: 3495477.4/57

- 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: 297.726+/-317.694 χ^2/NDF:20.6/11

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

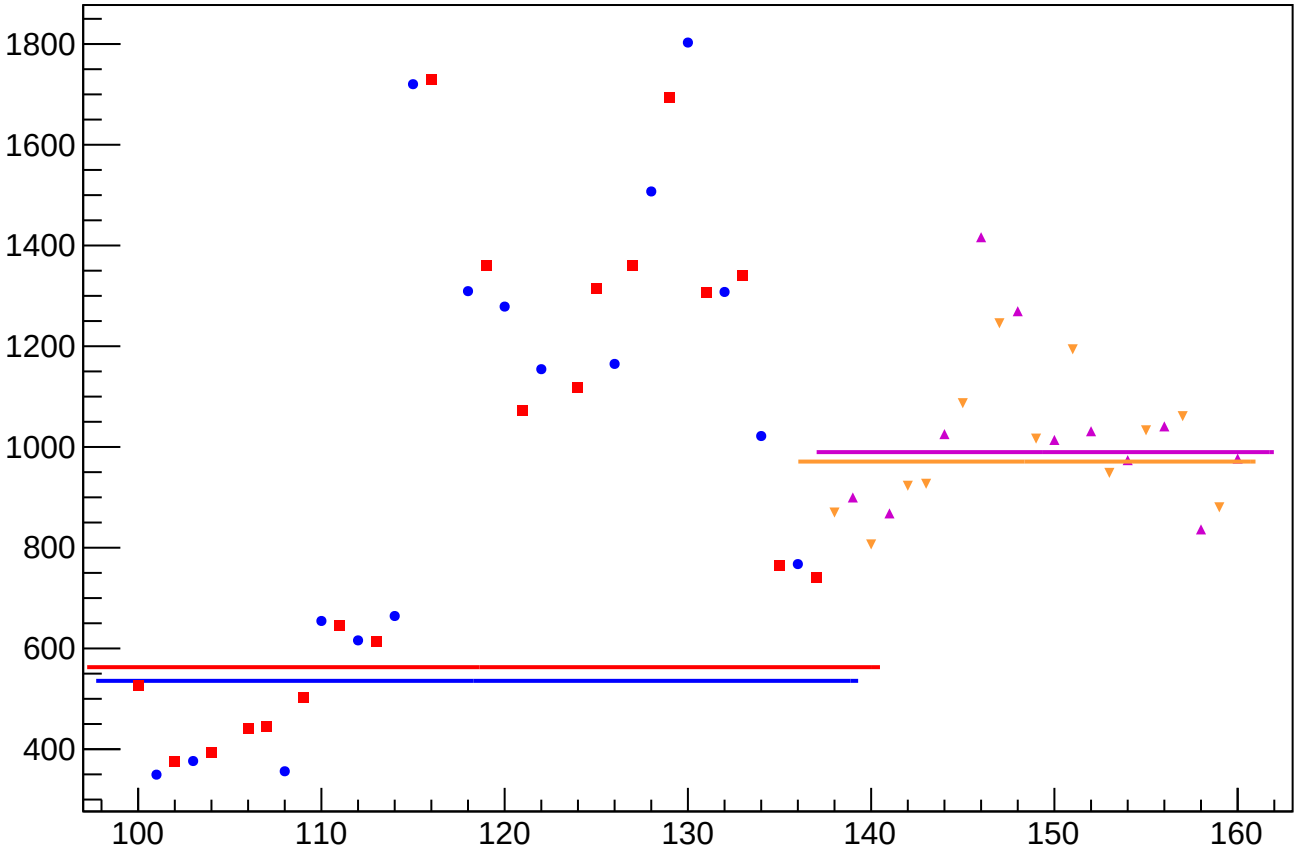
Left In: -142.532+/-324.174 χ^2/NDF:16.4/10

+ sign 280.556+/-186.653 χ^2/NDF: 37.1/27

All: 91.776+/-132.718 χ^2/NDF: 71.6/57

- 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: 971.024+/-0.225 χ^2/NDF:293022.5/11

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

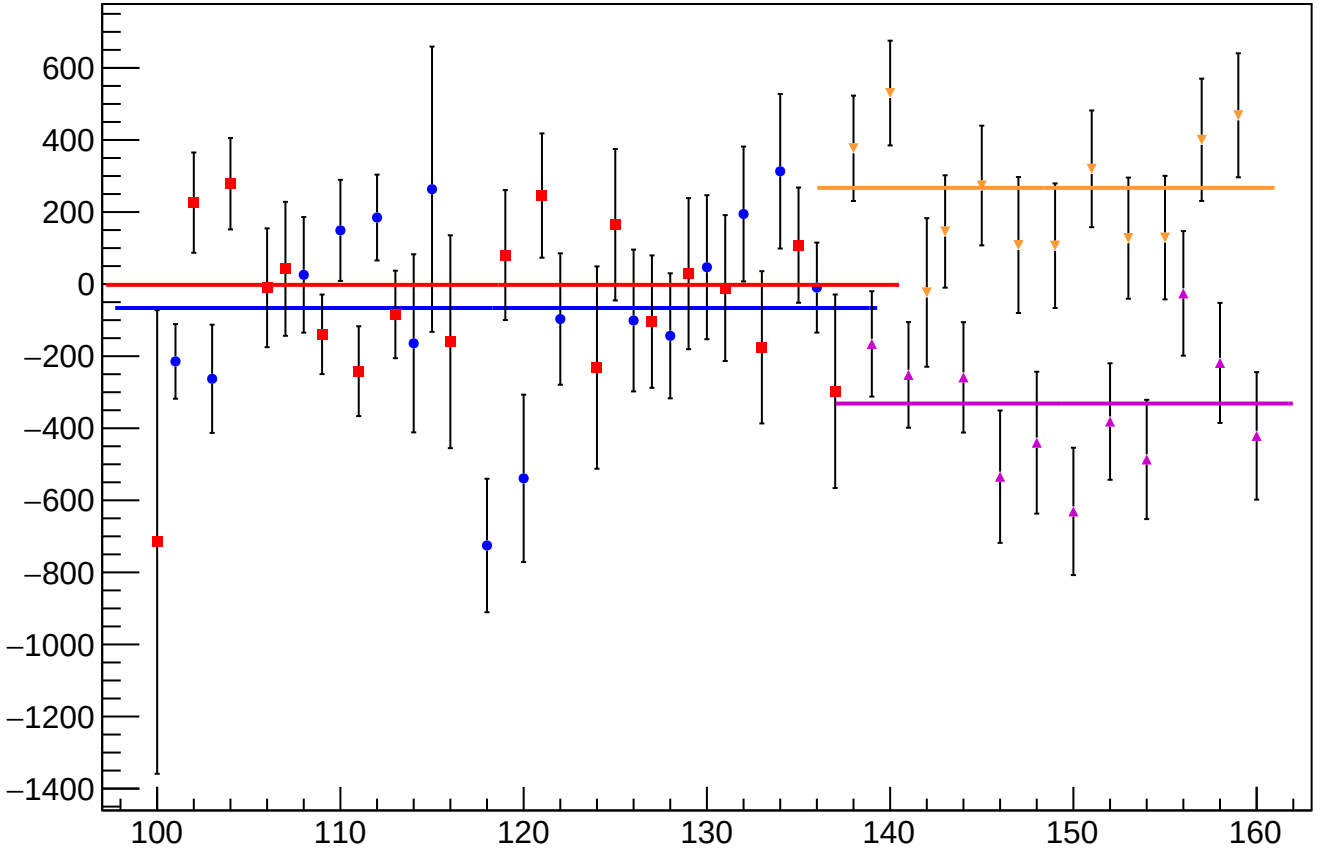
Left In: 989.785+/-0.229 χ^2/NDF:362435.5/10

+ sign 685.957+/-0.132 χ^2/NDF: 6384580.7/27

All: 696.647+/-0.094 χ^2/NDF: 12164342.5/57

- 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: 267.137+/-48.075 χ^2/NDF:11.4/11

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

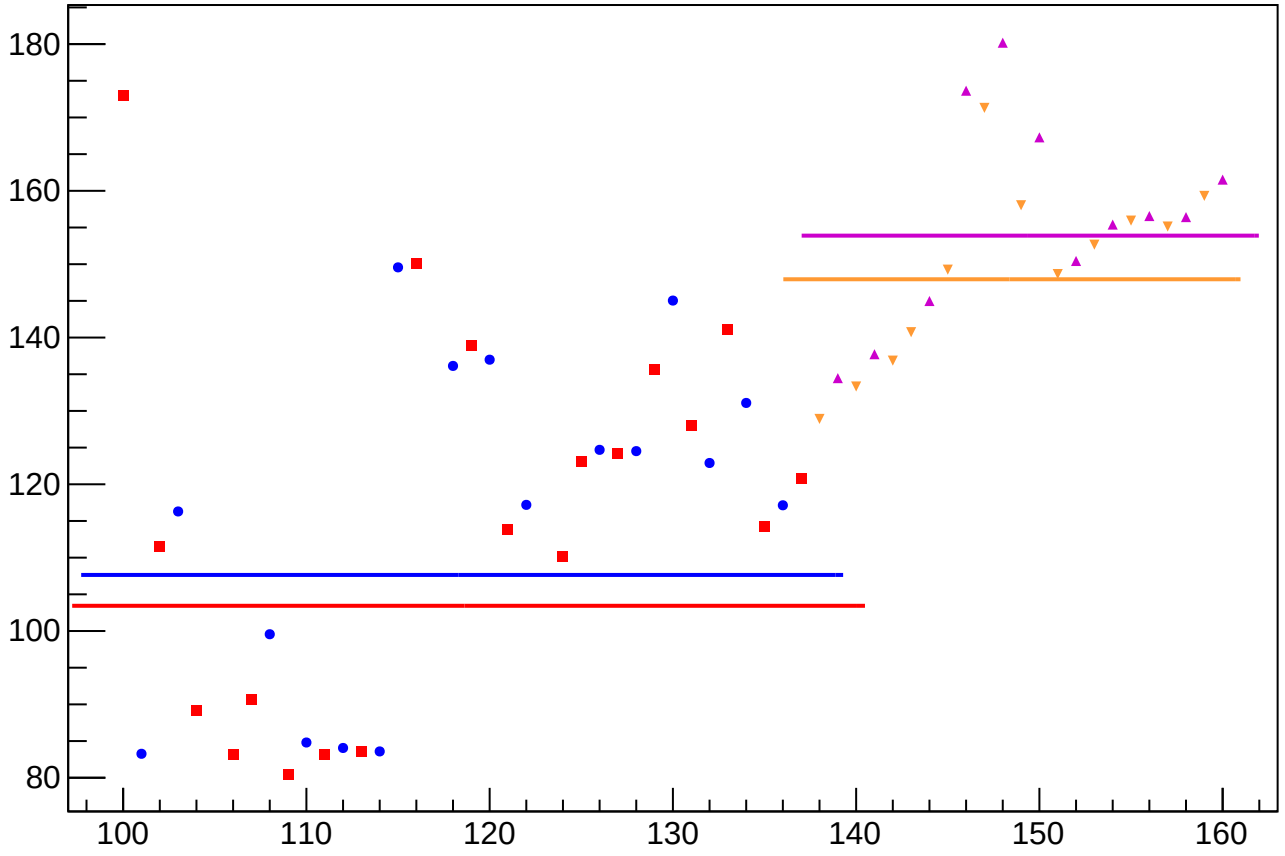
Left In: -331.437+/-50.013 χ^2/NDF:11.0/10

+ sign 73.877+/-31.168 χ^2/NDF: 73.7/27

All: -27.681+/-21.880 χ^2/NDF: 153.8/57

- 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: 147.945+/-0.034 χ^2/NDF:120097.9/11

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

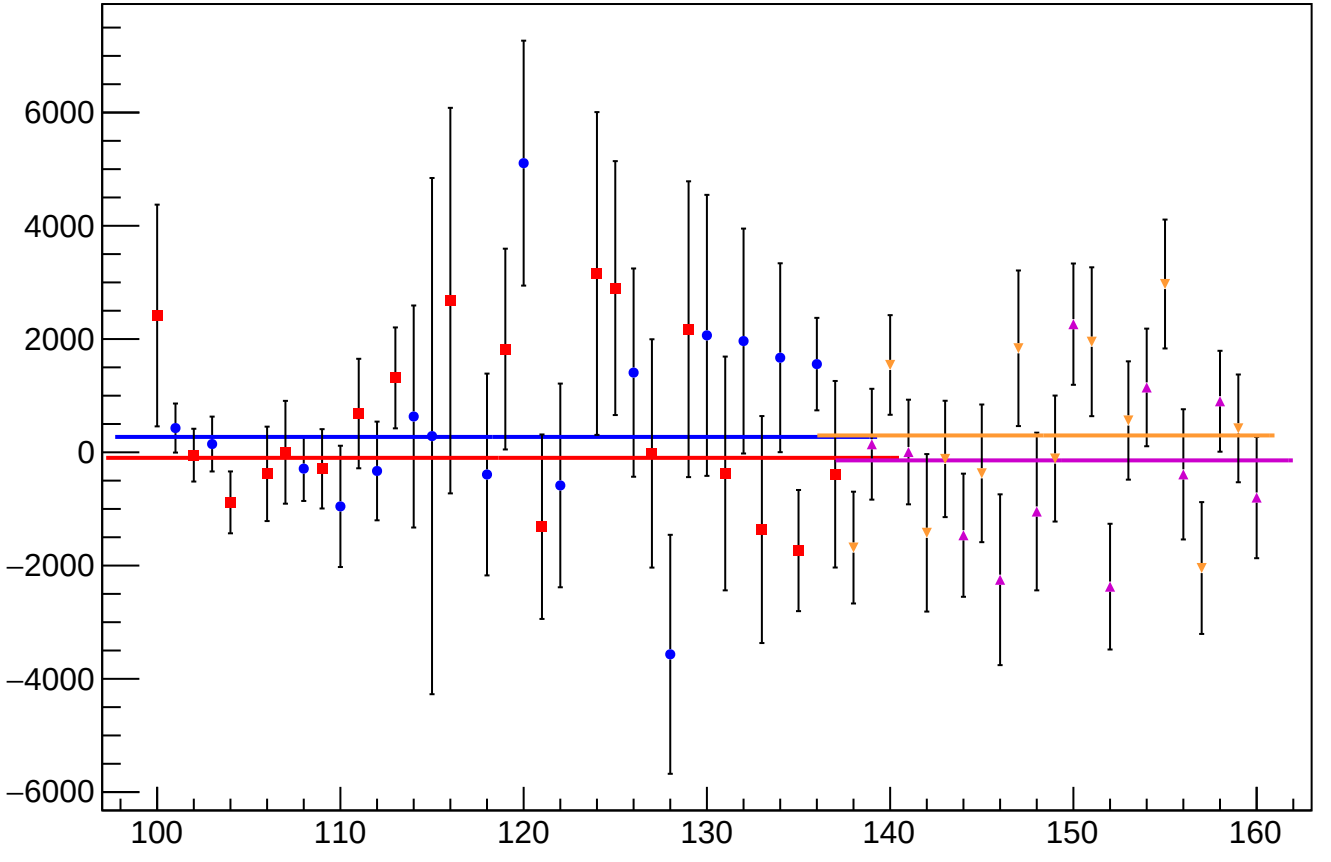
Left In: 153.893+/-0.035 χ^2/NDF:142522.1/10

\+ sign 124.584+/-0.022 χ^2/NDF: 1467642.8/27

All: 123.516+/-0.015 χ^2/NDF: 3506901.6/57

\- 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: 297.729+/-317.694 χ^2/NDF:20.6/11

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

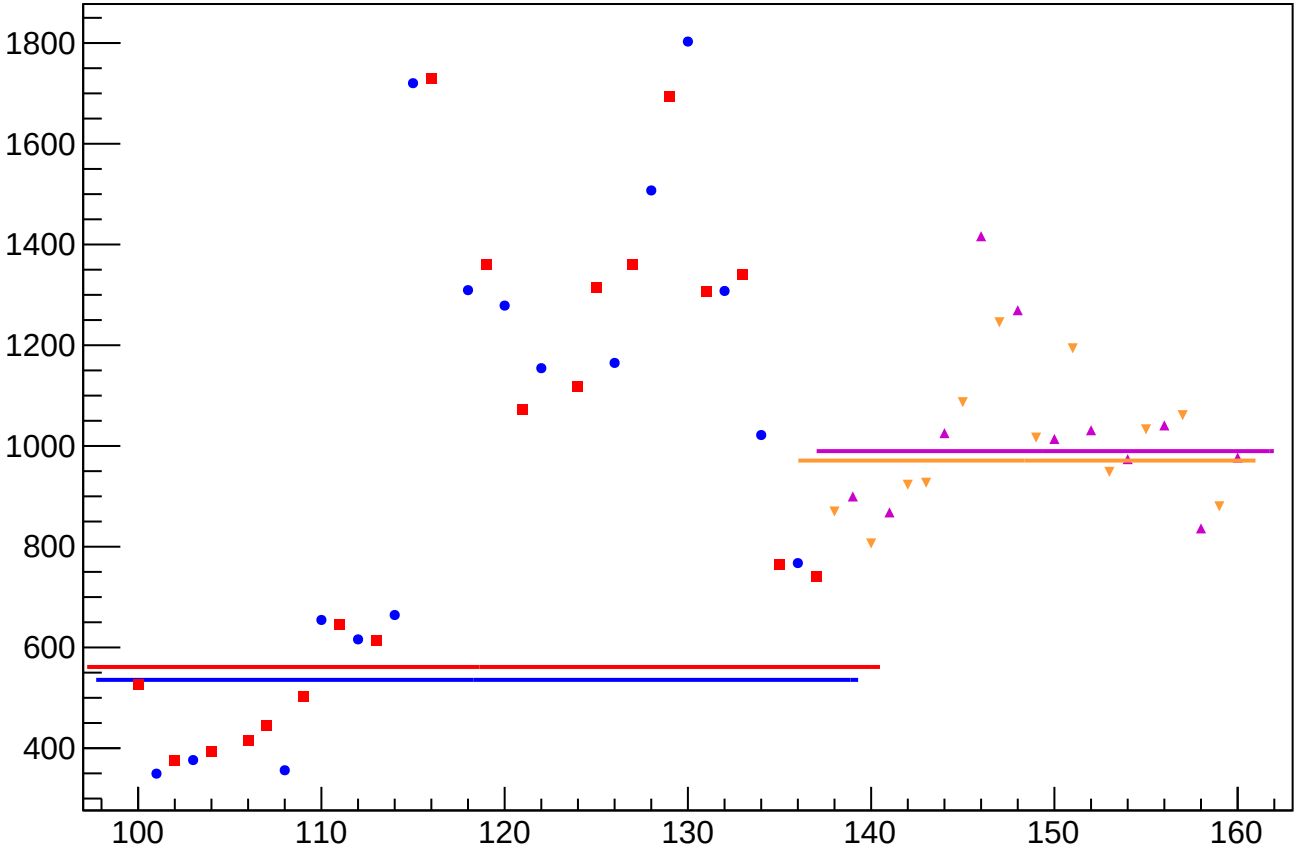
Left In: -142.527+/-324.175 χ^2/NDF:16.4/10

+ sign 280.649+/-186.650 χ^2/NDF: 37.1/27

All: 86.350+/-132.833 χ^2/NDF: 71.8/57

- 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: 971.024+/-0.225 χ^2/NDF:293022.9/11

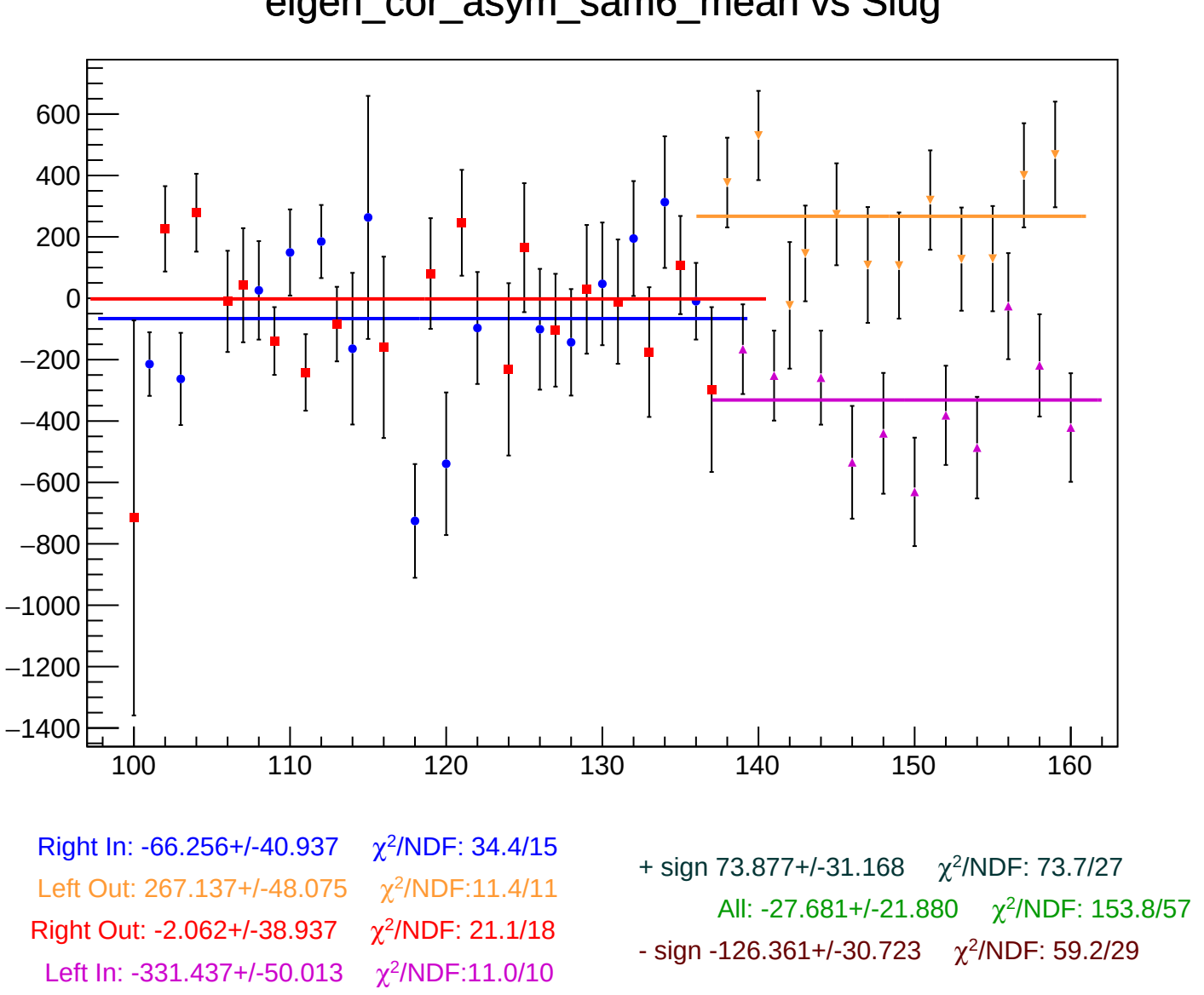
Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 989.786+/-0.229 χ^2/NDF:362435.0/10

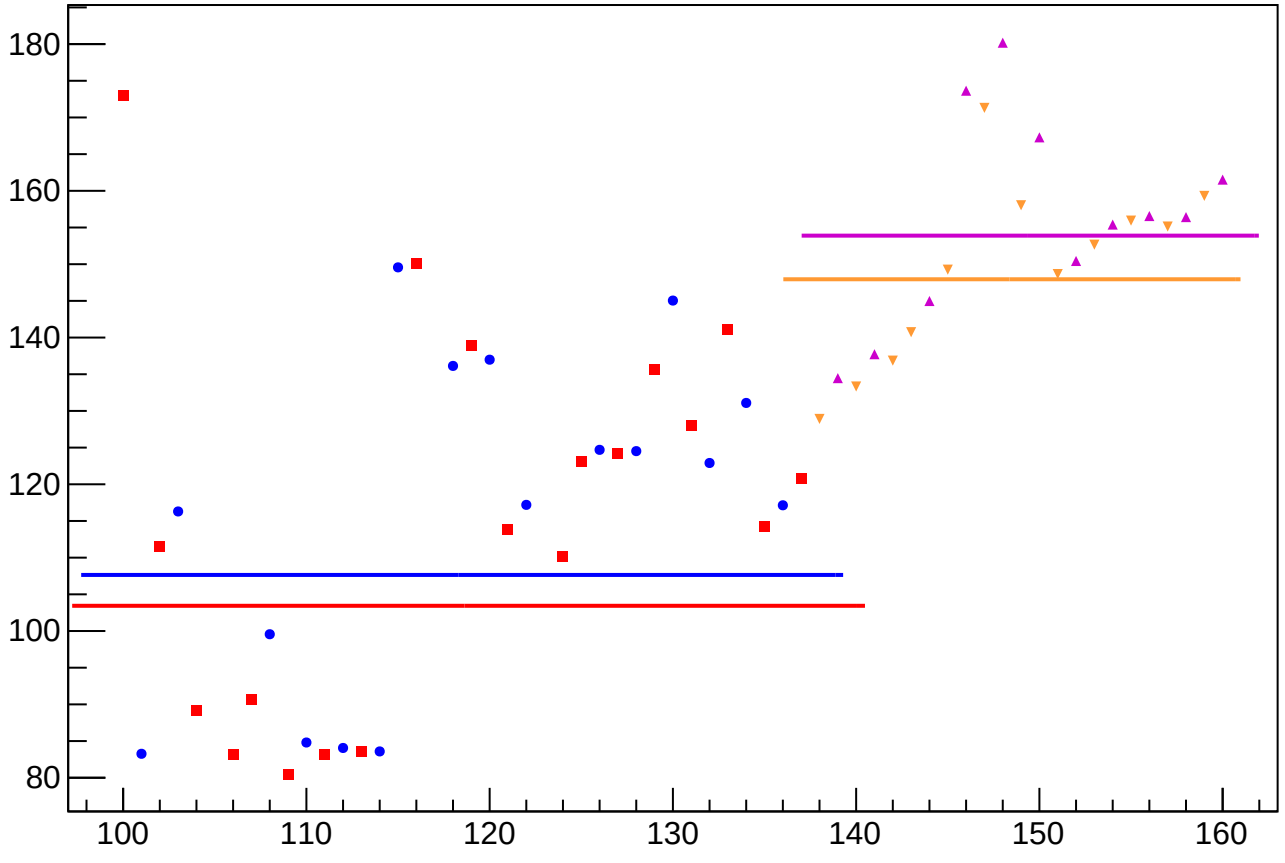
+ sign 685.937+/-0.132 χ^2/NDF: 6385081.3/27

All: 696.359+/-0.094 χ^2/NDF: 12196667.8/57

- sign 707.054+/-0.134 χ^2/NDF: 5798951.8/29


eigen_cor_asym_sam6_mean vs Slug
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: 267.137+/-48.075 χ²/NDF:11.4/11
Right Out: -2.062+/-38.937 χ²/NDF: 21.1/18
Left In: -331.437+/-50.013 χ²/NDF:11.0/10
+ sign 73.877+/-31.168 χ²/NDF: 73.7/27
All: -27.681+/-21.880 χ²/NDF: 153.8/57
- 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: 147.945+/-0.034 χ^2/NDF:120097.9/11

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

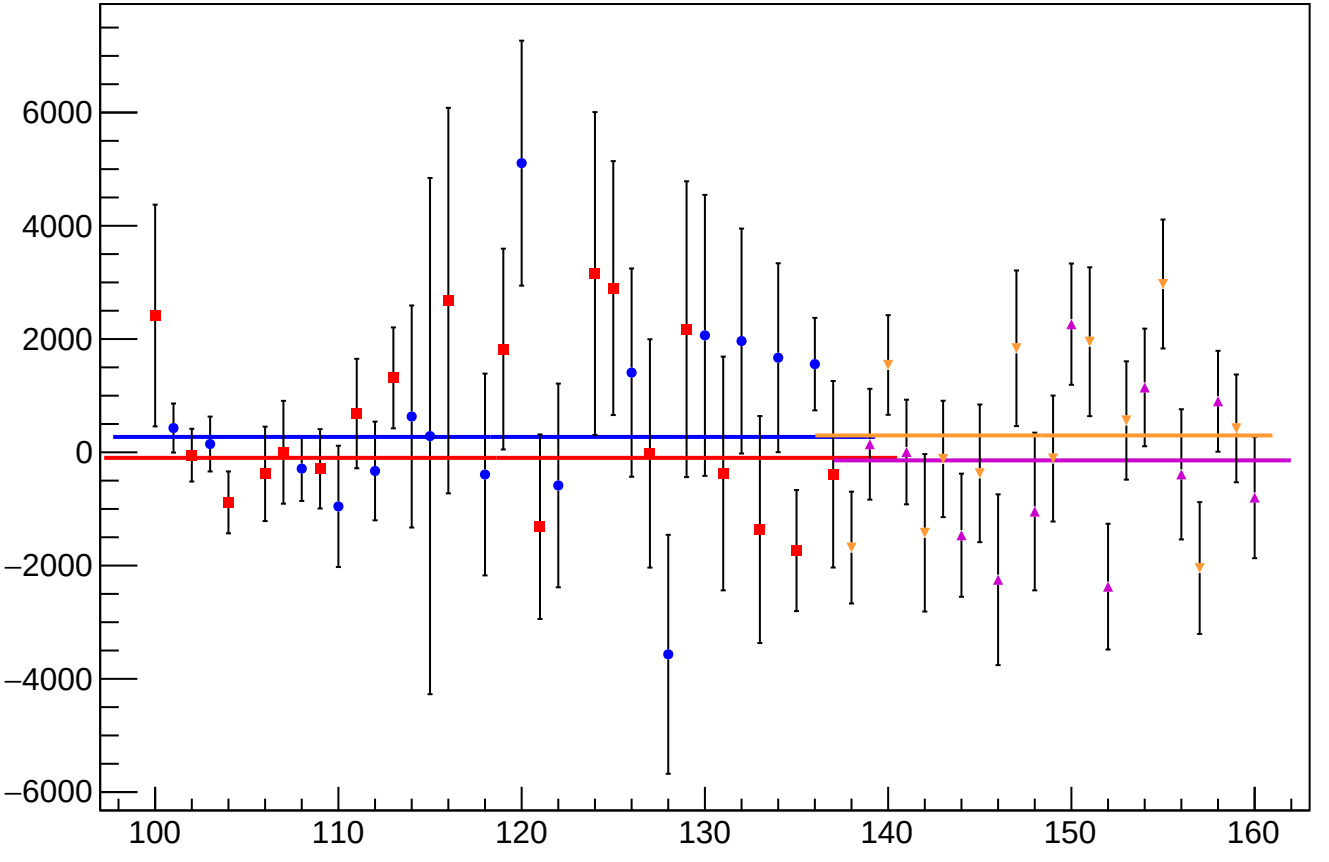
Left In: 153.893+/-0.035 χ^2/NDF:142522.1/10

+ sign 124.584+/-0.022 χ^2/NDF: 1467642.8/27

All: 123.516+/-0.015 χ^2/NDF: 3506901.6/57

- 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: 297.729+/-317.694 χ^2/NDF:20.6/11

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

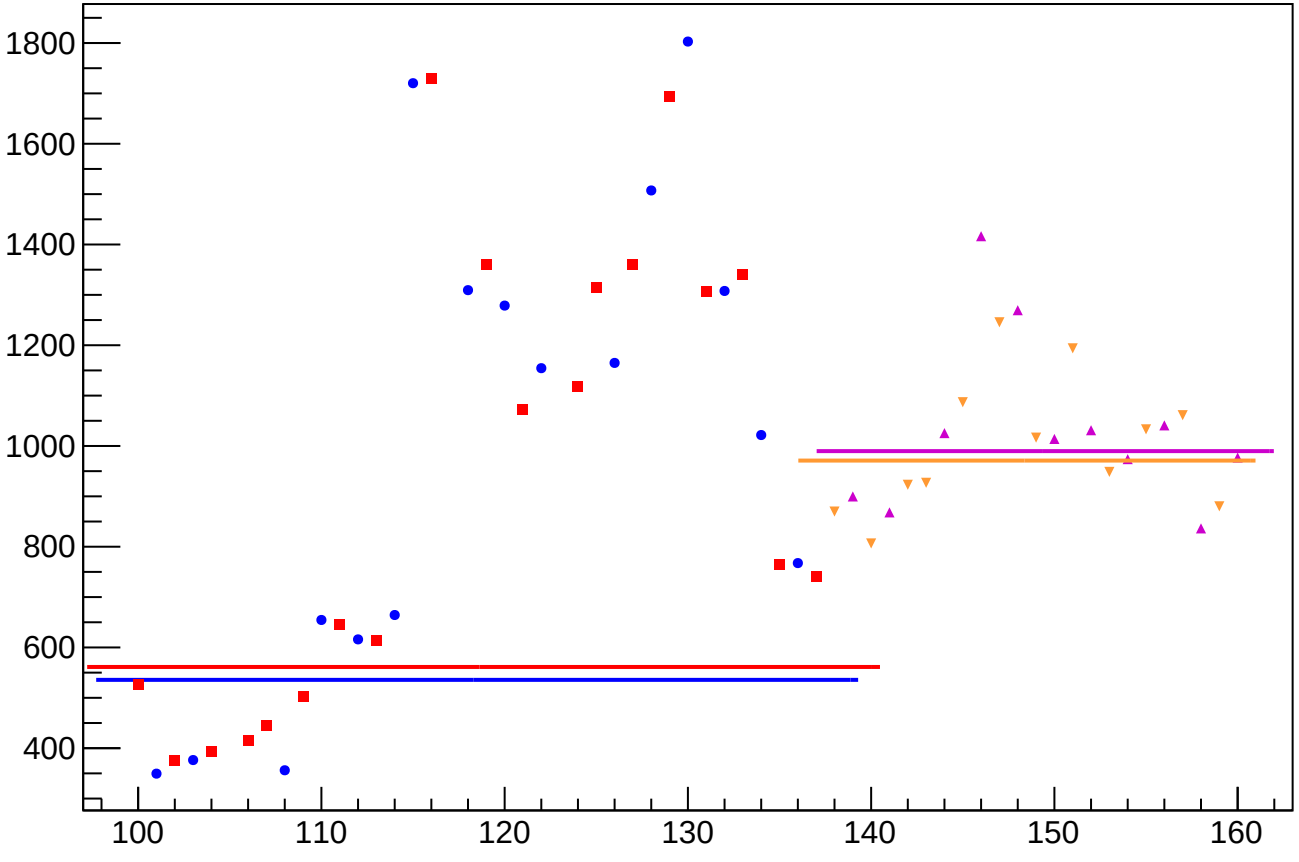
Left In: -142.527+/-324.175 χ^2/NDF:16.4/10

+ sign 280.649+/-186.650 χ^2/NDF: 37.1/27

All: 86.350+/-132.833 χ^2/NDF: 71.8/57

- 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: 971.024+/-0.225 χ^2/NDF:293022.9/11

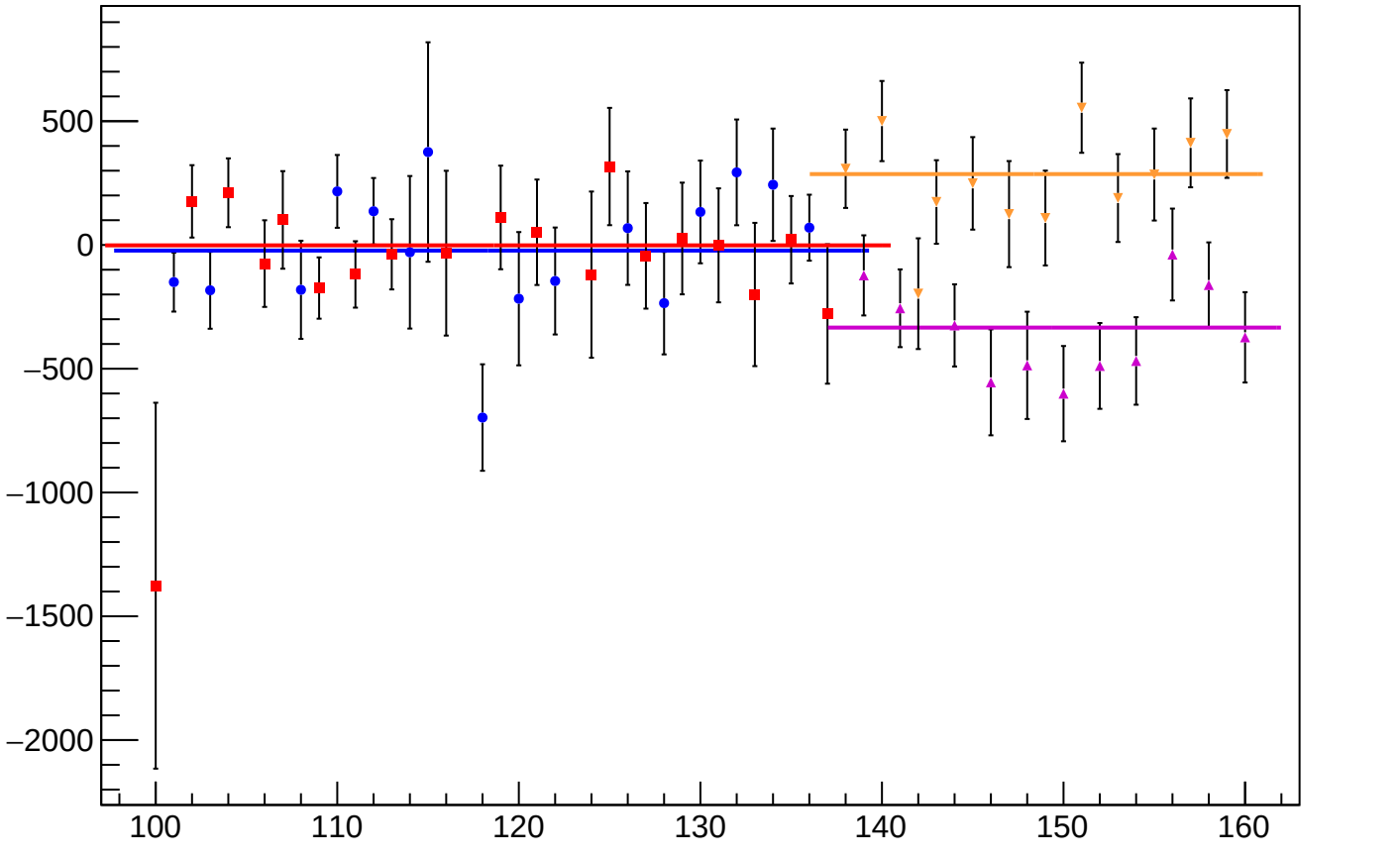
Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 989.786+/-0.229 χ^2/NDF:362435.0/10

+ sign 685.937+/-0.132 χ^2/NDF: 6385081.3/27

All: 696.359+/-0.094 χ^2/NDF: 12196667.8/57

- sign 707.054+/-0.134 χ^2/NDF: 5798951.8/29



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 286.328+/-52.372 χ^2/NDF:12.1/11

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

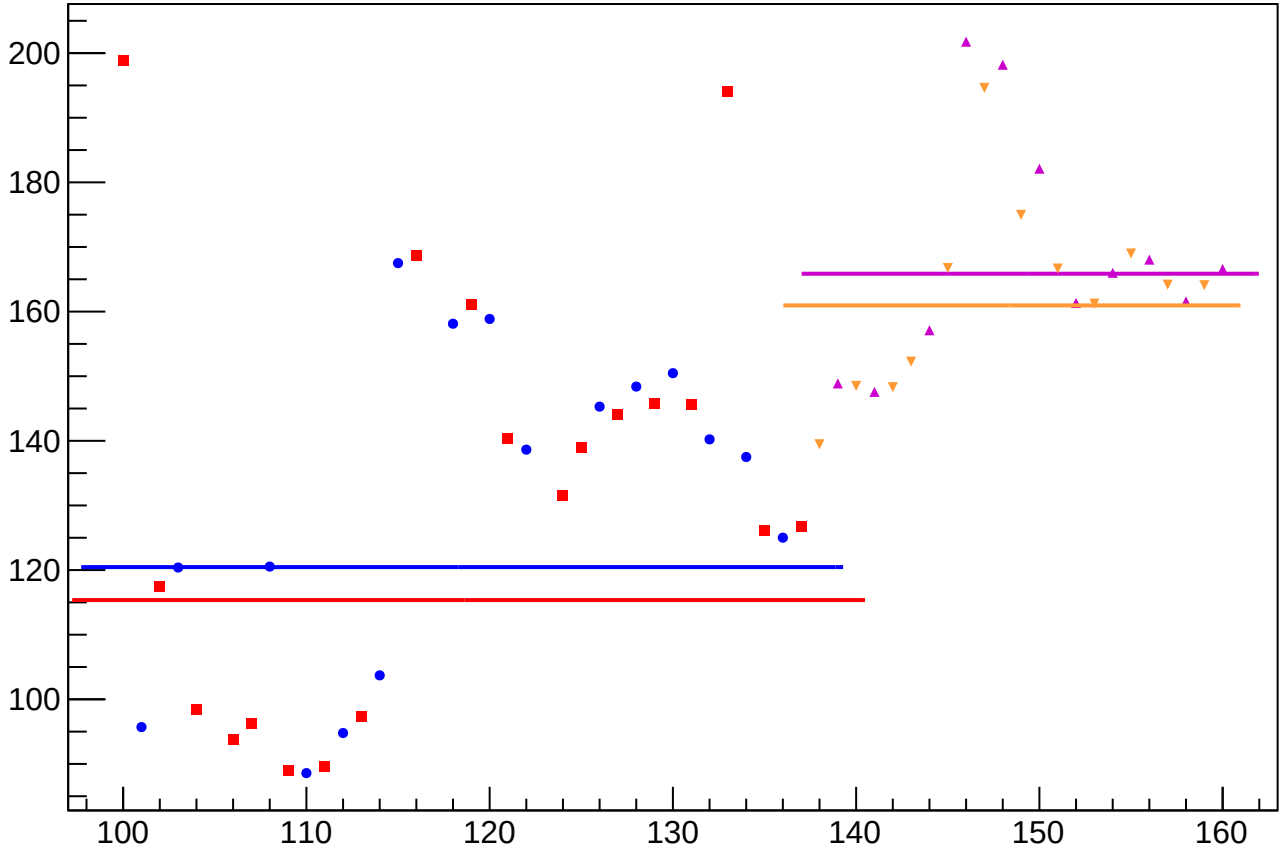
Left In: -333.782+/-53.970 χ^2/NDF:10.4/10

+ sign 111.590+/-34.522 χ^2/NDF: 56.0/27

All: -12.757+/-24.187 χ^2/NDF: 129.1/57

- 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: 160.957+/-0.037 χ^2/NDF:129440.4/11

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

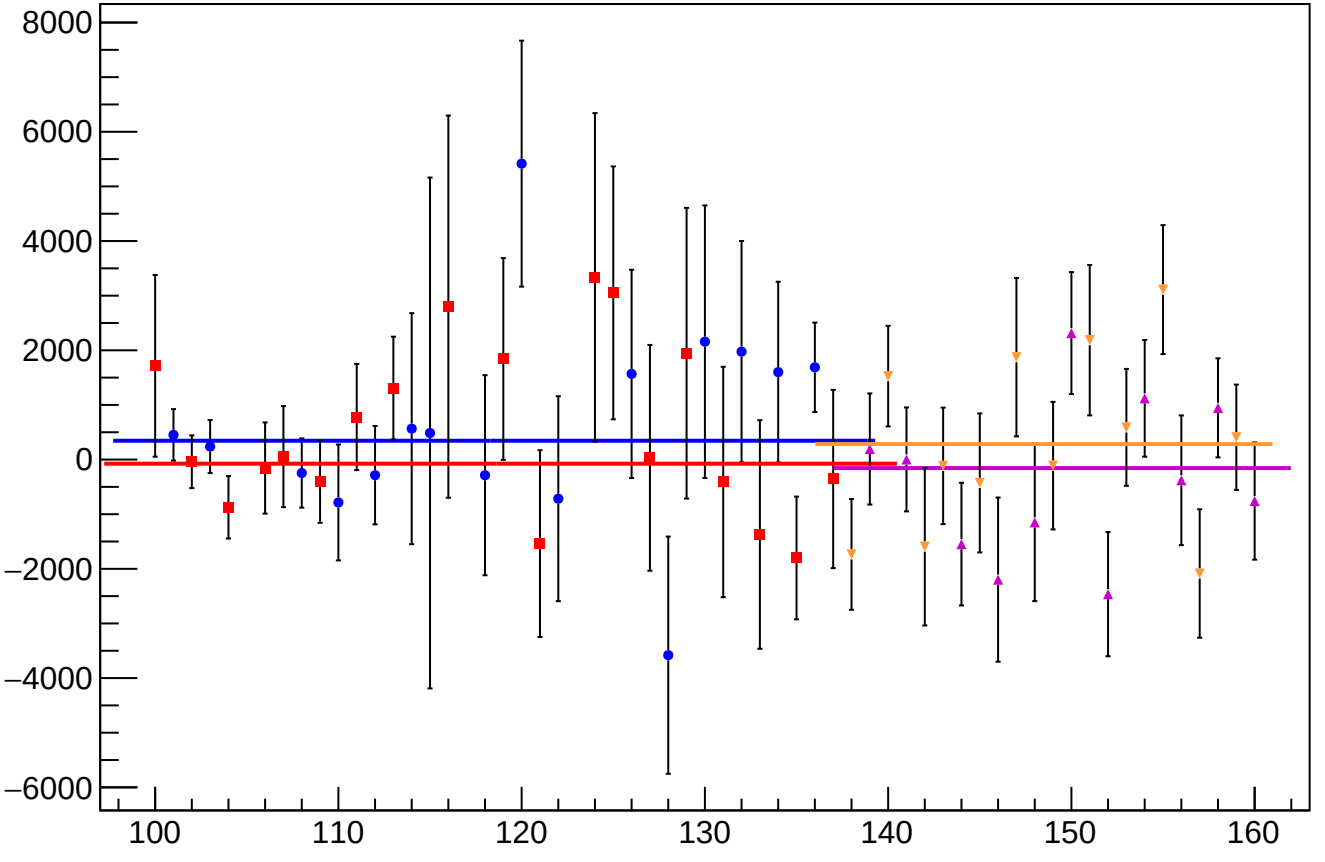
Left In: 165.862+/-0.038 χ^2/NDF:172708.2/10

+ sign 138.056+/-0.024 χ^2/NDF: 1336063.6/27

All: 136.643+/-0.017 χ^2/NDF: 3343083.8/57

- 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: 283.236+/-328.649 χ^2/NDF:21.1/11

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

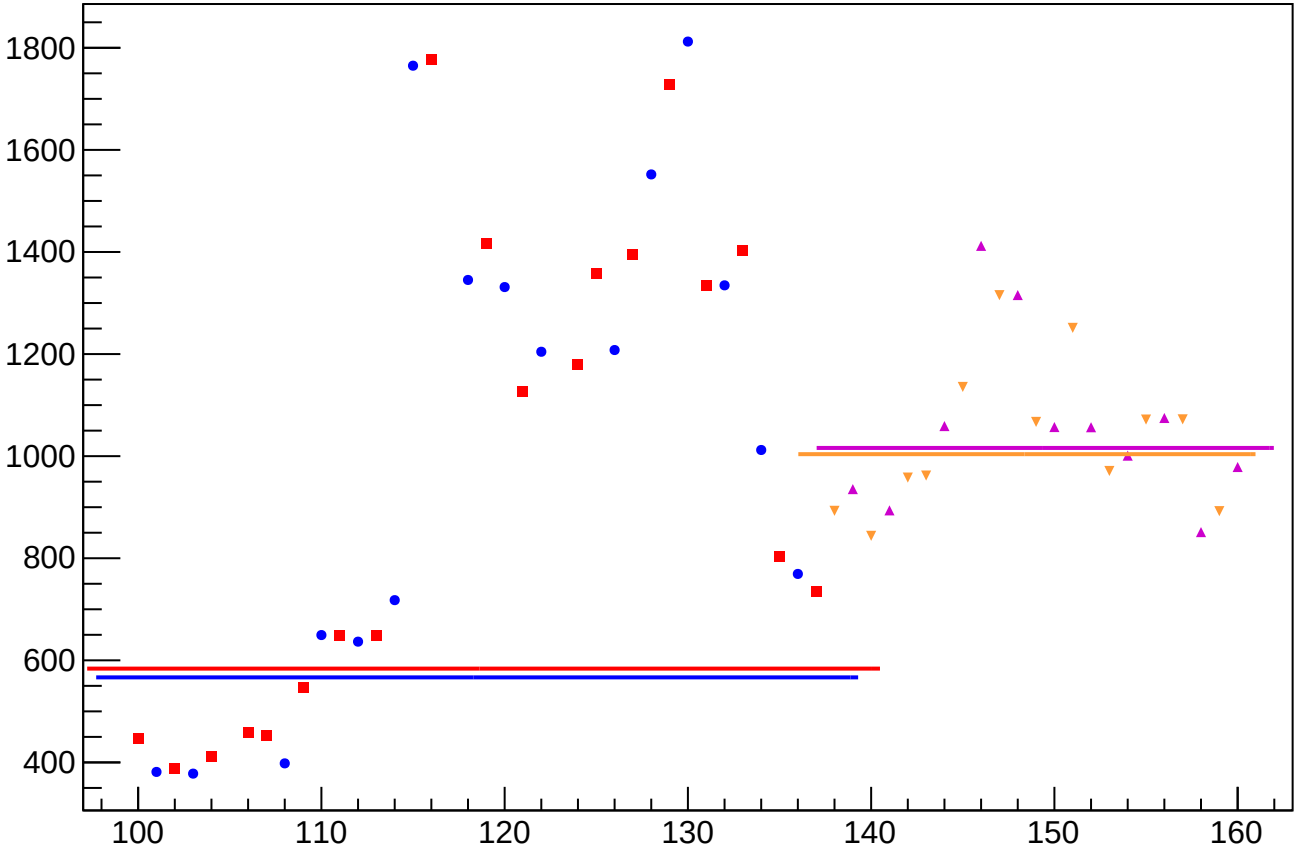
Left In: -155.653+/-332.700 χ^2/NDF:16.3/10

+ sign 322.974+/-194.625 χ^2/NDF: 37.3/27

All: 110.304+/-137.717 χ^2/NDF: 71.3/57

- 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: 1003.911+/-0.232 χ^2/NDF:315895.9/11

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

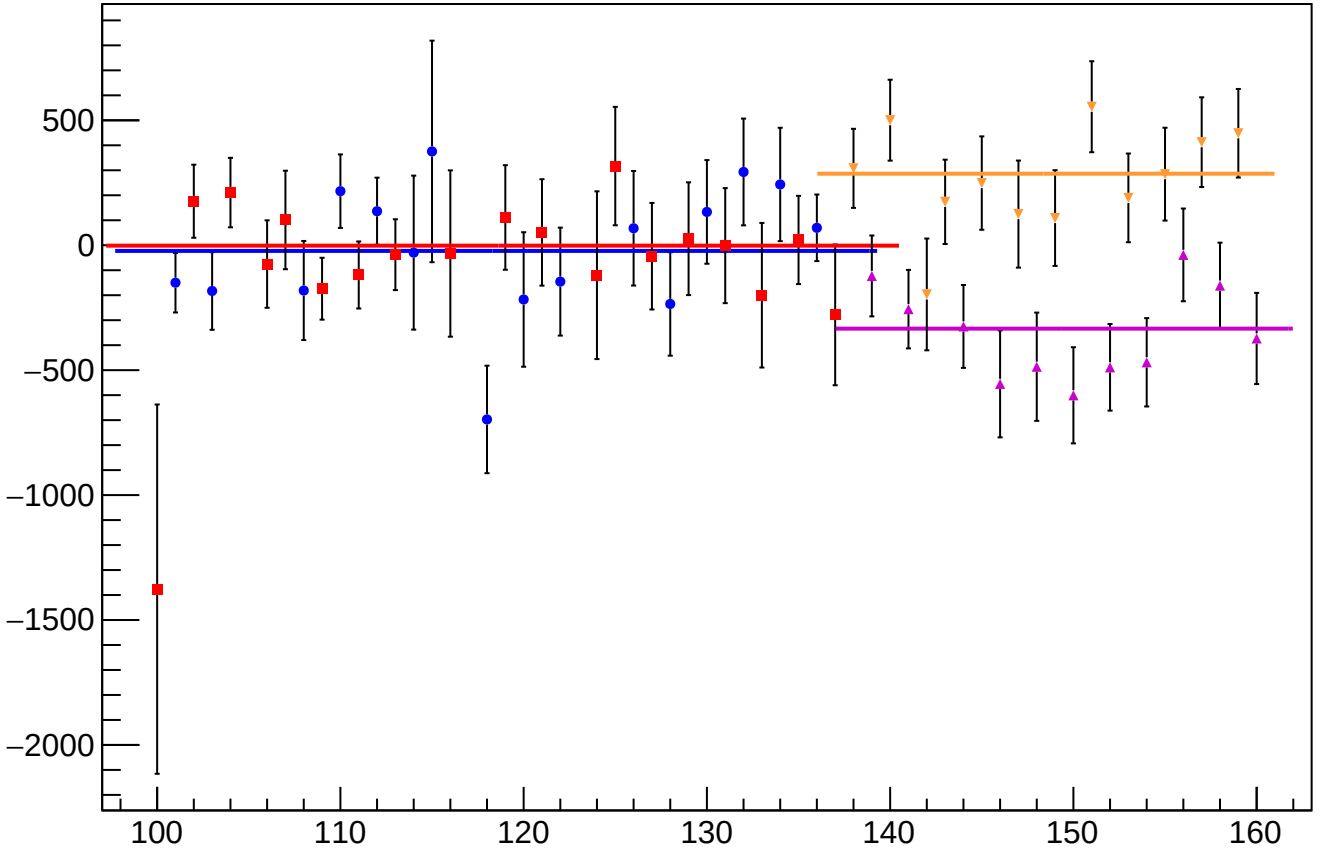
Left In: 1016.104+/-0.235 χ^2/NDF:352702.1/10

+ sign 719.966+/-0.138 χ^2/NDF: 6047595.2/27

All: 726.048+/-0.097 χ^2/NDF: 11729767.9/57

- 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: 286.329+/-52.372 χ^2/NDF:12.1/11

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

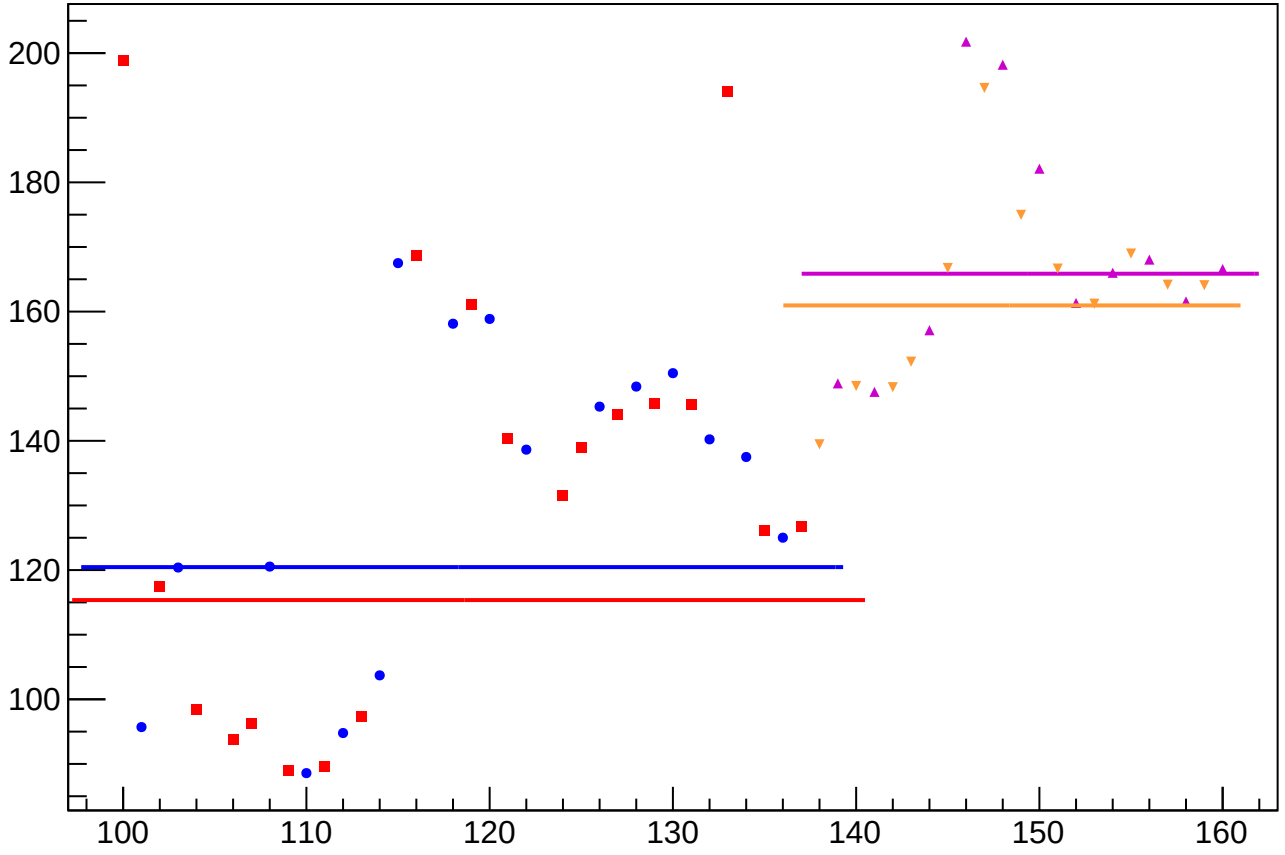
Left In: -333.782+/-53.970 χ^2/NDF:10.4/10

+ sign 111.589+/-34.522 χ^2/NDF: 56.0/27

All: -12.757+/-24.187 χ^2/NDF: 129.1/57

- 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: 160.957+/-0.037 χ^2/NDF:129439.5/11

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

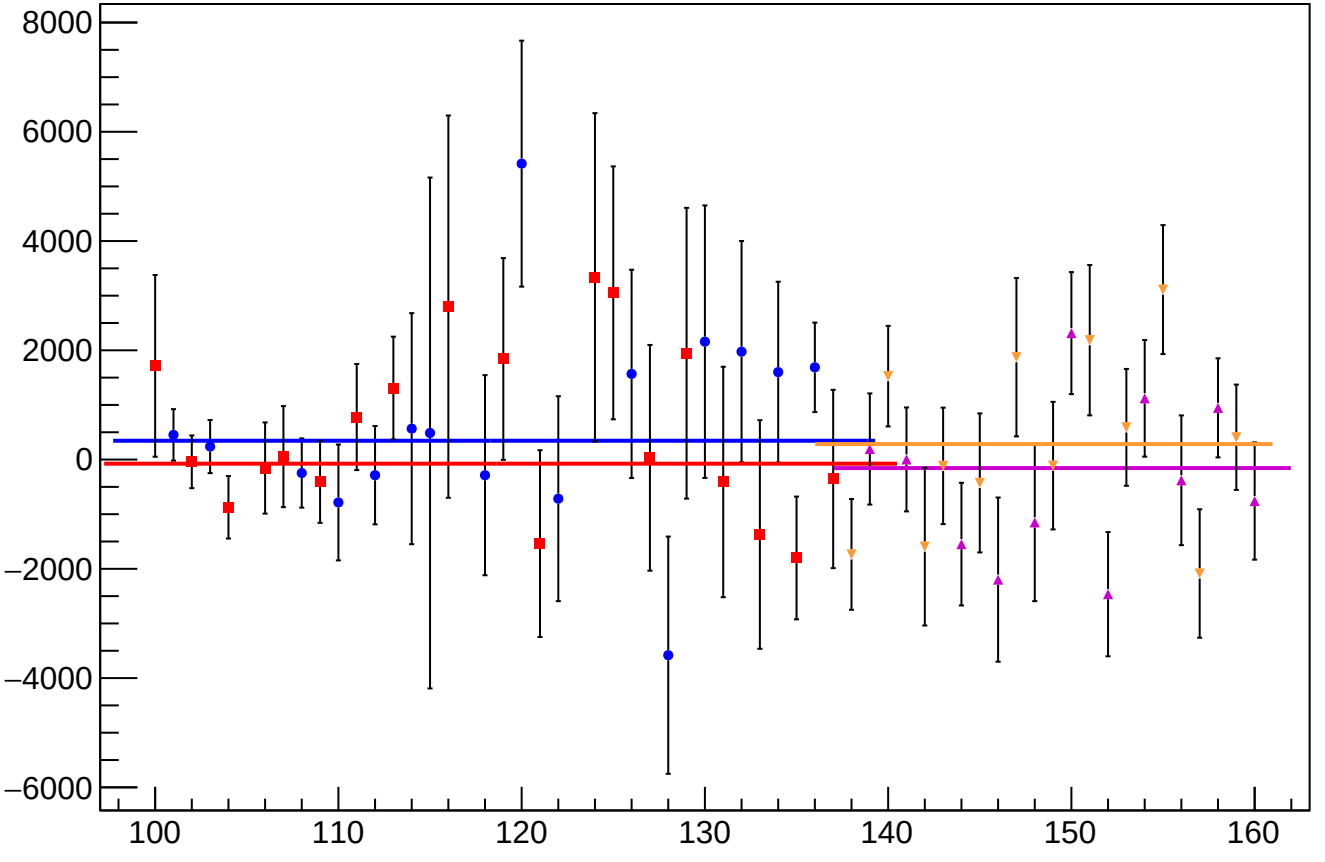
Left In: 165.862+/-0.038 χ^2/NDF:172708.5/10

+ sign 138.055+/-0.024 χ^2/NDF: 1336069.6/27

All: 136.643+/-0.017 χ^2/NDF: 3343092.8/57

- 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: 283.237+/-328.649 χ^2/NDF:21.1/11

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

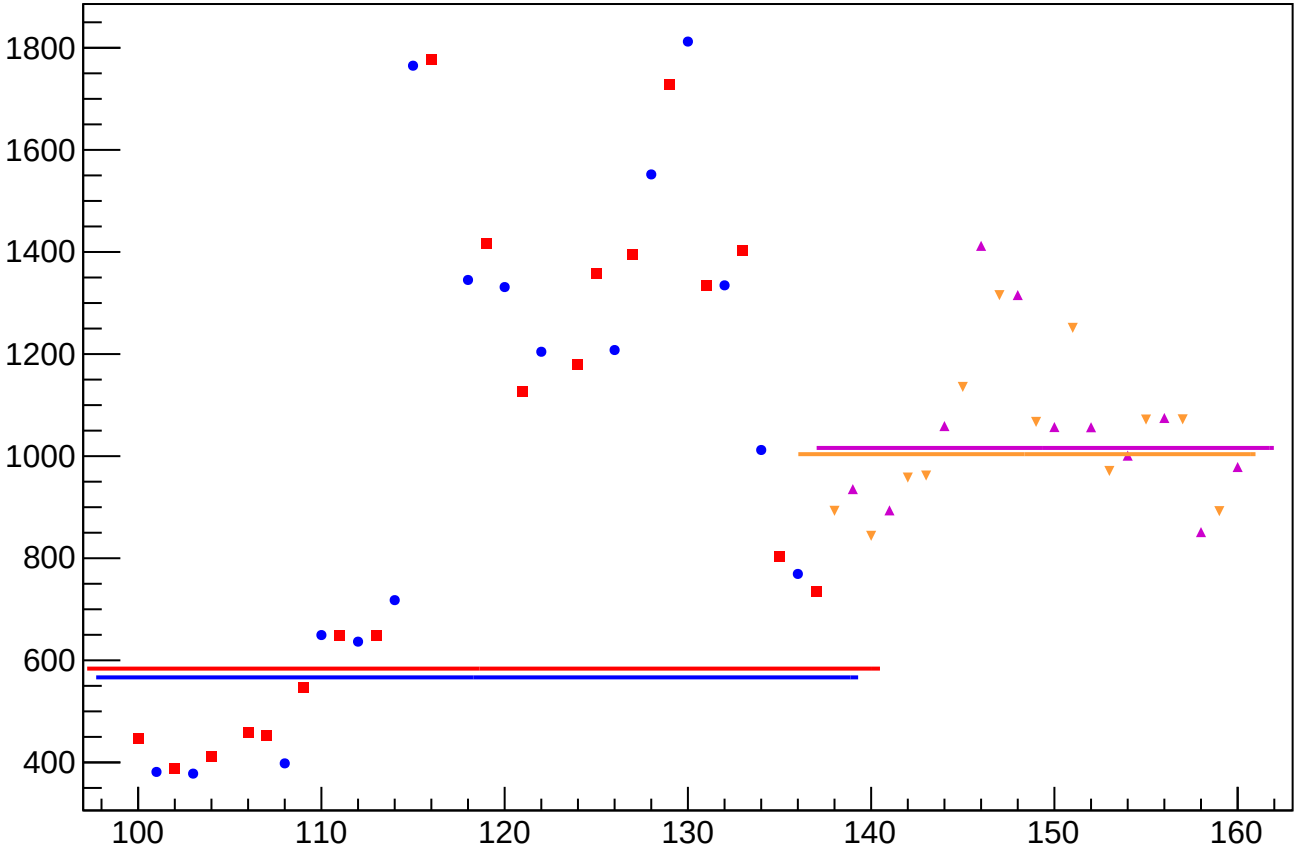
Left In: -155.653+/-332.700 χ^2/NDF:16.3/10

\+ sign 322.974+/-194.625 χ^2/NDF: 37.3/27

All: 110.303+/-137.717 χ^2/NDF: 71.3/57

\- 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: 1003.911+/-0.232 χ^2/NDF:315898.3/11

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

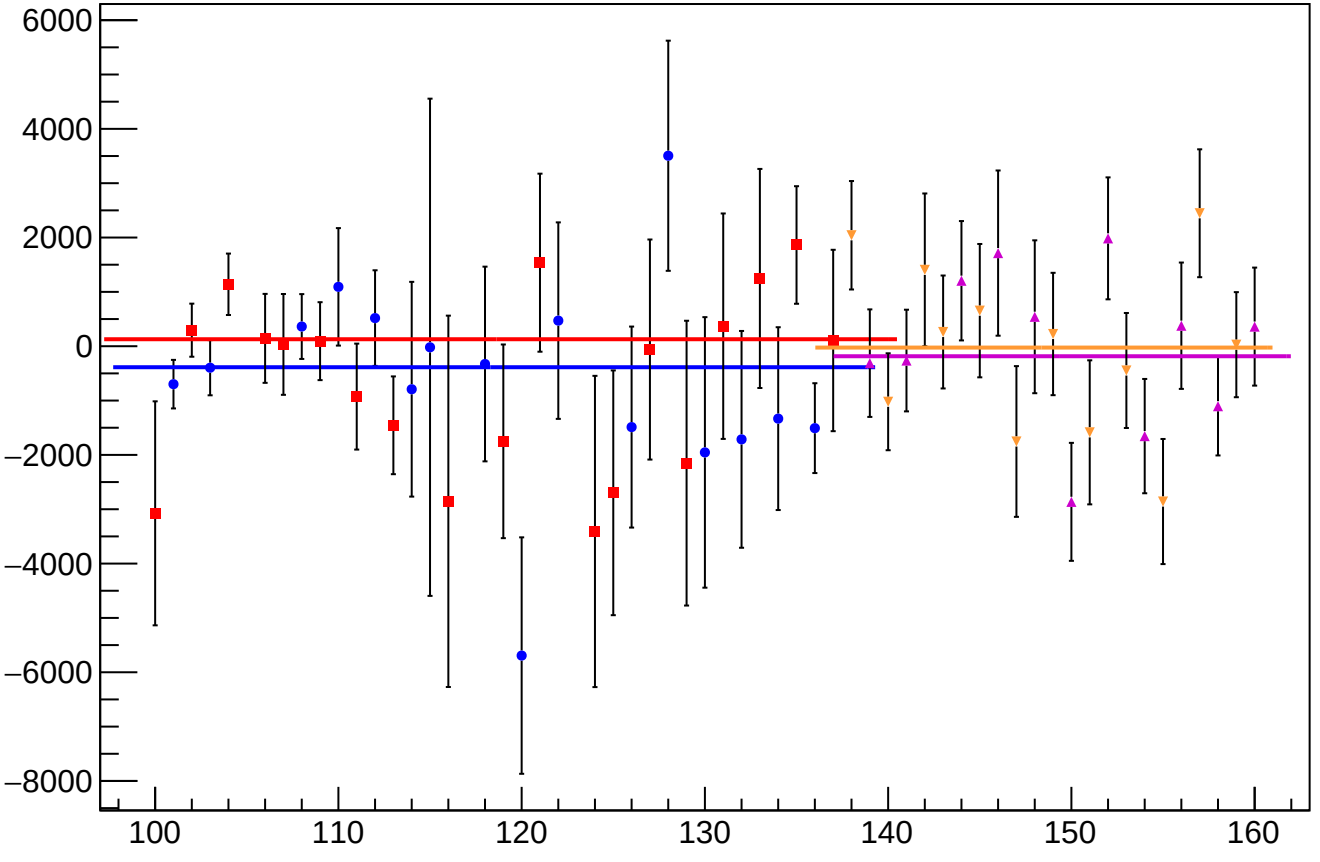
Left In: 1016.103+/-0.235 χ^2/NDF:352705.0/10

+ sign 719.965+/-0.138 χ^2/NDF: 6047608.3/27

All: 726.048+/-0.097 χ^2/NDF: 11729786.9/57

- 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: -24.892+/-321.489 χ^2/NDF:20.6/11

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

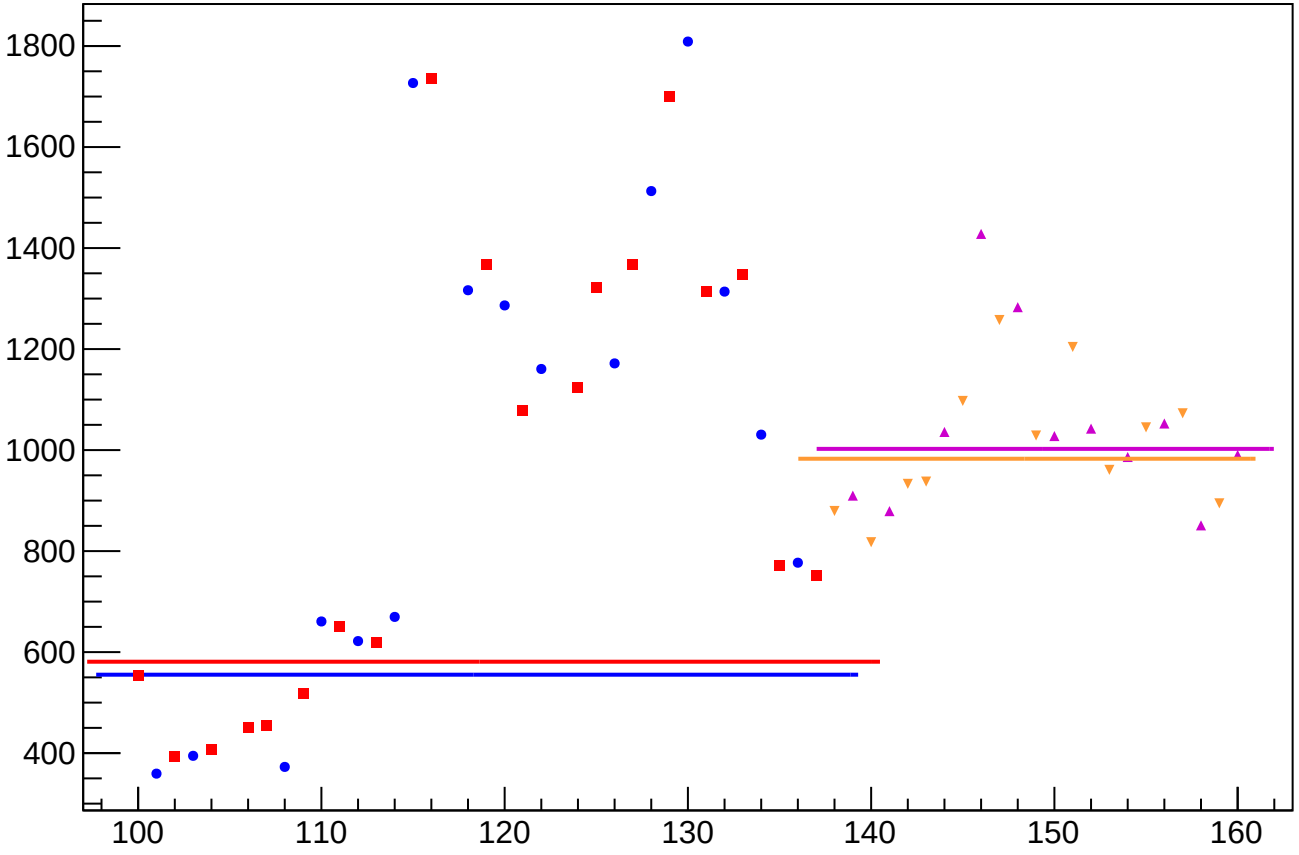
Left In: -184.444+/-328.213 χ^2/NDF:16.7/10

+ sign -258.826+/-191.039 χ^2/NDF: 39.3/27

All: -120.413+/-135.704 χ^2/NDF: 77.1/57

- 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: 982.884+/-0.227 χ^2/NDF:286520.2/11

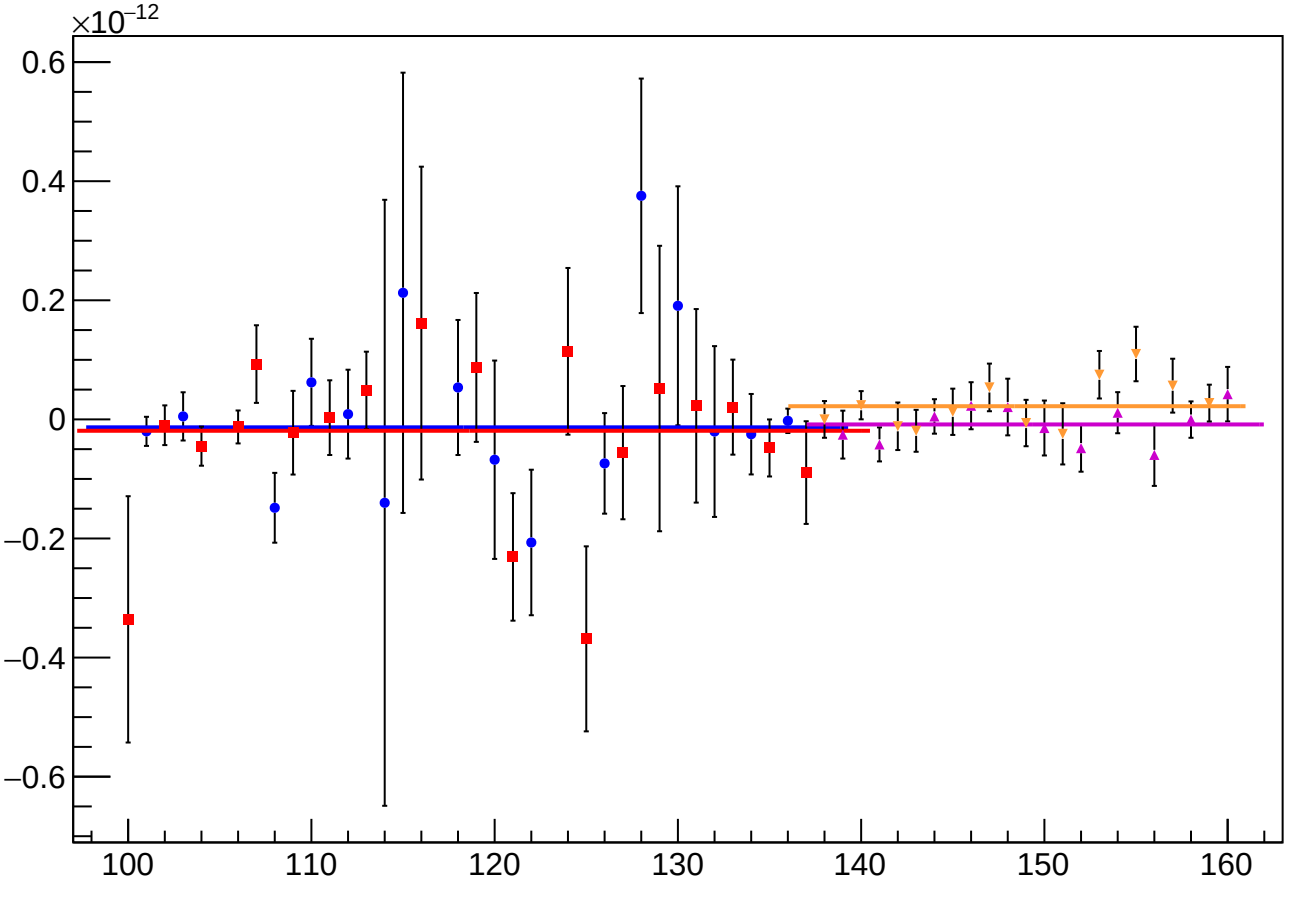
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1002.415+/-0.232 χ^2/NDF:354397.7/10

+ sign 706.280+/-0.135 χ^2/NDF: 6057733.2/27

All: 716.256+/-0.096 χ^2/NDF: 11566134.2/57

- 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:10.7/11

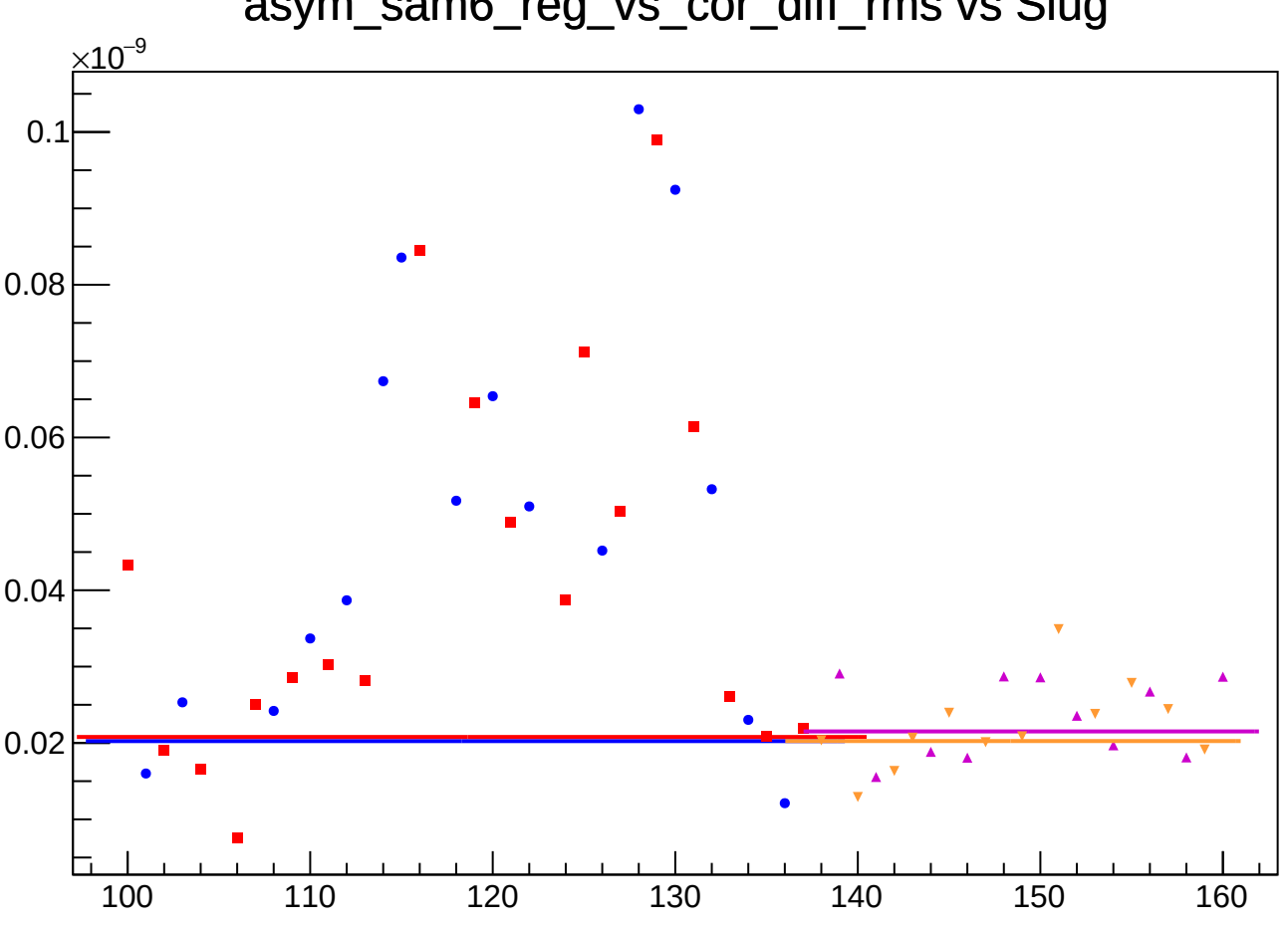
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 31.1/27

All: -0.000+/-0.000 χ^2/NDF: 60.9/57

- 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:483174.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

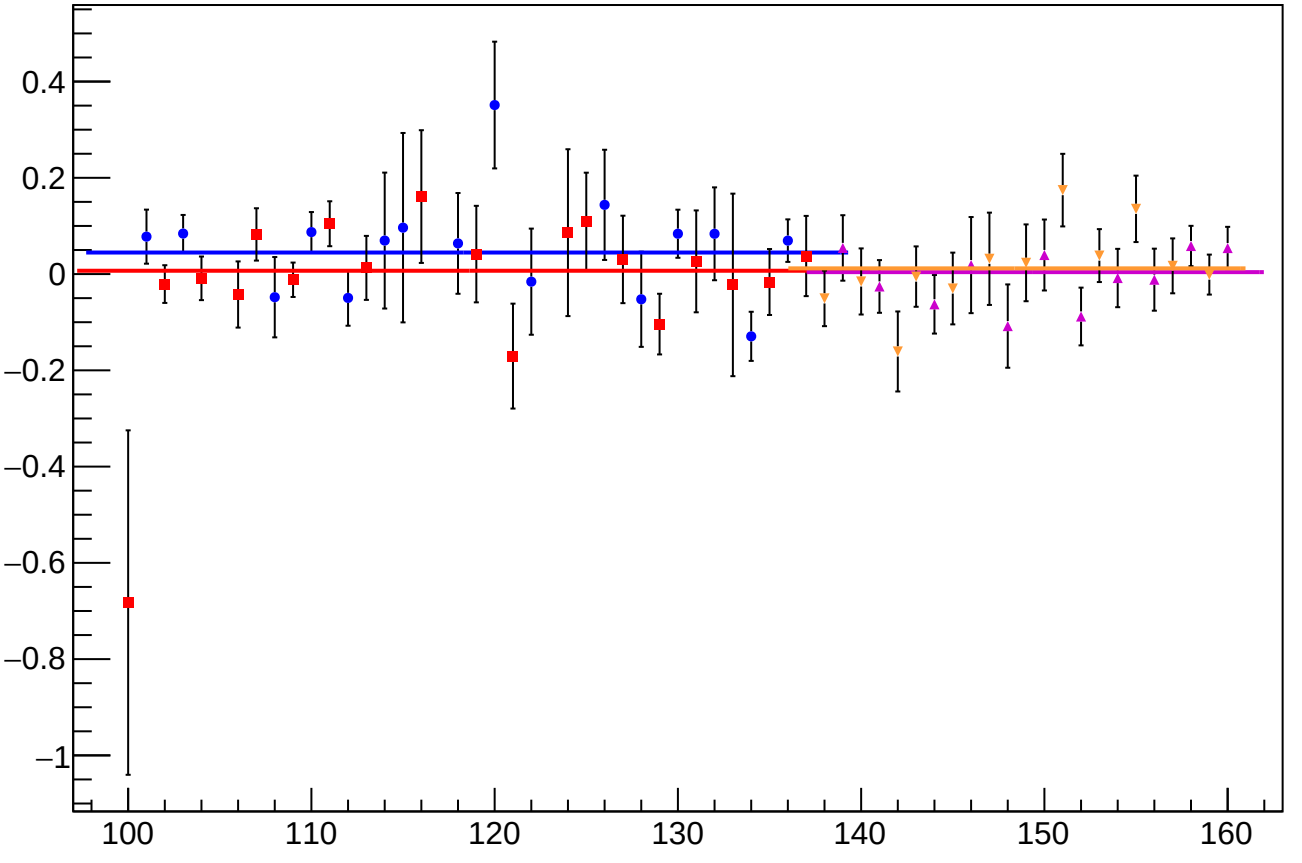
Left In: 0.000+/-0.000 χ^2/NDF:388241.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 2487853.1/27

All: 0.000+/-0.000 χ^2/NDF: 4748789.2/57

- 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: 0.012+/-0.018 χ^2/NDF:14.3/11

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

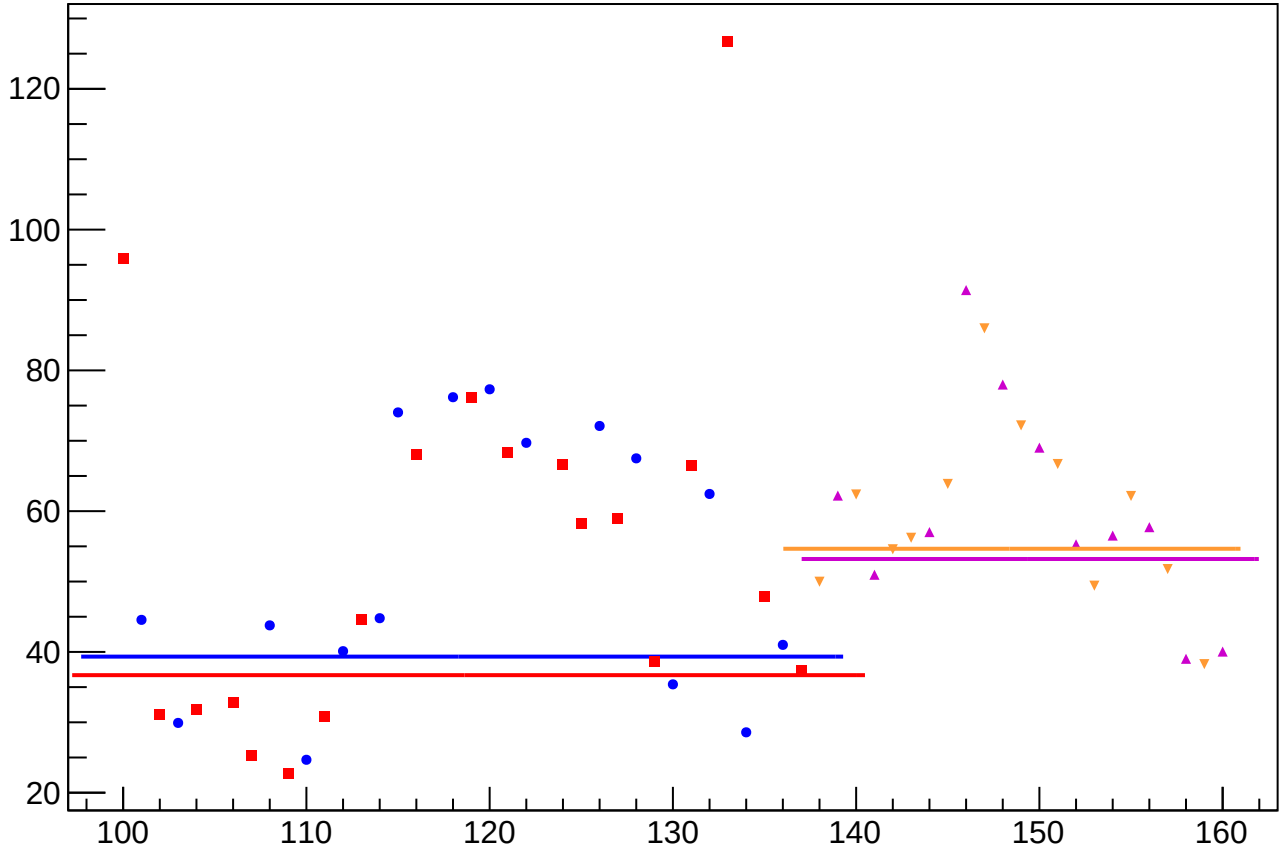
Left In: 0.004+/-0.018 χ^2/NDF:9.4/10

+ sign 0.031+/-0.012 χ^2/NDF: 42.7/27

All: 0.018+/-0.008 χ^2/NDF: 74.5/57

- 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: 54.658+/-0.013 χ^2/NDF:789468.3/11

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

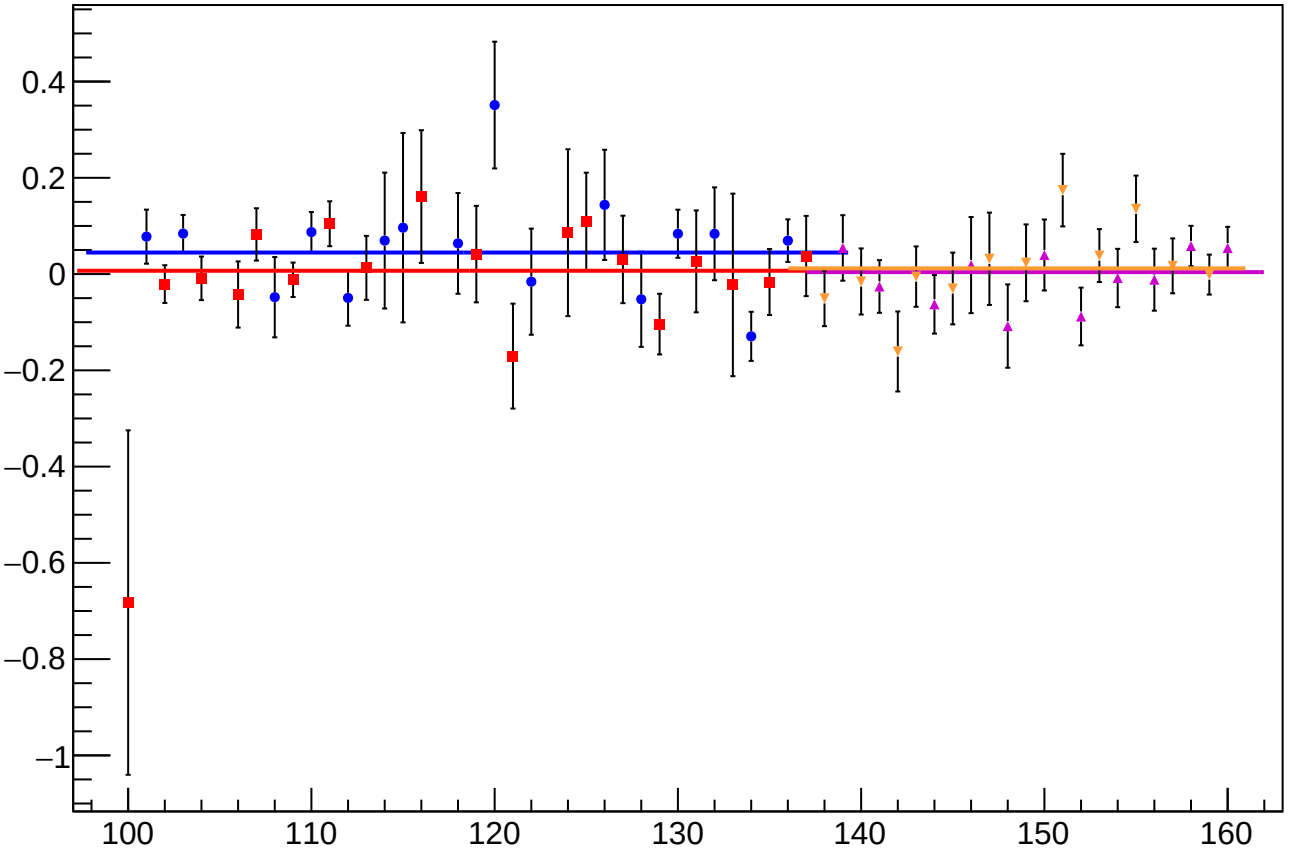
Left In: 53.203+/-0.013 χ^2/NDF:1021205.9/10

+ sign 45.951+/-0.009 χ^2/NDF: 3145968.7/27

All: 44.702+/-0.006 χ^2/NDF: 7296432.1/57

- sign 43.559+/-0.008 χ^2/NDF: 4109476.3/29

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.012+/-0.018 χ^2/NDF:14.3/11

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

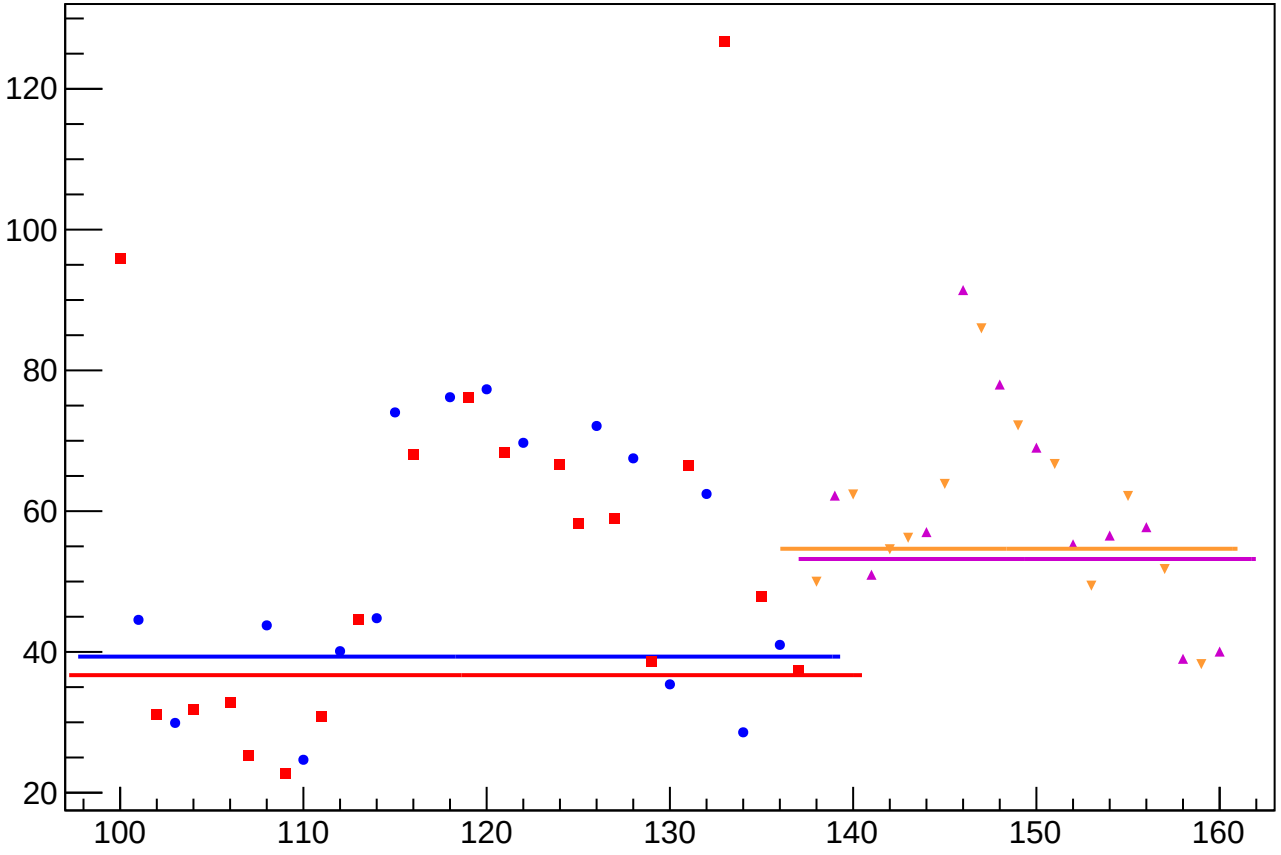
Left In: 0.004+/-0.018 χ^2/NDF:9.4/10

+ sign 0.031+/-0.012 χ^2/NDF: 42.7/27

All: 0.018+/-0.008 χ^2/NDF: 74.5/57

- 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: 54.658+/-0.013 χ^2/NDF:789468.3/11

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

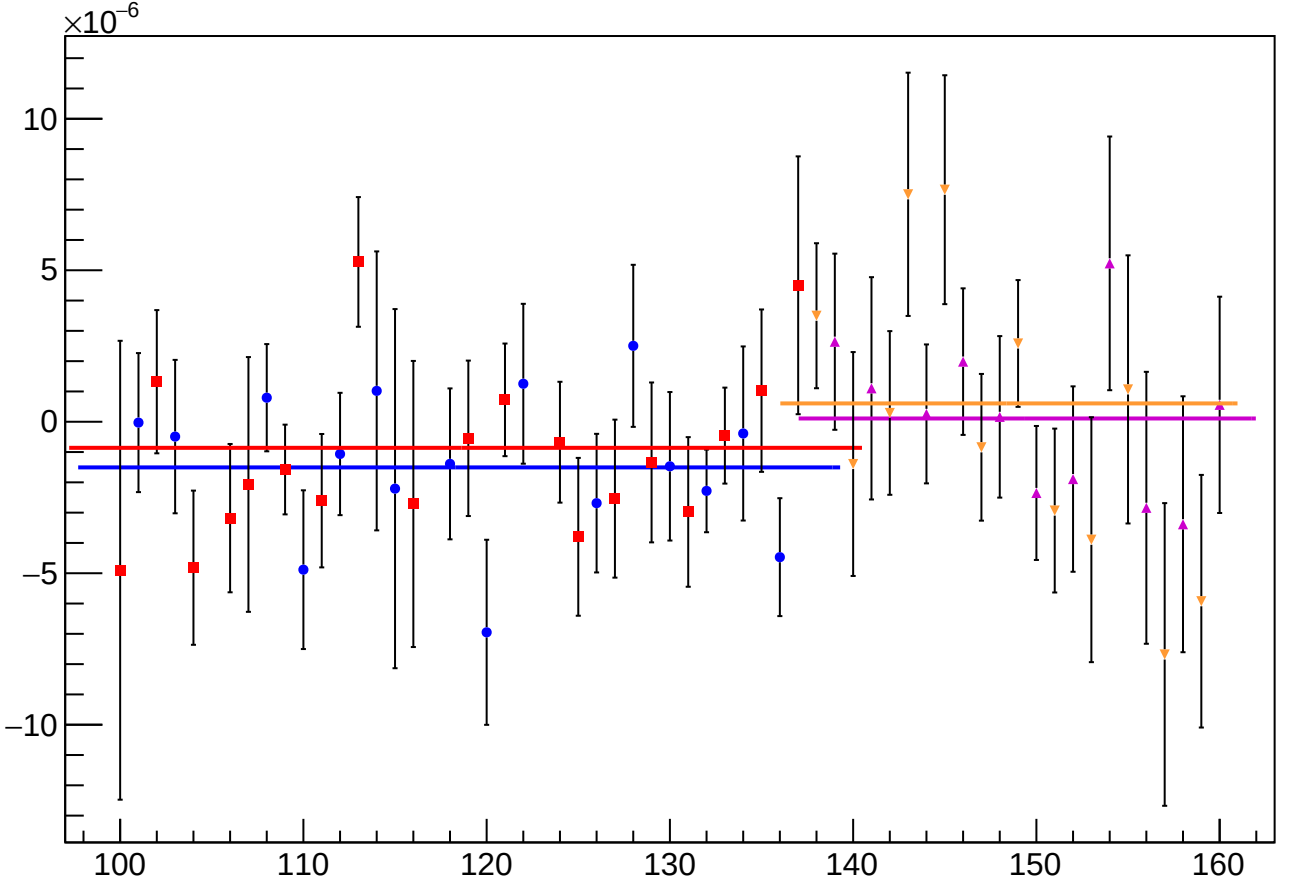
Left In: 53.203+/-0.013 χ^2/NDF:1021205.9/10

+ sign 45.951+/-0.009 χ^2/NDF: 3145968.7/27

All: 44.702+/-0.006 χ^2/NDF: 7296432.1/57

- sign 43.559+/-0.008 χ^2/NDF: 4109476.3/29

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

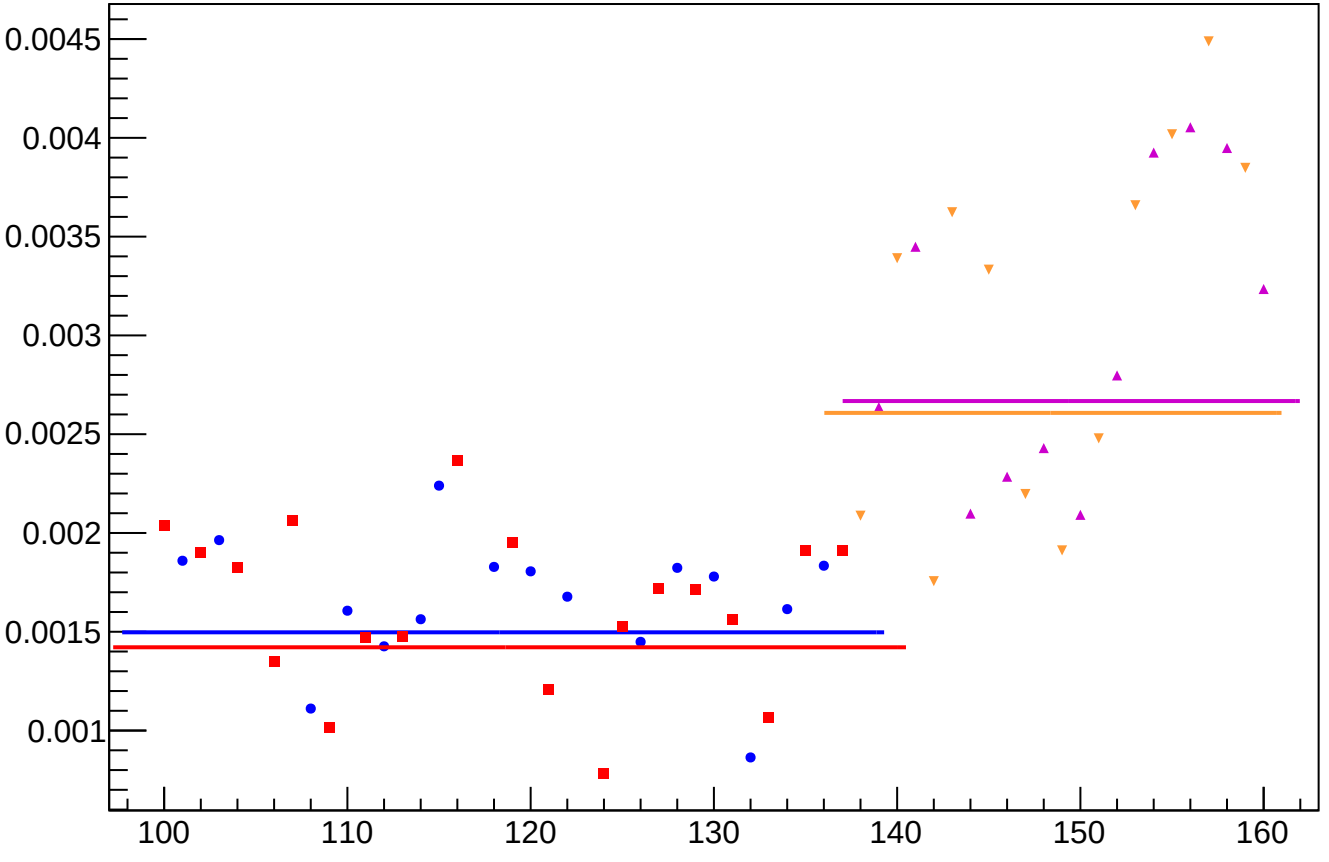
Left In: 0.000+/-0.000 χ^2/NDF:5.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.4/27

All: -0.000+/-0.000 χ^2/NDF: 61.3/57

- sign -0.000+/-0.000 χ^2/NDF: 25.7/29

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:1666861.6/11

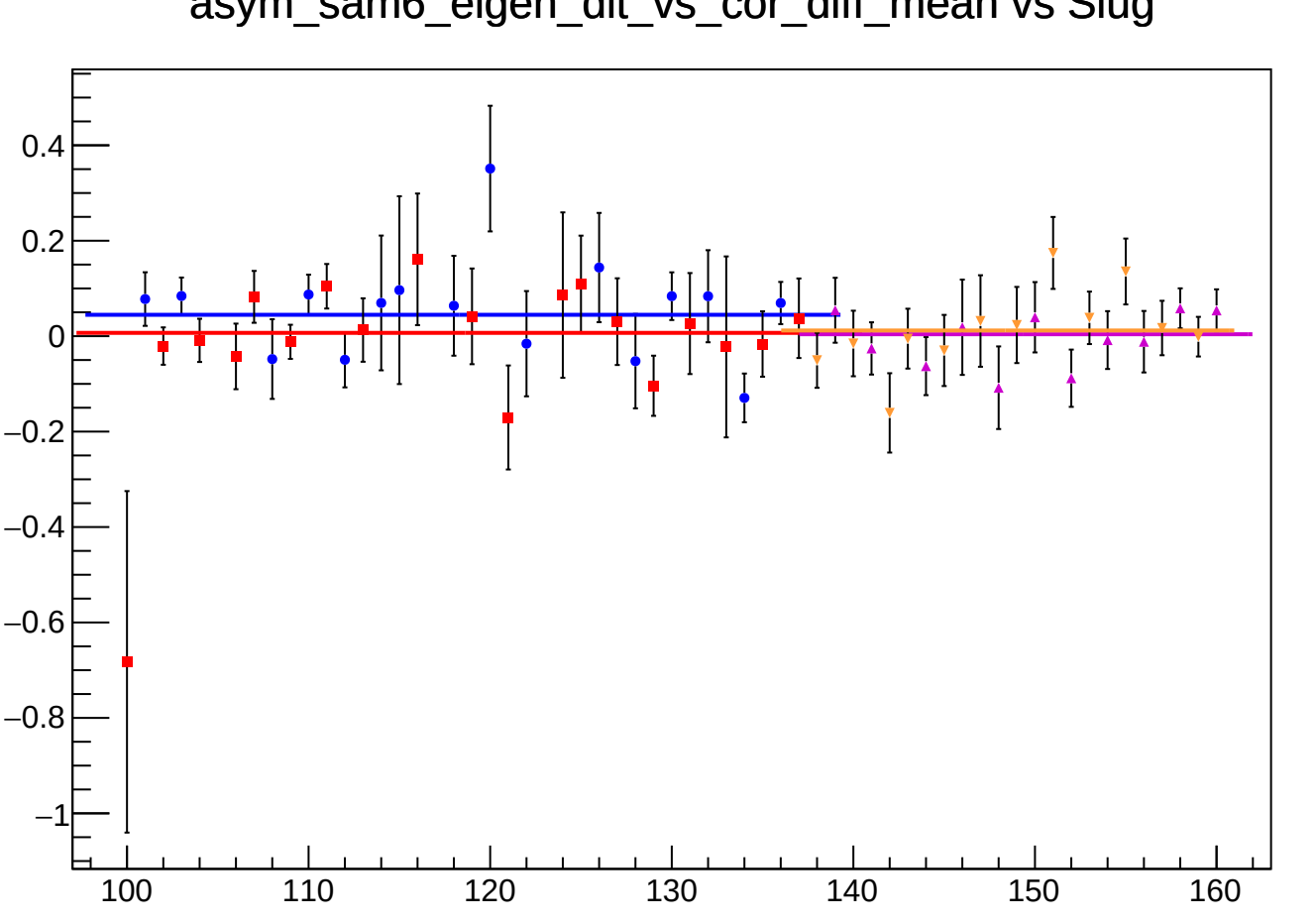
Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1025280.0/10

+ sign 0.002+/-0.000 χ^2/NDF: 4718570.6/27

All: 0.002+/-0.000 χ^2/NDF: 9596815.7/57

- sign 0.002+/-0.000 χ^2/NDF: 4855218.0/29



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.012+/-0.018 χ^2/NDF:14.3/11

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

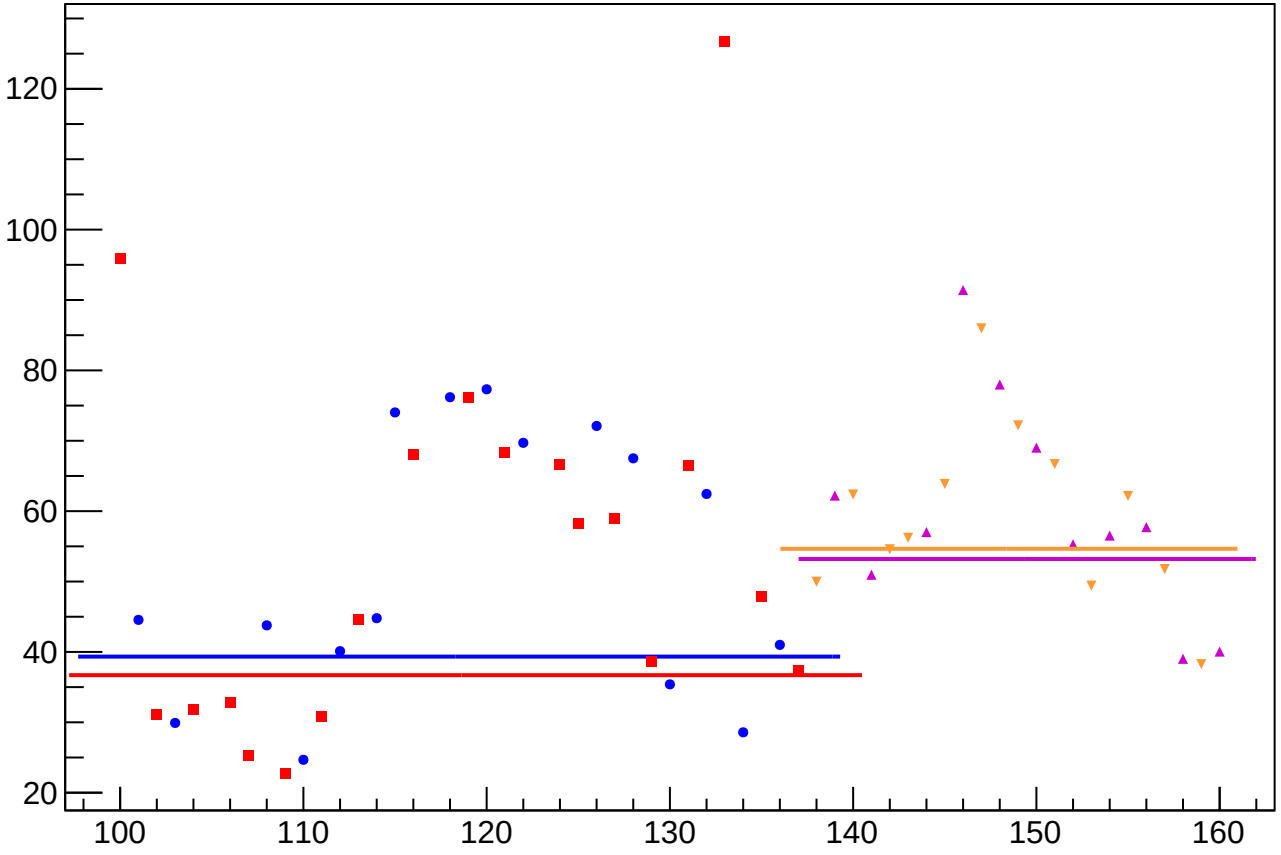
Left In: 0.004+/-0.018 χ^2/NDF:9.4/10

+ sign 0.031+/-0.012 χ^2/NDF: 42.7/27

All: 0.018+/-0.008 χ^2/NDF: 74.5/57

- 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: 54.657+/-0.013 χ^2/NDF:789552.2/11

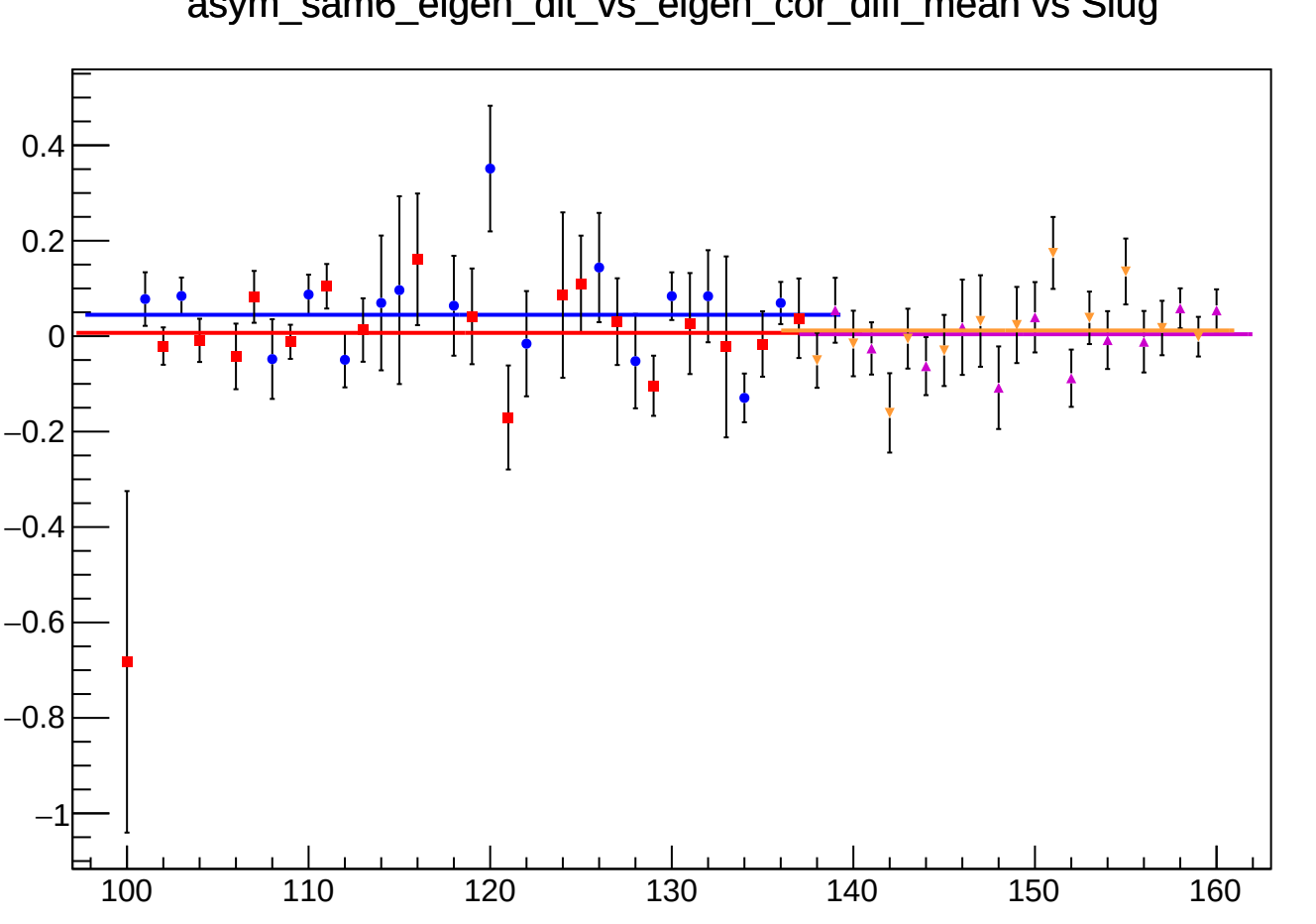
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 53.202+/-0.013 χ^2/NDF:1021328.3/10

+ sign 45.950+/-0.009 χ^2/NDF: 3146033.0/27

All: 44.701+/-0.006 χ^2/NDF: 7296516.8/57

- 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: 0.012+/-0.018 χ^2/NDF:14.3/11

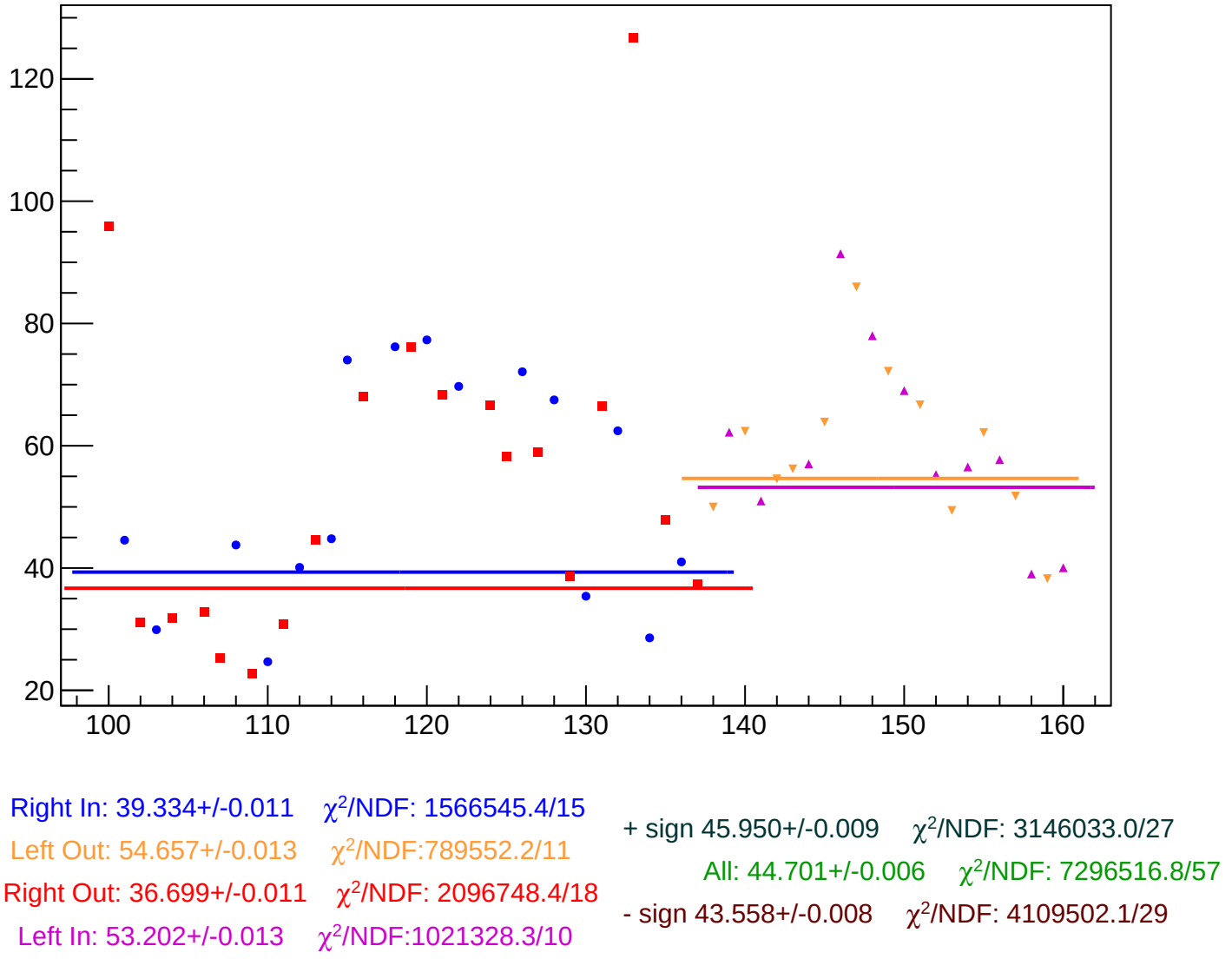
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.004+/-0.018 χ^2/NDF:9.4/10

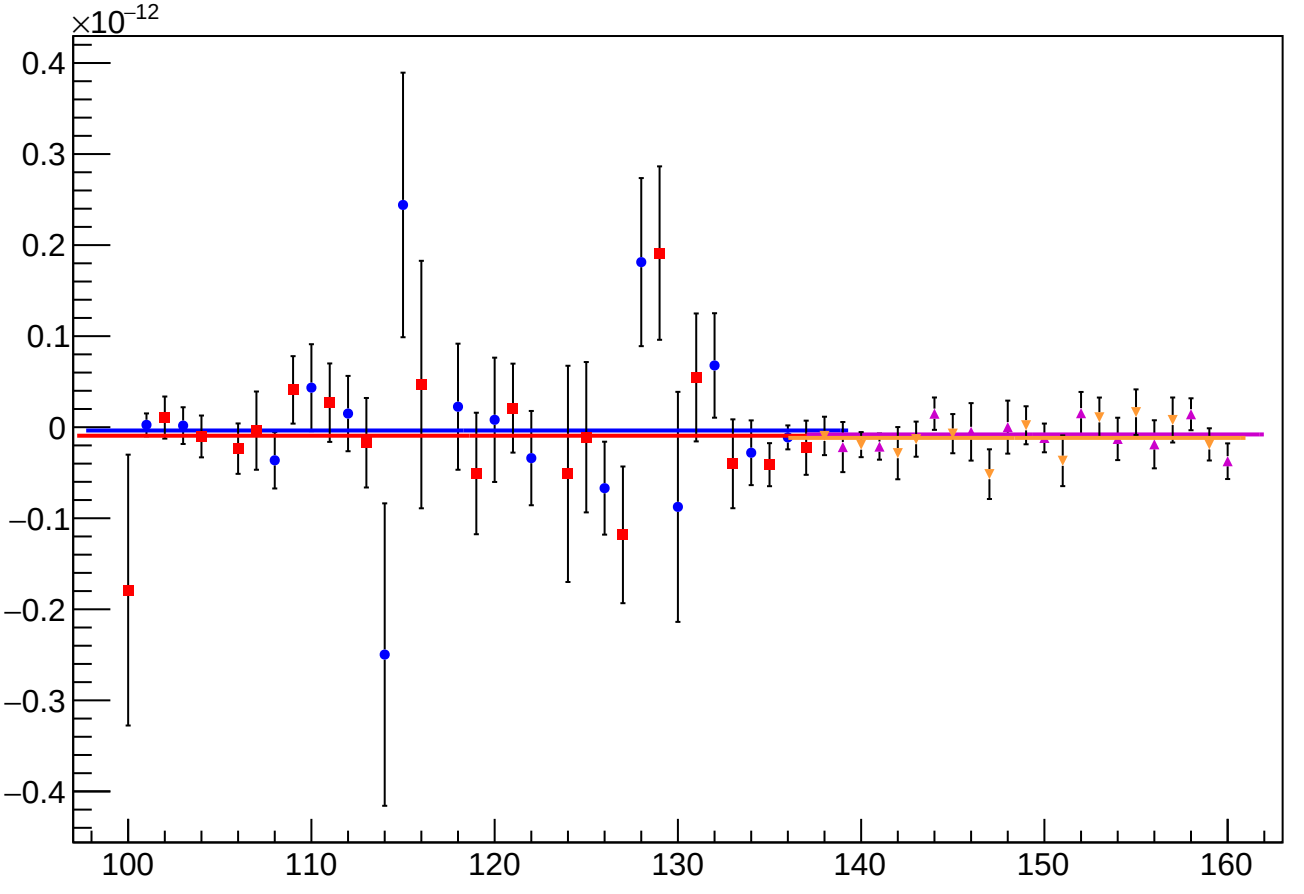
+ sign 0.031+/-0.012 χ^2/NDF: 42.7/27

All: 0.018+/-0.008 χ^2/NDF: 74.5/57

- sign 0.006+/-0.012 χ^2/NDF: 29.6/29


asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug
120
100
80
60
40
20
100
110
120
130
140
150
160
Right In: 39.334+/-0.011 χ²/NDF: 1566545.4/15
Left Out: 54.657+/-0.013 χ²/NDF:789552.2/11
Right Out: 36.699+/-0.011 χ²/NDF: 2096748.4/18
Left In: 53.202+/-0.013 χ²/NDF:1021328.3/10
+ sign 45.950+/-0.009 χ²/NDF: 3146033.0/27
All: 44.701+/-0.006 χ²/NDF: 7296516.8/57
- sign 43.558+/-0.008 χ²/NDF: 4109502.1/29

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.2/11

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

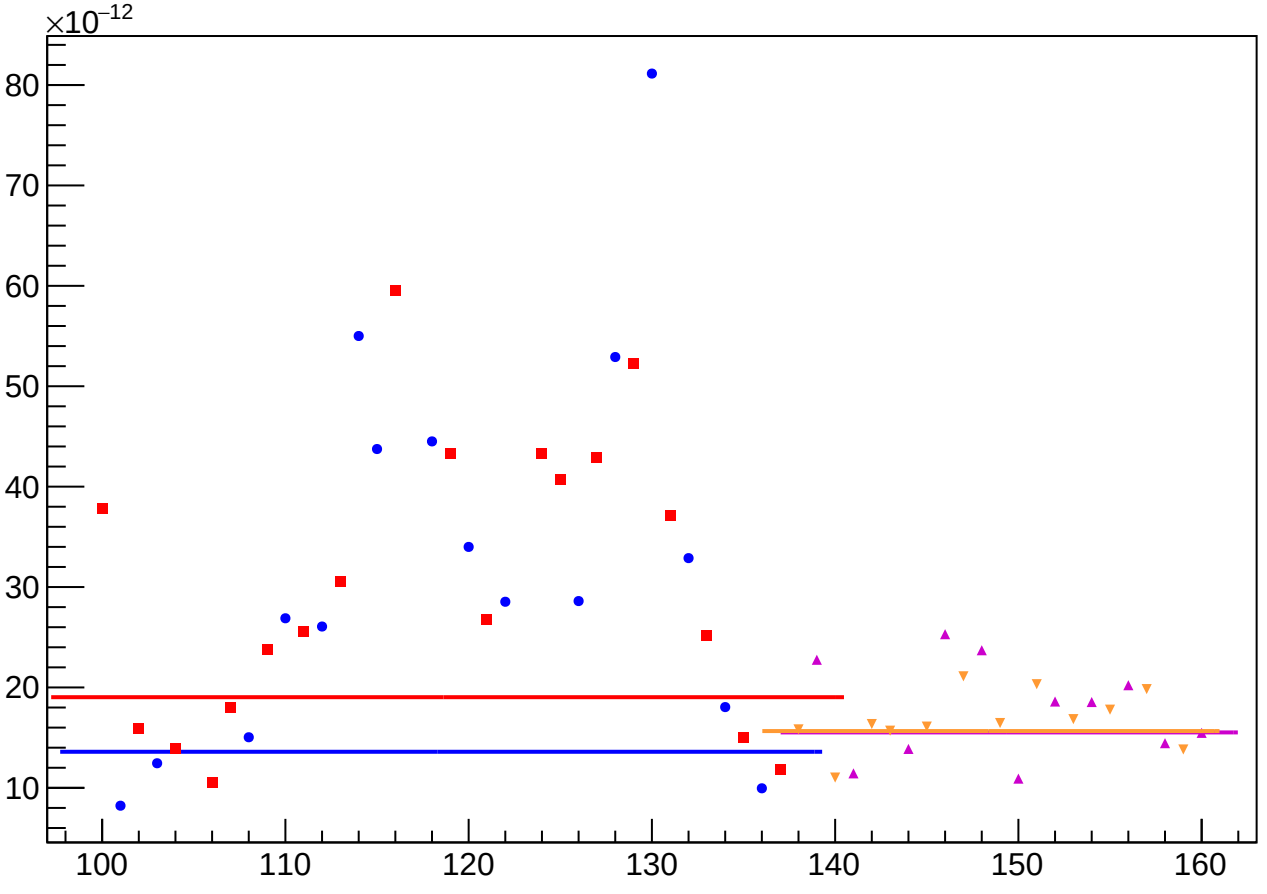
Left In: -0.000+/-0.000 χ^2/NDF:8.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/27

All: -0.000+/-0.000 χ^2/NDF: 48.3/57

- 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:466029.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

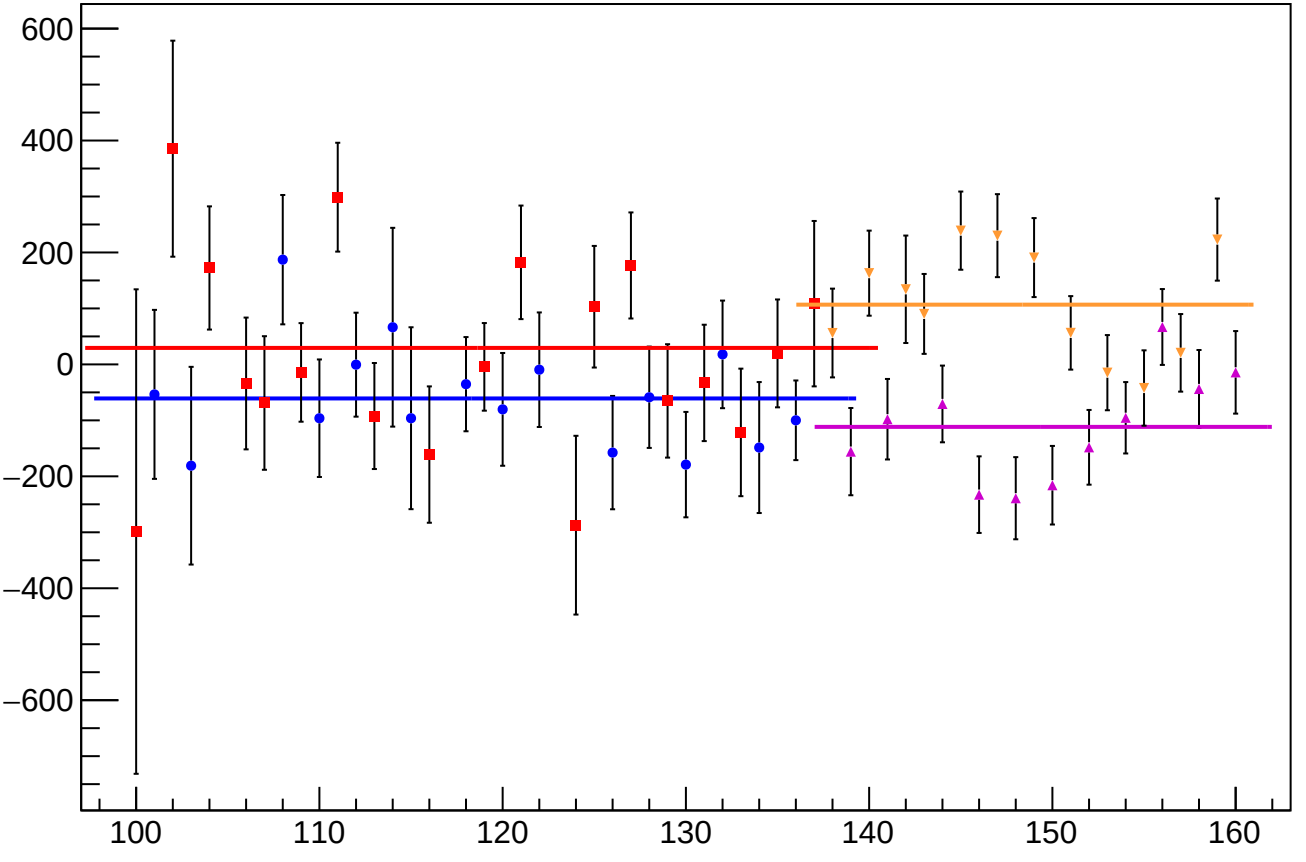
Left In: 0.000+/-0.000 χ^2/NDF:976350.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 3748591.4/27

All: 0.000+/-0.000 χ^2/NDF: 7118107.6/57

- 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: 106.748+/-20.885 χ^2/NDF:21.7/11

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

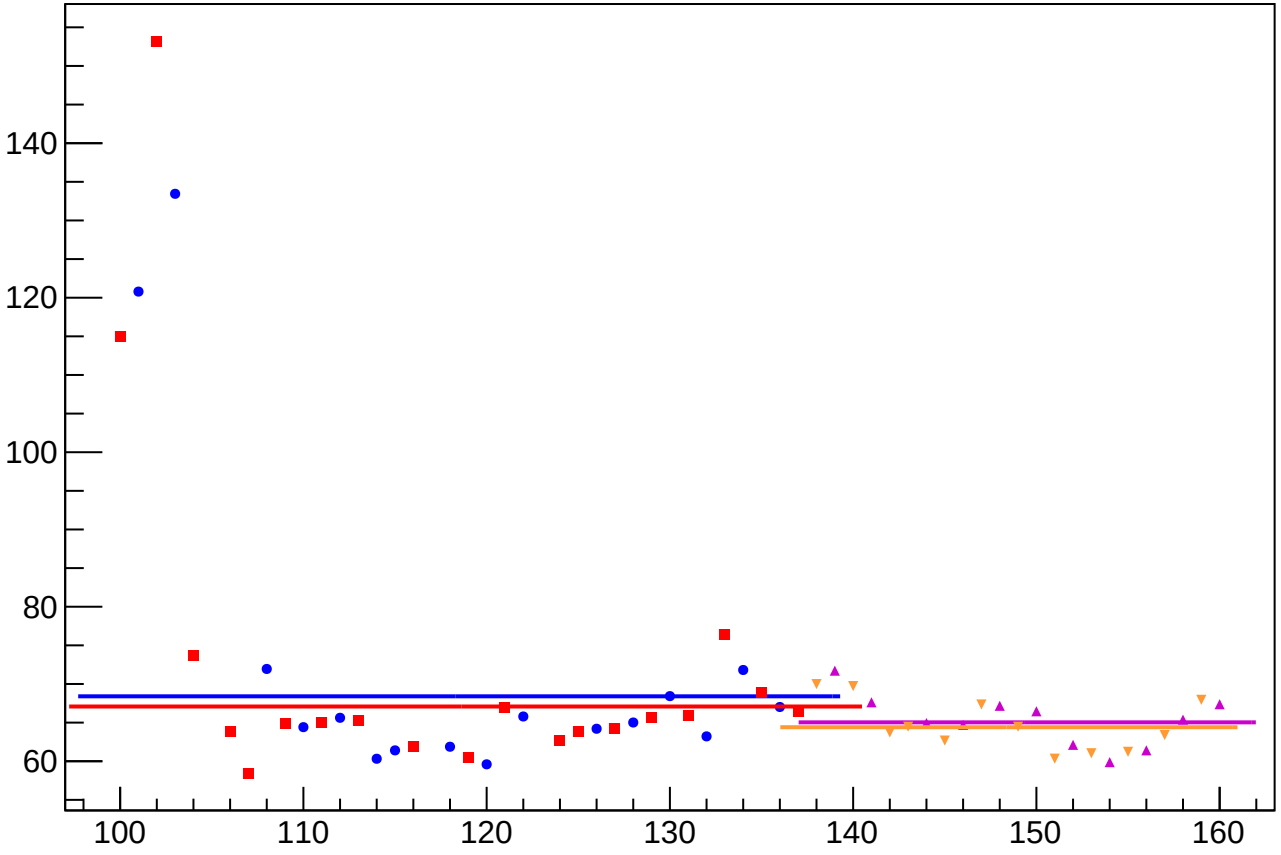
Left In: -111.644+/-21.079 χ^2/NDF:19.1/10

+ sign 41.186+/-16.295 χ^2/NDF: 57.4/27

All: -6.503+/-11.468 χ^2/NDF: 143.2/57

- 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: 64.402+/-0.015 χ^2/NDF:46511.5/11

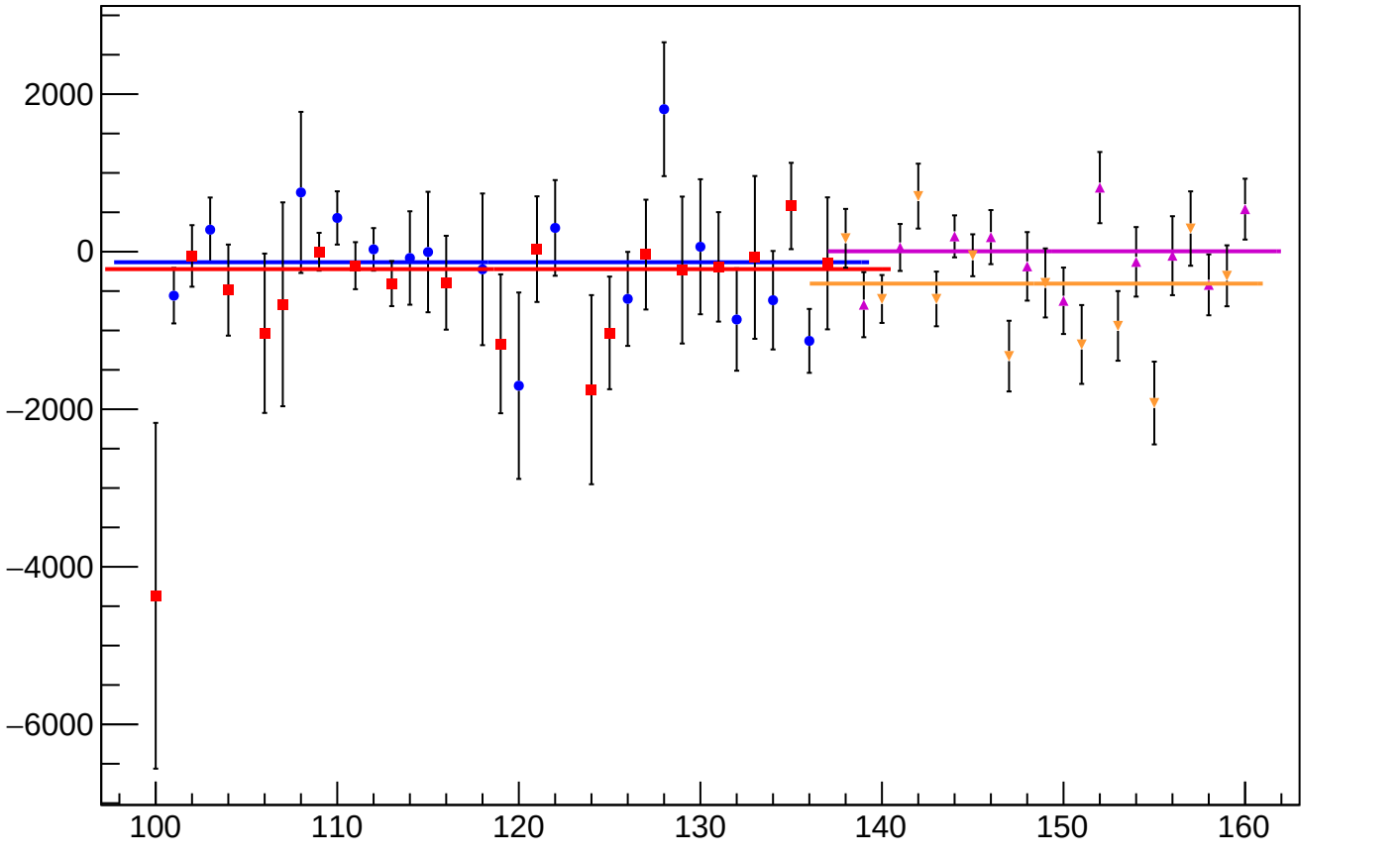
Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 65.033+/-0.015 χ^2/NDF:44556.0/10

+ sign 65.968+/-0.012 χ^2/NDF: 644782.2/27

All: 65.924+/-0.008 χ^2/NDF: 1179021.9/57

- 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: -405.417+/-111.539 χ^2/NDF:30.8/11

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

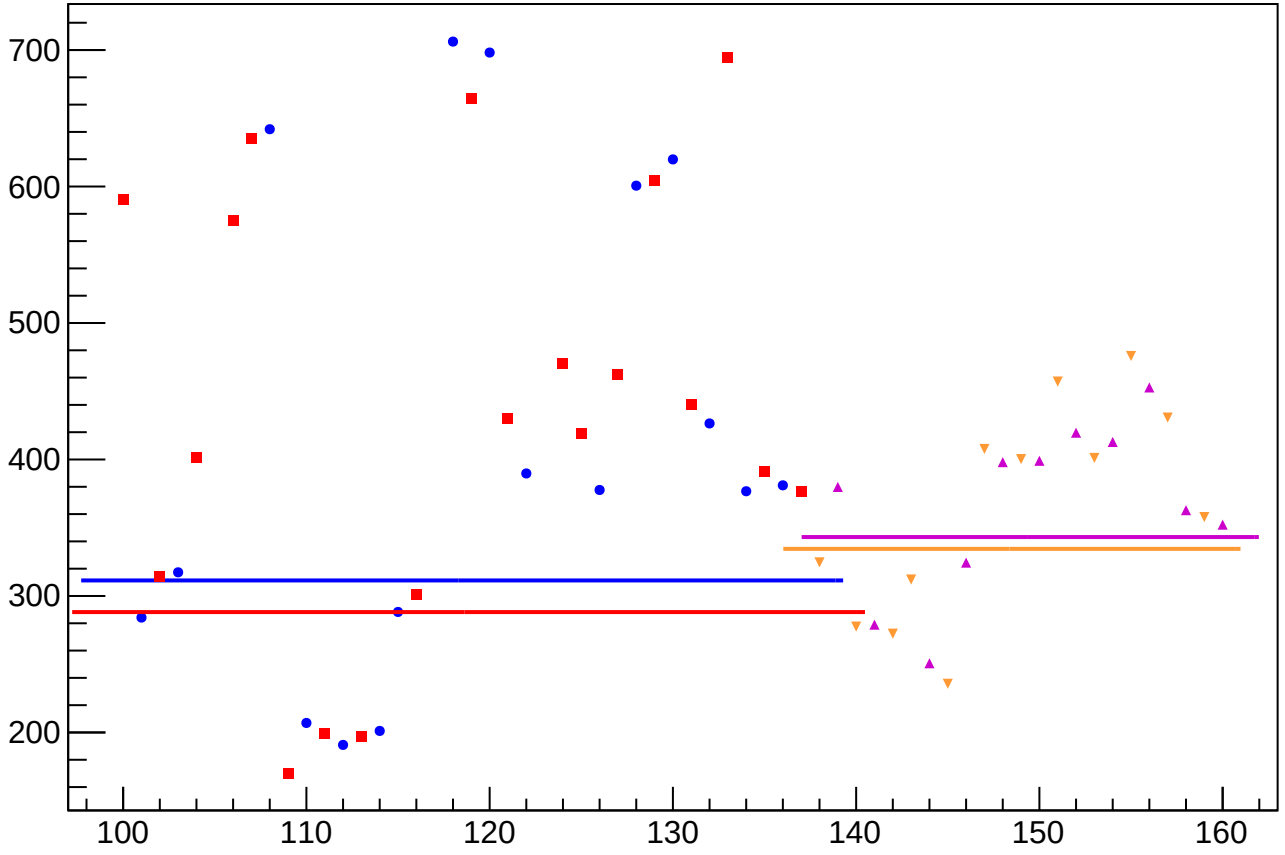
Left In: 5.262+/-113.253 χ^2/NDF:12.3/10

+ sign -285.889+/-83.489 χ^2/NDF: 55.9/27

All: -192.695+/-58.369 χ^2/NDF: 85.2/57

- 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: 334.530+/-0.079 χ^2/NDF:899847.4/11

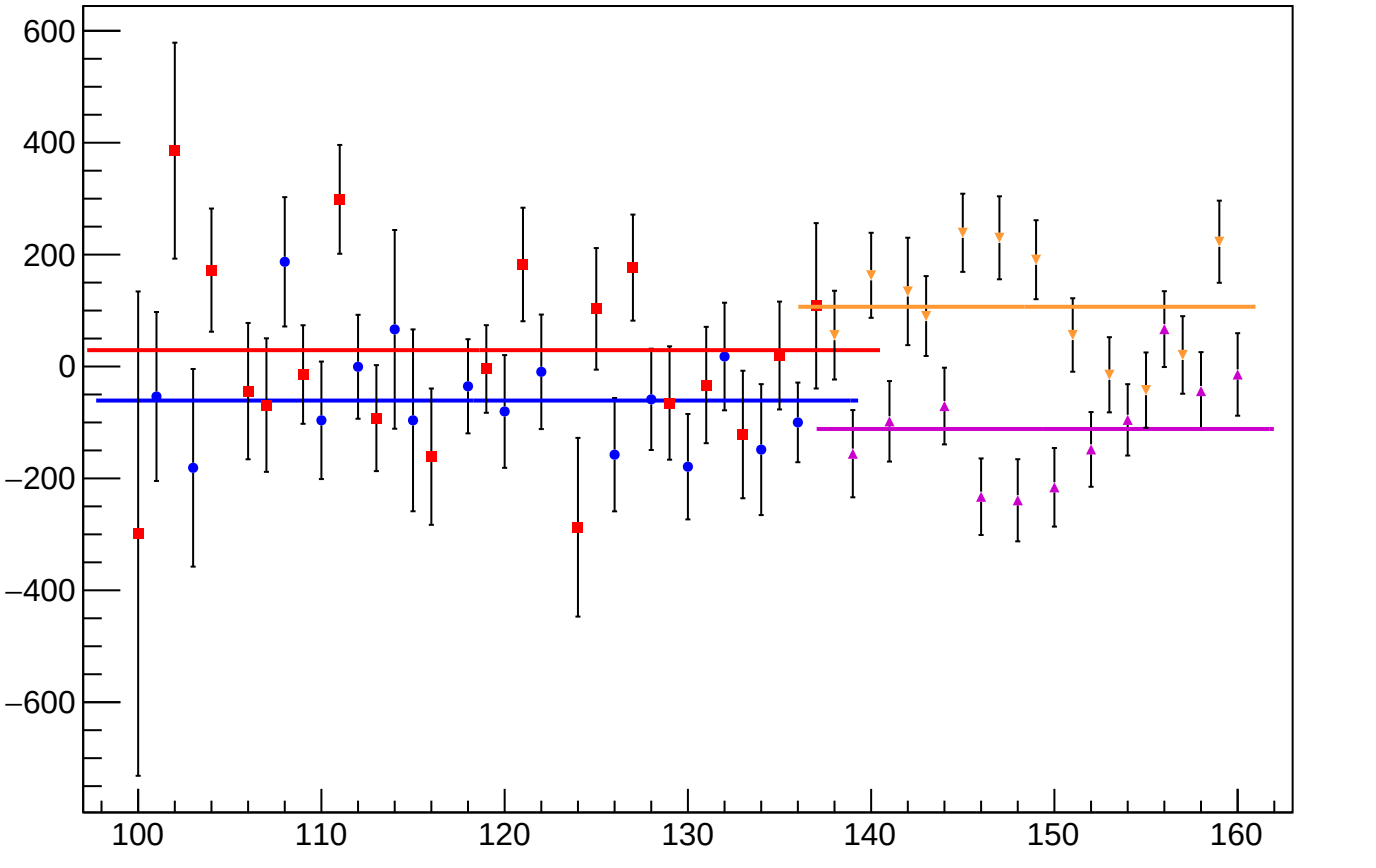
Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 343.176+/-0.080 χ^2/NDF:630947.3/10

+ sign 324.353+/-0.059 χ^2/NDF: 3061508.6/27

All: 320.475+/-0.041 χ^2/NDF: 6642640.6/57

- sign 316.768+/-0.058 χ^2/NDF: 3572692.4/29



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 106.750+/-20.885 χ^2/NDF:21.7/11

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

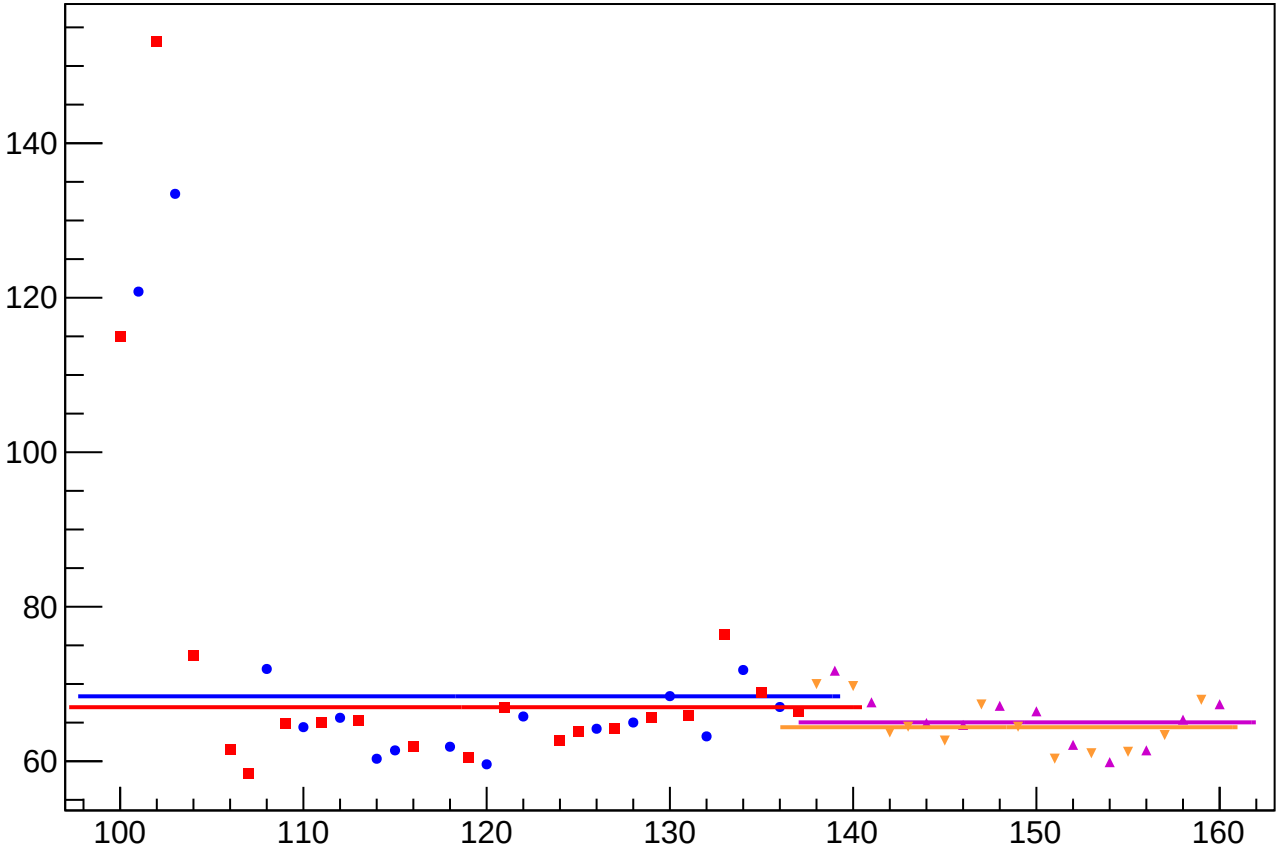
Left In: -111.644+/-21.079 χ^2/NDF:19.1/10

+ sign 41.186+/-16.295 χ^2/NDF: 57.4/27

All: -6.574+/-11.472 χ^2/NDF: 143.2/57

- 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: 64.402+/-0.015 χ^2/NDF:46511.5/11

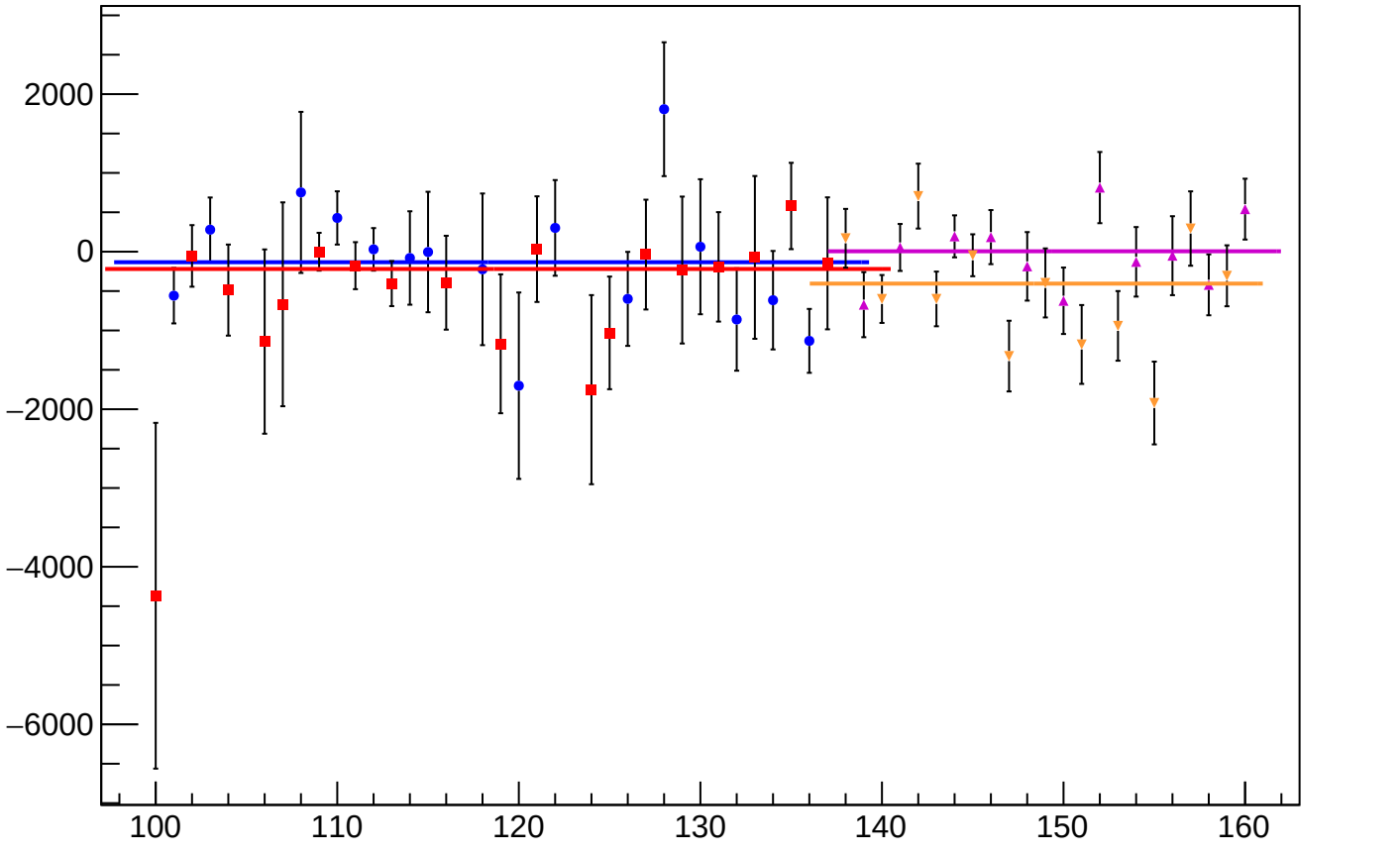
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 65.033+/-0.015 χ^2/NDF:44556.0/10

+ sign 65.968+/-0.012 χ^2/NDF: 644782.6/27

All: 65.905+/-0.008 χ^2/NDF: 1181032.8/57

- 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: -405.416+/-111.539 χ^2/NDF:30.8/11

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

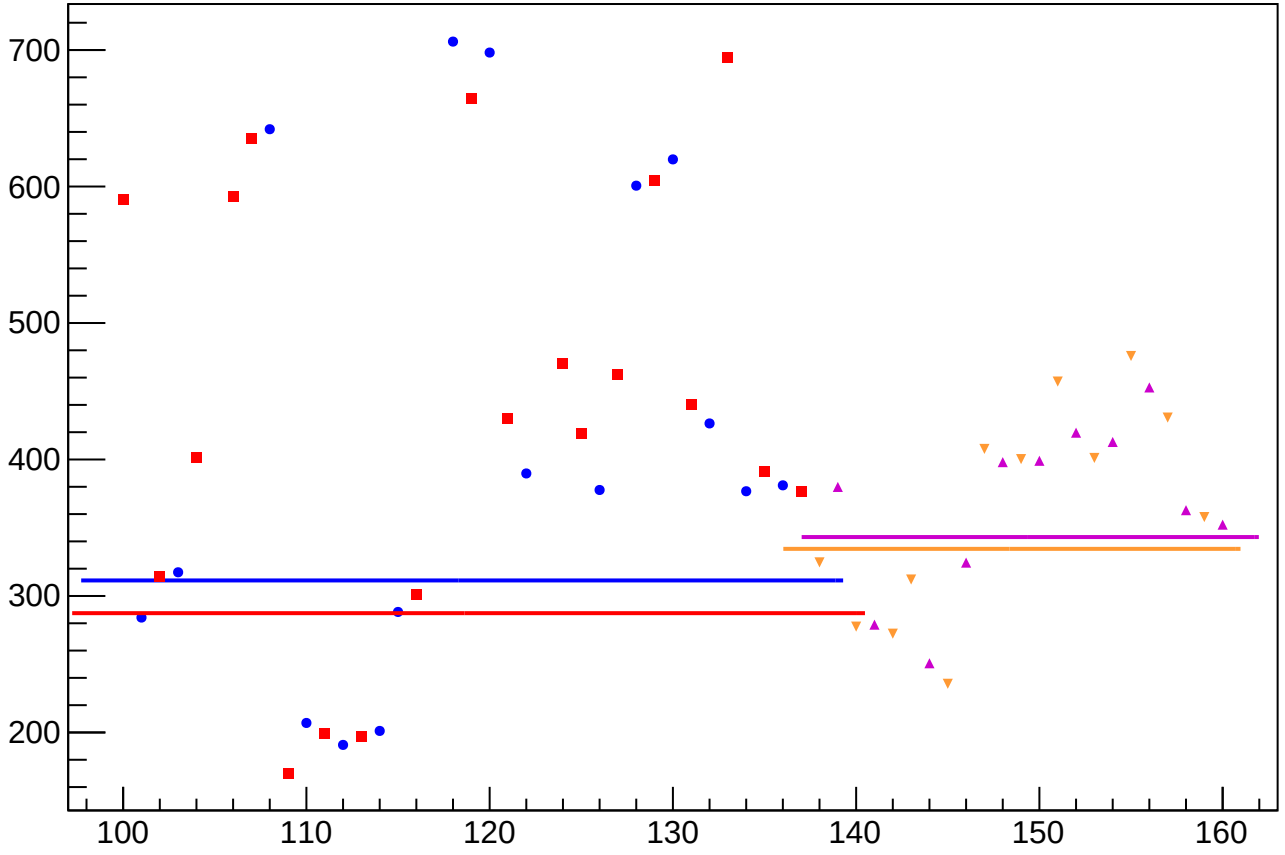
Left In: 5.266+/-113.253 χ^2/NDF:12.3/10

+ sign -285.887+/-83.489 χ^2/NDF: 55.9/27

All: -192.250+/-58.395 χ^2/NDF: 85.1/57

- 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: 334.530+/-0.079 χ^2/NDF:899852.7/11

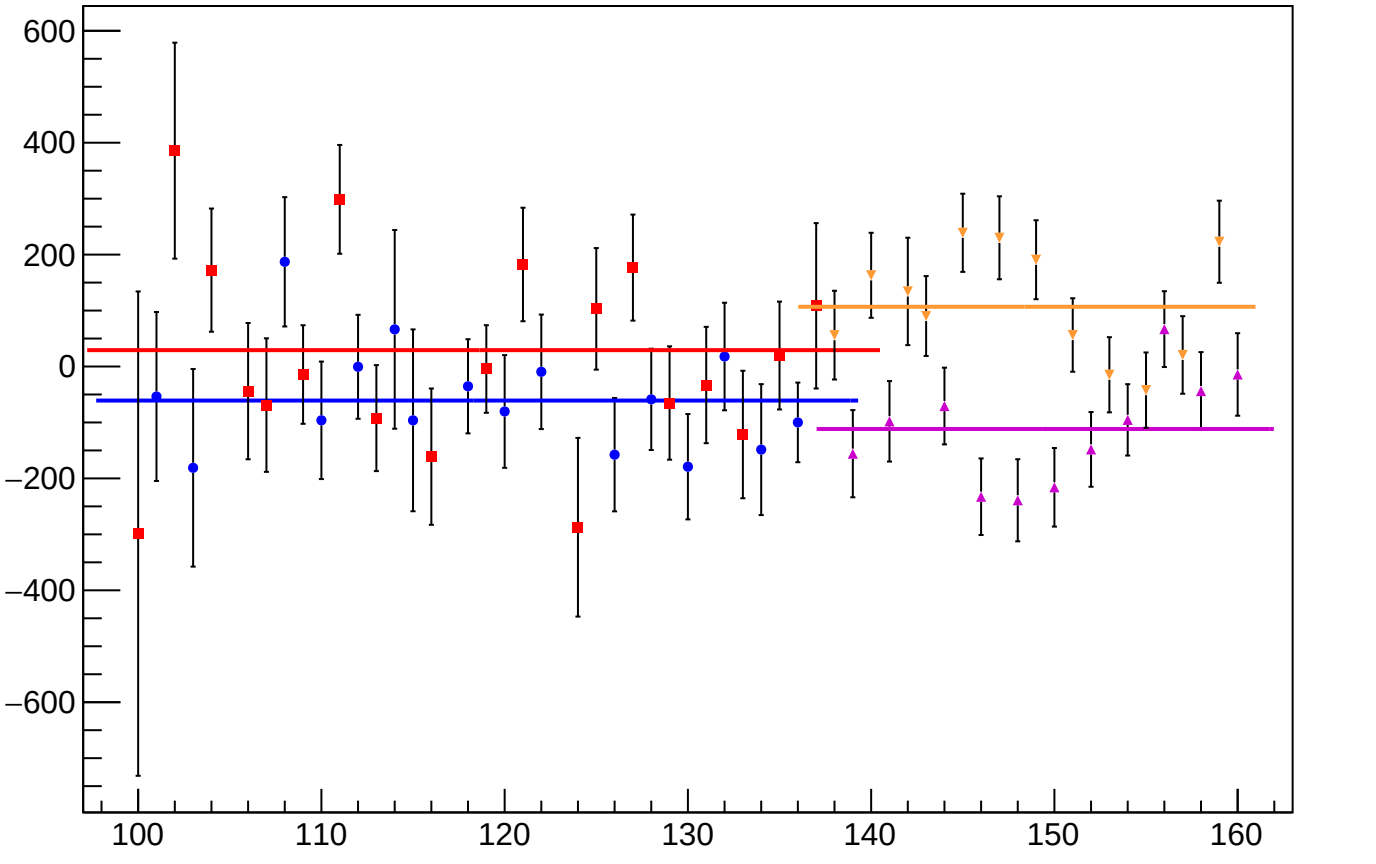
Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 343.176+/-0.080 χ^2/NDF:630944.3/10

+ sign 324.354+/-0.059 χ^2/NDF: 3061508.3/27

All: 320.310+/-0.041 χ^2/NDF: 6624406.8/57

- sign 316.436+/-0.058 χ^2/NDF: 3553711.1/29



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 106.750+/-20.885 χ^2/NDF:21.7/11

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

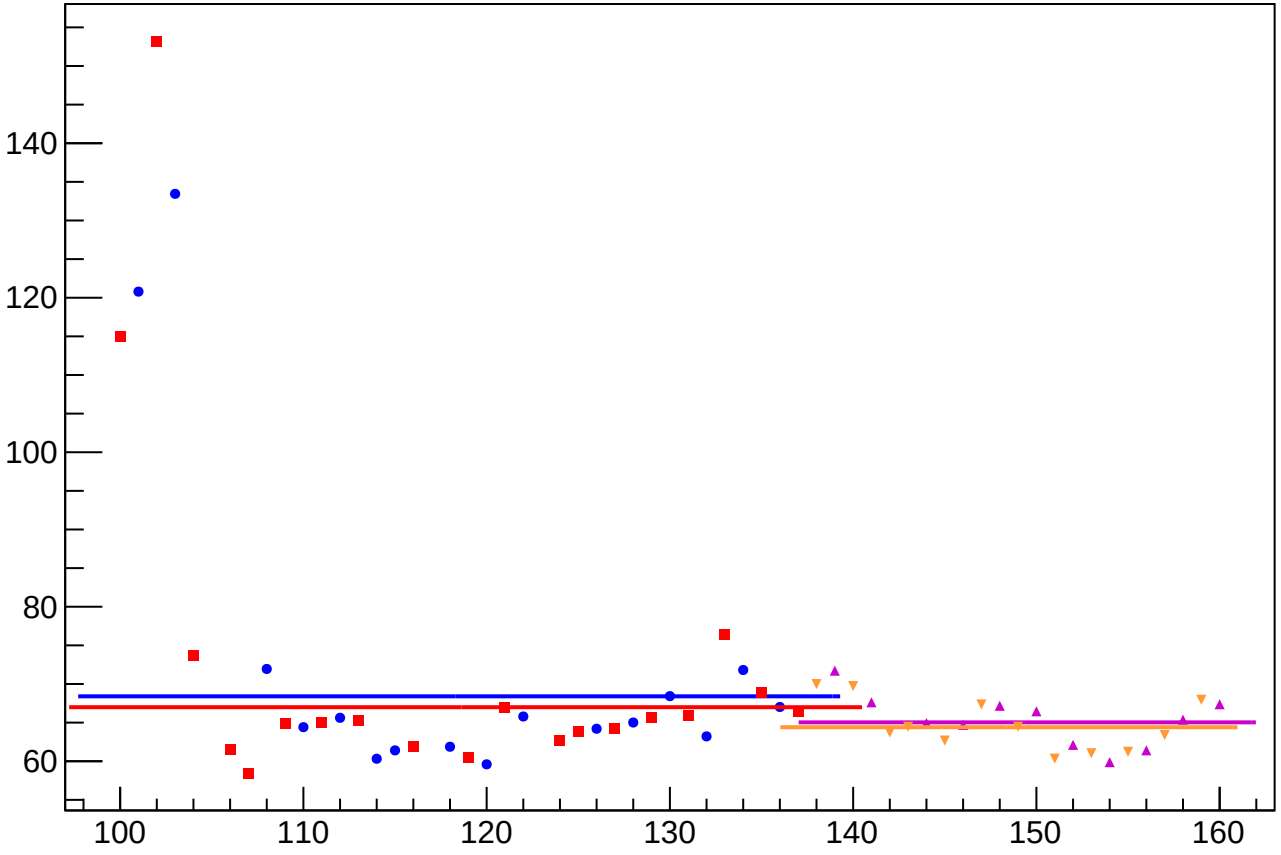
Left In: -111.644+/-21.079 χ^2/NDF:19.1/10

+ sign 41.186+/-16.295 χ^2/NDF: 57.4/27

All: -6.574+/-11.472 χ^2/NDF: 143.2/57

- 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: 64.402+/-0.015 χ^2/NDF:46511.5/11

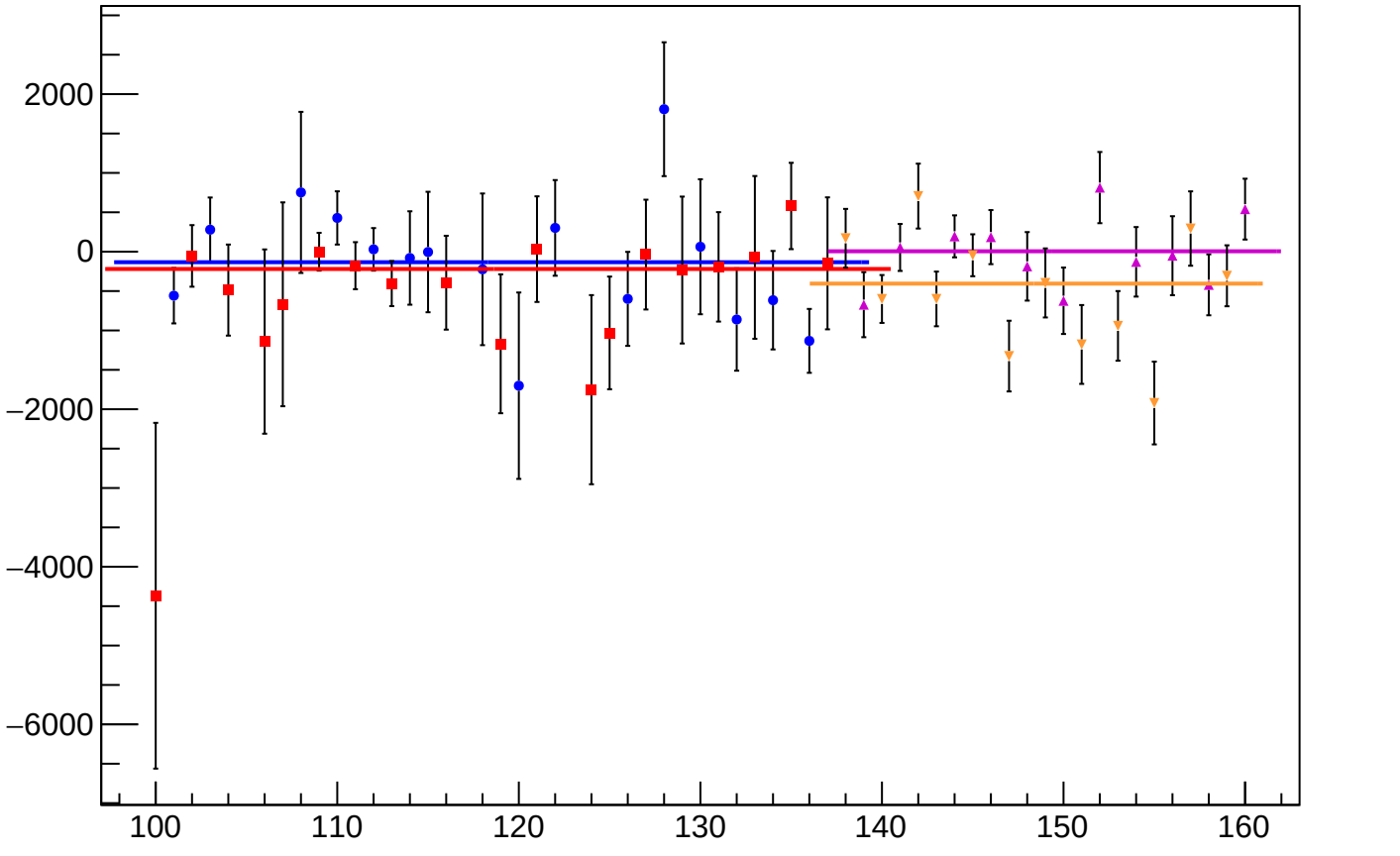
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 65.033+/-0.015 χ^2/NDF:44556.0/10

+ sign 65.968+/-0.012 χ^2/NDF: 644782.6/27

All: 65.905+/-0.008 χ^2/NDF: 1181032.8/57

- 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: -405.416+/-111.539 χ^2/NDF:30.8/11

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

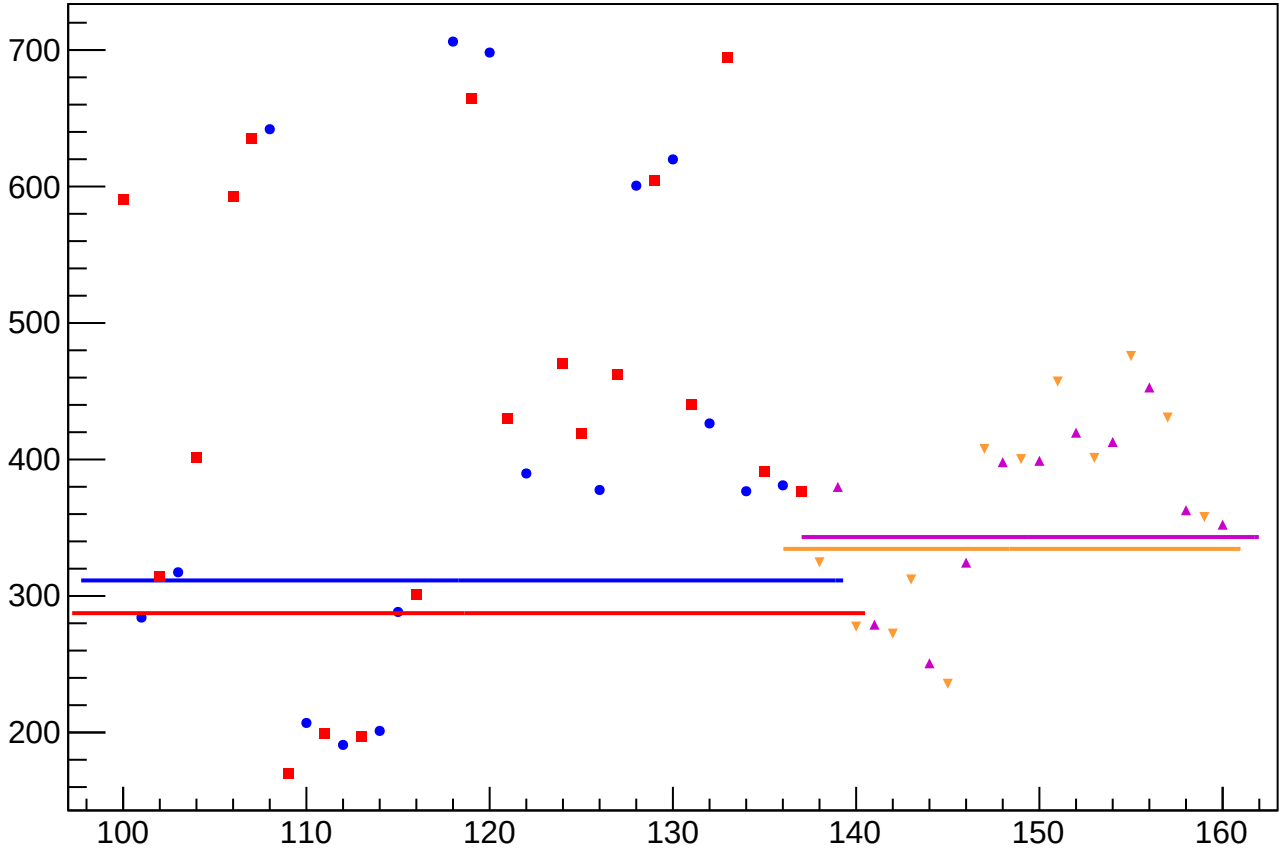
Left In: 5.266+/-113.253 χ^2/NDF:12.3/10

+ sign -285.887+/-83.489 χ^2/NDF: 55.9/27

All: -192.250+/-58.395 χ^2/NDF: 85.1/57

- 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: 334.530+/-0.079 χ^2/NDF:899852.7/11

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

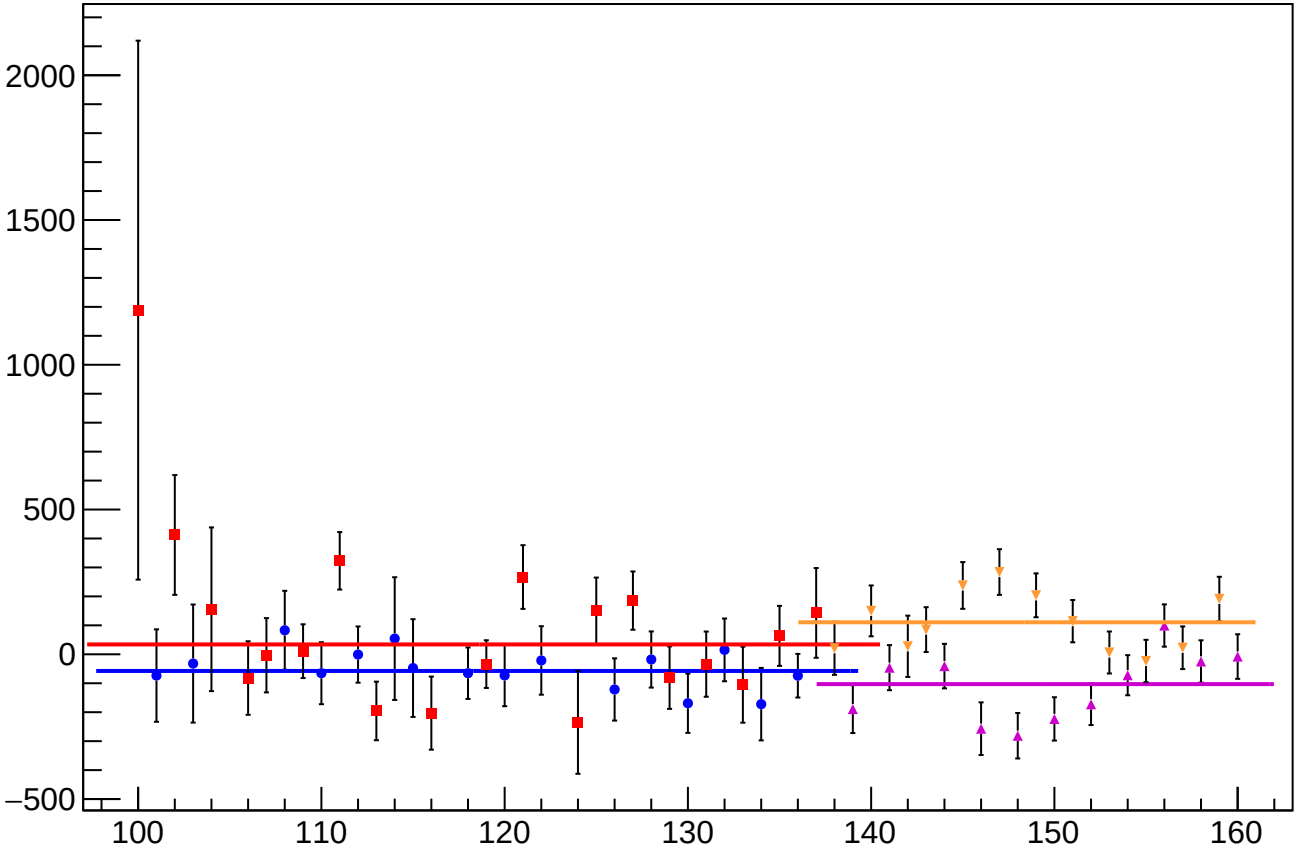
Left In: 343.176+/-0.080 χ^2/NDF:630944.3/10

+ sign 324.354+/-0.059 χ^2/NDF: 3061508.3/27

All: 320.310+/-0.041 χ^2/NDF: 6624406.8/57

- 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: 110.575+/-22.858 χ^2/NDF:18.7/11

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

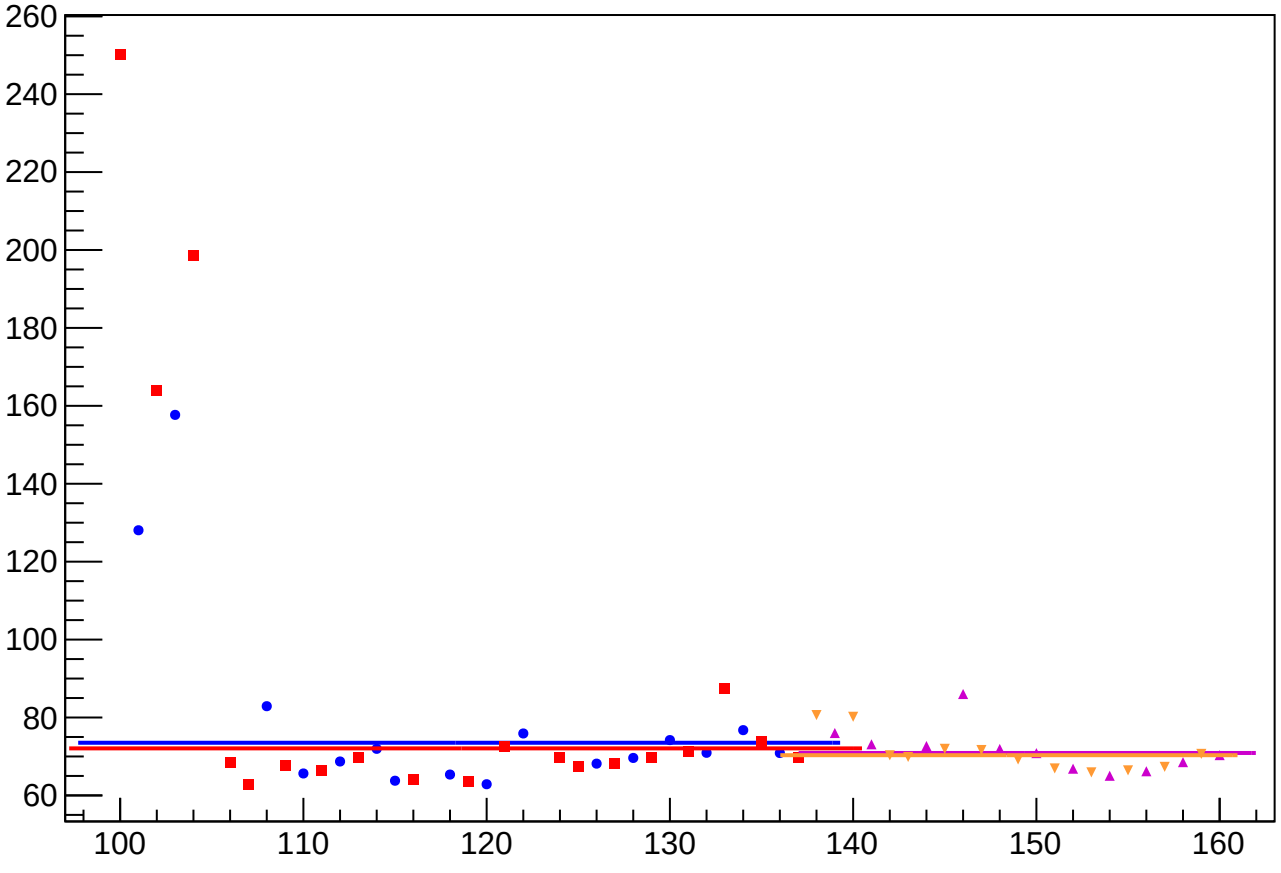
Left In: -102.993+/-23.019 χ^2/NDF:24.4/10

\+ sign 43.597+/-17.729 χ^2/NDF: 45.1/27

All: -1.613+/-12.499 χ^2/NDF: 134.2/57

\- 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: 70.326+/-0.016 χ^2/NDF:73057.3/11

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

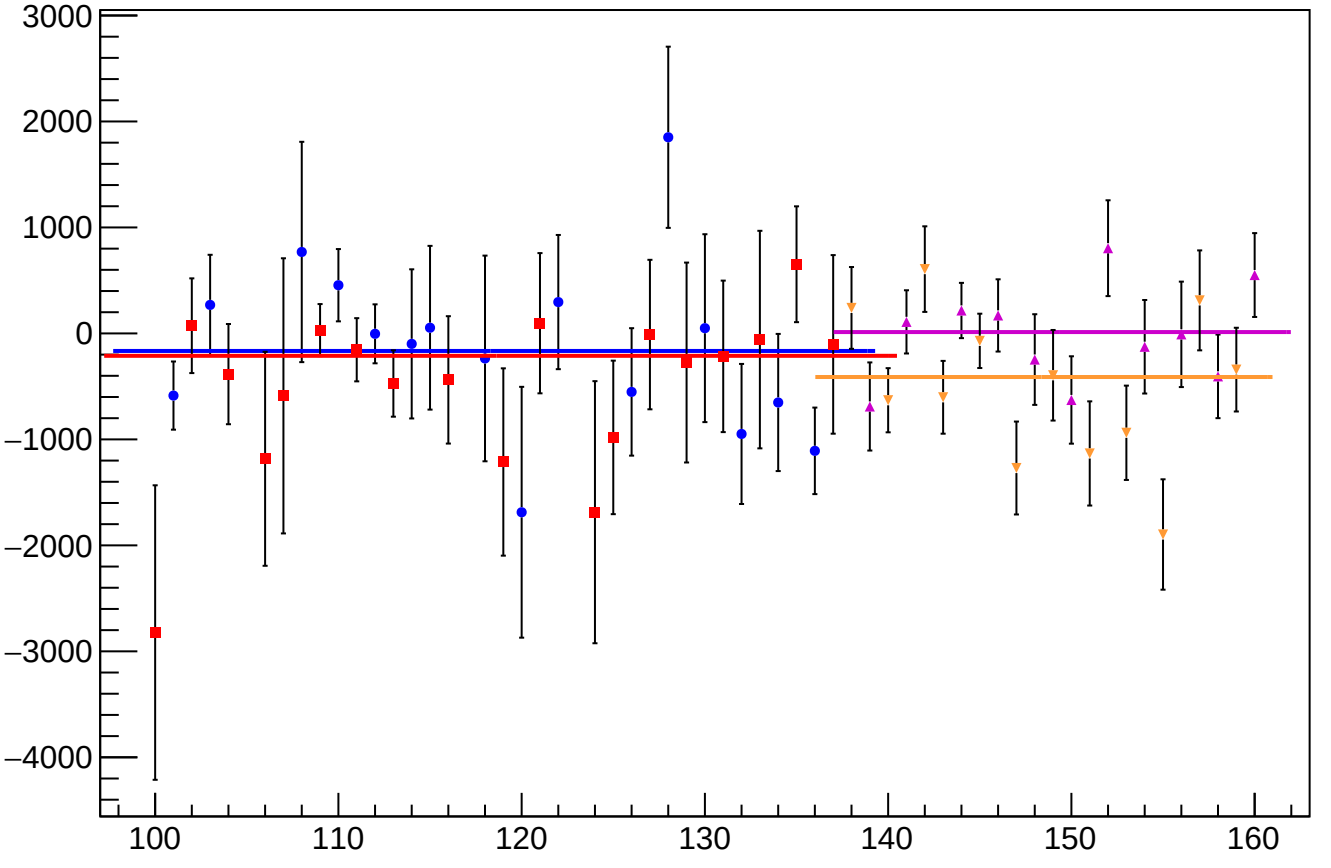
Left In: 70.896+/-0.016 χ^2/NDF:97040.2/10

+ sign 71.598+/-0.013 χ^2/NDF: 745458.9/27

All: 71.490+/-0.009 χ^2/NDF: 1803308.2/57

- 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: -411.425+/-110.494 χ^2/NDF:29.7/11

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

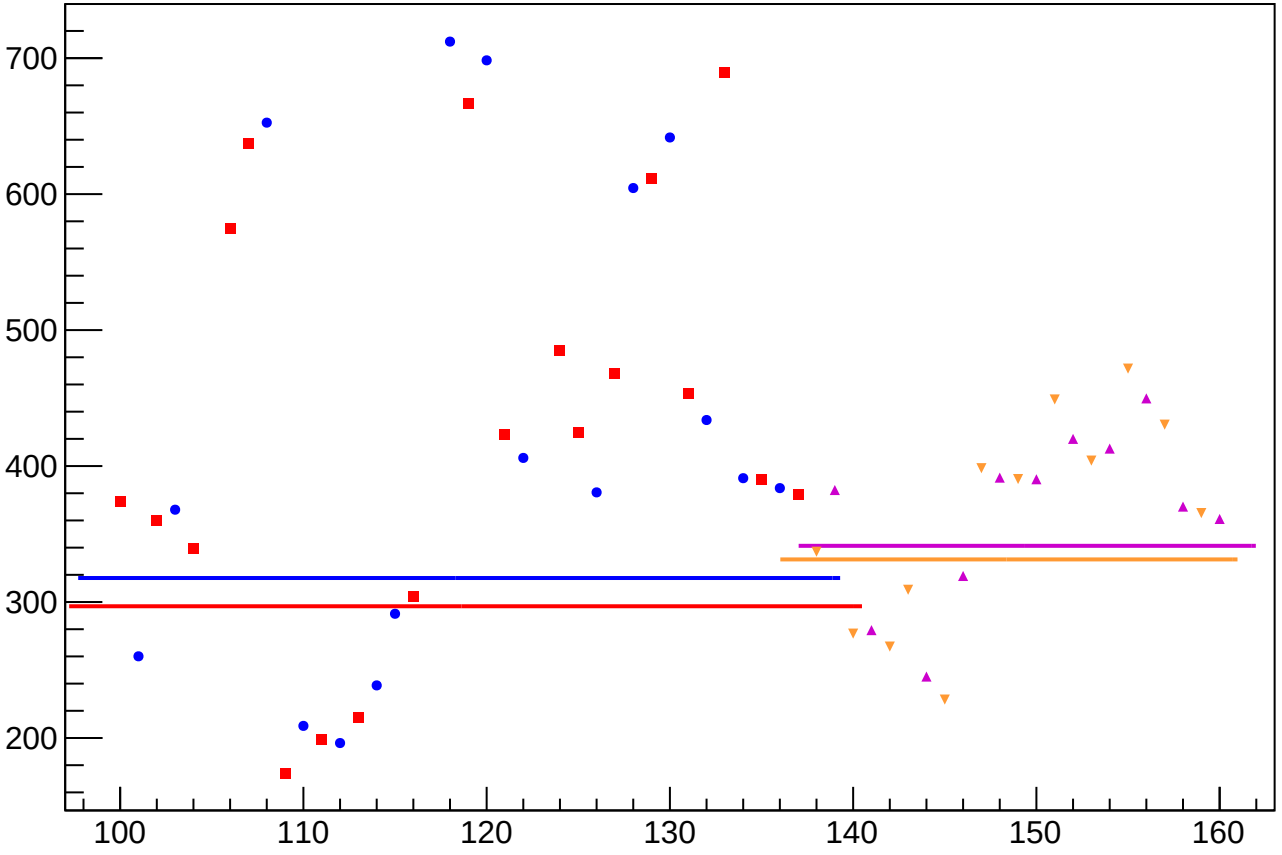
Left In: 12.729+/-112.811 χ^2/NDF:12.7/10

\+ sign -306.827+/-83.763 χ^2/NDF: 54.5/27

All: -197.578+/-58.681 χ^2/NDF: 86.0/57

\- 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: 331.333+/-0.078 χ^2/NDF:949136.3/11

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

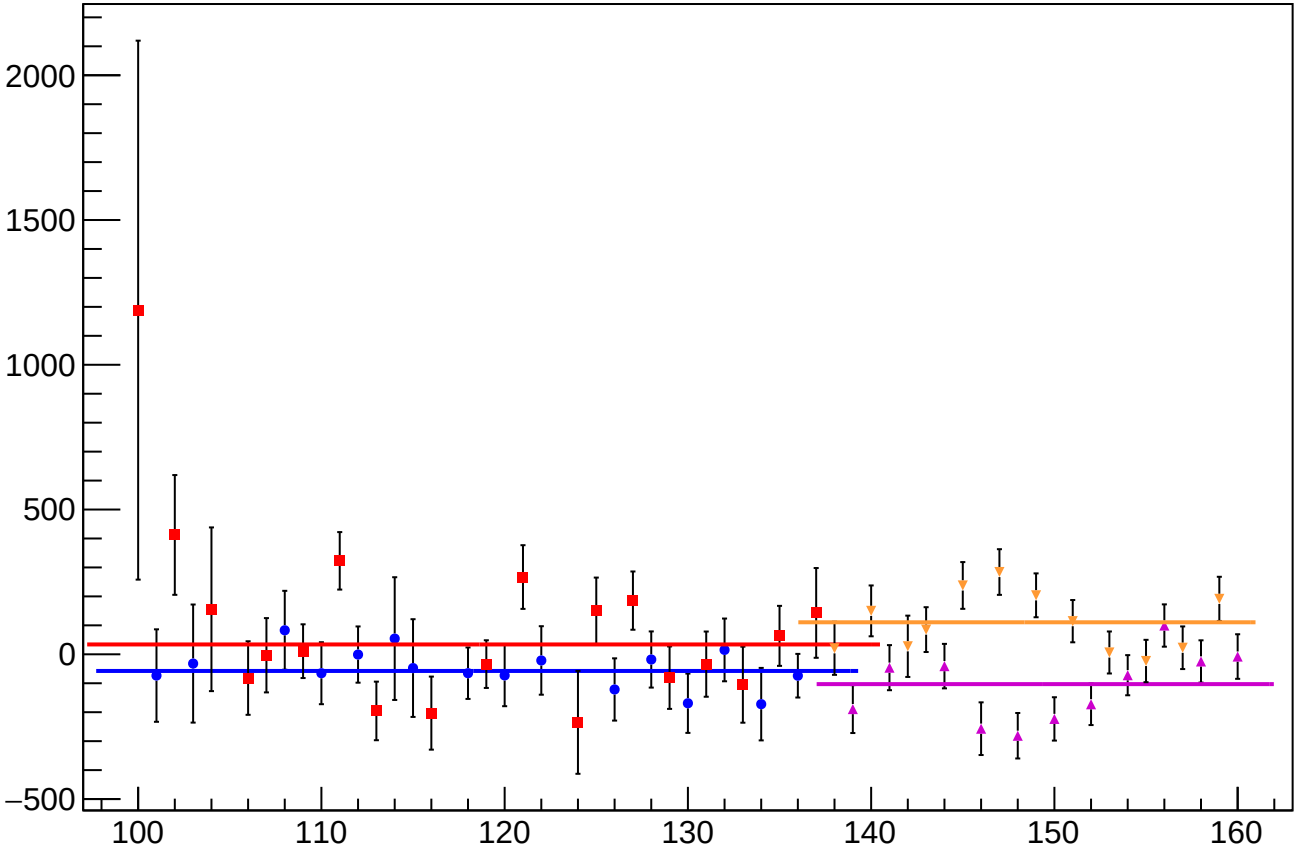
Left In: 341.337+/-0.080 χ^2/NDF:665811.0/10

+ sign 325.519+/-0.059 χ^2/NDF: 3098347.1/27

All: 322.966+/-0.041 χ^2/NDF: 6454355.6/57

- 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: 110.576+/-22.858 χ^2/NDF:18.7/11

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

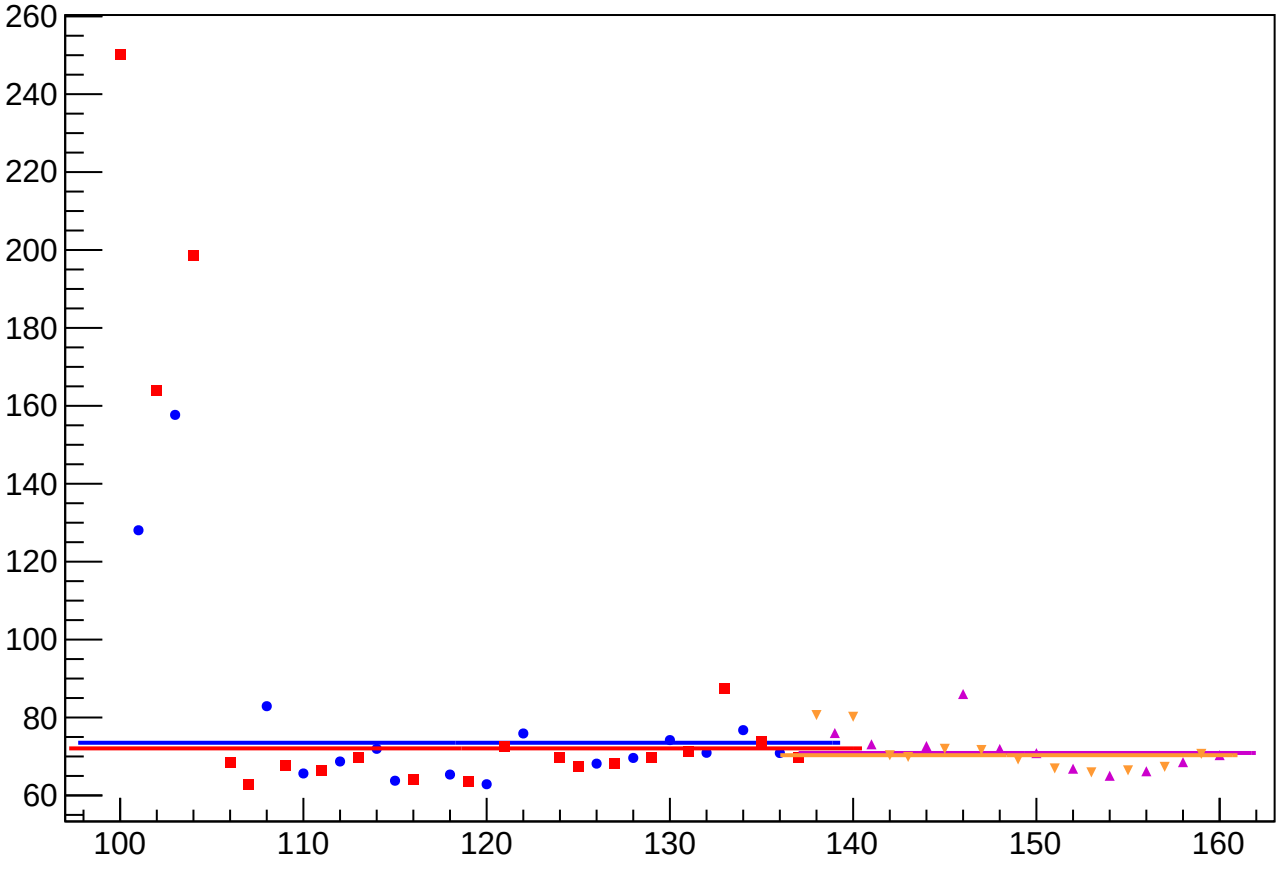
Left In: -102.992+/-23.019 χ^2/NDF:24.4/10

\+ sign 43.598+/-17.729 χ^2/NDF: 45.1/27

All: -1.613+/-12.499 χ^2/NDF: 134.2/57

\- 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: 70.326+/-0.016 χ^2/NDF:73056.9/11

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

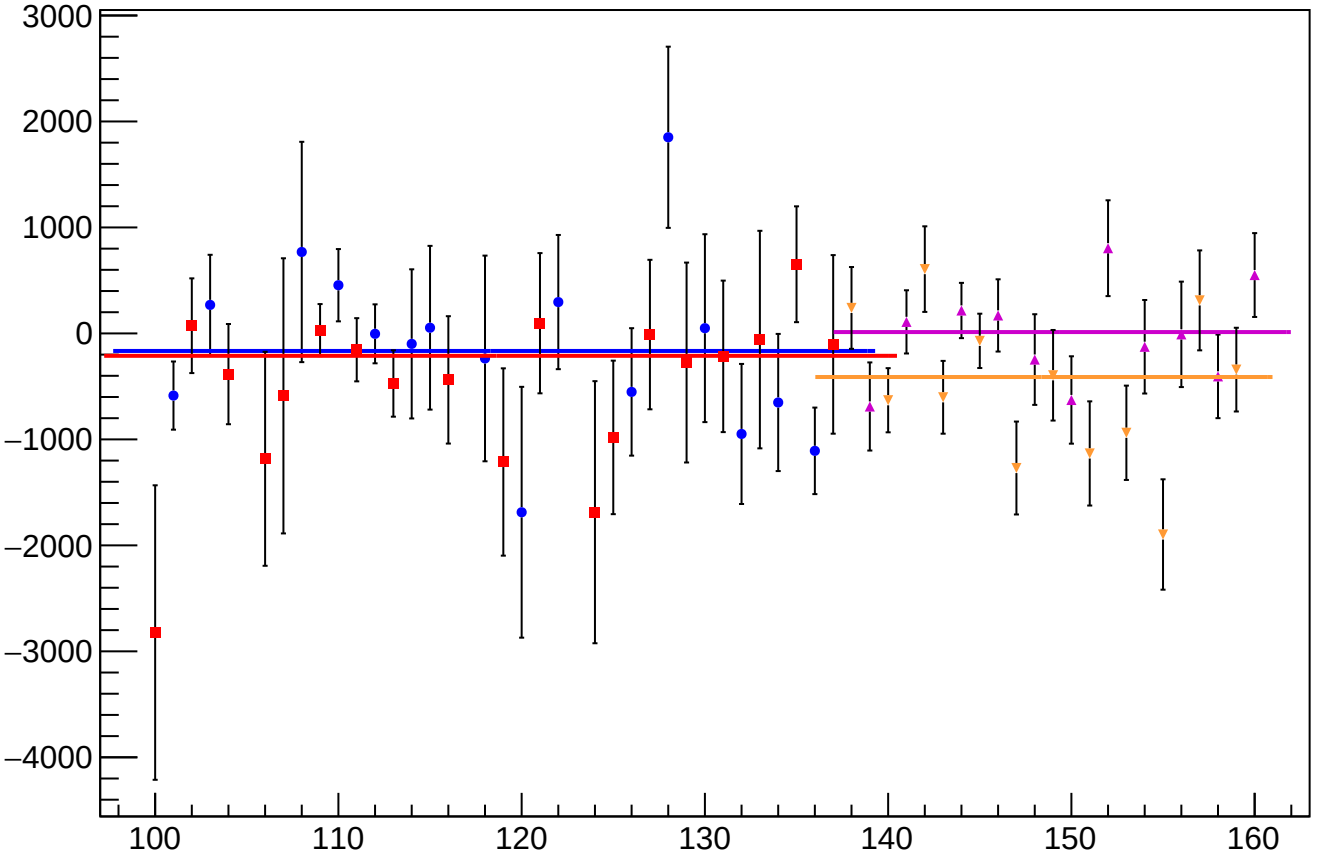
Left In: 70.896+/-0.016 χ^2/NDF:97040.8/10

+ sign 71.598+/-0.013 χ^2/NDF: 745458.7/27

All: 71.490+/-0.009 χ^2/NDF: 1803309.5/57

- 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: -411.425+/-110.494 χ^2/NDF:29.7/11

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

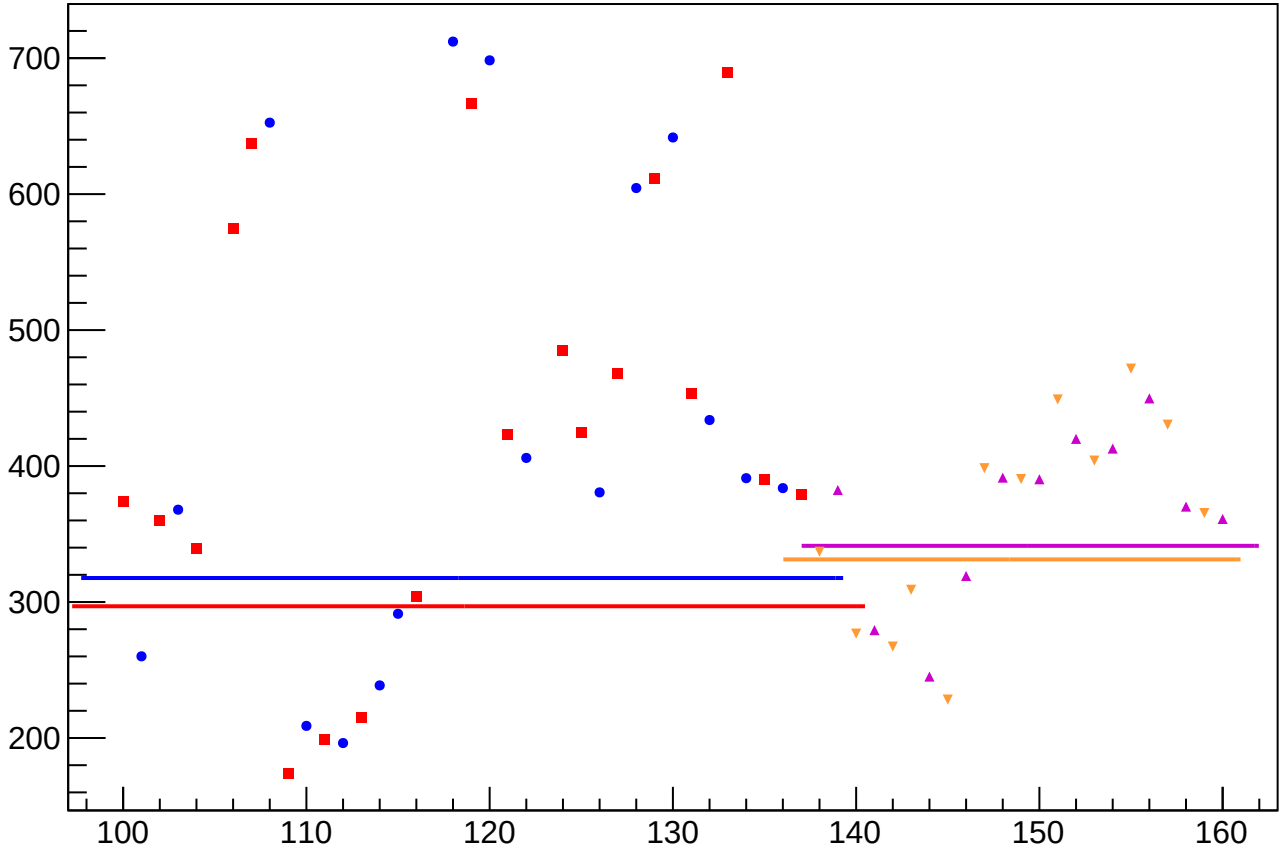
Left In: 12.729+/-112.811 χ^2/NDF:12.7/10

+ sign -306.826+/-83.762 χ^2/NDF: 54.5/27

All: -197.577+/-58.681 χ^2/NDF: 86.0/57

- 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: 331.332+/-0.078 χ^2/NDF:949147.6/11

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

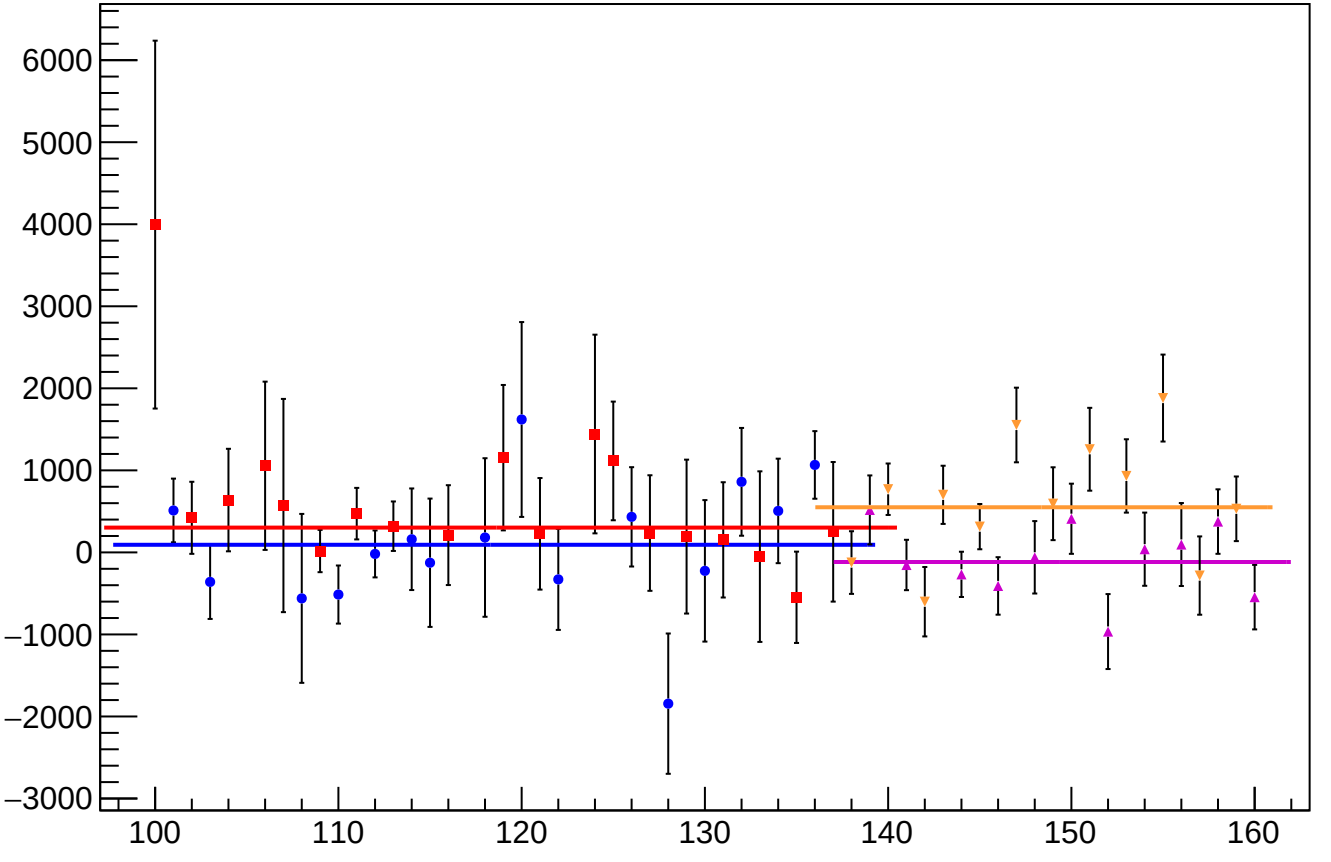
Left In: 341.337+/-0.080 χ^2/NDF:665817.0/10

+ sign 325.518+/-0.059 χ^2/NDF: 3098393.9/27

All: 322.965+/-0.041 χ^2/NDF: 6454428.0/57

- 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: 550.052+/-114.017 χ^2/NDF:28.8/11

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

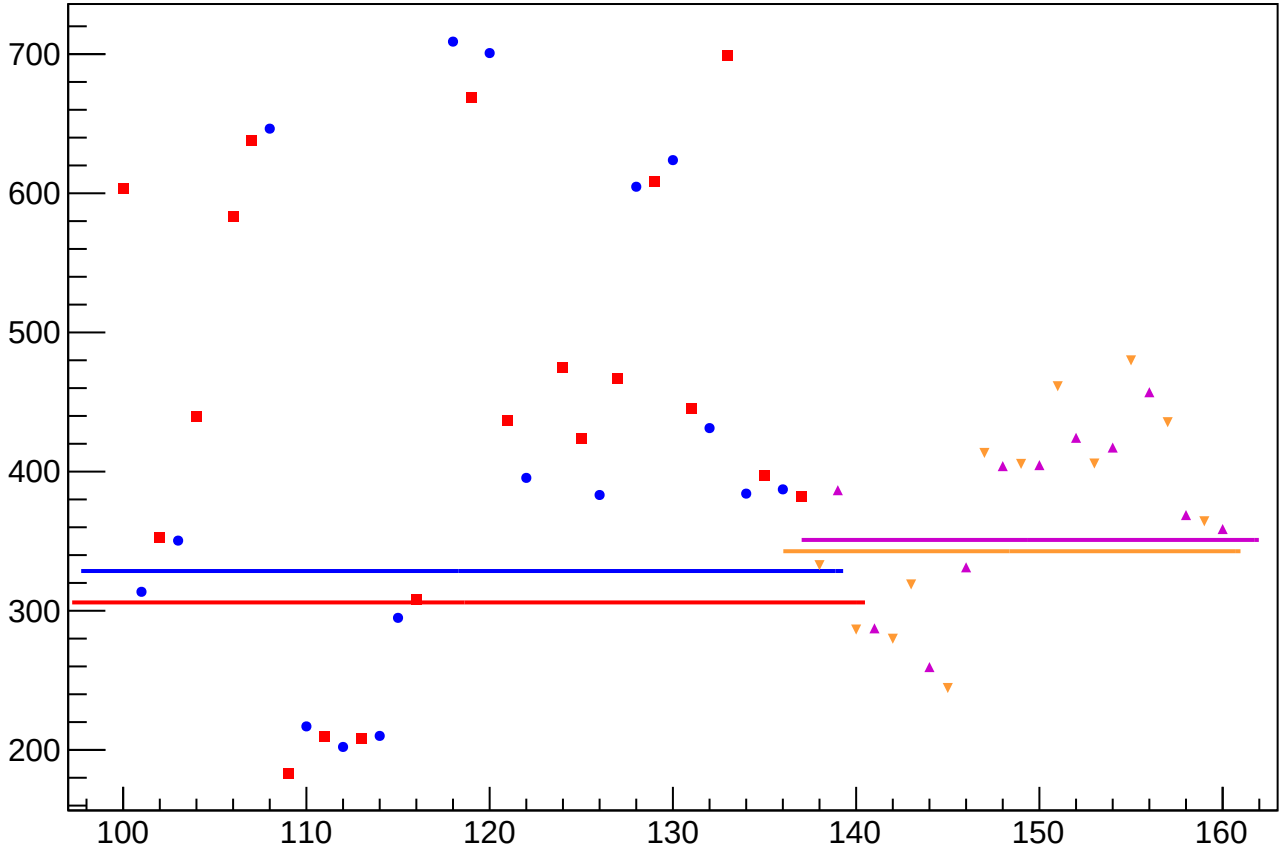
Left In: -117.067+/-115.603 χ^2/NDF:11.3/10

+ sign 354.550+/-86.265 χ^2/NDF: 56.5/27

All: 213.500+/-60.376 χ^2/NDF: 90.0/57

- 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: 342.781+/-0.081 χ^2/NDF:826354.9/11

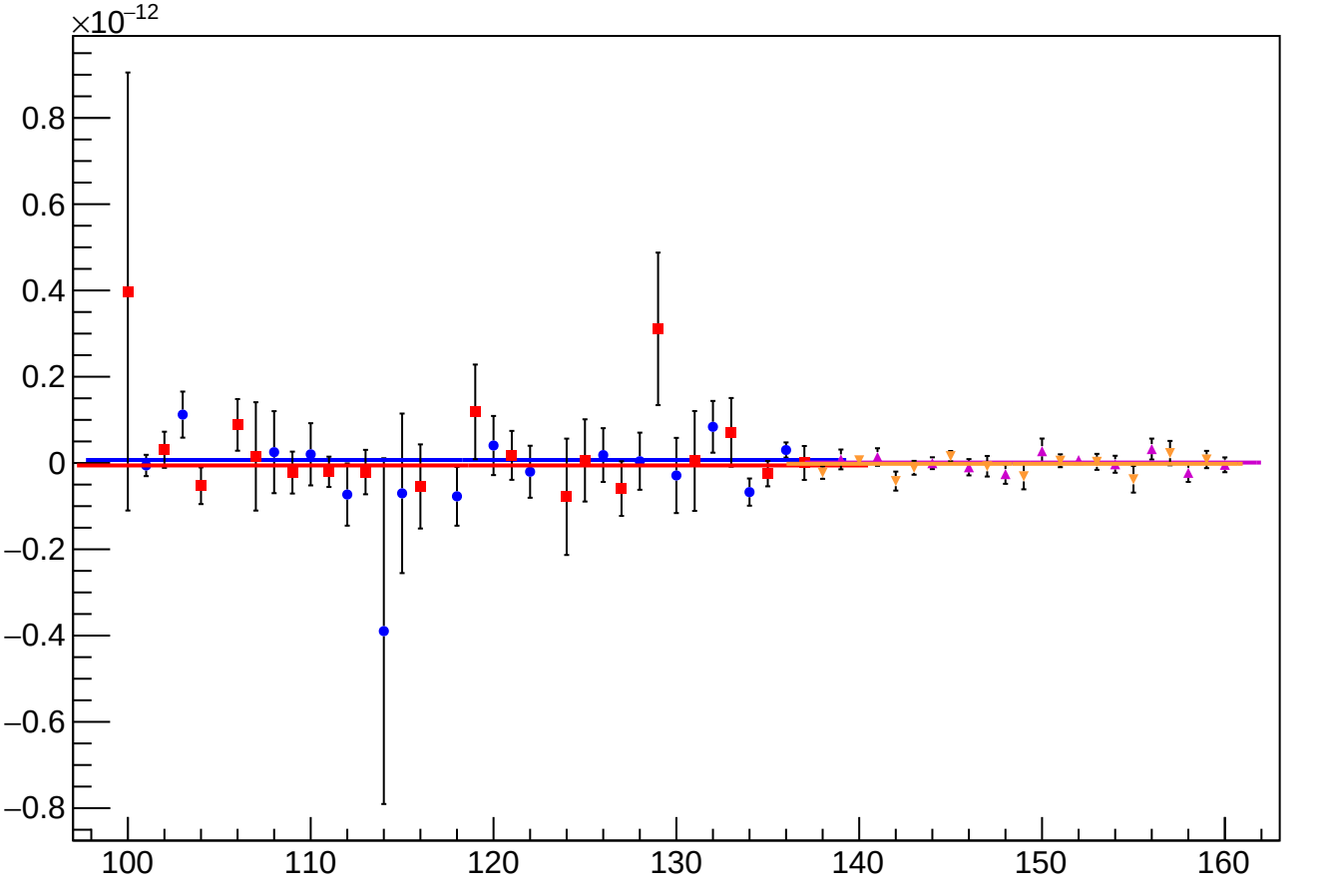
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 350.902+/-0.082 χ^2/NDF:575276.7/10

+ sign 336.704+/-0.061 χ^2/NDF: 2798519.5/27

All: 333.285+/-0.043 χ^2/NDF: 6047897.0/57

- sign 330.002+/-0.060 χ^2/NDF: 3243220.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/11

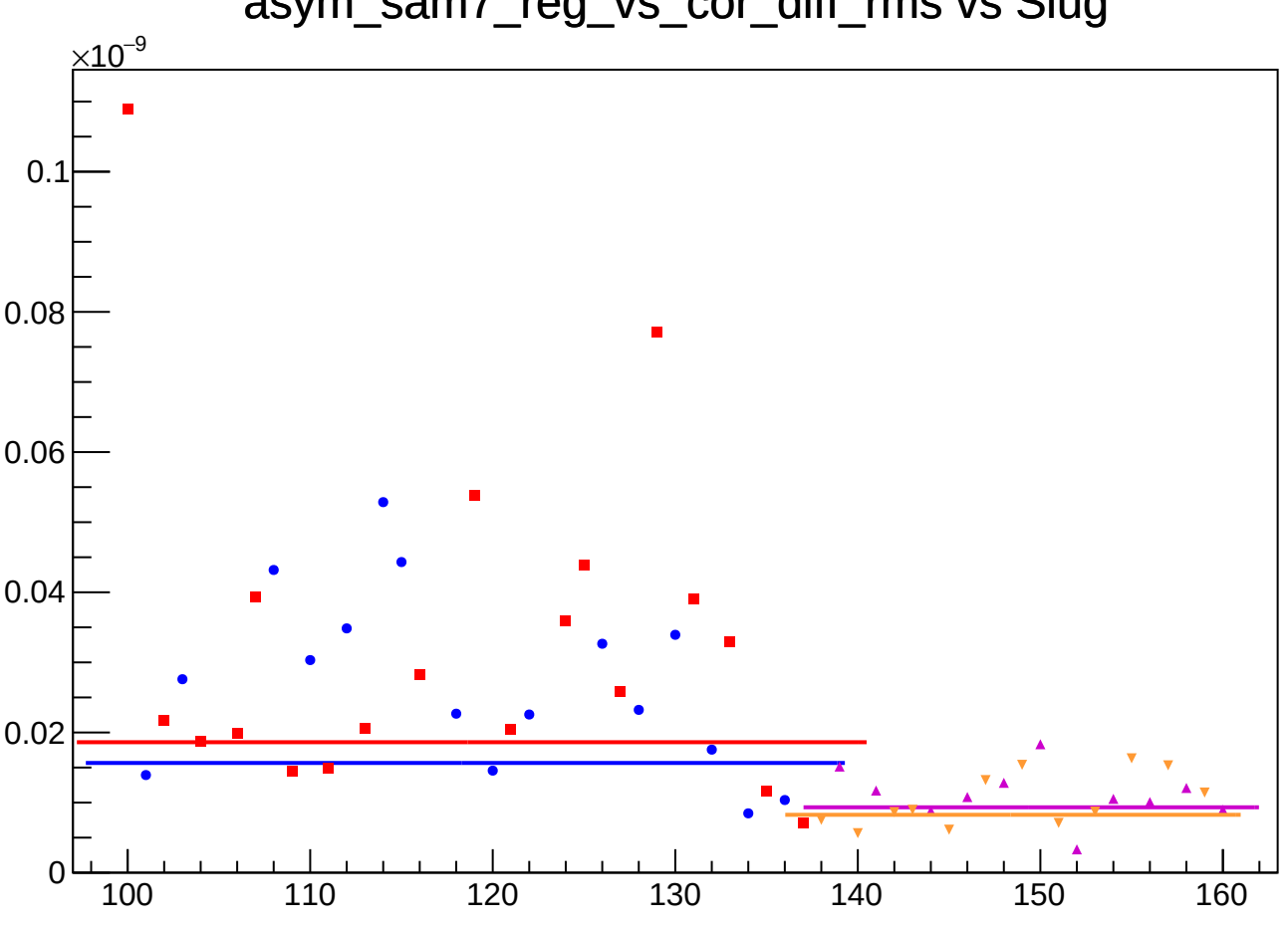
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/10

\+ sign -0.000+/-0.000 χ^2/NDF: 30.3/27

All: -0.000+/-0.000 χ^2/NDF: 49.7/57

\- 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:718115.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

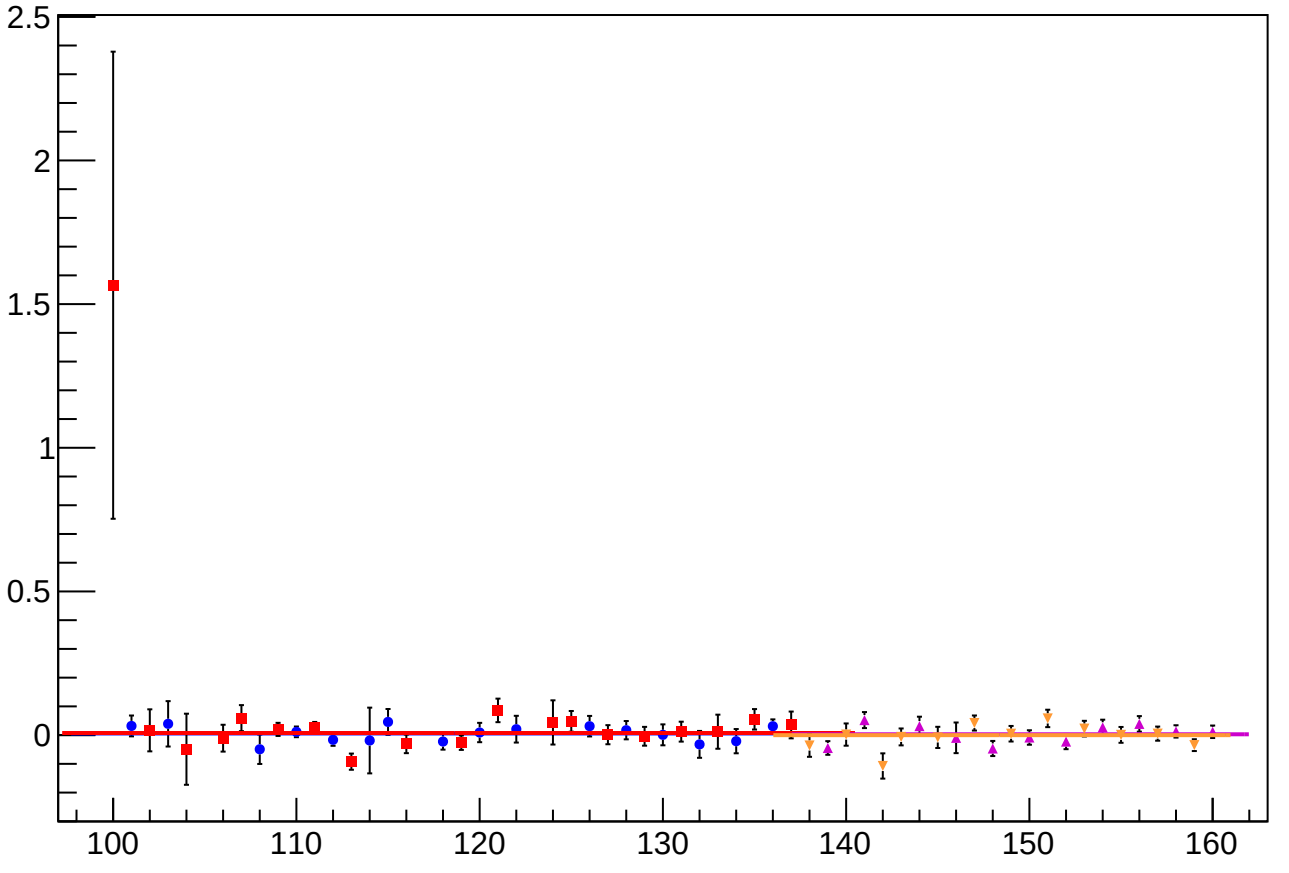
Left In: 0.000+/-0.000 χ^2/NDF:991906.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 2642476.4/27

All: 0.000+/-0.000 χ^2/NDF: 5818742.1/57

- 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: -0.000+/-0.008 χ^2/NDF:16.8/11

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

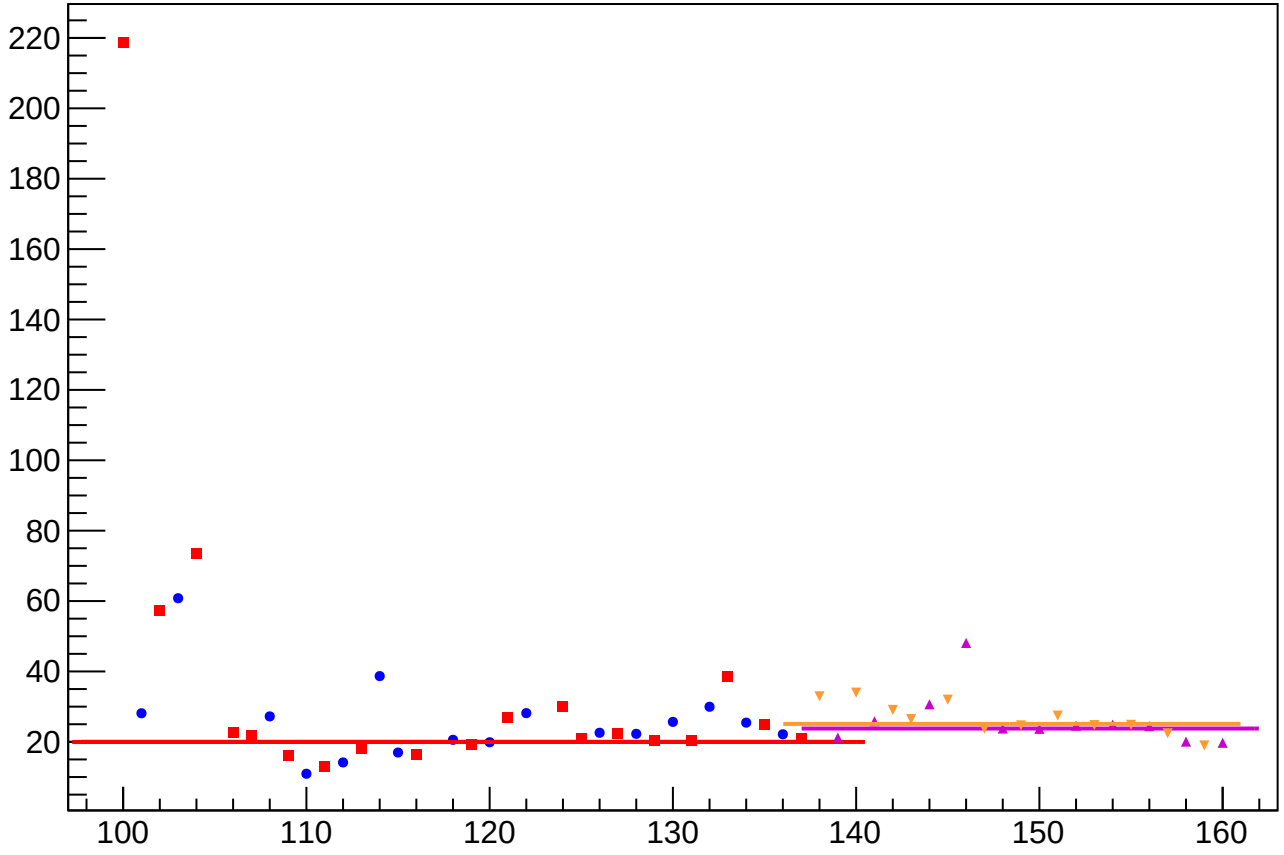
Left In: 0.003+/-0.008 χ^2/NDF:15.6/10

+ sign 0.003+/-0.006 χ^2/NDF: 24.9/27

All: 0.004+/-0.004 χ^2/NDF: 70.6/57

- 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: 25.095+/-0.006 χ^2/NDF:493320.1/11

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

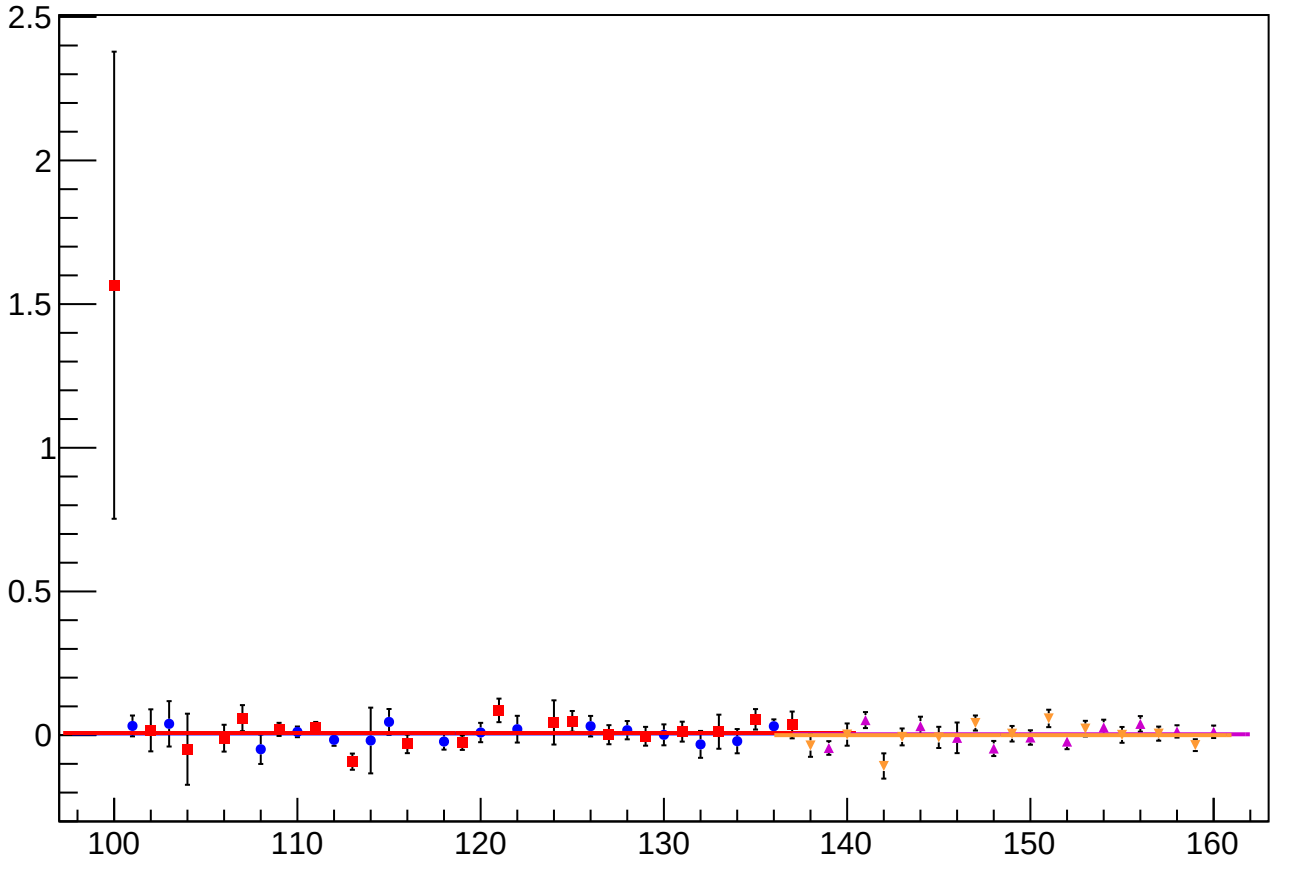
Left In: 23.779+/-0.006 χ^2/NDF:674735.8/10

+ sign 22.488+/-0.004 χ^2/NDF: 2514685.5/27

All: 22.189+/-0.003 χ^2/NDF: 5142949.0/57

- 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: -0.000+/-0.008 χ^2/NDF:16.8/11

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

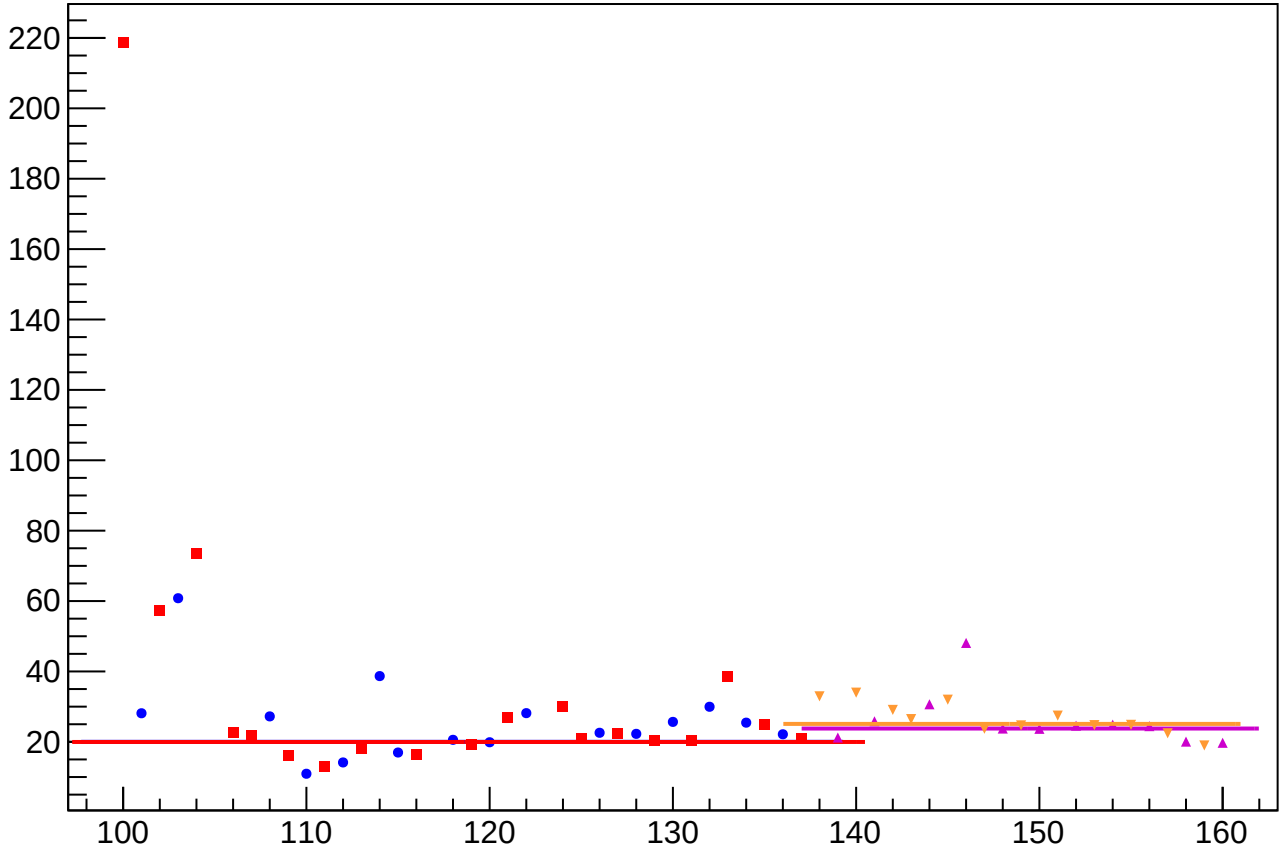
Left In: 0.003+/-0.008 χ^2/NDF:15.6/10

+ sign 0.003+/-0.006 χ^2/NDF: 24.9/27

All: 0.004+/-0.004 χ^2/NDF: 70.6/57

- 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: 25.095+/-0.006 χ^2/NDF:493320.1/11

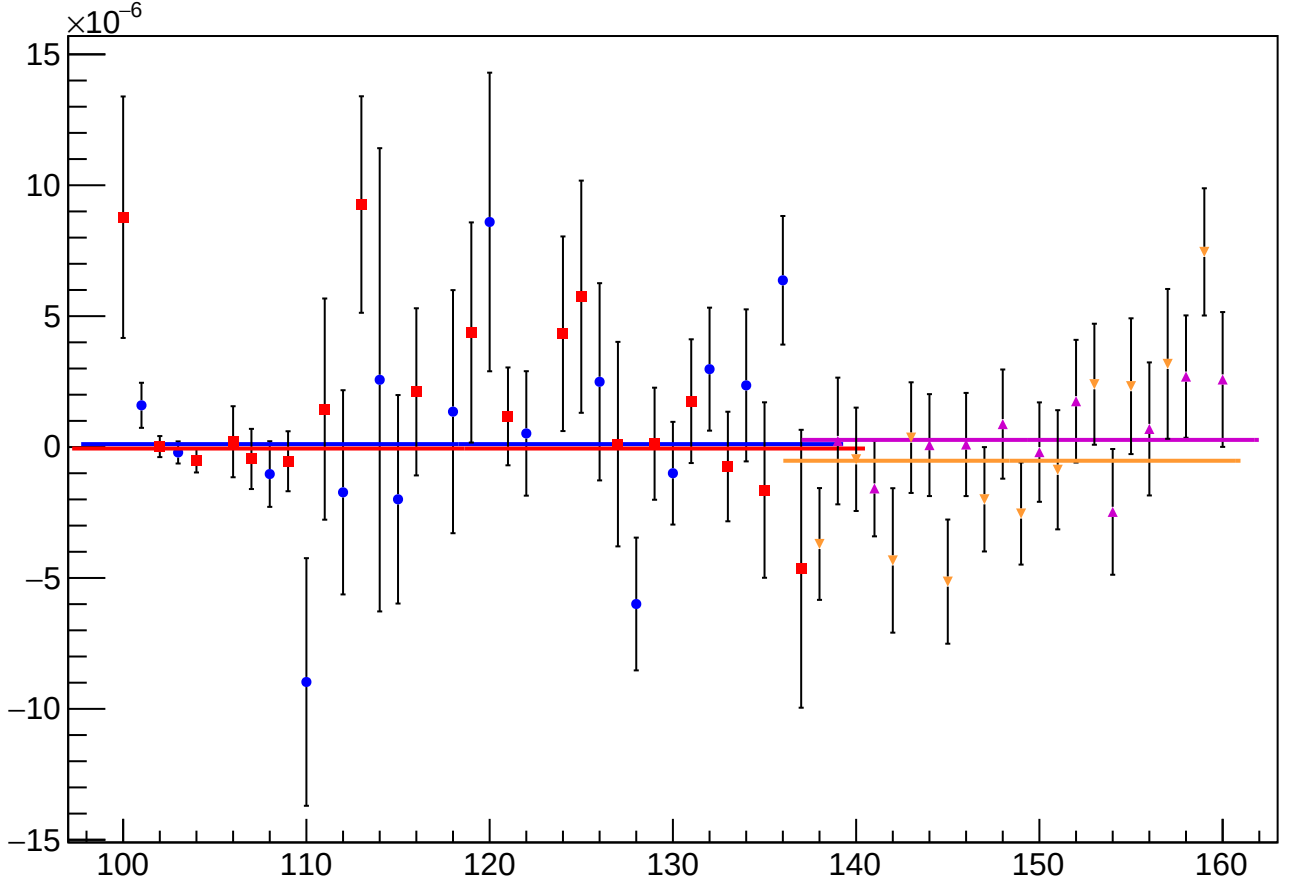
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 23.779+/-0.006 χ^2/NDF:674735.8/10

+ sign 22.488+/-0.004 χ^2/NDF: 2514685.5/27

All: 22.189+/-0.003 χ^2/NDF: 5142949.0/57

- 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:25.0/11

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

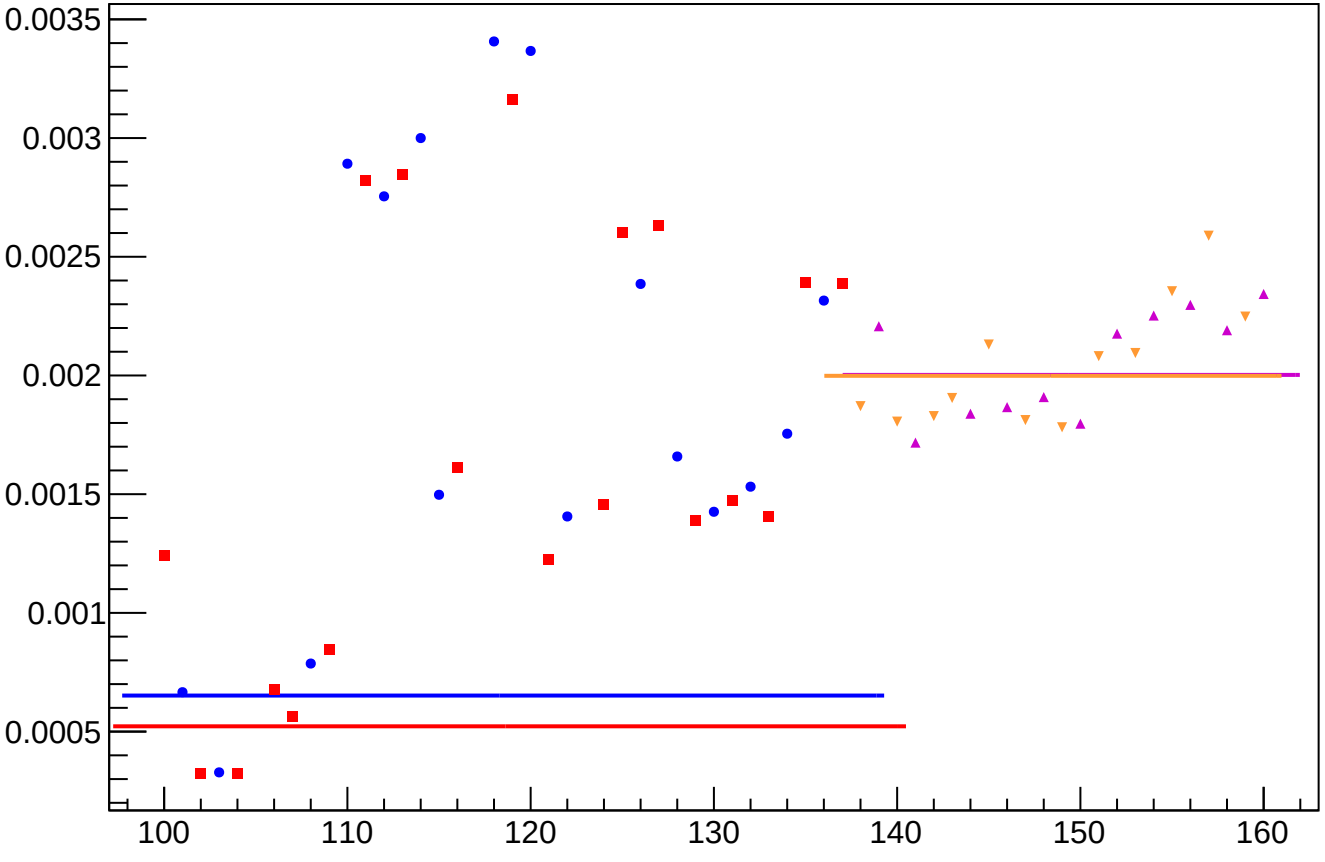
Left In: 0.000+/-0.000 χ^2/NDF:4.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 51.8/27

All: -0.000+/-0.000 χ^2/NDF: 73.9/57

- 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:236133.4/11

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

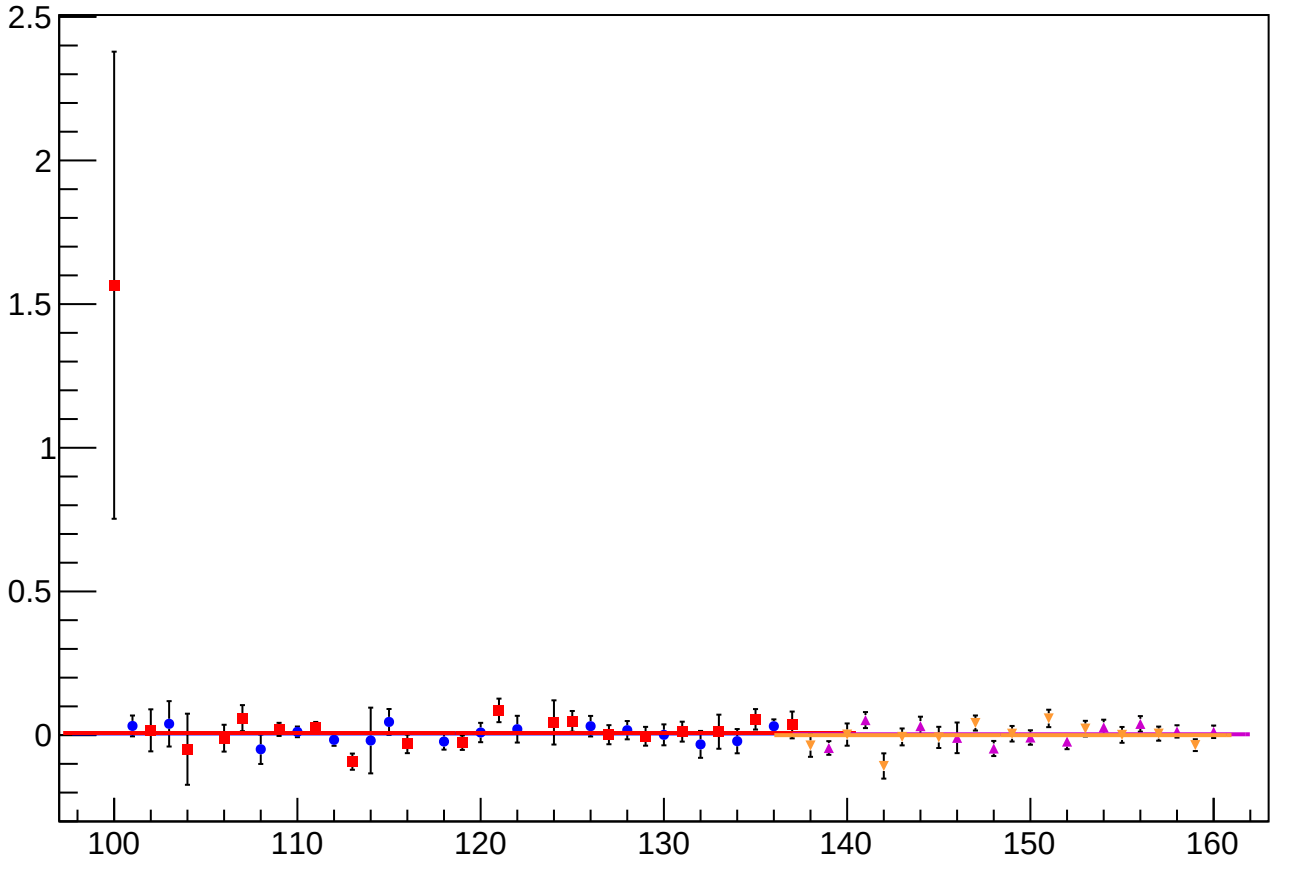
Left In: 0.002+/-0.000 χ^2/NDF:221548.9/10

+ sign 0.001+/-0.000 χ^2/NDF: 13338974.4/27

All: 0.001+/-0.000 χ^2/NDF: 29669263.1/57

- 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: -0.000+/-0.008 χ^2/NDF:16.8/11

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

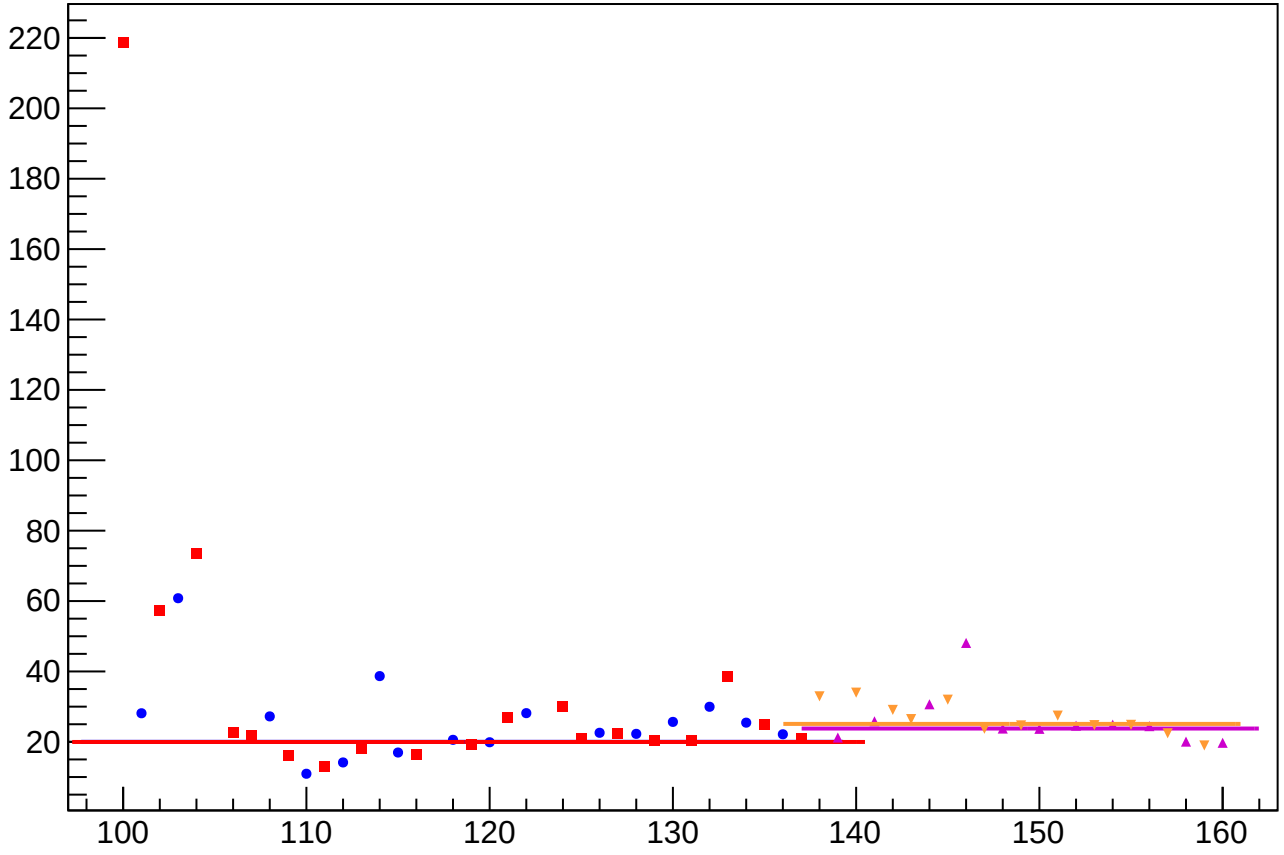
Left In: 0.003+/-0.008 χ^2/NDF:15.6/10

+ sign 0.003+/-0.006 χ^2/NDF: 24.9/27

All: 0.004+/-0.004 χ^2/NDF: 70.6/57

- 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: 25.095+/-0.006 χ^2/NDF:493356.9/11

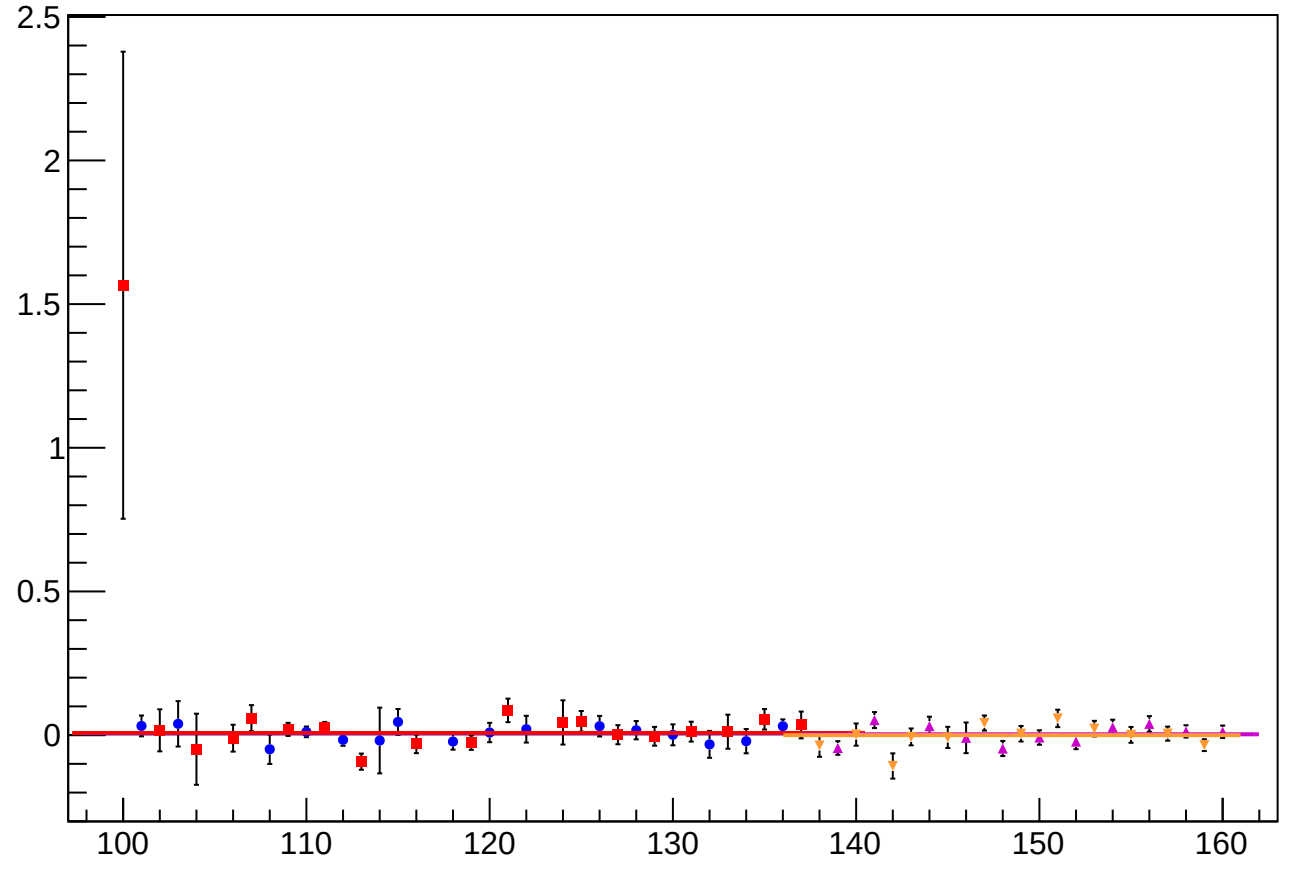
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 23.779+/-0.006 χ^2/NDF:674769.4/10

+ sign 22.488+/-0.004 χ^2/NDF: 2514470.4/27

All: 22.189+/-0.003 χ^2/NDF: 5142683.7/57

- sign 21.907+/-0.004 χ^2/NDF: 2618030.3/29



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.000+/-0.008 χ^2/NDF:16.8/11

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

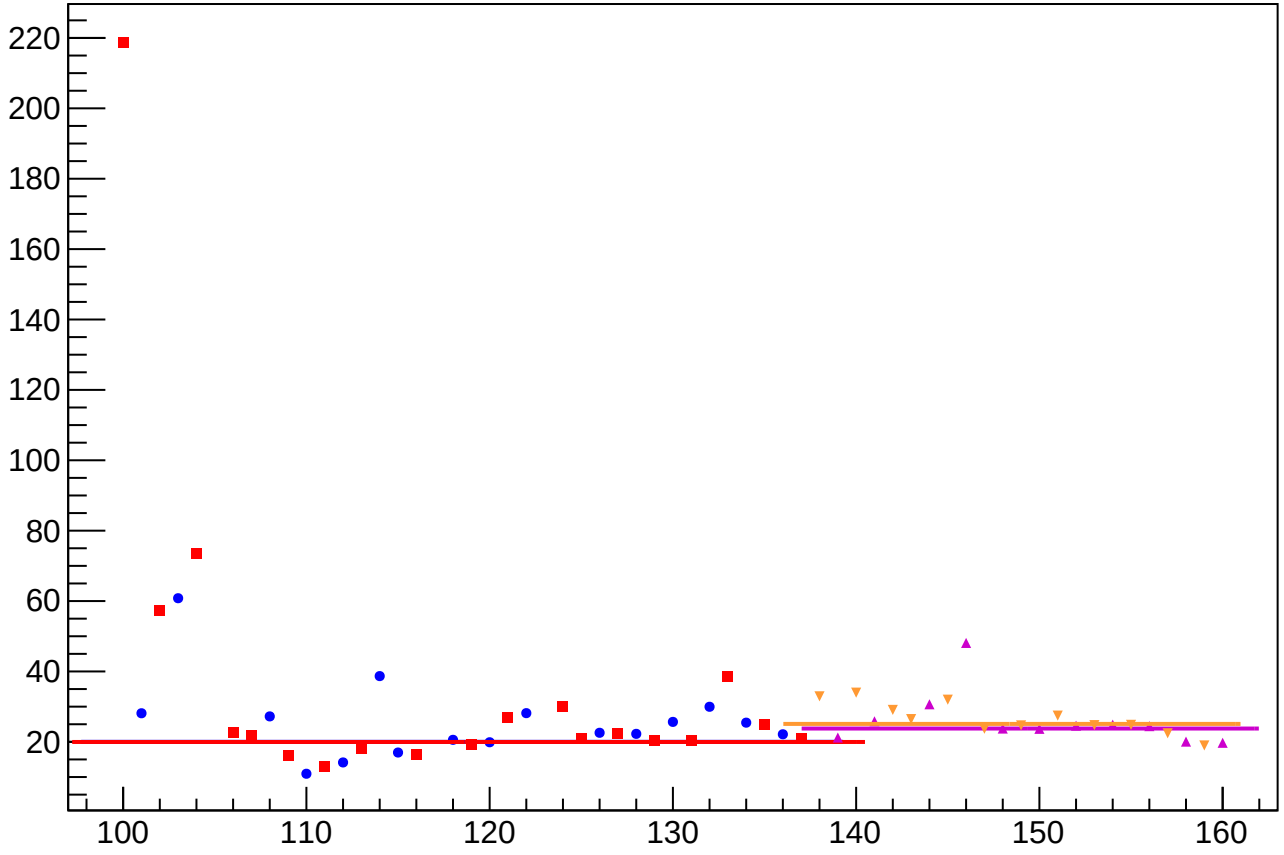
Left In: 0.003+/-0.008 χ^2/NDF:15.6/10

+ sign 0.003+/-0.006 χ^2/NDF: 24.9/27

All: 0.004+/-0.004 χ^2/NDF: 70.6/57

- sign 0.005+/-0.006 χ^2/NDF: 45.6/29

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.095+/-0.006 χ^2/NDF:493356.9/11

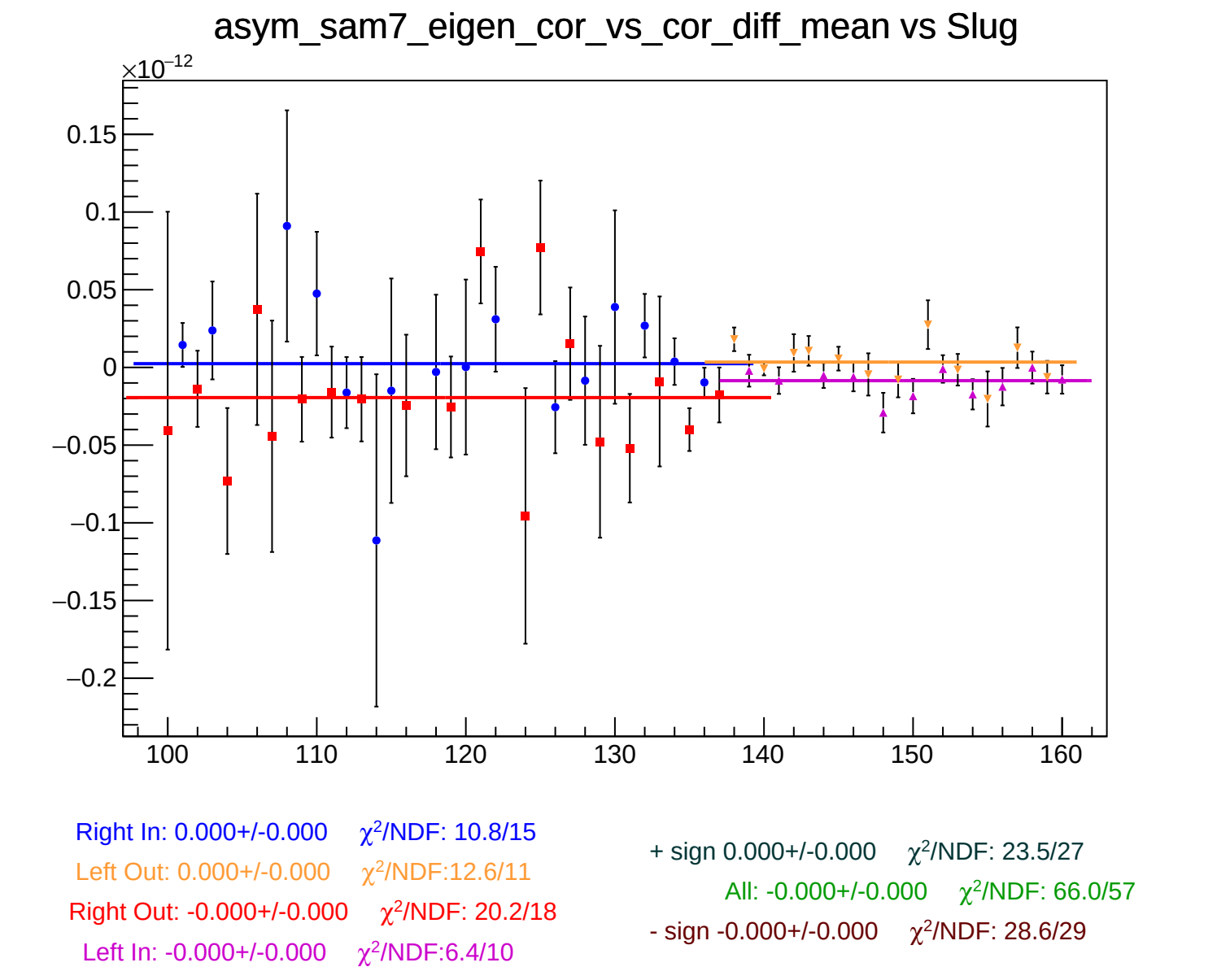
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 23.779+/-0.006 χ^2/NDF:674769.4/10

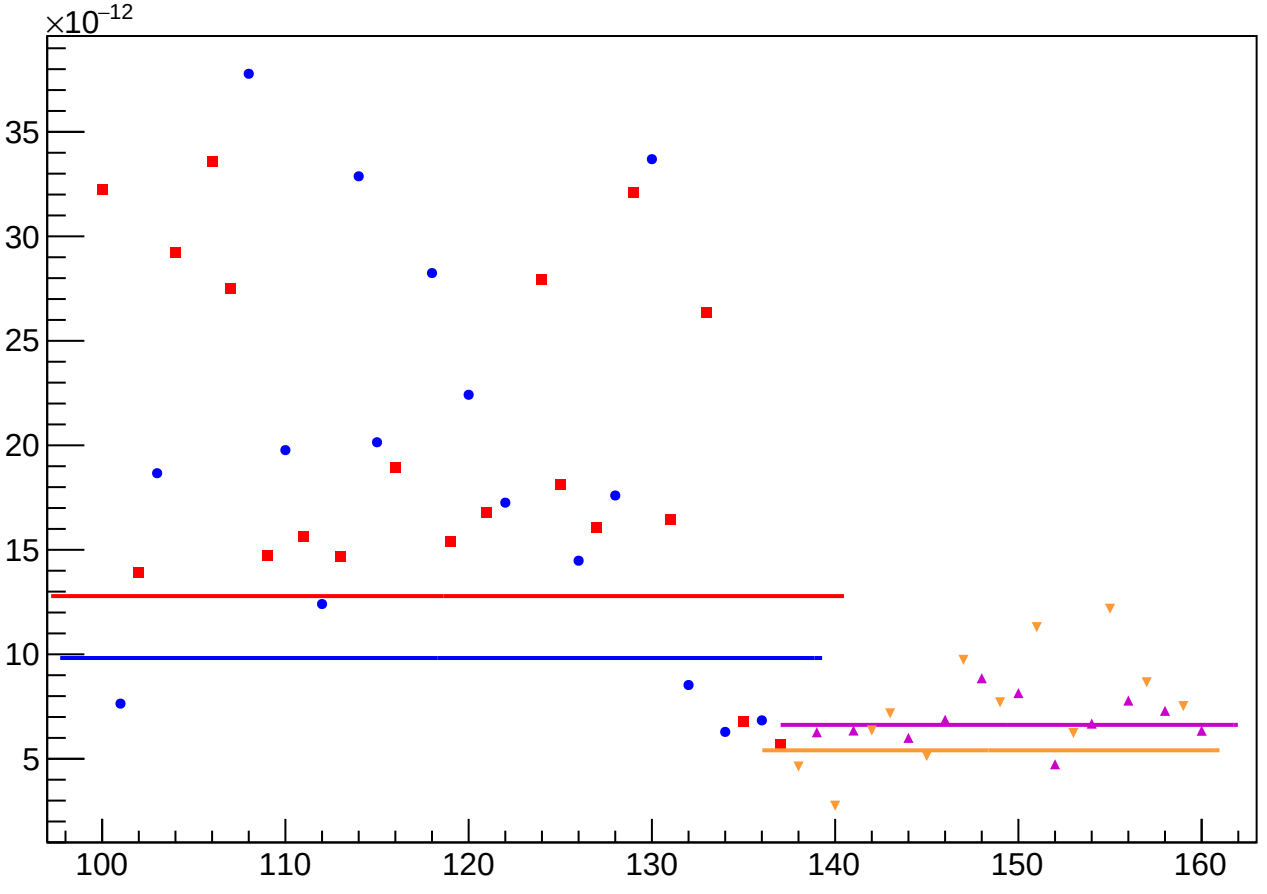
+ sign 22.488+/-0.004 χ^2/NDF: 2514470.4/27

All: 22.189+/-0.003 χ^2/NDF: 5142683.7/57

- sign 21.907+/-0.004 χ^2/NDF: 2618030.3/29


asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 10.8/15
Left Out: 0.000+/-0.000 χ²/NDF:12.6/11
Right Out: -0.000+/-0.000 χ²/NDF: 20.2/18
Left In: -0.000+/-0.000 χ²/NDF:6.4/10
+ sign 0.000+/-0.000 χ²/NDF: 23.5/27
All: -0.000+/-0.000 χ²/NDF: 66.0/57
- sign -0.000+/-0.000 χ²/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:1925626.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

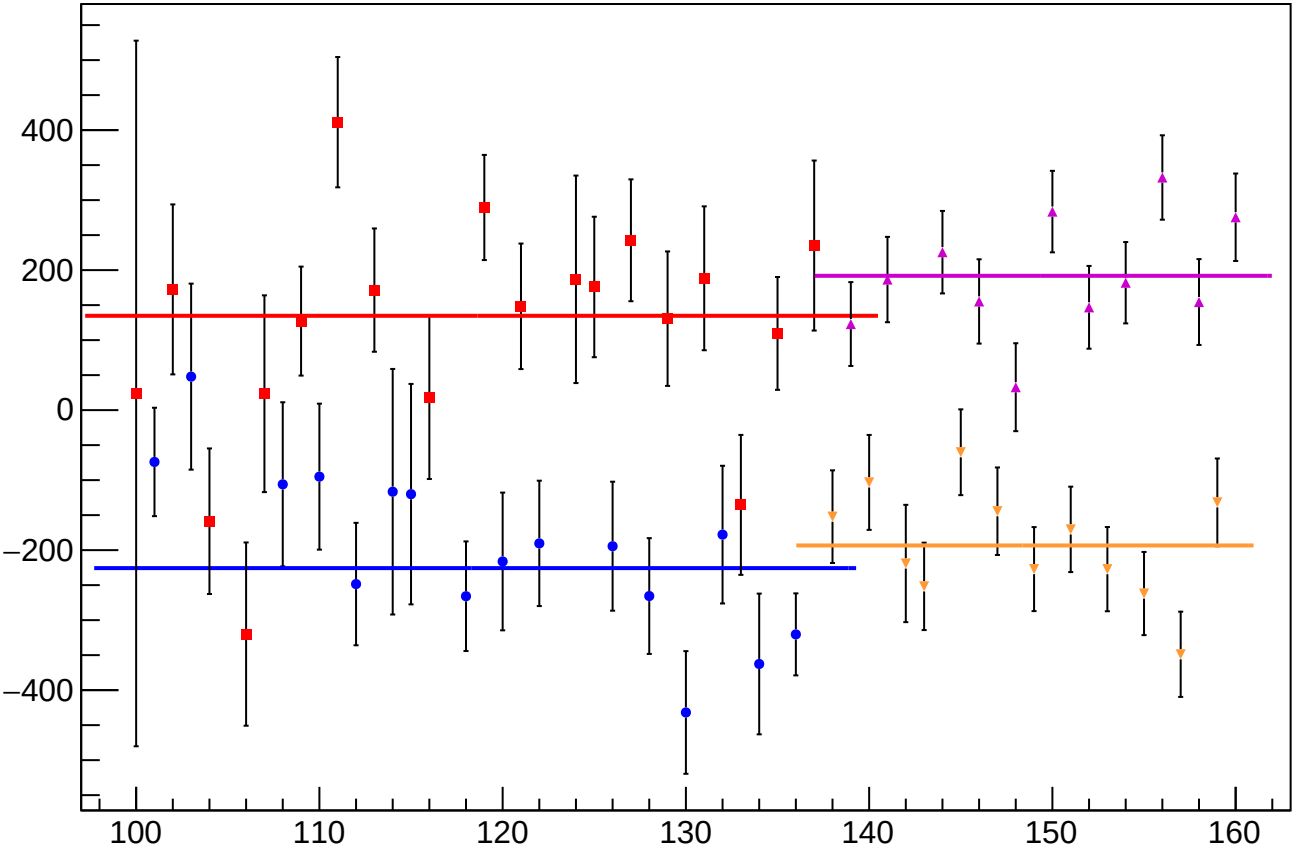
Left In: 0.000+/-0.000 χ^2/NDF:235937.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 4895368.3/27

All: 0.000+/-0.000 χ^2/NDF: 8524601.4/57

- 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: -193.306+/-18.265 χ^2/NDF:18.0/11

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

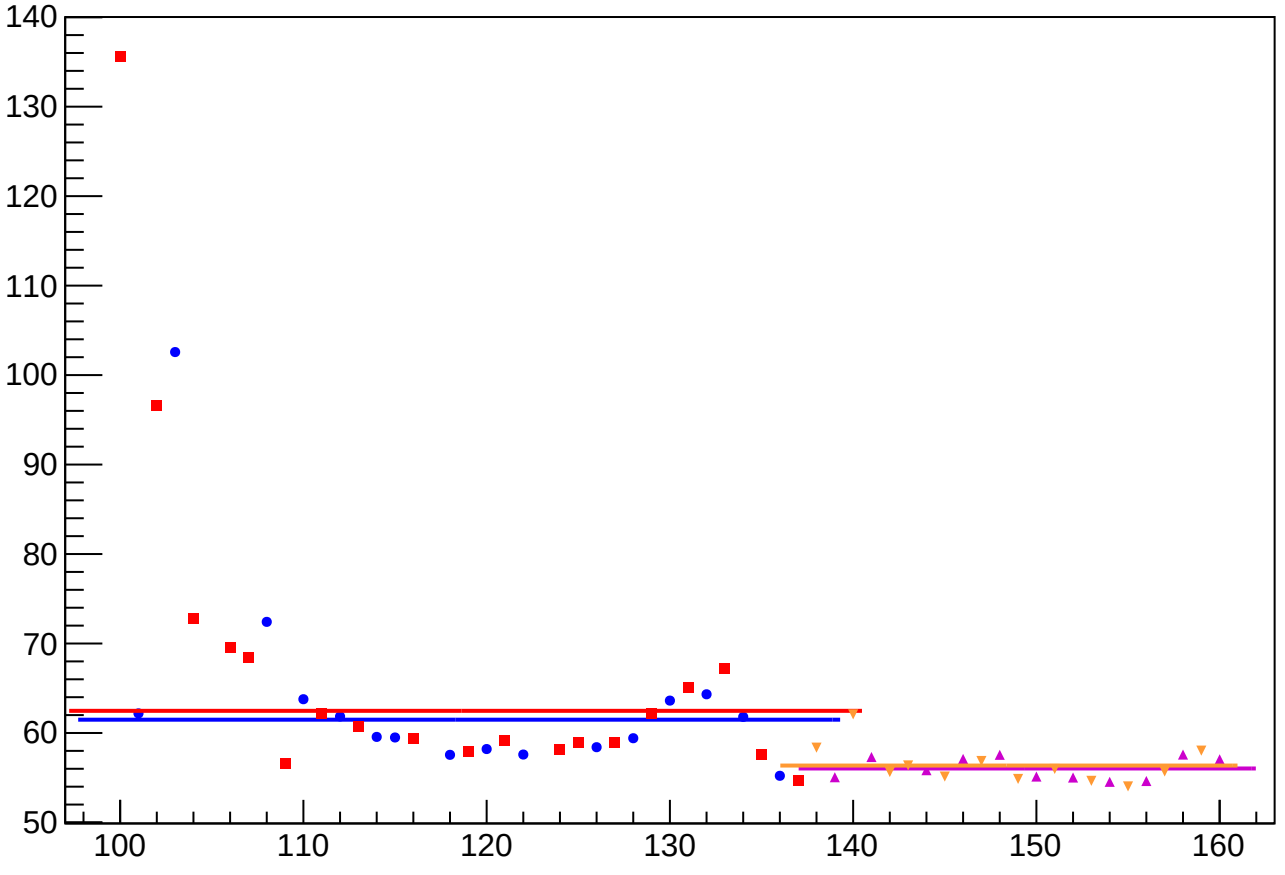
Left In: 191.878+/-18.137 χ^2/NDF:19.1/10

+ sign -205.753+/-14.332 χ^2/NDF: 41.9/27

All: -17.186+/-10.118 χ^2/NDF: 455.2/57

- 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: 56.360+/-0.013 χ^2/NDF:24837.0/11

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

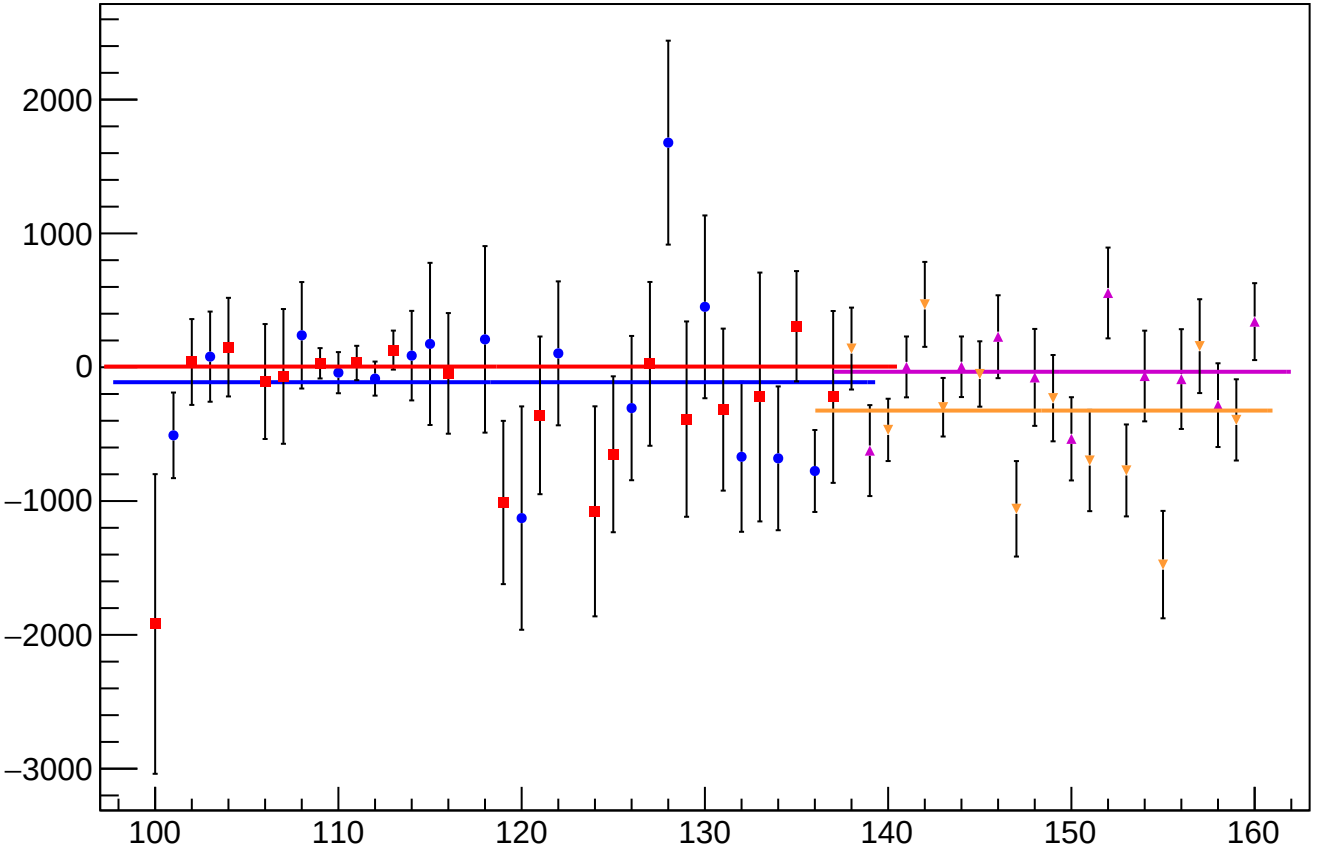
Left In: 56.032+/-0.013 χ^2/NDF:8542.7/10

+ sign 58.330+/-0.010 χ^2/NDF: 336037.6/27

All: 58.404+/-0.007 χ^2/NDF: 721637.5/57

- 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: -323.864+/-86.129 χ^2/NDF:27.3/11

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

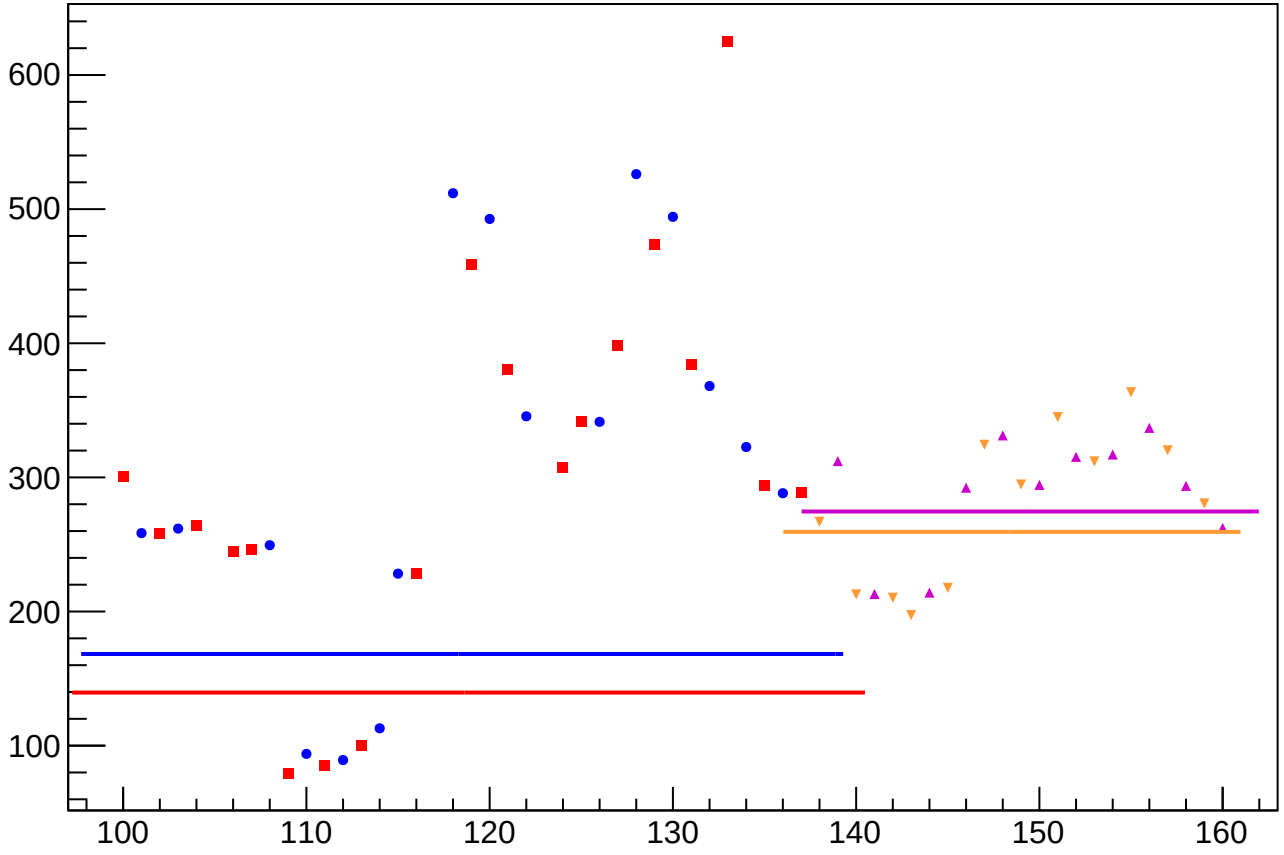
Left In: -33.931+/-90.244 χ^2/NDF:11.8/10

+ sign -204.974+/-57.076 χ^2/NDF: 49.2/27

All: -97.700+/-38.507 χ^2/NDF: 79.2/57

- 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: 259.402+/-0.061 χ^2/NDF:792082.3/11

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

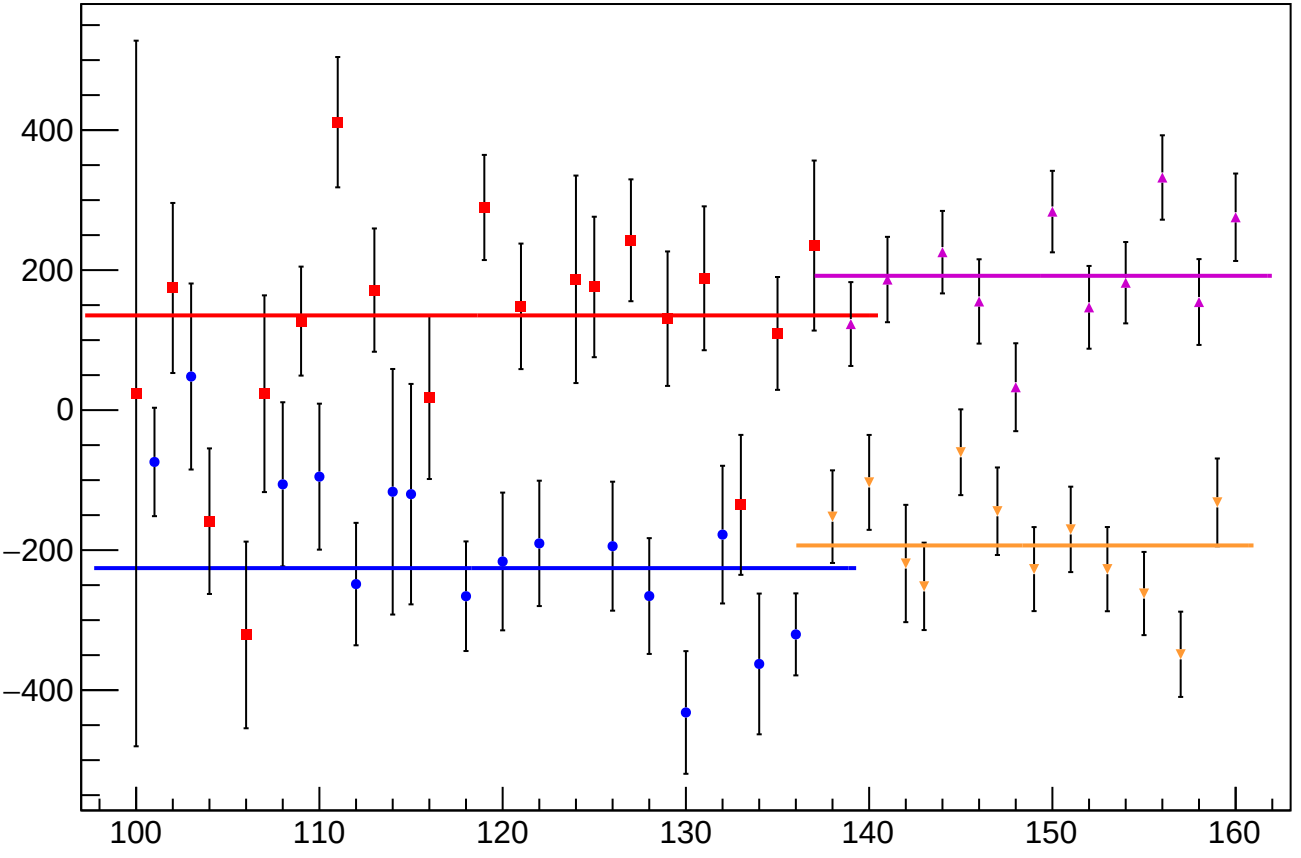
Left In: 274.570+/-0.064 χ^2/NDF:504373.8/10

+ sign 208.324+/-0.040 χ^2/NDF: 6590313.8/27

All: 195.452+/-0.027 χ^2/NDF: 15414545.1/57

- 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: -193.306+/-18.265 χ^2/NDF:18.1/11

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

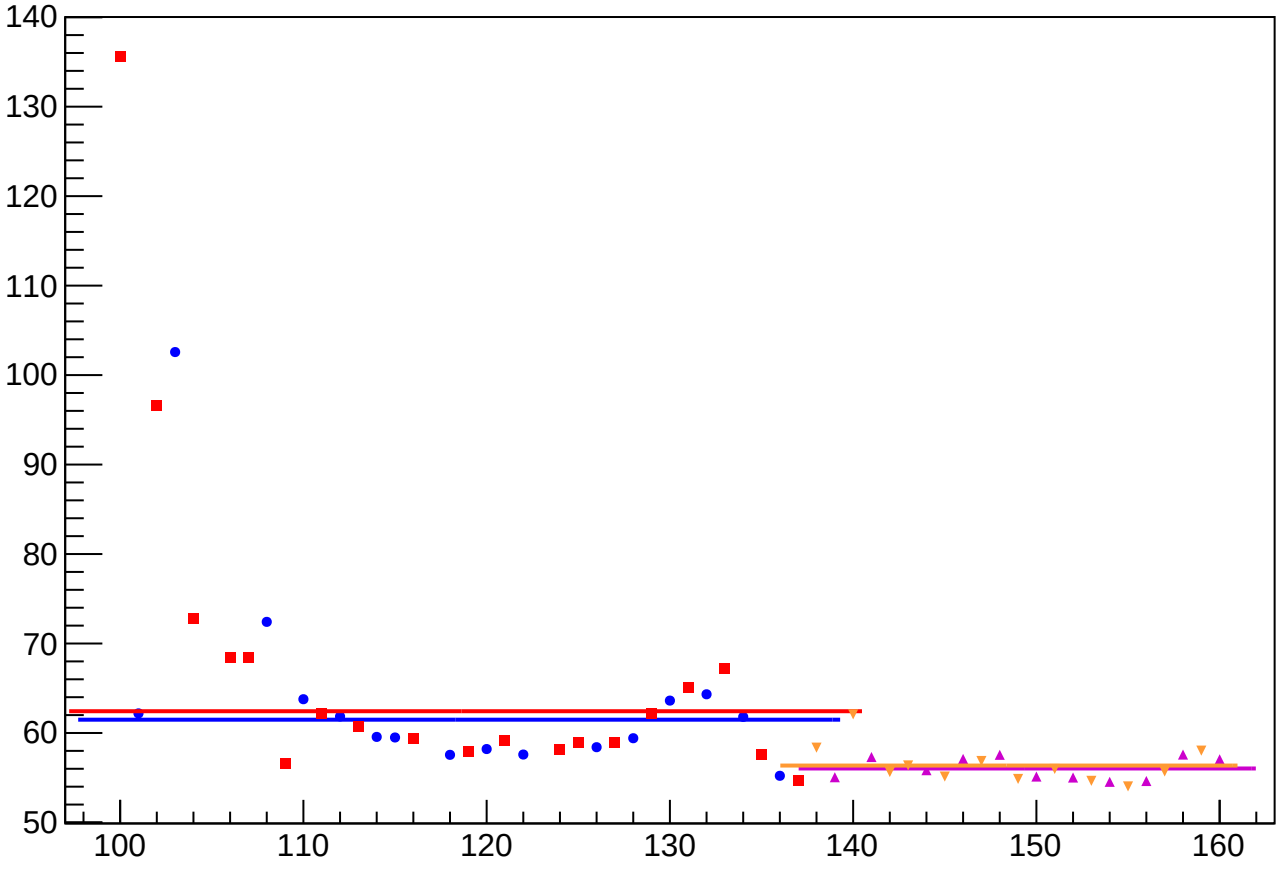
Left In: 191.876+/-18.137 χ^2/NDF:19.1/10

+ sign -205.752+/-14.332 χ^2/NDF: 41.9/27

All: -17.115+/-10.119 χ^2/NDF: 455.1/57

- 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: 56.360+/-0.013 χ^2/NDF:24837.0/11

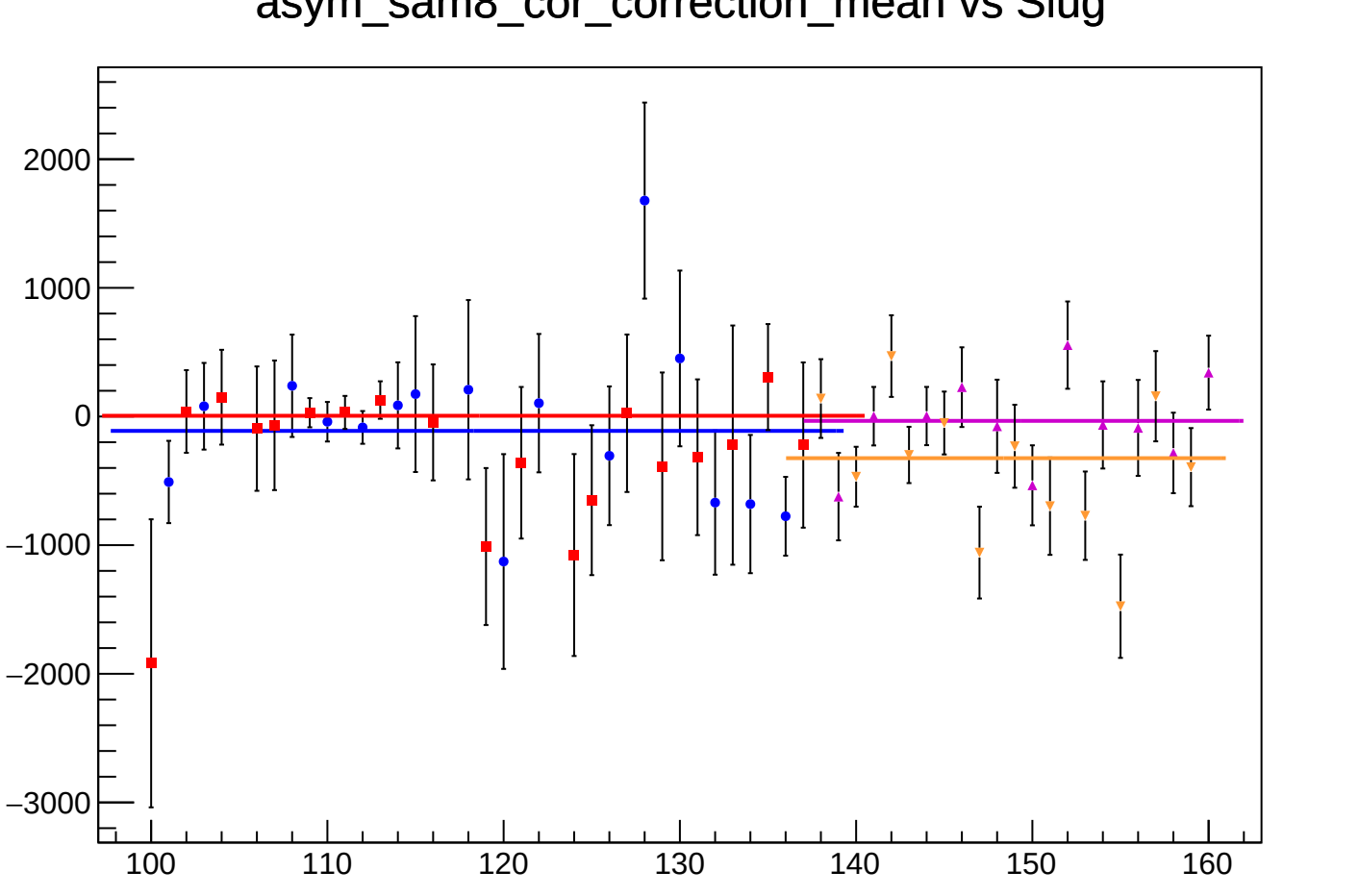
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.032+/-0.013 χ^2/NDF:8542.7/10

+ sign 58.330+/-0.010 χ^2/NDF: 336040.2/27

All: 58.395+/-0.007 χ^2/NDF: 718531.7/57

- 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: -323.863+/-86.129 χ^2/NDF:27.3/11

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

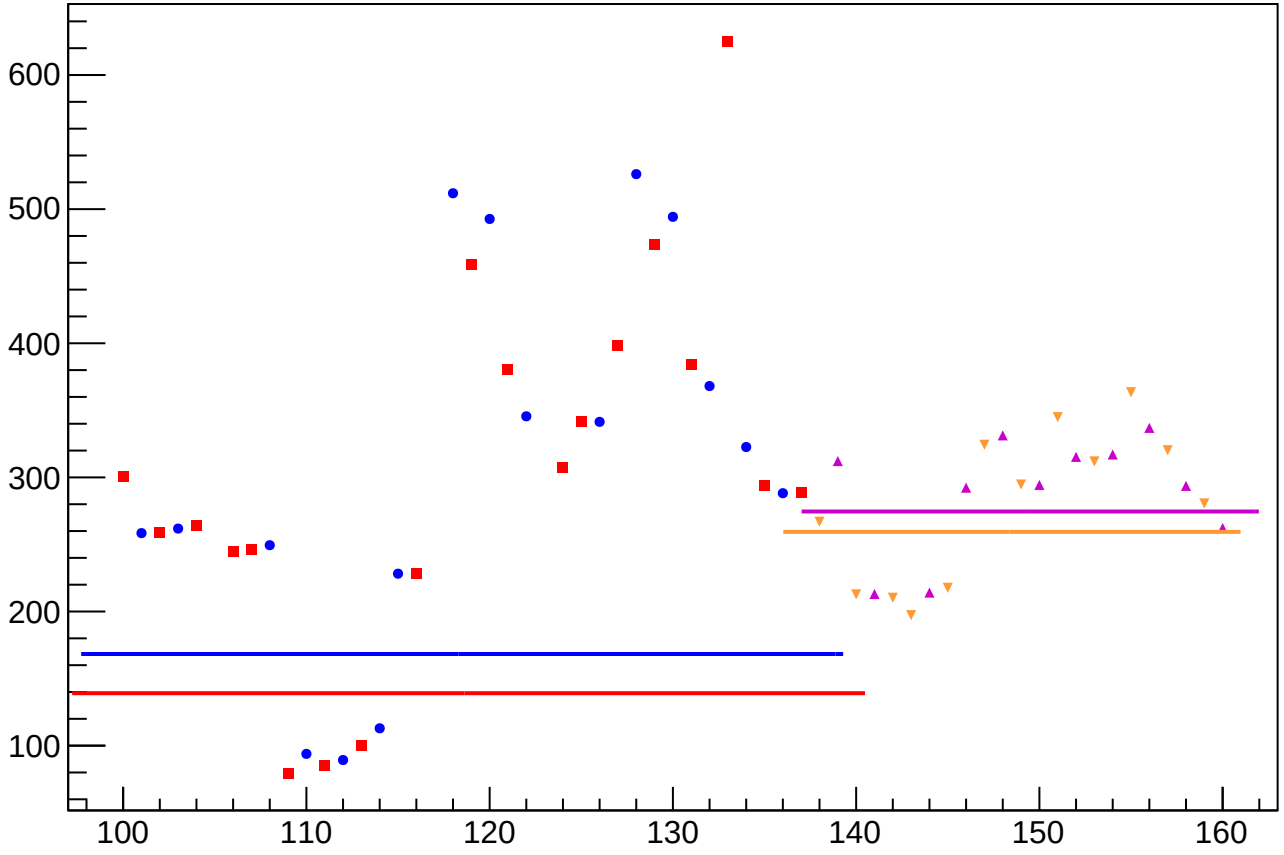
Left In: -33.929+/-90.244 χ^2/NDF:11.8/10

+ sign -204.964+/-57.076 χ^2/NDF: 49.2/27

All: -97.610+/-38.540 χ^2/NDF: 79.2/57

- 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: 259.402+/-0.061 χ^2/NDF:792087.3/11

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

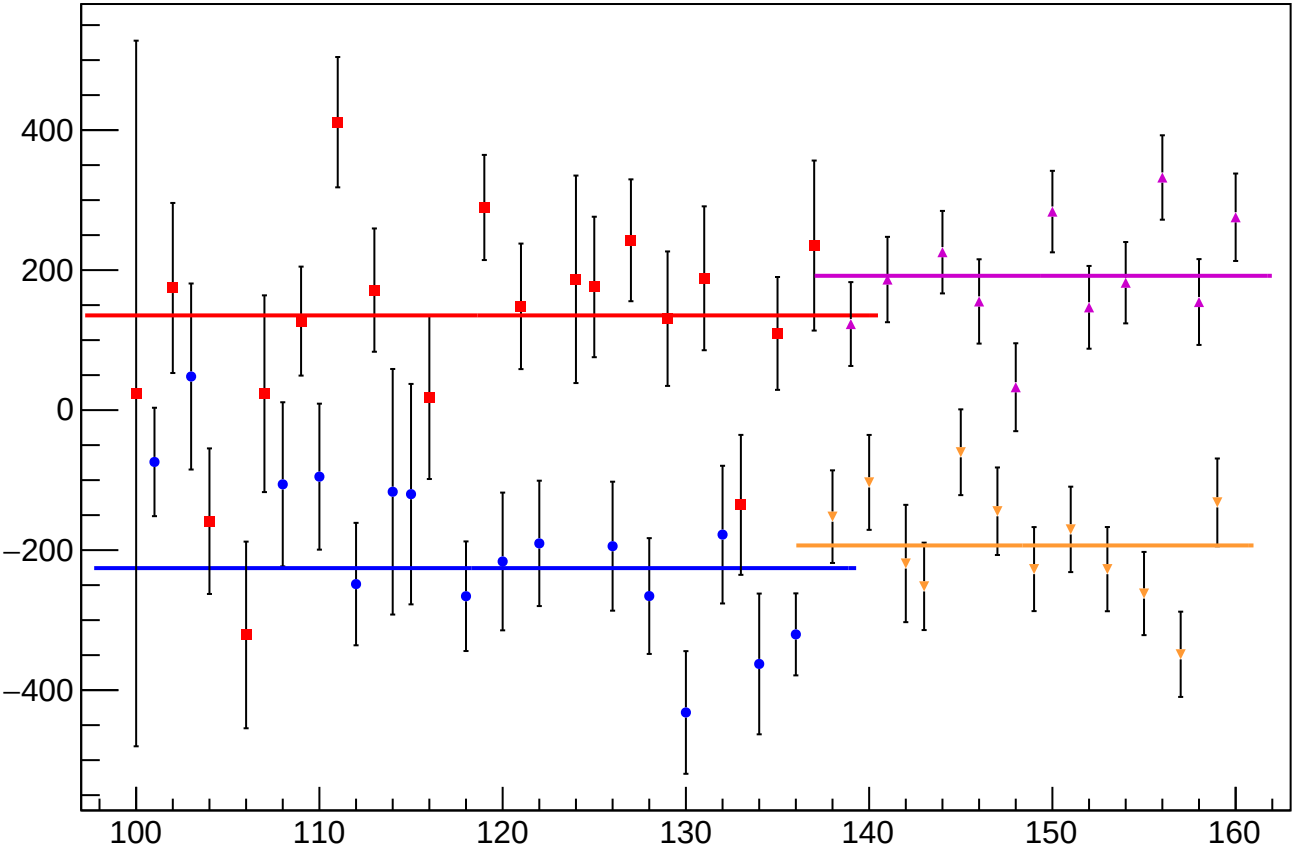
Left In: 274.570+/-0.064 χ^2/NDF:504374.0/10

+ sign 208.324+/-0.040 χ^2/NDF: 6590355.1/27

All: 195.372+/-0.027 χ^2/NDF: 15409906.4/57

- 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: -193.306+/-18.265 χ^2/NDF:18.1/11

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

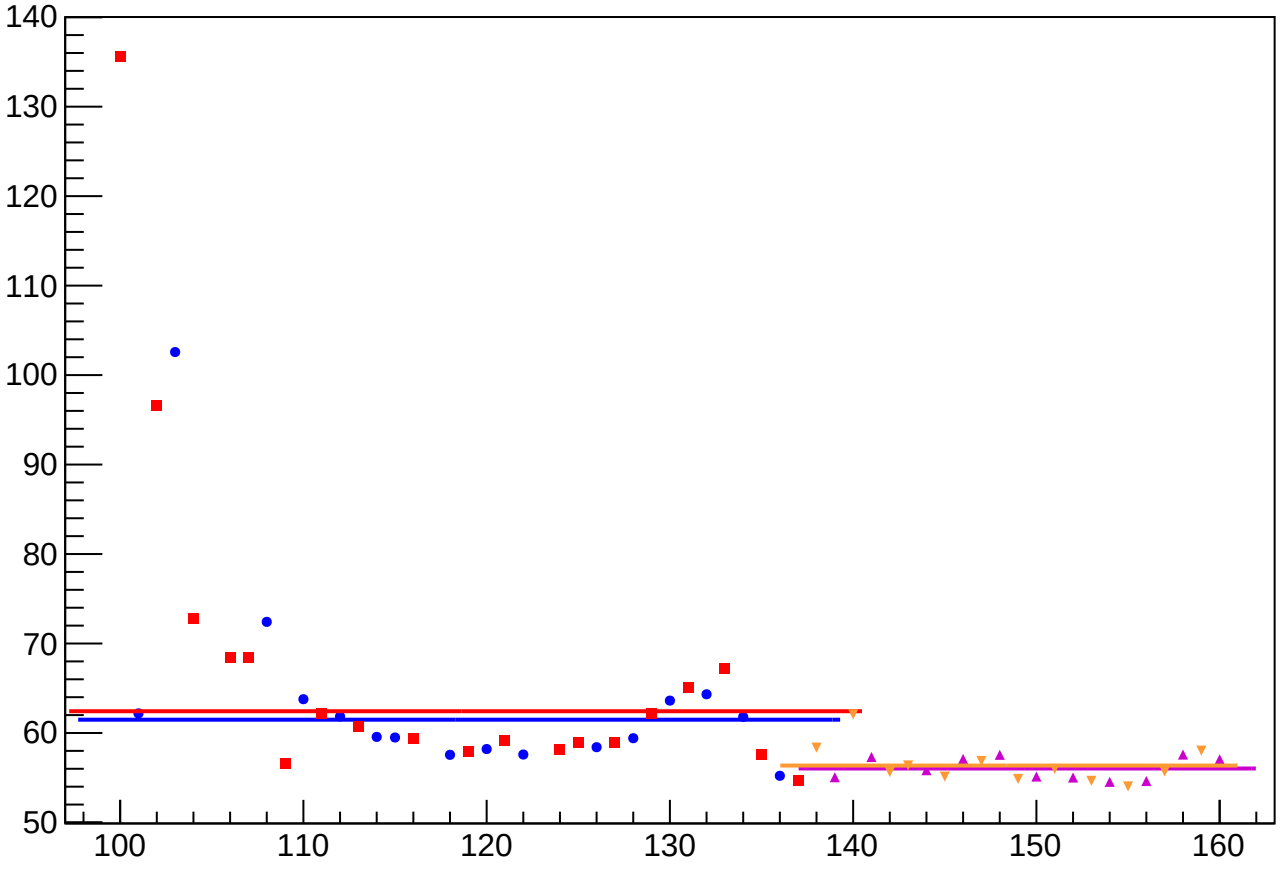
Left In: 191.876+/-18.137 χ^2/NDF:19.1/10

+ sign -205.752+/-14.332 χ^2/NDF: 41.9/27

All: -17.115+/-10.119 χ^2/NDF: 455.1/57

- 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: 56.360+/-0.013 χ^2/NDF:24837.0/11

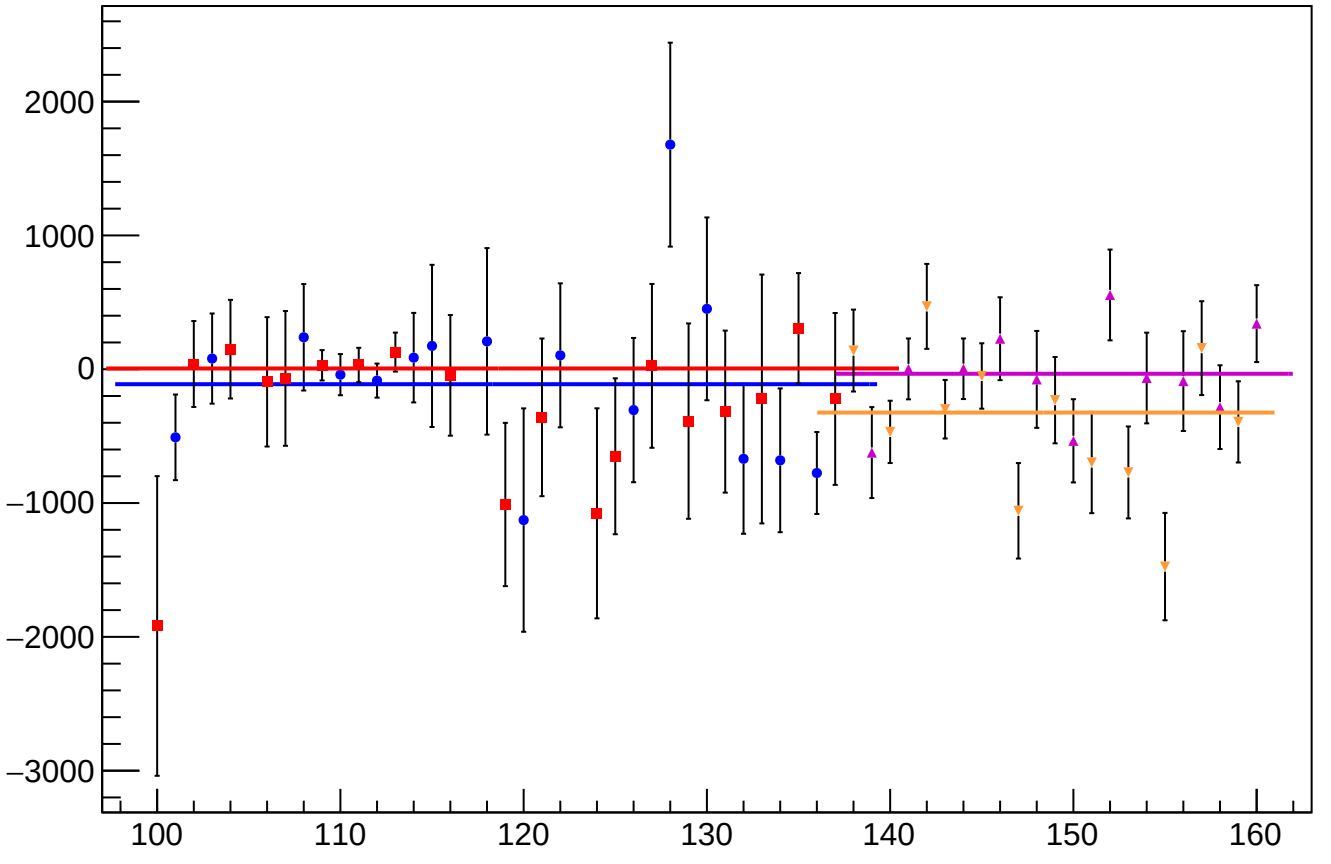
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.032+/-0.013 χ^2/NDF:8542.7/10

+ sign 58.330+/-0.010 χ^2/NDF: 336040.2/27

All: 58.395+/-0.007 χ^2/NDF: 718531.7/57

- 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: -323.863+/-86.129 χ^2/NDF:27.3/11

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

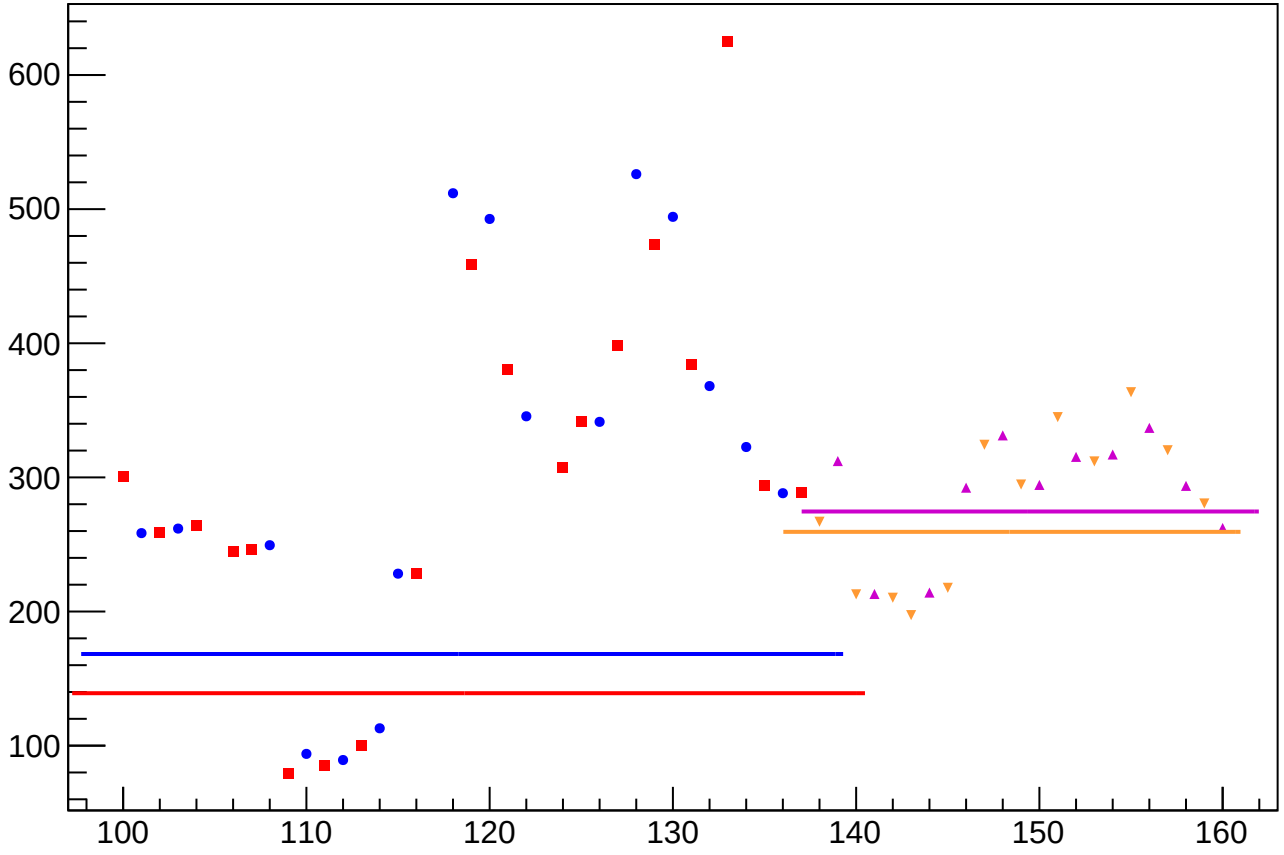
Left In: -33.929+/-90.244 χ^2/NDF:11.8/10

+ sign -204.964+/-57.076 χ^2/NDF: 49.2/27

All: -97.610+/-38.540 χ^2/NDF: 79.2/57

- 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: 259.402+/-0.061 χ^2/NDF:792087.3/11

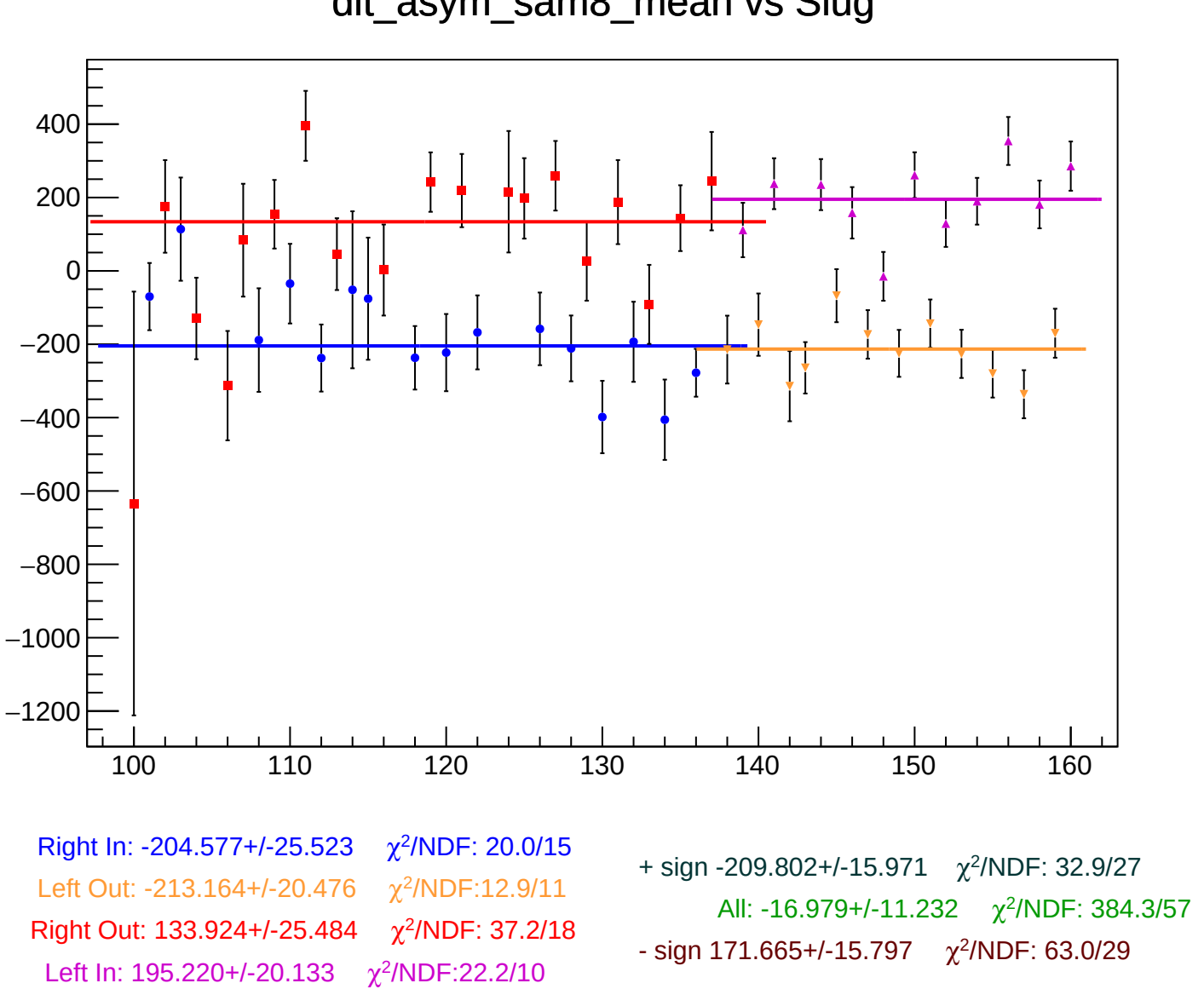
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 274.570+/-0.064 χ^2/NDF:504374.0/10

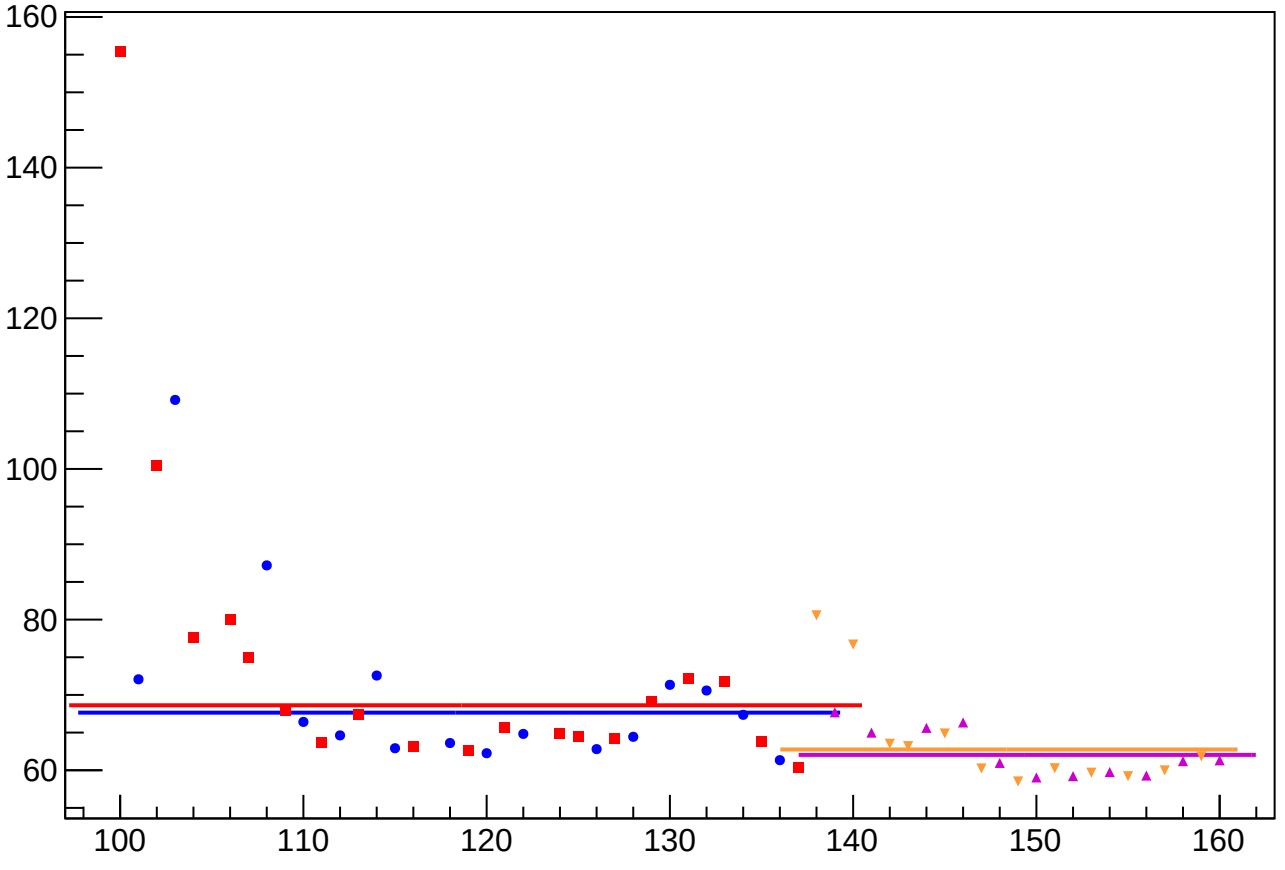
+ sign 208.324+/-0.040 χ^2/NDF: 6590355.1/27

All: 195.372+/-0.027 χ^2/NDF: 15409906.4/57

- sign 184.517+/-0.037 χ^2/NDF: 8630239.4/29


dit_asym_sam8_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
Right In: -204.577+/-25.523 χ²/NDF: 20.0/15
Left Out: -213.164+/-20.476 χ²/NDF:12.9/11
Right Out: 133.924+/-25.484 χ²/NDF: 37.2/18
Left In: 195.220+/-20.133 χ²/NDF:22.2/10
+ sign -209.802+/-15.971 χ²/NDF: 32.9/27
All: -16.979+/-11.232 χ²/NDF: 384.3/57
- sign 171.665+/-15.797 χ²/NDF: 63.0/29

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 62.760+/-0.014 χ^2/NDF:158702.5/11

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

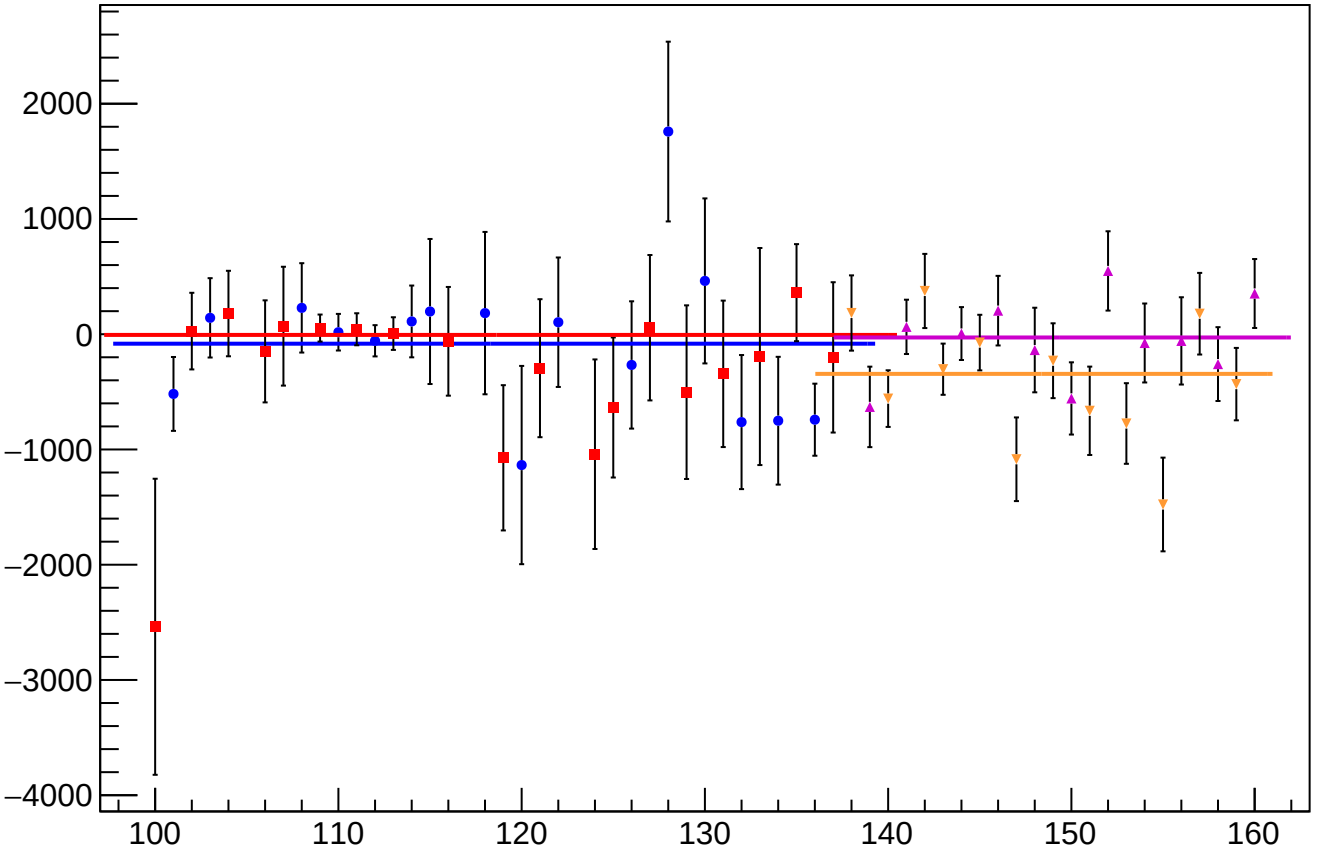
Left In: 62.039+/-0.014 χ^2/NDF:43822.0/10

+ sign 64.674+/-0.011 χ^2/NDF: 466990.6/27

All: 64.621+/-0.008 χ^2/NDF: 841254.9/57

- 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: -344.095+/-87.955 χ^2/NDF:26.2/11

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

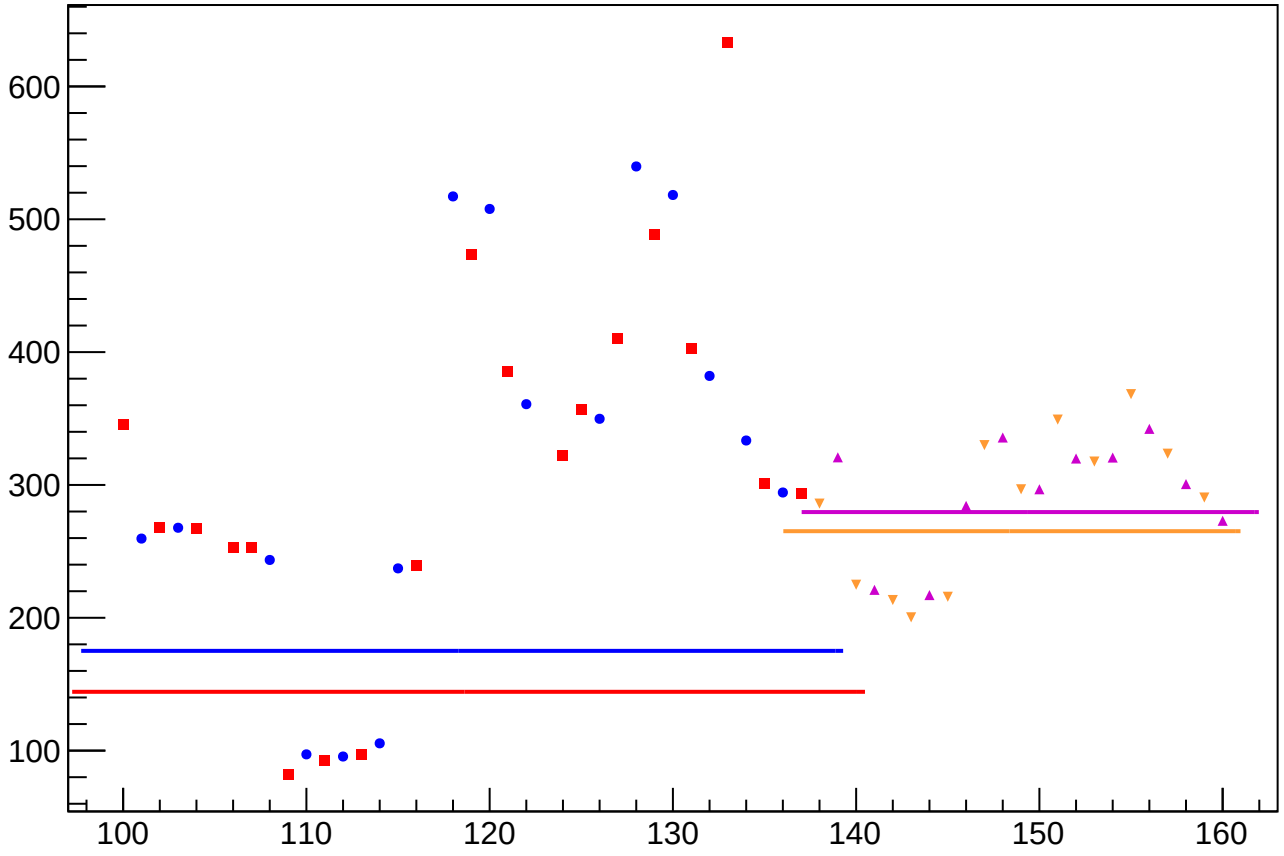
Left In: -28.259+/-91.809 χ^2/NDF:11.7/10

+ sign -198.624+/-58.639 χ^2/NDF: 50.3/27

All: -97.728+/-39.539 χ^2/NDF: 79.5/57

- 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: 265.193+/-0.062 χ^2/NDF:787726.4/11

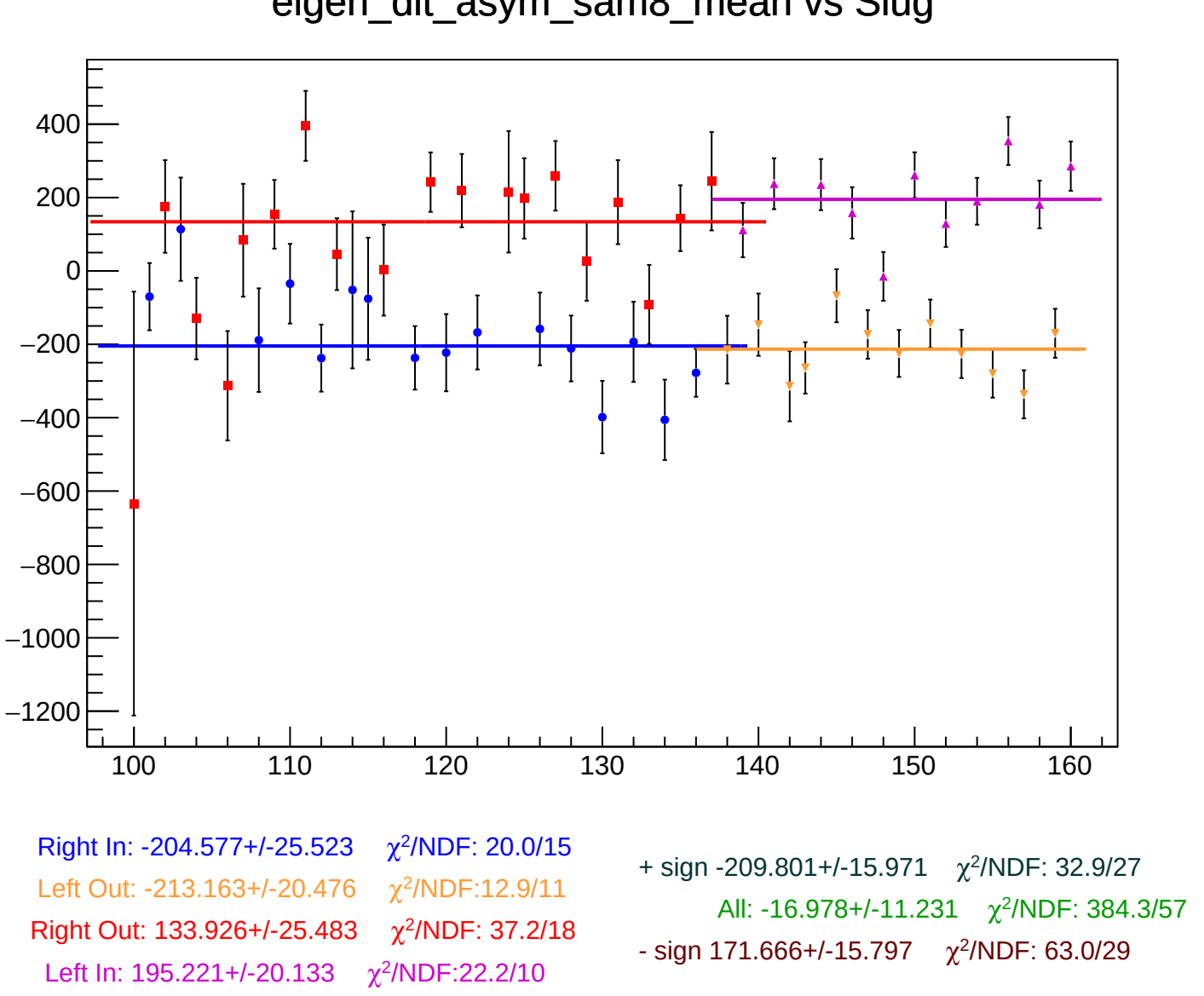
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 279.584+/-0.065 χ^2/NDF:473392.0/10

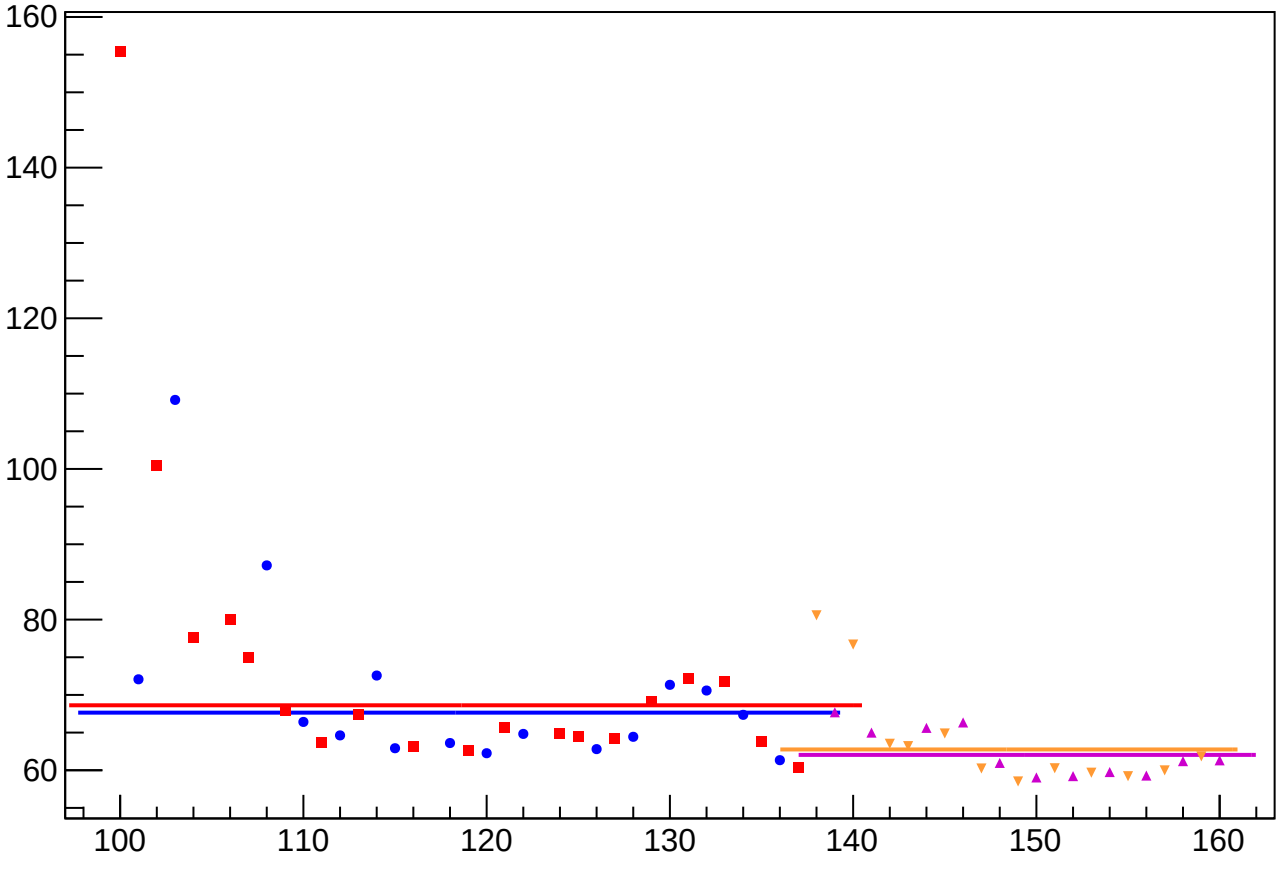
+ sign 215.145+/-0.041 χ^2/NDF: 6382515.5/27

All: 201.593+/-0.028 χ^2/NDF: 15050894.9/57

- sign 190.295+/-0.038 χ^2/NDF: 8472504.1/29


eigen_dit_asym_sam8_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
Right In: -204.577+/-25.523 χ²/NDF: 20.0/15
Left Out: -213.163+/-20.476 χ²/NDF:12.9/11
Right Out: 133.926+/-25.483 χ²/NDF: 37.2/18
Left In: 195.221+/-20.133 χ²/NDF:22.2/10
+ sign -209.801+/-15.971 χ²/NDF: 32.9/27
All: -16.978+/-11.231 χ²/NDF: 384.3/57
- sign 171.666+/-15.797 χ²/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: 62.760+/-0.014 χ^2/NDF:158701.5/11

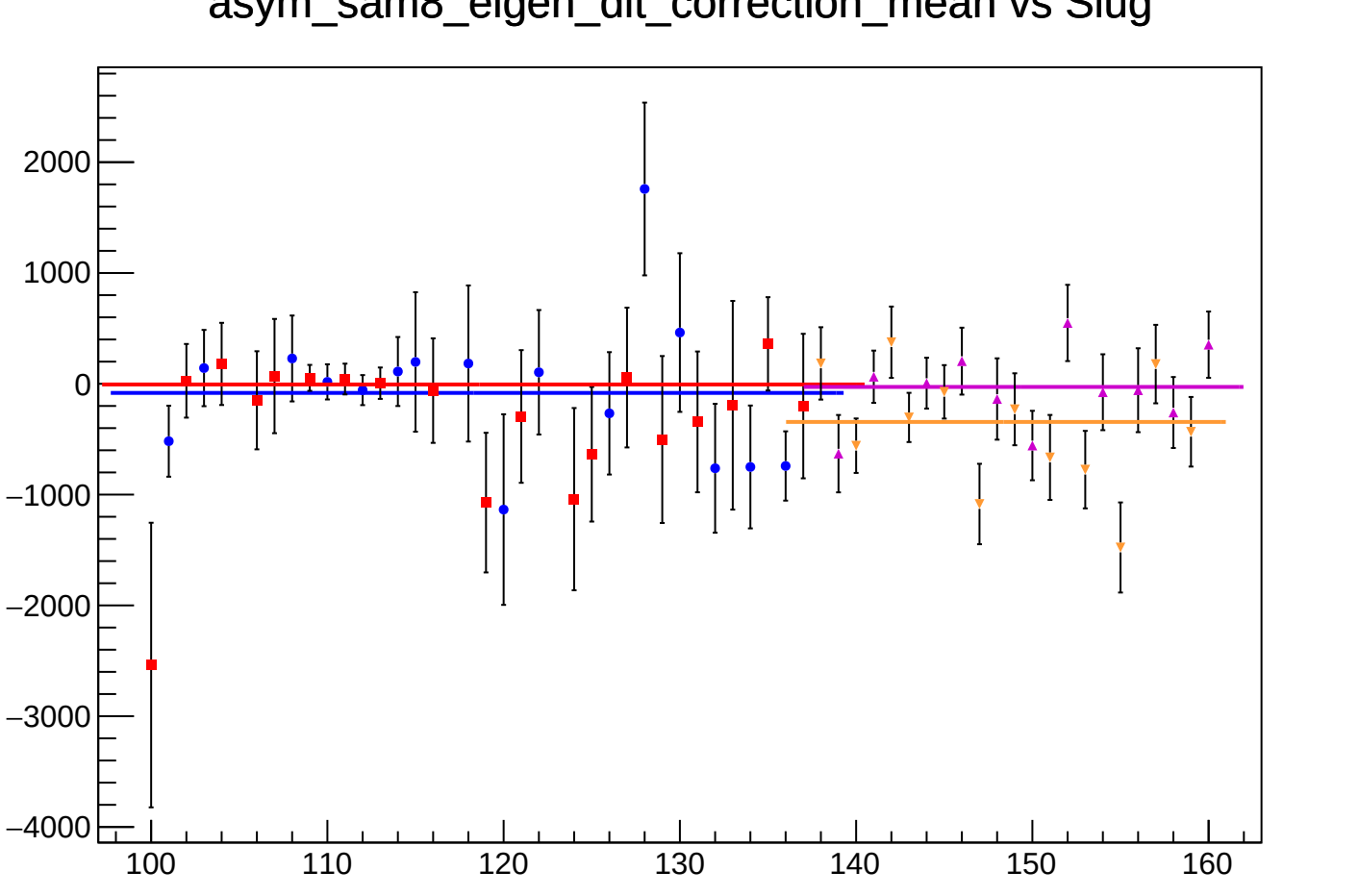
Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 62.039+/-0.014 χ^2/NDF:43822.8/10

+ sign 64.674+/-0.011 χ^2/NDF: 466984.6/27

All: 64.621+/-0.008 χ^2/NDF: 841245.0/57

- sign 64.569+/-0.011 χ^2/NDF: 374217.1/29



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -344.094+/-87.955 χ^2/NDF:26.2/11

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

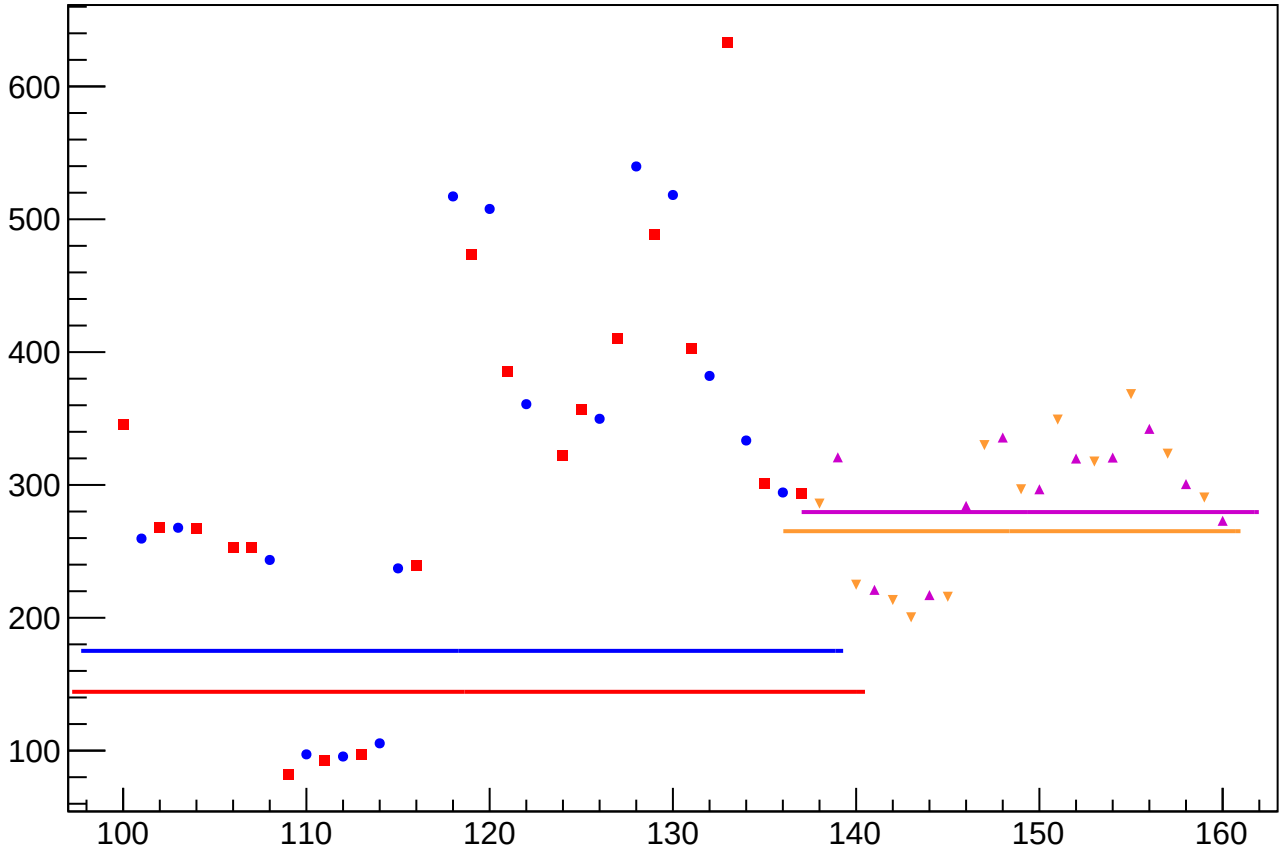
Left In: -28.258+/-91.809 χ^2/NDF:11.7/10

+ sign -198.622+/-58.639 χ^2/NDF: 50.3/27

All: -97.727+/-39.539 χ^2/NDF: 79.5/57

- 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: 265.192+/-0.062 χ^2/NDF:787734.4/11

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

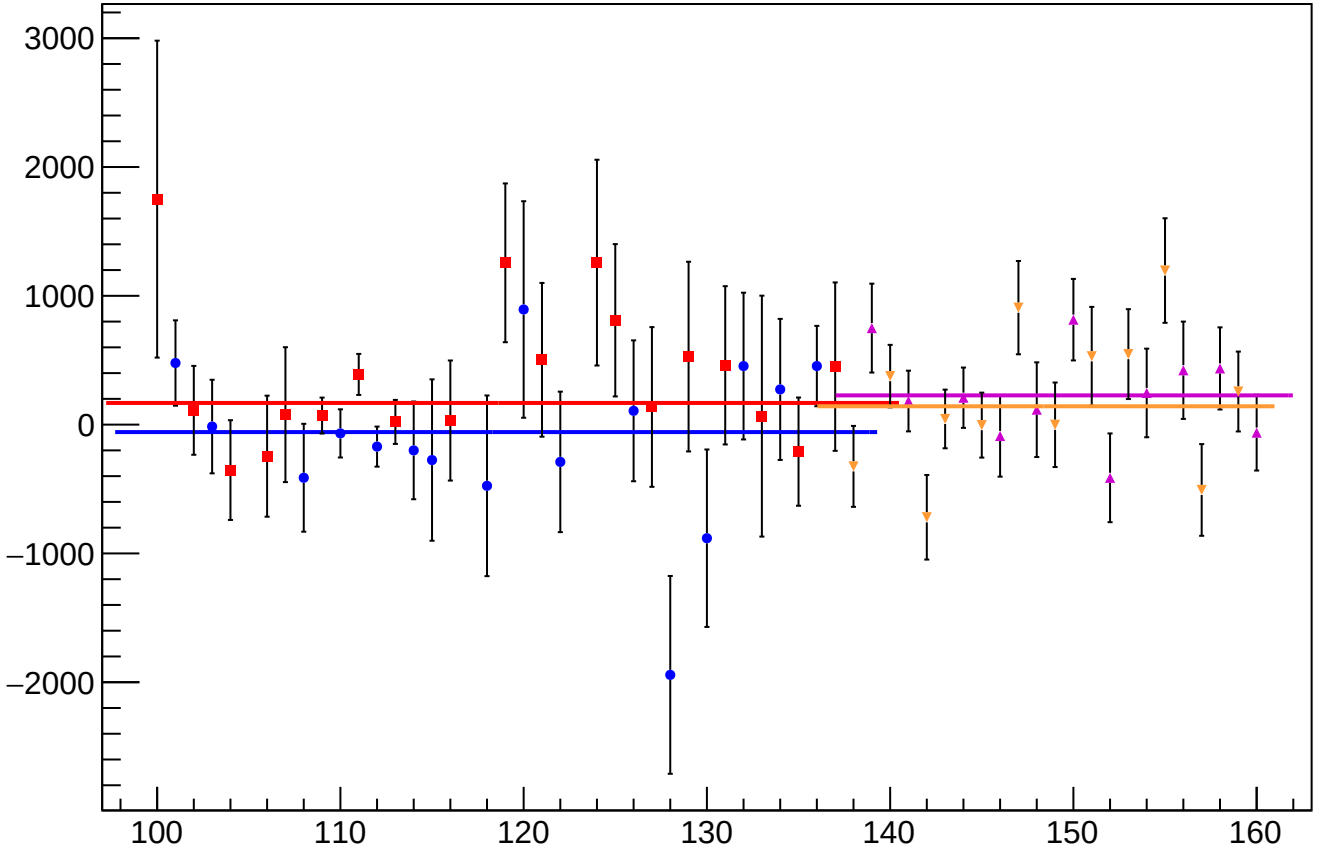
Left In: 279.583+/-0.065 χ^2/NDF:473393.0/10

+ sign 215.143+/-0.041 χ^2/NDF: 6382564.8/27

All: 201.592+/-0.028 χ^2/NDF: 15050904.6/57

- 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: 142.341+/-88.501 χ^2/NDF:27.8/11

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

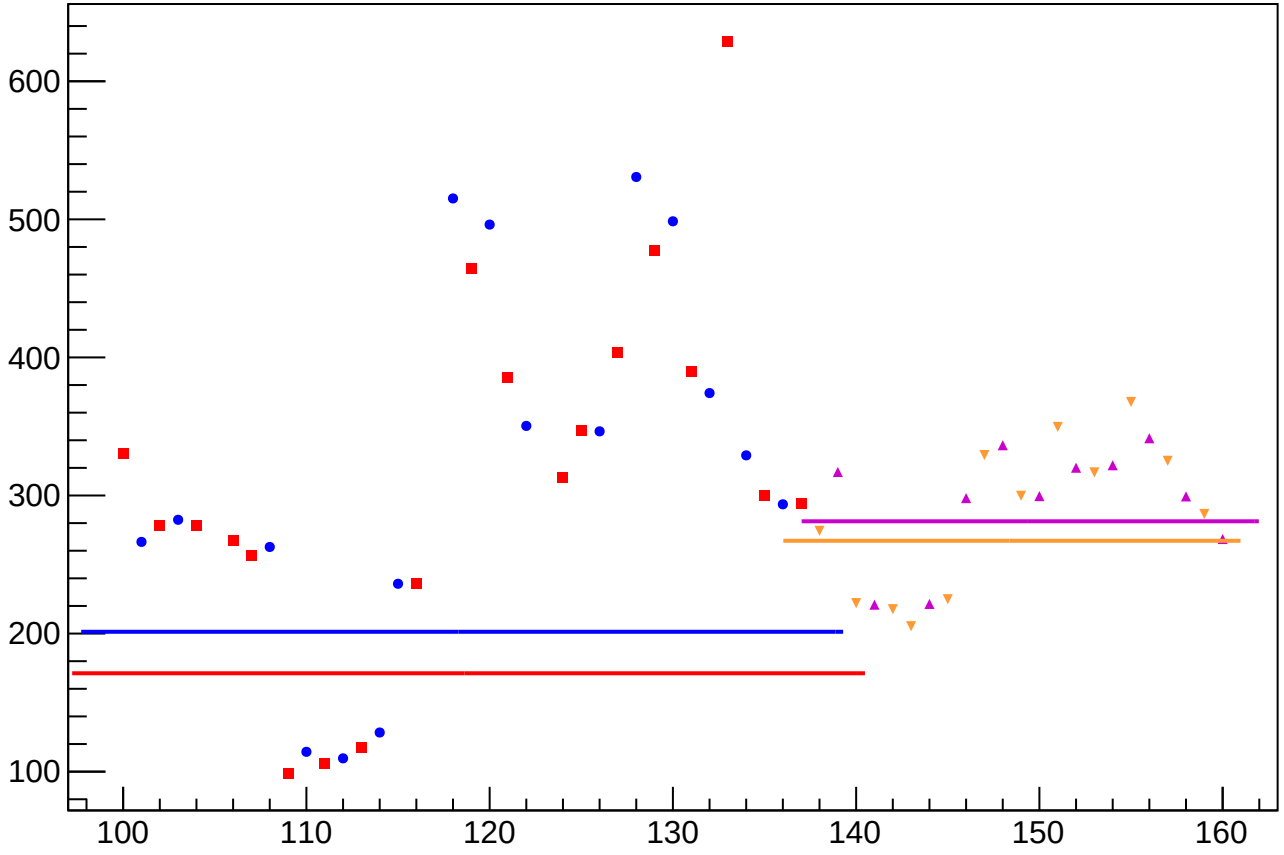
Left In: 227.024+/-92.322 χ^2/NDF:12.0/10

\+ sign 40.346+/-62.003 χ^2/NDF: 47.8/27

All: 120.933+/-42.366 χ^2/NDF: 78.7/57

\- 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: 267.207+/-0.063 χ^2/NDF:714661.4/11

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

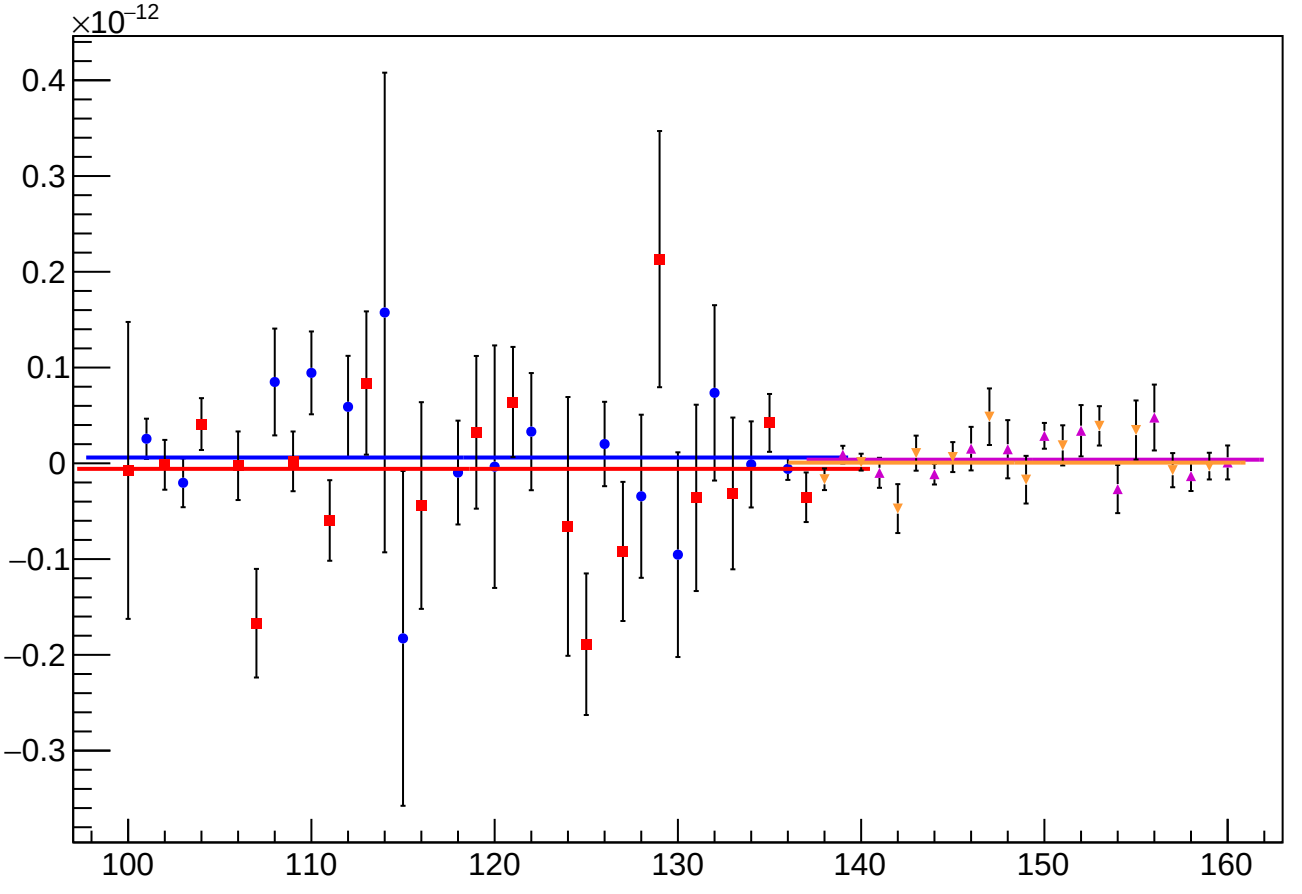
Left In: 281.315+/-0.065 χ^2/NDF:454598.1/10

+ sign 233.649+/-0.044 χ^2/NDF: 4851610.6/27

All: 223.561+/-0.030 χ^2/NDF: 11317823.5/57

- sign 214.727+/-0.041 χ^2/NDF: 6366908.2/29

asym_sam8_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/11

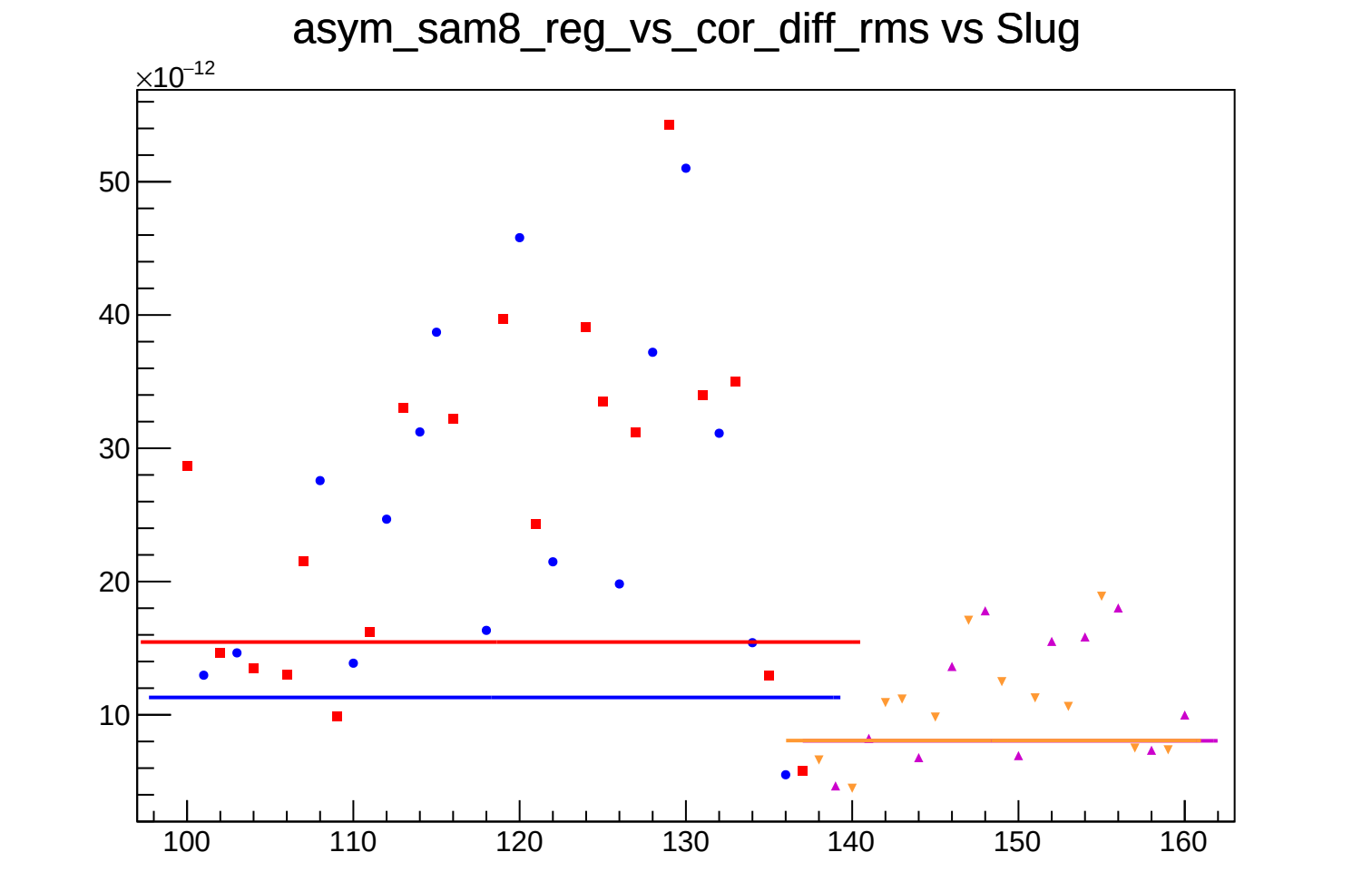
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 29.3/27

All: 0.000+/-0.000 χ^2/NDF: 73.0/57

- 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:1052211.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

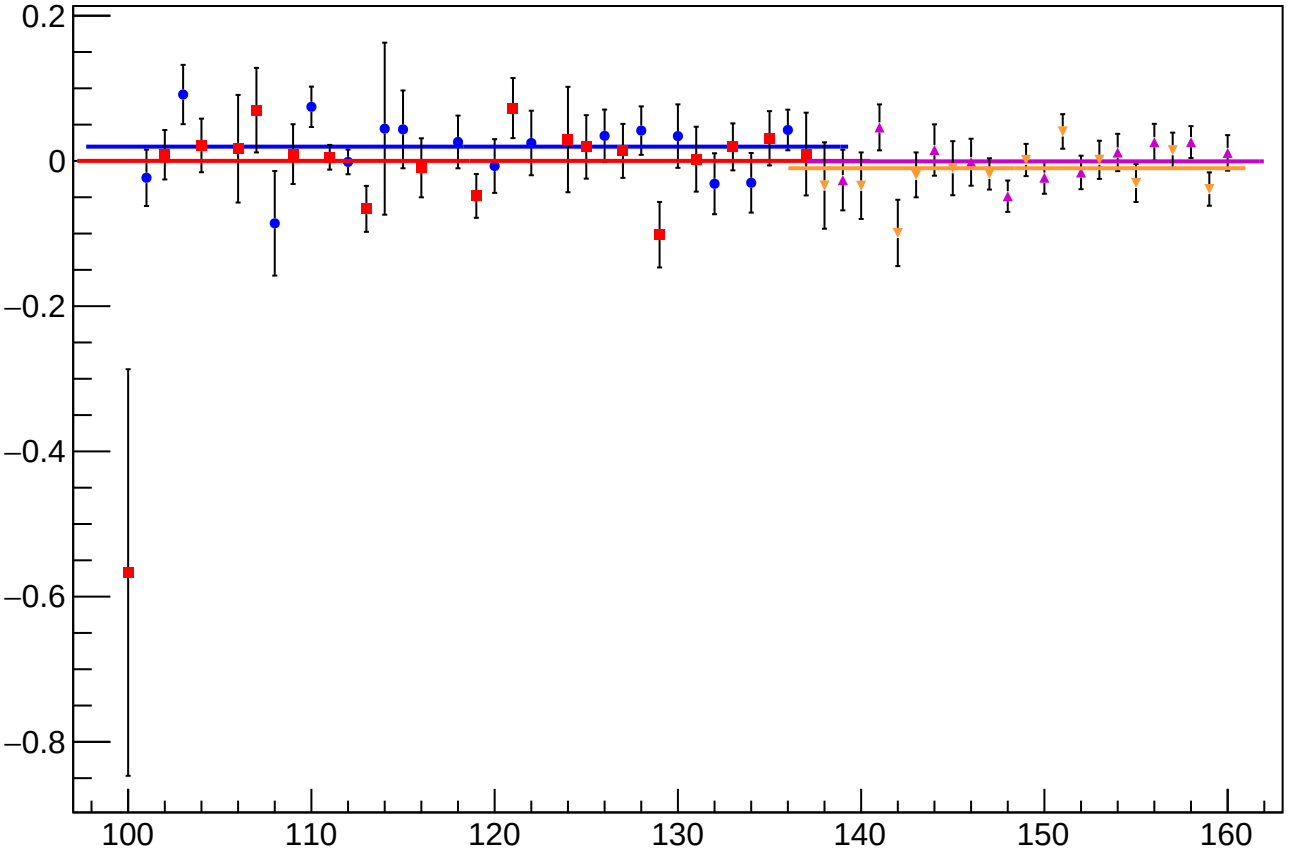
Left In: 0.000+/-0.000 χ^2/NDF:1179304.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 3073772.7/27

All: 0.000+/-0.000 χ^2/NDF: 6578709.7/57

- 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: -0.010+/-0.008 χ^2/NDF:12.7/11

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

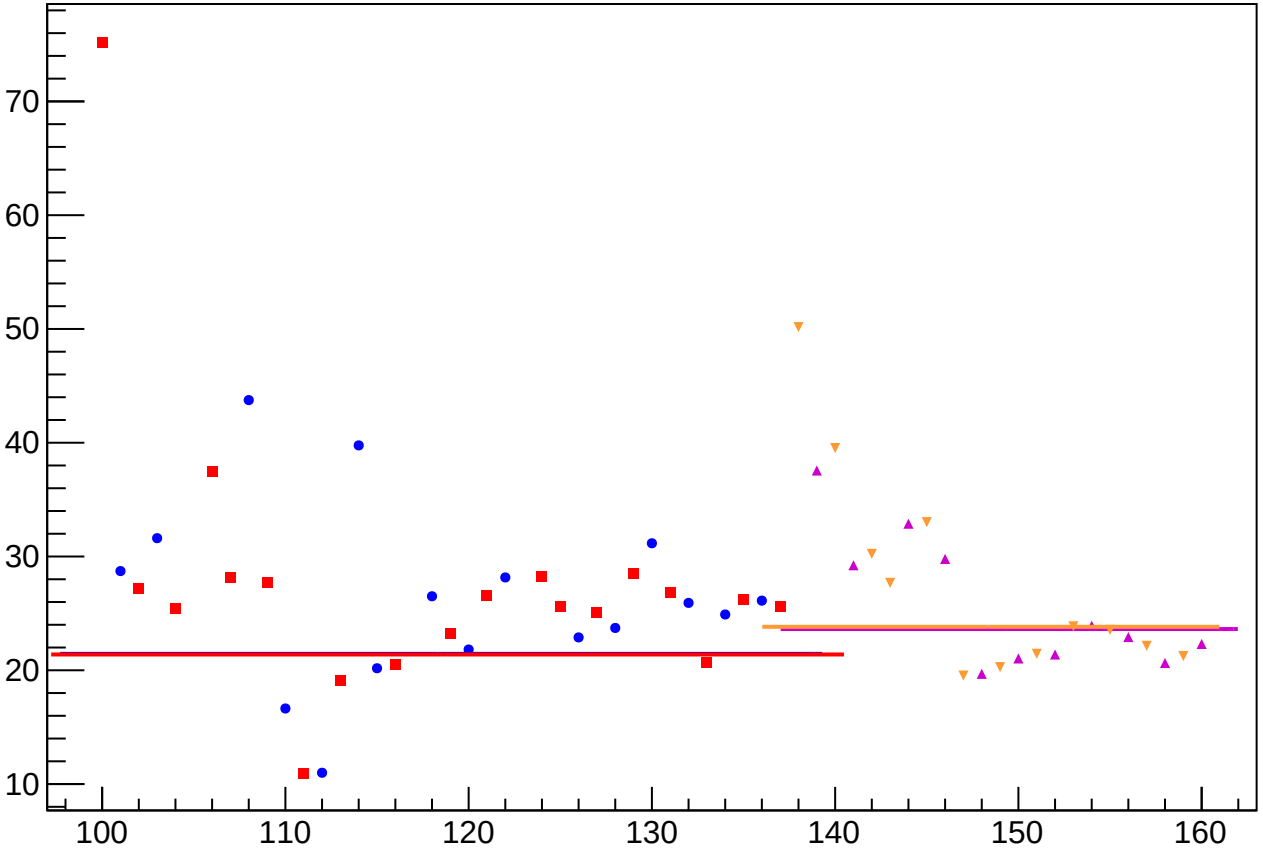
Left In: -0.001+/-0.008 χ^2/NDF:12.2/10

+ sign 0.004+/-0.006 χ^2/NDF: 36.0/27

All: 0.002+/-0.004 χ^2/NDF: 71.2/57

- 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: 23.821+/-0.006 χ^2/NDF:1005014.0/11

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

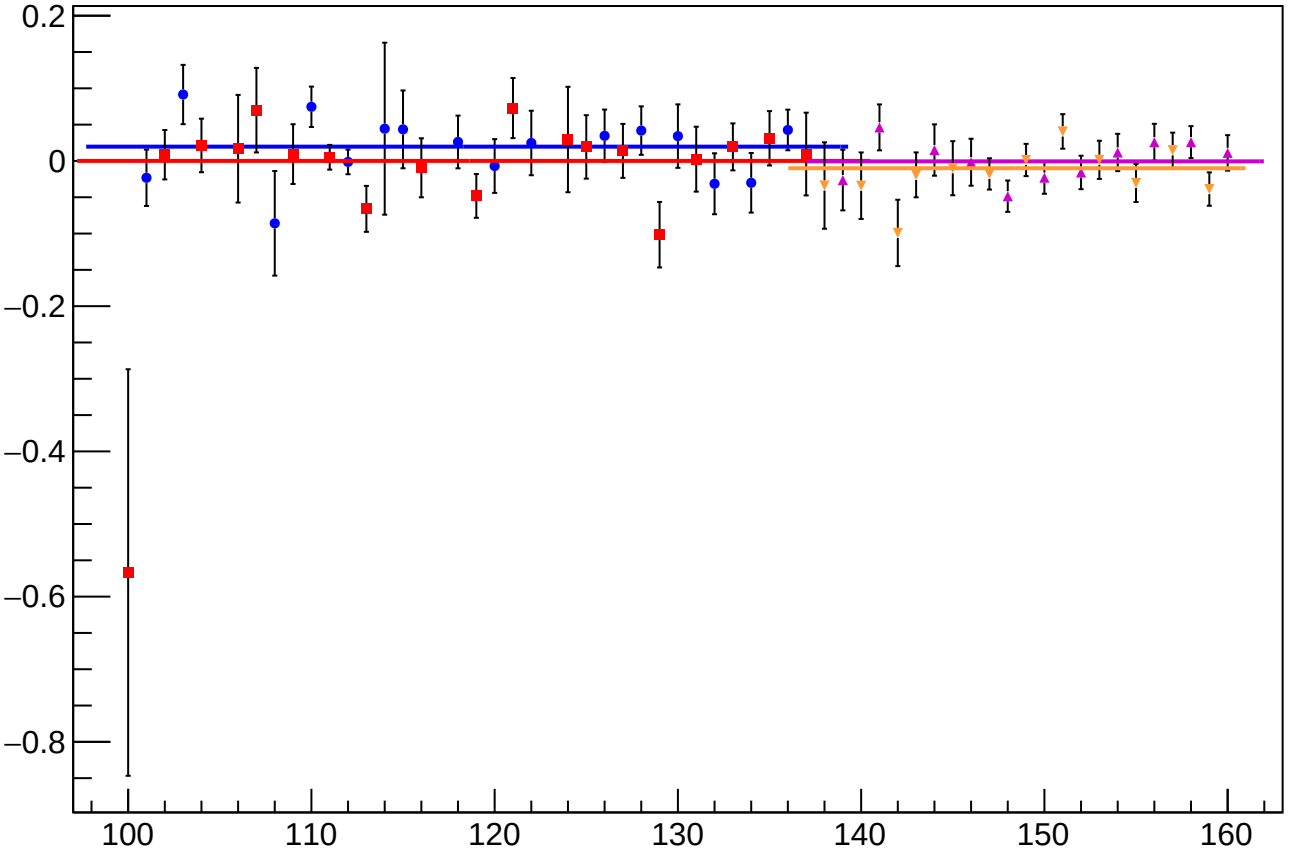
Left In: 23.624+/-0.006 χ^2/NDF:652149.1/10

\+ sign 22.724+/-0.004 χ^2/NDF: 2626433.1/27

All: 22.658+/-0.003 χ^2/NDF: 4665468.2/57

\- 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: -0.010+/-0.008 χ^2/NDF:12.7/11

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

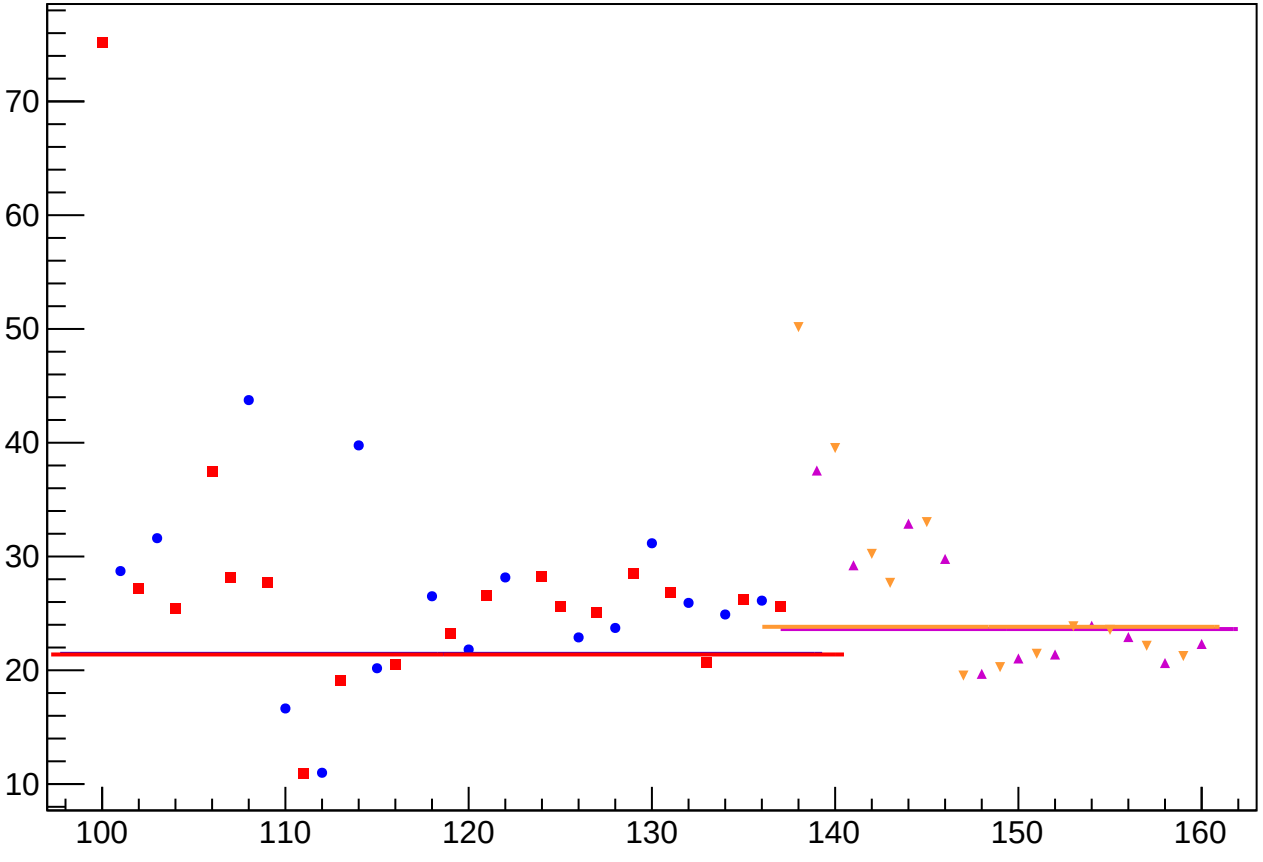
Left In: -0.001+/-0.008 χ^2/NDF:12.2/10

+ sign 0.004+/-0.006 χ^2/NDF: 36.0/27

All: 0.002+/-0.004 χ^2/NDF: 71.2/57

- 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: 23.821+/-0.006 χ^2/NDF:1005014.0/11

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

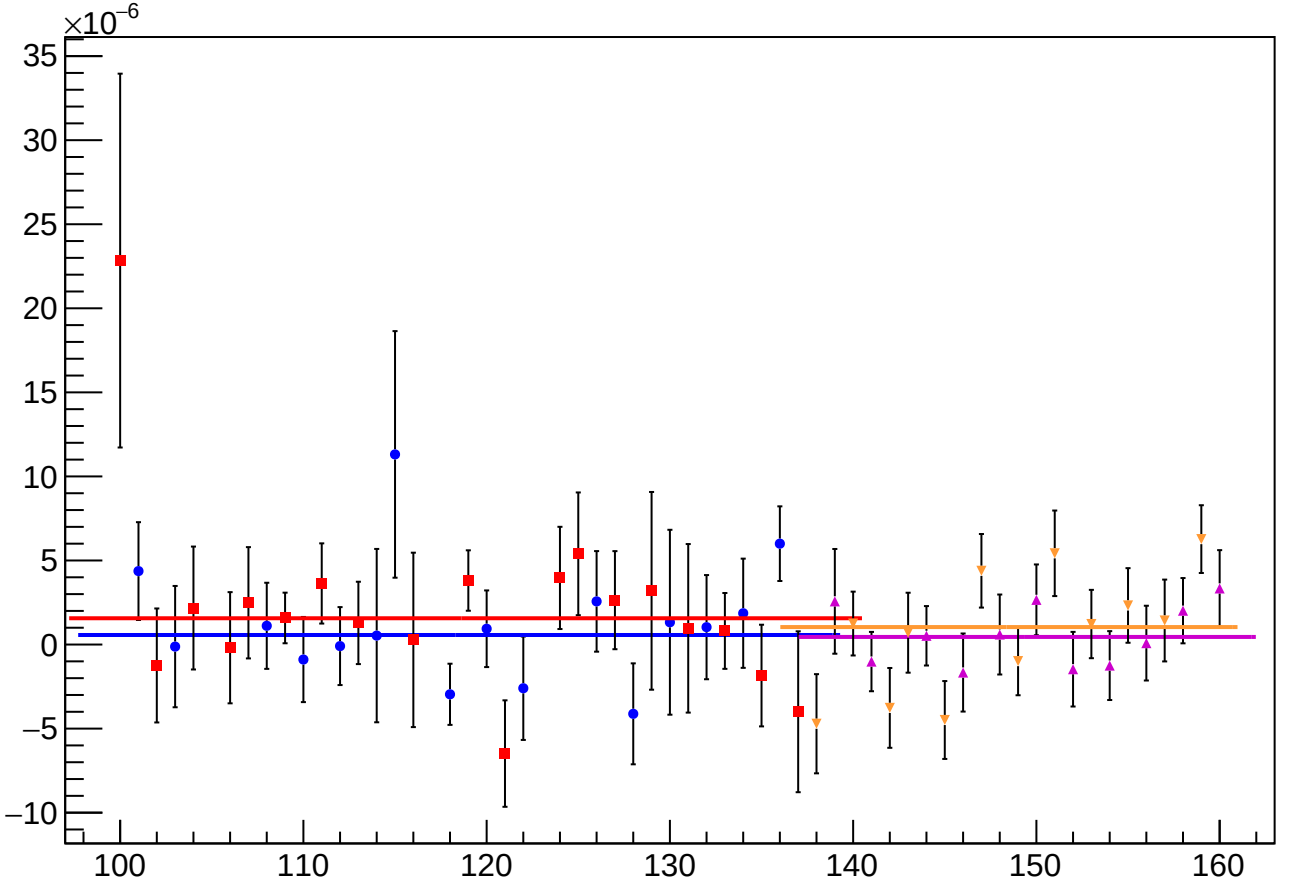
Left In: 23.624+/-0.006 χ^2/NDF:652149.1/10

+ sign 22.724+/-0.004 χ^2/NDF: 2626433.1/27

All: 22.658+/-0.003 χ^2/NDF: 4665468.2/57

- 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:27.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

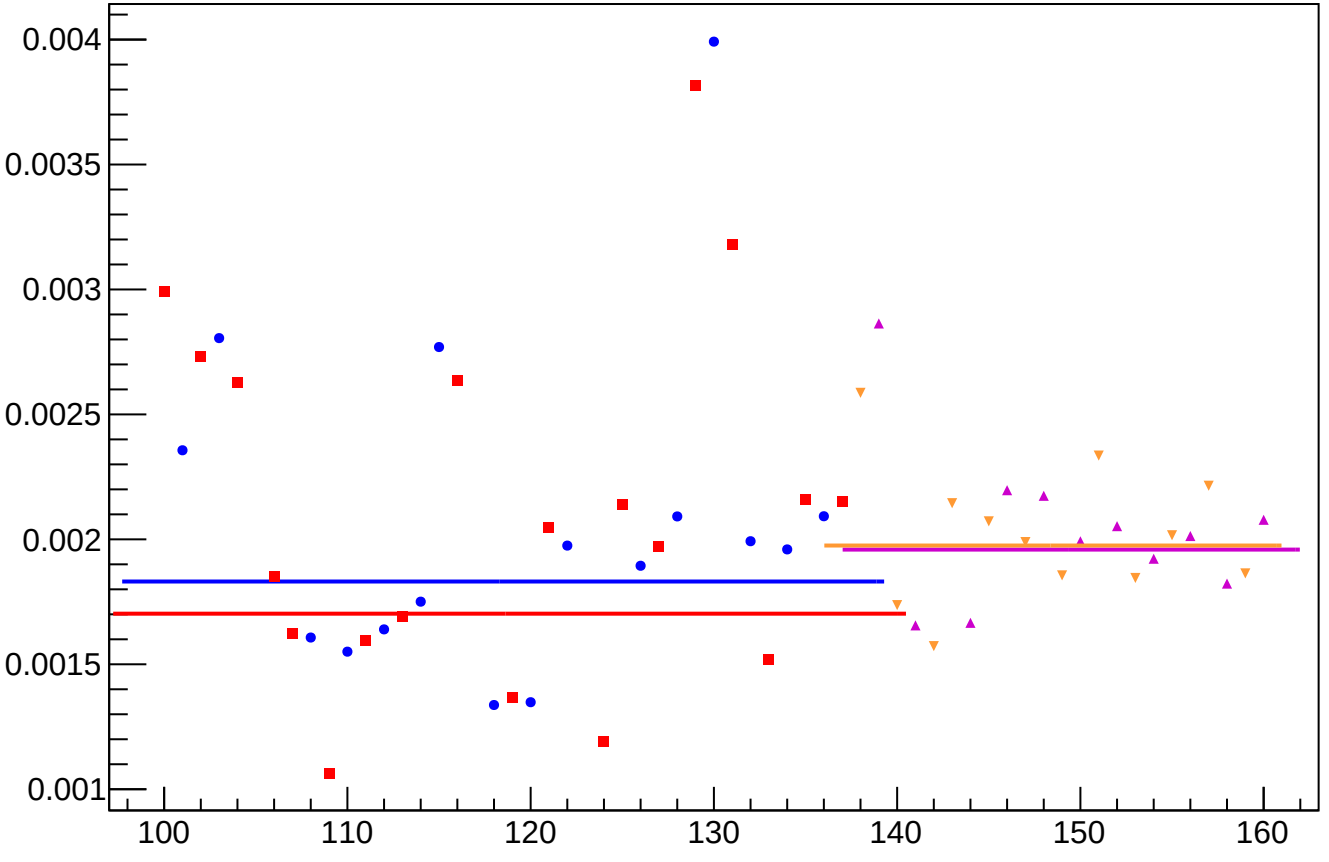
Left In: 0.000+/-0.000 χ^2/NDF:6.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 45.6/27

All: 0.000+/-0.000 χ^2/NDF: 72.2/57

- sign 0.000+/-0.000 χ^2/NDF: 26.5/29

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:269908.3/11

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

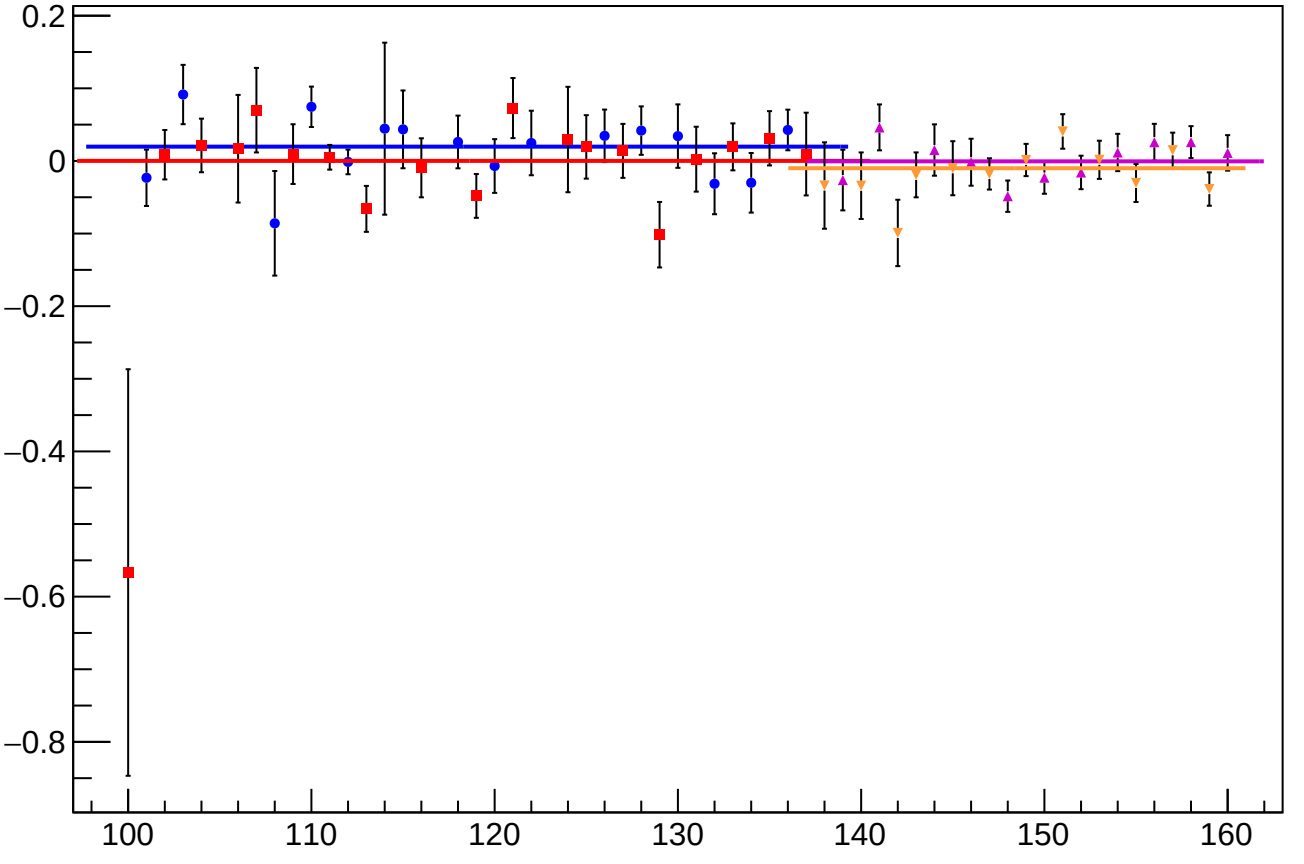
Left In: 0.002+/-0.000 χ^2/NDF:341488.4/10

+ sign 0.002+/-0.000 χ^2/NDF: 1215600.3/27

All: 0.002+/-0.000 χ^2/NDF: 3216711.0/57

- sign 0.002+/-0.000 χ^2/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: -0.010+/-0.008 χ^2/NDF:12.7/11

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

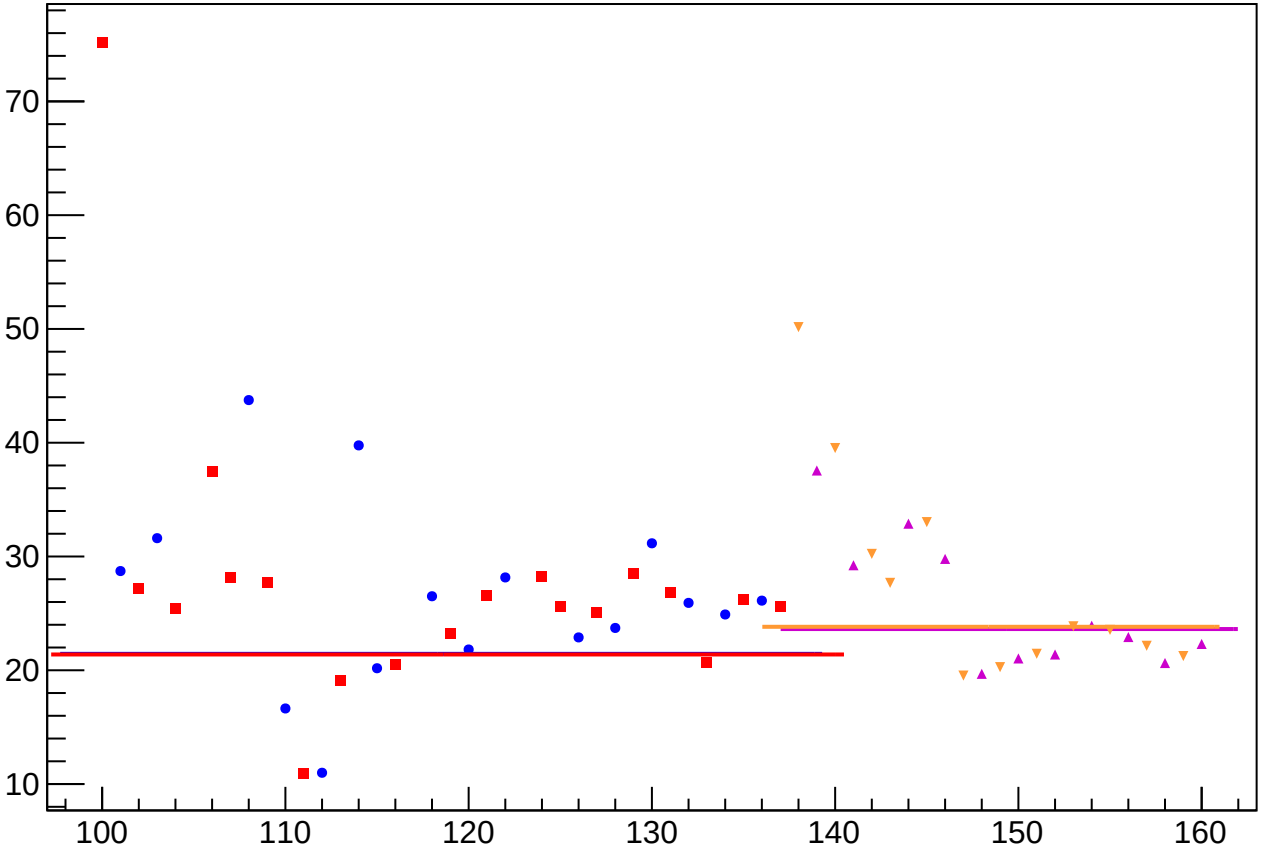
Left In: -0.001+/-0.008 χ^2/NDF:12.2/10

+ sign 0.004+/-0.006 χ^2/NDF: 36.0/27

All: 0.002+/-0.004 χ^2/NDF: 71.2/57

- 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: 23.822+/-0.006 χ^2/NDF:1005015.2/11

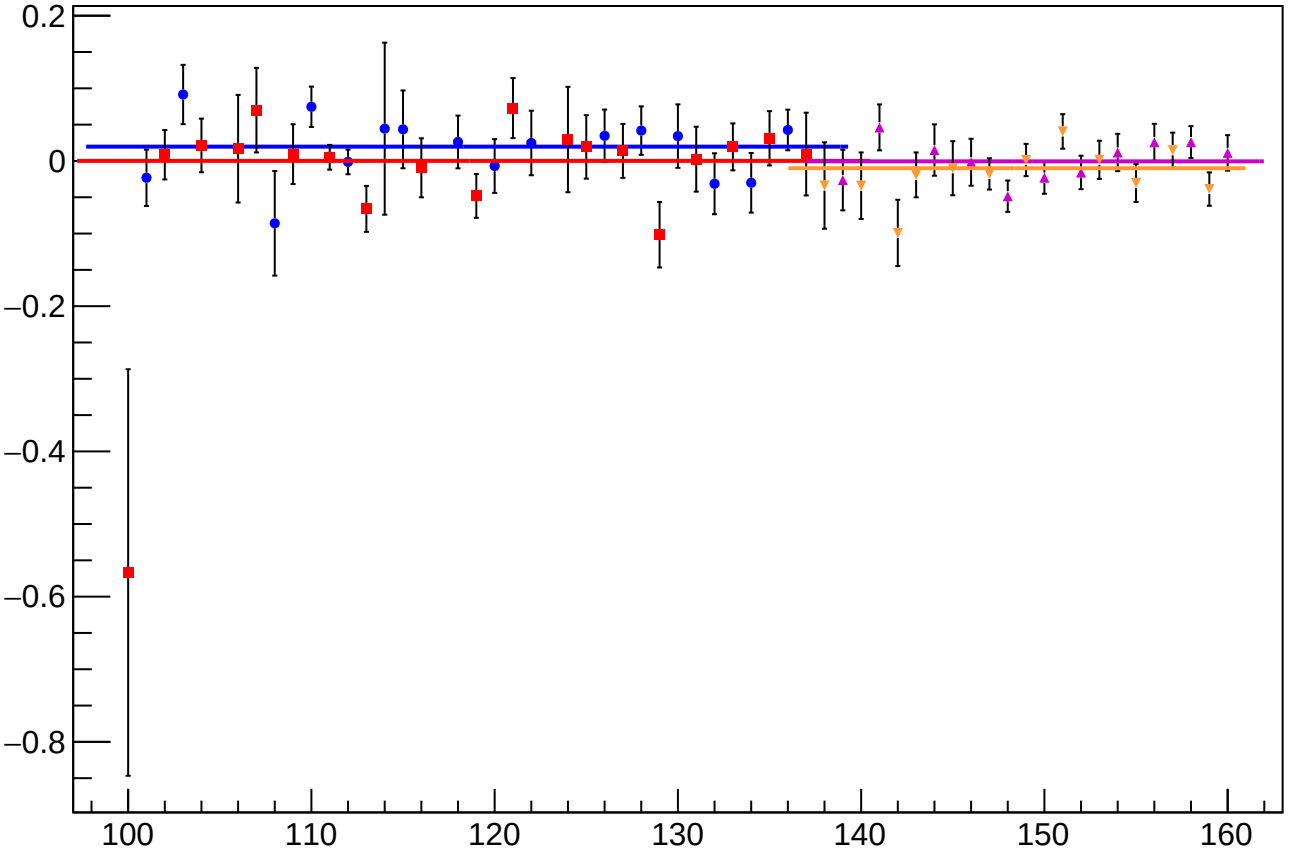
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 23.624+/-0.006 χ^2/NDF:652154.9/10

\+ sign 22.723+/-0.004 χ^2/NDF: 2626638.8/27

All: 22.658+/-0.003 χ^2/NDF: 4665854.5/57

\- 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: -0.010+/-0.008 χ^2/NDF:12.7/11

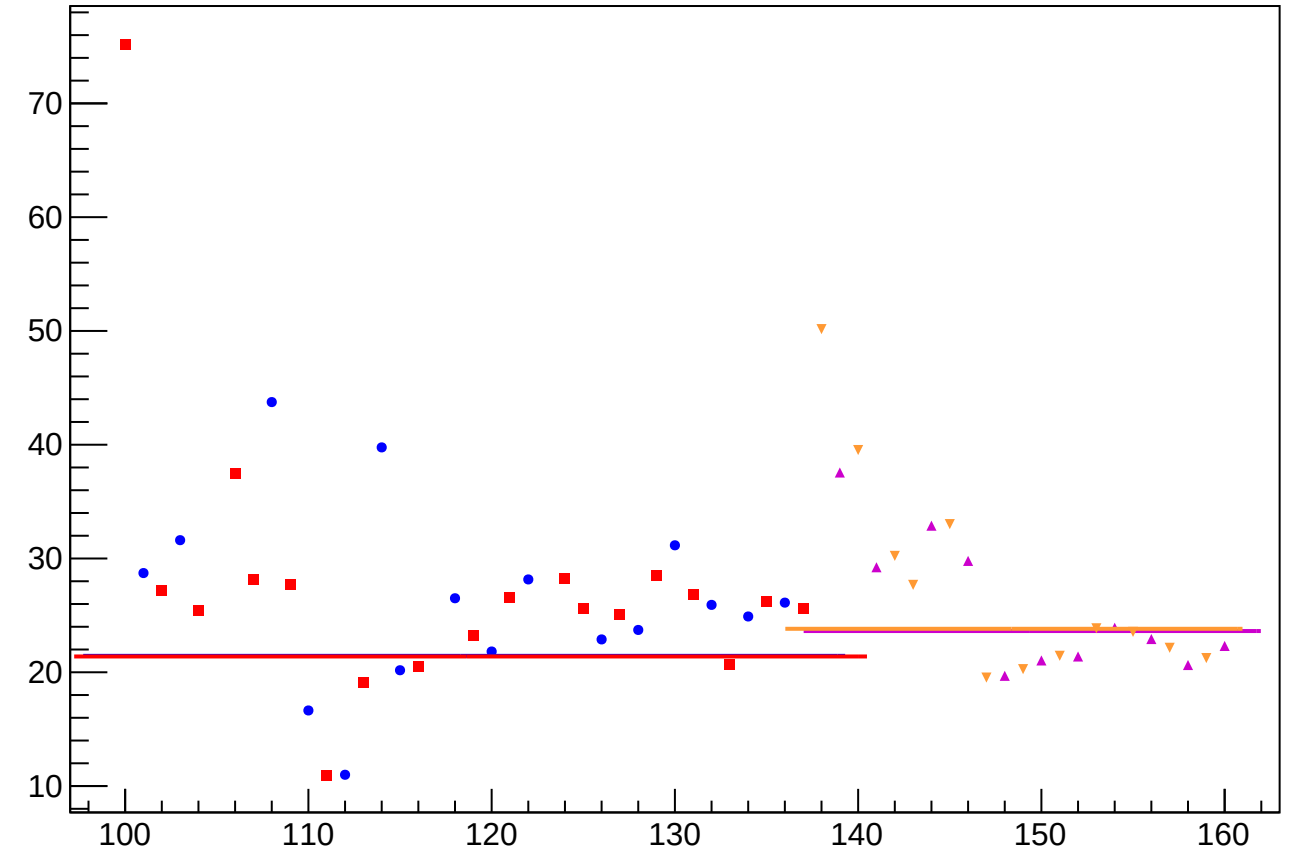
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.001+/-0.008 χ^2/NDF:12.2/10

+ sign 0.004+/-0.006 χ^2/NDF: 36.0/27

All: 0.002+/-0.004 χ^2/NDF: 71.2/57

- 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: 23.822+/-0.006 χ^2/NDF:1005015.2/11

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

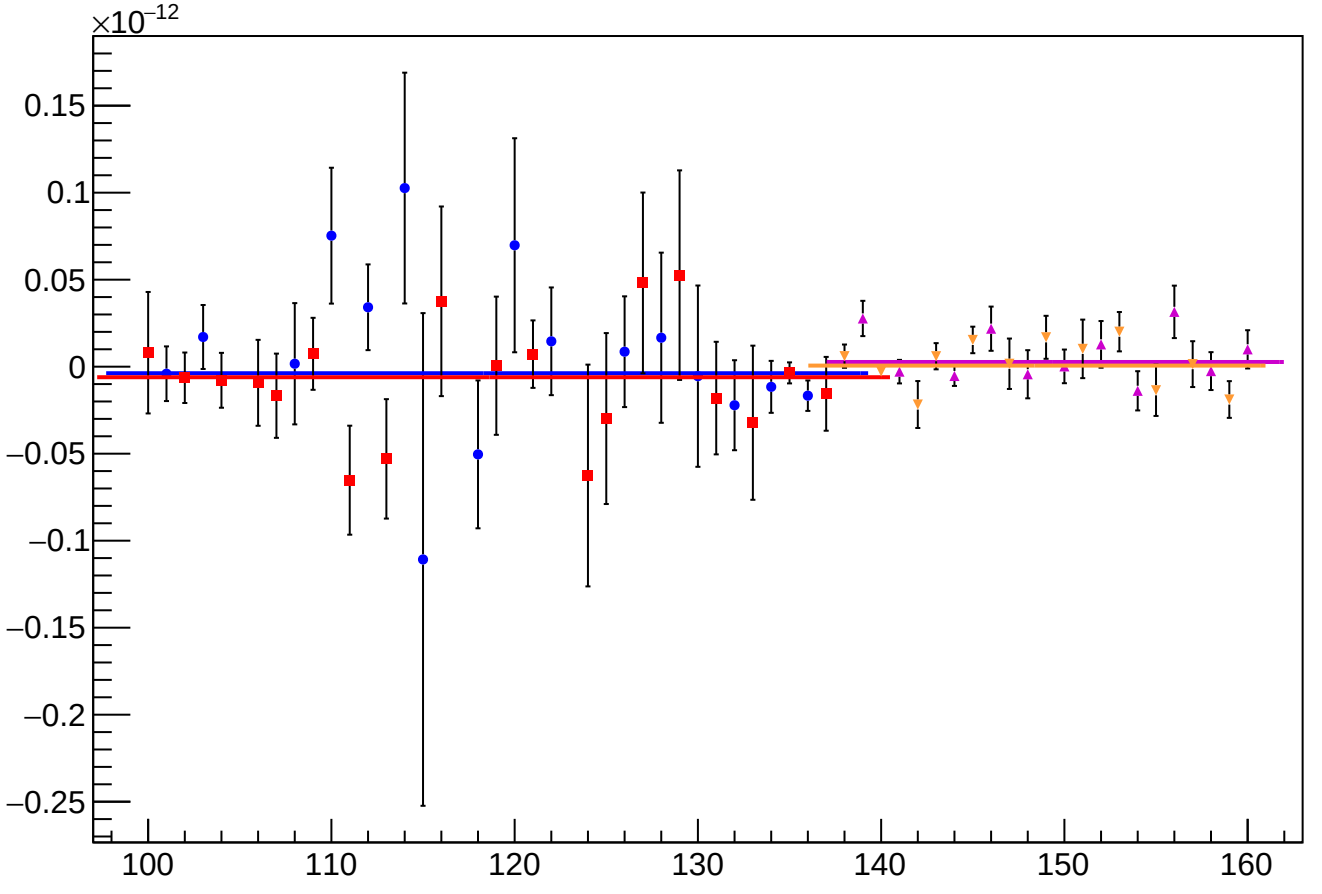
Left In: 23.624+/-0.006 χ^2/NDF:652154.9/10

+ sign 22.723+/-0.004 χ^2/NDF: 2626638.8/27

All: 22.658+/-0.003 χ^2/NDF: 4665854.5/57

- 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:18.4/11

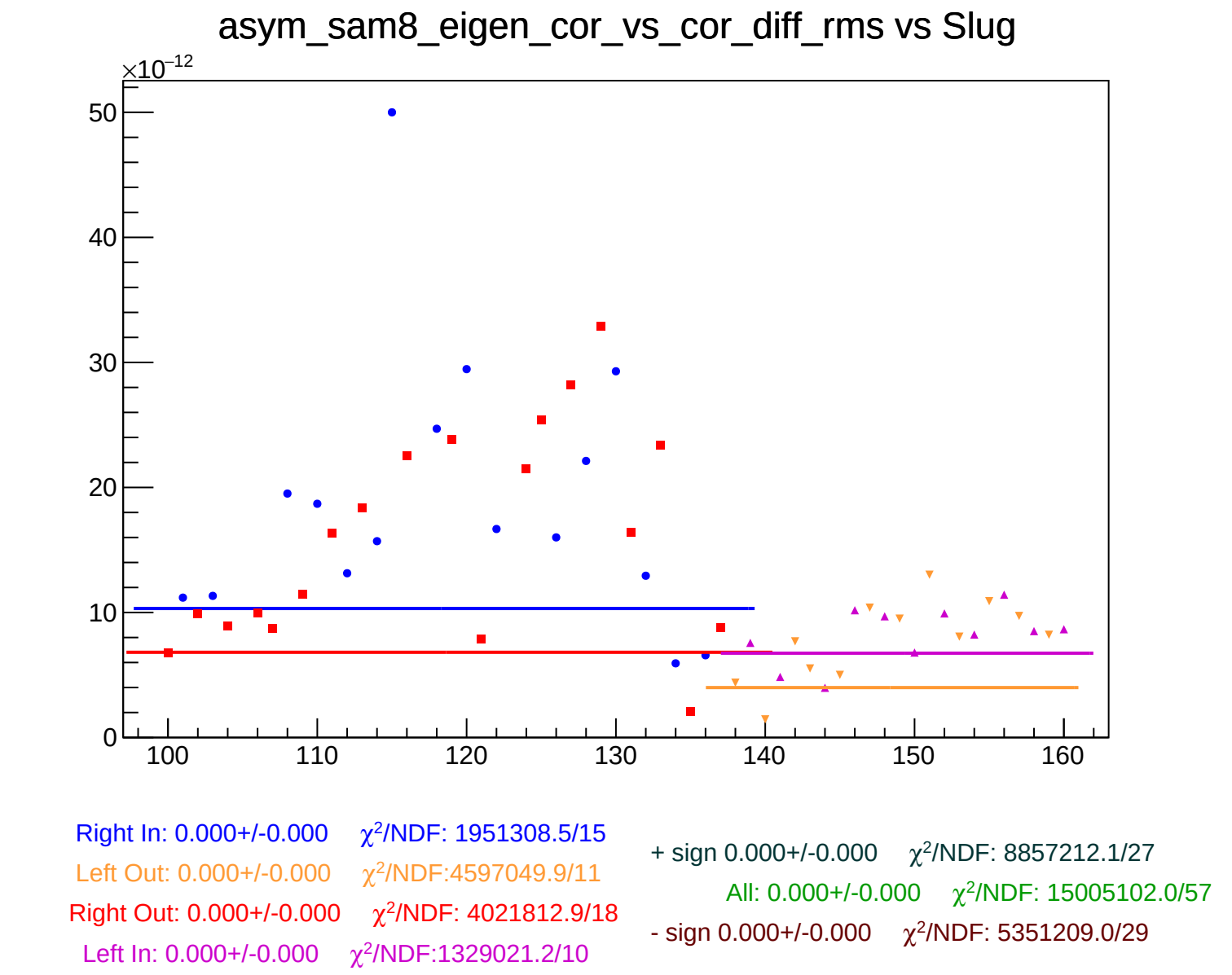
Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.4/10

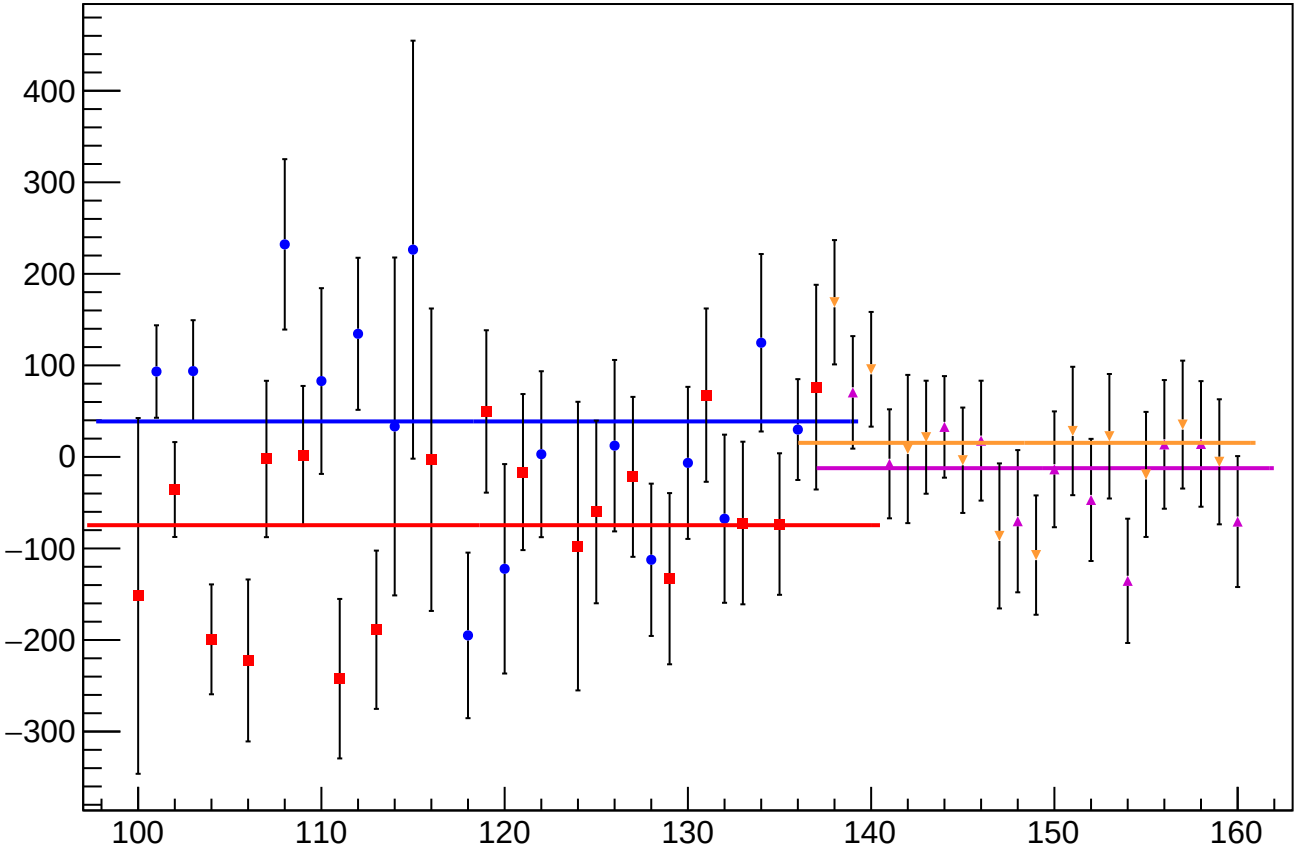
+ sign 0.000+/-0.000 χ^2/NDF: 36.2/27

All: 0.000+/-0.000 χ^2/NDF: 68.7/57

- 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:4597049.9/11
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: 8857212.1/27
All: 0.000+/-0.000 χ²/NDF: 15005102.0/57
- 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: 15.382+/-19.478 χ^2/NDF:12.5/11

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

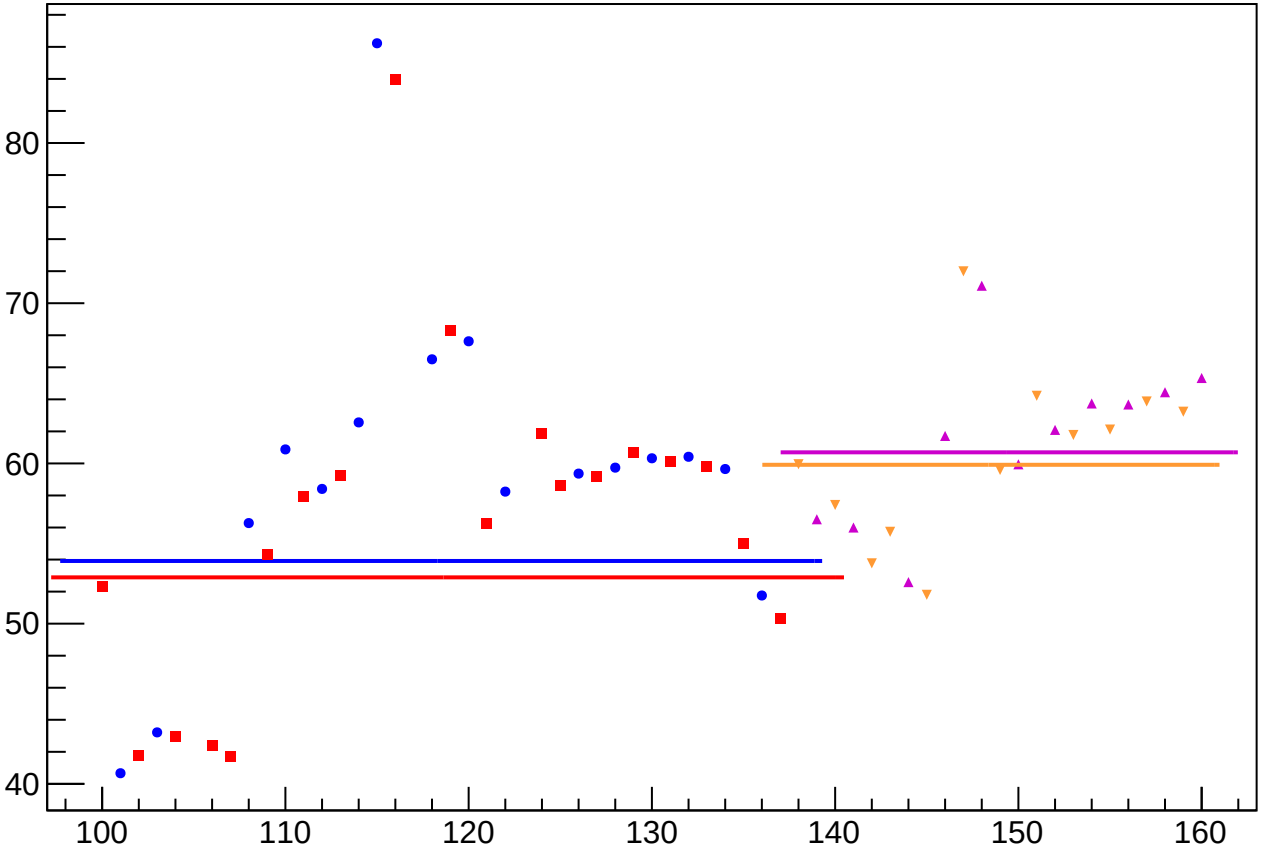
Left In: -12.291+/-19.718 χ^2/NDF:7.8/10

+ sign 26.534+/-14.092 χ^2/NDF: 36.5/27

All: -8.682+/-9.922 χ^2/NDF: 84.1/57

- 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: 59.915+/-0.014 χ^2/NDF:132394.0/11

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

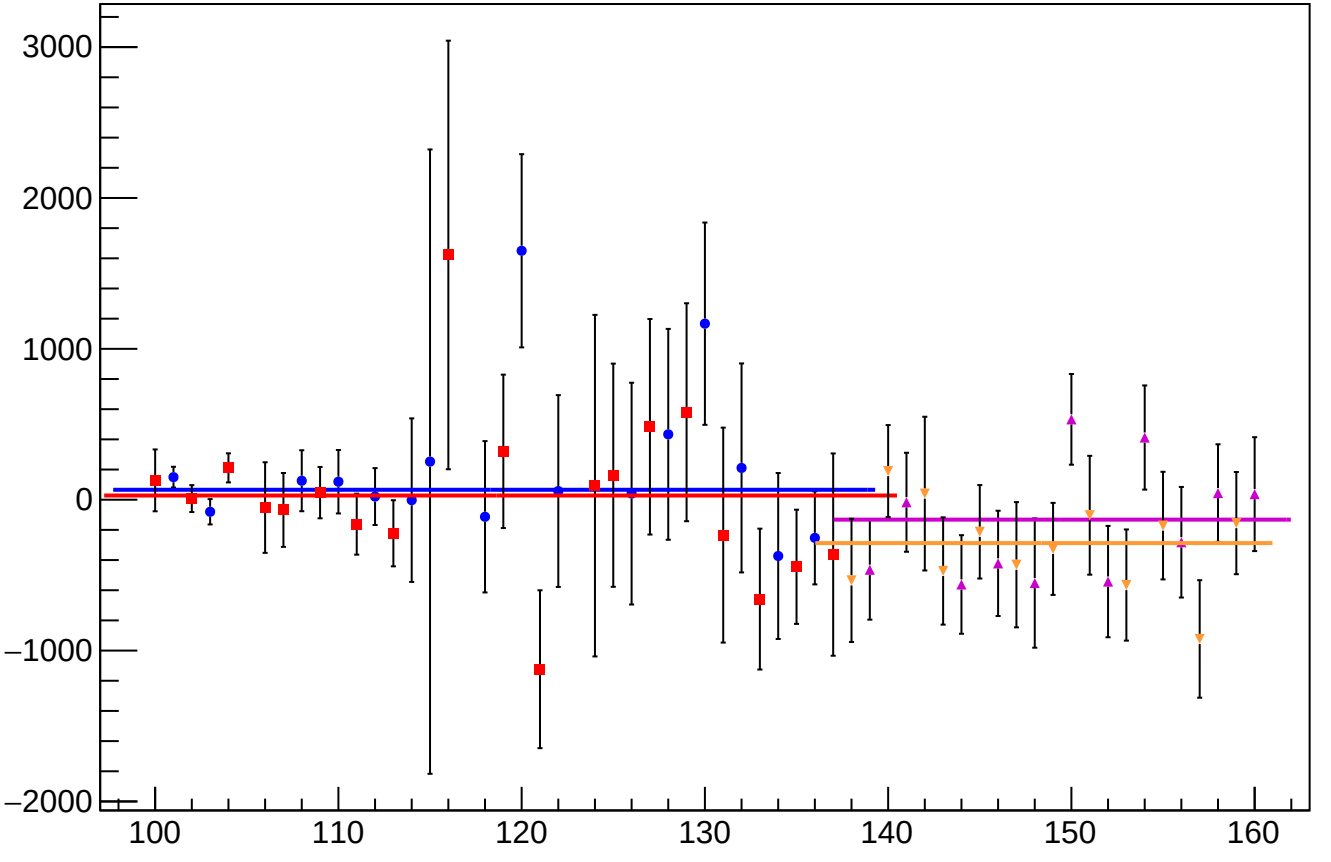
Left In: 60.693+/-0.014 χ^2/NDF:123804.6/10

+ sign 57.054+/-0.010 χ^2/NDF: 616187.3/27

All: 56.930+/-0.007 χ^2/NDF: 1321511.8/57

- sign 56.808+/-0.010 χ^2/NDF: 705015.2/29

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -287.488+/-104.001 χ^2/NDF:7.4/11

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

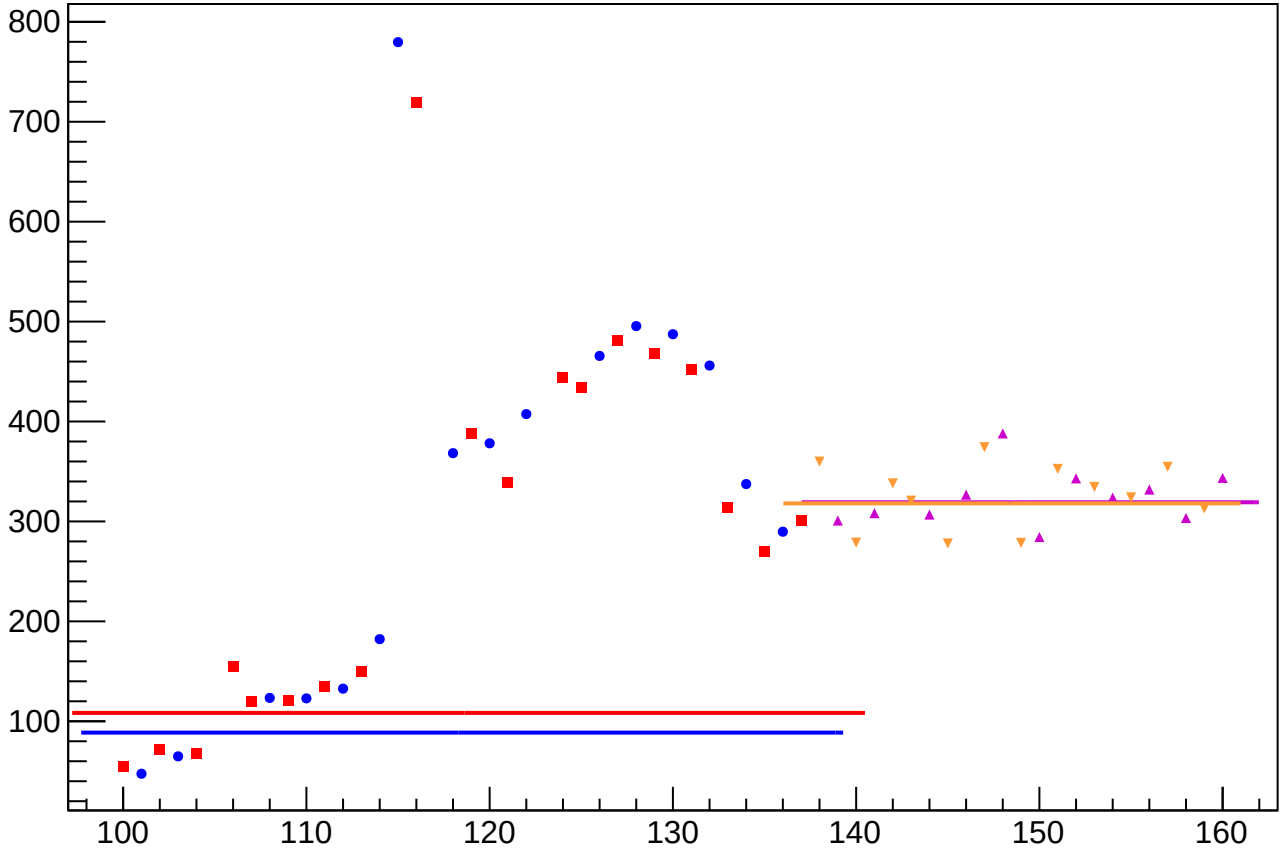
Left In: -132.025+/-104.099 χ^2/NDF:13.8/10

\+ sign 7.031+/-42.434 χ^2/NDF: 32.7/27

All: 2.620+/-30.964 χ^2/NDF: 66.4/57

\- 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: 318.050+/-0.074 χ^2/NDF:198910.5/11

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

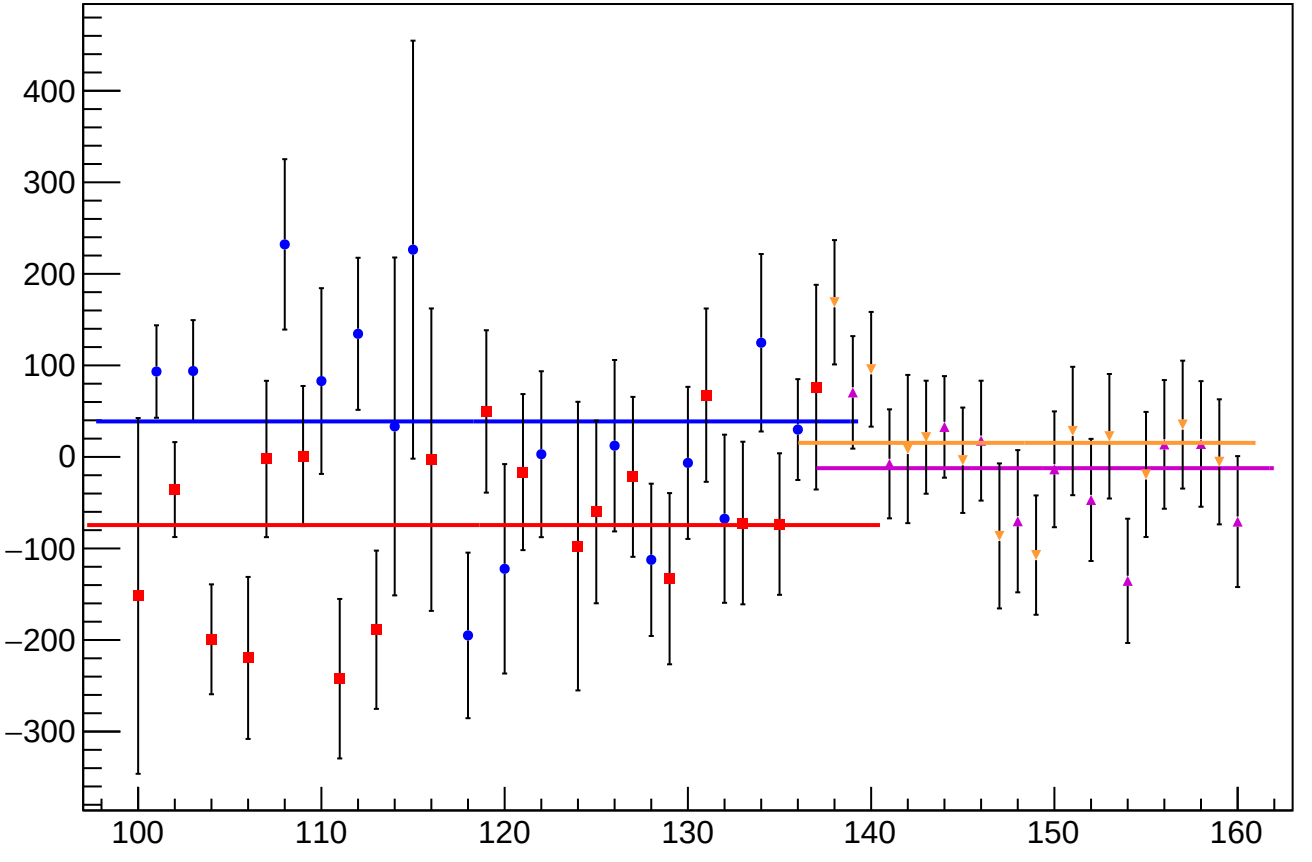
Left In: 319.179+/-0.074 χ^2/NDF:114767.4/10

+ sign 126.846+/-0.030 χ^2/NDF: 14957207.8/27

All: 136.864+/-0.022 χ^2/NDF: 27322135.1/57

- 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: 15.381+/-19.478 χ^2/NDF:12.5/11

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

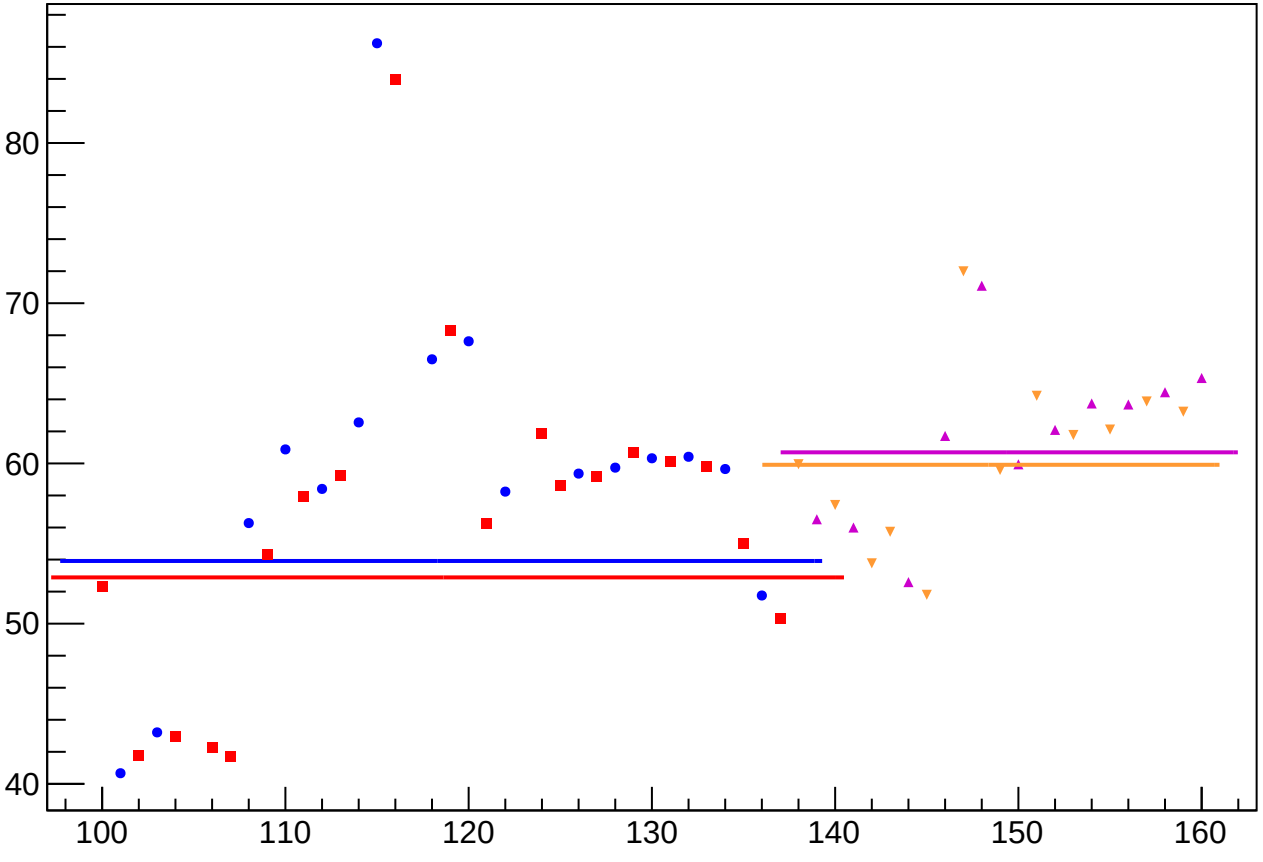
Left In: -12.292+/-19.718 χ^2/NDF:7.8/10

+ sign 26.539+/-14.092 χ^2/NDF: 36.5/27

All: -8.644+/-9.922 χ^2/NDF: 84.0/57

- 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: 59.915+/-0.014 χ^2/NDF:132393.9/11

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

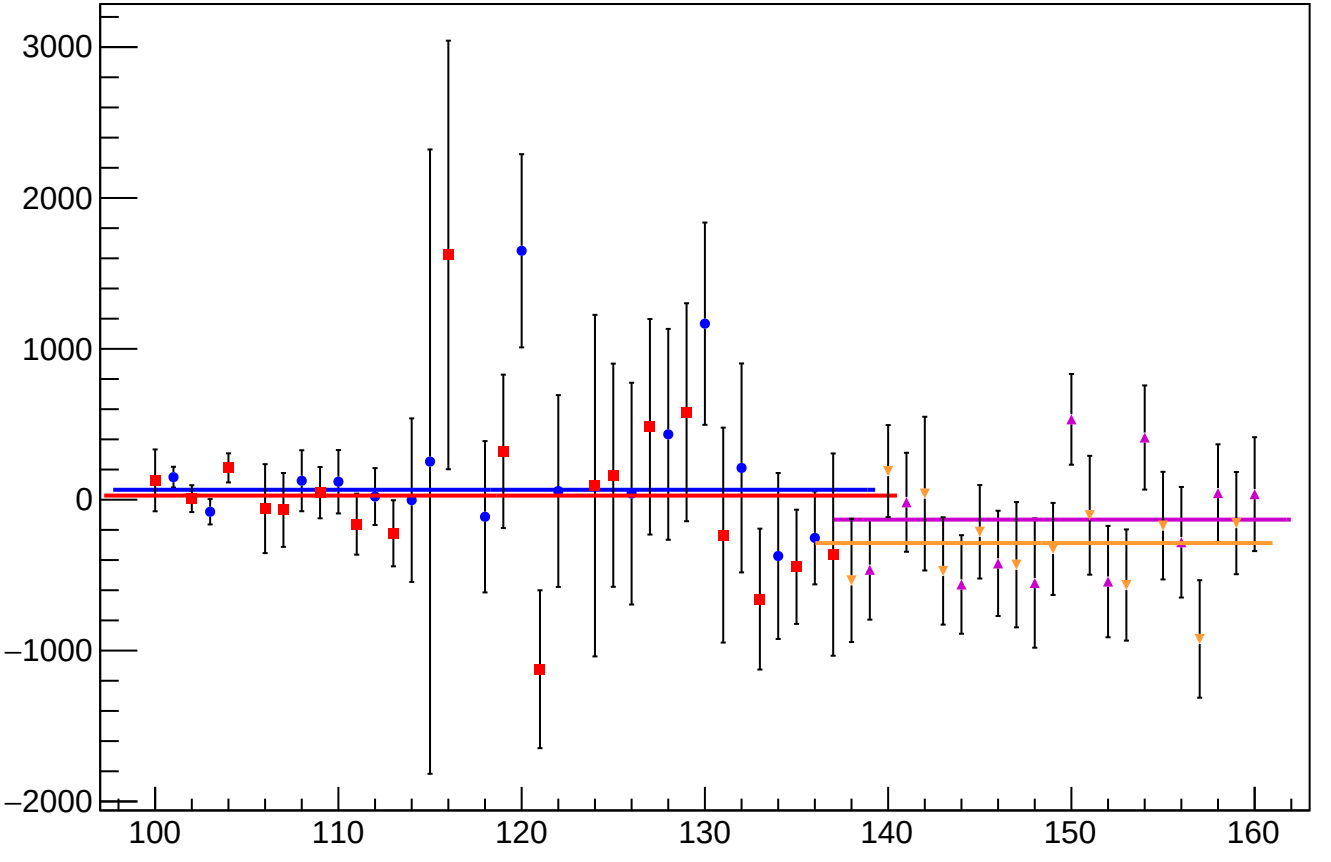
Left In: 60.693+/-0.014 χ^2/NDF:123804.6/10

+ sign 57.054+/-0.010 χ^2/NDF: 616186.5/27

All: 56.929+/-0.007 χ^2/NDF: 1321899.3/57

- sign 56.807+/-0.010 χ^2/NDF: 705401.4/29

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -287.489+/-104.001 χ^2/NDF:7.4/11

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

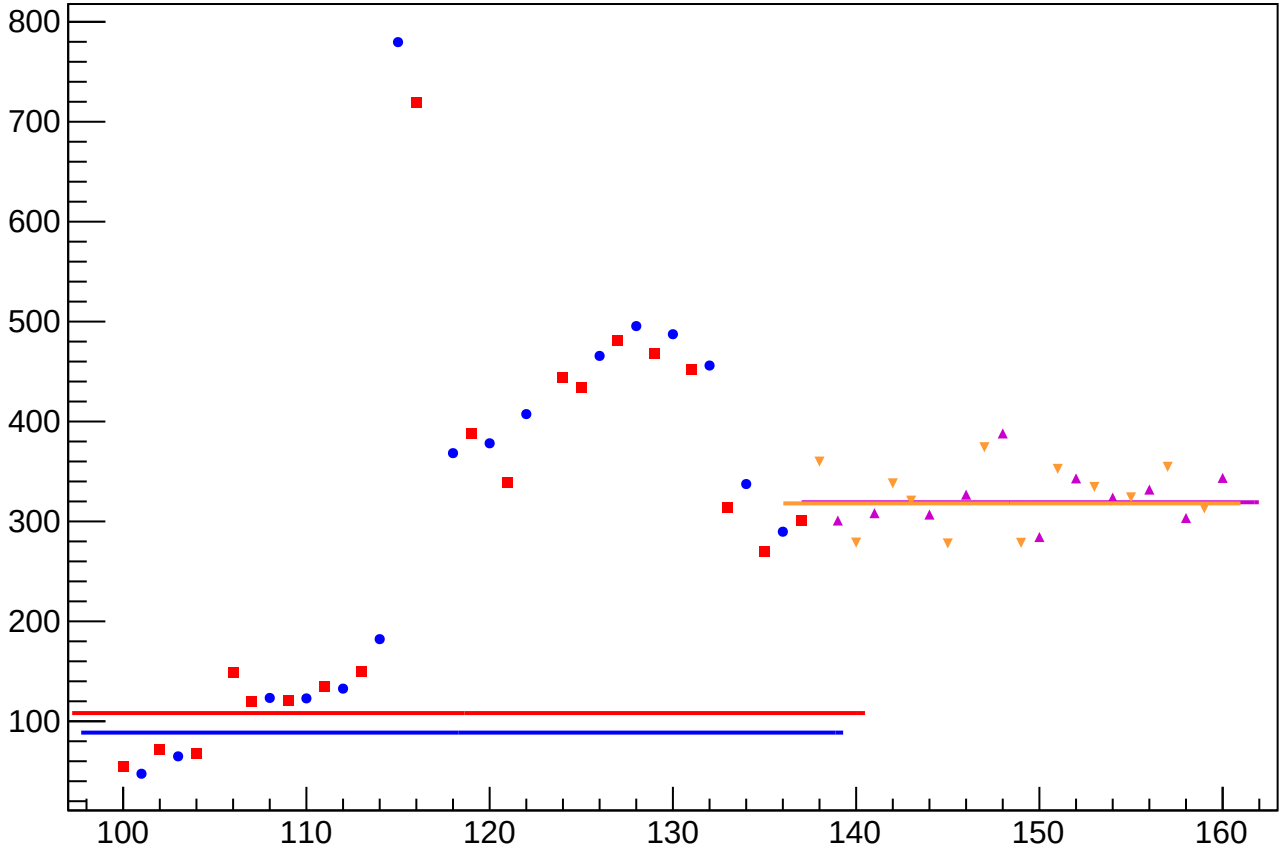
Left In: -132.025+/-104.099 χ^2/NDF:13.8/10

+ sign 7.036+/-42.433 χ^2/NDF: 32.7/27

All: 2.471+/-30.953 χ^2/NDF: 66.4/57

- 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: 318.051+/-0.074 χ^2/NDF:198910.6/11

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

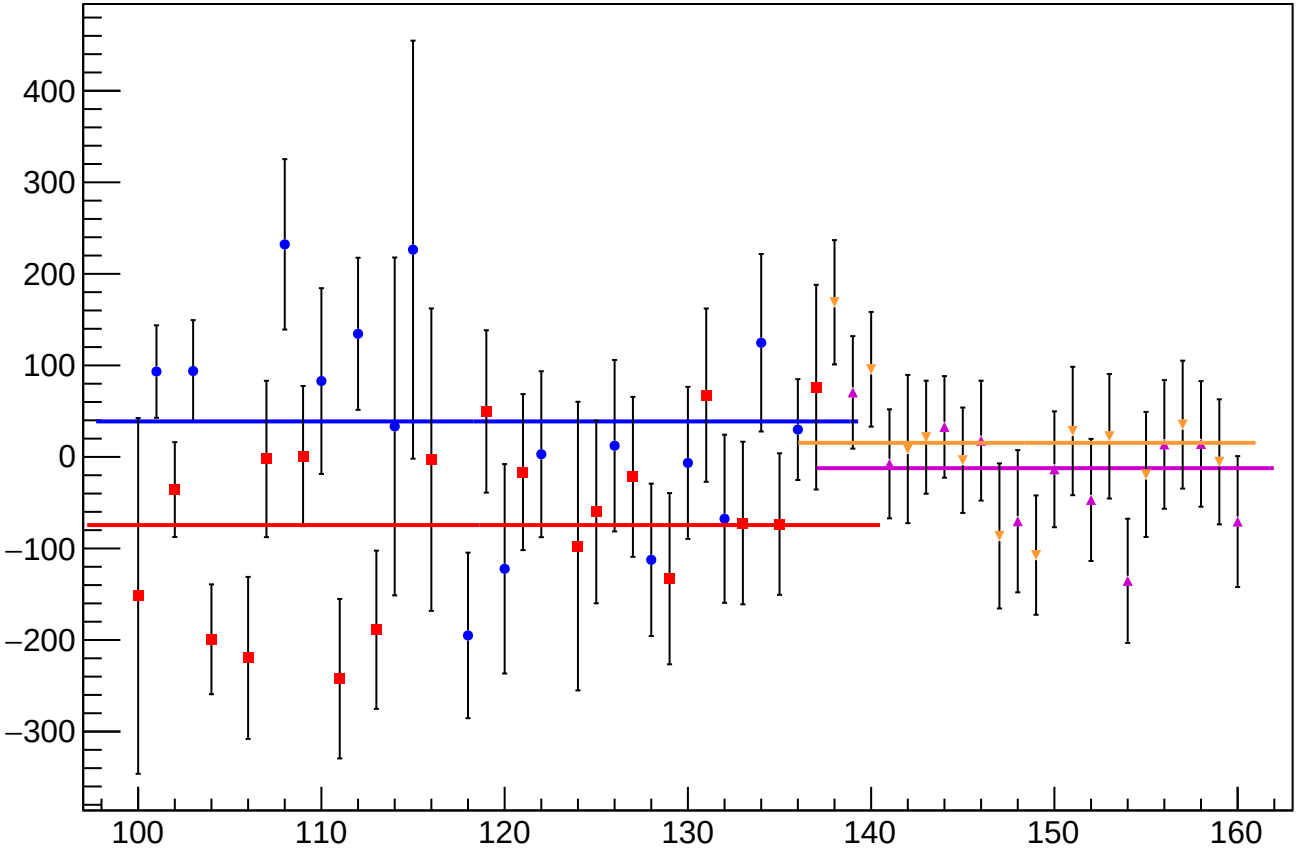
Left In: 319.178+/-0.074 χ^2/NDF:114768.4/10

+ sign 126.842+/-0.030 χ^2/NDF: 14957529.1/27

All: 136.776+/-0.022 χ^2/NDF: 27323712.1/57

- 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: 15.381+/-19.478 χ^2/NDF:12.5/11

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

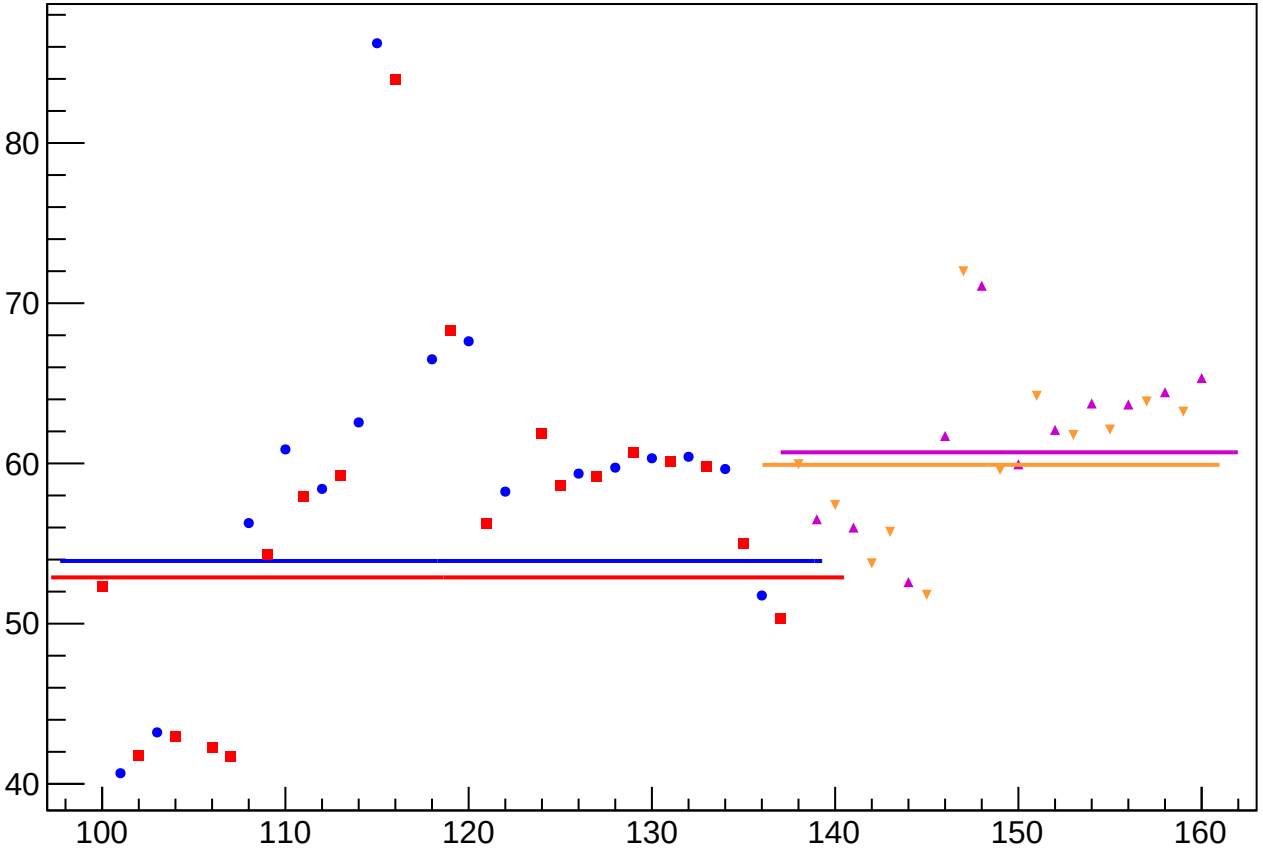
Left In: -12.292+/-19.718 χ^2/NDF:7.8/10

+ sign 26.539+/-14.092 χ^2/NDF: 36.5/27

All: -8.644+/-9.922 χ^2/NDF: 84.0/57

- 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: 59.915+/-0.014 χ^2/NDF:132393.9/11

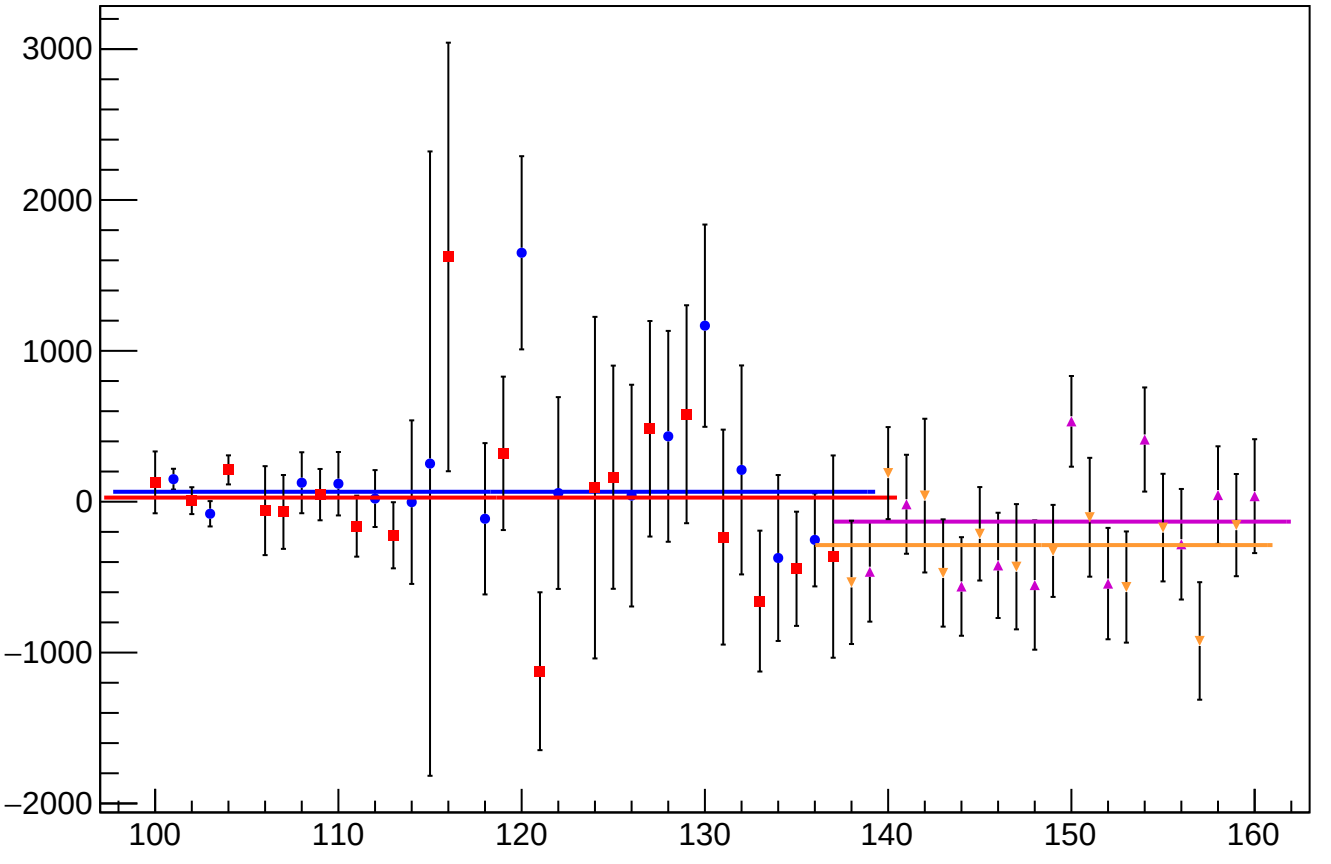
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 60.693+/-0.014 χ^2/NDF:123804.6/10

+ sign 57.054+/-0.010 χ^2/NDF: 616186.5/27

All: 56.929+/-0.007 χ^2/NDF: 1321899.3/57

- 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: -287.489+/-104.001 χ^2/NDF:7.4/11

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

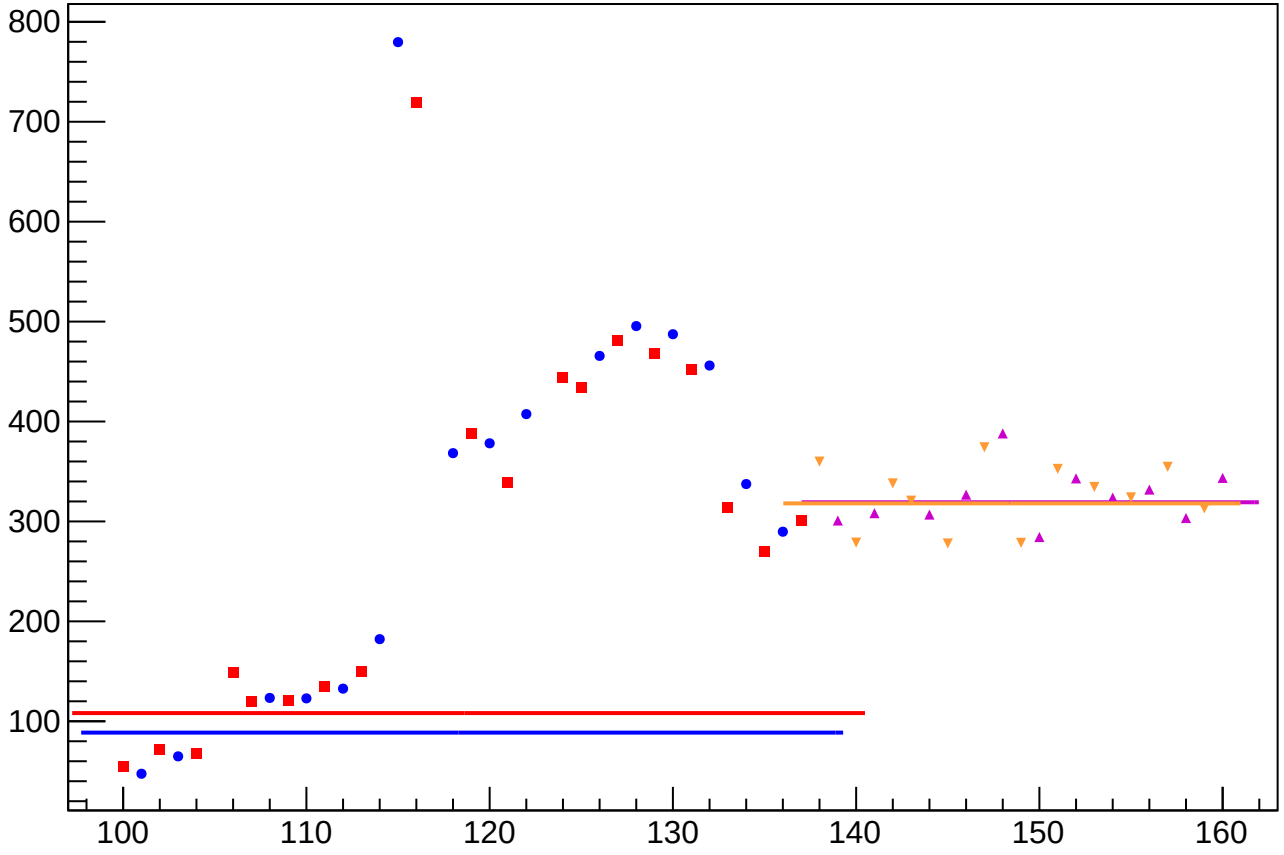
Left In: -132.025+/-104.099 χ^2/NDF:13.8/10

+ sign 7.036+/-42.433 χ^2/NDF: 32.7/27

All: 2.471+/-30.953 χ^2/NDF: 66.4/57

- sign -2.722+/-45.252 χ^2/NDF: 33.7/29

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 318.051+/-0.074 χ^2/NDF:198910.6/11

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

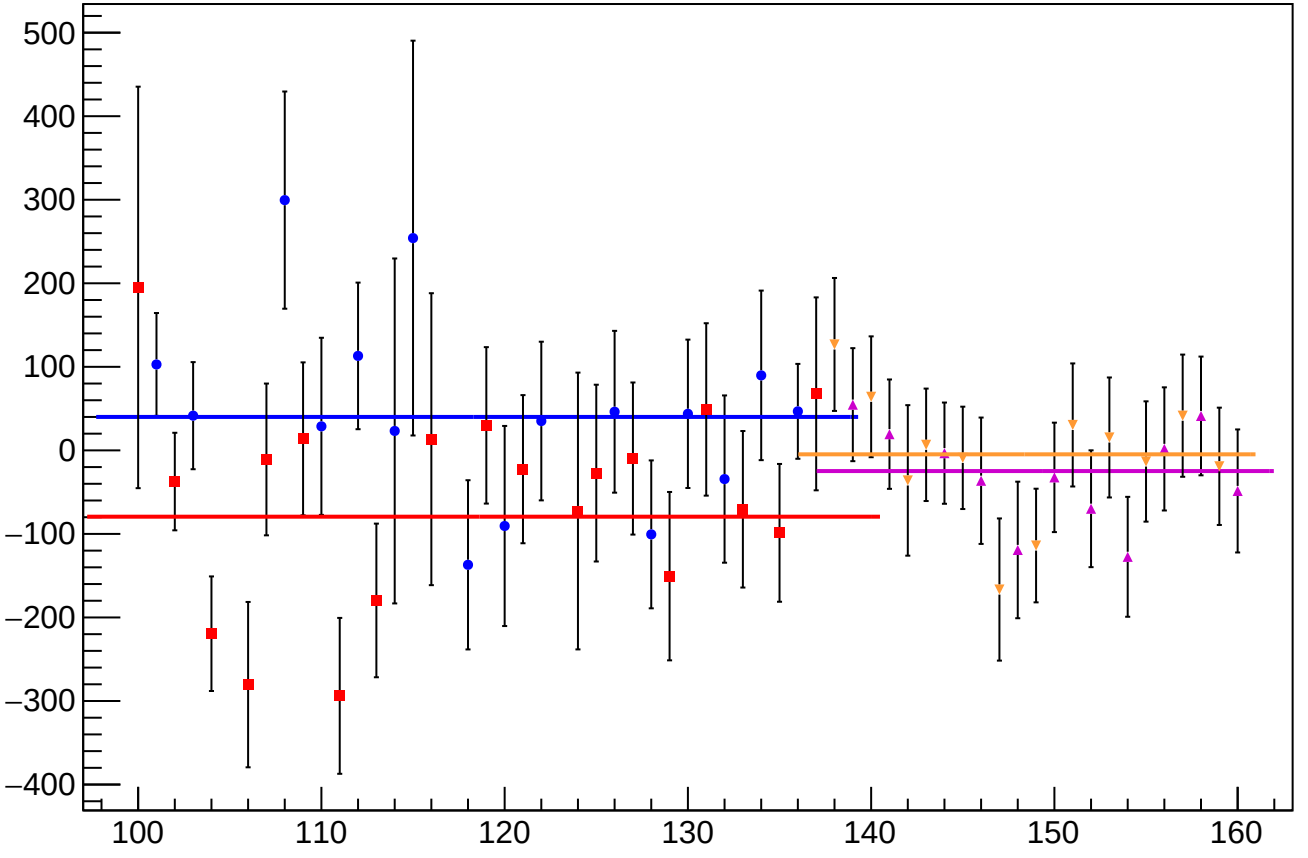
Left In: 319.178+/-0.074 χ^2/NDF:114768.4/10

+ sign 126.842+/-0.030 χ^2/NDF: 14957529.1/27

All: 136.776+/-0.022 χ^2/NDF: 27323712.1/57

- 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: -4.729+/-20.966 χ^2/NDF:10.7/11

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

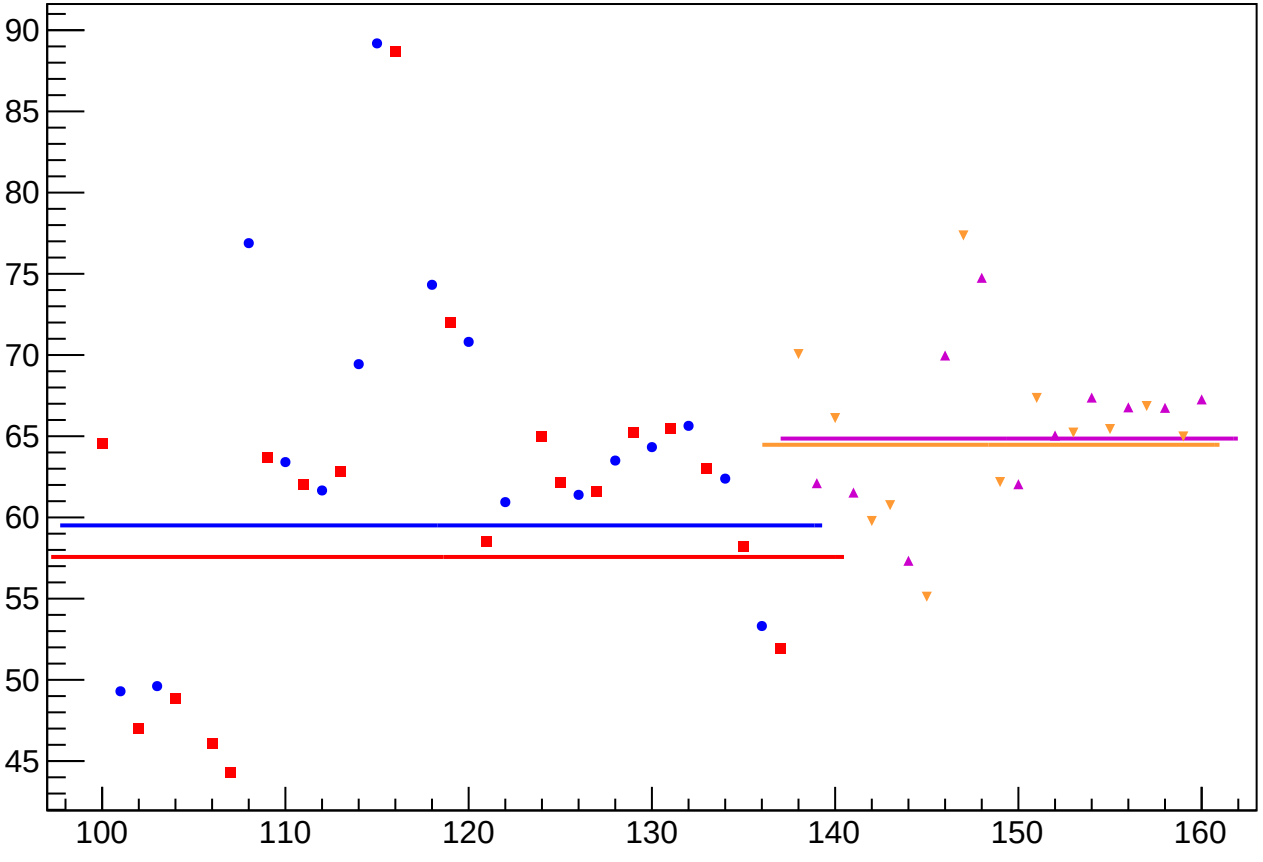
Left In: -24.766+/-21.095 χ^2/NDF:6.9/10

+ sign 16.059+/-15.344 χ^2/NDF: 27.0/27

All: -18.274+/-10.757 χ^2/NDF: 71.8/57

- 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: 64.473+/-0.015 χ^2/NDF:123108.5/11

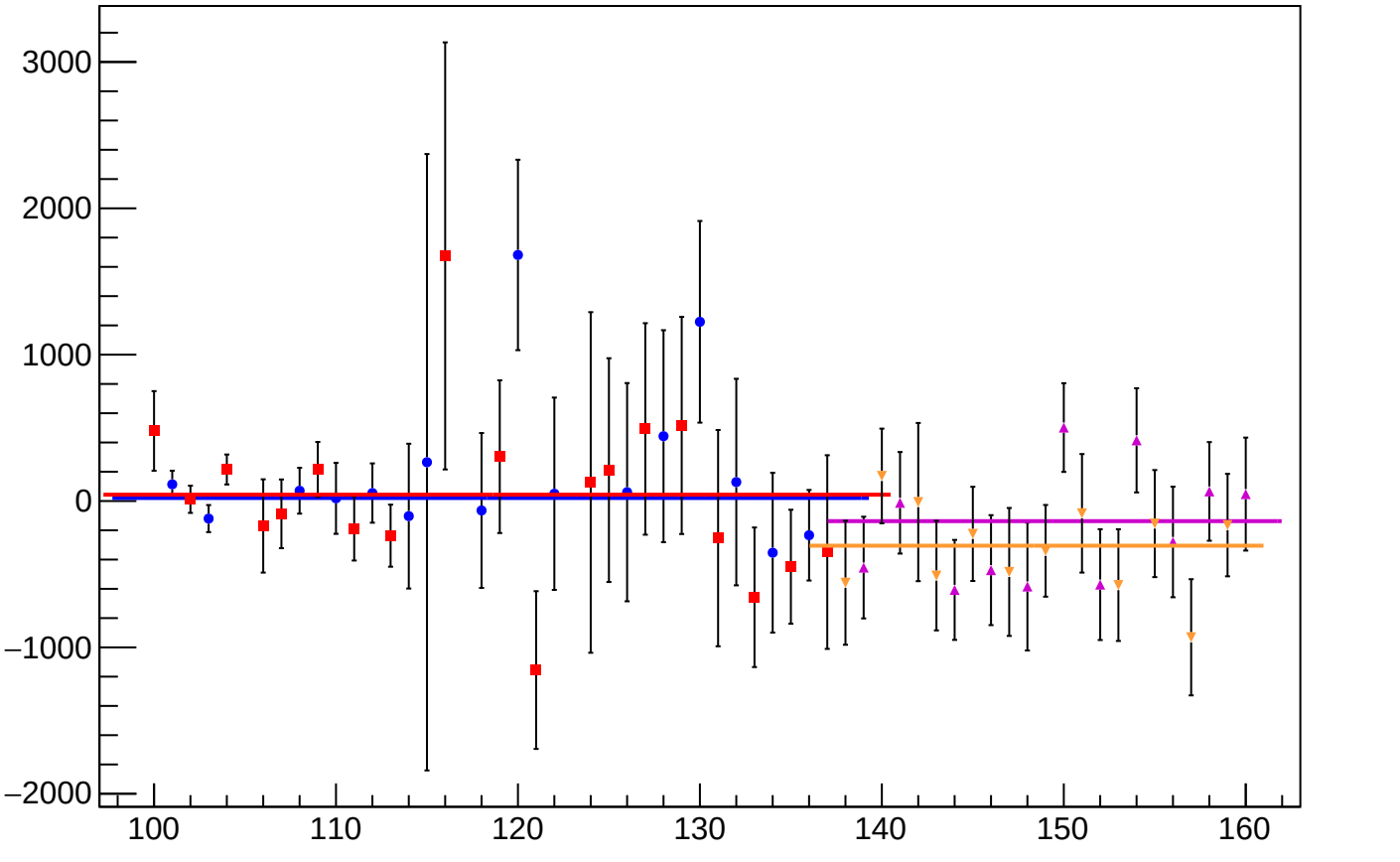
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 64.855+/-0.015 χ^2/NDF:88889.4/10

+ sign 62.168+/-0.011 χ^2/NDF: 458385.0/27

All: 61.723+/-0.008 χ^2/NDF: 1014635.7/57

- 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: -305.165+/-108.016 χ^2/NDF:7.0/11

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

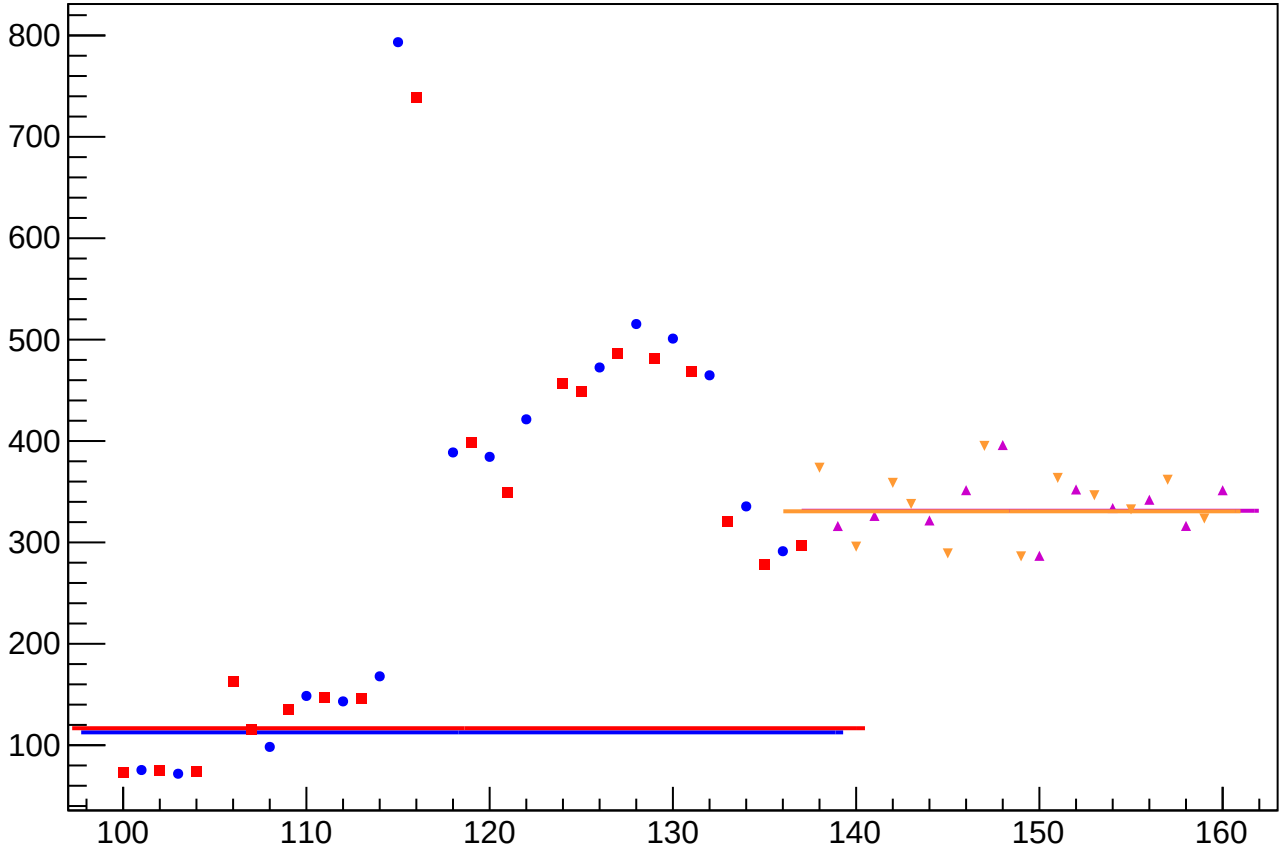
Left In: -137.330+/-107.982 χ^2/NDF:13.6/10

+ sign -43.544+/-48.003 χ^2/NDF: 28.9/27

All: -17.636+/-33.846 χ^2/NDF: 66.9/57

- 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: 330.678+/-0.076 χ^2/NDF:196906.4/11

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

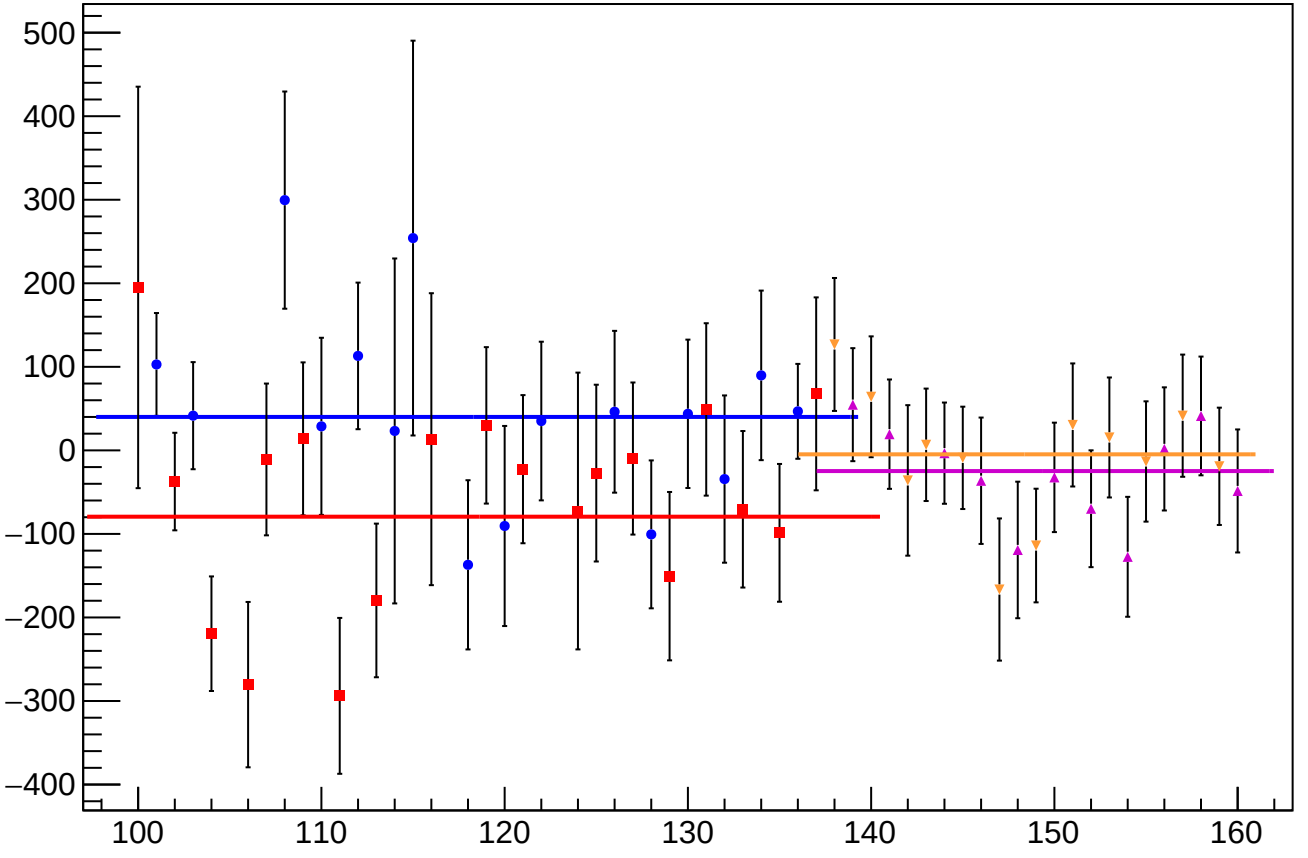
Left In: 331.216+/-0.076 χ^2/NDF:115940.4/10

+ sign 155.724+/-0.034 χ^2/NDF: 12334671.3/27

All: 157.190+/-0.024 χ^2/NDF: 23944771.6/57

- 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: -4.729+/-20.966 χ^2/NDF:10.7/11

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

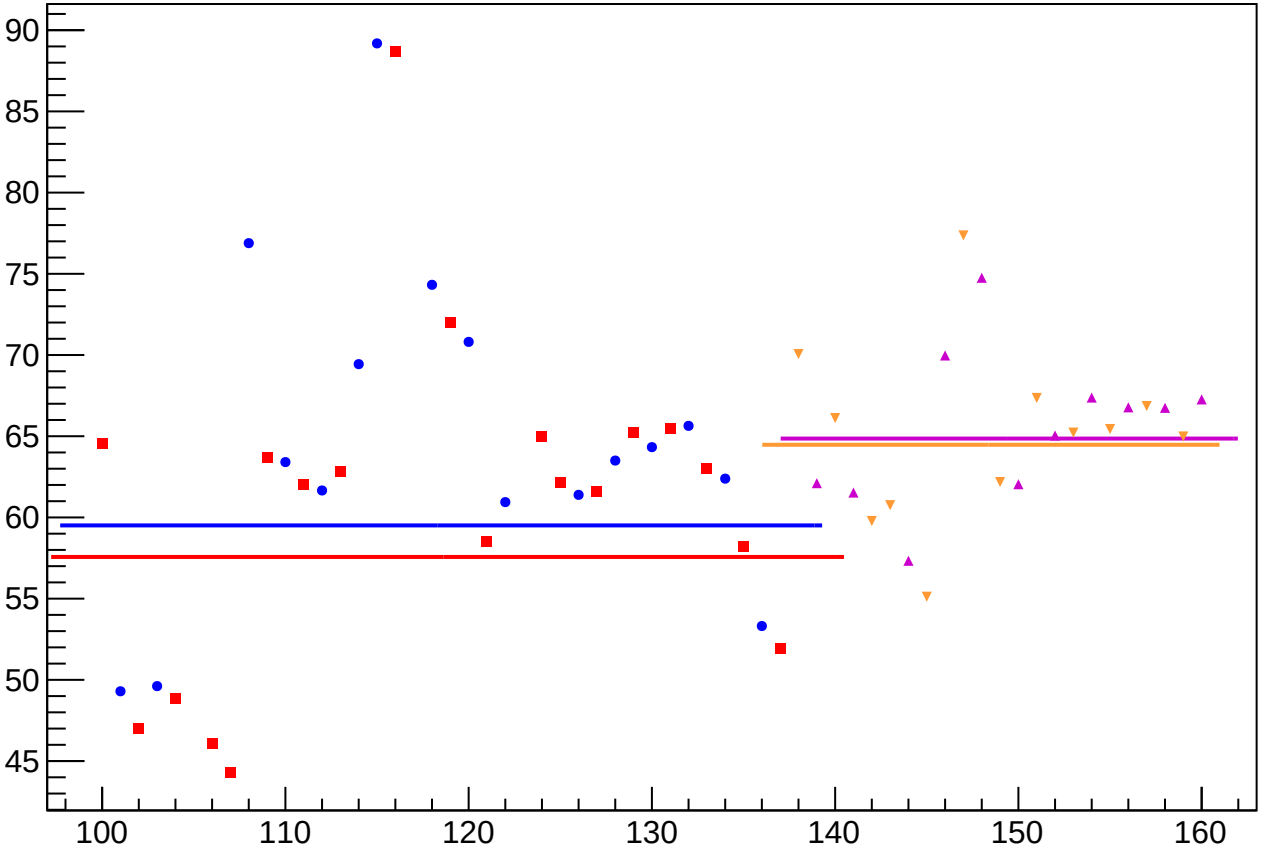
Left In: -24.766+/-21.095 χ^2/NDF:6.9/10

+ sign 16.059+/-15.344 χ^2/NDF: 27.0/27

All: -18.274+/-10.757 χ^2/NDF: 71.8/57

- 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: 64.474+/-0.015 χ^2/NDF:123111.7/11

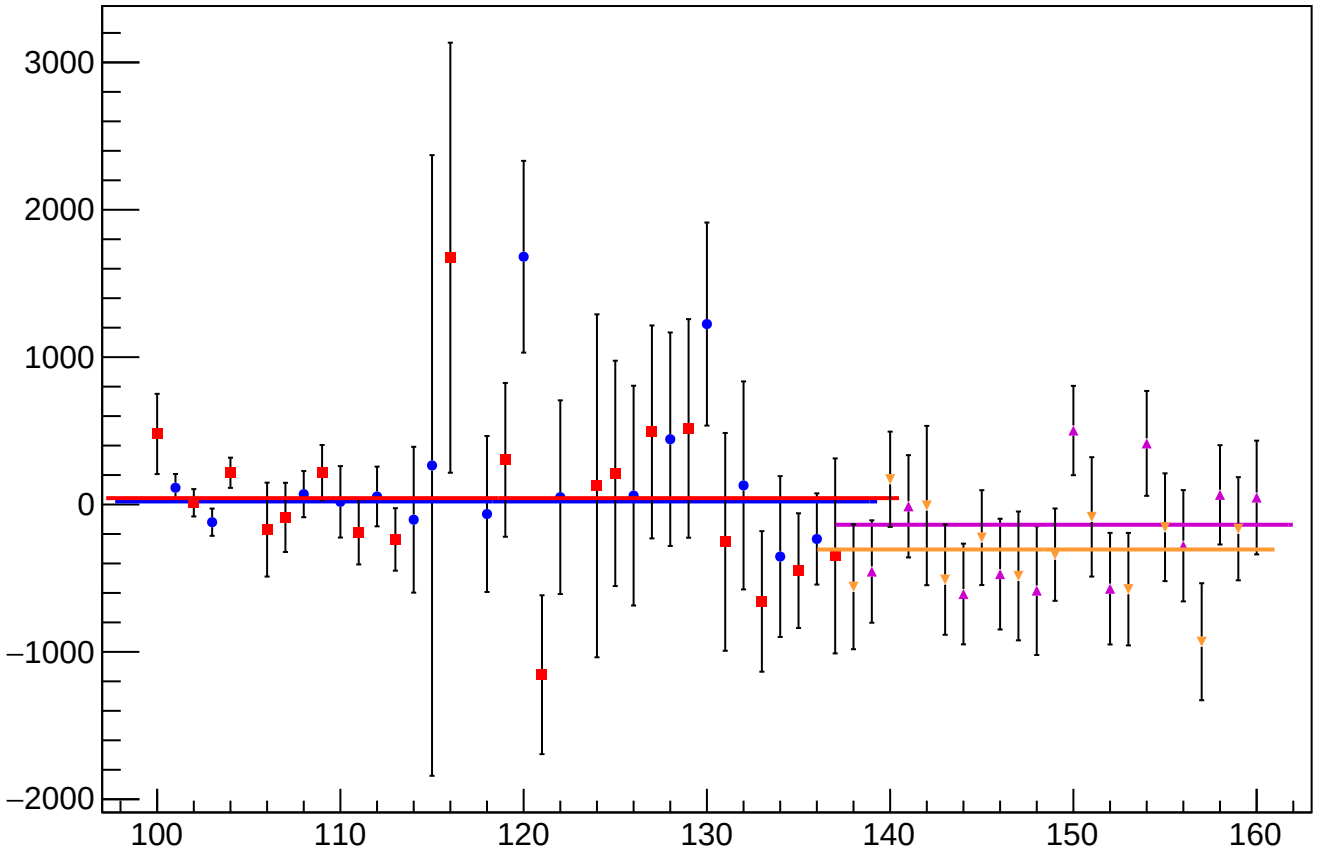
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 64.856+/-0.015 χ^2/NDF:88888.3/10

+ sign 62.168+/-0.011 χ^2/NDF: 458390.7/27

All: 61.723+/-0.008 χ^2/NDF: 1014644.5/57

- 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: -305.164+/-108.017 χ^2/NDF:7.0/11

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

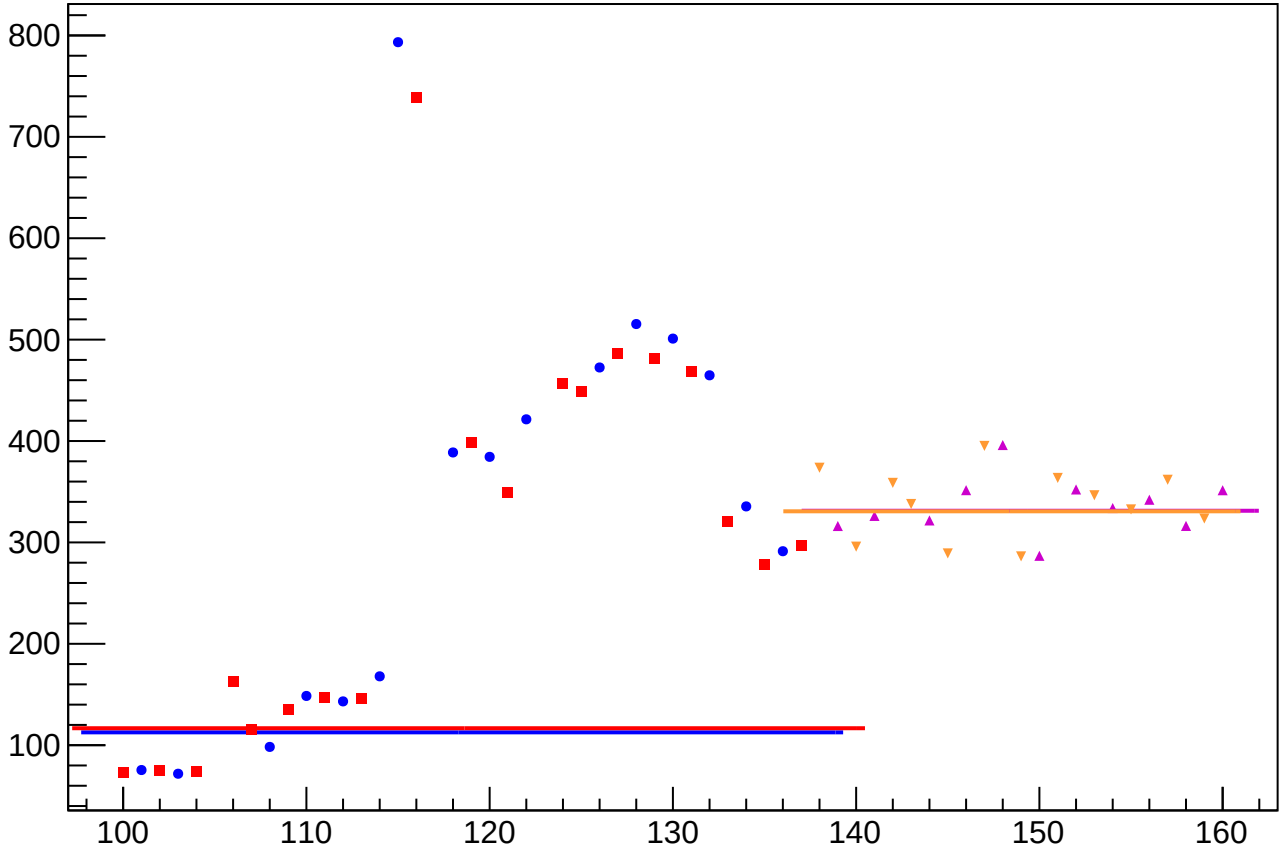
Left In: -137.330+/-107.982 χ^2/NDF:13.6/10

+ sign -43.544+/-48.003 χ^2/NDF: 28.9/27

All: -17.636+/-33.846 χ^2/NDF: 66.9/57

- 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: 330.679+/-0.076 χ^2/NDF:196907.4/11

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

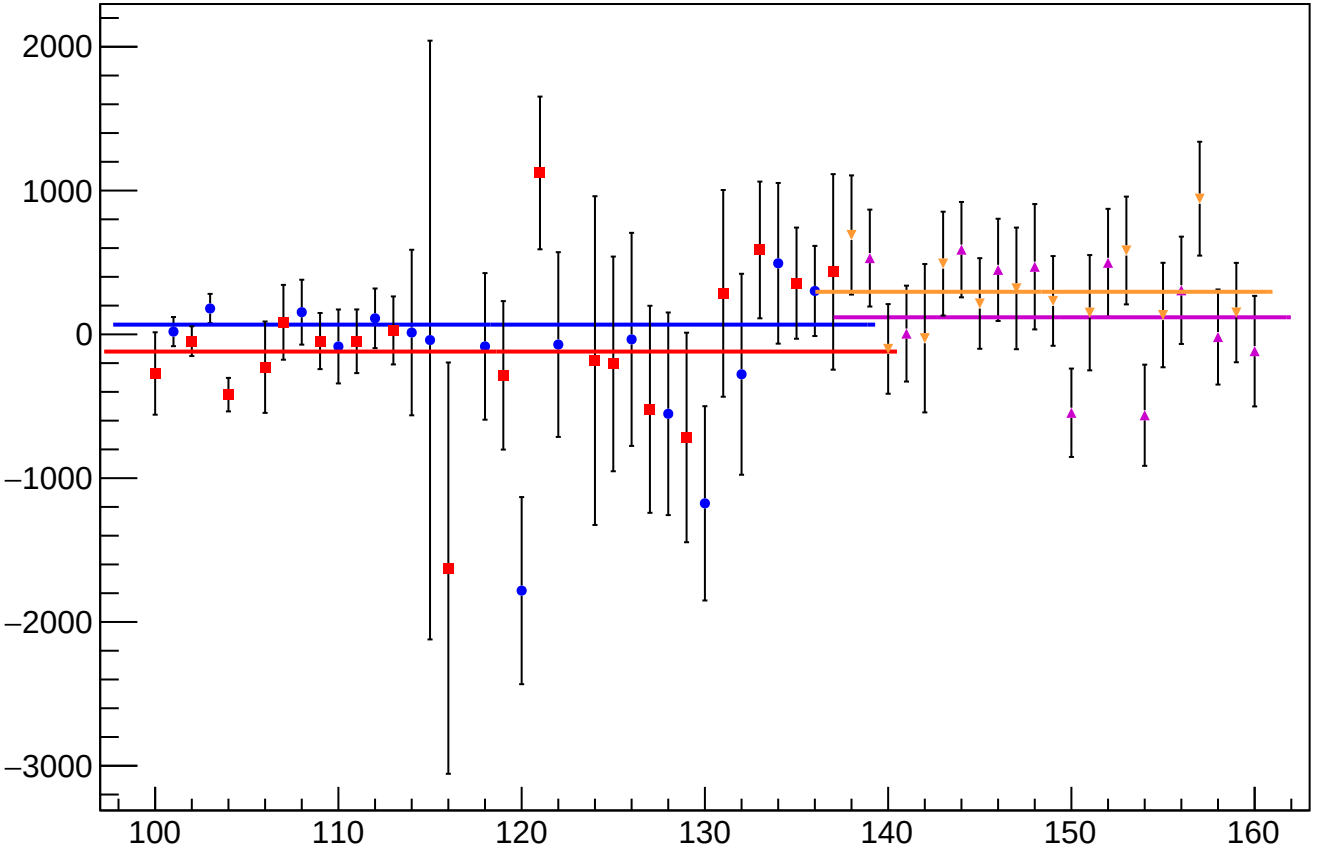
Left In: 331.217+/-0.076 χ^2/NDF:115940.2/10

+ sign 155.724+/-0.034 χ^2/NDF: 12334712.7/27

All: 157.189+/-0.024 χ^2/NDF: 23944864.9/57

- 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: 296.049+/-105.899 χ^2/NDF:7.1/11

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

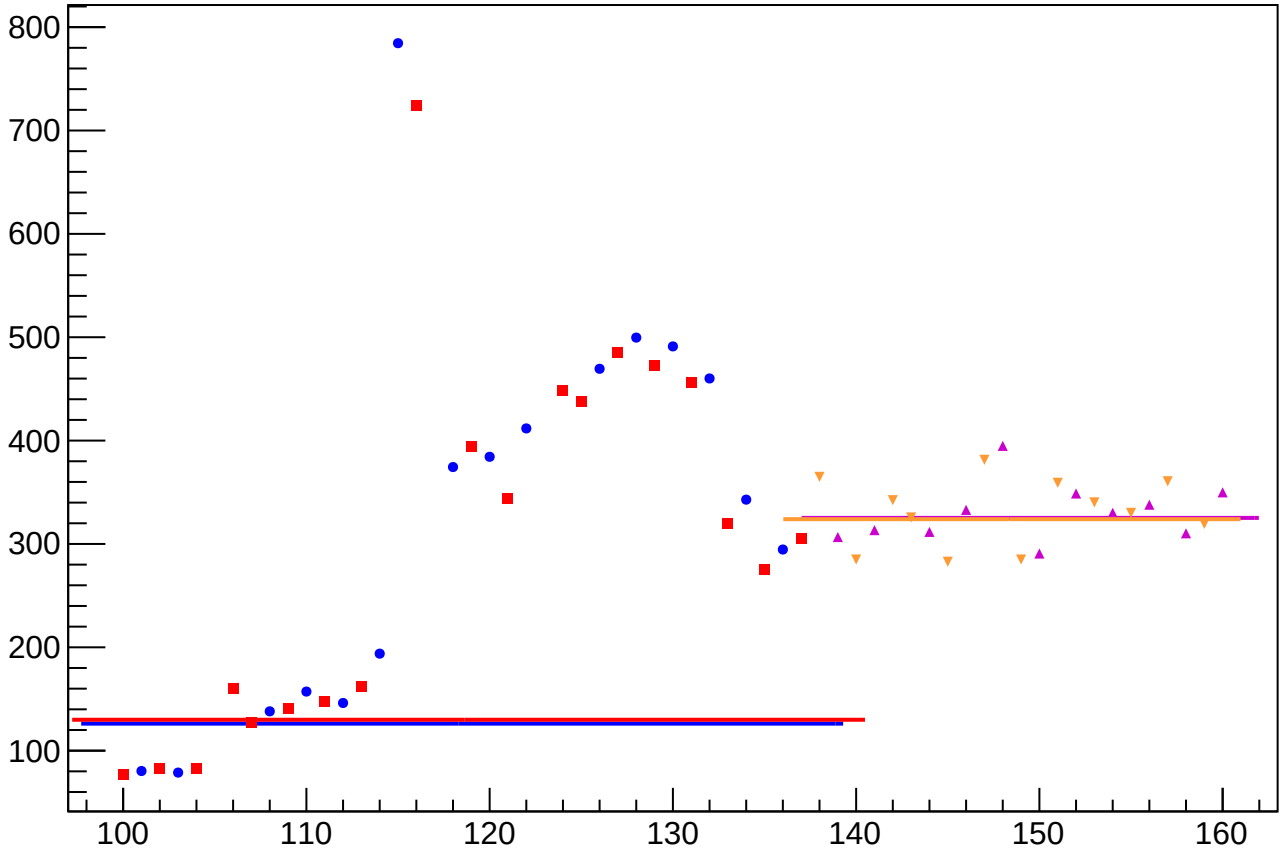
Left In: 118.762+/-106.033 χ^2/NDF:15.4/10

+ sign 121.966+/-51.653 χ^2/NDF: 26.4/27

All: 27.102+/-36.235 χ^2/NDF: 73.5/57

- 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: 323.986+/-0.075 χ^2/NDF:193039.2/11

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

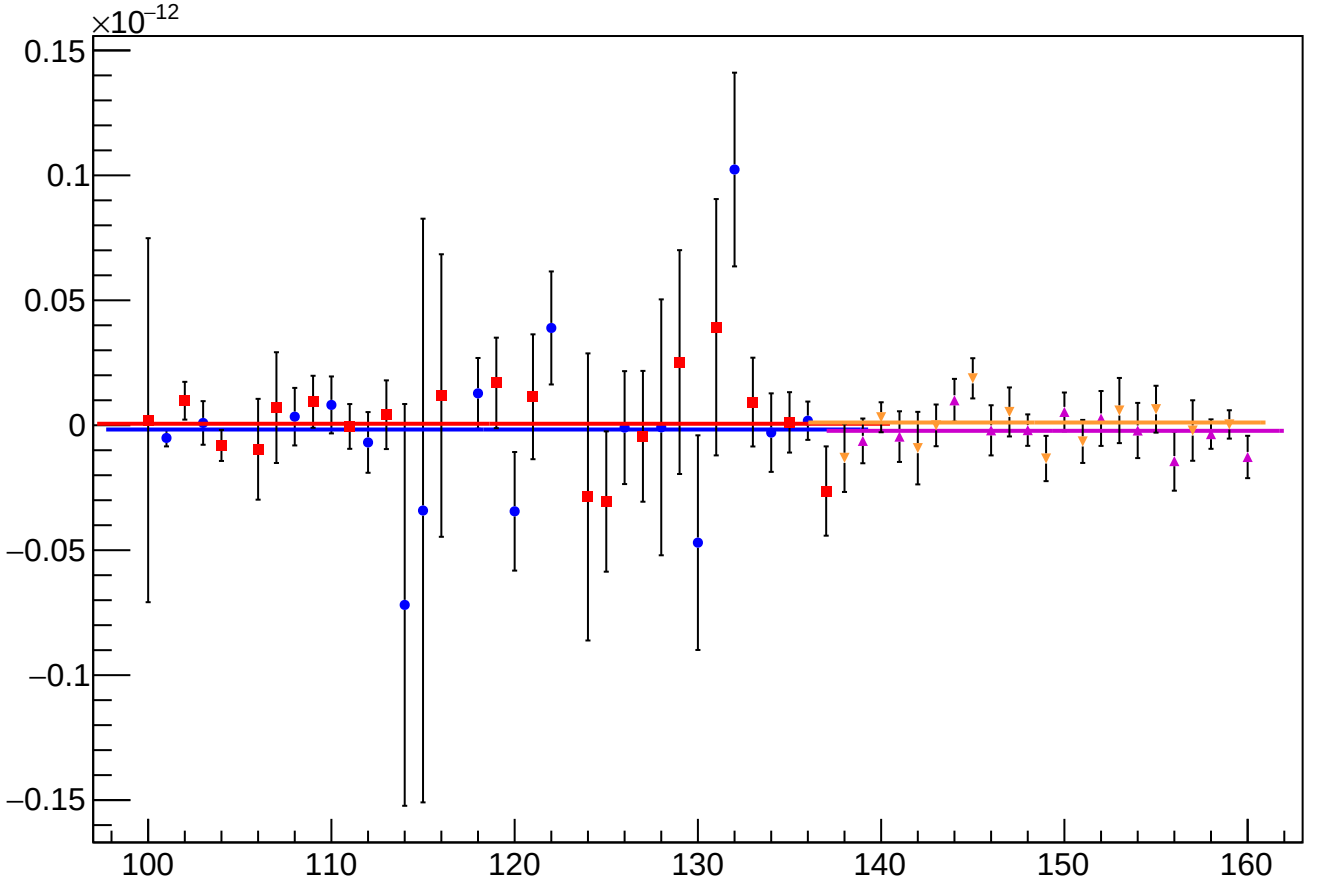
Left In: 325.214+/-0.075 χ^2/NDF:112137.9/10

+ sign 173.220+/-0.037 χ^2/NDF: 10732379.0/27

All: 174.034+/-0.026 χ^2/NDF: 20718068.6/57

- 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:10.6/11

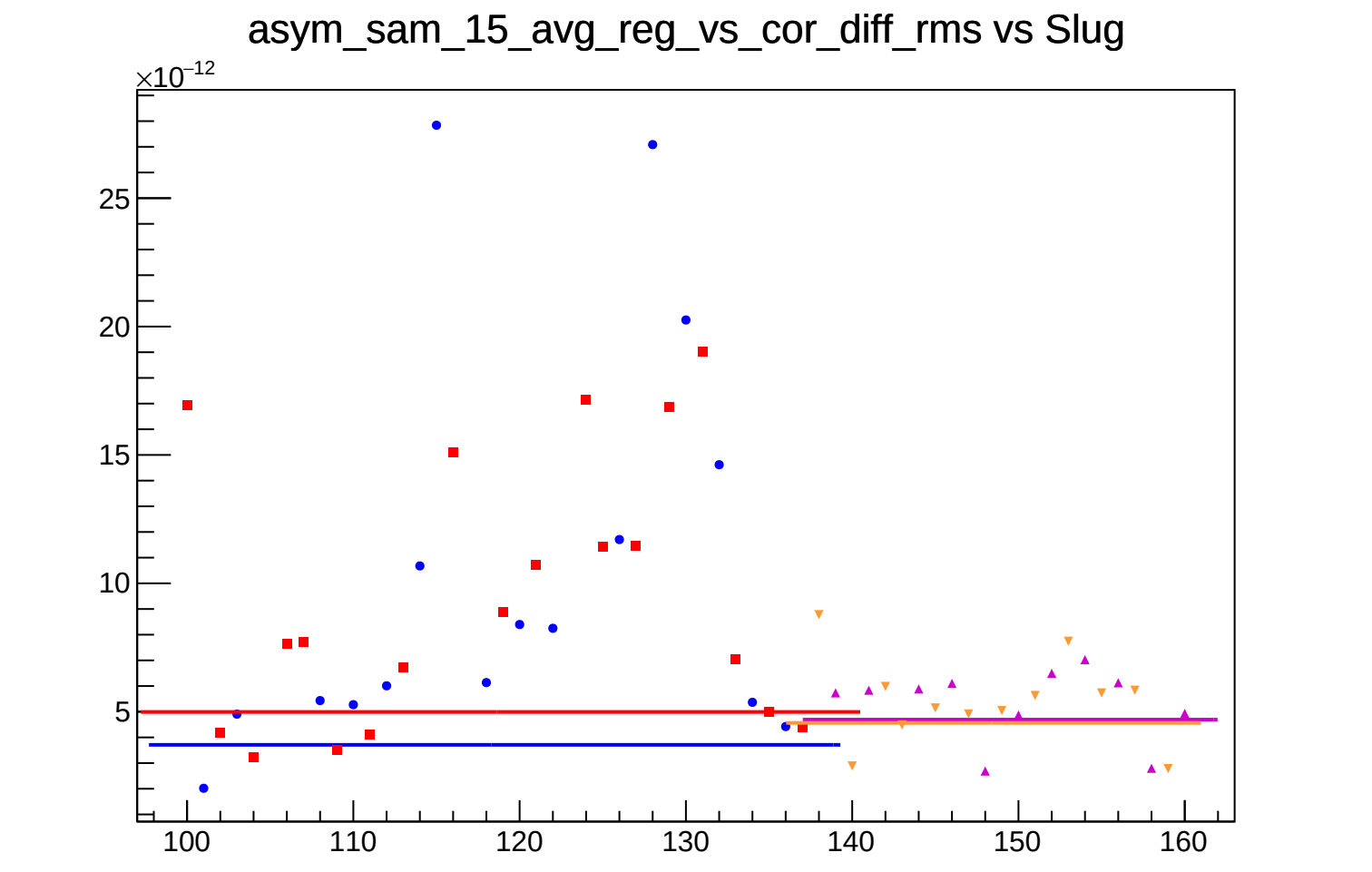
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/10

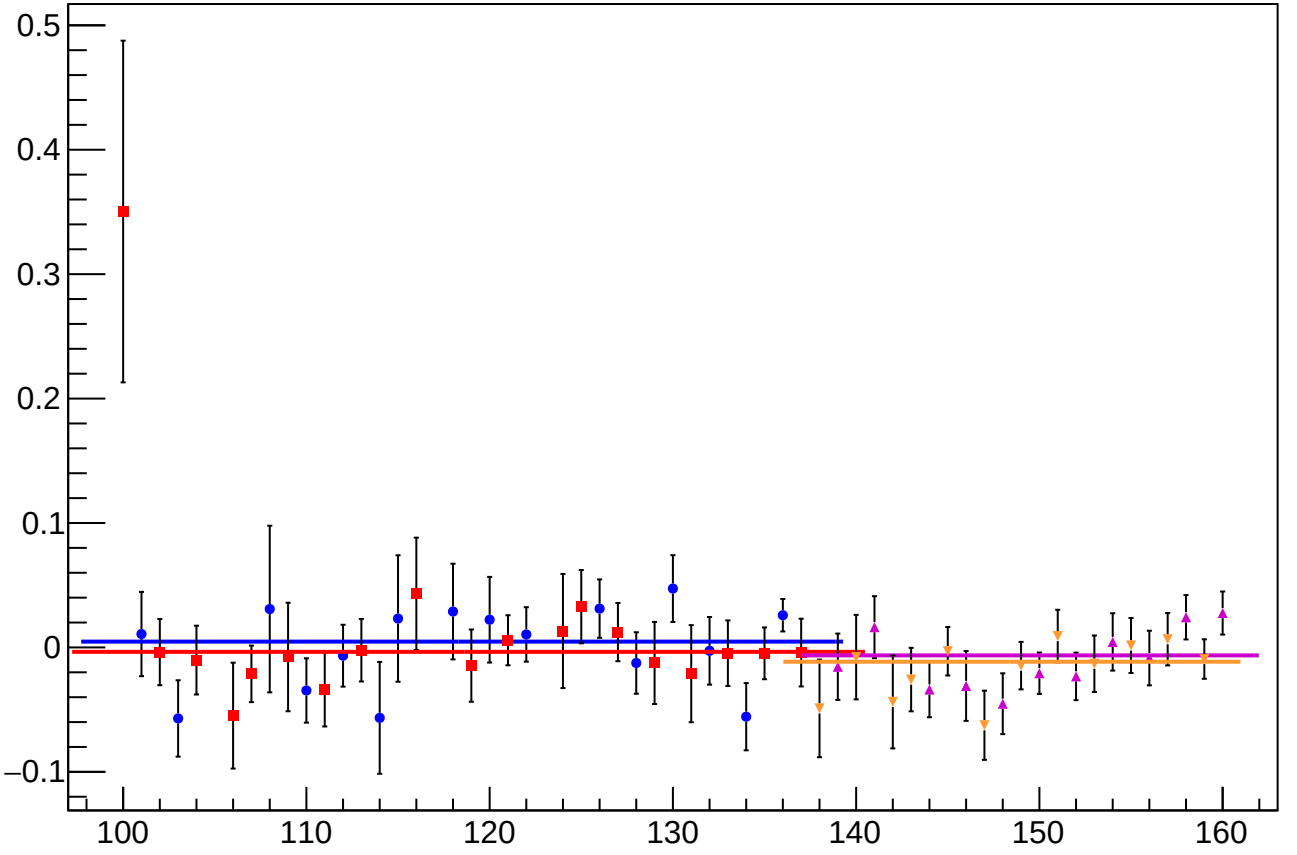
+ sign -0.000+/-0.000 χ^2/NDF: 29.0/27

All: -0.000+/-0.000 χ^2/NDF: 46.1/57

- sign -0.000+/-0.000 χ^2/NDF: 17.1/29


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:783920.0/11
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:715261.2/10
+ sign 0.000+/-0.000 χ²/NDF: 3071188.6/27
All: 0.000+/-0.000 χ²/NDF: 5216947.5/57
- sign 0.000+/-0.000 χ²/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: -0.011+/-0.007 χ^2/NDF:7.6/11

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

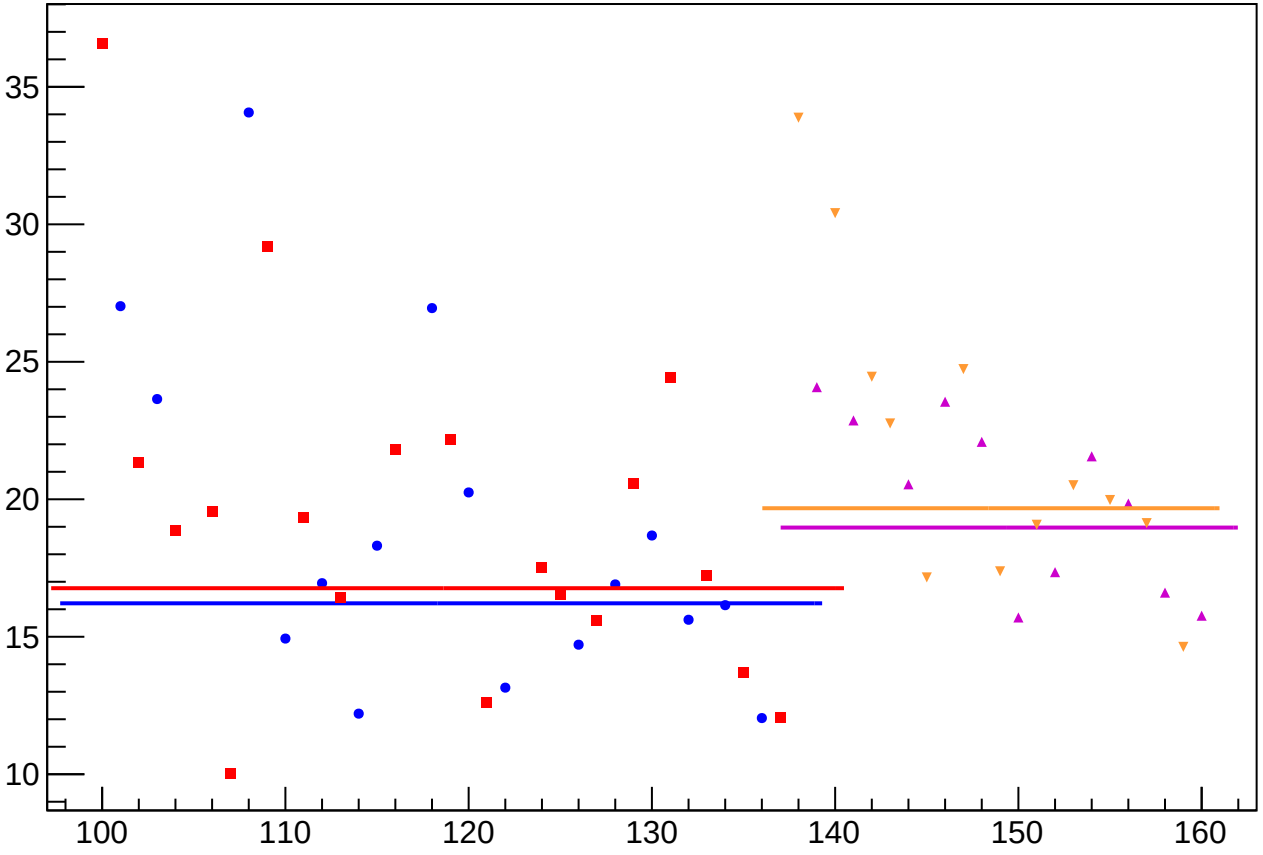
Left In: -0.006+/-0.006 χ^2/NDF:14.3/10

+ sign -0.003+/-0.005 χ^2/NDF: 32.1/27

All: -0.004+/-0.003 χ^2/NDF: 60.2/57

- 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: 19.675+/-0.005 χ^2/NDF:860158.6/11

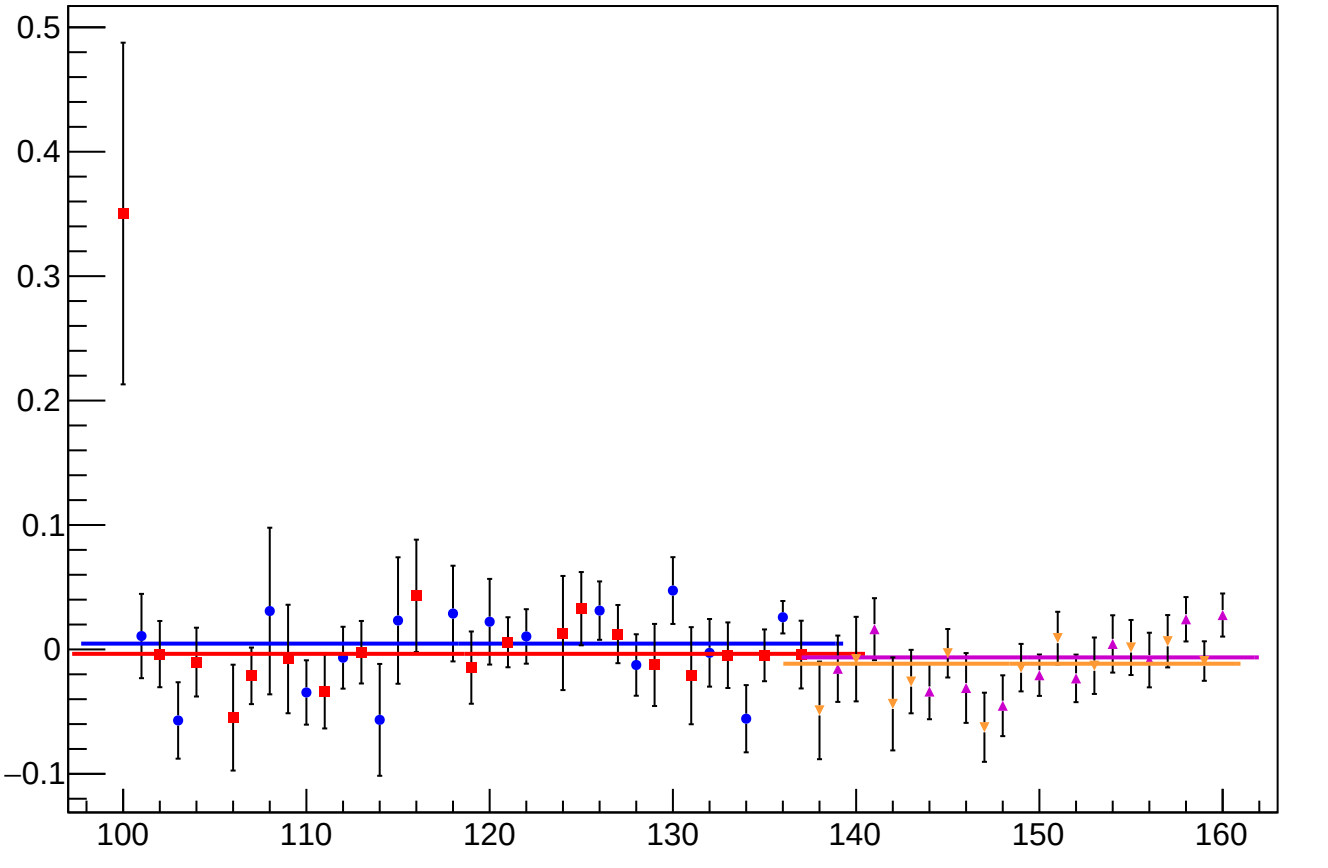
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 18.971+/-0.004 χ^2/NDF:441927.3/10

+ sign 17.934+/-0.003 χ^2/NDF: 2079603.7/27

All: 17.924+/-0.002 χ^2/NDF: 3503648.6/57

- 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: -0.011+/-0.007 χ^2/NDF:7.6/11

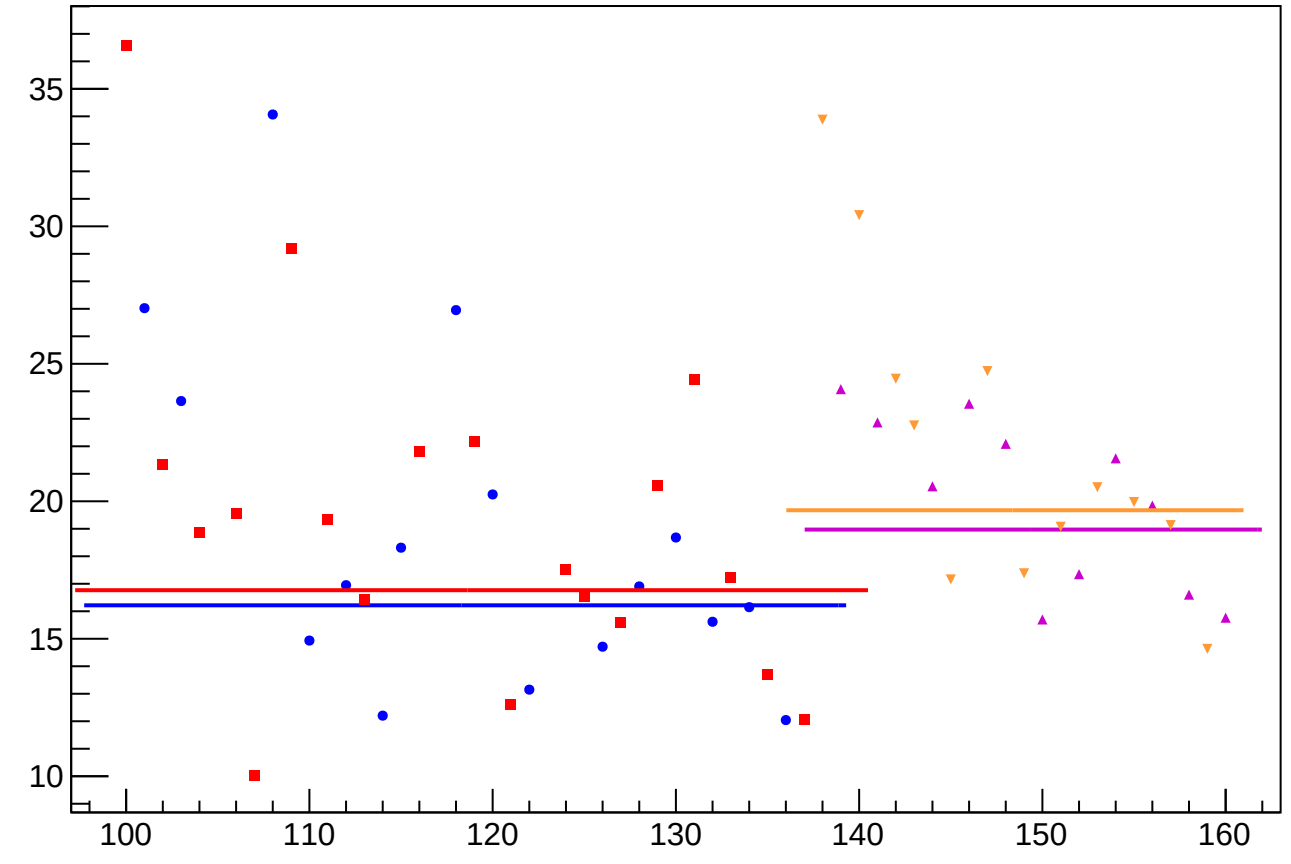
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.006 χ^2/NDF:14.3/10

+ sign -0.003+/-0.005 χ^2/NDF: 32.1/27

All: -0.004+/-0.003 χ^2/NDF: 60.2/57

- 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: 19.675+/-0.005 χ^2/NDF:860158.6/11

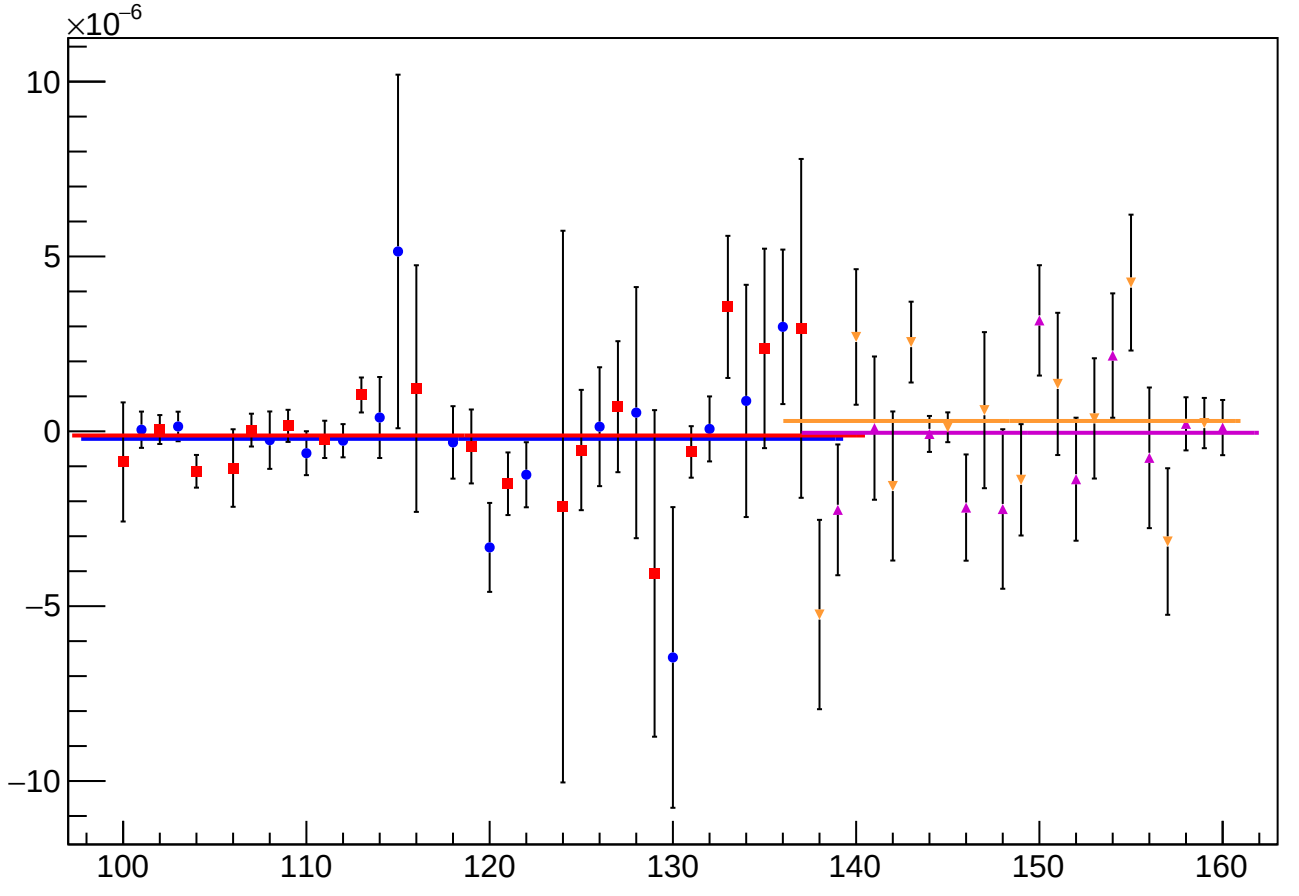
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 18.971+/-0.004 χ^2/NDF:441927.3/10

\+ sign 17.934+/-0.003 χ^2/NDF: 2079603.7/27

All: 17.924+/-0.002 χ^2/NDF: 3503648.6/57

\- 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:18.7/11

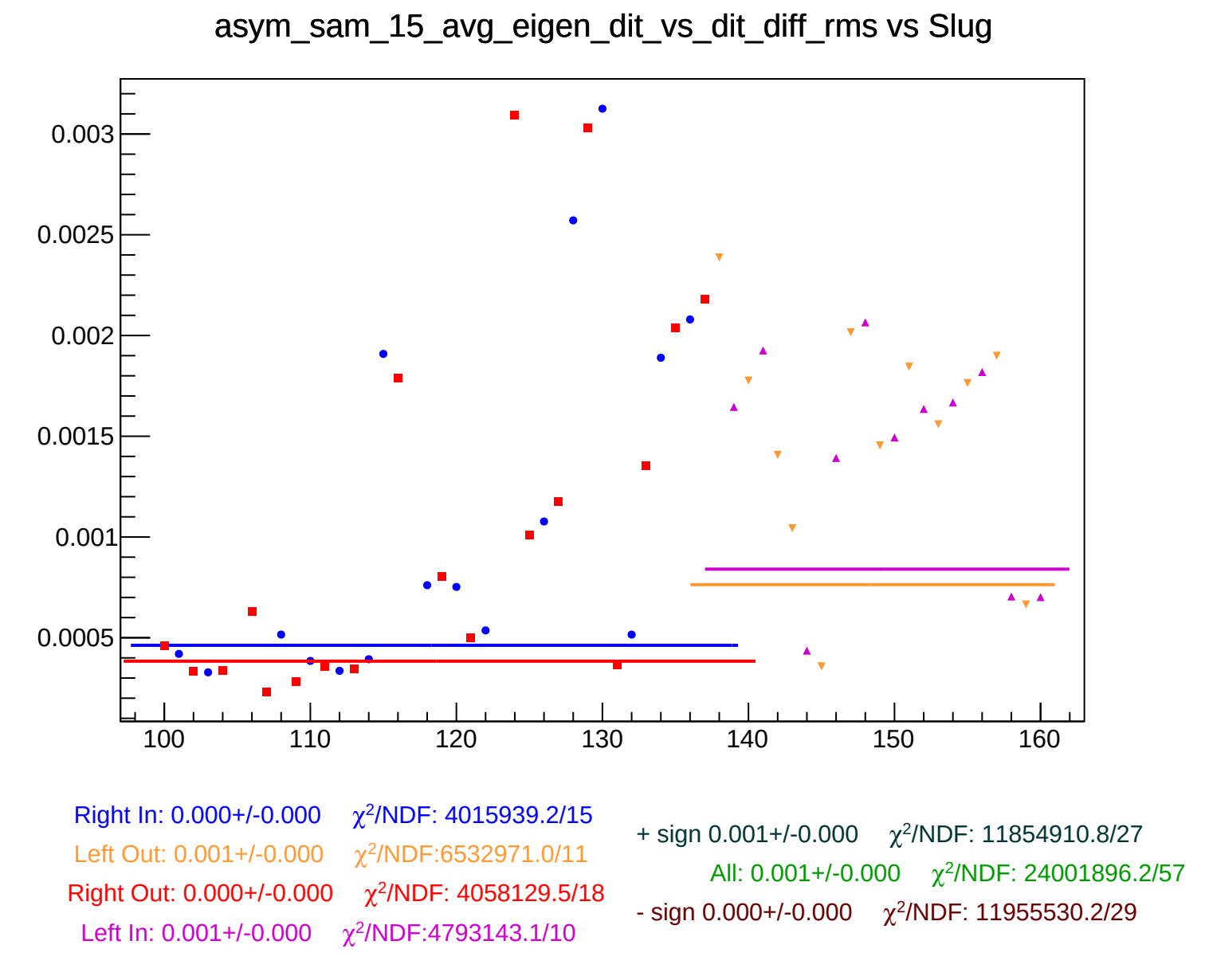
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/10

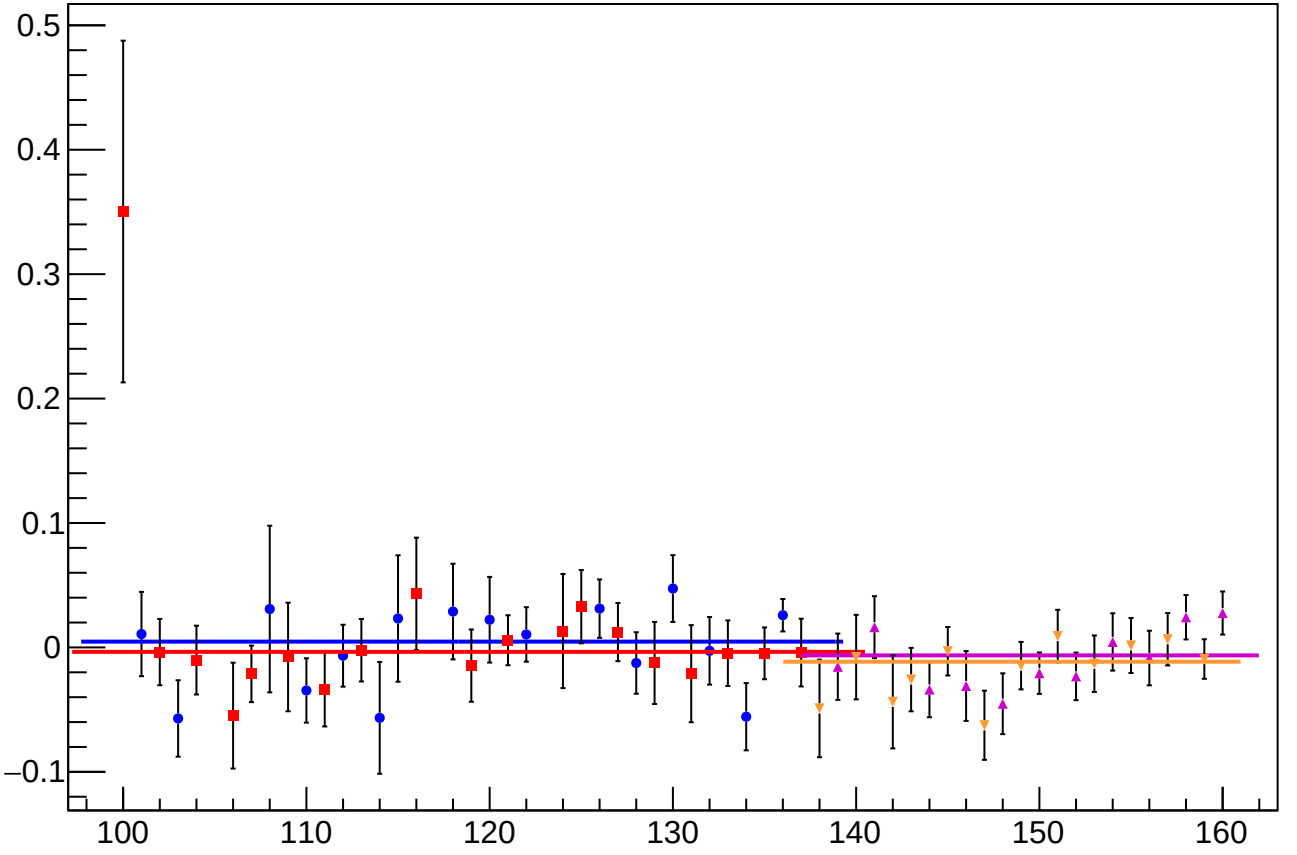
+ sign -0.000+/-0.000 χ^2/NDF: 35.1/27

All: -0.000+/-0.000 χ^2/NDF: 66.2/57

- 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:6532971.0/11
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: 11854910.8/27
All: 0.001+/-0.000 χ²/NDF: 24001896.2/57
- sign 0.000+/-0.000 χ²/NDF: 11955530.2/29

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.011+/-0.007 χ^2/NDF:7.6/11

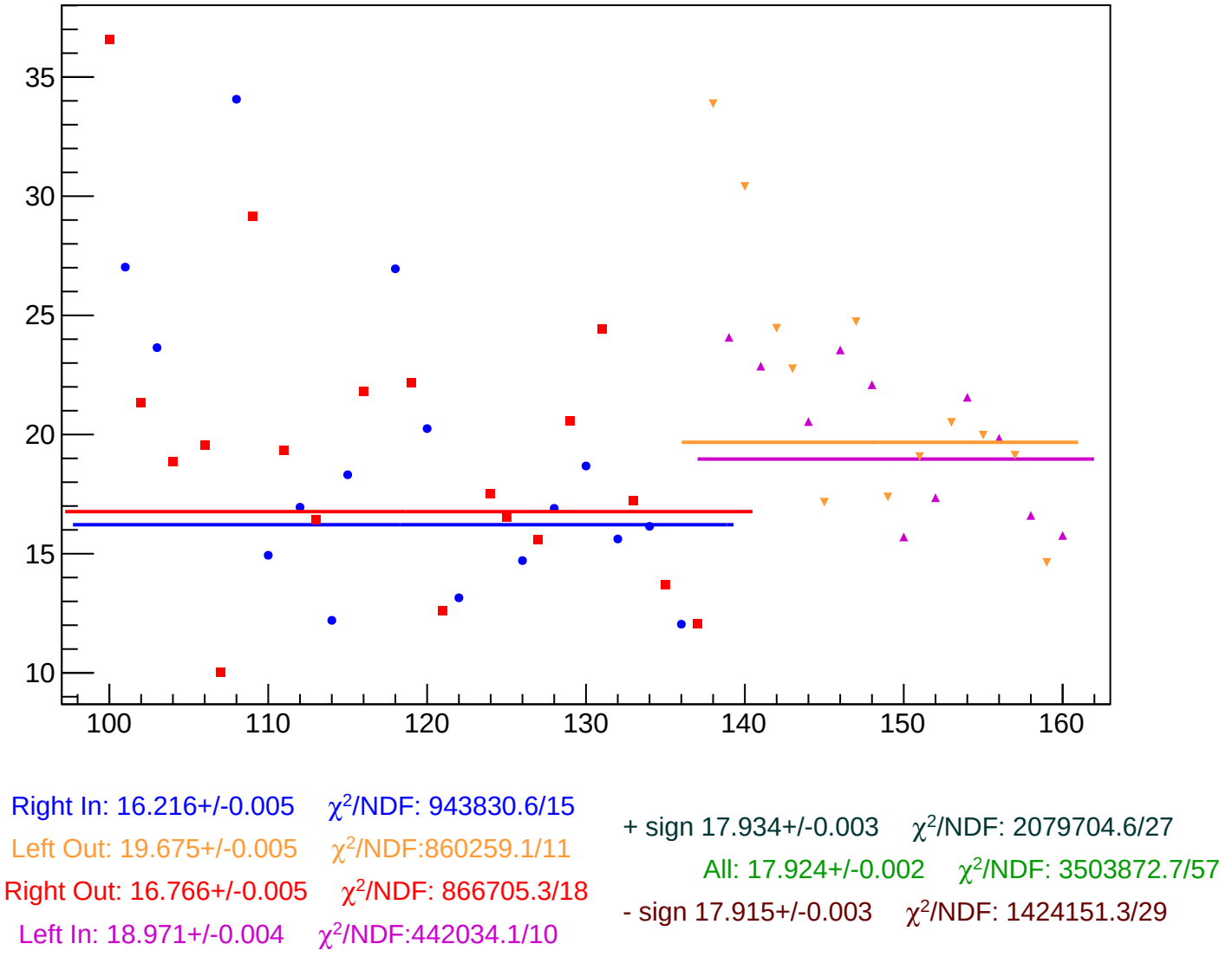
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.006 χ^2/NDF:14.3/10

+ sign -0.003+/-0.005 χ^2/NDF: 32.1/27

All: -0.004+/-0.003 χ^2/NDF: 60.2/57

- sign -0.005+/-0.005 χ^2/NDF: 28.0/29


asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug
35
30
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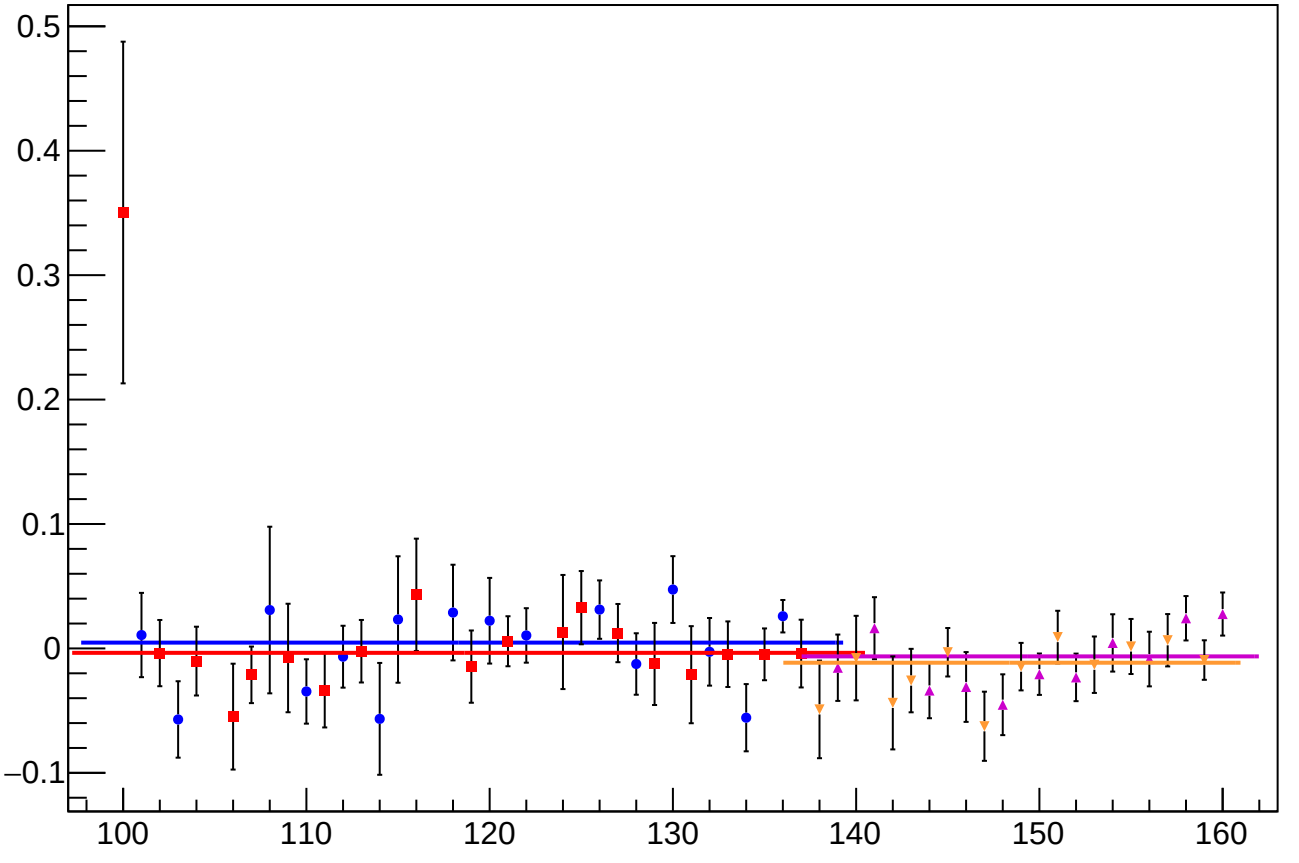
15
10
100
110
120
130
140
150
160
Right In: 16.216+/-0.005 χ²/NDF: 943830.6/15
Left Out: 19.675+/-0.005 χ²/NDF:860259.1/11
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 18.971+/-0.004 χ²/NDF:442034.1/10
+ sign 17.934+/-0.003 χ²/NDF: 2079704.6/27
All: 17.924+/-0.002 χ²/NDF: 3503872.7/57
- sign 17.915+/-0.003 χ²/NDF: 1424151.3/29



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.011+/-0.007 χ^2/NDF:7.6/11

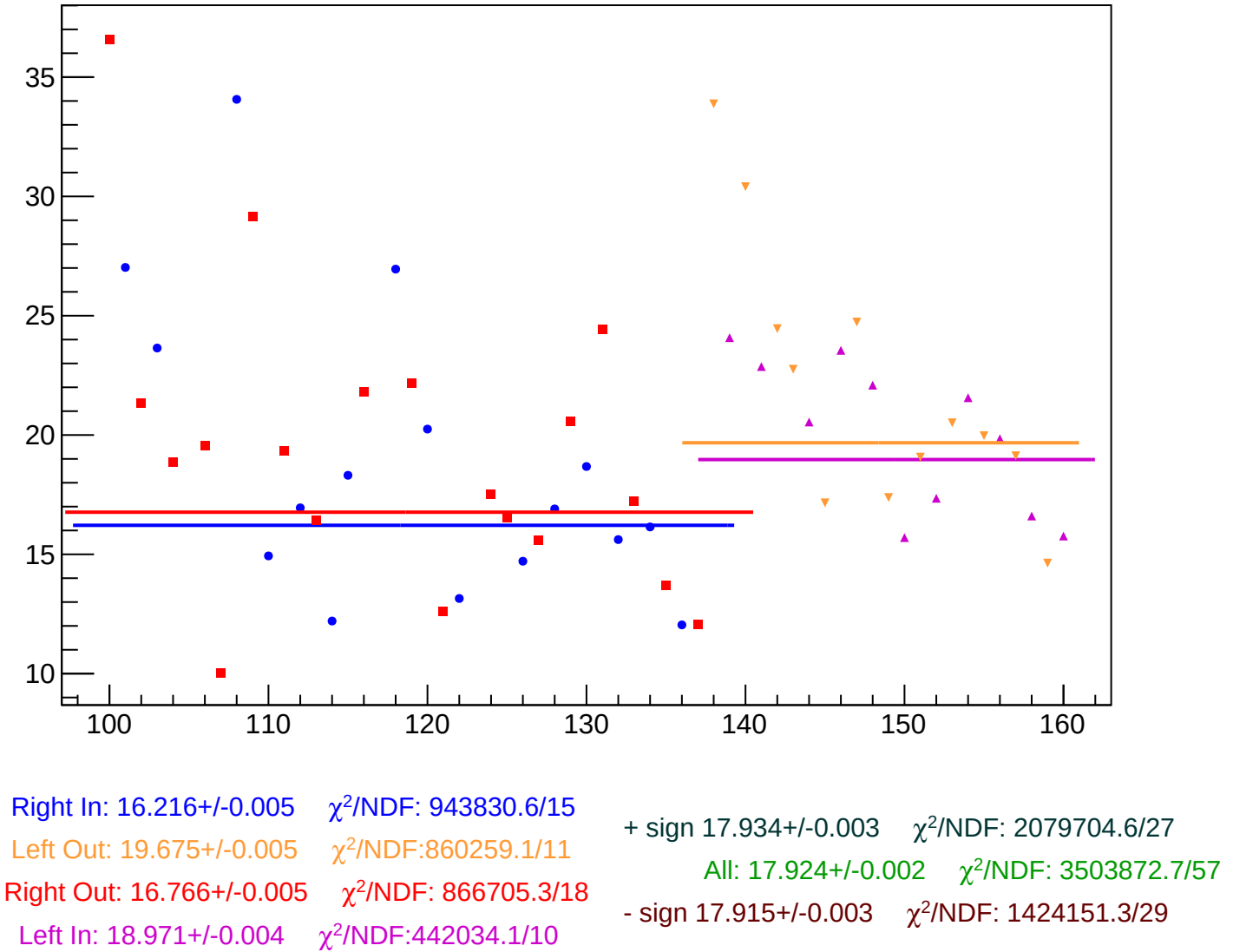
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.006 χ^2/NDF:14.3/10

+ sign -0.003+/-0.005 χ^2/NDF: 32.1/27

All: -0.004+/-0.003 χ^2/NDF: 60.2/57

- 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
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100
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120
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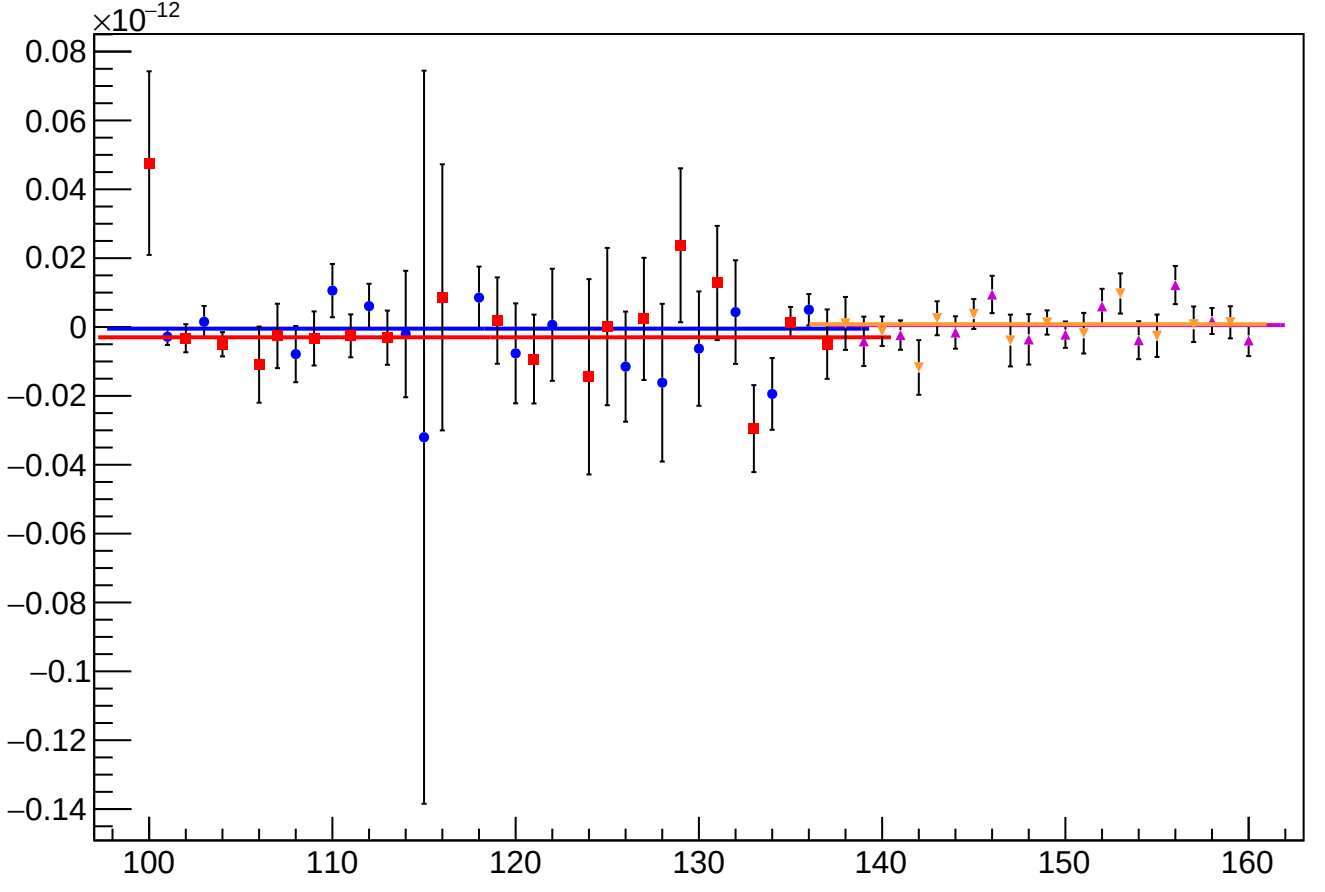
140
150
160
Right In: 16.216+/-0.005 χ²/NDF: 943830.6/15
Left Out: 19.675+/-0.005 χ²/NDF:860259.1/11
Right Out: 16.766+/-0.005 χ²/NDF: 866705.3/18
Left In: 18.971+/-0.004 χ²/NDF:442034.1/10
+ sign 17.934+/-0.003 χ²/NDF: 2079704.6/27
All: 17.924+/-0.002 χ²/NDF: 3503872.7/57
- sign 17.915+/-0.003 χ²/NDF: 1424151.3/29



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/11

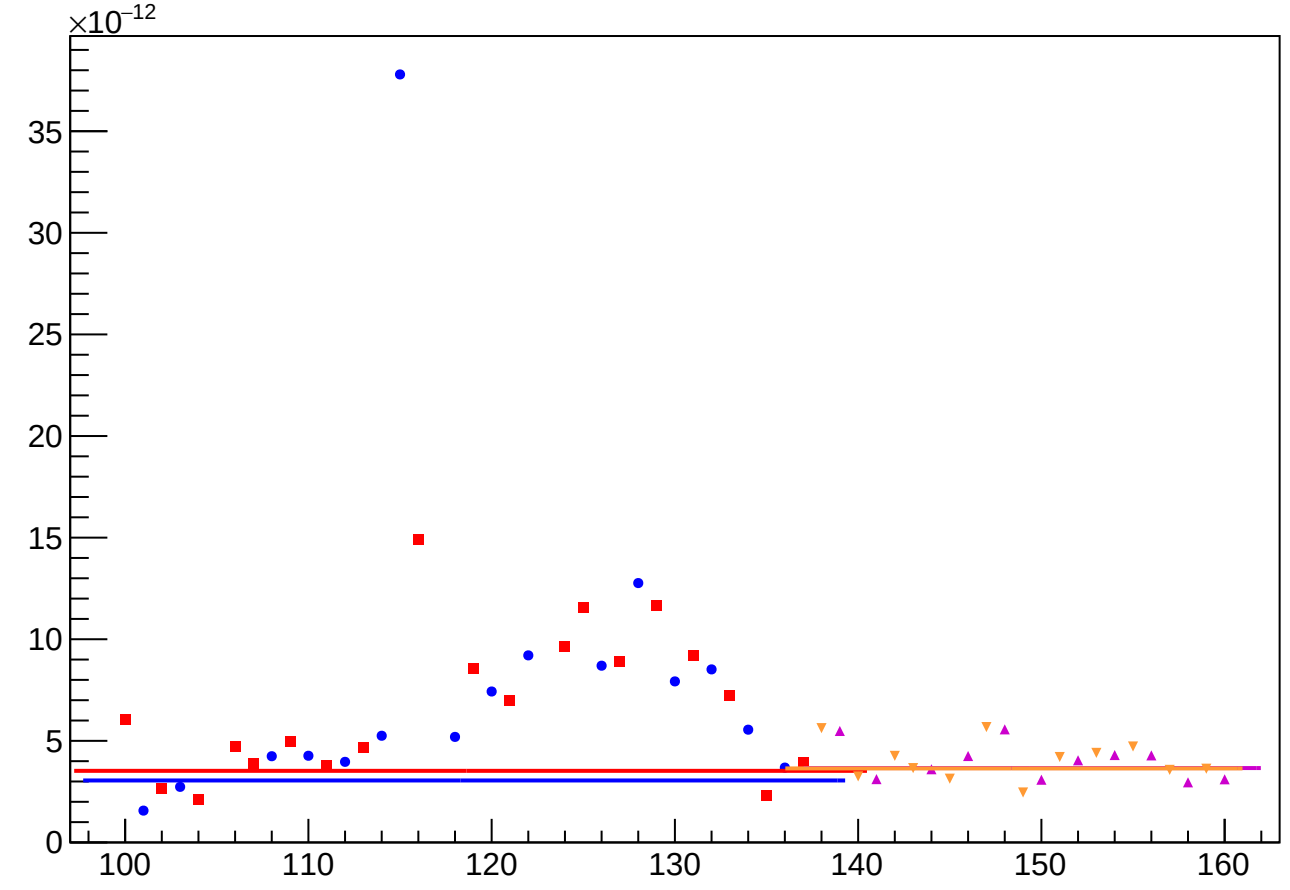
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 19.2/27

All: -0.000+/-0.000 χ^2/NDF: 46.9/57

- 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:675904.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

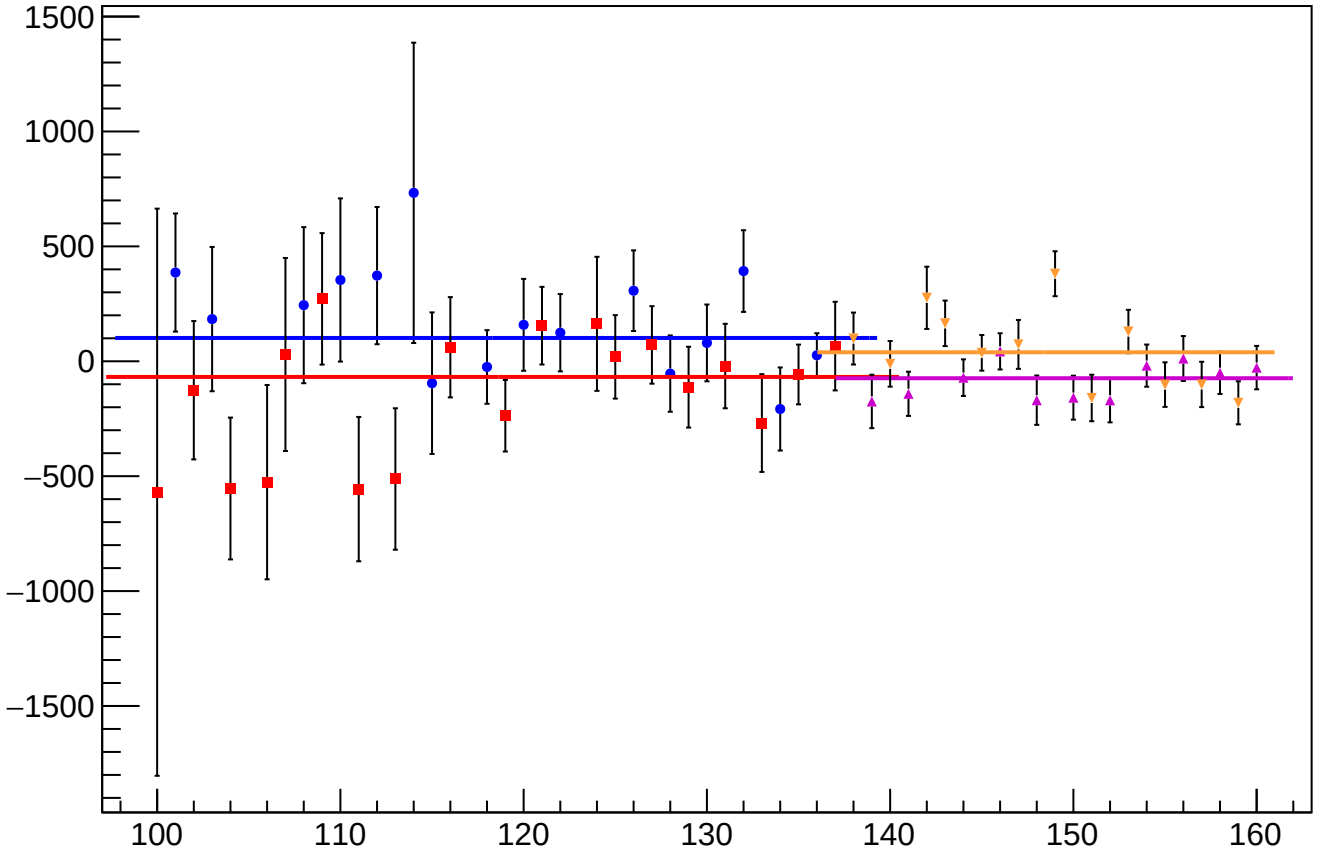
Left In: 0.000+/-0.000 χ^2/NDF:528829.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 3756359.8/27

All: 0.000+/-0.000 χ^2/NDF: 6894179.0/57

- 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: 39.139+/-28.532 χ^2/NDF:31.9/11

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

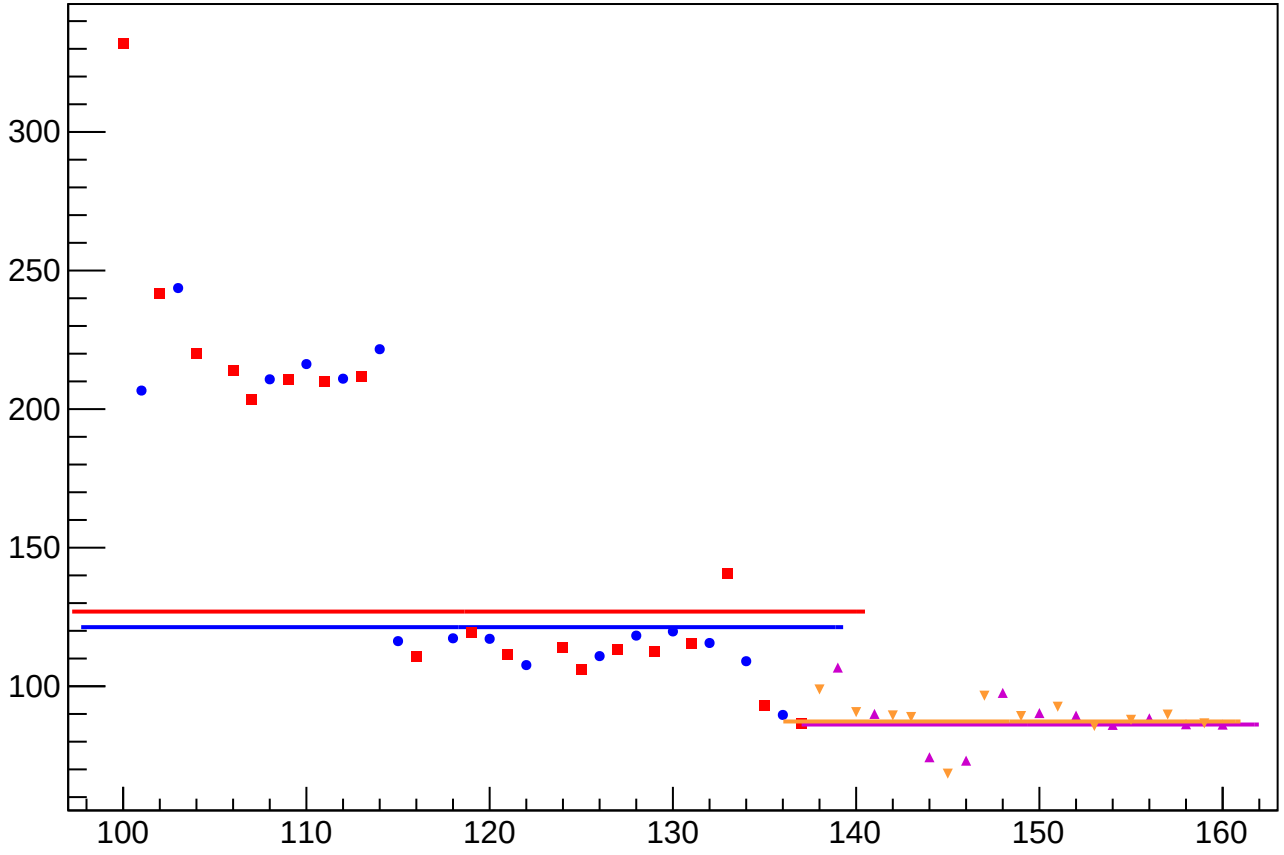
Left In: -73.804+/-28.192 χ^2/NDF:7.4/10

+ sign 55.597+/-24.477 χ^2/NDF: 46.6/27

All: -8.403+/-17.308 χ^2/NDF: 83.8/57

- 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: 87.288+/-0.020 χ^2/NDF:165768.1/11

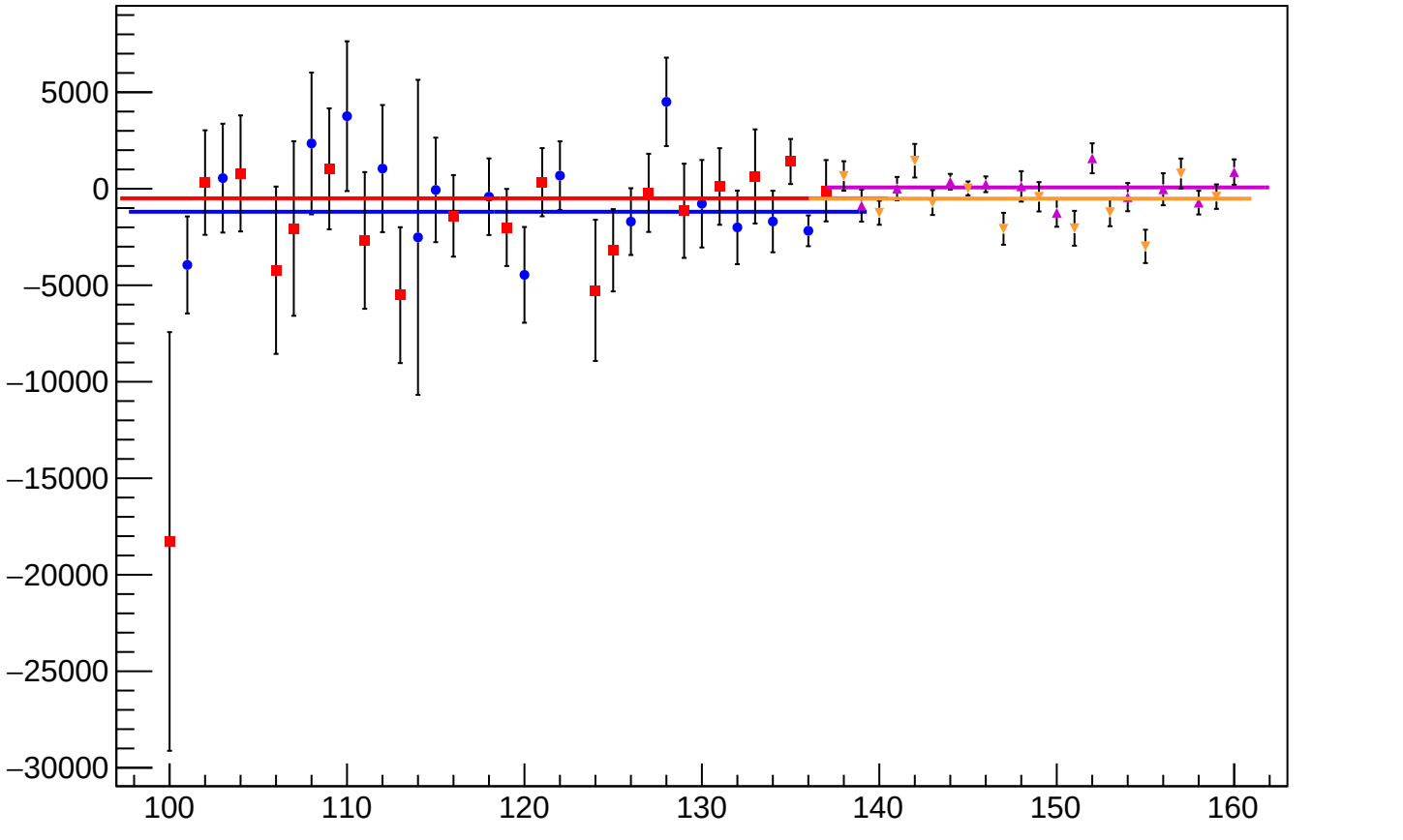
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.190+/-0.020 χ^2/NDF:194032.3/10

+ sign 96.277+/-0.017 χ^2/NDF: 2204030.1/27

All: 96.251+/-0.012 χ^2/NDF: 4898737.5/57

- 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: -510.993+/-190.794 χ^2/NDF:29.6/11

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

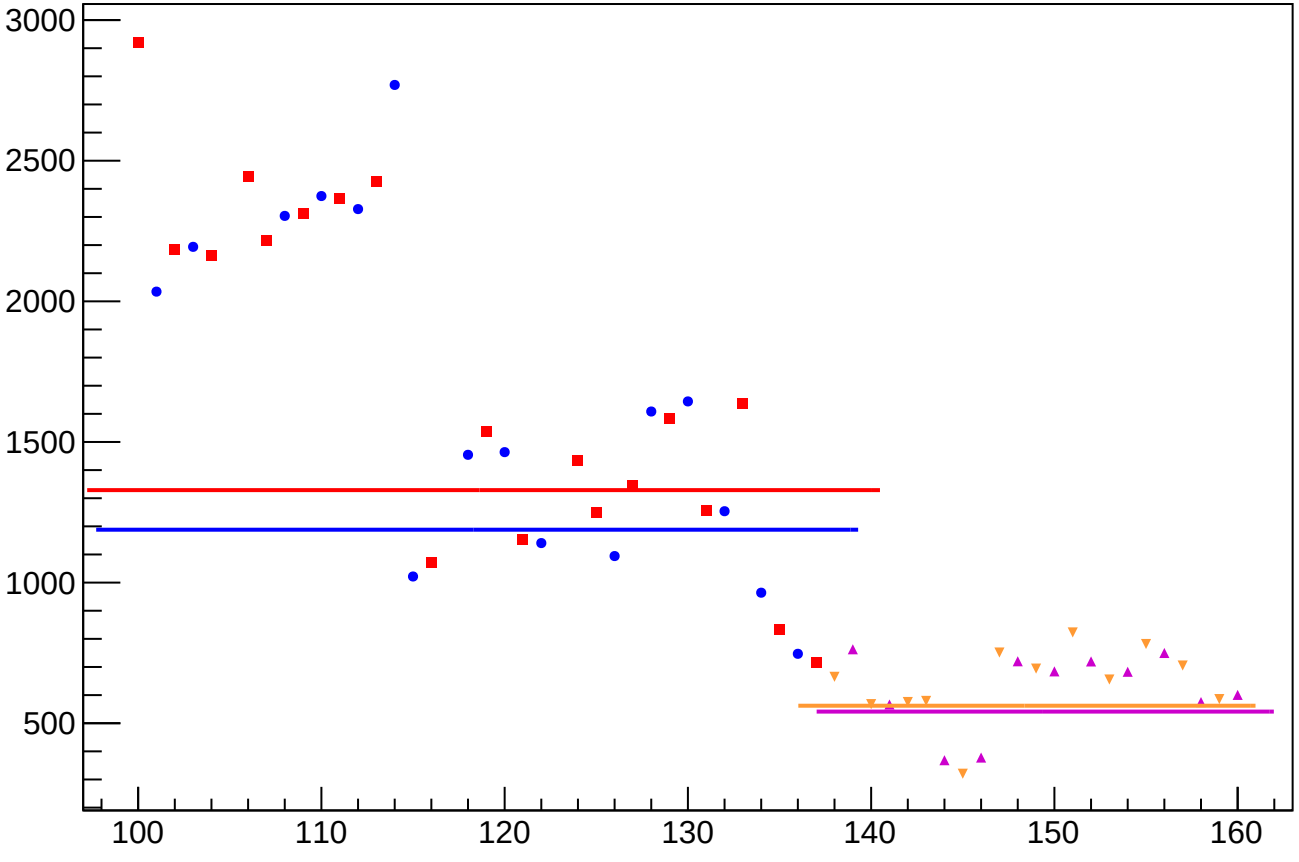
Left In: 68.893+/-183.243 χ^2/NDF:12.7/10

+ sign -604.298+/-177.246 χ^2/NDF: 47.2/27

All: -291.038+/-123.763 χ^2/NDF: 80.9/57

- 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: 562.269+/-0.135 χ^2/NDF:1494494.7/11

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

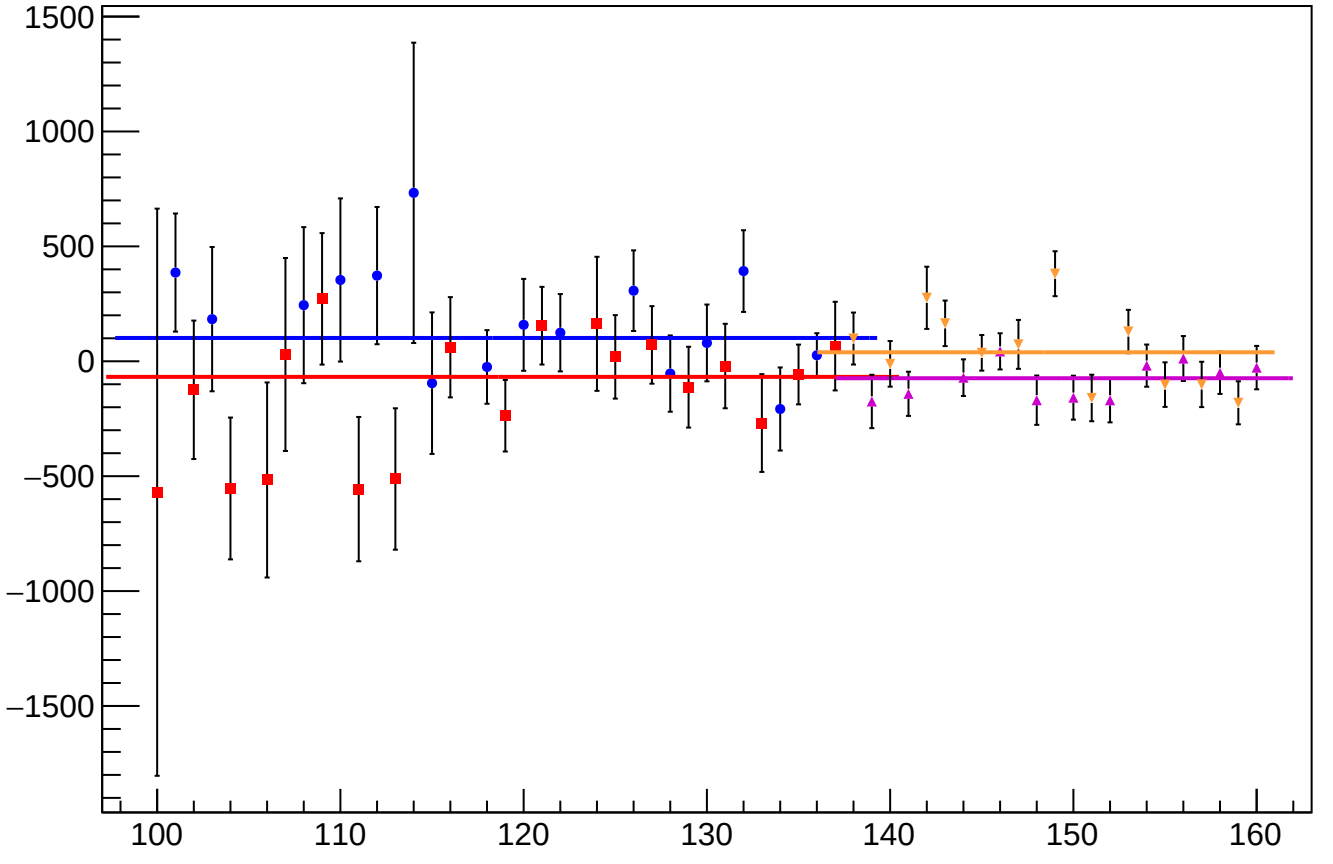
Left In: 541.387+/-0.130 χ^2/NDF:1343633.1/10

+ sign 647.989+/-0.125 χ^2/NDF: 6486402.2/27

All: 637.668+/-0.088 χ^2/NDF: 13856170.2/57

- 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: 39.145+/-28.532 χ^2/NDF:31.9/11

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

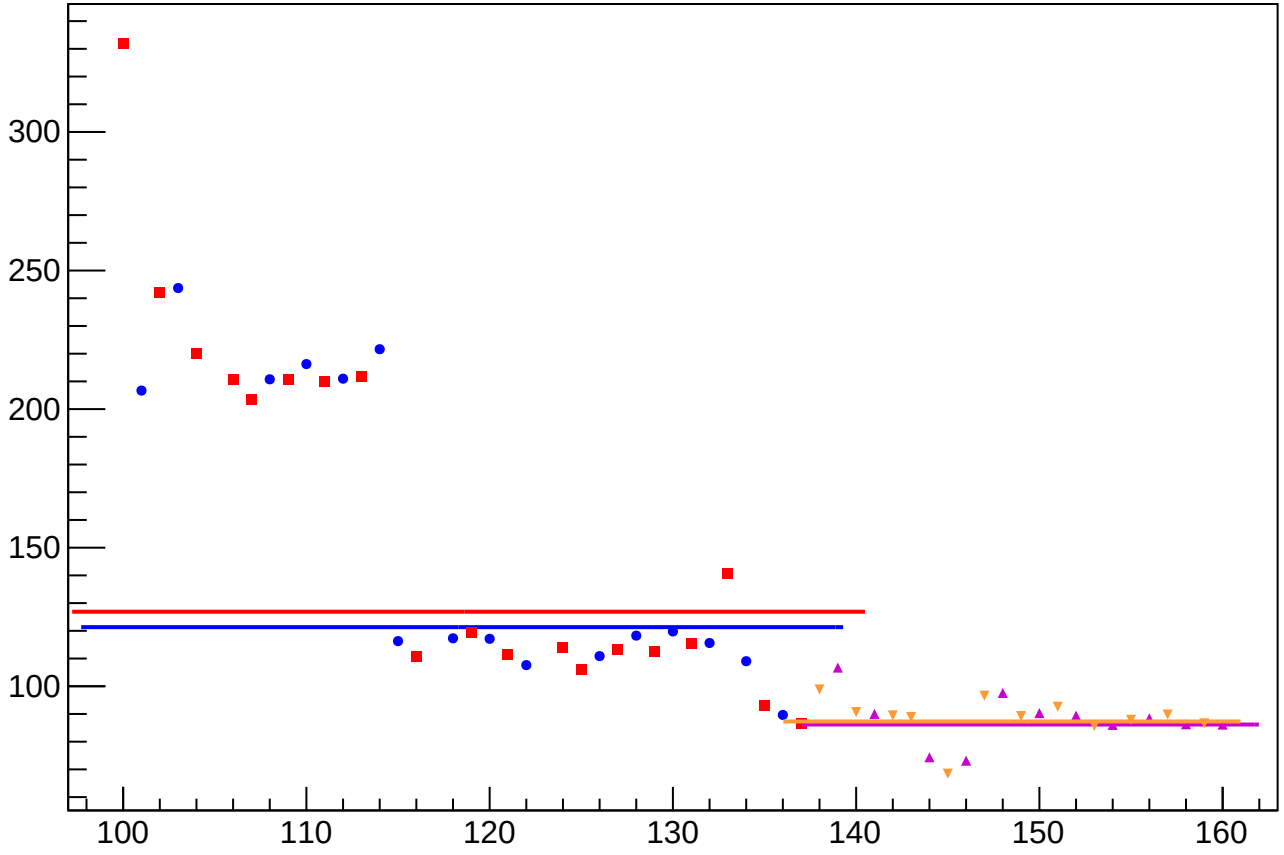
Left In: -73.804+/-28.192 χ^2/NDF:7.5/10

+ sign 55.598+/-24.477 χ^2/NDF: 46.6/27

All: -8.373+/-17.308 χ^2/NDF: 83.8/57

- 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: 87.288+/-0.020 χ^2/NDF:165768.1/11

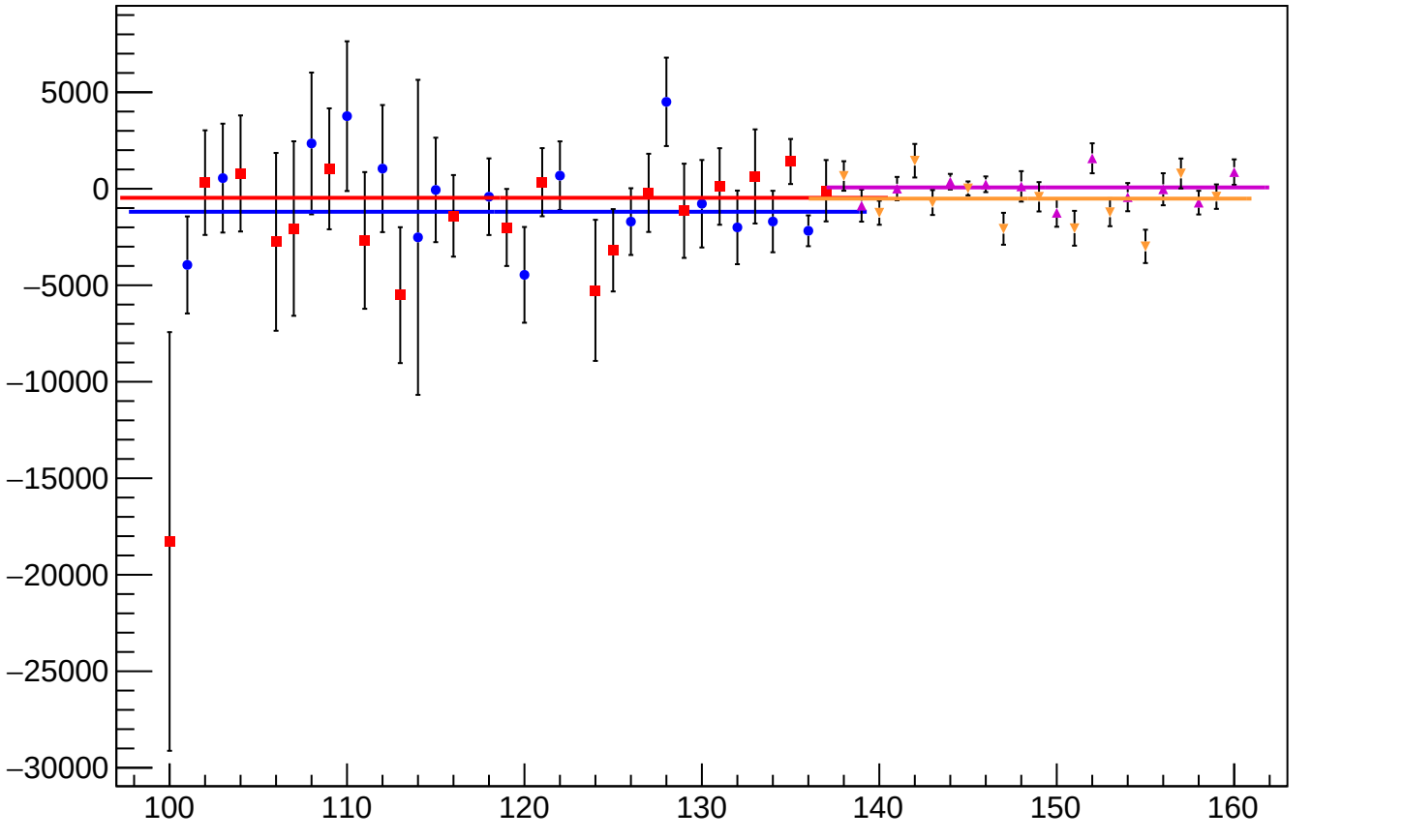
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.190+/-0.020 χ^2/NDF:194032.3/10

\+ sign 96.277+/-0.017 χ^2/NDF: 2204032.4/27

All: 96.244+/-0.012 χ^2/NDF: 4890008.0/57

\- 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: -510.984+/-190.794 χ^2/NDF:29.6/11

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

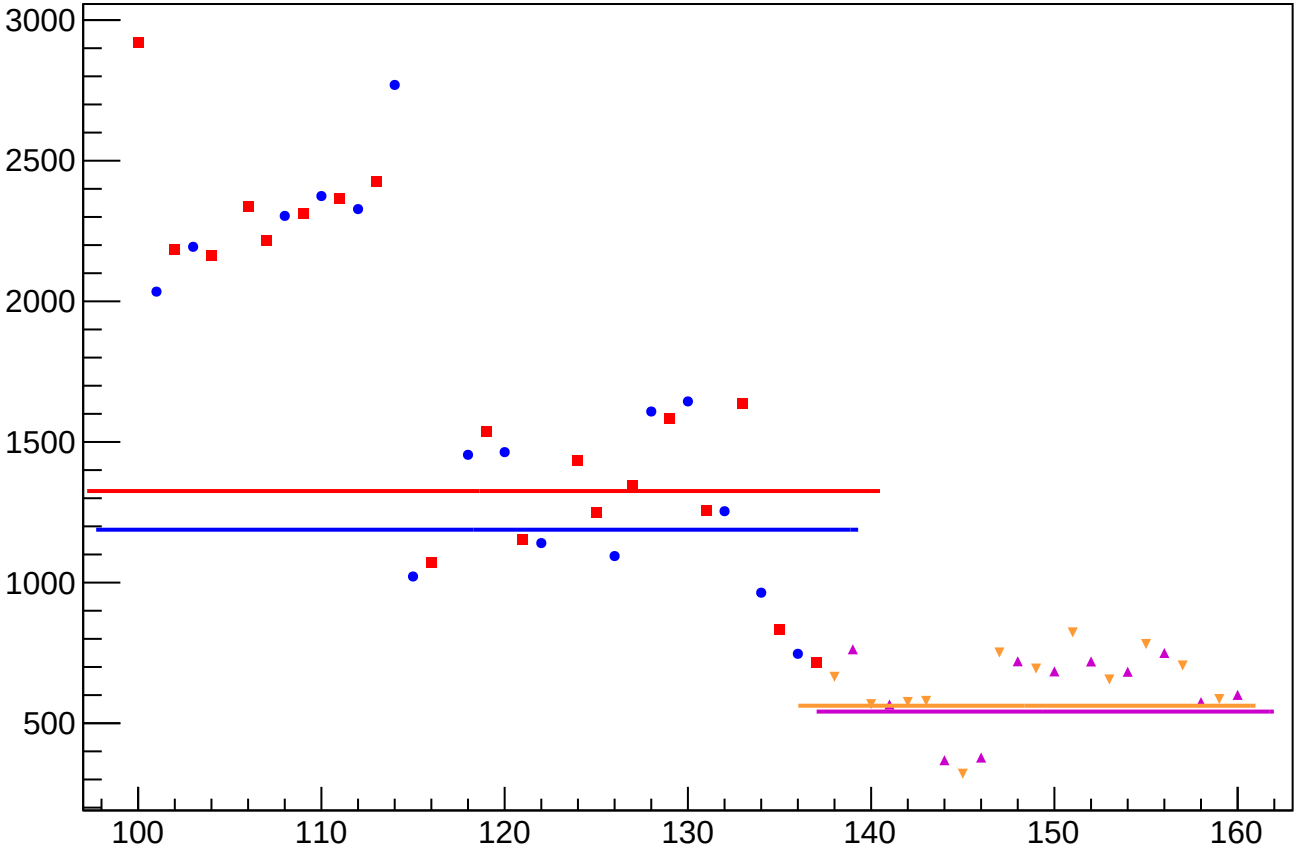
Left In: 68.888+/-183.243 χ^2/NDF:12.7/10

\+ sign -604.287+/-177.246 χ^2/NDF: 47.2/27

All: -289.616+/-123.769 χ^2/NDF: 80.4/57

\- 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: 562.268+/-0.135 χ^2/NDF:1494504.2/11

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

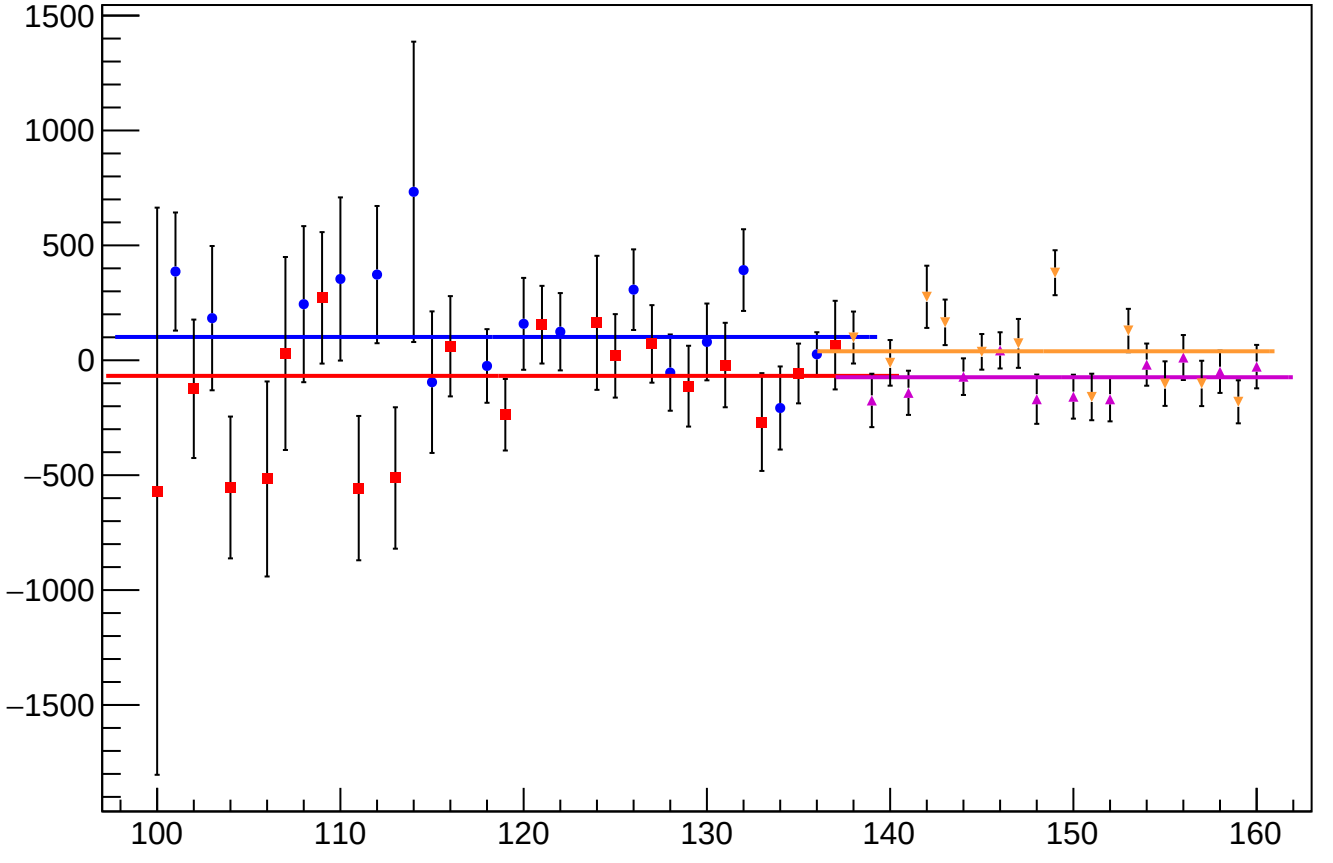
Left In: 541.387+/-0.130 χ^2/NDF:1343635.1/10

+ sign 647.988+/-0.125 χ^2/NDF: 6486438.5/27

All: 637.418+/-0.088 χ^2/NDF: 13780521.4/57

- 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: 39.145+/-28.532 χ^2/NDF:31.9/11

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

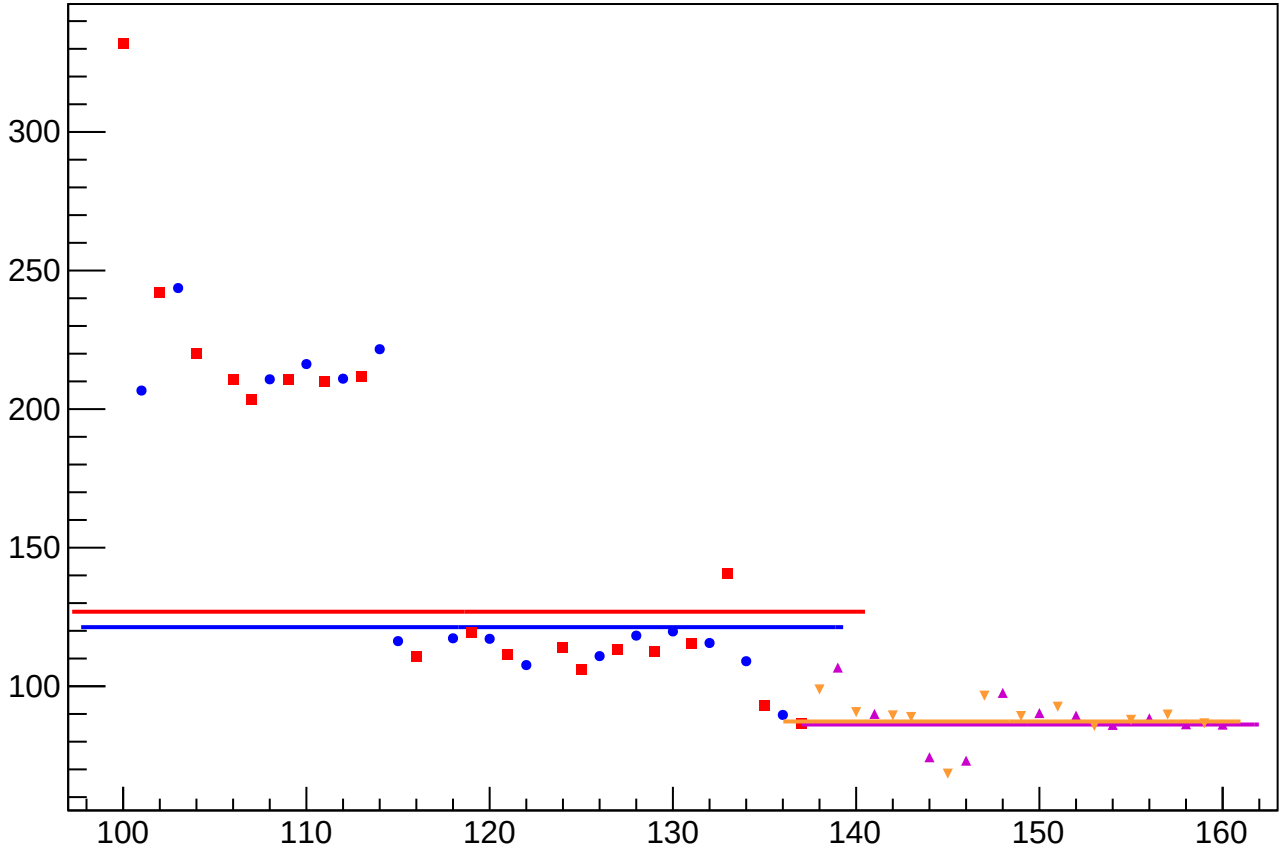
Left In: -73.804+/-28.192 χ^2/NDF:7.5/10

+ sign 55.598+/-24.477 χ^2/NDF: 46.6/27

All: -8.373+/-17.308 χ^2/NDF: 83.8/57

- 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: 87.288+/-0.020 χ^2/NDF:165768.1/11

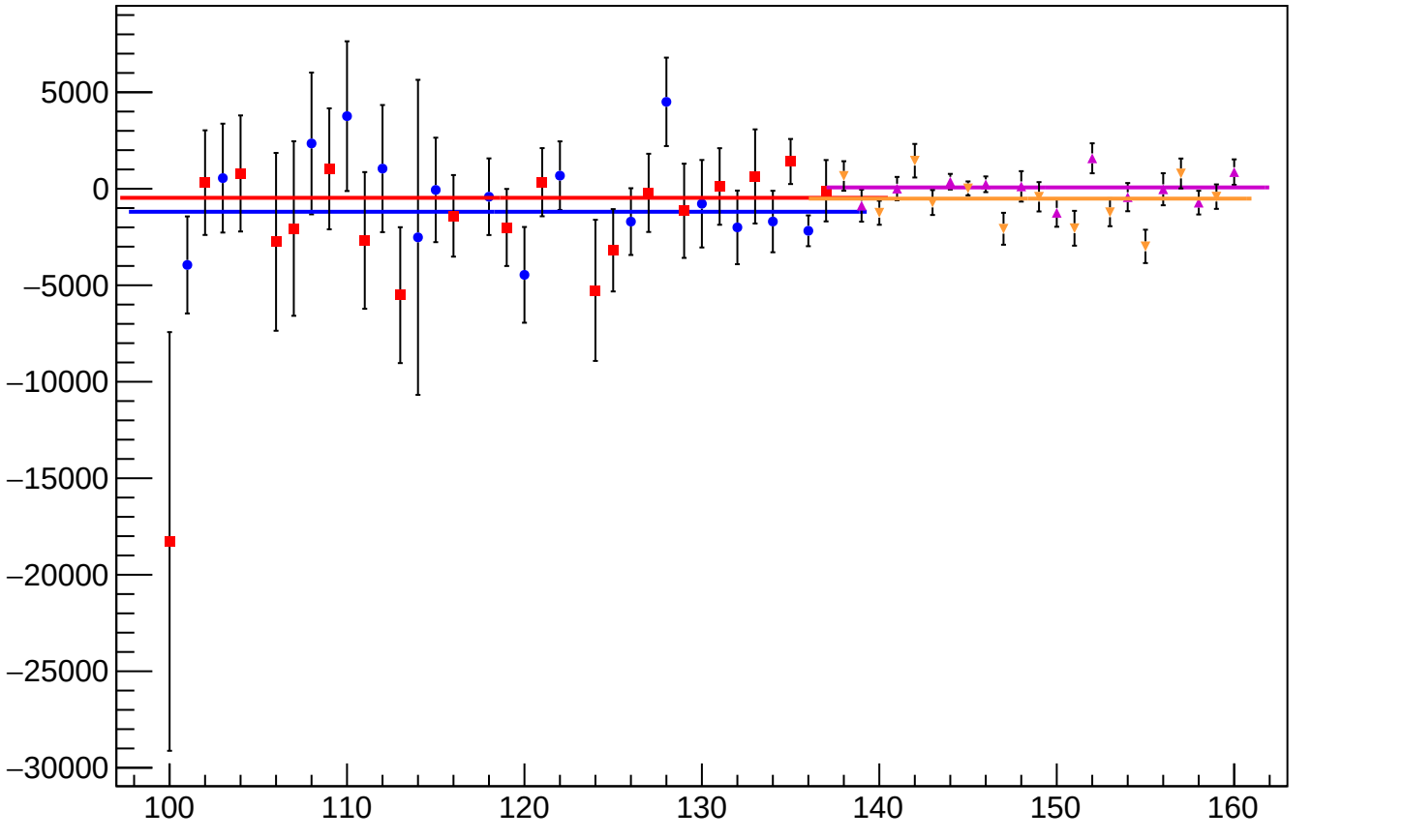
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.190+/-0.020 χ^2/NDF:194032.3/10

+ sign 96.277+/-0.017 χ^2/NDF: 2204032.4/27

All: 96.244+/-0.012 χ^2/NDF: 4890008.0/57

- 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: -510.984+/-190.794 χ^2/NDF:29.6/11

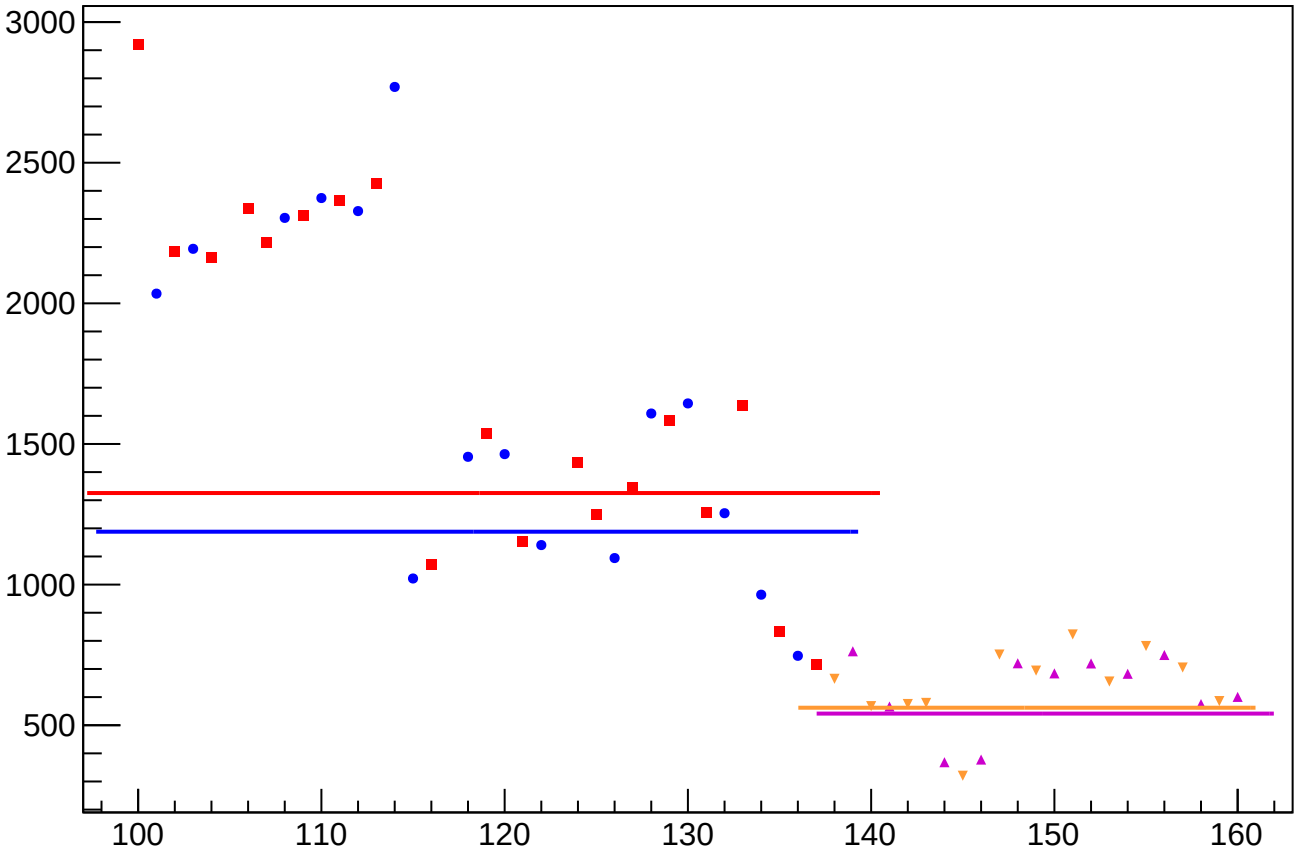
Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 68.888+/-183.243 χ^2/NDF:12.7/10

+ sign -604.287+/-177.246 χ^2/NDF: 47.2/27

All: -289.616+/-123.769 χ^2/NDF: 80.4/57

- 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: 562.268+/-0.135 χ^2/NDF:1494504.2/11

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

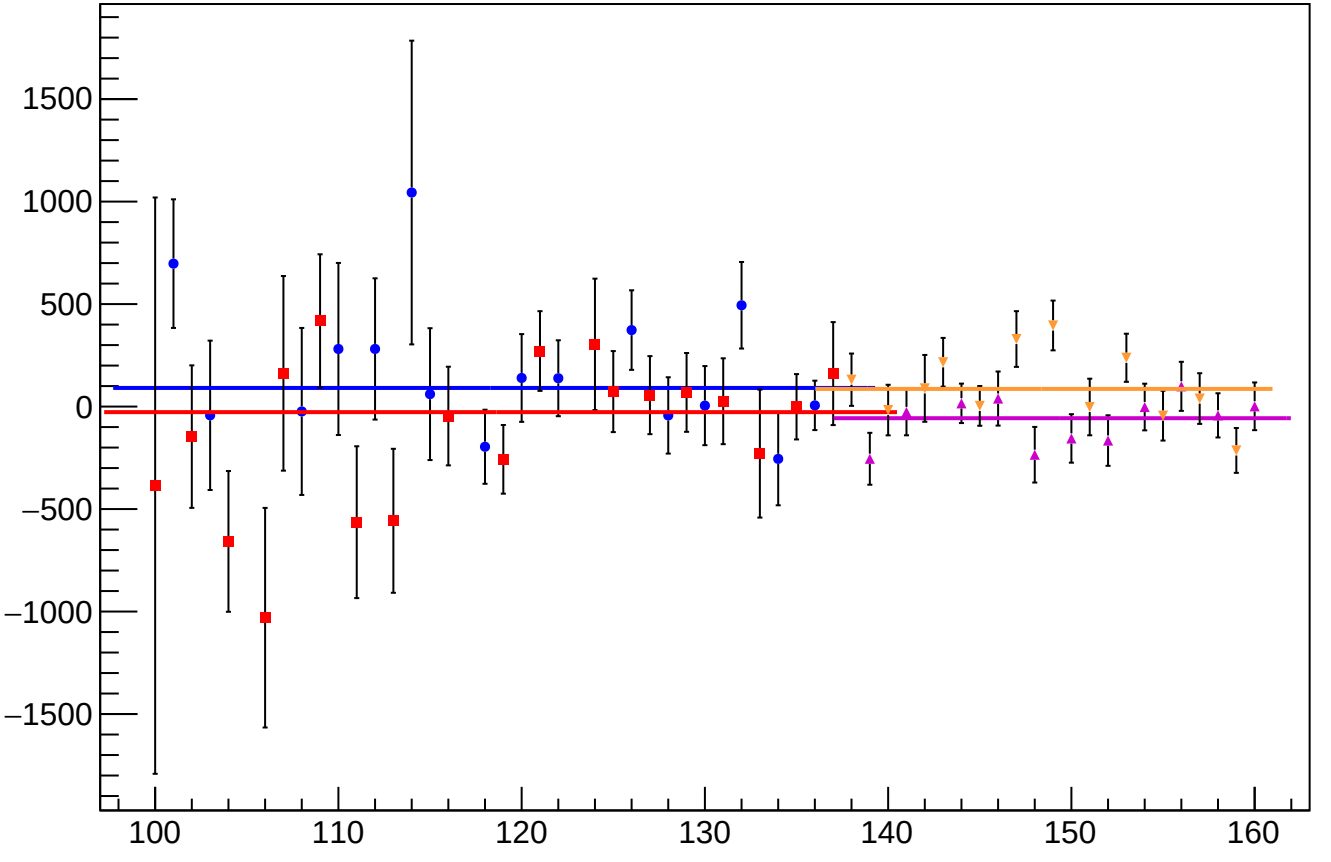
Left In: 541.387+/-0.130 χ^2/NDF:1343635.1/10

+ sign 647.988+/-0.125 χ^2/NDF: 6486438.5/27

All: 637.418+/-0.088 χ^2/NDF: 13780521.4/57

- 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: 86.218+/-35.229 χ^2/NDF:23.4/11

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

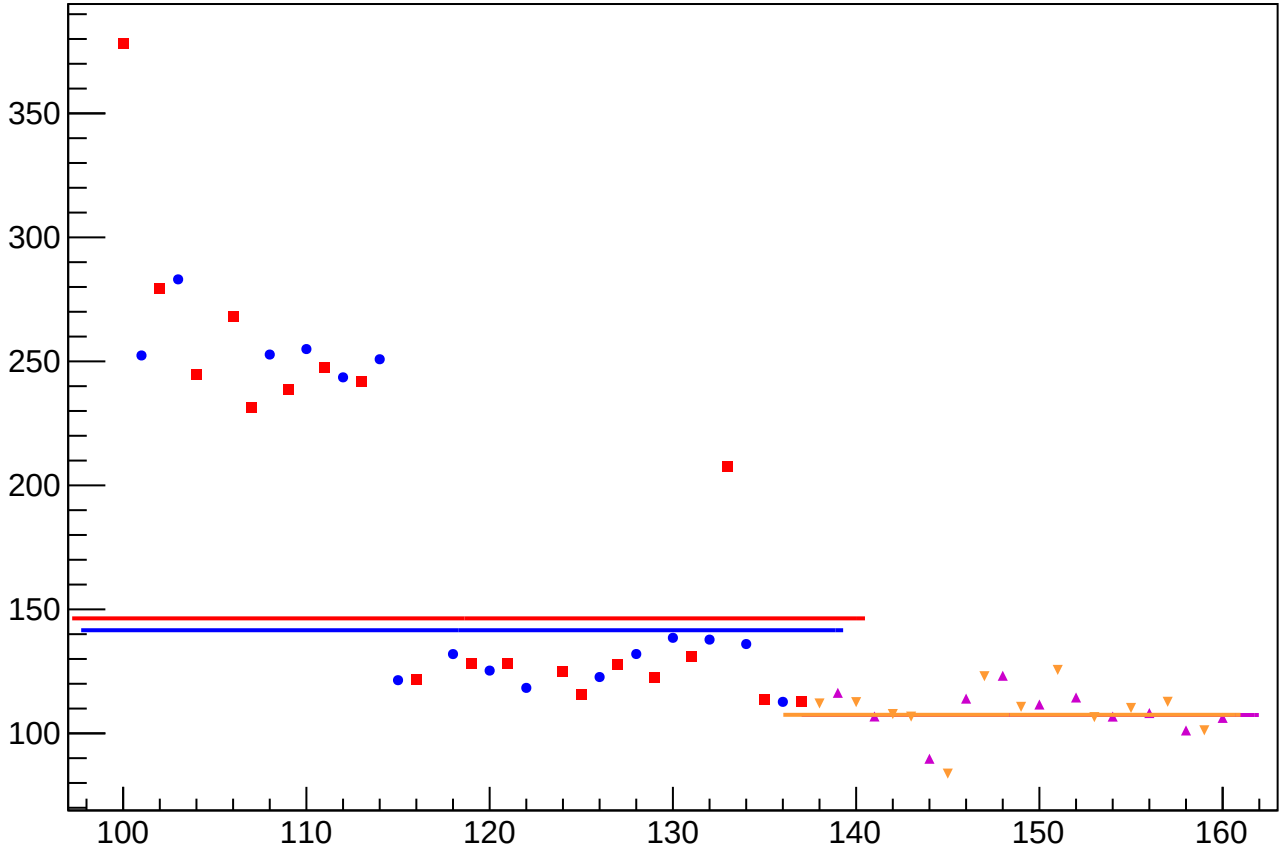
Left In: -56.782+/-35.277 χ^2/NDF:9.0/10

+ sign 87.563+/-29.753 χ^2/NDF: 41.4/27

All: 20.049+/-21.125 χ^2/NDF: 81.6/57

- 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: 107.484+/-0.025 χ^2/NDF:198977.6/11

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

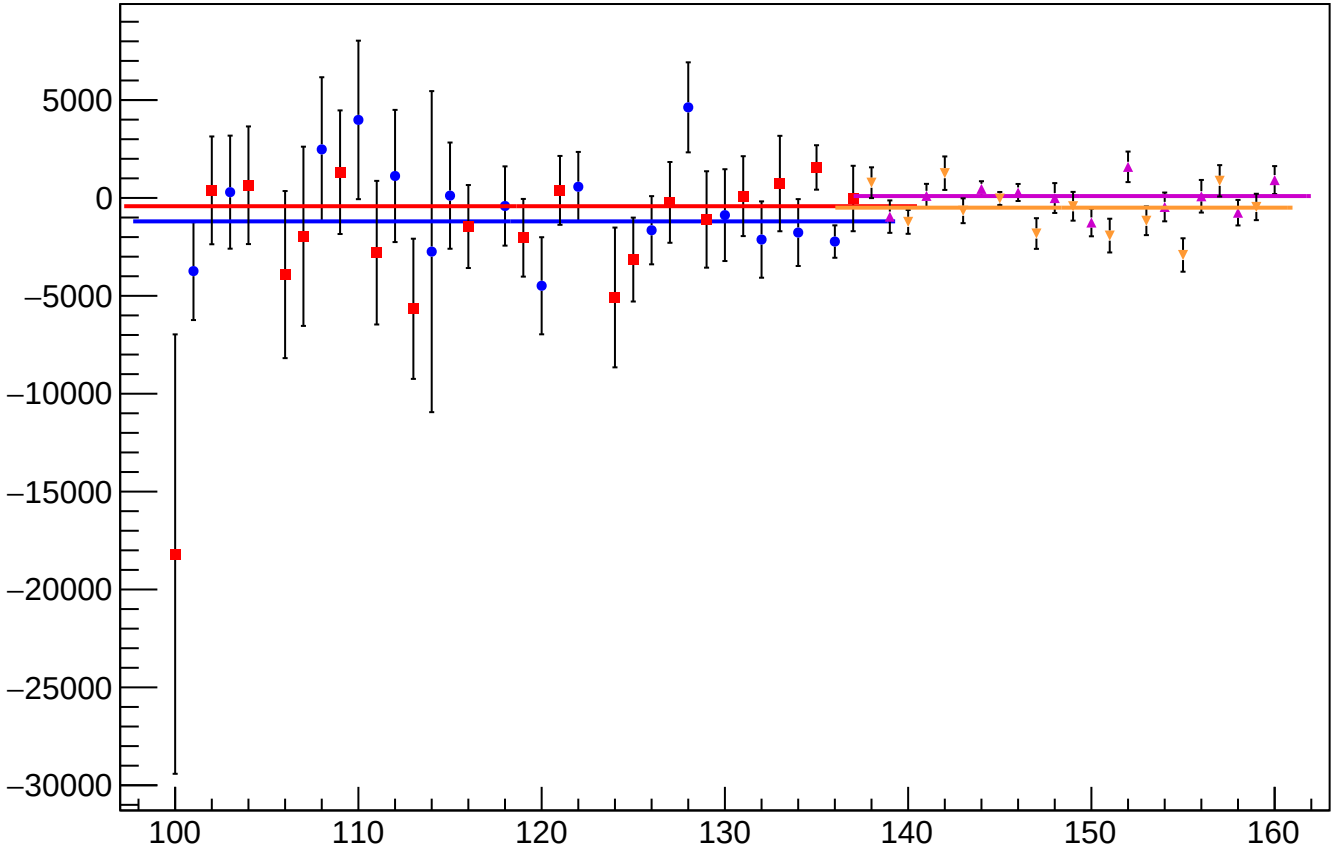
Left In: 107.408+/-0.025 χ^2/NDF:125598.9/10

+ sign 117.262+/-0.021 χ^2/NDF: 1998693.3/27

All: 117.724+/-0.015 χ^2/NDF: 4314283.6/57

- sign 118.194+/-0.021 χ^2/NDF: 2314618.2/29

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -496.379+/-185.814 χ^2/NDF:27.7/11

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

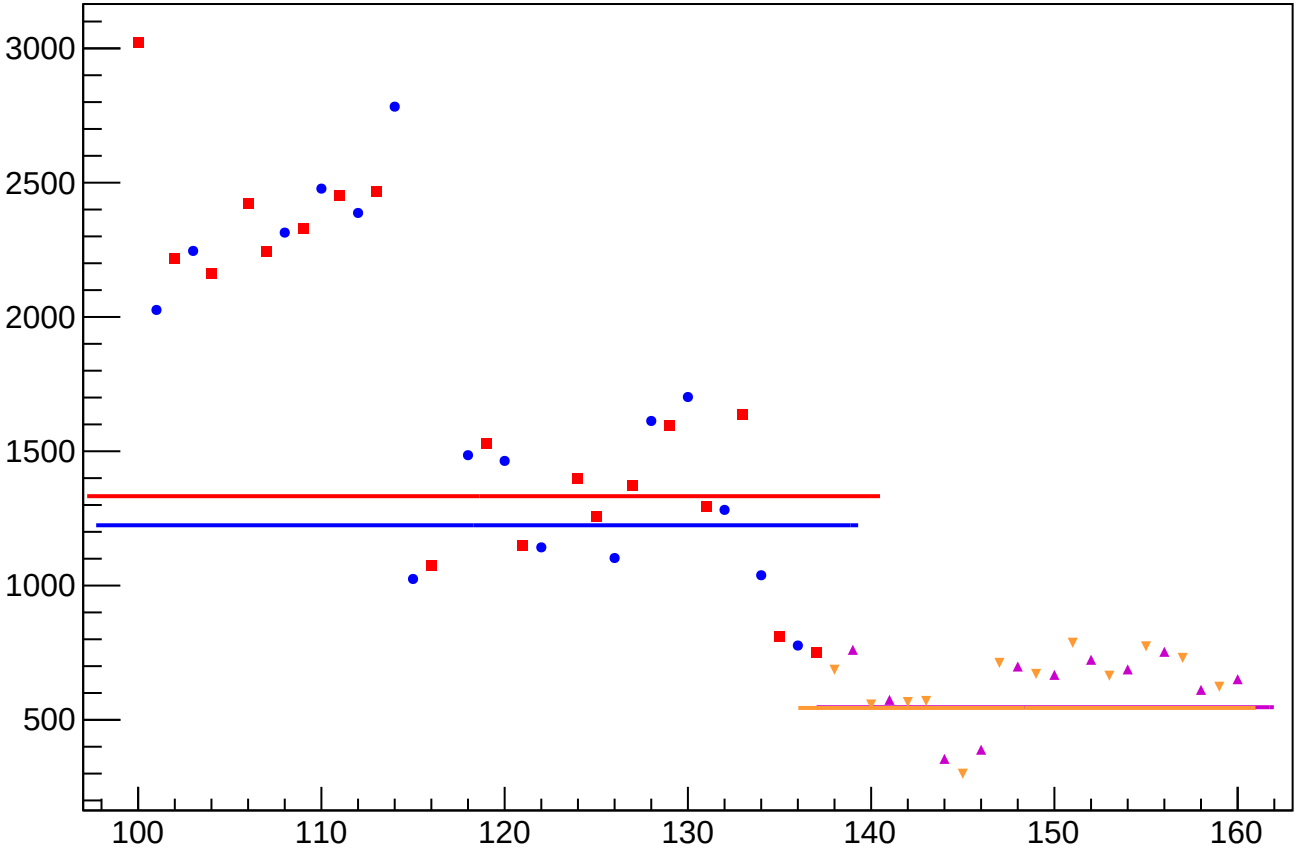
Left In: 95.852+/-185.942 χ^2/NDF:13.6/10

+ sign -583.988+/-173.803 χ^2/NDF: 45.4/27

All: -275.594+/-123.399 χ^2/NDF: 80.5/57

- 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: 544.415+/-0.131 χ^2/NDF:1789879.3/11

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

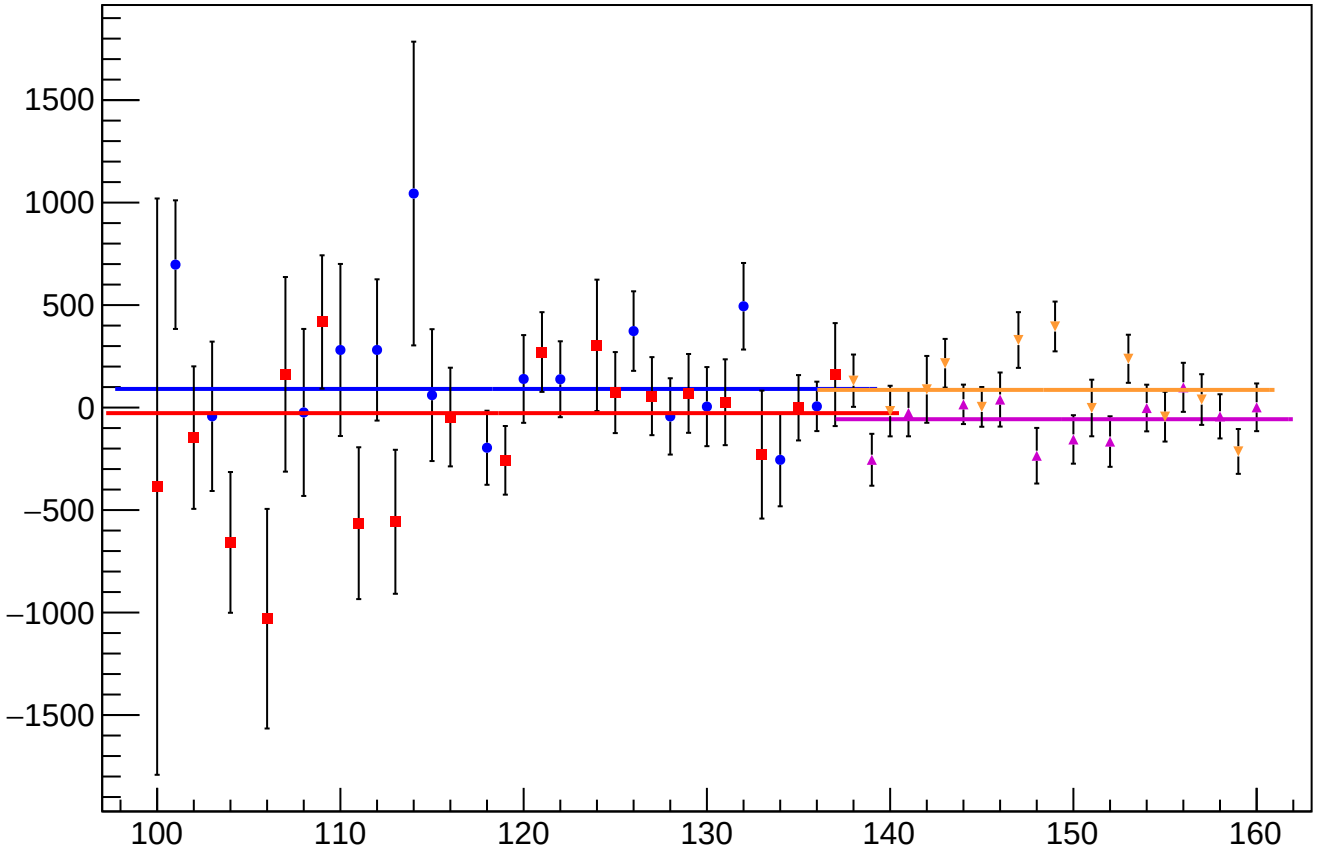
Left In: 547.129+/-0.131 χ^2/NDF:1383623.6/10

+ sign 629.493+/-0.123 χ^2/NDF: 7100691.6/27

All: 632.246+/-0.087 χ^2/NDF: 14475618.8/57

- 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: 86.218+/-35.230 χ^2/NDF:23.4/11

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

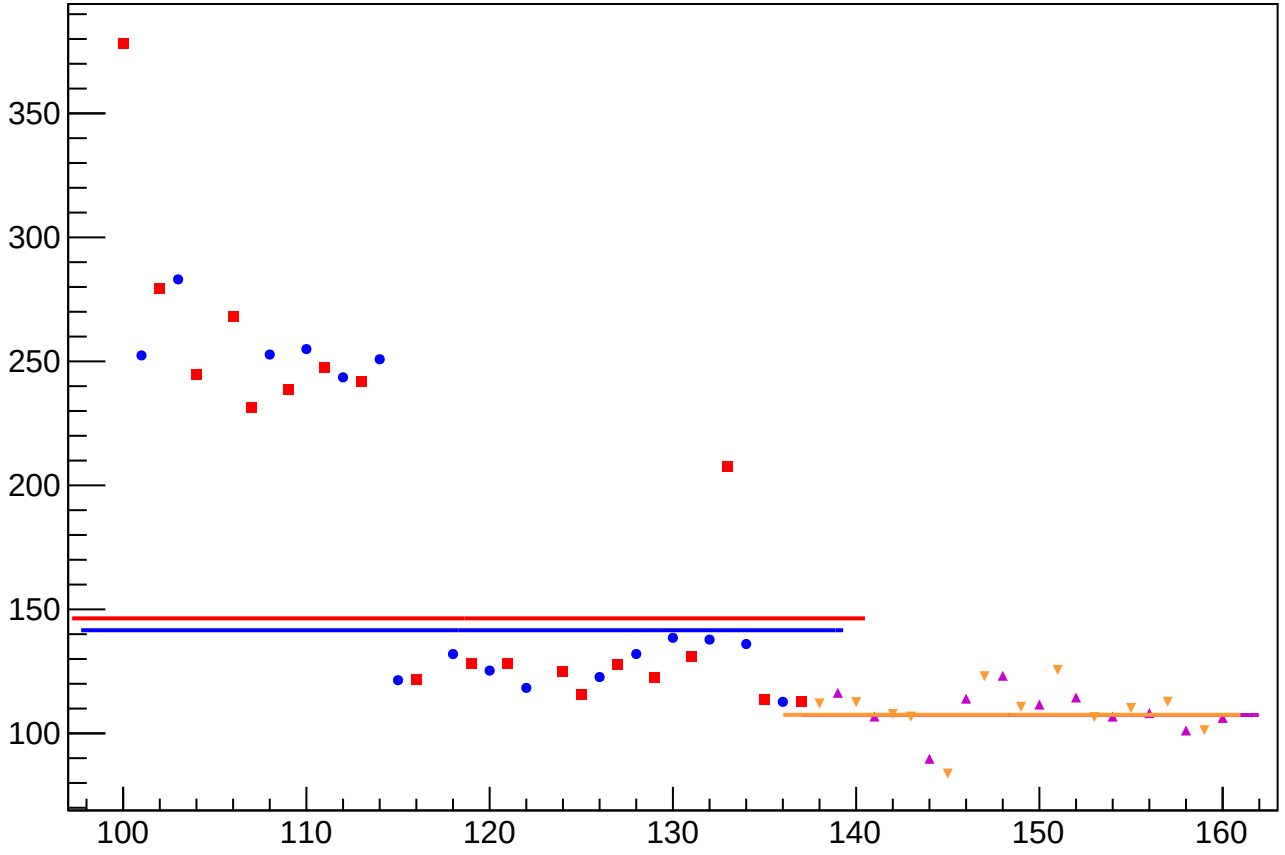
Left In: -56.780+/-35.277 χ^2/NDF:9.0/10

+ sign 87.564+/-29.753 χ^2/NDF: 41.4/27

All: 20.050+/-21.125 χ^2/NDF: 81.6/57

- 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: 107.484+/-0.025 χ^2/NDF:198970.4/11

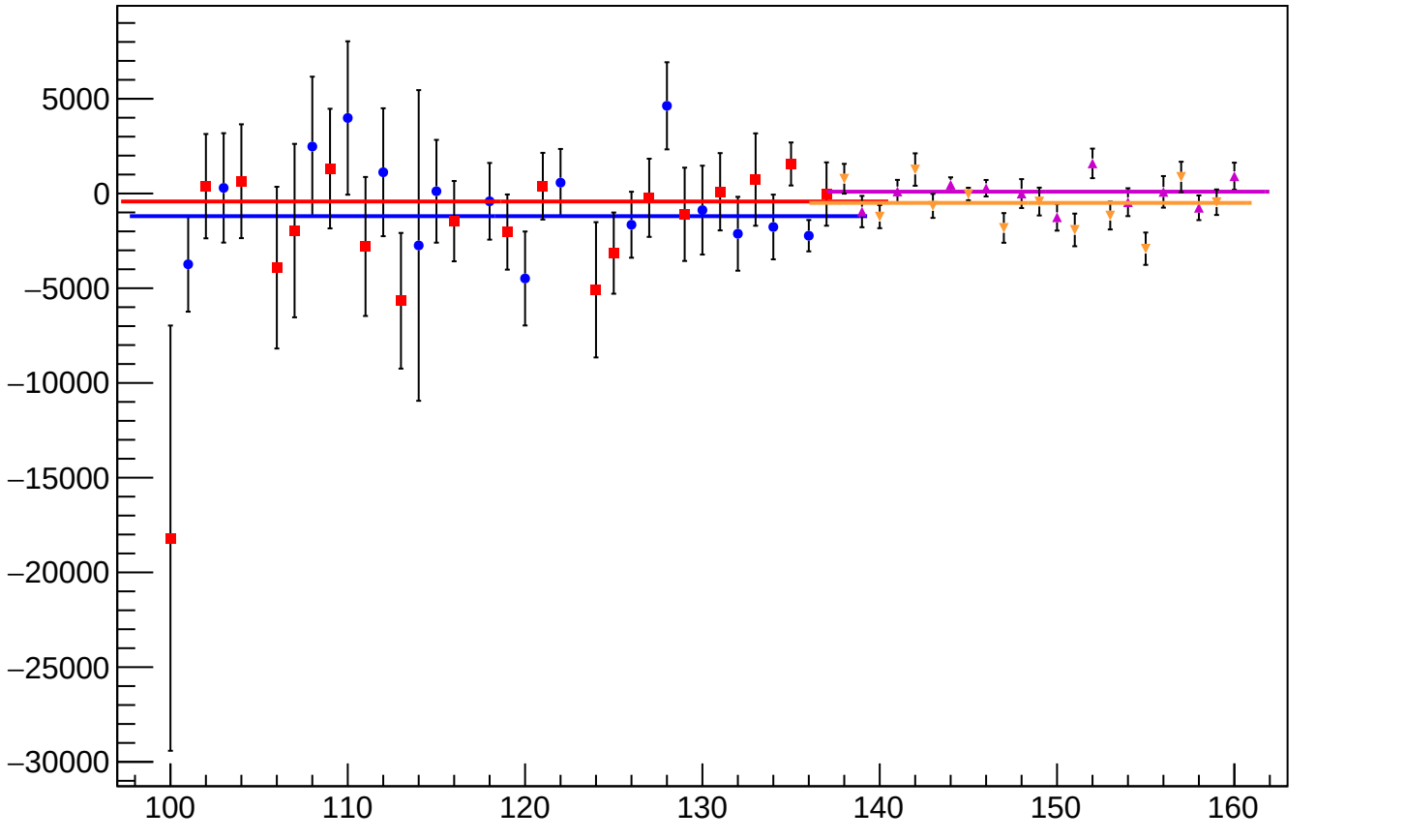
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 107.408+/-0.025 χ^2/NDF:125597.6/10

+ sign 117.262+/-0.021 χ^2/NDF: 1998639.6/27

All: 117.724+/-0.015 χ^2/NDF: 4314192.7/57

- 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: -496.377+/-185.814 χ^2/NDF:27.7/11

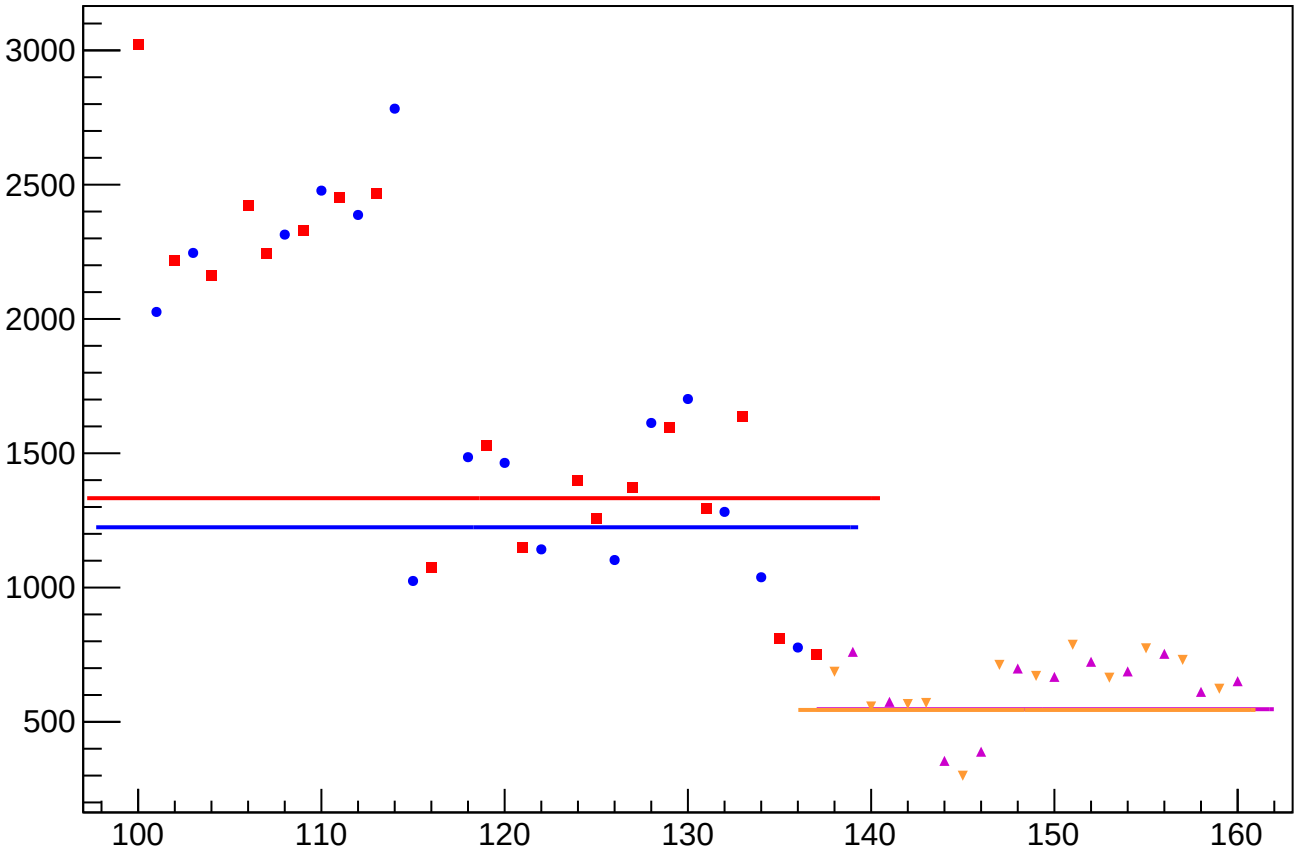
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 95.852+/-185.942 χ^2/NDF:13.6/10

\+ sign -583.985+/-173.803 χ^2/NDF: 45.4/27

All: -275.593+/-123.399 χ^2/NDF: 80.5/57

\- 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: 544.413+/-0.131 χ^2/NDF:1789925.5/11

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

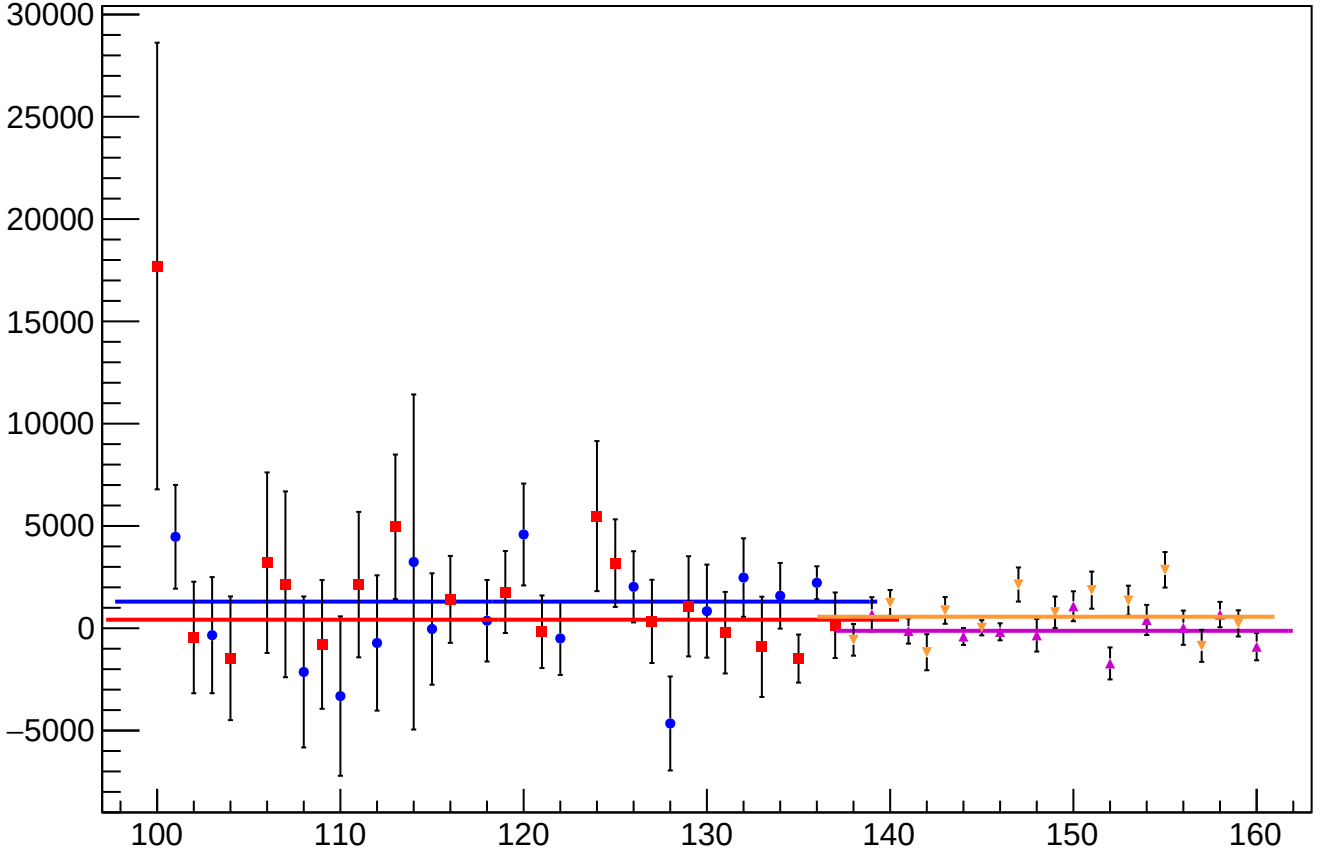
Left In: 547.128+/-0.131 χ^2/NDF:1383641.3/10

+ sign 629.491+/-0.123 χ^2/NDF: 7100741.8/27

All: 632.244+/-0.087 χ^2/NDF: 14475683.3/57

- 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: 562.506+/-193.446 χ^2/NDF:26.9/11

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

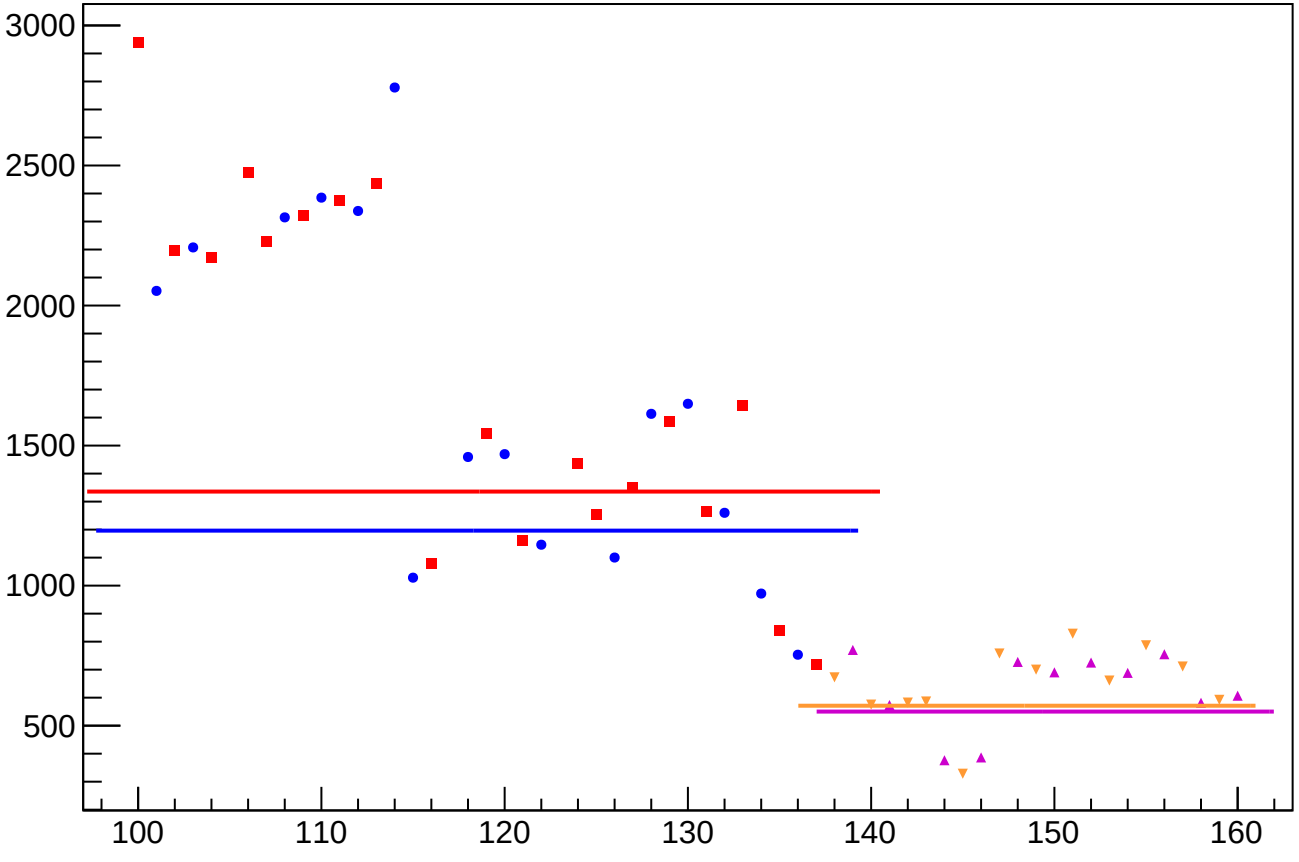
Left In: -124.973+/-185.925 χ^2/NDF:11.9/10

+ sign 665.058+/-179.525 χ^2/NDF: 45.4/27

All: 291.556+/-125.401 χ^2/NDF: 79.7/57

- 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: 571.197+/-0.137 χ^2/NDF:1429048.1/11

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

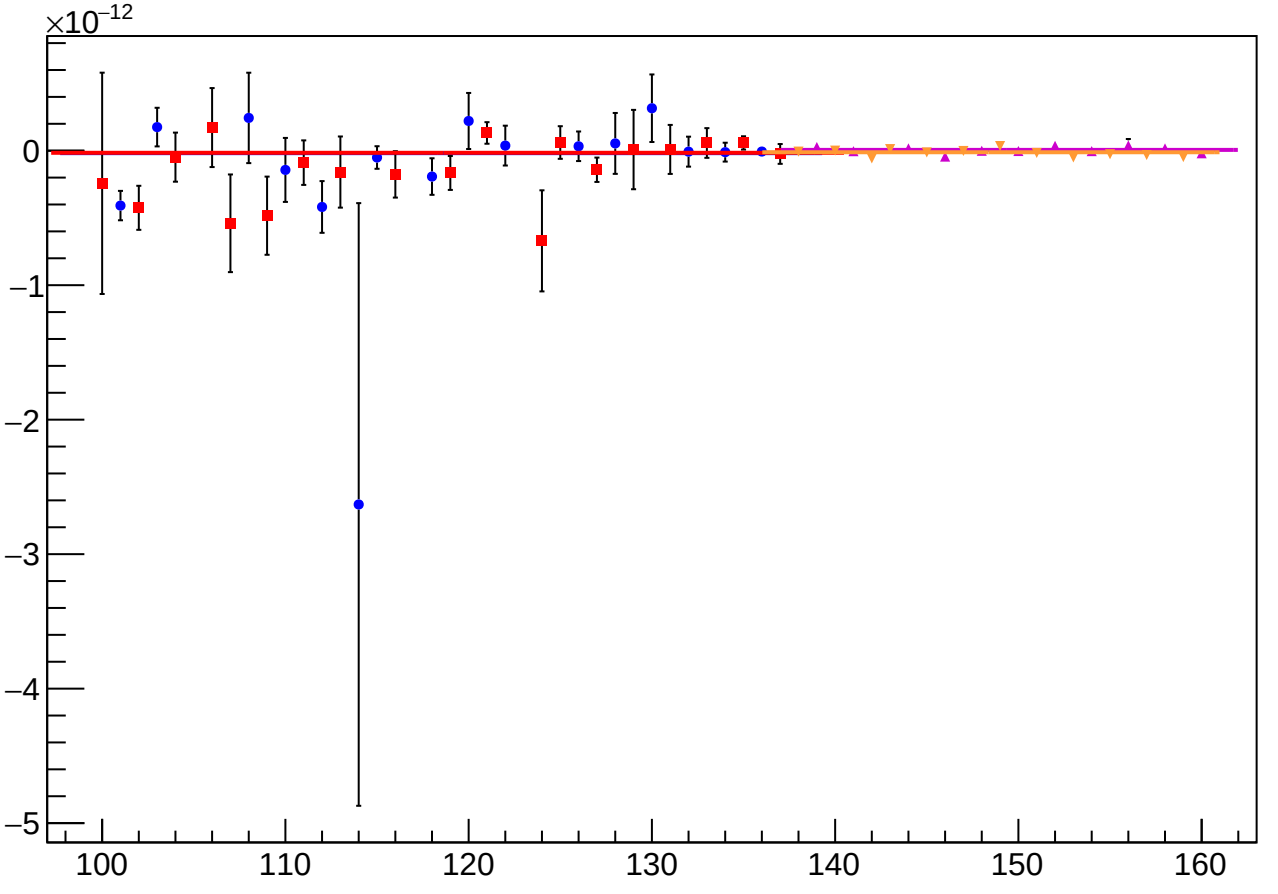
Left In: 550.275+/-0.131 χ^2/NDF:1286811.6/10

+ sign 657.937+/-0.127 χ^2/NDF: 6358875.9/27

All: 647.707+/-0.089 χ^2/NDF: 13594958.5/57

- sign 637.959+/-0.124 χ^2/NDF: 7223399.3/29

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.4/11

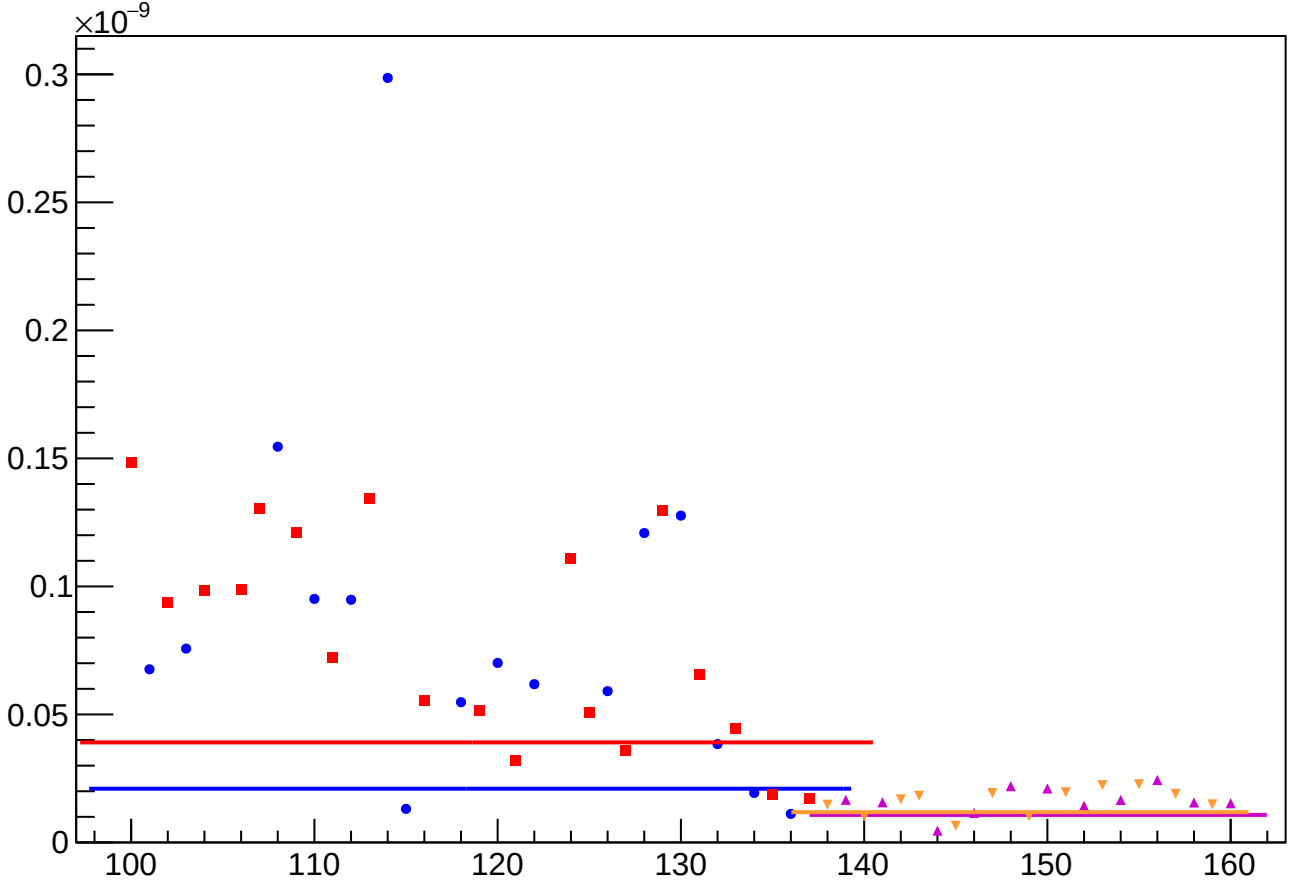
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 37.3/27

All: -0.000+/-0.000 χ^2/NDF: 79.8/57

- 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:1336813.8/11

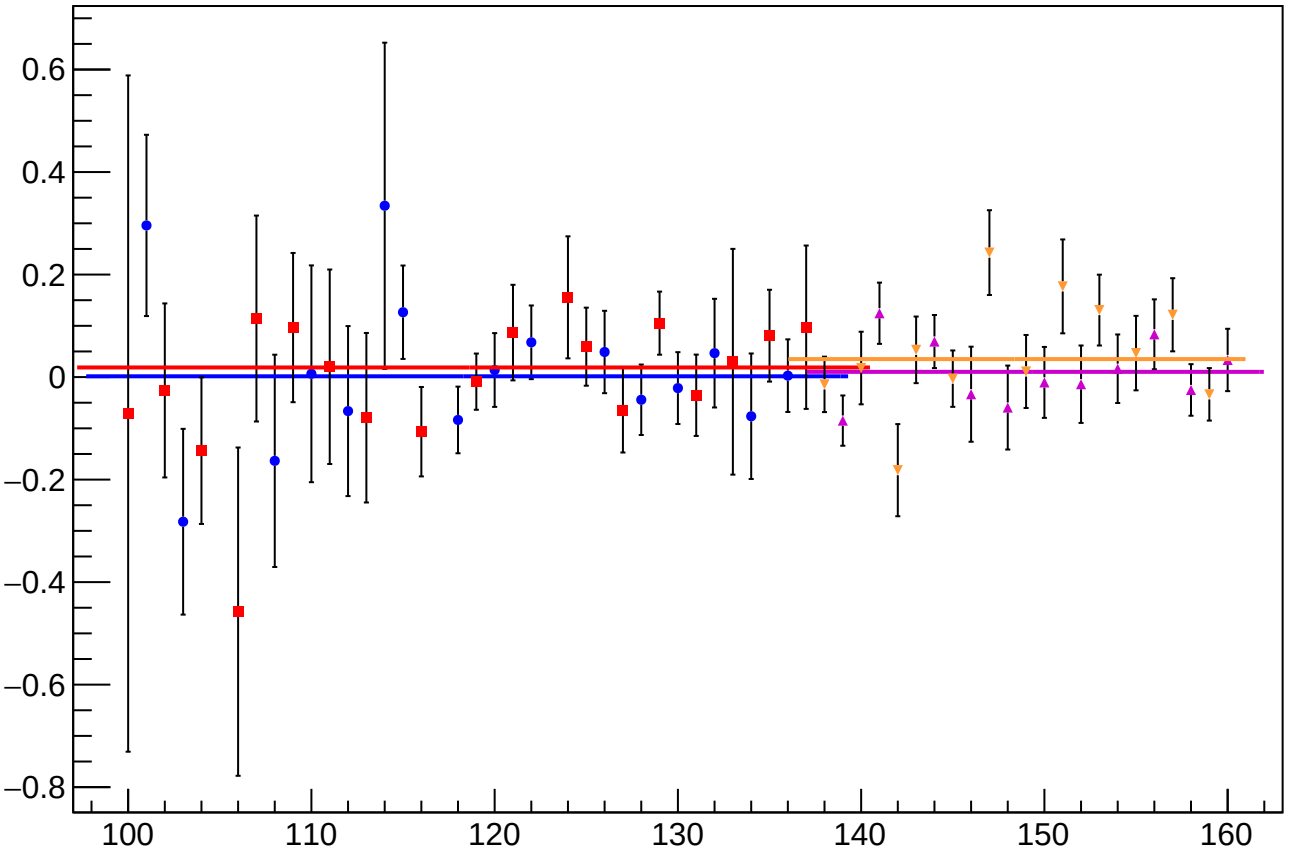
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1797656.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 5183284.1/27

All: 0.000+/-0.000 χ^2/NDF: 11070421.9/57

- 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: 0.035+/-0.019 χ^2/NDF:21.3/11

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

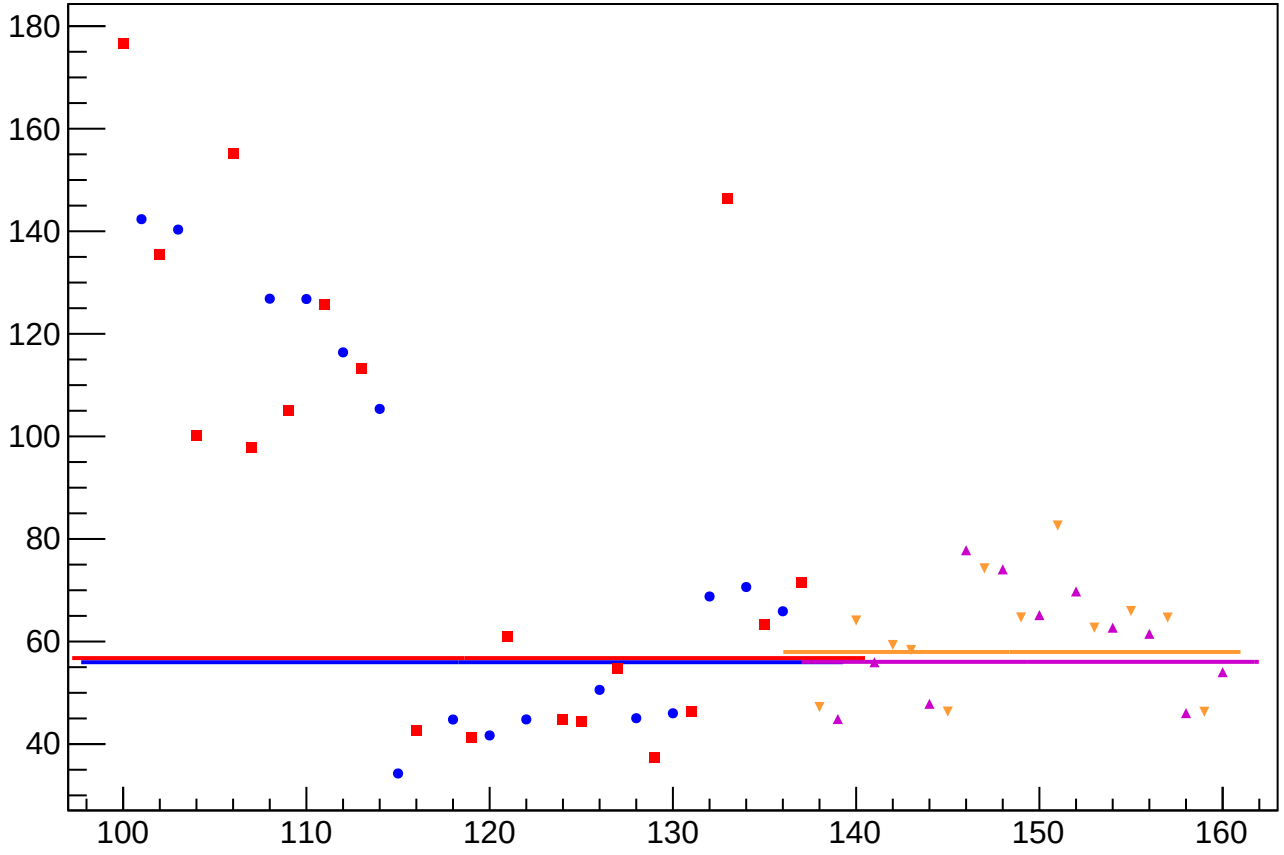
Left In: 0.010+/-0.019 χ^2/NDF:11.7/10

+ sign 0.021+/-0.015 χ^2/NDF: 35.6/27

All: 0.017+/-0.010 χ^2/NDF: 60.6/57

- 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: 57.966+/-0.014 χ^2/NDF:579038.4/11

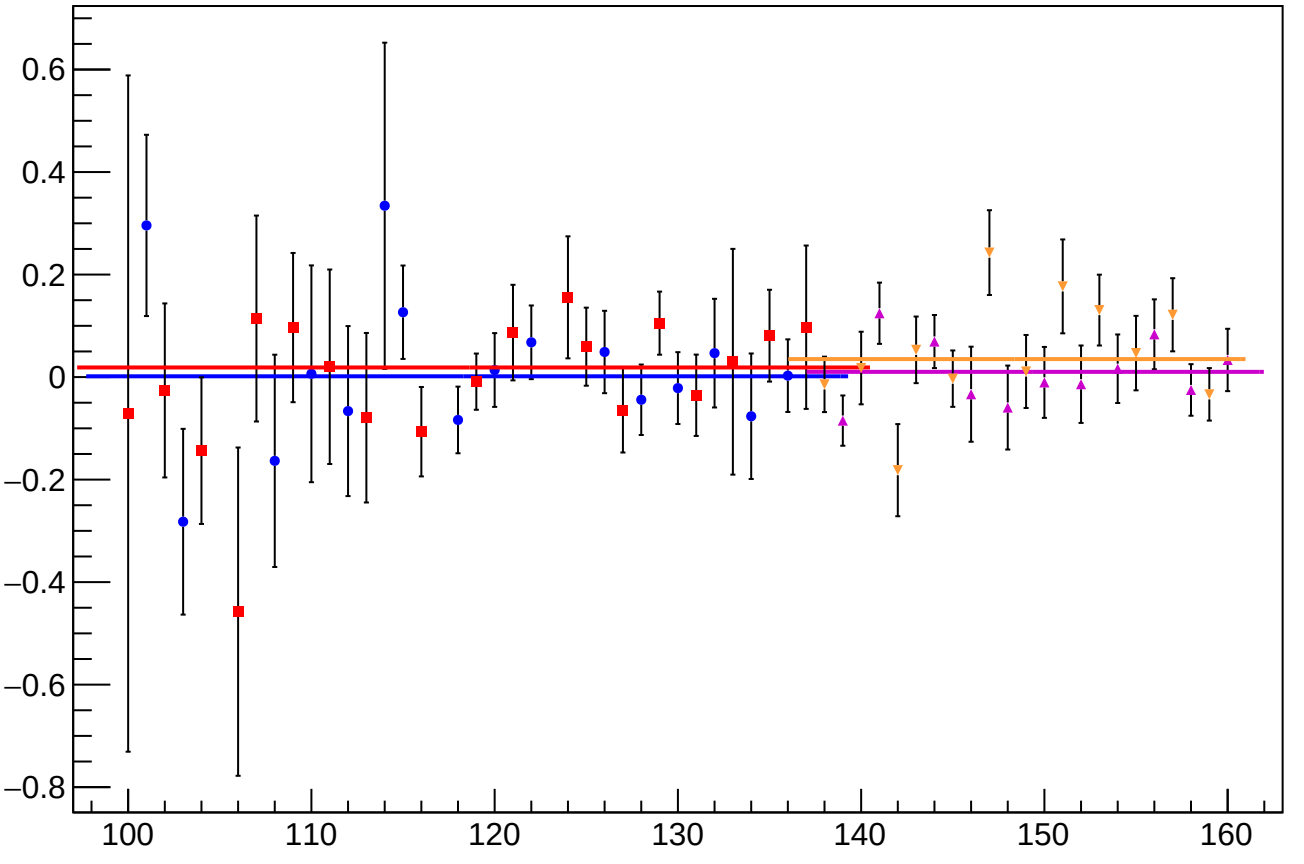
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.040+/-0.013 χ^2/NDF:575110.0/10

+ sign 57.156+/-0.011 χ^2/NDF: 2767520.6/27

All: 56.734+/-0.007 χ^2/NDF: 5900174.8/57

- 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: 0.035+/-0.019 χ^2/NDF:21.3/11

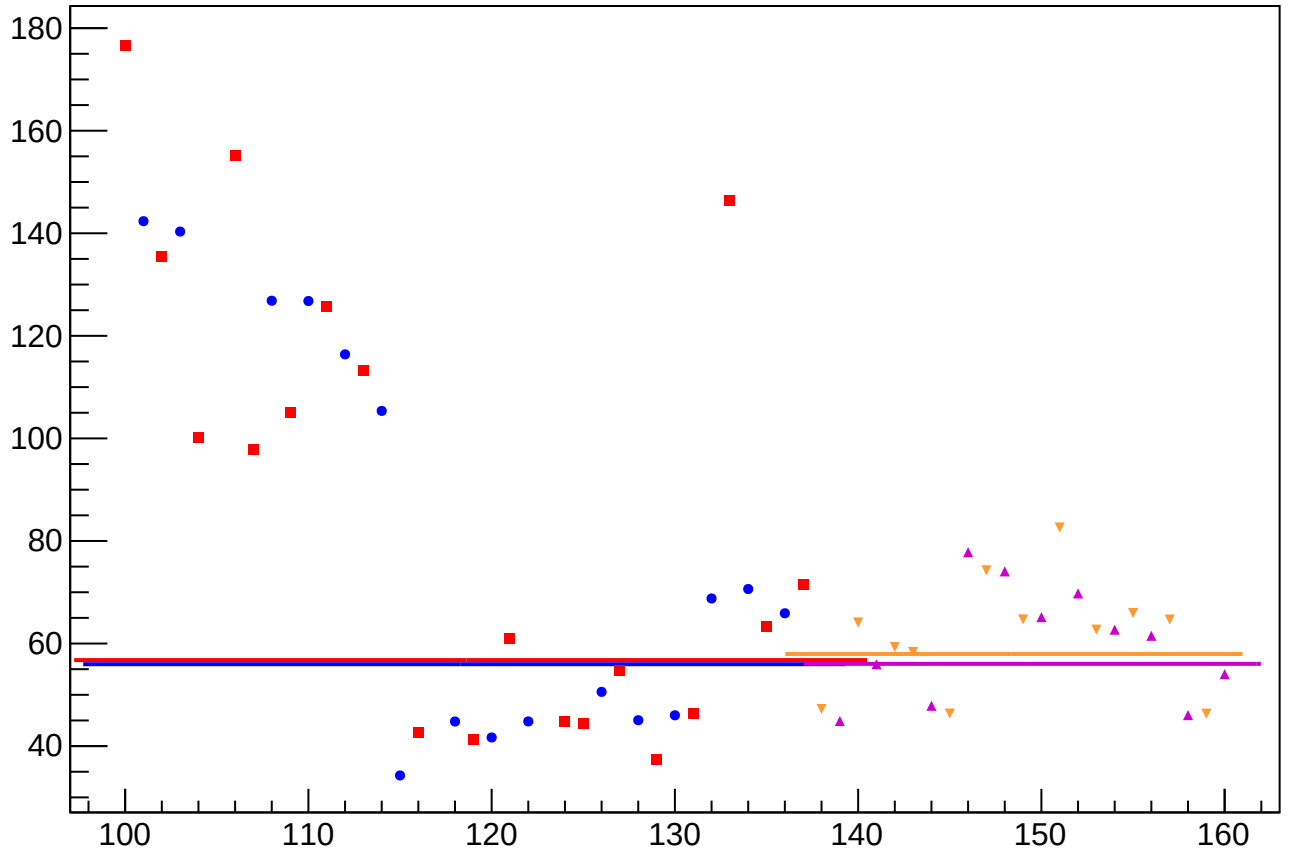
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.010+/-0.019 χ^2/NDF:11.7/10

+ sign 0.021+/-0.015 χ^2/NDF: 35.6/27

All: 0.017+/-0.010 χ^2/NDF: 60.6/57

- 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: 57.966+/-0.014 χ^2/NDF:579038.4/11

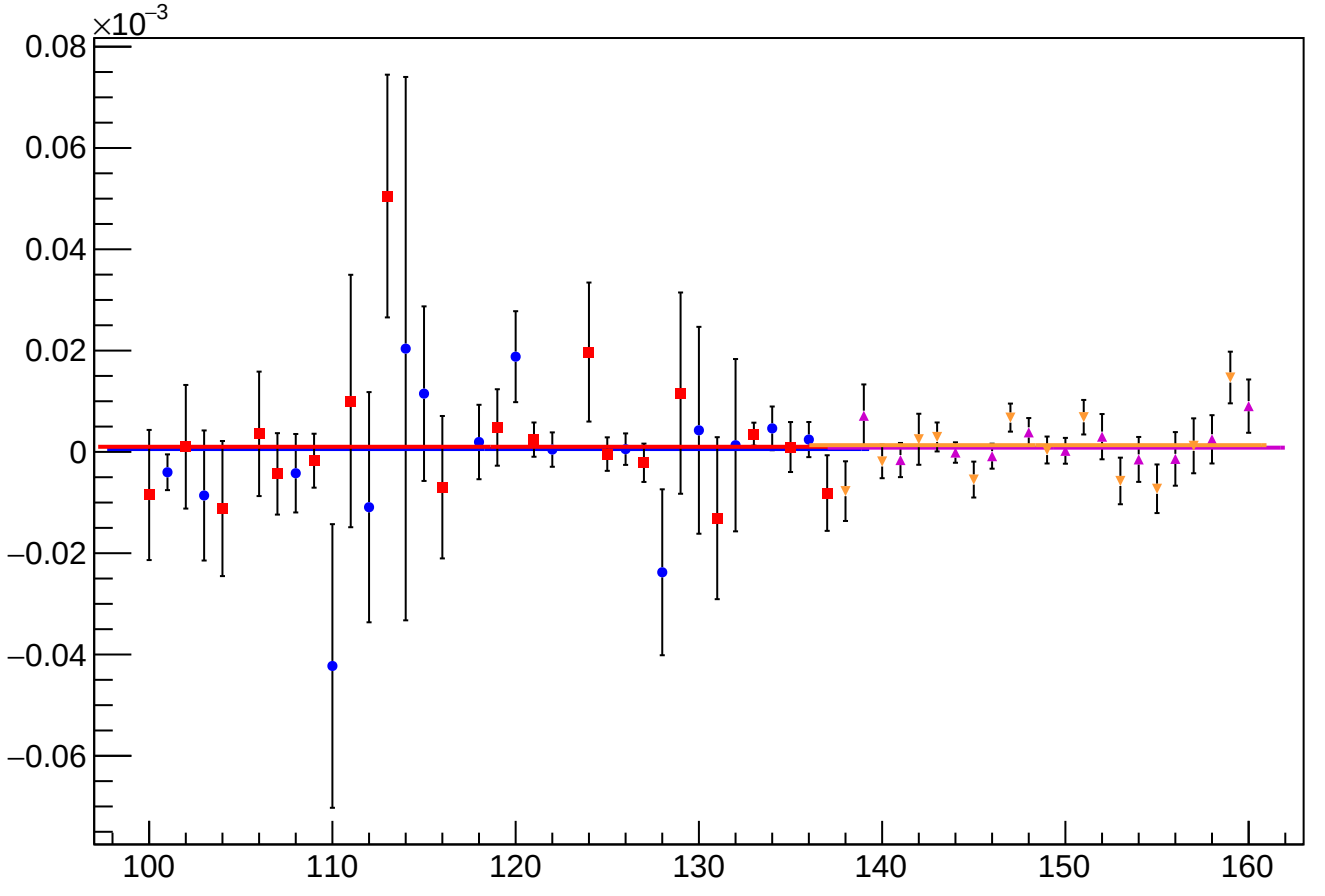
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.040+/-0.013 χ^2/NDF:575110.0/10

+ sign 57.156+/-0.011 χ^2/NDF: 2767520.6/27

All: 56.734+/-0.007 χ^2/NDF: 5900174.8/57

- 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:26.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

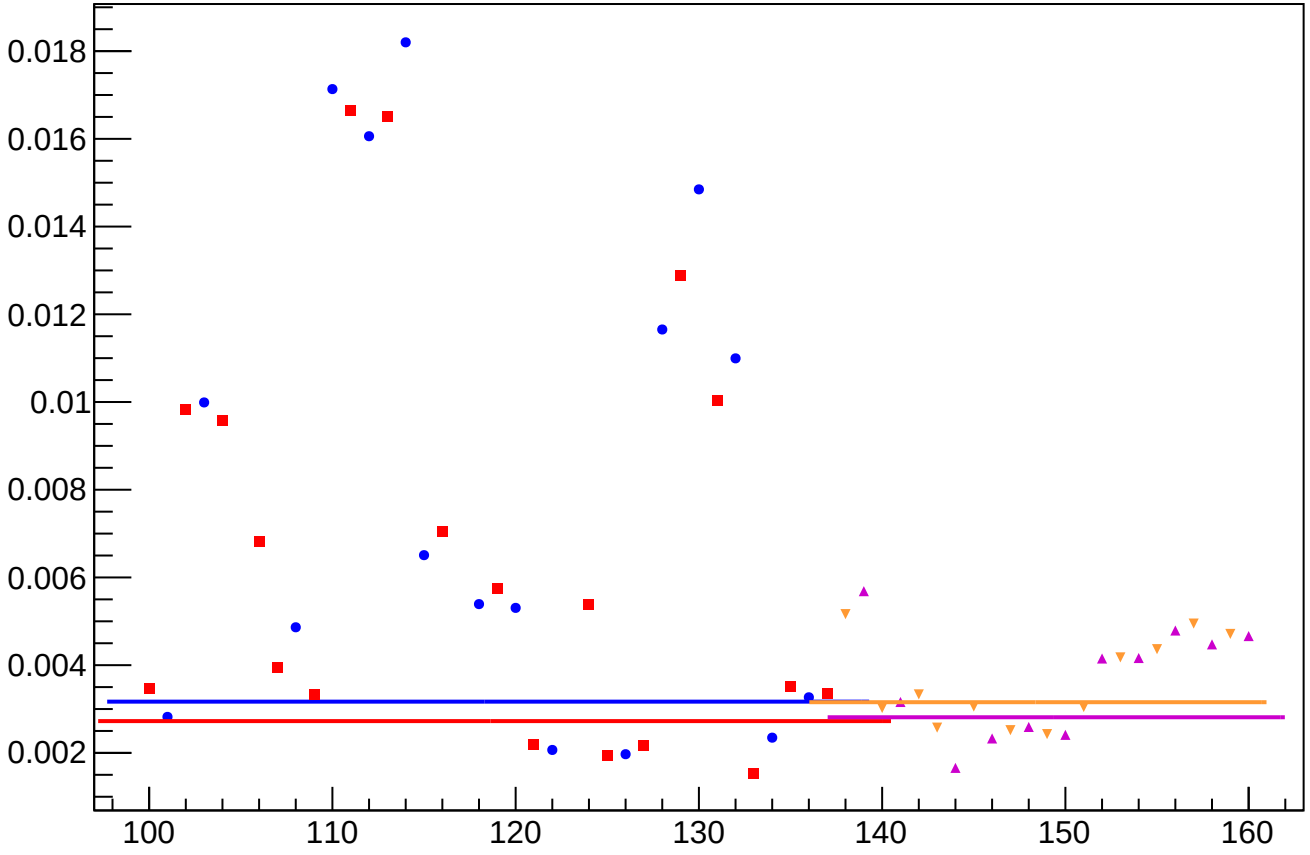
Left In: 0.000+/-0.000 χ^2/NDF:6.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/27

All: 0.000+/-0.000 χ^2/NDF: 60.4/57

- sign 0.000+/-0.000 χ^2/NDF: 20.5/29

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1210242.1/11

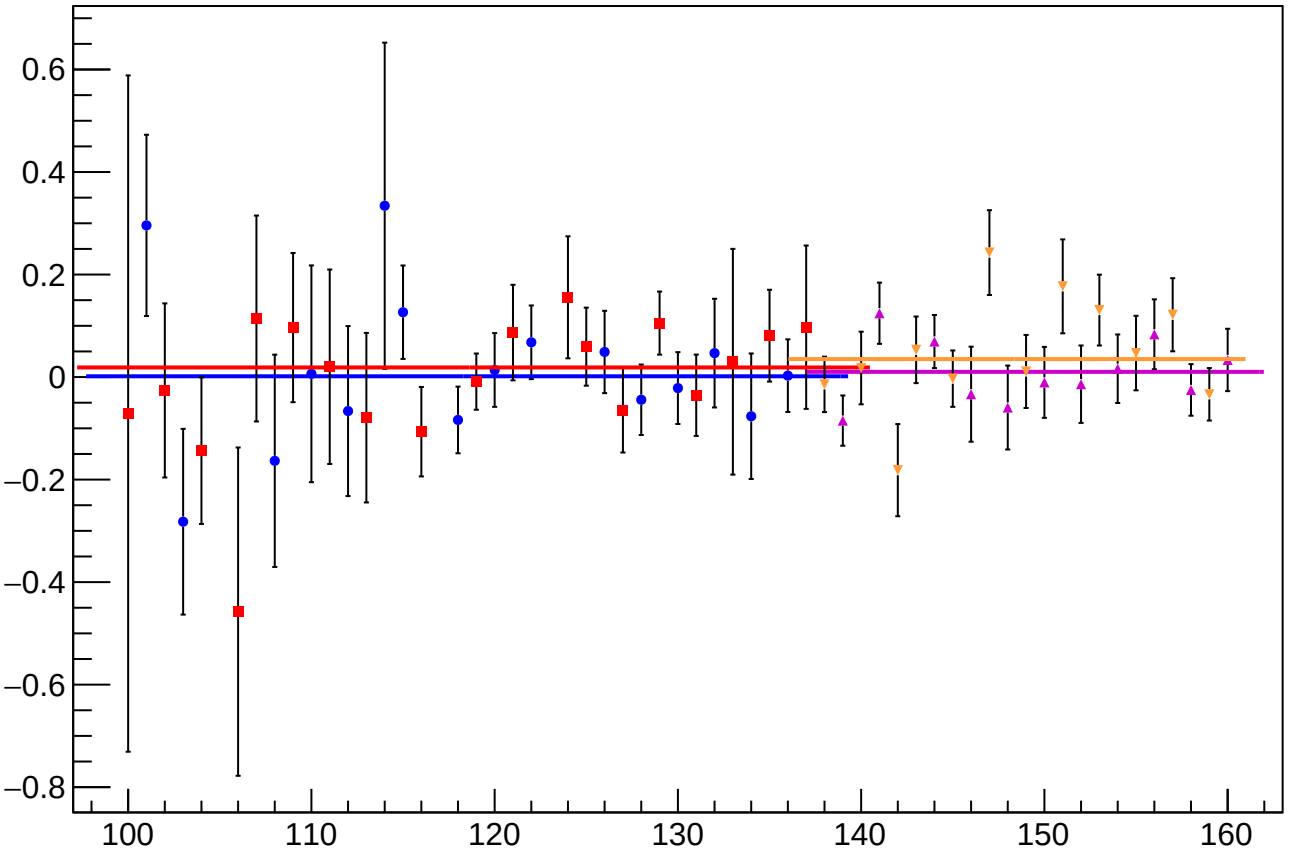
Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2381511.4/10

+ sign 0.003+/-0.000 χ^2/NDF: 5755960.3/27

All: 0.003+/-0.000 χ^2/NDF: 13511948.0/57

- sign 0.003+/-0.000 χ^2/NDF: 7540629.5/29



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.035+/-0.019 χ^2/NDF:21.3/11

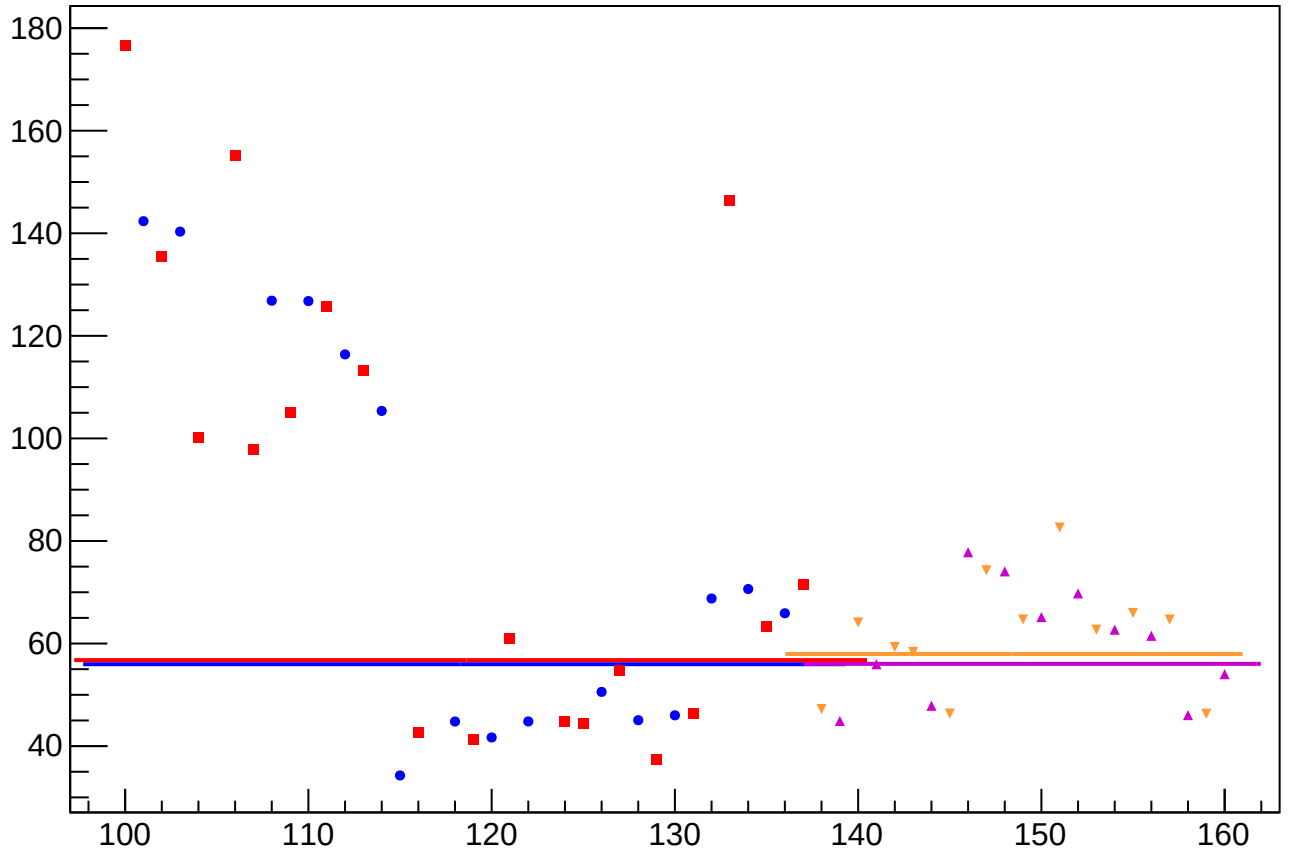
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.010+/-0.019 χ^2/NDF:11.7/10

+ sign 0.021+/-0.015 χ^2/NDF: 35.6/27

All: 0.017+/-0.010 χ^2/NDF: 60.6/57

- 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: 57.967+/-0.014 χ^2/NDF:579034.0/11

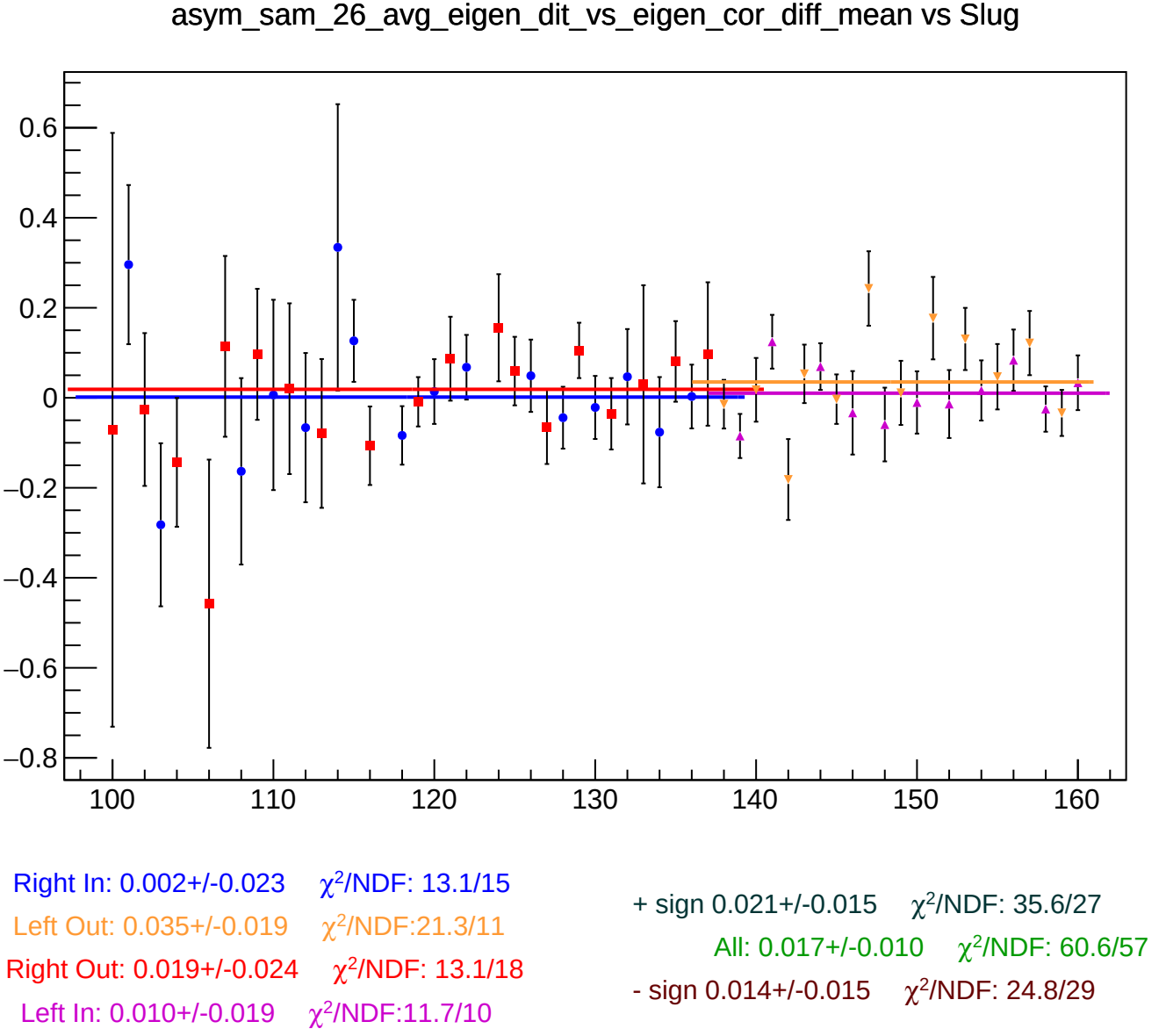
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

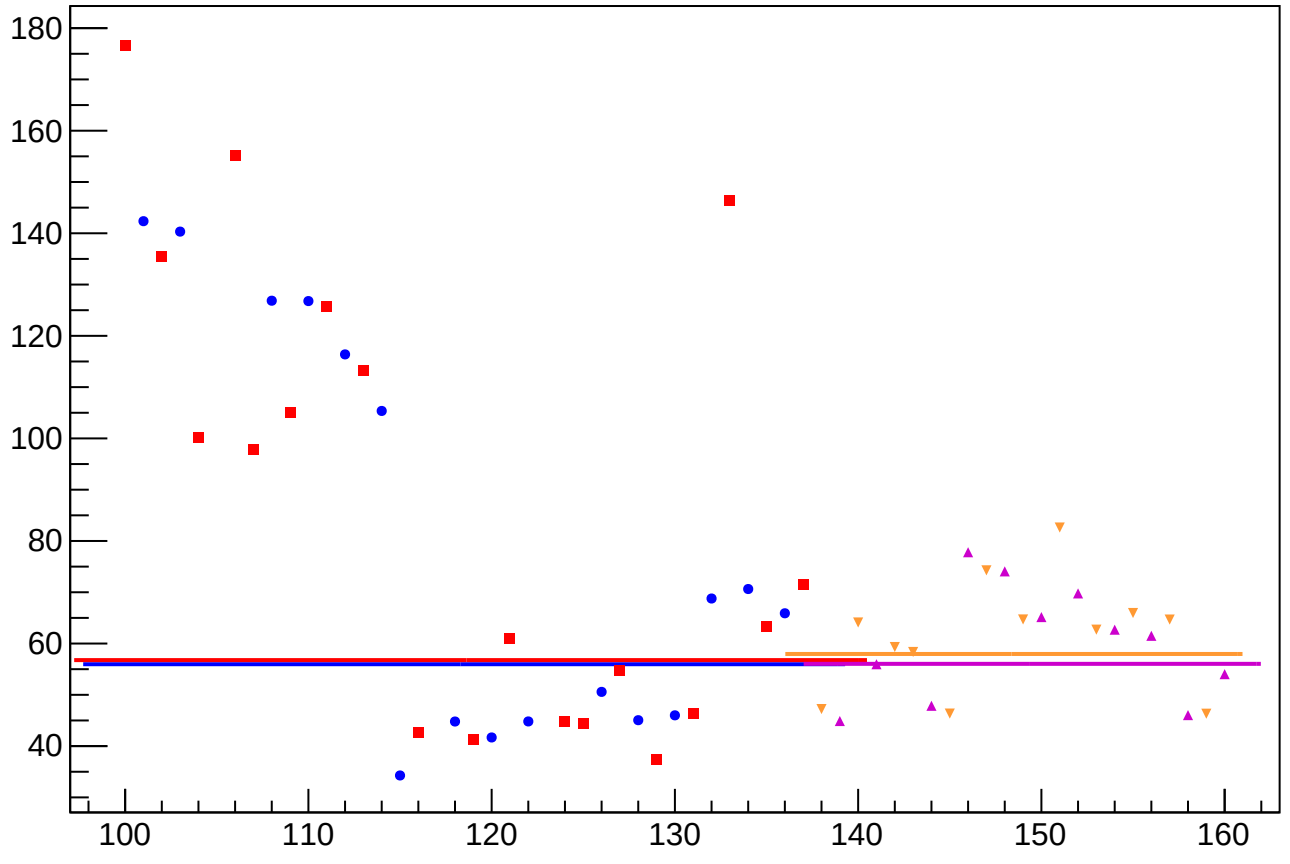
Left In: 56.041+/-0.013 χ^2/NDF:575107.9/10

+ sign 57.156+/-0.011 χ^2/NDF: 2767451.7/27

All: 56.734+/-0.007 χ^2/NDF: 5900045.7/57

- 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: 0.035+/-0.019 χ²/NDF:21.3/11
Right Out: 0.019+/-0.024 χ²/NDF: 13.1/18
Left In: 0.010+/-0.019 χ²/NDF:11.7/10
+ sign 0.021+/-0.015 χ²/NDF: 35.6/27
All: 0.017+/-0.010 χ²/NDF: 60.6/57
- sign 0.014+/-0.015 χ²/NDF: 24.8/29



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 57.967+/-0.014 χ^2/NDF:579034.0/11

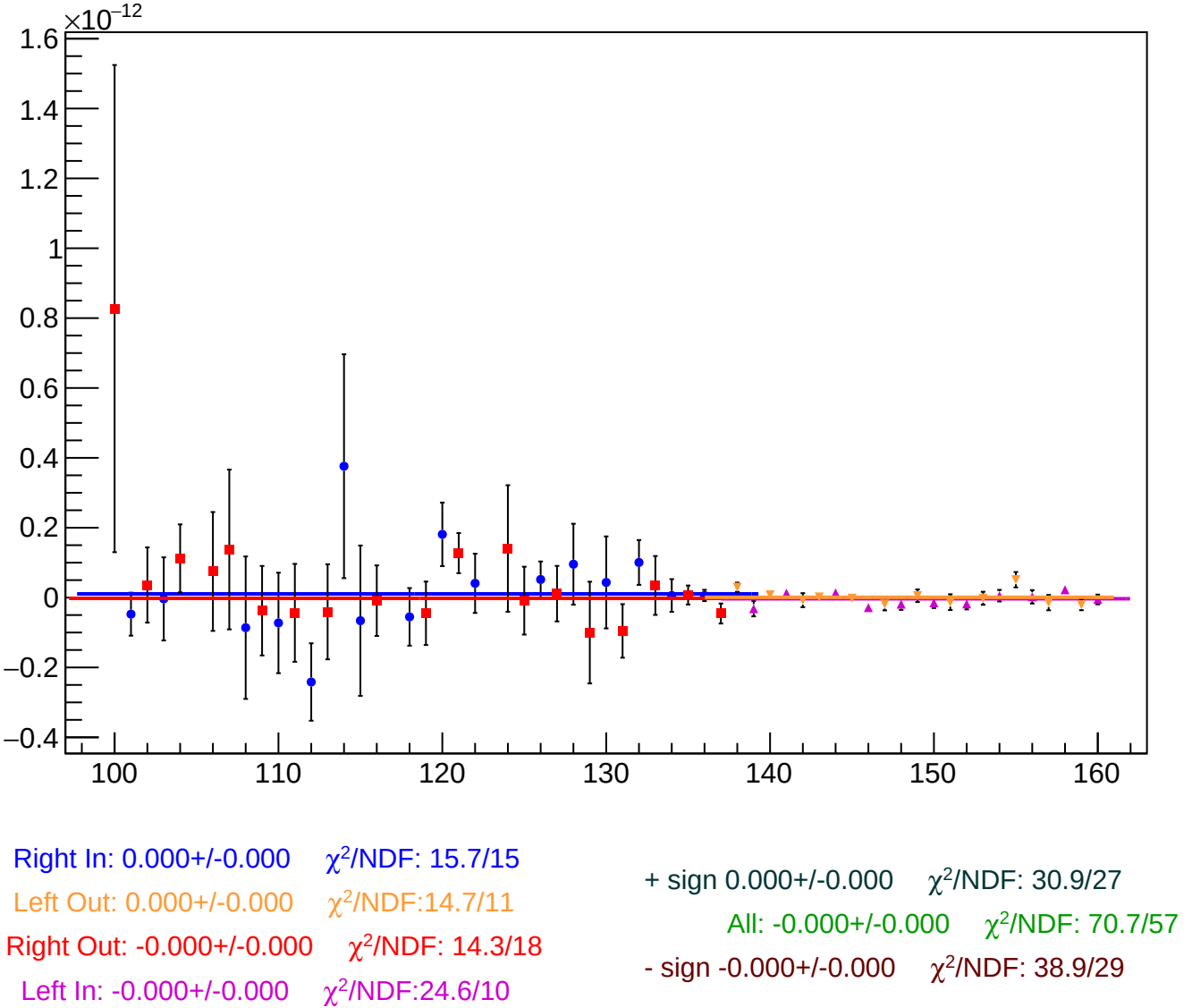
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

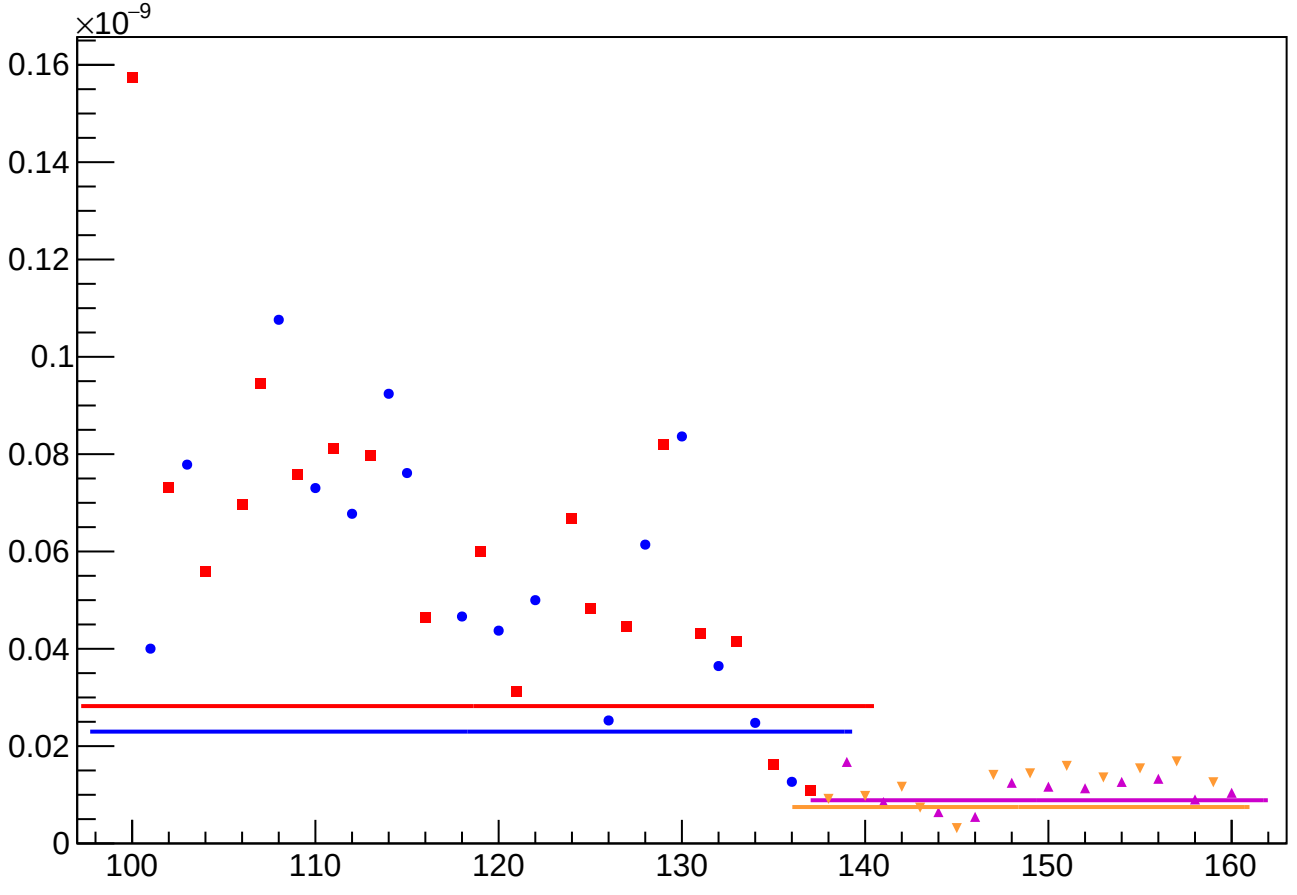
Left In: 56.041+/-0.013 χ^2/NDF:575107.9/10

+ sign 57.156+/-0.011 χ^2/NDF: 2767451.7/27

All: 56.734+/-0.007 χ^2/NDF: 5900045.7/57

- sign 56.325+/-0.010 χ^2/NDF: 3129448.0/29


asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 15.7/15
Left Out: 0.000+/-0.000 χ²/NDF:14.7/11
Right Out: -0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:24.6/10
+ sign 0.000+/-0.000 χ²/NDF: 30.9/27
All: -0.000+/-0.000 χ²/NDF: 70.7/57
- sign -0.000+/-0.000 χ²/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:3528611.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

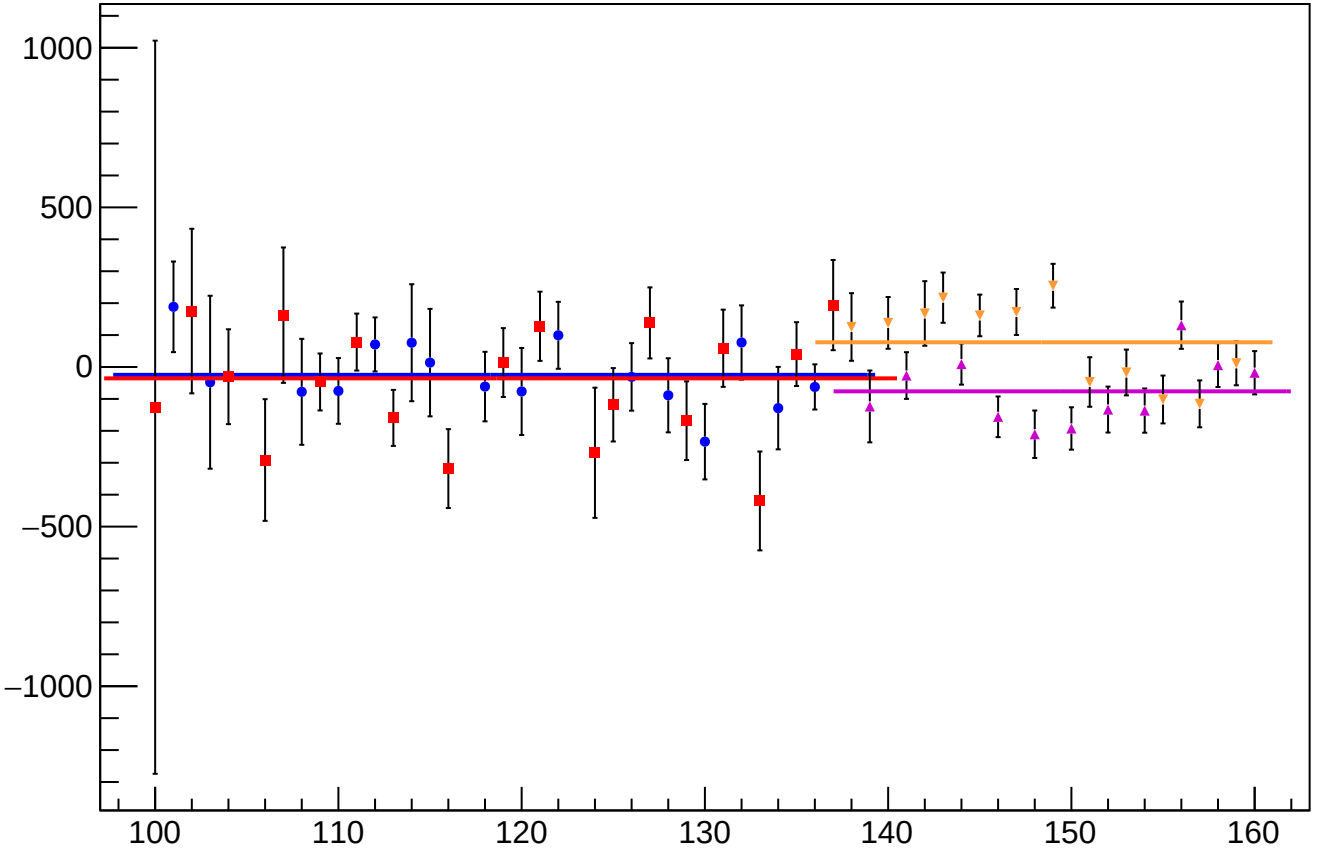
Left In: 0.000+/-0.000 χ^2/NDF:1212029.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 9926156.3/27

All: 0.000+/-0.000 χ^2/NDF: 18064945.5/57

- 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: 77.393+/-21.945 χ^2/NDF:32.6/11

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

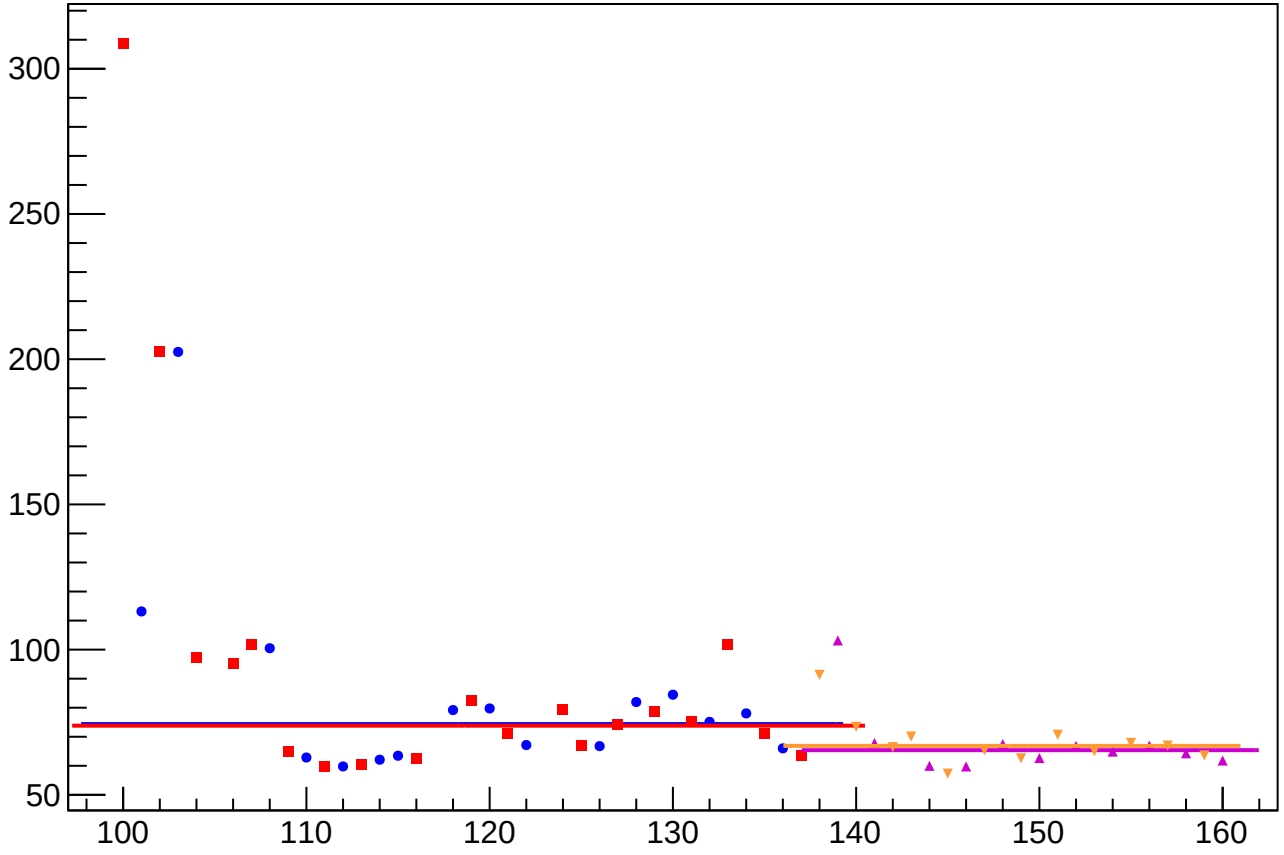
Left In: -76.279+/-21.441 χ^2/NDF:21.7/10

+ sign 40.100+/-17.480 χ^2/NDF: 51.6/27

All: -11.766+/-12.233 χ^2/NDF: 121.9/57

- 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: 66.859+/-0.016 χ^2/NDF:185958.0/11

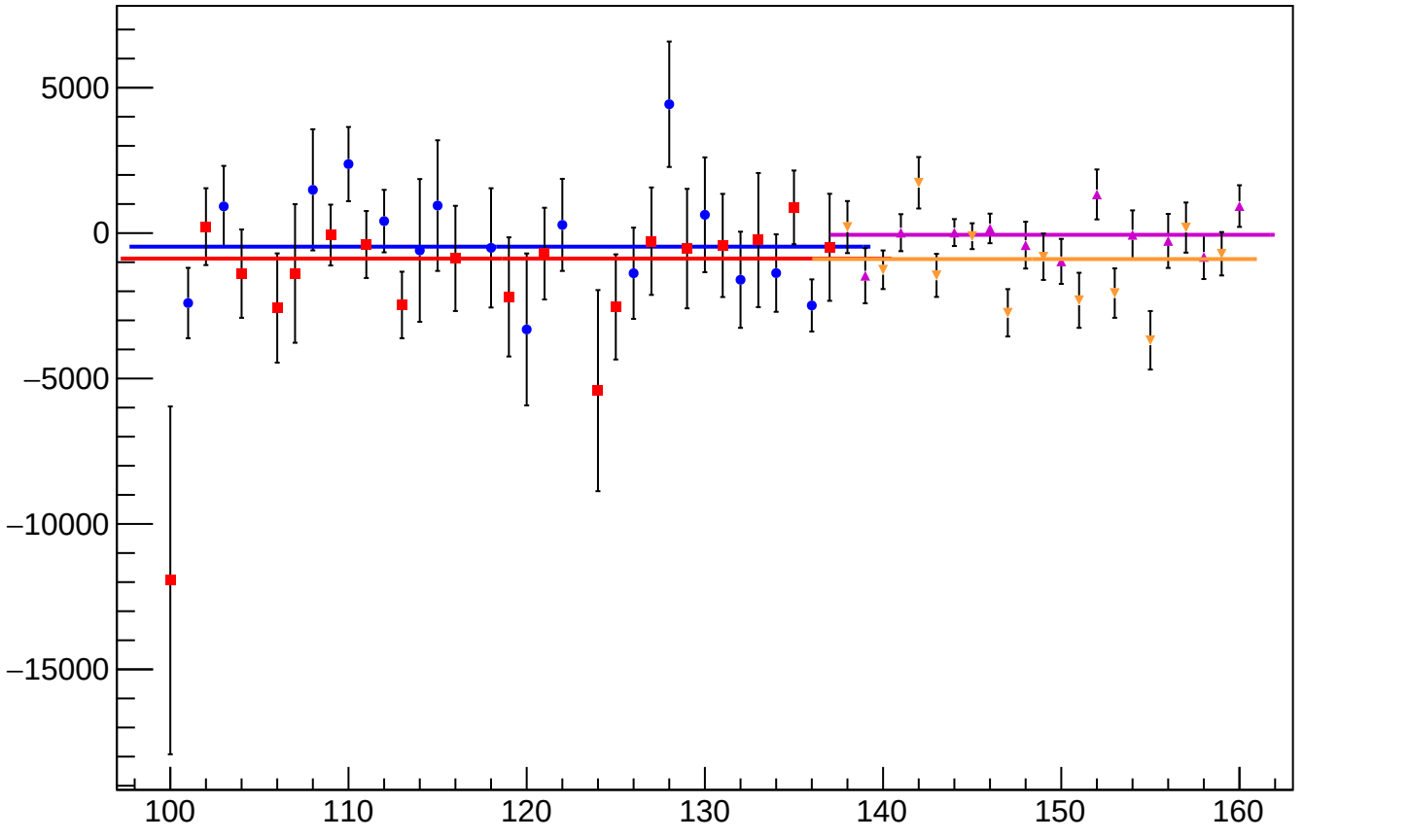
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.382+/-0.015 χ^2/NDF:270004.8/10

+ sign 69.604+/-0.012 χ^2/NDF: 1099162.0/27

All: 69.008+/-0.009 χ^2/NDF: 2417702.4/57

- 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: -892.553+/-216.081 χ^2/NDF:33.0/11

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

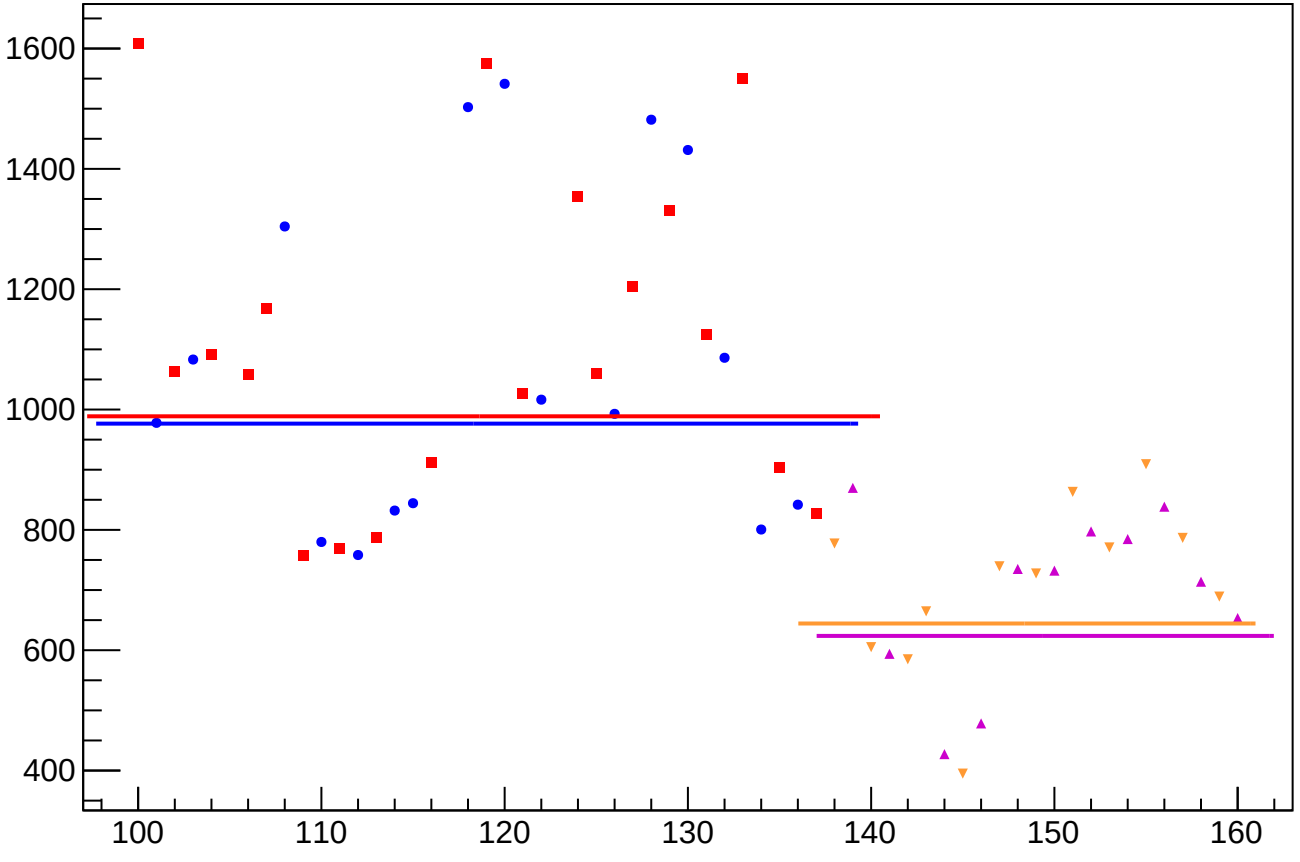
Left In: -58.416+/-208.741 χ^2/NDF:9.6/10

+ sign -786.372+/-187.227 χ^2/NDF: 57.7/27

All: -512.675+/-130.527 χ^2/NDF: 88.1/57

- 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: 644.395+/-0.153 χ^2/NDF:1094243.7/11

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

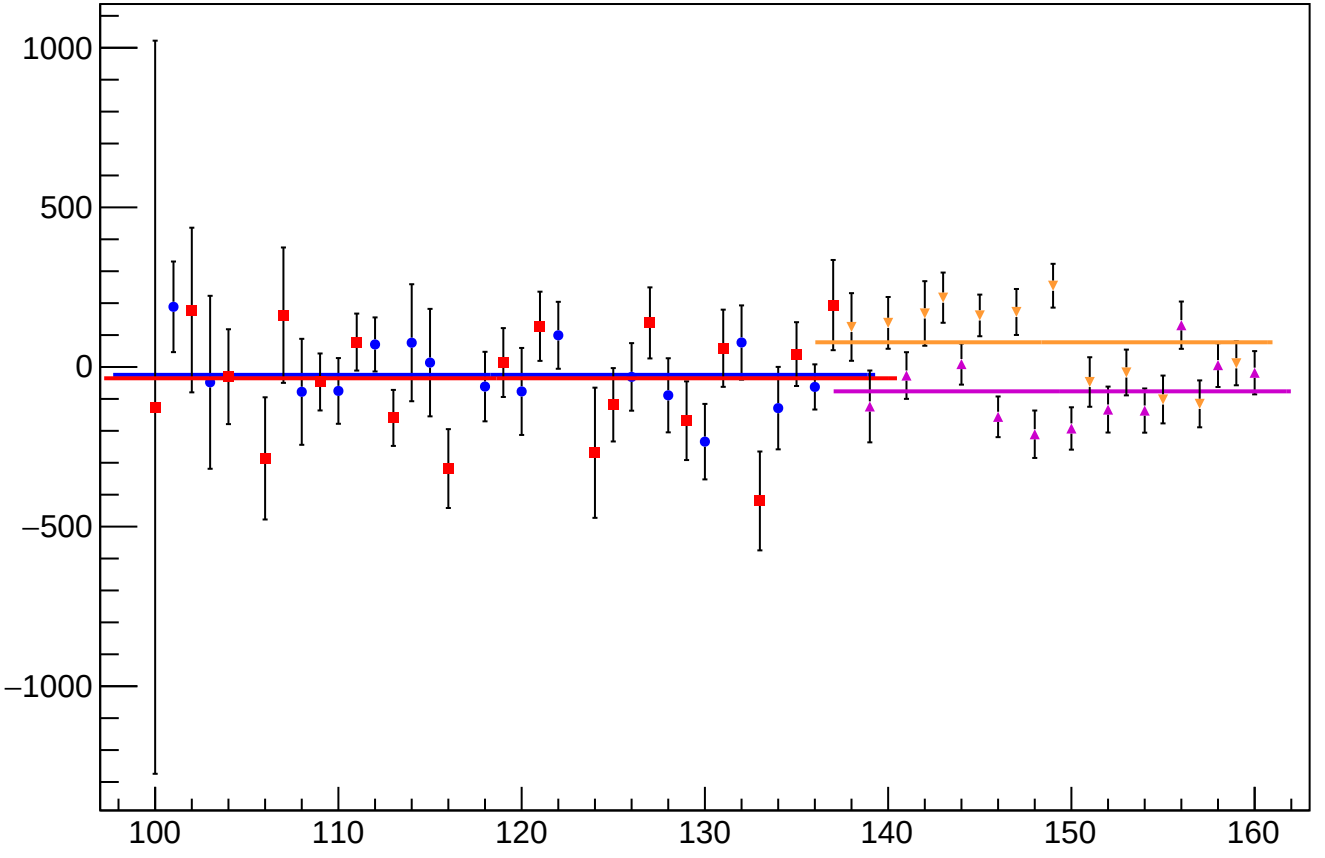
Left In: 623.777+/-0.148 χ^2/NDF:1034433.8/10

+ sign 727.188+/-0.132 χ^2/NDF: 3008911.2/27

All: 718.916+/-0.092 χ^2/NDF: 6229458.8/57

- 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: 77.396+/-21.945 χ^2/NDF:32.6/11

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

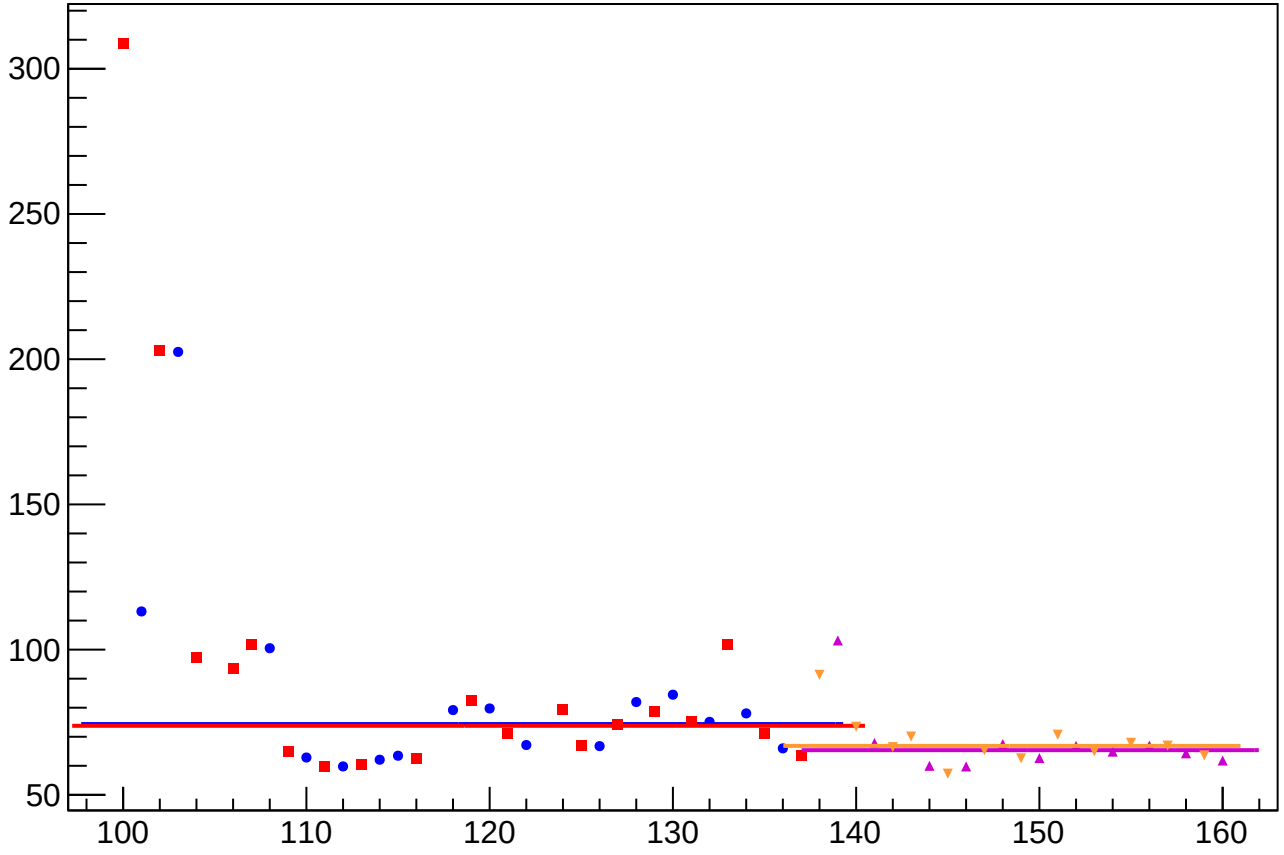
Left In: -76.280+/-21.441 χ^2/NDF:21.7/10

+ sign 40.099+/-17.480 χ^2/NDF: 51.6/27

All: -11.729+/-12.233 χ^2/NDF: 121.8/57

- 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: 66.859+/-0.016 χ^2/NDF:185958.0/11

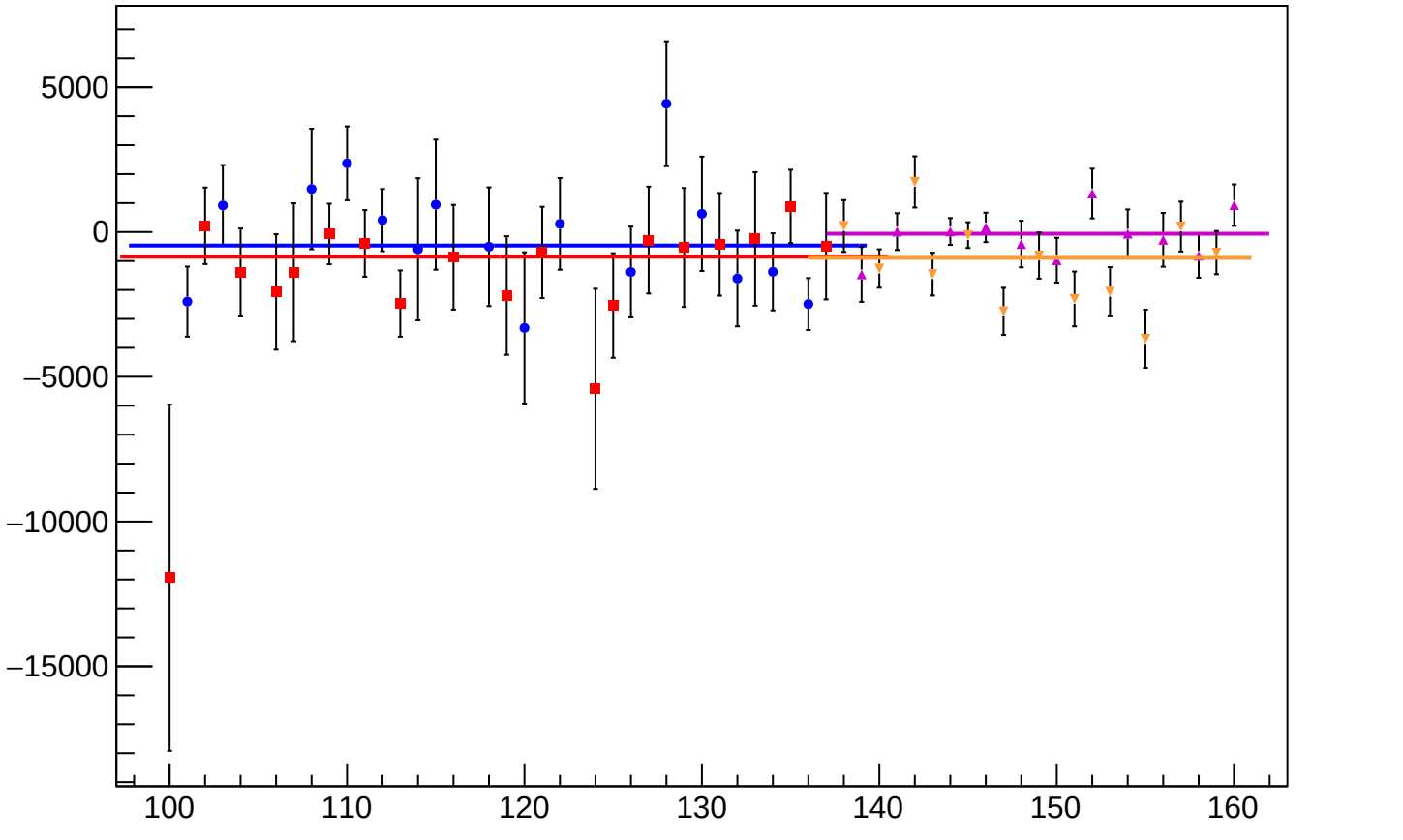
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.382+/-0.015 χ^2/NDF:270004.8/10

+ sign 69.604+/-0.012 χ^2/NDF: 1099164.0/27

All: 69.000+/-0.009 χ^2/NDF: 2412917.2/57

- 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: -892.549+/-216.081 χ^2/NDF:33.0/11

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

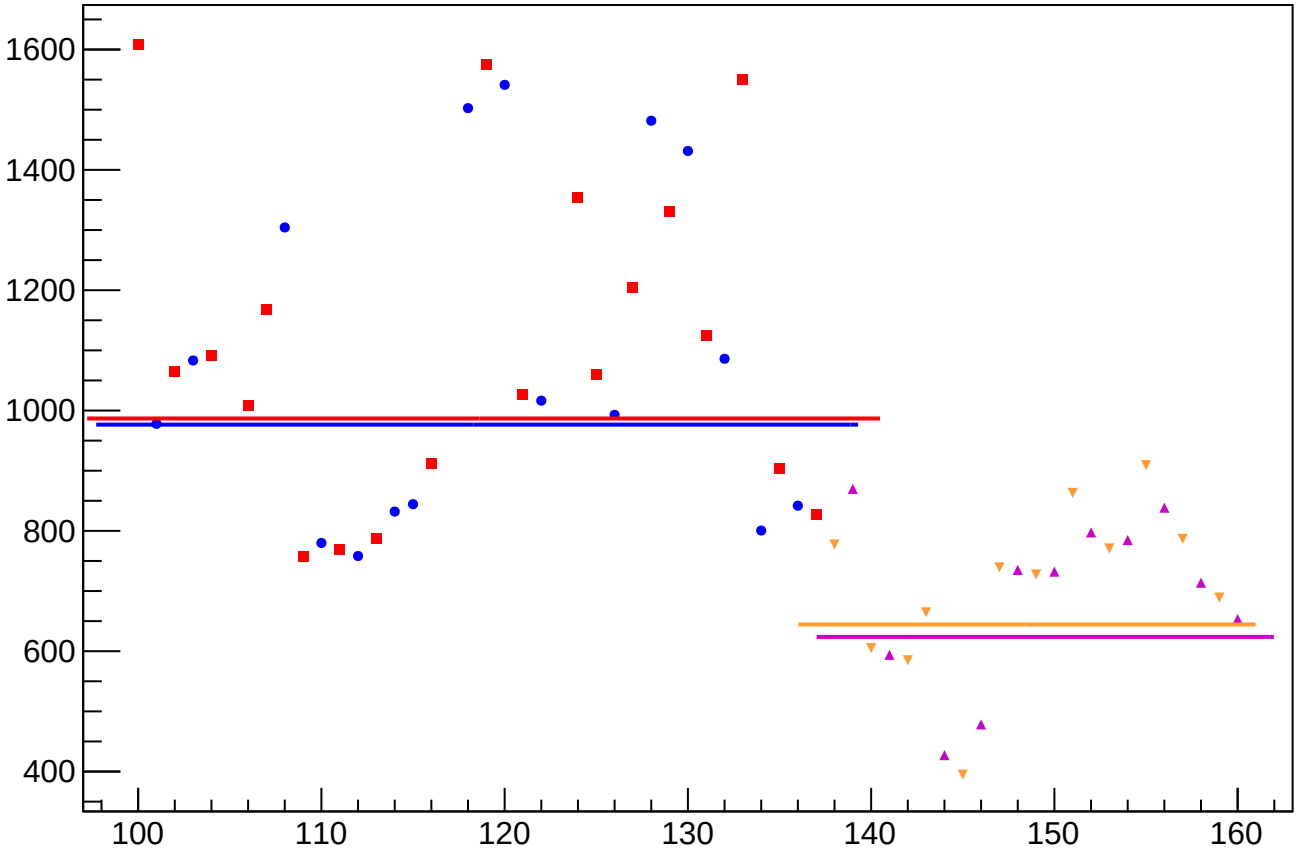
Left In: -58.418+/-208.741 χ^2/NDF:9.6/10

+ sign -786.368+/-187.228 χ^2/NDF: 57.7/27

All: -509.458+/-130.564 χ^2/NDF: 87.5/57

- 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: 644.395+/-0.153 χ^2/NDF:1094244.2/11

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

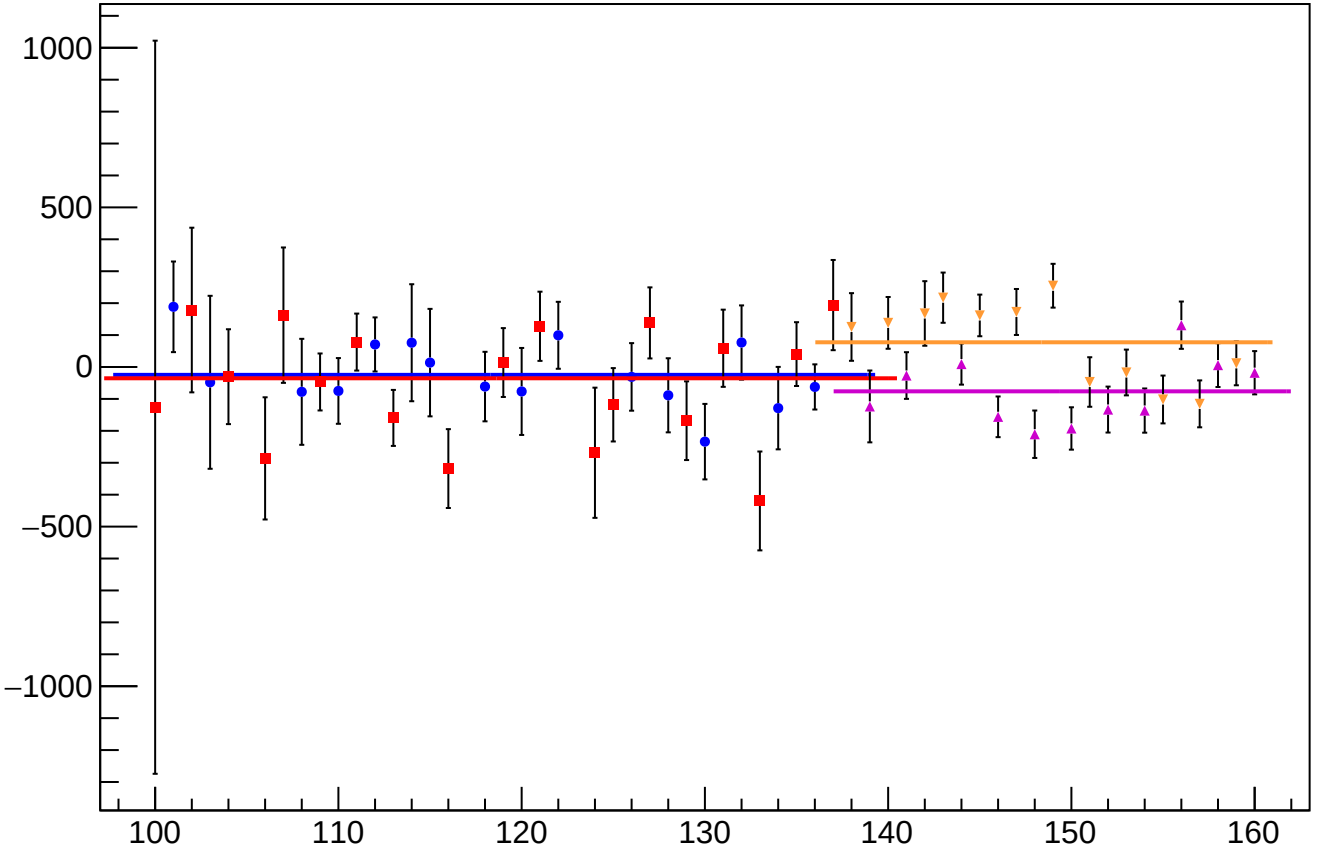
Left In: 623.777+/-0.148 χ^2/NDF:1034434.7/10

+ sign 727.188+/-0.132 χ^2/NDF: 3008965.7/27

All: 718.527+/-0.092 χ^2/NDF: 6207319.5/57

- 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: 77.396+/-21.945 χ^2/NDF:32.6/11

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

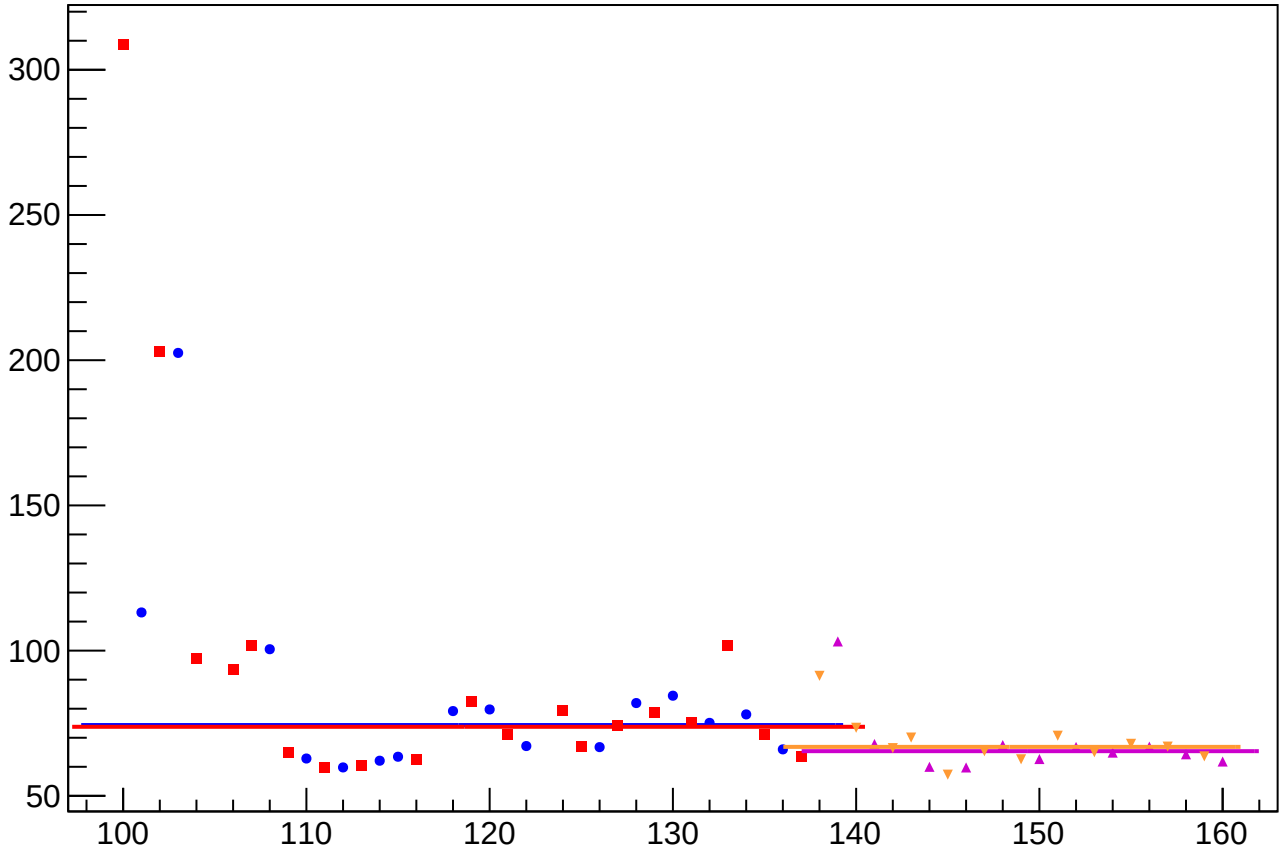
Left In: -76.280+/-21.441 χ^2/NDF:21.7/10

+ sign 40.099+/-17.480 χ^2/NDF: 51.6/27

All: -11.729+/-12.233 χ^2/NDF: 121.8/57

- 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: 66.859+/-0.016 χ^2/NDF:185958.0/11

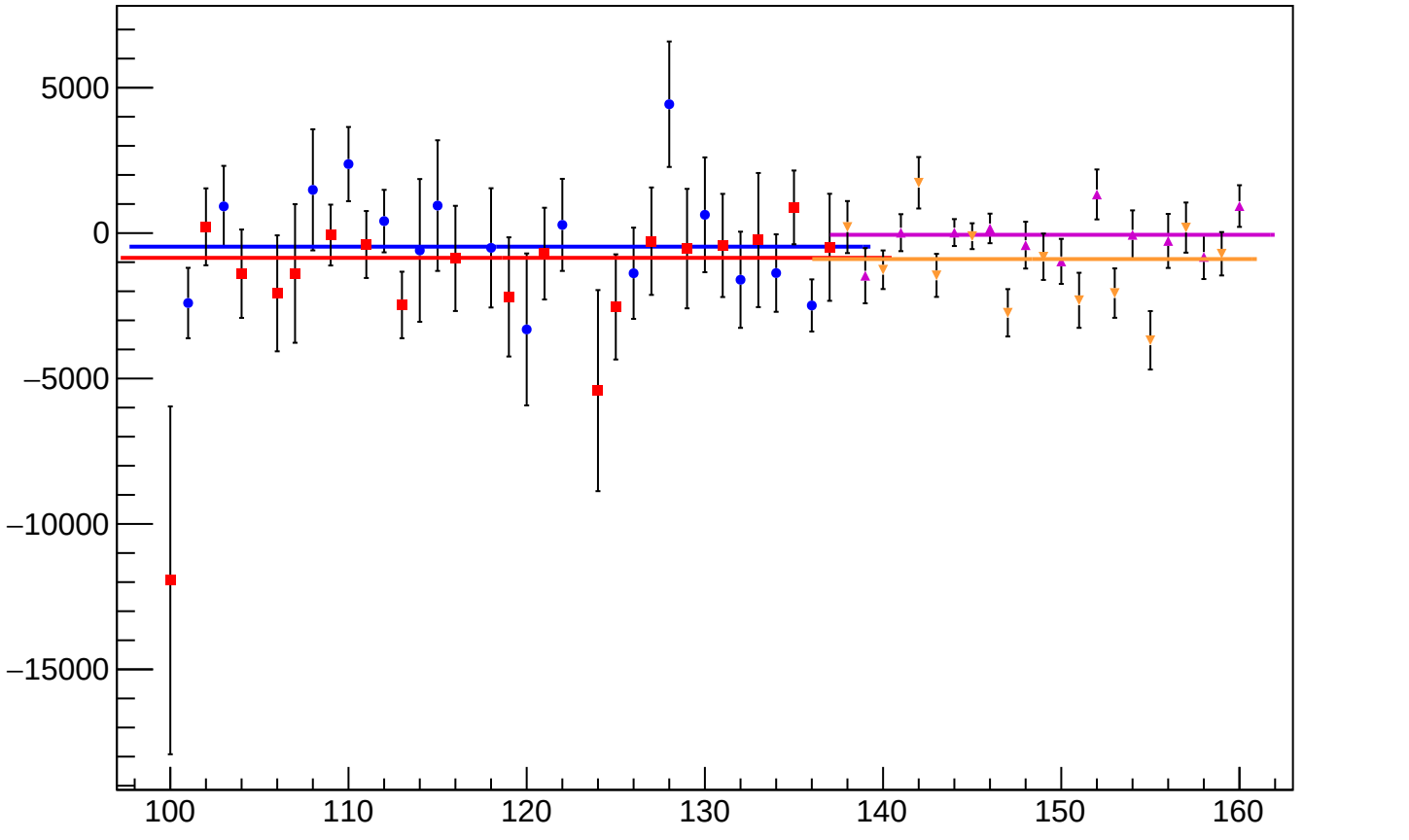
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.382+/-0.015 χ^2/NDF:270004.8/10

+ sign 69.604+/-0.012 χ^2/NDF: 1099164.0/27

All: 69.000+/-0.009 χ^2/NDF: 2412917.2/57

- 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: -892.549+/-216.081 χ^2/NDF:33.0/11

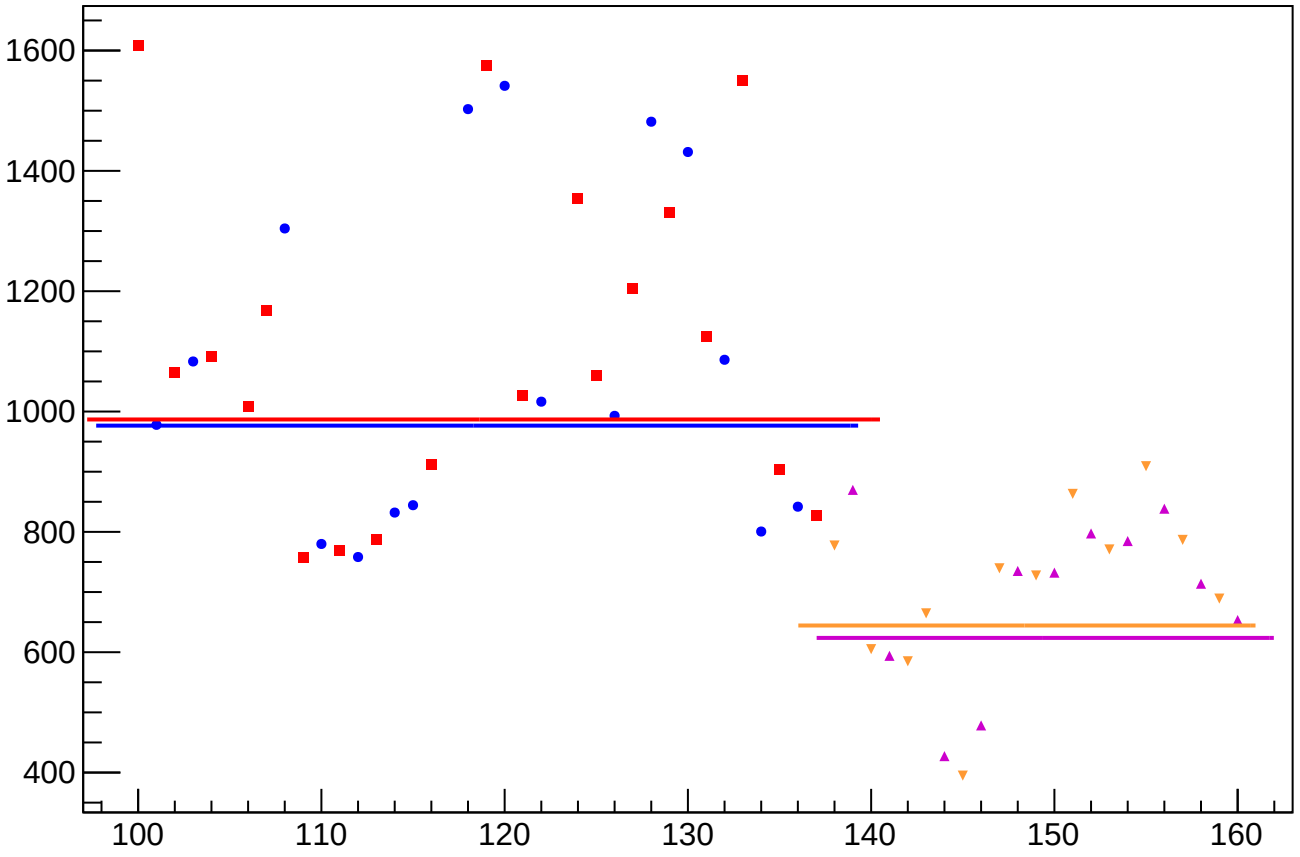
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -58.418+/-208.741 χ^2/NDF:9.6/10

+ sign -786.368+/-187.228 χ^2/NDF: 57.7/27

All: -509.458+/-130.564 χ^2/NDF: 87.5/57

- sign -247.313+/-182.168 χ^2/NDF: 25.6/29



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 644.395+/-0.153 χ^2/NDF:1094244.2/11

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

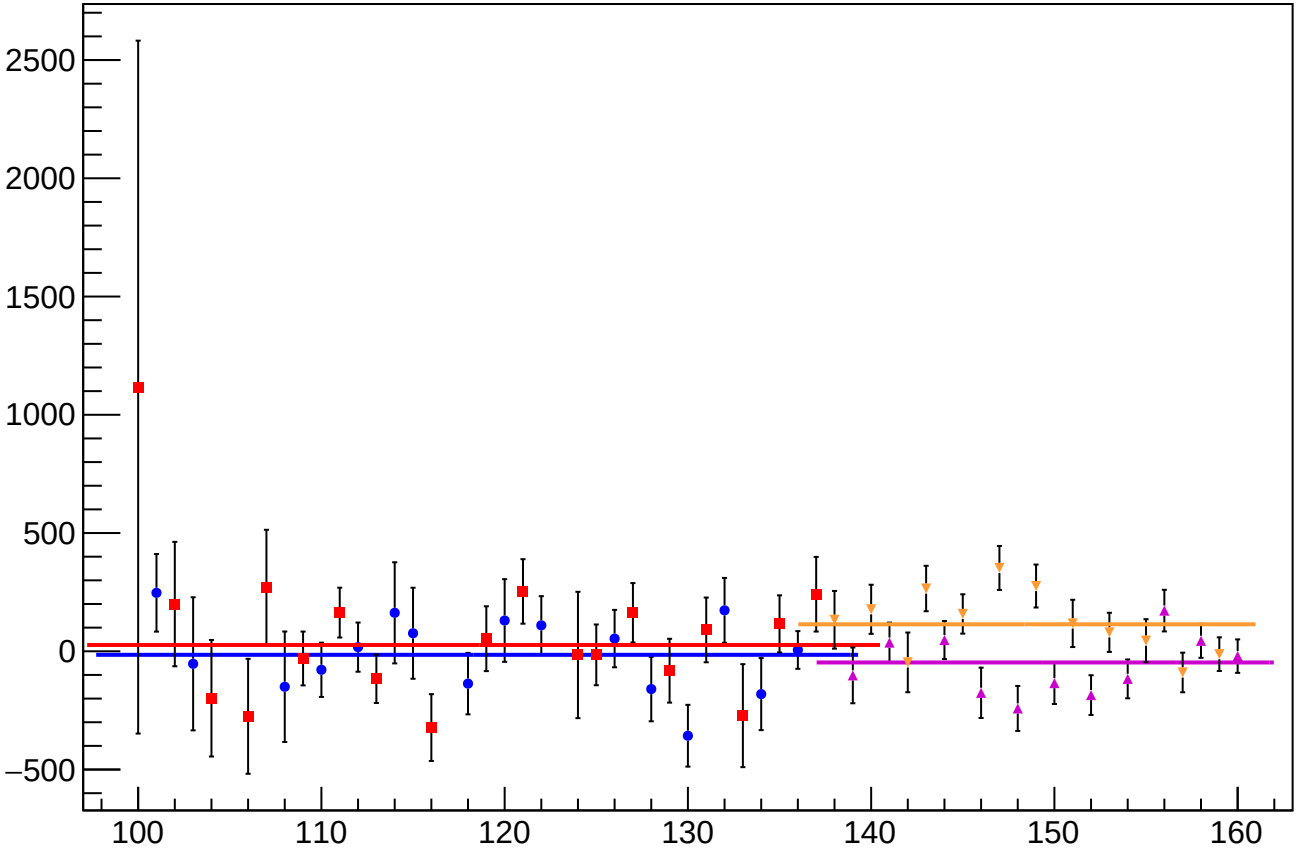
Left In: 623.777+/-0.148 χ^2/NDF:1034434.7/10

+ sign 727.188+/-0.132 χ^2/NDF: 3008965.7/27

All: 718.527+/-0.092 χ^2/NDF: 6207319.5/57

- 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: 114.178+/-26.532 χ^2/NDF:24.4/11

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

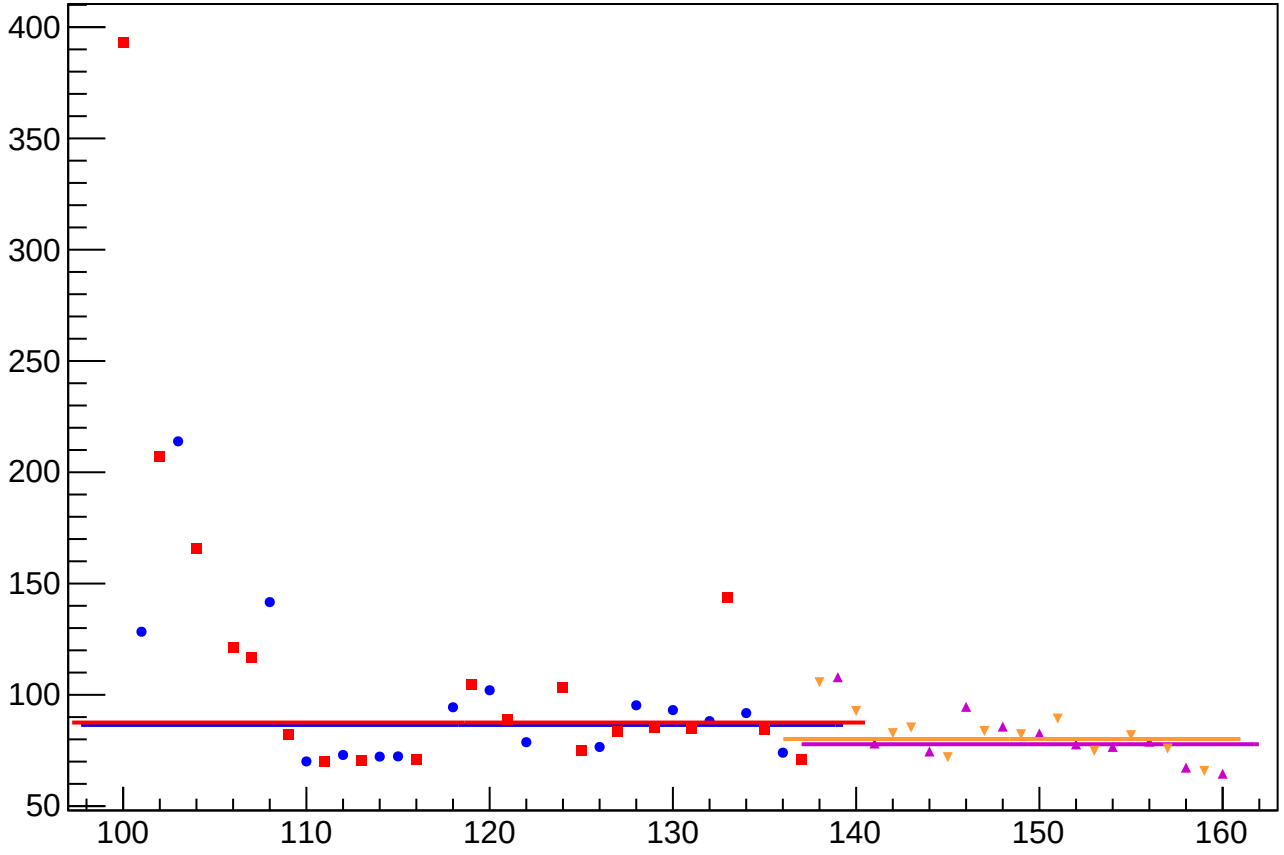
Left In: -47.280+/-25.776 χ^2/NDF:20.6/10

+ sign 64.874+/-20.861 χ^2/NDF: 51.7/27

All: 21.626+/-14.642 χ^2/NDF: 107.3/57

- 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: 80.160+/-0.019 χ^2/NDF:259334.2/11

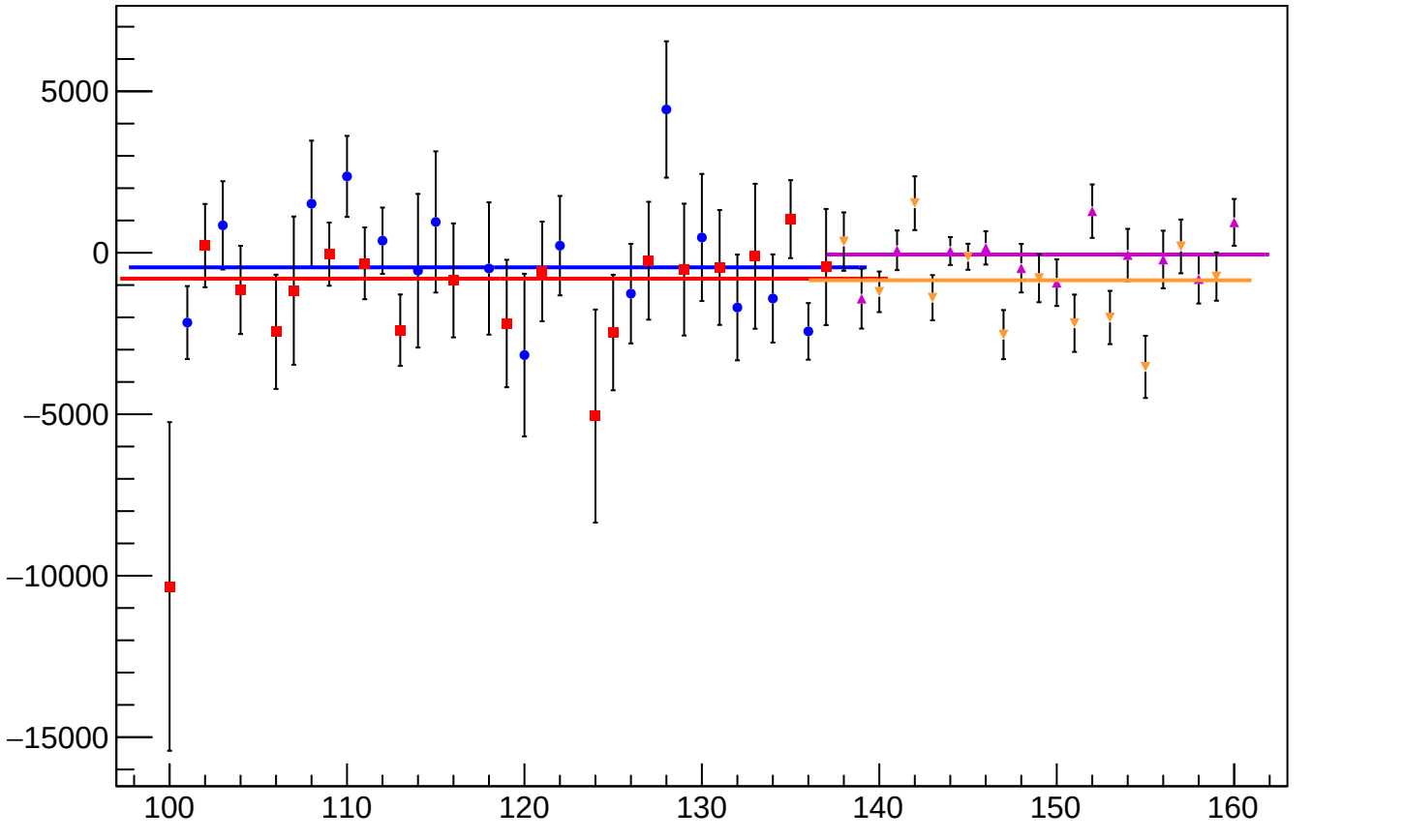
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 77.808+/-0.018 χ^2/NDF:317250.3/10

+ sign 82.576+/-0.015 χ^2/NDF: 1159044.6/27

All: 81.957+/-0.010 χ^2/NDF: 2713656.2/57

- 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: -850.561+/-204.208 χ^2/NDF:32.6/11

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

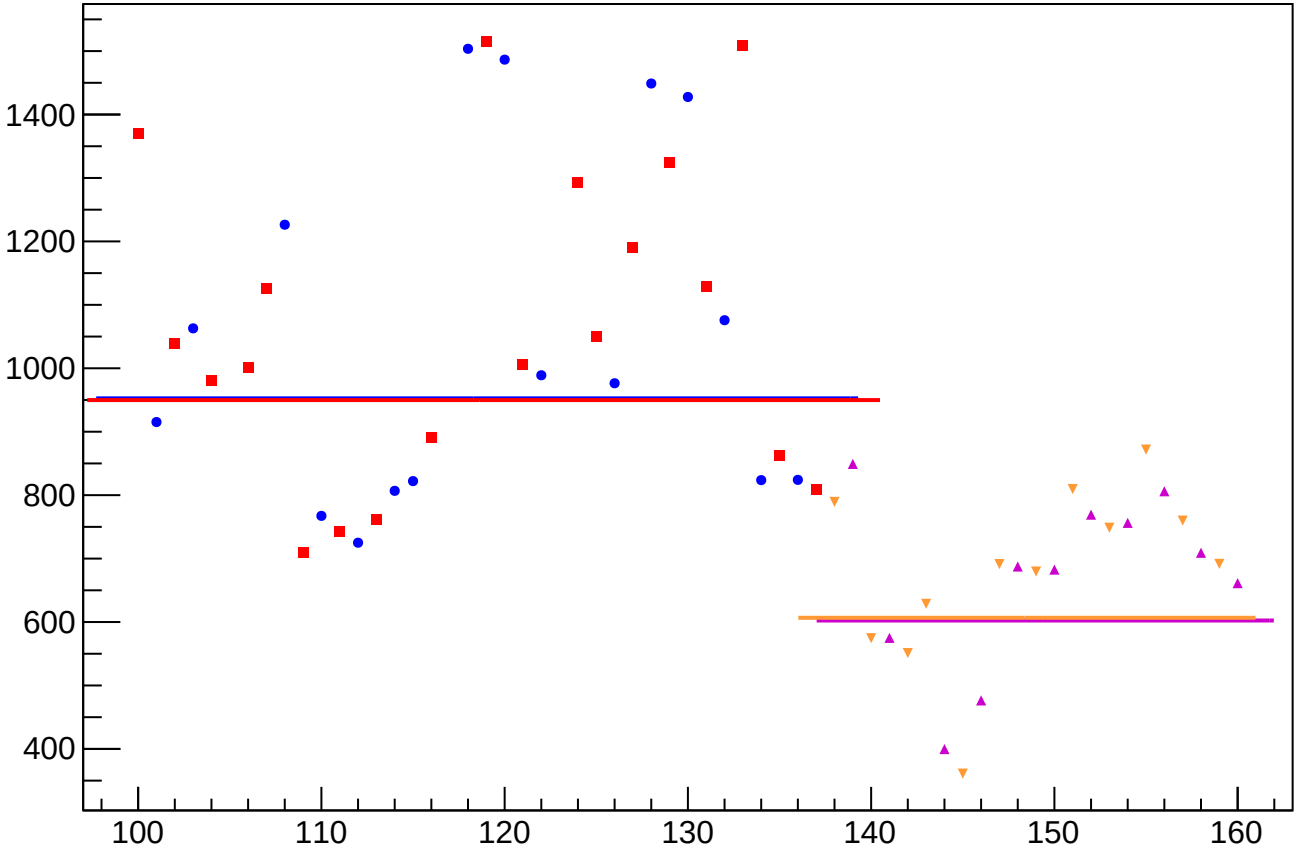
Left In: -54.925+/-202.048 χ^2/NDF:9.8/10

+ sign -755.640+/-178.283 χ^2/NDF: 57.3/27

All: -492.038+/-125.229 χ^2/NDF: 88.3/57

- 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: 606.697+/-0.144 χ^2/NDF:1293316.0/11

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

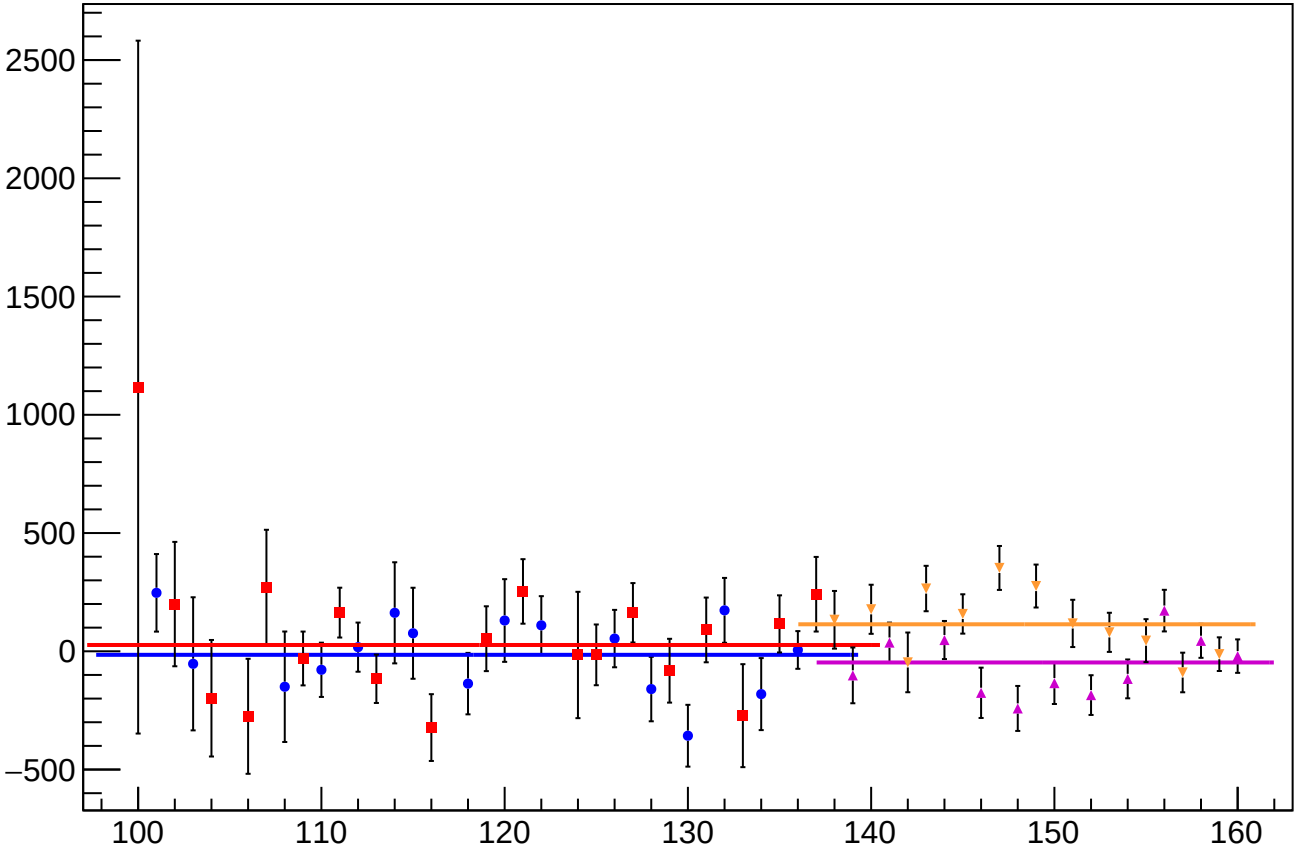
Left In: 602.409+/-0.143 χ^2/NDF:1065203.0/10

\+ sign 688.937+/-0.126 χ^2/NDF: 3403822.8/27

All: 687.652+/-0.089 χ^2/NDF: 6650747.6/57

\- 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: 114.180+/-26.532 χ^2/NDF:24.4/11

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

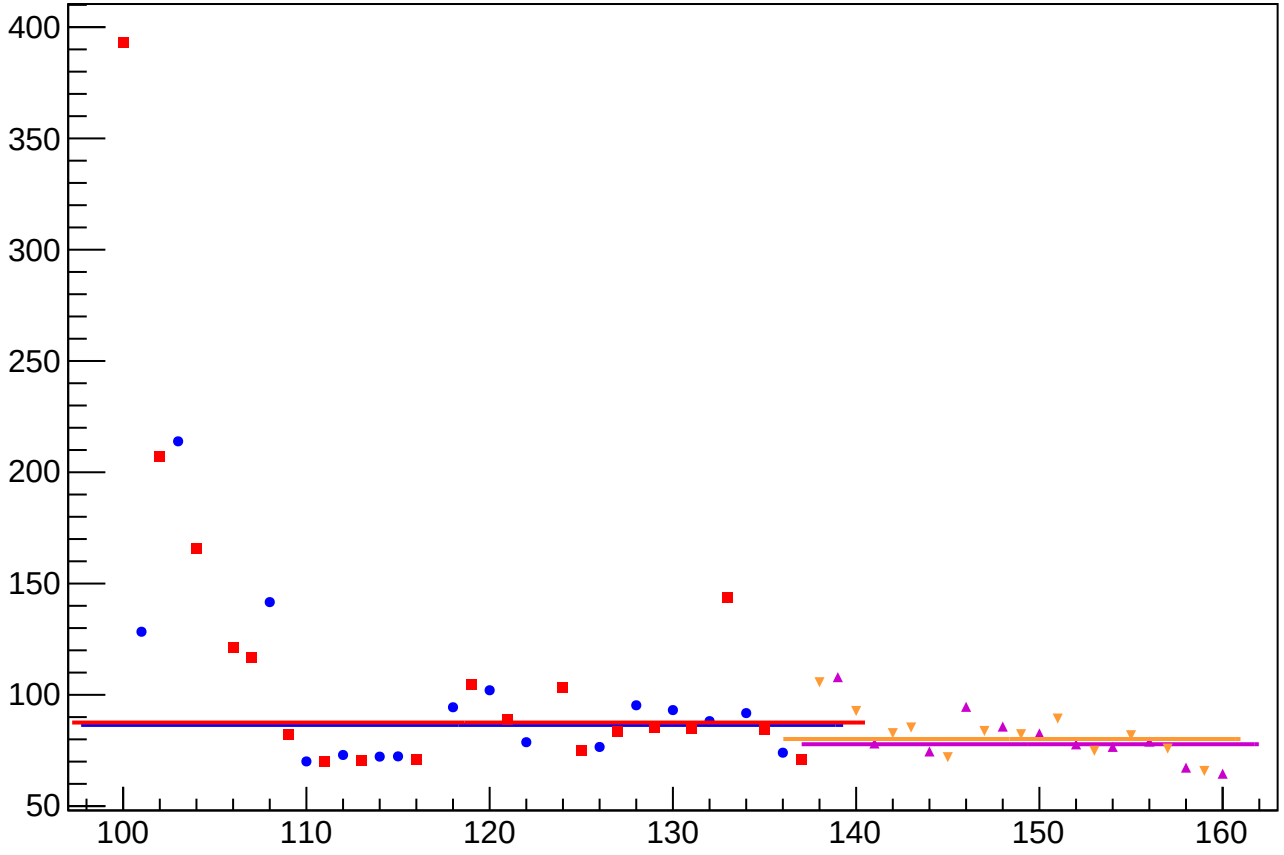
Left In: -47.279+/-25.776 χ^2/NDF:20.6/10

+ sign 64.875+/-20.861 χ^2/NDF: 51.7/27

All: 21.627+/-14.642 χ^2/NDF: 107.3/57

- 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: 80.160+/-0.019 χ^2/NDF:259338.7/11

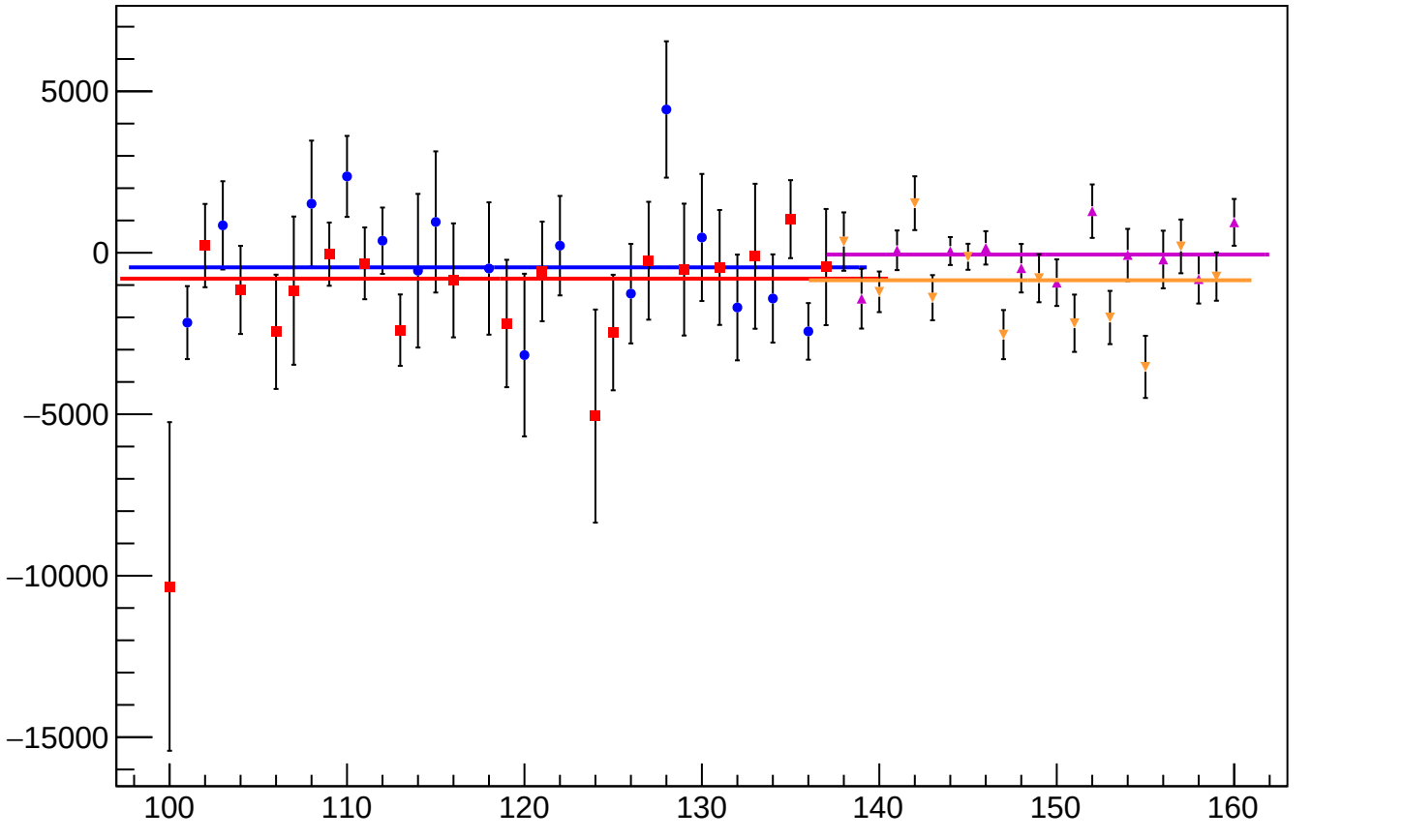
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 77.808+/-0.018 χ^2/NDF:317255.2/10

+ sign 82.577+/-0.015 χ^2/NDF: 1159040.1/27

All: 81.957+/-0.010 χ^2/NDF: 2713658.2/57

- 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: -850.561+/-204.207 χ^2/NDF:32.6/11

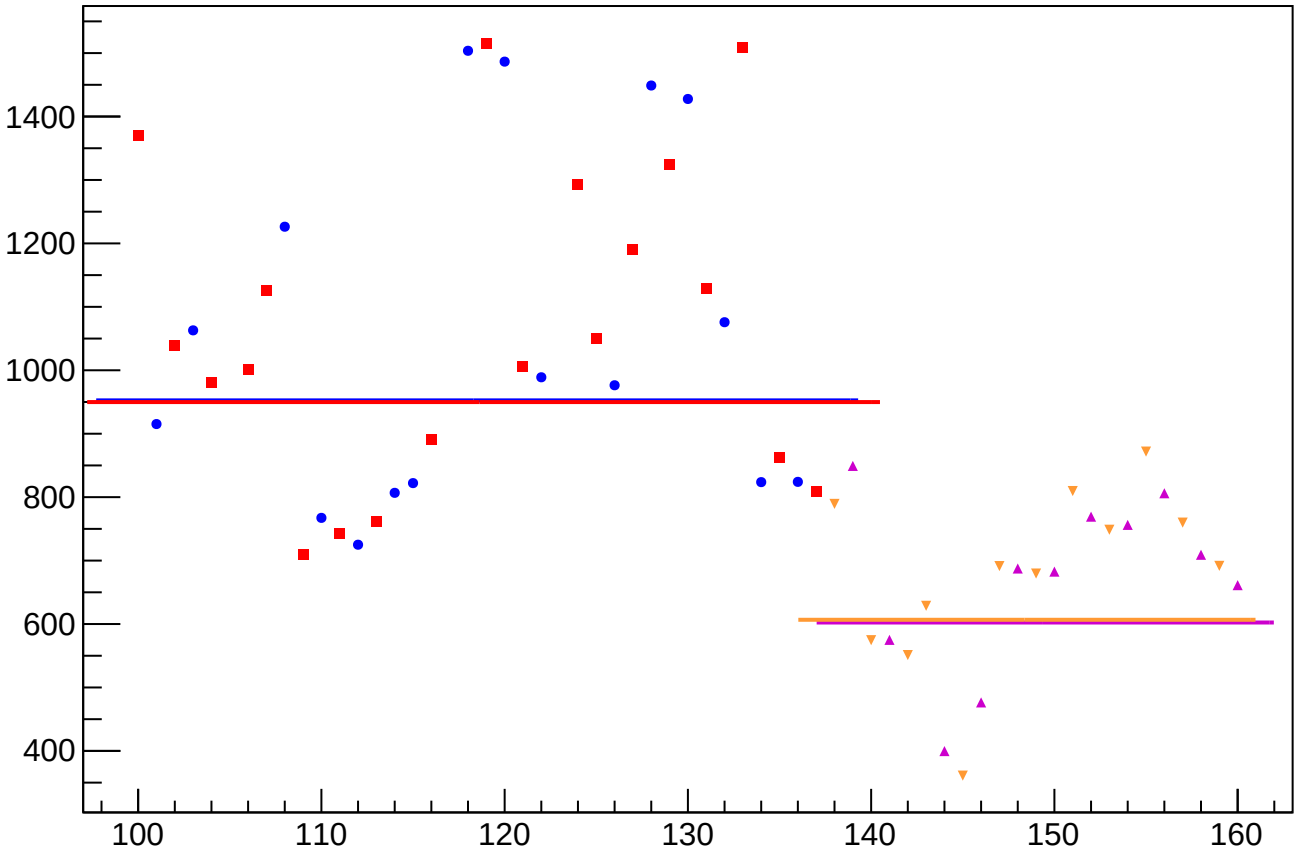
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -54.924+/-202.048 χ^2/NDF:9.8/10

+ sign -755.639+/-178.283 χ^2/NDF: 57.3/27

All: -492.038+/-125.229 χ^2/NDF: 88.3/57

- sign -235.311+/-175.942 χ^2/NDF: 26.7/29



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 606.696+/-0.144 χ^2/NDF:1293317.0/11

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

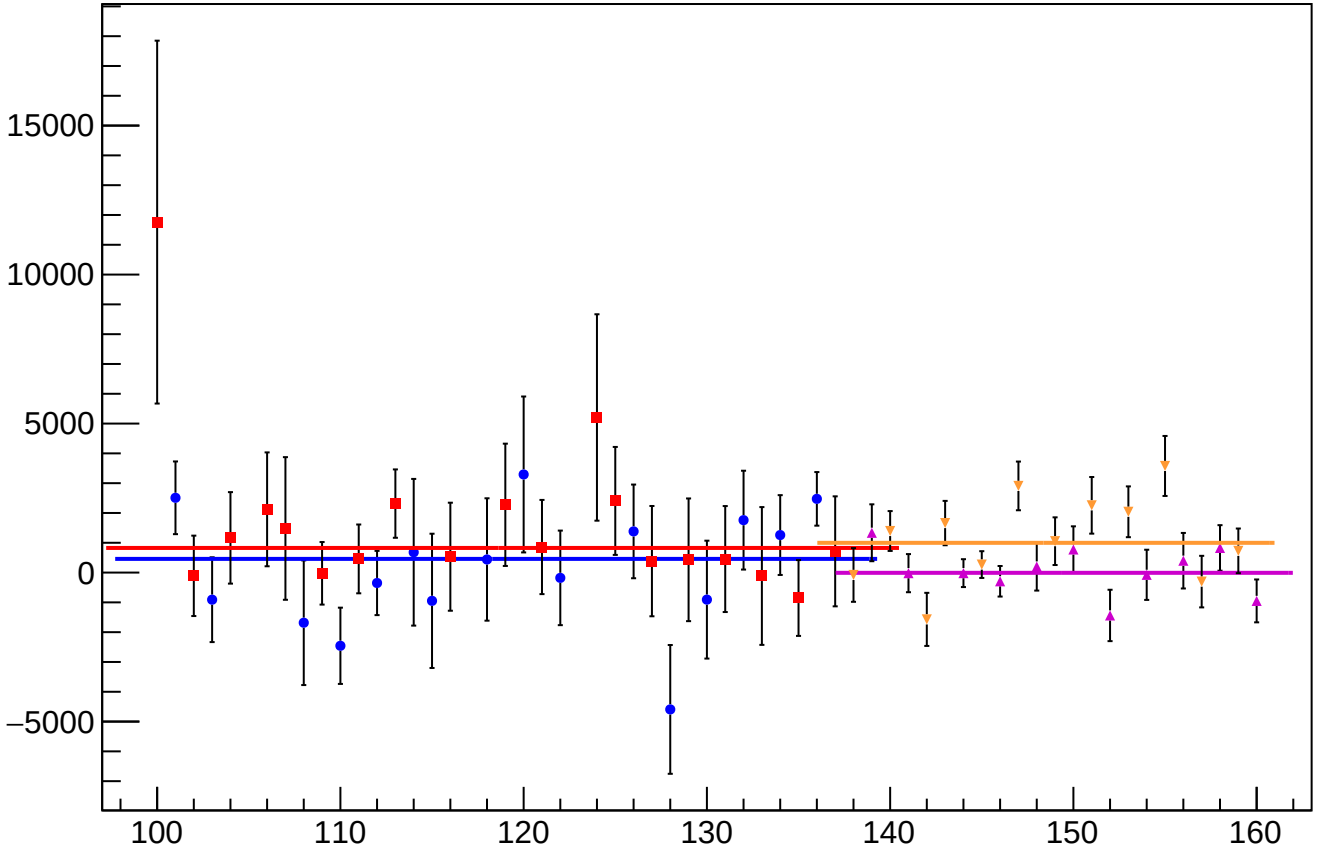
Left In: 602.409+/-0.143 χ^2/NDF:1065202.4/10

+ sign 688.937+/-0.126 χ^2/NDF: 3403823.0/27

All: 687.651+/-0.089 χ^2/NDF: 6650741.5/57

- 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: 998.194+/-217.479 χ^2/NDF:31.2/11

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

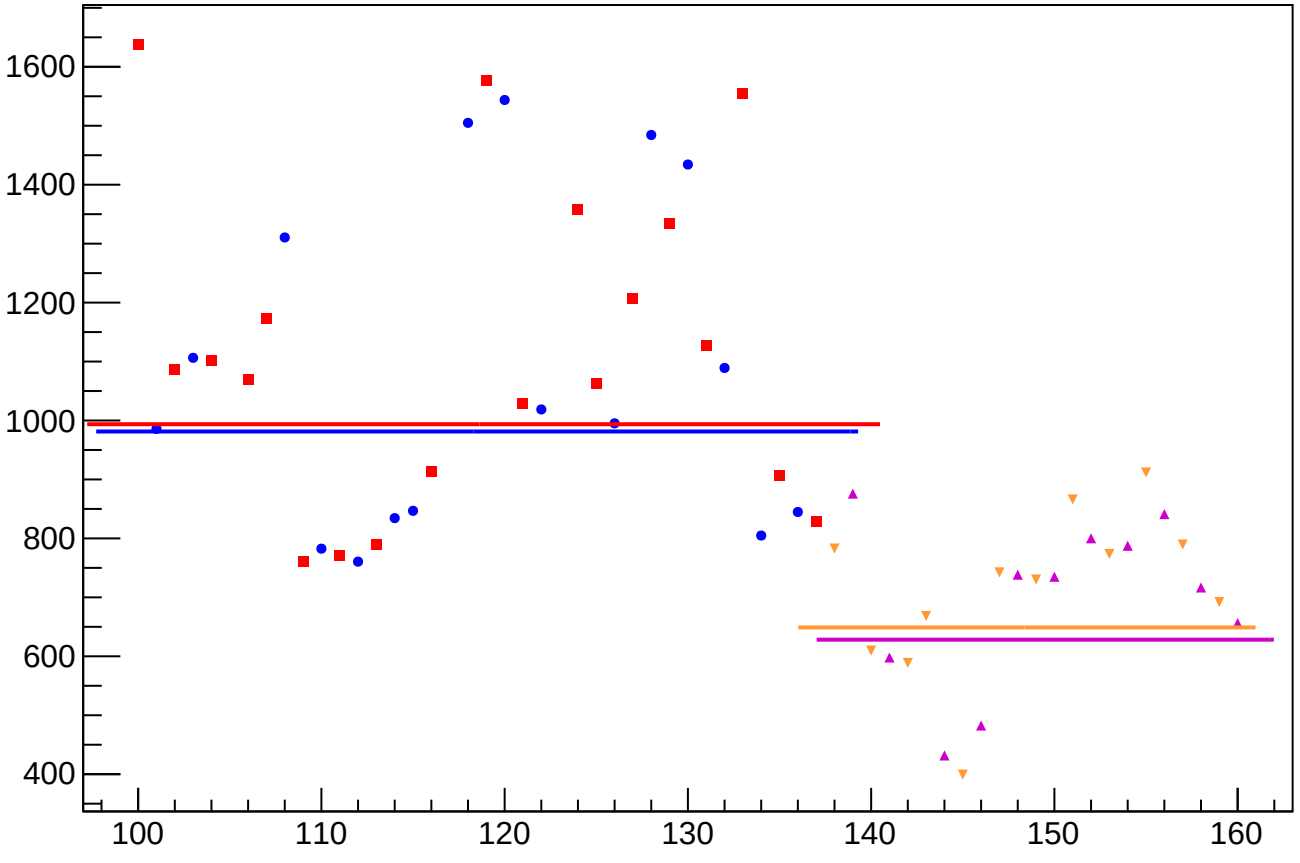
Left In: -8.363+/-210.098 χ^2/NDF:9.2/10

+ sign 863.531+/-188.366 χ^2/NDF: 57.3/27

All: 518.287+/-131.331 χ^2/NDF: 88.5/57

- 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: 648.989+/-0.154 χ^2/NDF:1069790.6/11

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

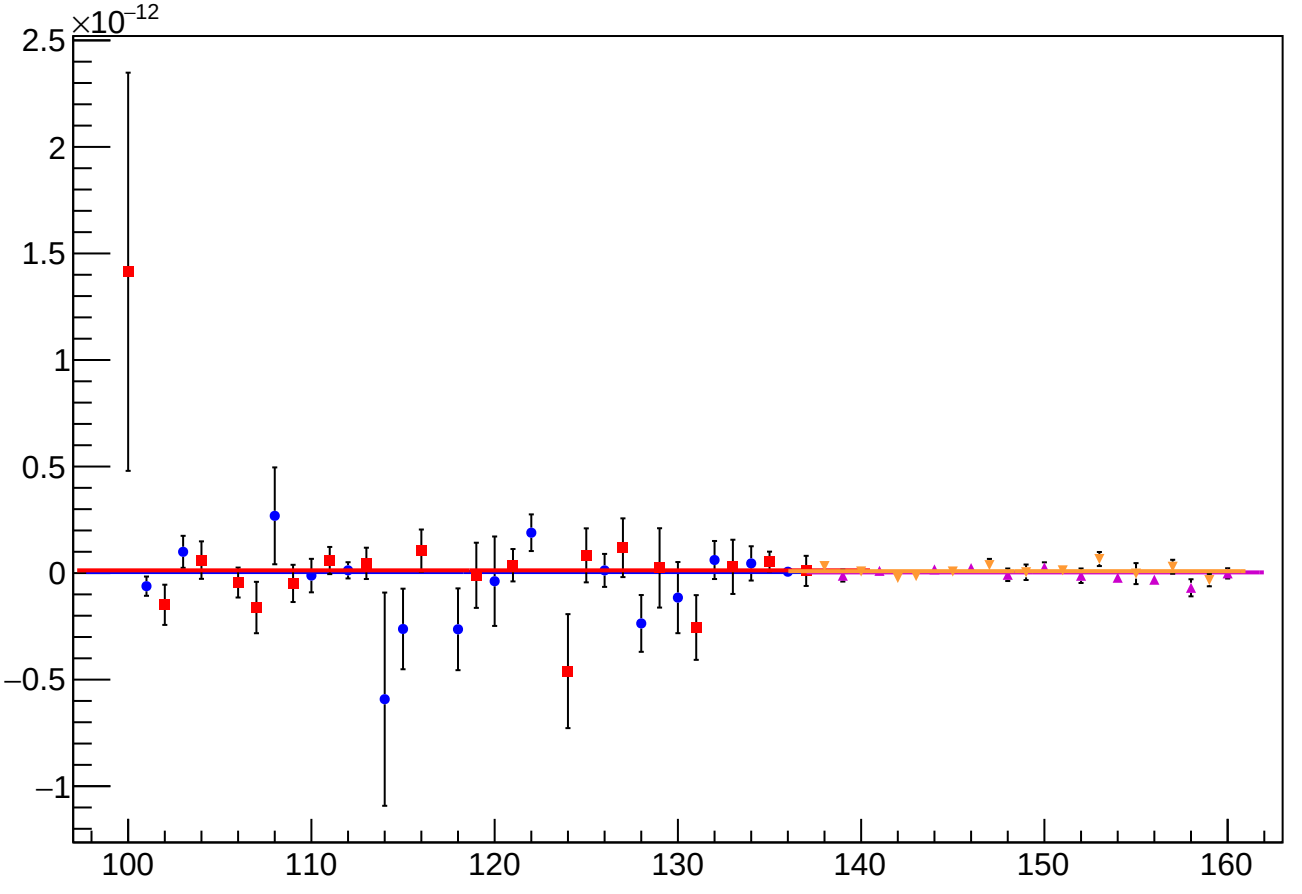
Left In: 628.213+/-0.149 χ^2/NDF:1013815.3/10

+ sign 732.017+/-0.133 χ^2/NDF: 2974296.5/27

All: 723.680+/-0.093 χ^2/NDF: 6165803.5/57

- 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:11.7/11

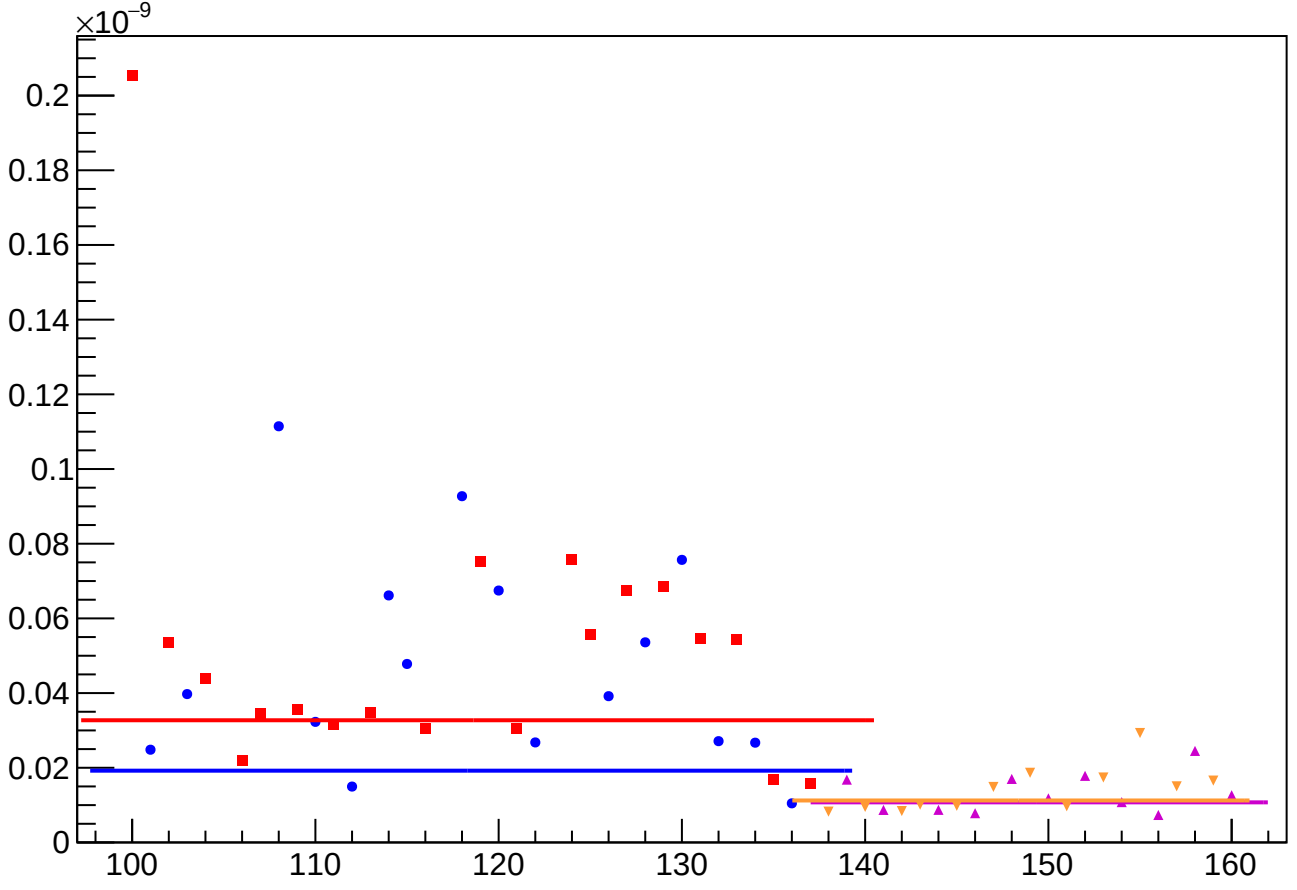
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 31.5/27

All: 0.000+/-0.000 χ^2/NDF: 61.6/57

- 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:687377.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

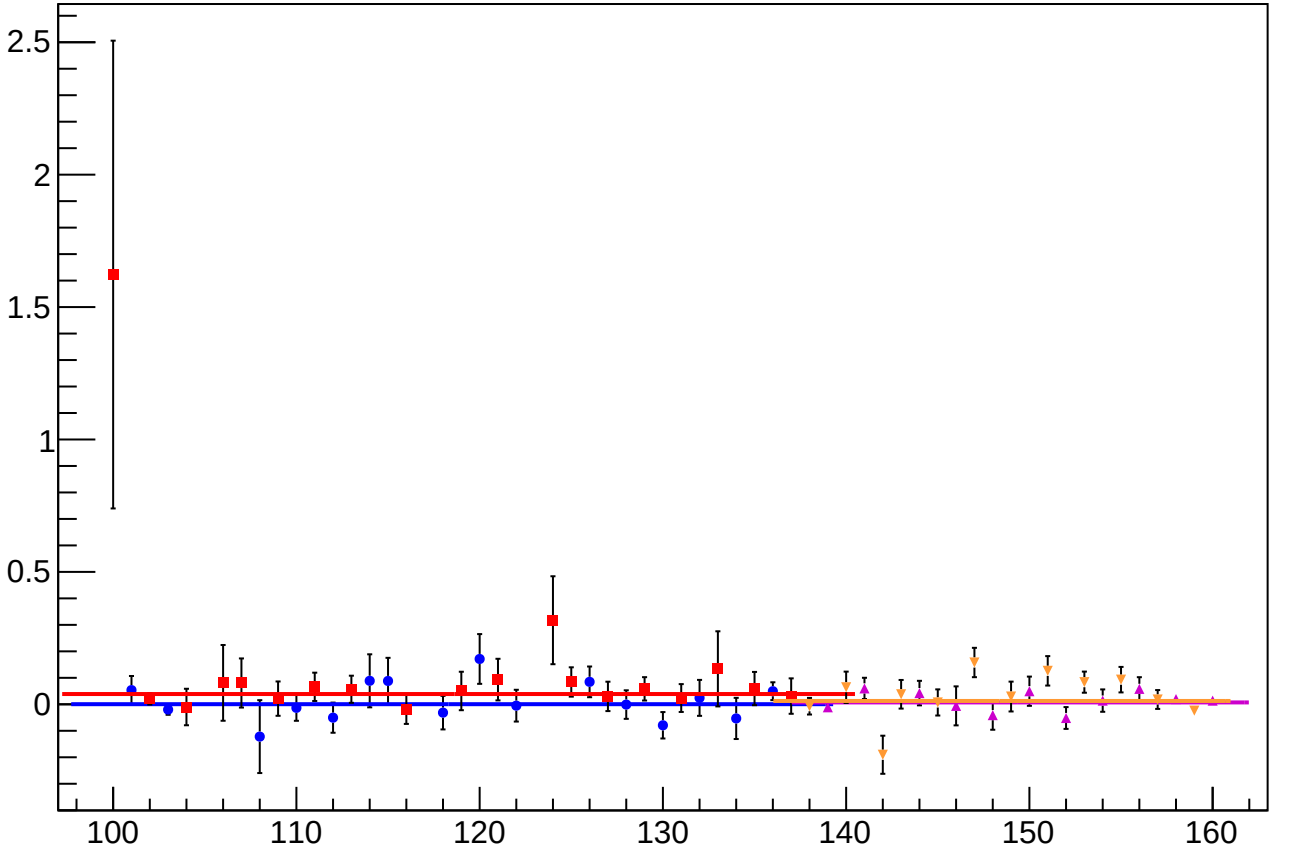
Left In: 0.000+/-0.000 χ^2/NDF:709487.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 3168787.3/27

All: 0.000+/-0.000 χ^2/NDF: 7103998.7/57

- 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: 0.013+/-0.011 χ^2/NDF:31.4/11

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

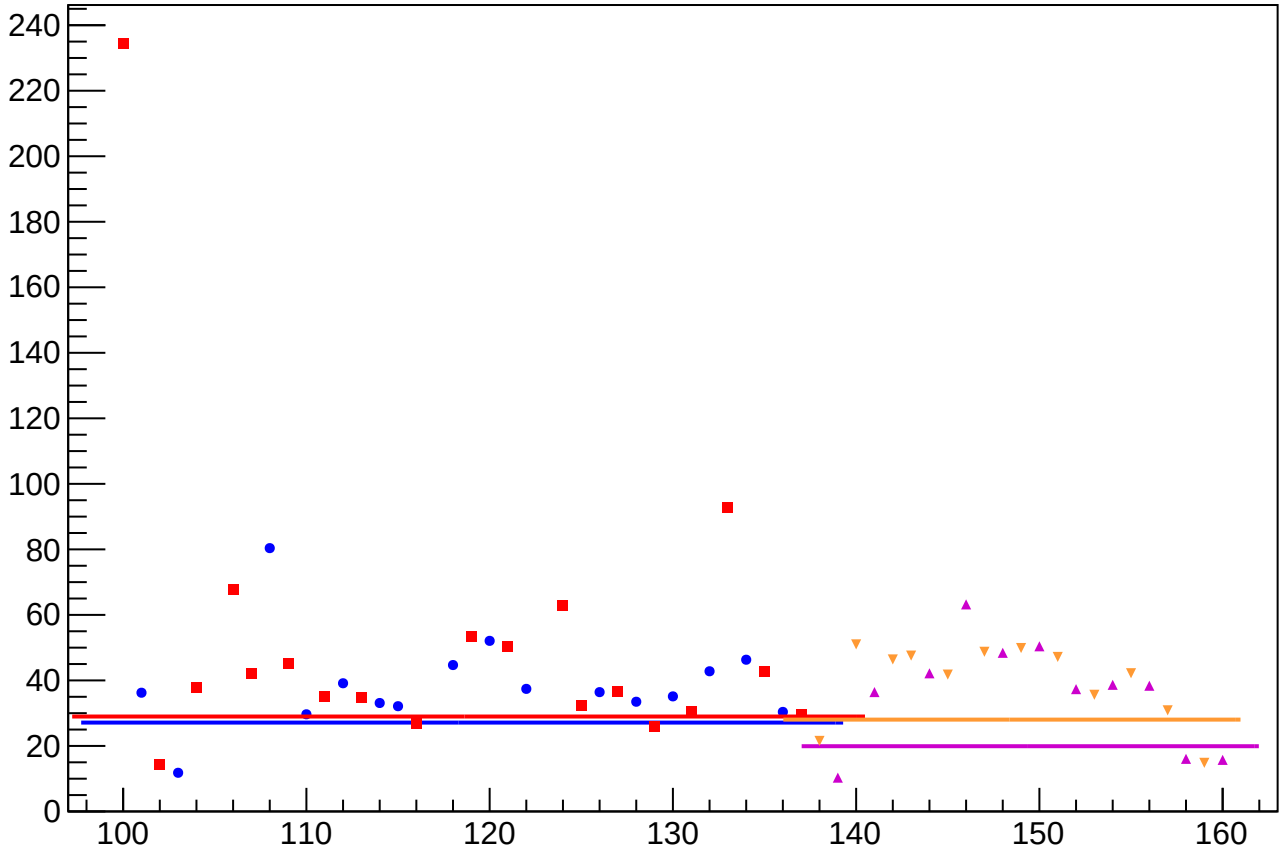
Left In: 0.007+/-0.008 χ^2/NDF:9.6/10

+ sign 0.007+/-0.008 χ^2/NDF: 48.5/27

All: 0.013+/-0.005 χ^2/NDF: 74.4/57

- 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: 28.034+/-0.008 χ^2/NDF:3295600.2/11

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

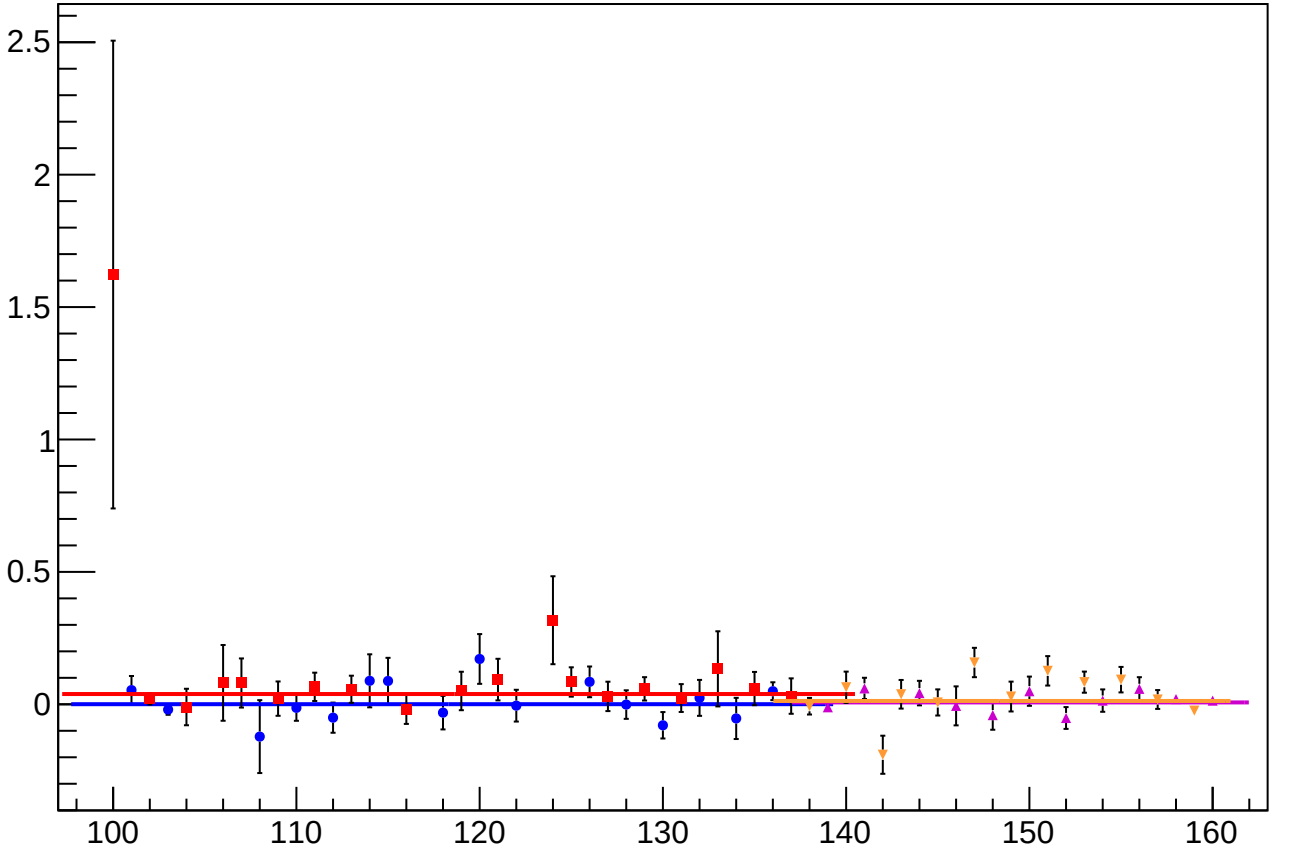
Left In: 19.915+/-0.006 χ^2/NDF:4964144.3/10

\+ sign 27.634+/-0.006 χ^2/NDF: 5717251.0/27

All: 24.674+/-0.004 χ^2/NDF: 14342280.6/57

\- 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: 0.013+/-0.011 χ^2/NDF:31.4/11

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

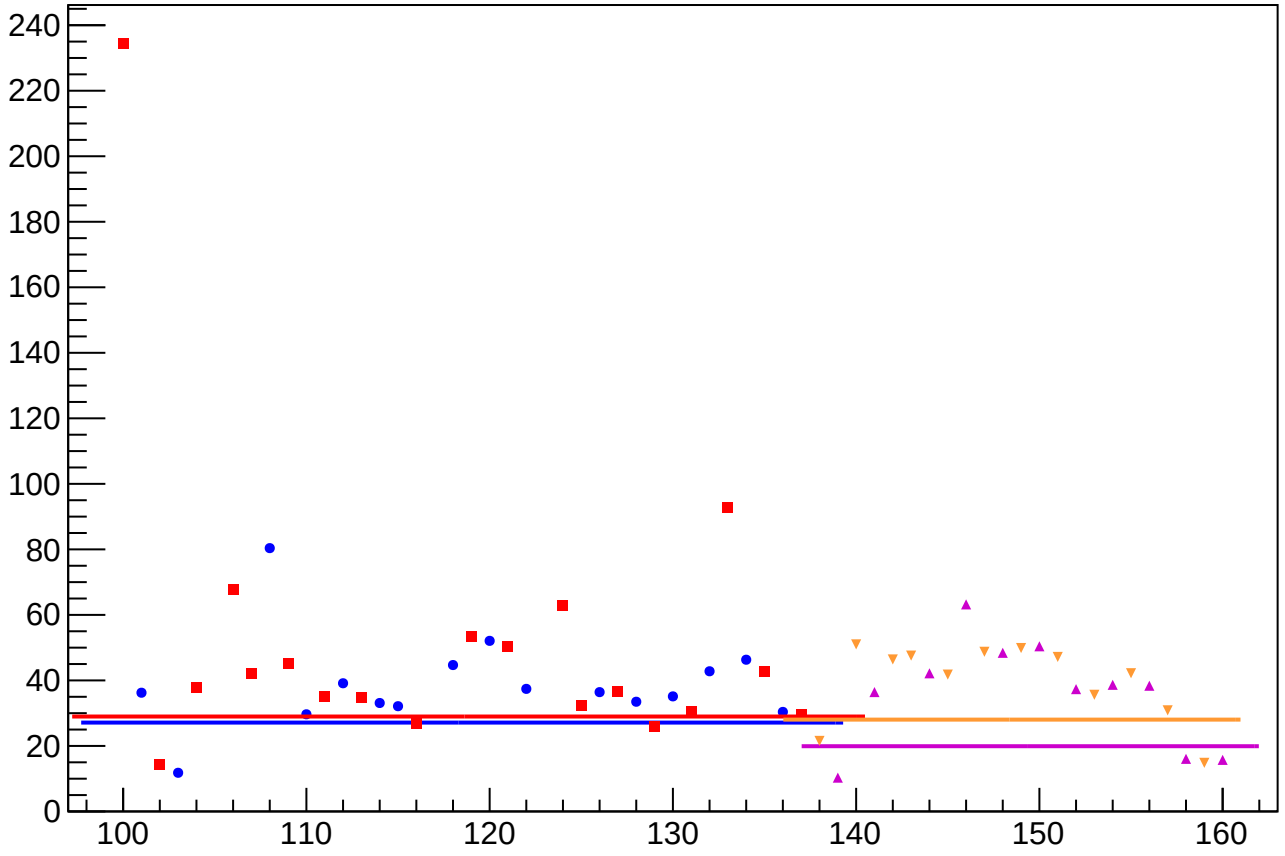
Left In: 0.007+/-0.008 χ^2/NDF:9.6/10

+ sign 0.007+/-0.008 χ^2/NDF: 48.5/27

All: 0.013+/-0.005 χ^2/NDF: 74.4/57

- 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: 28.034+/-0.008 χ^2/NDF:3295600.2/11

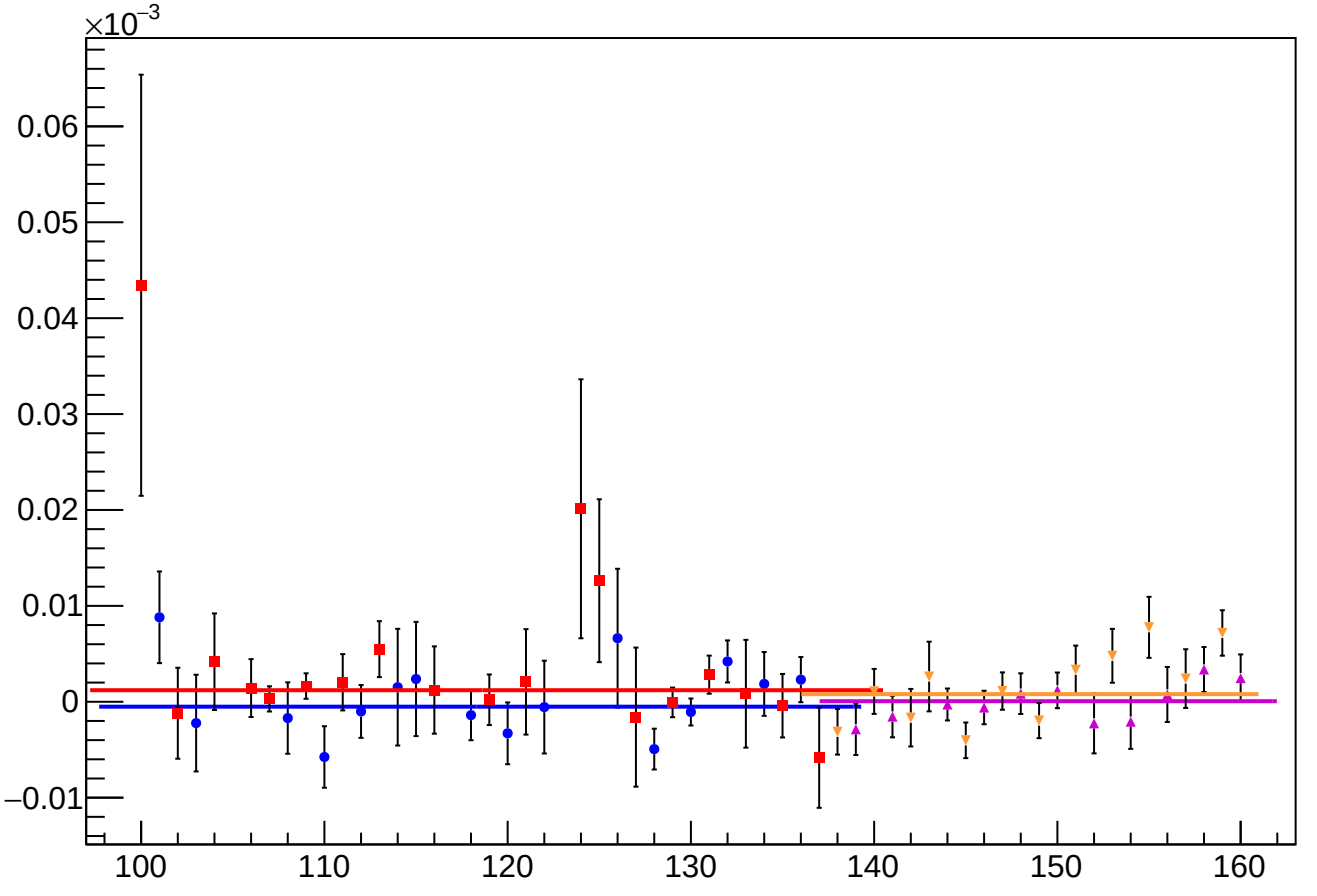
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 19.915+/-0.006 χ^2/NDF:4964144.3/10

\+ sign 27.634+/-0.006 χ^2/NDF: 5717251.0/27

All: 24.674+/-0.004 χ^2/NDF: 14342280.6/57

\- 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:28.0/11

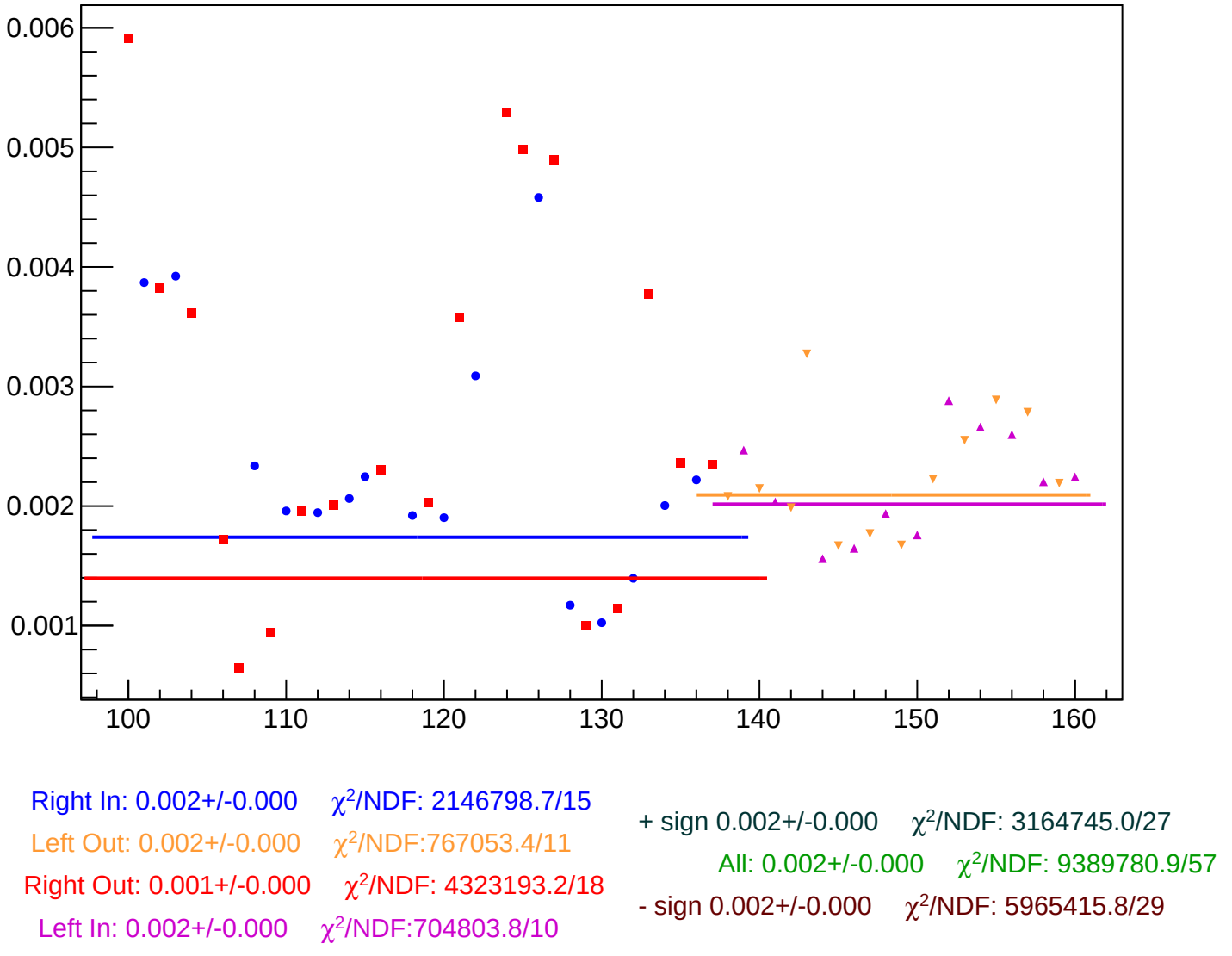
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/10

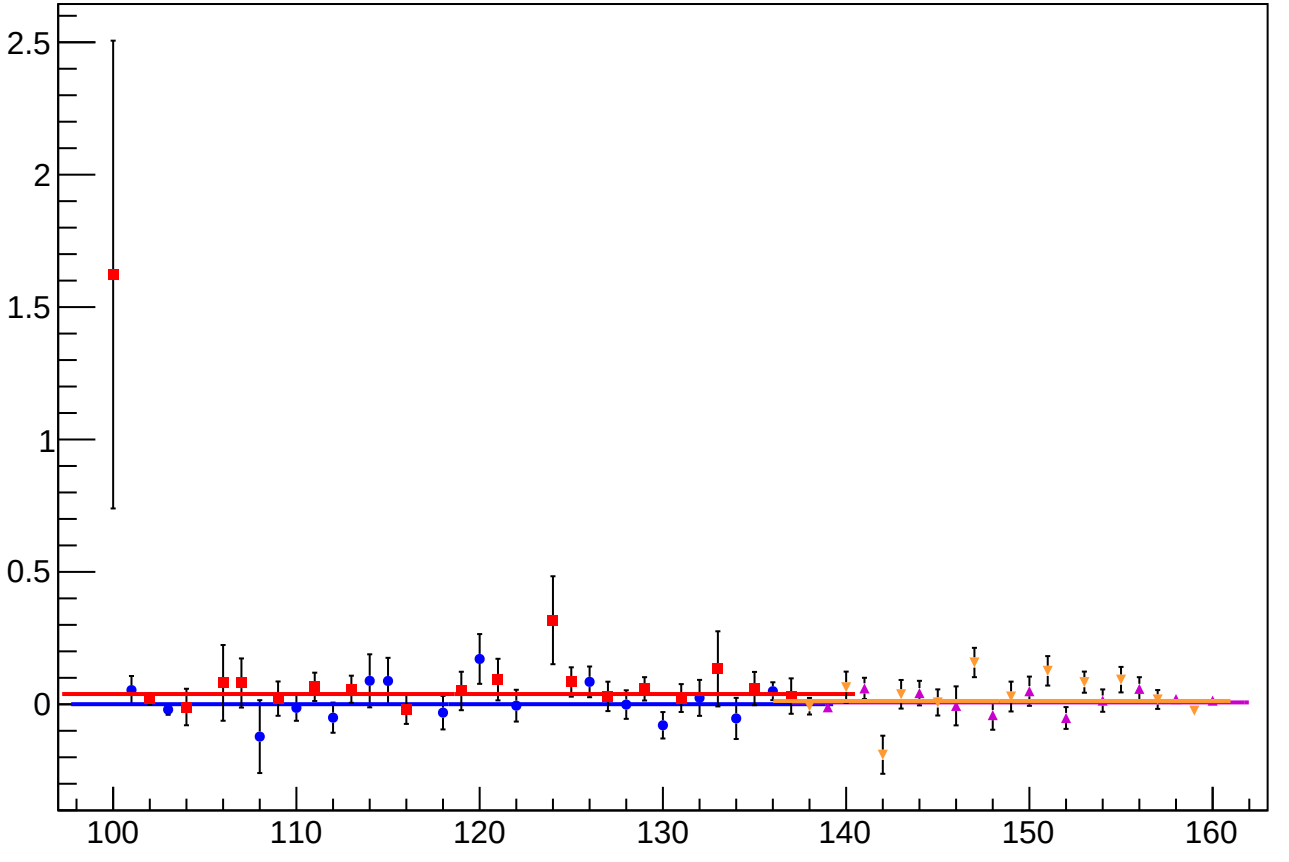
+ sign 0.000+/-0.000 χ^2/NDF: 49.7/27

All: 0.000+/-0.000 χ^2/NDF: 73.0/57

- sign 0.000+/-0.000 χ^2/NDF: 22.8/29


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 2146798.7/15
Left Out: 0.002+/-0.000 χ²/NDF:767053.4/11
Right Out: 0.001+/-0.000 χ²/NDF: 4323193.2/18
Left In: 0.002+/-0.000 χ²/NDF:704803.8/10
+ sign 0.002+/-0.000 χ²/NDF: 3164745.0/27
All: 0.002+/-0.000 χ²/NDF: 9389780.9/57
- sign 0.002+/-0.000 χ²/NDF: 5965415.8/29

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.013+/-0.011 χ^2/NDF:31.4/11

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

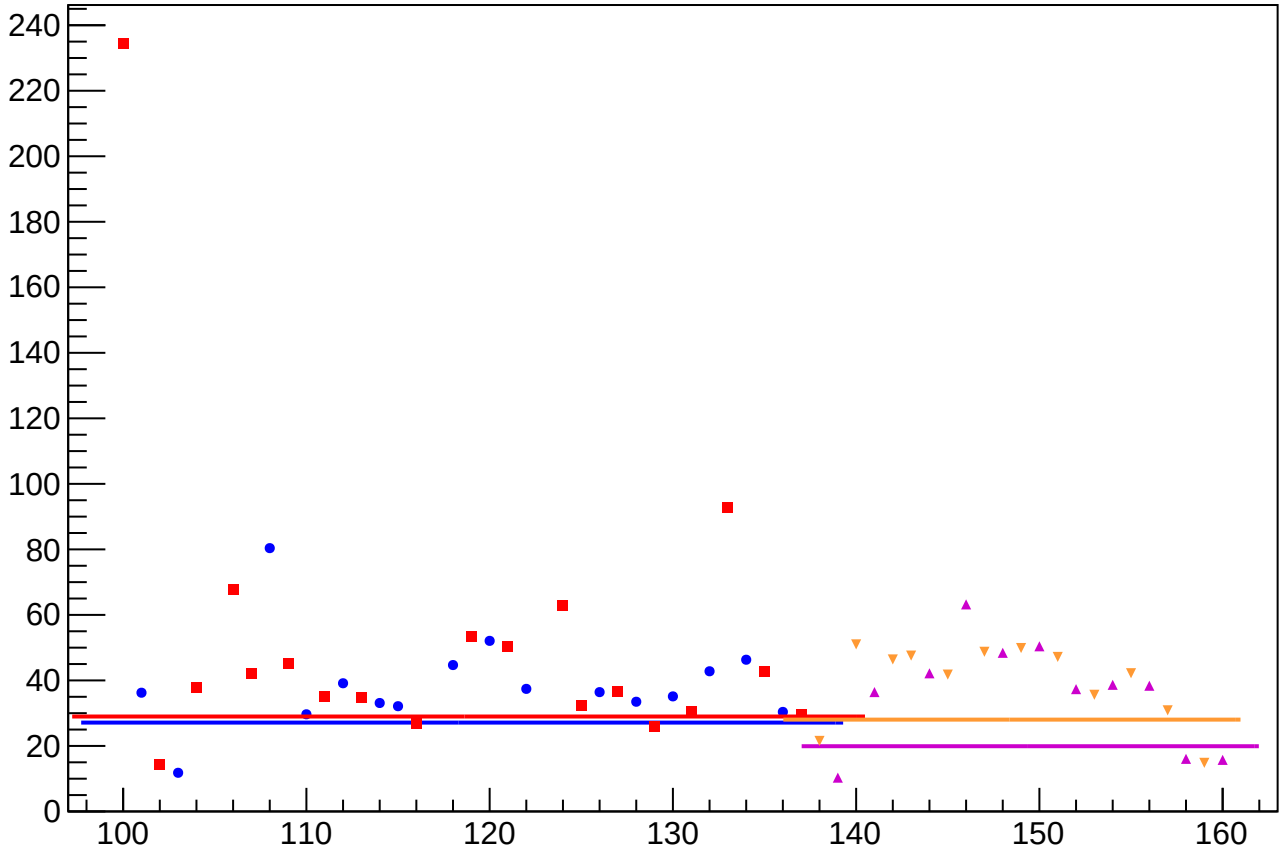
Left In: 0.007+/-0.008 χ^2/NDF:9.6/10

+ sign 0.007+/-0.008 χ^2/NDF: 48.5/27

All: 0.013+/-0.005 χ^2/NDF: 74.4/57

- 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: 28.033+/-0.008 χ^2/NDF:3296017.1/11

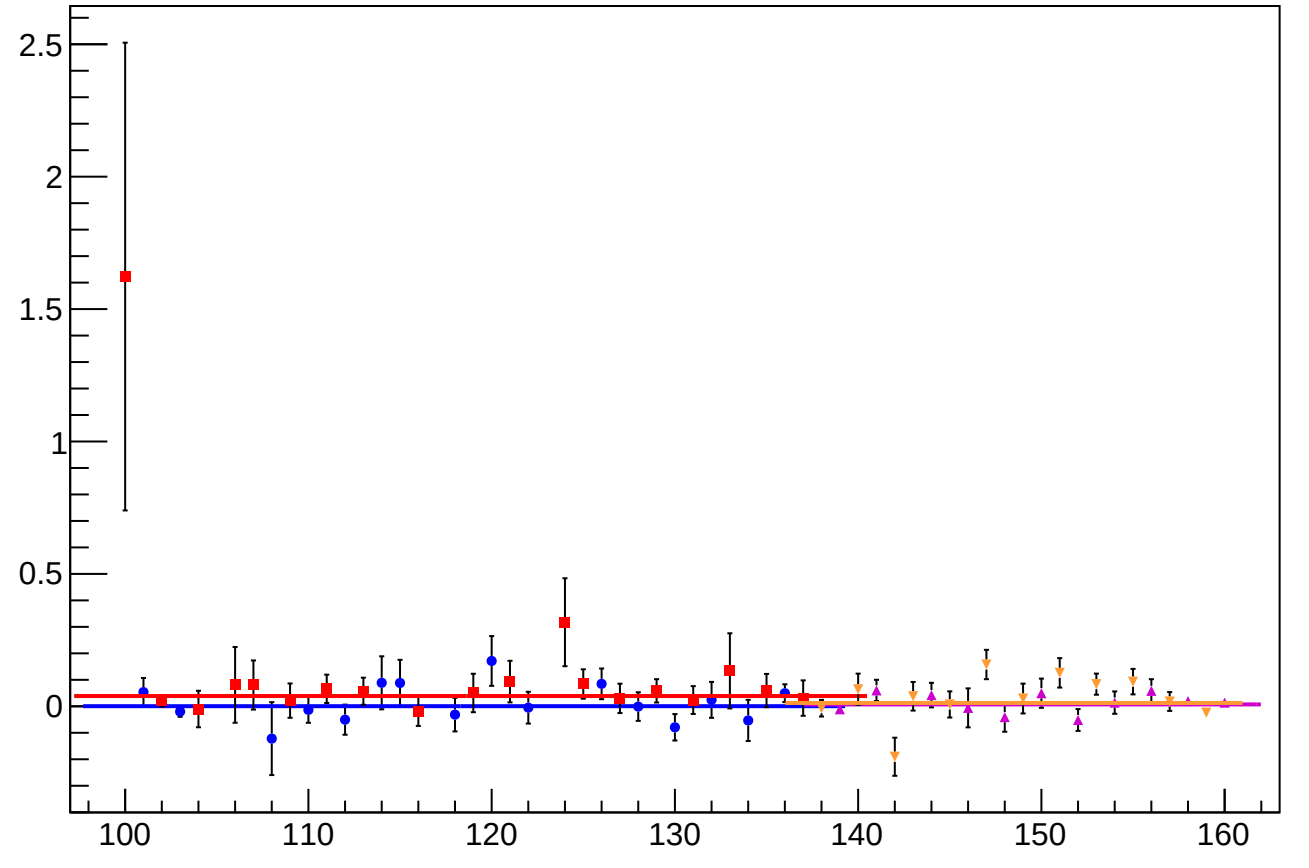
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 19.914+/-0.006 χ^2/NDF:4964784.6/10

+ sign 27.634+/-0.006 χ^2/NDF: 5718001.5/27

All: 24.673+/-0.004 χ^2/NDF: 14343668.8/57

- 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: 0.013+/-0.011 χ^2/NDF:31.4/11

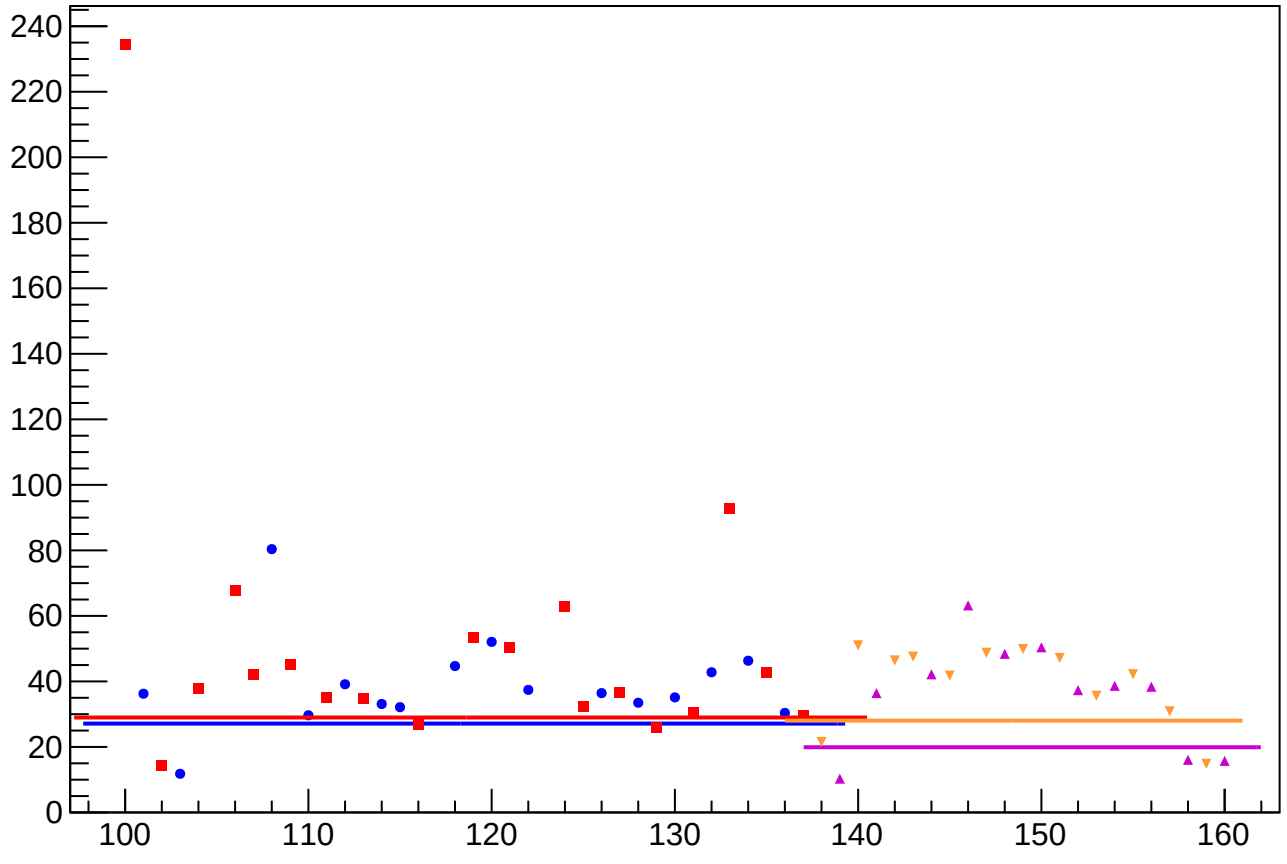
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.007+/-0.008 χ^2/NDF:9.6/10

+ sign 0.007+/-0.008 χ^2/NDF: 48.5/27

All: 0.013+/-0.005 χ^2/NDF: 74.4/57

- sign 0.016+/-0.007 χ^2/NDF: 25.2/29



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 28.033+/-0.008 χ^2/NDF:3296017.1/11

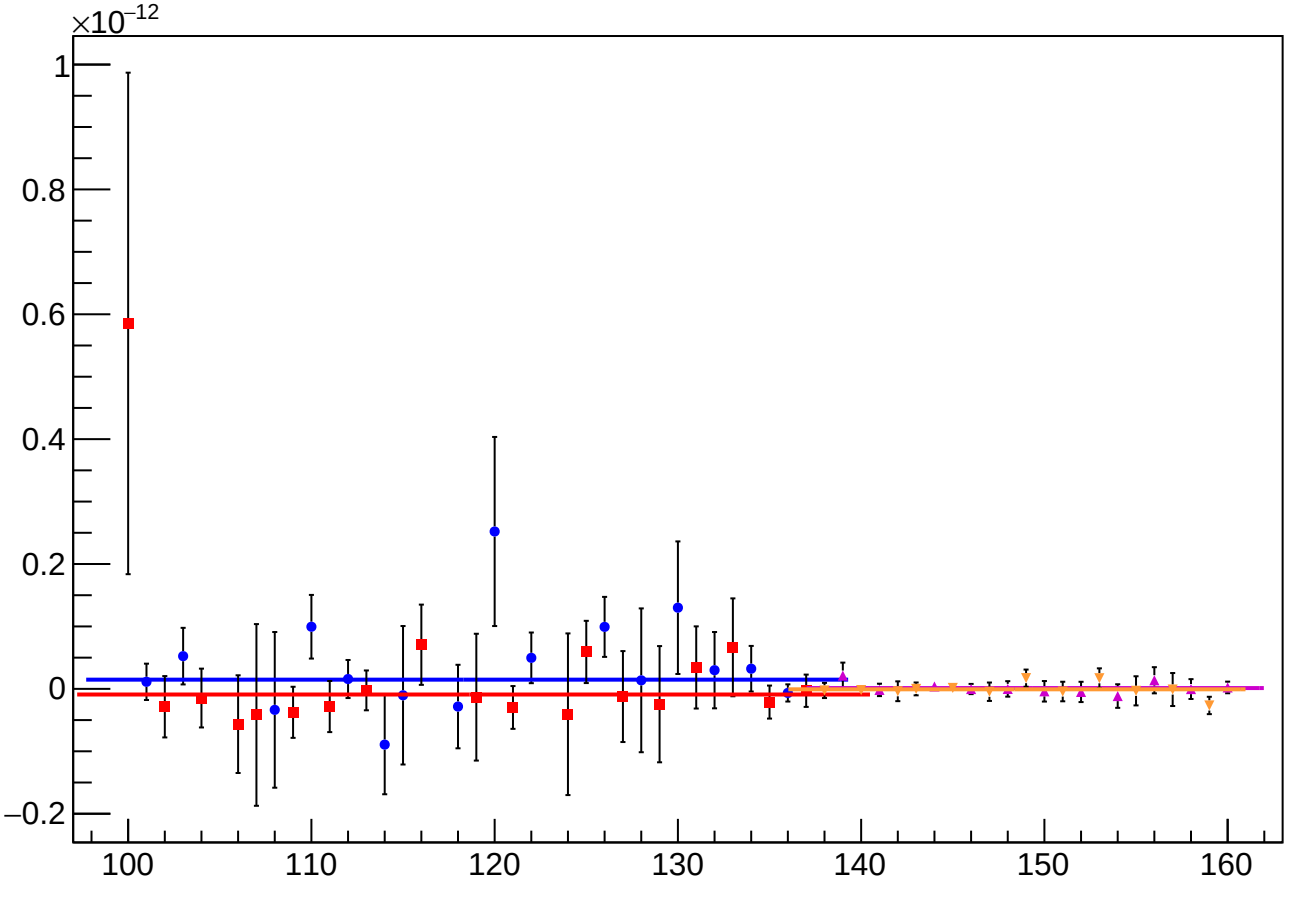
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 19.914+/-0.006 χ^2/NDF:4964784.6/10

+ sign 27.634+/-0.006 χ^2/NDF: 5718001.5/27

All: 24.673+/-0.004 χ^2/NDF: 14343668.8/57

- 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:6.8/11

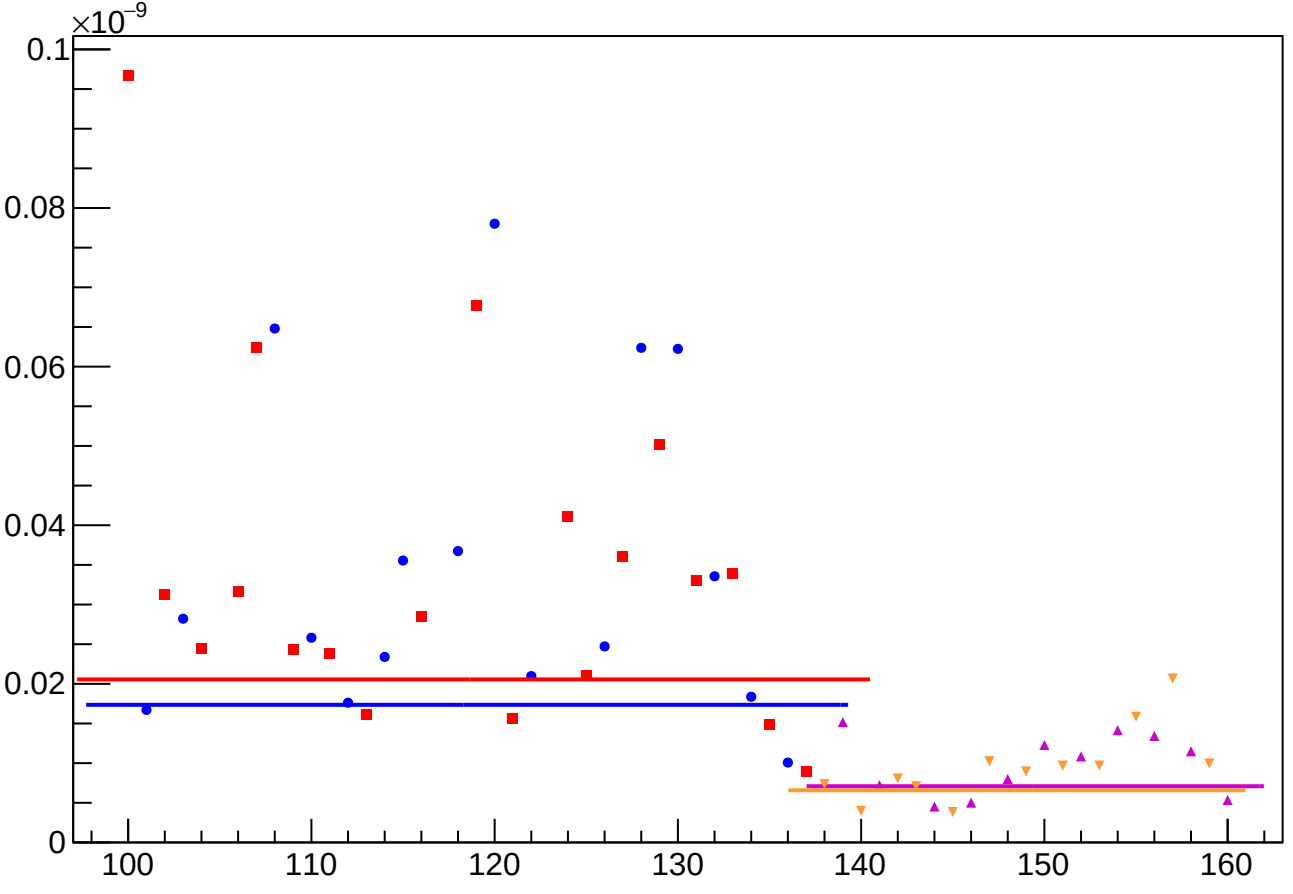
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 25.1/27

All: 0.000+/-0.000 χ^2/NDF: 37.3/57

- 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:2042747.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

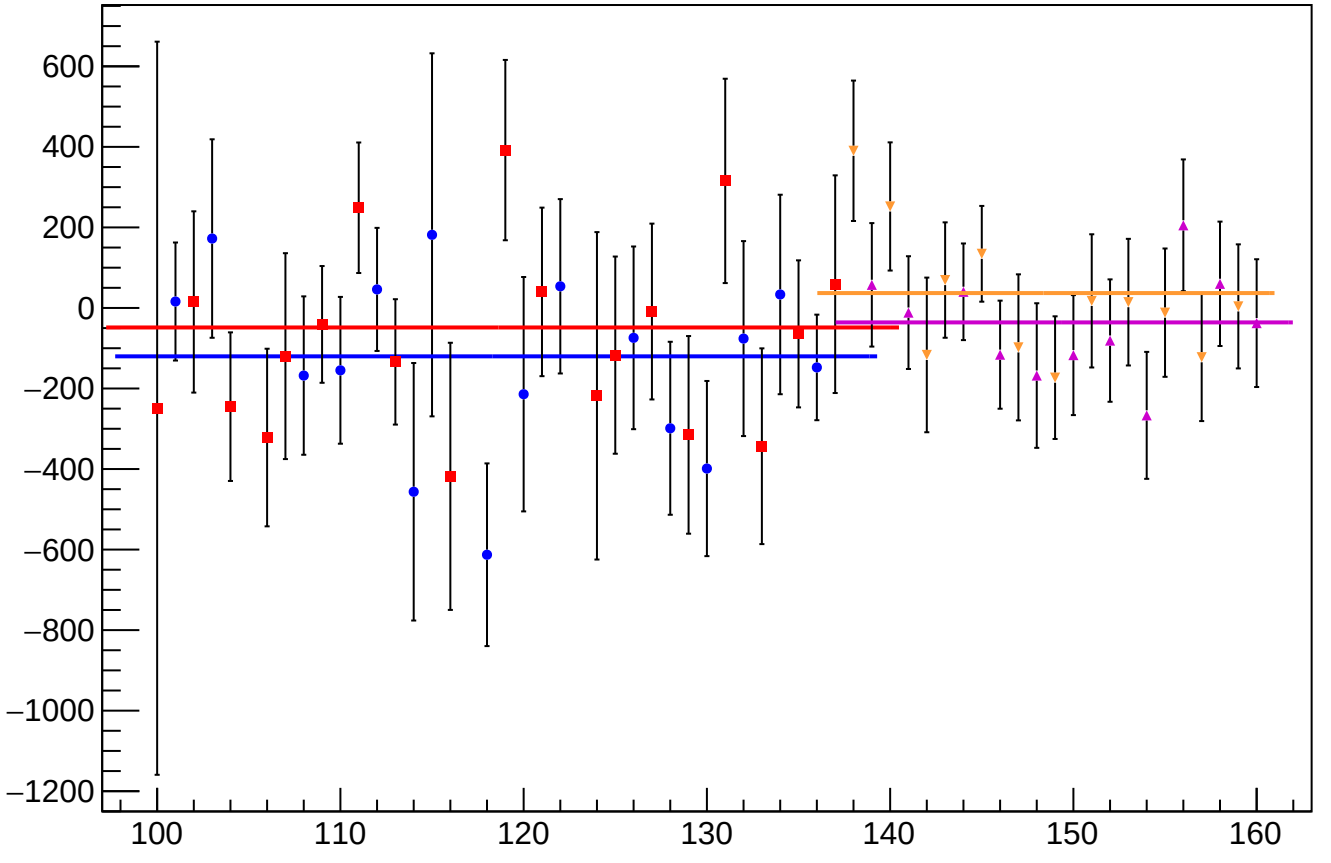
Left In: 0.000+/-0.000 χ^2/NDF:1743498.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 6806142.3/27

All: 0.000+/-0.000 χ^2/NDF: 13322840.4/57

- 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: 36.966+/-45.139 χ^2/NDF:10.9/11

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

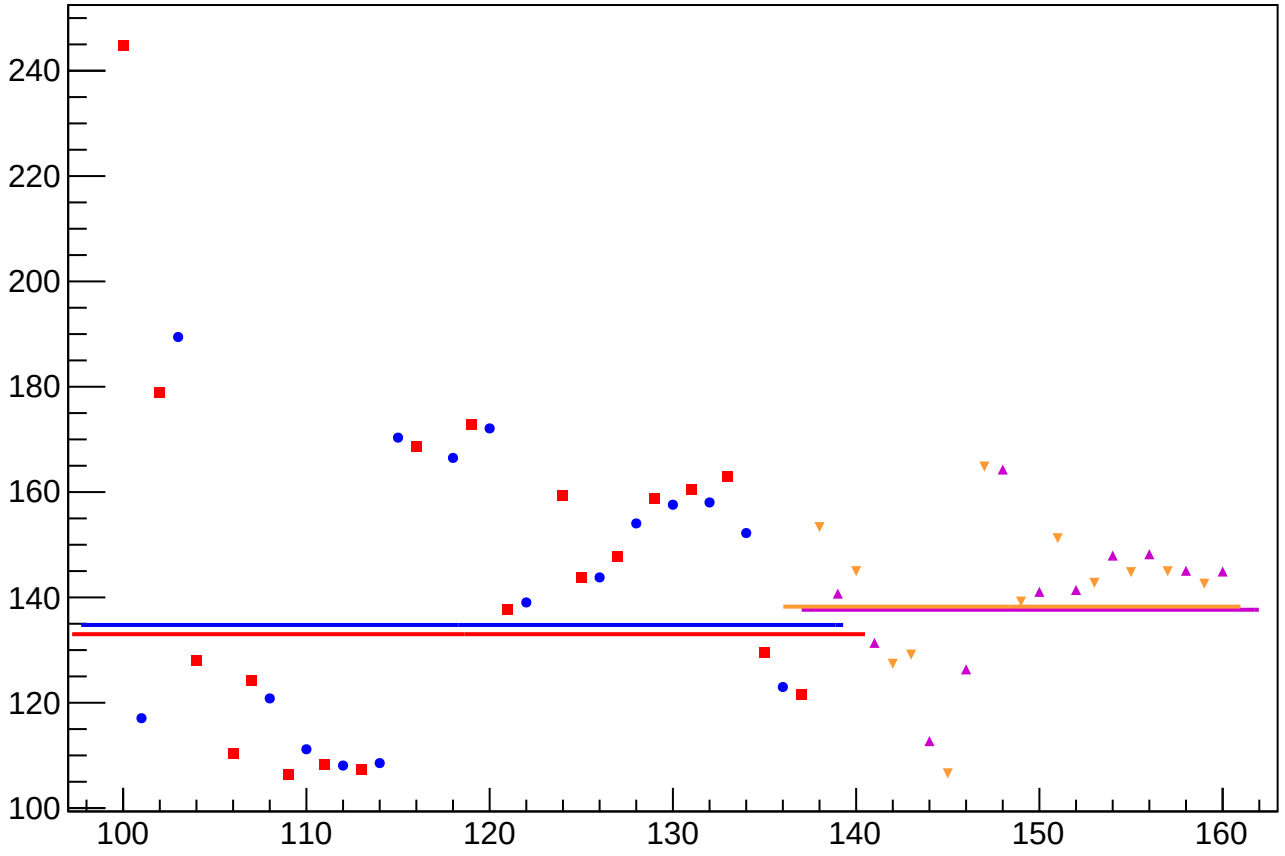
Left In: -35.891+/-44.847 χ^2/NDF:6.8/10

+ sign -31.897+/-33.831 χ^2/NDF: 29.7/27

All: -36.766+/-23.753 χ^2/NDF: 53.5/57

- 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: 138.251+/-0.032 χ^2/NDF:240471.9/11

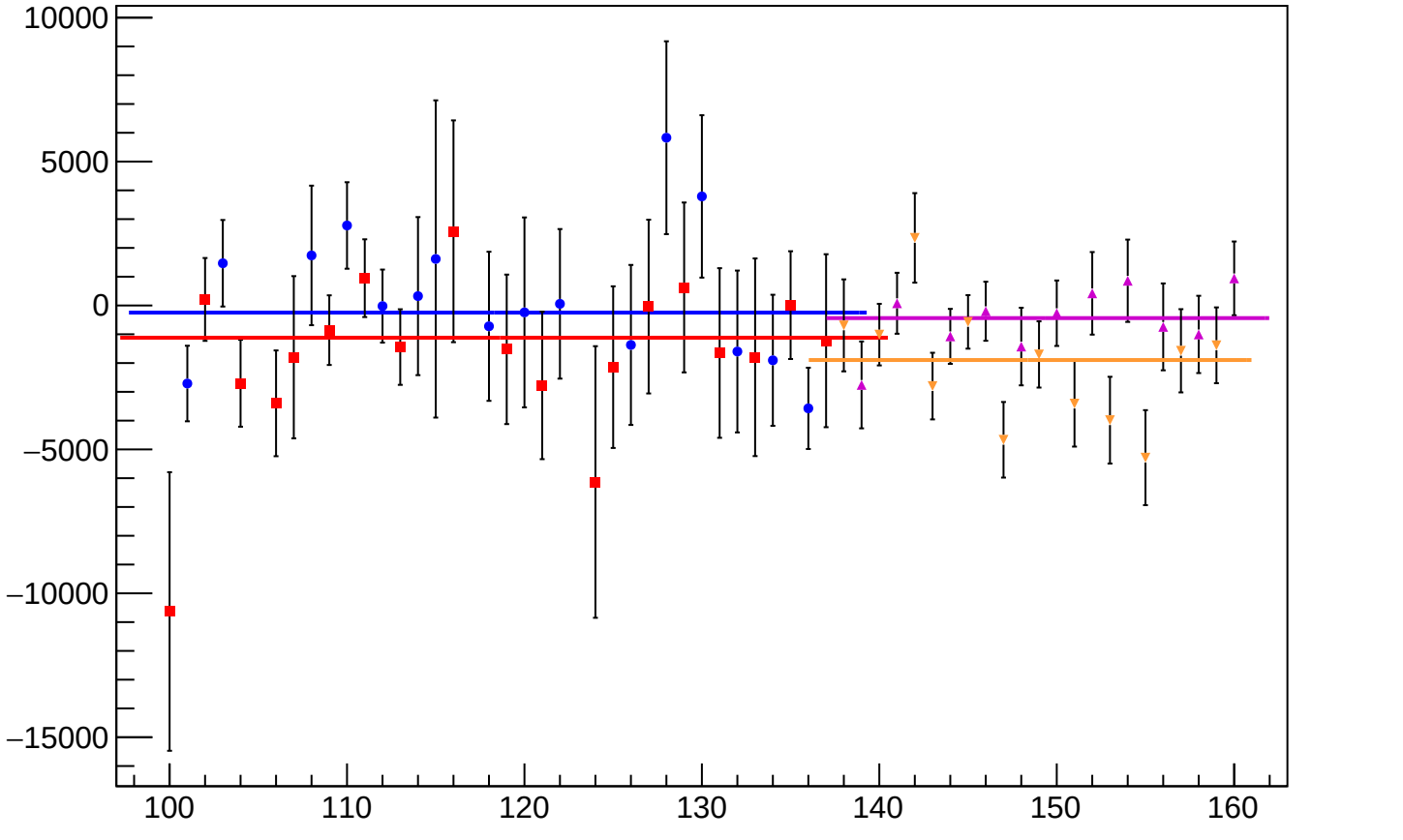
Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 137.657+/-0.032 χ^2/NDF:177302.3/10

+ sign 136.726+/-0.024 χ^2/NDF: 662461.1/27

All: 136.148+/-0.017 χ^2/NDF: 1346188.5/57

- sign 135.585+/-0.024 χ^2/NDF: 682574.4/29



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1894.965+/-371.938 χ^2/NDF:23.2/11

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

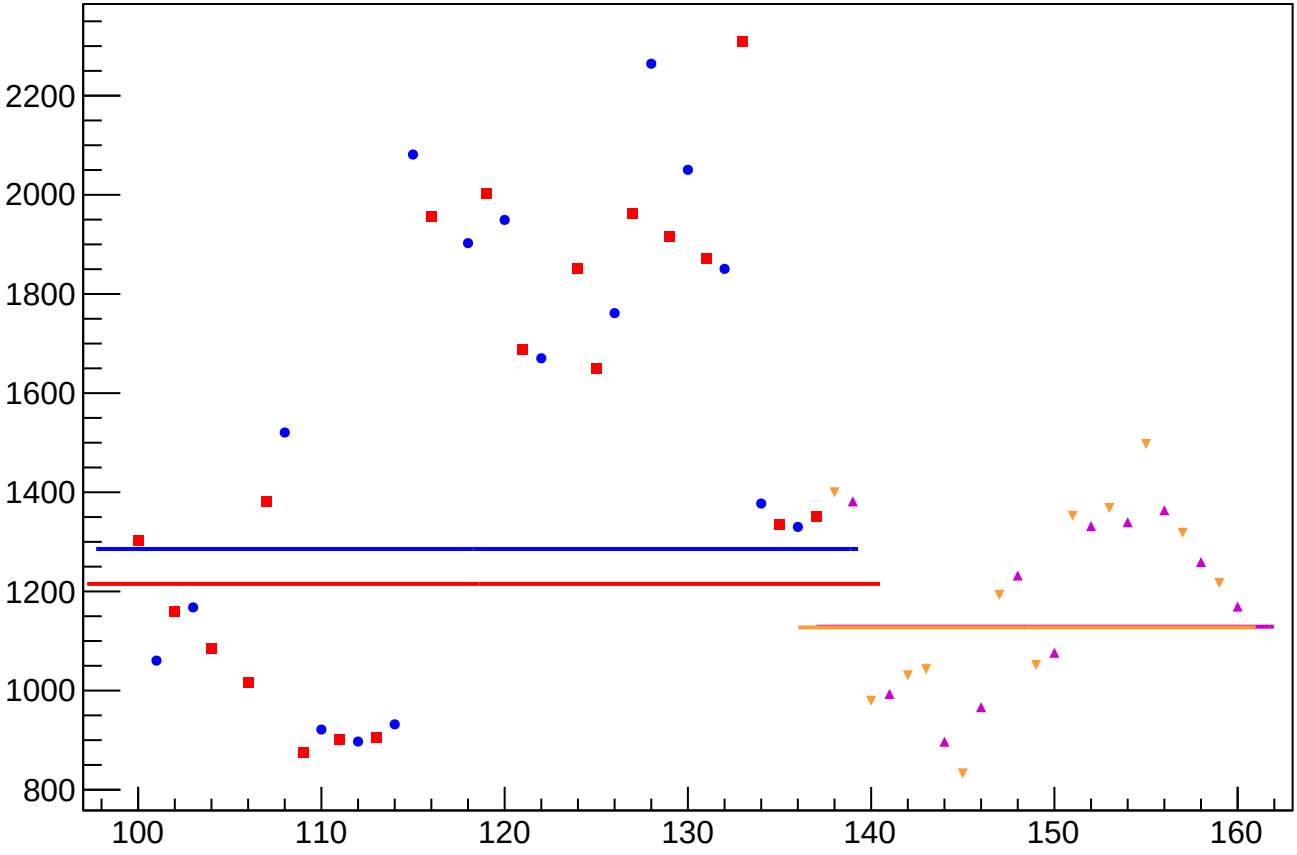
Left In: -437.974+/-370.625 χ^2/NDF:6.2/10

+ sign -1309.813+/-298.725 χ^2/NDF: 51.8/27

All: -996.728+/-208.315 χ^2/NDF: 74.8/57

- 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: 1127.434+/-0.263 χ^2/NDF:570503.8/11

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

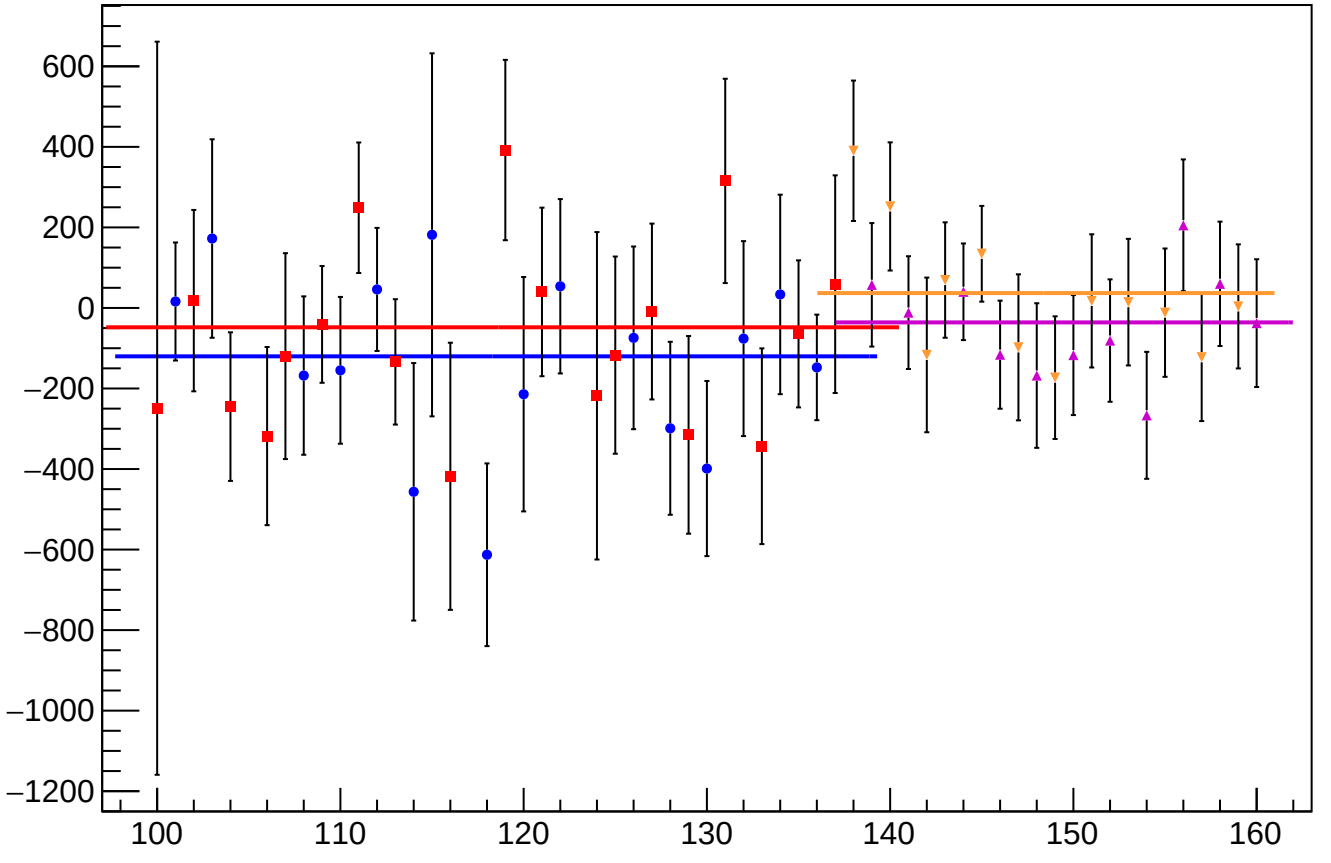
Left In: 1128.861+/-0.262 χ^2/NDF:425858.3/10

+ sign 1183.597+/-0.211 χ^2/NDF: 1869421.9/27

All: 1172.563+/-0.147 χ^2/NDF: 3728707.4/57

- 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: 36.968+/-45.139 χ^2/NDF:10.9/11

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

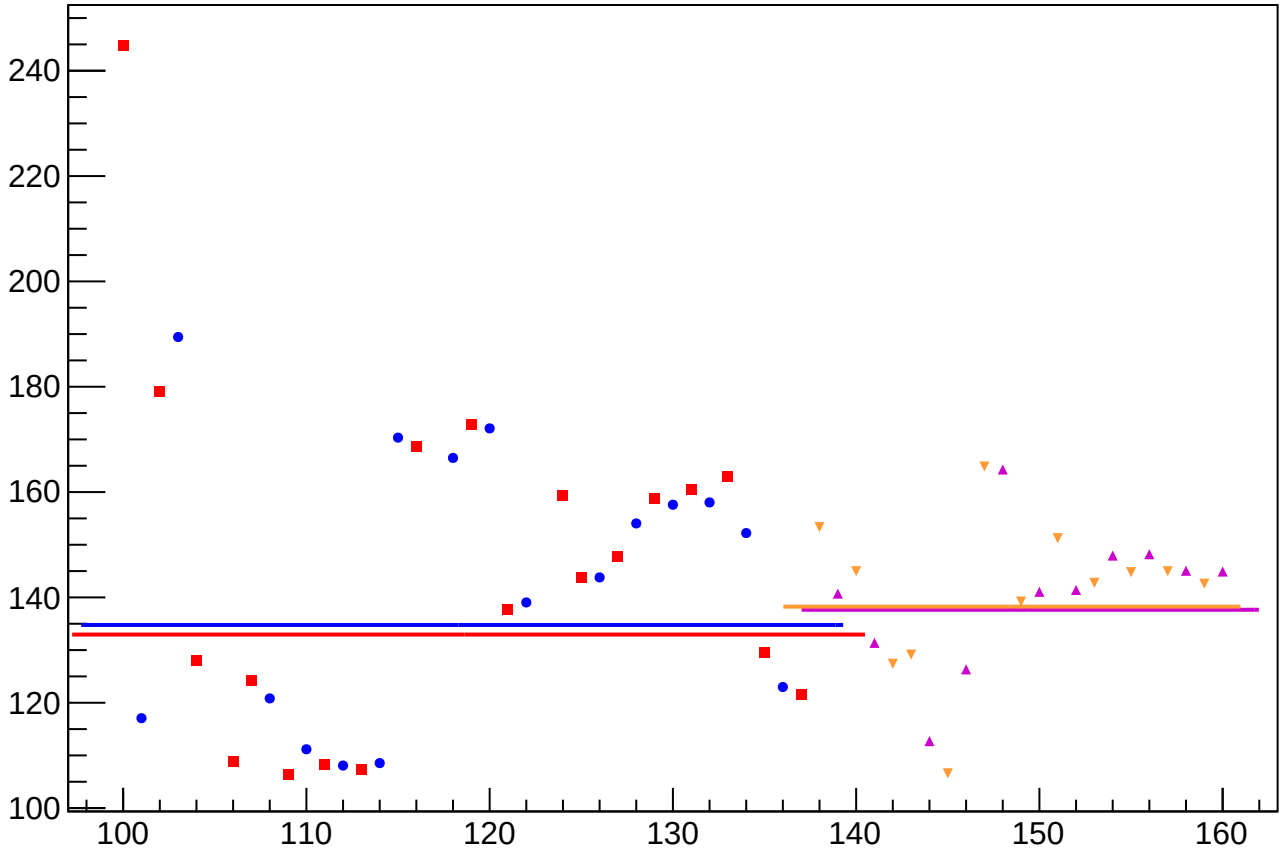
Left In: -35.896+/-44.847 χ^2/NDF:6.8/10

+ sign -31.900+/-33.831 χ^2/NDF: 29.7/27

All: -36.670+/-23.754 χ^2/NDF: 53.5/57

- 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: 138.251+/-0.032 χ^2/NDF:240471.9/11

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

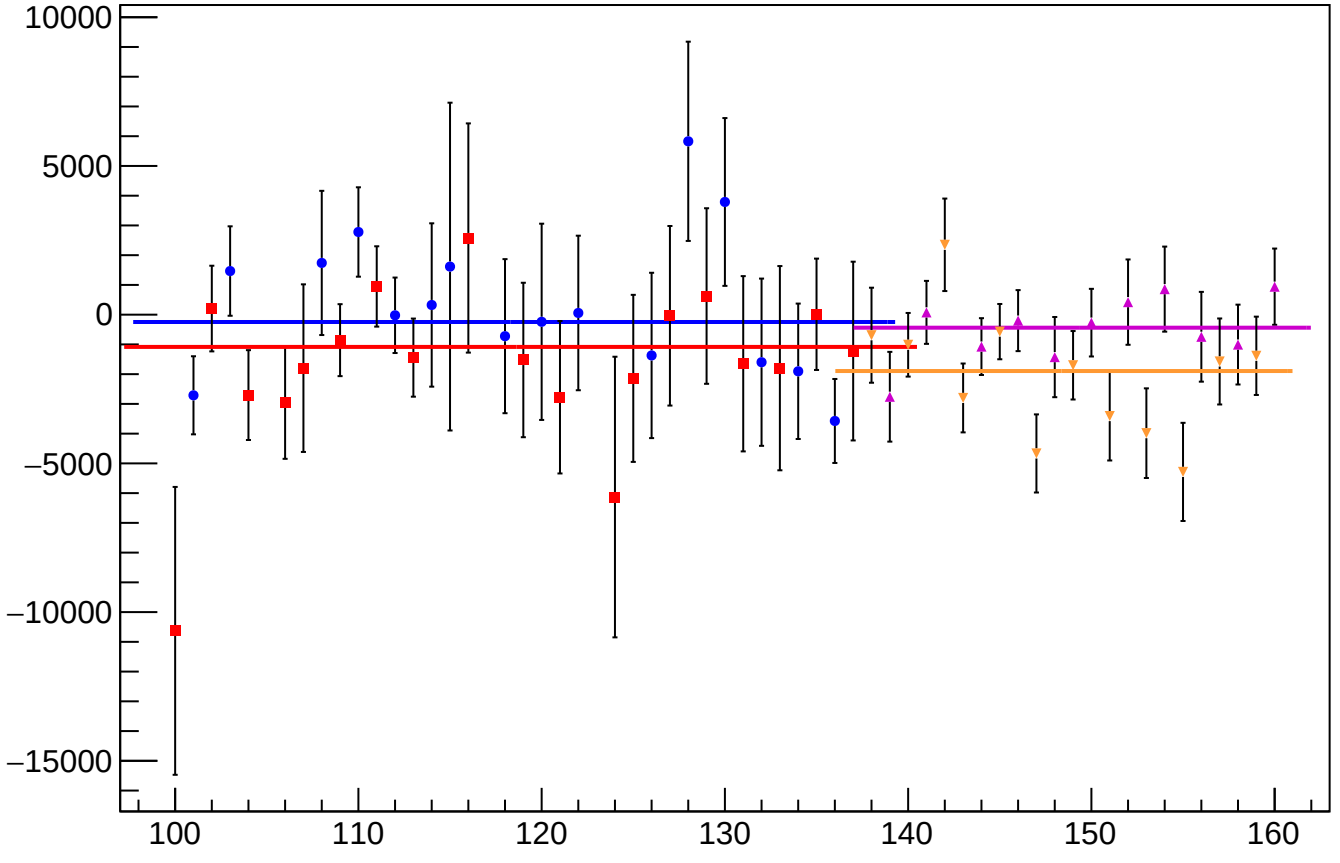
Left In: 137.657+/-0.032 χ^2/NDF:177302.3/10

\+ sign 136.726+/-0.024 χ^2/NDF: 662464.1/27

All: 136.132+/-0.017 χ^2/NDF: 1349689.0/57

\- 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: -1894.962+/-371.938 χ^2/NDF:23.2/11

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

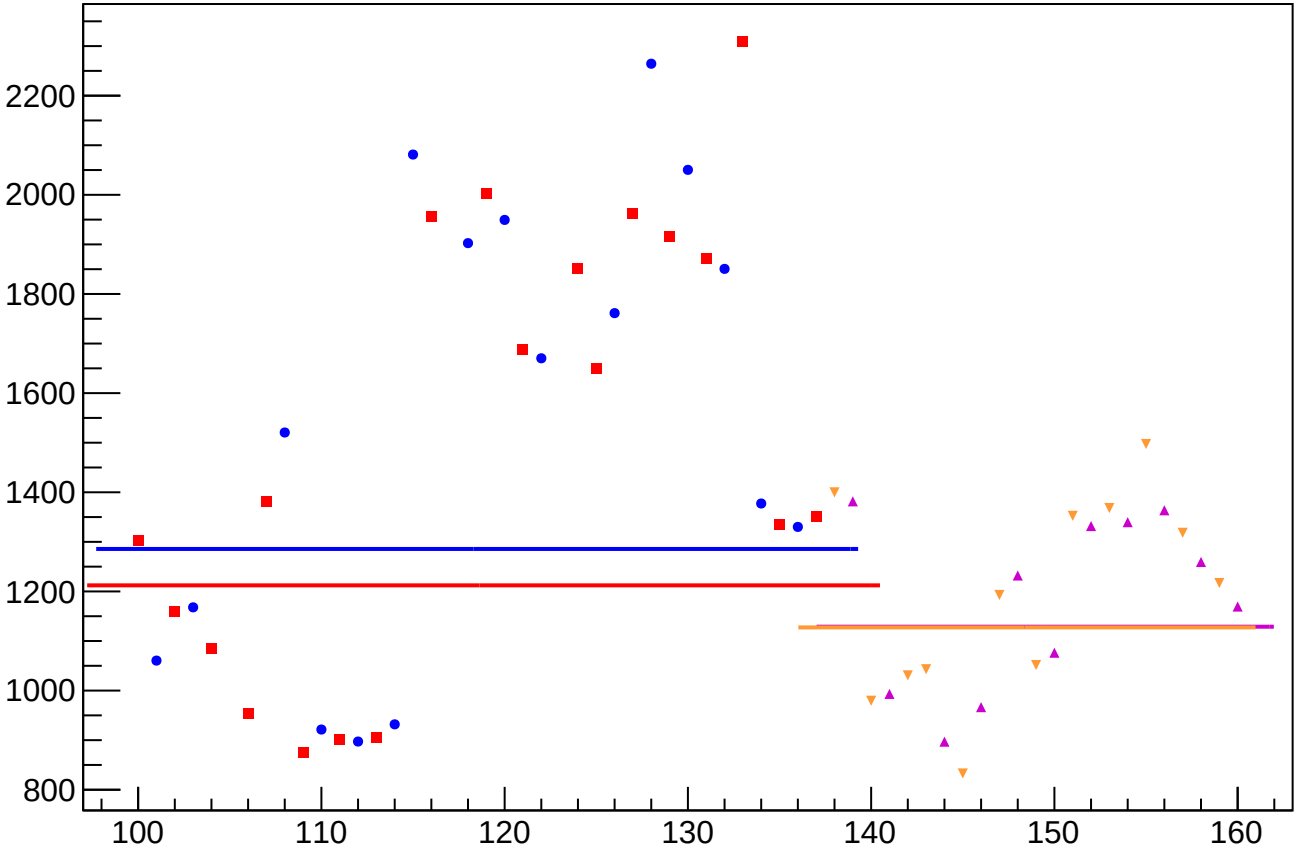
Left In: -437.986+/-370.625 χ^2/NDF:6.2/10

+ sign -1309.844+/-298.726 χ^2/NDF: 51.8/27

All: -989.685+/-208.396 χ^2/NDF: 74.2/57

- 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: 1127.434+/-0.263 χ^2/NDF:570506.3/11

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

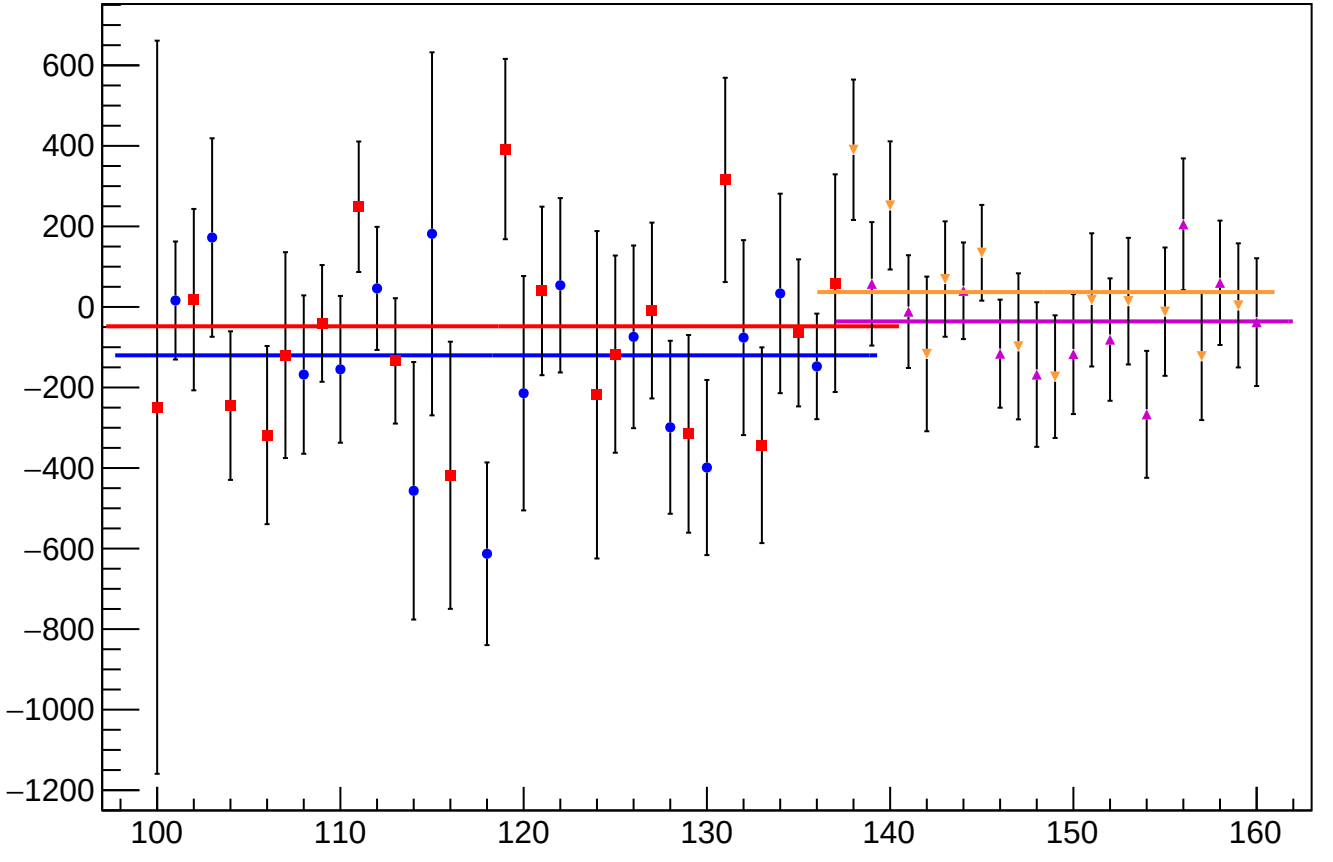
Left In: 1128.861+/-0.262 χ^2/NDF:425855.7/10

+ sign 1183.601+/-0.211 χ^2/NDF: 1869420.4/27

All: 1171.948+/-0.147 χ^2/NDF: 3740751.9/57

- 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: 36.968+/-45.139 χ^2/NDF:10.9/11

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

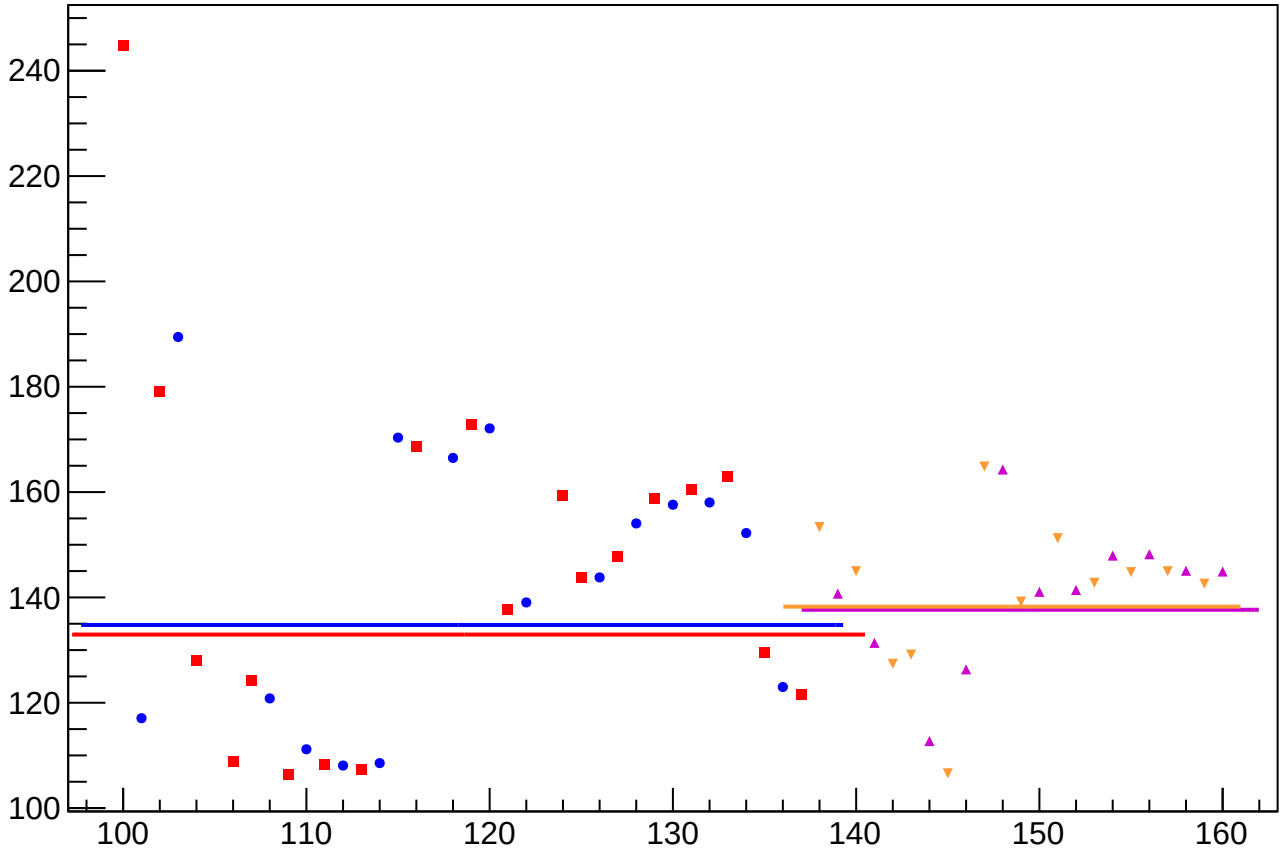
Left In: -35.896+/-44.847 χ^2/NDF:6.8/10

+ sign -31.900+/-33.831 χ^2/NDF: 29.7/27

All: -36.670+/-23.754 χ^2/NDF: 53.5/57

- 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: 138.251+/-0.032 χ^2/NDF:240471.9/11

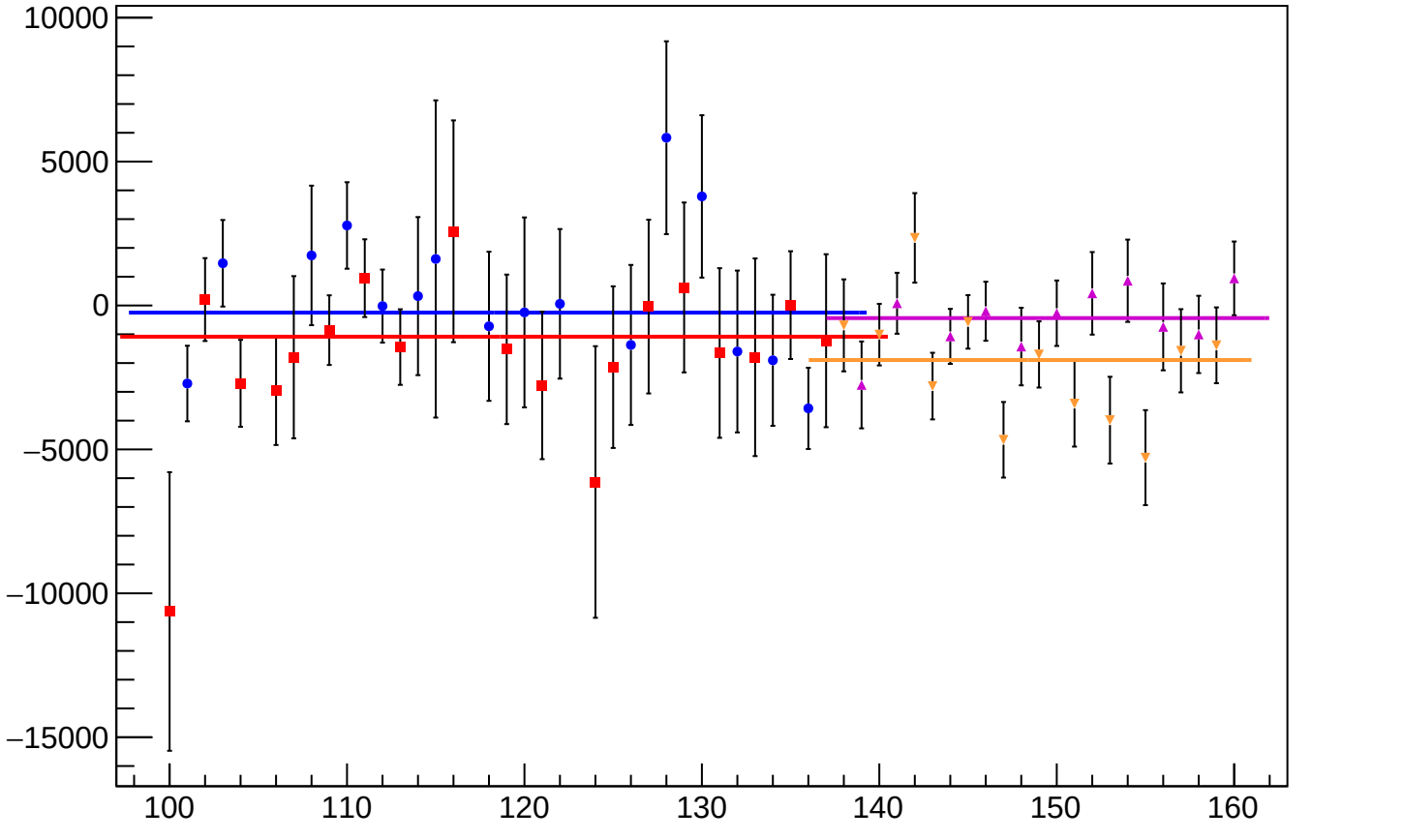
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 137.657+/-0.032 χ^2/NDF:177302.3/10

\+ sign 136.726+/-0.024 χ^2/NDF: 662464.1/27

All: 136.132+/-0.017 χ^2/NDF: 1349689.0/57

\- sign 135.553+/-0.024 χ^2/NDF: 686006.5/29



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1894.962+/-371.938 χ^2/NDF:23.2/11

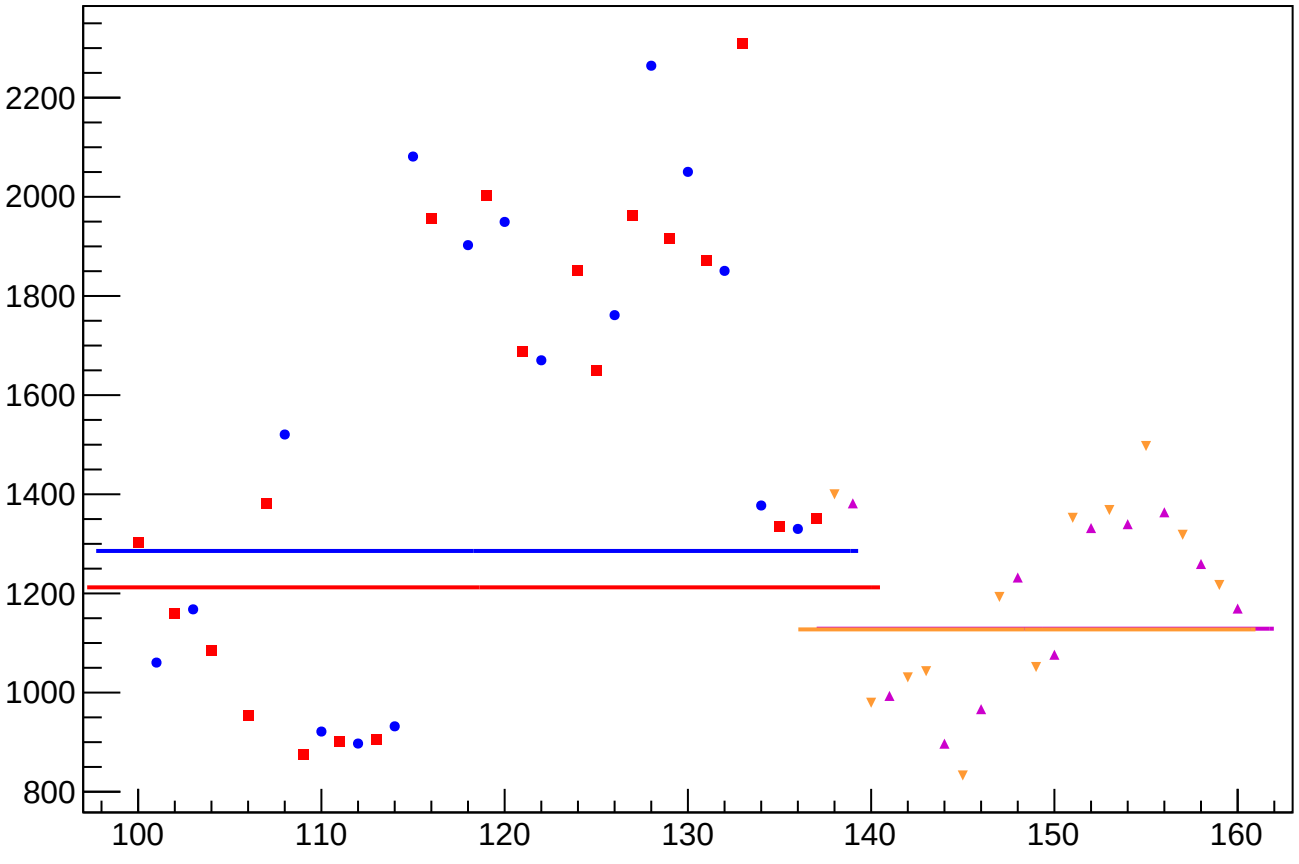
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -437.986+/-370.625 χ^2/NDF:6.2/10

+ sign -1309.844+/-298.726 χ^2/NDF: 51.8/27

All: -989.685+/-208.396 χ^2/NDF: 74.2/57

- 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: 1127.434+/-0.263 χ^2/NDF:570506.3/11

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

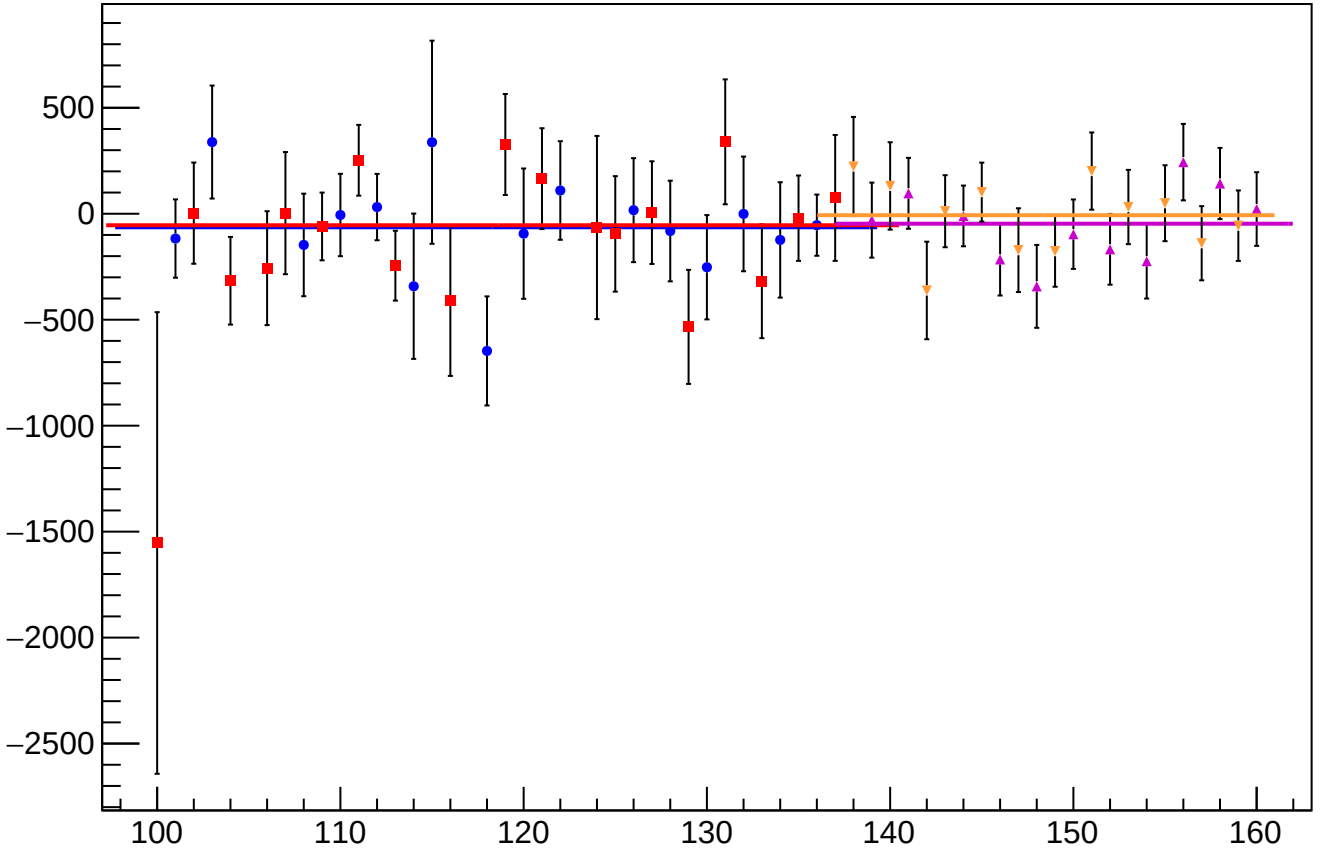
Left In: 1128.861+/-0.262 χ^2/NDF:425855.7/10

+ sign 1183.601+/-0.211 χ^2/NDF: 1869420.4/27

All: 1171.948+/-0.147 χ^2/NDF: 3740751.9/57

- 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: -6.925+/-51.936 χ^2/NDF:8.3/11

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

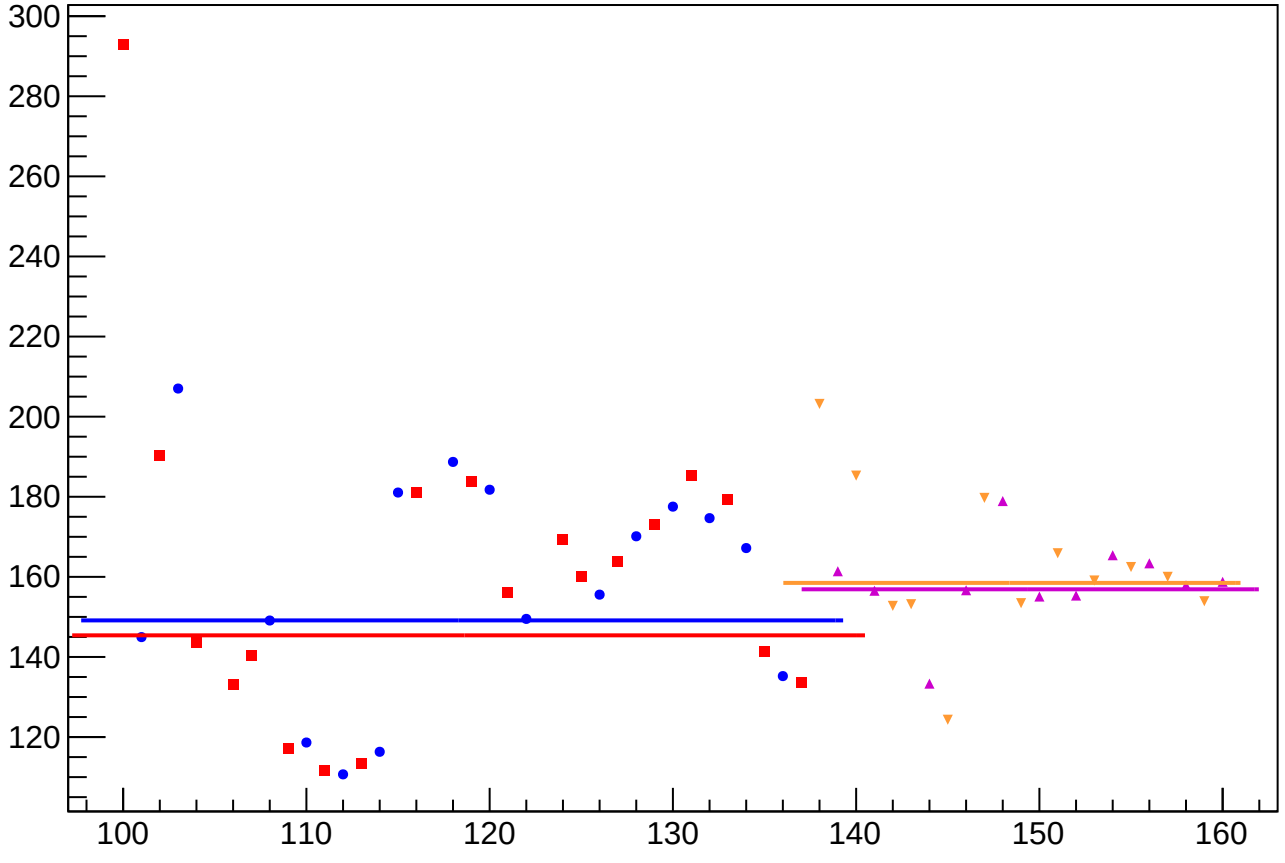
Left In: -46.965+/-51.201 χ^2/NDF:9.7/10

+ sign -32.848+/-38.308 χ^2/NDF: 19.6/27

All: -41.831+/-26.759 χ^2/NDF: 49.0/57

- 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: 158.494+/-0.037 χ^2/NDF:261471.1/11

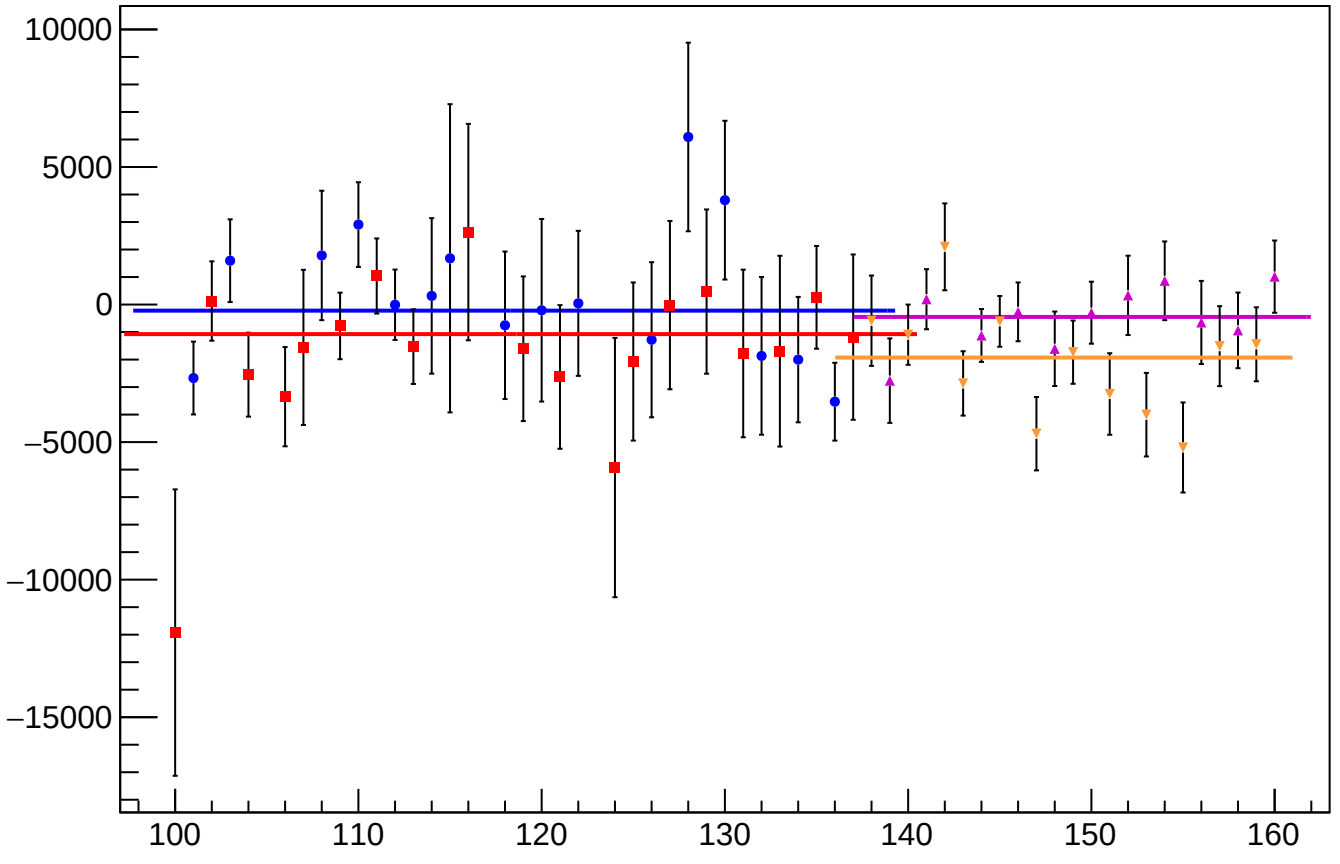
Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 156.892+/-0.036 χ^2/NDF:88721.4/10

+ sign 154.225+/-0.027 χ^2/NDF: 742114.9/27

All: 152.844+/-0.019 χ^2/NDF: 1408743.2/57

- 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: -1927.438+/-374.842 χ^2/NDF:21.6/11

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

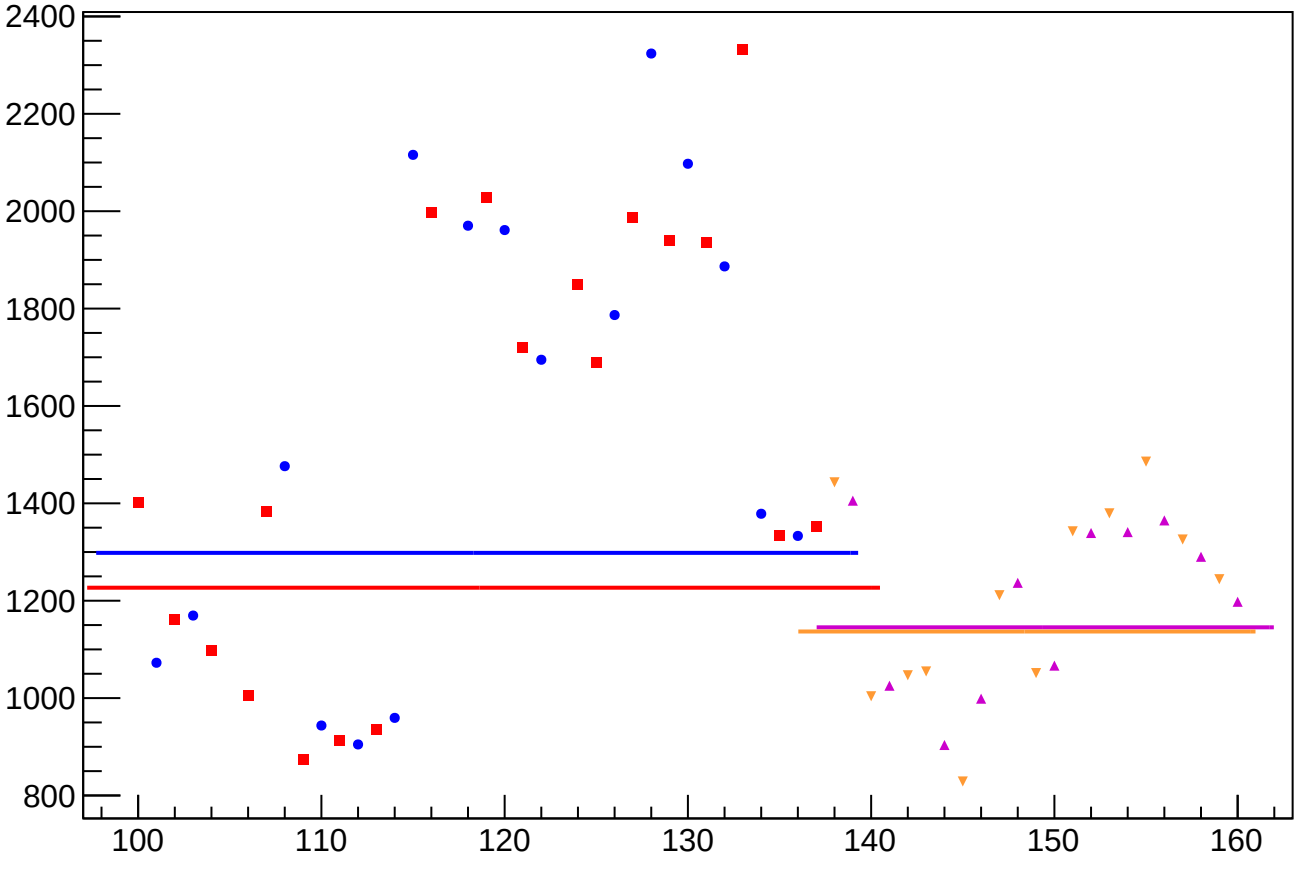
Left In: -449.804+/-375.981 χ^2/NDF:6.4/10

+ sign -1323.193+/-301.242 χ^2/NDF: 50.8/27

All: -1000.103+/-210.506 χ^2/NDF: 74.2/57

- 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: 1136.788+/-0.265 χ^2/NDF:582635.4/11

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

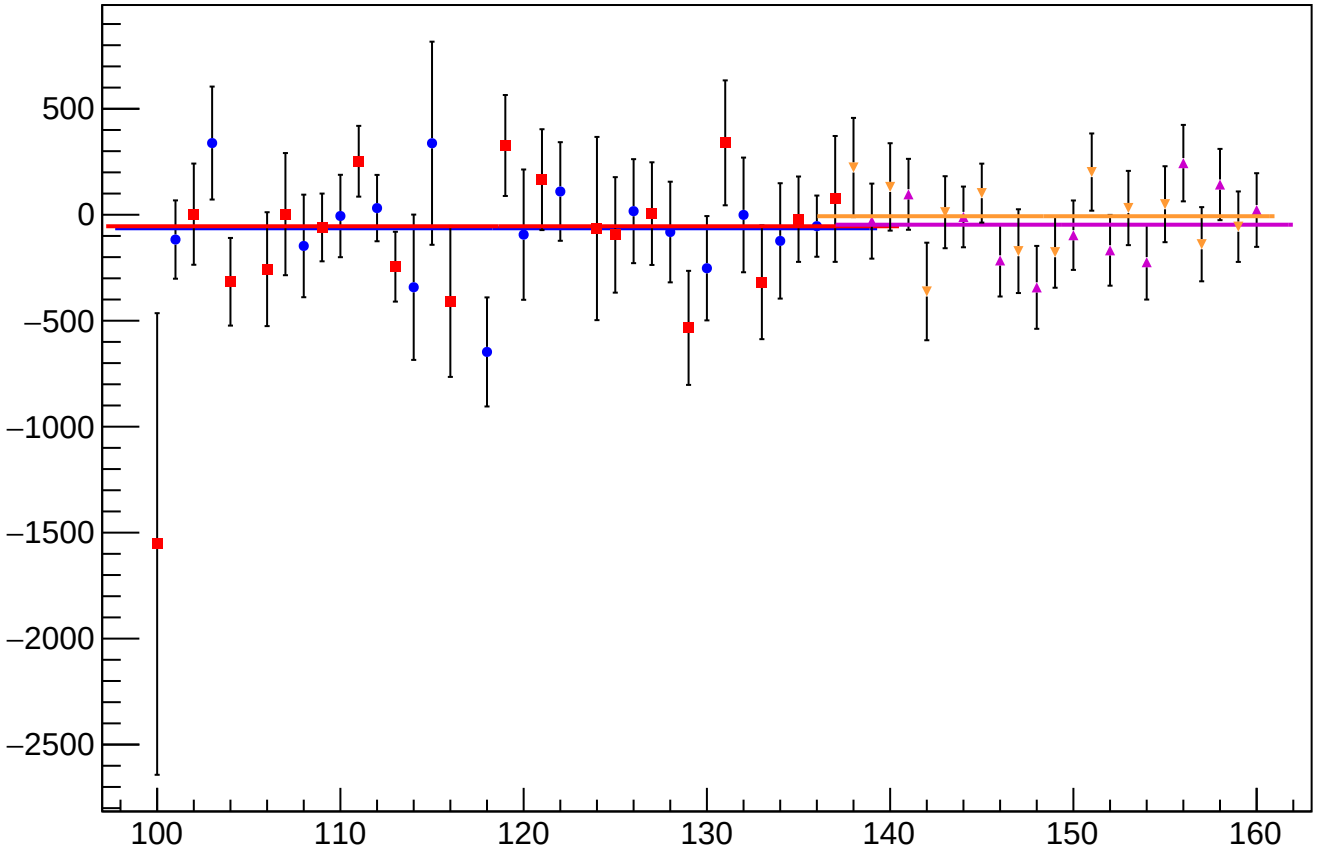
Left In: 1145.364+/-0.266 χ^2/NDF:405690.1/10

+ sign 1193.985+/-0.213 χ^2/NDF: 1896247.2/27

All: 1185.234+/-0.149 χ^2/NDF: 3746040.1/57

- 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: -6.923+/-51.936 χ^2/NDF:8.3/11

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

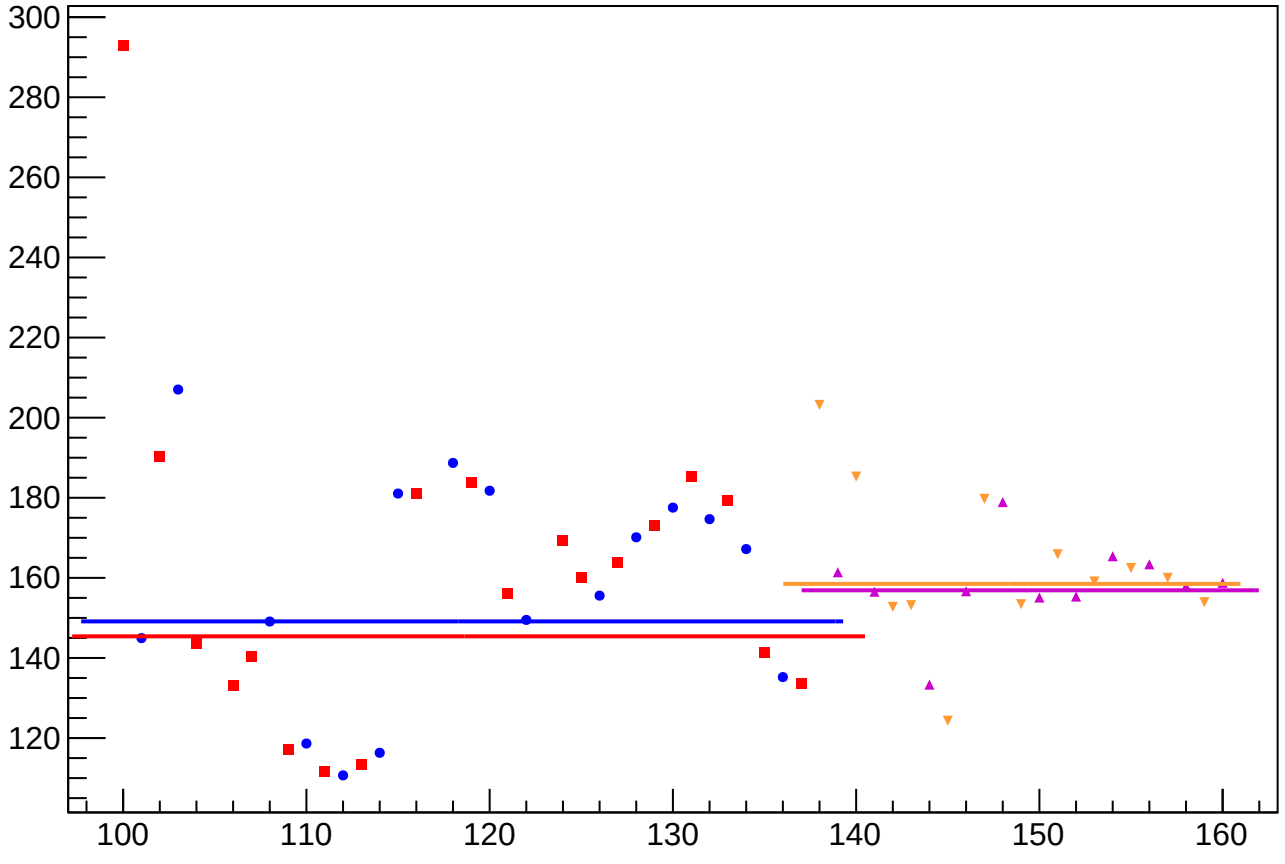
Left In: -46.965+/-51.202 χ^2/NDF:9.7/10

+ sign -32.845+/-38.308 χ^2/NDF: 19.6/27

All: -41.829+/-26.759 χ^2/NDF: 49.0/57

- 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: 158.494+/-0.037 χ^2/NDF:261465.3/11

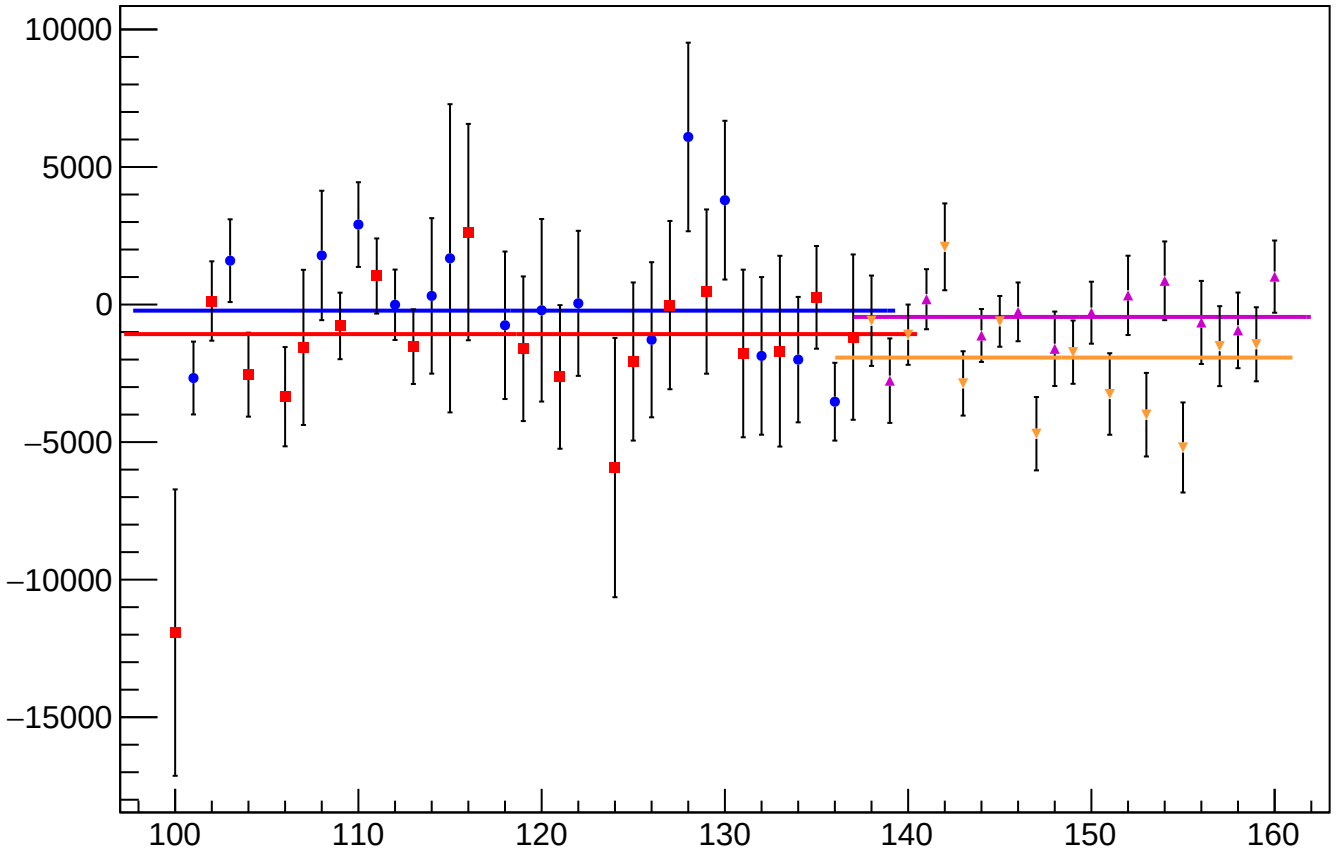
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 156.892+/-0.036 χ^2/NDF:88719.8/10

+ sign 154.225+/-0.027 χ^2/NDF: 742113.1/27

All: 152.845+/-0.019 χ^2/NDF: 1408745.5/57

- sign 151.529+/-0.026 χ^2/NDF: 661561.3/29



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1927.434+/-374.842 χ^2/NDF:21.6/11

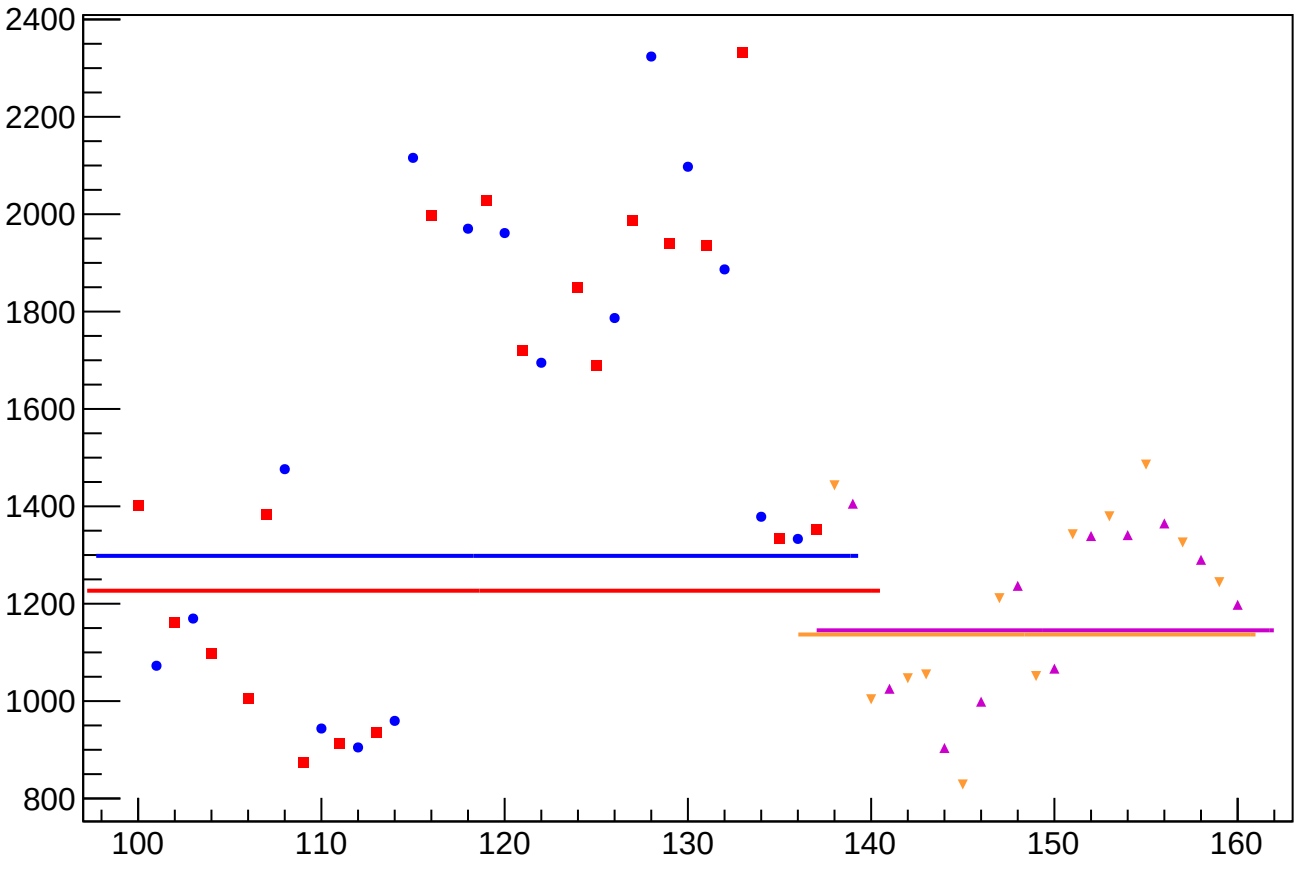
Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: -449.803+/-375.981 χ^2/NDF:6.4/10

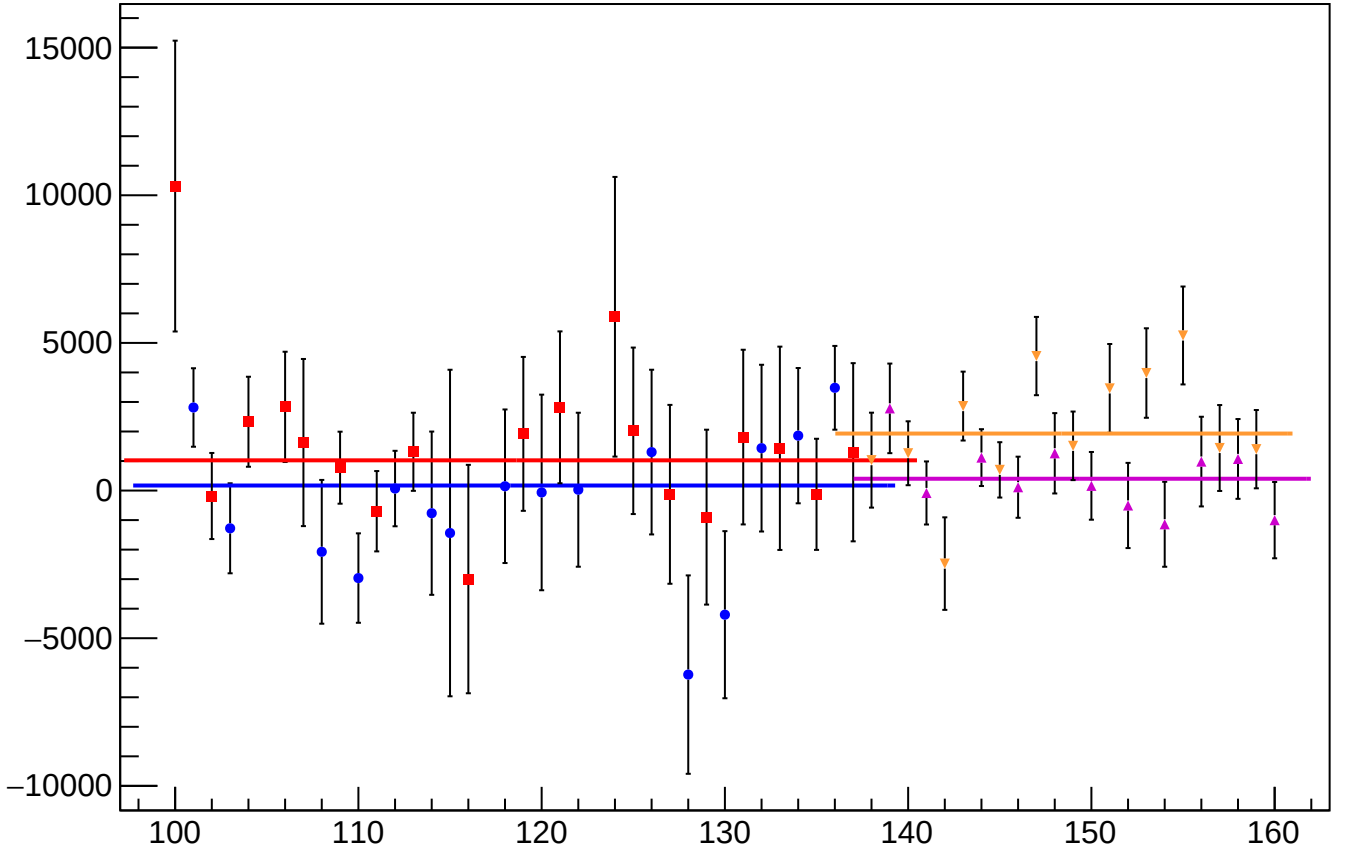
+ sign -1323.191+/-301.241 χ^2/NDF: 50.8/27

All: -1000.102+/-210.505 χ^2/NDF: 74.2/57

- sign -691.772+/-294.280 χ^2/NDF: 21.1/29


asym_sam_48_avg_eigen_dit_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1298.292+/-0.358 χ²/NDF: 1182127.2/15
Left Out: 1136.787+/-0.265 χ²/NDF:582638.0/11
Right Out: 1226.727+/-0.334 χ²/NDF: 1404524.7/18
Left In: 1145.363+/-0.266 χ²/NDF:405688.6/10
+ sign 1193.983+/-0.213 χ²/NDF: 1896254.5/27
All: 1185.233+/-0.149 χ²/NDF: 3746048.6/57
- sign 1176.882+/-0.208 χ²/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: 1930.739+/-374.872 χ^2/NDF:22.2/11

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

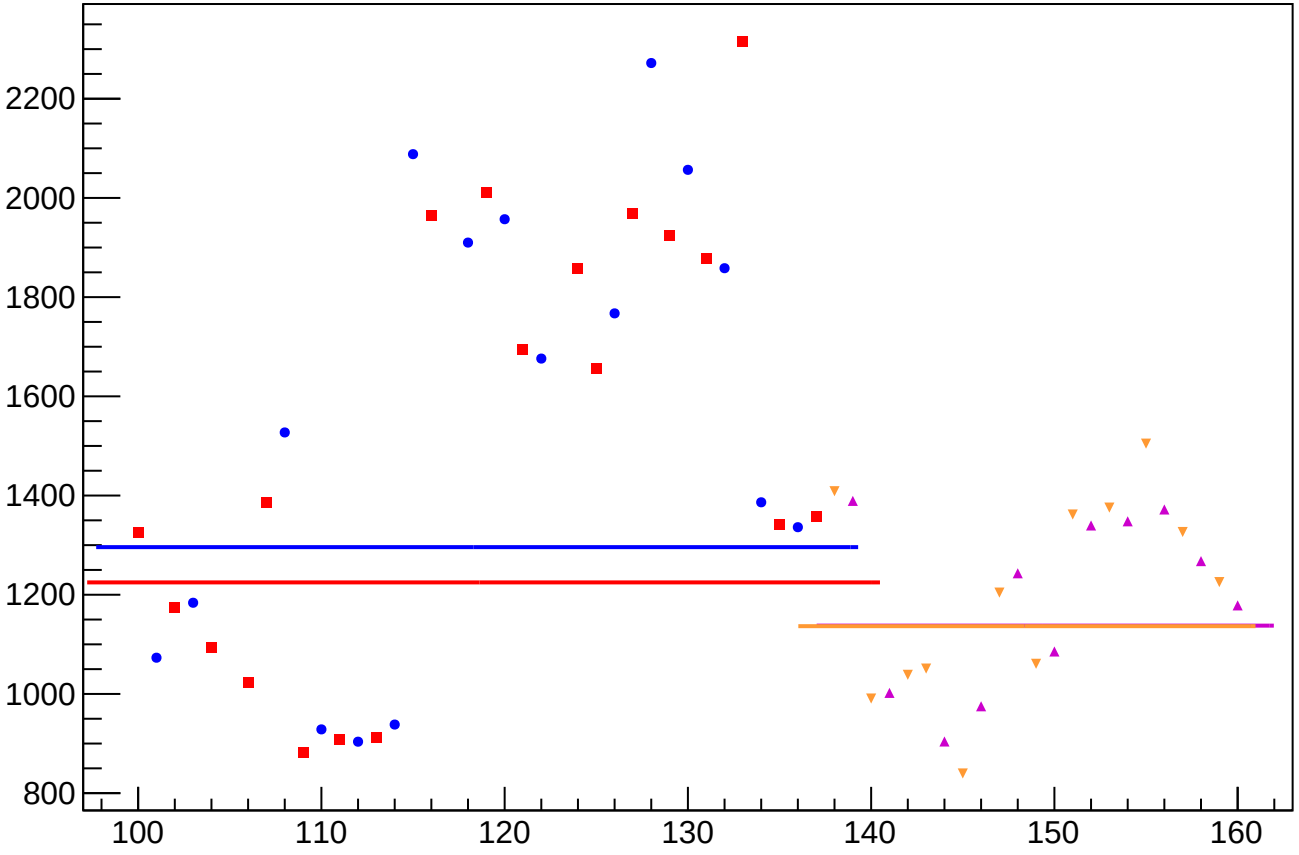
Left In: 400.173+/-373.465 χ^2/NDF:6.9/10

+ sign 1305.790+/-301.032 χ^2/NDF: 52.6/27

All: 963.875+/-209.919 χ^2/NDF: 74.6/57

- 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: 1136.625+/-0.265 χ^2/NDF:563030.4/11

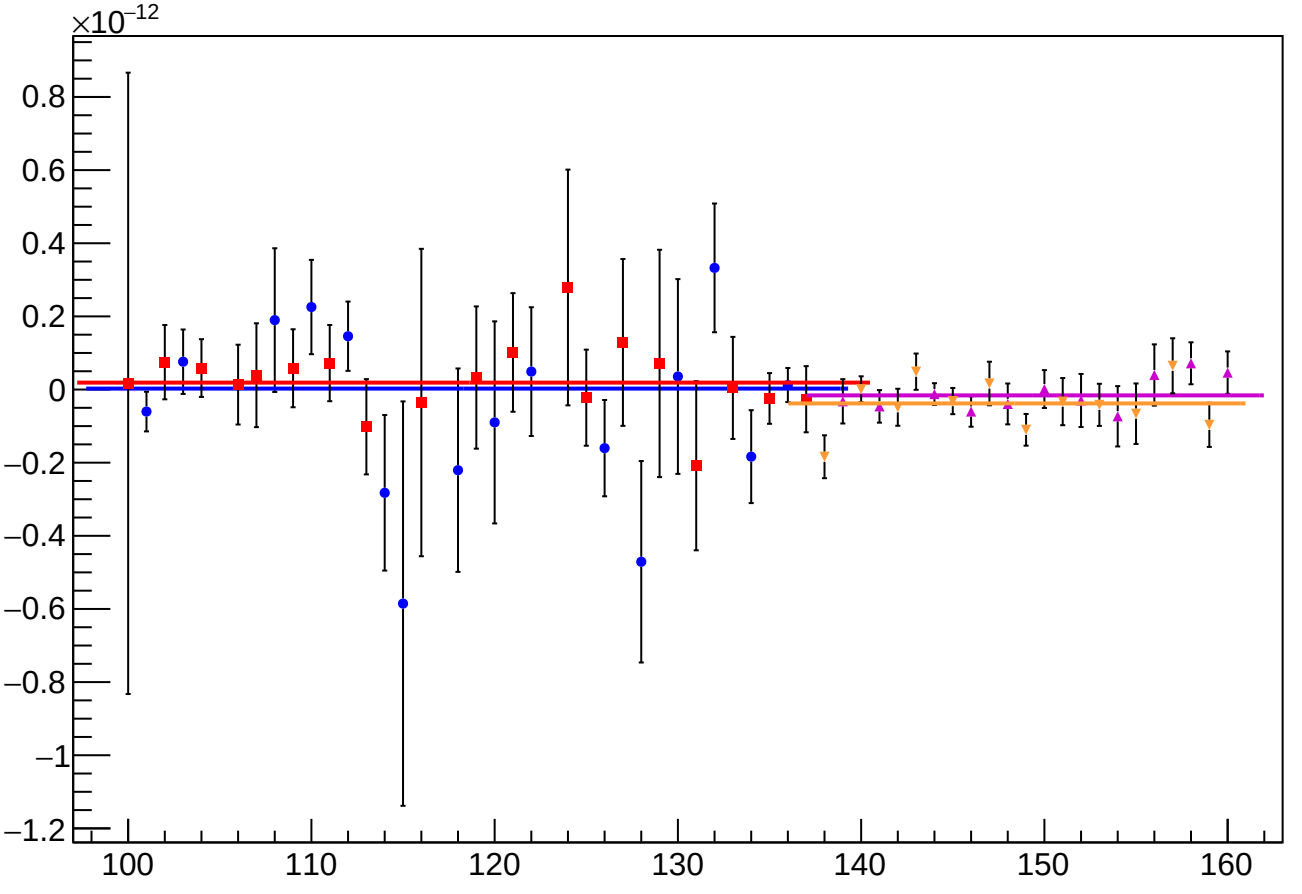
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1137.726+/-0.264 χ^2/NDF:420523.9/10

+ sign 1193.222+/-0.213 χ^2/NDF: 1845580.0/27

All: 1181.949+/-0.148 χ^2/NDF: 3684775.6/57

- sign 1171.278+/-0.207 χ^2/NDF: 1833735.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.1/11

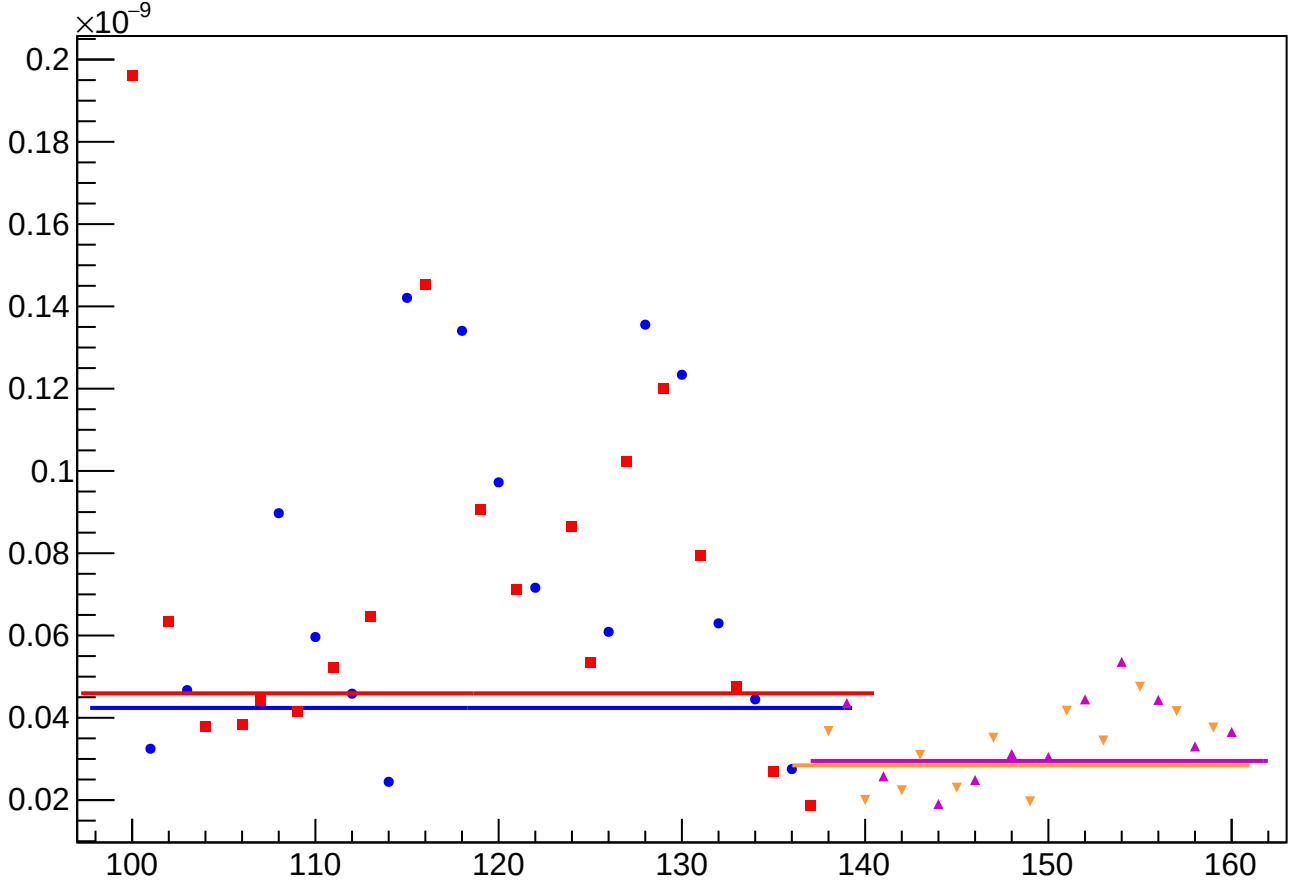
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 41.0/27

All: -0.000+/-0.000 χ^2/NDF: 54.5/57

- sign -0.000+/-0.000 χ^2/NDF: 12.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:662036.9/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

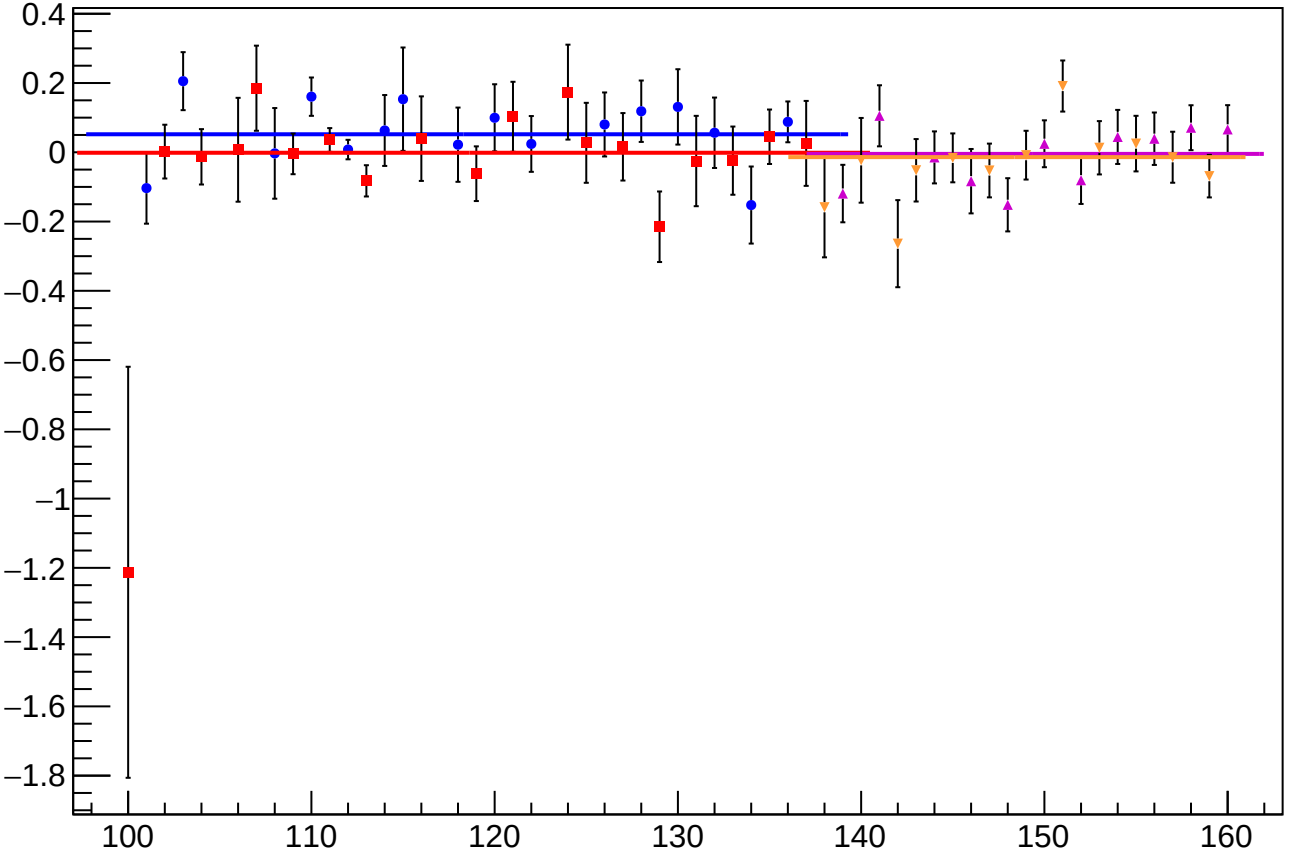
Left In: 0.000+/-0.000 χ^2/NDF:751739.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 2419314.6/27

All: 0.000+/-0.000 χ^2/NDF: 4807133.9/57

- sign 0.000+/-0.000 χ^2/NDF: 2375588.9/29

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.023 χ^2/NDF:14.3/11

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

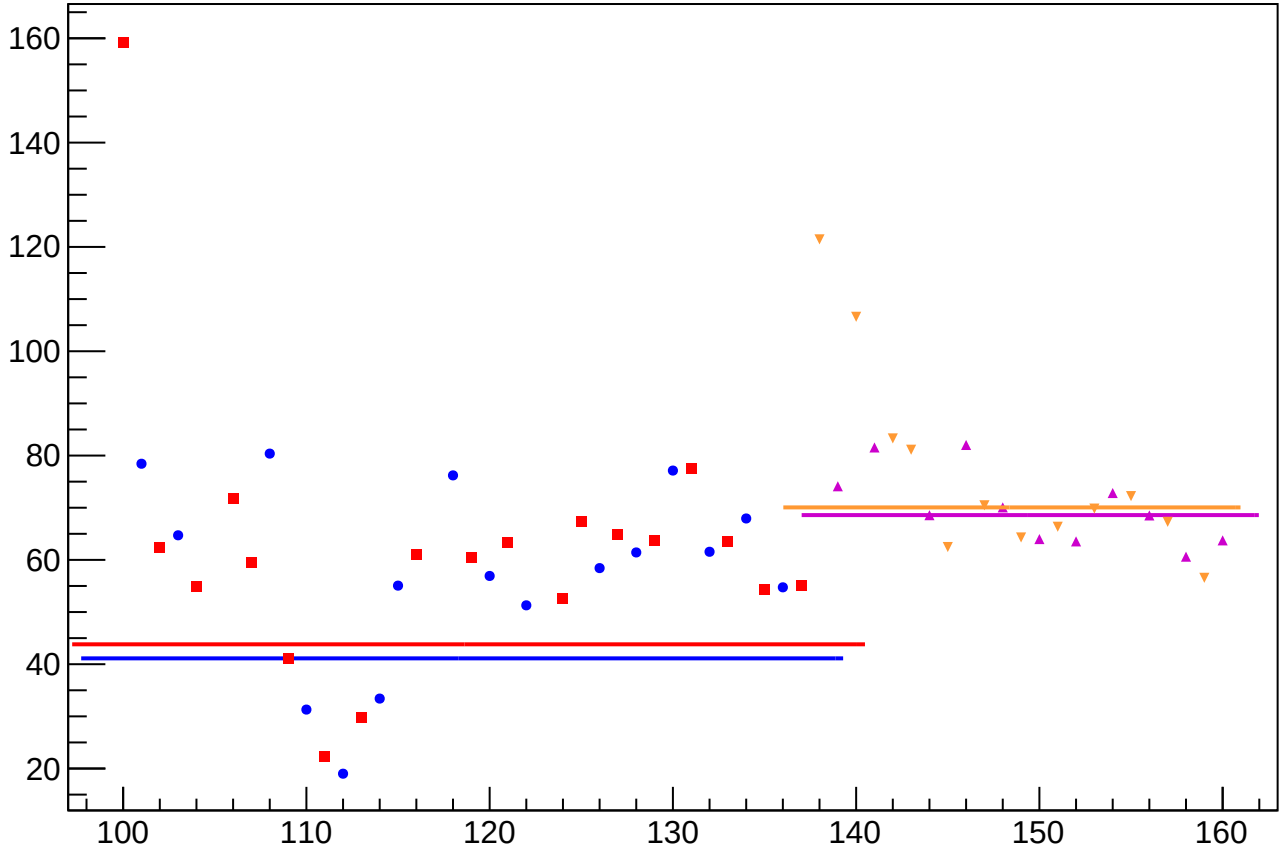
Left In: -0.005+/-0.023 χ^2/NDF:12.4/10

+ sign 0.028+/-0.014 χ^2/NDF: 37.3/27

All: 0.013+/-0.010 χ^2/NDF: 71.3/57

- 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: 70.061+/-0.017 χ^2/NDF:625548.4/11

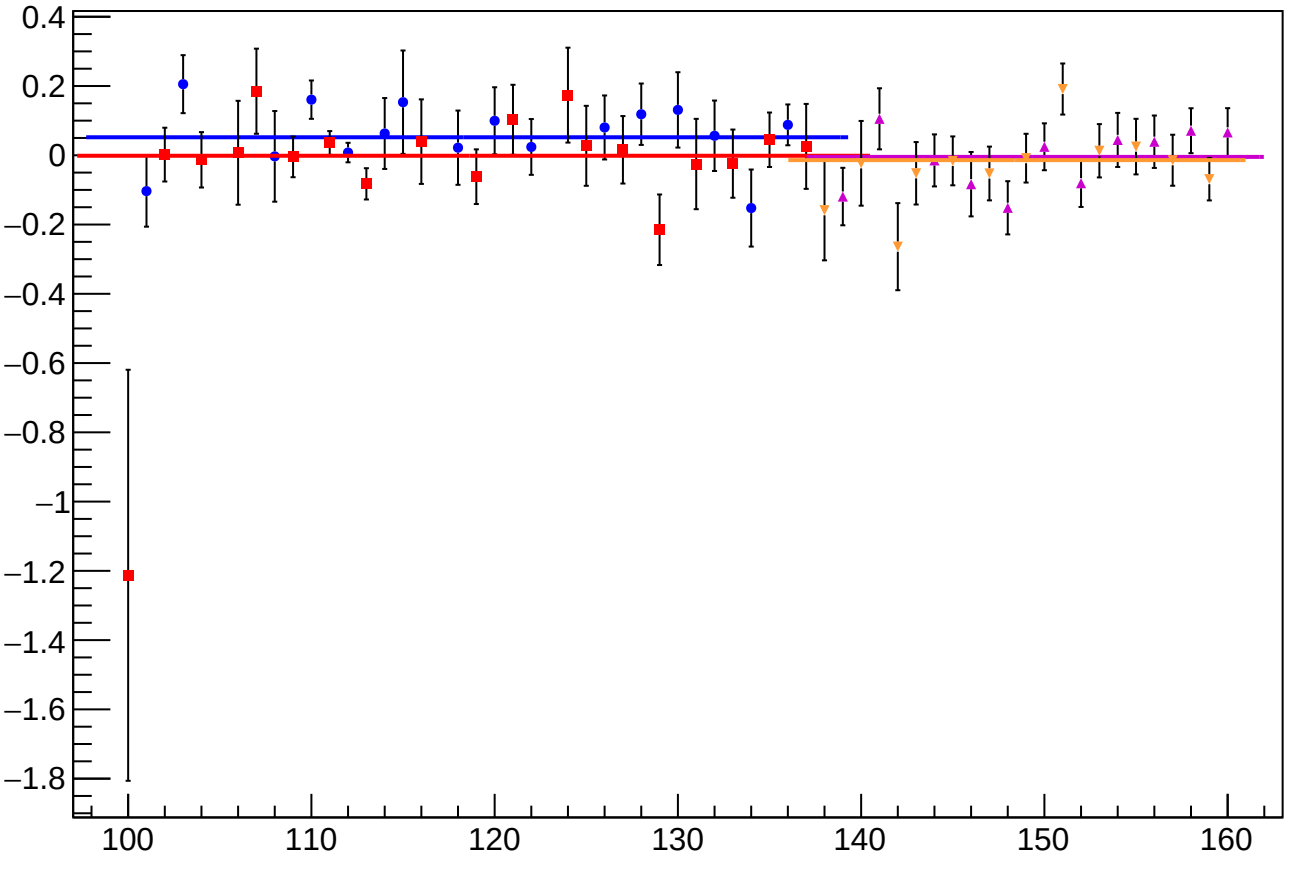
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 68.588+/-0.016 χ^2/NDF:160369.6/10

+ sign 51.708+/-0.010 χ^2/NDF: 5491267.3/27

All: 52.535+/-0.007 χ^2/NDF: 9184029.2/57

- sign 53.351+/-0.010 χ^2/NDF: 3679203.9/29



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.023 χ^2/NDF:14.3/11

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

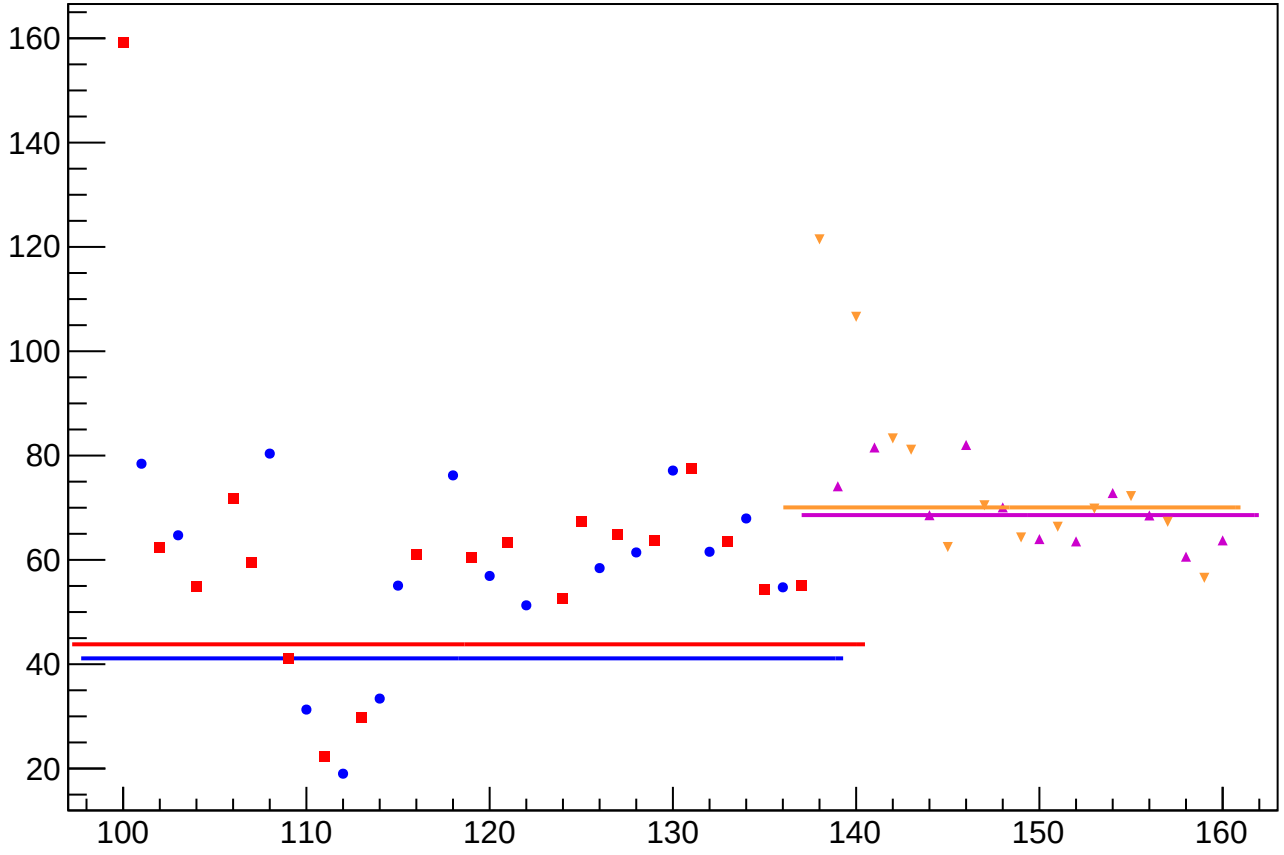
Left In: -0.005+/-0.023 χ^2/NDF:12.4/10

+ sign 0.028+/-0.014 χ^2/NDF: 37.3/27

All: 0.013+/-0.010 χ^2/NDF: 71.3/57

- sign -0.003+/-0.014 χ^2/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: 70.061+/-0.017 χ^2/NDF:625548.4/11

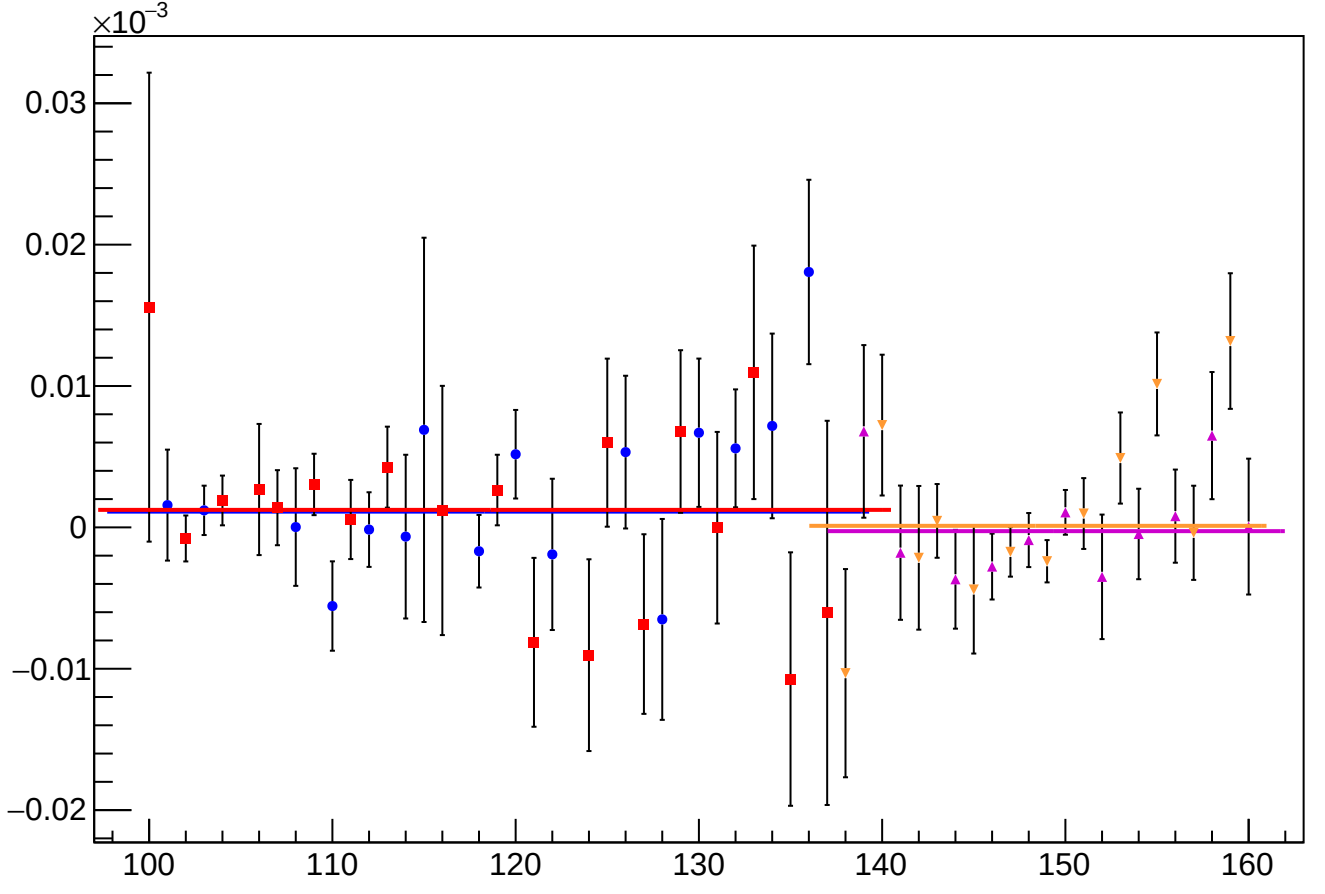
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 68.588+/-0.016 χ^2/NDF:160369.6/10

+ sign 51.708+/-0.010 χ^2/NDF: 5491267.3/27

All: 52.535+/-0.007 χ^2/NDF: 9184029.2/57

- 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:26.5/11

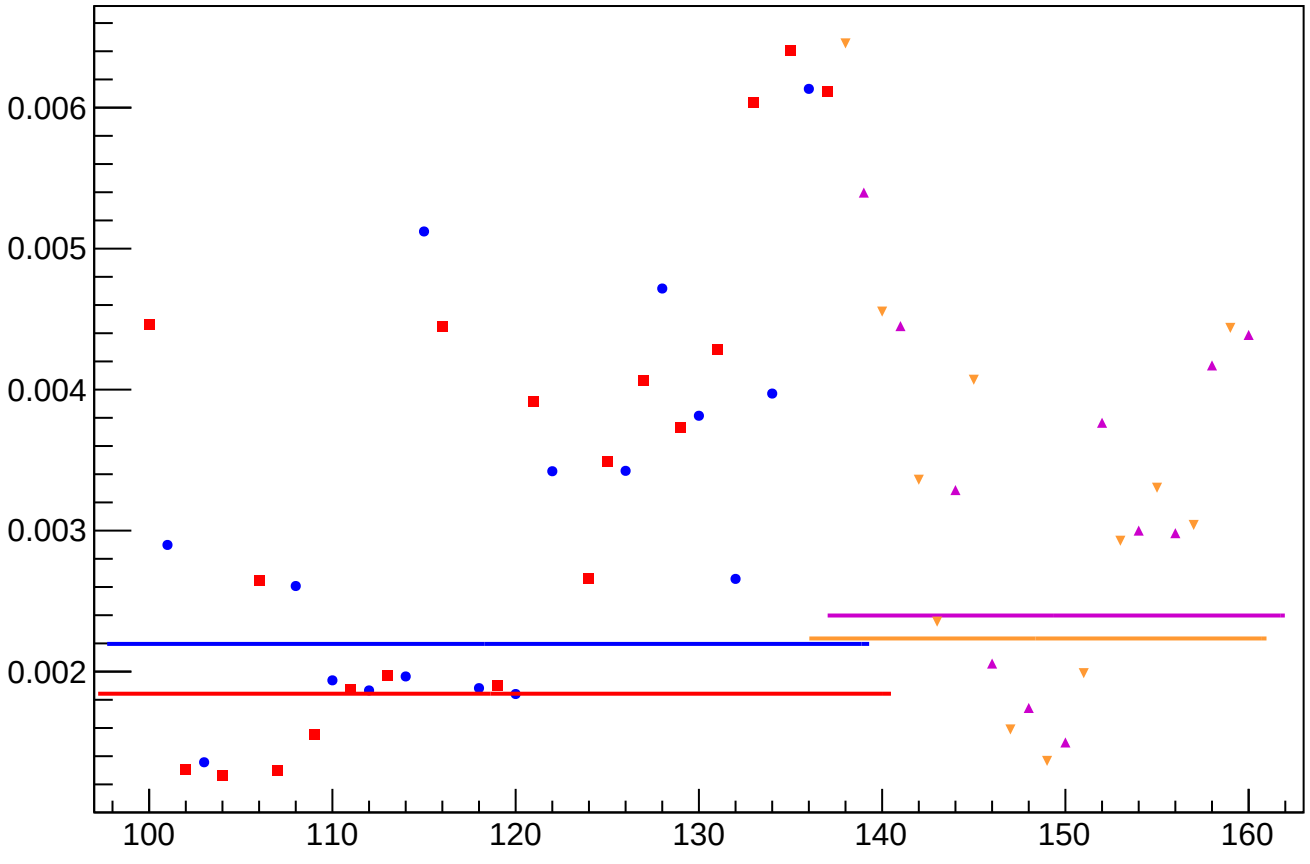
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/27

All: 0.000+/-0.000 χ^2/NDF: 72.0/57

- 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:3289086.5/11

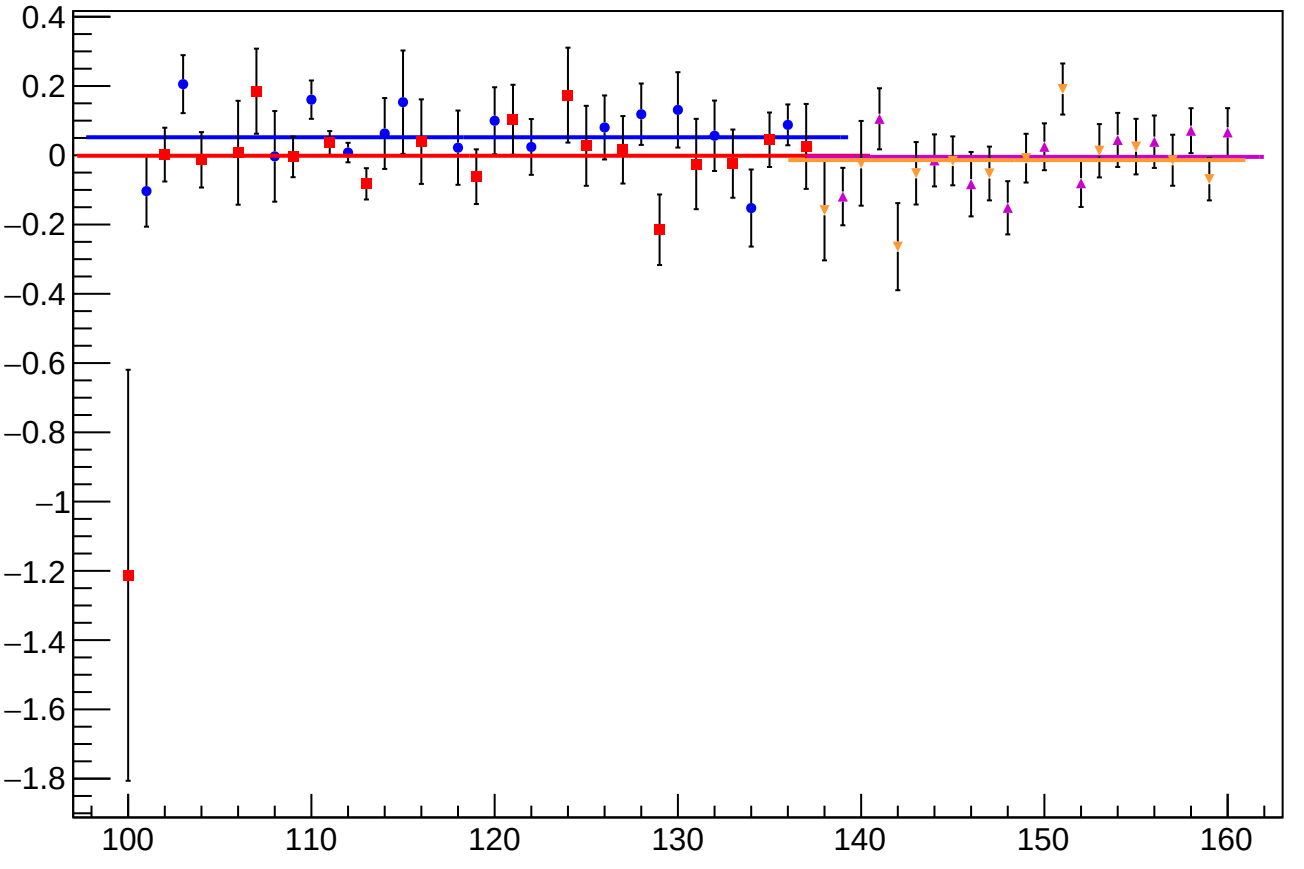
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:2891883.9/10

+ sign 0.002+/-0.000 χ^2/NDF: 5584006.6/27

All: 0.002+/-0.000 χ^2/NDF: 12126496.9/57

- sign 0.002+/-0.000 χ^2/NDF: 6492899.2/29



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.014+/-0.023 χ^2/NDF:14.3/11

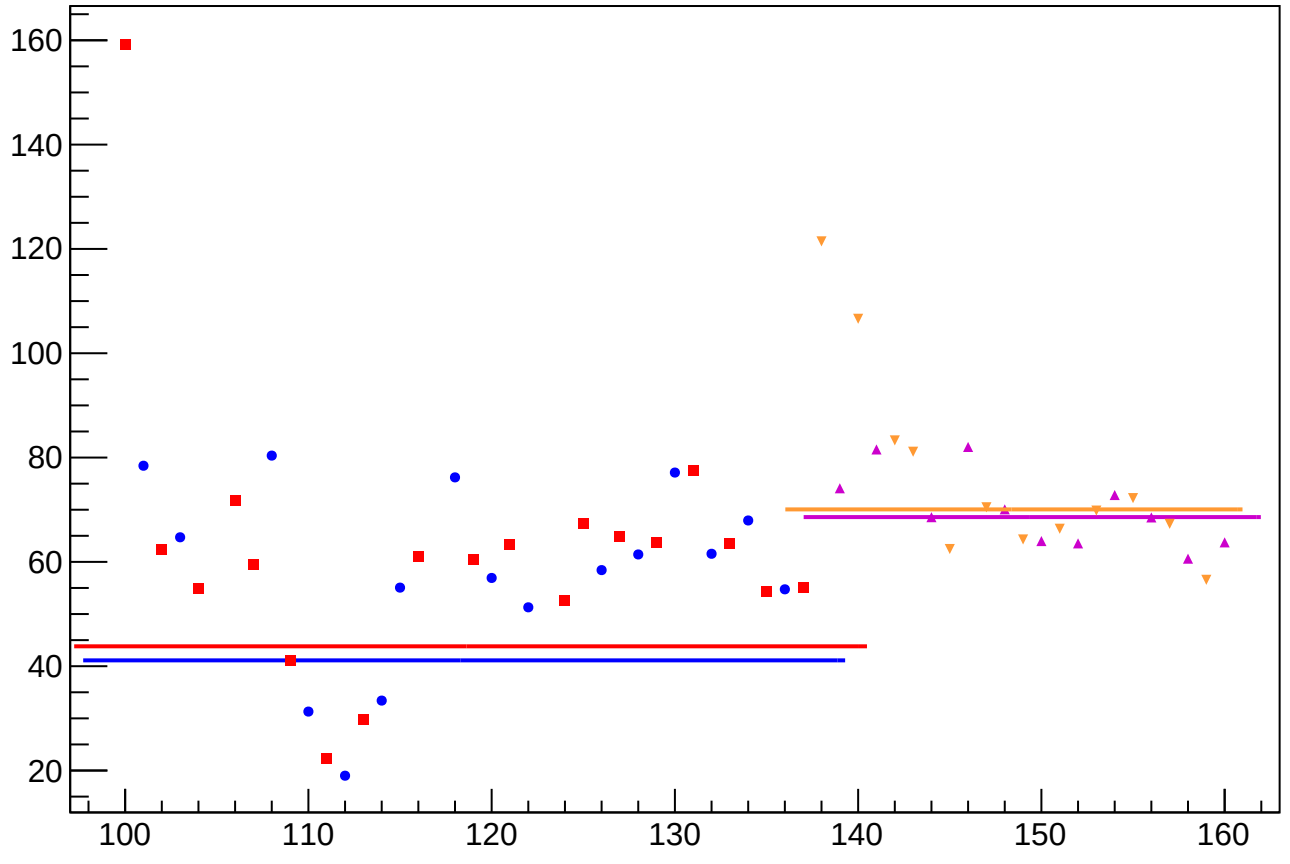
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.005+/-0.023 χ^2/NDF:12.4/10

+ sign 0.028+/-0.014 χ^2/NDF: 37.3/27

All: 0.013+/-0.010 χ^2/NDF: 71.3/57

- 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: 70.062+/-0.017 χ^2/NDF:625527.2/11

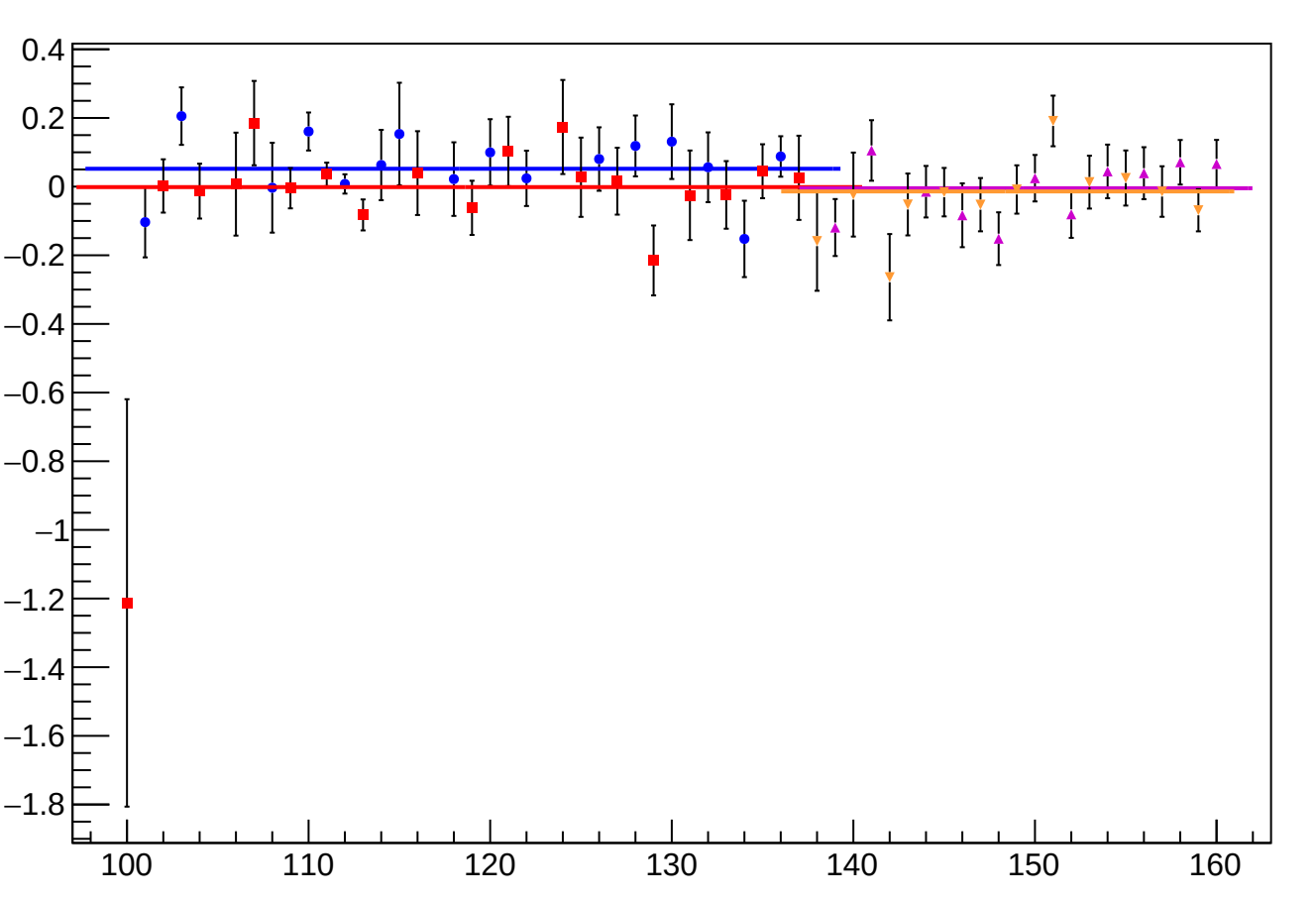
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 68.589+/-0.016 χ^2/NDF:160370.6/10

+ sign 51.708+/-0.010 χ^2/NDF: 5491637.7/27

All: 52.535+/-0.007 χ^2/NDF: 9184764.5/57

- 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: -0.014+/-0.023 χ^2/NDF:14.3/11

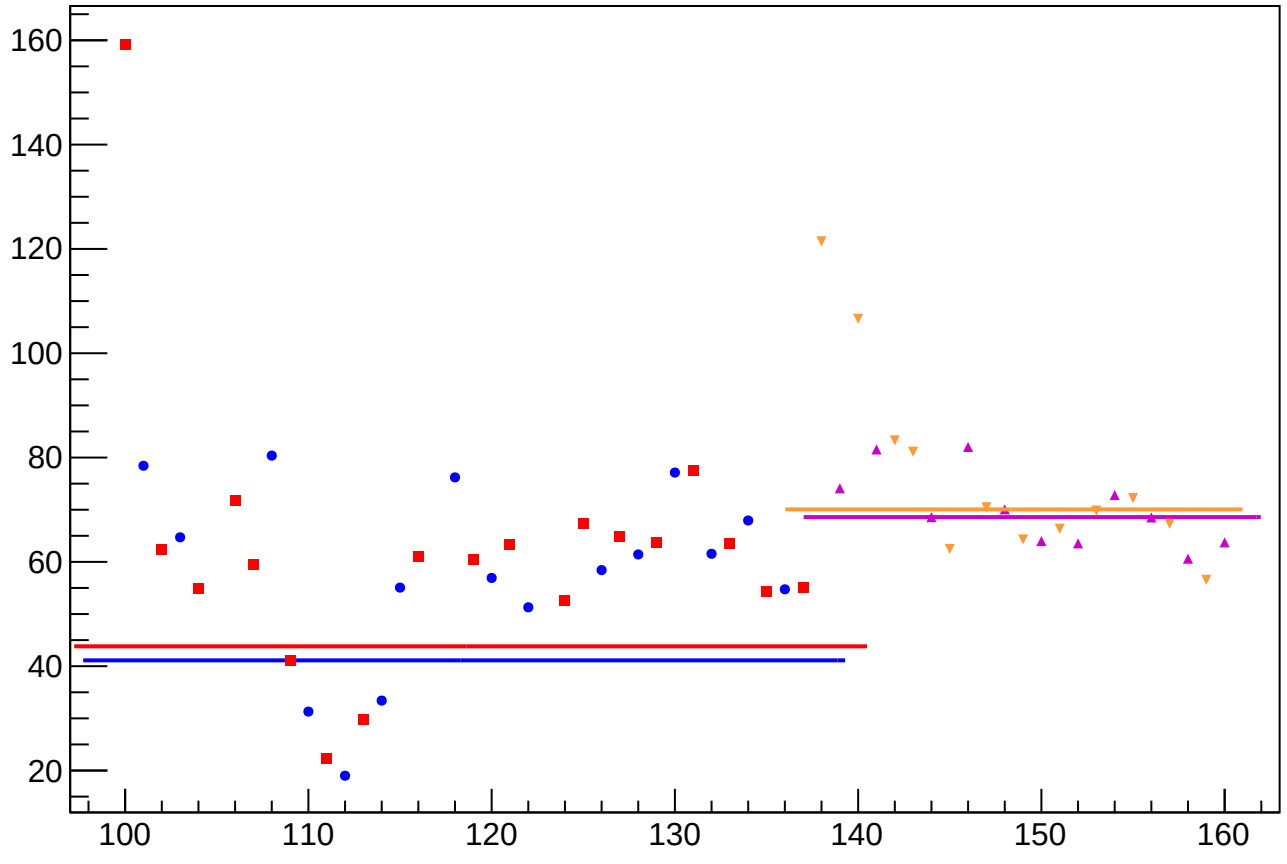
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.005+/-0.023 χ^2/NDF:12.4/10

+ sign 0.028+/-0.014 χ^2/NDF: 37.3/27

All: 0.013+/-0.010 χ^2/NDF: 71.3/57

- 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: 70.062+/-0.017 χ^2/NDF:625527.2/11

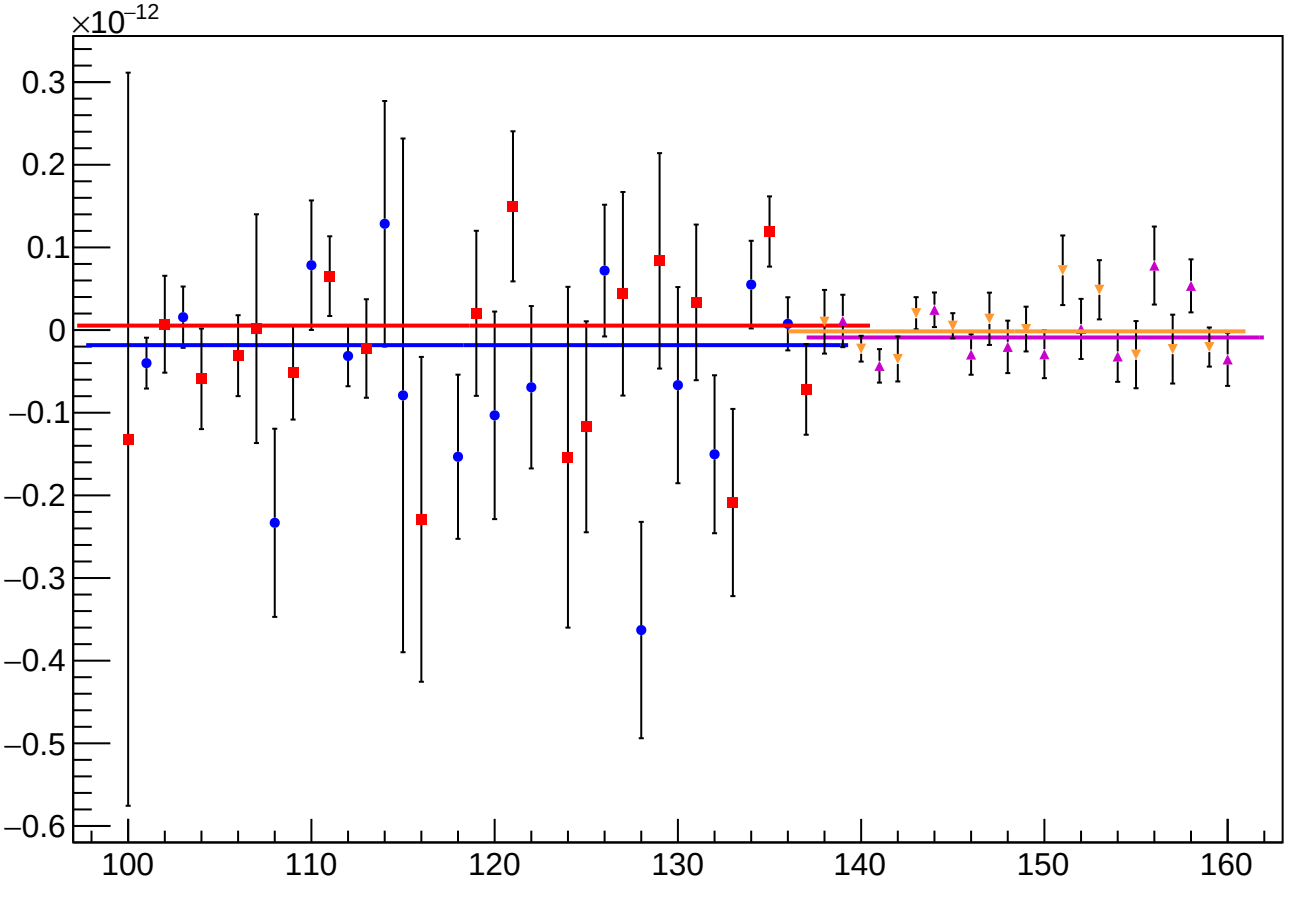
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 68.589+/-0.016 χ^2/NDF:160370.6/10

+ sign 51.708+/-0.010 χ^2/NDF: 5491637.7/27

All: 52.535+/-0.007 χ^2/NDF: 9184764.5/57

- 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:11.6/11

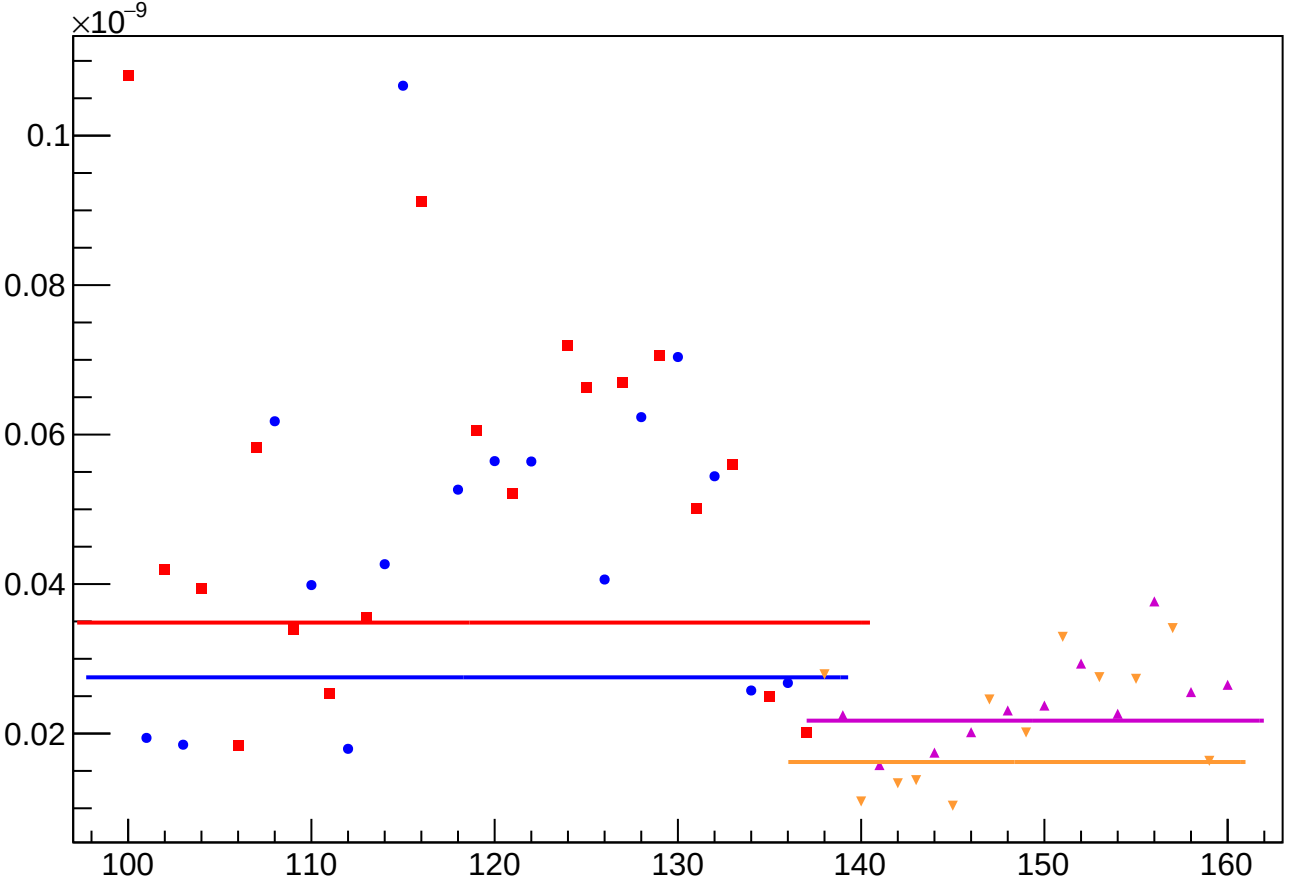
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.6/27

All: -0.000+/-0.000 χ^2/NDF: 75.2/57

- sign -0.000+/-0.000 χ^2/NDF: 39.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1983399.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

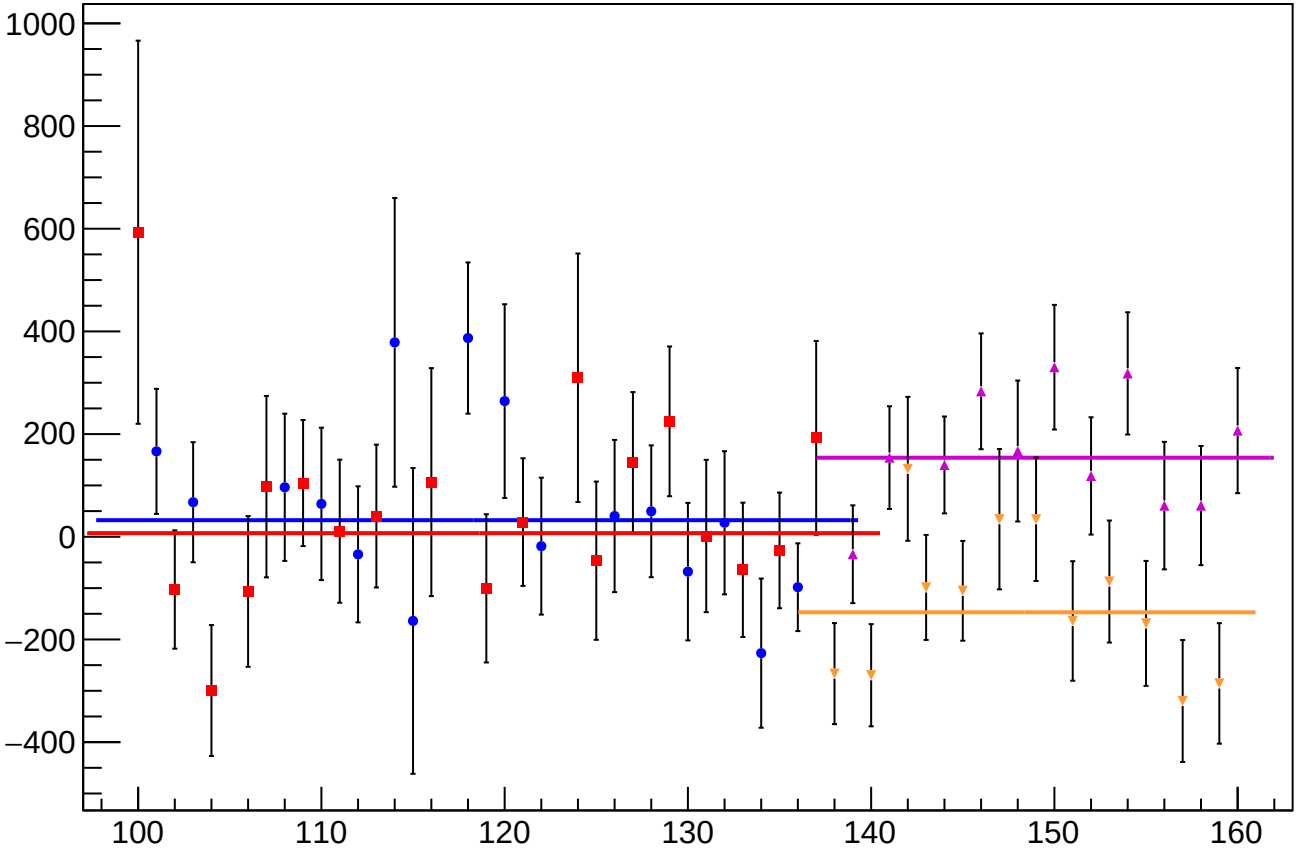
Left In: 0.000+/-0.000 χ^2/NDF:669963.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 4777282.7/27

All: 0.000+/-0.000 χ^2/NDF: 8843971.1/57

- sign 0.000+/-0.000 χ^2/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: -147.056+/-32.699 χ^2/NDF:15.2/11

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

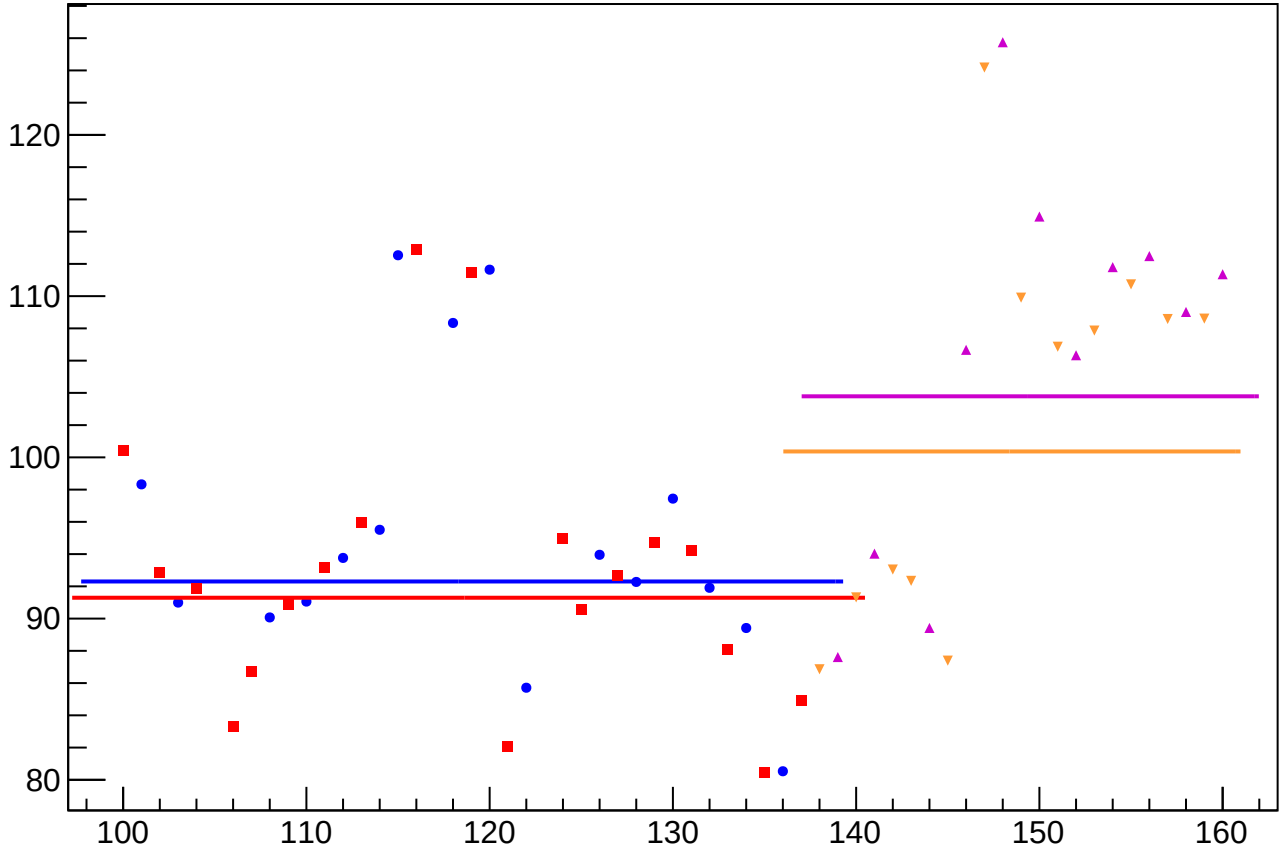
Left In: 153.984+/-33.795 χ^2/NDF:10.7/10

+ sign -61.998+/-23.710 χ^2/NDF: 46.8/27

All: 8.695+/-16.784 χ^2/NDF: 102.7/57

- 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: 100.367+/-0.023 χ^2/NDF:229150.2/11

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

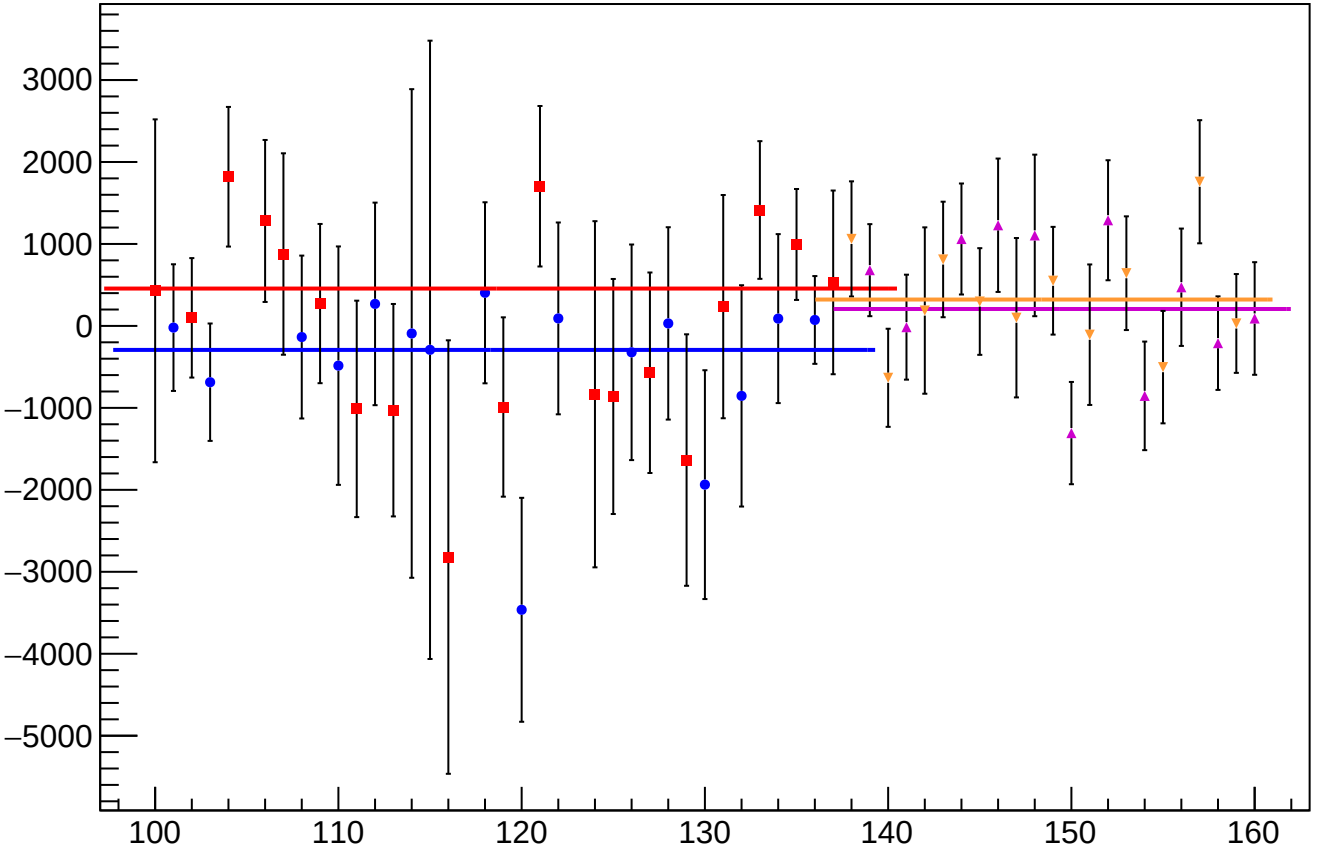
Left In: 103.787+/-0.024 χ^2/NDF:224075.8/10

+ sign 96.542+/-0.017 χ^2/NDF: 393906.5/27

All: 97.005+/-0.012 χ^2/NDF: 862800.6/57

- sign 97.471+/-0.017 χ^2/NDF: 467364.2/29

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 321.884+/-205.738 χ^2/NDF:10.1/11

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

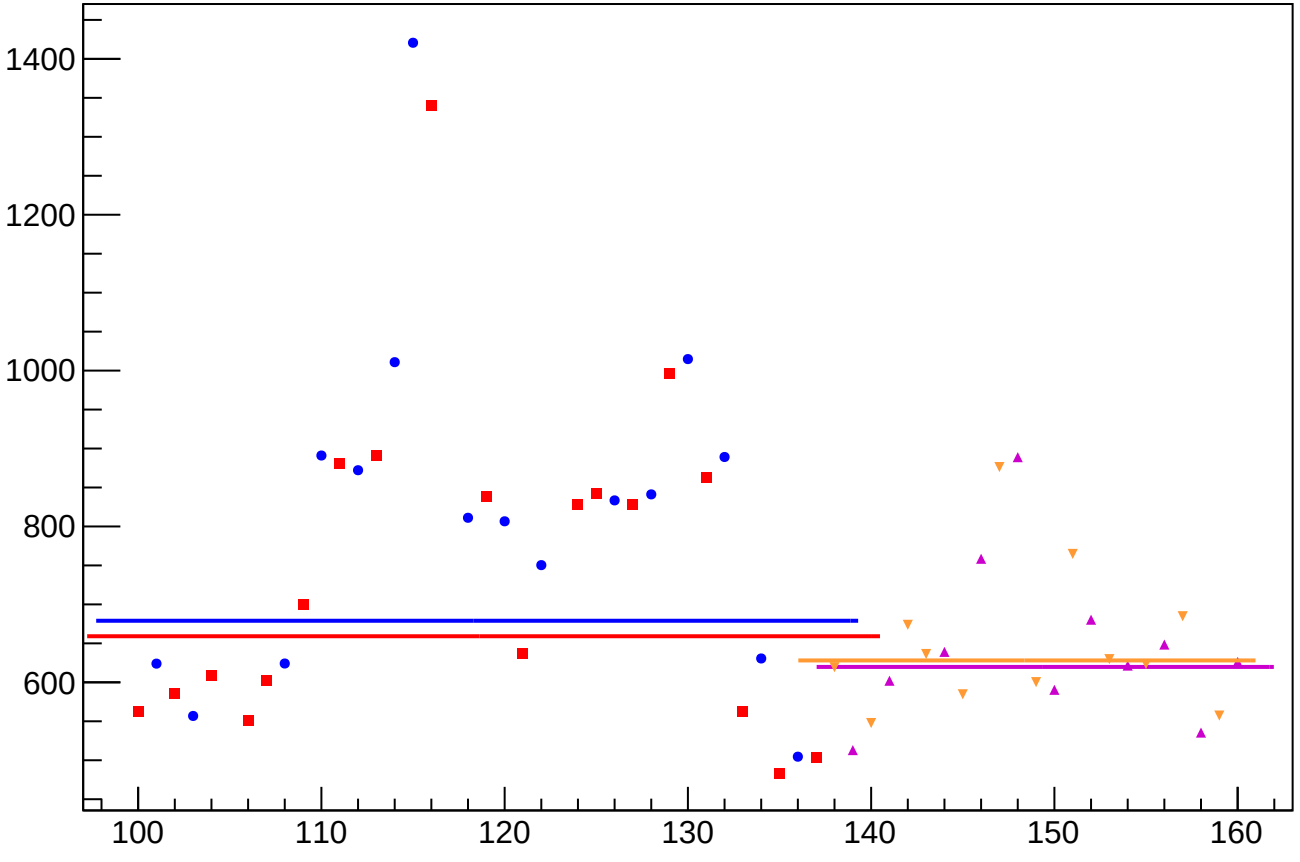
Left In: 206.445+/-203.352 χ^2/NDF:16.2/10

\+ sign 84.872+/-161.263 χ^2/NDF: 22.4/27

All: 198.280+/-112.651 χ^2/NDF: 57.0/57

\- 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: 628.086+/-0.145 χ^2/NDF:273291.4/11

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

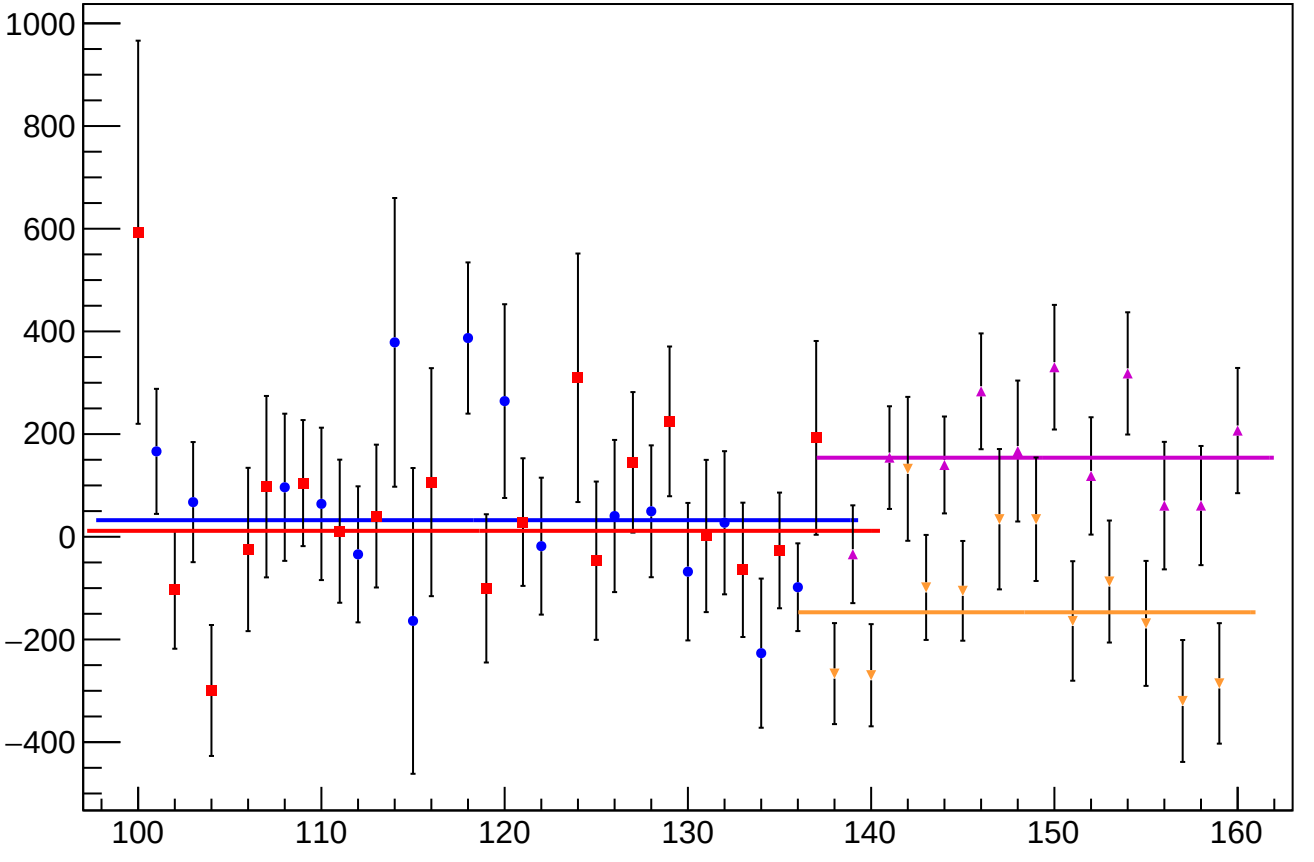
Left In: 619.755+/-0.144 χ^2/NDF:347862.9/10

+ sign 647.720+/-0.114 χ^2/NDF: 1088512.2/27

All: 641.479+/-0.080 χ^2/NDF: 2268149.9/57

- 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: -147.051+/-32.699 χ^2/NDF:15.2/11

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

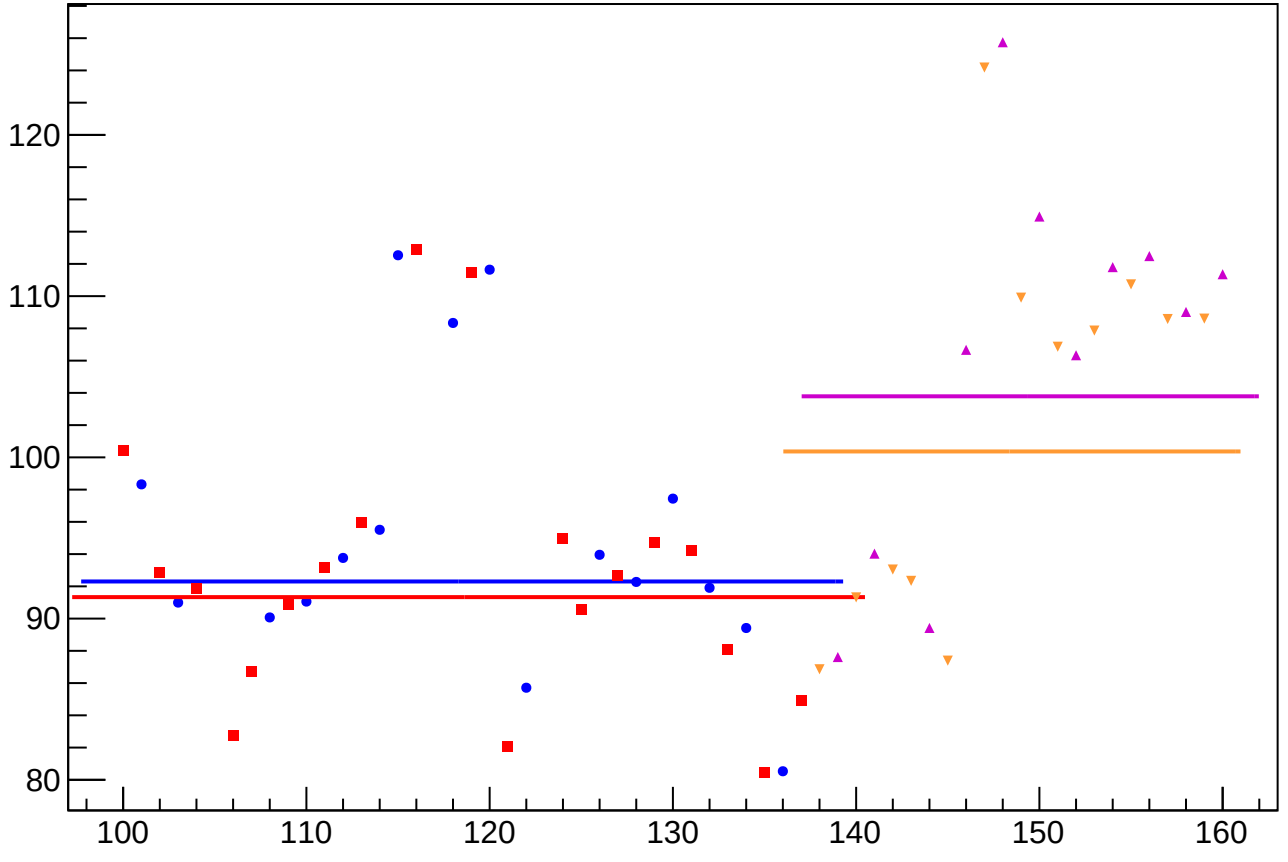
Left In: 153.988+/-33.795 χ^2/NDF:10.7/10

\+ sign -61.988+/-23.710 χ^2/NDF: 46.8/27

All: 9.834+/-16.800 χ^2/NDF: 102.1/57

\- 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: 100.367+/-0.023 χ^2/NDF:229150.2/11

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

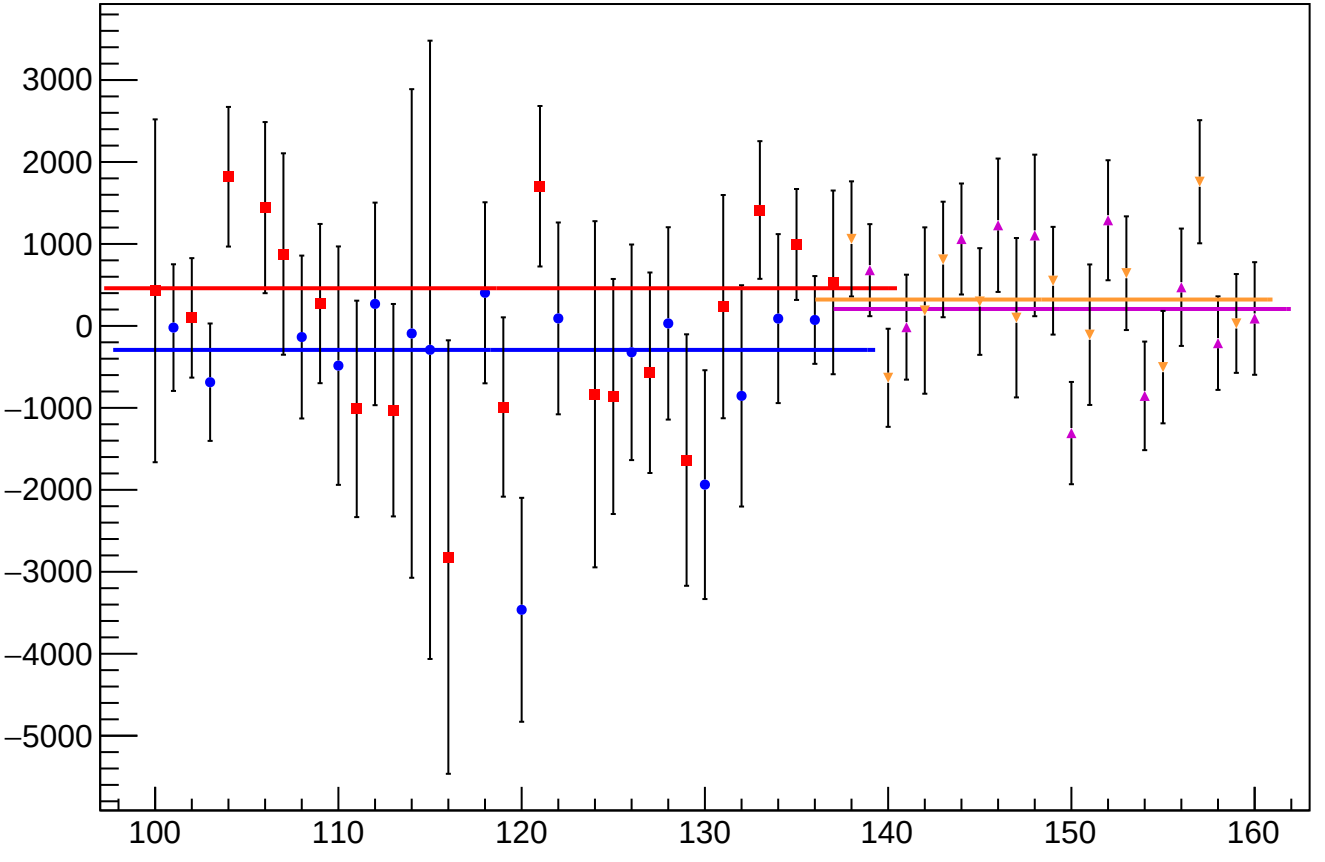
Left In: 103.787+/-0.024 χ^2/NDF:224075.8/10

\+ sign 96.542+/-0.017 χ^2/NDF: 393906.4/27

All: 97.026+/-0.012 χ^2/NDF: 861396.7/57

\- 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: 321.885+/-205.738 χ^2/NDF:10.1/11

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

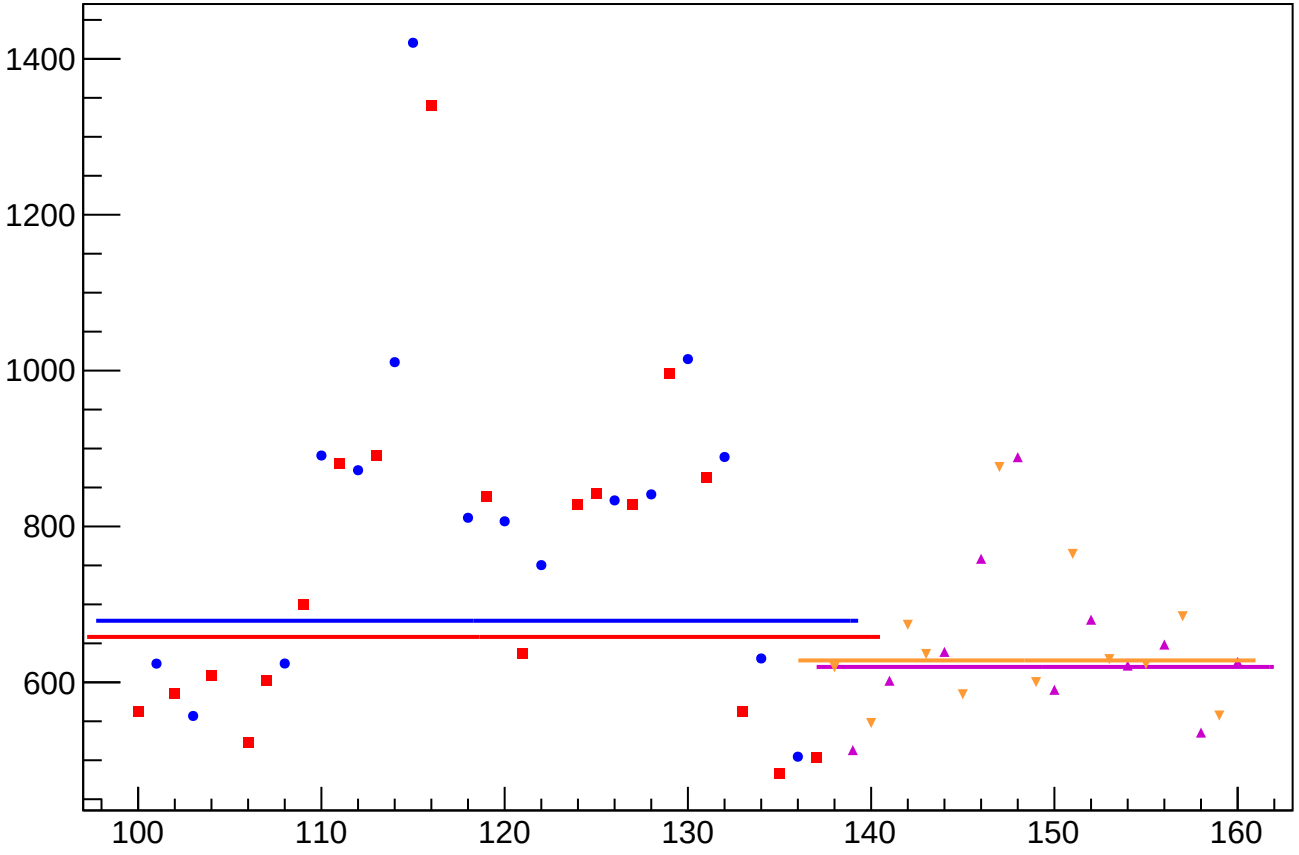
Left In: 206.447+/-203.352 χ^2/NDF:16.2/10

+ sign 84.873+/-161.263 χ^2/NDF: 22.4/27

All: 198.699+/-112.727 χ^2/NDF: 57.2/57

- 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: 628.086+/-0.145 χ^2/NDF:273292.5/11

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

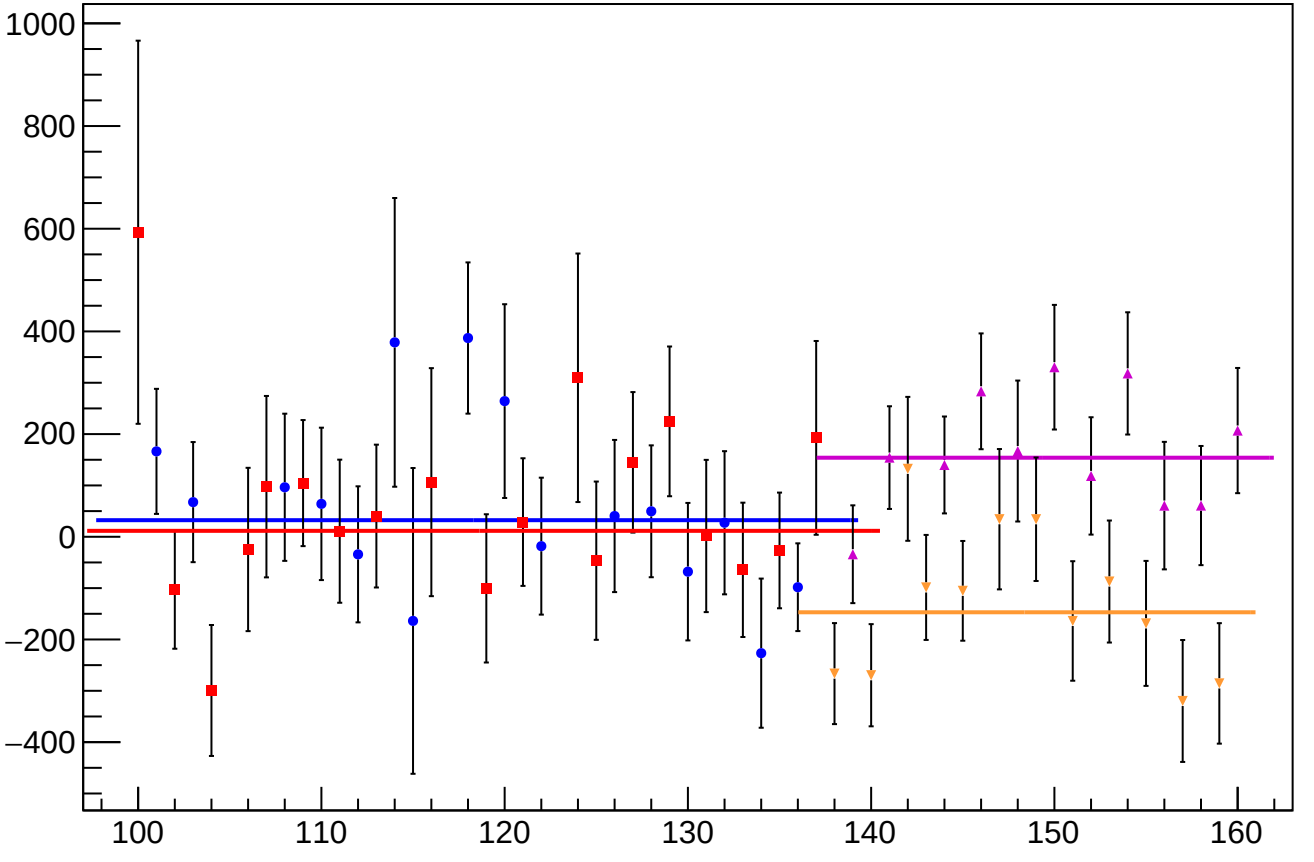
Left In: 619.755+/-0.144 χ^2/NDF:347862.0/10

+ sign 647.720+/-0.114 χ^2/NDF: 1088514.5/27

All: 641.278+/-0.080 χ^2/NDF: 2277134.1/57

- 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: -147.051+/-32.699 χ^2/NDF:15.2/11

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

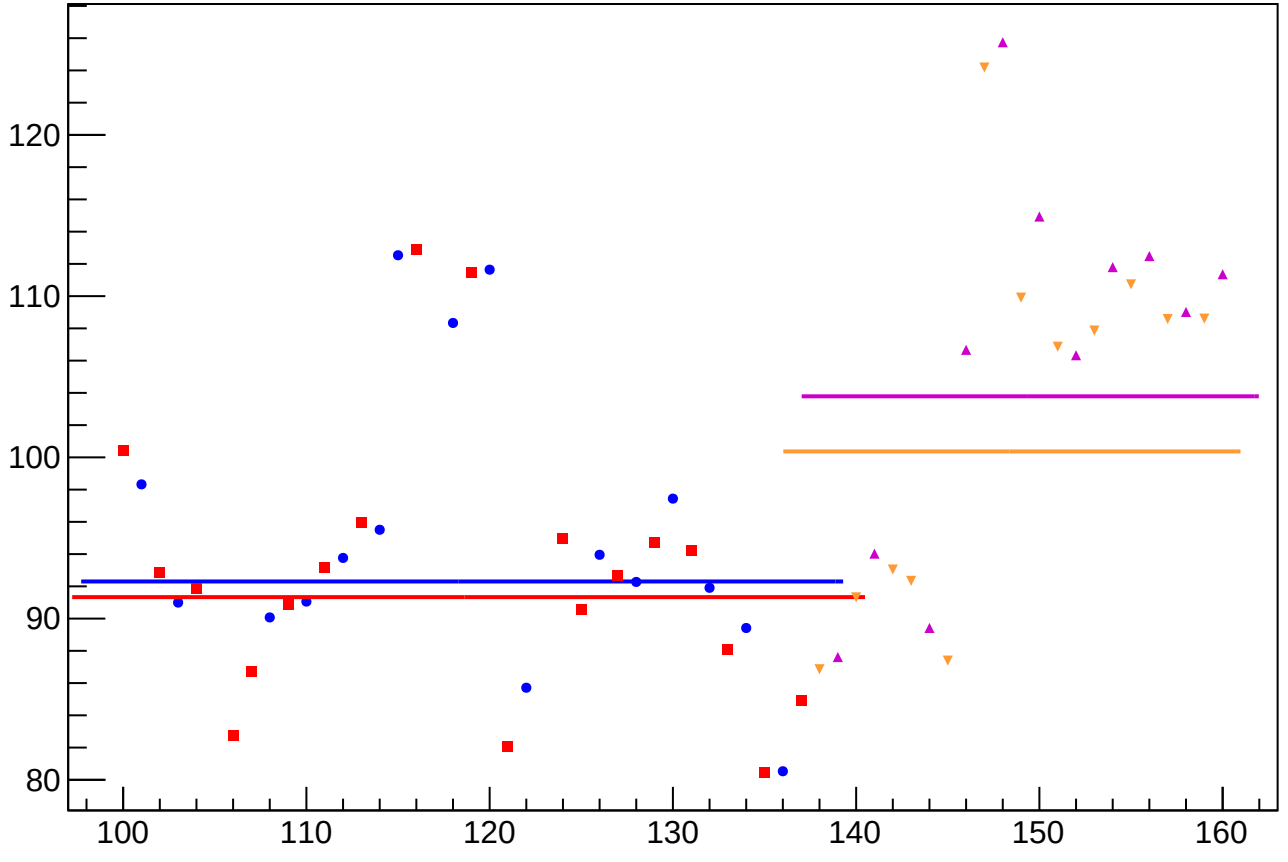
Left In: 153.988+/-33.795 χ^2/NDF:10.7/10

\+ sign -61.988+/-23.710 χ^2/NDF: 46.8/27

All: 9.834+/-16.800 χ^2/NDF: 102.1/57

\- 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: 100.367+/-0.023 χ^2/NDF:229150.2/11

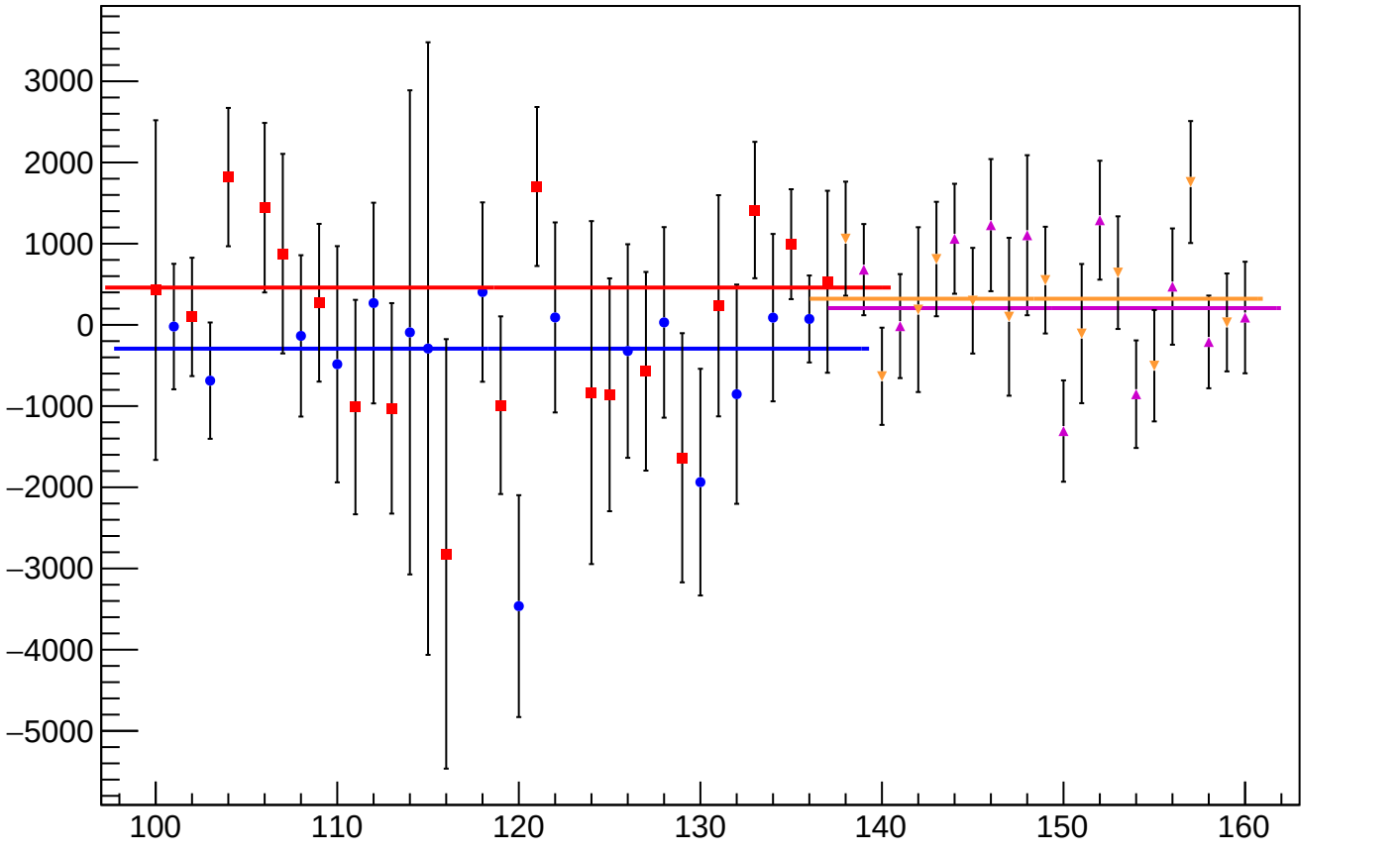
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 103.787+/-0.024 χ^2/NDF:224075.8/10

+ sign 96.542+/-0.017 χ^2/NDF: 393906.4/27

All: 97.026+/-0.012 χ^2/NDF: 861396.7/57

- sign 97.514+/-0.017 χ^2/NDF: 465817.6/29



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 321.885+/-205.738 χ^2/NDF:10.1/11

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

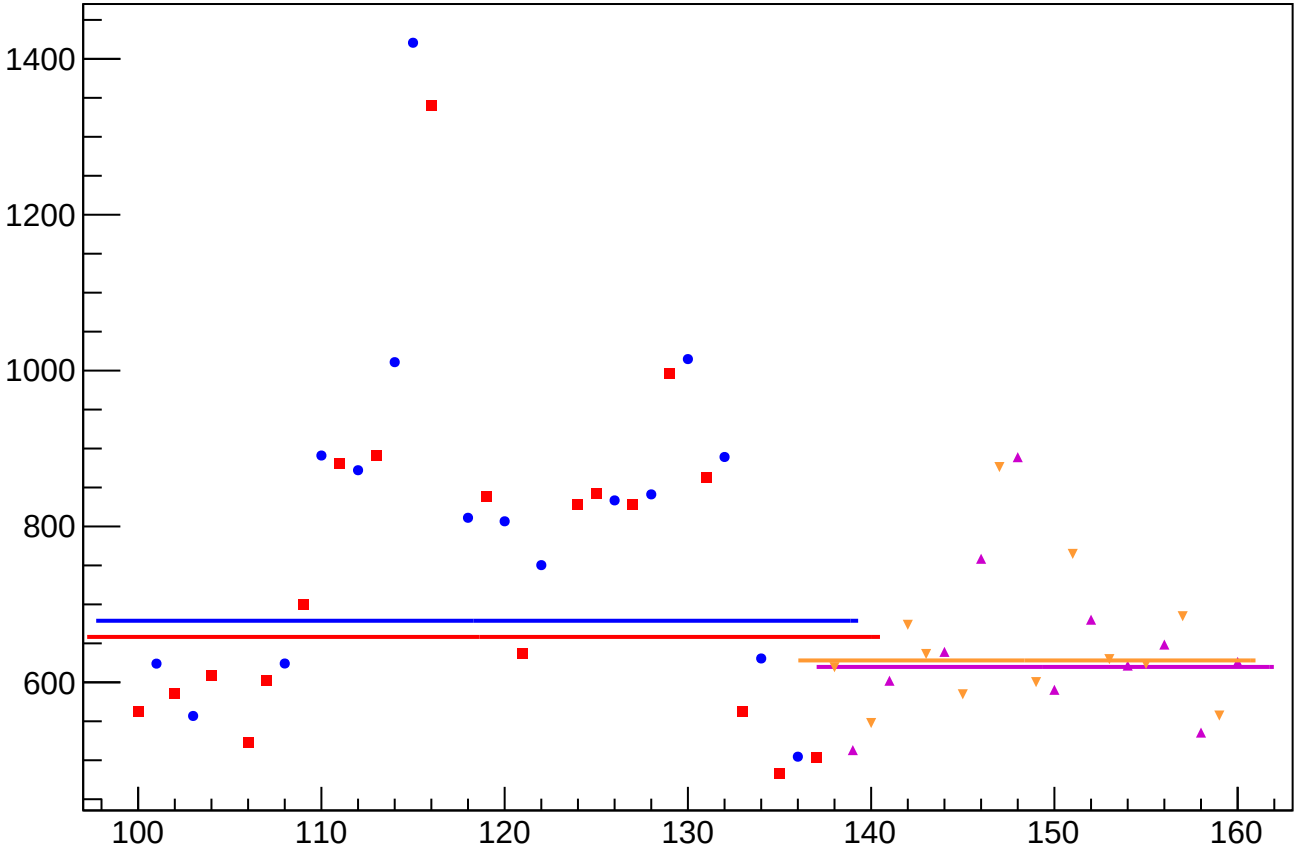
Left In: 206.447+/-203.352 χ^2/NDF:16.2/10

+ sign 84.873+/-161.263 χ^2/NDF: 22.4/27

All: 198.699+/-112.727 χ^2/NDF: 57.2/57

- sign 307.468+/-157.639 χ^2/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: 628.086+/-0.145 χ^2/NDF:273292.5/11

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

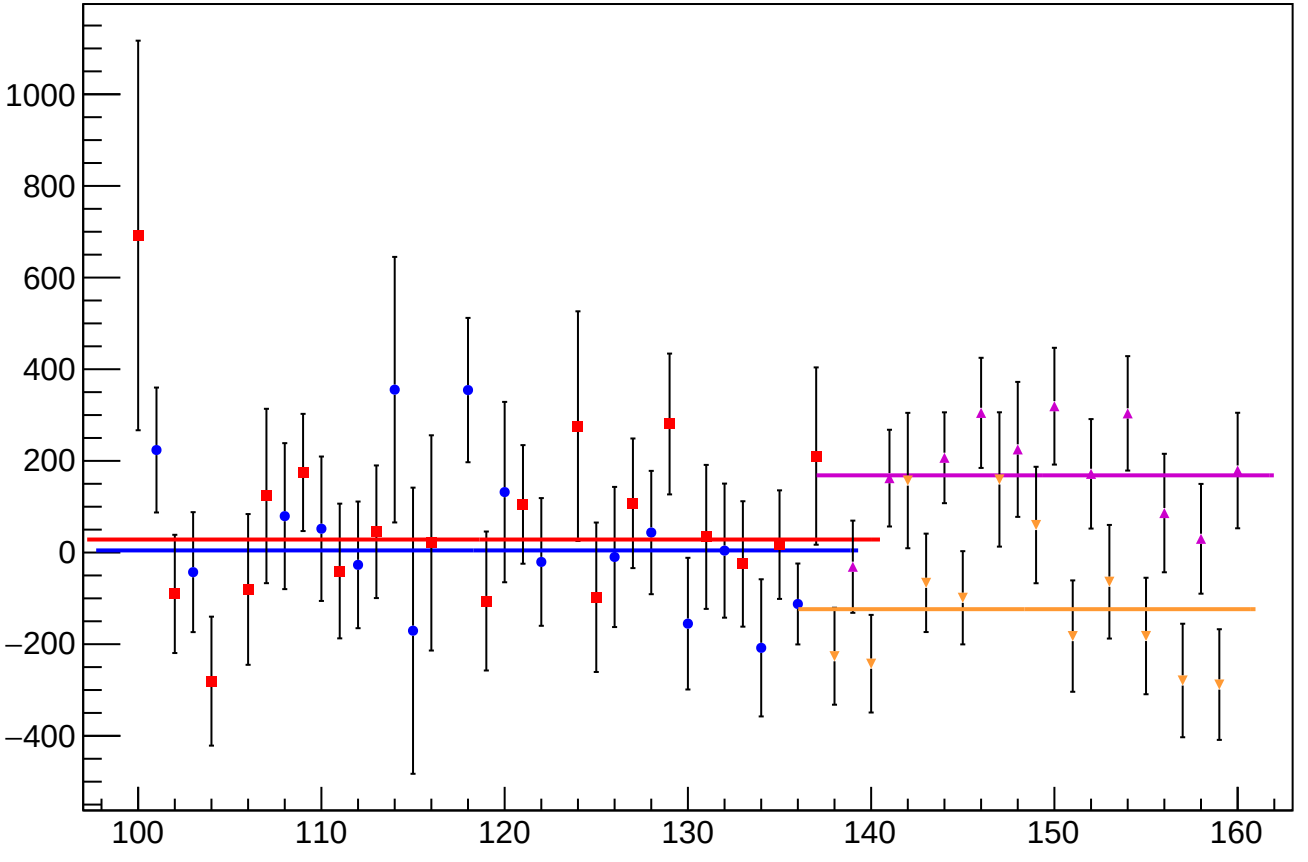
Left In: 619.755+/-0.144 χ^2/NDF:347862.0/10

+ sign 647.720+/-0.114 χ^2/NDF: 1088514.5/27

All: 641.278+/-0.080 χ^2/NDF: 2277134.1/57

- 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: -123.586+/-34.428 χ^2/NDF:16.1/11

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

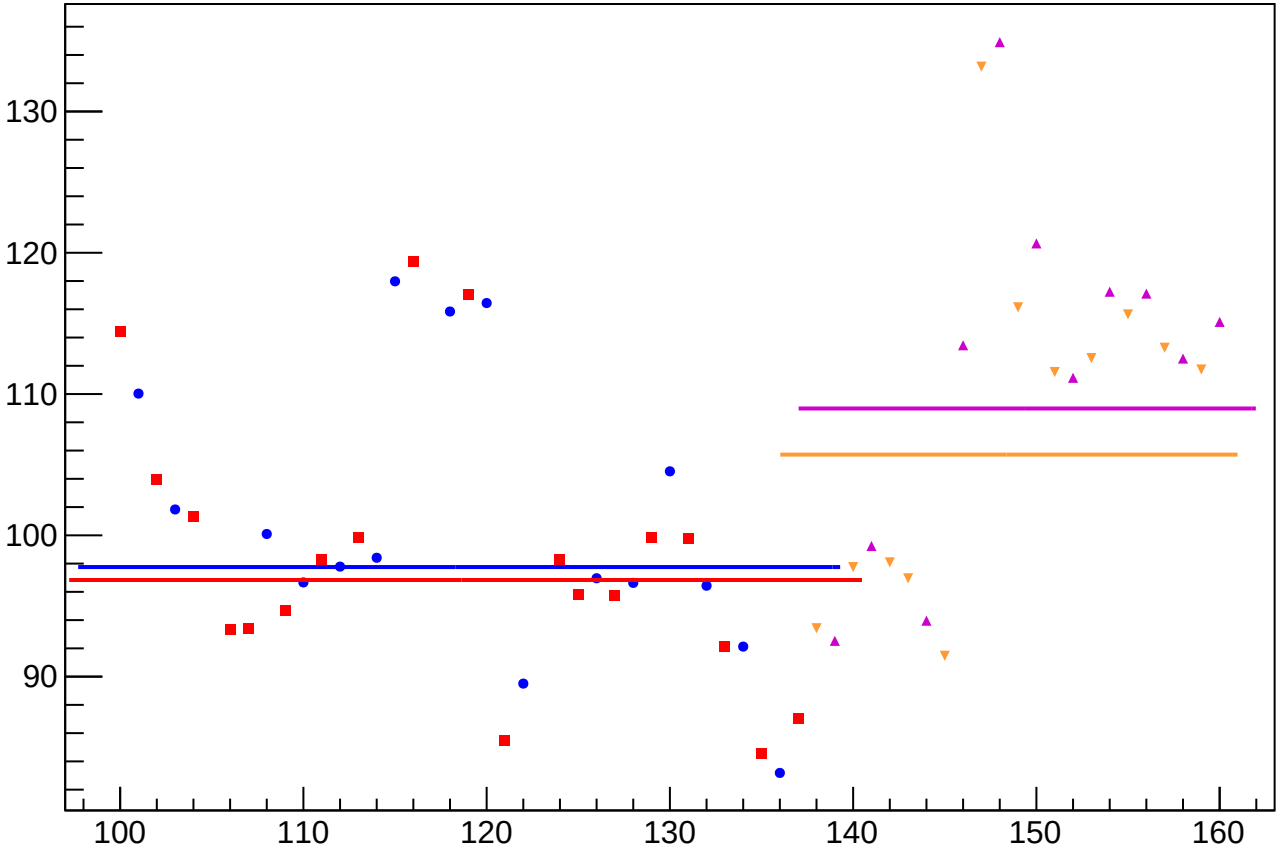
Left In: 168.444+/-35.489 χ^2/NDF:9.8/10

+ sign -63.240+/-25.048 χ^2/NDF: 38.0/27

All: 17.446+/-17.725 χ^2/NDF: 93.5/57

- 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: 105.714+/-0.024 χ^2/NDF:214989.0/11

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

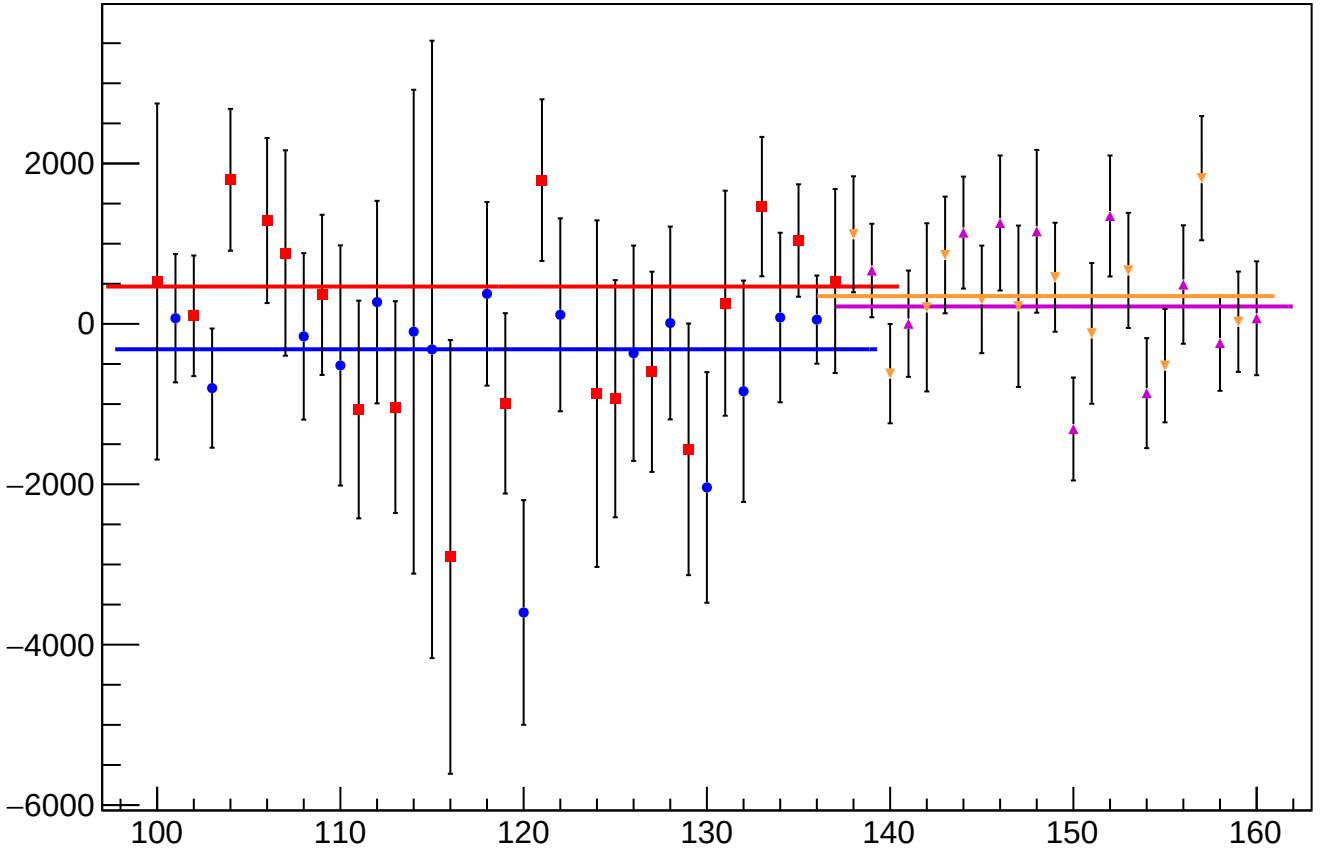
Left In: 108.978+/-0.025 χ^2/NDF:221749.9/10

+ sign 101.968+/-0.018 χ^2/NDF: 405934.9/27

All: 102.436+/-0.013 χ^2/NDF: 861308.7/57

- 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: 346.437+/-212.443 χ^2/NDF:10.1/11

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

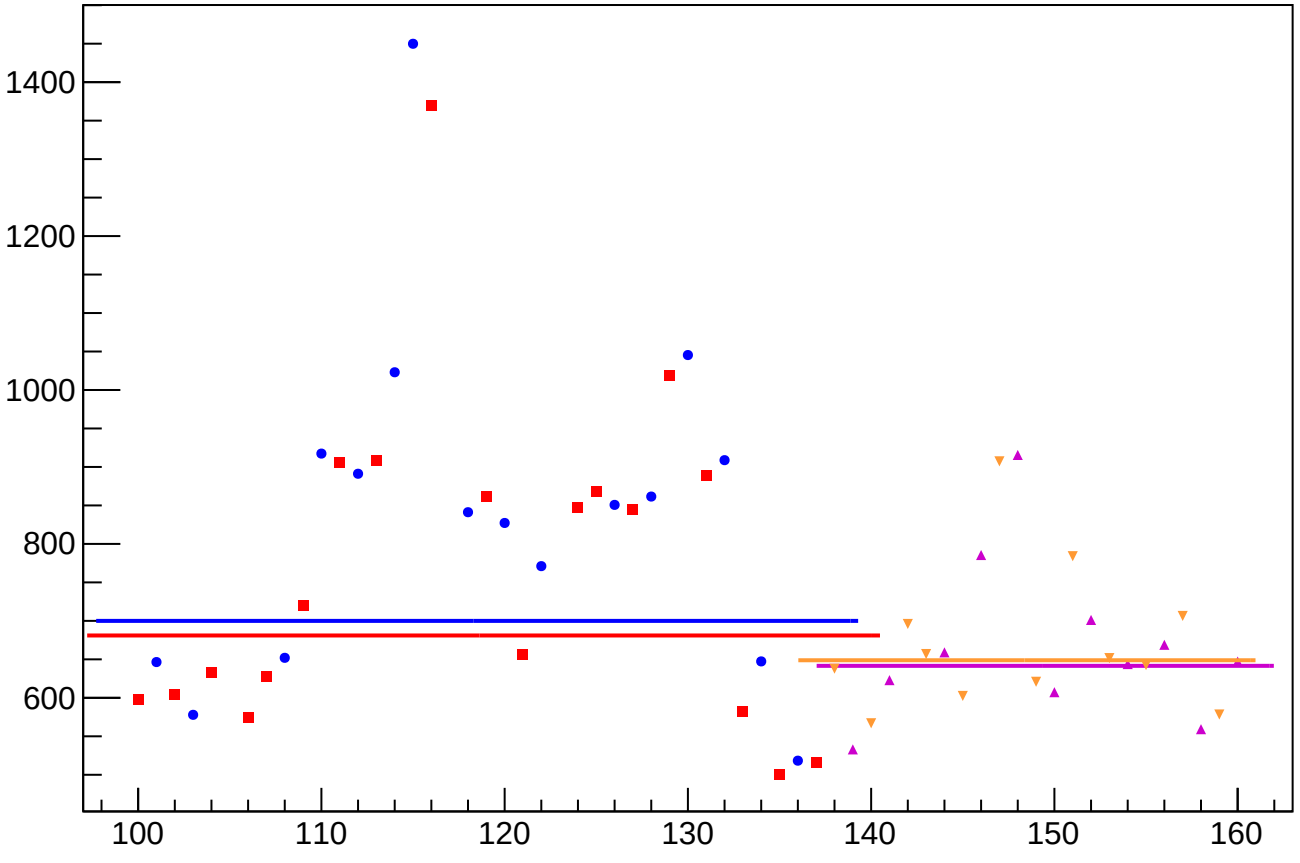
Left In: 217.256+/-210.372 χ^2/NDF:16.0/10

\+ sign 90.020+/-166.365 χ^2/NDF: 23.0/27

All: 206.065+/-116.320 χ^2/NDF: 57.0/57

\- 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: 648.814+/-0.150 χ^2/NDF:268736.8/11

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

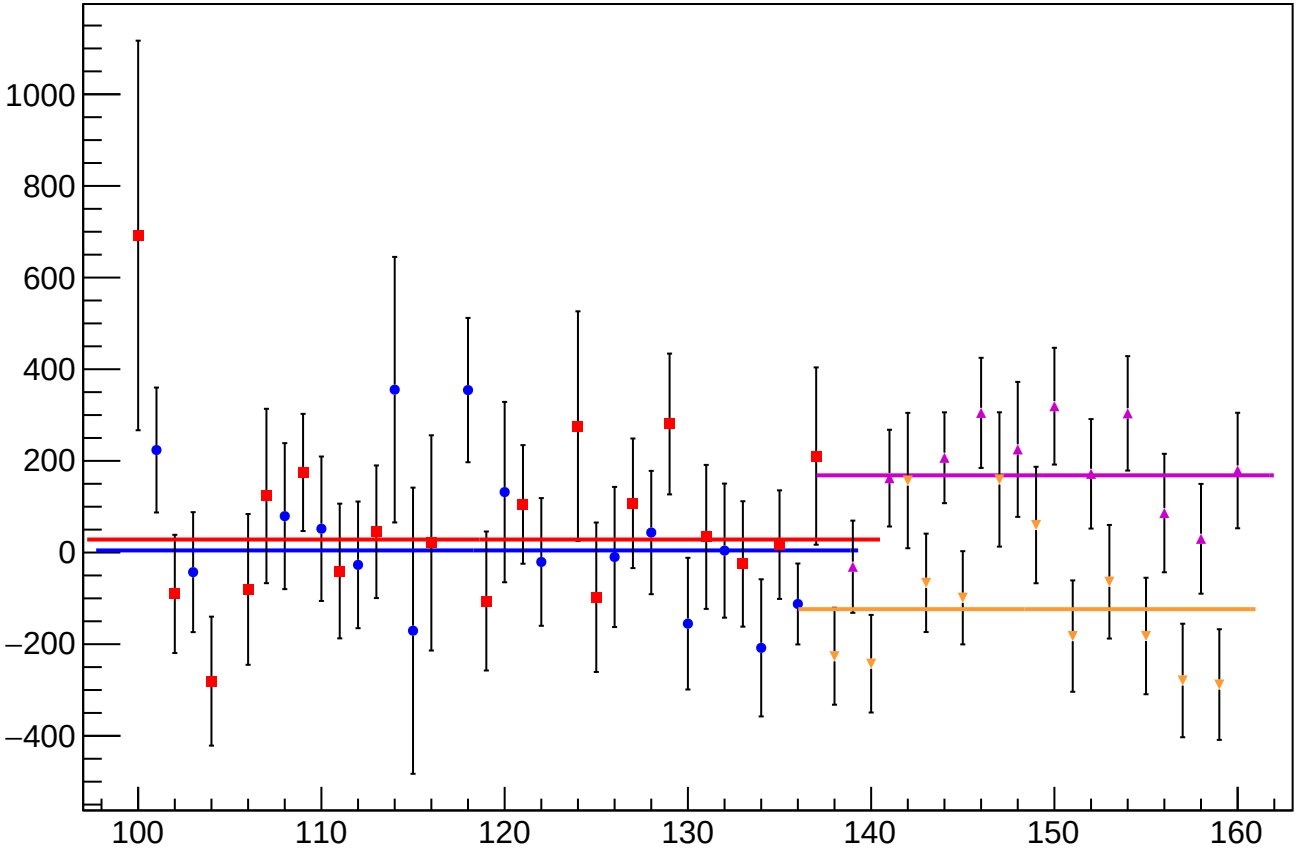
Left In: 641.570+/-0.149 χ^2/NDF:335789.4/10

+ sign 668.600+/-0.118 χ^2/NDF: 1067257.2/27

All: 662.887+/-0.082 χ^2/NDF: 2205317.7/57

- 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: -123.586+/-34.429 χ^2/NDF:16.1/11

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

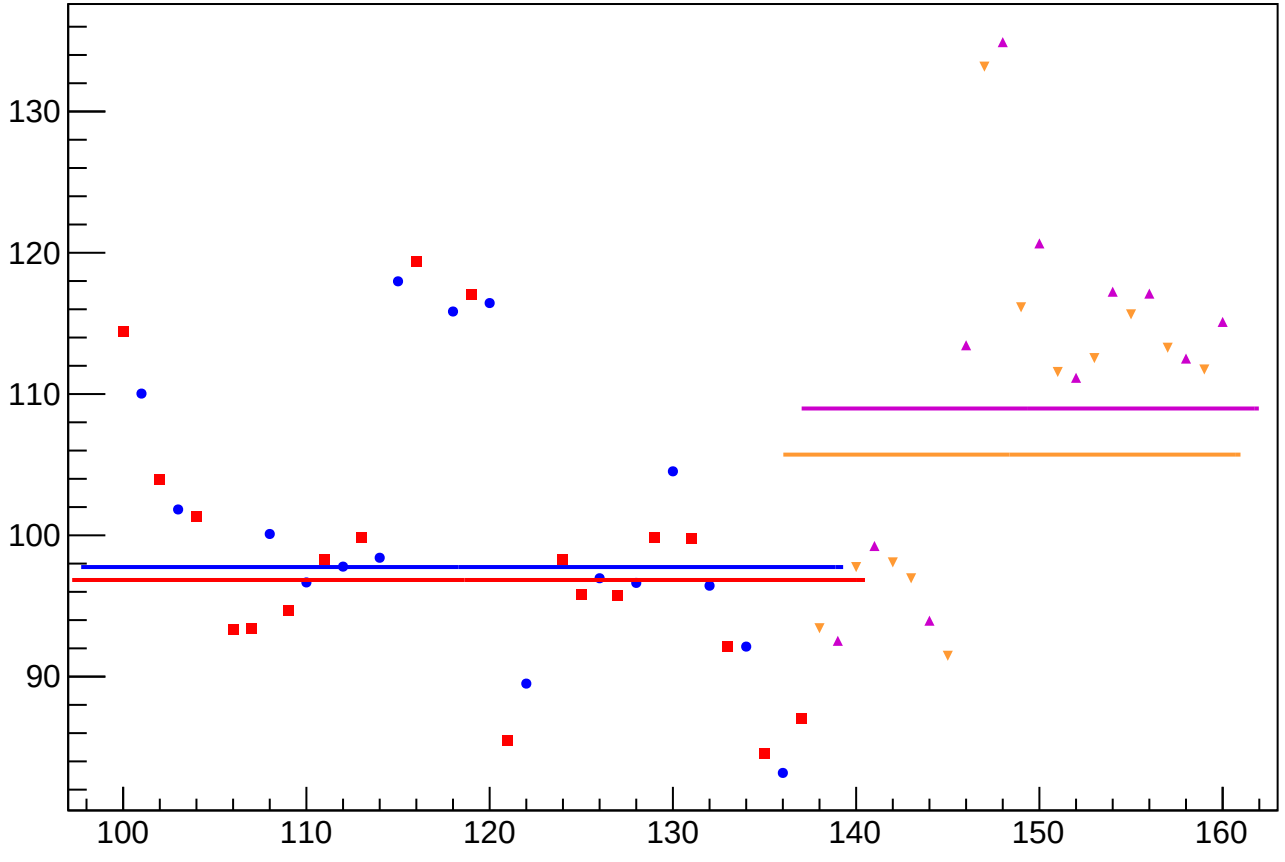
Left In: 168.444+/-35.489 χ^2/NDF:9.8/10

+ sign -63.239+/-25.048 χ^2/NDF: 38.0/27

All: 17.446+/-17.725 χ^2/NDF: 93.5/57

- sign 98.378+/-25.086 χ^2/NDF: 34.7/29

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 105.714+/-0.024 χ^2/NDF:214989.6/11

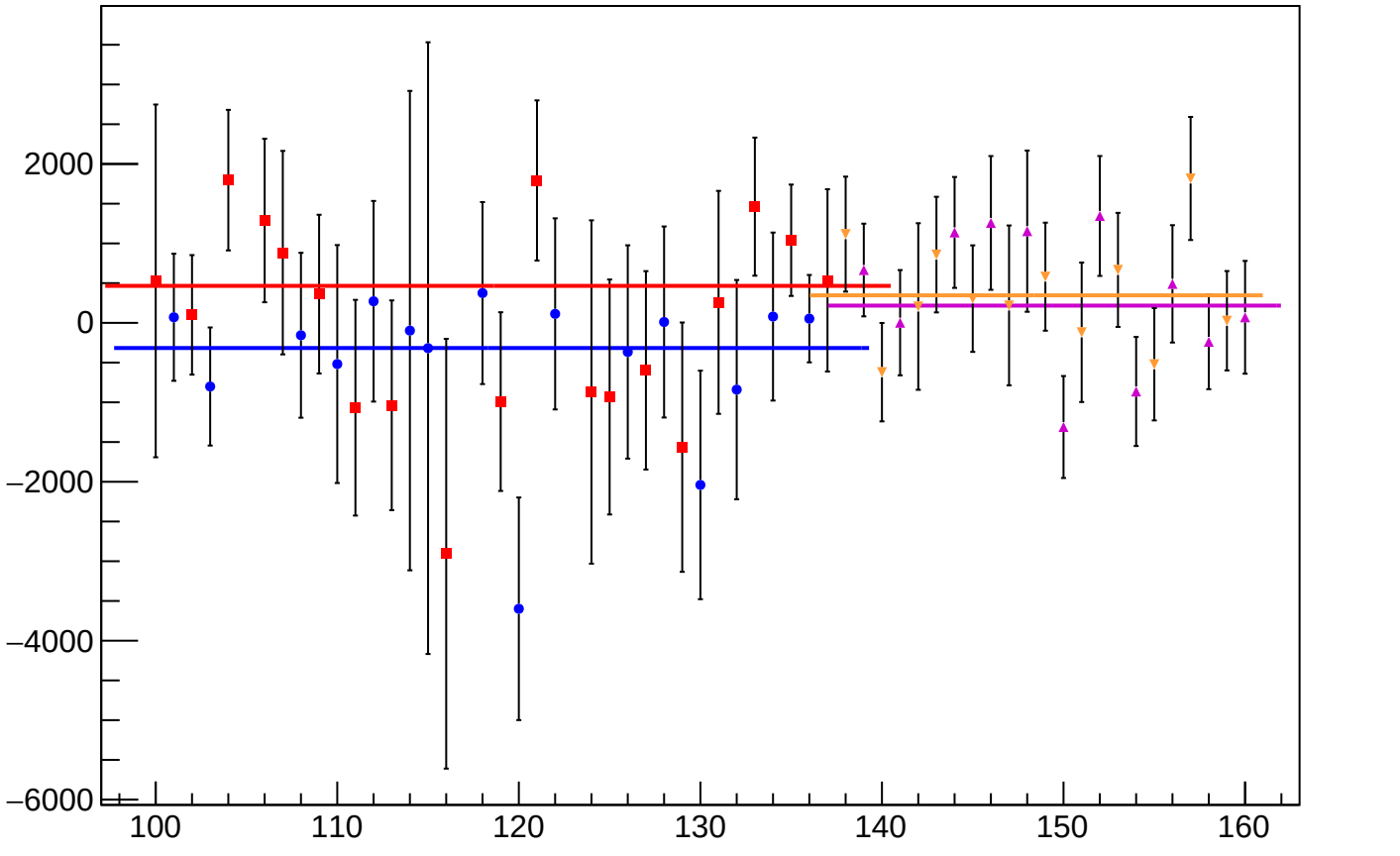
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 108.978+/-0.025 χ^2/NDF:221748.9/10

+ sign 101.968+/-0.018 χ^2/NDF: 405941.0/27

All: 102.435+/-0.013 χ^2/NDF: 861325.1/57

- 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: 346.437+/-212.443 χ^2/NDF:10.1/11

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

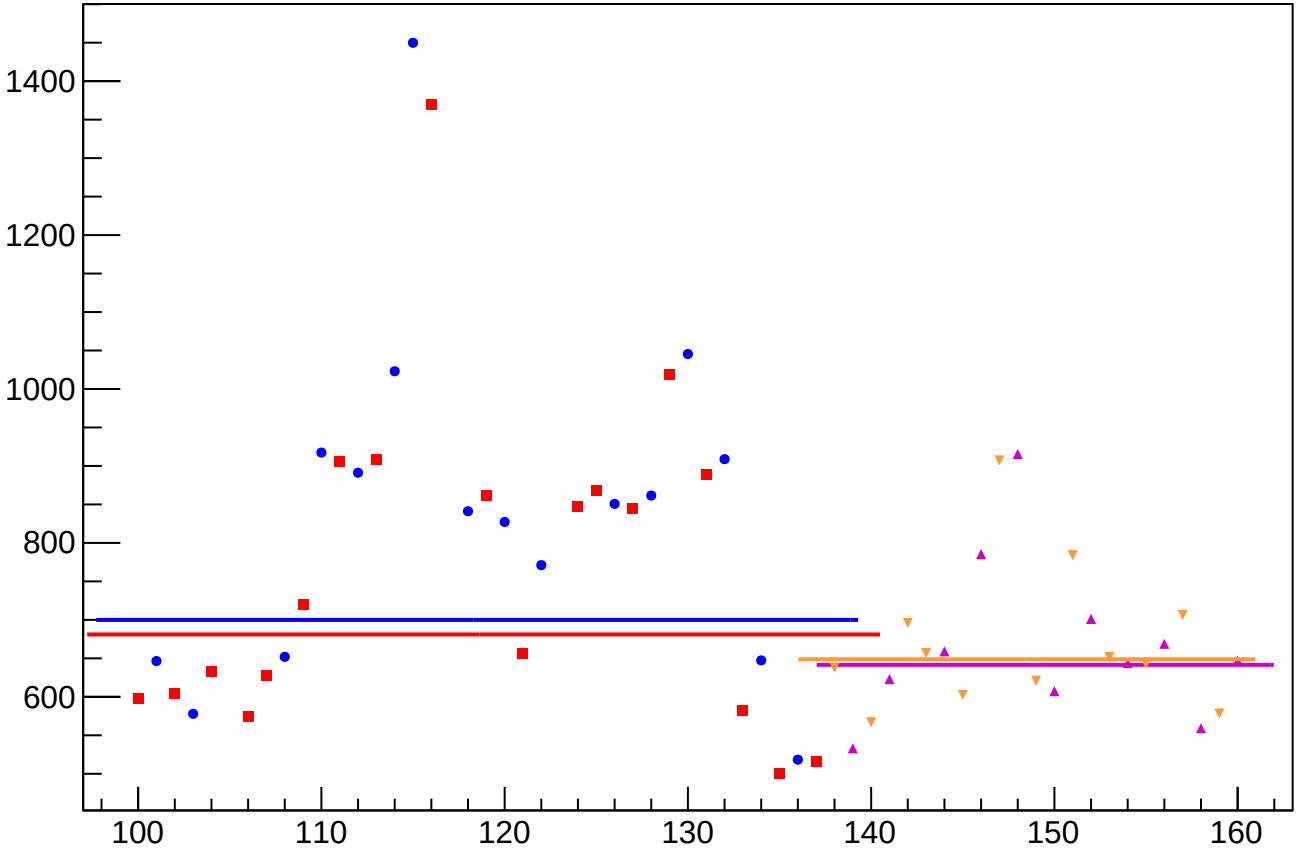
Left In: 217.258+/-210.373 χ^2/NDF:16.0/10

\+ sign 90.020+/-166.365 χ^2/NDF: 23.0/27

All: 206.066+/-116.320 χ^2/NDF: 57.0/57

\- 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: 648.815+/-0.150 χ^2/NDF:268737.7/11

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

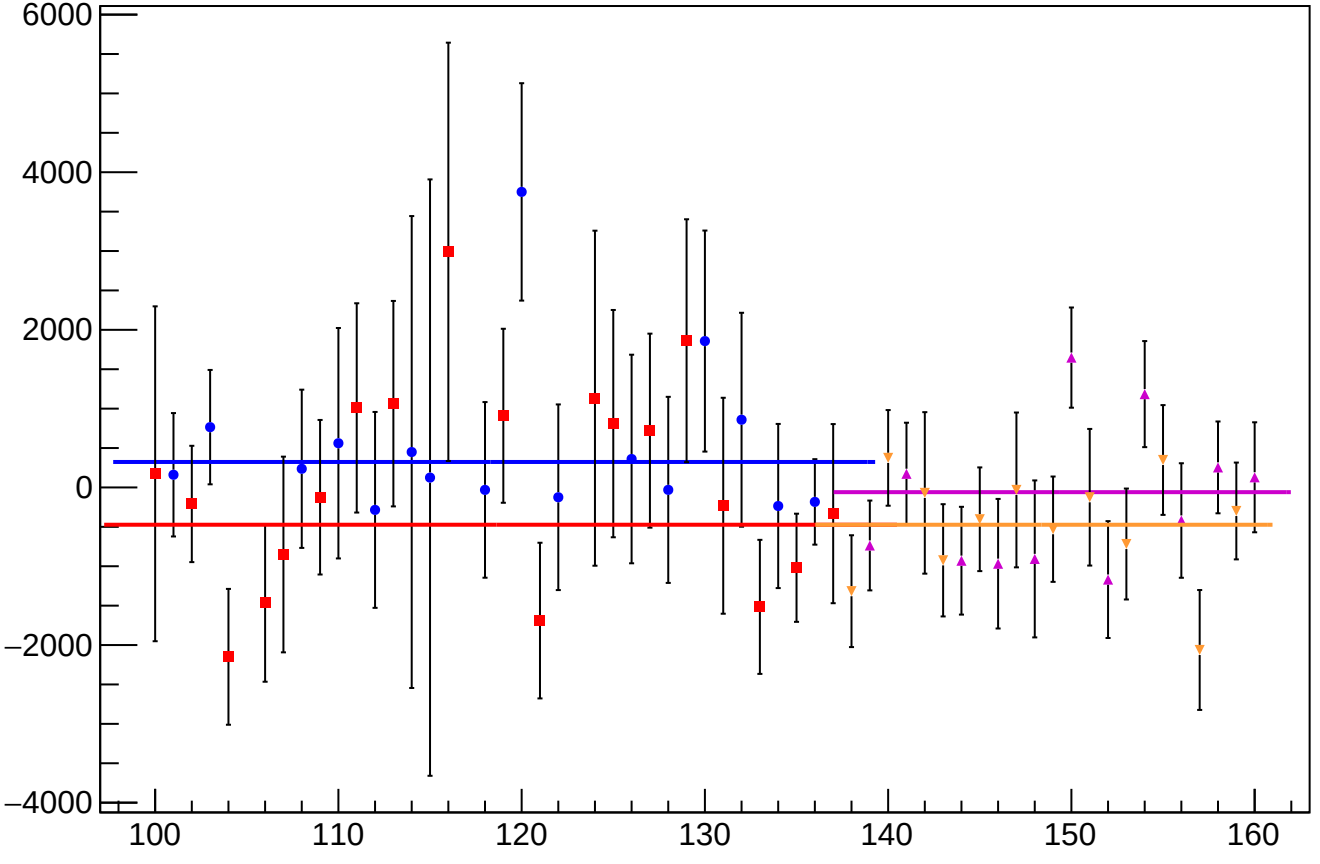
Left In: 641.571+/-0.149 χ^2/NDF:335791.0/10

+ sign 668.600+/-0.118 χ^2/NDF: 1067256.8/27

All: 662.887+/-0.082 χ^2/NDF: 2205318.8/57

- 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: -473.484+/-208.522 χ^2/NDF:10.3/11

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

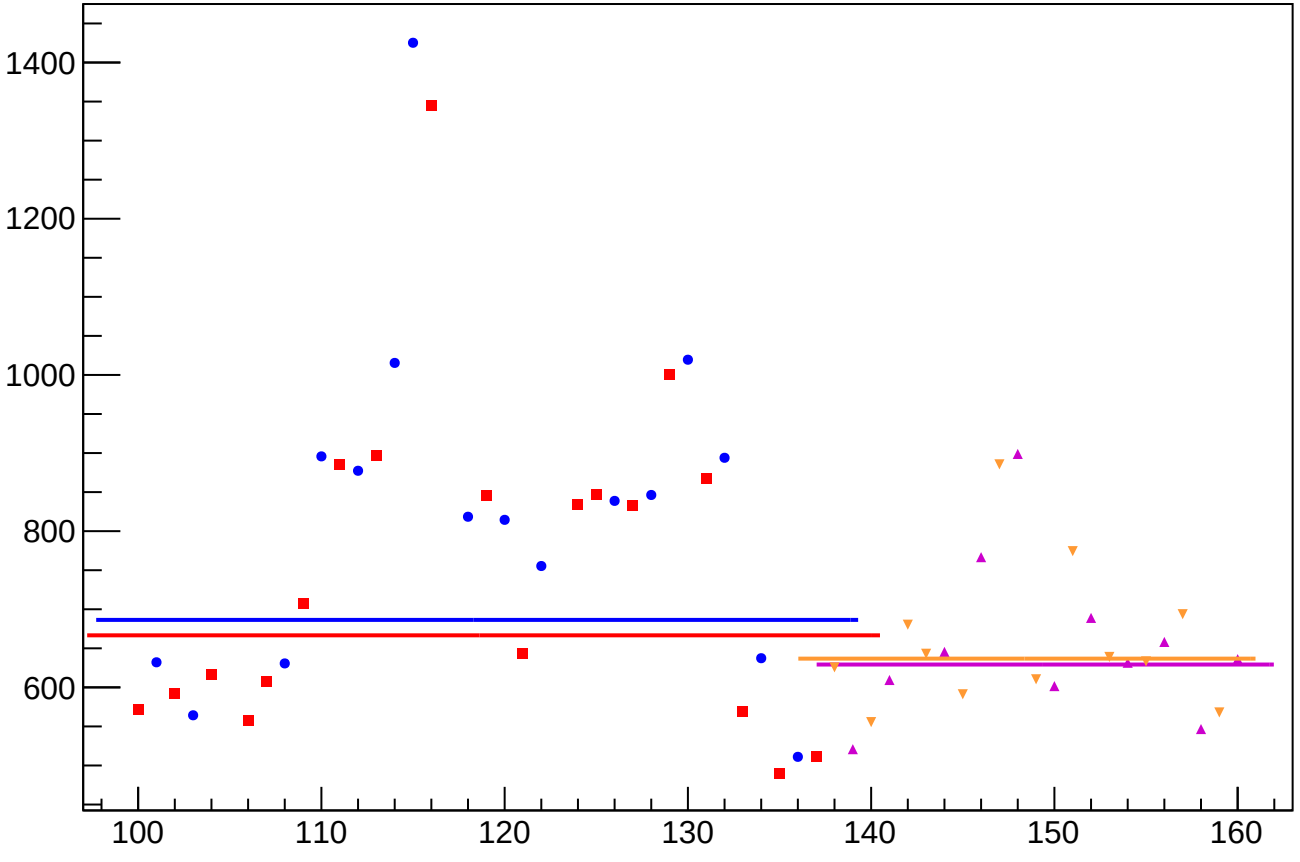
Left In: -59.871+/-206.377 χ^2/NDF:18.6/10

+ sign -165.015+/-163.236 χ^2/NDF: 25.6/27

All: -196.389+/-114.080 χ^2/NDF: 65.3/57

- 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: 636.799+/-0.147 χ^2/NDF:267855.4/11

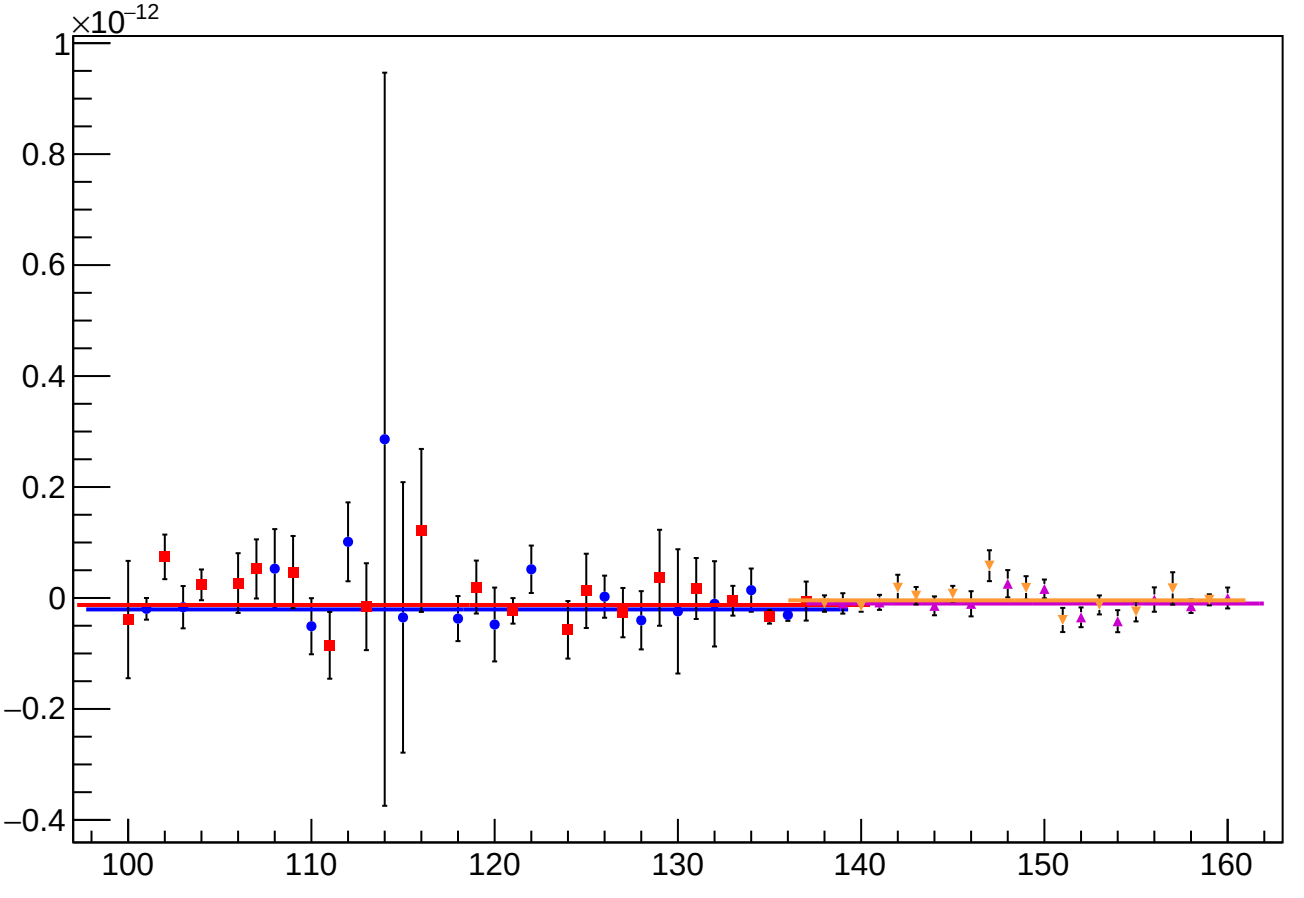
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 629.249+/-0.146 χ^2/NDF:338122.9/10

+ sign 656.002+/-0.115 χ^2/NDF: 1061115.2/27

All: 650.018+/-0.081 χ^2/NDF: 2207956.2/57

- sign 644.305+/-0.113 χ^2/NDF: 1141587.5/29



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/11

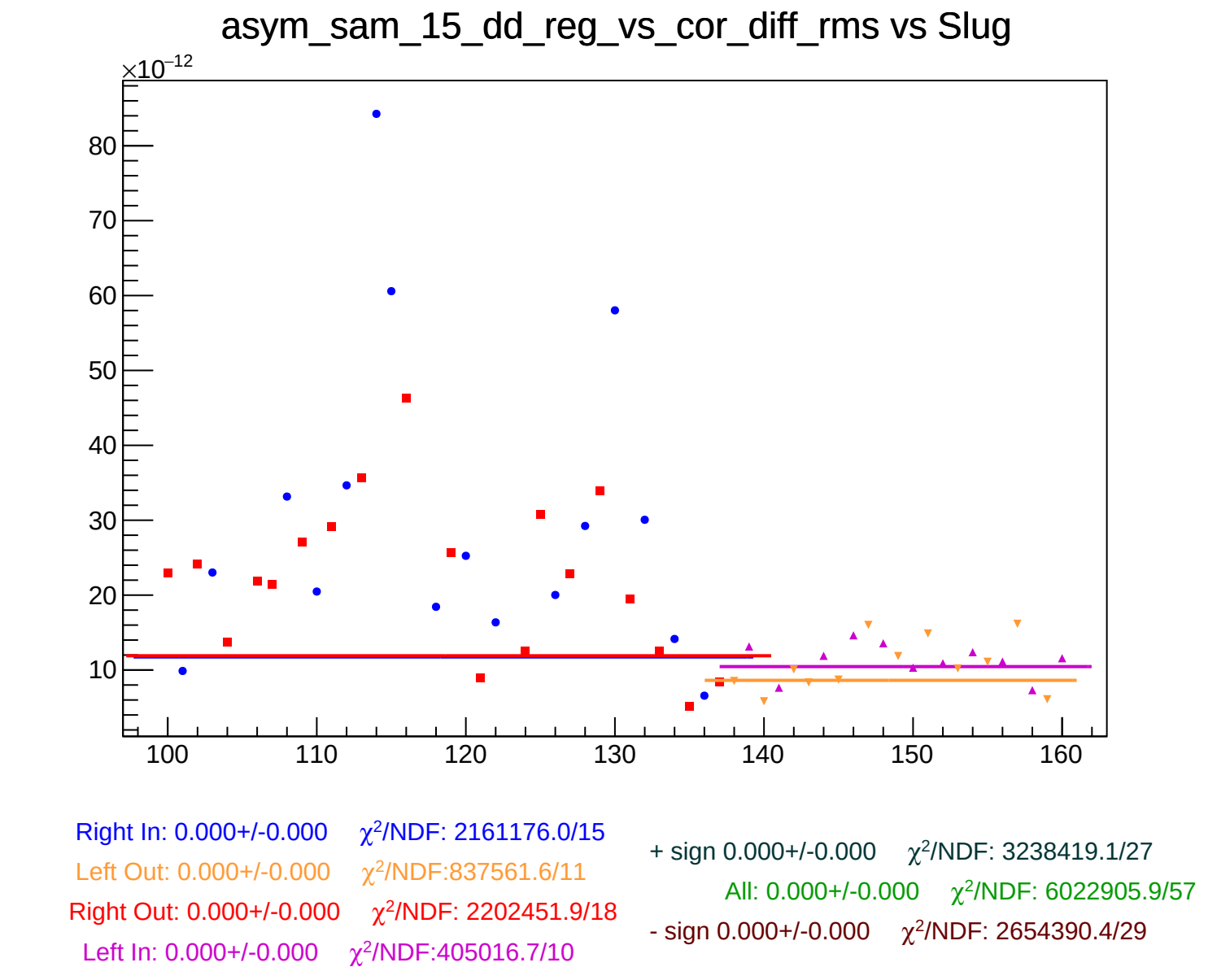
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.7/10

+ sign -0.000+/-0.000 χ^2/NDF: 27.3/27

All: -0.000+/-0.000 χ^2/NDF: 54.2/57

- sign -0.000+/-0.000 χ^2/NDF: 26.8/29


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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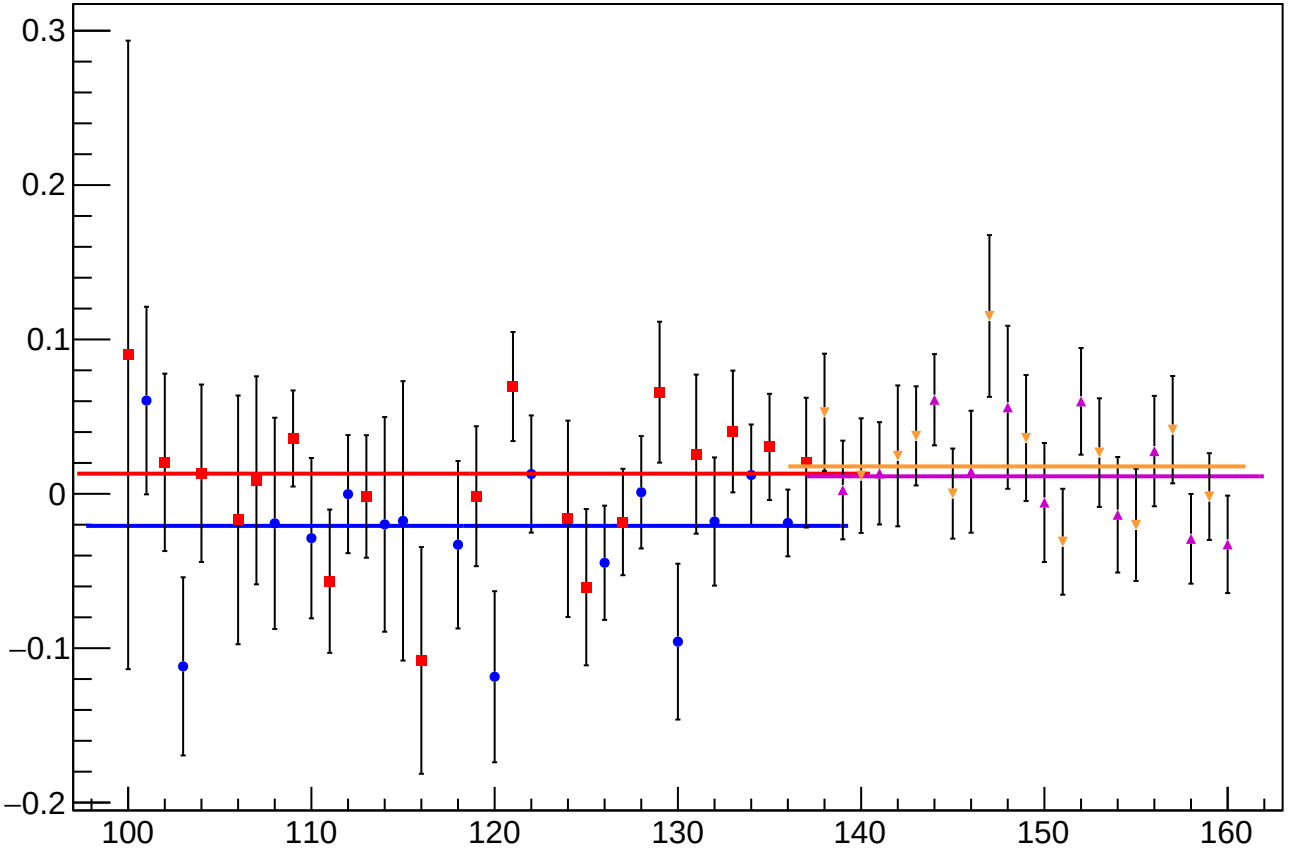
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:837561.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:405016.7/10
+ sign 0.000+/-0.000 χ²/NDF: 3238419.1/27
All: 0.000+/-0.000 χ²/NDF: 6022905.9/57
- sign 0.000+/-0.000 χ²/NDF: 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: 0.018+/-0.010 χ^2/NDF:9.4/11

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

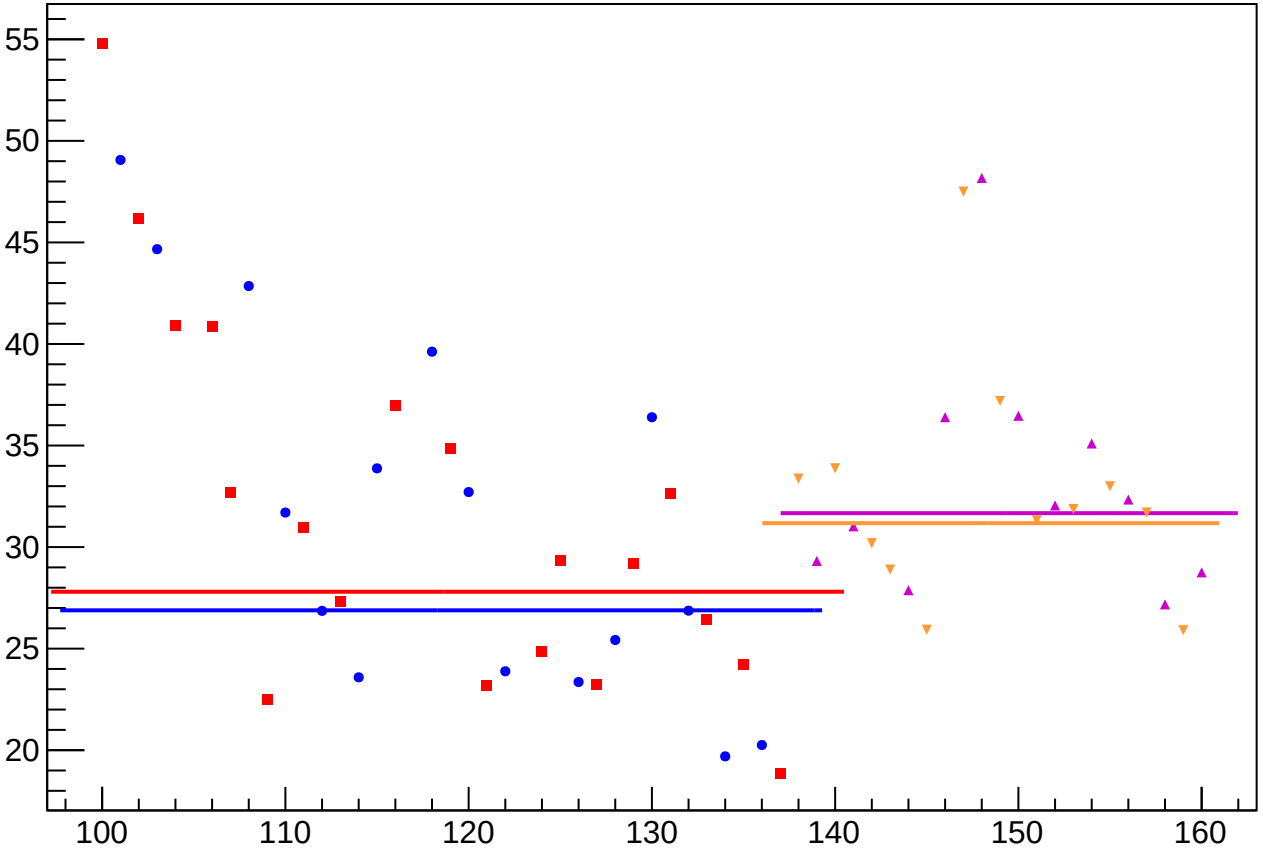
Left In: 0.011+/-0.010 χ^2/NDF:10.3/10

+ sign -0.001+/-0.007 χ^2/NDF: 28.9/27

All: 0.006+/-0.005 χ^2/NDF: 54.7/57

- 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: 31.178+/-0.007 χ^2/NDF:407256.9/11

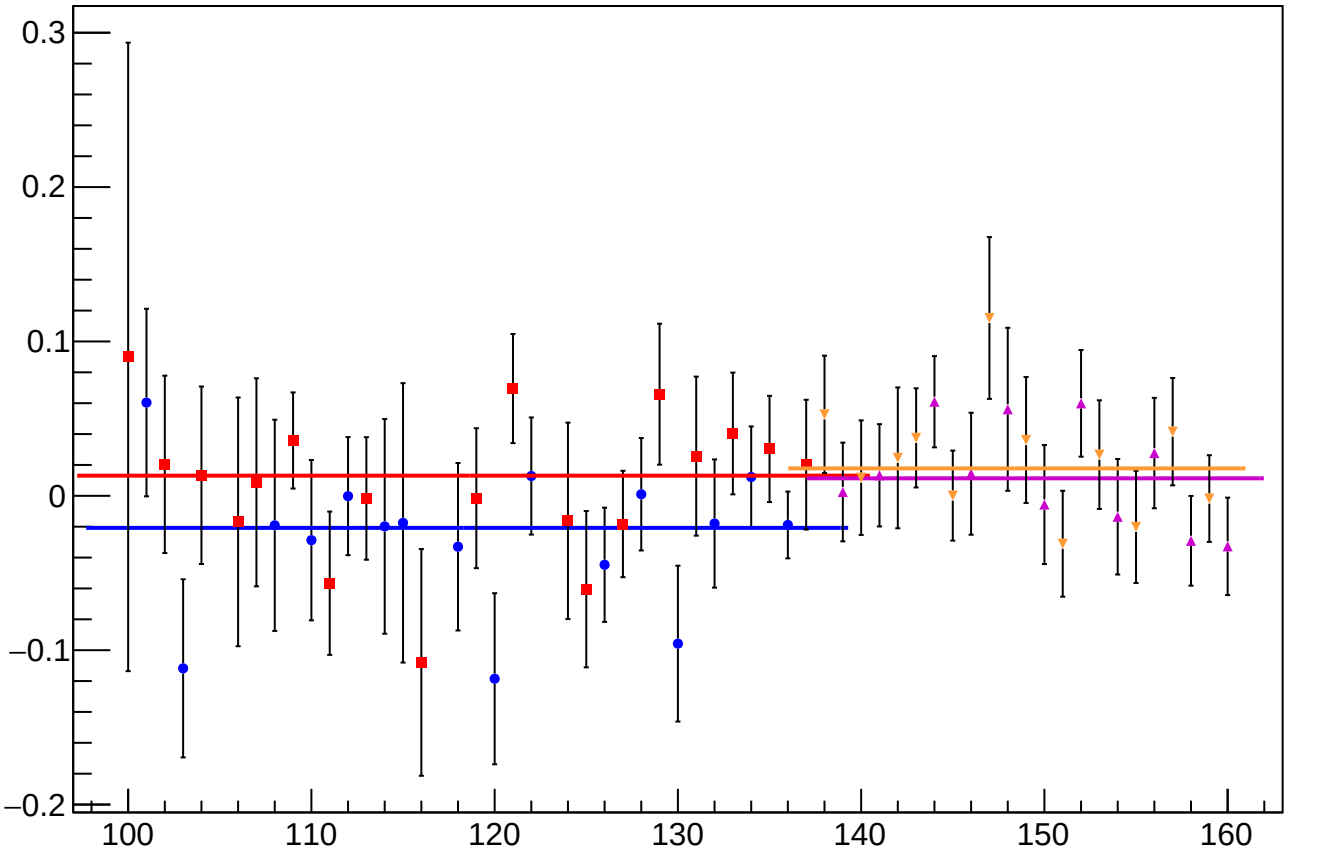
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.670+/-0.007 χ^2/NDF:382015.4/10

+ sign 29.086+/-0.005 χ^2/NDF: 1698802.0/27

All: 29.420+/-0.004 χ^2/NDF: 2988628.2/57

- 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: 0.018+/-0.010 χ^2/NDF:9.4/11

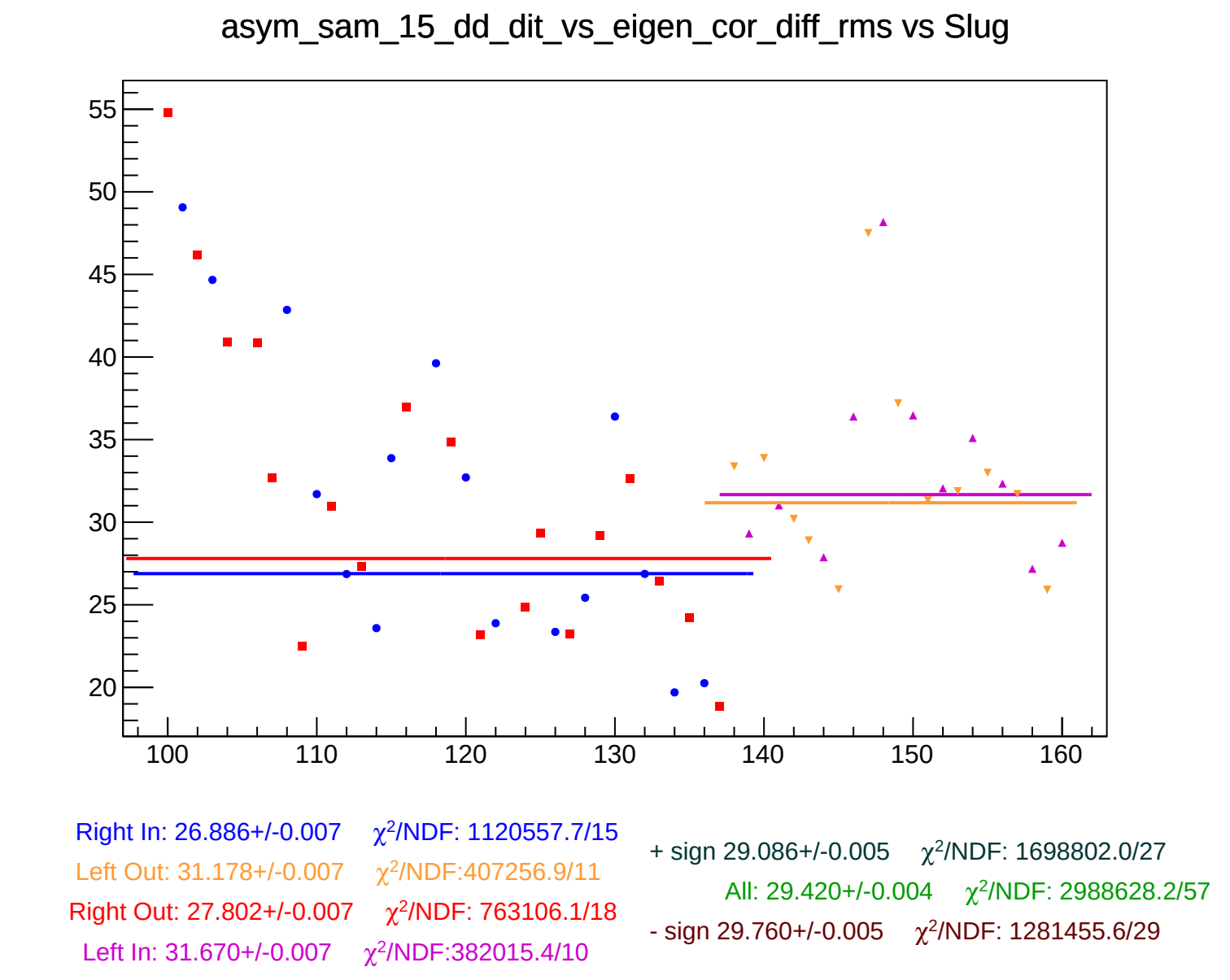
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.011+/-0.010 χ^2/NDF:10.3/10

+ sign -0.001+/-0.007 χ^2/NDF: 28.9/27

All: 0.006+/-0.005 χ^2/NDF: 54.7/57

- sign 0.012+/-0.007 χ^2/NDF: 24.3/29


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug
55
50
45
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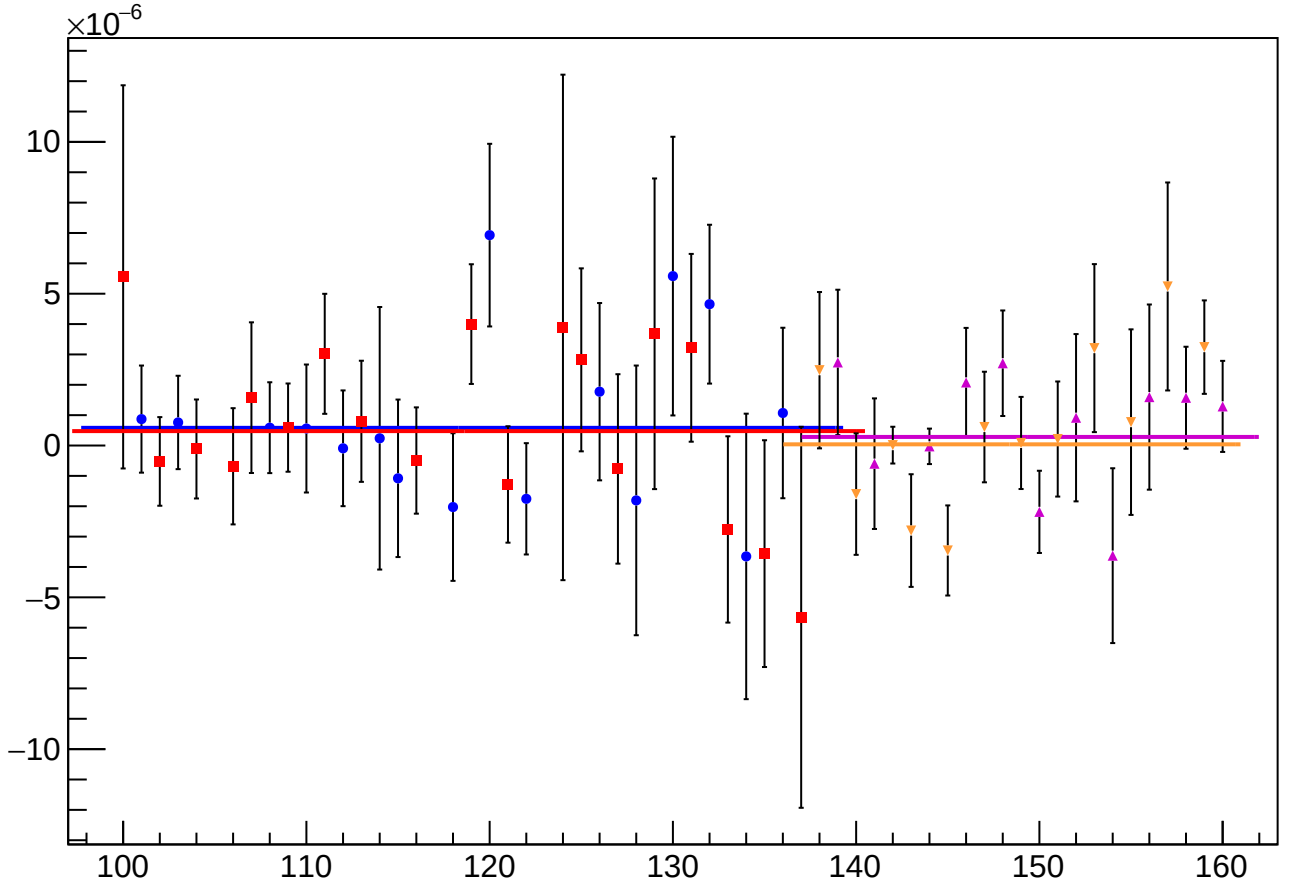
35
30
25
20
100
110
120
130
140
150
160
Right In: 26.886+/-0.007 χ²/NDF: 1120557.7/15
Left Out: 31.178+/-0.007 χ²/NDF:407256.9/11
Right Out: 27.802+/-0.007 χ²/NDF: 763106.1/18
Left In: 31.670+/-0.007 χ²/NDF:382015.4/10
+ sign 29.086+/-0.005 χ²/NDF: 1698802.0/27
All: 29.420+/-0.004 χ²/NDF: 2988628.2/57
- 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:17.6/11

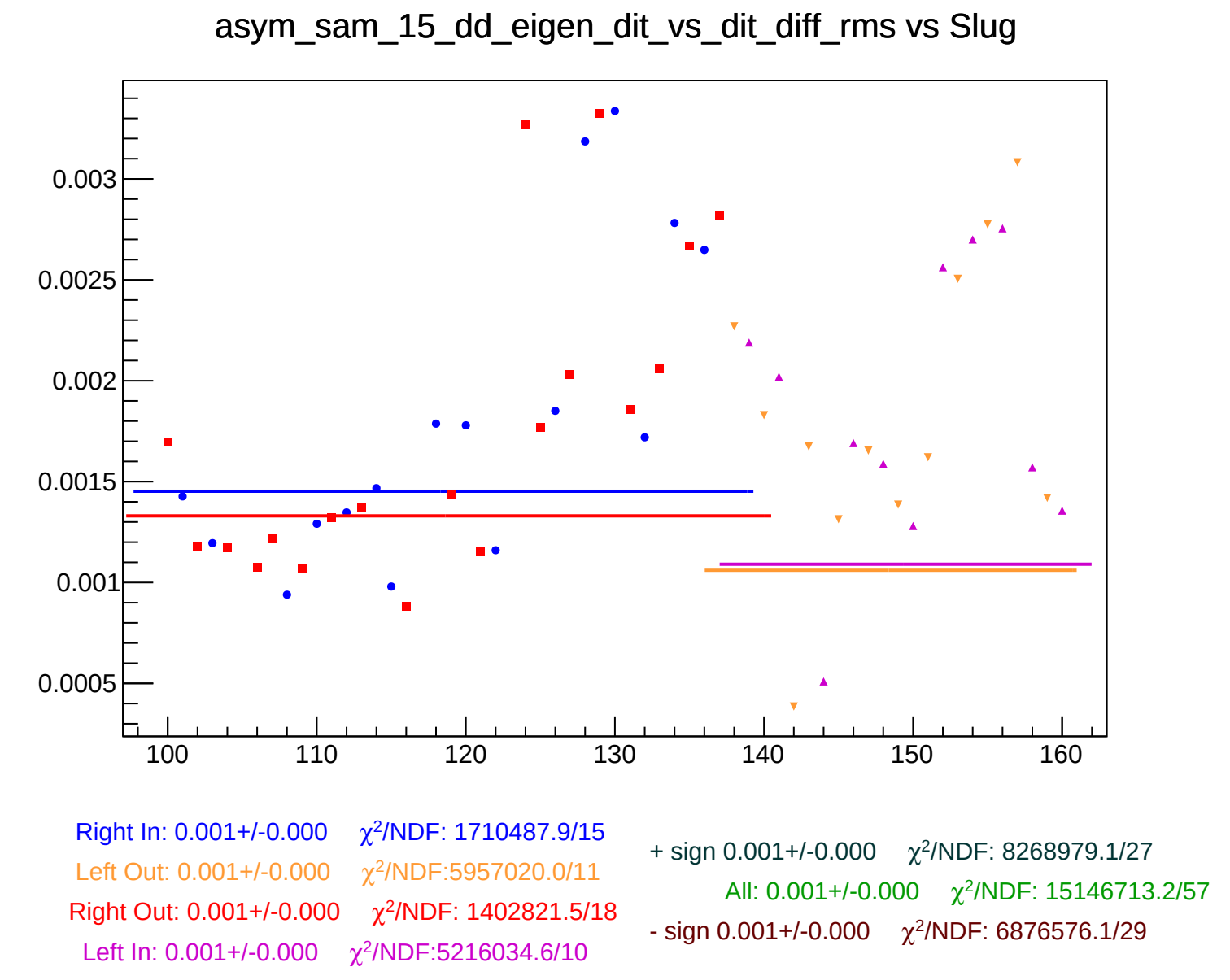
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

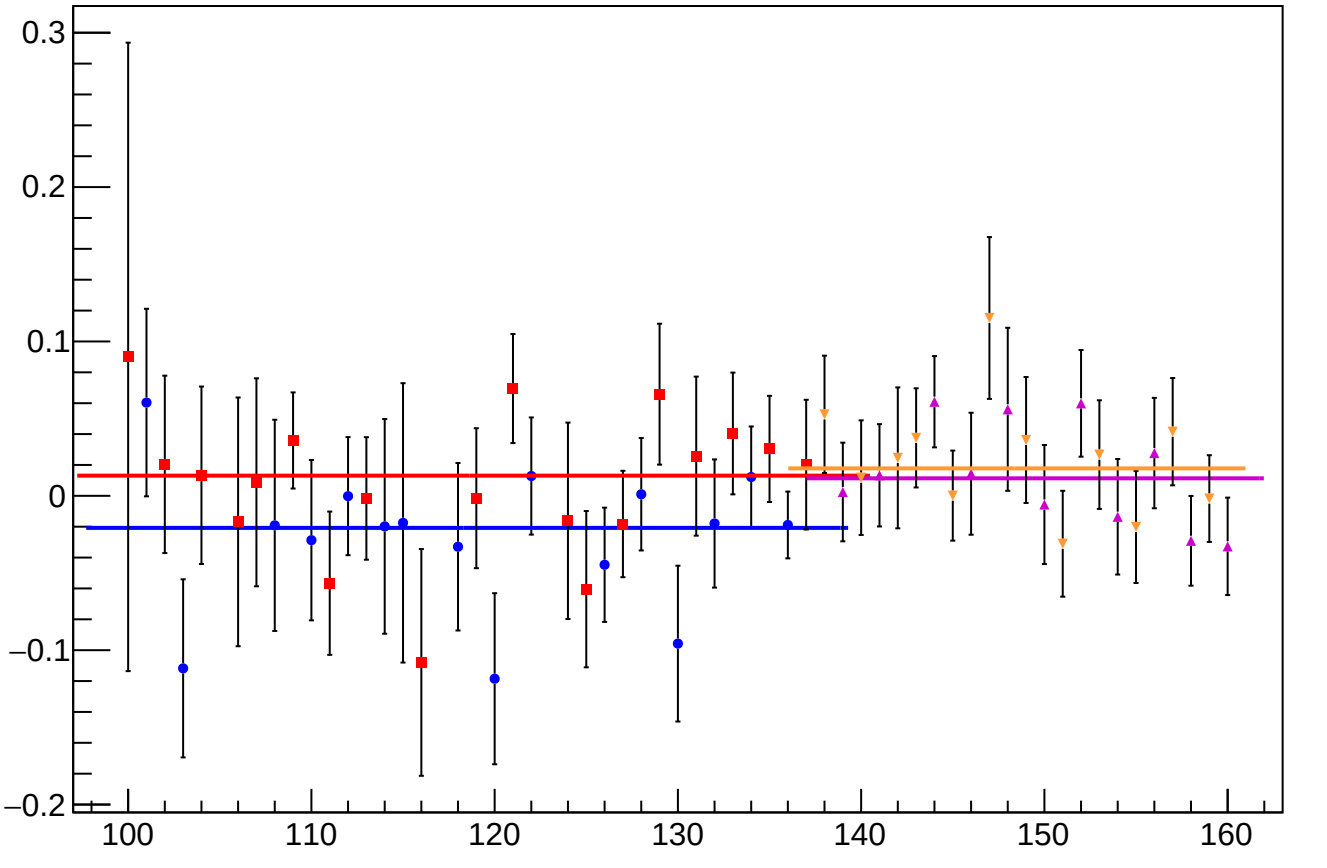
Left In: 0.000+/-0.000 χ^2/NDF:10.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 30.9/27

All: 0.000+/-0.000 χ^2/NDF: 55.1/57

- sign 0.000+/-0.000 χ^2/NDF: 24.2/29


asym_sam_15_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: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:5957020.0/11
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: 8268979.1/27
All: 0.001+/-0.000 χ²/NDF: 15146713.2/57
- sign 0.001+/-0.000 χ²/NDF: 6876576.1/29



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.010 χ^2/NDF:9.4/11

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

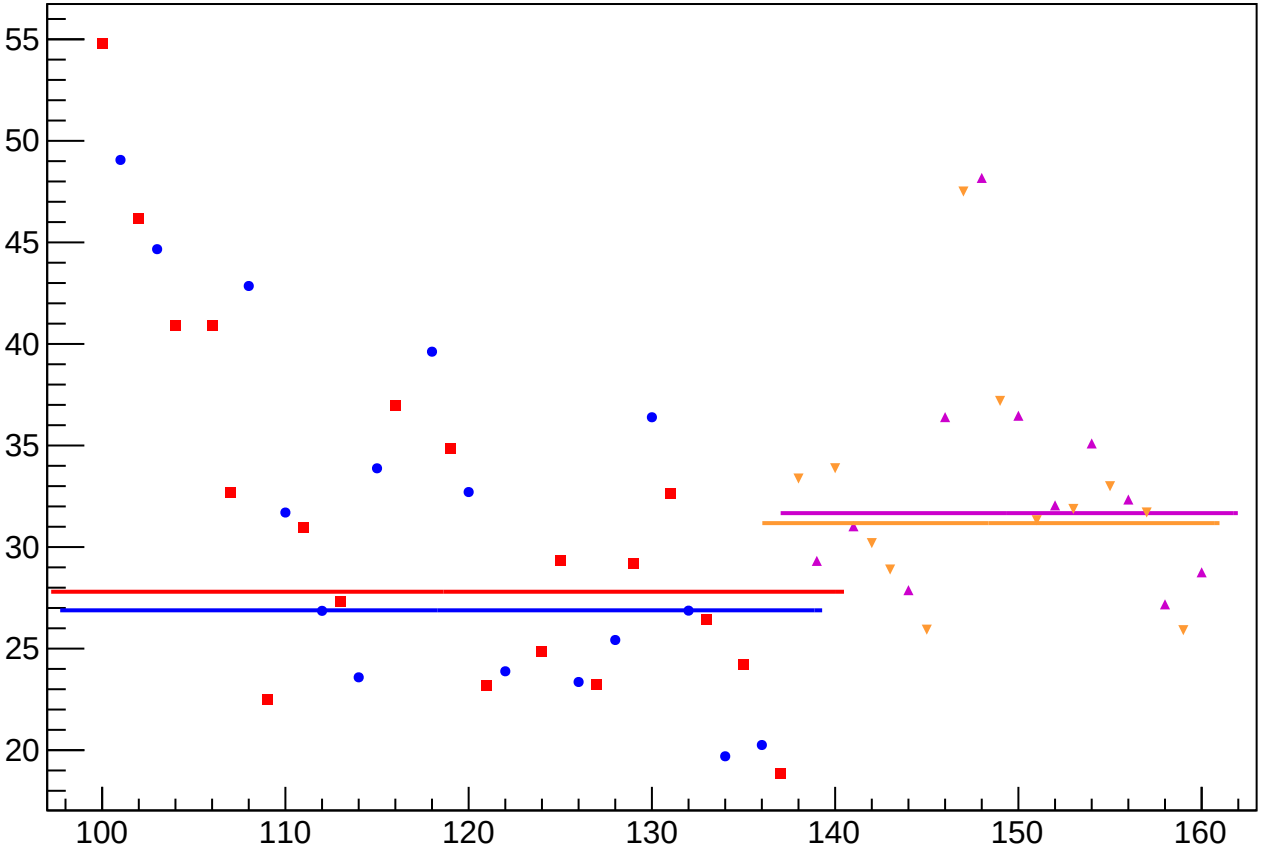
Left In: 0.011+/-0.010 χ^2/NDF:10.3/10

+ sign -0.001+/-0.007 χ^2/NDF: 28.9/27

All: 0.006+/-0.005 χ^2/NDF: 54.7/57

- sign 0.012+/-0.007 χ^2/NDF: 24.3/29

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.178+/-0.007 χ^2/NDF:407343.9/11

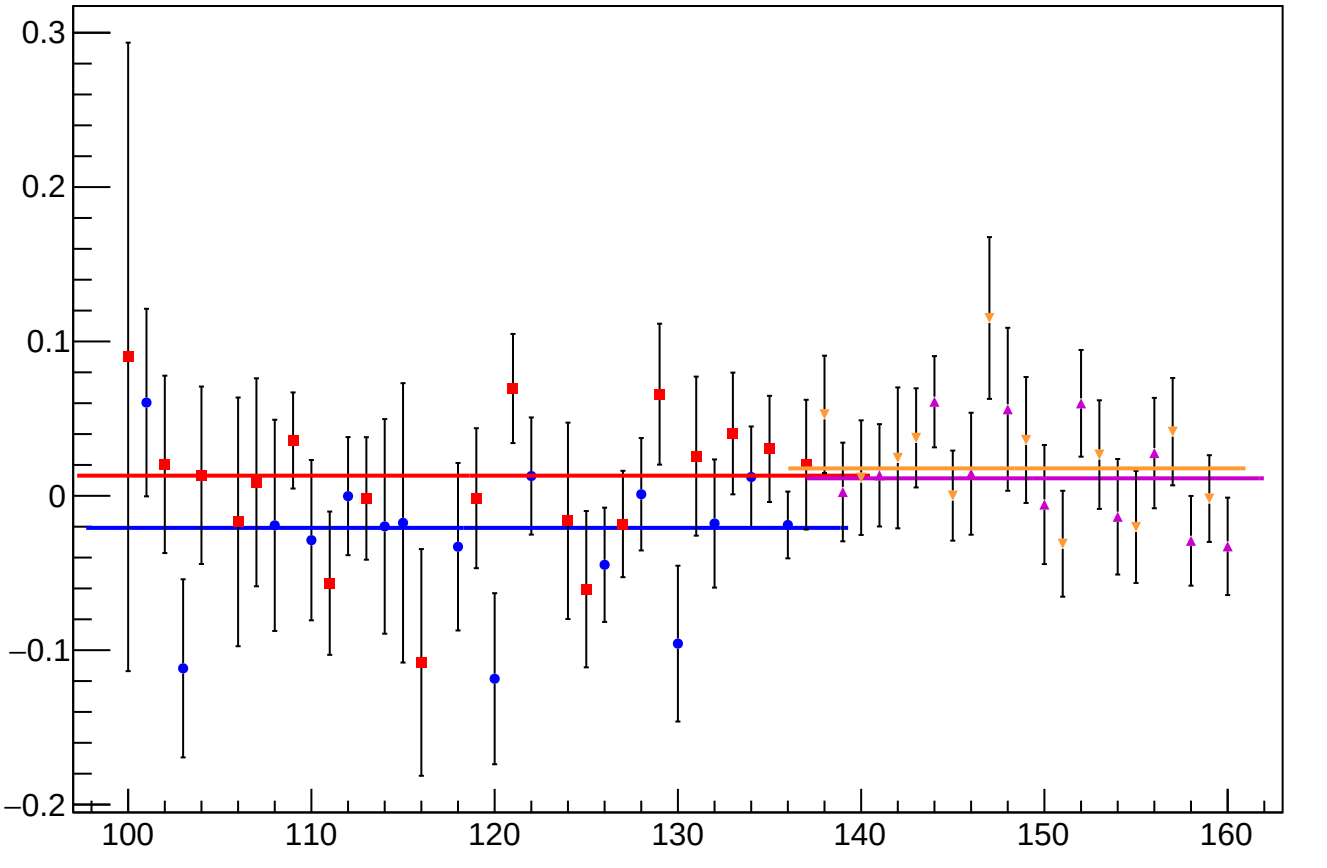
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.670+/-0.007 χ^2/NDF:382068.1/10

+ sign 29.085+/-0.005 χ^2/NDF: 1698979.1/27

All: 29.419+/-0.004 χ^2/NDF: 2989076.4/57

- sign 29.760+/-0.005 χ^2/NDF: 1281731.2/29



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.010 χ^2/NDF:9.4/11

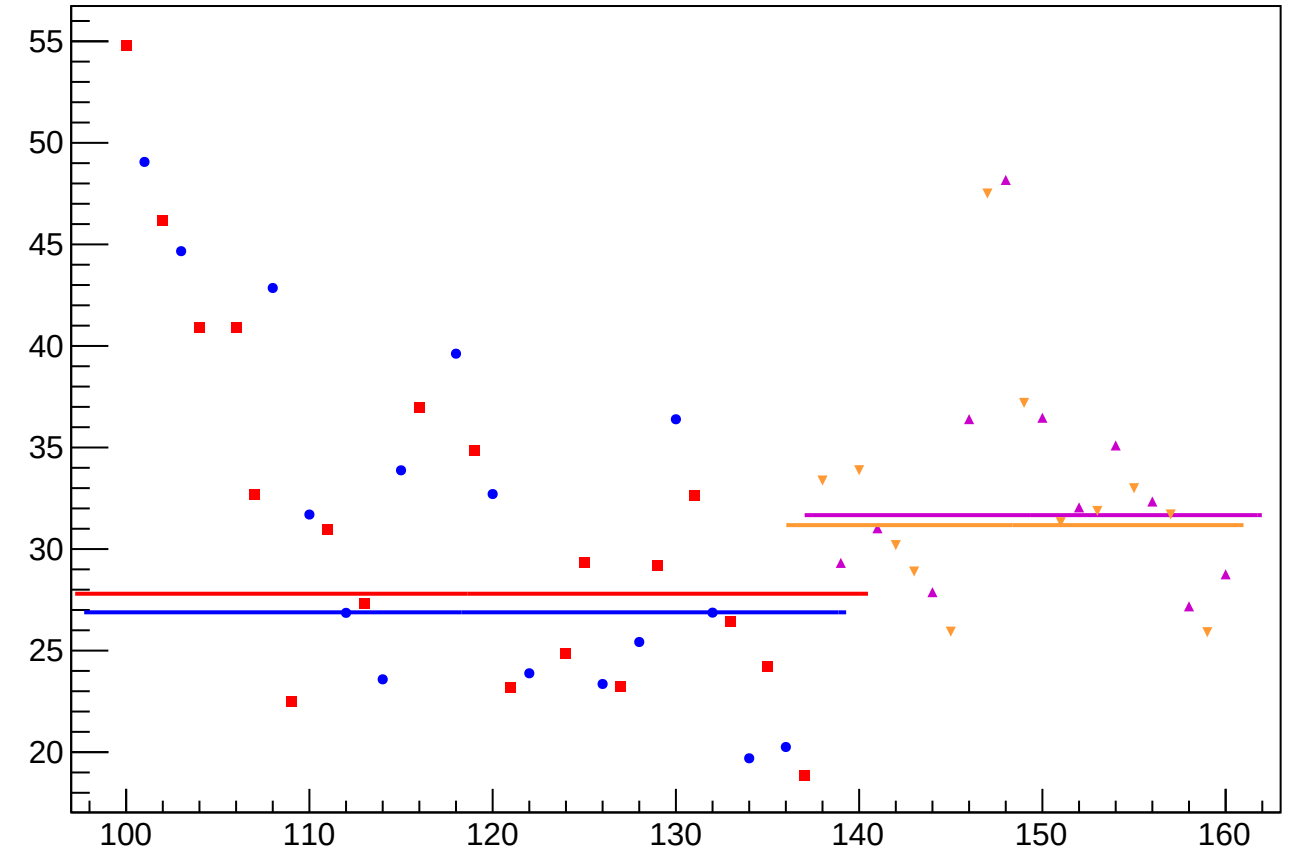
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.011+/-0.010 χ^2/NDF:10.3/10

+ sign -0.001+/-0.007 χ^2/NDF: 28.9/27

All: 0.006+/-0.005 χ^2/NDF: 54.7/57

- sign 0.012+/-0.007 χ^2/NDF: 24.3/29



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.178+/-0.007 χ^2/NDF:407343.9/11

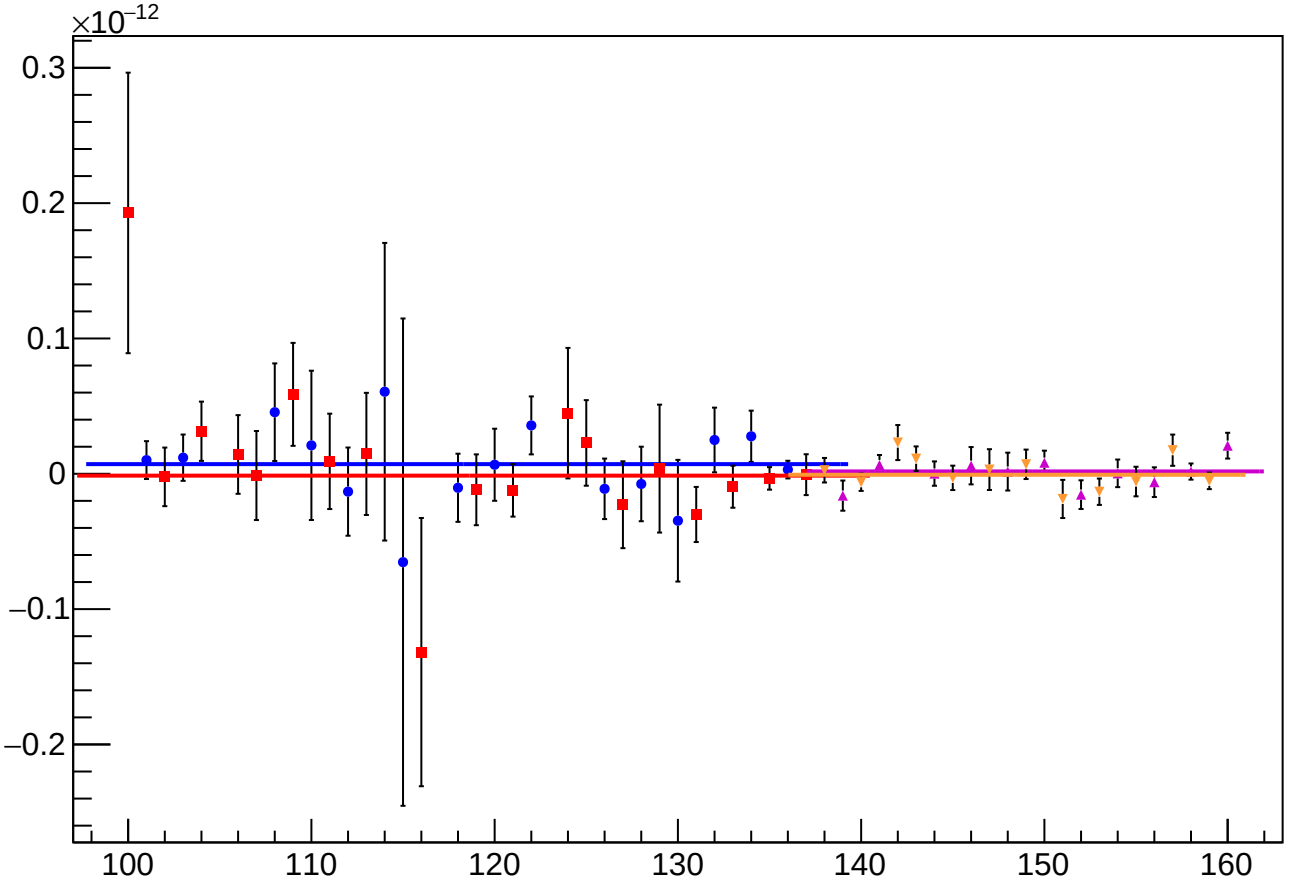
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.670+/-0.007 χ^2/NDF:382068.1/10

+ sign 29.085+/-0.005 χ^2/NDF: 1698979.1/27

All: 29.419+/-0.004 χ^2/NDF: 2989076.4/57

- sign 29.760+/-0.005 χ^2/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:13.1/11

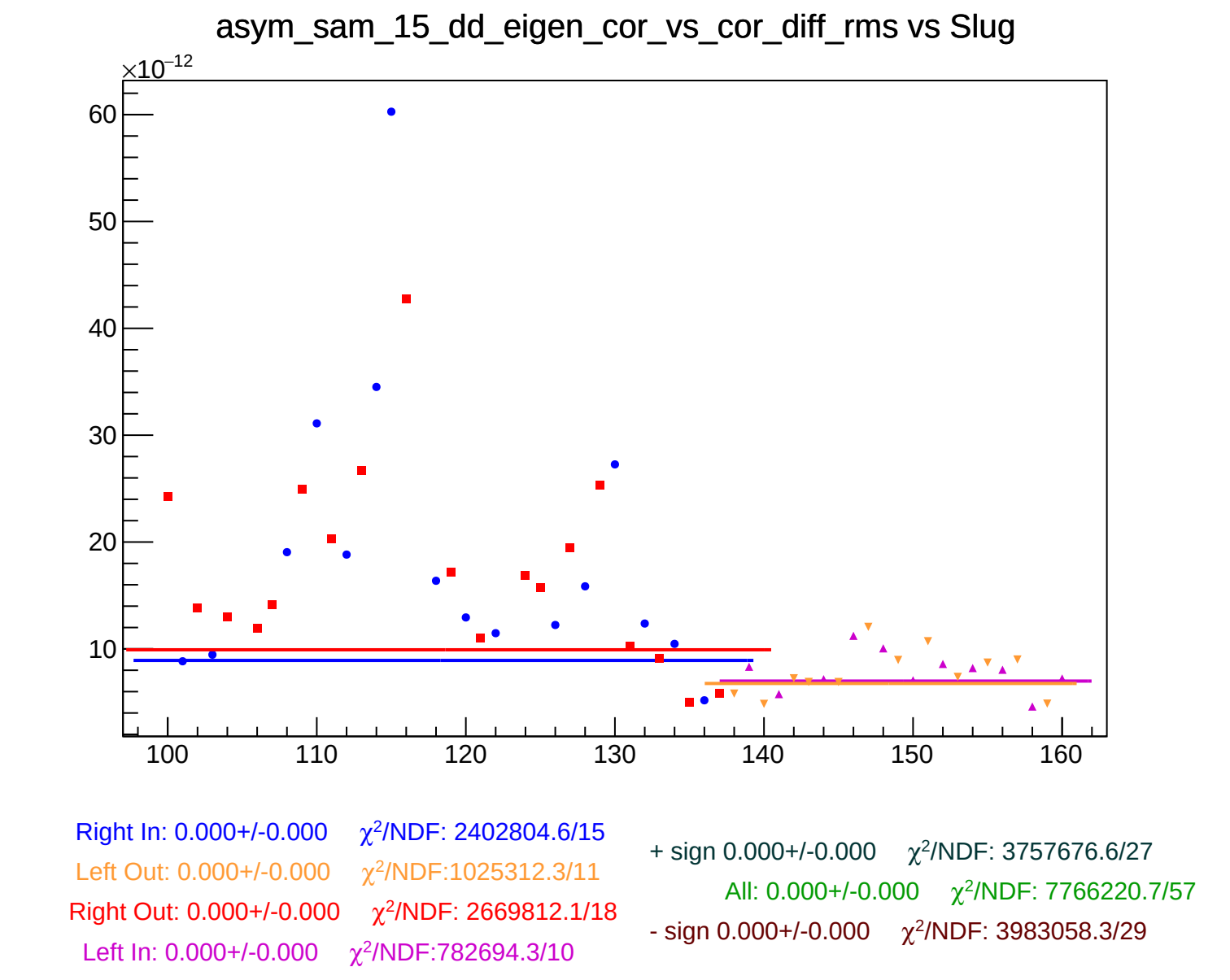
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/10

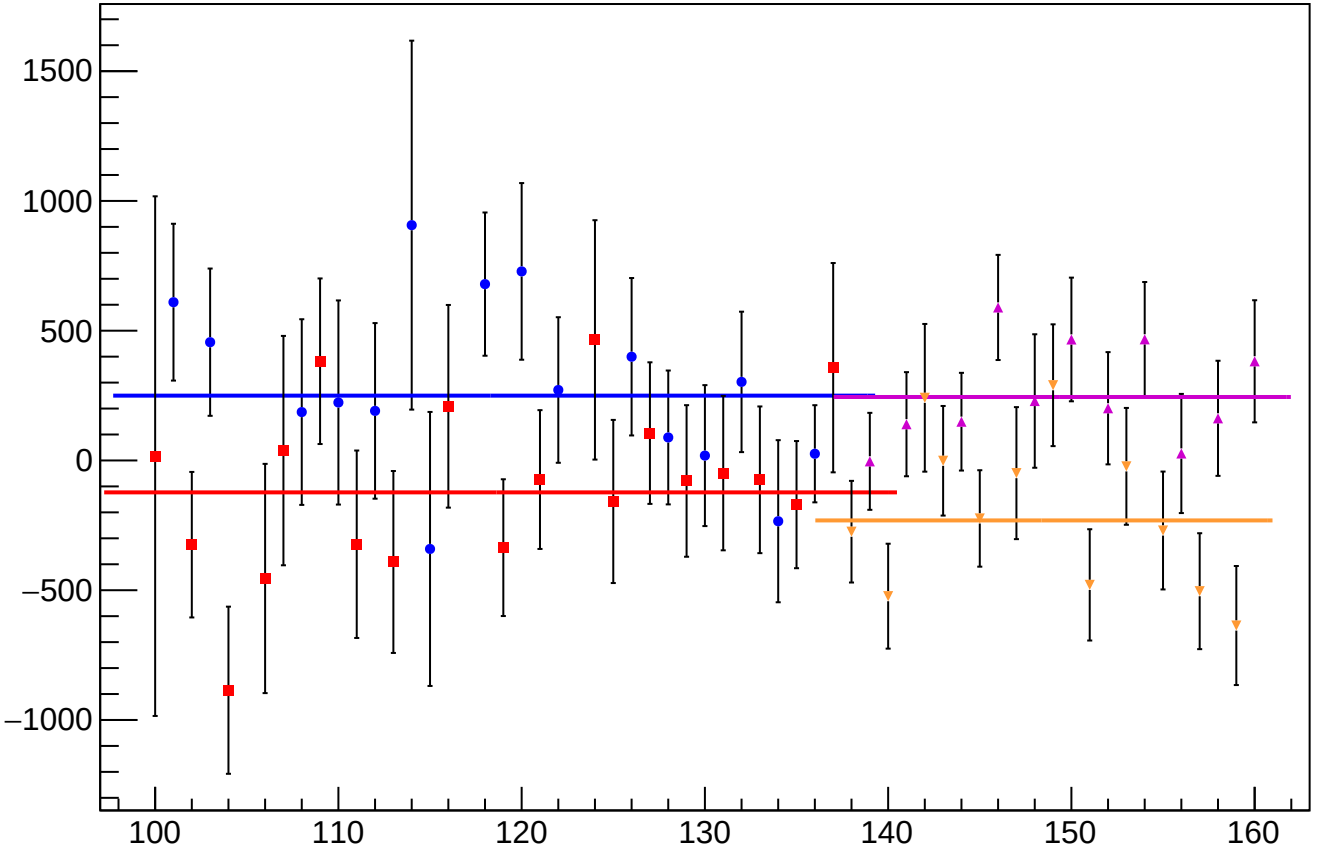
\+ sign 0.000+/-0.000 χ^2/NDF: 23.6/27

All: 0.000+/-0.000 χ^2/NDF: 49.9/57

\- sign 0.000+/-0.000 χ^2/NDF: 26.3/29


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1025312.3/11
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:782694.3/10
+ sign 0.000+/-0.000 χ²/NDF: 3757676.6/27
All: 0.000+/-0.000 χ²/NDF: 7766220.7/57
- sign 0.000+/-0.000 χ²/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: -231.057+/-63.521 χ^2/NDF:18.4/11

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

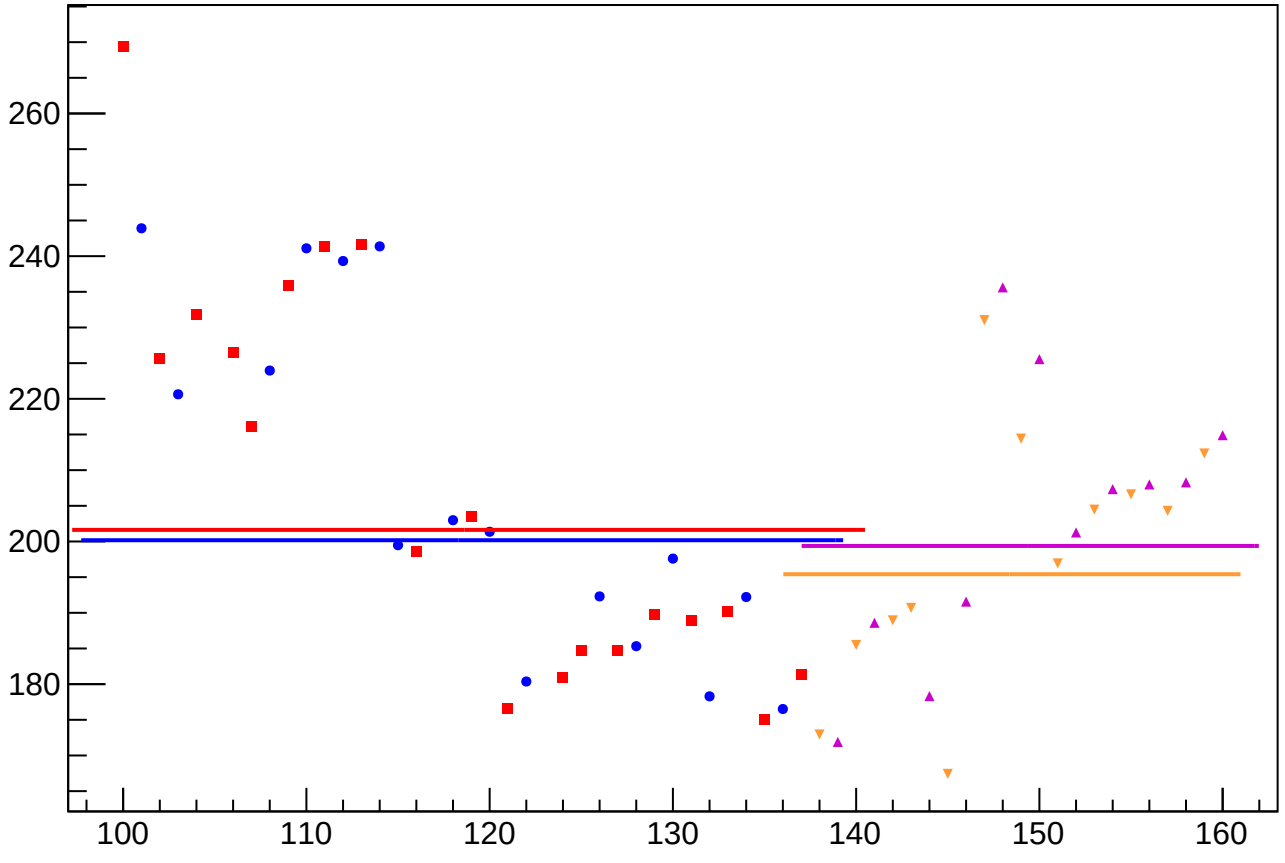
Left In: 244.539+/-64.811 χ^2/NDF:8.5/10

+ sign -29.836+/-48.439 χ^2/NDF: 56.1/27

All: 27.528+/-34.400 χ^2/NDF: 96.8/57

- 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: 195.408+/-0.045 χ^2/NDF:153130.1/11

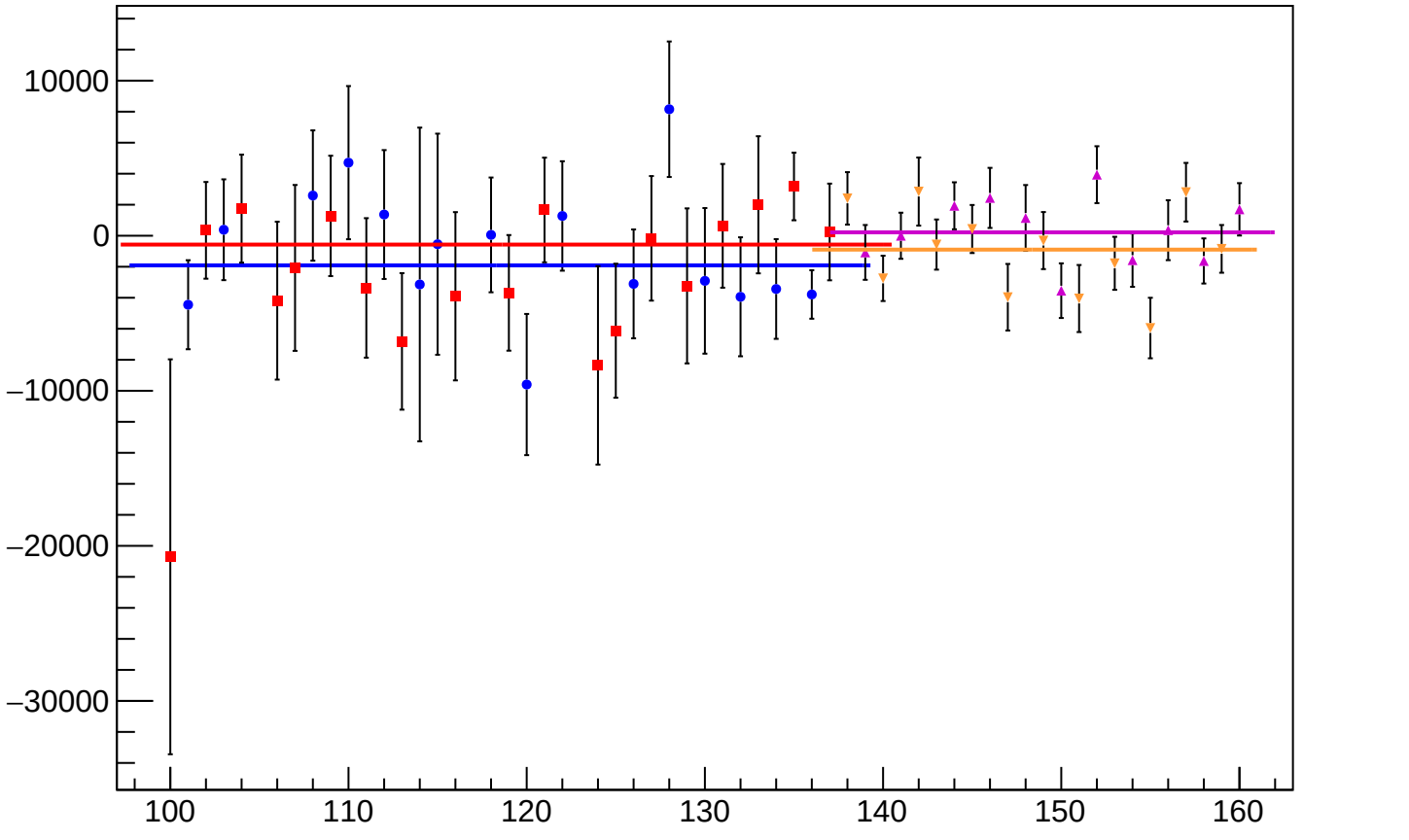
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 199.376+/-0.046 χ^2/NDF:158388.6/10

+ sign 197.404+/-0.034 χ^2/NDF: 338848.0/27

All: 198.863+/-0.024 χ^2/NDF: 699184.9/57

- 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: -896.581+/-509.148 χ^2/NDF:24.2/11

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

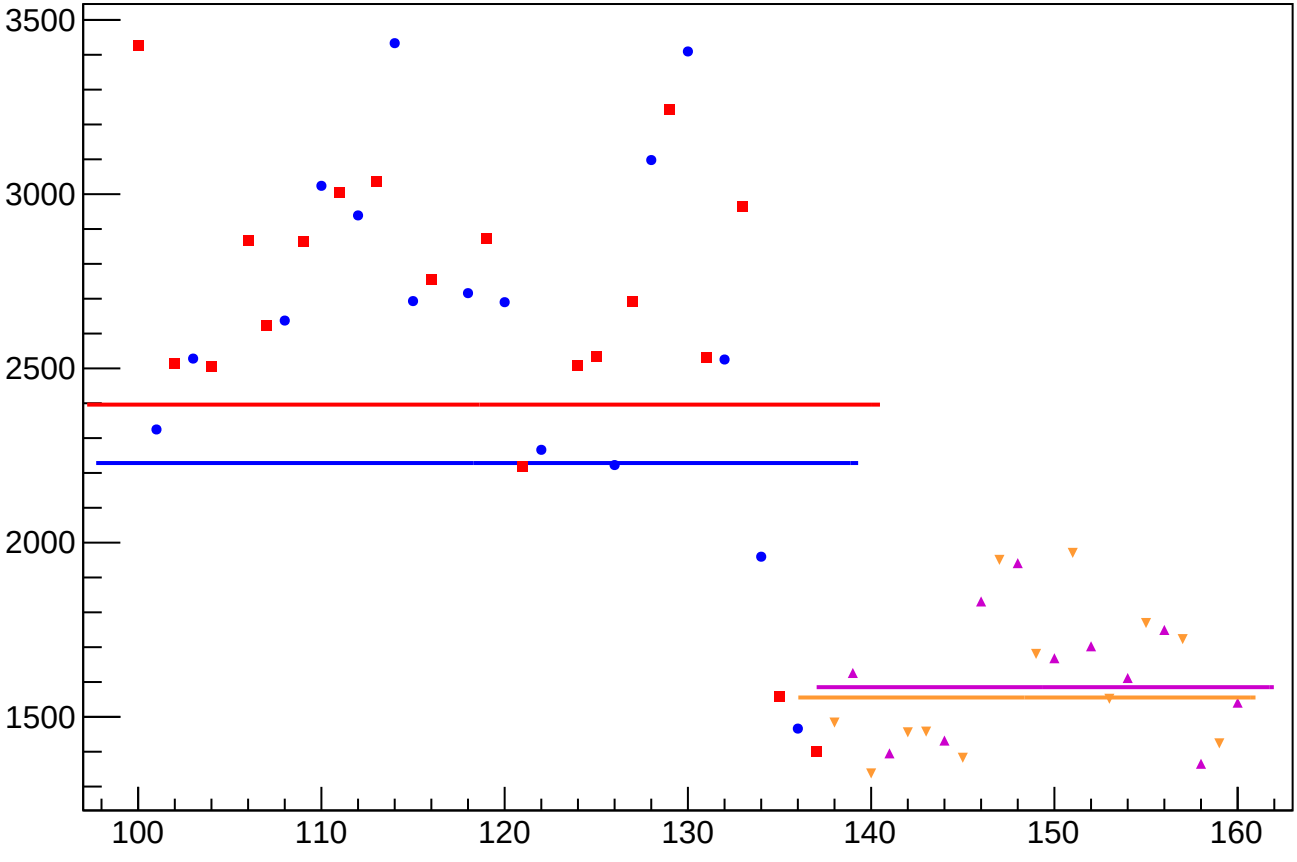
Left In: 219.168+/-516.839 χ^2/NDF:15.5/10

+ sign -1160.103+/-438.003 χ^2/NDF: 41.5/27

All: -582.047+/-313.274 χ^2/NDF: 75.8/57

- 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: 1555.618+/-0.360 χ^2/NDF:289471.0/11

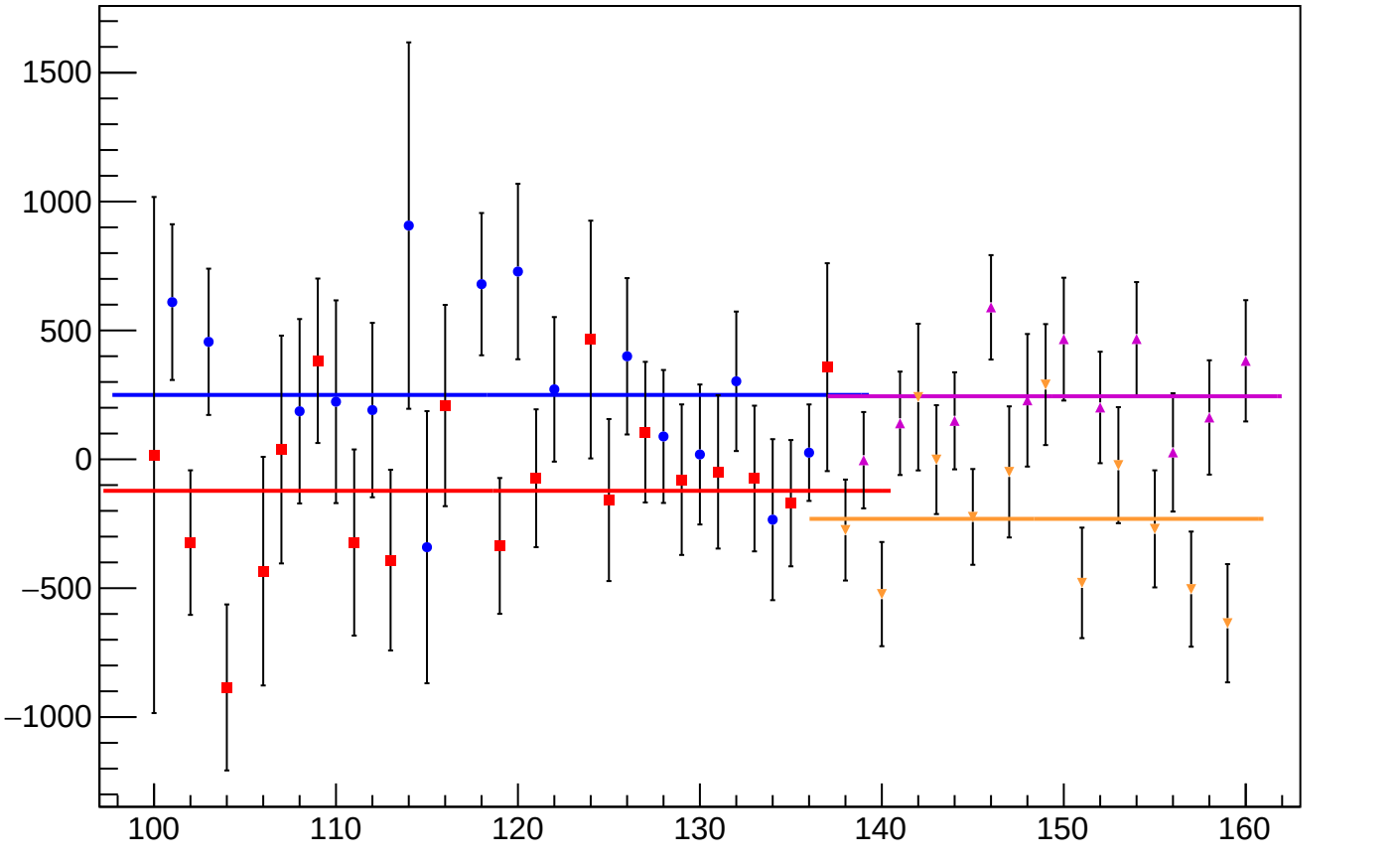
Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1585.233+/-0.365 χ^2/NDF:217161.2/10

+ sign 1730.511+/-0.310 χ^2/NDF: 2144966.9/27

All: 1757.696+/-0.222 χ^2/NDF: 4397219.0/57

- sign 1786.168+/-0.317 χ^2/NDF: 2236478.5/29



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -231.044+/-63.521 χ^2/NDF:18.4/11

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

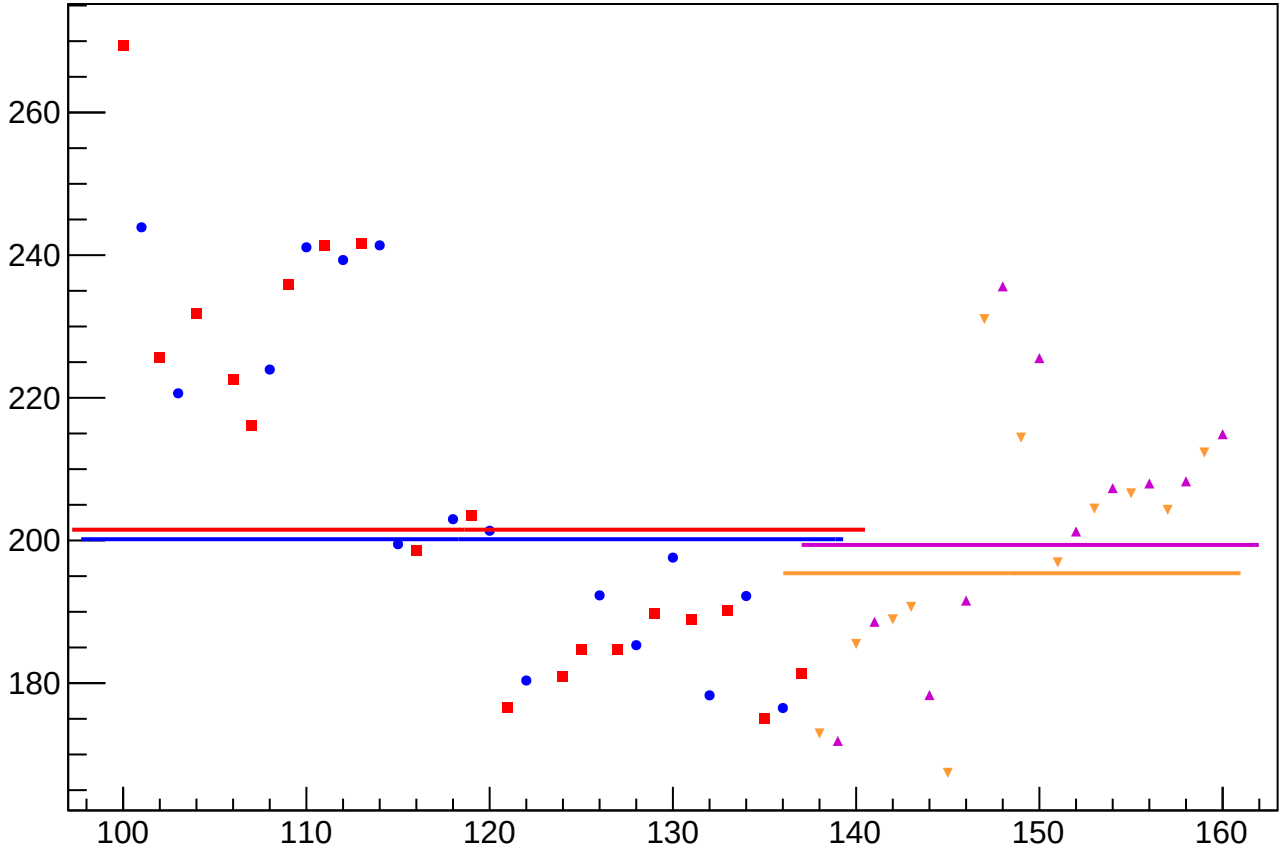
Left In: 244.542+/-64.811 χ^2/NDF:8.5/10

\+ sign -29.827+/-48.439 χ^2/NDF: 56.1/27

All: 27.710+/-34.401 χ^2/NDF: 96.7/57

\- 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: 195.408+/-0.045 χ^2/NDF:153130.1/11

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

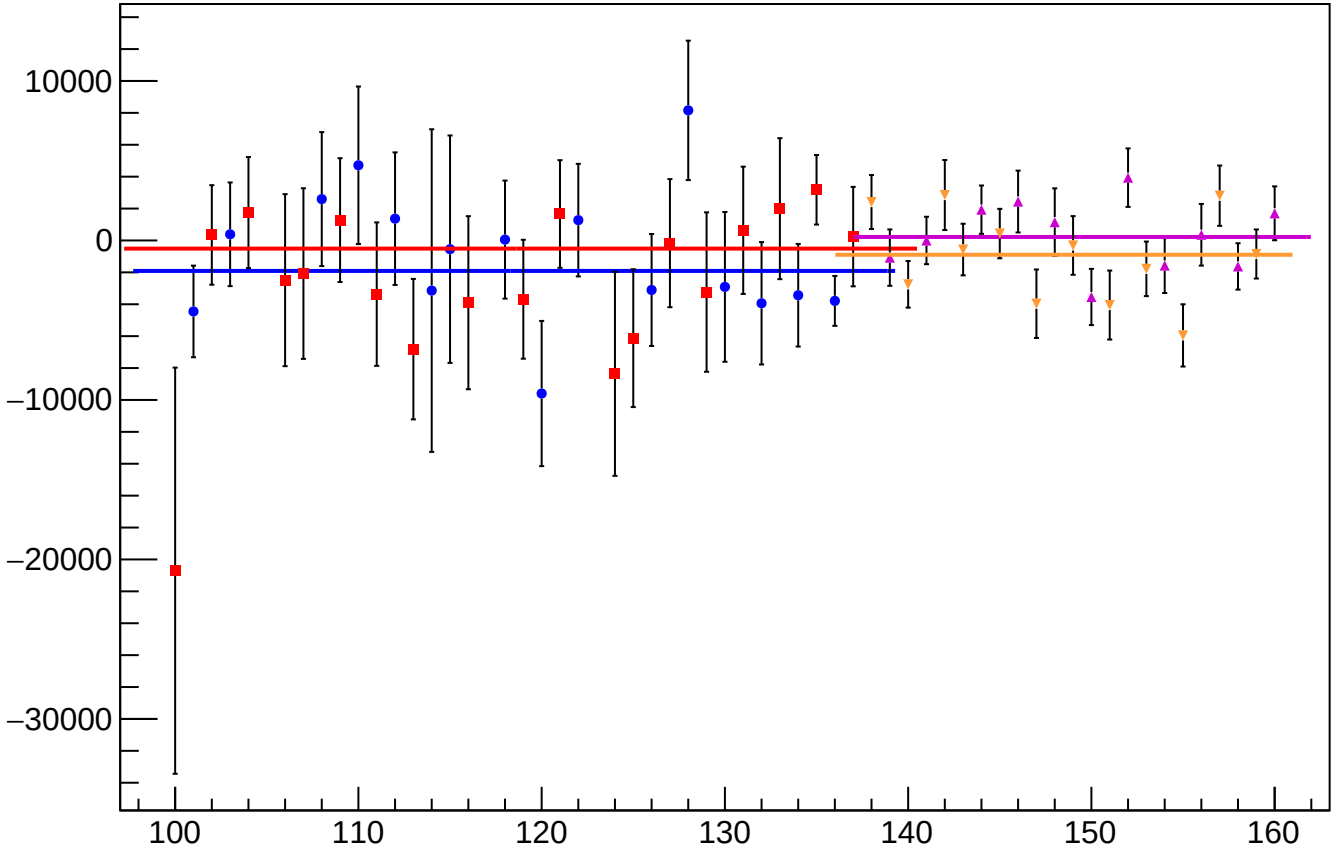
Left In: 199.376+/-0.046 χ^2/NDF:158388.6/10

+ sign 197.404+/-0.034 χ^2/NDF: 338848.3/27

All: 198.839+/-0.024 χ^2/NDF: 697148.2/57

- sign 200.299+/-0.035 χ^2/NDF: 354759.1/29

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -896.576+/-509.148 χ^2/NDF:24.2/11

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

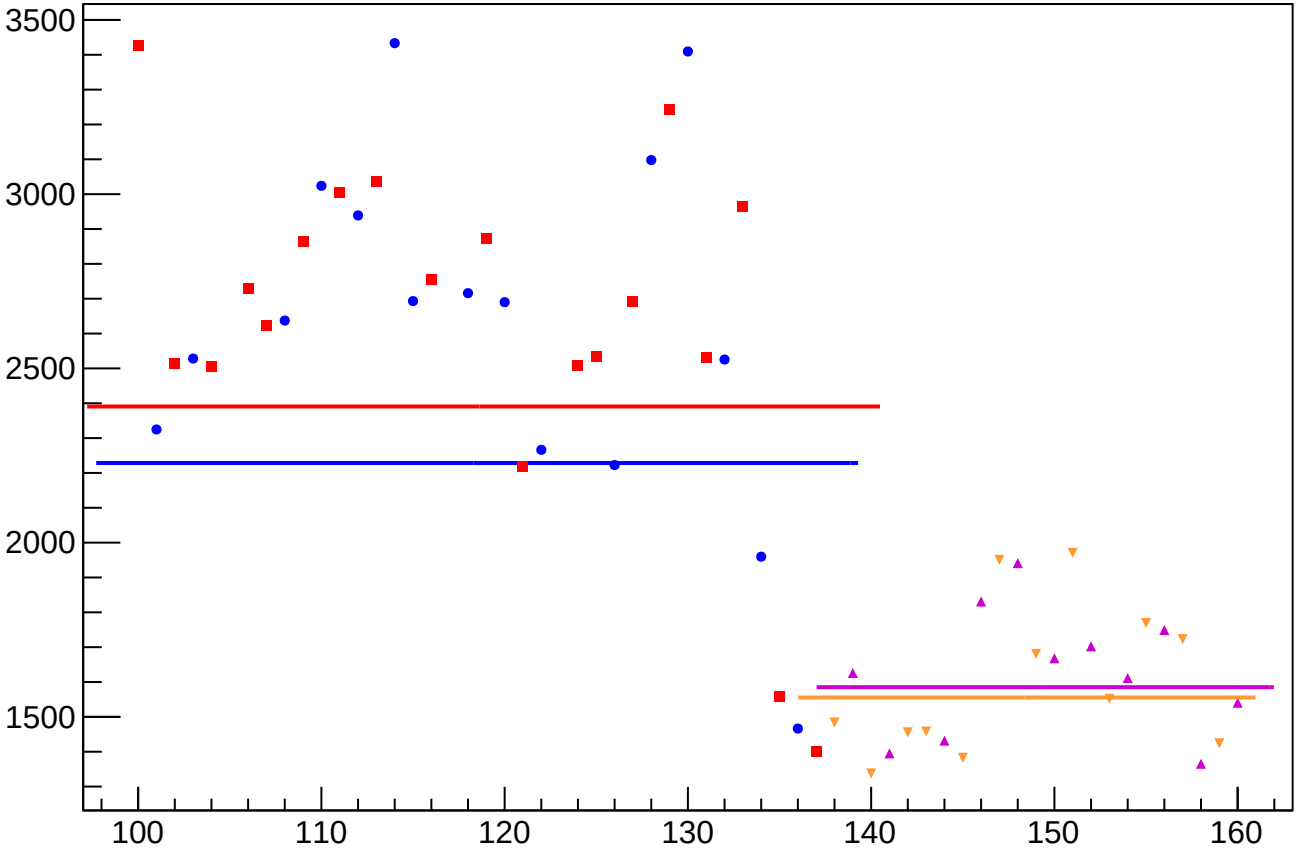
Left In: 219.159+/-516.839 χ^2/NDF:15.5/10

+ sign -1160.089+/-438.003 χ^2/NDF: 41.5/27

All: -574.847+/-313.340 χ^2/NDF: 75.4/57

- 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: 1555.618+/-0.360 χ^2/NDF:289471.4/11

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

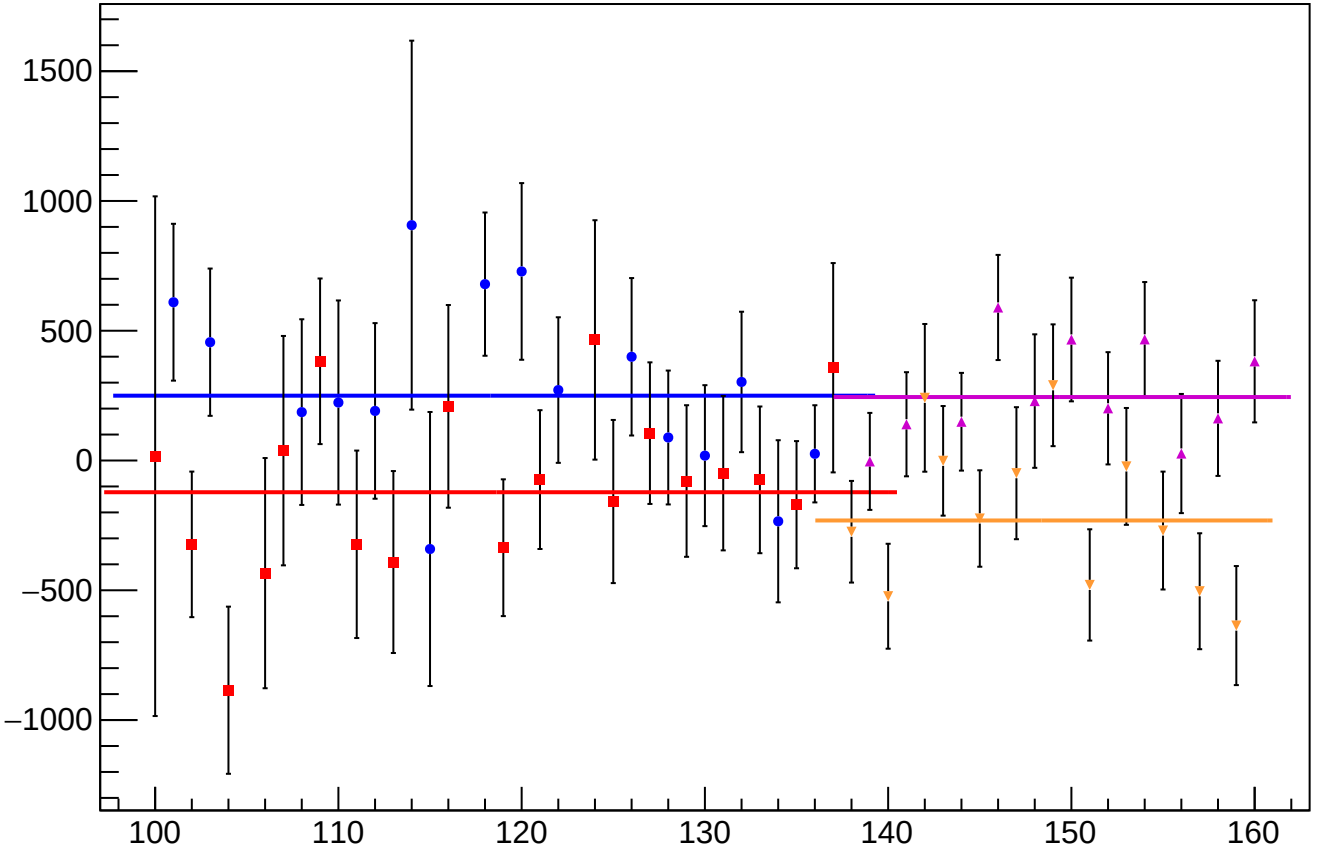
Left In: 1585.233+/-0.365 χ^2/NDF:217161.3/10

+ sign 1730.512+/-0.310 χ^2/NDF: 2144978.4/27

All: 1756.784+/-0.222 χ^2/NDF: 4367576.6/57

- 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: -231.044+/-63.521 χ^2/NDF:18.4/11

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

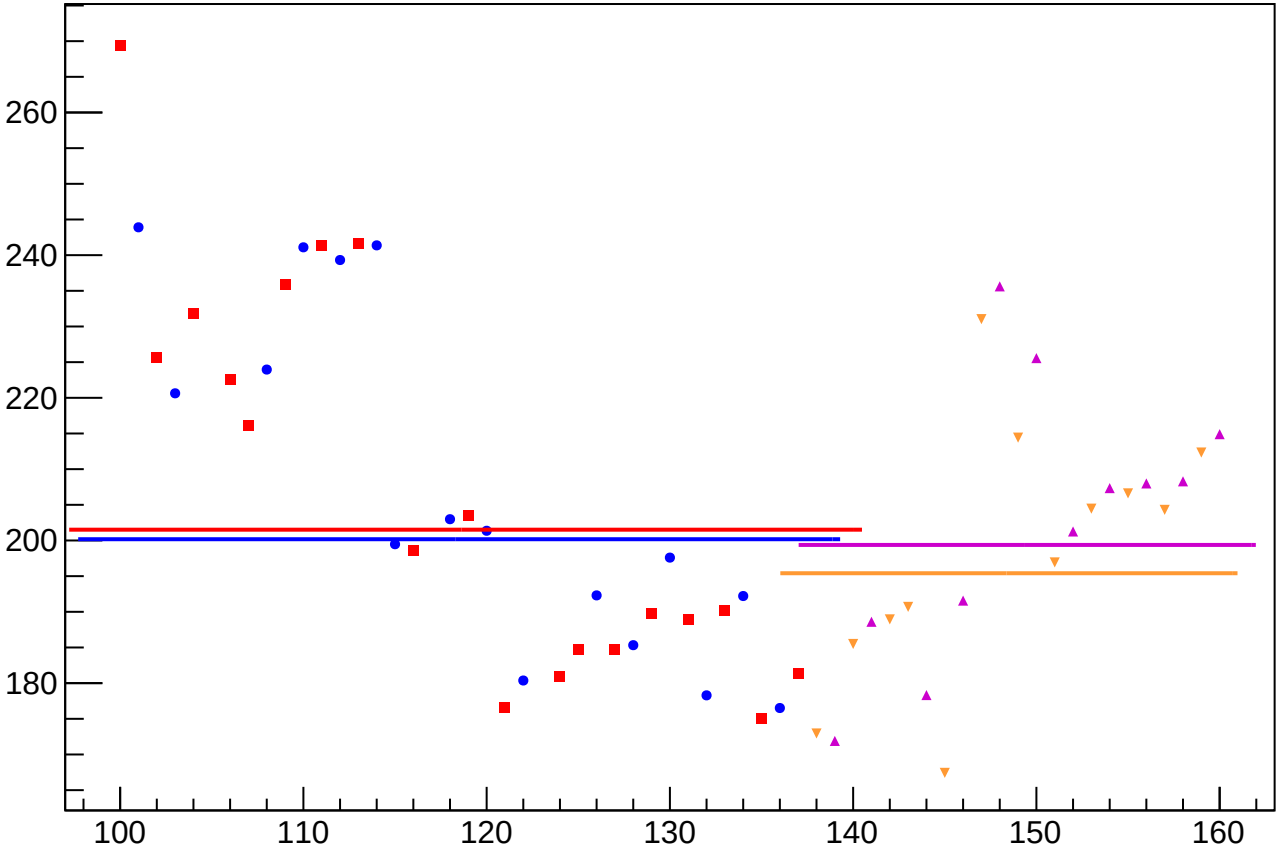
Left In: 244.542+/-64.811 χ^2/NDF:8.5/10

+ sign -29.827+/-48.439 χ^2/NDF: 56.1/27

All: 27.710+/-34.401 χ^2/NDF: 96.7/57

- 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: 195.408+/-0.045 χ^2/NDF:153130.1/11

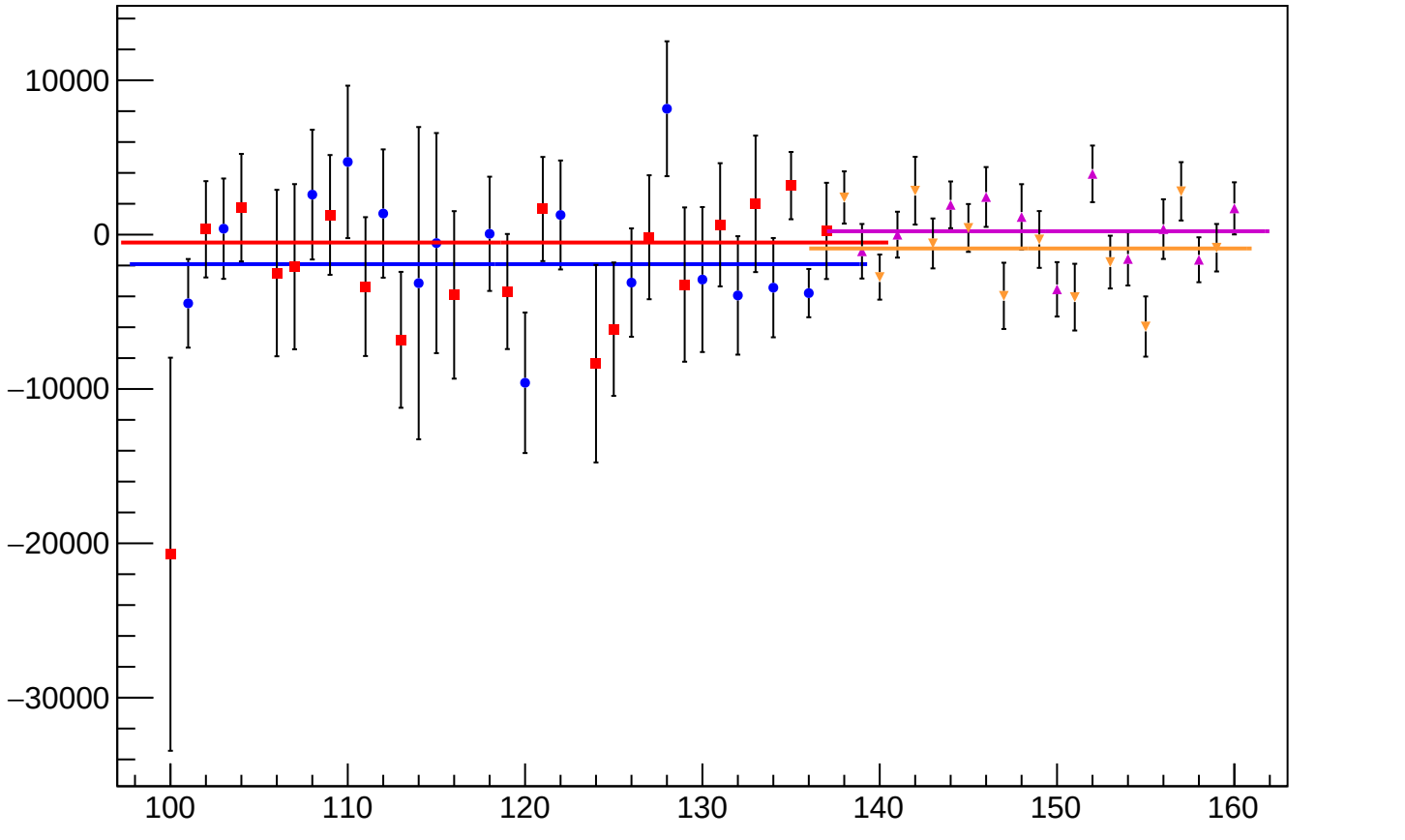
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.376+/-0.046 χ^2/NDF:158388.6/10

+ sign 197.404+/-0.034 χ^2/NDF: 338848.3/27

All: 198.839+/-0.024 χ^2/NDF: 697148.2/57

- 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: -896.576+/-509.148 χ^2/NDF:24.2/11

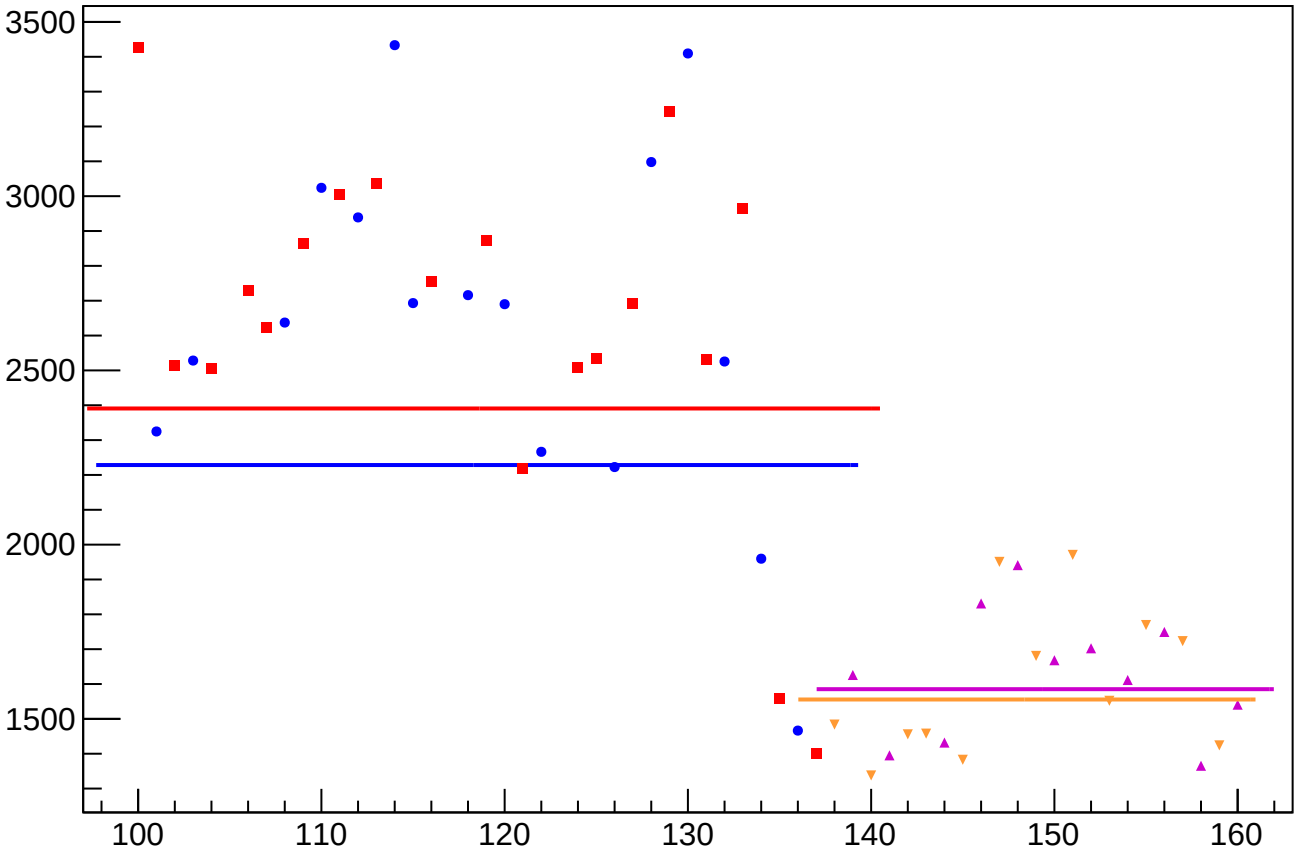
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 219.159+/-516.839 χ^2/NDF:15.5/10

+ sign -1160.089+/-438.003 χ^2/NDF: 41.5/27

All: -574.847+/-313.340 χ^2/NDF: 75.4/57

- 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: 1555.618+/-0.360 χ^2/NDF:289471.4/11

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

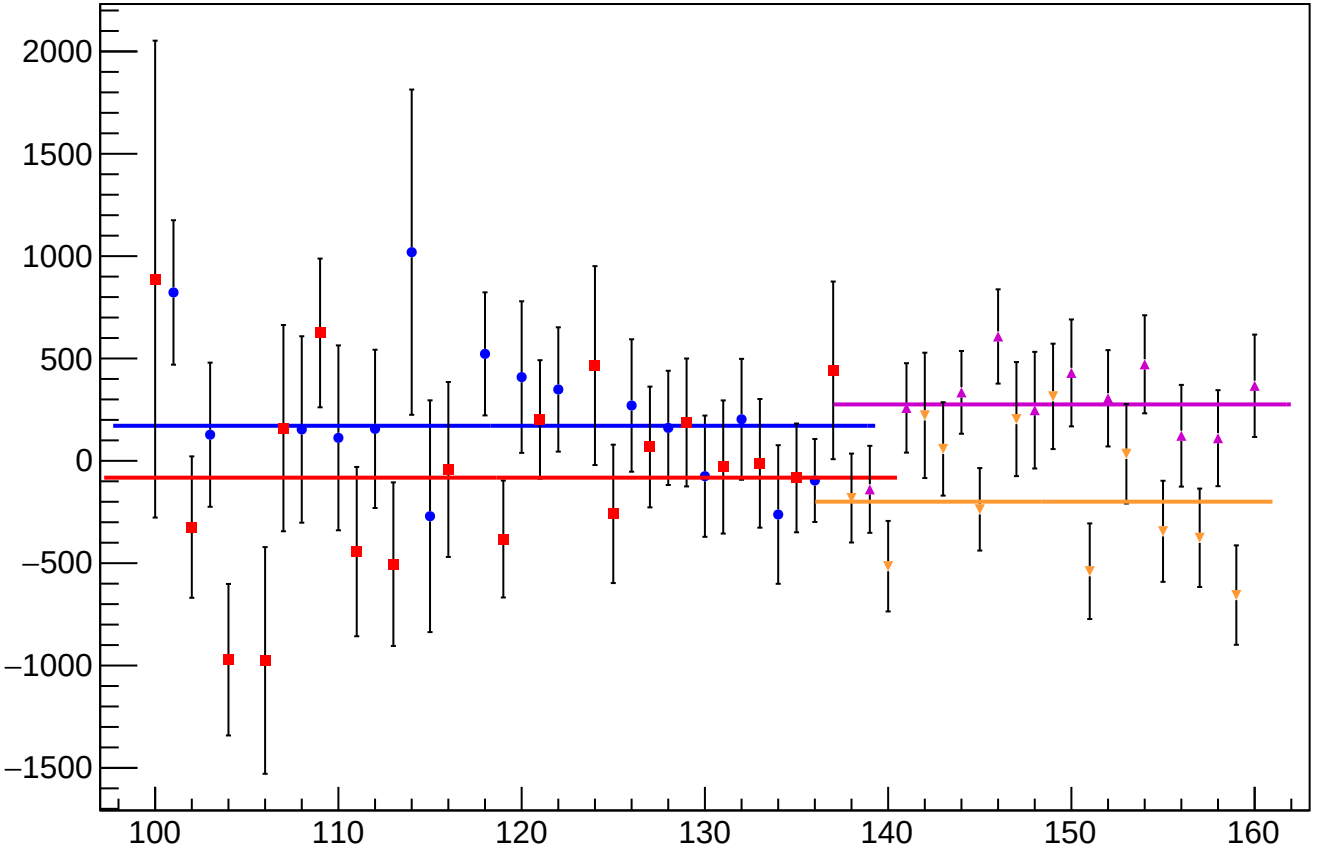
Left In: 1585.233+/-0.365 χ^2/NDF:217161.3/10

+ sign 1730.512+/-0.310 χ^2/NDF: 2144978.4/27

All: 1756.784+/-0.222 χ^2/NDF: 4367576.6/57

- 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: -199.533+/-68.995 χ^2/NDF:18.8/11

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

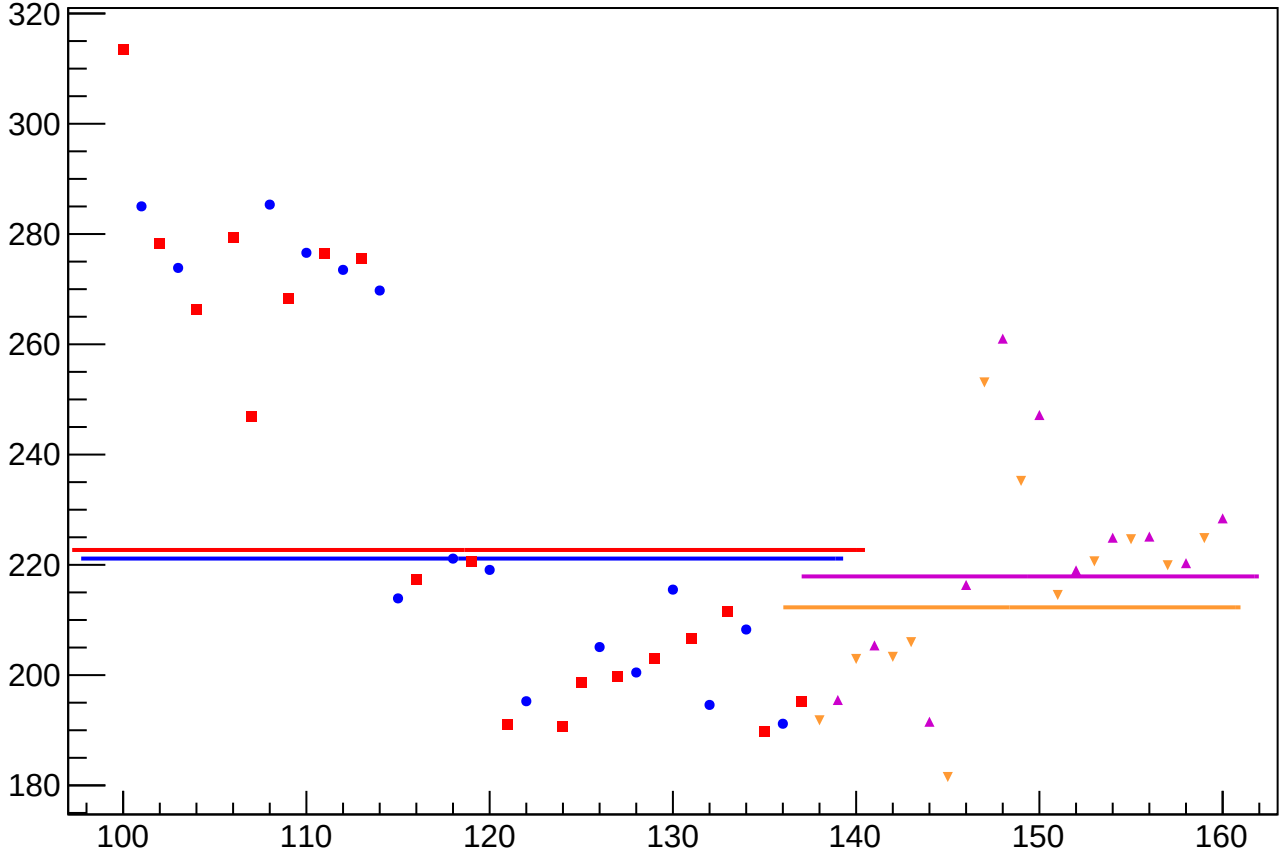
Left In: 275.620+/-70.843 χ^2/NDF:8.0/10

\+ sign -48.264+/-53.088 χ^2/NDF: 42.1/27

All: 36.722+/-37.774 χ^2/NDF: 87.7/57

\- 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: 212.294+/-0.049 χ^2/NDF:144930.3/11

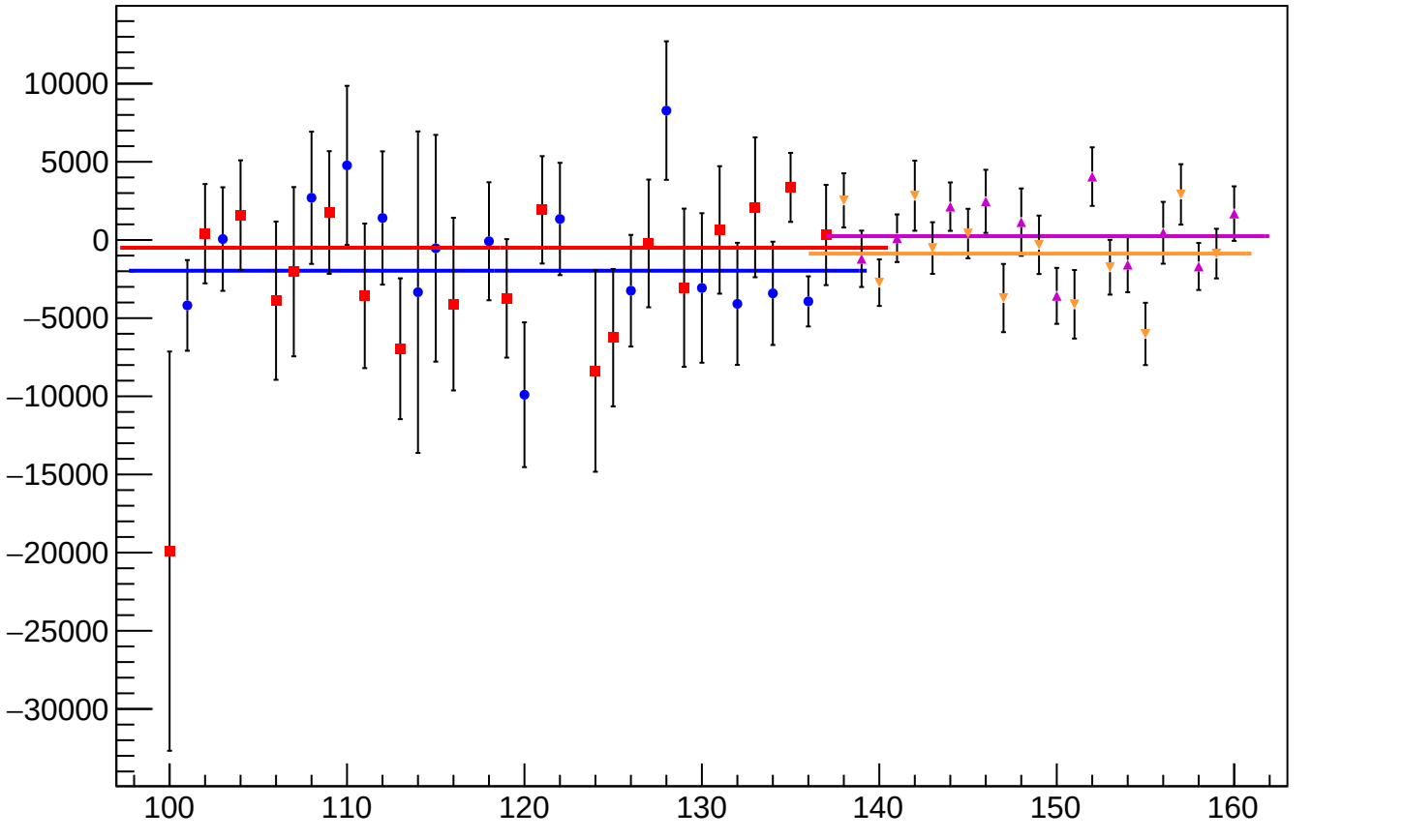
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 217.901+/-0.050 χ^2/NDF:141063.4/10

+ sign 215.902+/-0.038 χ^2/NDF: 477043.1/27

All: 217.893+/-0.027 χ^2/NDF: 954726.4/57

- 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: -872.741+/-520.258 χ^2/NDF:23.6/11

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

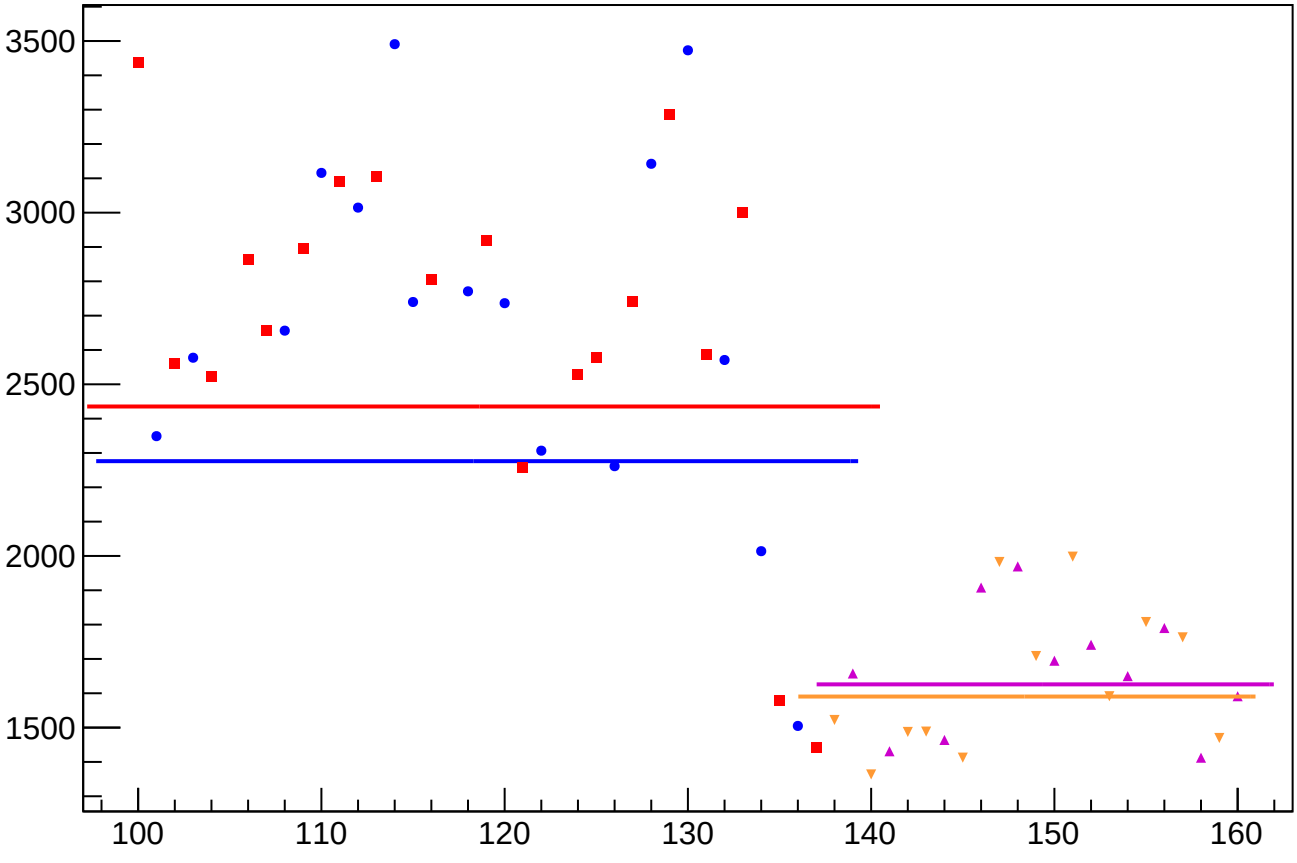
Left In: 243.993+/-529.947 χ^2/NDF:15.6/10

+ sign -1157.881+/-447.397 χ^2/NDF: 40.9/27

All: -565.048+/-320.229 χ^2/NDF: 75.4/57

- 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: 1590.457+/-0.368 χ^2/NDF:279648.4/11

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

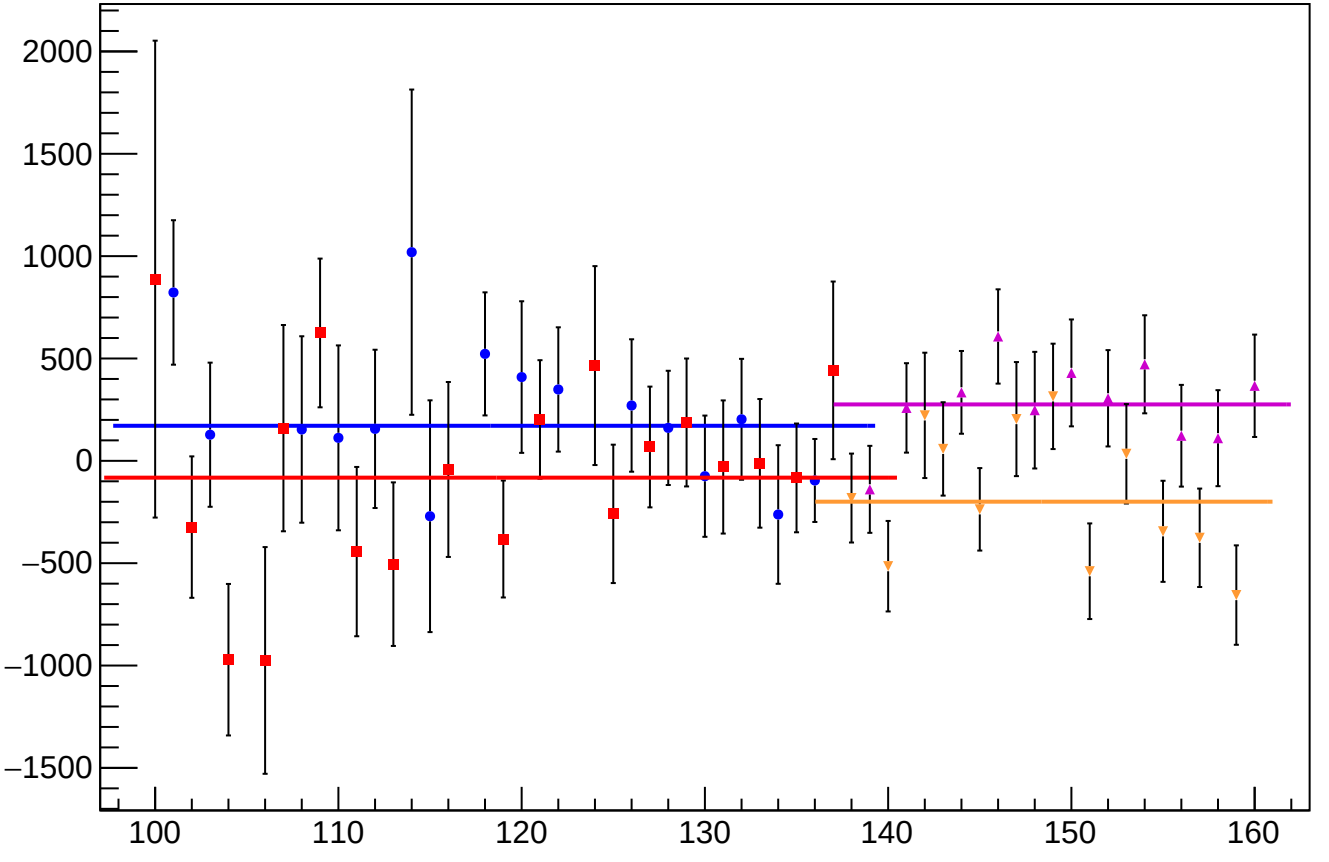
Left In: 1625.936+/-0.375 χ^2/NDF:210838.8/10

+ sign 1769.062+/-0.316 χ^2/NDF: 2111544.3/27

All: 1798.455+/-0.226 χ^2/NDF: 4304007.1/57

- 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: -199.533+/-68.995 χ^2/NDF:18.8/11

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

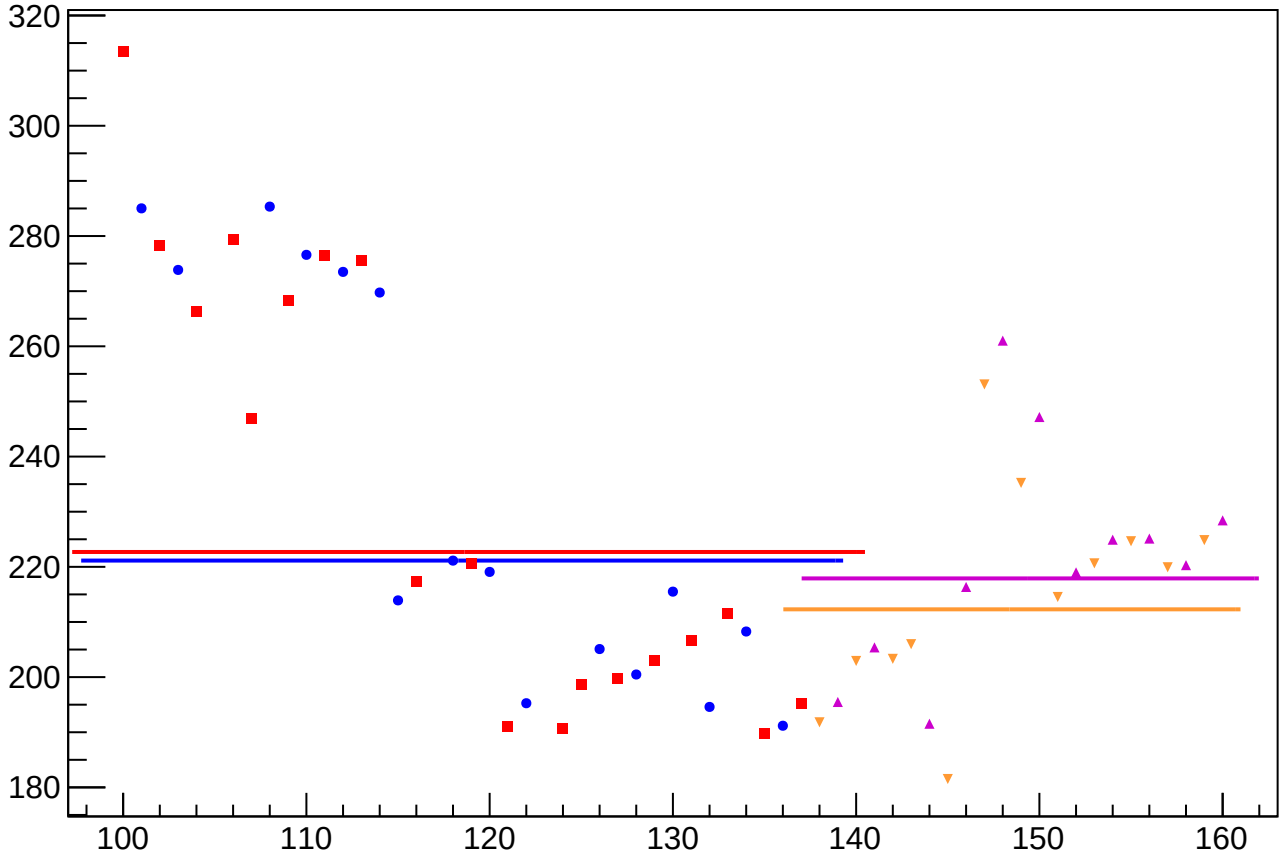
Left In: 275.622+/-70.843 χ^2/NDF:8.0/10

\+ sign -48.262+/-53.088 χ^2/NDF: 42.1/27

All: 36.723+/-37.774 χ^2/NDF: 87.7/57

\- sign 123.872+/-53.759 χ^2/NDF: 40.5/29

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 212.293+/-0.049 χ^2/NDF:144934.1/11

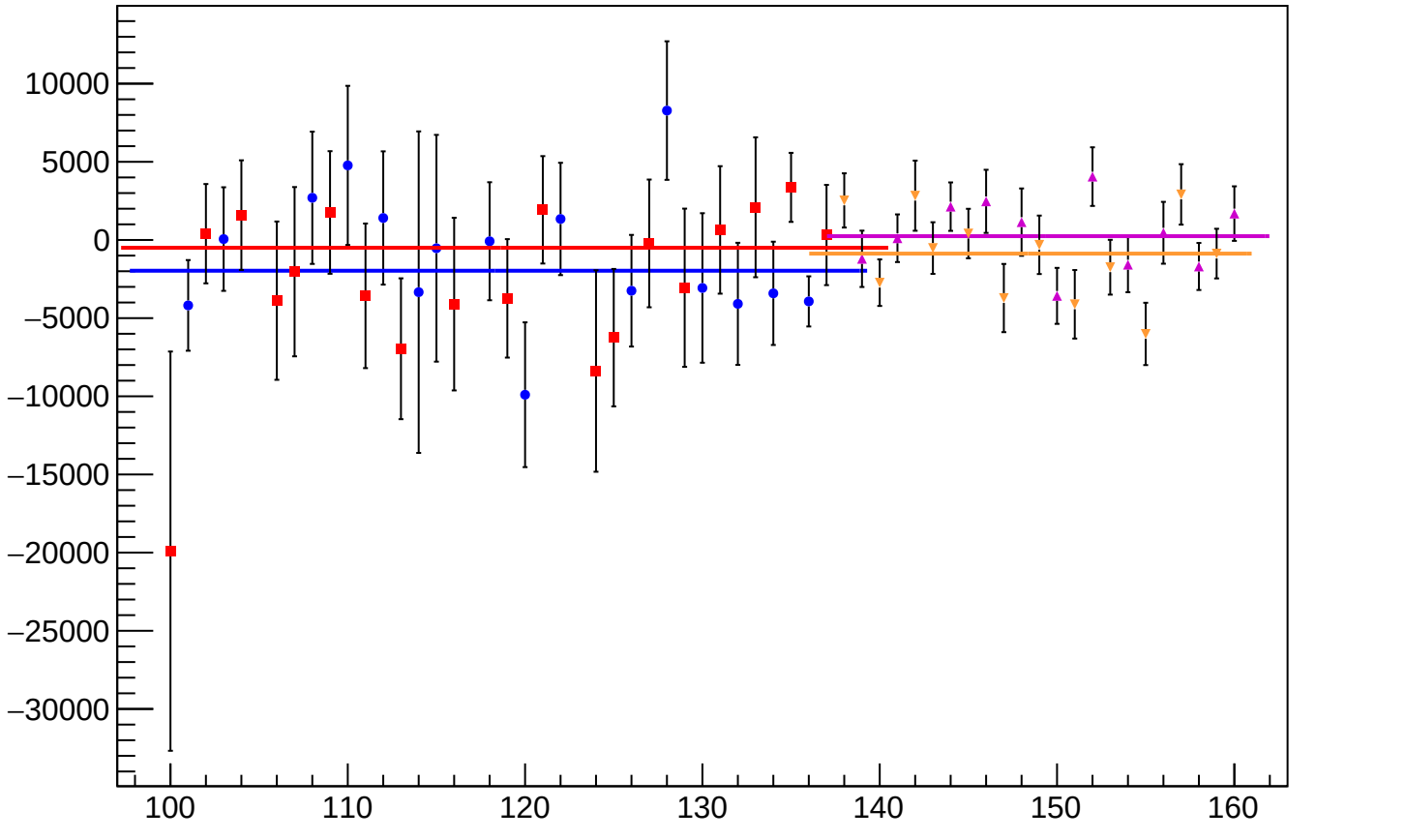
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 217.901+/-0.050 χ^2/NDF:141065.2/10

+ sign 215.902+/-0.038 χ^2/NDF: 477038.6/27

All: 217.893+/-0.027 χ^2/NDF: 954715.7/57

- sign 219.935+/-0.038 χ^2/NDF: 471977.6/29



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -872.740+/-520.257 χ^2/NDF:23.6/11

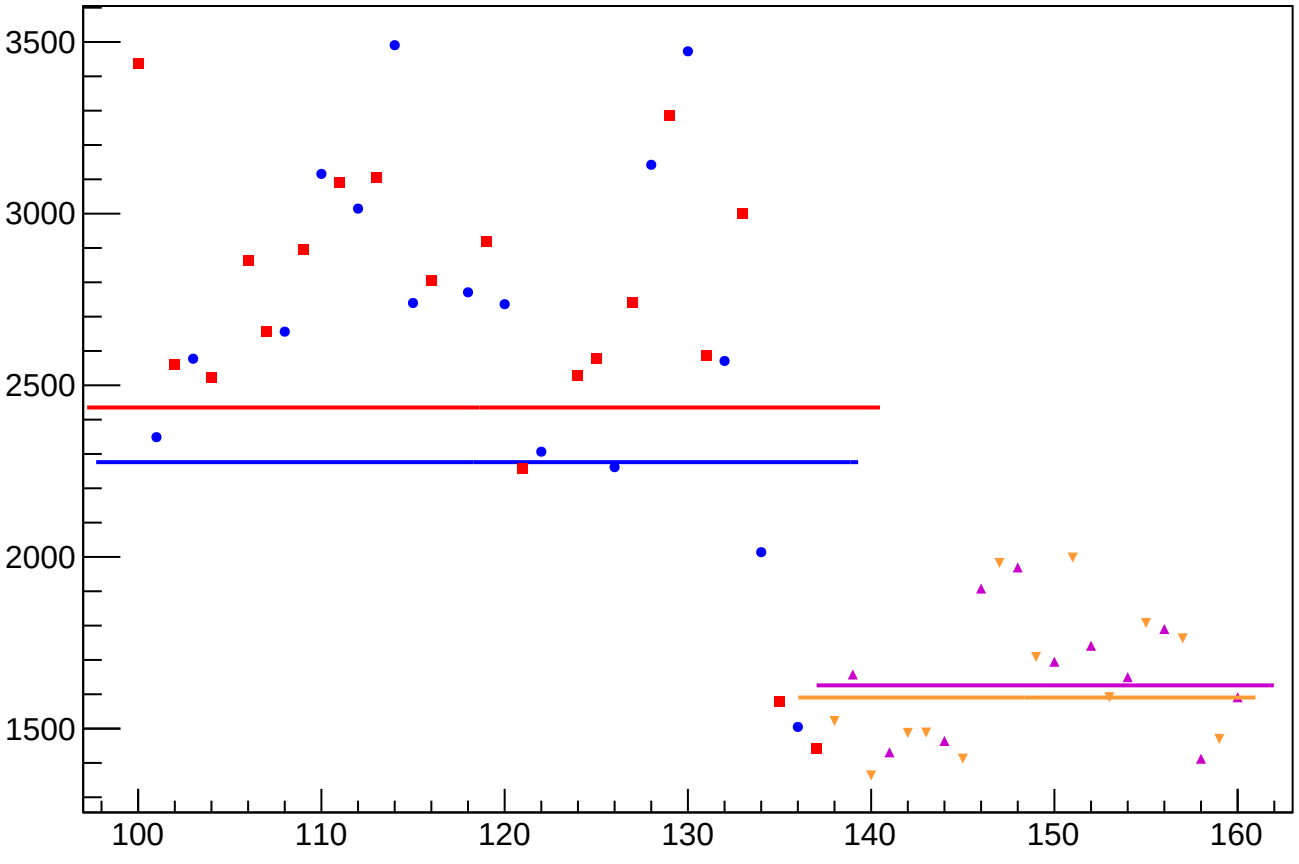
Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: 243.993+/-529.946 χ^2/NDF:15.6/10

+ sign -1157.880+/-447.397 χ^2/NDF: 40.9/27

All: -565.047+/-320.229 χ^2/NDF: 75.4/57

- sign 57.721+/-458.553 χ^2/NDF: 30.9/29



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1590.456+/-0.368 χ^2/NDF:279651.9/11

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

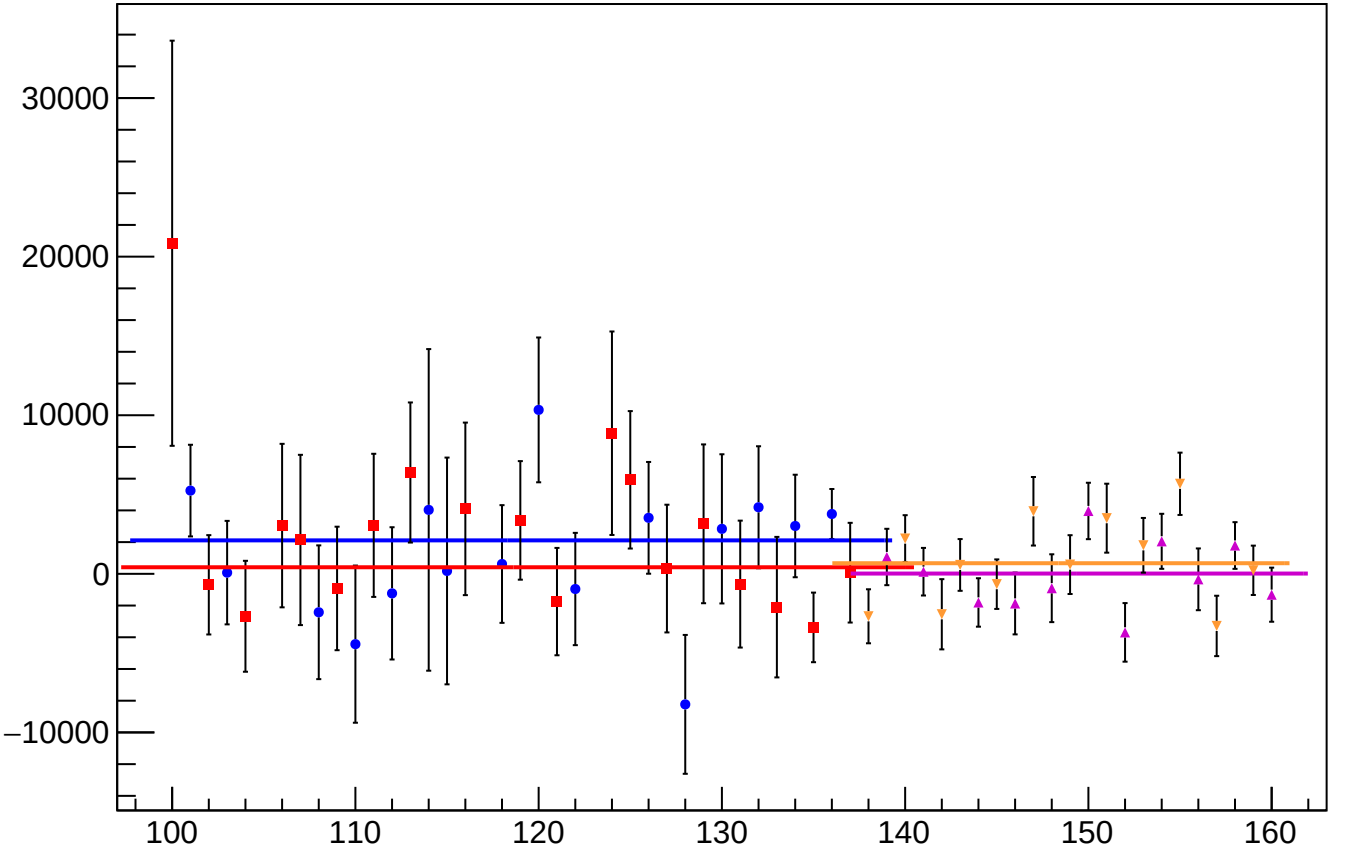
Left In: 1625.936+/-0.375 χ^2/NDF:210840.3/10

+ sign 1769.061+/-0.316 χ^2/NDF: 2111534.8/27

All: 1798.454+/-0.226 χ^2/NDF: 4303986.9/57

- 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: 669.011+/-513.346 χ^2/NDF:23.1/11

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

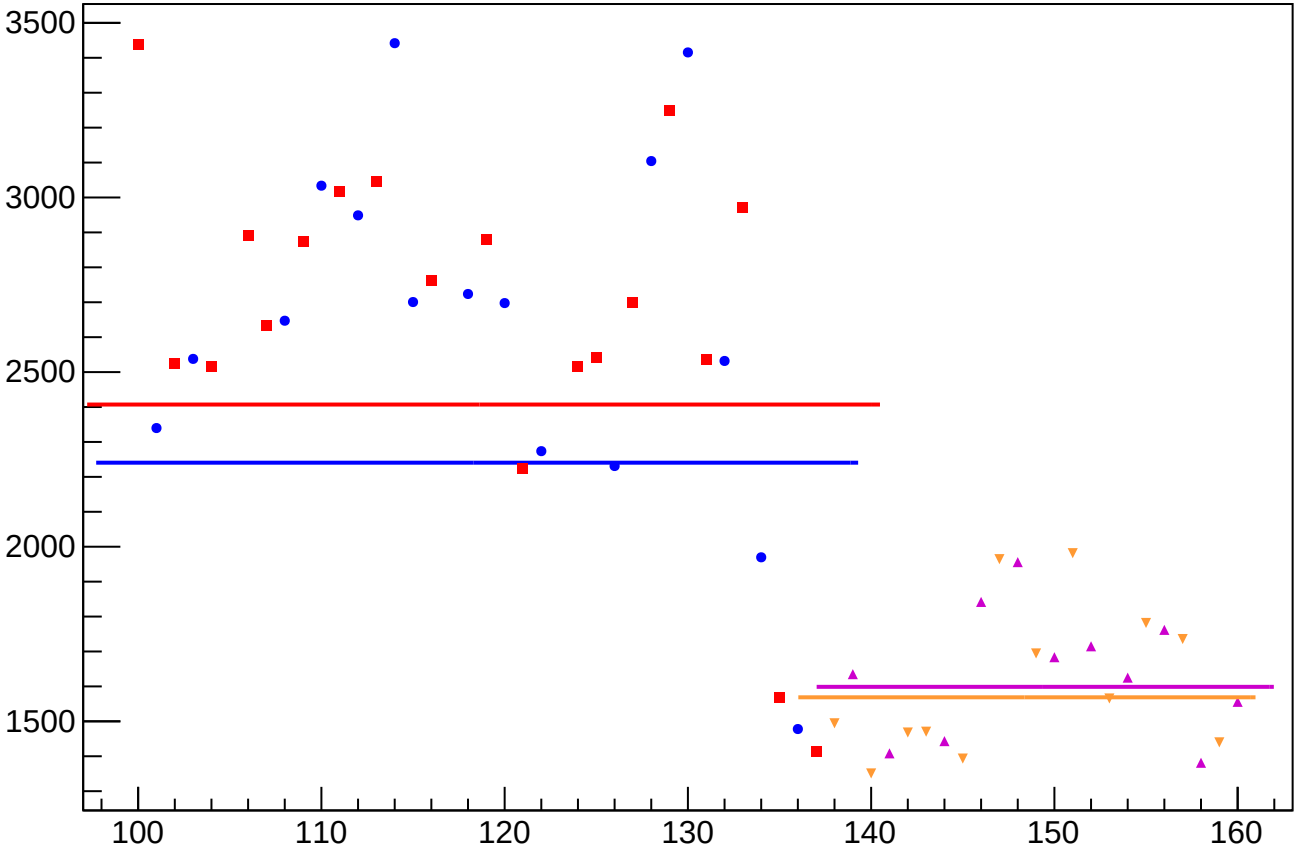
Left In: 17.438+/-521.158 χ^2/NDF:15.3/10

\+ sign 1045.314+/-441.231 χ^2/NDF: 41.8/27

All: 591.555+/-315.583 χ^2/NDF: 74.1/57

\- 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: 1568.776+/-0.363 χ^2/NDF:284980.0/11

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

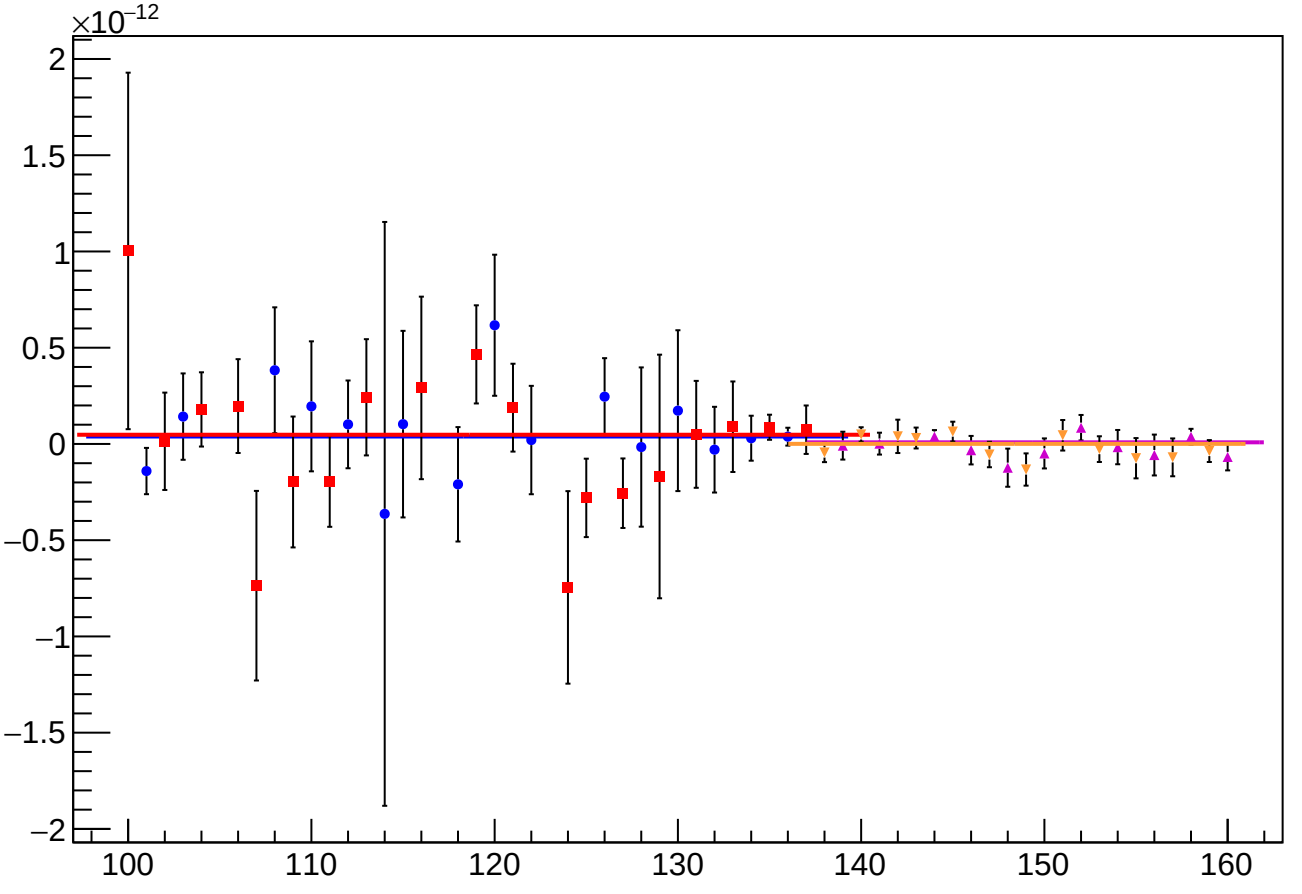
Left In: 1598.767+/-0.369 χ^2/NDF:212507.3/10

+ sign 1744.281+/-0.312 χ^2/NDF: 2113466.3/27

All: 1771.629+/-0.223 χ^2/NDF: 4330127.8/57

- 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:9.7/11

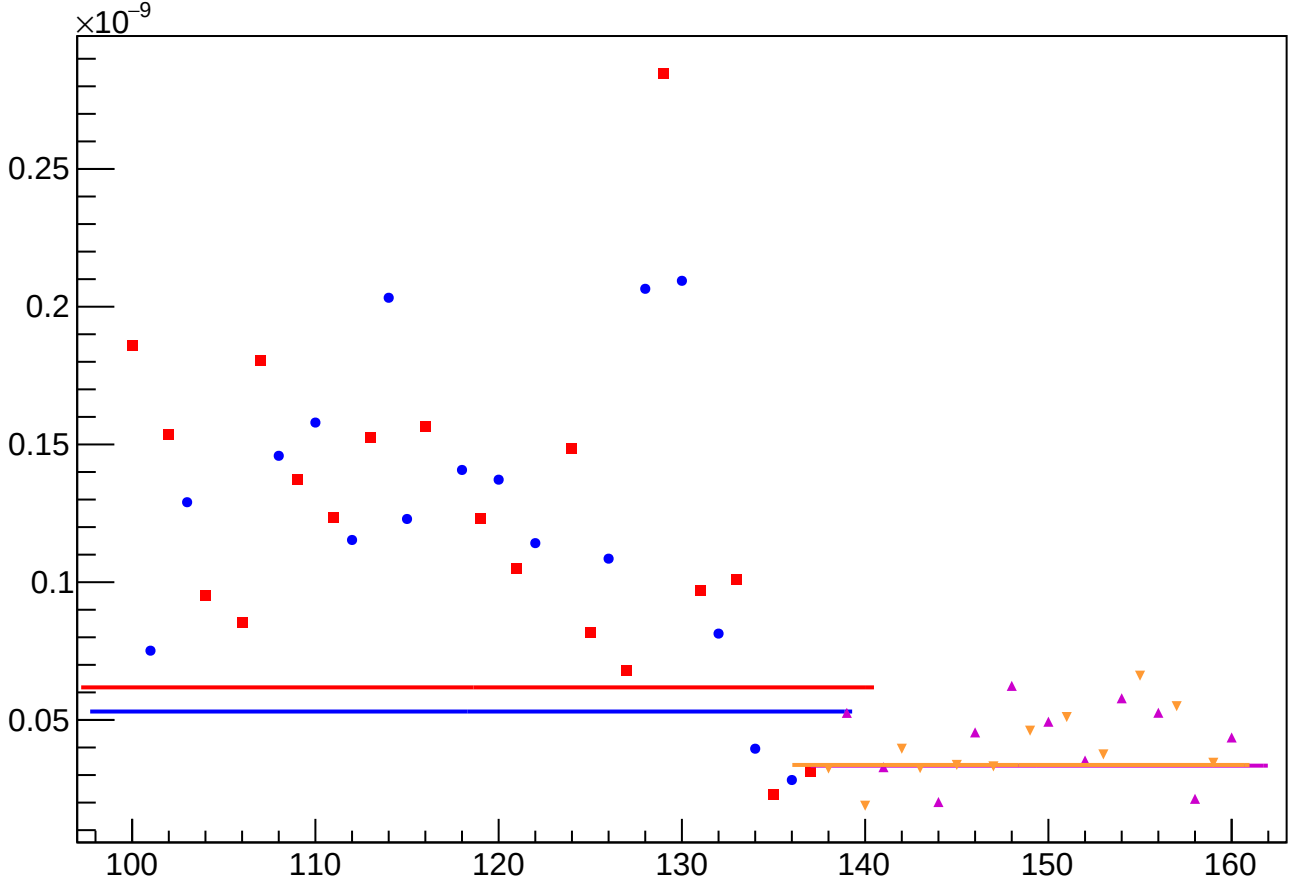
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 19.0/27

All: 0.000+/-0.000 χ^2/NDF: 44.9/57

- 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:756801.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

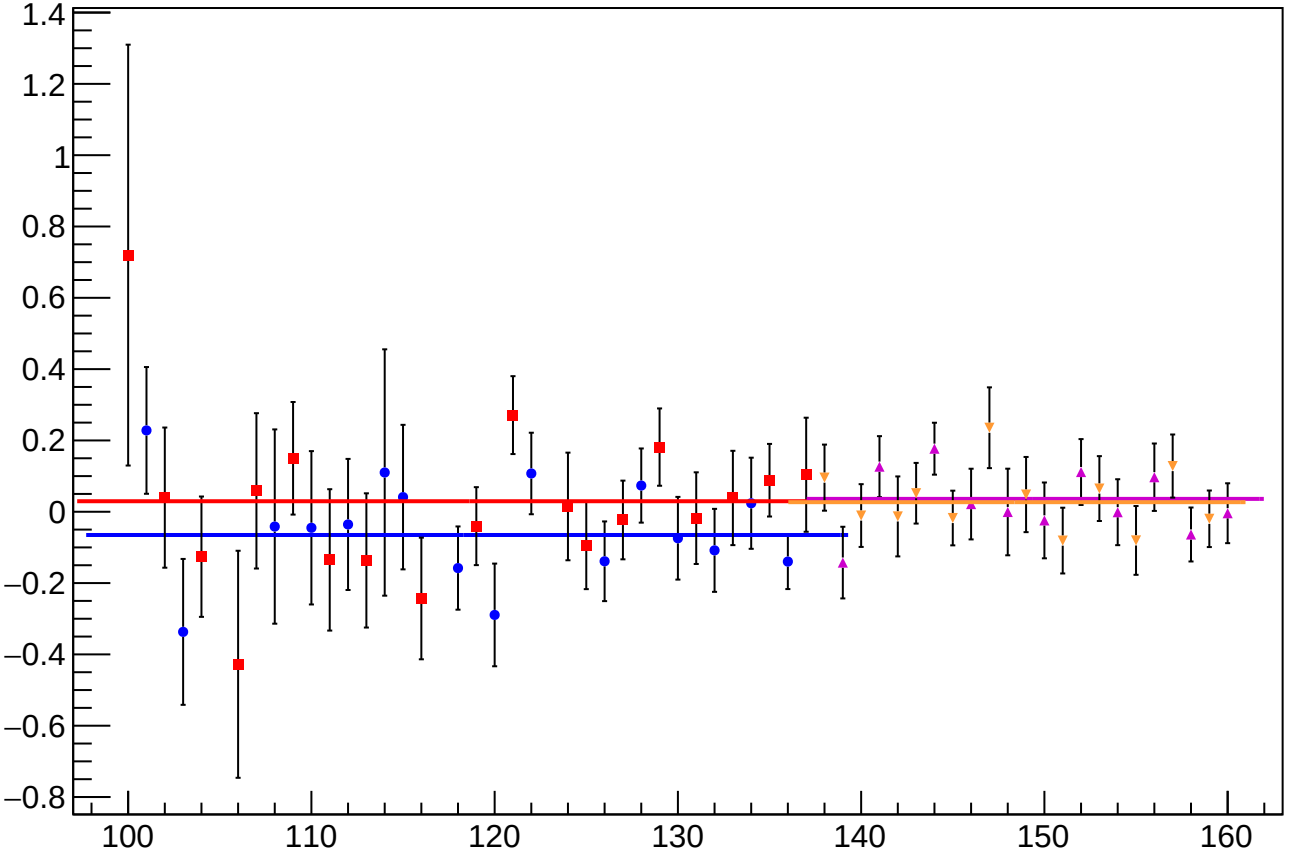
Left In: 0.000+/-0.000 χ^2/NDF:1182238.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 3793968.0/27

All: 0.000+/-0.000 χ^2/NDF: 8124508.6/57

- 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: 0.027+/-0.026 χ^2/NDF:9.2/11

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

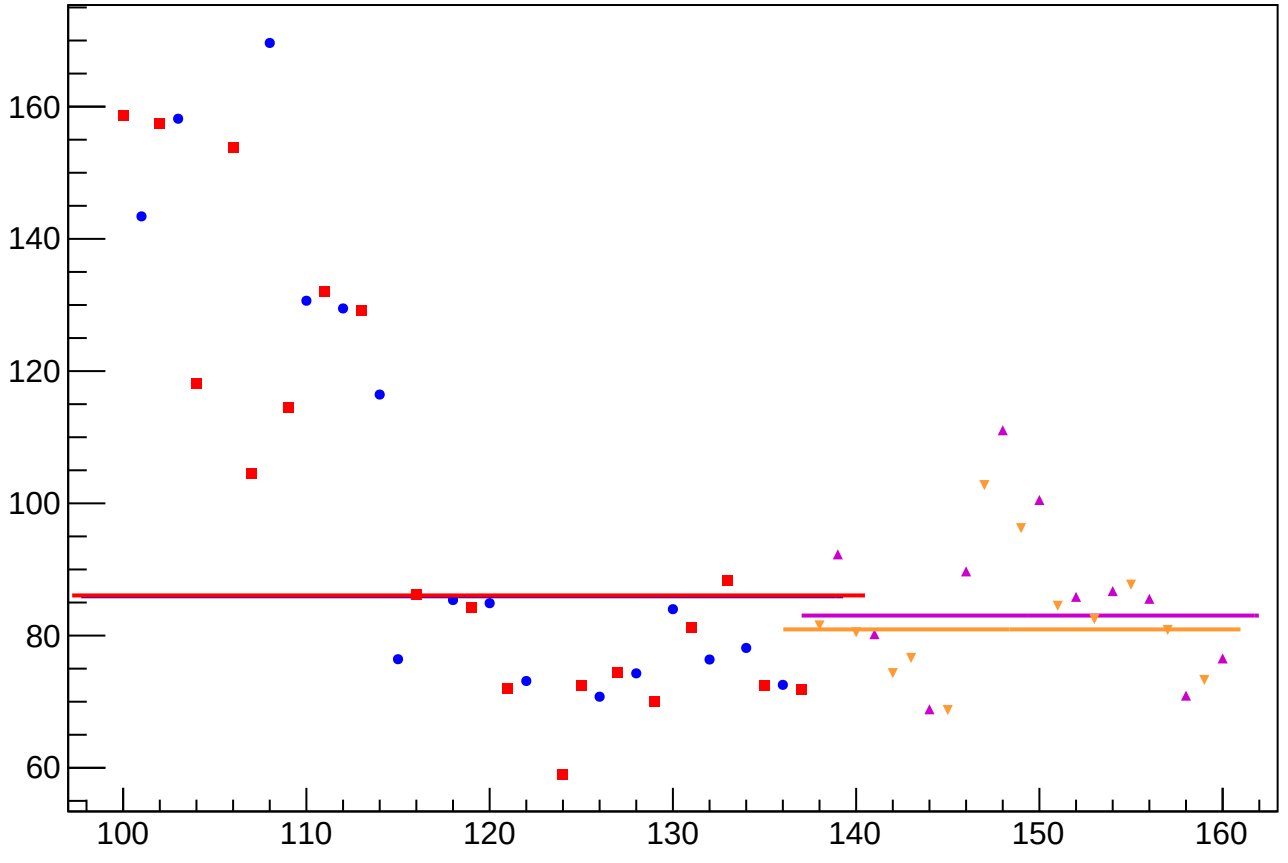
Left In: 0.036+/-0.027 χ^2/NDF:11.7/10

+ sign -0.009+/-0.021 χ^2/NDF: 28.0/27

All: 0.012+/-0.015 χ^2/NDF: 59.8/57

- 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: 80.935+/-0.019 χ^2/NDF:211305.8/11

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

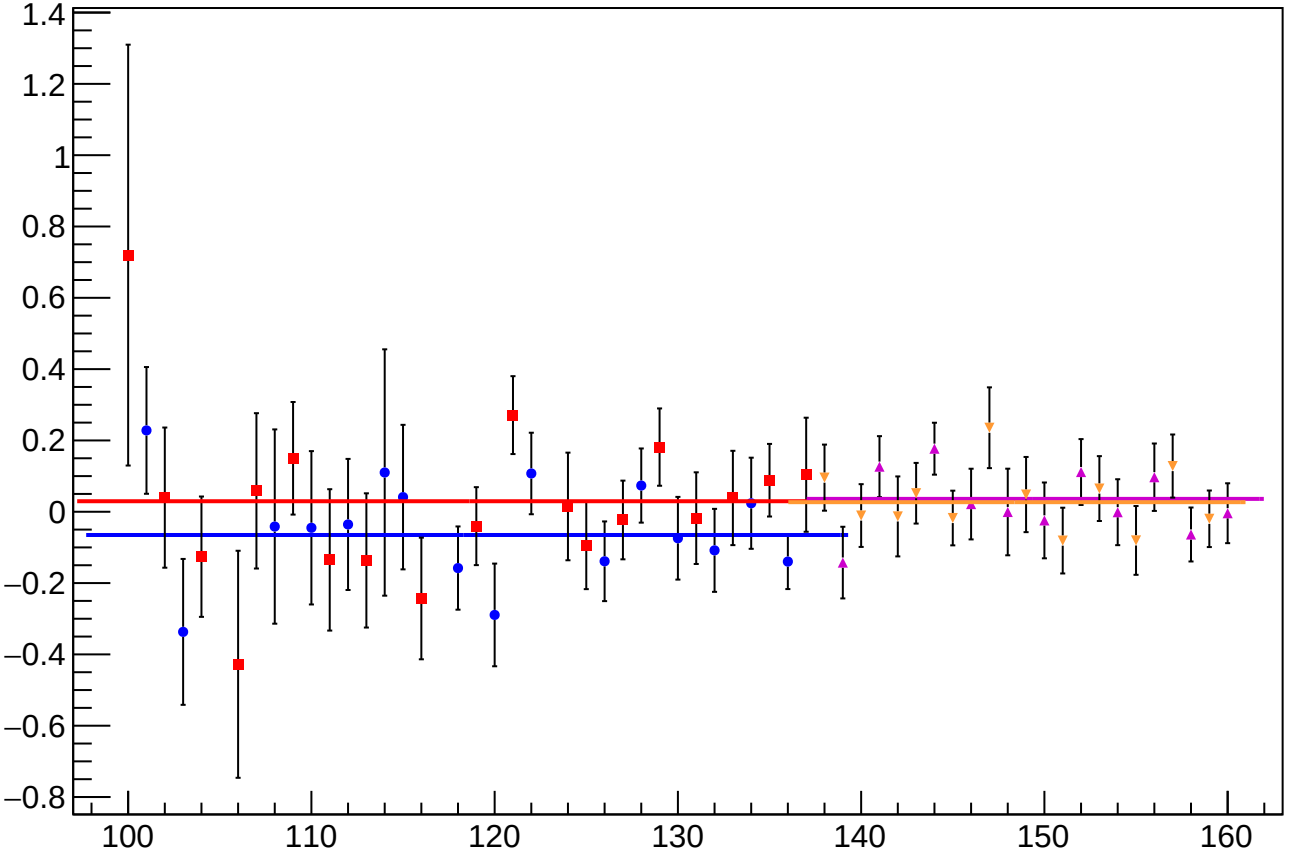
Left In: 83.030+/-0.019 χ^2/NDF:334250.8/10

+ sign 82.869+/-0.015 χ^2/NDF: 1274095.7/27

All: 83.557+/-0.010 χ^2/NDF: 2614324.1/57

- 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: 0.027+/-0.026 χ^2/NDF:9.2/11

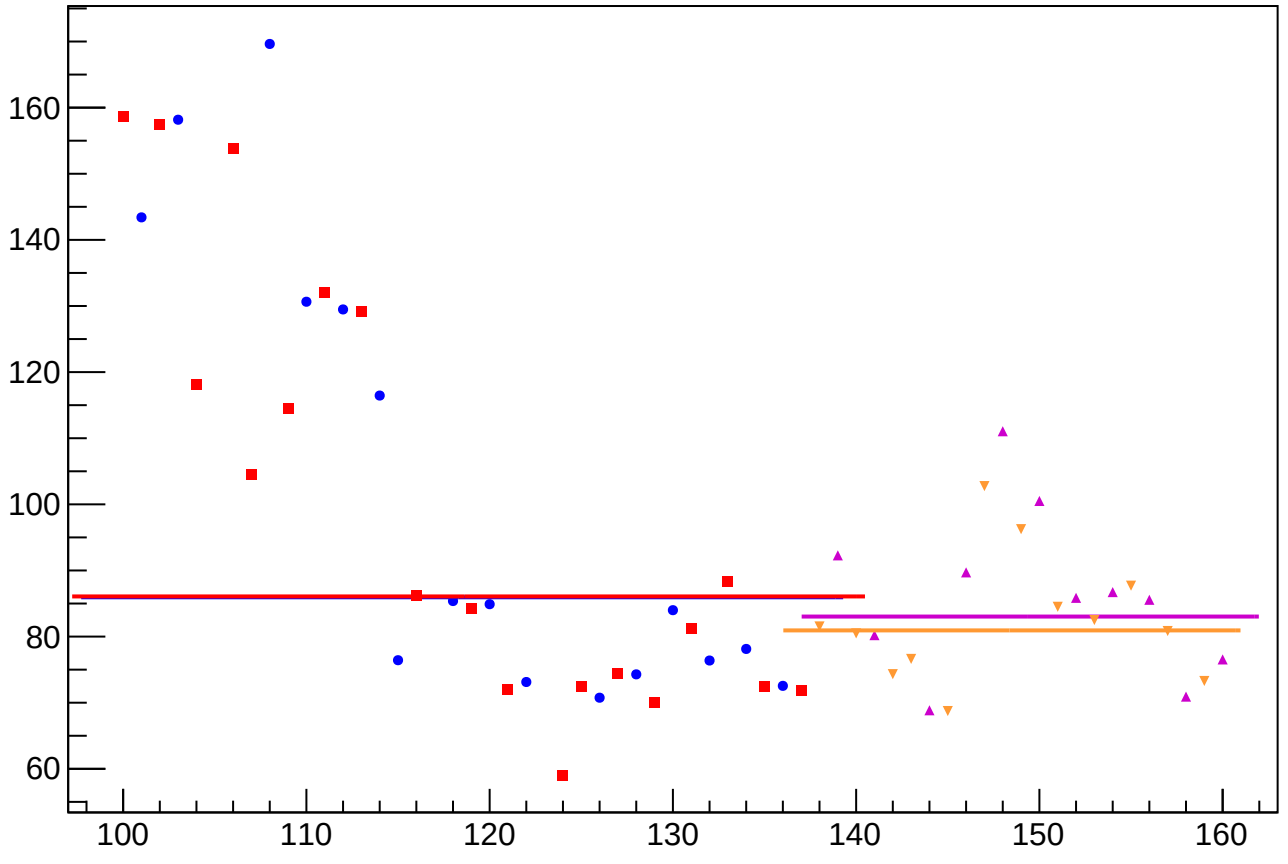
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.036+/-0.027 χ^2/NDF:11.7/10

+ sign -0.009+/-0.021 χ^2/NDF: 28.0/27

All: 0.012+/-0.015 χ^2/NDF: 59.8/57

- 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: 80.935+/-0.019 χ^2/NDF:211305.8/11

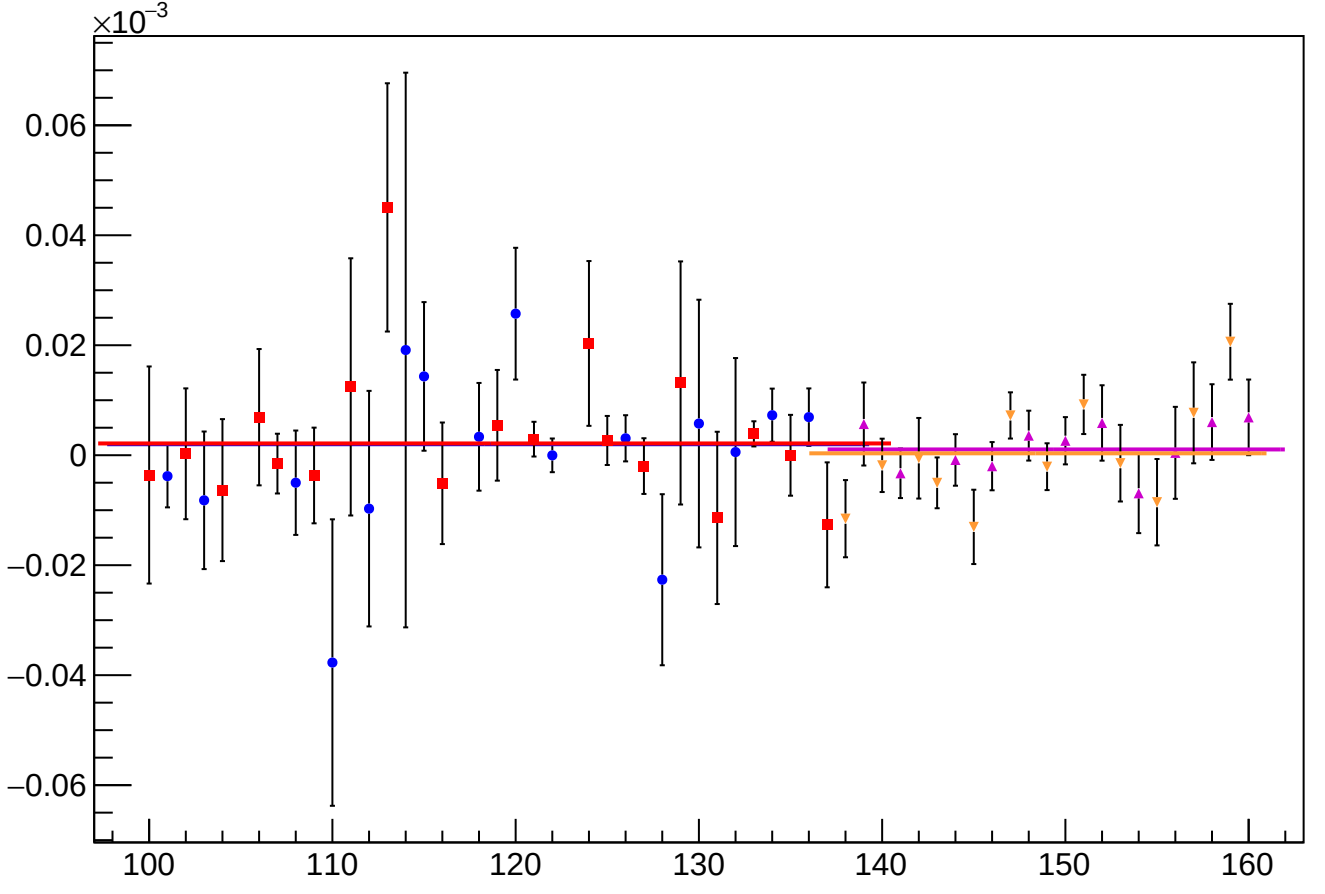
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 83.030+/-0.019 χ^2/NDF:334250.8/10

+ sign 82.869+/-0.015 χ^2/NDF: 1274095.7/27

All: 83.557+/-0.010 χ^2/NDF: 2614324.1/57

- 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:24.7/11

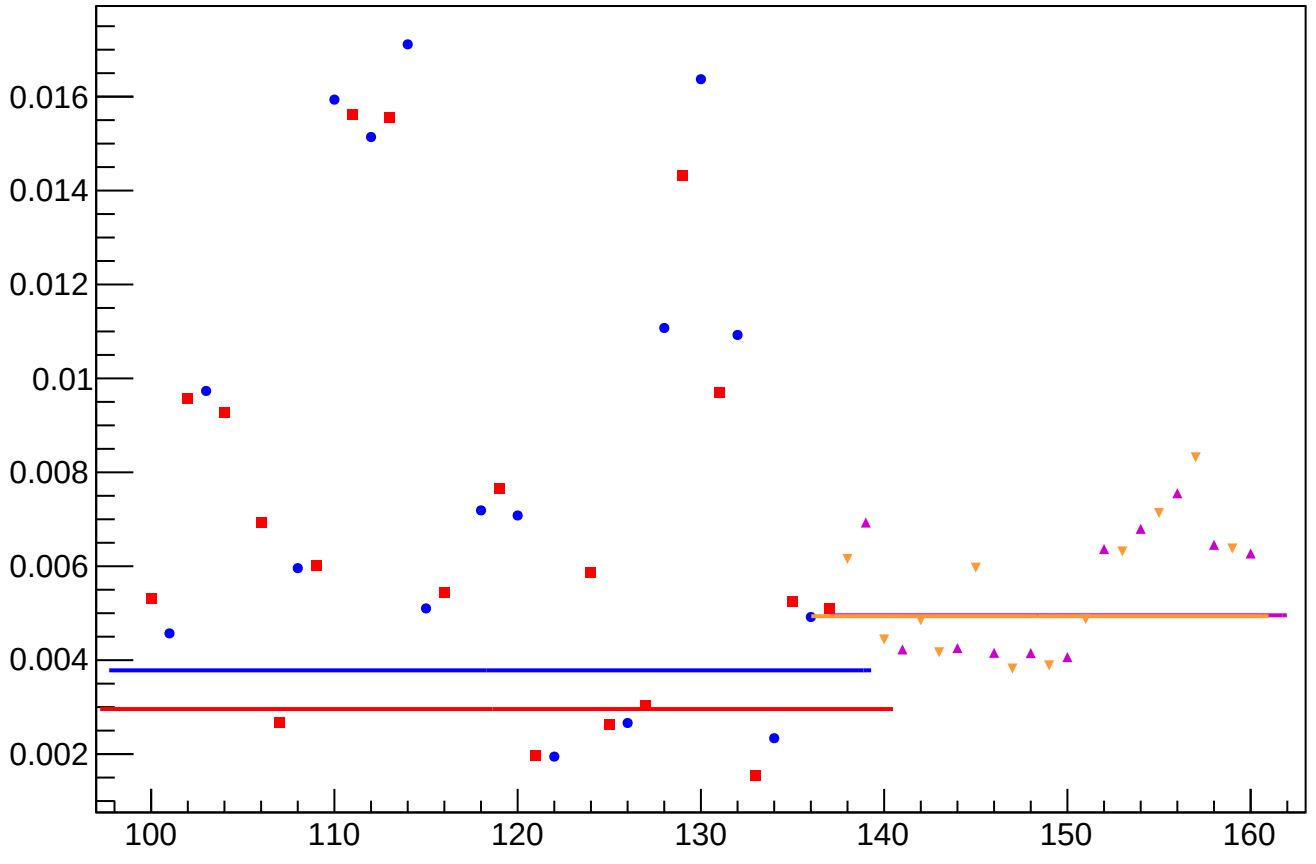
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 40.1/27

All: 0.000+/-0.000 χ^2/NDF: 57.3/57

- sign 0.000+/-0.000 χ^2/NDF: 17.1/29



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1039286.6/11

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

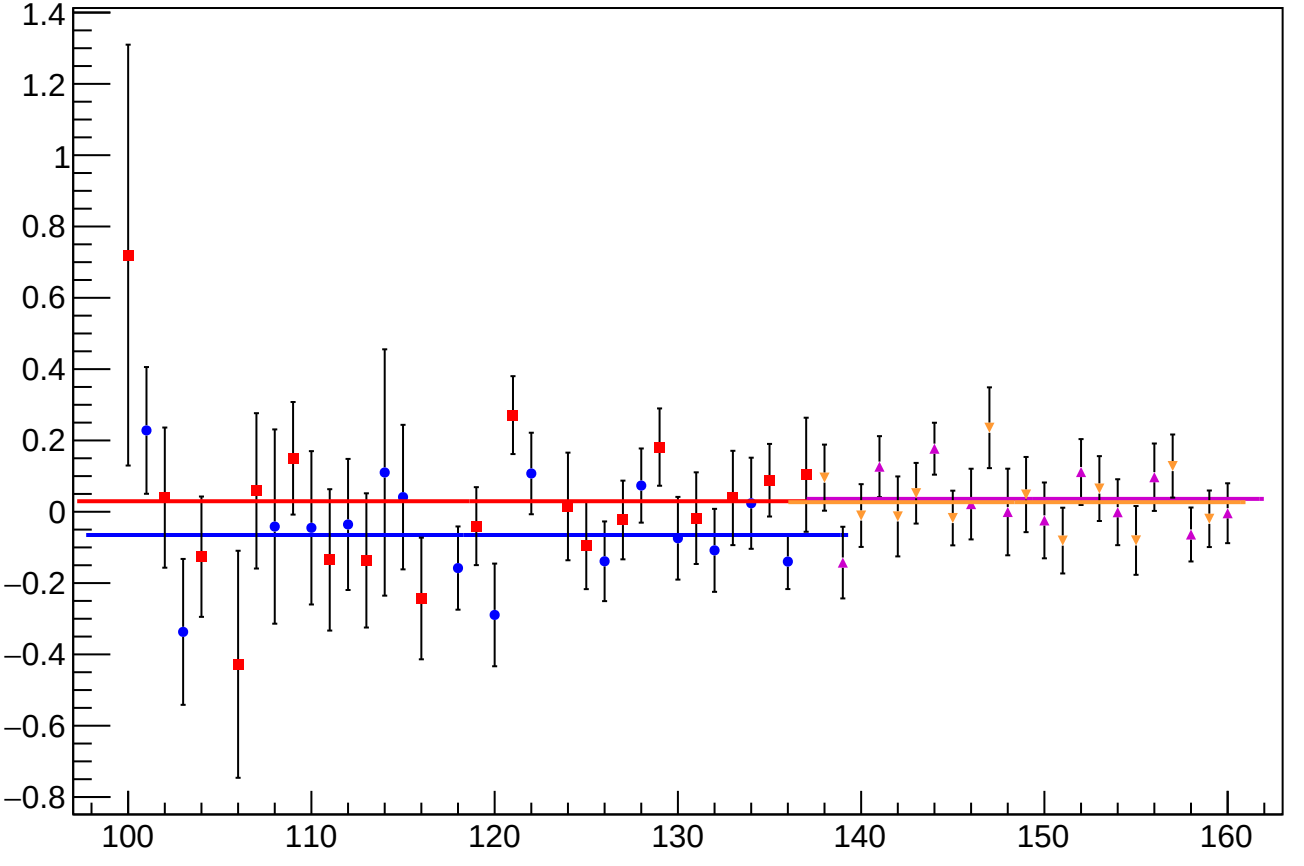
Left In: 0.005+/-0.000 χ^2/NDF:1023999.8/10

+ sign 0.004+/-0.000 χ^2/NDF: 6193542.2/27

All: 0.004+/-0.000 χ^2/NDF: 14734870.3/57

- sign 0.004+/-0.000 χ^2/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: 0.027+/-0.026 χ^2/NDF:9.2/11

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

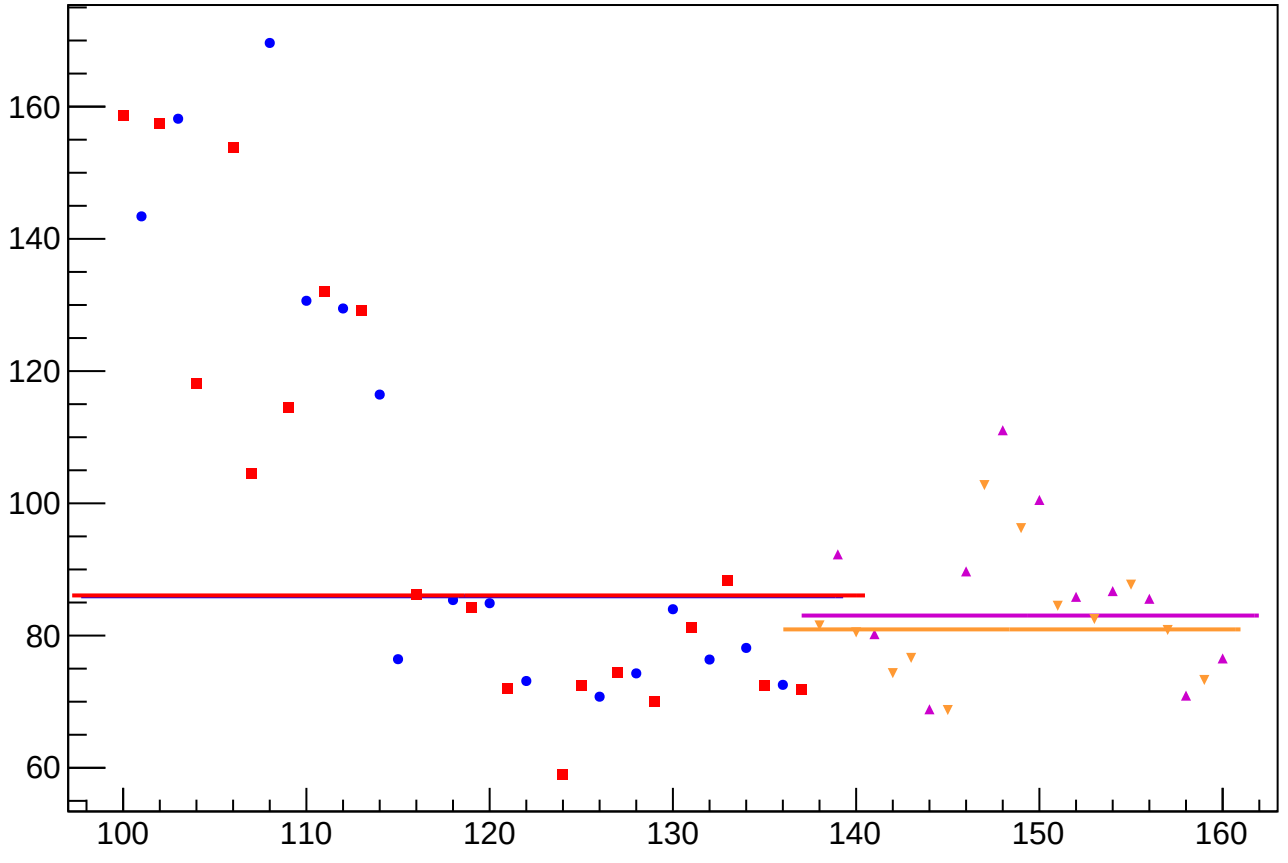
Left In: 0.036+/-0.027 χ^2/NDF:11.7/10

+ sign -0.009+/-0.021 χ^2/NDF: 28.0/27

All: 0.012+/-0.015 χ^2/NDF: 59.8/57

- sign 0.033+/-0.021 χ^2/NDF: 29.8/29

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 80.935+/-0.019 χ^2/NDF:211341.5/11

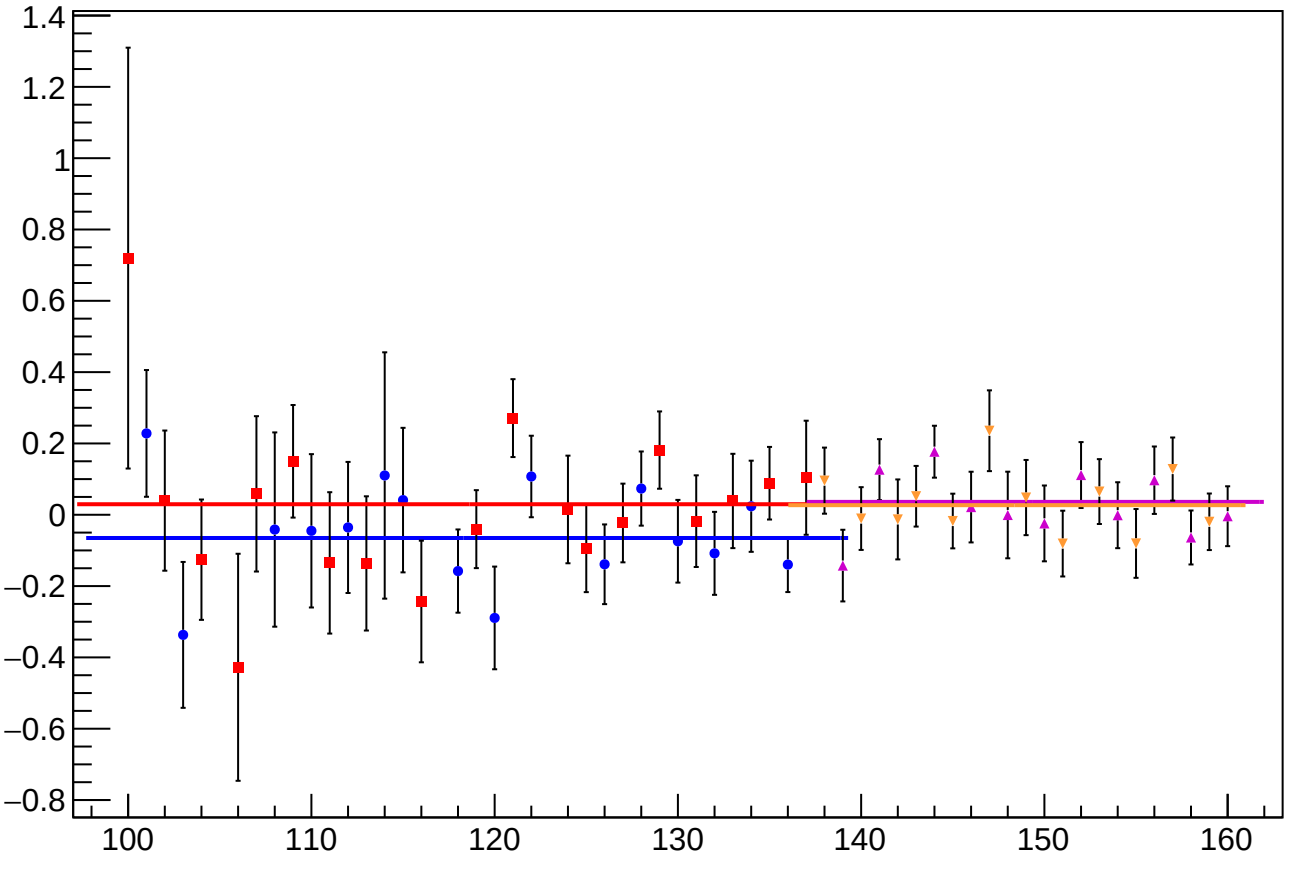
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.029+/-0.019 χ^2/NDF:334279.1/10

+ sign 82.868+/-0.015 χ^2/NDF: 1274092.4/27

All: 83.556+/-0.010 χ^2/NDF: 2614333.3/57

- 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: 0.027+/-0.026 χ^2/NDF:9.2/11

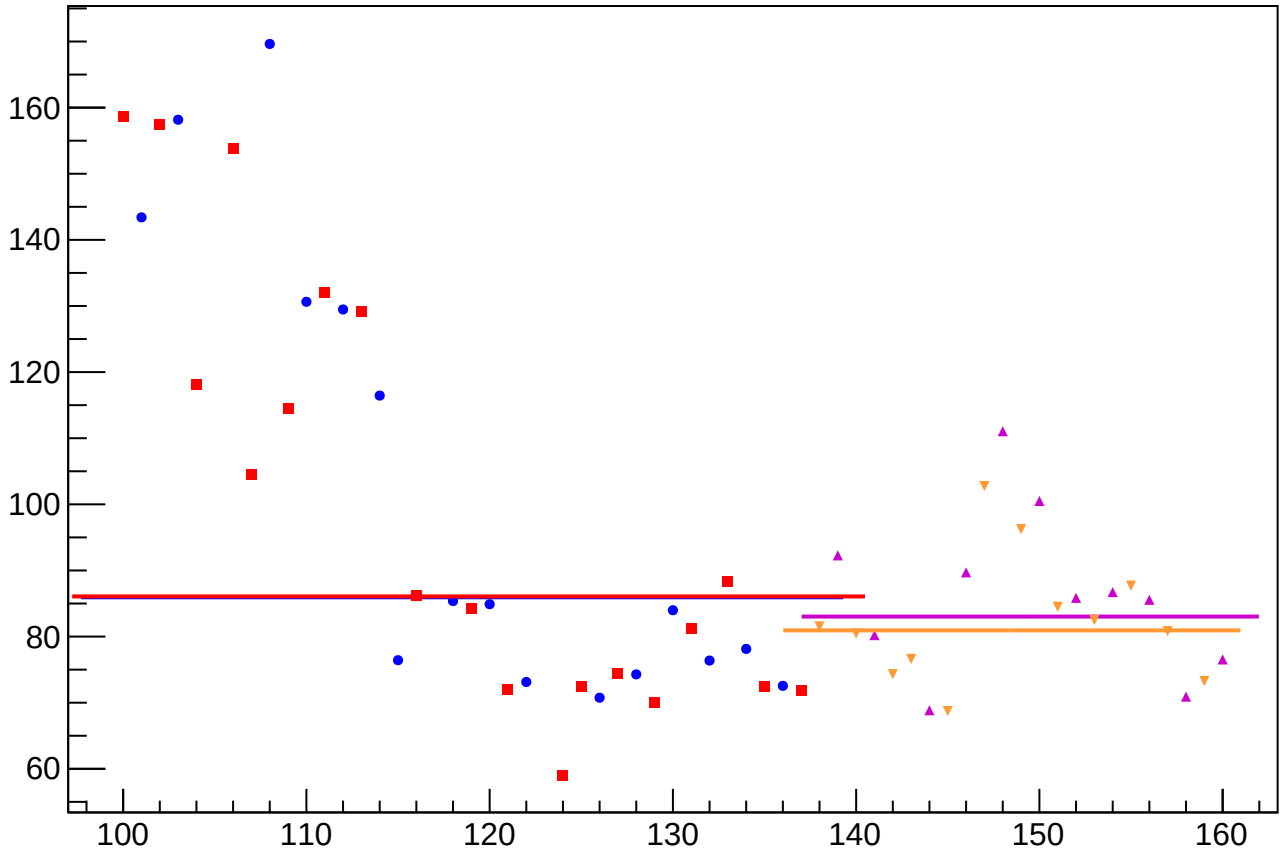
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.036+/-0.027 χ^2/NDF:11.7/10

+ sign -0.009+/-0.021 χ^2/NDF: 28.0/27

All: 0.012+/-0.015 χ^2/NDF: 59.8/57

- 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: 80.935+/-0.019 χ^2/NDF:211341.5/11

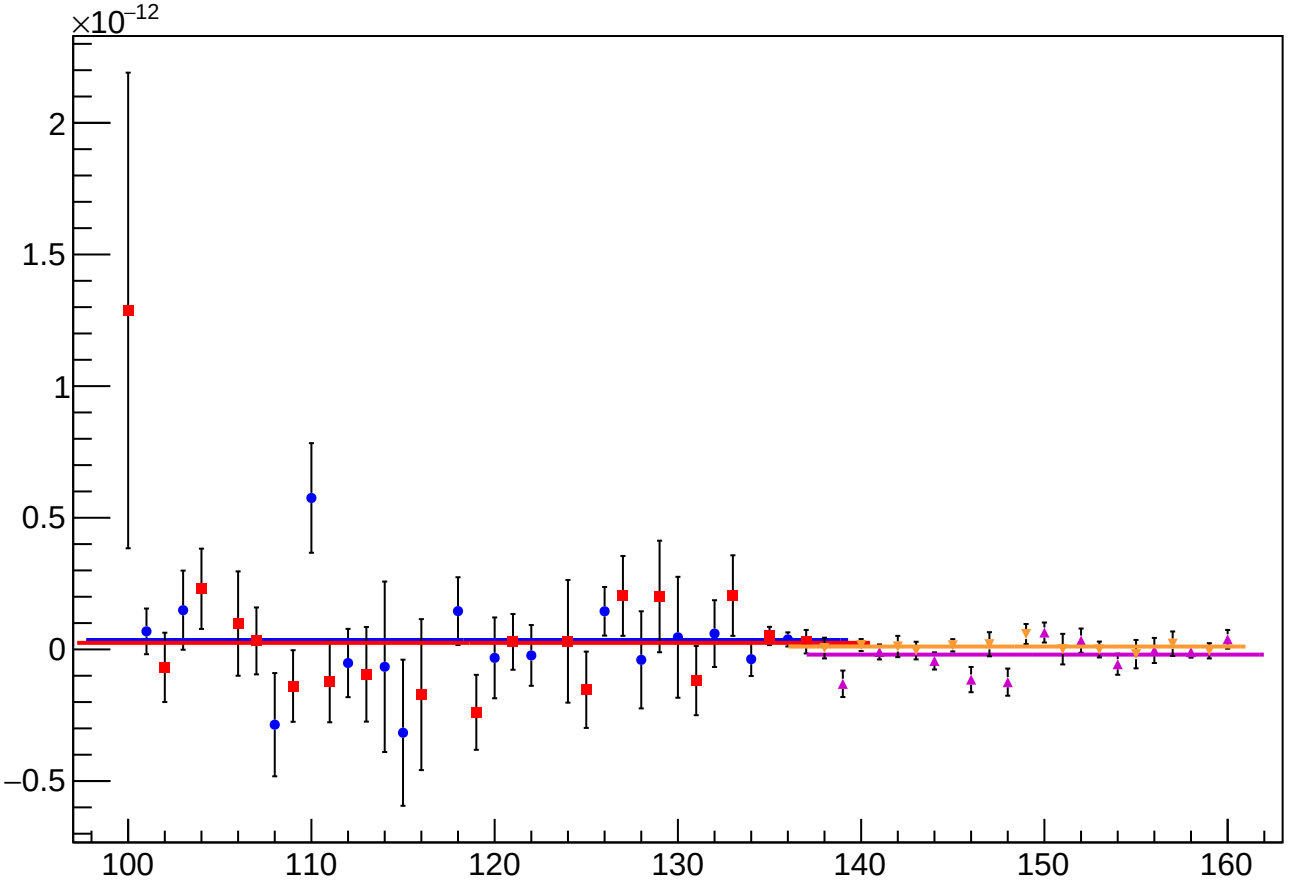
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 83.029+/-0.019 χ^2/NDF:334279.1/10

+ sign 82.868+/-0.015 χ^2/NDF: 1274092.4/27

All: 83.556+/-0.010 χ^2/NDF: 2614333.3/57

- 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:2.7/11

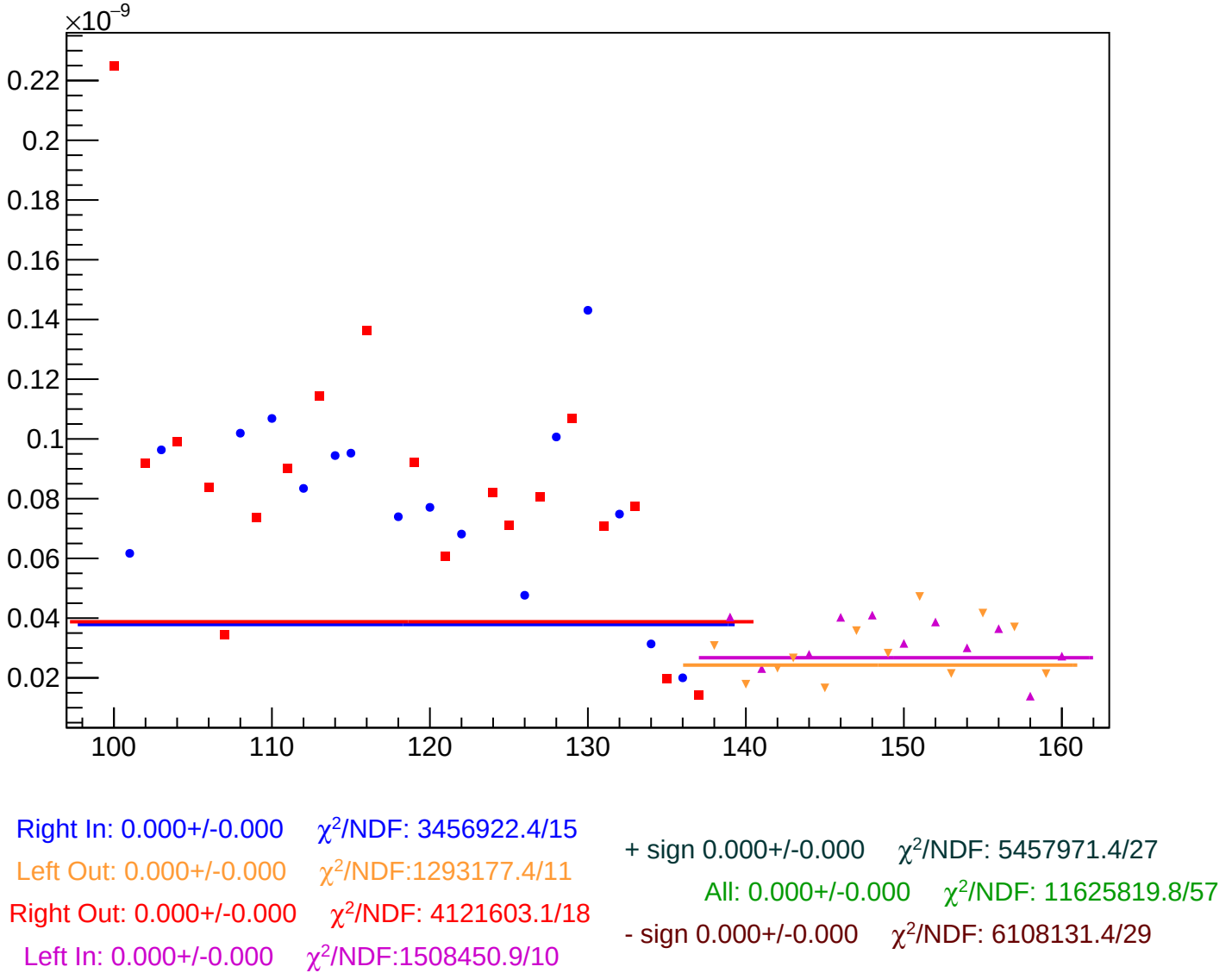
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:23.6/10

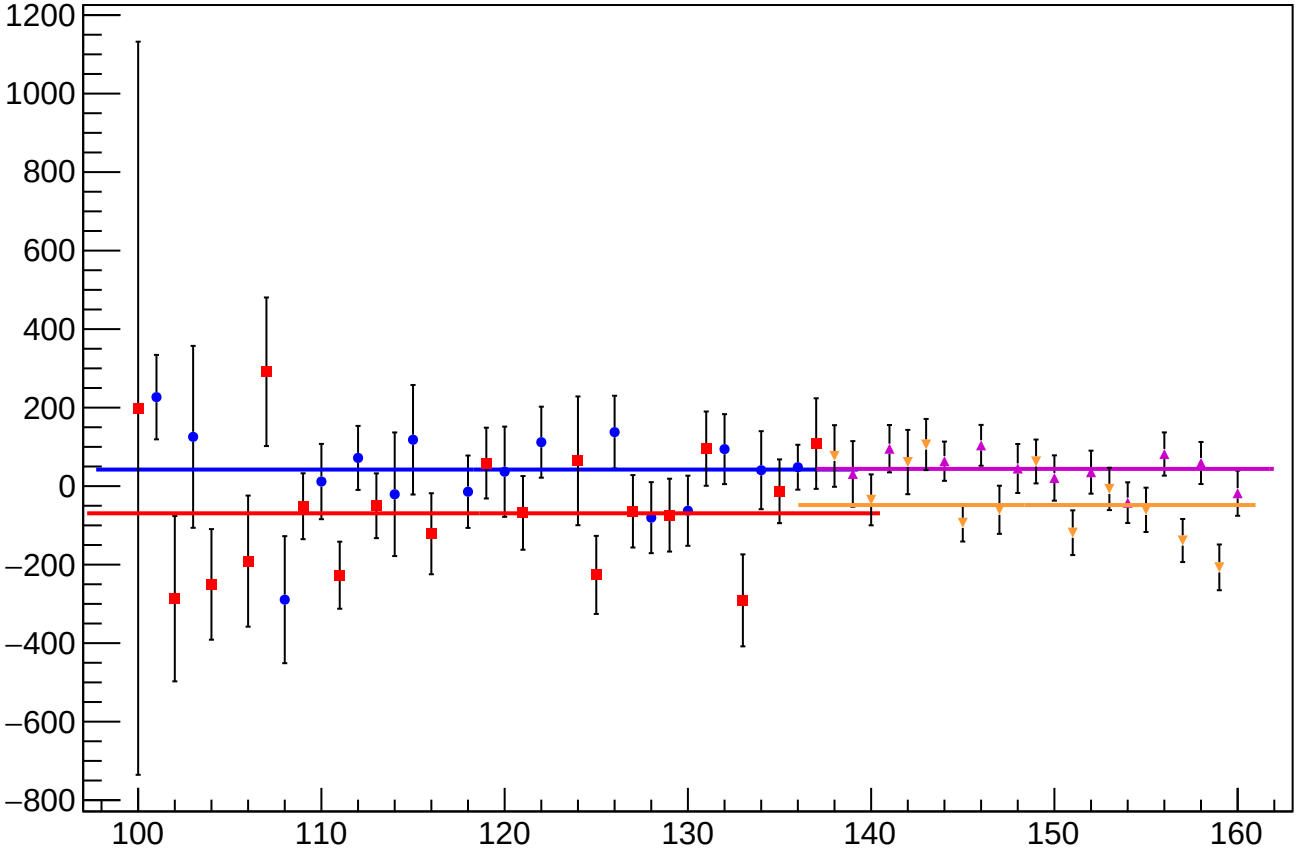
+ sign 0.000+/-0.000 χ^2/NDF: 20.3/27

All: 0.000+/-0.000 χ^2/NDF: 69.2/57

- 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:1293177.4/11
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: 5457971.4/27
All: 0.000+/-0.000 χ²/NDF: 11625819.8/57
- 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: -48.156+/-17.137 χ^2/NDF:27.2/11

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

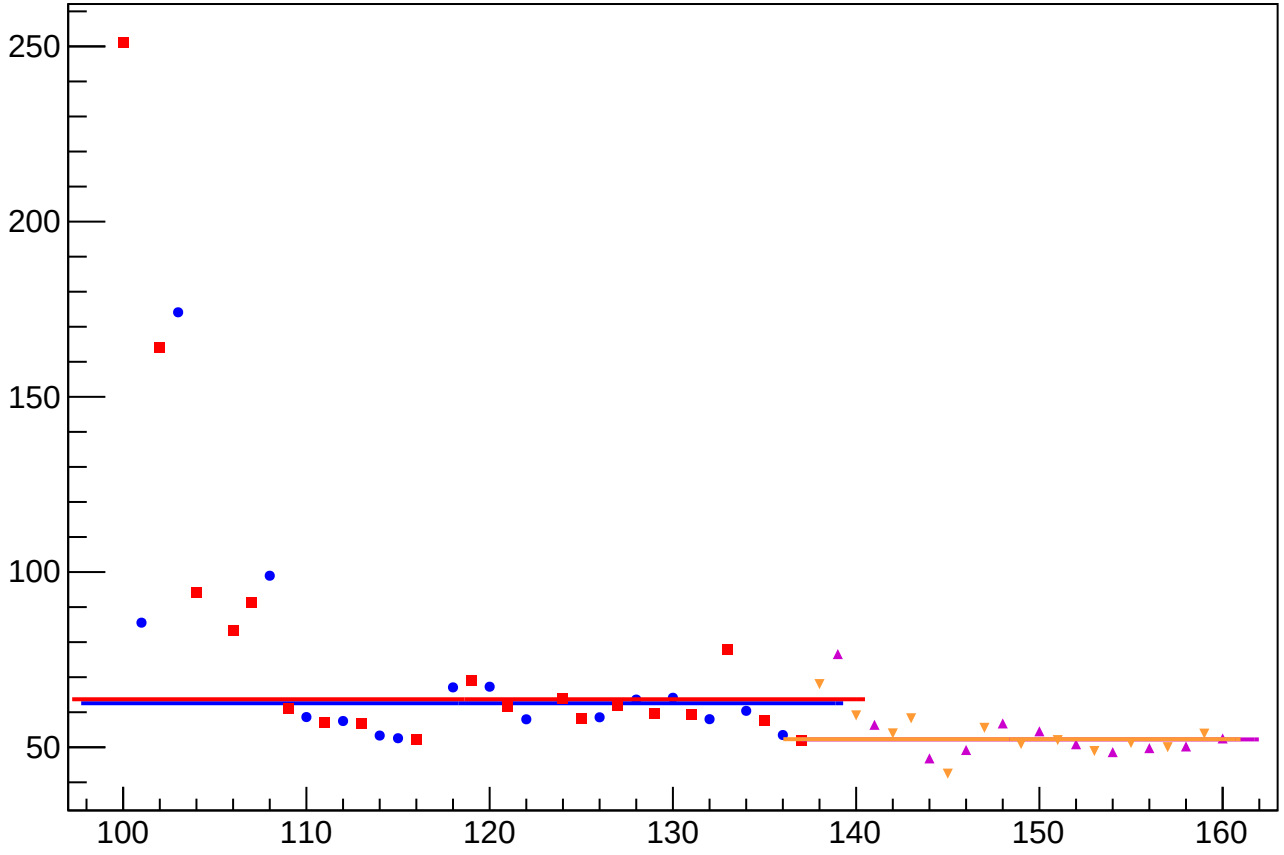
Left In: 43.870+/-17.077 χ^2/NDF:6.9/10

+ sign -17.984+/-13.987 χ^2/NDF: 50.0/27

All: -5.641+/-9.893 χ^2/NDF: 98.2/57

- 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: 52.306+/-0.012 χ^2/NDF:225546.0/11

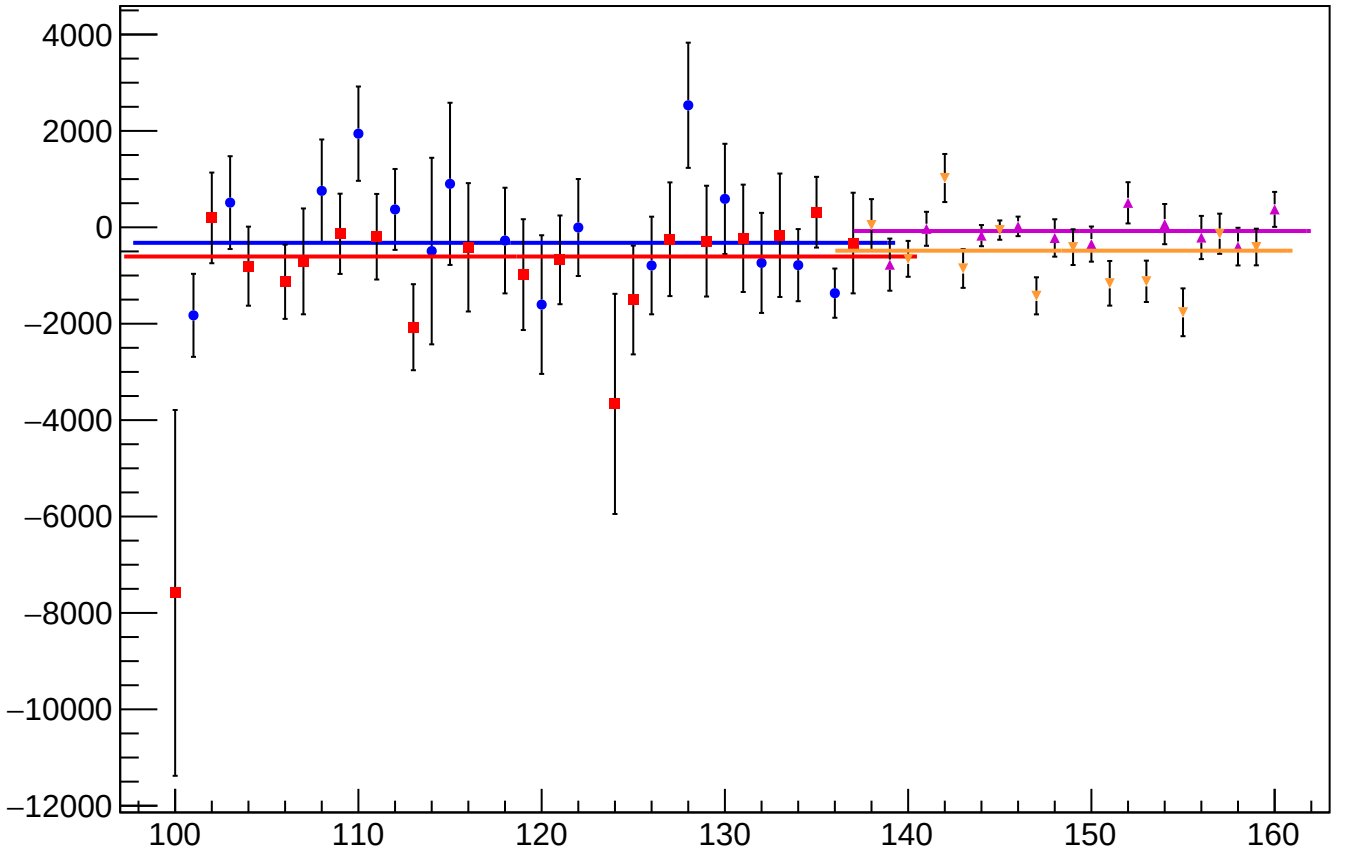
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 52.240+/-0.012 χ^2/NDF:241743.4/10

+ sign 55.731+/-0.010 χ^2/NDF: 1223481.8/27

All: 55.867+/-0.007 χ^2/NDF: 2595560.8/57

- 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: -484.810+/-107.418 χ^2/NDF:33.4/11

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

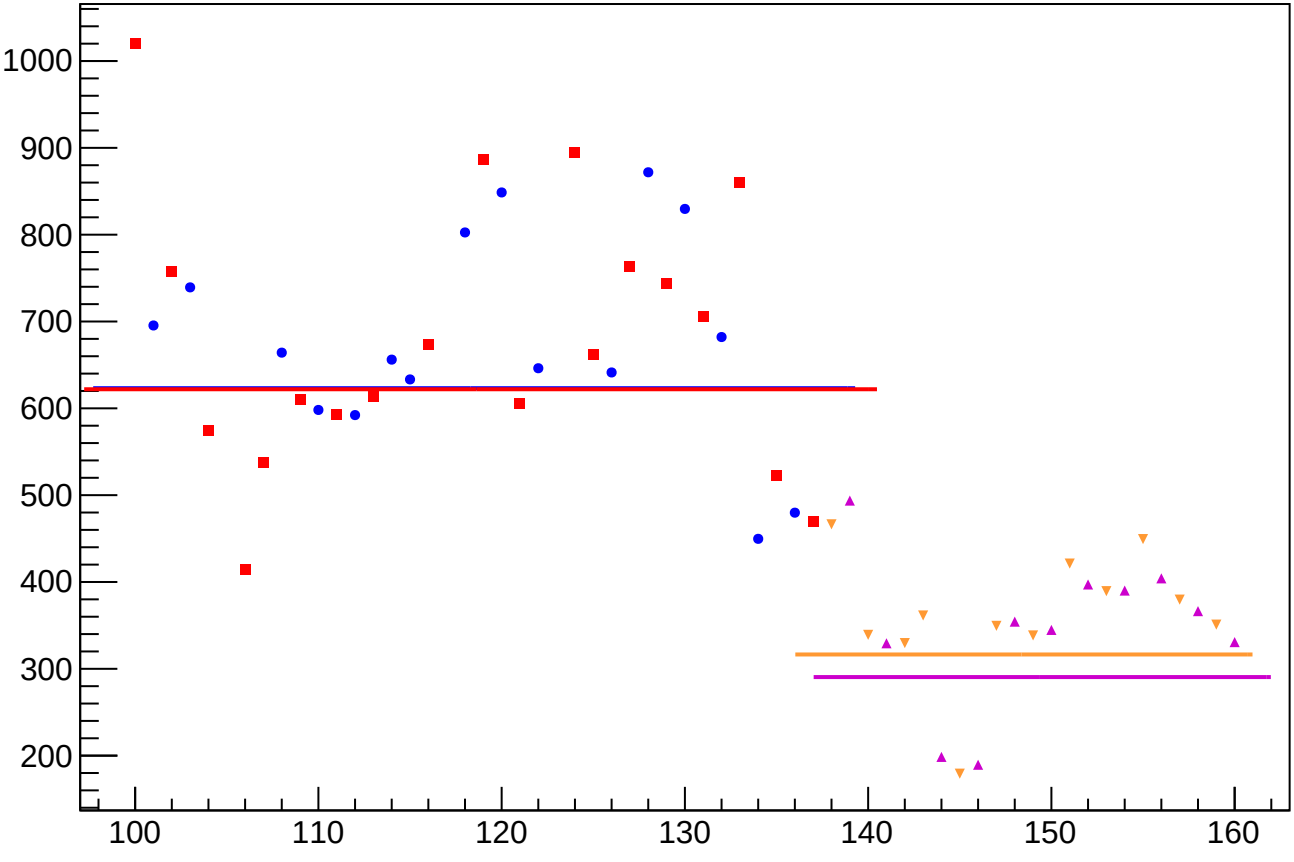
Left In: -76.903+/-99.469 χ^2/NDF:7.1/10

+ sign -457.293+/-97.941 χ^2/NDF: 56.5/27

All: -297.549+/-66.869 χ^2/NDF: 85.4/57

- 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: 316.515+/-0.076 χ^2/NDF:1516285.6/11

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

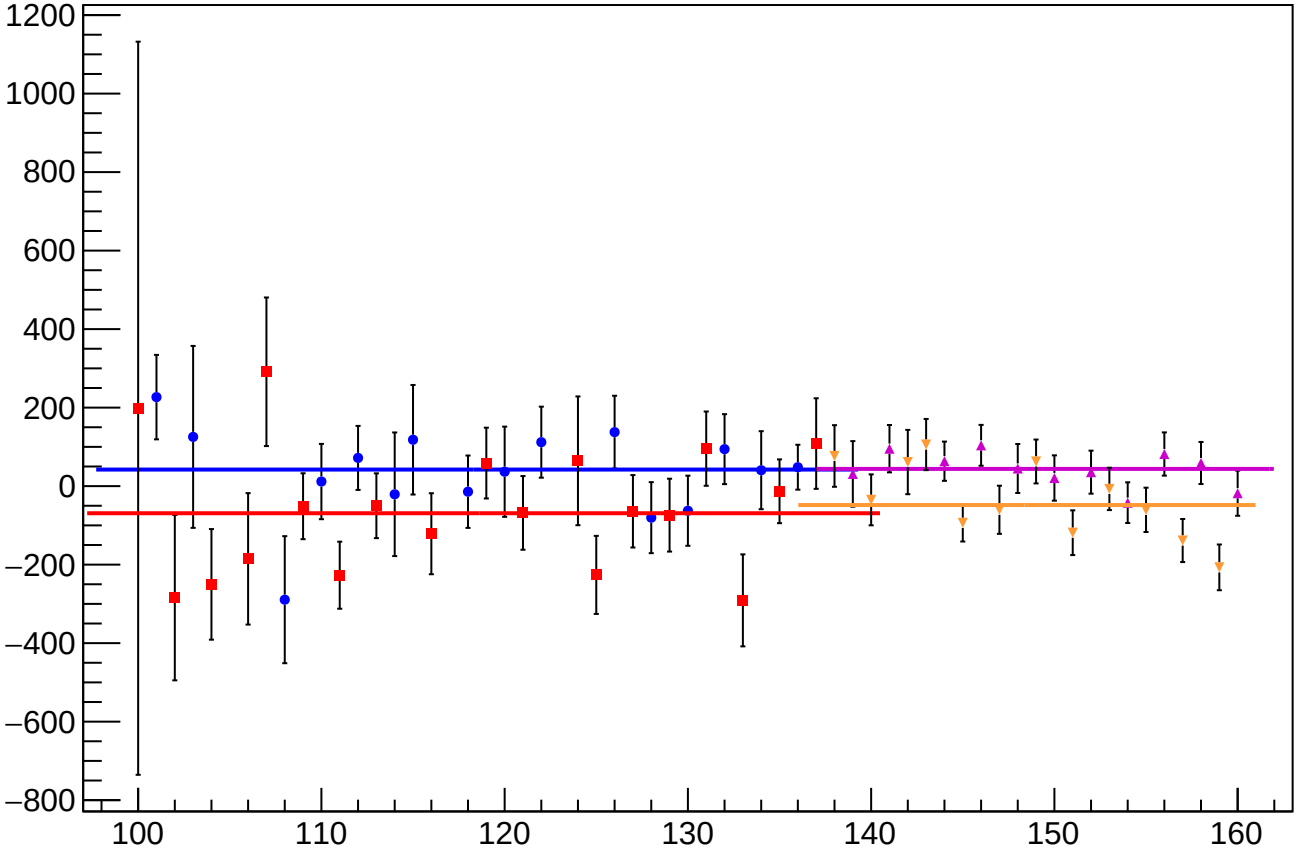
Left In: 290.493+/-0.070 χ^2/NDF:1720193.0/10

+ sign 368.238+/-0.069 χ^2/NDF: 4831135.4/27

All: 353.886+/-0.047 χ^2/NDF: 10622395.2/57

- 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: -48.155+/-17.137 χ^2/NDF:27.2/11

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

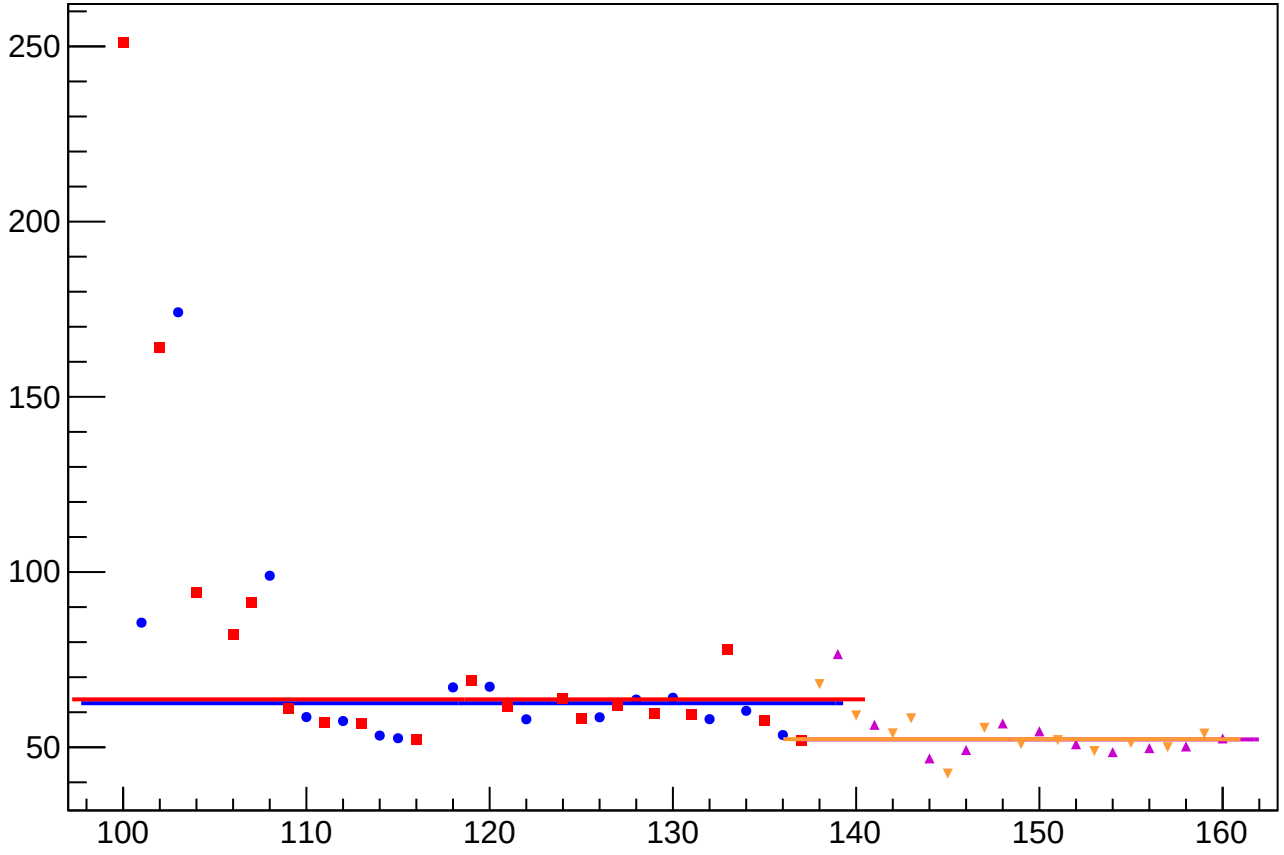
Left In: 43.868+/-17.077 χ^2/NDF:6.9/10

+ sign -17.985+/-13.987 χ^2/NDF: 50.0/27

All: -5.611+/-9.893 χ^2/NDF: 98.1/57

- 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: 52.306+/-0.012 χ^2/NDF:225546.0/11

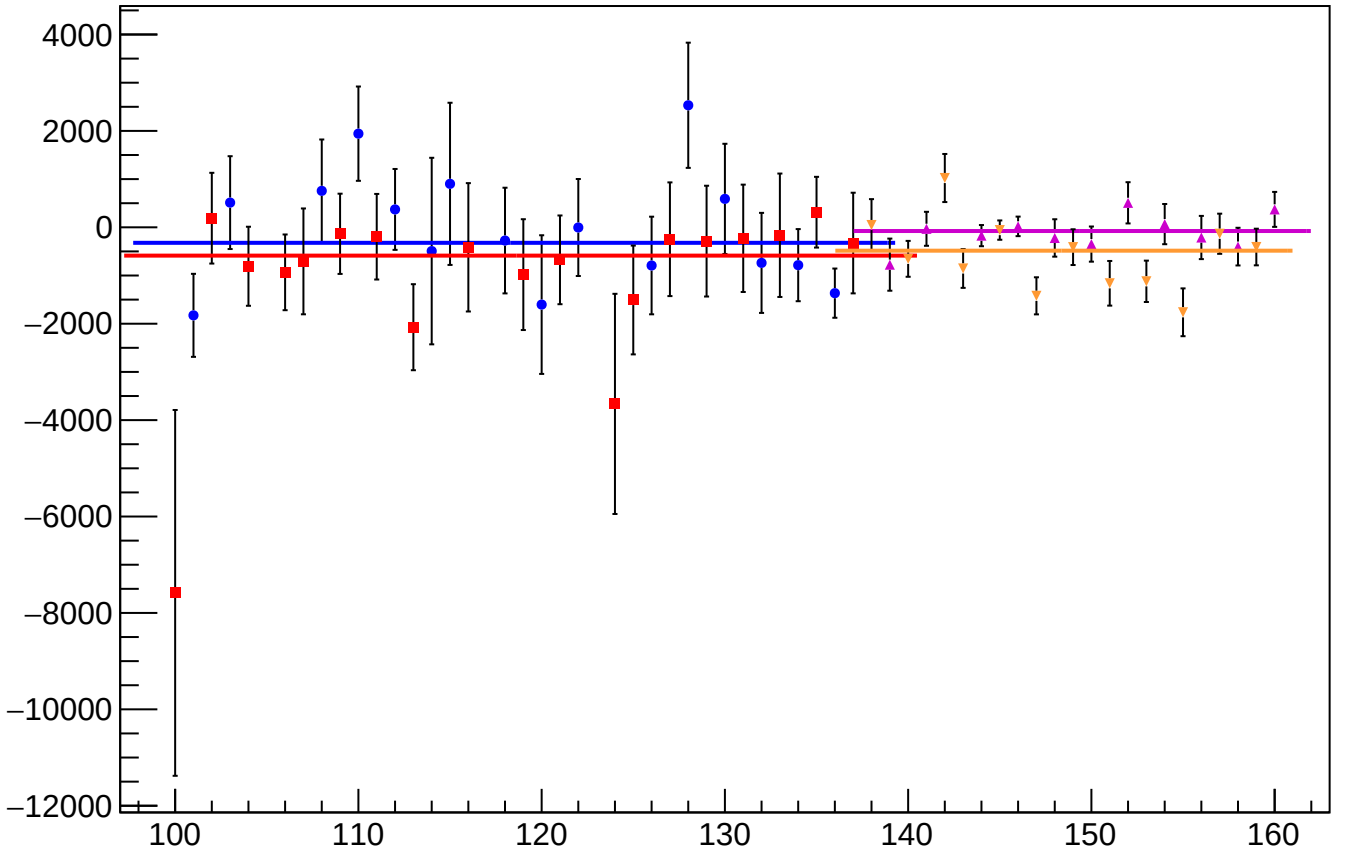
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.240+/-0.012 χ^2/NDF:241743.4/10

+ sign 55.731+/-0.010 χ^2/NDF: 1223483.8/27

All: 55.863+/-0.007 χ^2/NDF: 2591523.5/57

- 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: -484.807+/-107.418 χ^2/NDF:33.4/11

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

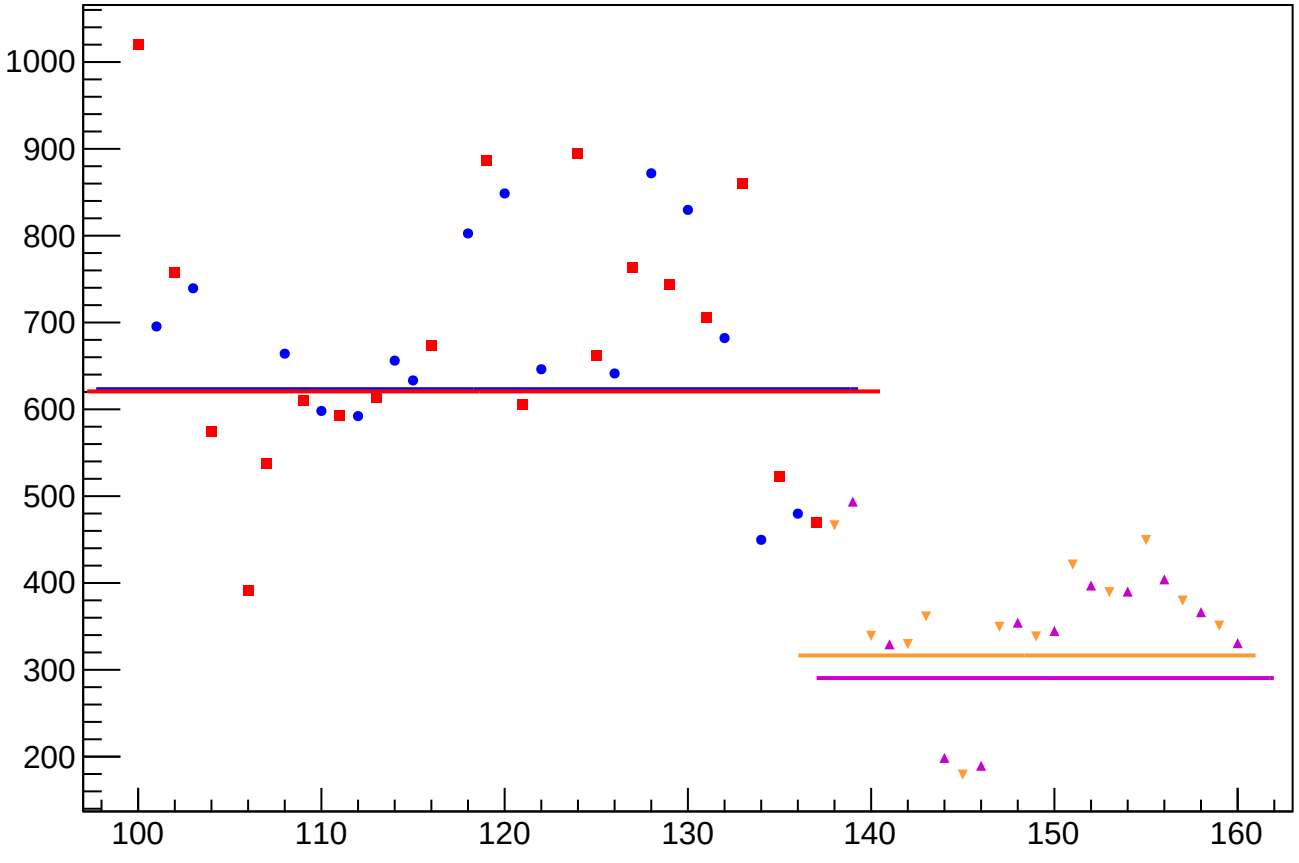
Left In: -76.907+/-99.468 χ^2/NDF:7.1/10

\+ sign -457.291+/-97.941 χ^2/NDF: 56.5/27

All: -295.934+/-66.879 χ^2/NDF: 84.9/57

\- 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: 316.515+/-0.076 χ^2/NDF:1516292.7/11

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

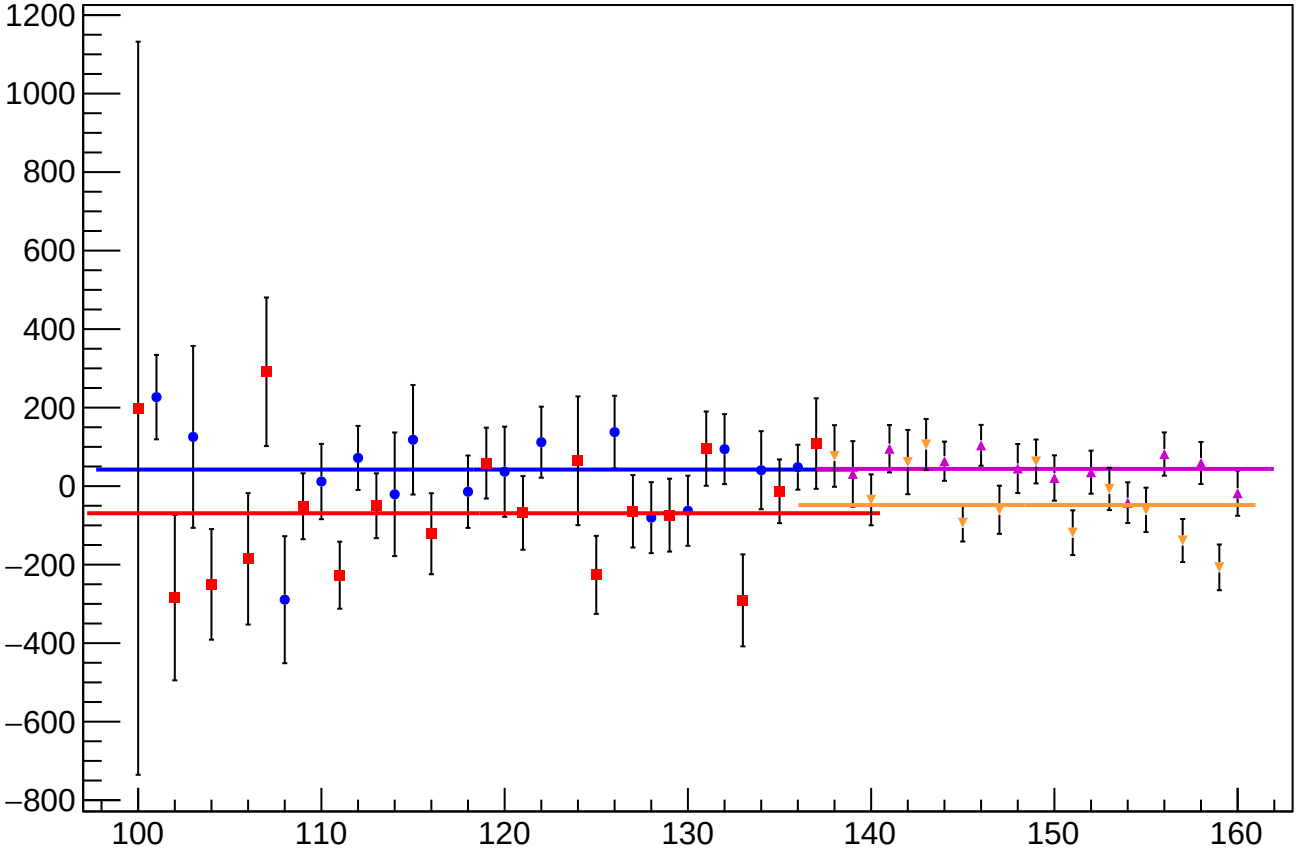
Left In: 290.493+/-0.070 χ^2/NDF:1720199.6/10

+ sign 368.238+/-0.069 χ^2/NDF: 4831204.5/27

All: 353.697+/-0.047 χ^2/NDF: 10615157.0/57

- 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: -48.155+/-17.137 χ^2/NDF:27.2/11

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

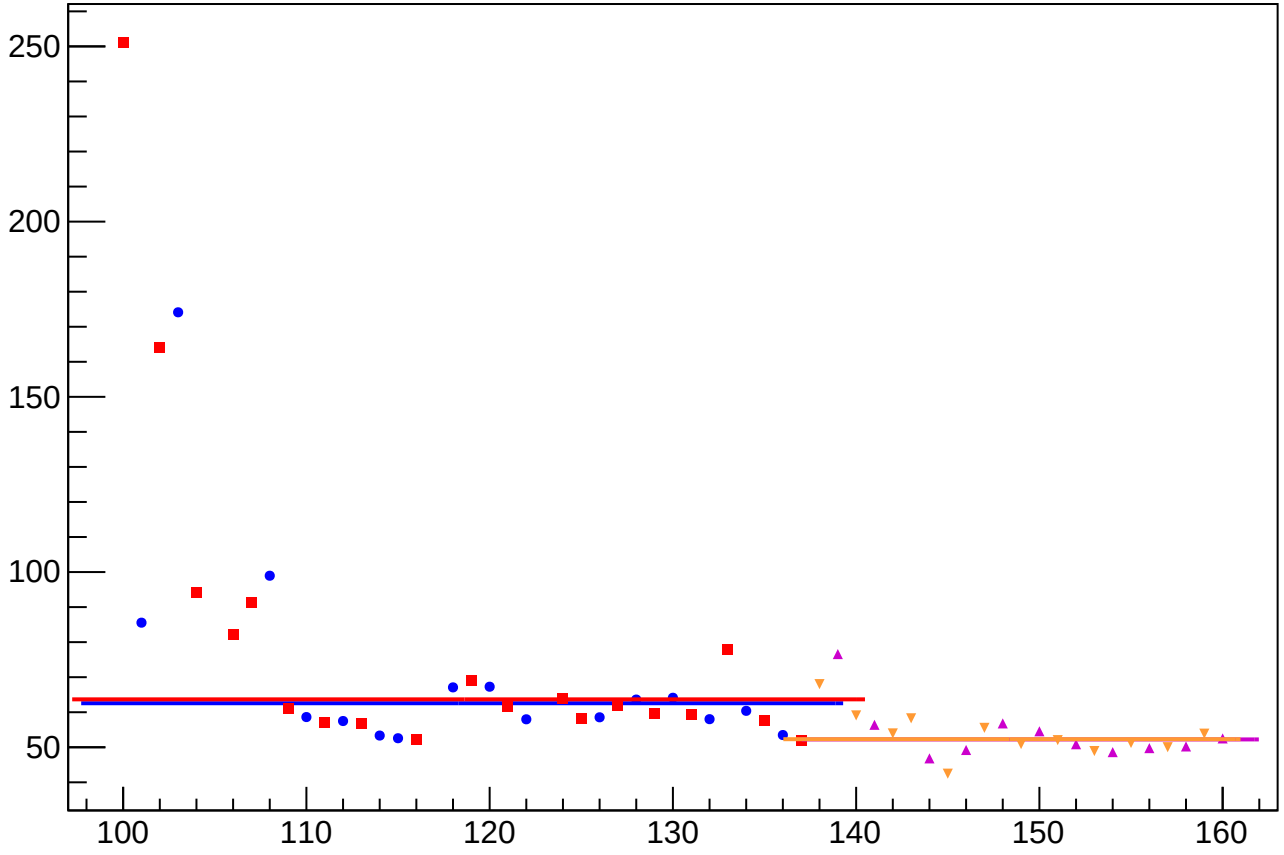
Left In: 43.868+/-17.077 χ^2/NDF:6.9/10

+ sign -17.985+/-13.987 χ^2/NDF: 50.0/27

All: -5.611+/-9.893 χ^2/NDF: 98.1/57

- 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: 52.306+/-0.012 χ^2/NDF:225546.0/11

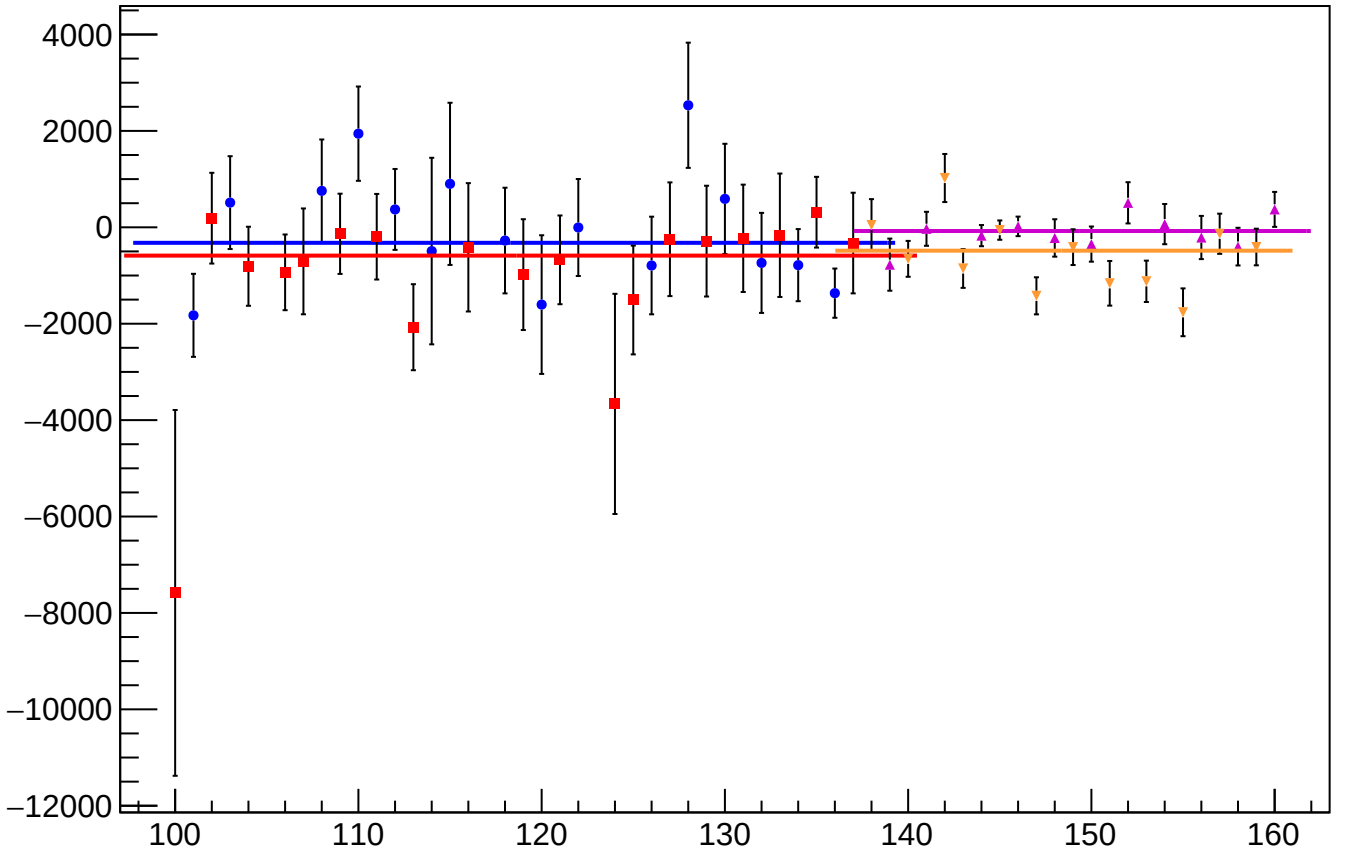
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.240+/-0.012 χ^2/NDF:241743.4/10

+ sign 55.731+/-0.010 χ^2/NDF: 1223483.8/27

All: 55.863+/-0.007 χ^2/NDF: 2591523.5/57

- 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: -484.807+/-107.418 χ^2/NDF:33.4/11

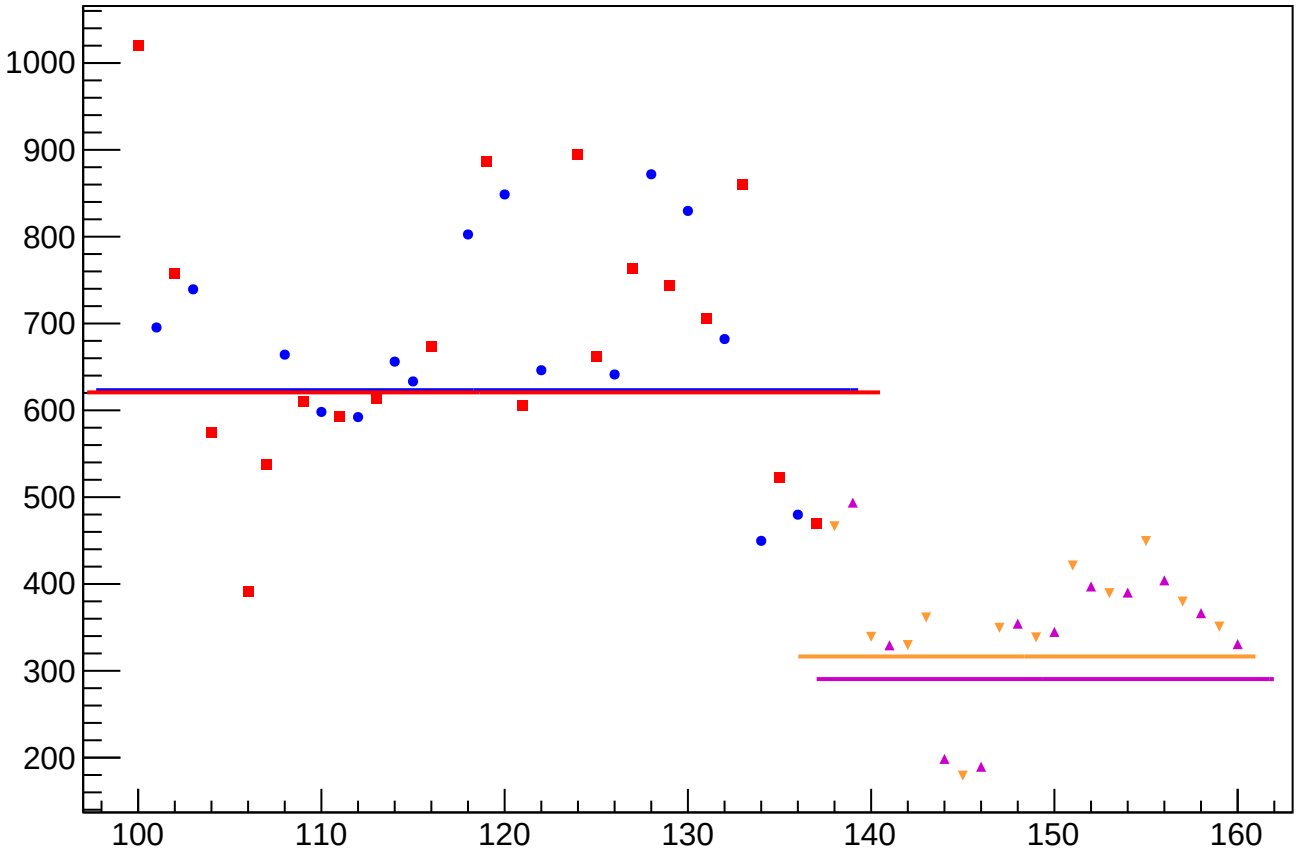
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -76.907+/-99.468 χ^2/NDF:7.1/10

+ sign -457.291+/-97.941 χ^2/NDF: 56.5/27

All: -295.934+/-66.879 χ^2/NDF: 84.9/57

- 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: 316.515+/-0.076 χ^2/NDF:1516292.7/11

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

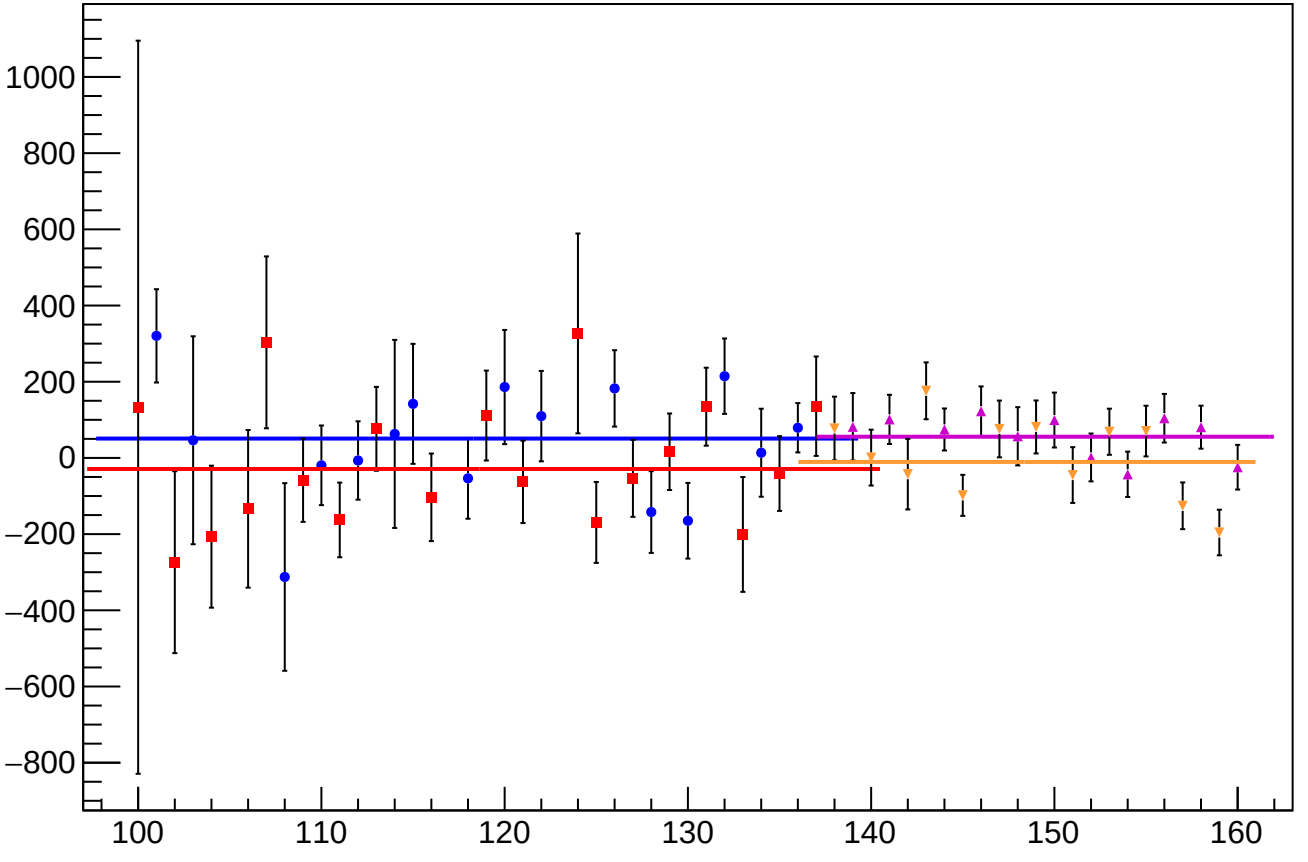
Left In: 290.493+/-0.070 χ^2/NDF:1720199.6/10

+ sign 368.238+/-0.069 χ^2/NDF: 4831204.5/27

All: 353.697+/-0.047 χ^2/NDF: 10615157.0/57

- 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: -10.525+/-19.659 χ^2/NDF:29.8/11

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

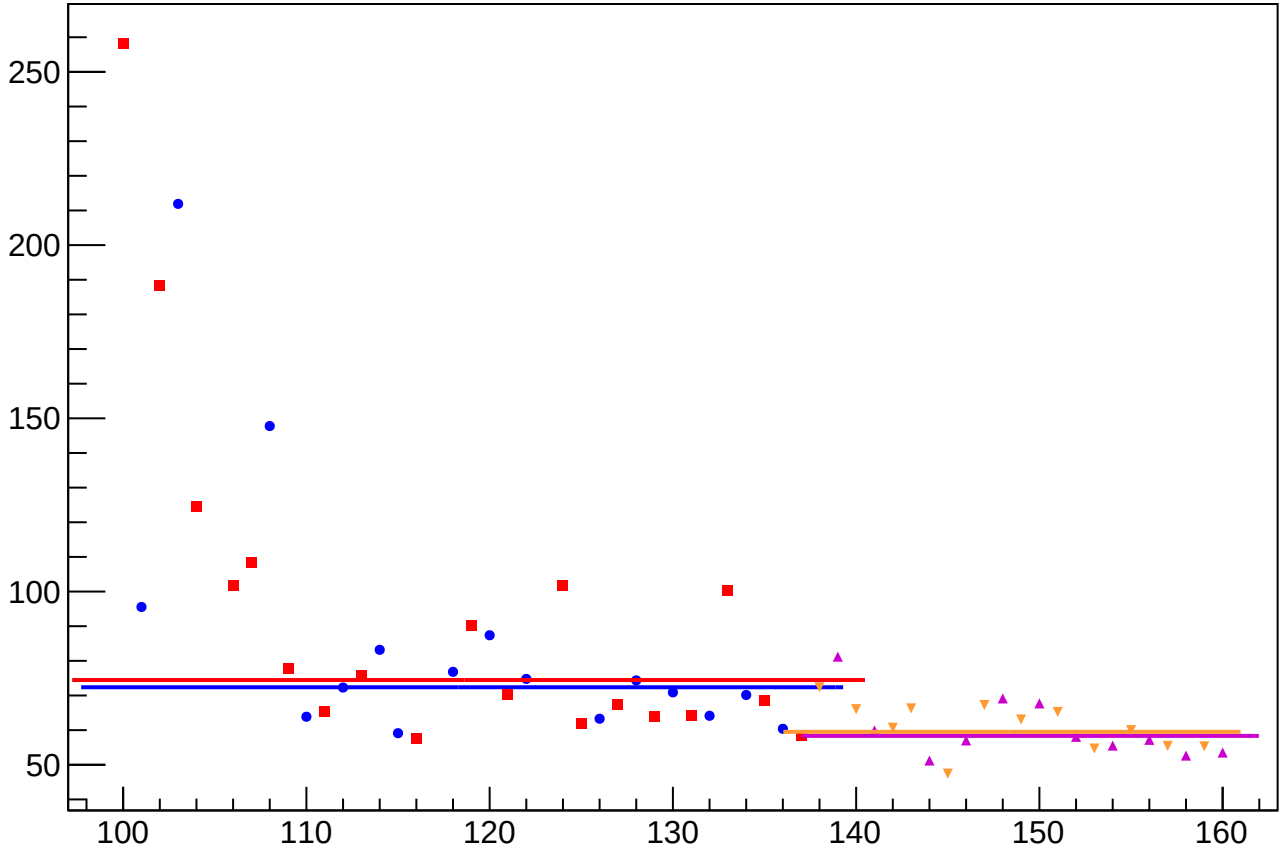
Left In: 55.627+/-19.309 χ^2/NDF:8.3/10

+ sign 9.433+/-16.148 χ^2/NDF: 55.8/27

All: 19.528+/-11.386 χ^2/NDF: 89.3/57

- 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: 59.510+/-0.014 χ^2/NDF:250931.9/11

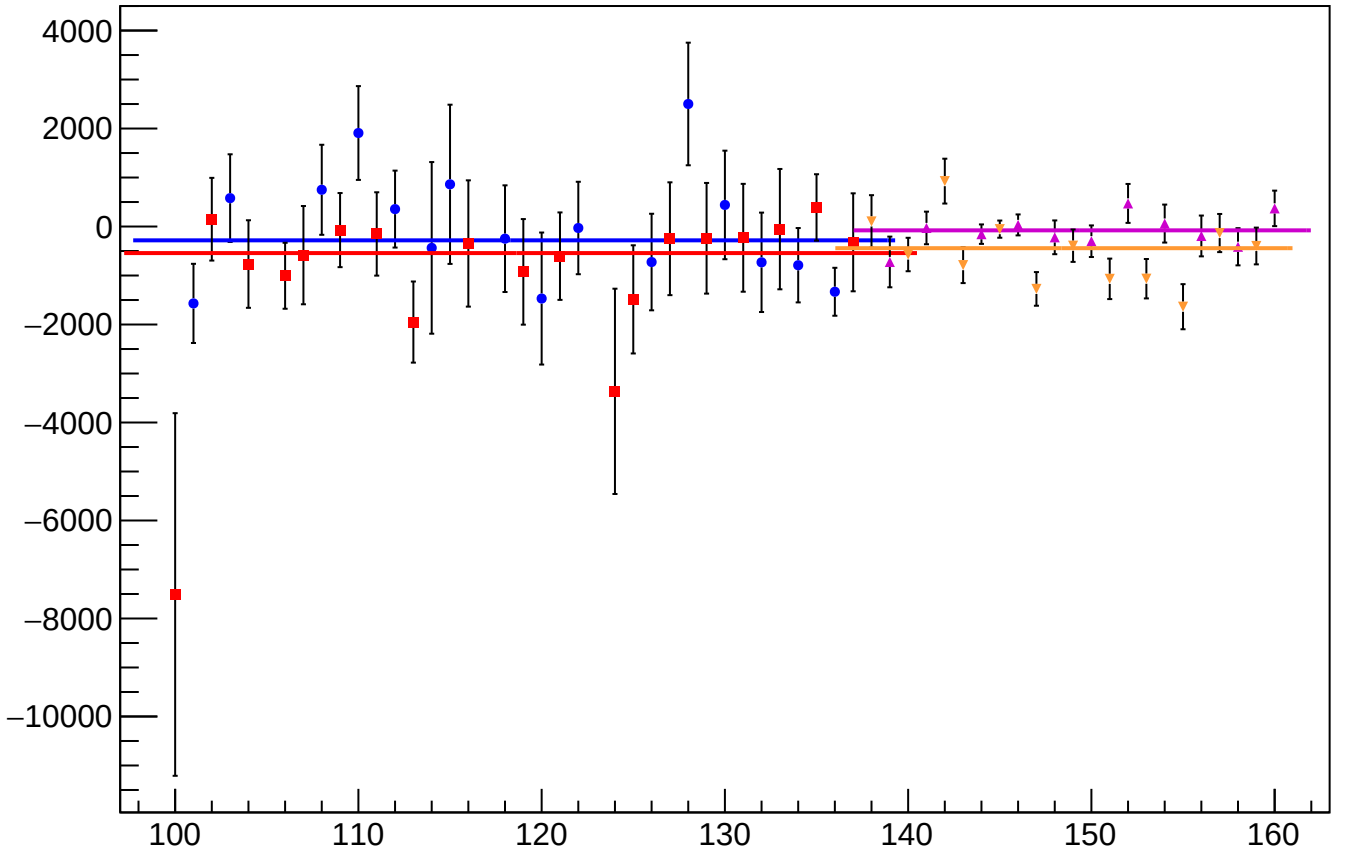
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 58.337+/-0.014 χ^2/NDF:281227.2/10

+ sign 63.695+/-0.011 χ^2/NDF: 1467782.8/27

All: 63.502+/-0.008 χ^2/NDF: 3232215.4/57

- 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: -442.124+/-97.657 χ^2/NDF:33.9/11

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

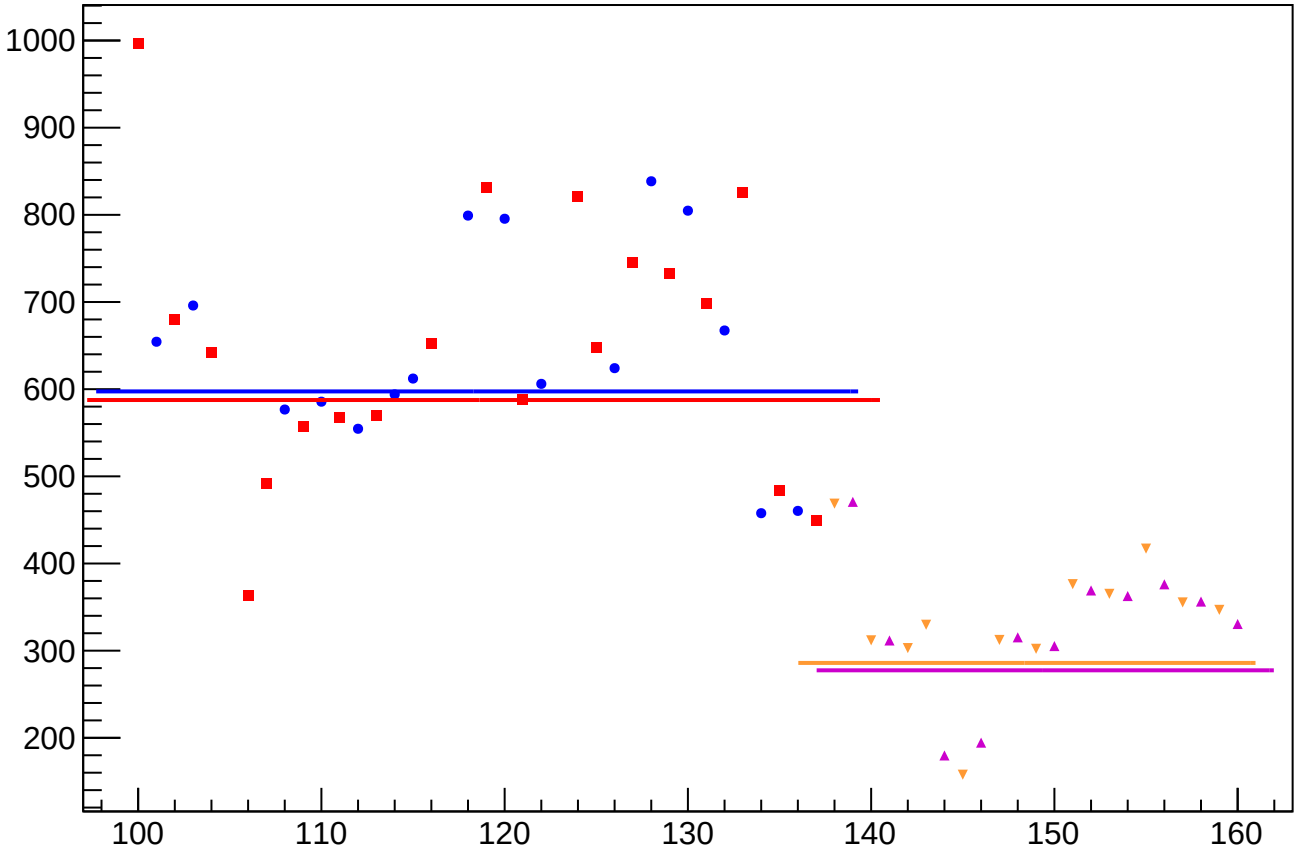
Left In: -78.144+/-94.782 χ^2/NDF:7.1/10

+ sign -417.269+/-89.757 χ^2/NDF: 57.1/27

All: -279.761+/-62.508 χ^2/NDF: 85.7/57

- 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: 285.942+/-0.069 χ^2/NDF:1811990.5/11

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

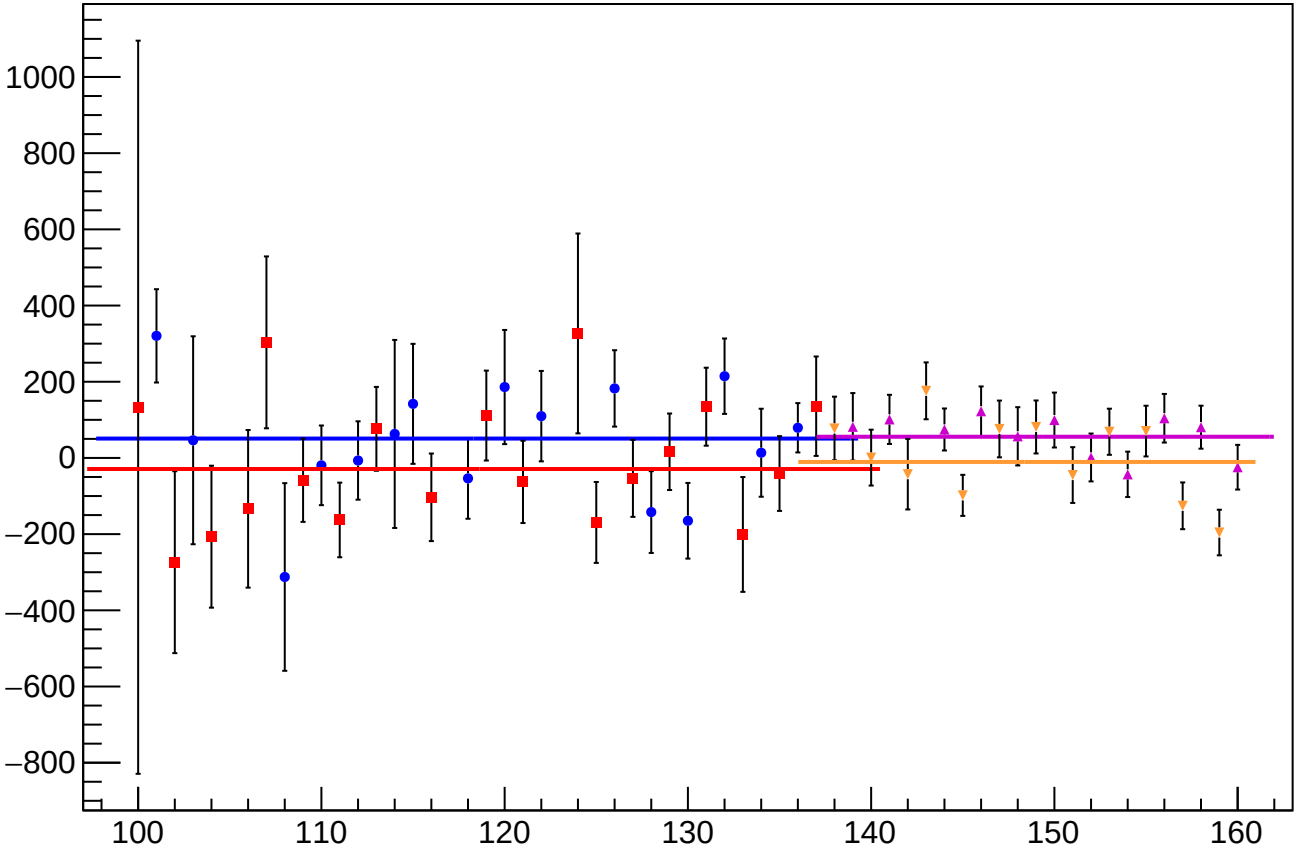
Left In: 277.459+/-0.067 χ^2/NDF:1568533.5/10

+ sign 334.306+/-0.063 χ^2/NDF: 5505072.0/27

All: 329.860+/-0.044 χ^2/NDF: 11100732.2/57

- 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: -10.524+/-19.659 χ^2/NDF:29.8/11

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

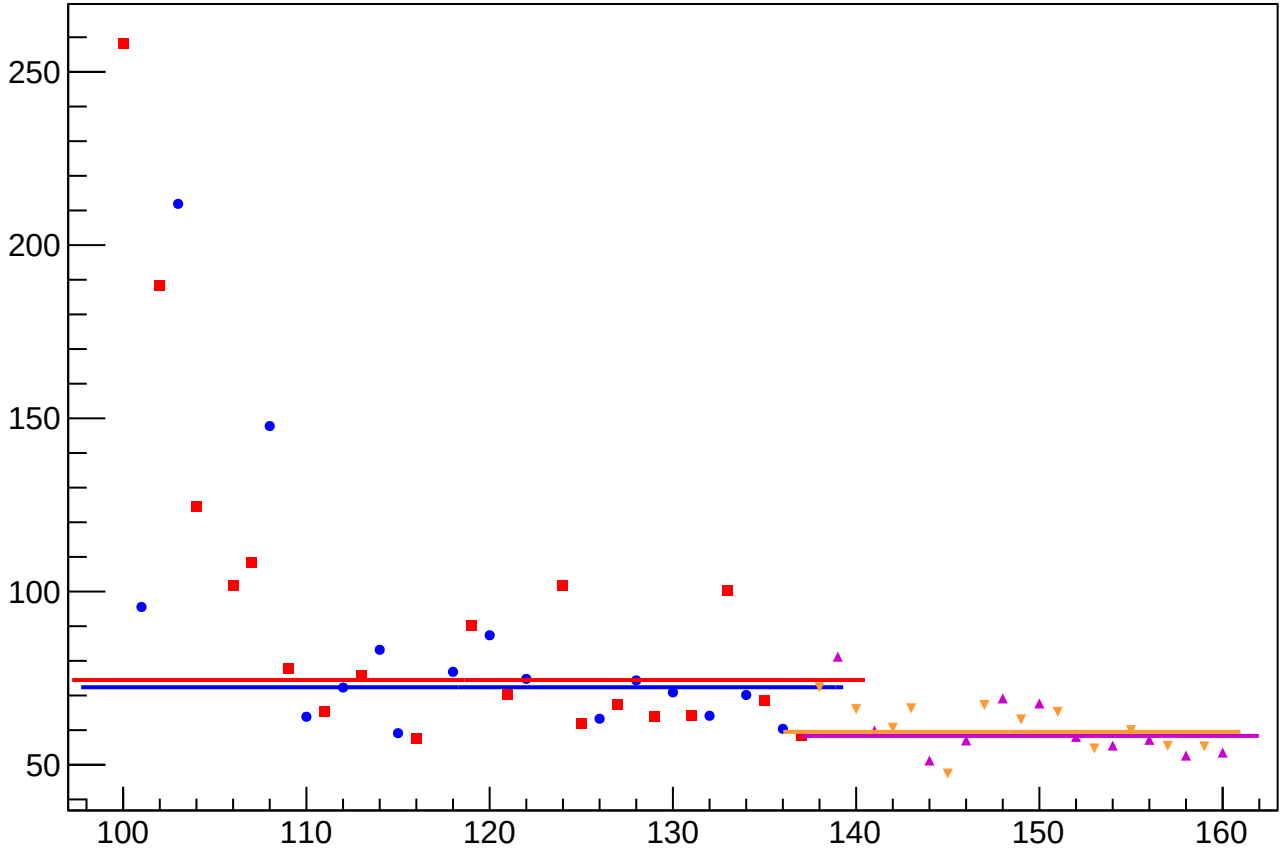
Left In: 55.627+/-19.309 χ^2/NDF:8.3/10

+ sign 9.434+/-16.148 χ^2/NDF: 55.8/27

All: 19.528+/-11.386 χ^2/NDF: 89.3/57

- 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: 59.511+/-0.014 χ^2/NDF:250942.6/11

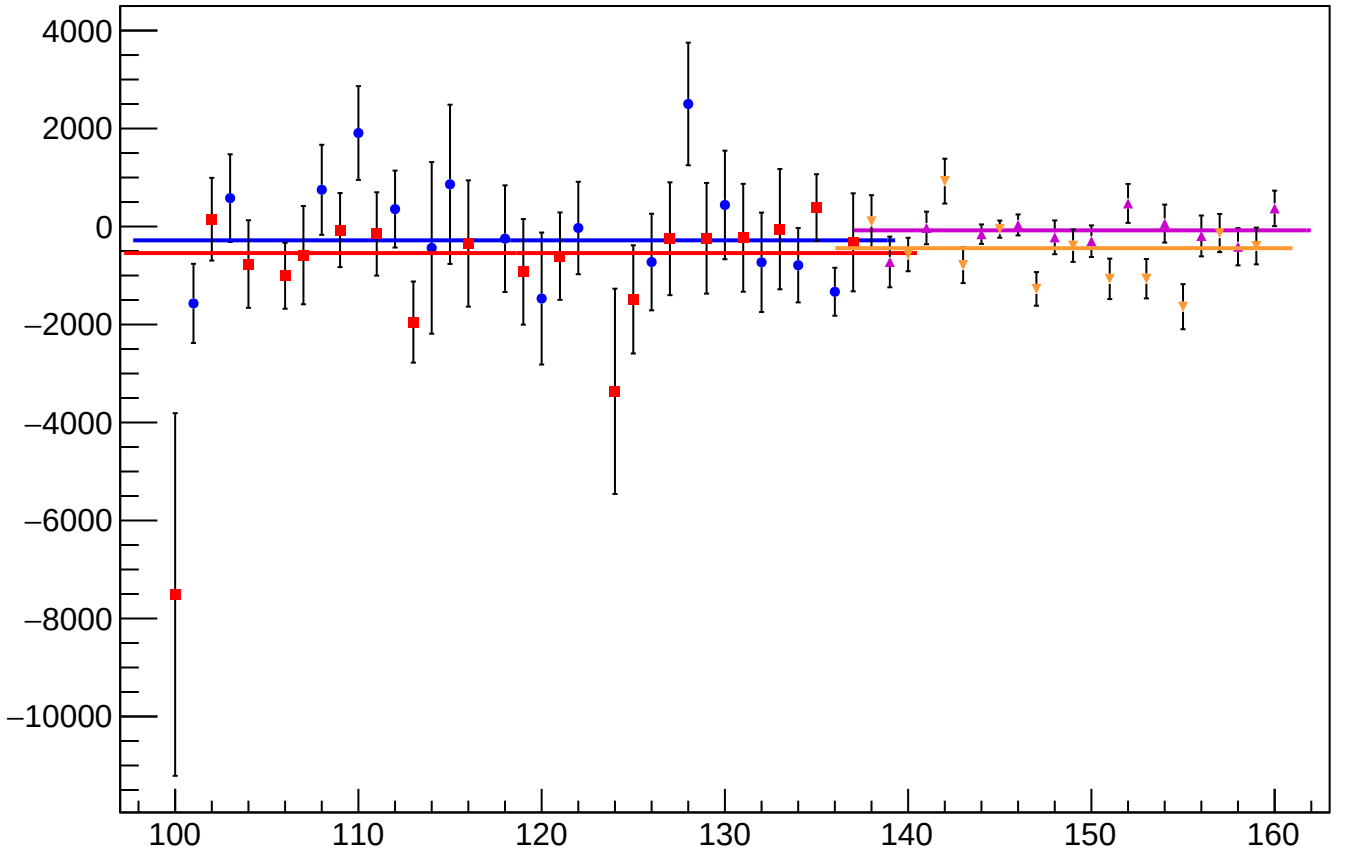
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 58.337+/-0.014 χ^2/NDF:281230.7/10

+ sign 63.695+/-0.011 χ^2/NDF: 1467781.7/27

All: 63.503+/-0.008 χ^2/NDF: 3232198.6/57

- 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: -442.124+/-97.657 χ^2/NDF:33.9/11

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

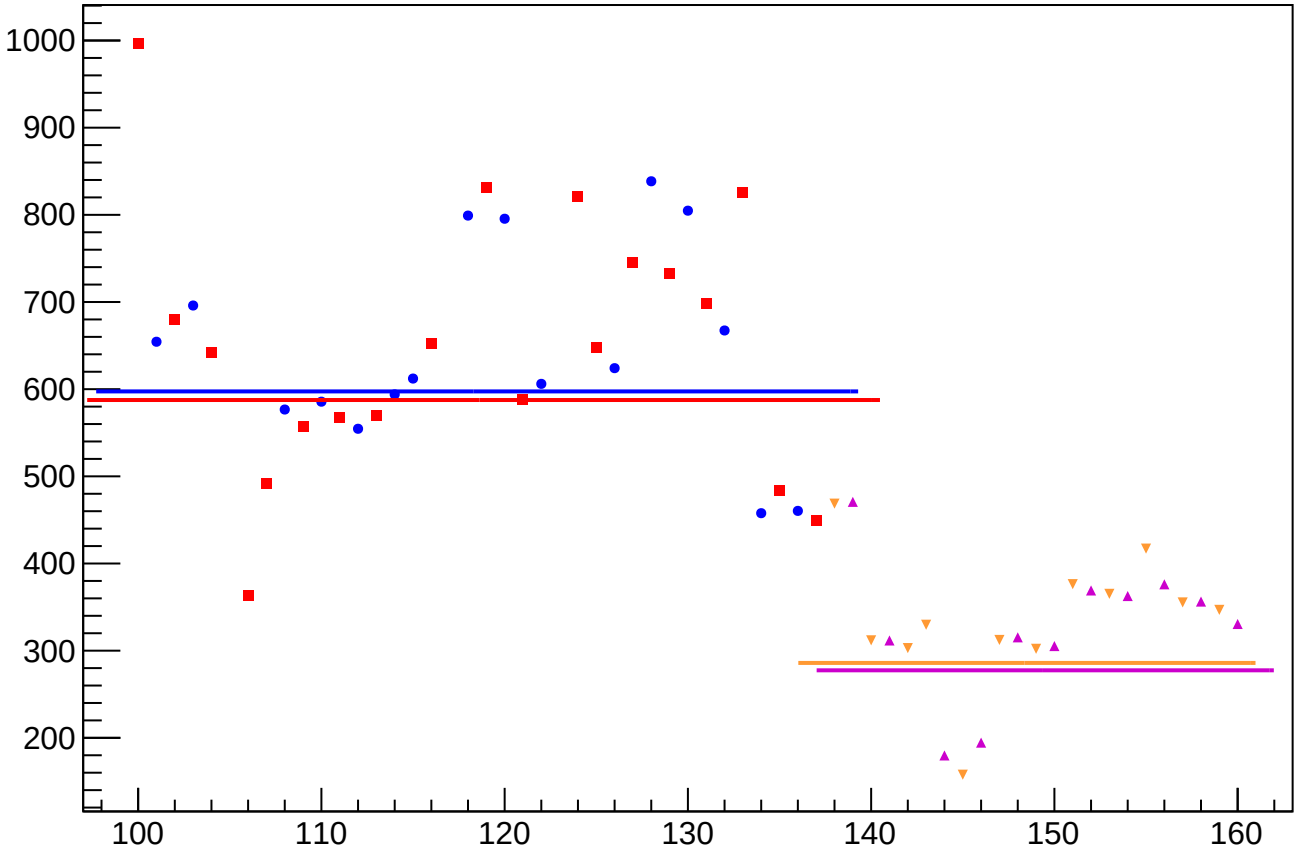
Left In: -78.144+/-94.782 χ^2/NDF:7.1/10

+ sign -417.269+/-89.757 χ^2/NDF: 57.1/27

All: -279.761+/-62.508 χ^2/NDF: 85.7/57

- 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: 285.942+/-0.069 χ^2/NDF:1811979.3/11

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

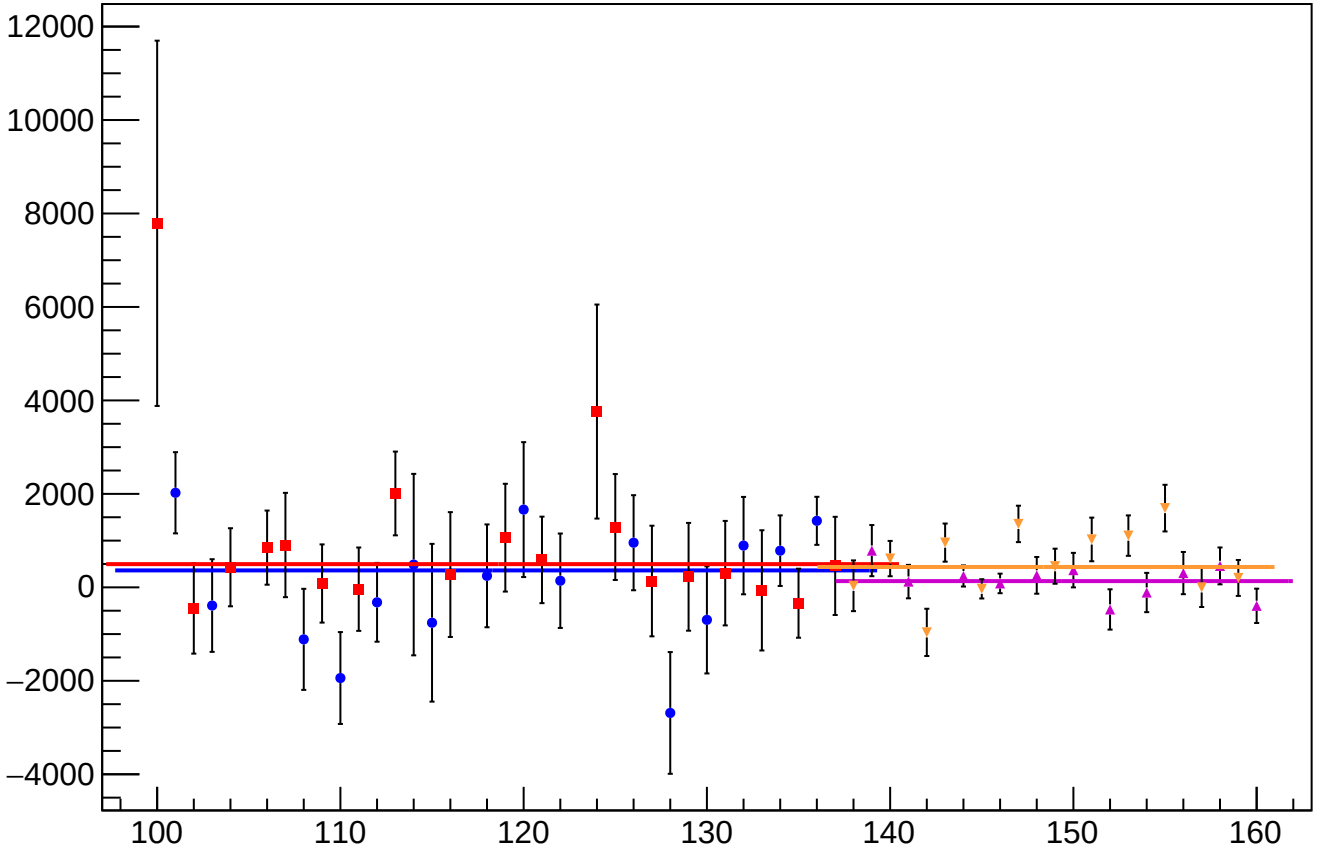
Left In: 277.459+/-0.067 χ^2/NDF:1568526.5/10

+ sign 334.306+/-0.063 χ^2/NDF: 5505068.3/27

All: 329.859+/-0.044 χ^2/NDF: 11100723.9/57

- 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: 435.812+/-109.145 χ^2/NDF:32.6/11

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

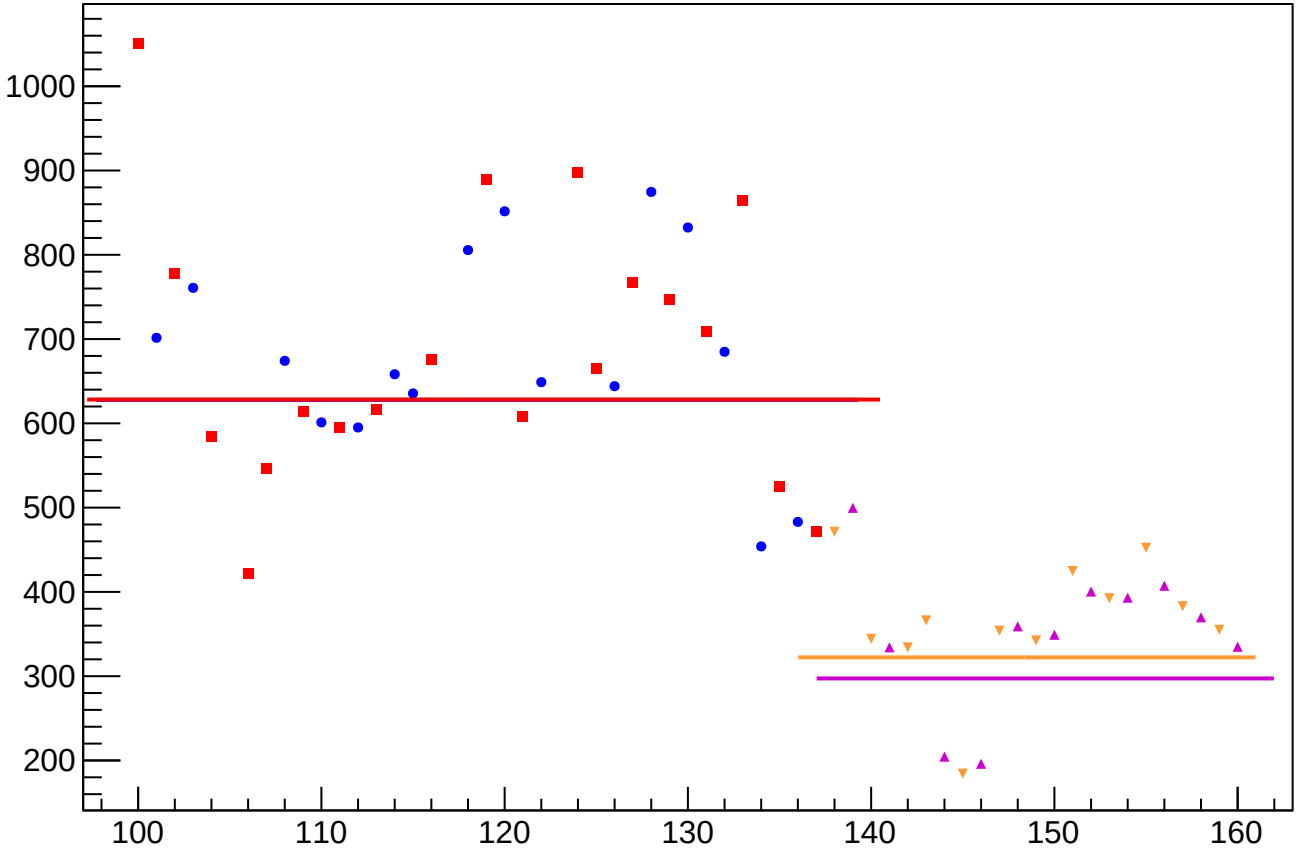
Left In: 133.577+/-101.463 χ^2/NDF:7.4/10

+ sign 423.254+/-99.375 χ^2/NDF: 57.8/27

All: 299.283+/-67.986 χ^2/NDF: 82.8/57

- 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: 322.327+/-0.077 χ^2/NDF:1439138.8/11

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

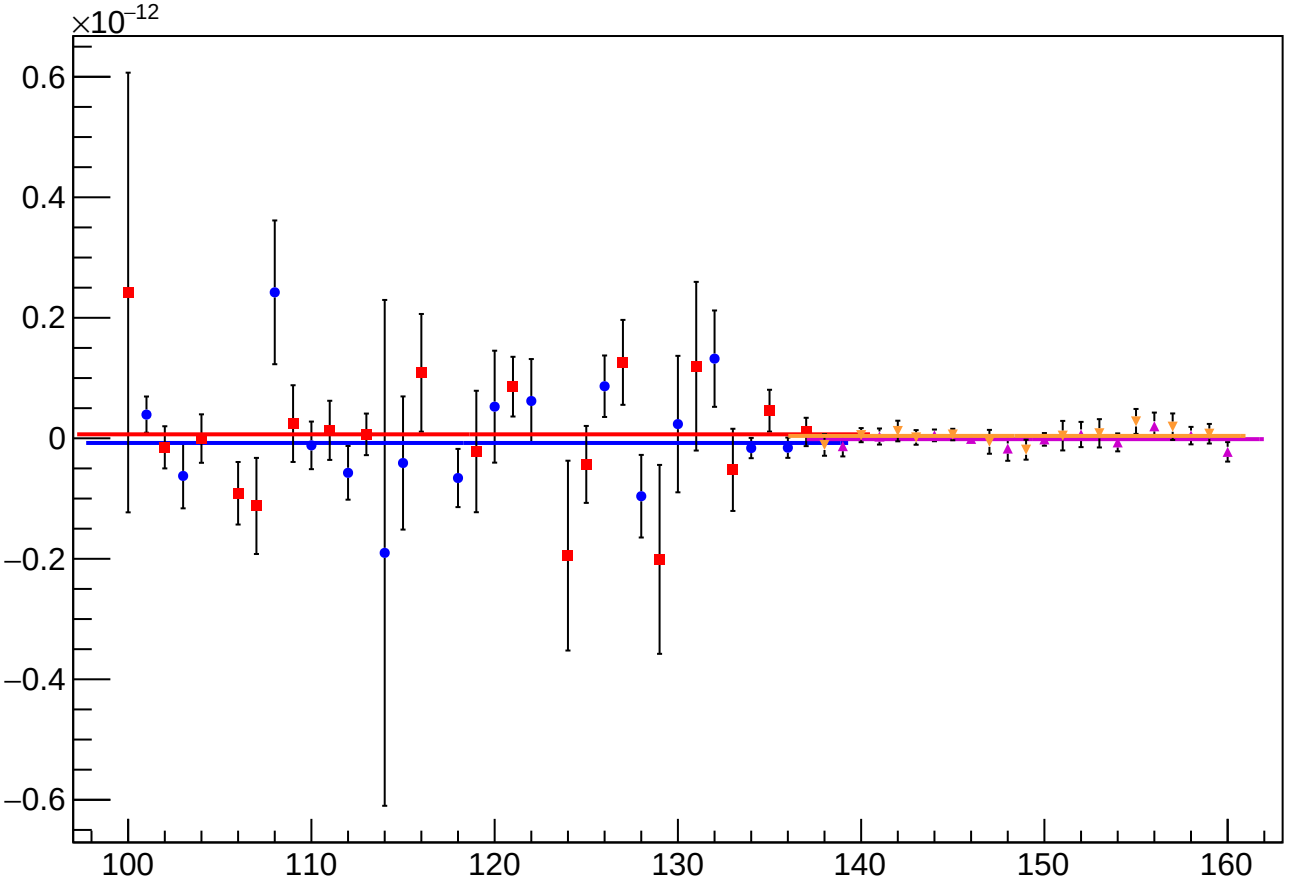
Left In: 297.327+/-0.072 χ^2/NDF:1614157.0/10

+ sign 374.584+/-0.070 χ^2/NDF: 4686804.9/27

All: 360.944+/-0.048 χ^2/NDF: 10261040.8/57

- 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:5.1/11

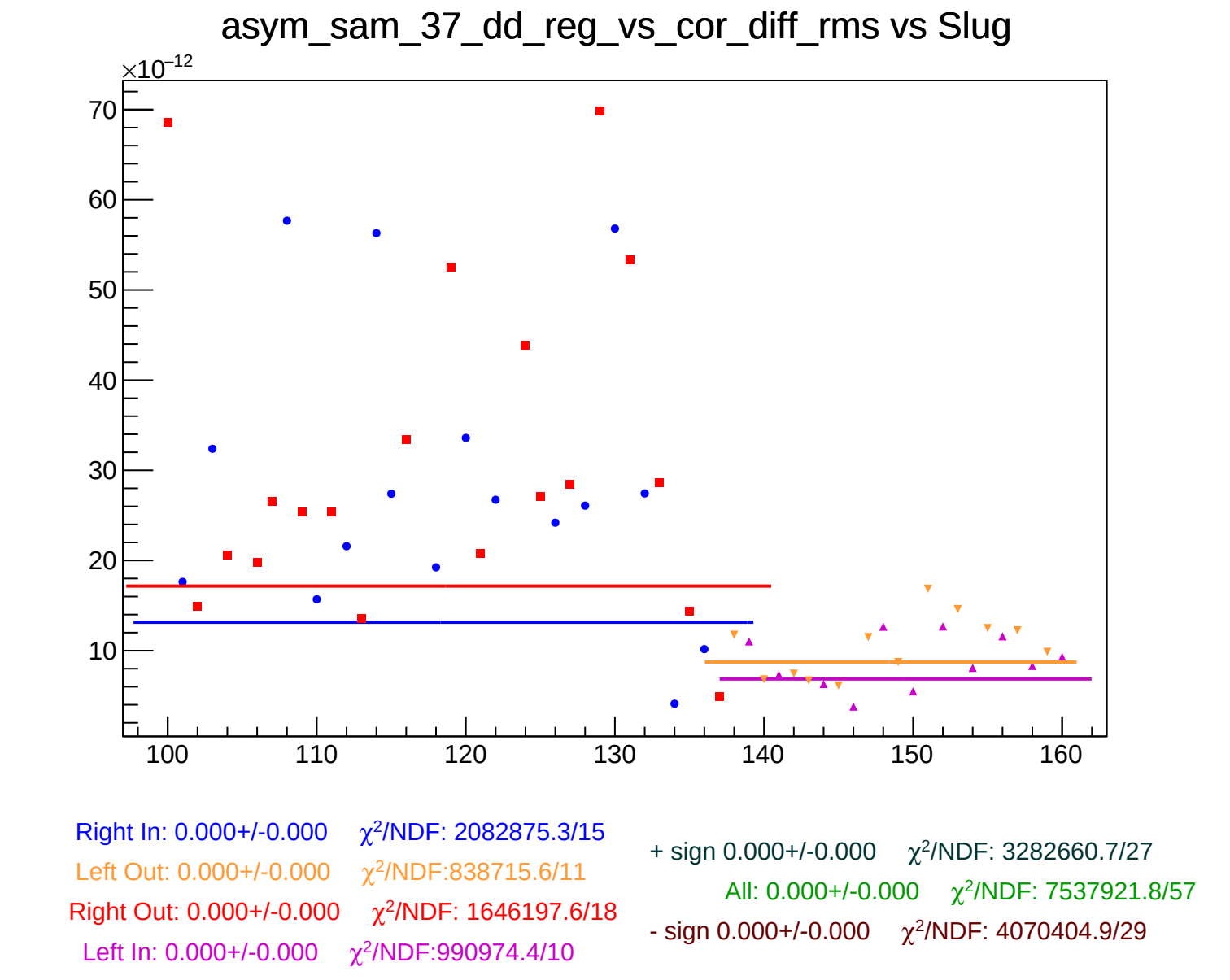
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.6/10

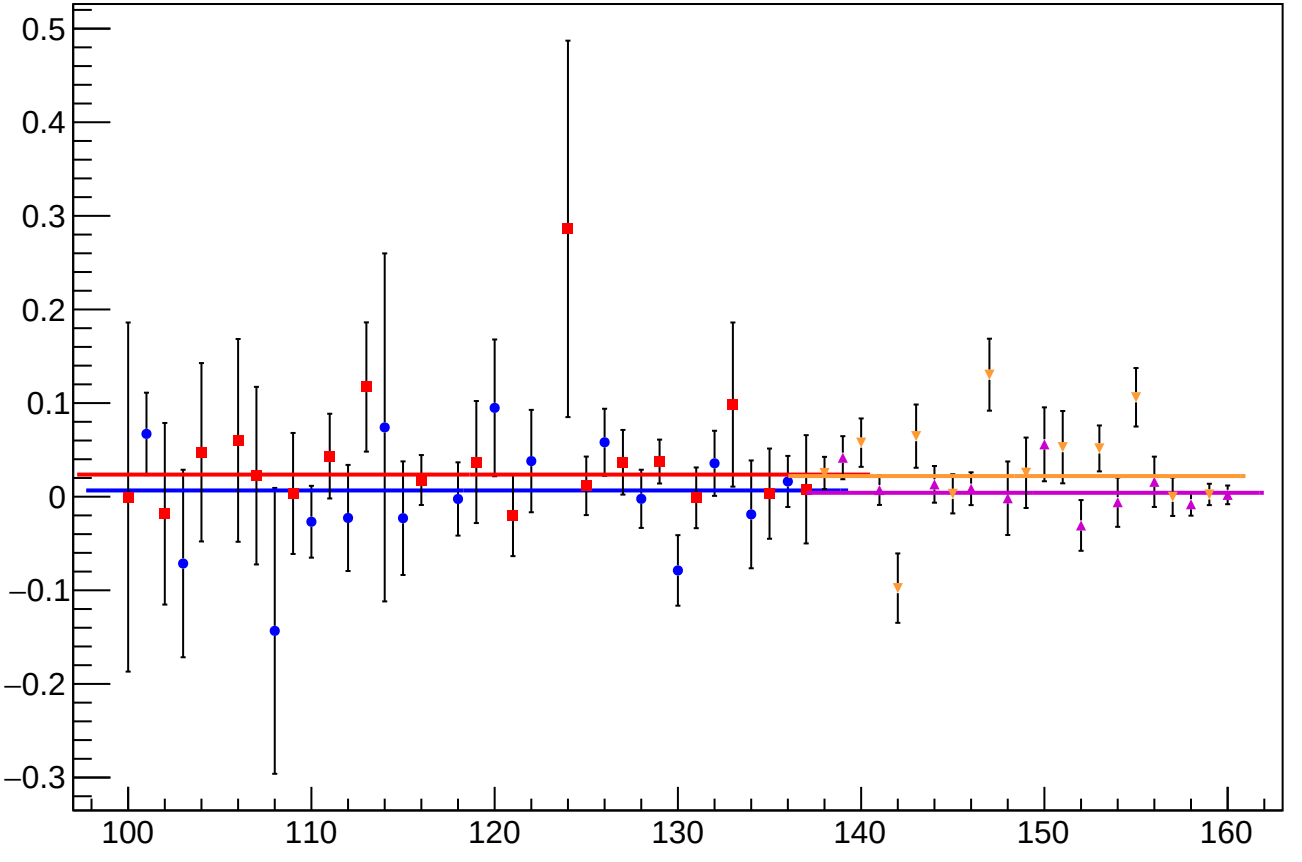
+ sign 0.000+/-0.000 χ^2/NDF: 27.3/27

All: 0.000+/-0.000 χ^2/NDF: 52.5/57

- 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:838715.6/11
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: 3282660.7/27
All: 0.000+/-0.000 χ²/NDF: 7537921.8/57
- 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: 0.022+/-0.007 χ^2/NDF:36.2/11

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

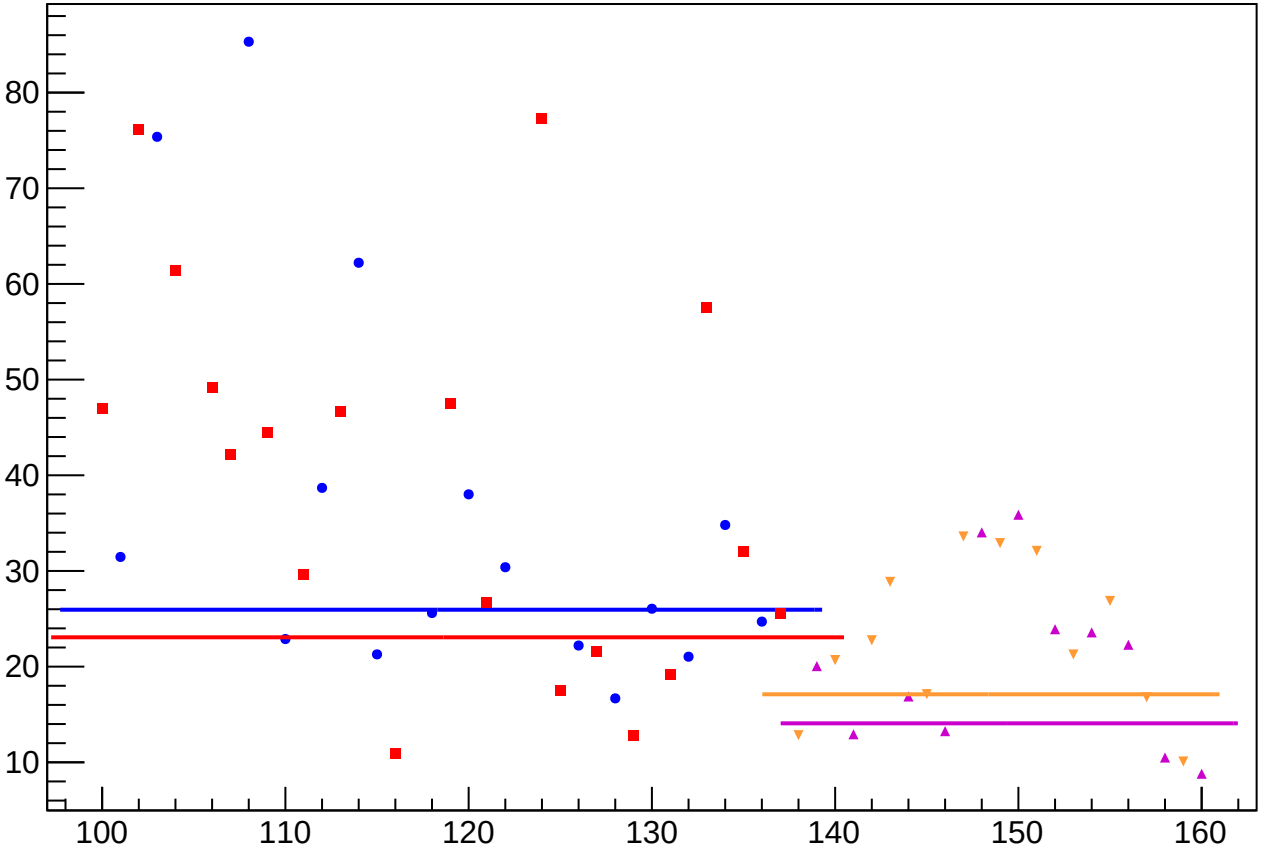
Left In: 0.004+/-0.005 χ^2/NDF:7.7/10

+ sign 0.018+/-0.006 χ^2/NDF: 52.6/27

All: 0.012+/-0.004 χ^2/NDF: 72.4/57

- 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: 17.108+/-0.005 χ^2/NDF:2483212.6/11

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

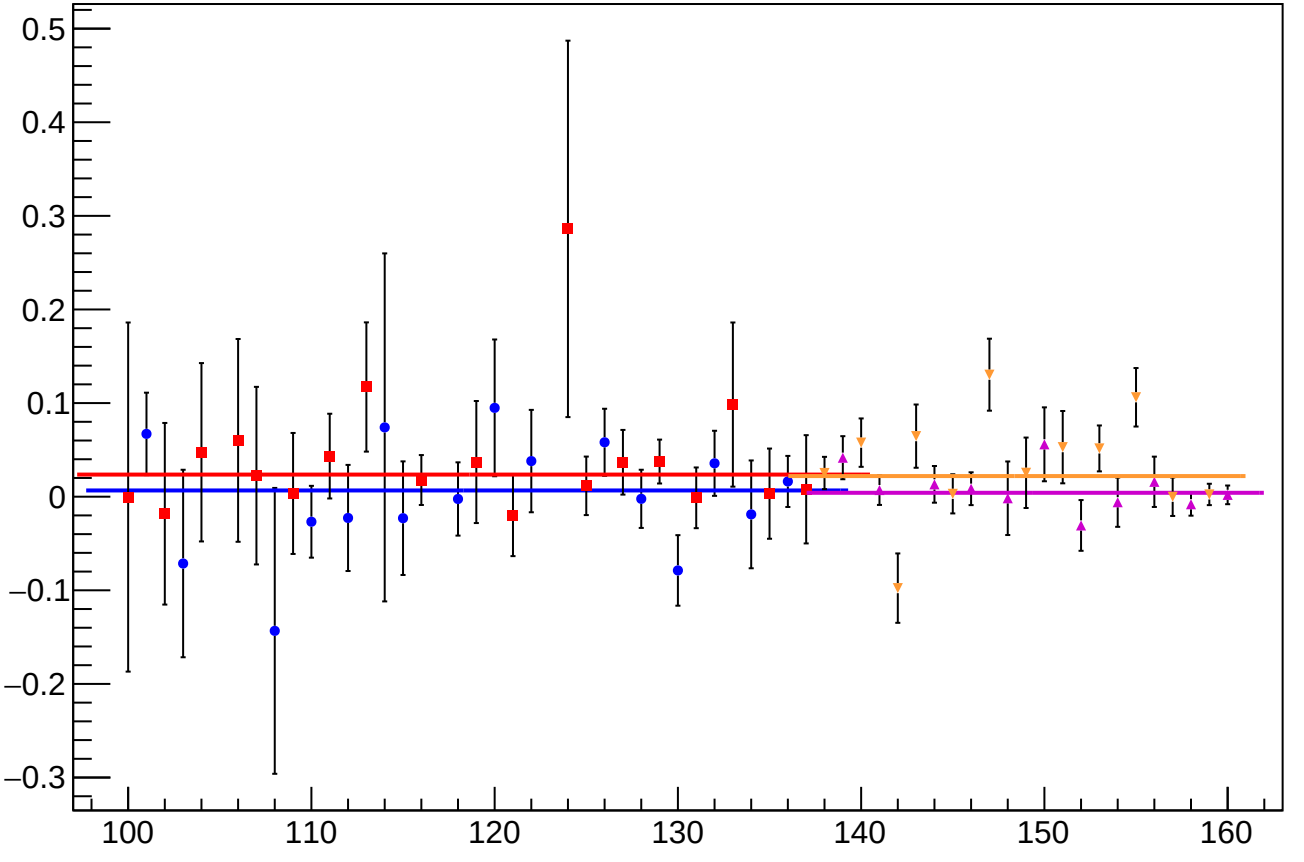
Left In: 14.074+/-0.004 χ^2/NDF:2756762.7/10

+ sign 19.375+/-0.004 χ^2/NDF: 4808371.9/27

All: 17.414+/-0.003 χ^2/NDF: 12505700.4/57

- sign 15.970+/-0.003 χ^2/NDF: 7274535.3/29

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.022+/-0.007 χ^2/NDF:36.2/11

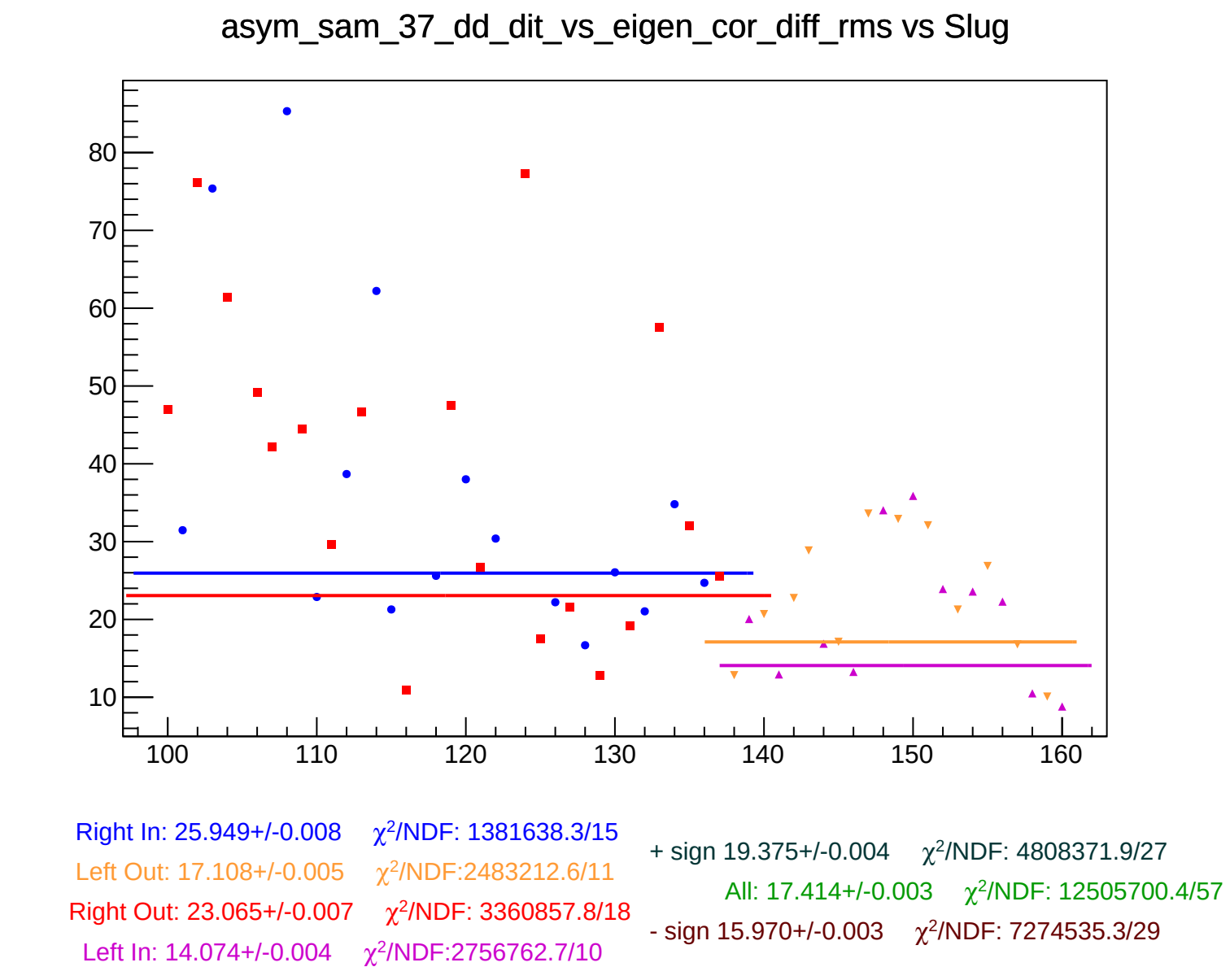
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

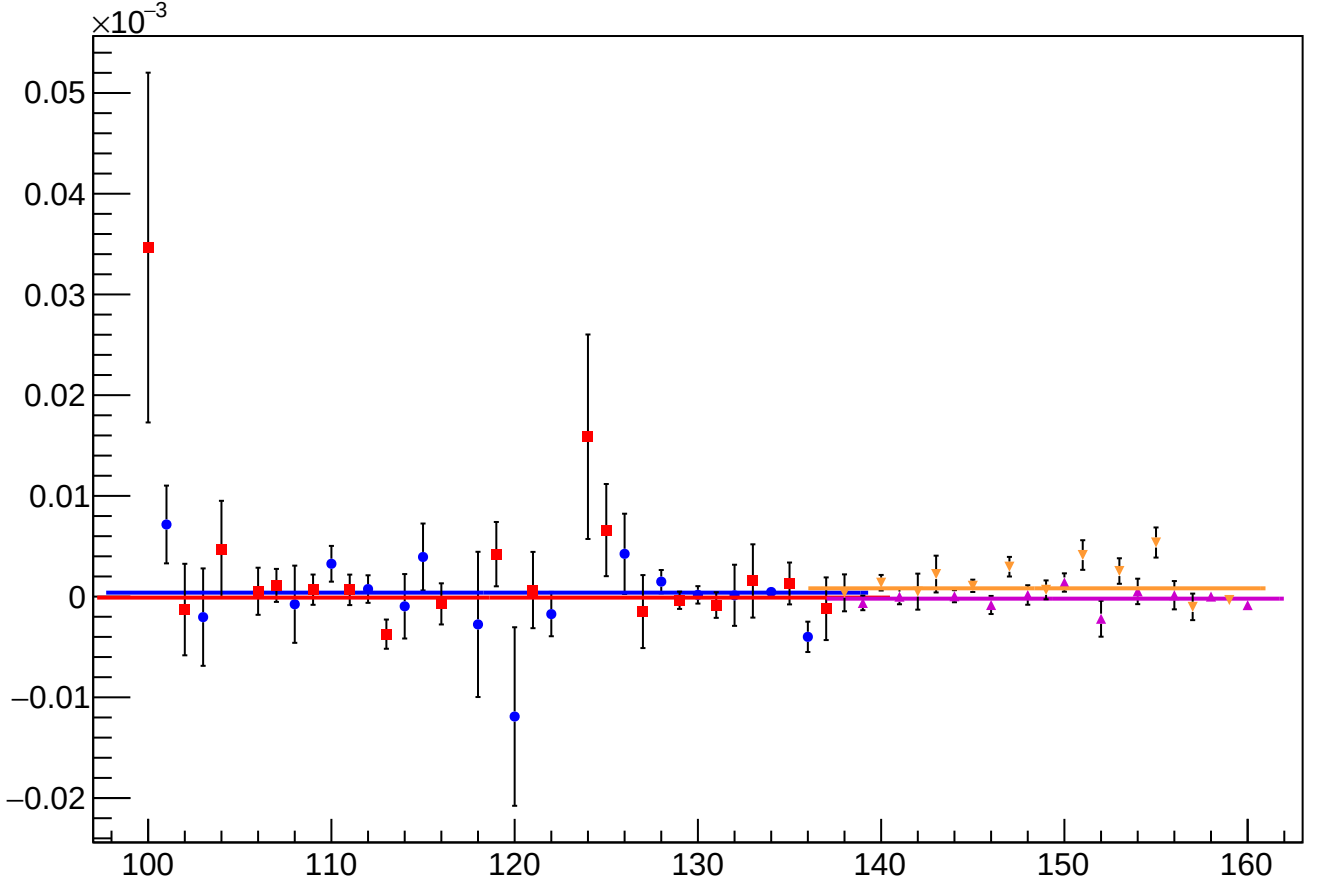
Left In: 0.004+/-0.005 χ^2/NDF:7.7/10

+ sign 0.018+/-0.006 χ^2/NDF: 52.6/27

All: 0.012+/-0.004 χ^2/NDF: 72.4/57

- sign 0.008+/-0.005 χ^2/NDF: 18.0/29


asym_sam_37_dd_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: 25.949+/-0.008 χ²/NDF: 1381638.3/15
Left Out: 17.108+/-0.005 χ²/NDF:2483212.6/11
Right Out: 23.065+/-0.007 χ²/NDF: 3360857.8/18
Left In: 14.074+/-0.004 χ²/NDF:2756762.7/10
+ sign 19.375+/-0.004 χ²/NDF: 4808371.9/27
All: 17.414+/-0.003 χ²/NDF: 12505700.4/57
- sign 15.970+/-0.003 χ²/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:33.0/11

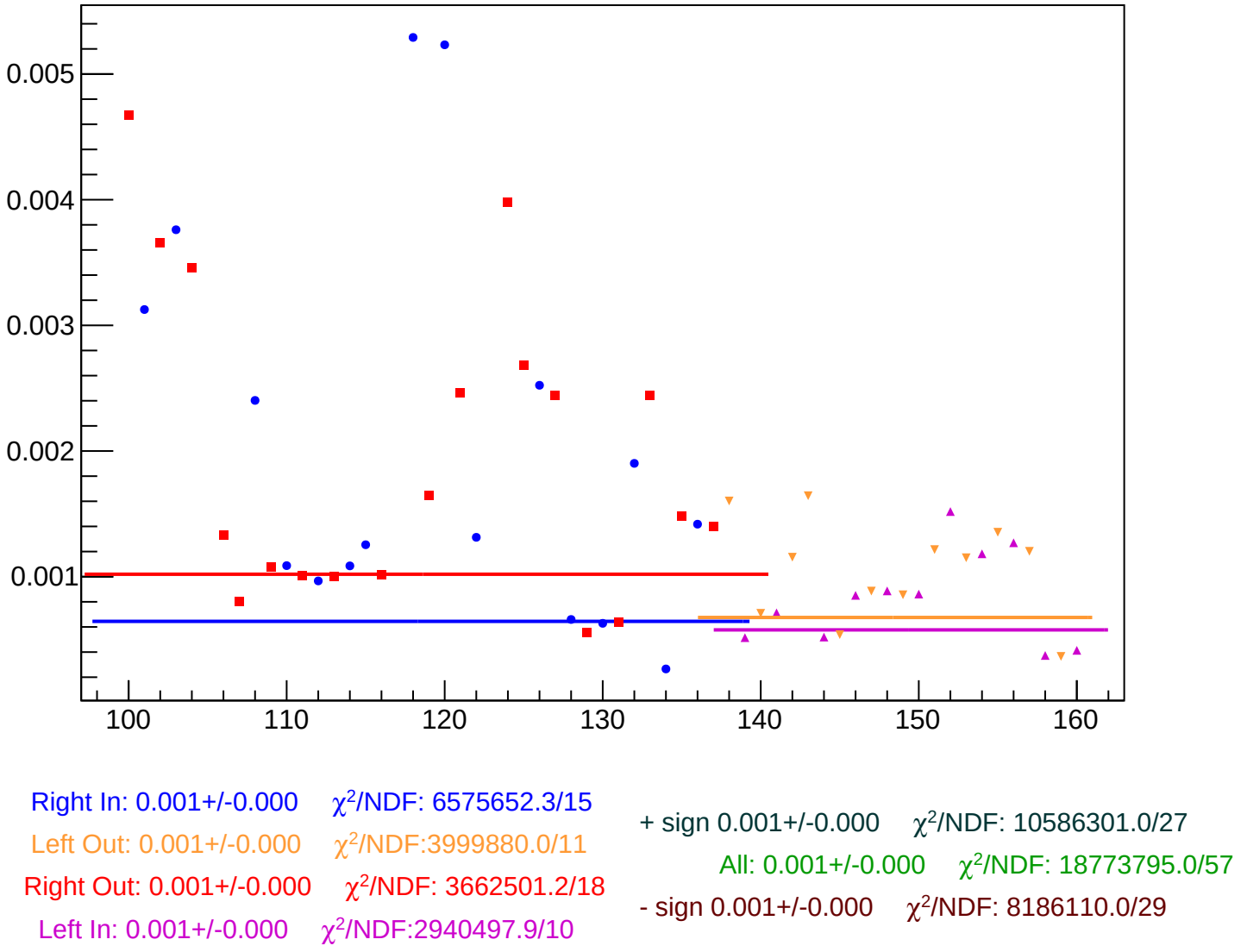
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/10

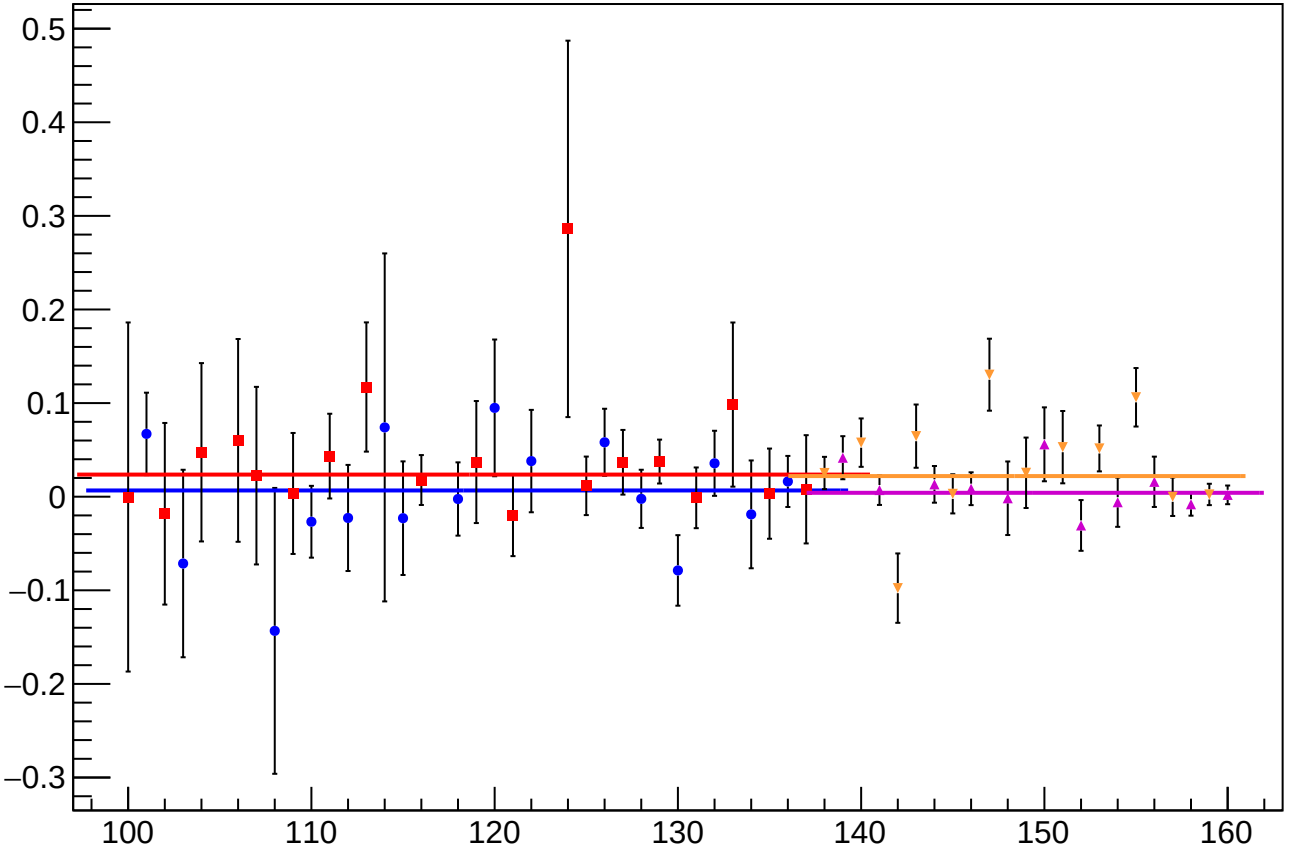
+ sign 0.000+/-0.000 χ^2/NDF: 54.9/27

All: 0.000+/-0.000 χ^2/NDF: 93.0/57

- 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:3999880.0/11
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: 10586301.0/27
All: 0.001+/-0.000 χ²/NDF: 18773795.0/57
- sign 0.001+/-0.000 χ²/NDF: 8186110.0/29

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.022+/-0.007 χ^2/NDF:36.2/11

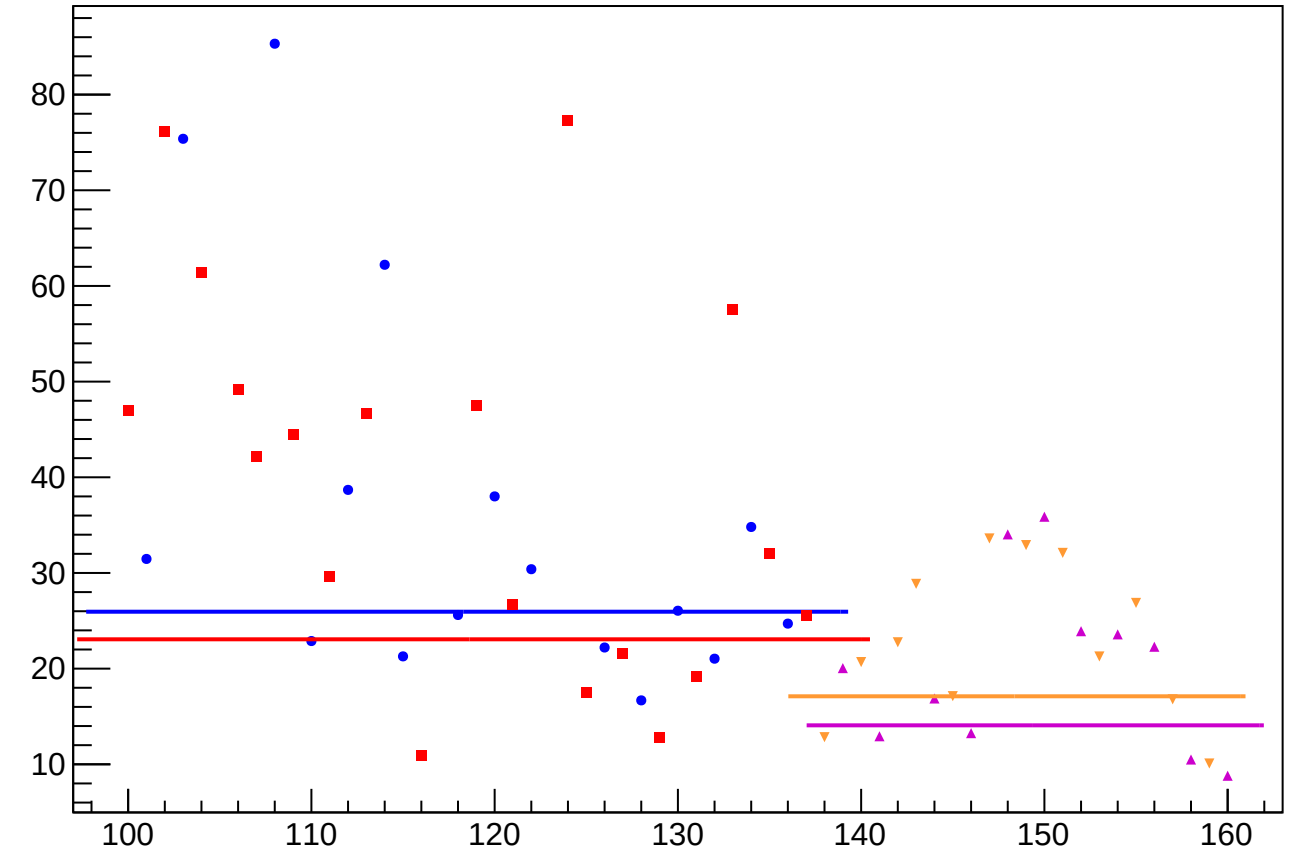
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.005 χ^2/NDF:7.7/10

+ sign 0.018+/-0.006 χ^2/NDF: 52.6/27

All: 0.012+/-0.004 χ^2/NDF: 72.4/57

- 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: 17.109+/-0.005 χ^2/NDF:2483363.0/11

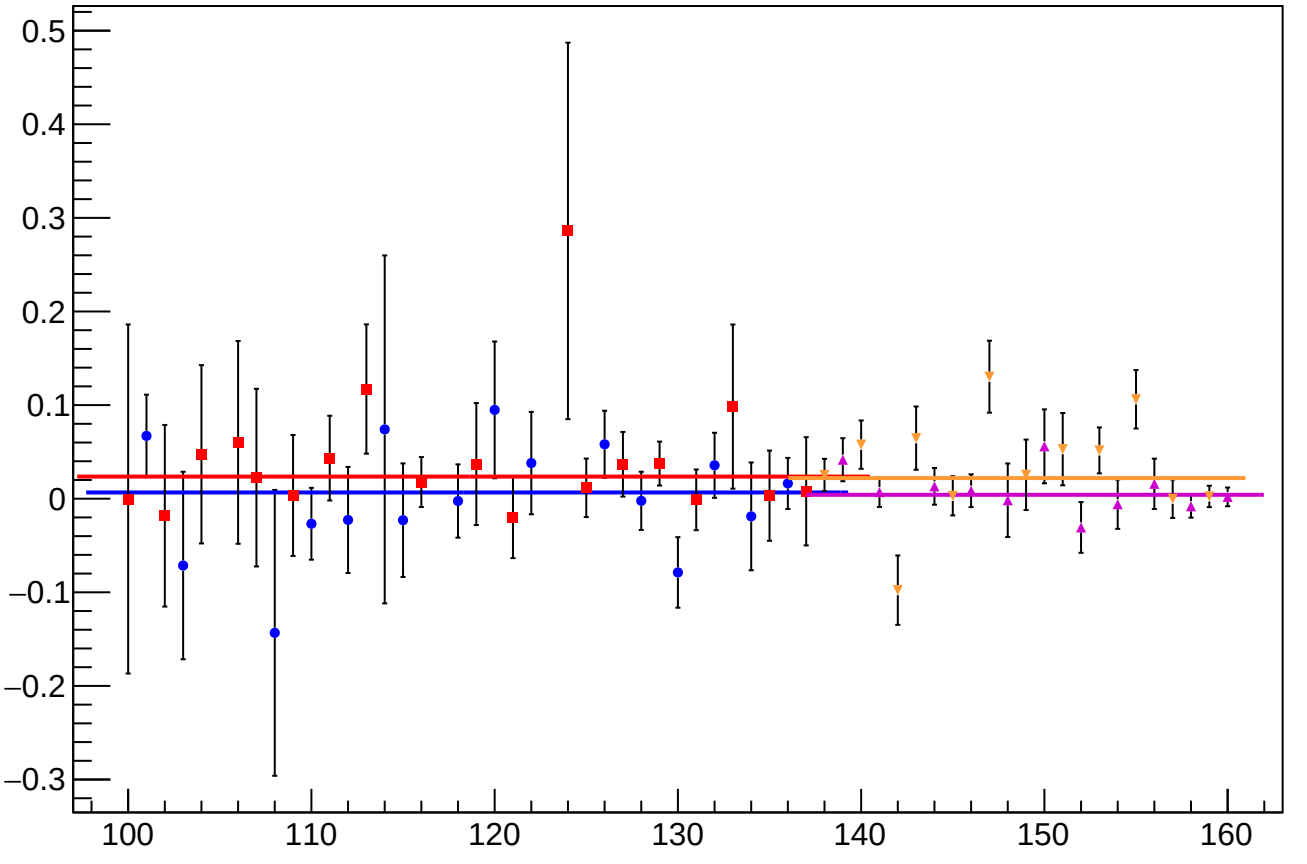
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.074+/-0.004 χ^2/NDF:2756925.2/10

+ sign 19.375+/-0.004 χ^2/NDF: 4808456.1/27

All: 17.414+/-0.003 χ^2/NDF: 12505916.0/57

- sign 15.970+/-0.003 χ^2/NDF: 7274615.3/29



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.022+/-0.007 χ^2/NDF:36.2/11

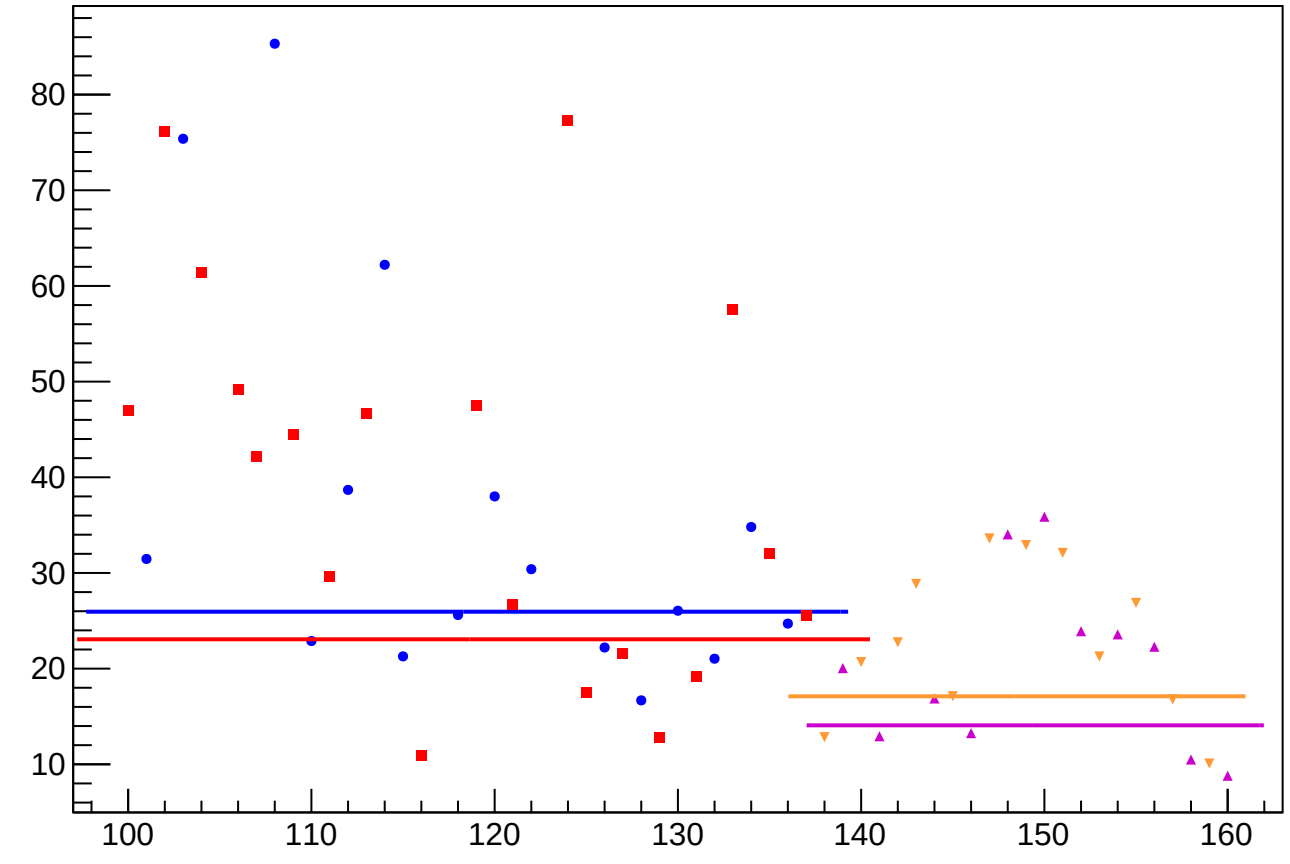
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.005 χ^2/NDF:7.7/10

+ sign 0.018+/-0.006 χ^2/NDF: 52.6/27

All: 0.012+/-0.004 χ^2/NDF: 72.4/57

- 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: 17.109+/-0.005 χ^2/NDF:2483363.0/11

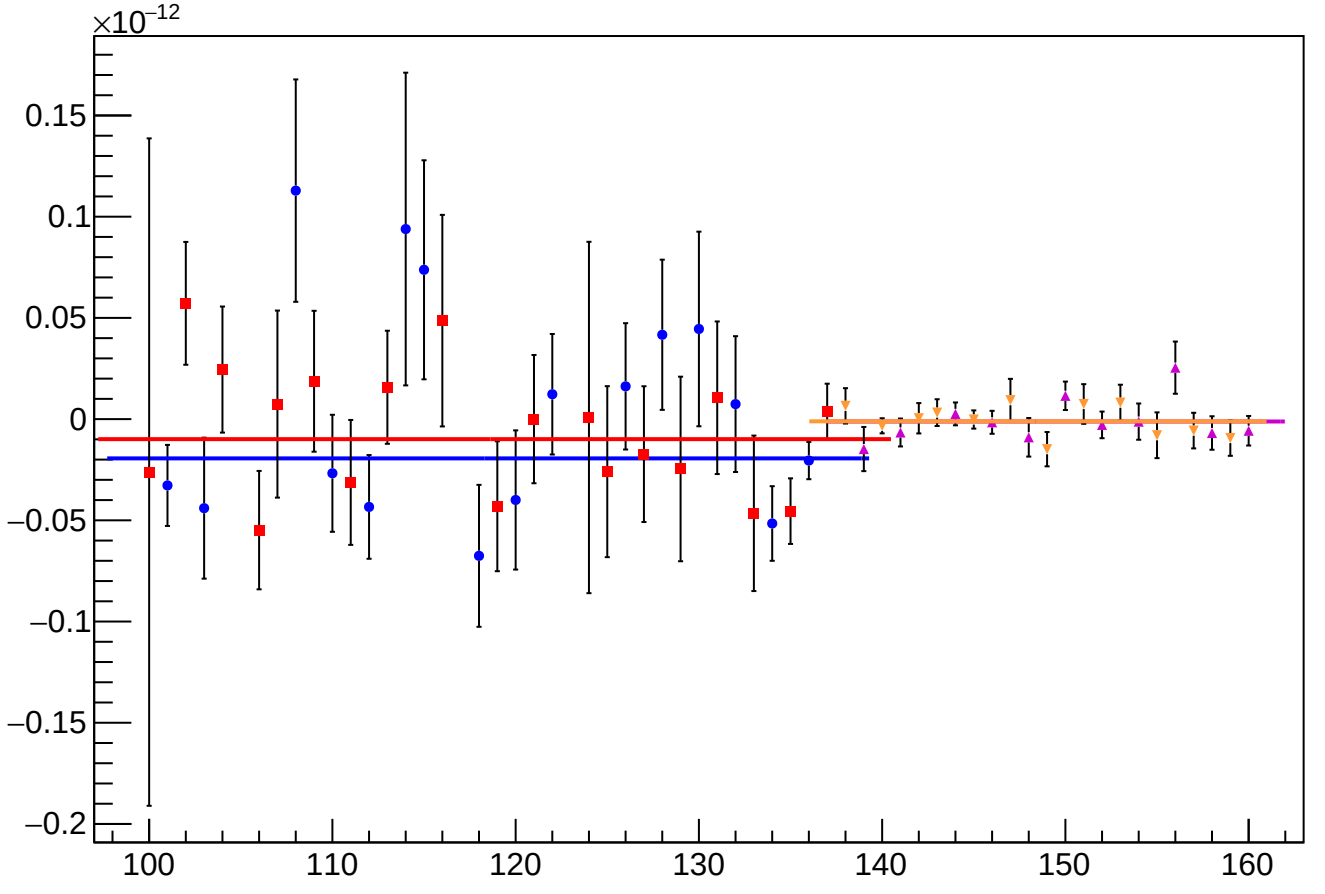
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.074+/-0.004 χ^2/NDF:2756925.2/10

+ sign 19.375+/-0.004 χ^2/NDF: 4808456.1/27

All: 17.414+/-0.003 χ^2/NDF: 12505916.0/57

- 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:8.6/11

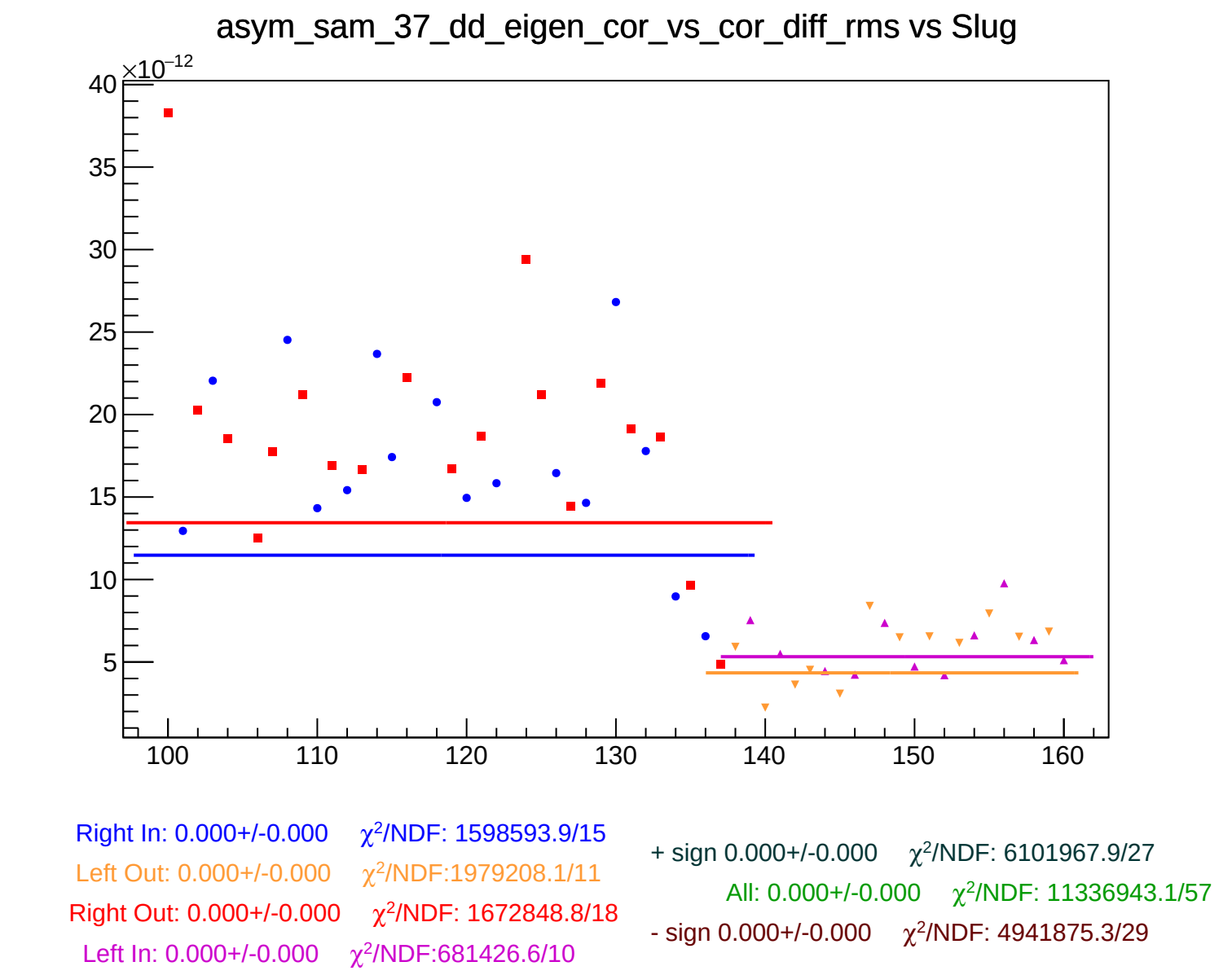
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 42.6/27

All: -0.000+/-0.000 χ^2/NDF: 76.2/57

- sign -0.000+/-0.000 χ^2/NDF: 33.6/29


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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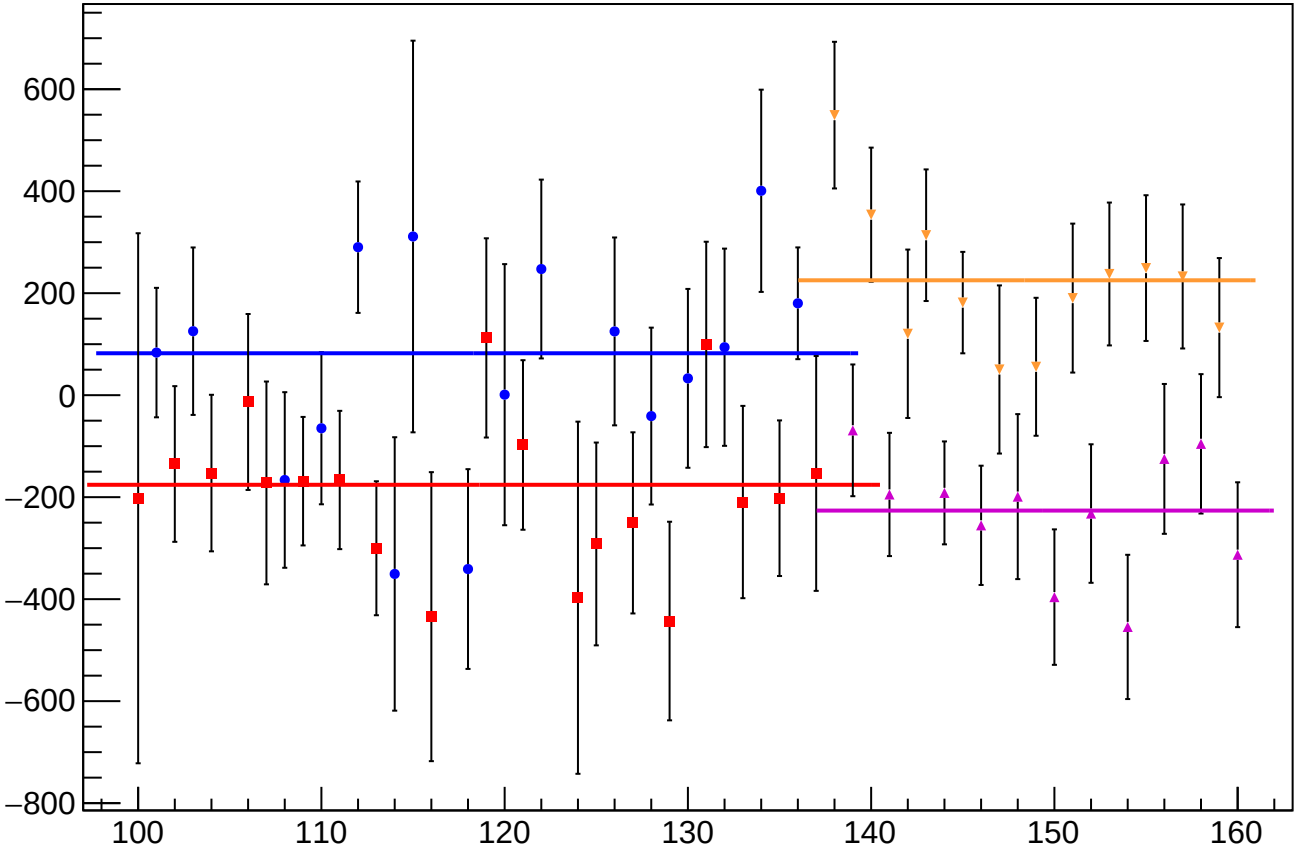
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1979208.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:681426.6/10
+ sign 0.000+/-0.000 χ²/NDF: 6101967.9/27
All: 0.000+/-0.000 χ²/NDF: 11336943.1/57
- sign 0.000+/-0.000 χ²/NDF: 4941875.3/29

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 225.280+/-39.339 χ^2/NDF:10.4/11

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

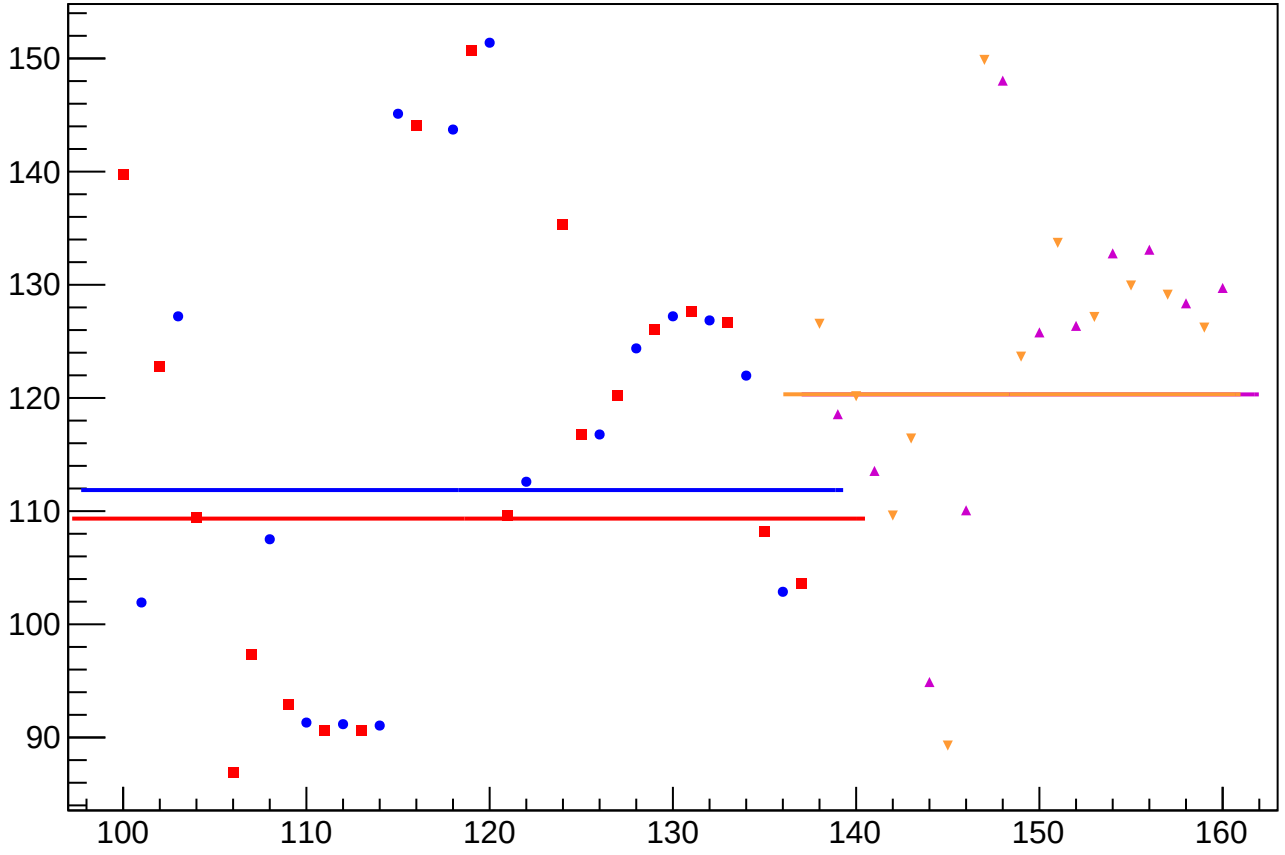
Left In: -226.286+/-39.277 χ^2/NDF:7.8/10

+ sign 158.639+/-28.754 χ^2/NDF: 34.9/27

All: -24.791+/-20.153 χ^2/NDF: 133.3/57

- 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: 120.324+/-0.028 χ^2/NDF:316322.0/11

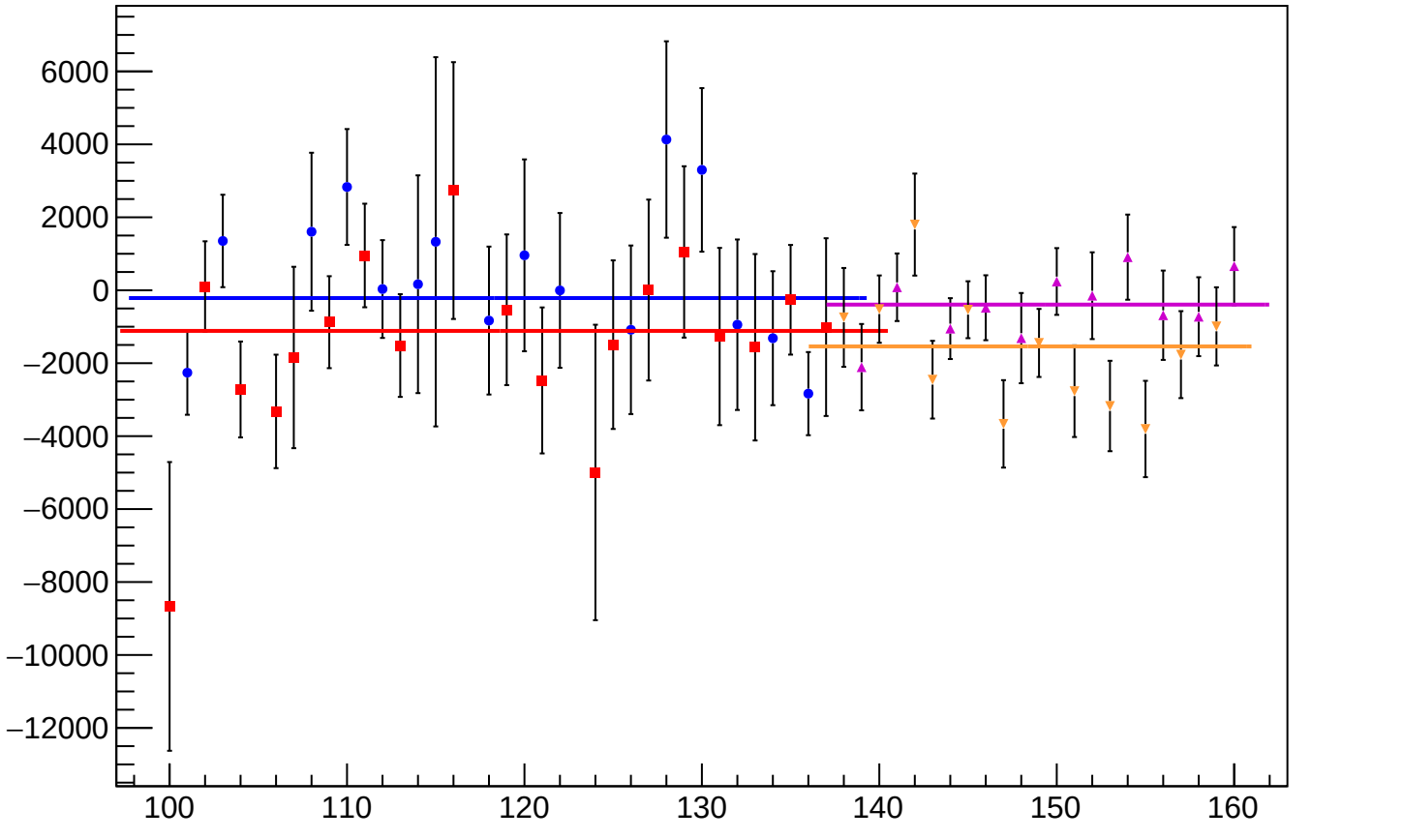
Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 120.314+/-0.028 χ^2/NDF:261322.6/10

+ sign 116.383+/-0.020 χ^2/NDF: 665444.4/27

All: 115.689+/-0.014 χ^2/NDF: 1371619.1/57

- sign 115.019+/-0.020 χ^2/NDF: 703885.2/29



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1539.739+/-315.766 χ^2/NDF:18.8/11

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

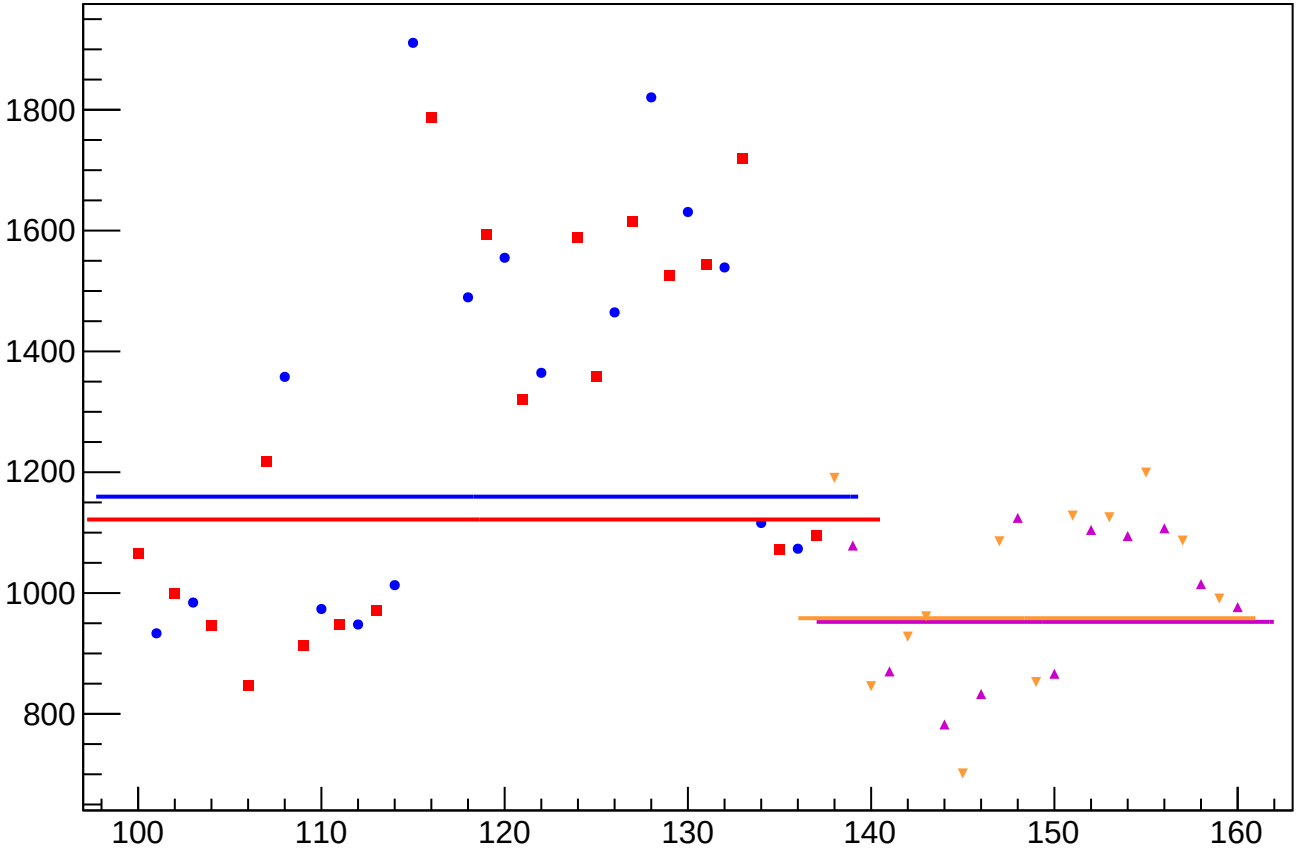
Left In: -393.627+/-312.200 χ^2/NDF:6.4/10

\+ sign -1094.444+/-257.319 χ^2/NDF: 45.1/27

All: -865.787+/-179.750 χ^2/NDF: 69.5/57

\- 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: 958.353+/-0.223 χ^2/NDF:519144.7/11

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

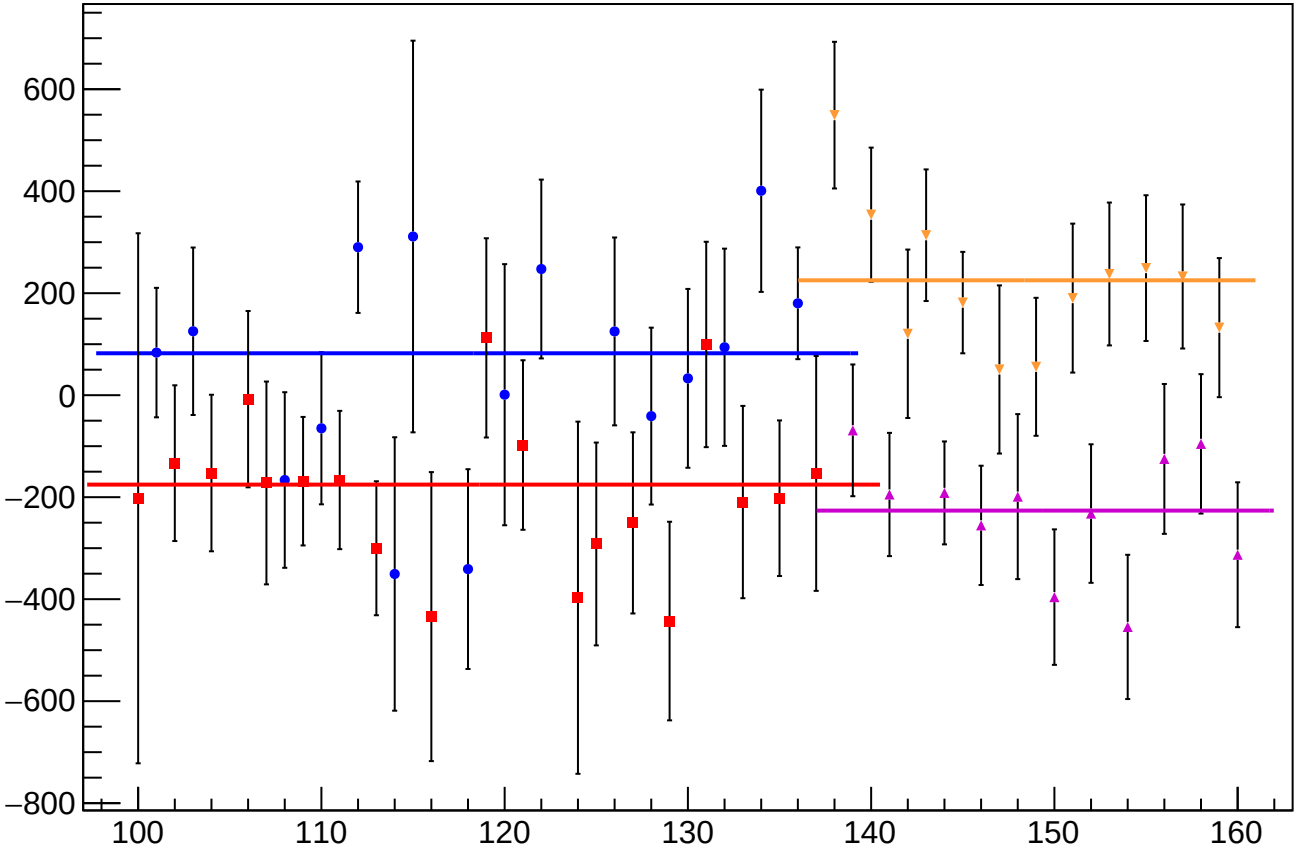
Left In: 952.336+/-0.221 χ^2/NDF:315794.9/10

+ sign 1025.947+/-0.182 χ^2/NDF: 1475652.5/27

All: 1018.842+/-0.127 χ^2/NDF: 2784358.0/57

- sign 1012.071+/-0.178 χ^2/NDF: 1305727.8/29

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 225.281+/-39.339 χ^2/NDF:10.4/11

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

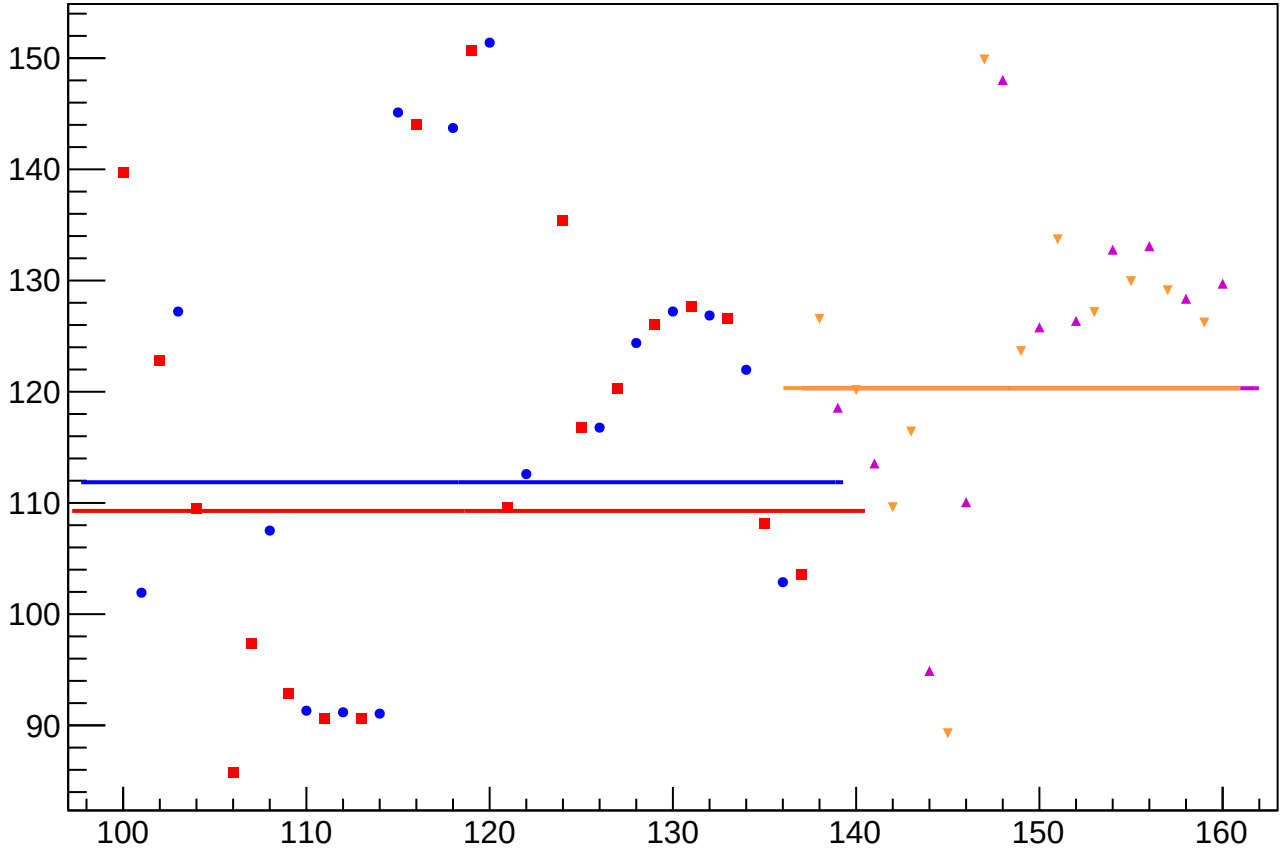
Left In: -226.290+/-39.277 χ^2/NDF:7.8/10

+ sign 158.634+/-28.754 χ^2/NDF: 34.9/27

All: -24.688+/-20.153 χ^2/NDF: 133.3/57

- 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: 120.324+/-0.028 χ^2/NDF:316322.0/11

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

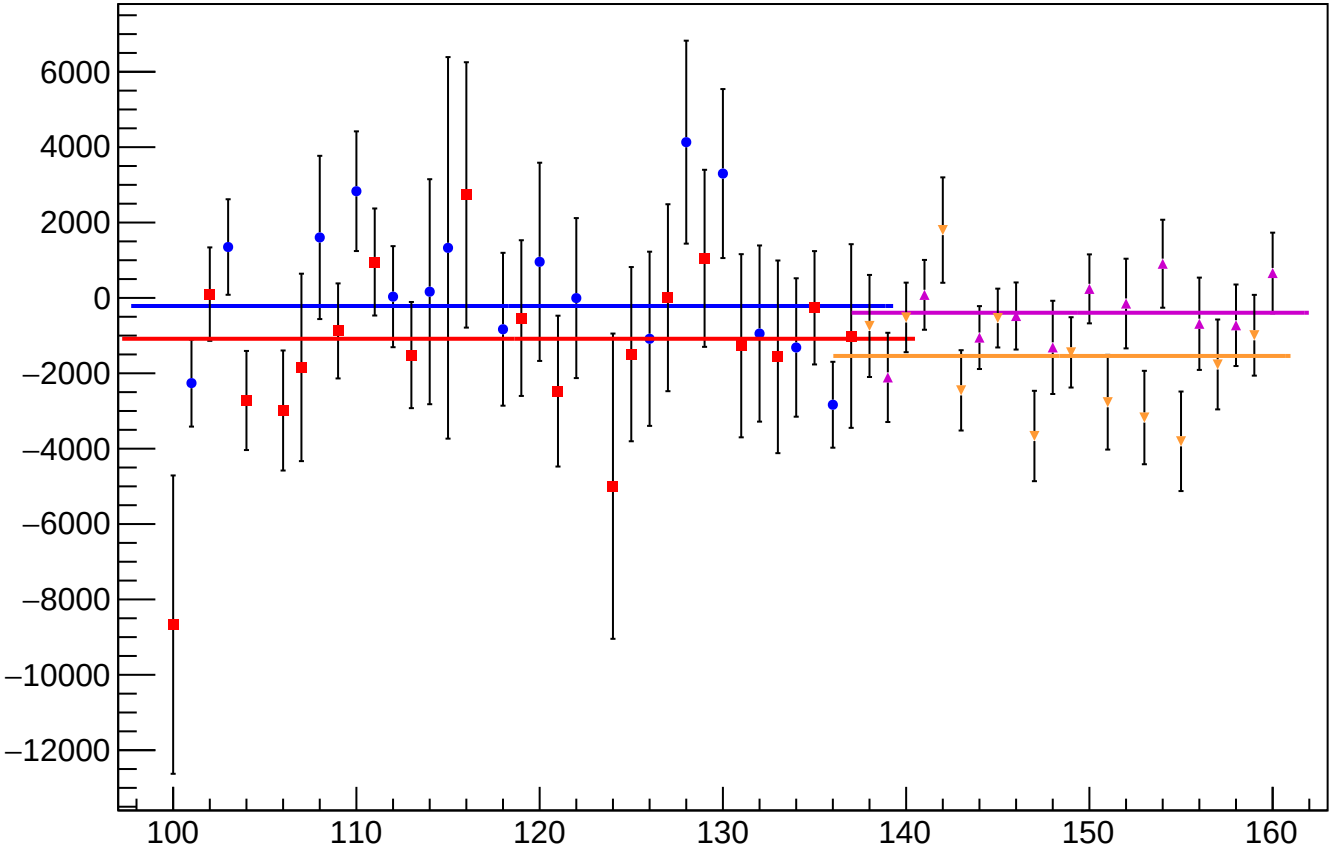
Left In: 120.314+/-0.028 χ^2/NDF:261322.6/10

+ sign 116.383+/-0.020 χ^2/NDF: 665445.3/27

All: 115.676+/-0.014 χ^2/NDF: 1375962.7/57

- sign 114.993+/-0.020 χ^2/NDF: 708138.8/29

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1539.738+/-315.766 χ^2/NDF:18.8/11

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

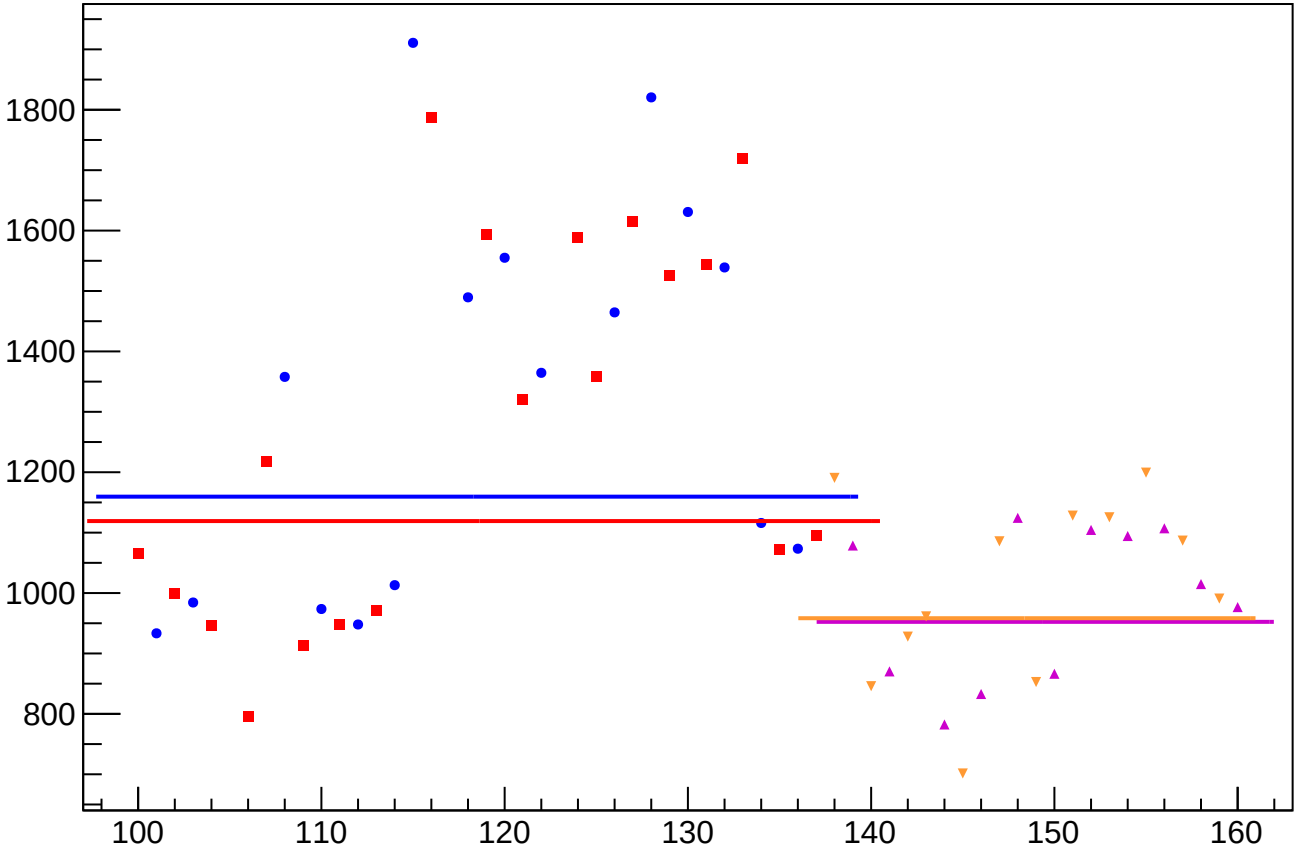
Left In: -393.634+/-312.200 χ^2/NDF:6.4/10

+ sign -1094.478+/-257.319 χ^2/NDF: 45.1/27

All: -860.113+/-179.806 χ^2/NDF: 68.8/57

- 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: 958.353+/-0.223 χ^2/NDF:519146.7/11

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

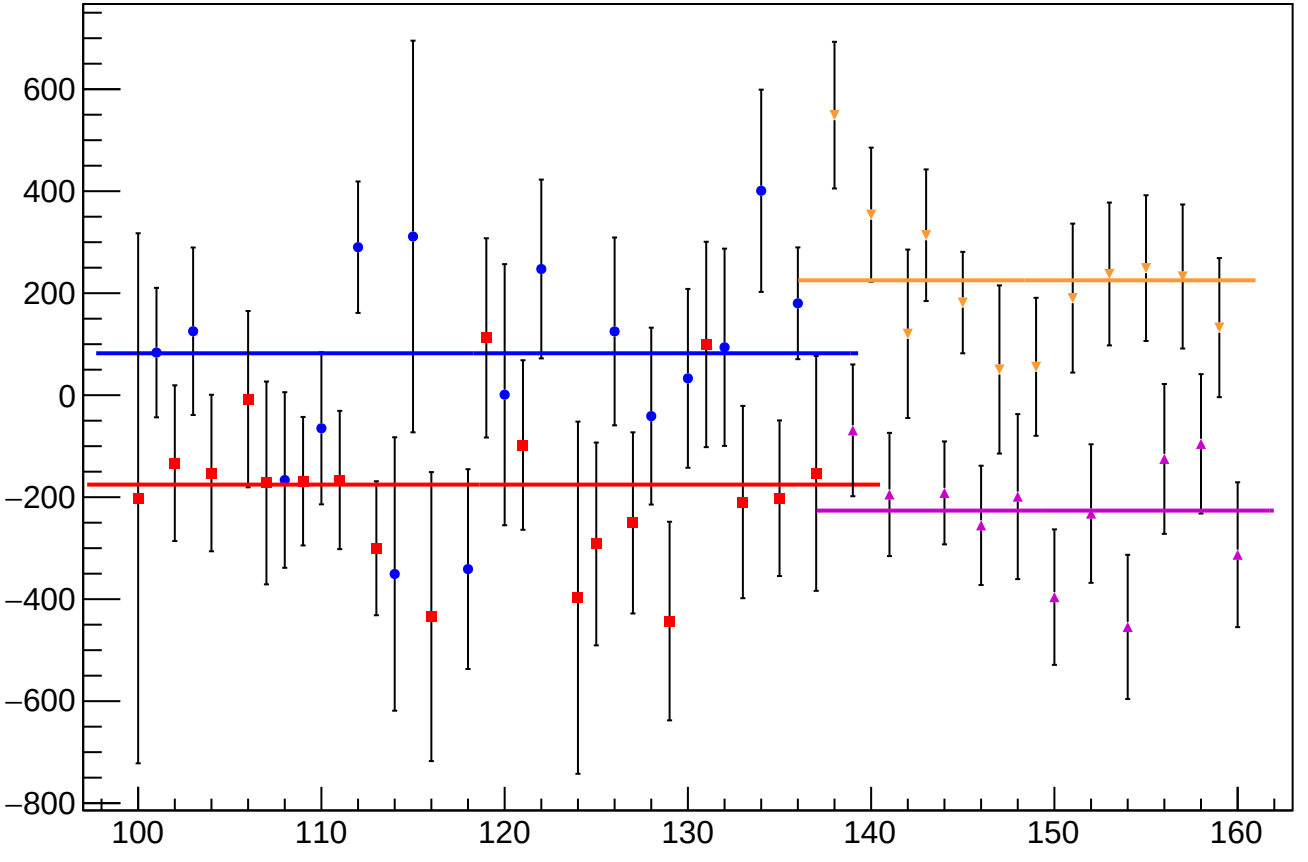
Left In: 952.336+/-0.221 χ^2/NDF:315792.3/10

+ sign 1025.949+/-0.182 χ^2/NDF: 1475647.7/27

All: 1018.312+/-0.127 χ^2/NDF: 2798928.7/57

- 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: 225.281+/-39.339 χ^2/NDF:10.4/11

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

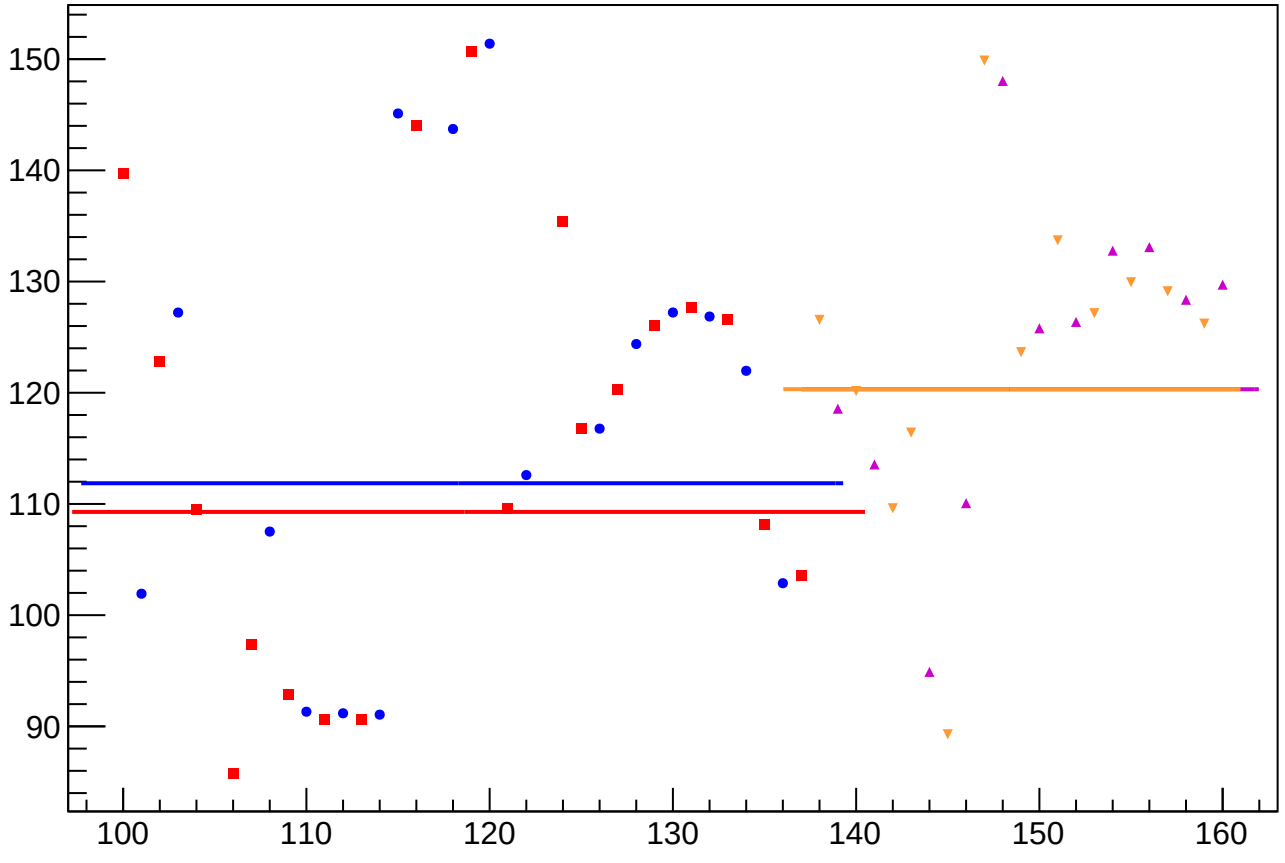
Left In: -226.290+/-39.277 χ^2/NDF:7.8/10

+ sign 158.634+/-28.754 χ^2/NDF: 34.9/27

All: -24.688+/-20.153 χ^2/NDF: 133.3/57

- 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: 120.324+/-0.028 χ^2/NDF:316322.0/11

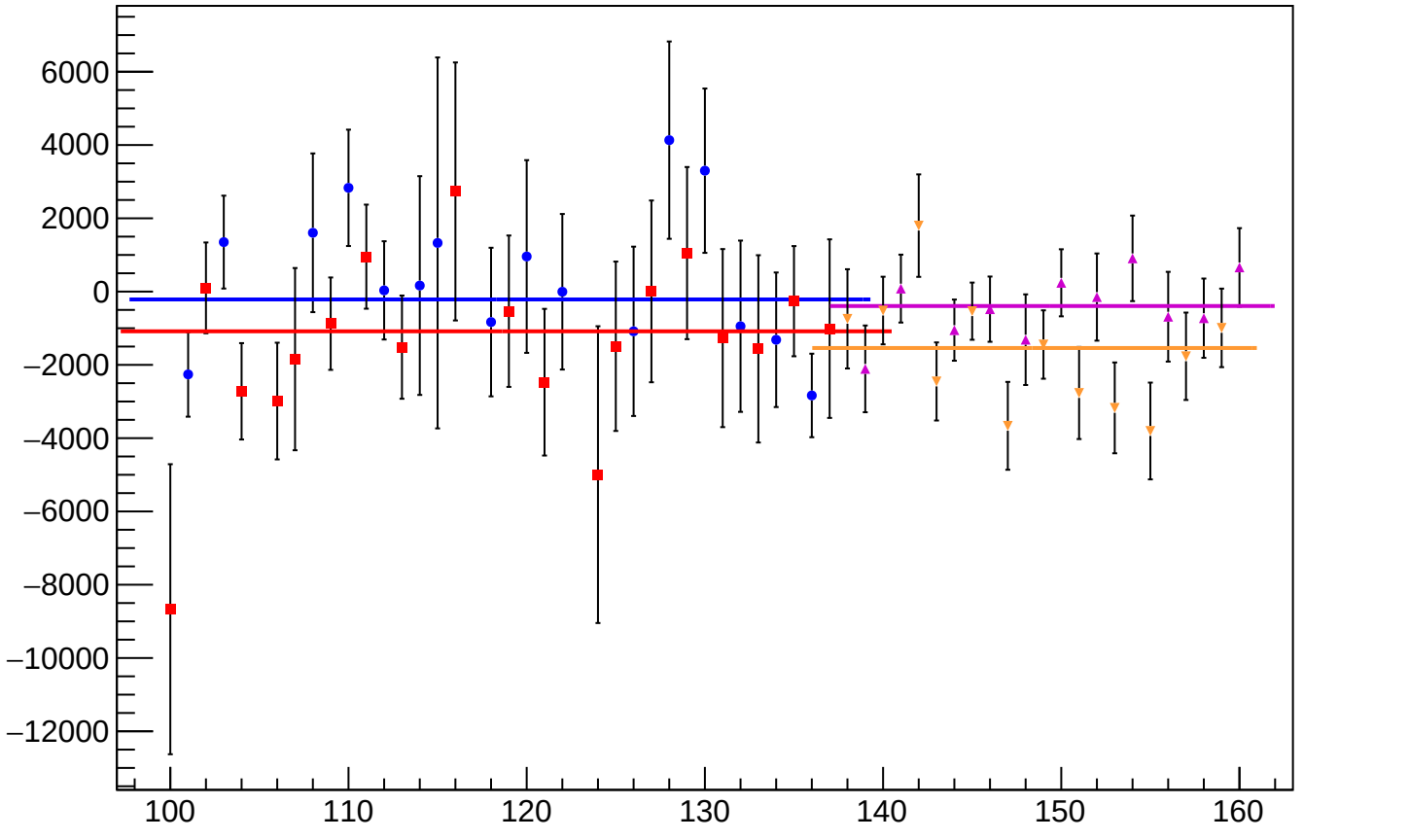
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.314+/-0.028 χ^2/NDF:261322.6/10

+ sign 116.383+/-0.020 χ^2/NDF: 665445.3/27

All: 115.676+/-0.014 χ^2/NDF: 1375962.7/57

- 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: -1539.738+/-315.766 χ^2/NDF:18.8/11

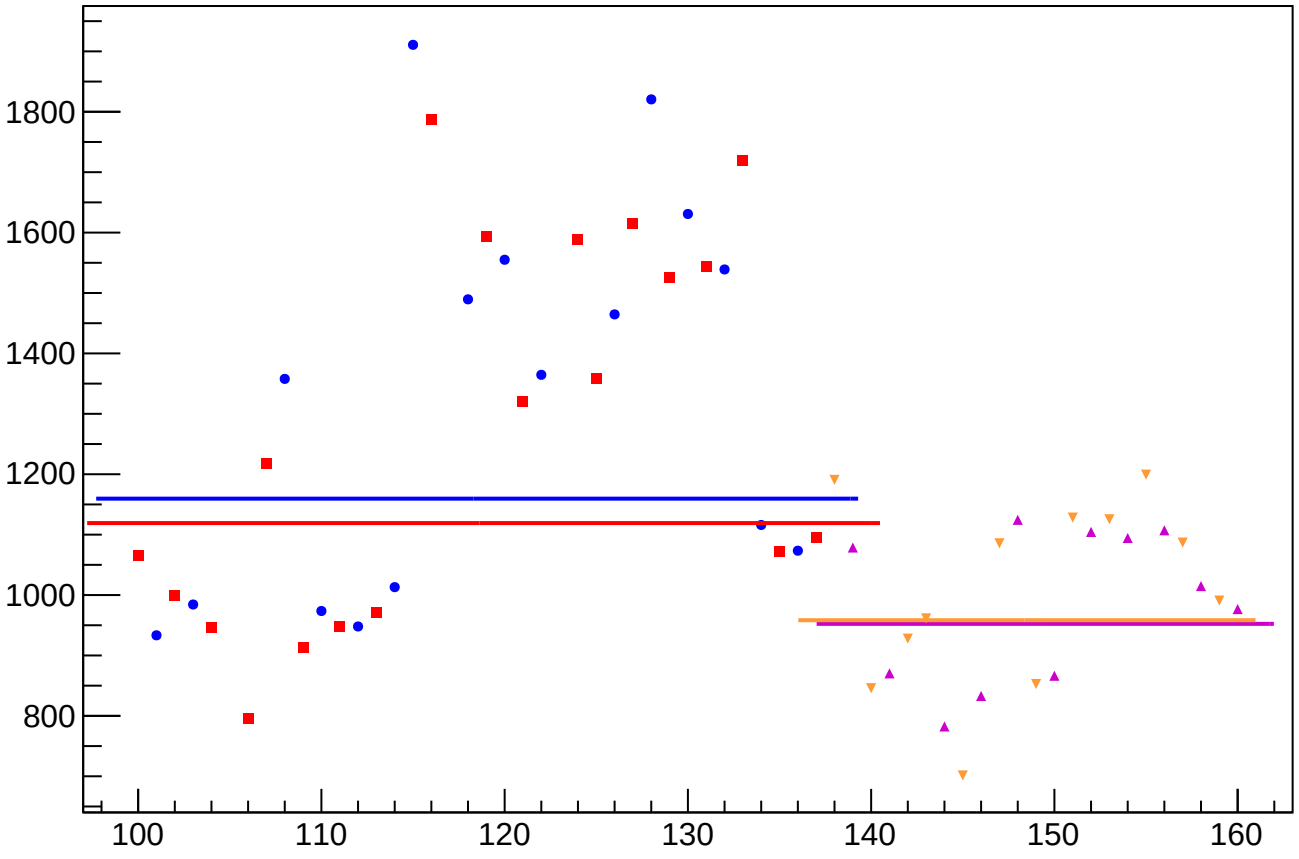
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -393.634+/-312.200 χ^2/NDF:6.4/10

+ sign -1094.478+/-257.319 χ^2/NDF: 45.1/27

All: -860.113+/-179.806 χ^2/NDF: 68.8/57

- 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: 958.353+/-0.223 χ^2/NDF:519146.7/11

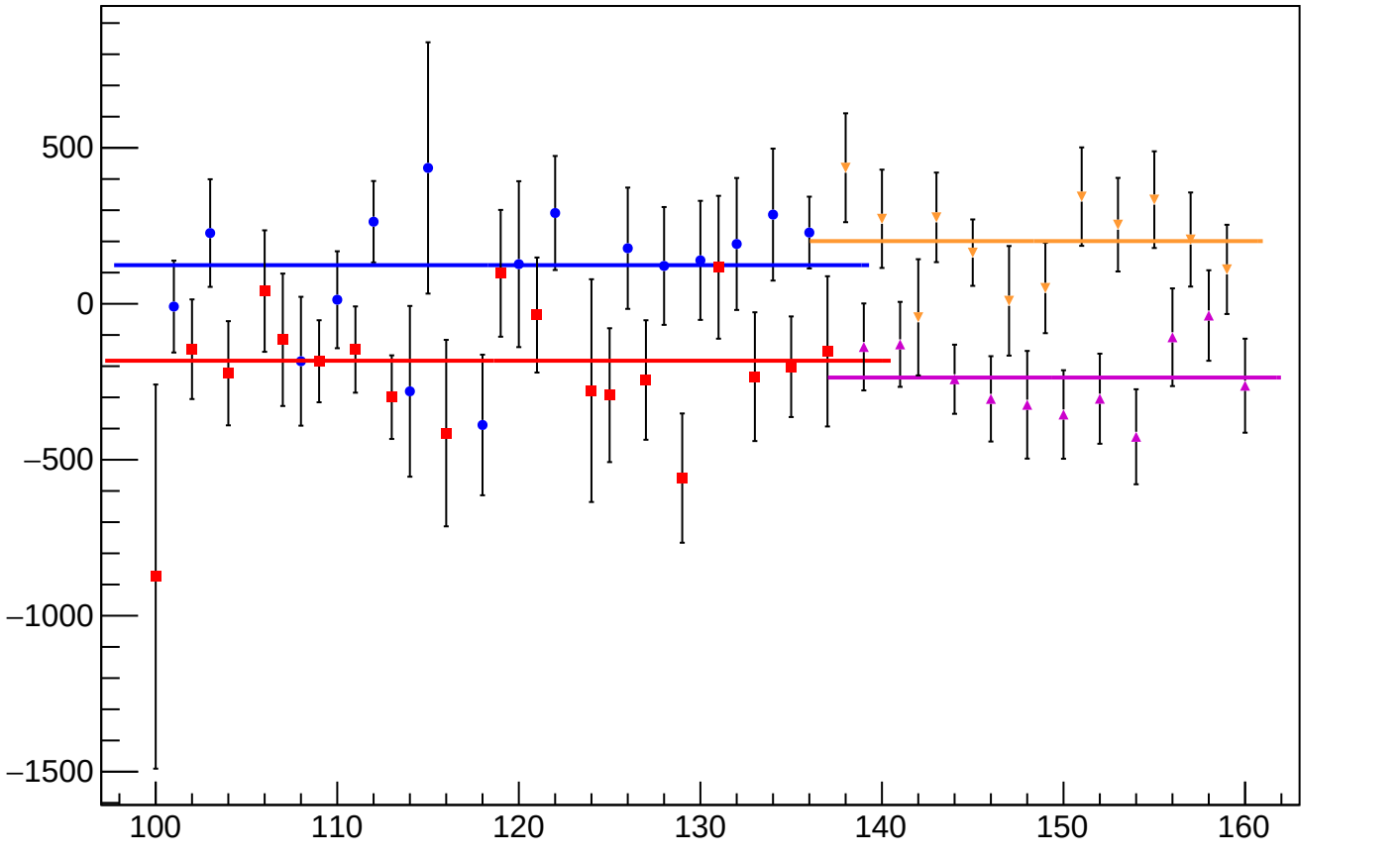
Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 952.336+/-0.221 χ^2/NDF:315792.3/10

+ sign 1025.949+/-0.182 χ^2/NDF: 1475647.7/27

All: 1018.312+/-0.127 χ^2/NDF: 2798928.7/57

- sign 1011.024+/-0.178 χ^2/NDF: 1319837.7/29



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 201.023+/-43.122 χ^2/NDF:8.5/11

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

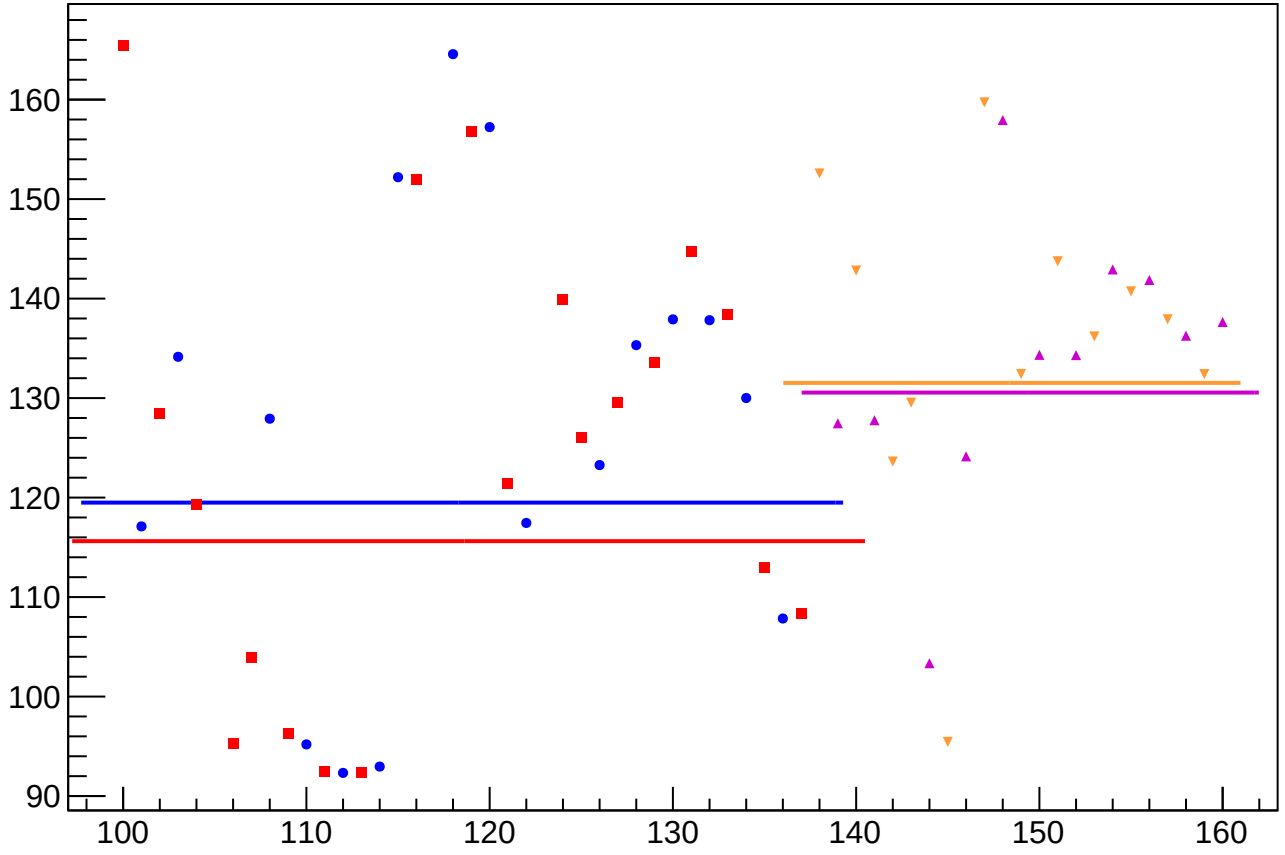
Left In: -236.417+/-42.762 χ^2/NDF:6.7/10

+ sign 164.303+/-31.213 χ^2/NDF: 25.4/27

All: -27.654+/-21.778 χ^2/NDF: 118.9/57

- 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: 131.527+/-0.030 χ^2/NDF:349368.4/11

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

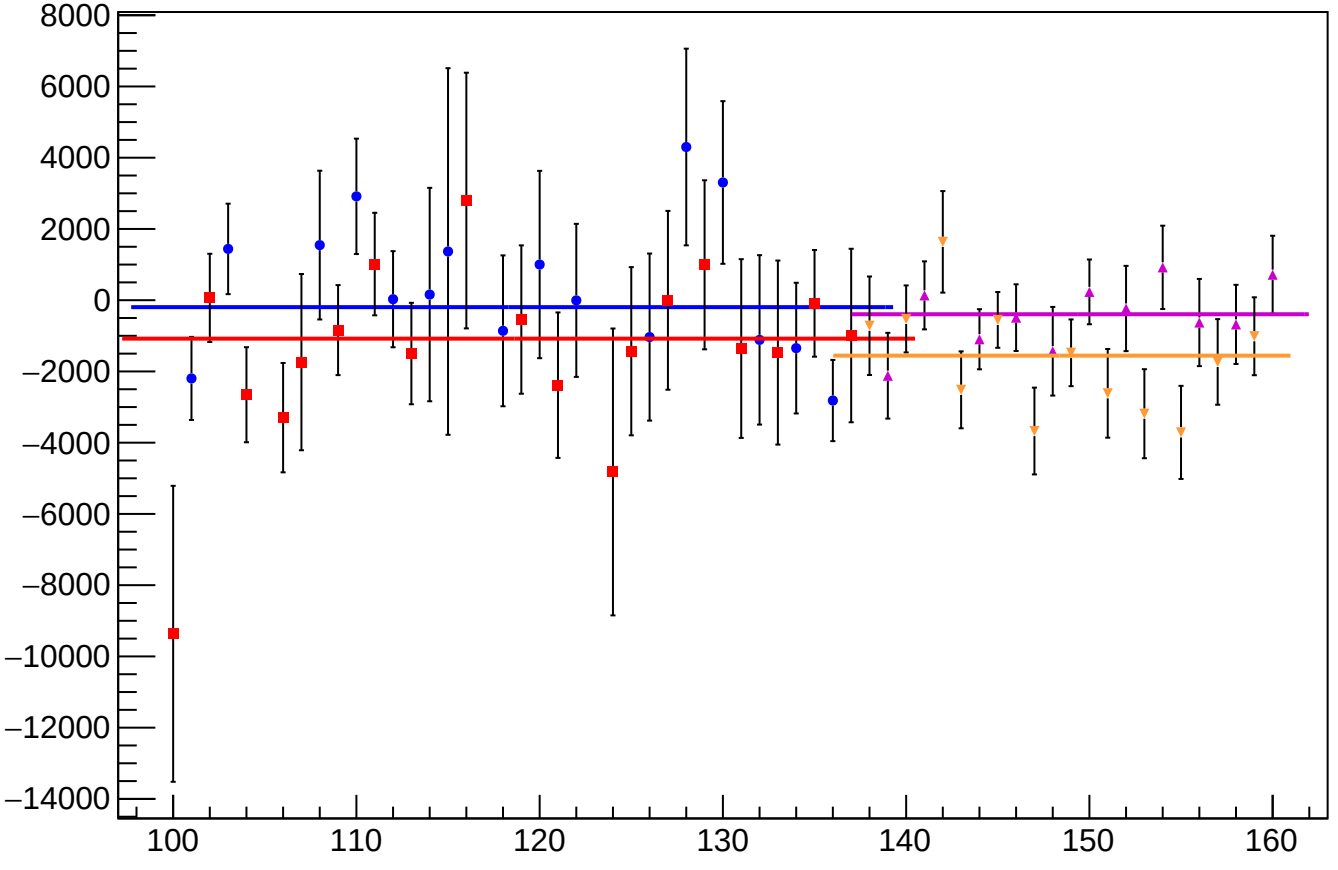
Left In: 130.556+/-0.030 χ^2/NDF:211056.5/10

+ sign 125.799+/-0.022 χ^2/NDF: 803750.5/27

All: 124.449+/-0.015 χ^2/NDF: 1569707.0/57

- sign 123.169+/-0.021 χ^2/NDF: 758670.8/29

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1556.576+/-318.673 χ^2/NDF:17.5/11

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

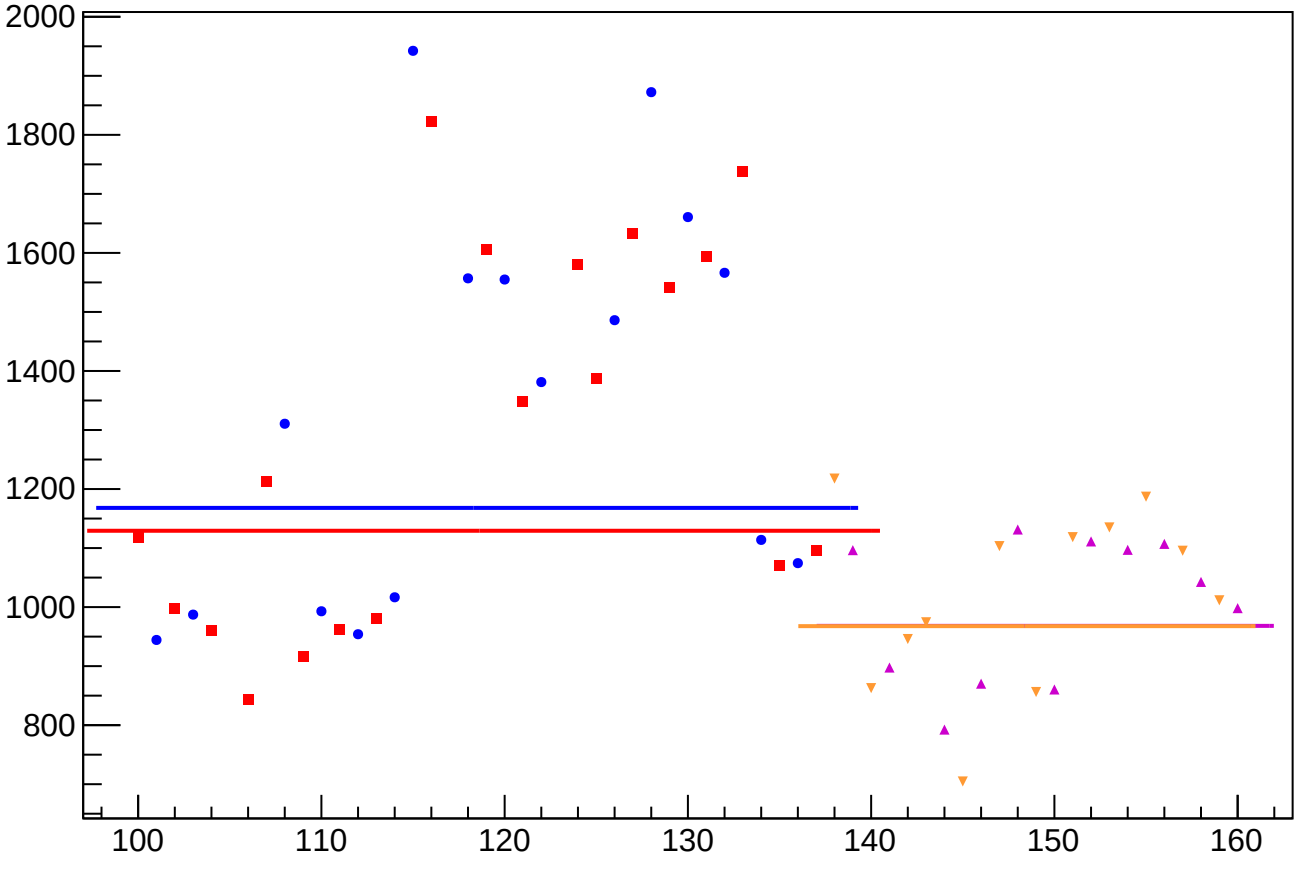
Left In: -394.215+/-317.327 χ^2/NDF:6.7/10

+ sign -1098.236+/-259.548 χ^2/NDF: 44.0/27

All: -863.964+/-181.707 χ^2/NDF: 68.5/57

- 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: 967.735+/-0.225 χ^2/NDF:517023.4/11

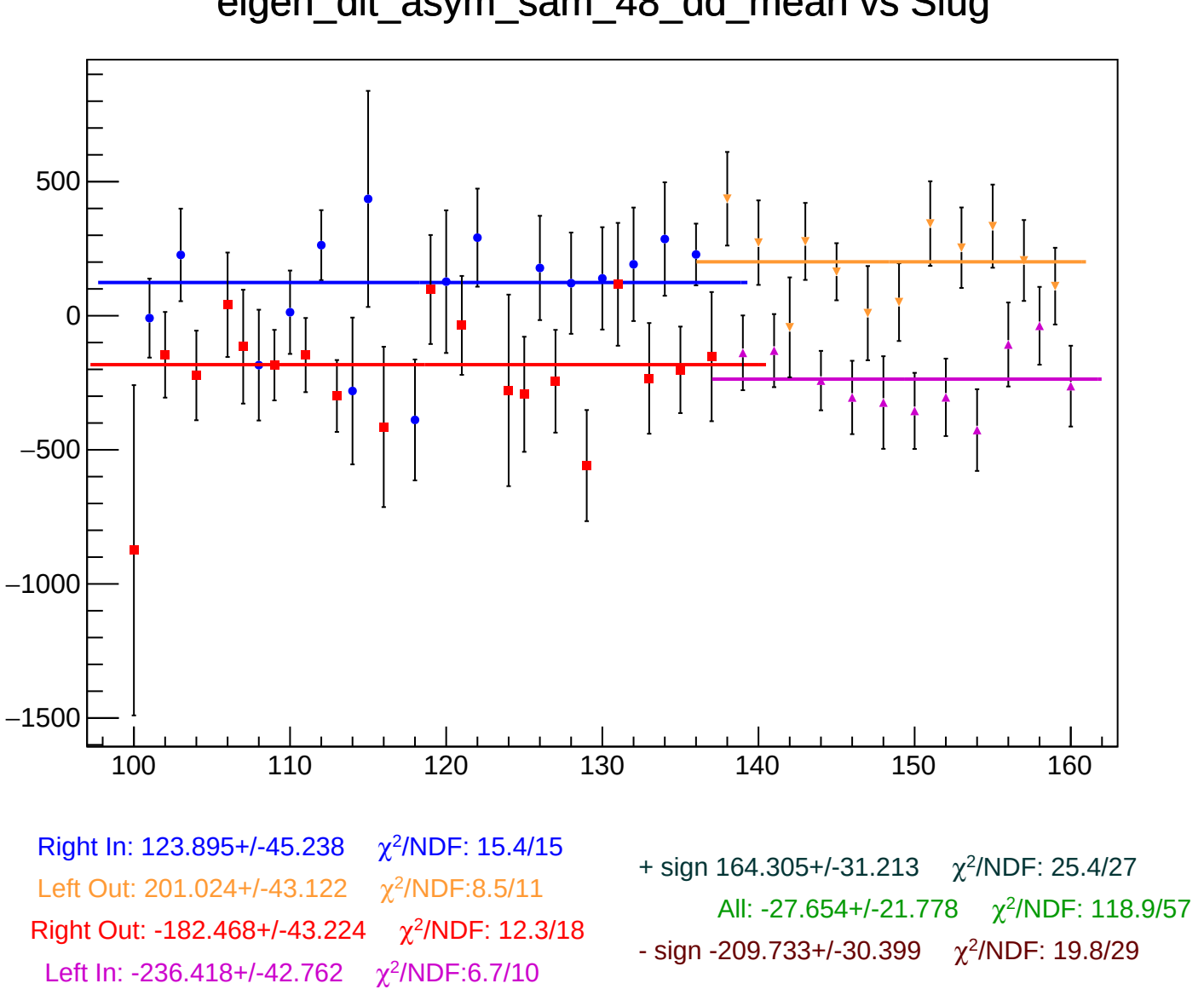
Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 968.214+/-0.224 χ^2/NDF:293772.4/10

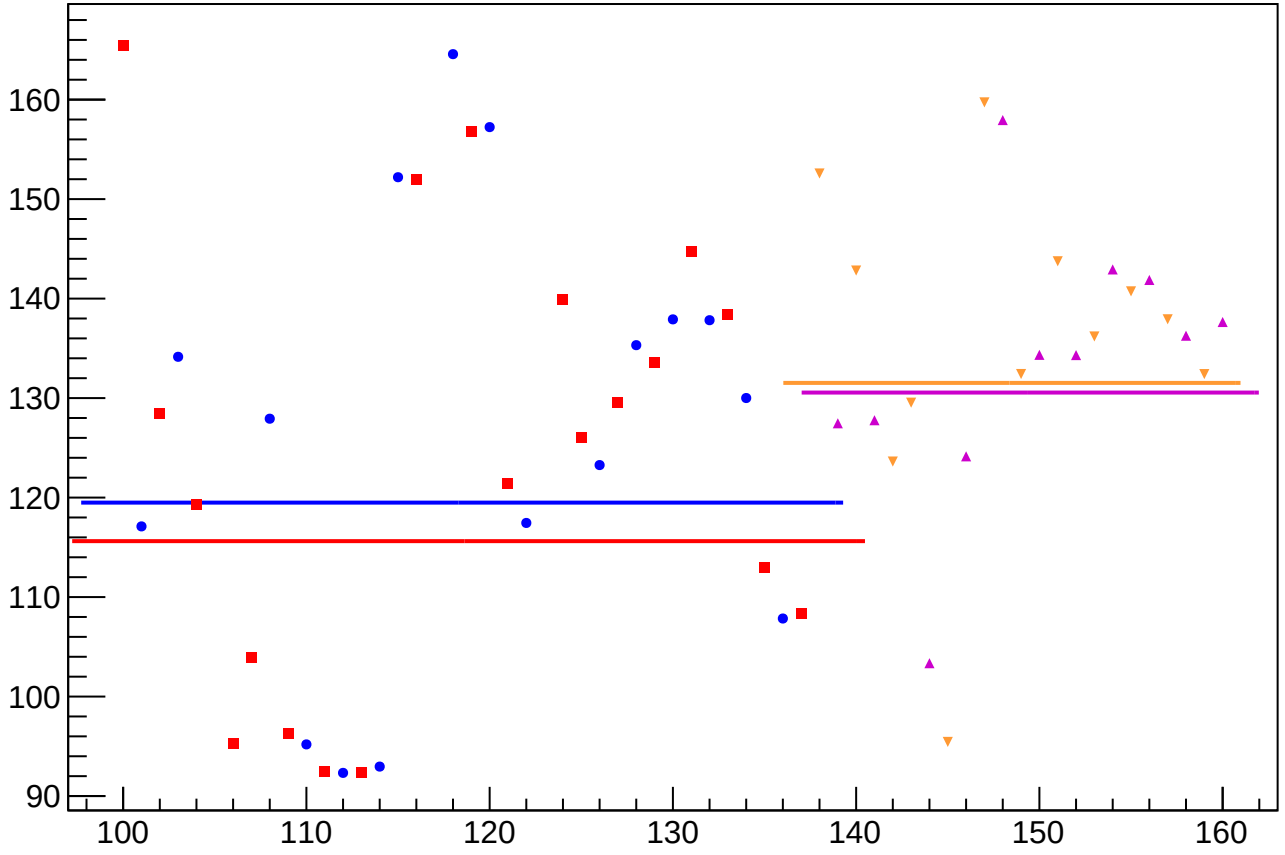
+ sign 1035.174+/-0.184 χ^2/NDF: 1492456.5/27

All: 1030.351+/-0.128 χ^2/NDF: 2778792.3/57

- sign 1025.714+/-0.180 χ^2/NDF: 1284980.9/29


eigen_dit_asym_sam_48_dd_mean vs Slug
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
Right In: 123.895+/-45.238 χ²/NDF: 15.4/15
Left Out: 201.024+/-43.122 χ²/NDF:8.5/11
Right Out: -182.468+/-43.224 χ²/NDF: 12.3/18
Left In: -236.418+/-42.762 χ²/NDF:6.7/10
+ sign 164.305+/-31.213 χ²/NDF: 25.4/27
All: -27.654+/-21.778 χ²/NDF: 118.9/57
- sign -209.733+/-30.399 χ²/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: 131.527+/-0.030 χ^2/NDF:349366.7/11

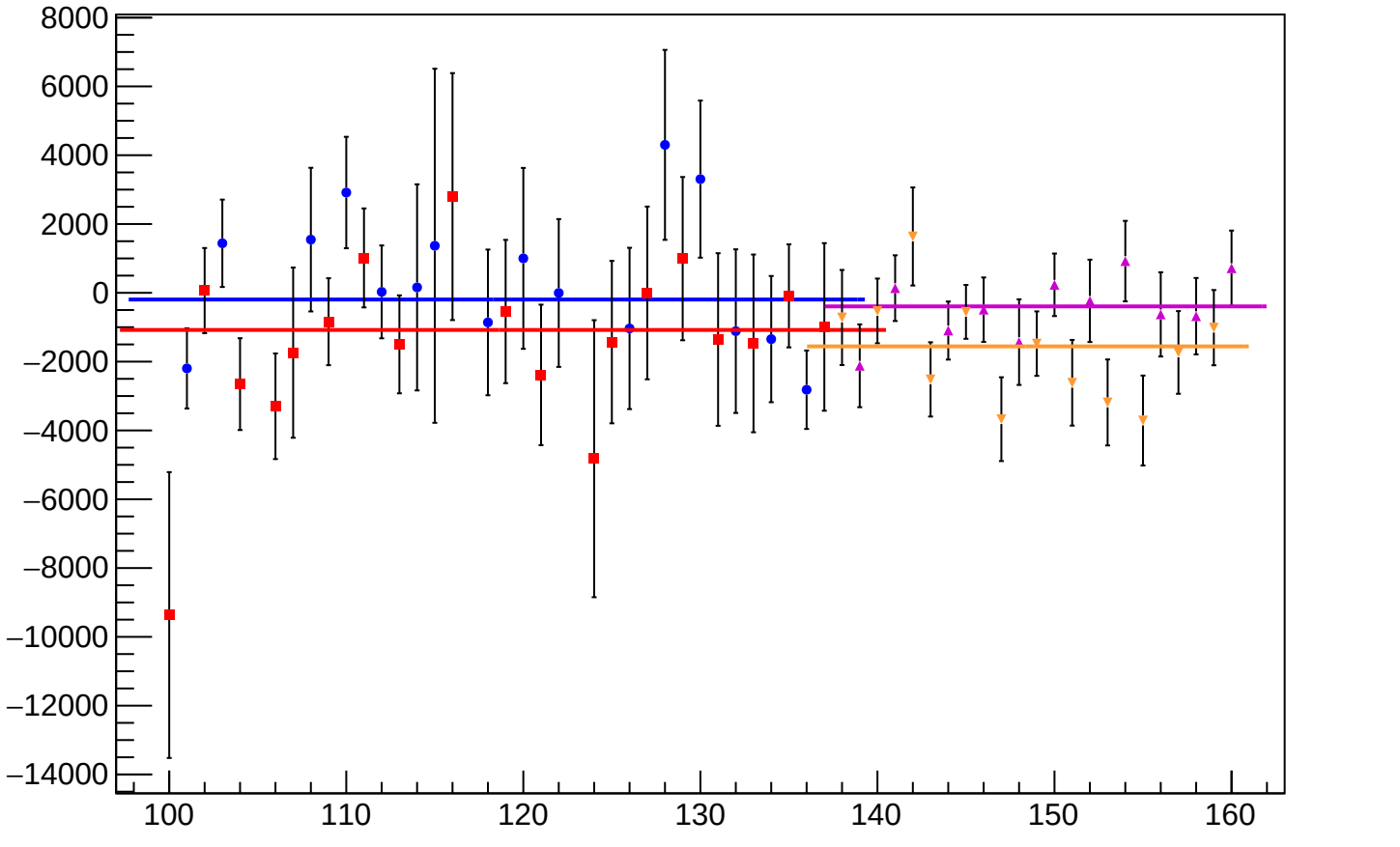
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 130.556+/-0.030 χ^2/NDF:211055.0/10

+ sign 125.799+/-0.022 χ^2/NDF: 803752.7/27

All: 124.449+/-0.015 χ^2/NDF: 1569714.7/57

- 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: -1556.573+/-318.673 χ^2/NDF:17.5/11

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

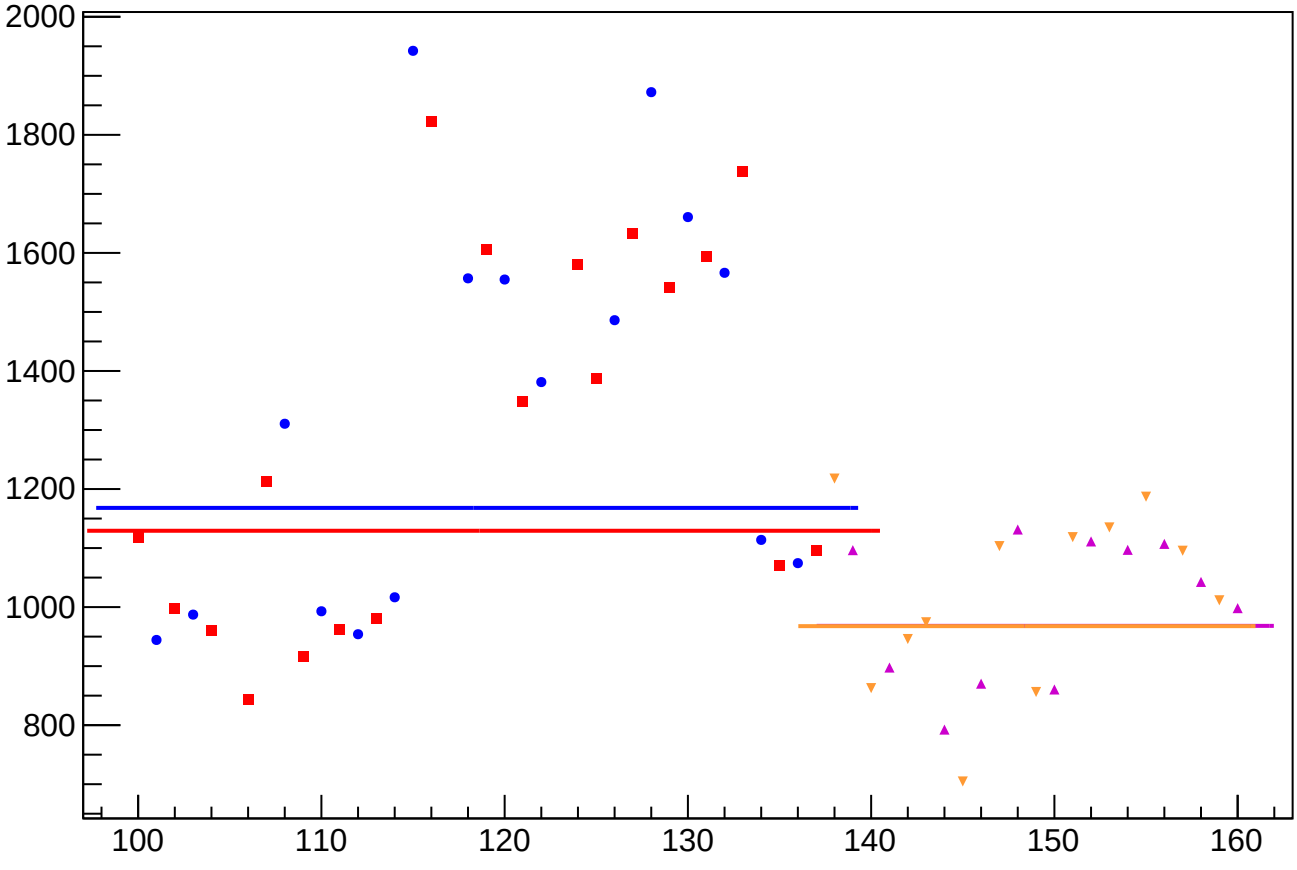
Left In: -394.214+/-317.327 χ^2/NDF:6.7/10

+ sign -1098.234+/-259.548 χ^2/NDF: 44.0/27

All: -863.963+/-181.707 χ^2/NDF: 68.5/57

- 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: 967.734+/-0.225 χ^2/NDF:517026.6/11

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

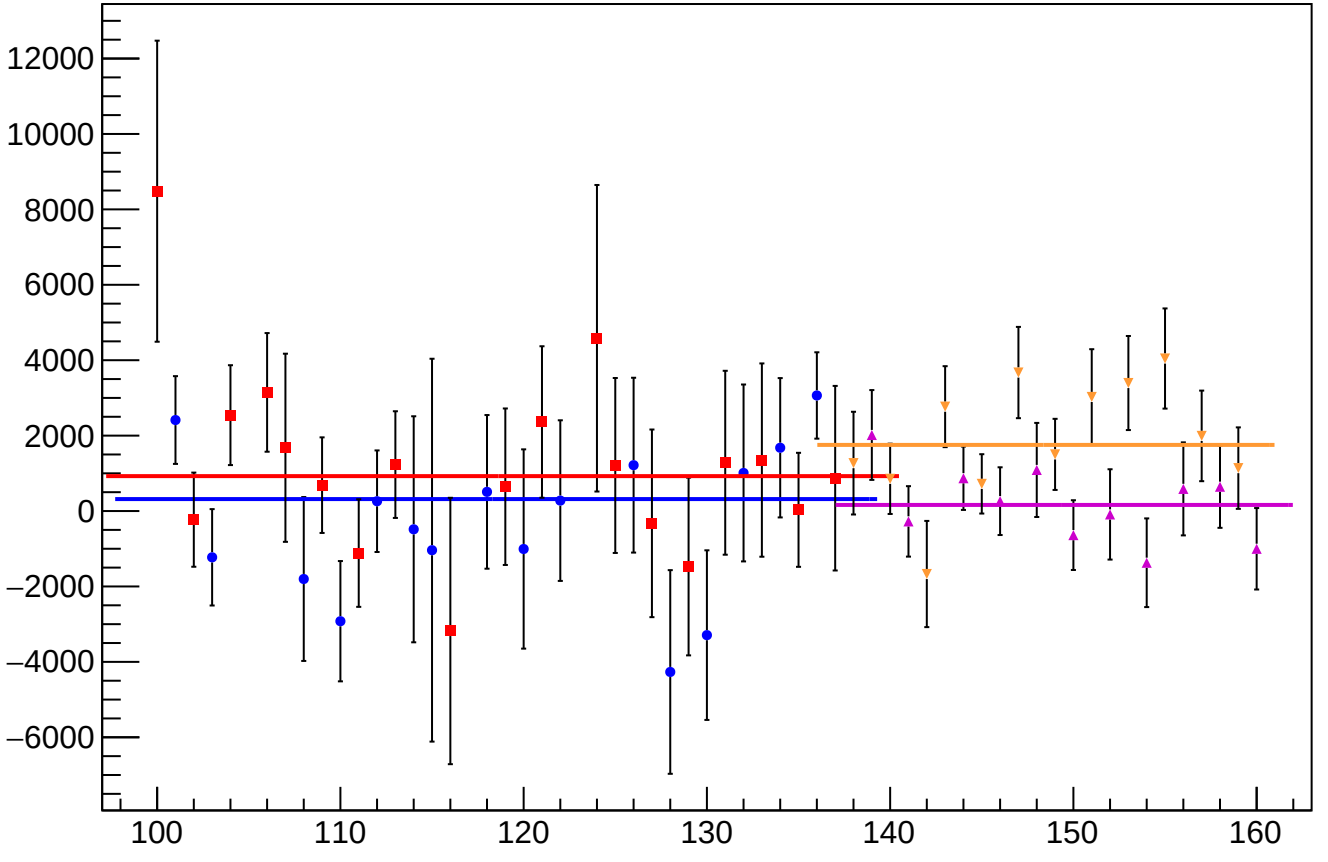
Left In: 968.214+/-0.224 χ^2/NDF:293770.3/10

+ sign 1035.174+/-0.184 χ^2/NDF: 1492463.6/27

All: 1030.350+/-0.128 χ^2/NDF: 2778798.6/57

- 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: 1753.958+/-318.347 χ^2/NDF:18.2/11

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

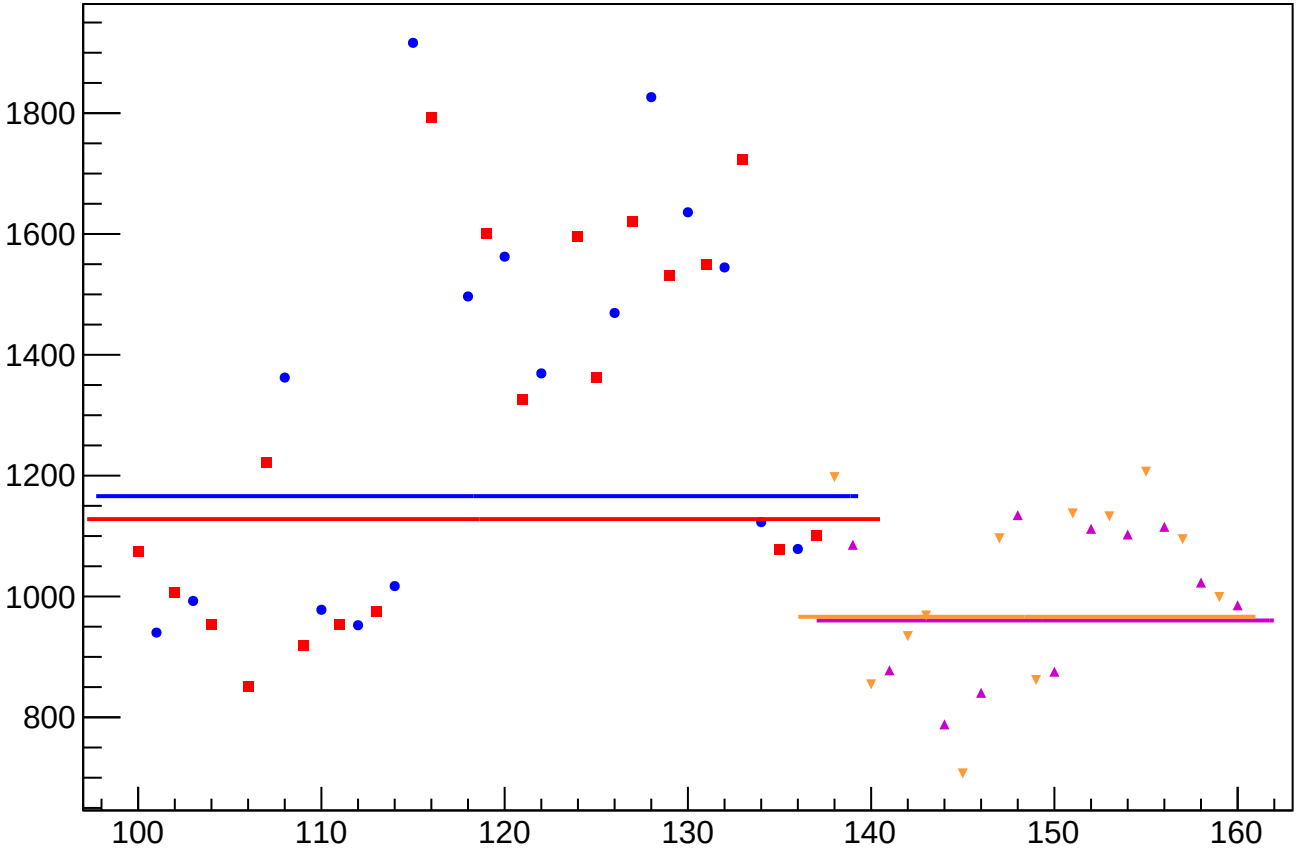
Left In: 161.905+/-314.768 χ^2/NDF:7.9/10

+ sign 1269.565+/-259.178 χ^2/NDF: 47.3/27

All: 840.862+/-181.055 χ^2/NDF: 77.1/57

- 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: 966.389+/-0.225 χ^2/NDF:514425.9/11

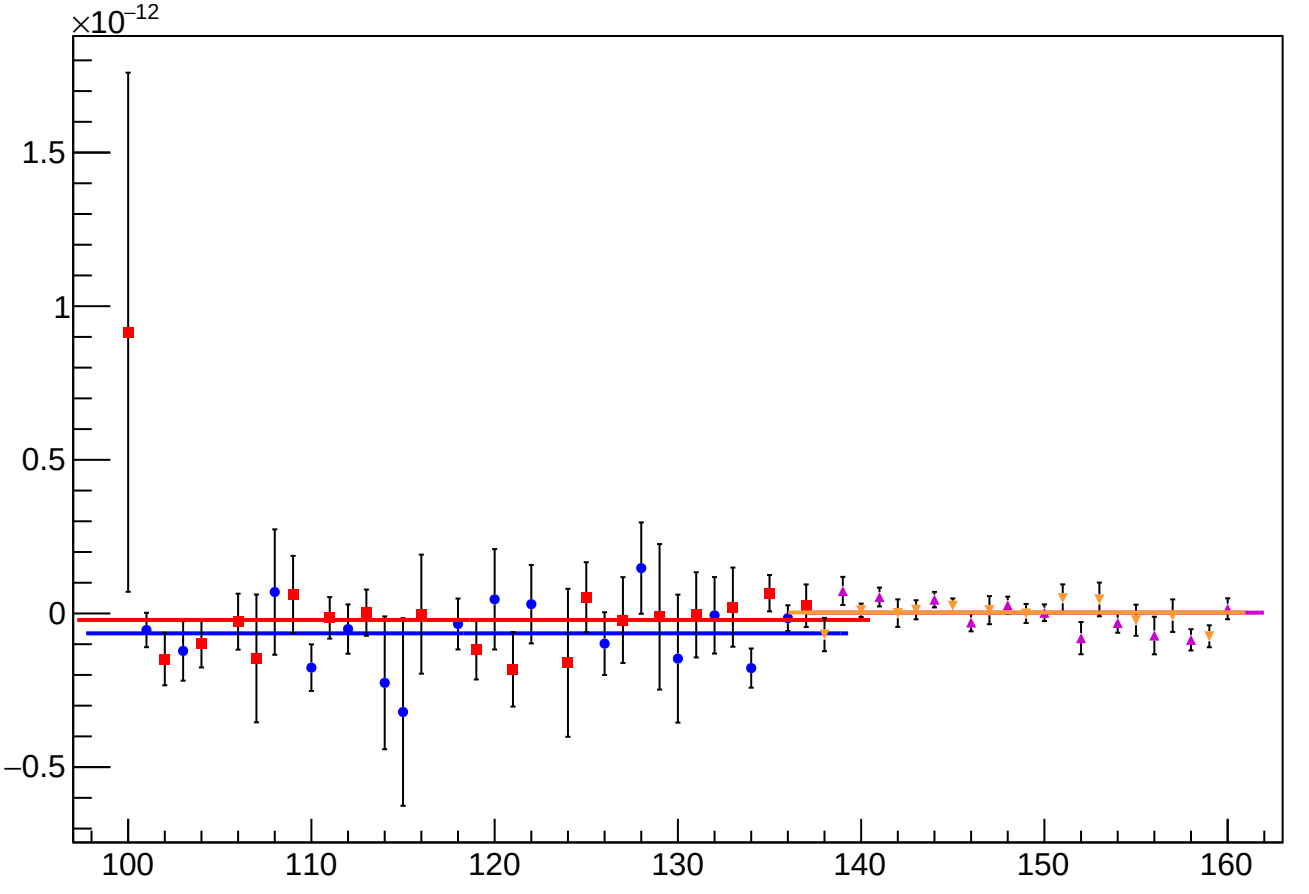
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 960.304+/-0.223 χ^2/NDF:313503.0/10

+ sign 1033.713+/-0.183 χ^2/NDF: 1456769.9/27

All: 1026.506+/-0.128 χ^2/NDF: 2749912.5/57

- sign 1019.636+/-0.179 χ^2/NDF: 1290121.6/29



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/11

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

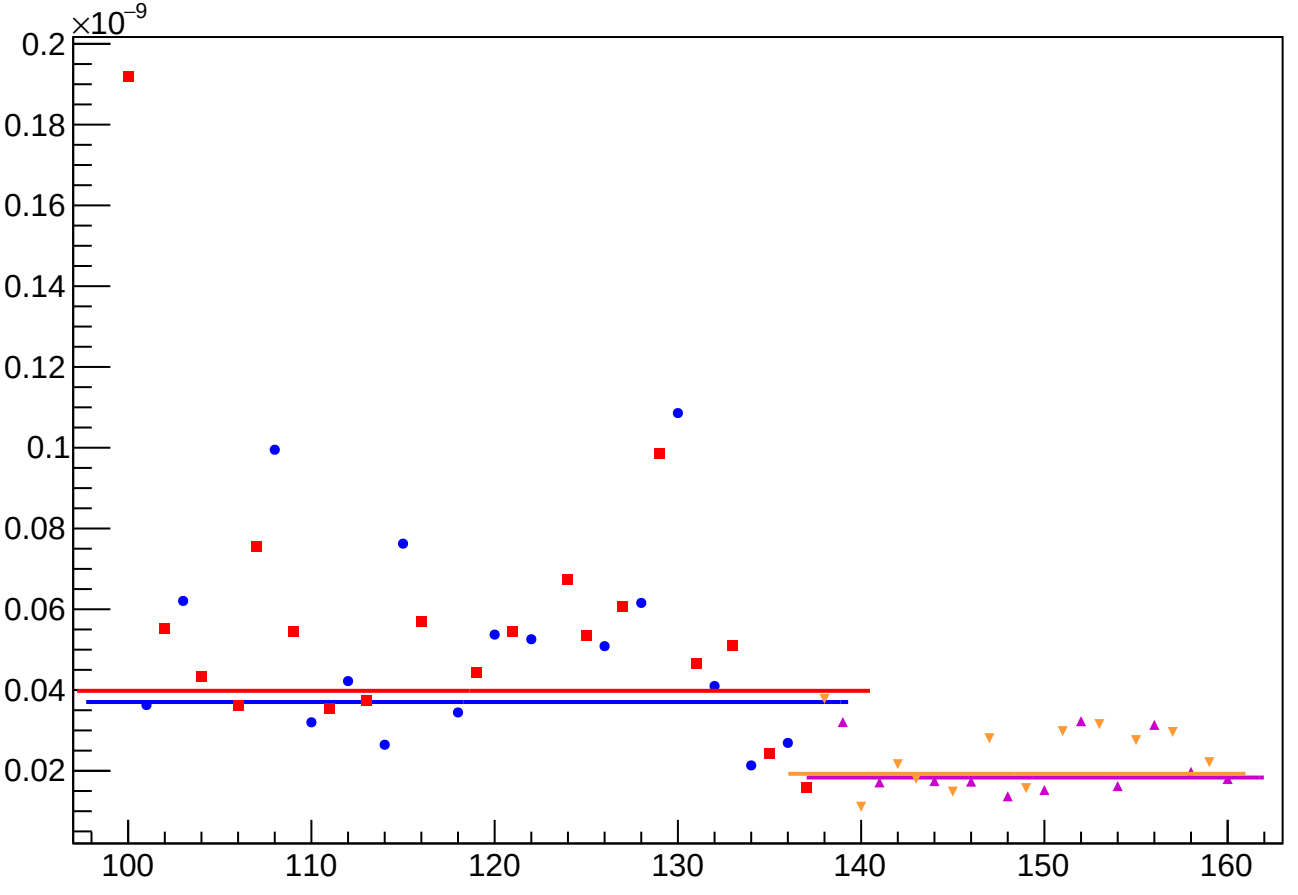
Left In: 0.000+/-0.000 χ^2/NDF:21.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 29.9/27

All: -0.000+/-0.000 χ^2/NDF: 64.3/57

- 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:1049376.1/11

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

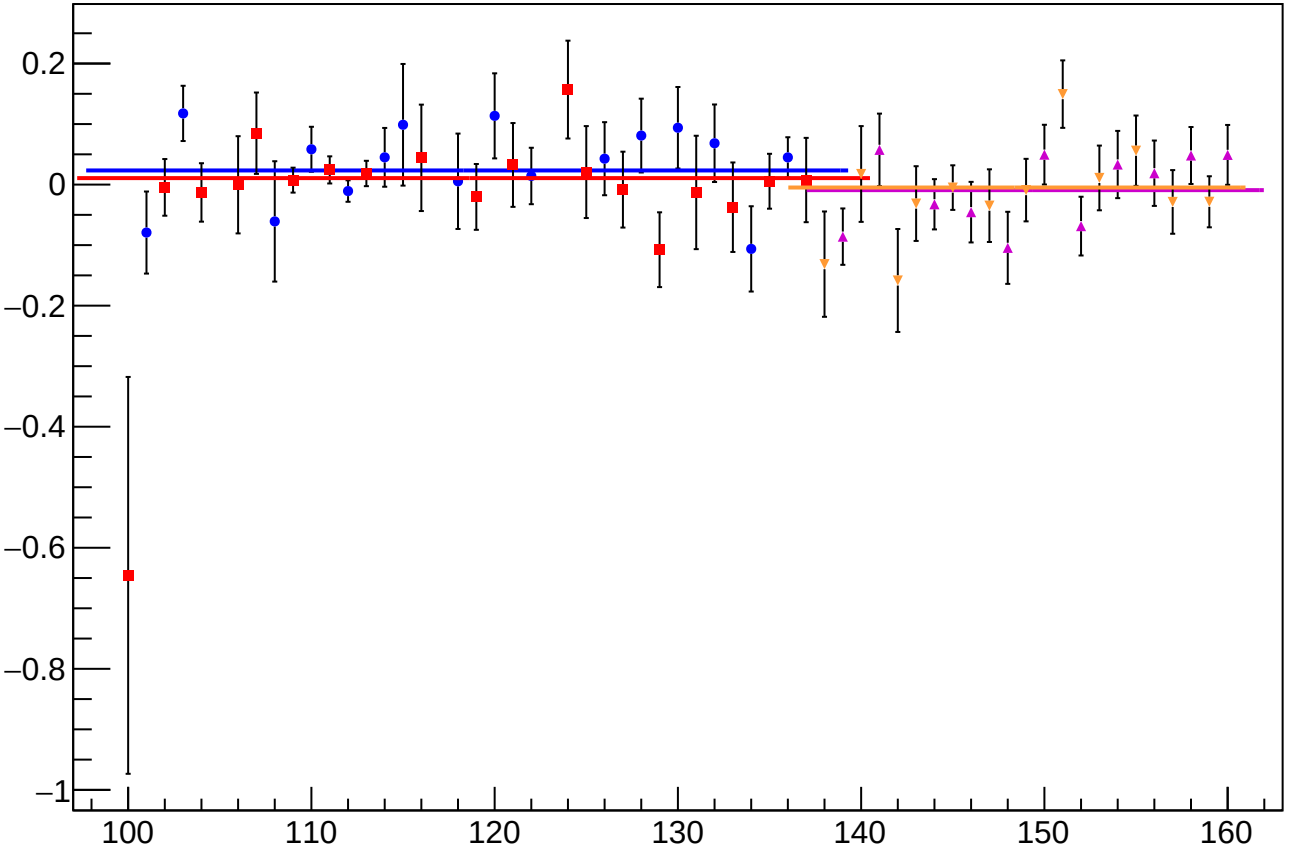
Left In: 0.000+/-0.000 χ^2/NDF:513401.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 3133642.0/27

All: 0.000+/-0.000 χ^2/NDF: 6016649.9/57

- sign 0.000+/-0.000 χ^2/NDF: 2875898.1/29

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.005+/-0.016 χ^2/NDF:15.3/11

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

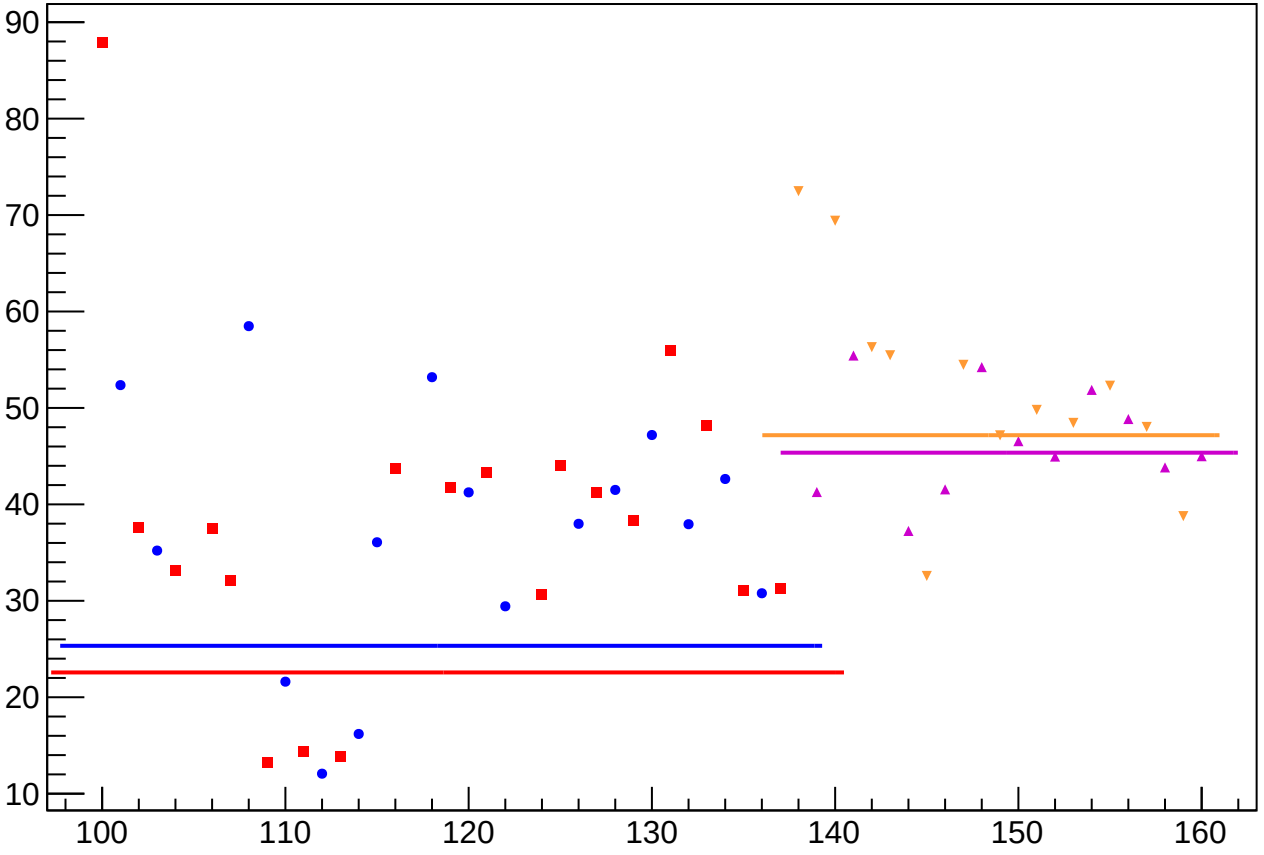
Left In: -0.009+/-0.015 χ^2/NDF:14.0/10

+ sign 0.014+/-0.009 χ^2/NDF: 38.1/27

All: 0.009+/-0.006 χ^2/NDF: 68.1/57

- 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: 47.173+/-0.011 χ^2/NDF:830711.7/11

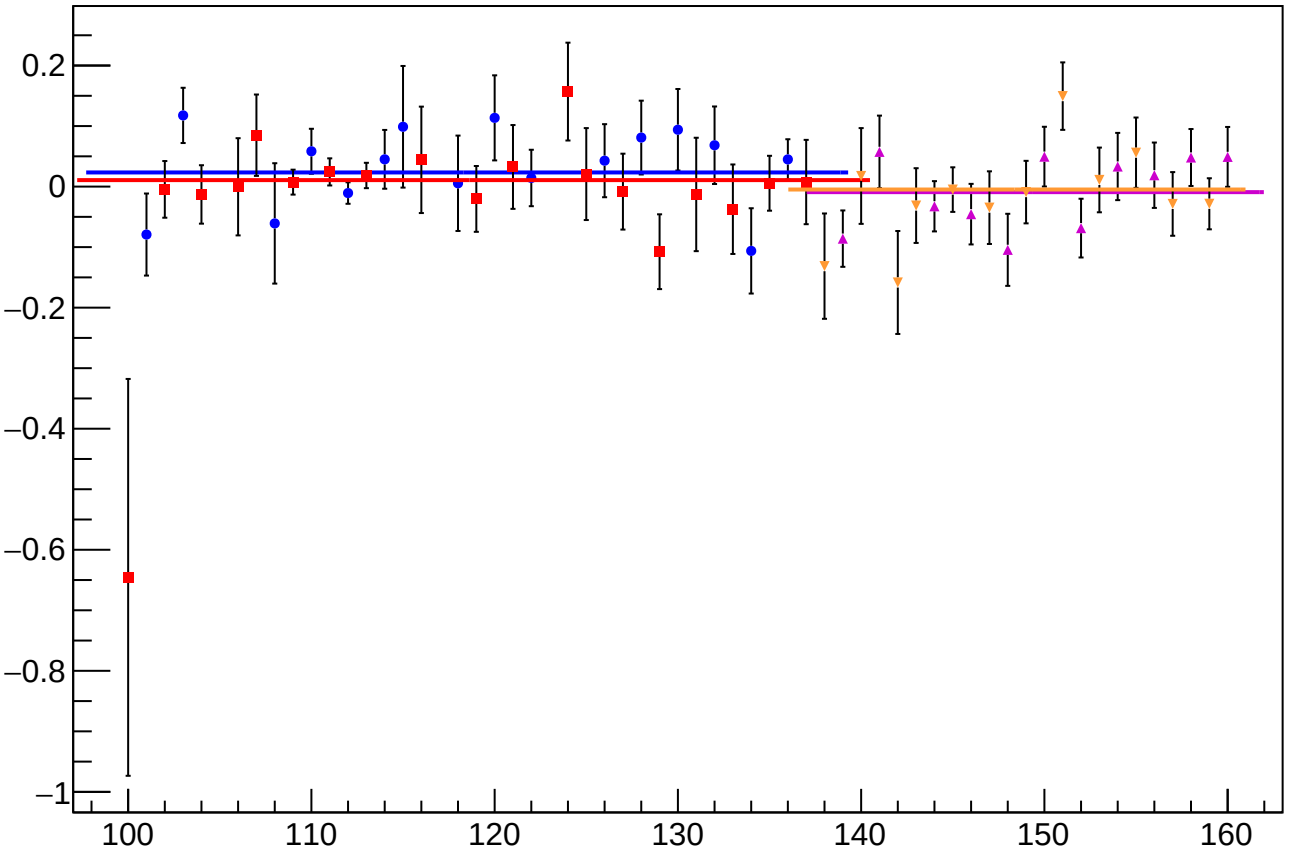
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.359+/-0.011 χ^2/NDF:243669.9/10

+ sign 32.485+/-0.006 χ^2/NDF: 6305085.8/27

All: 30.739+/-0.004 χ^2/NDF: 13017171.1/57

- 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: -0.005+/-0.016 χ^2/NDF:15.3/11

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

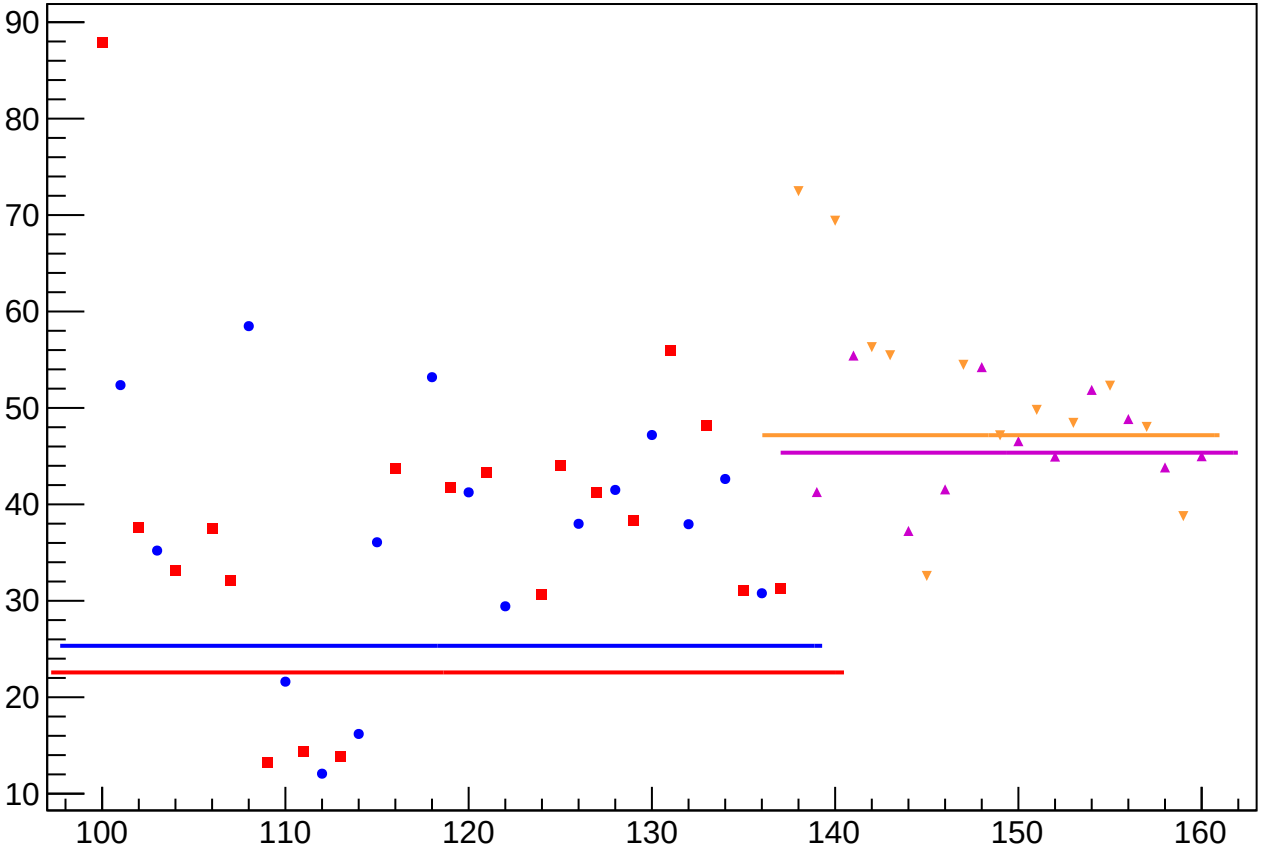
Left In: -0.009+/-0.015 χ^2/NDF:14.0/10

+ sign 0.014+/-0.009 χ^2/NDF: 38.1/27

All: 0.009+/-0.006 χ^2/NDF: 68.1/57

- 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: 47.173+/-0.011 χ^2/NDF:830711.7/11

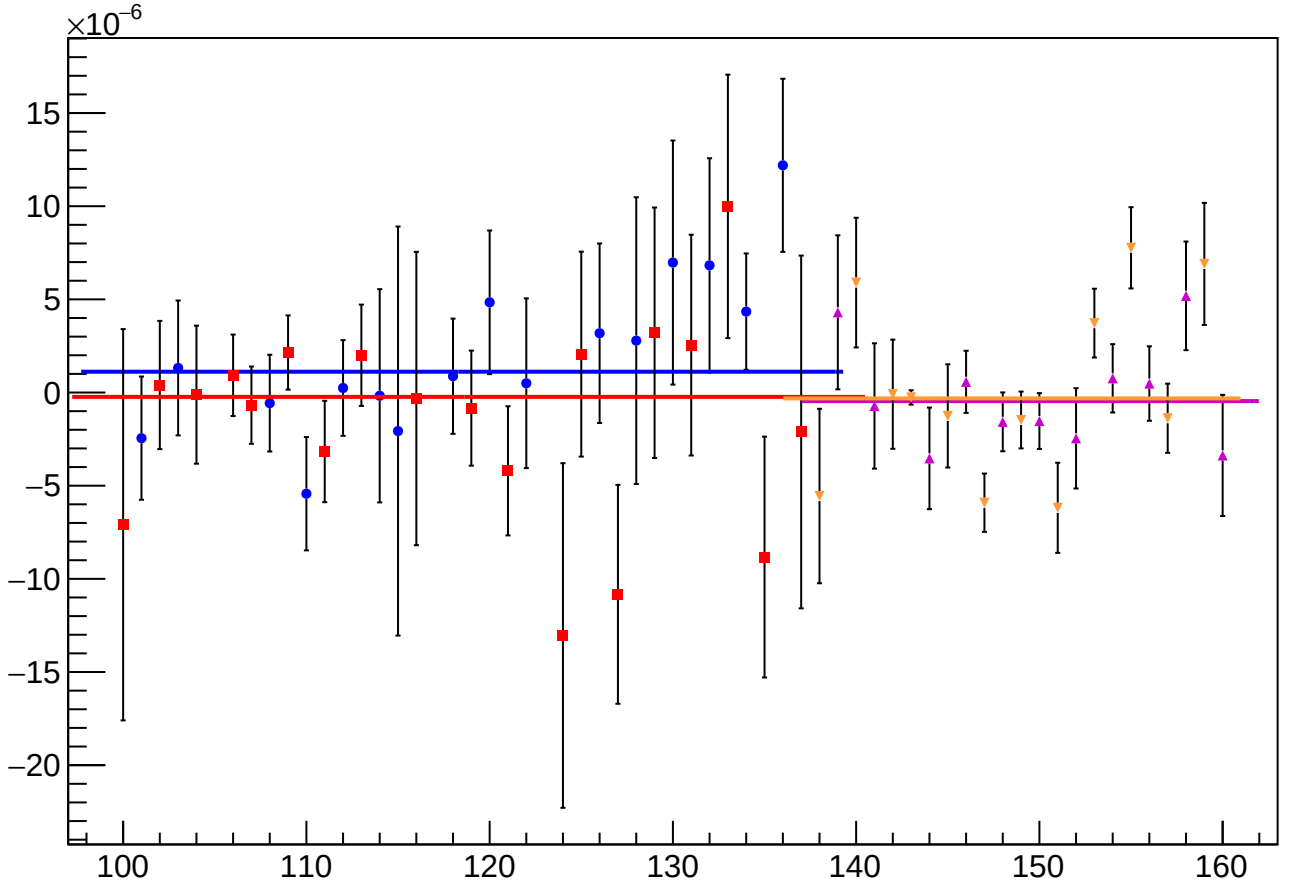
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.359+/-0.011 χ^2/NDF:243669.9/10

+ sign 32.485+/-0.006 χ^2/NDF: 6305085.8/27

All: 30.739+/-0.004 χ^2/NDF: 13017171.1/57

- 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:47.6/11

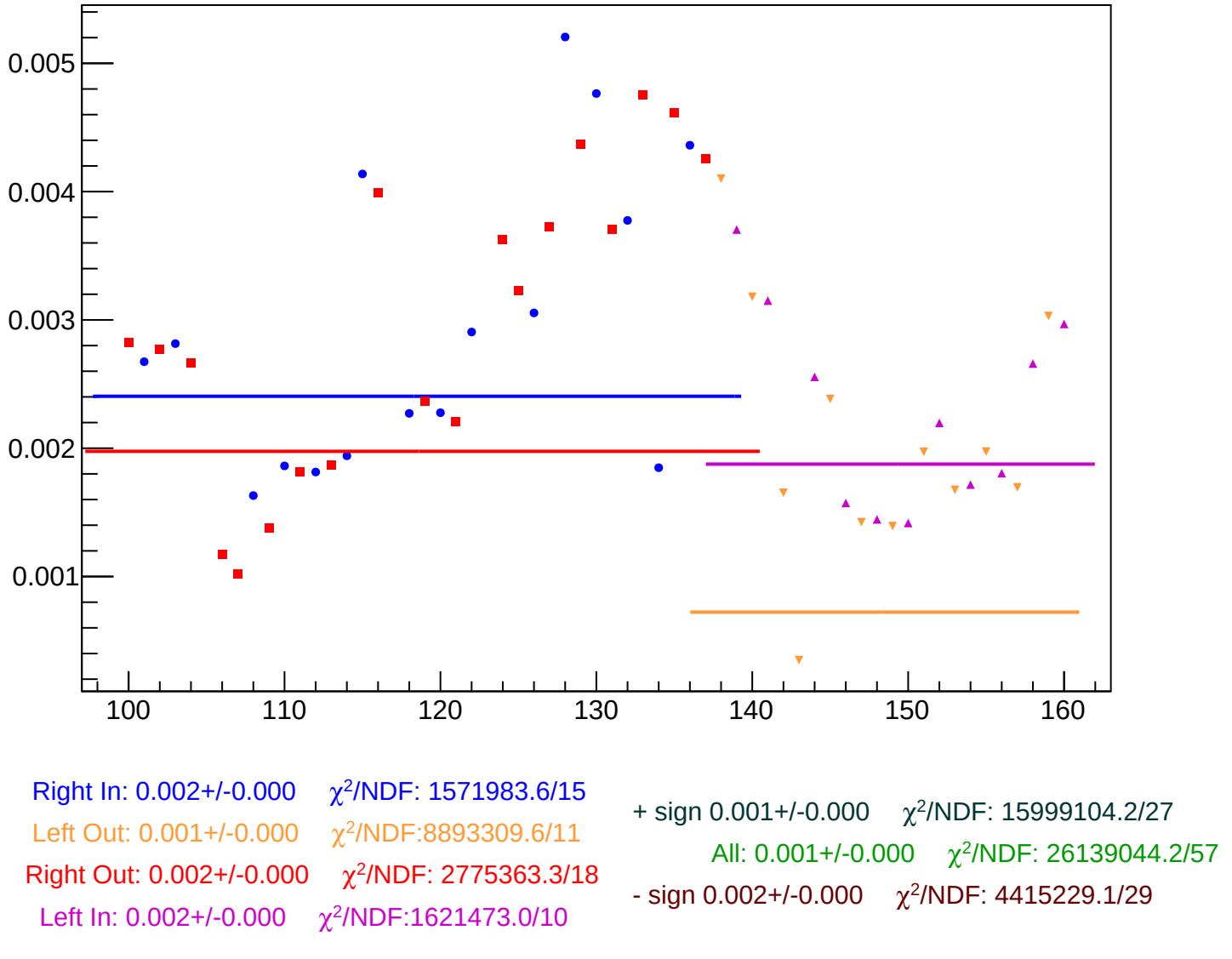
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

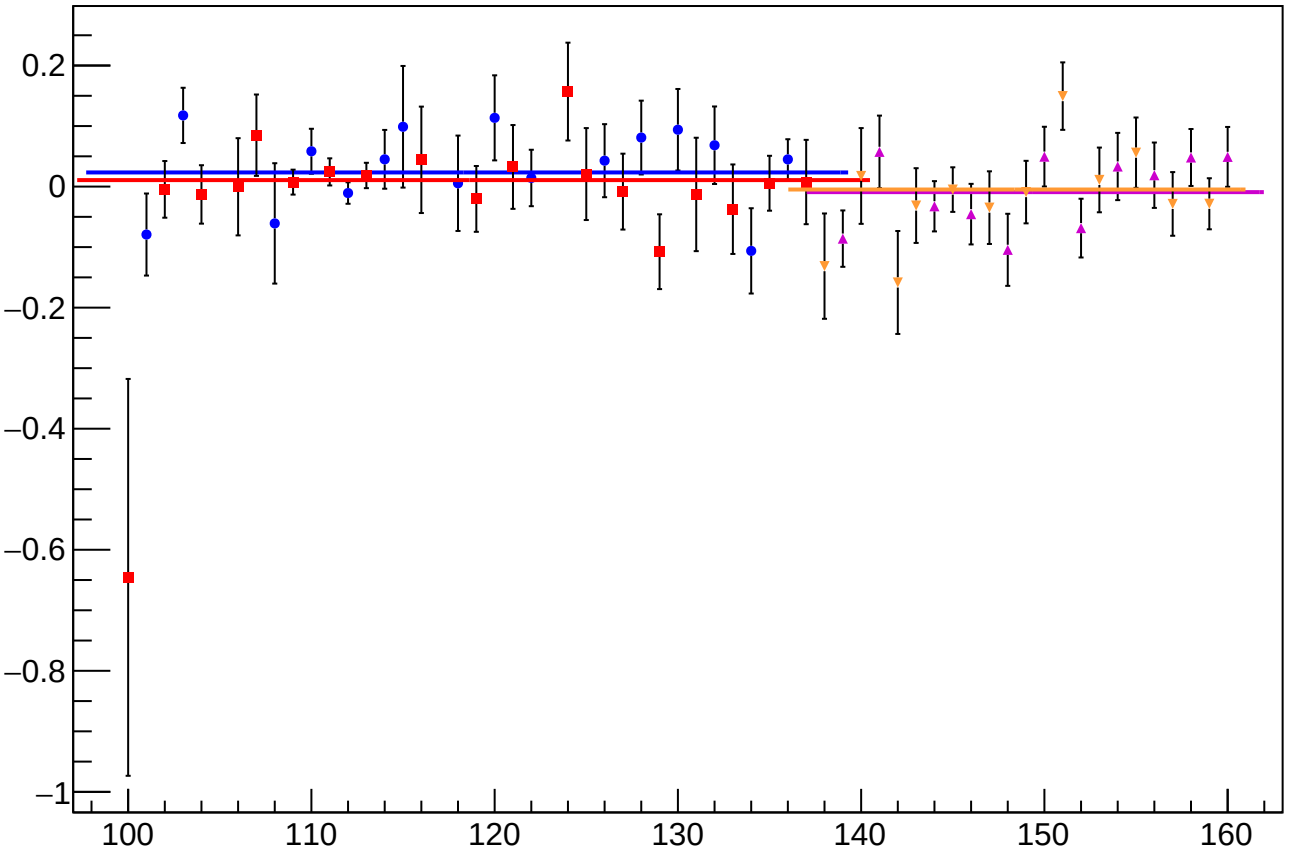
Left In: -0.000+/-0.000 χ^2/NDF:9.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 65.8/27

All: -0.000+/-0.000 χ^2/NDF: 90.9/57

- sign -0.000+/-0.000 χ^2/NDF: 25.0/29


asym_sam_48_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: 0.002+/-0.000 χ²/NDF: 1571983.6/15
Left Out: 0.001+/-0.000 χ²/NDF:8893309.6/11
Right Out: 0.002+/-0.000 χ²/NDF: 2775363.3/18
Left In: 0.002+/-0.000 χ²/NDF:1621473.0/10
+ sign 0.001+/-0.000 χ²/NDF: 15999104.2/27
All: 0.001+/-0.000 χ²/NDF: 26139044.2/57
- sign 0.002+/-0.000 χ²/NDF: 4415229.1/29



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.005+/-0.016 χ^2/NDF:15.3/11

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

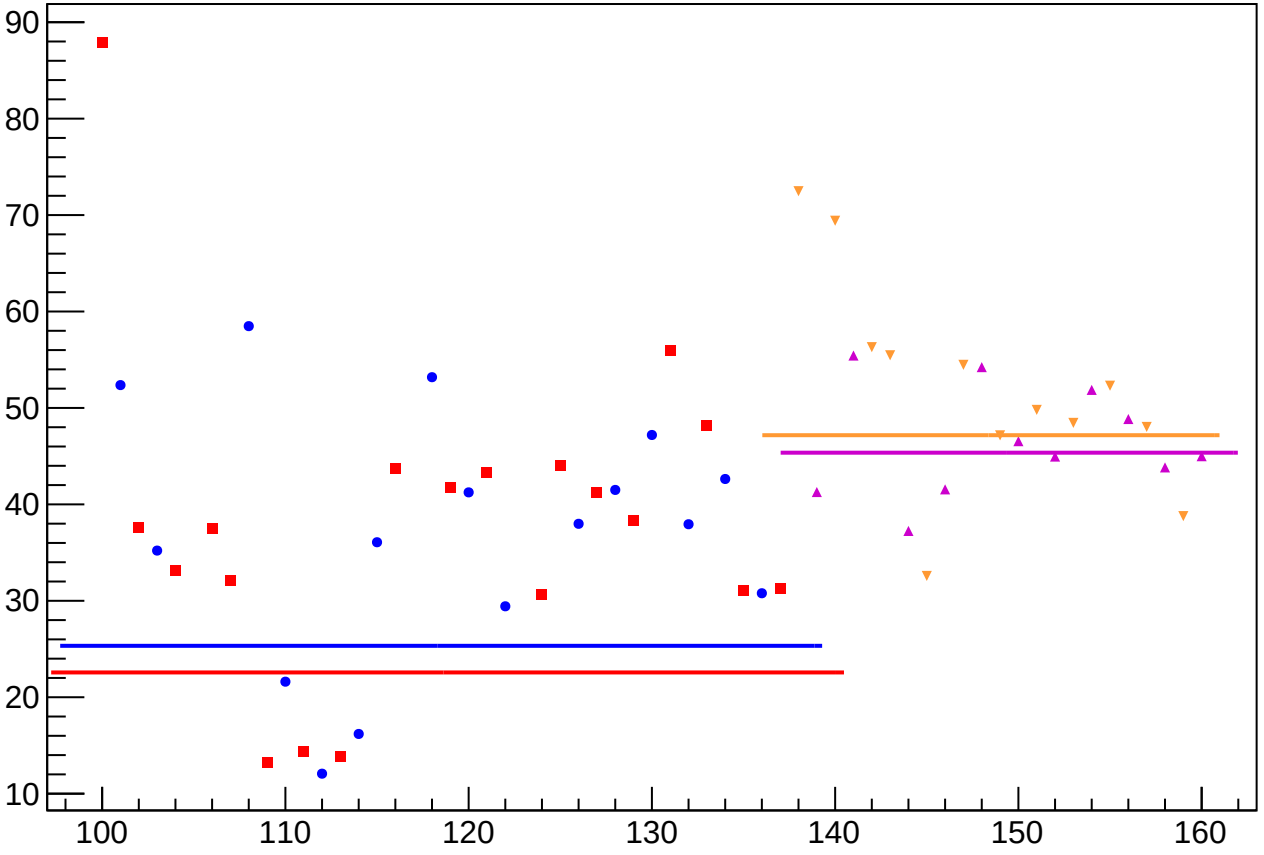
Left In: -0.009+/-0.015 χ^2/NDF:14.0/10

+ sign 0.014+/-0.009 χ^2/NDF: 38.1/27

All: 0.009+/-0.006 χ^2/NDF: 68.1/57

- sign 0.005+/-0.008 χ^2/NDF: 29.4/29

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.173+/-0.011 χ^2/NDF:830666.7/11

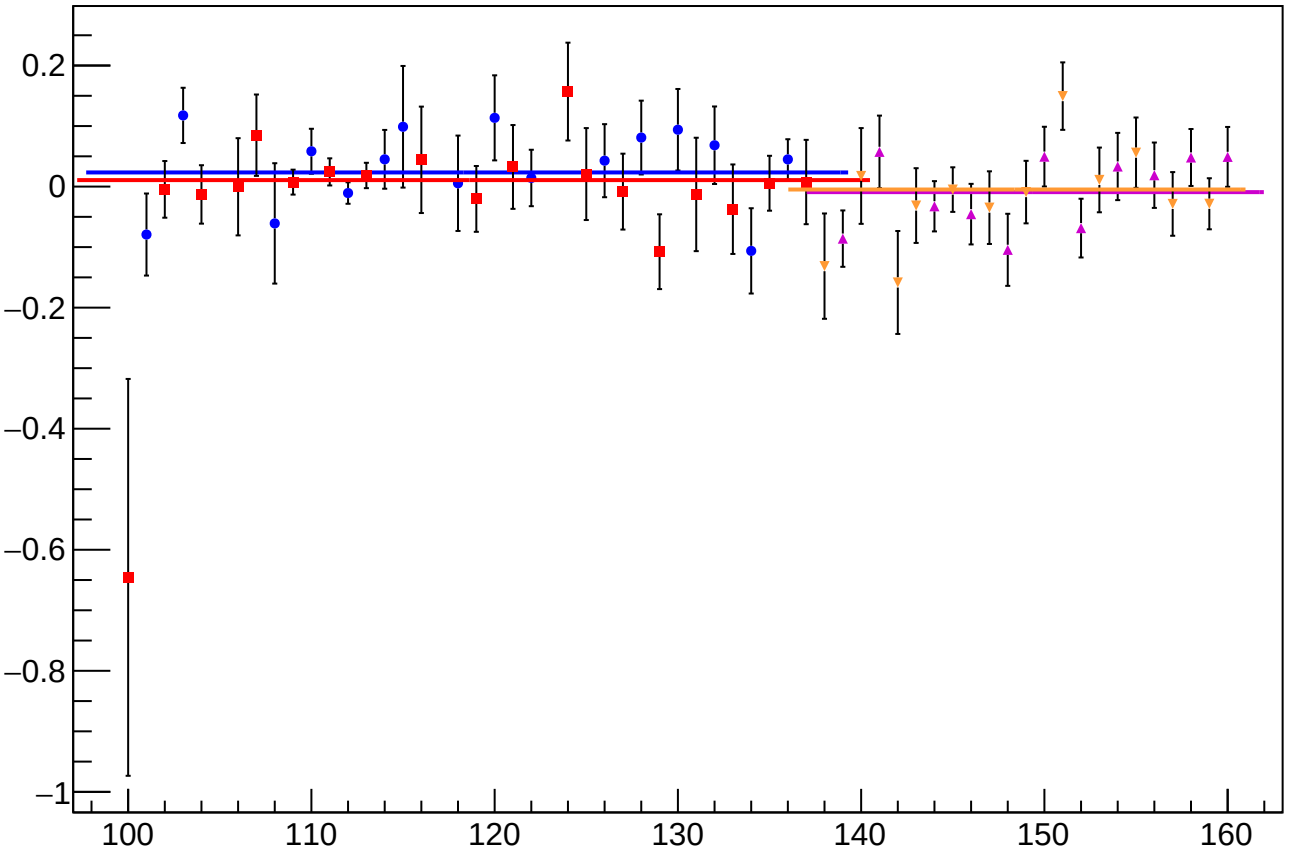
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.360+/-0.011 χ^2/NDF:243659.7/10

+ sign 32.483+/-0.006 χ^2/NDF: 6305910.5/27

All: 30.738+/-0.004 χ^2/NDF: 13018257.2/57

- sign 29.304+/-0.006 χ^2/NDF: 6577635.2/29



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.005+/-0.016 χ^2/NDF:15.3/11

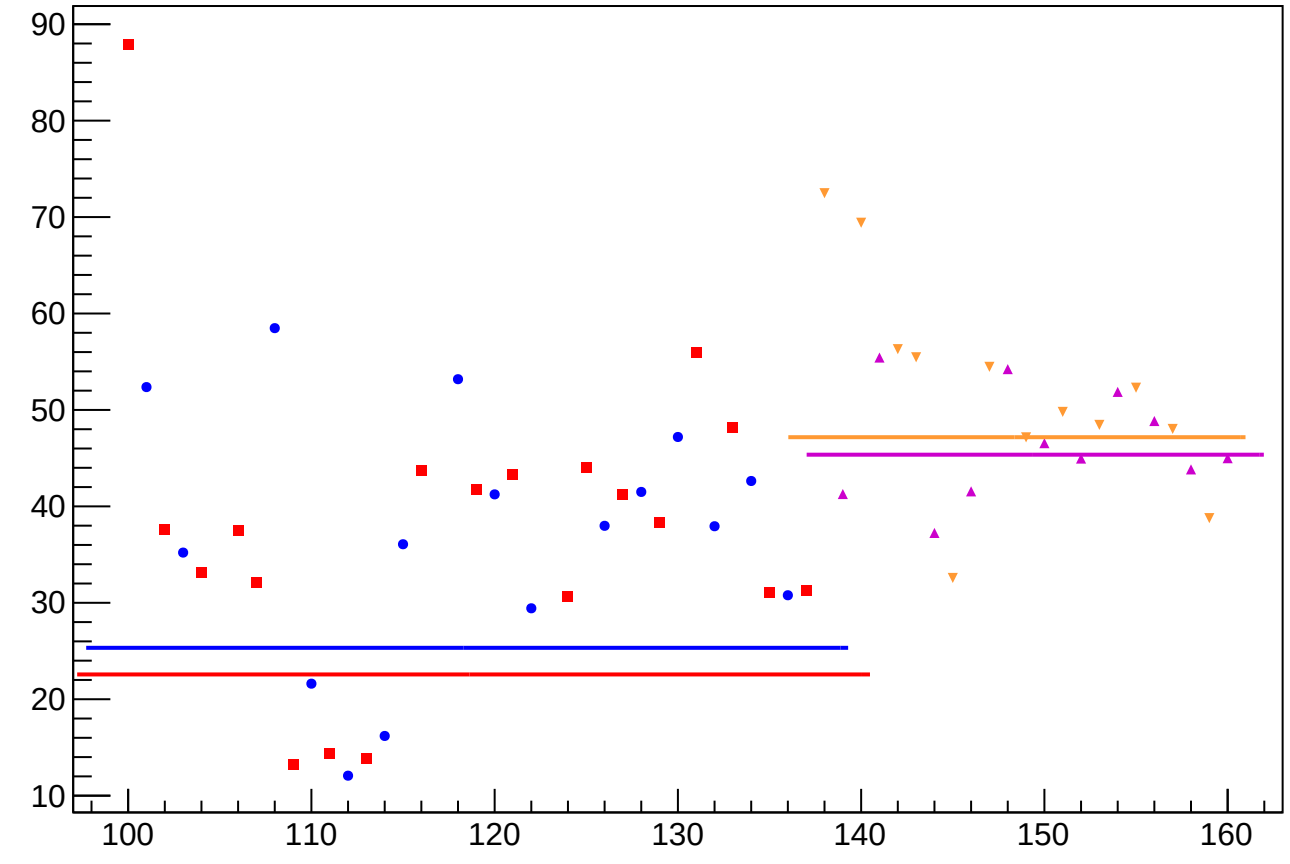
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.009+/-0.015 χ^2/NDF:14.0/10

+ sign 0.014+/-0.009 χ^2/NDF: 38.1/27

All: 0.009+/-0.006 χ^2/NDF: 68.1/57

- 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: 47.173+/-0.011 χ^2/NDF:830666.7/11

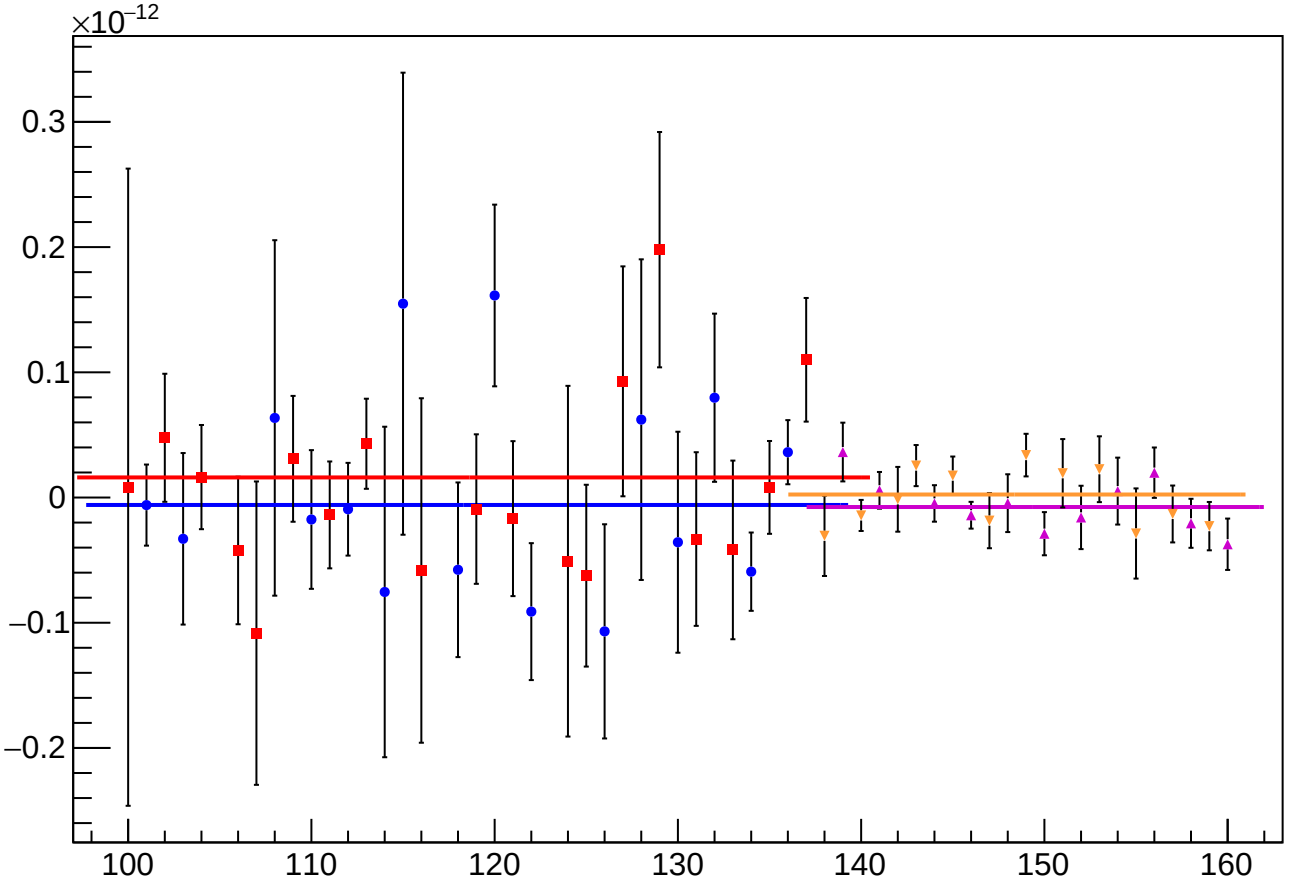
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.360+/-0.011 χ^2/NDF:243659.7/10

+ sign 32.483+/-0.006 χ^2/NDF: 6305910.5/27

All: 30.738+/-0.004 χ^2/NDF: 13018257.2/57

- 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:14.1/11

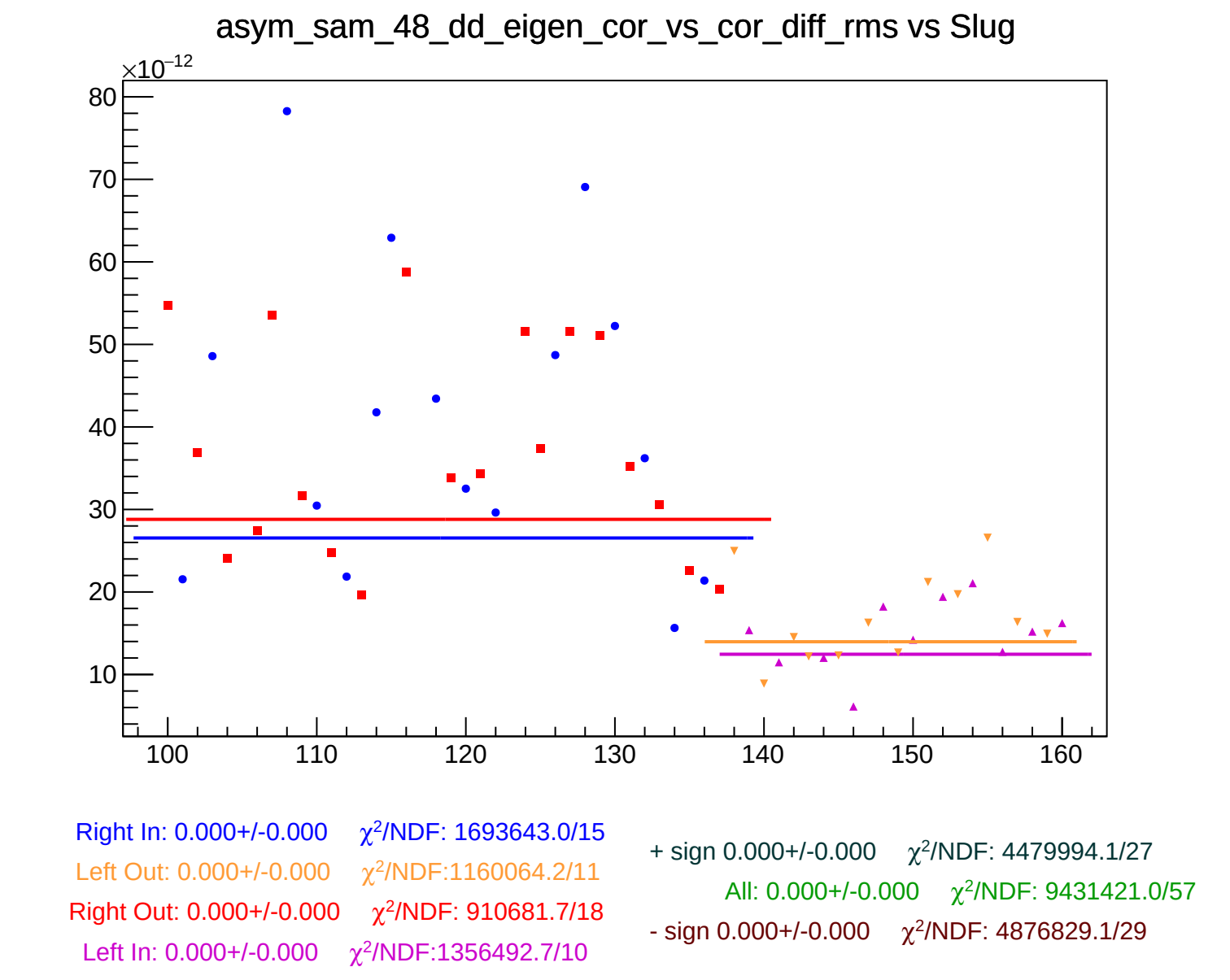
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/10

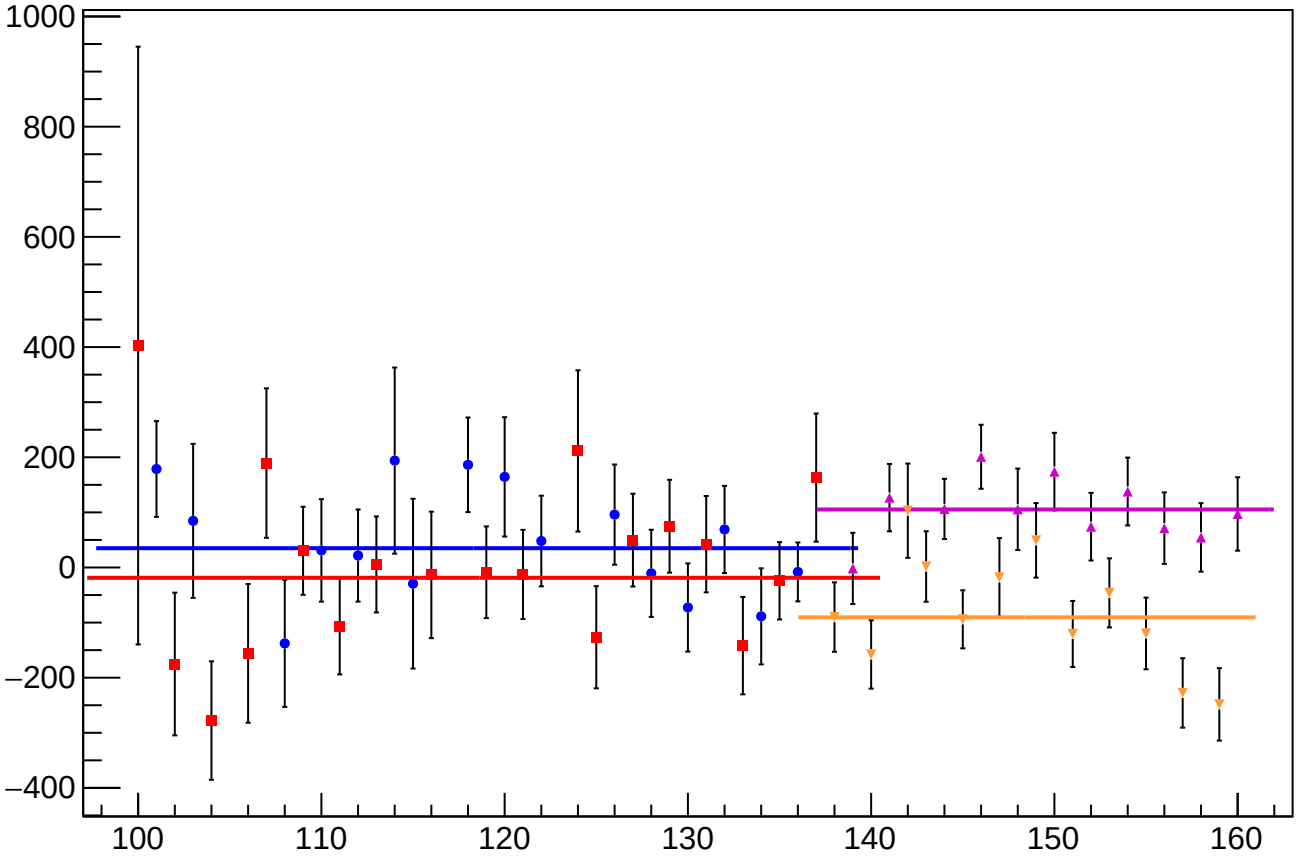
+ sign 0.000+/-0.000 χ^2/NDF: 33.2/27

All: -0.000+/-0.000 χ^2/NDF: 62.5/57

- sign -0.000+/-0.000 χ^2/NDF: 28.7/29


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1160064.2/11
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1356492.7/10
+ sign 0.000+/-0.000 χ²/NDF: 4479994.1/27
All: 0.000+/-0.000 χ²/NDF: 9431421.0/57
- sign 0.000+/-0.000 χ²/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: -90.472+/-18.505 χ^2/NDF:25.2/11

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

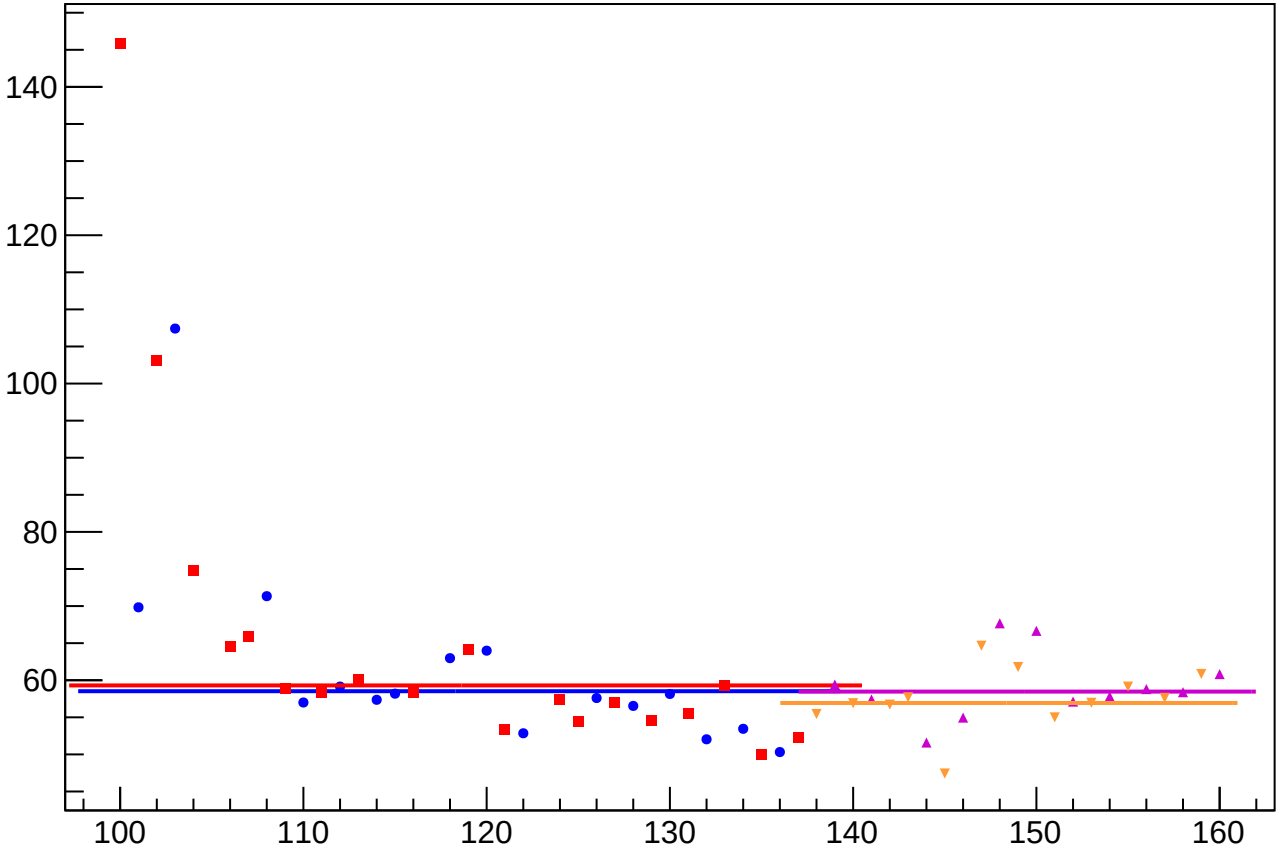
Left In: 105.297+/-18.987 χ^2/NDF:8.0/10

+ sign -38.845+/-14.197 χ^2/NDF: 60.3/27

All: 6.260+/-10.114 χ^2/NDF: 130.4/57

- 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: 56.934+/-0.013 χ^2/NDF:112024.3/11

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

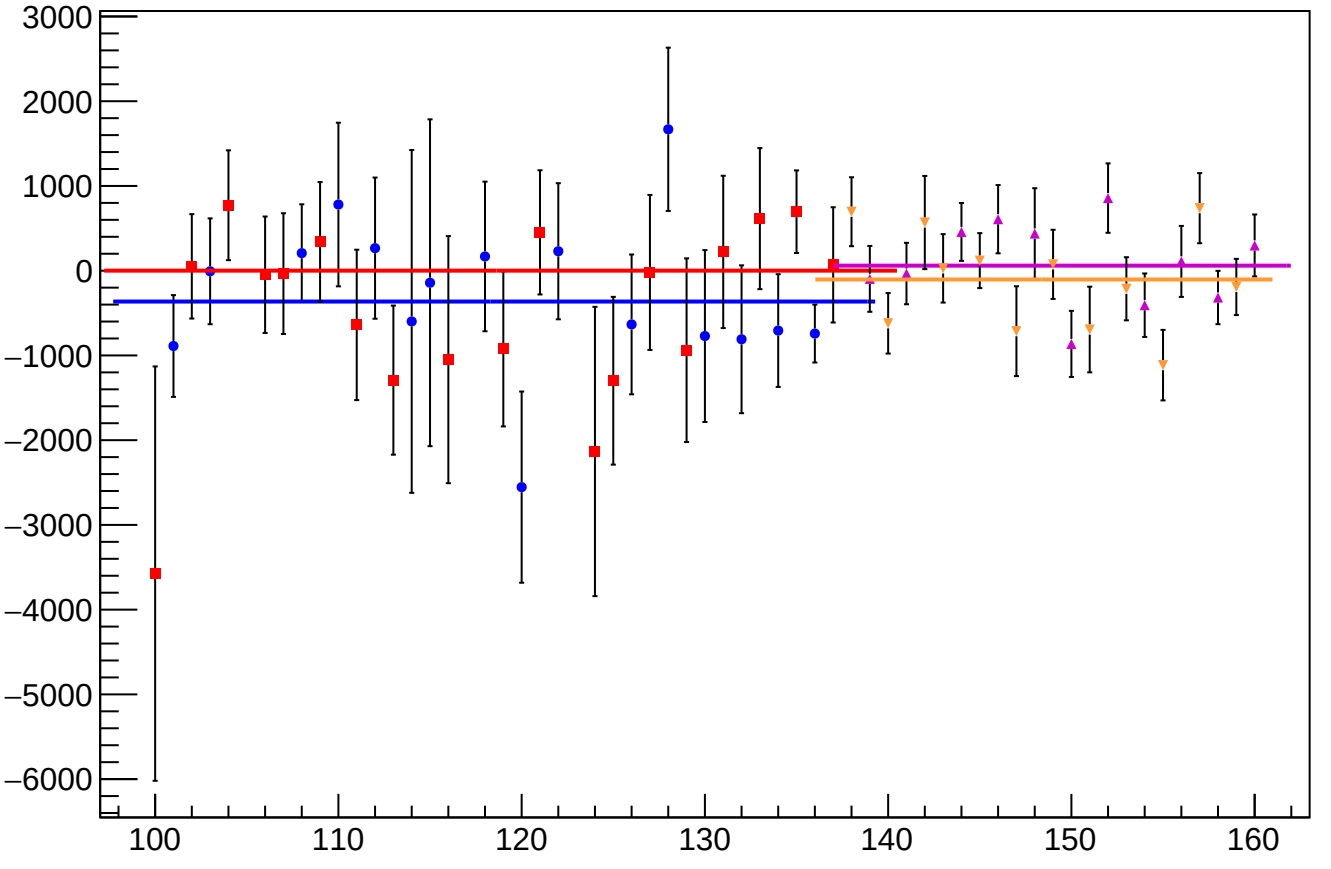
Left In: 58.469+/-0.013 χ^2/NDF:101782.7/10

+ sign 57.587+/-0.010 χ^2/NDF: 510823.6/27

All: 58.195+/-0.007 χ^2/NDF: 1028296.6/57

- sign 58.822+/-0.010 χ^2/NDF: 510021.6/29

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -103.810+/-116.054 χ^2/NDF:21.1/11

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

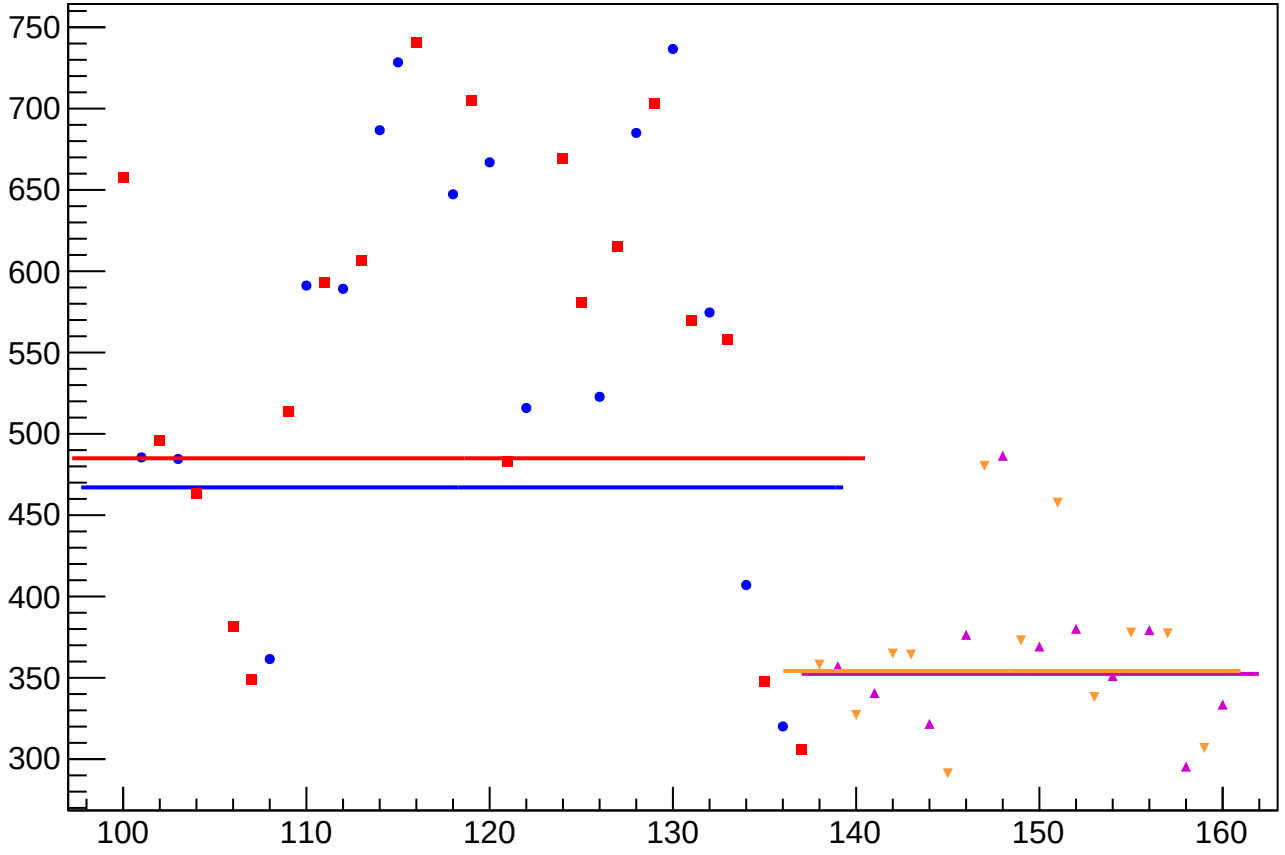
Left In: 59.525+/-115.169 χ^2/NDF:16.8/10

+ sign -179.874+/-97.634 χ^2/NDF: 37.8/27

All: -68.362+/-68.985 χ^2/NDF: 72.3/57

- 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: 354.205+/-0.082 χ^2/NDF:347383.0/11

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

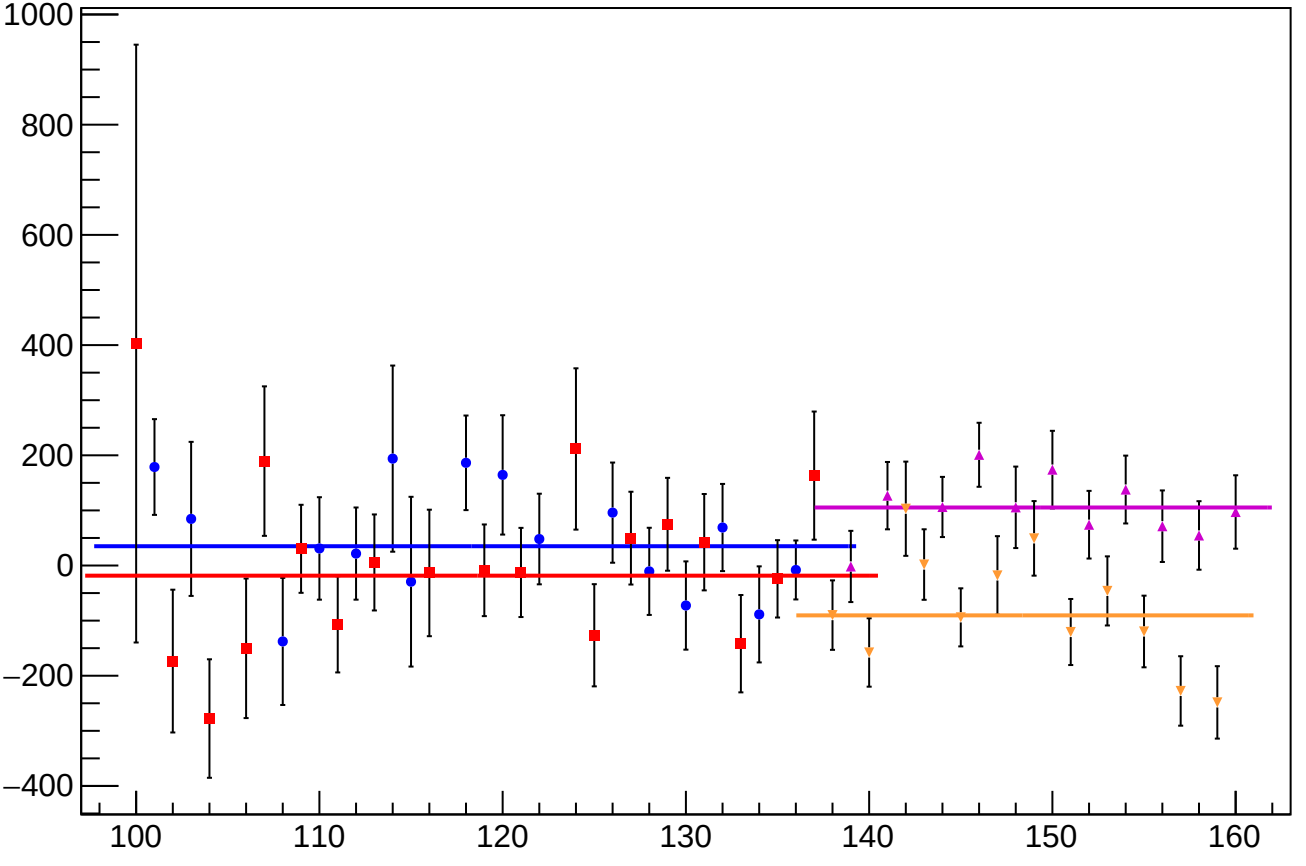
Left In: 352.398+/-0.081 χ^2/NDF:243471.6/10

+ sign 387.190+/-0.069 χ^2/NDF: 1930466.6/27

All: 388.590+/-0.049 χ^2/NDF: 3800334.7/57

- 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: -90.468+/-18.505 χ^2/NDF:25.2/11

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

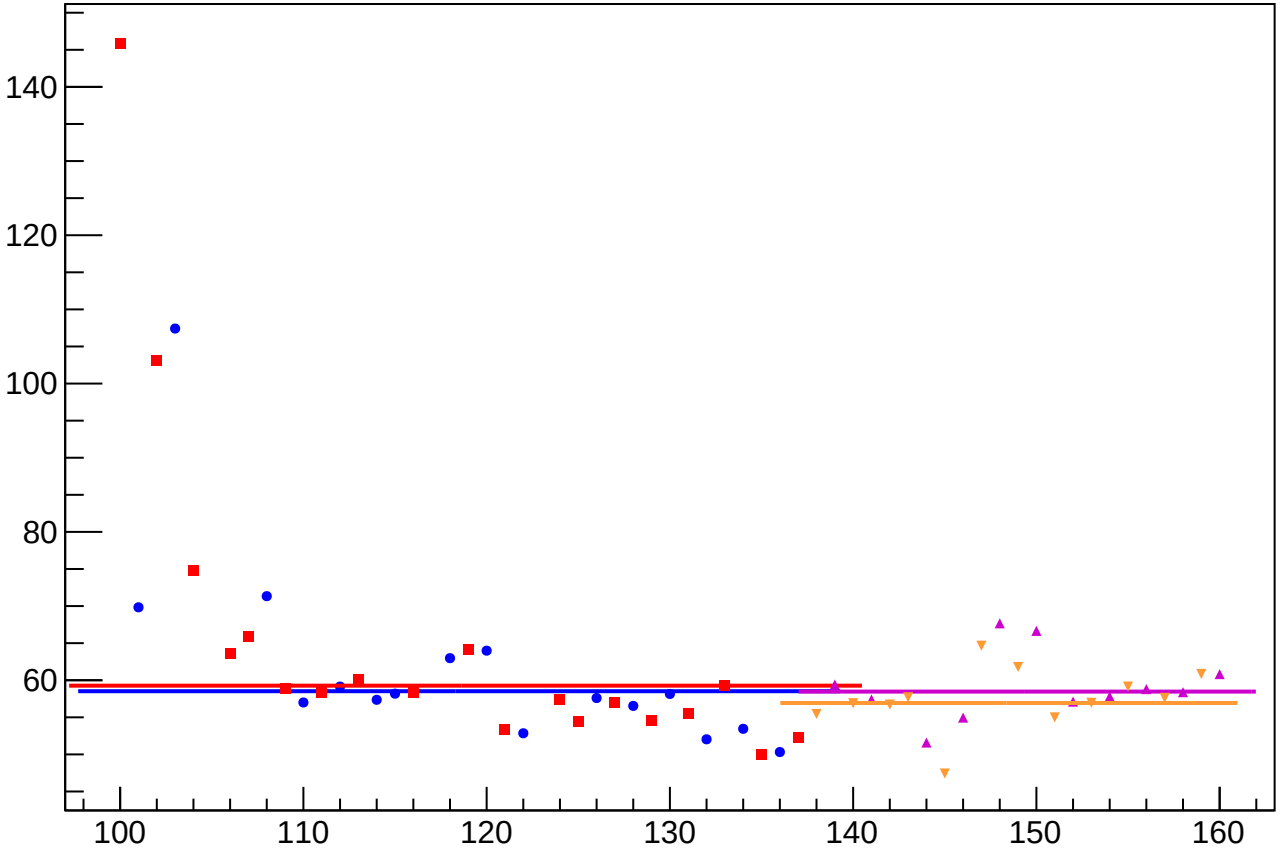
Left In: 105.298+/-18.987 χ^2/NDF:8.0/10

+ sign -38.844+/-14.197 χ^2/NDF: 60.3/27

All: 6.320+/-10.114 χ^2/NDF: 130.2/57

- 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: 56.934+/-0.013 χ^2/NDF:112024.3/11

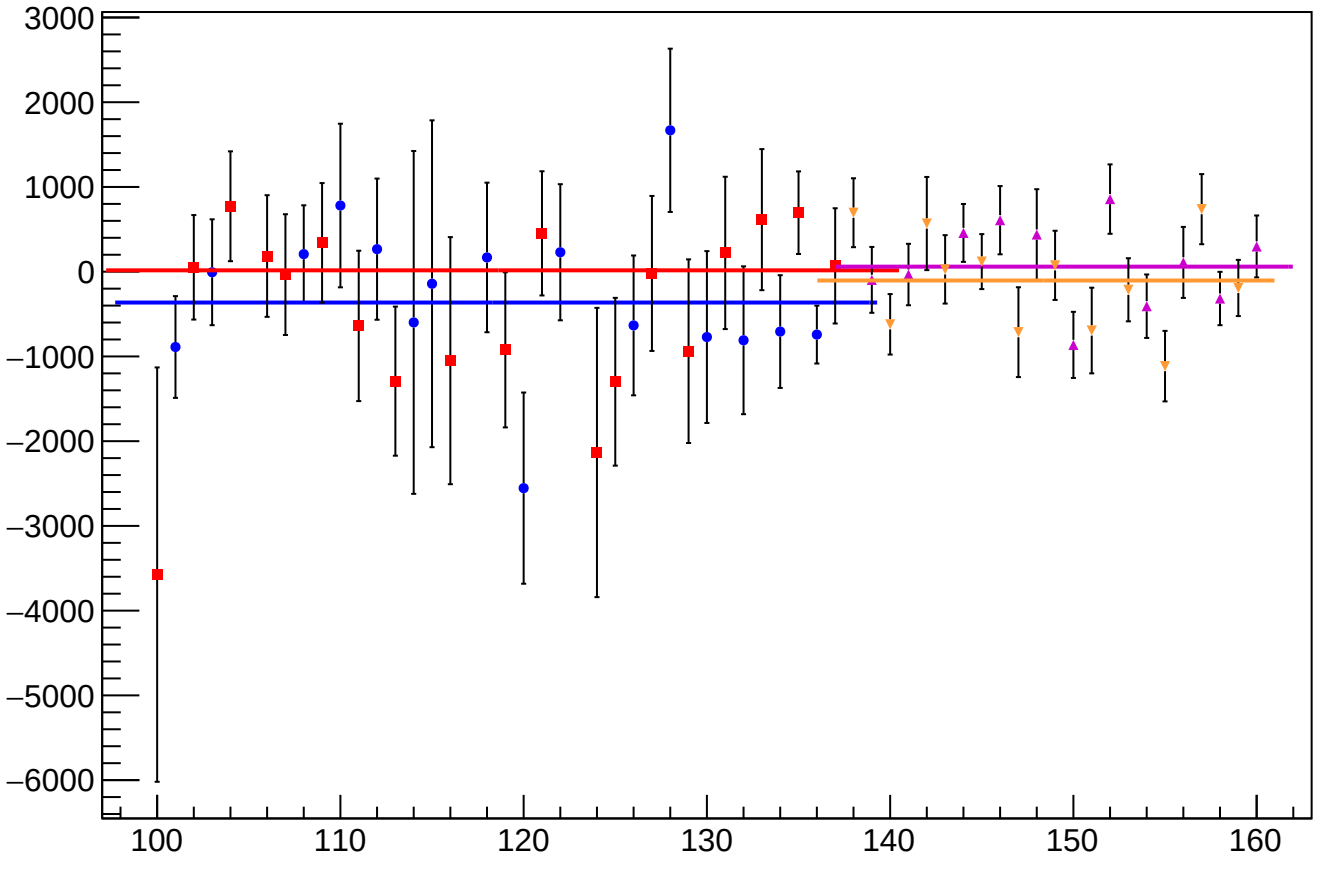
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.469+/-0.013 χ^2/NDF:101782.7/10

+ sign 57.587+/-0.010 χ^2/NDF: 510825.7/27

All: 58.189+/-0.007 χ^2/NDF: 1027017.6/57

- 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: -103.809+/-116.054 χ^2/NDF:21.1/11

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

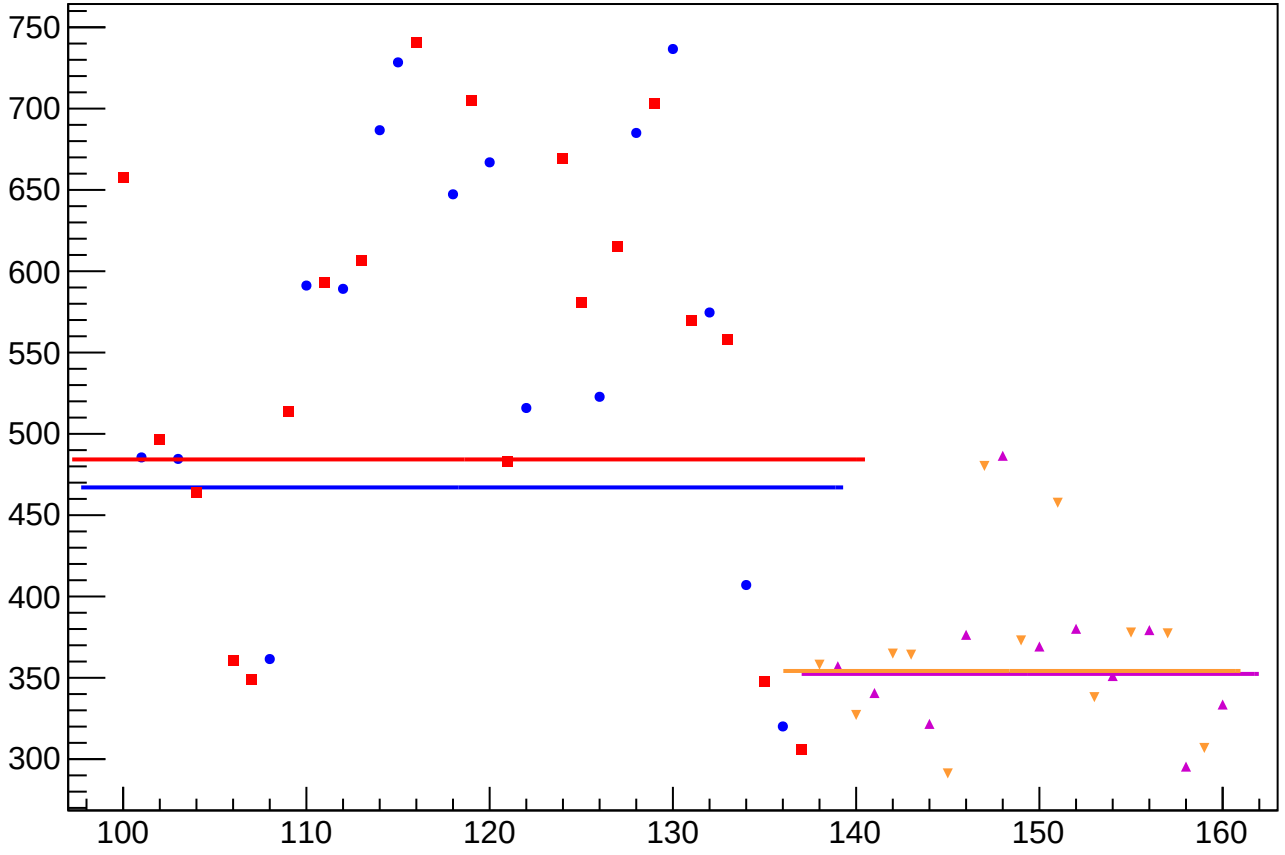
Left In: 59.524+/-115.169 χ^2/NDF:16.8/10

+ sign -179.862+/-97.634 χ^2/NDF: 37.8/27

All: -66.225+/-69.015 χ^2/NDF: 72.5/57

- 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: 354.205+/-0.082 χ^2/NDF:347384.0/11

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

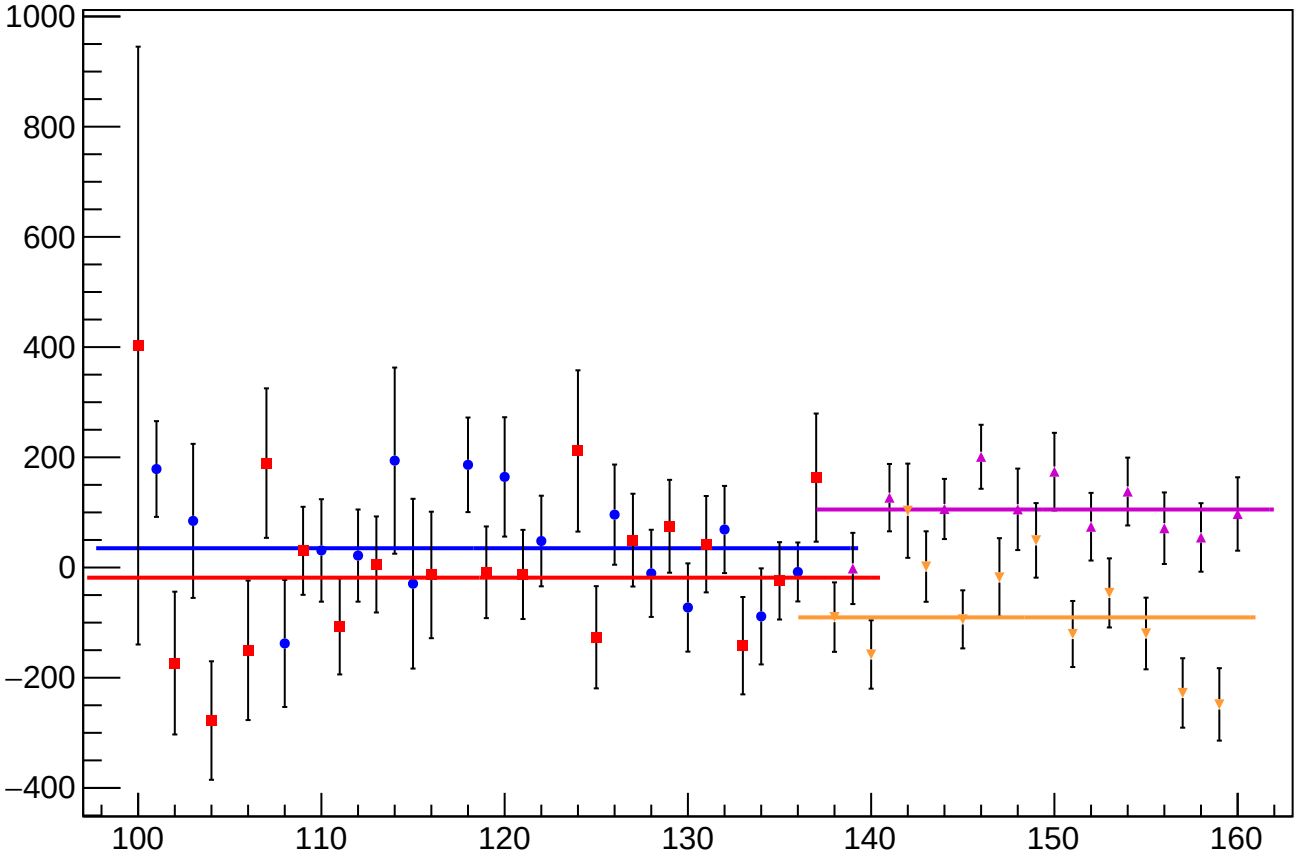
Left In: 352.398+/-0.081 χ^2/NDF:243471.9/10

\+ sign 387.190+/-0.069 χ^2/NDF: 1930490.9/27

All: 388.407+/-0.049 χ^2/NDF: 3803568.0/57

\- 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: -90.468+/-18.505 χ^2/NDF:25.2/11

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

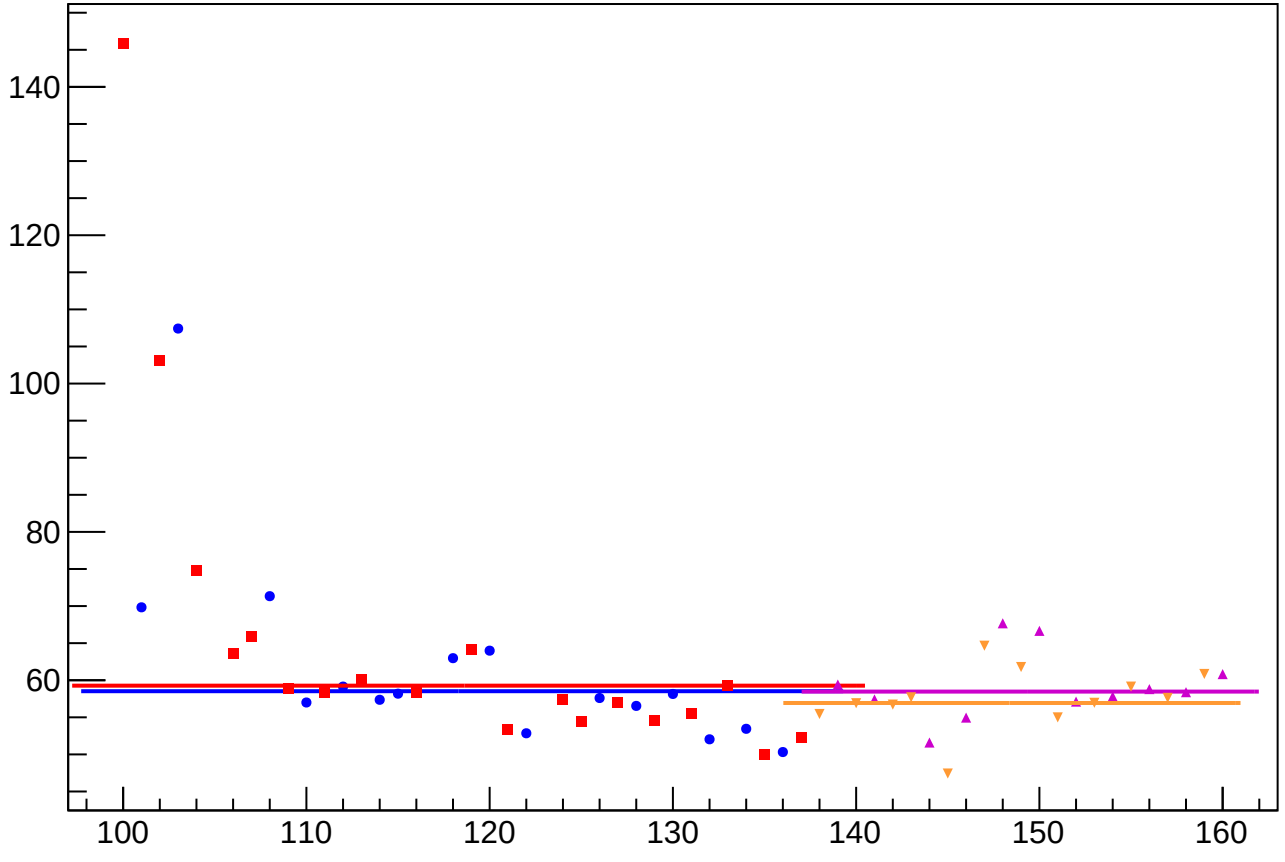
Left In: 105.298+/-18.987 χ^2/NDF:8.0/10

+ sign -38.844+/-14.197 χ^2/NDF: 60.3/27

All: 6.320+/-10.114 χ^2/NDF: 130.2/57

- 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: 56.934+/-0.013 χ^2/NDF:112024.3/11

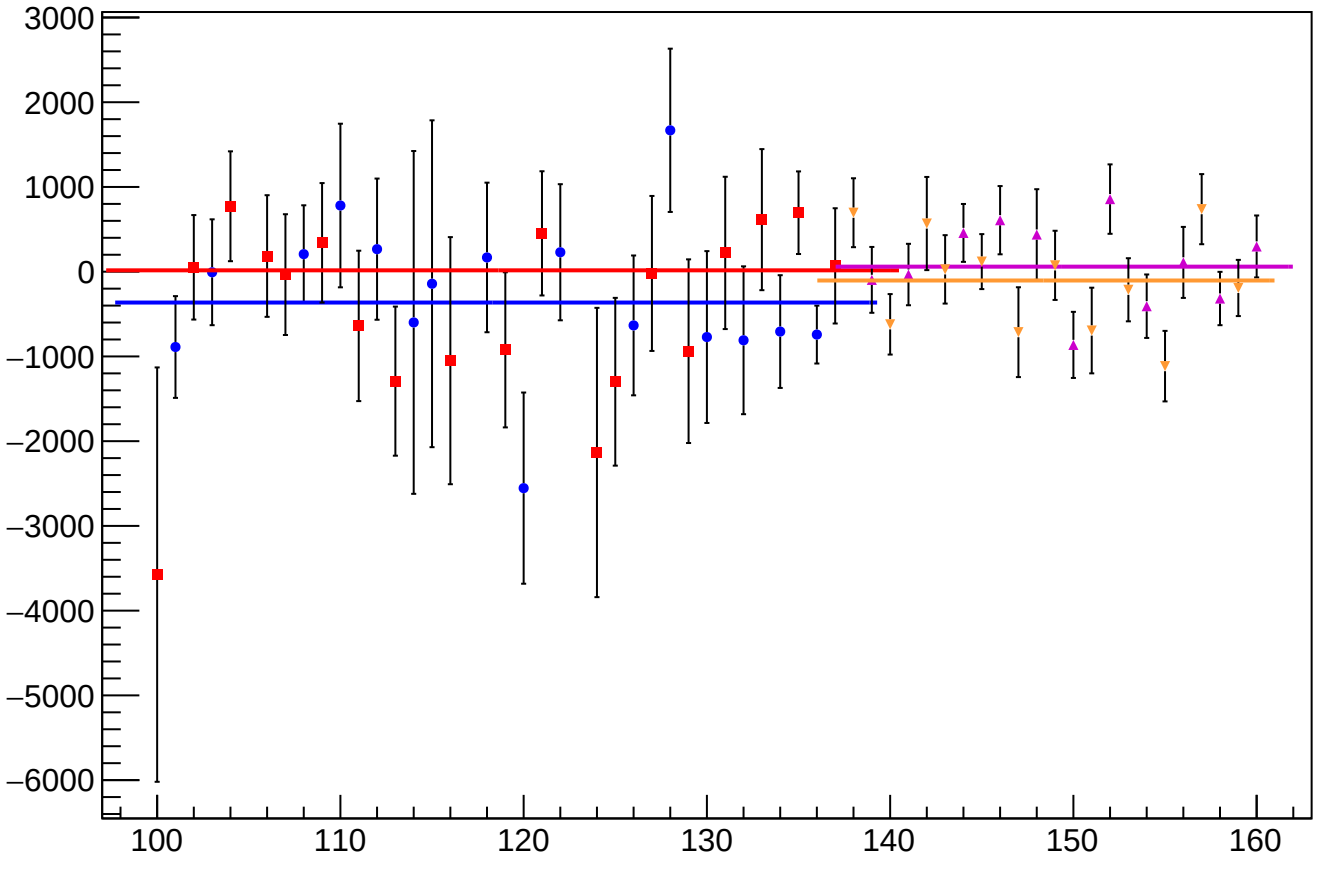
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.469+/-0.013 χ^2/NDF:101782.7/10

+ sign 57.587+/-0.010 χ^2/NDF: 510825.7/27

All: 58.189+/-0.007 χ^2/NDF: 1027017.6/57

- 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: -103.809+/-116.054 χ^2/NDF:21.1/11

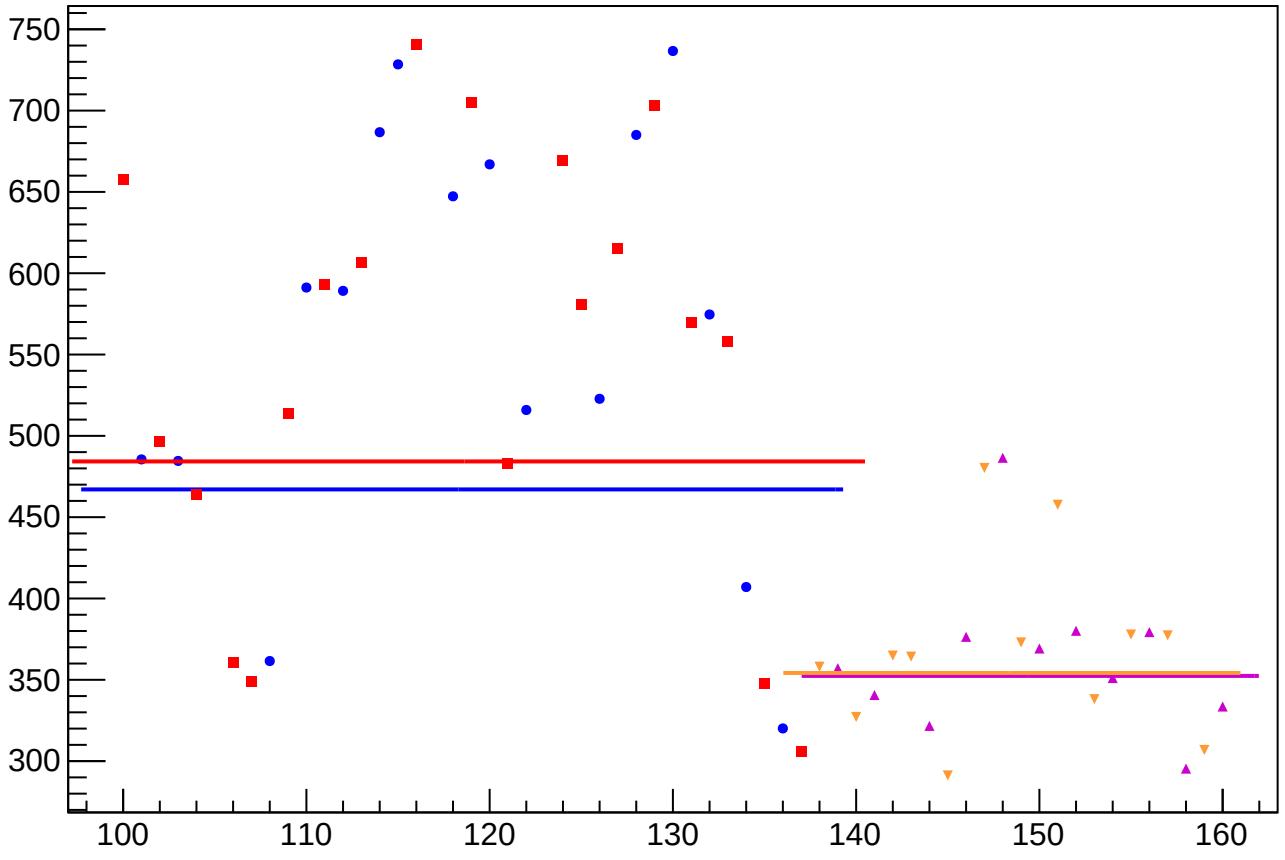
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 59.524+/-115.169 χ^2/NDF:16.8/10

+ sign -179.862+/-97.634 χ^2/NDF: 37.8/27

All: -66.225+/-69.015 χ^2/NDF: 72.5/57

- sign 47.264+/-97.570 χ^2/NDF: 31.9/29



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 354.205+/-0.082 χ^2/NDF:347384.0/11

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

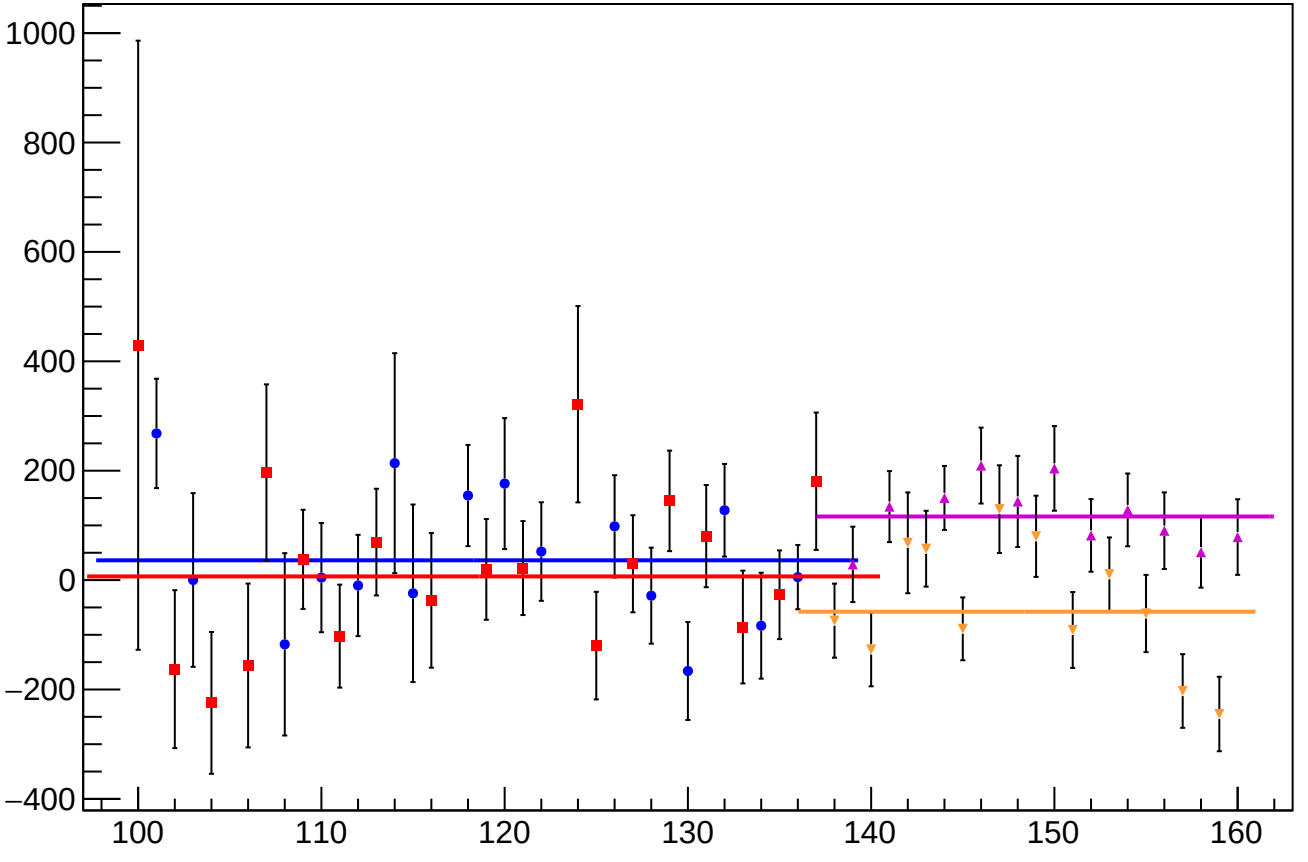
Left In: 352.398+/-0.081 χ^2/NDF:243471.9/10

+ sign 387.190+/-0.069 χ^2/NDF: 1930490.9/27

All: 388.407+/-0.049 χ^2/NDF: 3803568.0/57

- 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: -57.798+/-20.122 χ^2/NDF:28.4/11

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

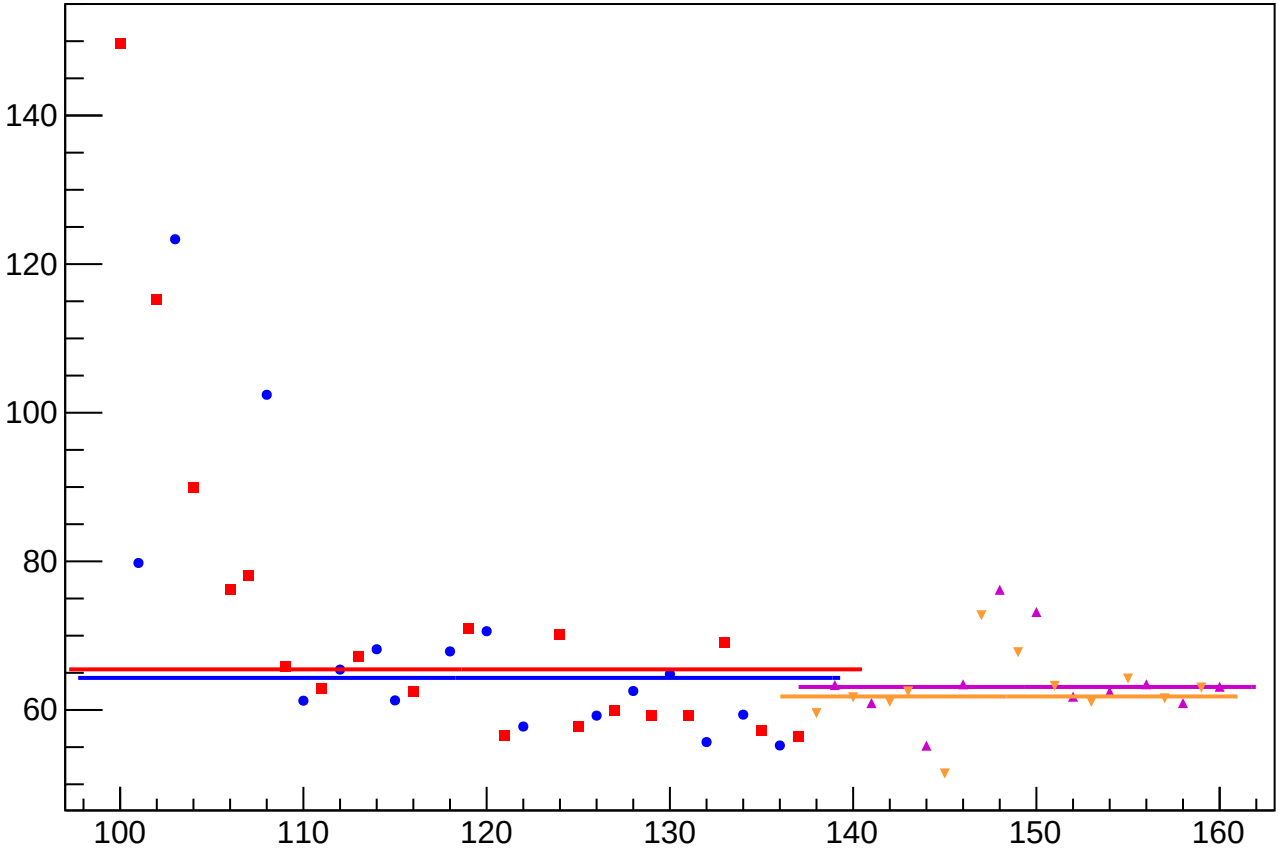
Left In: 116.297+/-20.574 χ^2/NDF:7.0/10

+ sign -19.898+/-15.542 χ^2/NDF: 56.8/27

All: 24.944+/-11.071 χ^2/NDF: 112.8/57

- 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: 61.817+/-0.014 χ^2/NDF:121673.1/11

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

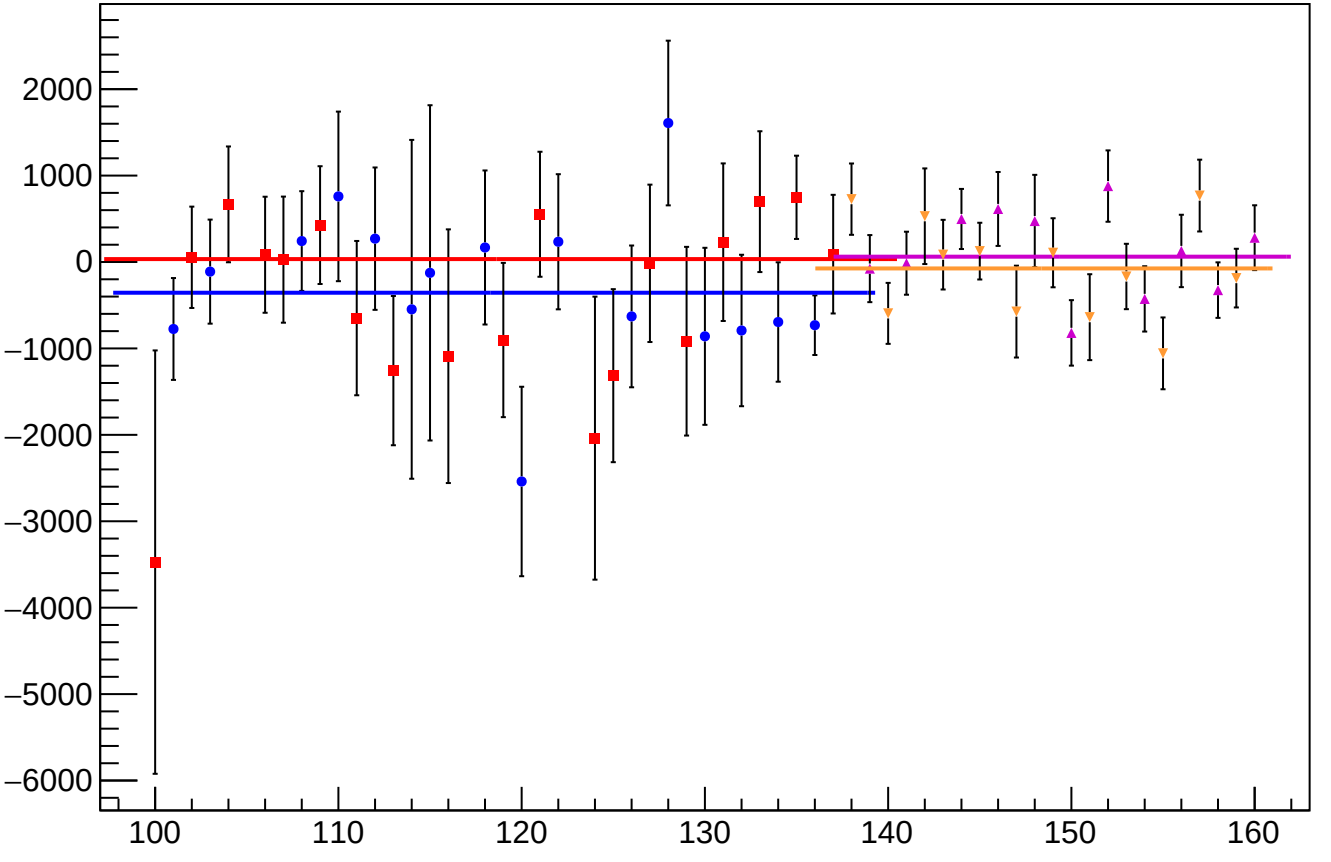
Left In: 63.097+/-0.015 χ^2/NDF:125412.8/10

\+ sign 62.825+/-0.011 χ^2/NDF: 666185.7/27

All: 63.440+/-0.008 χ^2/NDF: 1291249.7/57

\- sign 64.074+/-0.011 χ^2/NDF: 618703.2/29

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -74.462+/-116.472 χ^2/NDF:19.9/11

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

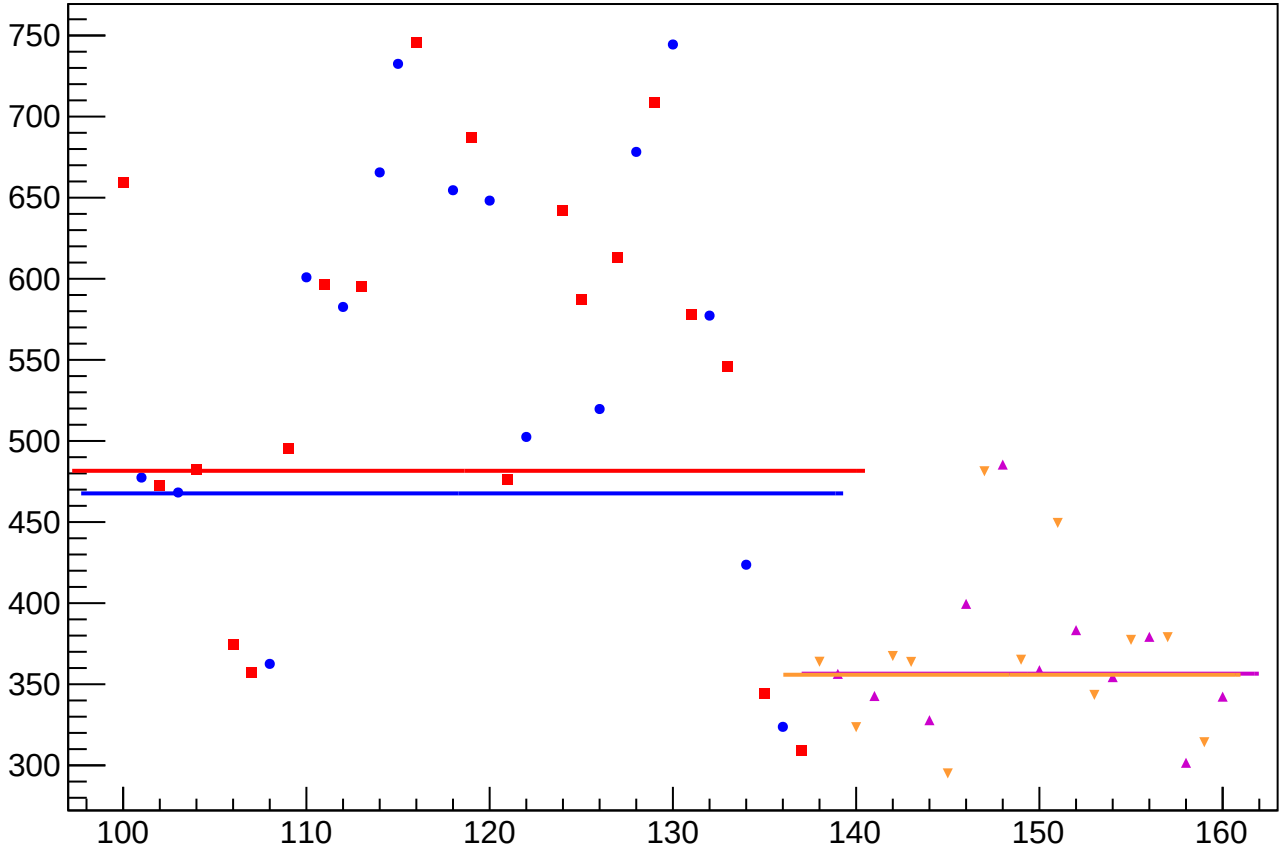
Left In: 61.656+/-116.458 χ^2/NDF:16.8/10

+ sign -157.196+/-97.840 χ^2/NDF: 36.4/27

All: -52.032+/-69.249 χ^2/NDF: 71.0/57

- 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: 355.867+/-0.082 χ^2/NDF:315099.3/11

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

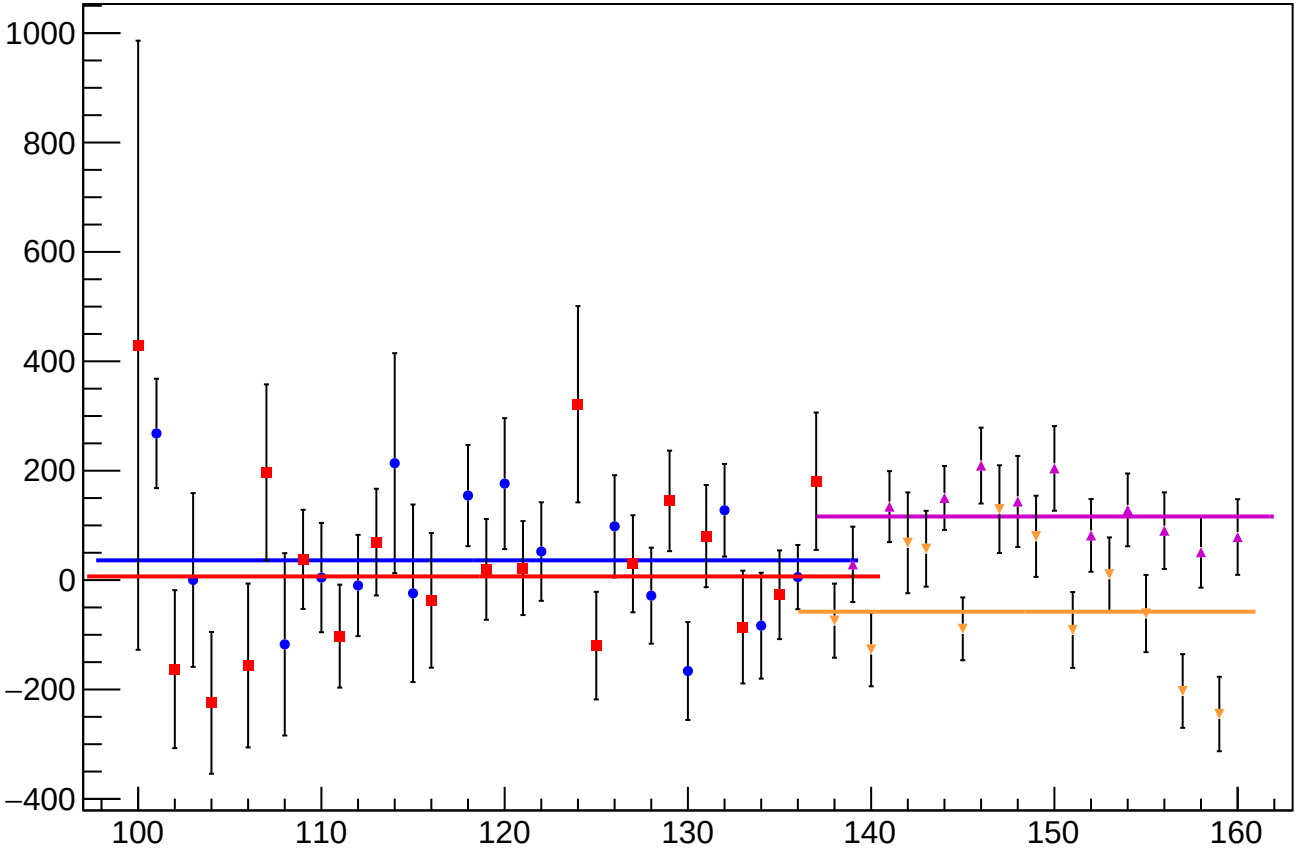
Left In: 356.522+/-0.082 χ^2/NDF:229002.0/10

\+ sign 388.778+/-0.069 χ^2/NDF: 1843547.2/27

All: 390.876+/-0.049 χ^2/NDF: 3601161.2/57

\- 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: -57.797+/-20.122 χ^2/NDF:28.4/11

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

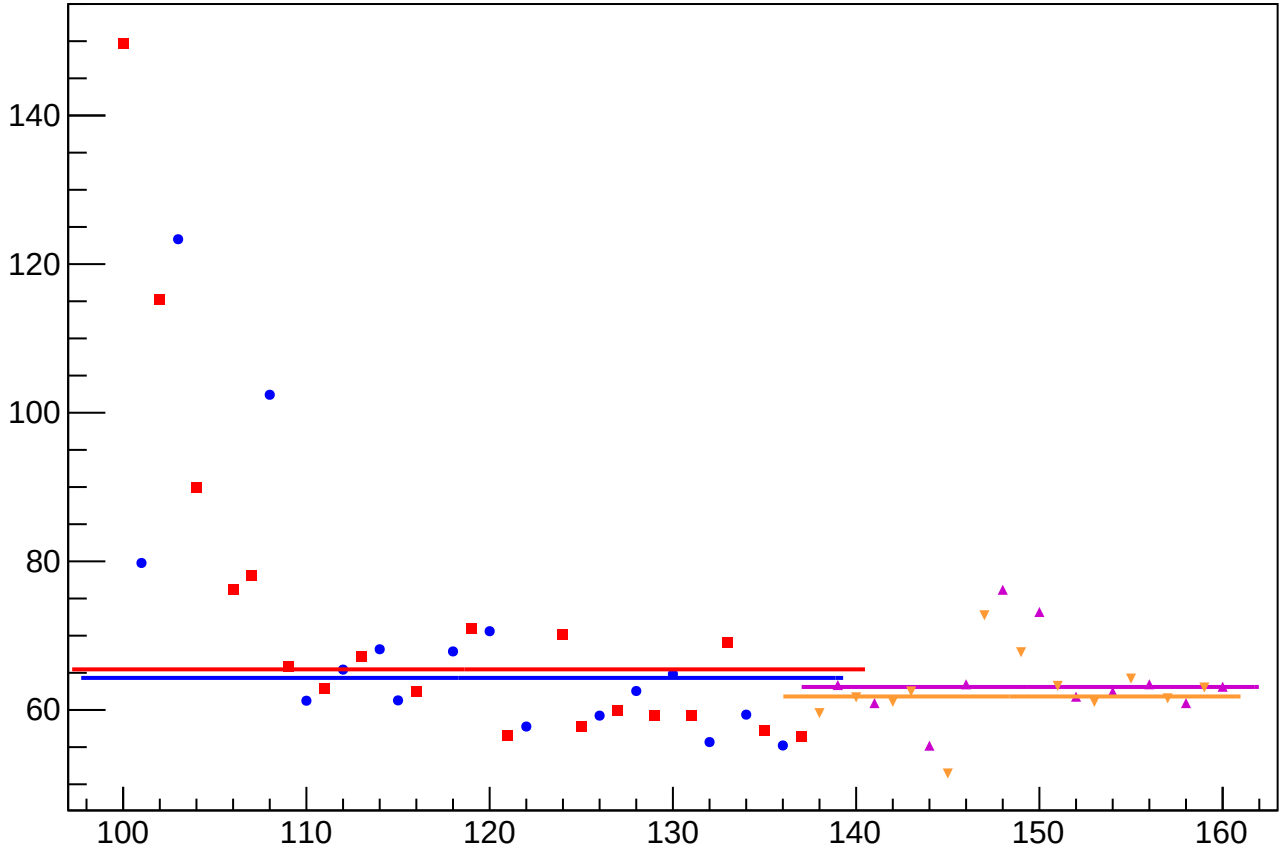
Left In: 116.297+/-20.574 χ^2/NDF:7.0/10

+ sign -19.897+/-15.542 χ^2/NDF: 56.8/27

All: 24.945+/-11.071 χ^2/NDF: 112.8/57

- 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: 61.817+/-0.014 χ^2/NDF:121676.1/11

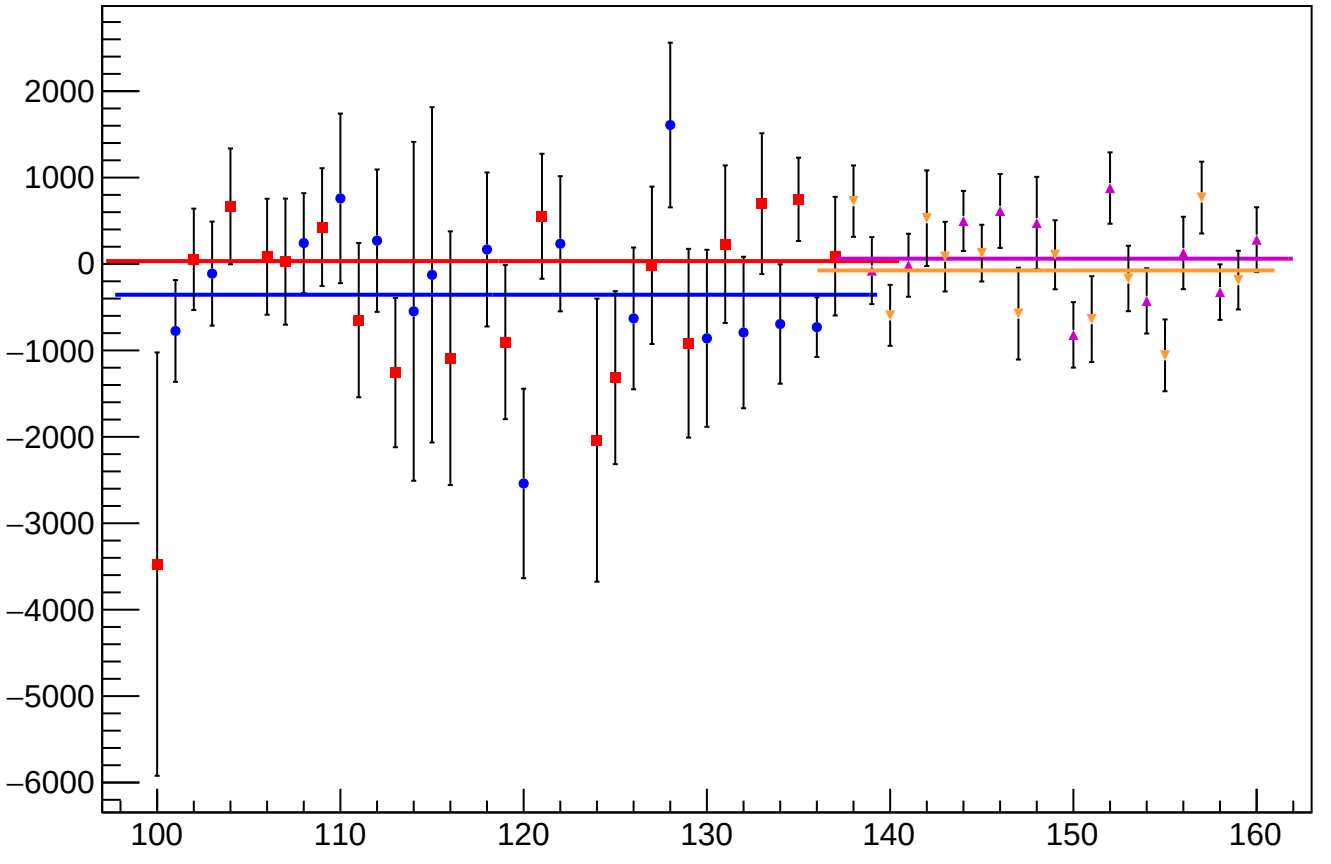
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.097+/-0.015 χ^2/NDF:125415.2/10

+ sign 62.825+/-0.011 χ^2/NDF: 666195.0/27

All: 63.440+/-0.008 χ^2/NDF: 1291265.7/57

- 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: -74.461+/-116.472 χ^2/NDF:19.9/11

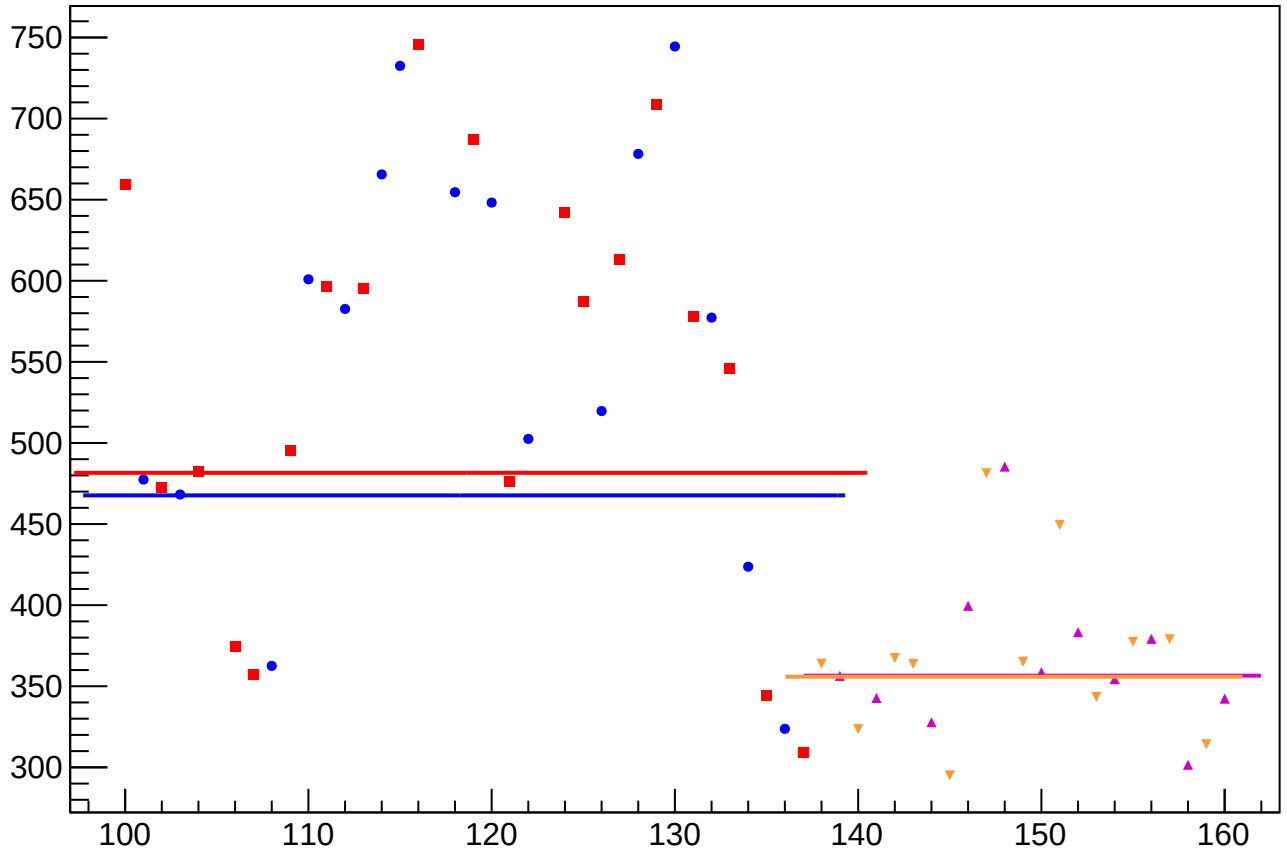
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 61.656+/-116.458 χ^2/NDF:16.8/10

+ sign -157.195+/-97.840 χ^2/NDF: 36.4/27

All: -52.031+/-69.249 χ^2/NDF: 71.0/57

- 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: 355.867+/-0.082 χ^2/NDF:315099.6/11

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

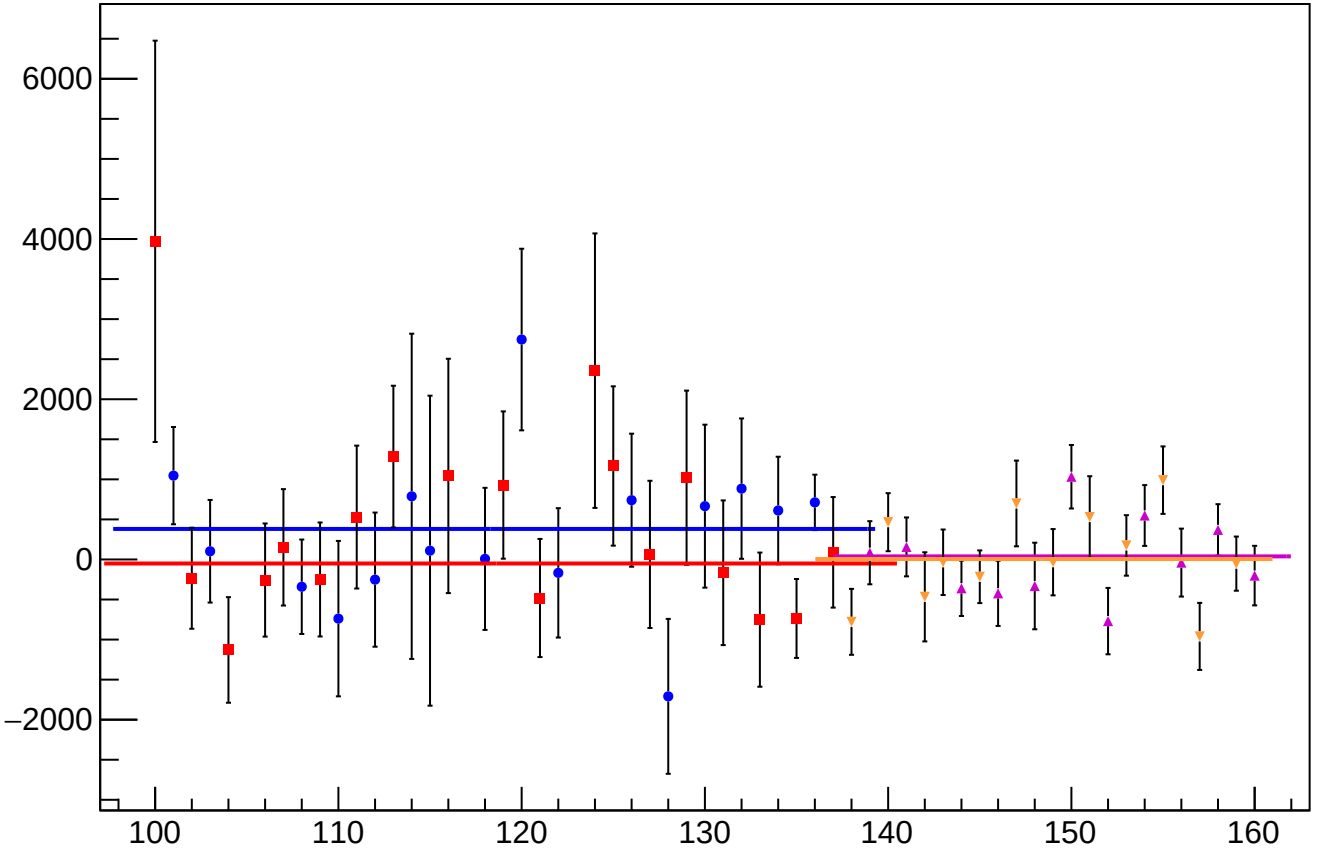
Left In: 356.522+/-0.082 χ^2/NDF:229003.0/10

+ sign 388.778+/-0.069 χ^2/NDF: 1843543.0/27

All: 390.876+/-0.049 χ^2/NDF: 3601149.1/57

- 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: 5.368+/-117.622 χ^2/NDF:20.2/11

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

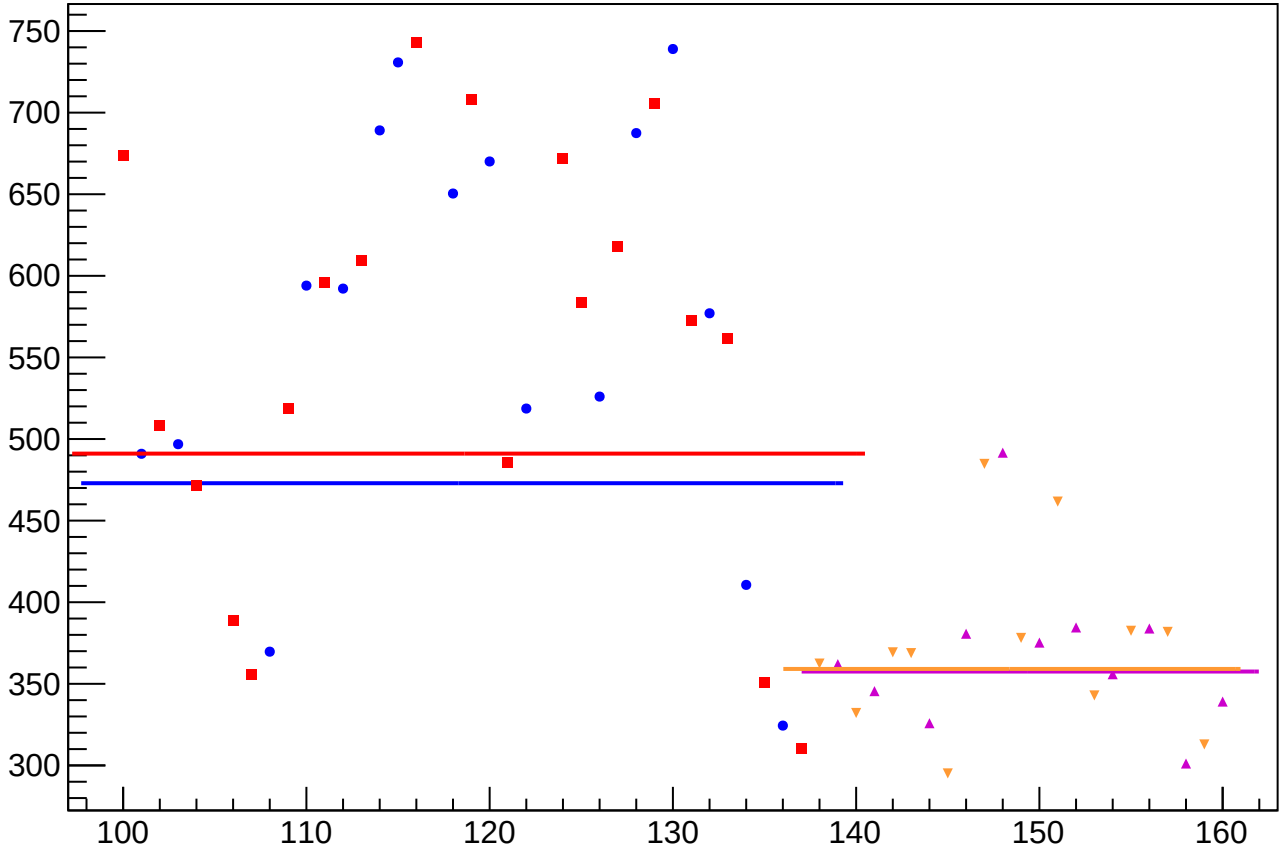
Left In: 38.559+/-116.808 χ^2/NDF:16.6/10

+ sign 115.501+/-98.892 χ^2/NDF: 39.3/27

All: 64.335+/-69.897 χ^2/NDF: 74.1/57

- 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: 359.119+/-0.083 χ^2/NDF:337552.6/11

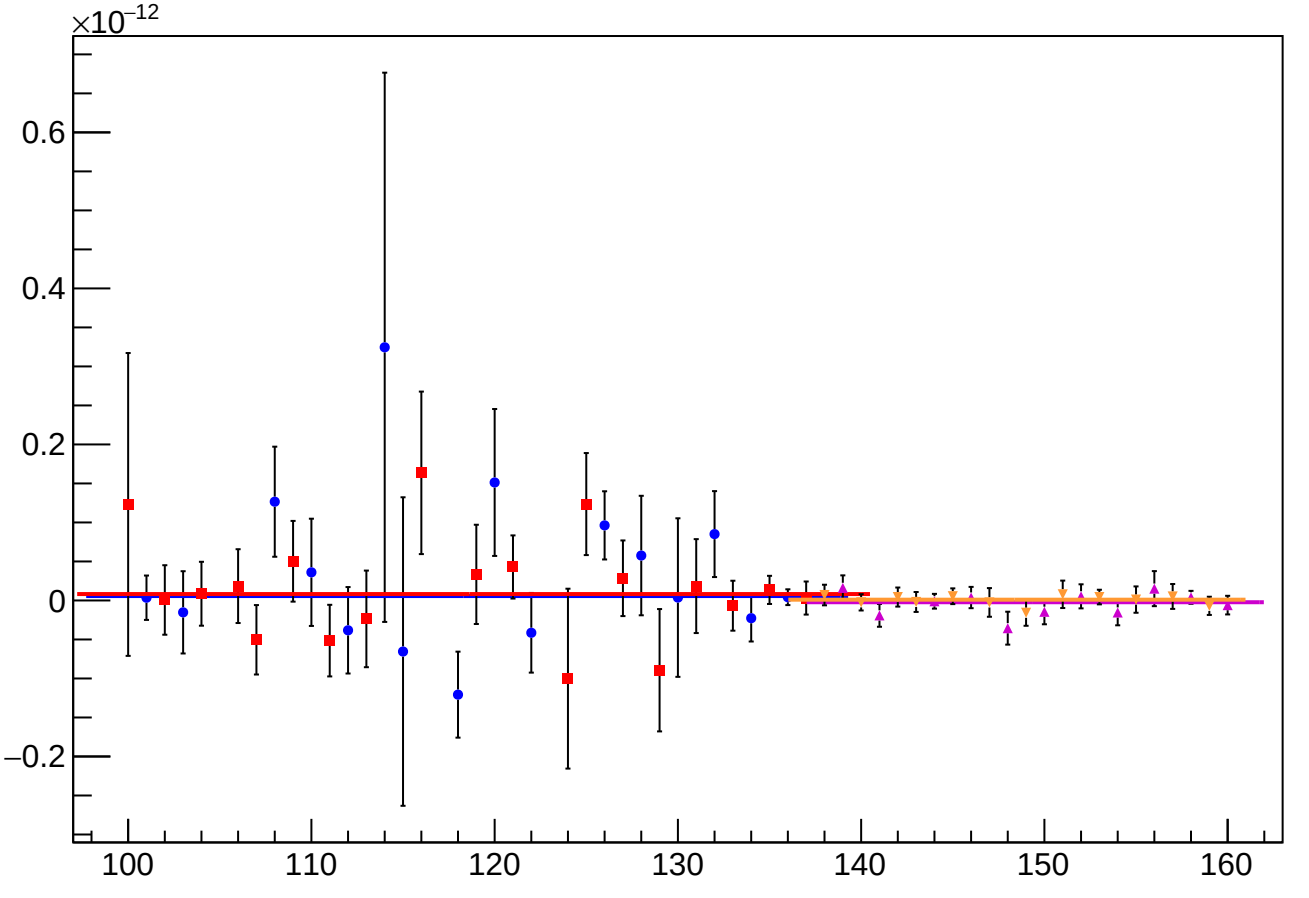
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 357.527+/-0.083 χ^2/NDF:235636.7/10

+ sign 392.478+/-0.070 χ^2/NDF: 1886653.1/27

All: 393.996+/-0.049 χ^2/NDF: 3714247.0/57

- 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:2.5/11

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

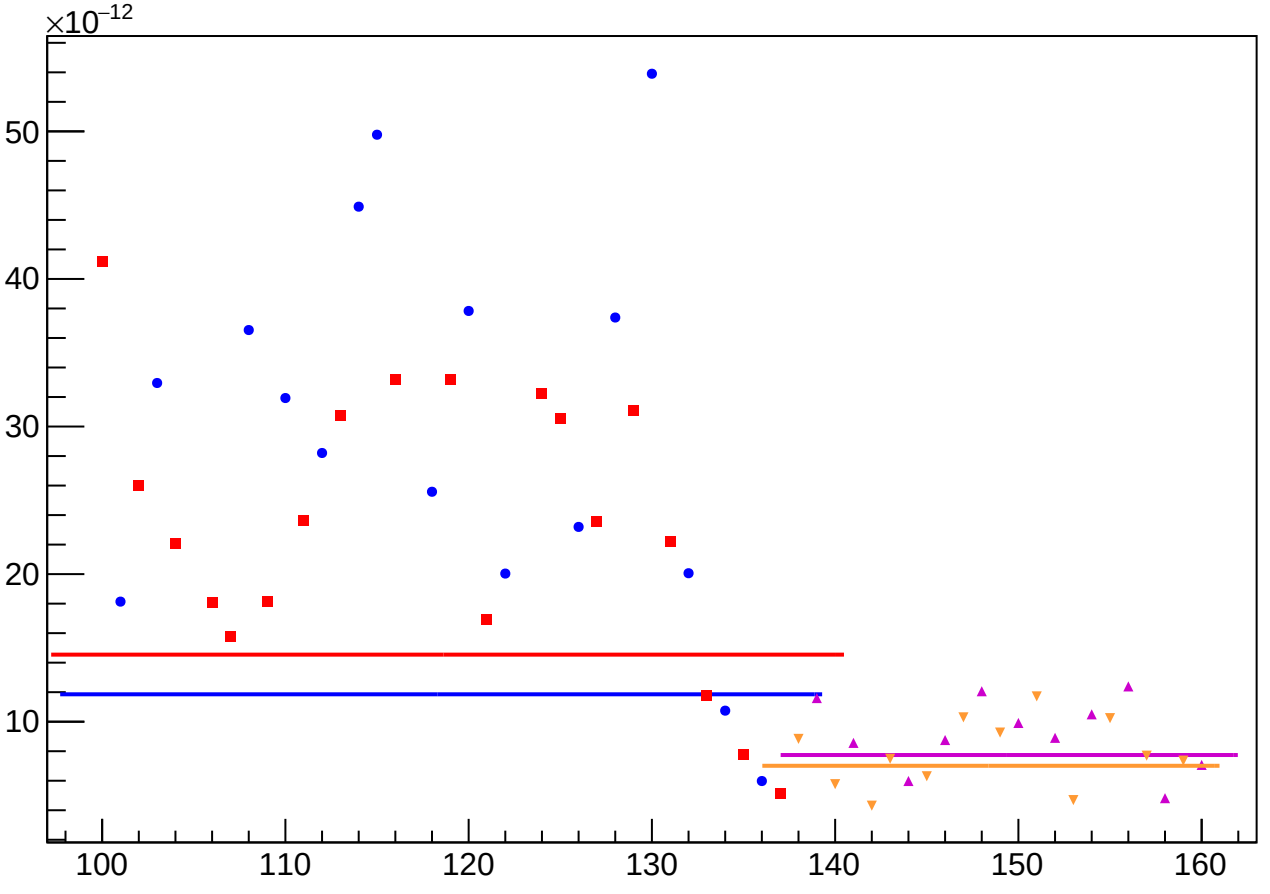
Left In: -0.000+/-0.000 χ^2/NDF:8.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/27

All: 0.000+/-0.000 χ^2/NDF: 47.3/57

- sign -0.000+/-0.000 χ^2/NDF: 23.2/29

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:621781.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

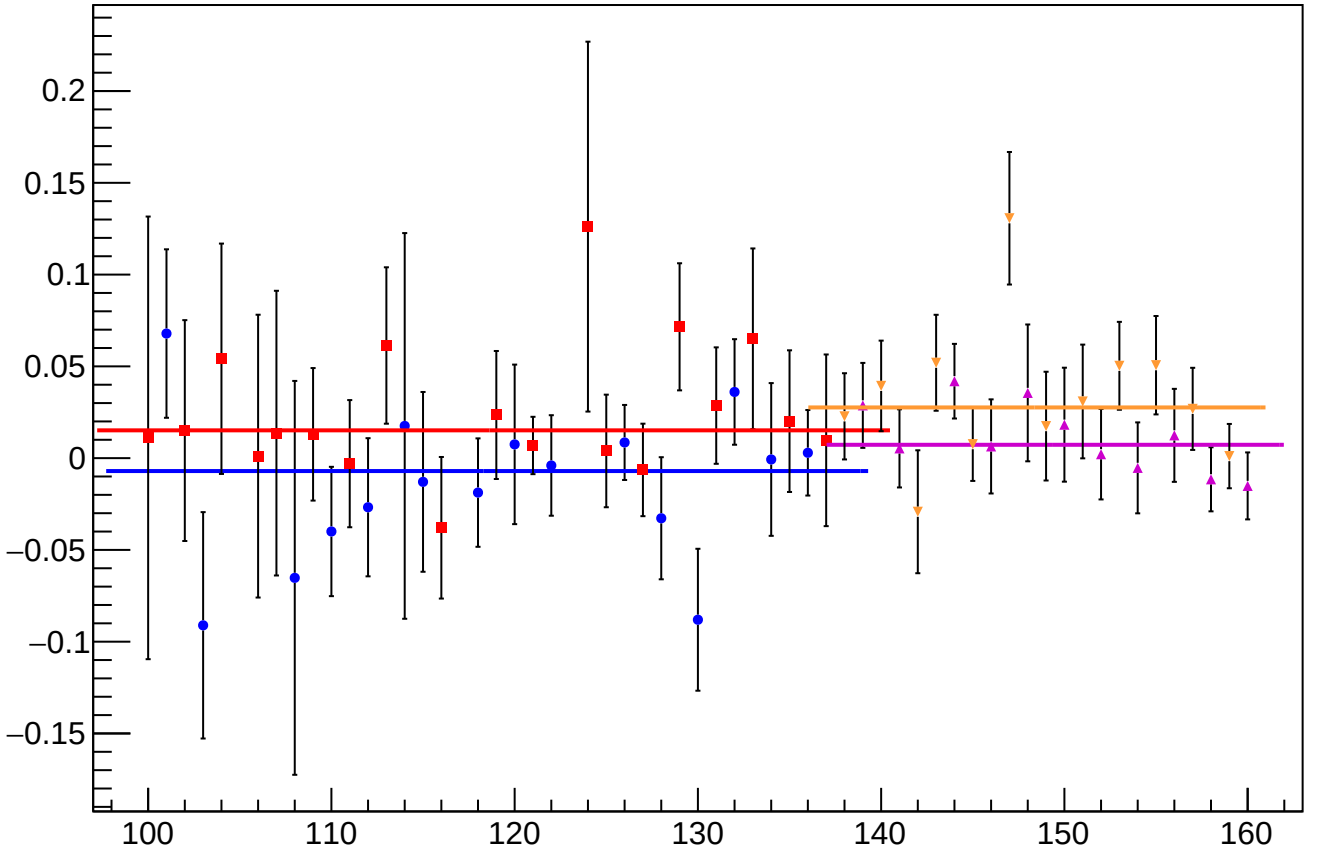
Left In: 0.000+/-0.000 χ^2/NDF:731060.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 4062001.1/27

All: 0.000+/-0.000 χ^2/NDF: 7541925.5/57

- sign 0.000+/-0.000 χ^2/NDF: 3405422.5/29

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.028+/-0.007 χ^2/NDF:17.2/11

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

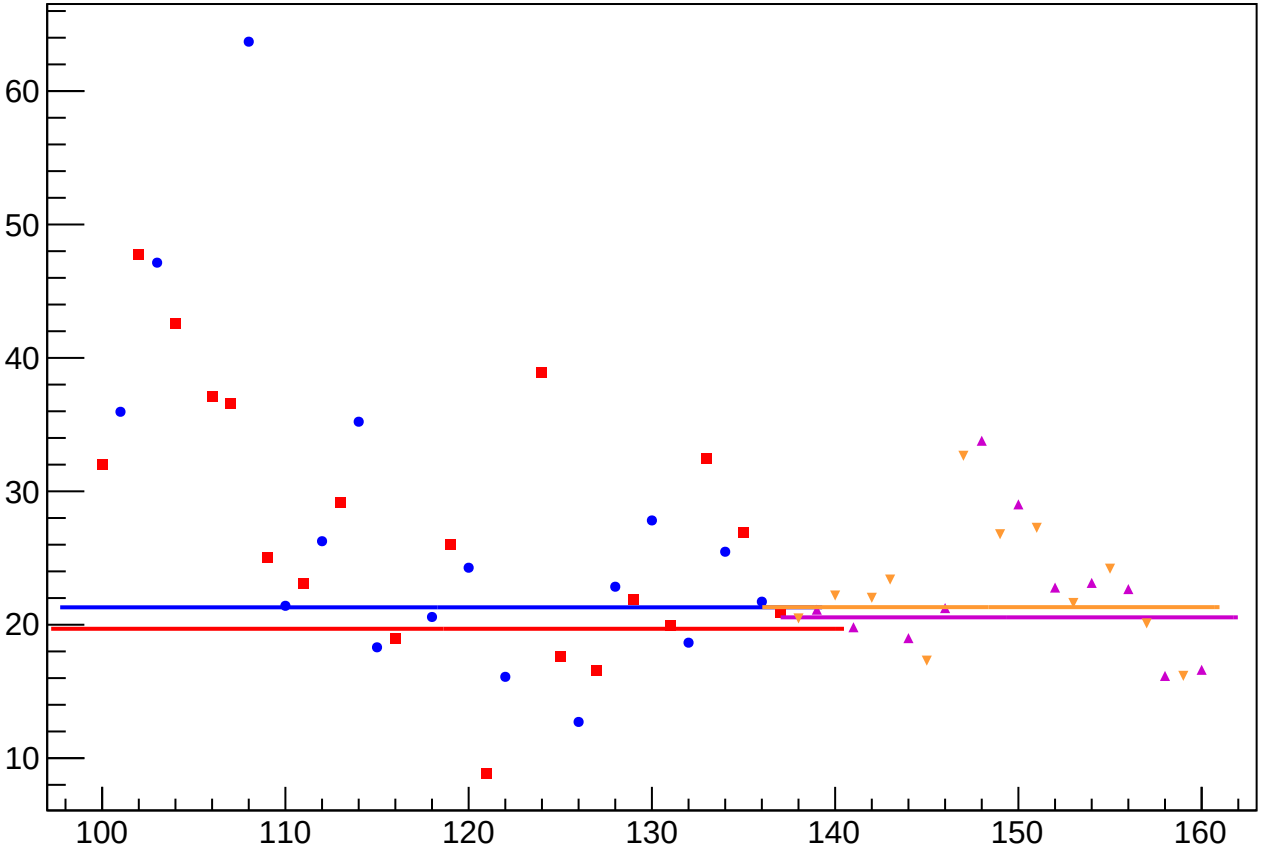
Left In: 0.007+/-0.007 χ^2/NDF:7.5/10

+ sign 0.014+/-0.005 χ^2/NDF: 41.1/27

All: 0.012+/-0.004 χ^2/NDF: 59.4/57

- 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: 21.319+/-0.005 χ^2/NDF:640104.1/11

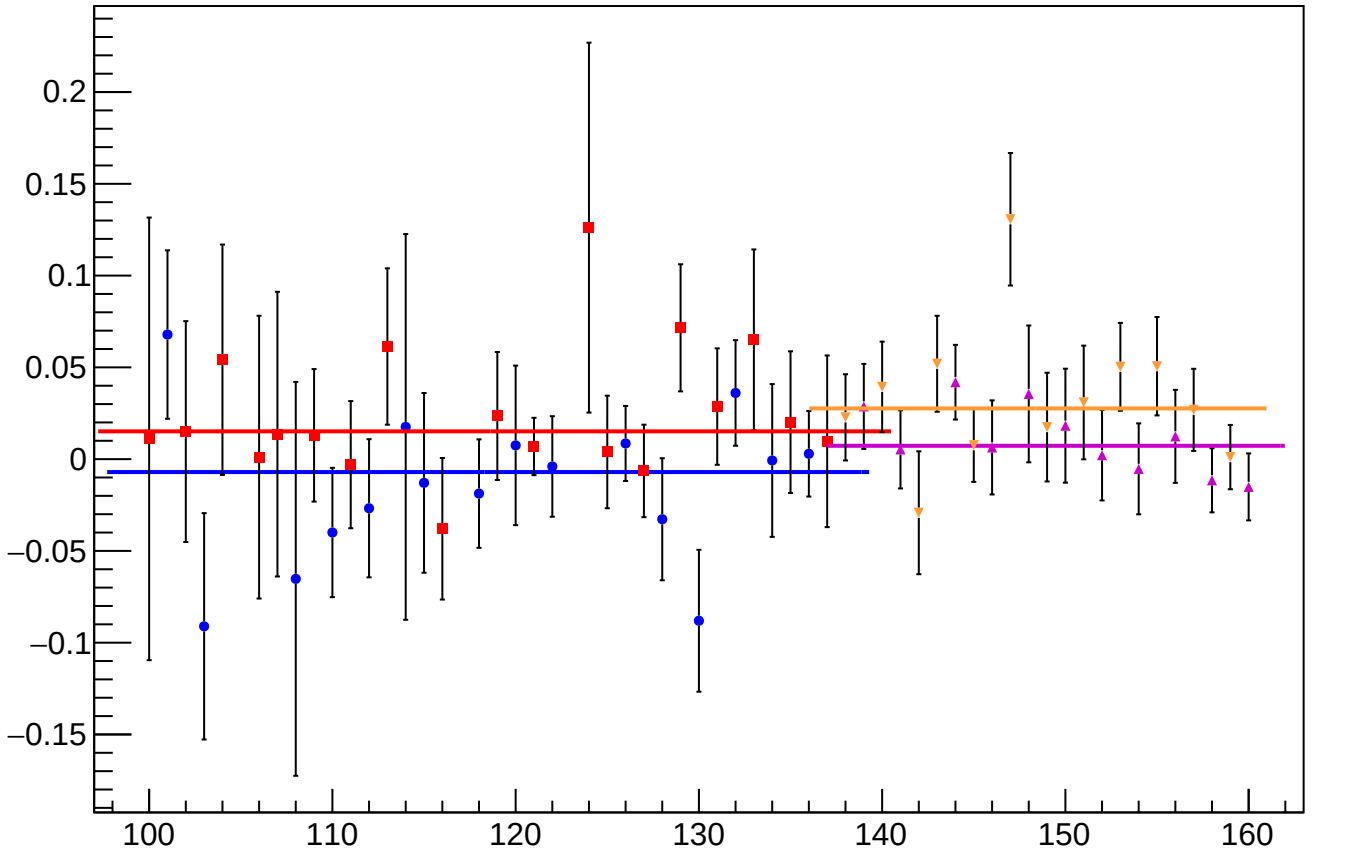
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.554+/-0.005 χ^2/NDF:689540.0/10

+ sign 21.313+/-0.004 χ^2/NDF: 2119505.3/27

All: 20.735+/-0.003 χ^2/NDF: 5303387.6/57

- 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: 0.028+/-0.007 χ^2/NDF:17.2/11

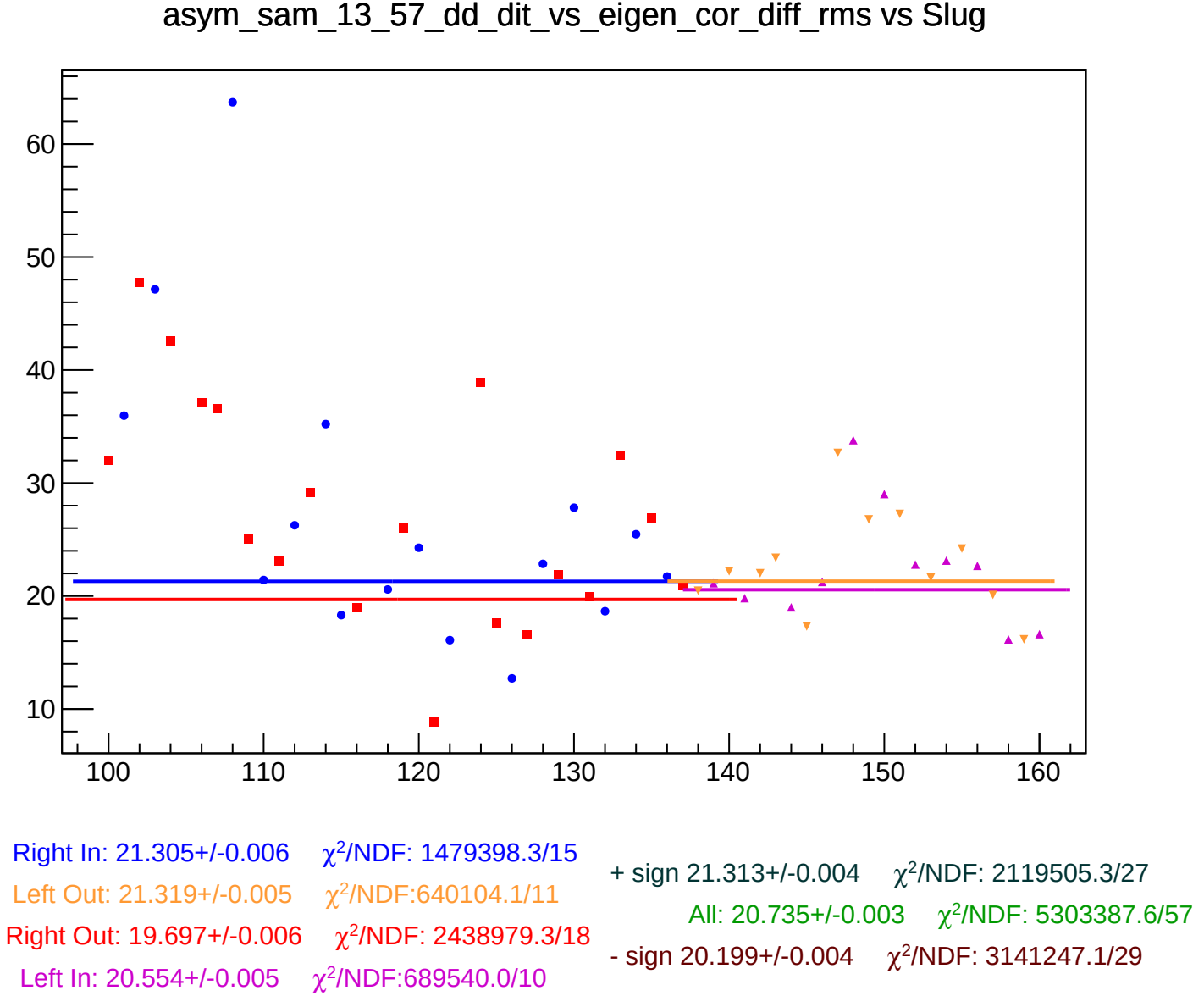
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

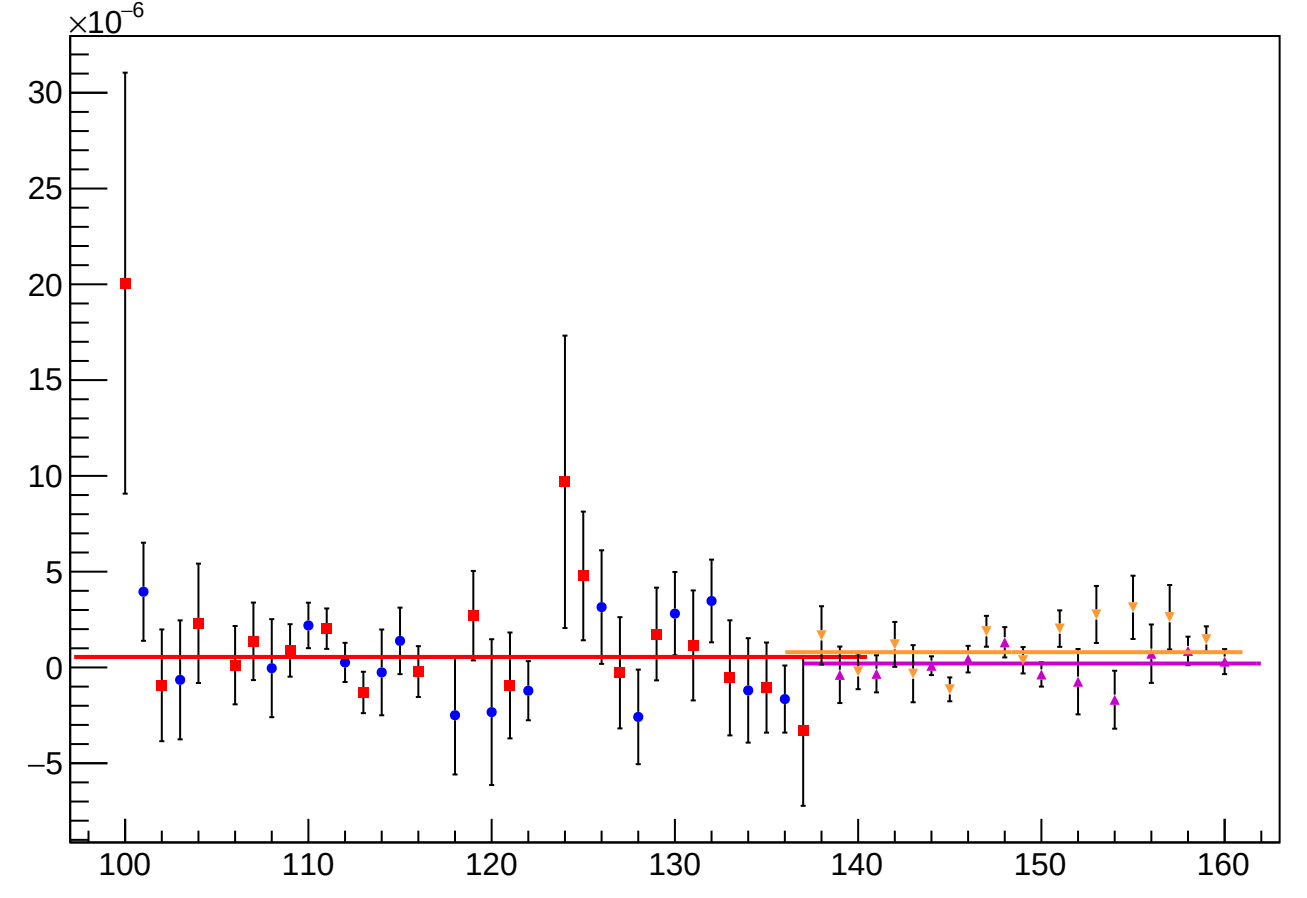
Left In: 0.007+/-0.007 χ^2/NDF:7.5/10

+ sign 0.014+/-0.005 χ^2/NDF: 41.1/27

All: 0.012+/-0.004 χ^2/NDF: 59.4/57

- sign 0.011+/-0.005 χ^2/NDF: 18.1/29


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 21.319+/-0.005 χ²/NDF:640104.1/11
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 20.554+/-0.005 χ²/NDF:689540.0/10
+ sign 21.313+/-0.004 χ²/NDF: 2119505.3/27
All: 20.735+/-0.003 χ²/NDF: 5303387.6/57
- sign 20.199+/-0.004 χ²/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:21.6/11

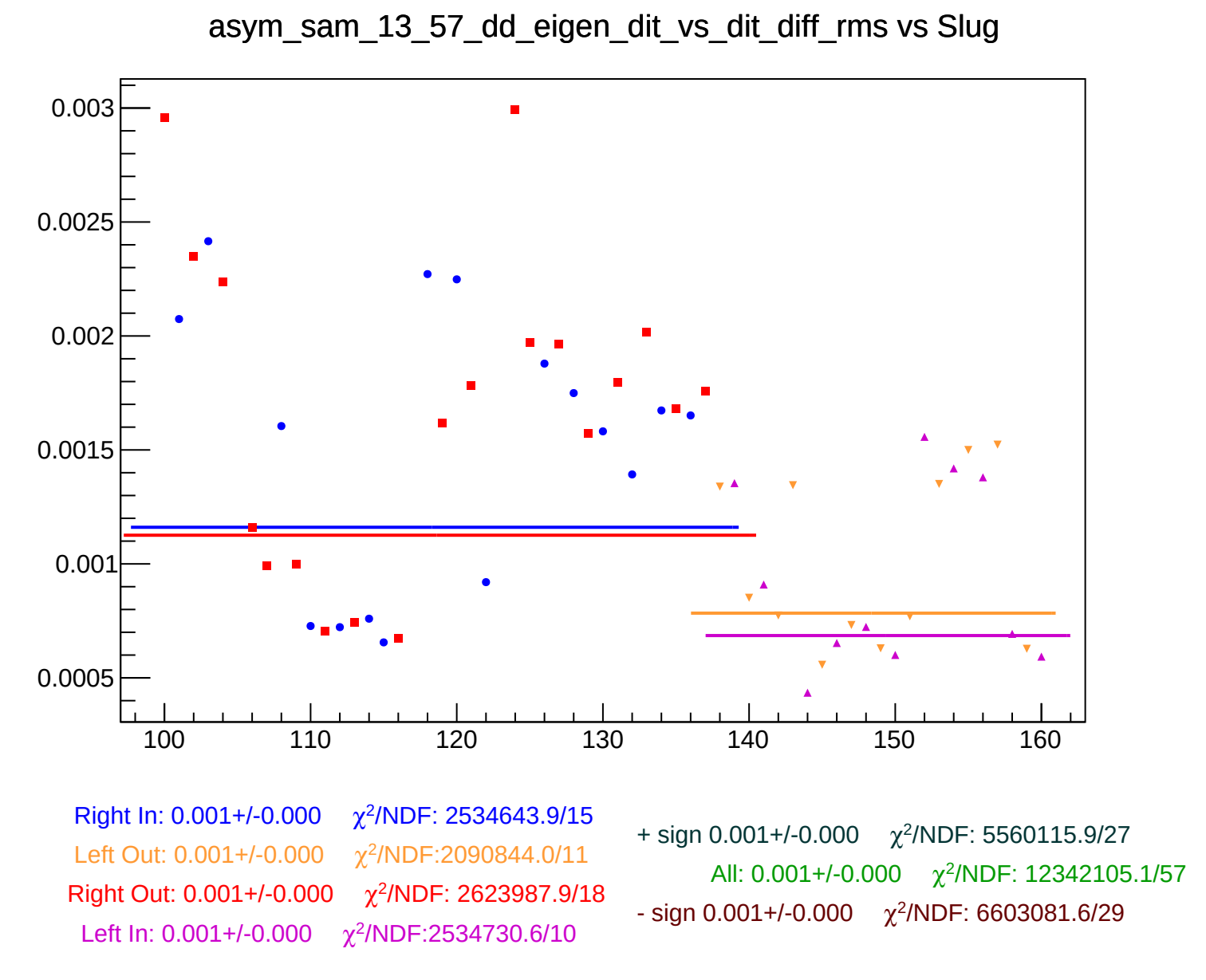
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

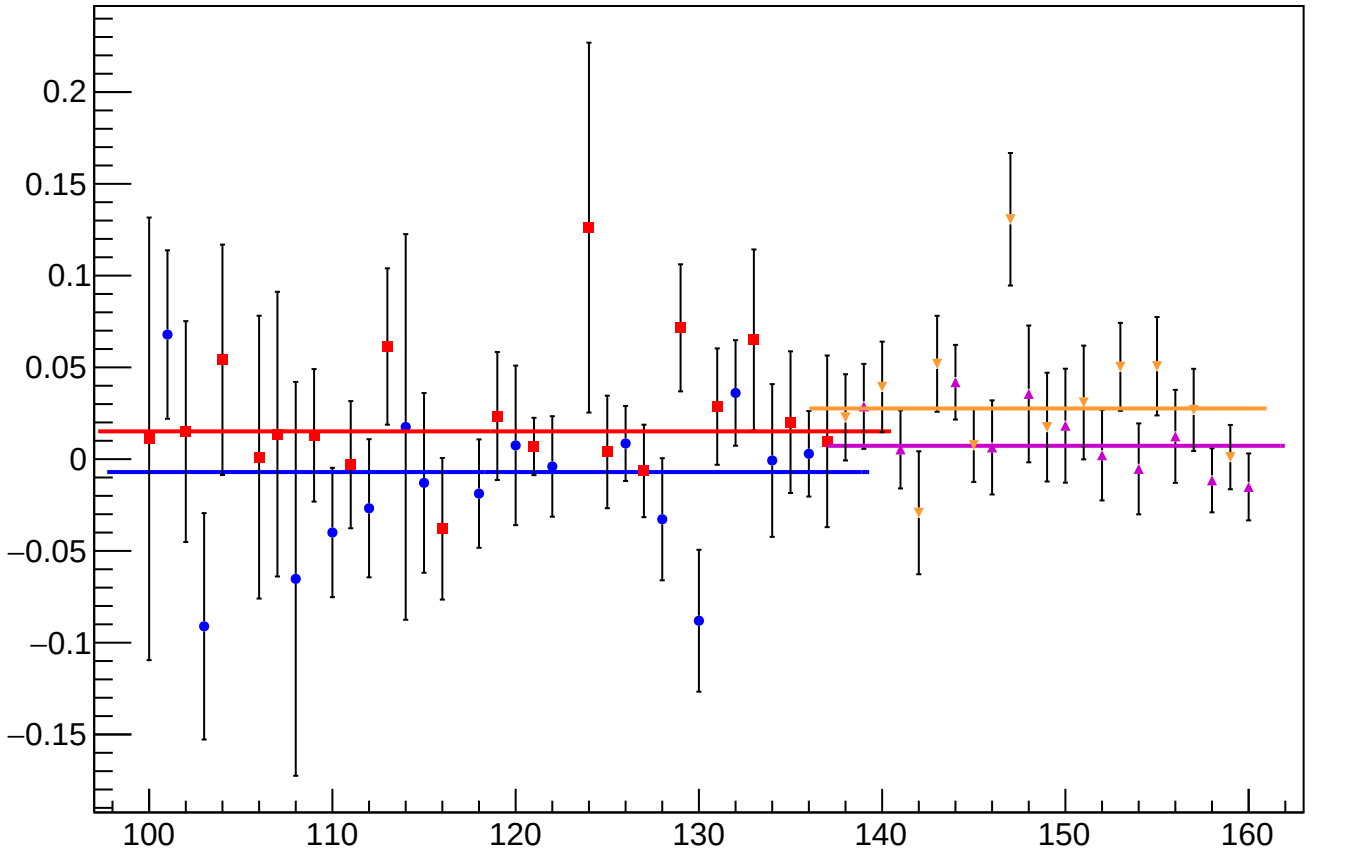
Left In: 0.000+/-0.000 χ^2/NDF:6.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 36.3/27

All: 0.000+/-0.000 χ^2/NDF: 60.3/57

- 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:2090844.0/11
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: 5560115.9/27
All: 0.001+/-0.000 χ²/NDF: 12342105.1/57
- sign 0.001+/-0.000 χ²/NDF: 6603081.6/29



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.028+/-0.007 χ^2/NDF:17.2/11

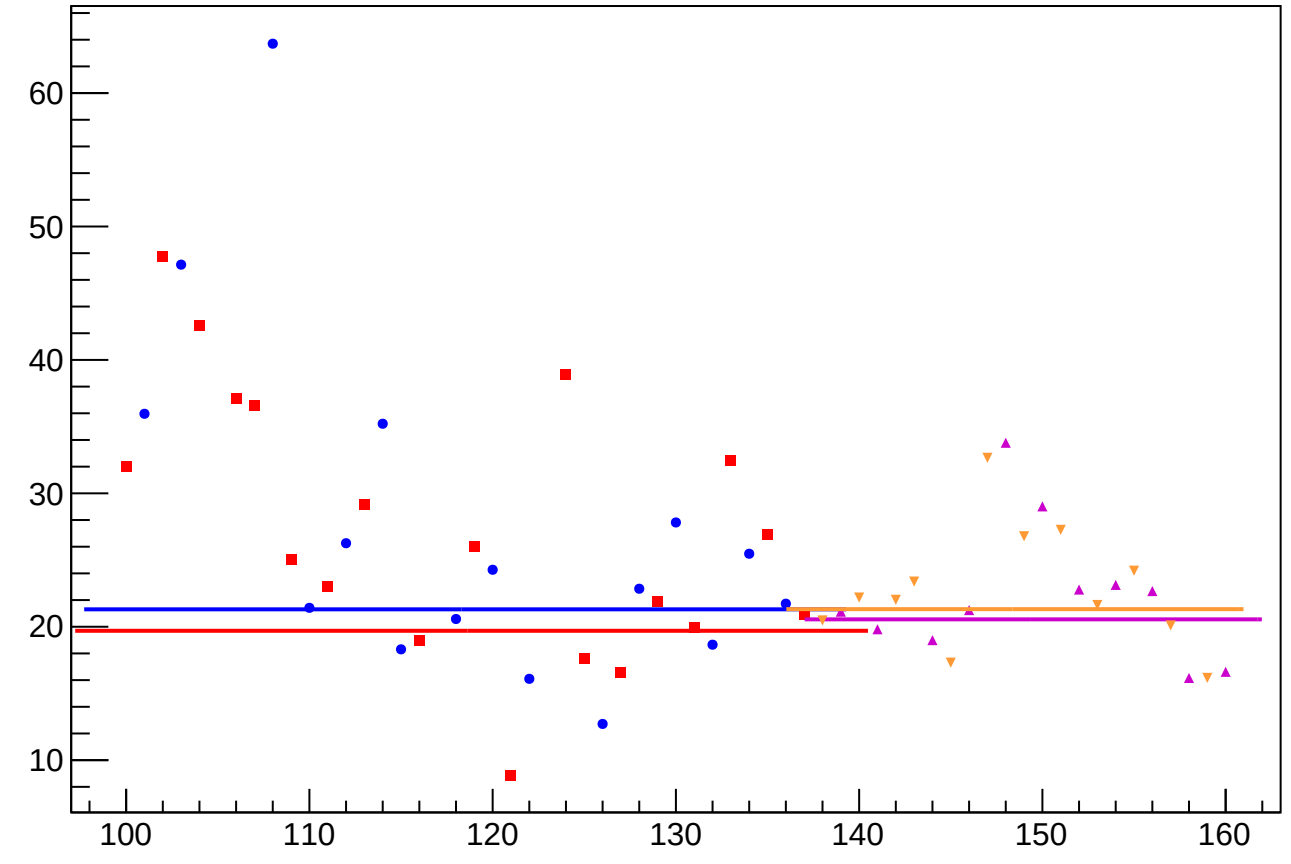
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.007+/-0.007 χ^2/NDF:7.5/10

+ sign 0.014+/-0.005 χ^2/NDF: 41.1/27

All: 0.012+/-0.004 χ^2/NDF: 59.4/57

- 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: 21.319+/-0.005 χ^2/NDF:640185.3/11

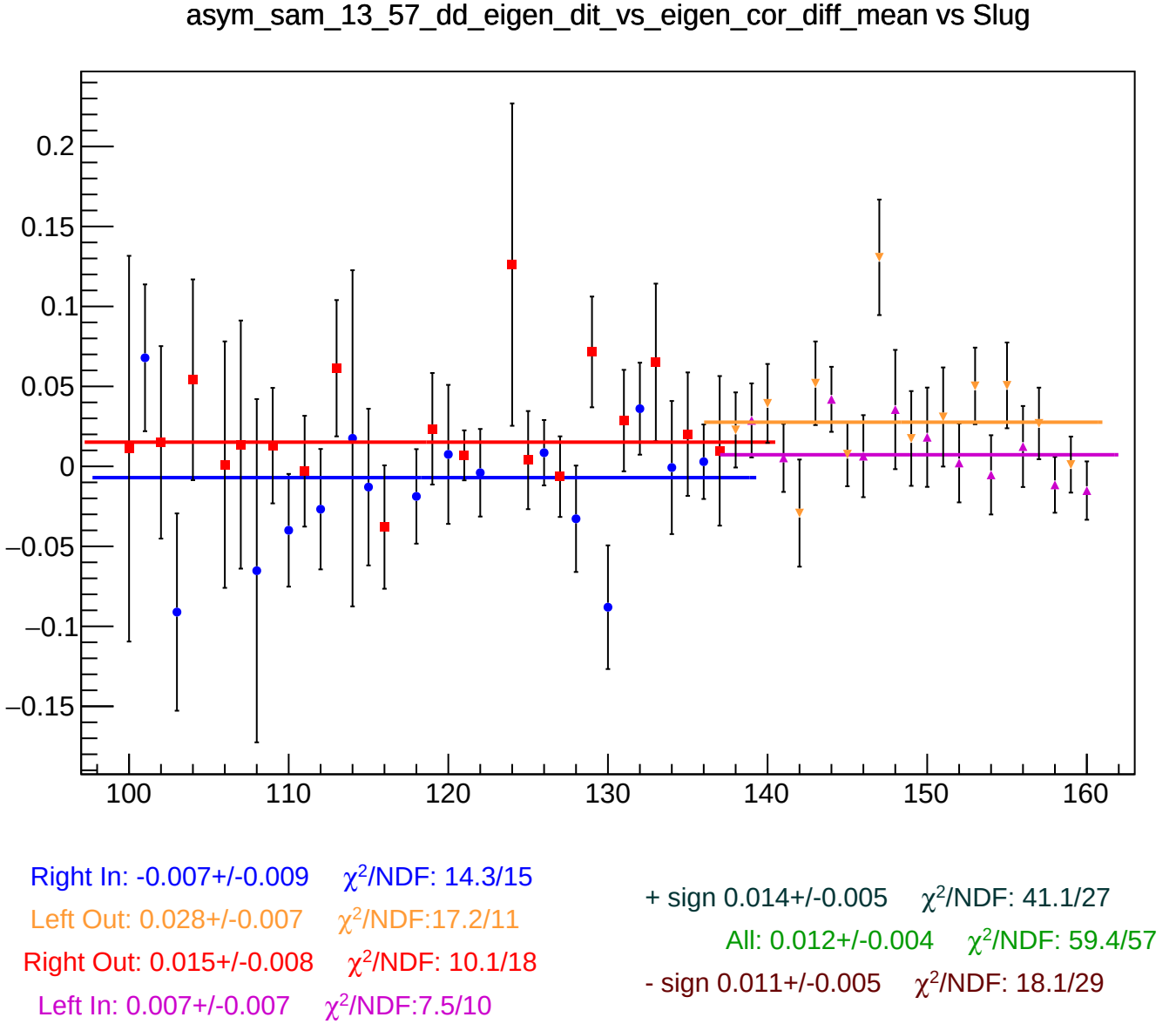
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

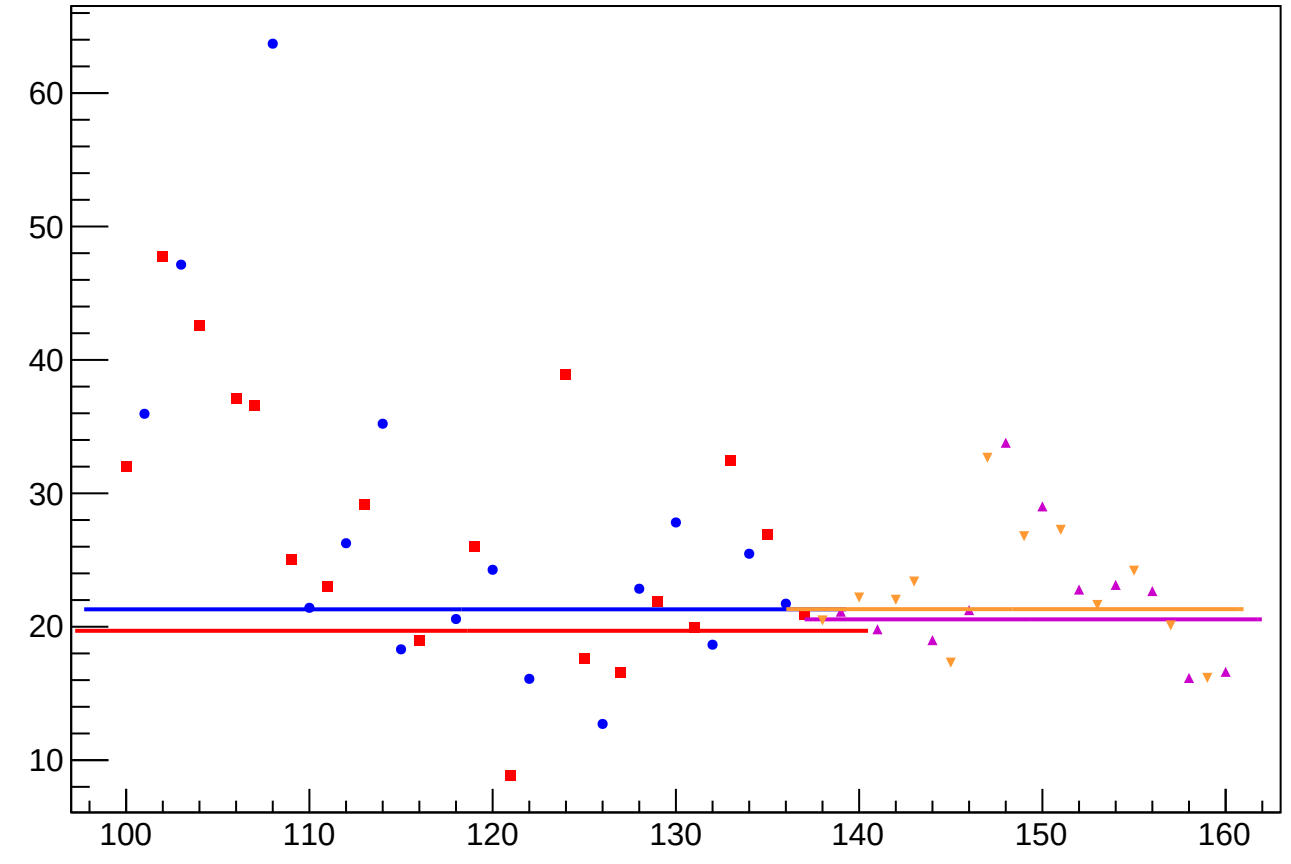
Left In: 20.554+/-0.005 χ^2/NDF:689636.6/10

+ sign 21.313+/-0.004 χ^2/NDF: 2119419.6/27

All: 20.735+/-0.003 χ^2/NDF: 5303004.8/57

- sign 20.199+/-0.004 χ^2/NDF: 3140958.9/29


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.028+/-0.007 χ²/NDF:17.2/11
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.007+/-0.007 χ²/NDF:7.5/10
+ sign 0.014+/-0.005 χ²/NDF: 41.1/27
All: 0.012+/-0.004 χ²/NDF: 59.4/57
- sign 0.011+/-0.005 χ²/NDF: 18.1/29



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 21.319+/-0.005 χ^2/NDF:640185.3/11

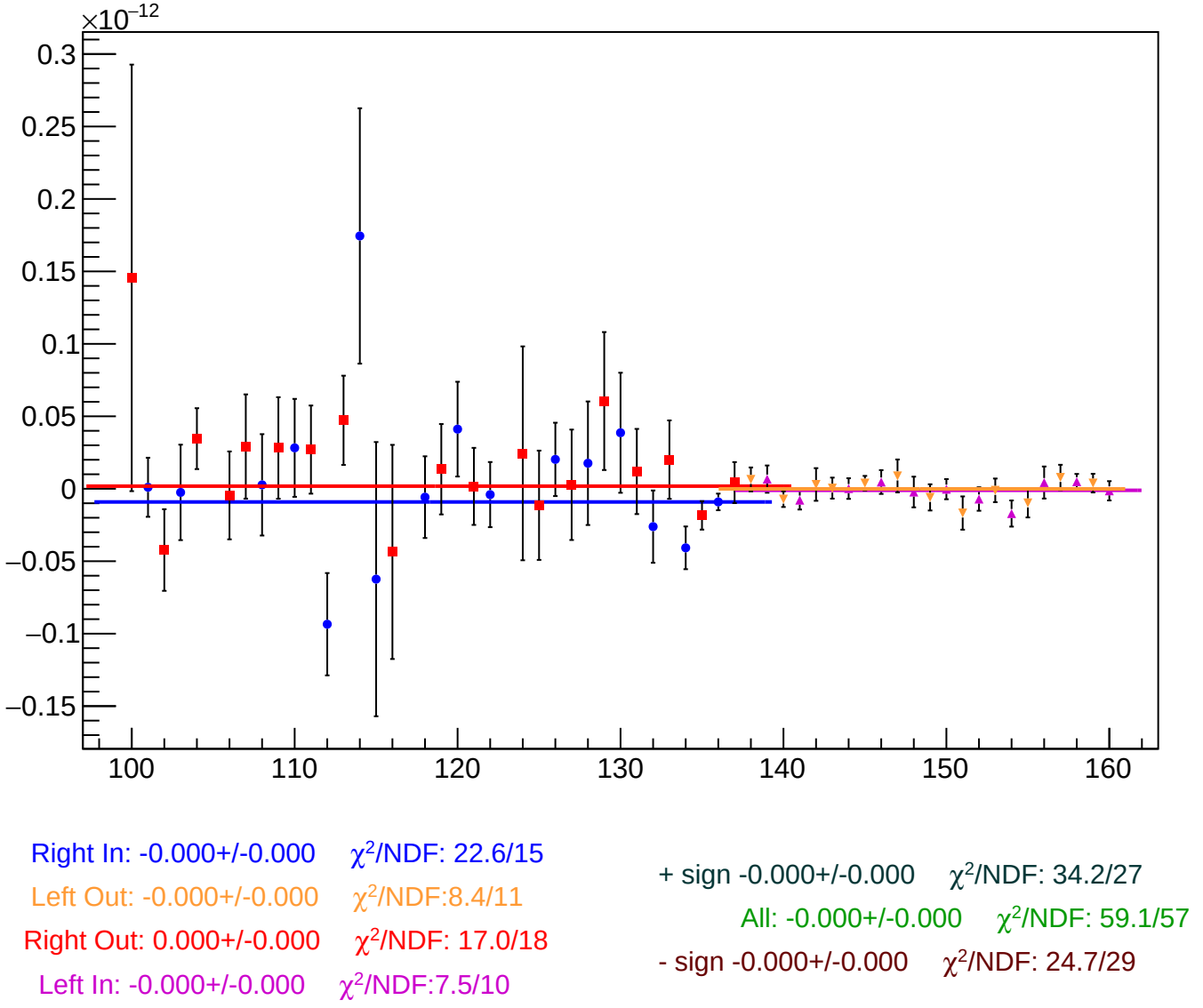
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

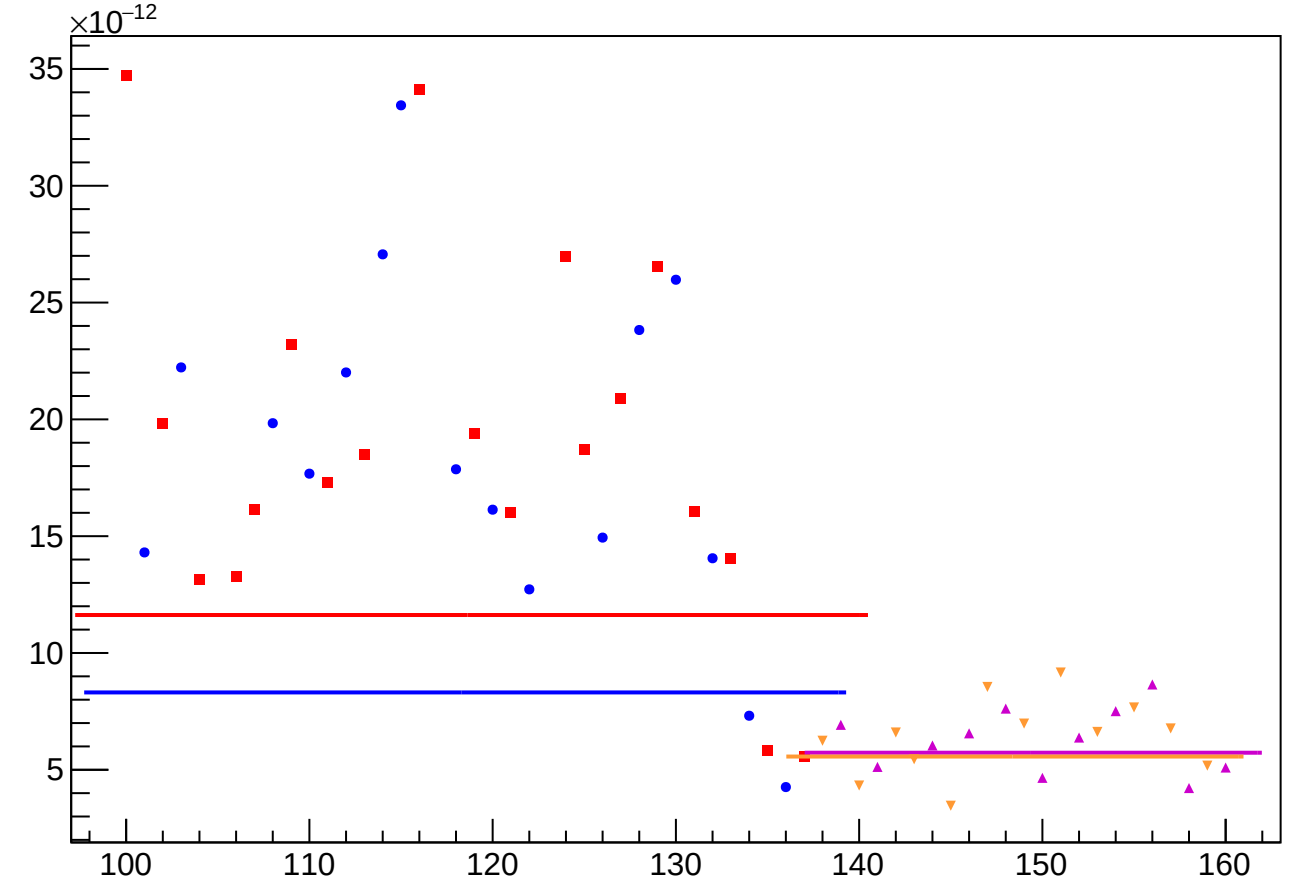
Left In: 20.554+/-0.005 χ^2/NDF:689636.6/10

+ sign 21.313+/-0.004 χ^2/NDF: 2119419.6/27

All: 20.735+/-0.003 χ^2/NDF: 5303004.8/57

- sign 20.199+/-0.004 χ^2/NDF: 3140958.9/29


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: -0.000+/-0.000 χ²/NDF:8.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 17.0/18
Left In: -0.000+/-0.000 χ²/NDF:7.5/10
+ sign -0.000+/-0.000 χ²/NDF: 34.2/27
All: -0.000+/-0.000 χ²/NDF: 59.1/57
- sign -0.000+/-0.000 χ²/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:1040307.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

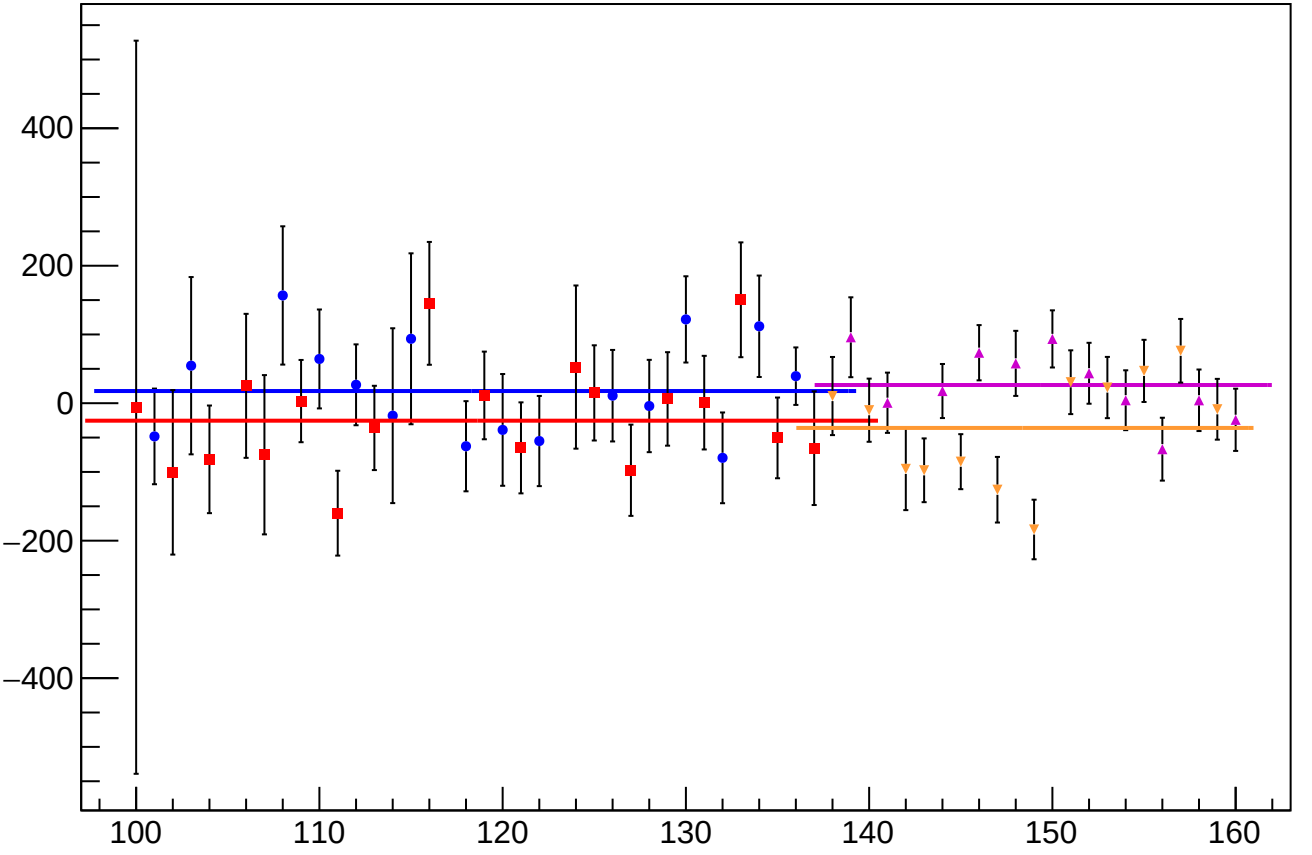
Left In: 0.000+/-0.000 χ^2/NDF:595305.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 5373066.3/27

All: 0.000+/-0.000 χ^2/NDF: 10479709.9/57

- 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: -35.985+/-13.415 χ^2/NDF:33.8/11

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

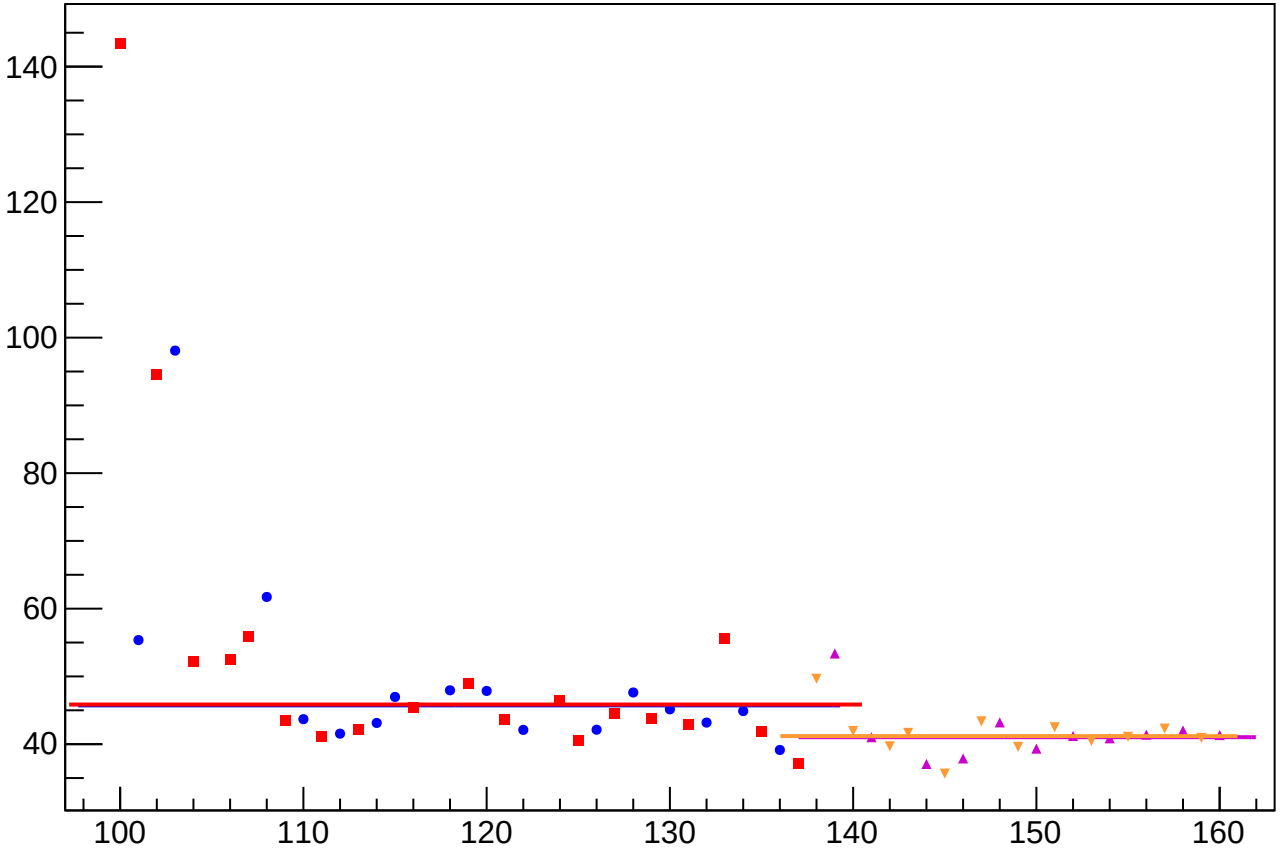
Left In: 26.467+/-13.352 χ^2/NDF:12.3/10

+ sign -16.071+/-10.640 χ^2/NDF: 53.7/27

All: -4.398+/-7.502 χ^2/NDF: 91.9/57

- 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: 41.189+/-0.009 χ^2/NDF:94793.4/11

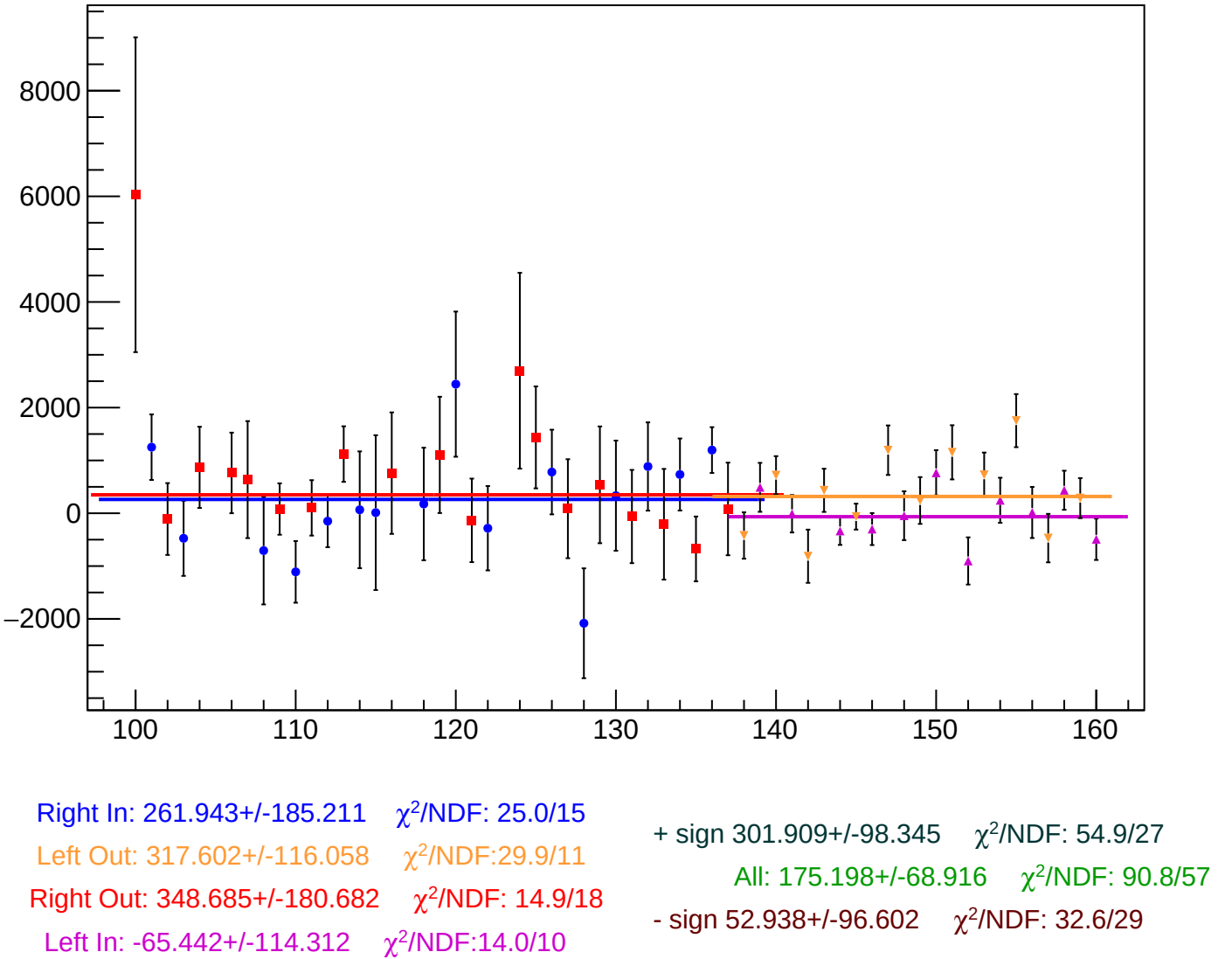
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.030+/-0.009 χ^2/NDF:131536.6/10

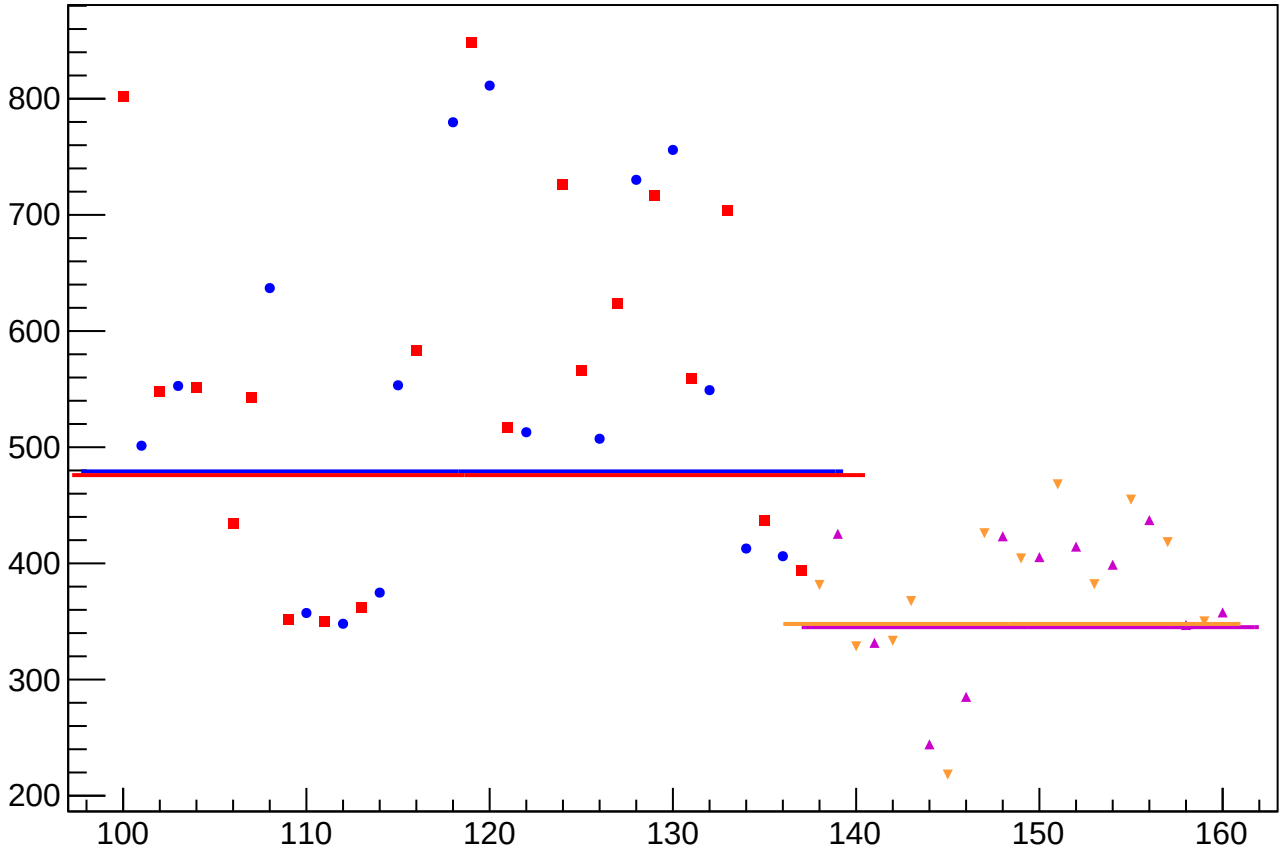
+ sign 42.872+/-0.008 χ^2/NDF: 681147.9/27

All: 42.848+/-0.005 χ^2/NDF: 1449874.9/57

- sign 42.824+/-0.007 χ^2/NDF: 768706.7/29


asym_sam_15_37_dd_reg_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 261.943+/-185.211 χ²/NDF: 25.0/15
Left Out: 317.602+/-116.058 χ²/NDF:29.9/11
Right Out: 348.685+/-180.682 χ²/NDF: 14.9/18
Left In: -65.442+/-114.312 χ²/NDF:14.0/10
+ sign 301.909+/-98.345 χ²/NDF: 54.9/27
All: 175.198+/-68.916 χ²/NDF: 90.8/57
- sign 52.938+/-96.602 χ²/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: 347.867+/-0.082 χ^2/NDF:931022.5/11

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

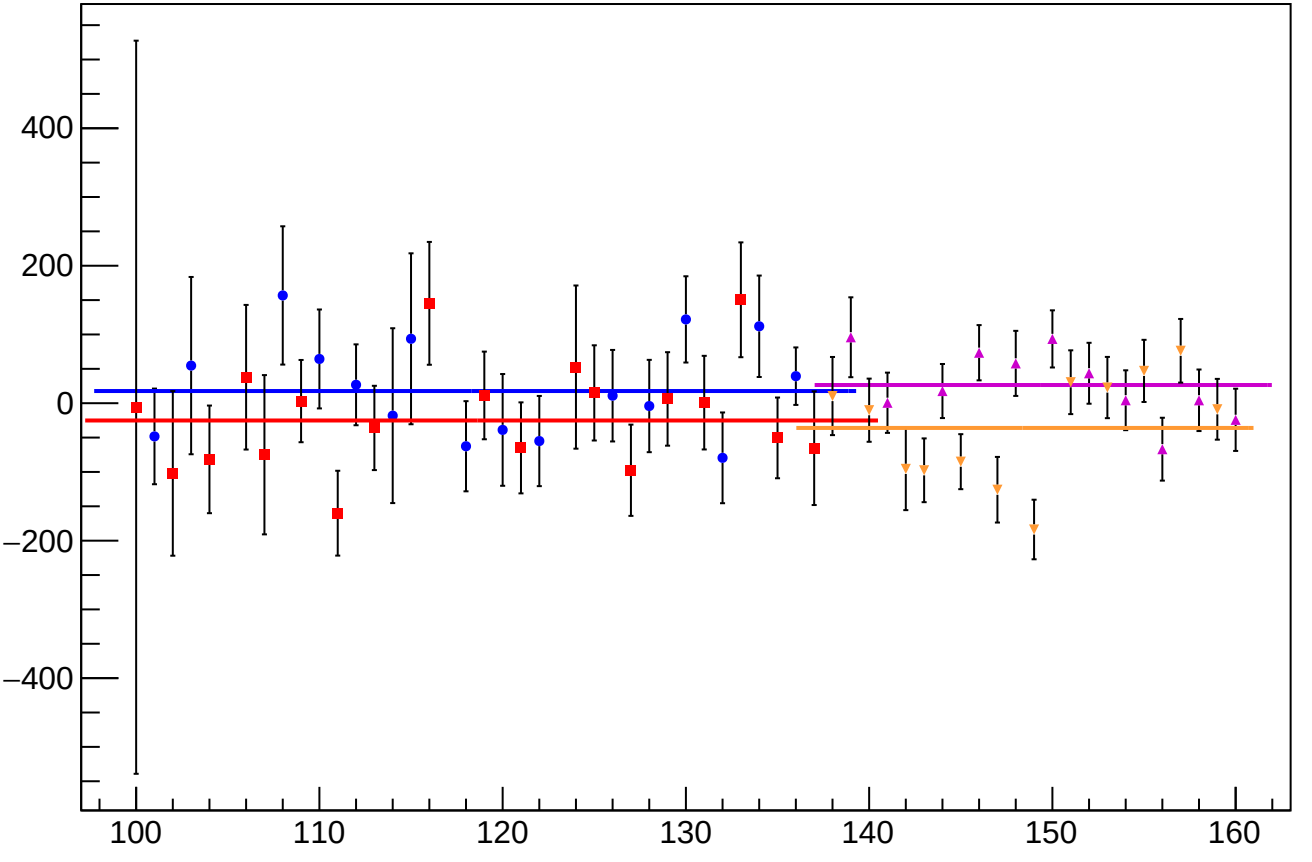
Left In: 345.100+/-0.081 χ^2/NDF:683709.9/10

\+ sign 384.890+/-0.070 χ^2/NDF: 2605578.1/27

All: 383.681+/-0.049 χ^2/NDF: 5045941.9/57

\- 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: -35.988+/-13.415 χ^2/NDF:33.8/11

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

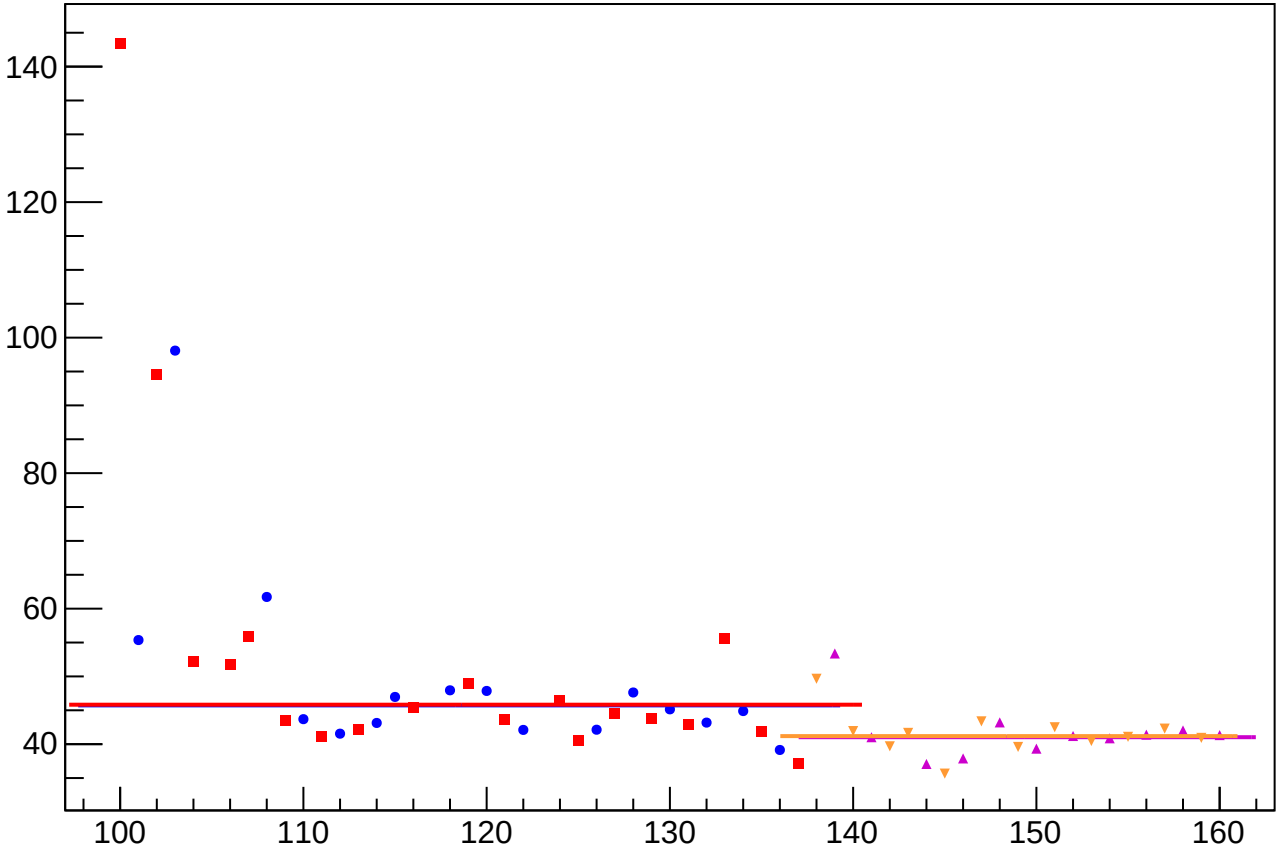
Left In: 26.468+/-13.352 χ^2/NDF:12.3/10

+ sign -16.071+/-10.640 χ^2/NDF: 53.7/27

All: -4.342+/-7.502 χ^2/NDF: 92.0/57

- 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: 41.189+/-0.009 χ^2/NDF:94793.5/11

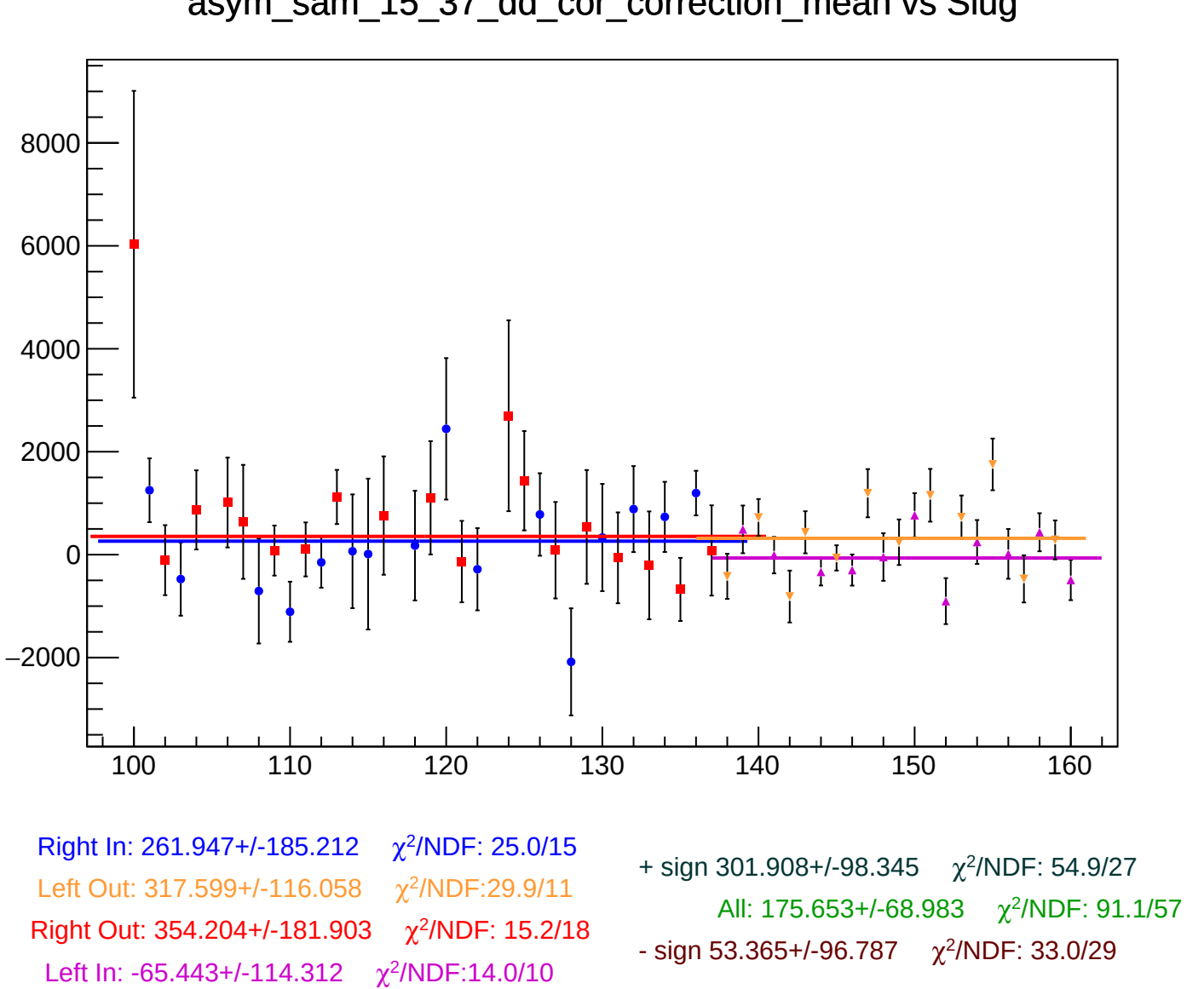
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

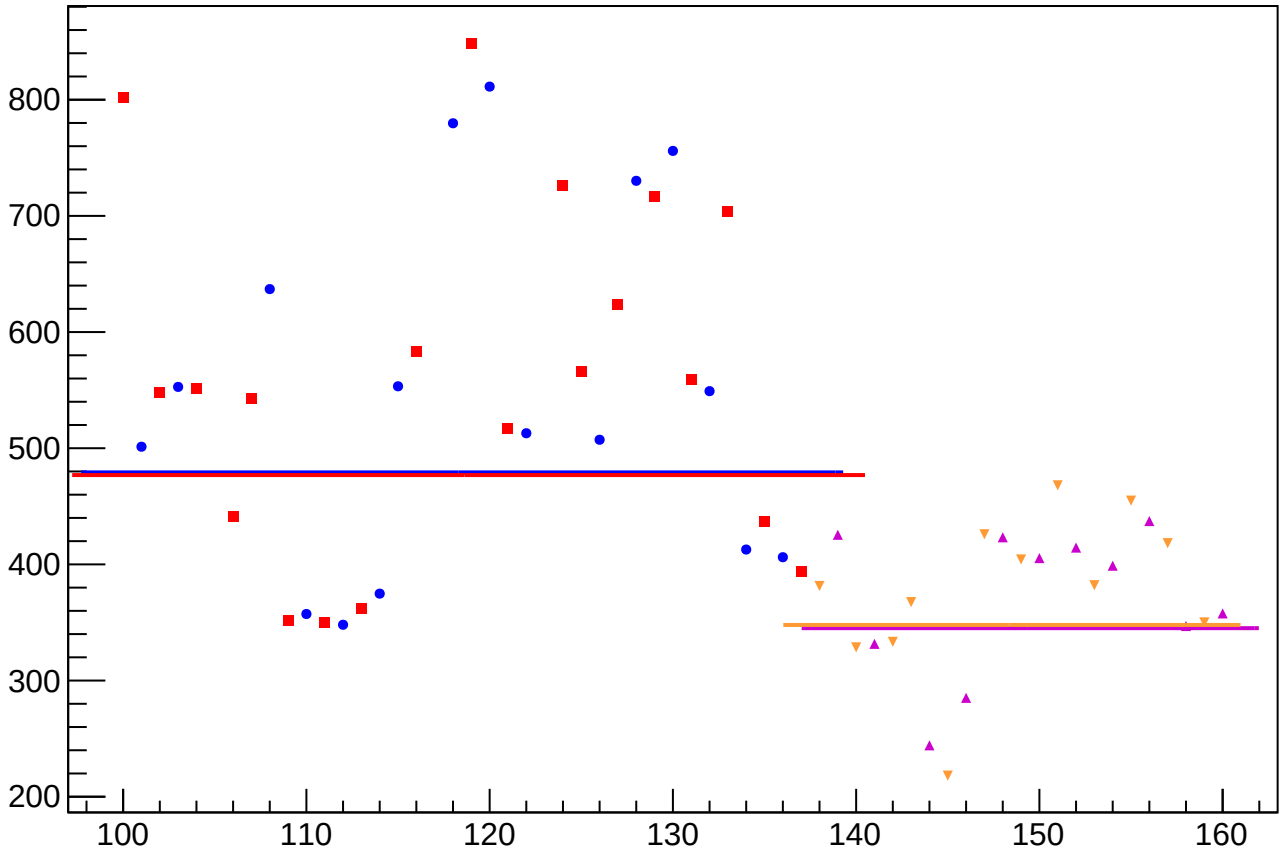
Left In: 41.030+/-0.009 χ^2/NDF:131536.6/10

+ sign 42.872+/-0.008 χ^2/NDF: 681150.9/27

All: 42.843+/-0.005 χ^2/NDF: 1447226.2/57

- 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: 317.599+/-116.058 χ²/NDF:29.9/11
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: -65.443+/-114.312 χ²/NDF:14.0/10
+ sign 301.908+/-98.345 χ²/NDF: 54.9/27
All: 175.653+/-68.983 χ²/NDF: 91.1/57
- sign 53.365+/-96.787 χ²/NDF: 33.0/29



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 347.867+/-0.082 χ^2/NDF:931023.6/11

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

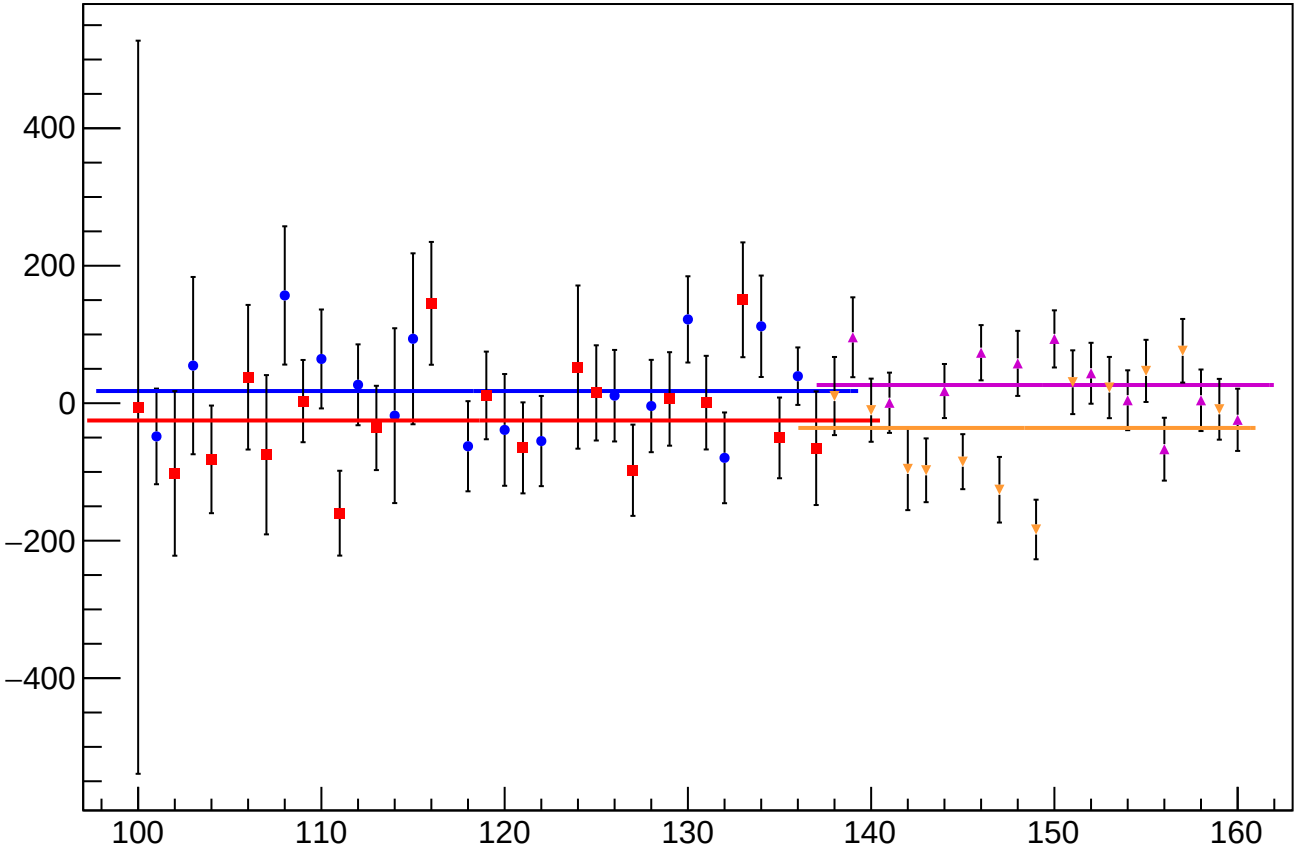
Left In: 345.100+/-0.081 χ^2/NDF:683710.1/10

+ sign 384.890+/-0.070 χ^2/NDF: 2605626.8/27

All: 383.631+/-0.049 χ^2/NDF: 5046388.7/57

- 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: -35.988+/-13.415 χ^2/NDF:33.8/11

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

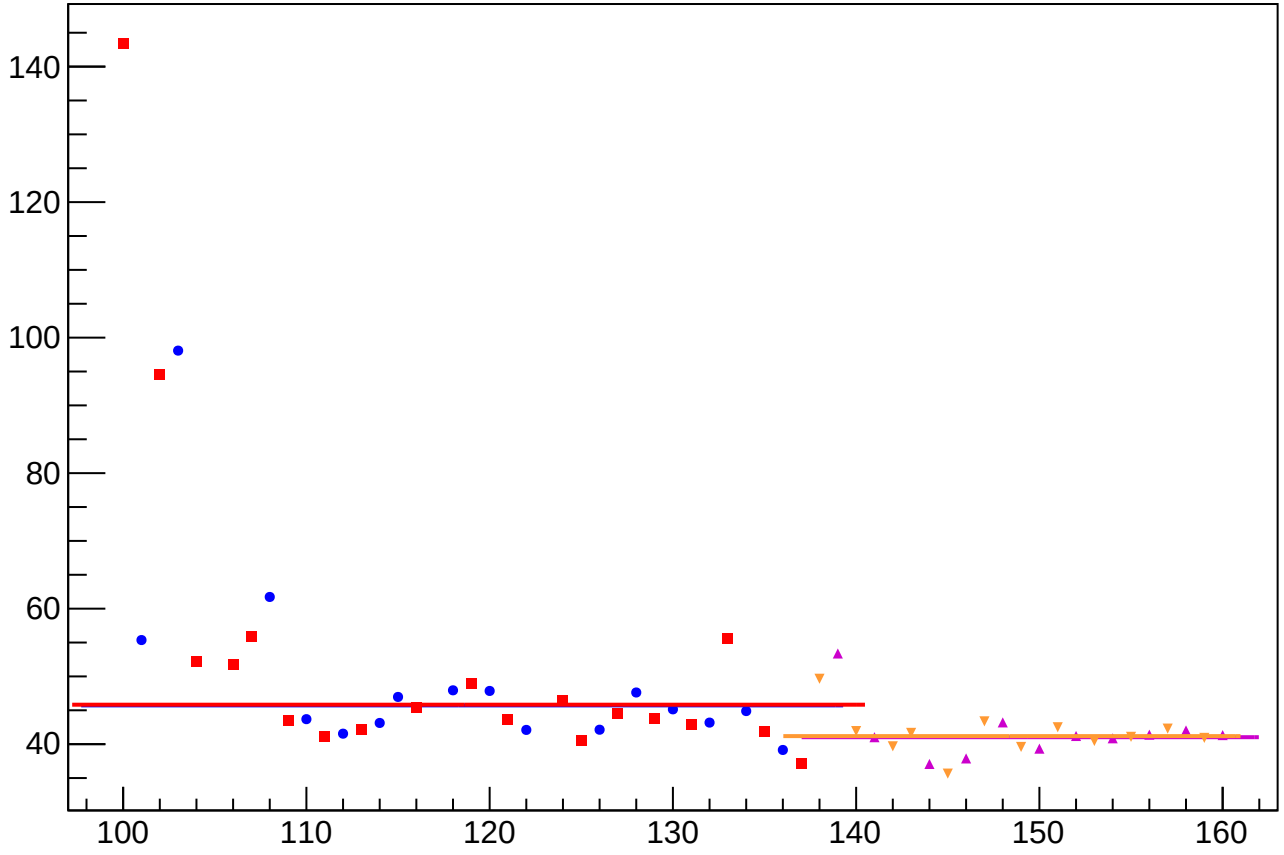
Left In: 26.468+/-13.352 χ^2/NDF:12.3/10

+ sign -16.071+/-10.640 χ^2/NDF: 53.7/27

All: -4.342+/-7.502 χ^2/NDF: 92.0/57

- 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: 41.189+/-0.009 χ^2/NDF:94793.5/11

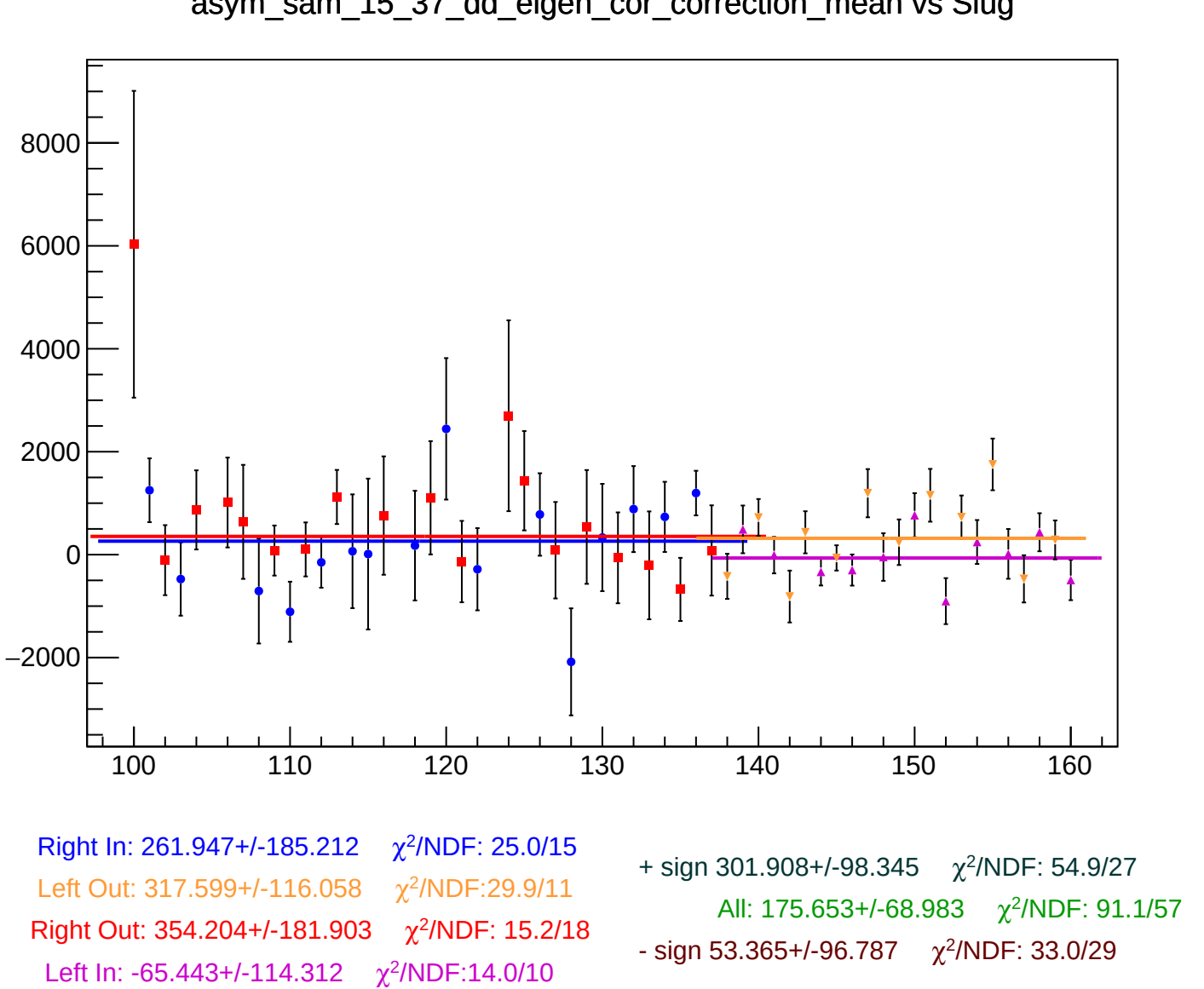
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.030+/-0.009 χ^2/NDF:131536.6/10

+ sign 42.872+/-0.008 χ^2/NDF: 681150.9/27

All: 42.843+/-0.005 χ^2/NDF: 1447226.2/57

- sign 42.815+/-0.007 χ^2/NDF: 766046.4/29


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
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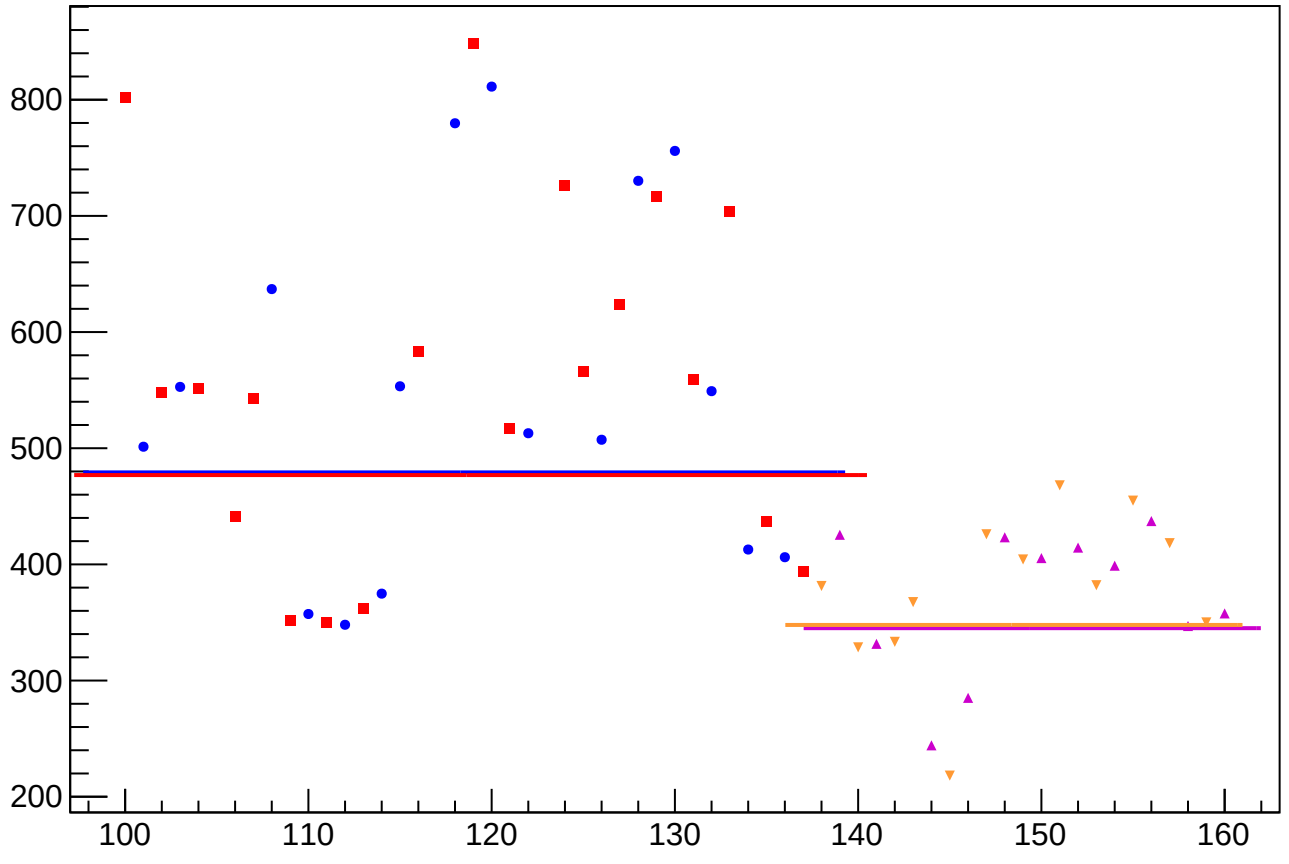
140
150
160
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 317.599+/-116.058 χ²/NDF:29.9/11
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: -65.443+/-114.312 χ²/NDF:14.0/10
+ sign 301.908+/-98.345 χ²/NDF: 54.9/27
All: 175.653+/-68.983 χ²/NDF: 91.1/57
- sign 53.365+/-96.787 χ²/NDF: 33.0/29



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 347.867+/-0.082 χ^2/NDF:931023.6/11

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

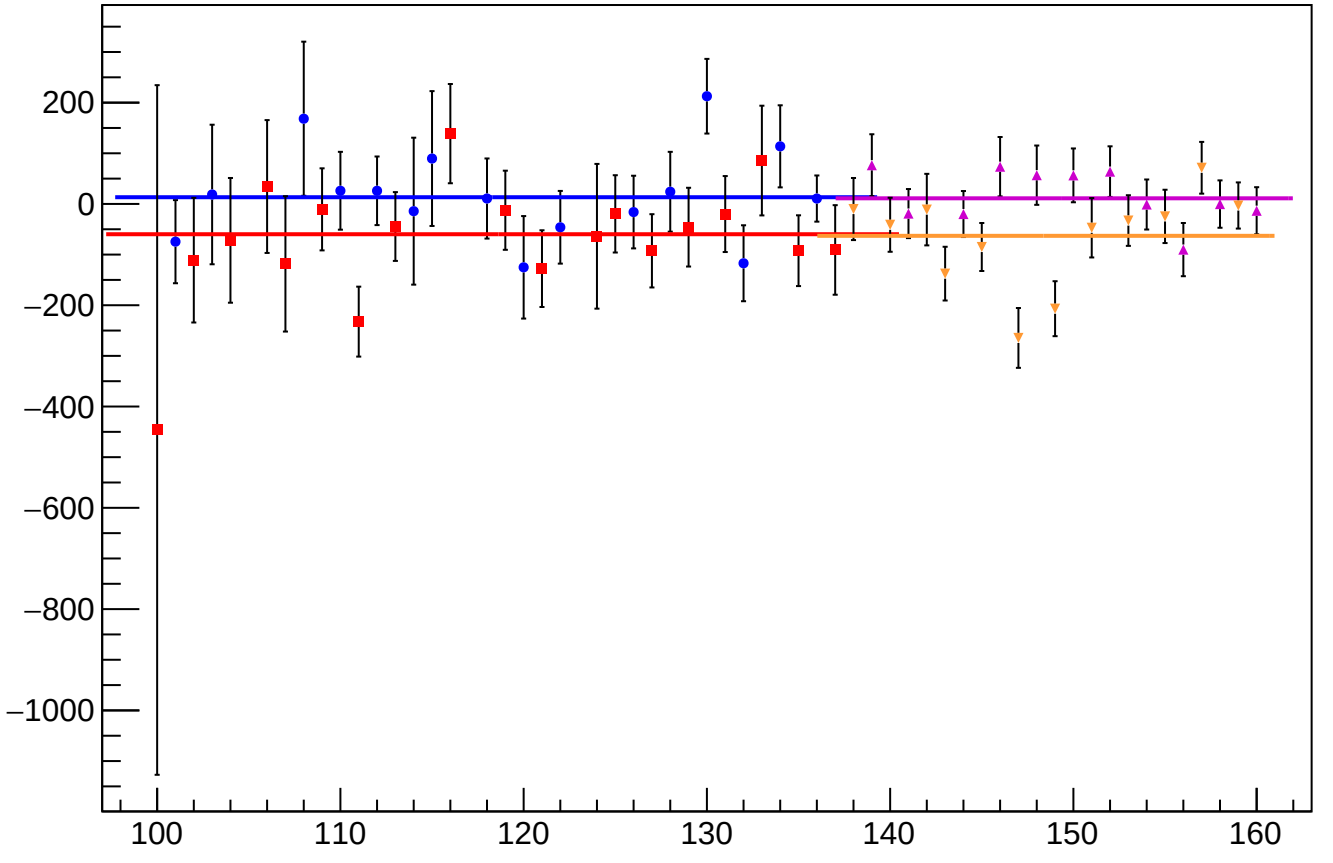
Left In: 345.100+/-0.081 χ^2/NDF:683710.1/10

+ sign 384.890+/-0.070 χ^2/NDF: 2605626.8/27

All: 383.631+/-0.049 χ^2/NDF: 5046388.7/57

- 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: -62.963+/-15.501 χ^2/NDF:31.9/11

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

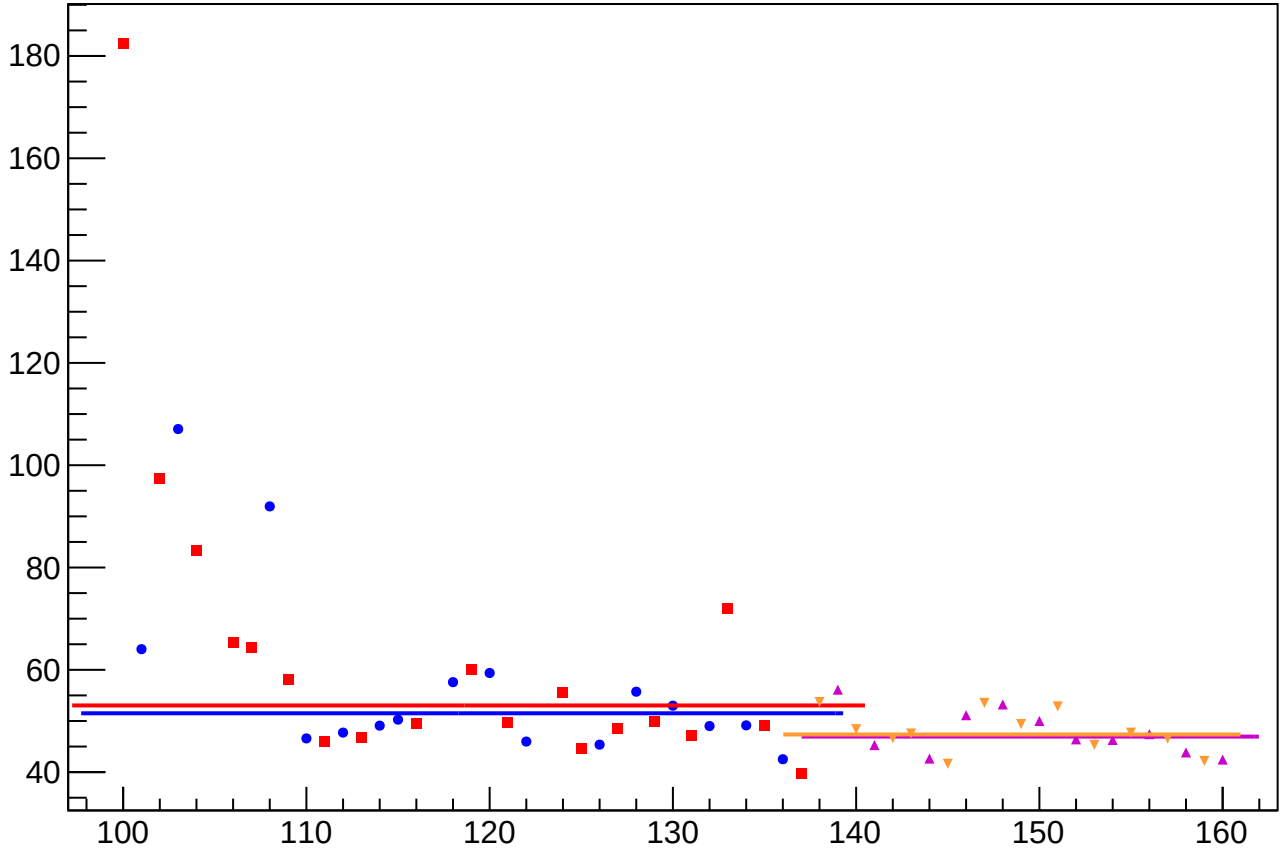
Left In: 11.104+/-15.416 χ^2/NDF:9.7/10

+ sign -34.085+/-12.217 χ^2/NDF: 58.3/27

All: -24.548+/-8.655 χ^2/NDF: 93.1/57

- 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: 47.363+/-0.011 χ^2/NDF:123416.6/11

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

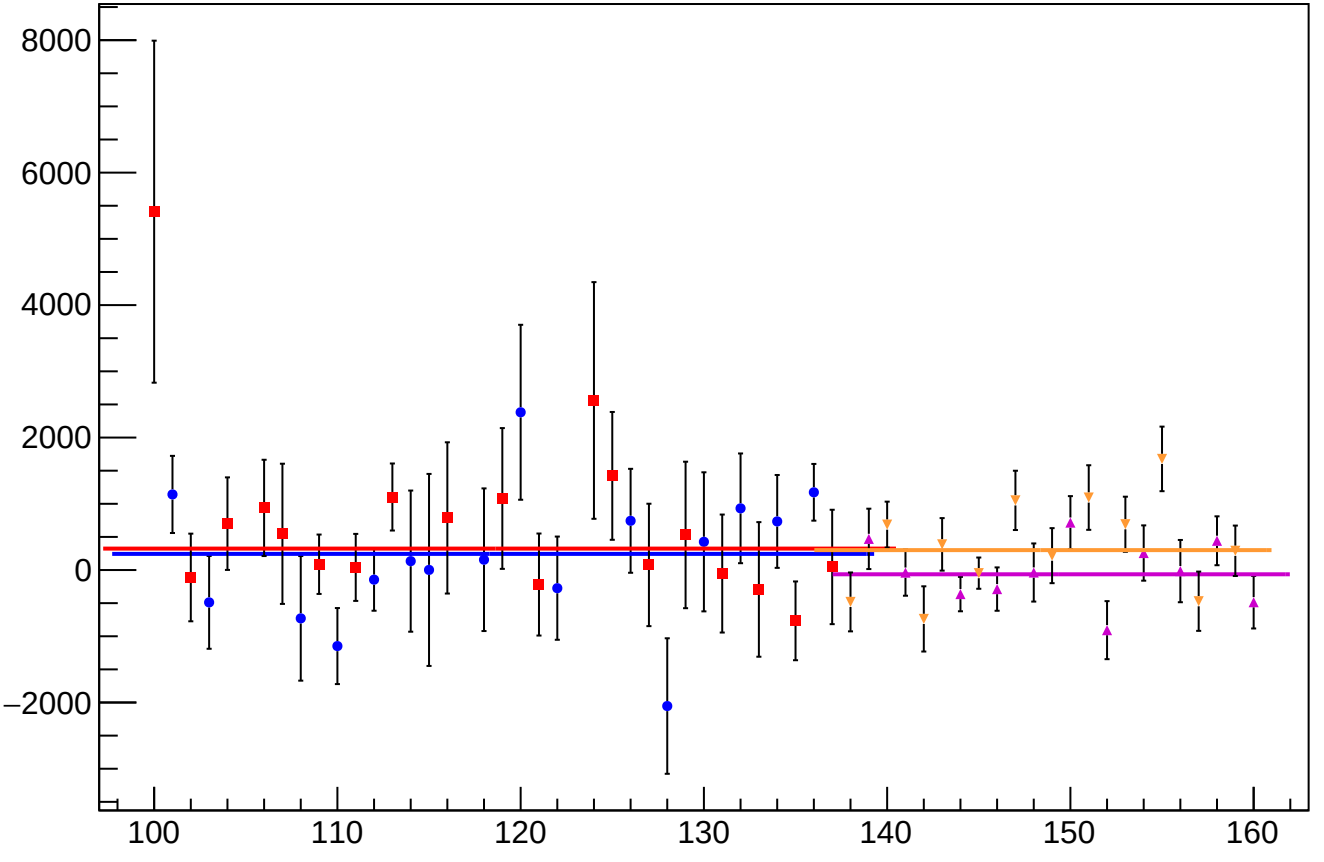
Left In: 46.949+/-0.011 χ^2/NDF:133280.3/10

+ sign 48.932+/-0.009 χ^2/NDF: 844582.7/27

All: 49.058+/-0.006 χ^2/NDF: 1805764.6/57

- 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: 300.657+/-112.702 χ^2/NDF:28.4/11

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

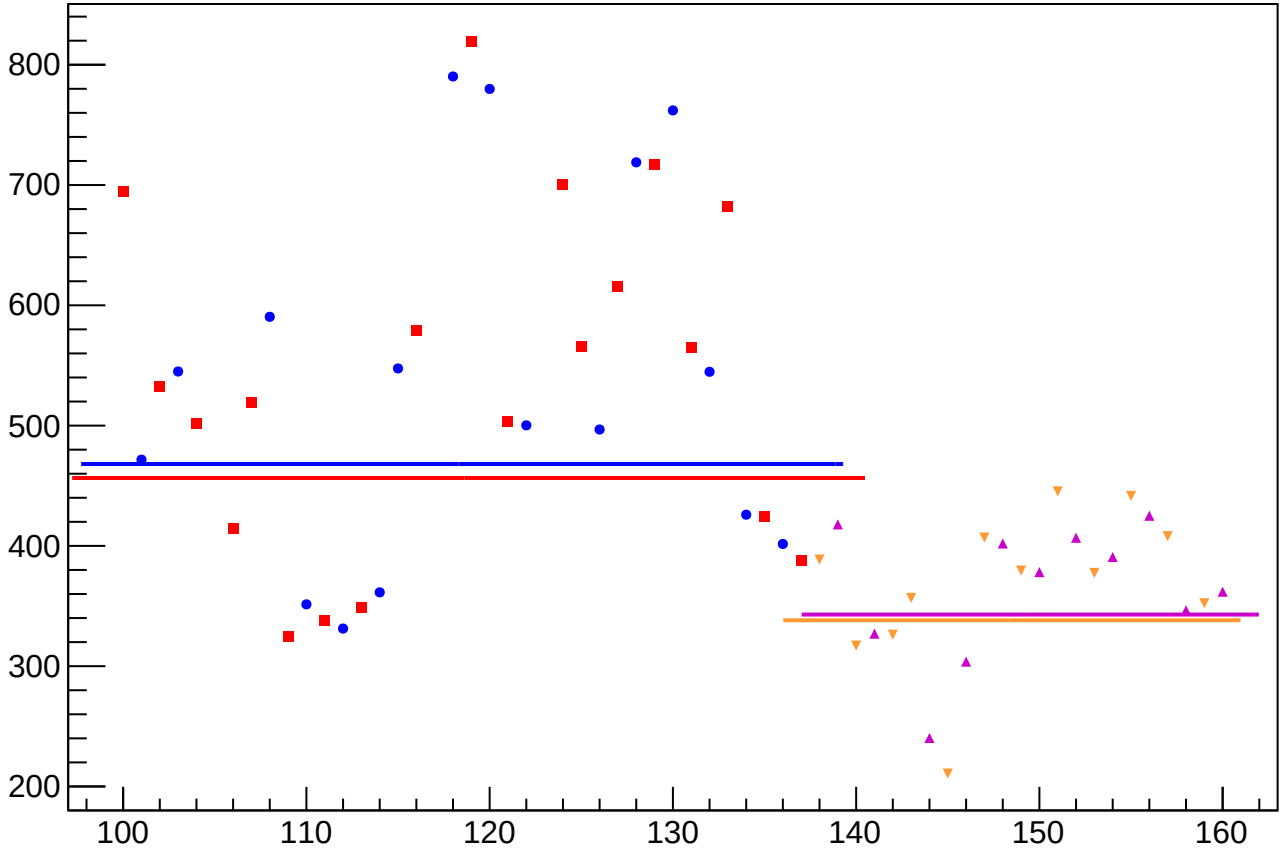
Left In: -64.211+/-113.371 χ^2/NDF:14.3/10

+ sign 284.763+/-95.652 χ^2/NDF: 54.0/27

All: 167.353+/-67.379 χ^2/NDF: 91.3/57

- 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: 338.164+/-0.080 χ^2/NDF:945850.0/11

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

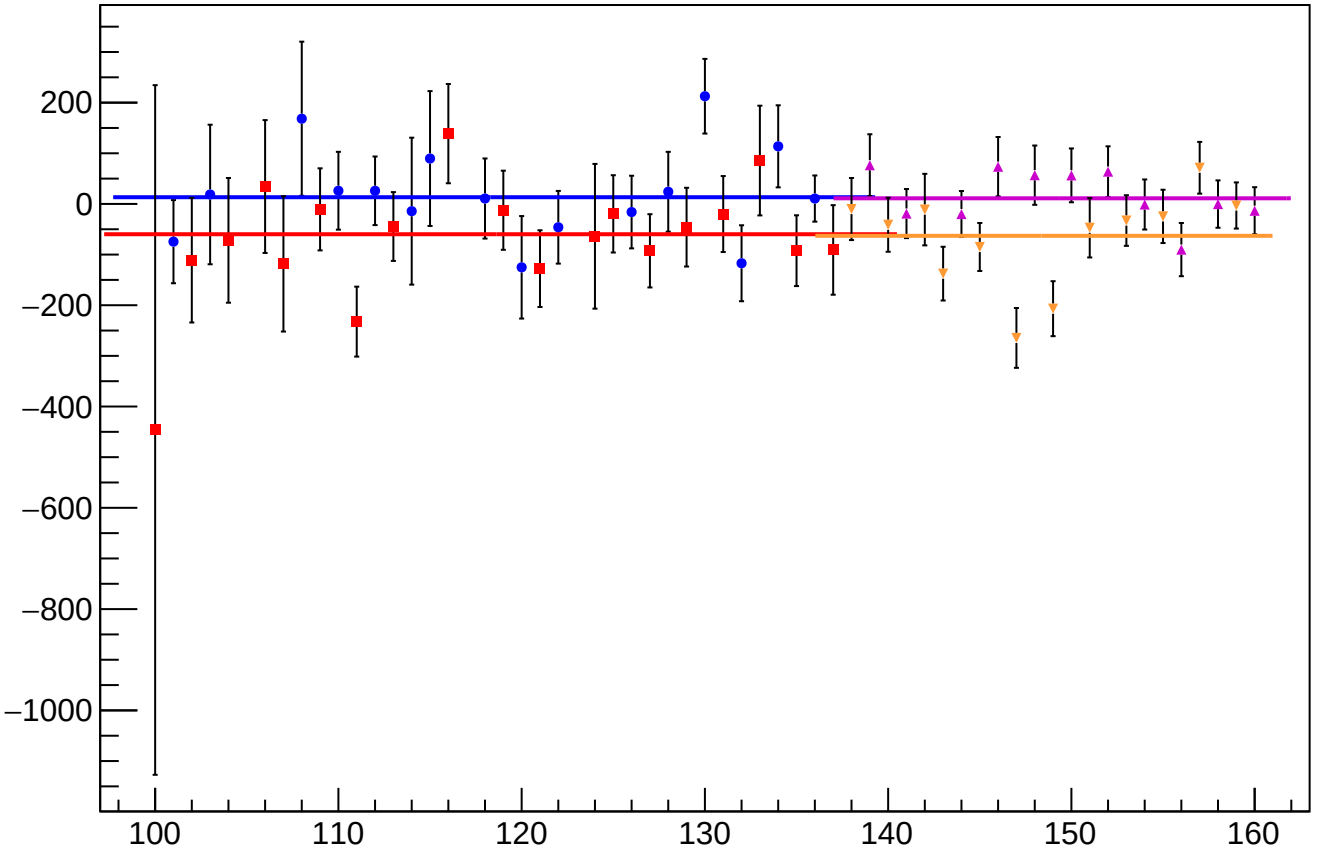
Left In: 342.918+/-0.080 χ^2/NDF:584916.3/10

+ sign 374.494+/-0.068 χ^2/NDF: 2671861.8/27

All: 375.685+/-0.048 χ^2/NDF: 4939647.6/57

- 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: -62.964+/-15.501 χ^2/NDF:31.9/11

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

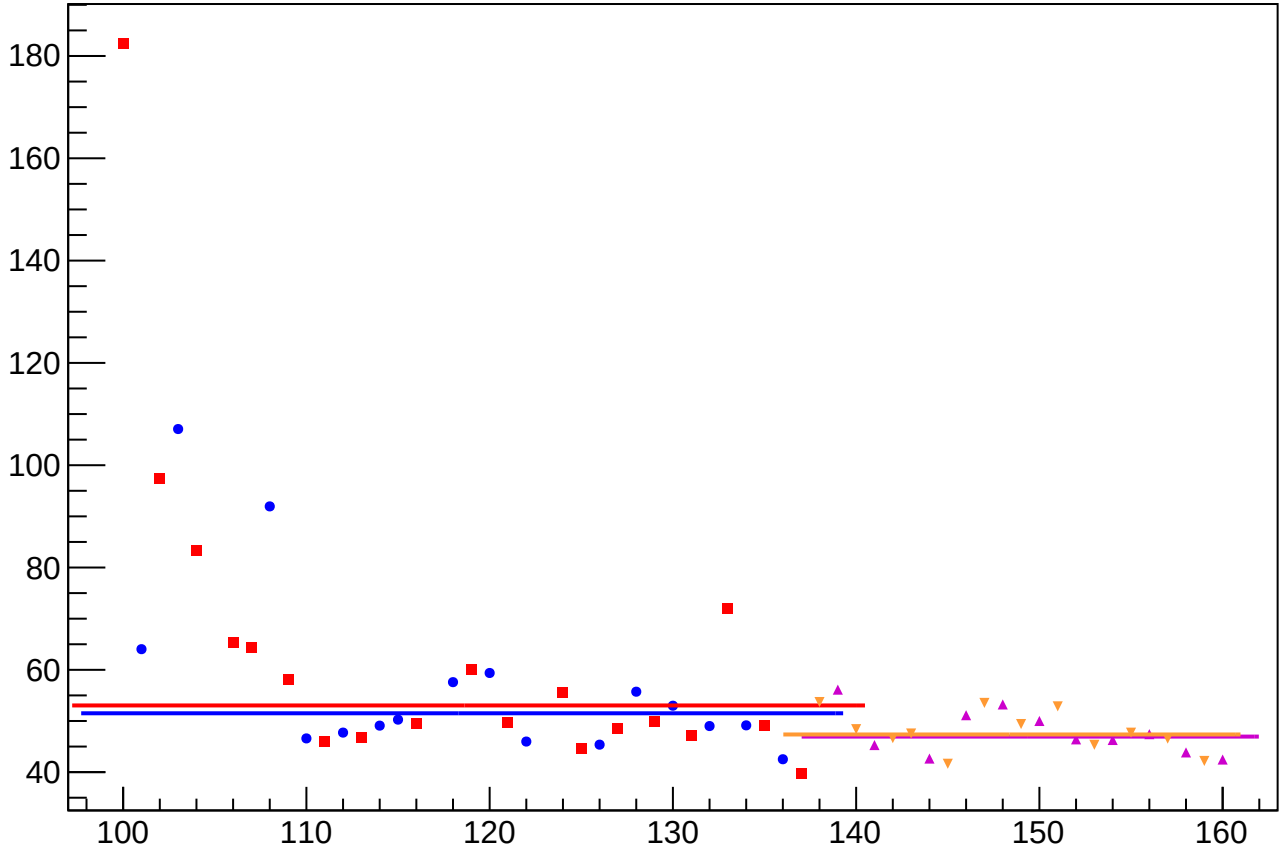
Left In: 11.104+/-15.416 χ^2/NDF:9.7/10

+ sign -34.085+/-12.217 χ^2/NDF: 58.3/27

All: -24.548+/-8.655 χ^2/NDF: 93.1/57

- 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: 47.363+/-0.011 χ^2/NDF:123417.1/11

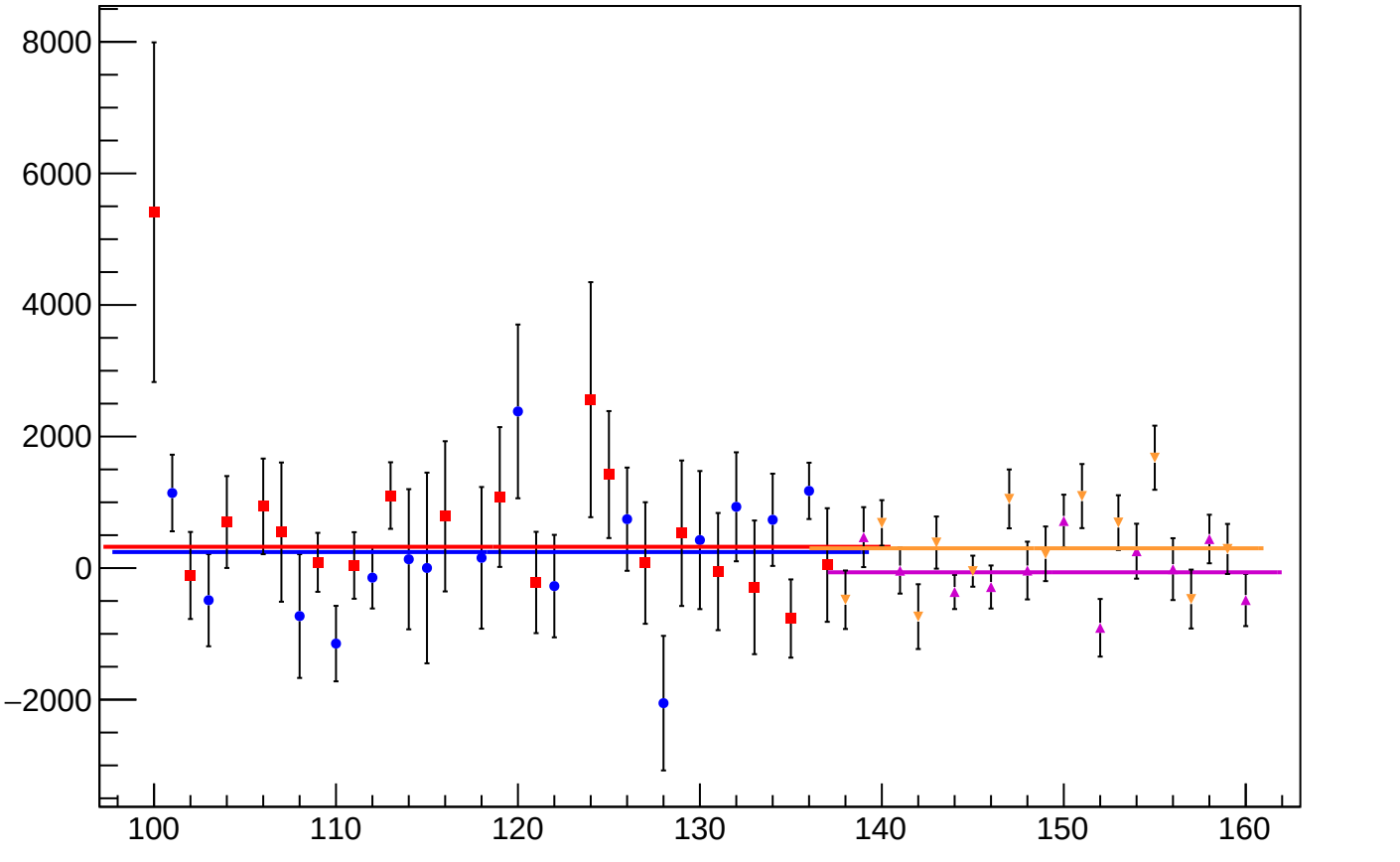
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 46.949+/-0.011 χ^2/NDF:133280.6/10

+ sign 48.933+/-0.009 χ^2/NDF: 844586.8/27

All: 49.058+/-0.006 χ^2/NDF: 1805778.3/57

- 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: 300.657+/-112.702 χ^2/NDF:28.4/11

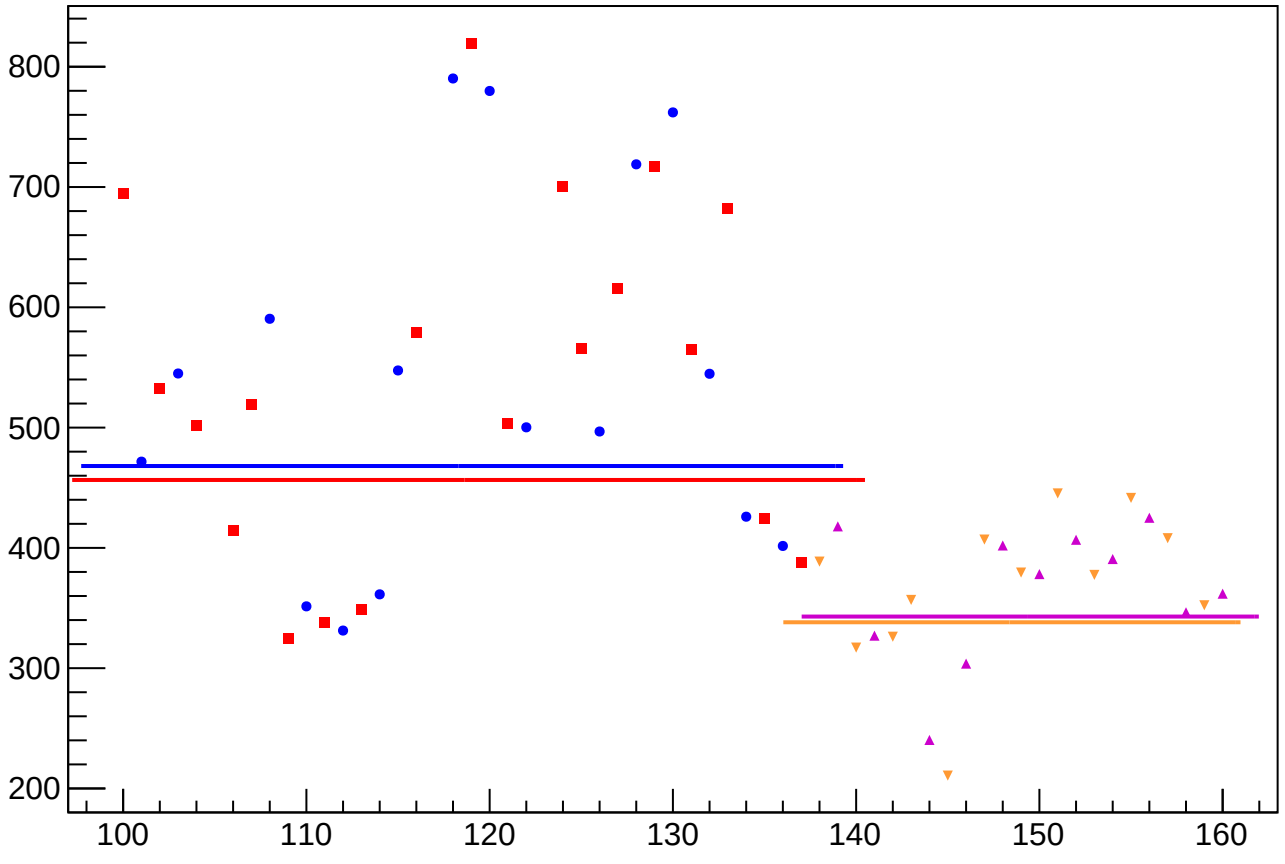
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -64.211+/-113.371 χ^2/NDF:14.3/10

\+ sign 284.763+/-95.652 χ^2/NDF: 54.0/27

All: 167.353+/-67.379 χ^2/NDF: 91.3/57

\- 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: 338.164+/-0.080 χ^2/NDF:945854.7/11

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

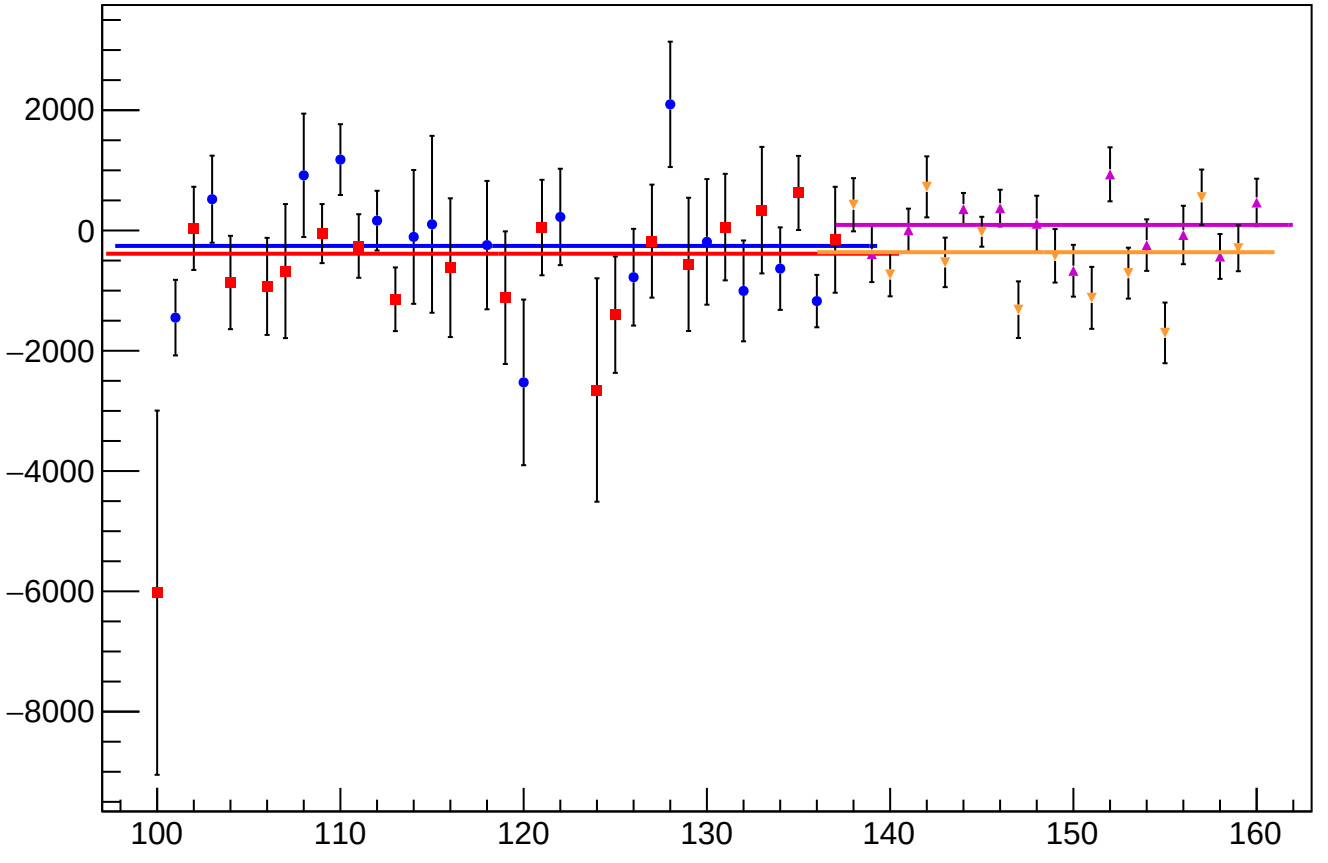
Left In: 342.918+/-0.080 χ^2/NDF:584917.8/10

+ sign 374.494+/-0.068 χ^2/NDF: 2671859.9/27

All: 375.685+/-0.048 χ^2/NDF: 4939636.0/57

- sign 376.858+/-0.067 χ^2/NDF: 2267160.4/29

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -361.361+/-116.967 χ^2/NDF:28.9/11

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

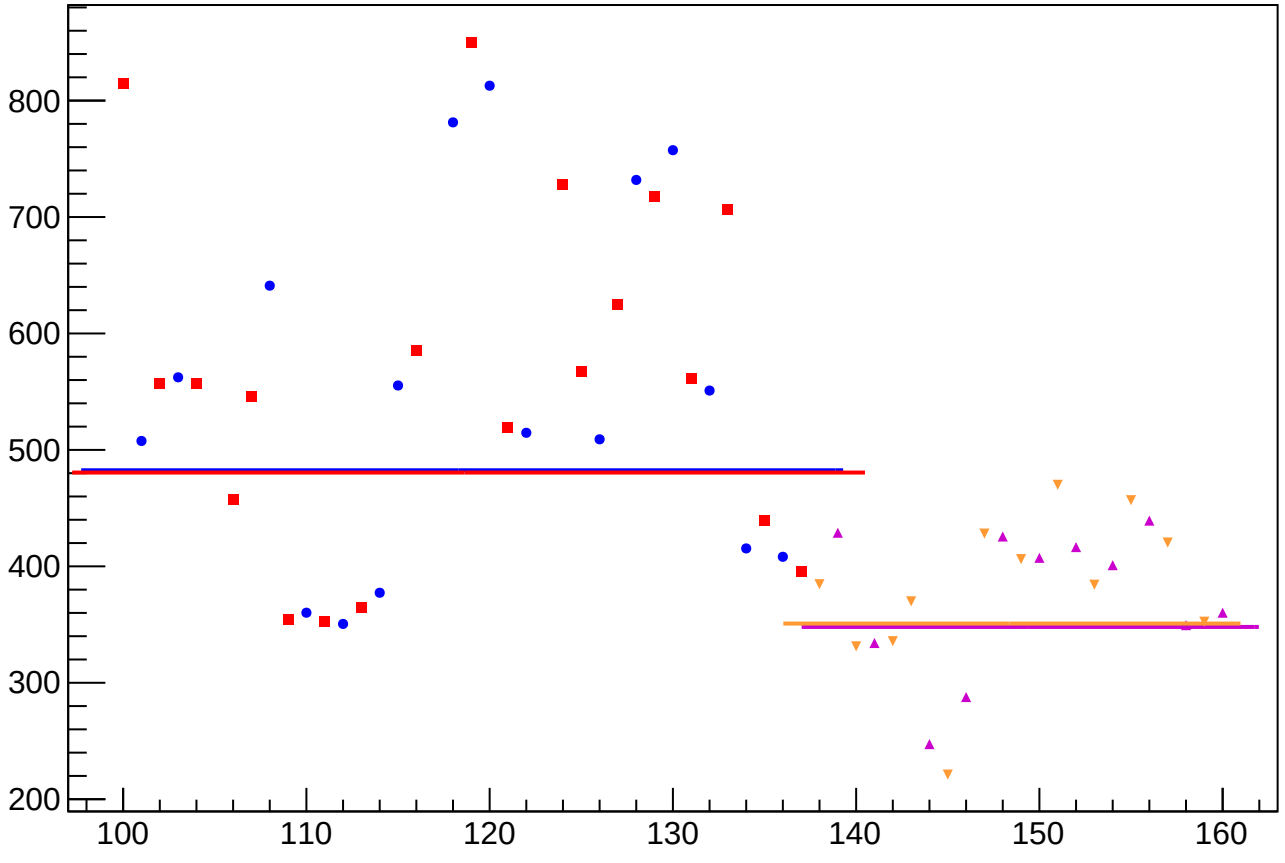
Left In: 92.812+/-115.196 χ^2/NDF:13.2/10

+ sign -331.820+/-99.085 χ^2/NDF: 56.0/27

All: -185.370+/-69.458 χ^2/NDF: 92.7/57

- 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: 350.854+/-0.083 χ^2/NDF:905547.7/11

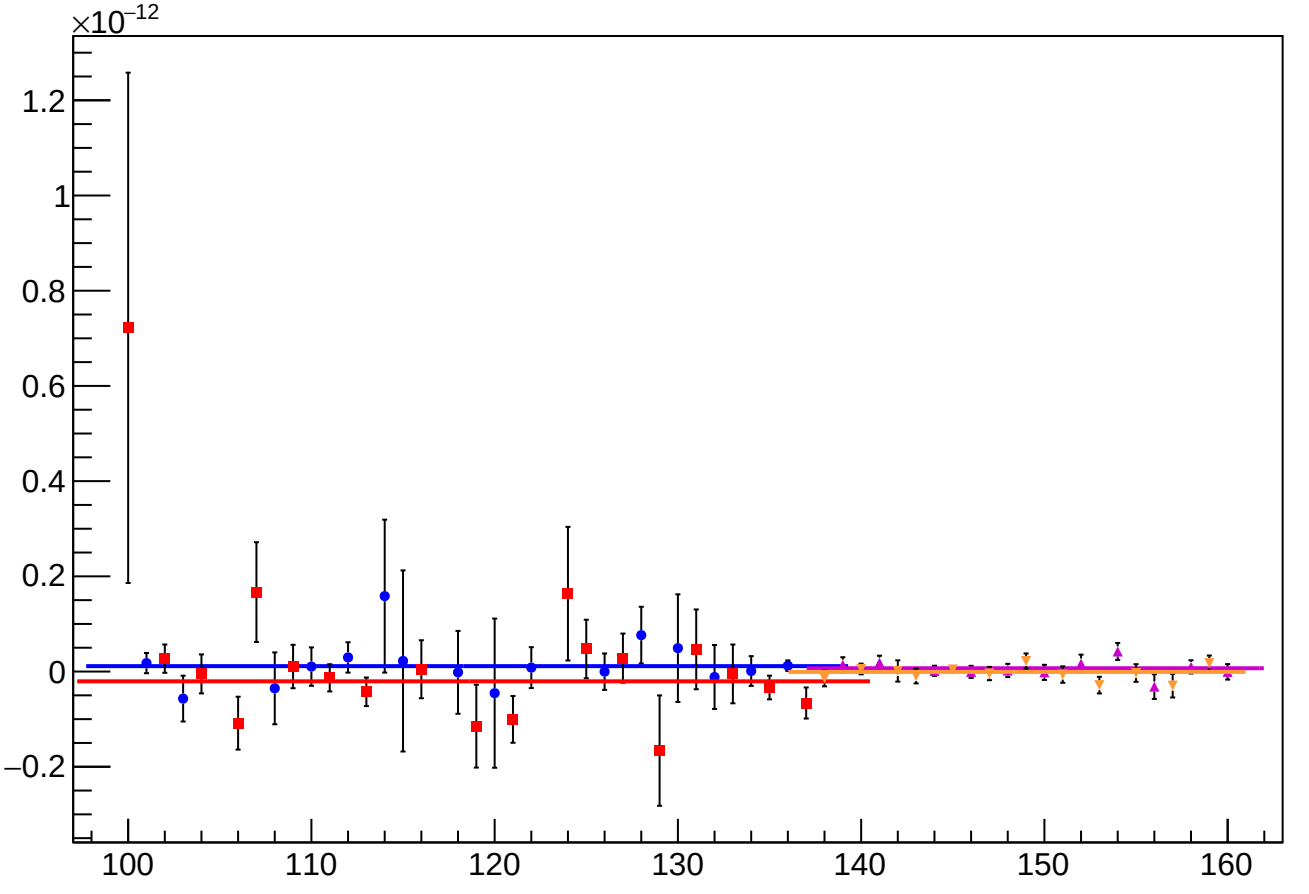
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 347.963+/-0.081 χ^2/NDF:666563.4/10

+ sign 388.032+/-0.070 χ^2/NDF: 2567619.3/27

All: 386.888+/-0.049 χ^2/NDF: 4984282.9/57

- sign 385.782+/-0.069 χ^2/NDF: 2416138.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/11

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

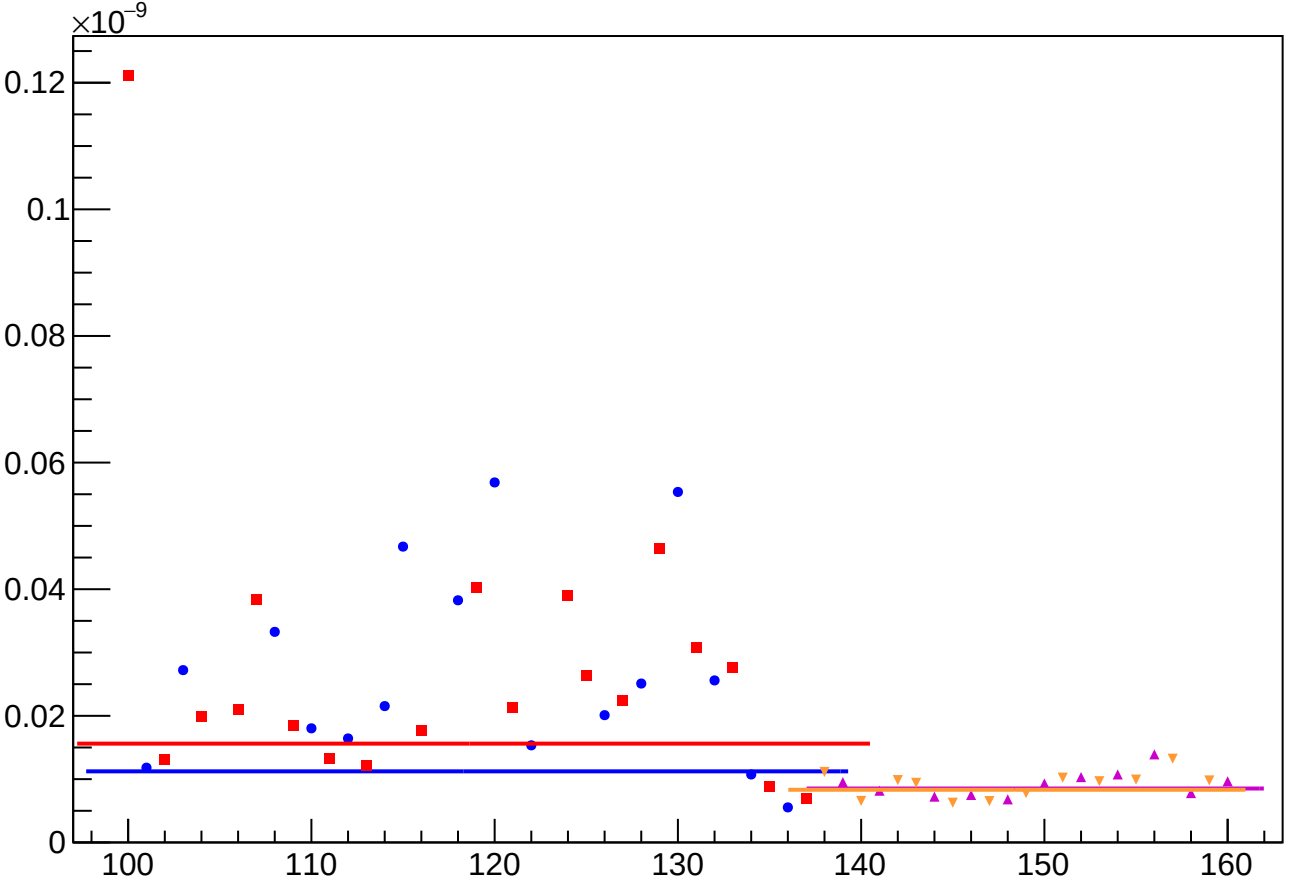
Left In: 0.000+/-0.000 χ^2/NDF:8.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 16.1/27

All: 0.000+/-0.000 χ^2/NDF: 54.4/57

- sign 0.000+/-0.000 χ^2/NDF: 38.3/29

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:393392.8/11

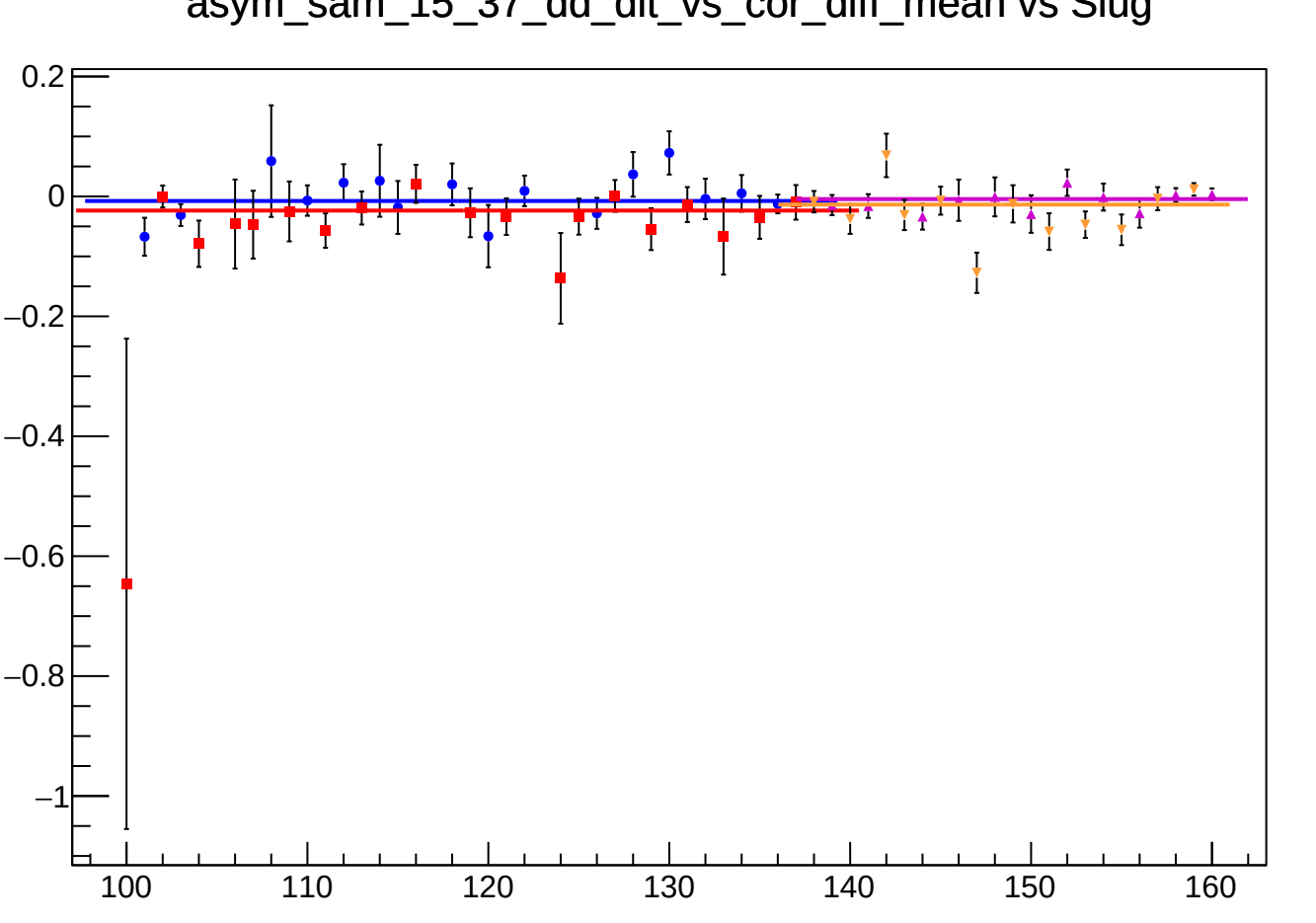
Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:237260.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 2700438.6/27

All: 0.000+/-0.000 χ^2/NDF: 4951570.2/57

- sign 0.000+/-0.000 χ^2/NDF: 2222302.4/29



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.006 χ^2/NDF:31.4/11

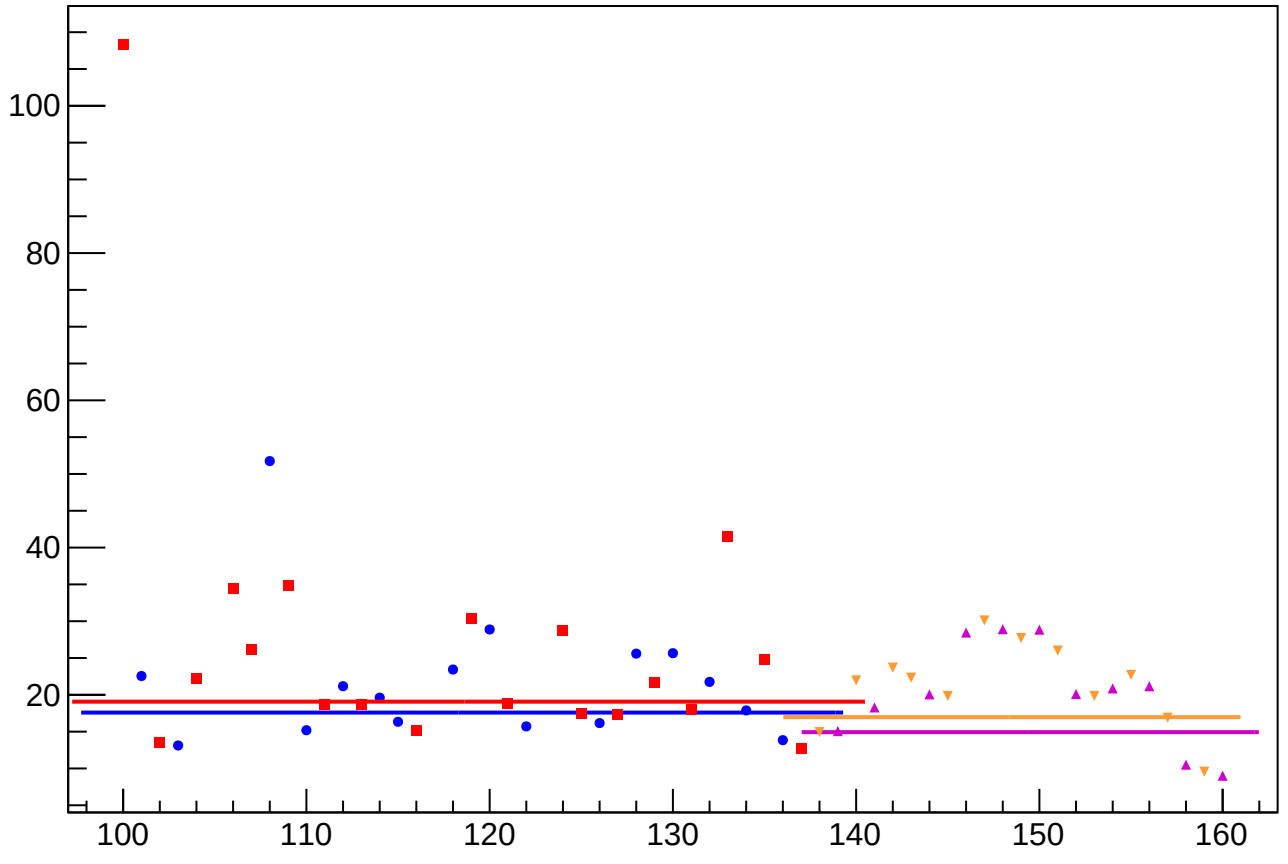
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.004+/-0.005 χ^2/NDF:6.6/10

+ sign -0.011+/-0.005 χ^2/NDF: 48.5/27

All: -0.011+/-0.003 χ^2/NDF: 73.9/57

- 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: 16.970+/-0.004 χ^2/NDF:2150900.9/11

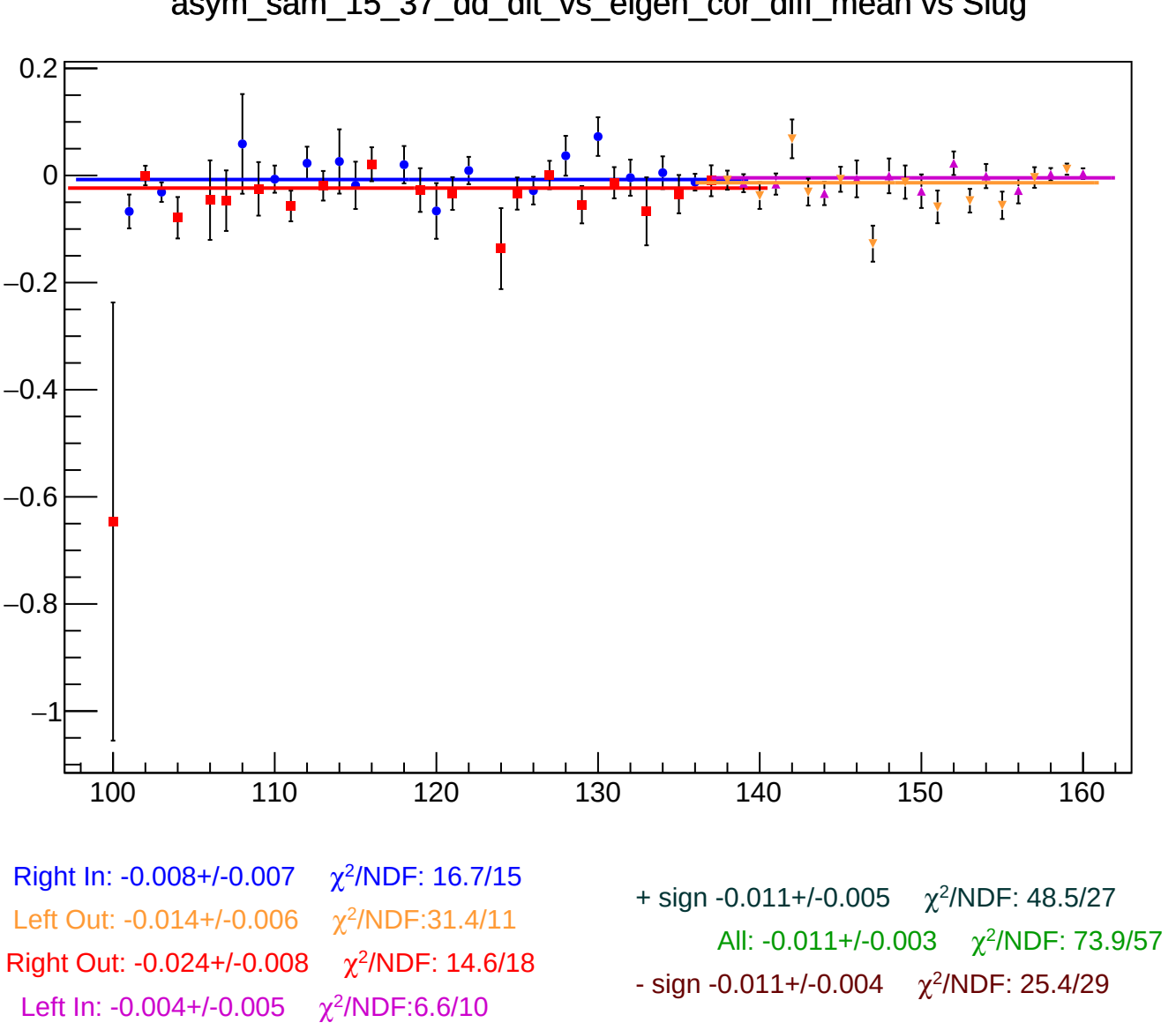
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

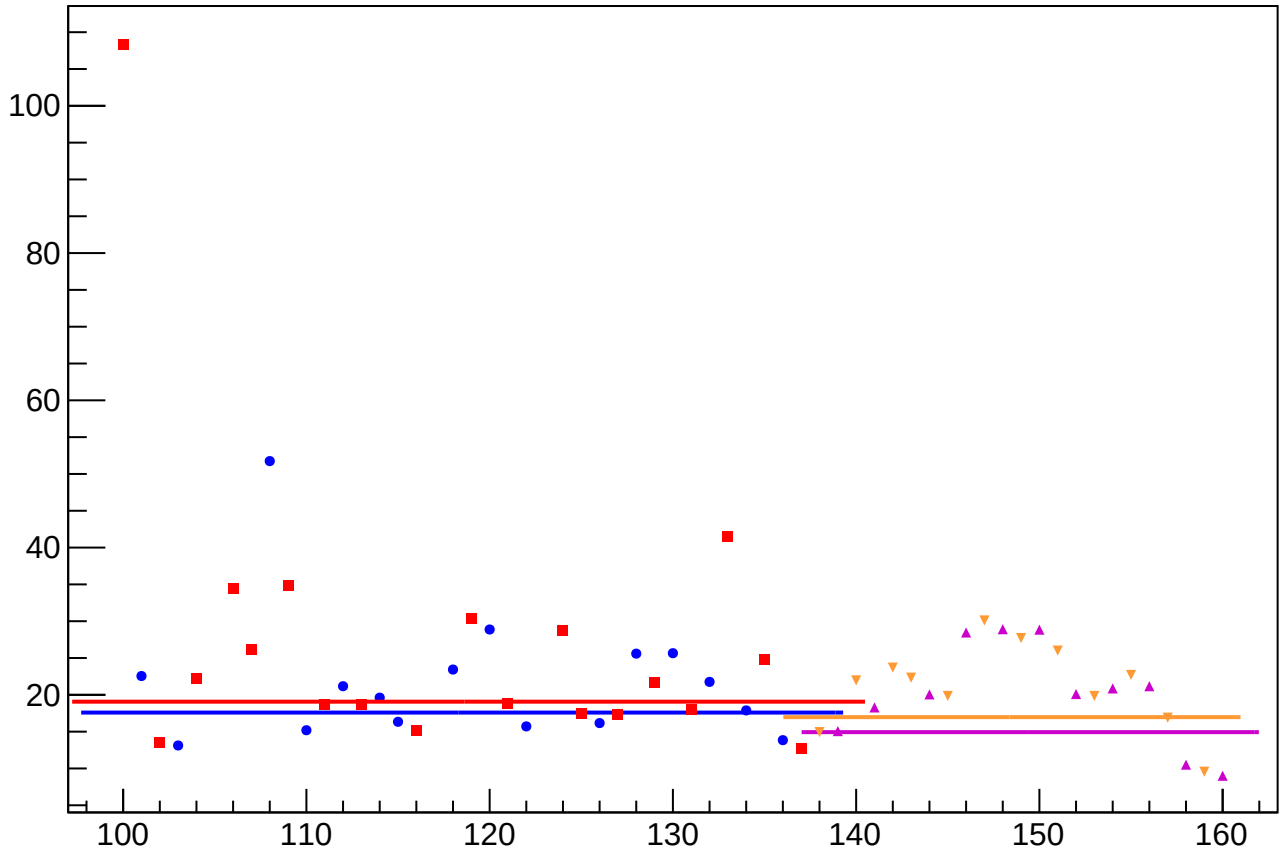
Left In: 14.932+/-0.004 χ^2/NDF:2615727.2/10

+ sign 17.227+/-0.003 χ^2/NDF: 3152893.3/27

All: 16.738+/-0.002 χ^2/NDF: 7443387.4/57

- sign 16.290+/-0.003 χ^2/NDF: 4247827.5/29


asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
Right In: -0.008+/-0.007 χ²/NDF: 16.7/15
Left Out: -0.014+/-0.006 χ²/NDF:31.4/11
Right Out: -0.024+/-0.008 χ²/NDF: 14.6/18
Left In: -0.004+/-0.005 χ²/NDF:6.6/10
+ sign -0.011+/-0.005 χ²/NDF: 48.5/27
All: -0.011+/-0.003 χ²/NDF: 73.9/57
- sign -0.011+/-0.004 χ²/NDF: 25.4/29



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.970+/-0.004 χ^2/NDF:2150900.9/11

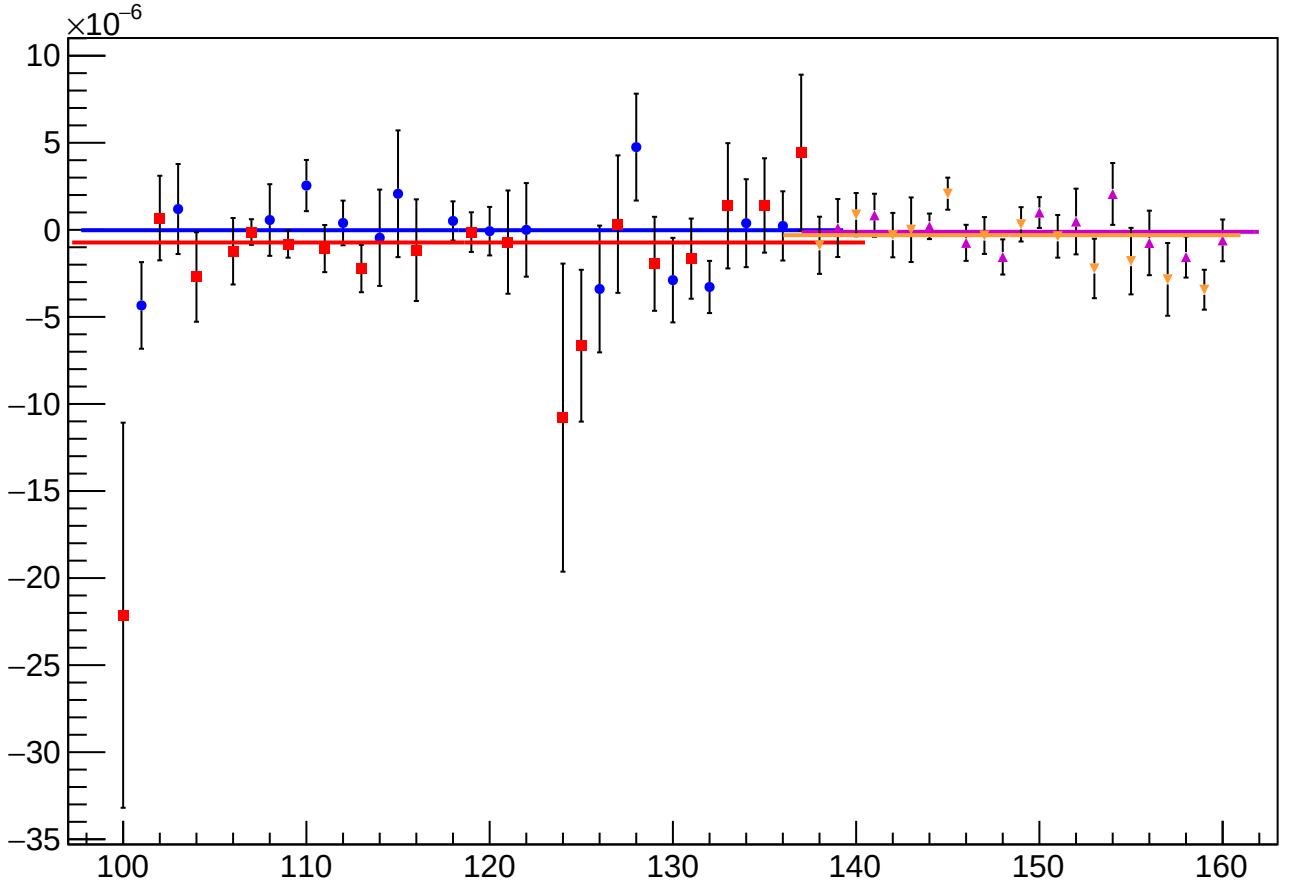
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.932+/-0.004 χ^2/NDF:2615727.2/10

+ sign 17.227+/-0.003 χ^2/NDF: 3152893.3/27

All: 16.738+/-0.002 χ^2/NDF: 7443387.4/57

- 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:19.0/11

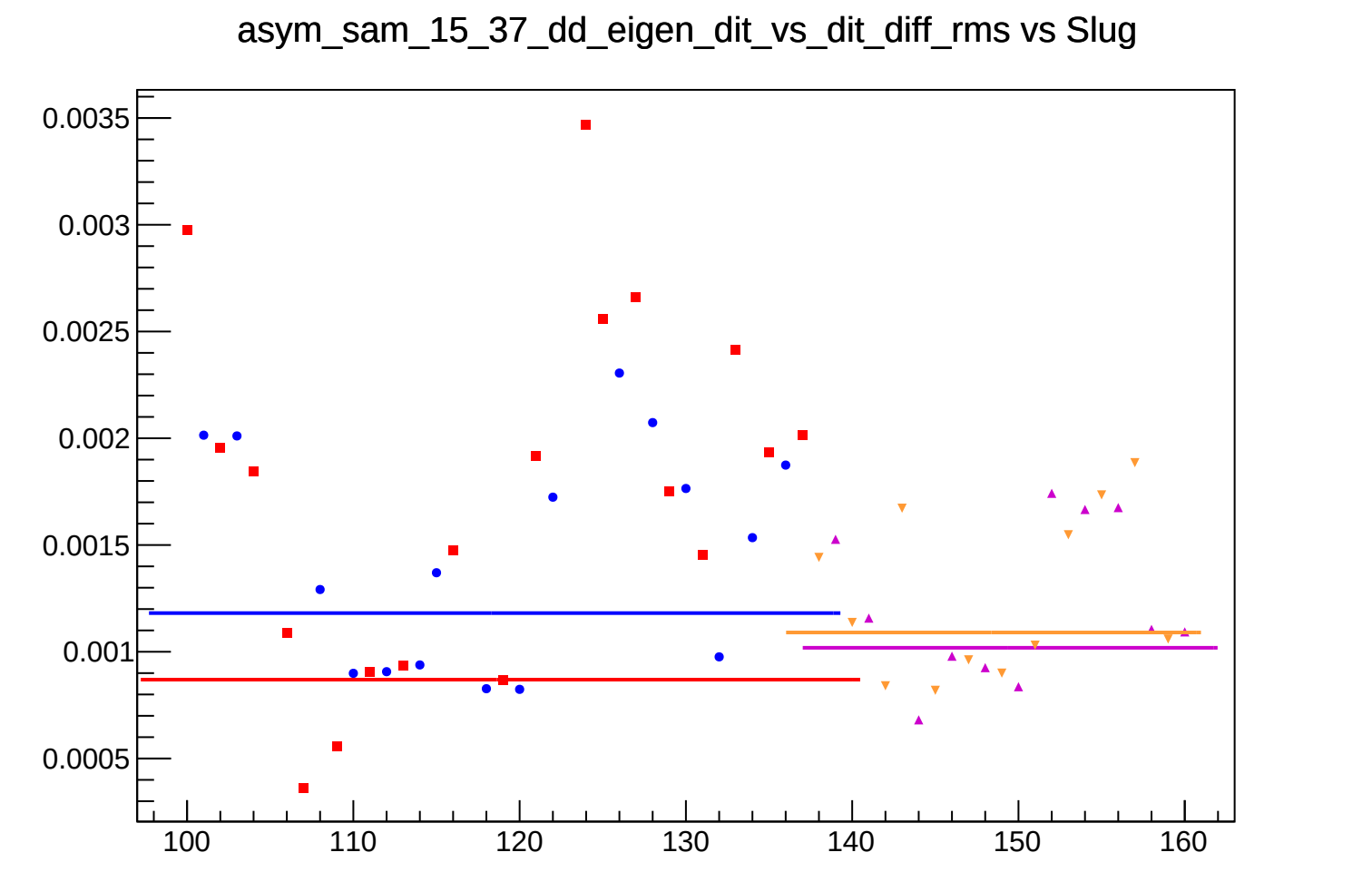
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.7/27

All: -0.000+/-0.000 χ^2/NDF: 58.4/57

- sign -0.000+/-0.000 χ^2/NDF: 22.5/29



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1312007.5/11

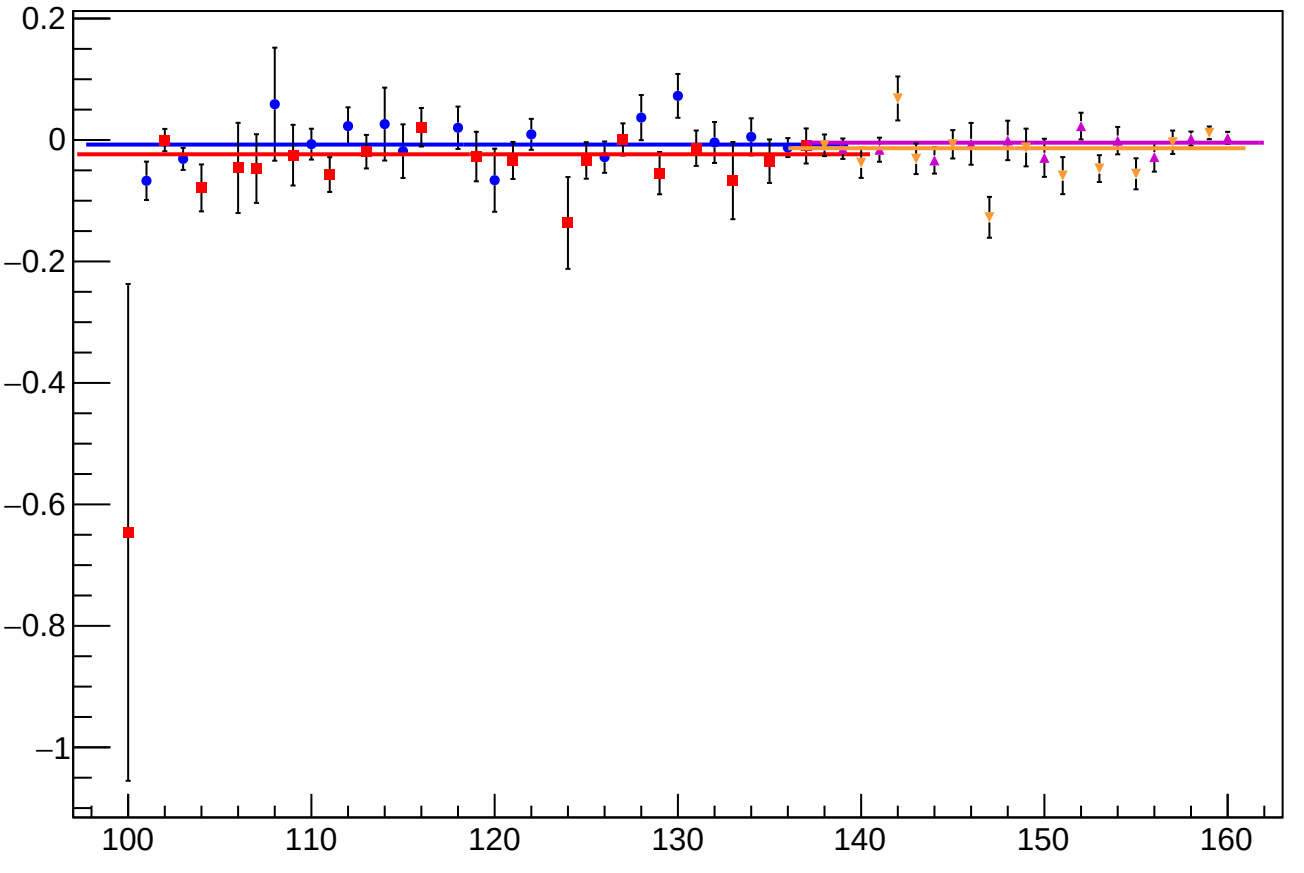
Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:1569180.7/10

+ sign 0.001+/-0.000 χ^2/NDF: 3186037.2/27

All: 0.001+/-0.000 χ^2/NDF: 9758755.0/57

- sign 0.001+/-0.000 χ^2/NDF: 6172723.7/29



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.014+/-0.006 χ^2/NDF:31.4/11

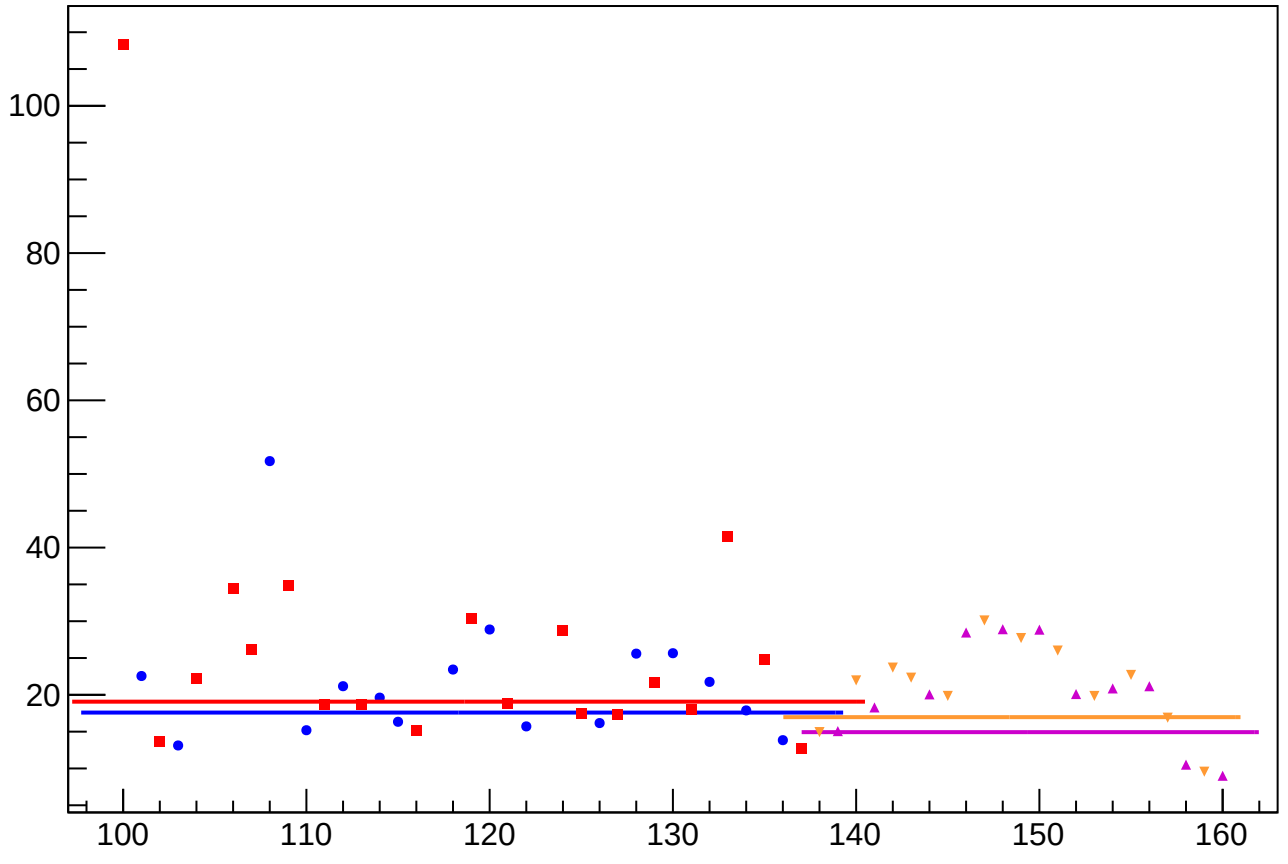
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.004+/-0.005 χ^2/NDF:6.6/10

+ sign -0.011+/-0.005 χ^2/NDF: 48.5/27

All: -0.011+/-0.003 χ^2/NDF: 73.9/57

- 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: 16.969+/-0.004 χ^2/NDF:2151171.3/11

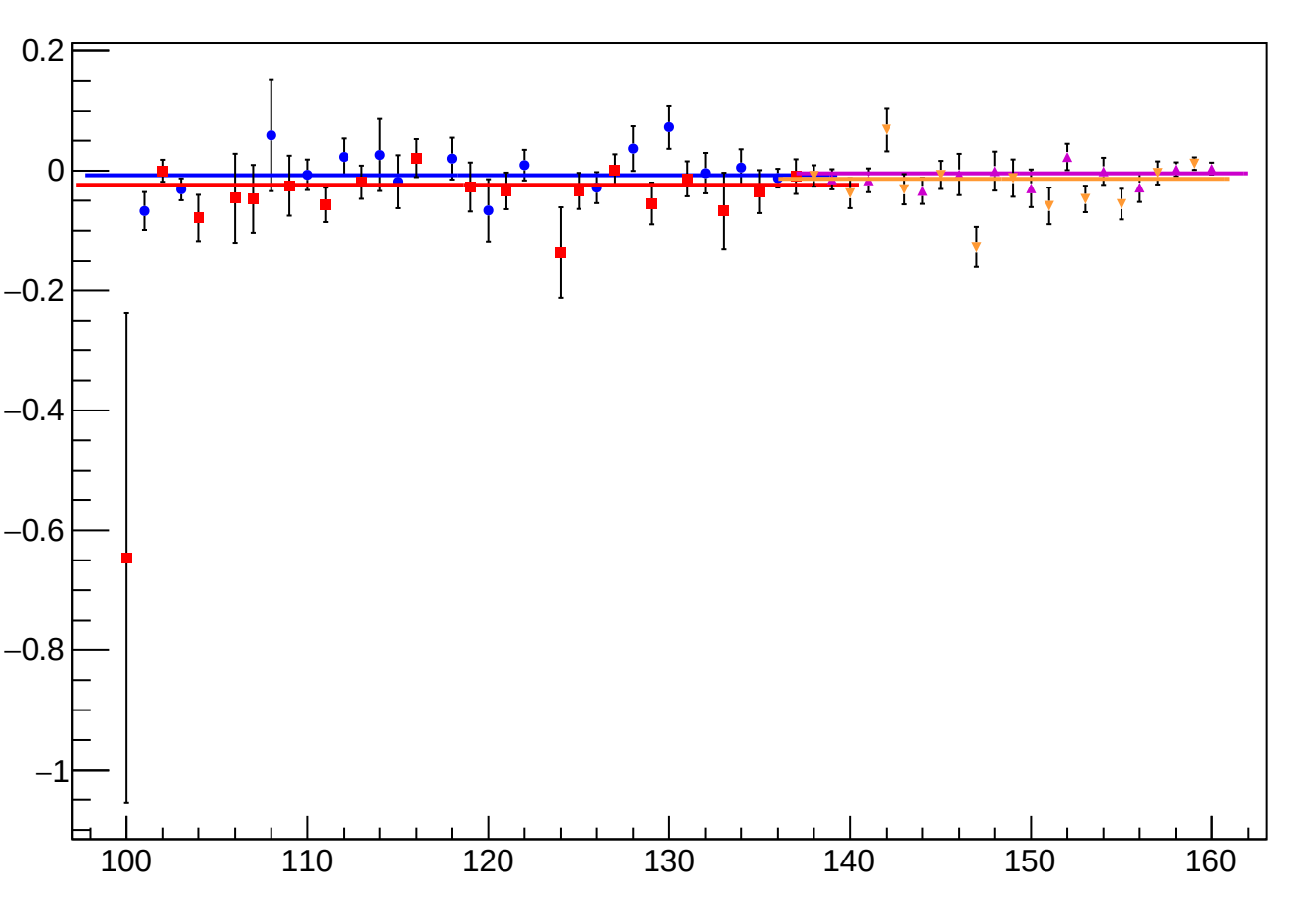
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.932+/-0.004 χ^2/NDF:2616056.7/10

+ sign 17.227+/-0.003 χ^2/NDF: 3153212.7/27

All: 16.738+/-0.002 χ^2/NDF: 7444109.9/57

- 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: -0.014+/-0.006 χ^2/NDF:31.4/11

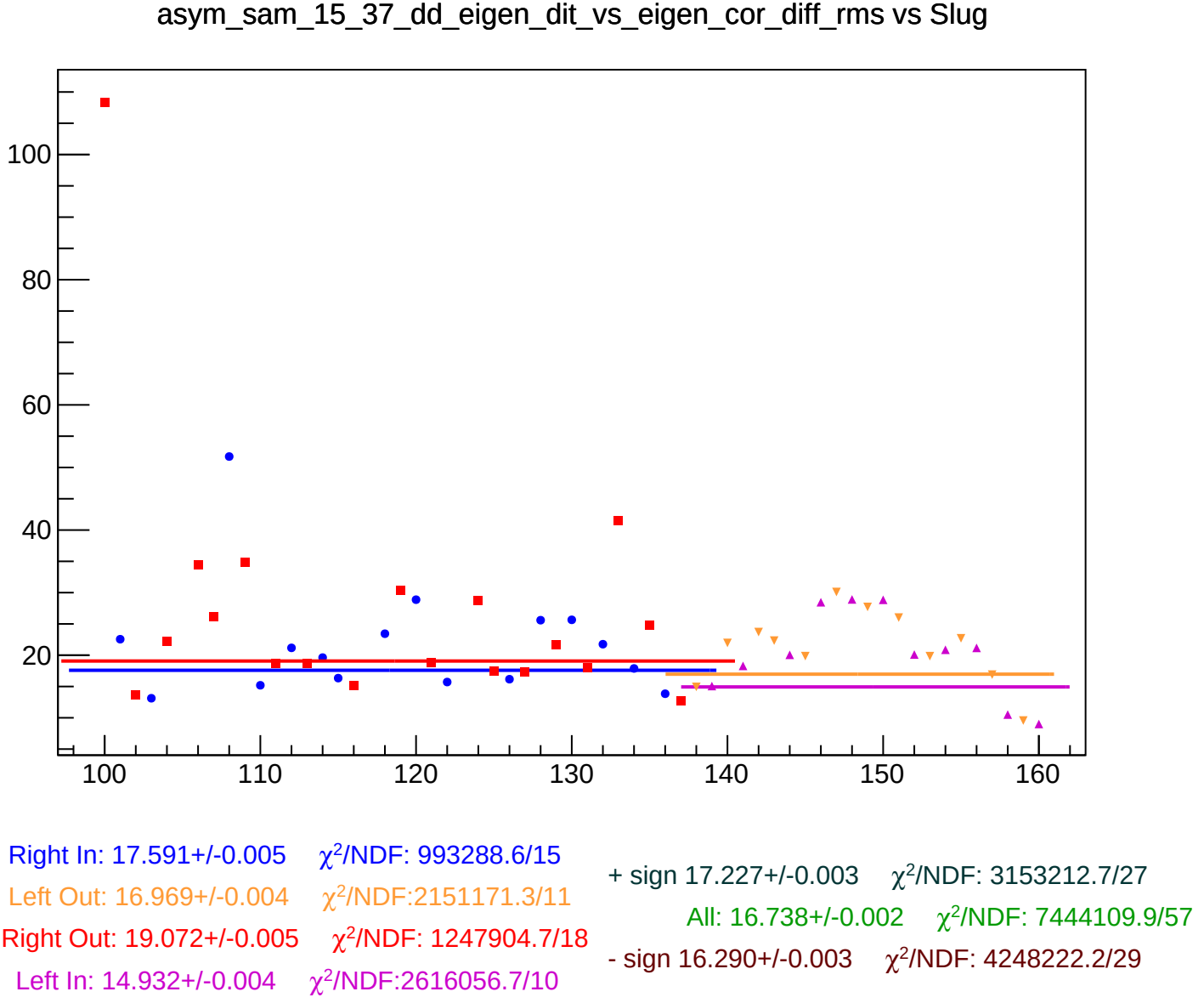
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

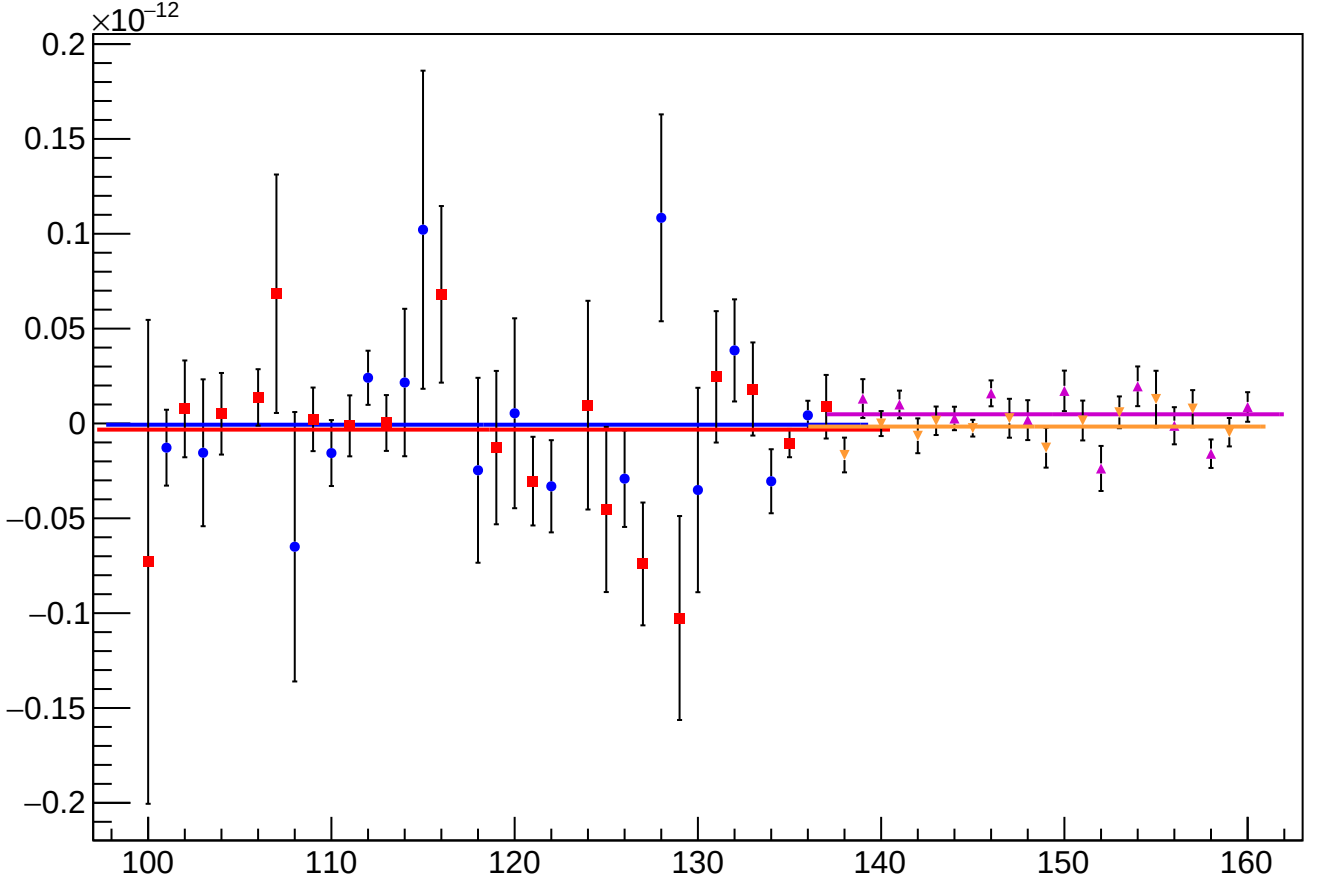
Left In: -0.004+/-0.005 χ^2/NDF:6.6/10

+ sign -0.011+/-0.005 χ^2/NDF: 48.5/27

All: -0.011+/-0.003 χ^2/NDF: 73.9/57

- sign -0.011+/-0.004 χ^2/NDF: 25.4/29


asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
60
40
20
100
110
120
130
140
150
160
Right In: 17.591+/-0.005 χ²/NDF: 993288.6/15
Left Out: 16.969+/-0.004 χ²/NDF:2151171.3/11
Right Out: 19.072+/-0.005 χ²/NDF: 1247904.7/18
Left In: 14.932+/-0.004 χ²/NDF:2616056.7/10
+ sign 17.227+/-0.003 χ²/NDF: 3153212.7/27
All: 16.738+/-0.002 χ²/NDF: 7444109.9/57
- sign 16.290+/-0.003 χ²/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:7.5/11

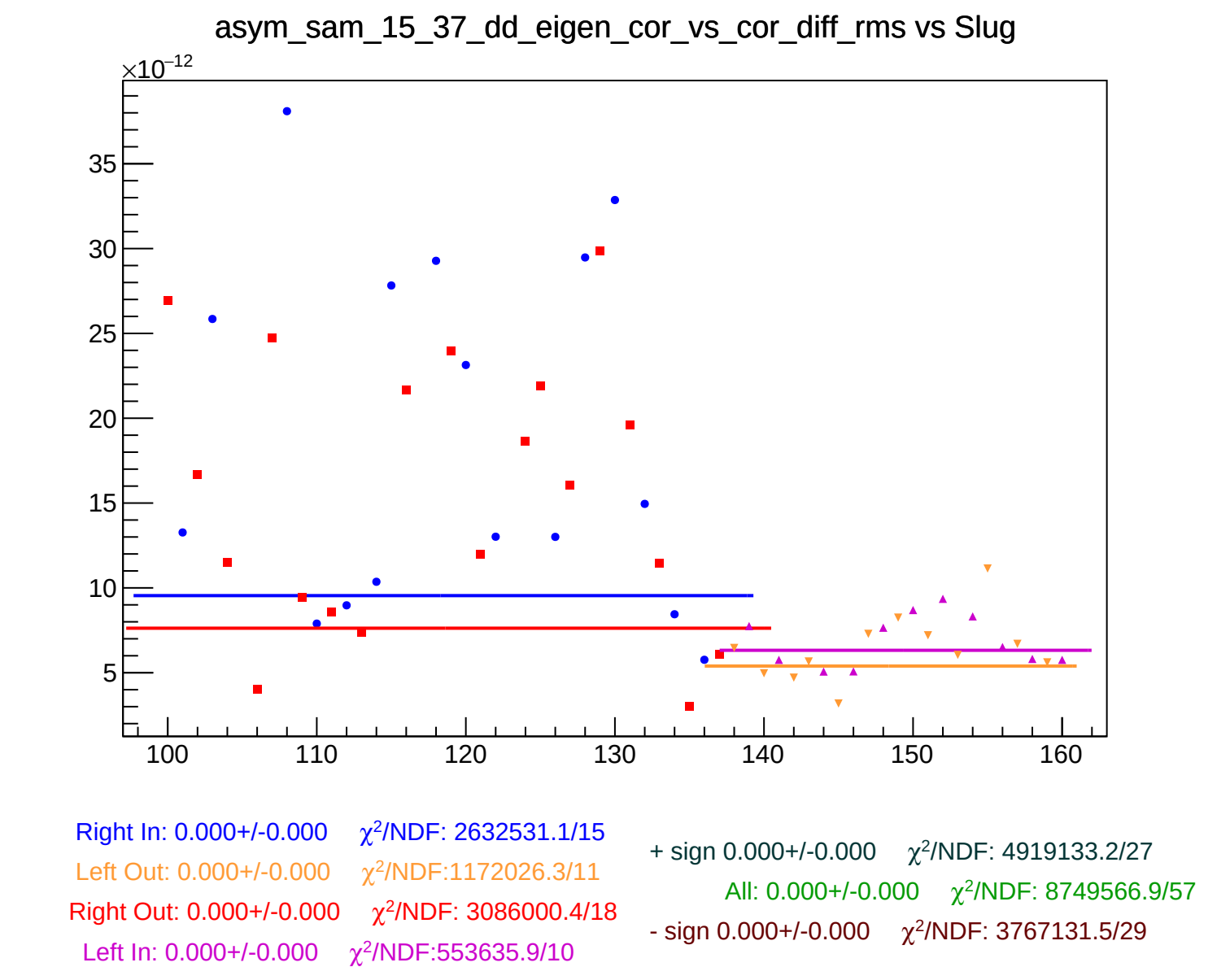
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:21.4/10

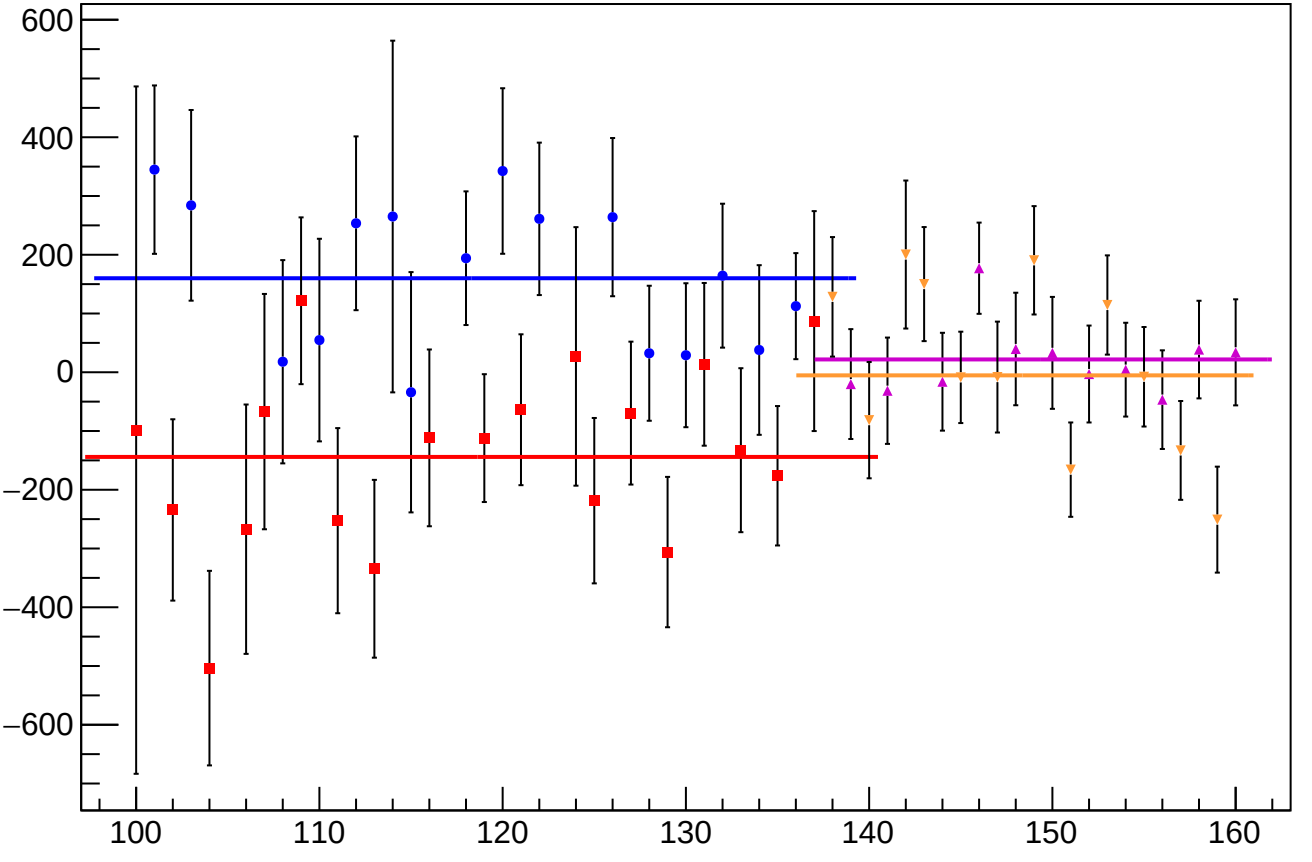
+ sign -0.000+/-0.000 χ^2/NDF: 27.8/27

All: 0.000+/-0.000 χ^2/NDF: 72.8/57

- sign 0.000+/-0.000 χ^2/NDF: 43.0/29


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻¹²
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1172026.3/11
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:553635.9/10
+ sign 0.000+/-0.000 χ²/NDF: 4919133.2/27
All: 0.000+/-0.000 χ²/NDF: 8749566.9/57
- sign 0.000+/-0.000 χ²/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: -5.287+/-26.153 χ^2/NDF:27.8/11

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

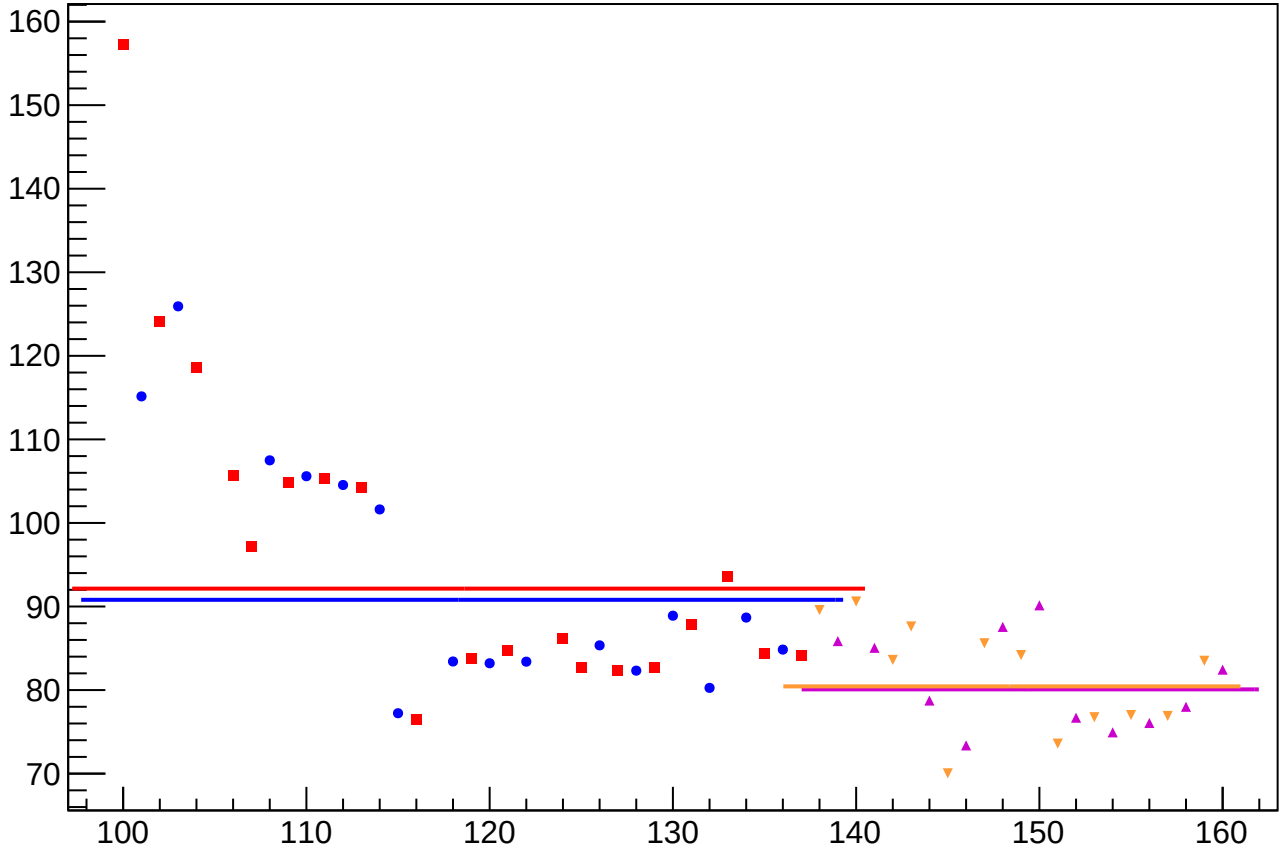
Left In: 21.812+/-26.000 χ^2/NDF:5.7/10

+ sign 55.781+/-20.768 χ^2/NDF: 53.6/27

All: 8.271+/-14.661 χ^2/NDF: 102.0/57

- 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: 80.440+/-0.018 χ^2/NDF:121996.4/11

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

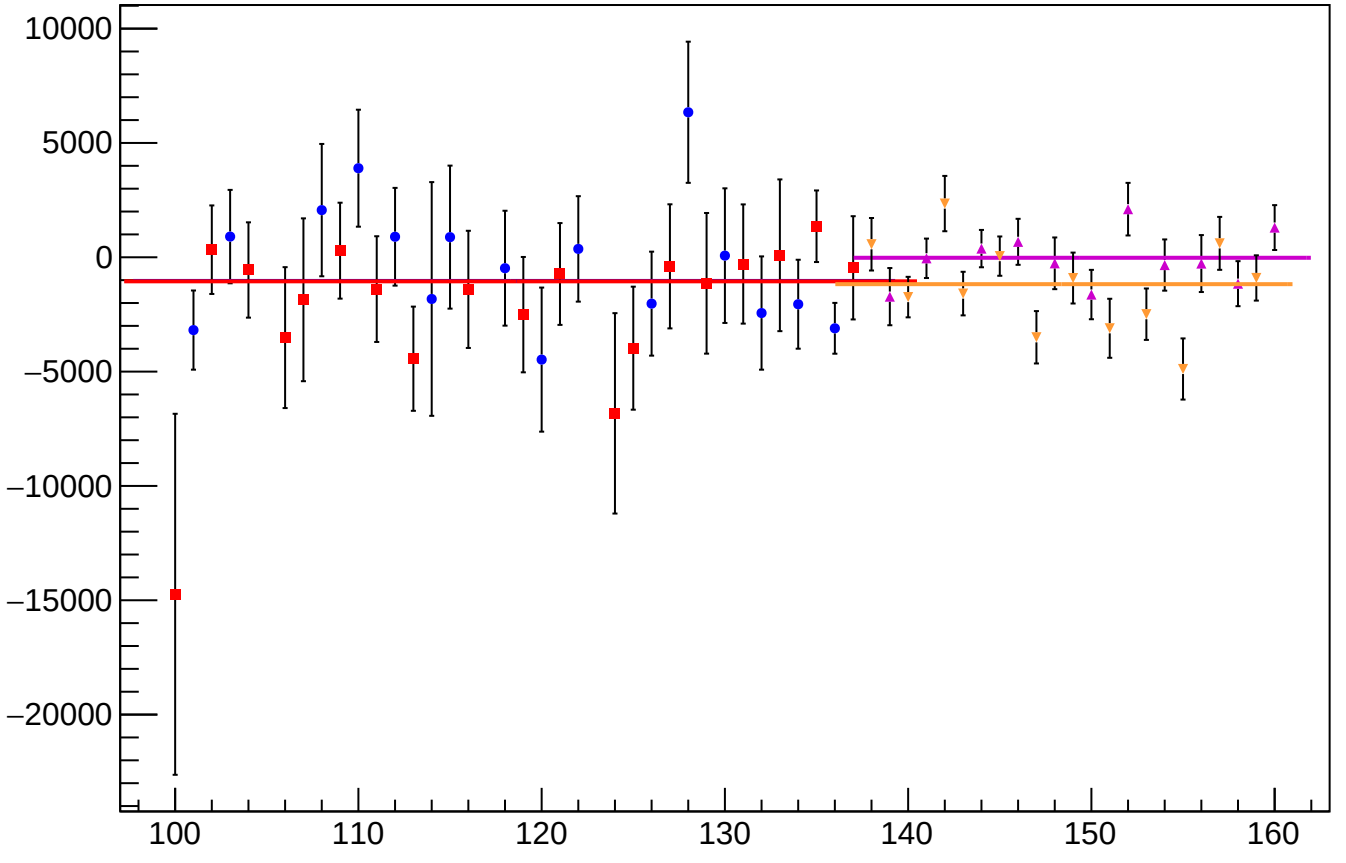
Left In: 80.082+/-0.018 χ^2/NDF:82497.7/10

+ sign 84.268+/-0.015 χ^2/NDF: 510732.9/27

All: 84.383+/-0.010 χ^2/NDF: 1052886.3/57

- sign 84.497+/-0.015 χ^2/NDF: 542031.2/29

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1175.742+/-309.249 χ^2/NDF:31.3/11

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

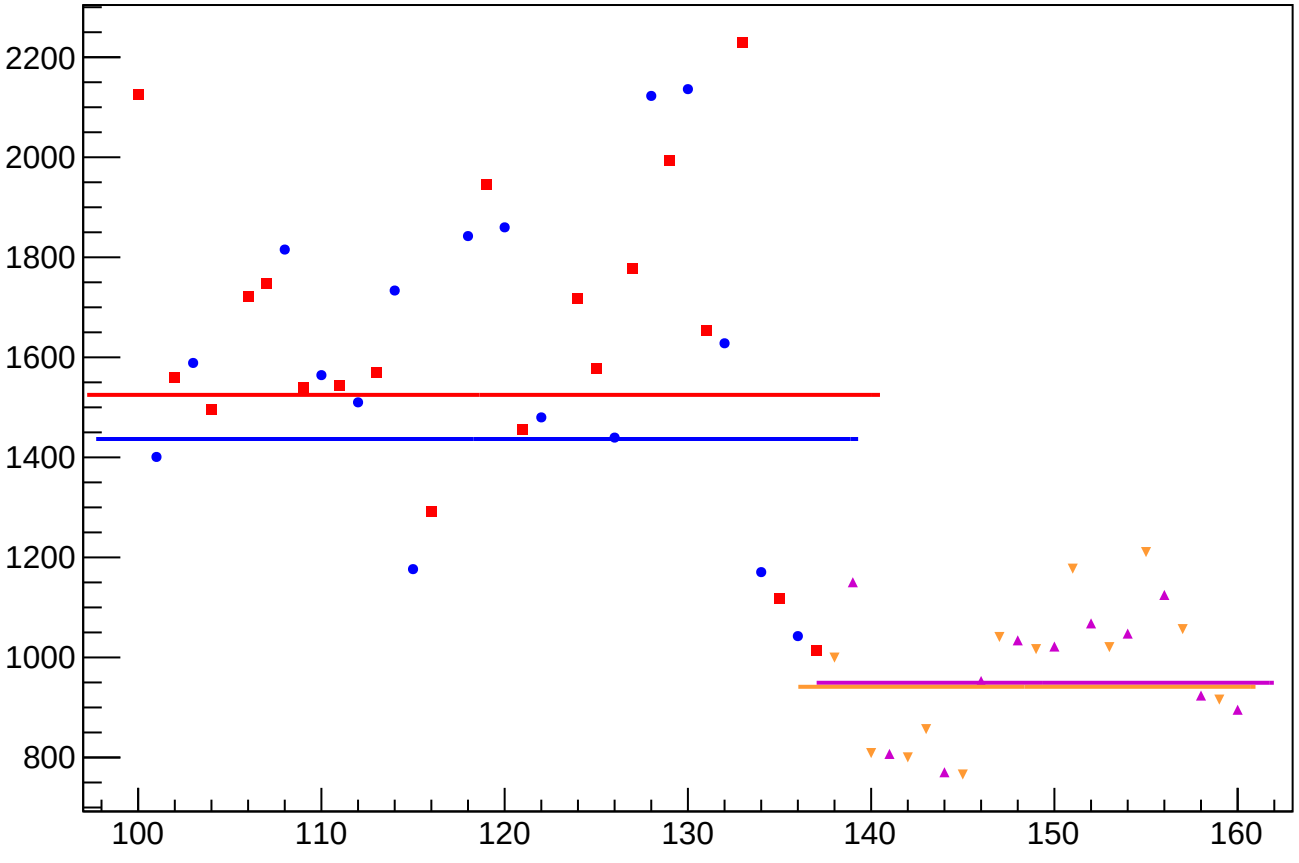
Left In: -21.815+/-310.398 χ^2/NDF:11.5/10

+ sign -1141.962+/-269.584 χ^2/NDF: 51.6/27

All: -704.711+/-191.641 χ^2/NDF: 83.9/57

- 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: 941.332+/-0.219 χ^2/NDF:379620.7/11

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

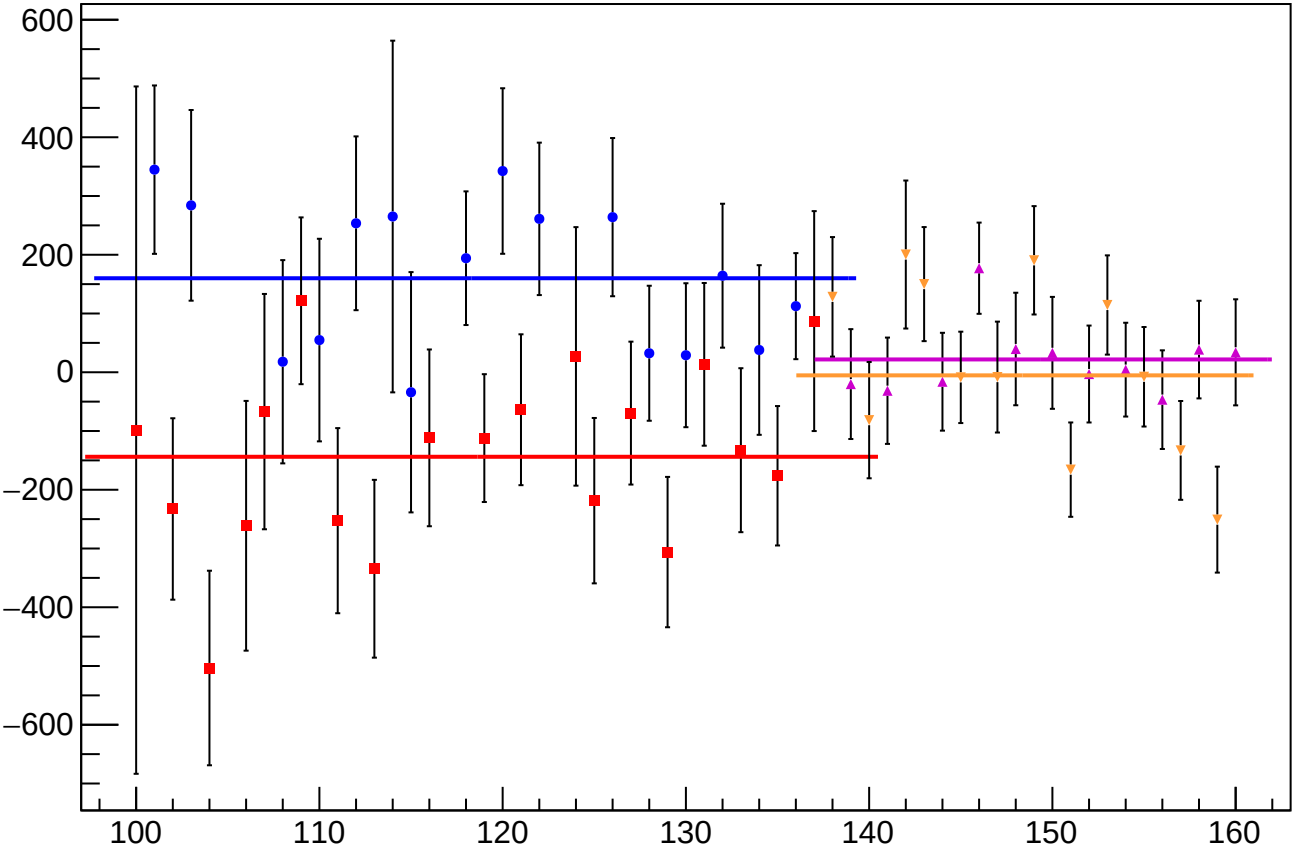
Left In: 949.381+/-0.219 χ^2/NDF:306170.2/10

+ sign 1060.263+/-0.191 χ^2/NDF: 2287454.4/27

All: 1070.721+/-0.136 χ^2/NDF: 4681698.1/57

- 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: -5.281+/-26.153 χ^2/NDF:27.8/11

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

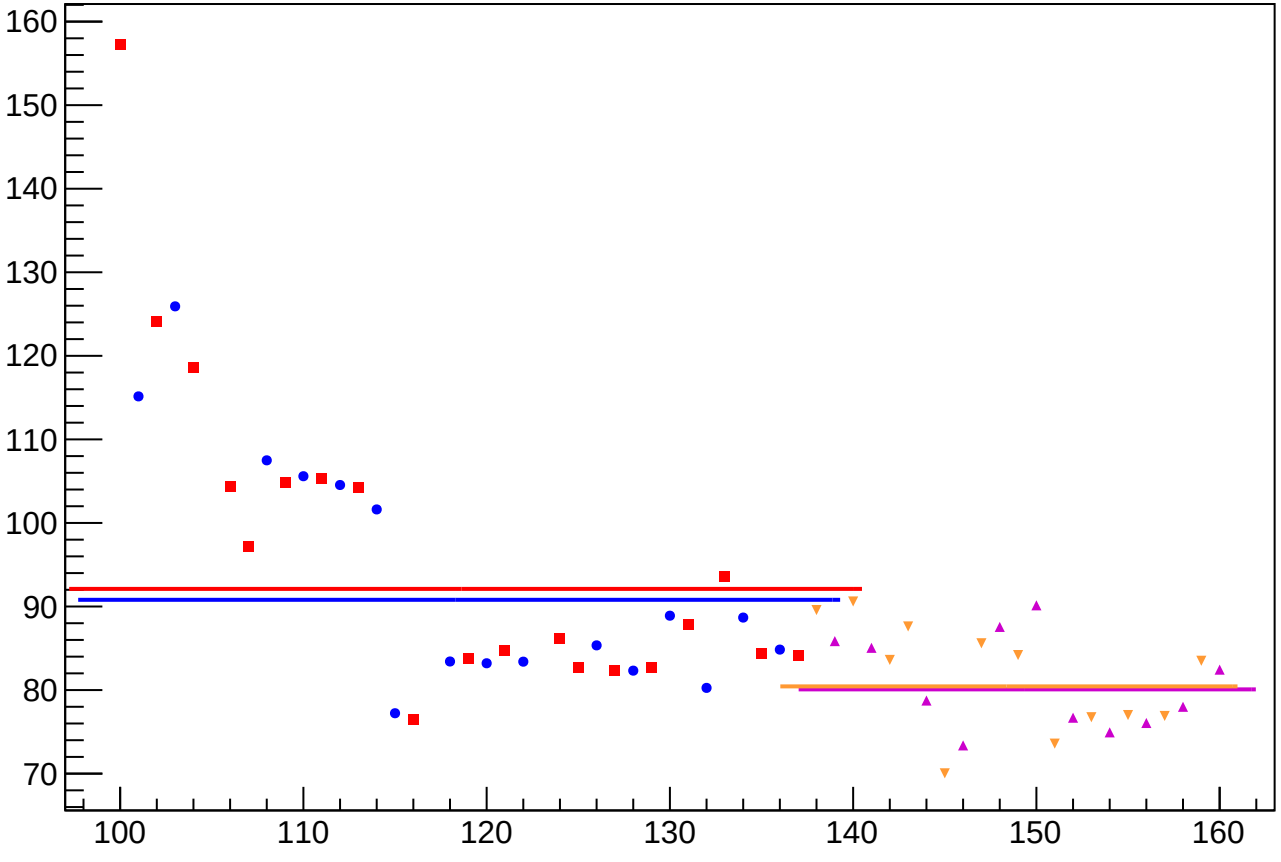
Left In: 21.813+/-26.000 χ^2/NDF:5.7/10

+ sign 55.783+/-20.768 χ^2/NDF: 53.6/27

All: 8.322+/-14.662 χ^2/NDF: 101.9/57

- 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: 80.440+/-0.018 χ^2/NDF:121996.4/11

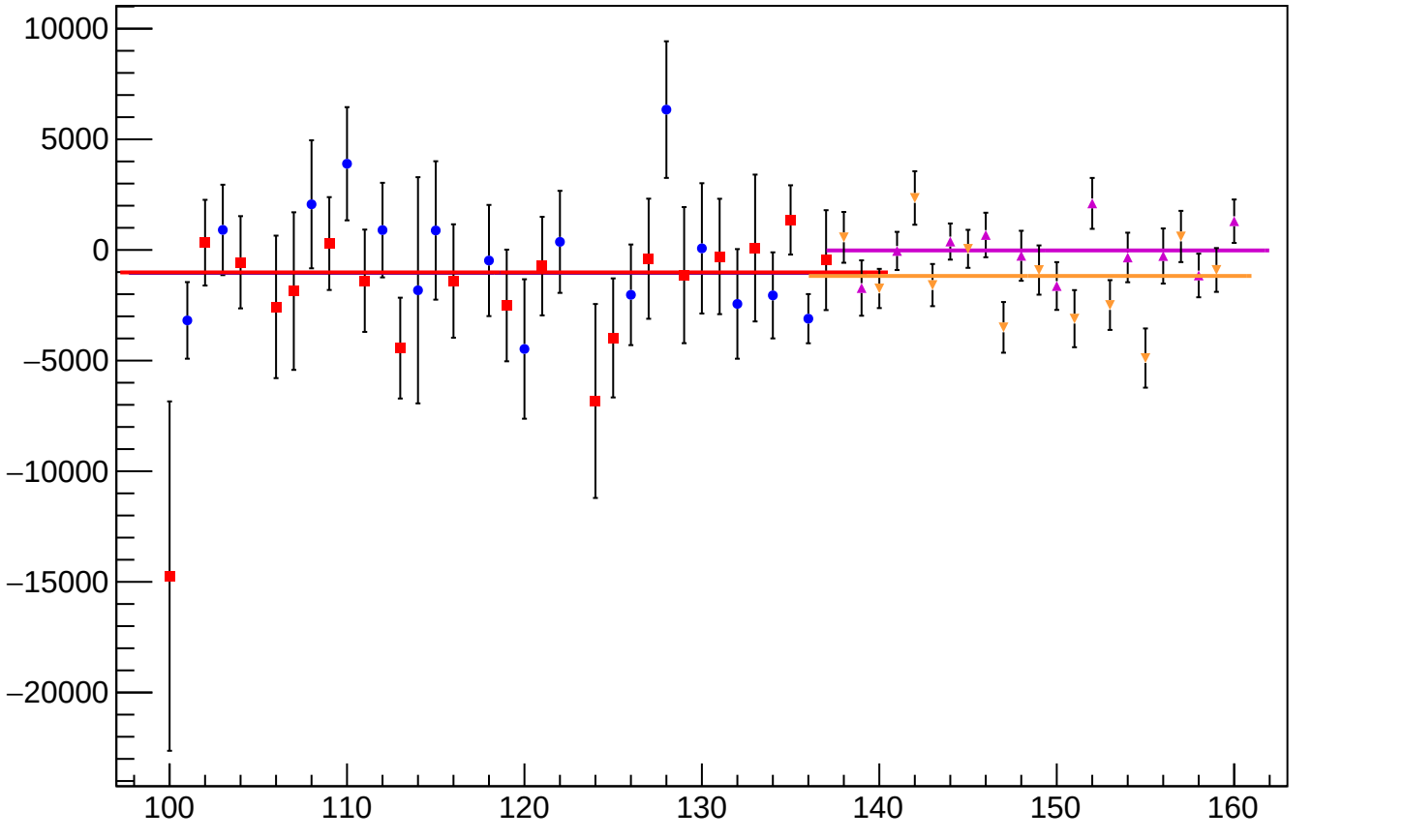
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.082+/-0.018 χ^2/NDF:82497.7/10

+ sign 84.268+/-0.015 χ^2/NDF: 510734.8/27

All: 84.376+/-0.010 χ^2/NDF: 1050735.6/57

- 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: -1175.735+/-309.249 χ^2/NDF:31.3/11

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

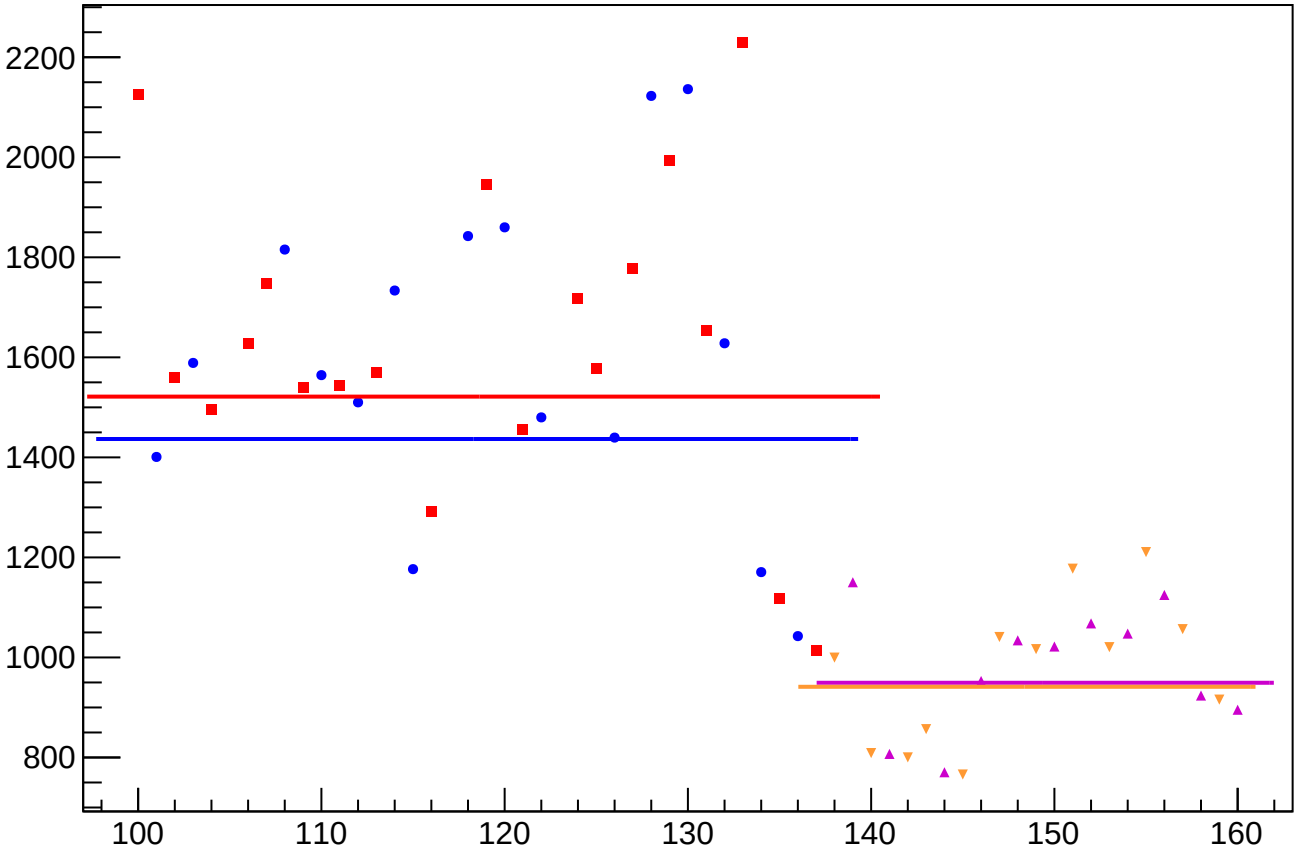
Left In: -21.819+/-310.398 χ^2/NDF:11.5/10

+ sign -1141.951+/-269.585 χ^2/NDF: 51.6/27

All: -700.502+/-191.674 χ^2/NDF: 83.4/57

- 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: 941.332+/-0.219 χ^2/NDF:379621.7/11

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

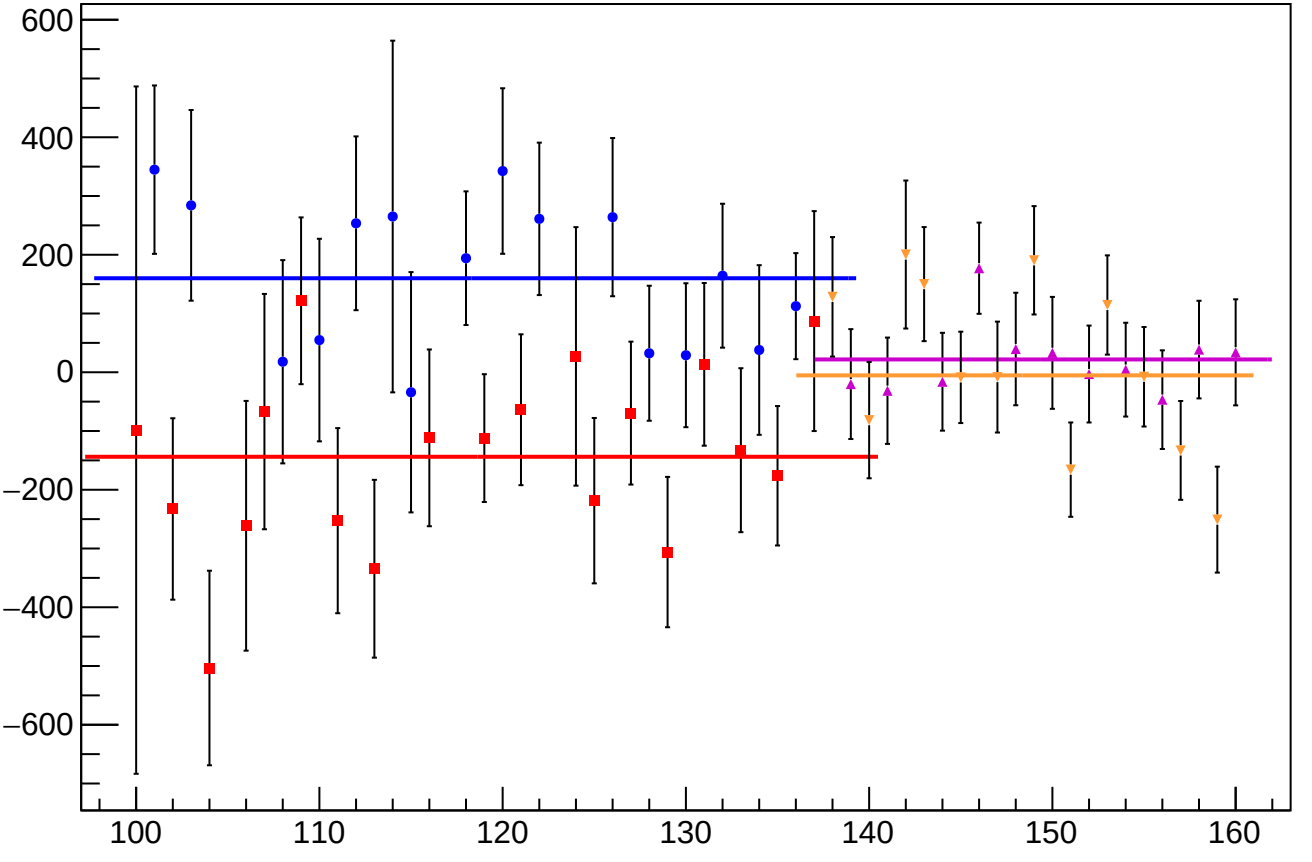
Left In: 949.381+/-0.219 χ^2/NDF:306169.9/10

+ sign 1060.263+/-0.191 χ^2/NDF: 2287477.2/27

All: 1070.179+/-0.136 χ^2/NDF: 4652468.9/57

- 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: -5.281+/-26.153 χ^2/NDF:27.8/11

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

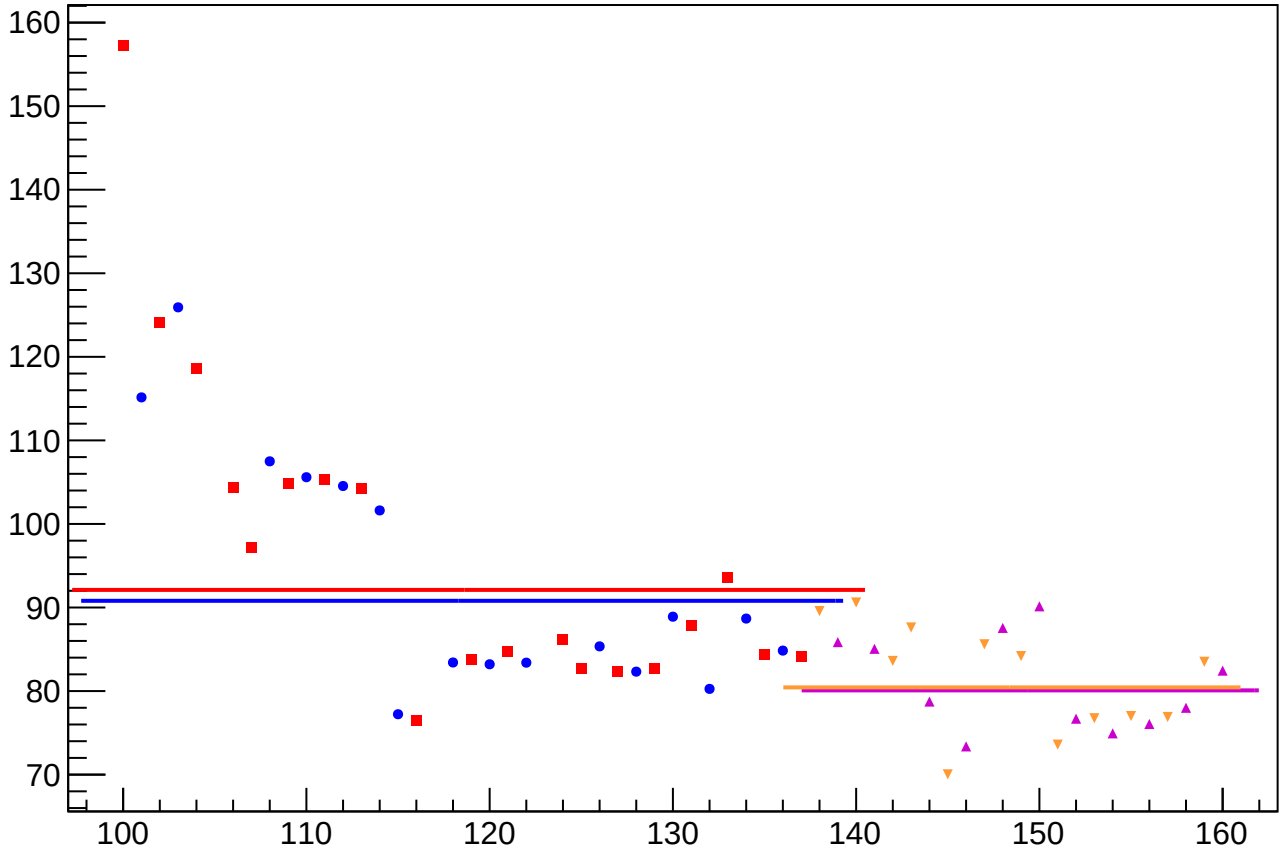
Left In: 21.813+/-26.000 χ^2/NDF:5.7/10

+ sign 55.783+/-20.768 χ^2/NDF: 53.6/27

All: 8.322+/-14.662 χ^2/NDF: 101.9/57

- 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: 80.440+/-0.018 χ^2/NDF:121996.4/11

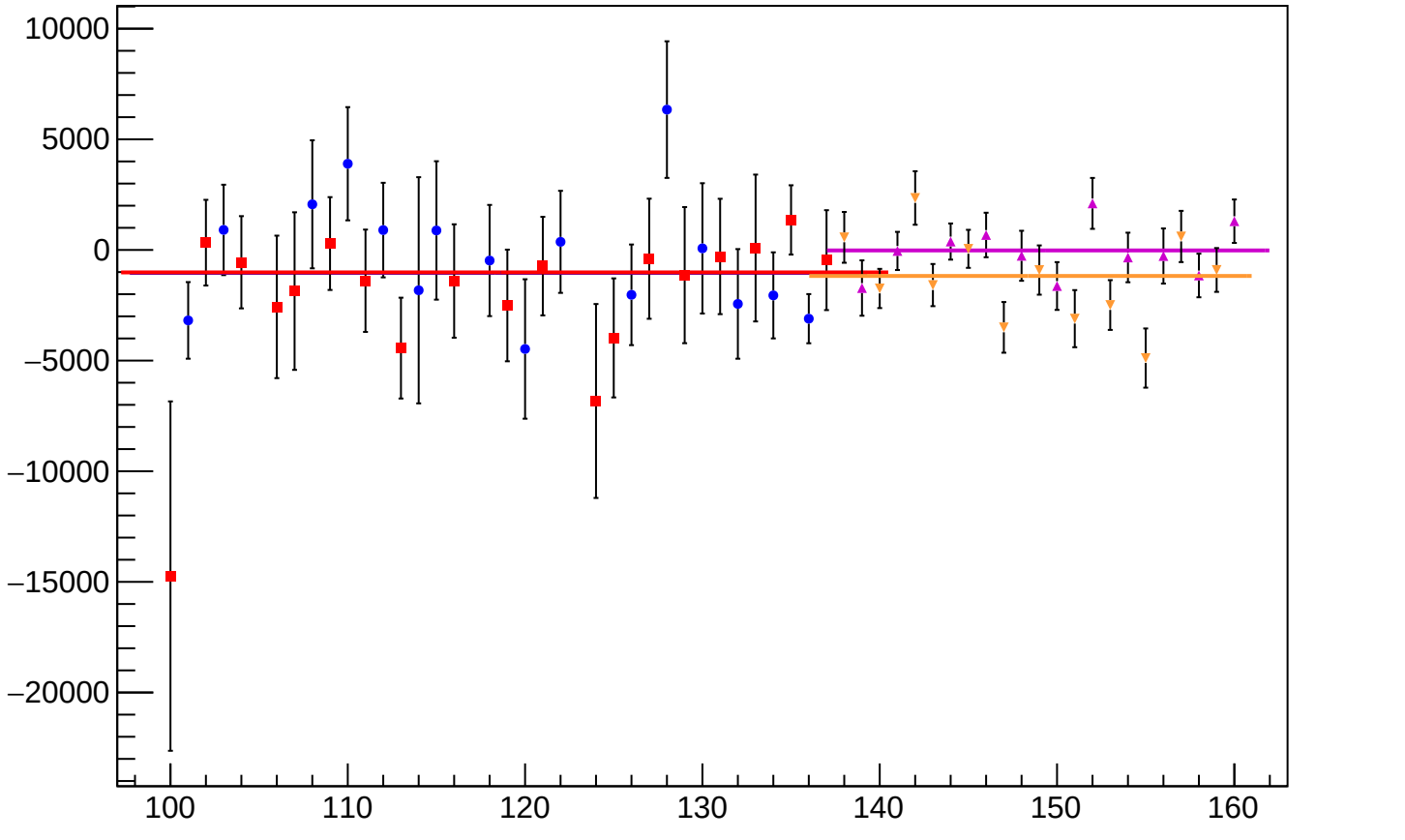
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.082+/-0.018 χ^2/NDF:82497.7/10

+ sign 84.268+/-0.015 χ^2/NDF: 510734.8/27

All: 84.376+/-0.010 χ^2/NDF: 1050735.6/57

- 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: -1175.735+/-309.249 χ^2/NDF:31.3/11

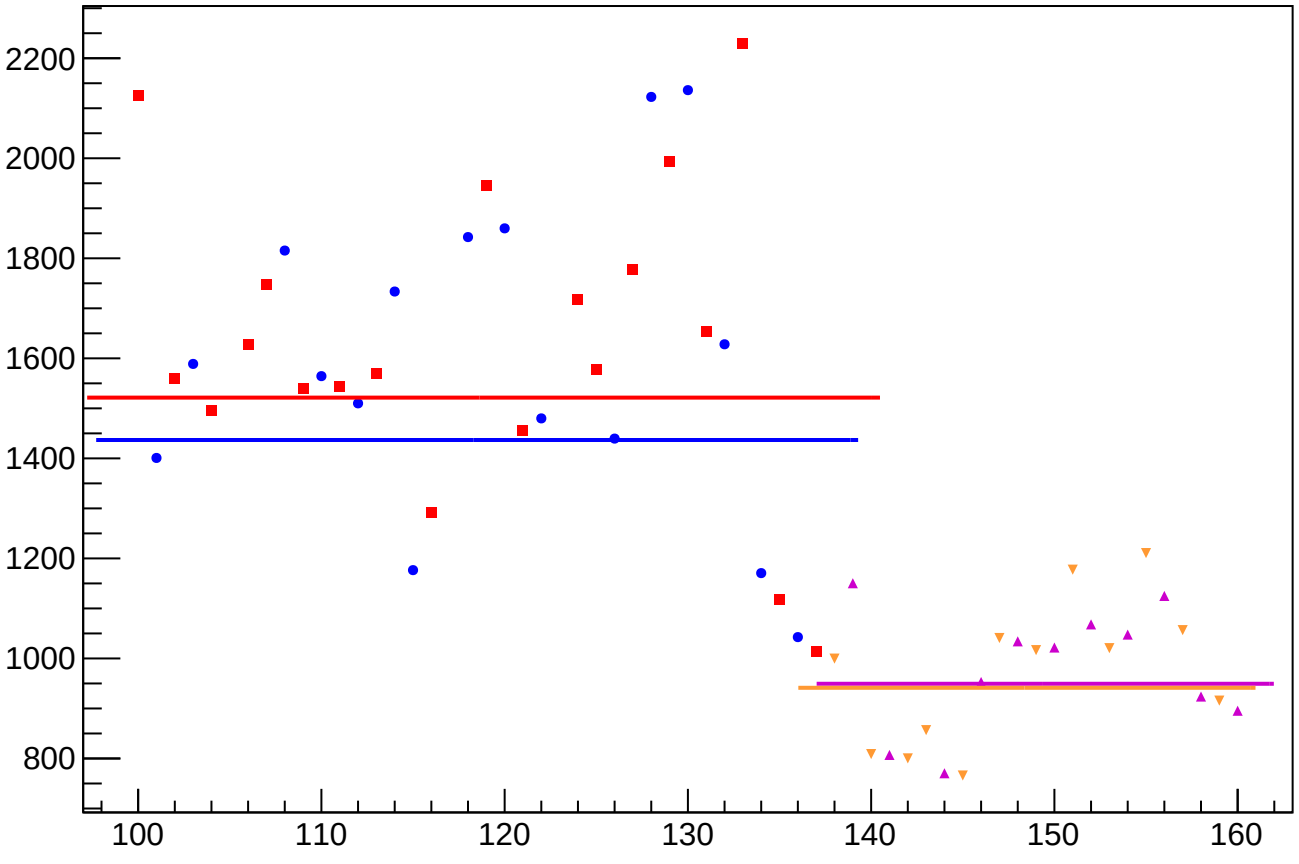
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -21.819+/-310.398 χ^2/NDF:11.5/10

+ sign -1141.951+/-269.585 χ^2/NDF: 51.6/27

All: -700.502+/-191.674 χ^2/NDF: 83.4/57

- 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: 941.332+/-0.219 χ^2/NDF:379621.7/11

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

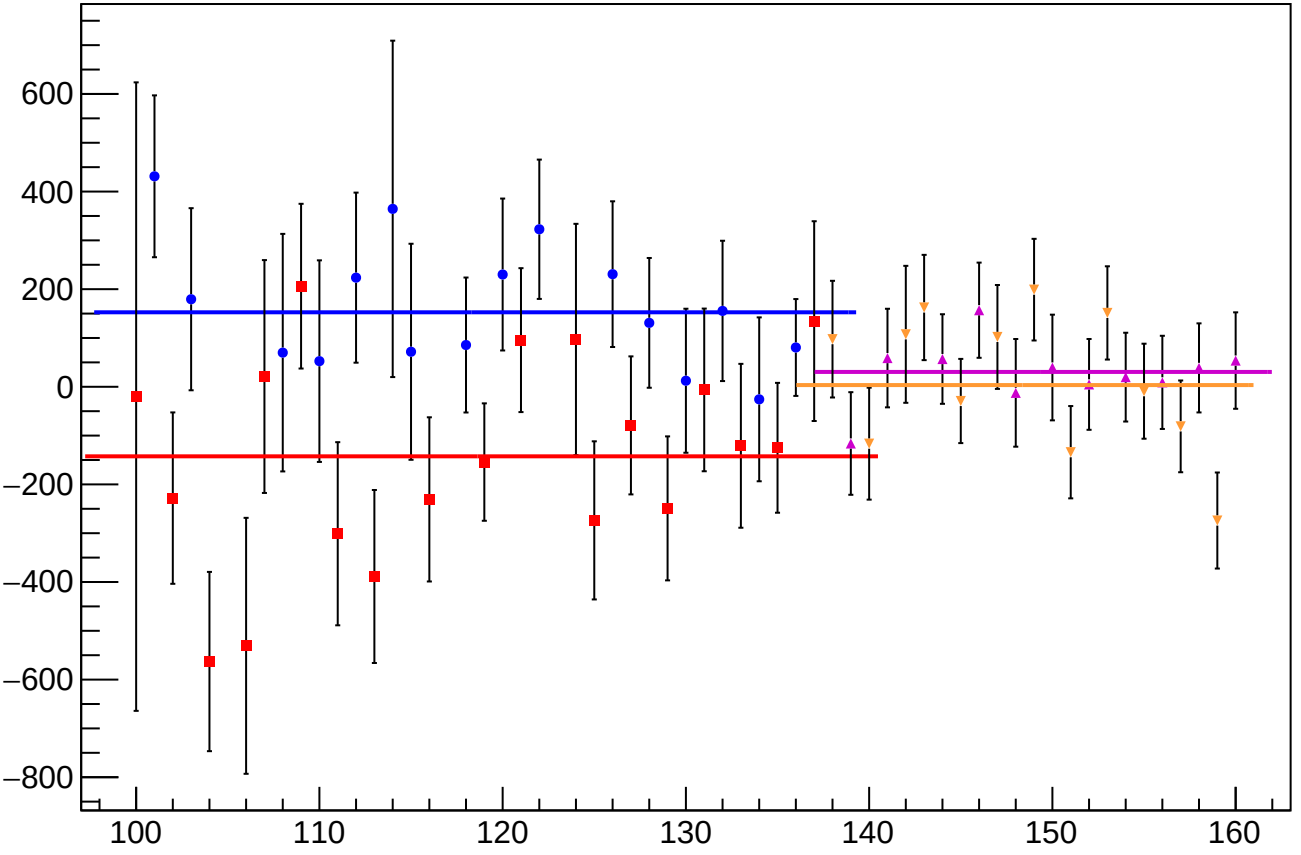
Left In: 949.381+/-0.219 χ^2/NDF:306169.9/10

+ sign 1060.263+/-0.191 χ^2/NDF: 2287477.2/27

All: 1070.179+/-0.136 χ^2/NDF: 4652468.9/57

- 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: 3.505+/-29.605 χ^2/NDF:22.3/11

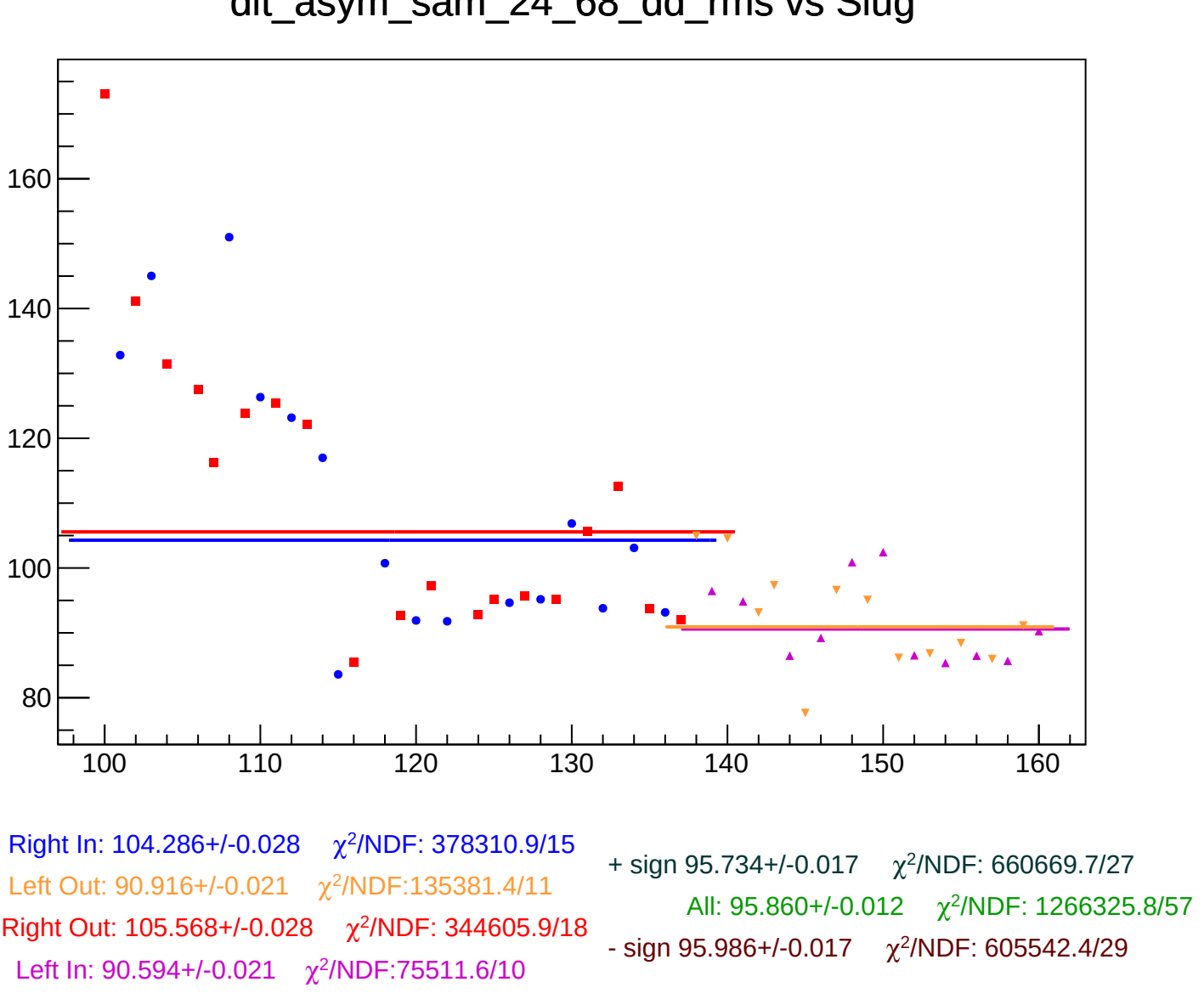
Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

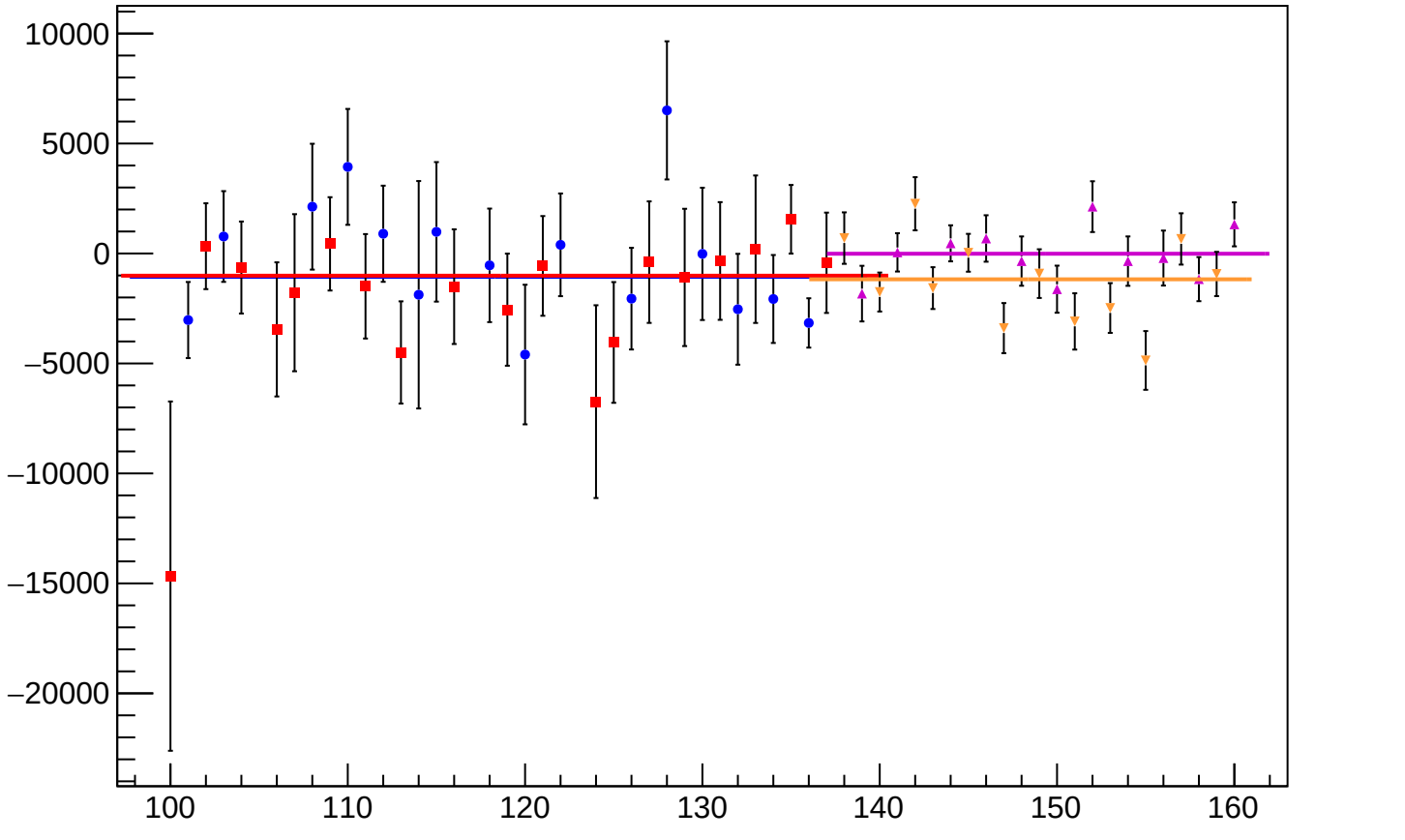
Left In: 30.437+/-29.509 χ^2/NDF:4.2/10

+ sign 57.237+/-23.678 χ^2/NDF: 40.0/27

All: 12.568+/-16.718 χ^2/NDF: 86.6/57

- 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: 90.916+/-0.021 χ²/NDF:135381.4/11
Right Out: 105.568+/-0.028 χ²/NDF: 344605.9/18
Left In: 90.594+/-0.021 χ²/NDF:75511.6/10
+ sign 95.734+/-0.017 χ²/NDF: 660669.7/27
All: 95.860+/-0.012 χ²/NDF: 1266325.8/57
- sign 95.986+/-0.017 χ²/NDF: 605542.4/29



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1174.120+/-310.013 χ^2/NDF:30.8/11

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

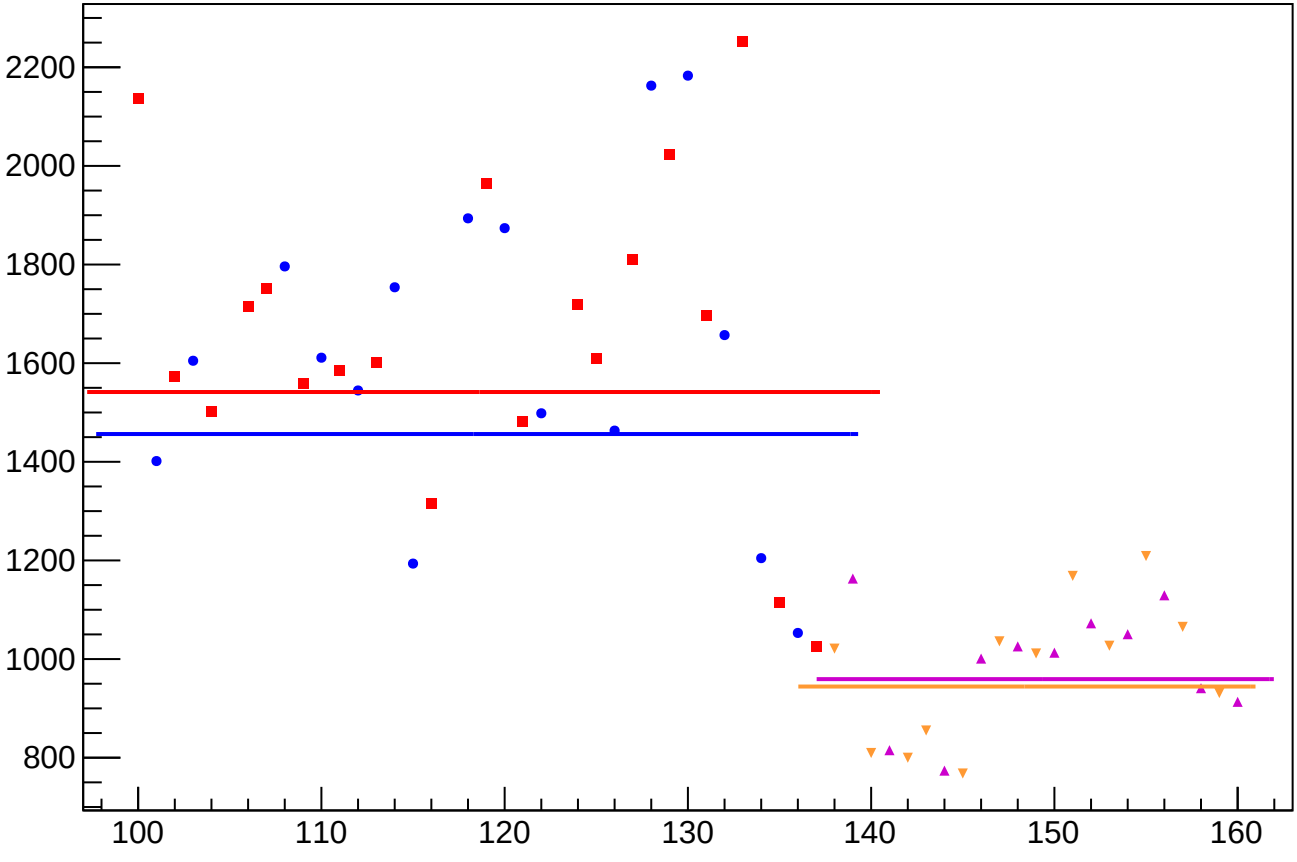
Left In: -11.535+/-313.489 χ^2/NDF:11.8/10

+ sign -1147.025+/-270.957 χ^2/NDF: 50.9/27

All: -700.758+/-193.096 χ^2/NDF: 83.8/57

- 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: 944.307+/-0.219 χ^2/NDF:377840.8/11

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

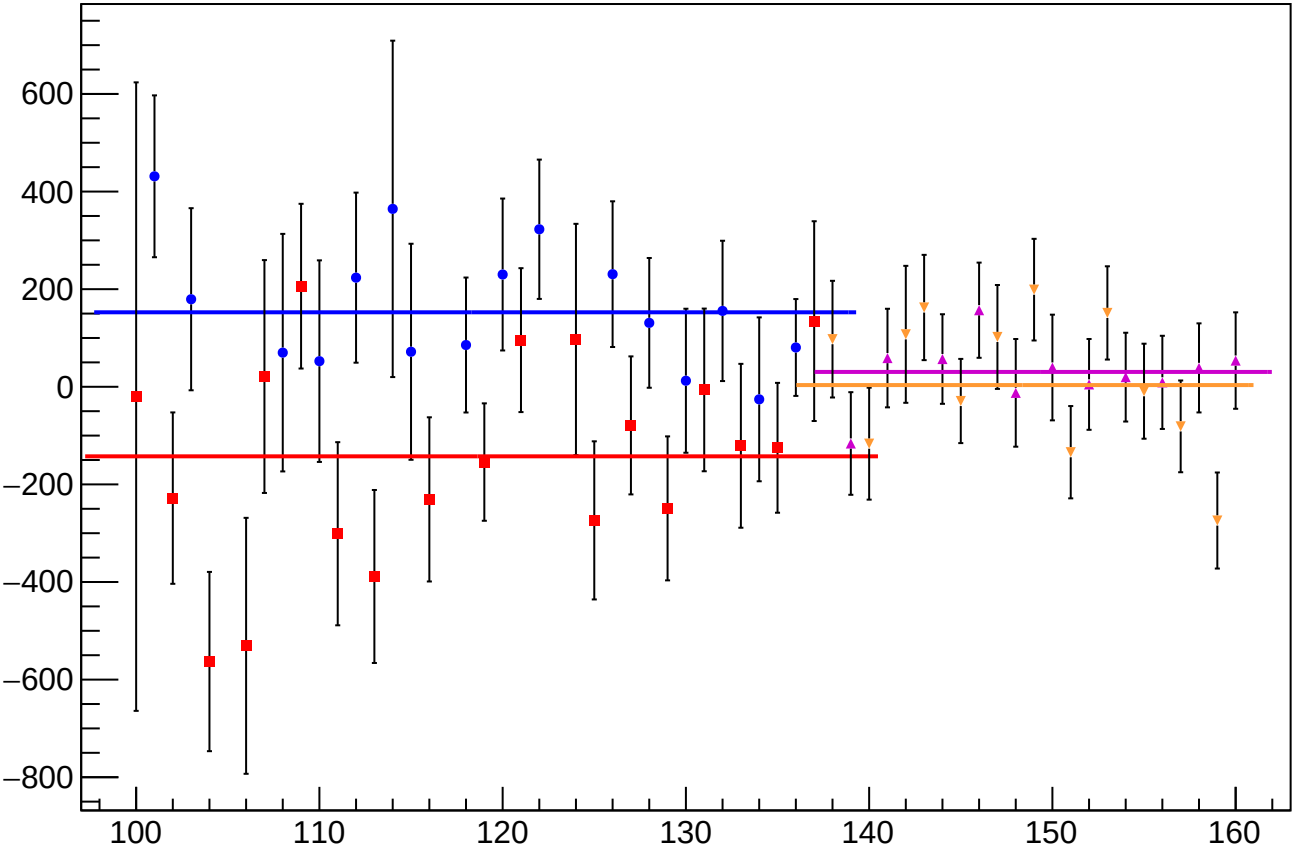
Left In: 959.338+/-0.222 χ^2/NDF:298679.1/10

+ sign 1065.186+/-0.192 χ^2/NDF: 2350566.3/27

All: 1078.726+/-0.137 χ^2/NDF: 4758811.8/57

- 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: 3.506+/-29.605 χ^2/NDF:22.3/11

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

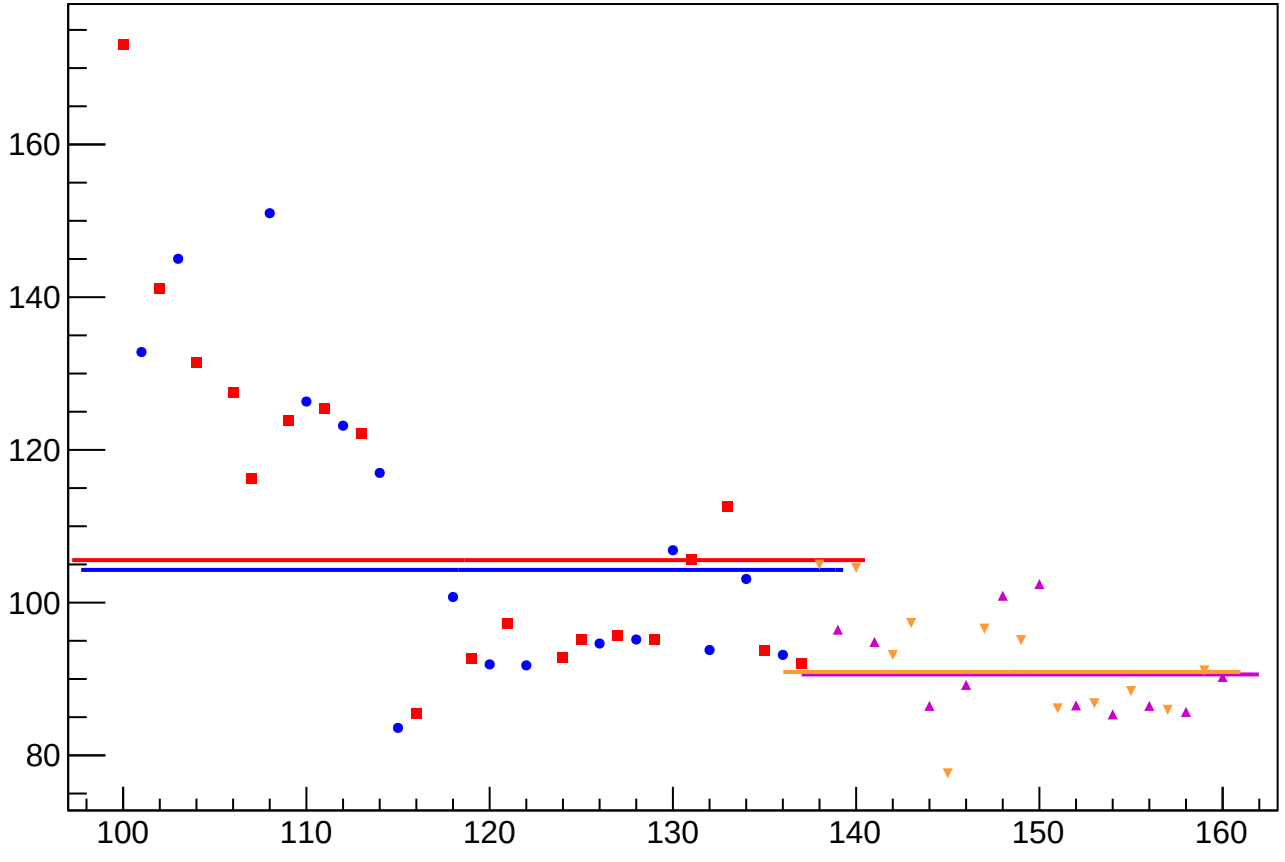
Left In: 30.438+/-29.509 χ^2/NDF:4.2/10

+ sign 57.239+/-23.678 χ^2/NDF: 40.0/27

All: 12.569+/-16.717 χ^2/NDF: 86.6/57

- 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: 90.916+/-0.021 χ^2/NDF:135377.2/11

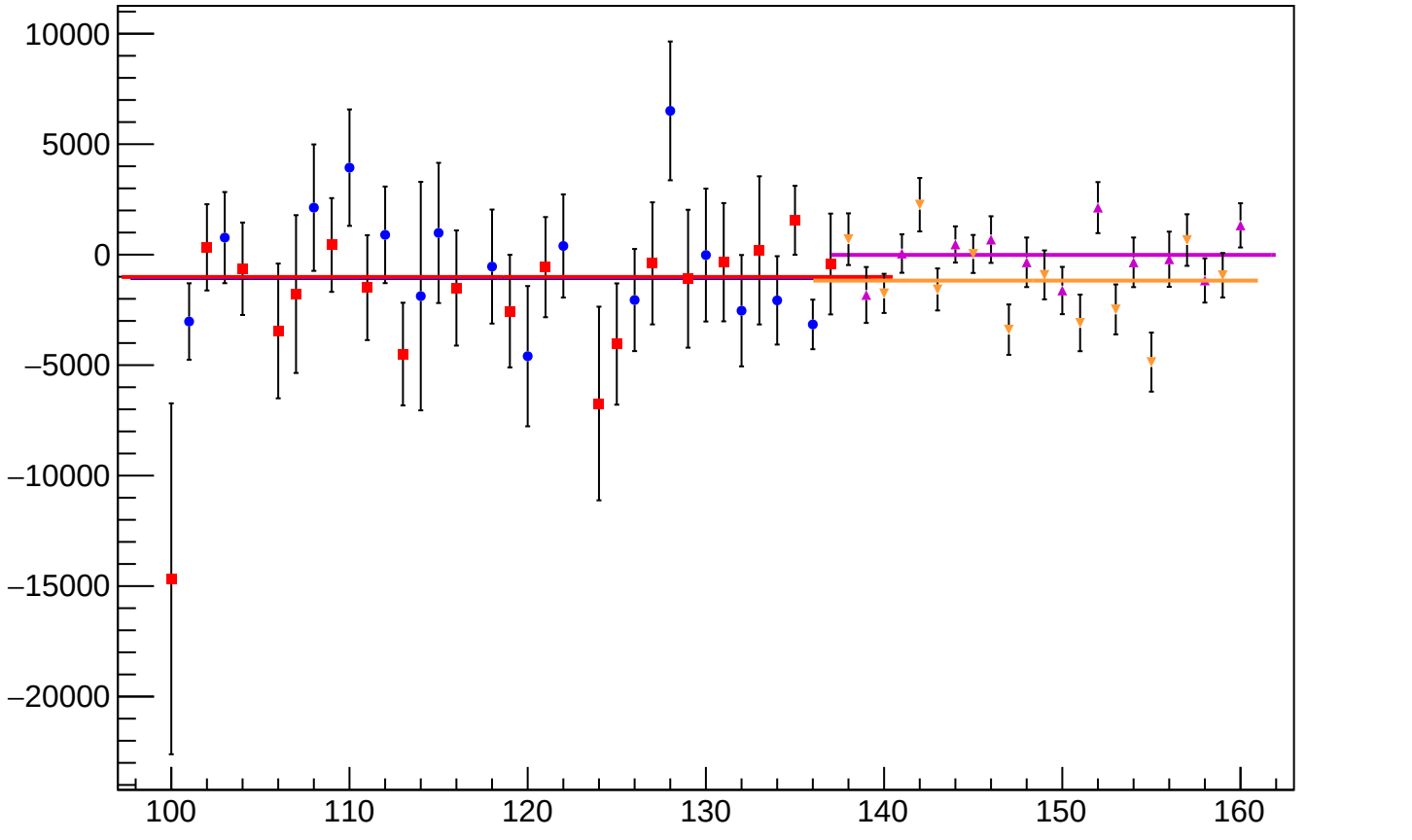
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 90.594+/-0.021 χ^2/NDF:75509.7/10

+ sign 95.733+/-0.017 χ^2/NDF: 660644.2/27

All: 95.860+/-0.012 χ^2/NDF: 1266281.1/57

- 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: -1174.119+/-310.013 χ^2/NDF:30.8/11

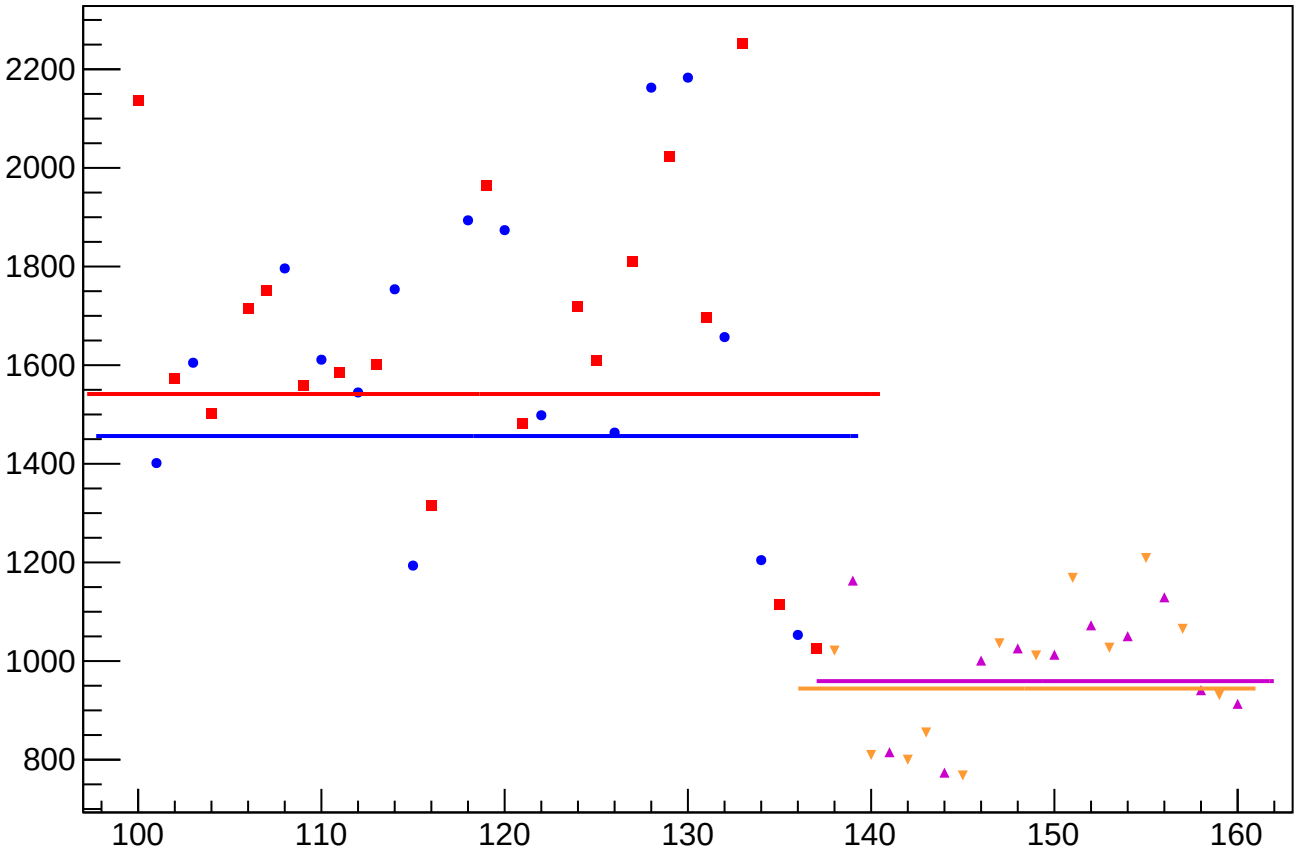
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -11.535+/-313.488 χ^2/NDF:11.8/10

+ sign -1147.023+/-270.956 χ^2/NDF: 50.9/27

All: -700.757+/-193.095 χ^2/NDF: 83.8/57

- 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: 944.306+/-0.219 χ^2/NDF:377843.9/11

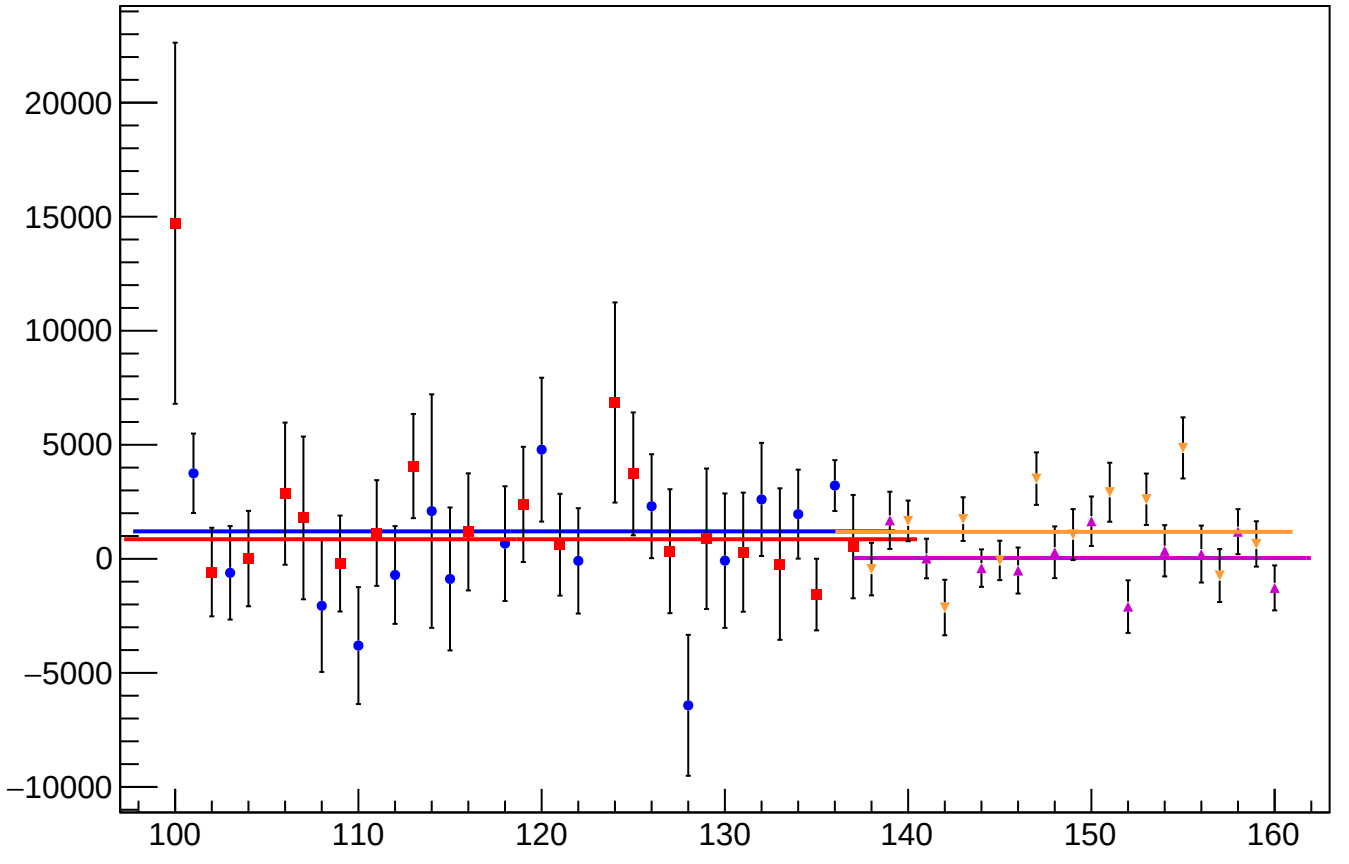
Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 959.337+/-0.222 χ^2/NDF:298680.4/10

+ sign 1065.185+/-0.192 χ^2/NDF: 2350563.0/27

All: 1078.725+/-0.137 χ^2/NDF: 4758804.3/57

- sign 1092.698+/-0.195 χ^2/NDF: 2398092.6/29



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1181.815+/-310.534 χ^2/NDF:30.3/11

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

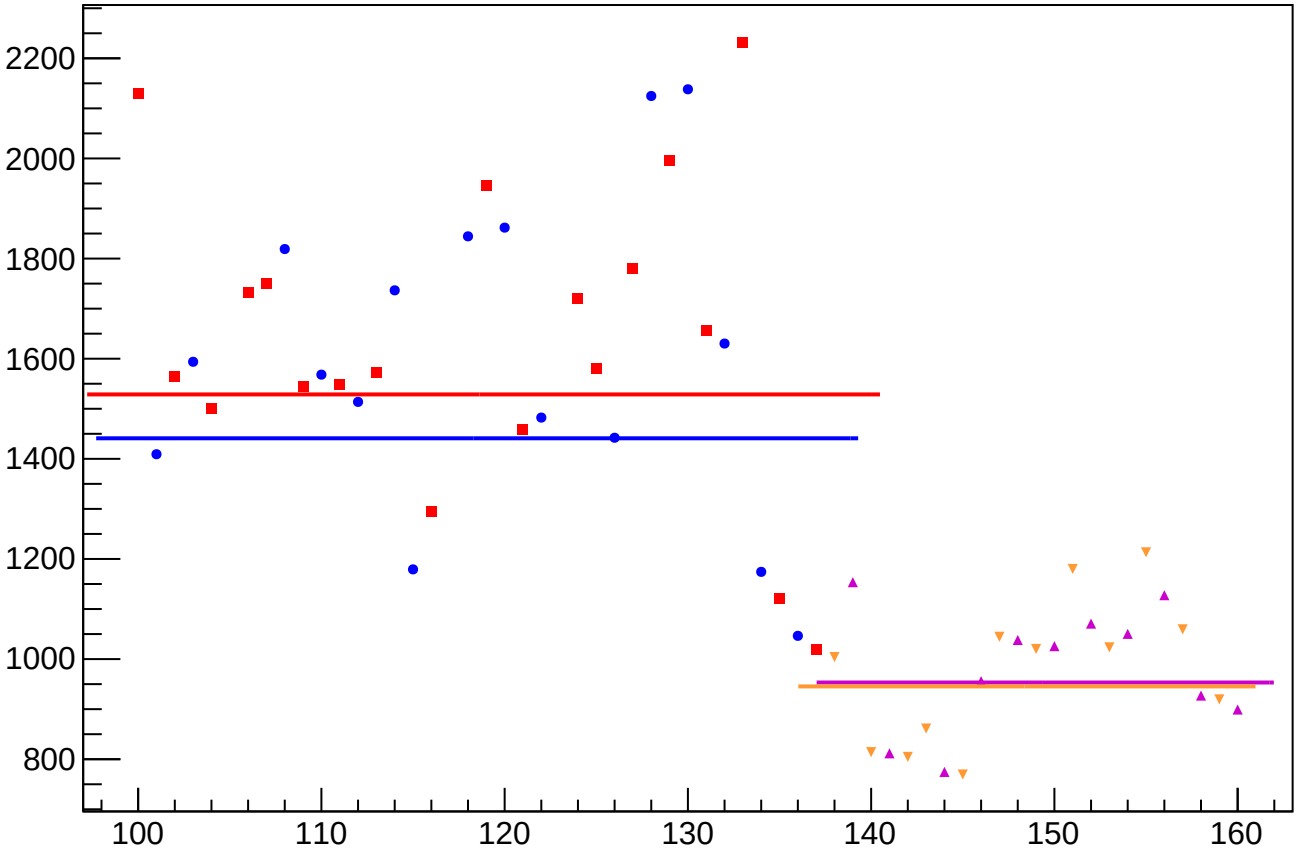
Left In: 35.464+/-311.611 χ^2/NDF:11.2/10

+ sign 1187.319+/-270.615 χ^2/NDF: 51.4/27

All: 711.111+/-192.353 χ^2/NDF: 83.0/57

- 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: 945.458+/-0.220 χ^2/NDF:373555.0/11

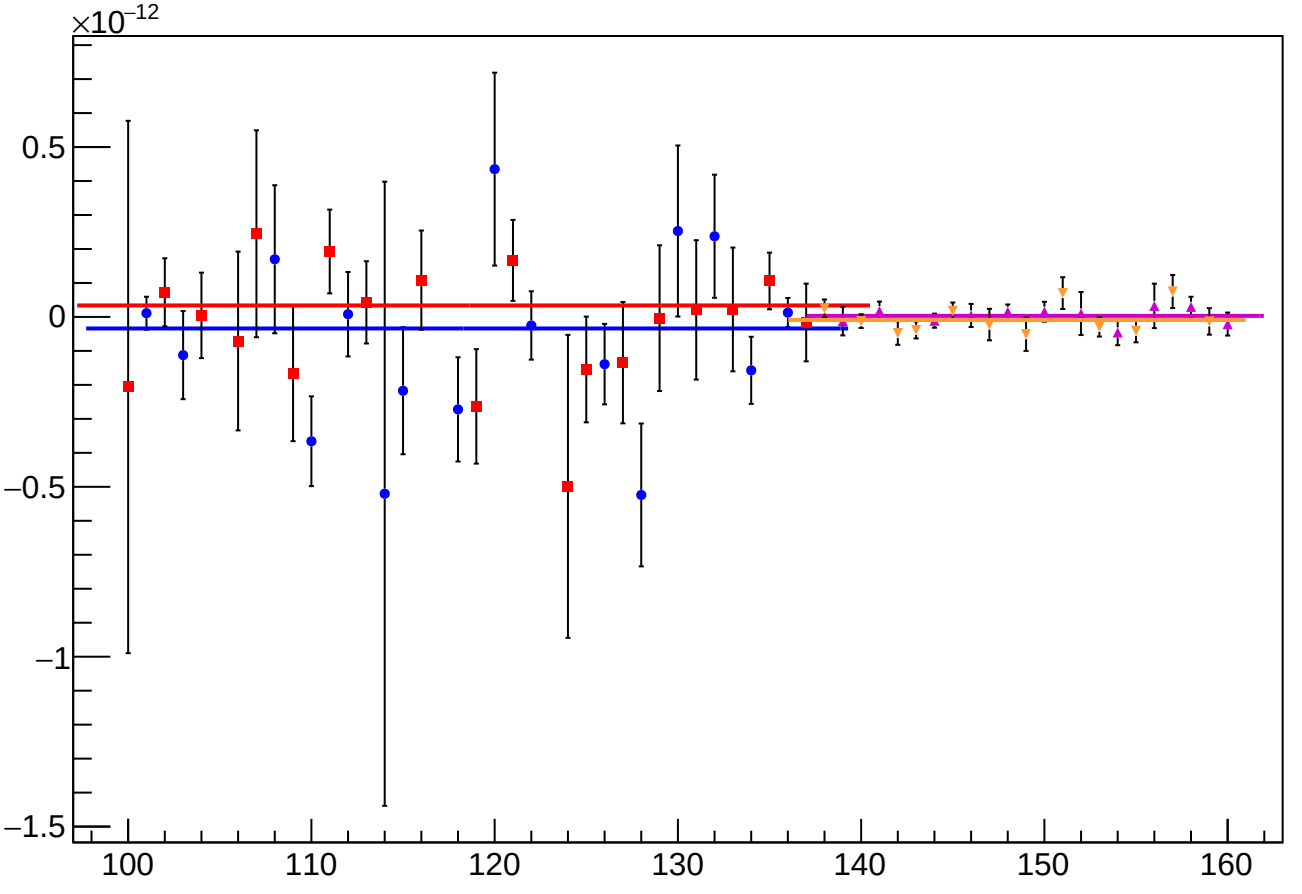
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 953.249+/-0.220 χ^2/NDF:301230.7/10

+ sign 1064.680+/-0.191 χ^2/NDF: 2269599.7/27

All: 1074.985+/-0.136 χ^2/NDF: 4645888.1/57

- 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:13.5/11

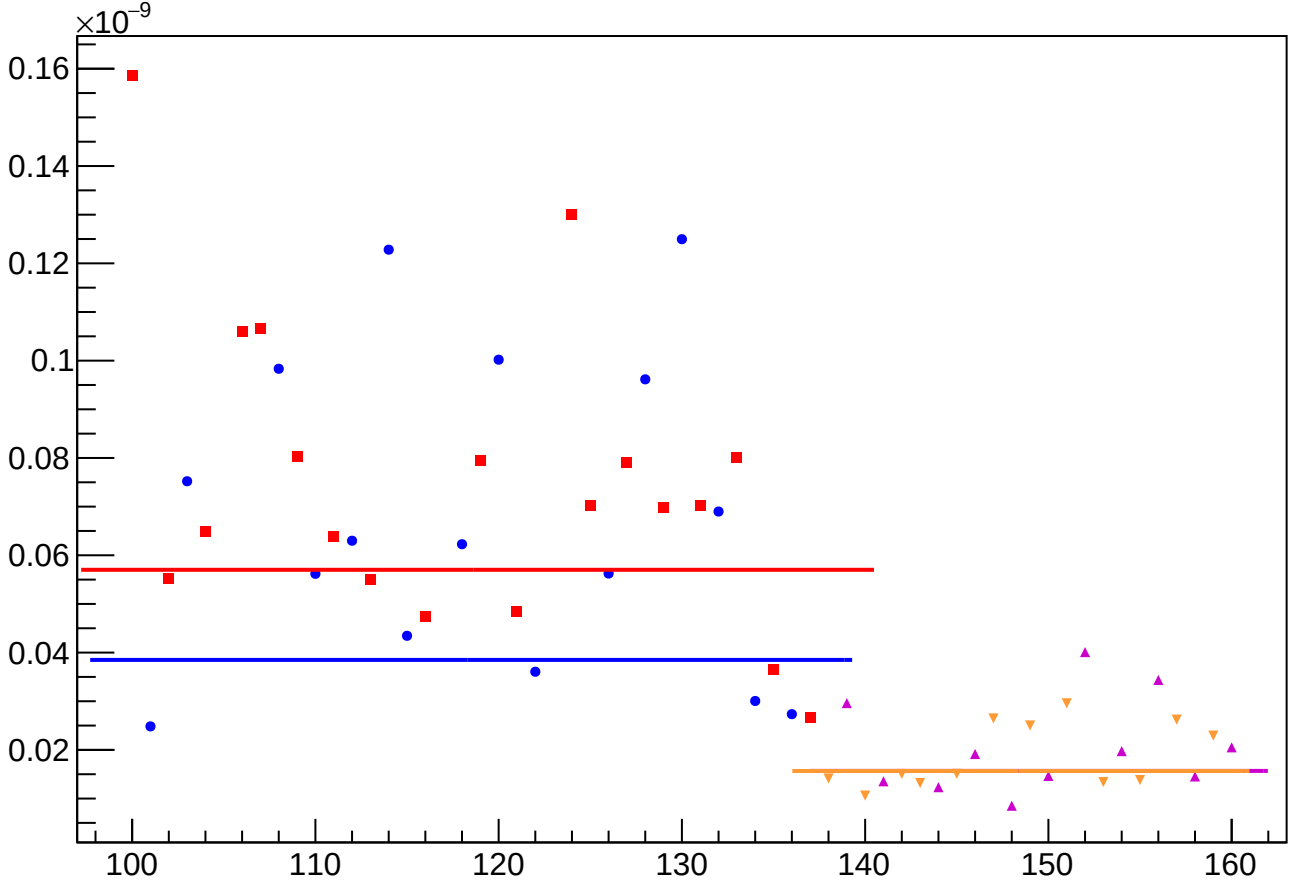
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 41.8/27

All: -0.000+/-0.000 χ^2/NDF: 62.0/57

- 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:693105.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

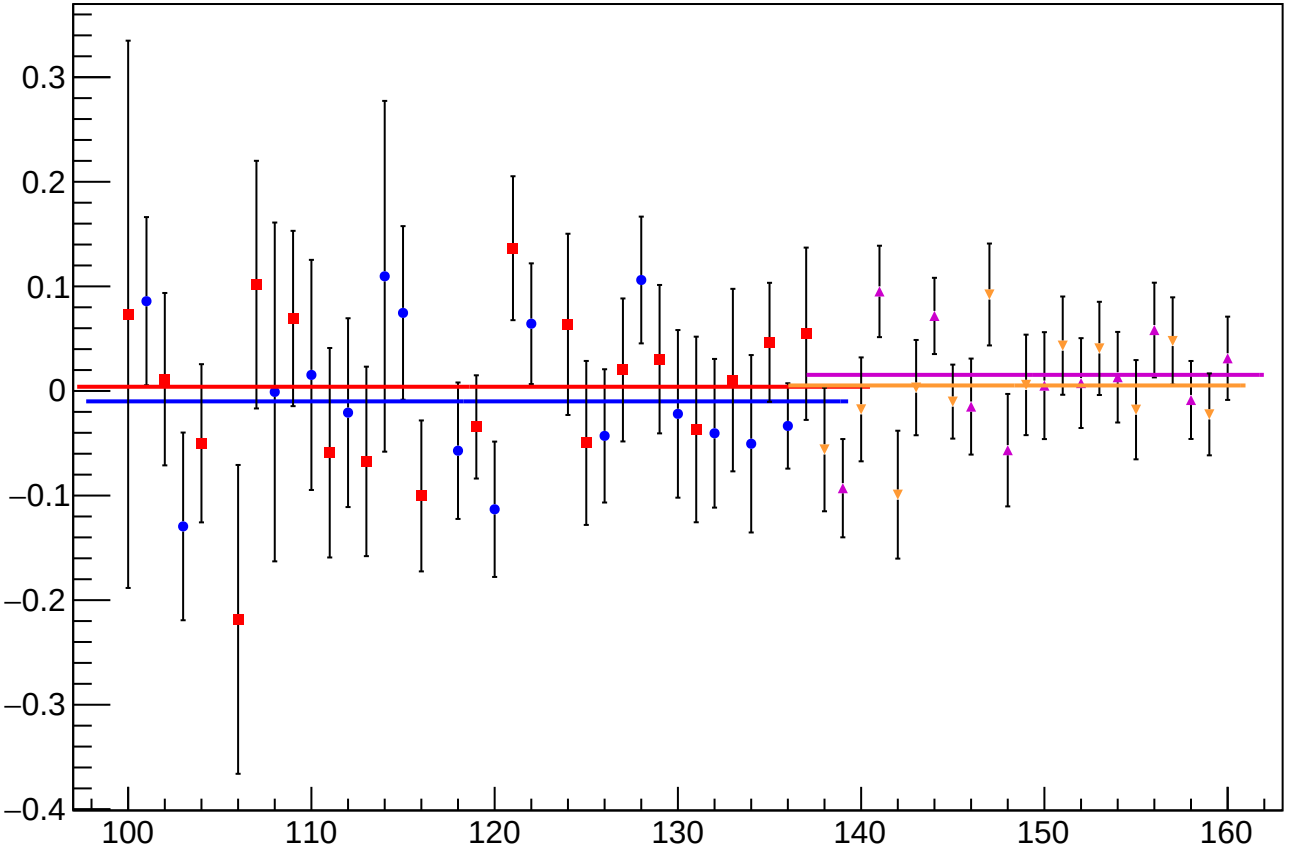
Left In: 0.000+/-0.000 χ^2/NDF:1057476.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 3548097.9/27

All: 0.000+/-0.000 χ^2/NDF: 8048431.2/57

- 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: 0.005+/-0.013 χ^2/NDF:10.6/11

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

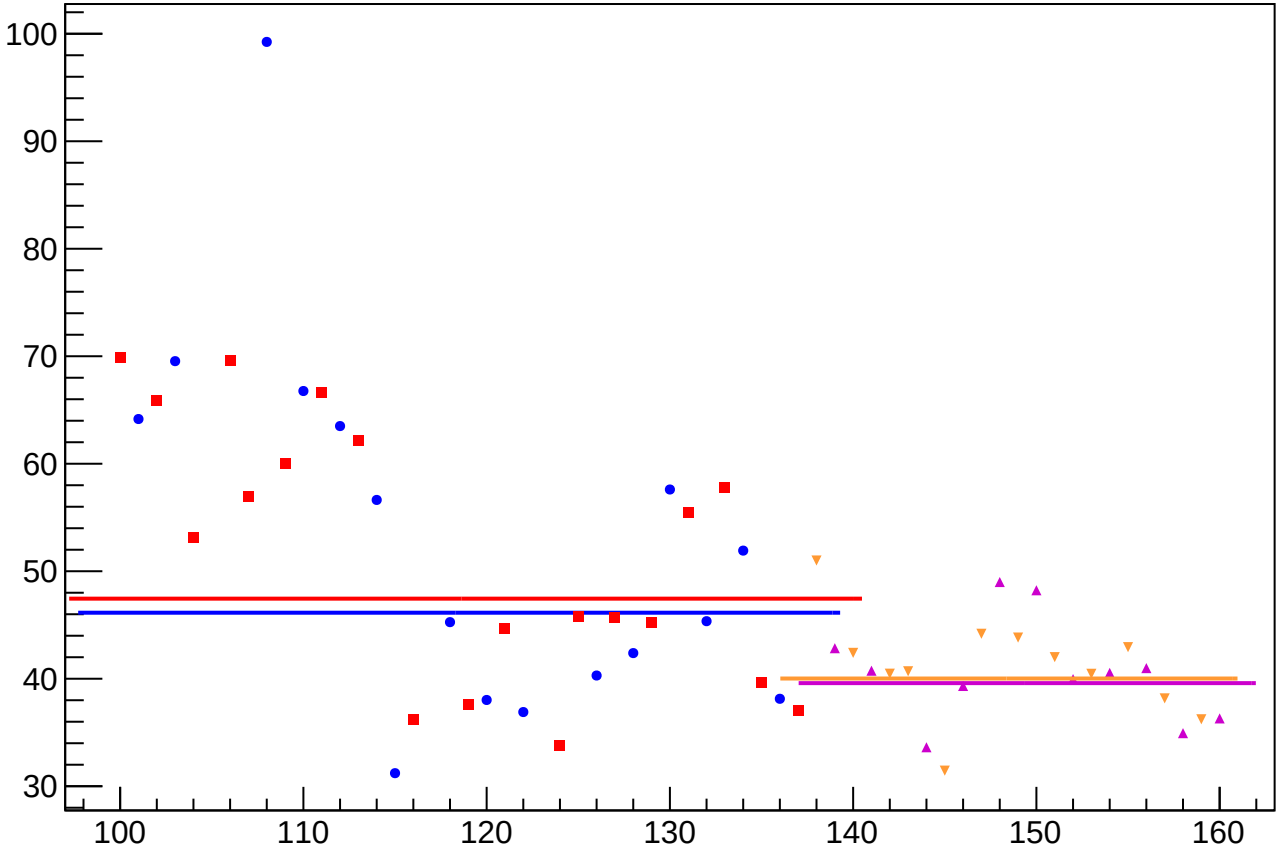
Left In: 0.015+/-0.013 χ^2/NDF:14.8/10

+ sign -0.000+/-0.011 χ^2/NDF: 25.3/27

All: 0.006+/-0.008 χ^2/NDF: 54.9/57

- 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: 40.020+/-0.009 χ^2/NDF:252635.1/11

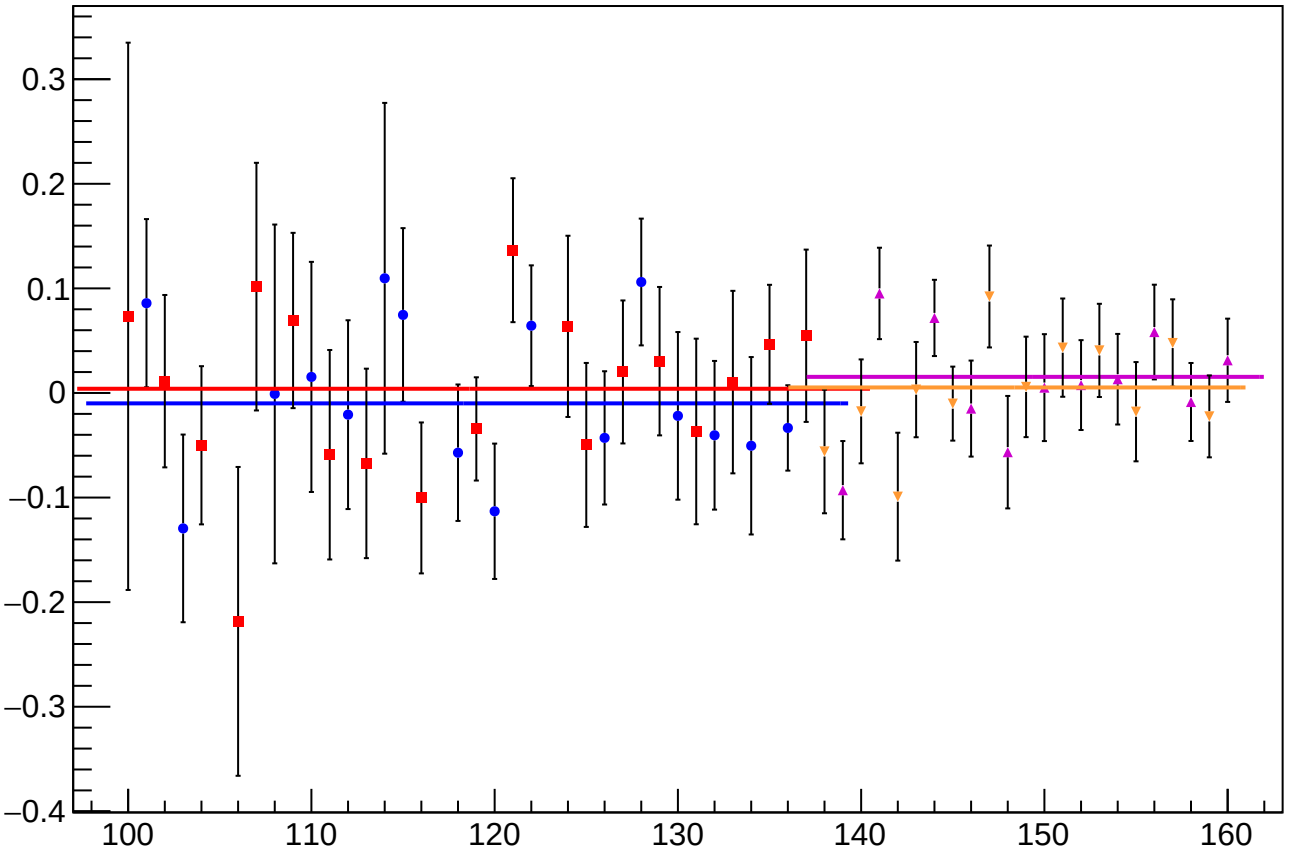
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.591+/-0.009 χ^2/NDF:230726.4/10

\+ sign 42.166+/-0.008 χ^2/NDF: 1306255.8/27

All: 42.227+/-0.005 χ^2/NDF: 2439649.0/57

\- 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: 0.005+/-0.013 χ^2/NDF:10.6/11

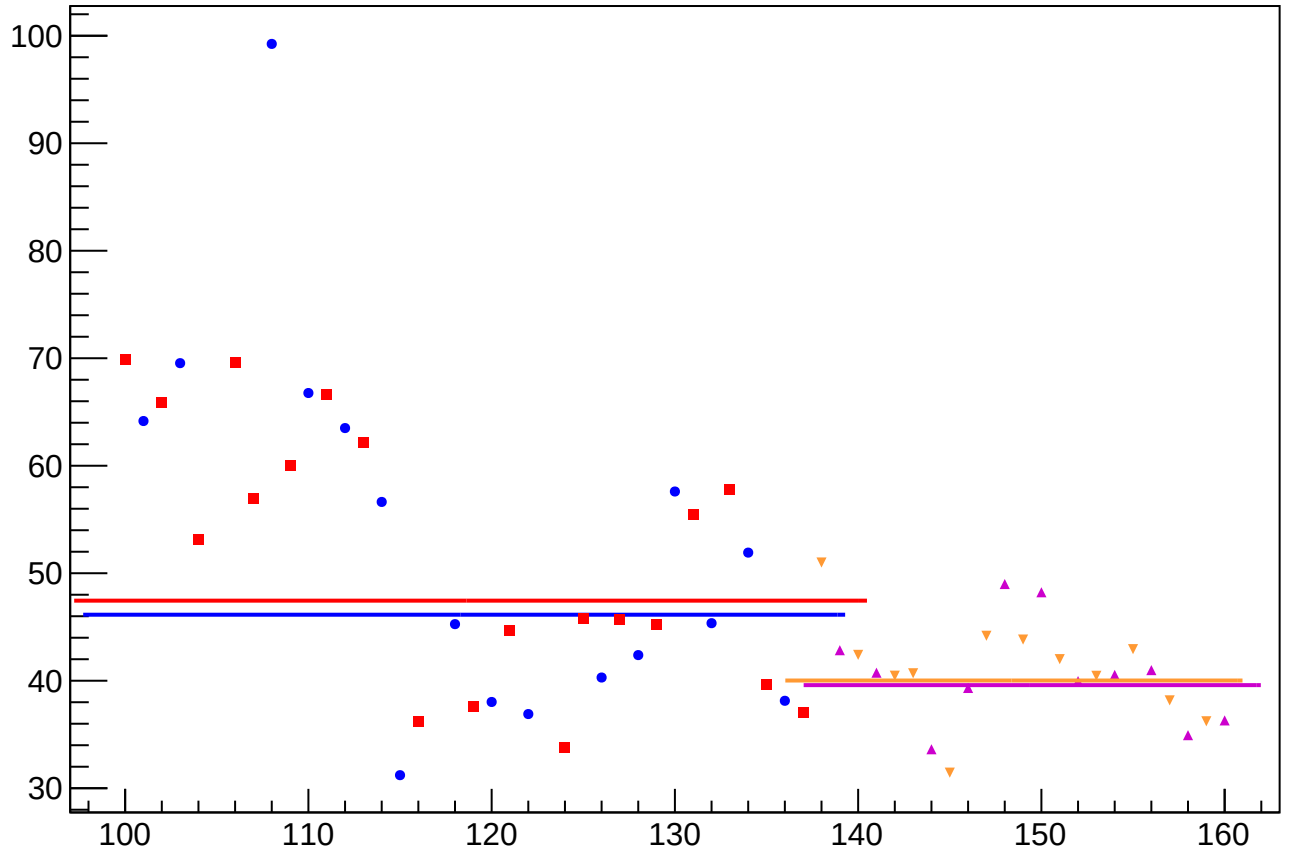
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.015+/-0.013 χ^2/NDF:14.8/10

+ sign -0.000+/-0.011 χ^2/NDF: 25.3/27

All: 0.006+/-0.008 χ^2/NDF: 54.9/57

- sign 0.012+/-0.011 χ^2/NDF: 28.9/29



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.020+/-0.009 χ^2/NDF:252635.1/11

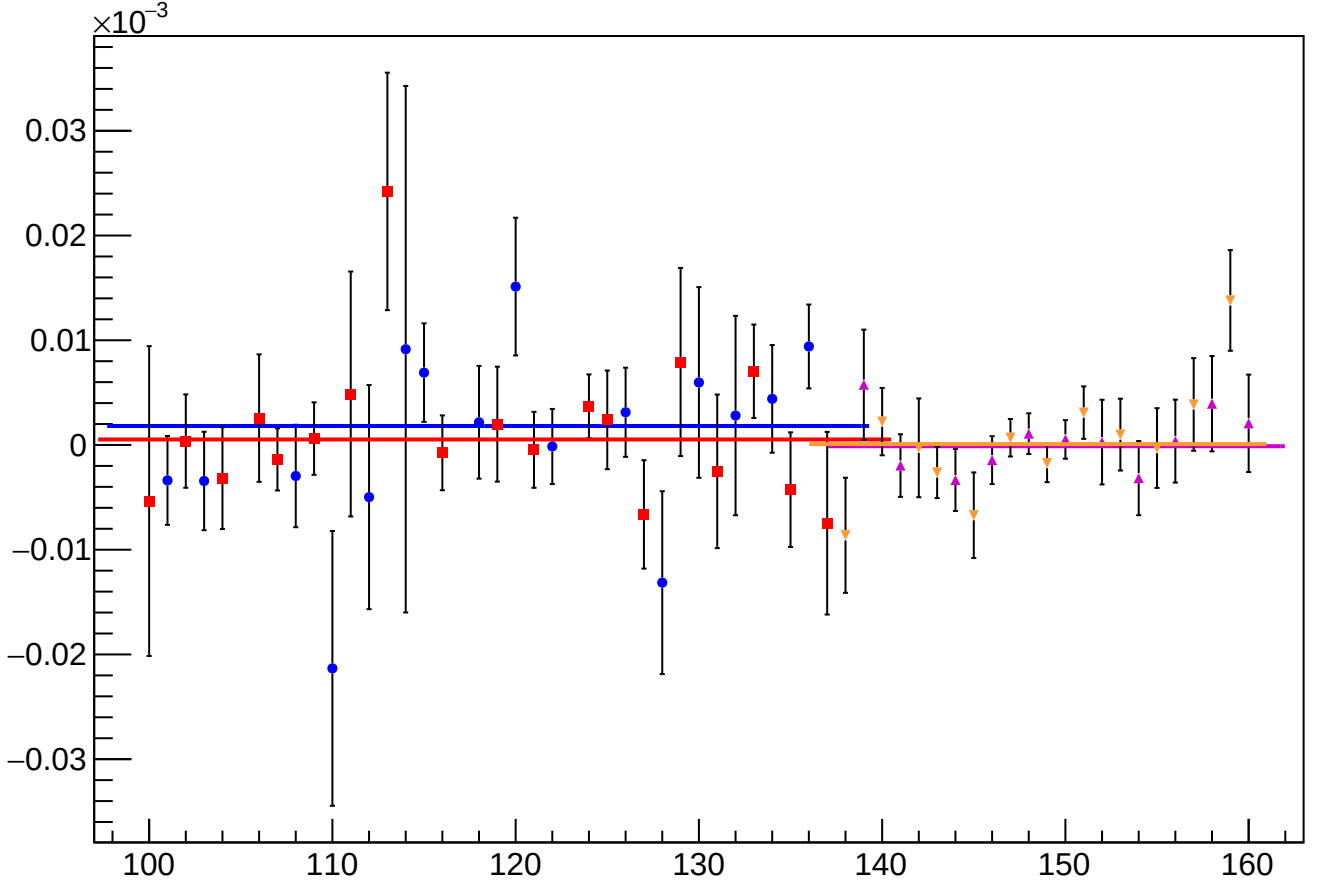
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.591+/-0.009 χ^2/NDF:230726.4/10

+ sign 42.166+/-0.008 χ^2/NDF: 1306255.8/27

All: 42.227+/-0.005 χ^2/NDF: 2439649.0/57

- 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:18.5/11

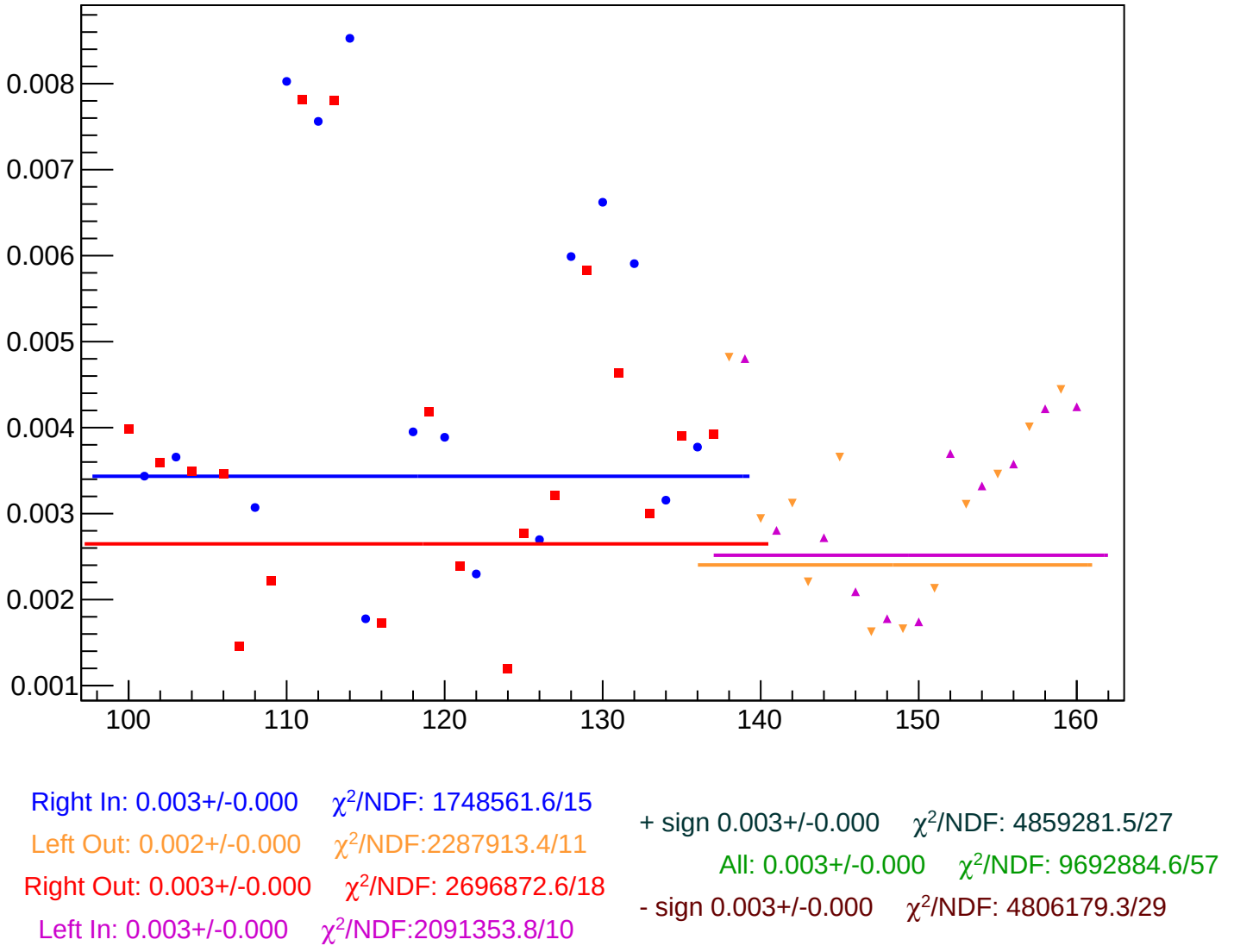
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

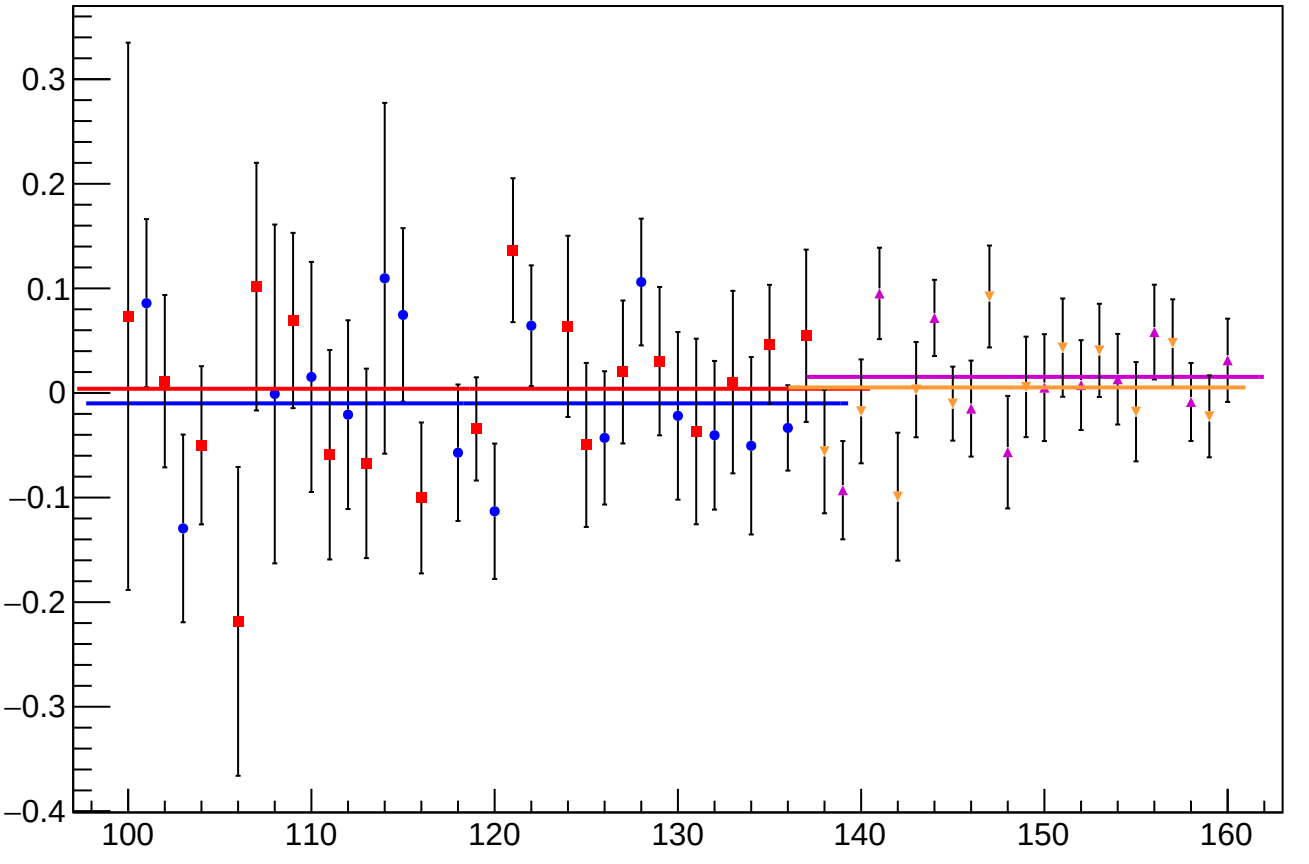
Left In: -0.000+/-0.000 χ^2/NDF:5.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 39.6/27

All: 0.000+/-0.000 χ^2/NDF: 59.2/57

- sign 0.000+/-0.000 χ^2/NDF: 19.4/29


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.003+/-0.000 χ²/NDF: 1748561.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2287913.4/11
Right Out: 0.003+/-0.000 χ²/NDF: 2696872.6/18
Left In: 0.003+/-0.000 χ²/NDF:2091353.8/10
+ sign 0.003+/-0.000 χ²/NDF: 4859281.5/27
All: 0.003+/-0.000 χ²/NDF: 9692884.6/57
- sign 0.003+/-0.000 χ²/NDF: 4806179.3/29



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:10.6/11

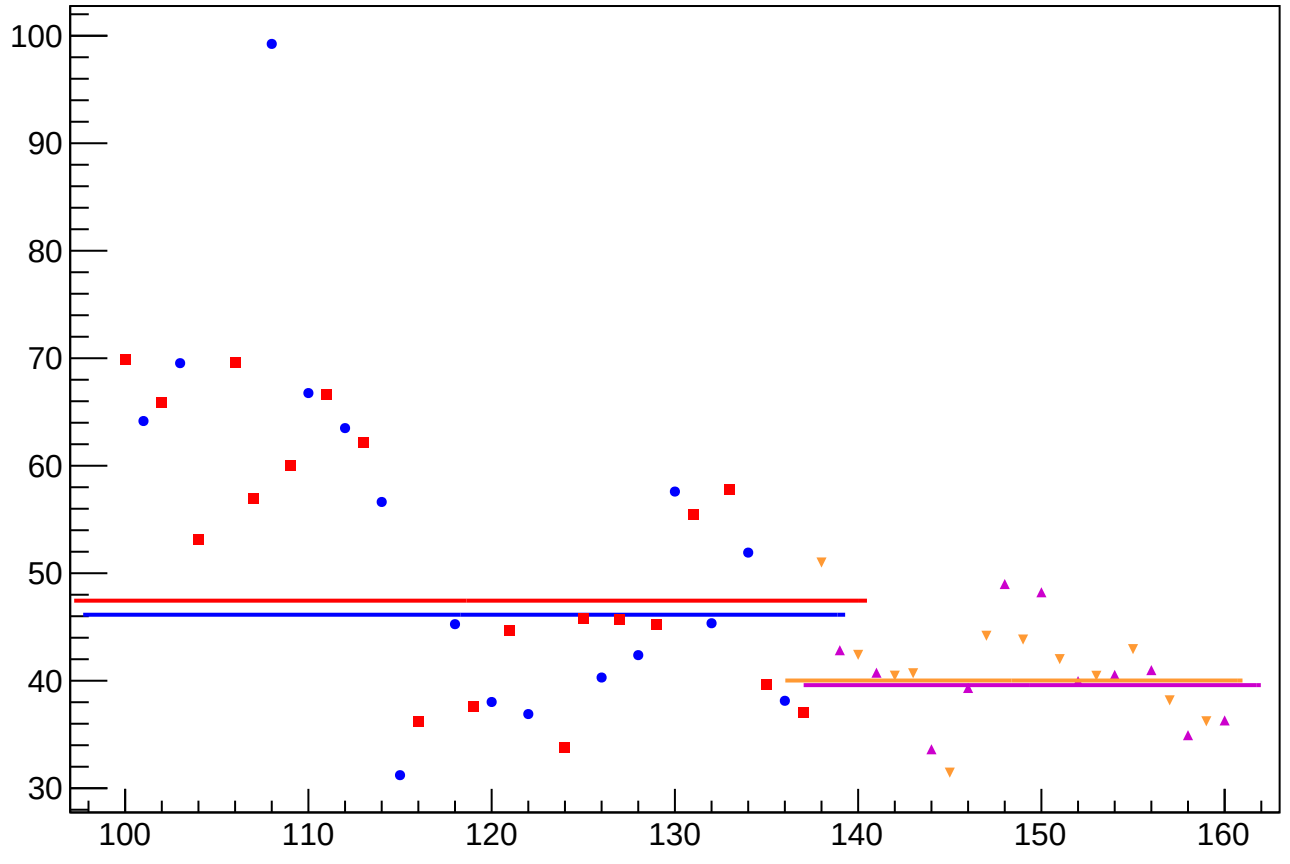
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.015+/-0.013 χ^2/NDF:14.8/10

+ sign -0.000+/-0.011 χ^2/NDF: 25.3/27

All: 0.006+/-0.008 χ^2/NDF: 54.9/57

- 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: 40.020+/-0.009 χ^2/NDF:252646.2/11

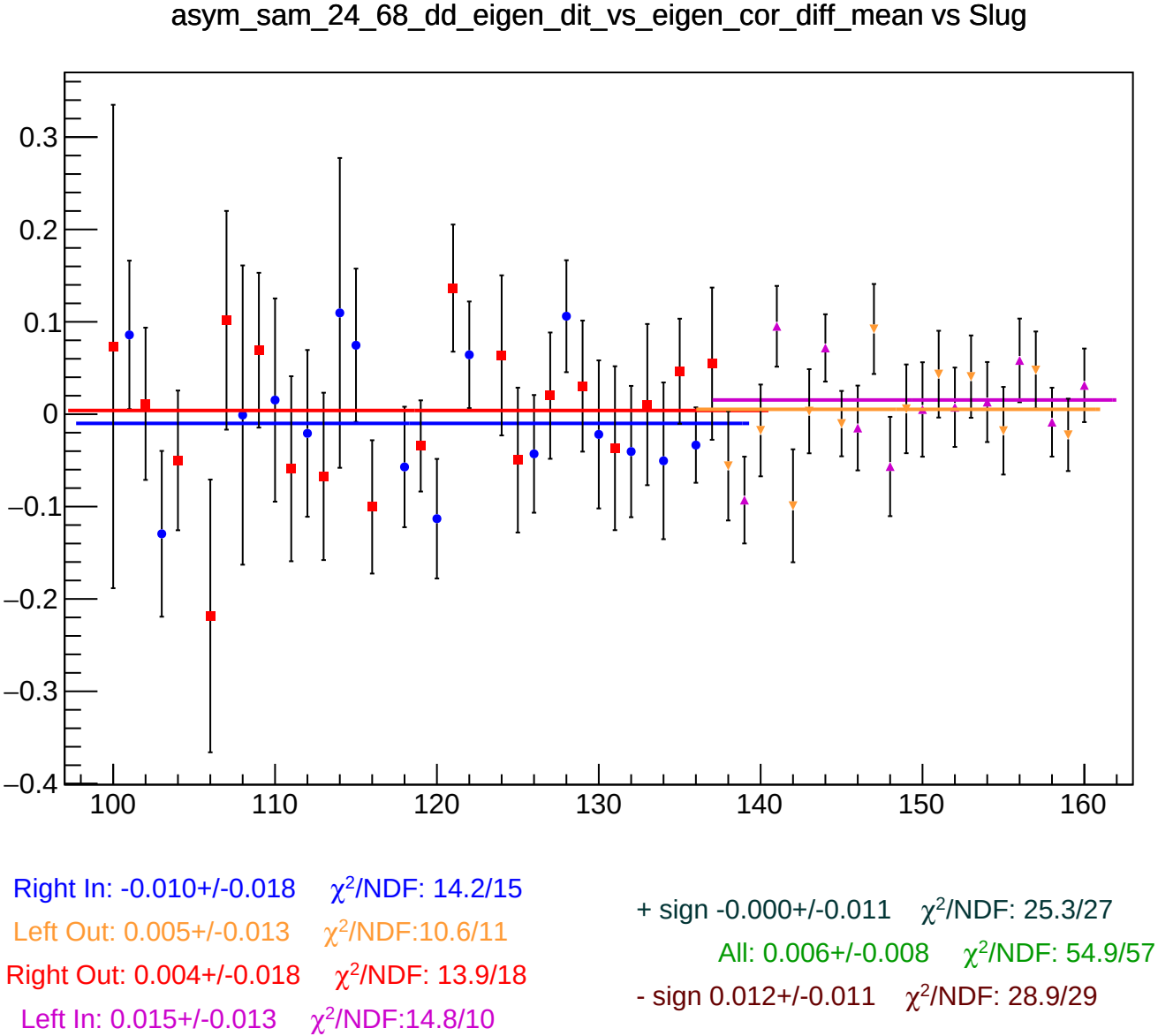
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

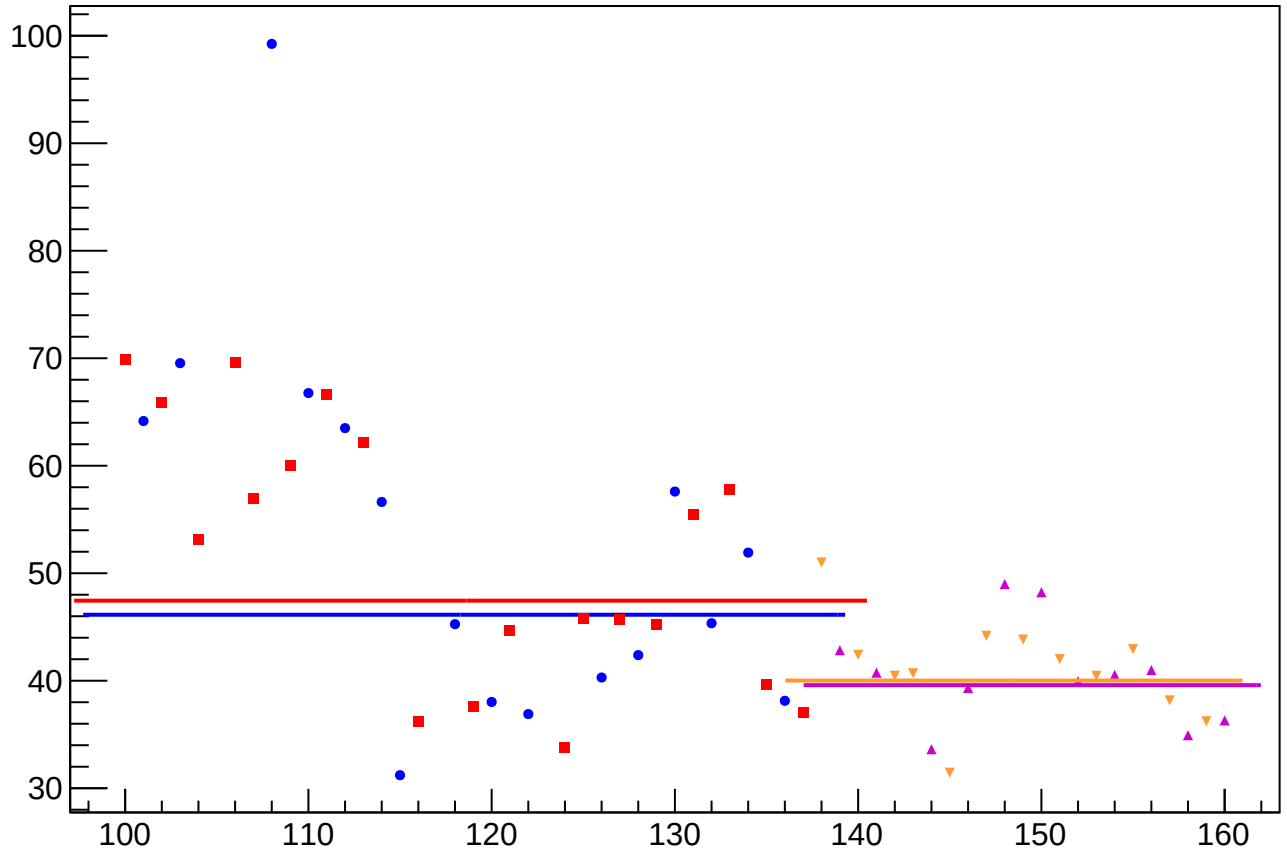
Left In: 39.590+/-0.009 χ^2/NDF:230756.8/10

+ sign 42.166+/-0.008 χ^2/NDF: 1306155.5/27

All: 42.227+/-0.005 χ^2/NDF: 2439515.4/57

- sign 42.288+/-0.007 χ^2/NDF: 1133228.6/29


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
Right In: -0.010+/-0.018 χ²/NDF: 14.2/15
Left Out: 0.005+/-0.013 χ²/NDF:10.6/11
Right Out: 0.004+/-0.018 χ²/NDF: 13.9/18
Left In: 0.015+/-0.013 χ²/NDF:14.8/10
+ sign -0.000+/-0.011 χ²/NDF: 25.3/27
All: 0.006+/-0.008 χ²/NDF: 54.9/57
- sign 0.012+/-0.011 χ²/NDF: 28.9/29



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.020+/-0.009 χ^2/NDF:252646.2/11

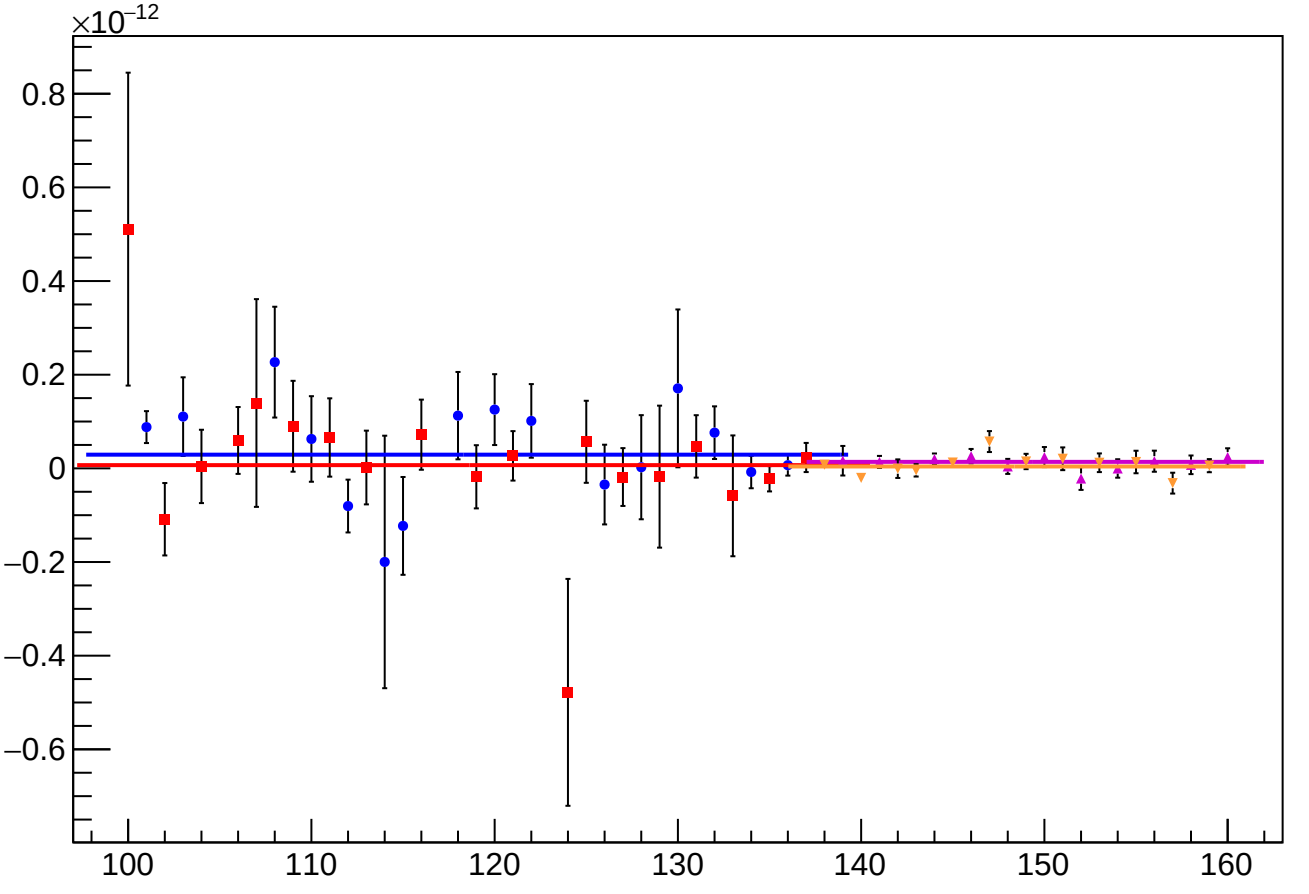
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.590+/-0.009 χ^2/NDF:230756.8/10

+ sign 42.166+/-0.008 χ^2/NDF: 1306155.5/27

All: 42.227+/-0.005 χ^2/NDF: 2439515.4/57

- 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:16.1/11

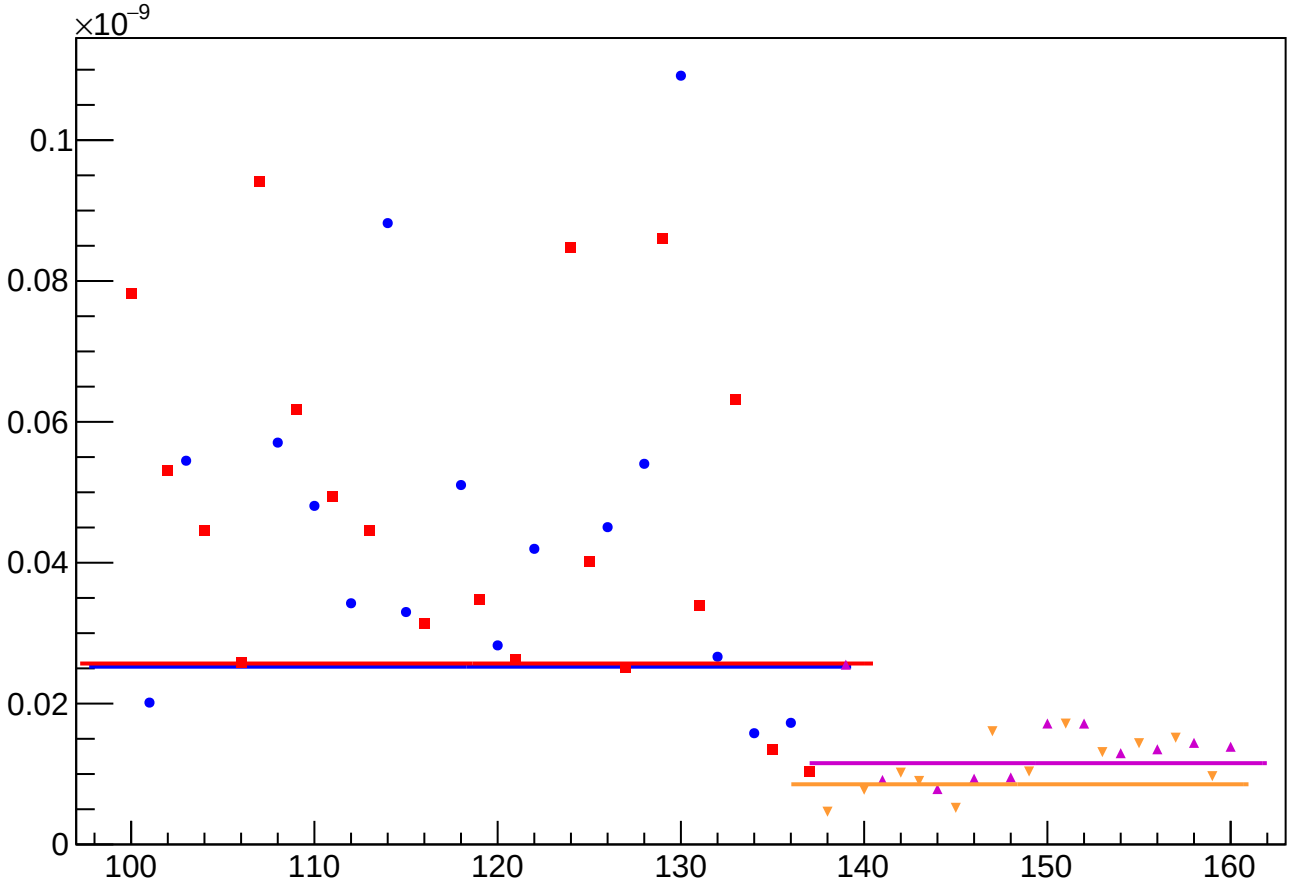
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 40.2/27

All: 0.000+/-0.000 χ^2/NDF: 60.3/57

- 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:1502818.8/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

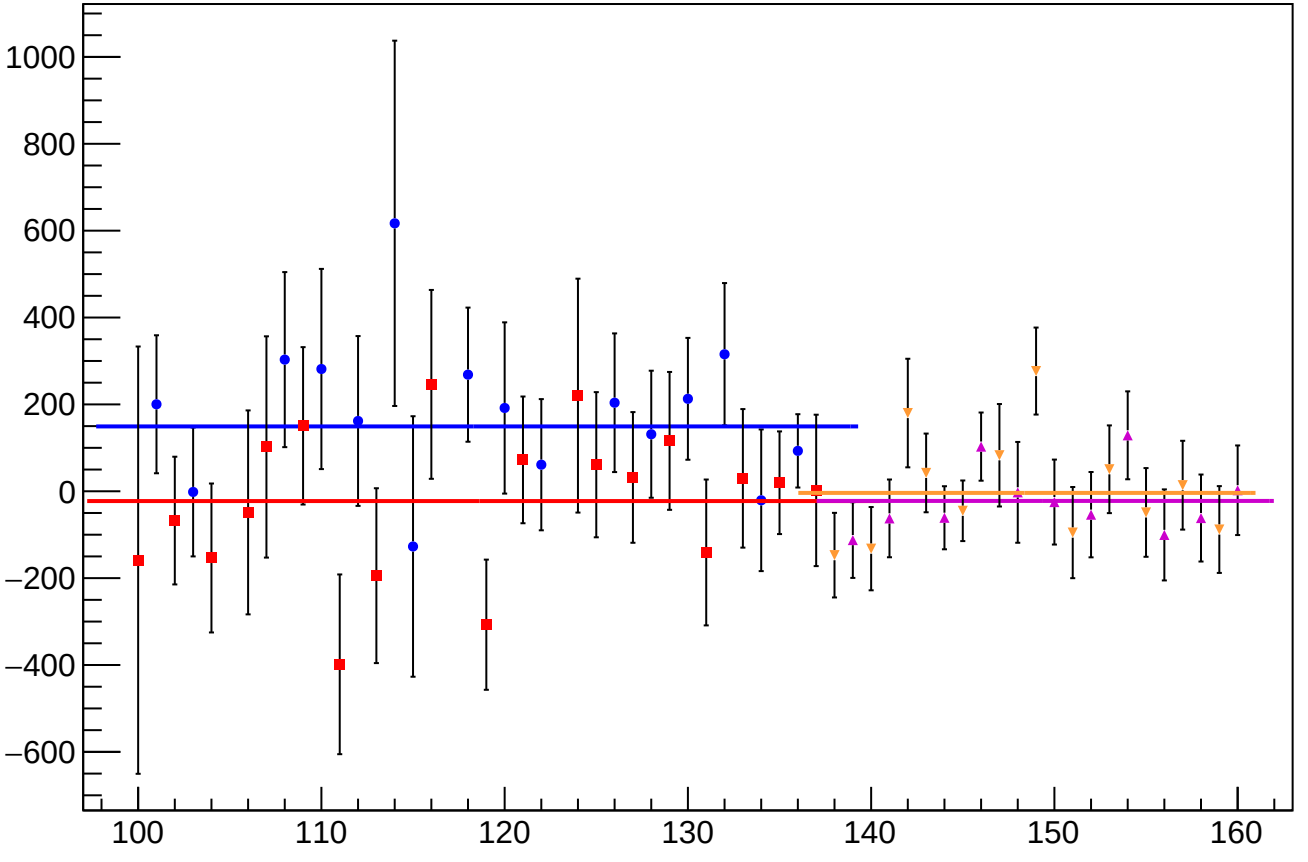
Left In: 0.000+/-0.000 χ^2/NDF:1068360.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 6406388.0/27

All: 0.000+/-0.000 χ^2/NDF: 12494754.2/57

- 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: -3.755+/-28.198 χ^2/NDF:17.1/11

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

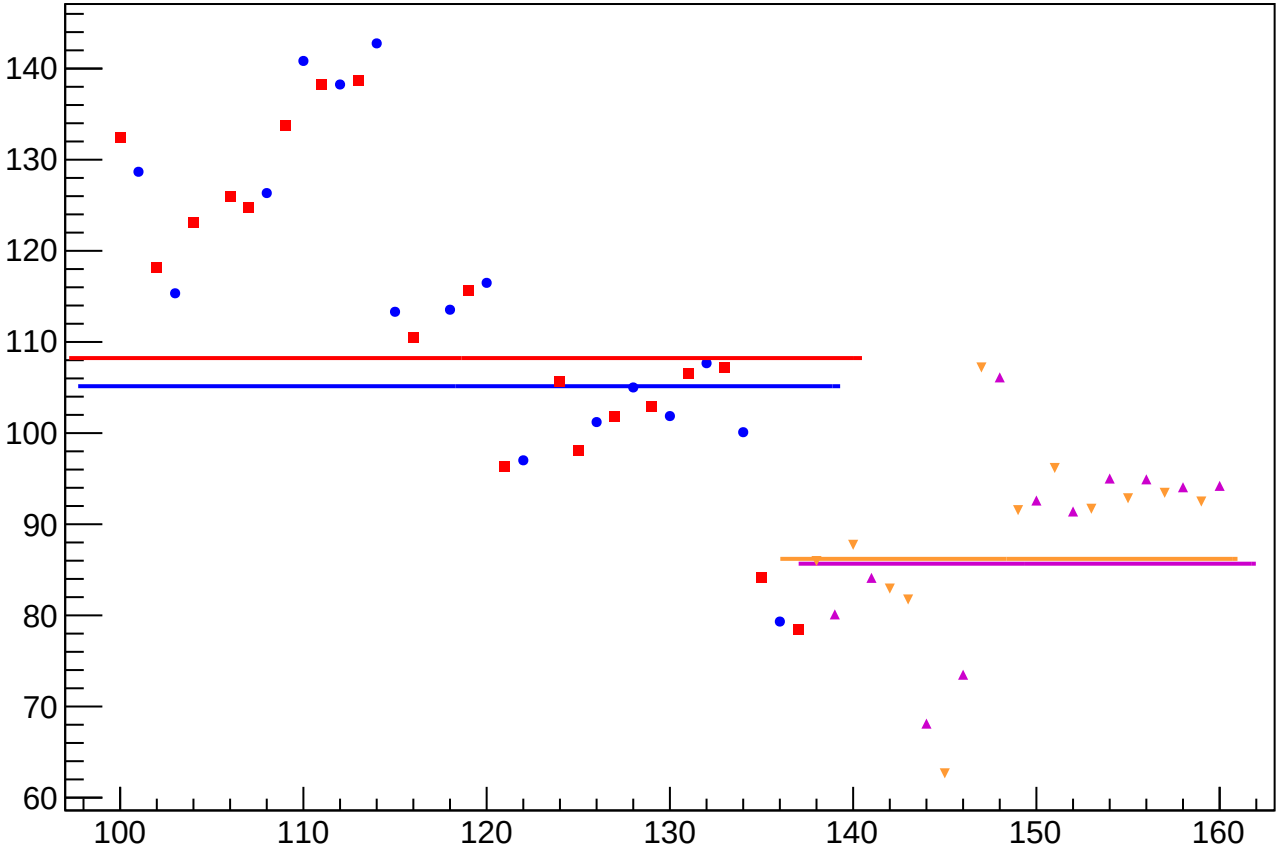
Left In: -22.246+/-28.025 χ^2/NDF:7.2/10

+ sign 47.591+/-22.987 χ^2/NDF: 35.0/27

All: 12.599+/-16.248 χ^2/NDF: 61.1/57

- 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: 86.202+/-0.020 χ^2/NDF:353894.6/11

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

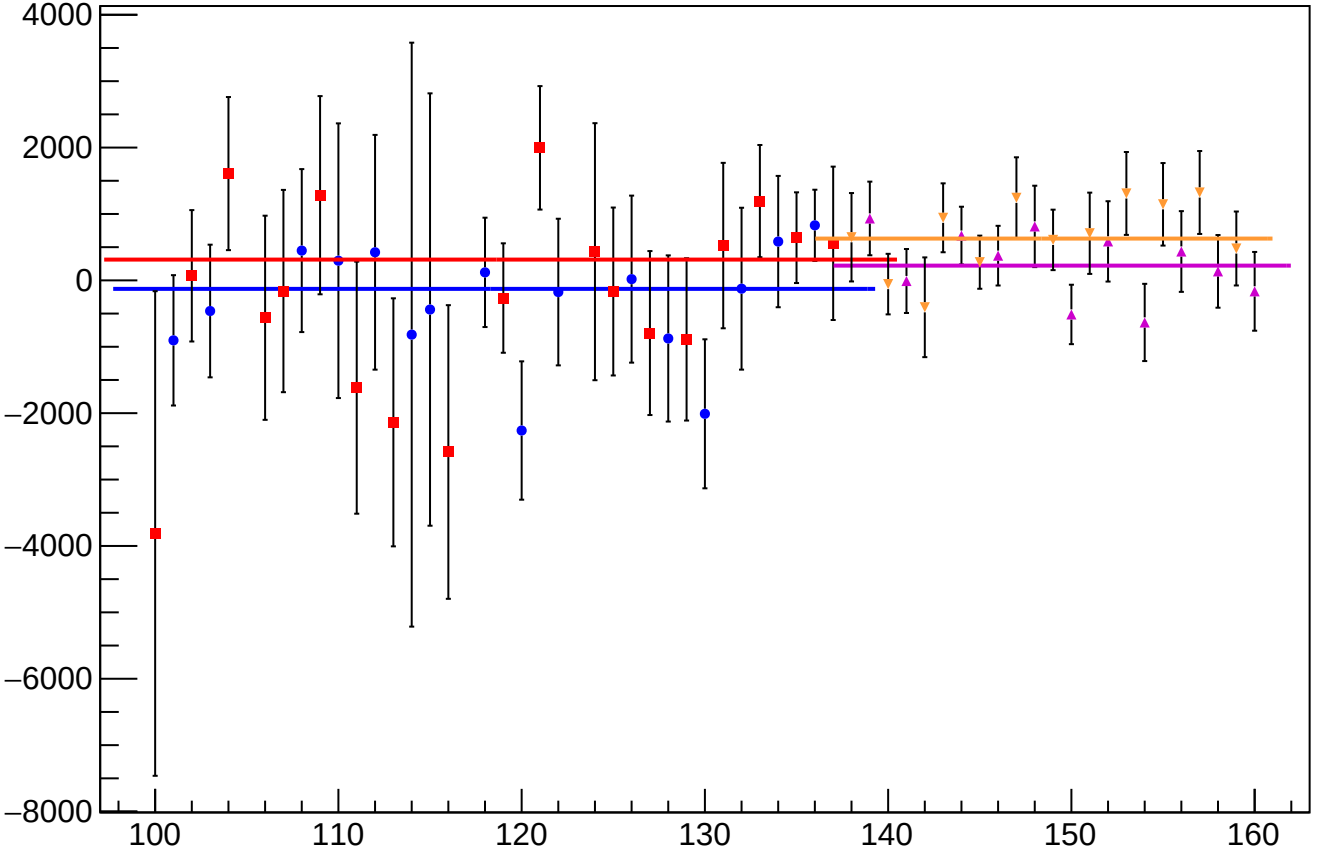
Left In: 85.670+/-0.020 χ^2/NDF:313061.6/10

+ sign 92.558+/-0.016 χ^2/NDF: 1065118.7/27

All: 92.816+/-0.011 χ^2/NDF: 2154027.1/57

- sign 93.074+/-0.016 χ^2/NDF: 1088403.9/29

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 629.452+/-158.276 χ^2/NDF:9.5/11

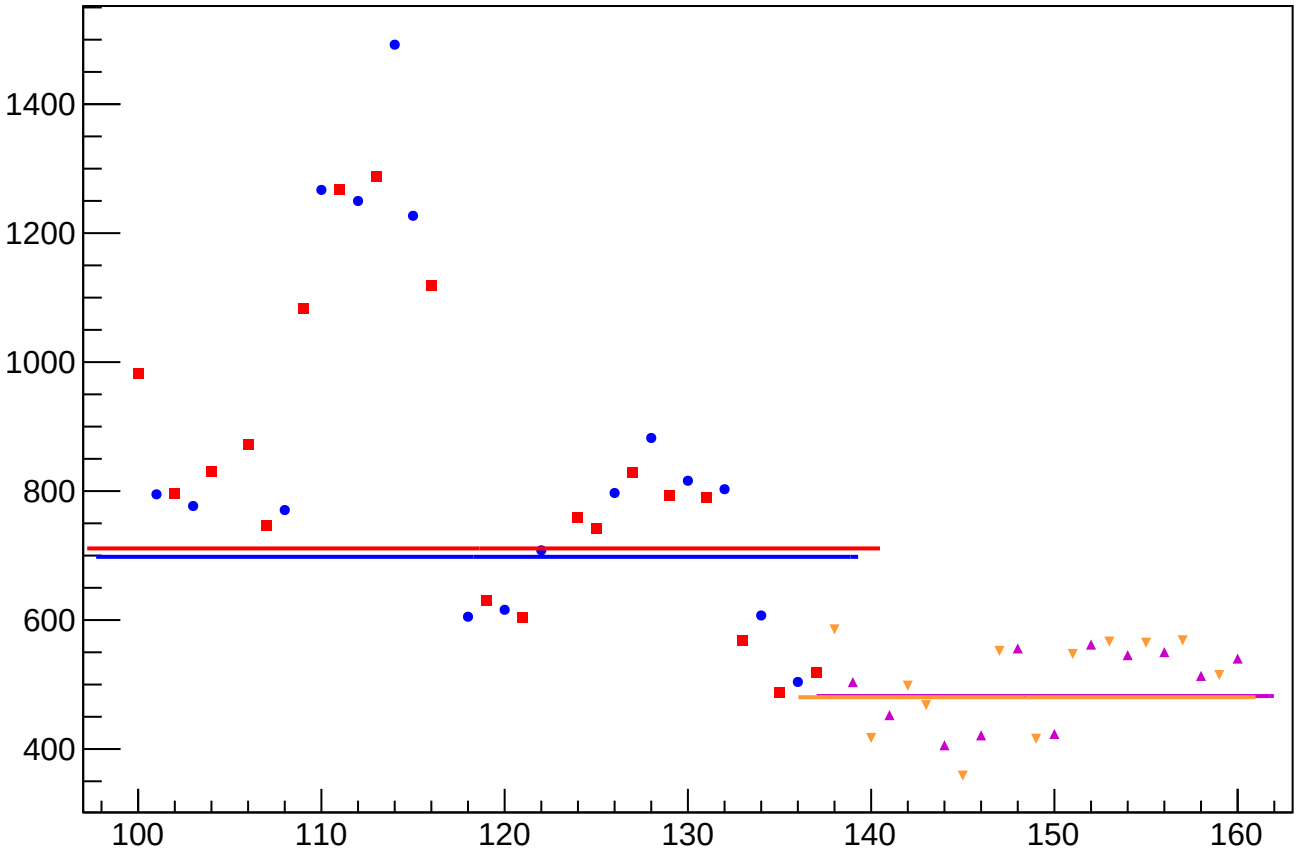
Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: 222.137+/-158.052 χ^2/NDF:9.8/10

+ sign 434.227+/-136.363 χ^2/NDF: 27.7/27

All: 339.809+/-96.442 χ^2/NDF: 53.6/57

- sign 245.318+/-136.417 χ^2/NDF: 24.9/29



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 480.312+/-0.112 χ^2/NDF:489443.3/11

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

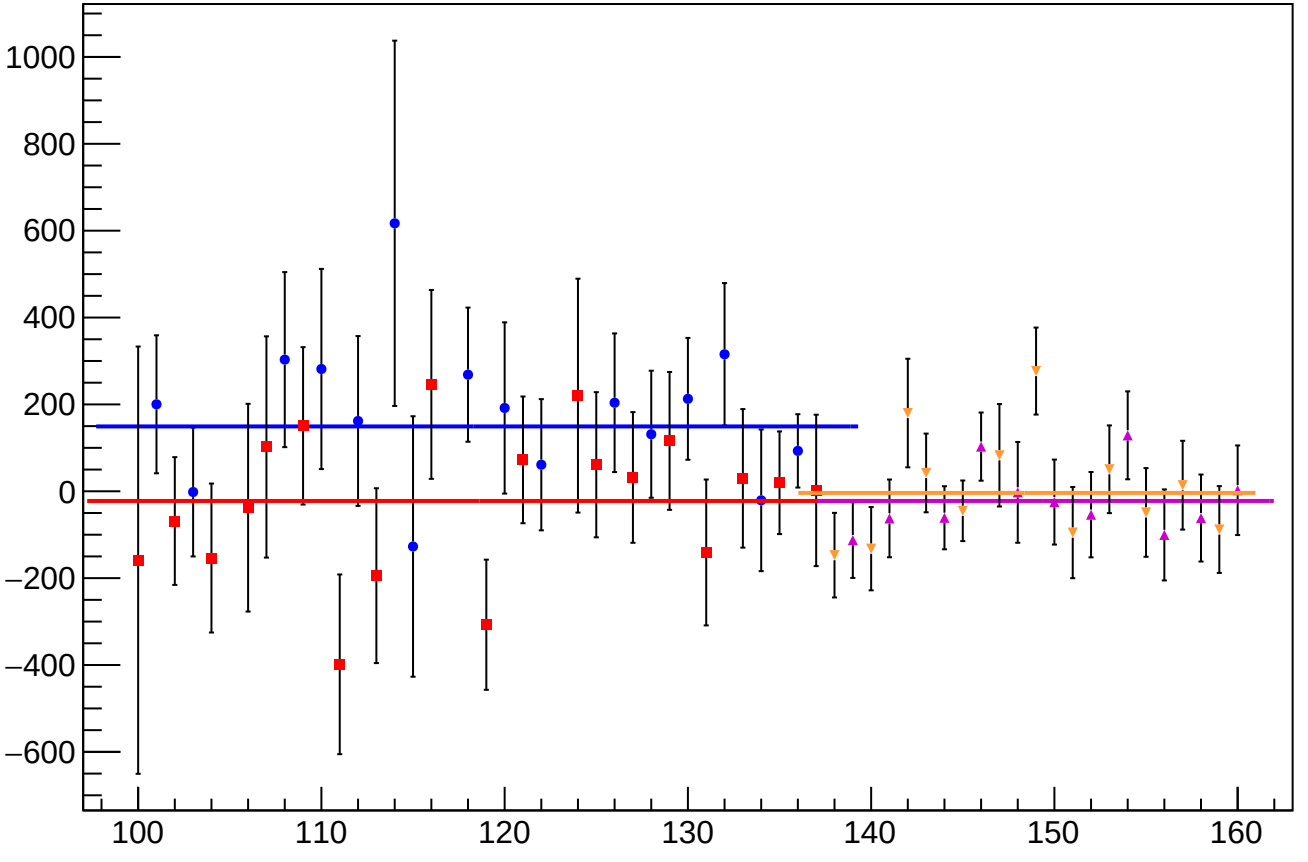
Left In: 482.179+/-0.112 χ^2/NDF:281995.4/10

+ sign 536.428+/-0.096 χ^2/NDF: 2377819.0/27

All: 538.492+/-0.068 χ^2/NDF: 4765751.7/57

- 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: -3.753+/-28.198 χ^2/NDF:17.1/11

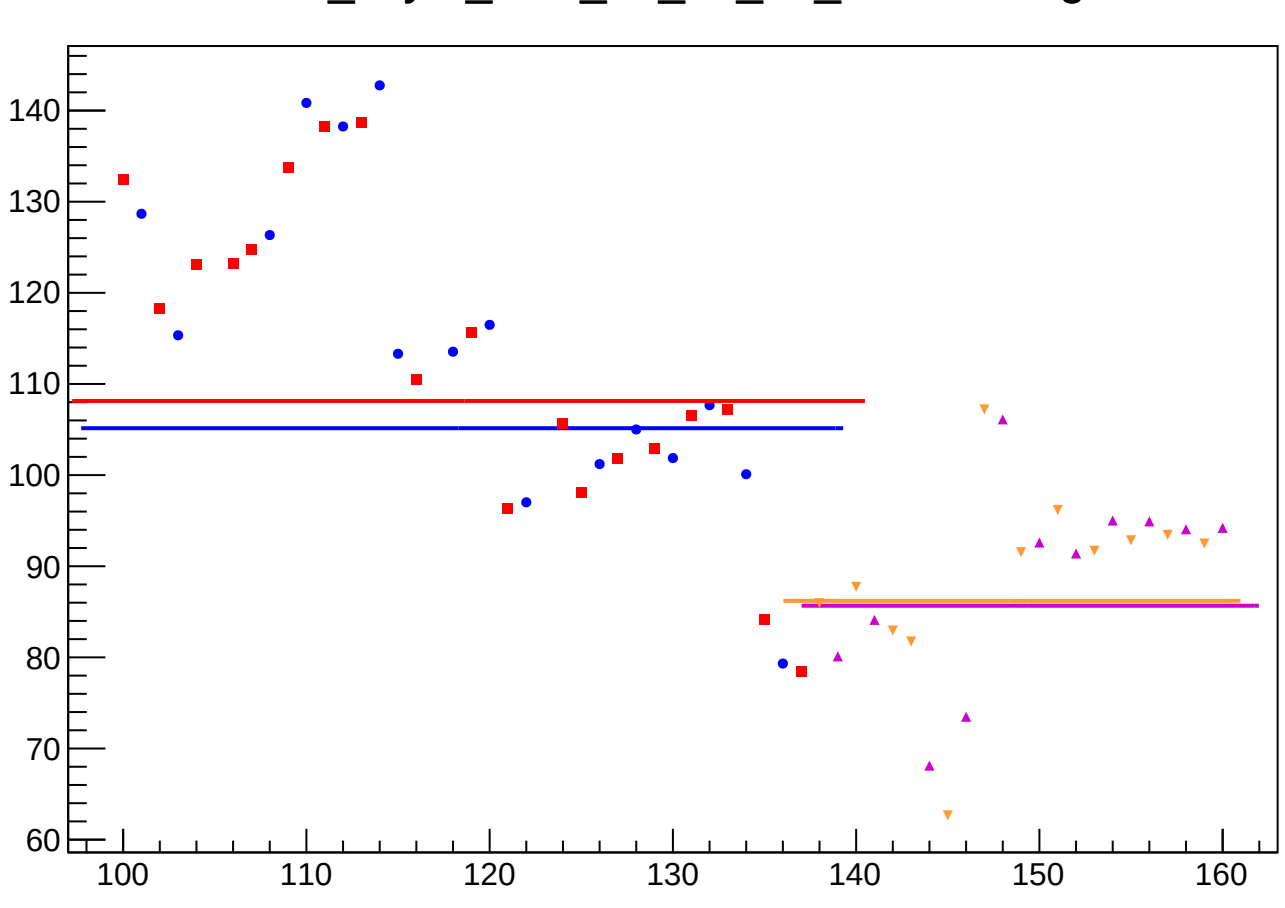
Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: -22.243+/-28.025 χ^2/NDF:7.2/10

+ sign 47.589+/-22.987 χ^2/NDF: 35.0/27

All: 12.647+/-16.250 χ^2/NDF: 61.1/57

- sign -22.261+/-22.975 χ^2/NDF: 21.4/29



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 86.202+/-0.020 χ^2/NDF:353894.6/11

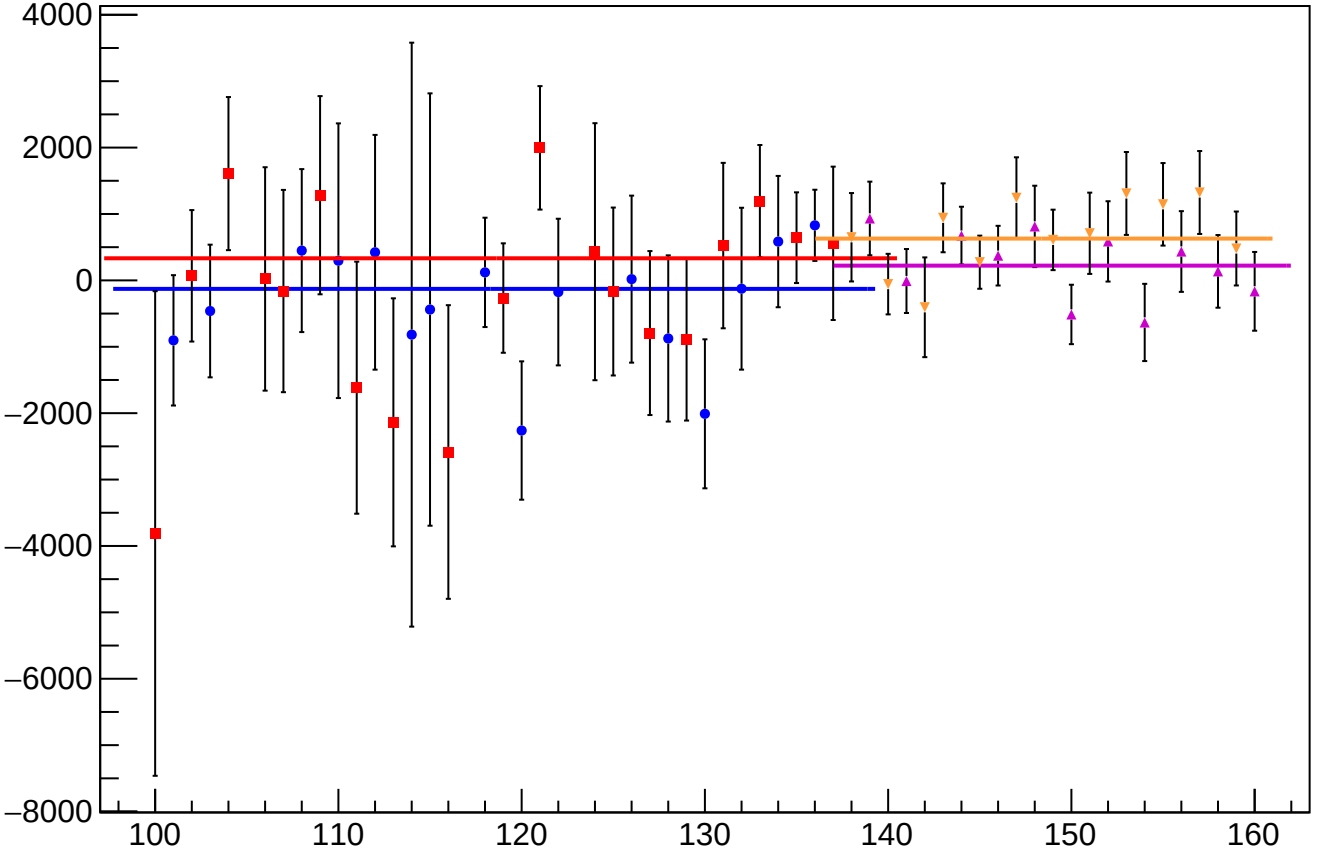
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.670+/-0.020 χ^2/NDF:313061.6/10

+ sign 92.558+/-0.016 χ^2/NDF: 1065119.0/27

All: 92.797+/-0.011 χ^2/NDF: 2146404.4/57

- 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: 629.455+/-158.276 χ^2/NDF:9.5/11

Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

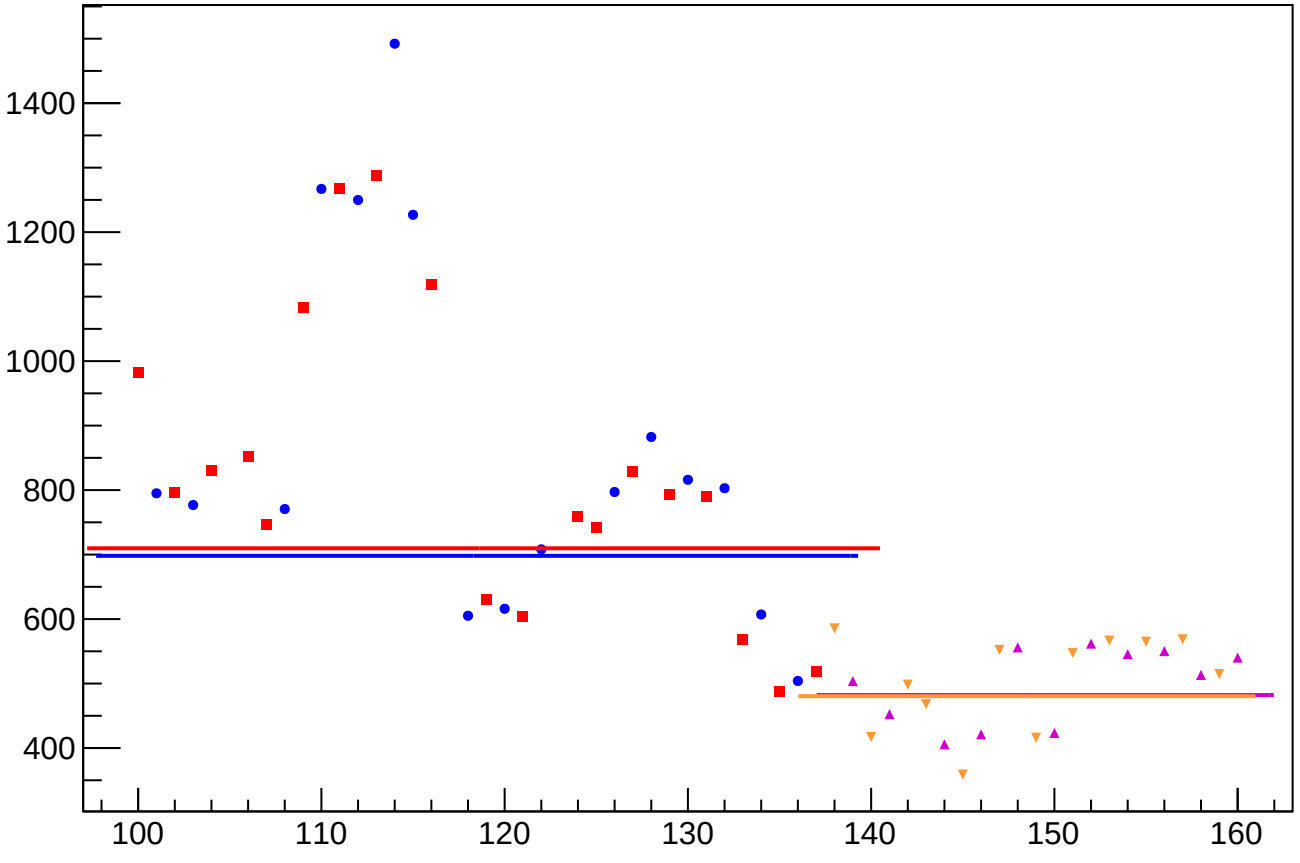
Left In: 222.137+/-158.052 χ^2/NDF:9.8/10

+ sign 434.232+/-136.363 χ^2/NDF: 27.7/27

All: 342.321+/-96.474 χ^2/NDF: 53.3/57

- 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: 480.312+/-0.112 χ^2/NDF:489444.7/11

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

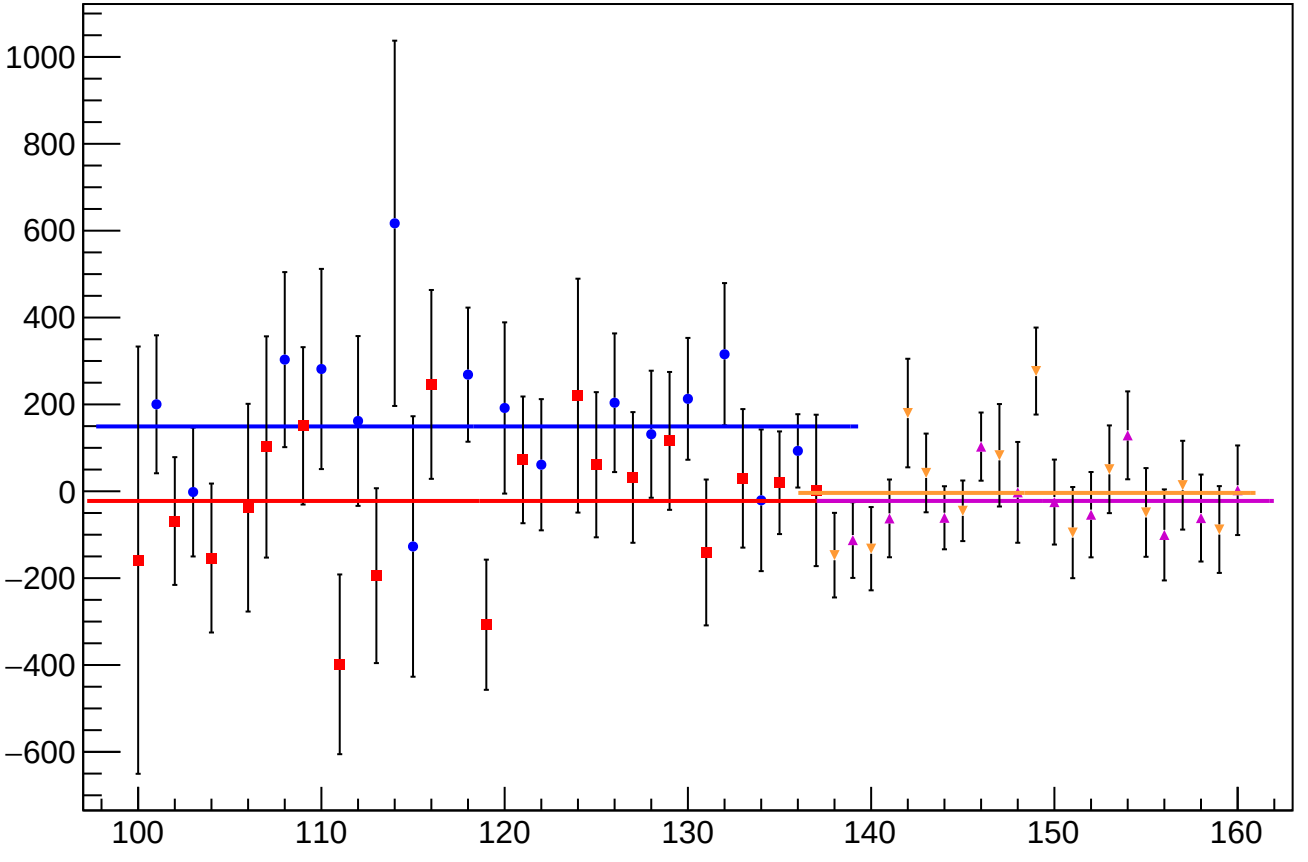
Left In: 482.179+/-0.112 χ^2/NDF:281992.6/10

+ sign 536.428+/-0.096 χ^2/NDF: 2377832.6/27

All: 538.208+/-0.068 χ^2/NDF: 4740942.3/57

- sign 539.991+/-0.097 χ^2/NDF: 2362427.8/29

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -3.753+/-28.198 χ^2/NDF:17.1/11

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

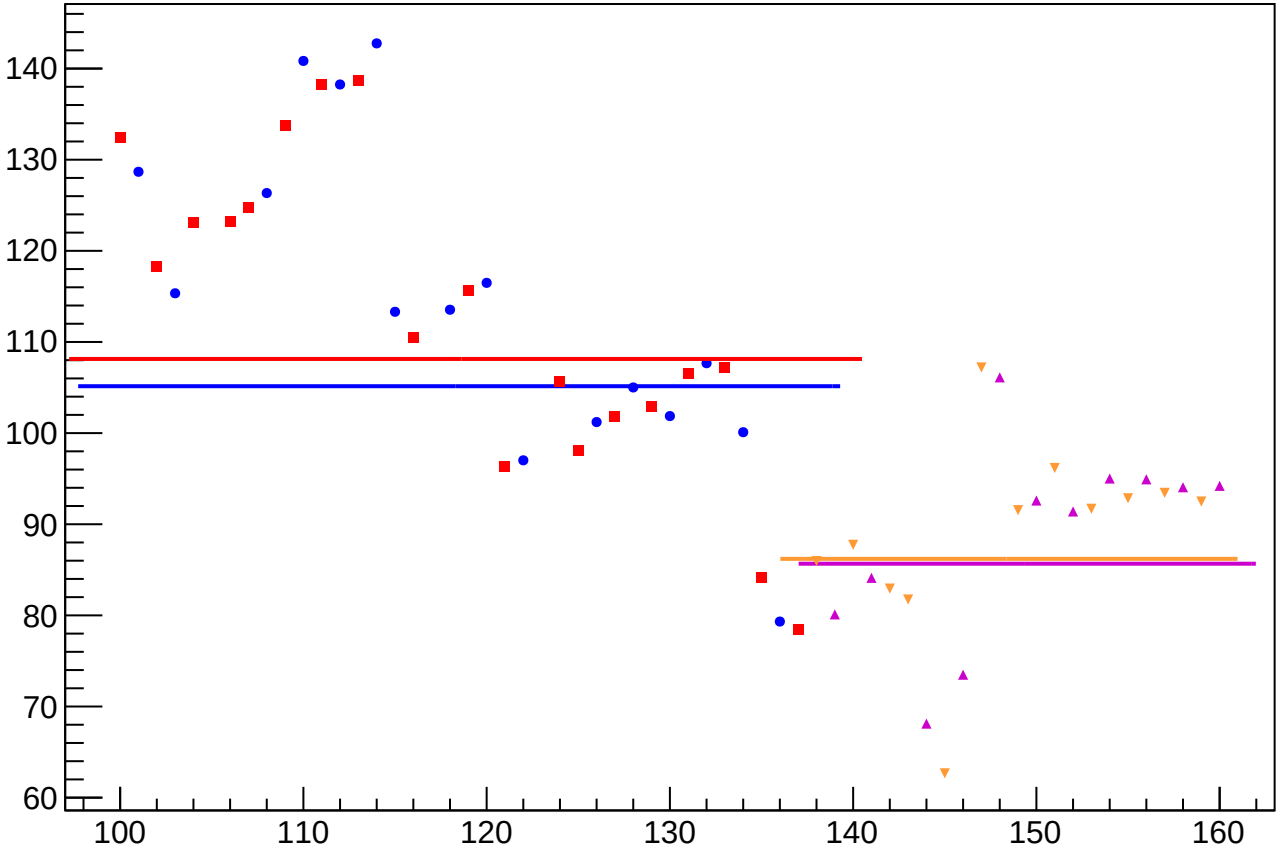
Left In: -22.243+/-28.025 χ^2/NDF:7.2/10

+ sign 47.589+/-22.987 χ^2/NDF: 35.0/27

All: 12.647+/-16.250 χ^2/NDF: 61.1/57

- 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: 86.202+/-0.020 χ^2/NDF:353894.6/11

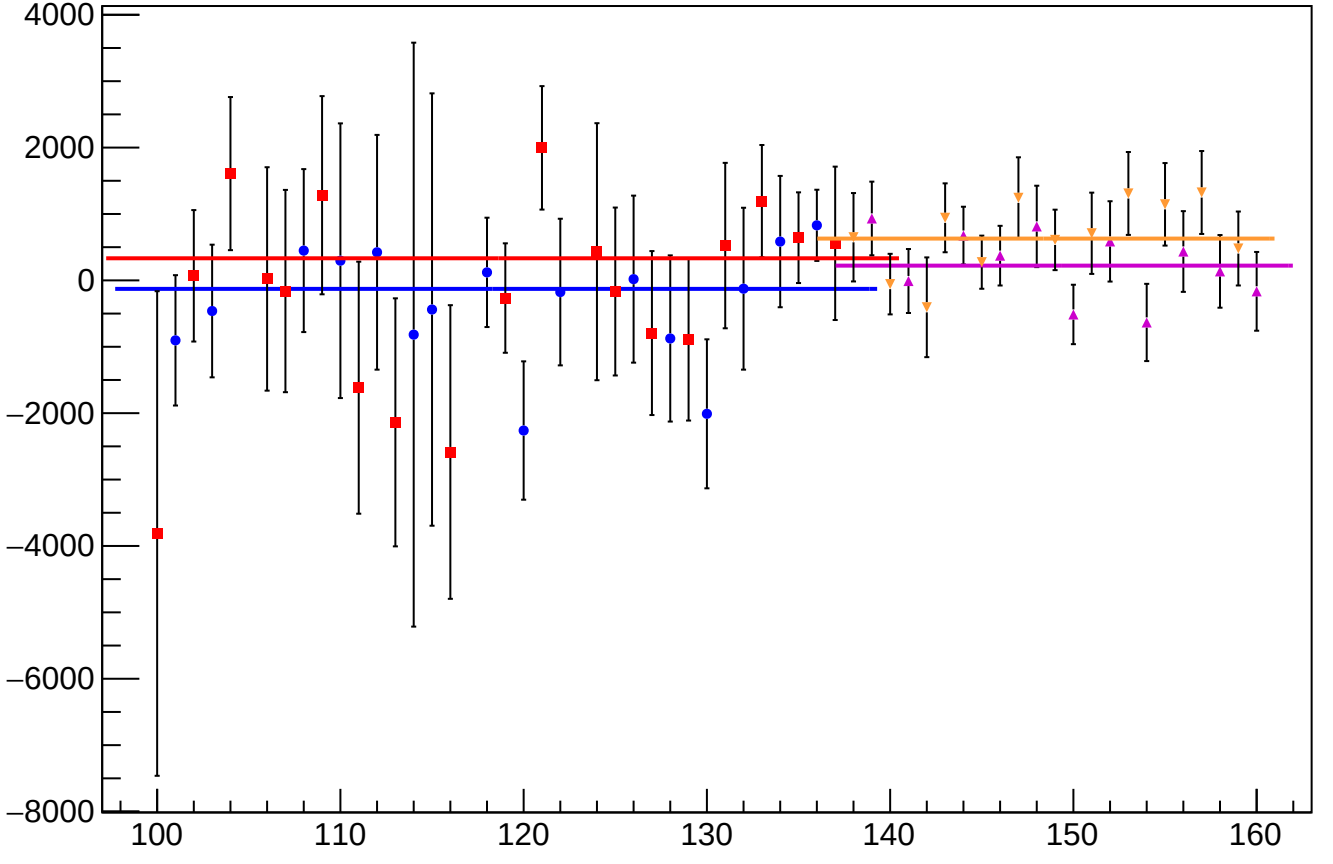
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.670+/-0.020 χ^2/NDF:313061.6/10

\+ sign 92.558+/-0.016 χ^2/NDF: 1065119.0/27

All: 92.797+/-0.011 χ^2/NDF: 2146404.4/57

\- 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: 629.455+/-158.276 χ^2/NDF:9.5/11

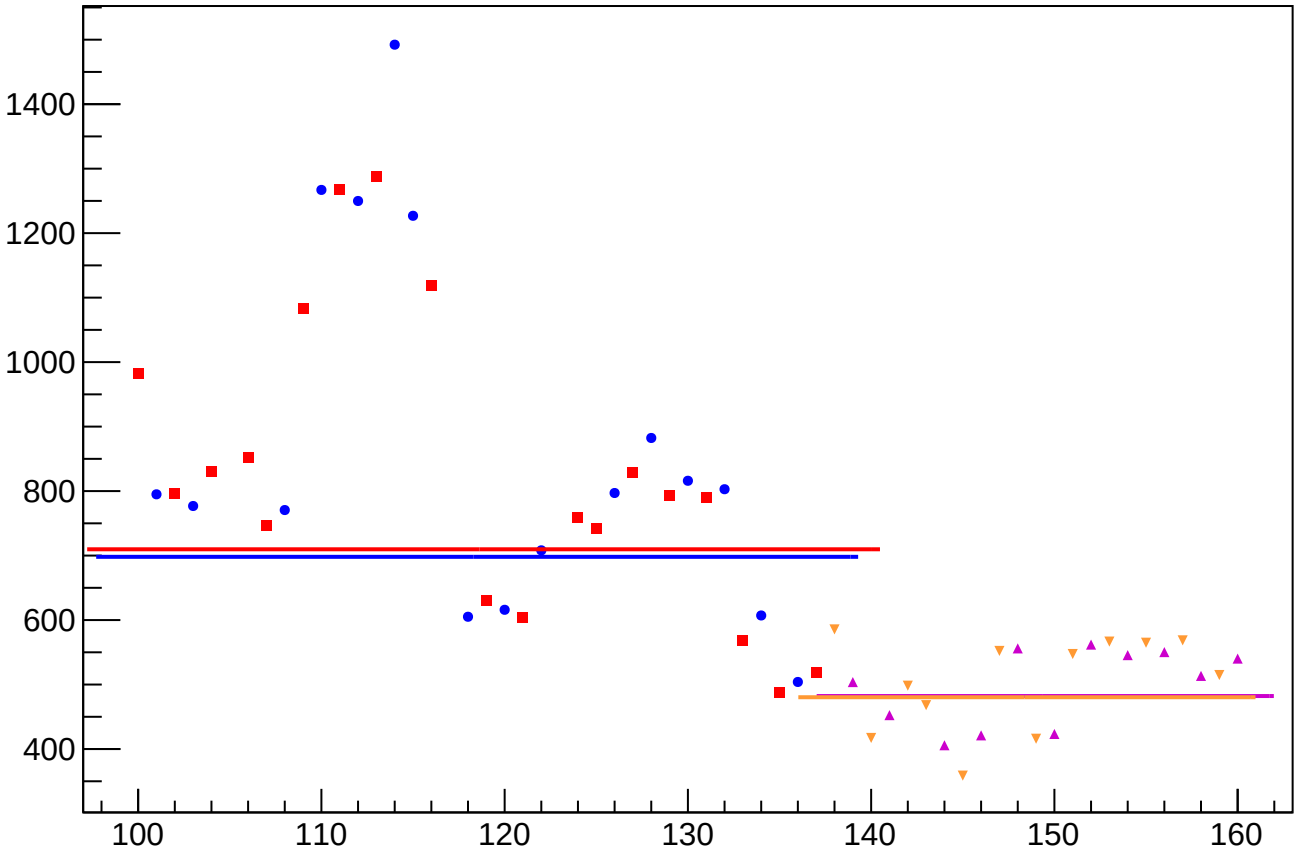
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 222.137+/-158.052 χ^2/NDF:9.8/10

+ sign 434.232+/-136.363 χ^2/NDF: 27.7/27

All: 342.321+/-96.474 χ^2/NDF: 53.3/57

- 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: 480.312+/-0.112 χ^2/NDF:489444.7/11

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

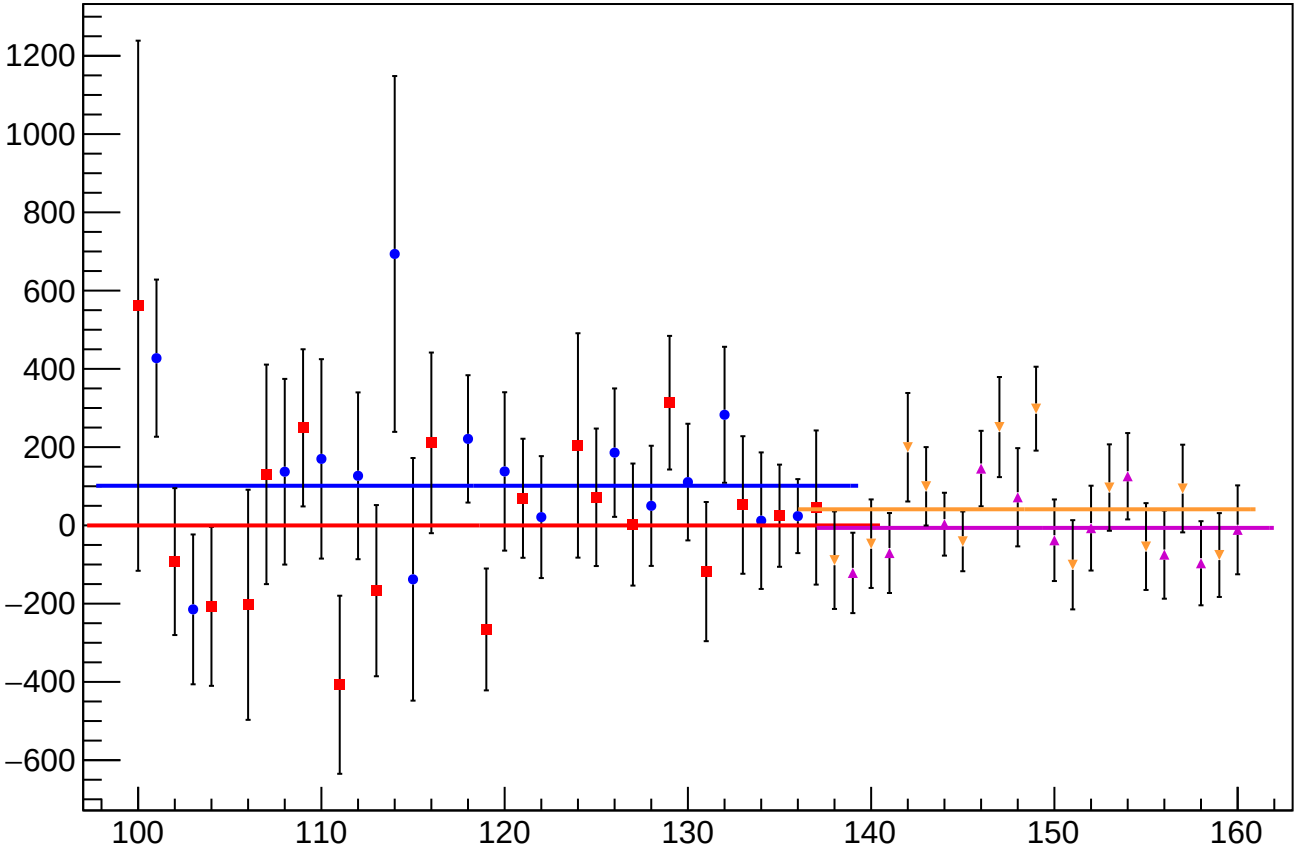
Left In: 482.179+/-0.112 χ^2/NDF:281992.6/10

+ sign 536.428+/-0.096 χ^2/NDF: 2377832.6/27

All: 538.208+/-0.068 χ^2/NDF: 4740942.3/57

- 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: 41.146+/-31.302 χ^2/NDF:16.9/11

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

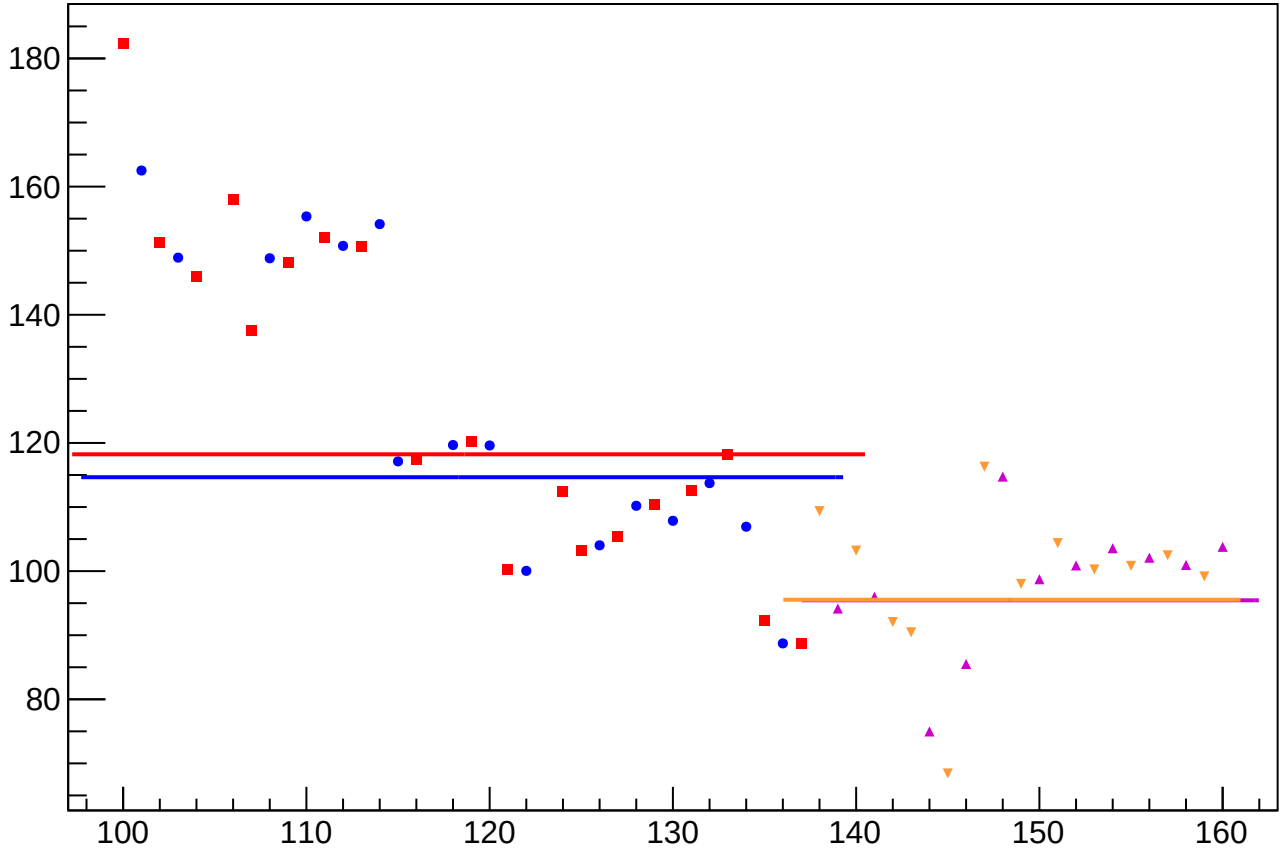
Left In: -6.405+/-31.335 χ^2/NDF:7.1/10

+ sign 61.655+/-25.410 χ^2/NDF: 29.2/27

All: 28.837+/-18.010 χ^2/NDF: 56.3/57

- 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: 95.538+/-0.022 χ^2/NDF:375943.1/11

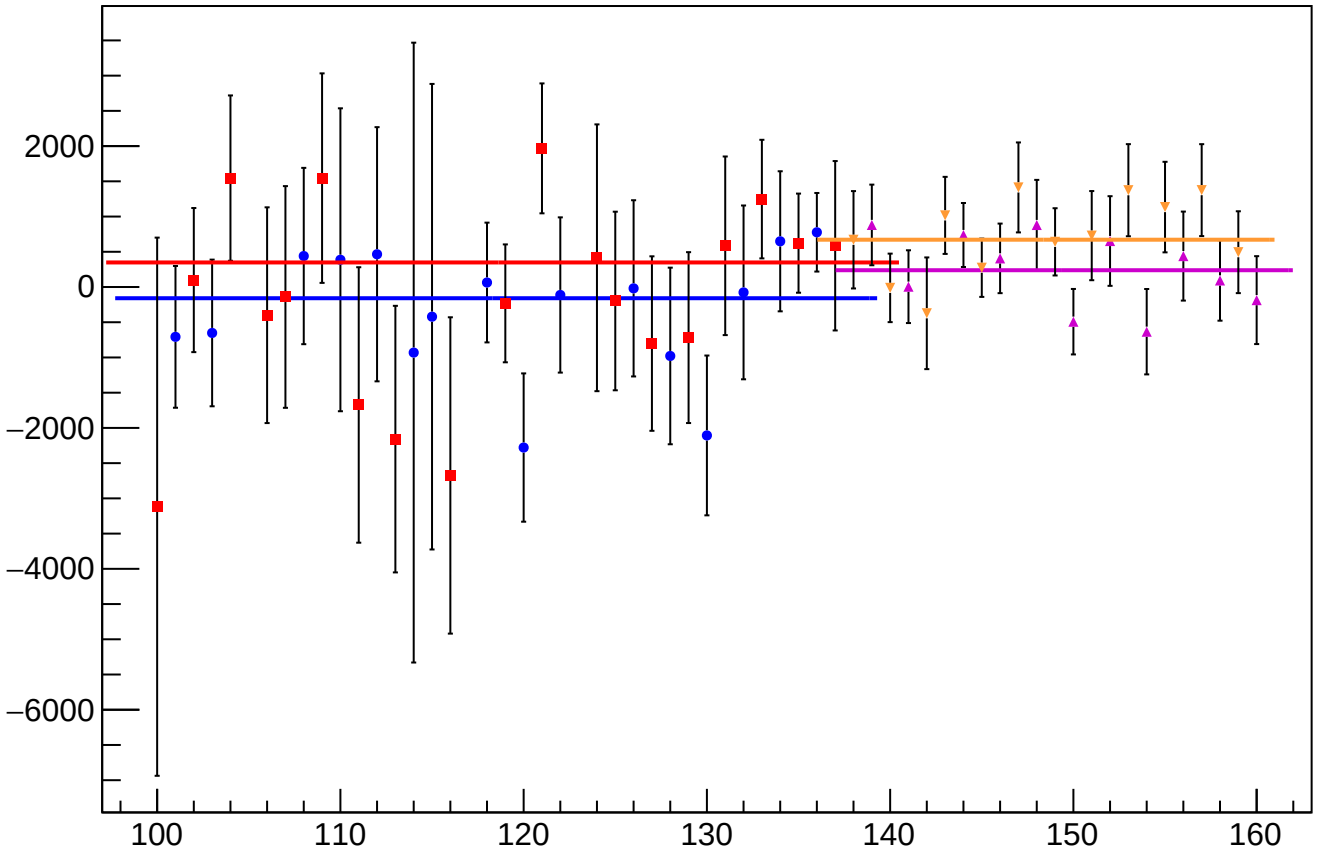
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 95.447+/-0.022 χ^2/NDF:239553.4/10

+ sign 102.058+/-0.018 χ^2/NDF: 1162318.0/27

All: 102.579+/-0.013 χ^2/NDF: 2242405.3/57

- 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: 671.312+/-165.480 χ^2/NDF:9.3/11

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

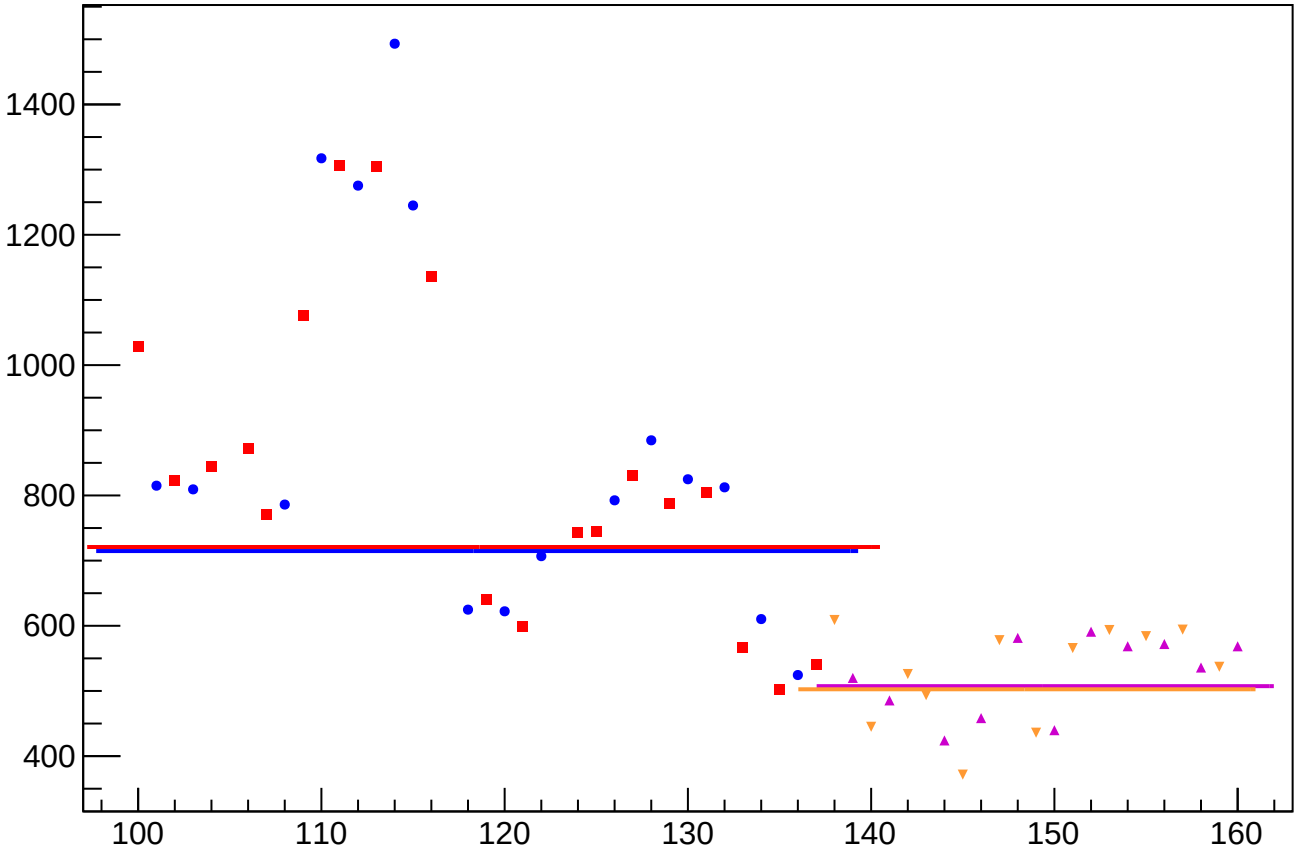
Left In: 238.276+/-166.310 χ^2/NDF:9.4/10

\+ sign 450.032+/-141.728 χ^2/NDF: 28.0/27

All: 359.275+/-100.353 χ^2/NDF: 52.7/57

\- 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: 502.556+/-0.117 χ^2/NDF:482080.5/11

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

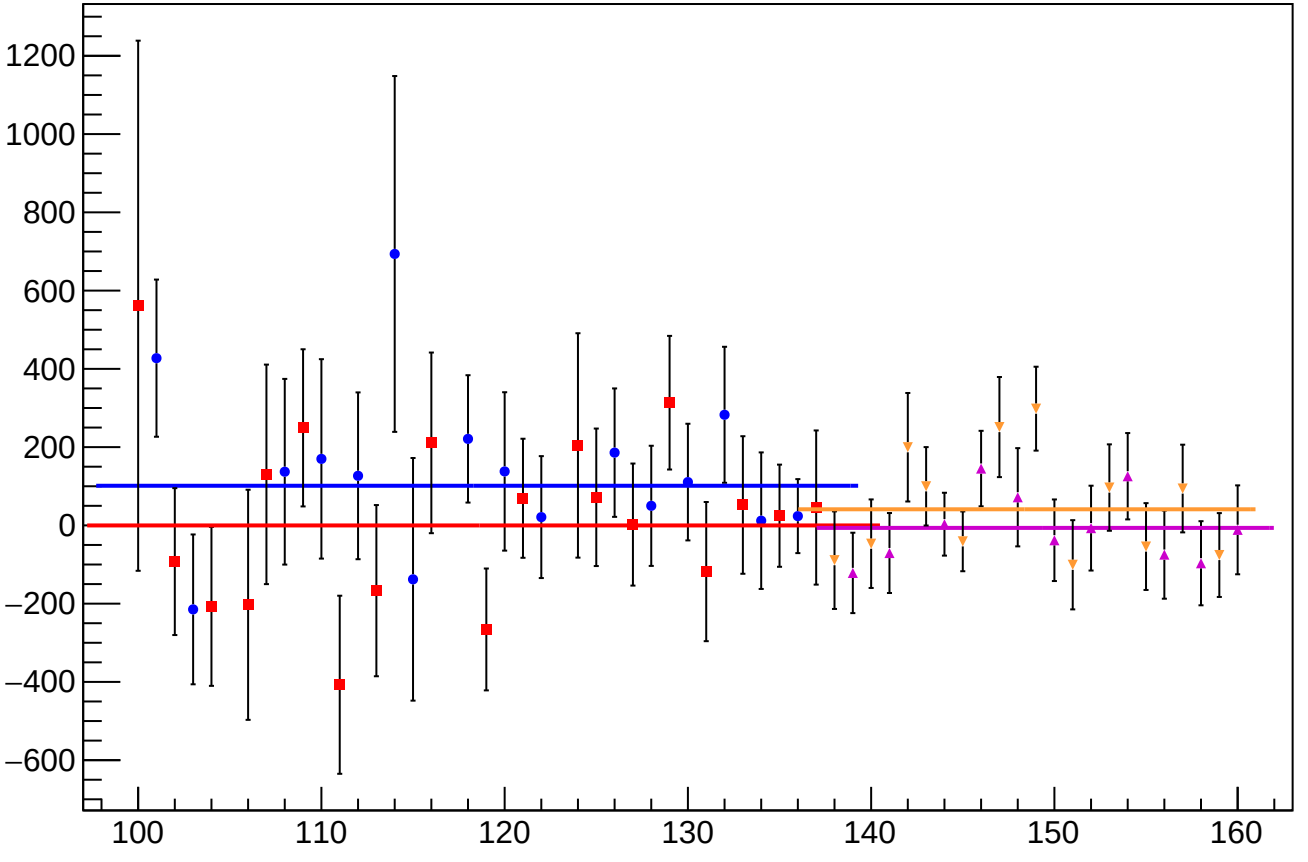
Left In: 507.378+/-0.118 χ^2/NDF:260691.7/10

+ sign 559.076+/-0.100 χ^2/NDF: 2233899.0/27

All: 562.022+/-0.071 χ^2/NDF: 4404104.9/57

- 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: 41.145+/-31.302 χ^2/NDF:16.9/11

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

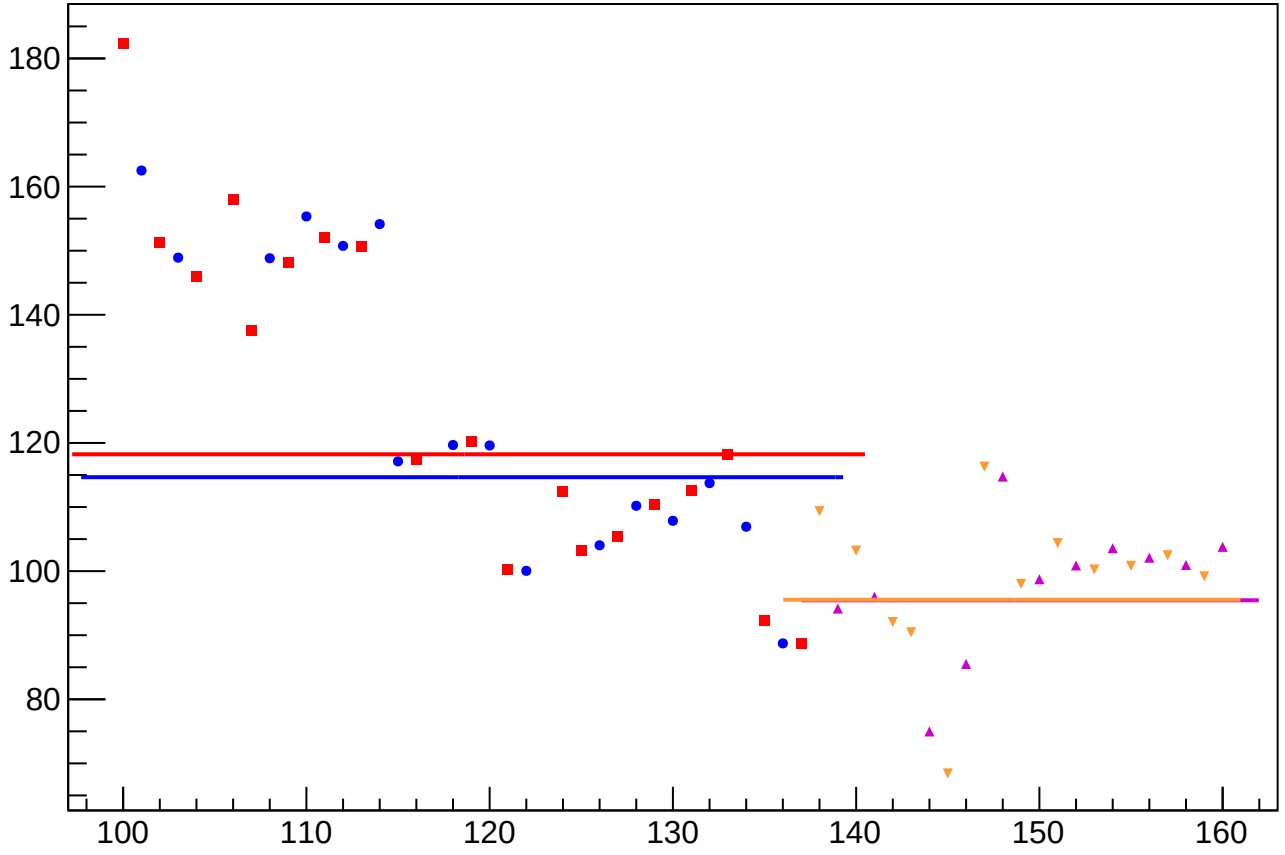
Left In: -6.404+/-31.335 χ^2/NDF:7.1/10

+ sign 61.654+/-25.410 χ^2/NDF: 29.2/27

All: 28.837+/-18.010 χ^2/NDF: 56.3/57

- 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: 95.538+/-0.022 χ^2/NDF:375948.7/11

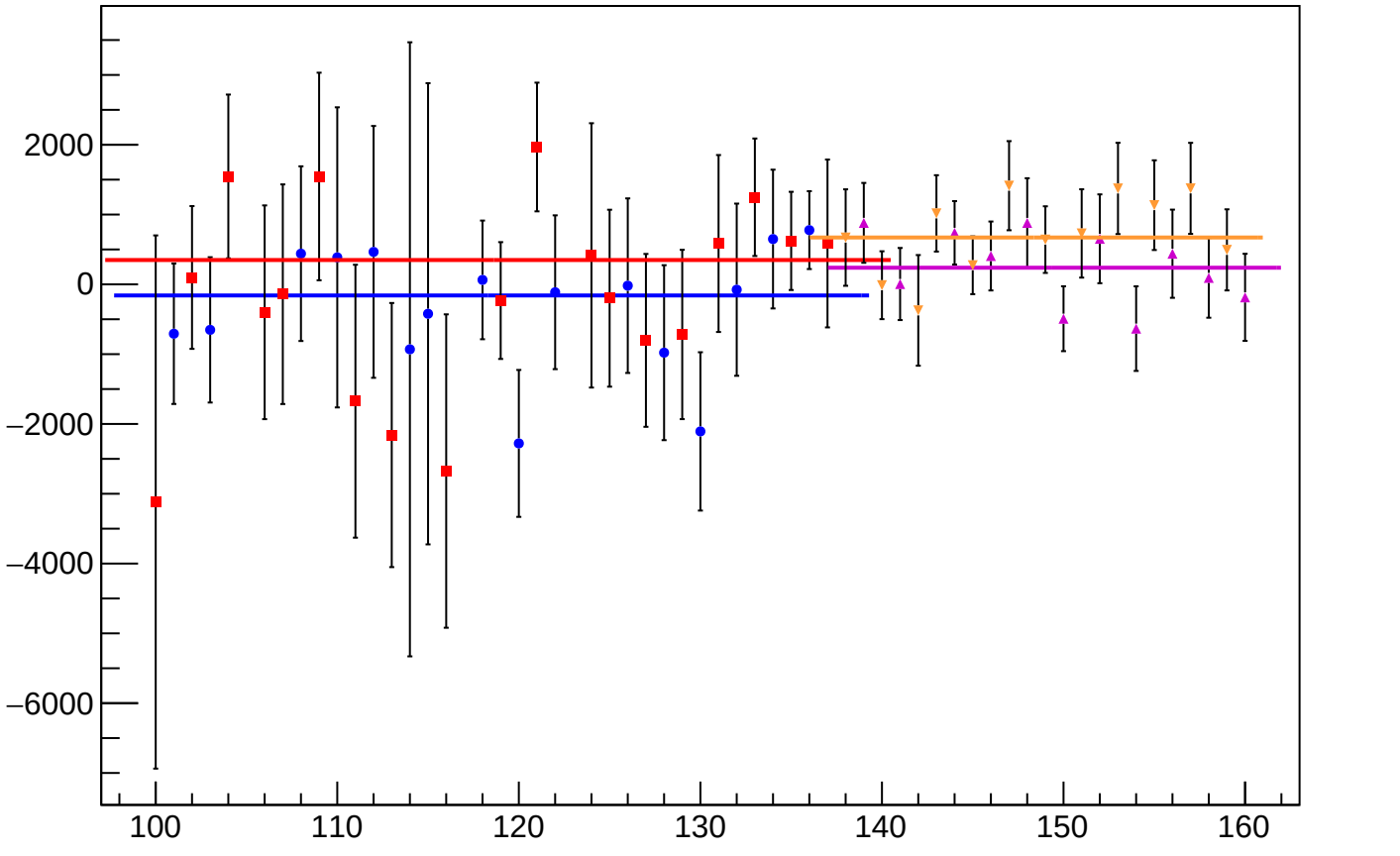
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 95.447+/-0.022 χ^2/NDF:239554.3/10

+ sign 102.058+/-0.018 χ^2/NDF: 1162313.5/27

All: 102.579+/-0.013 χ^2/NDF: 2242392.3/57

- 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: 671.311+/-165.480 χ^2/NDF:9.3/11

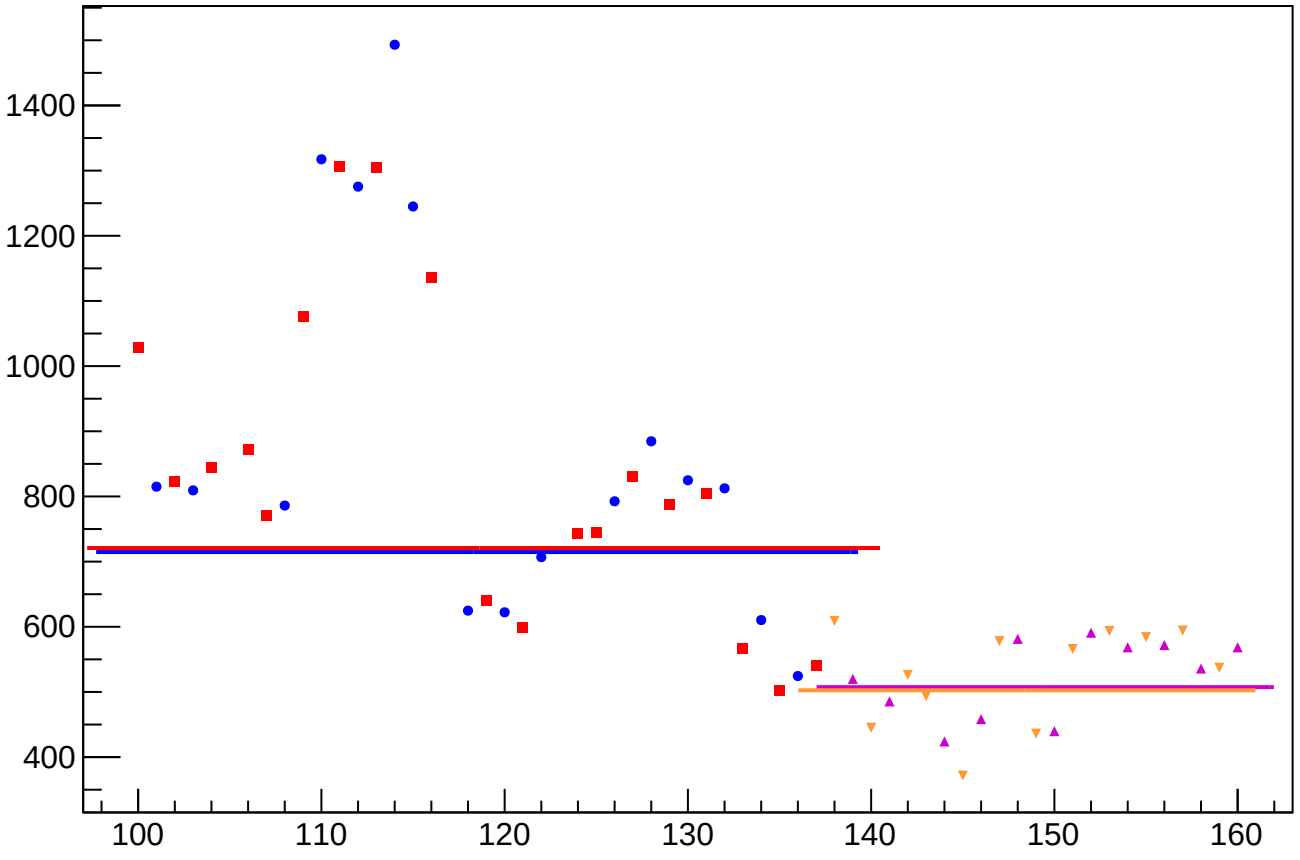
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 238.276+/-166.310 χ^2/NDF:9.4/10

+ sign 450.031+/-141.728 χ^2/NDF: 28.0/27

All: 359.275+/-100.353 χ^2/NDF: 52.7/57

- 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: 502.556+/-0.117 χ^2/NDF:482082.3/11

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

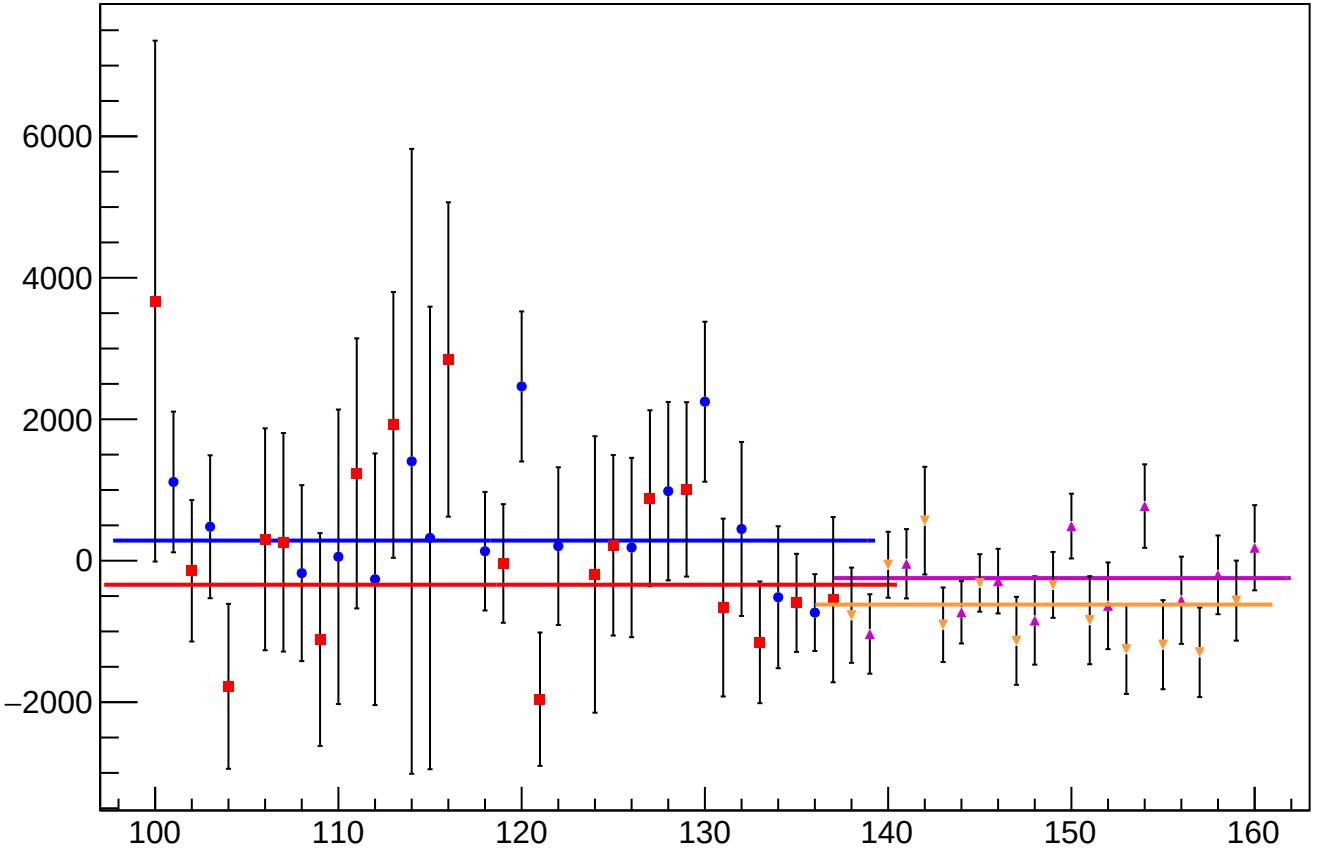
Left In: 507.379+/-0.118 χ^2/NDF:260689.8/10

\+ sign 559.076+/-0.100 χ^2/NDF: 2233894.3/27

All: 562.022+/-0.071 χ^2/NDF: 4404087.8/57

\- 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: -620.301+/-160.966 χ^2/NDF:8.9/11

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

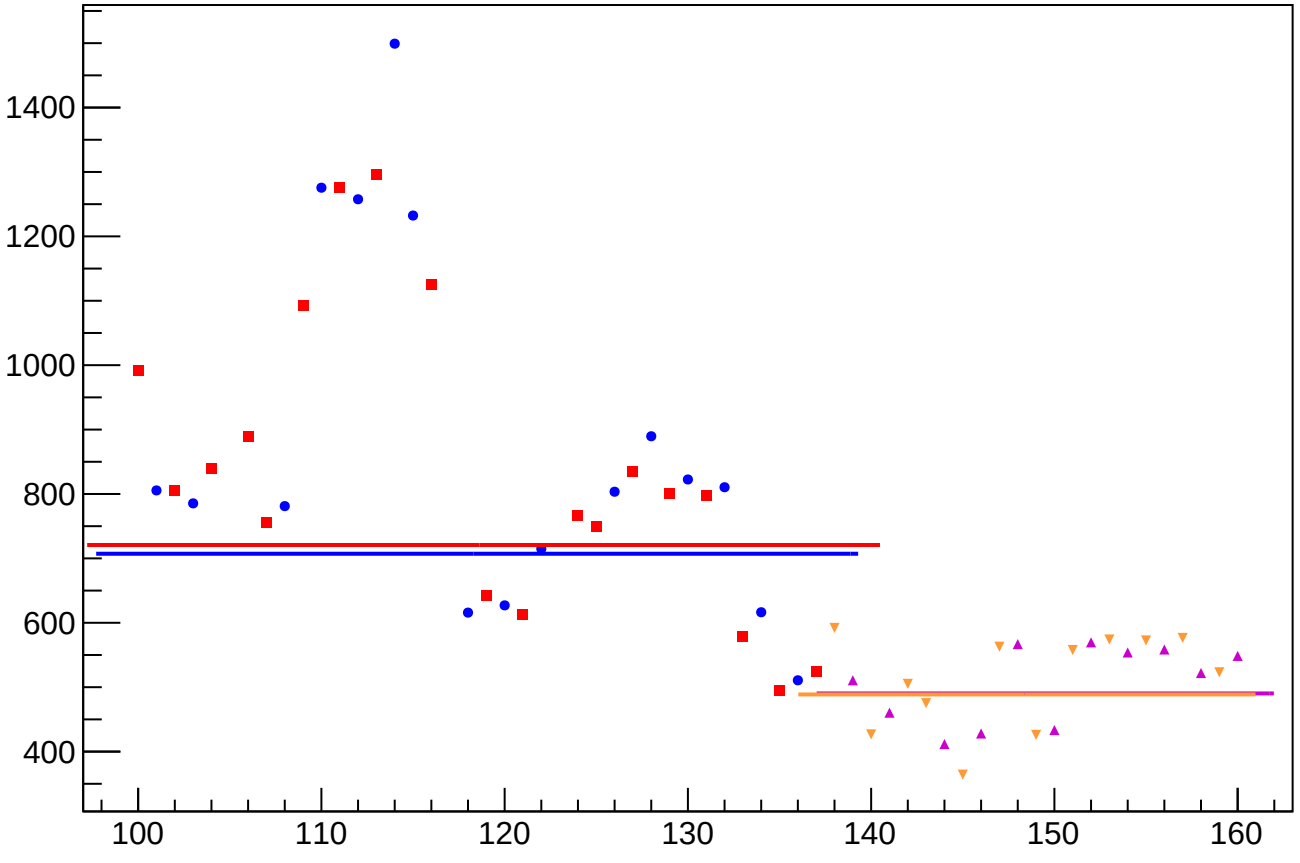
Left In: -245.729+/-160.667 χ^2/NDF:11.0/10

+ sign -385.474+/-138.519 χ^2/NDF: 29.9/27

All: -327.701+/-97.957 χ^2/NDF: 55.4/57

- 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: 488.729+/-0.114 χ^2/NDF:479306.3/11

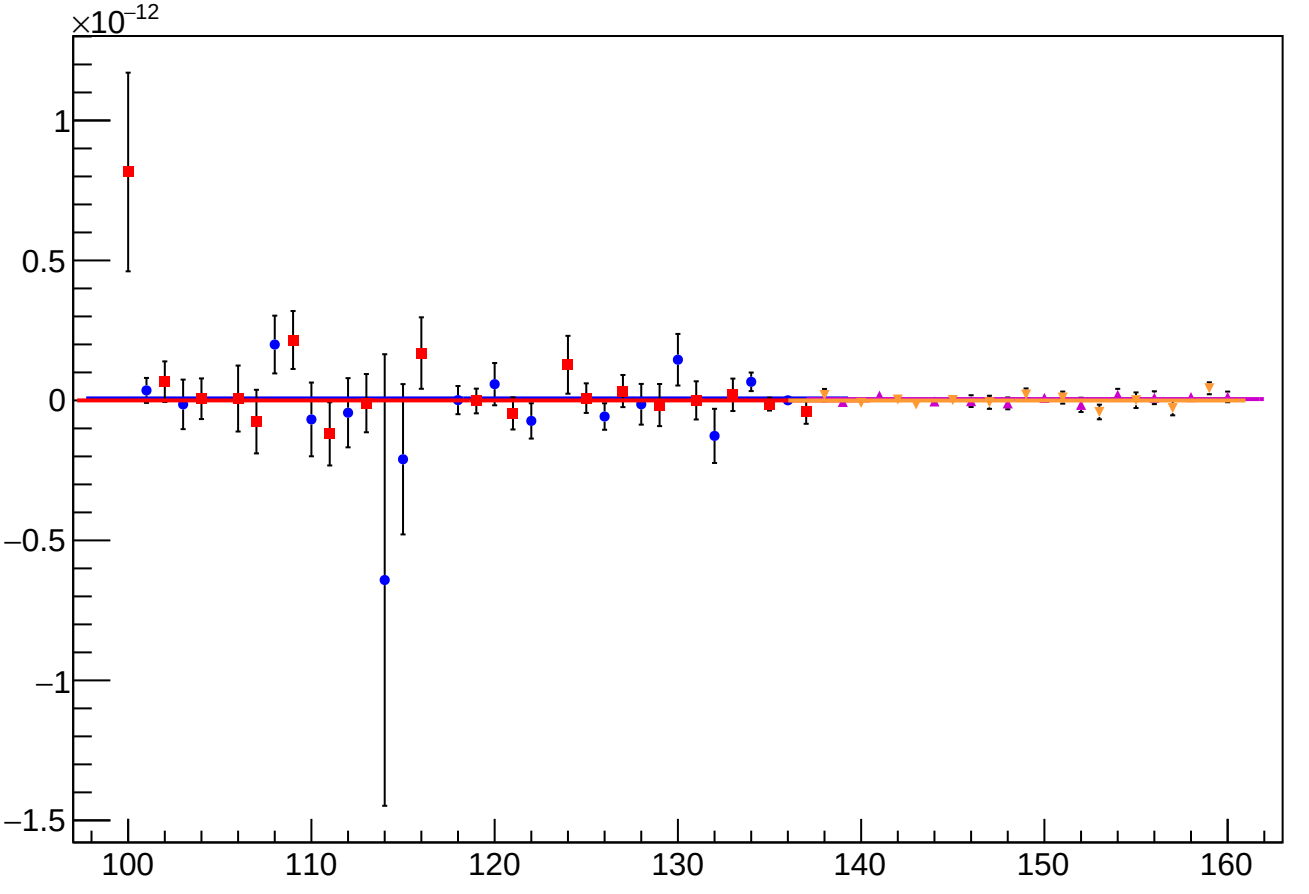
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 490.297+/-0.114 χ^2/NDF:277964.0/10

\+ sign 545.415+/-0.098 χ^2/NDF: 2331972.6/27

All: 547.405+/-0.069 χ^2/NDF: 4681382.2/57

\- 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:11.1/11

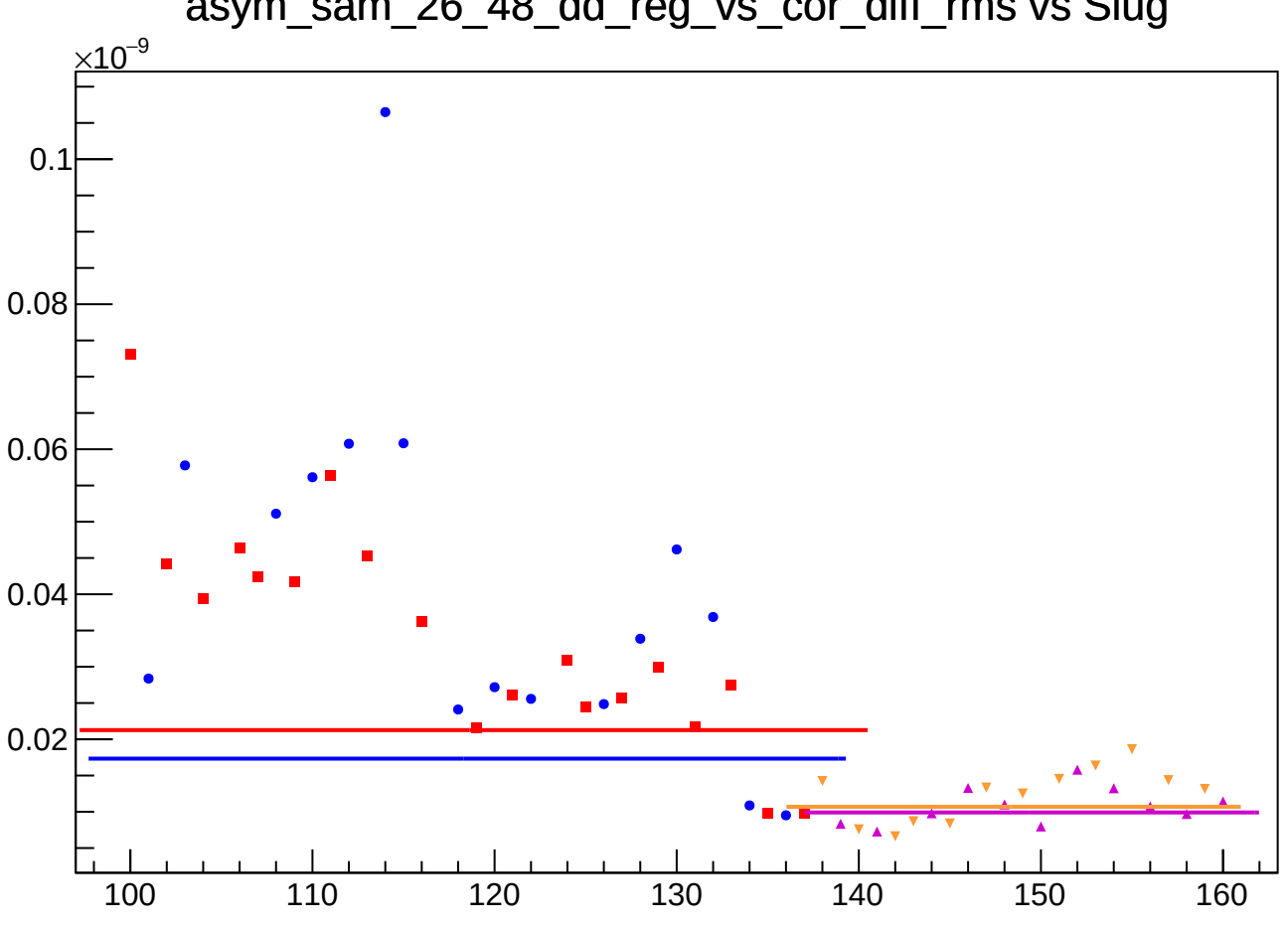
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 28.8/27

All: 0.000+/-0.000 χ^2/NDF: 50.8/57

- 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:799543.7/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

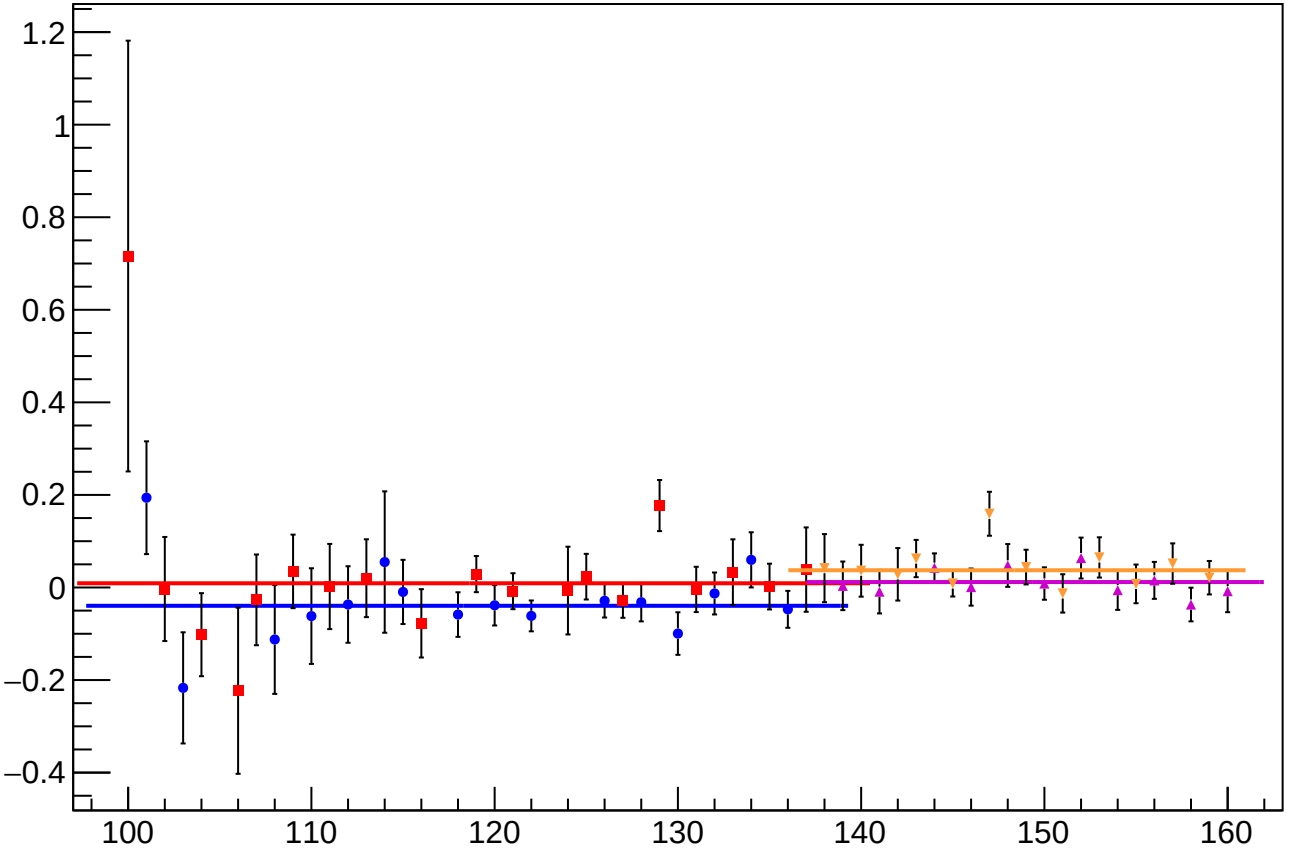
Left In: 0.000+/-0.000 χ^2/NDF:362436.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 3715105.3/27

All: 0.000+/-0.000 χ^2/NDF: 7005661.2/57

- 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: 0.037+/-0.012 χ^2/NDF:10.8/11

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

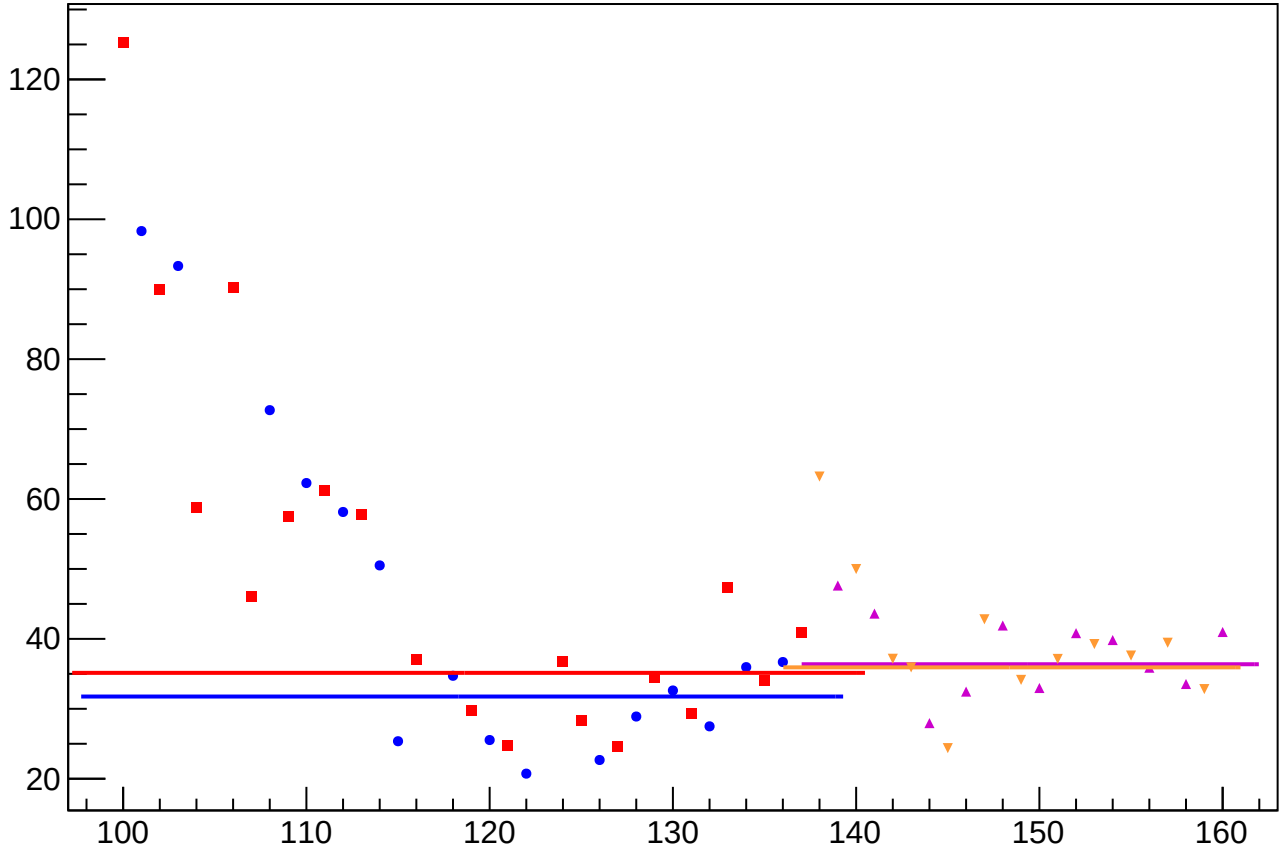
Left In: 0.012+/-0.012 χ^2/NDF:5.4/10

+ sign 0.002+/-0.009 χ^2/NDF: 41.6/27

All: 0.006+/-0.006 χ^2/NDF: 65.8/57

- 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: 35.926+/-0.009 χ^2/NDF:829388.1/11

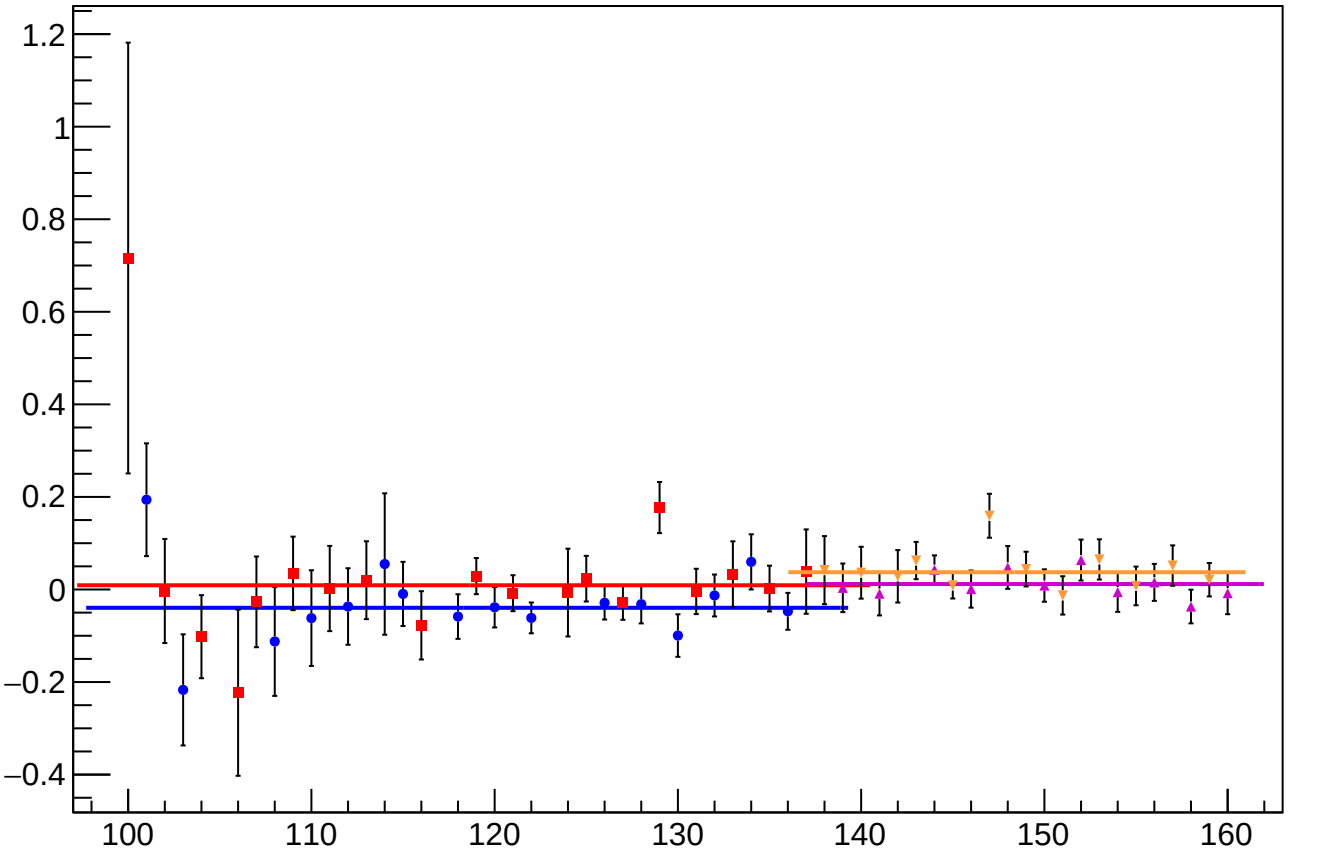
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.372+/-0.009 χ^2/NDF:419032.4/10

+ sign 34.015+/-0.006 χ^2/NDF: 3190561.0/27

All: 34.895+/-0.005 χ^2/NDF: 5503548.6/57

- 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: 0.037+/-0.012 χ^2/NDF:10.8/11

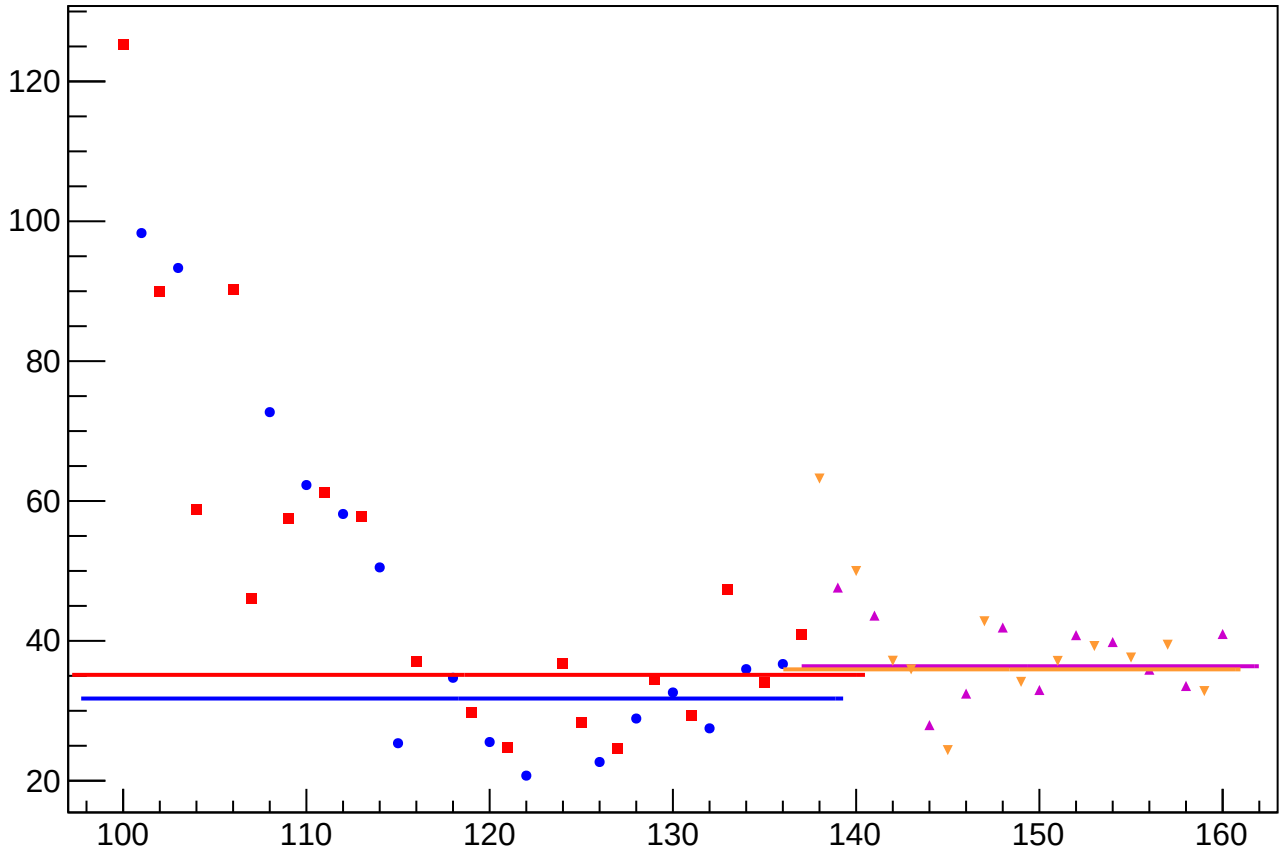
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.012+/-0.012 χ^2/NDF:5.4/10

+ sign 0.002+/-0.009 χ^2/NDF: 41.6/27

All: 0.006+/-0.006 χ^2/NDF: 65.8/57

- 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: 35.926+/-0.009 χ^2/NDF:829388.1/11

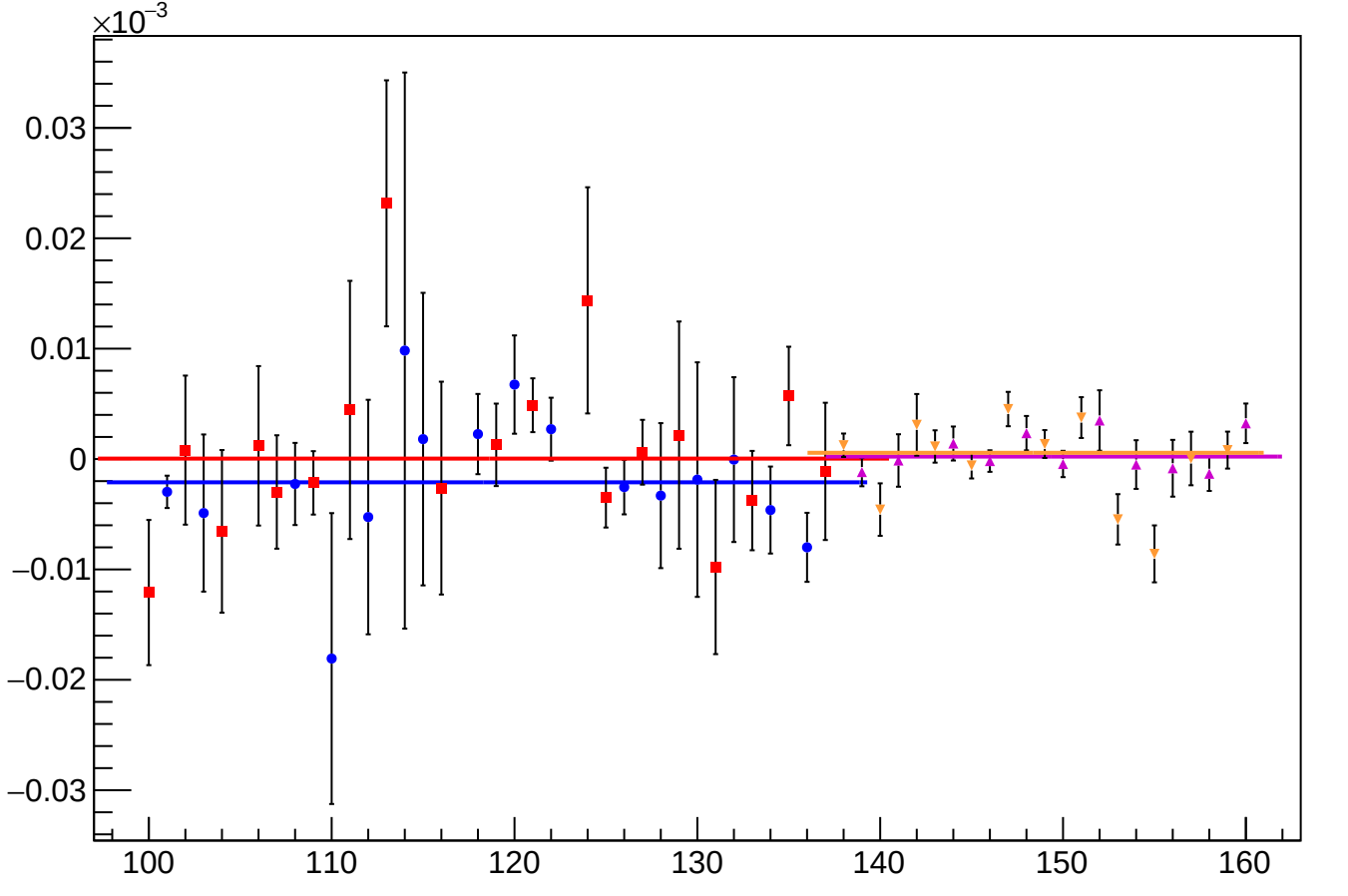
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.372+/-0.009 χ^2/NDF:419032.4/10

\+ sign 34.015+/-0.006 χ^2/NDF: 3190561.0/27

All: 34.895+/-0.005 χ^2/NDF: 5503548.6/57

\- 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:36.5/11

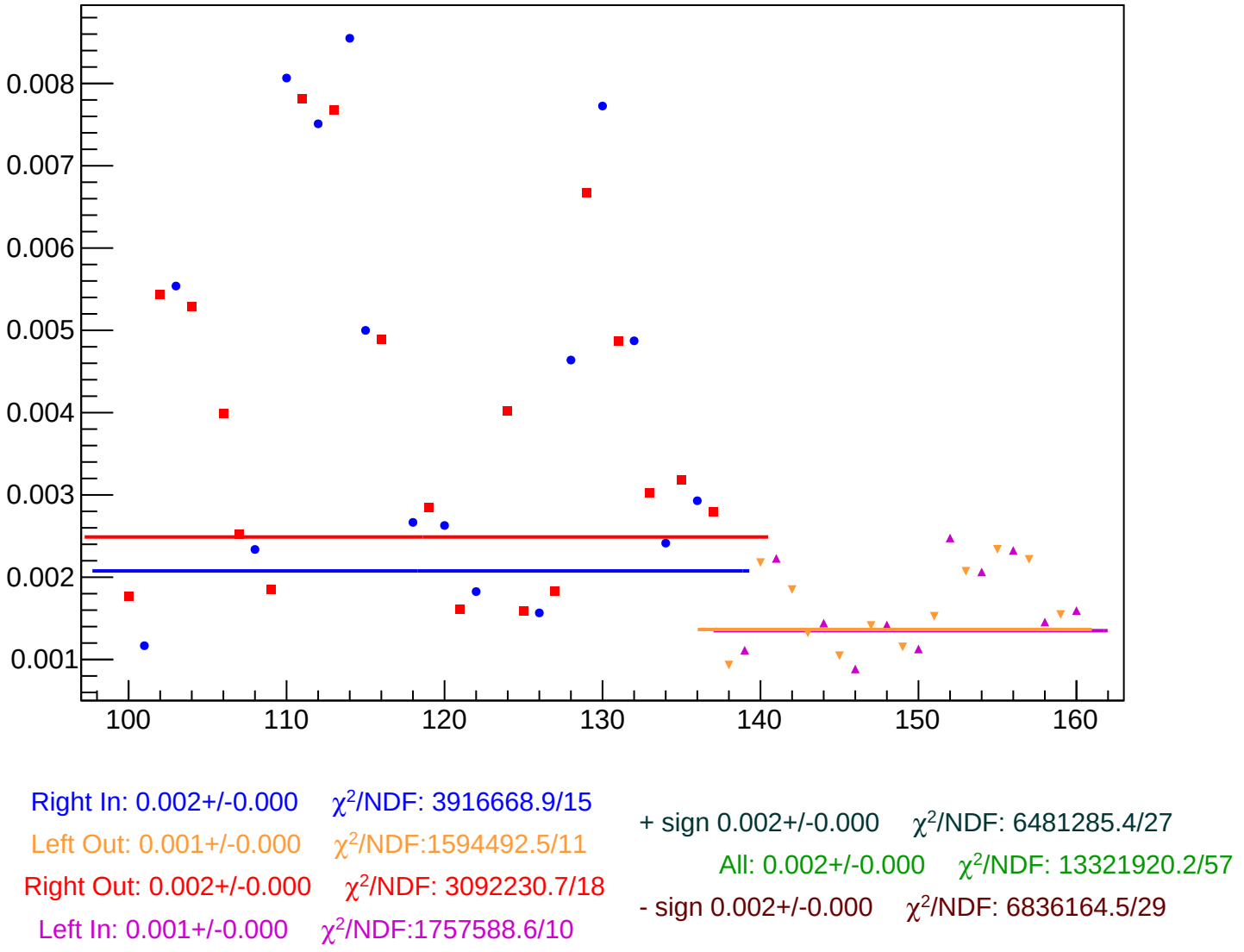
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

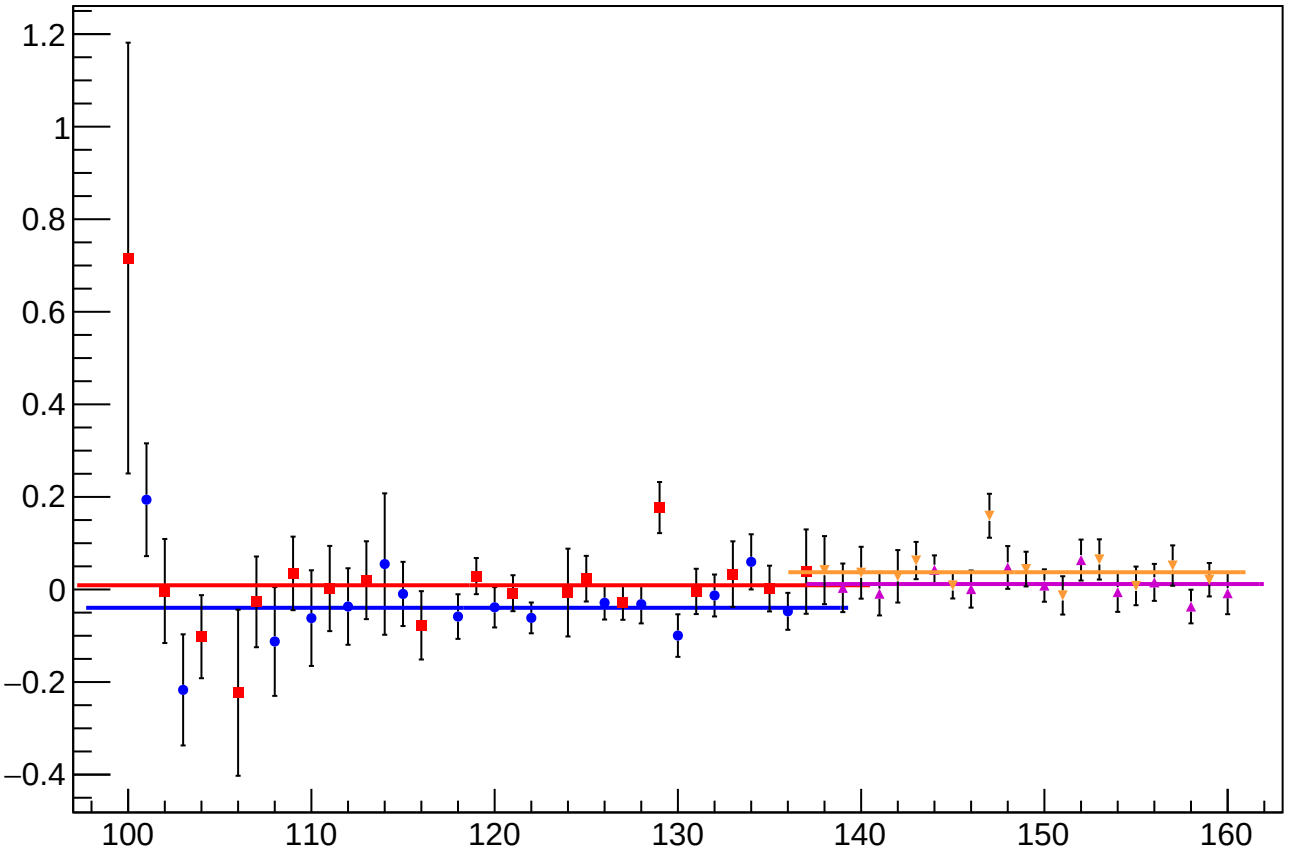
Left In: 0.000+/-0.000 χ^2/NDF:9.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 58.1/27

All: 0.000+/-0.000 χ^2/NDF: 89.3/57

- sign 0.000+/-0.000 χ^2/NDF: 31.1/29


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 3916668.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1594492.5/11
Right Out: 0.002+/-0.000 χ²/NDF: 3092230.7/18
Left In: 0.001+/-0.000 χ²/NDF:1757588.6/10
+ sign 0.002+/-0.000 χ²/NDF: 6481285.4/27
All: 0.002+/-0.000 χ²/NDF: 13321920.2/57
- sign 0.002+/-0.000 χ²/NDF: 6836164.5/29



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.037+/-0.012 χ^2/NDF:10.8/11

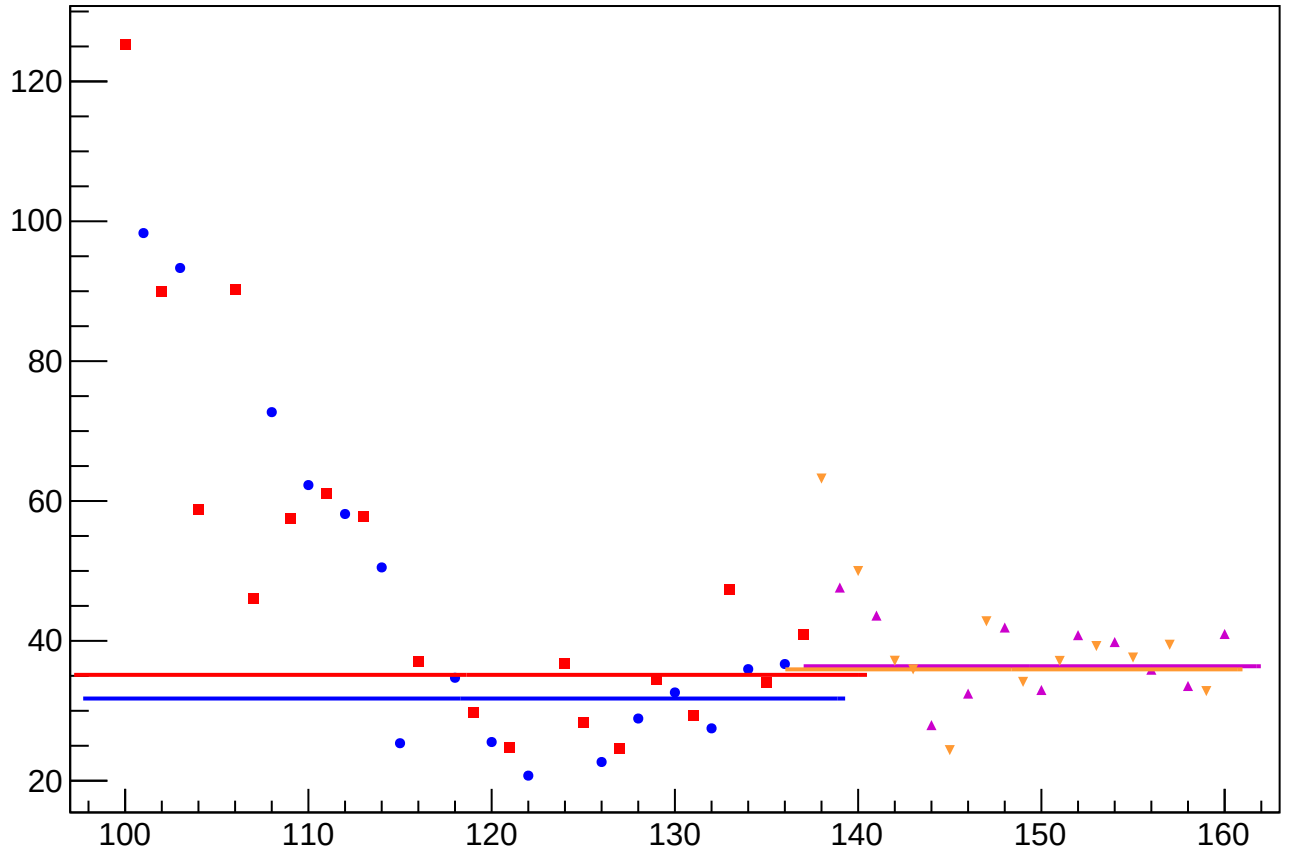
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.012+/-0.012 χ^2/NDF:5.4/10

+ sign 0.002+/-0.009 χ^2/NDF: 41.6/27

All: 0.006+/-0.006 χ^2/NDF: 65.8/57

- 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: 35.926+/-0.009 χ^2/NDF:829416.5/11

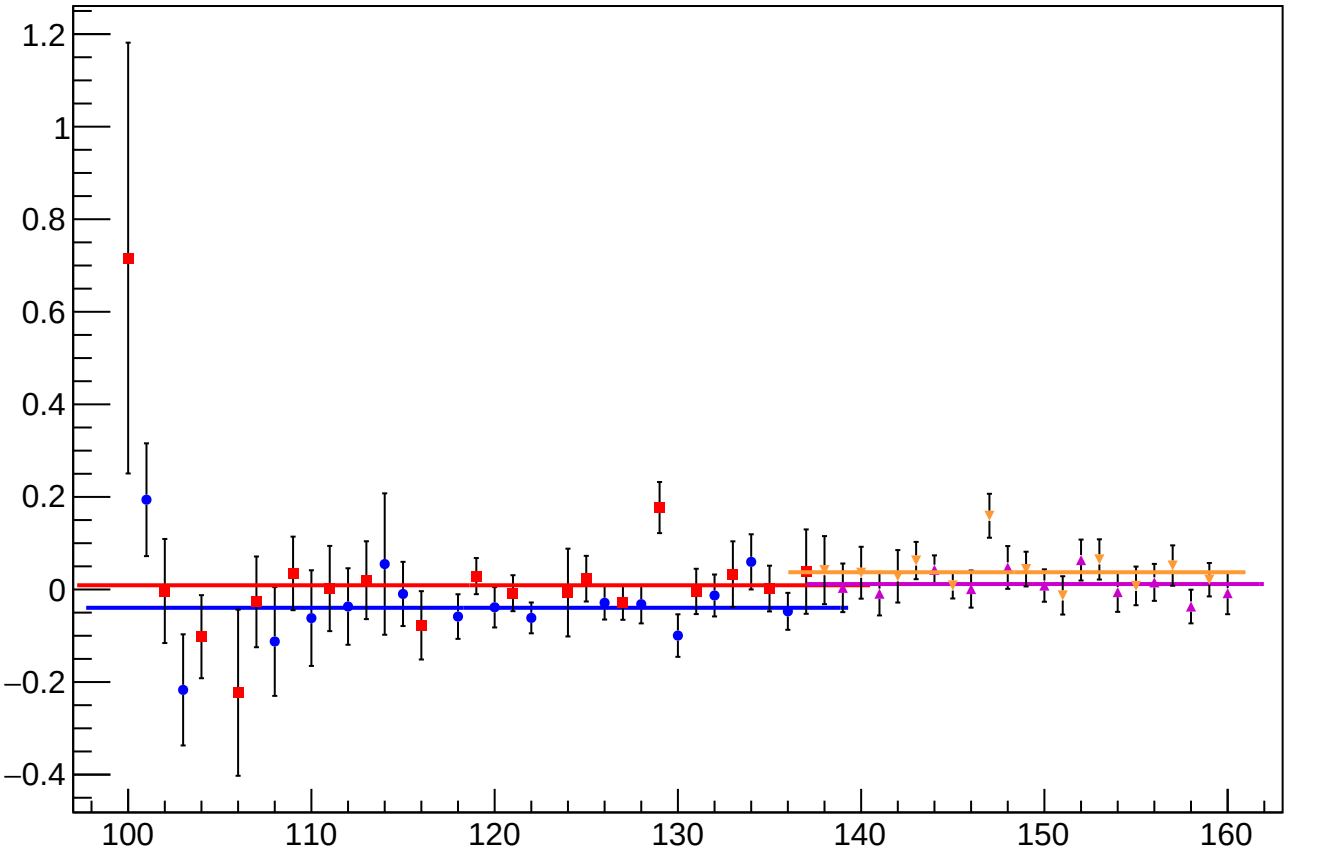
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.372+/-0.009 χ^2/NDF:419033.6/10

\+ sign 34.015+/-0.006 χ^2/NDF: 3190548.3/27

All: 34.895+/-0.005 χ^2/NDF: 5503431.7/57

\- 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: 0.037+/-0.012 χ^2/NDF:10.8/11

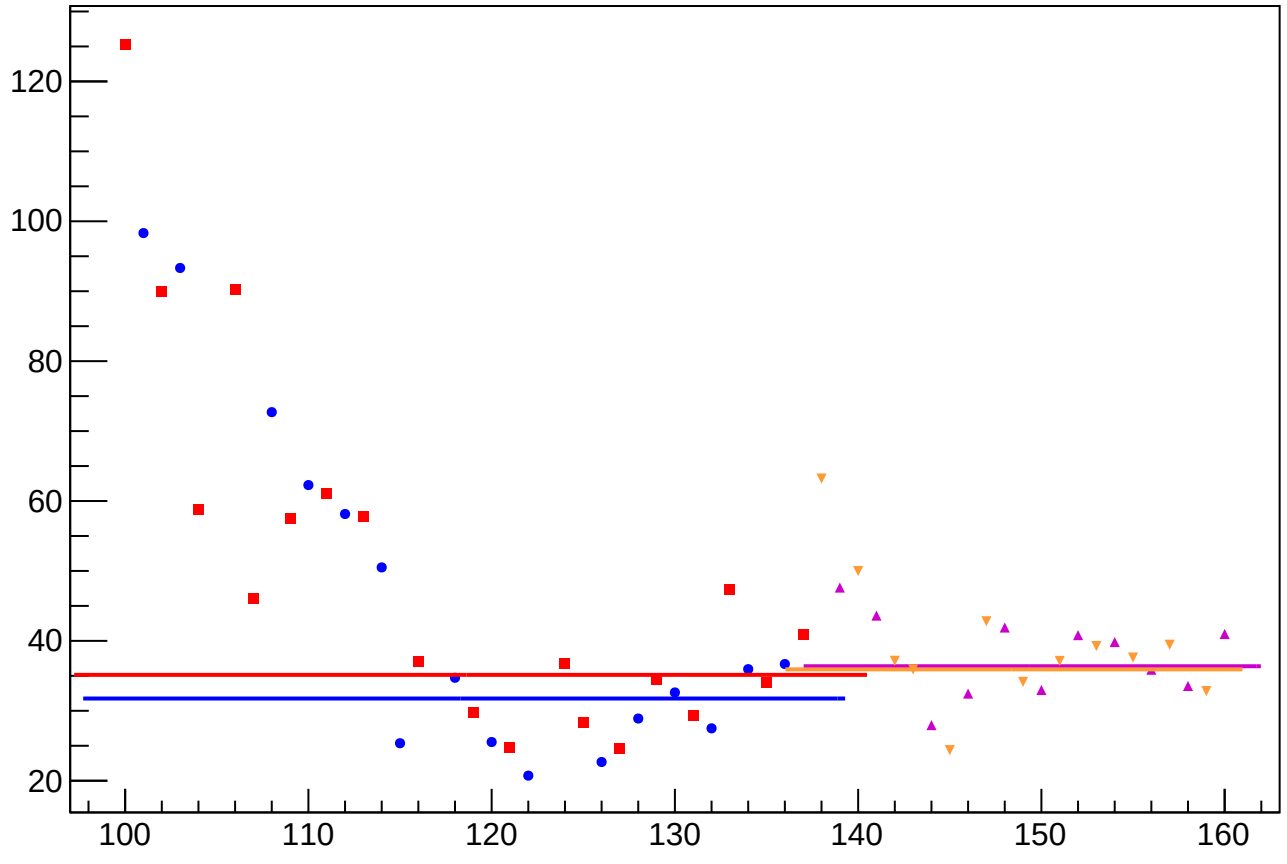
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.012+/-0.012 χ^2/NDF:5.4/10

+ sign 0.002+/-0.009 χ^2/NDF: 41.6/27

All: 0.006+/-0.006 χ^2/NDF: 65.8/57

- 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: 35.926+/-0.009 χ^2/NDF:829416.5/11

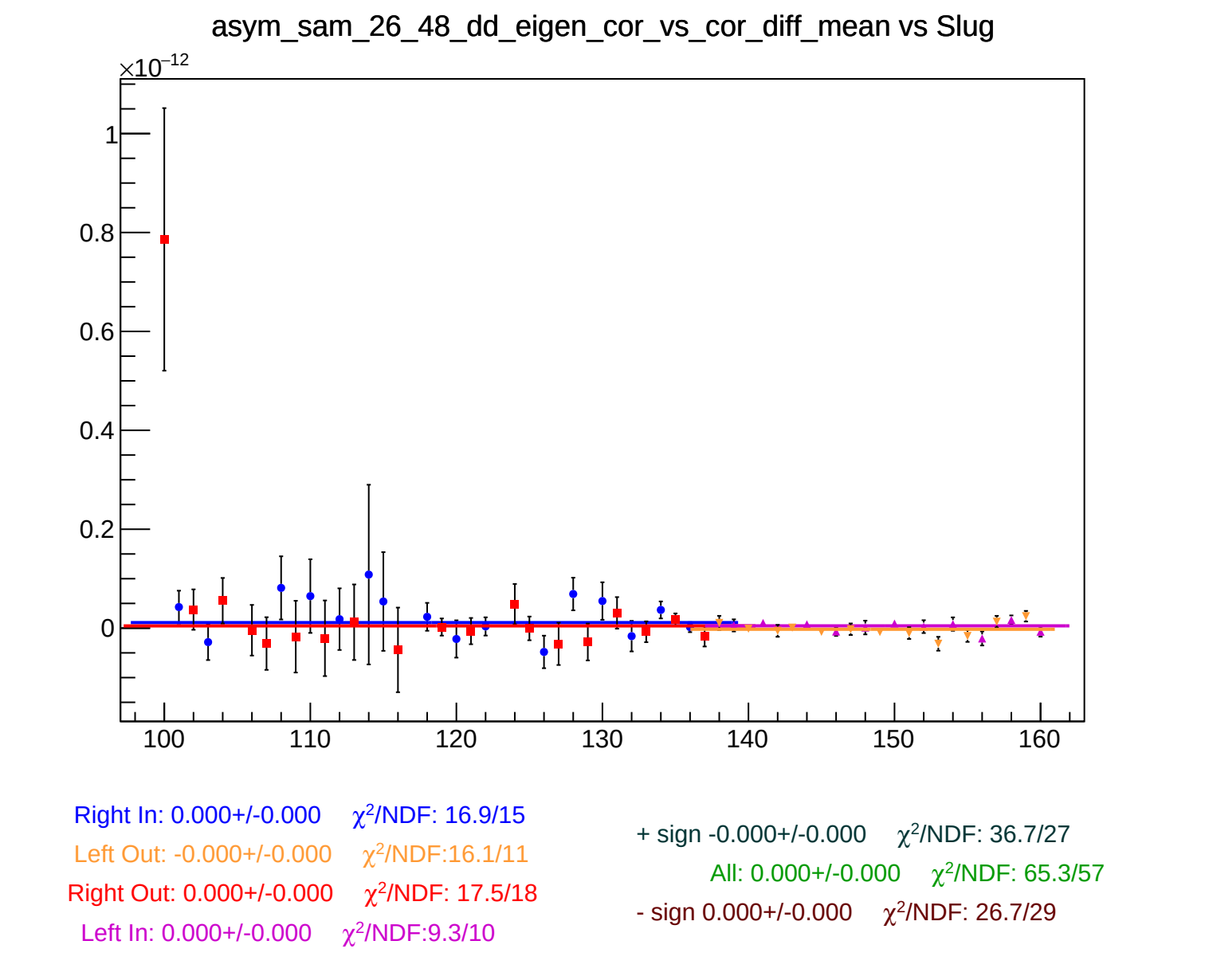
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

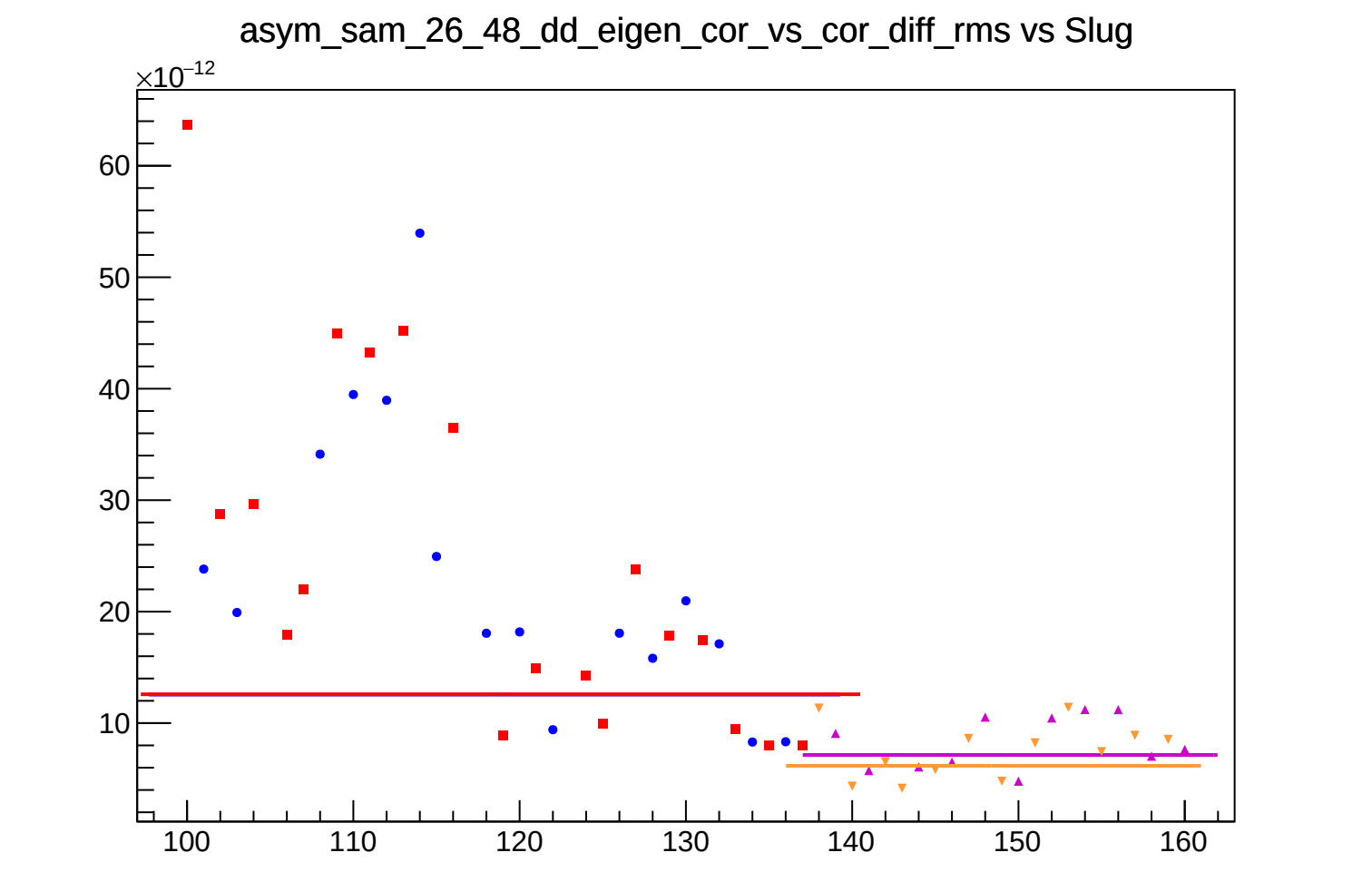
Left In: 36.372+/-0.009 χ^2/NDF:419033.6/10

+ sign 34.015+/-0.006 χ^2/NDF: 3190548.3/27

All: 34.895+/-0.005 χ^2/NDF: 5503431.7/57

- 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:16.1/11
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: 36.7/27
All: 0.000+/-0.000 χ²/NDF: 65.3/57
- sign 0.000+/-0.000 χ²/NDF: 26.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1389415.2/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

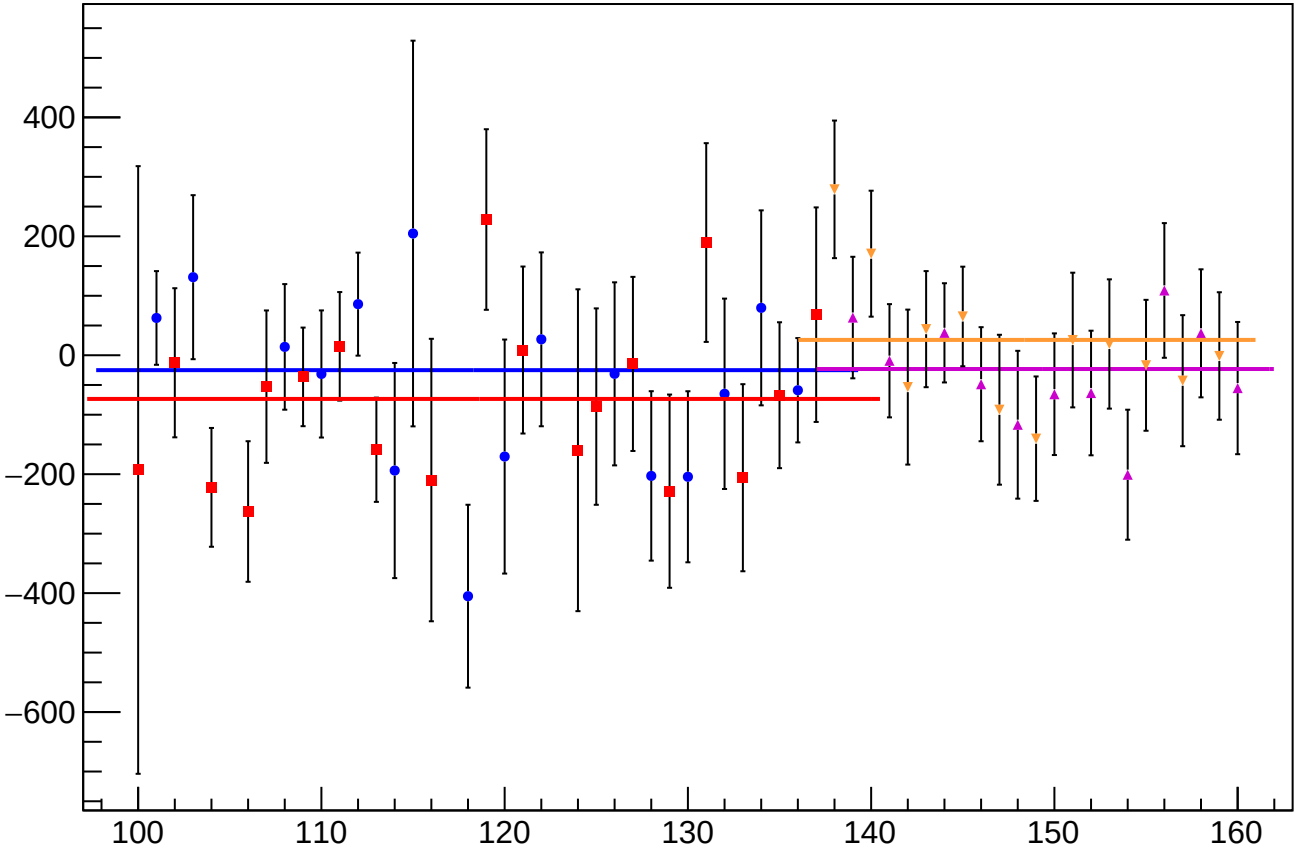
Left In: 0.000+/-0.000 χ^2/NDF:975865.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 5237884.6/27

All: 0.000+/-0.000 χ^2/NDF: 10218553.2/57

- sign 0.000+/-0.000 χ^2/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: 25.794+/-31.020 χ^2/NDF:11.3/11

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

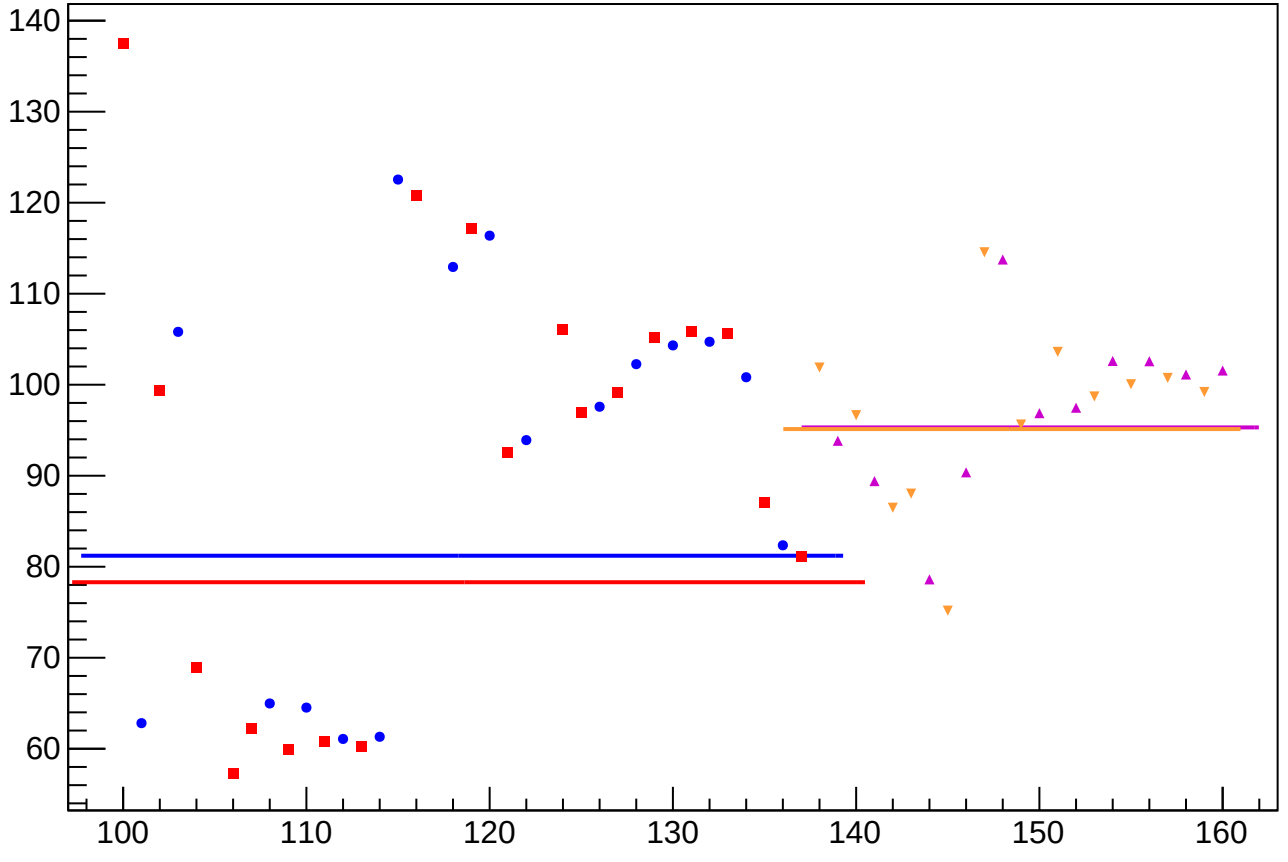
Left In: -23.146+/-31.026 χ^2/NDF:6.6/10

+ sign 0.532+/-22.008 χ^2/NDF: 28.8/27

All: -24.867+/-15.395 χ^2/NDF: 56.2/57

- 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: 95.127+/-0.022 χ^2/NDF:213213.4/11

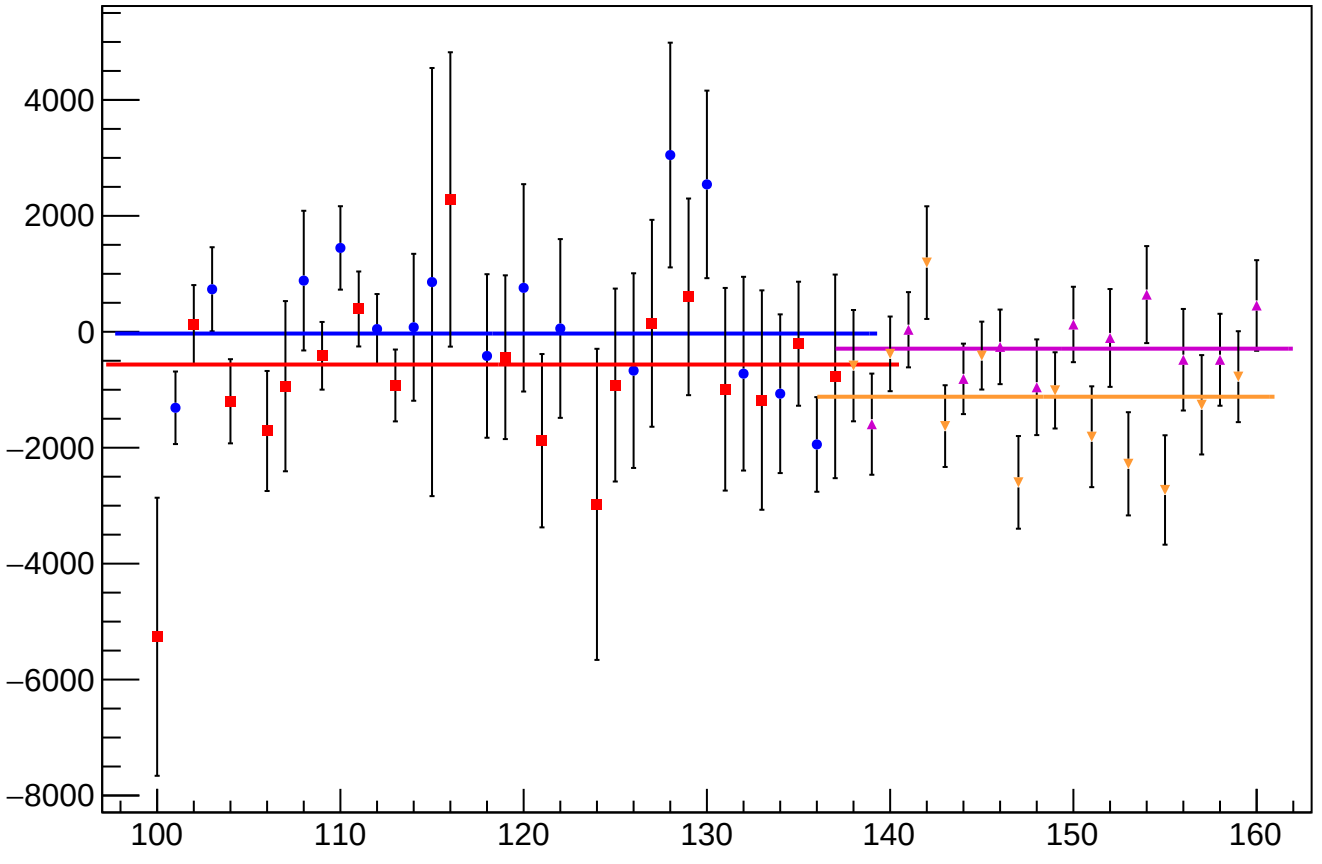
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 95.308+/-0.022 χ^2/NDF:168247.0/10

+ sign 88.215+/-0.016 χ^2/NDF: 1200820.2/27

All: 87.338+/-0.011 χ^2/NDF: 2621282.7/57

- sign 86.498+/-0.015 χ^2/NDF: 1414248.9/29



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -1120.422+/-223.317 χ^2/NDF:18.2/11

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

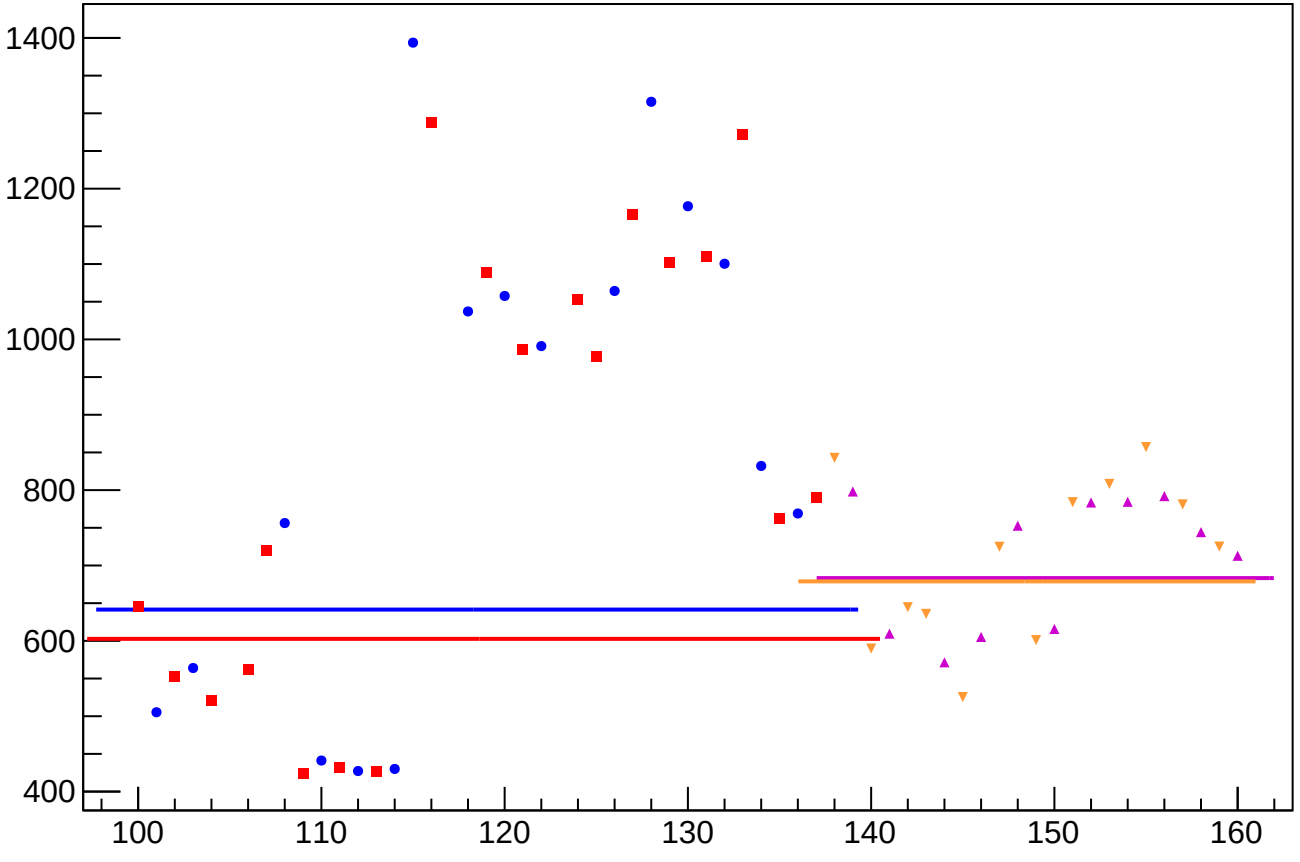
Left In: -291.357+/-223.605 χ^2/NDF:6.6/10

\+ sign -651.478+/-168.568 χ^2/NDF: 50.3/27

All: -531.588+/-117.223 χ^2/NDF: 71.9/57

\- 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: 678.922+/-0.158 χ^2/NDF:456699.4/11

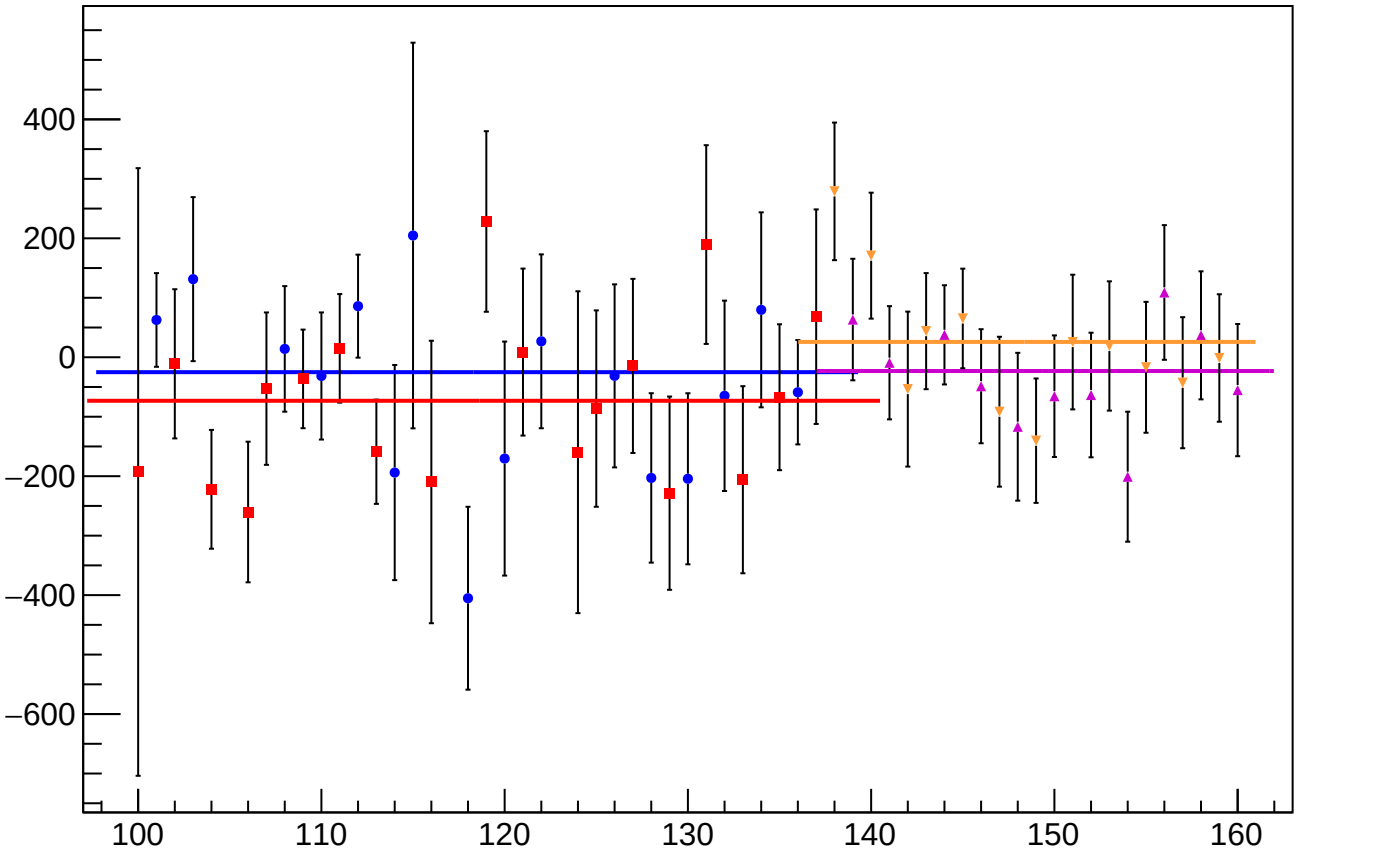
Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 683.271+/-0.158 χ^2/NDF:296294.7/10

+ sign 662.822+/-0.119 χ^2/NDF: 2355853.4/27

All: 653.906+/-0.083 χ^2/NDF: 4854909.7/57

- sign 645.557+/-0.115 χ^2/NDF: 2488222.4/29



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 25.794+/-31.020 χ^2/NDF:11.3/11

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

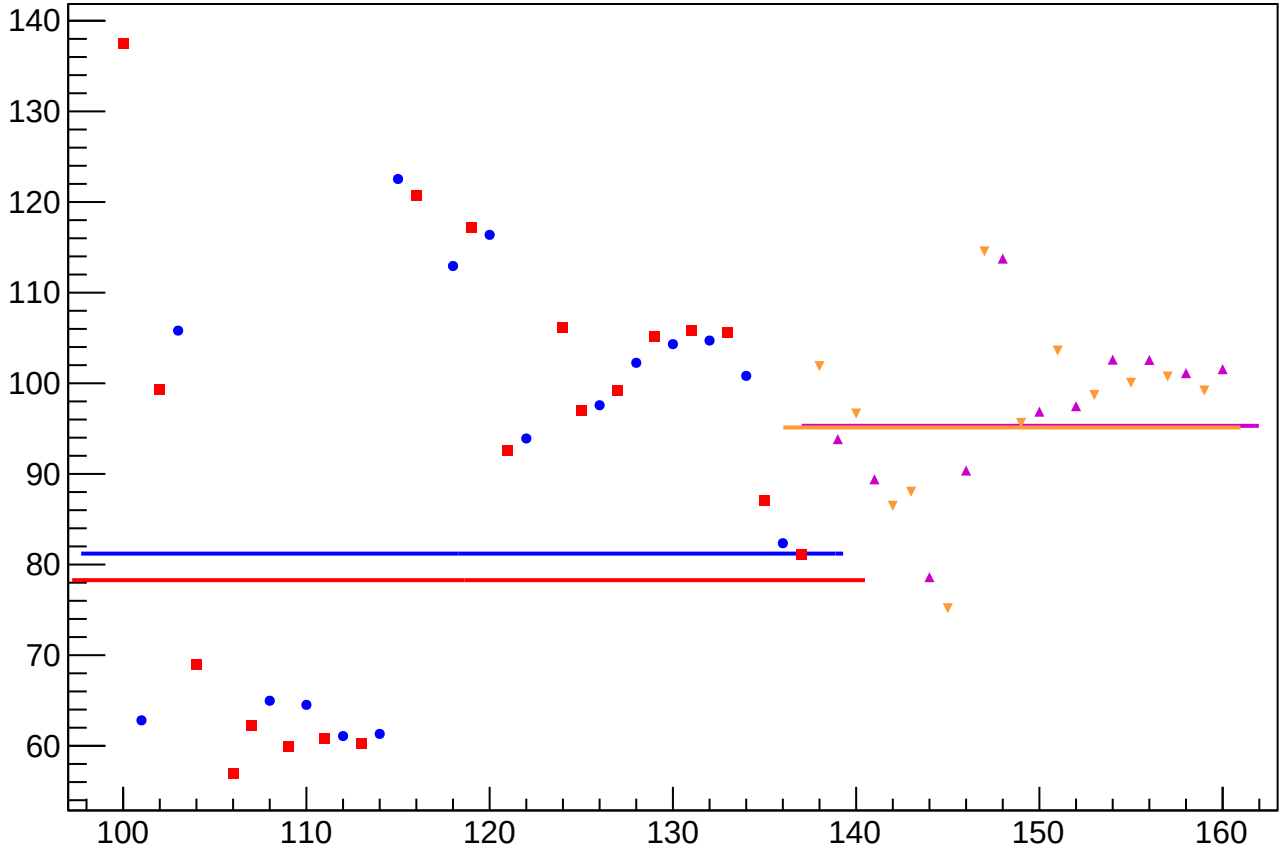
Left In: -23.149+/-31.026 χ^2/NDF:6.6/10

+ sign 0.531+/-22.008 χ^2/NDF: 28.8/27

All: -24.797+/-15.395 χ^2/NDF: 56.1/57

- 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: 95.127+/-0.022 χ^2/NDF:213213.4/11

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

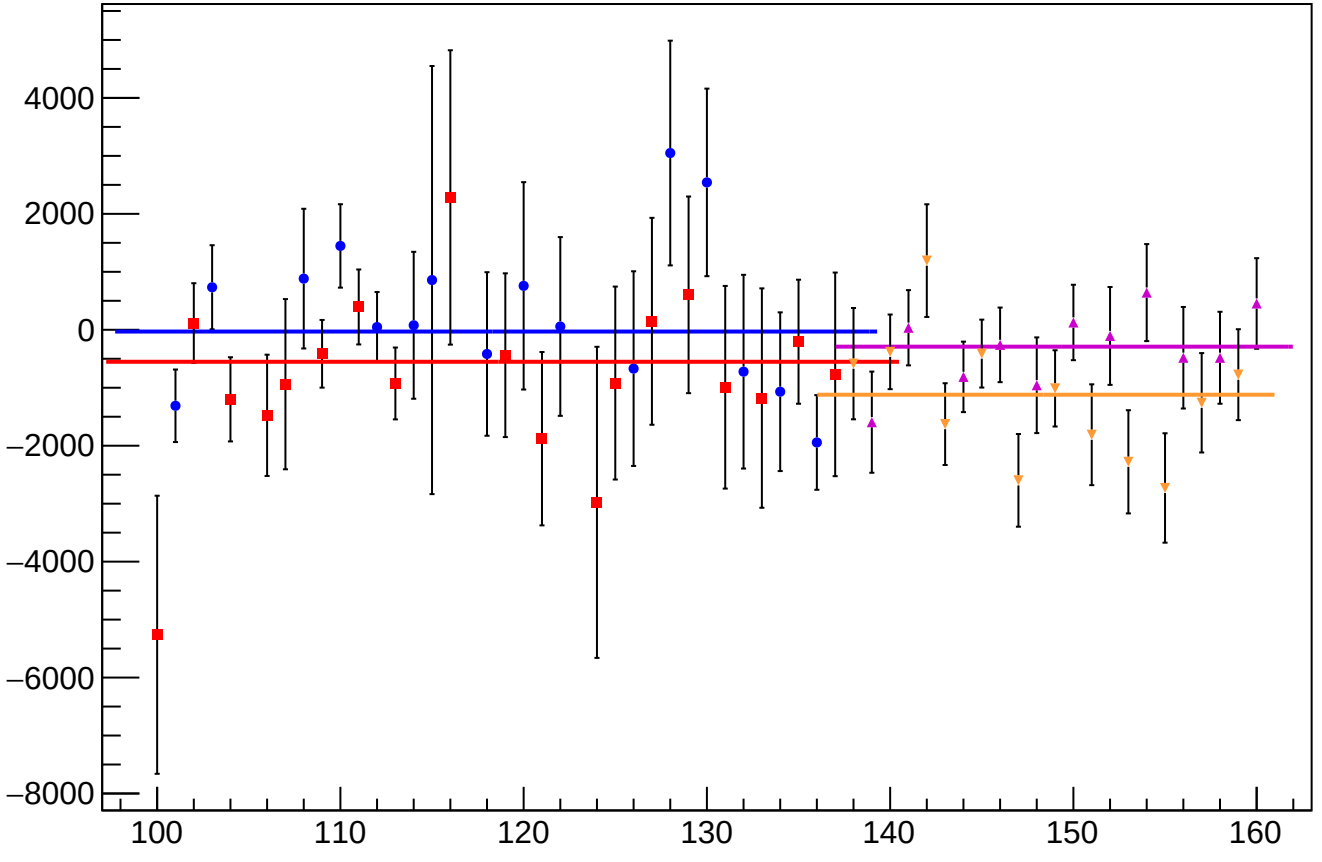
Left In: 95.308+/-0.022 χ^2/NDF:168247.0/10

+ sign 88.215+/-0.016 χ^2/NDF: 1200822.0/27

All: 87.334+/-0.011 χ^2/NDF: 2624153.5/57

- sign 86.489+/-0.015 χ^2/NDF: 1417051.7/29

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1120.420+/-223.317 χ^2/NDF:18.2/11

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

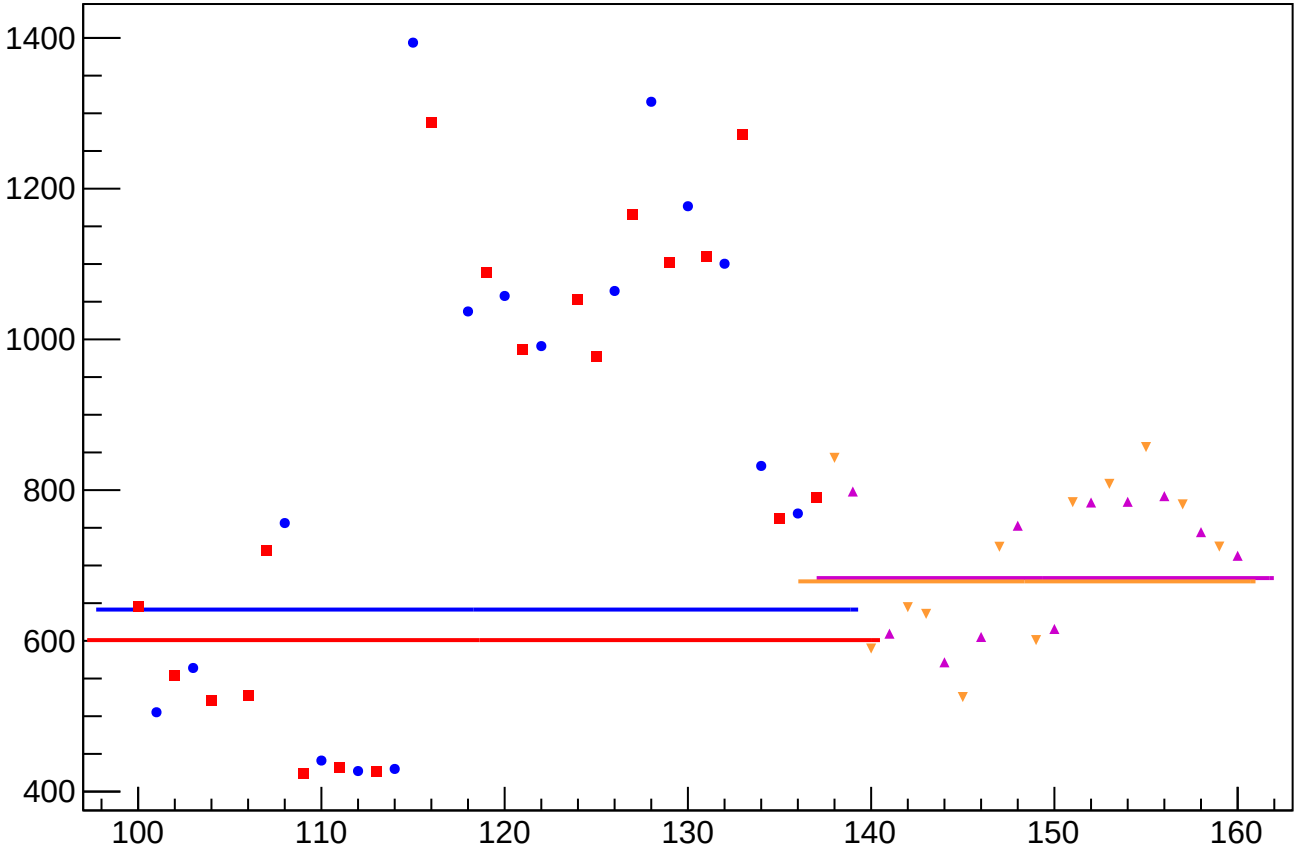
Left In: -291.364+/-223.605 χ^2/NDF:6.6/10

+ sign -651.495+/-168.569 χ^2/NDF: 50.3/27

All: -528.464+/-117.241 χ^2/NDF: 71.4/57

- 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: 678.922+/-0.158 χ^2/NDF:456701.3/11

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

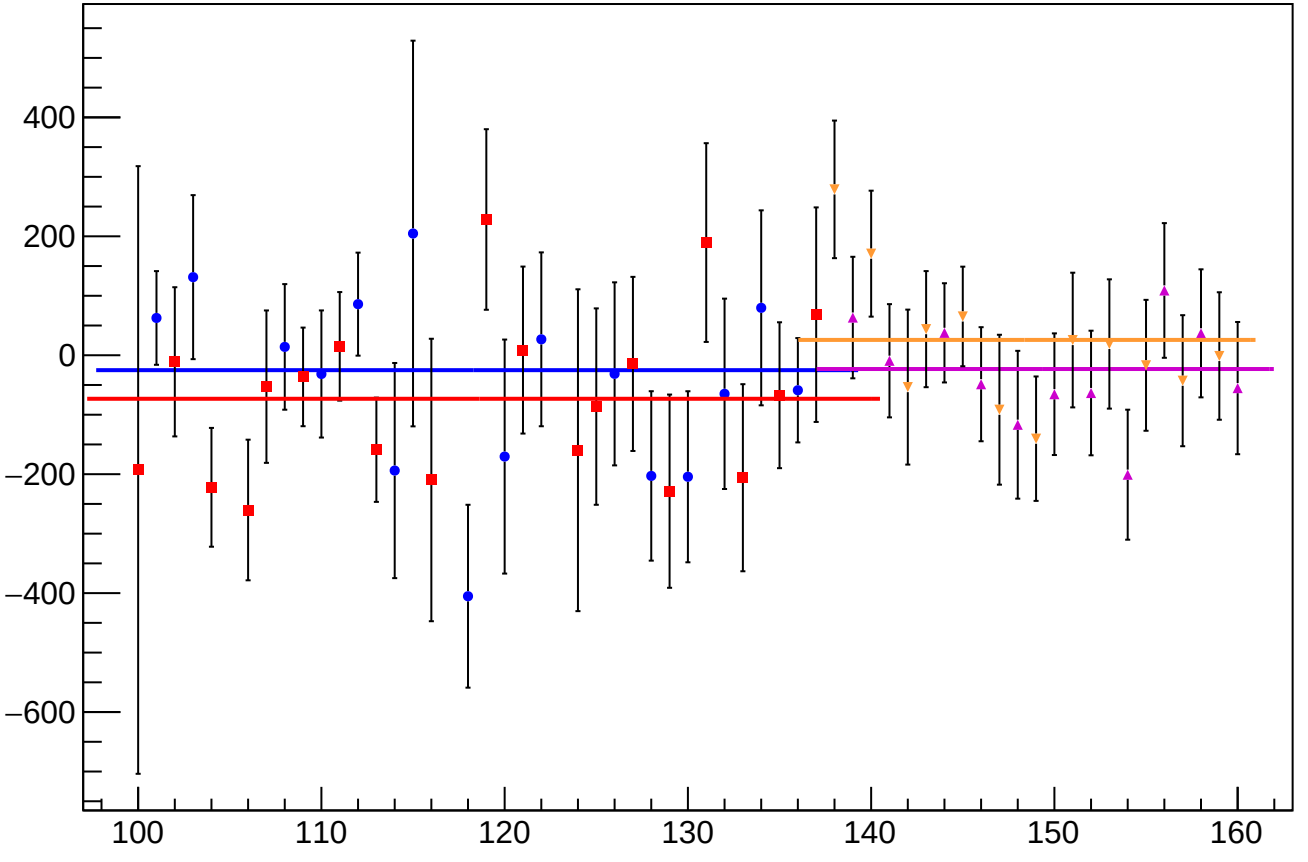
Left In: 683.271+/-0.158 χ^2/NDF:296292.3/10

+ sign 662.826+/-0.119 χ^2/NDF: 2355802.6/27

All: 653.518+/-0.083 χ^2/NDF: 4867790.2/57

- sign 644.797+/-0.115 χ^2/NDF: 2500177.3/29

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 25.794+/-31.020 χ^2/NDF:11.3/11

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

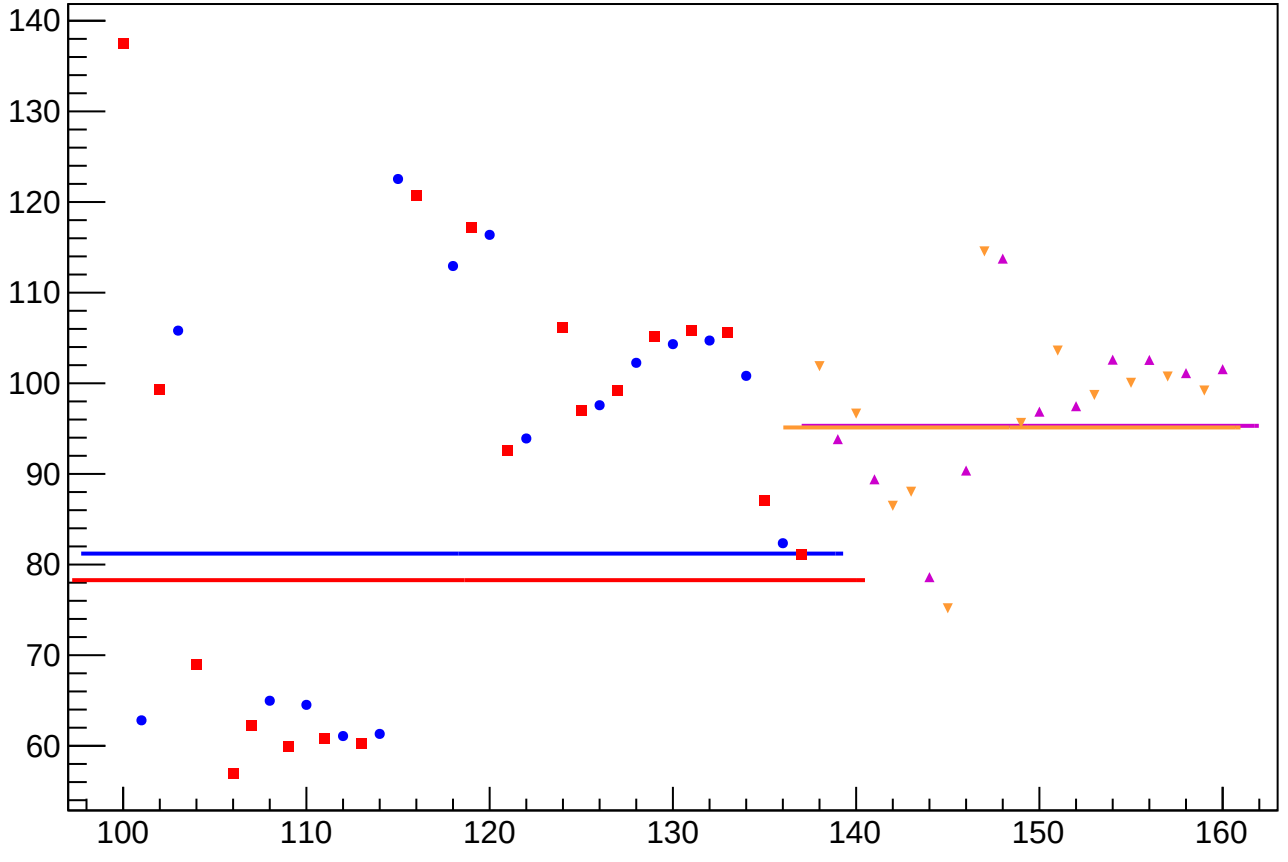
Left In: -23.149+/-31.026 χ^2/NDF:6.6/10

+ sign 0.531+/-22.008 χ^2/NDF: 28.8/27

All: -24.797+/-15.395 χ^2/NDF: 56.1/57

- 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: 95.127+/-0.022 χ^2/NDF:213213.4/11

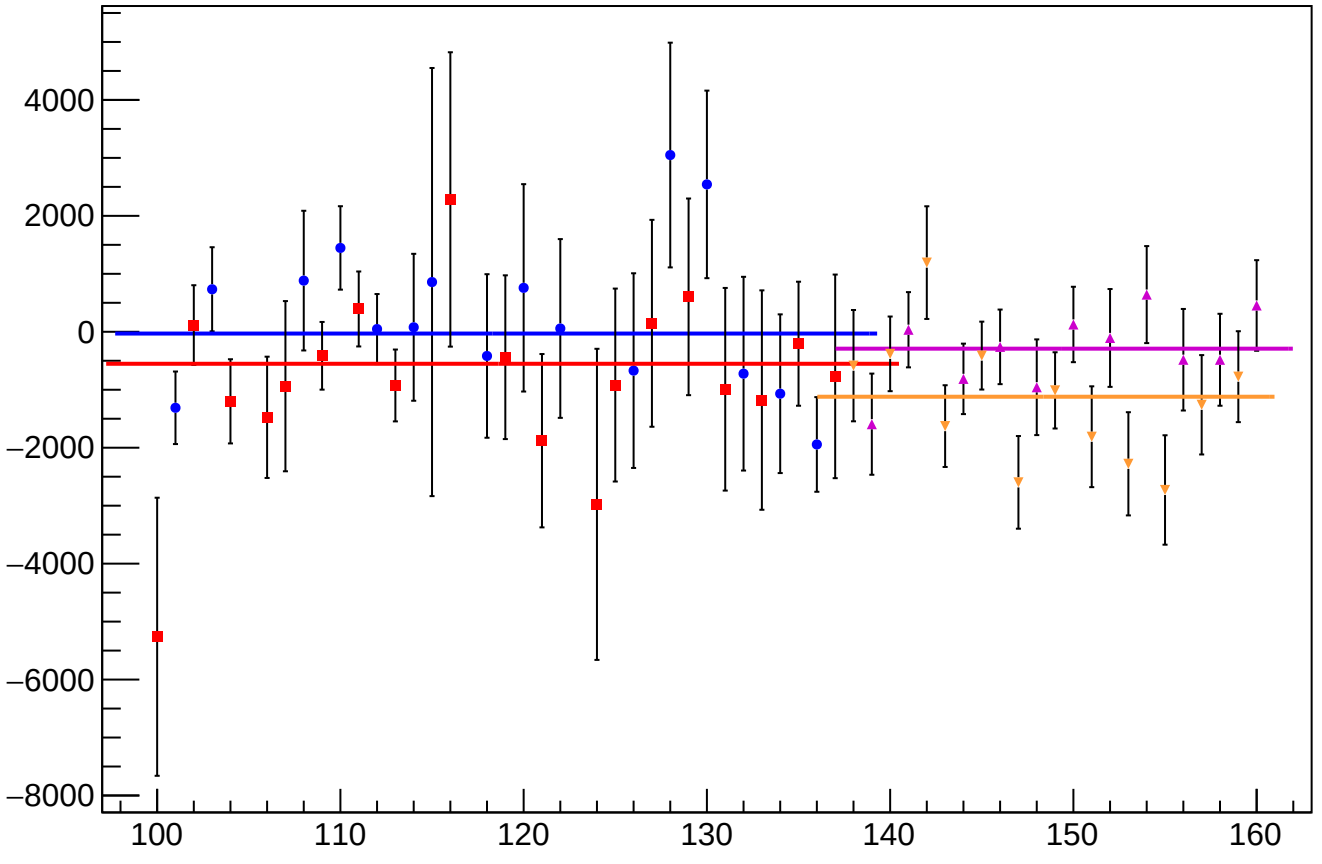
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 95.308+/-0.022 χ^2/NDF:168247.0/10

+ sign 88.215+/-0.016 χ^2/NDF: 1200822.0/27

All: 87.334+/-0.011 χ^2/NDF: 2624153.5/57

- 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: -1120.420+/-223.317 χ^2/NDF:18.2/11

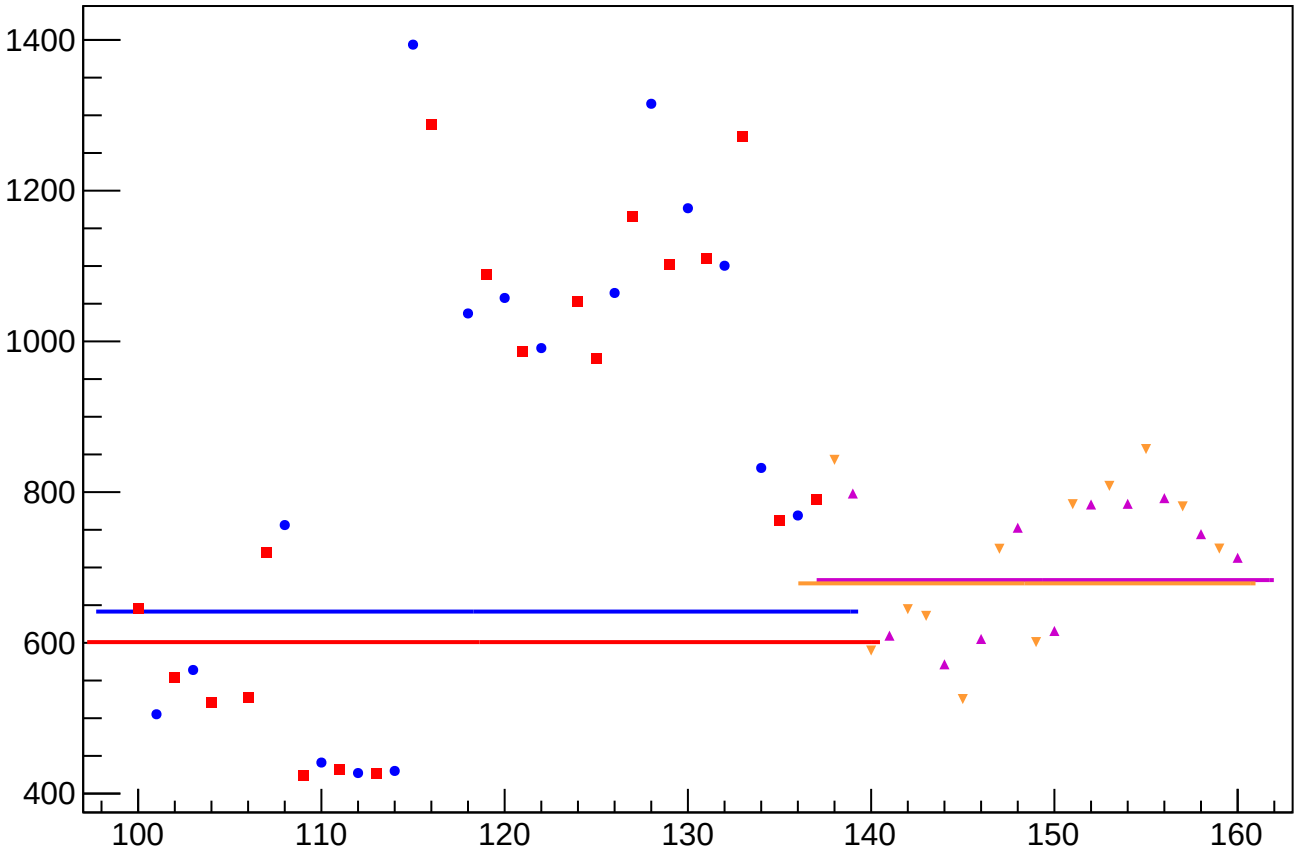
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -291.364+/-223.605 χ^2/NDF:6.6/10

+ sign -651.495+/-168.569 χ^2/NDF: 50.3/27

All: -528.464+/-117.241 χ^2/NDF: 71.4/57

- 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: 678.922+/-0.158 χ^2/NDF:456701.3/11

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

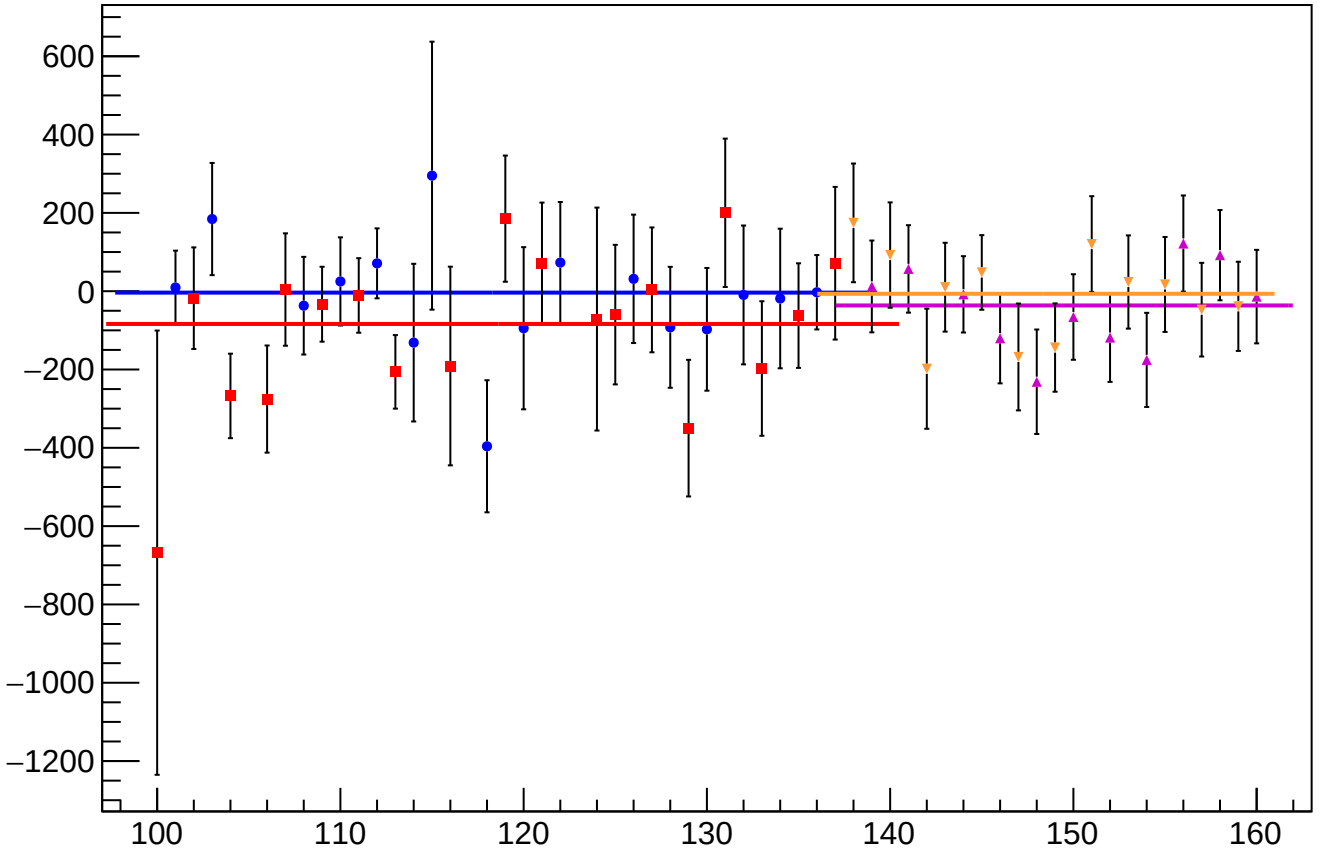
Left In: 683.271+/-0.158 χ^2/NDF:296292.3/10

+ sign 662.826+/-0.119 χ^2/NDF: 2355802.6/27

All: 653.518+/-0.083 χ^2/NDF: 4867790.2/57

- 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: -6.628+/-35.051 χ^2/NDF:8.1/11

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

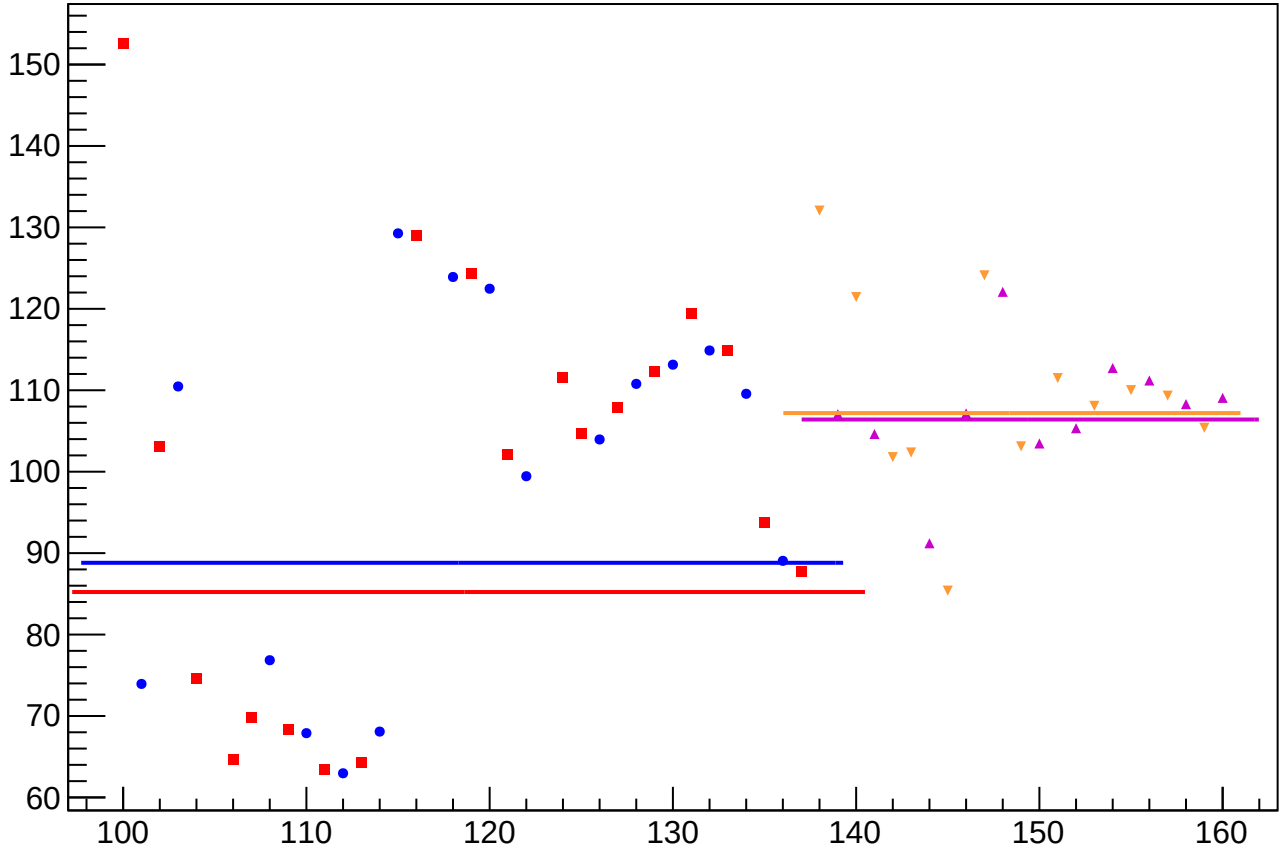
Left In: -36.408+/-34.663 χ^2/NDF:8.5/10

+ sign -5.092+/-24.461 χ^2/NDF: 18.5/27

All: -34.099+/-17.043 χ^2/NDF: 49.7/57

- 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: 107.200+/-0.025 χ^2/NDF:225206.0/11

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

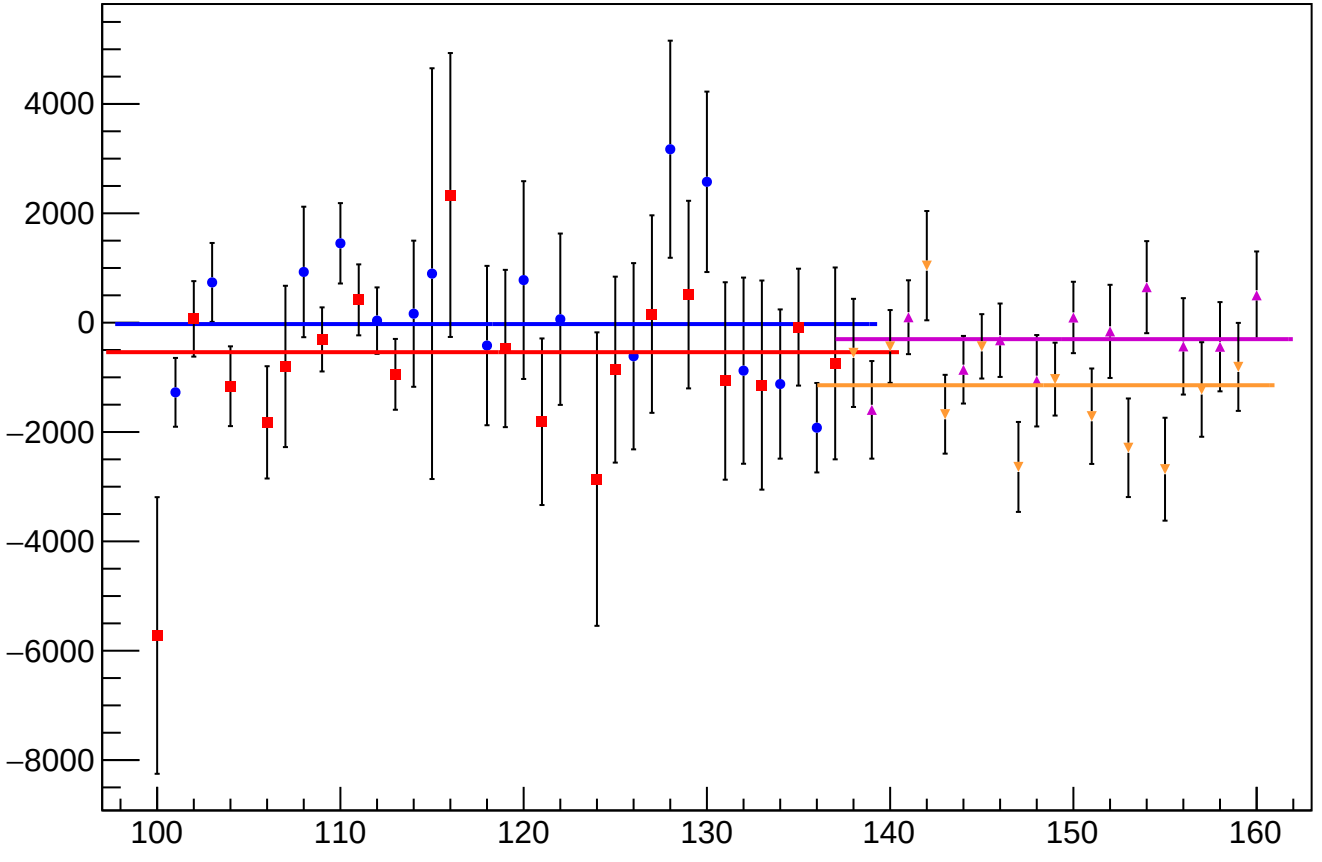
Left In: 106.408+/-0.025 χ^2/NDF:88637.0/10

+ sign 97.768+/-0.017 χ^2/NDF: 1232121.0/27

All: 96.435+/-0.012 χ^2/NDF: 2612343.3/57

- 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: -1144.434+/-227.208 χ^2/NDF:16.5/11

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

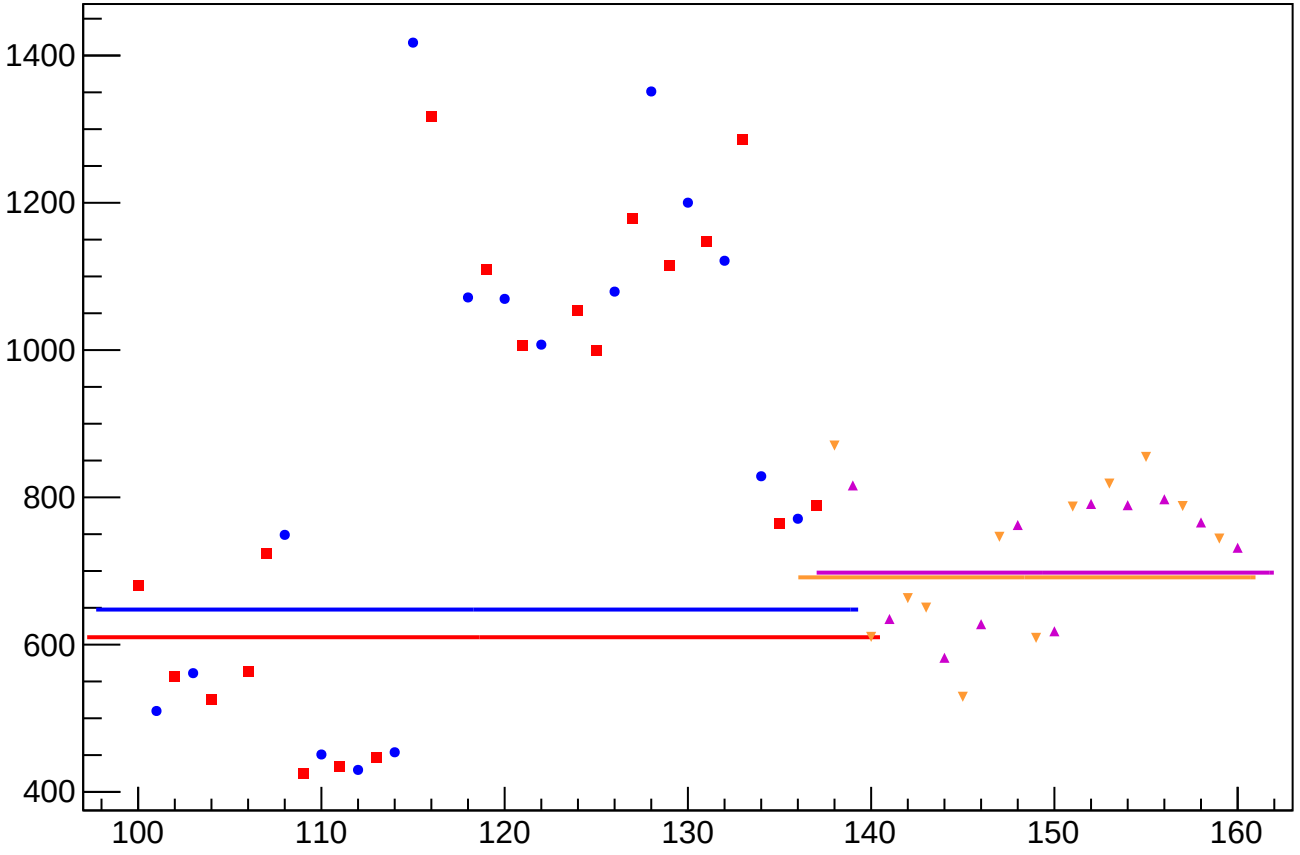
Left In: -301.537+/-228.280 χ^2/NDF:6.8/10

+ sign -658.790+/-170.916 χ^2/NDF: 48.6/27

All: -532.695+/-119.009 χ^2/NDF: 70.6/57

- 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: 691.370+/-0.161 χ^2/NDF:452350.7/11

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

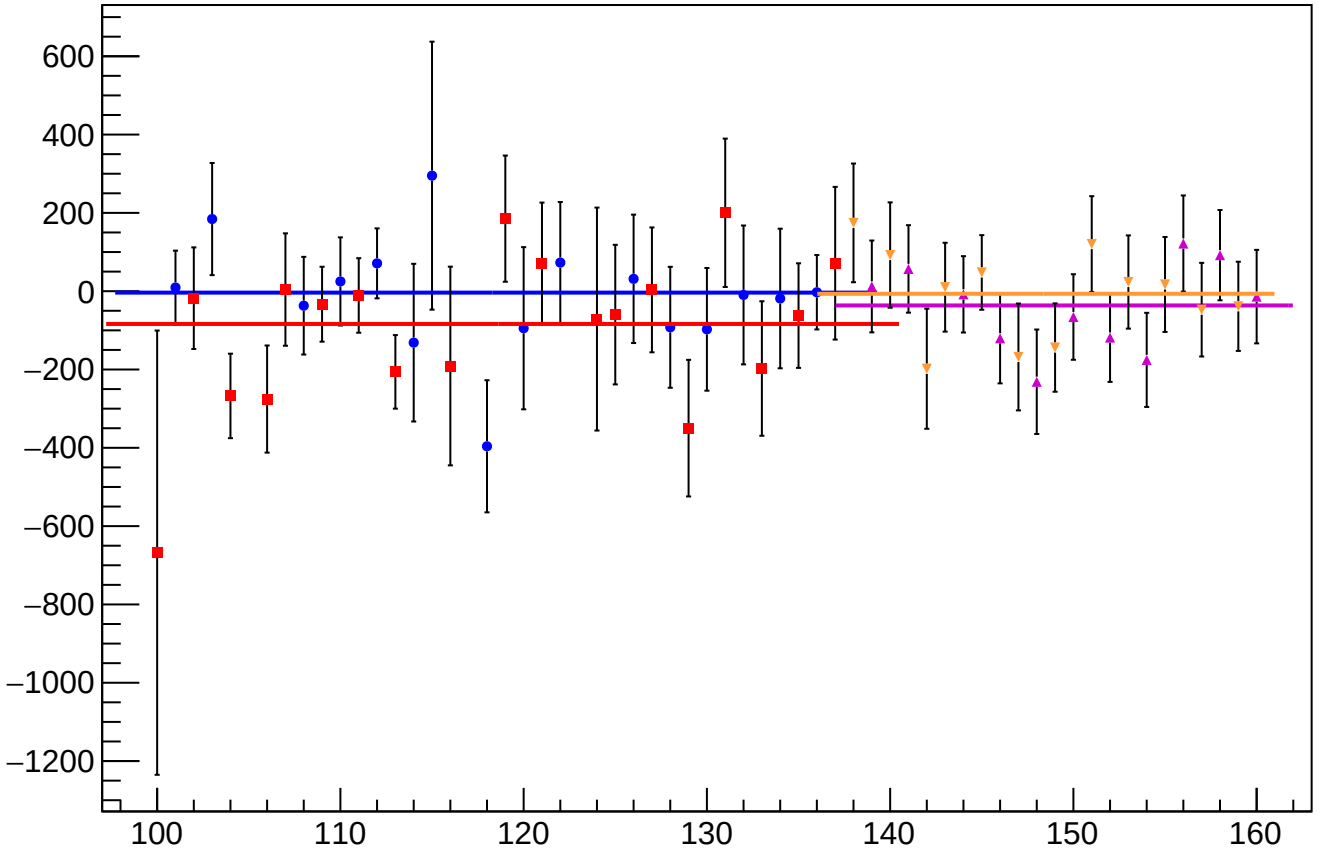
Left In: 697.779+/-0.161 χ^2/NDF:276641.2/10

\+ sign 672.386+/-0.121 χ^2/NDF: 2372328.7/27

All: 664.119+/-0.084 χ^2/NDF: 4871809.0/57

\- 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: -6.626+/-35.051 χ^2/NDF:8.1/11

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

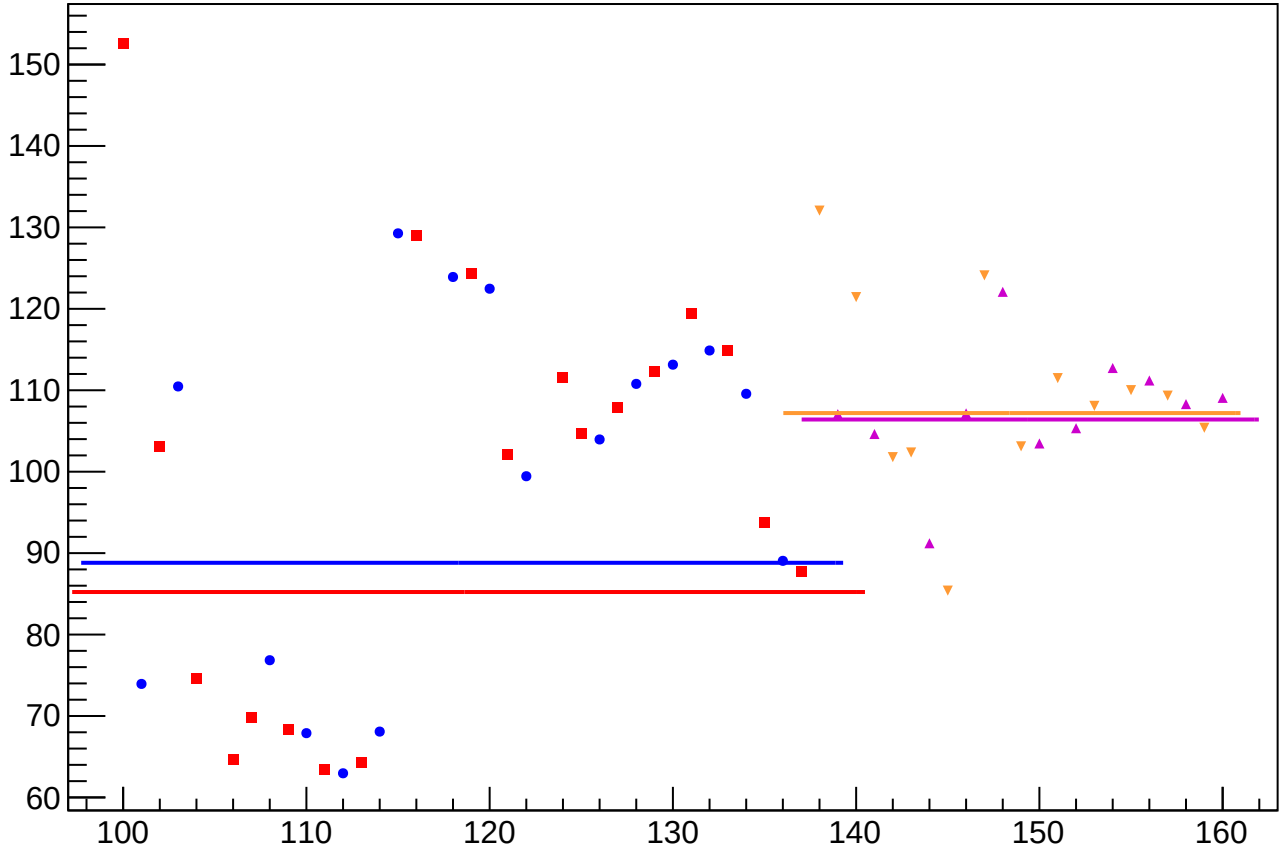
Left In: -36.408+/-34.663 χ^2/NDF:8.5/10

+ sign -5.091+/-24.461 χ^2/NDF: 18.5/27

All: -34.098+/-17.043 χ^2/NDF: 49.7/57

- 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: 107.200+/-0.025 χ^2/NDF:225204.5/11

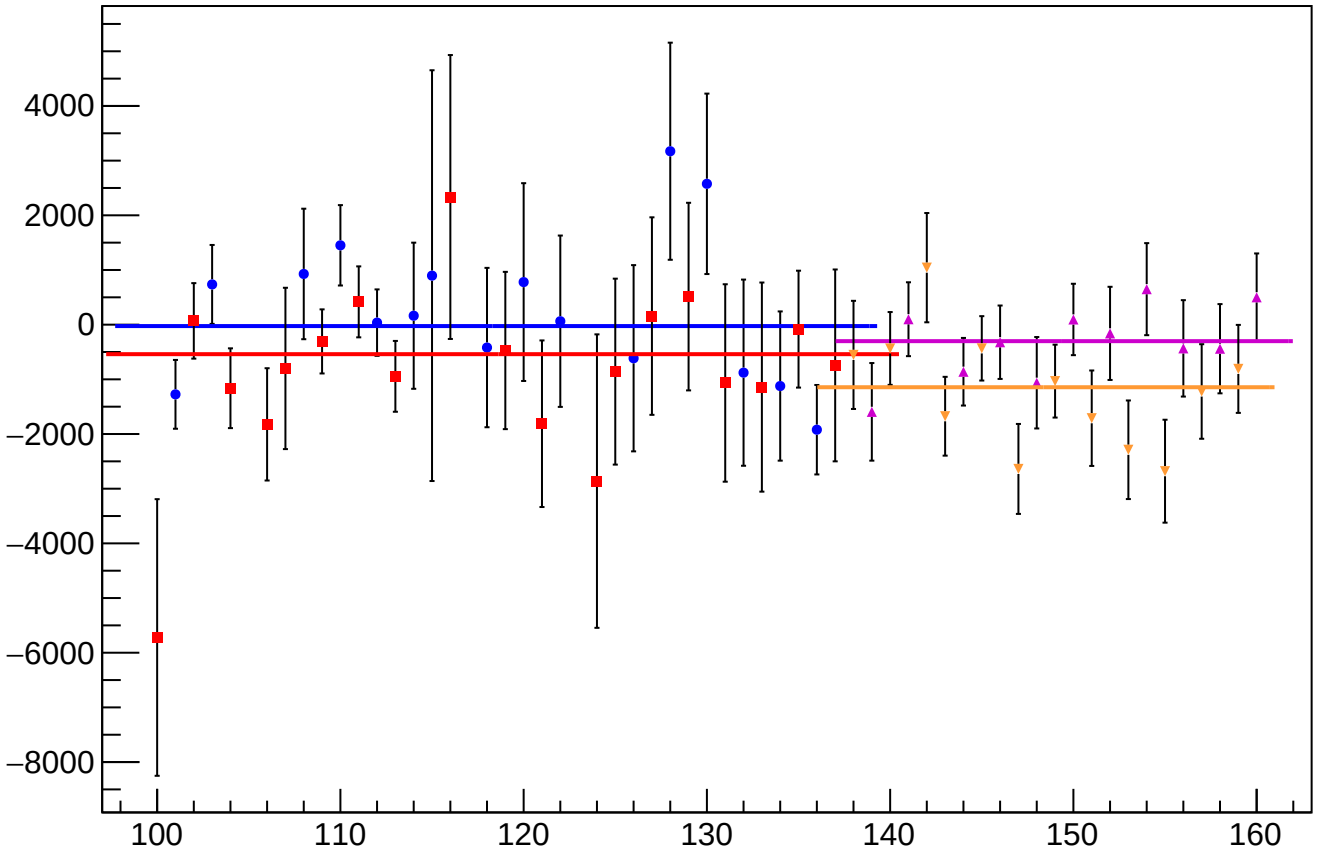
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 106.408+/-0.025 χ^2/NDF:88636.3/10

+ sign 97.768+/-0.017 χ^2/NDF: 1232126.1/27

All: 96.435+/-0.012 χ^2/NDF: 2612358.6/57

- 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: -1144.432+/-227.207 χ^2/NDF:16.5/11

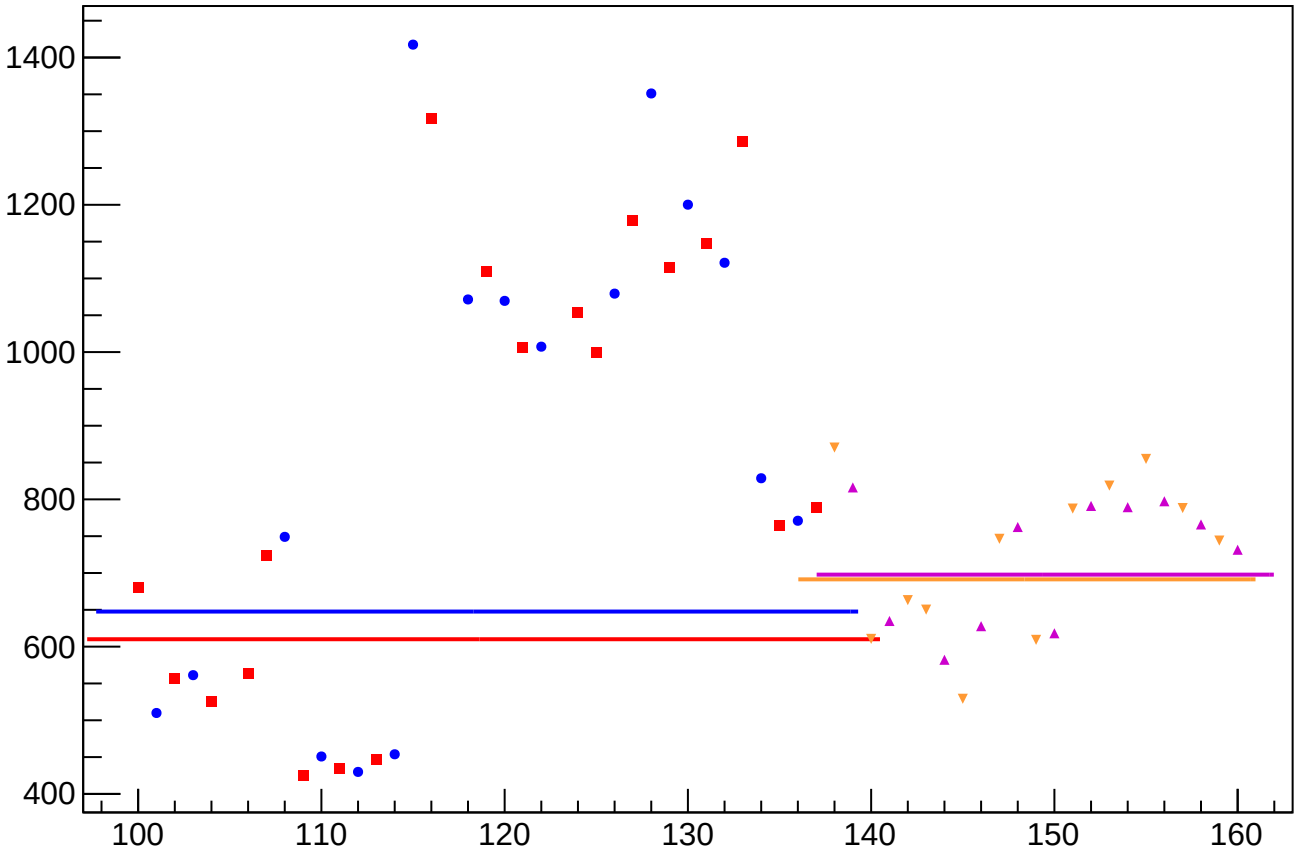
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -301.536+/-228.280 χ^2/NDF:6.8/10

+ sign -658.789+/-170.915 χ^2/NDF: 48.6/27

All: -532.694+/-119.009 χ^2/NDF: 70.6/57

- 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: 691.369+/-0.161 χ^2/NDF:452351.8/11

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

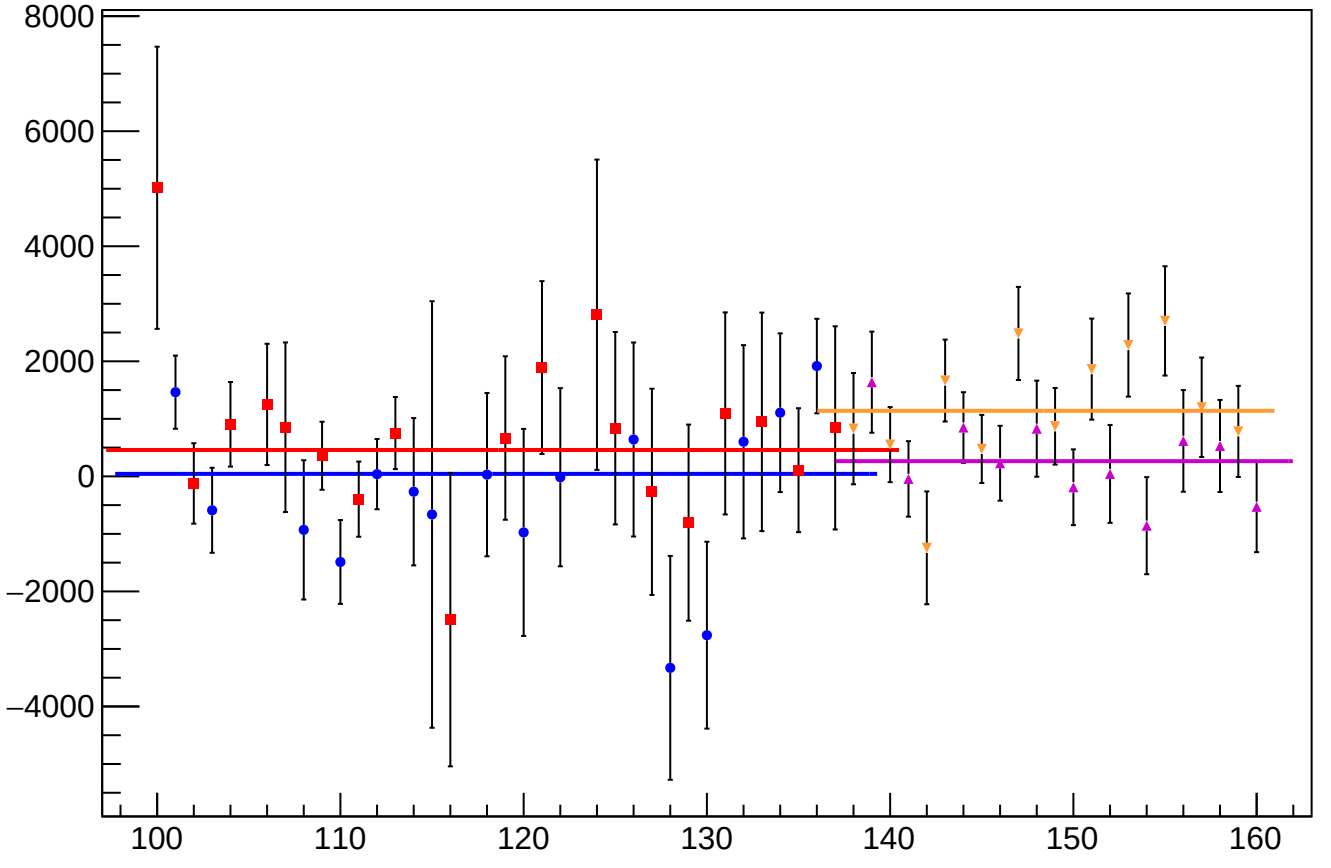
Left In: 697.778+/-0.161 χ^2/NDF:276639.1/10

+ sign 672.385+/-0.121 χ^2/NDF: 2372335.0/27

All: 664.118+/-0.084 χ^2/NDF: 4871817.8/57

- 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: 1139.762+/-225.603 χ^2/NDF:16.8/11

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

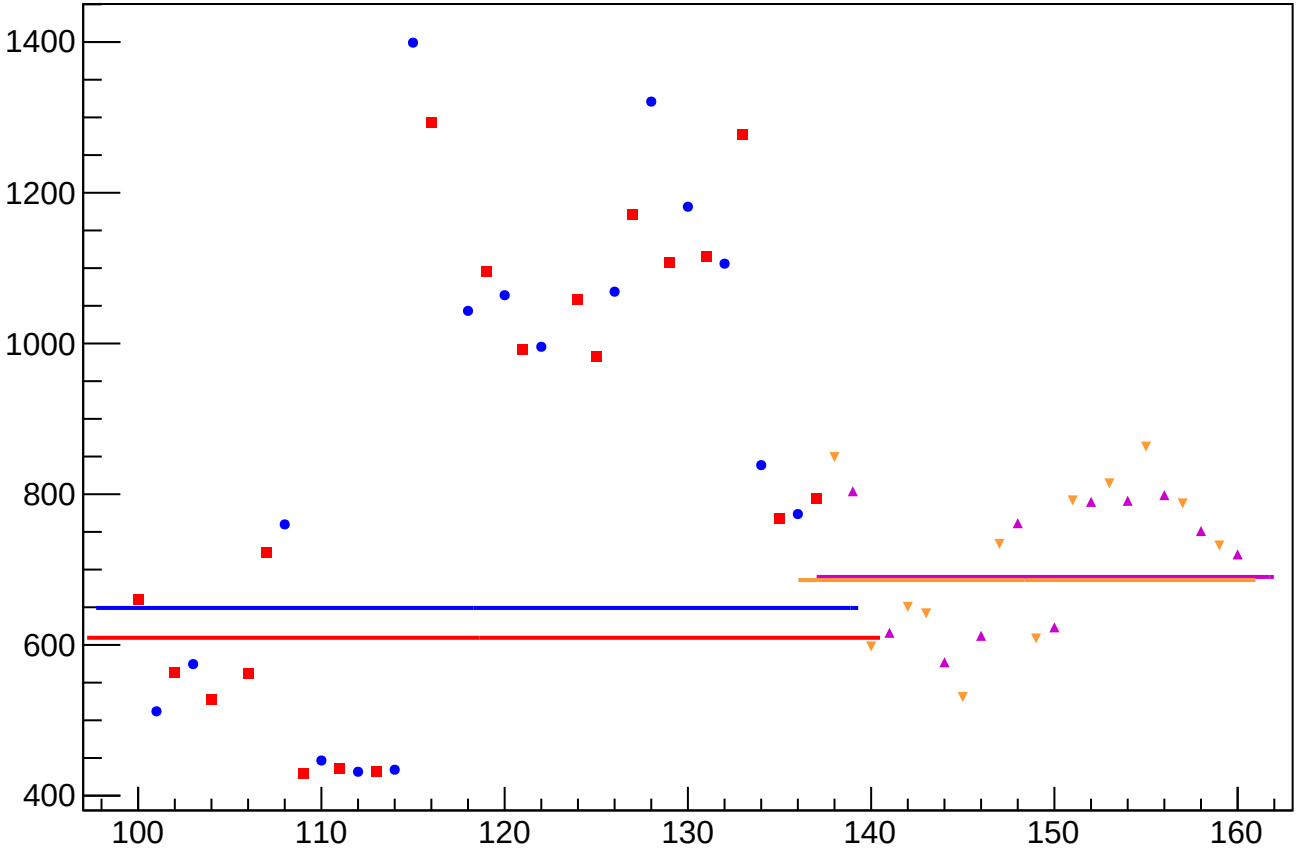
Left In: 264.396+/-225.845 χ^2/NDF:7.6/10

+ sign 668.325+/-170.341 χ^2/NDF: 50.1/27

All: 506.475+/-118.453 χ^2/NDF: 71.1/57

- 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: 686.073+/-0.160 χ^2/NDF:449121.1/11

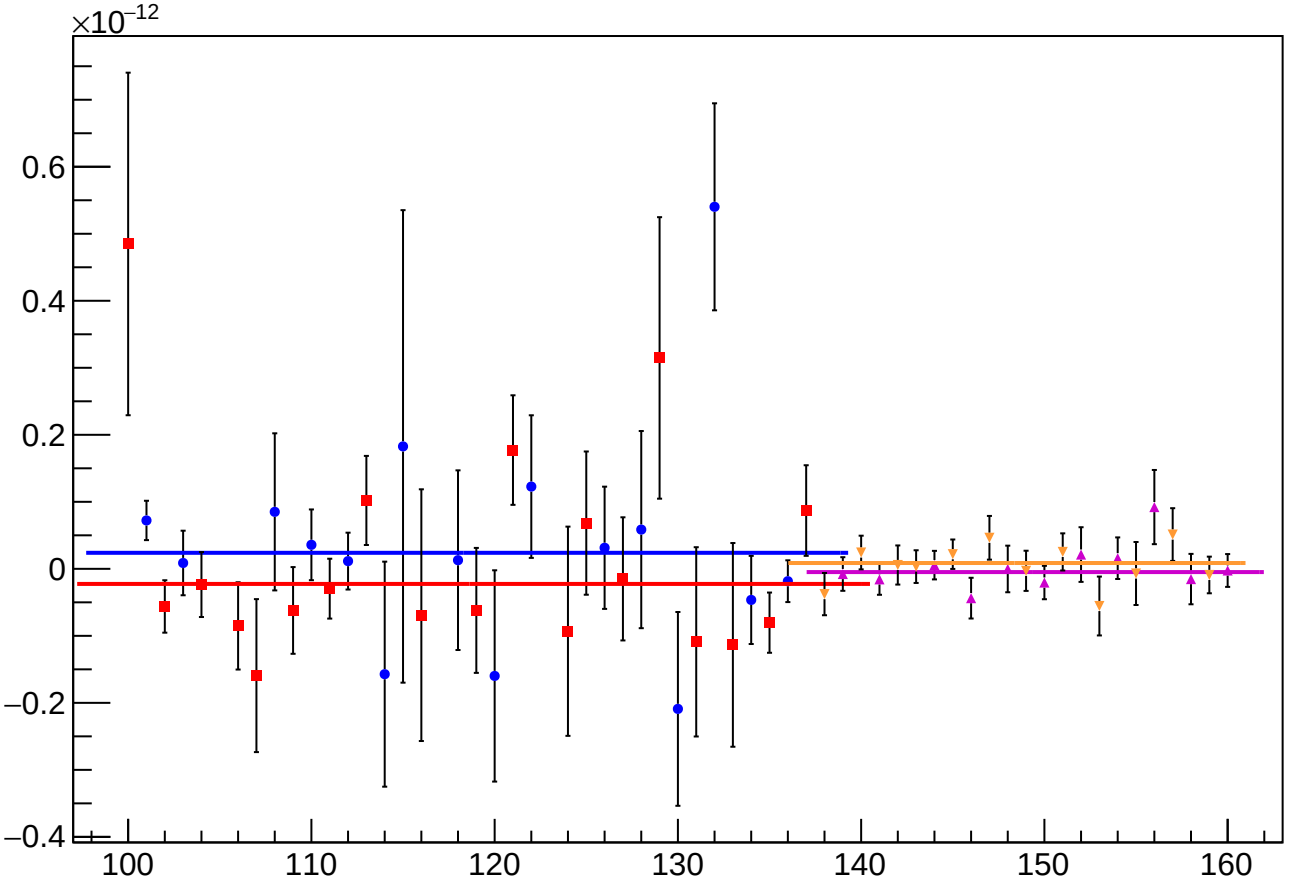
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 690.252+/-0.160 χ^2/NDF:291813.9/10

+ sign 670.174+/-0.120 χ^2/NDF: 2318042.1/27

All: 661.058+/-0.084 χ^2/NDF: 4783982.4/57

- 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:8.6/11

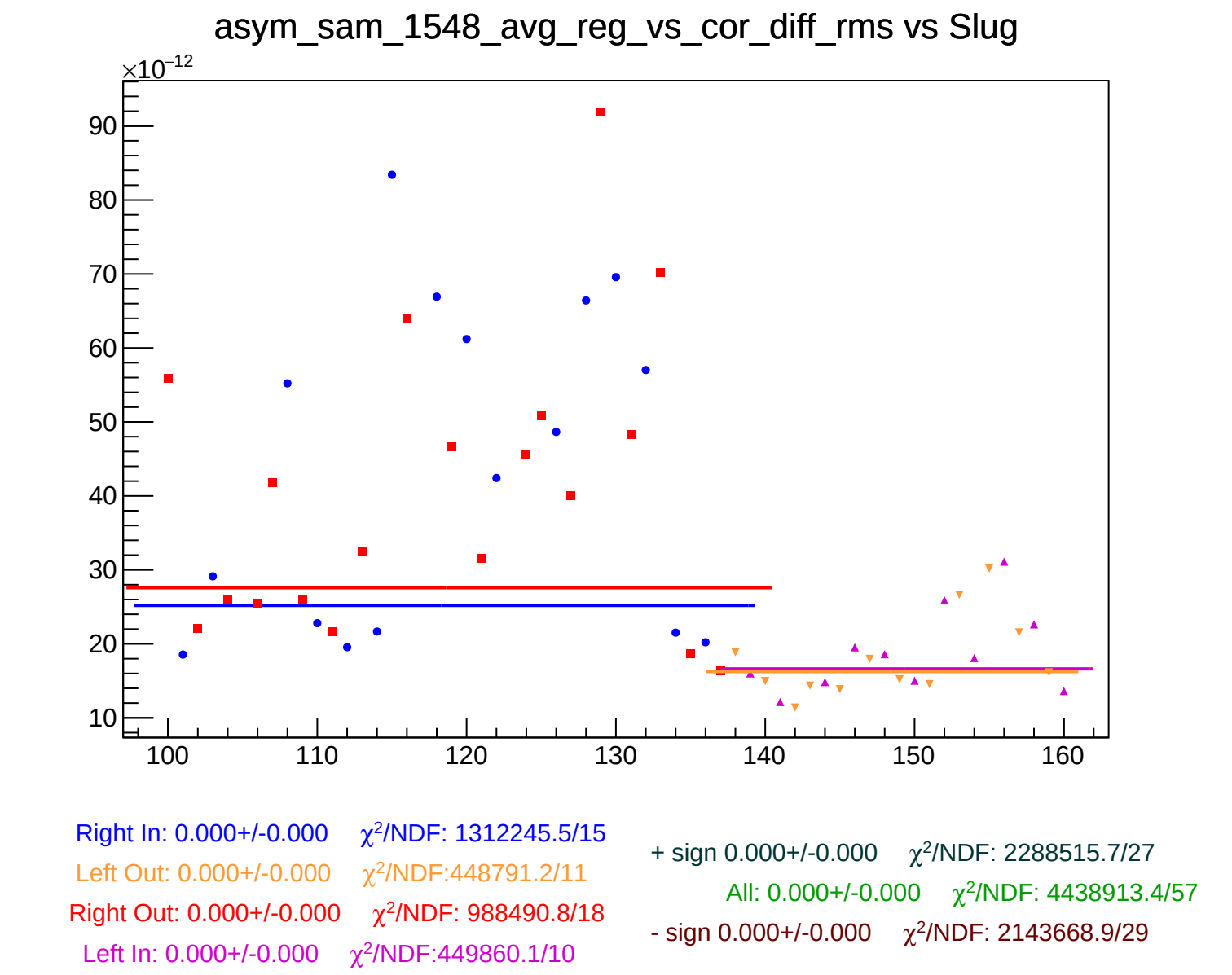
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/10

+ sign 0.000+/-0.000 χ^2/NDF: 33.0/27

All: 0.000+/-0.000 χ^2/NDF: 70.1/57

- sign -0.000+/-0.000 χ^2/NDF: 33.1/29


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug
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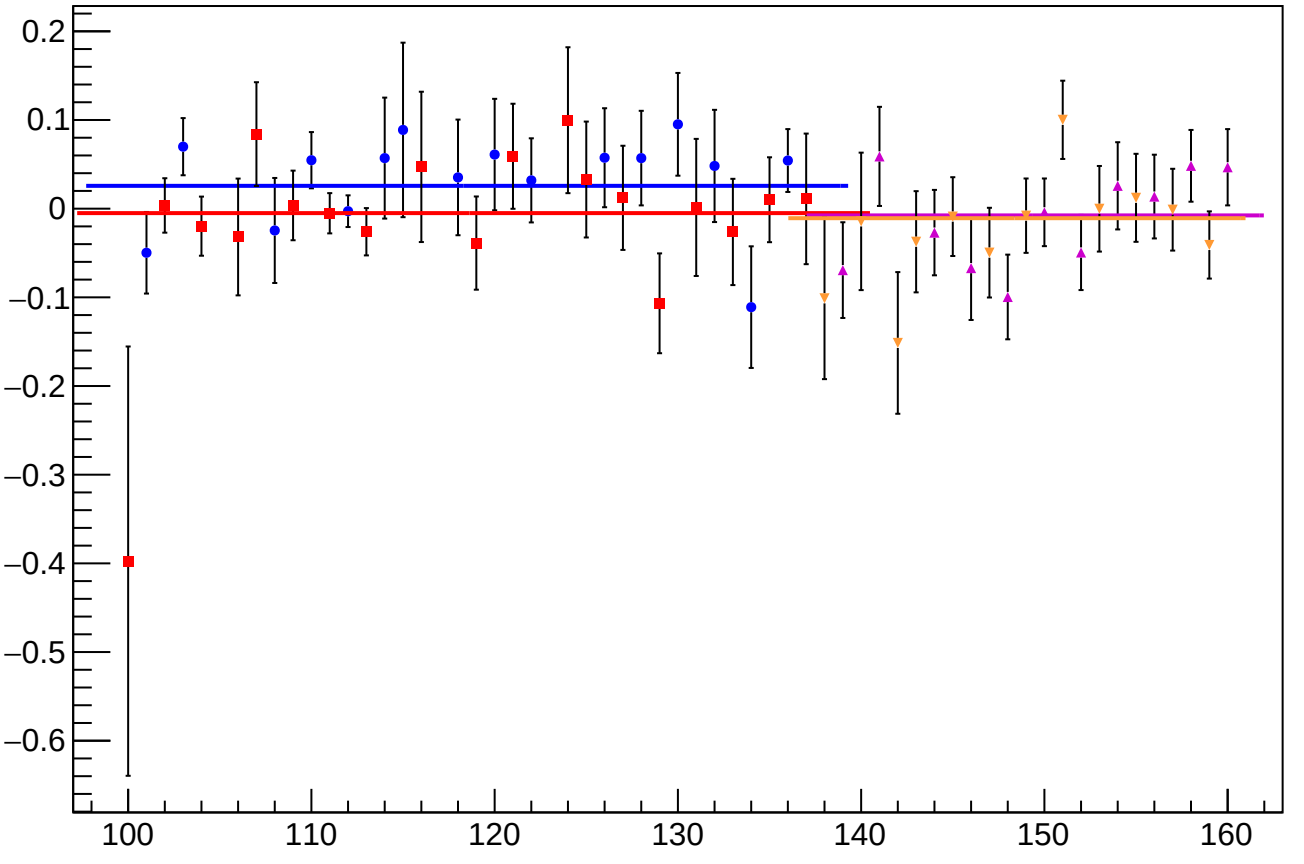
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:448791.2/11
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:449860.1/10
+ sign 0.000+/-0.000 χ²/NDF: 2288515.7/27
All: 0.000+/-0.000 χ²/NDF: 4438913.4/57
- sign 0.000+/-0.000 χ²/NDF: 2143668.9/29



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.015 χ^2/NDF:12.2/11

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

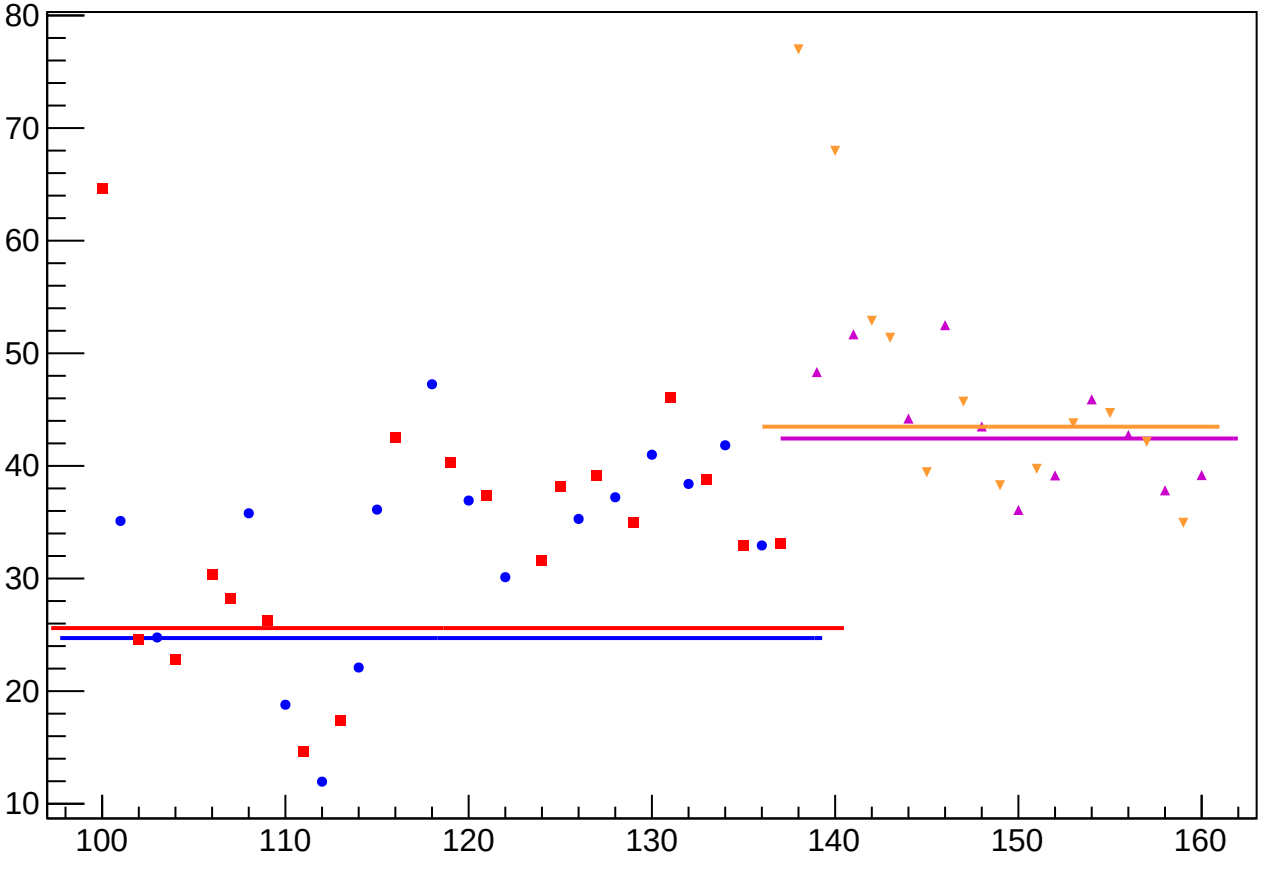
Left In: -0.008+/-0.014 χ^2/NDF:12.8/10

+ sign 0.013+/-0.008 χ^2/NDF: 32.8/27

All: 0.004+/-0.006 χ^2/NDF: 61.9/57

- sign -0.006+/-0.008 χ^2/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: 43.481+/-0.010 χ^2/NDF:706043.9/11

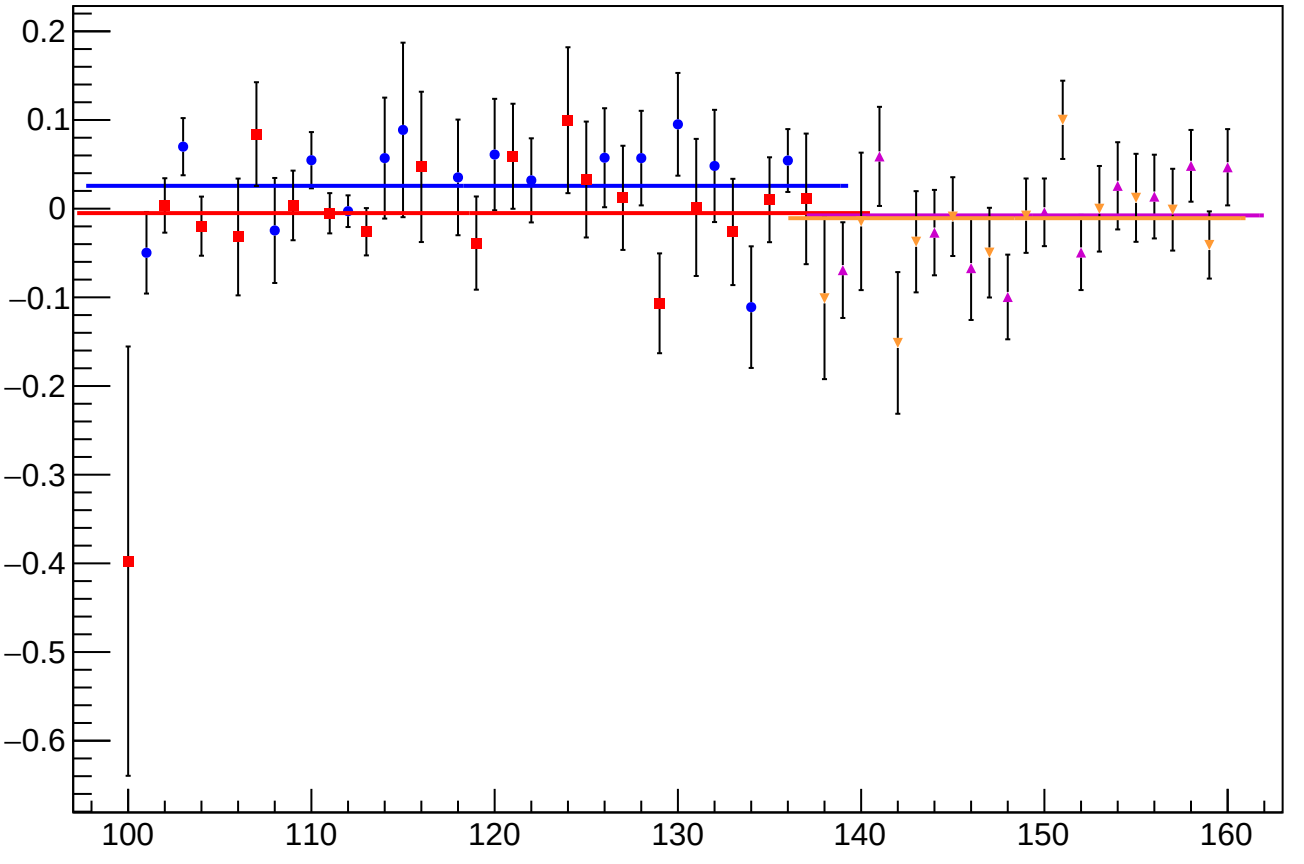
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 42.434+/-0.010 χ^2/NDF:256236.6/10

+ sign 31.031+/-0.006 χ^2/NDF: 5212606.1/27

All: 31.284+/-0.004 χ^2/NDF: 8943442.7/57

- sign 31.531+/-0.006 χ^2/NDF: 3727283.9/29



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.015 χ^2/NDF:12.2/11

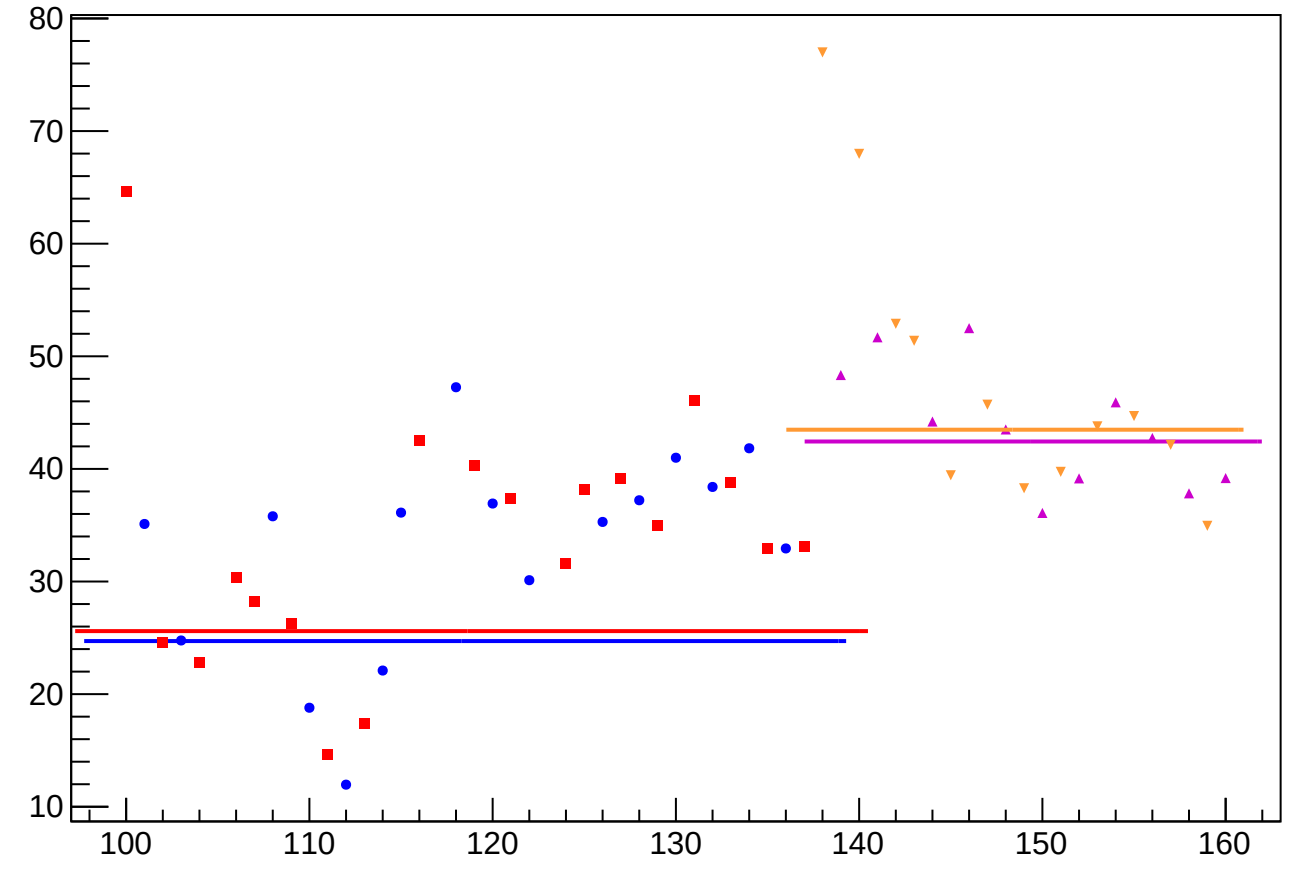
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.014 χ^2/NDF:12.8/10

+ sign 0.013+/-0.008 χ^2/NDF: 32.8/27

All: 0.004+/-0.006 χ^2/NDF: 61.9/57

- sign -0.006+/-0.008 χ^2/NDF: 26.4/29



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.481+/-0.010 χ^2/NDF:706043.9/11

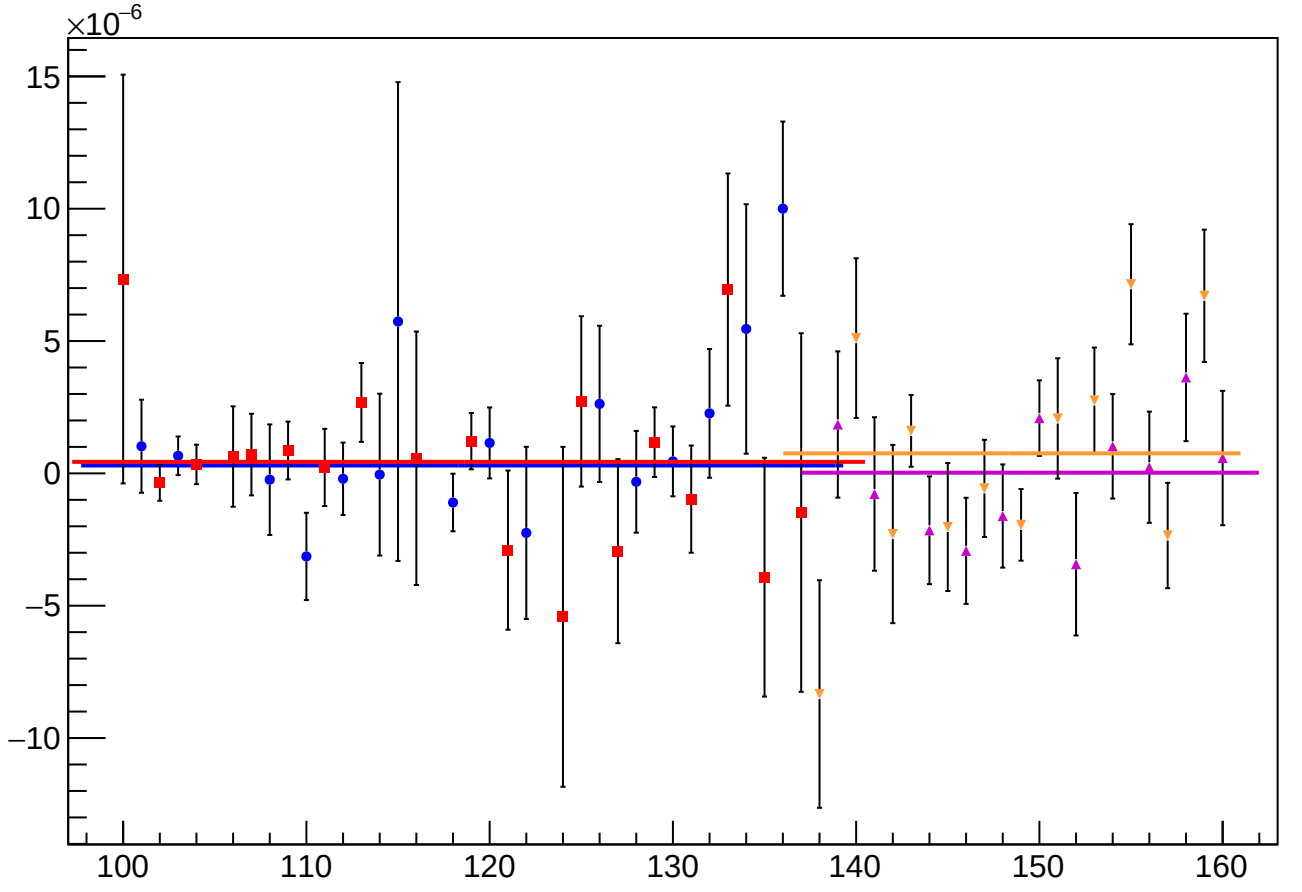
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 42.434+/-0.010 χ^2/NDF:256236.6/10

+ sign 31.031+/-0.006 χ^2/NDF: 5212606.1/27

All: 31.284+/-0.004 χ^2/NDF: 8943442.7/57

- sign 31.531+/-0.006 χ^2/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:31.0/11

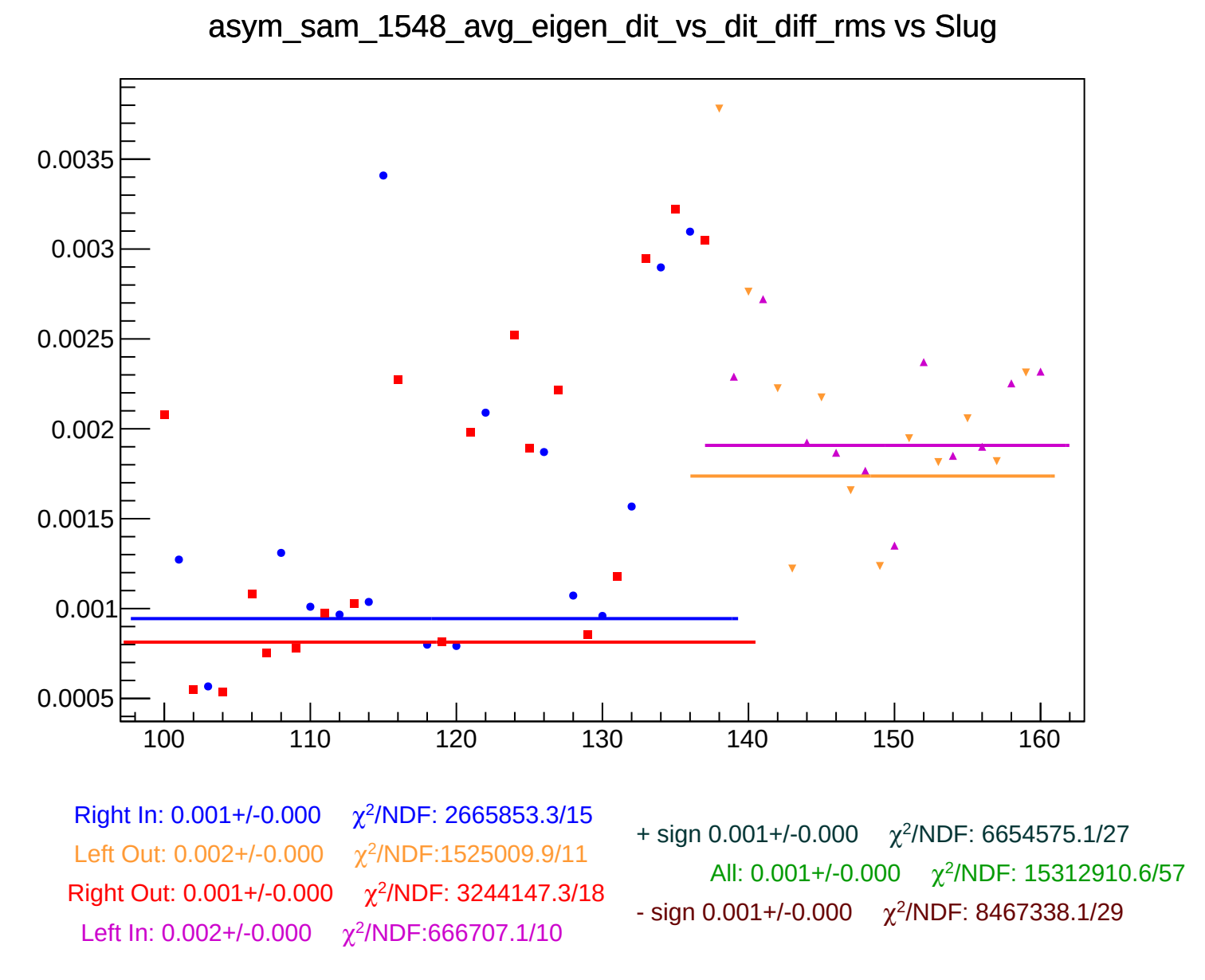
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/10

+ sign 0.000+/-0.000 χ^2/NDF: 50.7/27

All: 0.000+/-0.000 χ^2/NDF: 74.5/57

- sign 0.000+/-0.000 χ^2/NDF: 23.8/29


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
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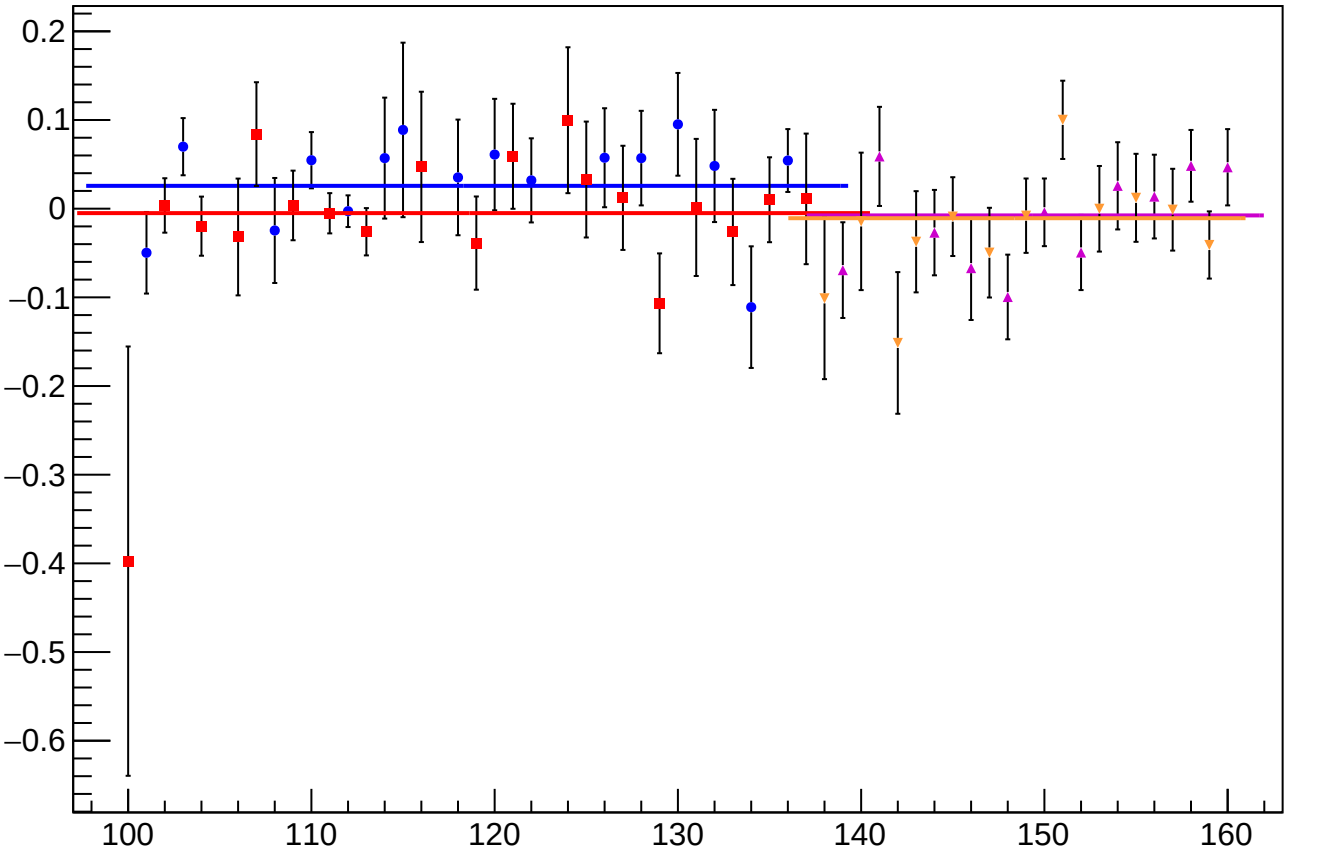
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1525009.9/11
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:666707.1/10
+ sign 0.001+/-0.000 χ²/NDF: 6654575.1/27
All: 0.001+/-0.000 χ²/NDF: 15312910.6/57
- sign 0.001+/-0.000 χ²/NDF: 8467338.1/29



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.015 χ^2/NDF:12.2/11

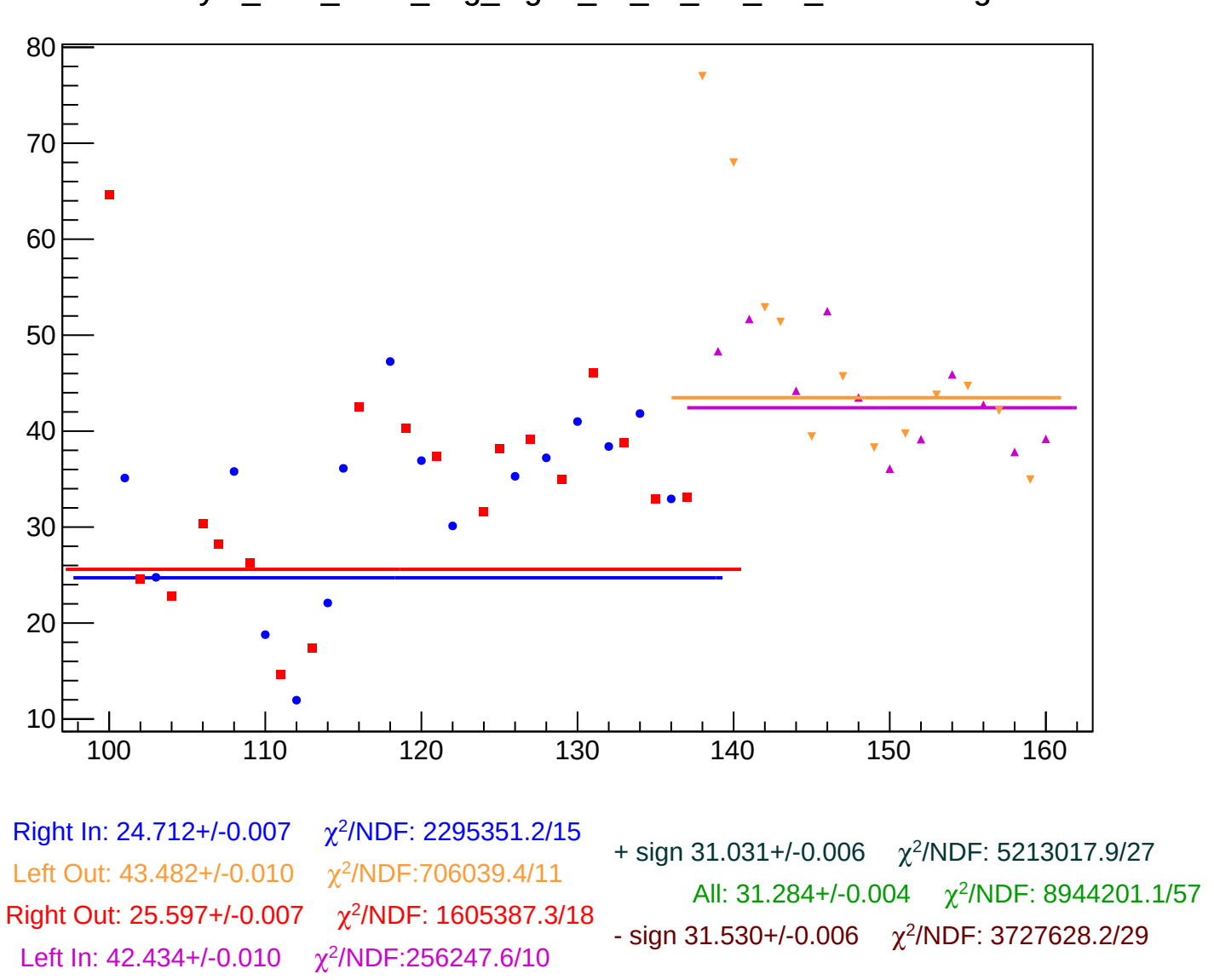
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.014 χ^2/NDF:12.8/10

+ sign 0.013+/-0.008 χ^2/NDF: 32.8/27

All: 0.004+/-0.006 χ^2/NDF: 61.9/57

- sign -0.006+/-0.008 χ^2/NDF: 26.4/29


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug
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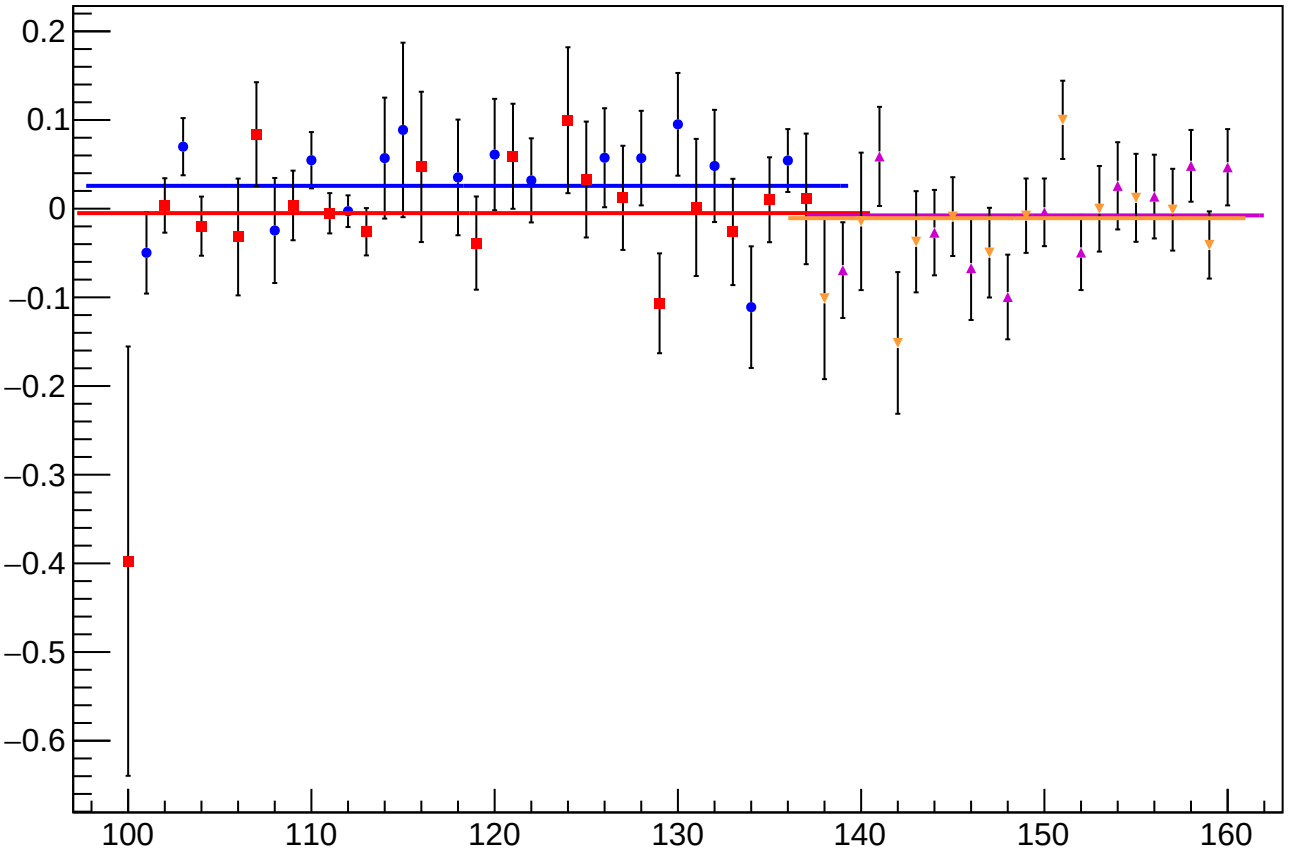
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.482+/-0.010 χ²/NDF:706039.4/11
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.434+/-0.010 χ²/NDF:256247.6/10
+ sign 31.031+/-0.006 χ²/NDF: 5213017.9/27
All: 31.284+/-0.004 χ²/NDF: 8944201.1/57
- sign 31.530+/-0.006 χ²/NDF: 3727628.2/29



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.011+/-0.015 χ^2/NDF:12.2/11

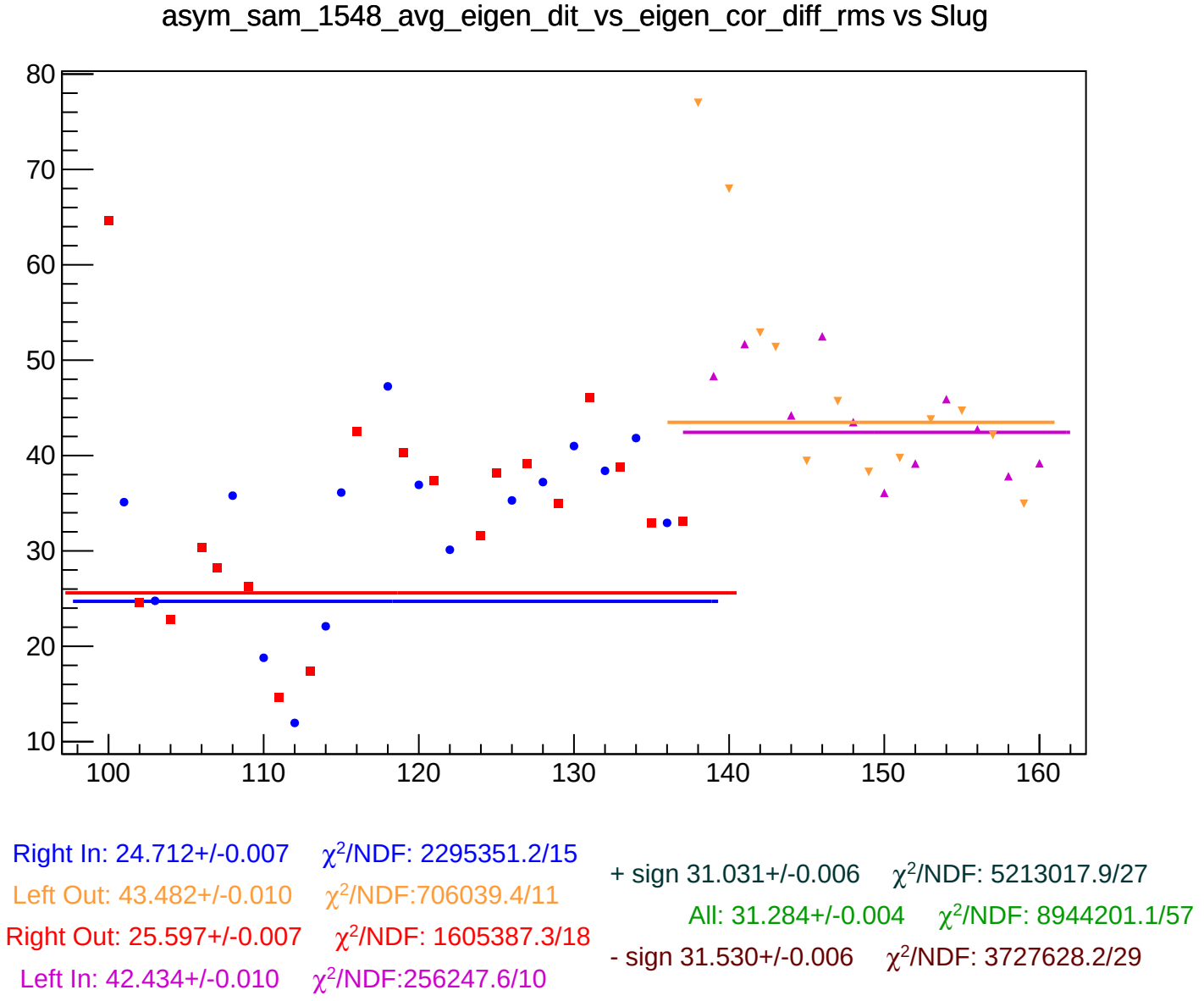
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.008+/-0.014 χ^2/NDF:12.8/10

+ sign 0.013+/-0.008 χ^2/NDF: 32.8/27

All: 0.004+/-0.006 χ^2/NDF: 61.9/57

- sign -0.006+/-0.008 χ^2/NDF: 26.4/29


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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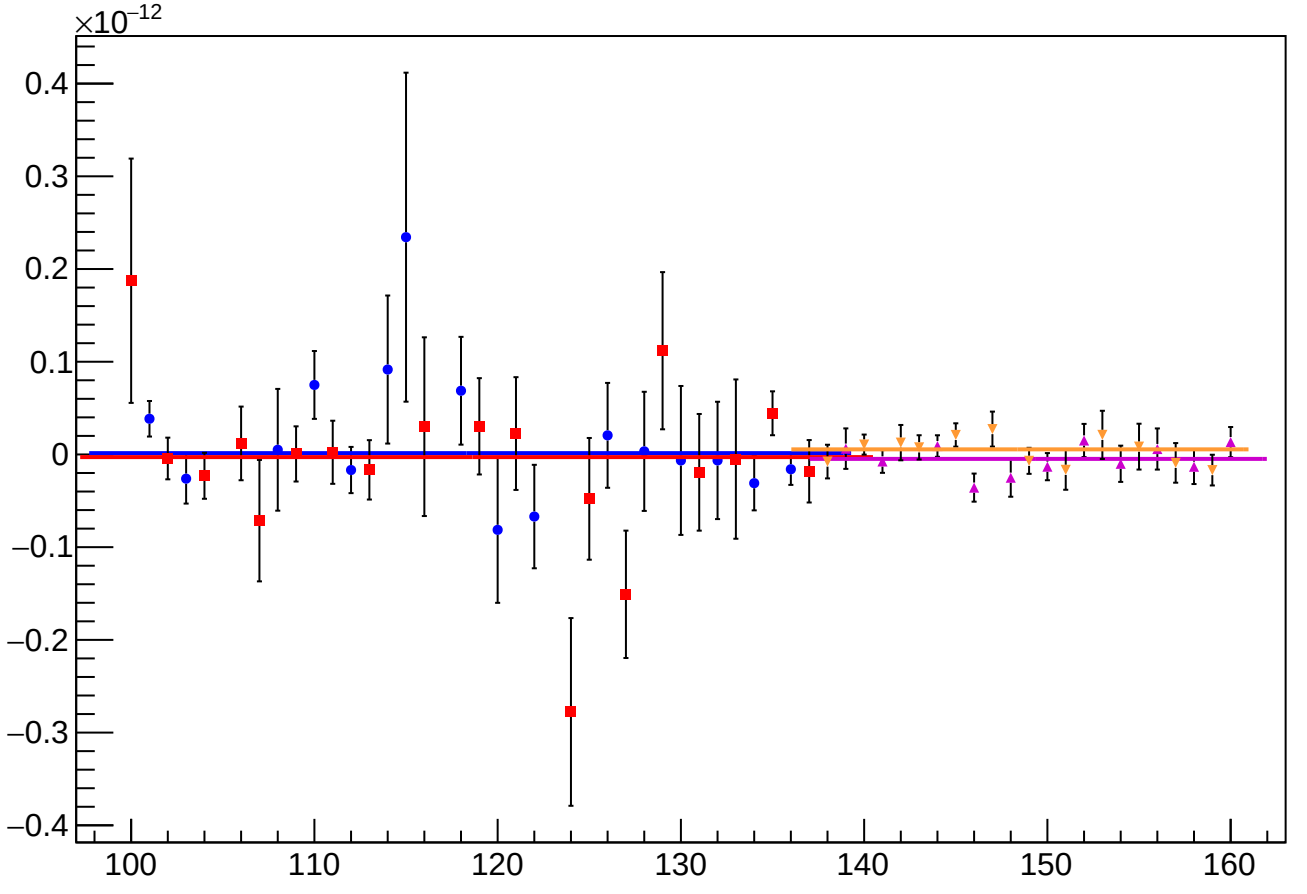
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.482+/-0.010 χ²/NDF:706039.4/11
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.434+/-0.010 χ²/NDF:256247.6/10
+ sign 31.031+/-0.006 χ²/NDF: 5213017.9/27
All: 31.284+/-0.004 χ²/NDF: 8944201.1/57
- sign 31.530+/-0.006 χ²/NDF: 3727628.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/11

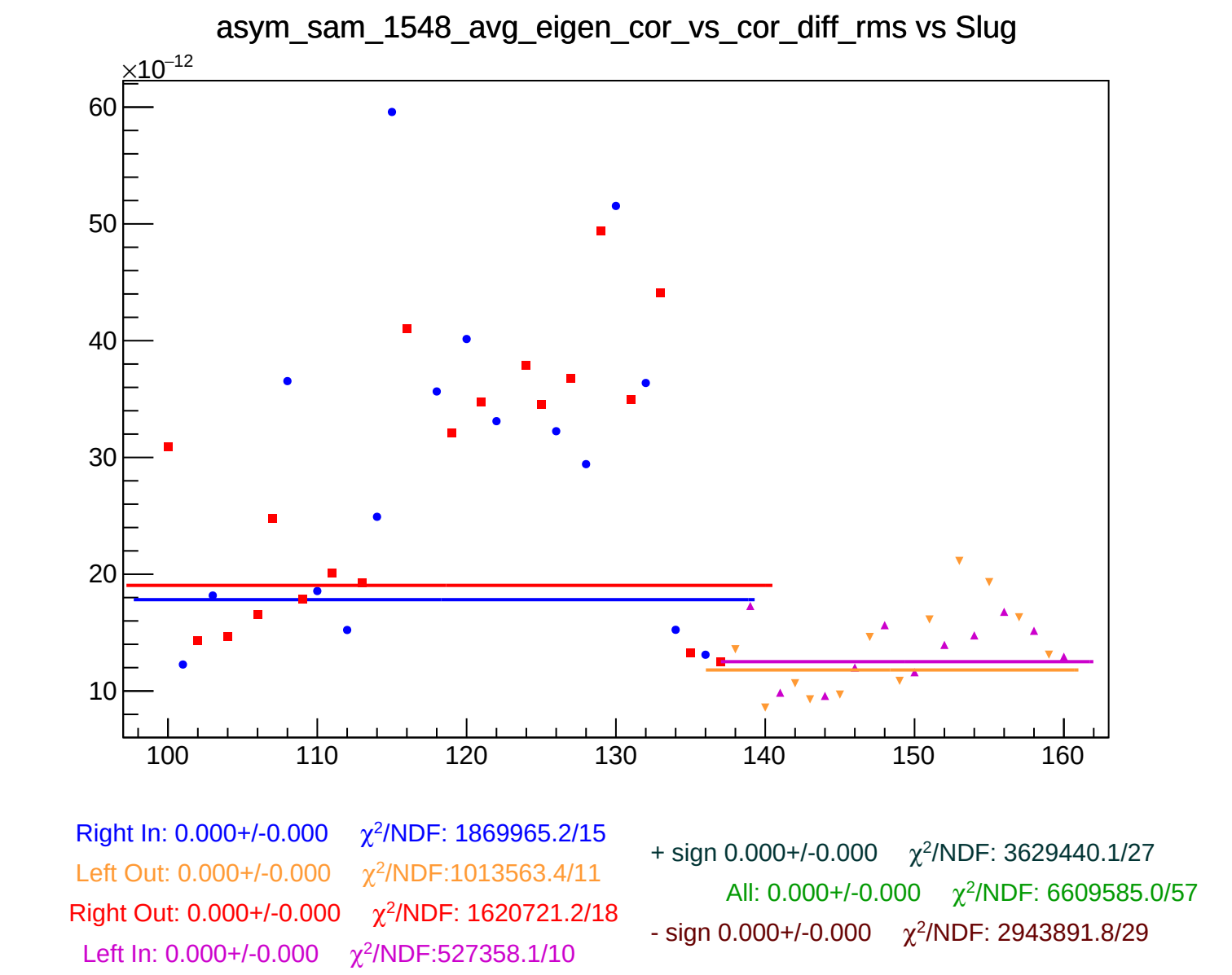
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/10

+ sign 0.000+/-0.000 χ^2/NDF: 27.2/27

All: 0.000+/-0.000 χ^2/NDF: 63.1/57

- 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
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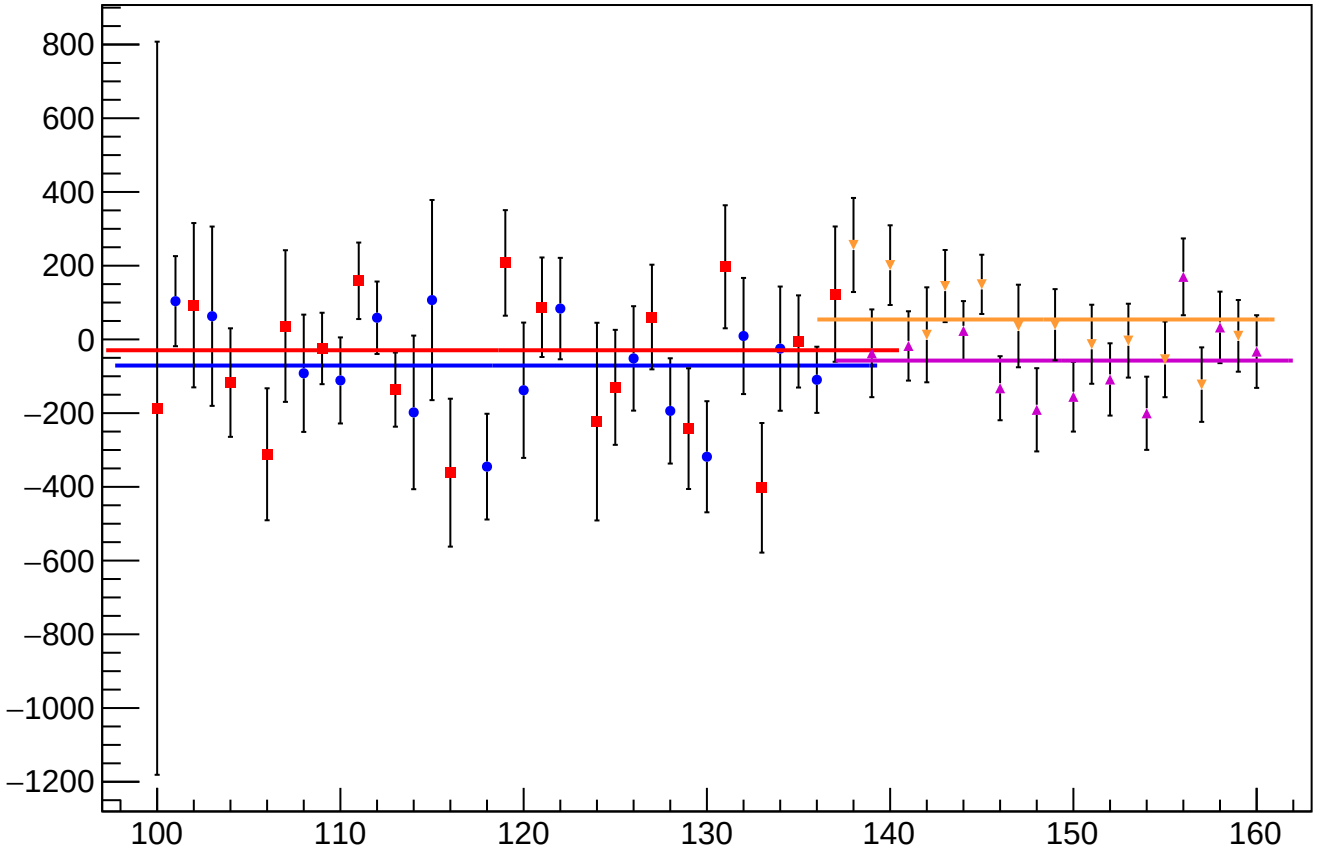
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1013563.4/11
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:527358.1/10
+ sign 0.000+/-0.000 χ²/NDF: 3629440.1/27
All: 0.000+/-0.000 χ²/NDF: 6609585.0/57
- sign 0.000+/-0.000 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: 54.052+/-29.633 χ^2/NDF:11.9/11

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

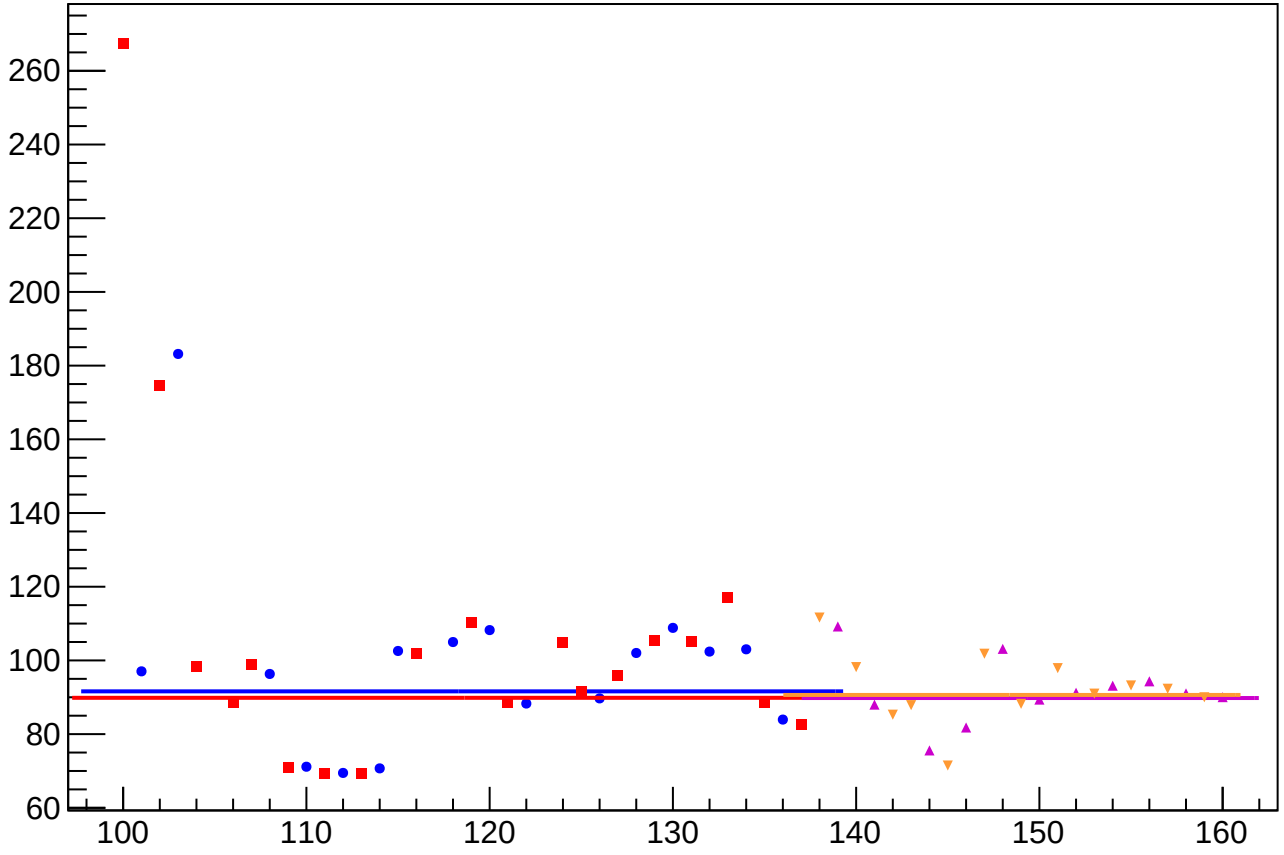
Left In: -57.421+/-29.277 χ^2/NDF:12.5/10

+ sign 2.095+/-22.649 χ^2/NDF: 33.3/27

All: -22.170+/-15.873 χ^2/NDF: 72.4/57

- 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: 90.631+/-0.021 χ^2/NDF:214951.5/11

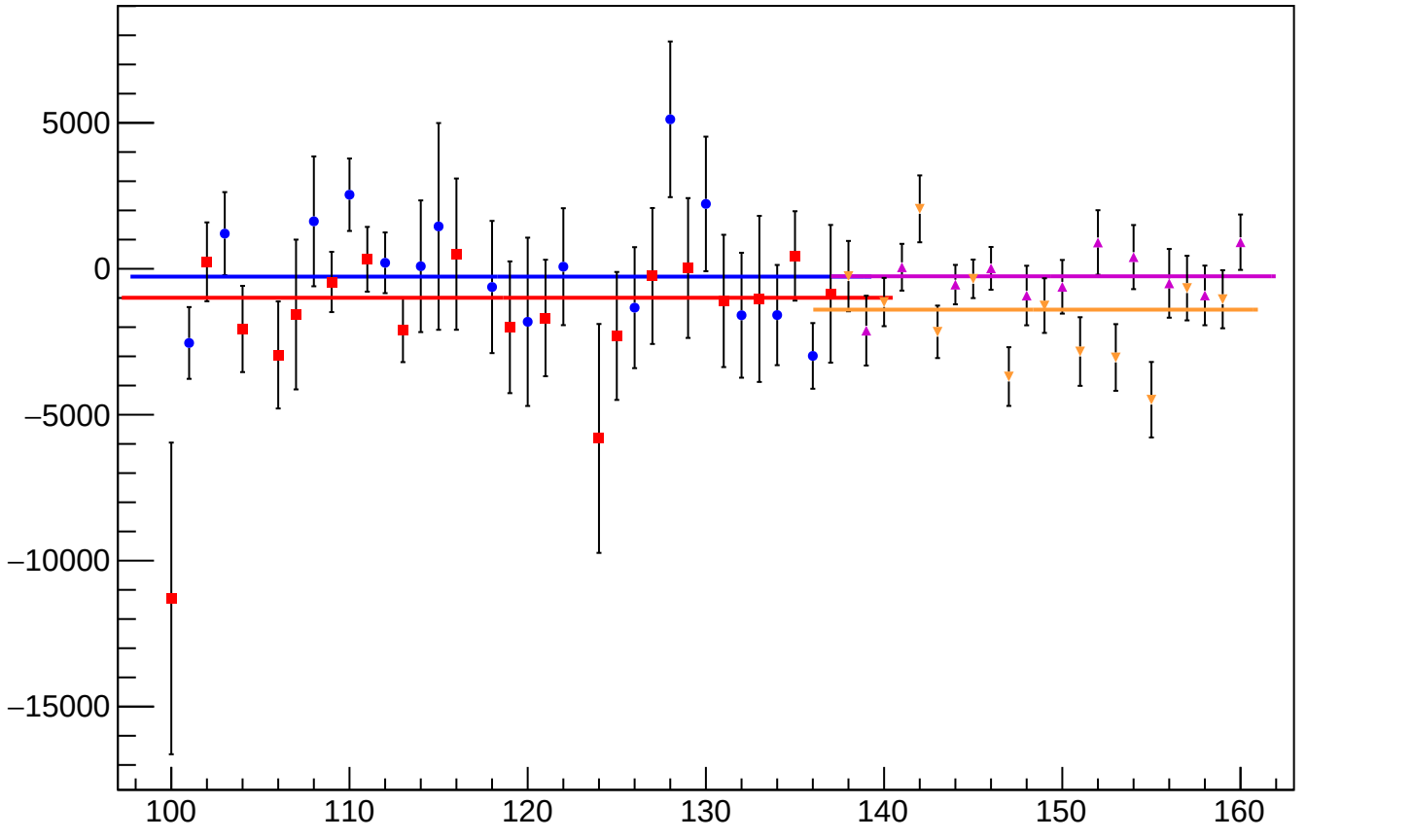
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.795+/-0.021 χ^2/NDF:167667.3/10

+ sign 91.037+/-0.016 χ^2/NDF: 796528.3/27

All: 90.418+/-0.011 χ^2/NDF: 1713426.6/57

- 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: -1399.926+/-282.945 χ^2/NDF:28.4/11

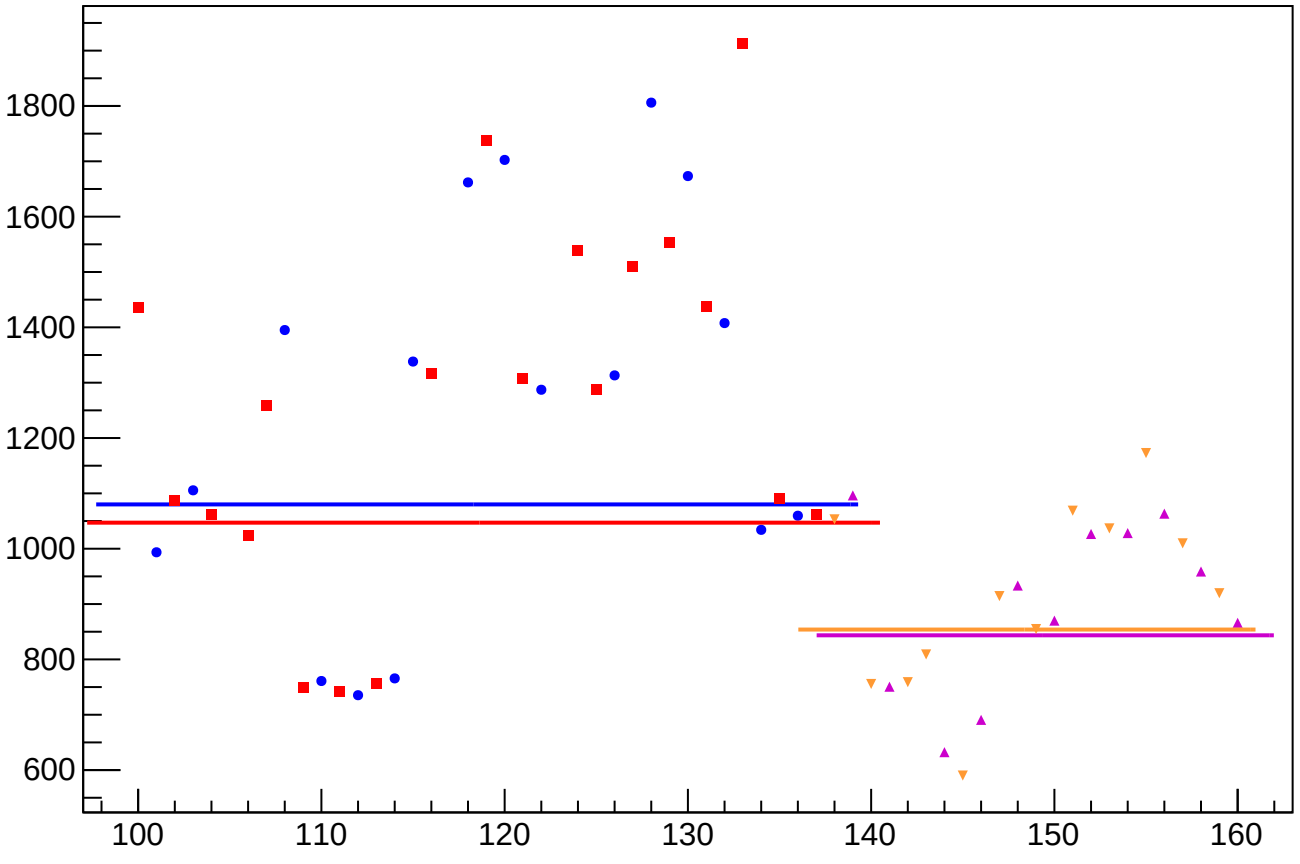
Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: -257.427+/-278.540 χ^2/NDF:6.9/10

+ sign -1046.237+/-234.589 χ^2/NDF: 56.8/27

All: -764.607+/-163.770 χ^2/NDF: 81.5/57

- 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: 853.927+/-0.200 χ^2/NDF:716382.3/11

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

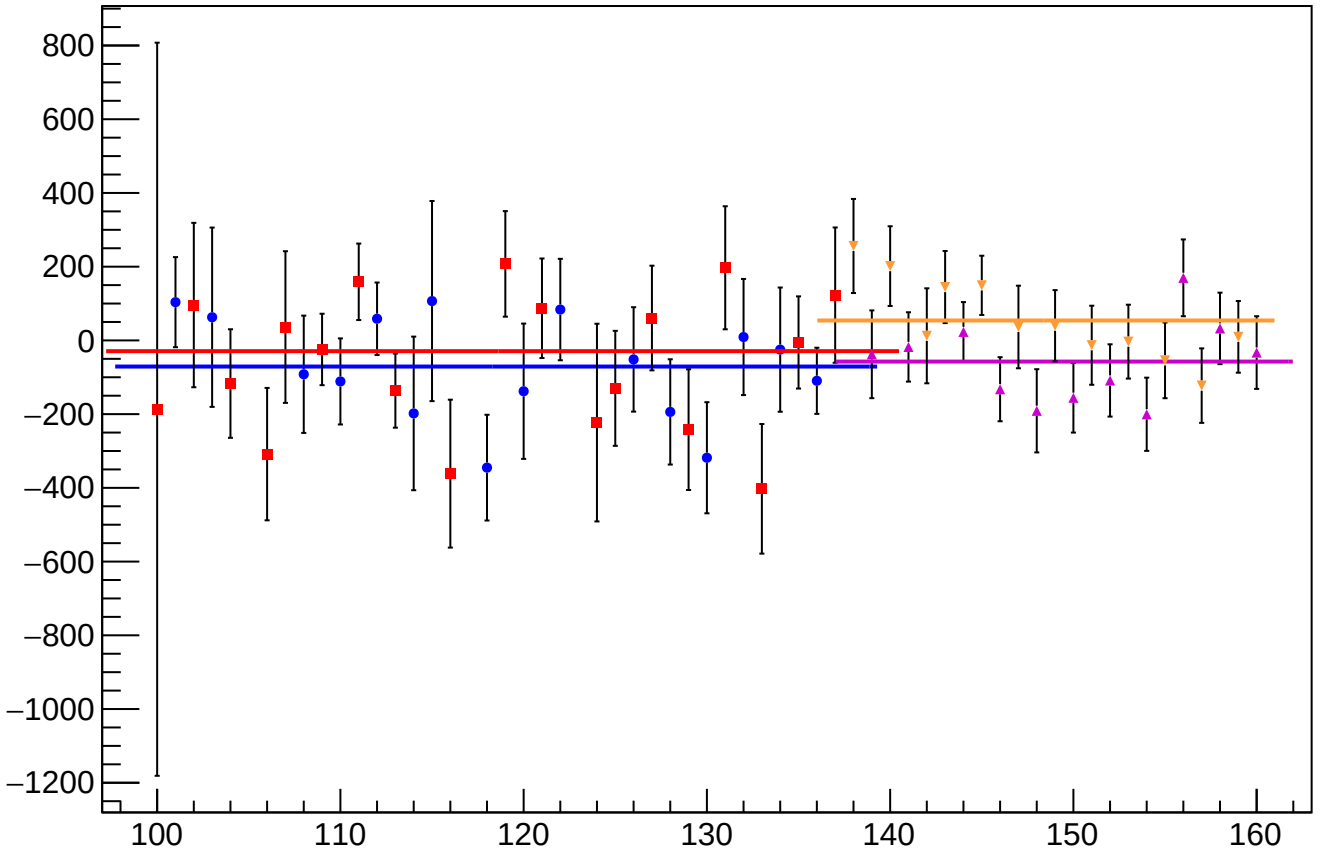
Left In: 843.528+/-0.197 χ^2/NDF:623380.0/10

+ sign 924.612+/-0.166 χ^2/NDF: 2169137.5/27

All: 917.024+/-0.116 χ^2/NDF: 4343026.3/57

- 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: 54.054+/-29.633 χ^2/NDF:11.9/11

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

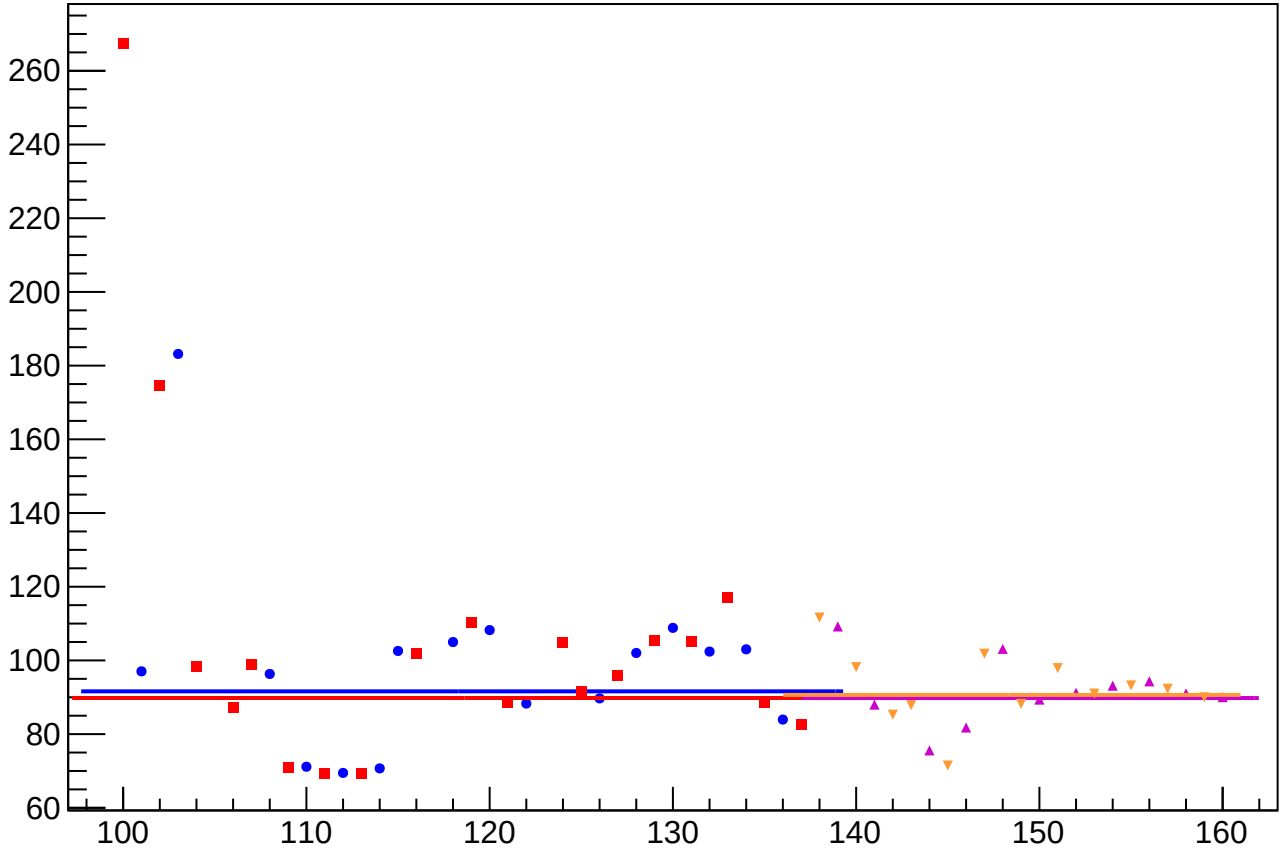
Left In: -57.425+/-29.277 χ^2/NDF:12.4/10

+ sign 2.092+/-22.649 χ^2/NDF: 33.3/27

All: -22.118+/-15.873 χ^2/NDF: 72.4/57

- 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: 90.631+/-0.021 χ^2/NDF:214951.5/11

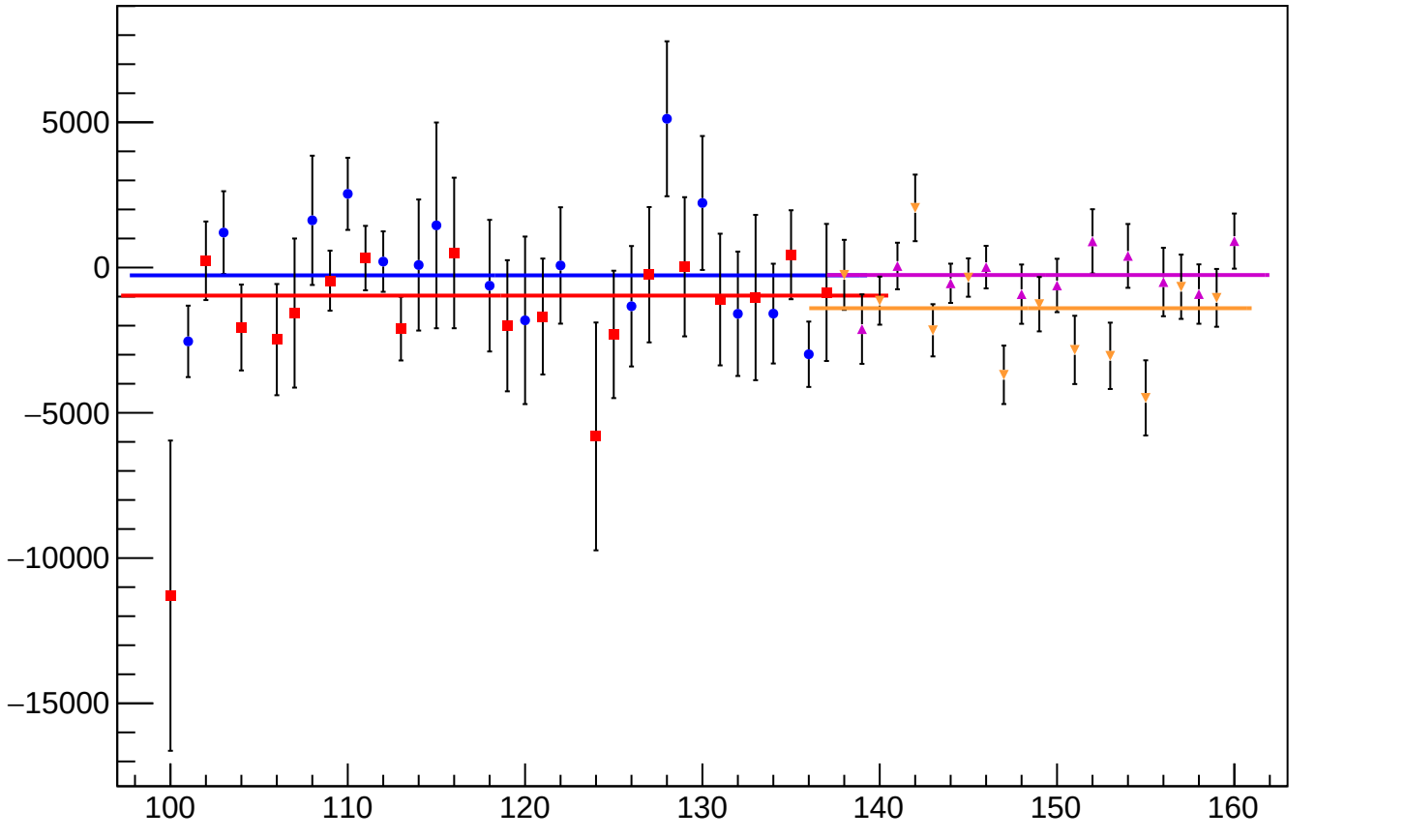
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.795+/-0.021 χ^2/NDF:167667.3/10

+ sign 91.037+/-0.016 χ^2/NDF: 796531.4/27

All: 90.408+/-0.011 χ^2/NDF: 1714068.2/57

- 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: -1399.923+/-282.945 χ^2/NDF:28.4/11

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

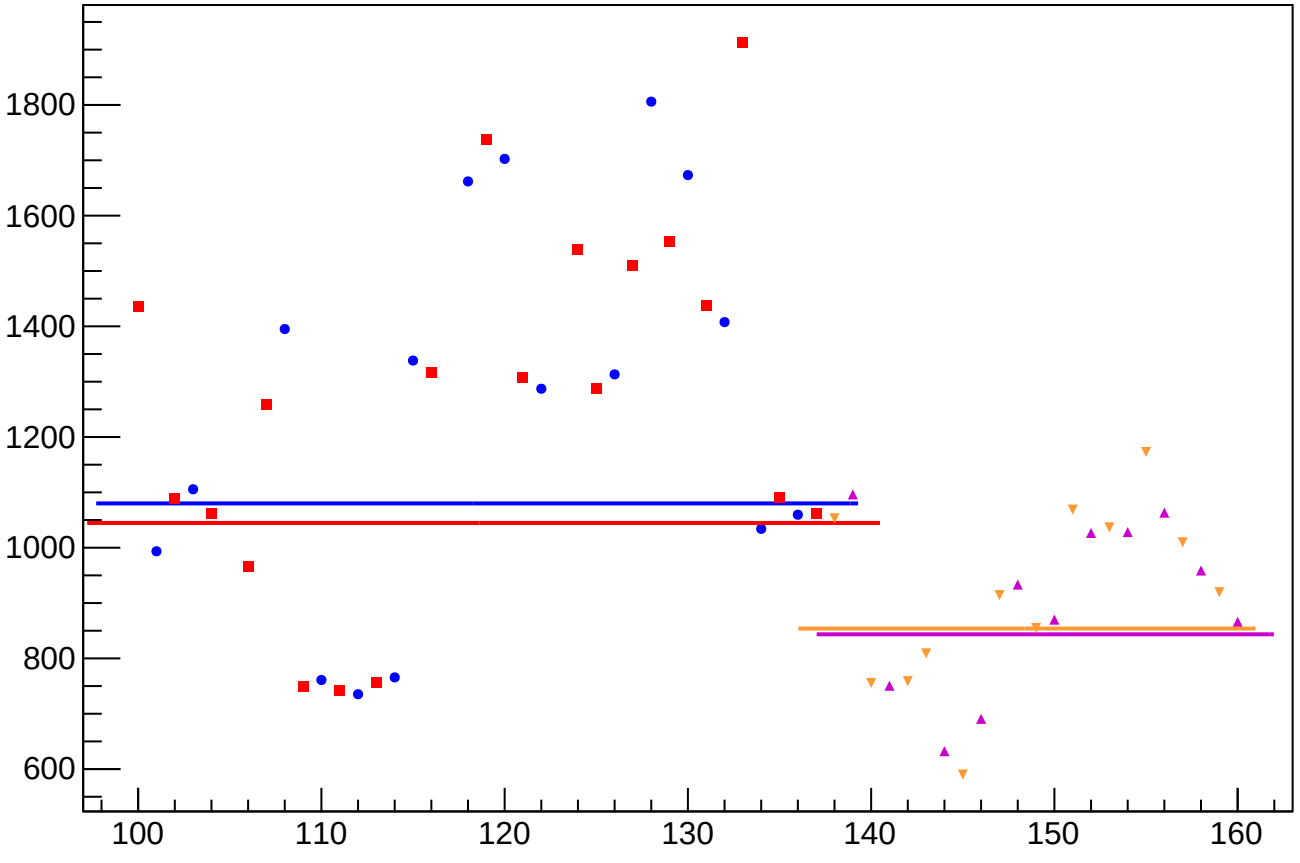
Left In: -257.435+/-278.540 χ^2/NDF:6.9/10

+ sign -1046.246+/-234.589 χ^2/NDF: 56.8/27

All: -759.854+/-163.825 χ^2/NDF: 80.8/57

- 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: 853.927+/-0.200 χ^2/NDF:716385.0/11

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

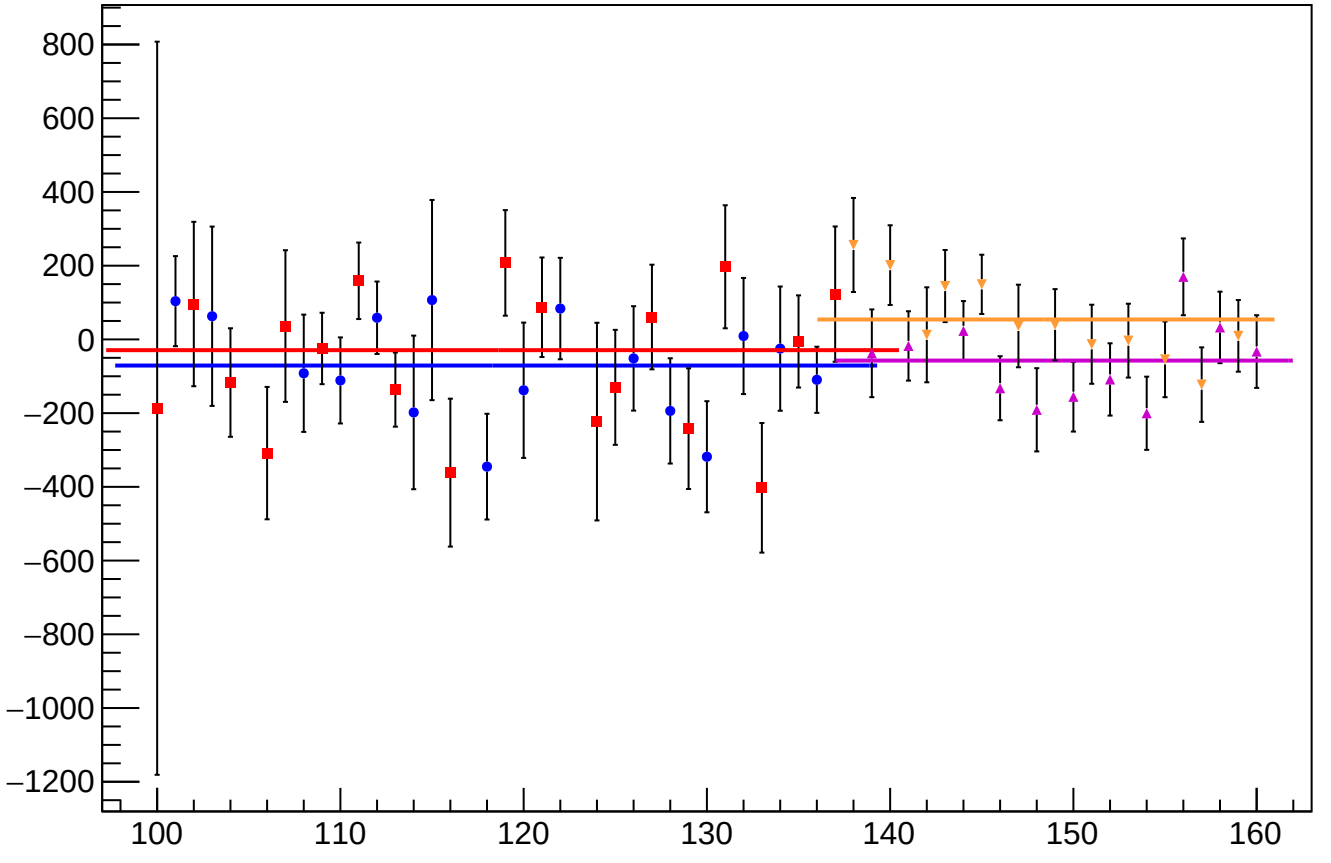
Left In: 843.528+/-0.197 χ^2/NDF:623378.3/10

+ sign 924.613+/-0.166 χ^2/NDF: 2169173.6/27

All: 916.546+/-0.116 χ^2/NDF: 4337864.3/57

- 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: 54.054+/-29.633 χ^2/NDF:11.9/11

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

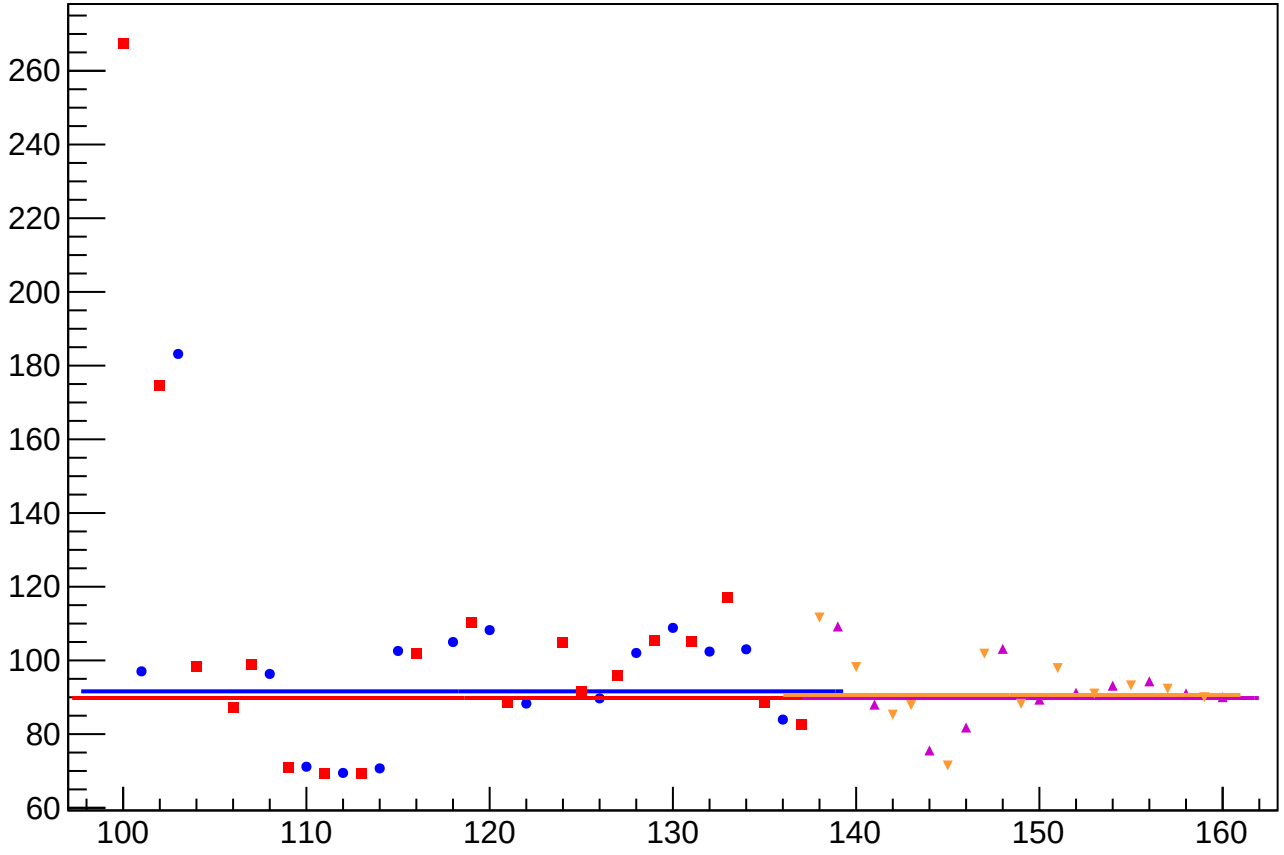
Left In: -57.425+/-29.277 χ^2/NDF:12.4/10

+ sign 2.092+/-22.649 χ^2/NDF: 33.3/27

All: -22.118+/-15.873 χ^2/NDF: 72.4/57

- 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: 90.631+/-0.021 χ^2/NDF:214951.5/11

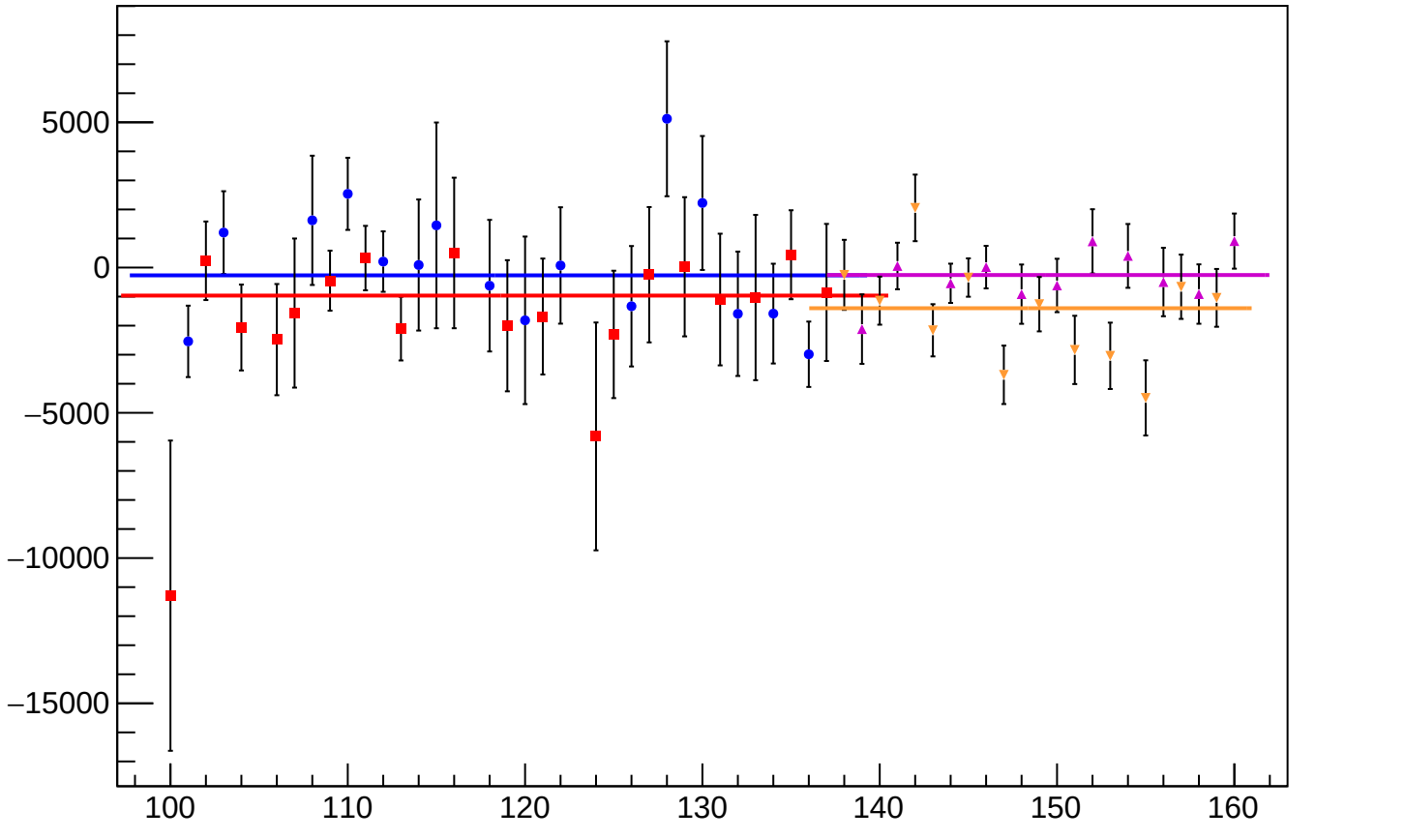
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.795+/-0.021 χ^2/NDF:167667.3/10

+ sign 91.037+/-0.016 χ^2/NDF: 796531.4/27

All: 90.408+/-0.011 χ^2/NDF: 1714068.2/57

- 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: -1399.923+/-282.945 χ^2/NDF:28.4/11

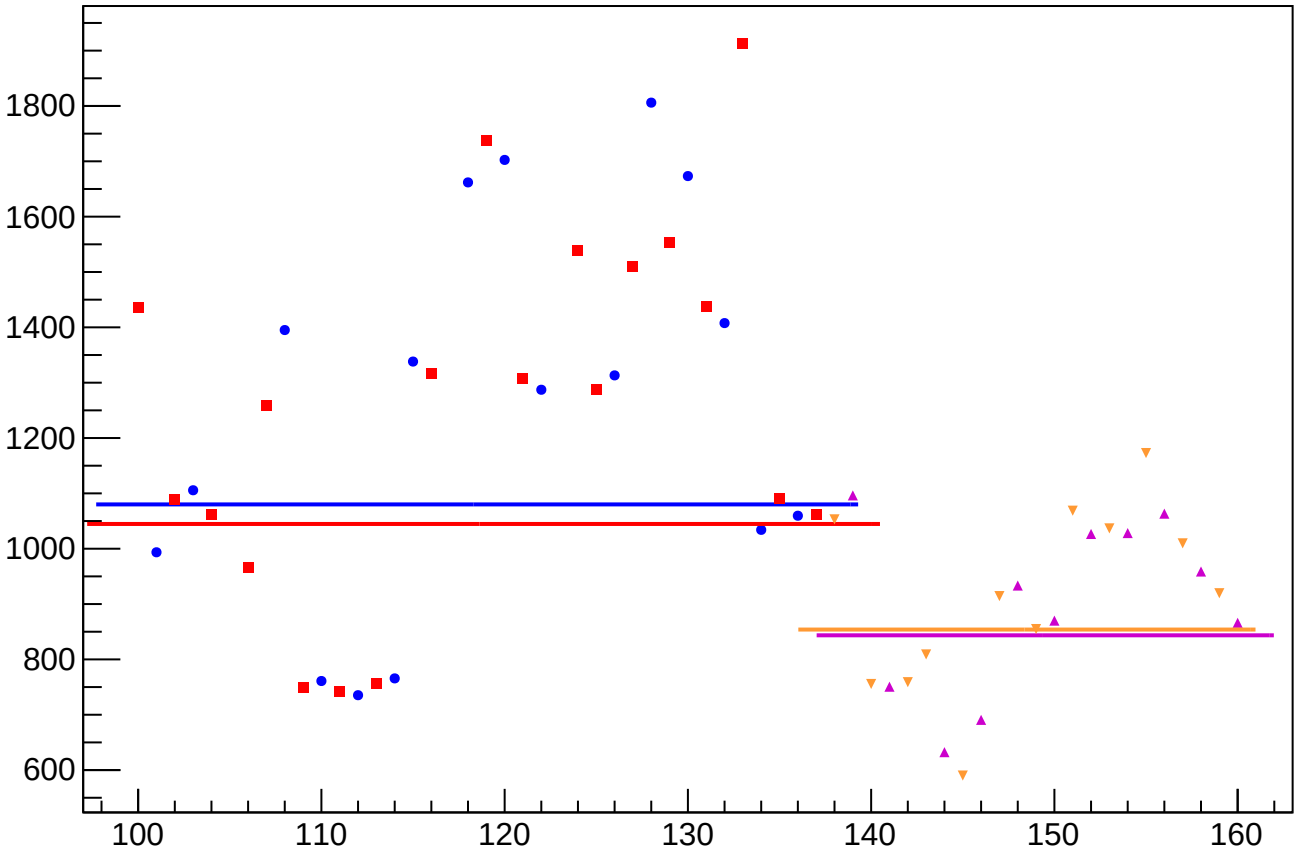
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -257.435+/-278.540 χ^2/NDF:6.9/10

+ sign -1046.246+/-234.589 χ^2/NDF: 56.8/27

All: -759.854+/-163.825 χ^2/NDF: 80.8/57

- 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: 853.927+/-0.200 χ^2/NDF:716385.0/11

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

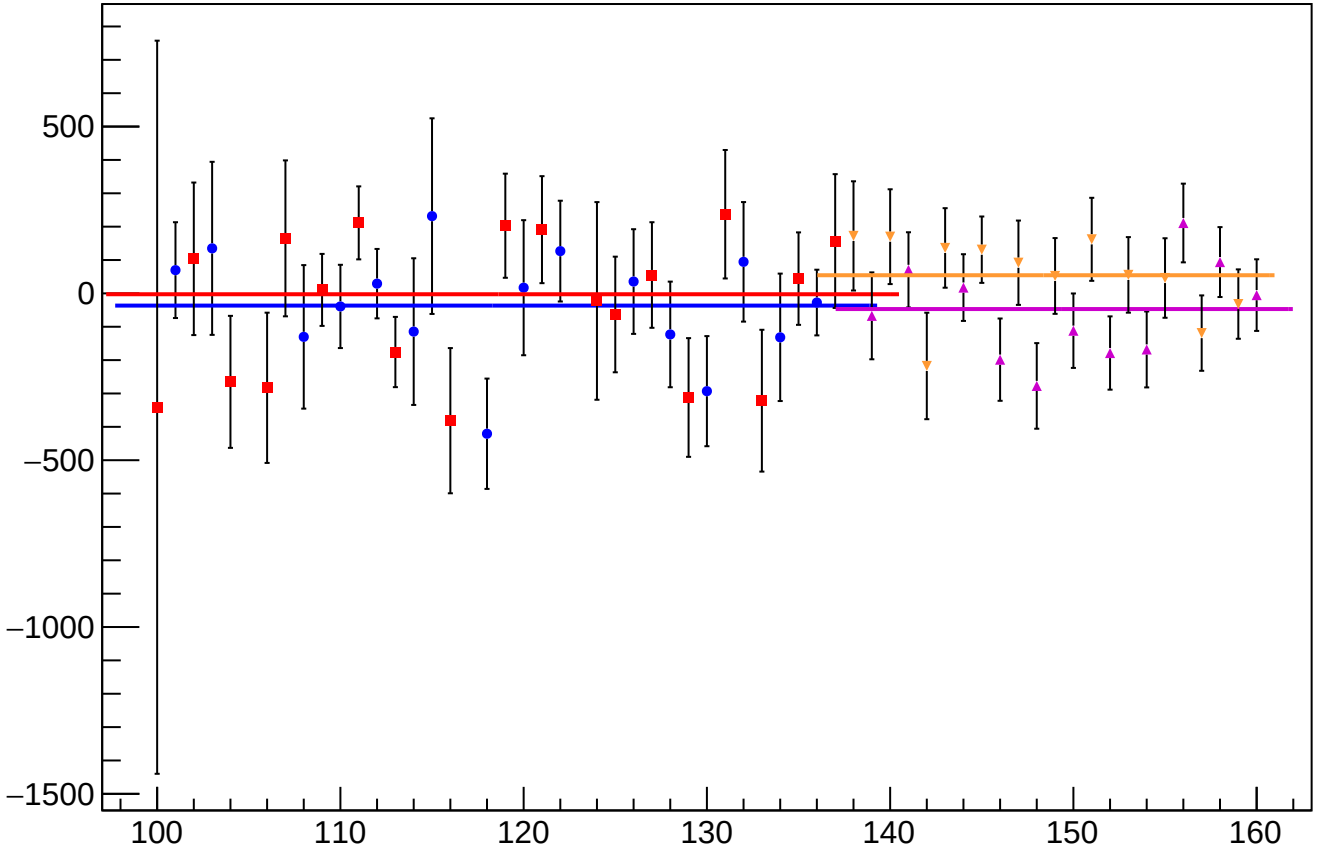
Left In: 843.528+/-0.197 χ^2/NDF:623378.3/10

+ sign 924.613+/-0.166 χ^2/NDF: 2169173.6/27

All: 916.546+/-0.116 χ^2/NDF: 4337864.3/57

- 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: 54.400+/-34.888 χ^2/NDF:9.0/11

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

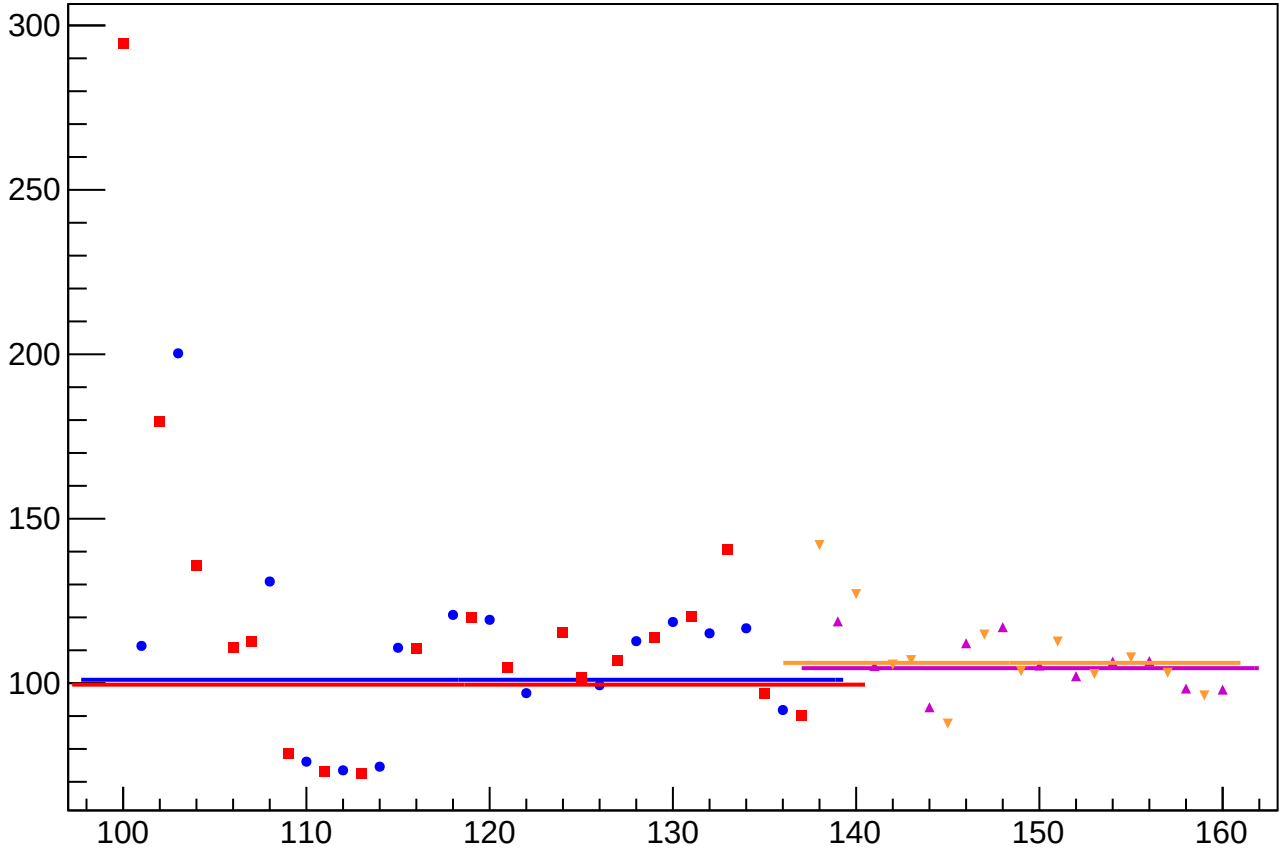
Left In: -46.936+/-34.212 χ^2/NDF:15.9/10

+ sign 13.942+/-26.000 χ^2/NDF: 25.0/27

All: -7.032+/-18.196 χ^2/NDF: 67.6/57

- 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: 106.176+/-0.025 χ^2/NDF:245492.3/11

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

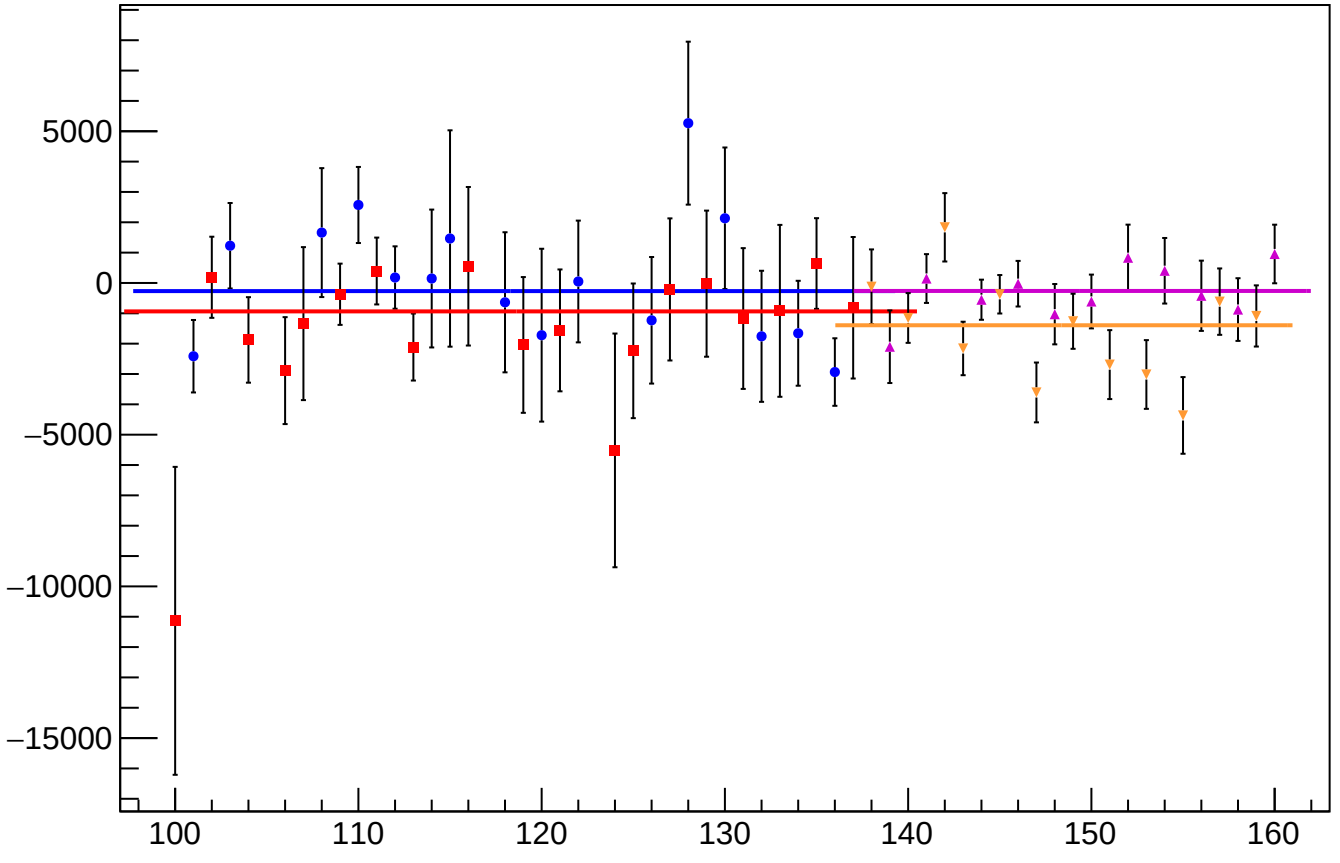
Left In: 104.565+/-0.024 χ^2/NDF:95415.7/10

+ sign 103.889+/-0.018 χ^2/NDF: 980928.2/27

All: 103.093+/-0.013 χ^2/NDF: 1979679.5/57

- 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: -1393.843+/-277.809 χ^2/NDF:27.3/11

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

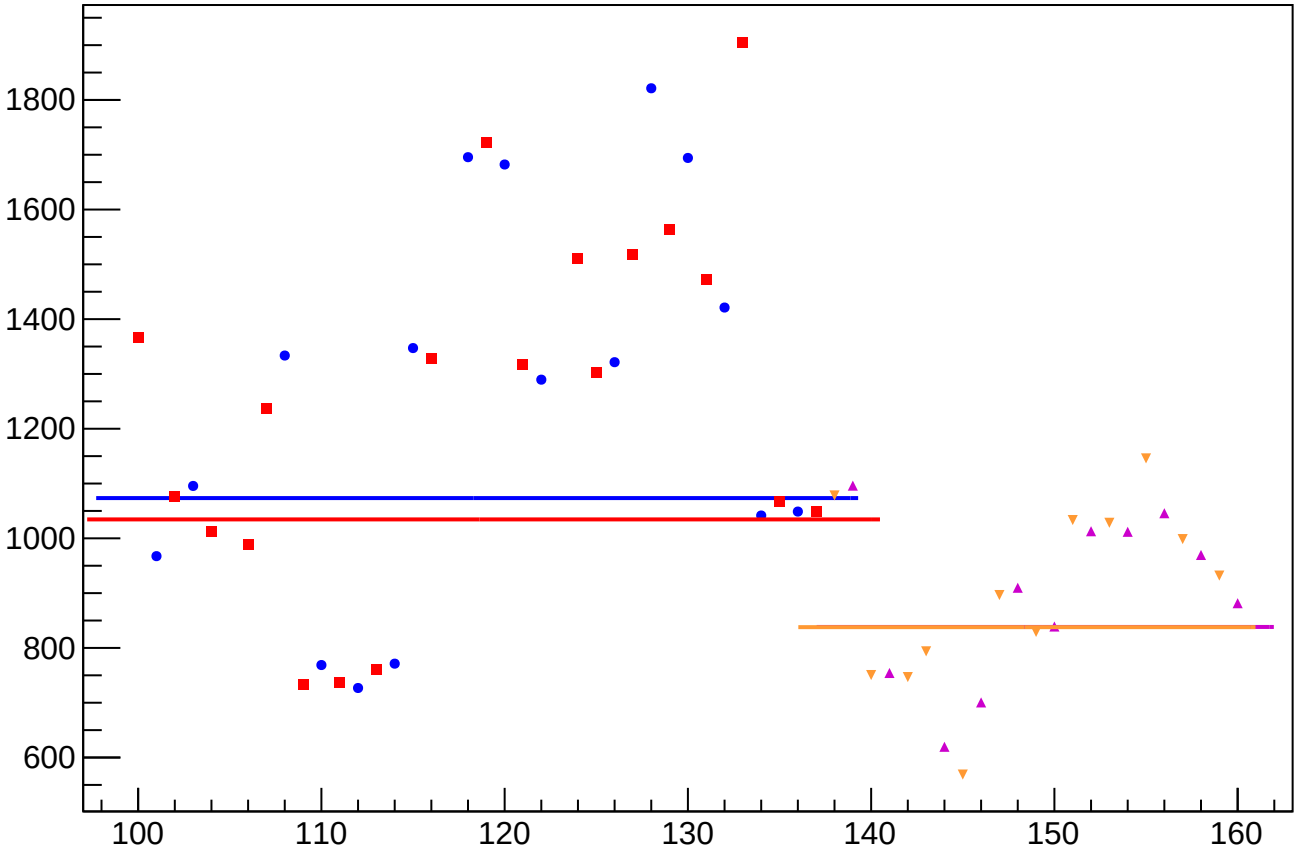
Left In: -263.237+/-276.911 χ^2/NDF:7.0/10

+ sign -1047.796+/-231.210 χ^2/NDF: 55.8/27

All: -760.809+/-161.973 χ^2/NDF: 80.9/57

- sign -484.237+/-226.976 χ^2/NDF: 22.1/29

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 837.913+/-0.196 χ^2/NDF:779816.3/11

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

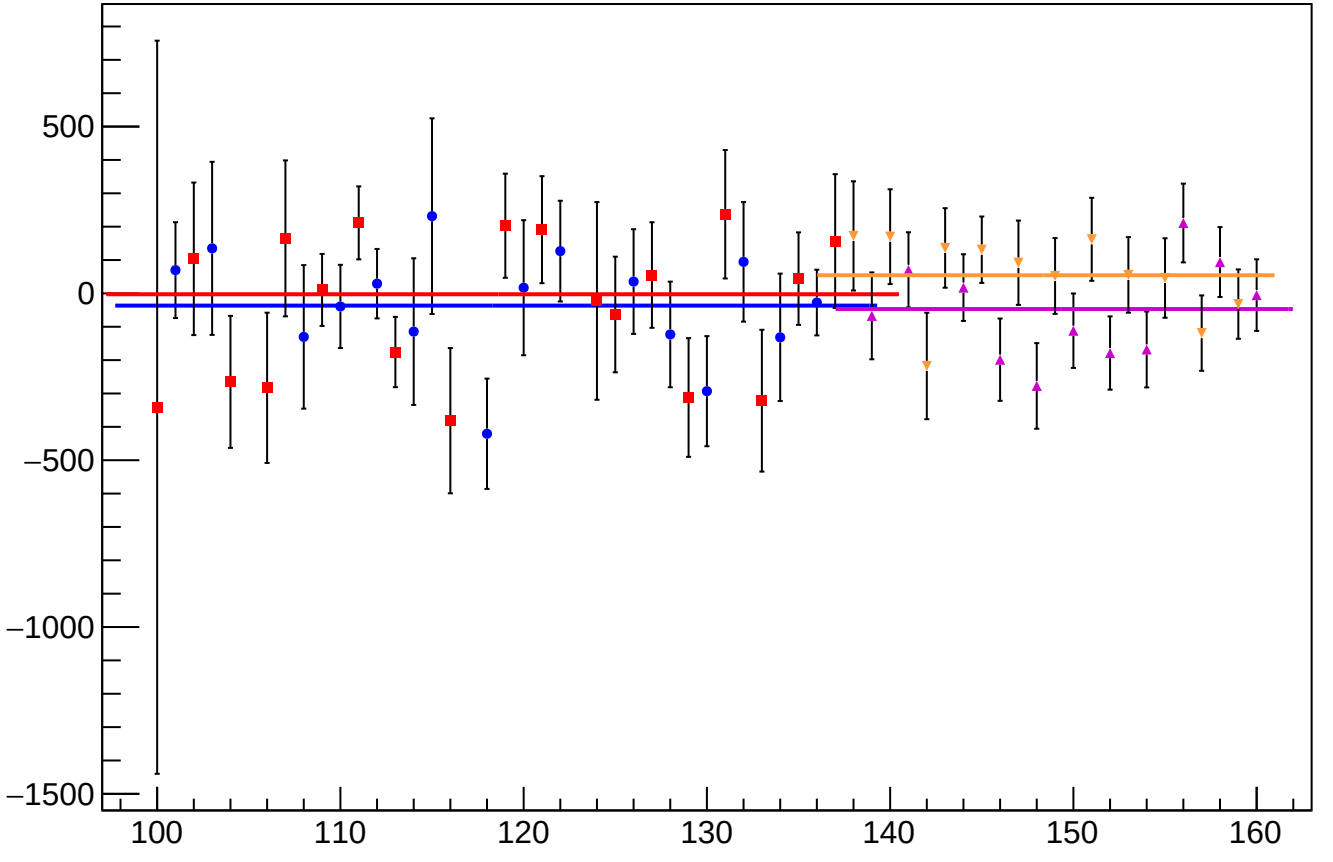
Left In: 838.273+/-0.196 χ^2/NDF:614690.6/10

+ sign 910.304+/-0.163 χ^2/NDF: 2298738.2/27

All: 906.418+/-0.115 χ^2/NDF: 4473551.4/57

- 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: 54.402+/-34.888 χ^2/NDF:9.0/11

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

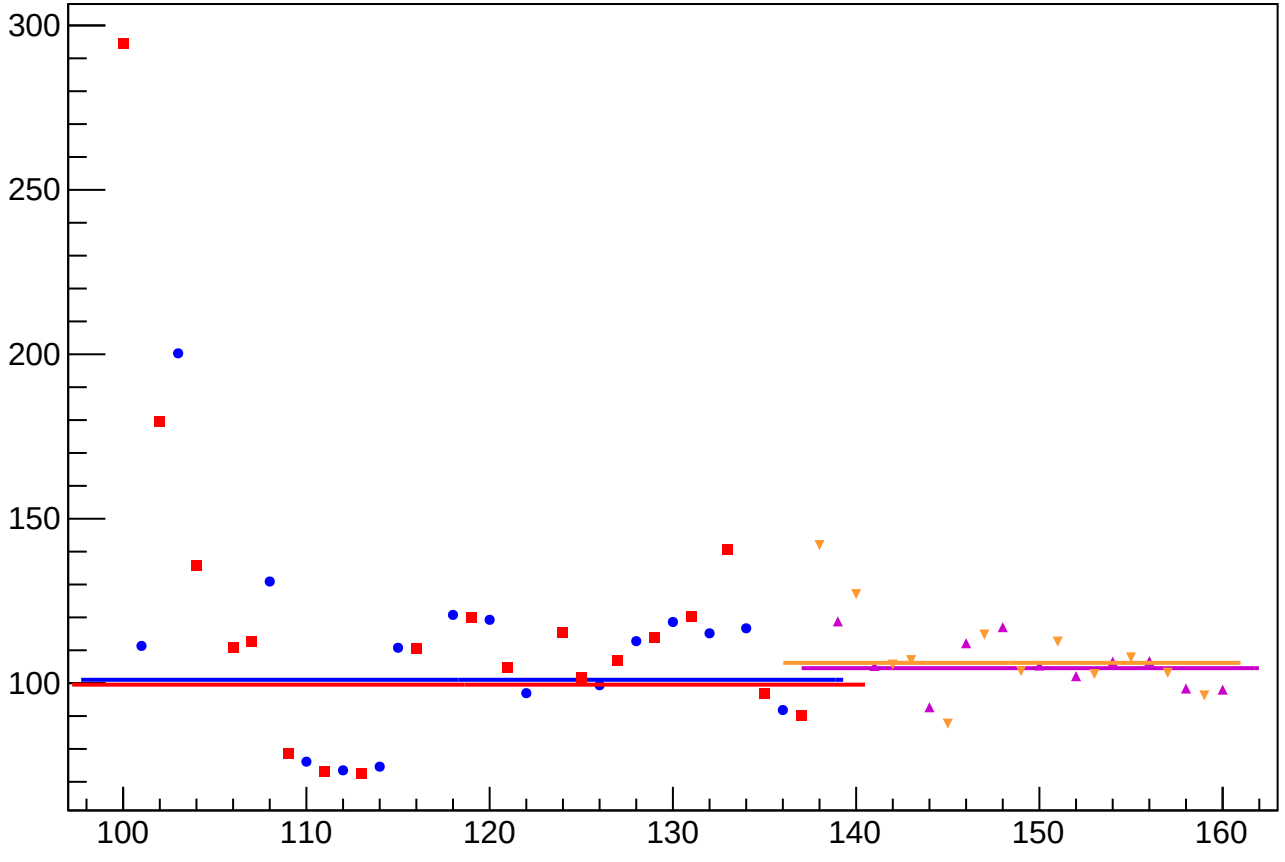
Left In: -46.936+/-34.213 χ^2/NDF:15.9/10

+ sign 13.944+/-26.000 χ^2/NDF: 25.0/27

All: -7.030+/-18.196 χ^2/NDF: 67.6/57

- 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: 106.177+/-0.025 χ^2/NDF:245487.1/11

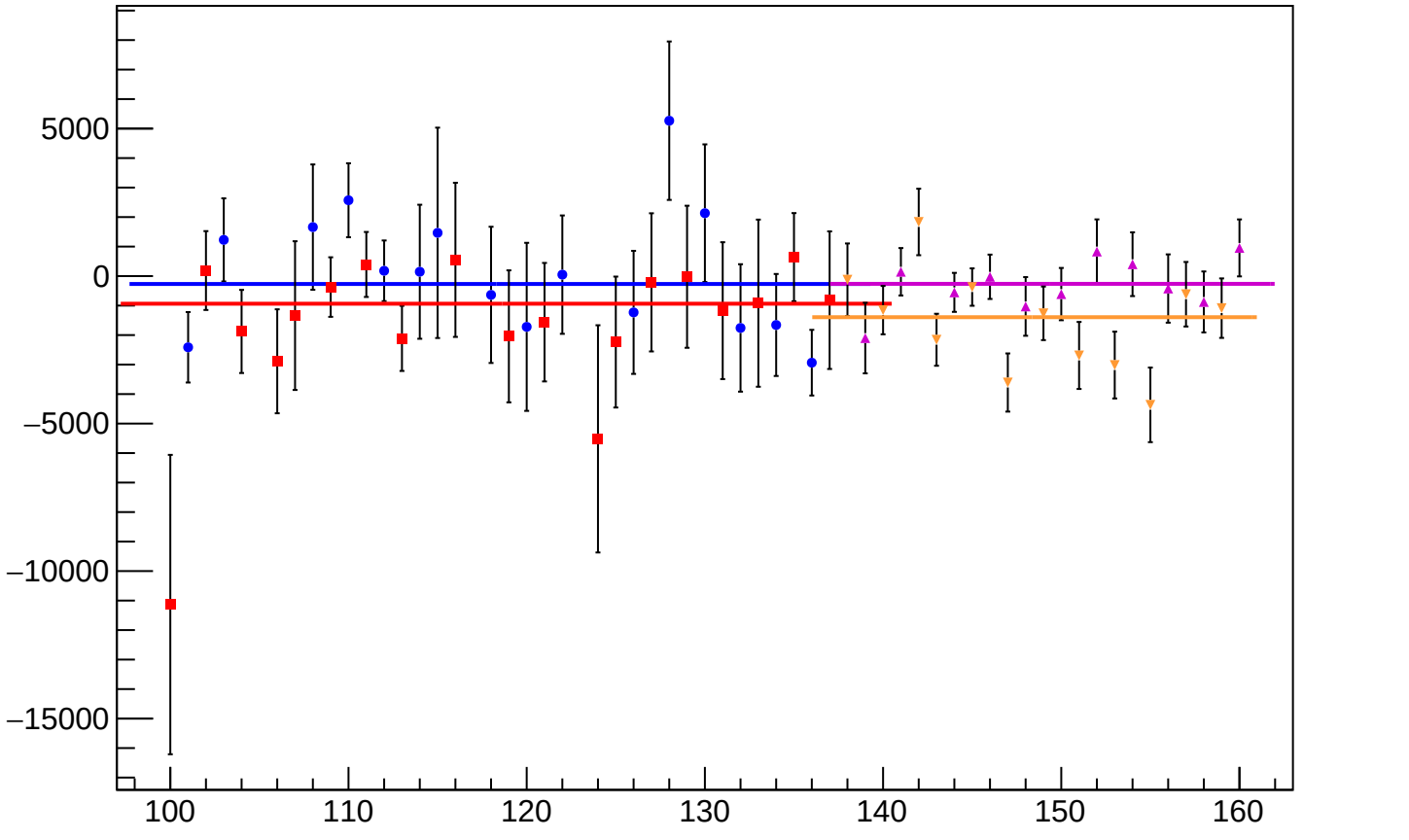
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 104.565+/-0.024 χ^2/NDF:95414.9/10

+ sign 103.889+/-0.018 χ^2/NDF: 980924.0/27

All: 103.093+/-0.013 χ^2/NDF: 1979678.5/57

- 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: -1393.841+/-277.808 χ^2/NDF:27.3/11

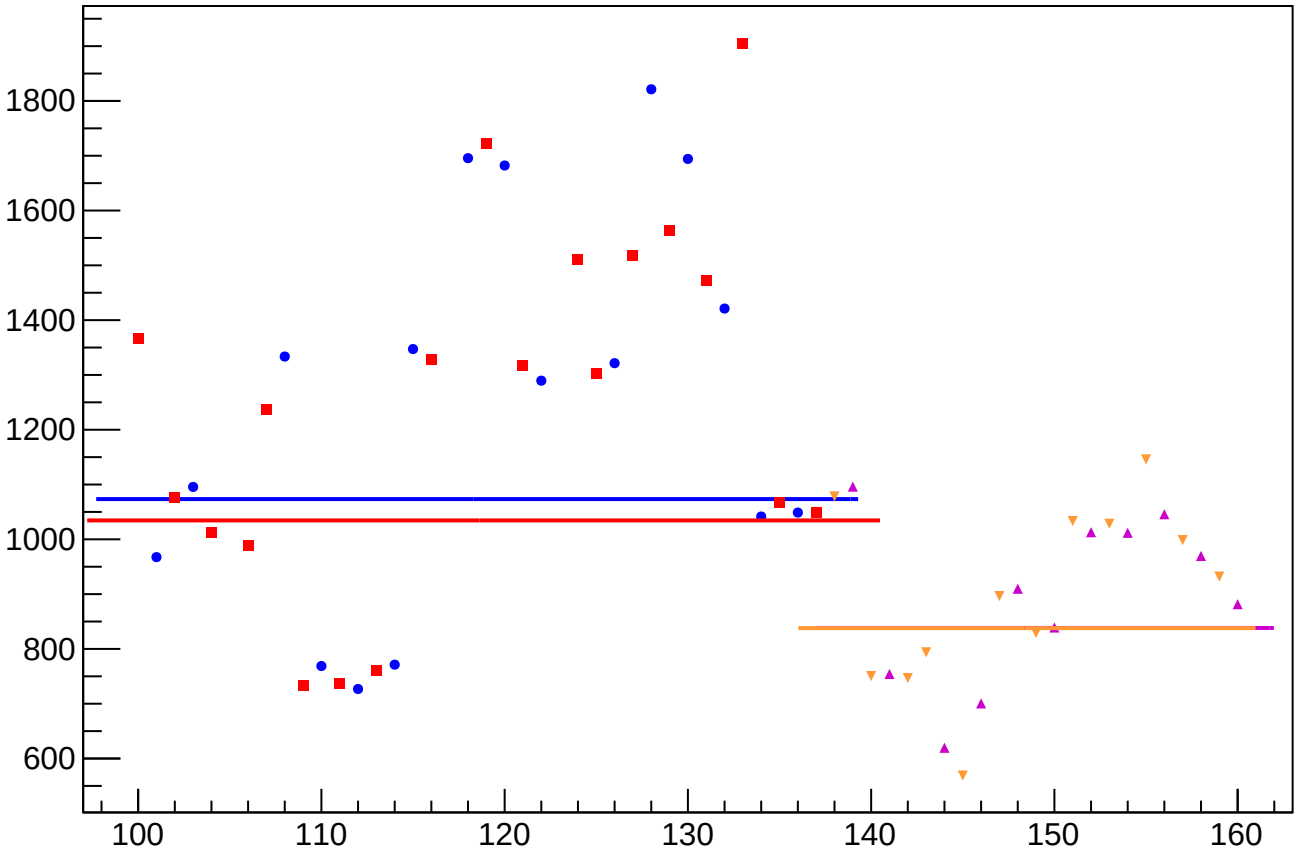
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -263.236+/-276.911 χ^2/NDF:7.0/10

+ sign -1047.794+/-231.210 χ^2/NDF: 55.8/27

All: -760.808+/-161.972 χ^2/NDF: 80.9/57

- 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: 837.912+/-0.196 χ^2/NDF:779819.2/11

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

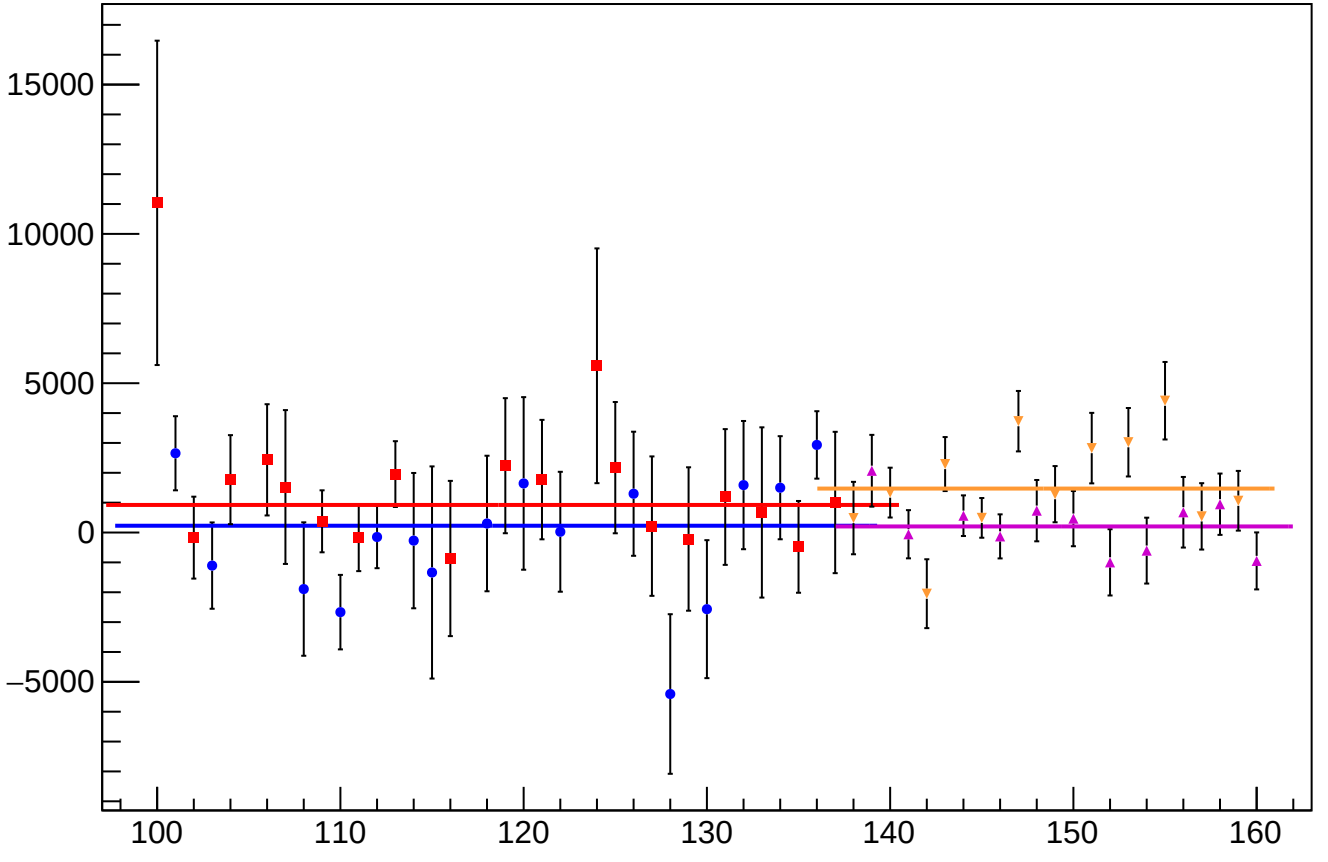
Left In: 838.272+/-0.196 χ^2/NDF:614689.3/10

+ sign 910.302+/-0.163 χ^2/NDF: 2298745.9/27

All: 906.417+/-0.115 χ^2/NDF: 4473558.8/57

- 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: 1471.956+/-284.648 χ^2/NDF:27.2/11

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

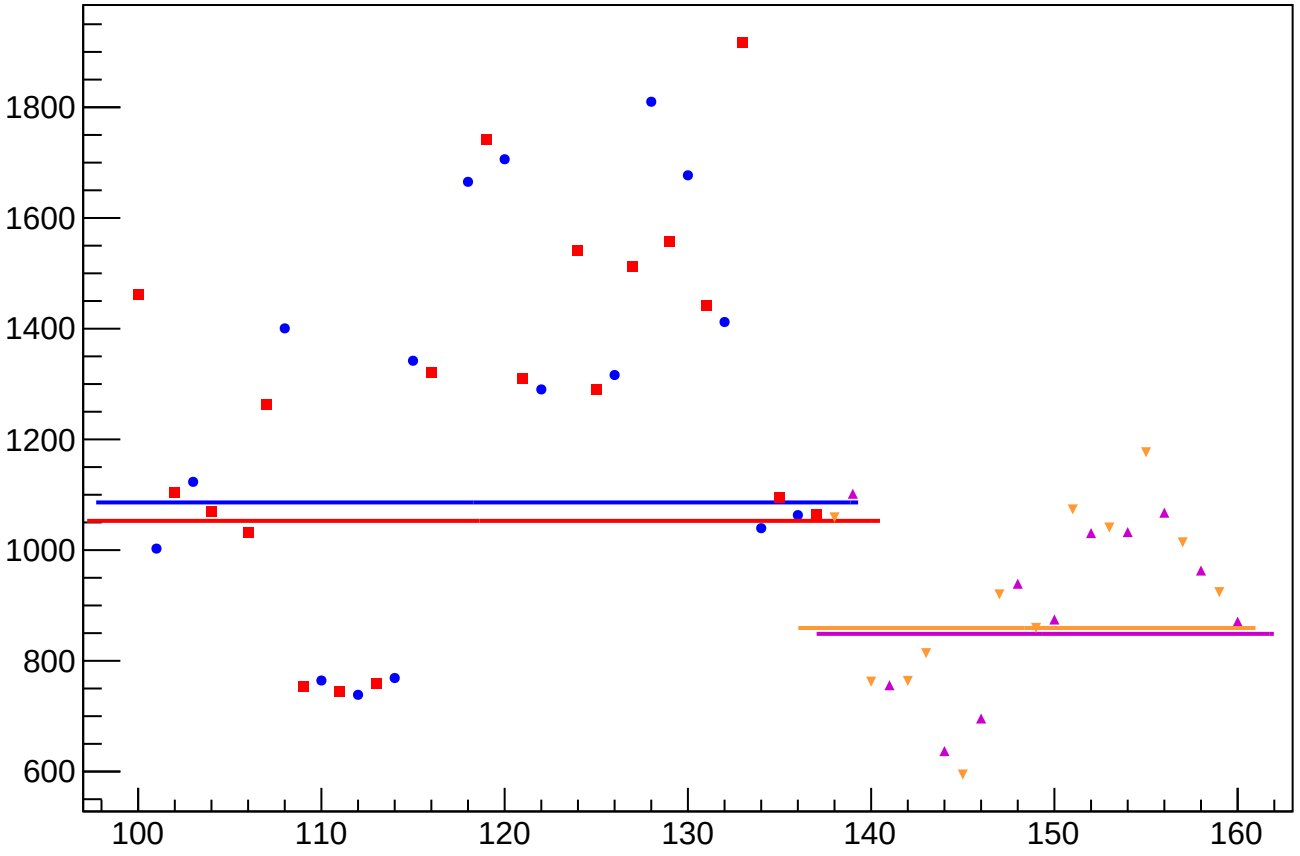
Left In: 203.717+/-280.185 χ^2/NDF:7.2/10

+ sign 1082.604+/-235.954 χ^2/NDF: 57.6/27

All: 752.281+/-164.724 χ^2/NDF: 82.0/57

- 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: 859.296+/-0.201 χ^2/NDF:707171.7/11

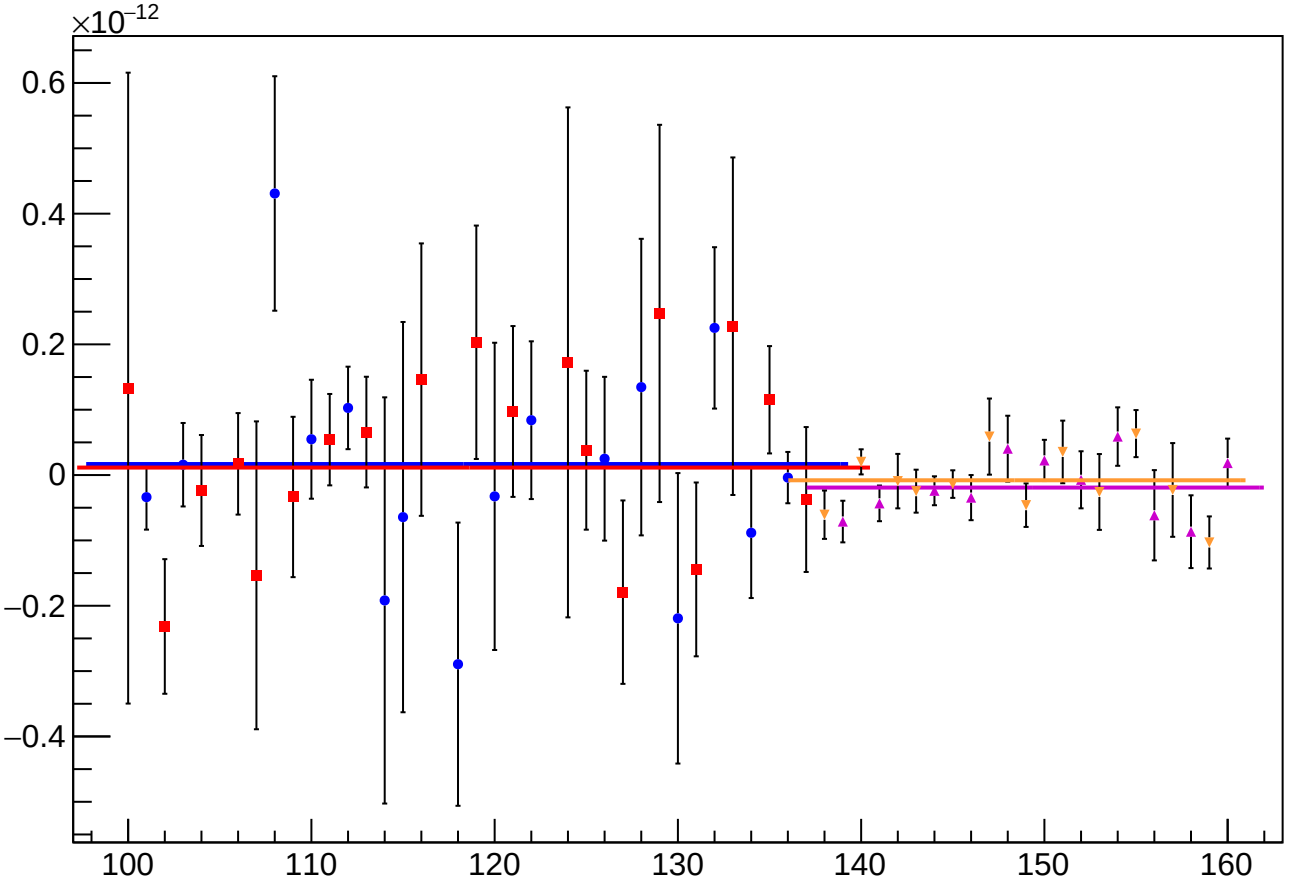
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 848.710+/-0.198 χ^2/NDF:615563.0/10

+ sign 930.268+/-0.167 χ^2/NDF: 2152045.0/27

All: 922.545+/-0.116 χ^2/NDF: 4311987.5/57

- 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:17.7/11

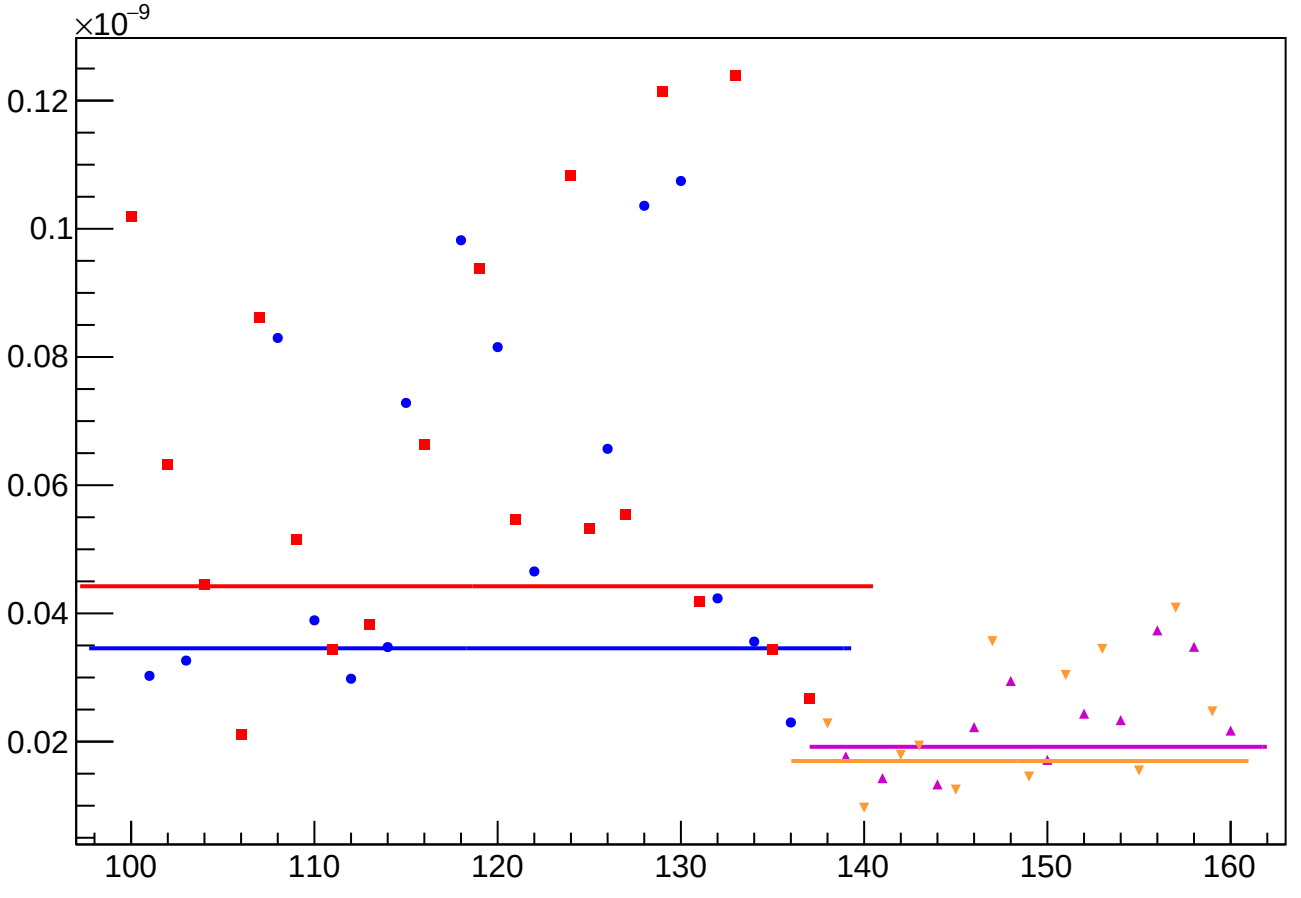
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.7/27

All: -0.000+/-0.000 χ^2/NDF: 66.2/57

- 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:1295911.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

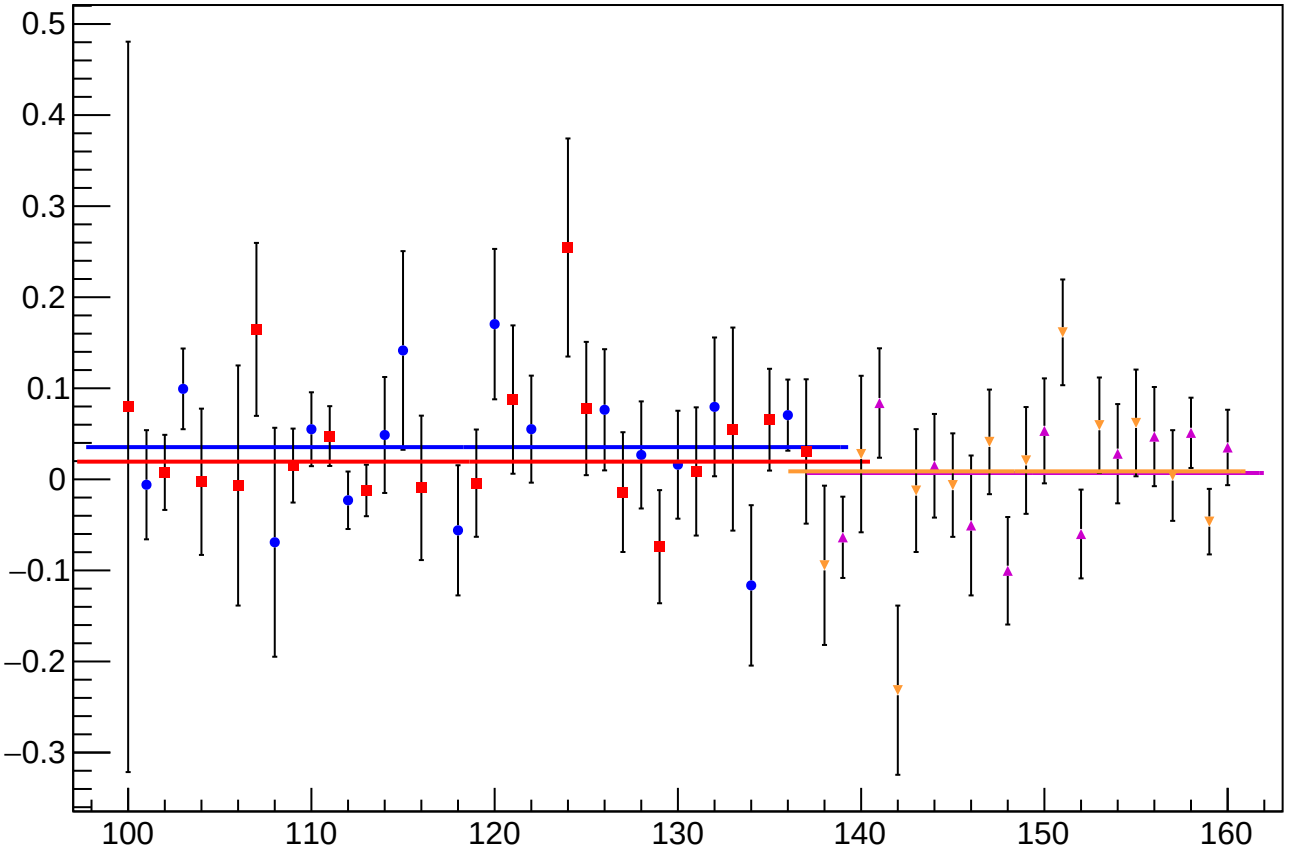
Left In: 0.000+/-0.000 χ^2/NDF:665836.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 3570148.8/27

All: 0.000+/-0.000 χ^2/NDF: 6893086.2/57

- 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: 0.009+/-0.017 χ^2/NDF:19.7/11

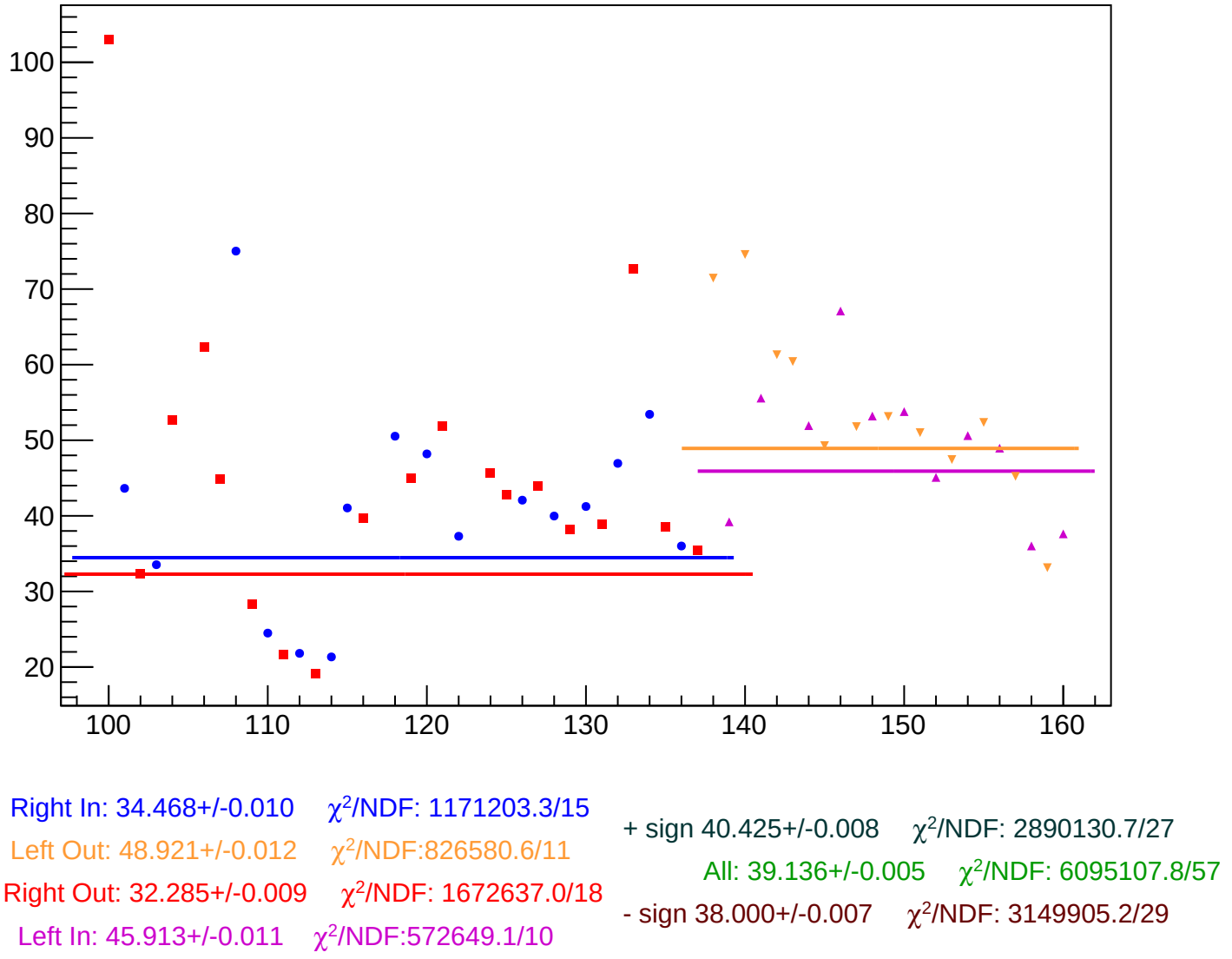
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

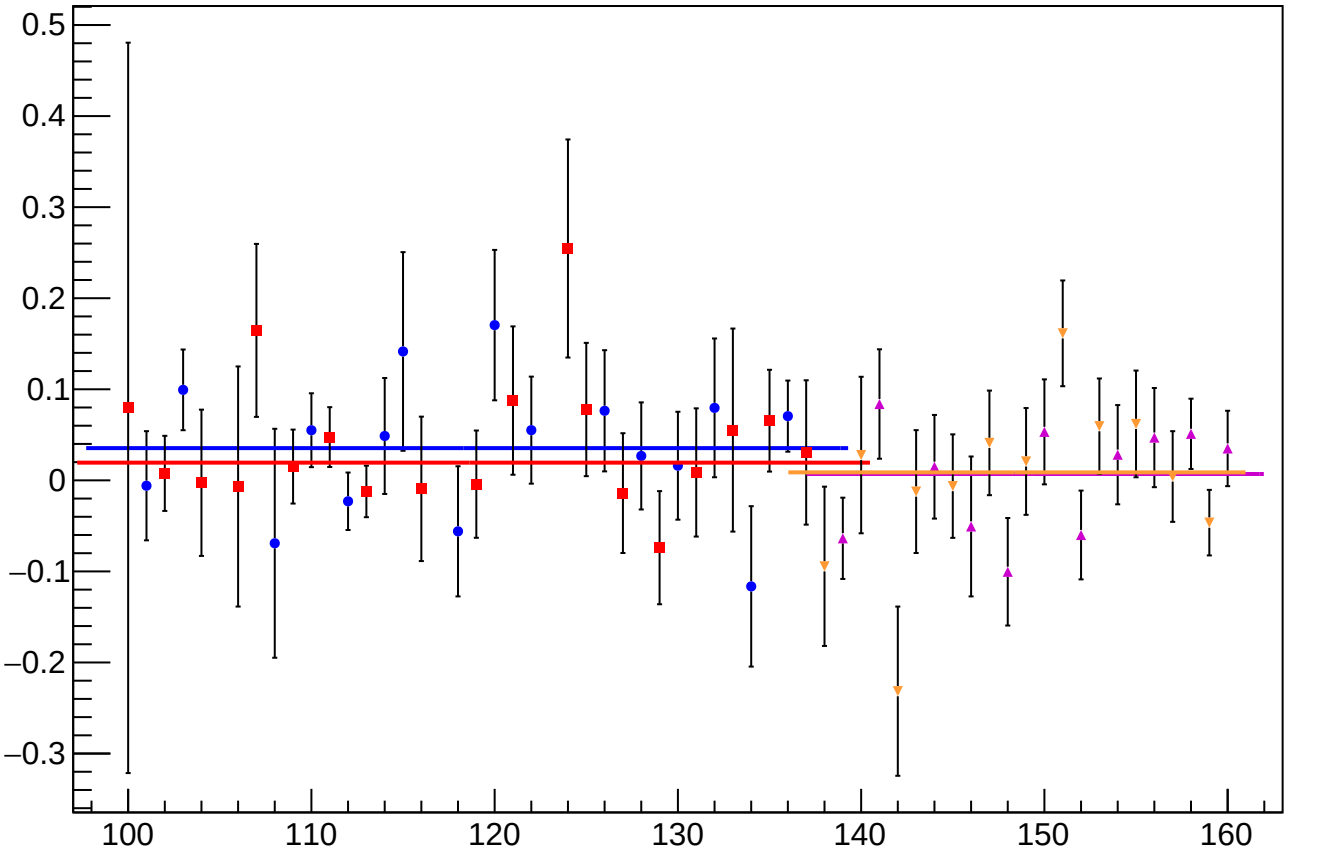
Left In: 0.007+/-0.015 χ^2/NDF:13.0/10

+ sign 0.024+/-0.011 χ^2/NDF: 38.2/27

All: 0.019+/-0.007 χ^2/NDF: 65.4/57

- 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: 48.921+/-0.012 χ²/NDF:826580.6/11
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 45.913+/-0.011 χ²/NDF:572649.1/10
+ sign 40.425+/-0.008 χ²/NDF: 2890130.7/27
All: 39.136+/-0.005 χ²/NDF: 6095107.8/57
- sign 38.000+/-0.007 χ²/NDF: 3149905.2/29



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.017 χ^2/NDF:19.7/11

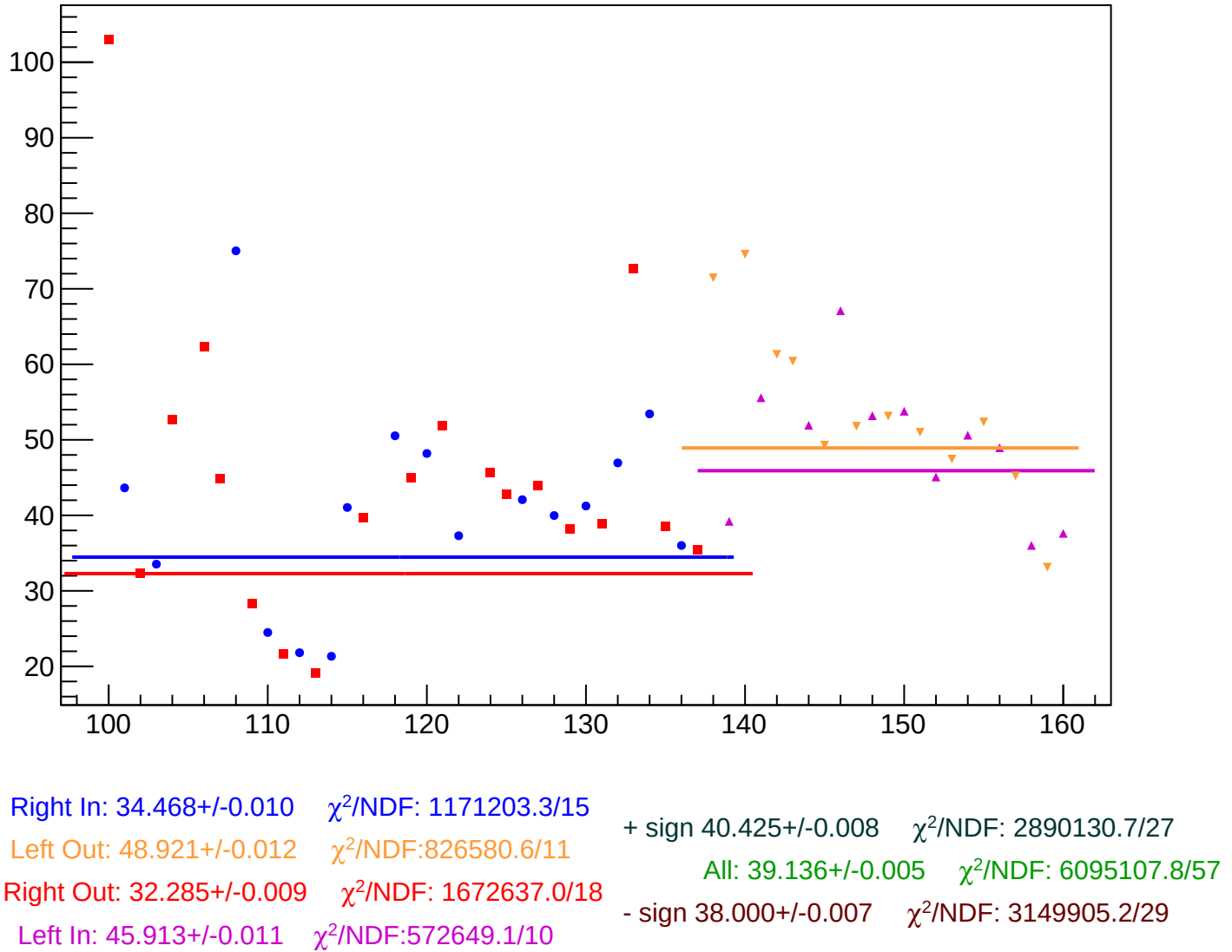
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

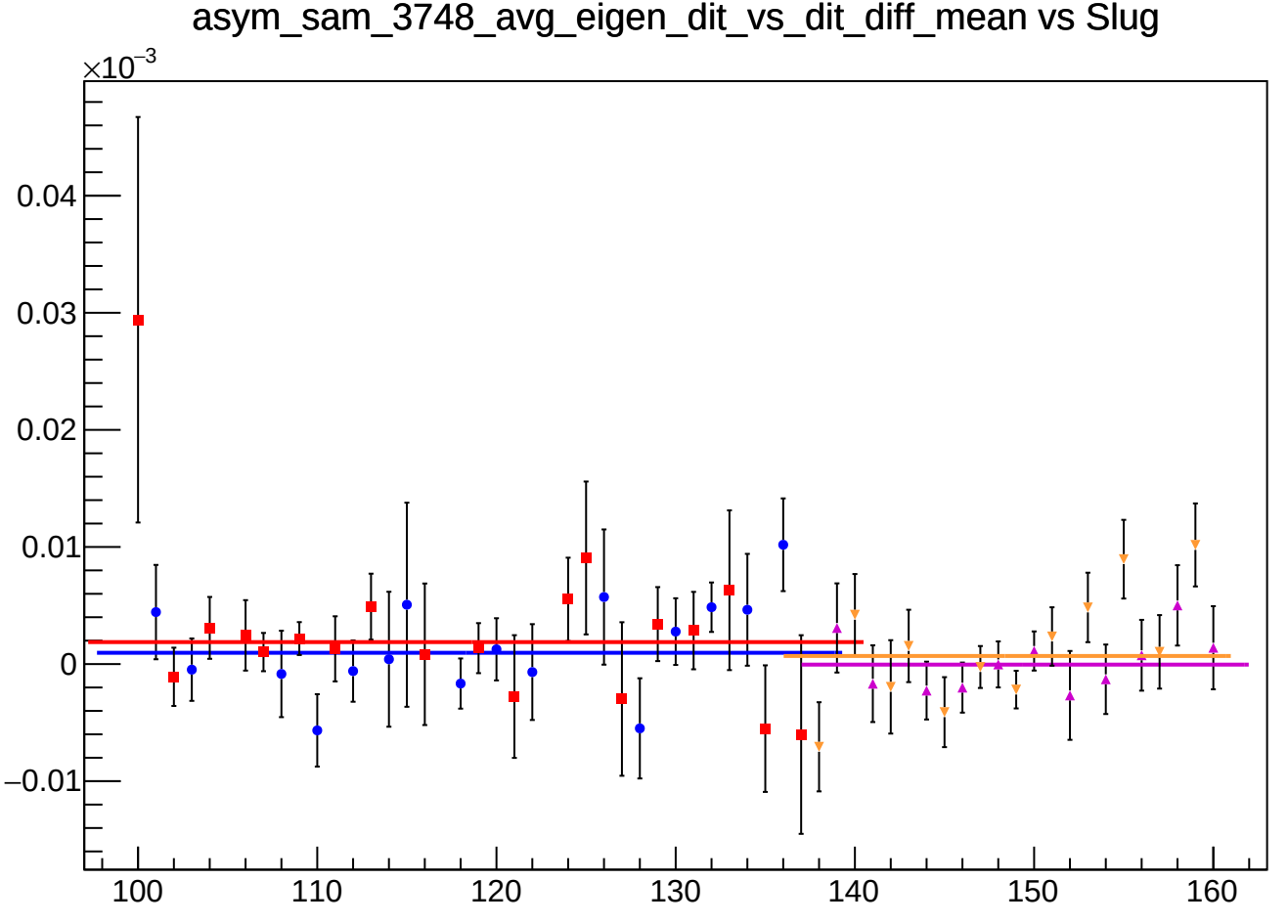
Left In: 0.007+/-0.015 χ^2/NDF:13.0/10

+ sign 0.024+/-0.011 χ^2/NDF: 38.2/27

All: 0.019+/-0.007 χ^2/NDF: 65.4/57

- sign 0.014+/-0.010 χ^2/NDF: 26.8/29


asym_sam_3748_avg_dit_vs_eigen_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: 48.921+/-0.012 χ²/NDF:826580.6/11
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 45.913+/-0.011 χ²/NDF:572649.1/10
+ sign 40.425+/-0.008 χ²/NDF: 2890130.7/27
All: 39.136+/-0.005 χ²/NDF: 6095107.8/57
- sign 38.000+/-0.007 χ²/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:27.4/11

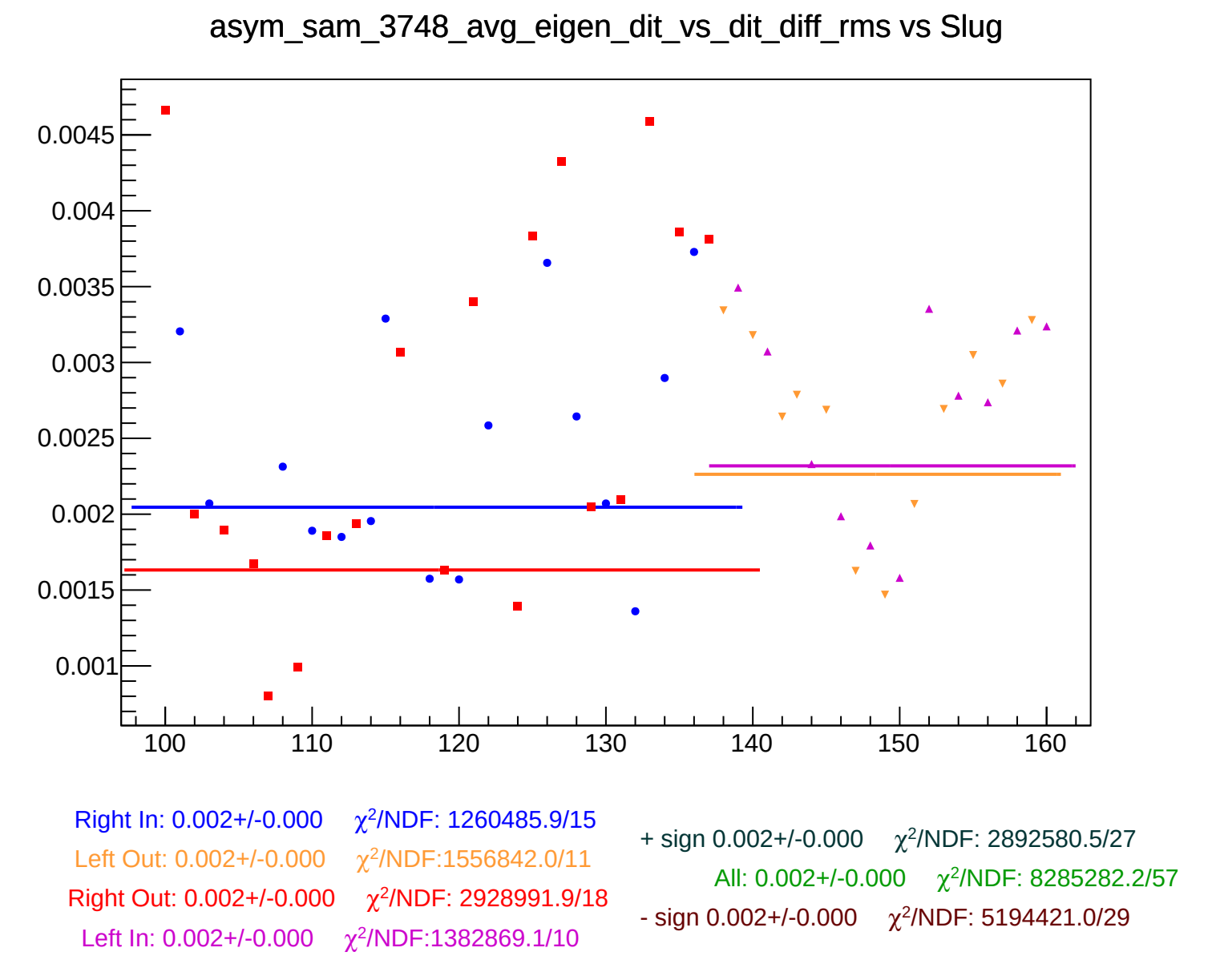
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

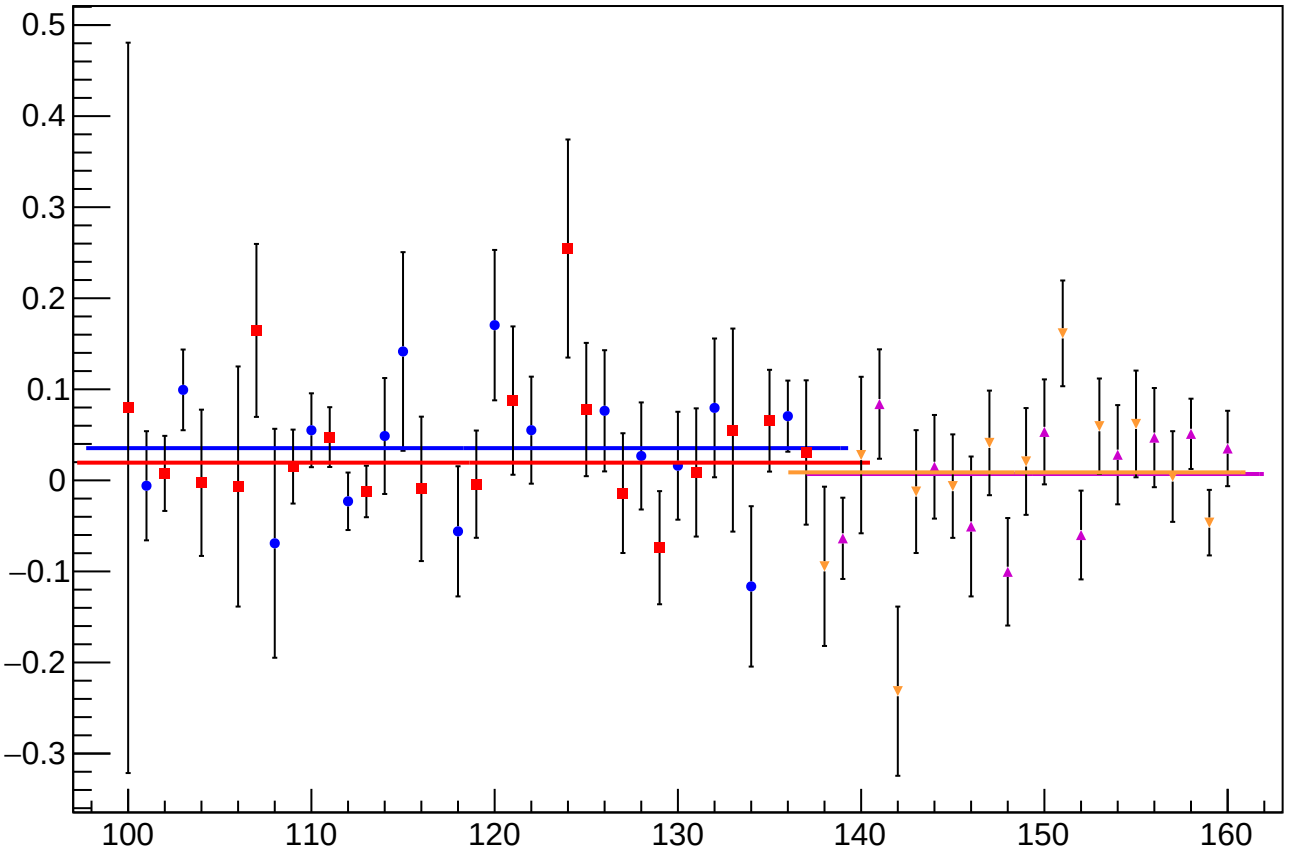
Left In: -0.000+/-0.000 χ^2/NDF:6.1/10

+ sign 0.000+/-0.000 χ^2/NDF: 48.3/27

All: 0.000+/-0.000 χ^2/NDF: 70.9/57

- 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:1556842.0/11
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: 2892580.5/27
All: 0.002+/-0.000 χ²/NDF: 8285282.2/57
- sign 0.002+/-0.000 χ²/NDF: 5194421.0/29



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.017 χ^2/NDF:19.7/11

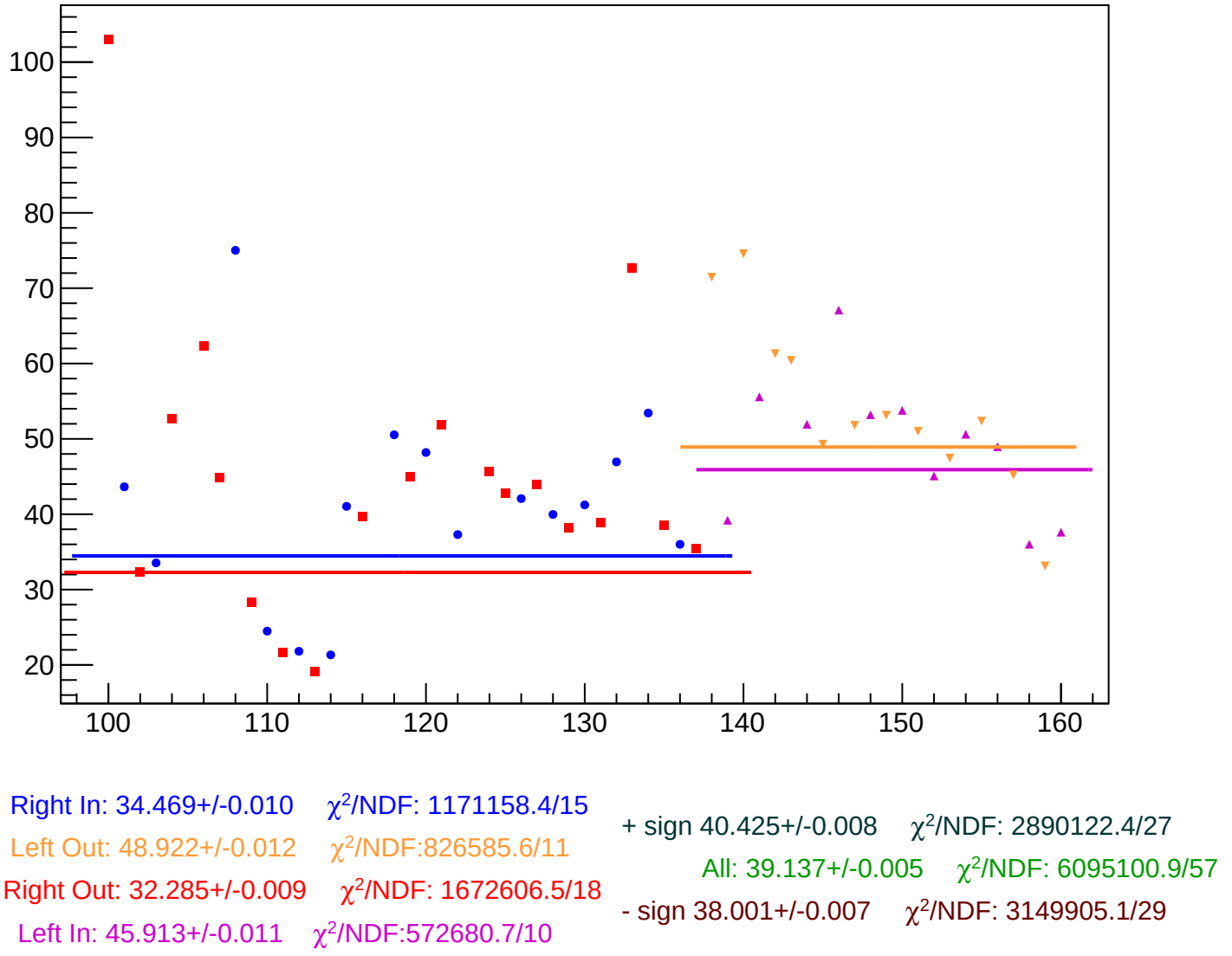
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

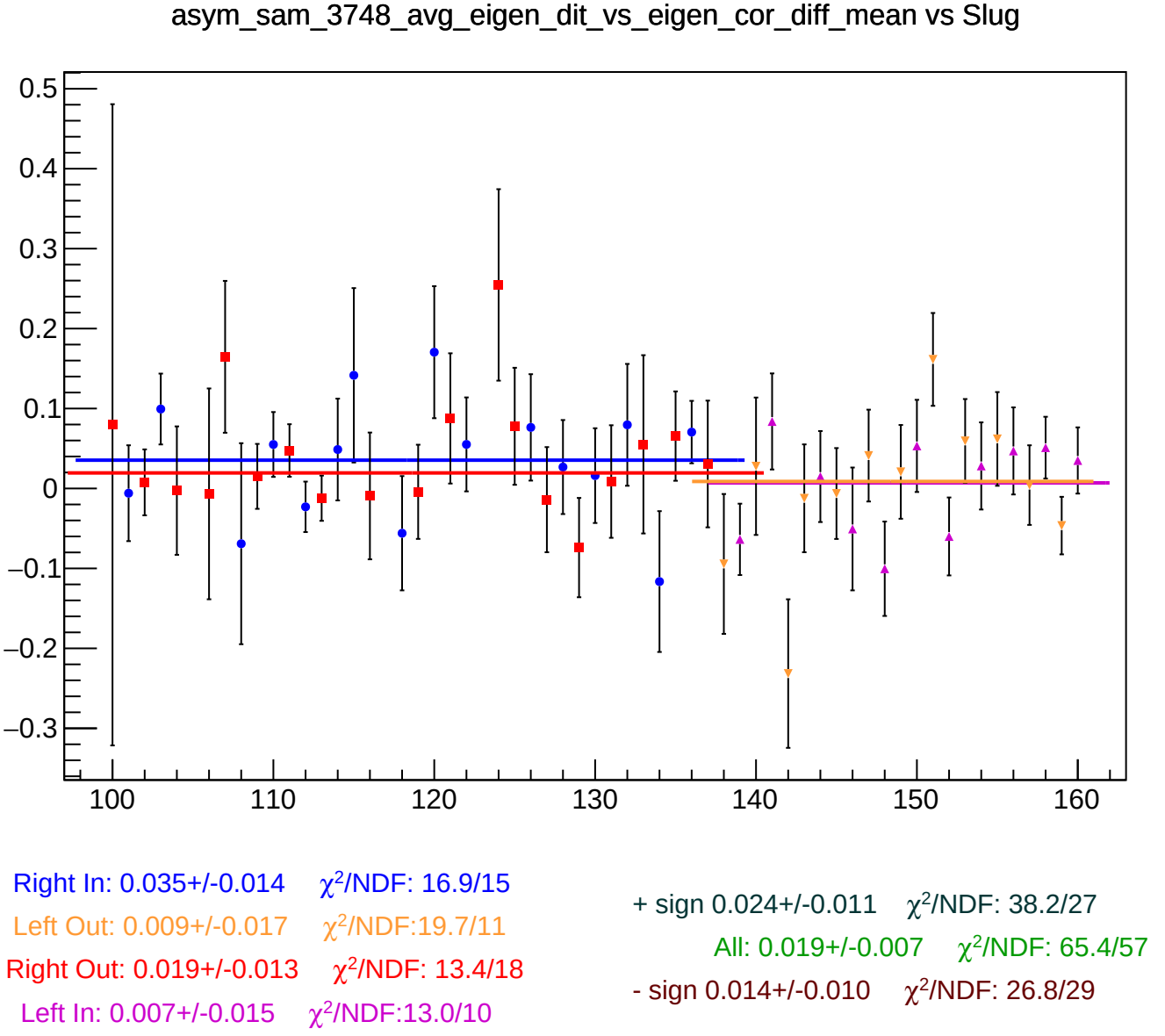
Left In: 0.007+/-0.015 χ^2/NDF:13.0/10

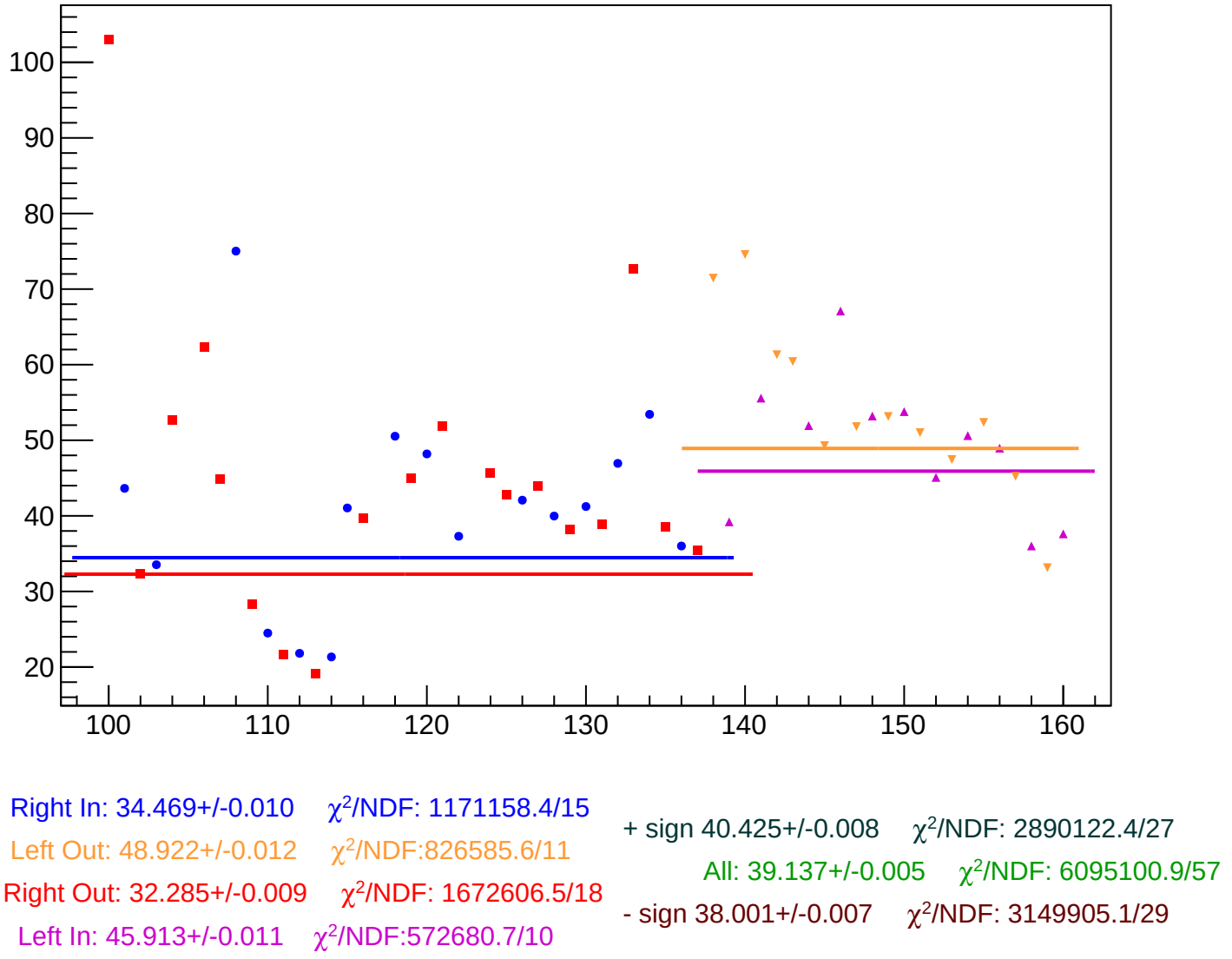
+ sign 0.024+/-0.011 χ^2/NDF: 38.2/27

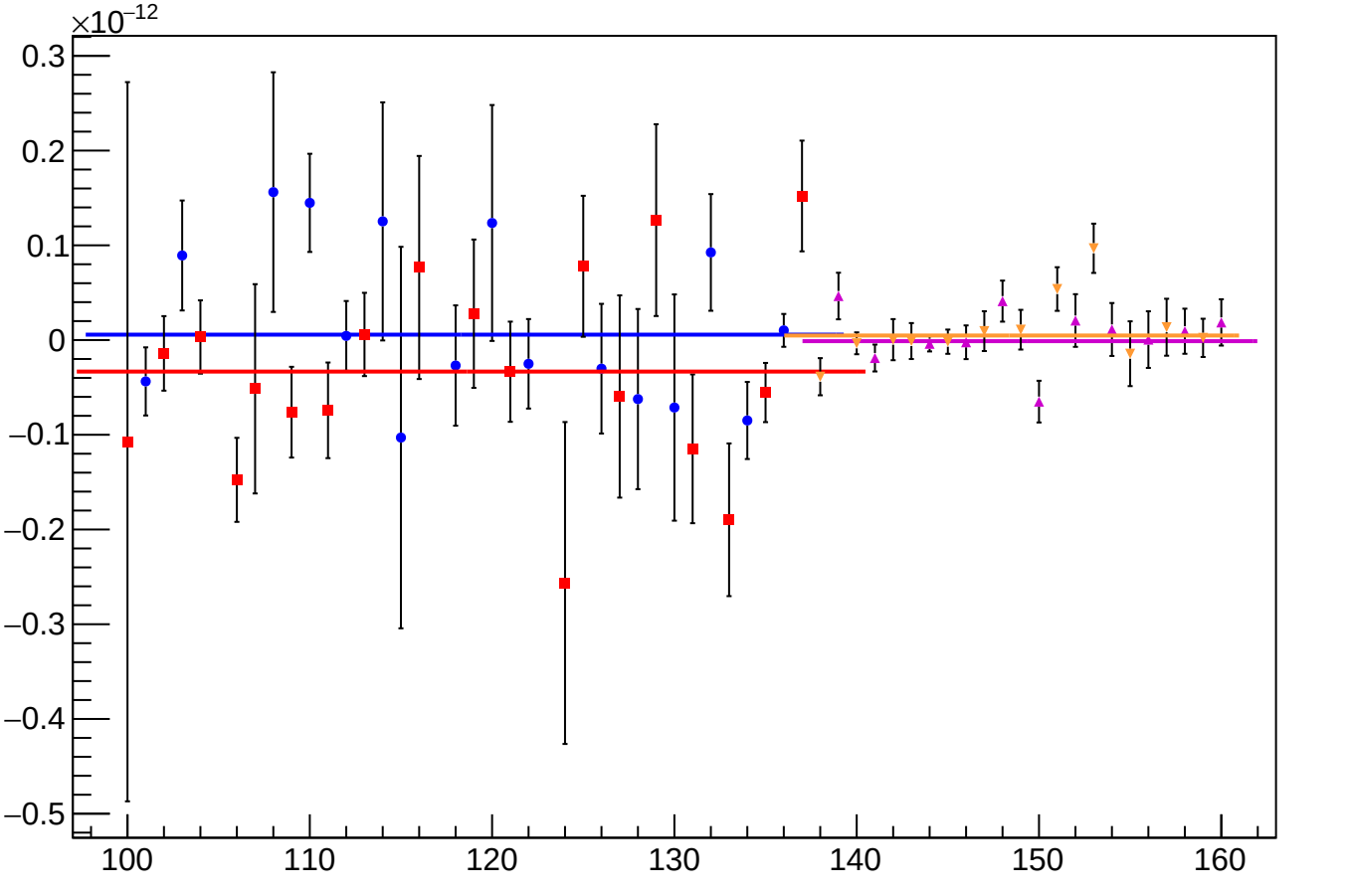
All: 0.019+/-0.007 χ^2/NDF: 65.4/57

- sign 0.014+/-0.010 χ^2/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: 48.922+/-0.012 χ²/NDF:826585.6/11
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 45.913+/-0.011 χ²/NDF:572680.7/10
+ sign 40.425+/-0.008 χ²/NDF: 2890122.4/27
All: 39.137+/-0.005 χ²/NDF: 6095100.9/57
- sign 38.001+/-0.007 χ²/NDF: 3149905.1/29


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.009+/-0.017 χ²/NDF:19.7/11
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: 0.007+/-0.015 χ²/NDF:13.0/10
+ sign 0.024+/-0.011 χ²/NDF: 38.2/27
All: 0.019+/-0.007 χ²/NDF: 65.4/57
- sign 0.014+/-0.010 χ²/NDF: 26.8/29


asym_sam_3748_avg_eigen_dit_vs_eigen_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: 48.922+/-0.012 χ²/NDF:826585.6/11
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 45.913+/-0.011 χ²/NDF:572680.7/10
+ sign 40.425+/-0.008 χ²/NDF: 2890122.4/27
All: 39.137+/-0.005 χ²/NDF: 6095100.9/57
- 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:23.4/11

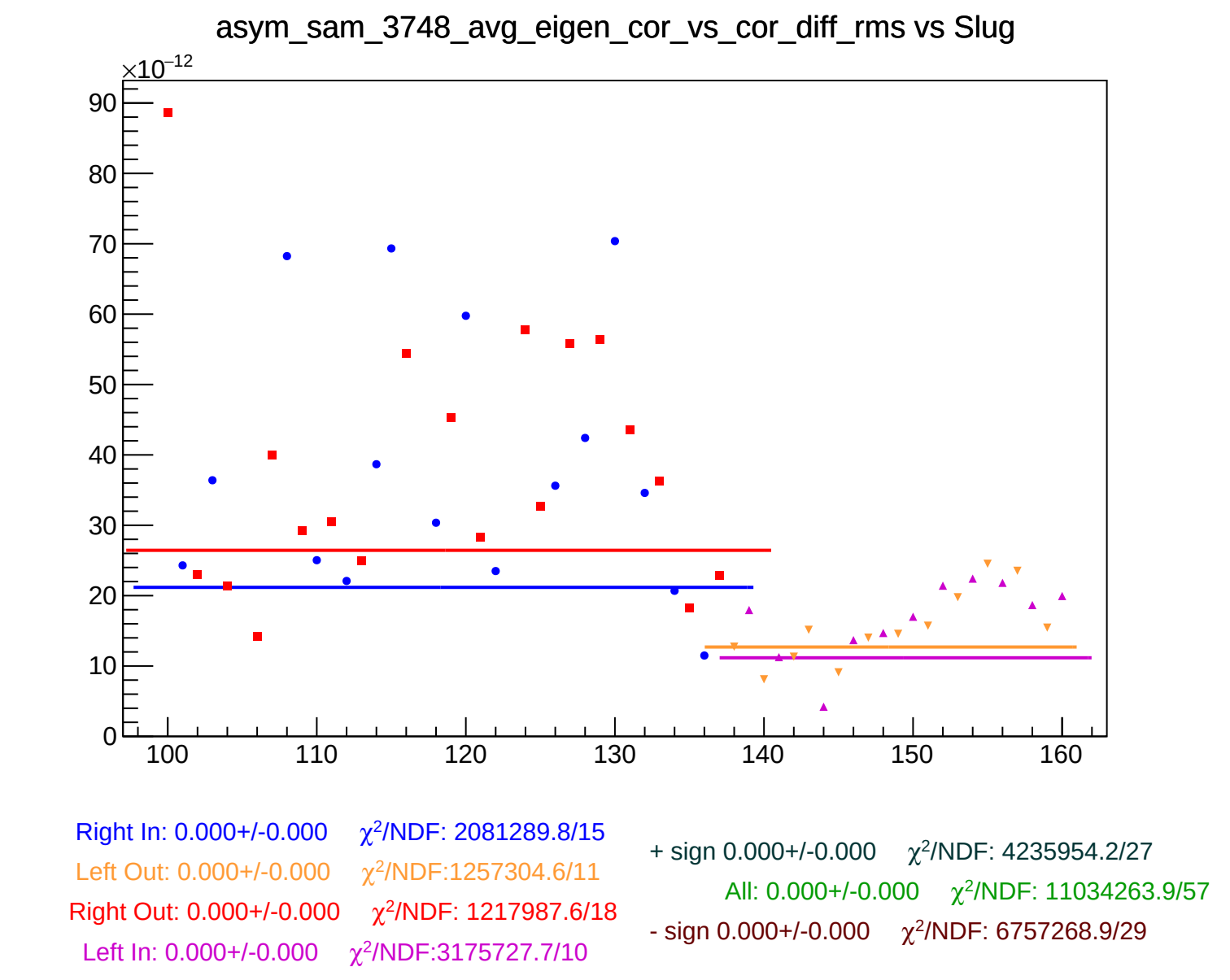
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/10

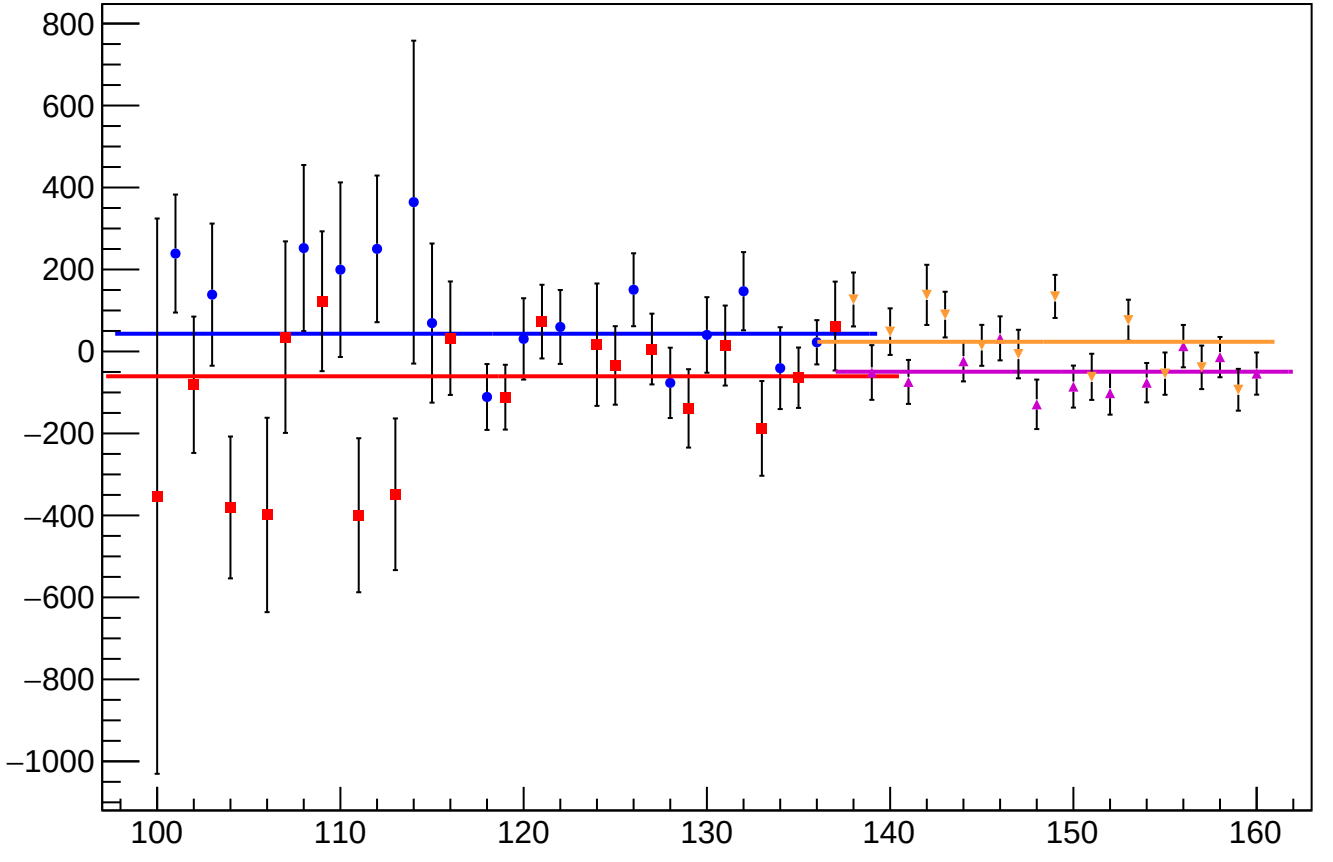
+ sign 0.000+/-0.000 χ^2/NDF: 47.0/27

All: -0.000+/-0.000 χ^2/NDF: 107.4/57

- 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:1257304.6/11
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: 4235954.2/27
All: 0.000+/-0.000 χ²/NDF: 11034263.9/57
- 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: 23.623+/-15.957 χ^2/NDF:23.6/11

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

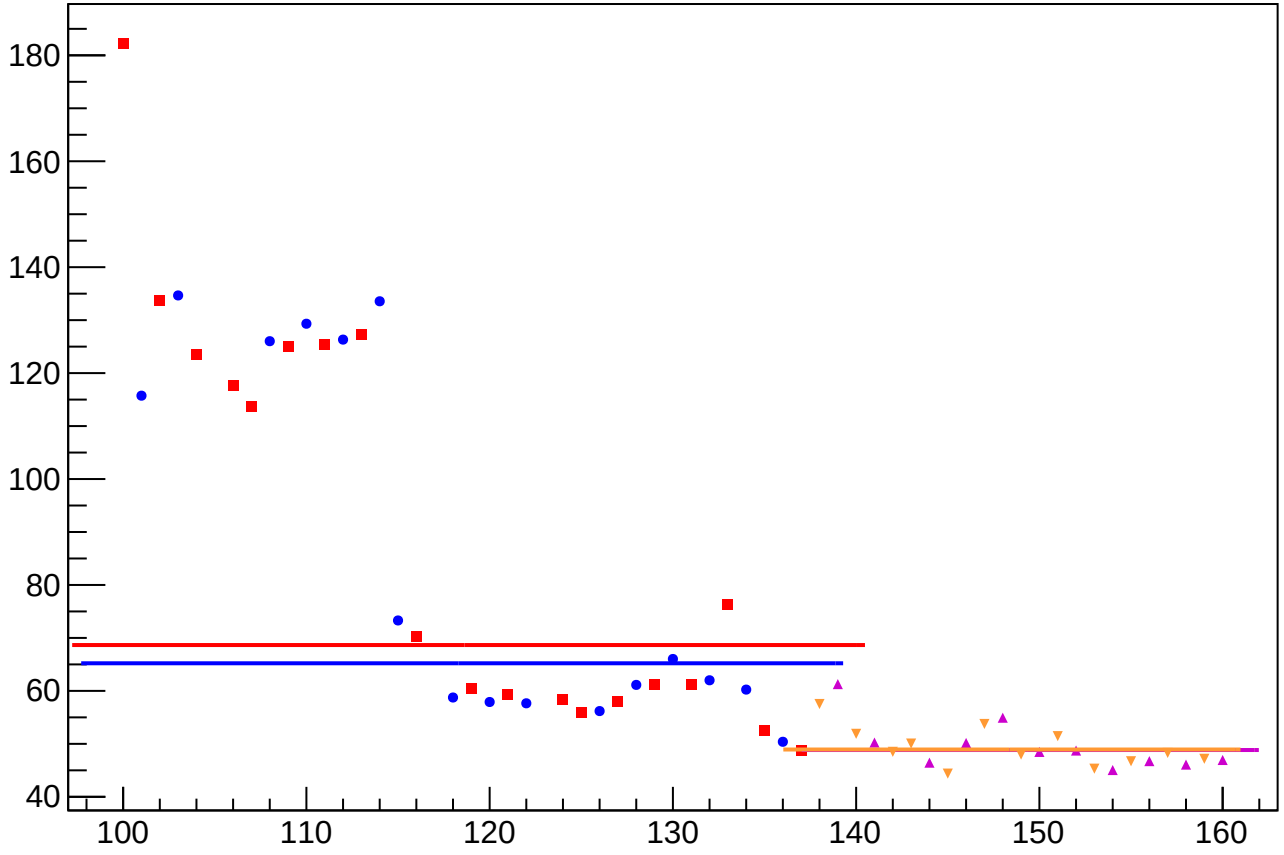
Left In: -49.423+/-15.919 χ^2/NDF:8.3/10

+ sign 29.059+/-13.568 χ^2/NDF: 38.9/27

All: -11.240+/-9.640 χ^2/NDF: 85.6/57

- 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: 48.931+/-0.011 χ^2/NDF:91854.4/11

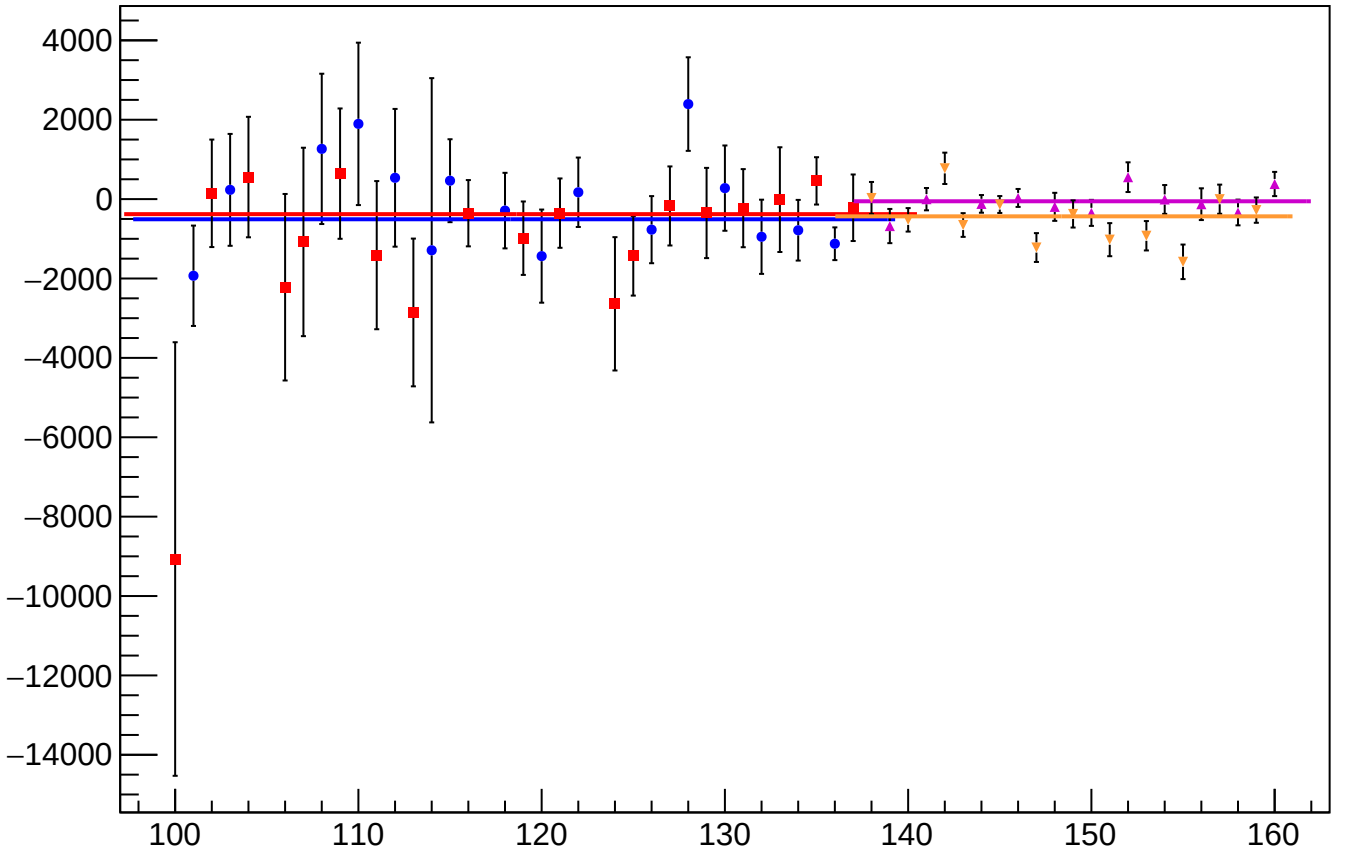
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 48.835+/-0.011 χ^2/NDF:122037.2/10

+ sign 53.441+/-0.010 χ^2/NDF: 2115105.2/27

All: 53.707+/-0.007 χ^2/NDF: 4684081.1/57

- 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: -434.166+/-95.829 χ^2/NDF:30.3/11

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

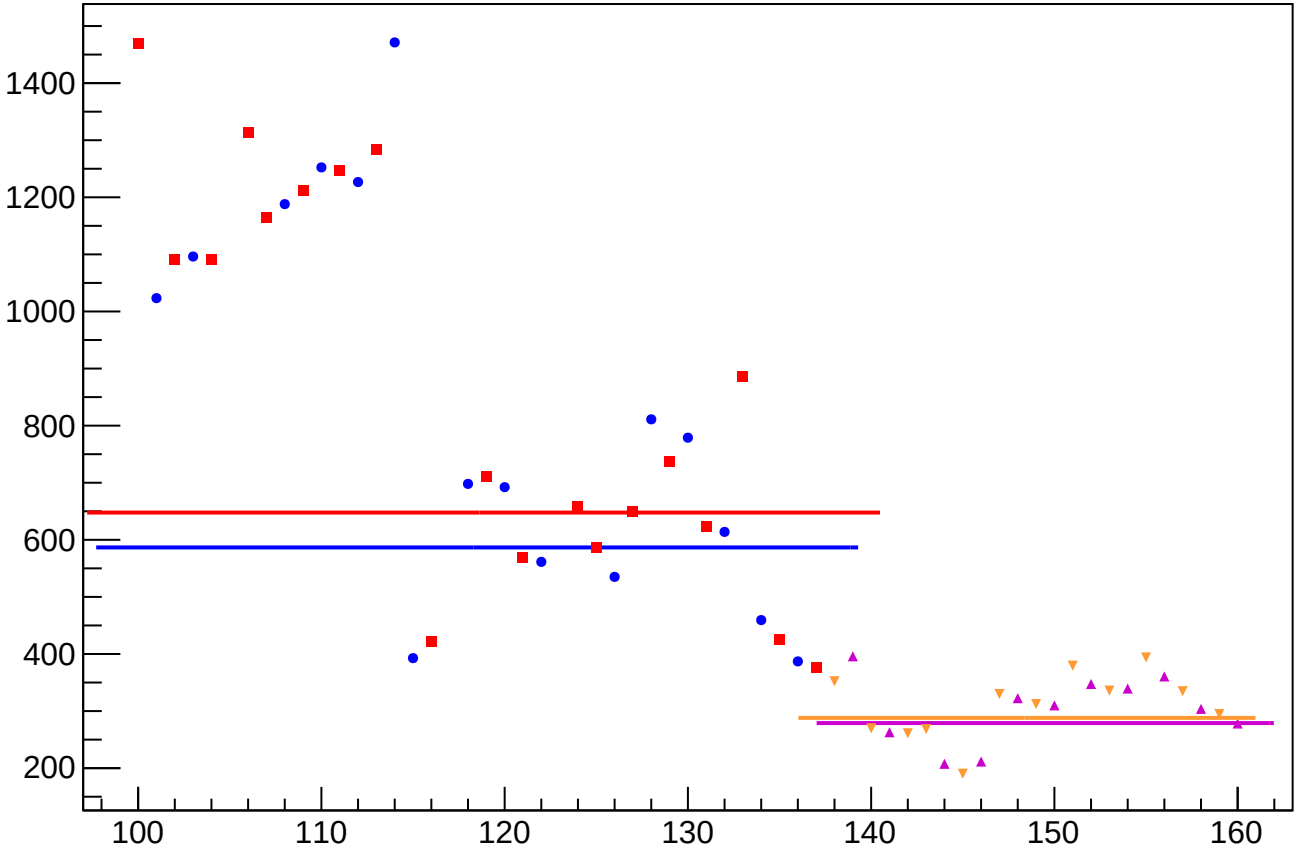
Left In: -54.459+/-92.740 χ^2/NDF:8.8/10

+ sign -444.535+/-88.839 χ^2/NDF: 46.0/27

All: -265.005+/-62.235 χ^2/NDF: 75.9/57

- 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: 288.121+/-0.068 χ^2/NDF:815198.1/11

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

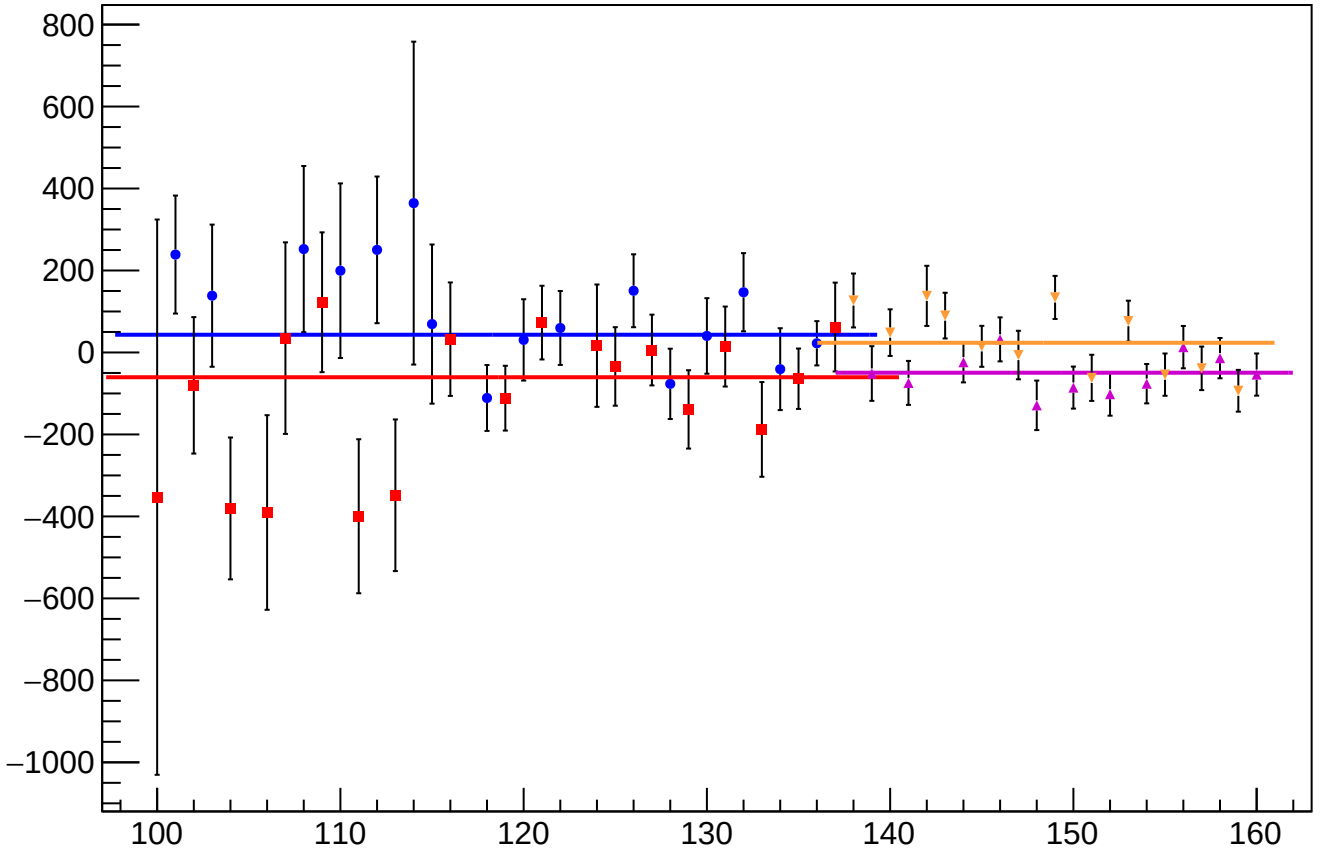
Left In: 279.000+/-0.066 χ^2/NDF:802376.1/10

+ sign 330.087+/-0.063 χ^2/NDF: 5596689.9/27

All: 325.794+/-0.044 χ^2/NDF: 12171559.7/57

- 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: 23.625+/-15.957 χ^2/NDF:23.6/11

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

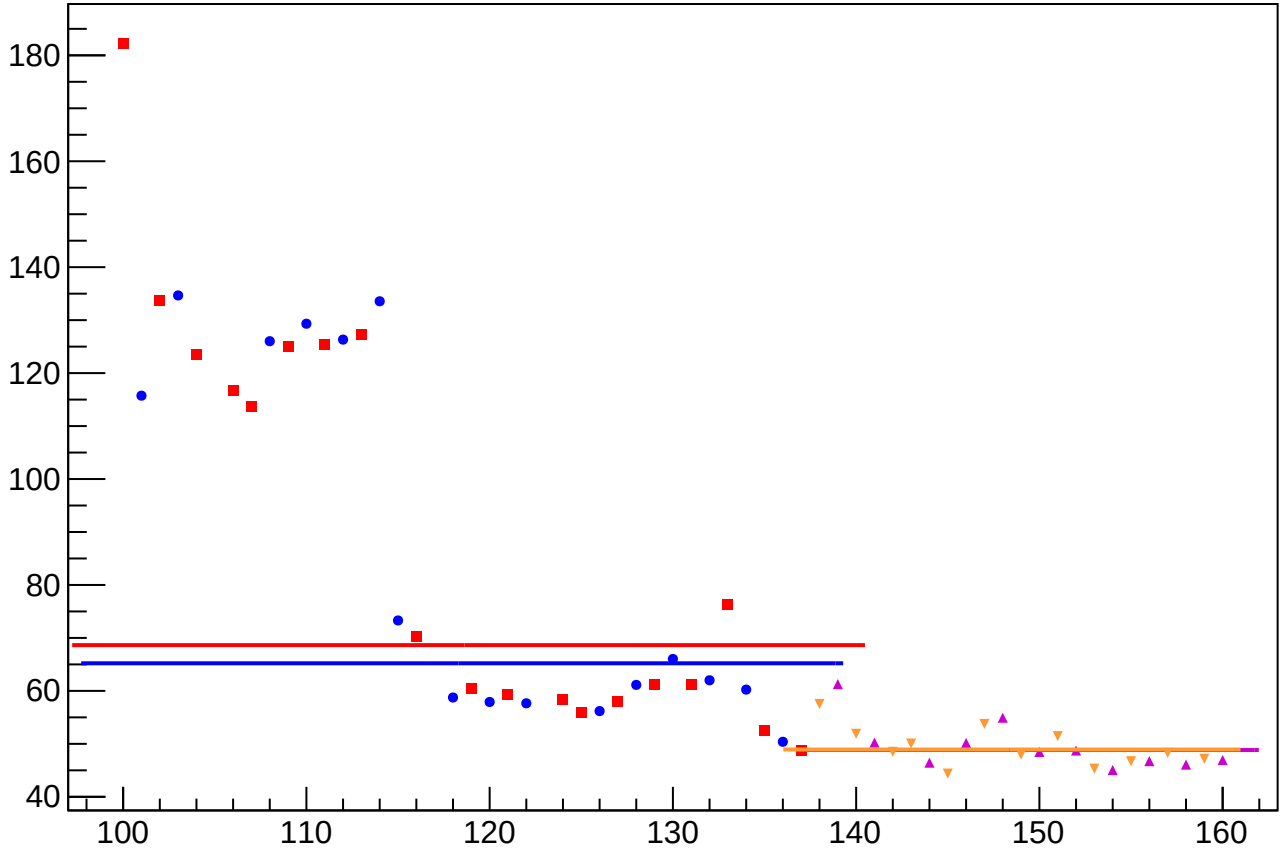
Left In: -49.423+/-15.919 χ^2/NDF:8.3/10

+ sign 29.058+/-13.568 χ^2/NDF: 38.9/27

All: -11.221+/-9.640 χ^2/NDF: 85.5/57

- 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: 48.931+/-0.011 χ^2/NDF:91854.4/11

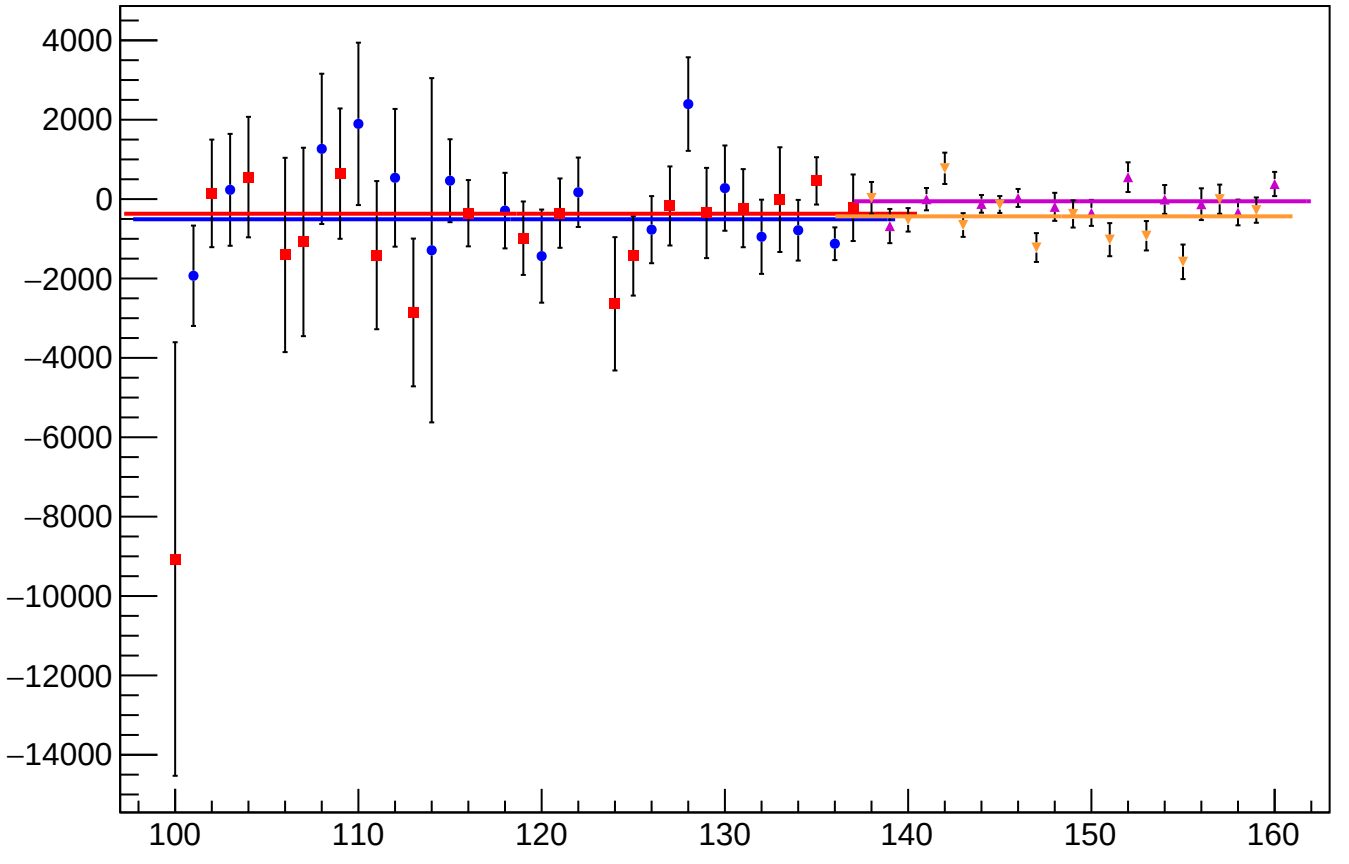
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.835+/-0.011 χ^2/NDF:122037.2/10

+ sign 53.441+/-0.010 χ^2/NDF: 2115107.3/27

All: 53.705+/-0.007 χ^2/NDF: 4679513.8/57

- 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: -434.161+/-95.829 χ^2/NDF:30.3/11

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

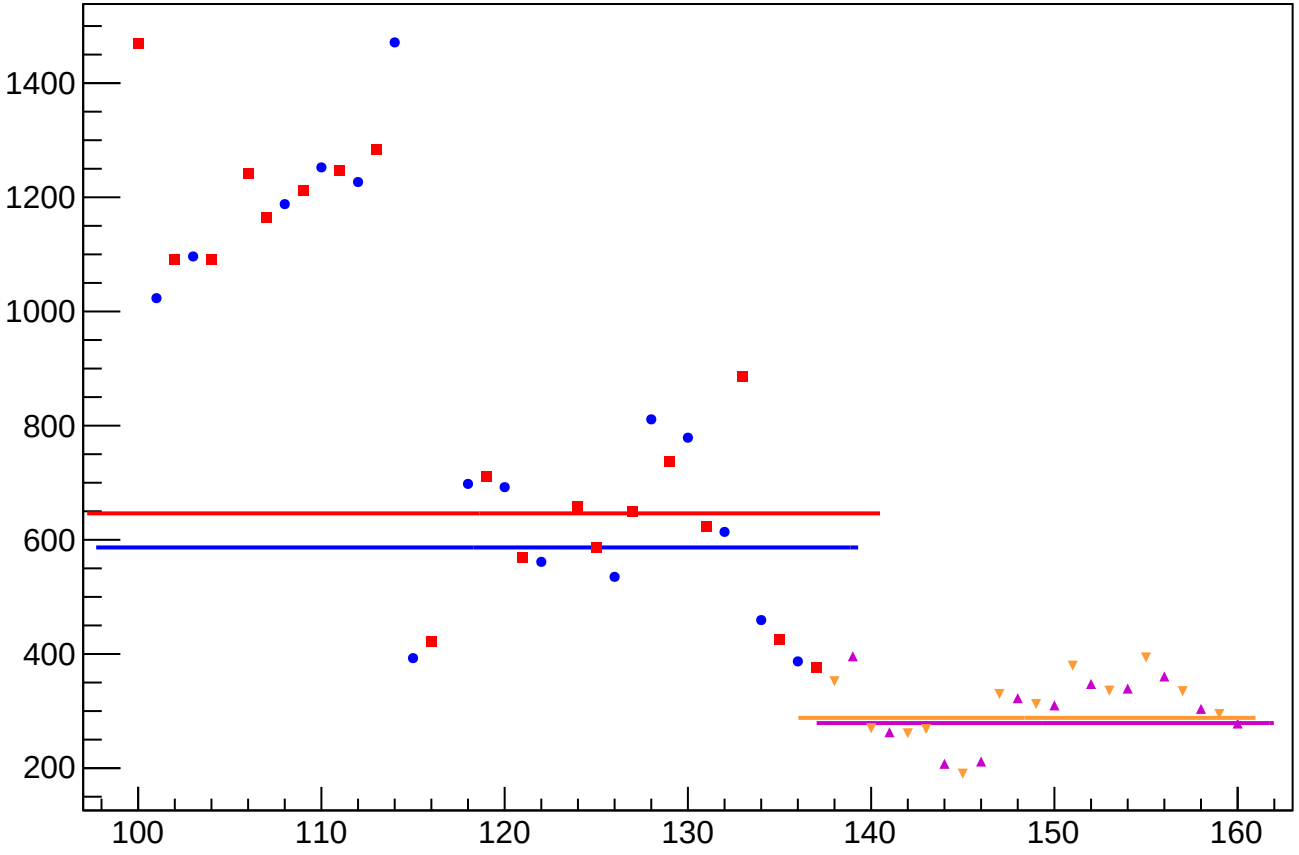
Left In: -54.460+/-92.740 χ^2/NDF:8.8/10

\+ sign -444.529+/-88.839 χ^2/NDF: 46.0/27

All: -264.374+/-62.237 χ^2/NDF: 75.5/57

\- 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: 288.121+/-0.068 χ^2/NDF:815202.5/11

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

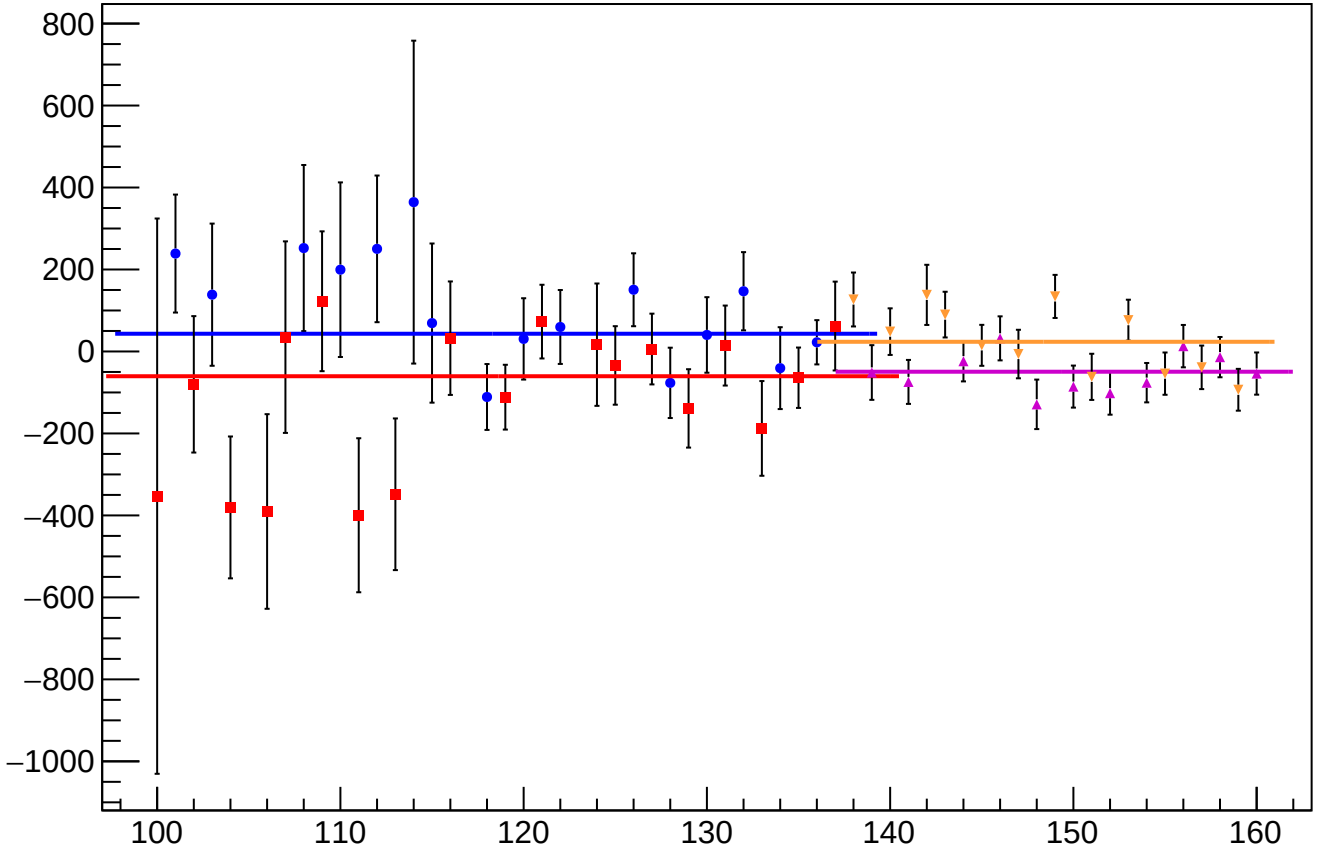
Left In: 279.000+/-0.066 χ^2/NDF:802371.4/10

+ sign 330.086+/-0.063 χ^2/NDF: 5596721.9/27

All: 325.693+/-0.044 χ^2/NDF: 12098512.6/57

- 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: 23.625+/-15.957 χ^2/NDF:23.6/11

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

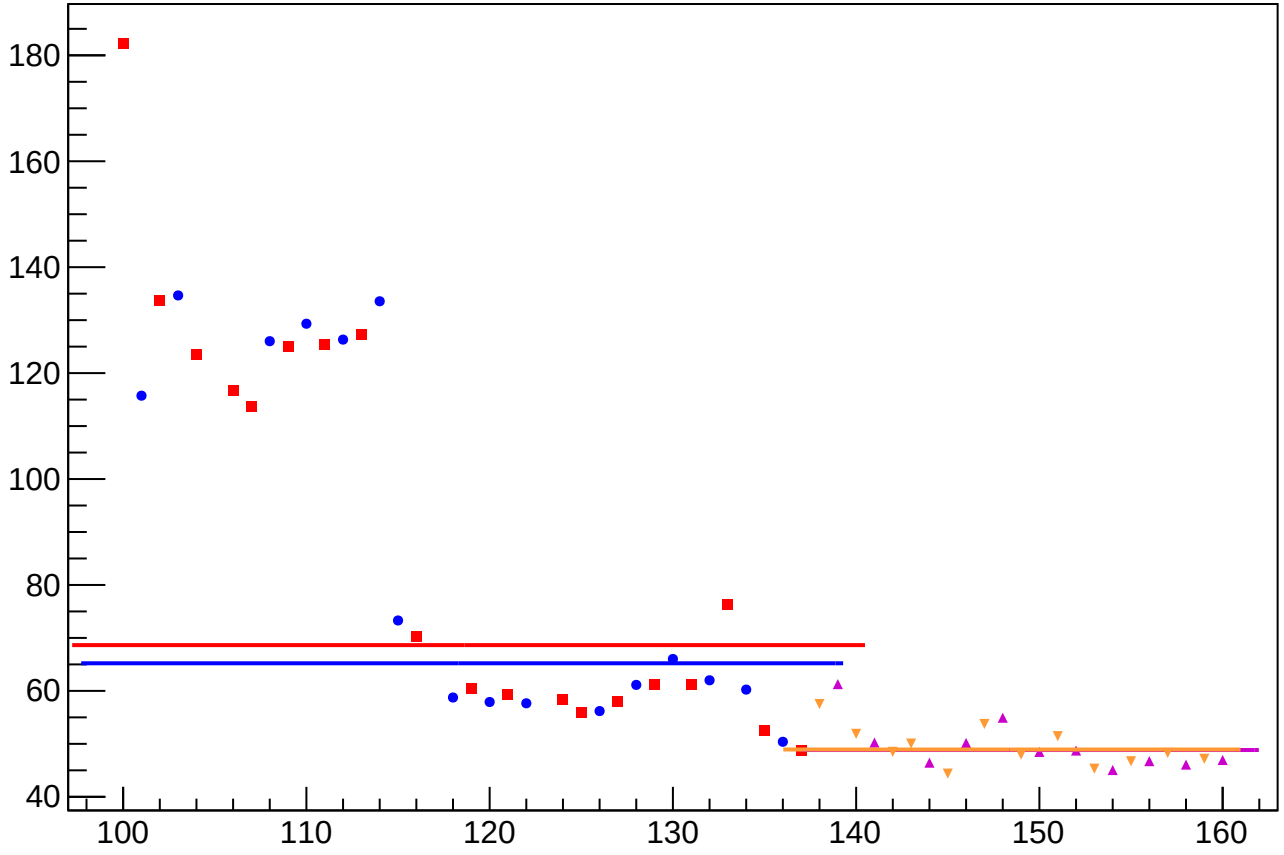
Left In: -49.423+/-15.919 χ^2/NDF:8.3/10

+ sign 29.058+/-13.568 χ^2/NDF: 38.9/27

All: -11.221+/-9.640 χ^2/NDF: 85.5/57

- 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: 48.931+/-0.011 χ^2/NDF:91854.4/11

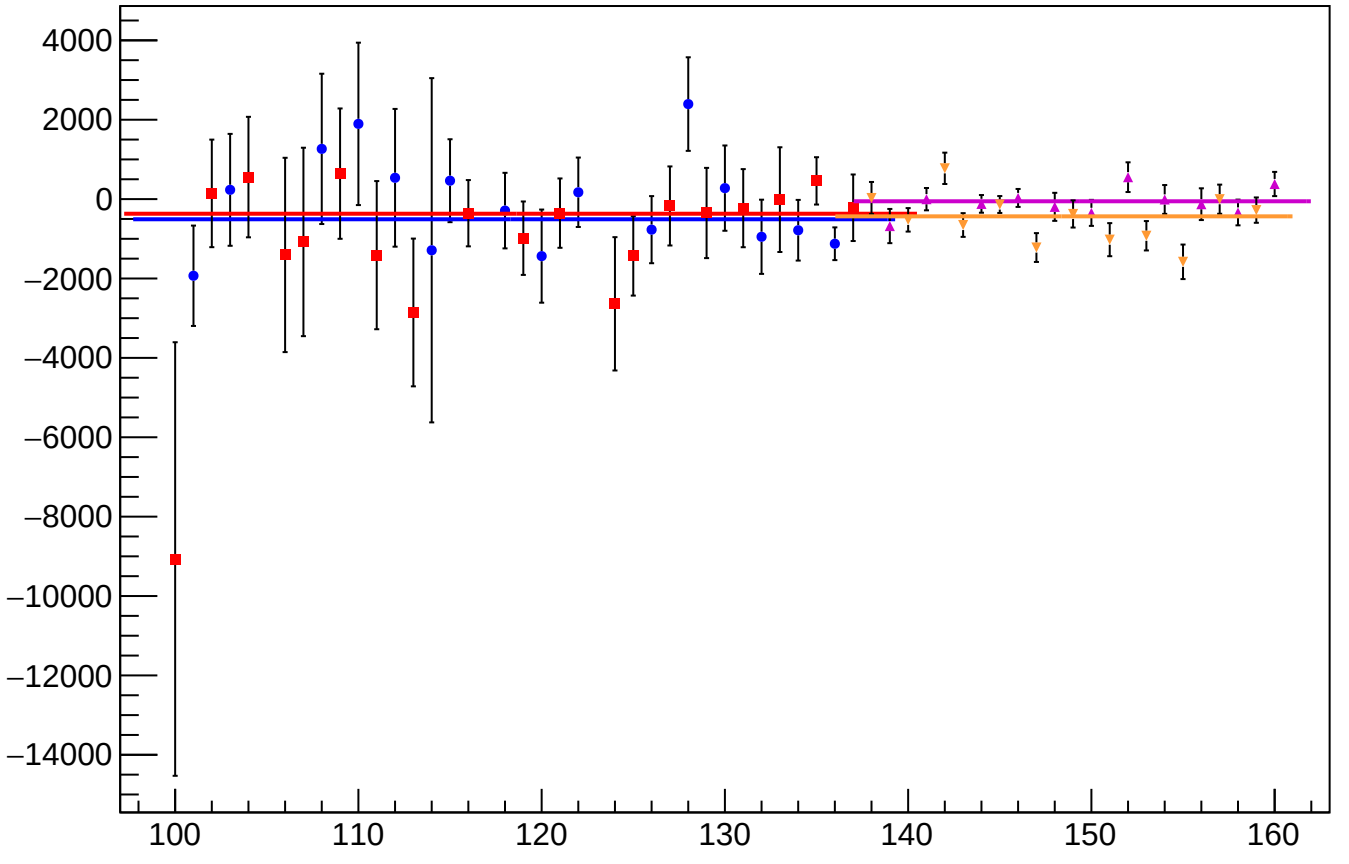
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.835+/-0.011 χ^2/NDF:122037.2/10

+ sign 53.441+/-0.010 χ^2/NDF: 2115107.3/27

All: 53.705+/-0.007 χ^2/NDF: 4679513.8/57

- 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: -434.161+/-95.829 χ^2/NDF:30.3/11

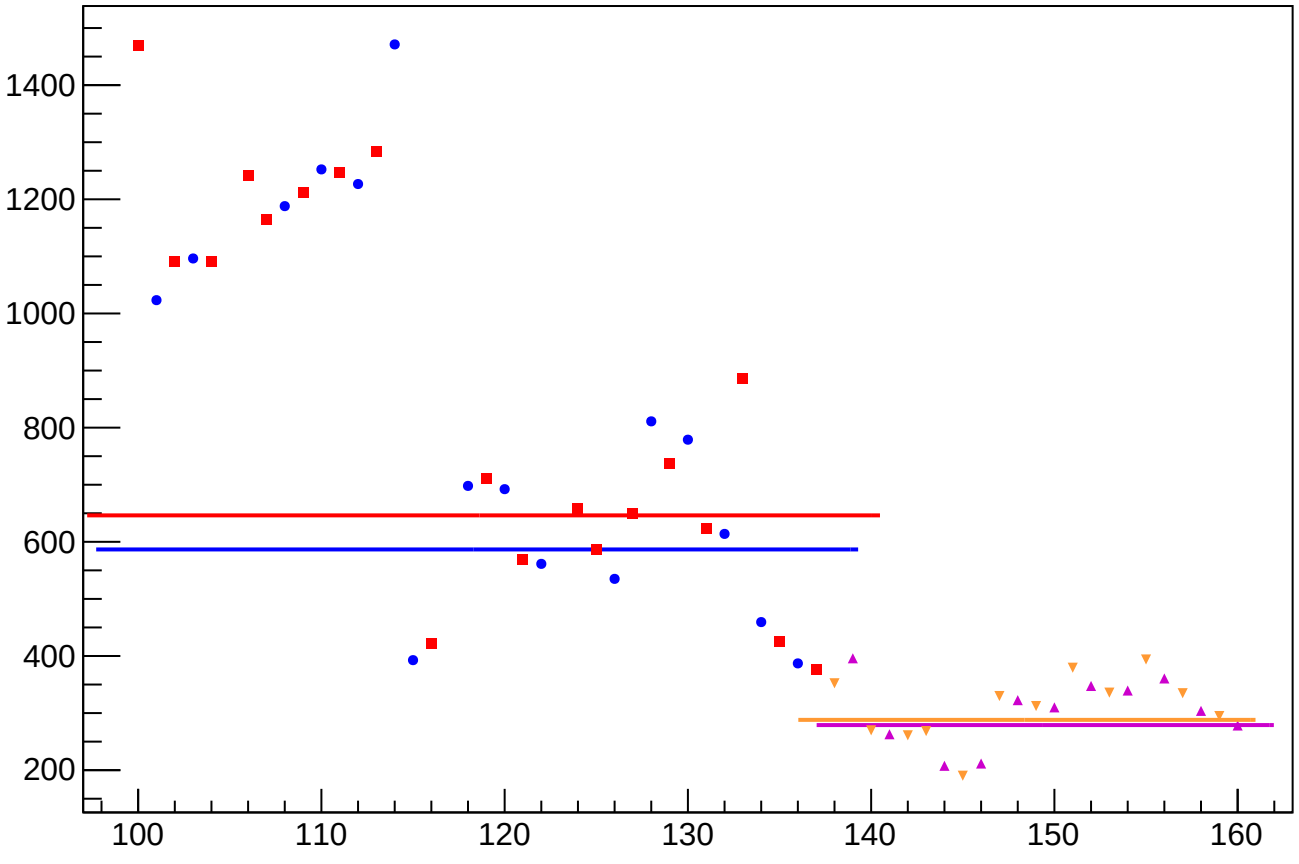
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -54.460+/-92.740 χ^2/NDF:8.8/10

+ sign -444.529+/-88.839 χ^2/NDF: 46.0/27

All: -264.374+/-62.237 χ^2/NDF: 75.5/57

- 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: 288.121+/-0.068 χ^2/NDF:815202.5/11

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

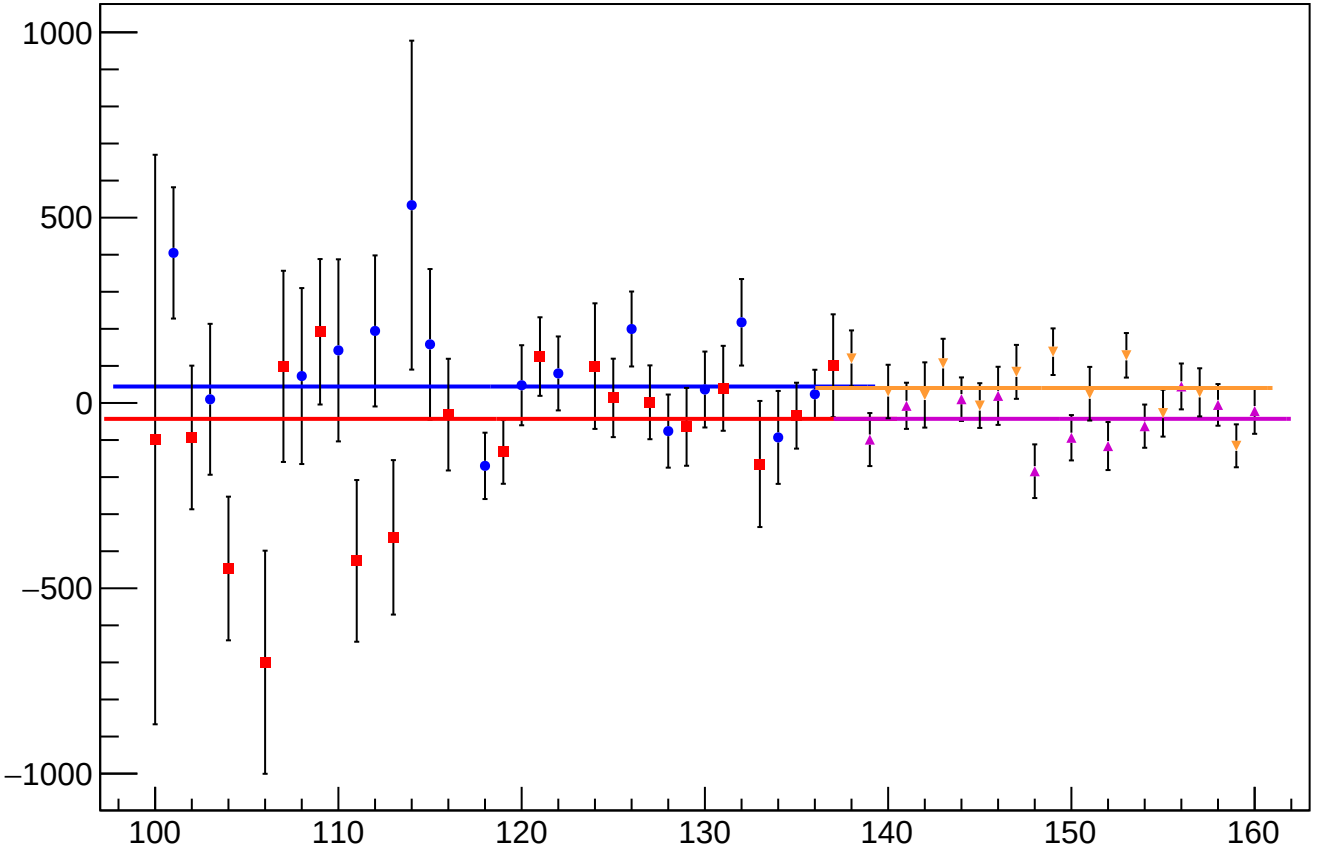
Left In: 279.000+/-0.066 χ^2/NDF:802371.4/10

+ sign 330.086+/-0.063 χ^2/NDF: 5596721.9/27

All: 325.693+/-0.044 χ^2/NDF: 12098512.6/57

- 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: 40.413+/-19.273 χ^2/NDF:16.2/11

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

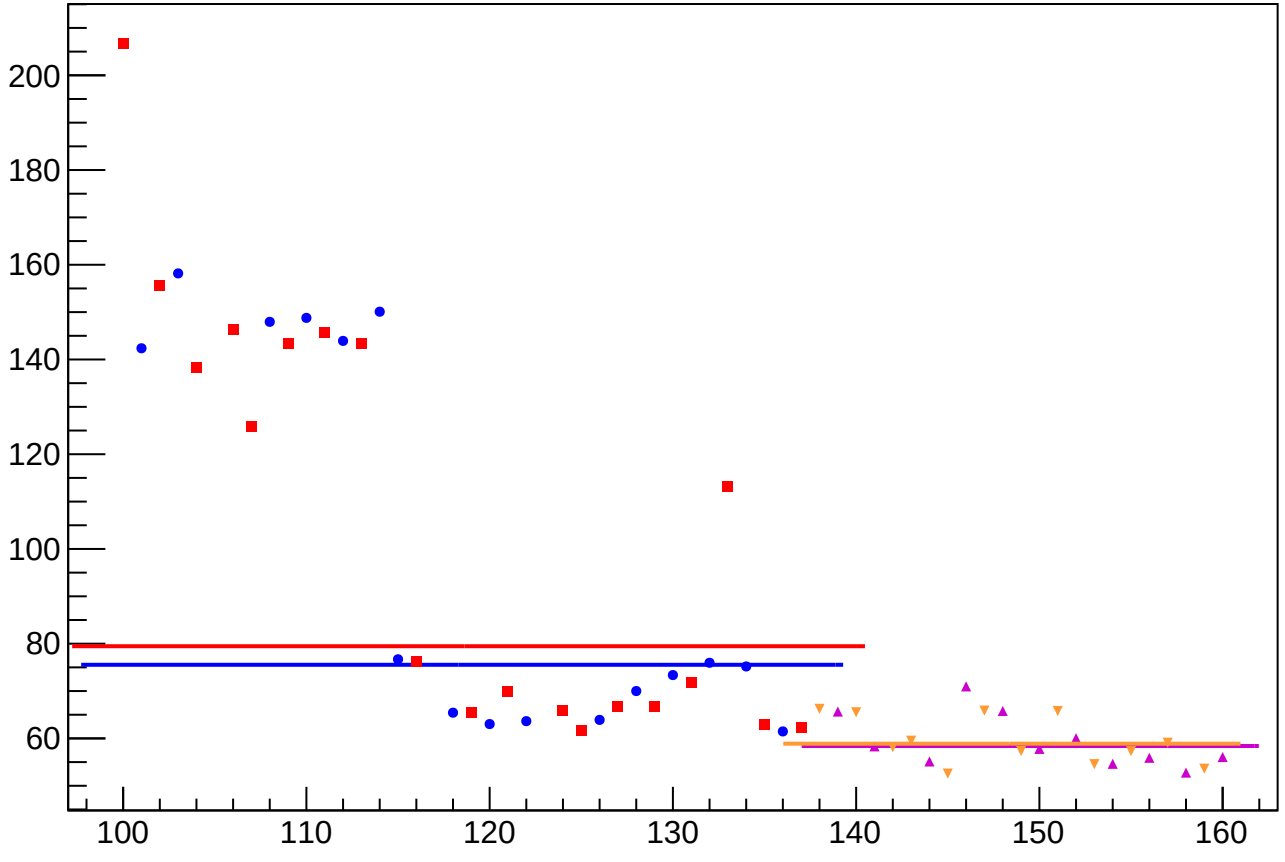
Left In: -42.783+/-19.107 χ^2/NDF:10.8/10

+ sign 41.579+/-16.201 χ^2/NDF: 35.8/27

All: -0.357+/-11.491 χ^2/NDF: 83.4/57

- 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: 58.888+/-0.014 χ^2/NDF:123974.2/11

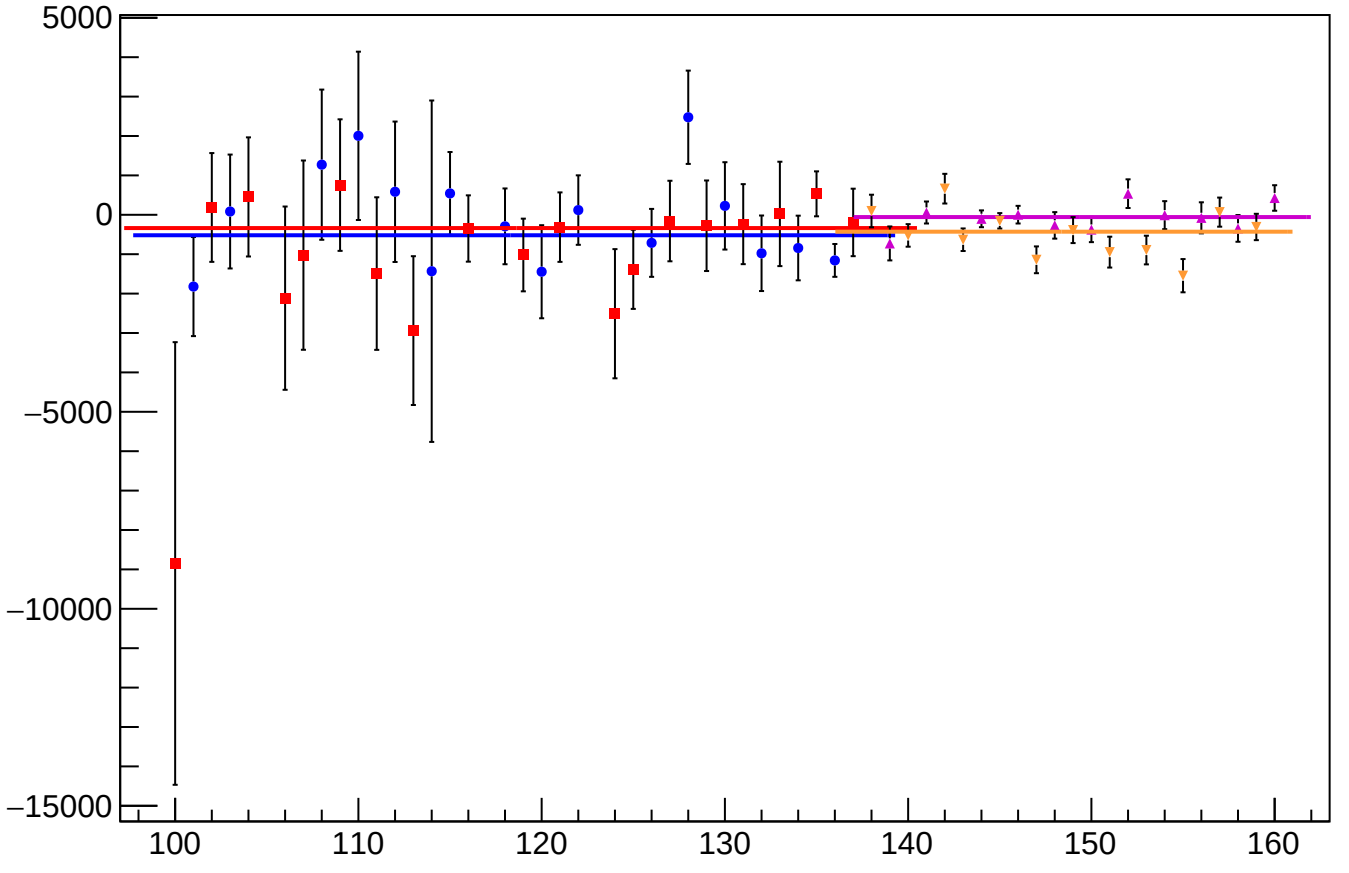
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.397+/-0.014 χ^2/NDF:135056.8/10

+ sign 63.775+/-0.011 χ^2/NDF: 2027801.0/27

All: 63.952+/-0.008 χ^2/NDF: 4508715.3/57

- 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: -428.751+/-92.422 χ^2/NDF:29.3/11

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

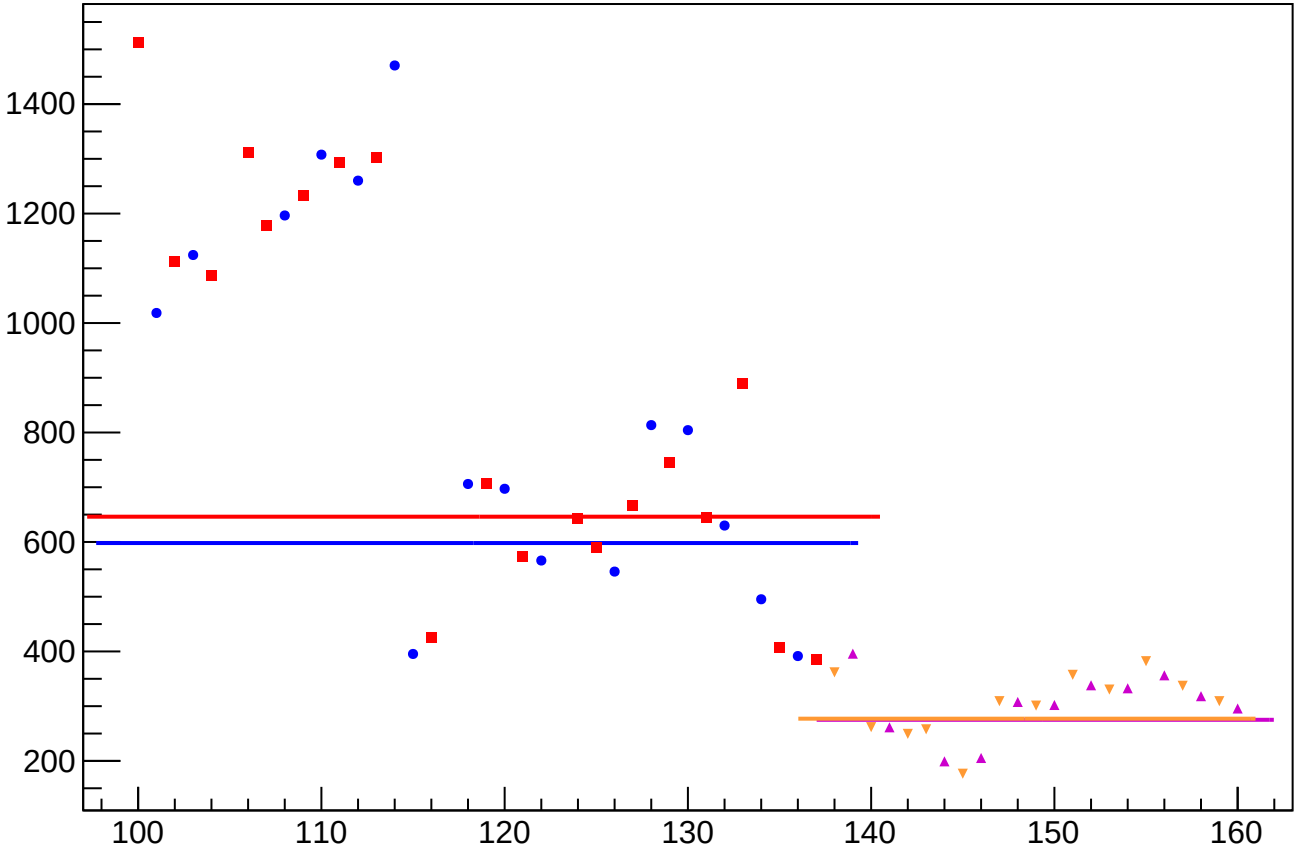
Left In: -57.471+/-91.713 χ^2/NDF:9.7/10

+ sign -440.328+/-86.308 χ^2/NDF: 45.3/27

All: -264.825+/-61.048 χ^2/NDF: 76.2/57

- 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: 277.152+/-0.065 χ^2/NDF:984350.0/11

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

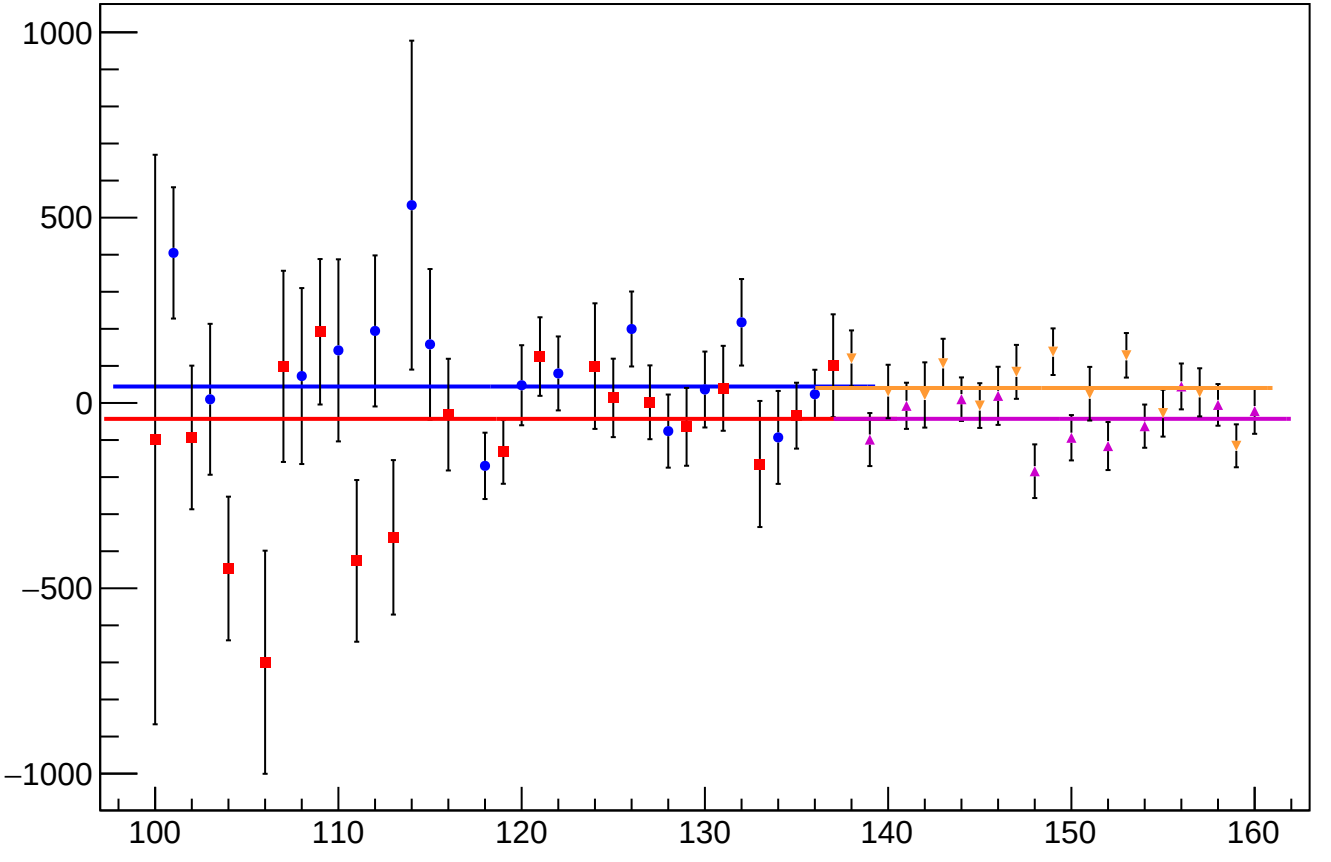
Left In: 275.098+/-0.065 χ^2/NDF:880106.7/10

+ sign 318.200+/-0.061 χ^2/NDF: 6116298.5/27

All: 317.664+/-0.043 χ^2/NDF: 12910644.0/57

- 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: 40.413+/-19.273 χ^2/NDF:16.2/11

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

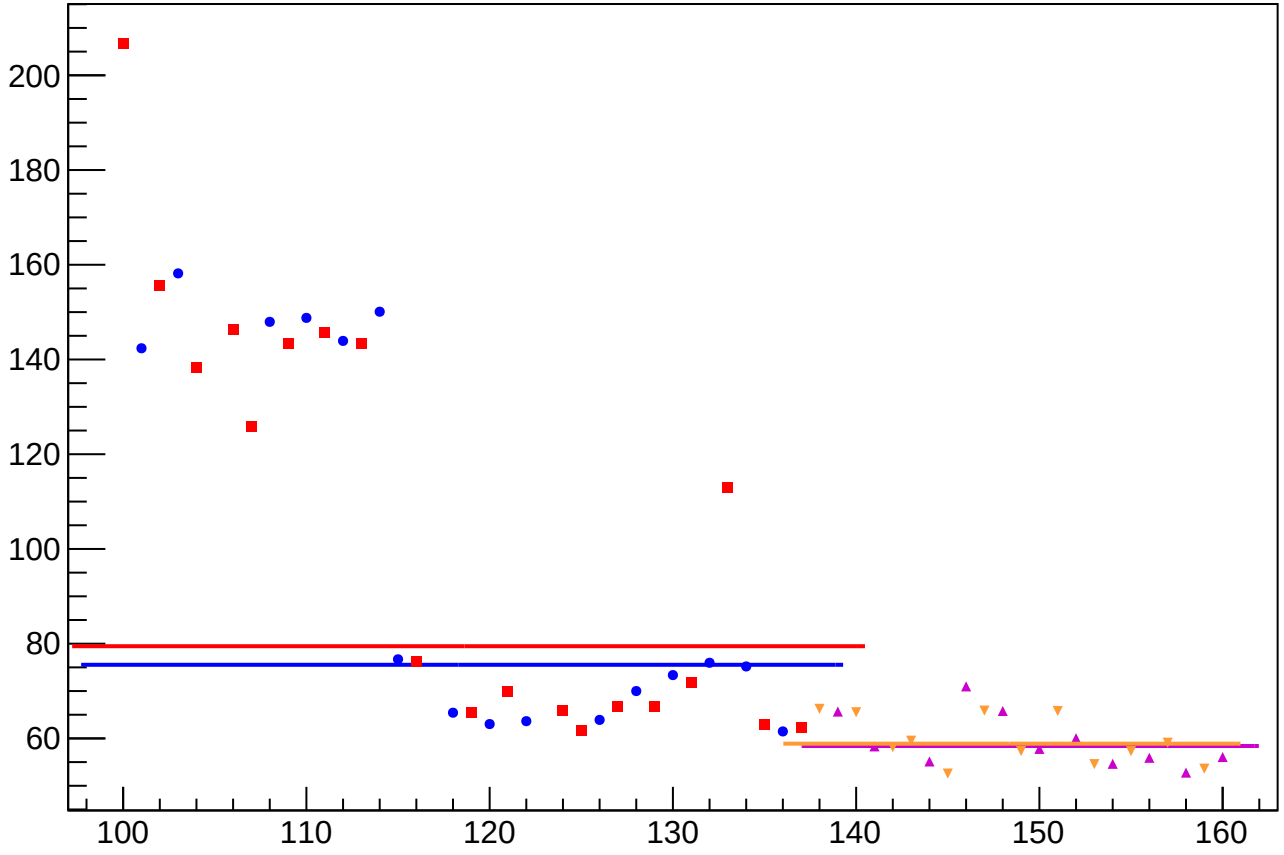
Left In: -42.782+/-19.107 χ^2/NDF:10.8/10

+ sign 41.580+/-16.201 χ^2/NDF: 35.8/27

All: -0.357+/-11.491 χ^2/NDF: 83.4/57

- 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: 58.888+/-0.014 χ^2/NDF:123974.9/11

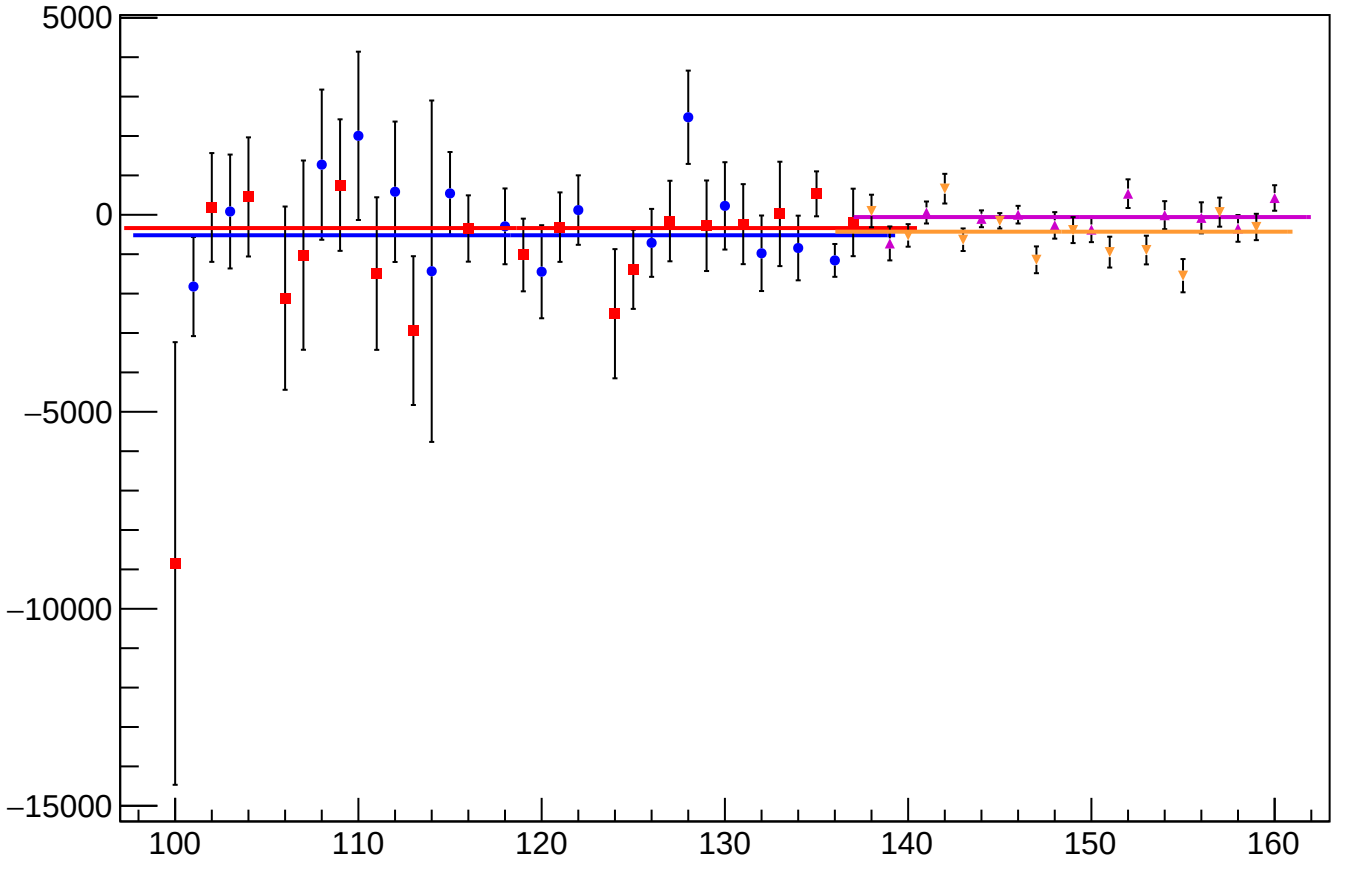
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.397+/-0.014 χ^2/NDF:135061.5/10

+ sign 63.776+/-0.011 χ^2/NDF: 2027765.4/27

All: 63.952+/-0.008 χ^2/NDF: 4508655.4/57

- 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: -428.751+/-92.421 χ^2/NDF:29.3/11

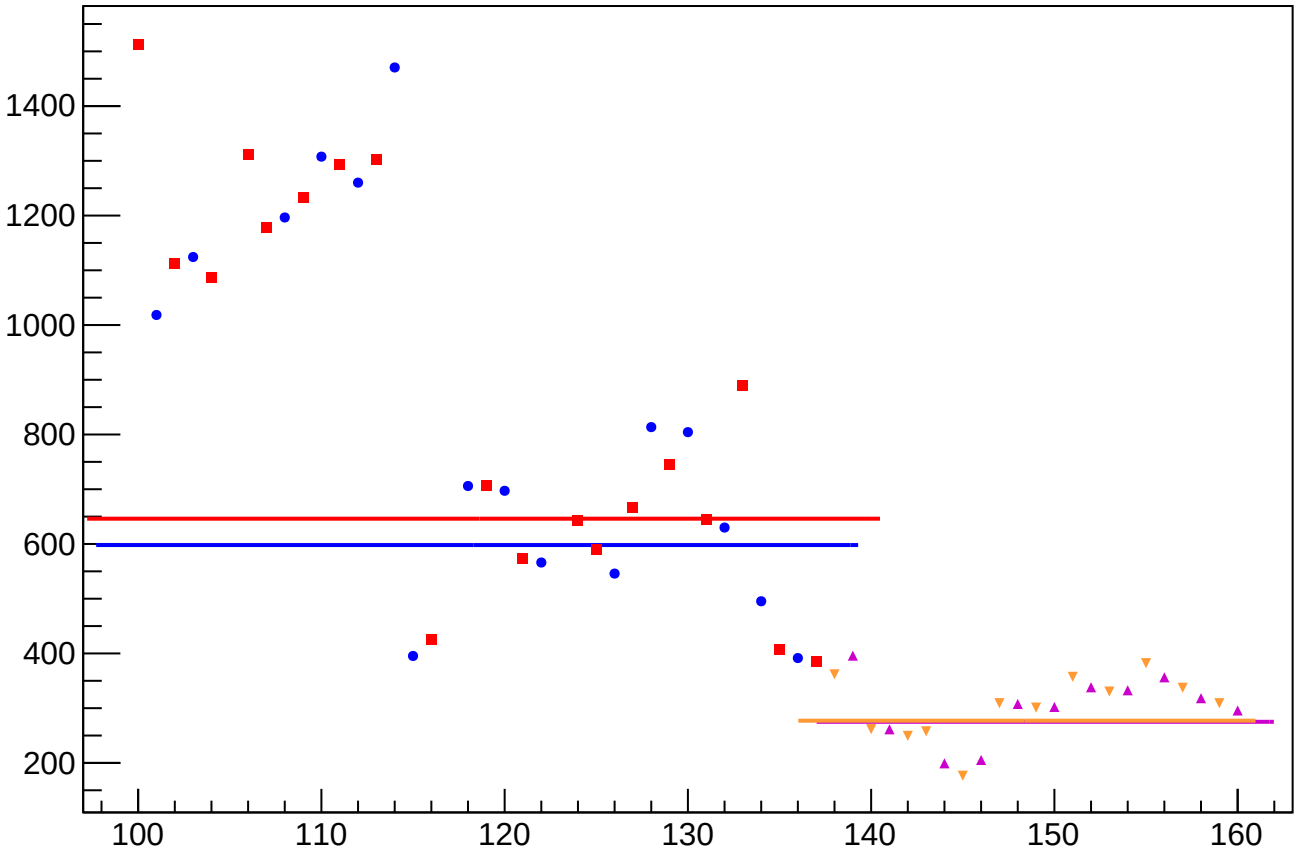
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -57.470+/-91.712 χ^2/NDF:9.7/10

+ sign -440.327+/-86.308 χ^2/NDF: 45.3/27

All: -264.825+/-61.048 χ^2/NDF: 76.2/57

- 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: 277.151+/-0.065 χ^2/NDF:984357.4/11

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

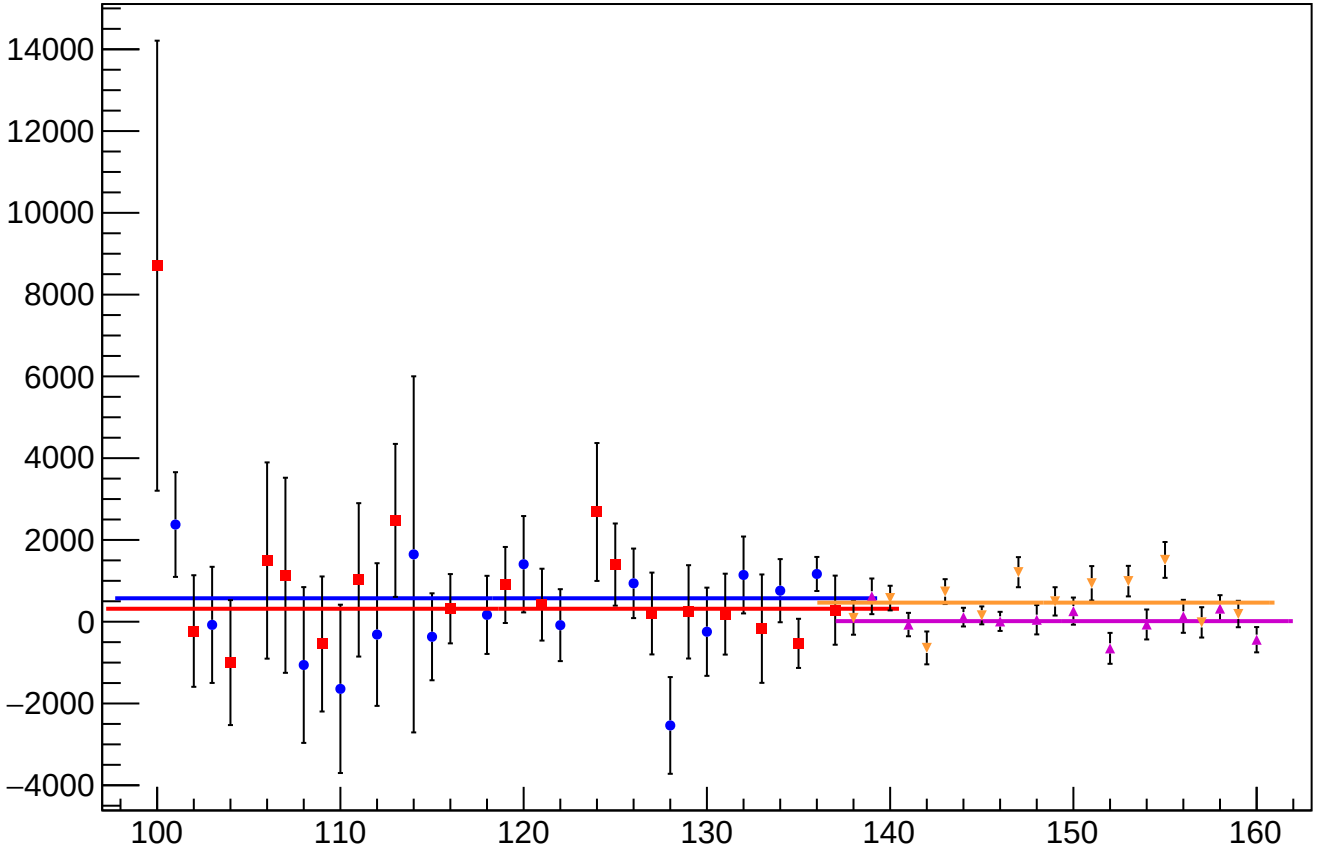
Left In: 275.098+/-0.065 χ^2/NDF:880104.0/10

+ sign 318.199+/-0.061 χ^2/NDF: 6116297.3/27

All: 317.664+/-0.043 χ^2/NDF: 12910631.5/57

- 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: 466.867+/-97.404 χ^2/NDF:26.8/11

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

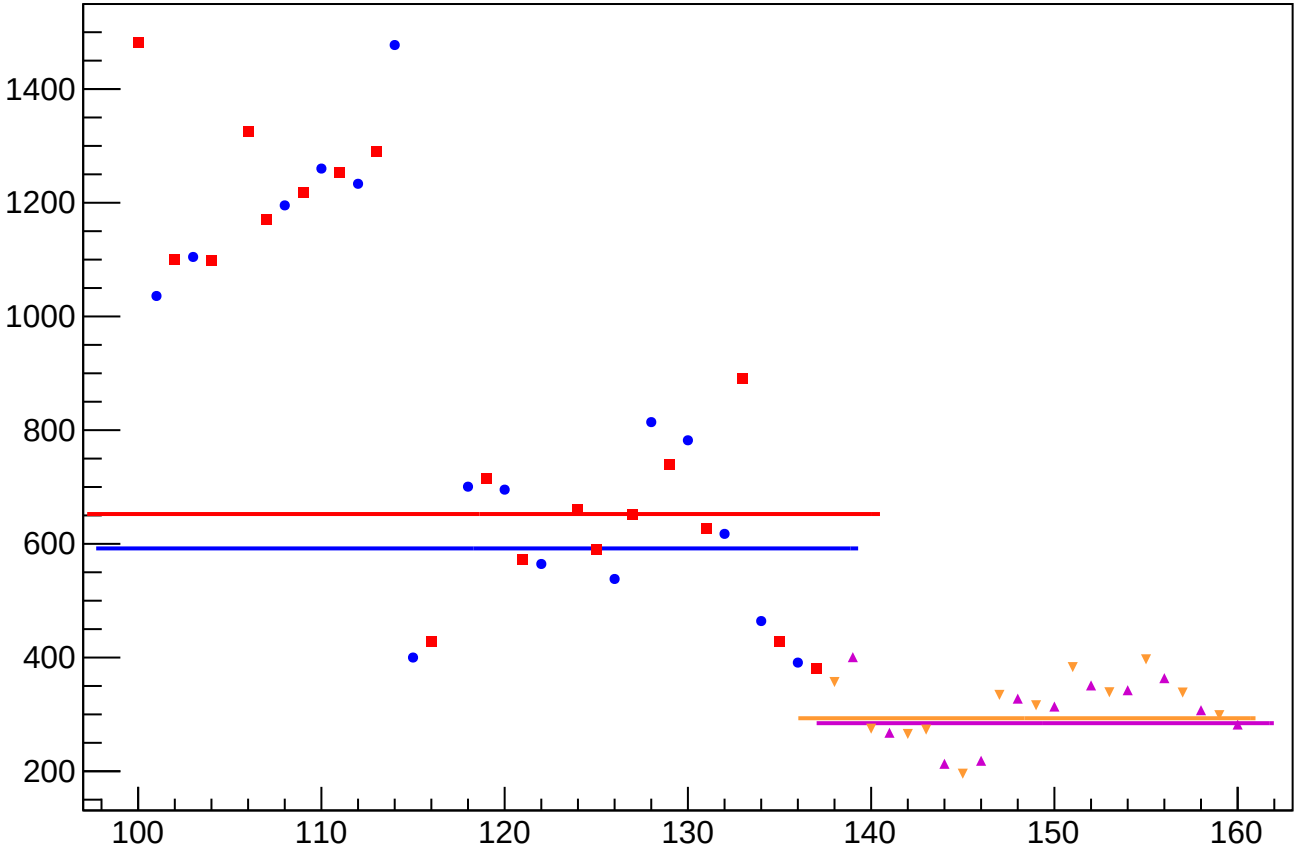
Left In: 14.196+/-94.436 χ^2/NDF:9.0/10

+ sign 482.046+/-90.196 χ^2/NDF: 43.6/27

All: 262.335+/-63.240 χ^2/NDF: 76.5/57

- 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: 293.254+/-0.069 χ^2/NDF:767685.5/11

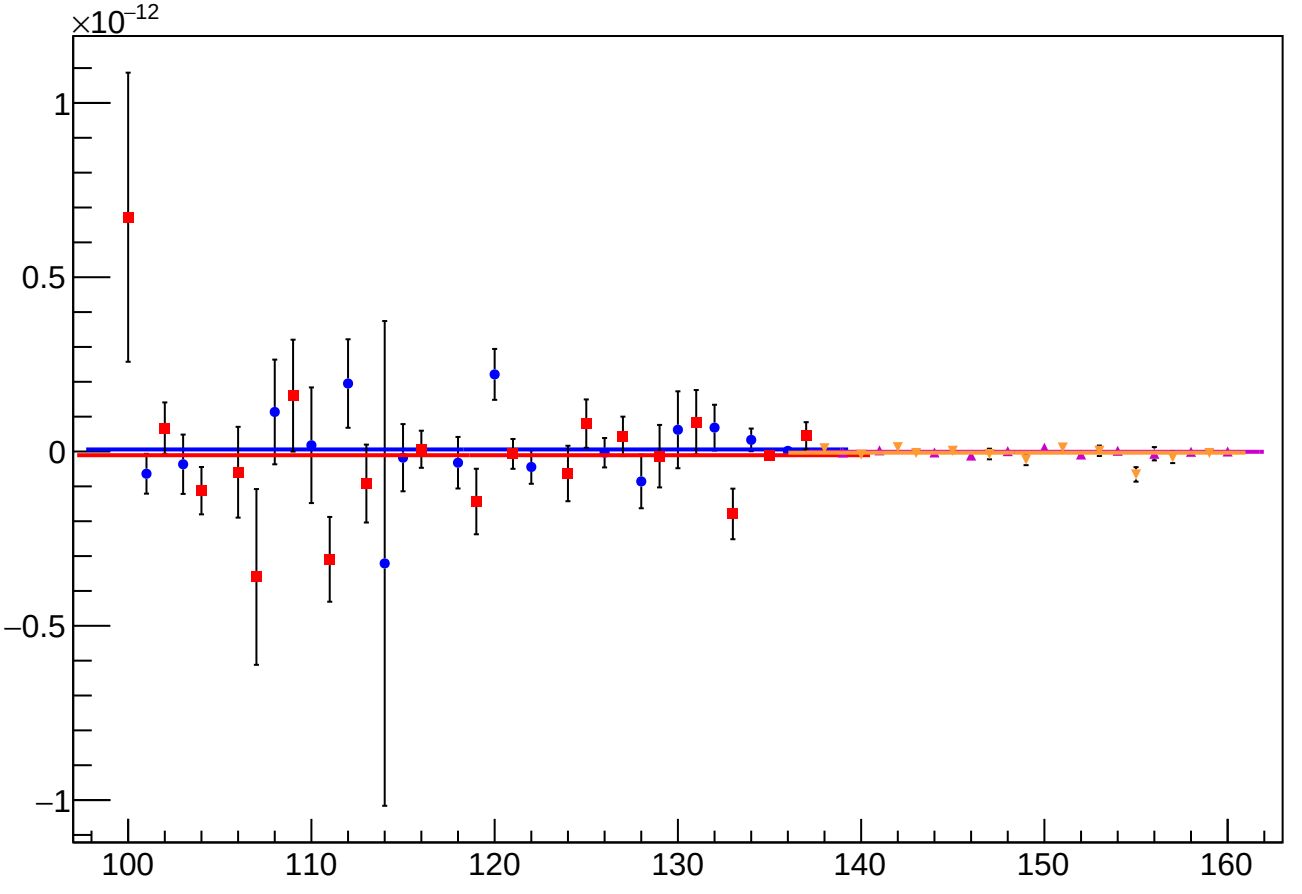
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 284.561+/-0.067 χ^2/NDF:747474.1/10

\+ sign 335.827+/-0.064 χ^2/NDF: 5484249.4/27

All: 331.826+/-0.045 χ^2/NDF: 11909857.9/57

\- 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:16.6/11

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

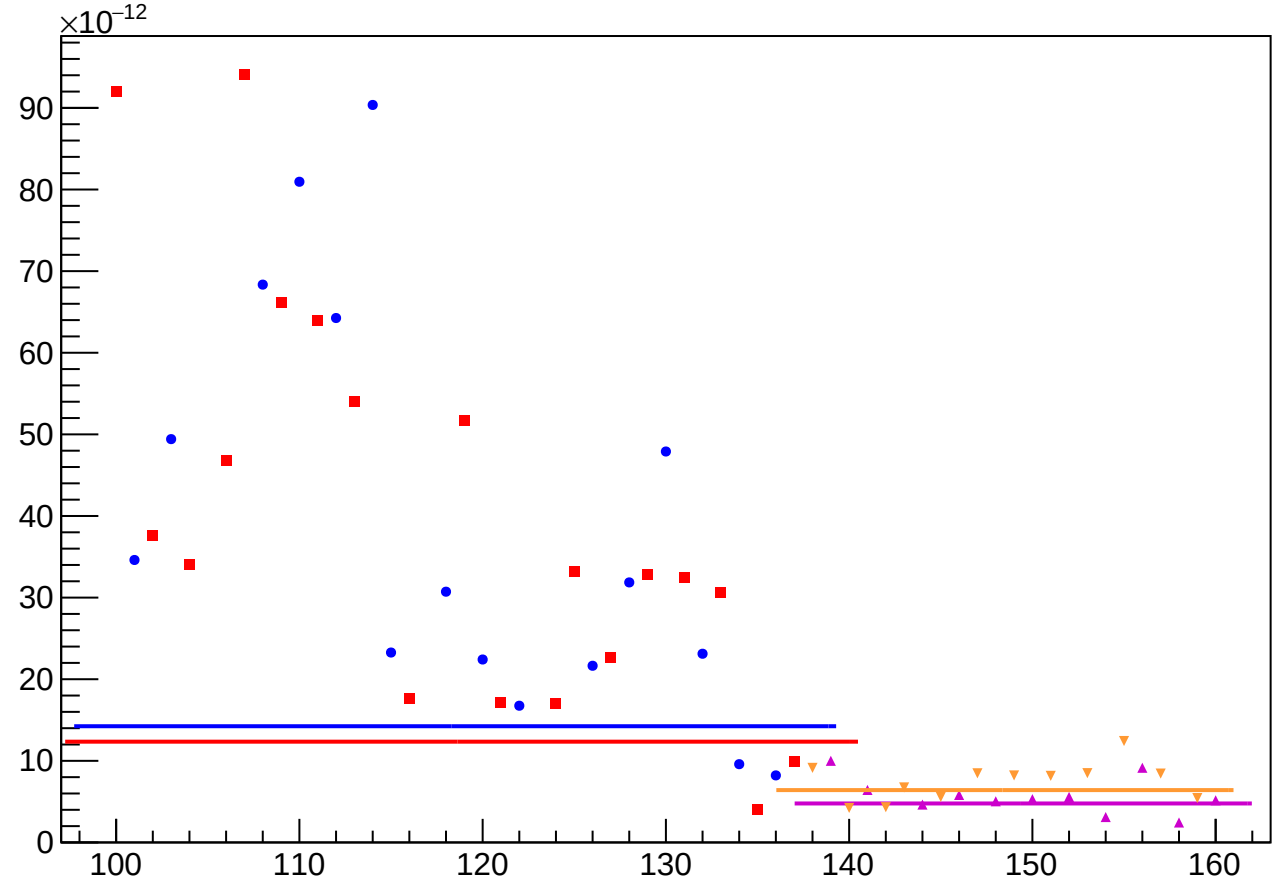
Left In: -0.000+/-0.000 χ^2/NDF:3.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 35.6/27

All: -0.000+/-0.000 χ^2/NDF: 69.5/57

- 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:674525.0/11

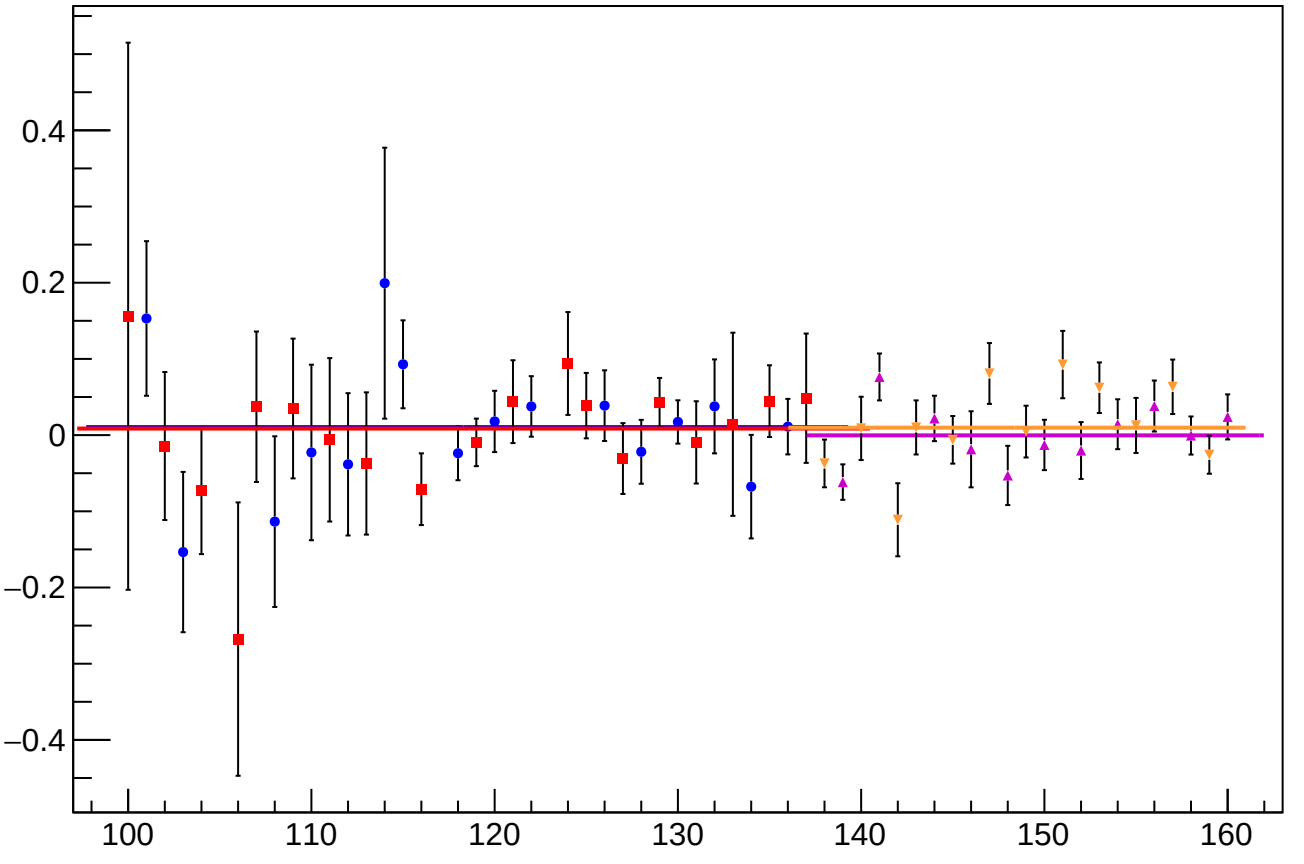
Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:766460.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 4167142.3/27

All: 0.000+/-0.000 χ^2/NDF: 9747093.8/57

- 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: 0.010+/-0.010 χ^2/NDF:22.4/11

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

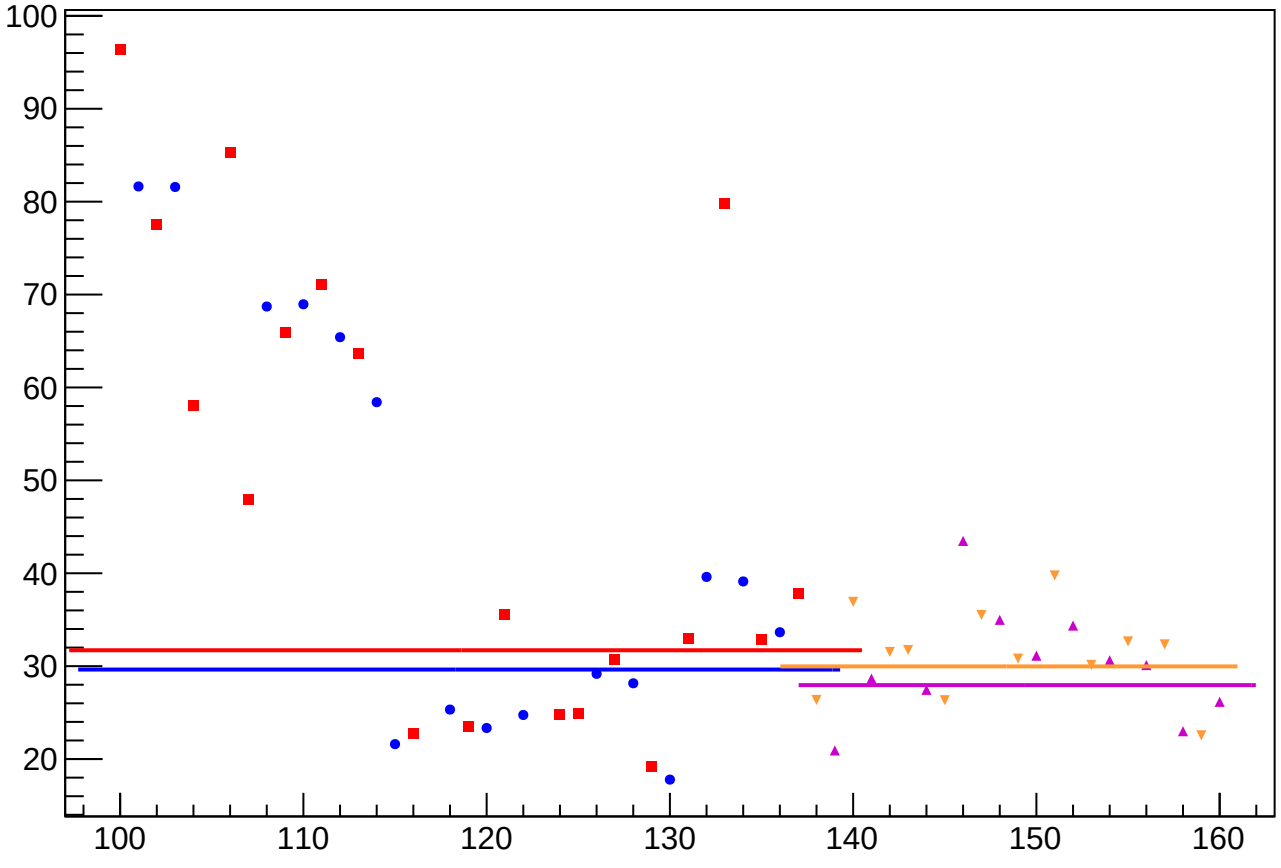
Left In: -0.000+/-0.009 χ^2/NDF:18.3/10

+ sign 0.010+/-0.008 χ^2/NDF: 35.5/27

All: 0.006+/-0.005 χ^2/NDF: 67.0/57

- 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: 29.974+/-0.007 χ^2/NDF:451807.2/11

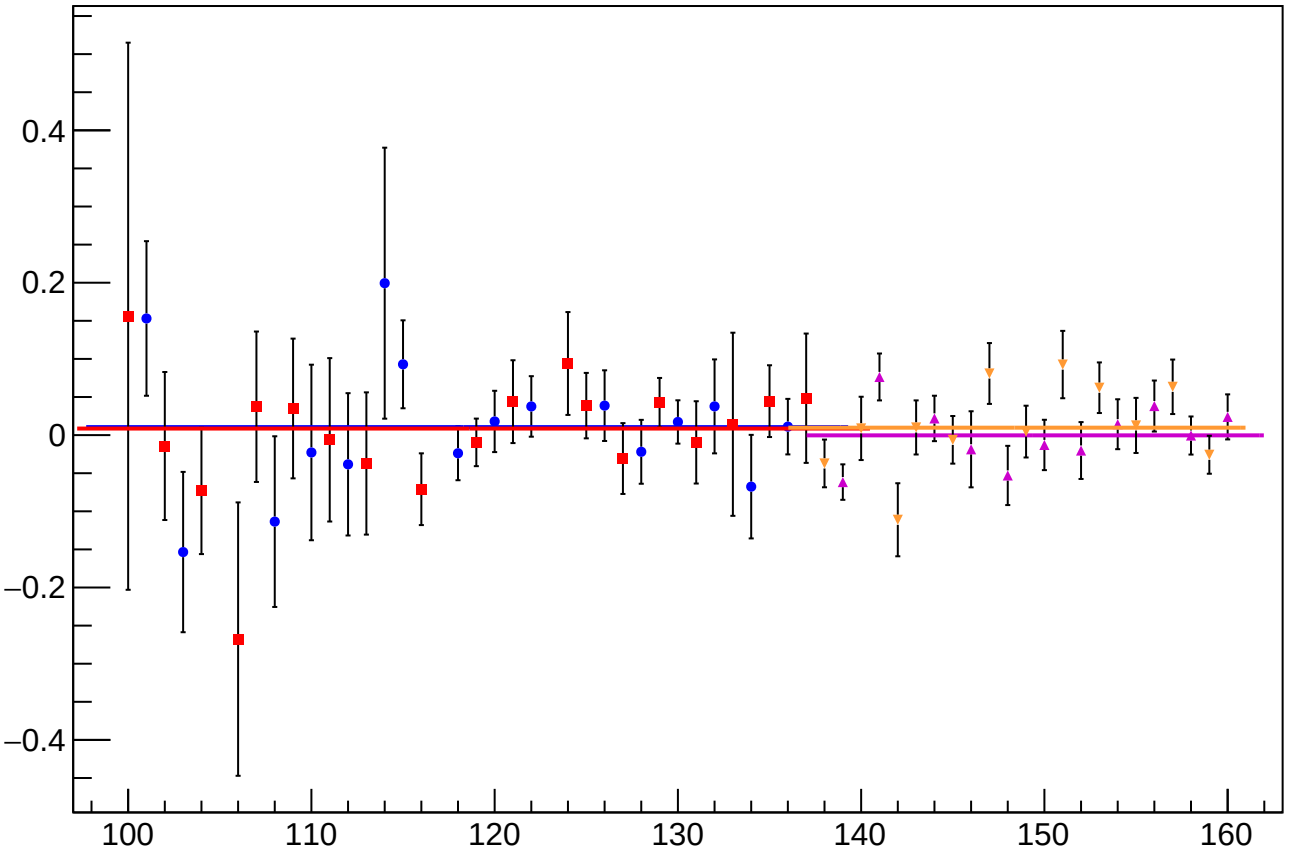
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.958+/-0.007 χ^2/NDF:628226.1/10

+ sign 29.841+/-0.006 χ^2/NDF: 2901164.4/27

All: 29.523+/-0.004 χ^2/NDF: 6294140.6/57

- 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: 0.010+/-0.010 χ^2/NDF:22.4/11

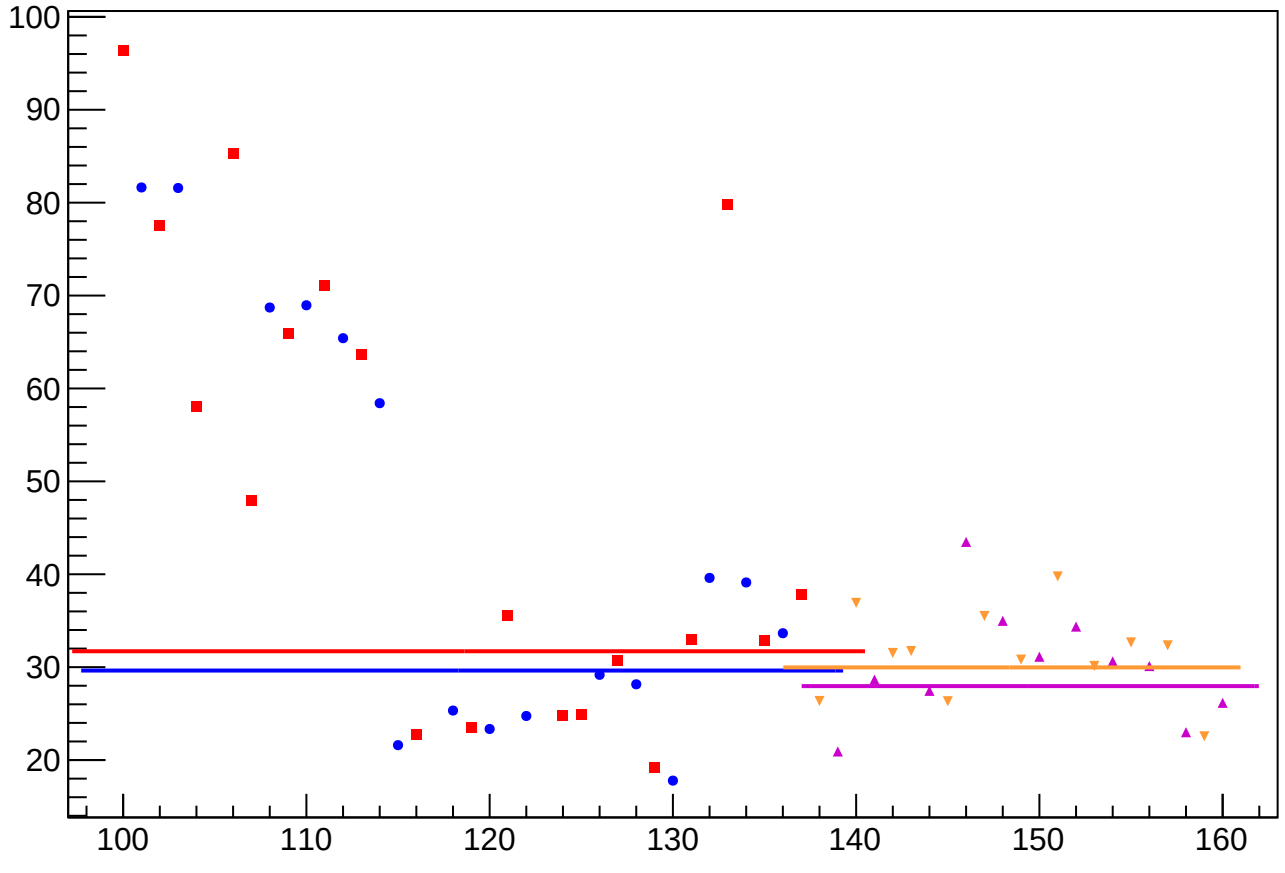
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.009 χ^2/NDF:18.3/10

+ sign 0.010+/-0.008 χ^2/NDF: 35.5/27

All: 0.006+/-0.005 χ^2/NDF: 67.0/57

- 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: 29.974+/-0.007 χ^2/NDF:451807.2/11

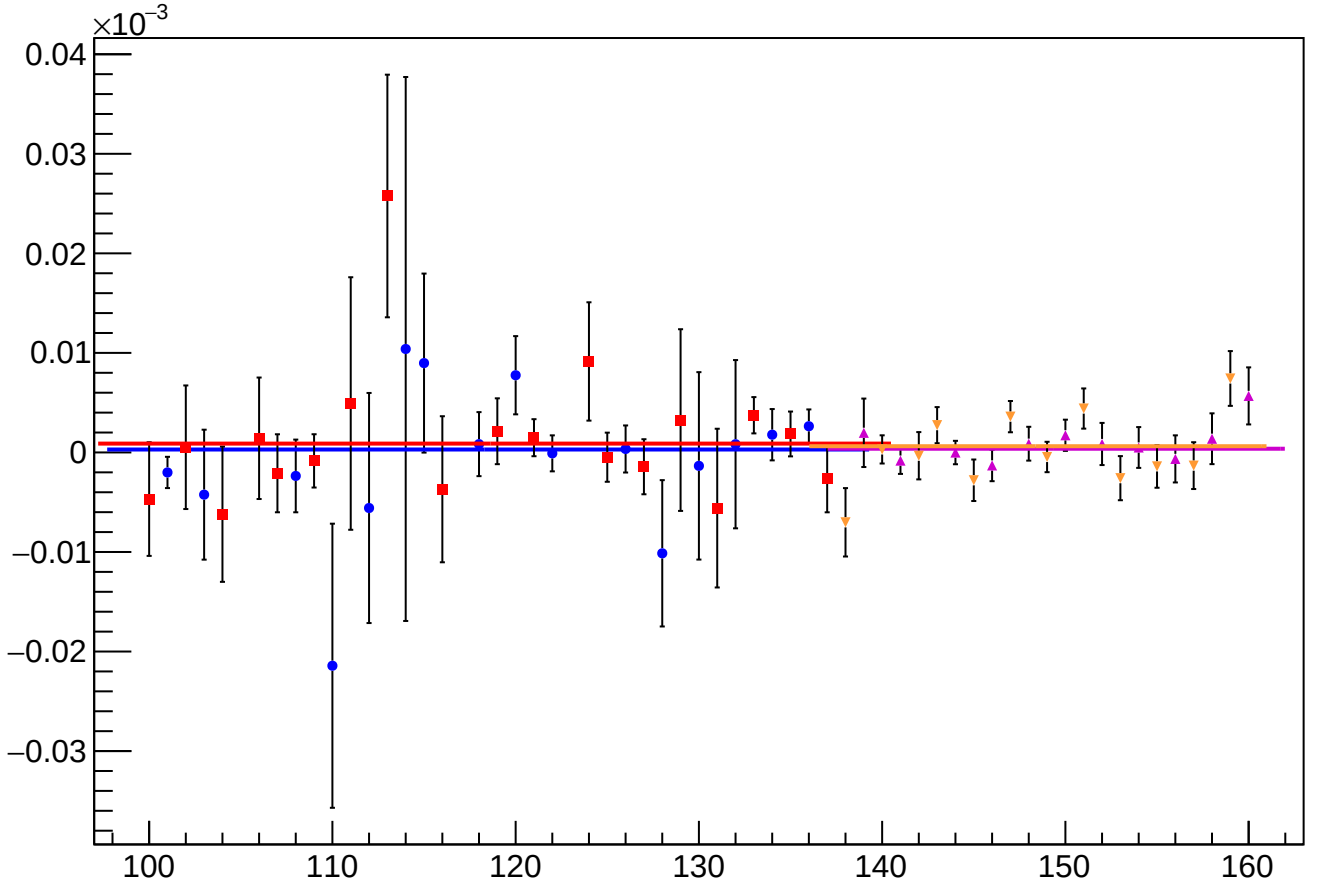
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.958+/-0.007 χ^2/NDF:628226.1/10

+ sign 29.841+/-0.006 χ^2/NDF: 2901164.4/27

All: 29.523+/-0.004 χ^2/NDF: 6294140.6/57

- 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:26.6/11

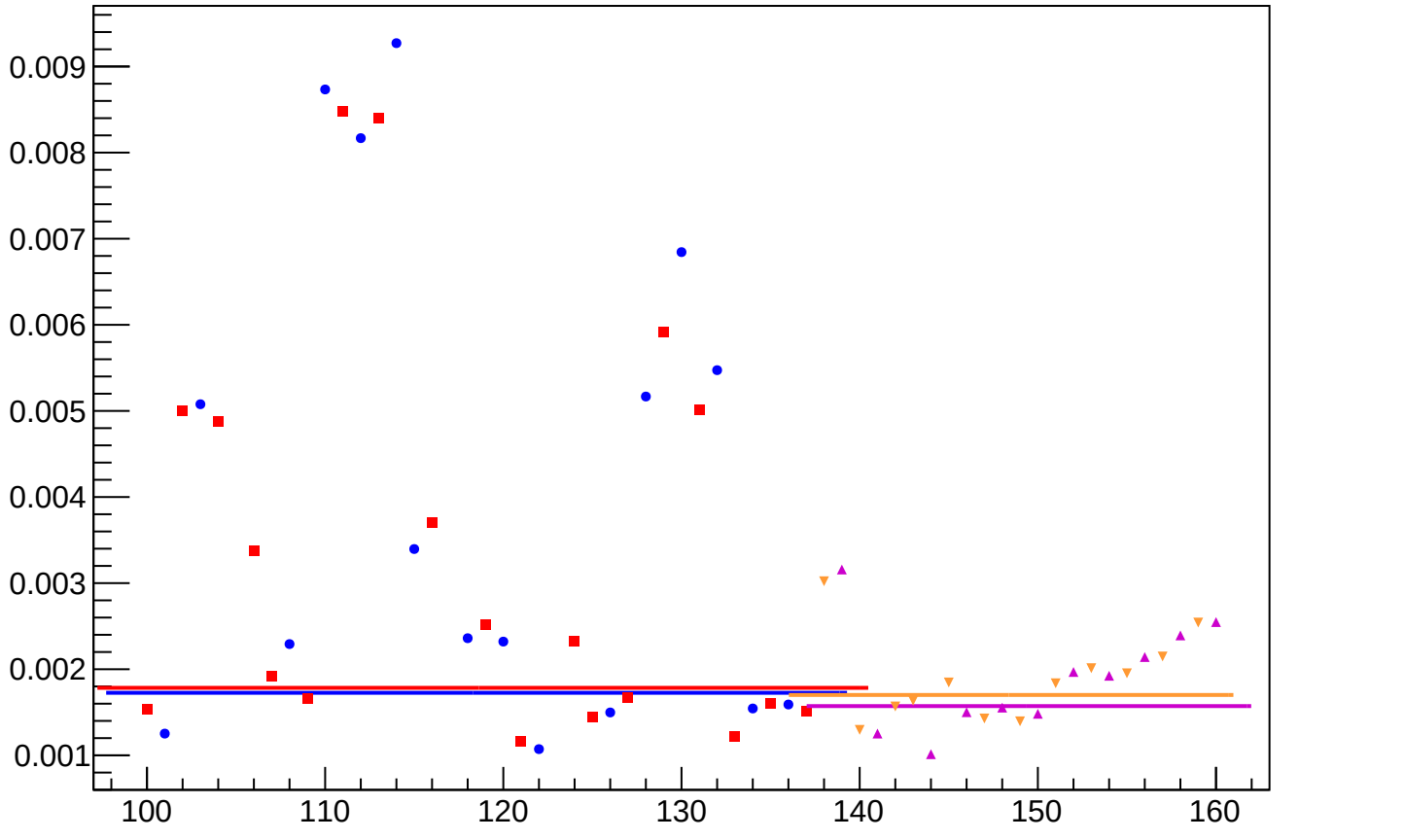
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/27

All: 0.000+/-0.000 χ^2/NDF: 64.1/57

- 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:953861.7/11

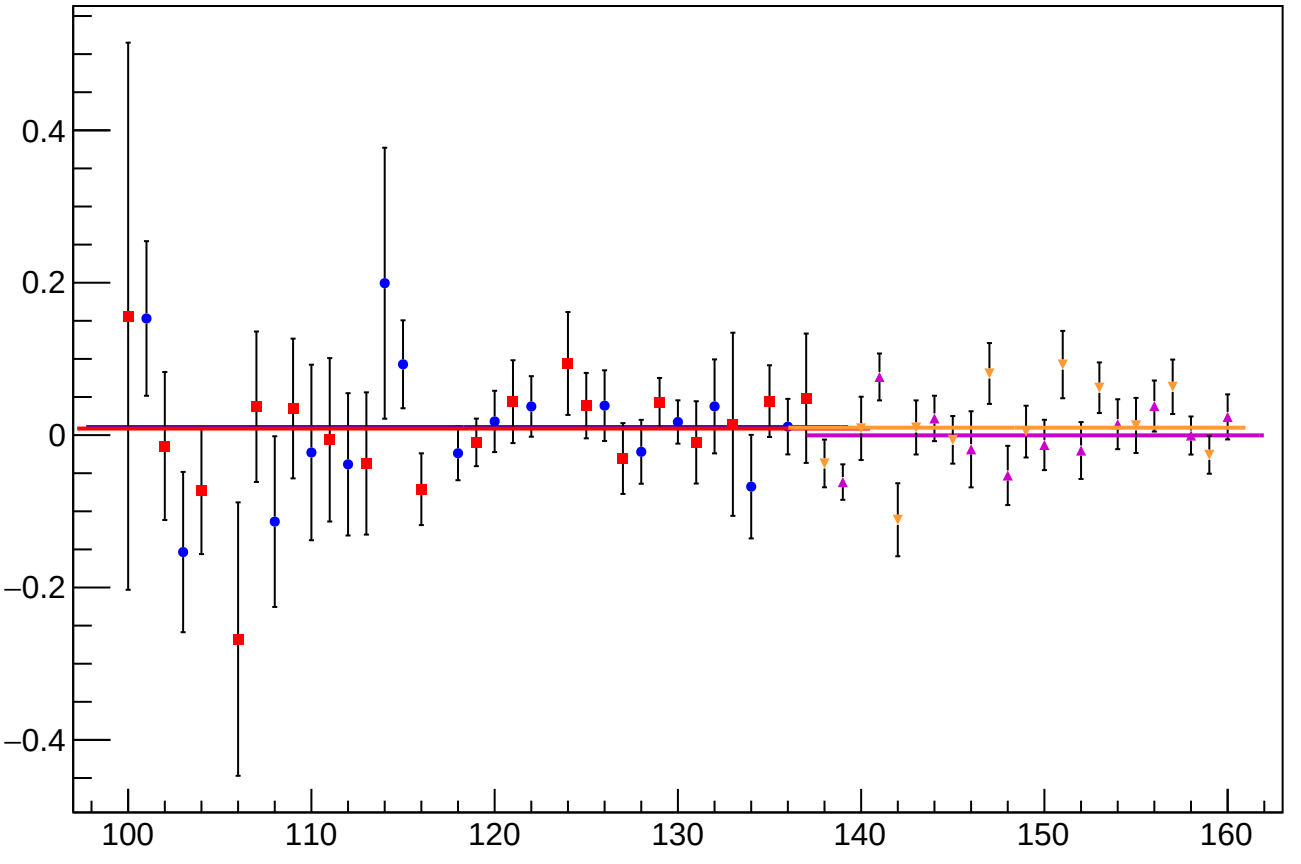
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1685412.5/10

+ sign 0.002+/-0.000 χ^2/NDF: 4887503.9/27

All: 0.002+/-0.000 χ^2/NDF: 10415811.3/57

- 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: 0.010+/-0.010 χ^2/NDF:22.4/11

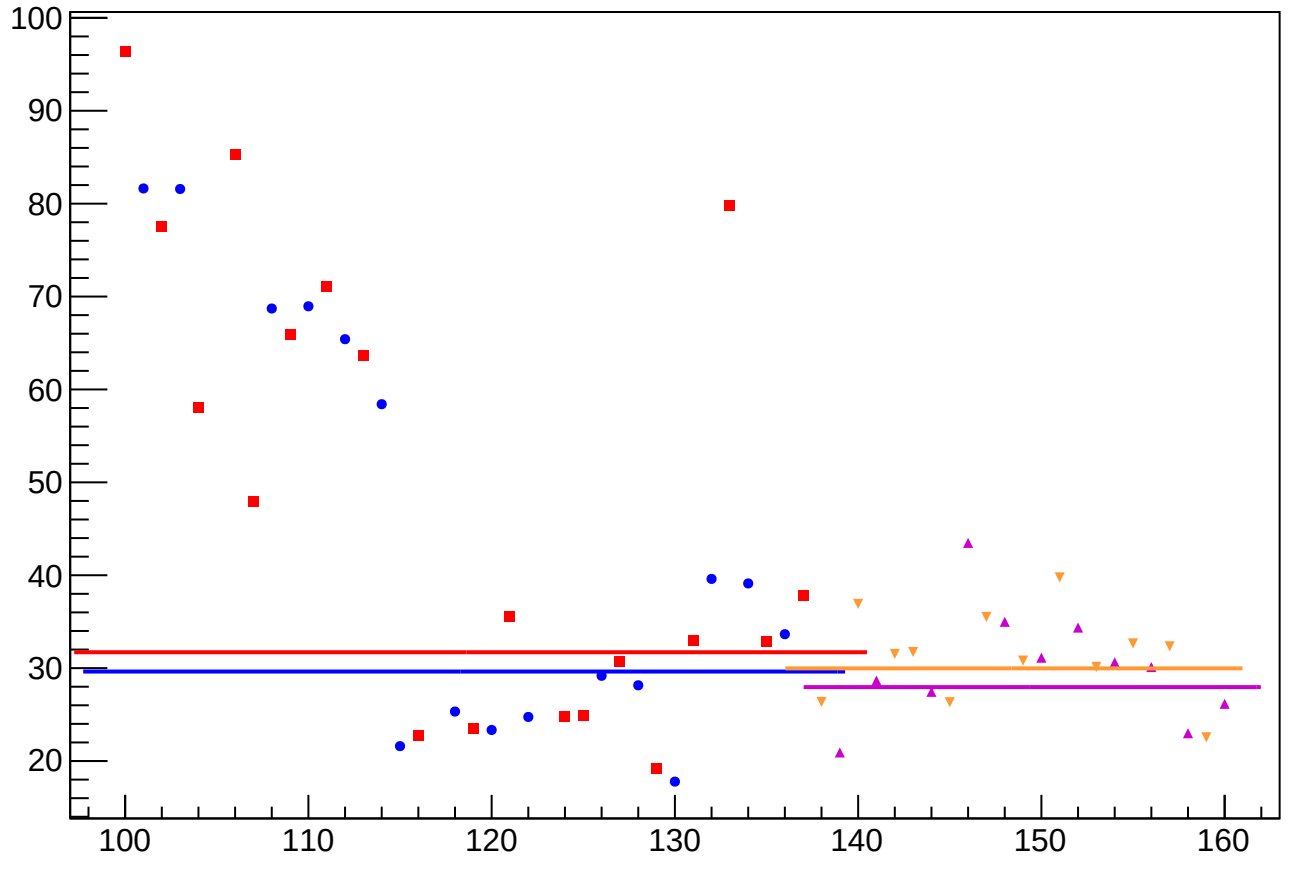
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.009 χ^2/NDF:18.3/10

+ sign 0.010+/-0.008 χ^2/NDF: 35.5/27

All: 0.006+/-0.005 χ^2/NDF: 67.0/57

- 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: 29.974+/-0.007 χ^2/NDF:451832.2/11

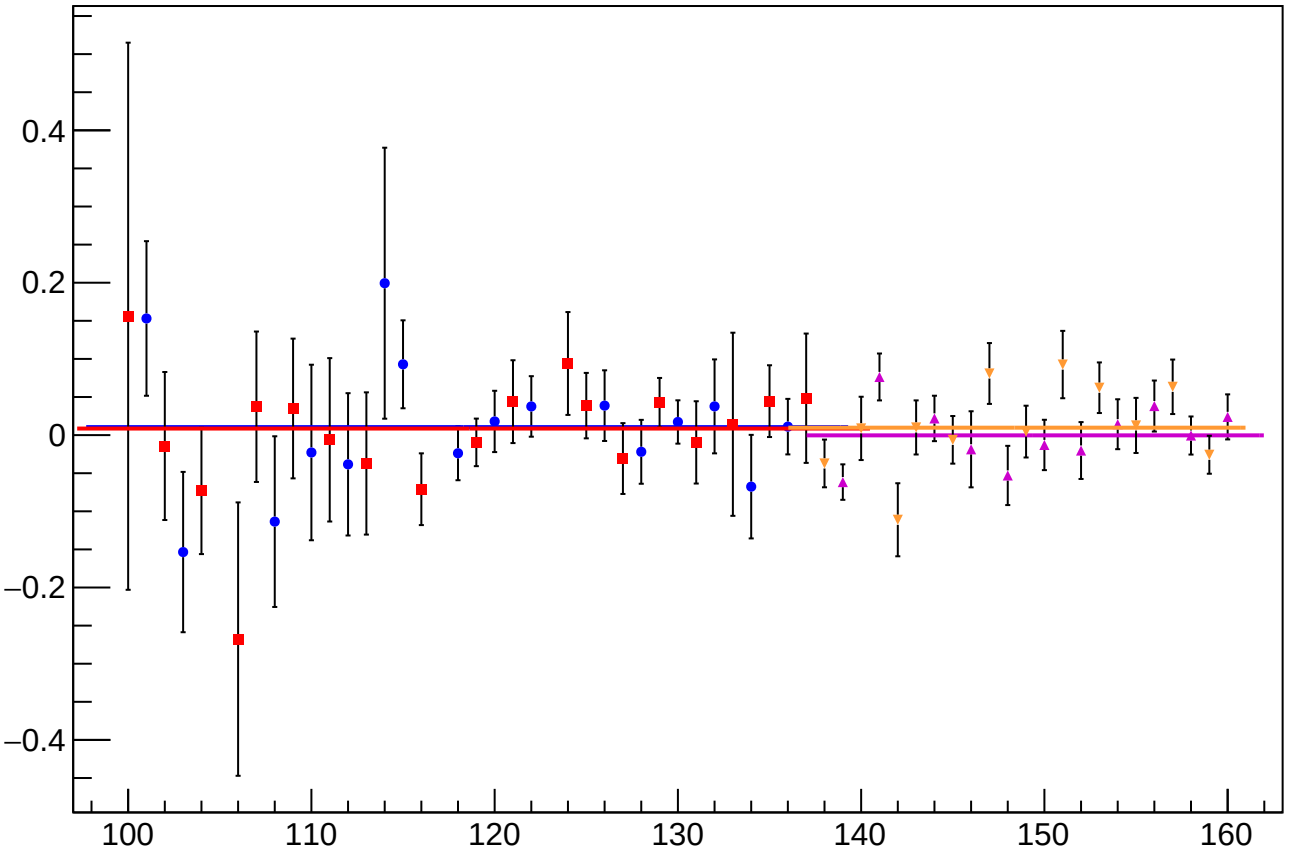
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.958+/-0.007 χ^2/NDF:628240.6/10

+ sign 29.841+/-0.006 χ^2/NDF: 2901399.9/27

All: 29.523+/-0.004 χ^2/NDF: 6294472.9/57

- sign 29.218+/-0.005 χ^2/NDF: 3386615.1/29



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.010+/-0.010 χ^2/NDF:22.4/11

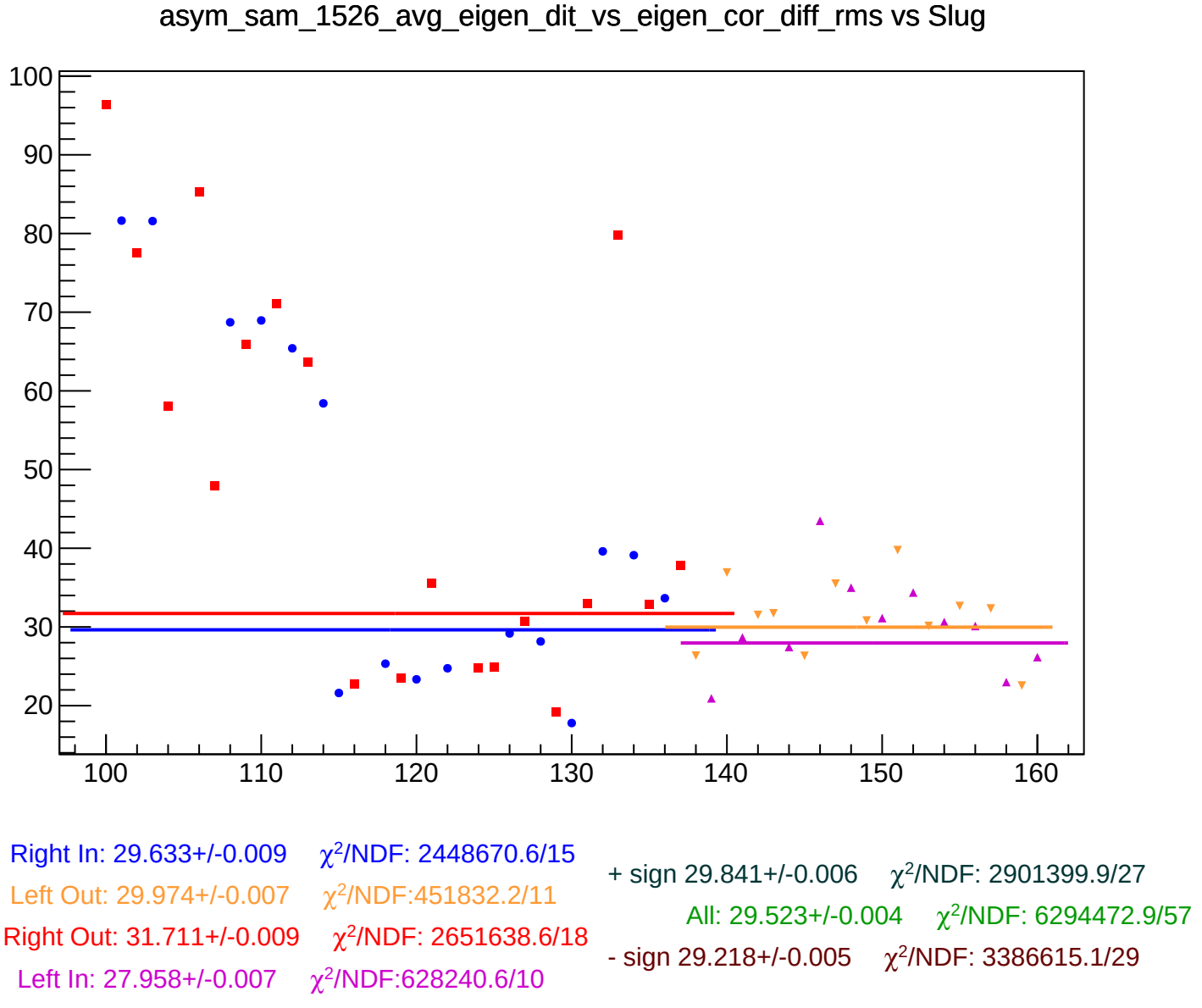
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

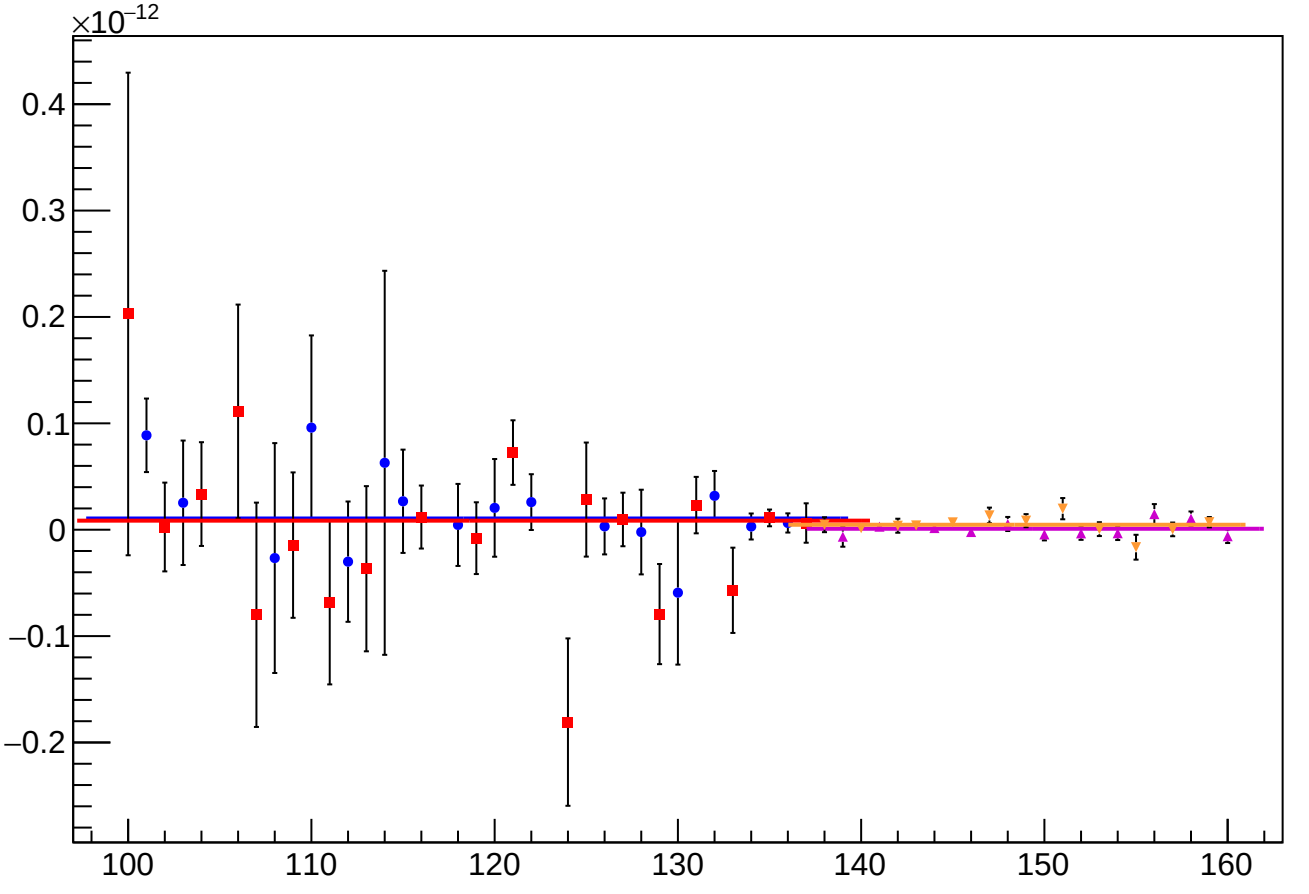
Left In: -0.000+/-0.009 χ^2/NDF:18.3/10

+ sign 0.010+/-0.008 χ^2/NDF: 35.5/27

All: 0.006+/-0.005 χ^2/NDF: 67.0/57

- sign 0.003+/-0.008 χ^2/NDF: 31.0/29


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 29.633+/-0.009 χ²/NDF: 2448670.6/15
Left Out: 29.974+/-0.007 χ²/NDF:451832.2/11
Right Out: 31.711+/-0.009 χ²/NDF: 2651638.6/18
Left In: 27.958+/-0.007 χ²/NDF:628240.6/10
+ sign 29.841+/-0.006 χ²/NDF: 2901399.9/27
All: 29.523+/-0.004 χ²/NDF: 6294472.9/57
- sign 29.218+/-0.005 χ²/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:9.6/11

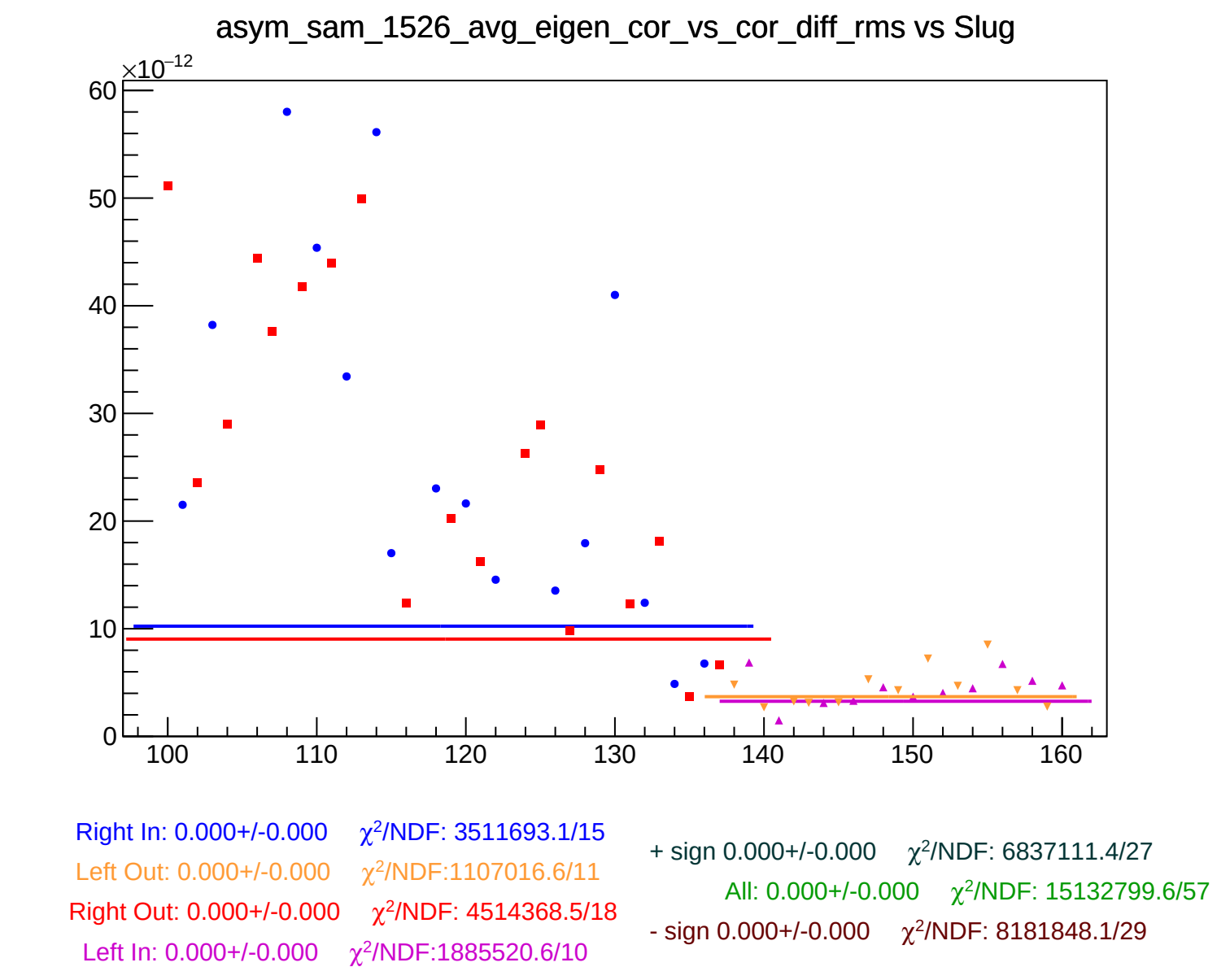
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/10

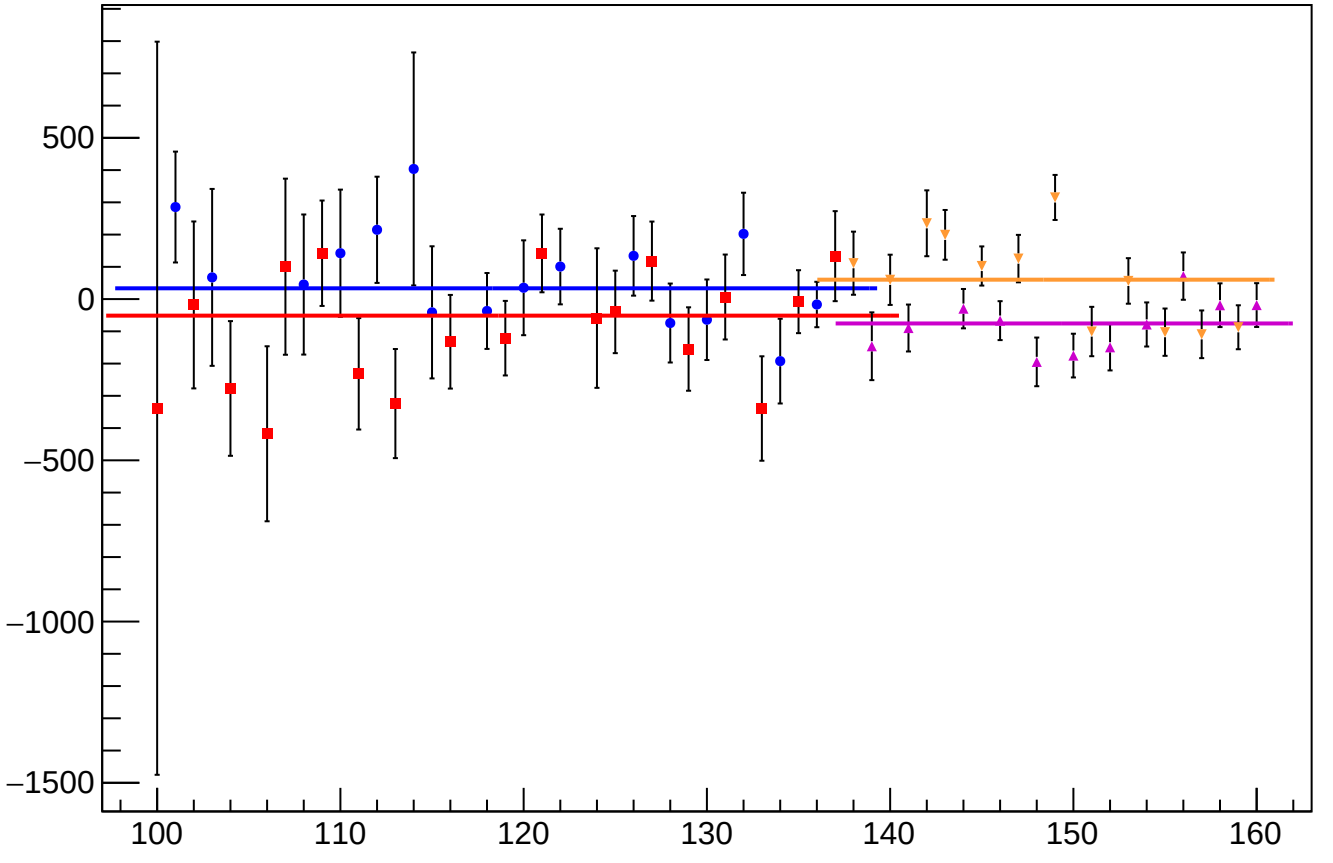
+ sign 0.000+/-0.000 χ^2/NDF: 20.5/27

All: 0.000+/-0.000 χ^2/NDF: 55.6/57

- 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:1107016.6/11
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: 6837111.4/27
All: 0.000+/-0.000 χ²/NDF: 15132799.6/57
- 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: 60.186+/-21.568 χ^2/NDF:40.3/11

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

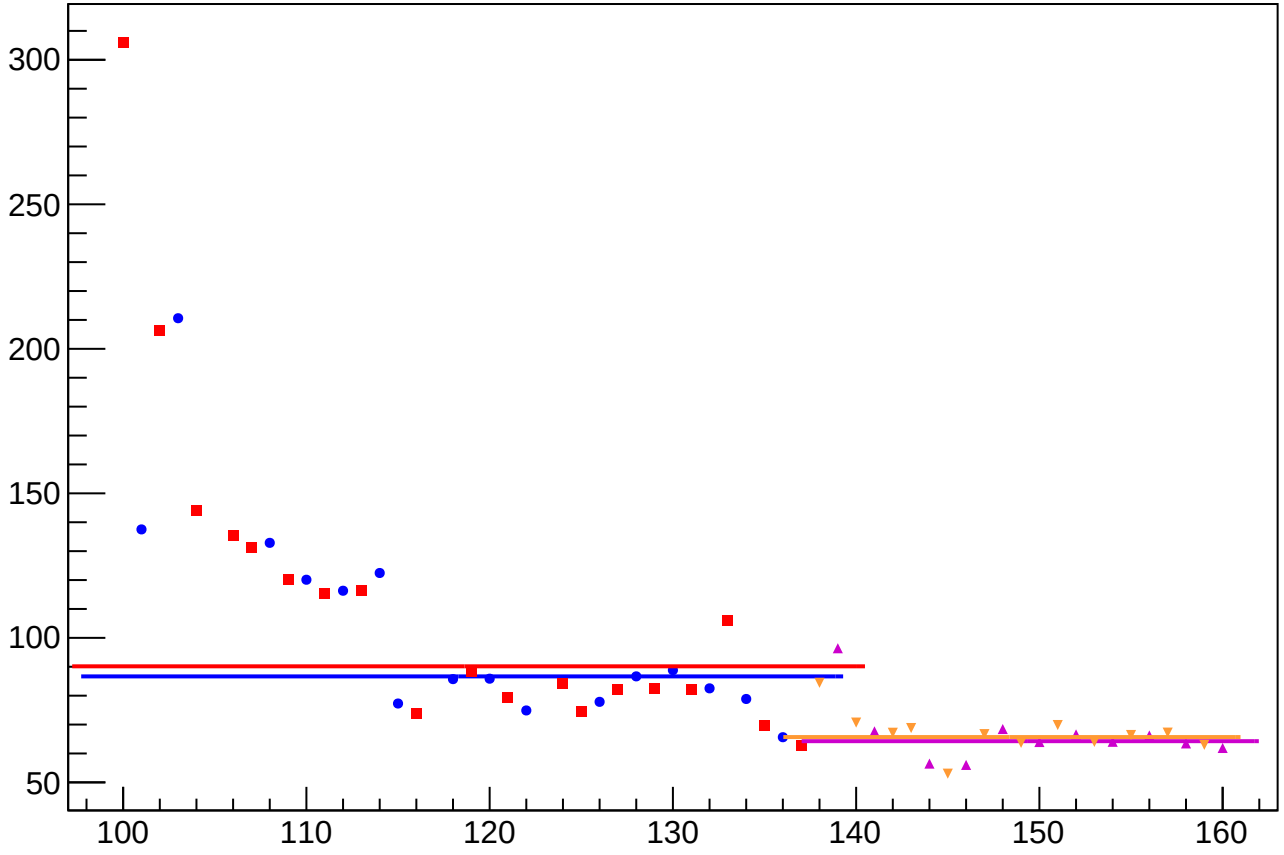
Left In: -75.574+/-21.111 χ^2/NDF:12.2/10

+ sign 52.470+/-18.194 χ^2/NDF: 53.6/27

All: -8.761+/-12.816 χ^2/NDF: 108.2/57

- 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: 65.676+/-0.015 χ^2/NDF:185847.0/11

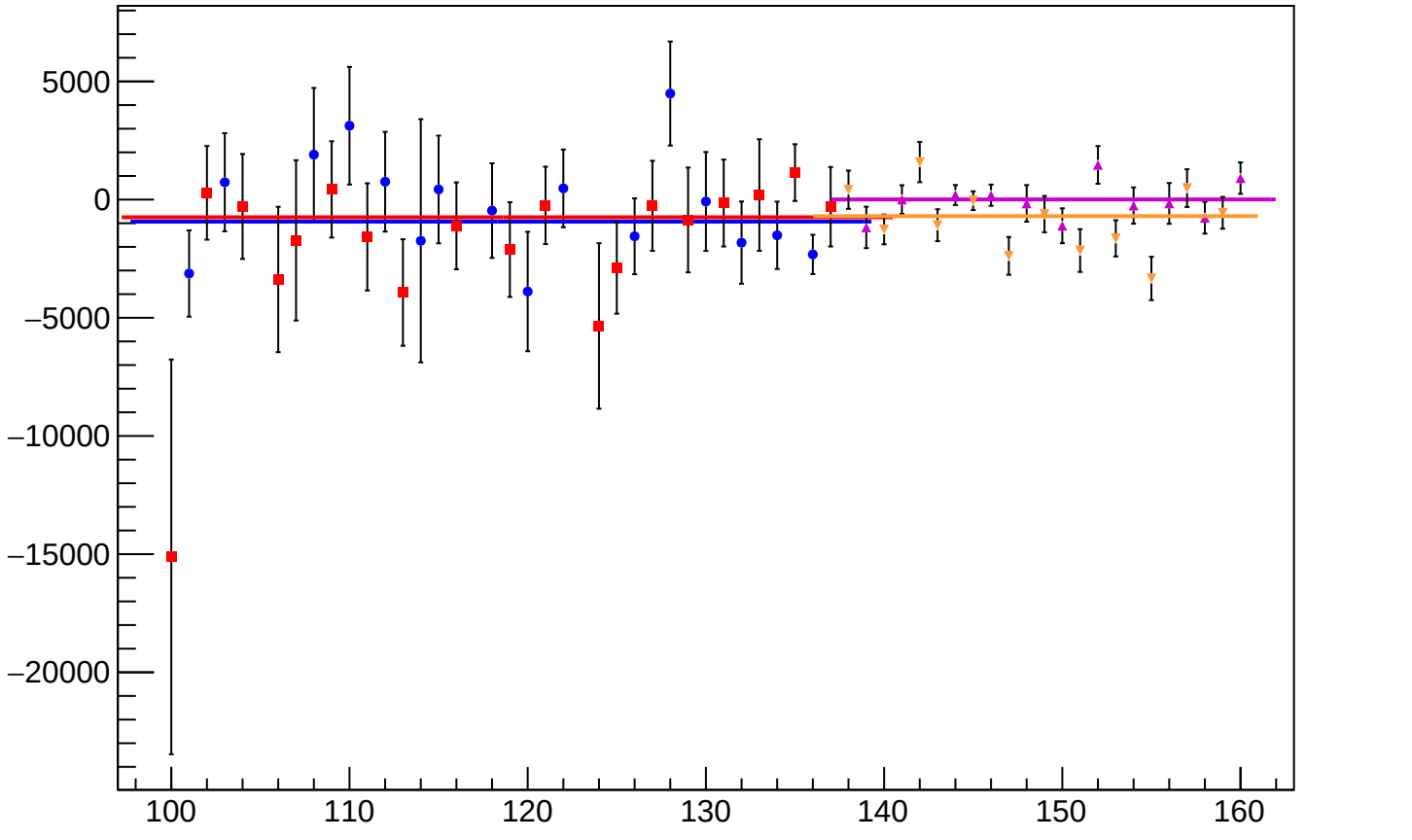
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.254+/-0.015 χ^2/NDF:273486.8/10

+ sign 71.729+/-0.013 χ^2/NDF: 1770917.9/27

All: 71.466+/-0.009 χ^2/NDF: 4003238.4/57

- 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: -700.534+/-199.201 χ^2/NDF:32.1/11

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

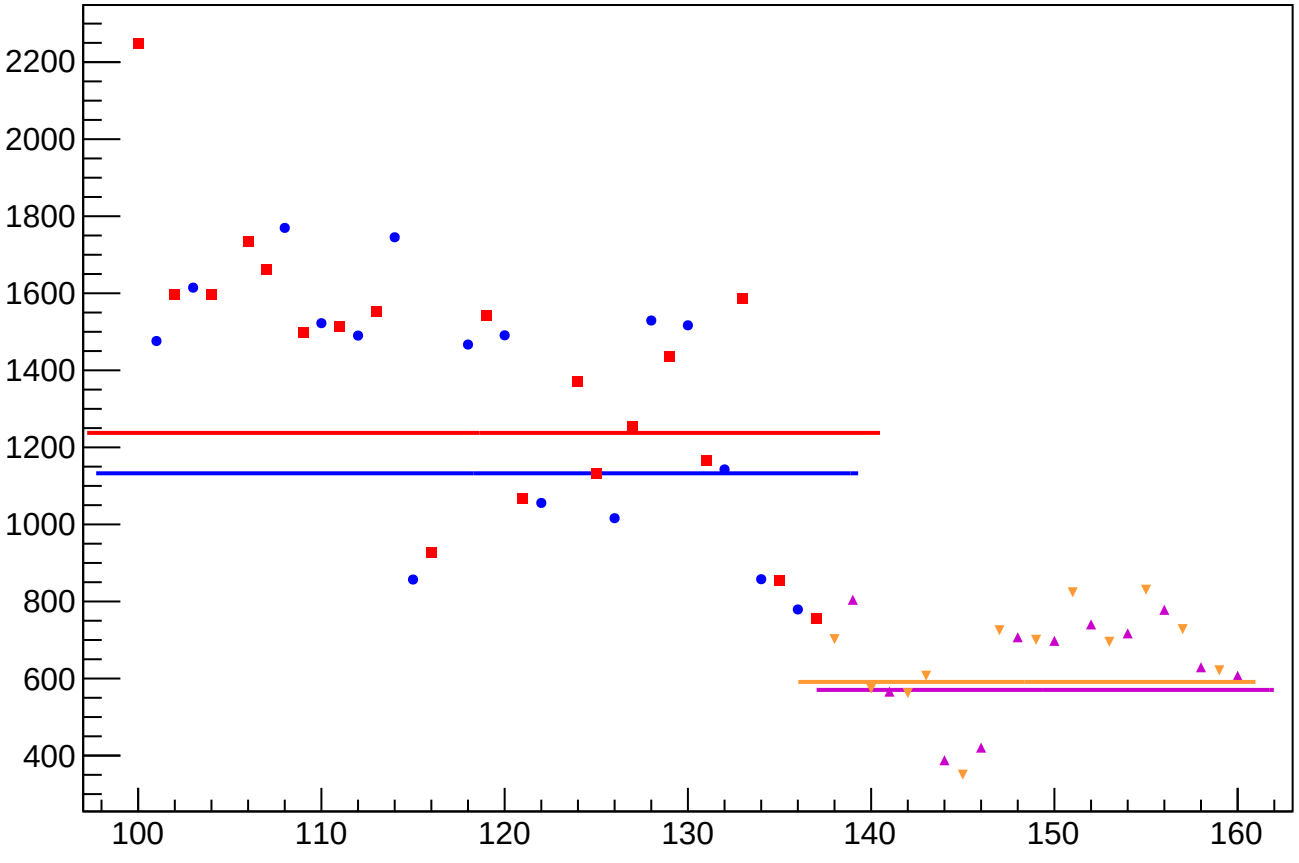
Left In: 7.086+/-191.795 χ^2/NDF:11.2/10

+ sign -739.405+/-181.532 χ^2/NDF: 50.8/27

All: -413.184+/-126.900 χ^2/NDF: 83.5/57

- 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: 591.185+/-0.141 χ^2/NDF:1251893.8/11

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

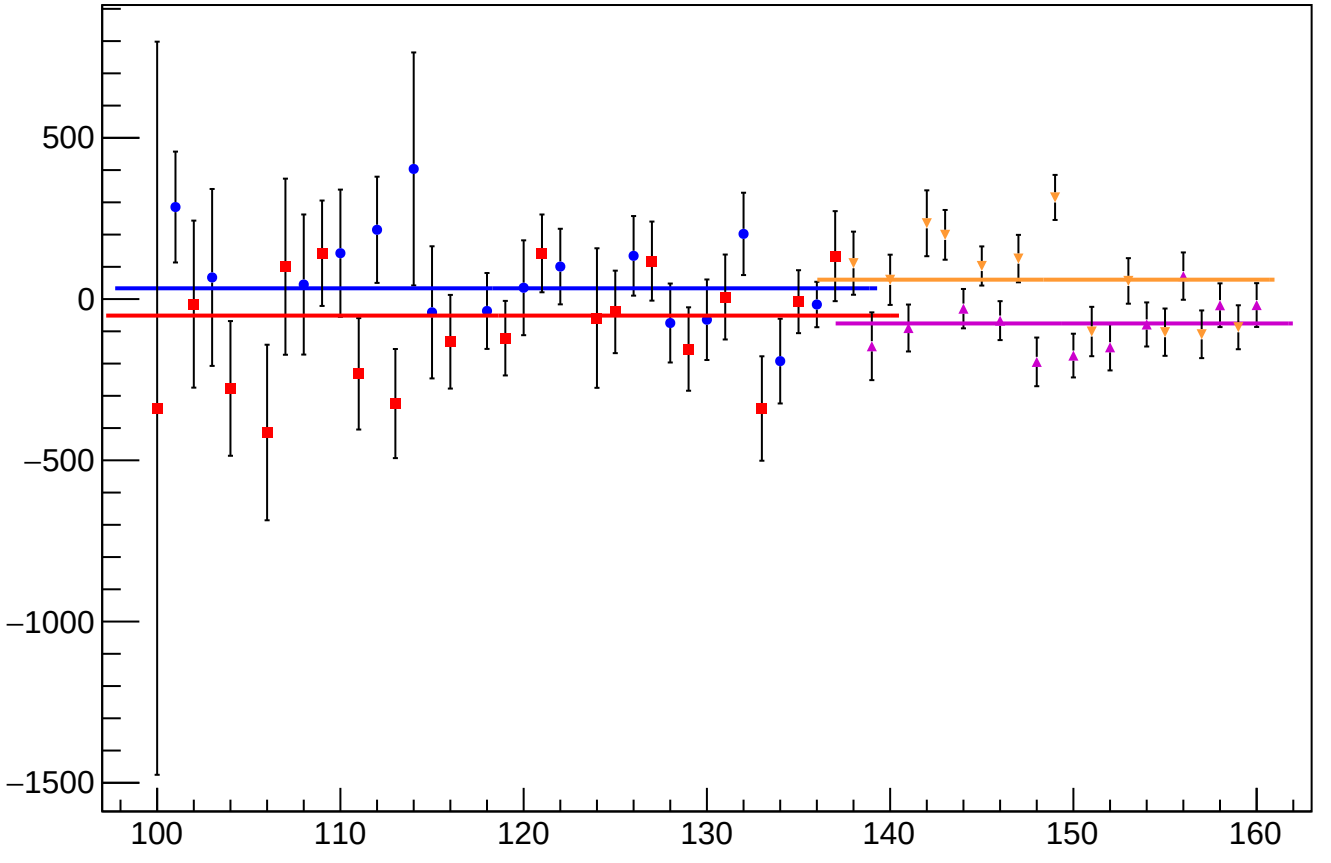
Left In: 570.470+/-0.136 χ^2/NDF:1162457.3/10

+ sign 682.985+/-0.128 χ^2/NDF: 4881520.4/27

All: 674.523+/-0.090 χ^2/NDF: 10428580.9/57

- 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: 60.190+/-21.568 χ^2/NDF:40.3/11

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

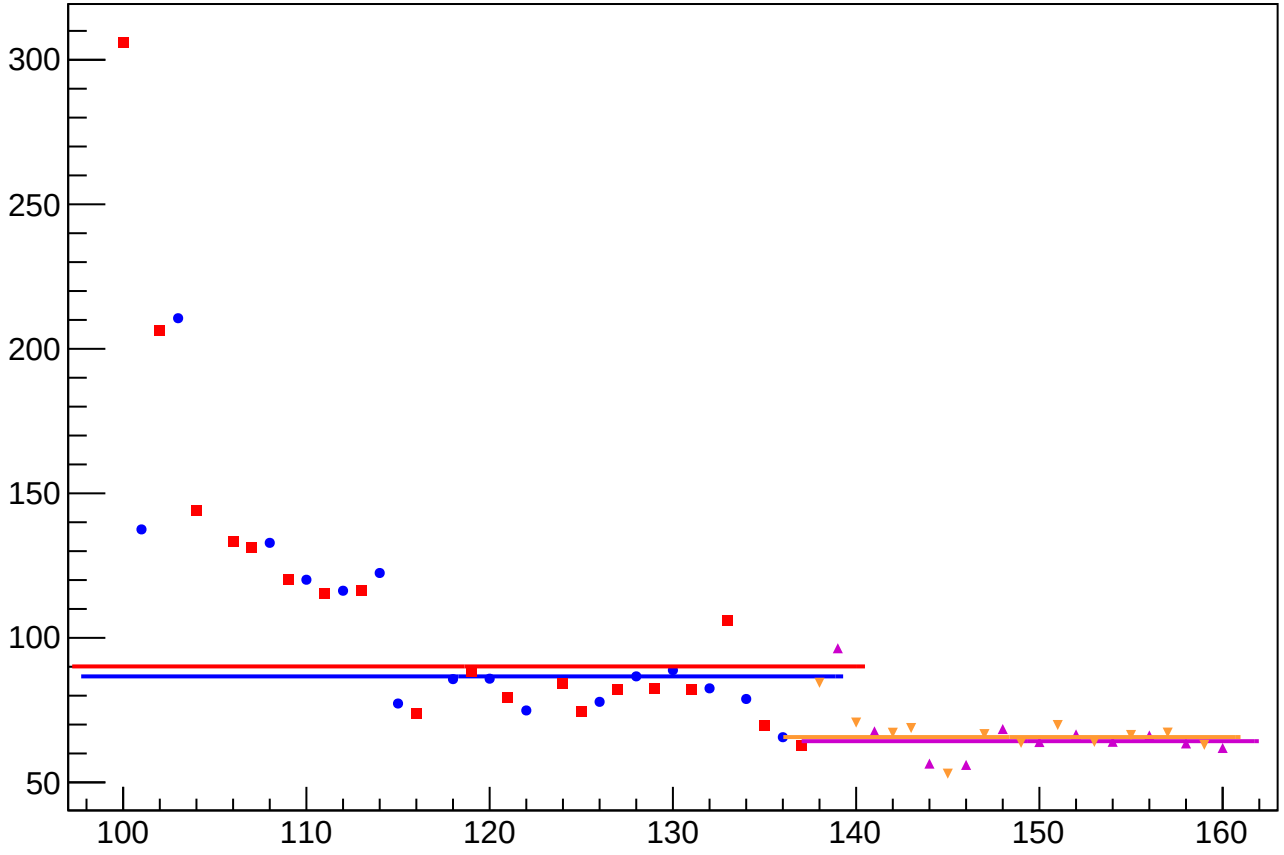
Left In: -75.574+/-21.111 χ^2/NDF:12.2/10

+ sign 52.471+/-18.194 χ^2/NDF: 53.6/27

All: -8.740+/-12.817 χ^2/NDF: 108.1/57

- 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: 65.676+/-0.015 χ^2/NDF:185847.0/11

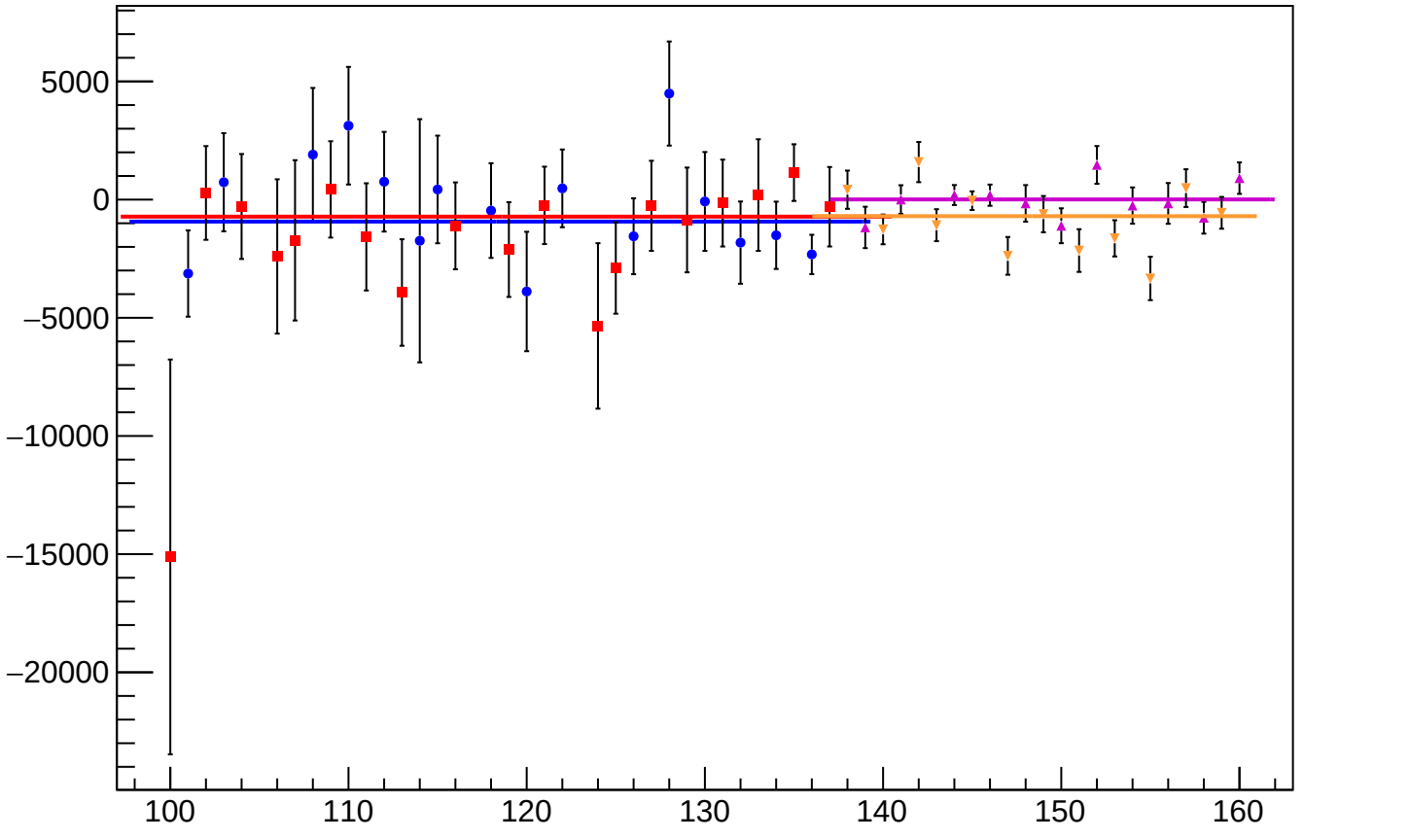
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.254+/-0.015 χ^2/NDF:273486.8/10

+ sign 71.729+/-0.013 χ^2/NDF: 1770920.4/27

All: 71.460+/-0.009 χ^2/NDF: 3996197.0/57

- 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: -700.527+/-199.201 χ^2/NDF:32.1/11

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

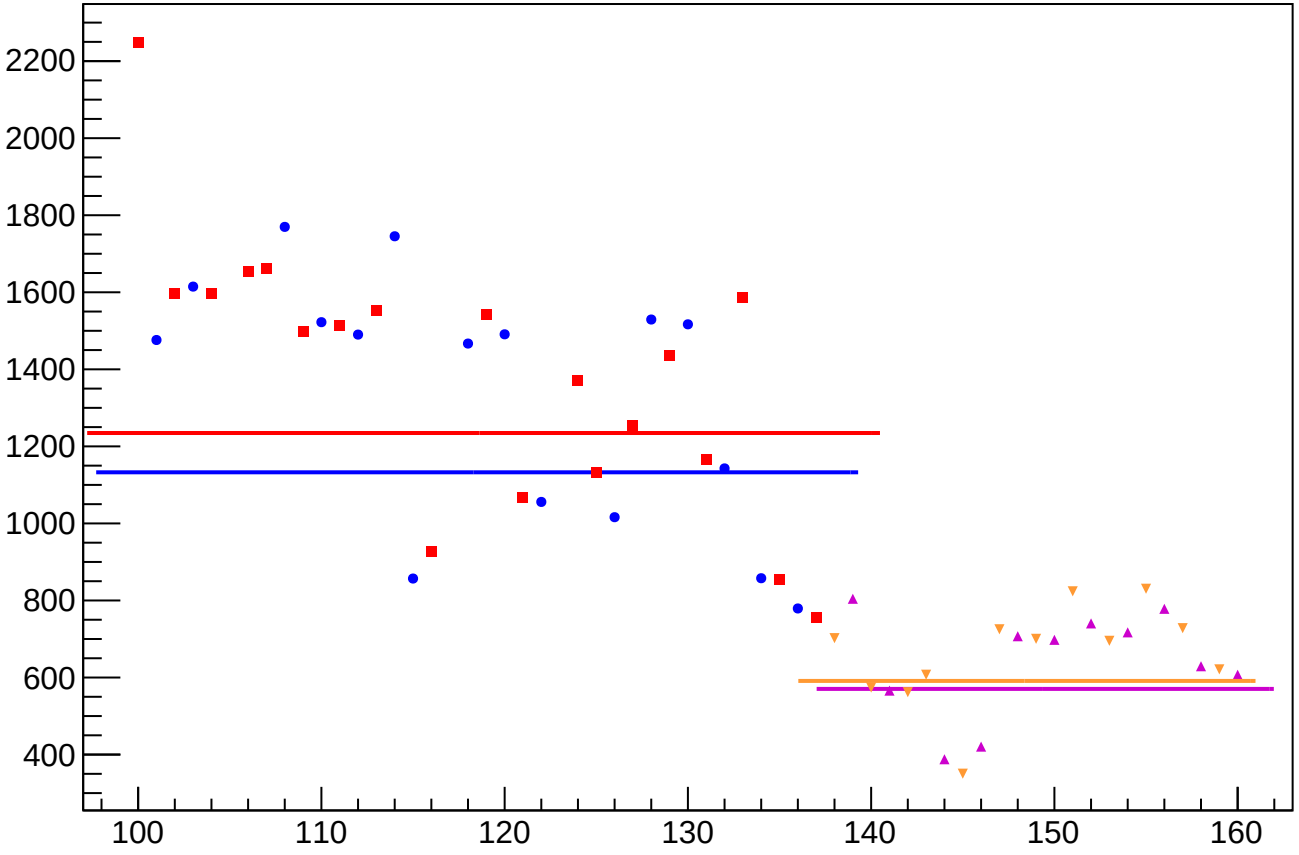
Left In: 7.084+/-191.795 χ^2/NDF:11.2/10

+ sign -739.393+/-181.532 χ^2/NDF: 50.8/27

All: -411.161+/-126.913 χ^2/NDF: 83.0/57

- 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: 591.185+/-0.141 χ^2/NDF:1251896.8/11

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

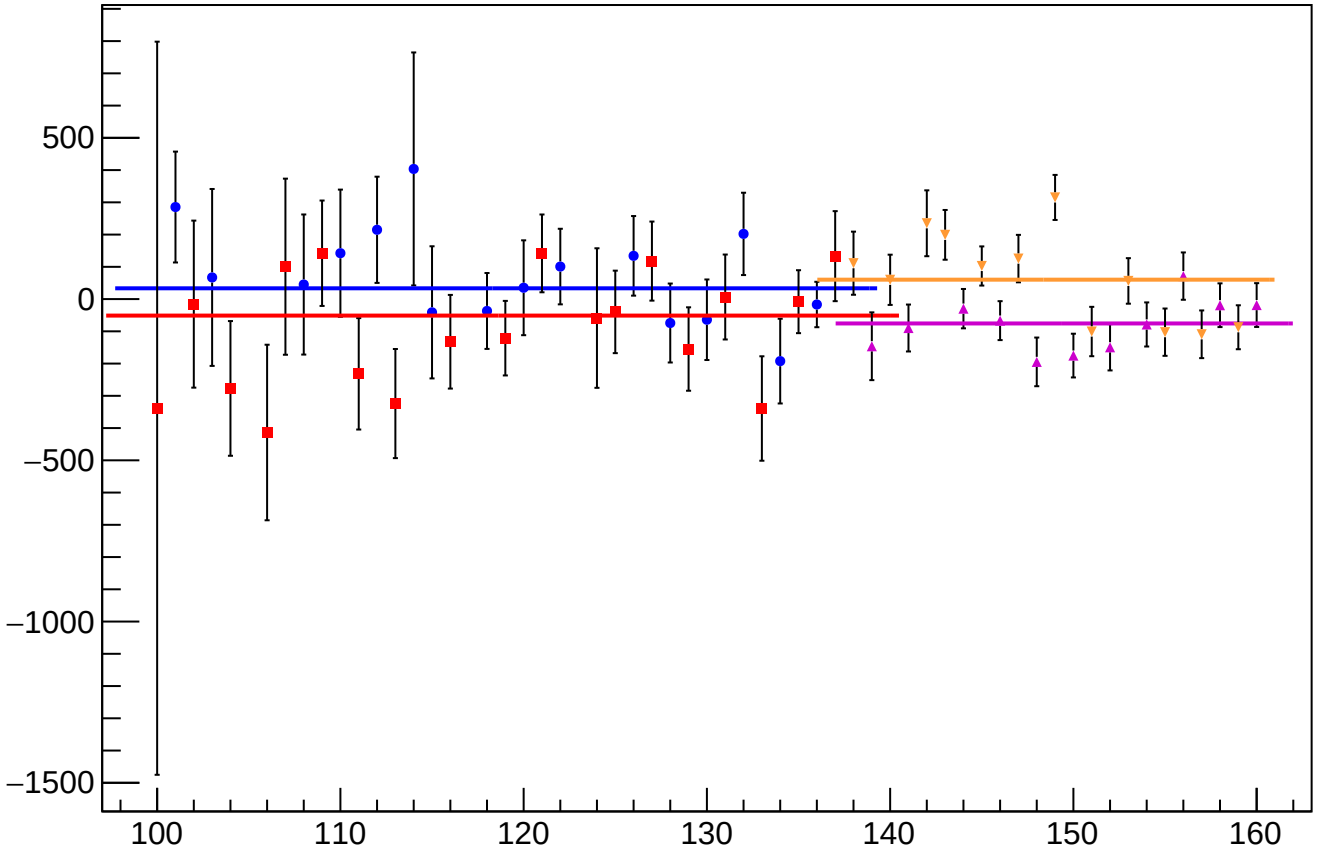
Left In: 570.470+/-0.136 χ^2/NDF:1162457.9/10

+ sign 682.984+/-0.128 χ^2/NDF: 4881562.7/27

All: 674.199+/-0.090 χ^2/NDF: 10372195.4/57

- 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: 60.190+/-21.568 χ^2/NDF:40.3/11

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

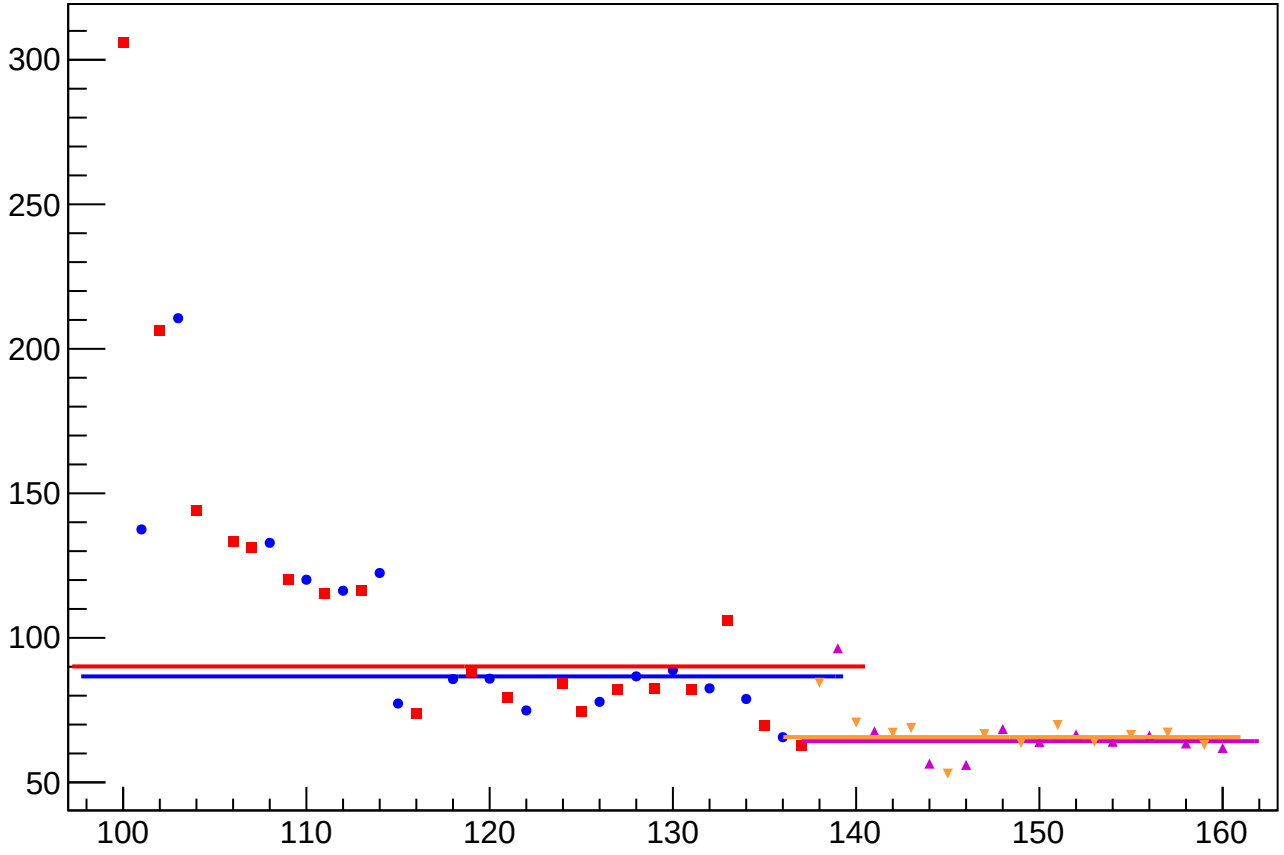
Left In: -75.574+/-21.111 χ^2/NDF:12.2/10

+ sign 52.471+/-18.194 χ^2/NDF: 53.6/27

All: -8.740+/-12.817 χ^2/NDF: 108.1/57

- 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: 65.676+/-0.015 χ^2/NDF:185847.0/11

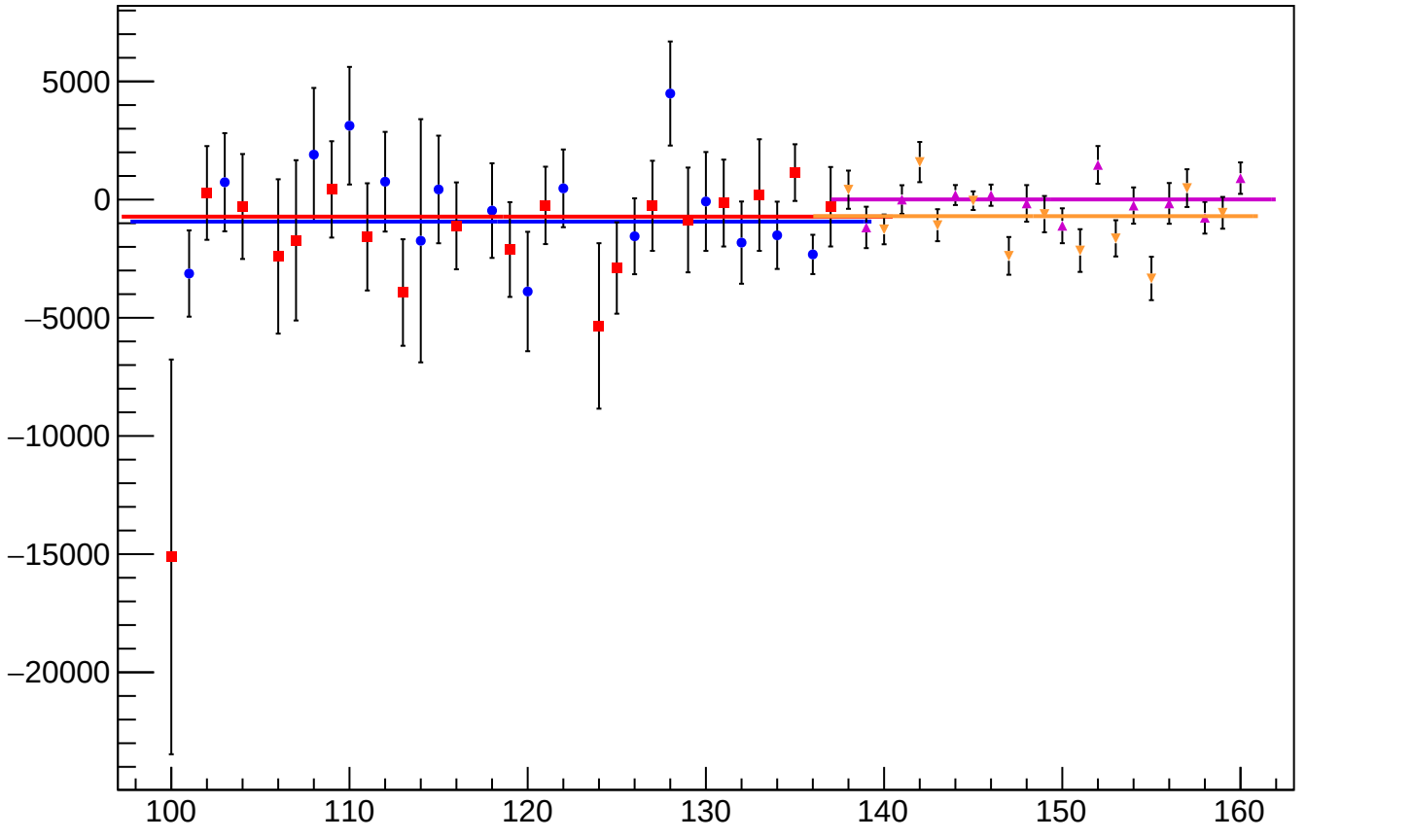
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.254+/-0.015 χ^2/NDF:273486.8/10

+ sign 71.729+/-0.013 χ^2/NDF: 1770920.4/27

All: 71.460+/-0.009 χ^2/NDF: 3996197.0/57

- 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: -700.527+/-199.201 χ^2/NDF:32.1/11

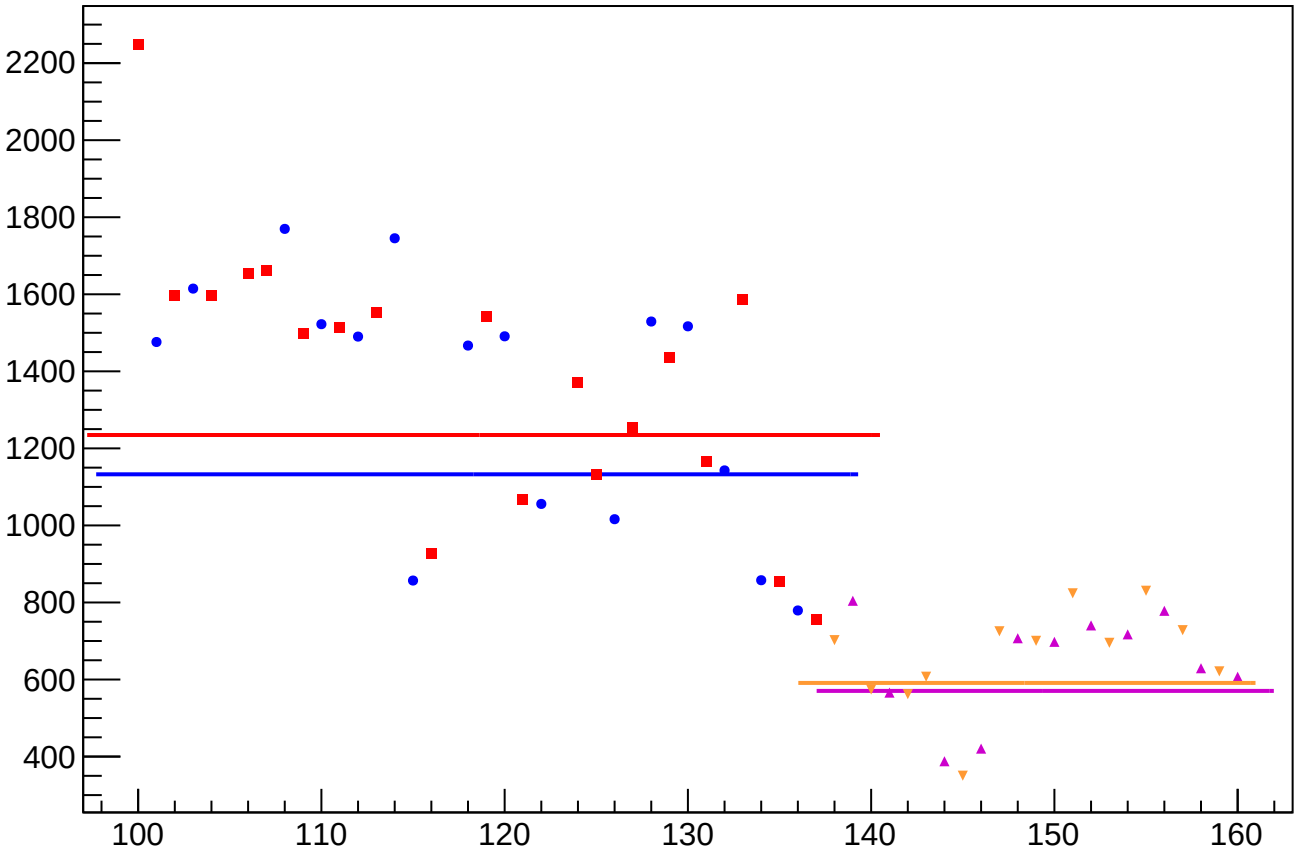
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 7.084+/-191.795 χ^2/NDF:11.2/10

+ sign -739.393+/-181.532 χ^2/NDF: 50.8/27

All: -411.161+/-126.913 χ^2/NDF: 83.0/57

- 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: 591.185+/-0.141 χ^2/NDF:1251896.8/11

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

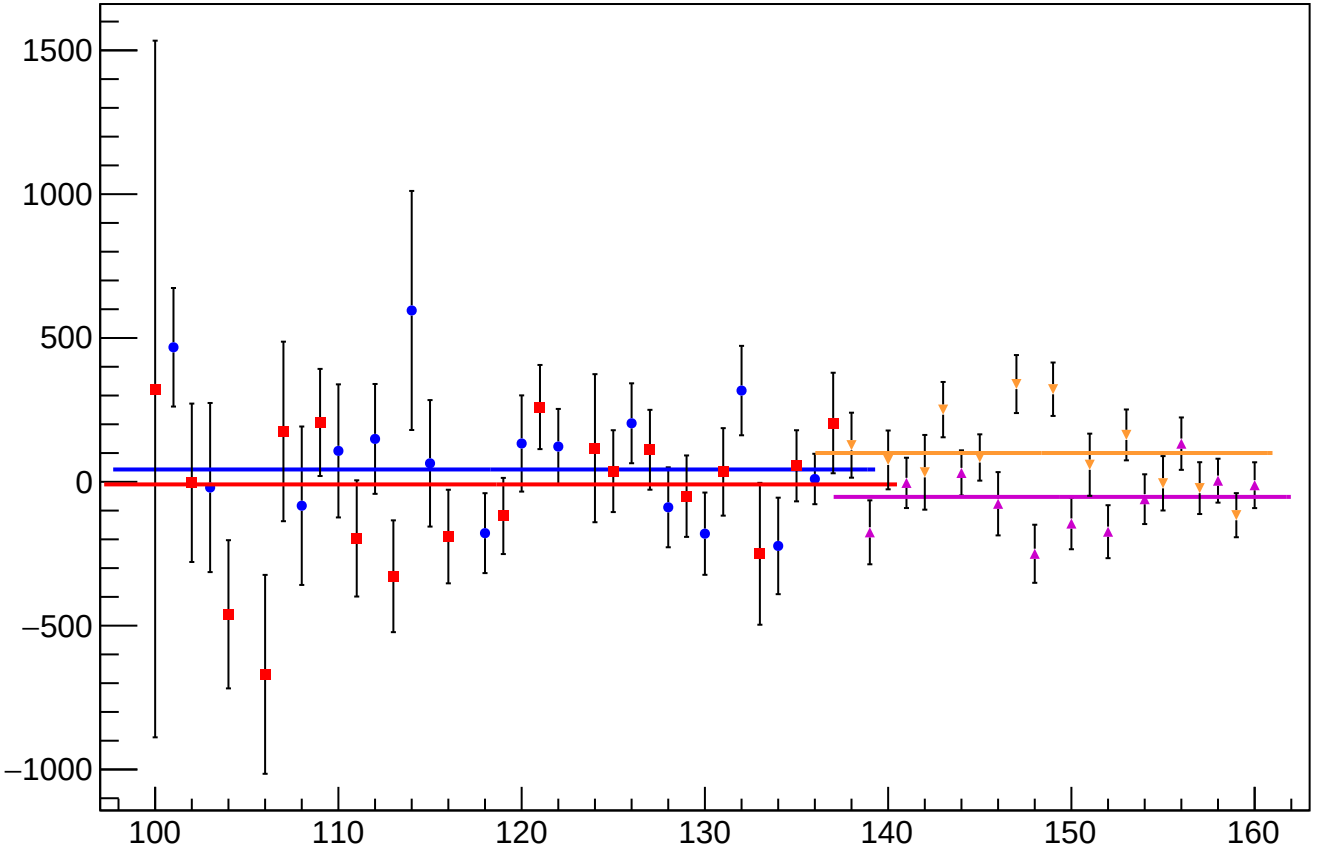
Left In: 570.470+/-0.136 χ^2/NDF:1162457.9/10

+ sign 682.984+/-0.128 χ^2/NDF: 4881562.7/27

All: 674.199+/-0.090 χ^2/NDF: 10372195.4/57

- 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: 100.175+/-27.430 χ^2/NDF:25.9/11

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

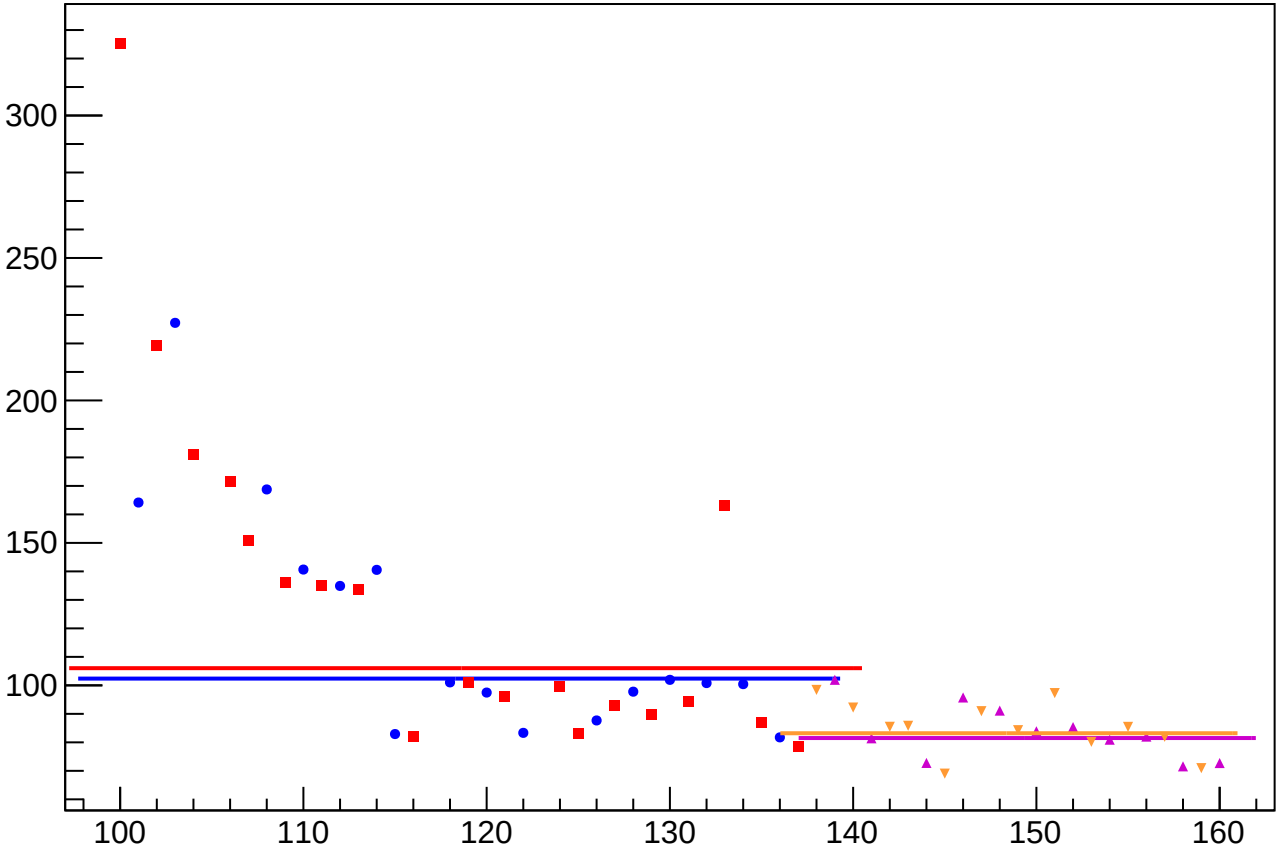
Left In: -52.399+/-26.913 χ^2/NDF:14.3/10

+ sign 81.828+/-22.612 χ^2/NDF: 47.6/27

All: 20.958+/-15.952 χ^2/NDF: 98.4/57

- 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: 83.196+/-0.019 χ^2/NDF:216960.0/11

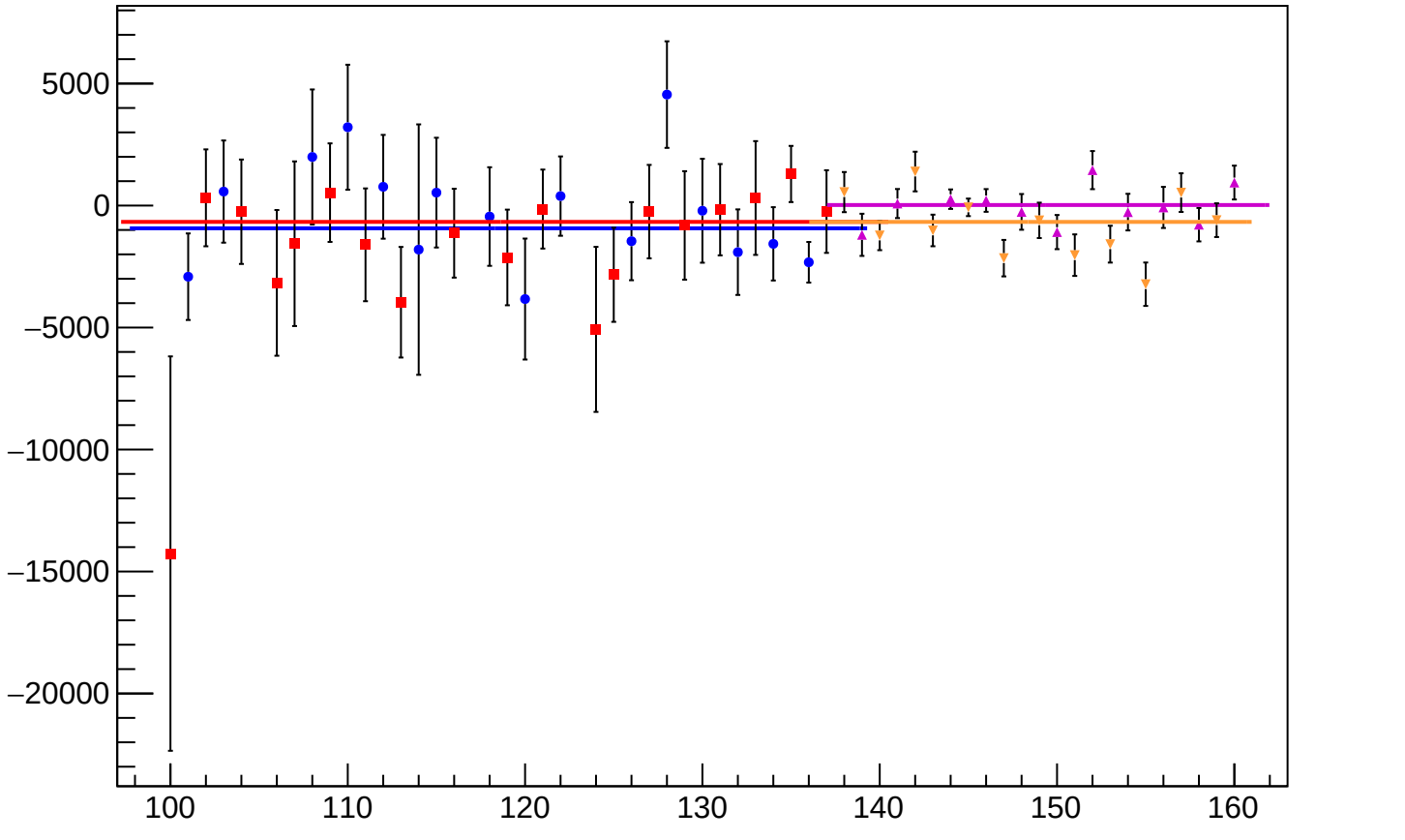
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 81.512+/-0.019 χ^2/NDF:207176.2/10

+ sign 89.342+/-0.016 χ^2/NDF: 1512670.4/27

All: 89.110+/-0.011 χ^2/NDF: 3410489.4/57

- 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: -669.544+/-190.171 χ^2/NDF:31.1/11

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

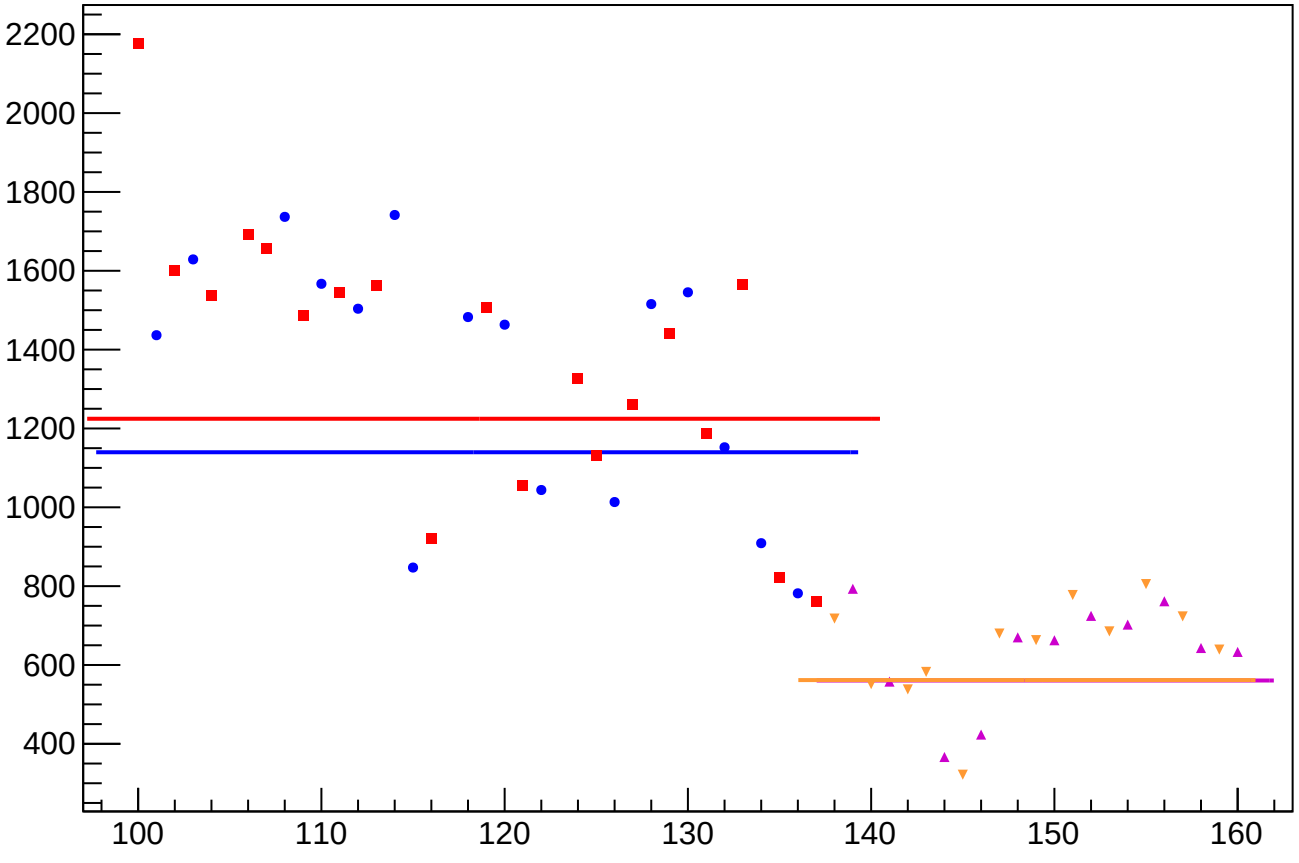
Left In: 22.515+/-189.088 χ^2/NDF:11.9/10

+ sign -710.486+/-174.733 χ^2/NDF: 49.9/27

All: -393.937+/-123.671 χ^2/NDF: 83.7/57

- 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: 561.698+/-0.134 χ^2/NDF:1498757.3/11

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

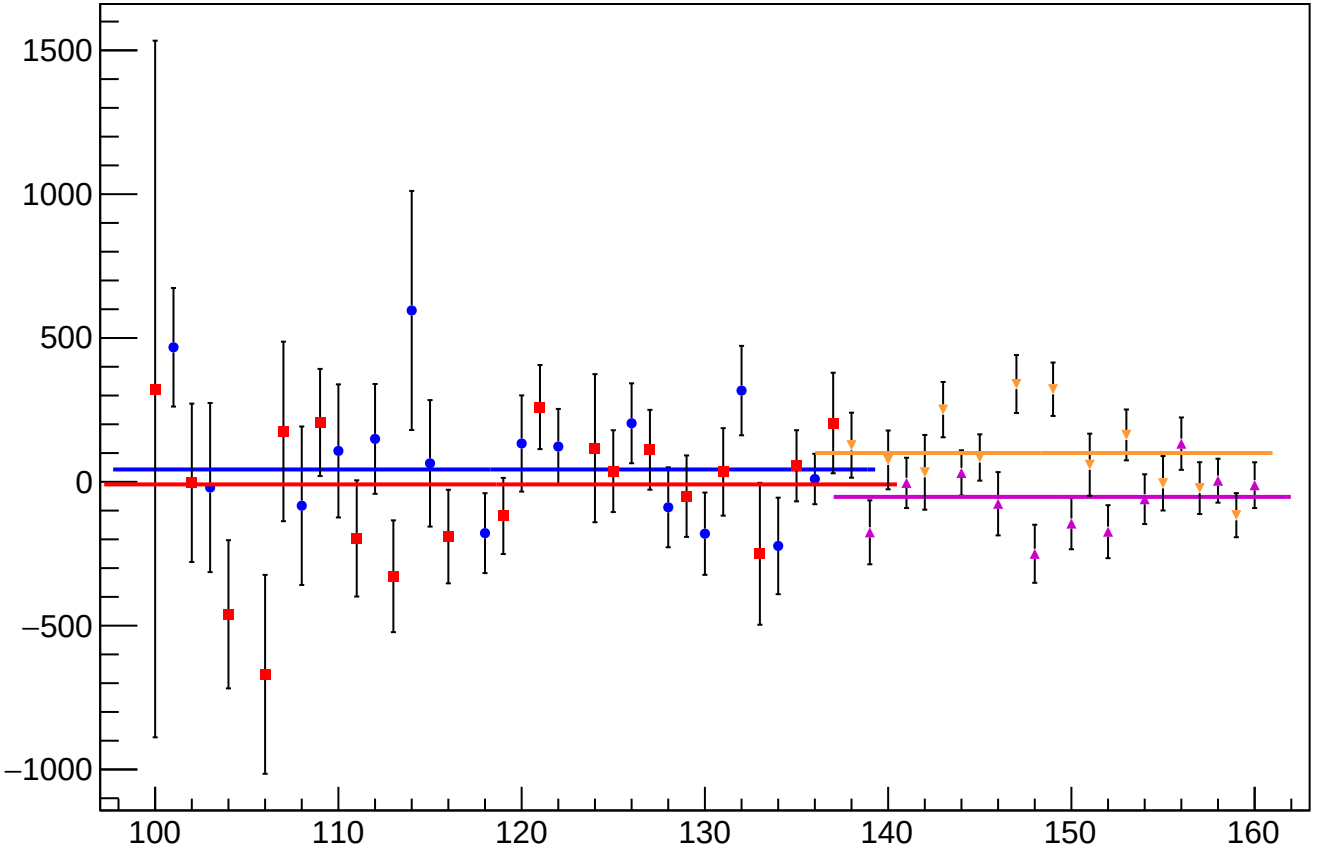
Left In: 560.637+/-0.134 χ^2/NDF:1201425.0/10

+ sign 651.726+/-0.124 χ^2/NDF: 5469689.4/27

All: 653.599+/-0.087 χ^2/NDF: 11116622.5/57

- 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: 100.176+/-27.430 χ^2/NDF:25.9/11

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

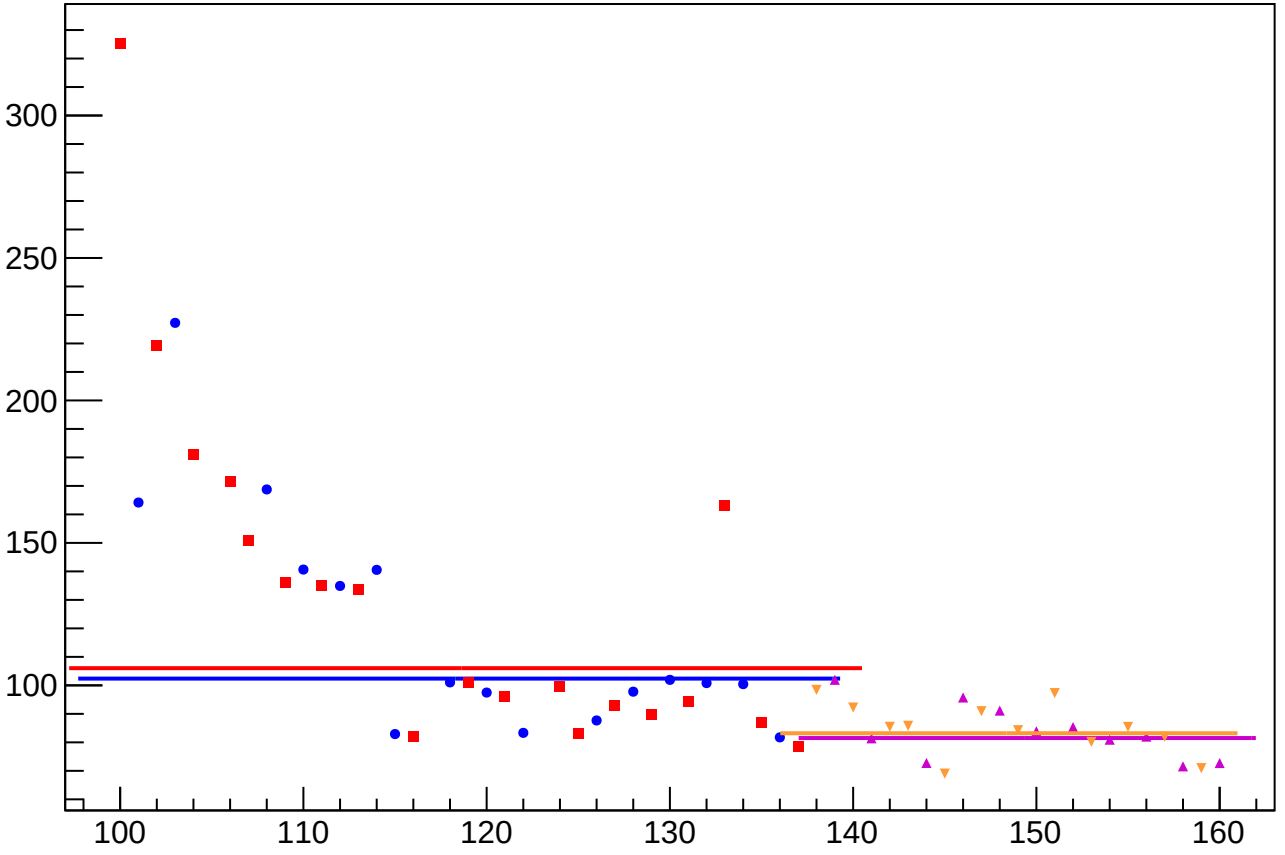
Left In: -52.397+/-26.913 χ^2/NDF:14.3/10

+ sign 81.829+/-22.612 χ^2/NDF: 47.6/27

All: 20.960+/-15.953 χ^2/NDF: 98.4/57

- 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: 83.196+/-0.019 χ^2/NDF:216957.2/11

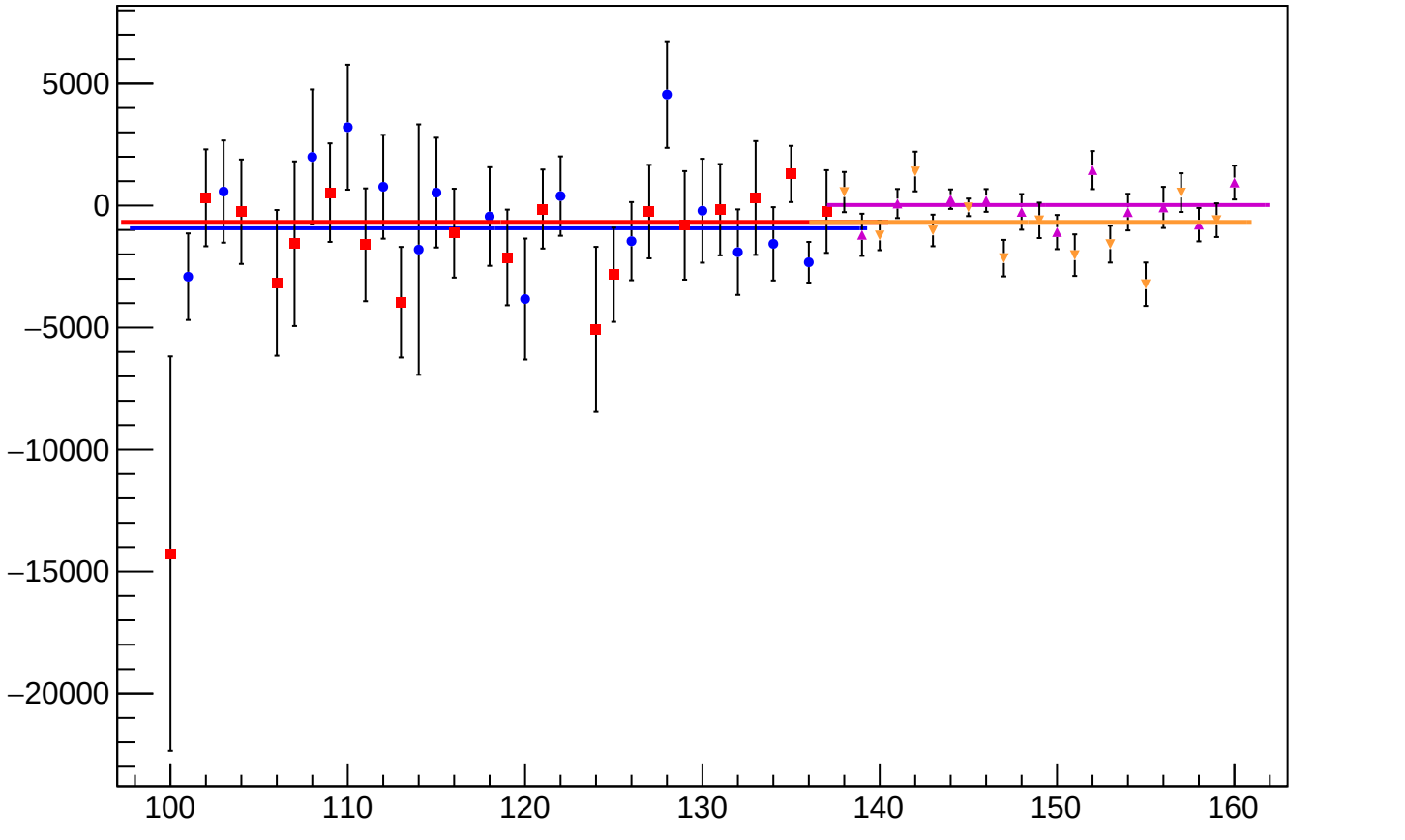
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 81.512+/-0.019 χ^2/NDF:207181.0/10

+ sign 89.342+/-0.016 χ^2/NDF: 1512645.0/27

All: 89.111+/-0.011 χ^2/NDF: 3410458.6/57

- 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: -669.543+/-190.170 χ^2/NDF:31.1/11

Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

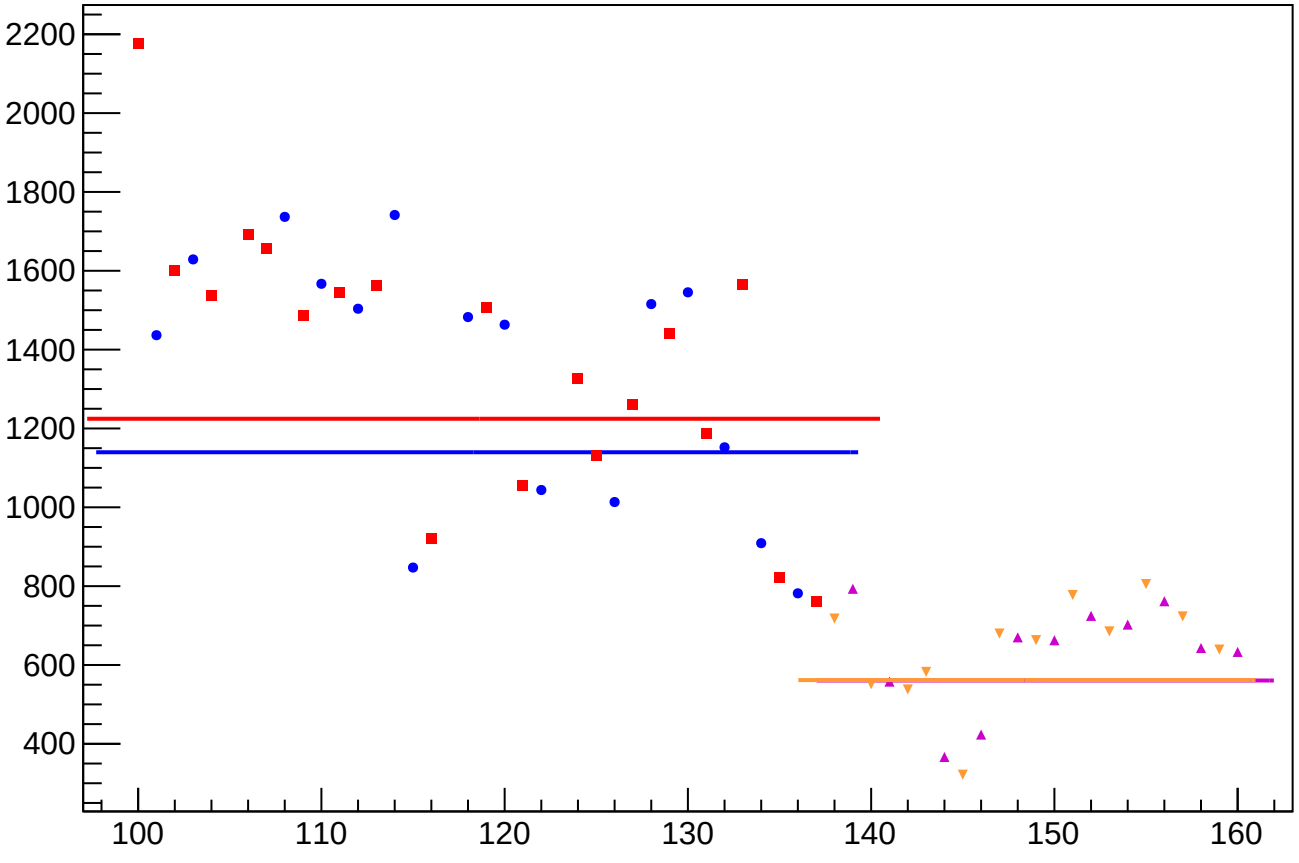
Left In: 22.516+/-189.087 χ^2/NDF:11.9/10

+ sign -710.484+/-174.732 χ^2/NDF: 49.9/27

All: -393.936+/-123.671 χ^2/NDF: 83.7/57

- sign -76.187+/-175.063 χ^2/NDF: 27.2/29

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 561.697+/-0.134 χ^2/NDF:1498776.4/11

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

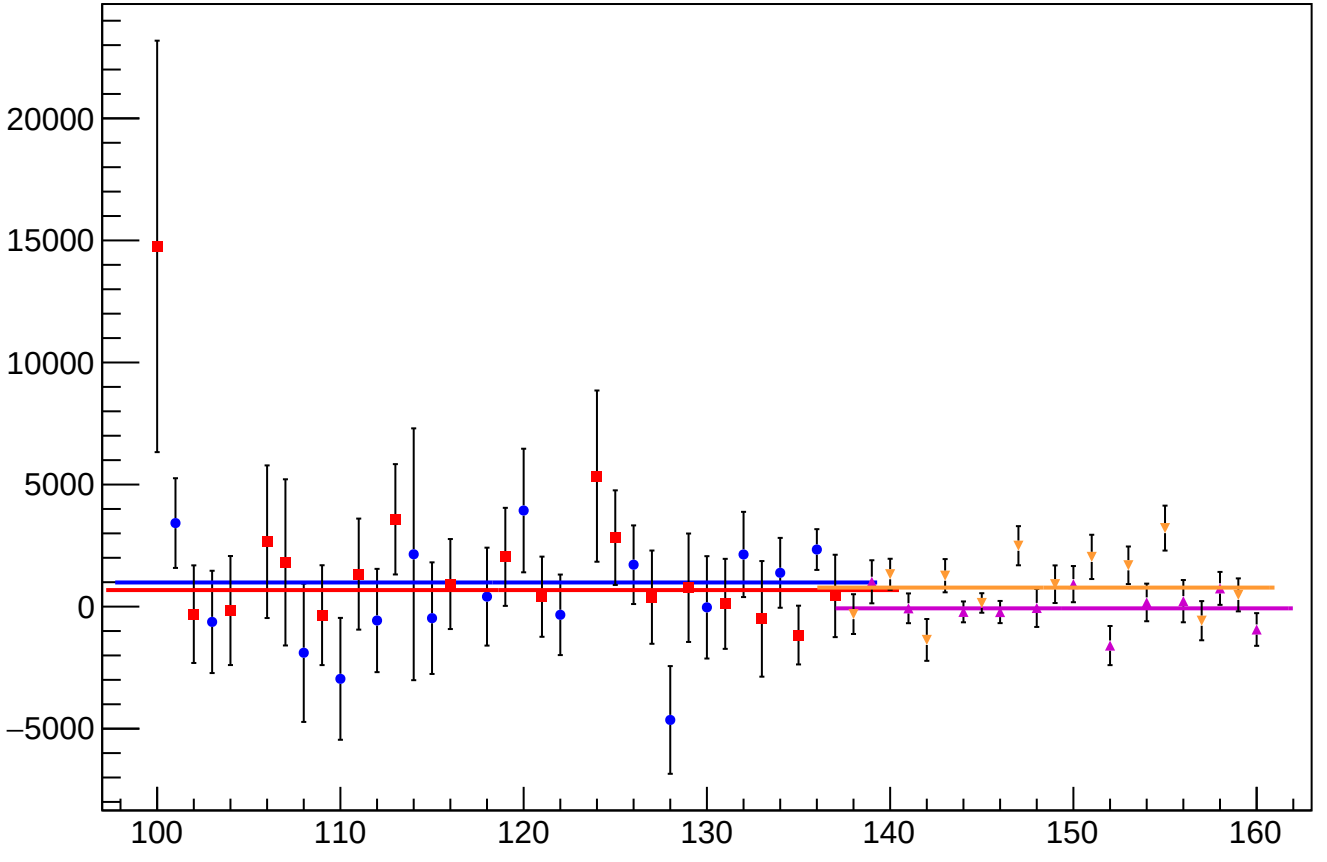
Left In: 560.636+/-0.134 χ^2/NDF:1201430.8/10

+ sign 651.725+/-0.124 χ^2/NDF: 5469706.0/27

All: 653.598+/-0.087 χ^2/NDF: 11116636.3/57

- 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: 779.323+/-200.669 χ^2/NDF:29.8/11

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

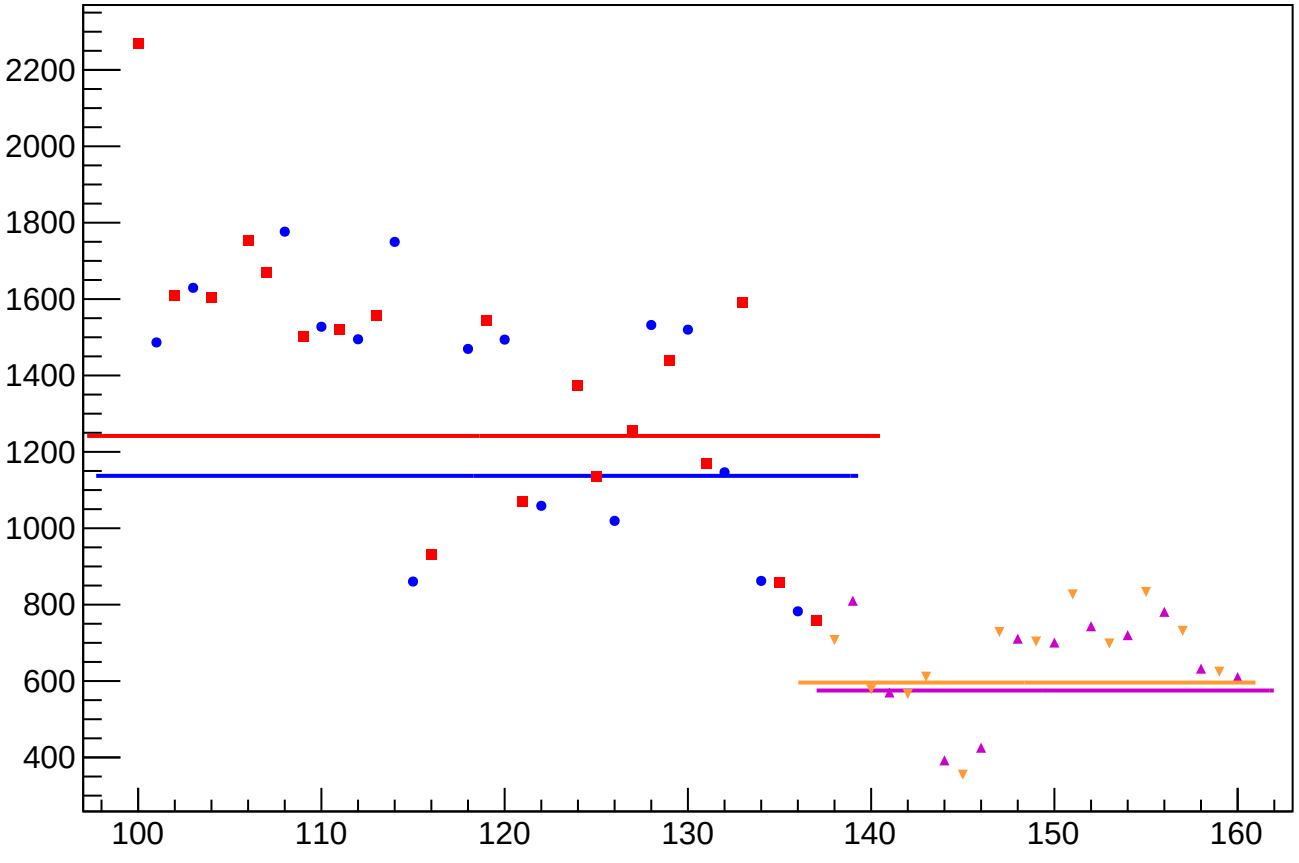
Left In: -70.794+/-193.249 χ^2/NDF:10.5/10

\+ sign 815.125+/-182.765 χ^2/NDF: 49.0/27

All: 417.631+/-127.777 χ^2/NDF: 82.9/57

\- 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: 596.040+/-0.142 χ^2/NDF:1221403.7/11

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

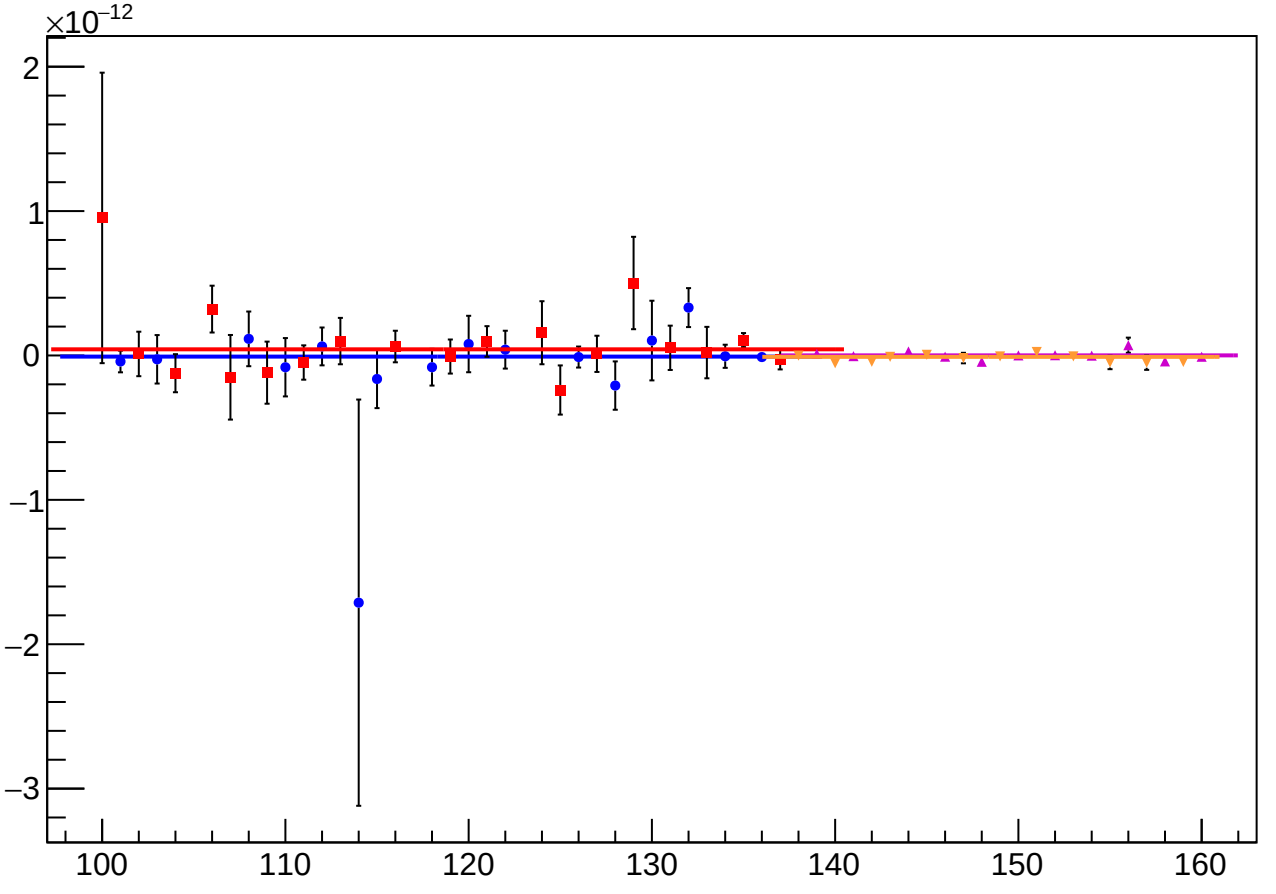
Left In: 575.227+/-0.137 χ^2/NDF:1136569.9/10

+ sign 688.304+/-0.129 χ^2/NDF: 4825056.9/27

All: 679.831+/-0.090 χ^2/NDF: 10313948.1/57

- 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:17.7/11

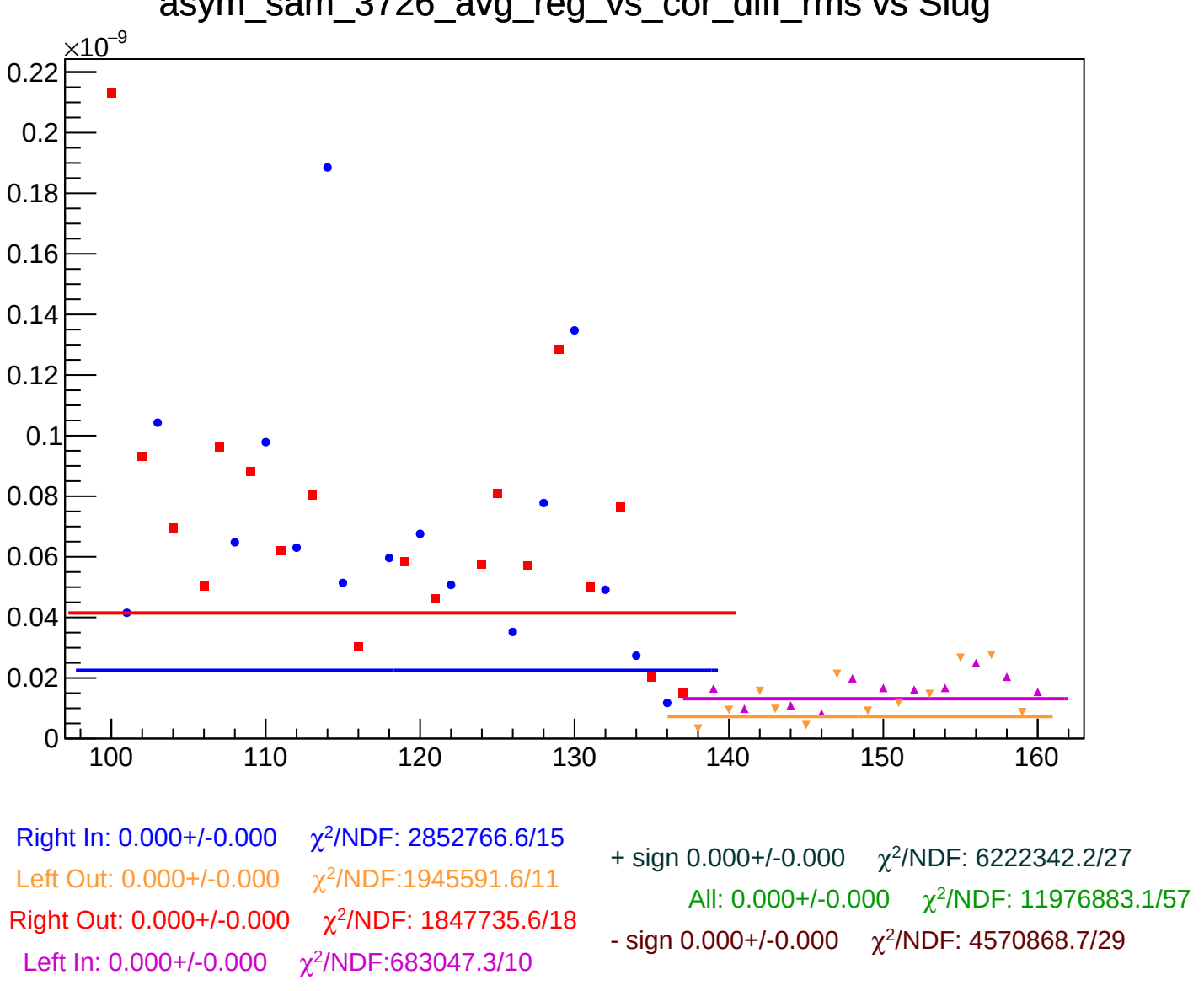
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/10

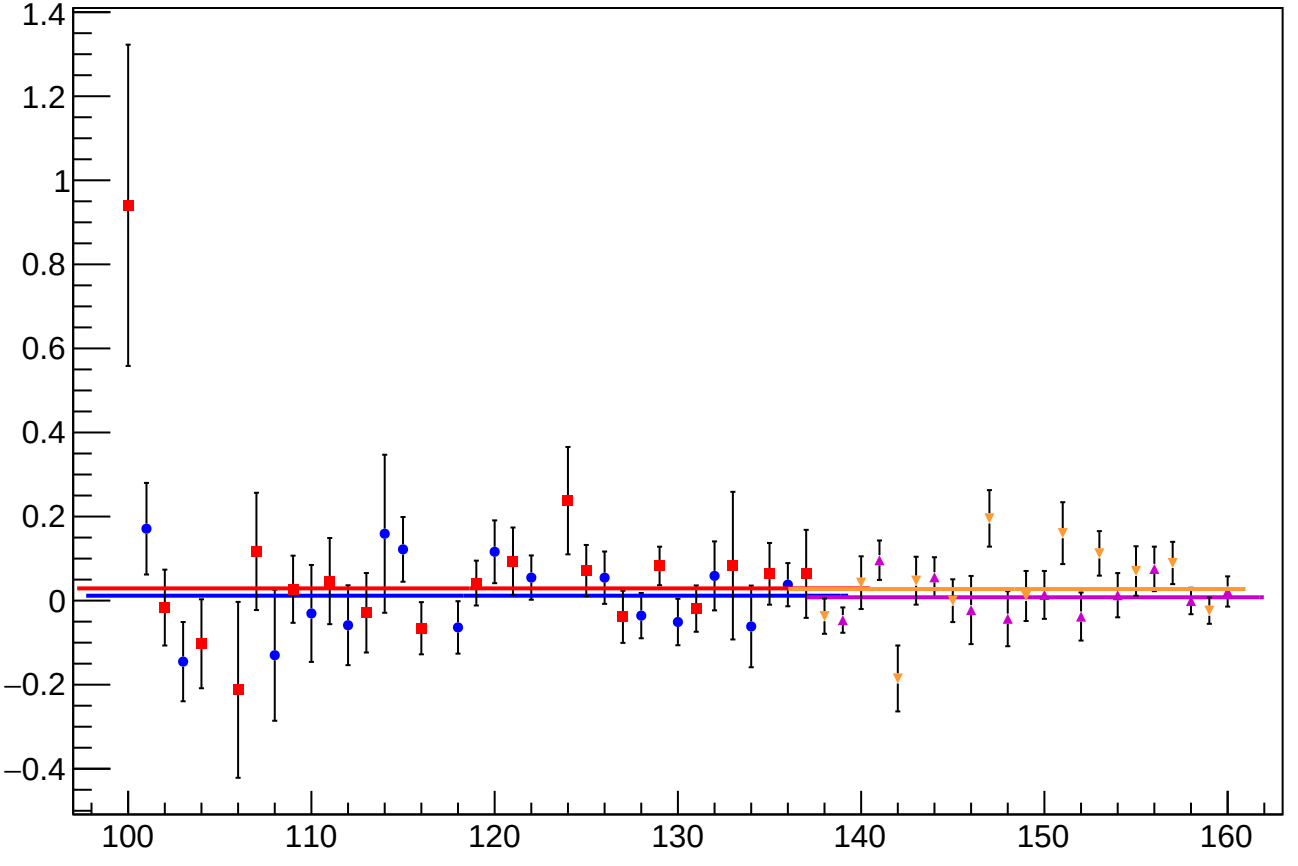
+ sign -0.000+/-0.000 χ^2/NDF: 29.5/27

All: -0.000+/-0.000 χ^2/NDF: 57.9/57

- 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:1945591.6/11
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: 6222342.2/27
All: 0.000+/-0.000 χ²/NDF: 11976883.1/57
- 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: 0.028+/-0.015 χ^2/NDF:27.1/11

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

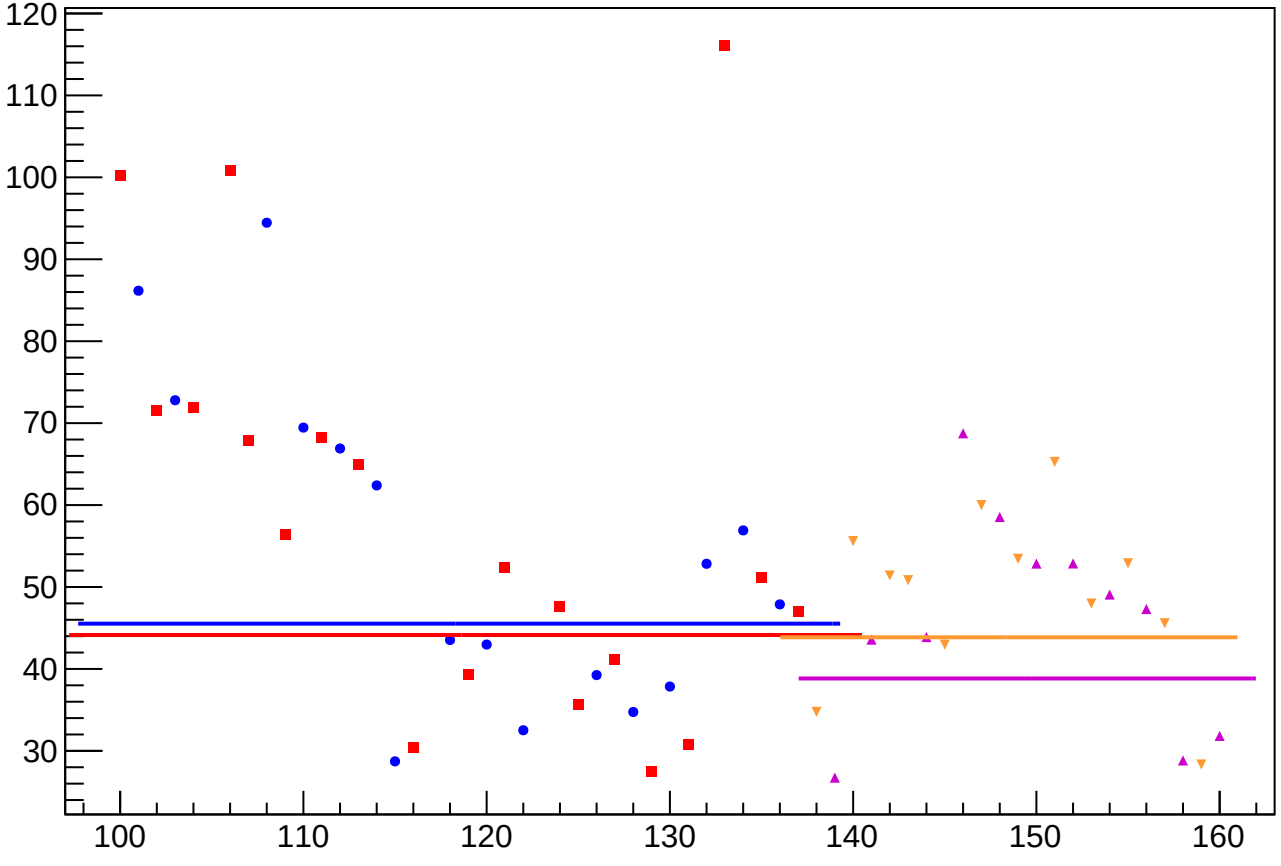
Left In: 0.008+/-0.013 χ^2/NDF:11.0/10

+ sign 0.021+/-0.012 χ^2/NDF: 44.4/27

All: 0.018+/-0.008 χ^2/NDF: 76.0/57

- 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: 43.863+/-0.011 χ^2/NDF:1101819.4/11

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

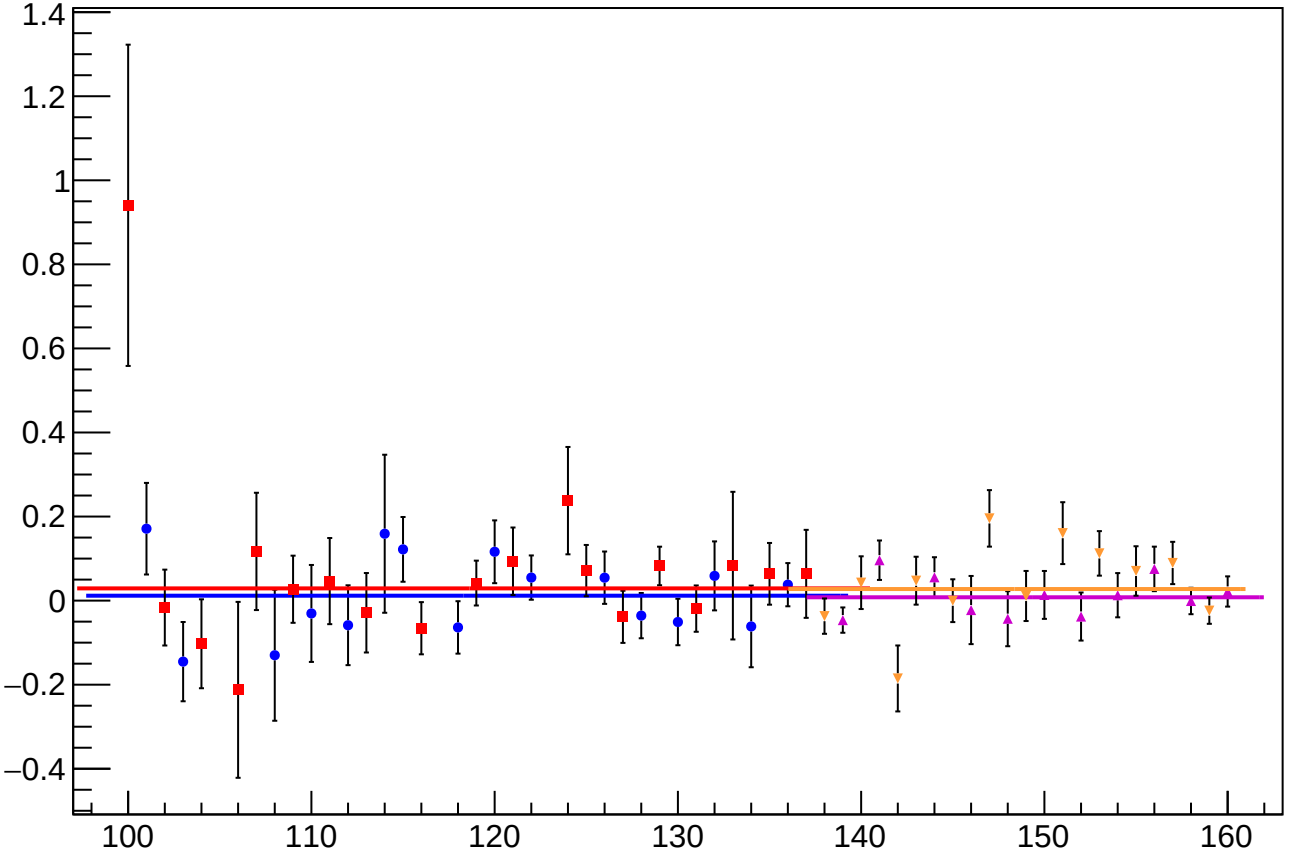
Left In: 38.836+/-0.010 χ^2/NDF:1466126.3/10

+ sign 44.532+/-0.008 χ^2/NDF: 2365623.1/27

All: 42.502+/-0.006 χ^2/NDF: 5800713.8/57

- sign 40.760+/-0.008 χ^2/NDF: 3321741.2/29

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.028+/-0.015 χ^2/NDF:27.1/11

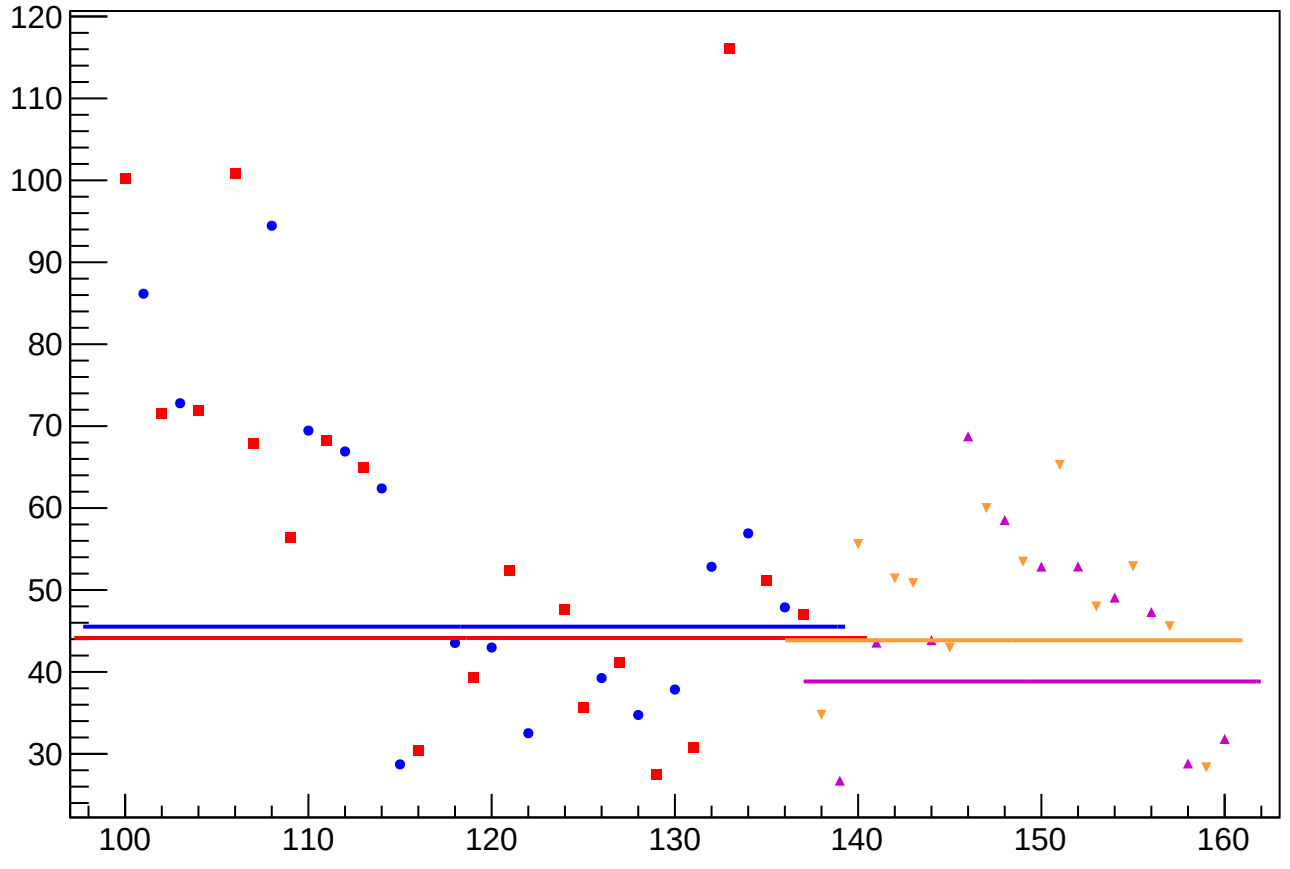
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.008+/-0.013 χ^2/NDF:11.0/10

+ sign 0.021+/-0.012 χ^2/NDF: 44.4/27

All: 0.018+/-0.008 χ^2/NDF: 76.0/57

- 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: 43.863+/-0.011 χ^2/NDF:1101819.4/11

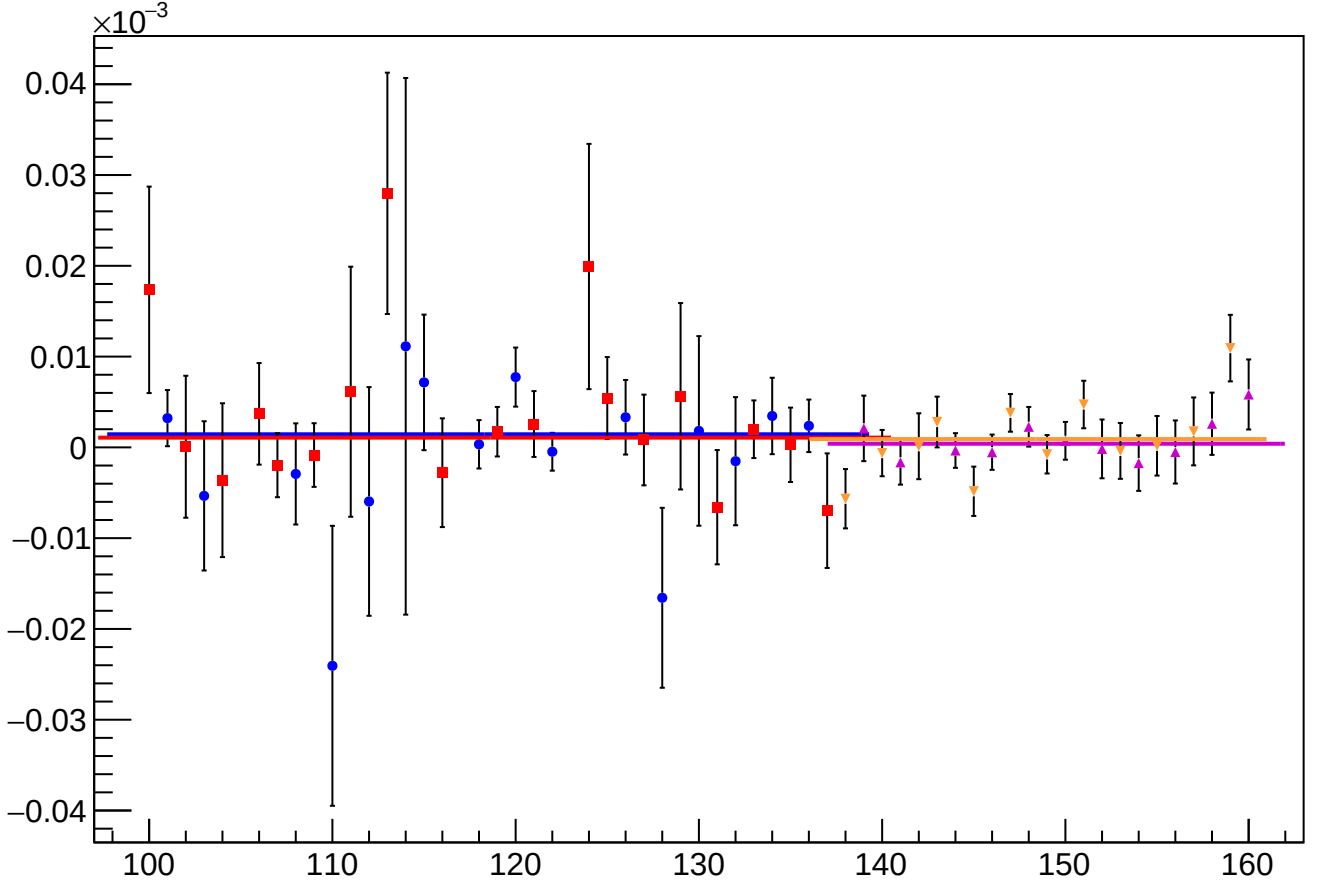
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.836+/-0.010 χ^2/NDF:1466126.3/10

+ sign 44.532+/-0.008 χ^2/NDF: 2365623.1/27

All: 42.502+/-0.006 χ^2/NDF: 5800713.8/57

- 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:21.8/11

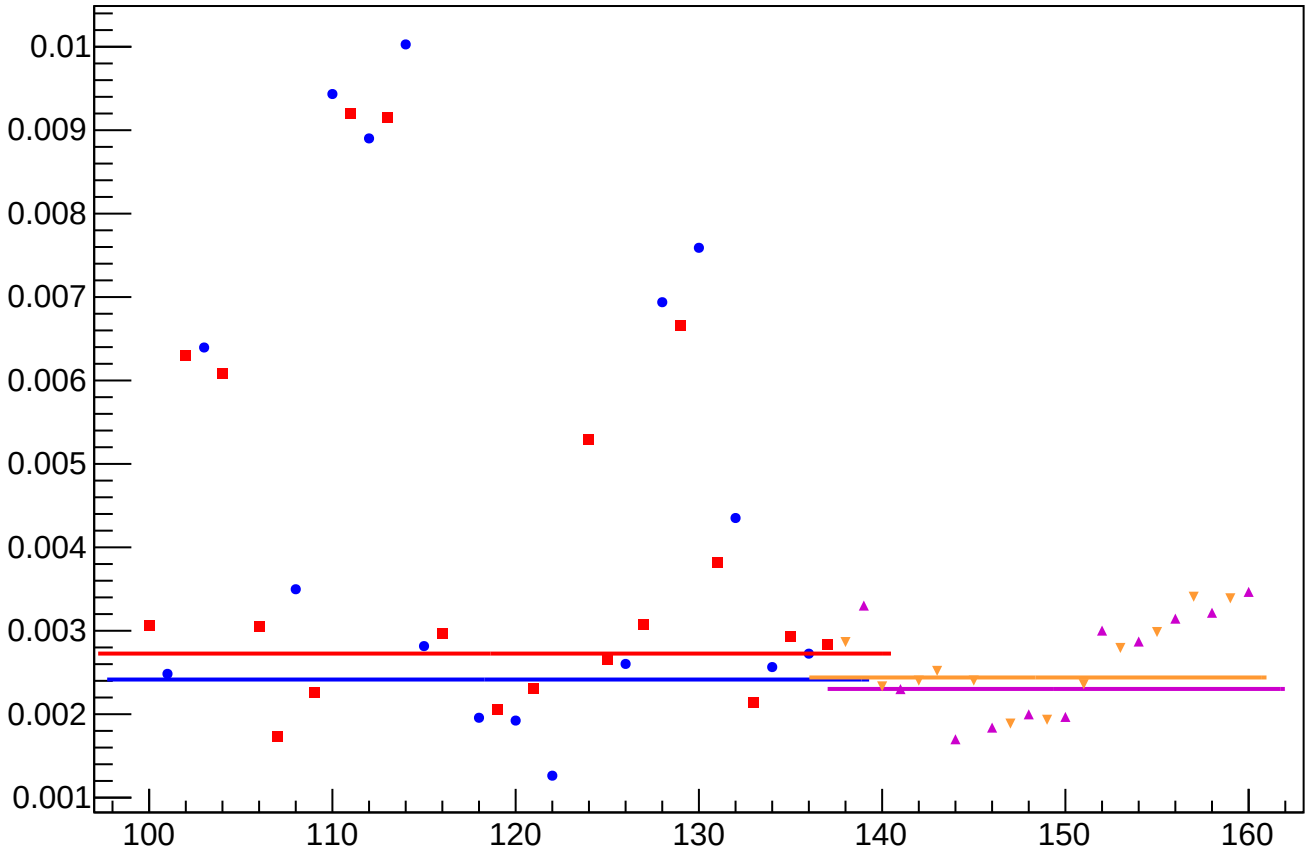
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 36.2/27

All: 0.000+/-0.000 χ^2/NDF: 56.6/57

- 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:647280.1/11

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

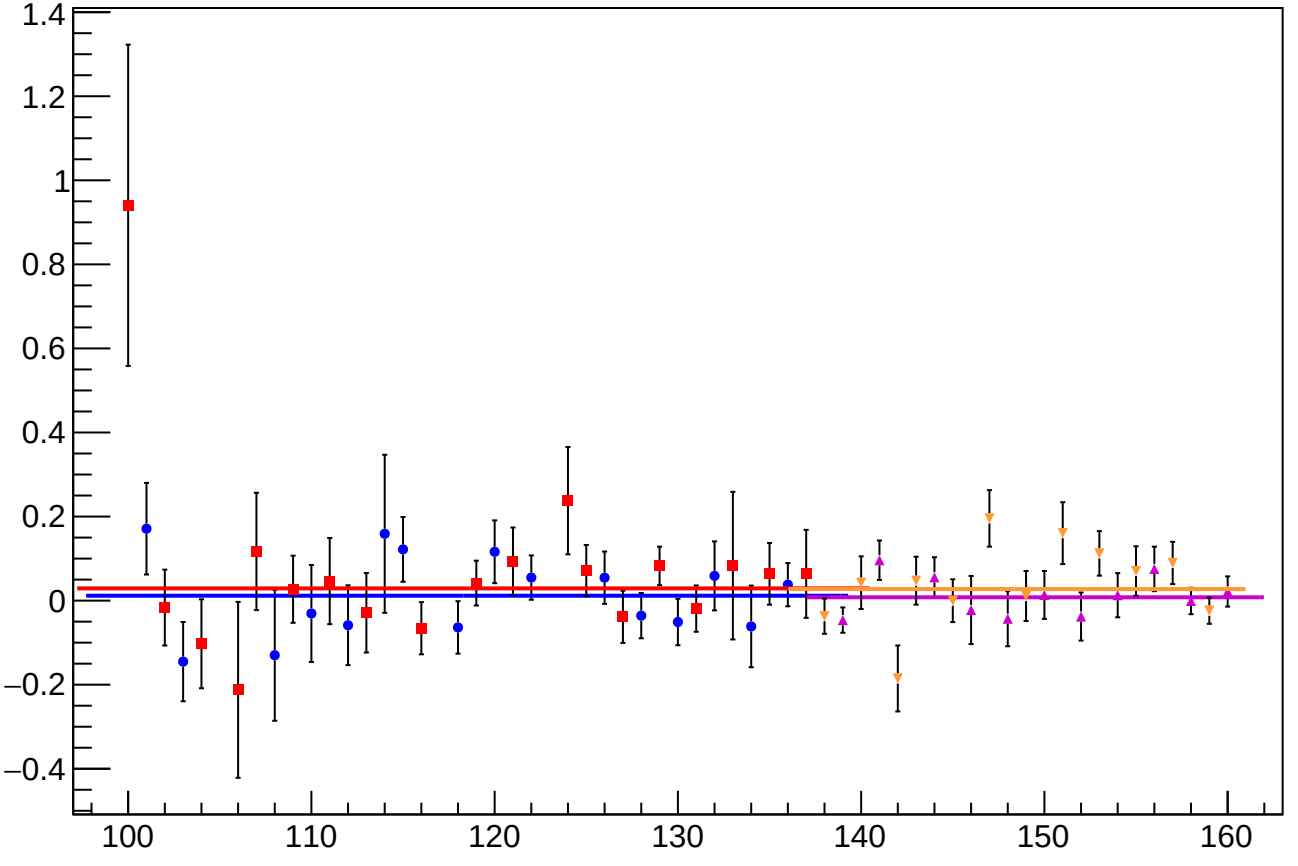
Left In: 0.002+/-0.000 χ^2/NDF:1161133.0/10

+ sign 0.002+/-0.000 χ^2/NDF: 4080089.8/27

All: 0.002+/-0.000 χ^2/NDF: 7939554.7/57

- 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: 0.028+/-0.015 χ^2/NDF:27.1/11

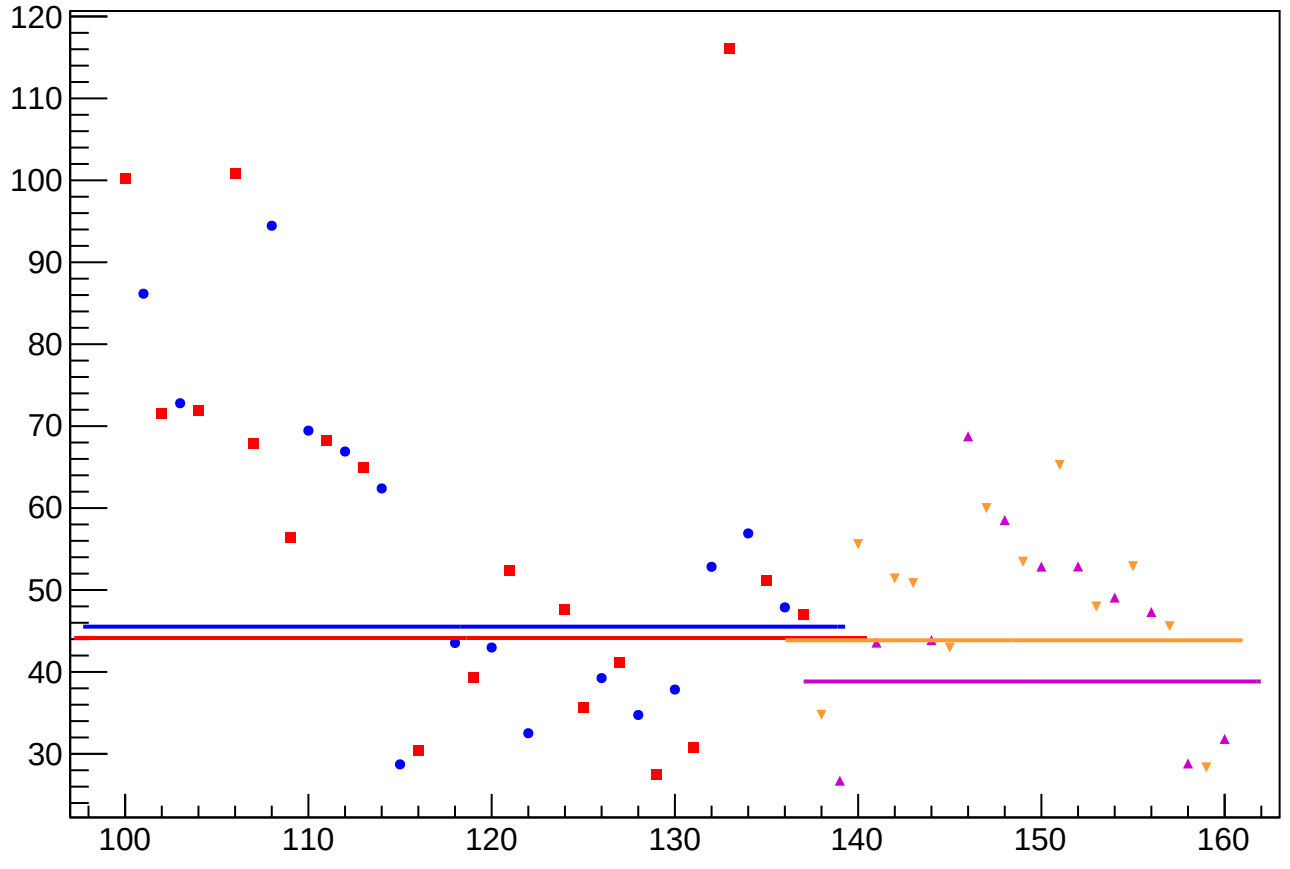
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.008+/-0.013 χ^2/NDF:11.0/10

+ sign 0.021+/-0.012 χ^2/NDF: 44.4/27

All: 0.018+/-0.008 χ^2/NDF: 76.0/57

- 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: 43.863+/-0.011 χ^2/NDF:1101868.3/11

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

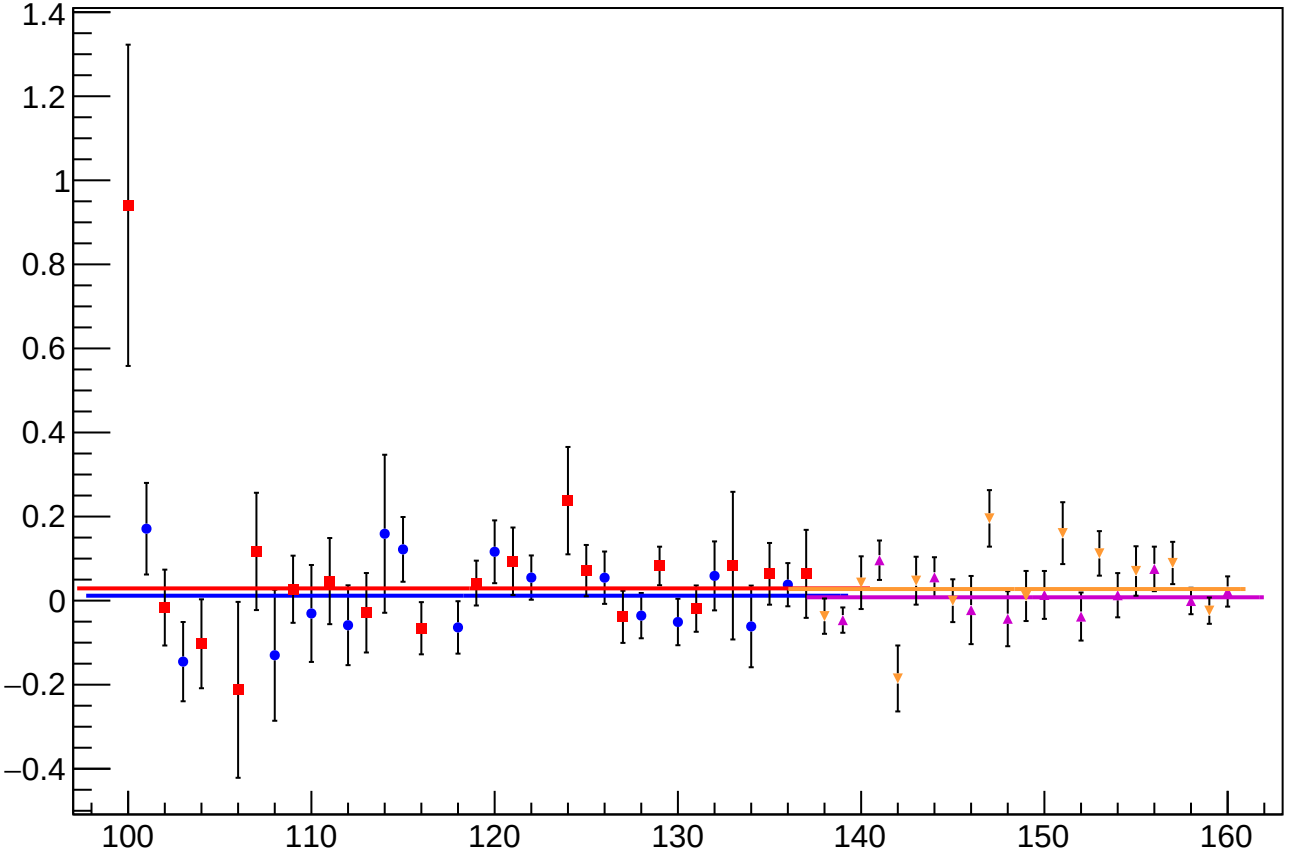
Left In: 38.836+/-0.010 χ^2/NDF:1466174.2/10

+ sign 44.532+/-0.008 χ^2/NDF: 2365623.7/27

All: 42.503+/-0.006 χ^2/NDF: 5800684.9/57

- 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: 0.028+/-0.015 χ^2/NDF:27.1/11

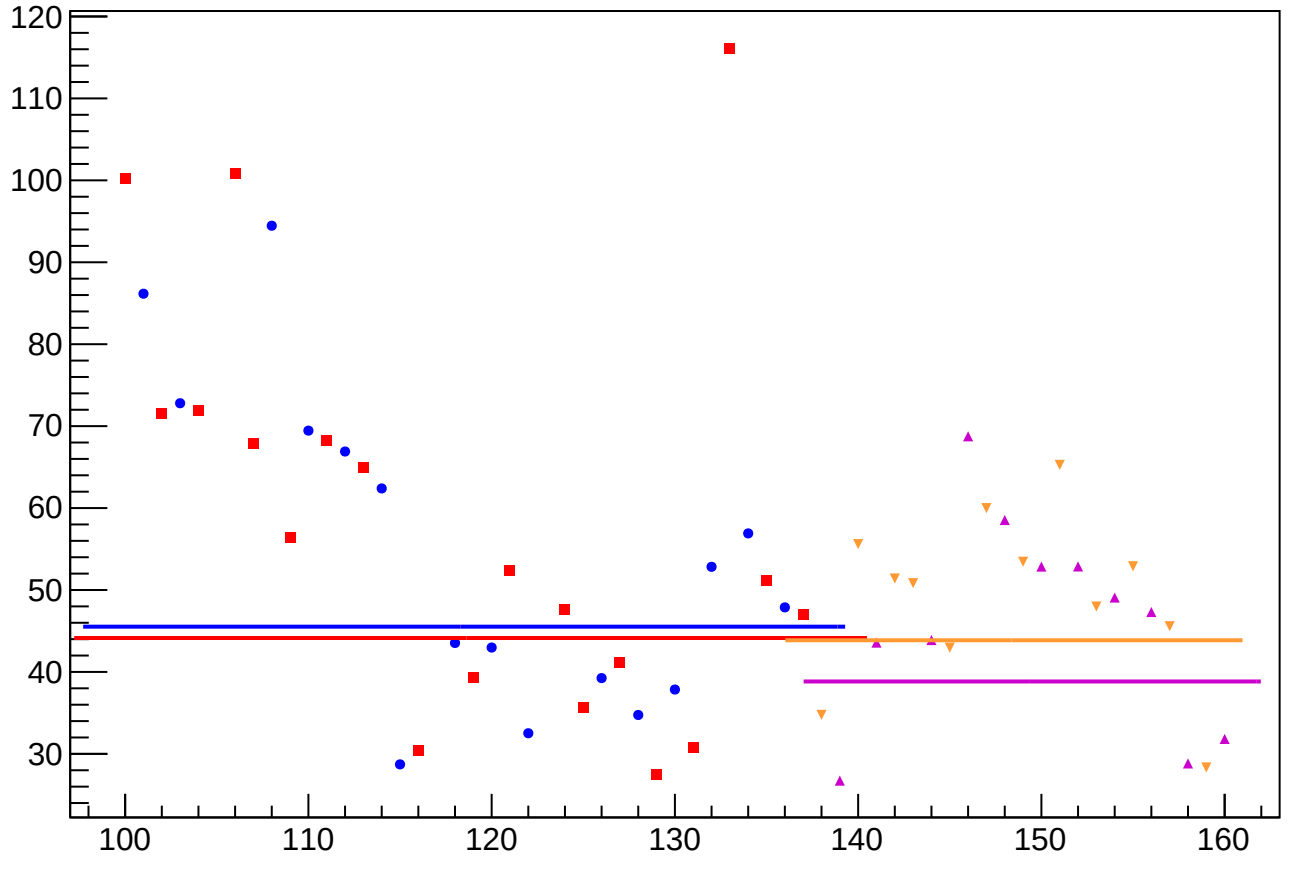
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.008+/-0.013 χ^2/NDF:11.0/10

+ sign 0.021+/-0.012 χ^2/NDF: 44.4/27

All: 0.018+/-0.008 χ^2/NDF: 76.0/57

- 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: 43.863+/-0.011 χ^2/NDF:1101868.3/11

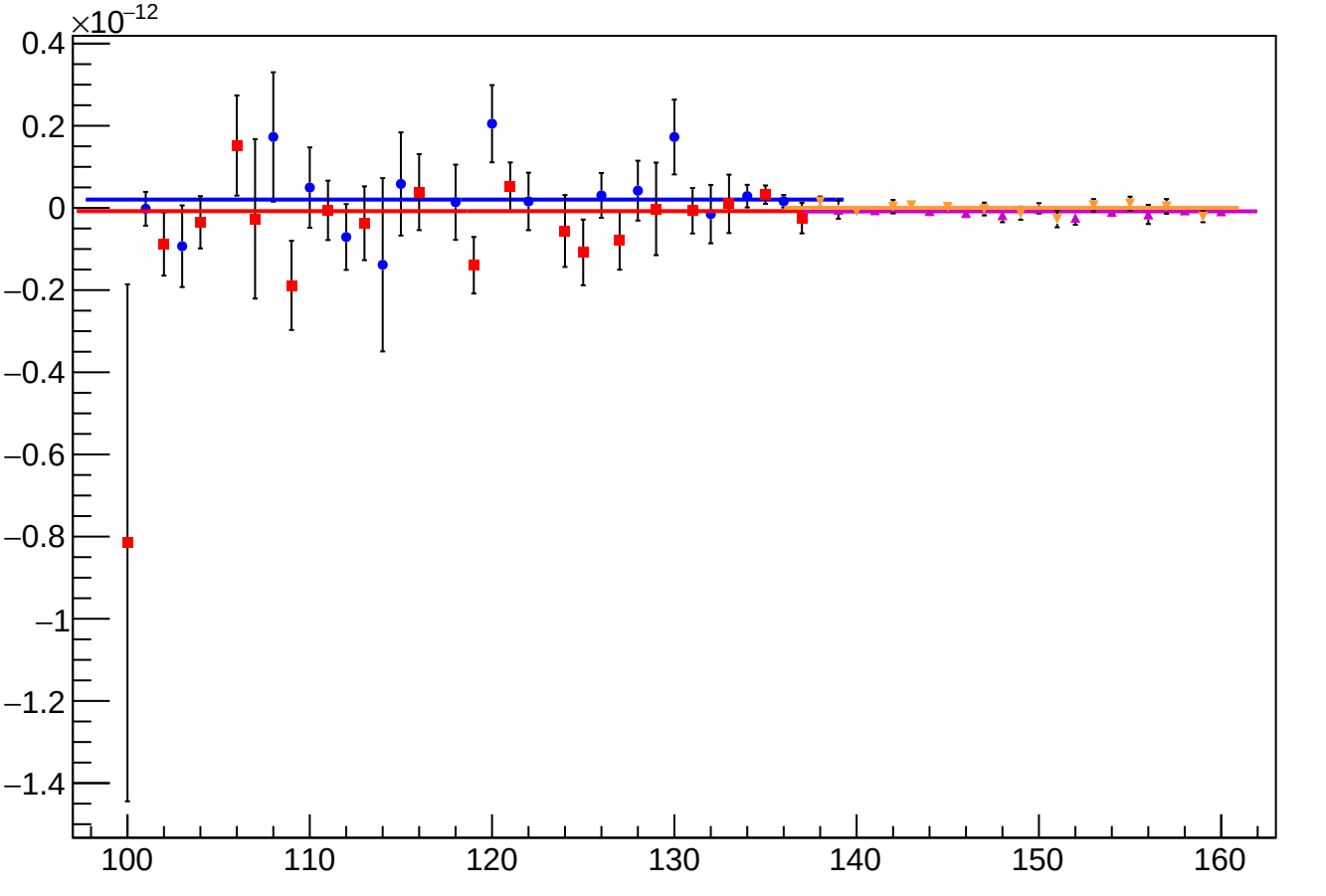
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

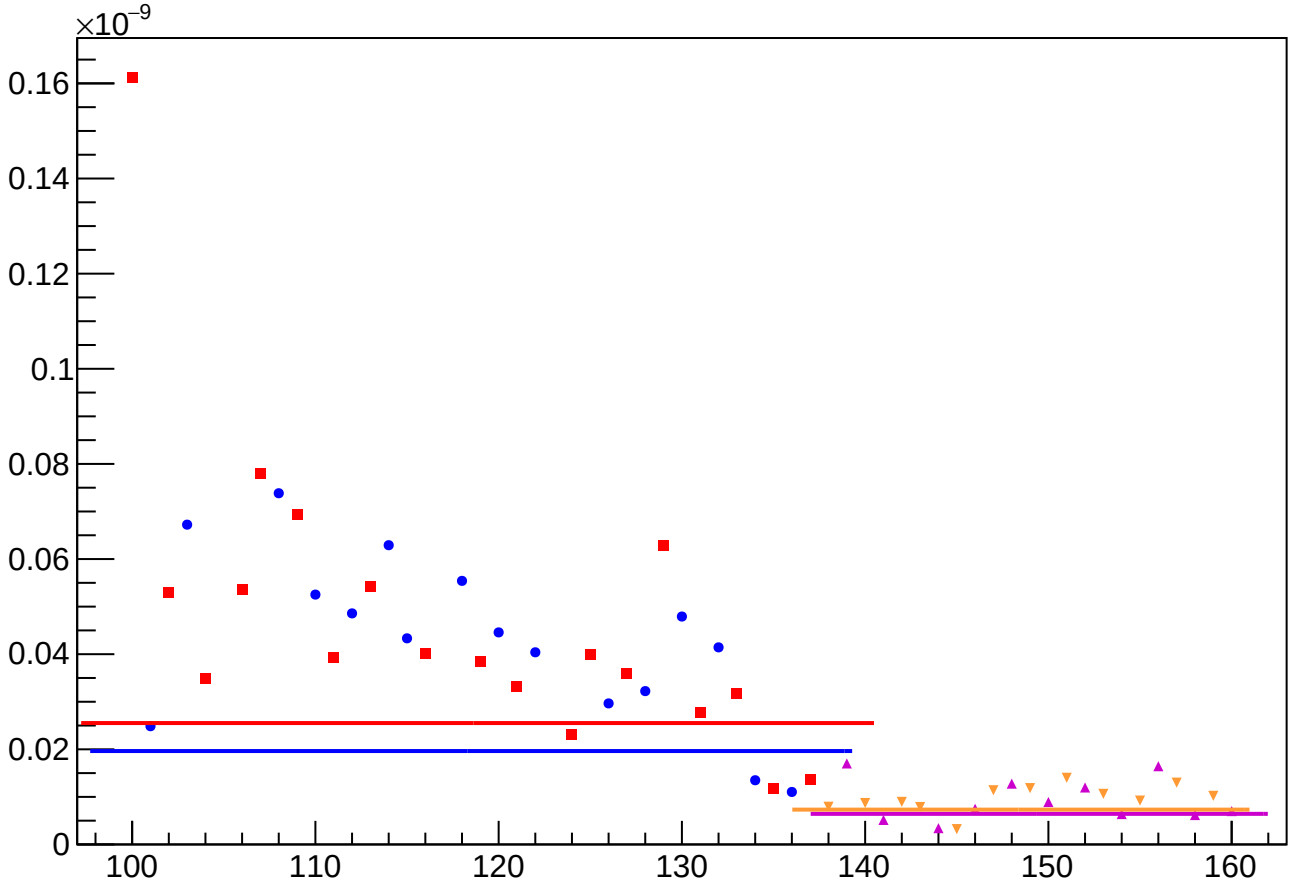
Left In: 38.836+/-0.010 χ^2/NDF:1466174.2/10

+ sign 44.532+/-0.008 χ^2/NDF: 2365623.7/27

All: 42.503+/-0.006 χ^2/NDF: 5800684.9/57

- sign 40.760+/-0.008 χ^2/NDF: 3321717.2/29


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:8.3/11
Right Out: -0.000+/-0.000 χ²/NDF: 18.8/18
Left In: -0.000+/-0.000 χ²/NDF:2.0/10
+ sign 0.000+/-0.000 χ²/NDF: 23.1/27
All: -0.000+/-0.000 χ²/NDF: 48.9/57
- sign -0.000+/-0.000 χ²/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:2065134.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

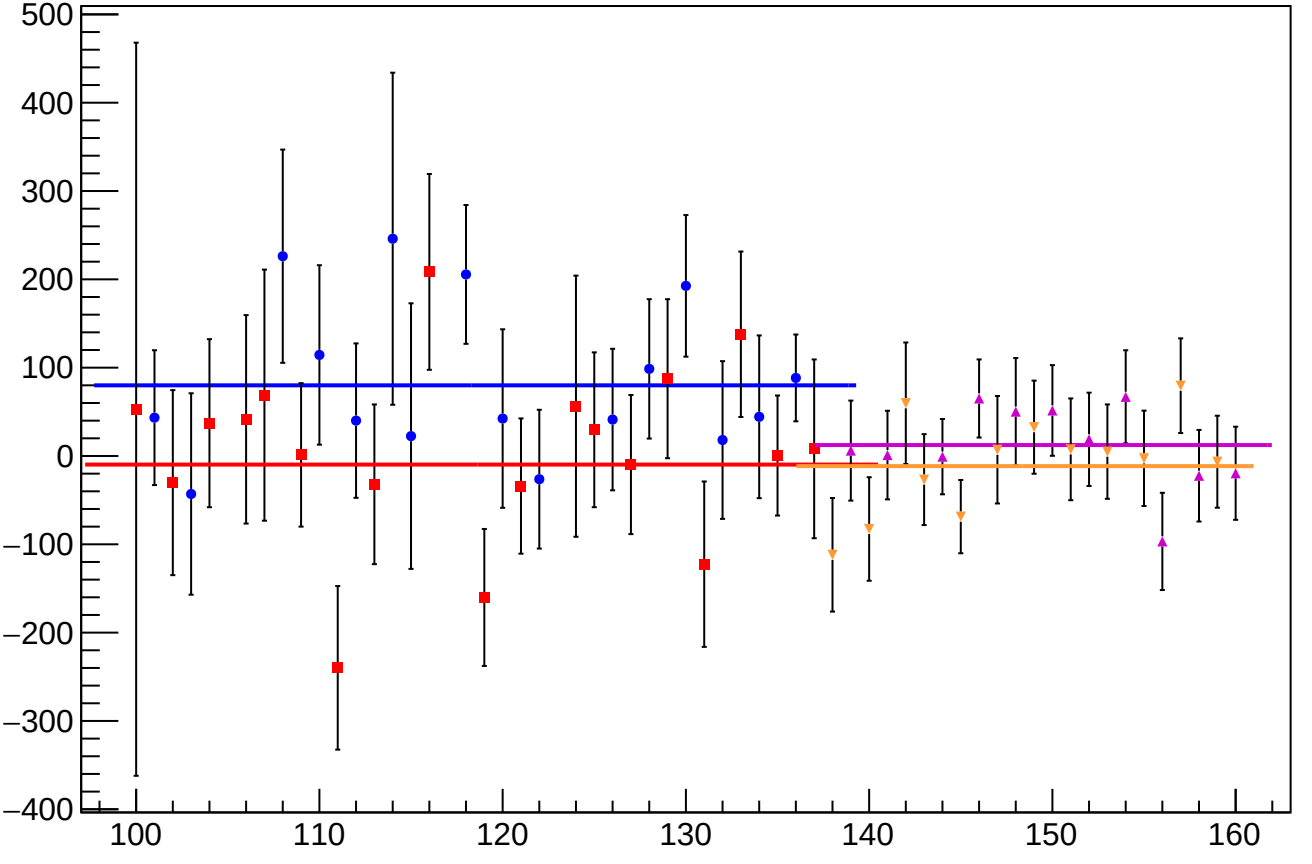
Left In: 0.000+/-0.000 χ^2/NDF:2009491.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 7527025.6/27

All: 0.000+/-0.000 χ^2/NDF: 16012606.7/57

- 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: -11.494+/-15.726 χ^2/NDF:10.9/11

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

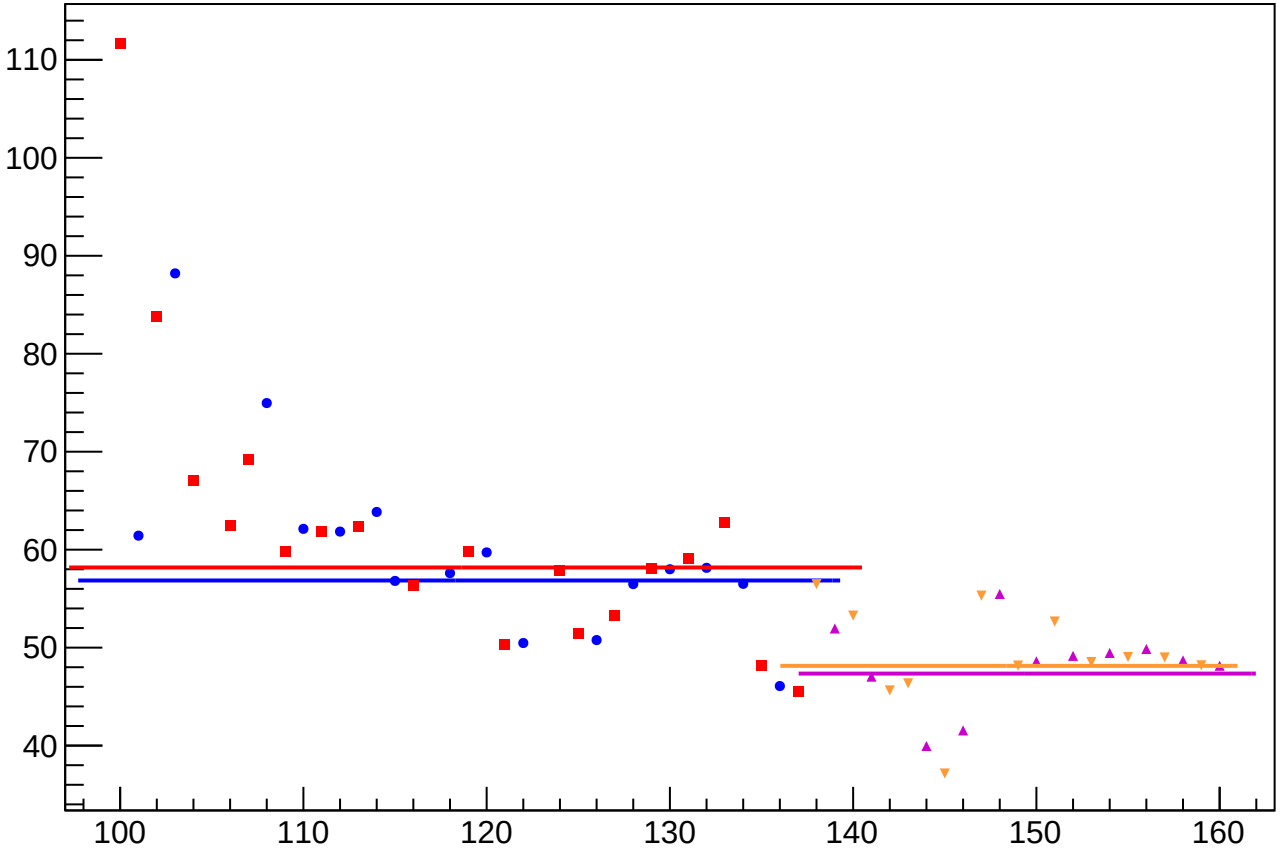
Left In: 12.375+/-15.428 χ^2/NDF:8.4/10

+ sign 20.441+/-12.687 χ^2/NDF: 34.3/27

All: 12.598+/-8.925 χ^2/NDF: 64.4/57

- 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: 48.140+/-0.011 χ^2/NDF:235641.4/11

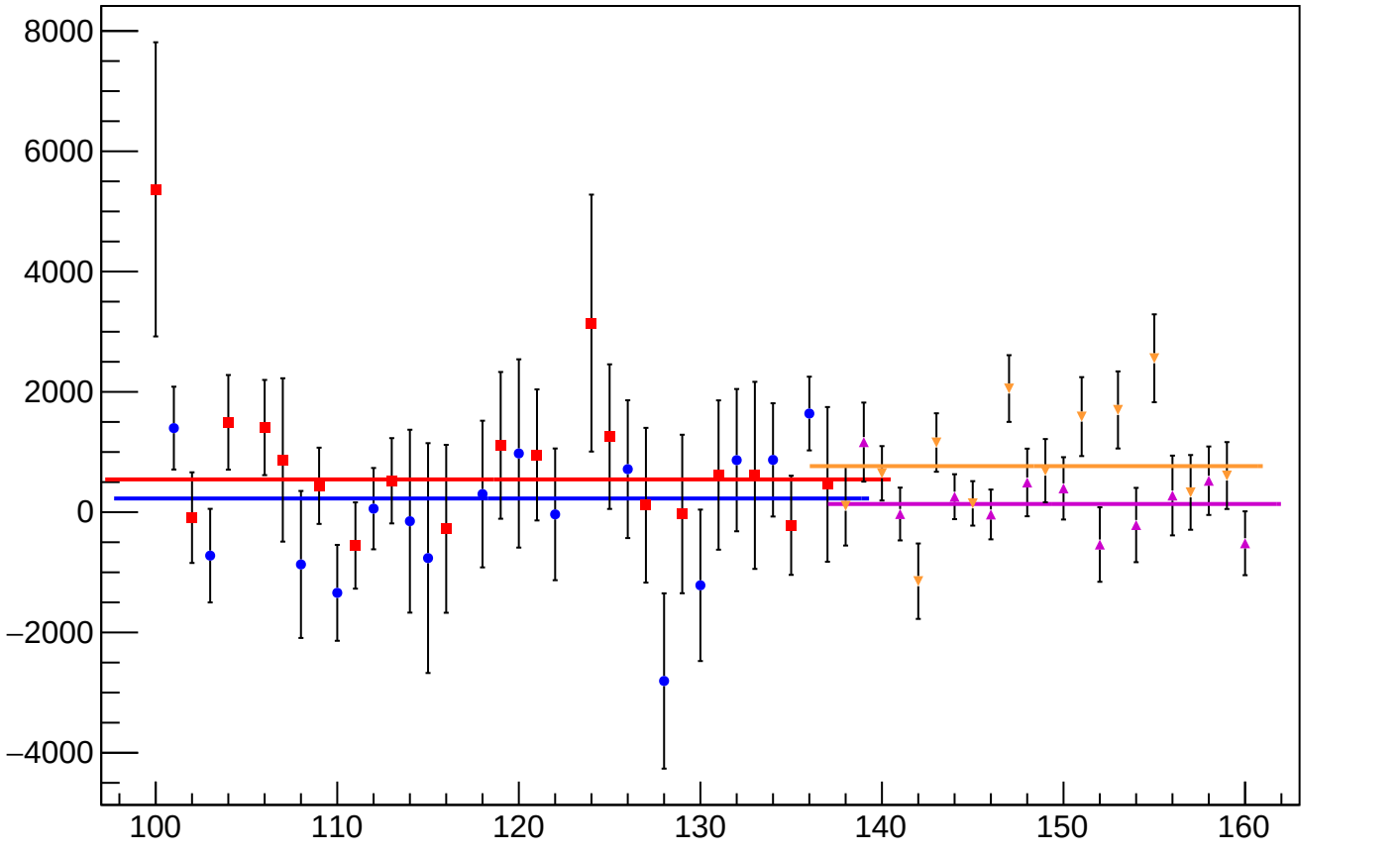
Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 47.350+/-0.011 χ^2/NDF:156359.7/10

+ sign 51.182+/-0.009 χ^2/NDF: 791623.3/27

All: 51.093+/-0.006 χ^2/NDF: 1595477.3/57

- sign 51.006+/-0.009 χ^2/NDF: 803659.0/29



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 765.619+/-156.942 χ^2/NDF:29.6/11

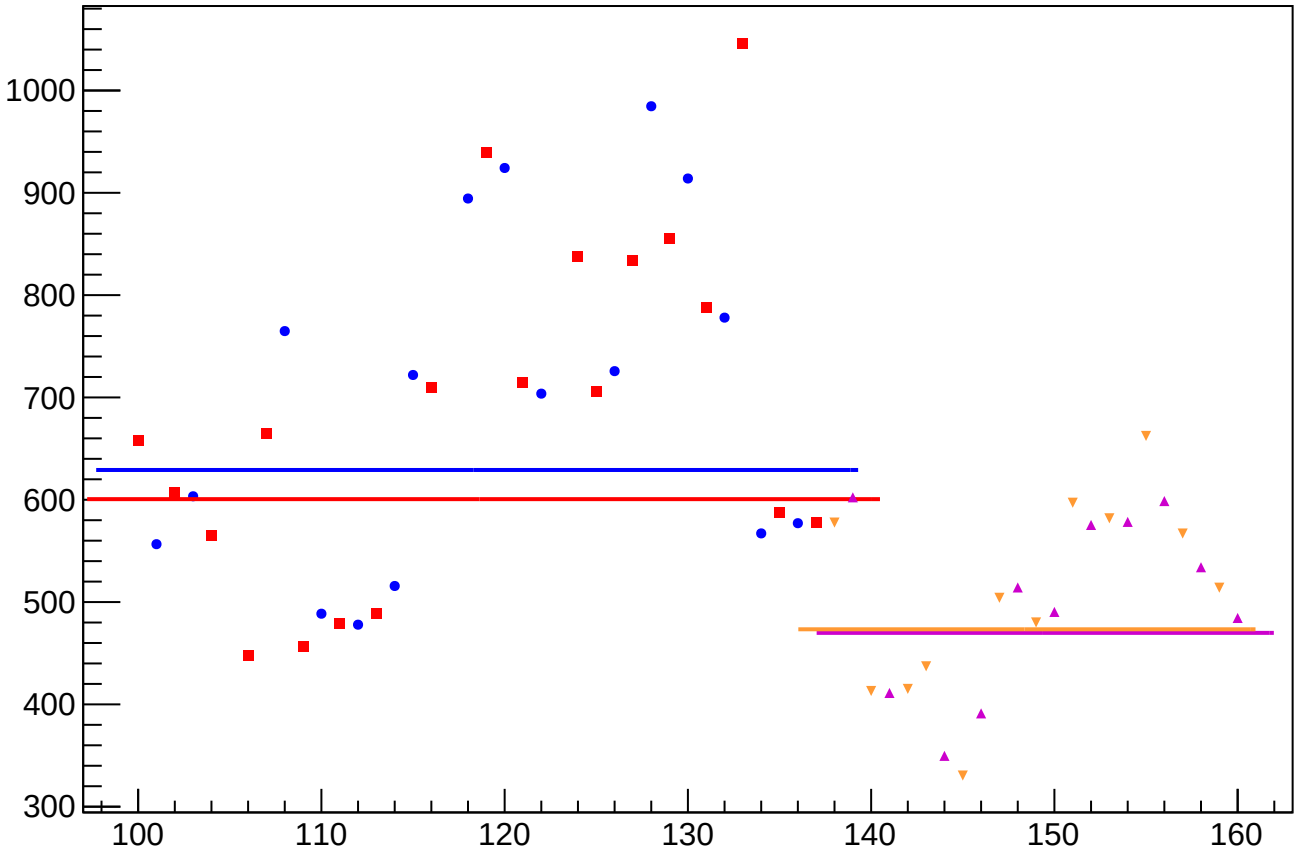
Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 136.065+/-155.159 χ^2/NDF:7.1/10

+ sign 605.585+/-131.551 χ^2/NDF: 54.7/27

All: 431.342+/-91.790 χ^2/NDF: 80.8/57

- 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: 473.384+/-0.111 χ^2/NDF:737320.4/11

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

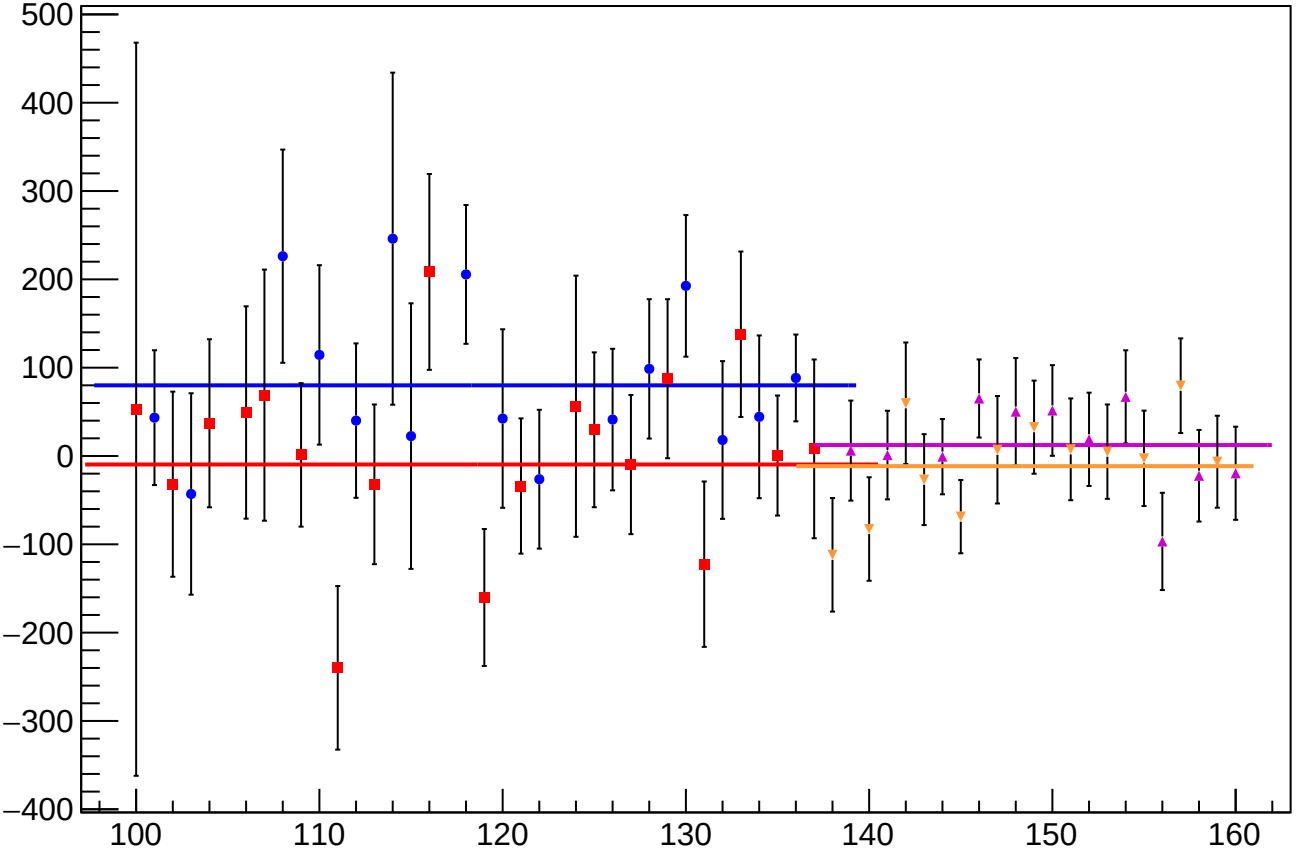
Left In: 469.888+/-0.110 χ^2/NDF:634240.1/10

+ sign 519.693+/-0.093 χ^2/NDF: 2015554.3/27

All: 515.462+/-0.065 χ^2/NDF: 3979714.7/57

- 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: -11.496+/-15.726 χ^2/NDF:10.9/11

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

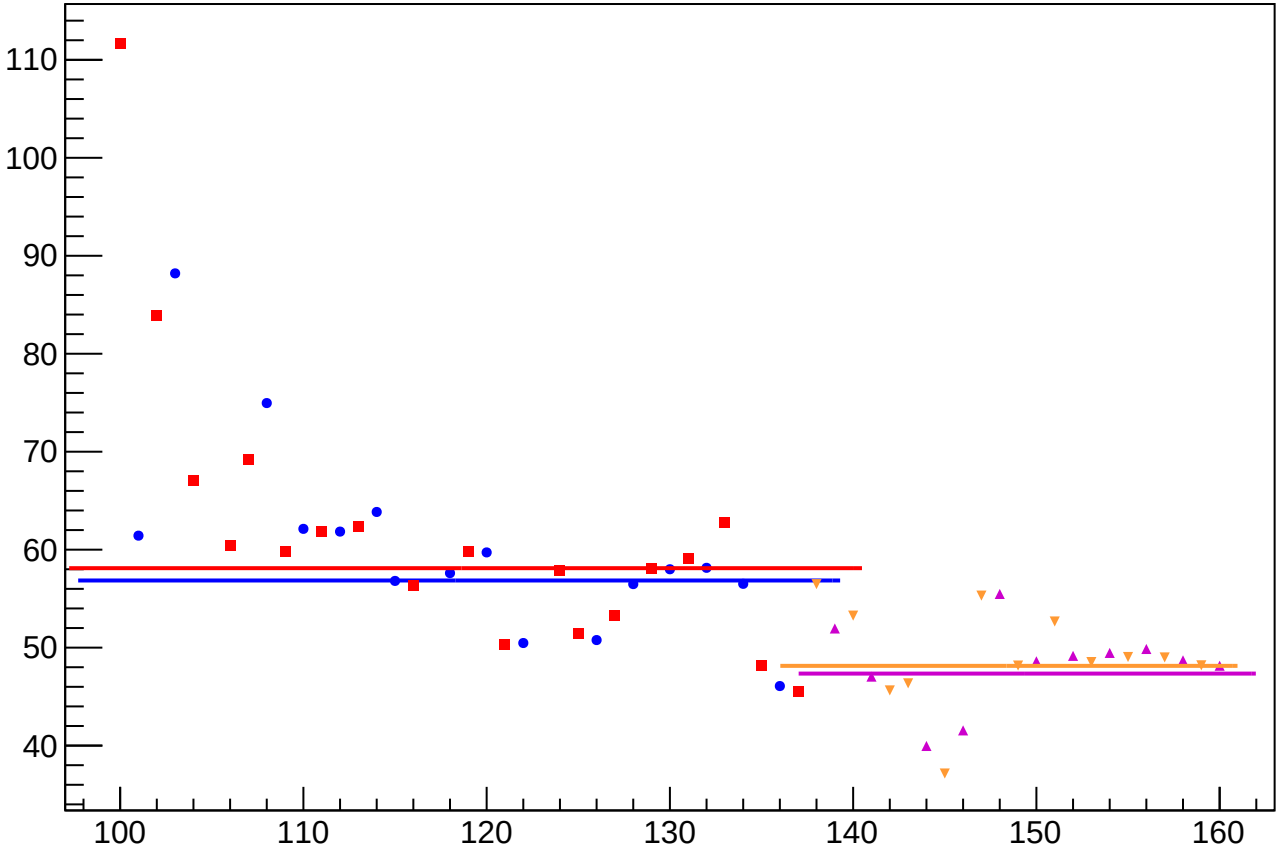
Left In: 12.377+/-15.428 χ^2/NDF:8.4/10

+ sign 20.442+/-12.687 χ^2/NDF: 34.3/27

All: 12.623+/-8.926 χ^2/NDF: 64.5/57

- 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: 48.140+/-0.011 χ^2/NDF:235641.4/11

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

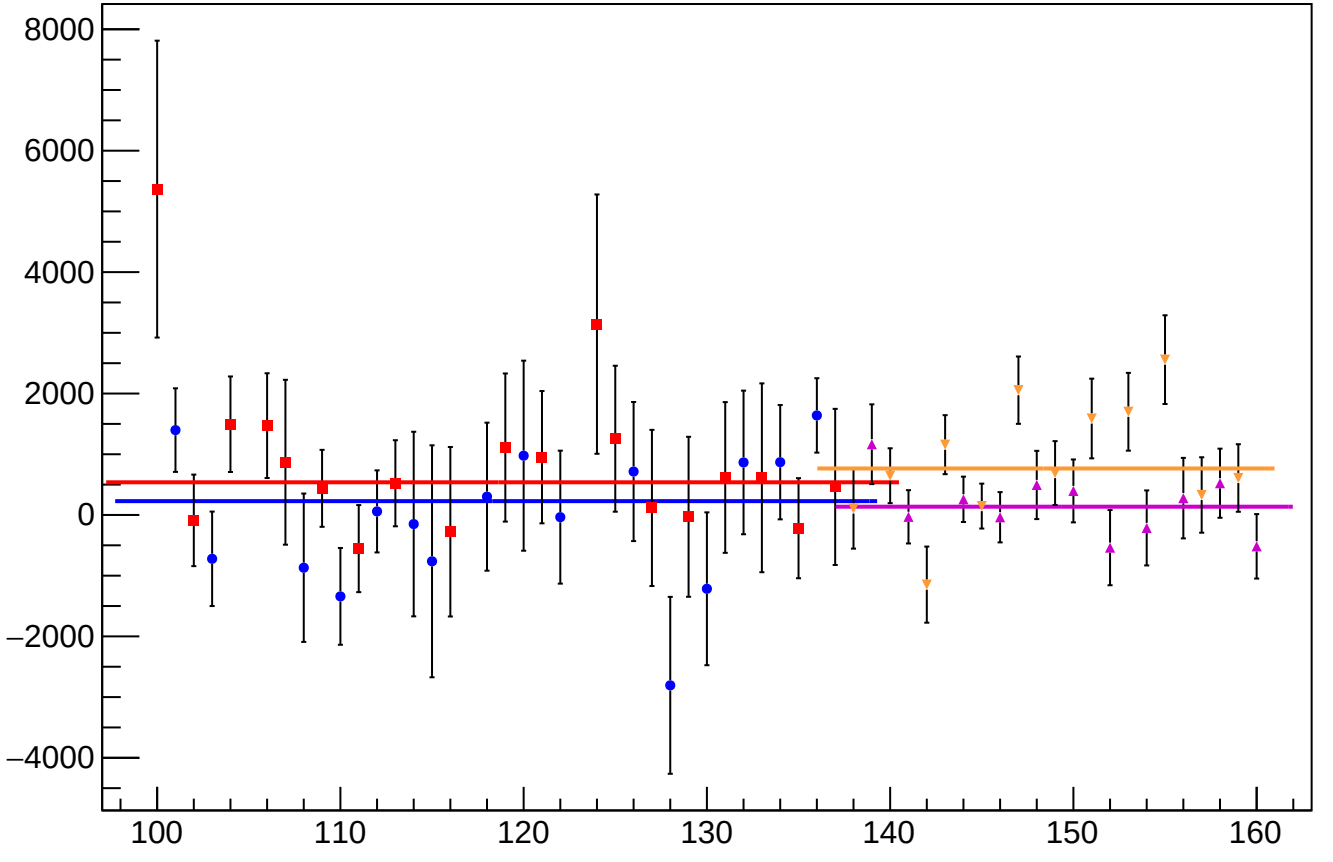
Left In: 47.350+/-0.011 χ^2/NDF:156359.7/10

+ sign 51.182+/-0.009 χ^2/NDF: 791627.3/27

All: 51.079+/-0.006 χ^2/NDF: 1589220.1/57

- sign 50.979+/-0.009 χ^2/NDF: 797333.8/29

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 765.618+/-156.942 χ^2/NDF:29.6/11

Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

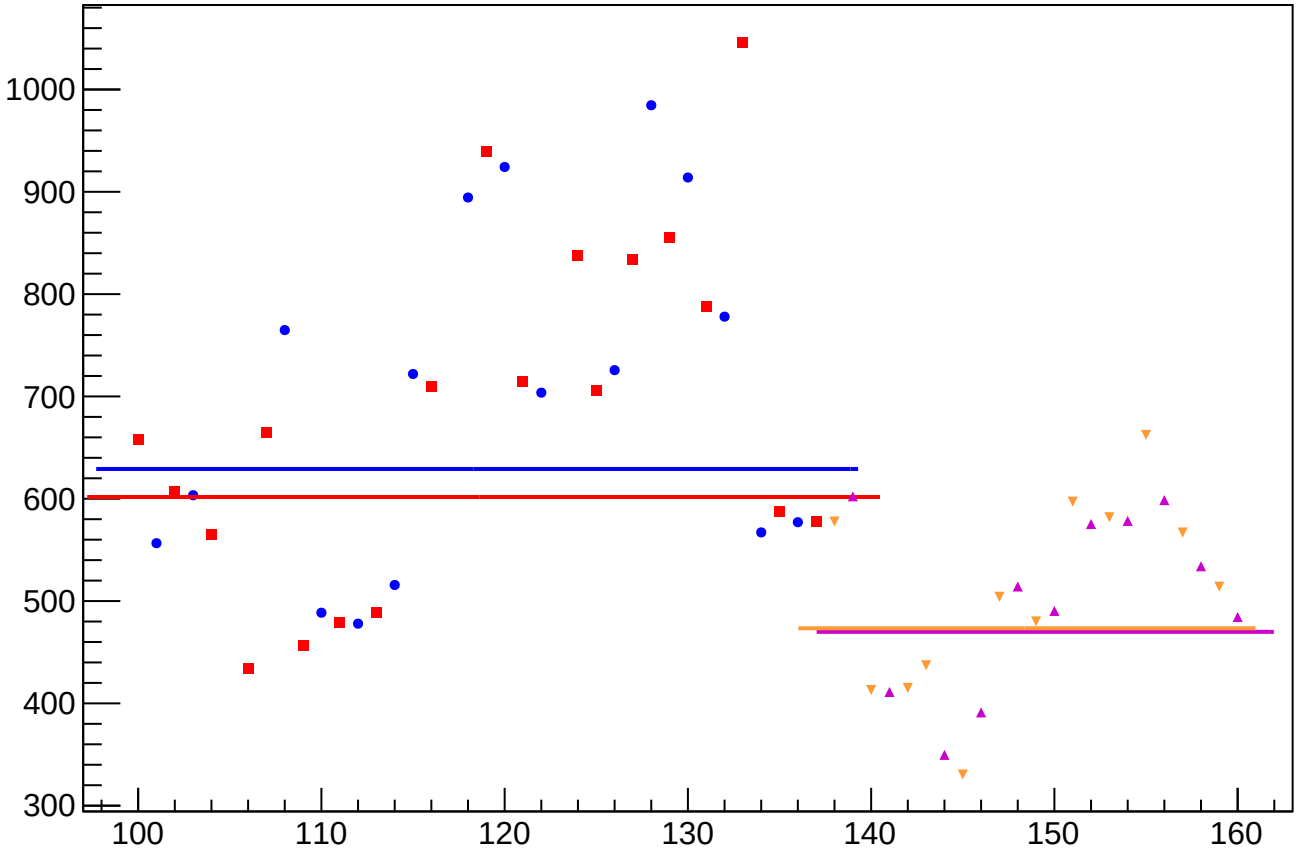
Left In: 136.069+/-155.159 χ^2/NDF:7.1/10

+ sign 605.597+/-131.551 χ^2/NDF: 54.7/27

All: 430.031+/-91.889 χ^2/NDF: 80.7/57

- 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: 473.384+/-0.111 χ^2/NDF:737322.3/11

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

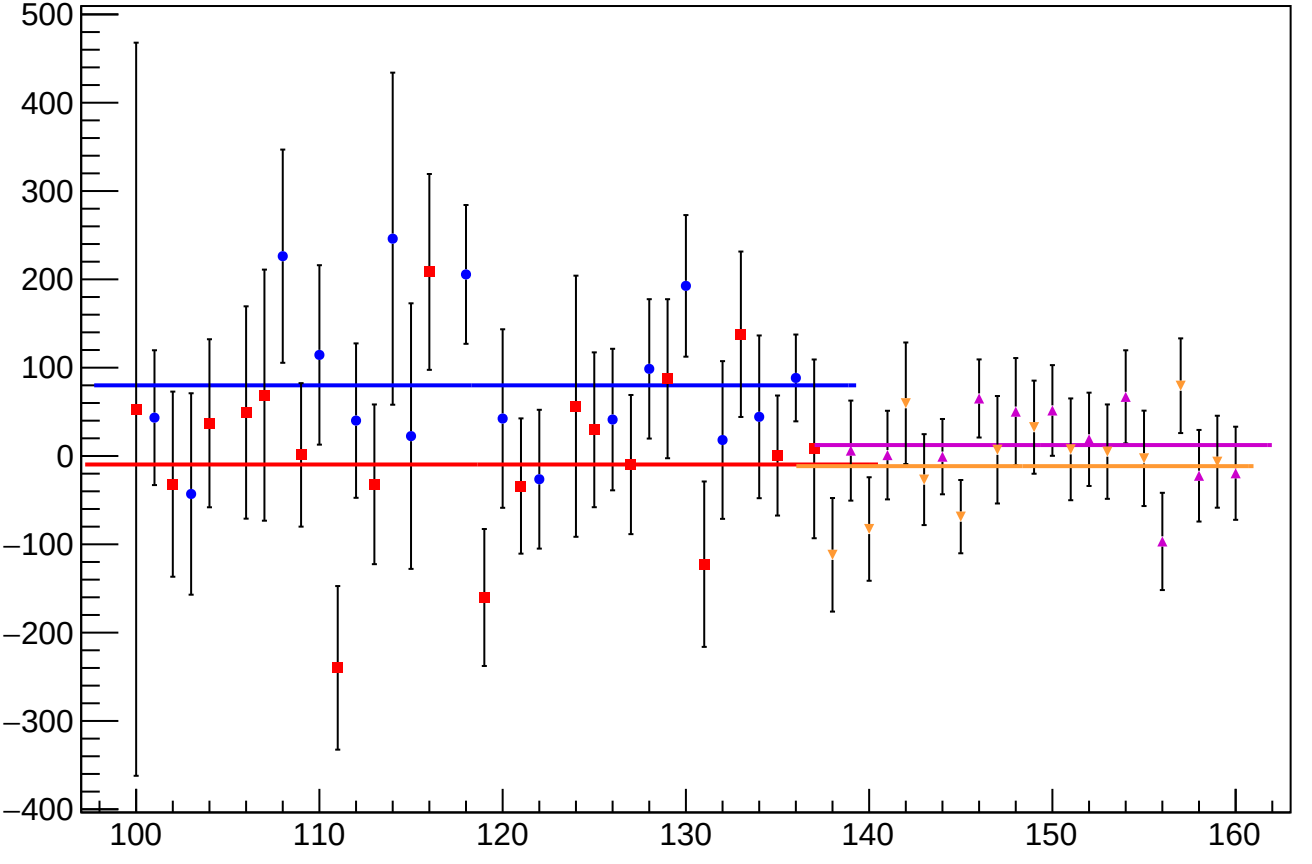
Left In: 469.888+/-0.110 χ^2/NDF:634238.5/10

\+ sign 519.694+/-0.093 χ^2/NDF: 2015579.0/27

All: 515.461+/-0.065 χ^2/NDF: 3982853.8/57

\- 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: -11.496+/-15.726 χ^2/NDF:10.9/11

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

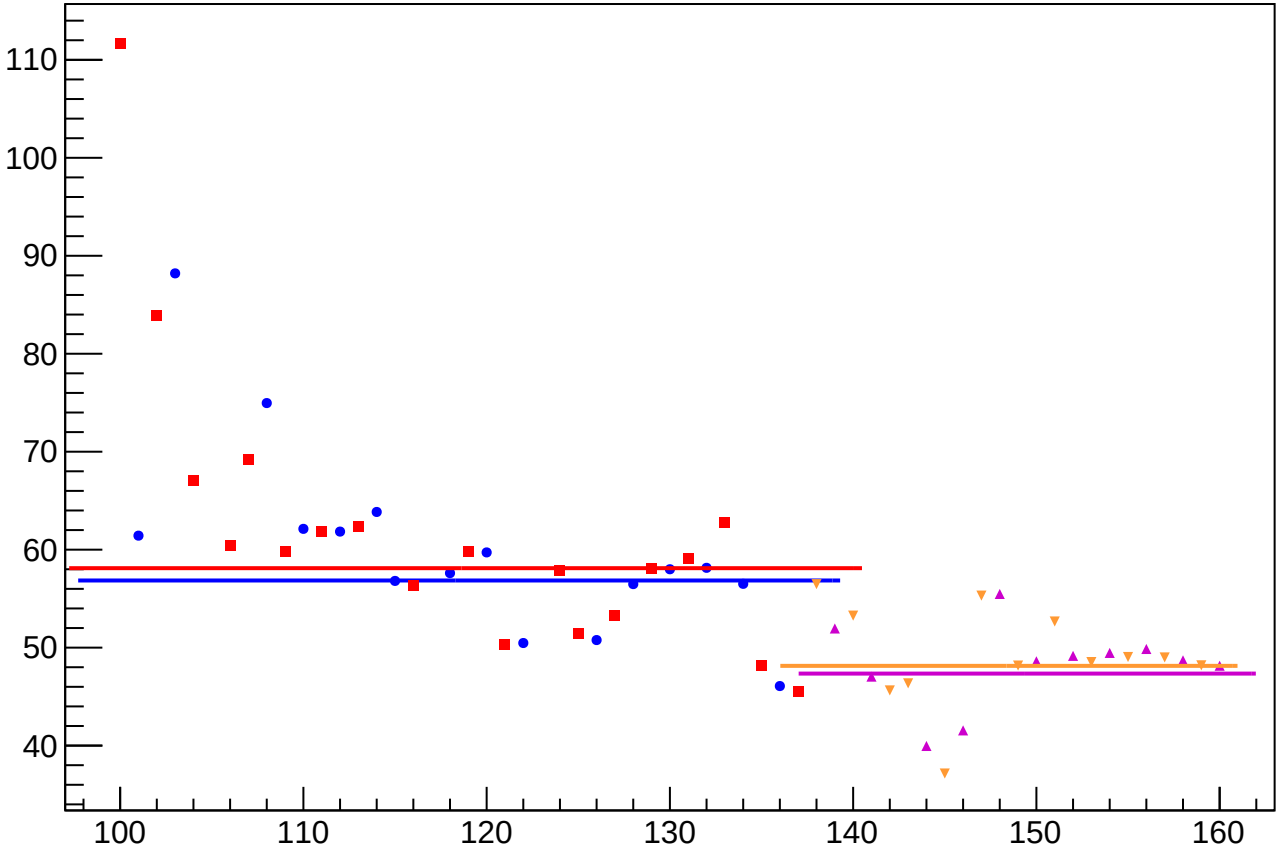
Left In: 12.377+/-15.428 χ^2/NDF:8.4/10

+ sign 20.442+/-12.687 χ^2/NDF: 34.3/27

All: 12.623+/-8.926 χ^2/NDF: 64.5/57

- 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: 48.140+/-0.011 χ^2/NDF:235641.4/11

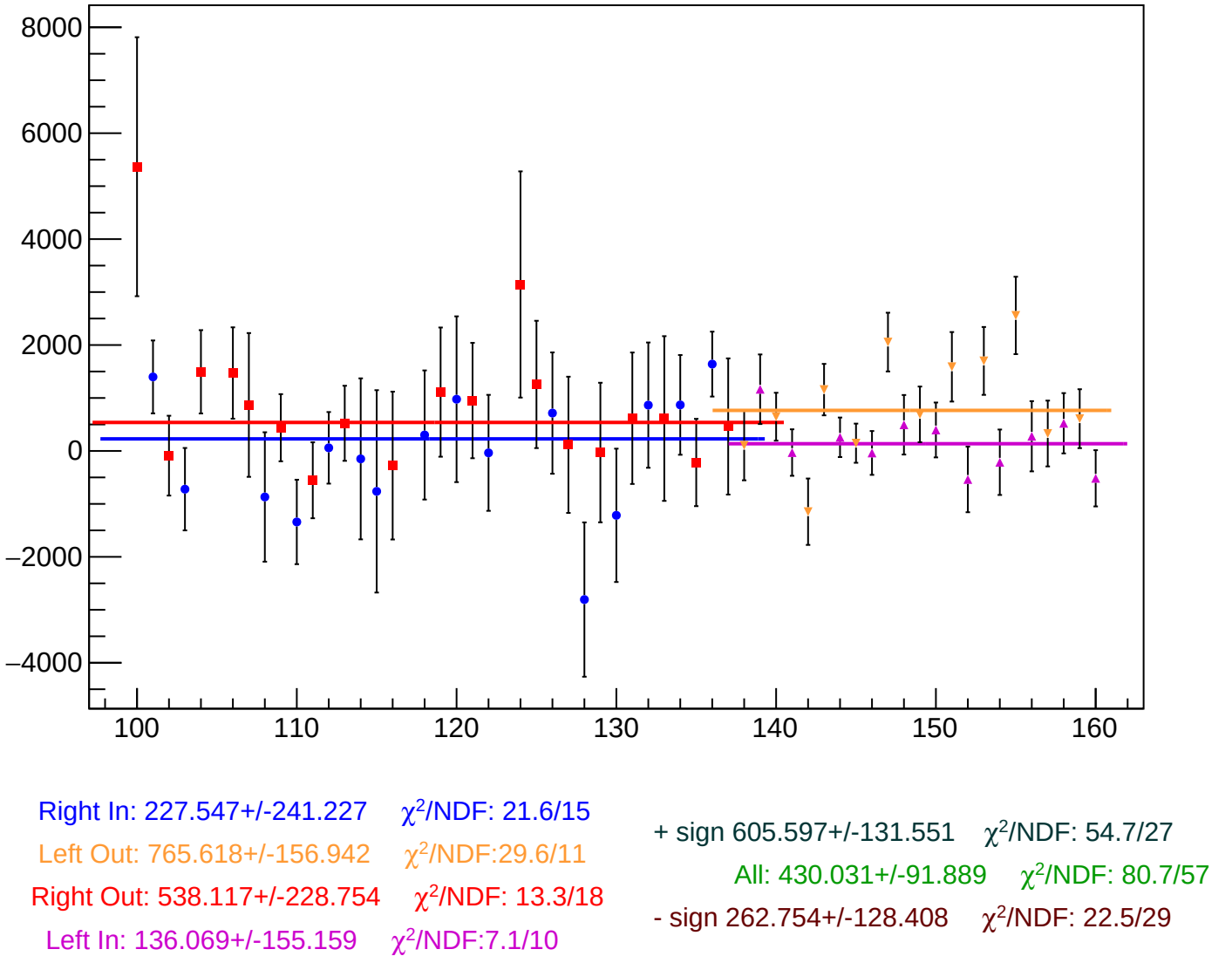
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

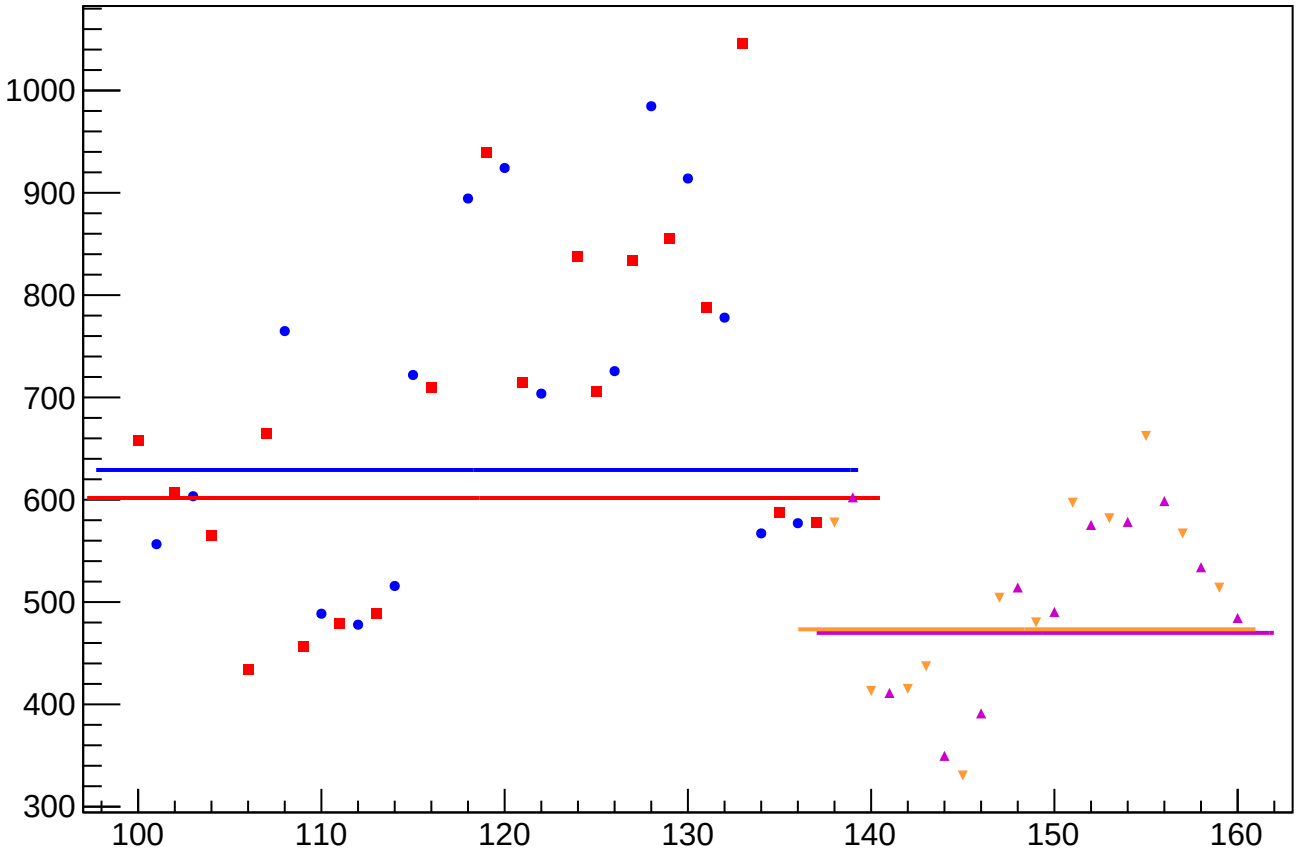
Left In: 47.350+/-0.011 χ^2/NDF:156359.7/10

+ sign 51.182+/-0.009 χ^2/NDF: 791627.3/27

All: 51.079+/-0.006 χ^2/NDF: 1589220.1/57

- sign 50.979+/-0.009 χ^2/NDF: 797333.8/29


asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 227.547+/-241.227 χ²/NDF: 21.6/15
Left Out: 765.618+/-156.942 χ²/NDF:29.6/11
Right Out: 538.117+/-228.754 χ²/NDF: 13.3/18
Left In: 136.069+/-155.159 χ²/NDF:7.1/10
+ sign 605.597+/-131.551 χ²/NDF: 54.7/27
All: 430.031+/-91.889 χ²/NDF: 80.7/57
- sign 262.754+/-128.408 χ²/NDF: 22.5/29



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 473.384+/-0.111 χ^2/NDF:737322.3/11

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

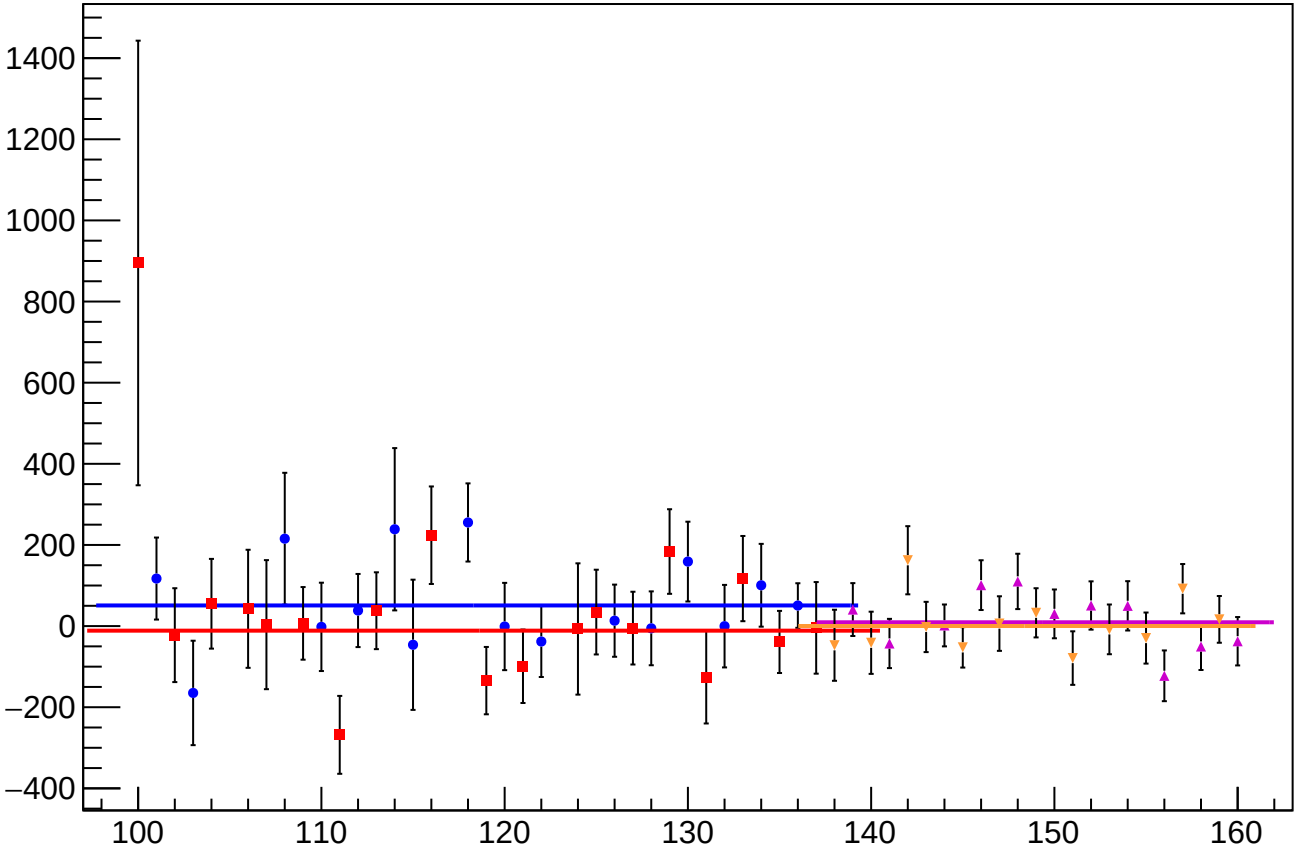
Left In: 469.888+/-0.110 χ^2/NDF:634238.5/10

+ sign 519.694+/-0.093 χ^2/NDF: 2015579.0/27

All: 515.461+/-0.065 χ^2/NDF: 3982853.8/57

- 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: 0.201+/-18.508 χ^2/NDF:9.8/11

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

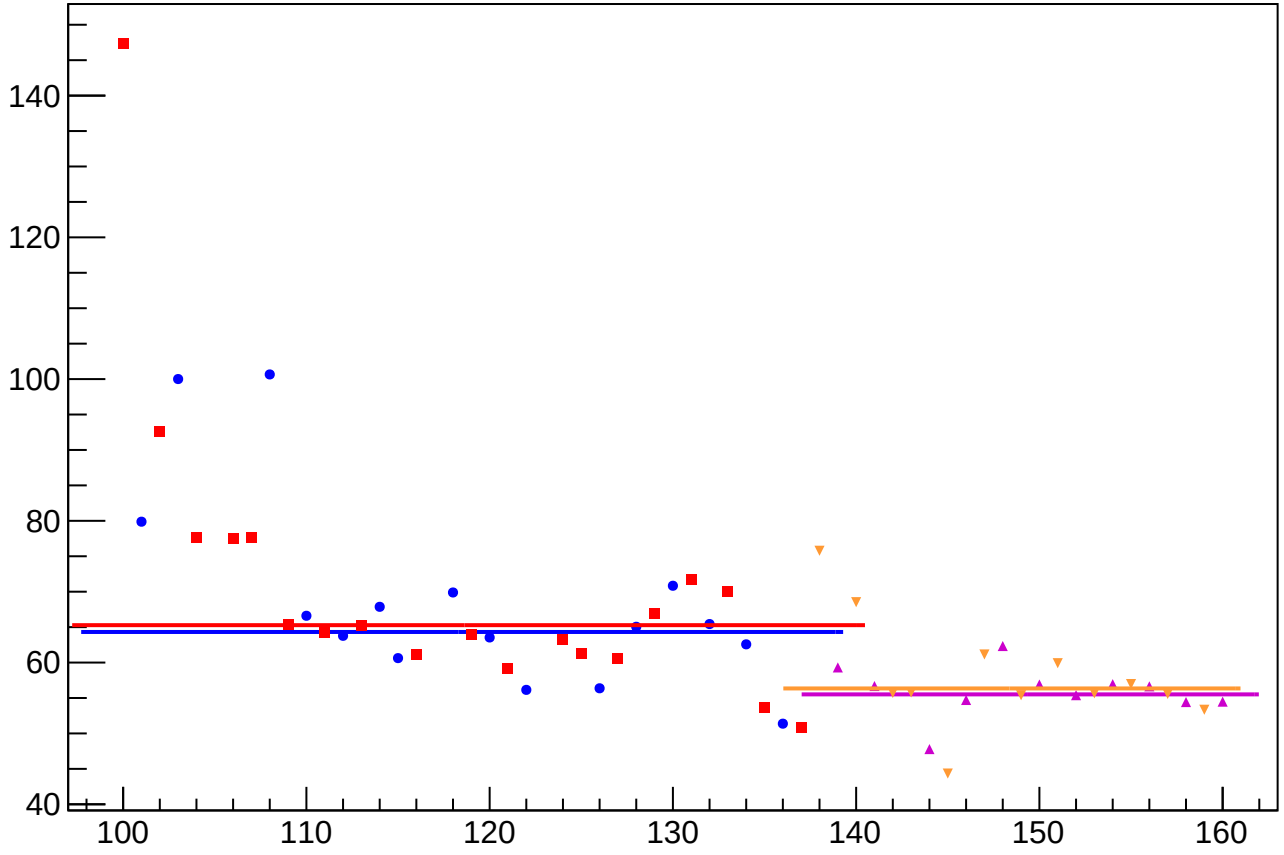
Left In: 9.376+/-18.176 χ^2/NDF:12.6/10

+ sign 18.614+/-14.766 χ^2/NDF: 26.3/27

All: 10.181+/-10.368 χ^2/NDF: 64.0/57

- 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: 56.348+/-0.013 χ^2/NDF:288142.7/11

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

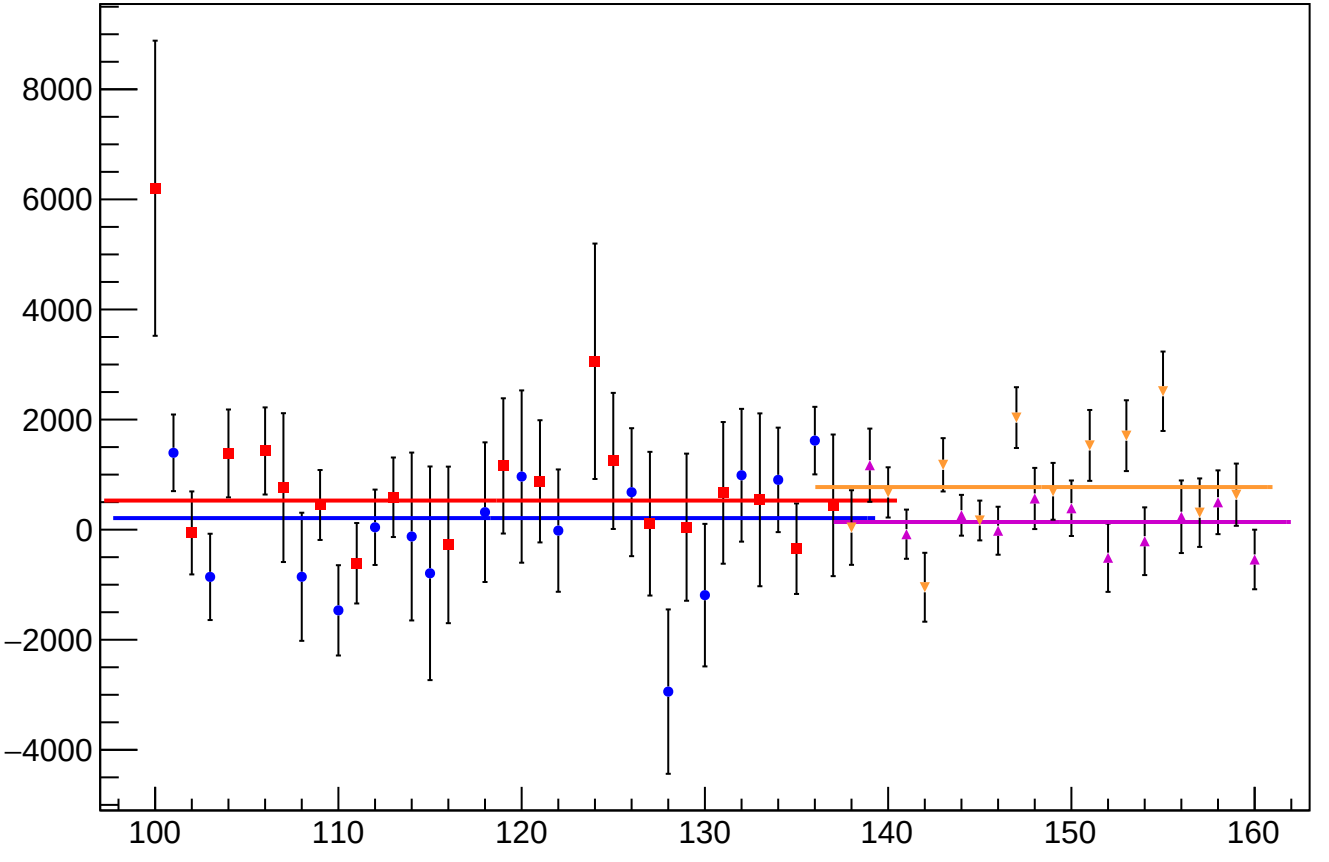
Left In: 55.510+/-0.013 χ^2/NDF:76804.7/10

+ sign 59.244+/-0.010 χ^2/NDF: 887874.0/27

All: 59.126+/-0.007 χ^2/NDF: 1490986.7/57

- 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: 773.810+/-156.276 χ^2/NDF:28.4/11

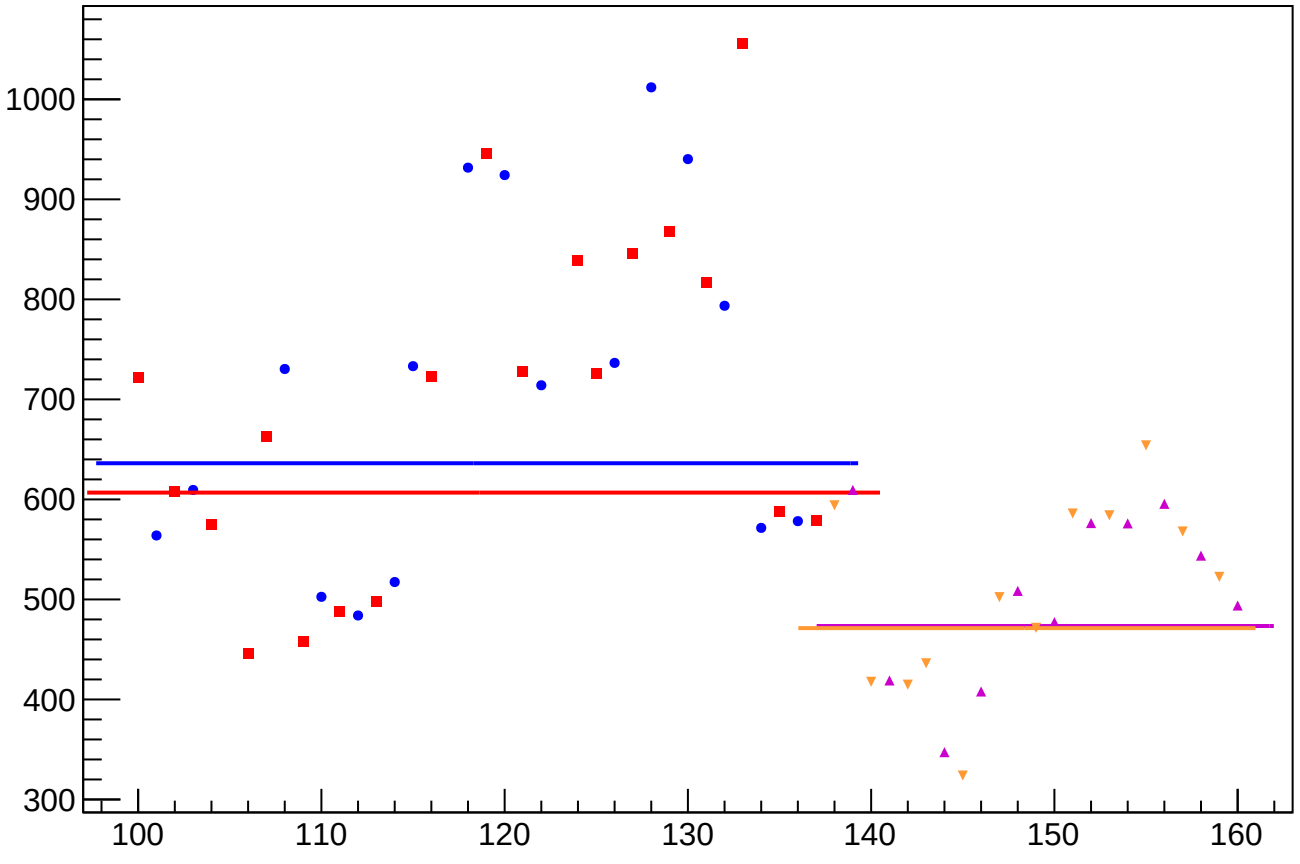
Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: 139.118+/-156.309 χ^2/NDF:7.1/10

\+ sign 609.618+/-131.567 χ^2/NDF: 54.6/27

All: 432.903+/-92.192 χ^2/NDF: 81.1/57

\- 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: 471.303+/-0.111 χ^2/NDF:776830.6/11

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

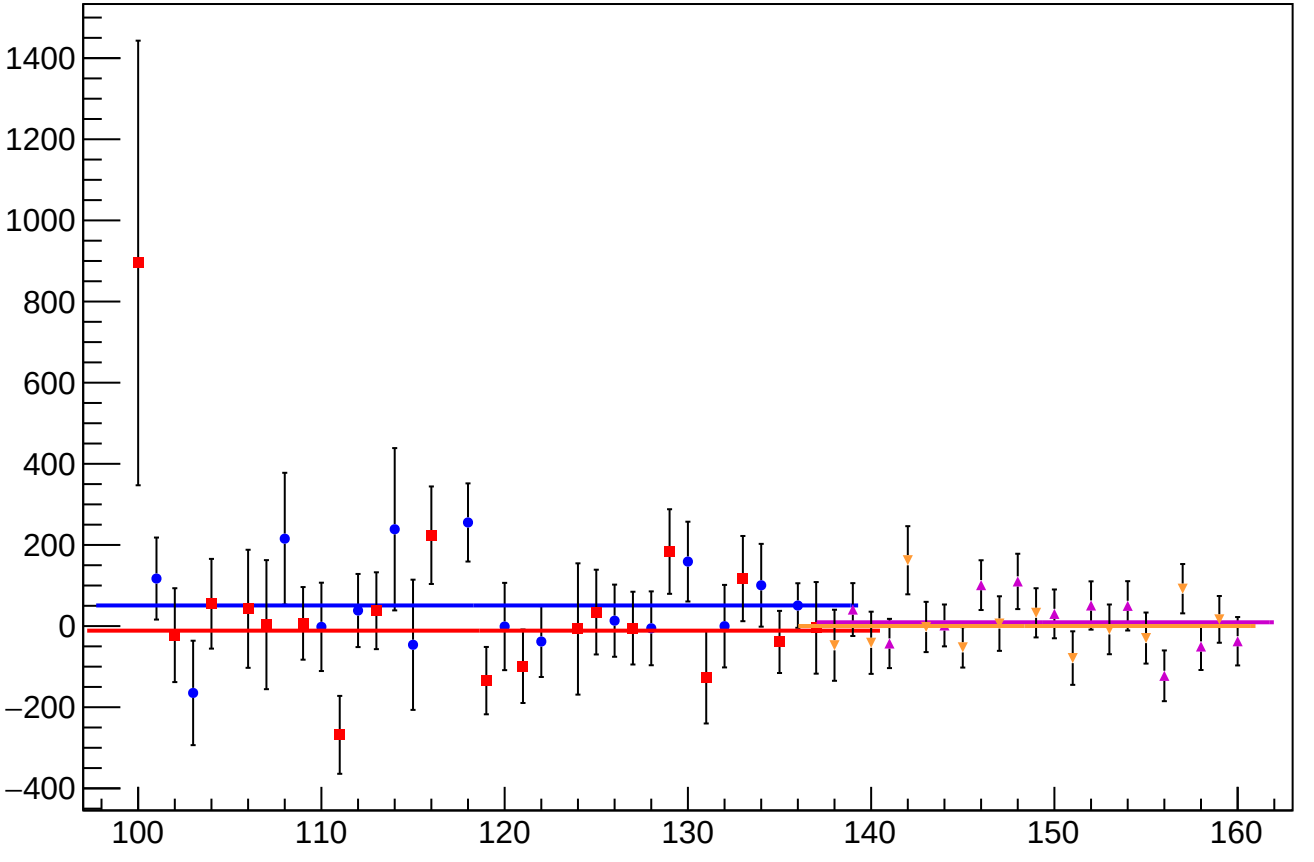
Left In: 473.437+/-0.111 χ^2/NDF:610117.8/10

+ sign 519.309+/-0.093 χ^2/NDF: 2130123.5/27

All: 517.448+/-0.065 χ^2/NDF: 4095783.3/57

- 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: 0.200+/-18.508 χ^2/NDF:9.8/11

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

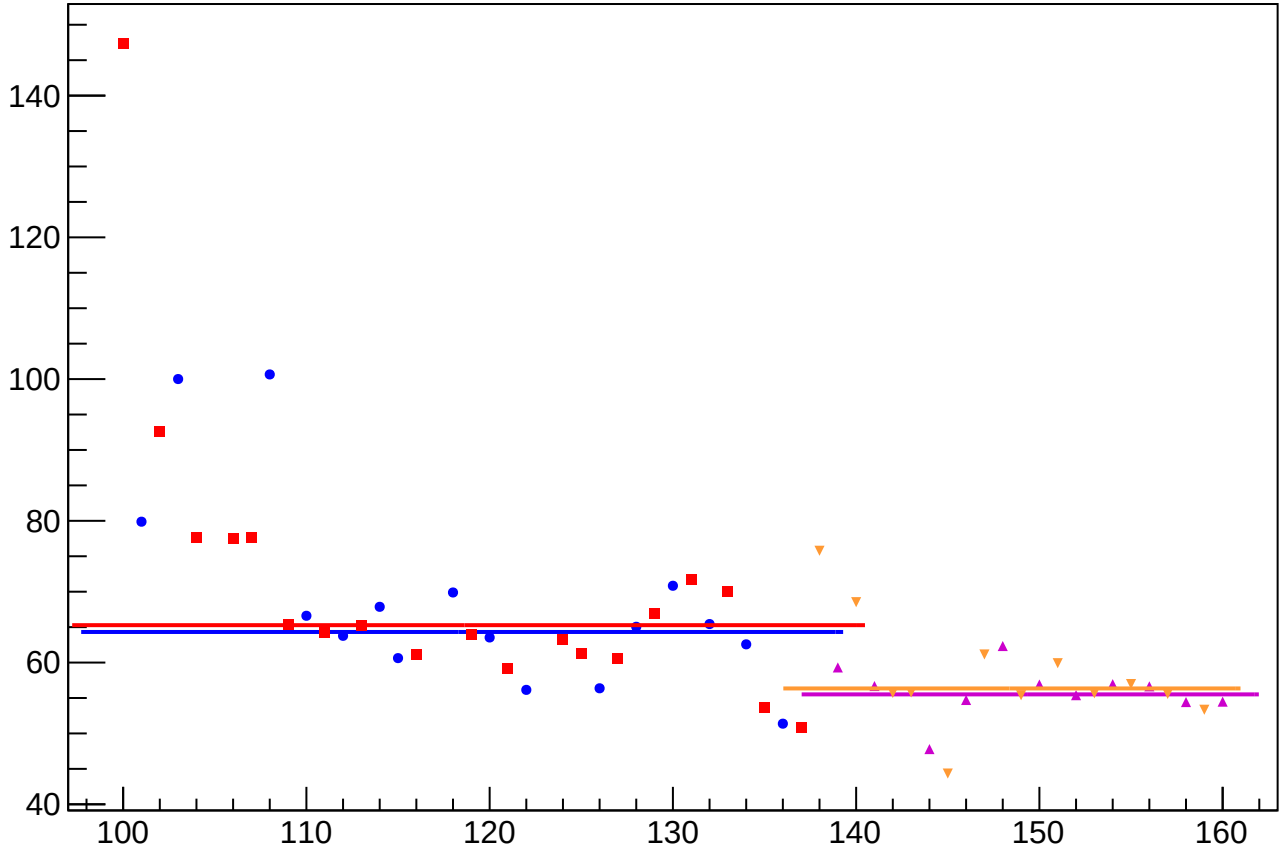
Left In: 9.376+/-18.176 χ^2/NDF:12.6/10

+ sign 18.613+/-14.766 χ^2/NDF: 26.3/27

All: 10.181+/-10.368 χ^2/NDF: 64.0/57

- 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: 56.348+/-0.013 χ^2/NDF:288129.2/11

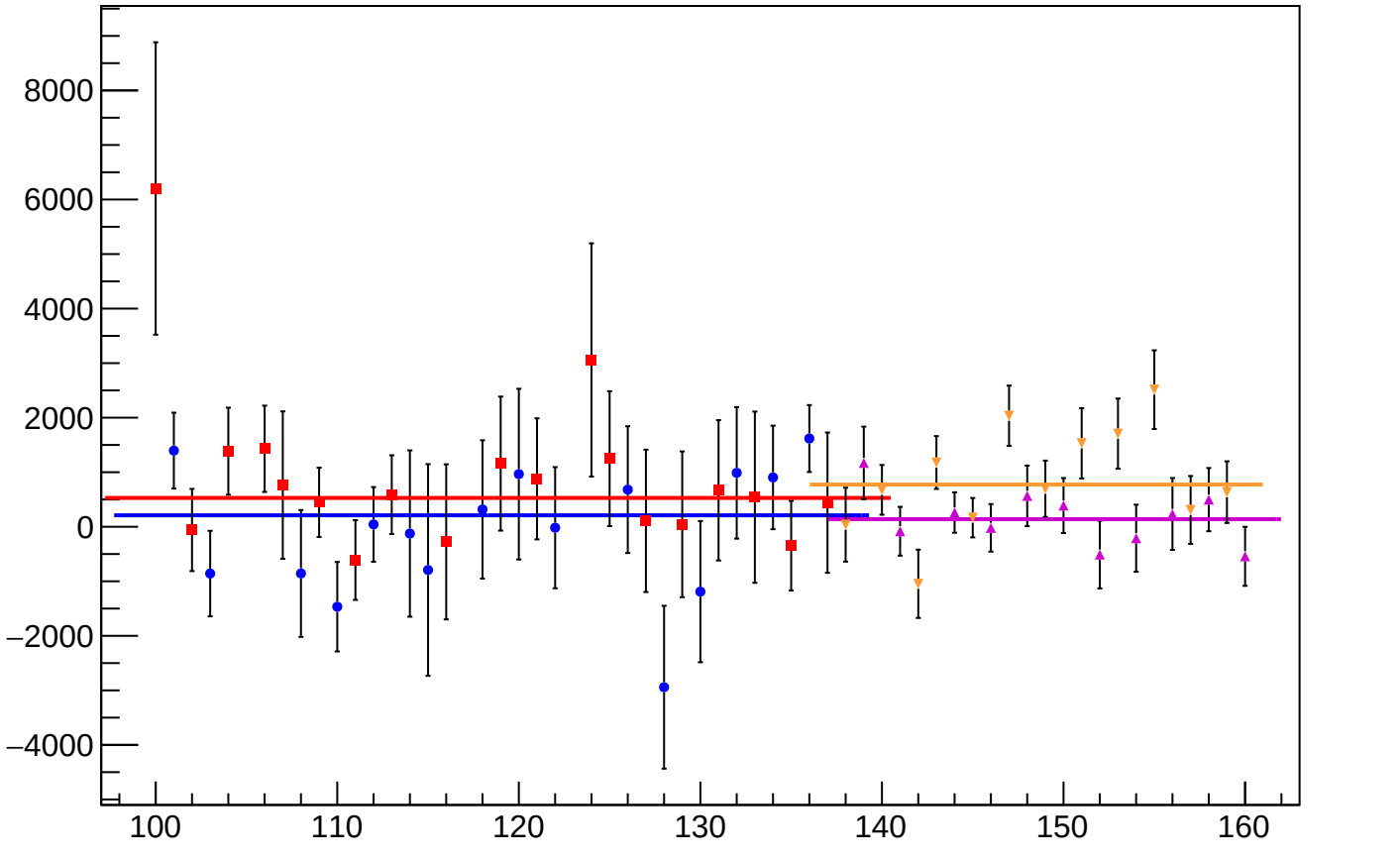
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.511+/-0.013 χ^2/NDF:76800.2/10

+ sign 59.244+/-0.010 χ^2/NDF: 887850.6/27

All: 59.126+/-0.007 χ^2/NDF: 1490952.8/57

- 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: 773.808+/-156.276 χ^2/NDF:28.4/11

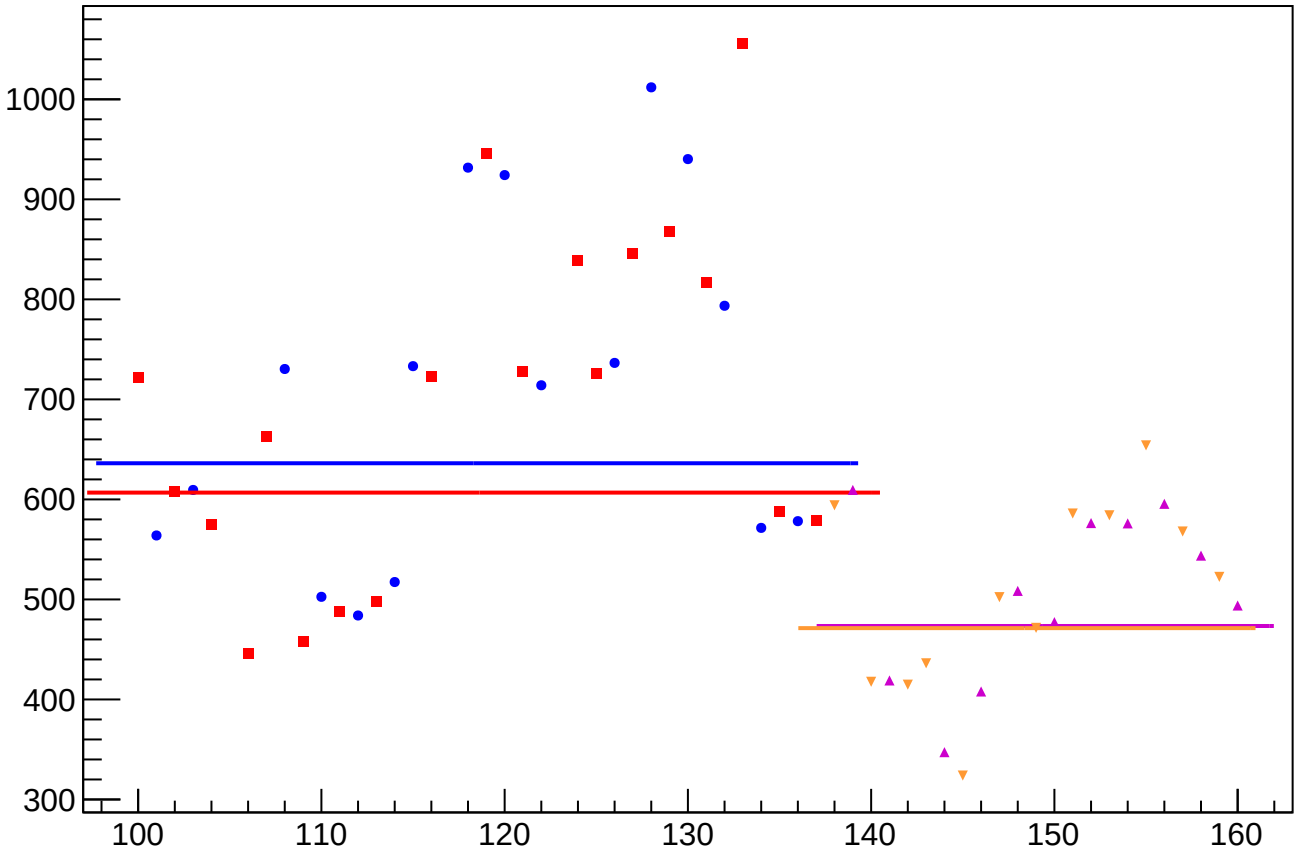
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 139.117+/-156.308 χ^2/NDF:7.1/10

+ sign 609.617+/-131.567 χ^2/NDF: 54.6/27

All: 432.902+/-92.192 χ^2/NDF: 81.1/57

- 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: 471.302+/-0.111 χ^2/NDF:776837.5/11

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

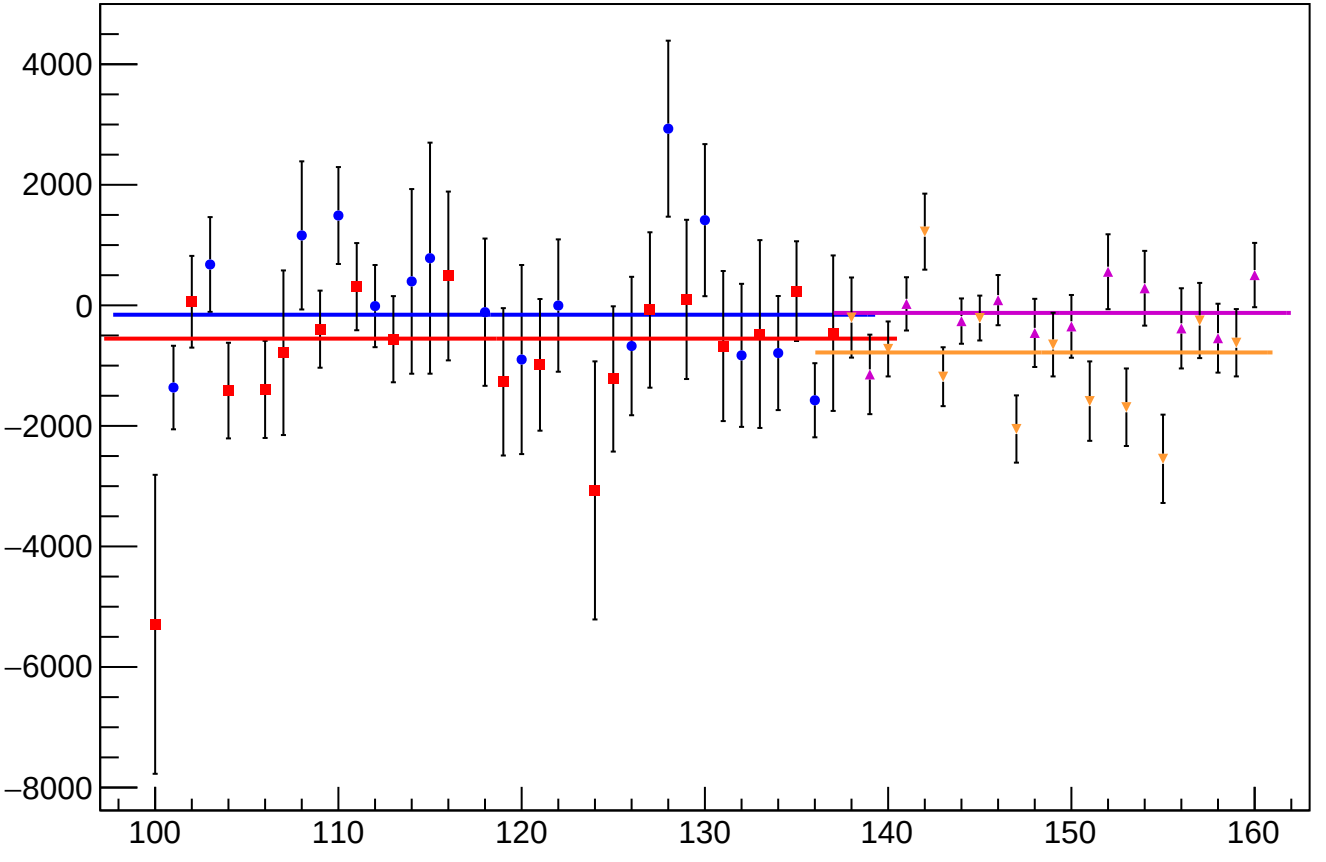
Left In: 473.437+/-0.111 χ^2/NDF:610118.2/10

+ sign 519.308+/-0.093 χ^2/NDF: 2130137.5/27

All: 517.448+/-0.065 χ^2/NDF: 4095800.9/57

- 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: -781.801+/-157.815 χ^2/NDF:29.3/11

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

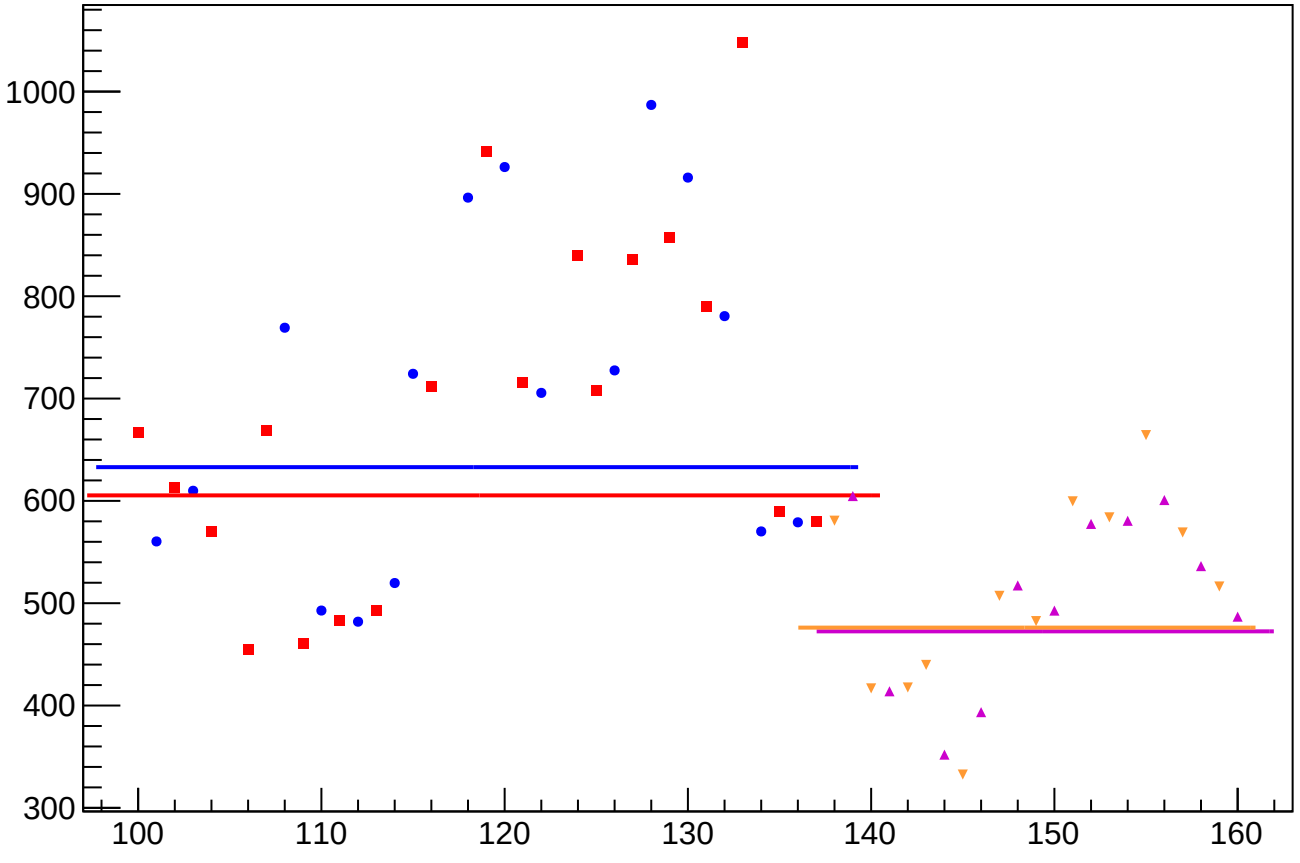
Left In: -125.551+/-155.986 χ^2/NDF:7.1/10

+ sign -595.614+/-132.287 χ^2/NDF: 56.4/27

All: -423.891+/-92.320 χ^2/NDF: 81.3/57

- 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: 476.148+/-0.112 χ^2/NDF:728894.4/11

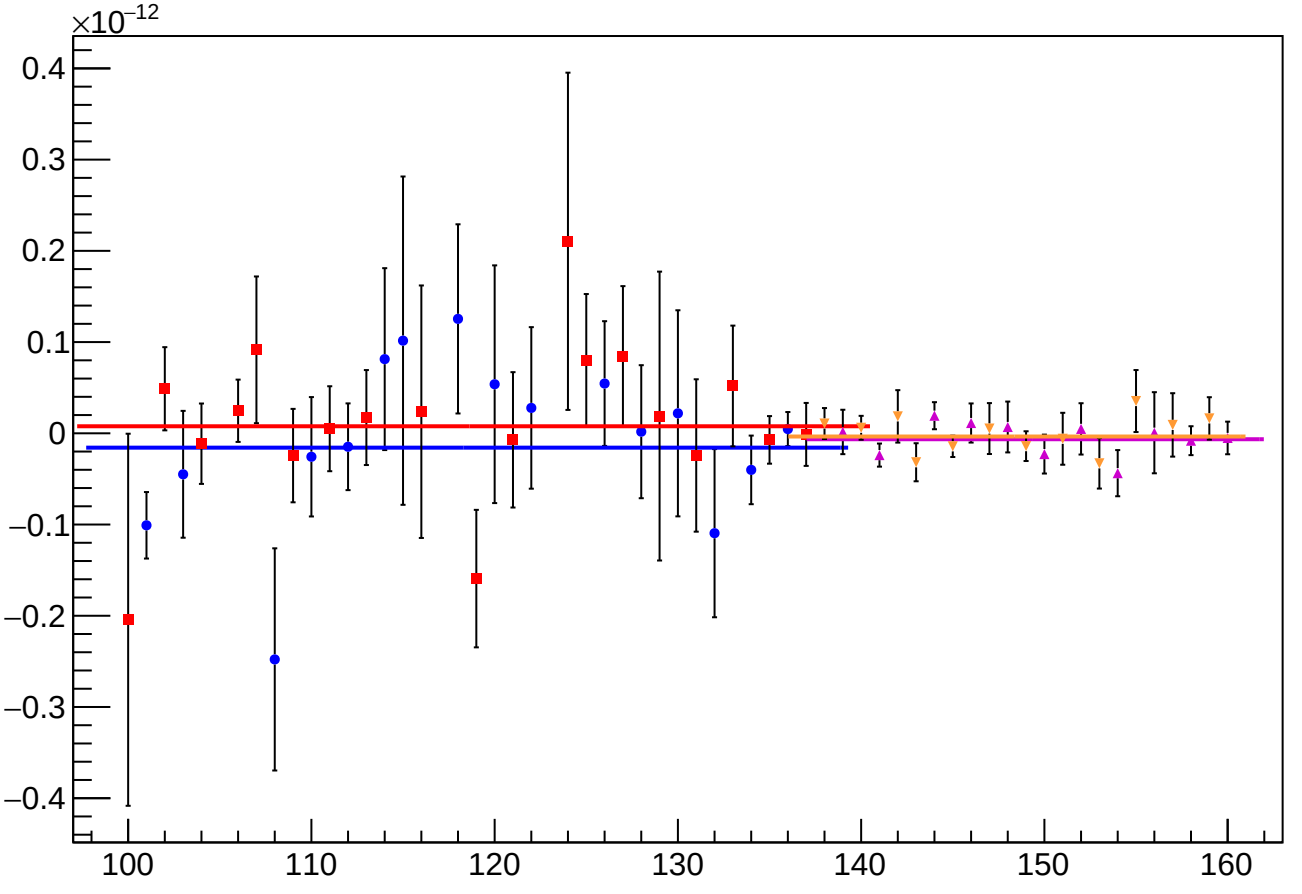
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 472.496+/-0.110 χ^2/NDF:626955.0/10

+ sign 522.778+/-0.094 χ^2/NDF: 1997250.5/27

All: 518.602+/-0.065 χ^2/NDF: 3942353.7/57

- 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:8.3/11

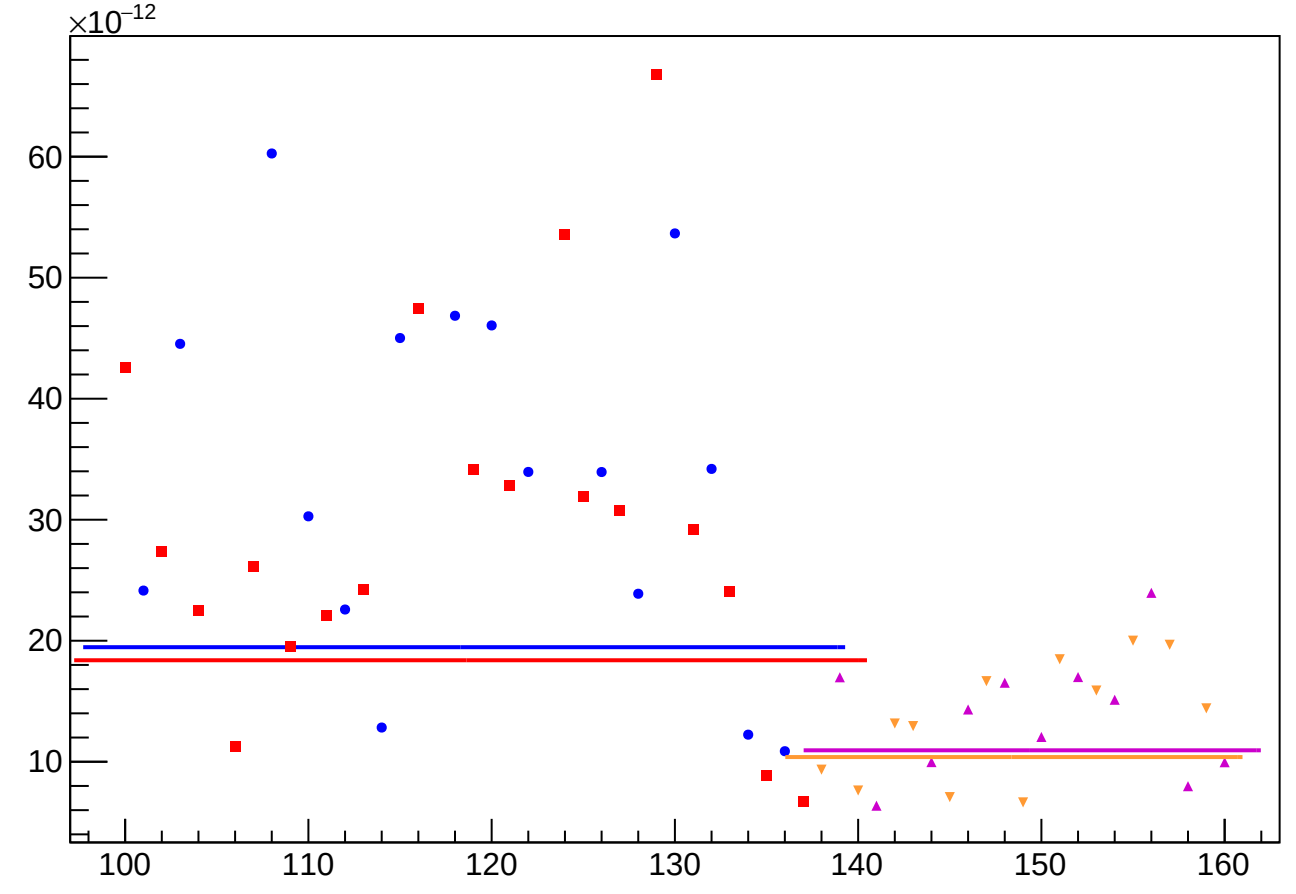
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 26.0/27

All: -0.000+/-0.000 χ^2/NDF: 49.0/57

- 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:1114489.6/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

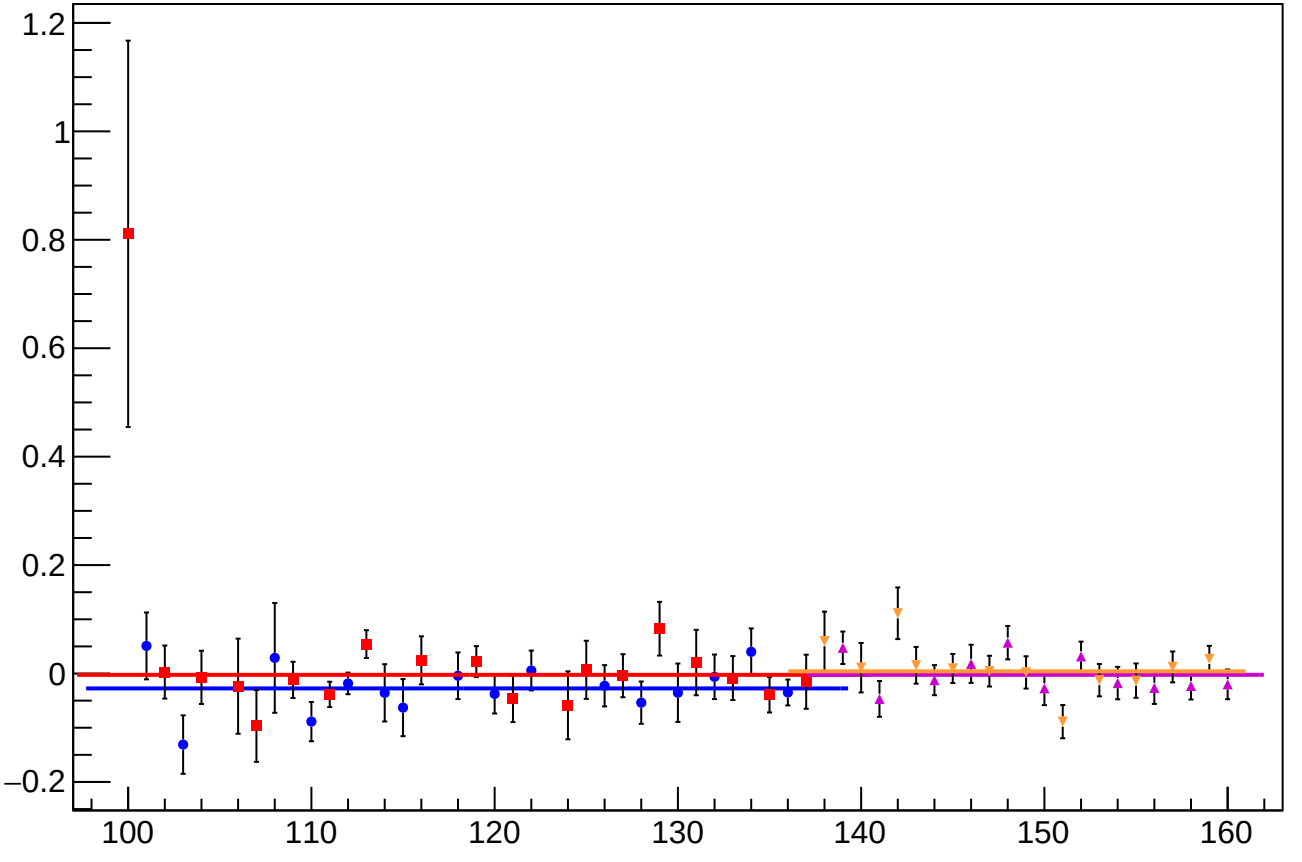
Left In: 0.000+/-0.000 χ^2/NDF:923251.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 3713331.7/27

All: 0.000+/-0.000 χ^2/NDF: 6694628.3/57

- 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: 0.004+/-0.009 χ^2/NDF:17.0/11

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

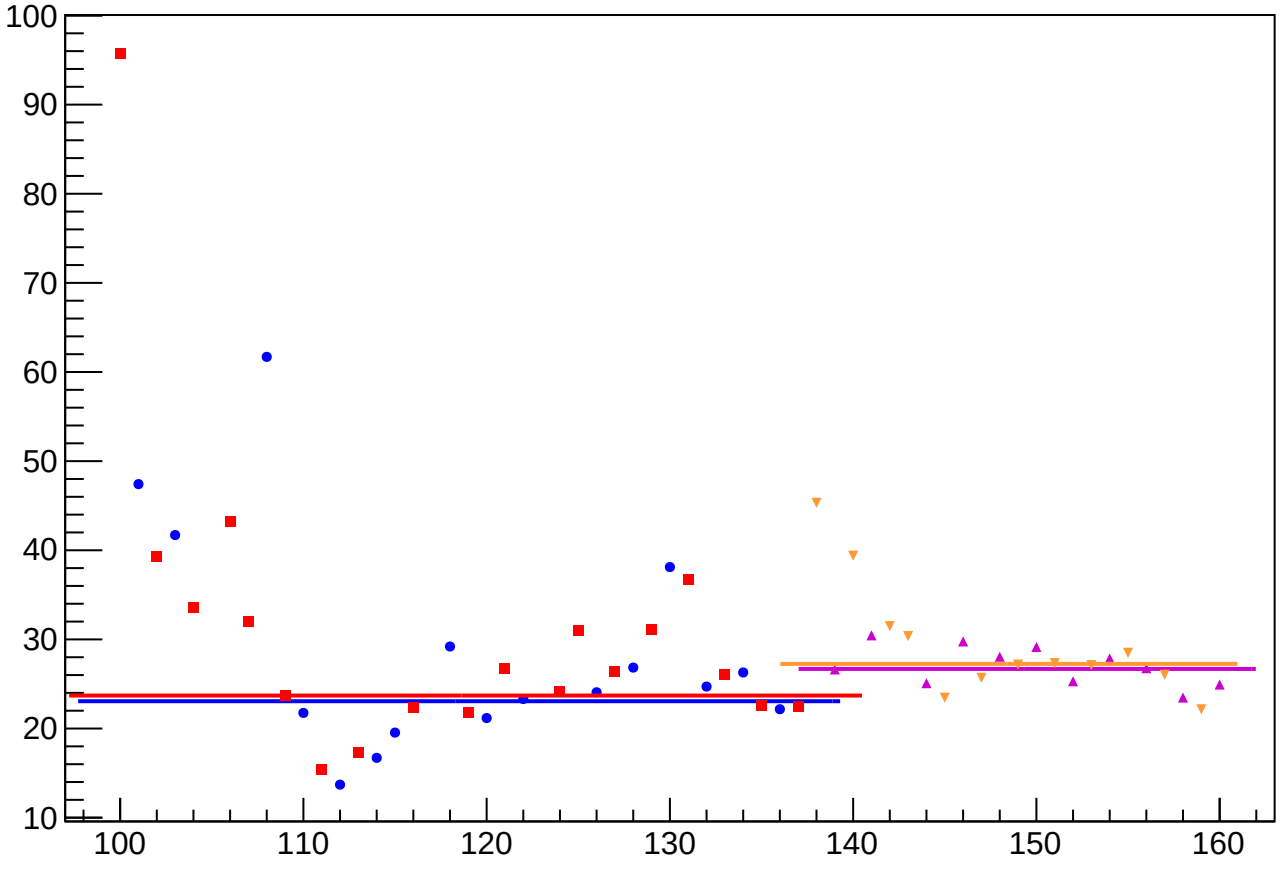
Left In: -0.002+/-0.009 χ^2/NDF:13.0/10

+ sign -0.011+/-0.007 χ^2/NDF: 36.5/27

All: -0.007+/-0.005 χ^2/NDF: 72.5/57

- sign -0.002+/-0.006 χ^2/NDF: 35.1/29

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.256+/-0.006 χ^2/NDF:537488.1/11

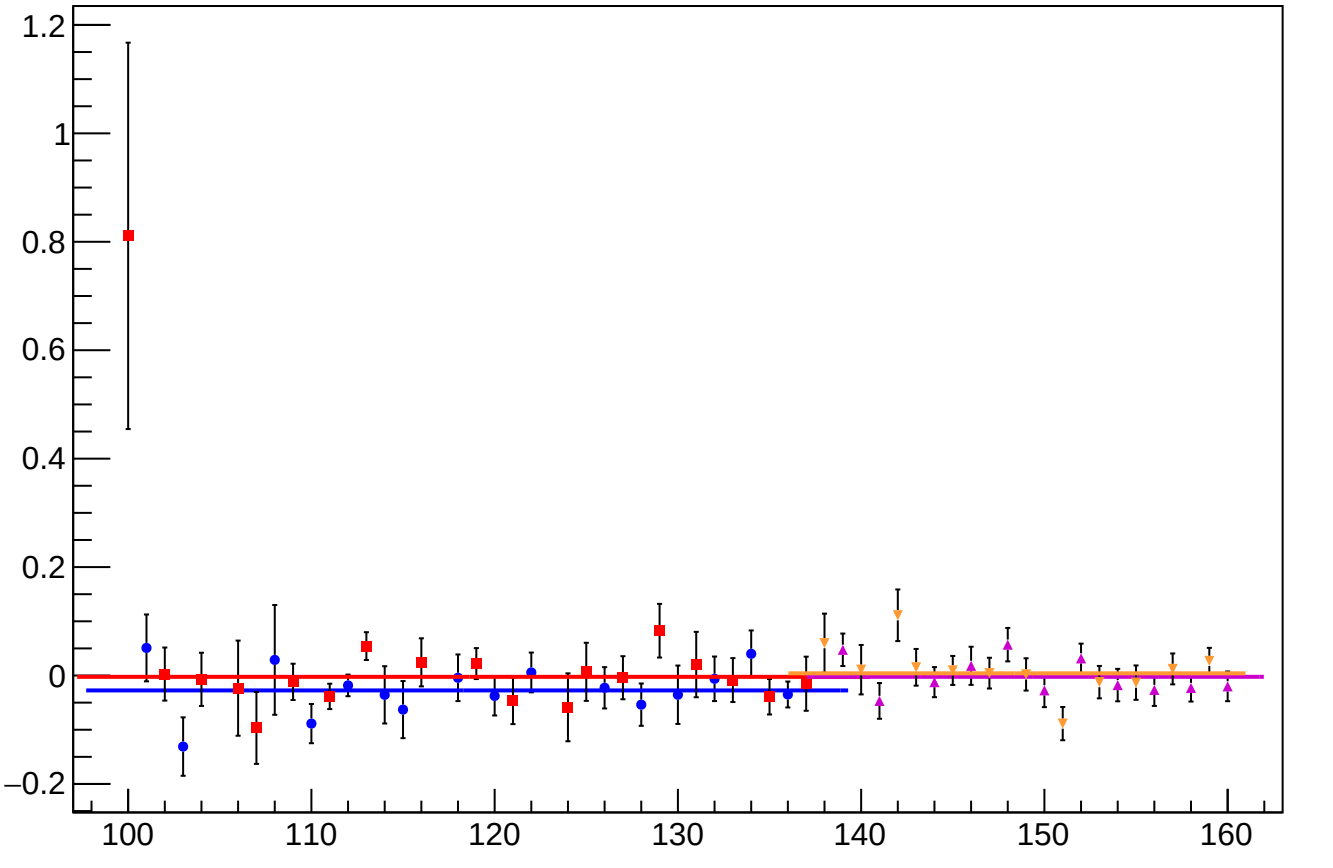
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.687+/-0.006 χ^2/NDF:113965.9/10

+ sign 25.224+/-0.005 χ^2/NDF: 2306962.6/27

All: 25.246+/-0.003 χ^2/NDF: 3617633.3/57

- 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: 0.004+/-0.009 χ^2/NDF:17.0/11

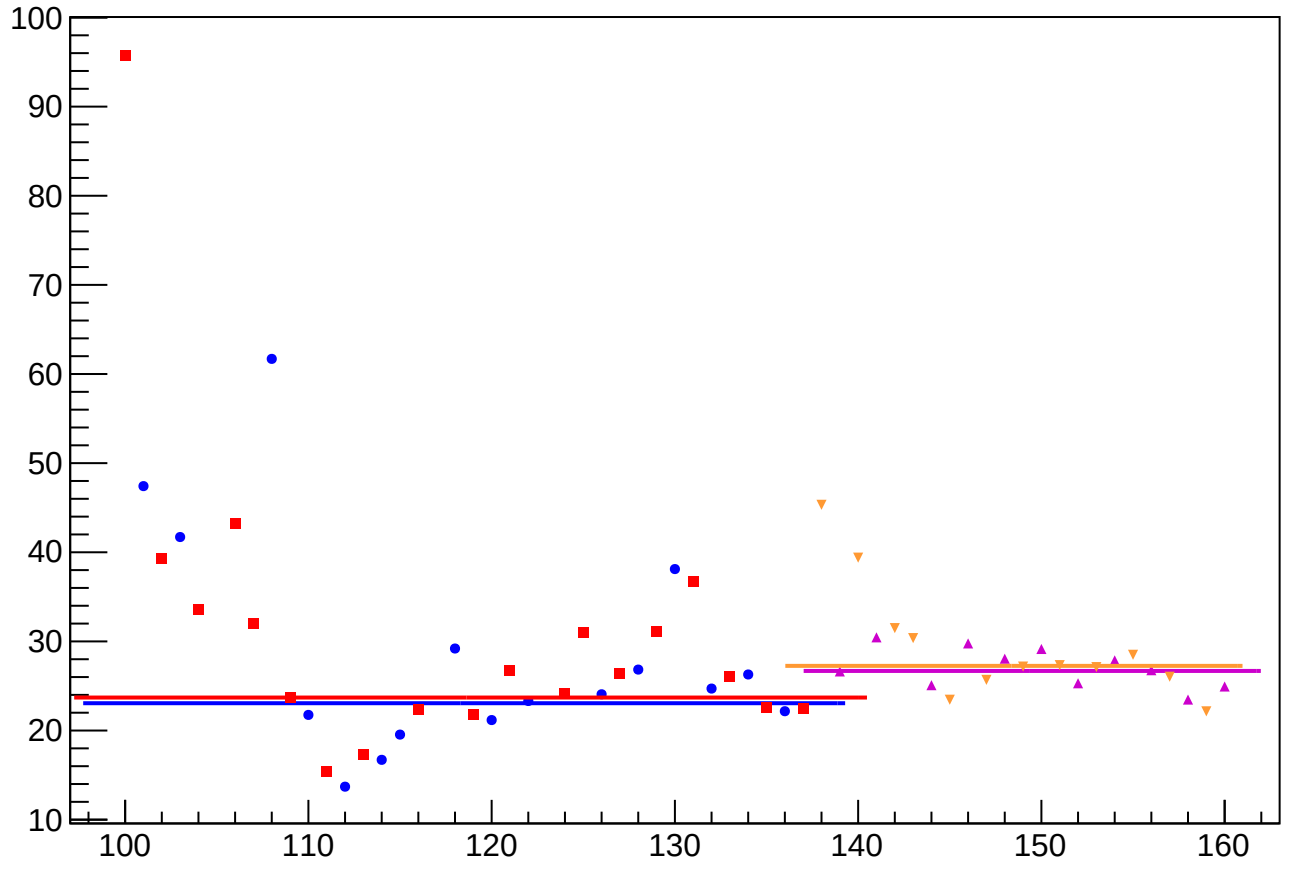
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.009 χ^2/NDF:13.0/10

+ sign -0.011+/-0.007 χ^2/NDF: 36.5/27

All: -0.007+/-0.005 χ^2/NDF: 72.5/57

- 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: 27.256+/-0.006 χ^2/NDF:537488.1/11

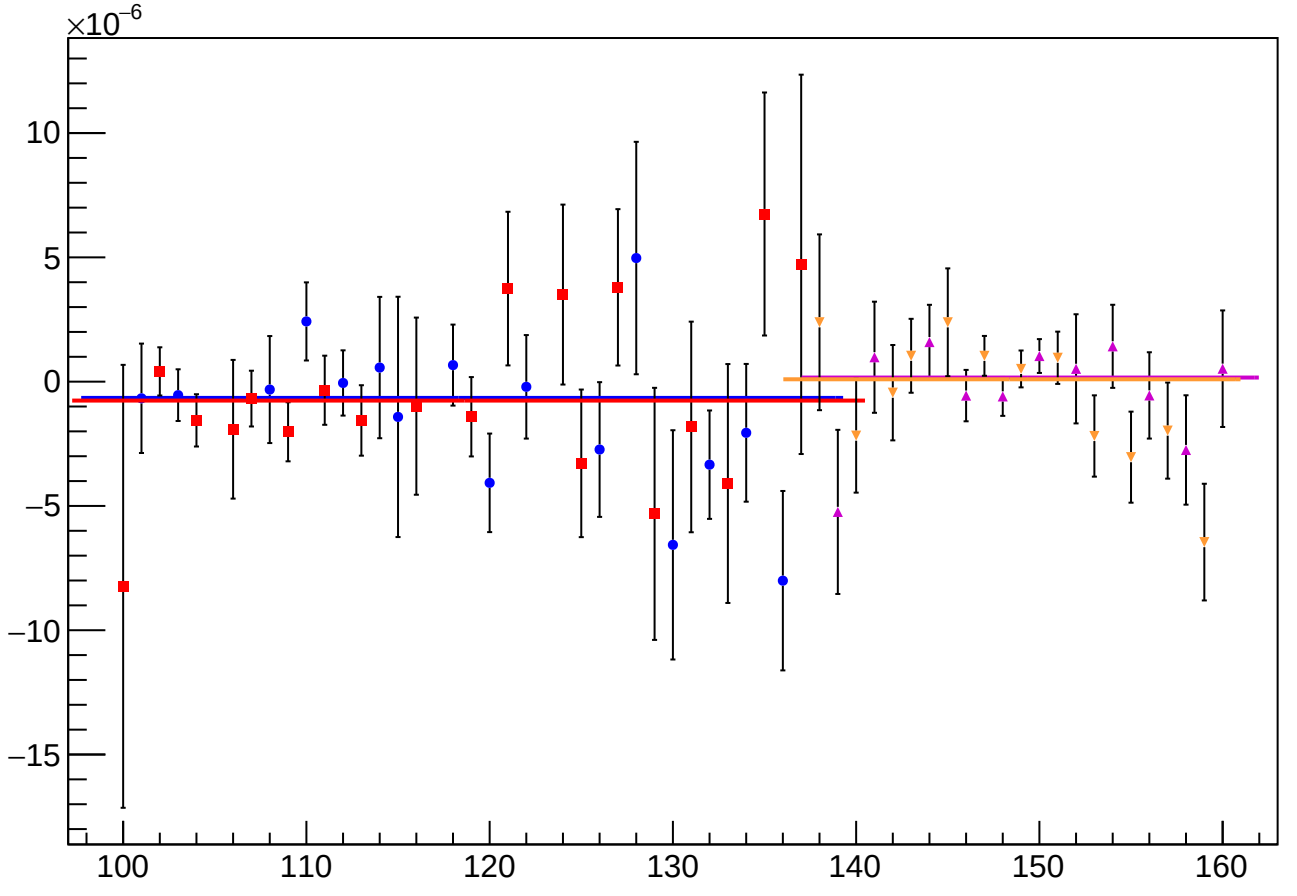
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.687+/-0.006 χ^2/NDF:113965.9/10

+ sign 25.224+/-0.005 χ^2/NDF: 2306962.6/27

All: 25.246+/-0.003 χ^2/NDF: 3617633.3/57

- sign 25.267+/-0.005 χ^2/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:19.2/11

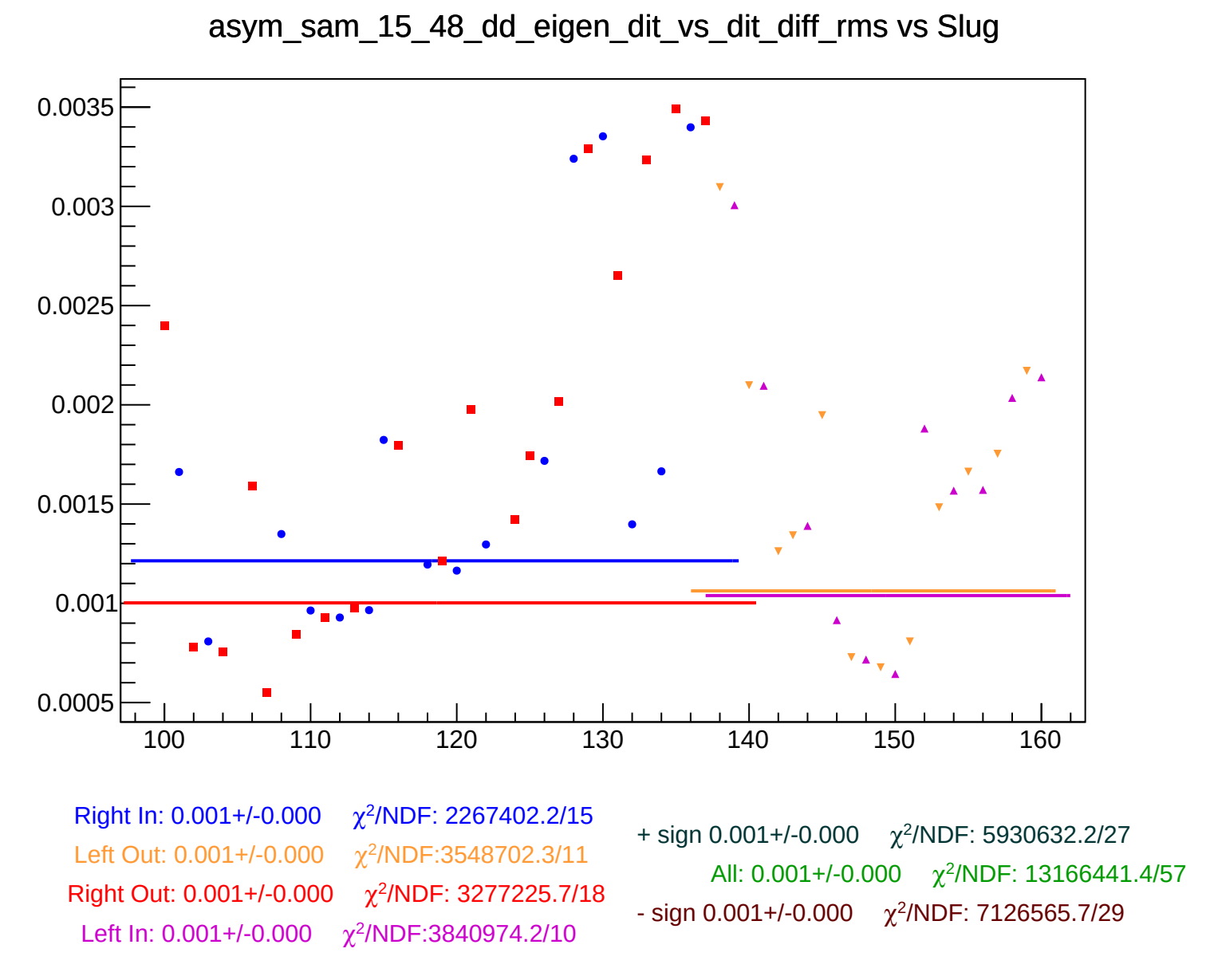
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

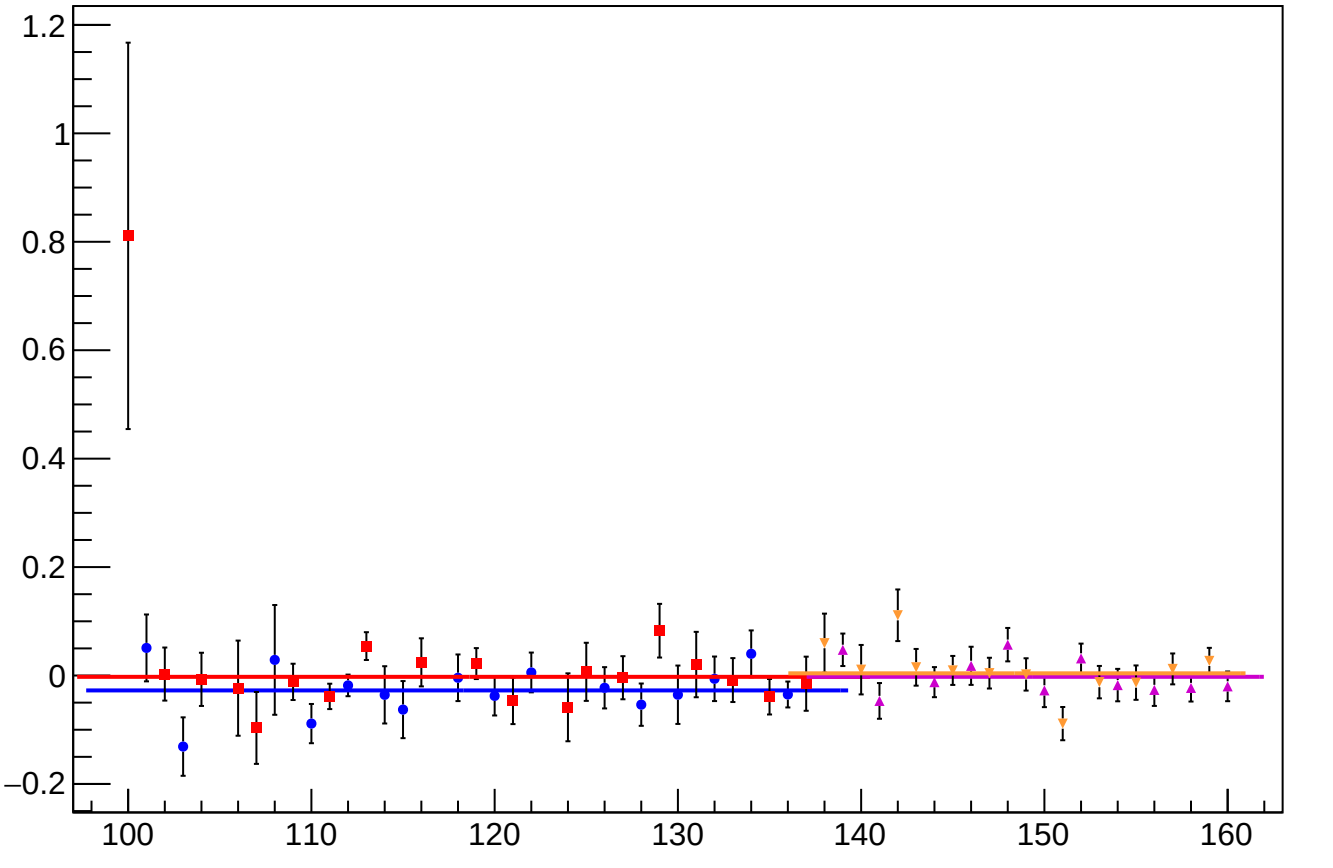
Left In: 0.000+/-0.000 χ^2/NDF:9.3/10

+ sign -0.000+/-0.000 χ^2/NDF: 38.1/27

All: -0.000+/-0.000 χ^2/NDF: 65.3/57

- 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
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: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:3548702.3/11
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: 5930632.2/27
All: 0.001+/-0.000 χ²/NDF: 13166441.4/57
- sign 0.001+/-0.000 χ²/NDF: 7126565.7/29



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.009 χ^2/NDF:17.0/11

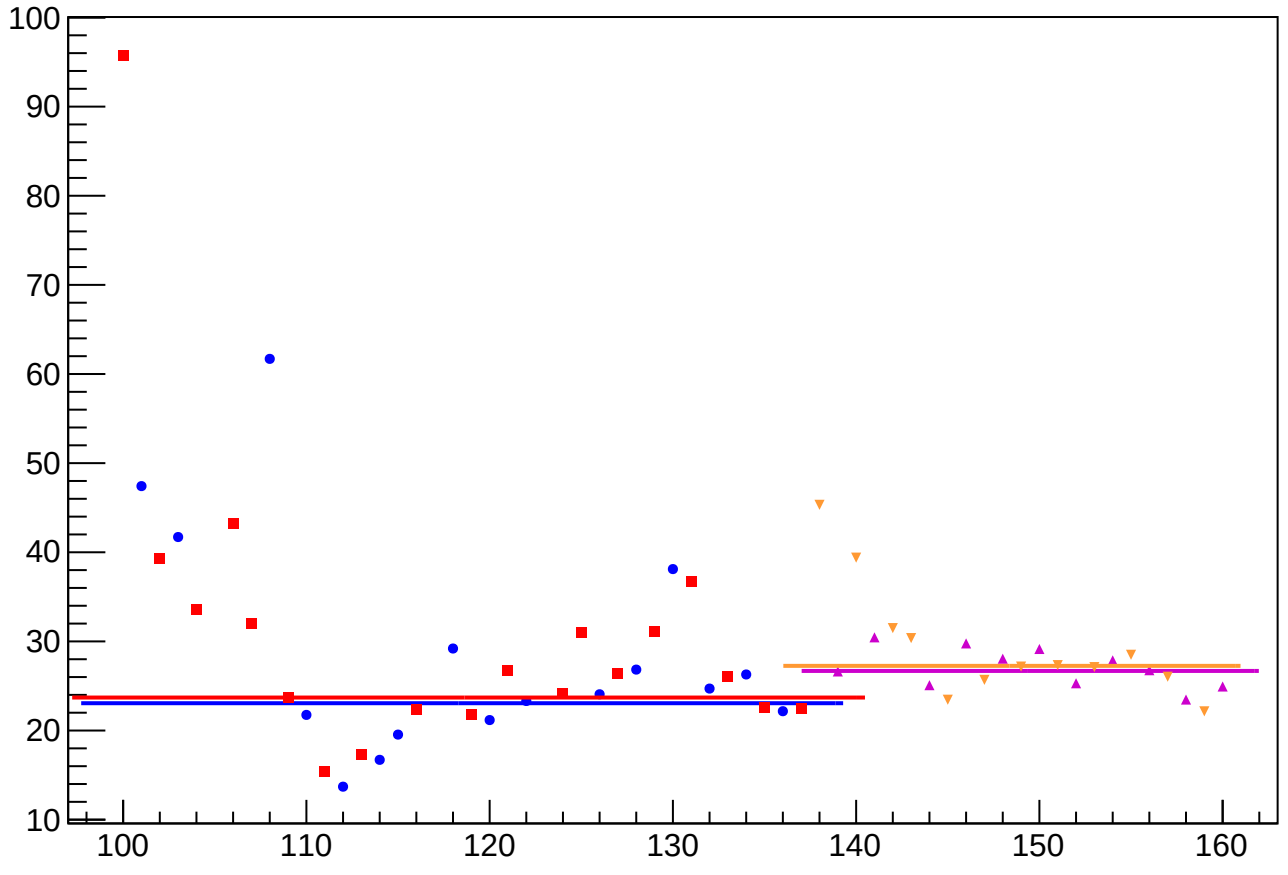
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.009 χ^2/NDF:13.0/10

+ sign -0.011+/-0.007 χ^2/NDF: 36.5/27

All: -0.007+/-0.005 χ^2/NDF: 72.5/57

- 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: 27.257+/-0.006 χ^2/NDF:537443.7/11

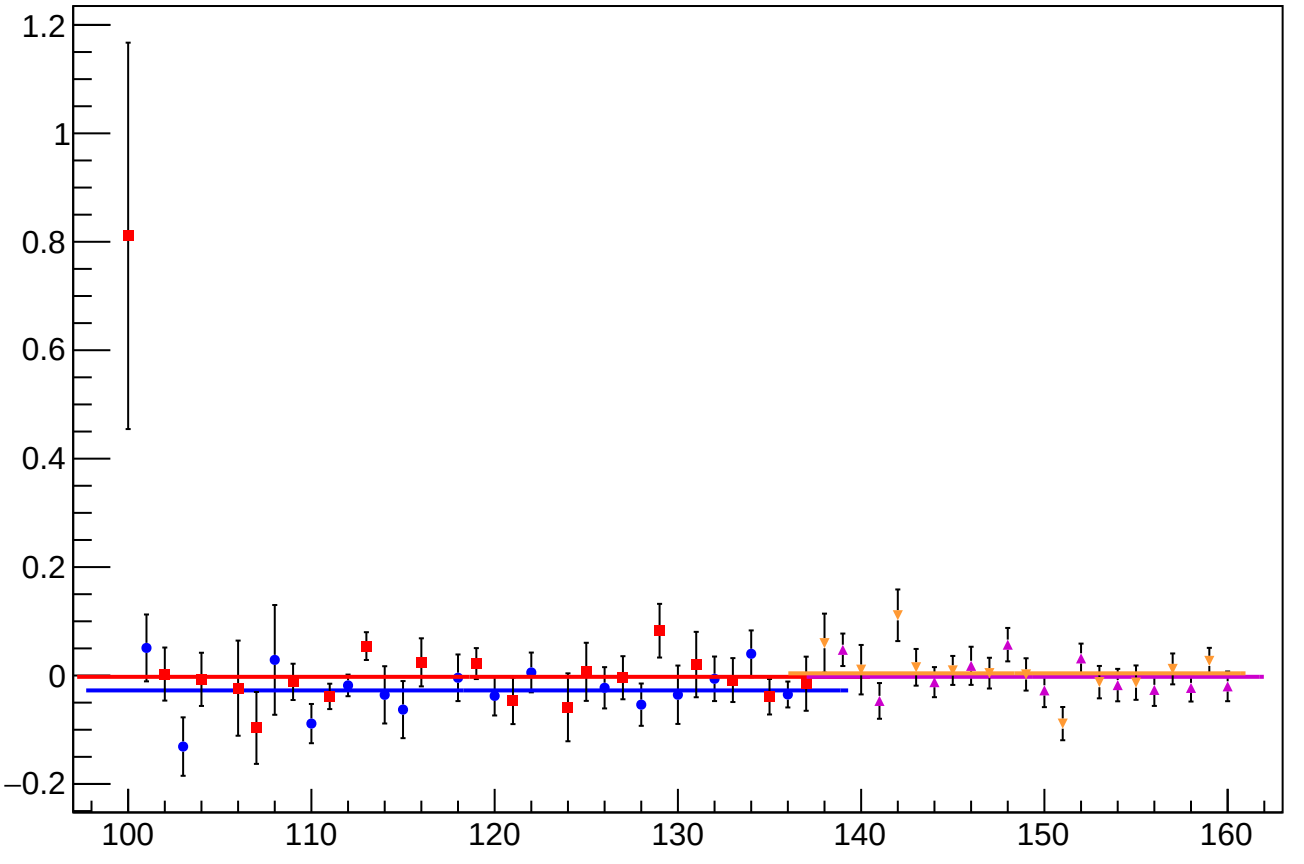
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.687+/-0.006 χ^2/NDF:113952.7/10

+ sign 25.224+/-0.005 χ^2/NDF: 2306988.2/27

All: 25.246+/-0.003 χ^2/NDF: 3617717.6/57

- 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: 0.004+/-0.009 χ^2/NDF:17.0/11

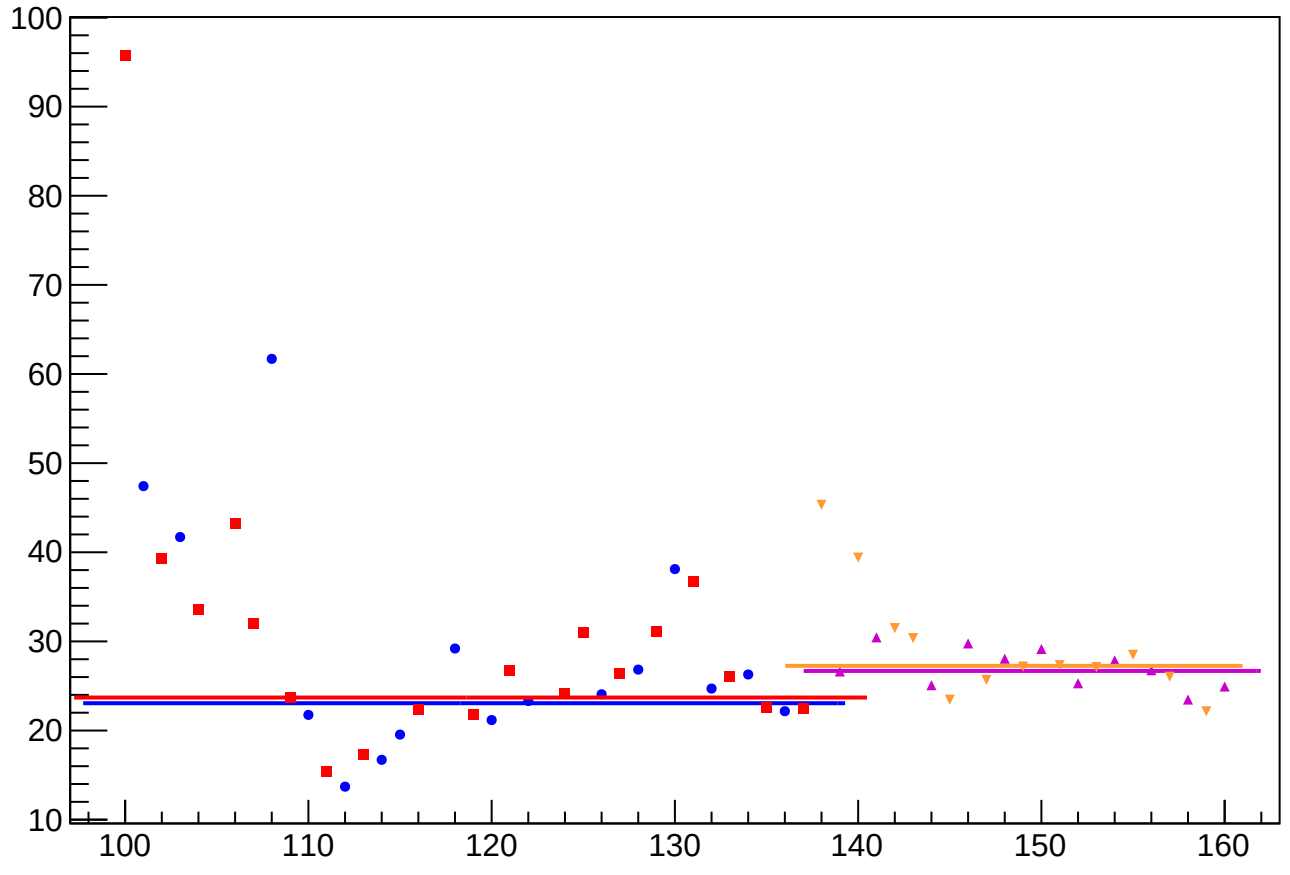
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.009 χ^2/NDF:13.0/10

+ sign -0.011+/-0.007 χ^2/NDF: 36.5/27

All: -0.007+/-0.005 χ^2/NDF: 72.5/57

- 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: 27.257+/-0.006 χ^2/NDF:537443.7/11

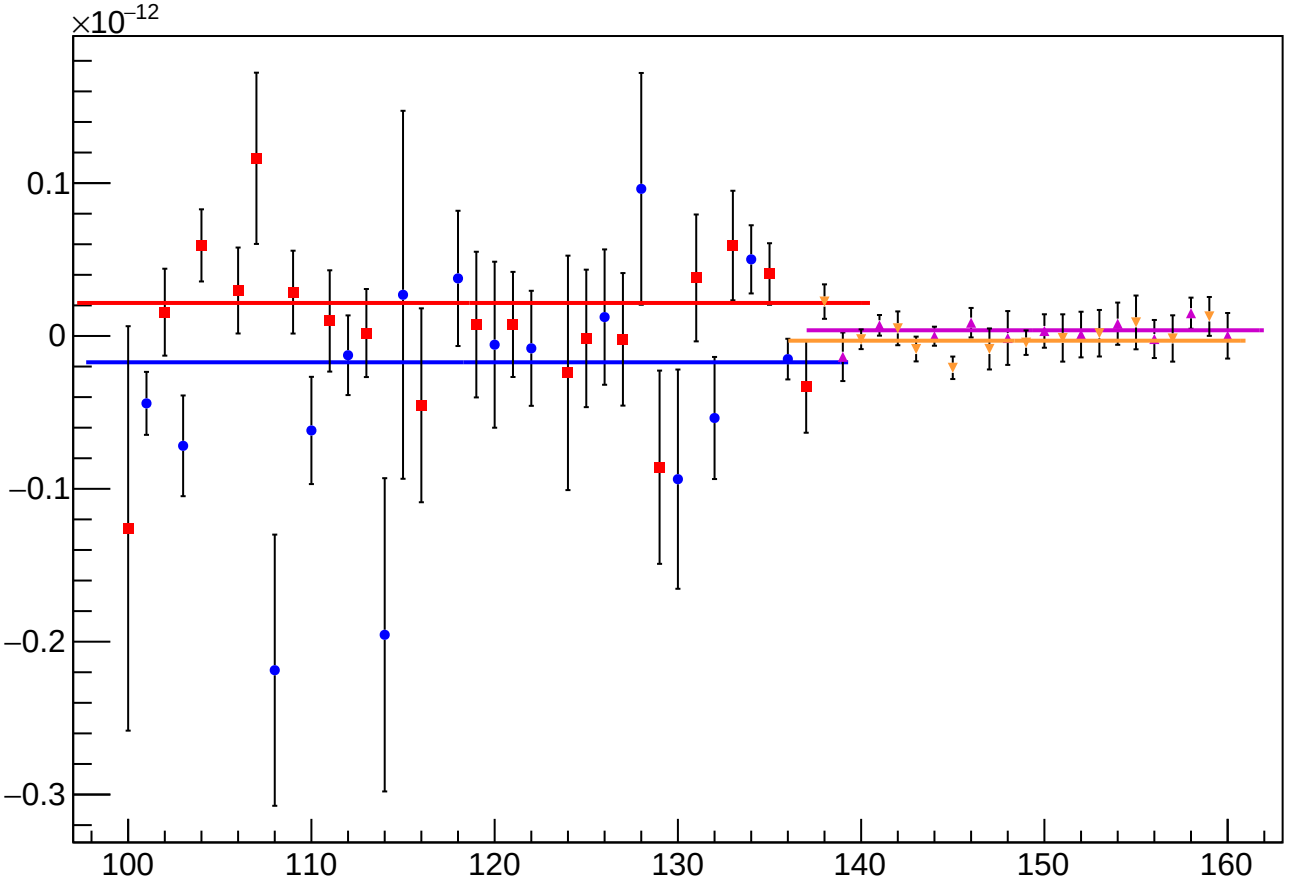
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.687+/-0.006 χ^2/NDF:113952.7/10

+ sign 25.224+/-0.005 χ^2/NDF: 2306988.2/27

All: 25.246+/-0.003 χ^2/NDF: 3617717.6/57

- 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:14.3/11

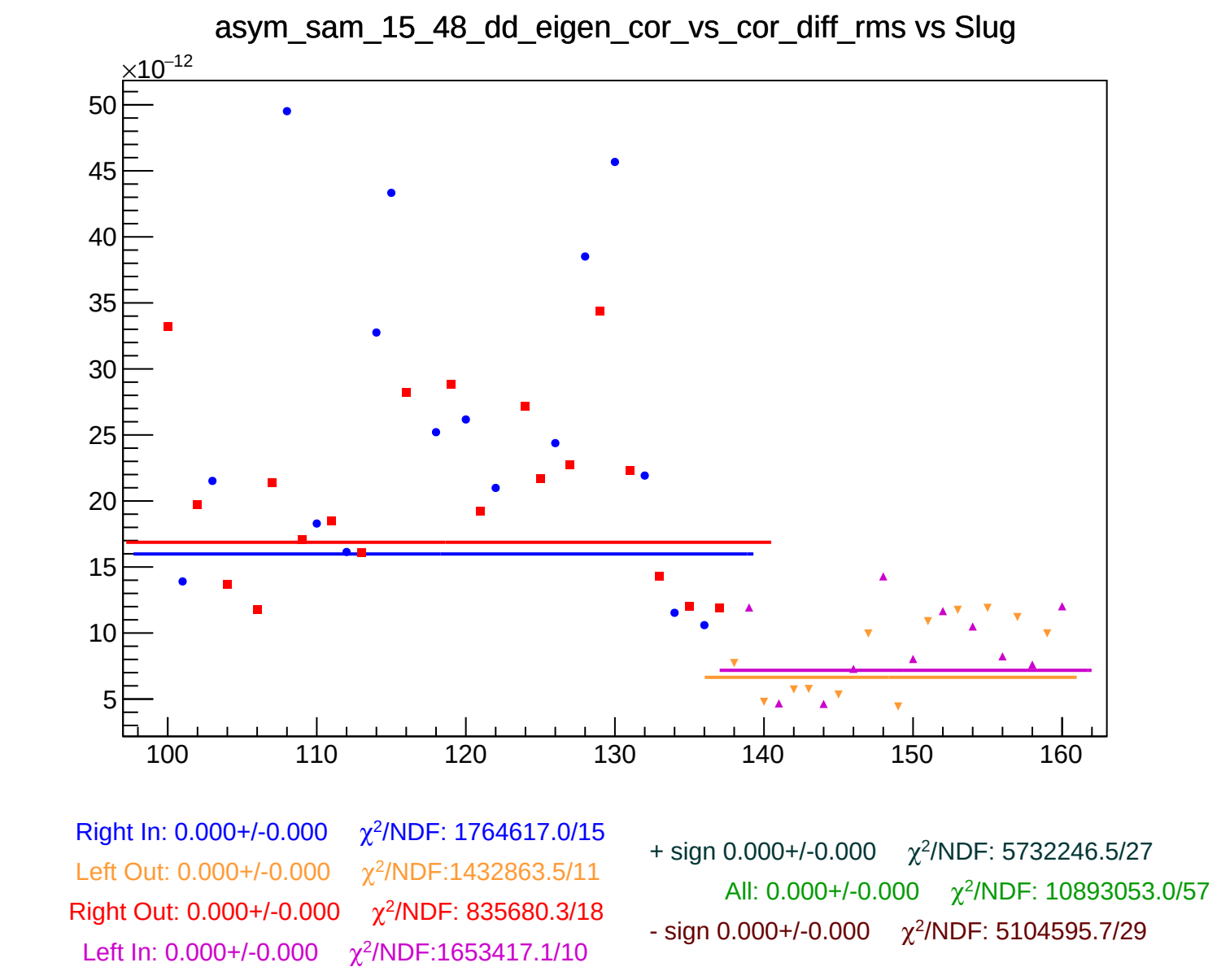
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 47.1/27

All: 0.000+/-0.000 χ^2/NDF: 80.9/57

- sign 0.000+/-0.000 χ^2/NDF: 26.2/29


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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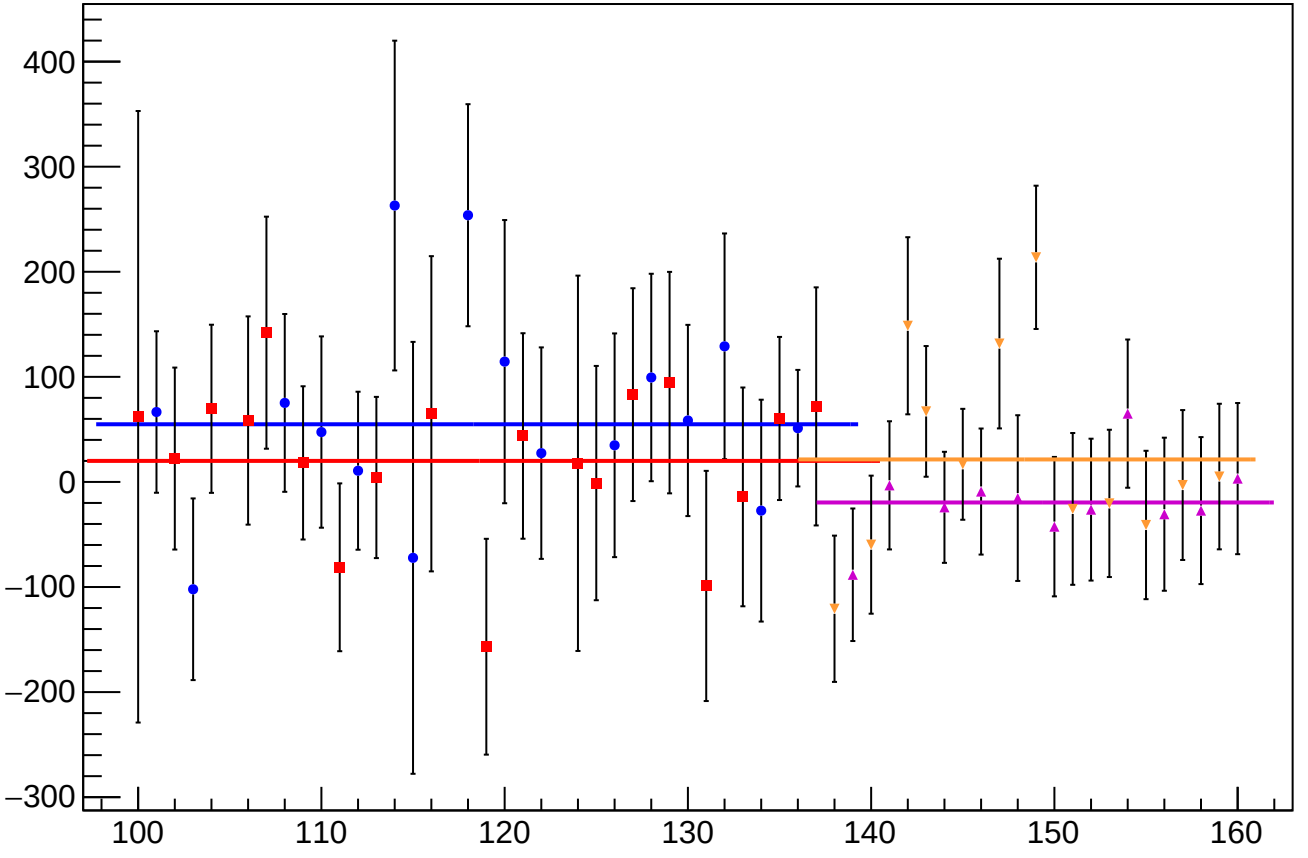
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1432863.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:1653417.1/10
+ sign 0.000+/-0.000 χ²/NDF: 5732246.5/27
All: 0.000+/-0.000 χ²/NDF: 10893053.0/57
- sign 0.000+/-0.000 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: 21.409+/-19.741 χ^2/NDF:20.1/11

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

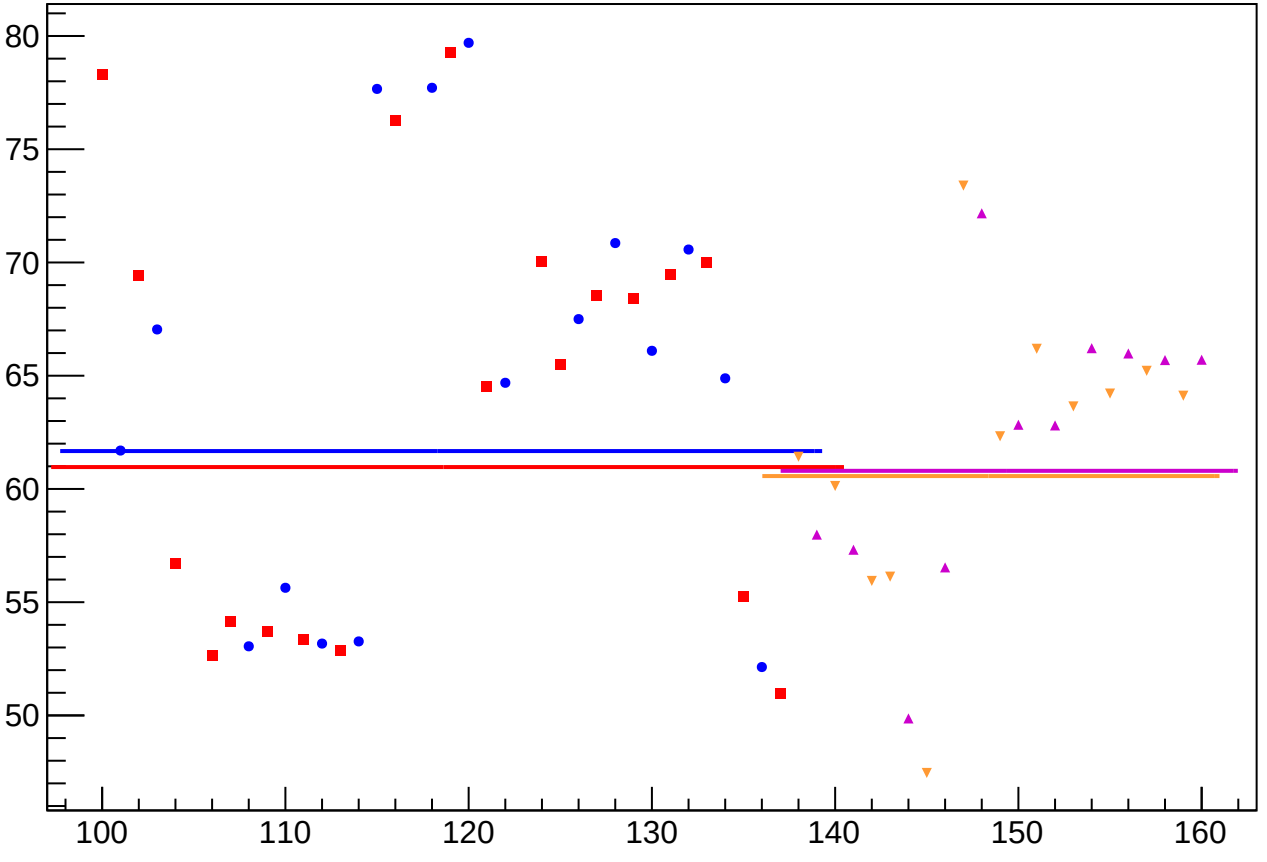
Left In: -19.555+/-19.799 χ^2/NDF:3.0/10

+ sign 35.482+/-15.029 χ^2/NDF: 32.3/27

All: 16.385+/-10.576 χ^2/NDF: 49.5/57

- 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: 60.569+/-0.014 χ^2/NDF:226829.8/11

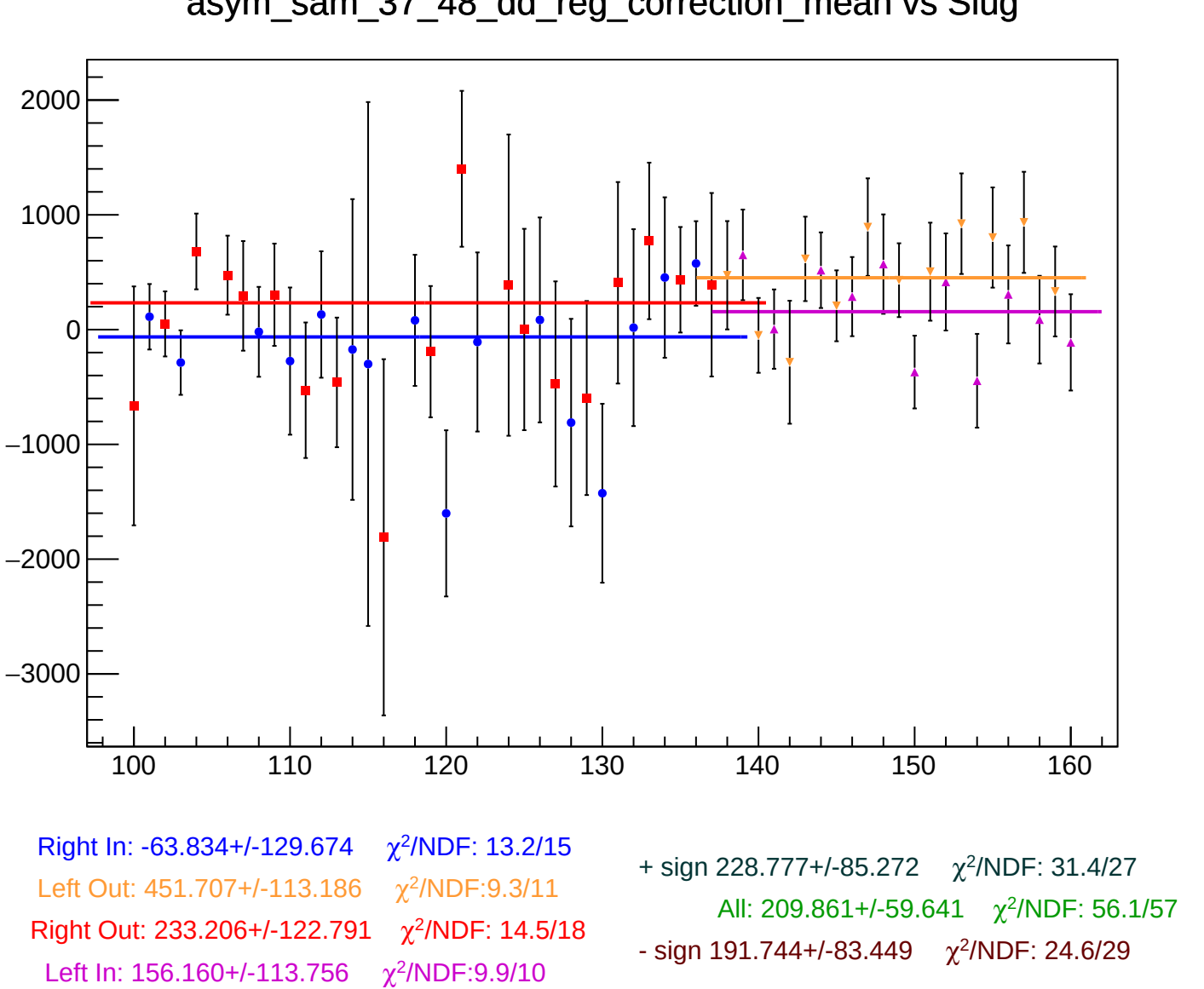
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

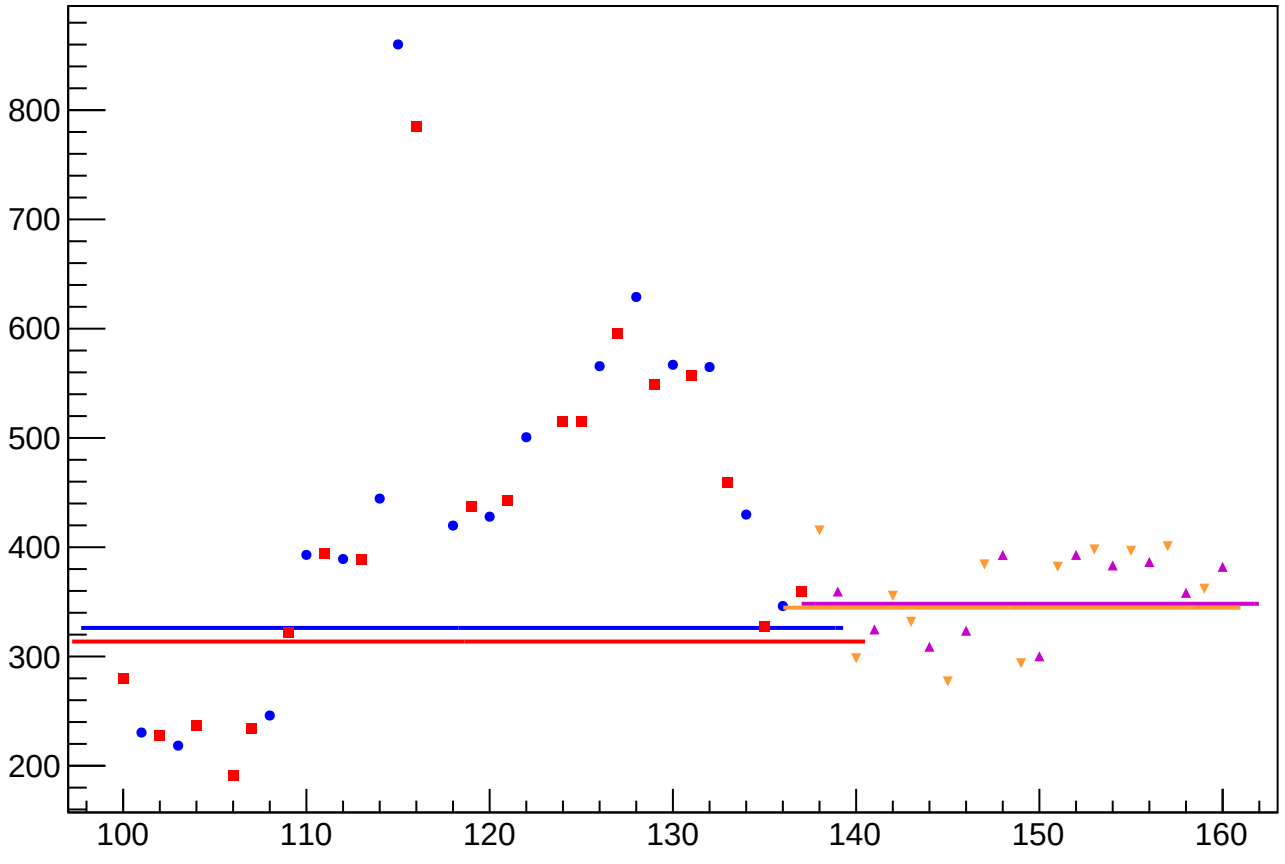
Left In: 60.801+/-0.014 χ^2/NDF:192452.2/10

+ sign 61.033+/-0.011 χ^2/NDF: 496568.1/27

All: 60.952+/-0.007 χ^2/NDF: 973379.6/57

- sign 60.873+/-0.011 χ^2/NDF: 476696.7/29


asym_sam_37_48_dd_reg_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
Right In: -63.834+/-129.674 χ²/NDF: 13.2/15
Left Out: 451.707+/-113.186 χ²/NDF:9.3/11
Right Out: 233.206+/-122.791 χ²/NDF: 14.5/18
Left In: 156.160+/-113.756 χ²/NDF:9.9/10
+ sign 228.777+/-85.272 χ²/NDF: 31.4/27
All: 209.861+/-59.641 χ²/NDF: 56.1/57
- sign 191.744+/-83.449 χ²/NDF: 24.6/29



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 344.690+/-0.080 χ^2/NDF:361043.7/11

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

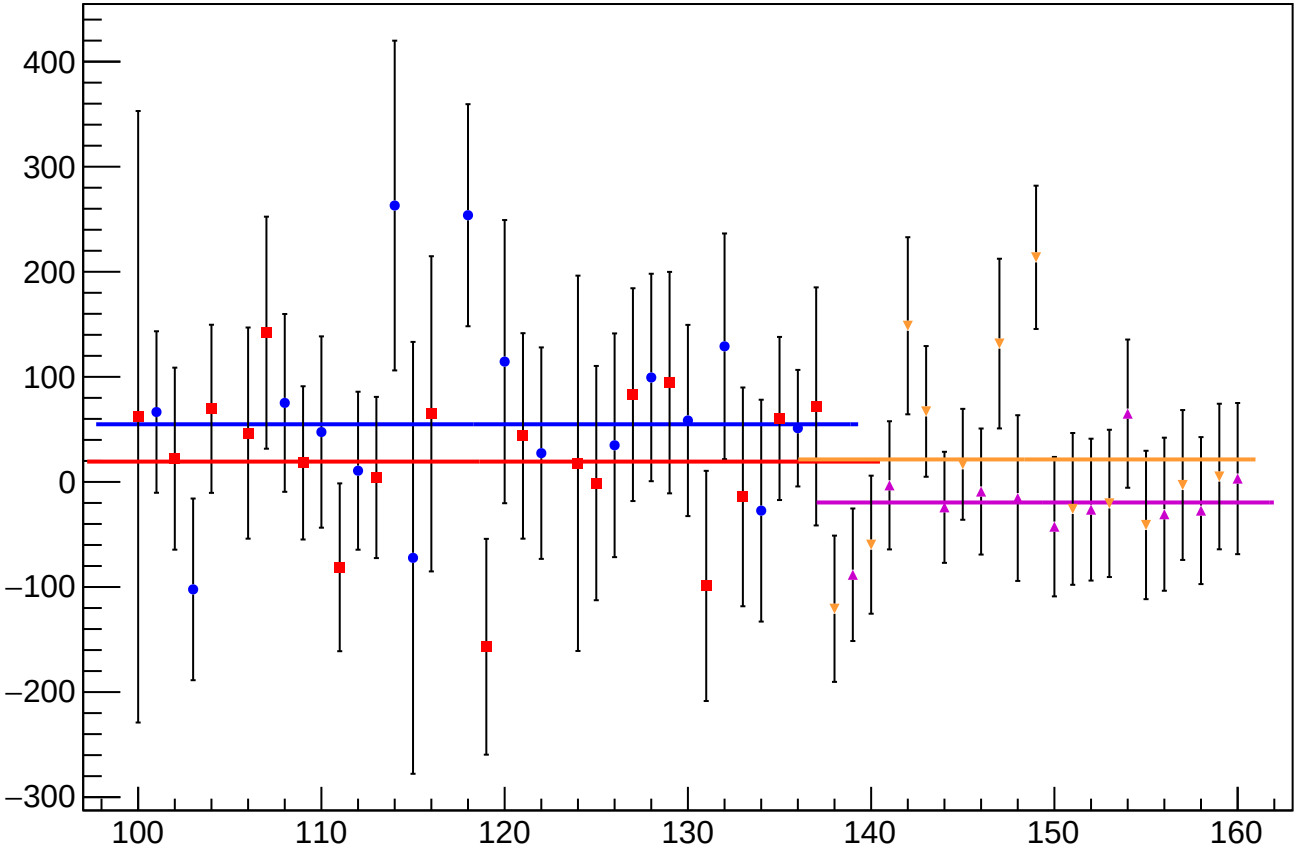
Left In: 348.230+/-0.080 χ^2/NDF:184112.4/10

+ sign 336.672+/-0.060 χ^2/NDF: 2118249.0/27

All: 334.423+/-0.042 χ^2/NDF: 4177680.4/57

- 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: 21.409+/-19.741 χ^2/NDF:20.1/11

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

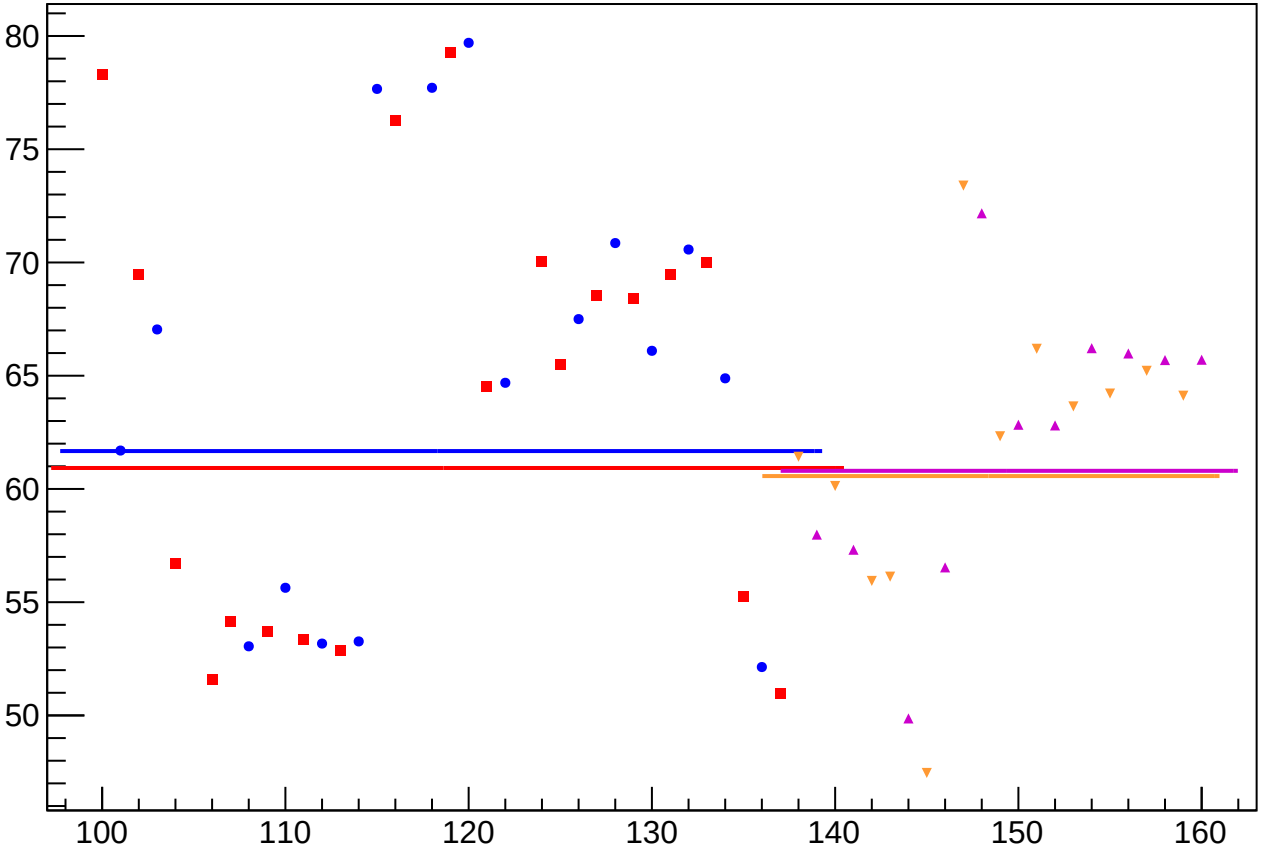
Left In: -19.553+/-19.799 χ^2/NDF:3.0/10

+ sign 35.480+/-15.029 χ^2/NDF: 32.3/27

All: 16.237+/-10.577 χ^2/NDF: 49.4/57

- 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: 60.569+/-0.014 χ^2/NDF:226829.8/11

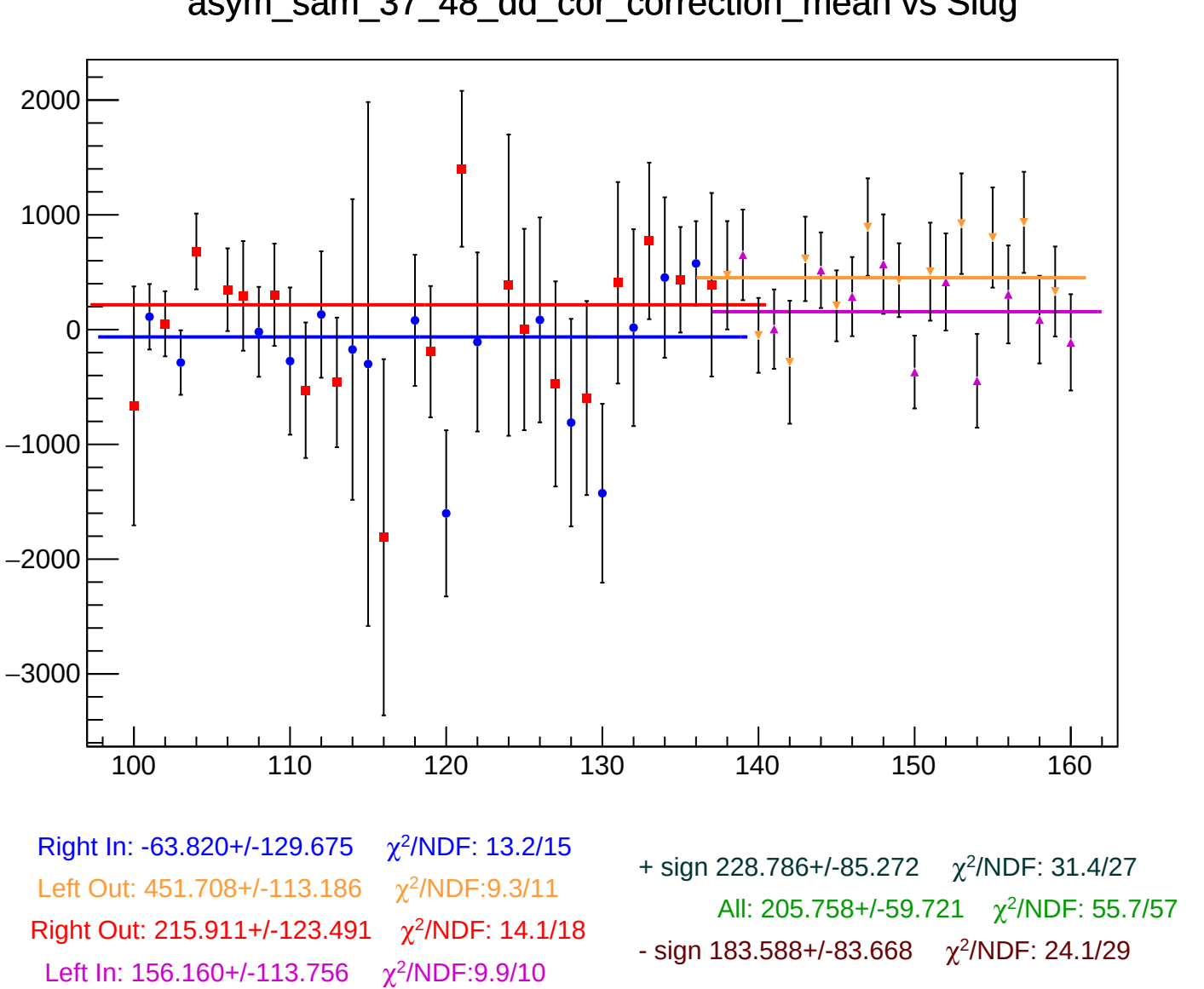
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 60.801+/-0.014 χ^2/NDF:192452.2/10

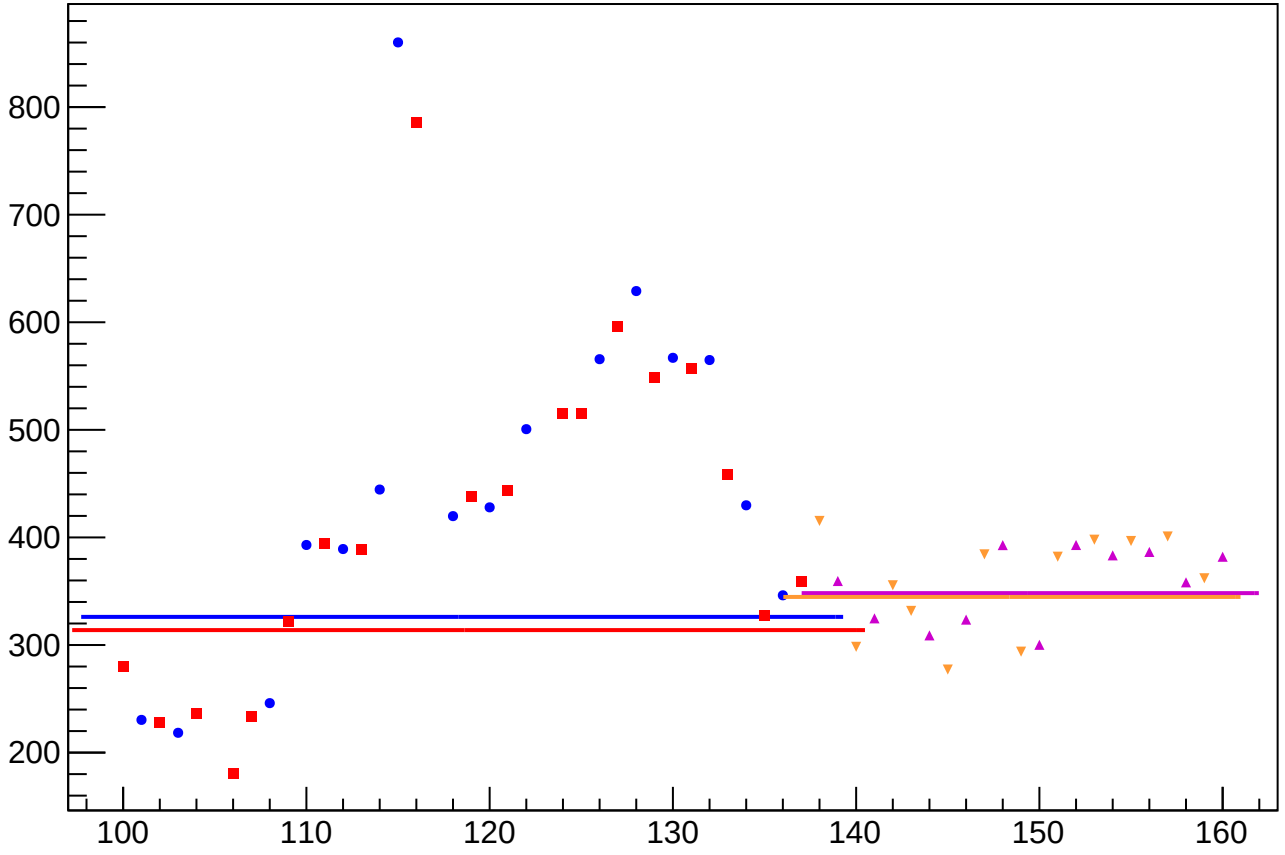
+ sign 61.033+/-0.011 χ^2/NDF: 496568.3/27

All: 60.943+/-0.007 χ^2/NDF: 976776.6/57

- sign 60.855+/-0.011 χ^2/NDF: 480066.6/29


asym_sam_37_48_dd_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 451.708+/-113.186 χ²/NDF:9.3/11
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 156.160+/-113.756 χ²/NDF:9.9/10
+ sign 228.786+/-85.272 χ²/NDF: 31.4/27
All: 205.758+/-59.721 χ²/NDF: 55.7/57
- sign 183.588+/-83.668 χ²/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: 344.690+/-0.080 χ^2/NDF:361044.0/11

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

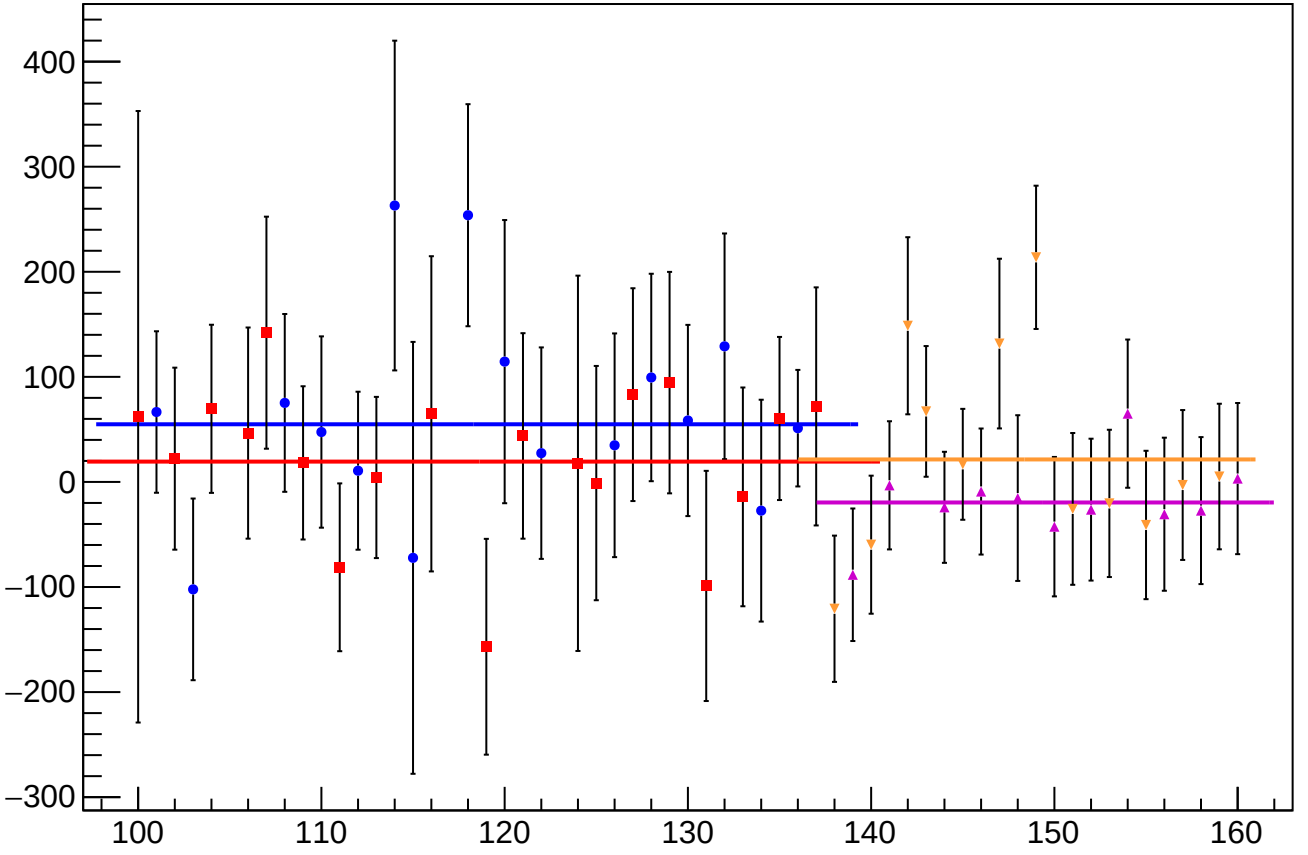
Left In: 348.230+/-0.080 χ^2/NDF:184109.7/10

+ sign 336.673+/-0.060 χ^2/NDF: 2118181.2/27

All: 334.523+/-0.042 χ^2/NDF: 4194369.5/57

- sign 332.453+/-0.059 χ^2/NDF: 2073693.3/29

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 21.409+/-19.741 χ^2/NDF:20.1/11

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

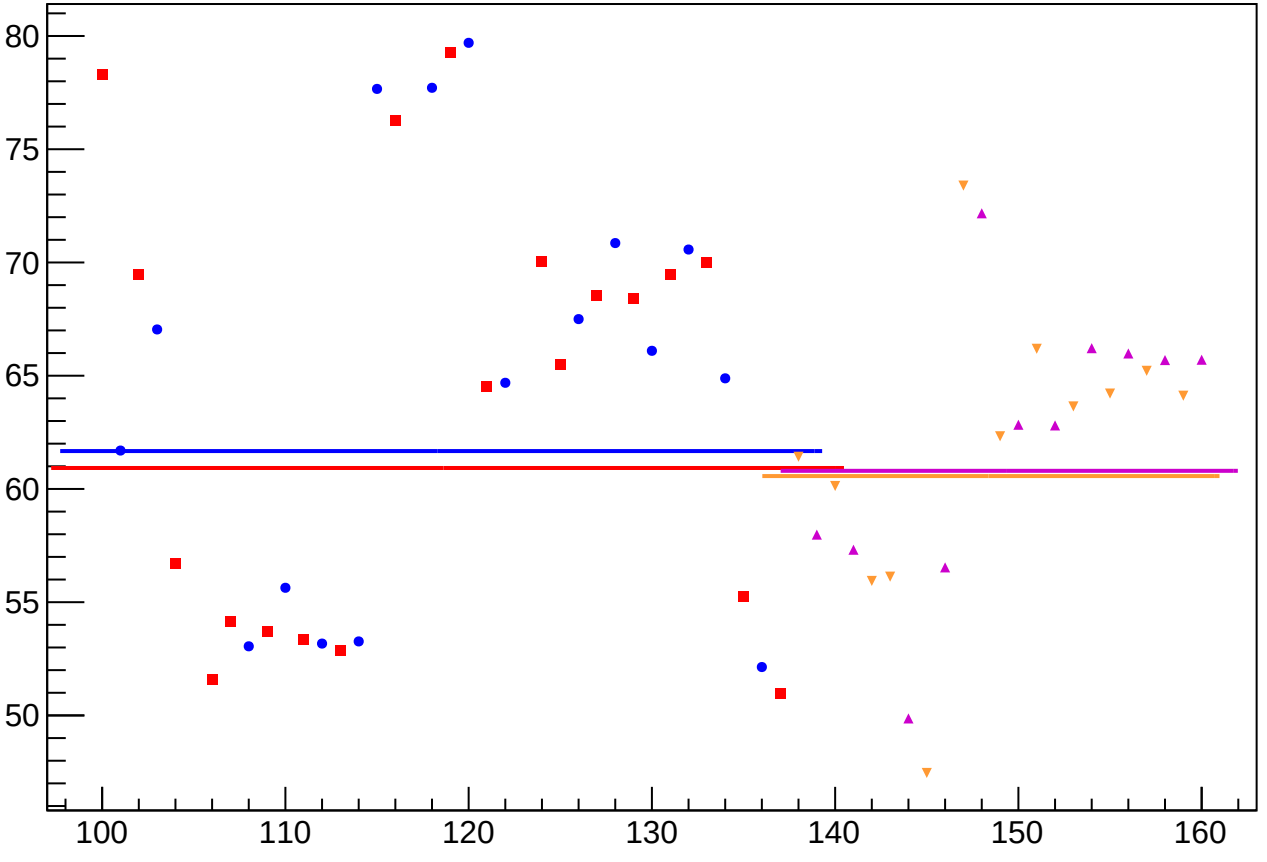
Left In: -19.553+/-19.799 χ^2/NDF:3.0/10

+ sign 35.480+/-15.029 χ^2/NDF: 32.3/27

All: 16.237+/-10.577 χ^2/NDF: 49.4/57

- sign -2.649+/-14.889 χ^2/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: 60.569+/-0.014 χ^2/NDF:226829.8/11

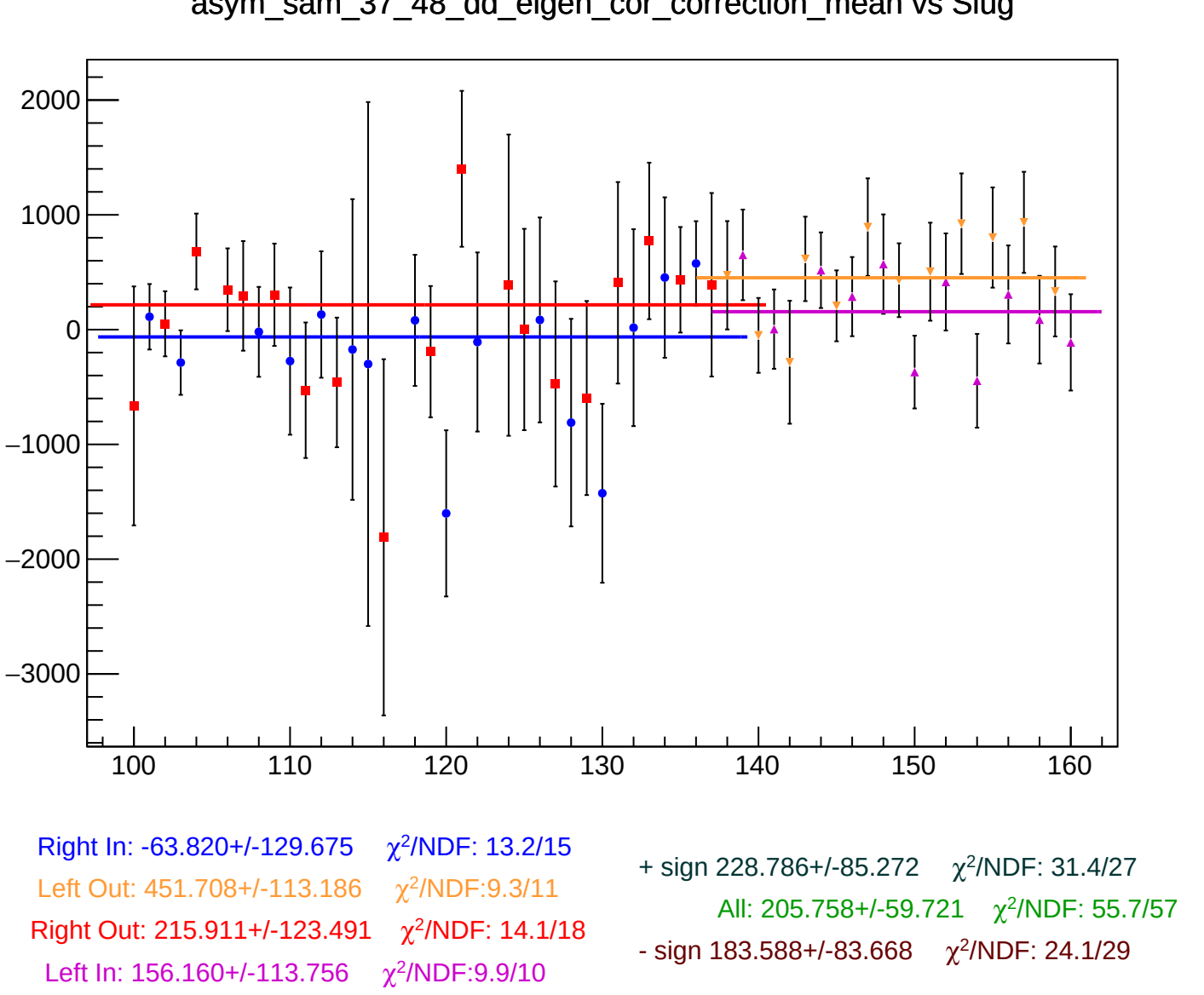
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 60.801+/-0.014 χ^2/NDF:192452.2/10

+ sign 61.033+/-0.011 χ^2/NDF: 496568.3/27

All: 60.943+/-0.007 χ^2/NDF: 976776.6/57

- sign 60.855+/-0.011 χ^2/NDF: 480066.6/29


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug
2000
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−3000
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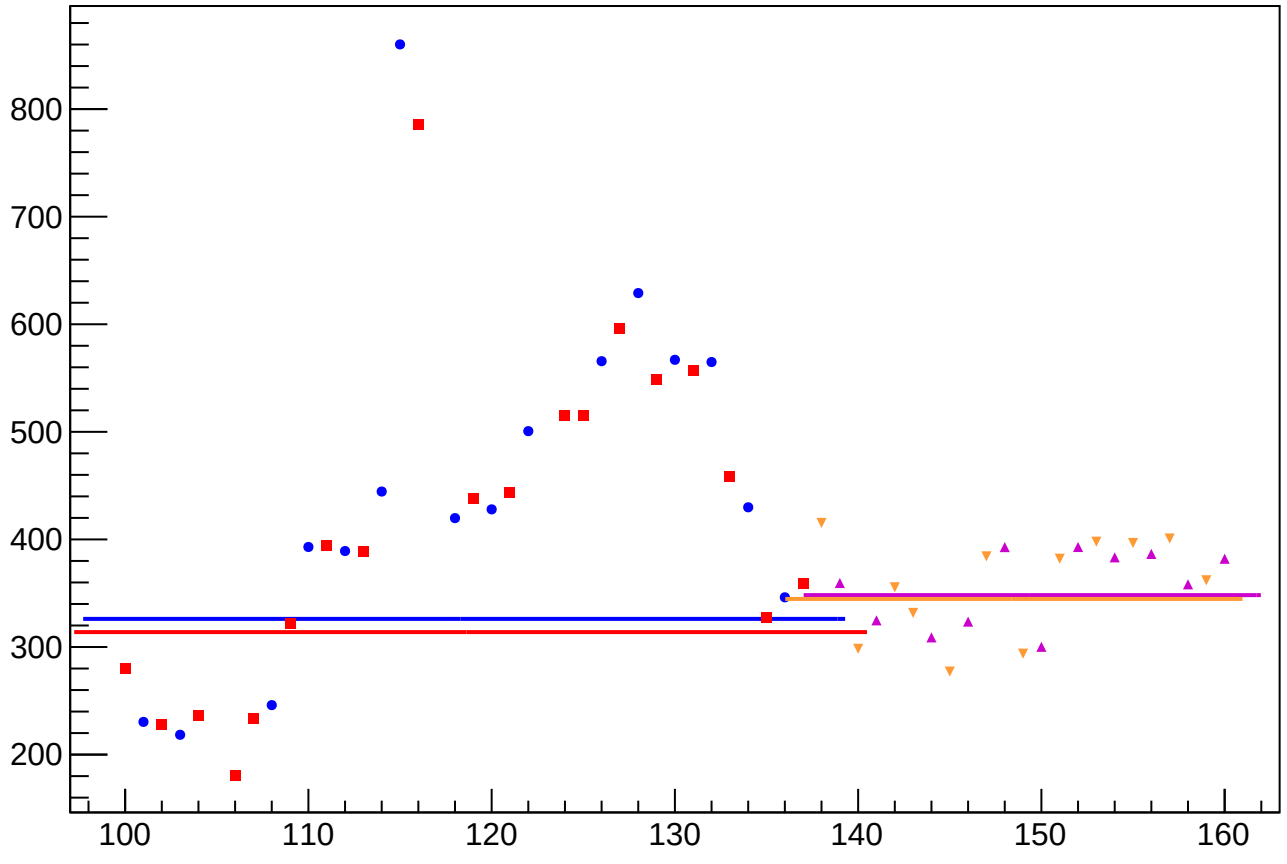
140
150
160
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 451.708+/-113.186 χ²/NDF:9.3/11
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 156.160+/-113.756 χ²/NDF:9.9/10
+ sign 228.786+/-85.272 χ²/NDF: 31.4/27
All: 205.758+/-59.721 χ²/NDF: 55.7/57
- sign 183.588+/-83.668 χ²/NDF: 24.1/29



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 344.690+/-0.080 χ^2/NDF:361044.0/11

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

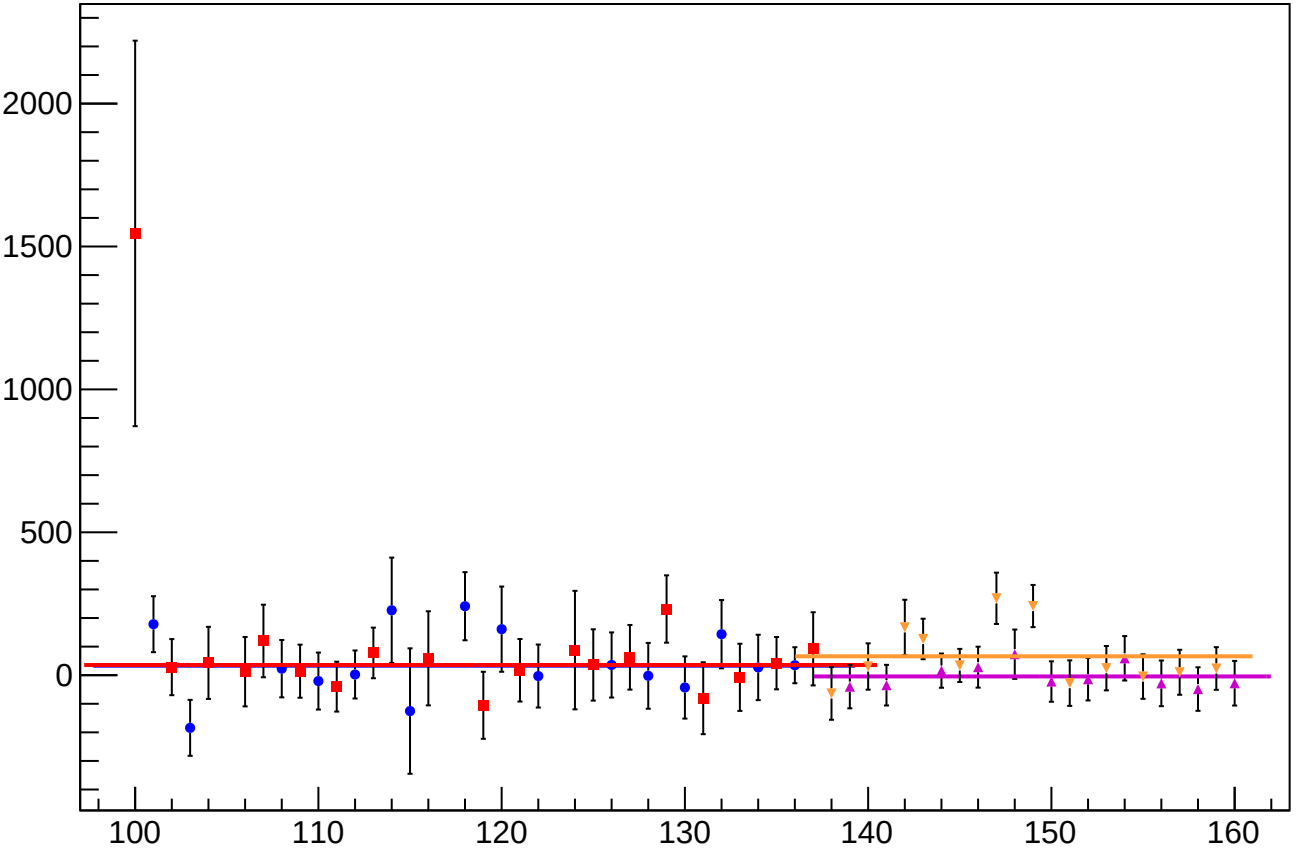
Left In: 348.230+/-0.080 χ^2/NDF:184109.7/10

+ sign 336.673+/-0.060 χ^2/NDF: 2118181.2/27

All: 334.523+/-0.042 χ^2/NDF: 4194369.5/57

- 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: 66.141+/-22.298 χ^2/NDF:18.4/11

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

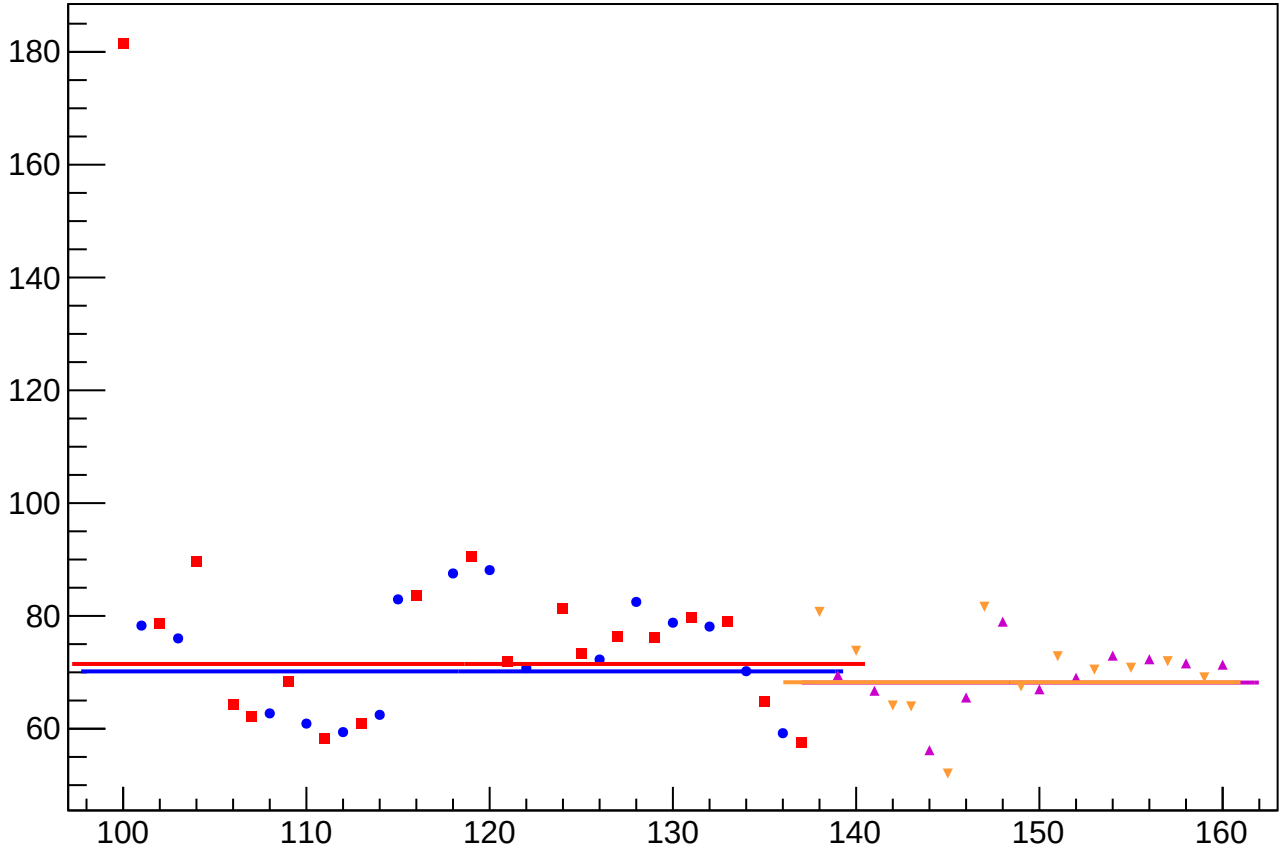
Left In: -4.314+/-22.254 χ^2/NDF:2.8/10

+ sign 52.517+/-17.039 χ^2/NDF: 33.9/27

All: 32.352+/-12.053 χ^2/NDF: 52.9/57

- 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: 68.240+/-0.016 χ^2/NDF:273350.1/11

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

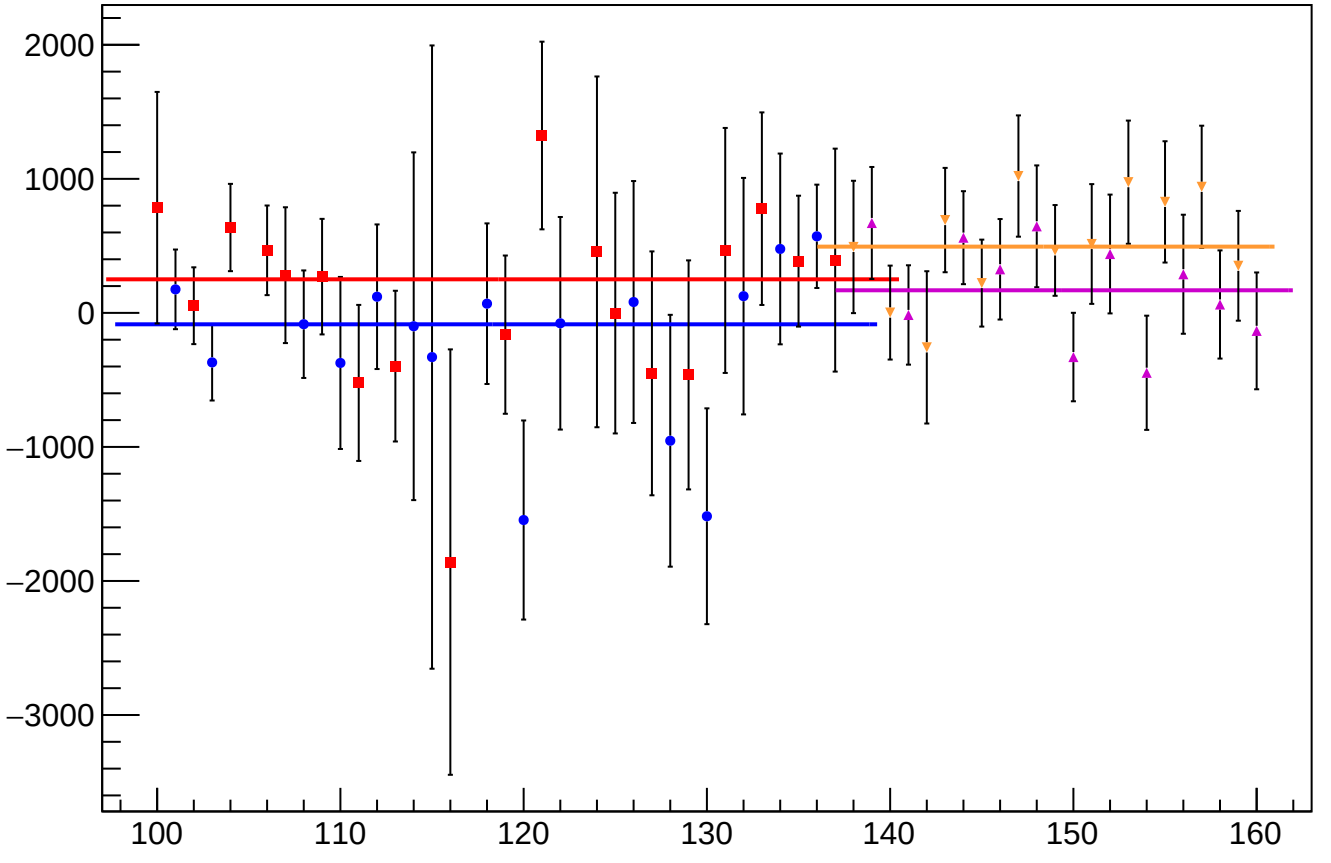
Left In: 68.185+/-0.016 χ^2/NDF:136641.8/10

+ sign 69.042+/-0.012 χ^2/NDF: 548816.0/27

All: 69.294+/-0.009 χ^2/NDF: 1030185.4/57

- 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: 494.305+/-119.132 χ^2/NDF:8.8/11

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

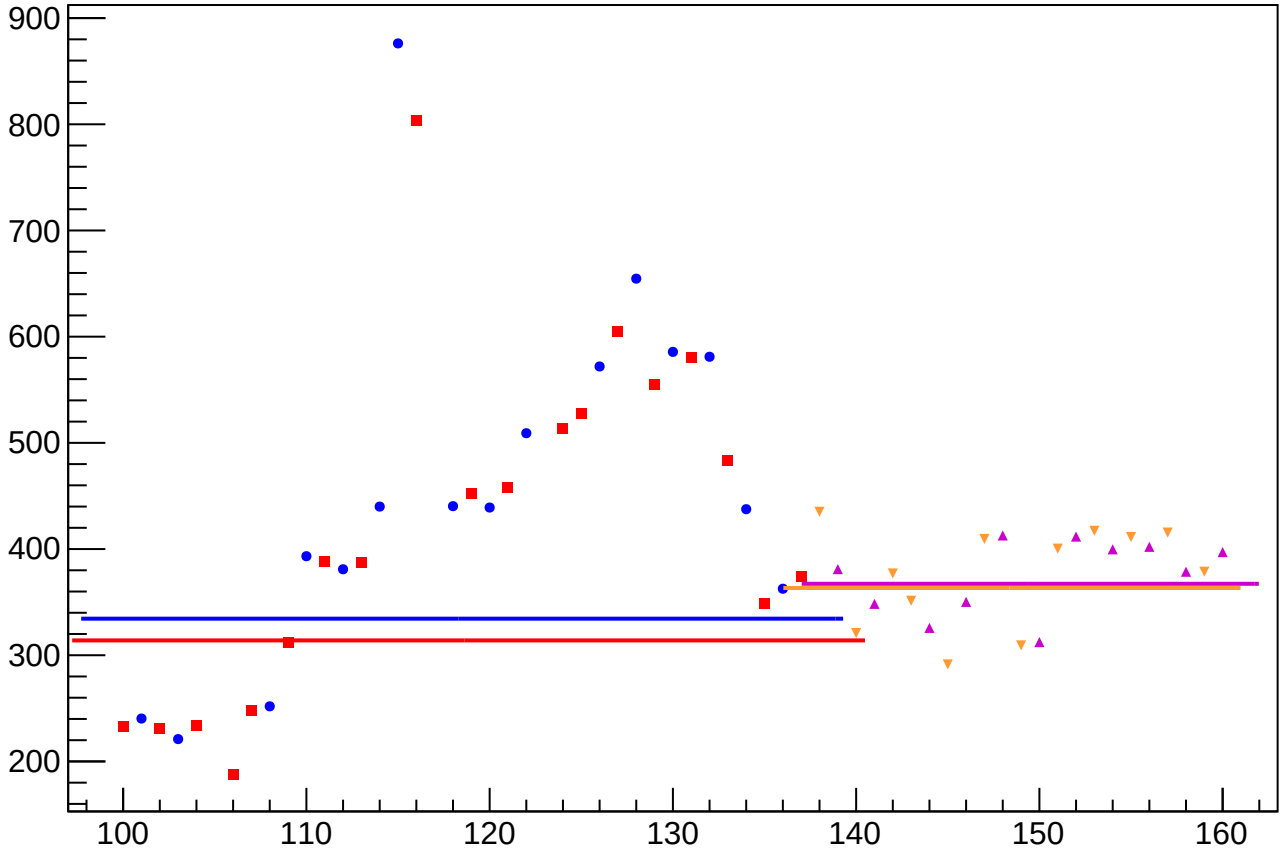
Left In: 168.613+/-119.924 χ^2/NDF:9.6/10

+ sign 236.072+/-88.702 χ^2/NDF: 33.0/27

All: 221.798+/-61.733 χ^2/NDF: 55.4/57

- 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: 363.309+/-0.084 χ^2/NDF:337740.8/11

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

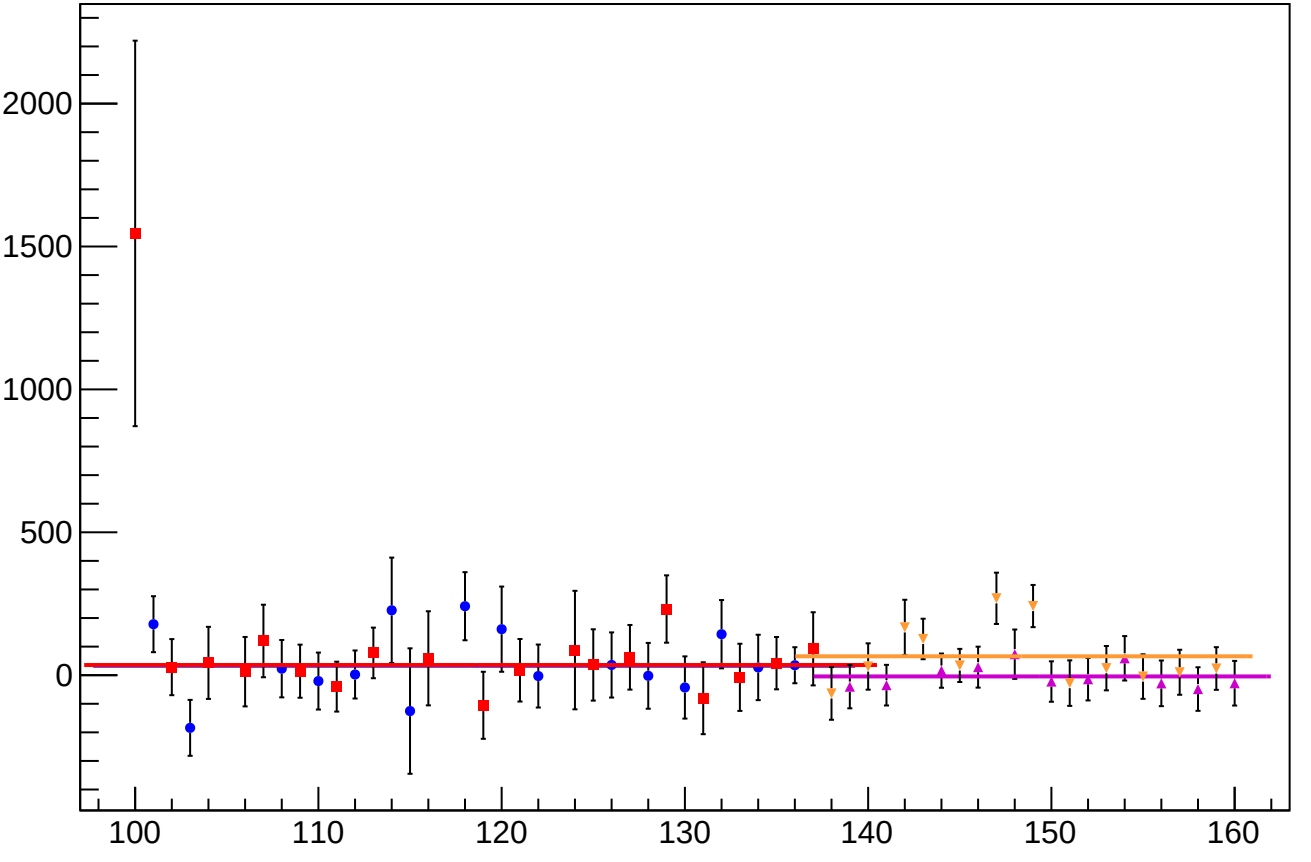
Left In: 367.296+/-0.085 χ^2/NDF:170595.9/10

+ sign 350.440+/-0.063 χ^2/NDF: 2120719.3/27

All: 345.765+/-0.044 χ^2/NDF: 4398923.5/57

- 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: 66.141+/-22.298 χ^2/NDF:18.4/11

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

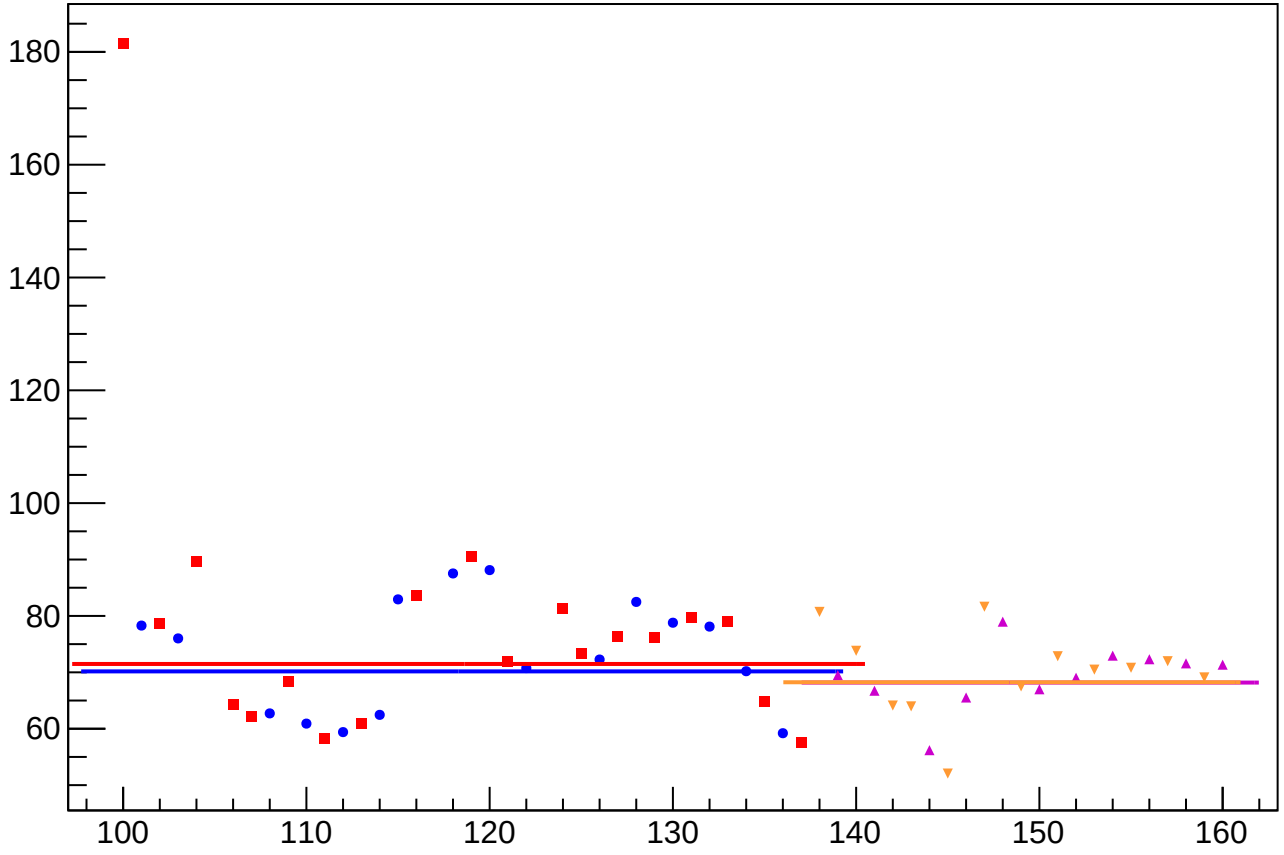
Left In: -4.314+/-22.254 χ^2/NDF:2.8/10

+ sign 52.517+/-17.039 χ^2/NDF: 33.9/27

All: 32.352+/-12.053 χ^2/NDF: 52.9/57

- 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: 68.240+/-0.016 χ^2/NDF:273354.7/11

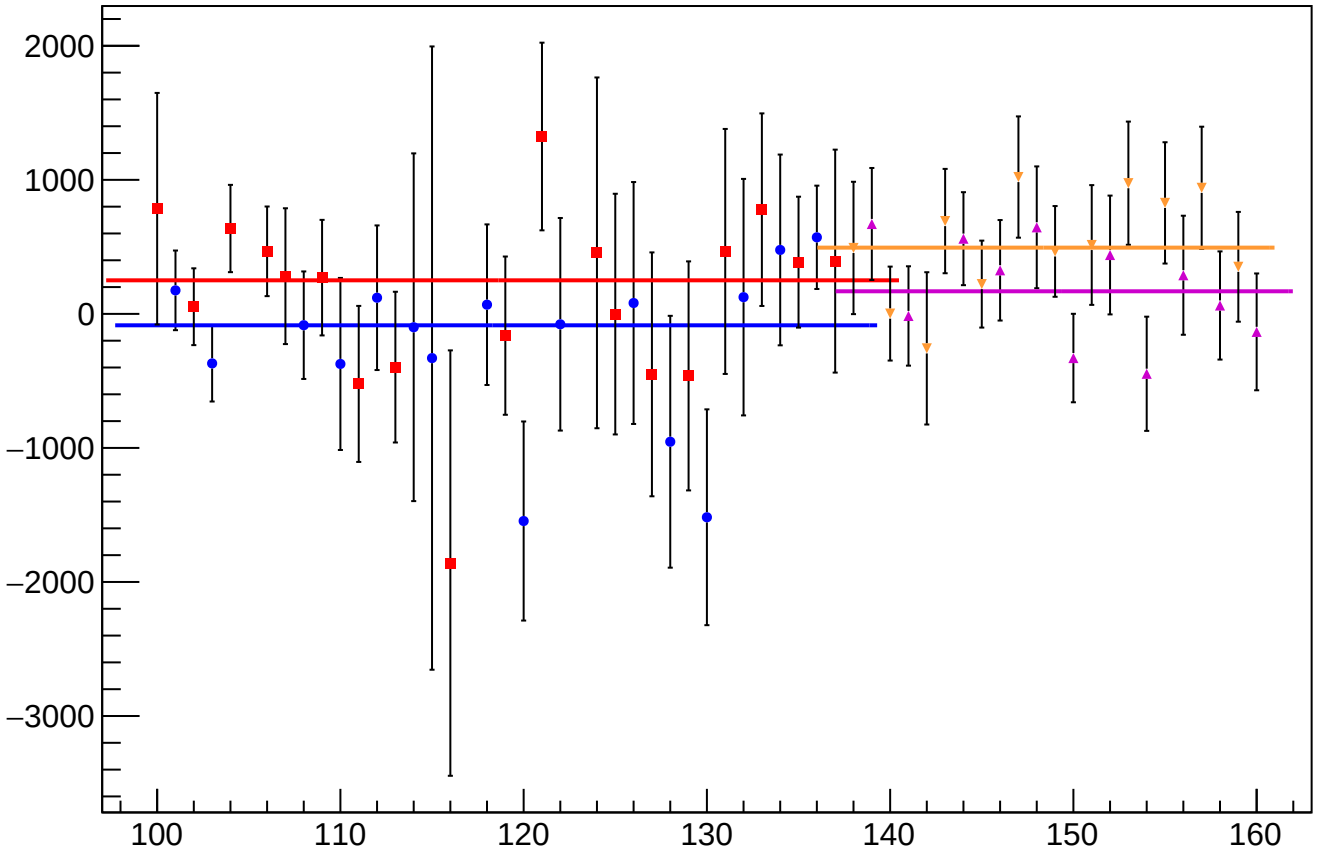
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 68.185+/-0.016 χ^2/NDF:136643.0/10

+ sign 69.042+/-0.012 χ^2/NDF: 548824.5/27

All: 69.294+/-0.009 χ^2/NDF: 1030202.6/57

- 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: 494.304+/-119.132 χ^2/NDF:8.8/11

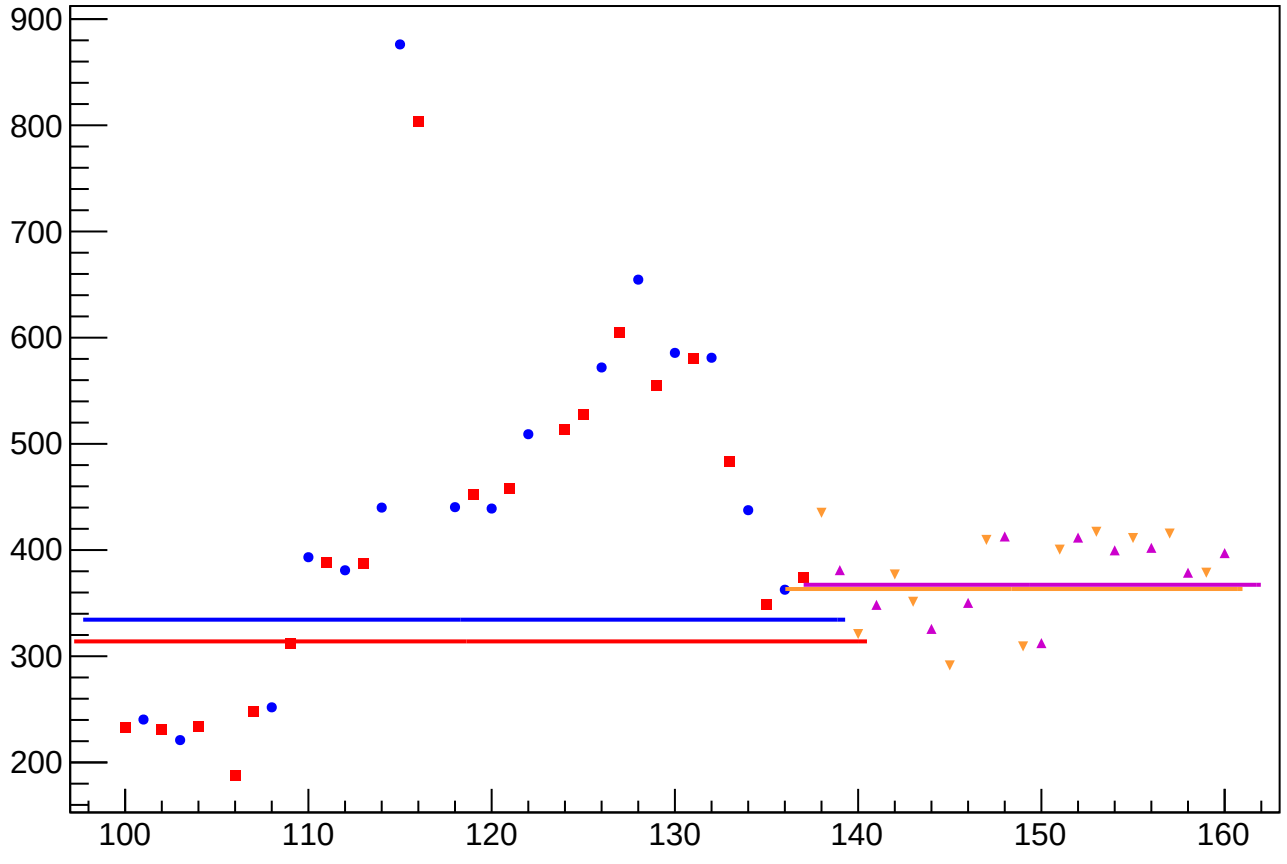
Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 168.613+/-119.924 χ^2/NDF:9.6/10

+ sign 236.071+/-88.702 χ^2/NDF: 33.0/27

All: 221.798+/-61.733 χ^2/NDF: 55.4/57

- sign 208.390+/-85.968 χ^2/NDF: 22.3/29



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 363.309+/-0.084 χ^2/NDF:337744.4/11

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

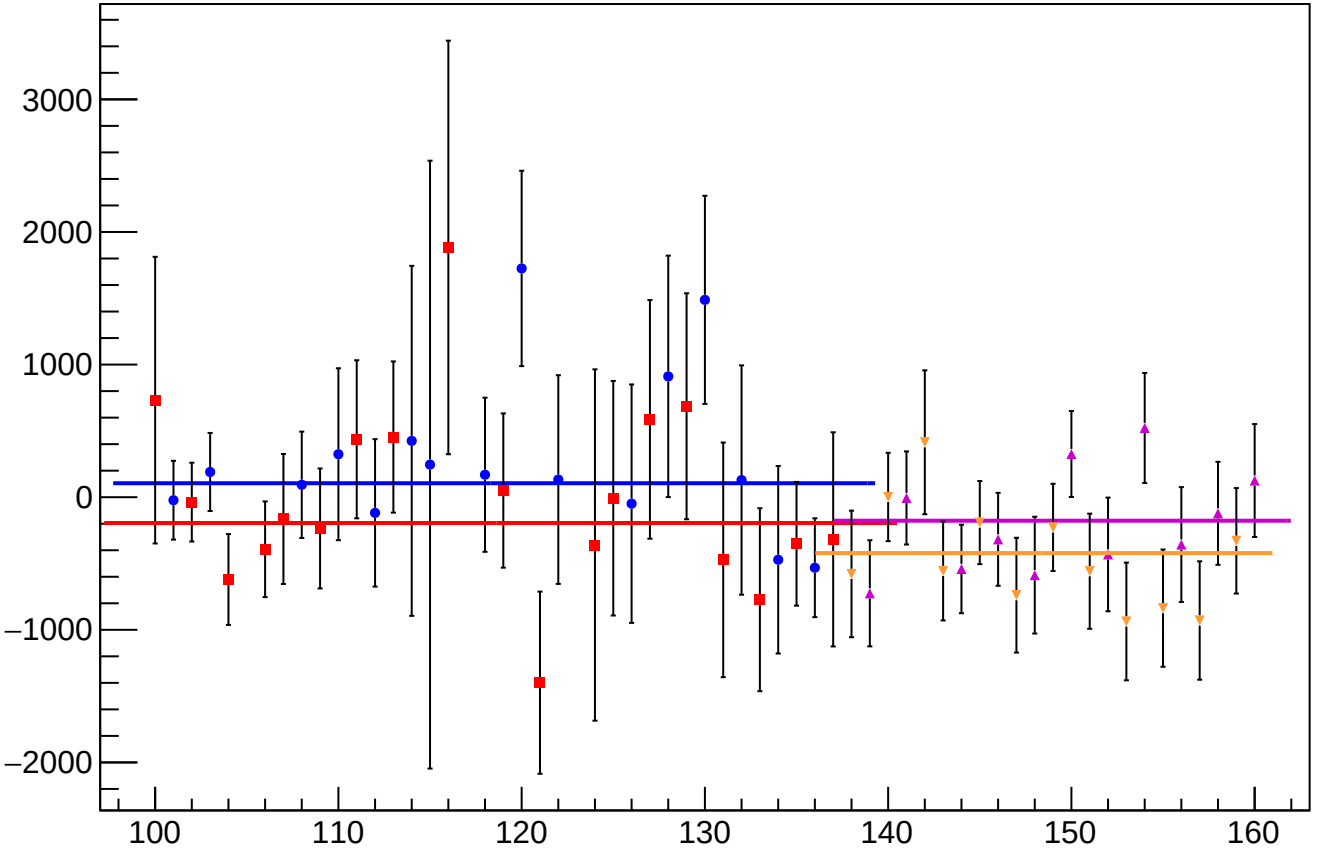
Left In: 367.296+/-0.085 χ^2/NDF:170595.4/10

+ sign 350.440+/-0.063 χ^2/NDF: 2120720.6/27

All: 345.765+/-0.044 χ^2/NDF: 4398922.9/57

- 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: -421.307+/-115.017 χ^2/NDF:9.3/11

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

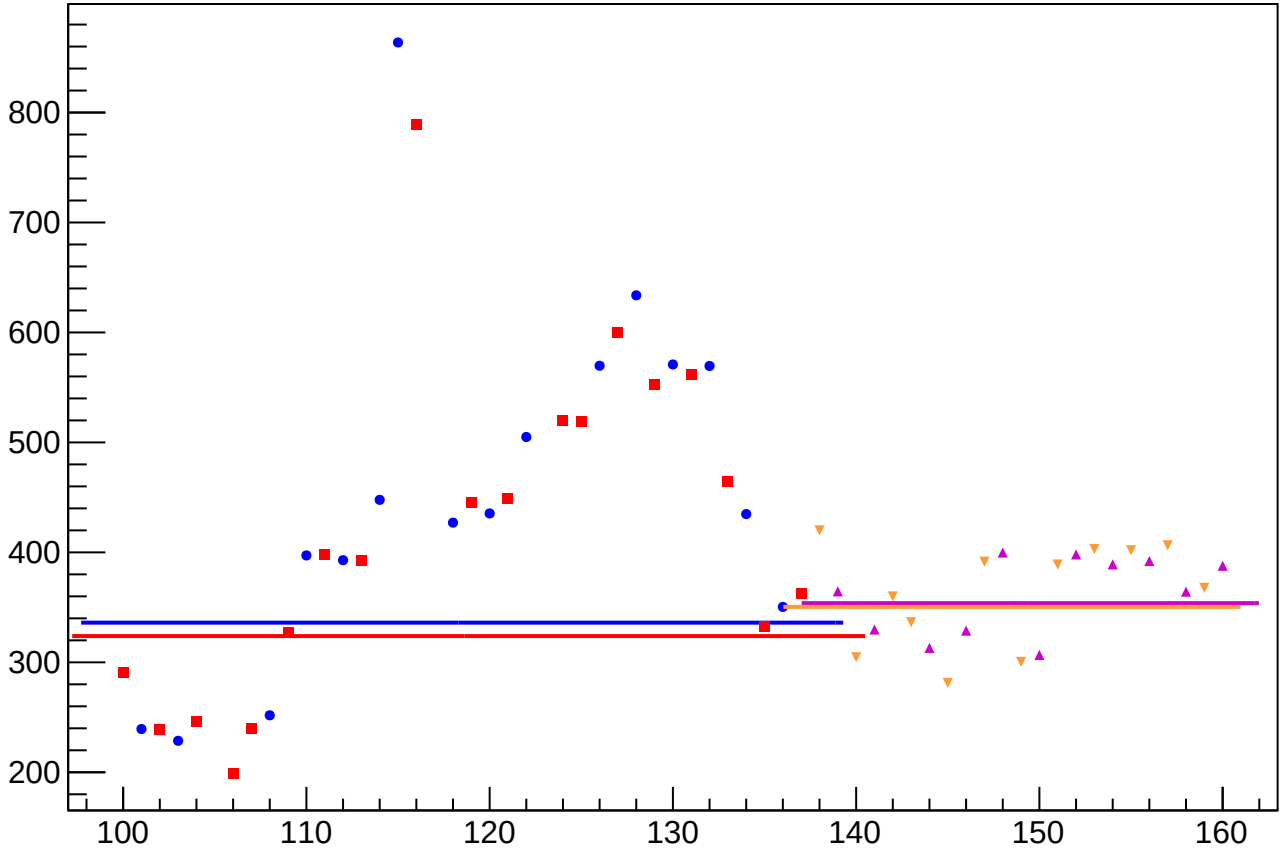
Left In: -177.242+/-115.555 χ^2/NDF:10.6/10

\+ sign -196.038+/-87.010 χ^2/NDF: 31.3/27

All: -190.511+/-60.884 χ^2/NDF: 55.0/57

\- 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: 350.435+/-0.081 χ^2/NDF:351652.1/11

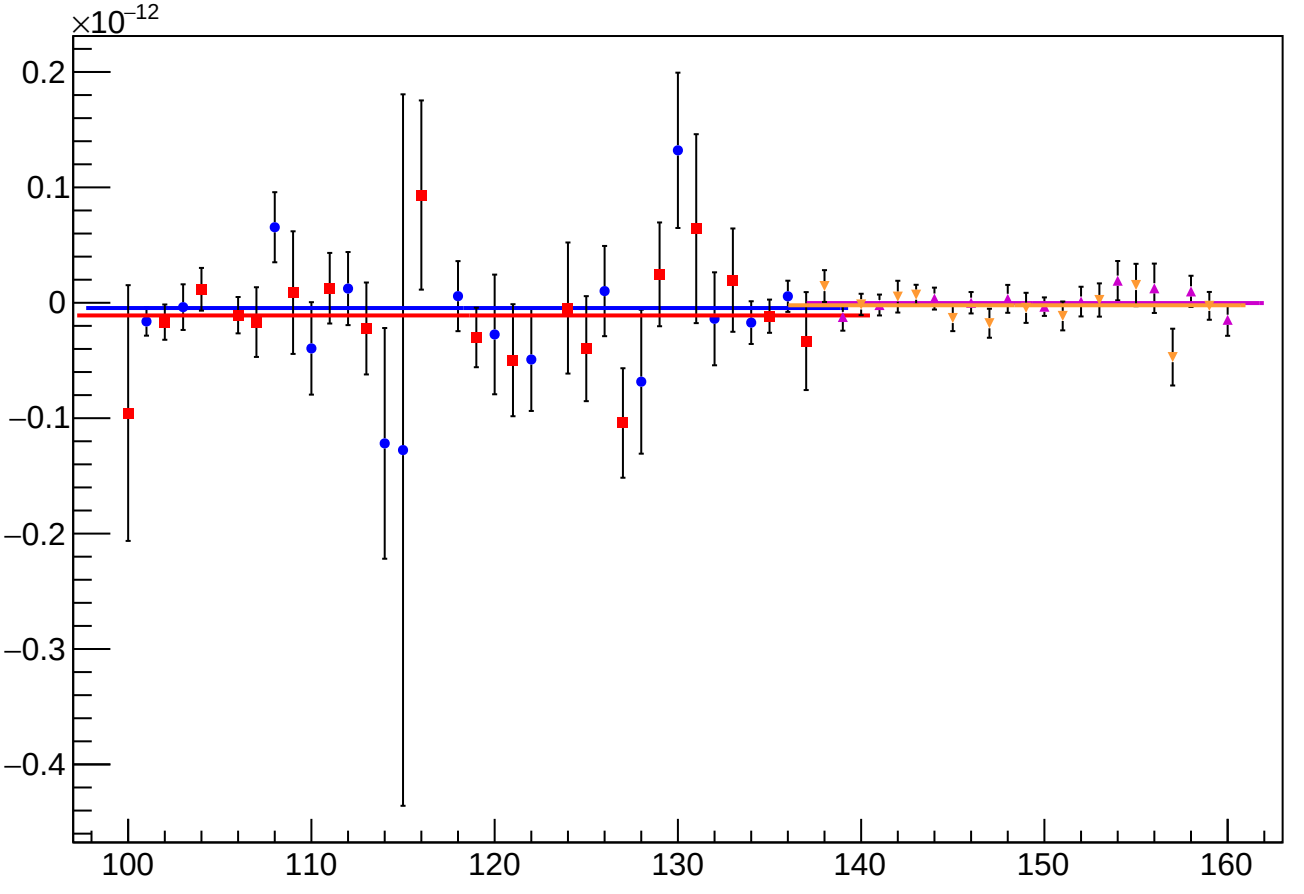
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 353.841+/-0.082 χ^2/NDF:180385.4/10

+ sign 344.301+/-0.062 χ^2/NDF: 1983951.8/27

All: 342.197+/-0.043 χ^2/NDF: 3893342.8/57

- 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:10.3/11

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

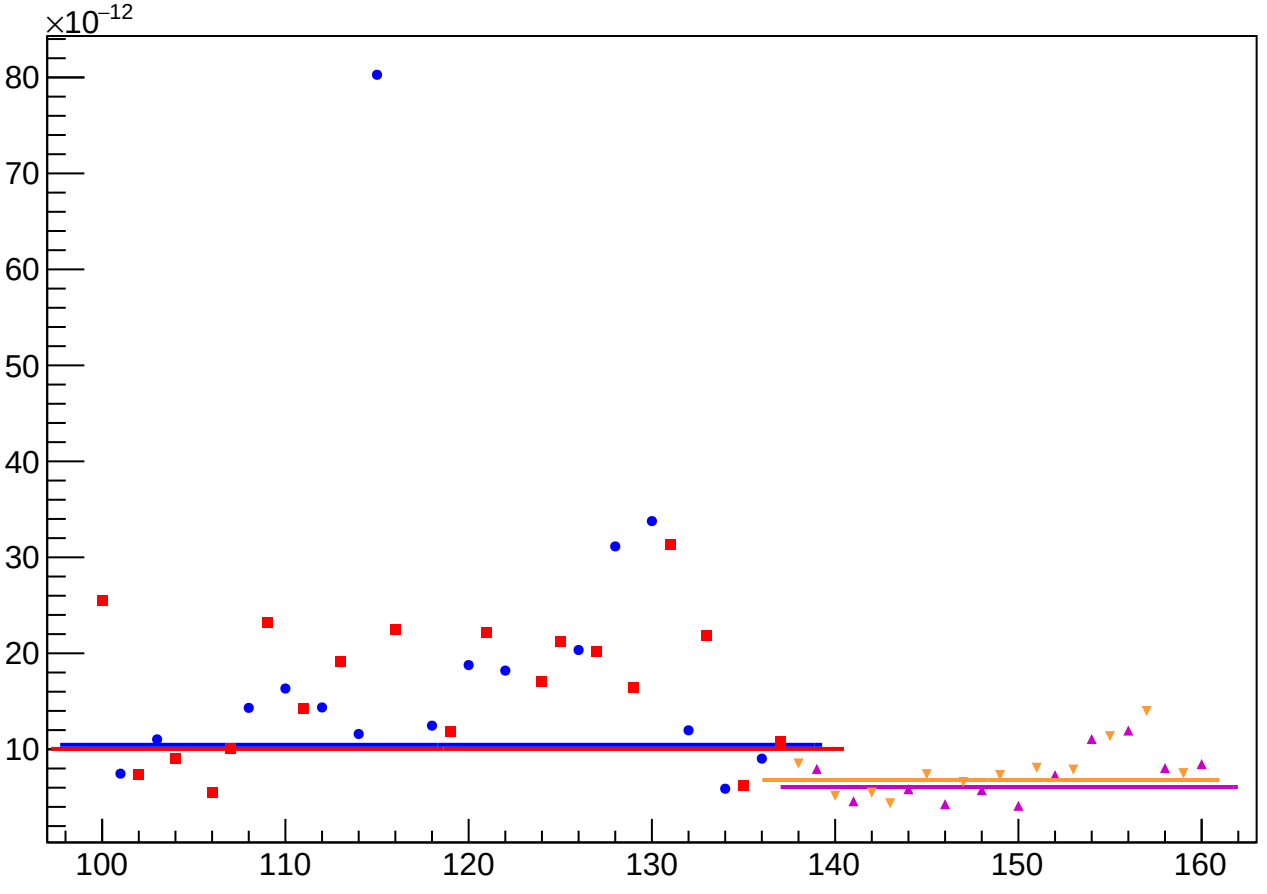
Left In: -0.000+/-0.000 χ^2/NDF:4.8/10

+ sign -0.000+/-0.000 χ^2/NDF: 26.9/27

All: -0.000+/-0.000 χ^2/NDF: 46.2/57

- 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:614390.0/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

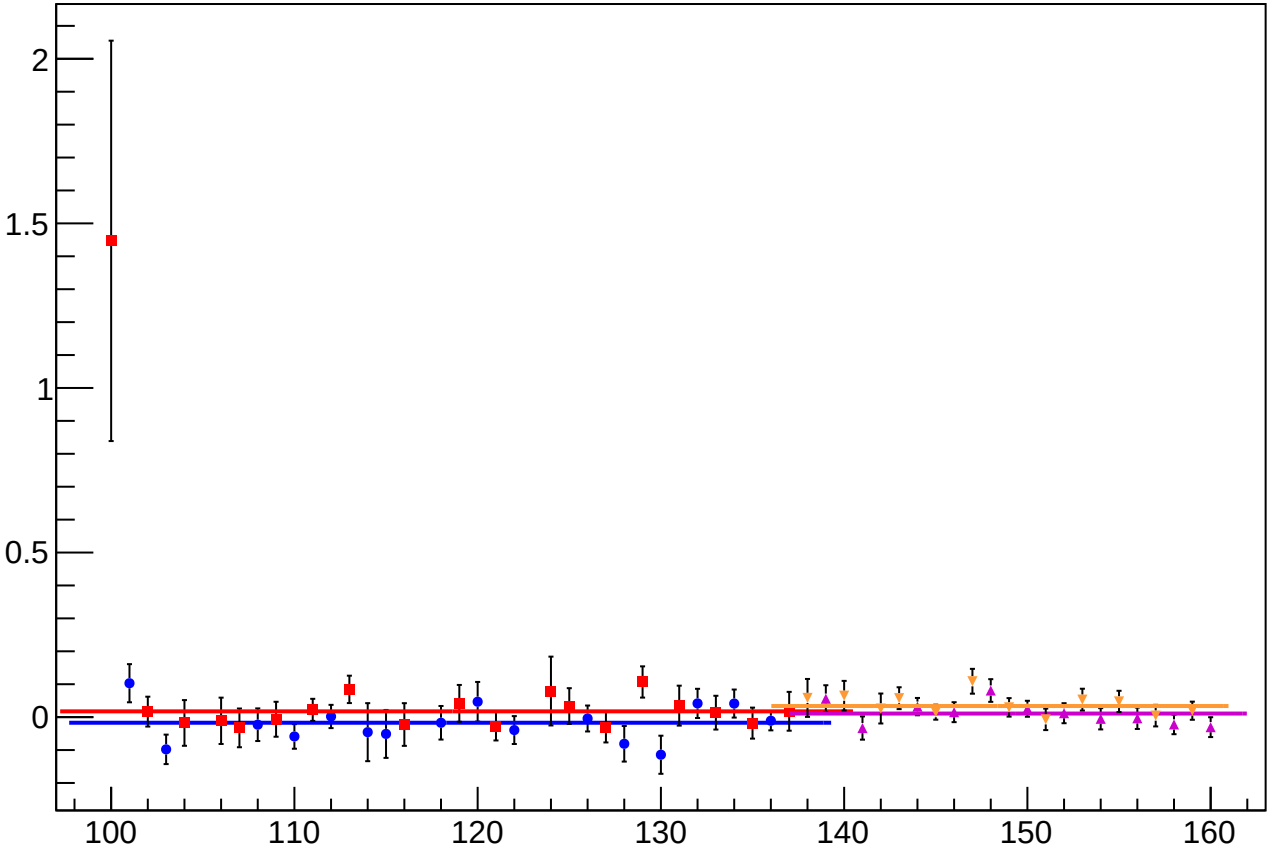
Left In: 0.000+/-0.000 χ^2/NDF:743008.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 2293262.1/27

All: 0.000+/-0.000 χ^2/NDF: 5104319.7/57

- 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: 0.034+/-0.009 χ^2/NDF:9.0/11

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

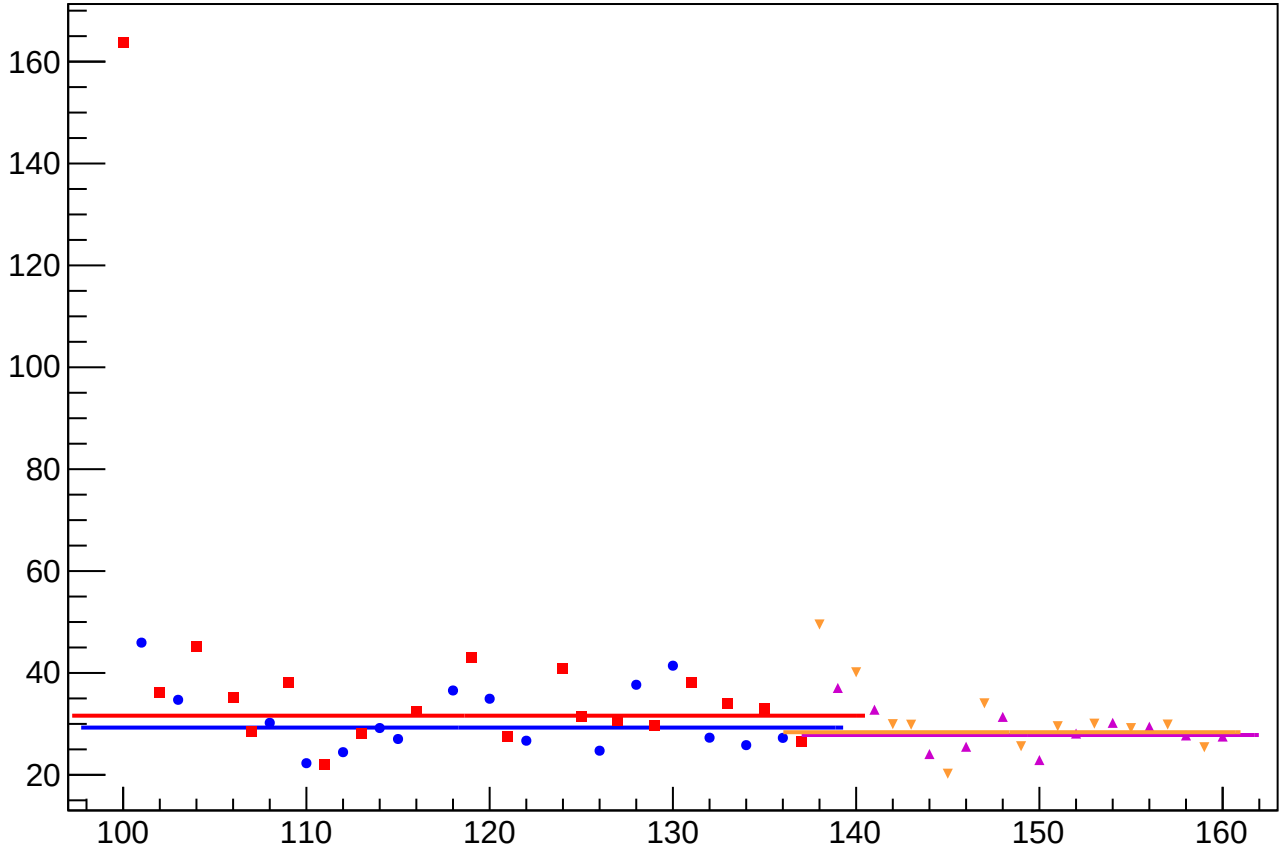
Left In: 0.011+/-0.009 χ^2/NDF:11.5/10

+ sign 0.013+/-0.007 χ^2/NDF: 39.6/27

All: 0.013+/-0.005 χ^2/NDF: 68.1/57

- 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: 28.371+/-0.007 χ^2/NDF:767946.8/11

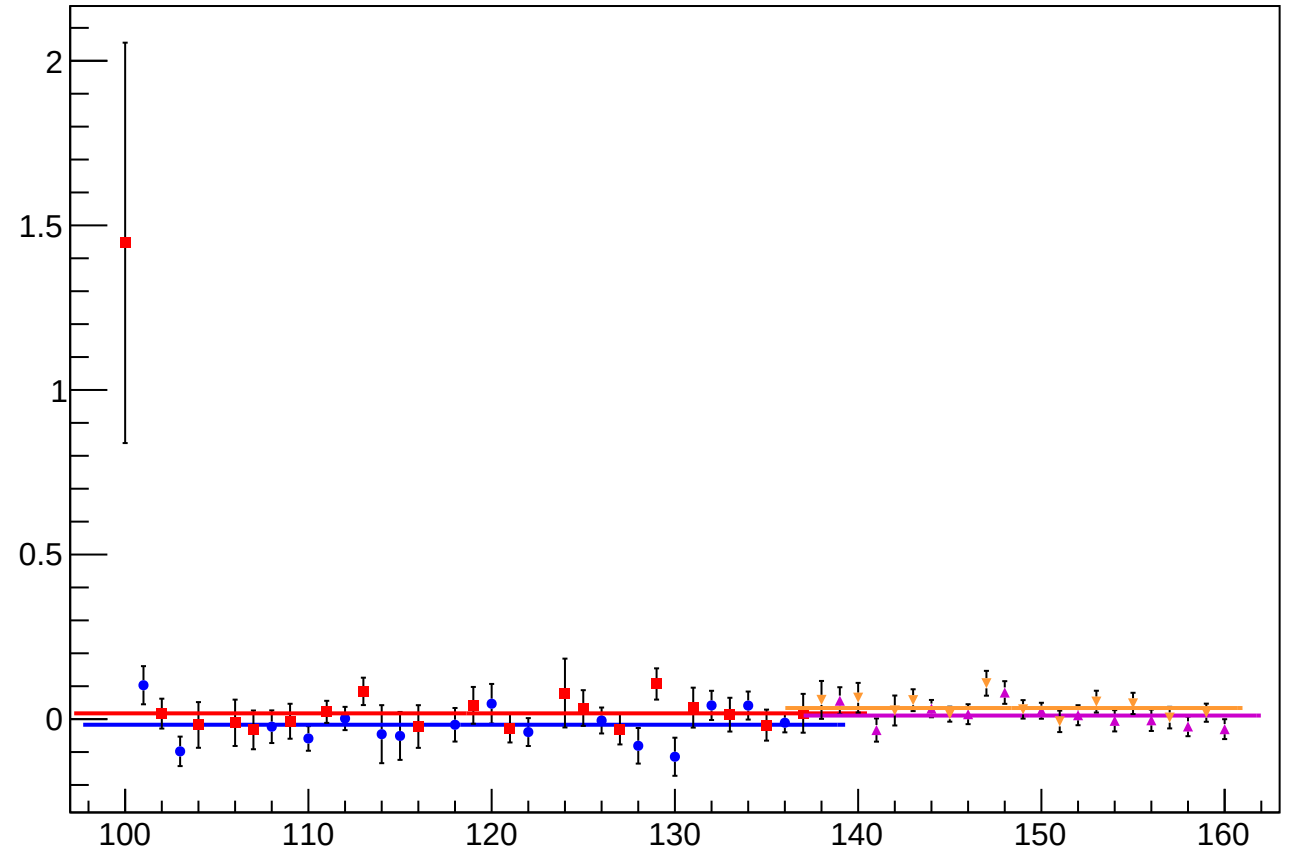
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.821+/-0.007 χ^2/NDF:313721.3/10

+ sign 28.744+/-0.005 χ^2/NDF: 1336144.4/27

All: 28.979+/-0.004 χ^2/NDF: 2350320.1/57

- 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: 0.034+/-0.009 χ^2/NDF:9.0/11

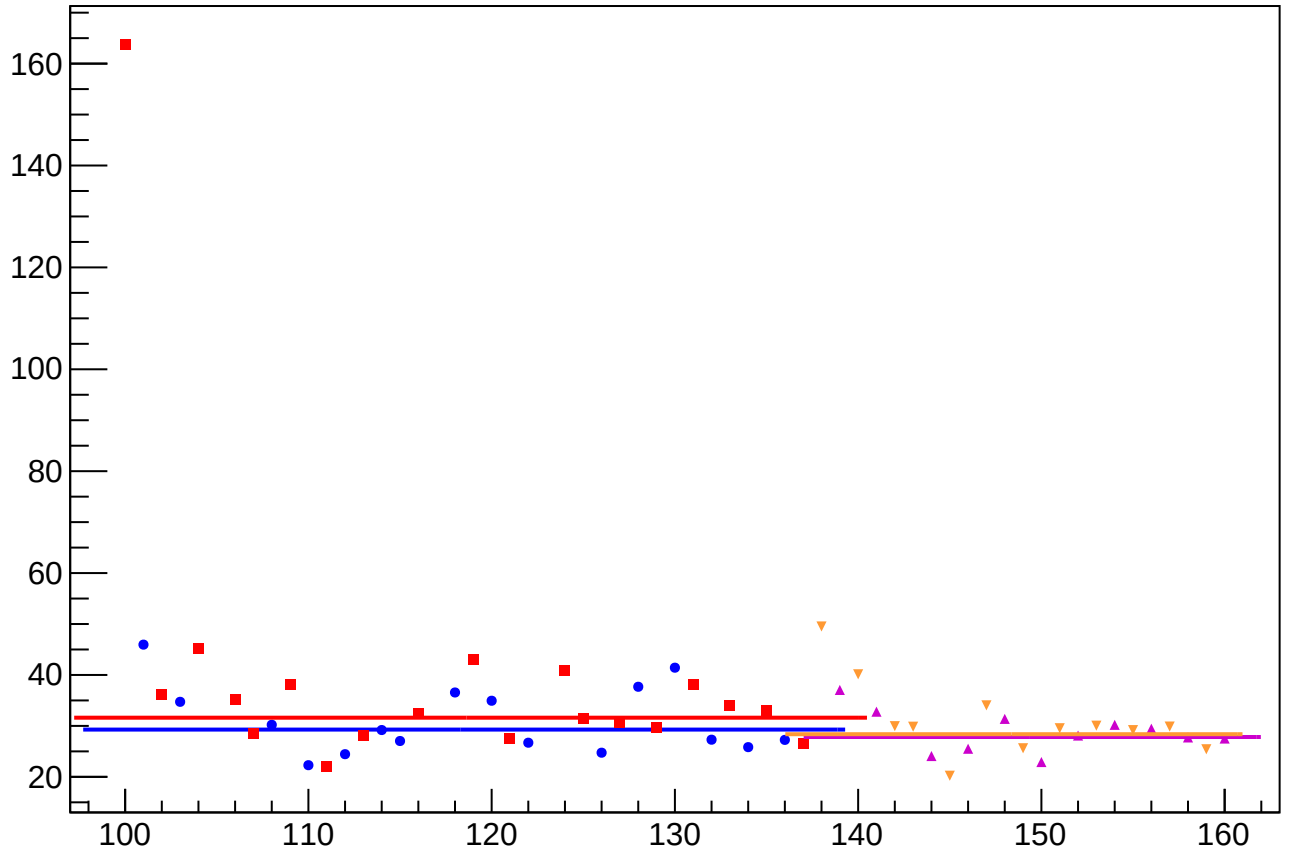
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.009 χ^2/NDF:11.5/10

+ sign 0.013+/-0.007 χ^2/NDF: 39.6/27

All: 0.013+/-0.005 χ^2/NDF: 68.1/57

- 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: 28.371+/-0.007 χ^2/NDF:767946.8/11

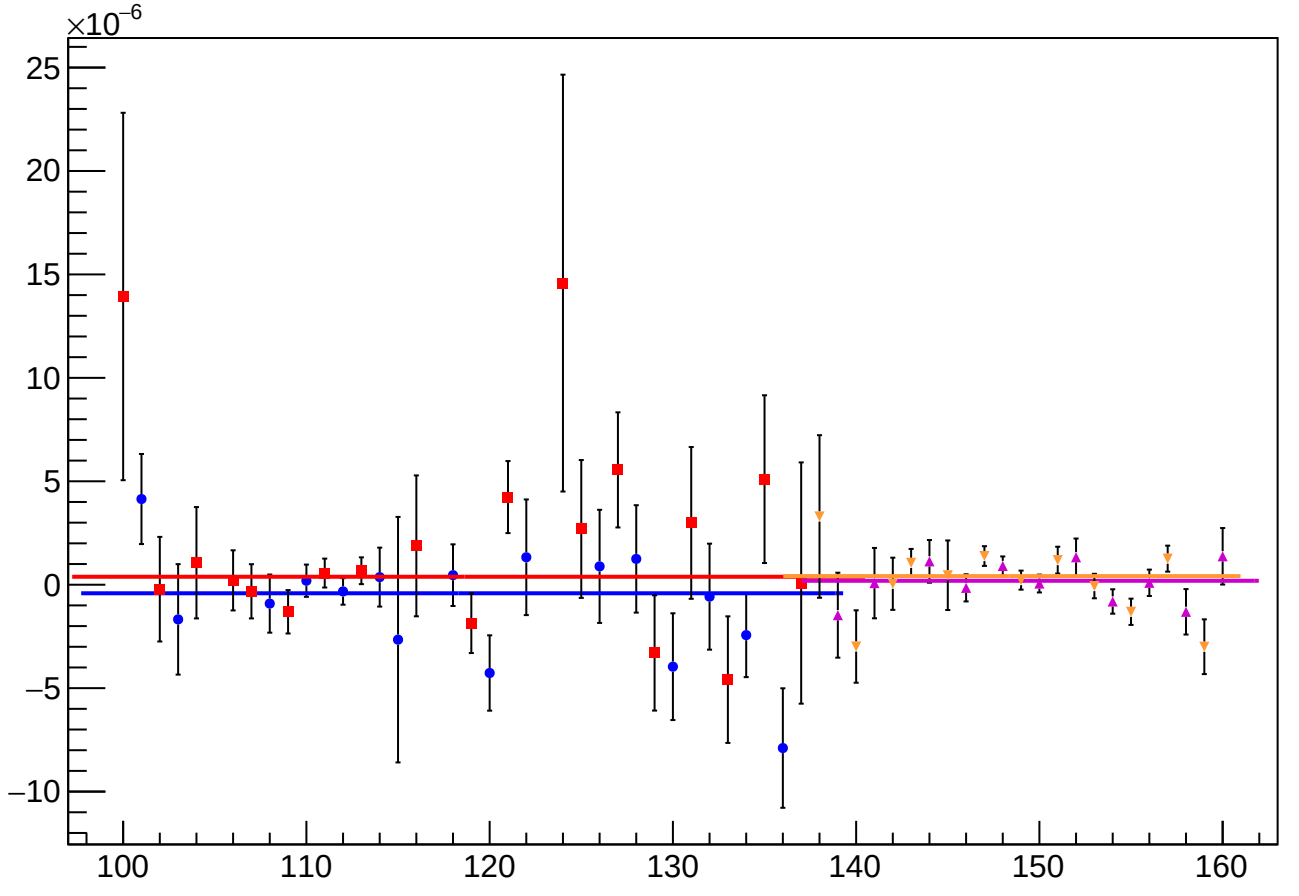
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

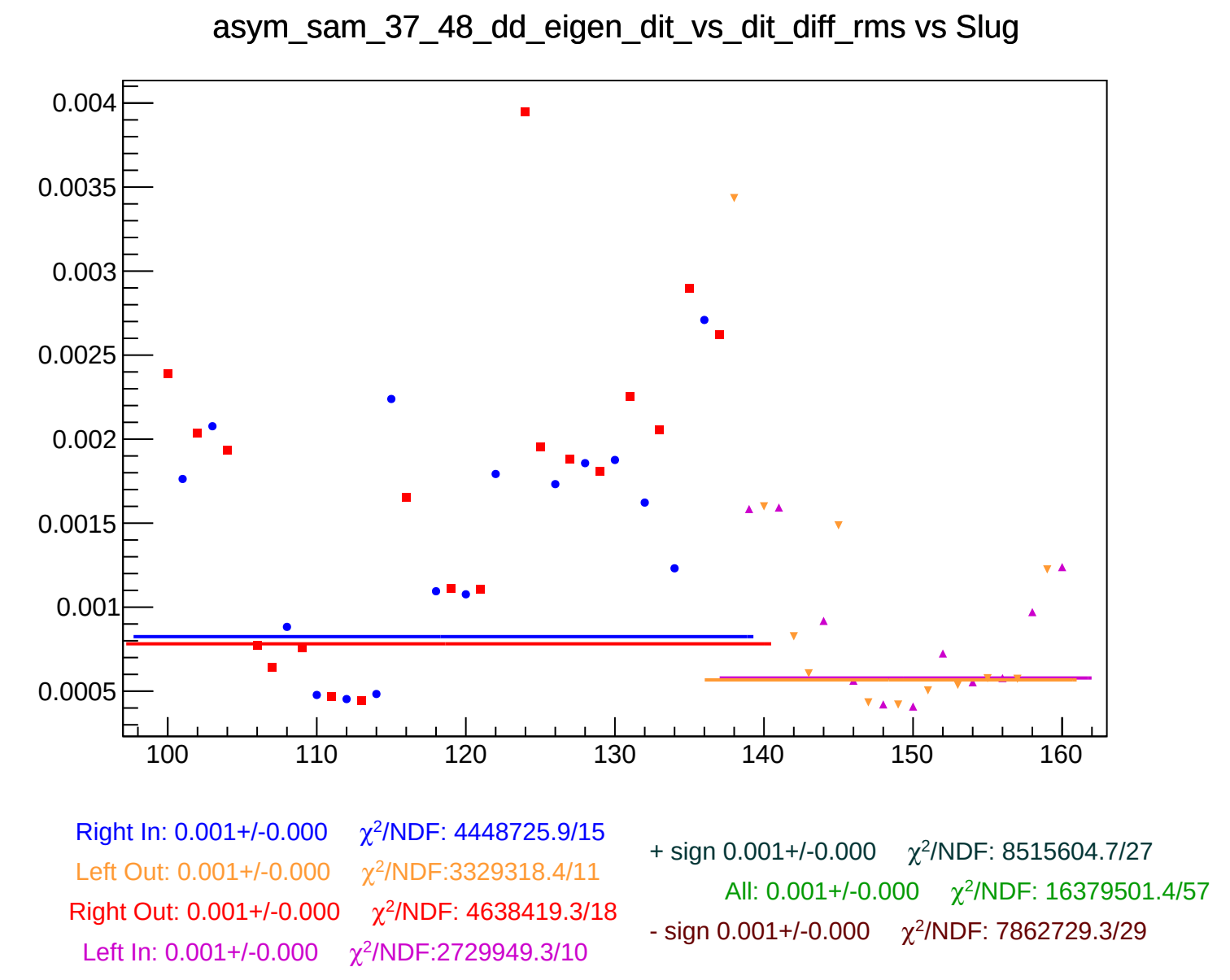
Left In: 27.821+/-0.007 χ^2/NDF:313721.3/10

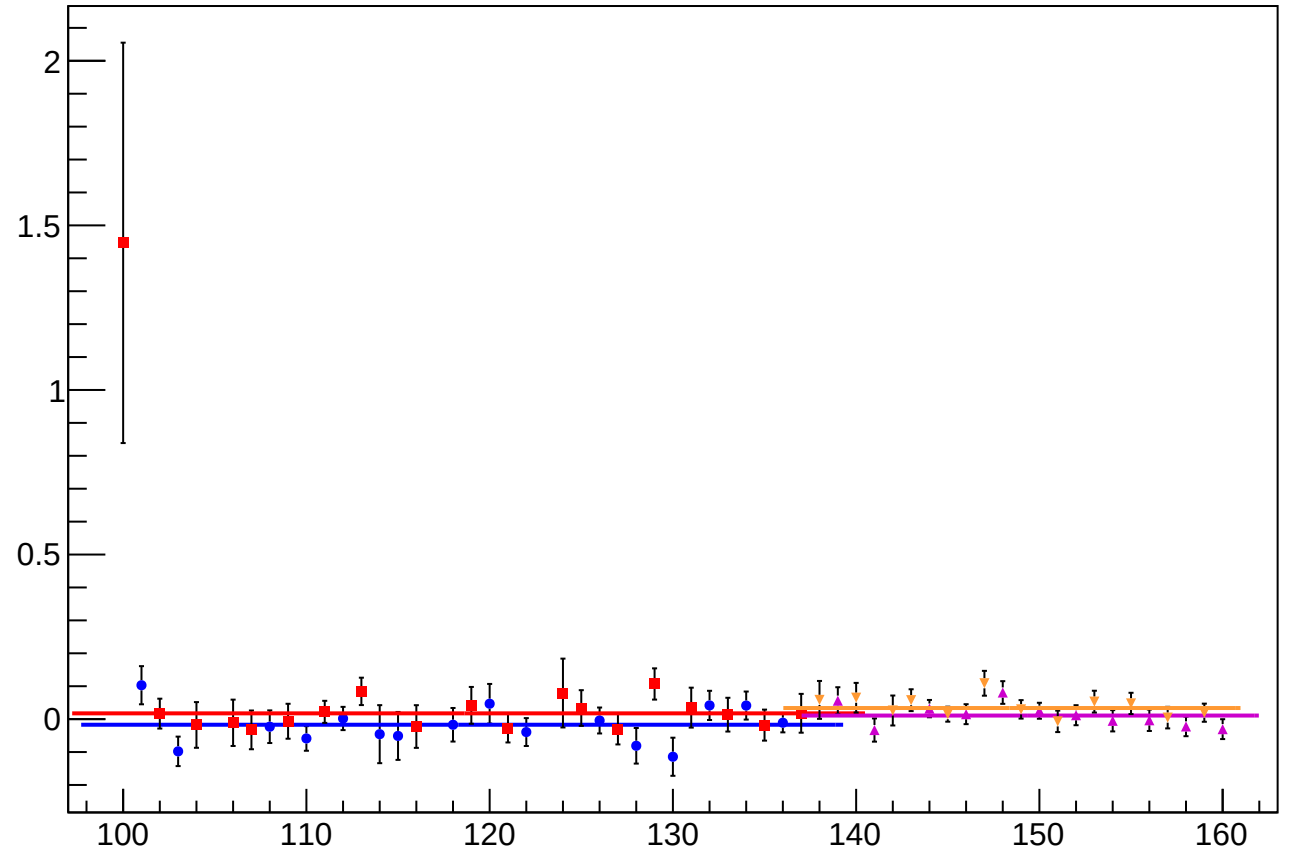
+ sign 28.744+/-0.005 χ^2/NDF: 1336144.4/27

All: 28.979+/-0.004 χ^2/NDF: 2350320.1/57

- sign 29.219+/-0.005 χ^2/NDF: 1009946.6/29


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 21.2/15
Left Out: 0.000+/-0.000 χ²/NDF:27.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/18
Left In: 0.000+/-0.000 χ²/NDF:11.4/10
+ sign 0.000+/-0.000 χ²/NDF: 52.6/27
All: 0.000+/-0.000 χ²/NDF: 89.5/57
- sign 0.000+/-0.000 χ²/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:3329318.4/11
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: 8515604.7/27
All: 0.001+/-0.000 χ²/NDF: 16379501.4/57
- sign 0.001+/-0.000 χ²/NDF: 7862729.3/29



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.034+/-0.009 χ^2/NDF:9.0/11

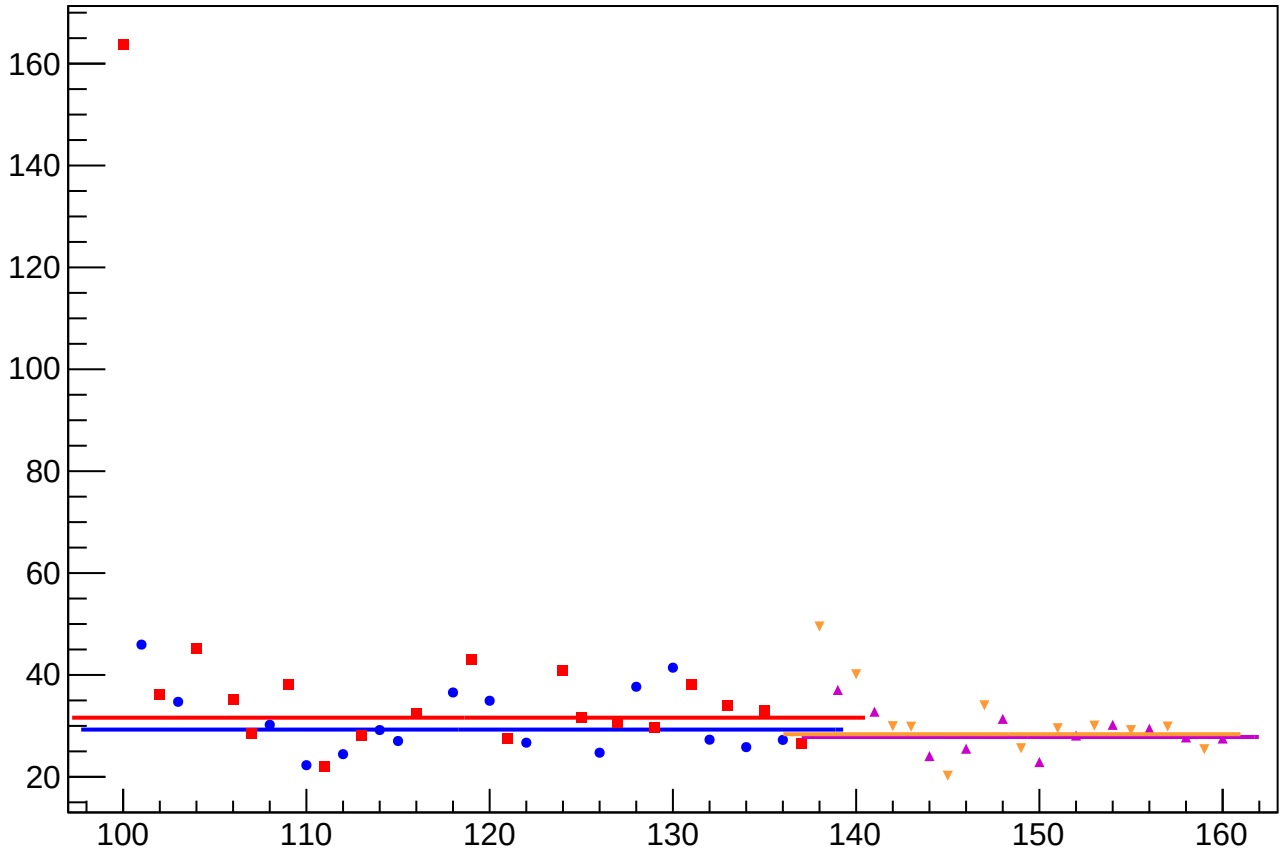
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.009 χ^2/NDF:11.5/10

+ sign 0.013+/-0.007 χ^2/NDF: 39.6/27

All: 0.013+/-0.005 χ^2/NDF: 68.1/57

- 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: 28.370+/-0.007 χ^2/NDF:767990.9/11

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

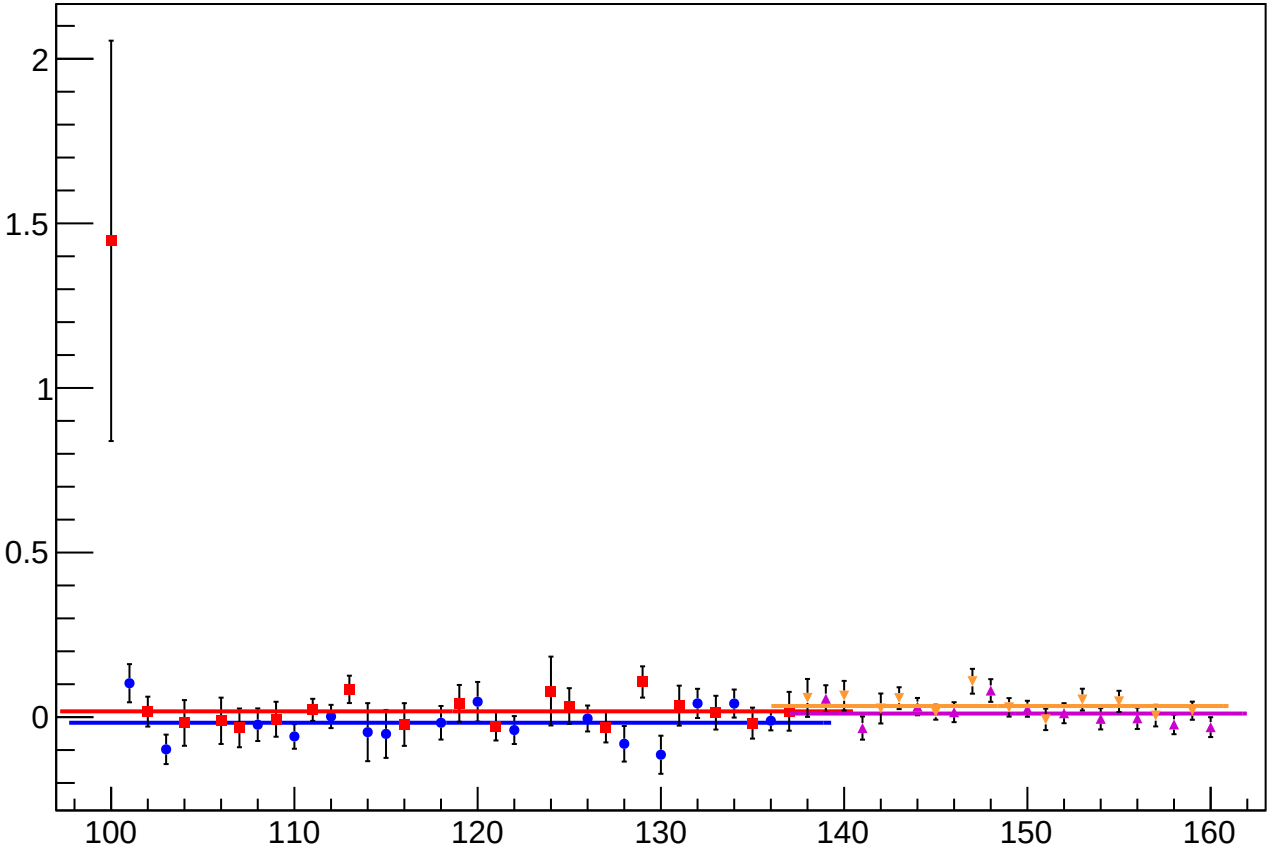
Left In: 27.821+/-0.007 χ^2/NDF:313692.9/10

+ sign 28.744+/-0.005 χ^2/NDF: 1336192.9/27

All: 28.979+/-0.004 χ^2/NDF: 2350355.7/57

- sign 29.219+/-0.005 χ^2/NDF: 1009931.4/29

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.034+/-0.009 χ^2/NDF:9.0/11

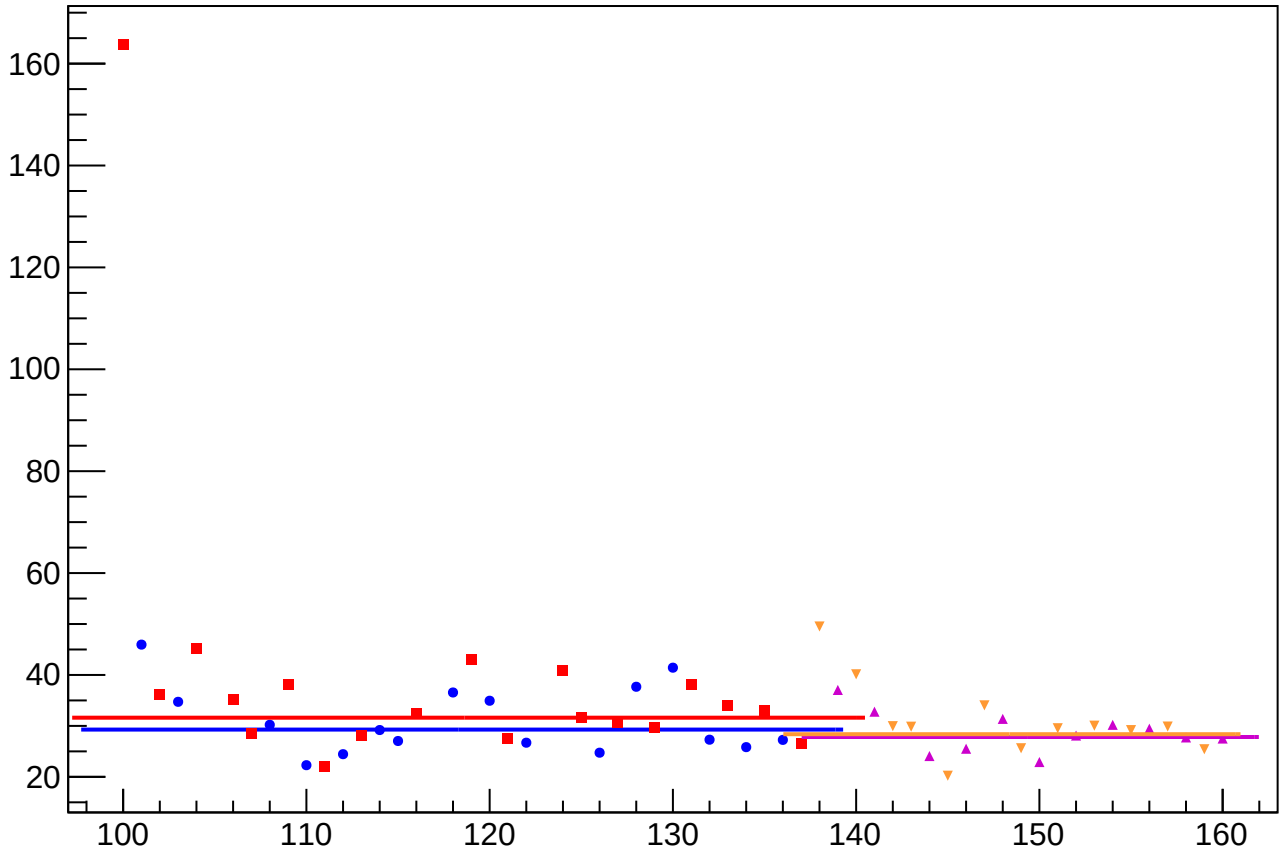
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.009 χ^2/NDF:11.5/10

+ sign 0.013+/-0.007 χ^2/NDF: 39.6/27

All: 0.013+/-0.005 χ^2/NDF: 68.1/57

- 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: 28.370+/-0.007 χ^2/NDF:767990.9/11

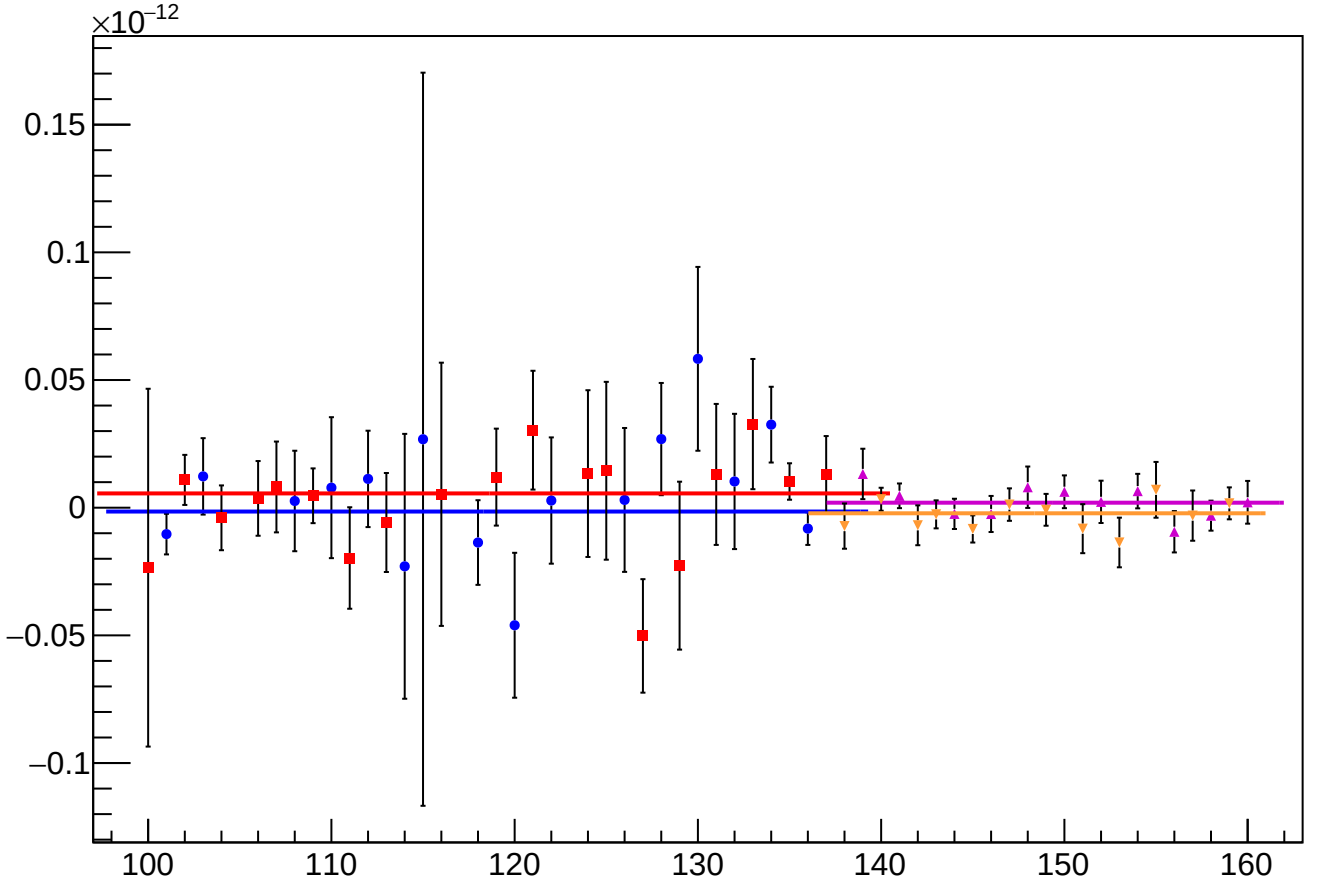
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.821+/-0.007 χ^2/NDF:313692.9/10

+ sign 28.744+/-0.005 χ^2/NDF: 1336192.9/27

All: 28.979+/-0.004 χ^2/NDF: 2350355.7/57

- 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:6.7/11

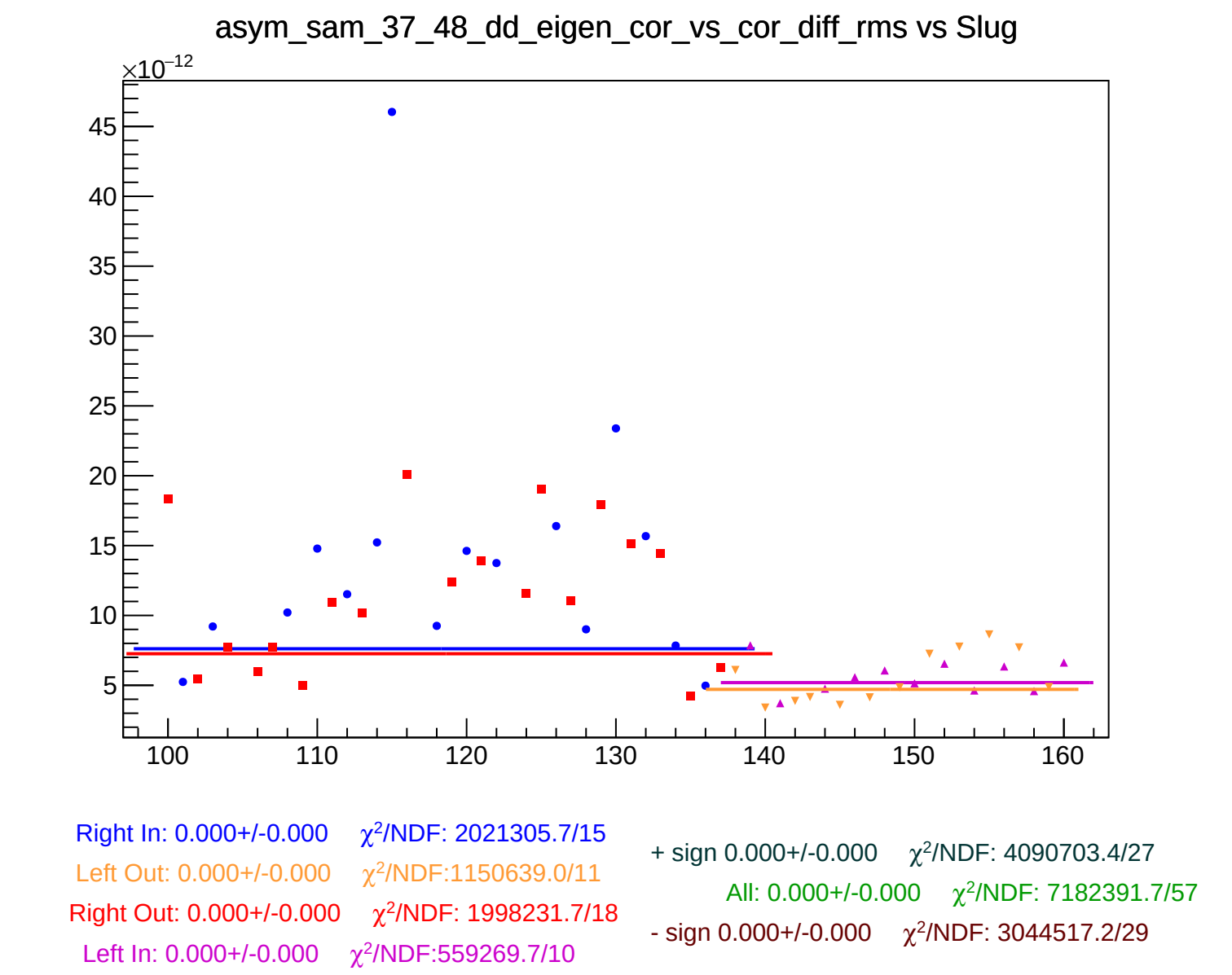
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/10

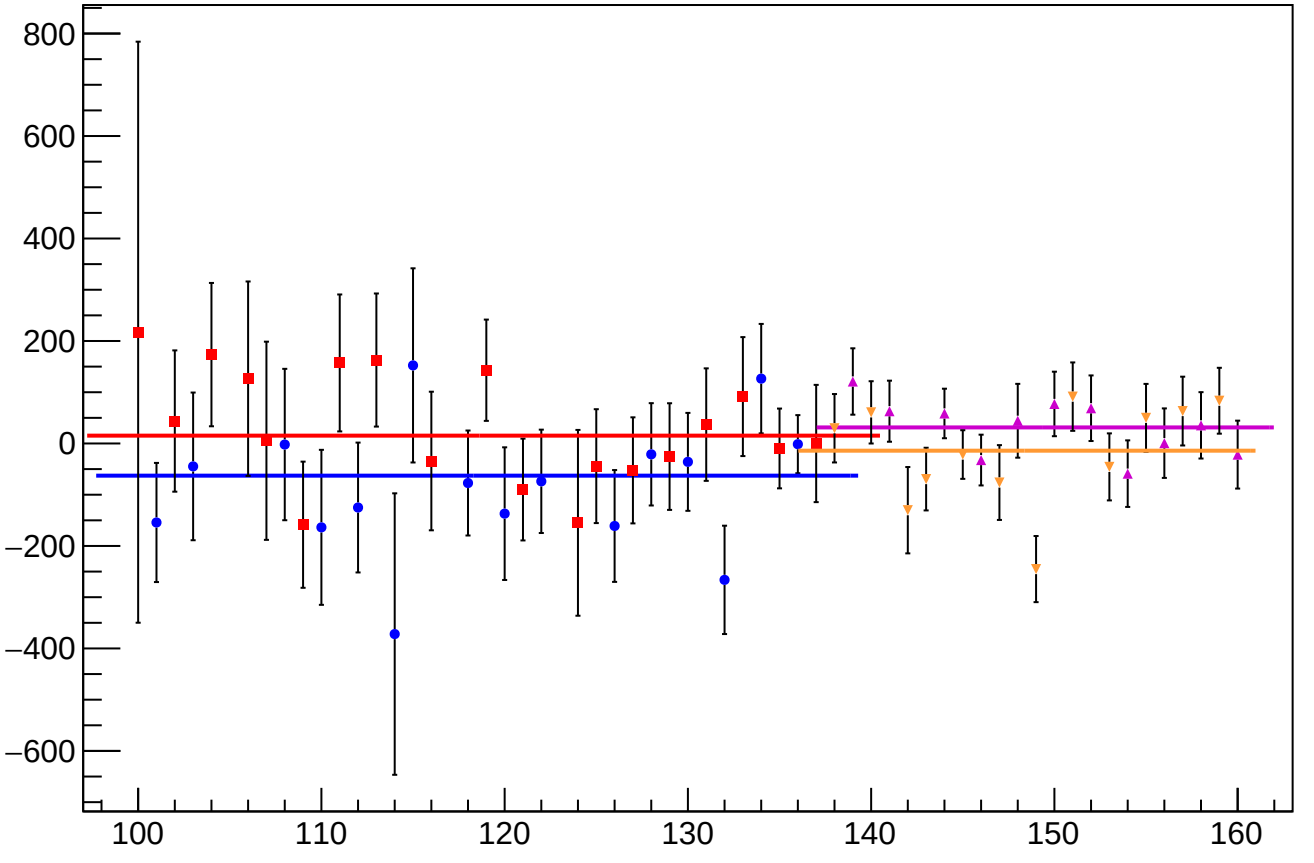
+ sign -0.000+/-0.000 χ^2/NDF: 23.7/27

All: 0.000+/-0.000 χ^2/NDF: 48.3/57

- 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:1150639.0/11
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: 4090703.4/27
All: 0.000+/-0.000 χ²/NDF: 7182391.7/57
- 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: -14.075+/-18.489 χ^2/NDF:25.5/11

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

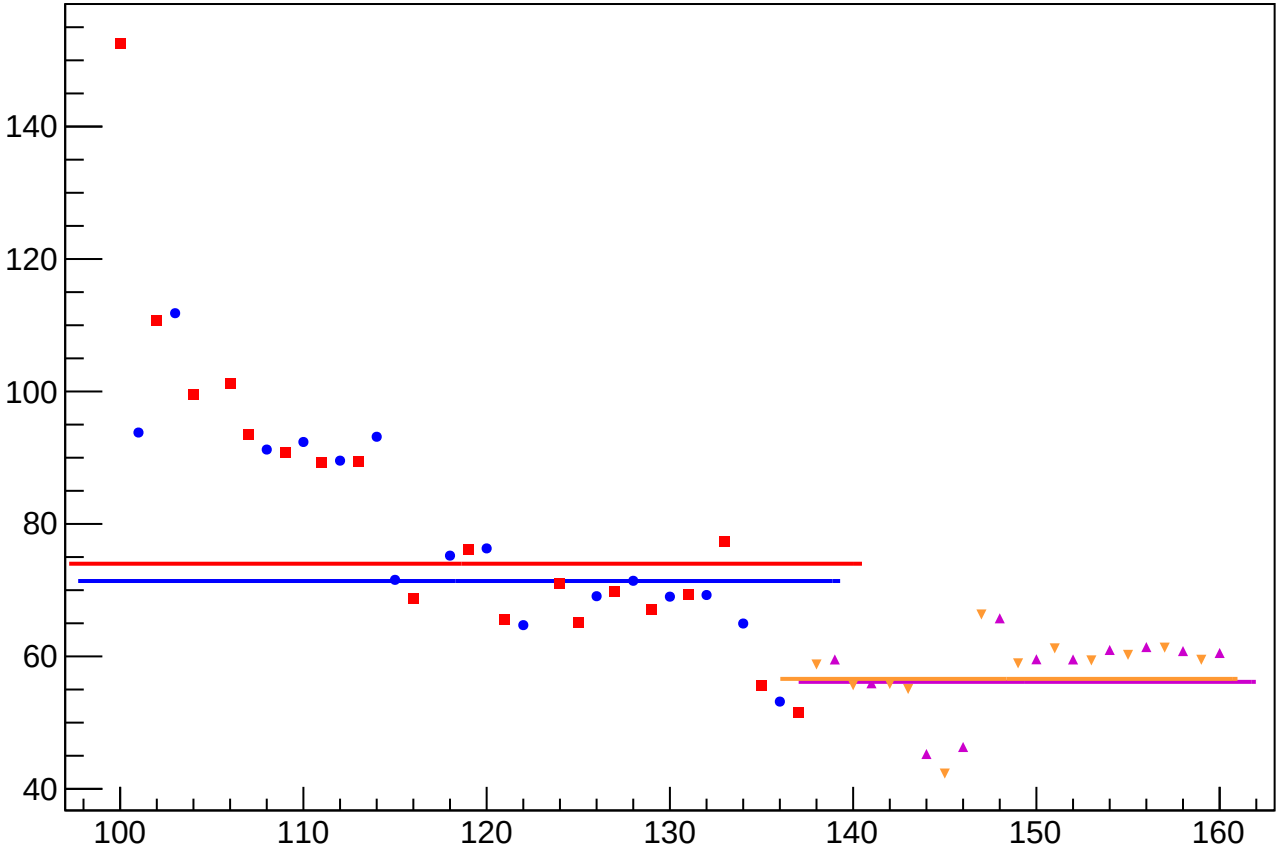
Left In: 31.323+/-18.365 χ^2/NDF:7.9/10

+ sign -29.462+/-15.293 χ^2/NDF: 41.2/27

All: -1.555+/-10.823 χ^2/NDF: 67.4/57

- 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: 56.606+/-0.013 χ^2/NDF:256816.5/11

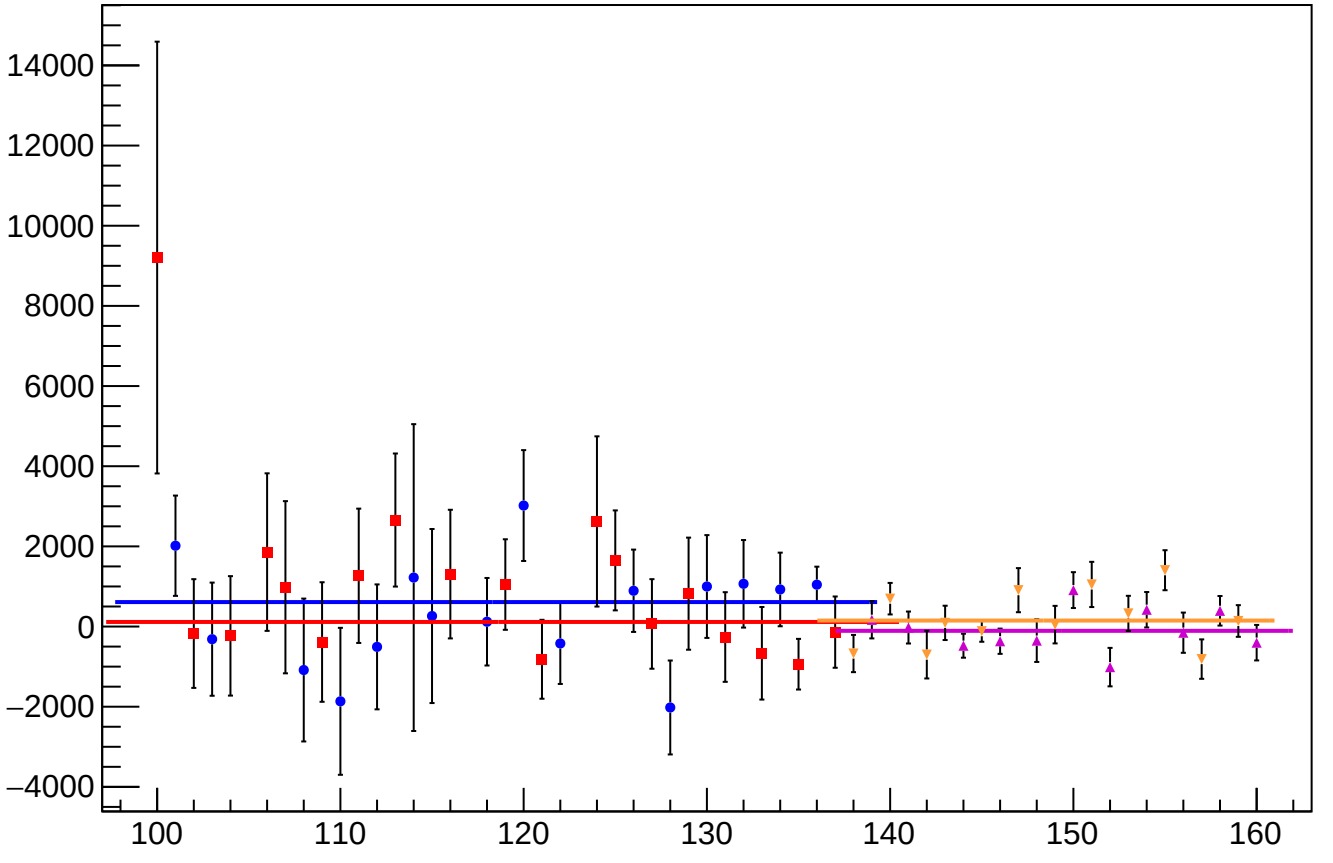
Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 56.156+/-0.013 χ^2/NDF:274779.9/10

+ sign 61.272+/-0.011 χ^2/NDF: 1251244.9/27

All: 61.428+/-0.008 χ^2/NDF: 2738976.0/57

- sign 61.584+/-0.011 χ^2/NDF: 1487317.9/29



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 149.425+/-124.509 χ^2/NDF:22.9/11

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

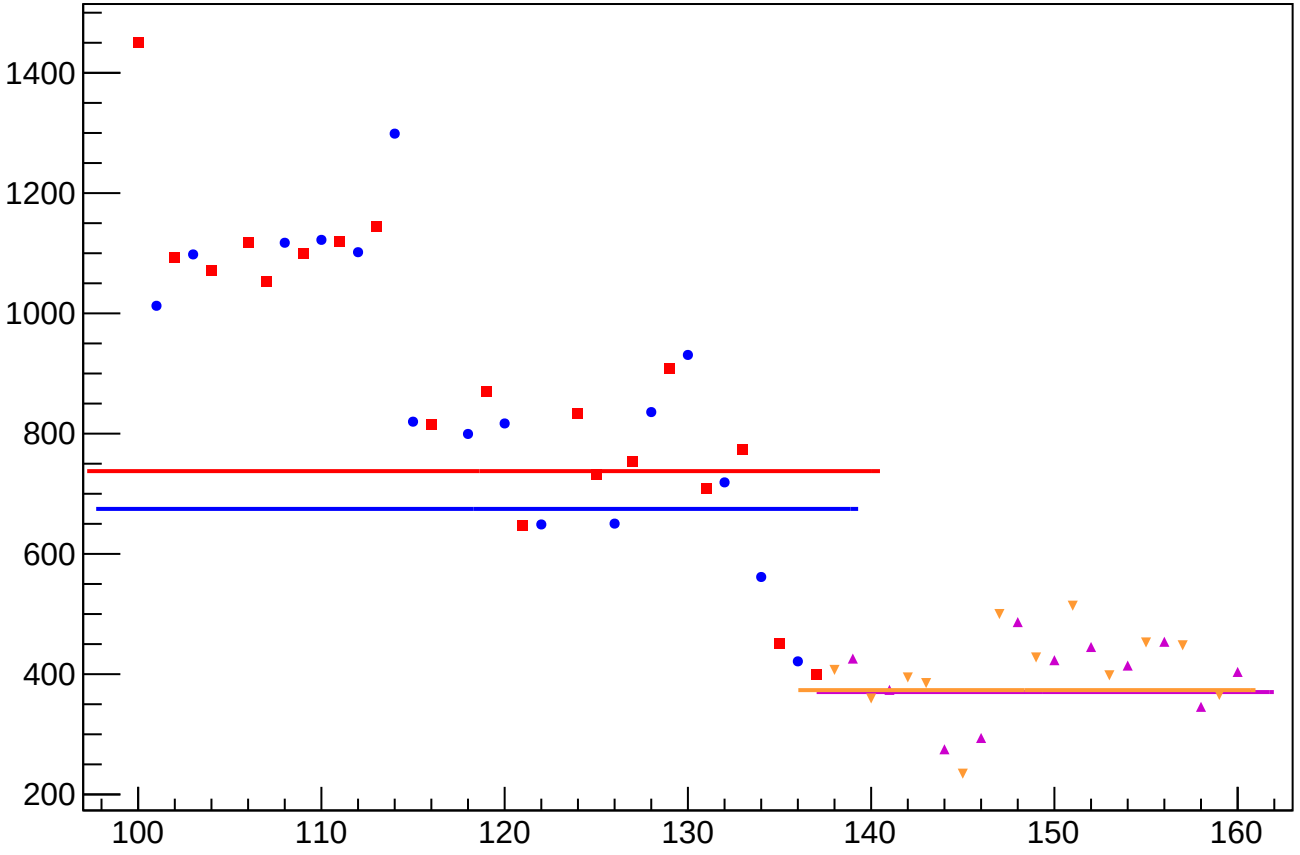
Left In: -106.860+/-122.575 χ^2/NDF:15.2/10

+ sign 231.893+/-112.828 χ^2/NDF: 41.1/27

All: 79.513+/-79.686 χ^2/NDF: 76.0/57

- 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: 373.461+/-0.088 χ^2/NDF:932412.3/11

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

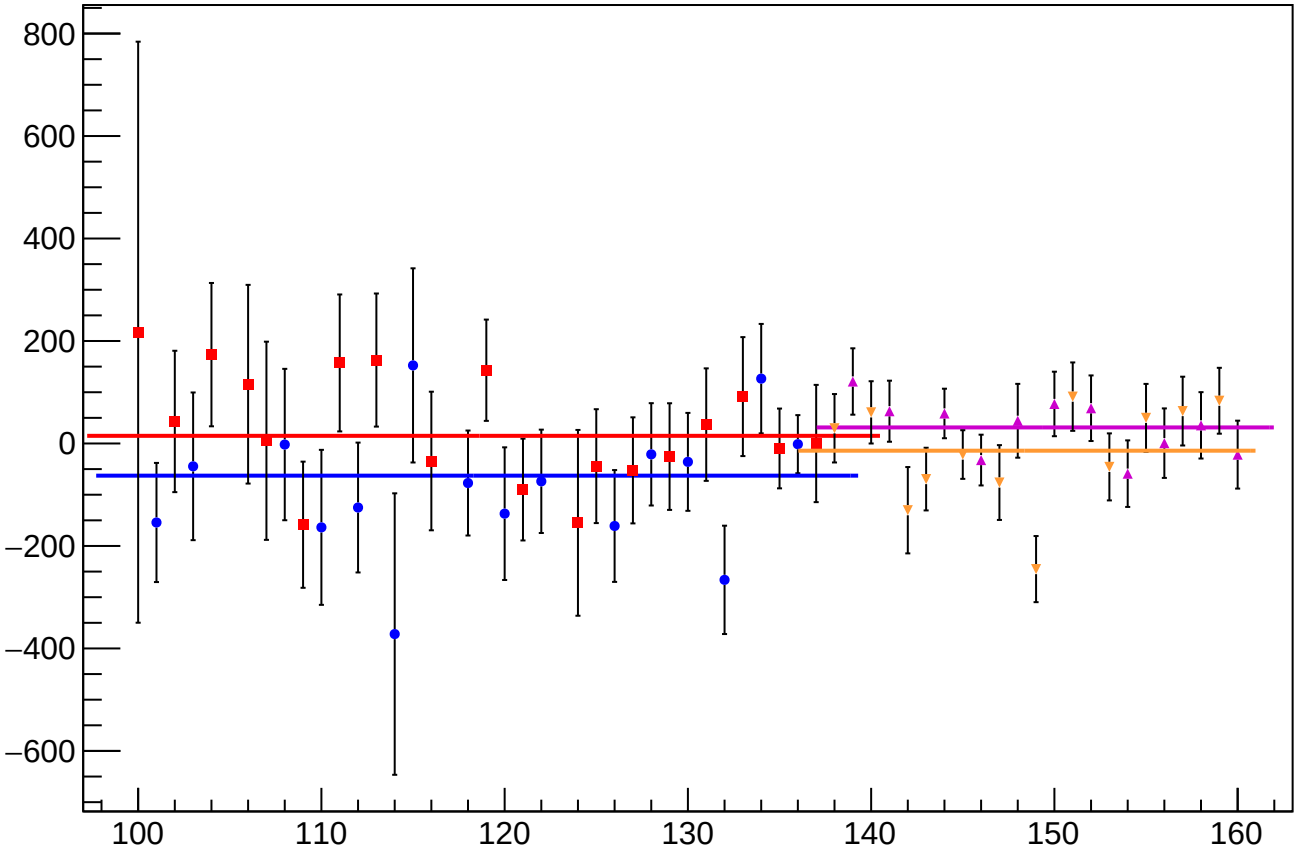
Left In: 370.252+/-0.087 χ^2/NDF:616329.9/10

+ sign 427.357+/-0.080 χ^2/NDF: 4645466.8/27

All: 427.599+/-0.056 χ^2/NDF: 9595219.6/57

- 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: -14.078+/-18.489 χ^2/NDF:25.5/11

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

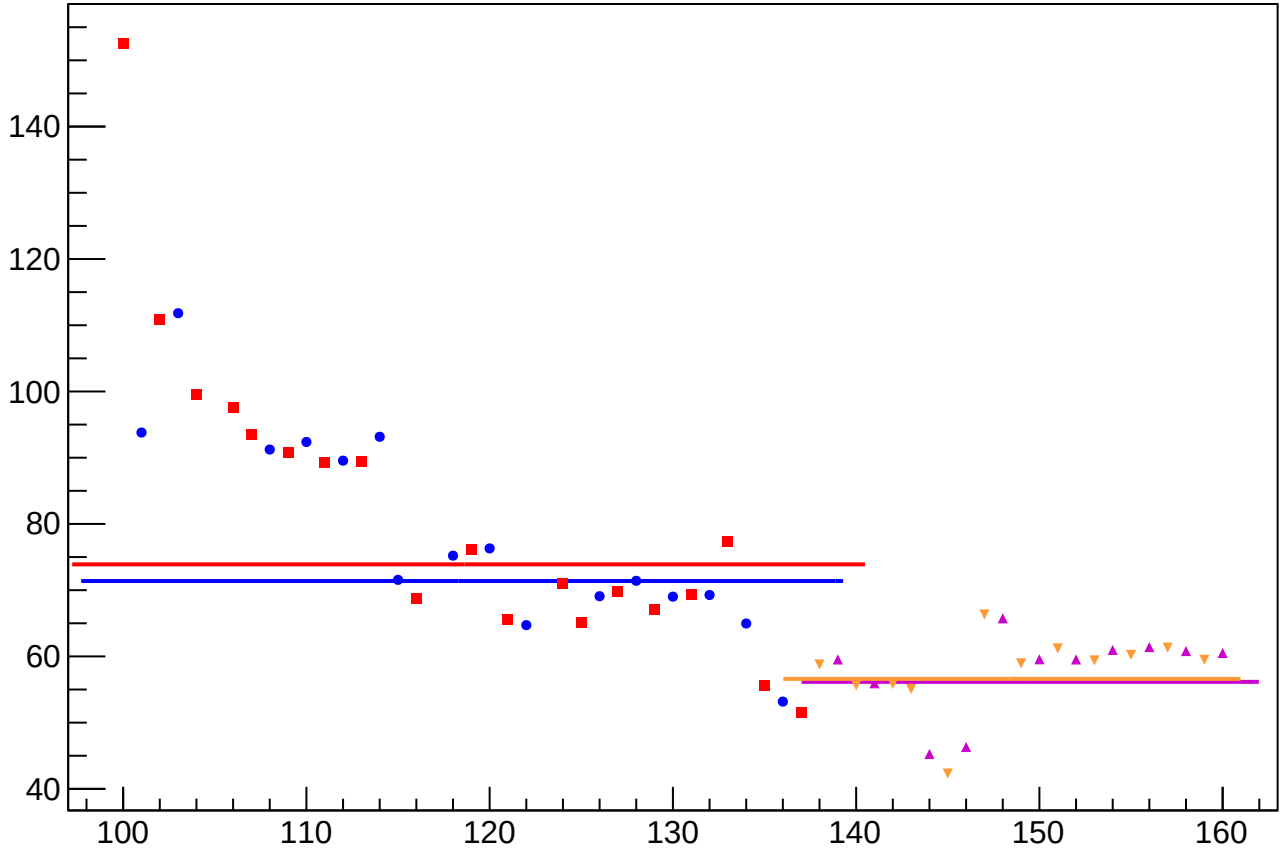
Left In: 31.323+/-18.365 χ^2/NDF:7.9/10

+ sign -29.461+/-15.293 χ^2/NDF: 41.2/27

All: -1.611+/-10.823 χ^2/NDF: 67.3/57

- 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: 56.606+/-0.013 χ^2/NDF:256816.5/11

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

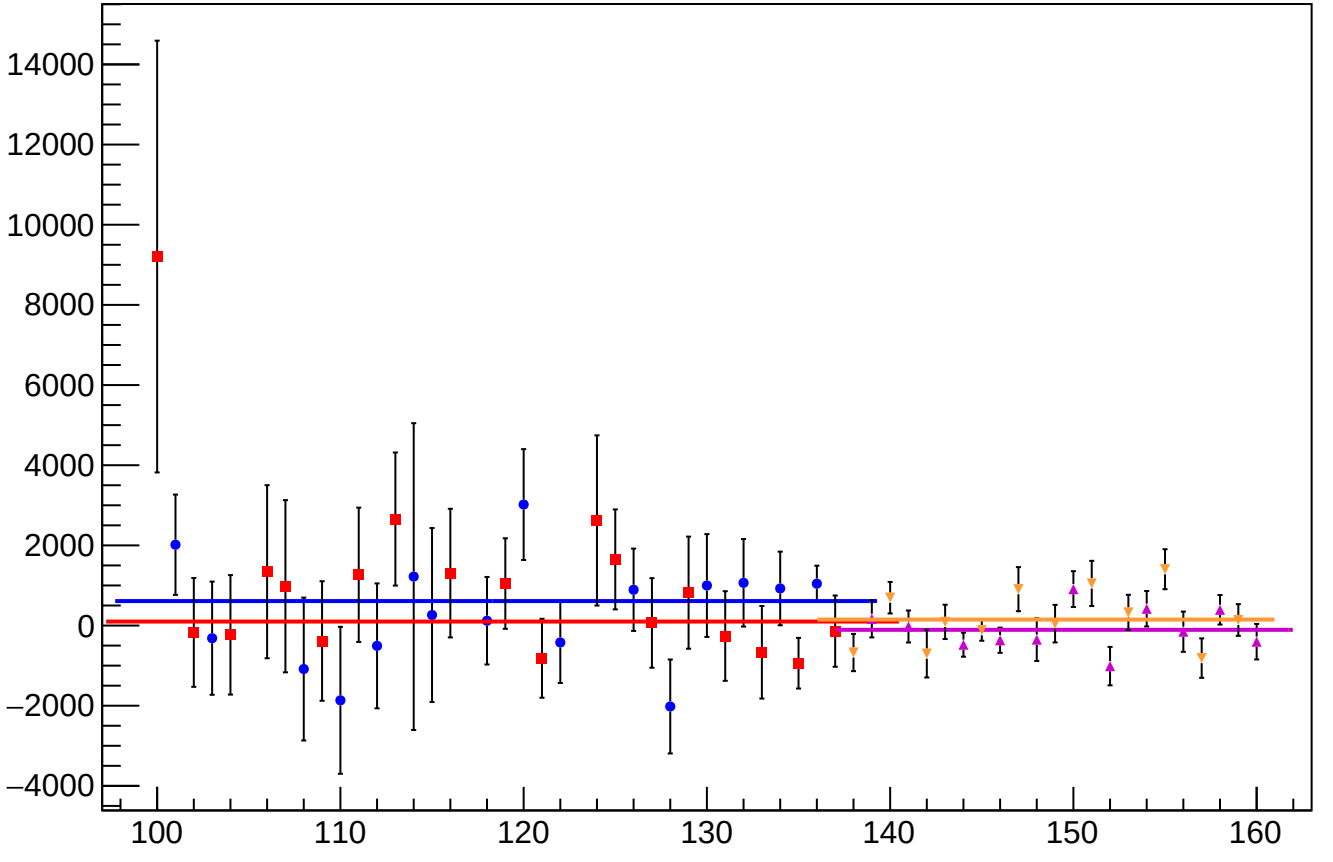
Left In: 56.156+/-0.013 χ^2/NDF:274780.0/10

+ sign 61.272+/-0.011 χ^2/NDF: 1251247.5/27

All: 61.411+/-0.008 χ^2/NDF: 2720682.9/57

- sign 61.550+/-0.011 χ^2/NDF: 1469107.4/29

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 149.421+/-124.509 χ^2/NDF:22.9/11

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

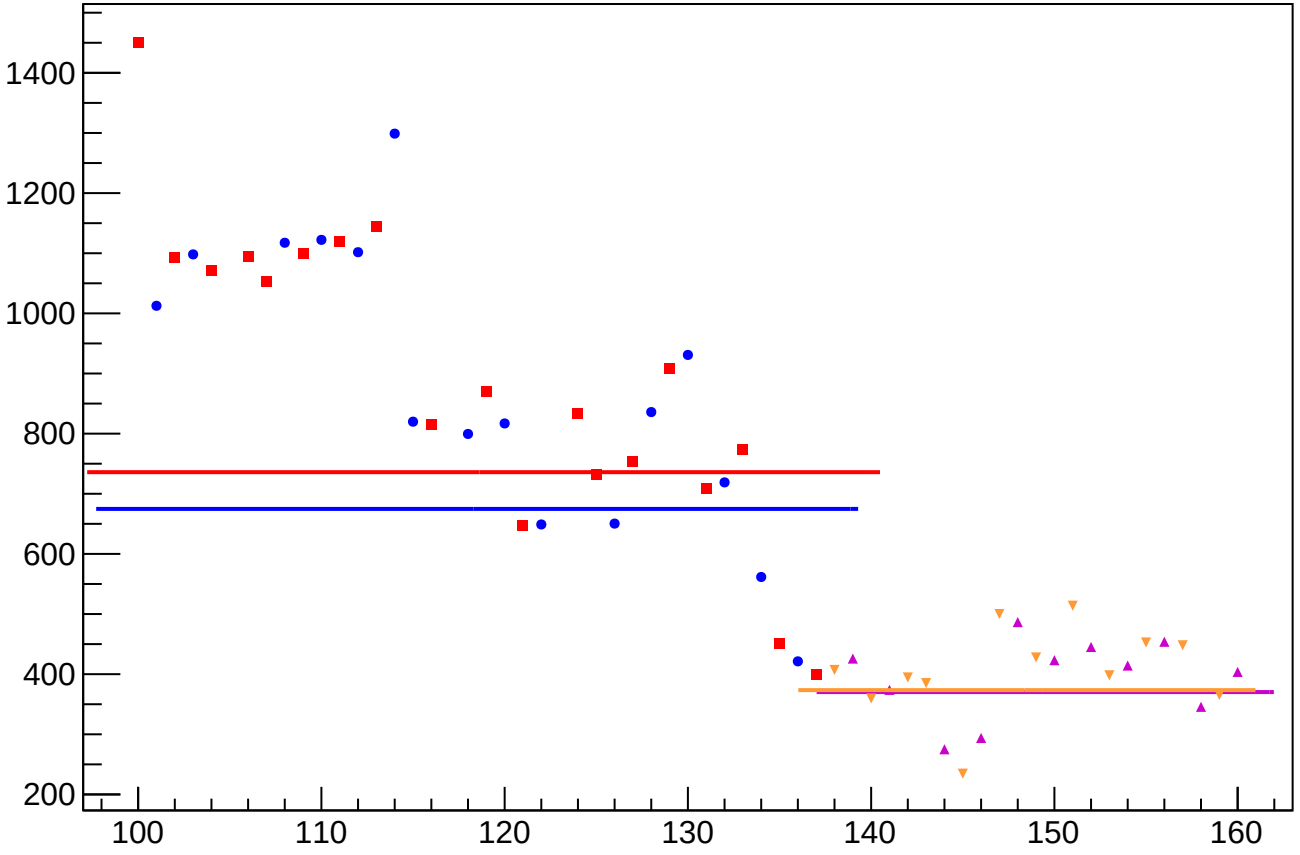
Left In: -106.856+/-122.575 χ^2/NDF:15.2/10

+ sign 231.887+/-112.828 χ^2/NDF: 41.1/27

All: 78.321+/-79.698 χ^2/NDF: 75.6/57

- 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: 373.461+/-0.088 χ^2/NDF:932419.5/11

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

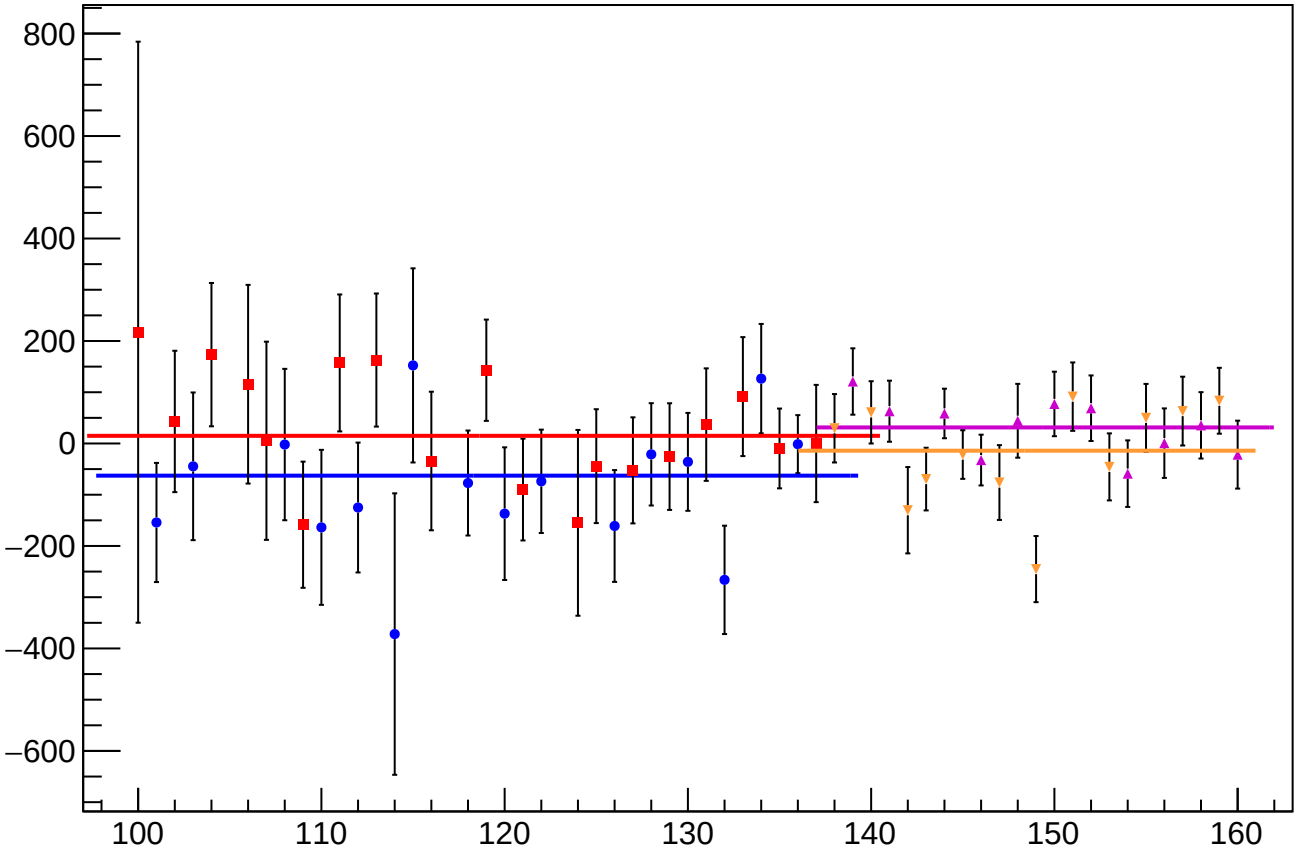
Left In: 370.252+/-0.087 χ^2/NDF:616330.4/10

+ sign 427.357+/-0.080 χ^2/NDF: 4645501.1/27

All: 427.373+/-0.056 χ^2/NDF: 9540050.9/57

- 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: -14.078+/-18.489 χ^2/NDF:25.5/11

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

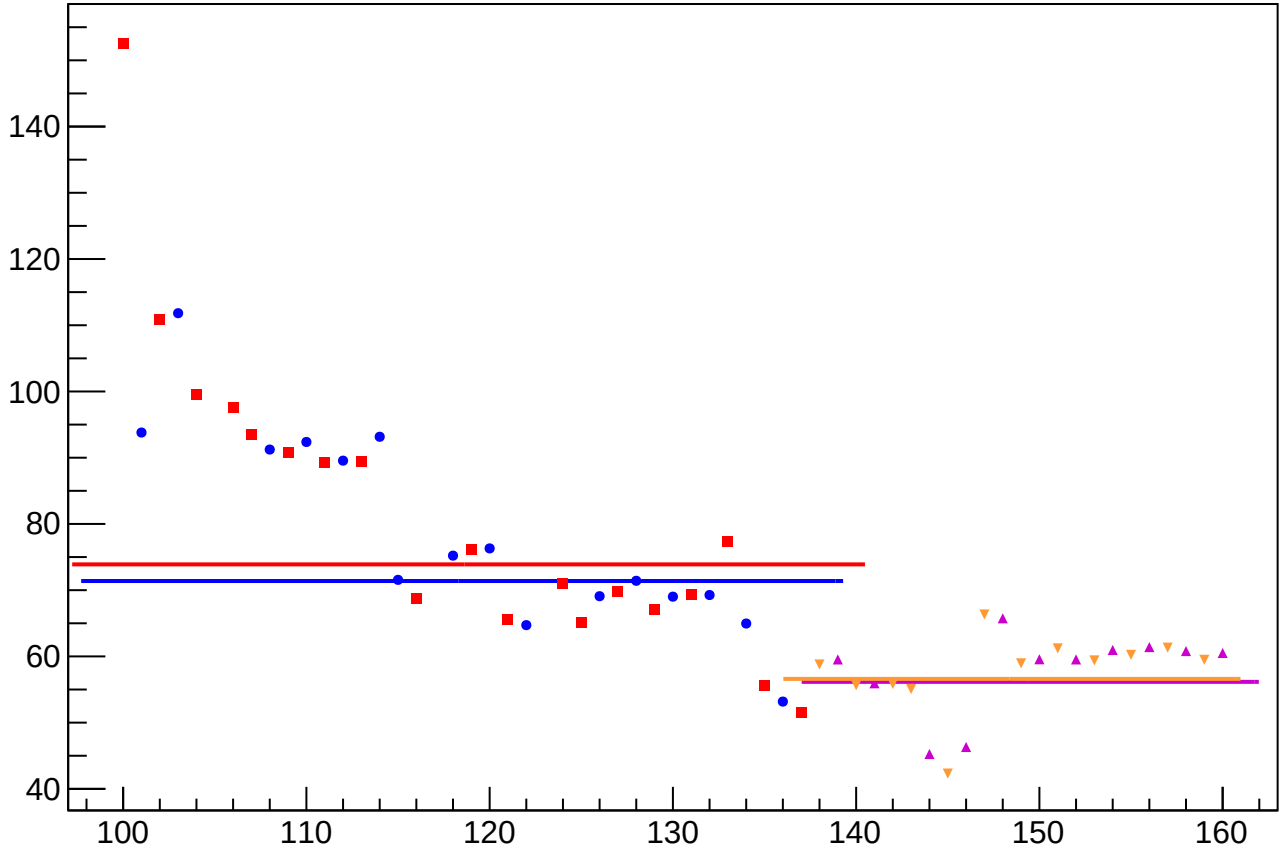
Left In: 31.323+/-18.365 χ^2/NDF:7.9/10

+ sign -29.461+/-15.293 χ^2/NDF: 41.2/27

All: -1.611+/-10.823 χ^2/NDF: 67.3/57

- 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: 56.606+/-0.013 χ^2/NDF:256816.5/11

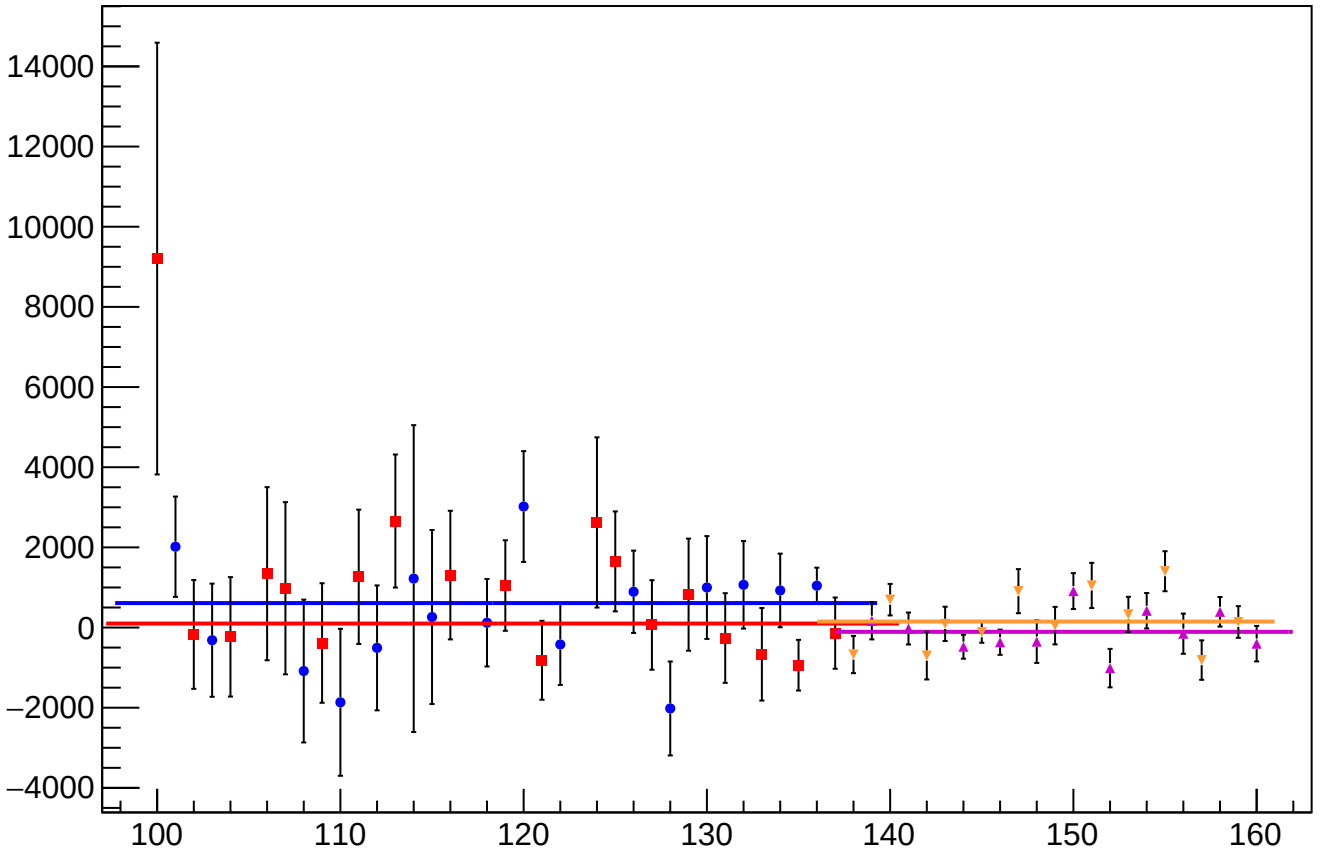
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.156+/-0.013 χ^2/NDF:274780.0/10

+ sign 61.272+/-0.011 χ^2/NDF: 1251247.5/27

All: 61.411+/-0.008 χ^2/NDF: 2720682.9/57

- 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: 149.421+/-124.509 χ^2/NDF:22.9/11

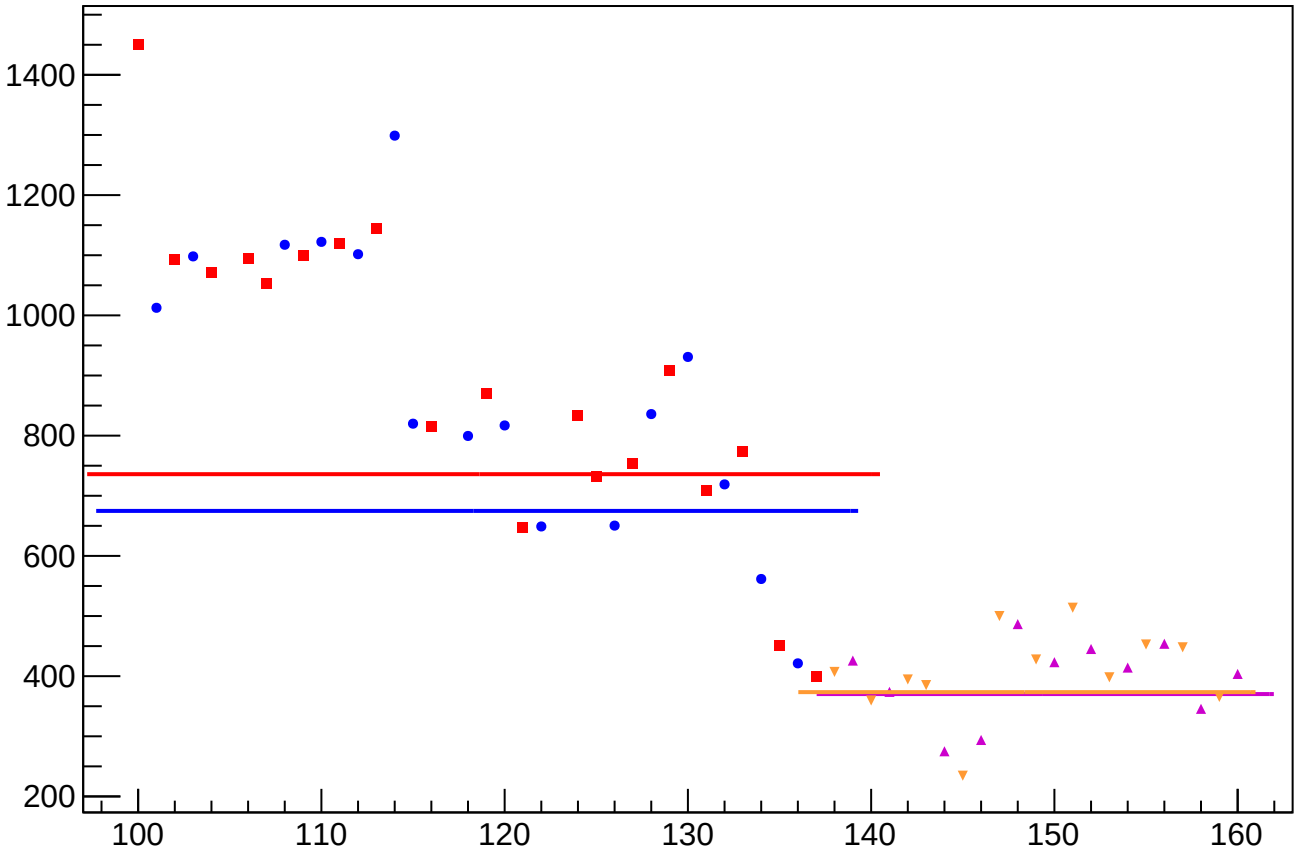
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -106.856+/-122.575 χ^2/NDF:15.2/10

+ sign 231.887+/-112.828 χ^2/NDF: 41.1/27

All: 78.321+/-79.698 χ^2/NDF: 75.6/57

- 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: 373.461+/-0.088 χ^2/NDF:932419.5/11

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

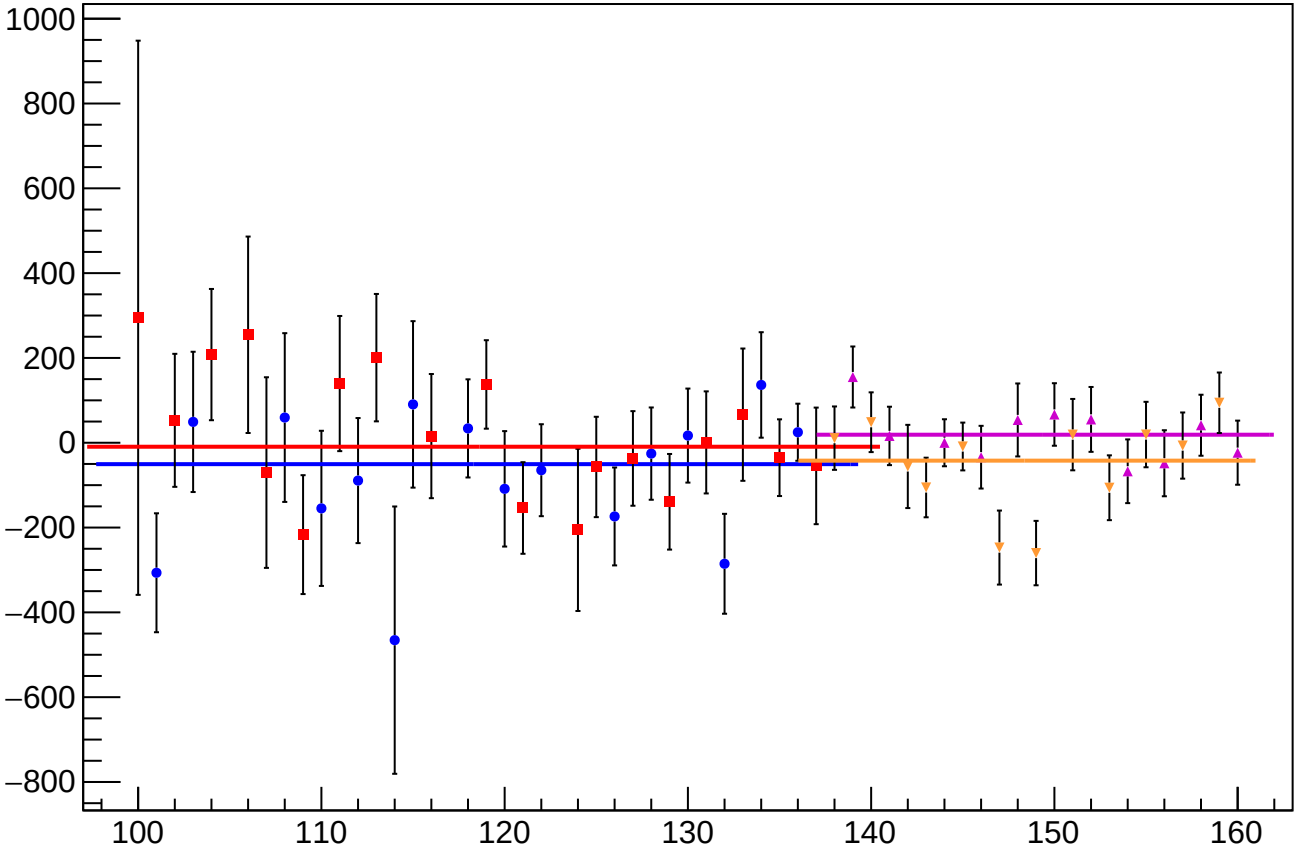
Left In: 370.252+/-0.087 χ^2/NDF:616330.4/10

+ sign 427.357+/-0.080 χ^2/NDF: 4645501.1/27

All: 427.373+/-0.056 χ^2/NDF: 9540050.9/57

- 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: -42.195+/-21.580 χ^2/NDF:22.8/11

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

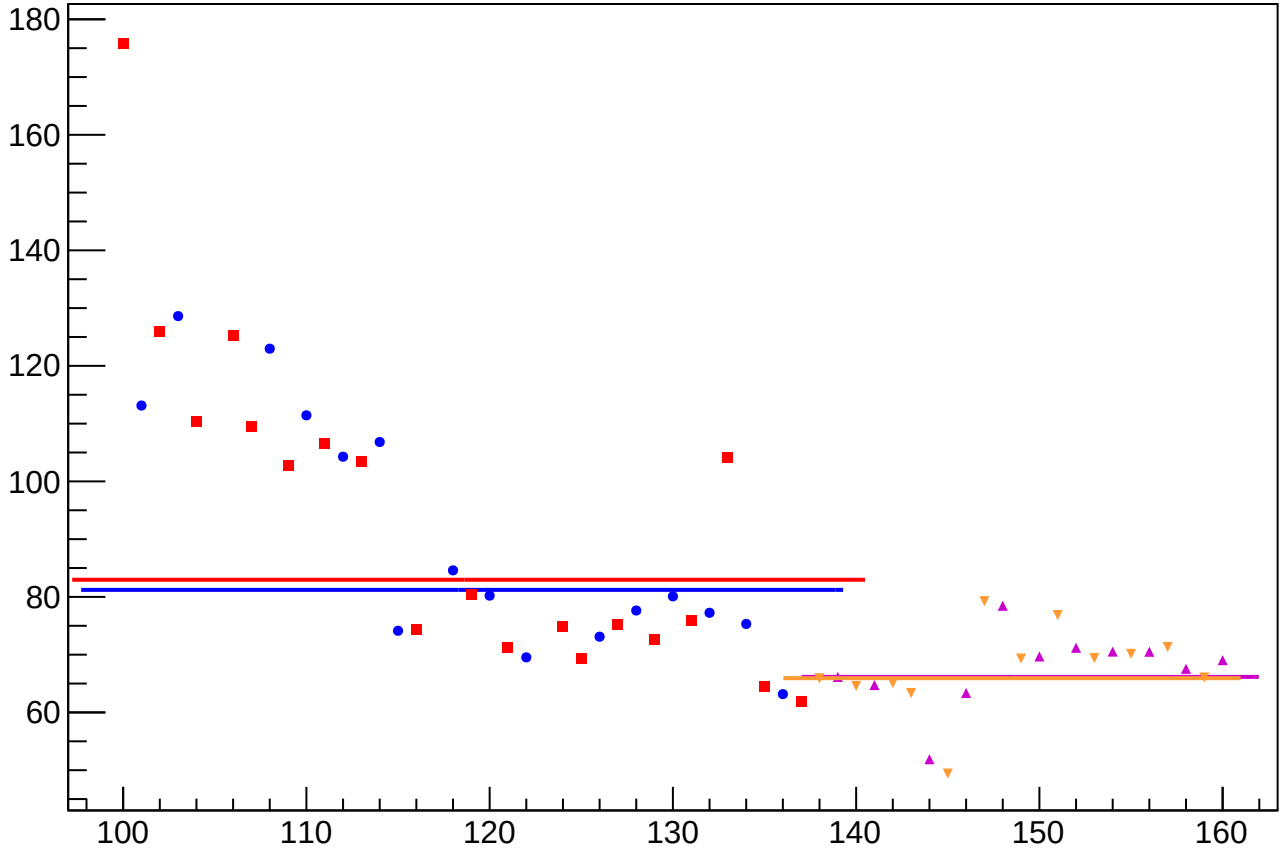
Left In: 18.957+/-21.756 χ^2/NDF:7.5/10

+ sign -44.888+/-17.723 χ^2/NDF: 39.3/27

All: -17.792+/-12.577 χ^2/NDF: 67.6/57

- 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: 65.933+/-0.015 χ^2/NDF:279339.2/11

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

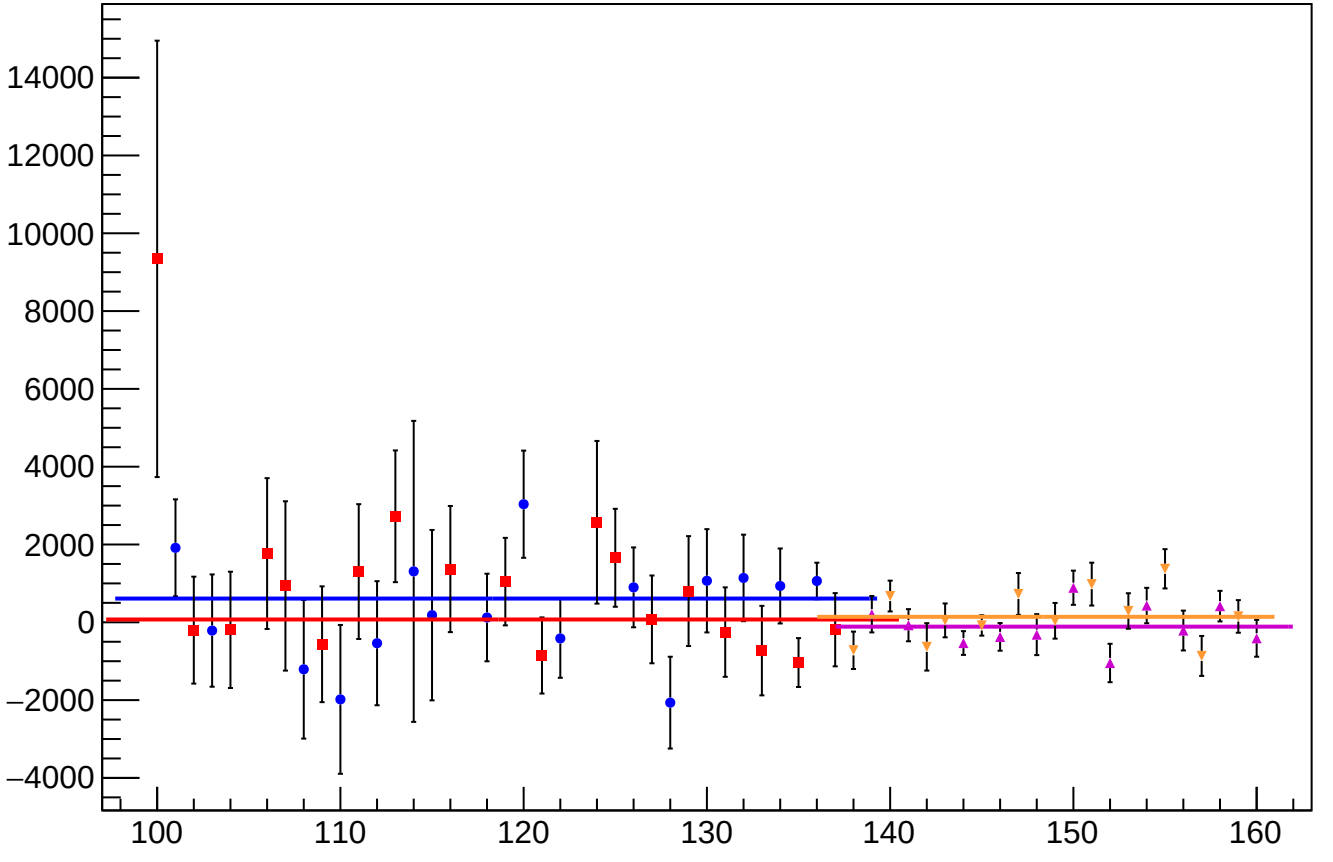
Left In: 66.155+/-0.015 χ^2/NDF:206902.5/10

+ sign 70.909+/-0.013 χ^2/NDF: 1268836.5/27

All: 71.276+/-0.009 χ^2/NDF: 2598176.5/57

- 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: 141.139+/-126.086 χ^2/NDF:20.9/11

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

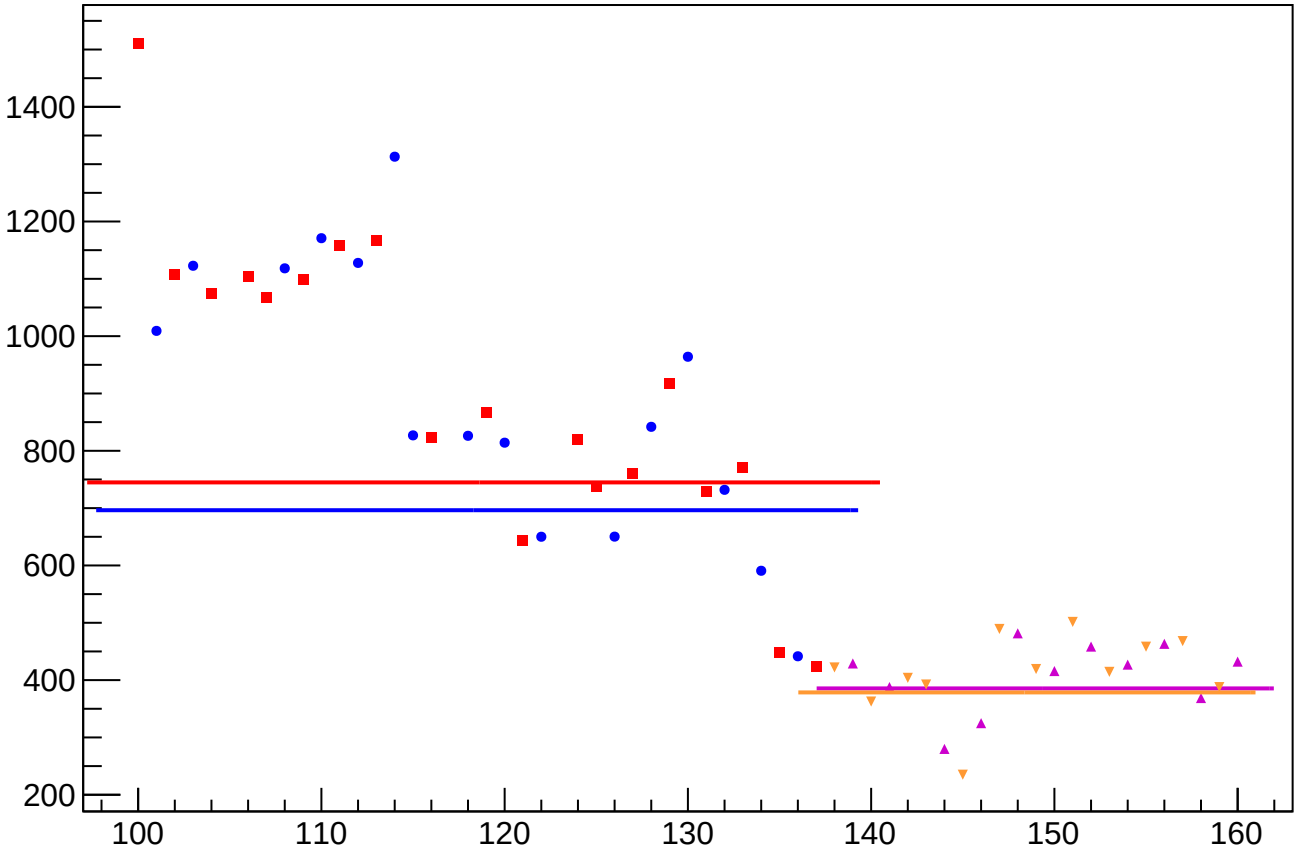
Left In: -111.591+/-127.484 χ^2/NDF:15.5/10

+ sign 223.148+/-114.539 χ^2/NDF: 39.1/27

All: 73.525+/-81.674 χ^2/NDF: 74.6/57

- 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: 378.539+/-0.089 χ^2/NDF:948048.7/11

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

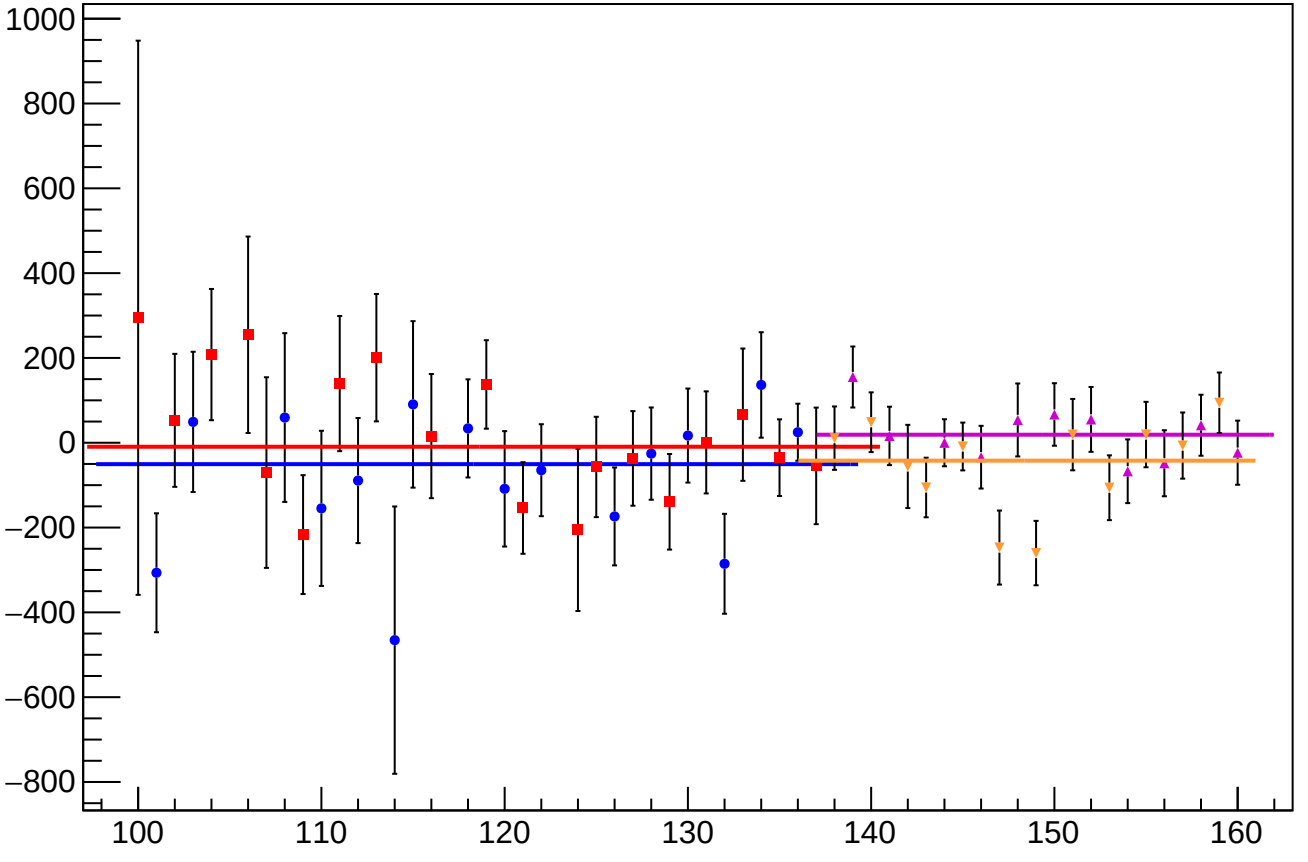
Left In: 385.513+/-0.090 χ^2/NDF:520292.9/10

+ sign 434.086+/-0.081 χ^2/NDF: 4684571.2/27

All: 439.348+/-0.058 χ^2/NDF: 9333341.1/57

- 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: -42.195+/-21.580 χ^2/NDF:22.8/11

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

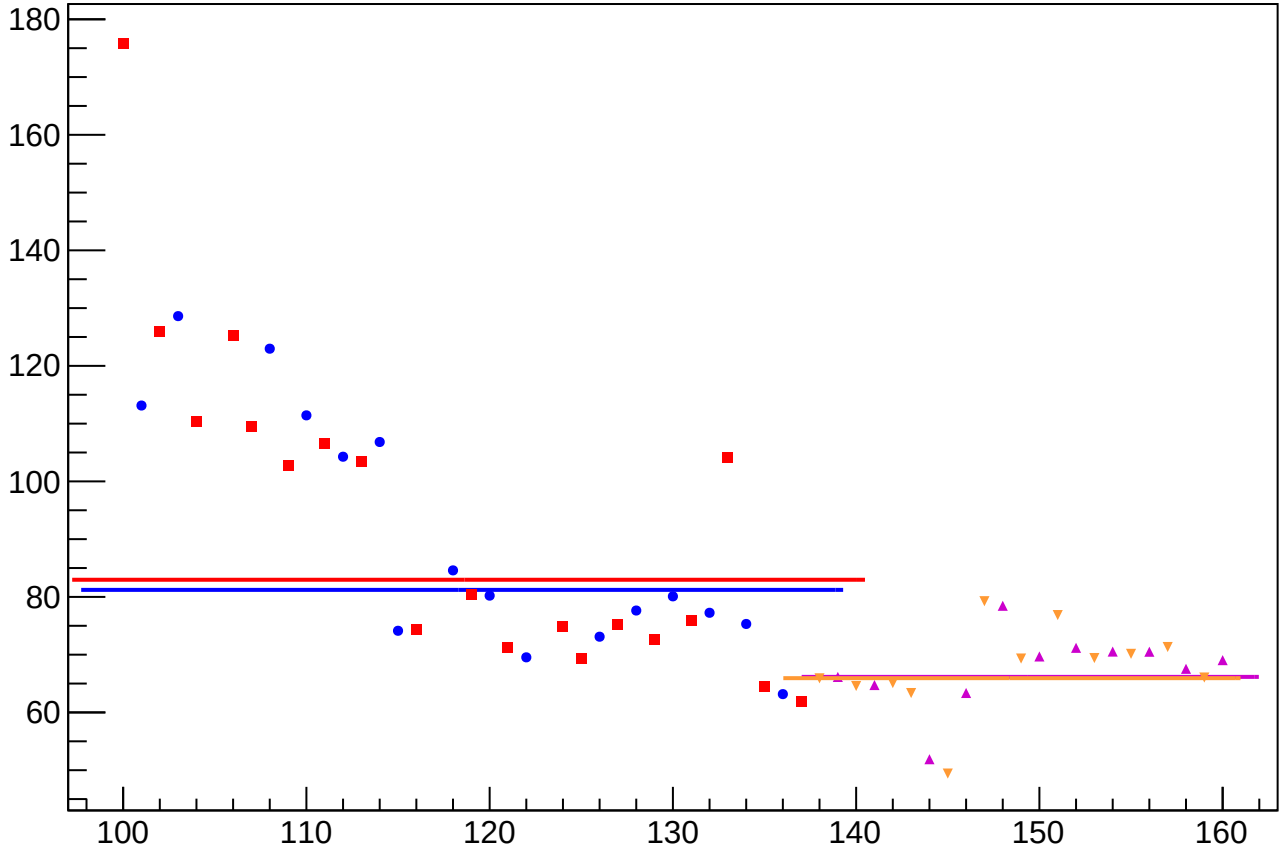
Left In: 18.956+/-21.756 χ^2/NDF:7.5/10

+ sign -44.888+/-17.723 χ^2/NDF: 39.3/27

All: -17.793+/-12.577 χ^2/NDF: 67.6/57

- 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: 65.934+/-0.015 χ^2/NDF:279334.1/11

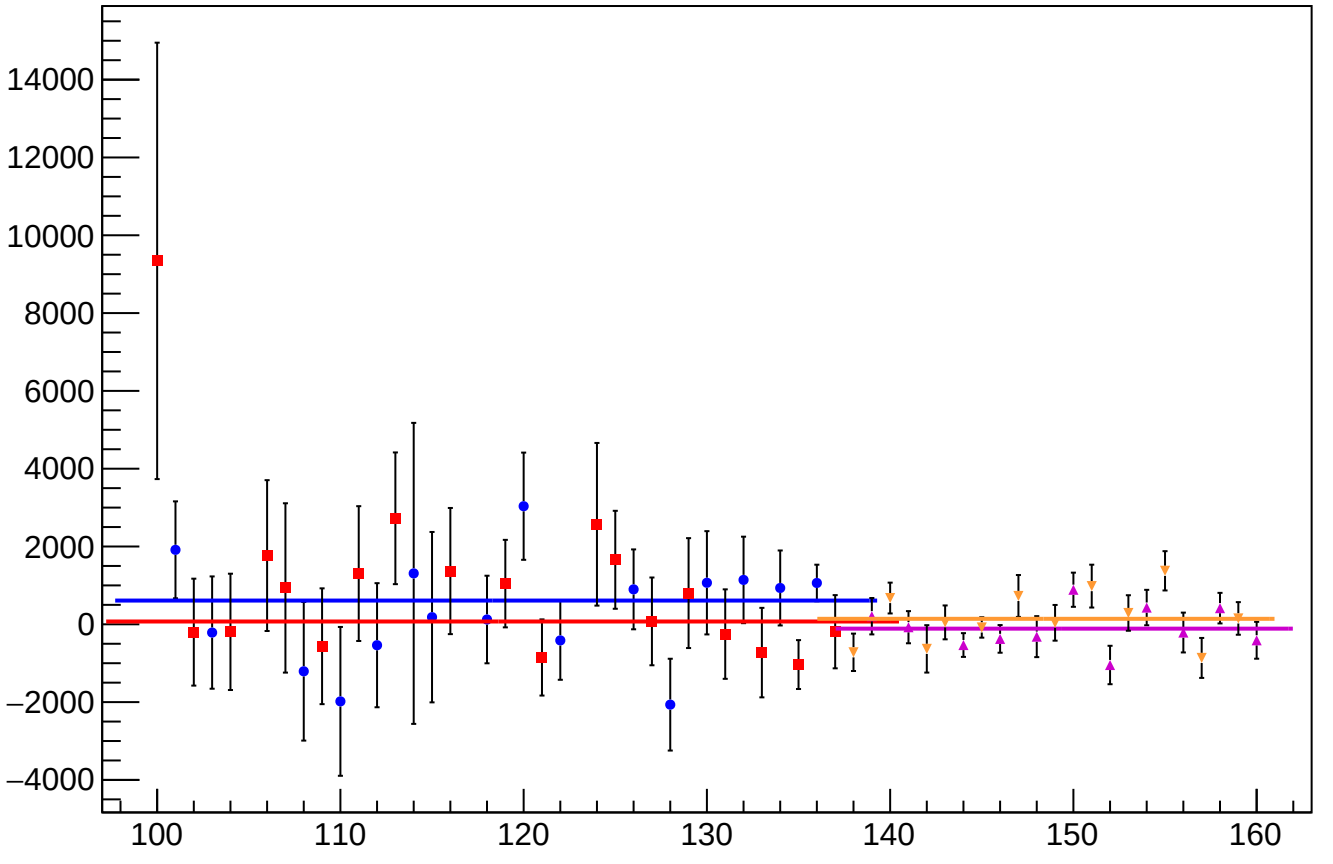
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 66.155+/-0.015 χ^2/NDF:206900.3/10

+ sign 70.909+/-0.013 χ^2/NDF: 1268792.8/27

All: 71.276+/-0.009 χ^2/NDF: 2598100.7/57

- 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: 141.139+/-126.086 χ^2/NDF:20.9/11

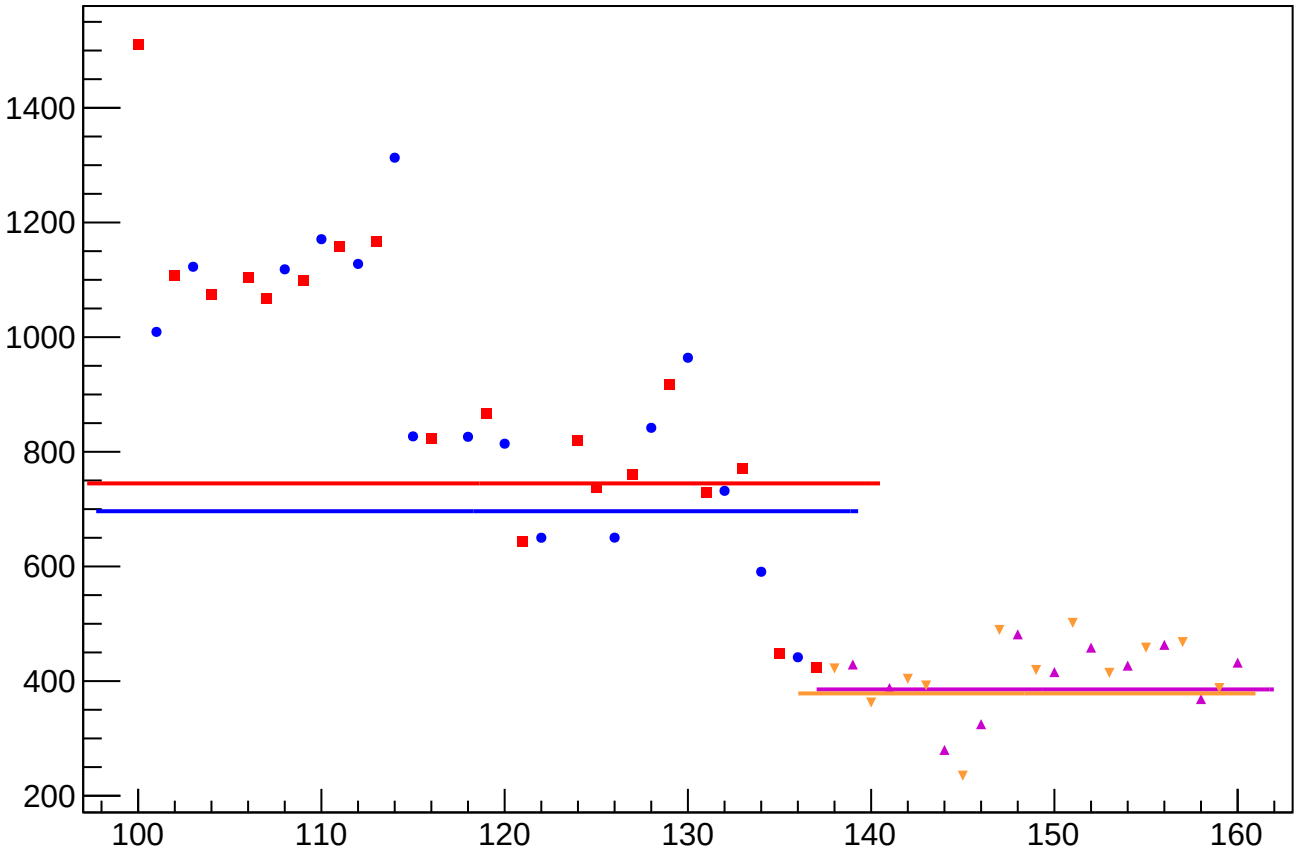
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -111.591+/-127.484 χ^2/NDF:15.5/10

+ sign 223.148+/-114.539 χ^2/NDF: 39.1/27

All: 73.524+/-81.674 χ^2/NDF: 74.6/57

- 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: 378.539+/-0.089 χ^2/NDF:948069.5/11

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

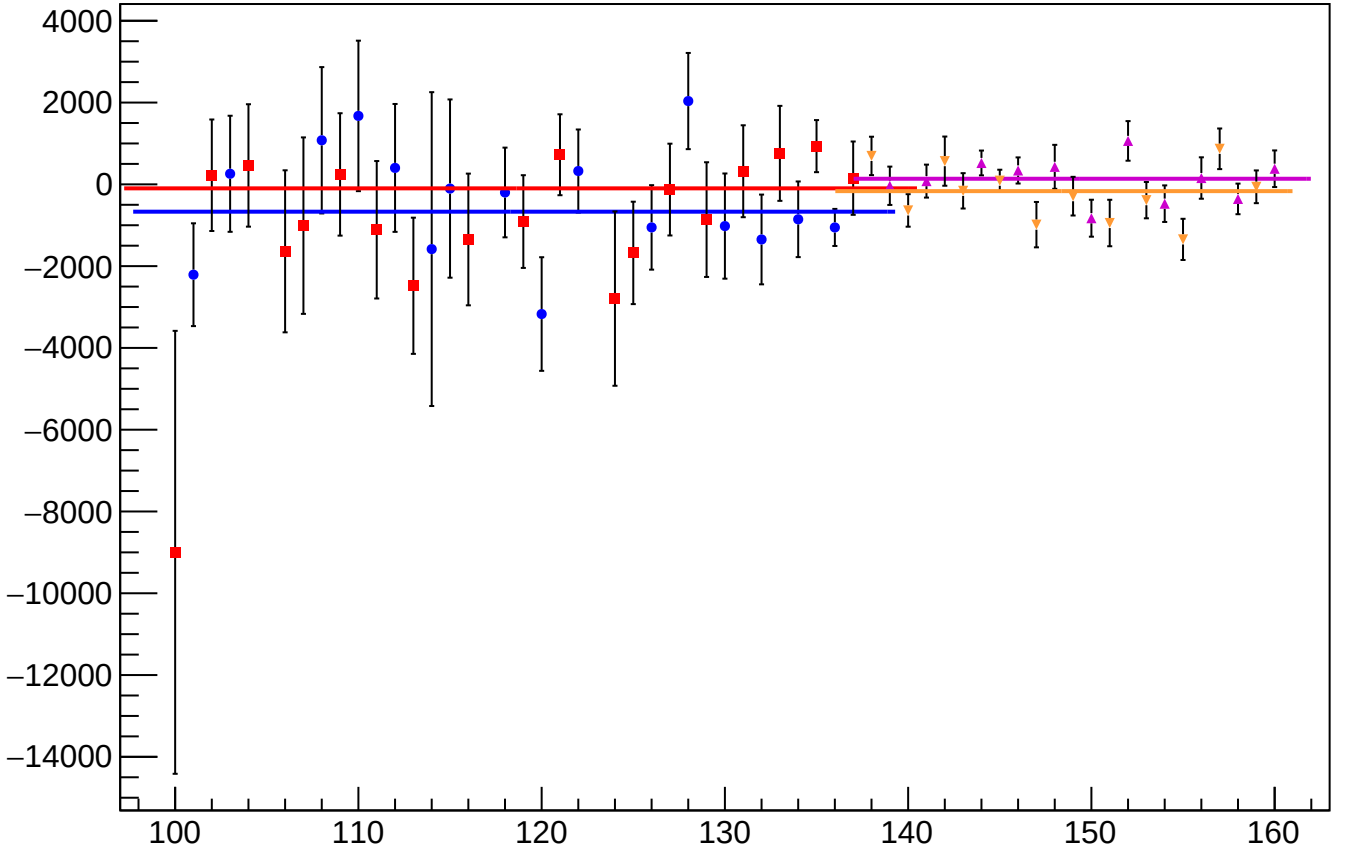
Left In: 385.513+/-0.090 χ^2/NDF:520301.1/10

+ sign 434.086+/-0.081 χ^2/NDF: 4684571.0/27

All: 439.348+/-0.058 χ^2/NDF: 9333326.3/57

- 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: -165.916+/-125.975 χ^2/NDF:21.4/11

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

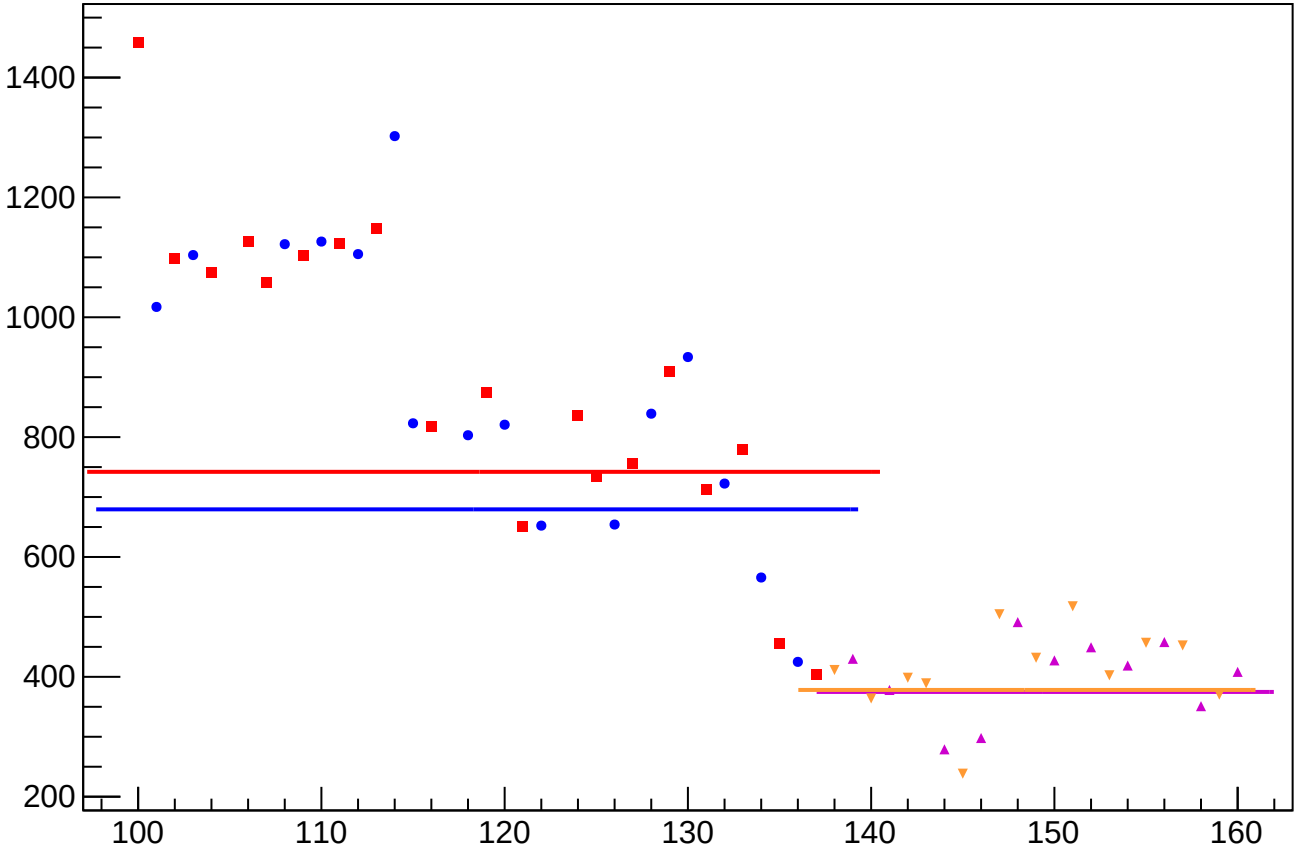
Left In: 136.830+/-124.029 χ^2/NDF:14.6/10

+ sign -256.617+/-114.042 χ^2/NDF: 40.5/27

All: -78.086+/-80.548 χ^2/NDF: 75.3/57

- 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: 378.121+/-0.089 χ^2/NDF:910298.1/11

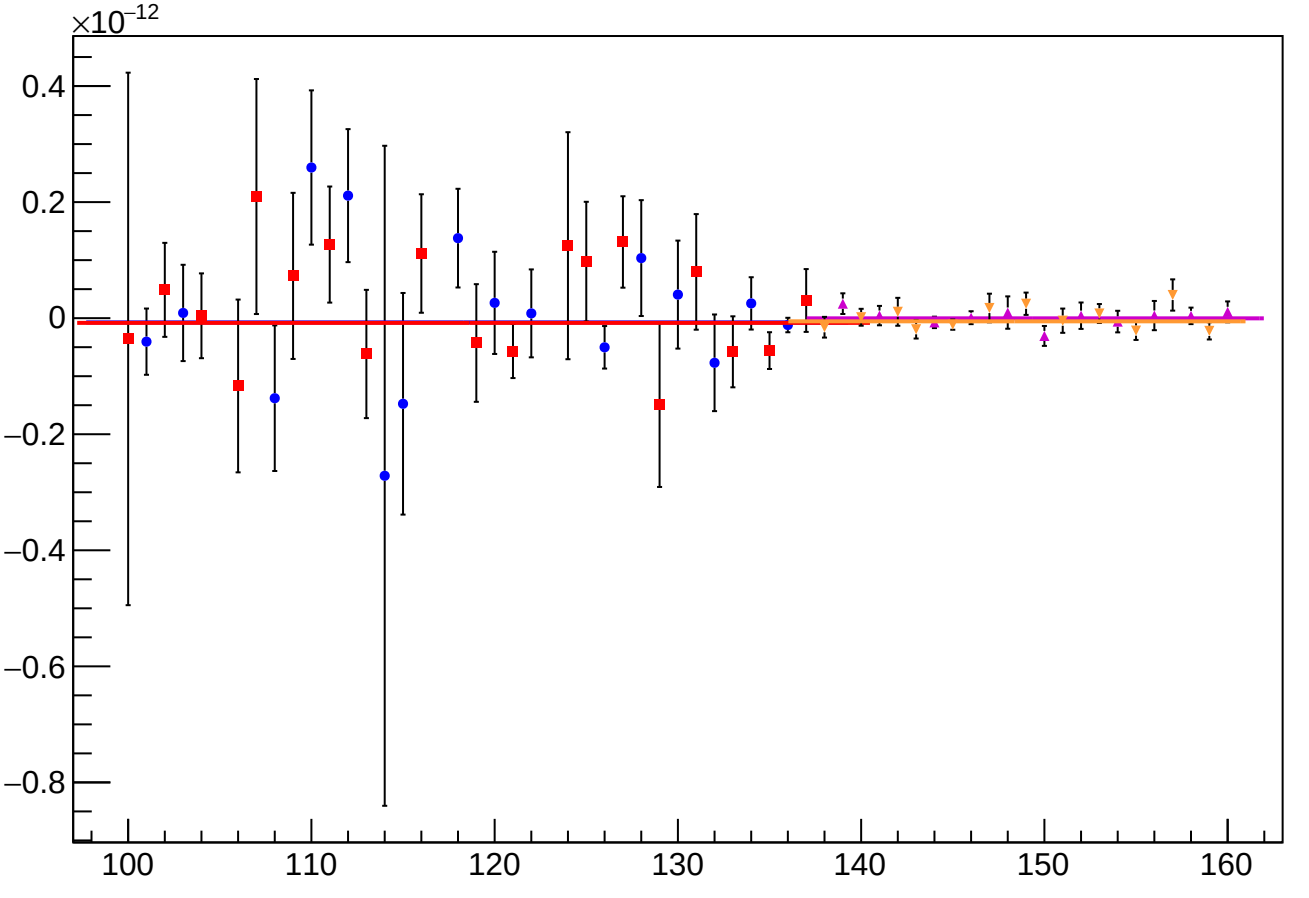
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 374.814+/-0.088 χ^2/NDF:604058.3/10

+ sign 432.504+/-0.081 χ^2/NDF: 4576591.4/27

All: 432.749+/-0.057 χ^2/NDF: 9462990.9/57

- 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:11.3/11

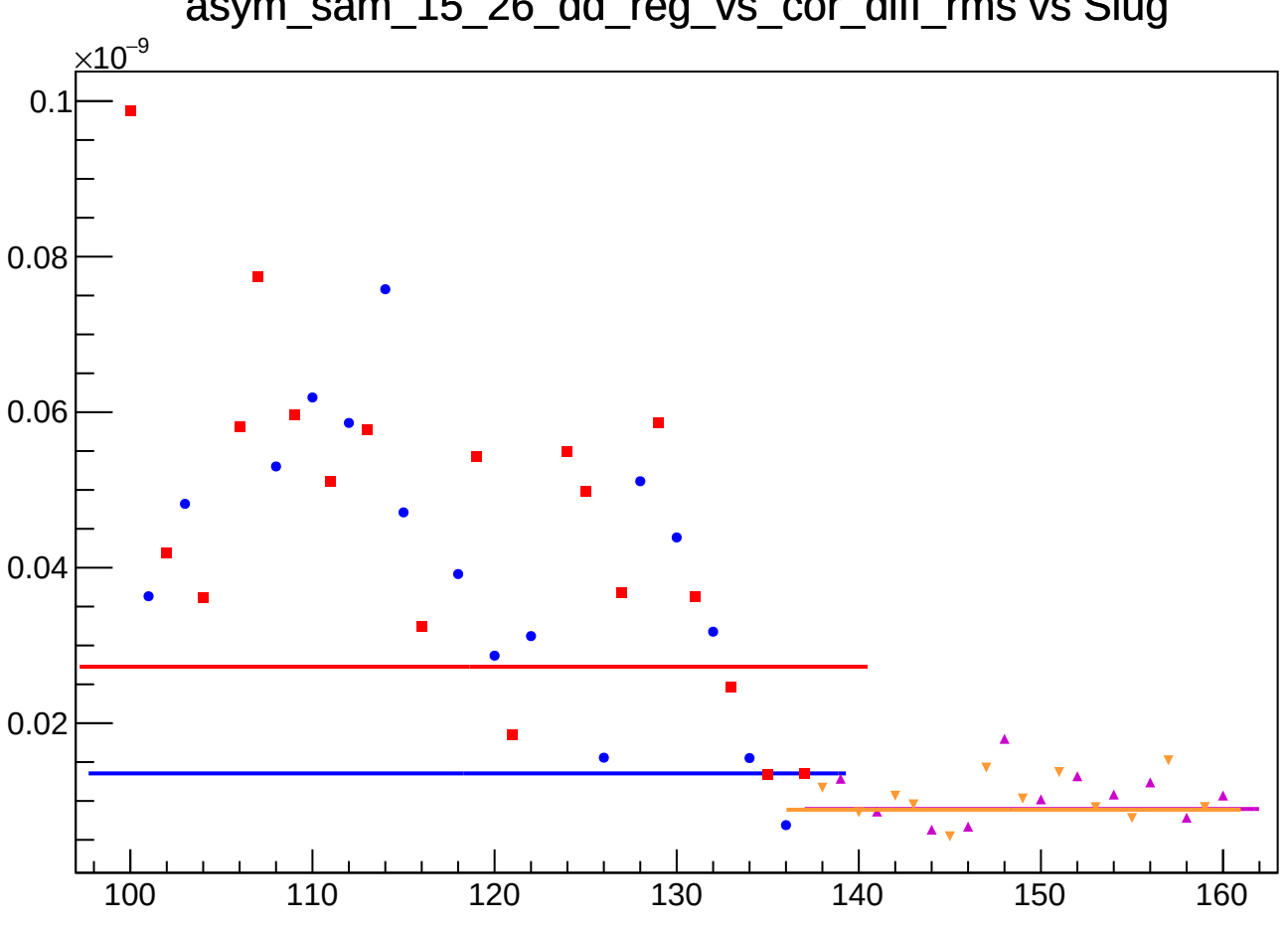
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 28.5/27

All: -0.000+/-0.000 χ^2/NDF: 52.8/57

- 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:706627.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

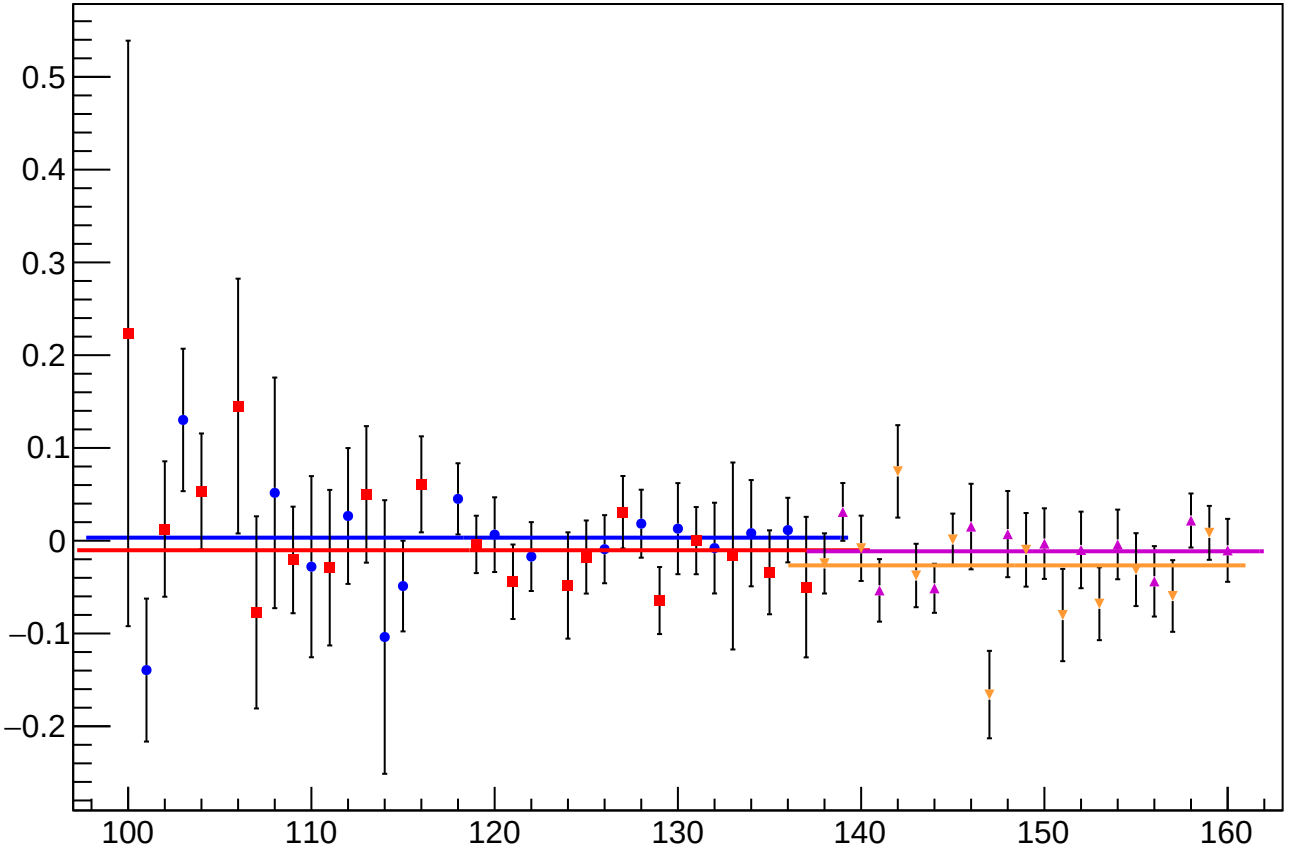
Left In: 0.000+/-0.000 χ^2/NDF:700739.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 4085301.6/27

All: 0.000+/-0.000 χ^2/NDF: 8615927.8/57

- 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: -0.027+/-0.011 χ^2/NDF:18.9/11

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

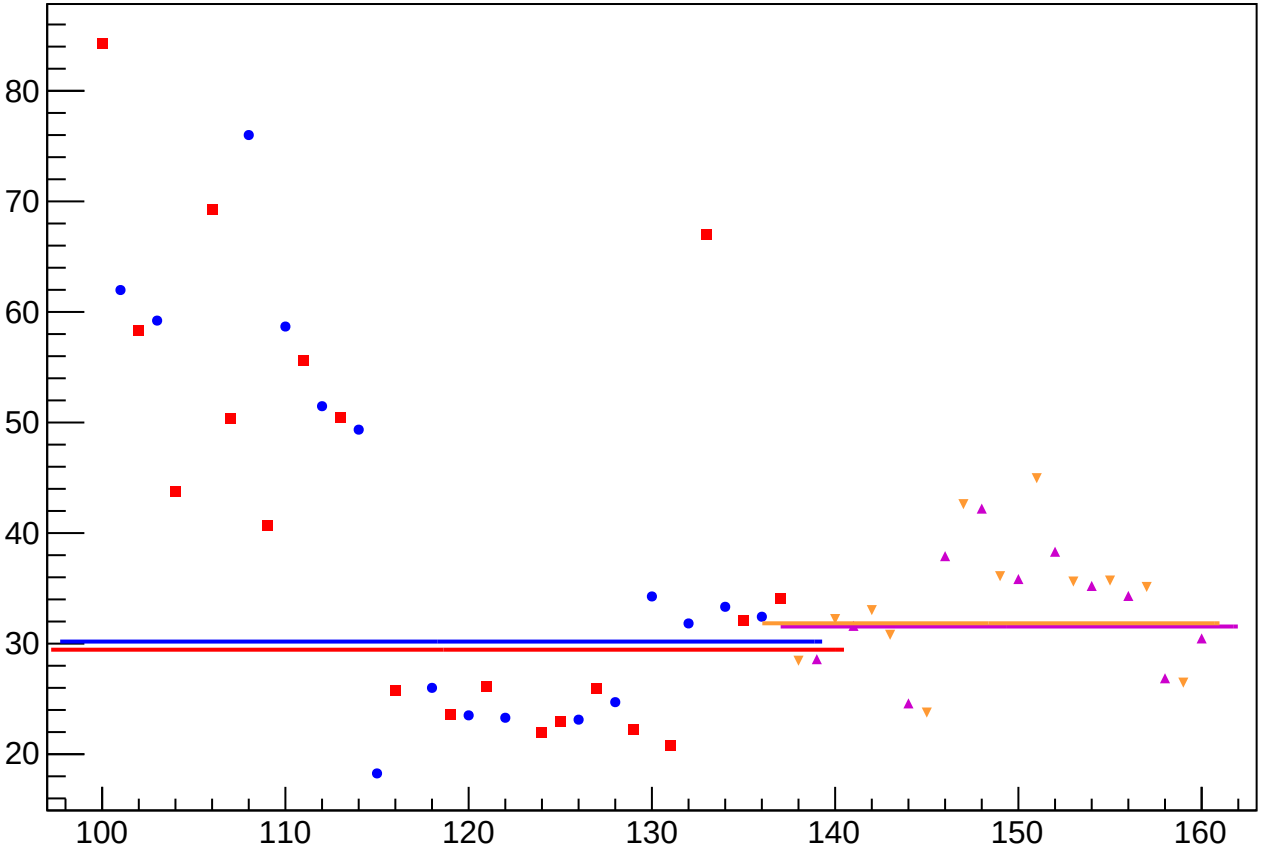
Left In: -0.011+/-0.011 χ^2/NDF:8.3/10

+ sign -0.014+/-0.008 χ^2/NDF: 32.4/27

All: -0.012+/-0.006 χ^2/NDF: 52.0/57

- 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: 31.839+/-0.007 χ^2/NDF:579182.4/11

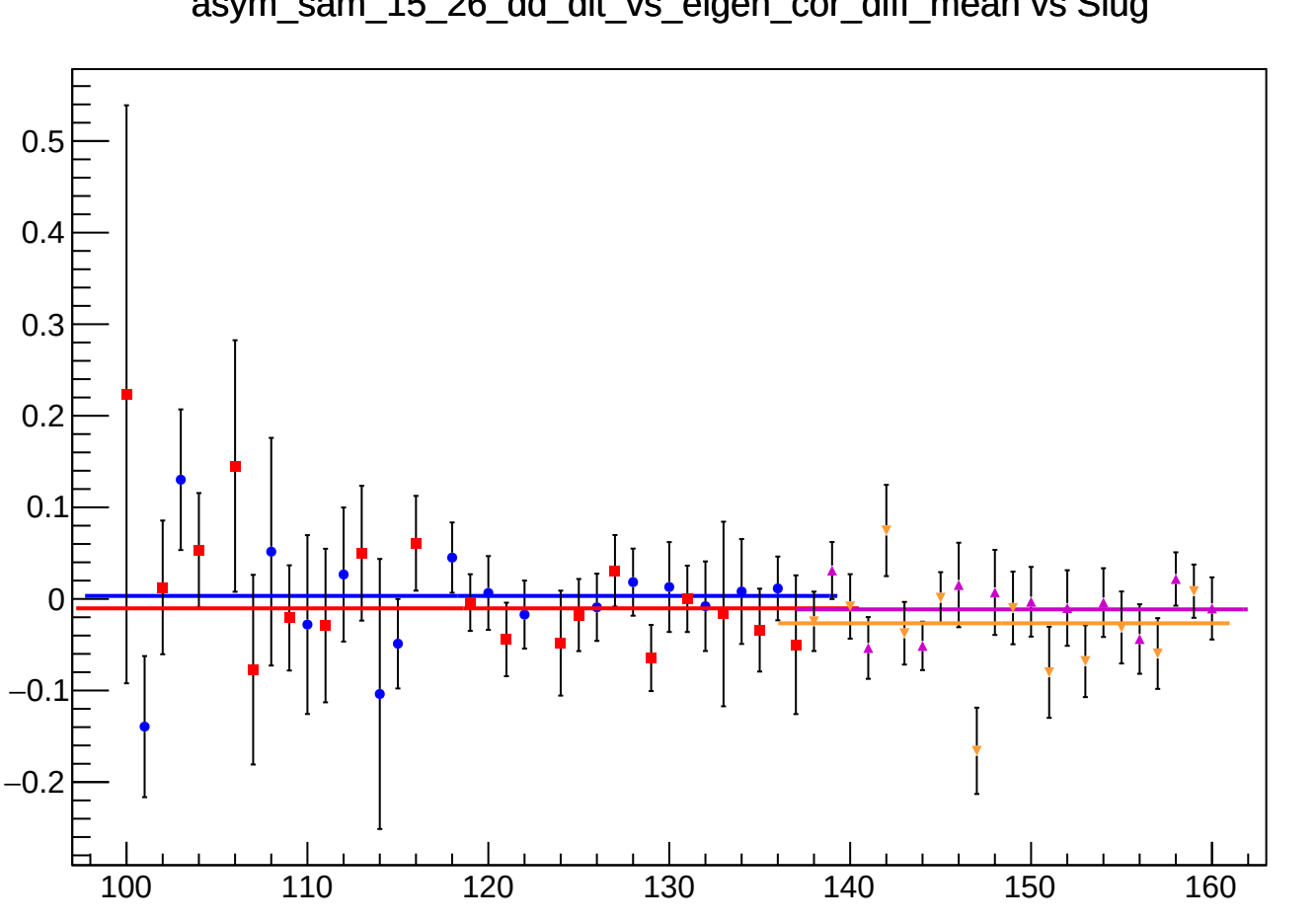
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.549+/-0.007 χ^2/NDF:462408.9/10

+ sign 31.136+/-0.006 χ^2/NDF: 2287350.7/27

All: 30.873+/-0.004 χ^2/NDF: 4637715.2/57

- 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: -0.027+/-0.011 χ^2/NDF:18.9/11

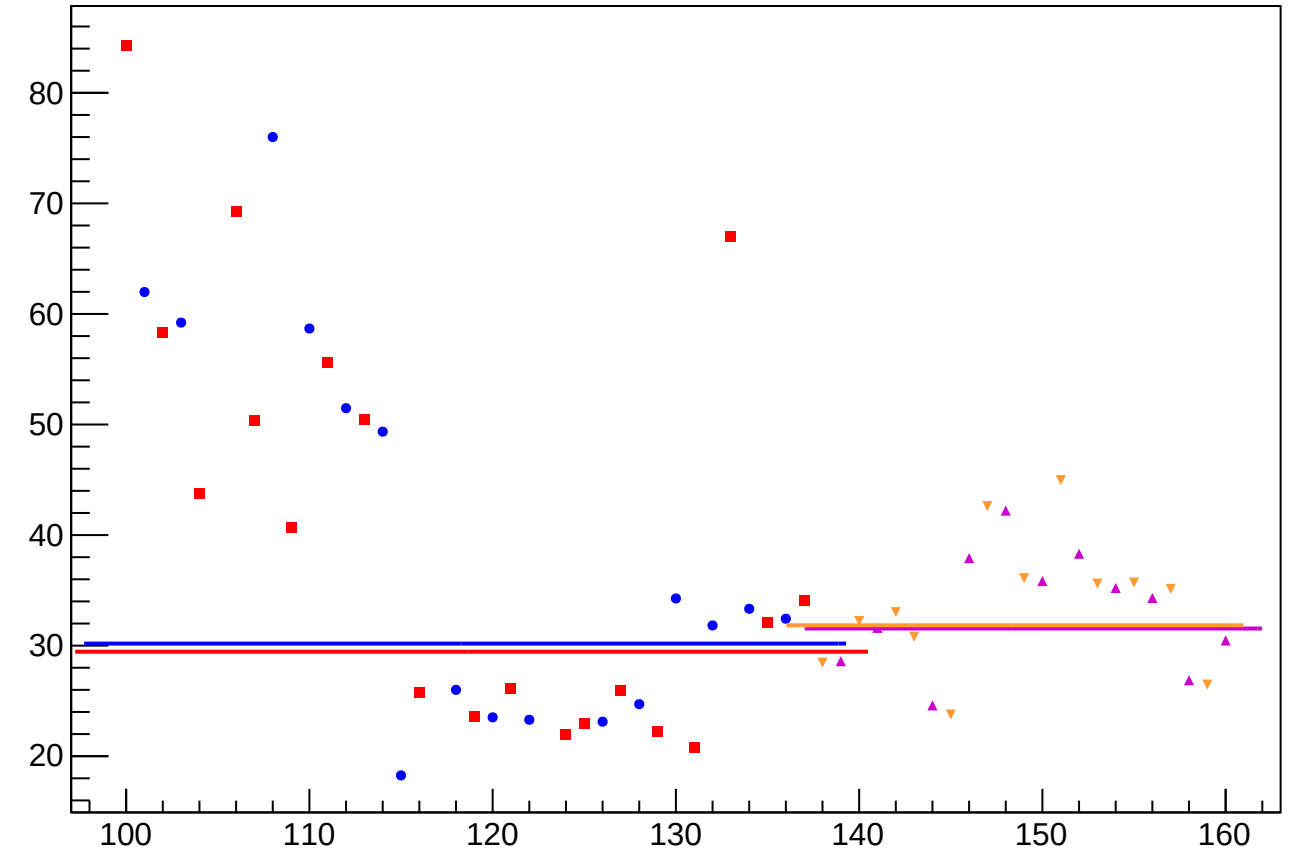
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.011+/-0.011 χ^2/NDF:8.3/10

+ sign -0.014+/-0.008 χ^2/NDF: 32.4/27

All: -0.012+/-0.006 χ^2/NDF: 52.0/57

- 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: 31.839+/-0.007 χ^2/NDF:579182.4/11

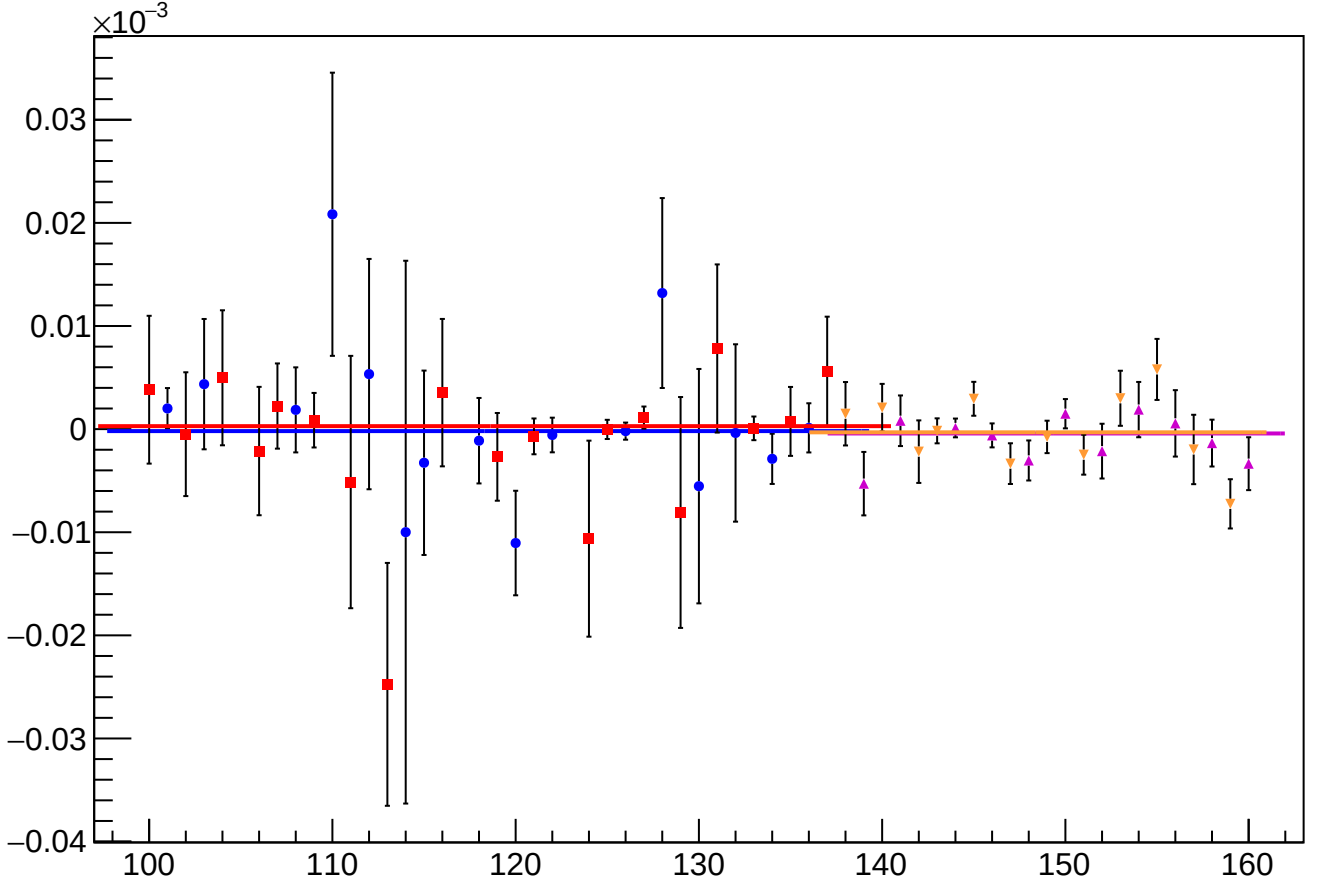
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.549+/-0.007 χ^2/NDF:462408.9/10

+ sign 31.136+/-0.006 χ^2/NDF: 2287350.7/27

All: 30.873+/-0.004 χ^2/NDF: 4637715.2/57

- 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:23.9/11

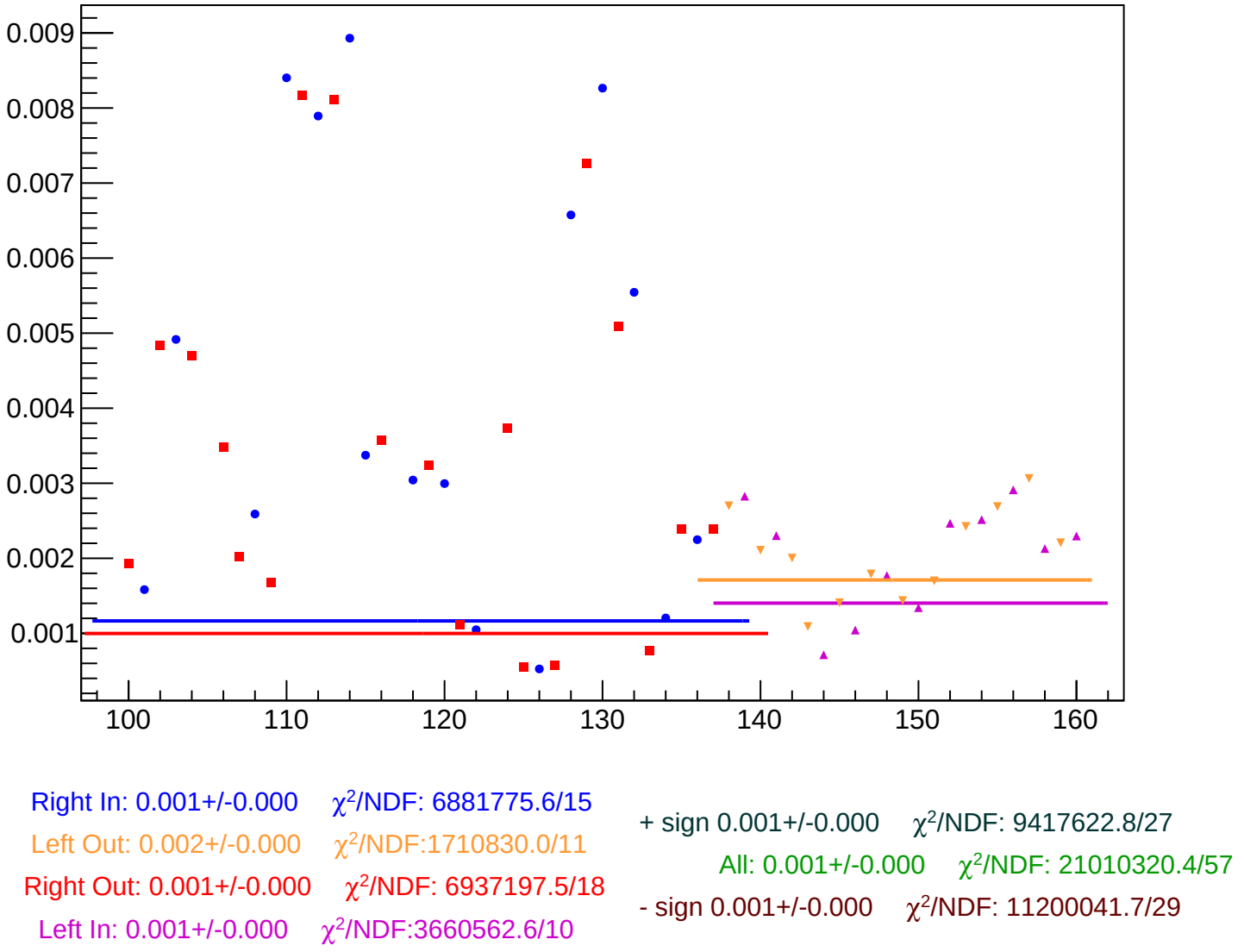
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

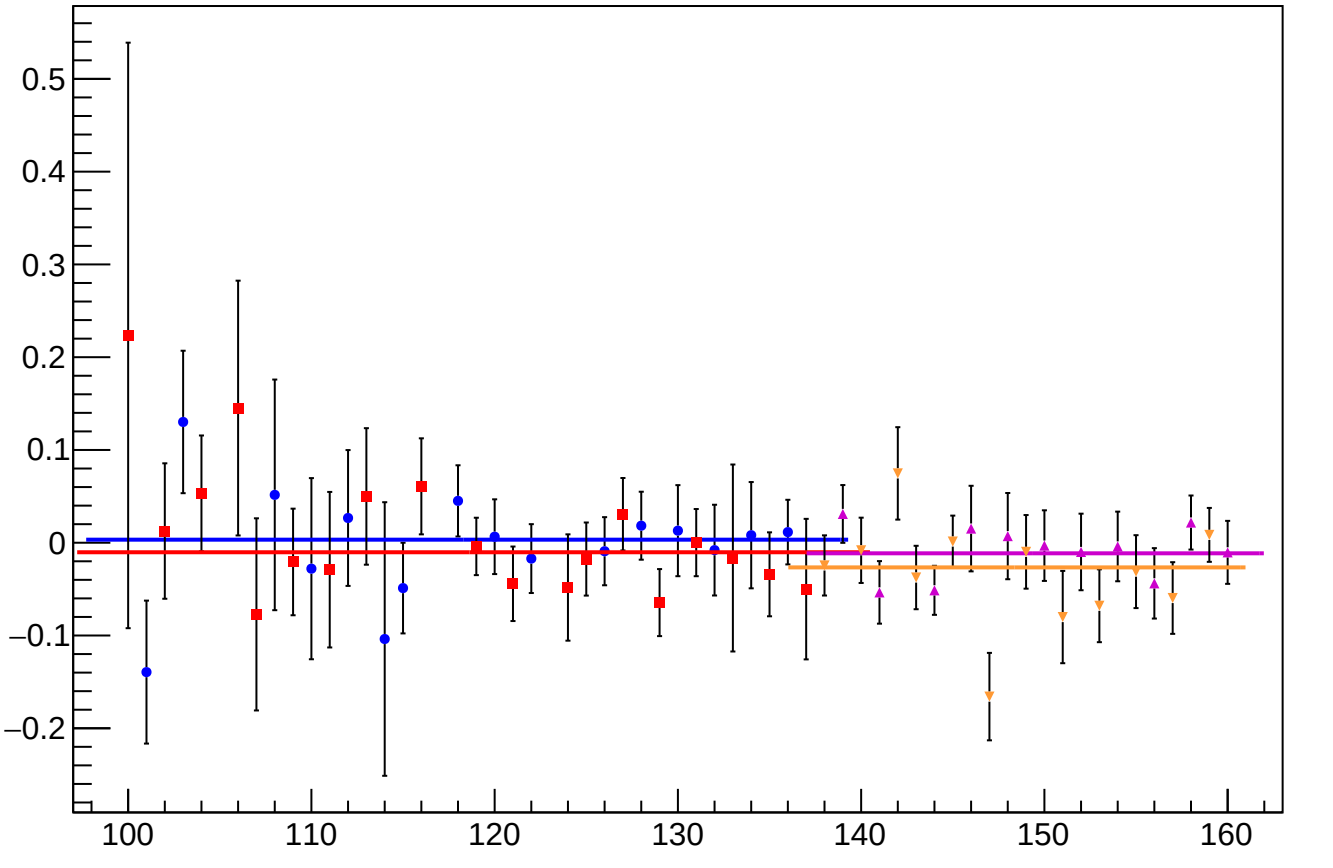
Left In: -0.000+/-0.000 χ^2/NDF:9.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 37.0/27

All: -0.000+/-0.000 χ^2/NDF: 59.0/57

- 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:1710830.0/11
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: 9417622.8/27
All: 0.001+/-0.000 χ²/NDF: 21010320.4/57
- sign 0.001+/-0.000 χ²/NDF: 11200041.7/29



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.027+/-0.011 χ^2/NDF:18.9/11

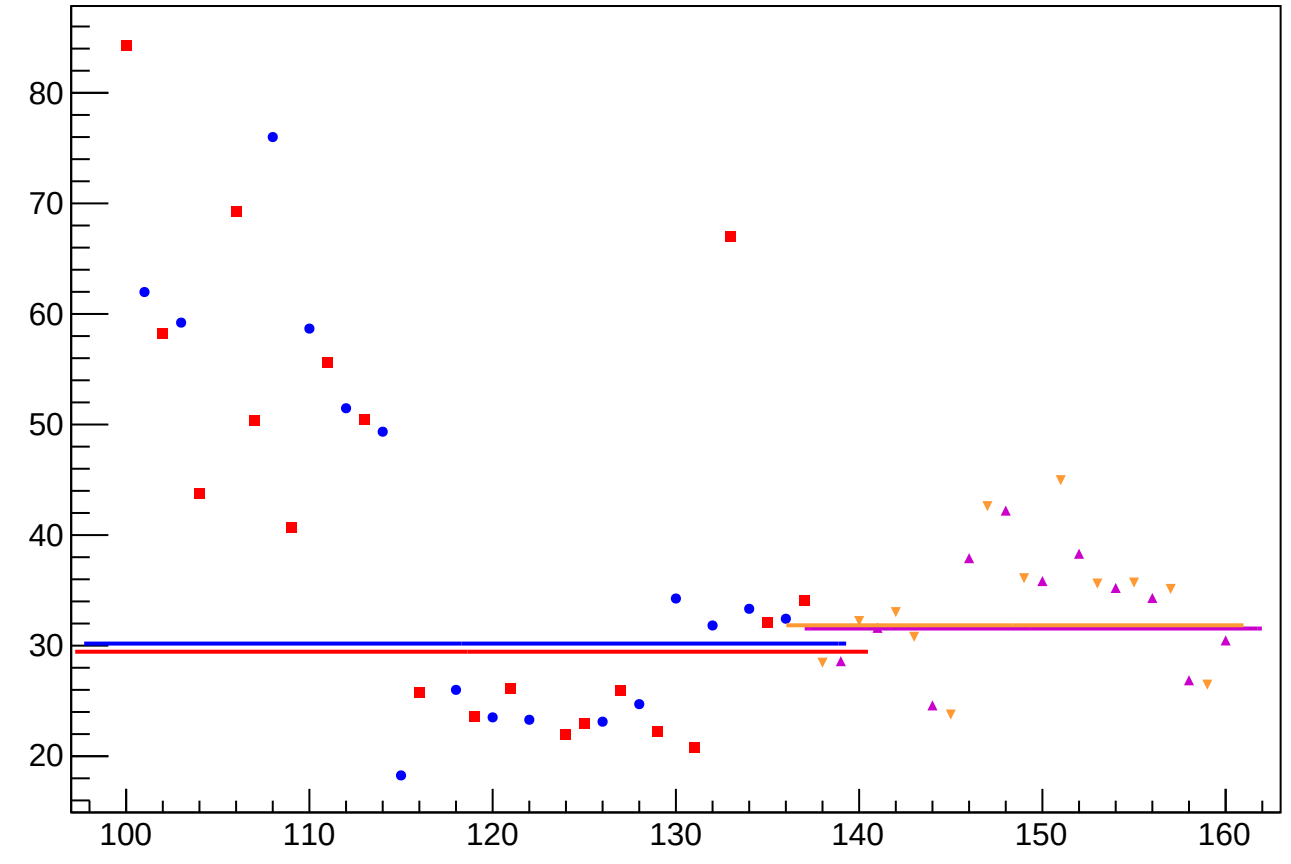
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.011+/-0.011 χ^2/NDF:8.3/10

+ sign -0.014+/-0.008 χ^2/NDF: 32.4/27

All: -0.012+/-0.006 χ^2/NDF: 52.0/57

- 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: 31.840+/-0.007 χ^2/NDF:579153.2/11

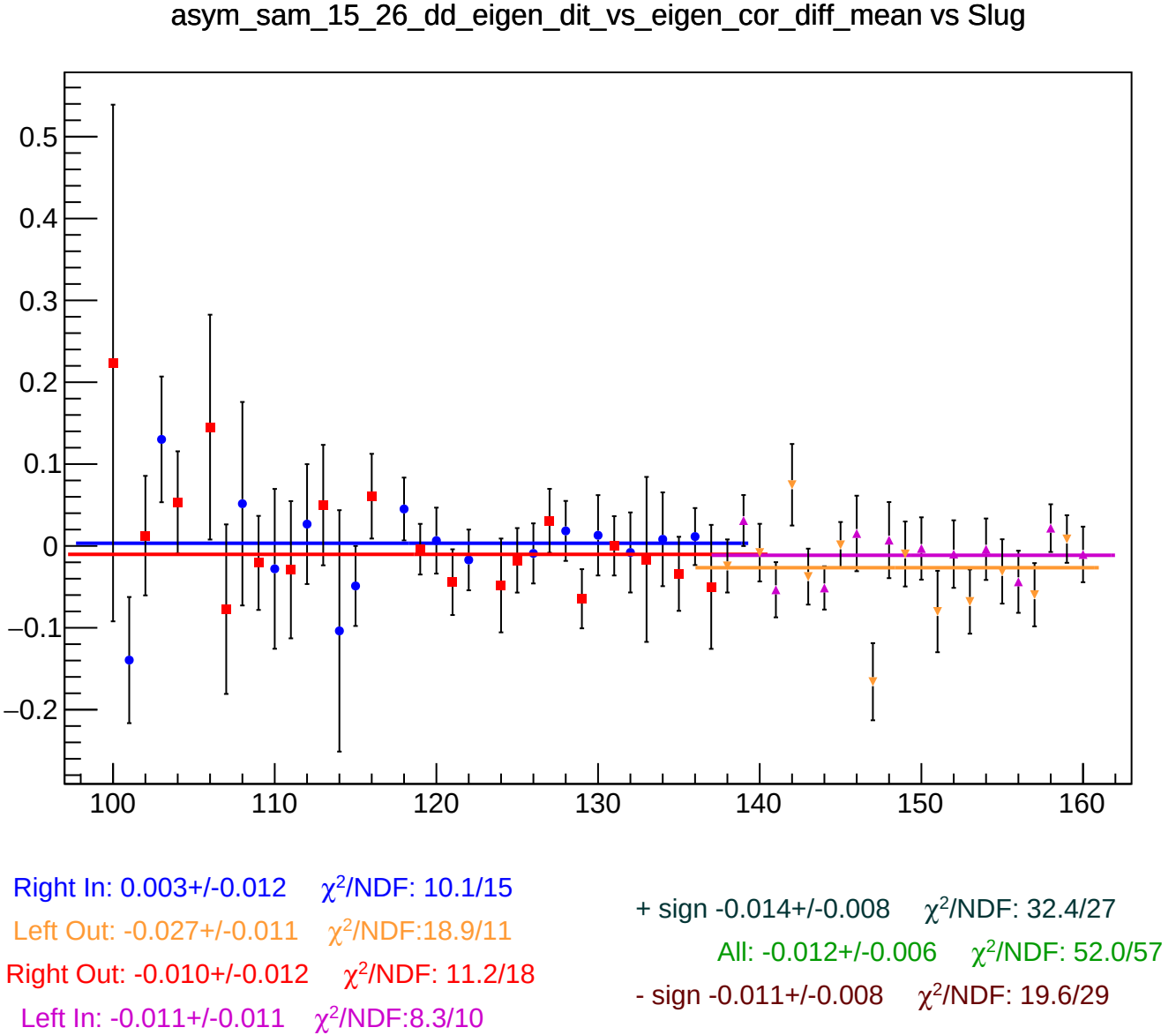
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

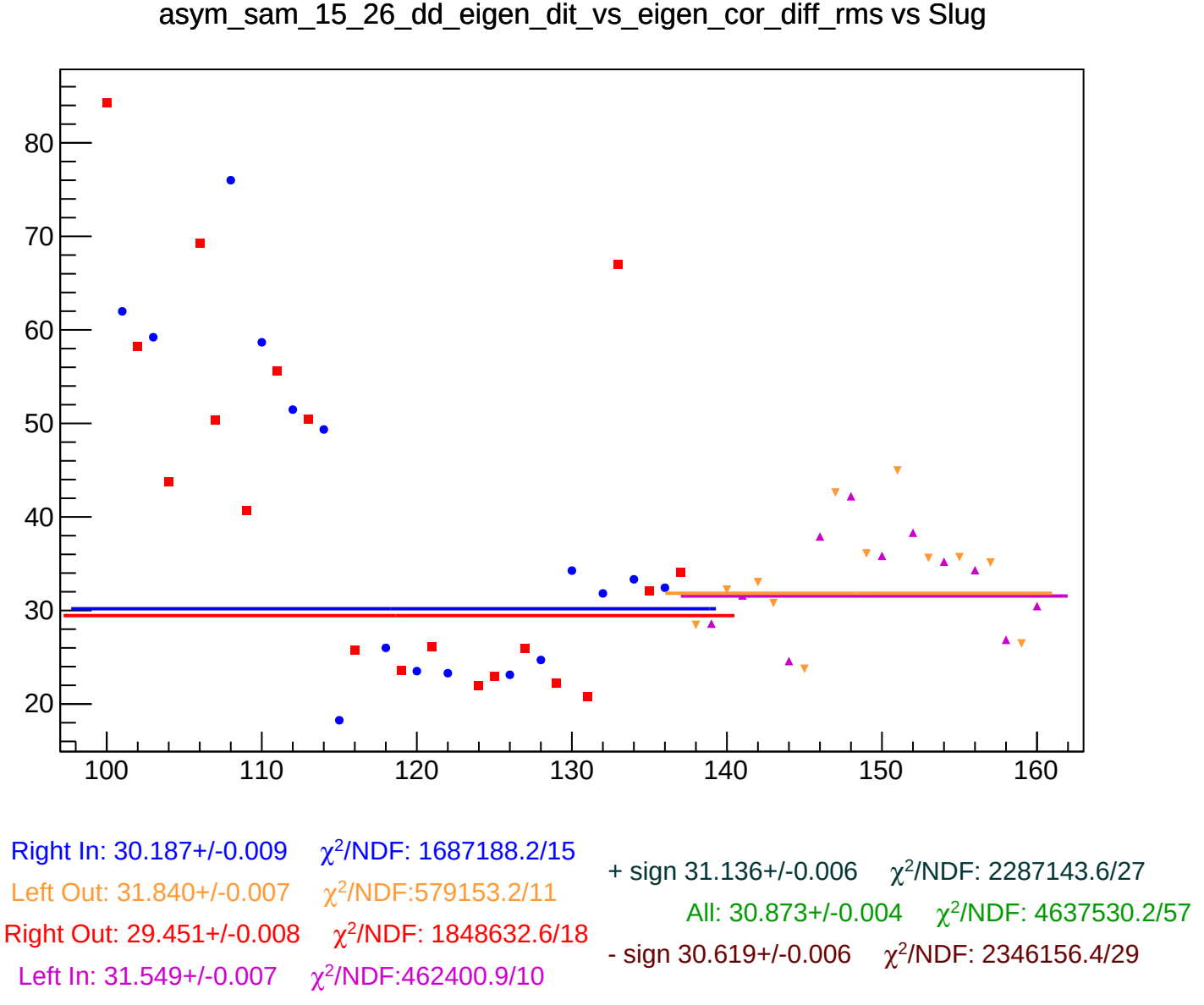
Left In: 31.549+/-0.007 χ^2/NDF:462400.9/10

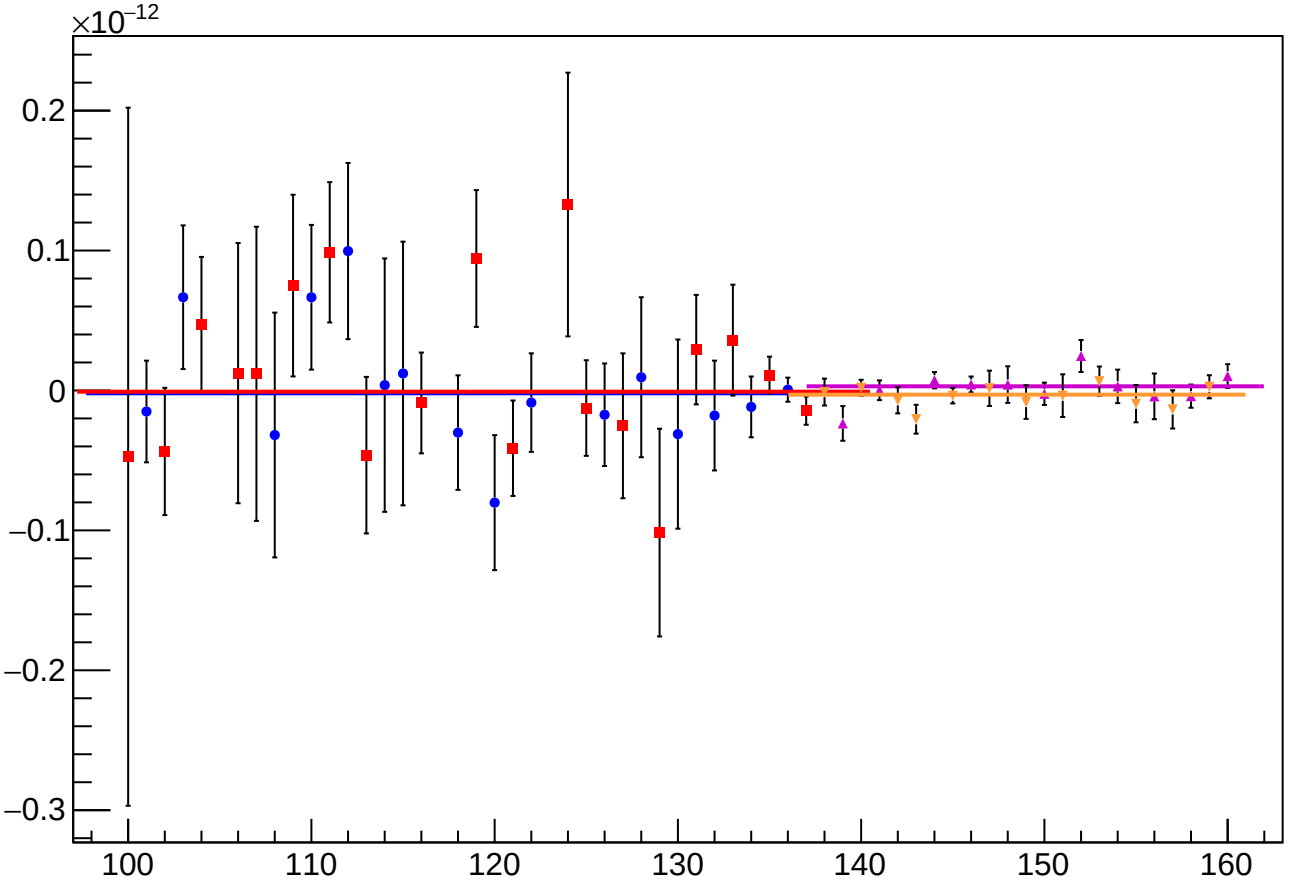
+ sign 31.136+/-0.006 χ^2/NDF: 2287143.6/27

All: 30.873+/-0.004 χ^2/NDF: 4637530.2/57

- 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: -0.027+/-0.011 χ²/NDF:18.9/11
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.011+/-0.011 χ²/NDF:8.3/10
+ sign -0.014+/-0.008 χ²/NDF: 32.4/27
All: -0.012+/-0.006 χ²/NDF: 52.0/57
- sign -0.011+/-0.008 χ²/NDF: 19.6/29


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 31.840+/-0.007 χ²/NDF:579153.2/11
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 31.549+/-0.007 χ²/NDF:462400.9/10
+ sign 31.136+/-0.006 χ²/NDF: 2287143.6/27
All: 30.873+/-0.004 χ²/NDF: 4637530.2/57
- sign 30.619+/-0.006 χ²/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:6.3/11

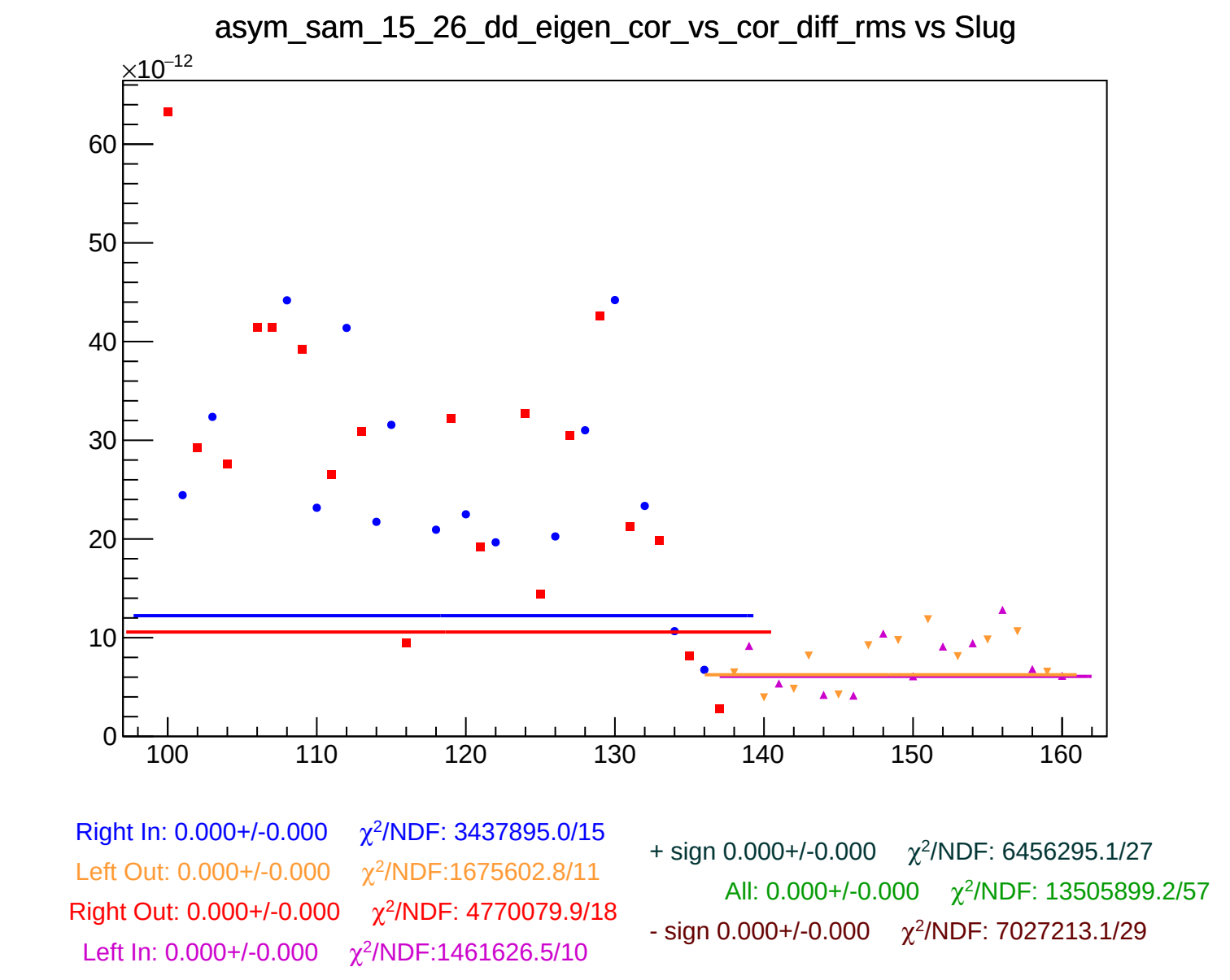
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/10

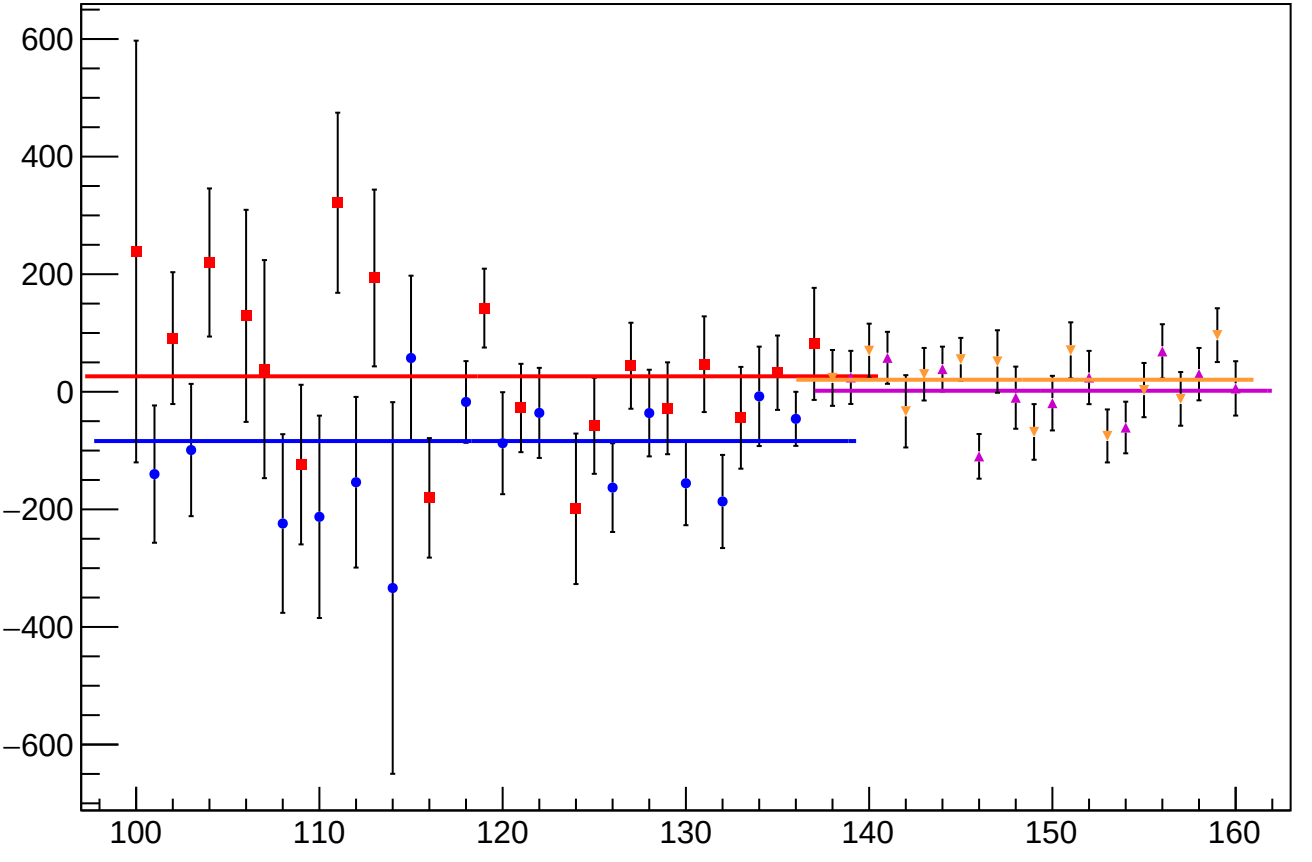
+ sign -0.000+/-0.000 χ^2/NDF: 16.8/27

All: -0.000+/-0.000 χ^2/NDF: 52.0/57

- sign 0.000+/-0.000 χ^2/NDF: 32.8/29


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1675602.8/11
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:1461626.5/10
+ sign 0.000+/-0.000 χ²/NDF: 6456295.1/27
All: 0.000+/-0.000 χ²/NDF: 13505899.2/57
- sign 0.000+/-0.000 χ²/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: 20.479+/-13.369 χ^2/NDF:15.7/11

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

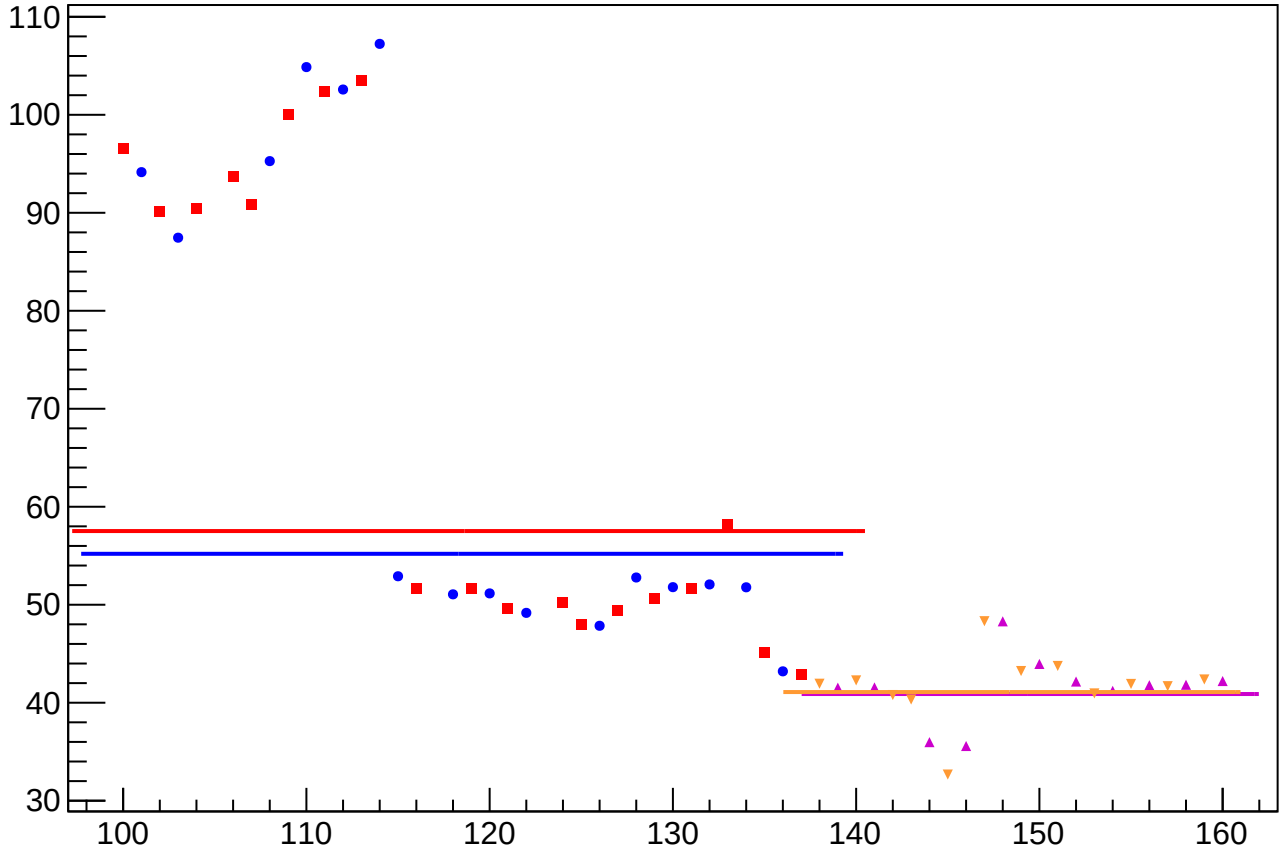
Left In: 1.766+/-13.303 χ^2/NDF:16.5/10

+ sign -8.730+/-11.344 χ^2/NDF: 43.3/27

All: -0.249+/-8.038 χ^2/NDF: 84.8/57

- 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: 41.089+/-0.009 χ^2/NDF:159947.0/11

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

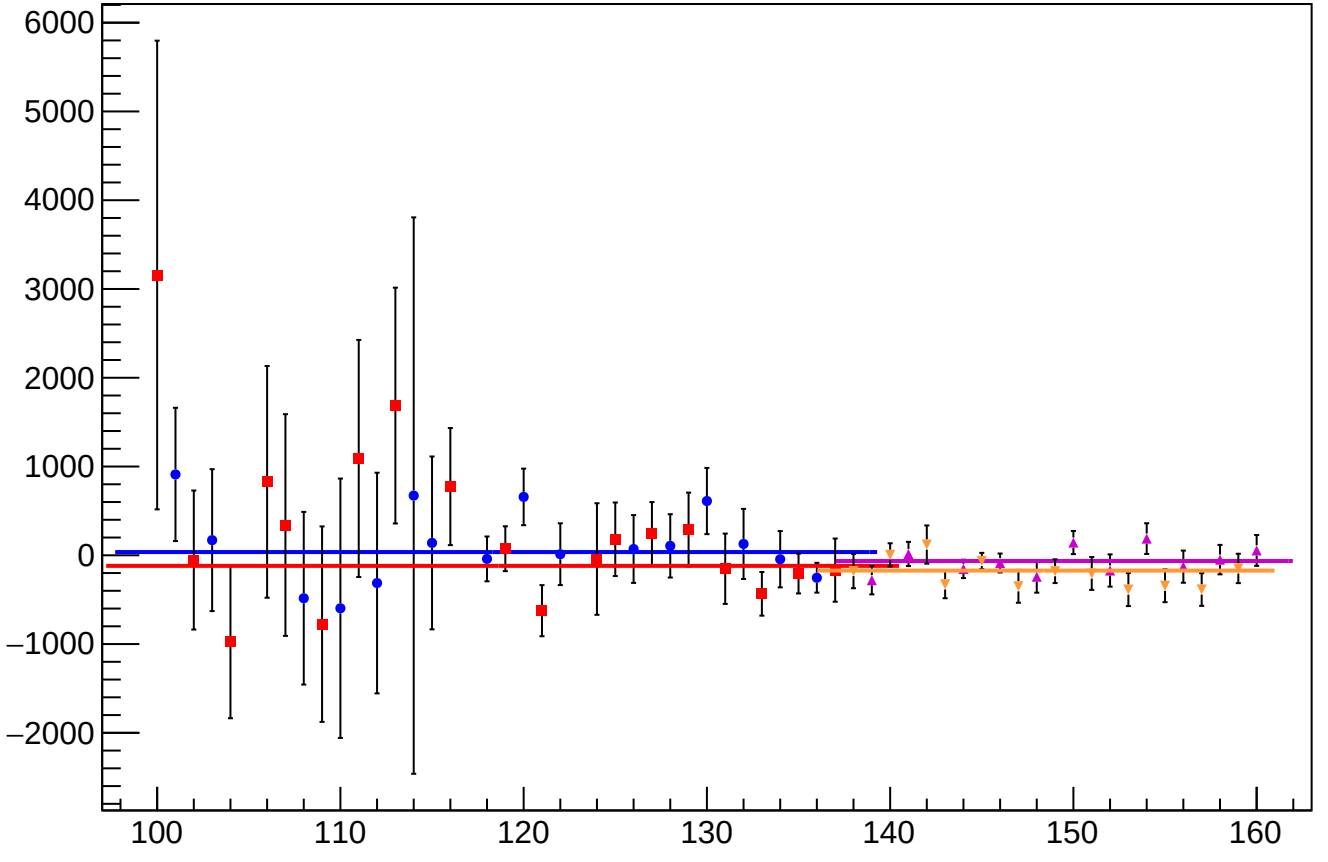
Left In: 40.888+/-0.009 χ^2/NDF:126201.7/10

+ sign 45.041+/-0.008 χ^2/NDF: 1936324.6/27

All: 45.180+/-0.006 χ^2/NDF: 4178175.6/57

- 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: -172.256+/-44.457 χ^2/NDF:10.6/11

Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

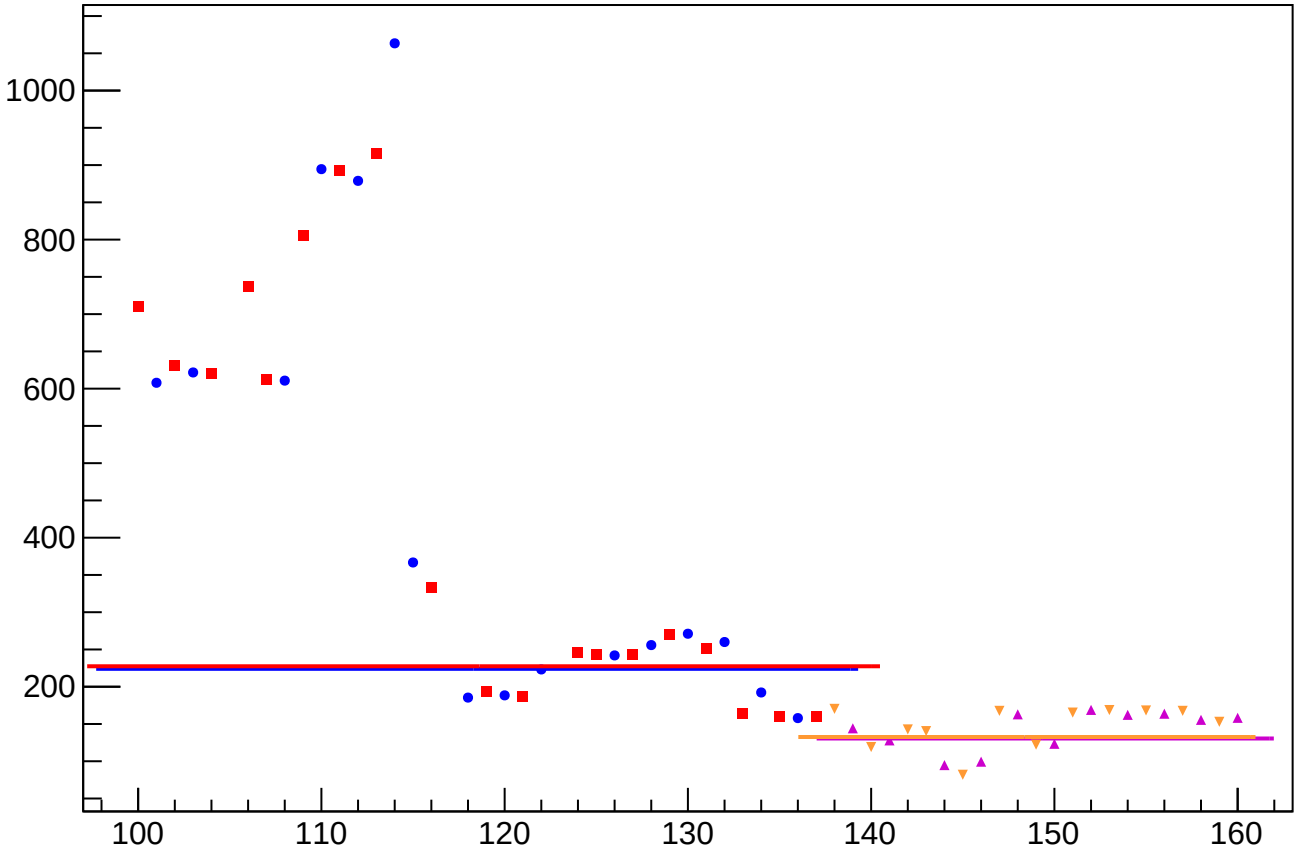
Left In: -64.348+/-43.551 χ^2/NDF:9.5/10

+ sign -133.838+/-40.155 χ^2/NDF: 26.1/27

All: -103.404+/-28.213 χ^2/NDF: 53.0/57

- sign -73.732+/-39.649 χ^2/NDF: 25.8/29

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 132.529+/-0.031 χ^2/NDF:1117752.2/11

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

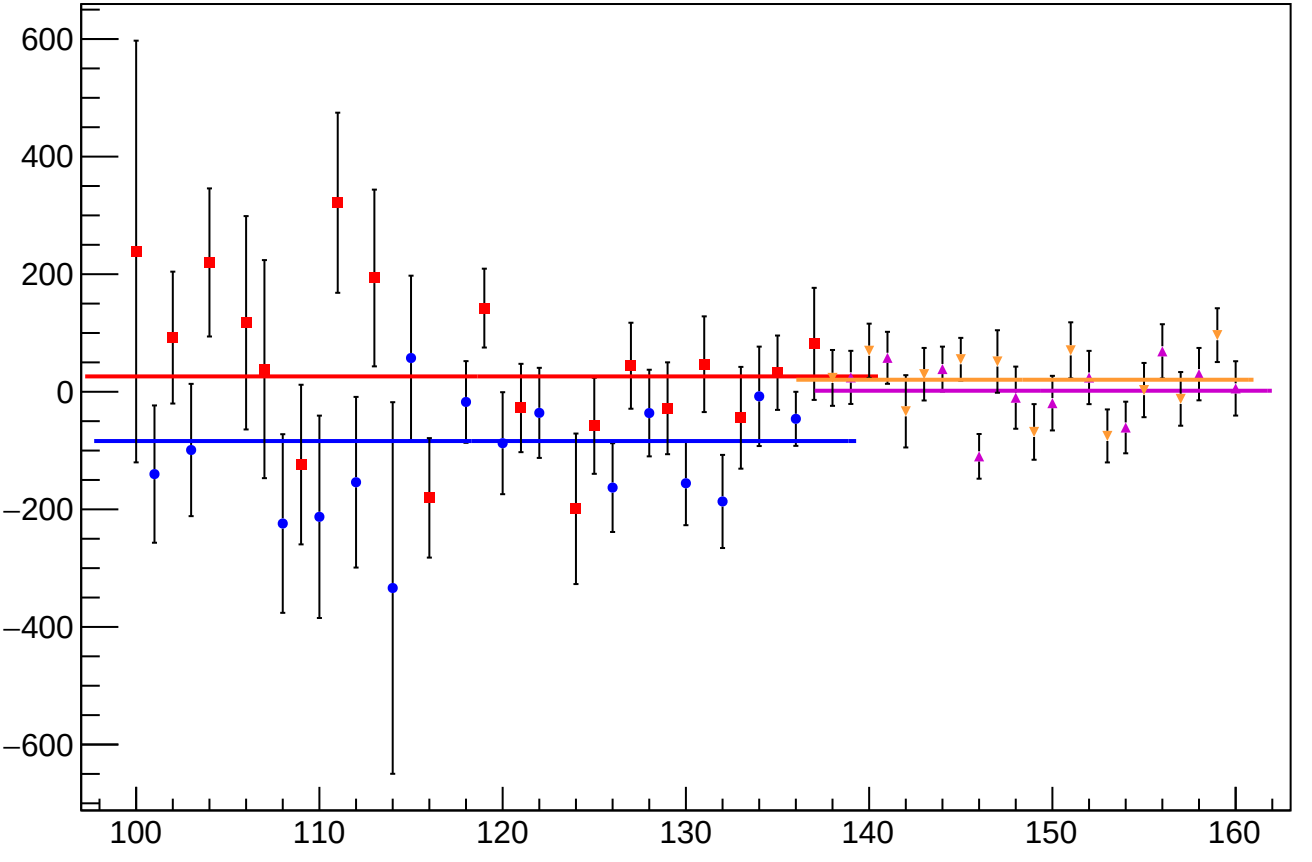
Left In: 130.533+/-0.031 χ^2/NDF:813984.4/10

+ sign 149.384+/-0.028 χ^2/NDF: 5646718.7/27

All: 148.239+/-0.020 χ^2/NDF: 11799919.3/57

- 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: 20.478+/-13.369 χ^2/NDF:15.7/11

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

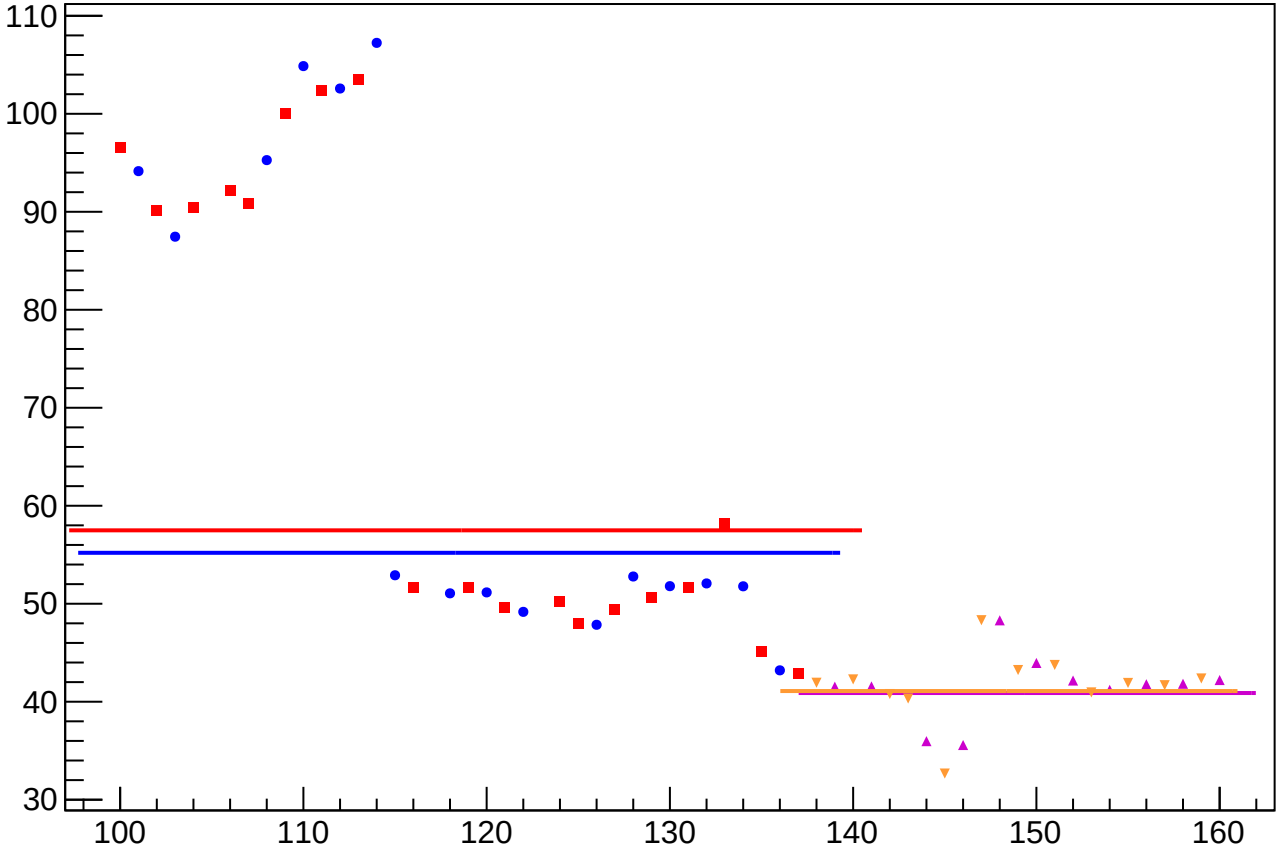
Left In: 1.765+/-13.303 χ^2/NDF:16.5/10

\+ sign -8.730+/-11.344 χ^2/NDF: 43.3/27

All: -0.271+/-8.039 χ^2/NDF: 84.7/57

\- 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: 41.089+/-0.009 χ^2/NDF:159947.0/11

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

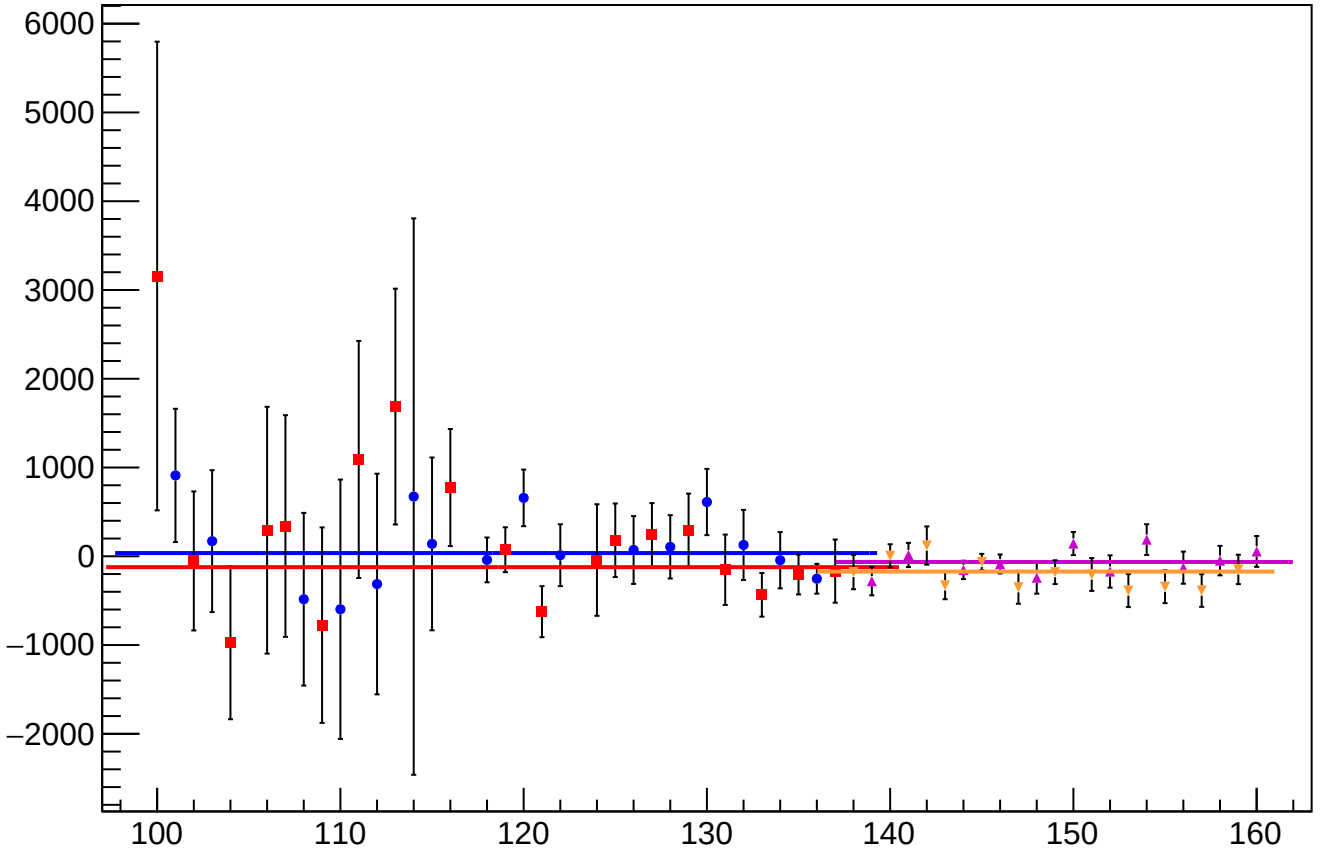
Left In: 40.888+/-0.009 χ^2/NDF:126201.7/10

+ sign 45.041+/-0.008 χ^2/NDF: 1936324.9/27

All: 45.176+/-0.006 χ^2/NDF: 4167727.1/57

- 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: -172.259+/-44.457 χ^2/NDF:10.6/11

Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

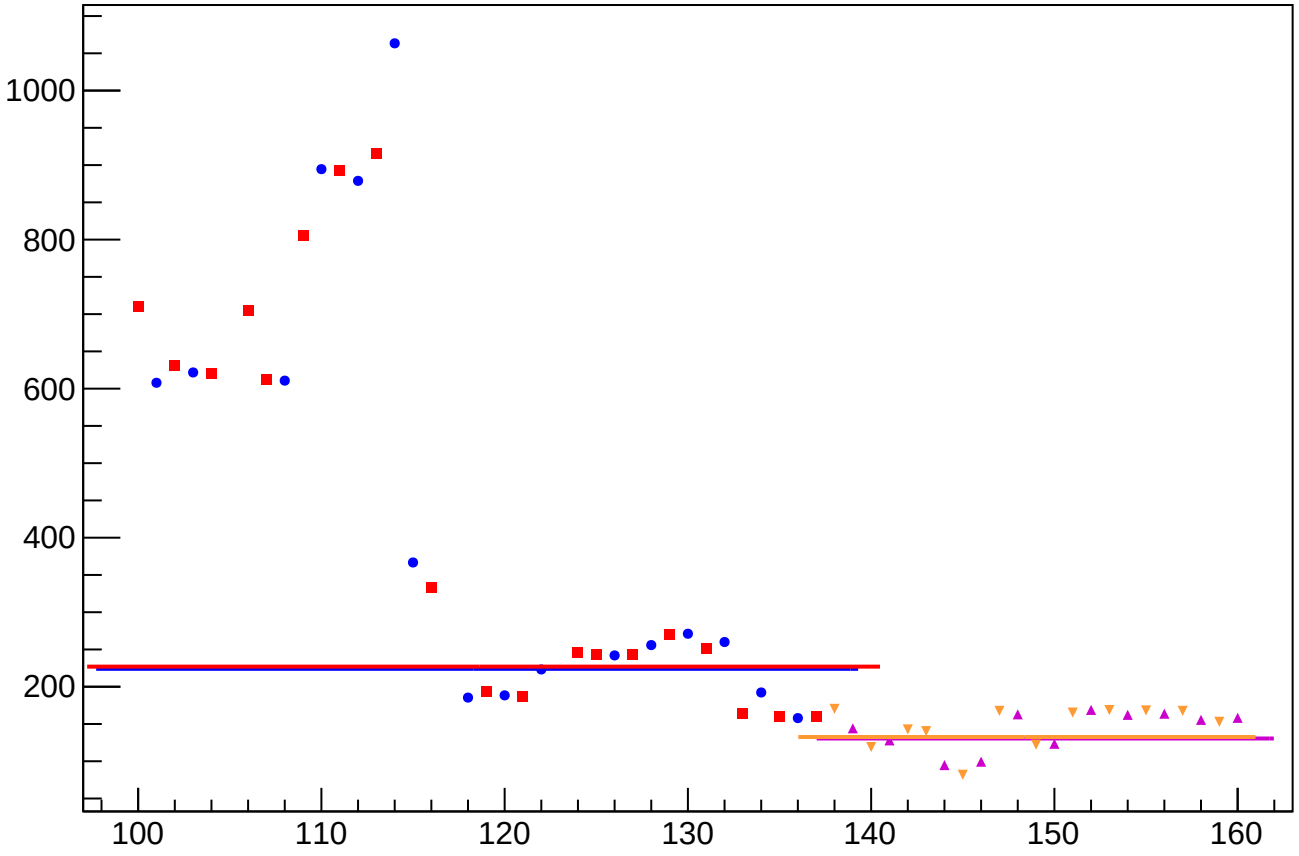
Left In: -64.348+/-43.551 χ^2/NDF:9.5/10

+ sign -133.840+/-40.155 χ^2/NDF: 26.1/27

All: -103.675+/-28.214 χ^2/NDF: 52.6/57

- 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: 132.529+/-0.031 χ^2/NDF:1117756.9/11

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

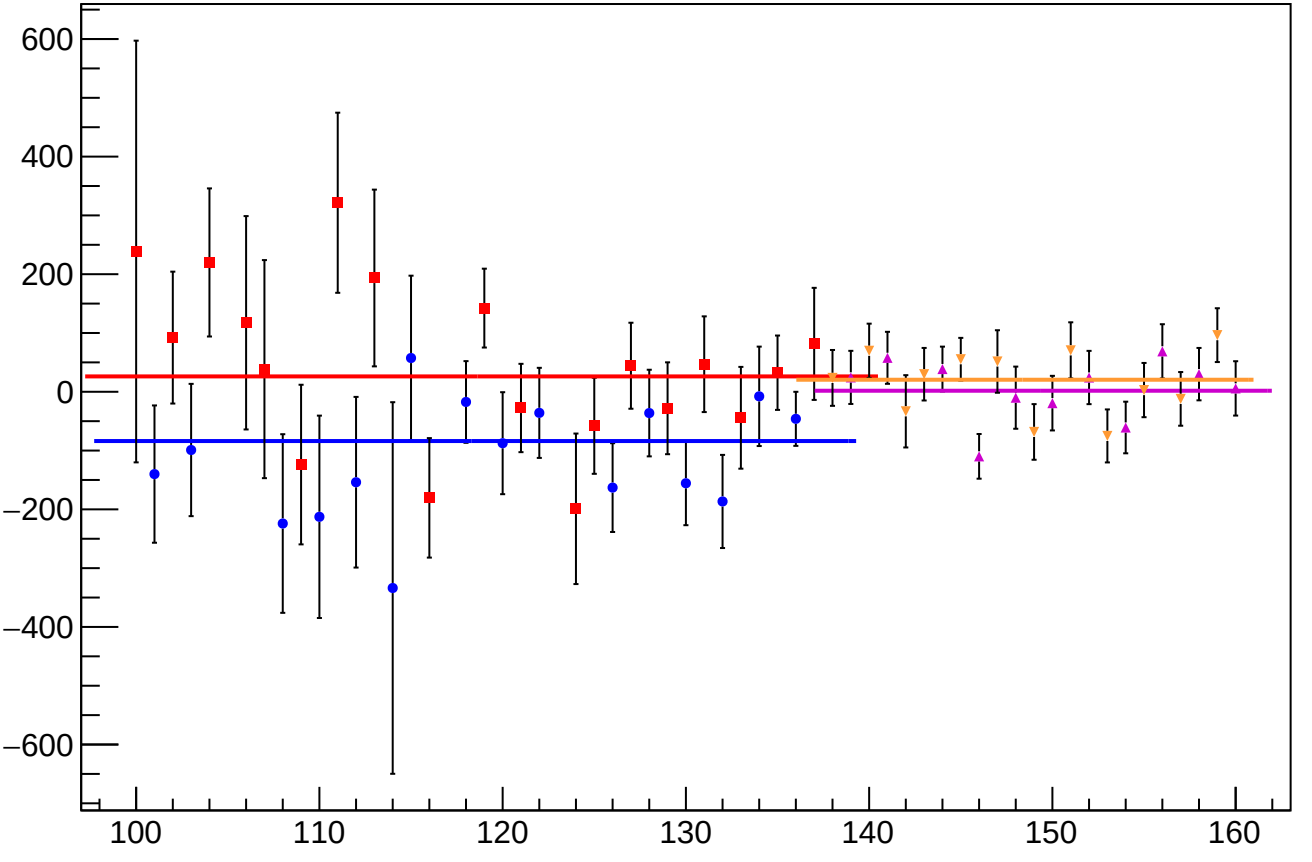
Left In: 130.533+/-0.031 χ^2/NDF:813985.5/10

+ sign 149.384+/-0.028 χ^2/NDF: 5646730.3/27

All: 148.193+/-0.020 χ^2/NDF: 11713859.6/57

- 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: 20.478+/-13.369 χ^2/NDF:15.7/11

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

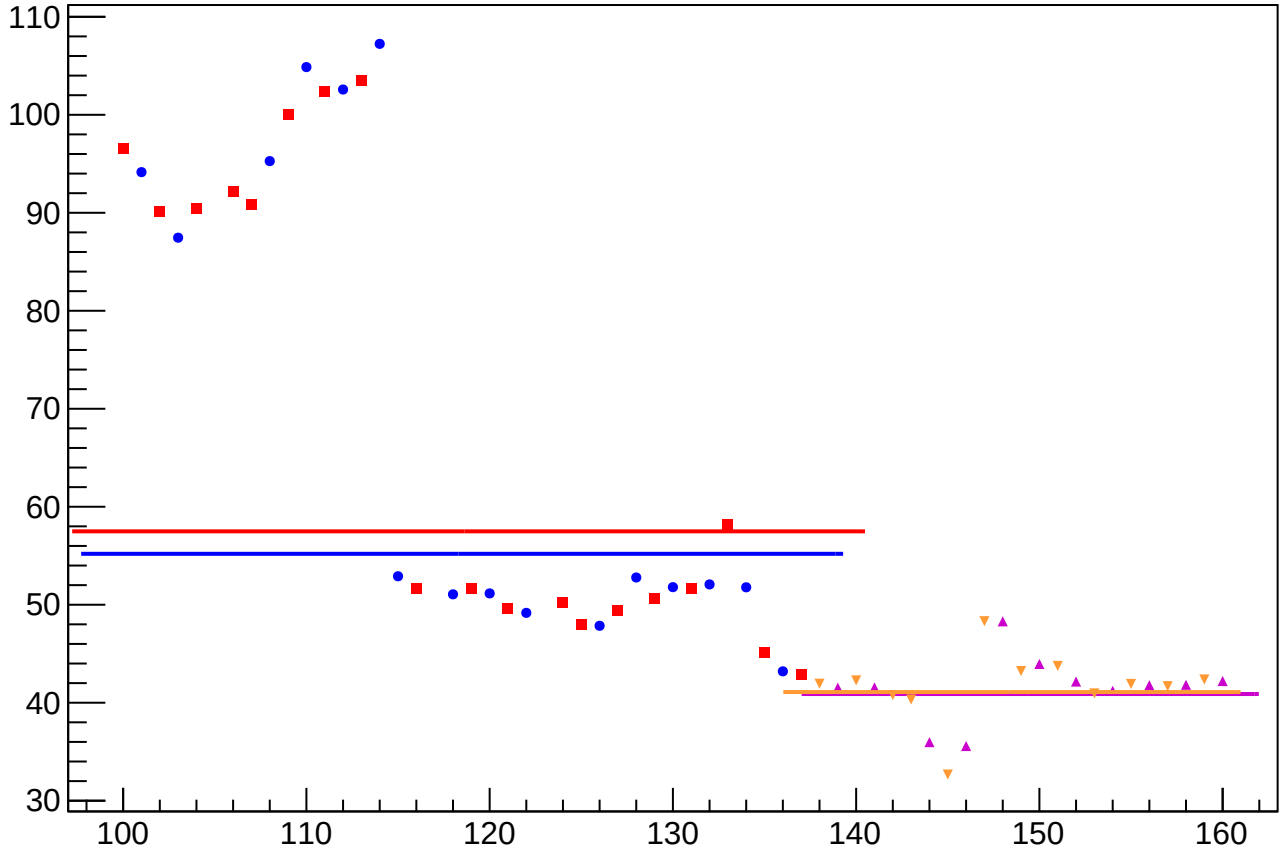
Left In: 1.765+/-13.303 χ^2/NDF:16.5/10

+ sign -8.730+/-11.344 χ^2/NDF: 43.3/27

All: -0.271+/-8.039 χ^2/NDF: 84.7/57

- 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: 41.089+/-0.009 χ^2/NDF:159947.0/11

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

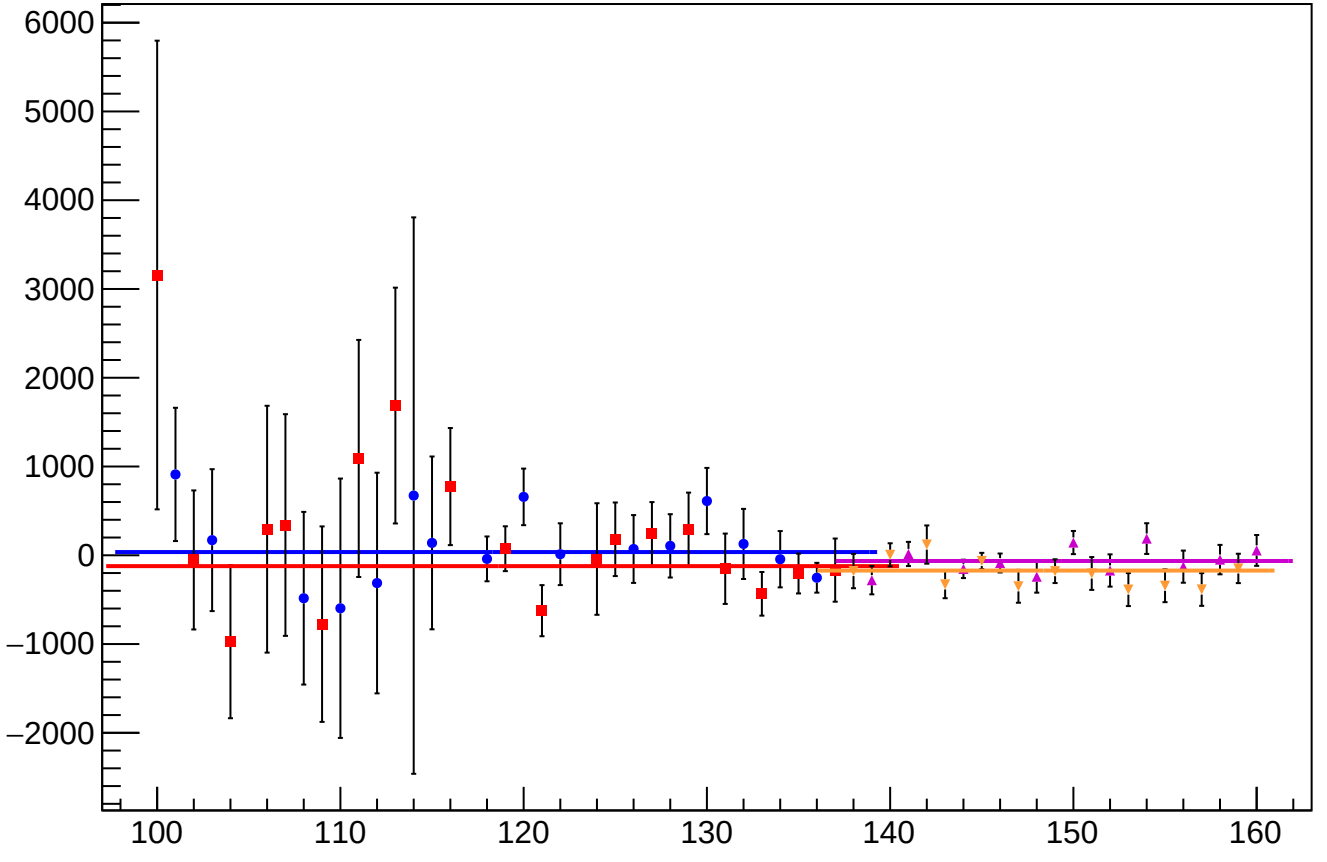
Left In: 40.888+/-0.009 χ^2/NDF:126201.7/10

\+ sign 45.041+/-0.008 χ^2/NDF: 1936324.9/27

All: 45.176+/-0.006 χ^2/NDF: 4167727.1/57

\- sign 45.312+/-0.008 χ^2/NDF: 2230831.2/29

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -172.259+/-44.457 χ^2/NDF:10.6/11

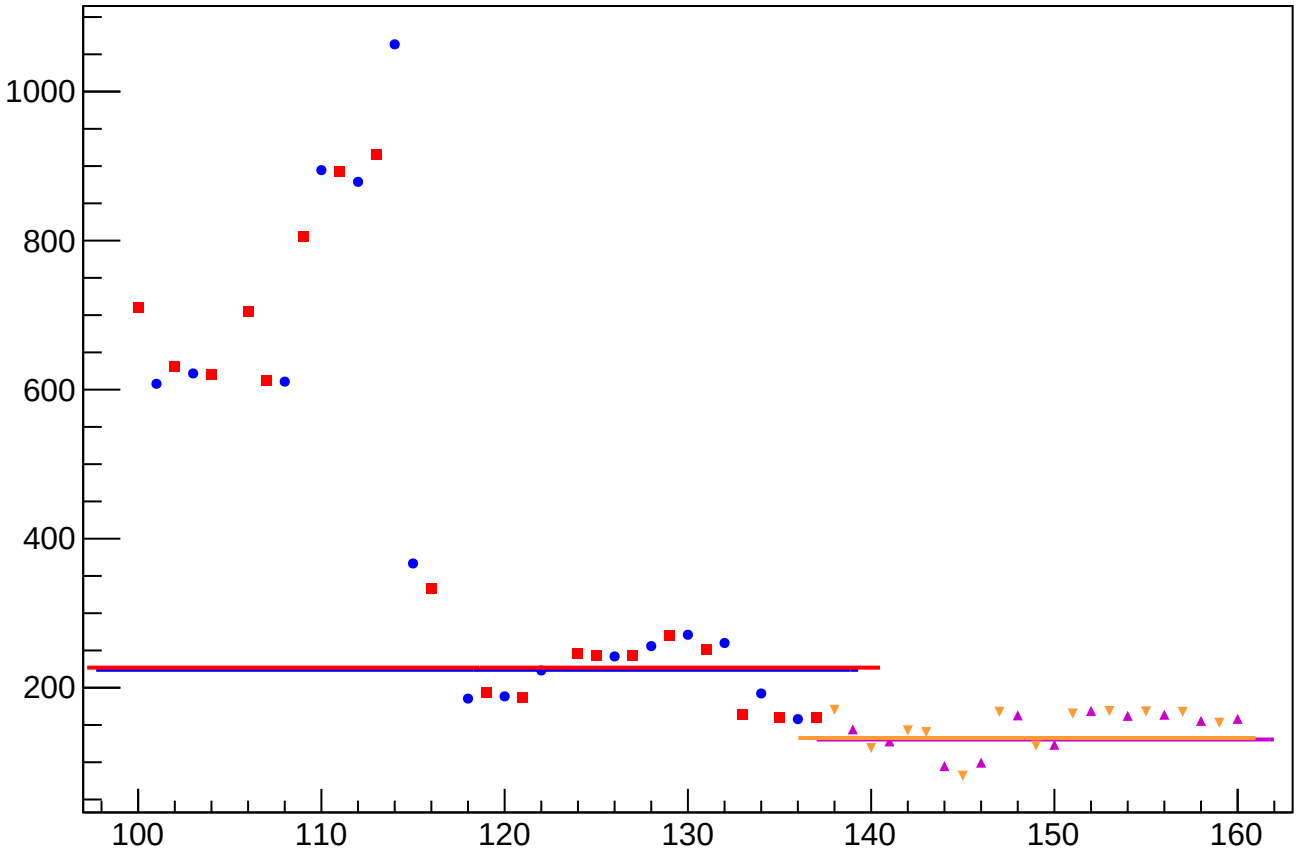
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -64.348+/-43.551 χ^2/NDF:9.5/10

+ sign -133.840+/-40.155 χ^2/NDF: 26.1/27

All: -103.675+/-28.214 χ^2/NDF: 52.6/57

- sign -74.261+/-39.651 χ^2/NDF: 25.4/29



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 132.529+/-0.031 χ^2/NDF:1117756.9/11

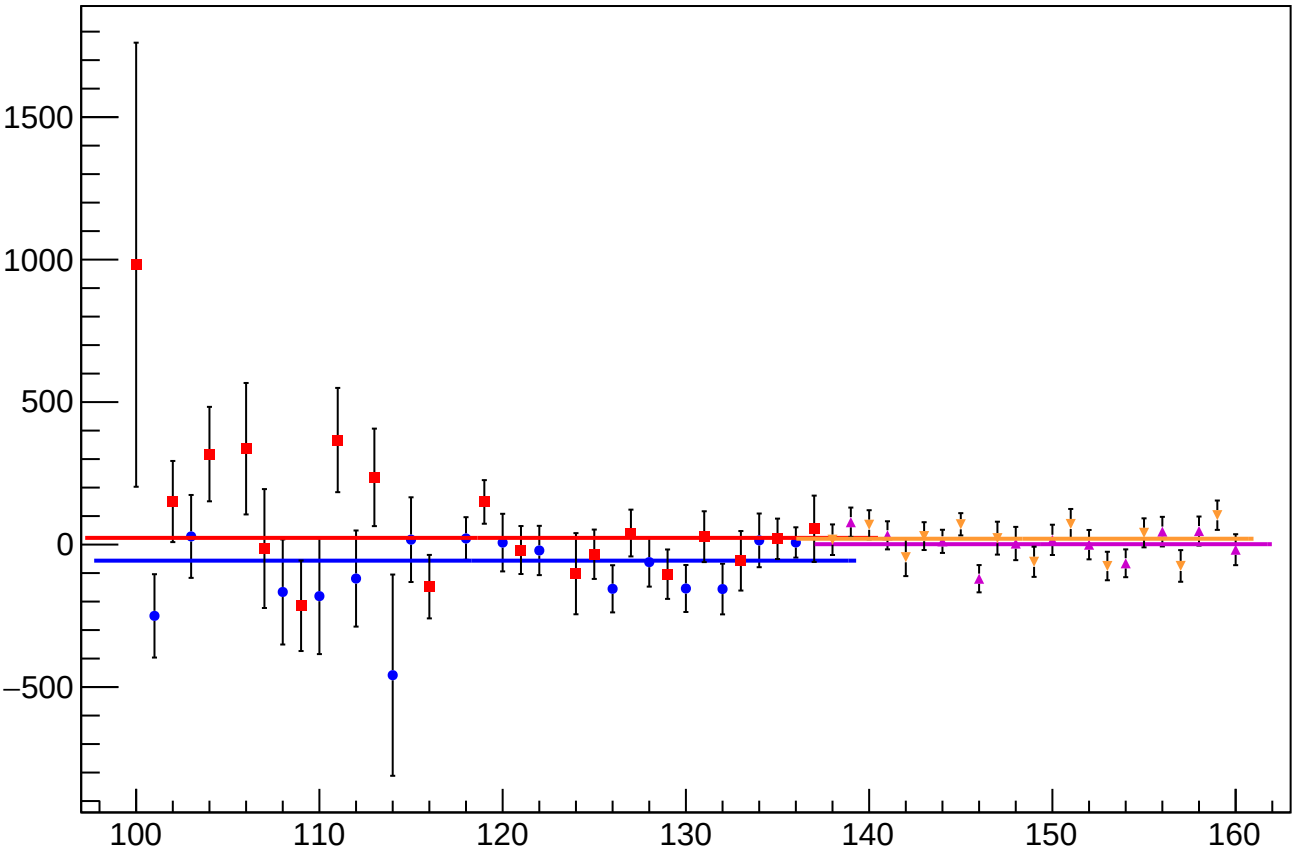
Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 130.533+/-0.031 χ^2/NDF:813985.5/10

+ sign 149.384+/-0.028 χ^2/NDF: 5646730.3/27

All: 148.193+/-0.020 χ^2/NDF: 11713859.6/57

- sign 147.032+/-0.028 χ^2/NDF: 6063653.3/29



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.516+/-14.847 χ^2/NDF:16.3/11

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

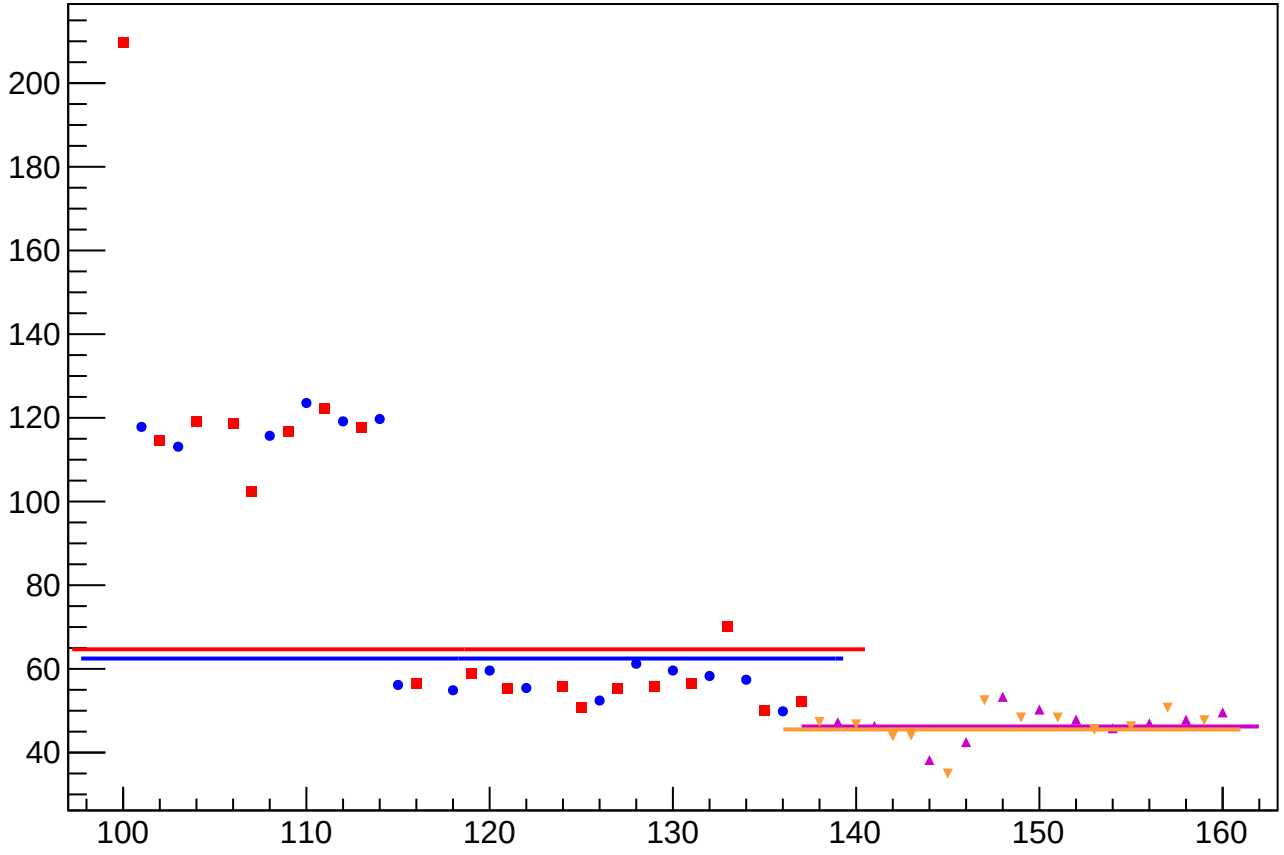
Left In: 1.365+/-15.125 χ^2/NDF:12.7/10

+ sign -0.162+/-12.696 χ^2/NDF: 35.7/27

All: 3.462+/-9.070 χ^2/NDF: 73.3/57

- 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: 45.532+/-0.010 χ^2/NDF:214723.0/11

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

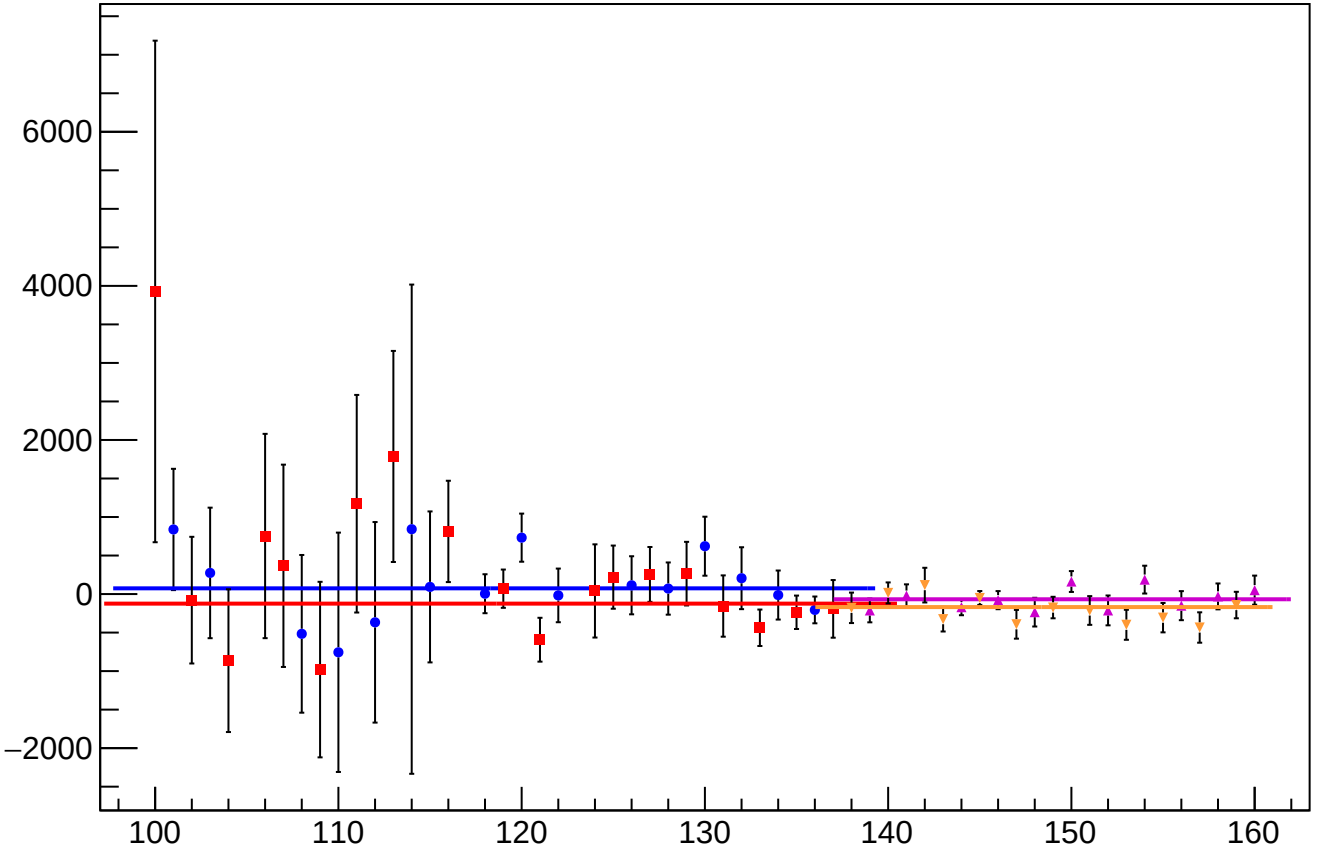
Left In: 46.234+/-0.011 χ^2/NDF:144231.7/10

+ sign 50.086+/-0.009 χ^2/NDF: 2262930.0/27

All: 50.597+/-0.006 χ^2/NDF: 4793881.9/57

- 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: -168.991+/-45.462 χ^2/NDF:11.3/11

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

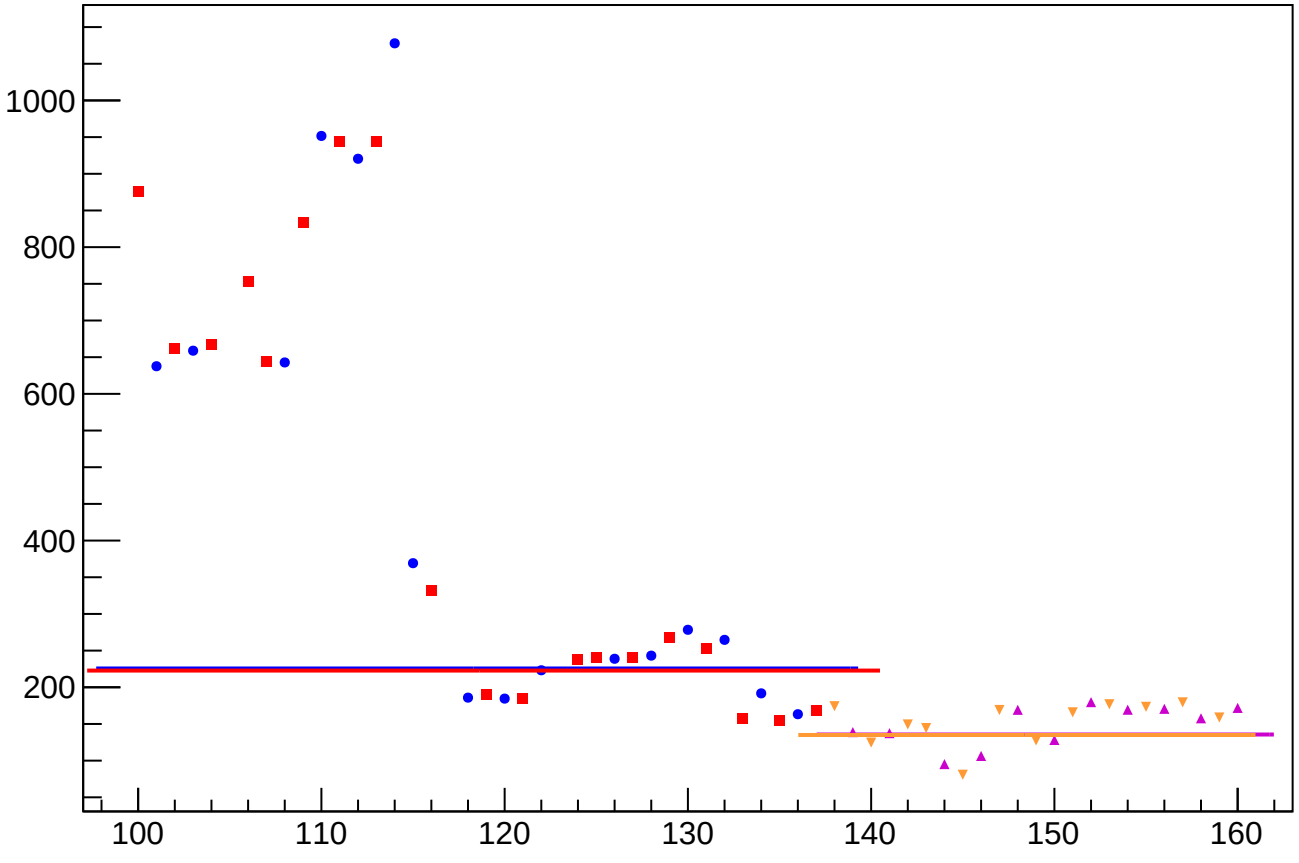
Left In: -67.632+/-45.432 χ^2/NDF:8.8/10

+ sign -123.261+/-40.967 χ^2/NDF: 27.9/27

All: -100.737+/-28.966 χ^2/NDF: 54.0/57

- 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: 134.976+/-0.032 χ^2/NDF:1271396.1/11

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

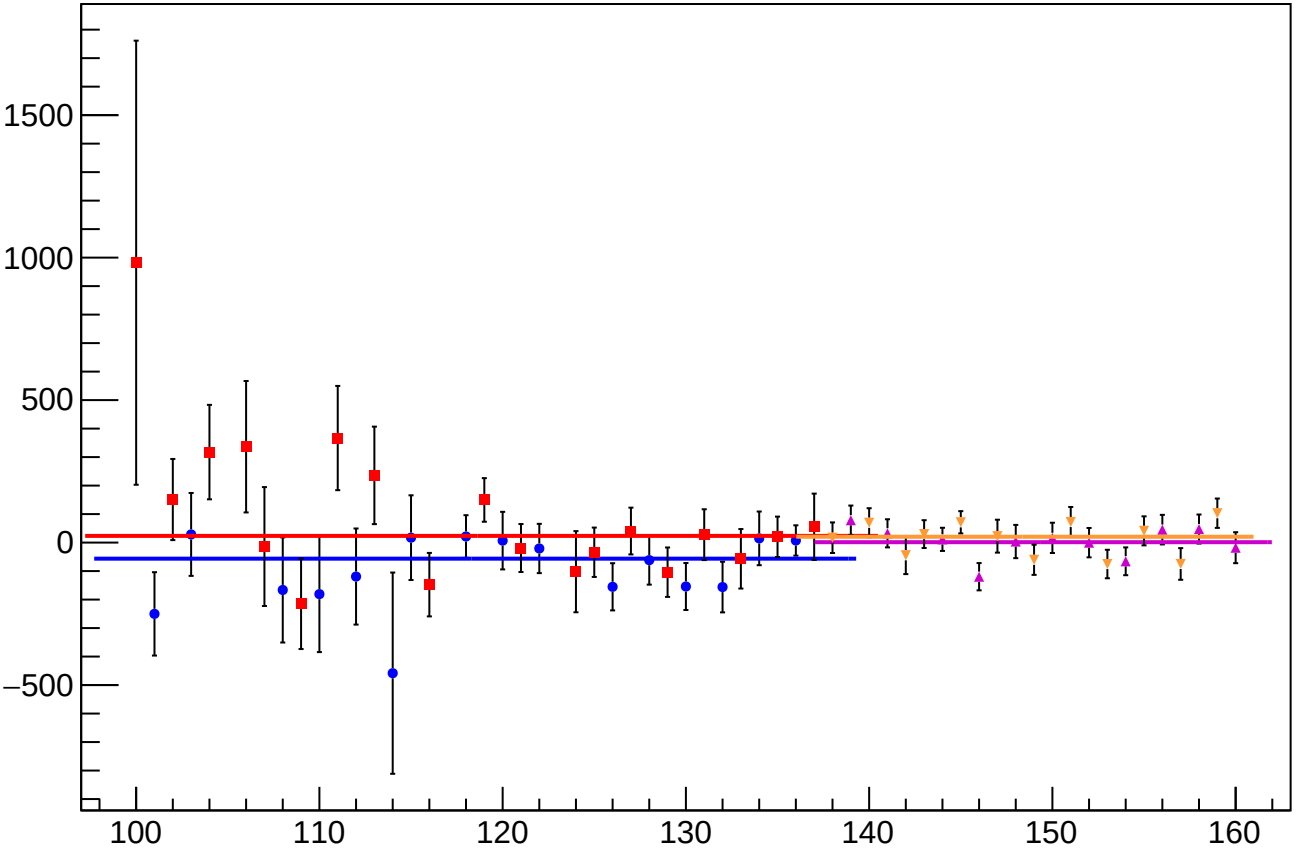
Left In: 135.616+/-0.032 χ^2/NDF:844720.6/10

+ sign 152.013+/-0.029 χ^2/NDF: 5791690.2/27

All: 151.974+/-0.020 χ^2/NDF: 11862926.7/57

- 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: 20.516+/-14.847 χ^2/NDF:16.3/11

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

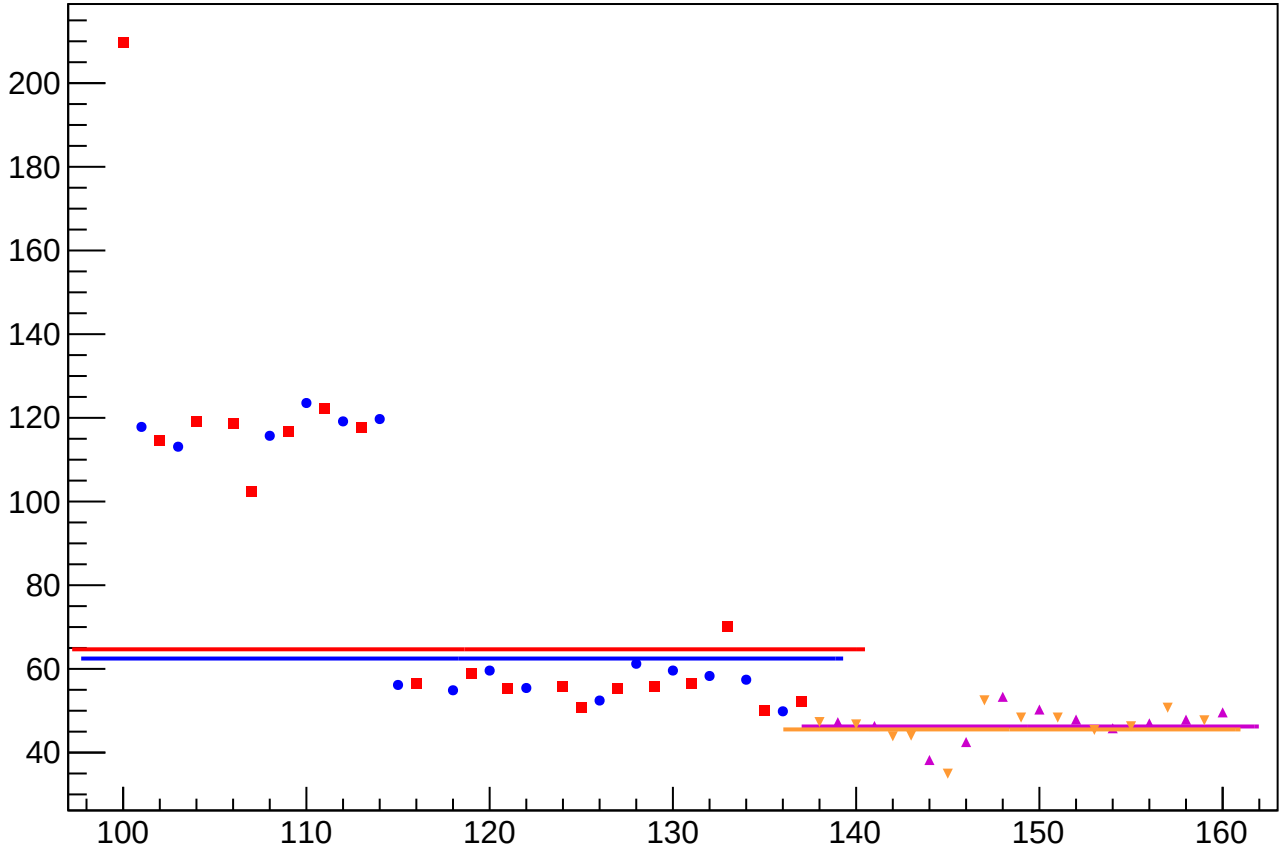
Left In: 1.364+/-15.125 χ^2/NDF:12.7/10

+ sign -0.162+/-12.696 χ^2/NDF: 35.7/27

All: 3.462+/-9.070 χ^2/NDF: 73.3/57

- 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: 45.532+/-0.010 χ^2/NDF:214728.1/11

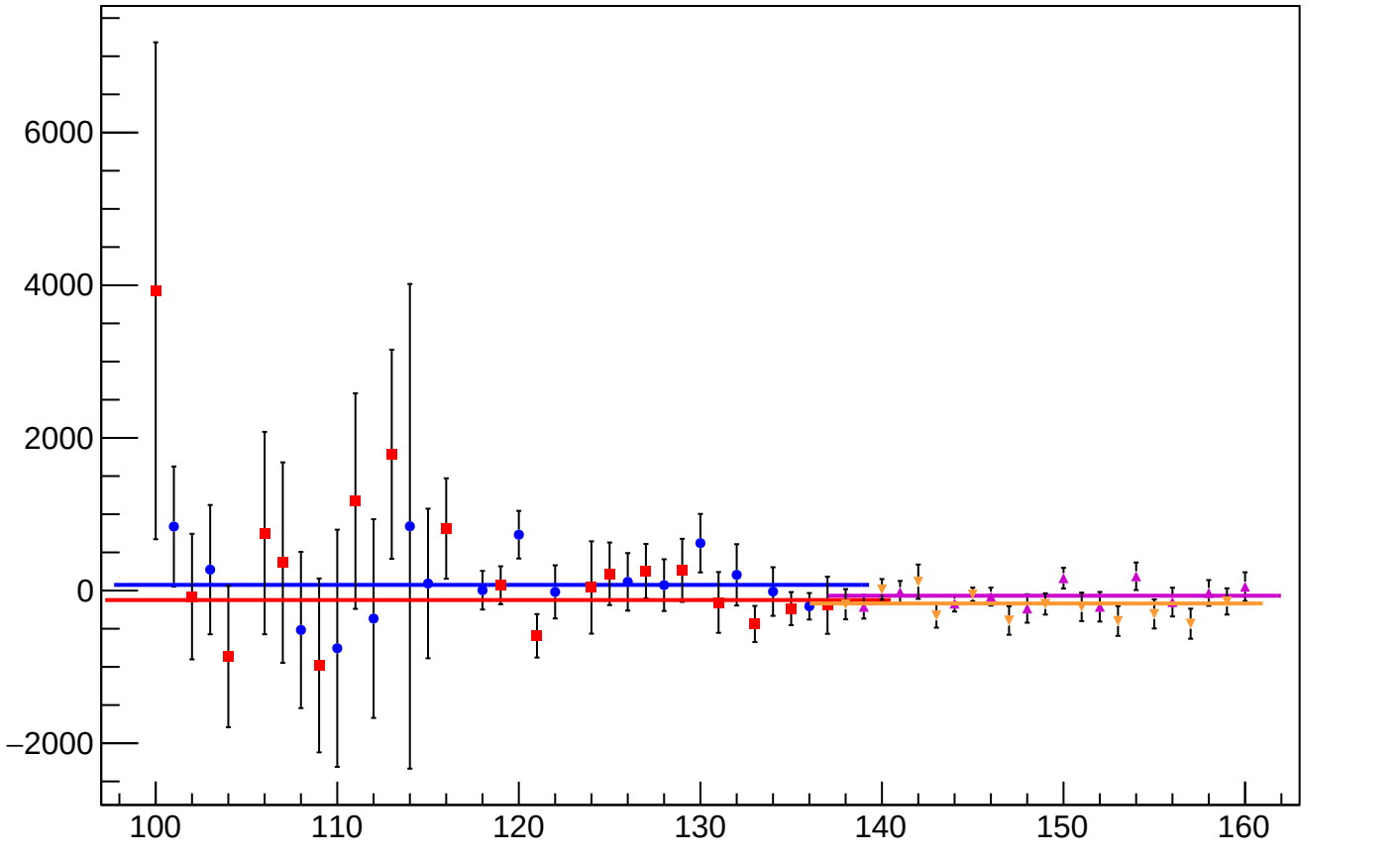
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 46.234+/-0.011 χ^2/NDF:144232.9/10

+ sign 50.086+/-0.009 χ^2/NDF: 2262872.0/27

All: 50.597+/-0.006 χ^2/NDF: 4793777.3/57

- 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: -168.991+/-45.463 χ^2/NDF:11.3/11

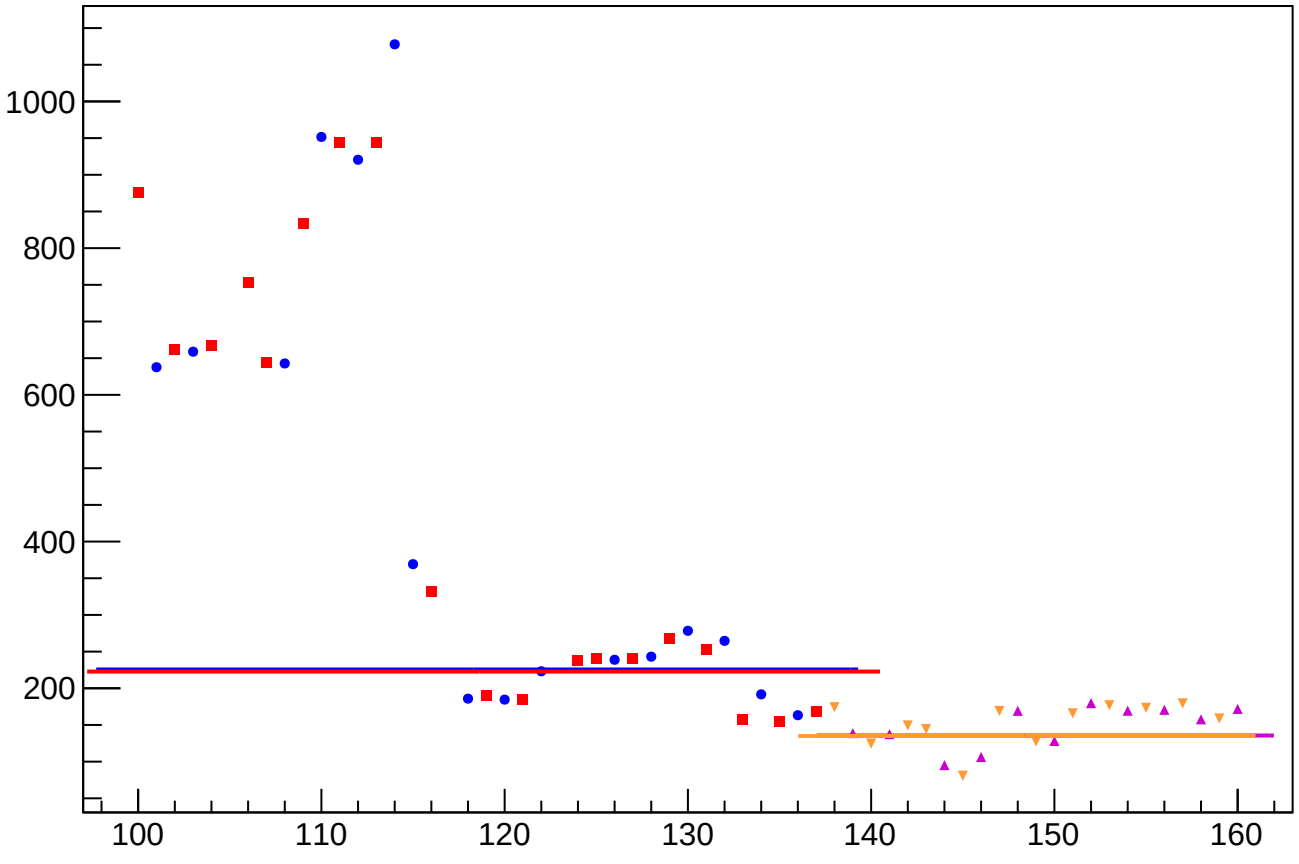
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -67.632+/-45.432 χ^2/NDF:8.8/10

+ sign -123.261+/-40.968 χ^2/NDF: 27.9/27

All: -100.737+/-28.966 χ^2/NDF: 54.0/57

- 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: 134.976+/-0.032 χ^2/NDF:1271386.5/11

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

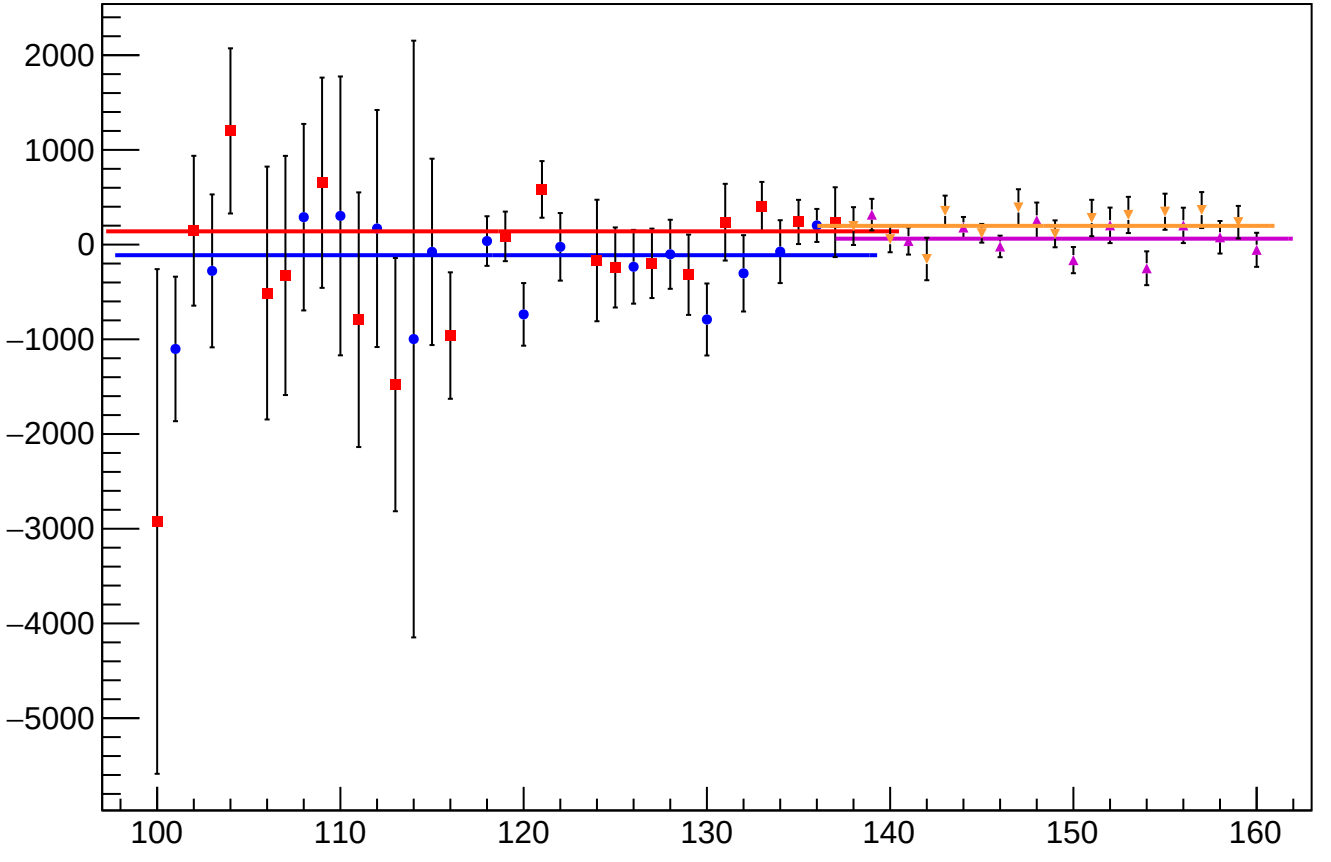
Left In: 135.616+/-0.032 χ^2/NDF:844719.9/10

+ sign 152.014+/-0.029 χ^2/NDF: 5791652.6/27

All: 151.974+/-0.020 χ^2/NDF: 11862872.9/57

- 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: 198.001+/-46.733 χ^2/NDF:8.4/11

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

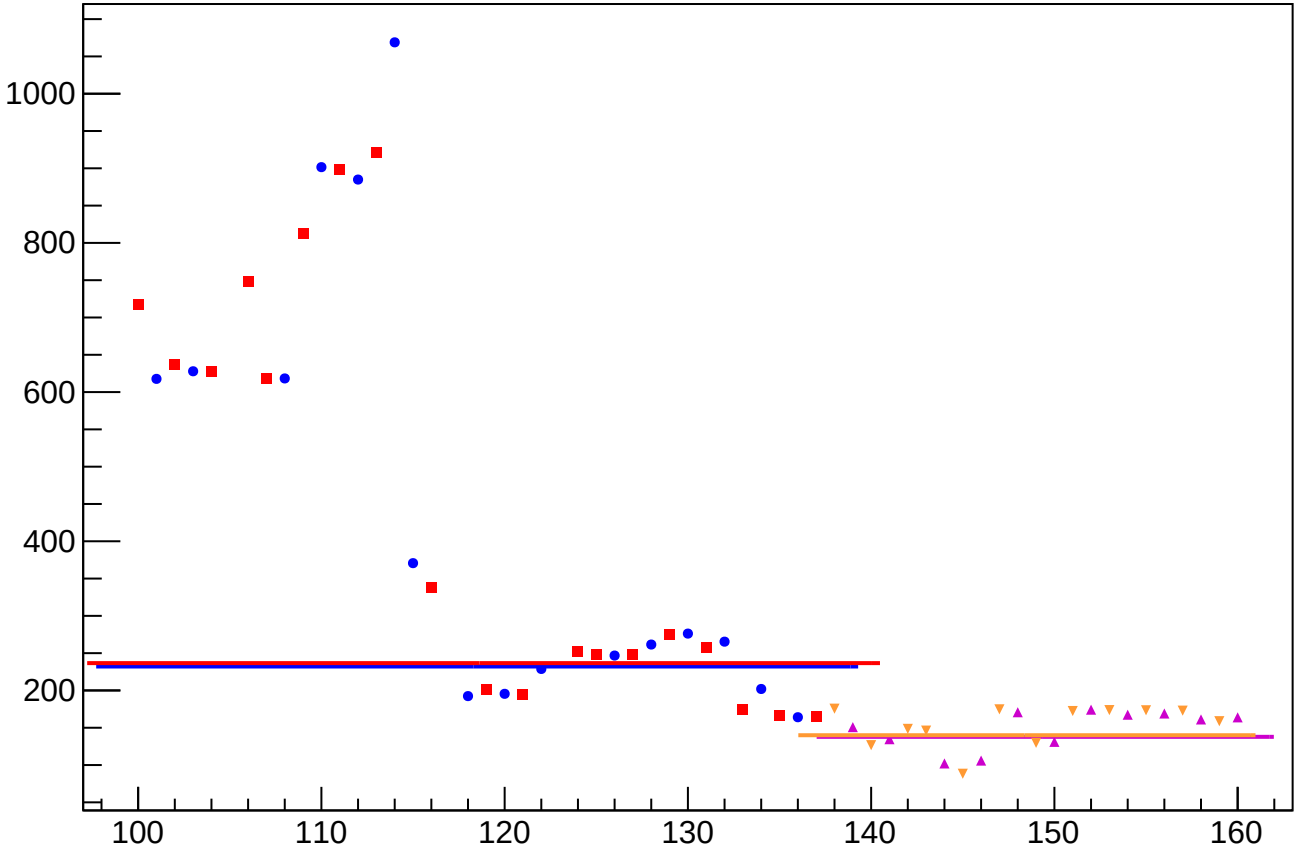
Left In: 62.524+/-45.804 χ^2/NDF:12.3/10

+ sign 139.176+/-42.064 χ^2/NDF: 29.6/27

All: 107.295+/-29.572 χ^2/NDF: 58.2/57

- 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: 139.963+/-0.033 χ^2/NDF:975160.5/11

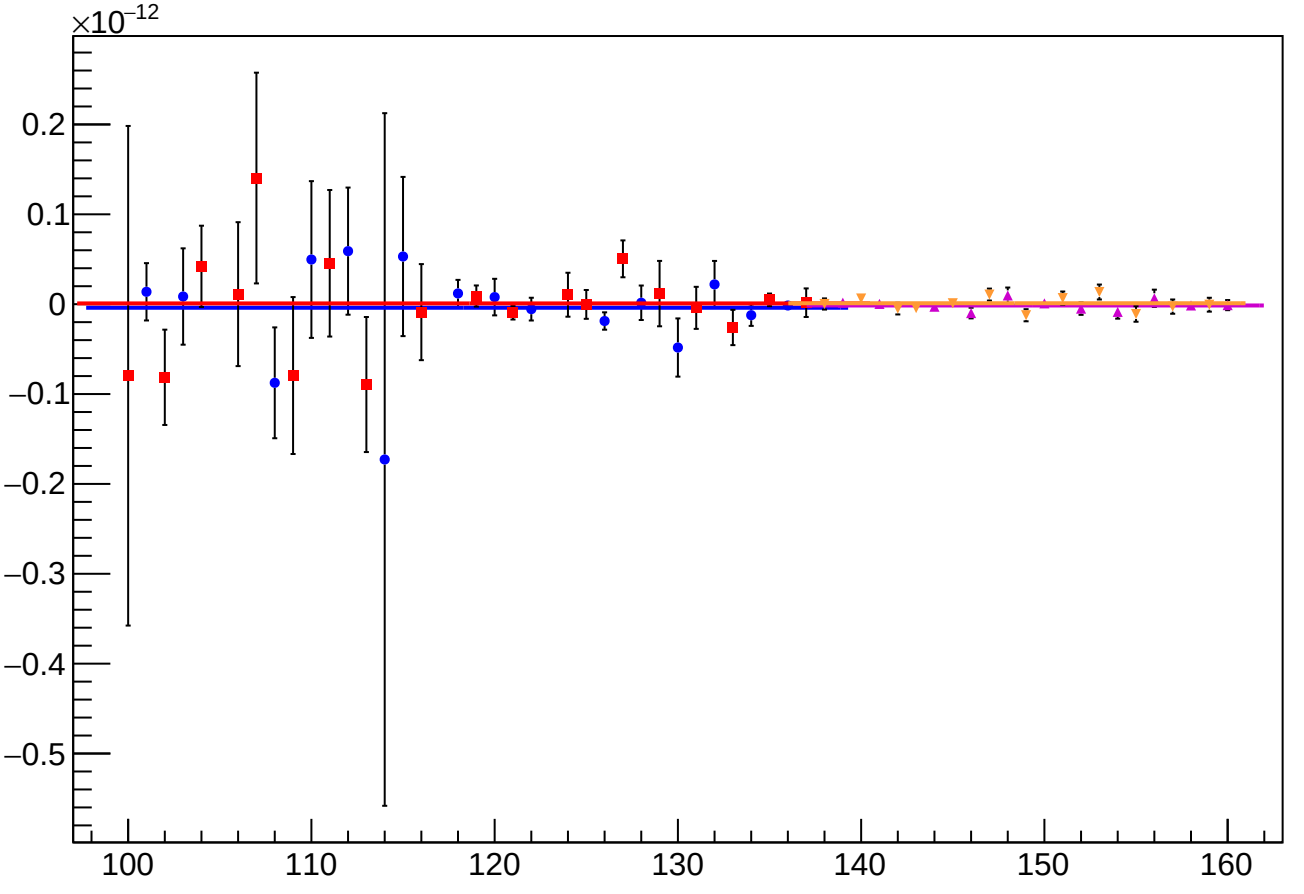
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 137.823+/-0.032 χ^2/NDF:708086.0/10

+ sign 157.452+/-0.030 χ^2/NDF: 5336521.8/27

All: 156.311+/-0.021 χ^2/NDF: 11205332.4/57

- 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:15.2/11

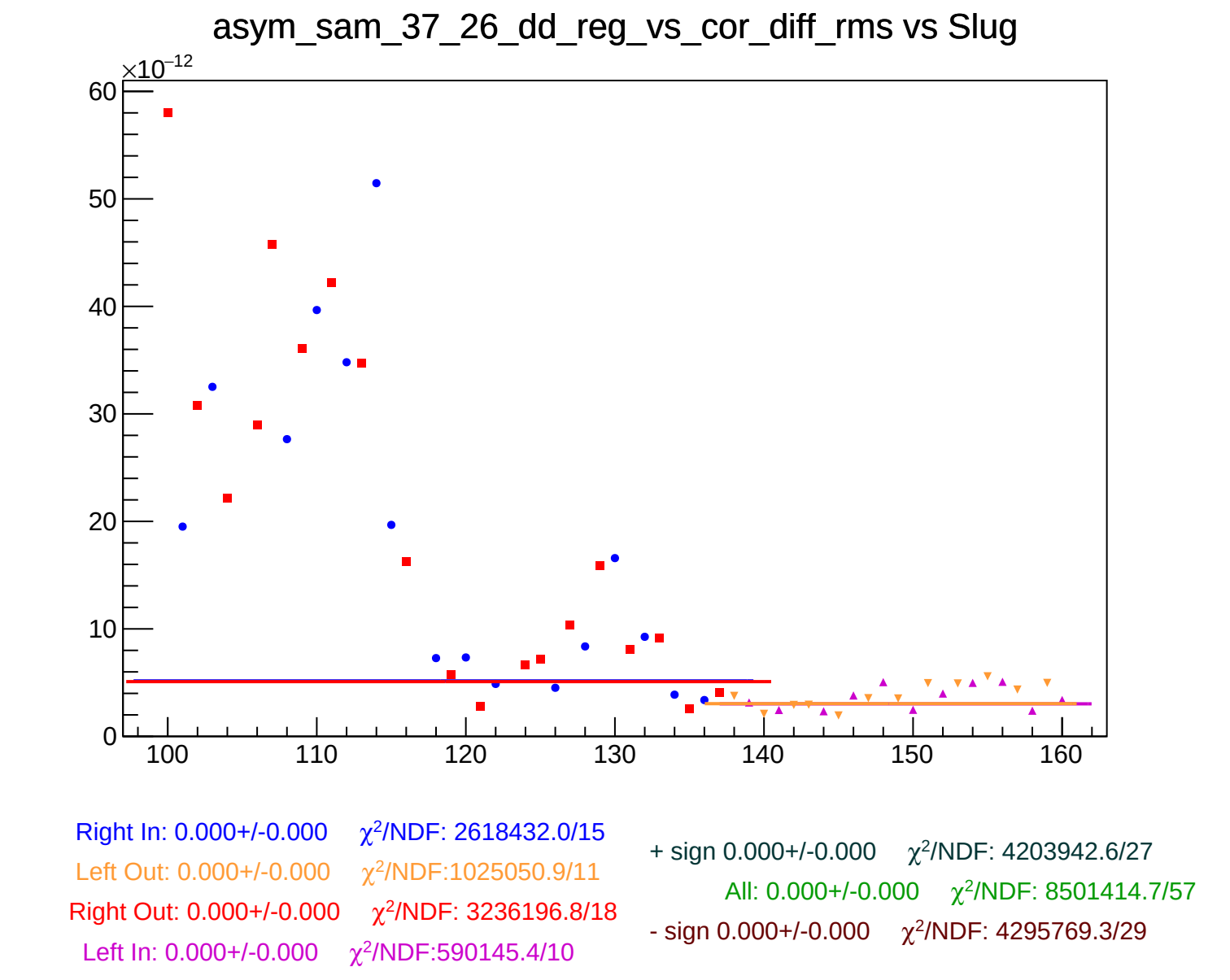
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/10

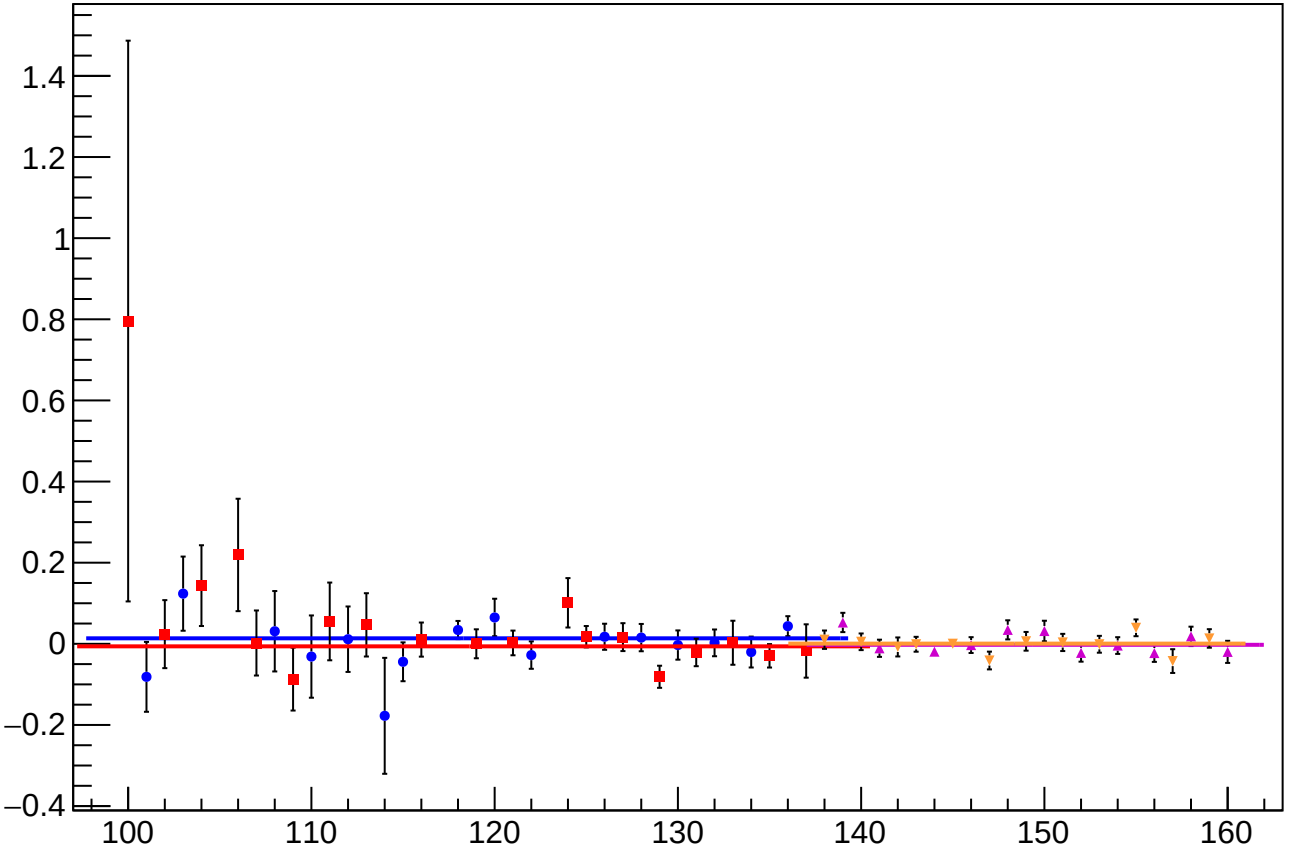
+ sign 0.000+/-0.000 χ^2/NDF: 28.2/27

All: -0.000+/-0.000 χ^2/NDF: 53.4/57

- 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:1025050.9/11
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: 4203942.6/27
All: 0.000+/-0.000 χ²/NDF: 8501414.7/57
- 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: 0.000+/-0.006 χ^2/NDF:10.1/11

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

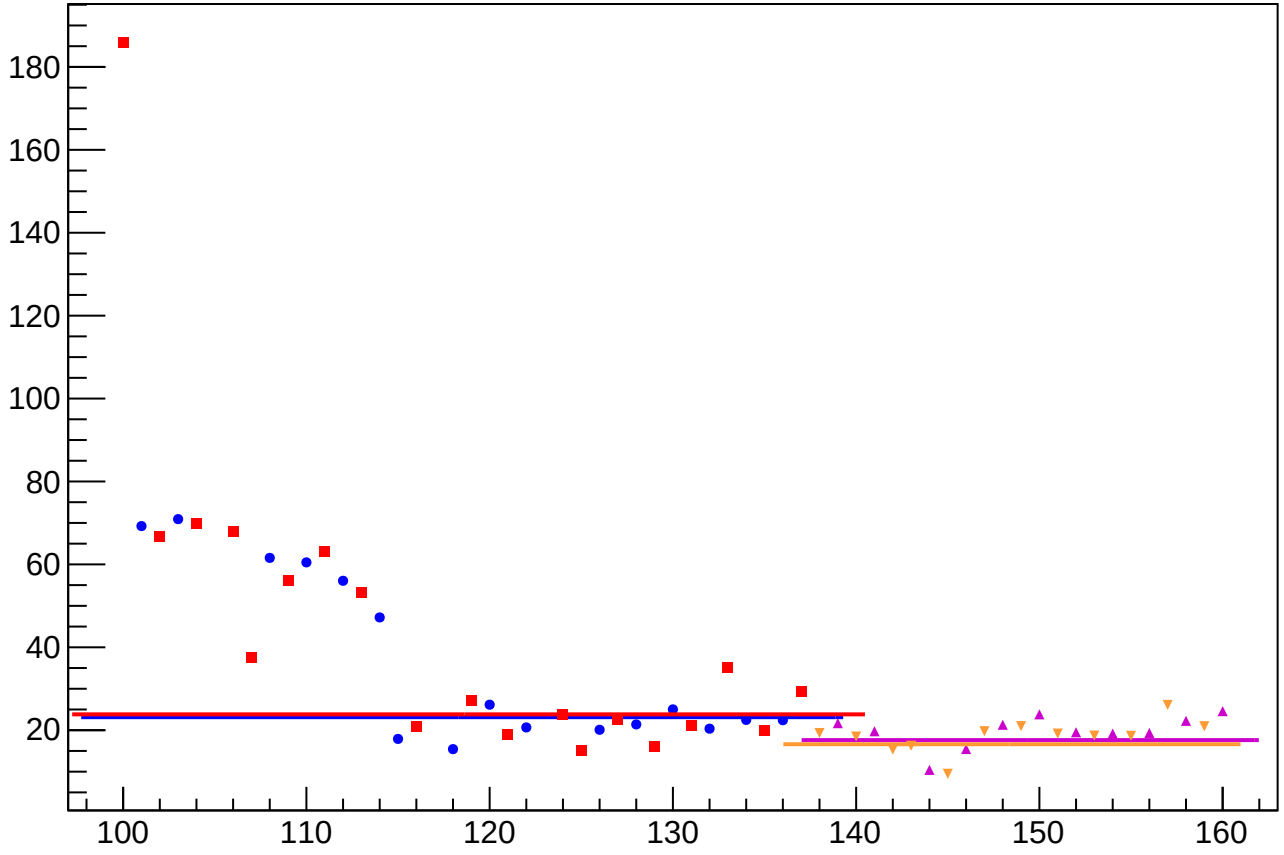
Left In: -0.002+/-0.006 χ^2/NDF:14.7/10

+ sign 0.004+/-0.005 χ^2/NDF: 23.7/27

All: 0.000+/-0.004 χ^2/NDF: 61.0/57

- 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: 16.614+/-0.004 χ^2/NDF:1309738.7/11

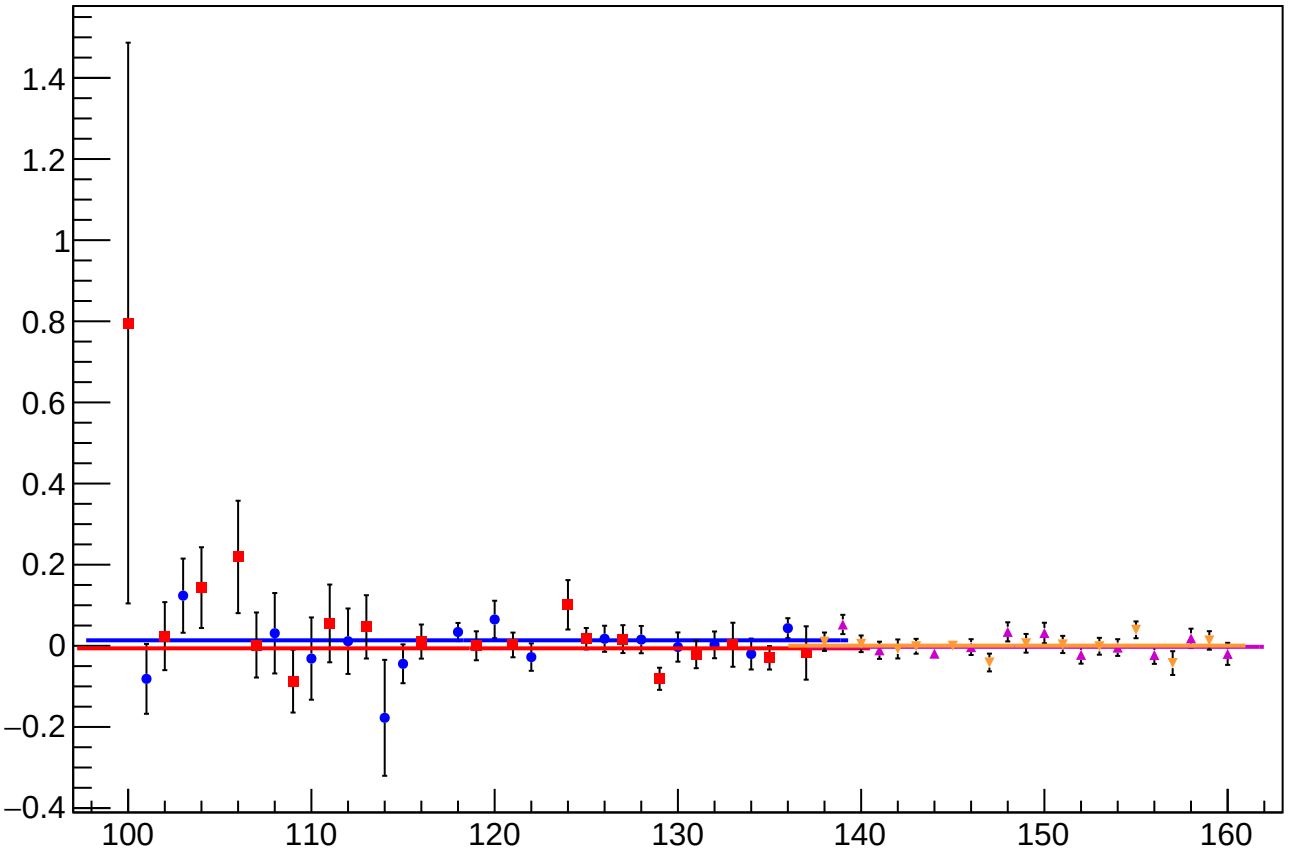
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.613+/-0.004 χ^2/NDF:1262118.6/10

\+ sign 18.249+/-0.003 χ^2/NDF: 4375795.5/27

All: 18.736+/-0.003 χ^2/NDF: 9135051.3/57

\- 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: 0.000+/-0.006 χ^2/NDF:10.1/11

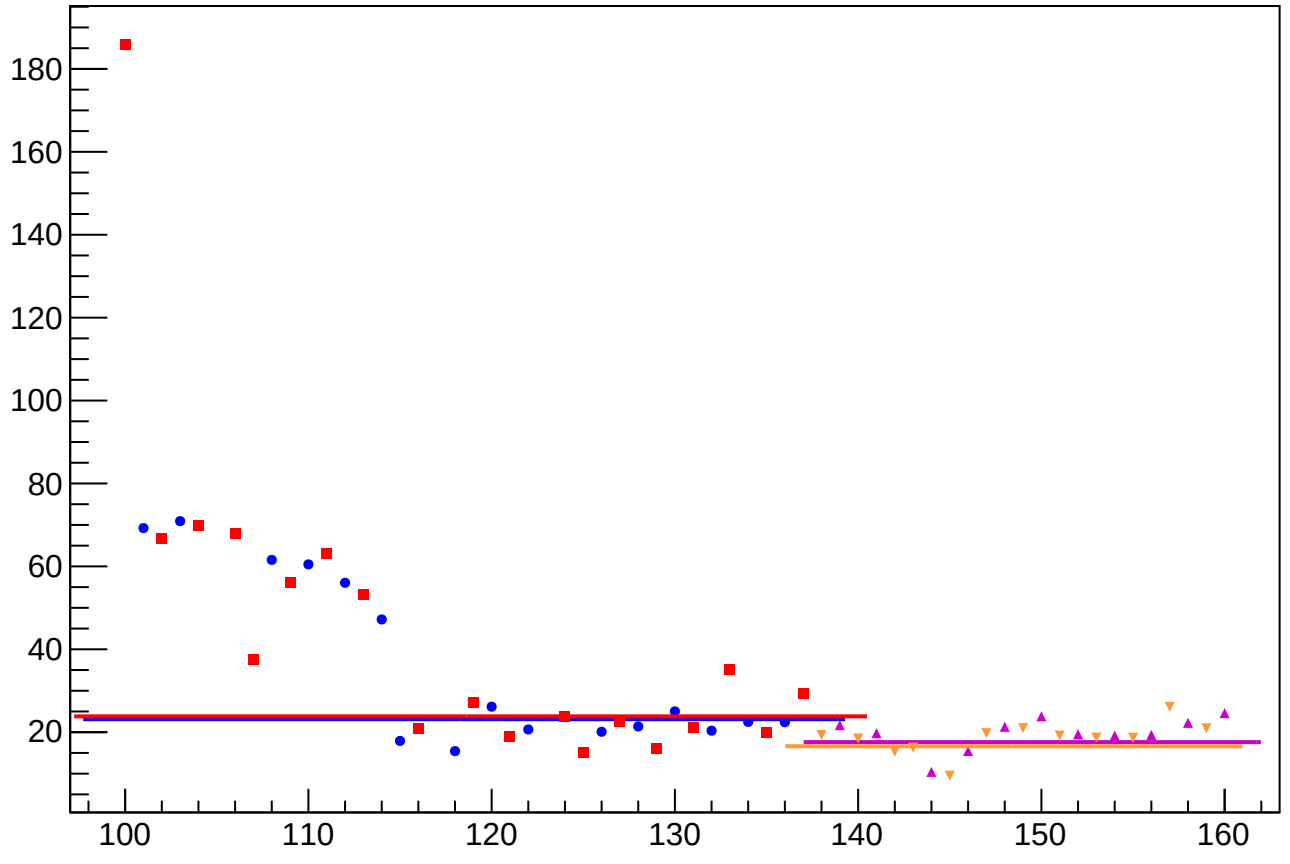
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:14.7/10

+ sign 0.004+/-0.005 χ^2/NDF: 23.7/27

All: 0.000+/-0.004 χ^2/NDF: 61.0/57

- 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: 16.614+/-0.004 χ^2/NDF:1309738.7/11

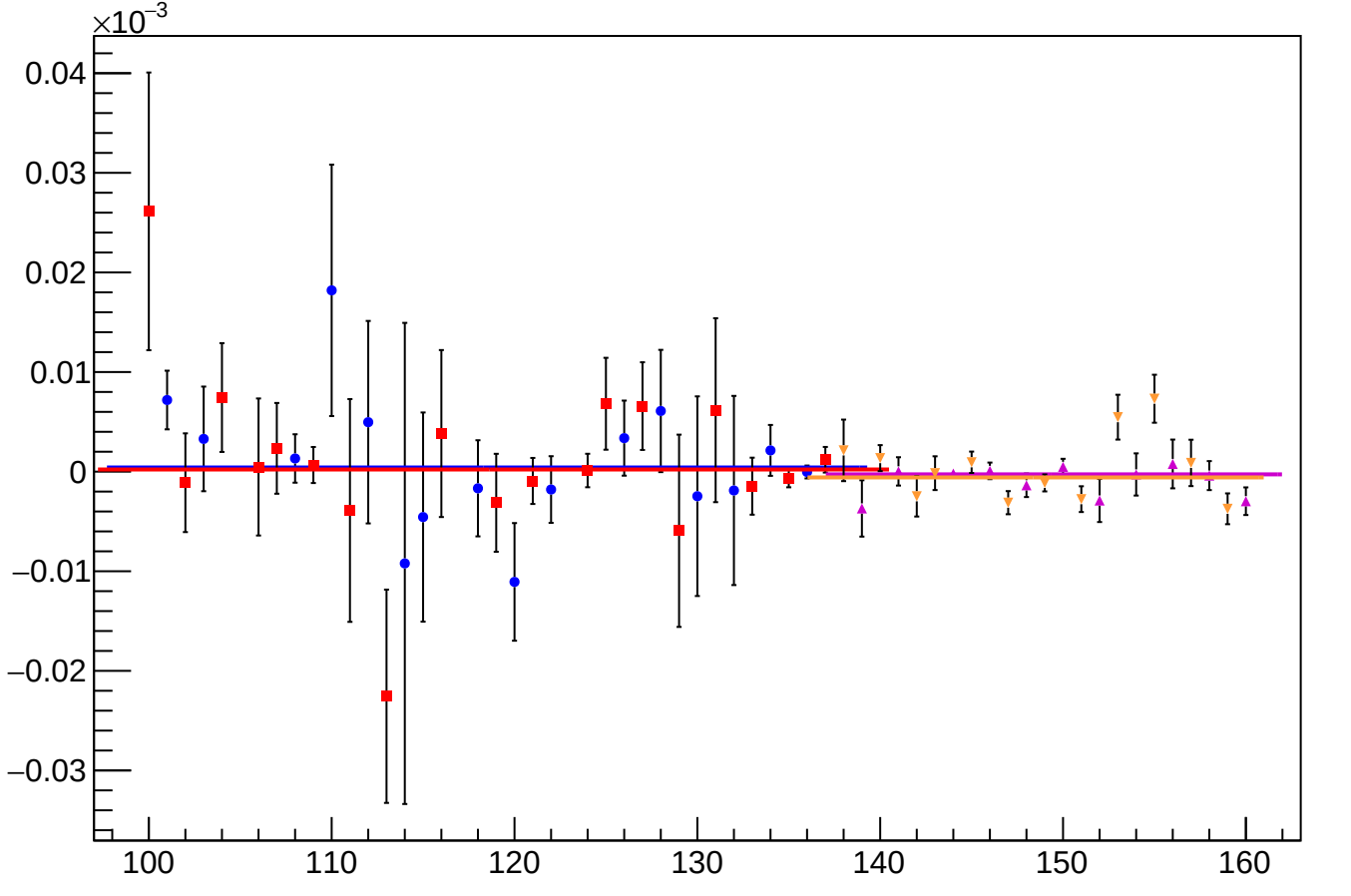
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.613+/-0.004 χ^2/NDF:1262118.6/10

\+ sign 18.249+/-0.003 χ^2/NDF: 4375795.5/27

All: 18.736+/-0.003 χ^2/NDF: 9135051.3/57

\- 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:36.5/11

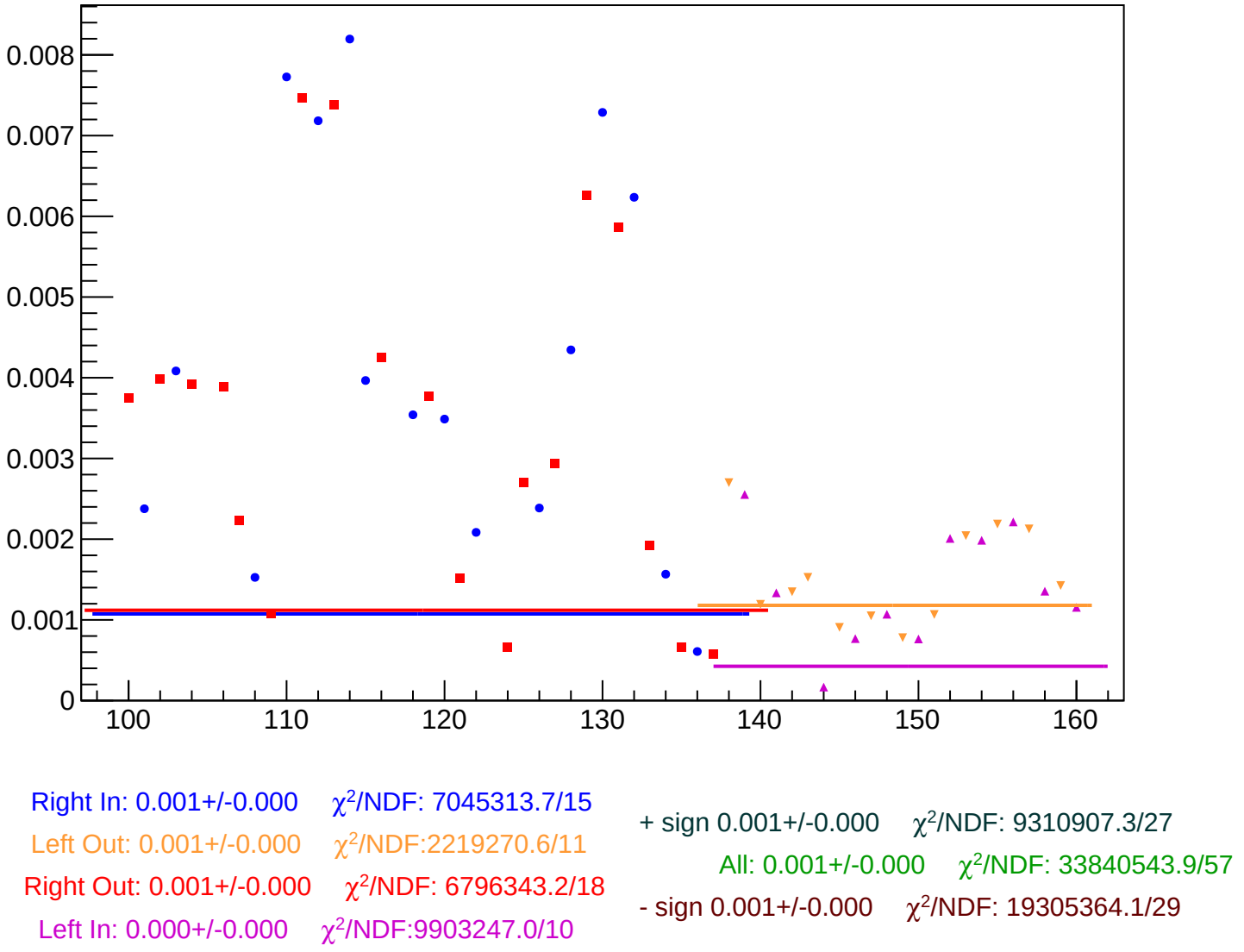
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

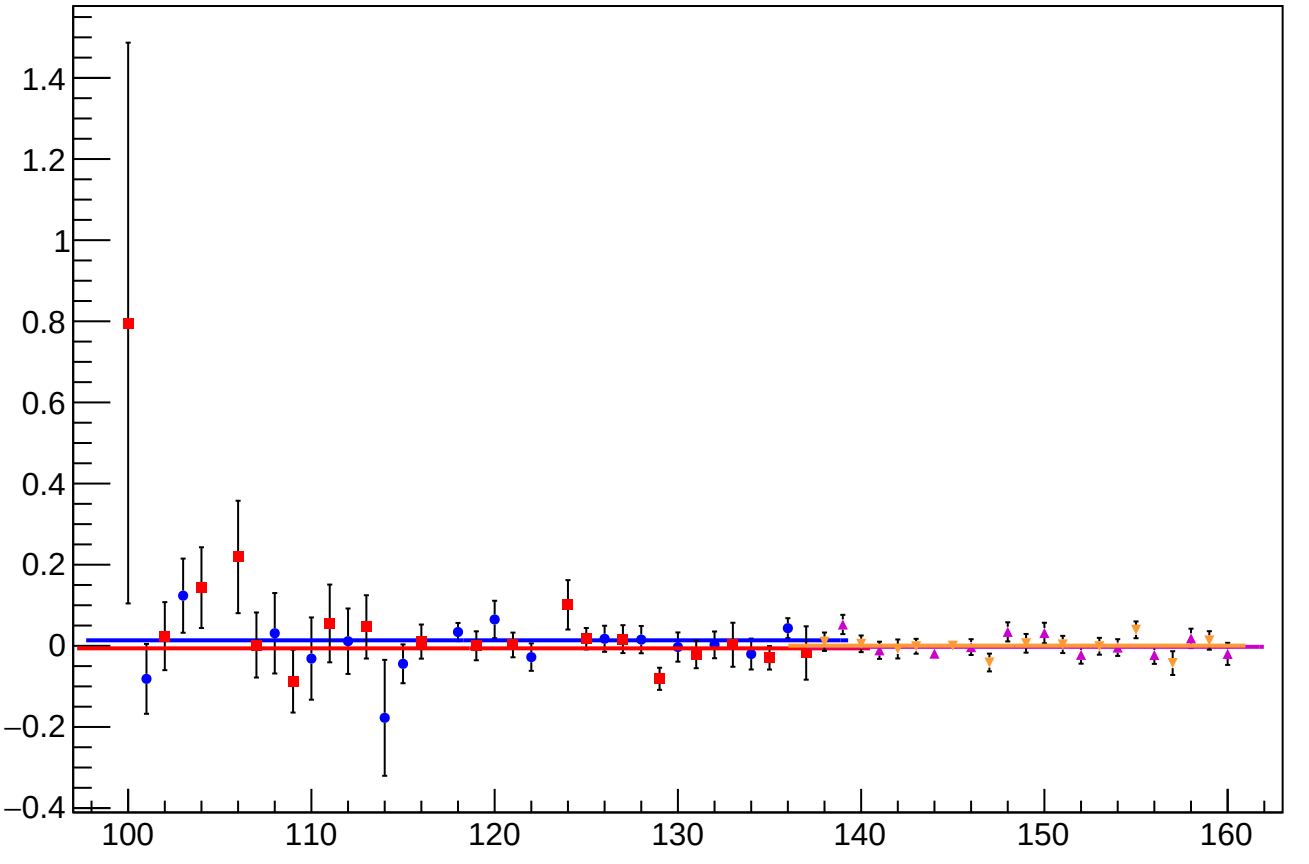
Left In: -0.000+/-0.000 χ^2/NDF:9.0/10

+ sign -0.000+/-0.000 χ^2/NDF: 53.8/27

All: -0.000+/-0.000 χ^2/NDF: 81.3/57

- 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
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: 7045313.7/15
Left Out: 0.001+/-0.000 χ²/NDF:2219270.6/11
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: 9310907.3/27
All: 0.001+/-0.000 χ²/NDF: 33840543.9/57
- sign 0.001+/-0.000 χ²/NDF: 19305364.1/29



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.006 χ^2/NDF:10.1/11

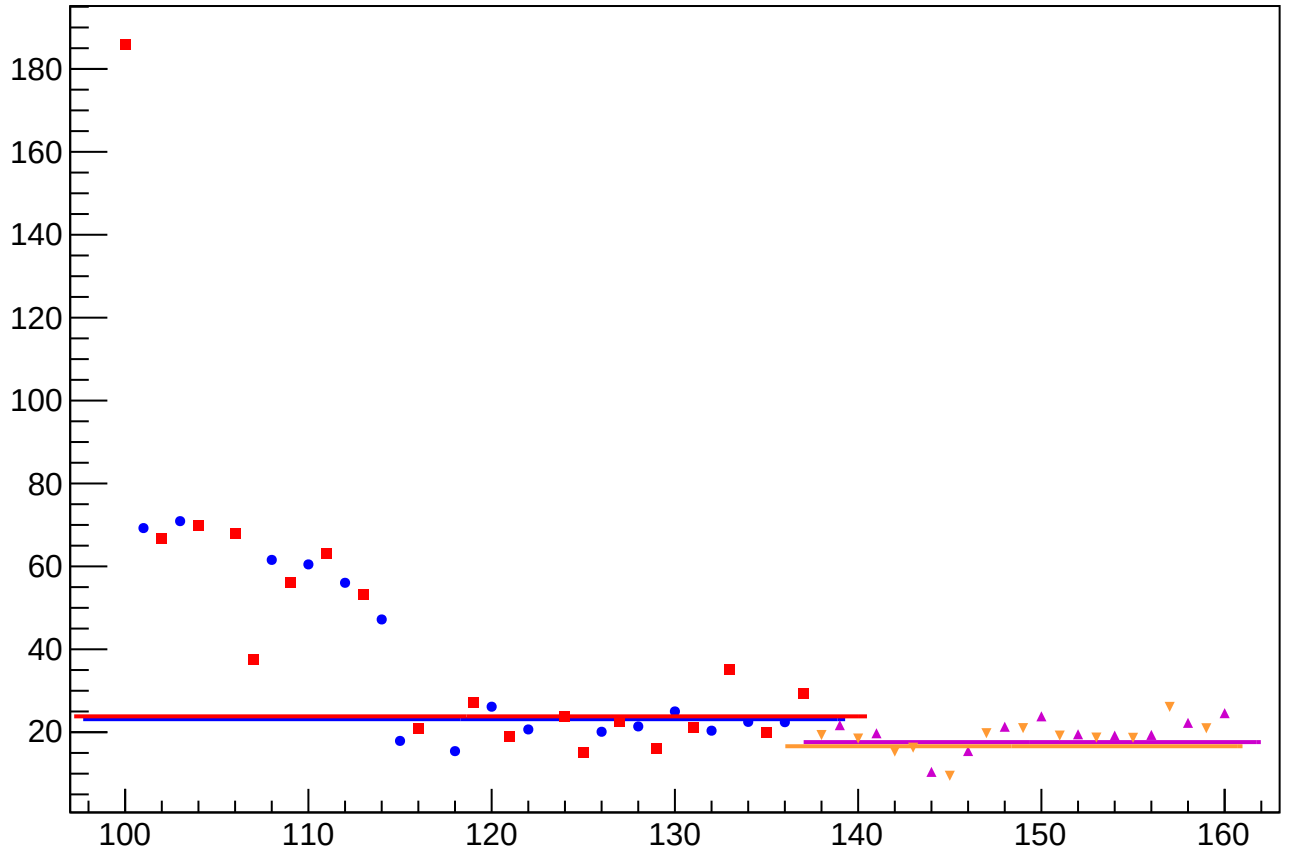
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:14.7/10

+ sign 0.004+/-0.005 χ^2/NDF: 23.7/27

All: 0.000+/-0.004 χ^2/NDF: 61.0/57

- 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: 16.614+/-0.004 χ^2/NDF:1309846.7/11

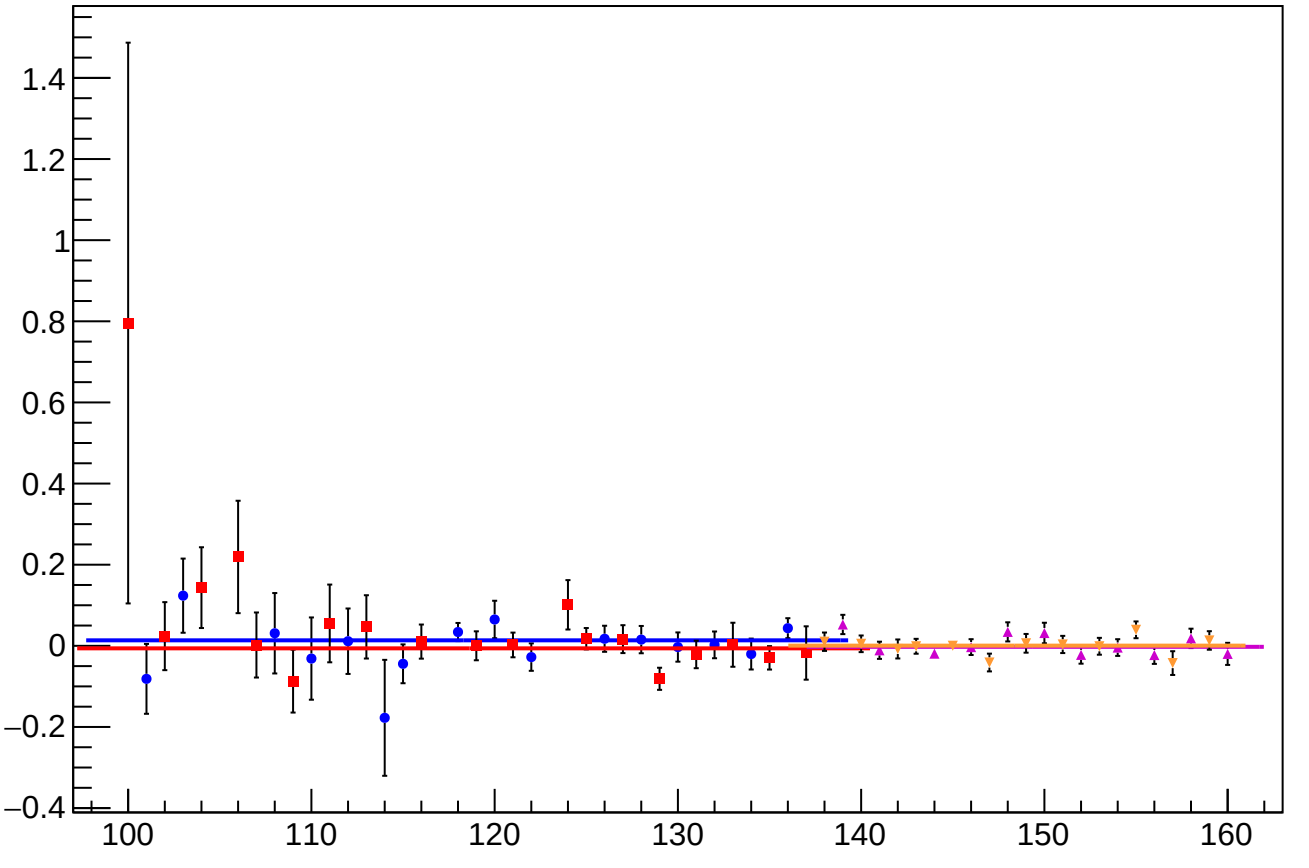
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.613+/-0.004 χ^2/NDF:1262097.4/10

+ sign 18.249+/-0.003 χ^2/NDF: 4375692.4/27

All: 18.736+/-0.003 χ^2/NDF: 9134763.8/57

- 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: 0.000+/-0.006 χ^2/NDF:10.1/11

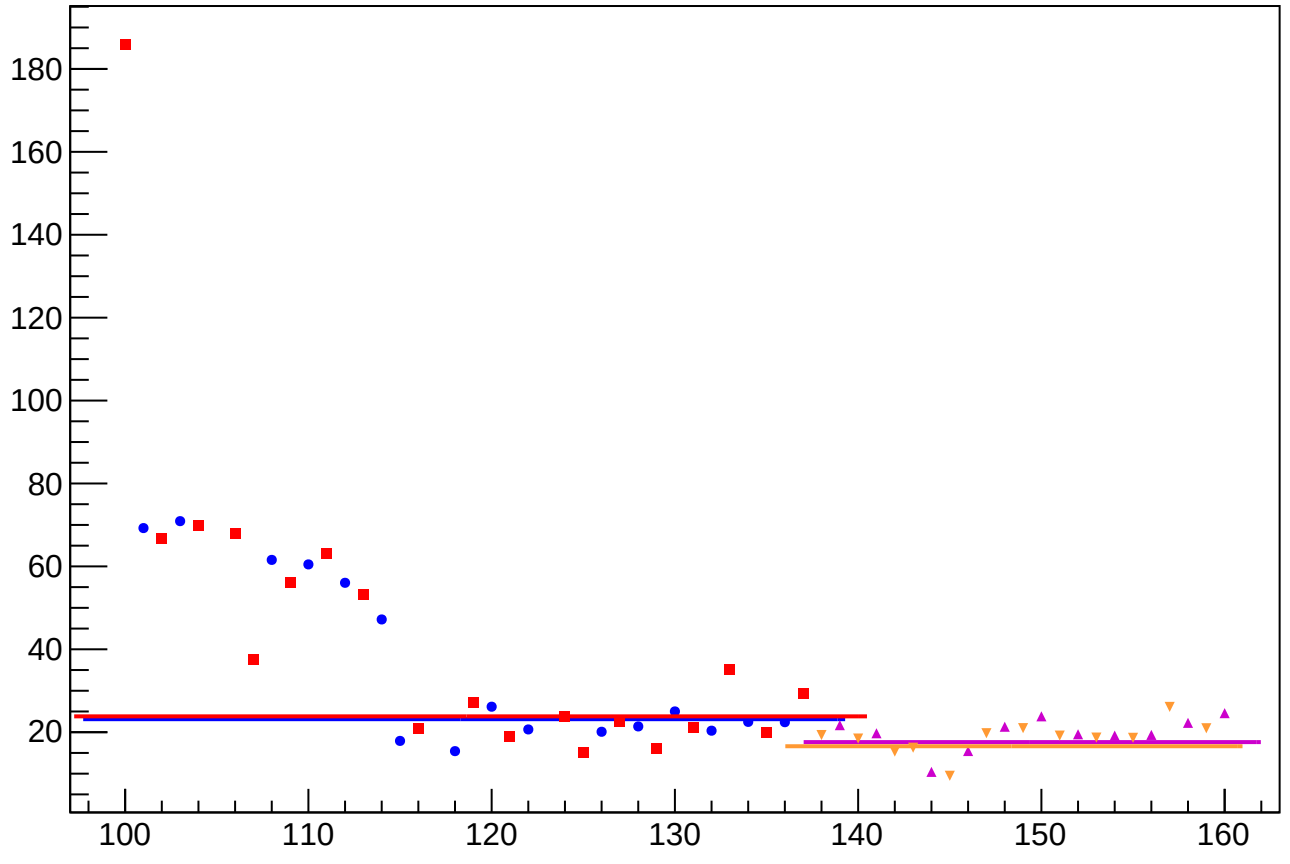
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.006 χ^2/NDF:14.7/10

+ sign 0.004+/-0.005 χ^2/NDF: 23.7/27

All: 0.000+/-0.004 χ^2/NDF: 61.0/57

- 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: 16.614+/-0.004 χ^2/NDF:1309846.7/11

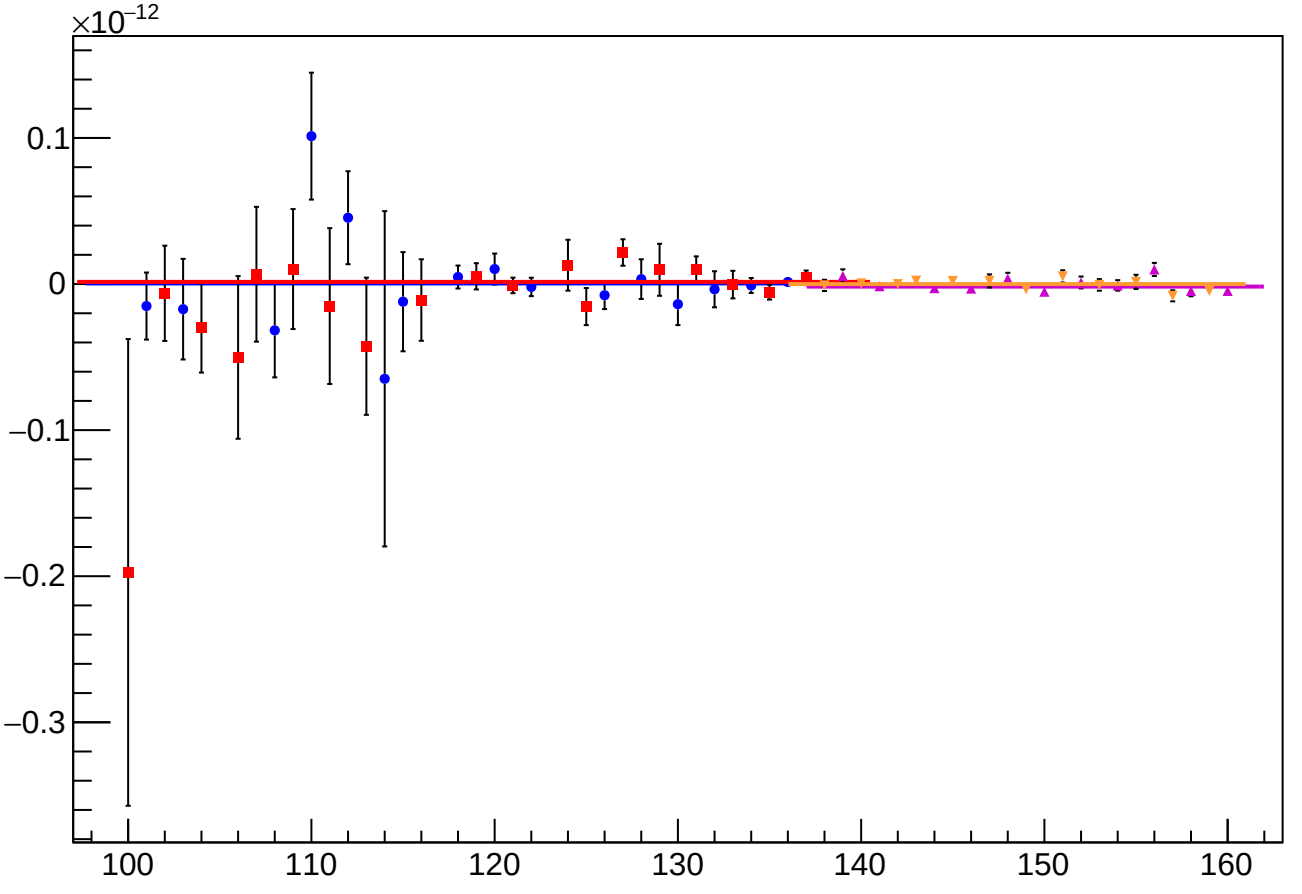
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.613+/-0.004 χ^2/NDF:1262097.4/10

\+ sign 18.249+/-0.003 χ^2/NDF: 4375692.4/27

All: 18.736+/-0.003 χ^2/NDF: 9134763.8/57

\- 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:12.0/11

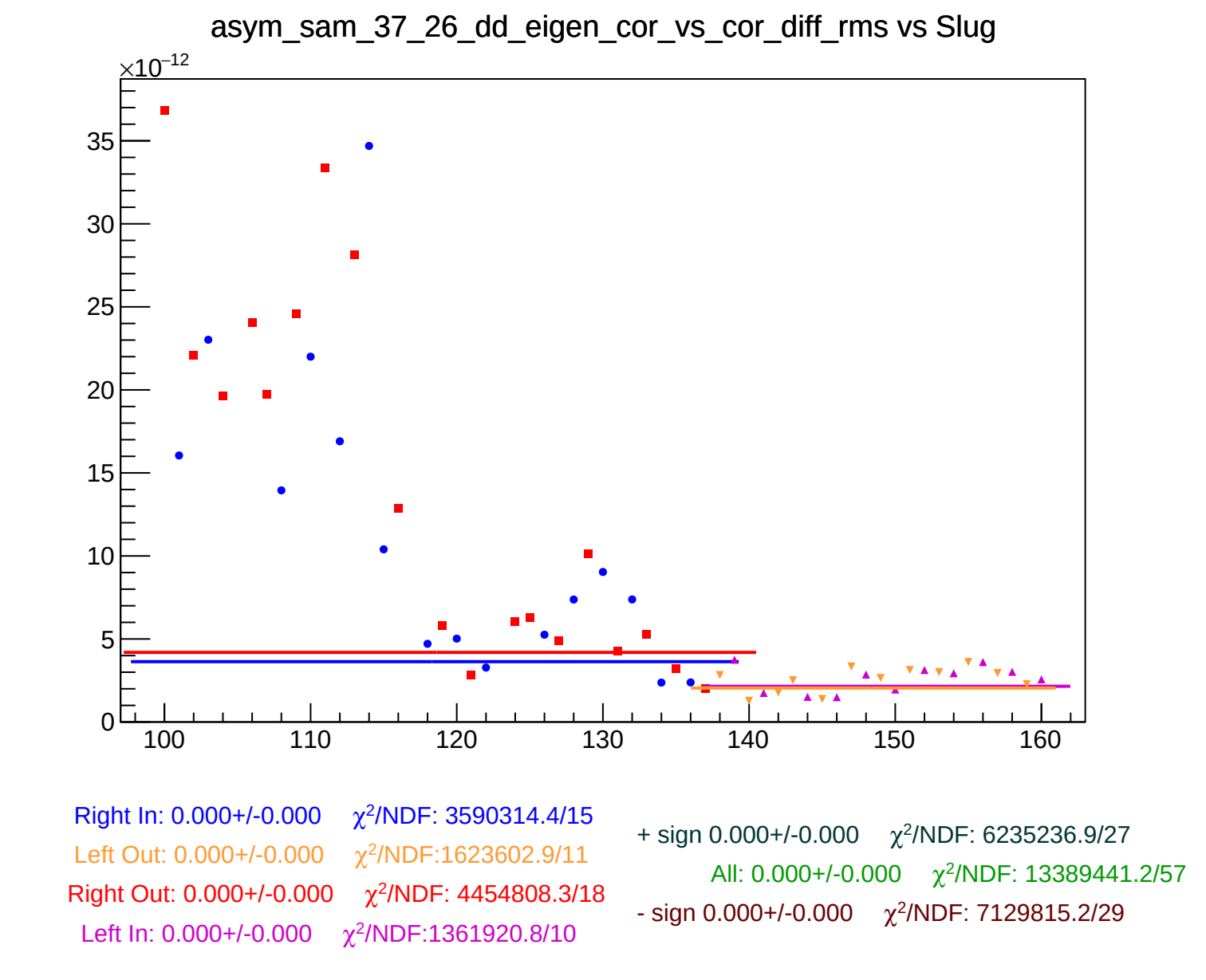
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/10

+ sign 0.000+/-0.000 χ^2/NDF: 24.9/27

All: -0.000+/-0.000 χ^2/NDF: 59.4/57

- 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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15
10
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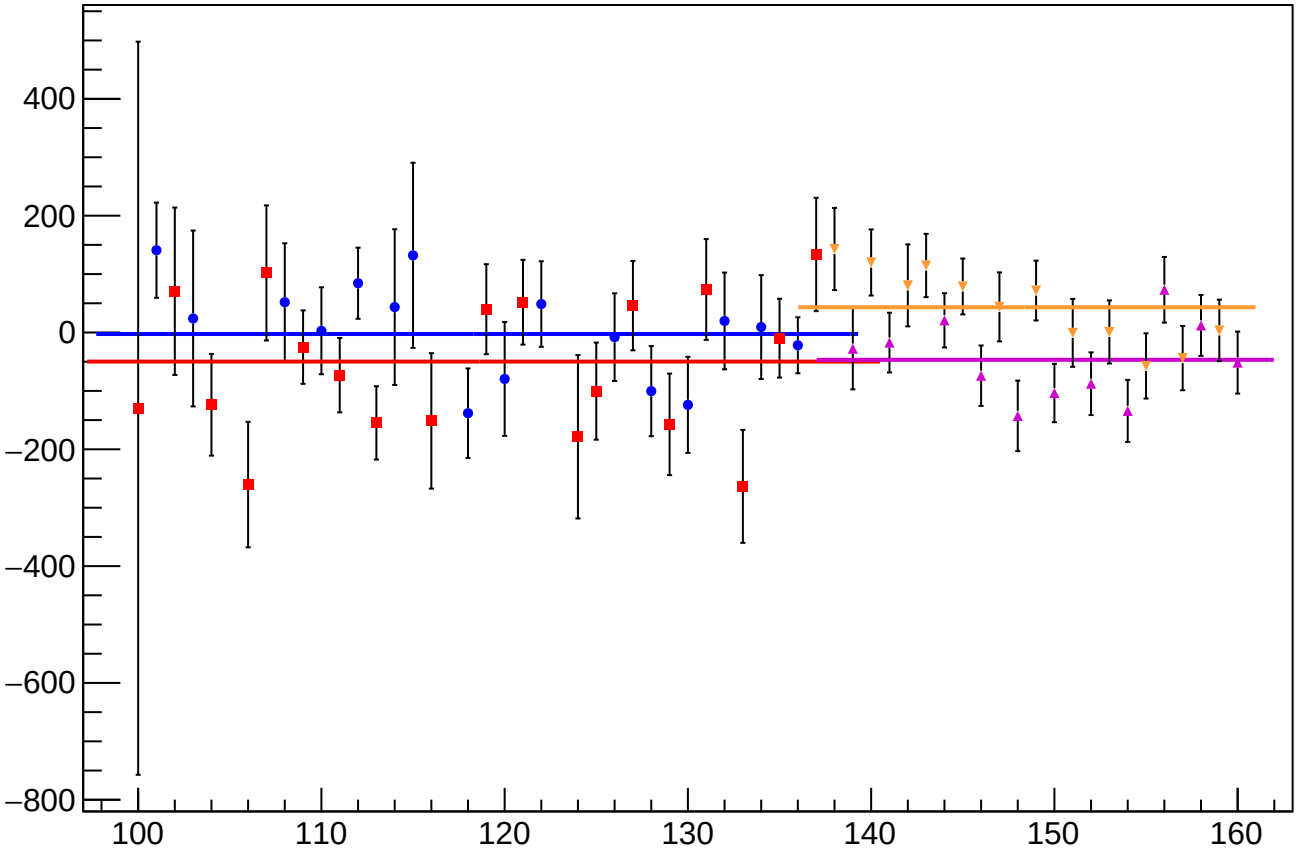
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1623602.9/11
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1361920.8/10
+ sign 0.000+/-0.000 χ²/NDF: 6235236.9/27
All: 0.000+/-0.000 χ²/NDF: 13389441.2/57
- sign 0.000+/-0.000 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: 43.192+/-16.190 χ^2/NDF:14.2/11

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

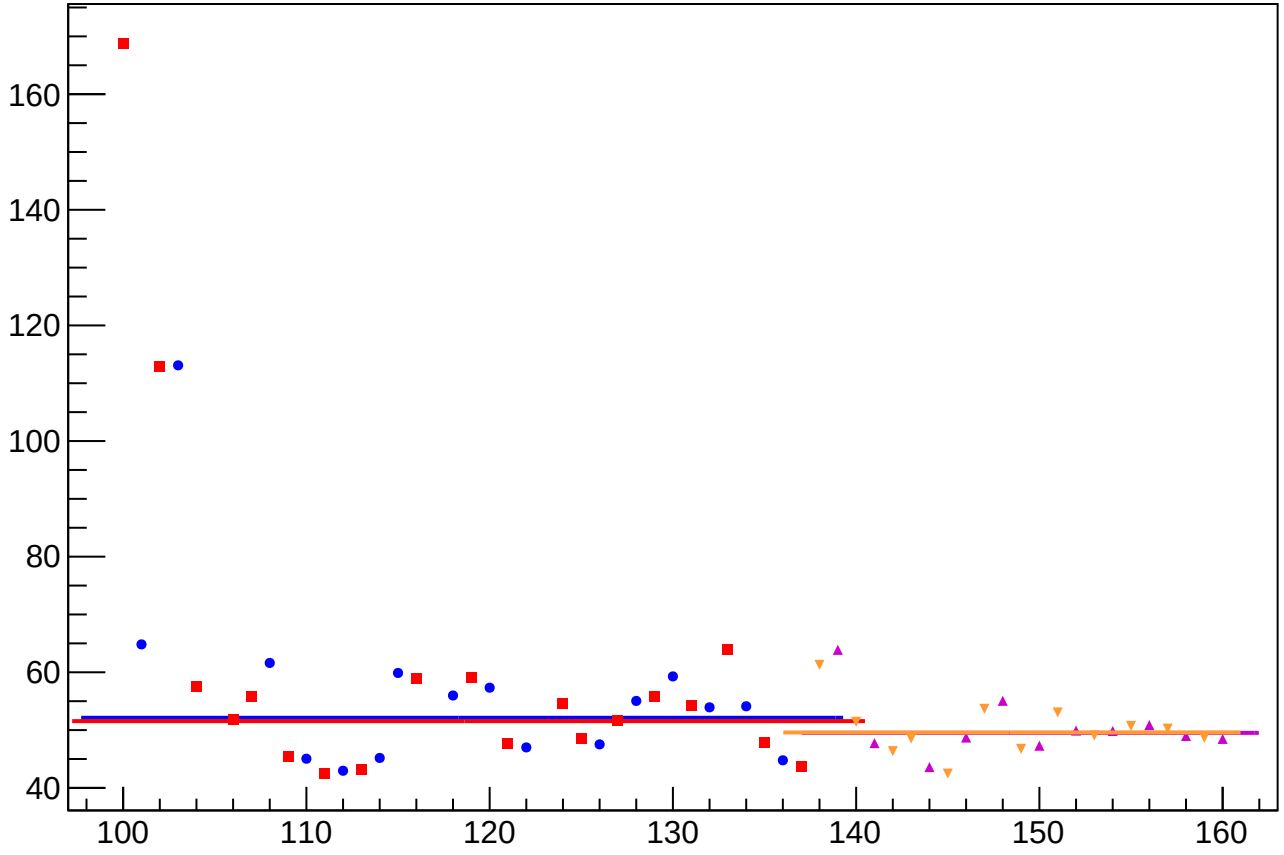
Left In: -46.773+/-16.134 χ^2/NDF:15.8/10

+ sign 25.052+/-12.583 χ^2/NDF: 32.0/27

All: -11.824+/-8.854 χ^2/NDF: 94.1/57

- 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: 49.585+/-0.011 χ^2/NDF:131354.3/11

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

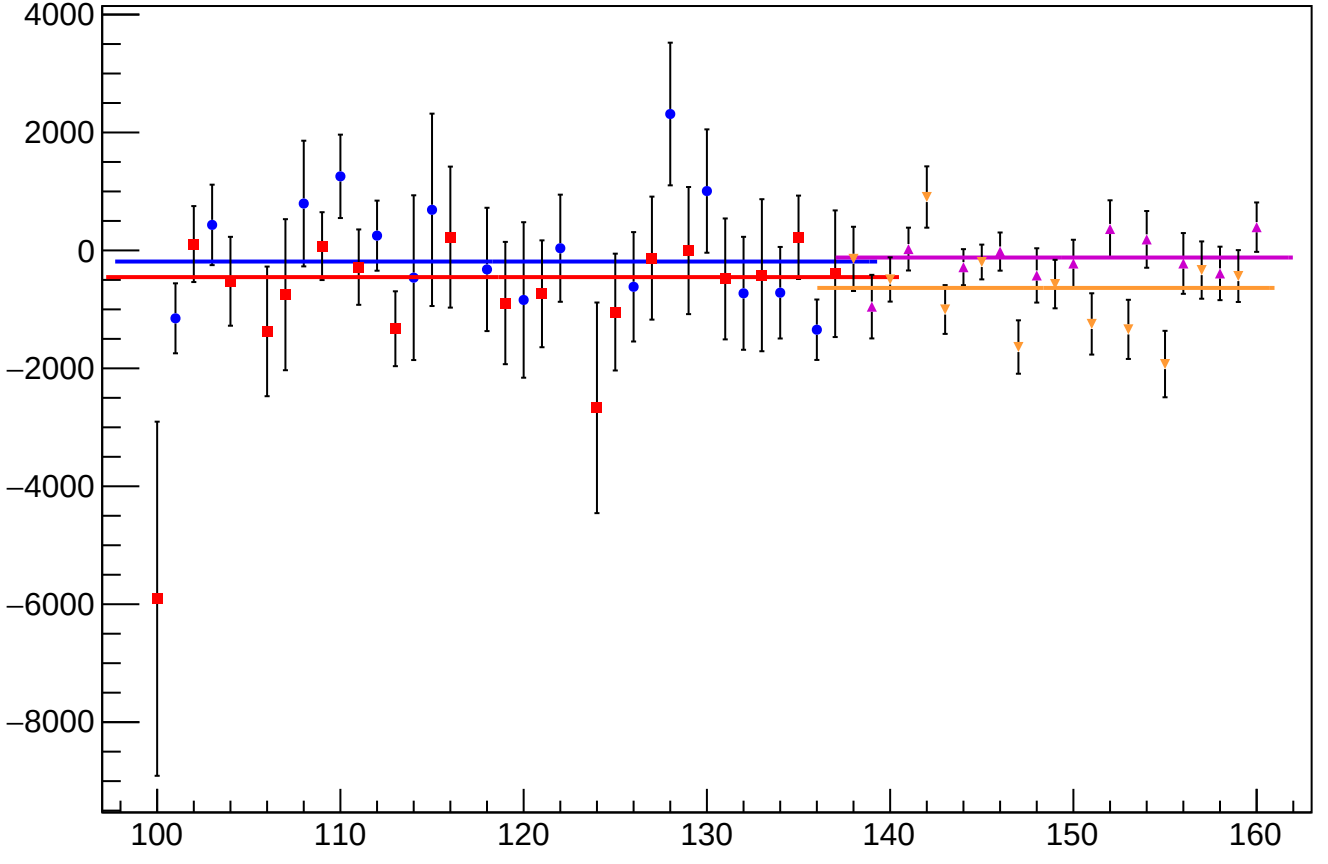
Left In: 49.519+/-0.011 χ^2/NDF:143502.7/10

+ sign 50.592+/-0.009 χ^2/NDF: 713818.6/27

All: 50.464+/-0.006 χ^2/NDF: 1510085.0/57

- 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: -636.018+/-126.455 χ^2/NDF:26.9/11

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

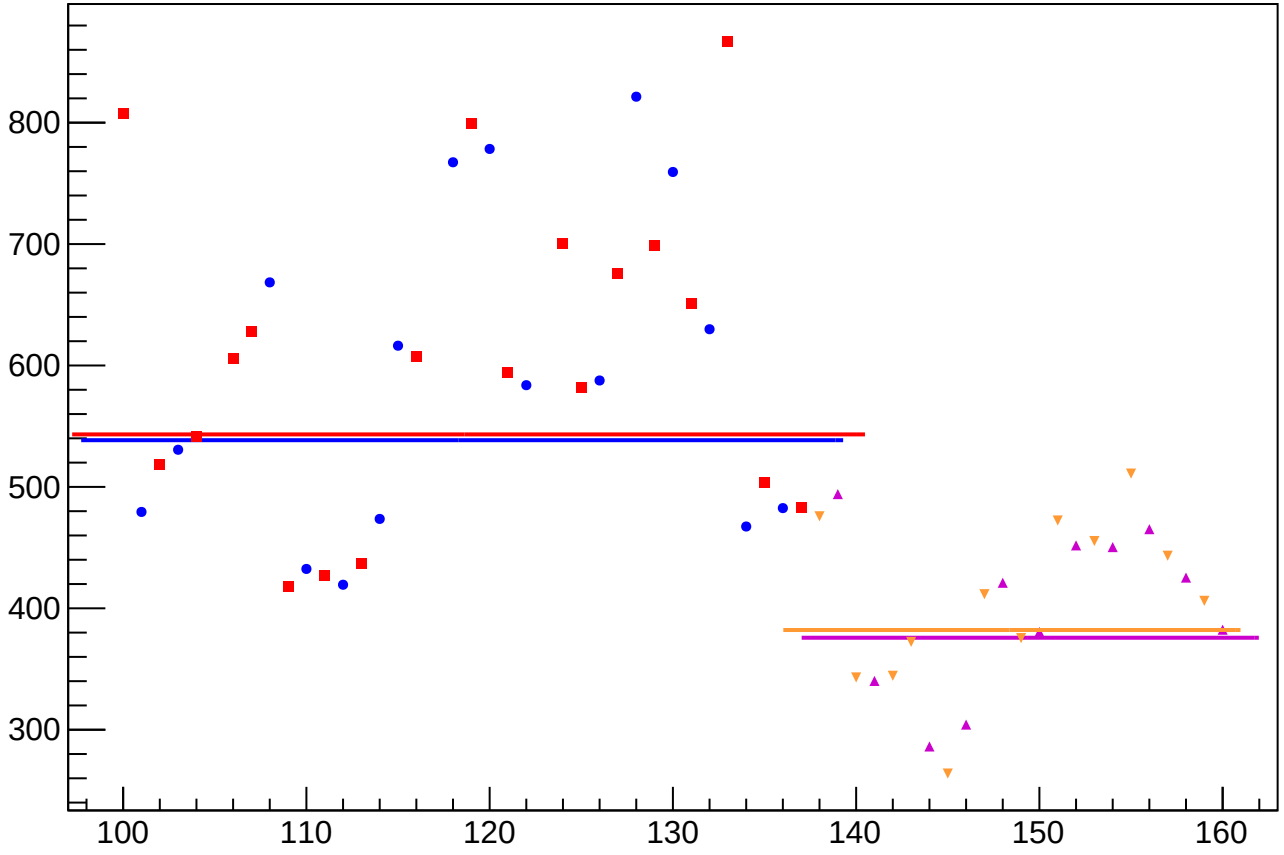
Left In: -120.573+/-123.996 χ^2/NDF:6.7/10

+ sign -513.391+/-107.742 χ^2/NDF: 51.7/27

All: -359.239+/-75.543 χ^2/NDF: 75.7/57

- 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: 382.145+/-0.089 χ^2/NDF:668086.6/11

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

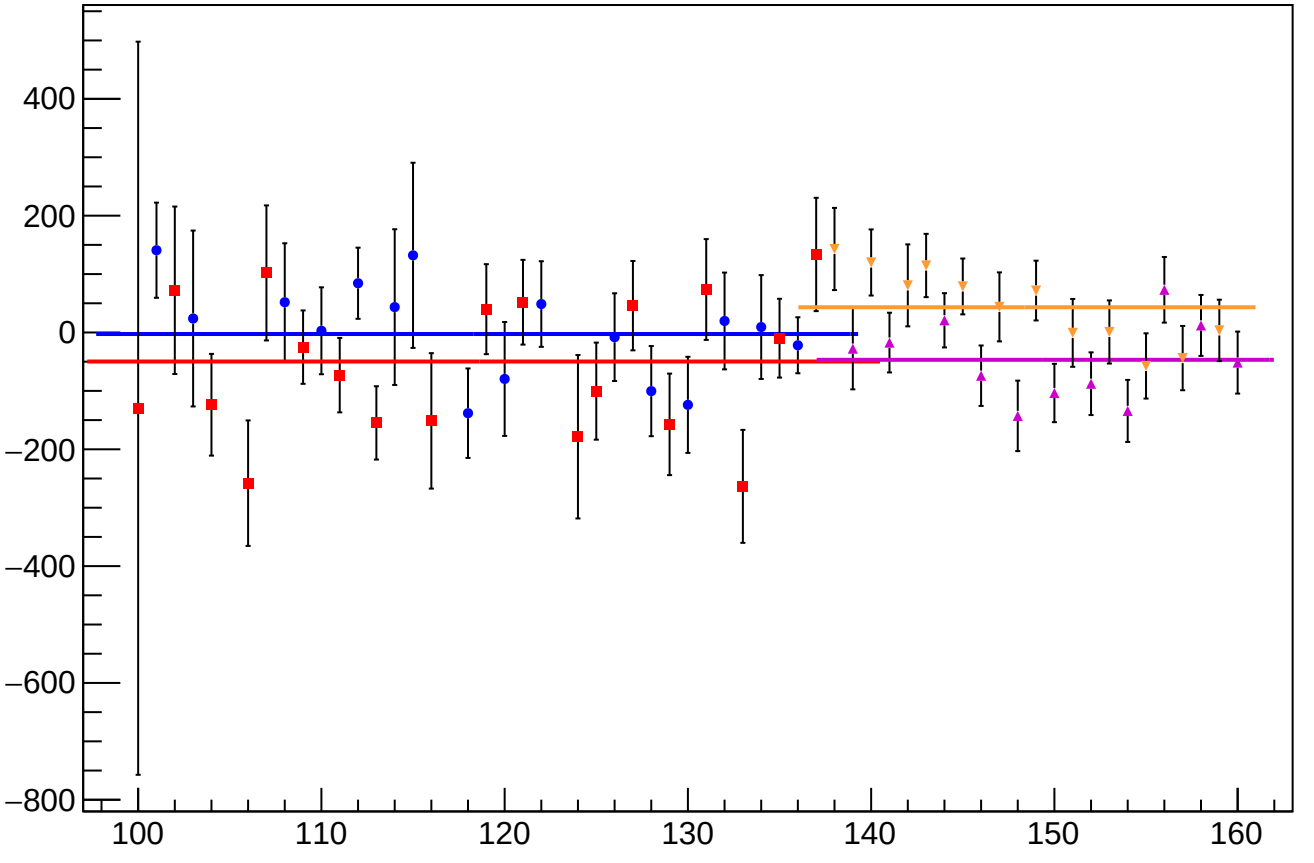
Left In: 375.772+/-0.088 χ^2/NDF:585997.4/10

+ sign 424.986+/-0.076 χ^2/NDF: 2119691.4/27

All: 422.949+/-0.053 χ^2/NDF: 4329017.9/57

- 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: 43.192+/-16.190 χ^2/NDF:14.2/11

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

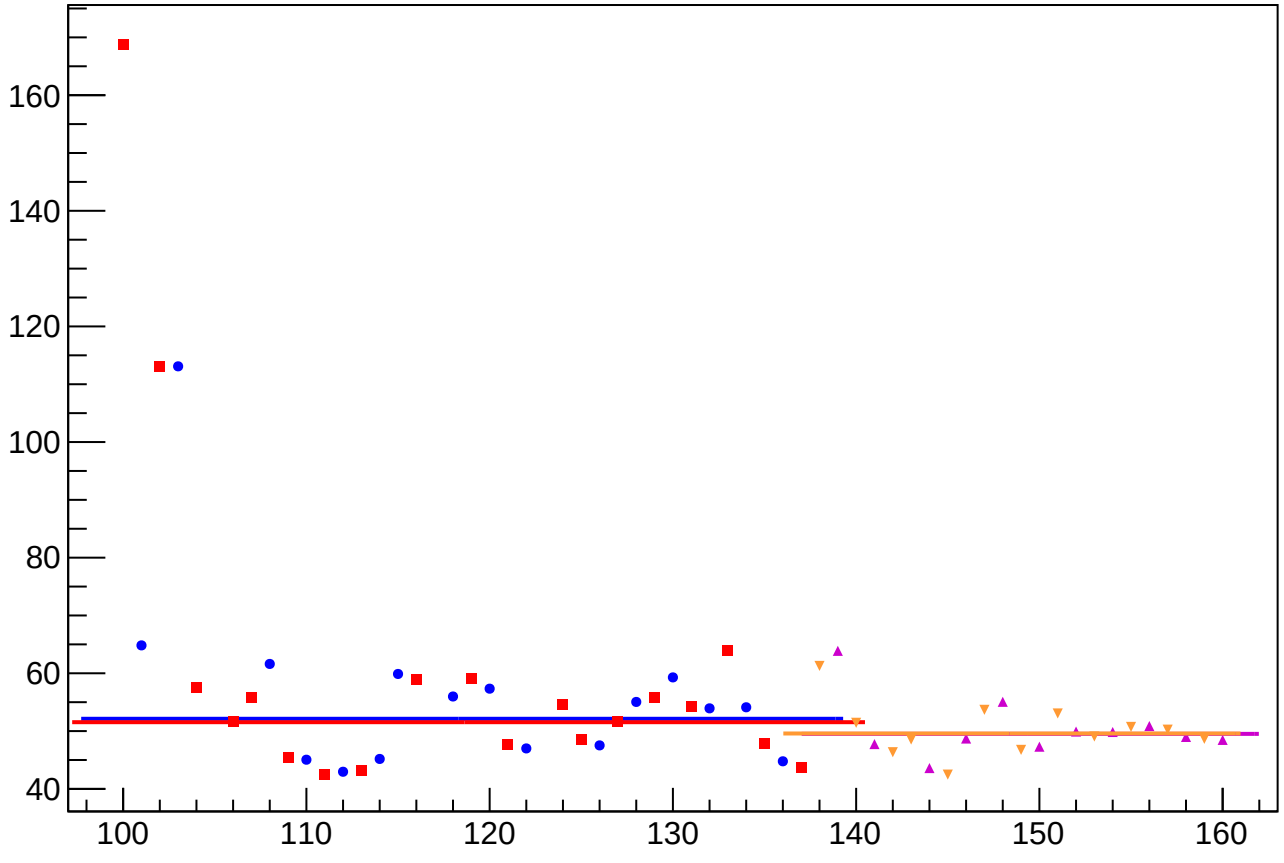
Left In: -46.774+/-16.134 χ^2/NDF:15.8/10

+ sign 25.050+/-12.583 χ^2/NDF: 32.0/27

All: -11.801+/-8.854 χ^2/NDF: 94.0/57

- 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: 49.585+/-0.011 χ^2/NDF:131354.3/11

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

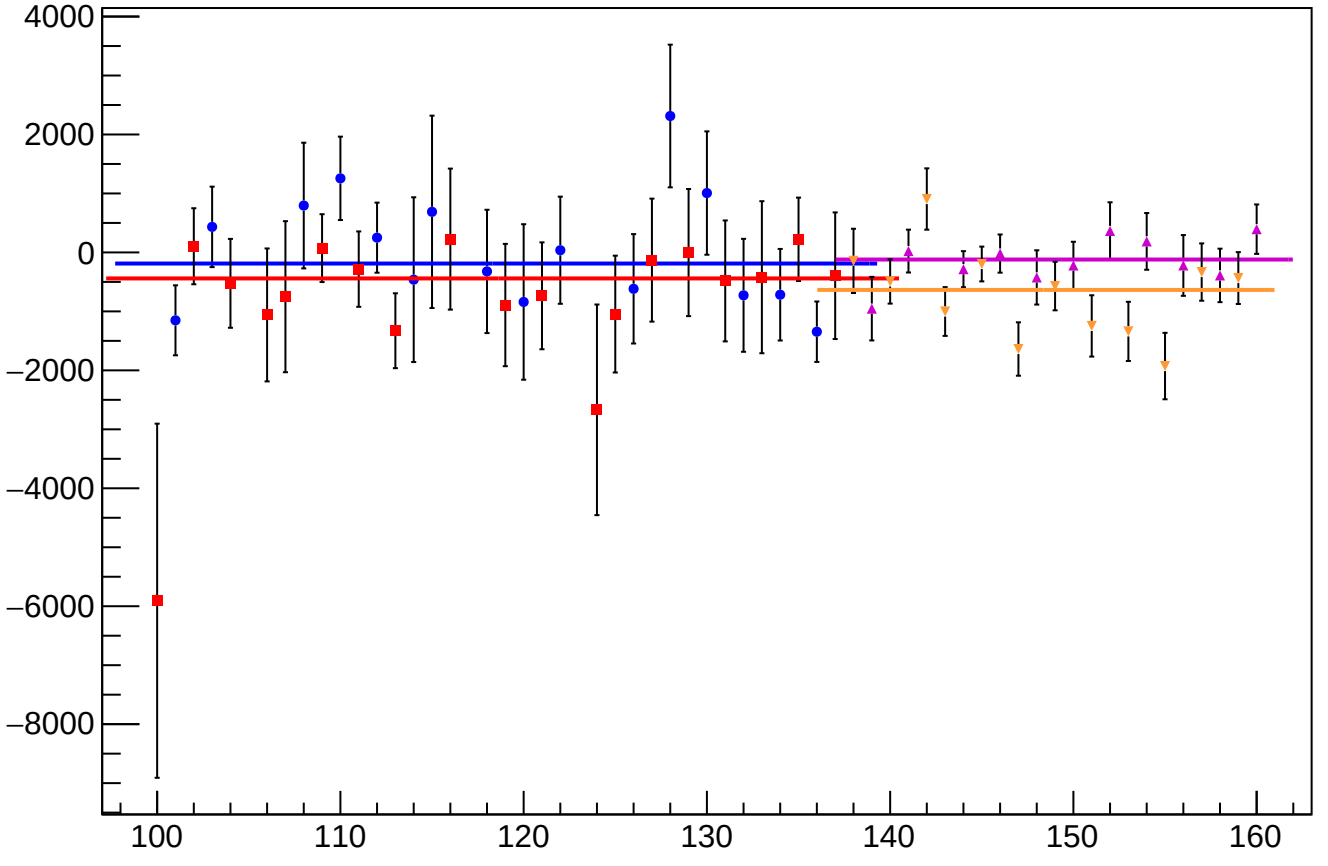
Left In: 49.519+/-0.011 χ^2/NDF:143502.7/10

+ sign 50.592+/-0.009 χ^2/NDF: 713820.8/27

All: 50.462+/-0.006 χ^2/NDF: 1510191.0/57

- 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: -636.016+/-126.455 χ^2/NDF:26.9/11

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

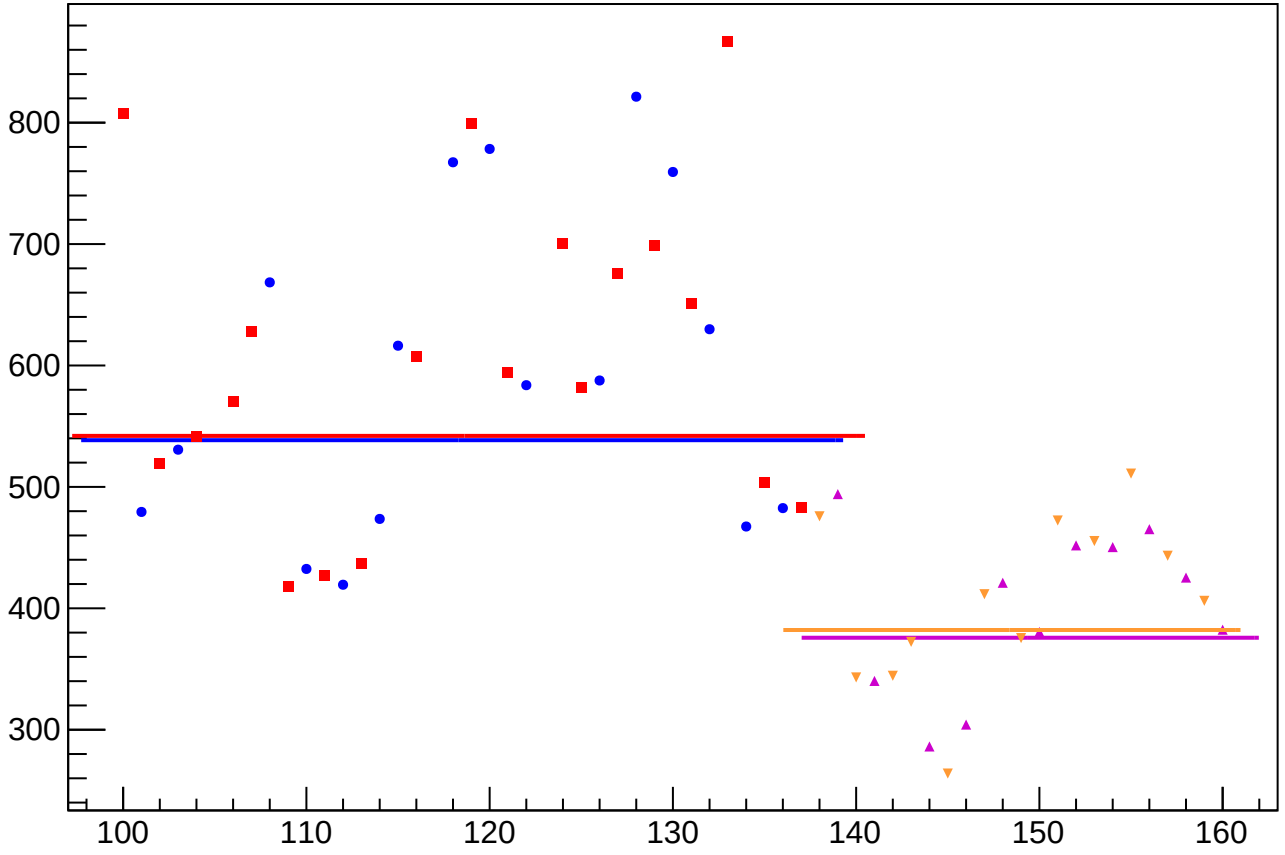
Left In: -120.576+/-123.996 χ^2/NDF:6.7/10

+ sign -513.385+/-107.743 χ^2/NDF: 51.7/27

All: -357.656+/-75.552 χ^2/NDF: 75.2/57

- 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: 382.145+/-0.089 χ^2/NDF:668090.1/11

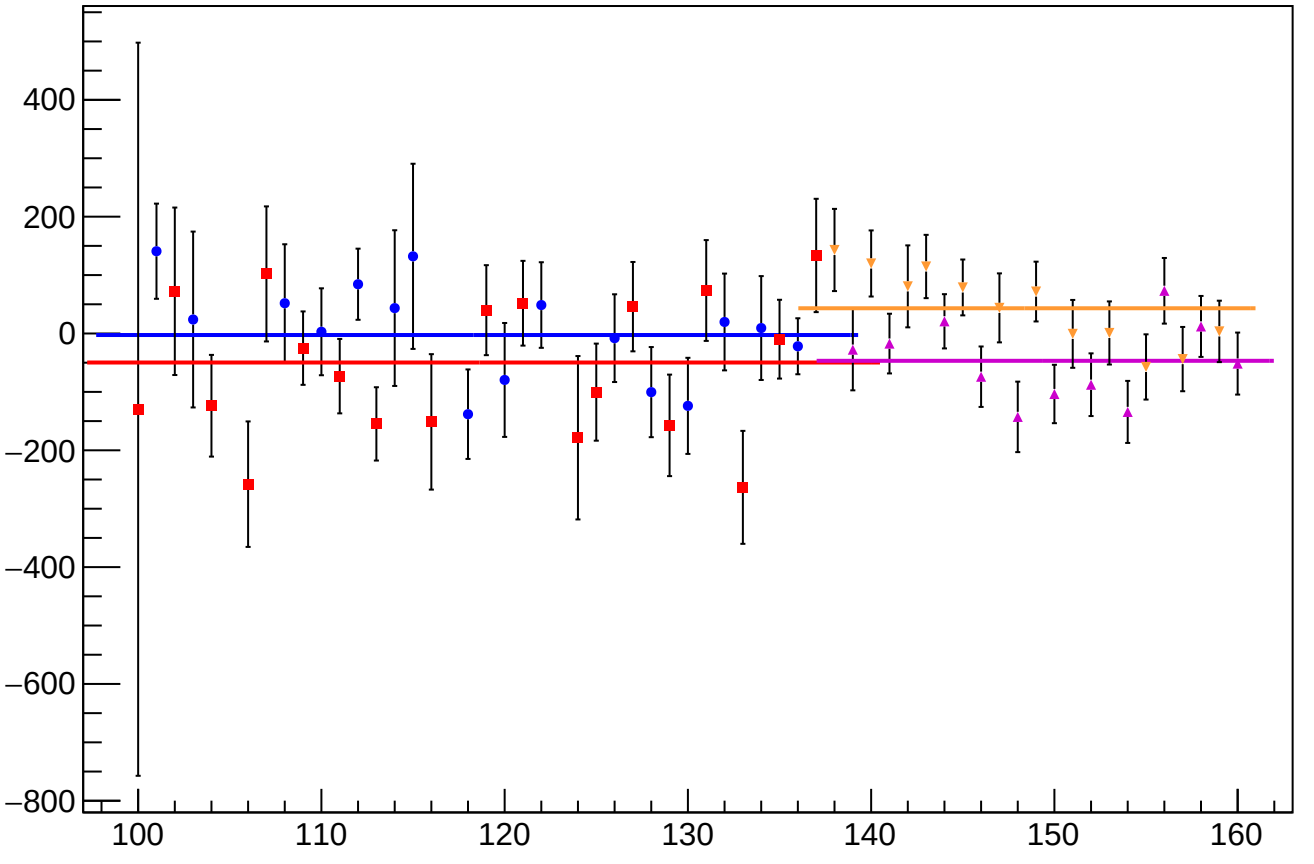
Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 375.772+/-0.088 χ^2/NDF:585995.8/10

+ sign 424.987+/-0.076 χ^2/NDF: 2119737.3/27

All: 422.751+/-0.053 χ^2/NDF: 4308200.5/57

- sign 420.588+/-0.075 χ^2/NDF: 2186769.1/29



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 43.192+/-16.190 χ^2/NDF:14.2/11

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

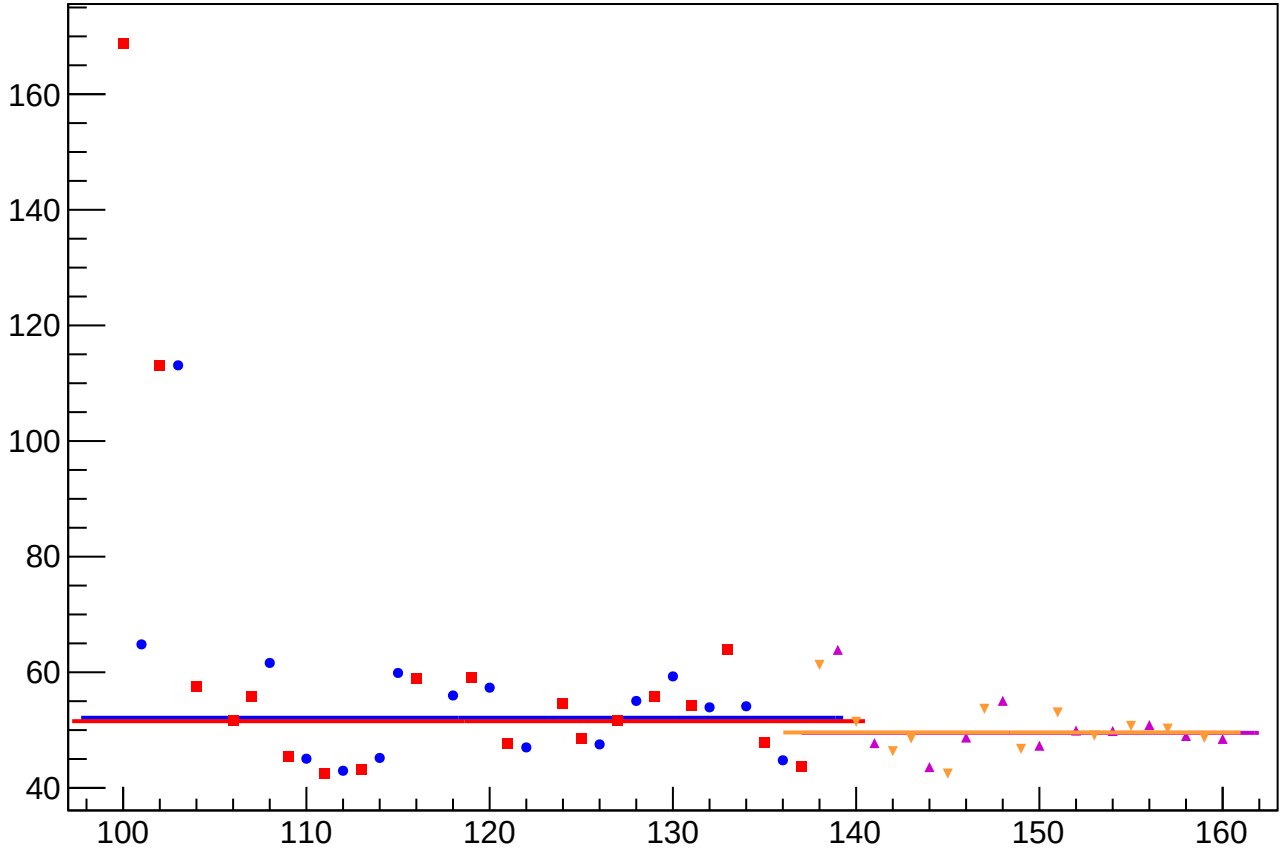
Left In: -46.774+/-16.134 χ^2/NDF:15.8/10

+ sign 25.050+/-12.583 χ^2/NDF: 32.0/27

All: -11.801+/-8.854 χ^2/NDF: 94.0/57

- 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: 49.585+/-0.011 χ^2/NDF:131354.3/11

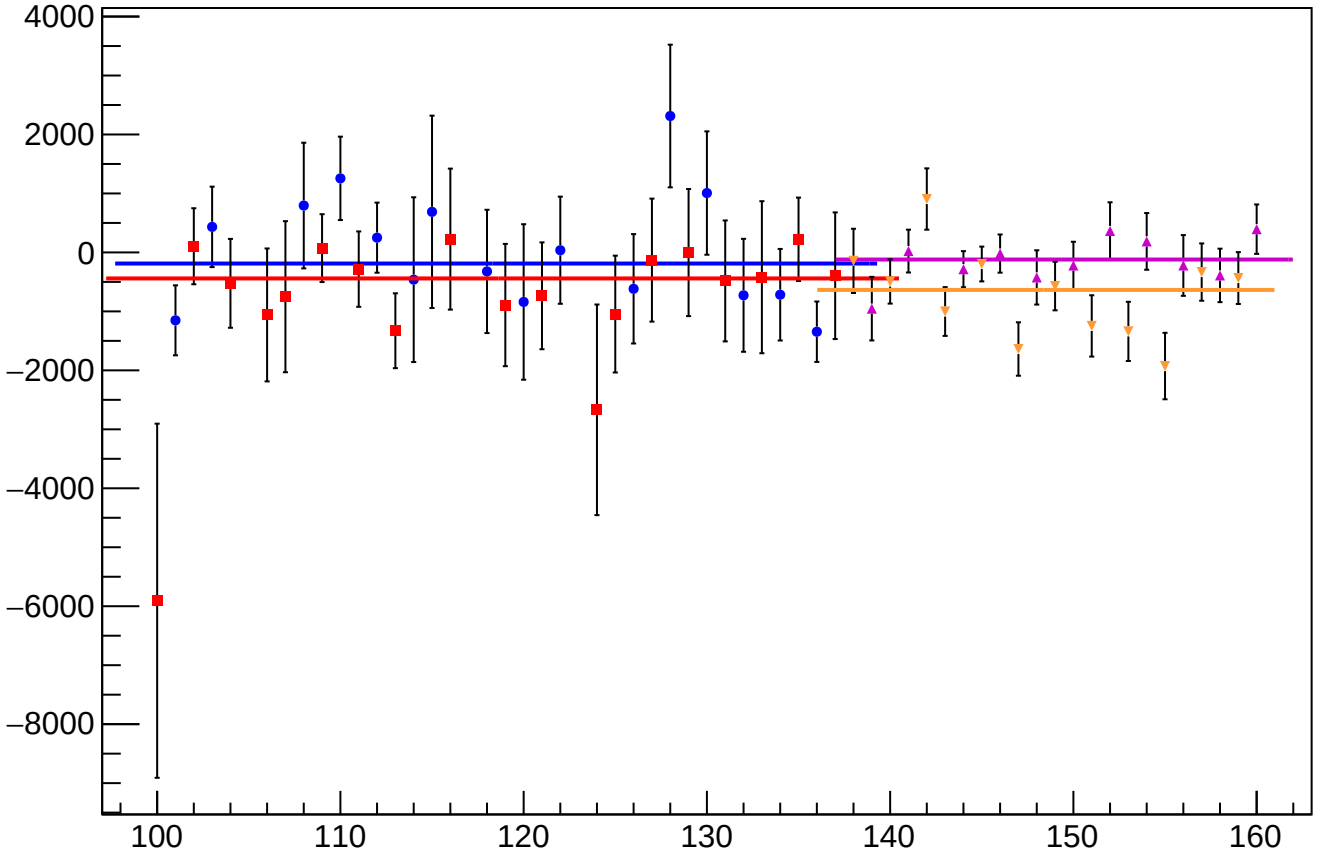
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.519+/-0.011 χ^2/NDF:143502.7/10

+ sign 50.592+/-0.009 χ^2/NDF: 713820.8/27

All: 50.462+/-0.006 χ^2/NDF: 1510191.0/57

- 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: -636.016+/-126.455 χ^2/NDF:26.9/11

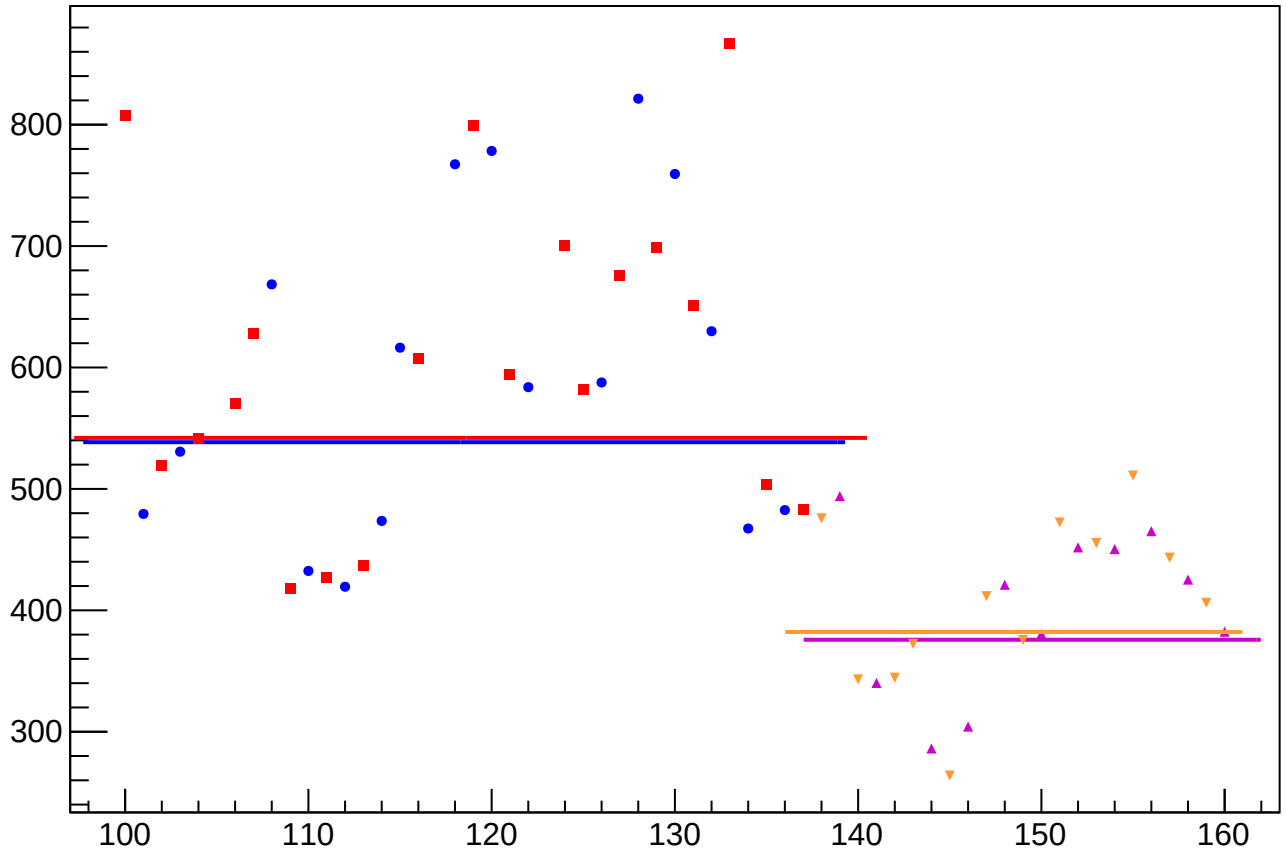
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -120.576+/-123.996 χ^2/NDF:6.7/10

+ sign -513.385+/-107.743 χ^2/NDF: 51.7/27

All: -357.656+/-75.552 χ^2/NDF: 75.2/57

- sign -206.998+/-105.974 χ^2/NDF: 19.4/29



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 382.145+/-0.089 χ^2/NDF:668090.1/11

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

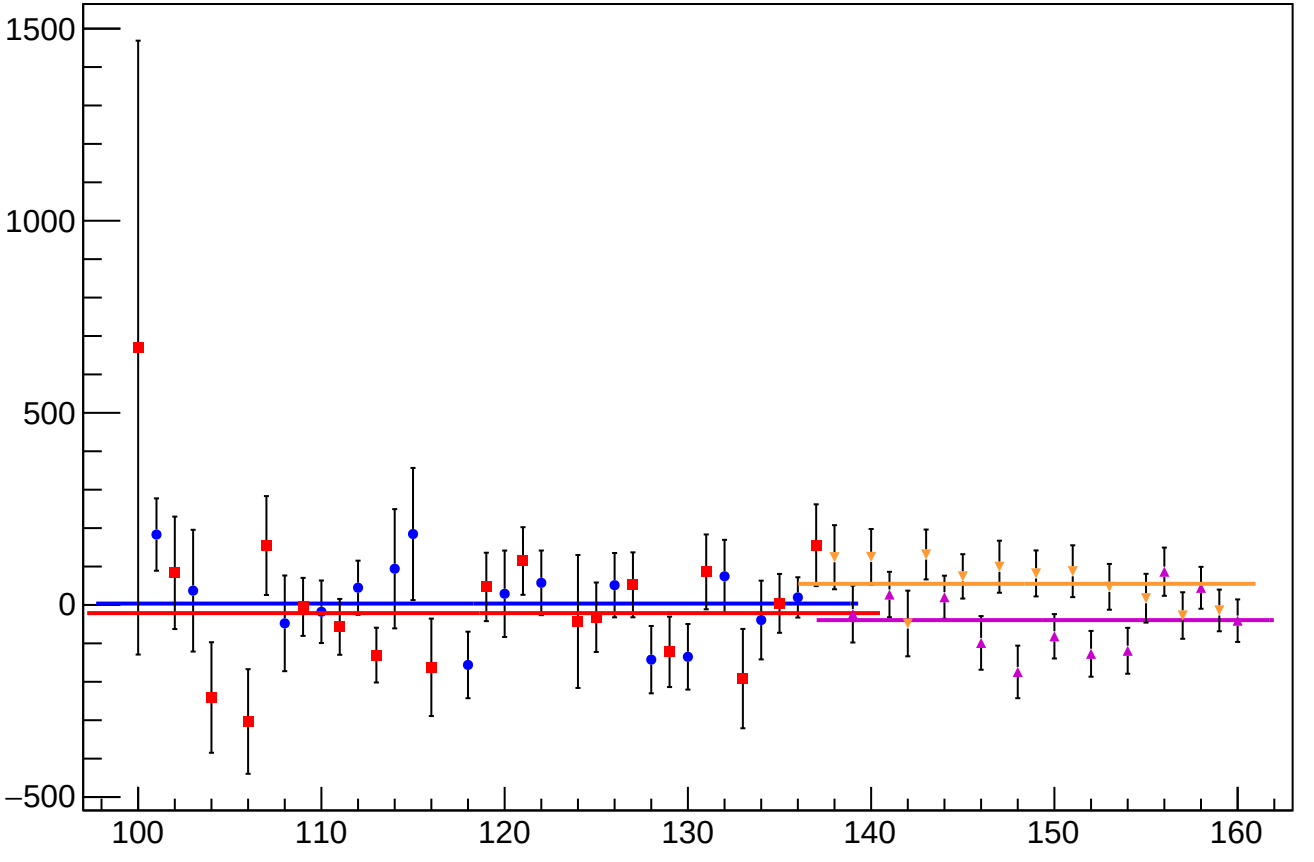
Left In: 375.772+/-0.088 χ^2/NDF:585995.8/10

+ sign 424.987+/-0.076 χ^2/NDF: 2119737.3/27

All: 422.751+/-0.053 χ^2/NDF: 4308200.5/57

- 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: 54.986+/-18.678 χ^2/NDF:9.3/11

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

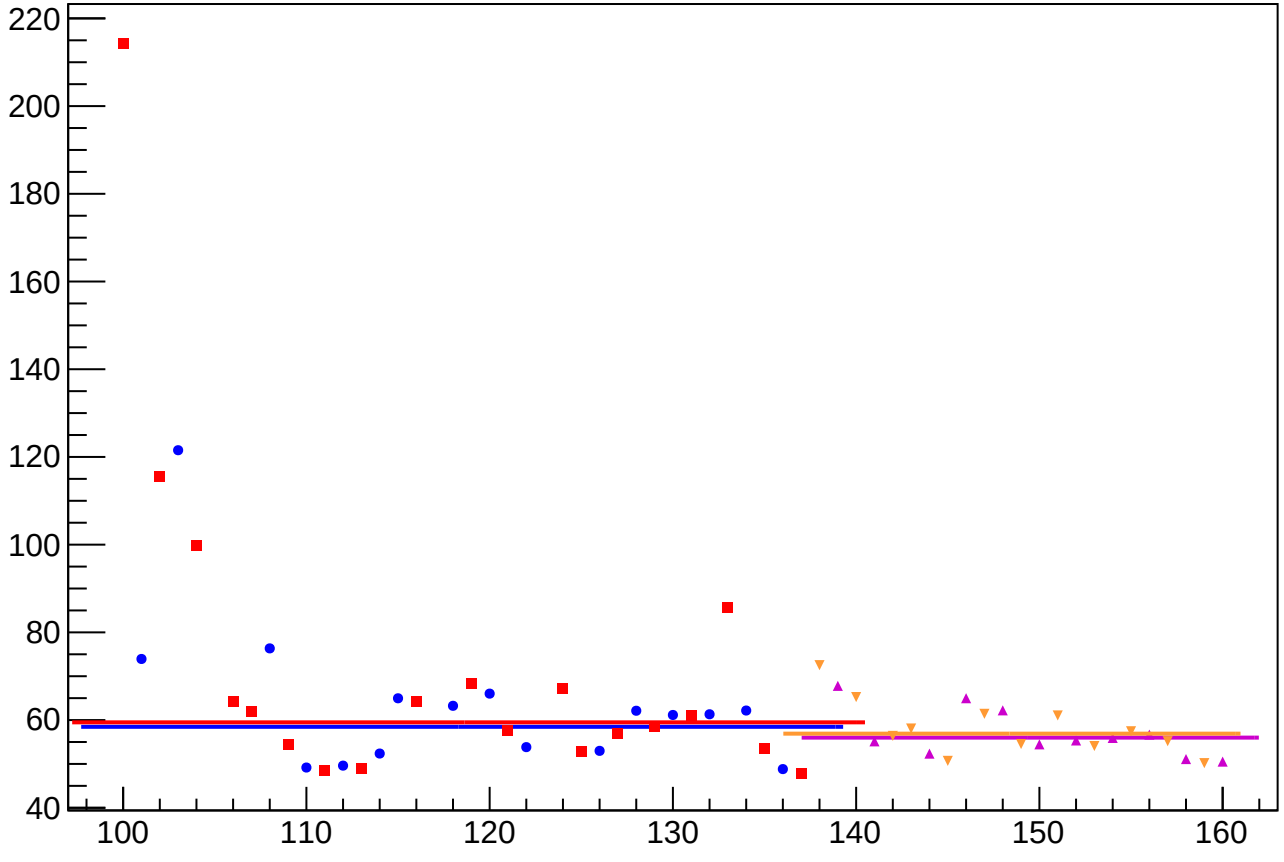
Left In: -39.483+/-18.310 χ^2/NDF:17.9/10

+ sign 33.999+/-14.366 χ^2/NDF: 28.5/27

All: 0.612+/-10.124 χ^2/NDF: 82.0/57

- 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: 56.903+/-0.013 χ^2/NDF:176988.8/11

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

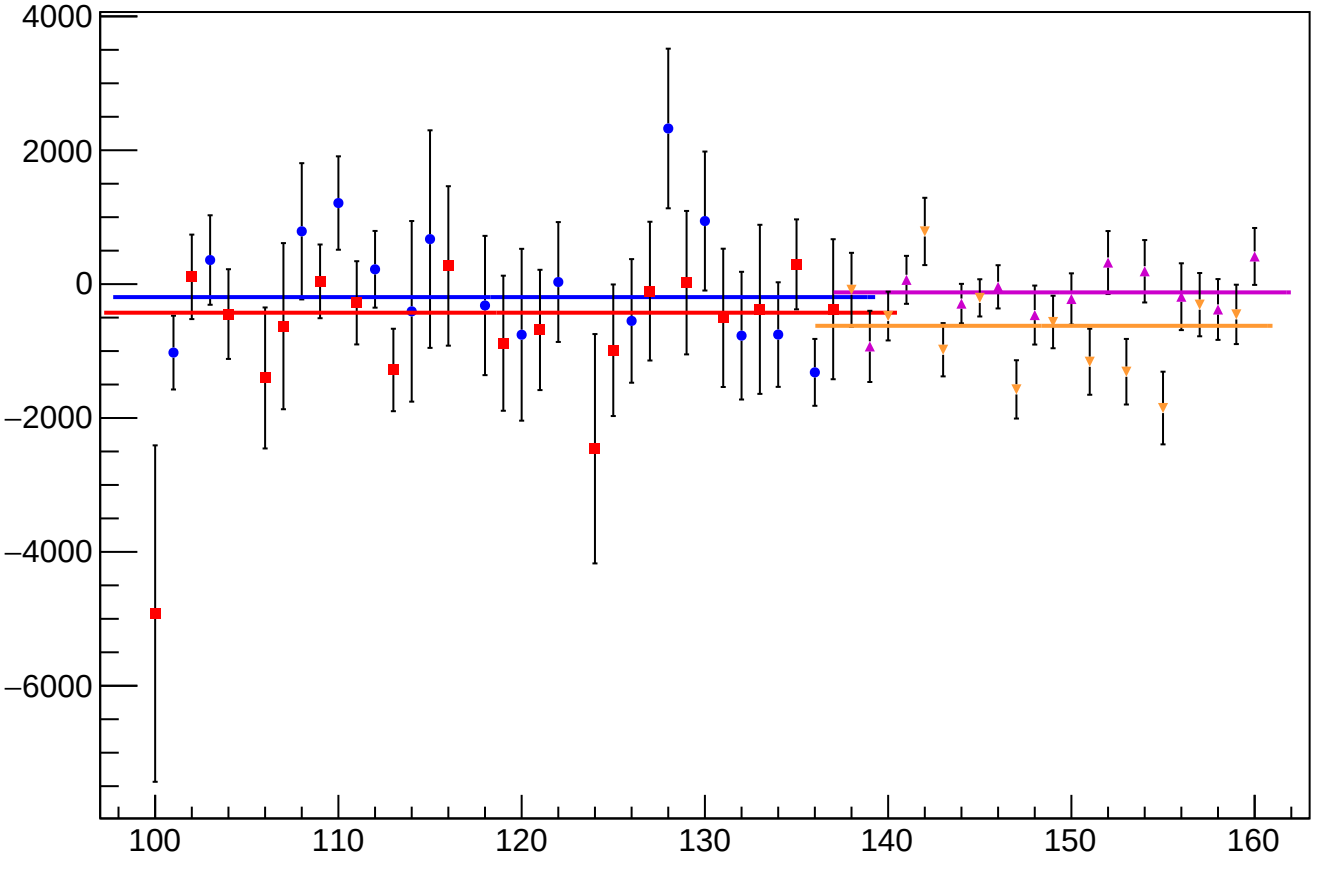
Left In: 56.000+/-0.013 χ^2/NDF:146794.5/10

+ sign 57.541+/-0.010 χ^2/NDF: 765685.6/27

All: 57.454+/-0.007 χ^2/NDF: 1725949.4/57

- 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: -622.698+/-122.153 χ^2/NDF:25.7/11

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

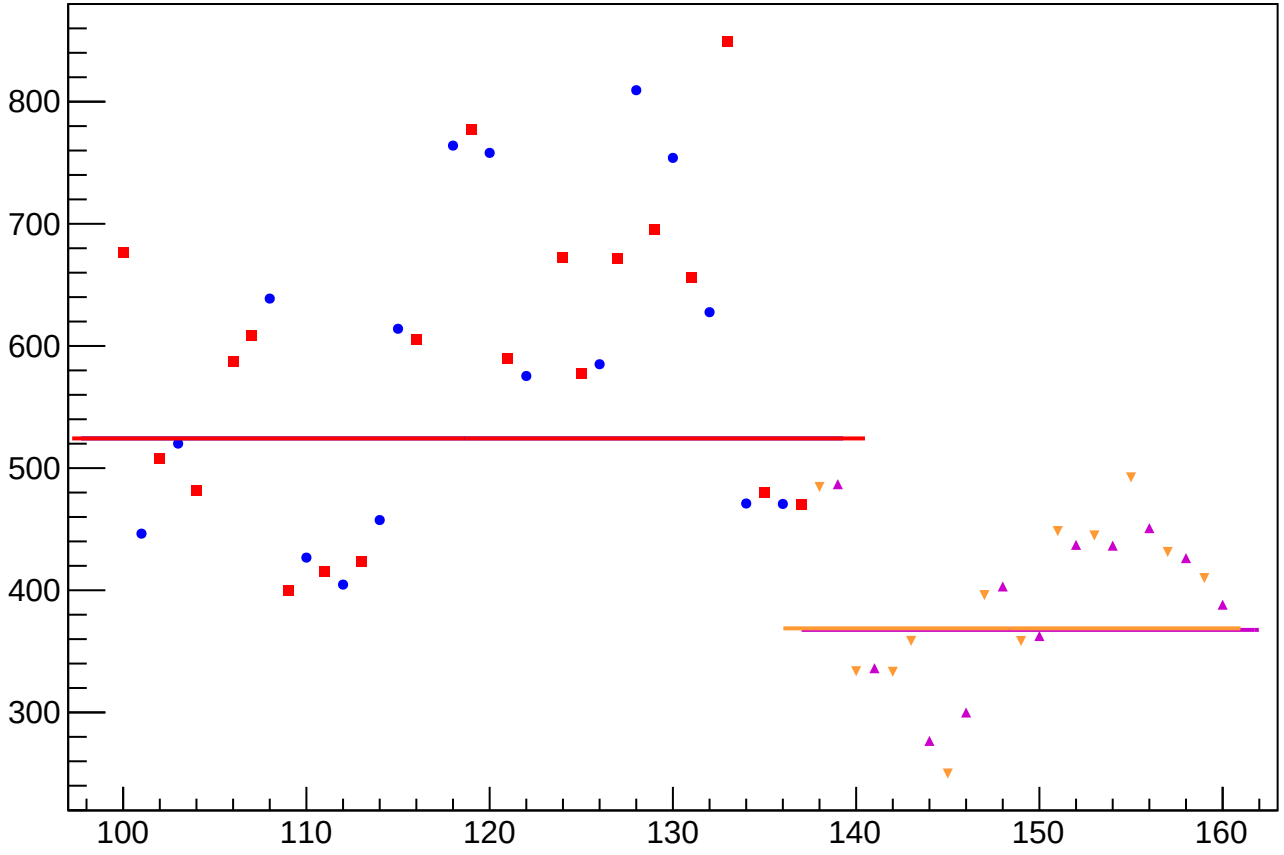
Left In: -123.350+/-121.371 χ^2/NDF:6.9/10

+ sign -506.710+/-104.332 χ^2/NDF: 49.8/27

All: -355.358+/-73.419 χ^2/NDF: 73.9/57

- 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: 368.820+/-0.086 χ^2/NDF:748688.9/11

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

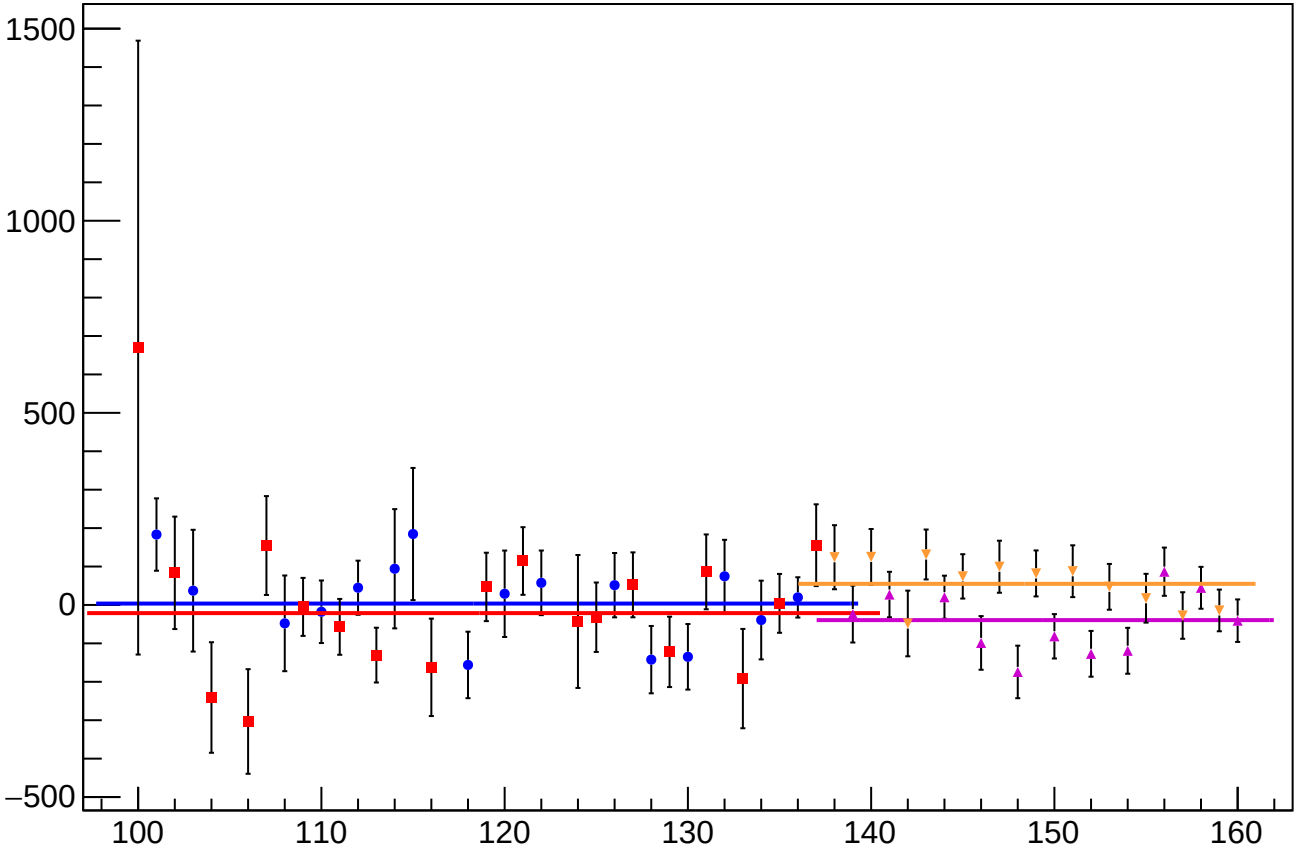
Left In: 367.571+/-0.086 χ^2/NDF:588302.7/10

+ sign 410.884+/-0.074 χ^2/NDF: 2283931.2/27

All: 410.788+/-0.052 χ^2/NDF: 4475937.9/57

- 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: 54.987+/-18.678 χ^2/NDF:9.3/11

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

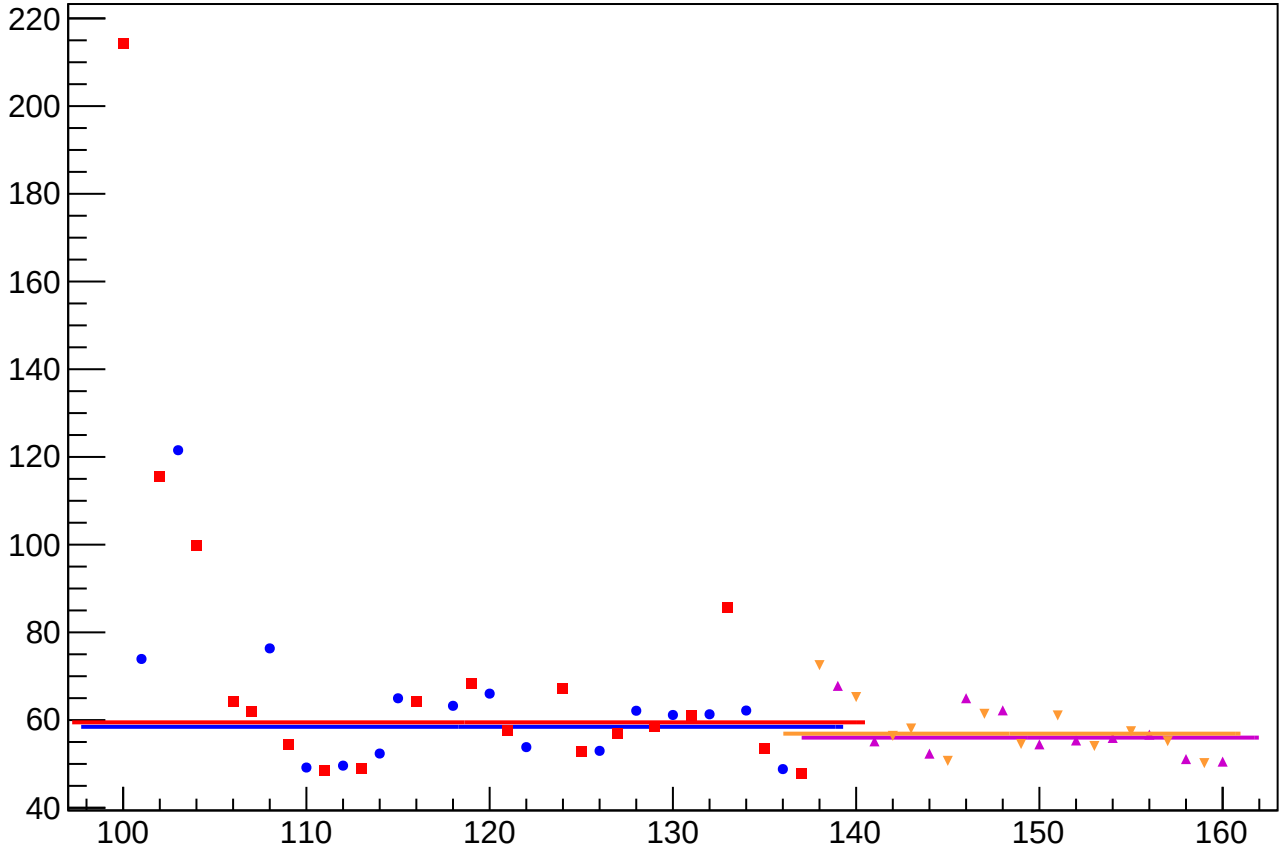
Left In: -39.482+/-18.310 χ^2/NDF:17.9/10

+ sign 34.000+/-14.366 χ^2/NDF: 28.5/27

All: 0.613+/-10.124 χ^2/NDF: 82.0/57

- 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: 56.904+/-0.013 χ^2/NDF:176992.6/11

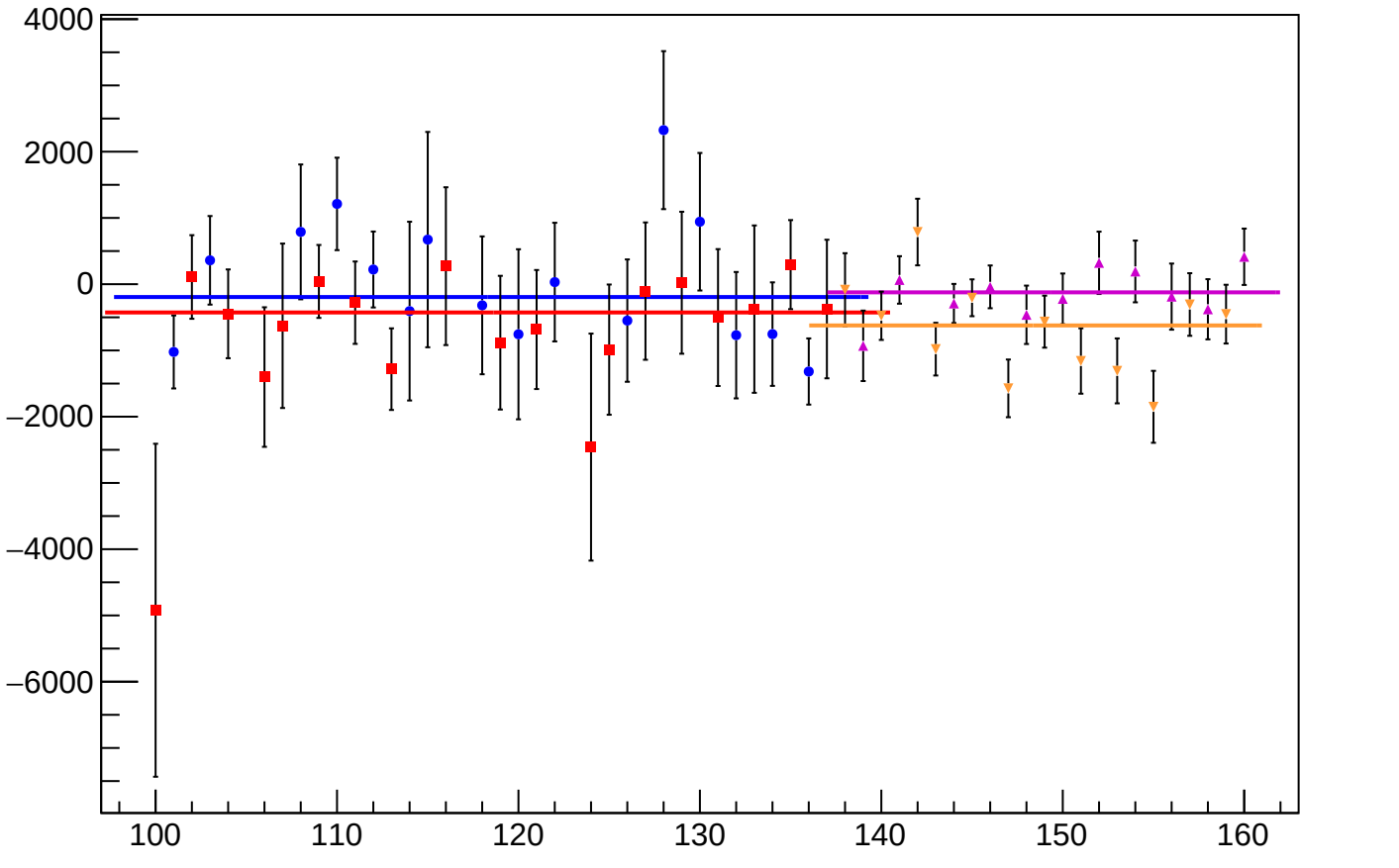
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.000+/-0.013 χ^2/NDF:146797.0/10

+ sign 57.542+/-0.010 χ^2/NDF: 765684.8/27

All: 57.454+/-0.007 χ^2/NDF: 1725950.6/57

- 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: -622.698+/-122.153 χ^2/NDF:25.7/11

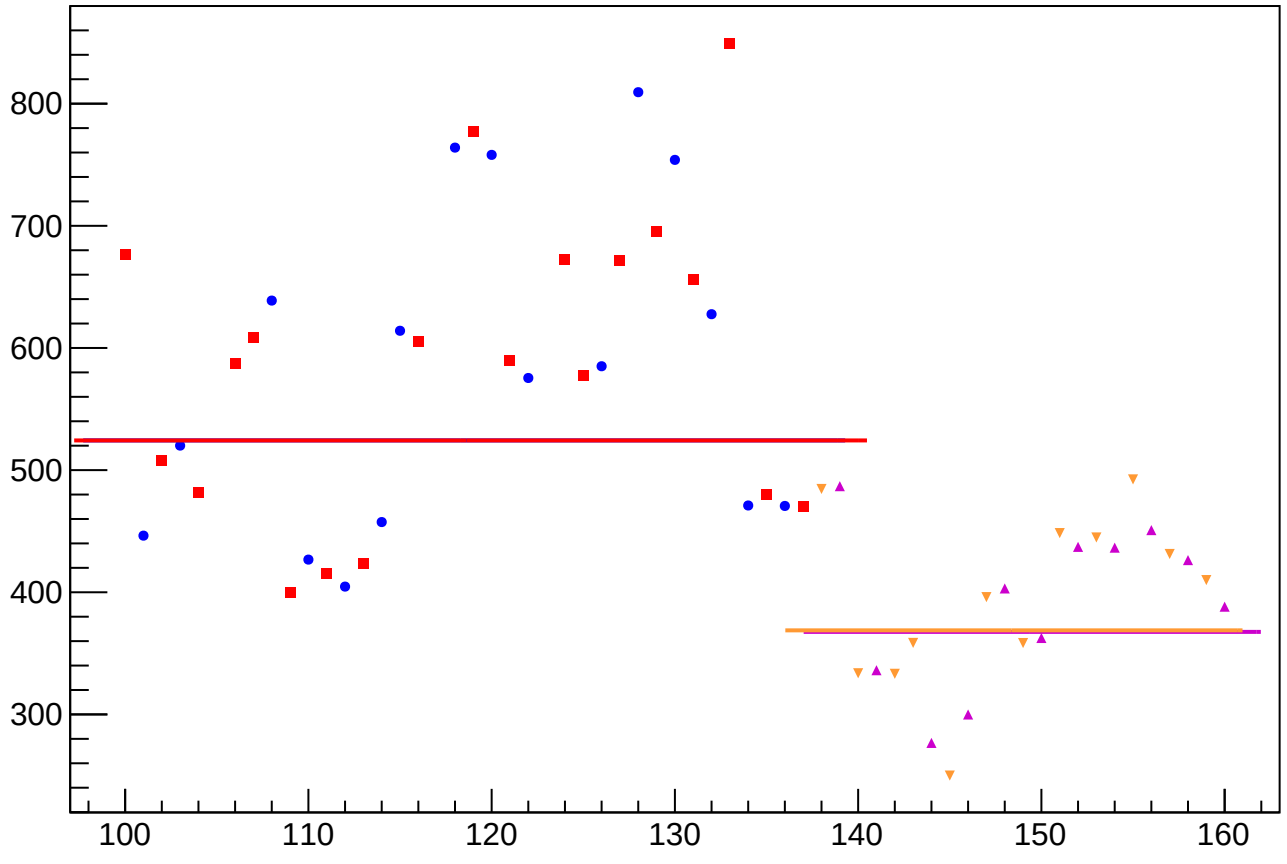
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -123.349+/-121.371 χ^2/NDF:6.9/10

+ sign -506.710+/-104.332 χ^2/NDF: 49.8/27

All: -355.358+/-73.419 χ^2/NDF: 73.9/57

- 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: 368.820+/-0.086 χ^2/NDF:748686.2/11

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

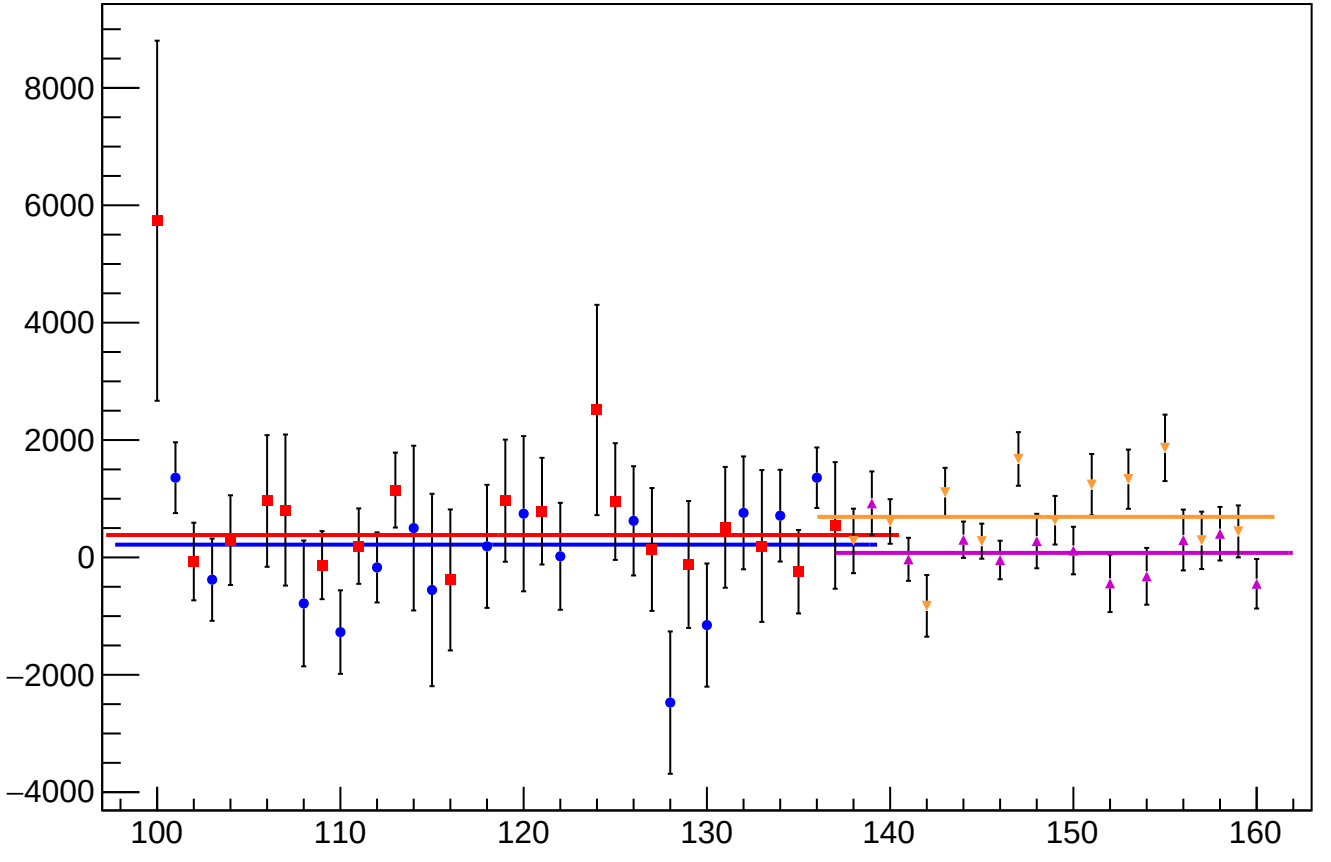
Left In: 367.570+/-0.086 χ^2/NDF:588299.6/10

+ sign 410.883+/-0.074 χ^2/NDF: 2283927.1/27

All: 410.787+/-0.052 χ^2/NDF: 4475926.2/57

- 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: 691.204+/-127.597 χ^2/NDF:24.6/11

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

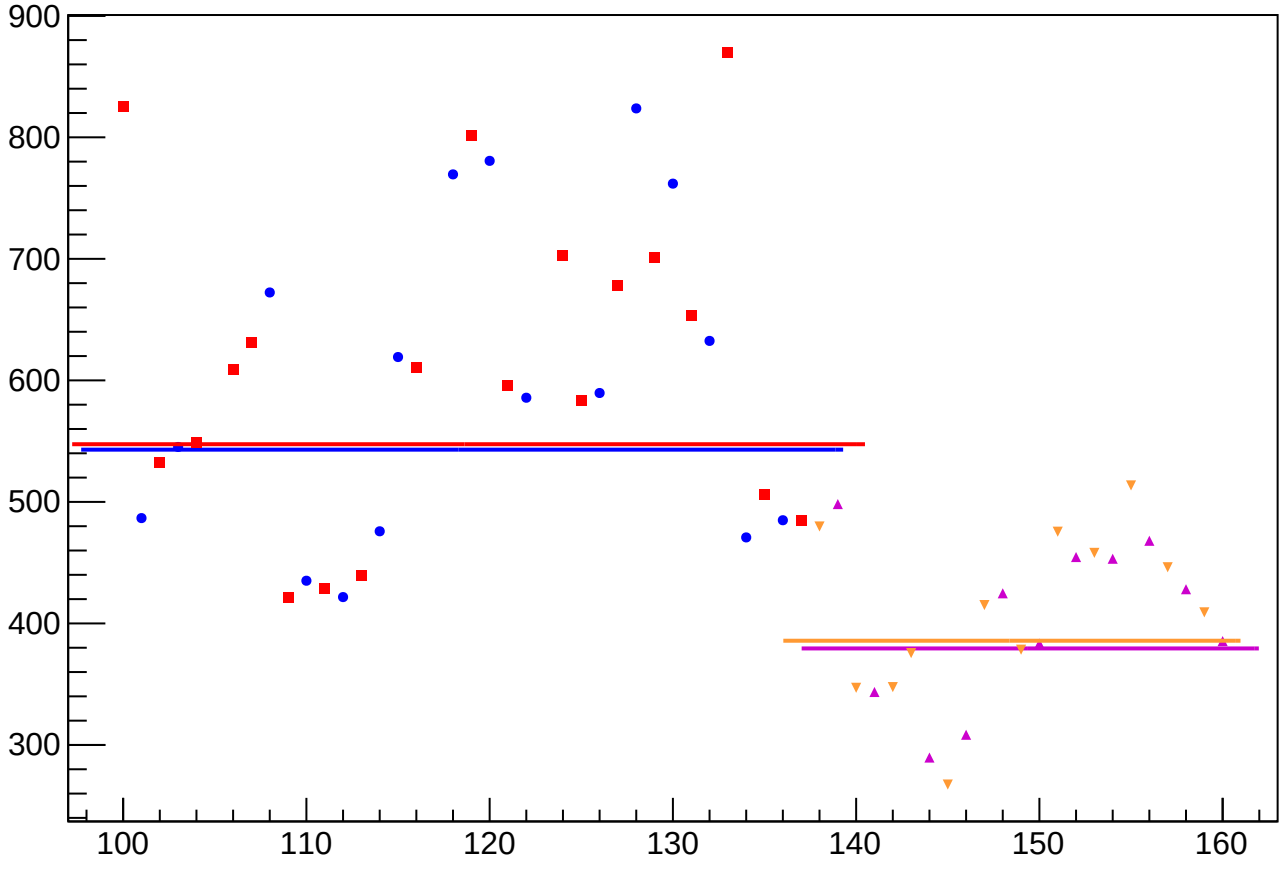
Left In: 77.463+/-125.145 χ^2/NDF:7.4/10

+ sign 561.292+/-108.690 χ^2/NDF: 51.2/27

All: 357.183+/-76.214 χ^2/NDF: 77.2/57

- 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: 385.772+/-0.090 χ^2/NDF:651590.0/11

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

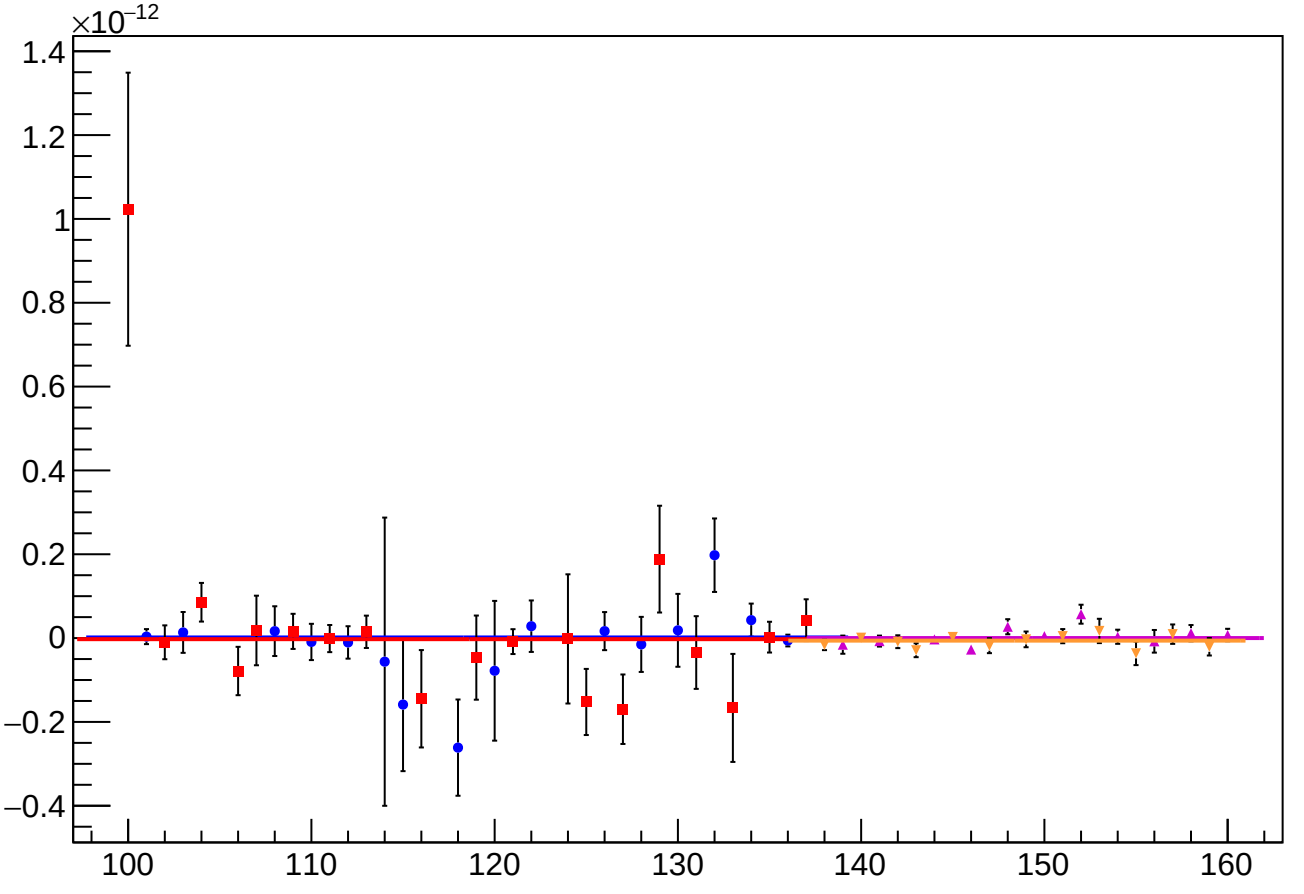
Left In: 379.421+/-0.088 χ^2/NDF:571353.3/10

\+ sign 428.914+/-0.077 χ^2/NDF: 2090085.4/27

All: 426.850+/-0.054 χ^2/NDF: 4268119.6/57

\- sign 424.854+/-0.076 χ^2/NDF: 2176615.7/29

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/11

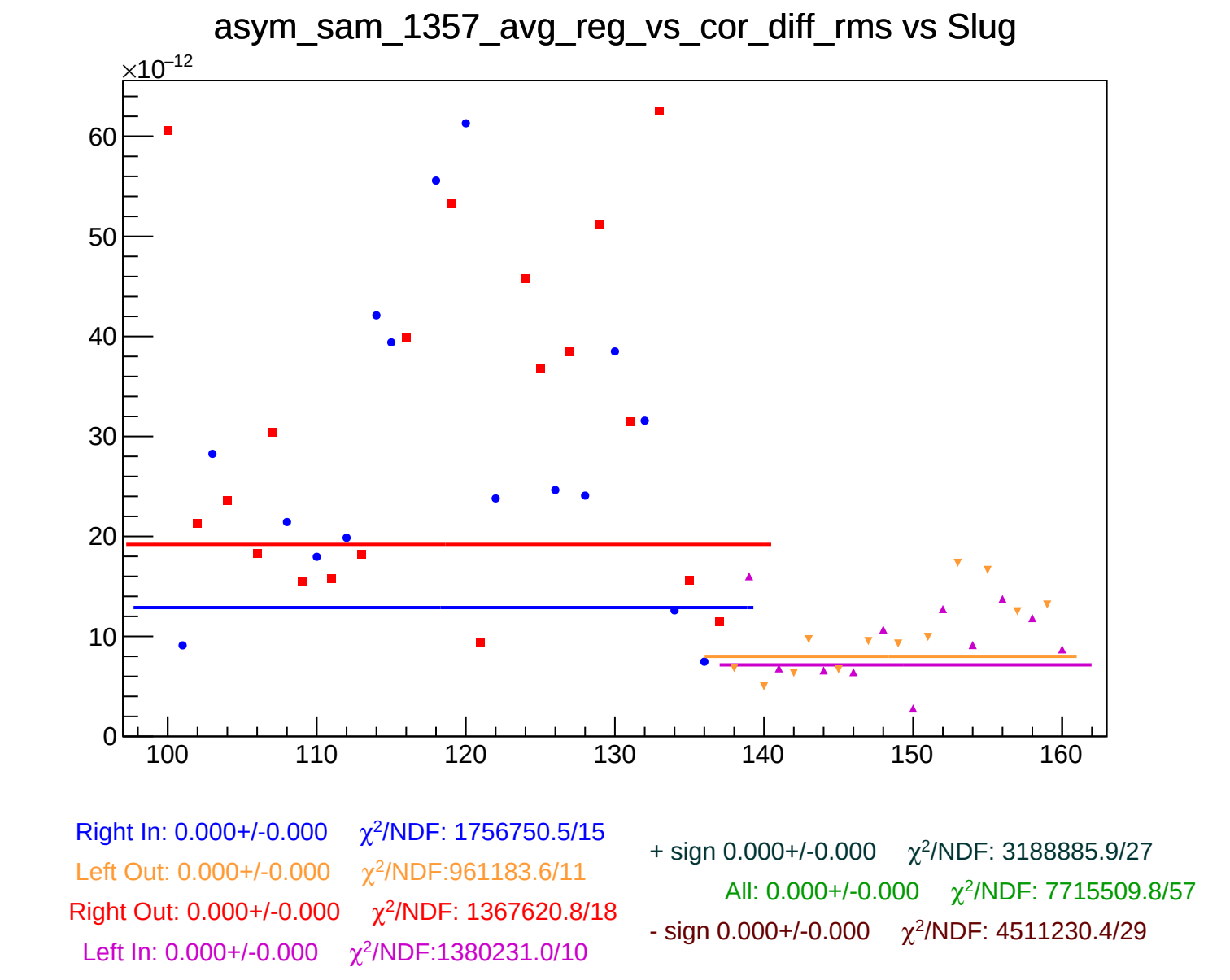
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.6/10

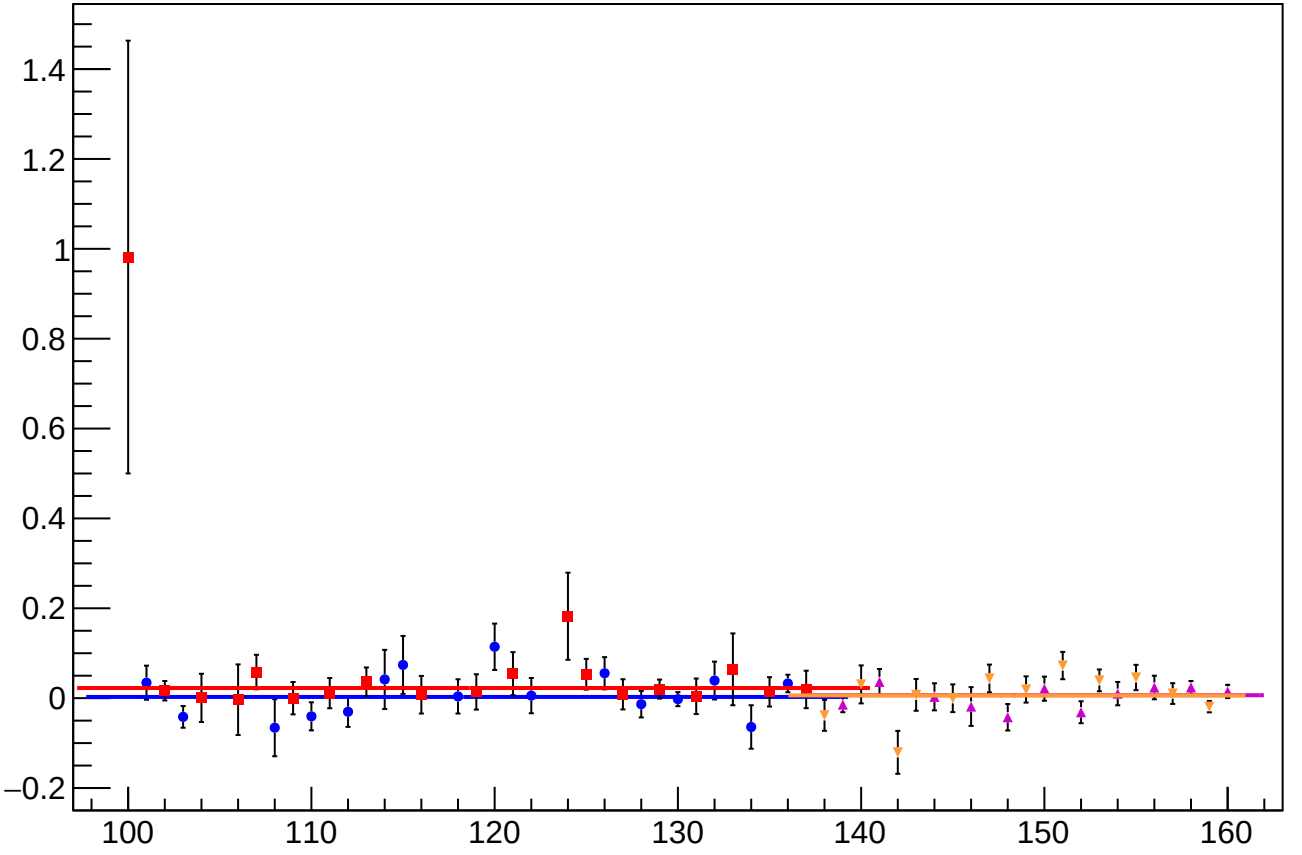
+ sign -0.000+/-0.000 χ^2/NDF: 21.7/27

All: -0.000+/-0.000 χ^2/NDF: 69.0/57

- sign -0.000+/-0.000 χ^2/NDF: 46.7/29


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:961183.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1380231.0/10
+ sign 0.000+/-0.000 χ²/NDF: 3188885.9/27
All: 0.000+/-0.000 χ²/NDF: 7715509.8/57
- sign 0.000+/-0.000 χ²/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: 0.006+/-0.007 χ^2/NDF:23.4/11

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

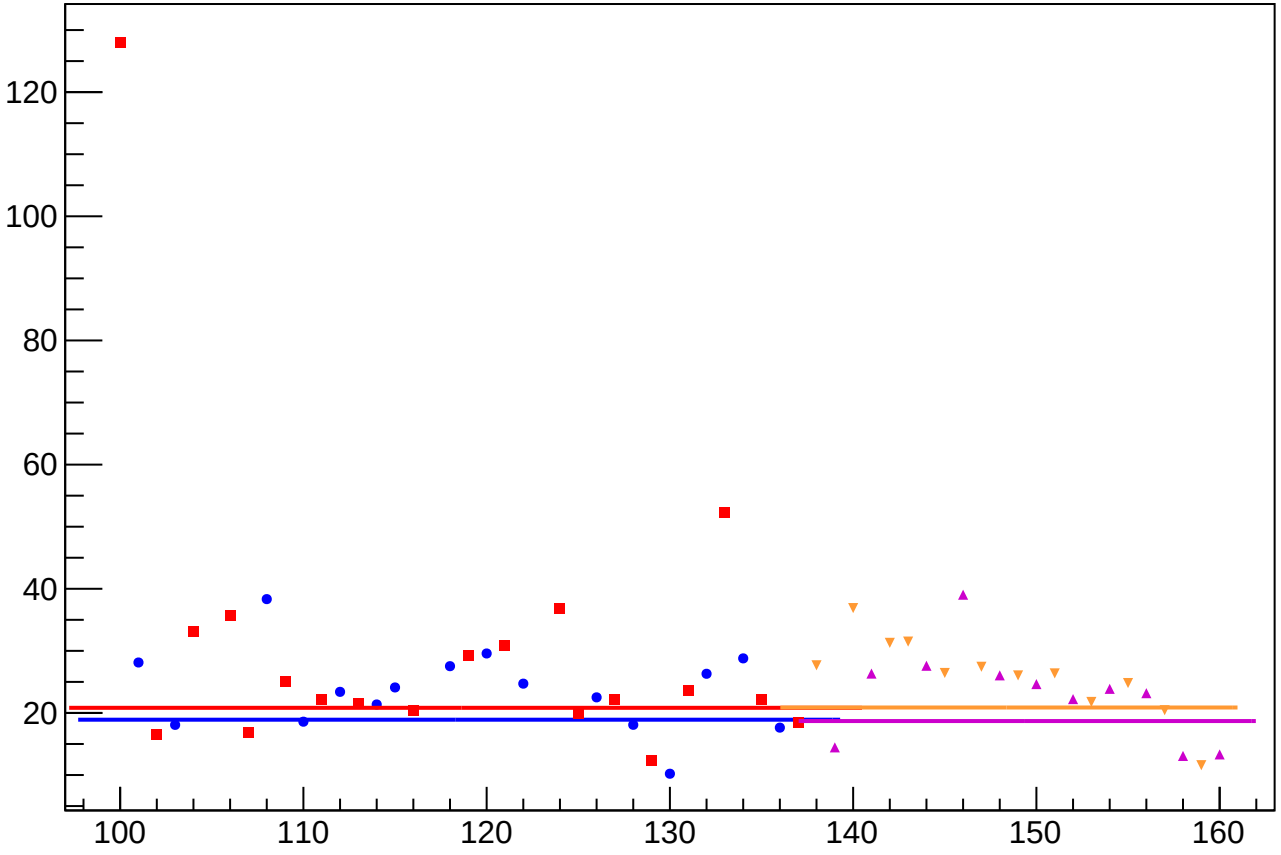
Left In: 0.007+/-0.007 χ^2/NDF:10.7/10

+ sign 0.005+/-0.005 χ^2/NDF: 45.4/27

All: 0.009+/-0.004 χ^2/NDF: 70.3/57

- 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: 20.877+/-0.005 χ^2/NDF:2043816.9/11

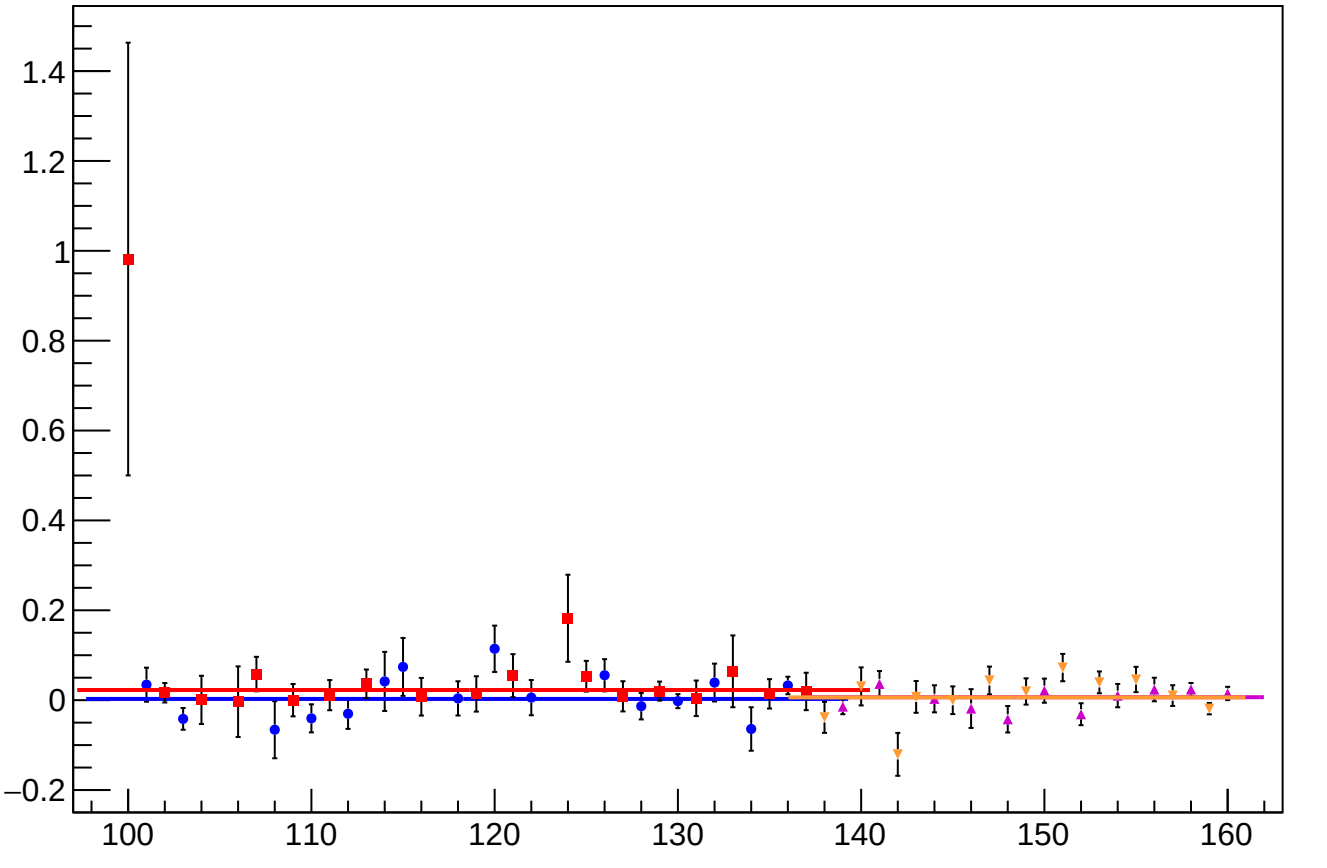
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 18.693+/-0.005 χ^2/NDF:1867148.3/10

+ sign 19.941+/-0.004 χ^2/NDF: 3500656.9/27

All: 19.713+/-0.003 χ^2/NDF: 6745493.2/57

- sign 19.501+/-0.004 χ^2/NDF: 3237910.1/29



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.007 χ^2/NDF:23.4/11

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

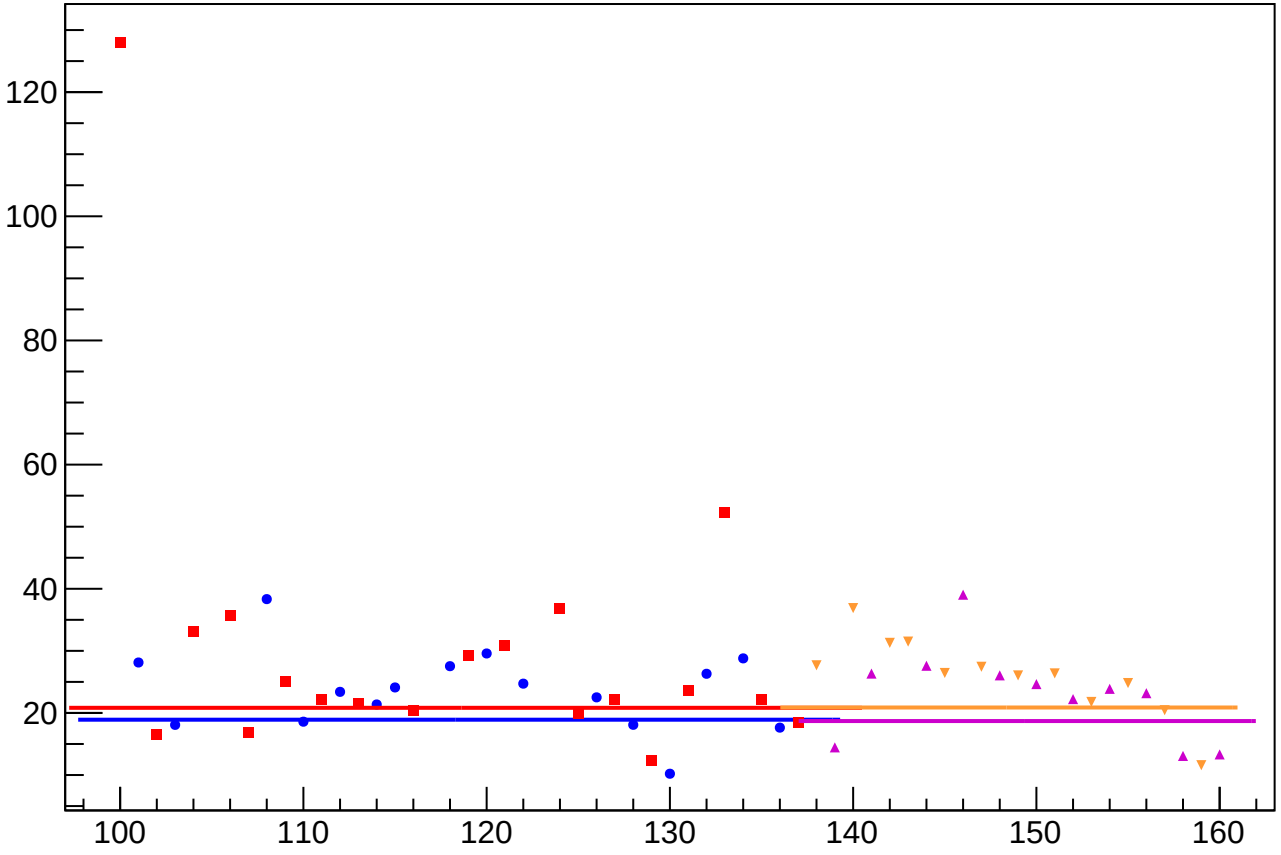
Left In: 0.007+/-0.007 χ^2/NDF:10.7/10

+ sign 0.005+/-0.005 χ^2/NDF: 45.4/27

All: 0.009+/-0.004 χ^2/NDF: 70.3/57

- 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: 20.877+/-0.005 χ^2/NDF:2043816.9/11

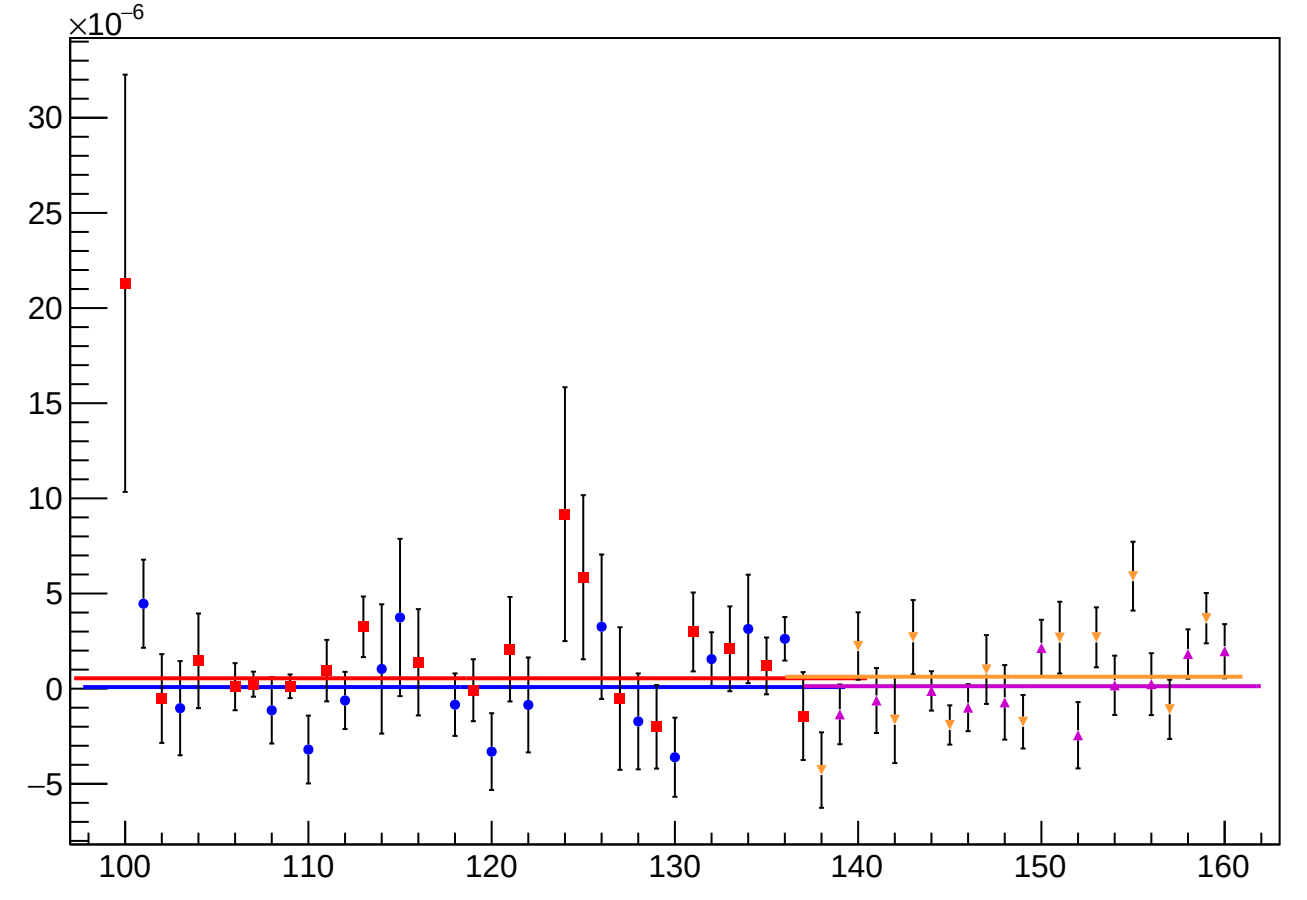
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 18.693+/-0.005 χ^2/NDF:1867148.3/10

+ sign 19.941+/-0.004 χ^2/NDF: 3500656.9/27

All: 19.713+/-0.003 χ^2/NDF: 6745493.2/57

- sign 19.501+/-0.004 χ^2/NDF: 3237910.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.1/11

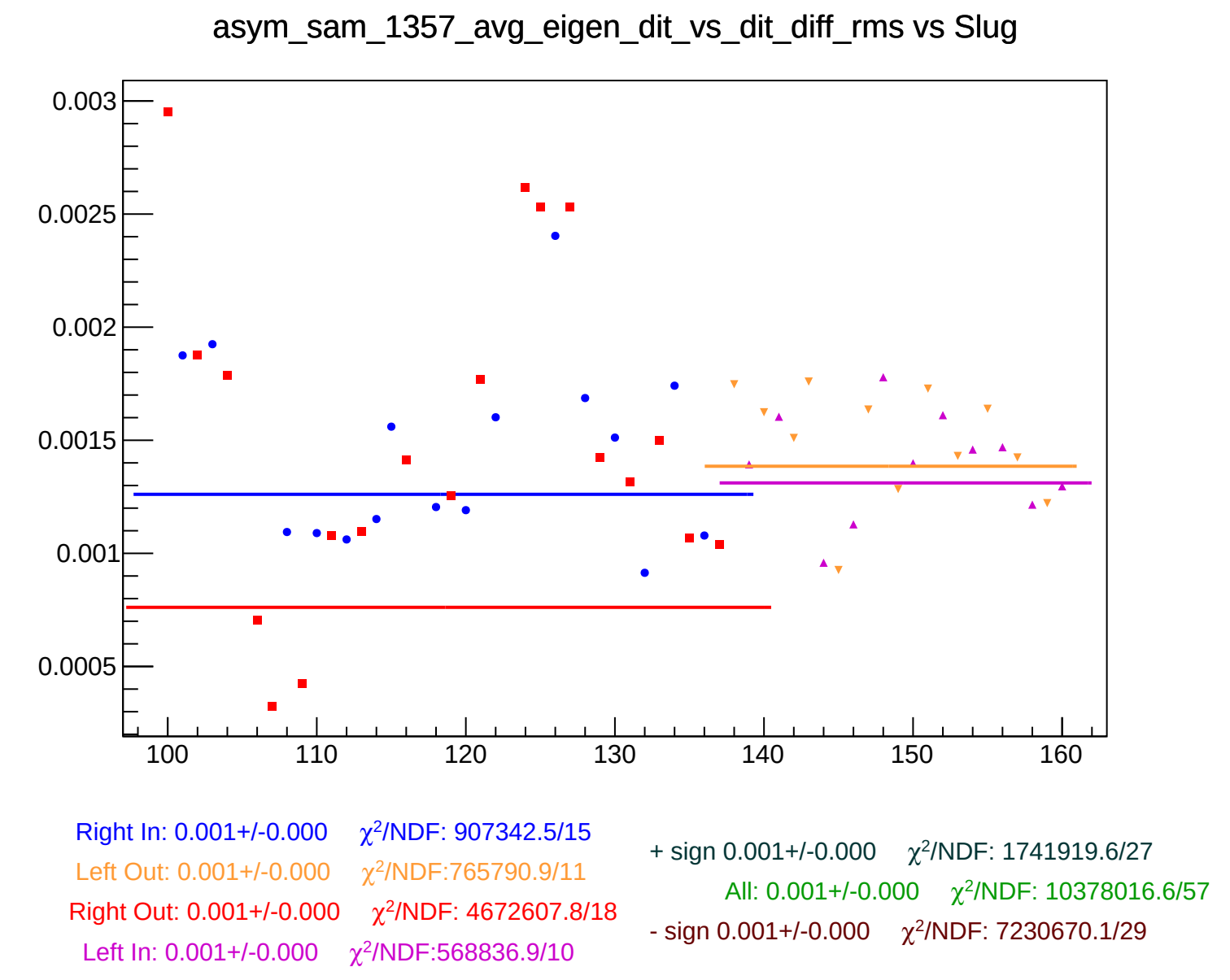
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

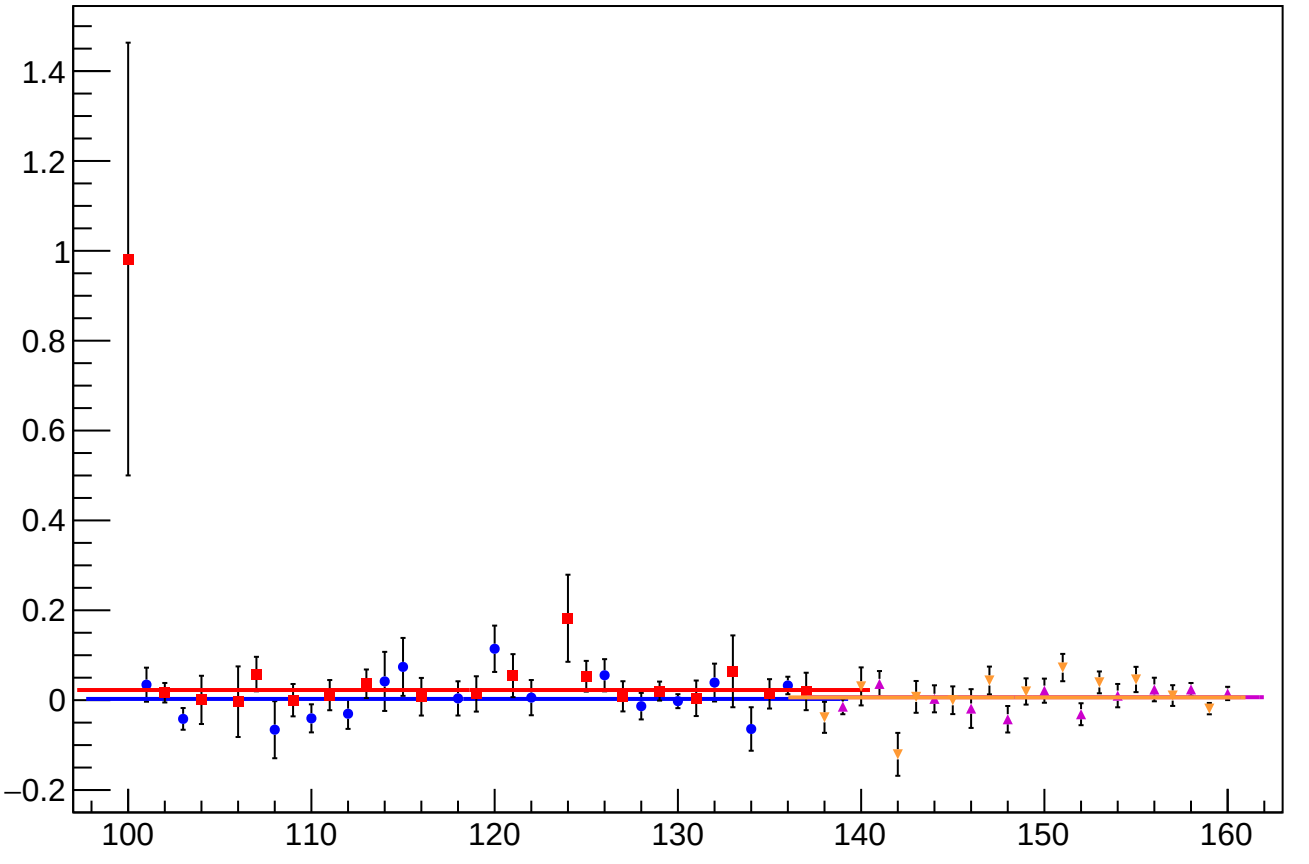
Left In: 0.000+/-0.000 χ^2/NDF:9.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 60.3/27

All: 0.000+/-0.000 χ^2/NDF: 86.1/57

- sign 0.000+/-0.000 χ^2/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:765790.9/11
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: 1741919.6/27
All: 0.001+/-0.000 χ²/NDF: 10378016.6/57
- sign 0.001+/-0.000 χ²/NDF: 7230670.1/29



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.007 χ^2/NDF:23.4/11

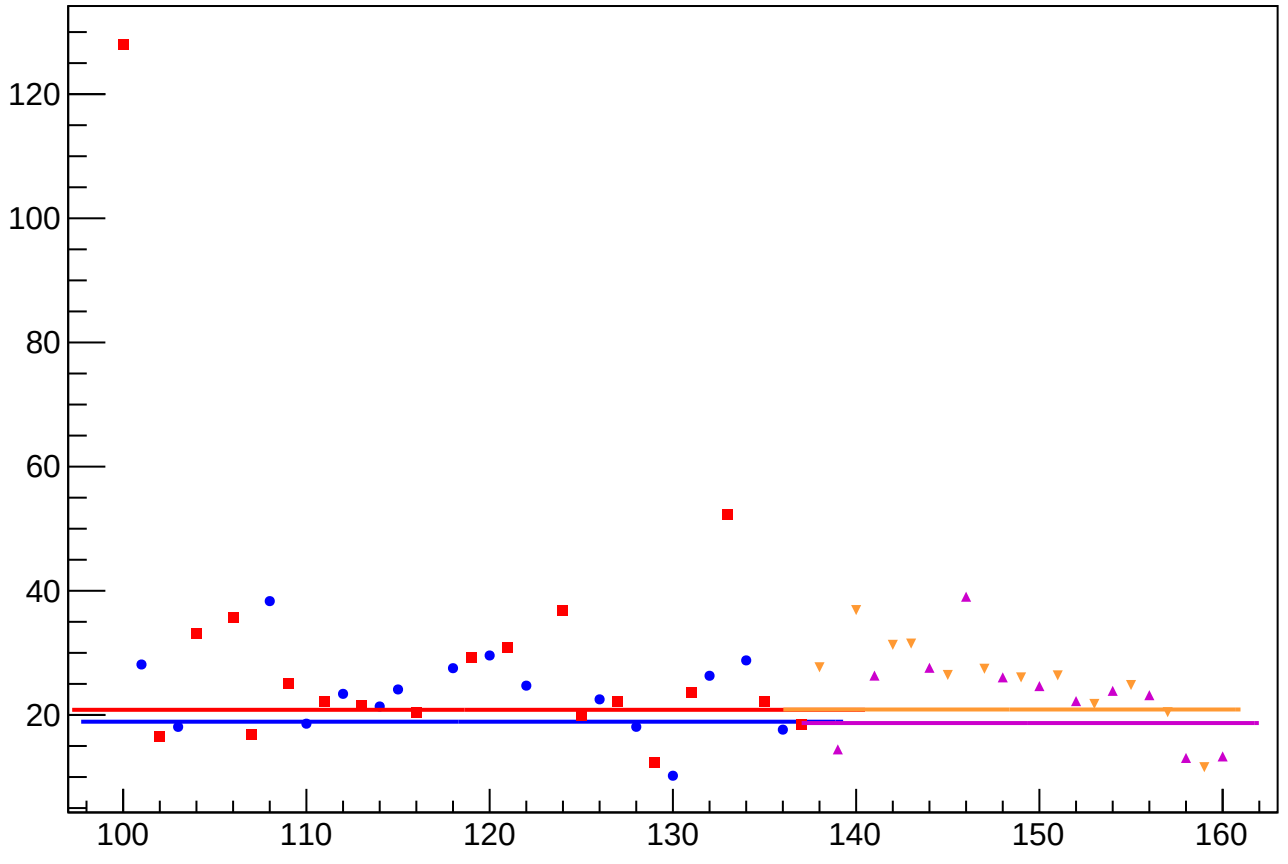
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.007+/-0.007 χ^2/NDF:10.7/10

+ sign 0.005+/-0.005 χ^2/NDF: 45.4/27

All: 0.009+/-0.004 χ^2/NDF: 70.3/57

- 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: 20.877+/-0.005 χ^2/NDF:2043995.9/11

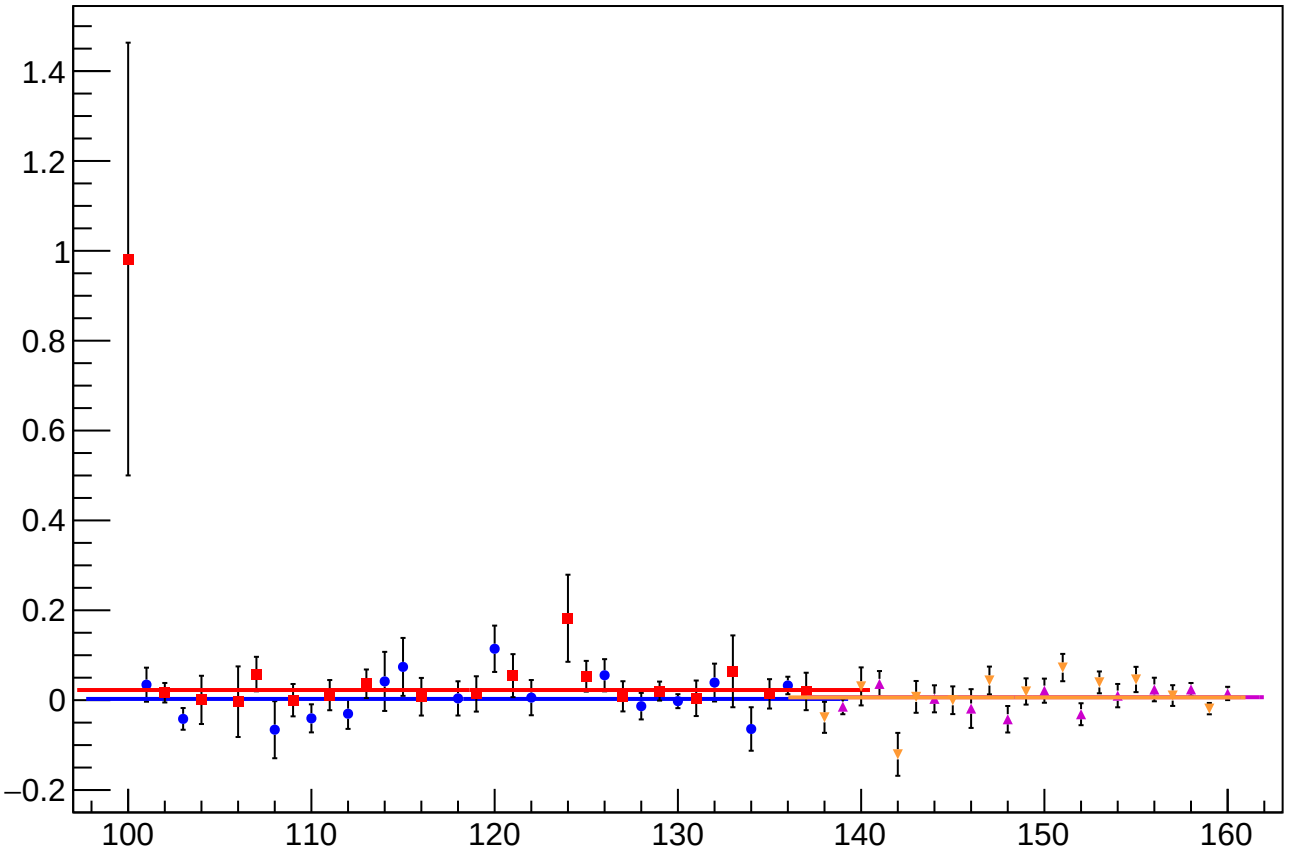
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 18.694+/-0.005 χ^2/NDF:1867245.9/10

\+ sign 19.942+/-0.004 χ^2/NDF: 3500698.0/27

All: 19.714+/-0.003 χ^2/NDF: 6745632.3/57

\- sign 19.501+/-0.004 χ^2/NDF: 3238005.9/29



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.007 χ^2/NDF:23.4/11

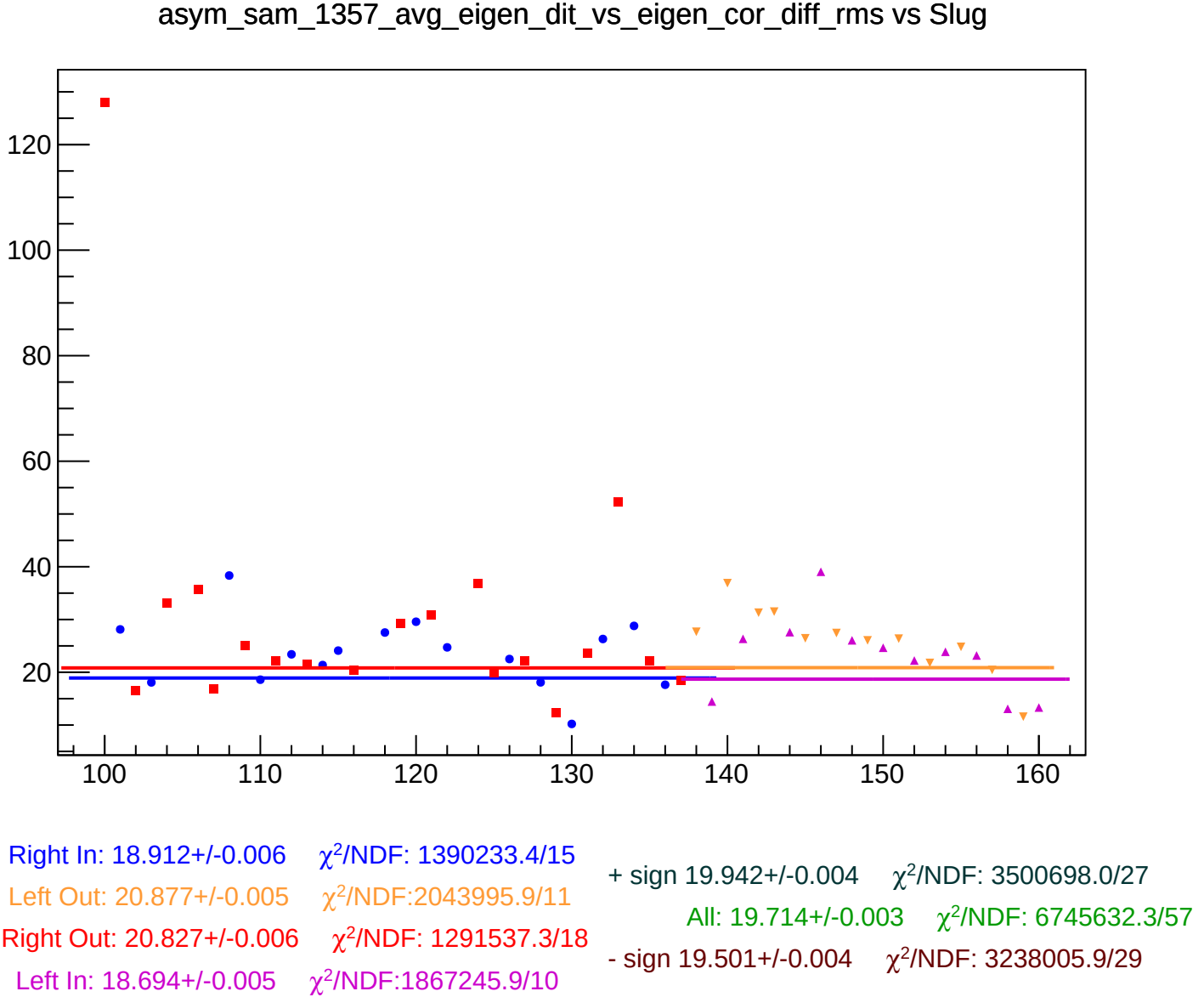
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

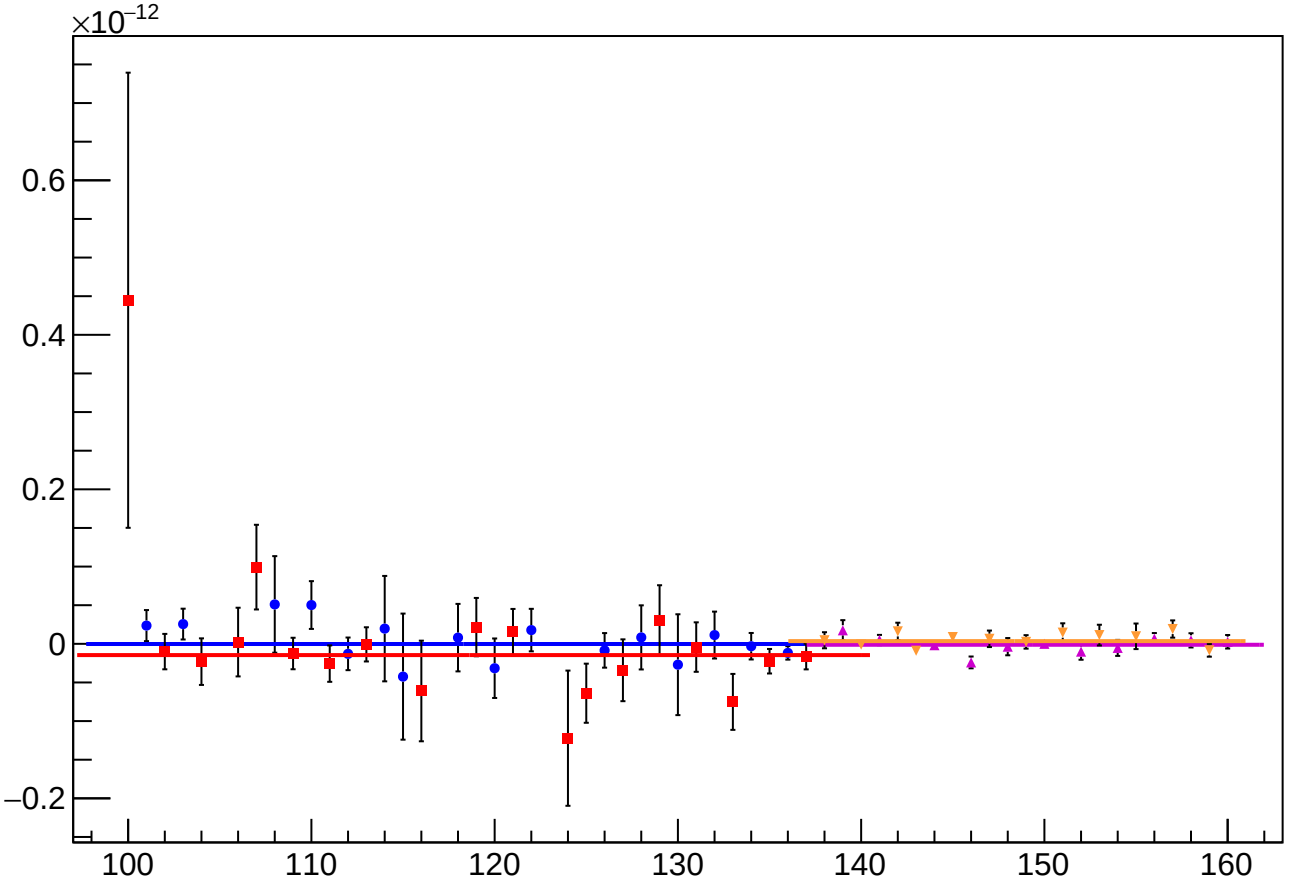
Left In: 0.007+/-0.007 χ^2/NDF:10.7/10

+ sign 0.005+/-0.005 χ^2/NDF: 45.4/27

All: 0.009+/-0.004 χ^2/NDF: 70.3/57

- sign 0.013+/-0.005 χ^2/NDF: 23.7/29


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
120
100
80
60
40
20
100
110
120
130
140
150
160
Right In: 18.912+/-0.006 χ²/NDF: 1390233.4/15
Left Out: 20.877+/-0.005 χ²/NDF:2043995.9/11
Right Out: 20.827+/-0.006 χ²/NDF: 1291537.3/18
Left In: 18.694+/-0.005 χ²/NDF:1867245.9/10
+ sign 19.942+/-0.004 χ²/NDF: 3500698.0/27
All: 19.714+/-0.003 χ²/NDF: 6745632.3/57
- sign 19.501+/-0.004 χ²/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:12.2/11

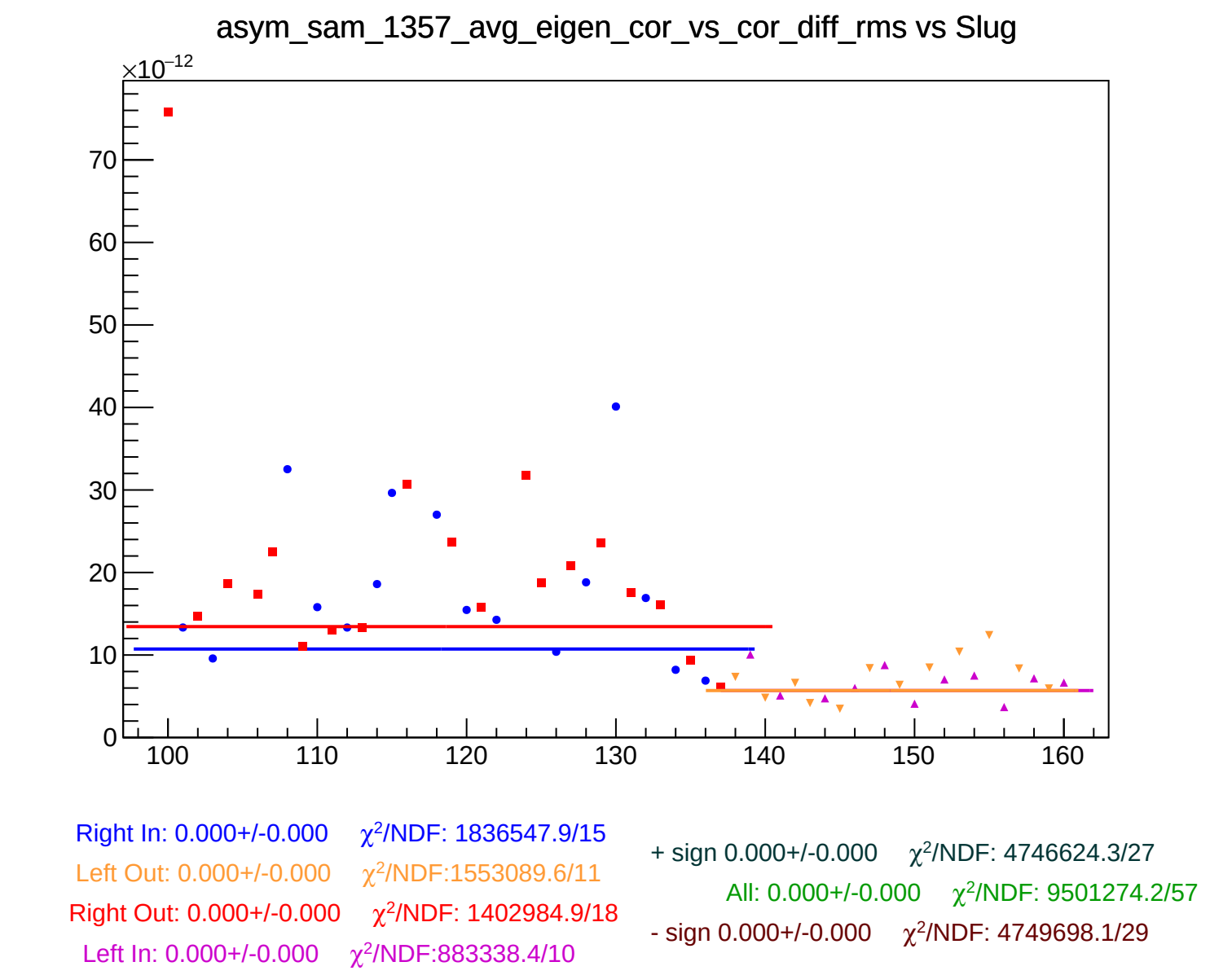
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.5/10

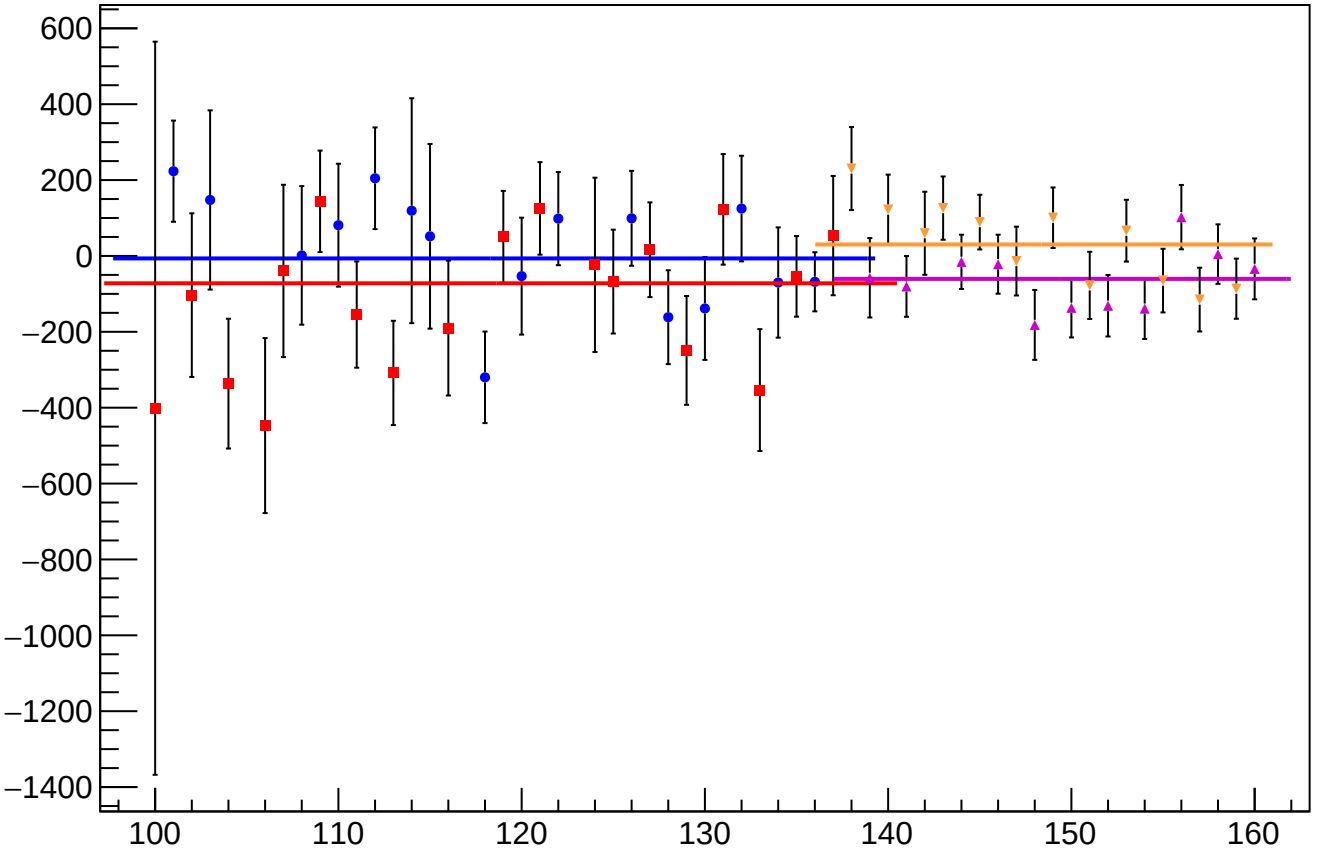
+ sign 0.000+/-0.000 χ^2/NDF: 23.1/27

All: 0.000+/-0.000 χ^2/NDF: 62.2/57

- sign -0.000+/-0.000 χ^2/NDF: 35.8/29


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1553089.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:883338.4/10
+ sign 0.000+/-0.000 χ²/NDF: 4746624.3/27
All: 0.000+/-0.000 χ²/NDF: 9501274.2/57
- sign 0.000+/-0.000 χ²/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: 30.196+/-24.840 χ^2/NDF:15.5/11

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

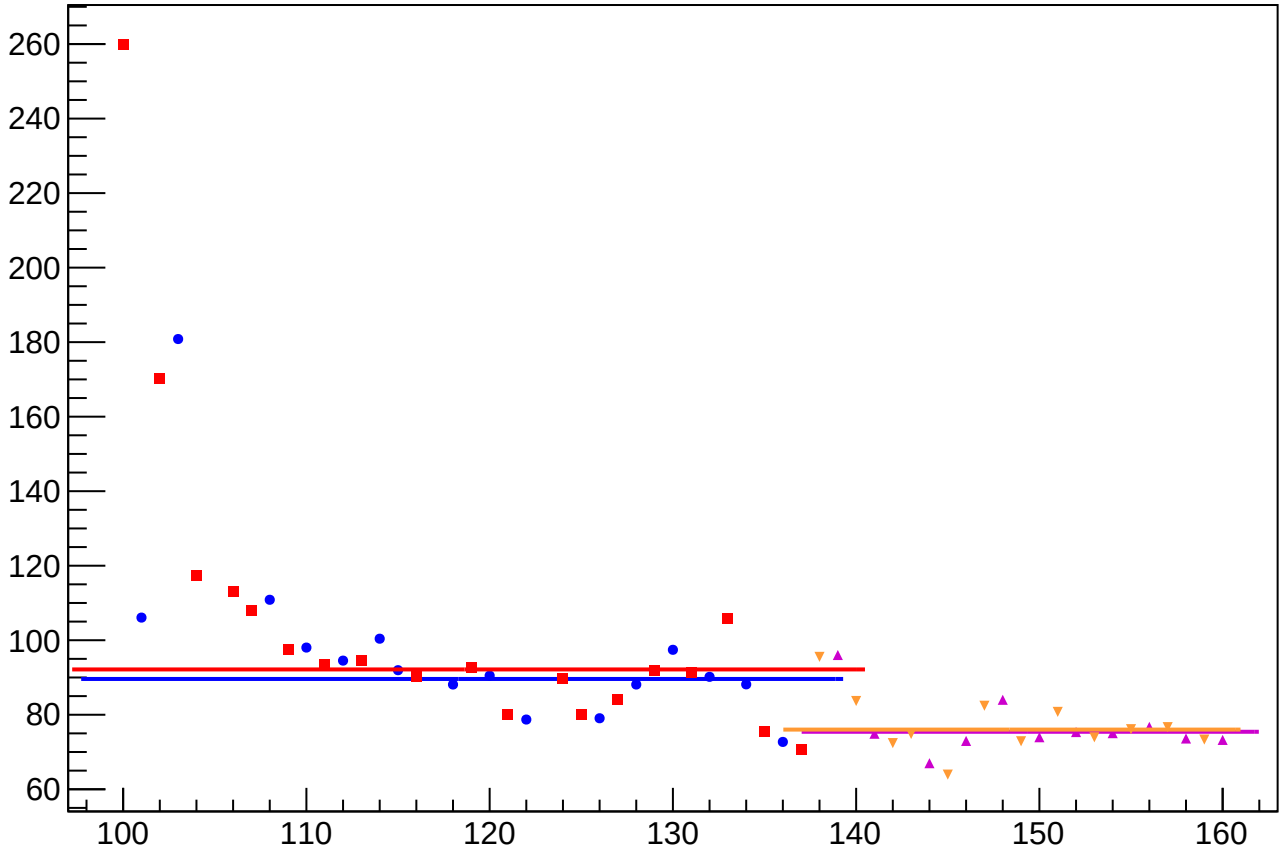
Left In: -60.520+/-24.582 χ^2/NDF:9.6/10

+ sign 17.544+/-20.116 χ^2/NDF: 35.2/27

All: -23.457+/-14.216 χ^2/NDF: 76.0/57

- 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: 76.016+/-0.018 χ^2/NDF:158741.6/11

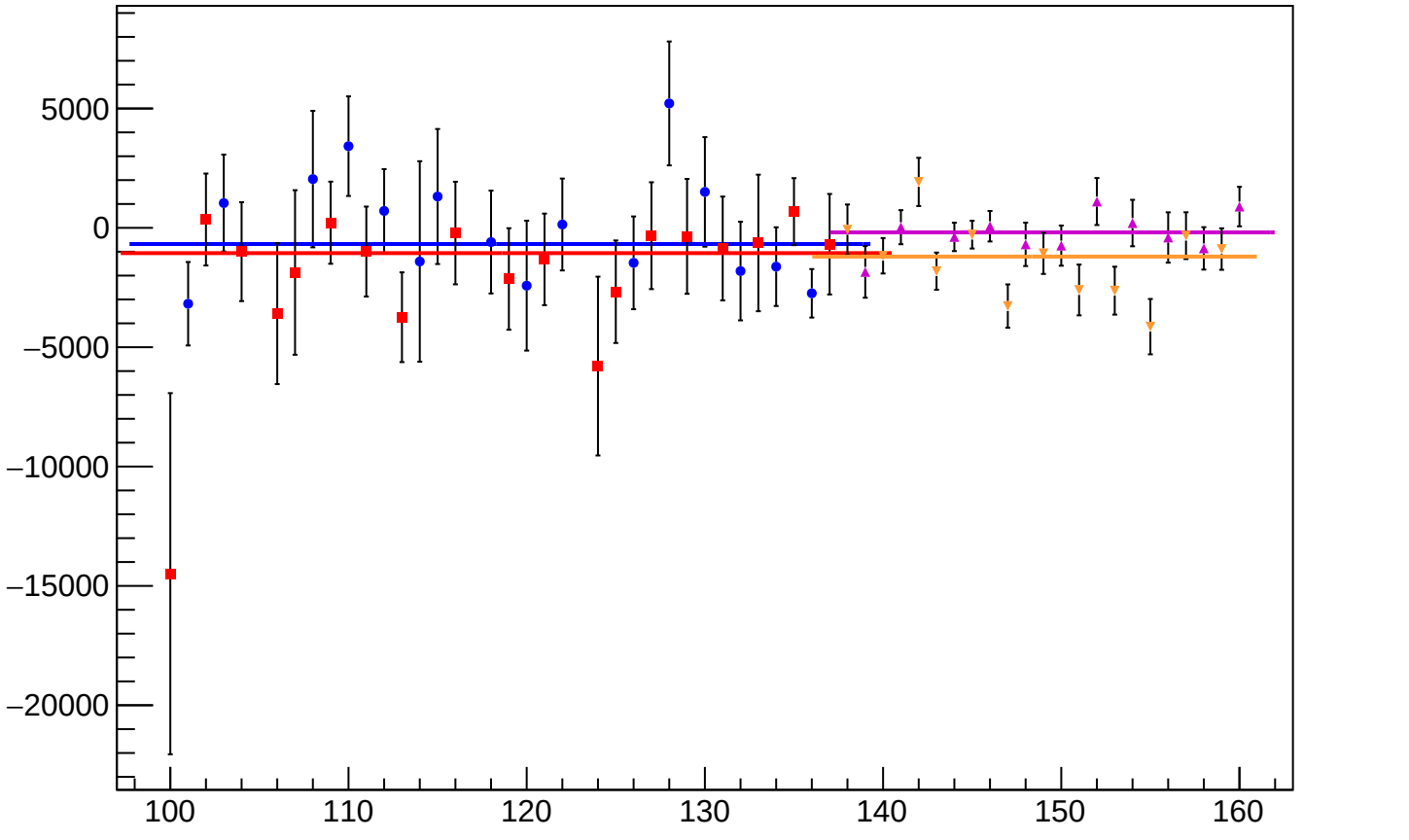
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.431+/-0.017 χ^2/NDF:128617.1/10

+ sign 80.693+/-0.014 χ^2/NDF: 863099.5/27

All: 80.838+/-0.010 χ^2/NDF: 1841401.4/57

- 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: -1203.780+/-251.293 χ^2/NDF:30.2/11

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

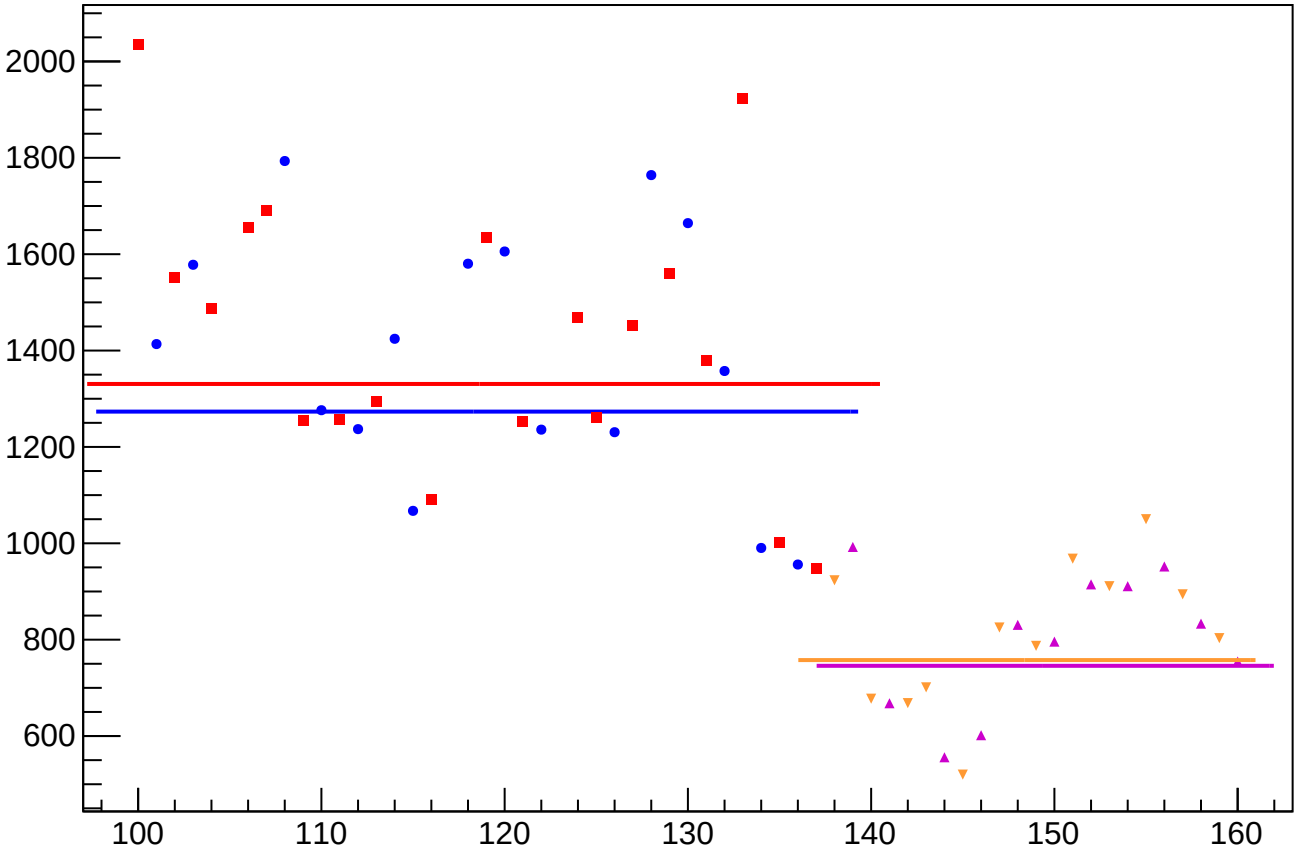
Left In: -189.842+/-246.629 χ^2/NDF:7.6/10

+ sign -1092.906+/-223.265 χ^2/NDF: 51.4/27

All: -723.451+/-157.017 χ^2/NDF: 78.3/57

- 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: 757.652+/-0.178 χ^2/NDF:742247.7/11

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

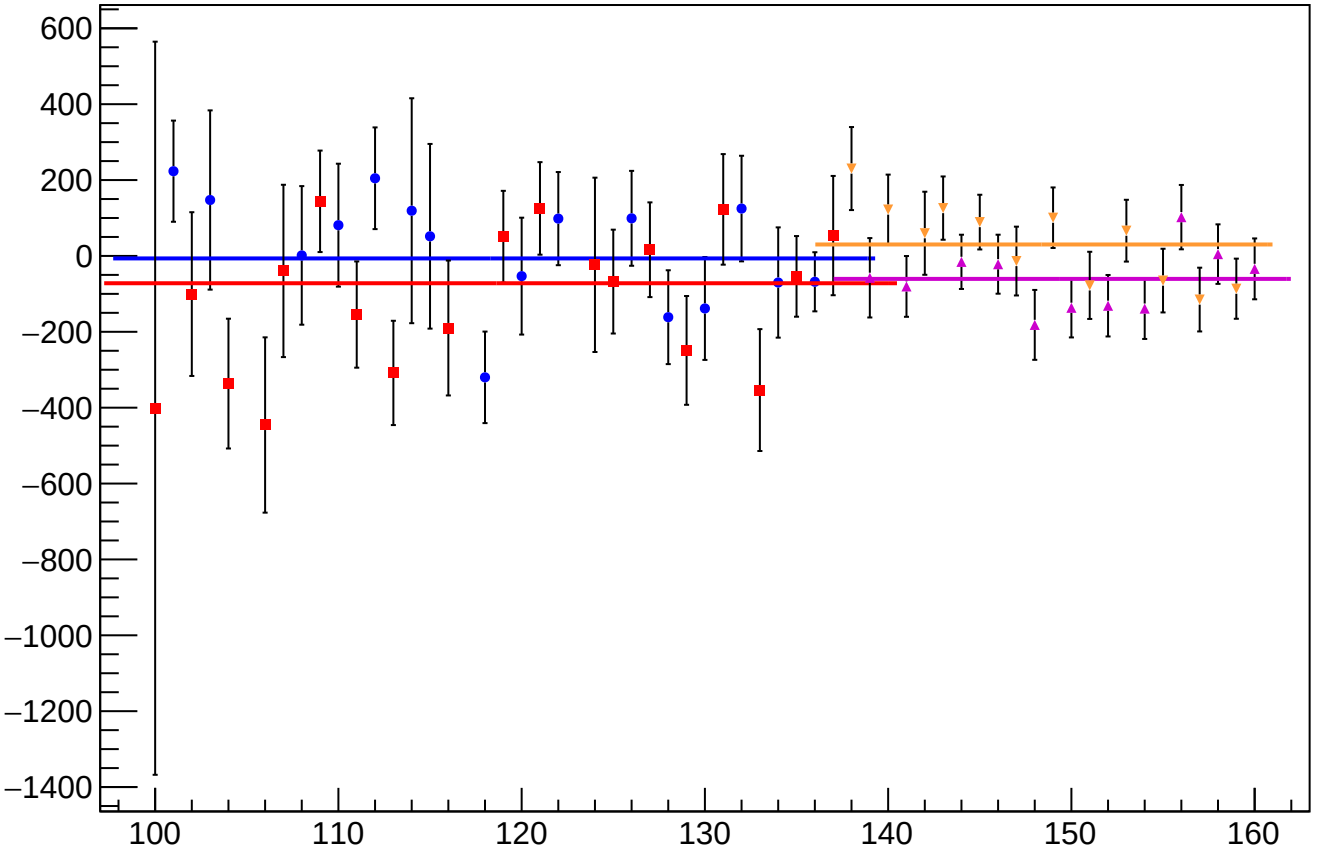
Left In: 745.774+/-0.174 χ^2/NDF:670663.4/10

+ sign 866.266+/-0.158 χ^2/NDF: 3113671.6/27

All: 863.903+/-0.111 χ^2/NDF: 6482893.8/57

- 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: 30.199+/-24.840 χ^2/NDF:15.5/11

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

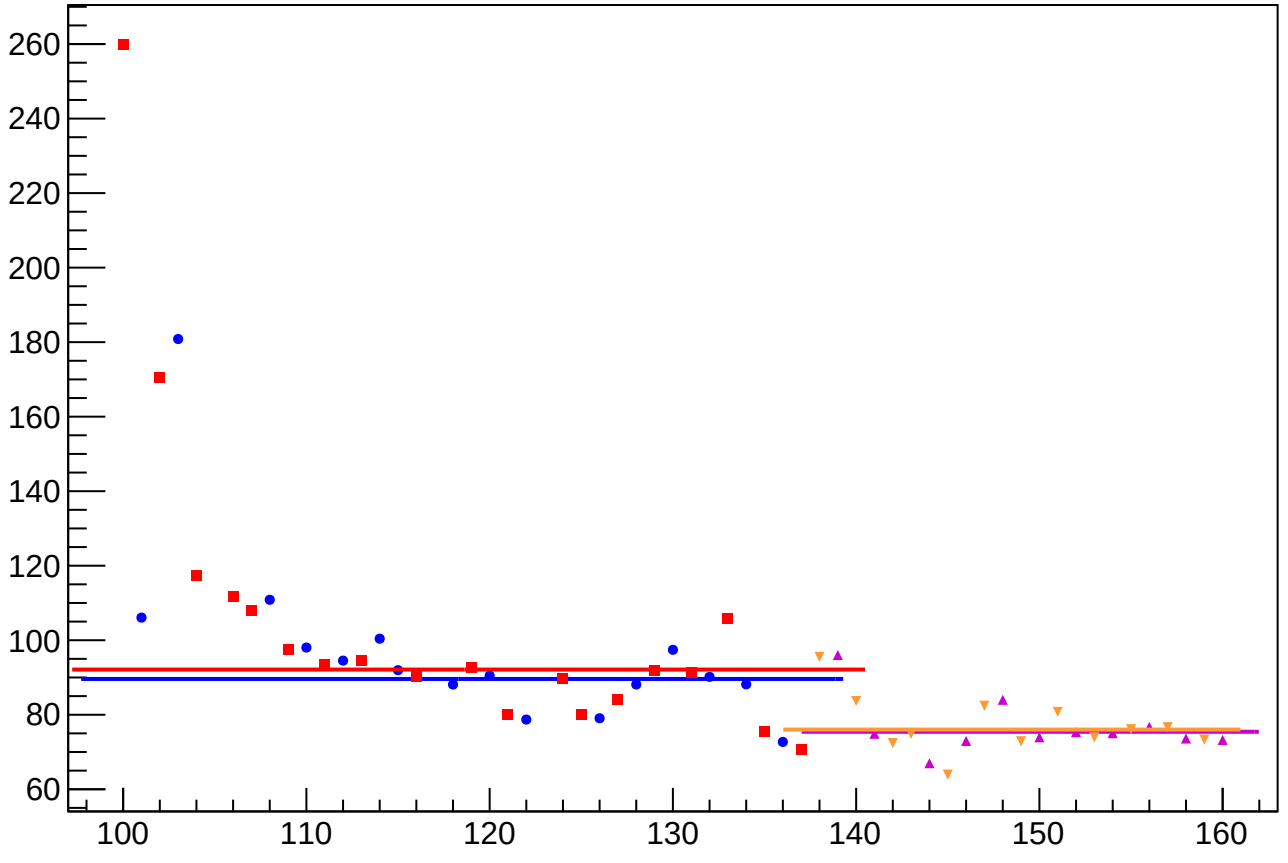
Left In: -60.523+/-24.582 χ^2/NDF:9.6/10

+ sign 17.543+/-20.116 χ^2/NDF: 35.2/27

All: -23.434+/-14.216 χ^2/NDF: 75.9/57

- 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: 76.016+/-0.018 χ^2/NDF:158741.6/11

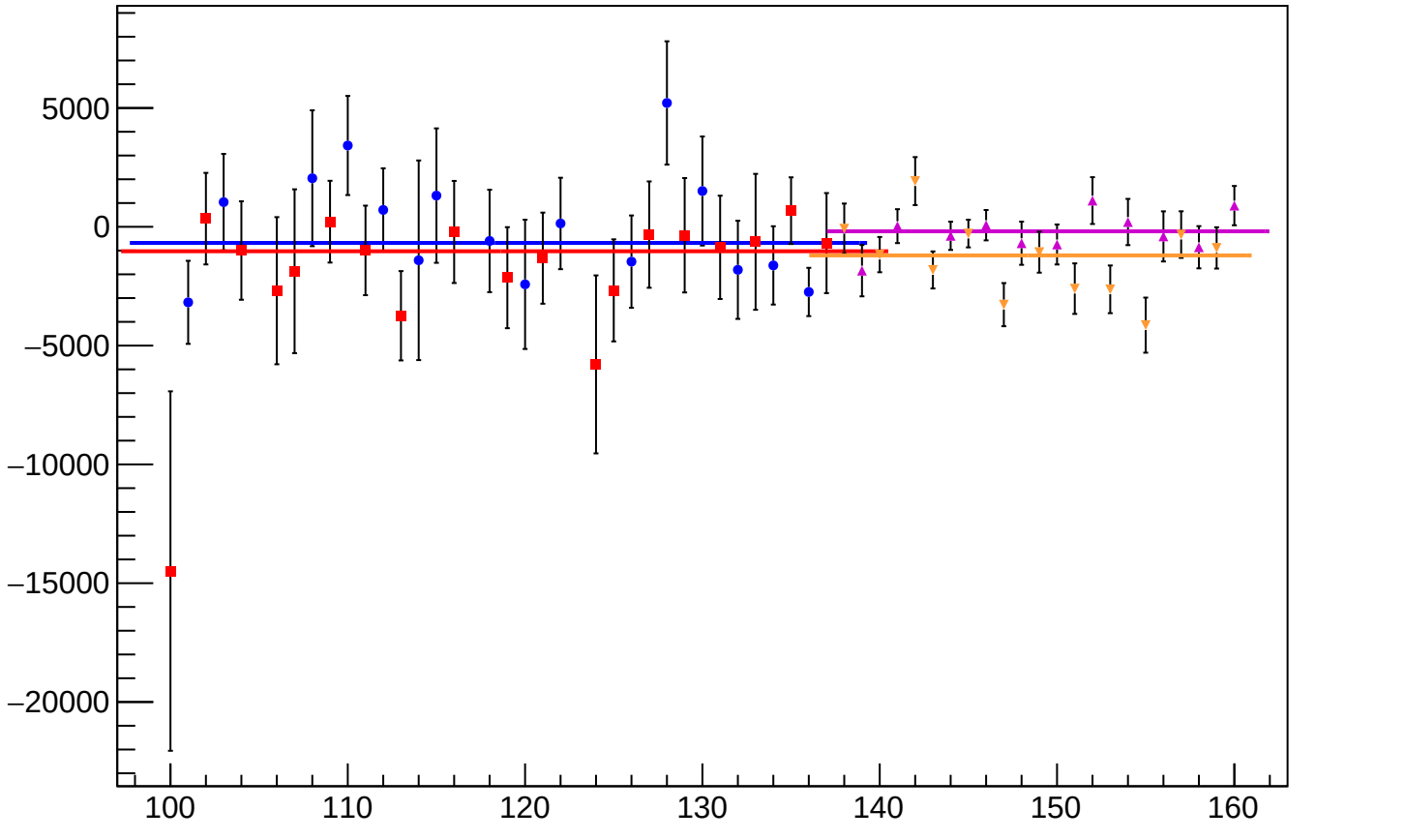
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.431+/-0.017 χ^2/NDF:128617.1/10

+ sign 80.693+/-0.014 χ^2/NDF: 863103.0/27

All: 80.832+/-0.010 χ^2/NDF: 1838434.0/57

- 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: -1203.774+/-251.293 χ^2/NDF:30.2/11

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

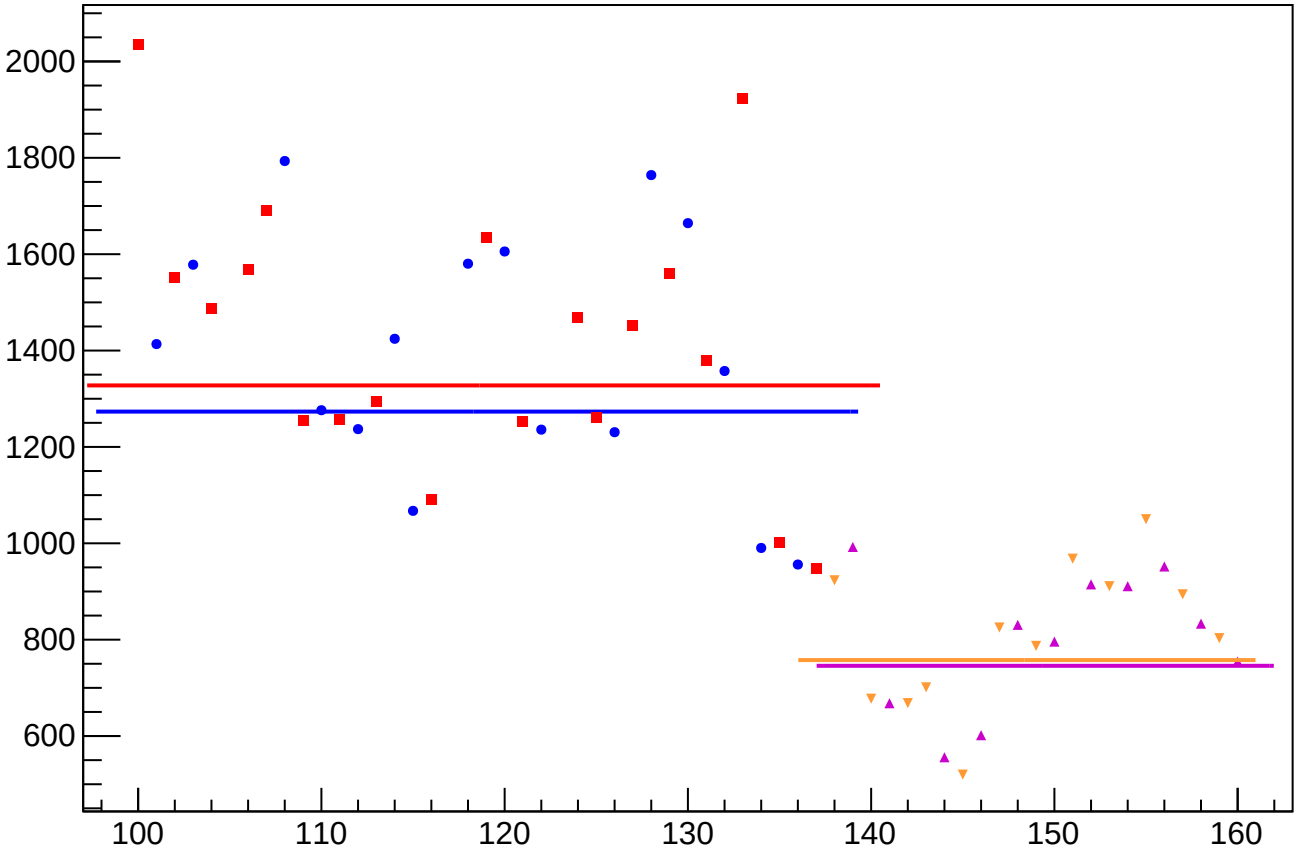
Left In: -189.847+/-246.629 χ^2/NDF:7.6/10

+ sign -1092.895+/-223.266 χ^2/NDF: 51.4/27

All: -720.425+/-157.038 χ^2/NDF: 77.8/57

- 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: 757.652+/-0.178 χ^2/NDF:742251.1/11

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

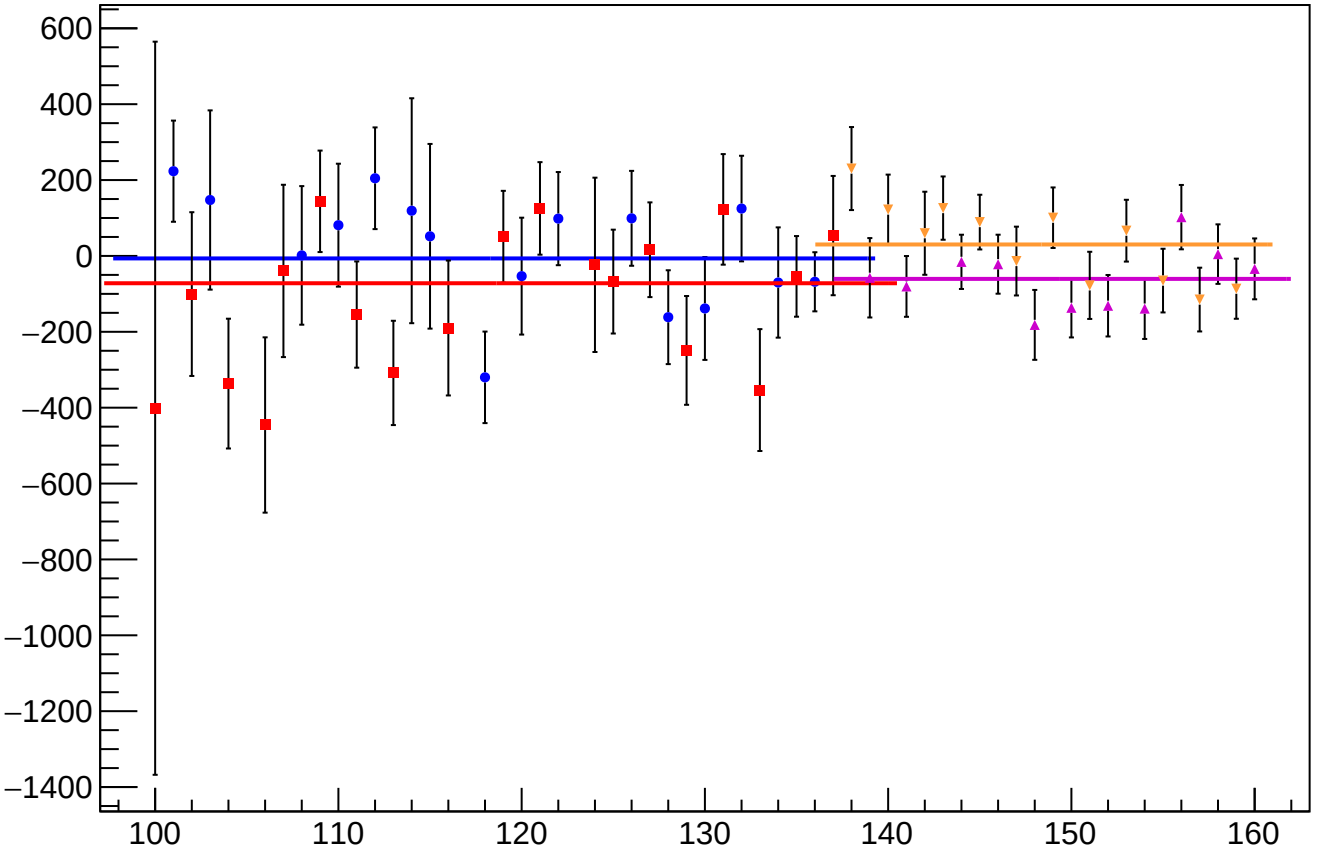
Left In: 745.775+/-0.174 χ^2/NDF:670661.1/10

+ sign 866.266+/-0.158 χ^2/NDF: 3113717.4/27

All: 863.476+/-0.111 χ^2/NDF: 6443178.9/57

- 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: 30.199+/-24.840 χ^2/NDF:15.5/11

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

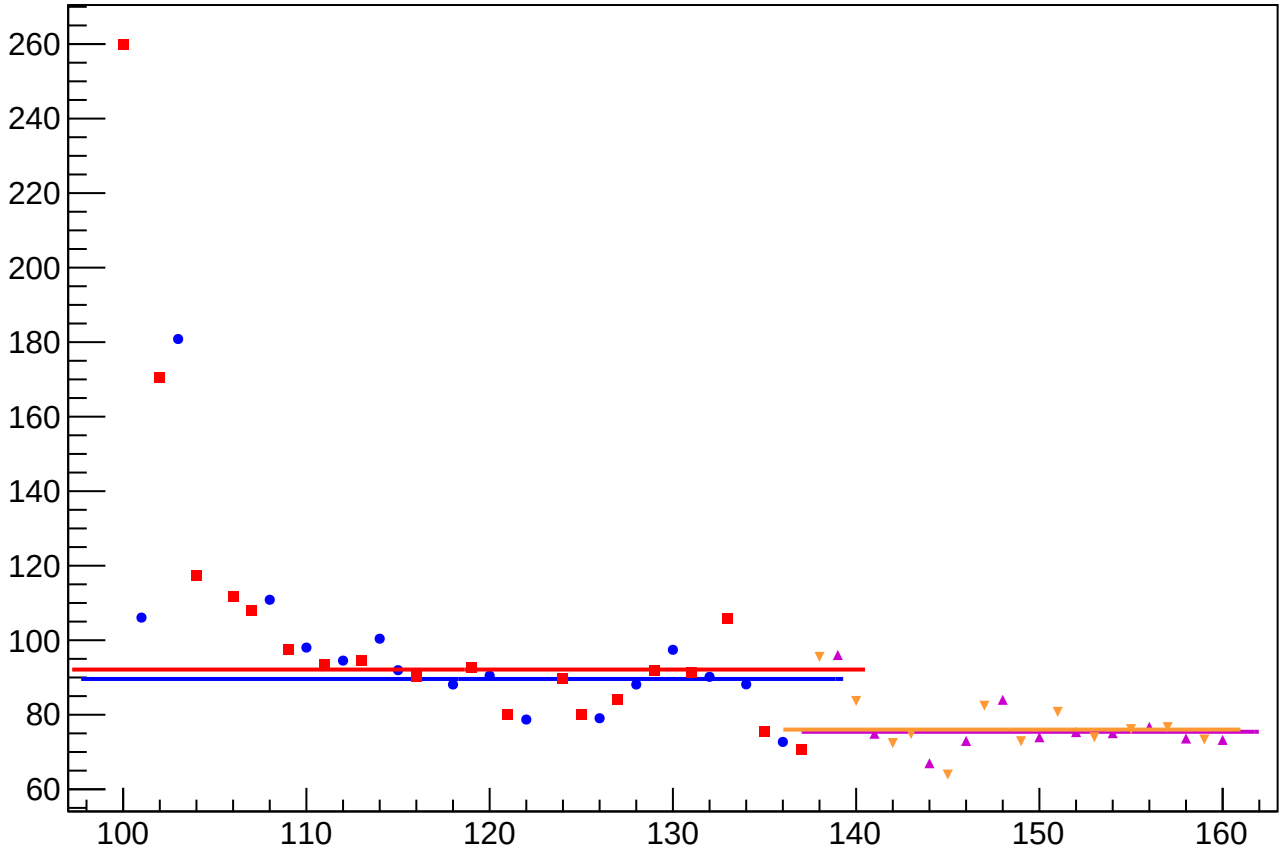
Left In: -60.523+/-24.582 χ^2/NDF:9.6/10

+ sign 17.543+/-20.116 χ^2/NDF: 35.2/27

All: -23.434+/-14.216 χ^2/NDF: 75.9/57

- 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: 76.016+/-0.018 χ^2/NDF:158741.6/11

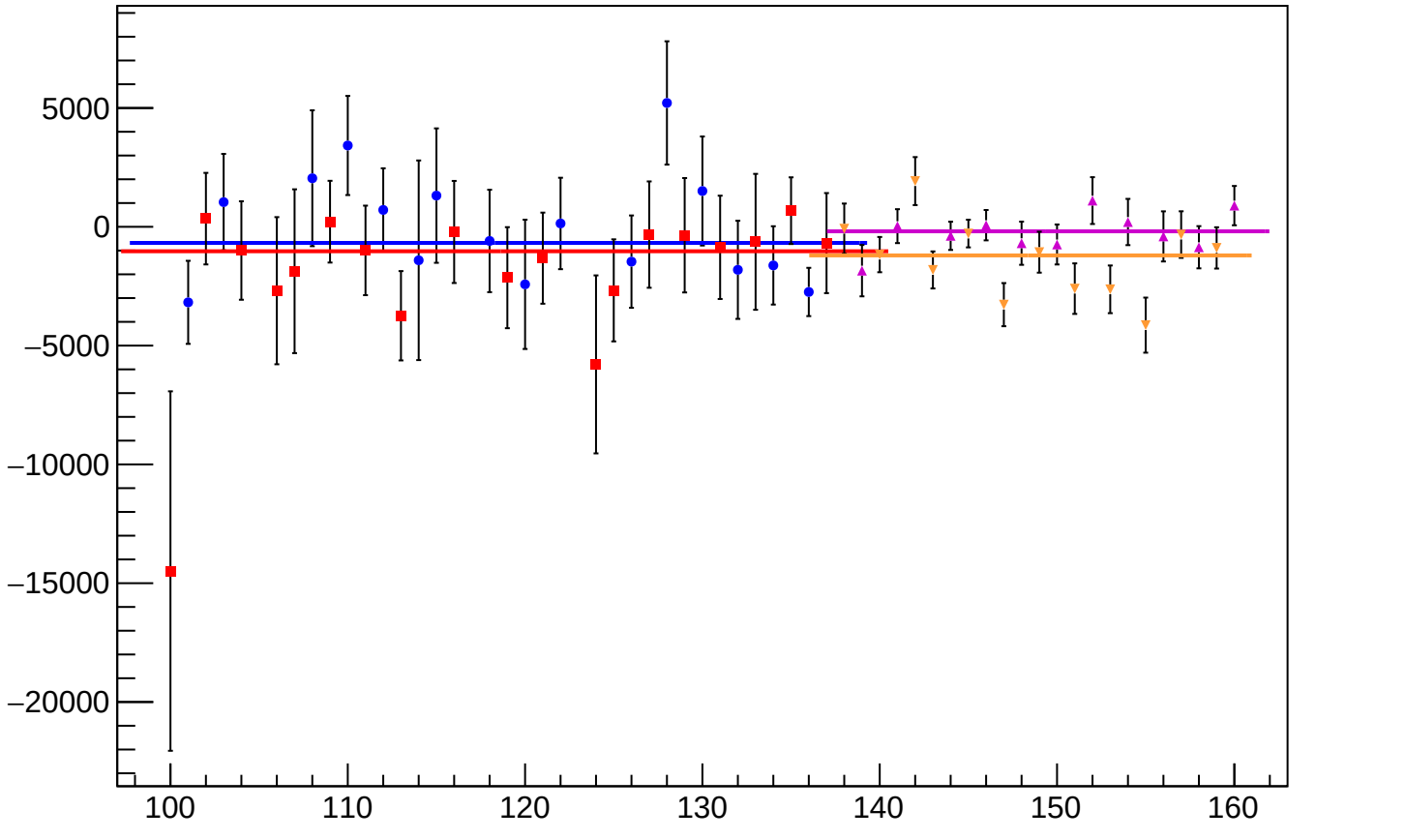
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.431+/-0.017 χ^2/NDF:128617.1/10

+ sign 80.693+/-0.014 χ^2/NDF: 863103.0/27

All: 80.832+/-0.010 χ^2/NDF: 1838434.0/57

- 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: -1203.774+/-251.293 χ^2/NDF:30.2/11

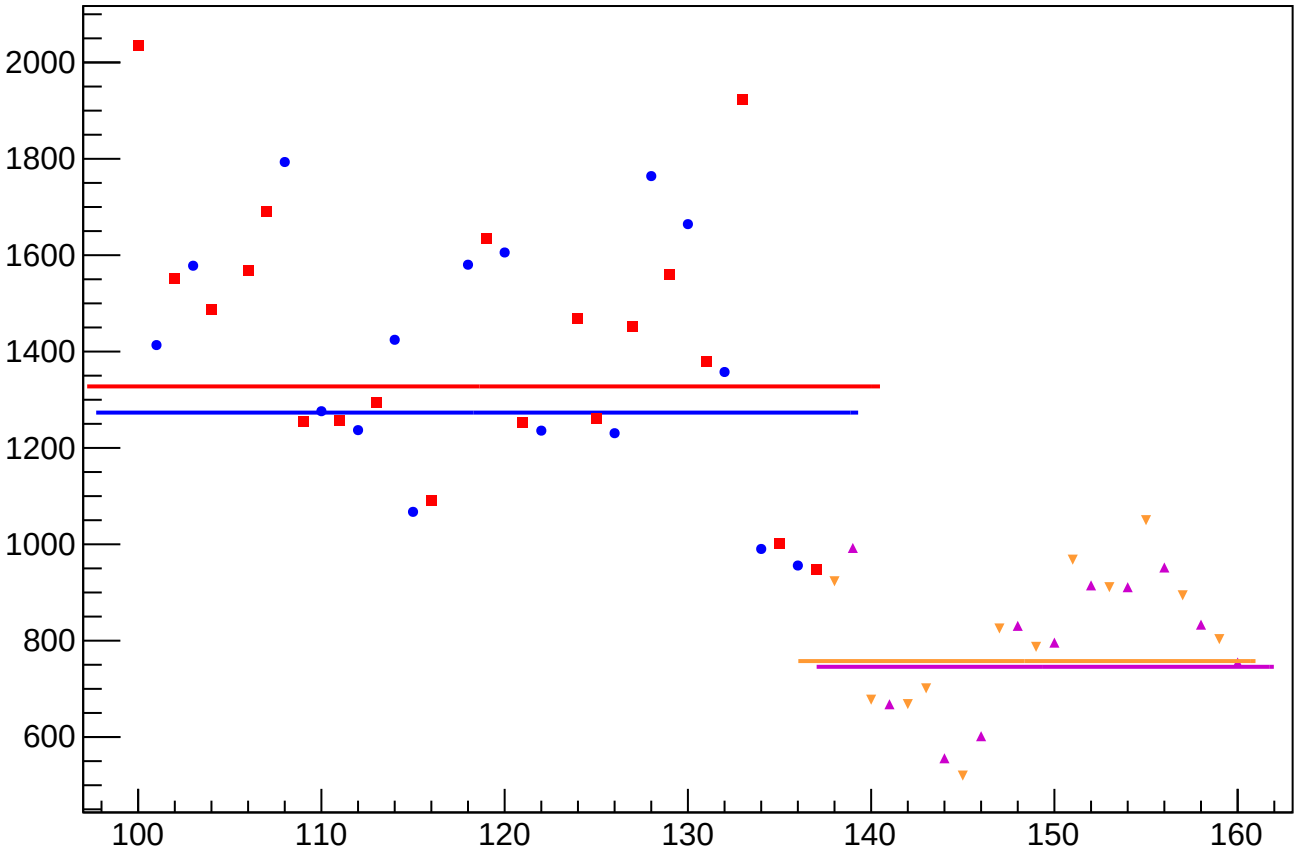
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -189.847+/-246.629 χ^2/NDF:7.6/10

+ sign -1092.895+/-223.266 χ^2/NDF: 51.4/27

All: -720.425+/-157.038 χ^2/NDF: 77.8/57

- 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: 757.652+/-0.178 χ^2/NDF:742251.1/11

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

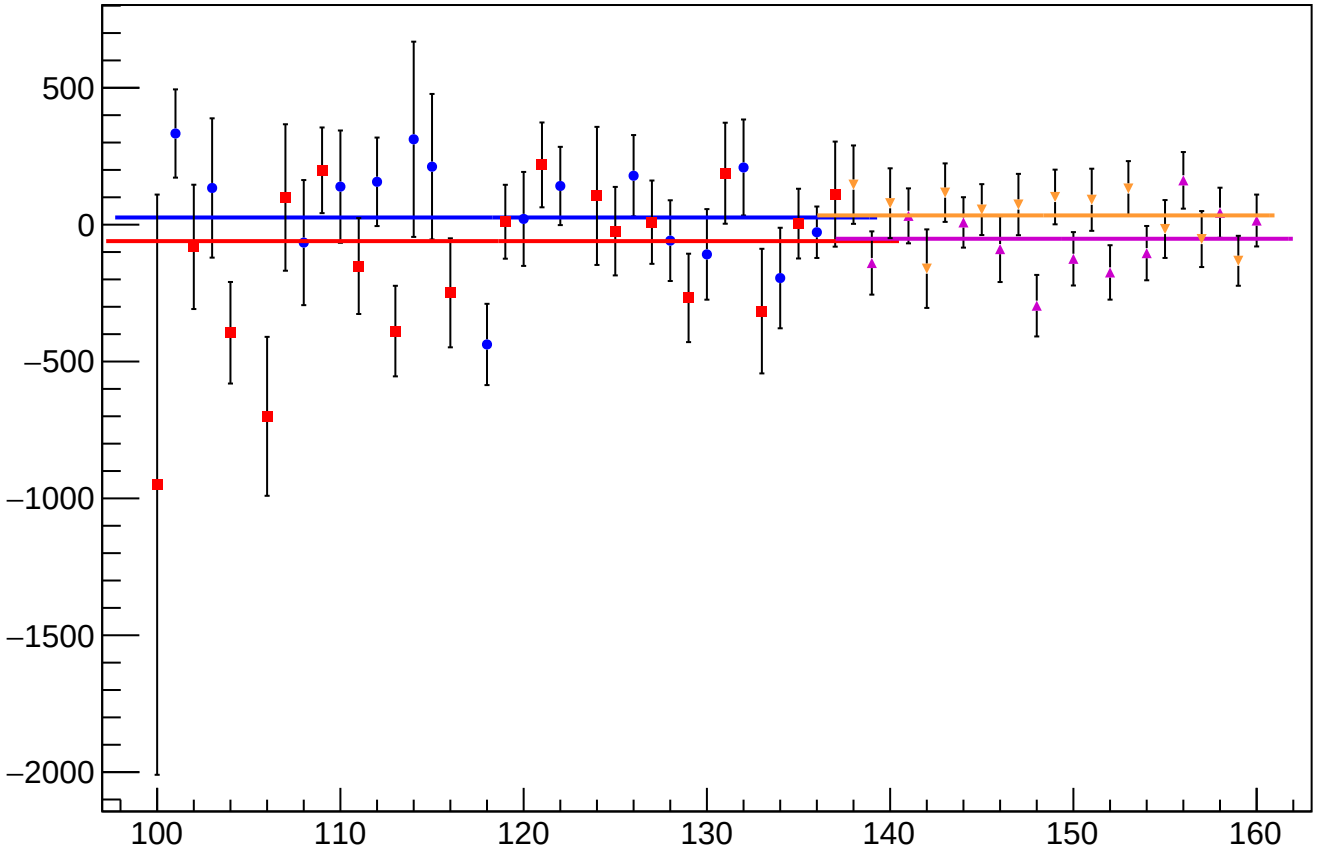
Left In: 745.775+/-0.174 χ^2/NDF:670661.1/10

+ sign 866.266+/-0.158 χ^2/NDF: 3113717.4/27

All: 863.476+/-0.111 χ^2/NDF: 6443178.9/57

- 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: 33.831+/-31.244 χ^2/NDF:9.3/11

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

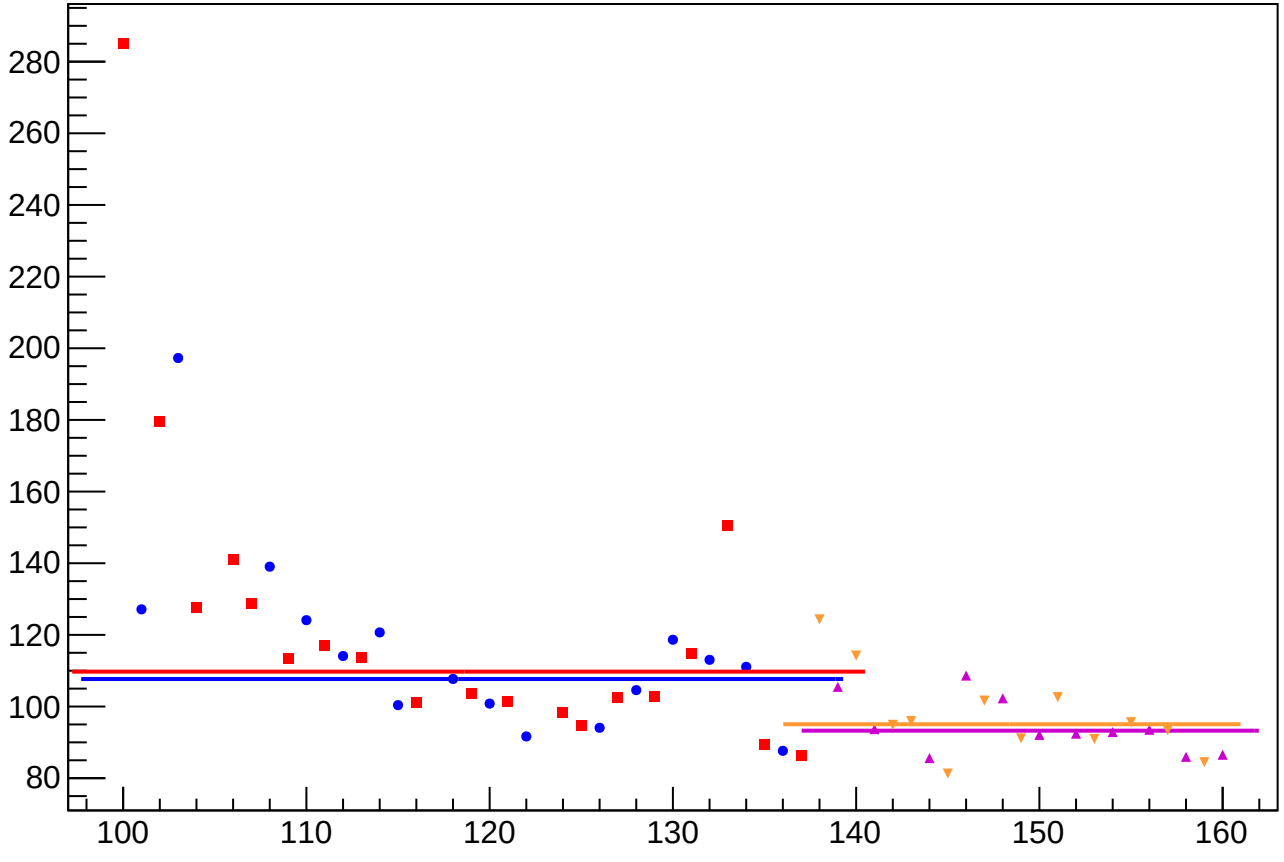
Left In: -51.519+/-30.541 χ^2/NDF:14.7/10

+ sign 31.065+/-24.900 χ^2/NDF: 30.7/27

All: -12.248+/-17.501 χ^2/NDF: 78.4/57

- 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: 95.064+/-0.022 χ^2/NDF:222570.7/11

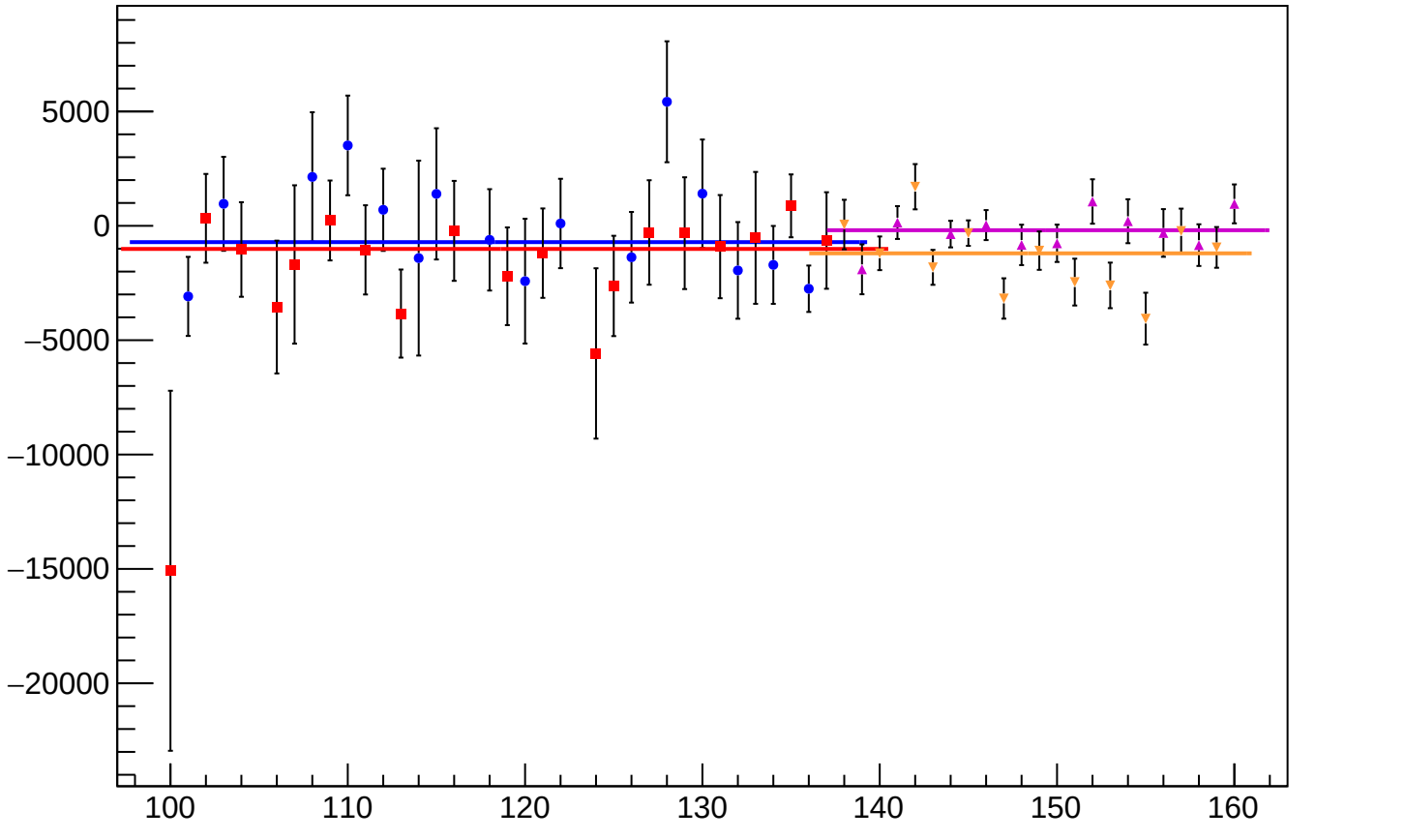
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 93.262+/-0.022 χ^2/NDF:105003.4/10

+ sign 99.667+/-0.018 χ^2/NDF: 824683.7/27

All: 99.353+/-0.012 χ^2/NDF: 1626458.6/57

- sign 99.045+/-0.017 χ^2/NDF: 801143.5/29



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1202.322+/-246.824 χ^2/NDF:29.1/11

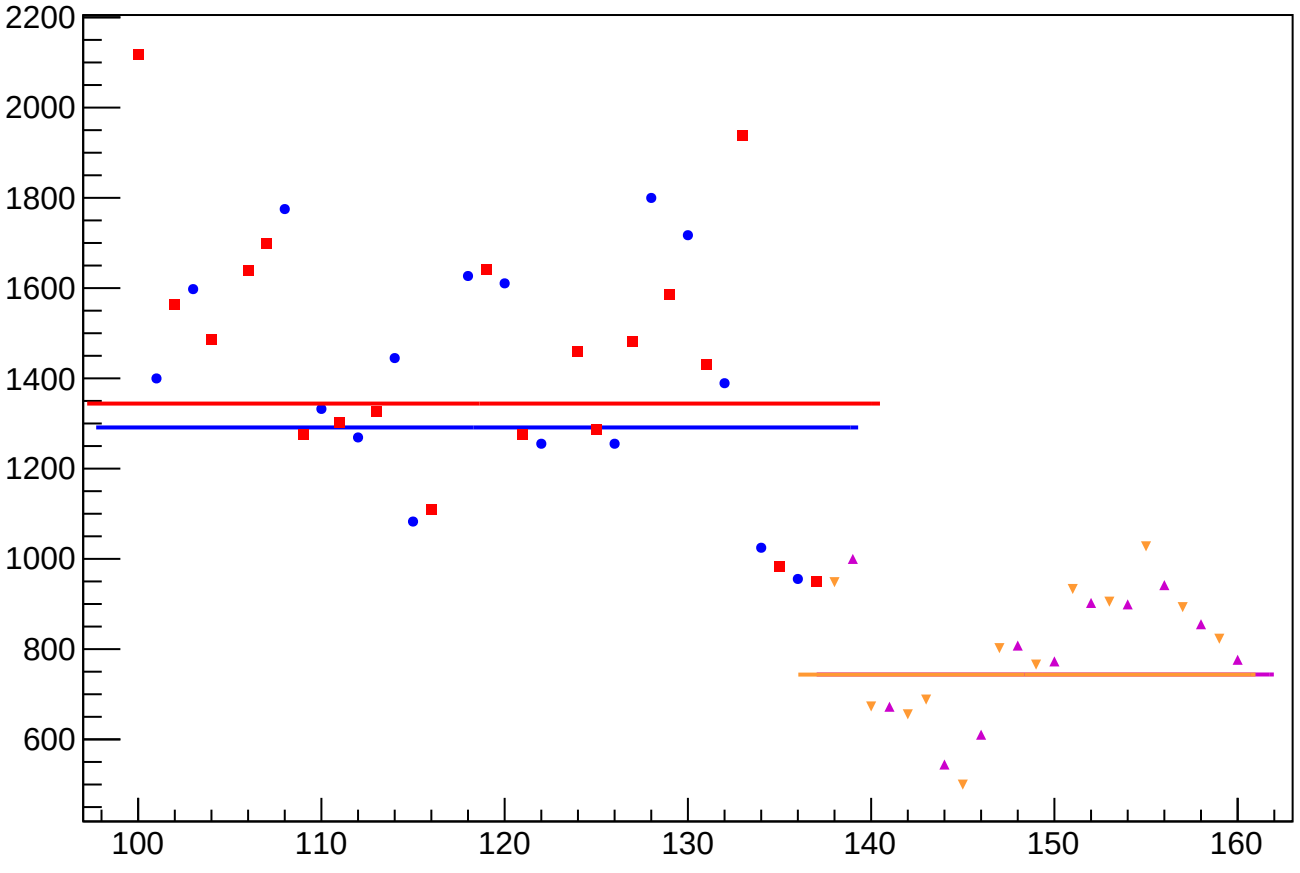
Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: -191.811+/-246.131 χ^2/NDF:8.1/10

+ sign -1104.309+/-220.731 χ^2/NDF: 50.0/27

All: -727.921+/-156.156 χ^2/NDF: 77.8/57

- sign -350.808+/-220.944 χ^2/NDF: 22.0/29



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 743.576+/-0.175 χ^2/NDF:819490.1/11

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

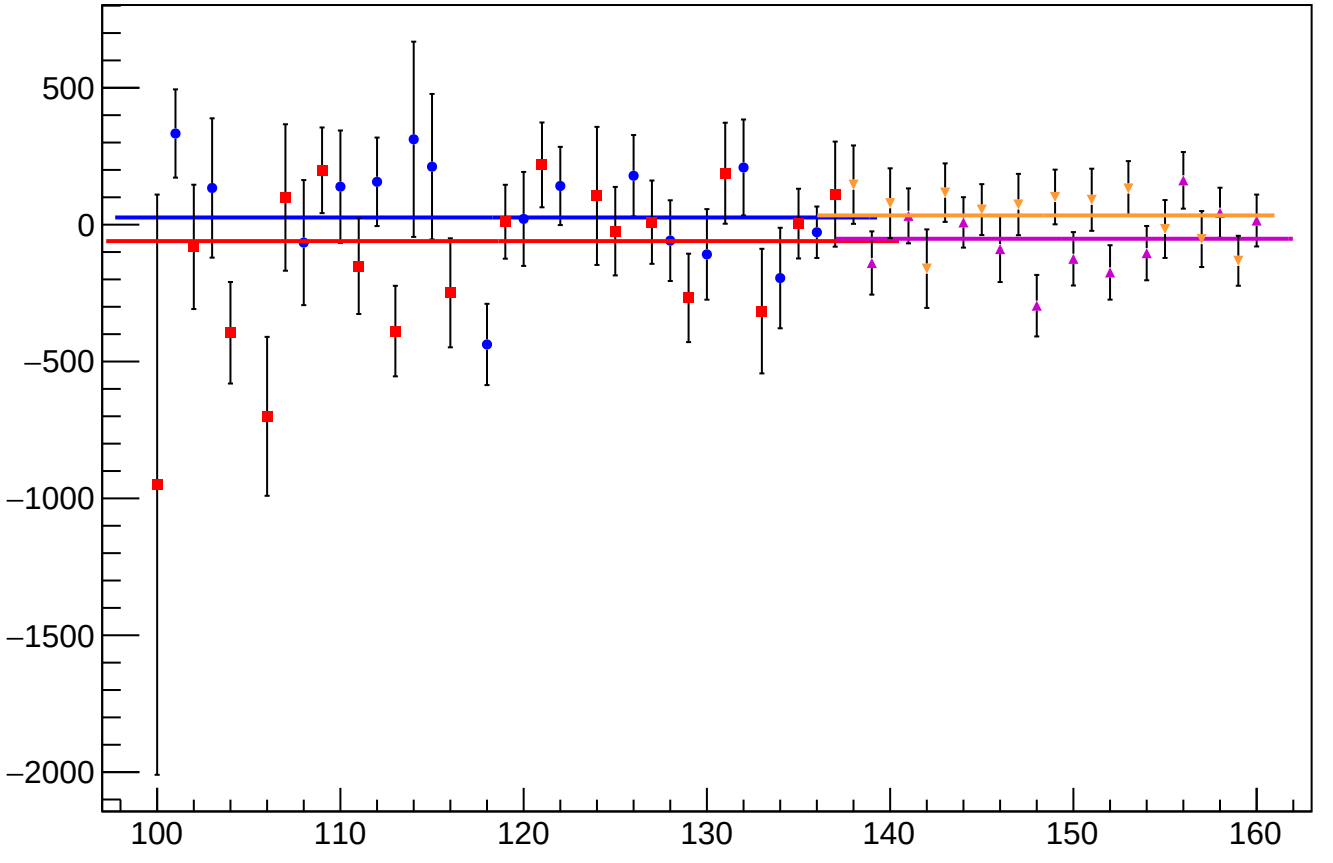
Left In: 743.804+/-0.174 χ^2/NDF:672563.9/10

+ sign 853.246+/-0.156 χ^2/NDF: 3402098.0/27

All: 856.811+/-0.110 χ^2/NDF: 6877098.9/57

- 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: 33.832+/-31.244 χ^2/NDF:9.3/11

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

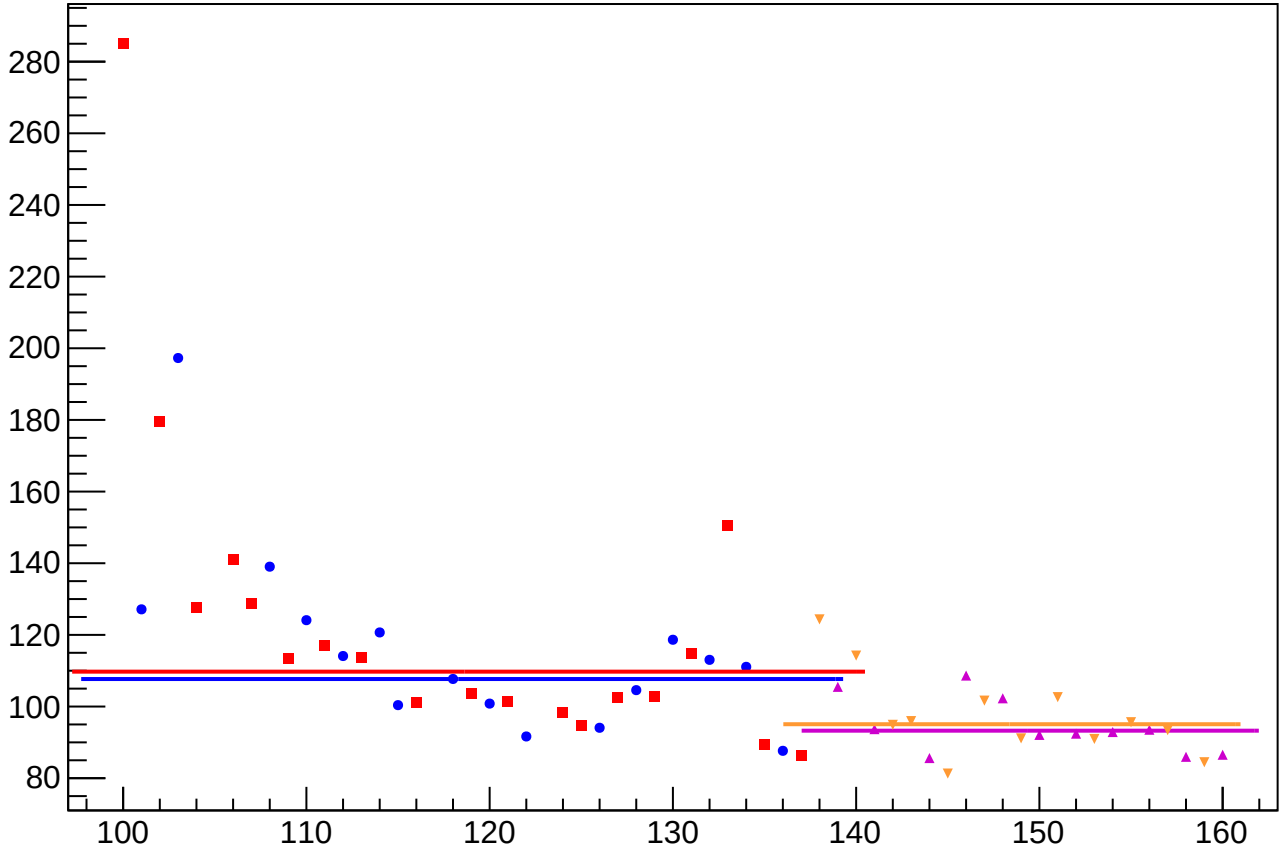
Left In: -51.517+/-30.541 χ^2/NDF:14.7/10

\+ sign 31.066+/-24.900 χ^2/NDF: 30.7/27

All: -12.247+/-17.501 χ^2/NDF: 78.4/57

\- 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: 95.064+/-0.022 χ^2/NDF:222562.8/11

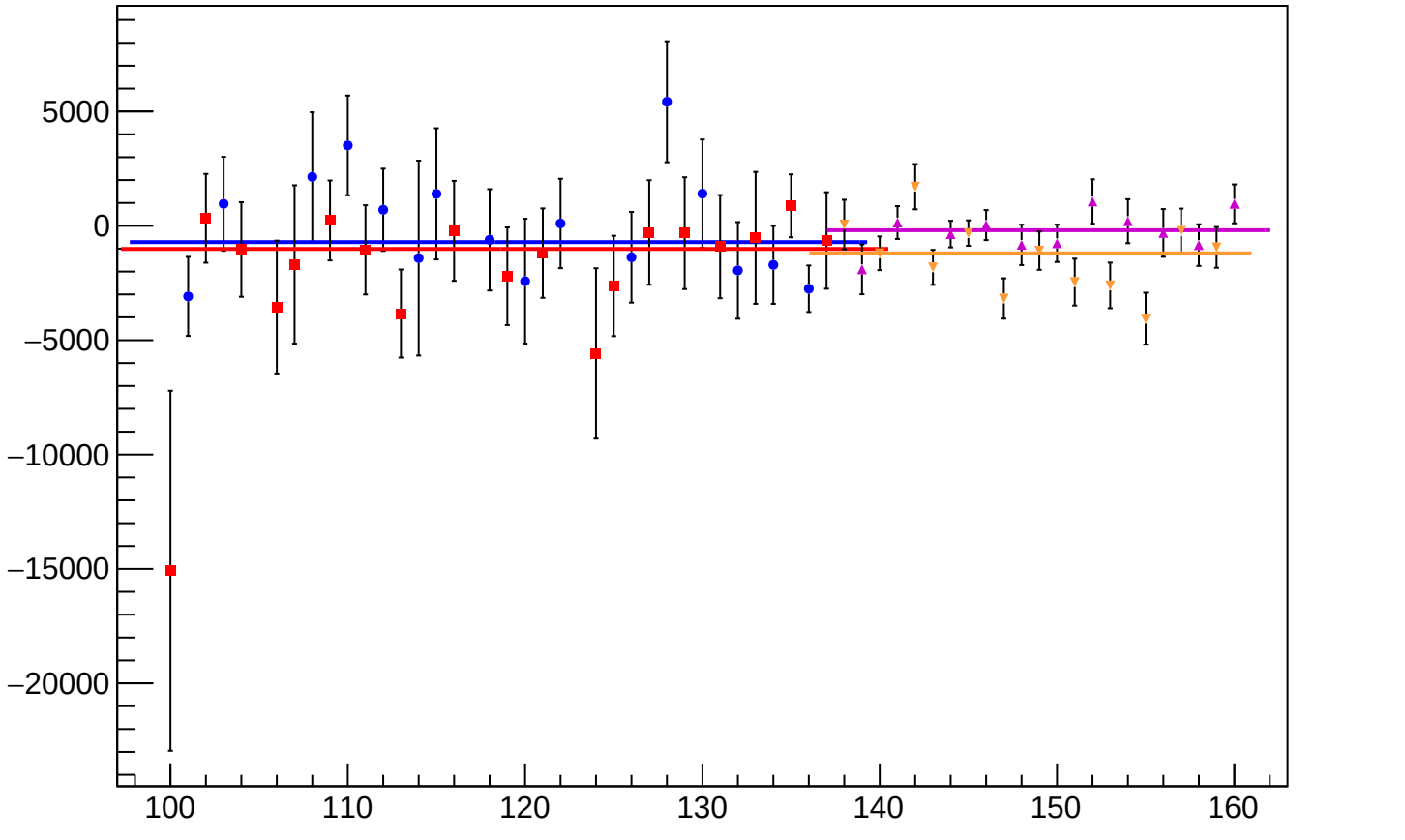
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 93.262+/-0.022 χ^2/NDF:105005.7/10

+ sign 99.667+/-0.018 χ^2/NDF: 824641.8/27

All: 99.353+/-0.012 χ^2/NDF: 1626395.4/57

- 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: -1202.320+/-246.824 χ^2/NDF:29.1/11

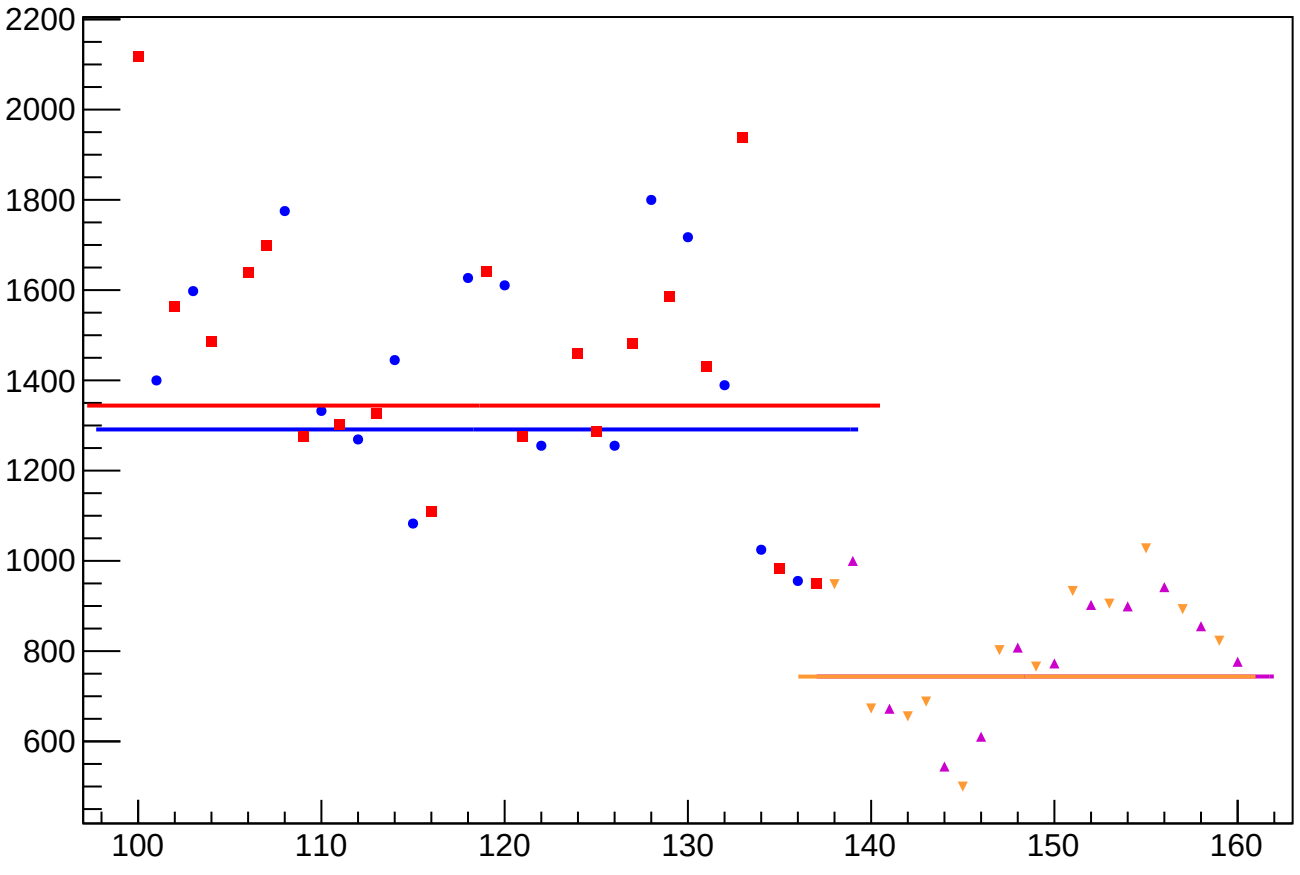
Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: -191.810+/-246.131 χ^2/NDF:8.1/10

+ sign -1104.306+/-220.731 χ^2/NDF: 50.0/27

All: -727.920+/-156.155 χ^2/NDF: 77.8/57

- 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: 743.574+/-0.175 χ^2/NDF:819498.0/11

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

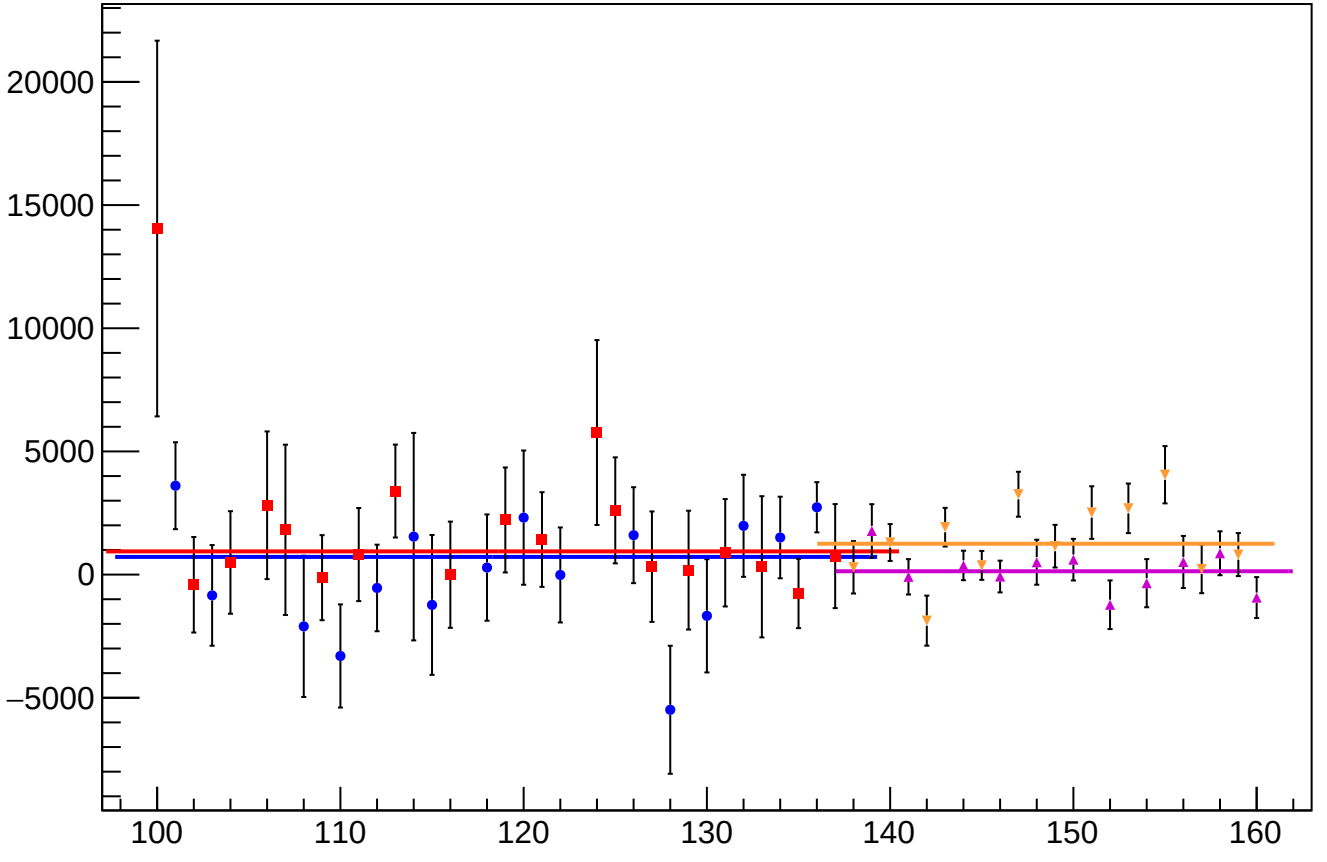
Left In: 743.803+/-0.174 χ^2/NDF:672563.9/10

+ sign 853.244+/-0.156 χ^2/NDF: 3402103.0/27

All: 856.809+/-0.110 χ^2/NDF: 6877098.3/57

- 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: 1253.148+/-252.691 χ^2/NDF:28.7/11

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

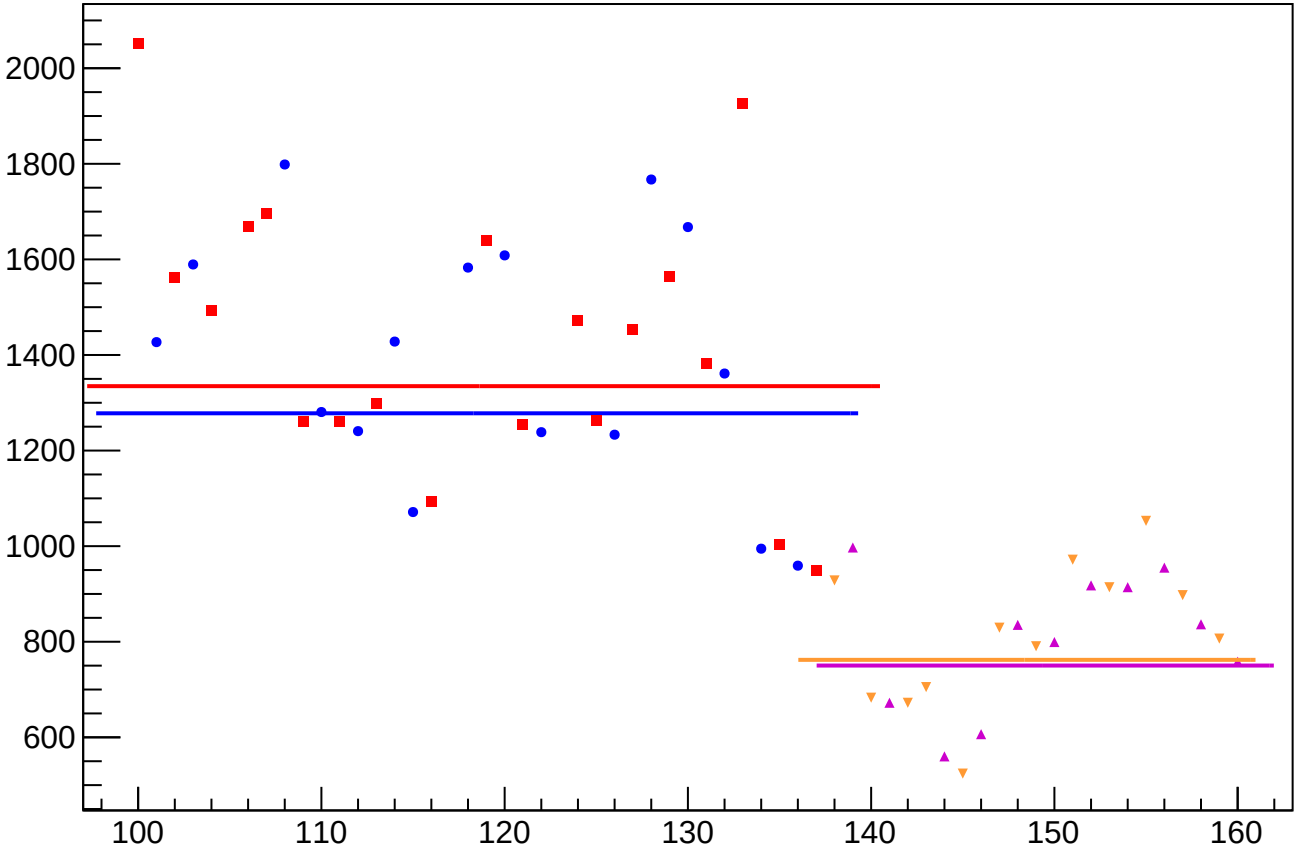
Left In: 135.481+/-248.009 χ^2/NDF:7.7/10

\+ sign 1140.005+/-224.416 χ^2/NDF: 50.6/27

All: 713.344+/-157.827 χ^2/NDF: 78.2/57

\- 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: 762.112+/-0.179 χ^2/NDF:730835.7/11

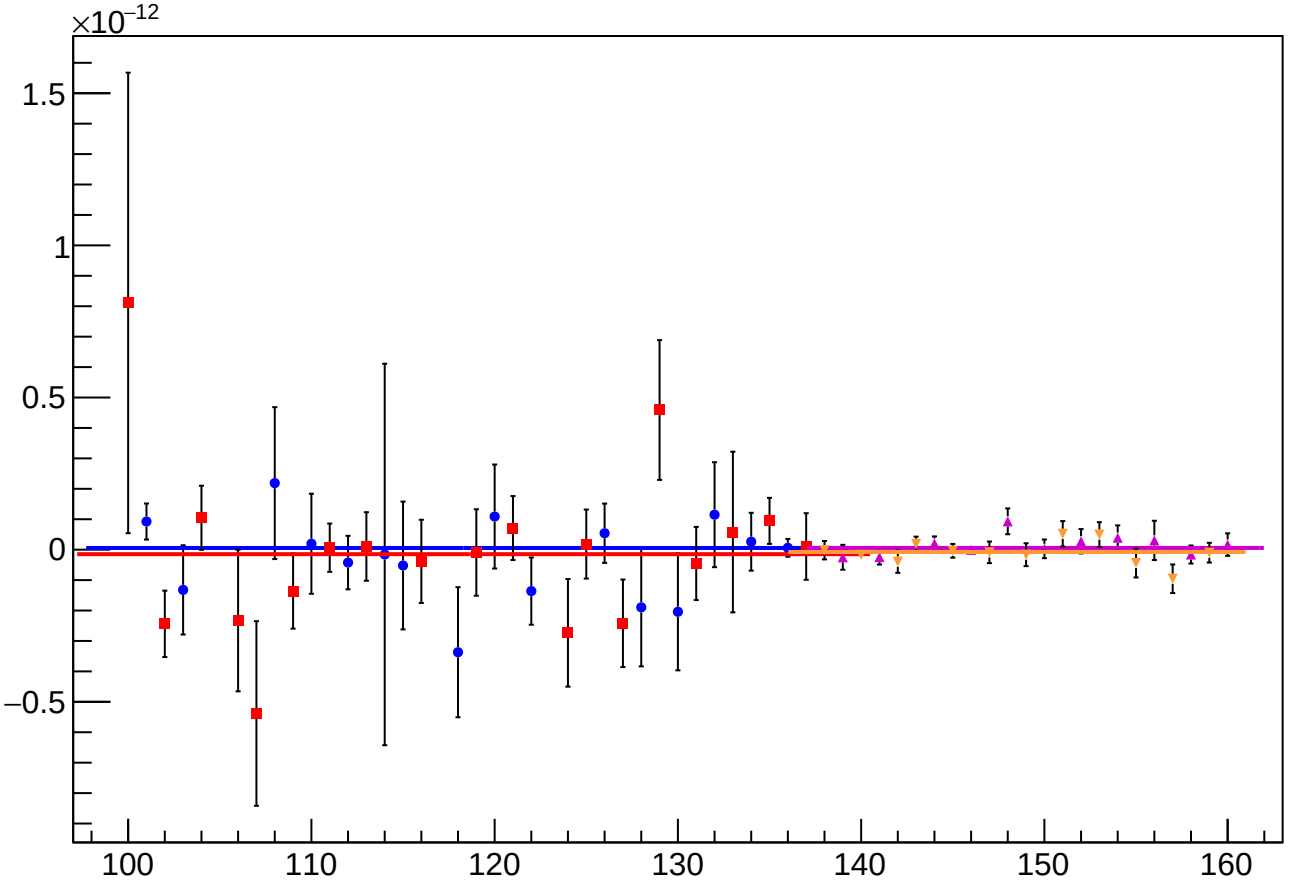
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 750.184+/-0.175 χ^2/NDF:659931.2/10

+ sign 871.100+/-0.159 χ^2/NDF: 3089540.8/27

All: 868.694+/-0.112 χ^2/NDF: 6429748.9/57

- 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:10.6/11

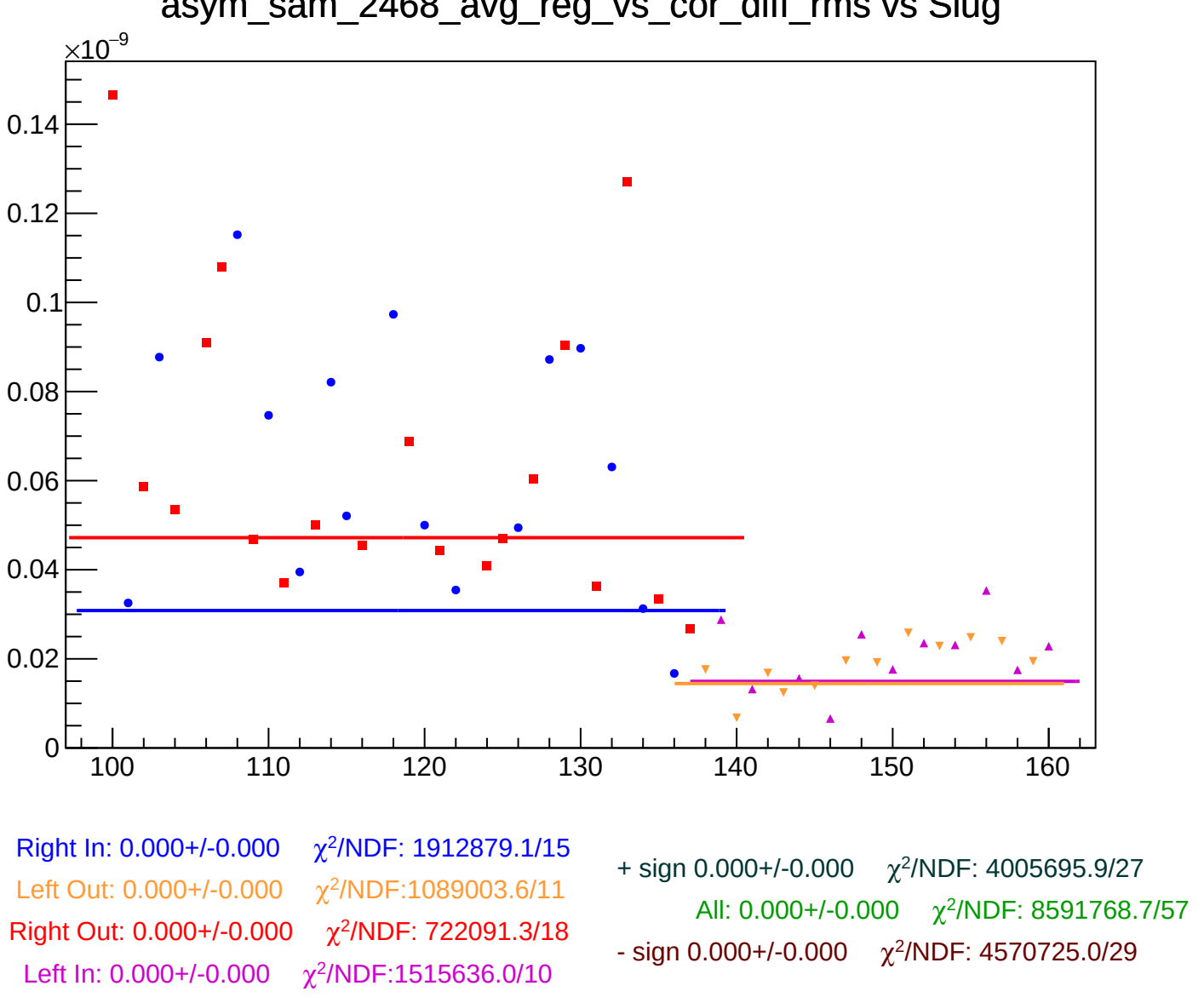
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

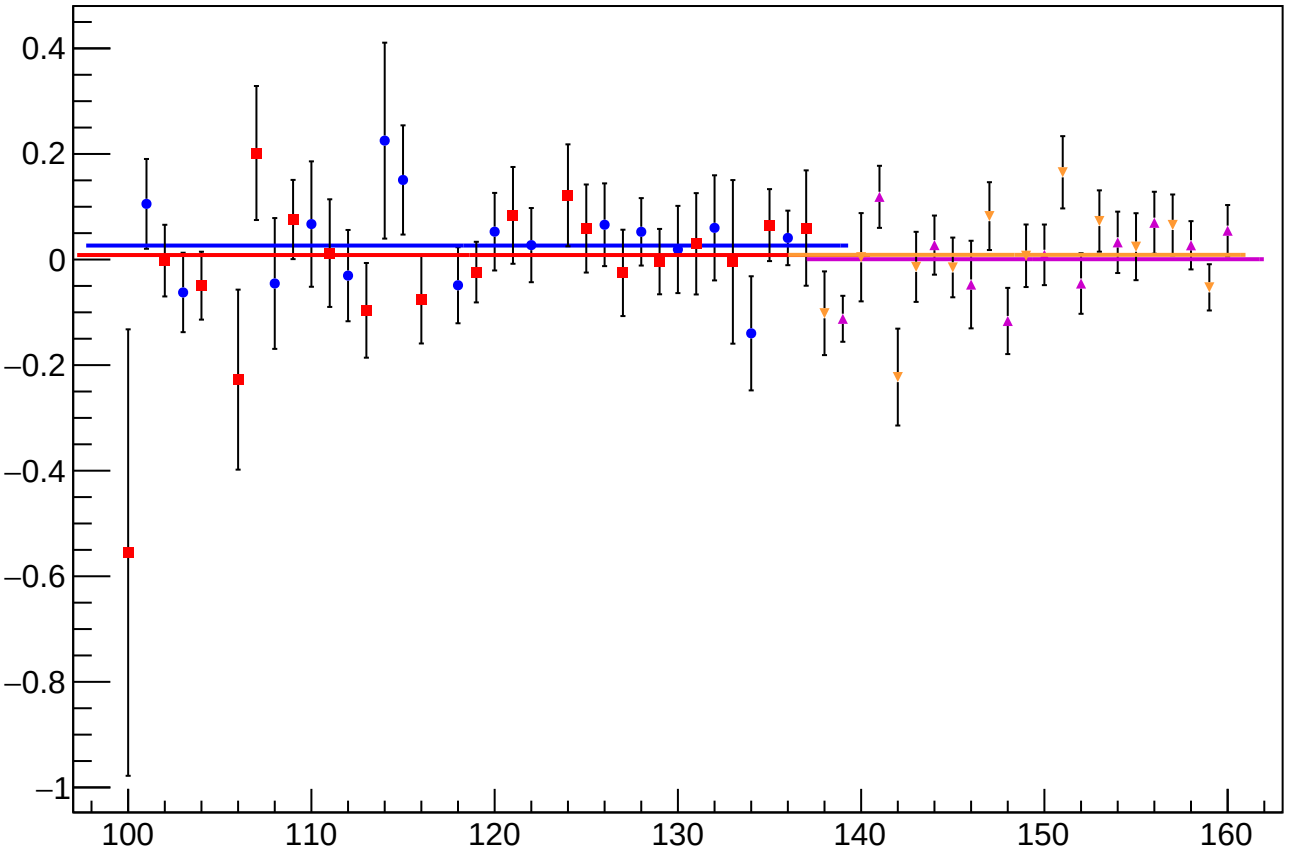
Left In: 0.000+/-0.000 χ^2/NDF:8.6/10

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/27

All: -0.000+/-0.000 χ^2/NDF: 56.2/57

- sign 0.000+/-0.000 χ^2/NDF: 32.9/29


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1912879.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1089003.6/11
Right Out: 0.000+/-0.000 χ²/NDF: 722091.3/18
Left In: 0.000+/-0.000 χ²/NDF:1515636.0/10
+ sign 0.000+/-0.000 χ²/NDF: 4005695.9/27
All: 0.000+/-0.000 χ²/NDF: 8591768.7/57
- sign 0.000+/-0.000 χ²/NDF: 4570725.0/29



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.009+/-0.018 χ^2/NDF:19.3/11

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

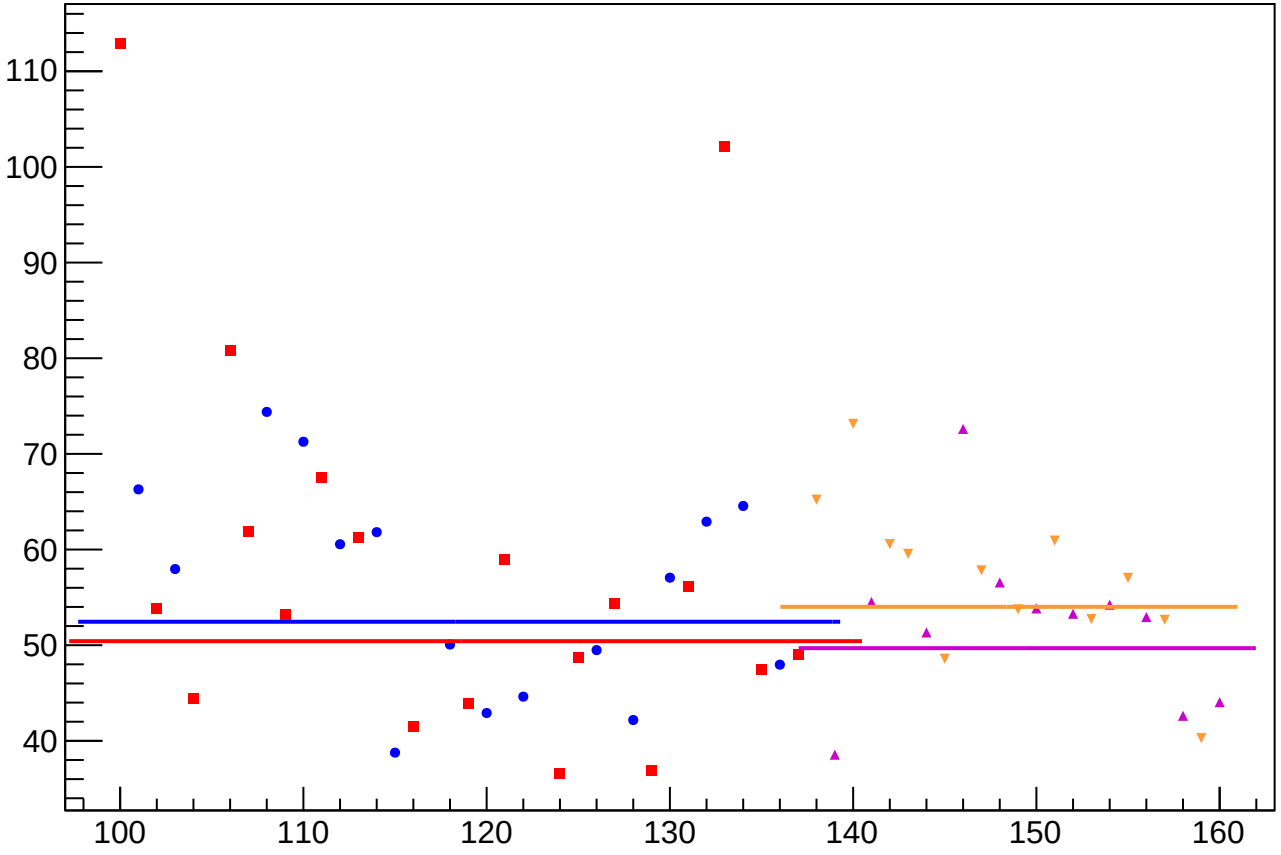
Left In: 0.001+/-0.017 χ^2/NDF:18.7/10

+ sign 0.017+/-0.014 χ^2/NDF: 29.7/27

All: 0.010+/-0.009 χ^2/NDF: 62.9/57

- 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: 54.011+/-0.013 χ^2/NDF:417666.7/11

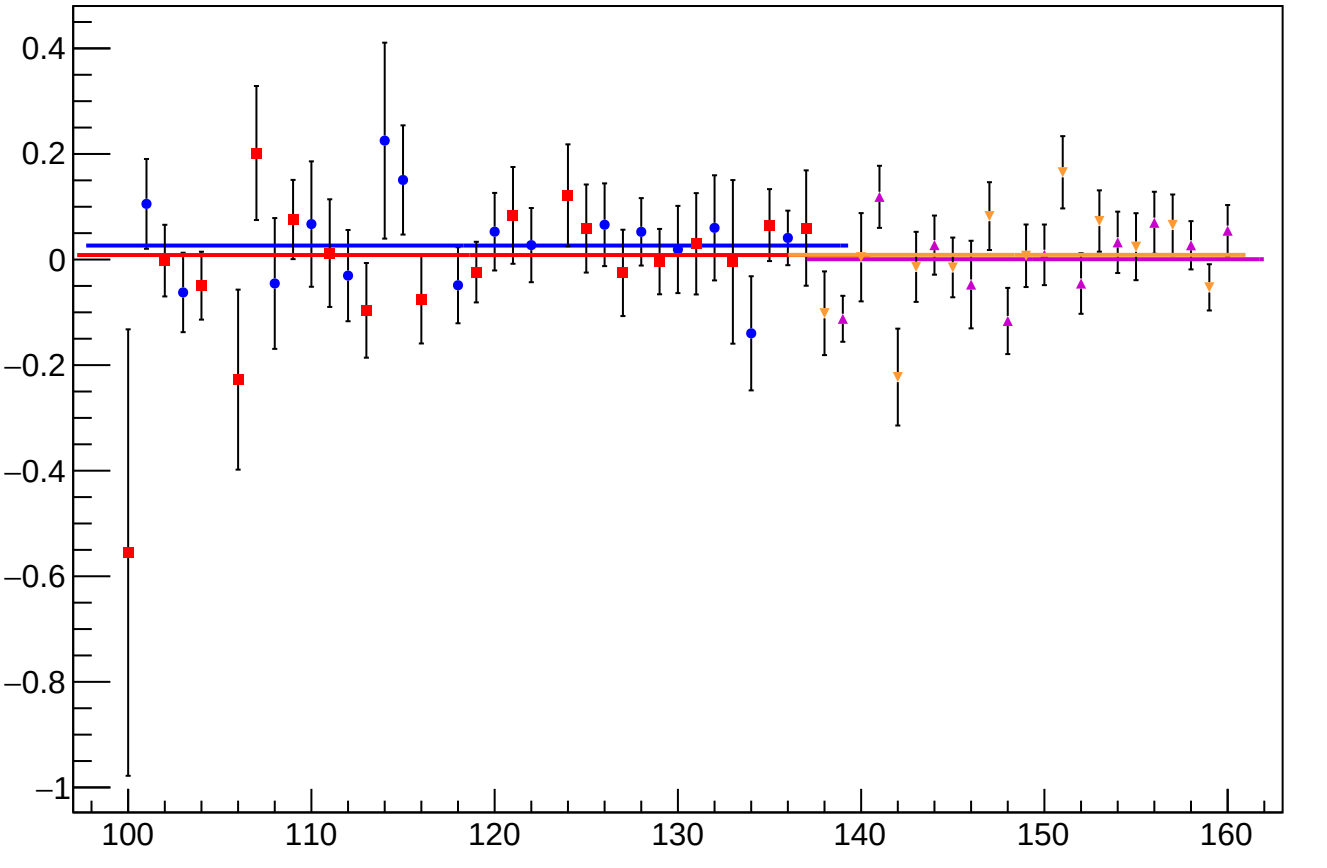
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 49.690+/-0.012 χ^2/NDF:433981.1/10

+ sign 53.326+/-0.010 χ^2/NDF: 842245.2/27

All: 51.549+/-0.007 χ^2/NDF: 2019288.0/57

- 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: 0.009+/-0.018 χ^2/NDF:19.3/11

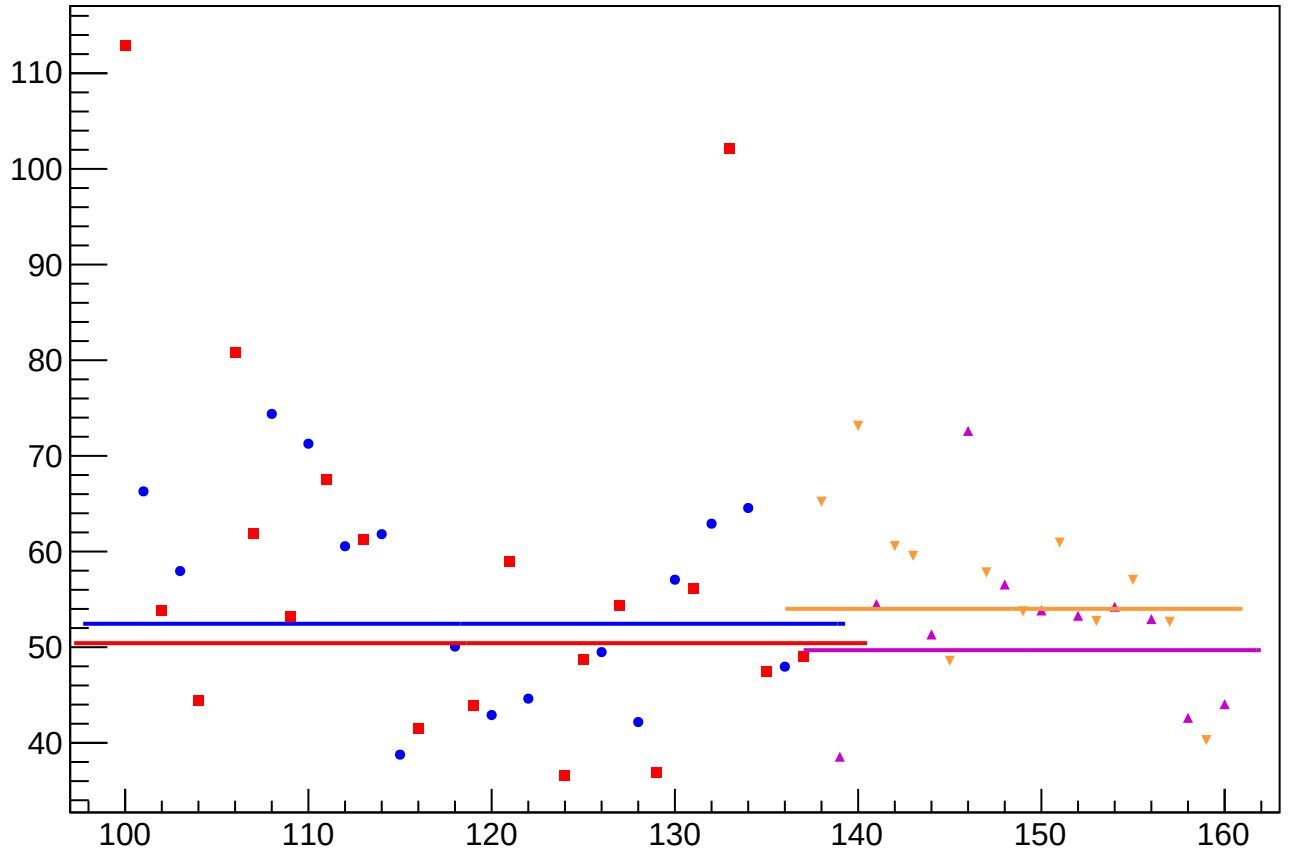
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.001+/-0.017 χ^2/NDF:18.7/10

+ sign 0.017+/-0.014 χ^2/NDF: 29.7/27

All: 0.010+/-0.009 χ^2/NDF: 62.9/57

- 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: 54.011+/-0.013 χ^2/NDF:417666.7/11

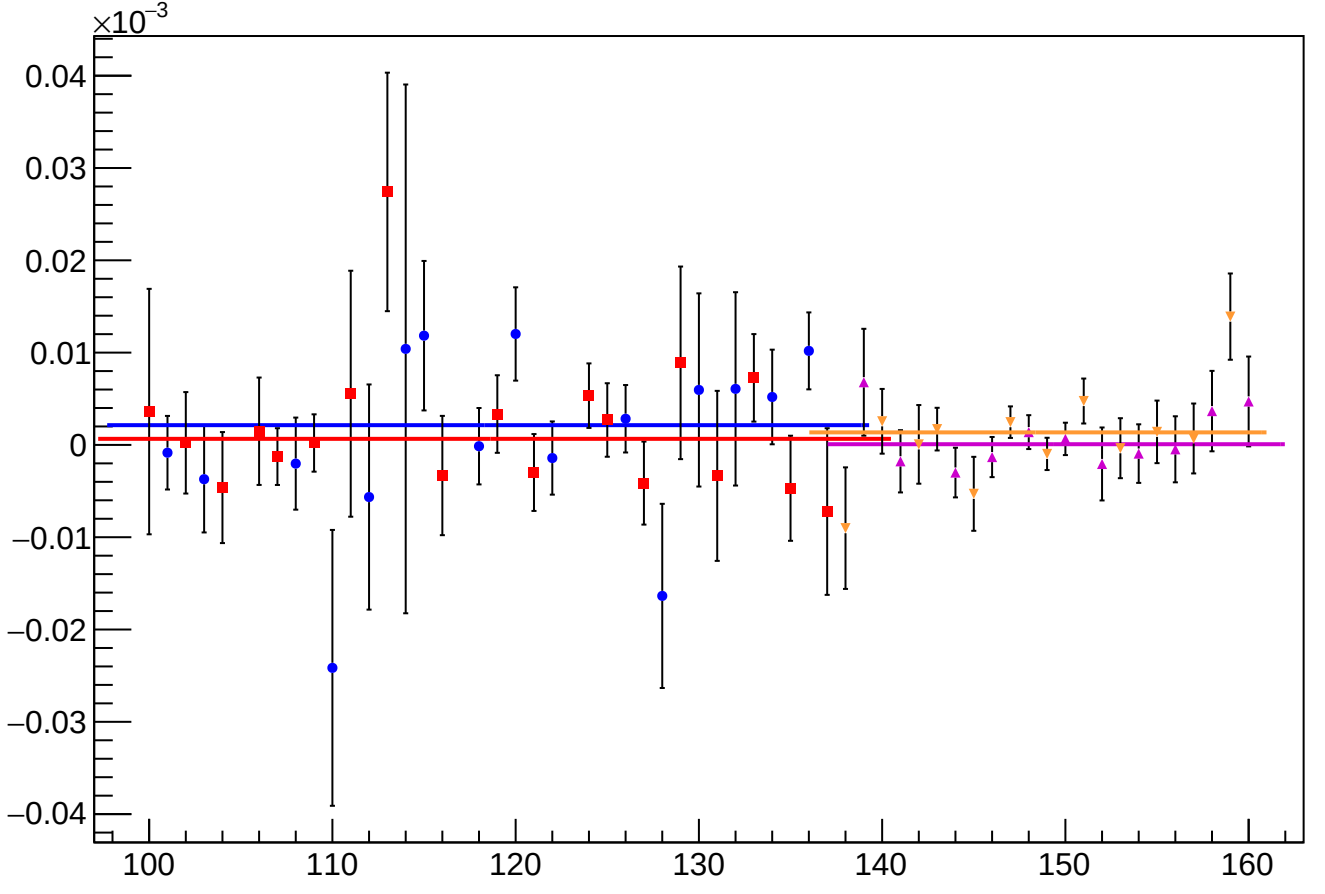
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 49.690+/-0.012 χ^2/NDF:433981.1/10

+ sign 53.326+/-0.010 χ^2/NDF: 842245.2/27

All: 51.549+/-0.007 χ^2/NDF: 2019288.0/57

- 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:17.1/11

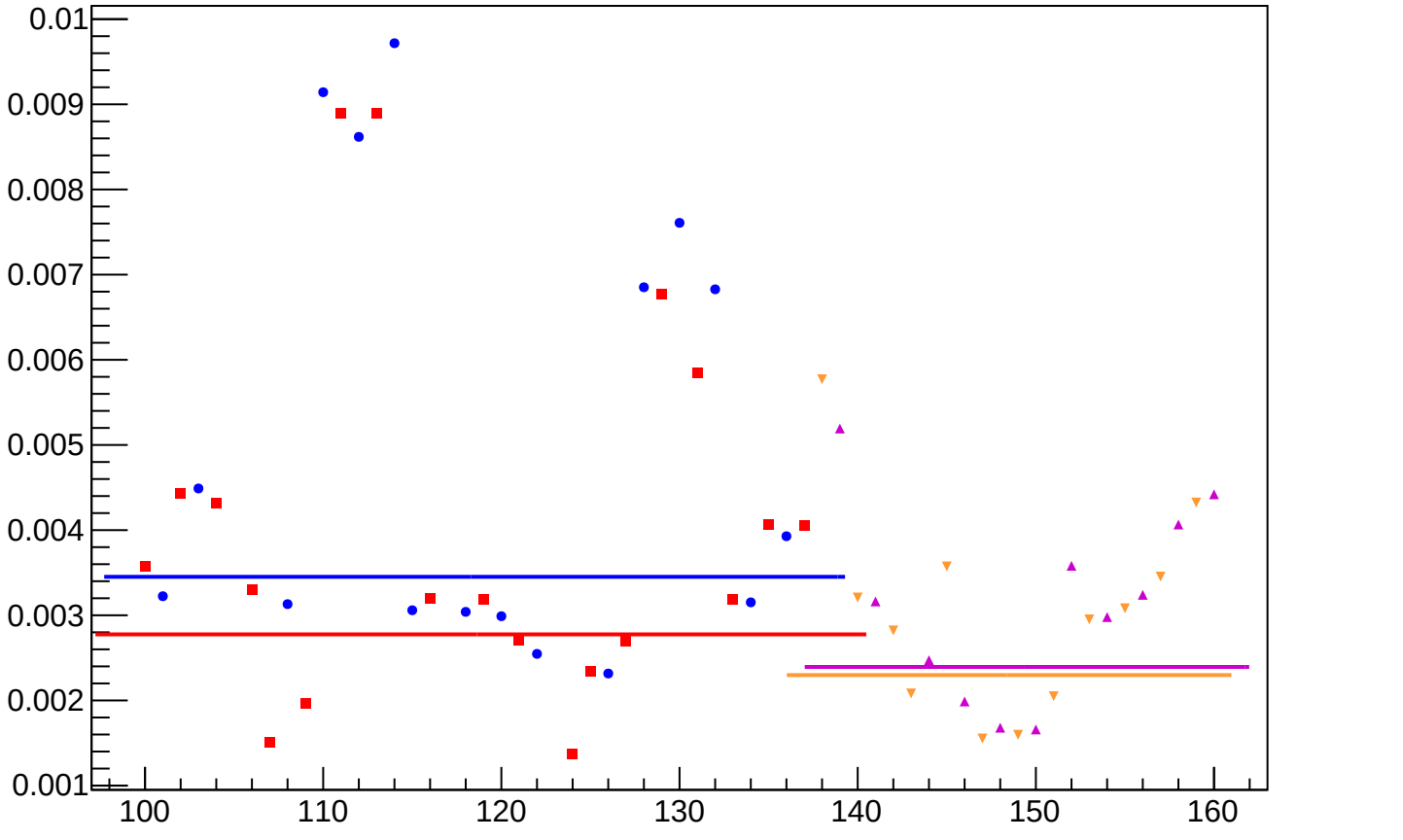
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 37.4/27

All: 0.000+/-0.000 χ^2/NDF: 60.1/57

- sign 0.000+/-0.000 χ^2/NDF: 21.0/29



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2414278.7/11

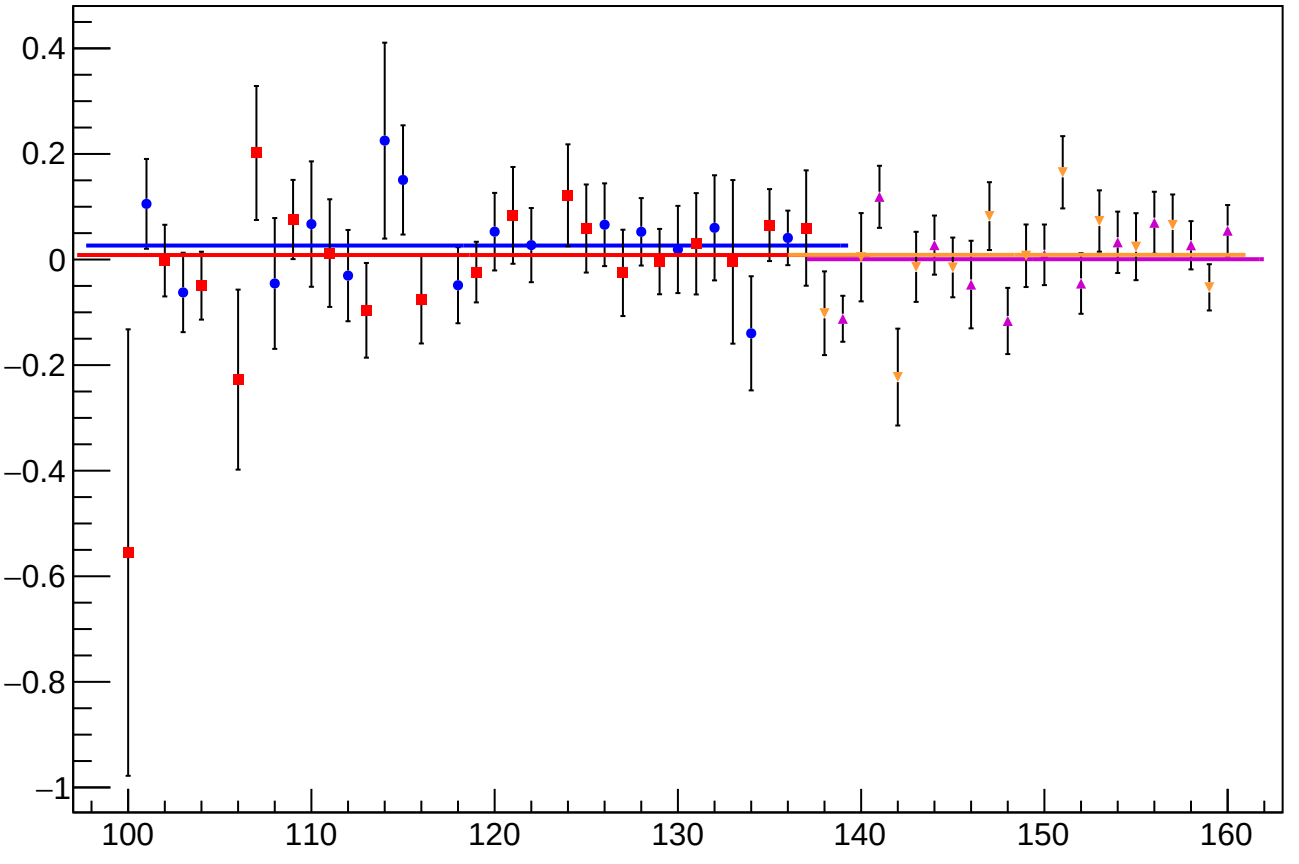
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:2298584.5/10

+ sign 0.003+/-0.000 χ^2/NDF: 5402427.6/27

All: 0.003+/-0.000 χ^2/NDF: 10588894.5/57

- sign 0.003+/-0.000 χ^2/NDF: 5178183.5/29



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.009+/-0.018 χ^2/NDF:19.3/11

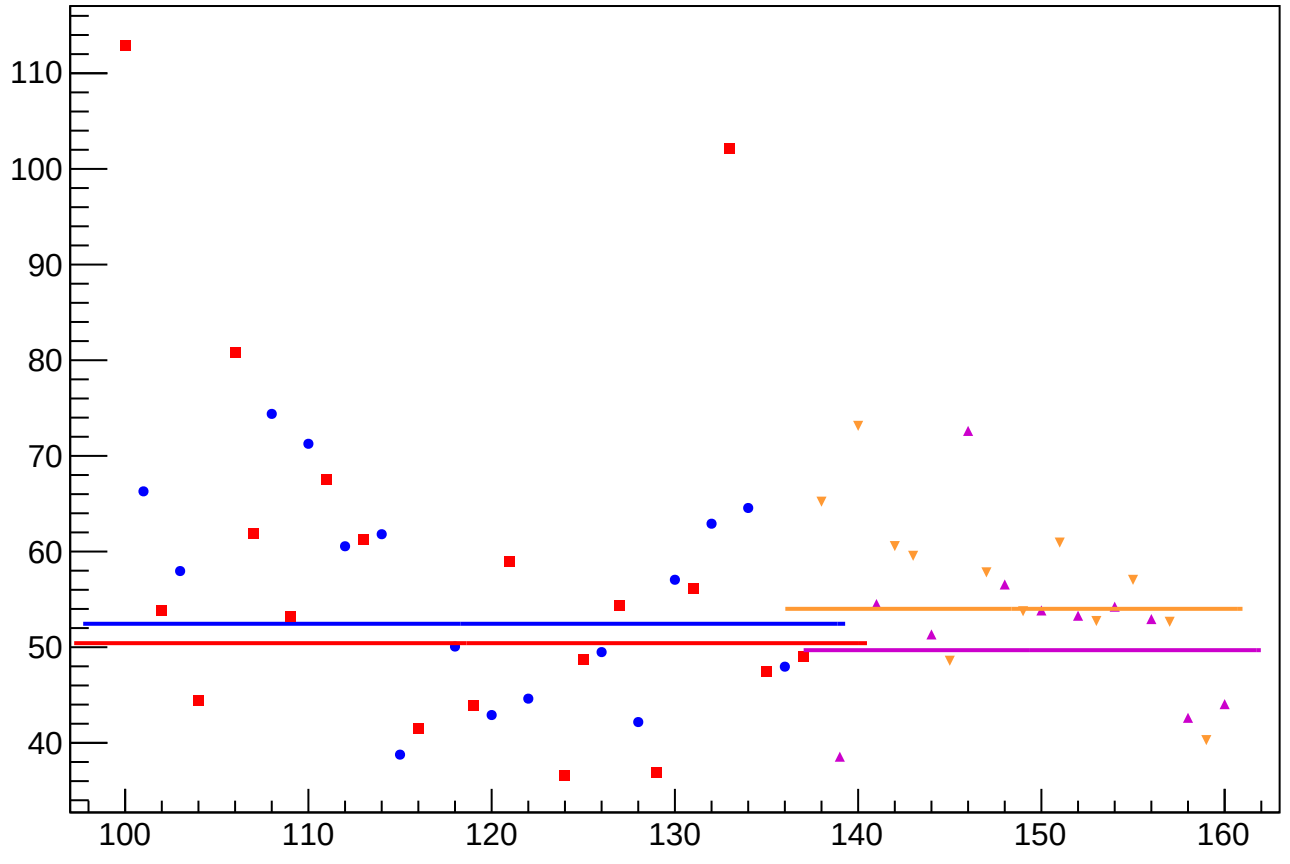
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.001+/-0.017 χ^2/NDF:18.7/10

+ sign 0.017+/-0.014 χ^2/NDF: 29.7/27

All: 0.010+/-0.009 χ^2/NDF: 62.9/57

- 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: 54.012+/-0.013 χ^2/NDF:417679.4/11

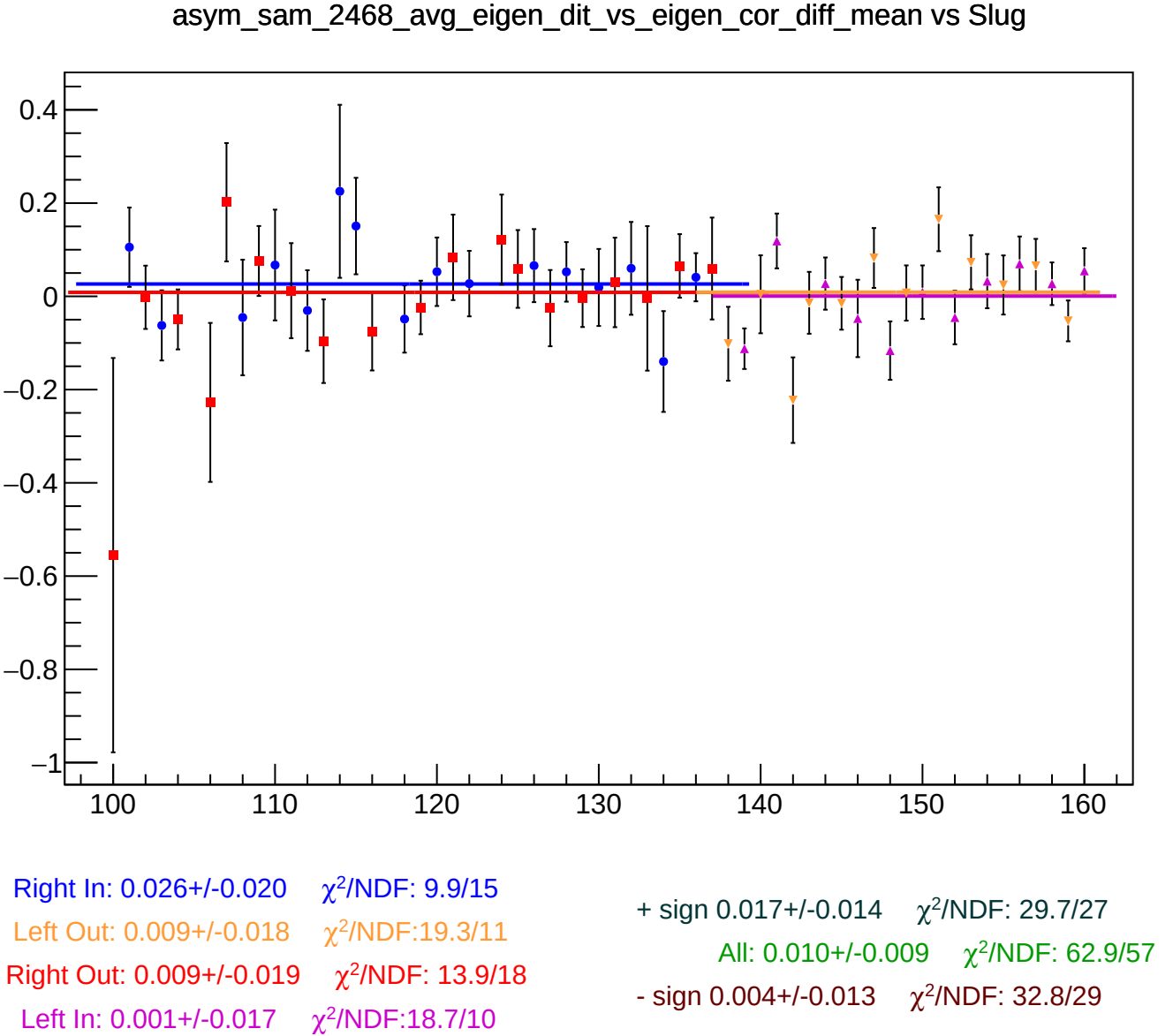
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

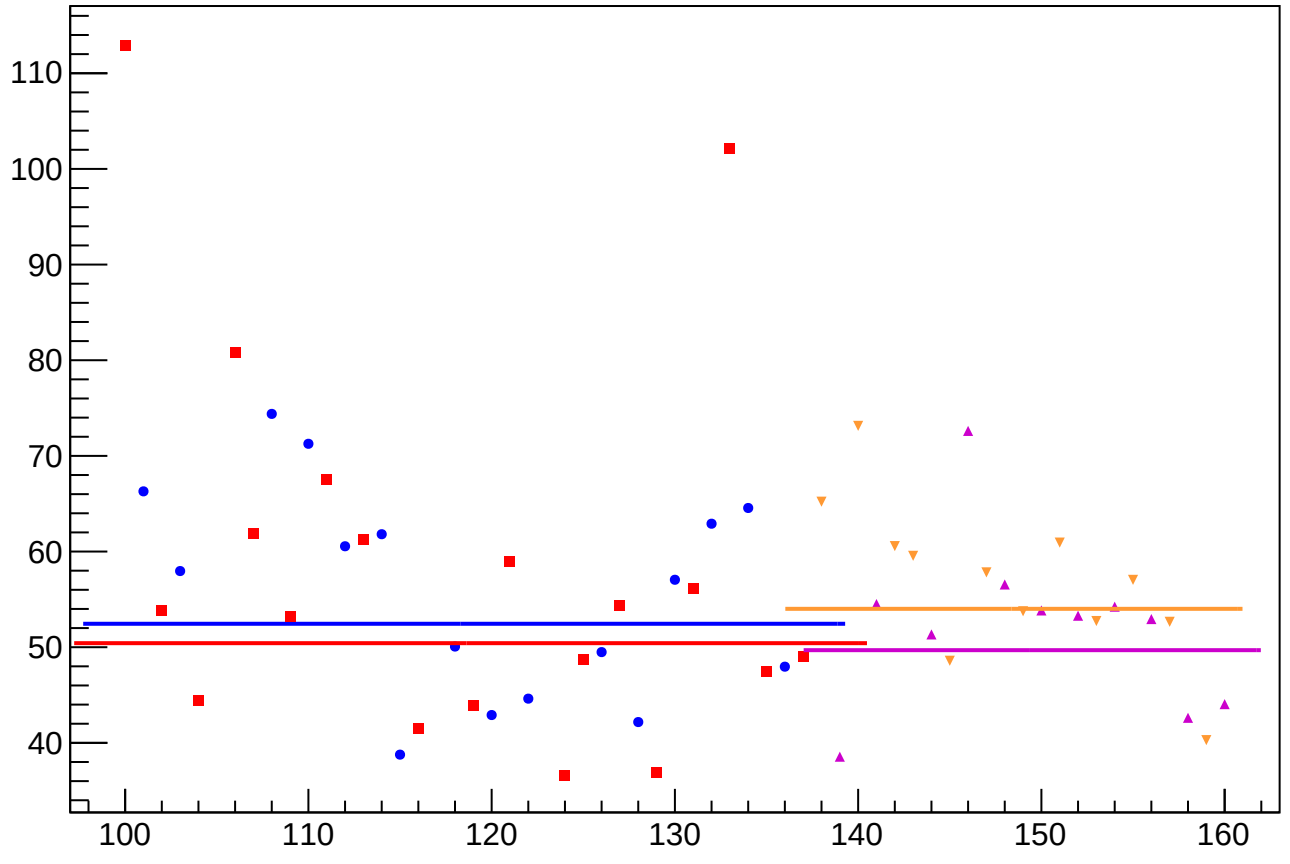
Left In: 49.690+/-0.012 χ^2/NDF:434051.8/10

+ sign 53.326+/-0.010 χ^2/NDF: 842224.3/27

All: 51.549+/-0.007 χ^2/NDF: 2019345.3/57

- sign 49.998+/-0.009 χ^2/NDF: 1112440.4/29


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
Right In: 0.026+/-0.020 χ²/NDF: 9.9/15
Left Out: 0.009+/-0.018 χ²/NDF:19.3/11
Right Out: 0.009+/-0.019 χ²/NDF: 13.9/18
Left In: 0.001+/-0.017 χ²/NDF:18.7/10
+ sign 0.017+/-0.014 χ²/NDF: 29.7/27
All: 0.010+/-0.009 χ²/NDF: 62.9/57
- sign 0.004+/-0.013 χ²/NDF: 32.8/29



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 54.012+/-0.013 χ^2/NDF:417679.4/11

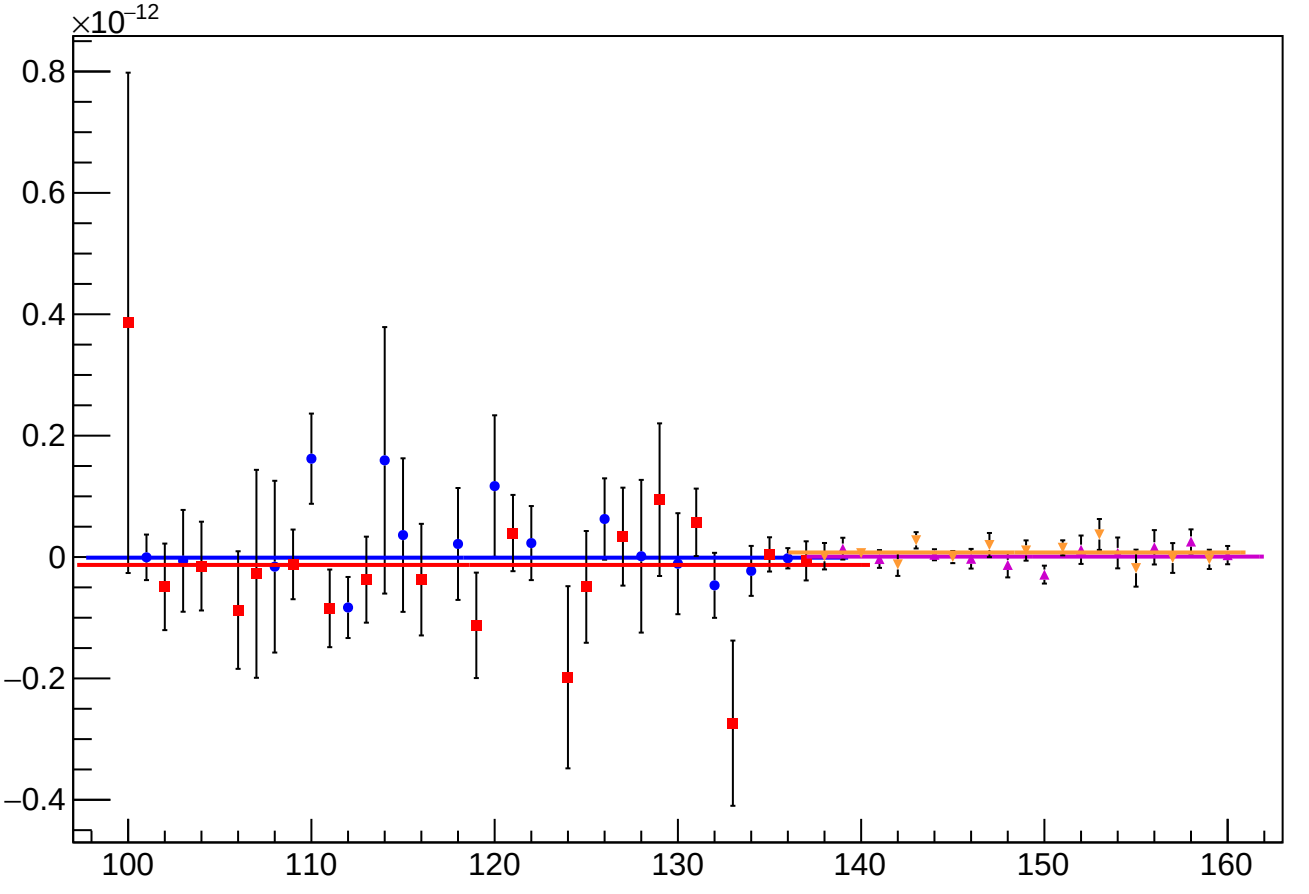
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 49.690+/-0.012 χ^2/NDF:434051.8/10

+ sign 53.326+/-0.010 χ^2/NDF: 842224.3/27

All: 51.549+/-0.007 χ^2/NDF: 2019345.3/57

- 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:7.5/11

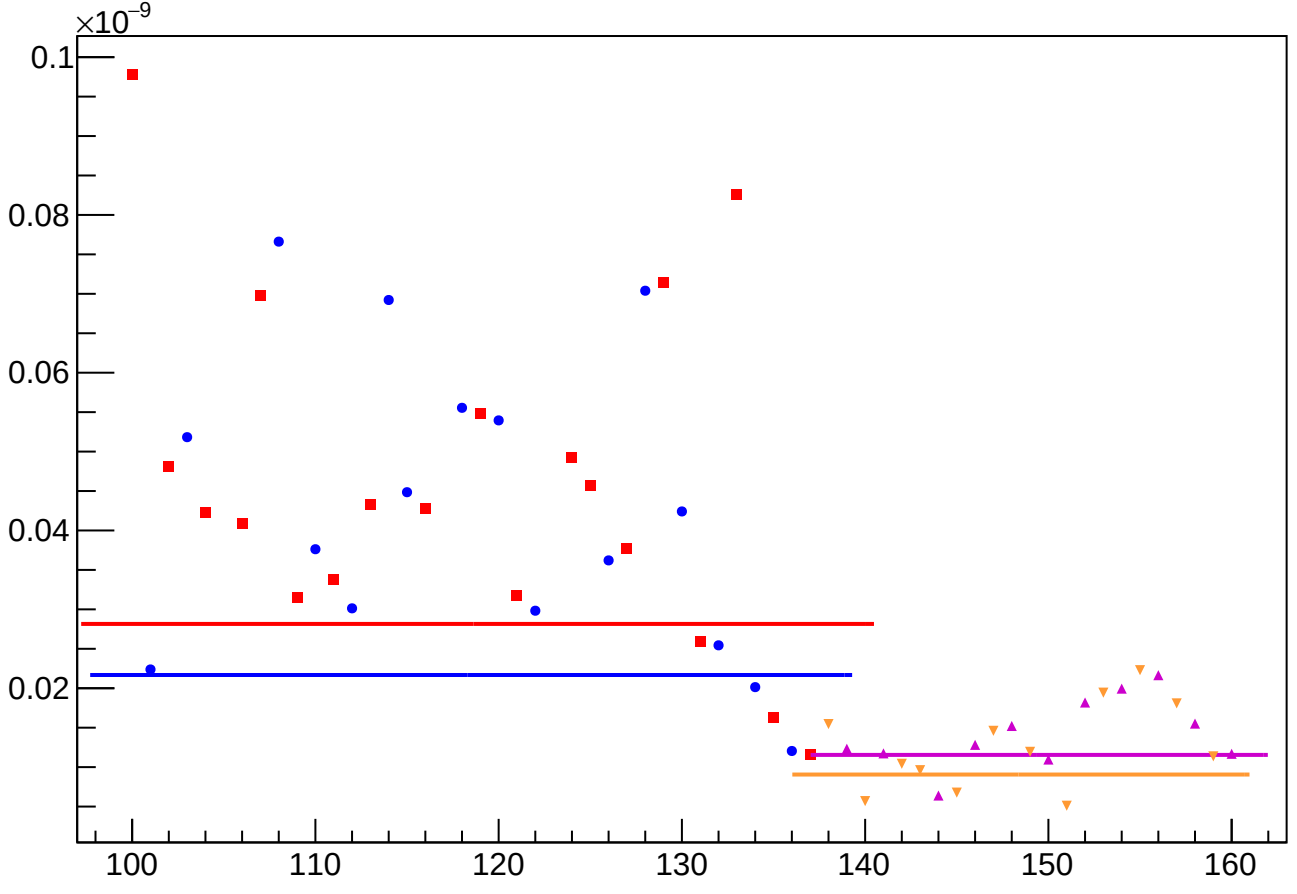
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 19.2/27

All: 0.000+/-0.000 χ^2/NDF: 42.5/57

- 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:2070956.3/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

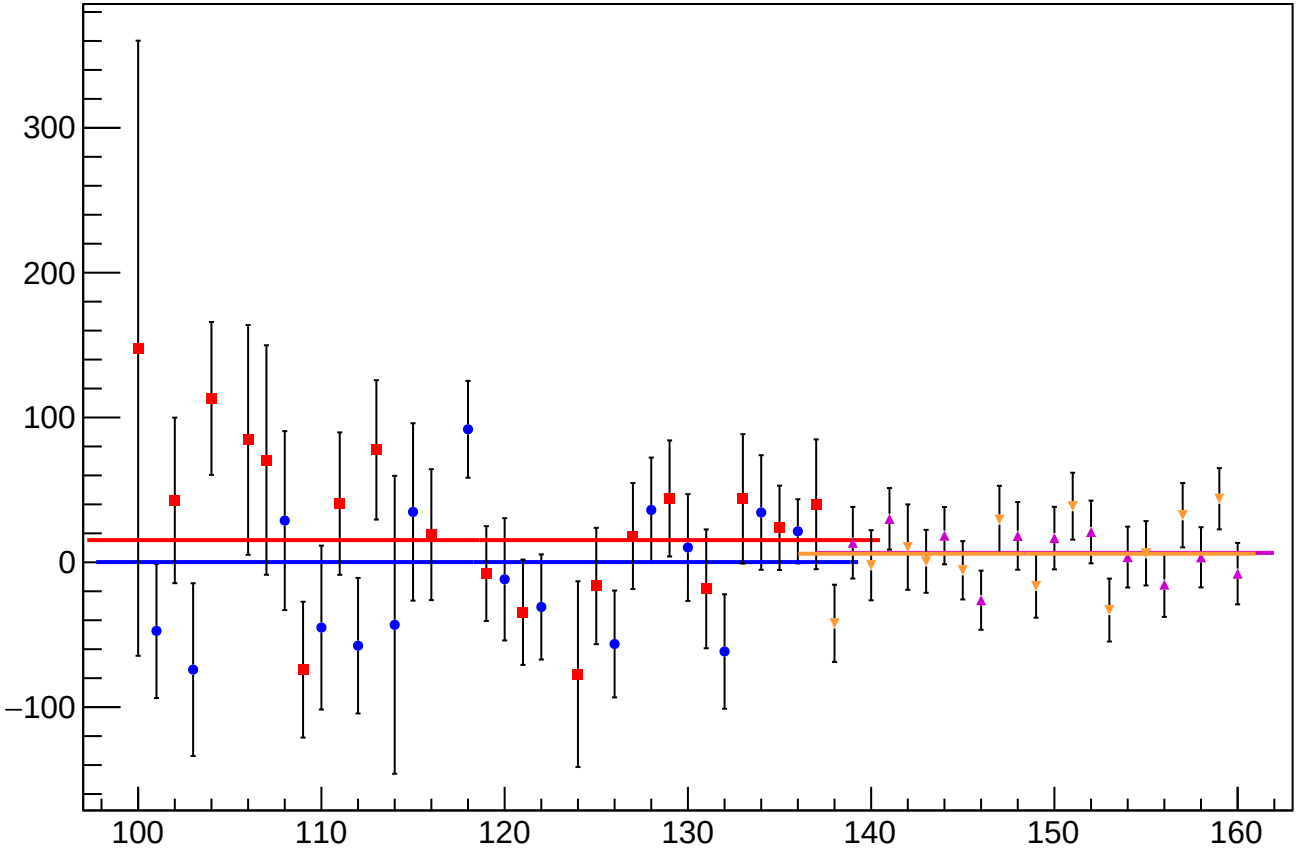
Left In: 0.000+/-0.000 χ^2/NDF:1440259.0/10

+ sign 0.000+/-0.000 χ^2/NDF: 6567665.1/27

All: 0.000+/-0.000 χ^2/NDF: 13162631.7/57

- 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: 5.930+/-6.588 χ^2/NDF:15.7/11

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

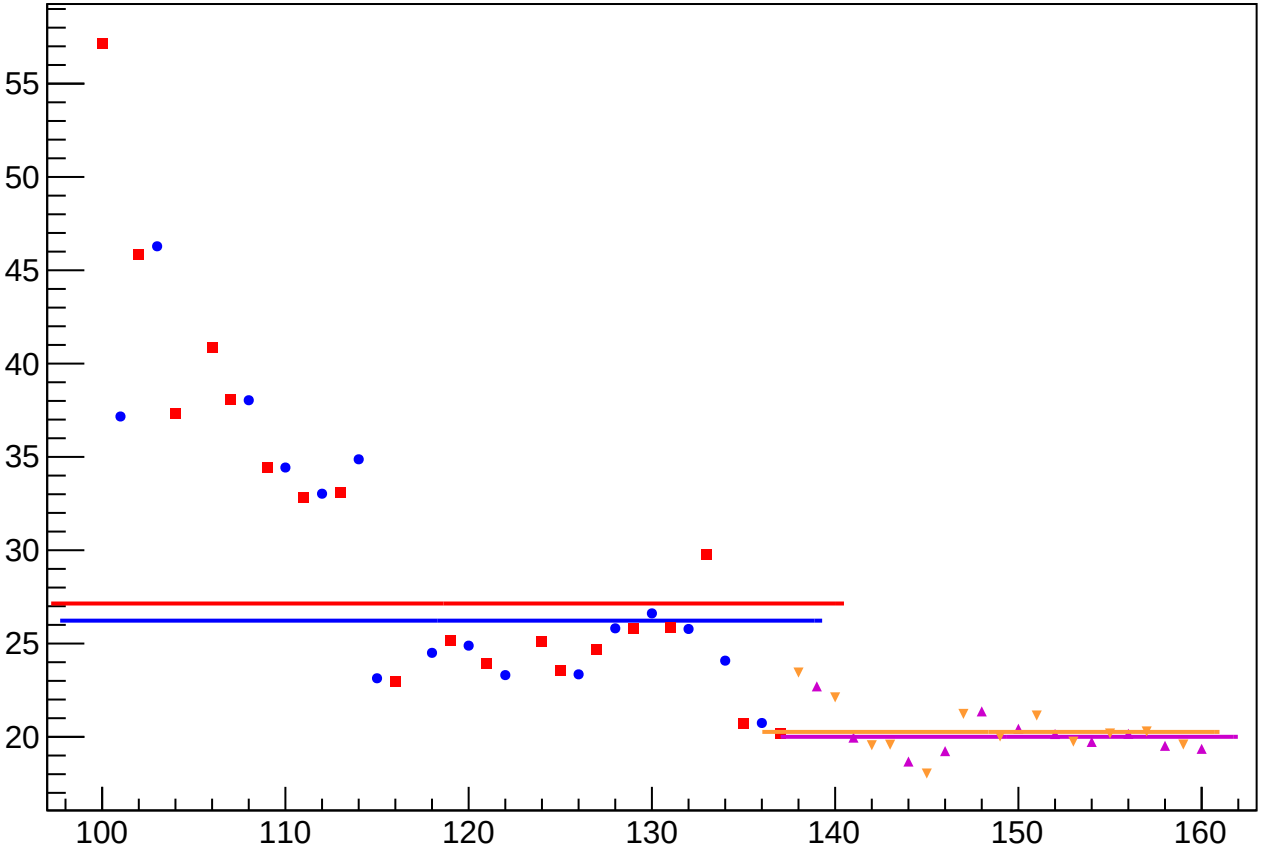
Left In: 6.502+/-6.493 χ^2/NDF:6.6/10

+ sign 4.193+/-5.509 χ^2/NDF: 37.2/27

All: 6.619+/-3.888 χ^2/NDF: 62.7/57

- 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: 20.266+/-0.005 χ^2/NDF:77596.3/11

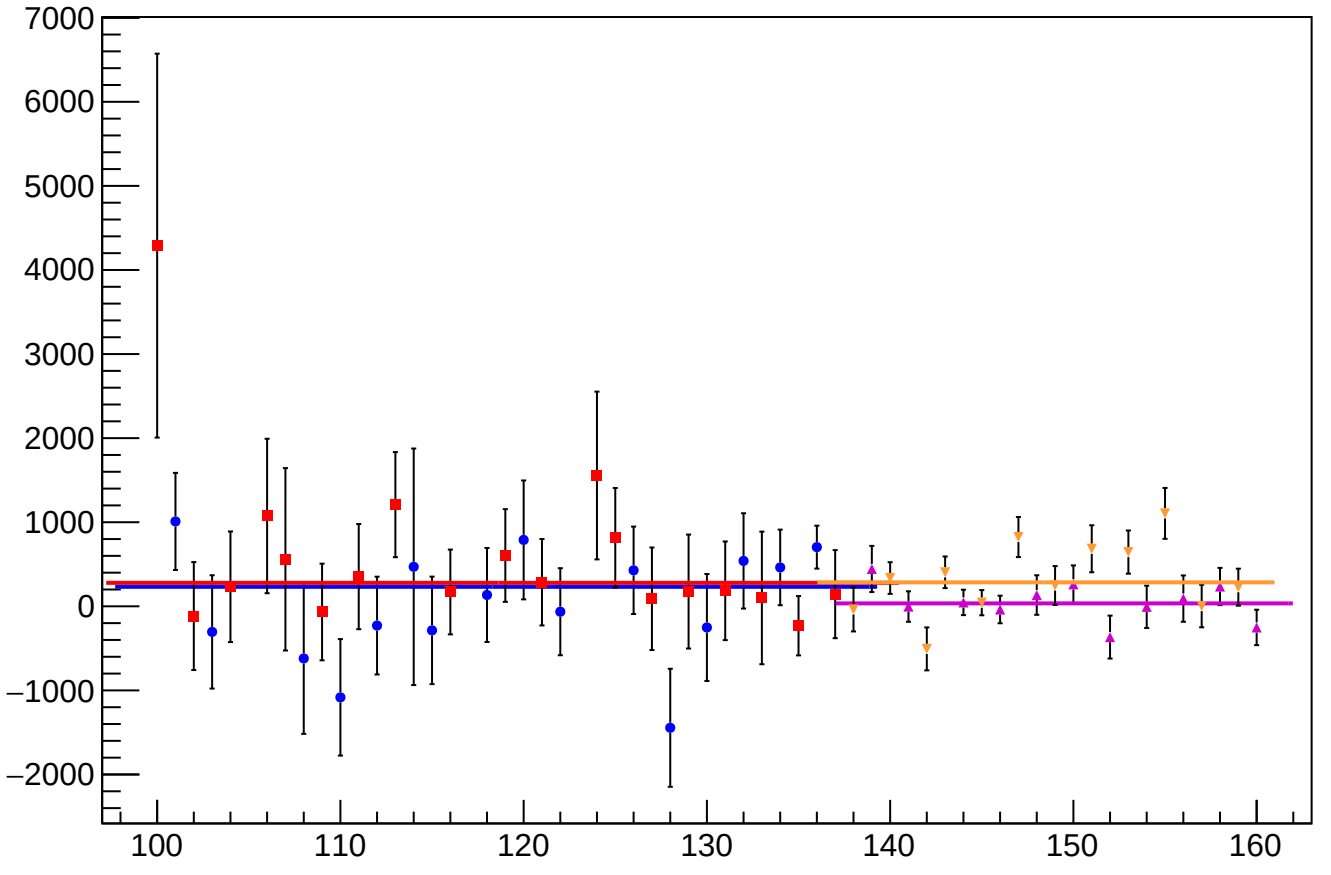
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.003+/-0.005 χ^2/NDF:46729.9/10

+ sign 22.058+/-0.004 χ^2/NDF: 1245941.1/27

All: 22.051+/-0.003 χ^2/NDF: 2739502.0/57

- 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: 284.801+/-64.218 χ^2/NDF:32.0/11

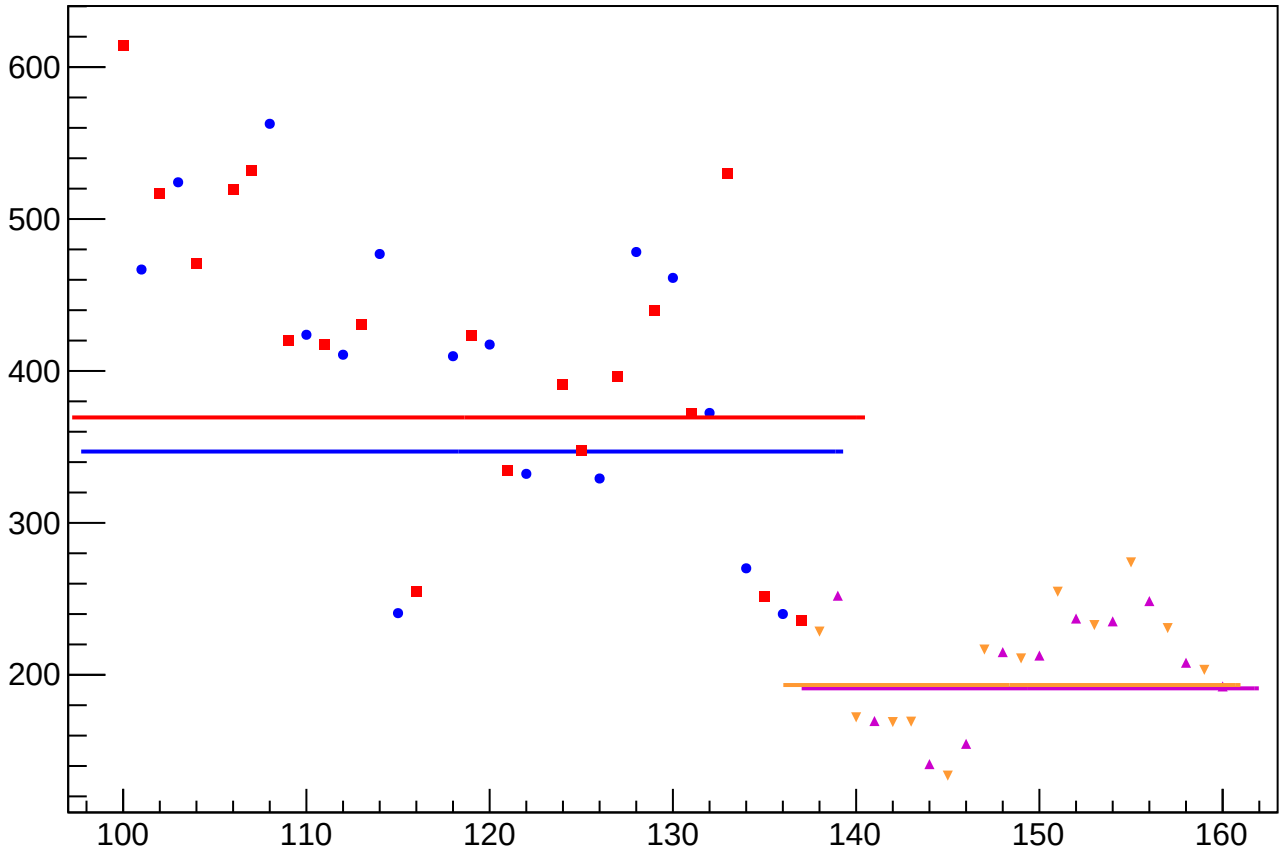
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 34.749+/-63.260 χ^2/NDF:8.9/10

+ sign 275.059+/-57.981 χ^2/NDF: 51.8/27

All: 175.047+/-40.880 χ^2/NDF: 81.2/57

- sign 76.188+/-57.646 χ^2/NDF: 23.5/29



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 193.289+/-0.045 χ^2/NDF:794497.7/11

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

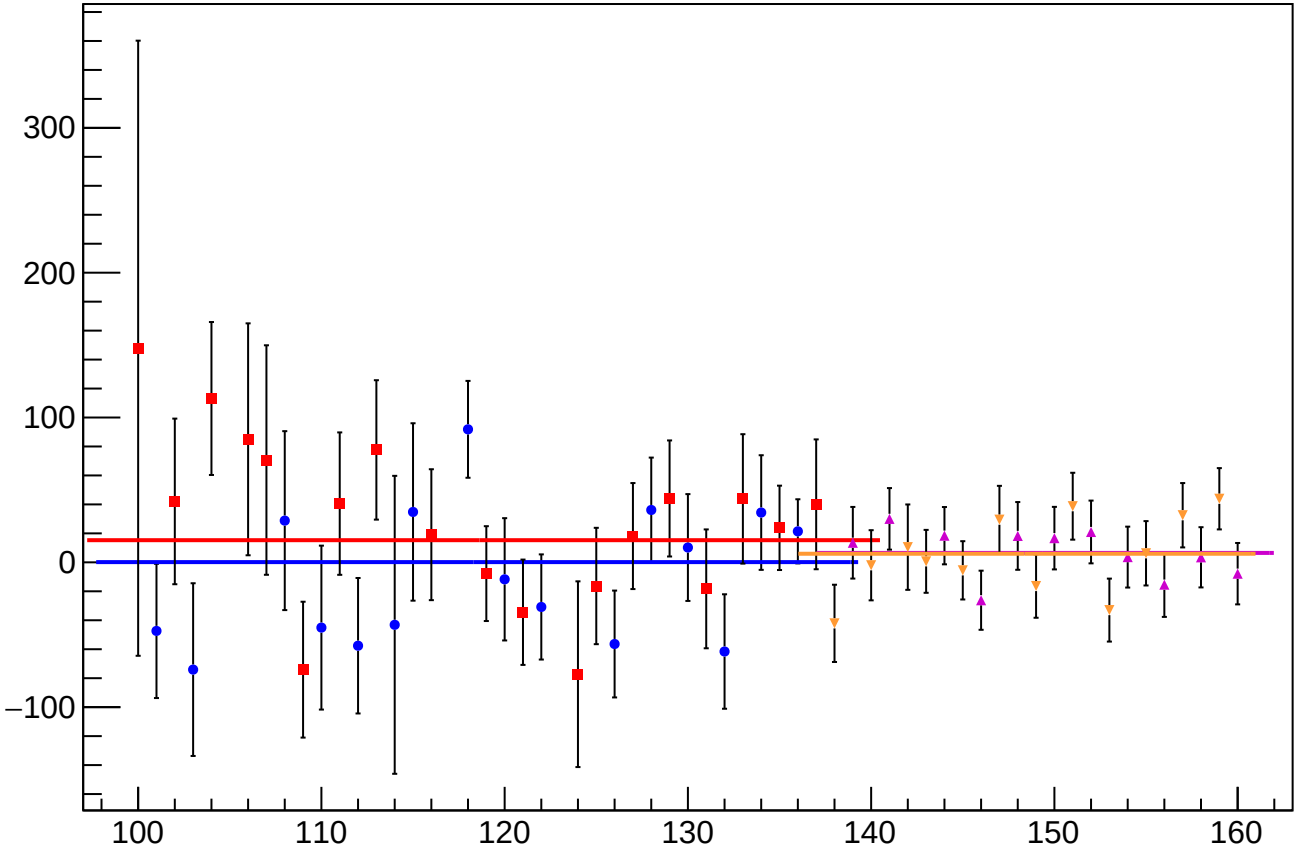
Left In: 191.104+/-0.045 χ^2/NDF:708322.7/10

+ sign 221.691+/-0.041 χ^2/NDF: 3969354.0/27

All: 221.520+/-0.029 χ^2/NDF: 8291794.7/57

- 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: 5.928+/-6.588 χ^2/NDF:15.7/11

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

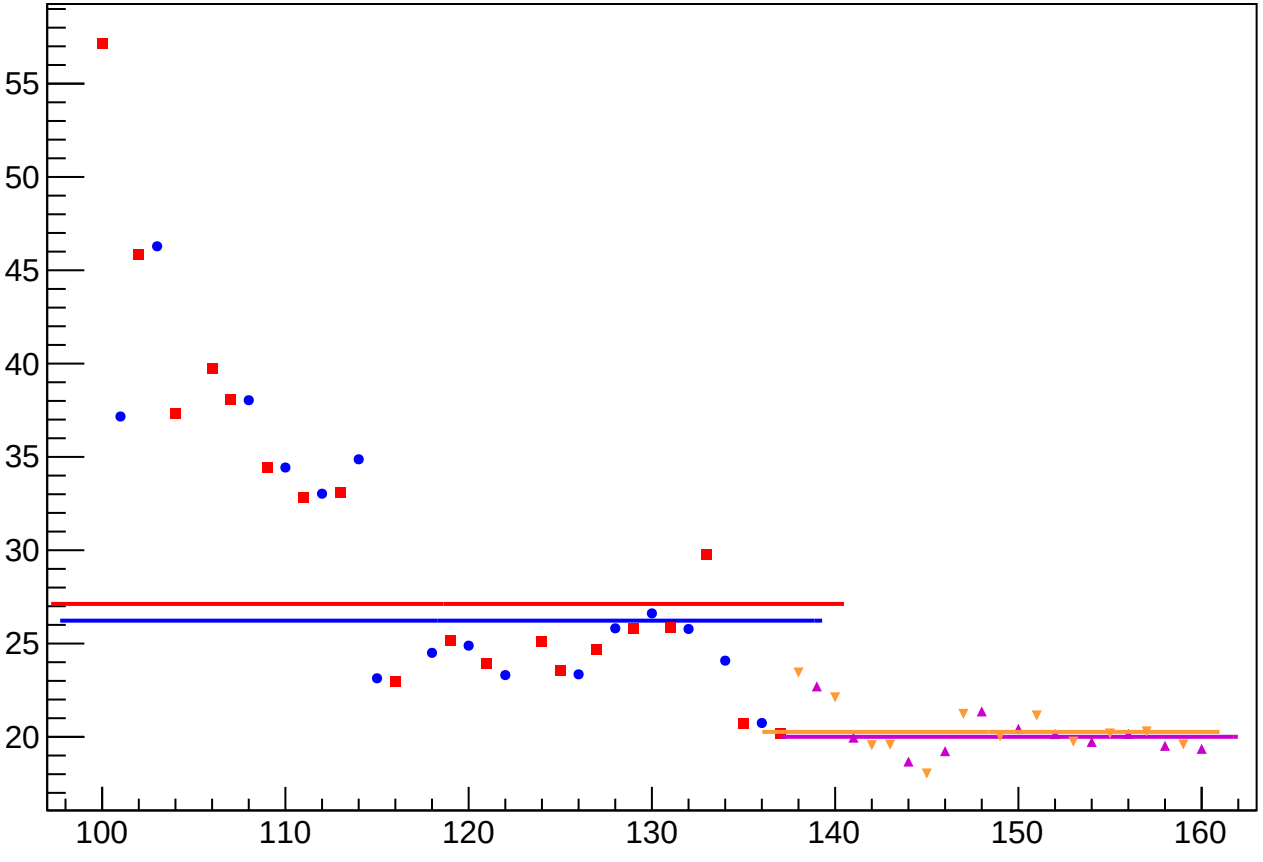
Left In: 6.503+/-6.493 χ^2/NDF:6.6/10

+ sign 4.193+/-5.509 χ^2/NDF: 37.2/27

All: 6.613+/-3.888 χ^2/NDF: 62.7/57

- 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: 20.266+/-0.005 χ^2/NDF:77596.3/11

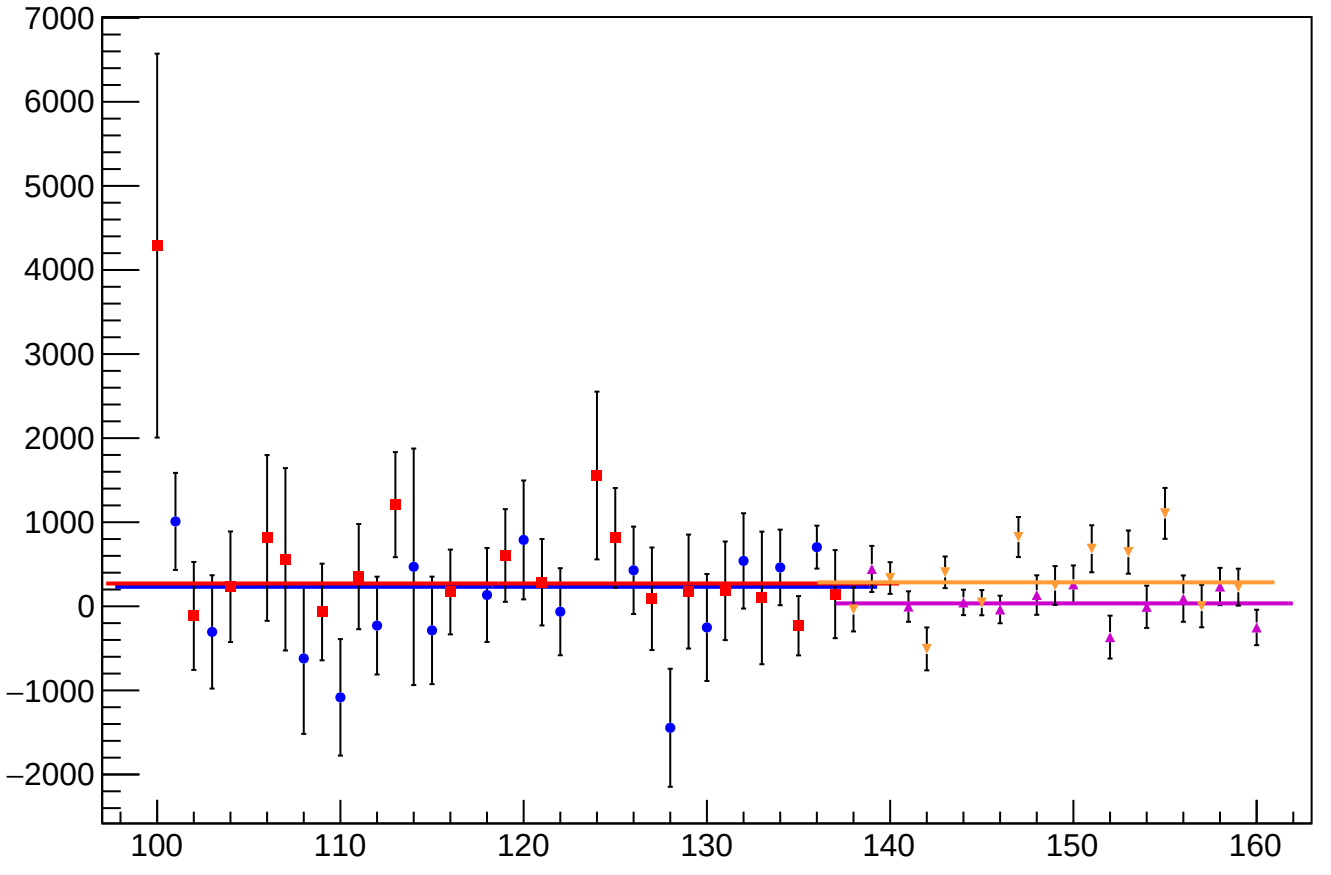
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.003+/-0.005 χ^2/NDF:46729.9/10

+ sign 22.058+/-0.004 χ^2/NDF: 1245944.5/27

All: 22.047+/-0.003 χ^2/NDF: 2725369.9/57

- 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: 284.799+/-64.218 χ^2/NDF:32.0/11

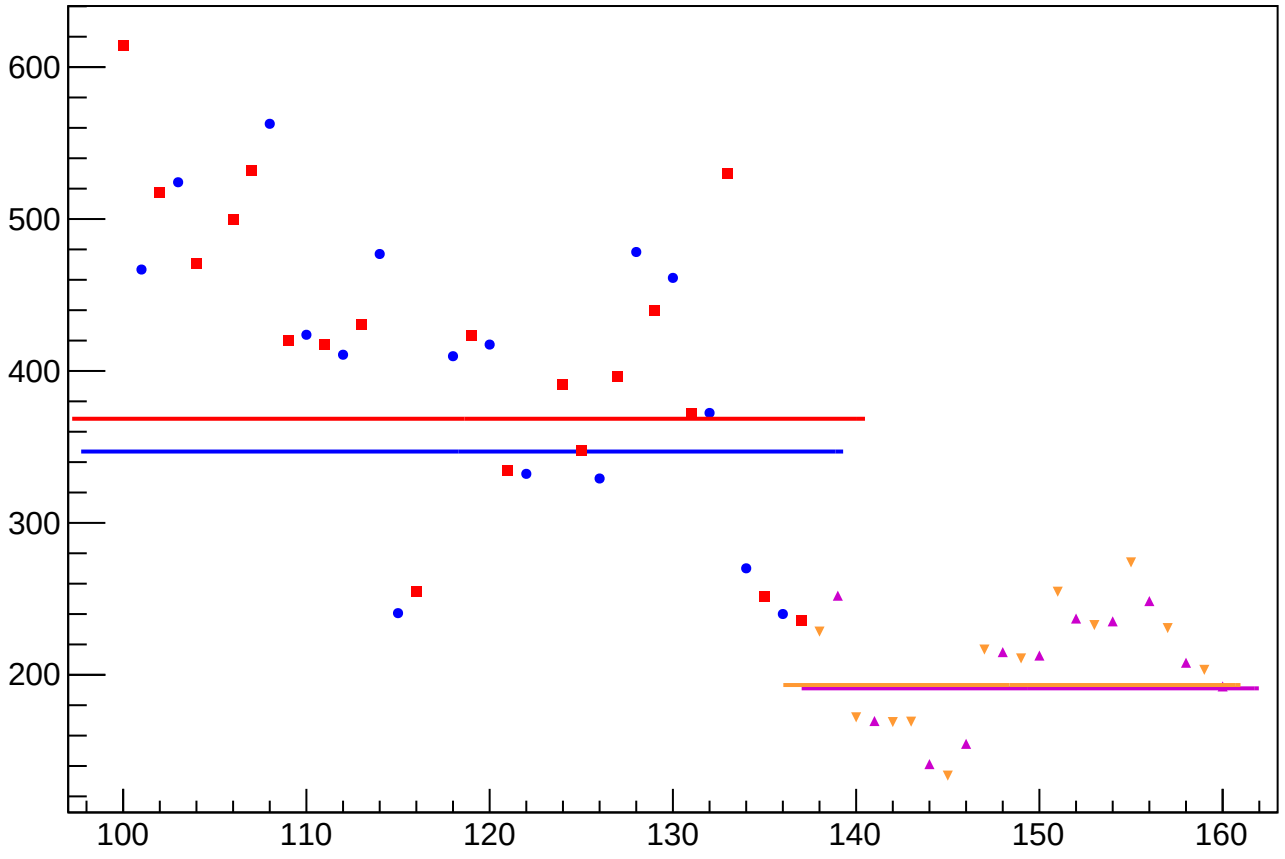
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 34.750+/-63.260 χ^2/NDF:8.9/10

+ sign 275.056+/-57.981 χ^2/NDF: 51.8/27

All: 174.369+/-40.885 χ^2/NDF: 80.6/57

- 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: 193.289+/-0.045 χ^2/NDF:794501.2/11

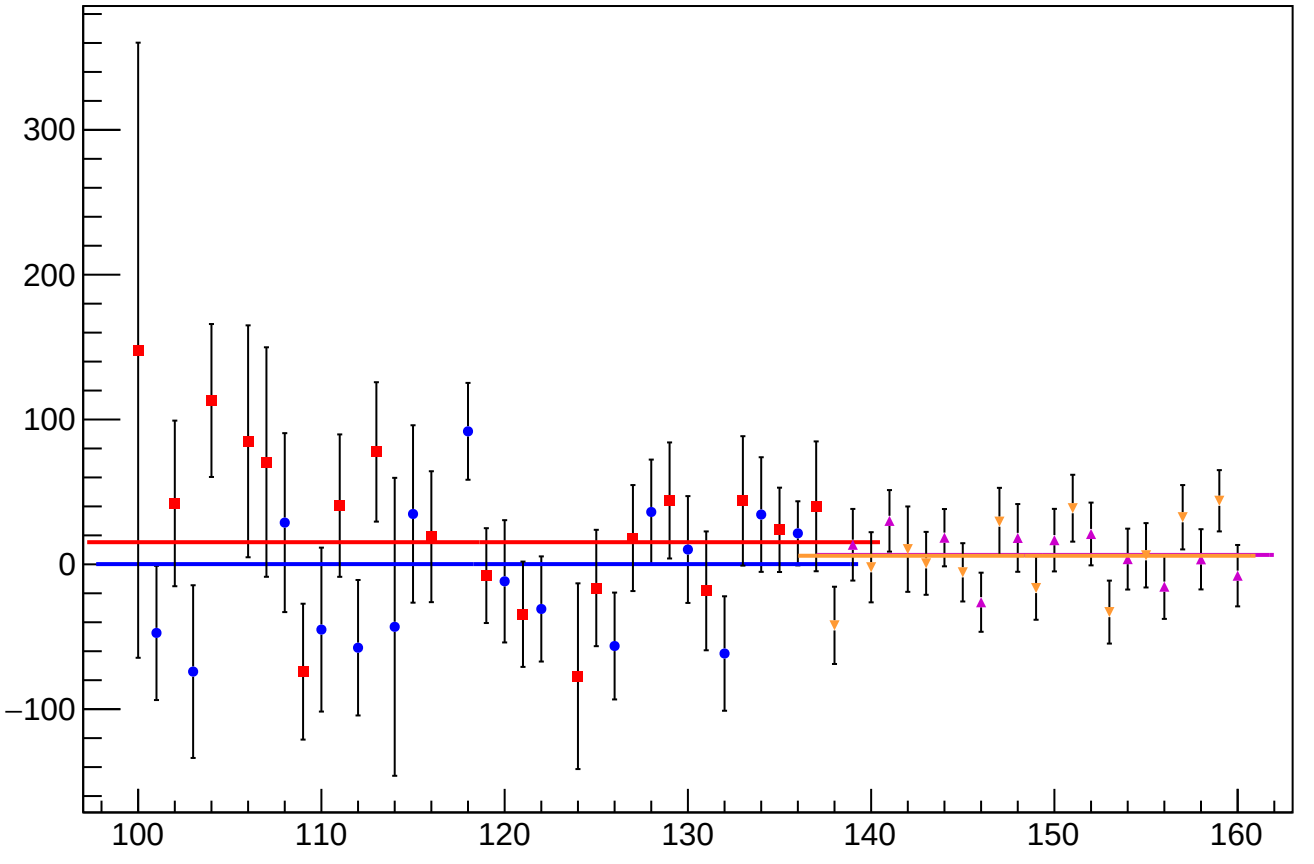
Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 191.104+/-0.045 χ^2/NDF:708320.6/10

+ sign 221.691+/-0.041 χ^2/NDF: 3969387.7/27

All: 221.407+/-0.029 χ^2/NDF: 8240226.3/57

- sign 221.125+/-0.041 χ^2/NDF: 4270742.8/29



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 5.928+/-6.588 χ^2/NDF:15.7/11

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

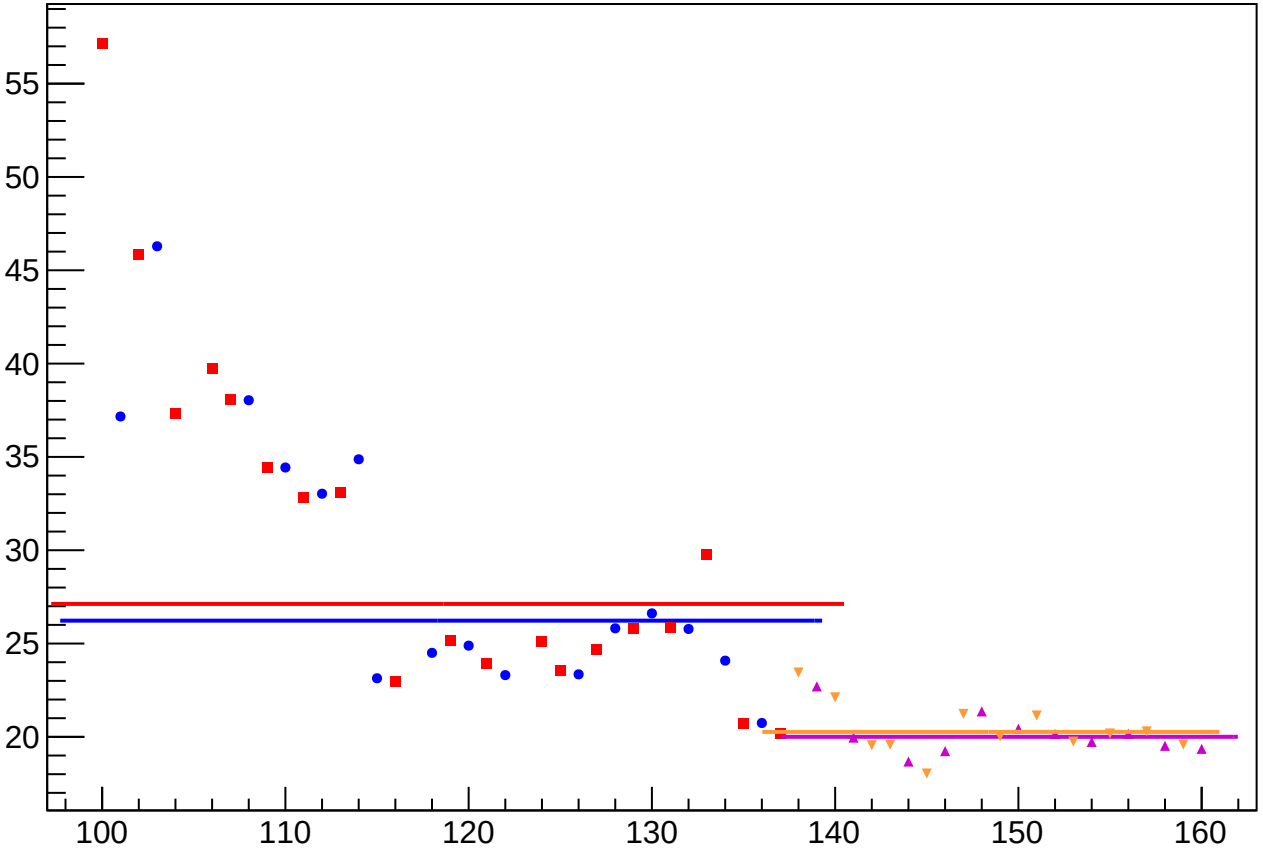
Left In: 6.503+/-6.493 χ^2/NDF:6.6/10

\+ sign 4.193+/-5.509 χ^2/NDF: 37.2/27

All: 6.613+/-3.888 χ^2/NDF: 62.7/57

\- 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: 20.266+/-0.005 χ^2/NDF:77596.3/11

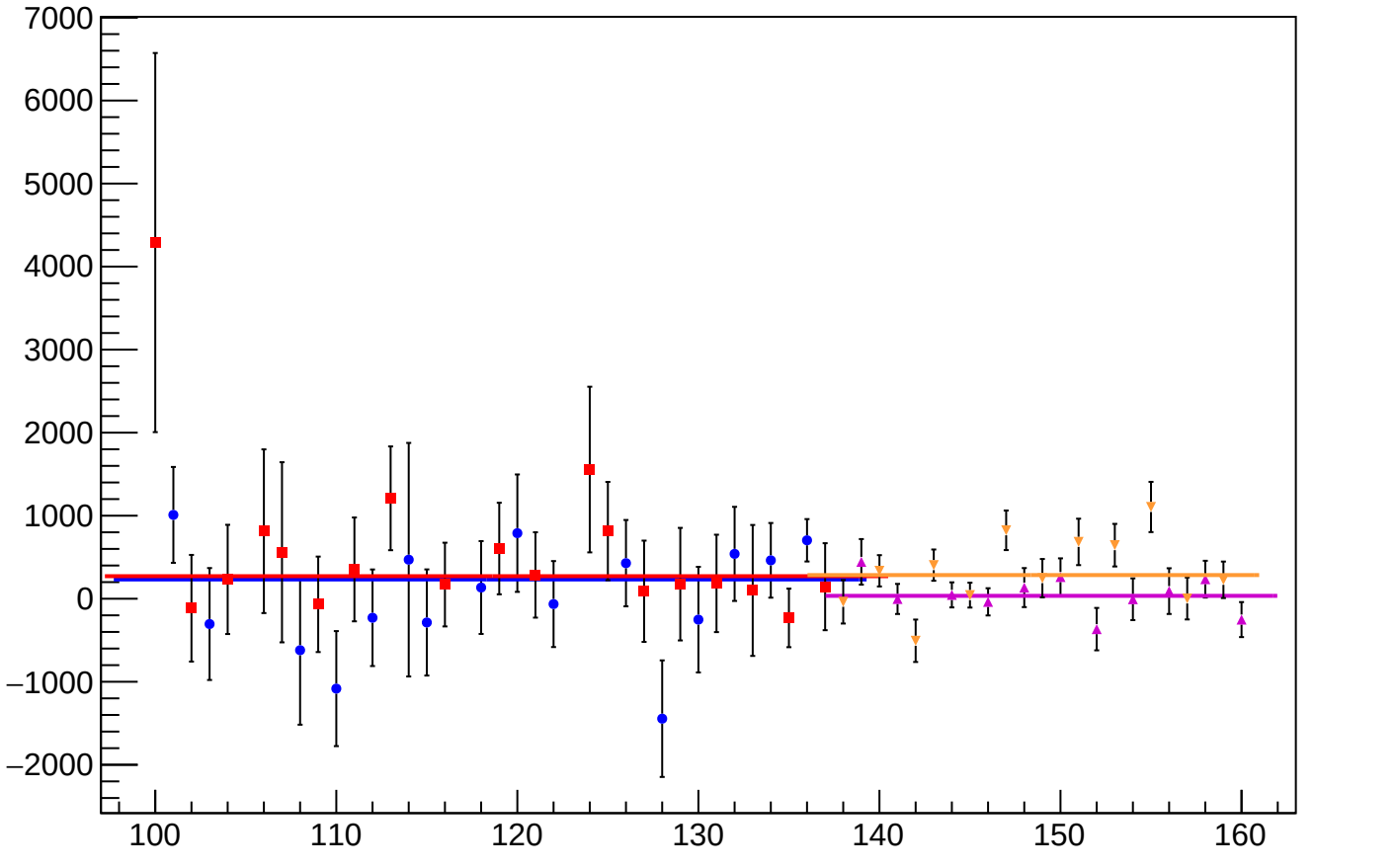
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.003+/-0.005 χ^2/NDF:46729.9/10

+ sign 22.058+/-0.004 χ^2/NDF: 1245944.5/27

All: 22.047+/-0.003 χ^2/NDF: 2725369.9/57

- 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: 284.799+/-64.218 χ^2/NDF:32.0/11

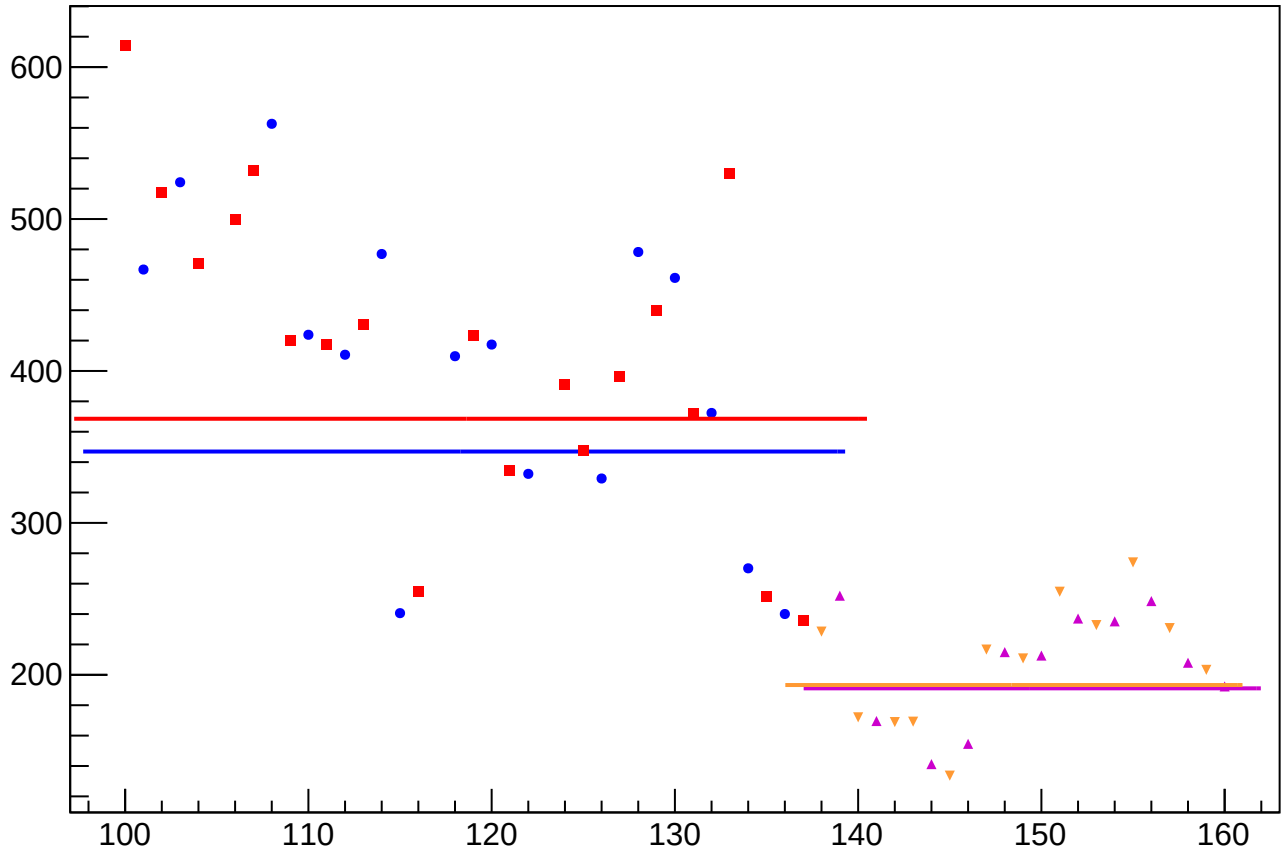
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 34.750+/-63.260 χ^2/NDF:8.9/10

+ sign 275.056+/-57.981 χ^2/NDF: 51.8/27

All: 174.369+/-40.885 χ^2/NDF: 80.6/57

- 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: 193.289+/-0.045 χ^2/NDF:794501.2/11

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

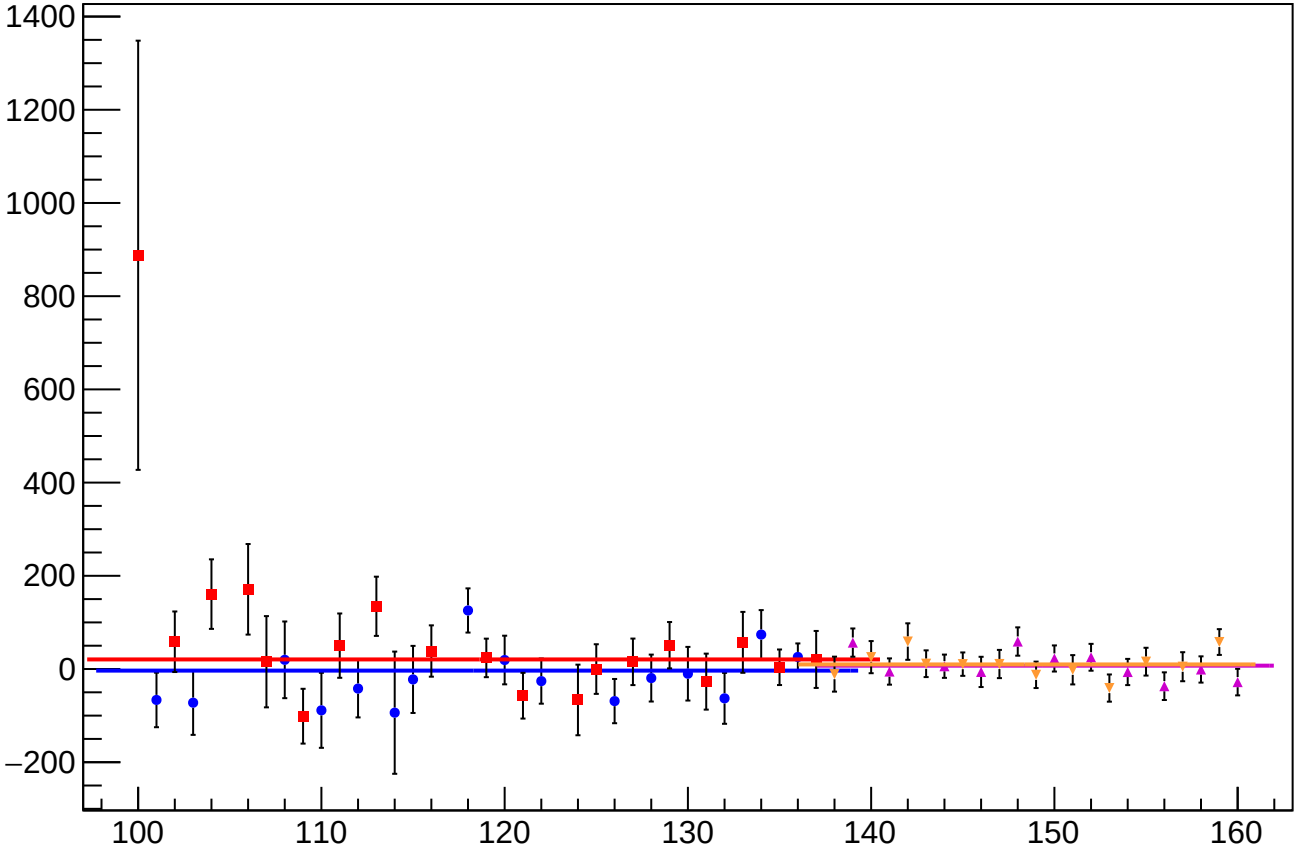
Left In: 191.104+/-0.045 χ^2/NDF:708320.6/10

+ sign 221.691+/-0.041 χ^2/NDF: 3969387.7/27

All: 221.407+/-0.029 χ^2/NDF: 8240226.3/57

- 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: 9.803+/-8.774 χ^2/NDF:8.9/11

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

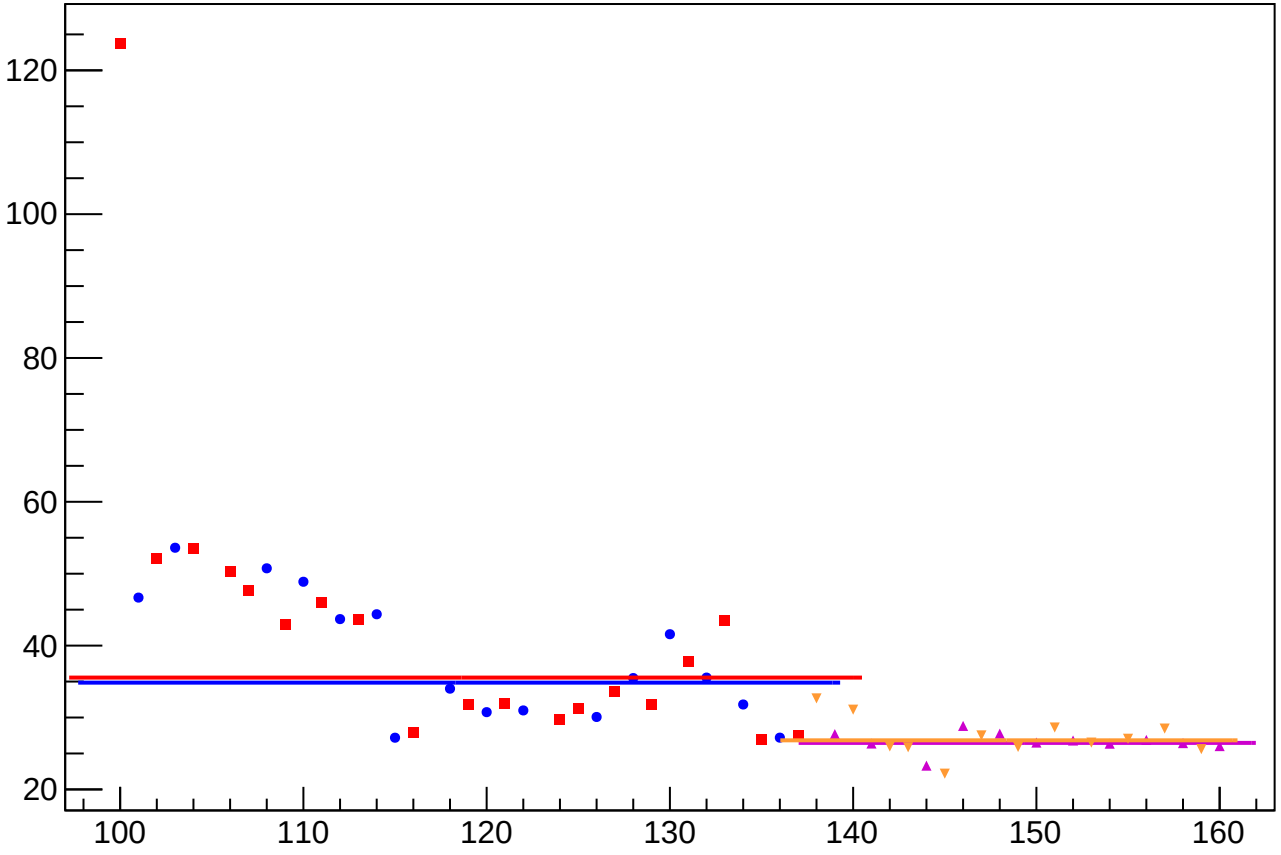
Left In: 7.182+/-8.653 χ^2/NDF:10.7/10

\+ sign 5.831+/-7.340 χ^2/NDF: 28.1/27

All: 8.482+/-5.169 χ^2/NDF: 62.9/57

\- 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: 26.828+/-0.006 χ^2/NDF:169688.4/11

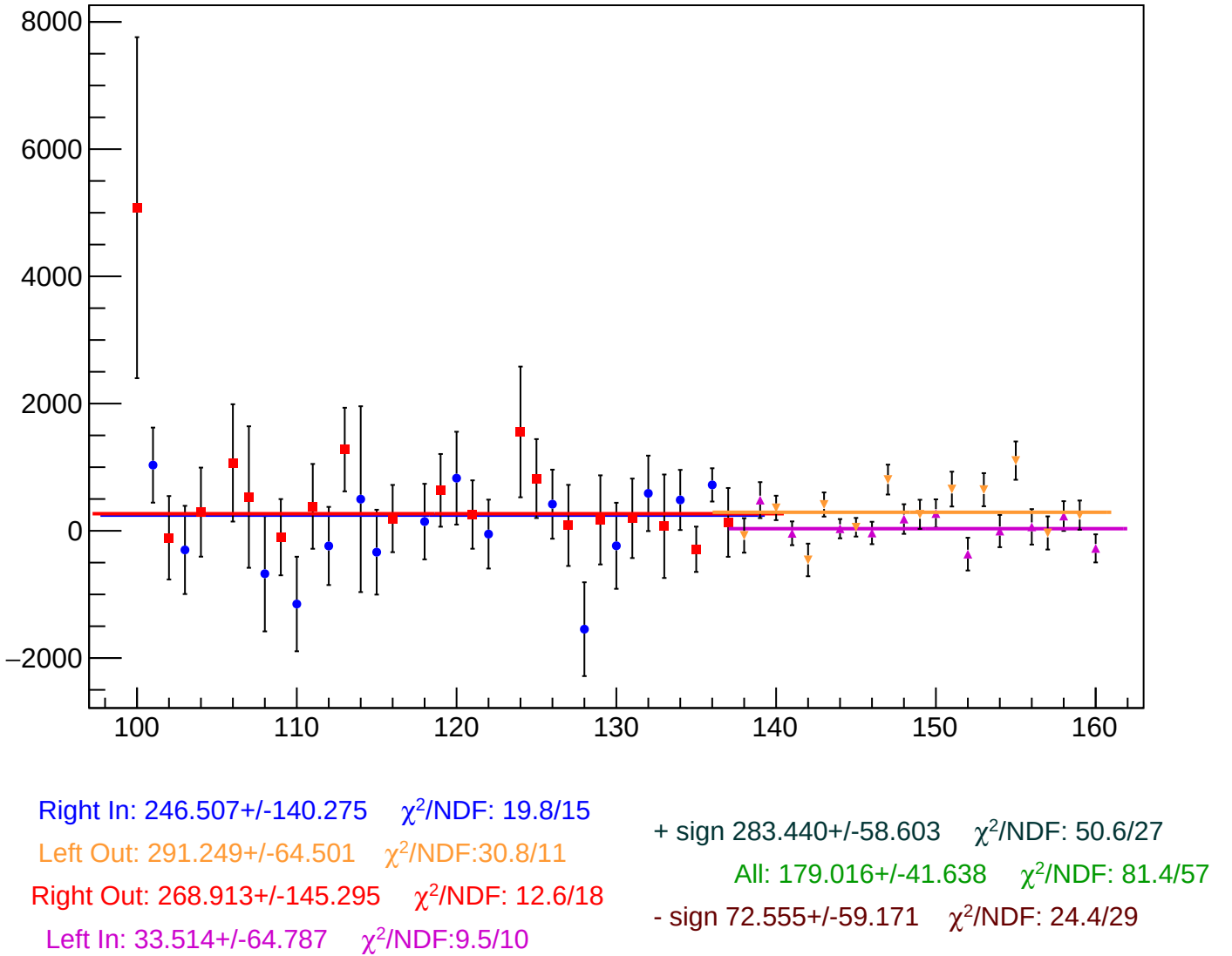
Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

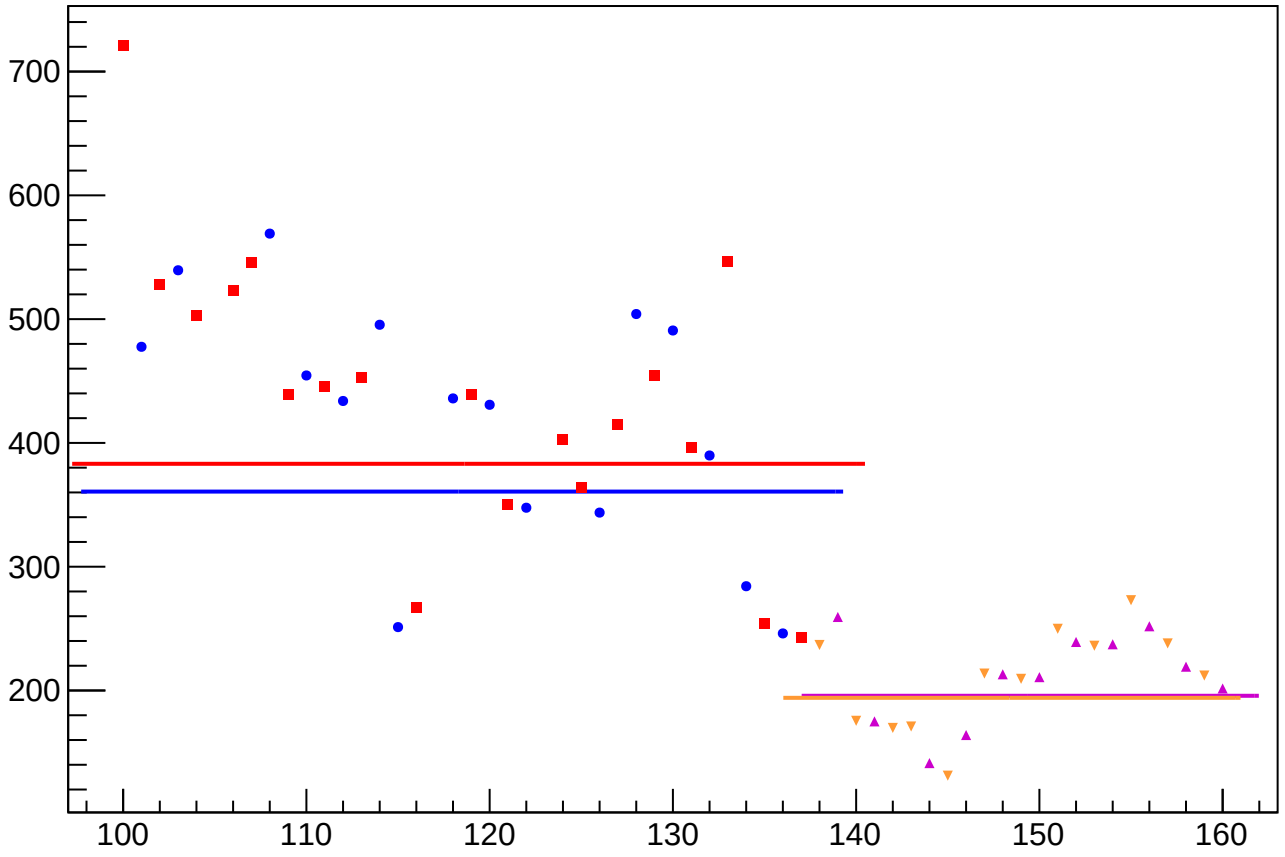
Left In: 26.471+/-0.006 χ^2/NDF:50746.8/10

+ sign 29.237+/-0.005 χ^2/NDF: 1329998.2/27

All: 29.179+/-0.004 χ^2/NDF: 2804151.8/57

- sign 29.123+/-0.005 χ^2/NDF: 1473907.7/29


asym_sam_1357_2468_dd_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 246.507+/-140.275 χ²/NDF: 19.8/15
Left Out: 291.249+/-64.501 χ²/NDF:30.8/11
Right Out: 268.913+/-145.295 χ²/NDF: 12.6/18
Left In: 33.514+/-64.787 χ²/NDF:9.5/10
+ sign 283.440+/-58.603 χ²/NDF: 50.6/27
All: 179.016+/-41.638 χ²/NDF: 81.4/57
- sign 72.555+/-59.171 χ²/NDF: 24.4/29



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 194.080+/-0.046 χ^2/NDF:849810.0/11

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

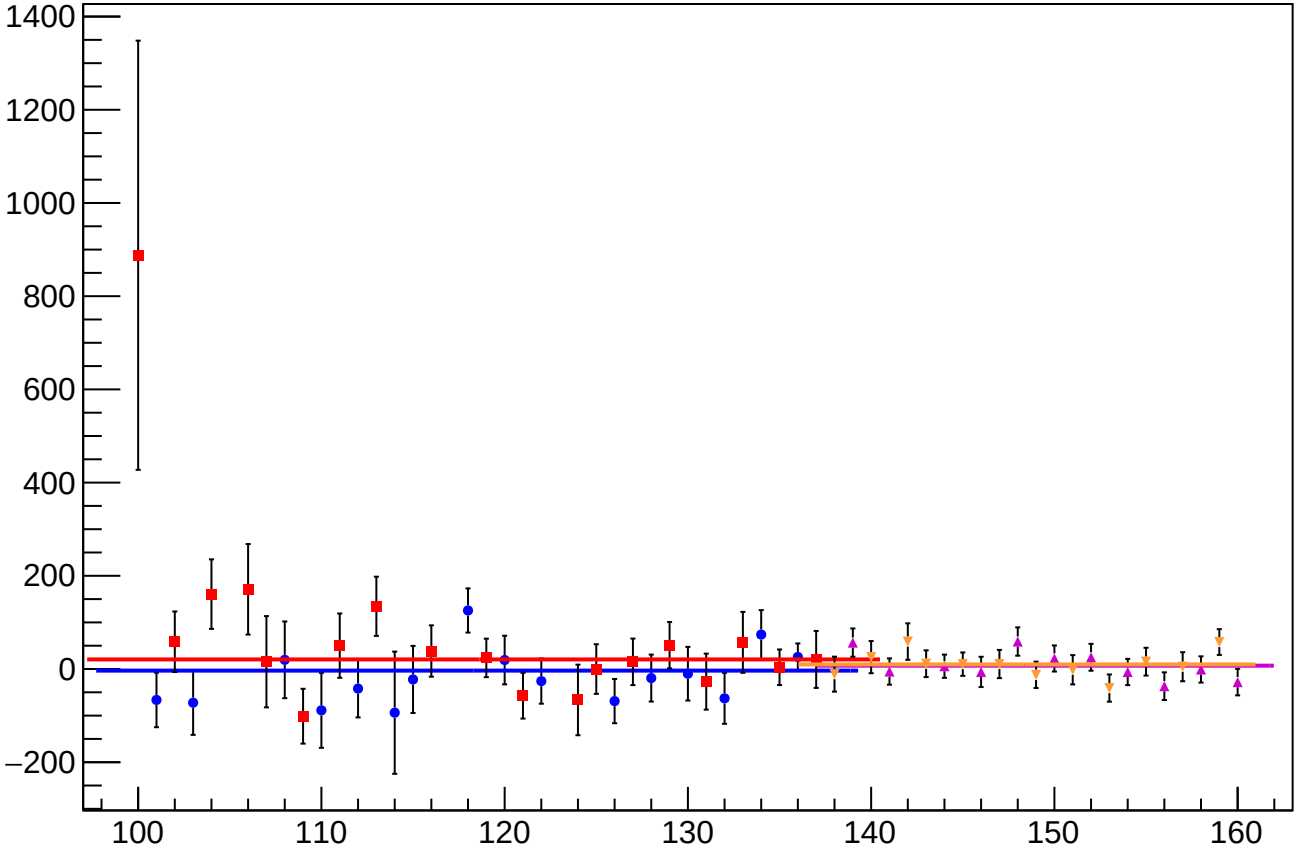
Left In: 195.733+/-0.046 χ^2/NDF:684317.4/10

+ sign 223.159+/-0.041 χ^2/NDF: 4271669.5/27

All: 224.968+/-0.029 χ^2/NDF: 8698210.6/57

- 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: 9.803+/-8.774 χ^2/NDF:8.9/11

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

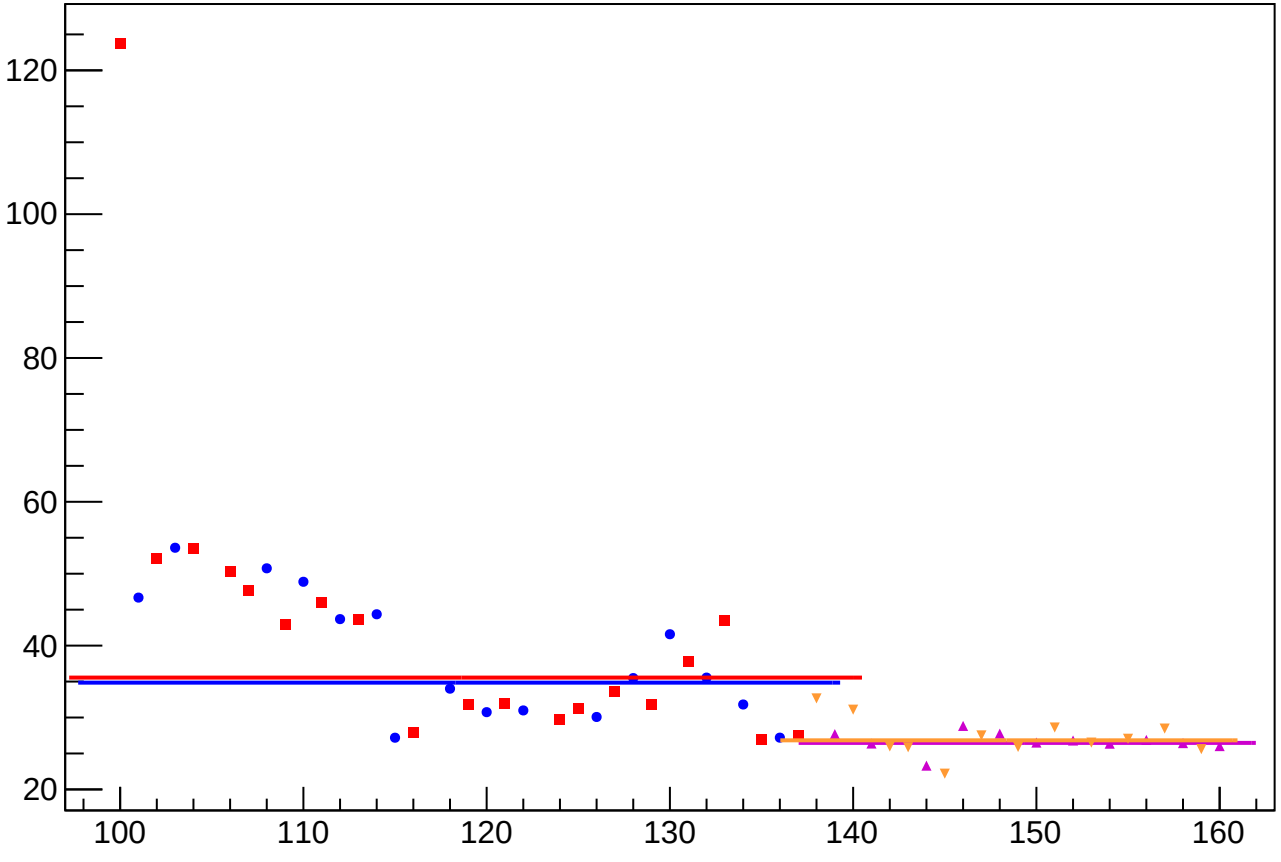
Left In: 7.182+/-8.653 χ^2/NDF:10.7/10

+ sign 5.830+/-7.339 χ^2/NDF: 28.1/27

All: 8.481+/-5.169 χ^2/NDF: 62.9/57

- 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: 26.828+/-0.006 χ^2/NDF:169676.9/11

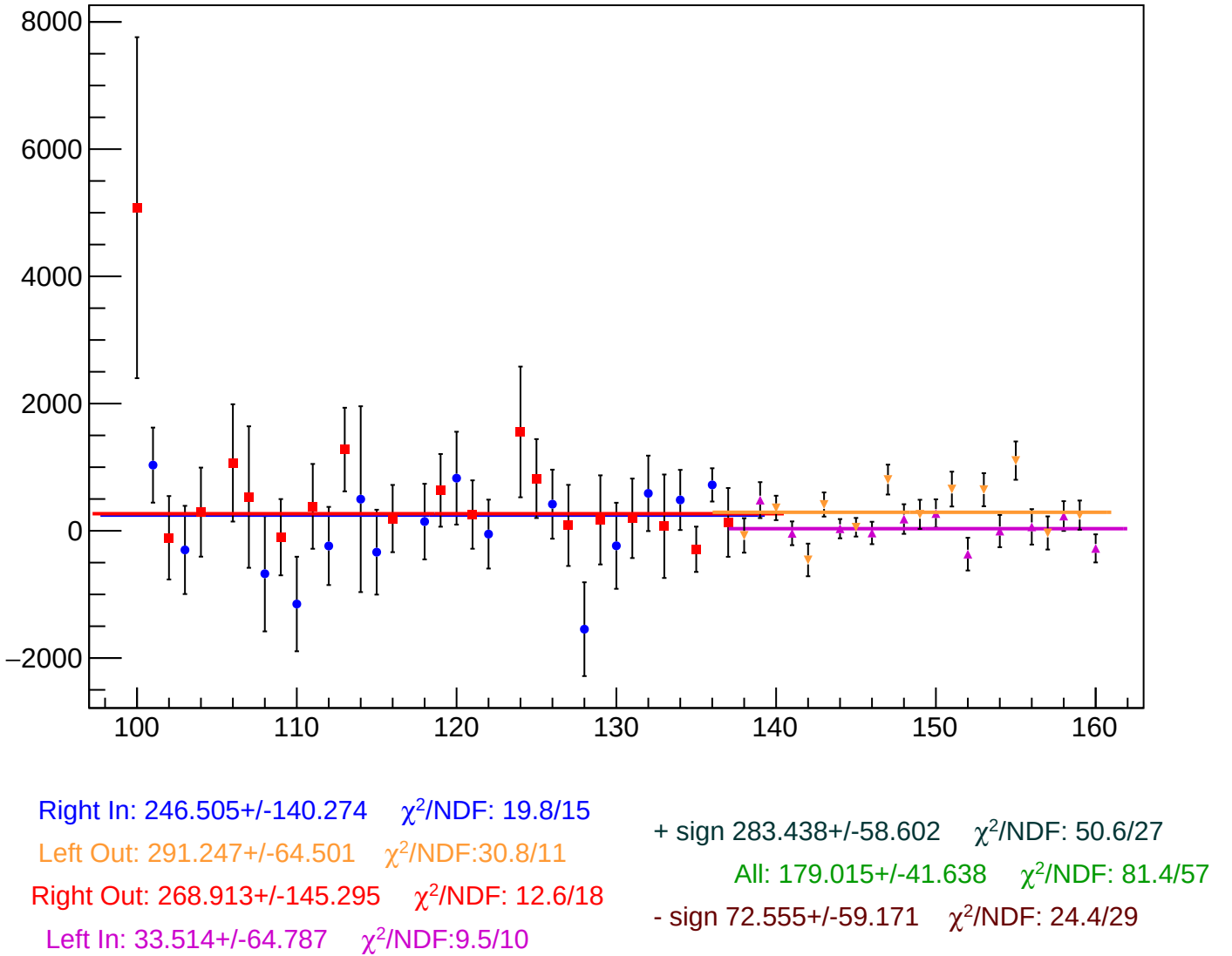
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

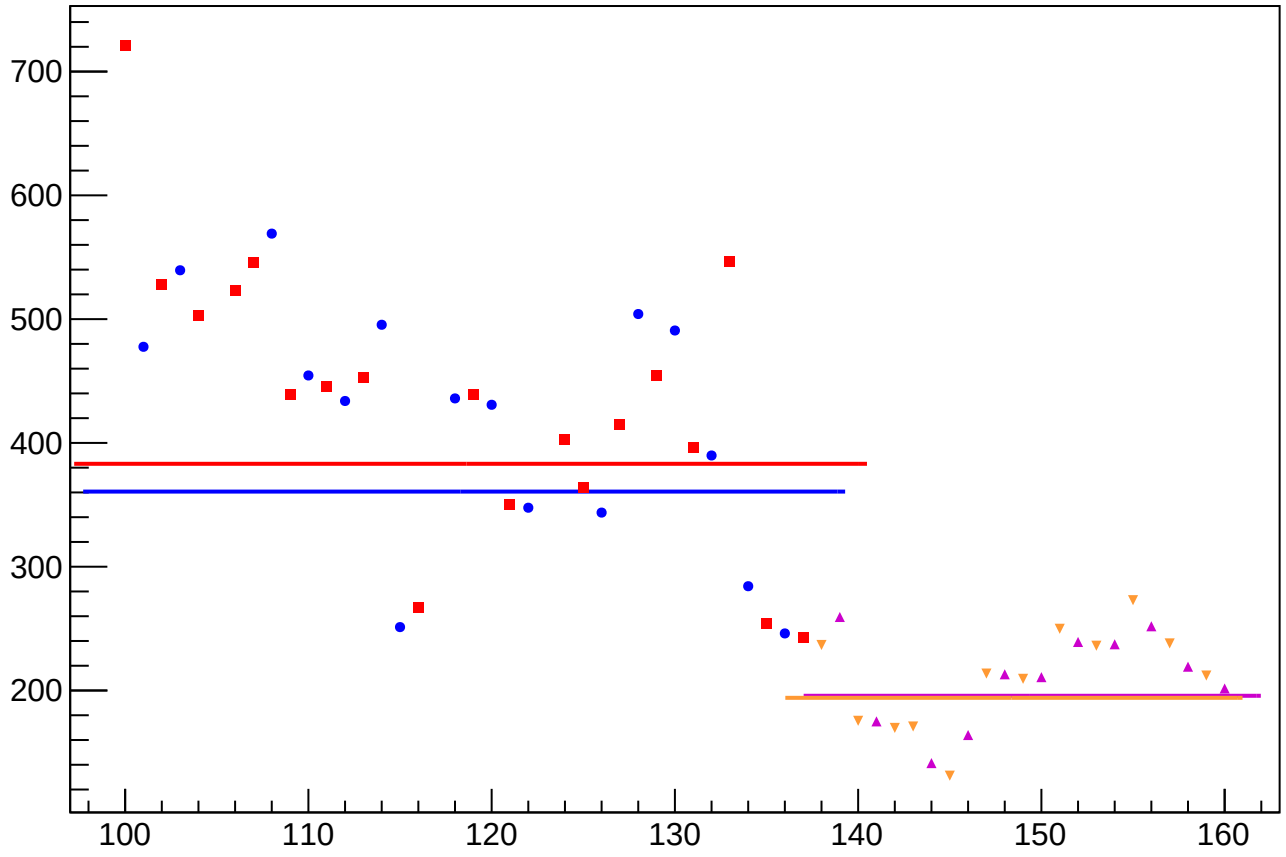
Left In: 26.471+/-0.006 χ^2/NDF:50743.7/10

+ sign 29.237+/-0.005 χ^2/NDF: 1329870.9/27

All: 29.179+/-0.004 χ^2/NDF: 2803938.6/57

- sign 29.122+/-0.005 χ^2/NDF: 1473821.8/29


asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 246.505+/-140.274 χ²/NDF: 19.8/15
Left Out: 291.247+/-64.501 χ²/NDF:30.8/11
Right Out: 268.913+/-145.295 χ²/NDF: 12.6/18
Left In: 33.514+/-64.787 χ²/NDF:9.5/10
+ sign 283.438+/-58.602 χ²/NDF: 50.6/27
All: 179.015+/-41.638 χ²/NDF: 81.4/57
- sign 72.555+/-59.171 χ²/NDF: 24.4/29



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 194.079+/-0.046 χ^2/NDF:849828.5/11

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

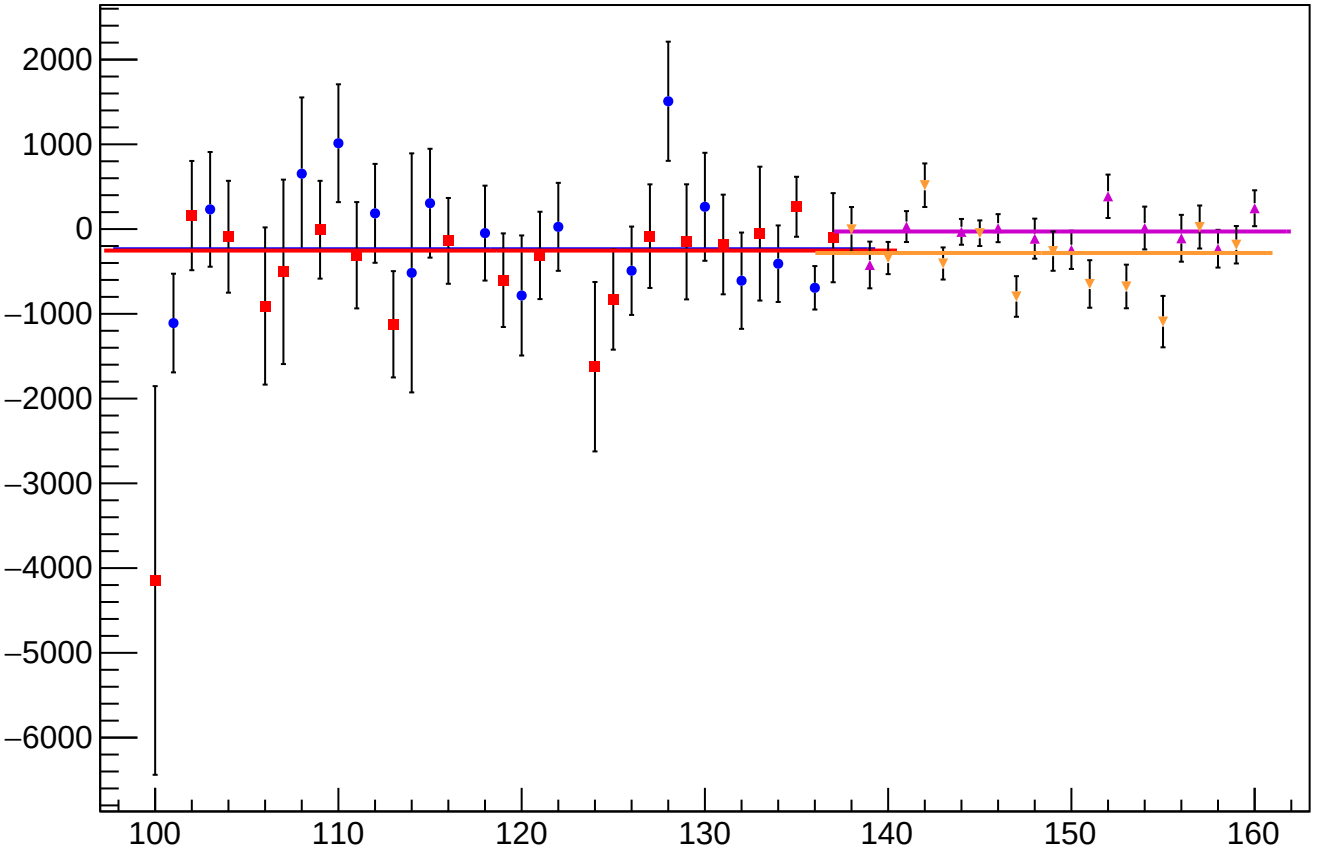
Left In: 195.733+/-0.046 χ^2/NDF:684321.6/10

+ sign 223.158+/-0.041 χ^2/NDF: 4271683.8/27

All: 224.968+/-0.029 χ^2/NDF: 8698223.6/57

- 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: -281.890+/-64.611 χ^2/NDF:31.1/11

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

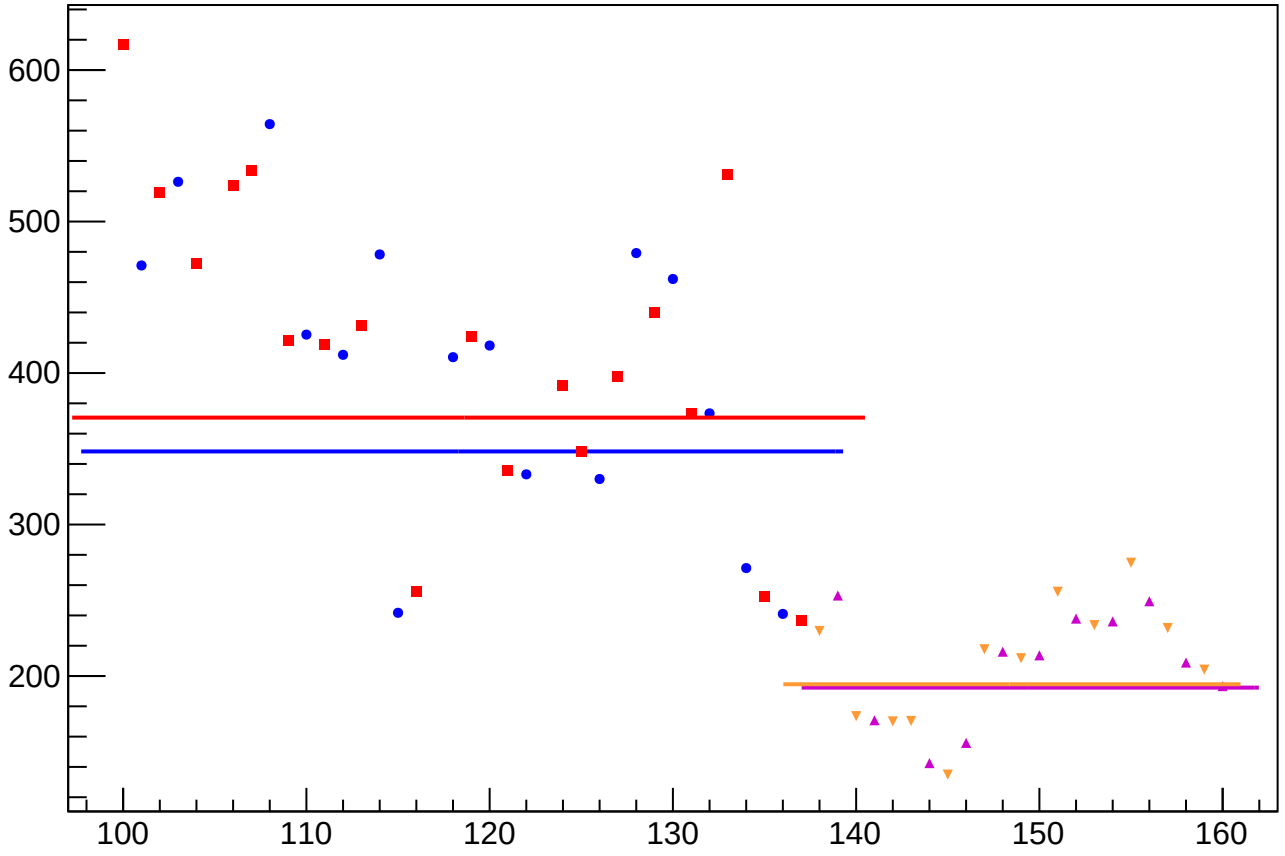
Left In: -28.531+/-63.642 χ^2/NDF:8.5/10

+ sign -273.752+/-58.308 χ^2/NDF: 51.1/27

All: -169.699+/-41.109 χ^2/NDF: 79.8/57

- 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: 194.565+/-0.046 χ^2/NDF:779147.2/11

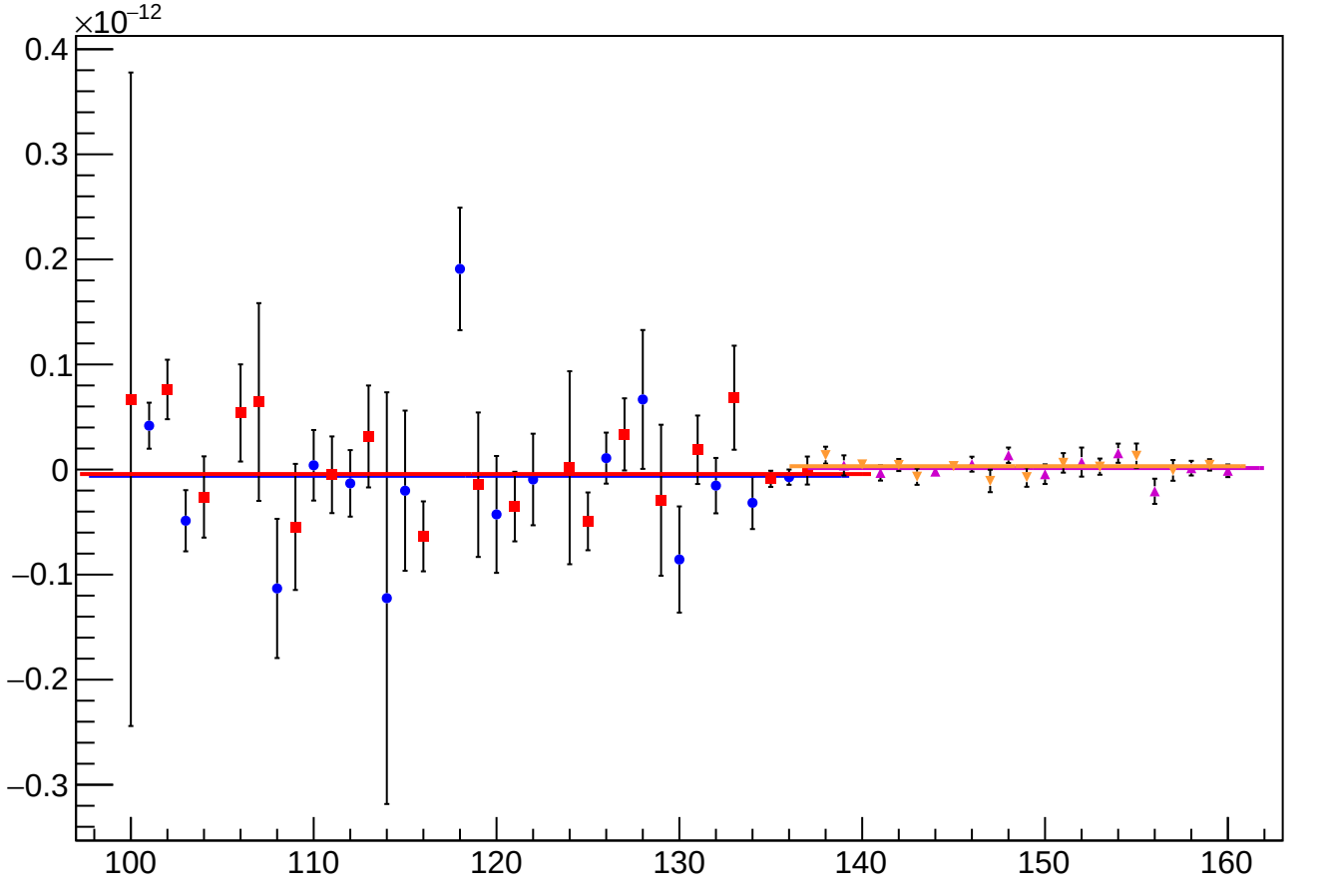
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 192.342+/-0.045 χ^2/NDF:694196.3/10

+ sign 223.088+/-0.041 χ^2/NDF: 3936077.4/27

All: 222.902+/-0.029 χ^2/NDF: 8221788.9/57

- 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:7.7/11

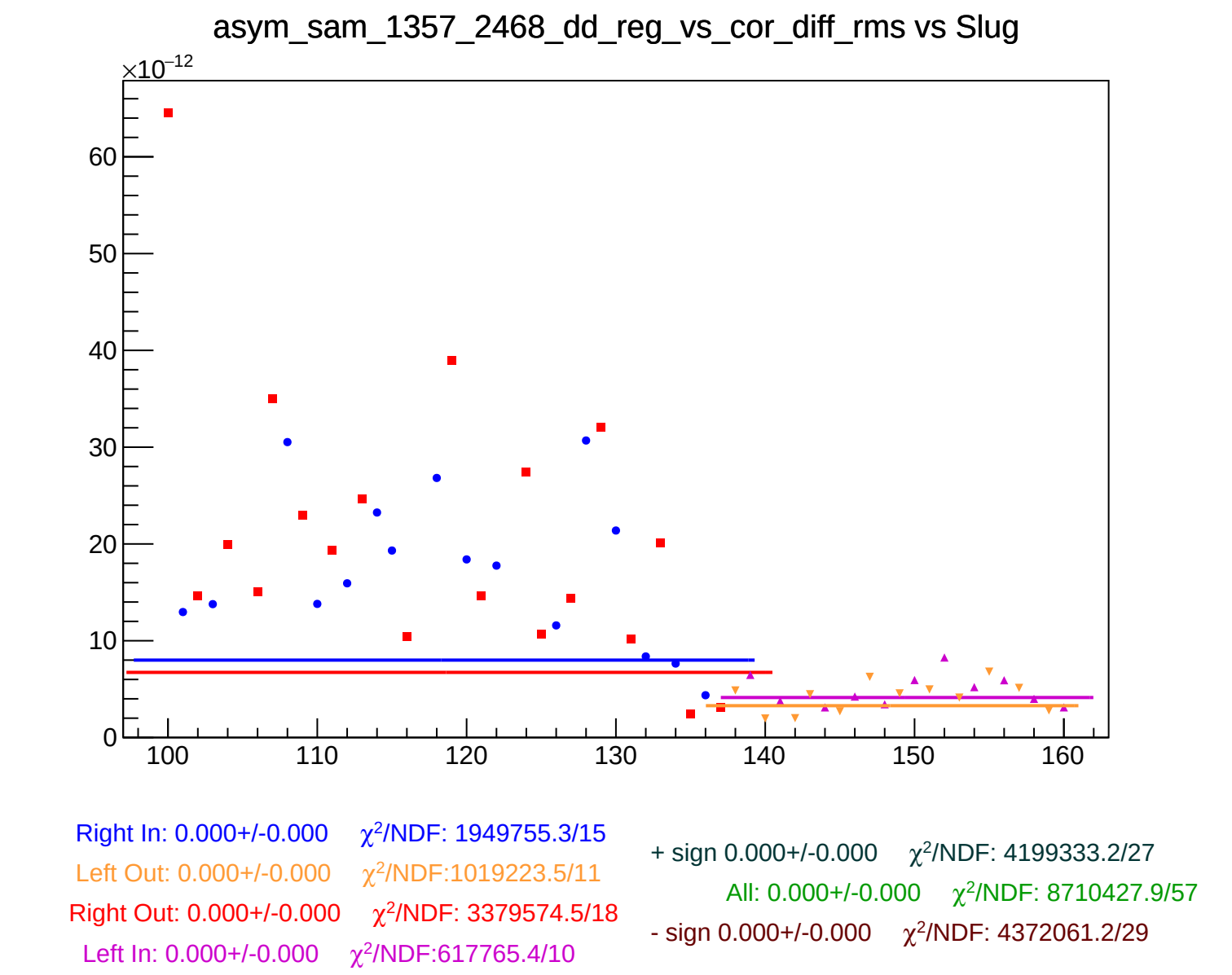
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

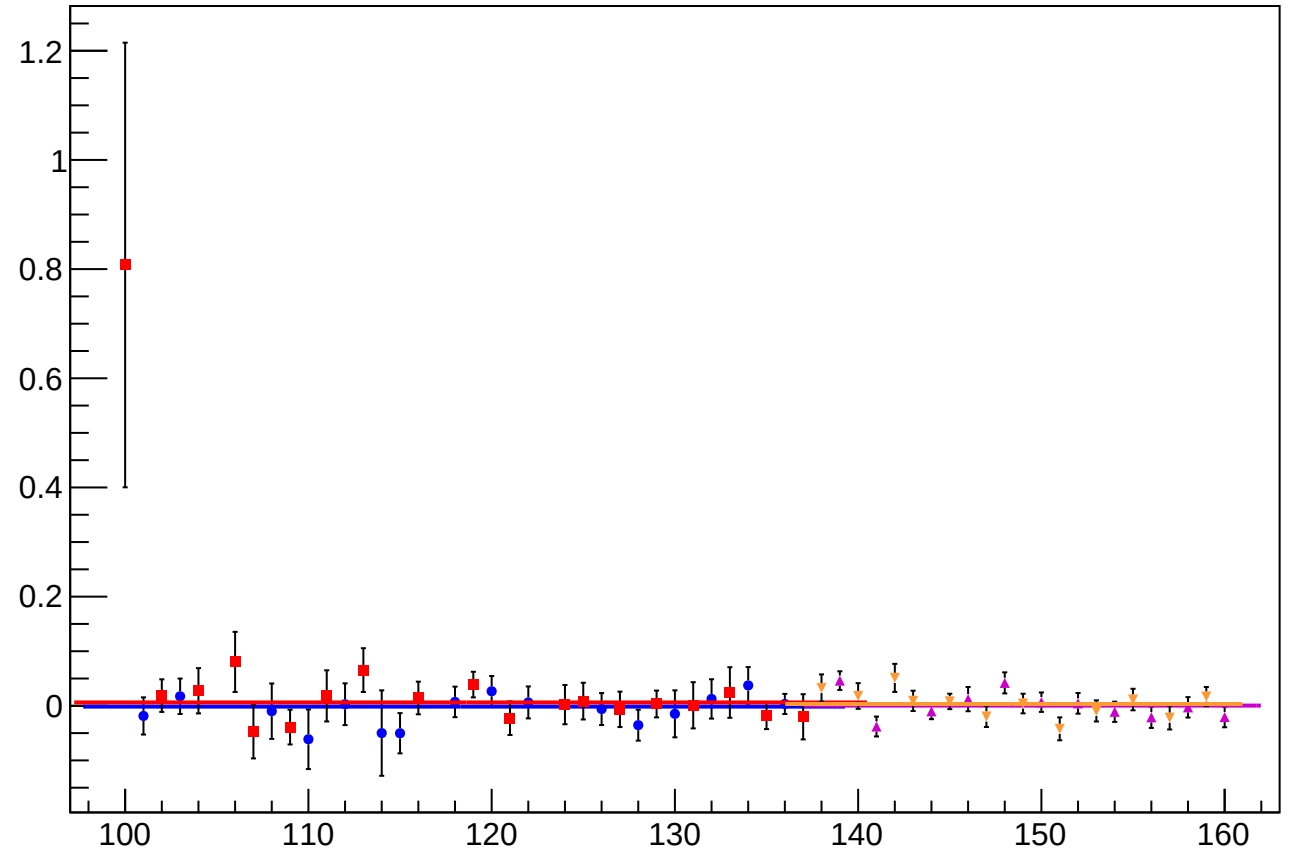
Left In: 0.000+/-0.000 χ^2/NDF:10.6/10

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/27

All: 0.000+/-0.000 χ^2/NDF: 72.0/57

- sign 0.000+/-0.000 χ^2/NDF: 34.4/29


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1019223.5/11
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:617765.4/10
+ sign 0.000+/-0.000 χ²/NDF: 4199333.2/27
All: 0.000+/-0.000 χ²/NDF: 8710427.9/57
- sign 0.000+/-0.000 χ²/NDF: 4372061.2/29



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.006 χ^2/NDF:14.1/11

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

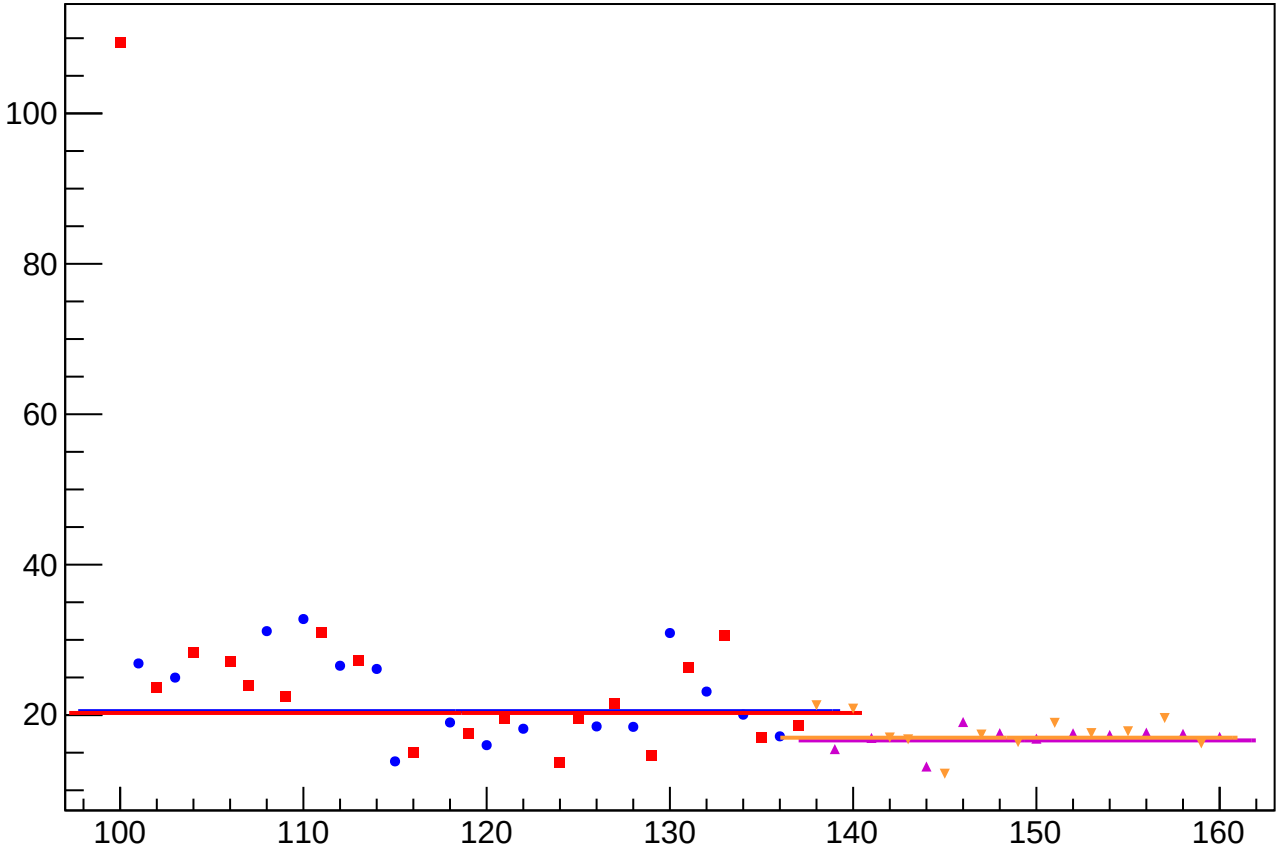
Left In: 0.000+/-0.005 χ^2/NDF:20.1/10

+ sign 0.002+/-0.005 χ^2/NDF: 22.6/27

All: 0.002+/-0.003 χ^2/NDF: 59.3/57

- 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: 16.992+/-0.004 χ^2/NDF:402945.4/11

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

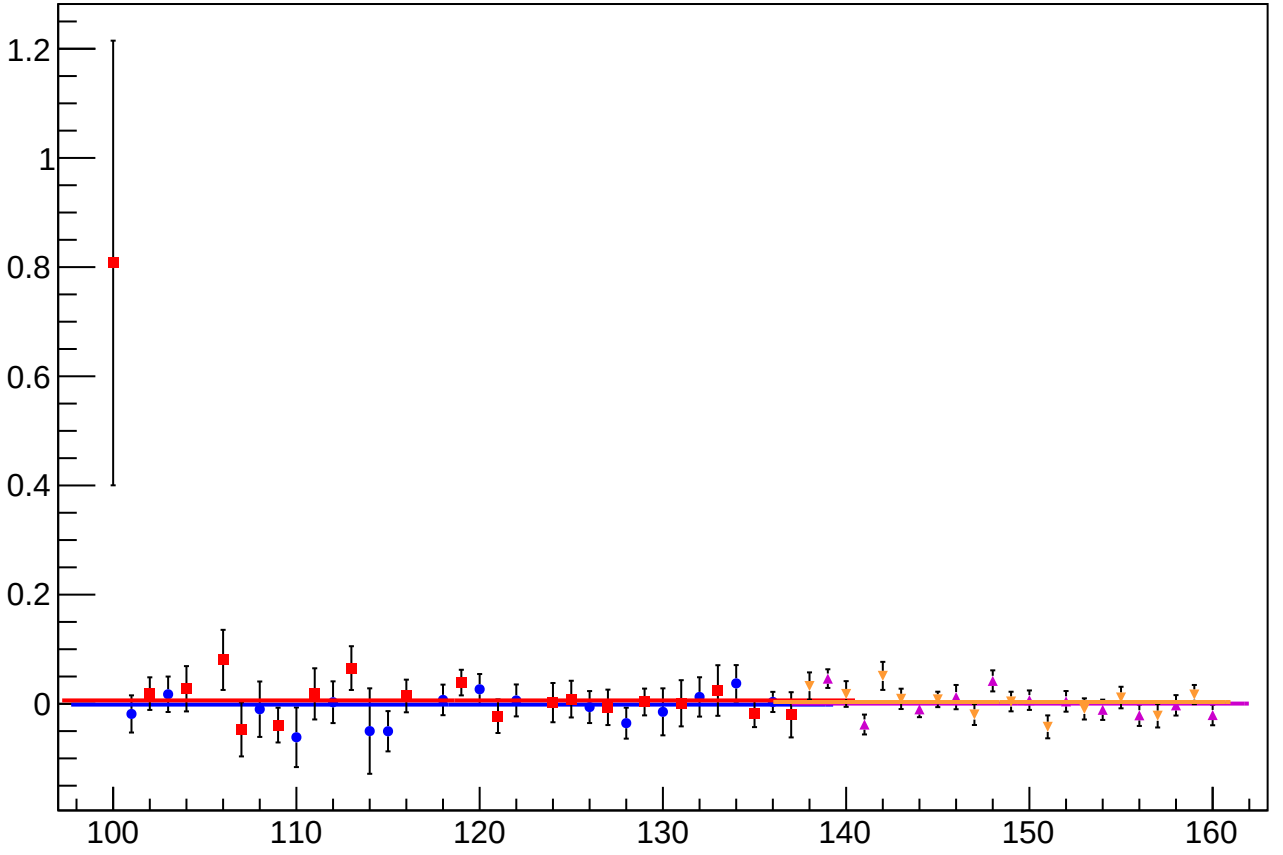
Left In: 16.632+/-0.004 χ^2/NDF:174765.3/10

+ sign 18.150+/-0.003 χ^2/NDF: 1366707.8/27

All: 17.983+/-0.002 χ^2/NDF: 2699451.4/57

- sign 17.825+/-0.003 χ^2/NDF: 1327673.5/29

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.006 χ^2/NDF:14.1/11

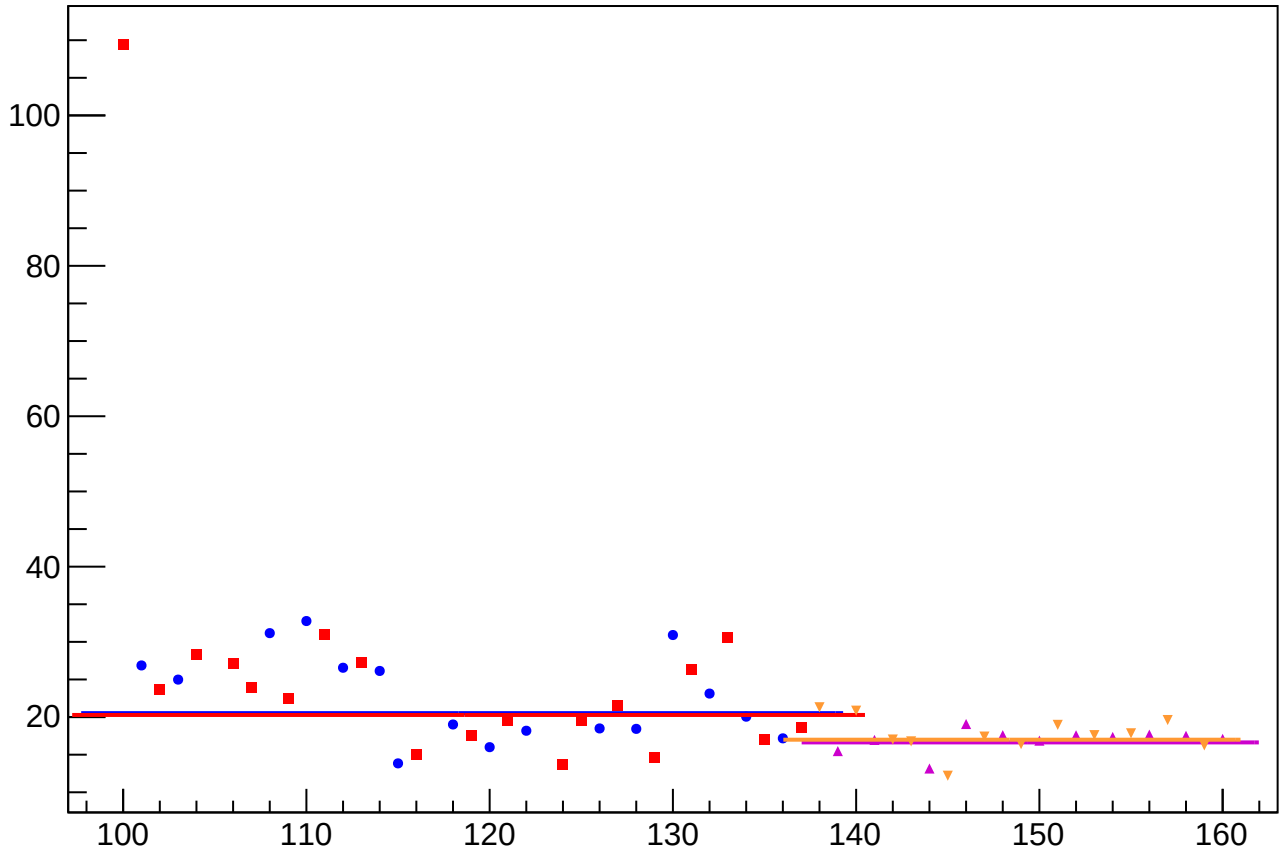
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.005 χ^2/NDF:20.1/10

+ sign 0.002+/-0.005 χ^2/NDF: 22.6/27

All: 0.002+/-0.003 χ^2/NDF: 59.3/57

- 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: 16.992+/-0.004 χ^2/NDF:402945.4/11

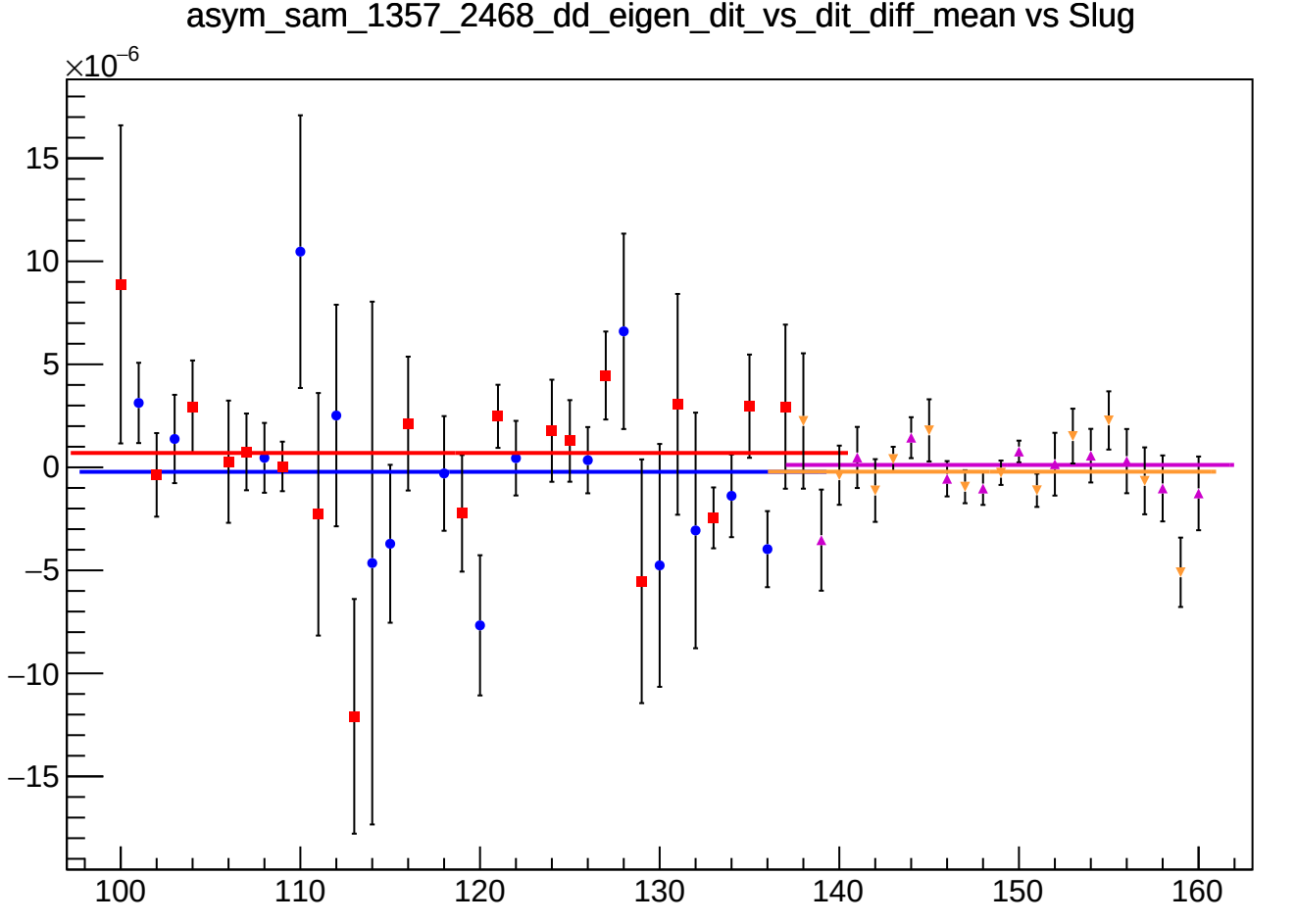
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.632+/-0.004 χ^2/NDF:174765.3/10

+ sign 18.150+/-0.003 χ^2/NDF: 1366707.8/27

All: 17.983+/-0.002 χ^2/NDF: 2699451.4/57

- 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:19.1/11

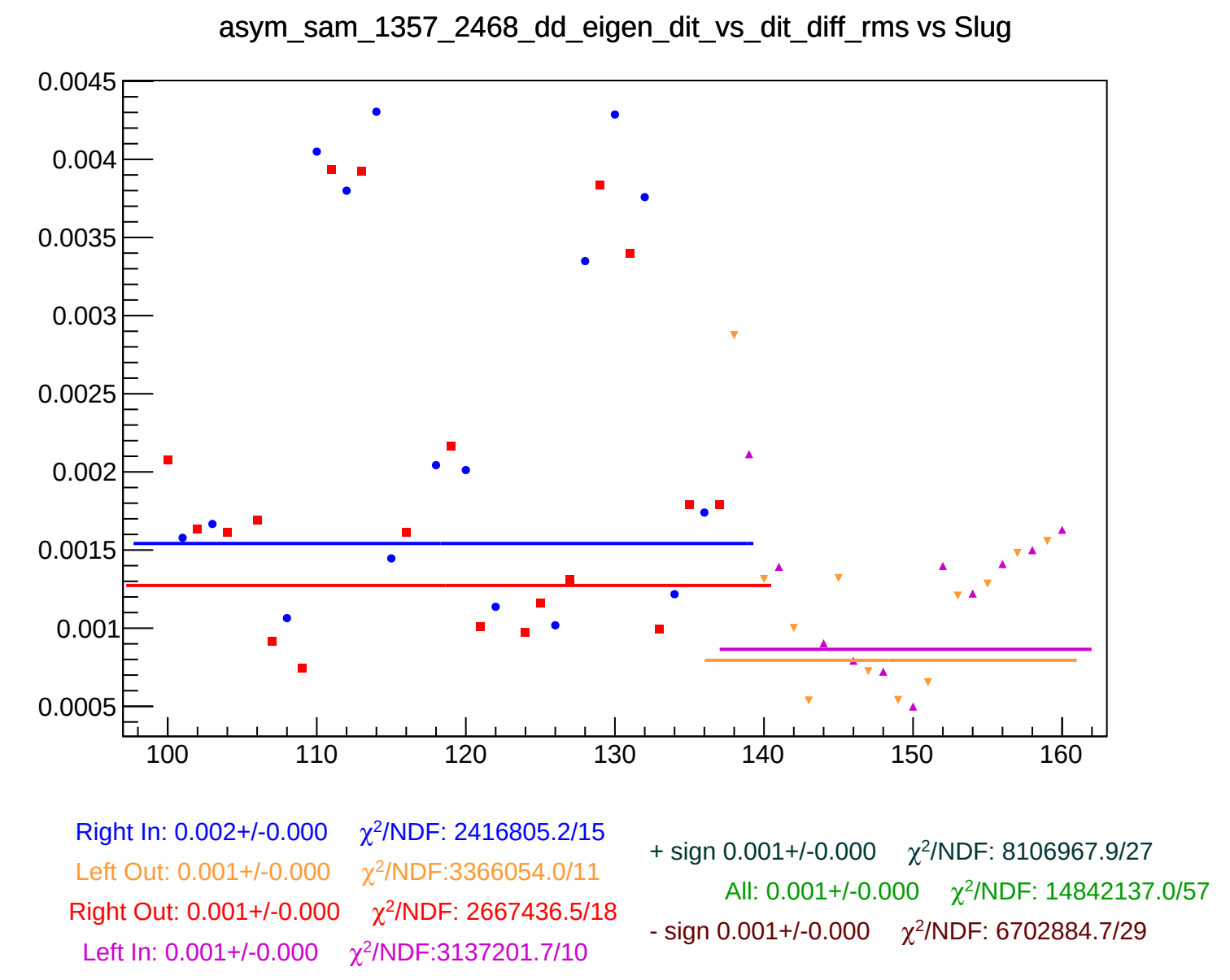
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

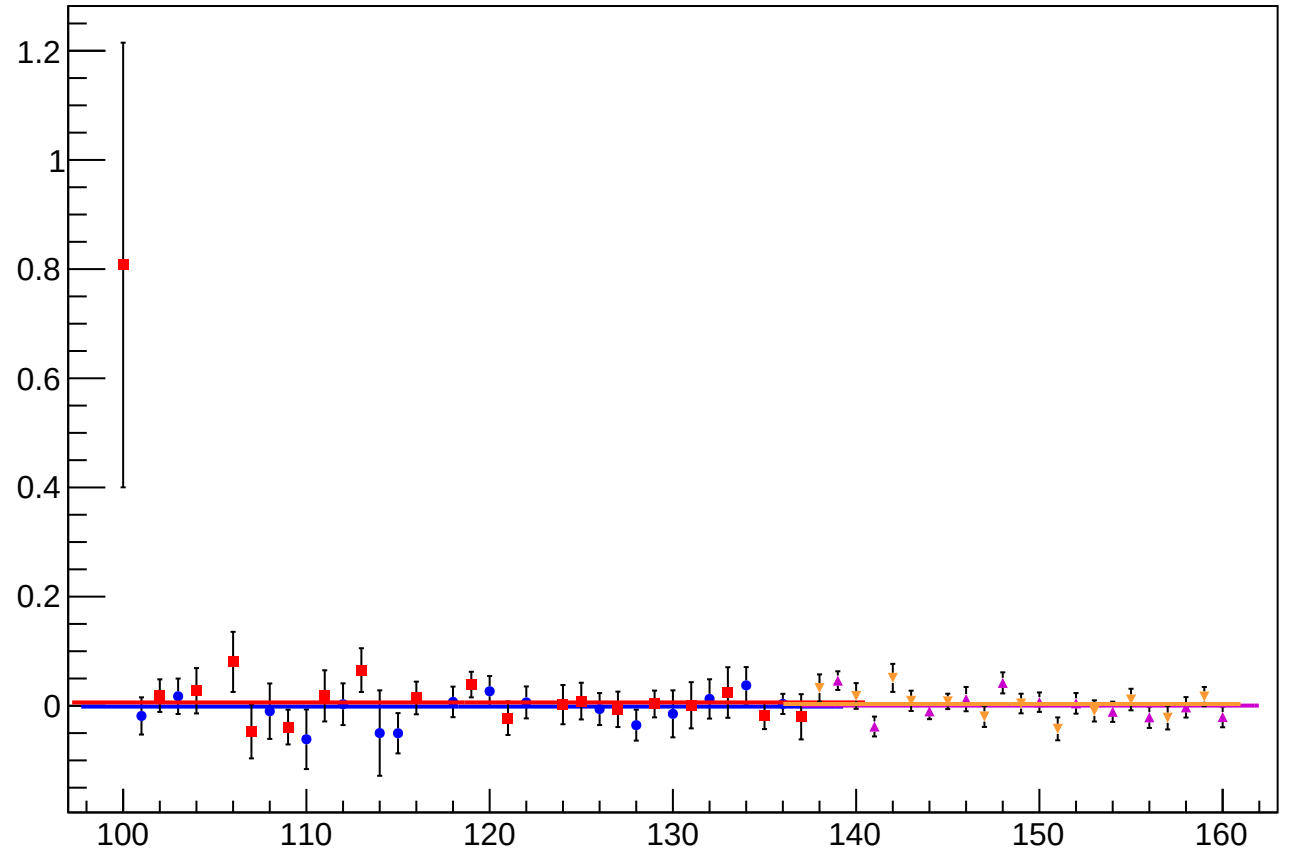
Left In: 0.000+/-0.000 χ^2/NDF:9.5/10

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/27

All: 0.000+/-0.000 χ^2/NDF: 72.1/57

- 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:3366054.0/11
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: 8106967.9/27
All: 0.001+/-0.000 χ²/NDF: 14842137.0/57
- sign 0.001+/-0.000 χ²/NDF: 6702884.7/29



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.006 χ^2/NDF:14.1/11

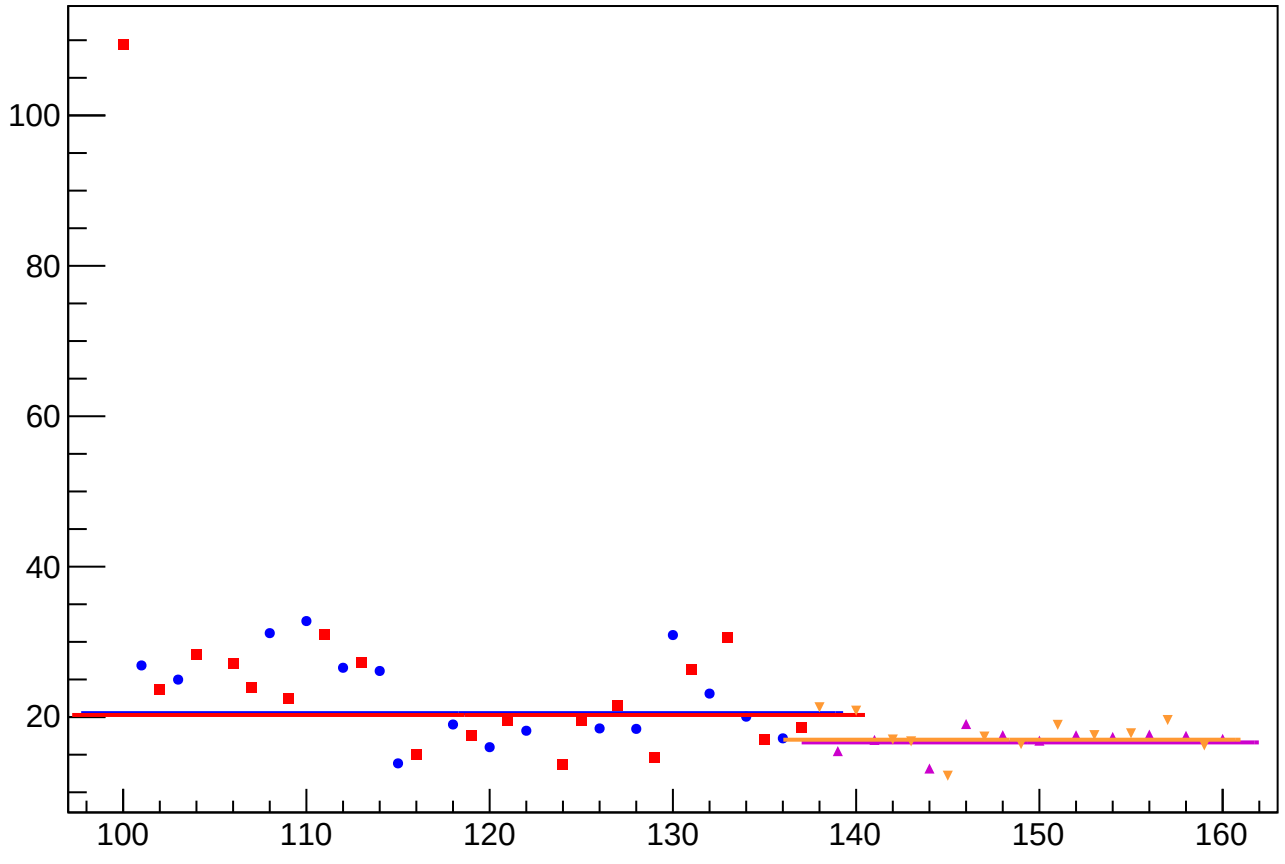
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.005 χ^2/NDF:20.1/10

+ sign 0.002+/-0.005 χ^2/NDF: 22.6/27

All: 0.002+/-0.003 χ^2/NDF: 59.3/57

- 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: 16.992+/-0.004 χ^2/NDF:402896.7/11

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

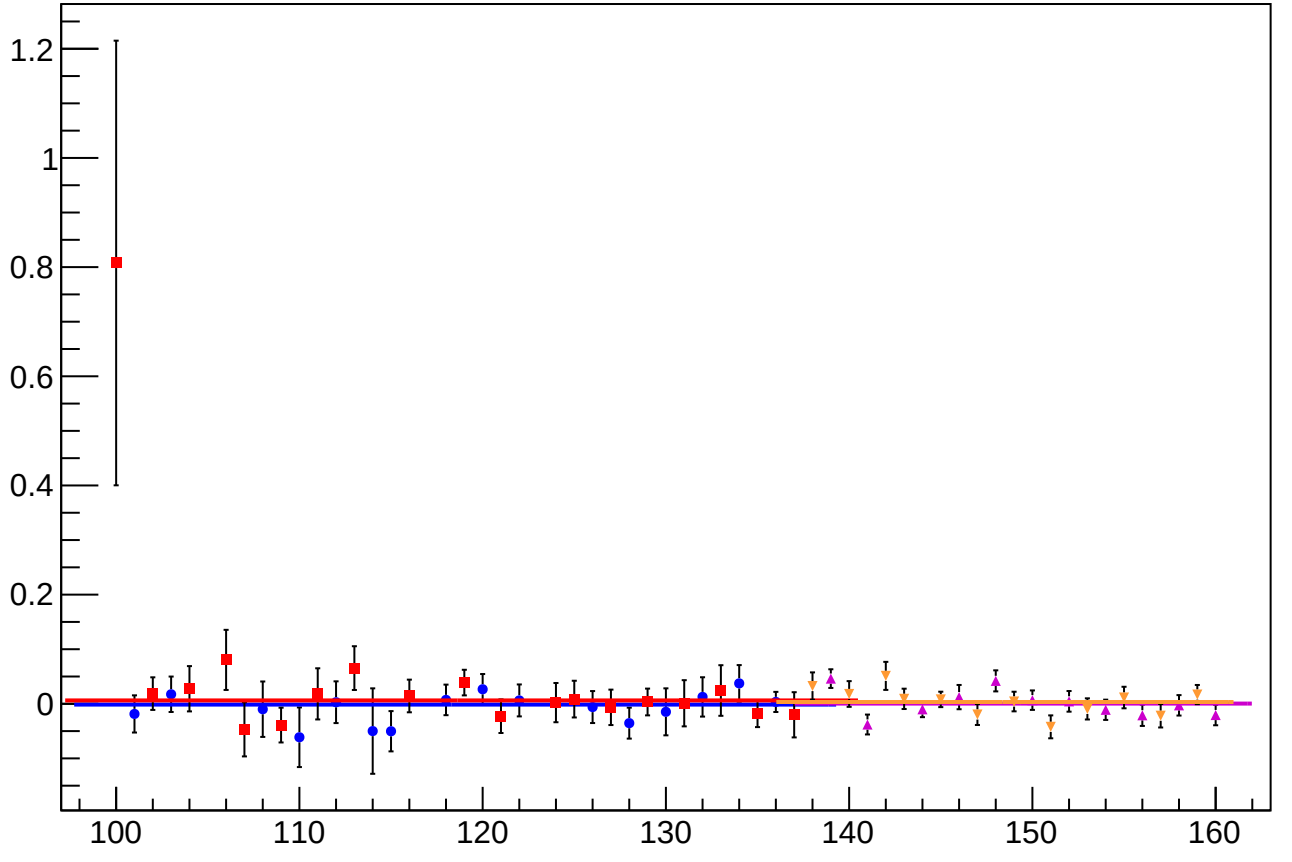
Left In: 16.632+/-0.004 χ^2/NDF:174779.7/10

+ sign 18.150+/-0.003 χ^2/NDF: 1366432.5/27

All: 17.983+/-0.002 χ^2/NDF: 2699094.3/57

- 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: 0.003+/-0.006 χ^2/NDF:14.1/11

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

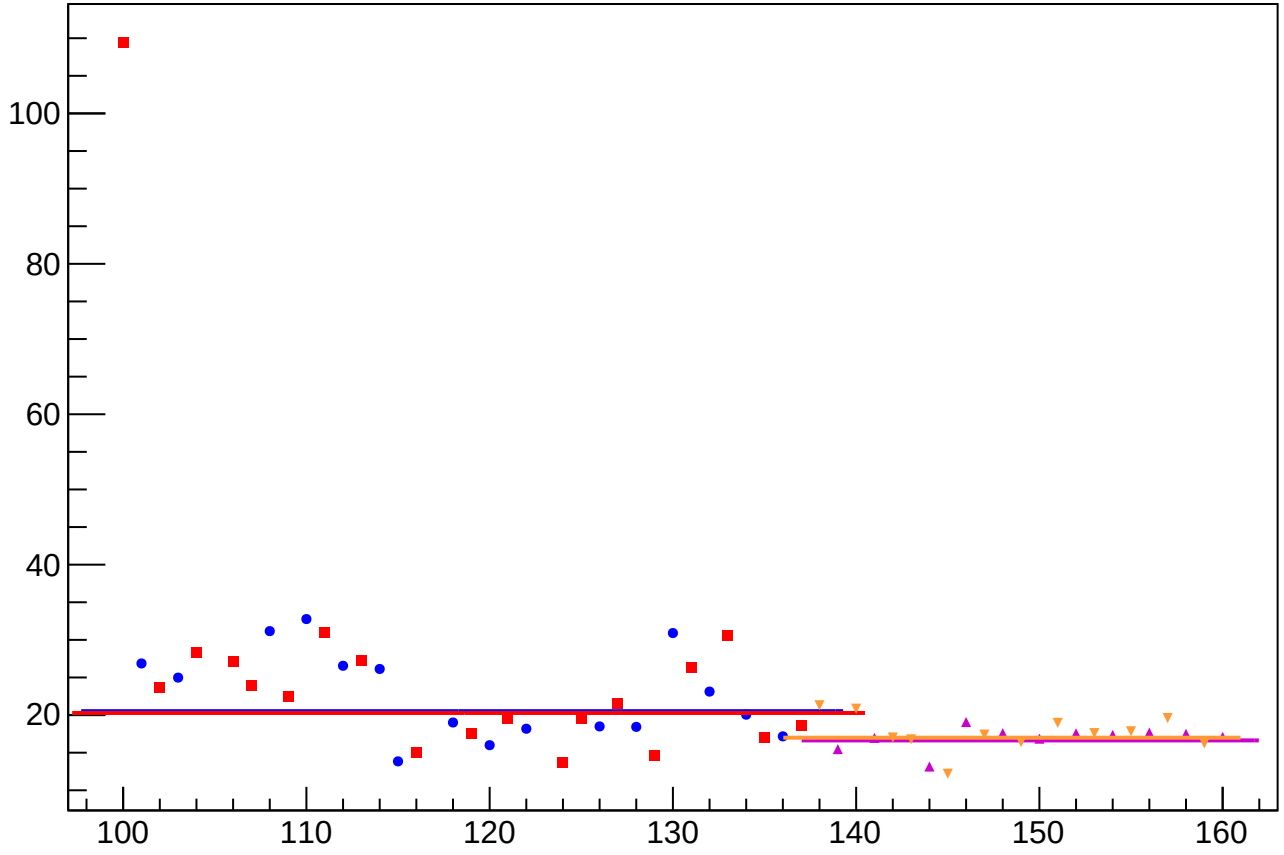
Left In: 0.000+/-0.005 χ^2/NDF:20.1/10

+ sign 0.002+/-0.005 χ^2/NDF: 22.6/27

All: 0.002+/-0.003 χ^2/NDF: 59.3/57

- sign 0.002+/-0.005 χ^2/NDF: 36.7/29

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.992+/-0.004 χ^2/NDF:402896.7/11

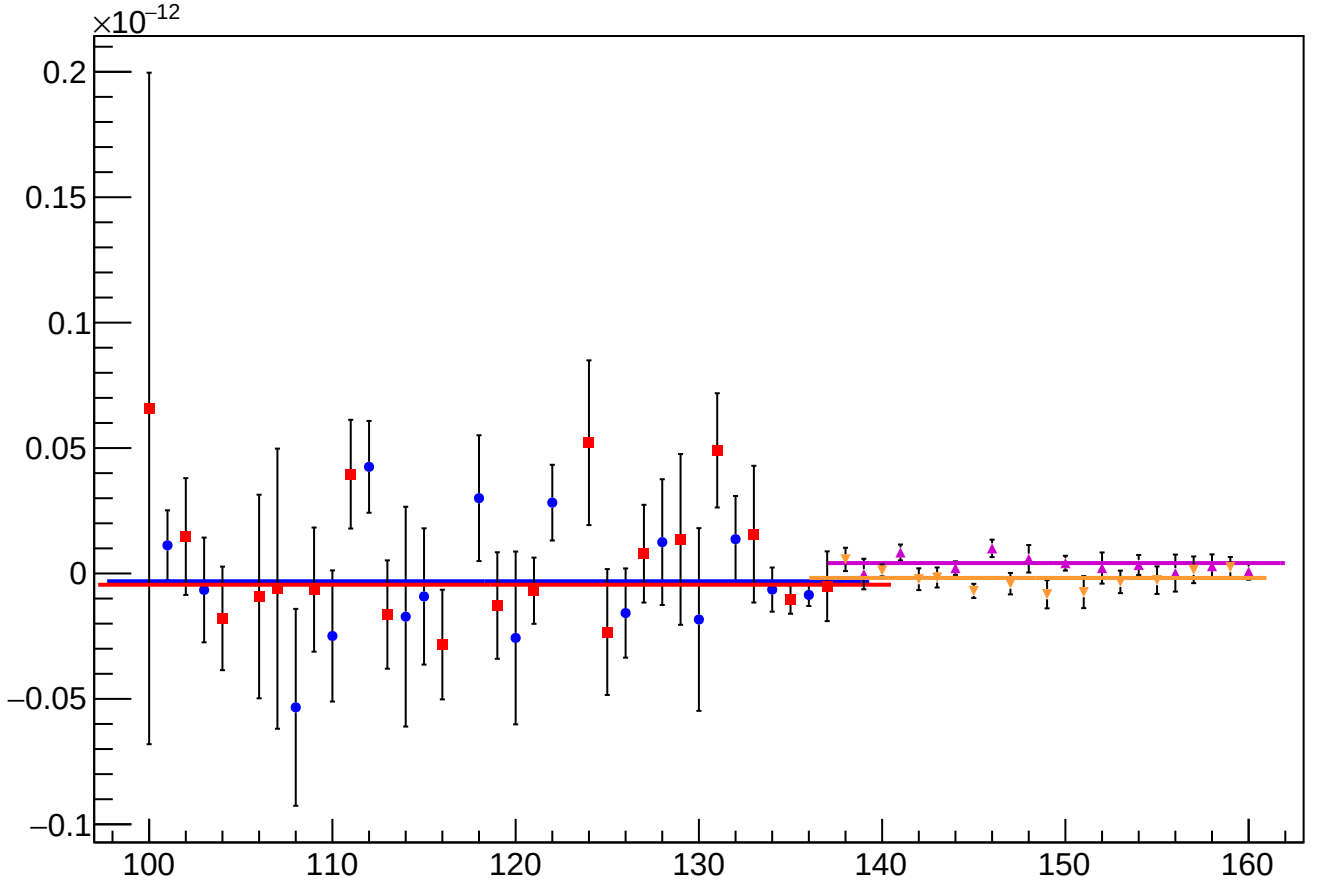
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.632+/-0.004 χ^2/NDF:174779.7/10

+ sign 18.150+/-0.003 χ^2/NDF: 1366432.5/27

All: 17.983+/-0.002 χ^2/NDF: 2699094.3/57

- 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:11.5/11

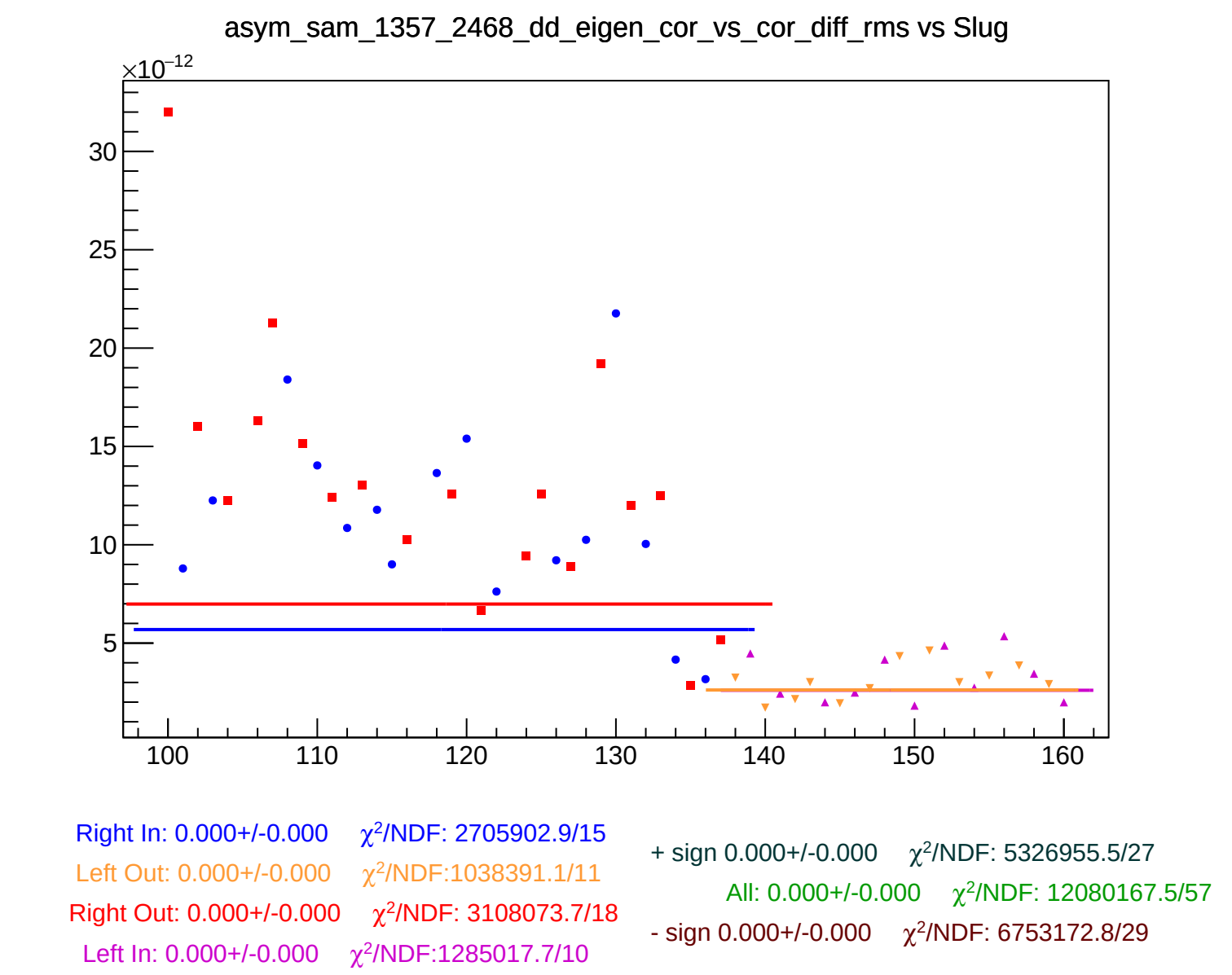
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/10

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/27

All: 0.000+/-0.000 χ^2/NDF: 74.1/57

- 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
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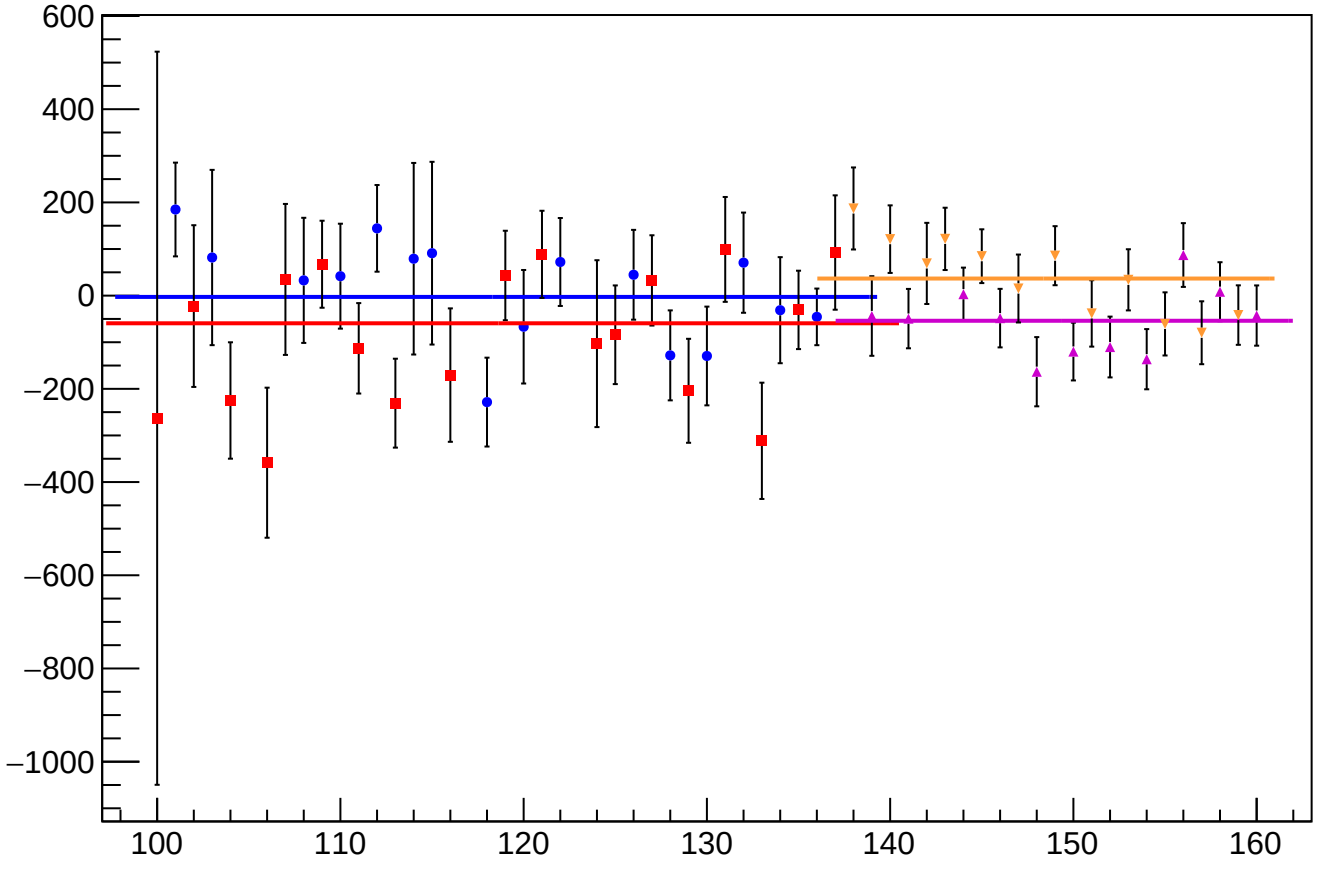
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1038391.1/11
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:1285017.7/10
+ sign 0.000+/-0.000 χ²/NDF: 5326955.5/27
All: 0.000+/-0.000 χ²/NDF: 12080167.5/57
- sign 0.000+/-0.000 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: 36.664+/-19.898 χ^2/NDF:15.1/11

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

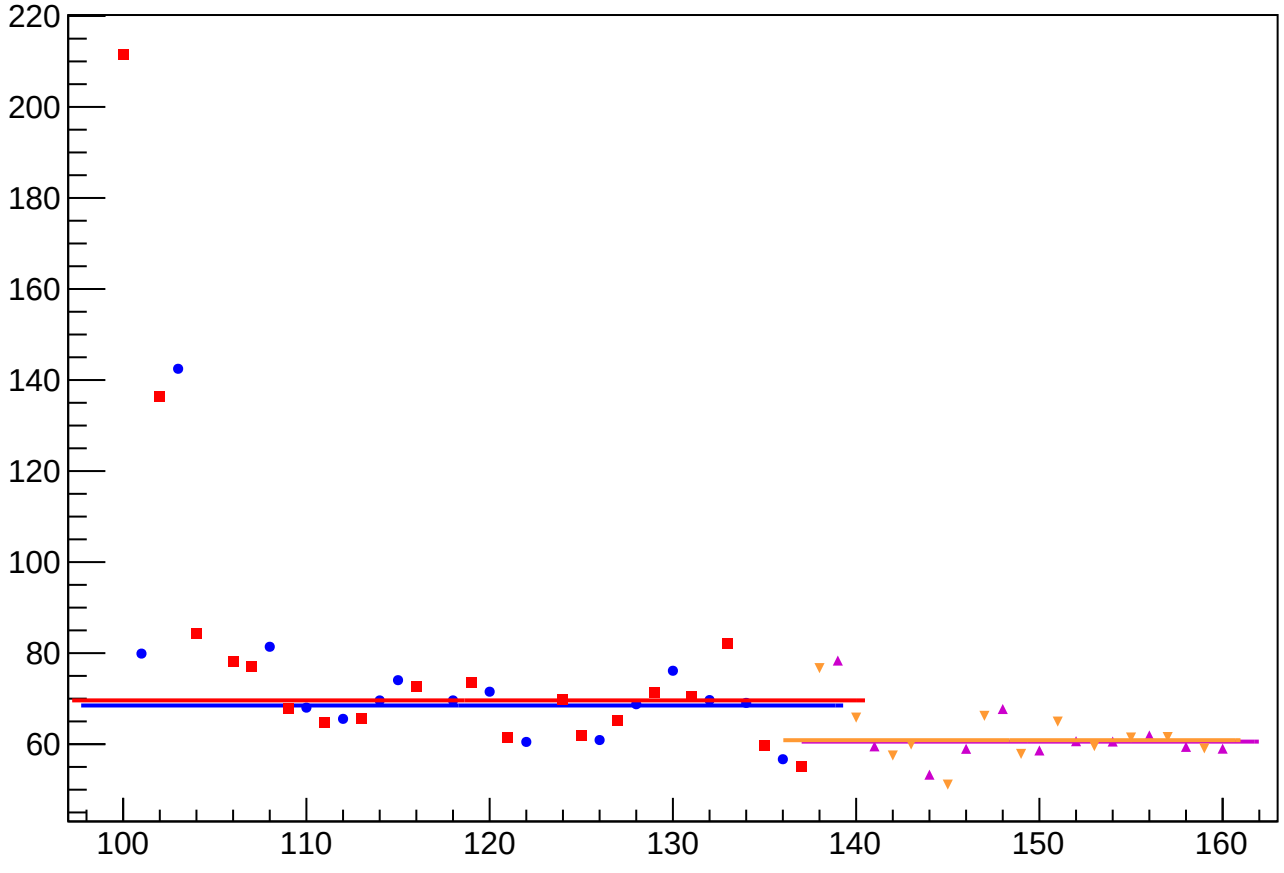
Left In: -53.951+/-19.745 χ^2/NDF:12.0/10

+ sign 22.249+/-15.849 χ^2/NDF: 34.2/27

All: -16.921+/-11.193 χ^2/NDF: 84.1/57

- 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: 60.871+/-0.014 χ^2/NDF:159307.2/11

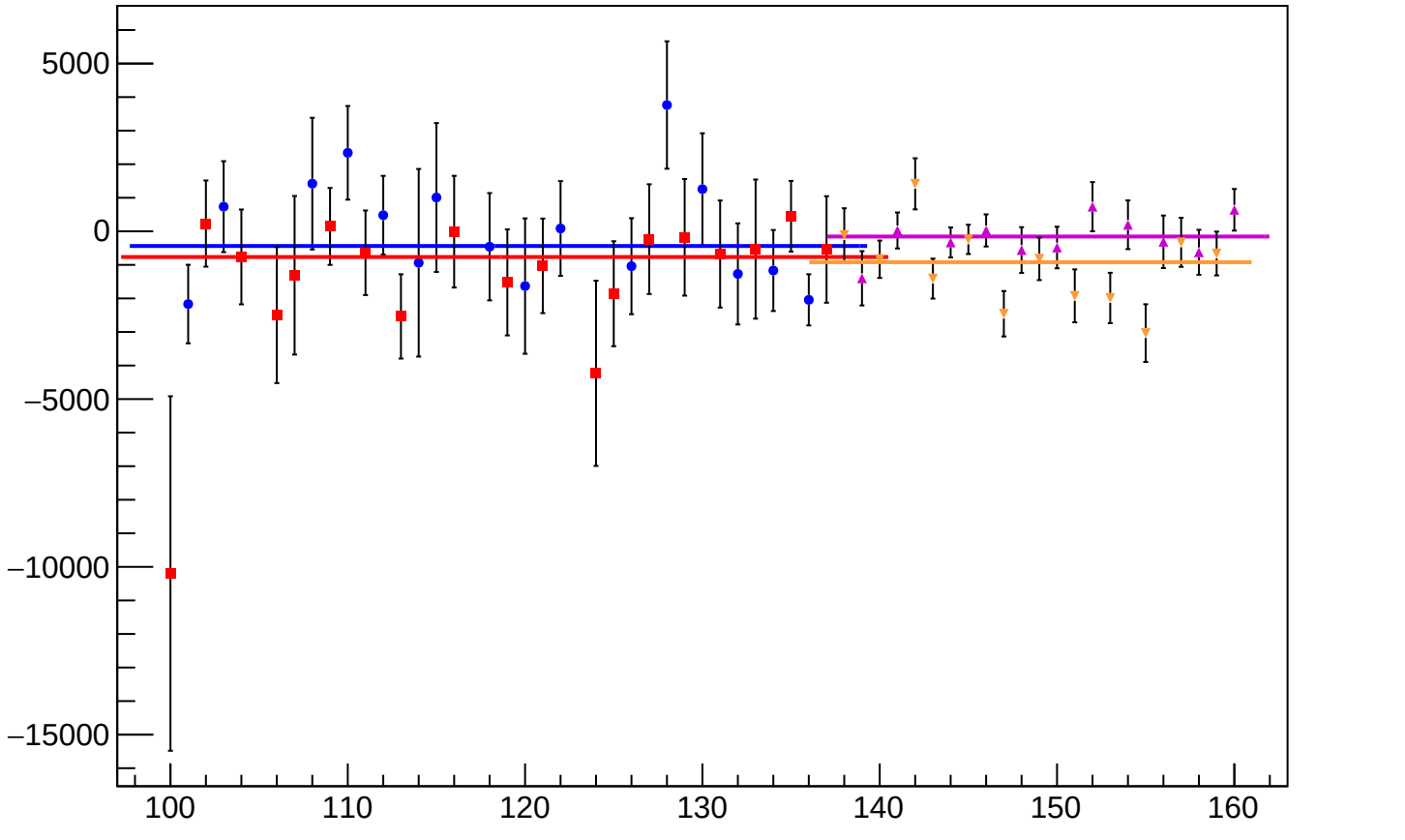
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.562+/-0.014 χ^2/NDF:144459.8/10

+ sign 63.660+/-0.011 χ^2/NDF: 738605.1/27

All: 63.737+/-0.008 χ^2/NDF: 1554669.2/57

- 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: -919.804+/-188.275 χ^2/NDF:29.2/11

Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

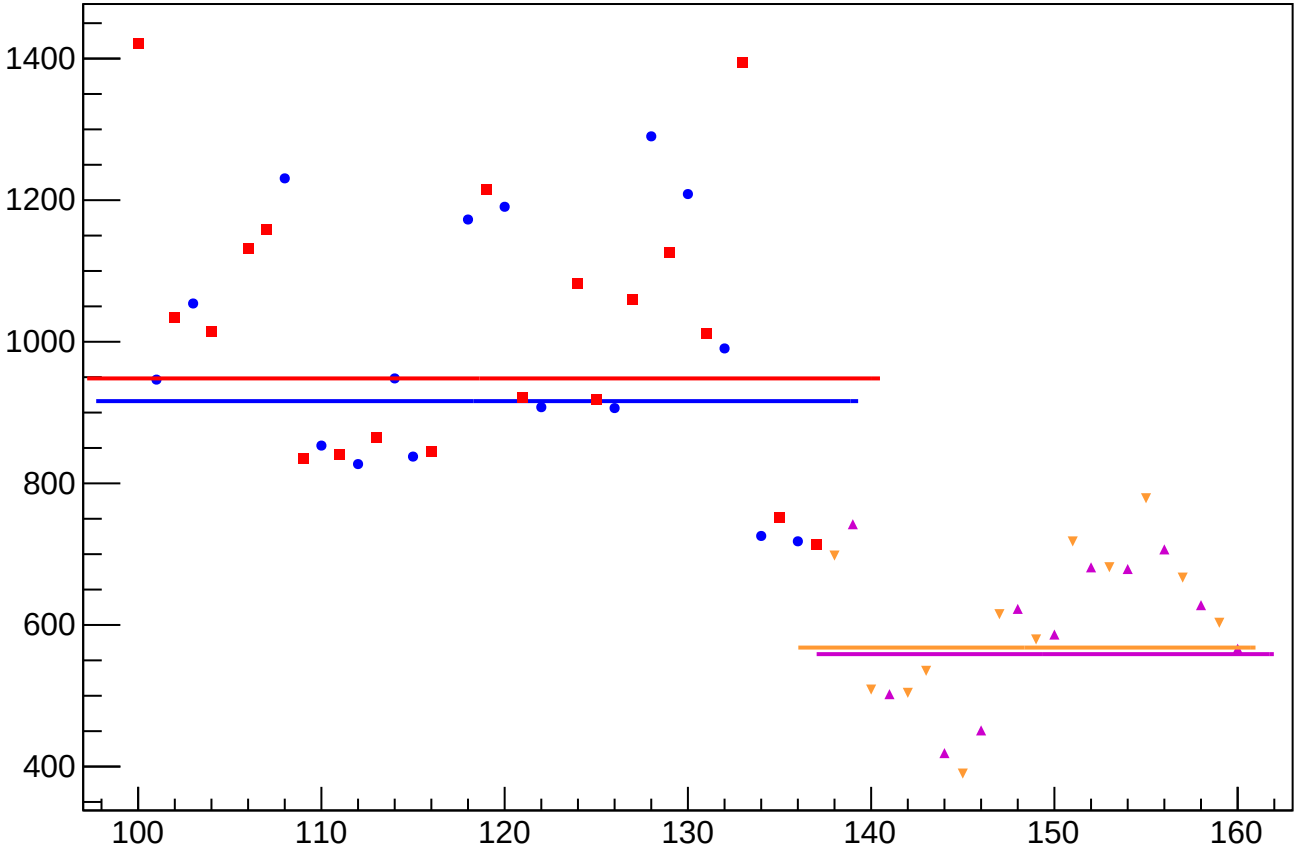
Left In: -155.267+/-184.677 χ^2/NDF:7.3/10

+ sign -811.010+/-165.688 χ^2/NDF: 51.3/27

All: -545.411+/-116.429 χ^2/NDF: 77.3/57

- sign -286.333+/-163.641 χ^2/NDF: 21.0/29

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 568.067+/-0.133 χ^2/NDF:719551.4/11

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

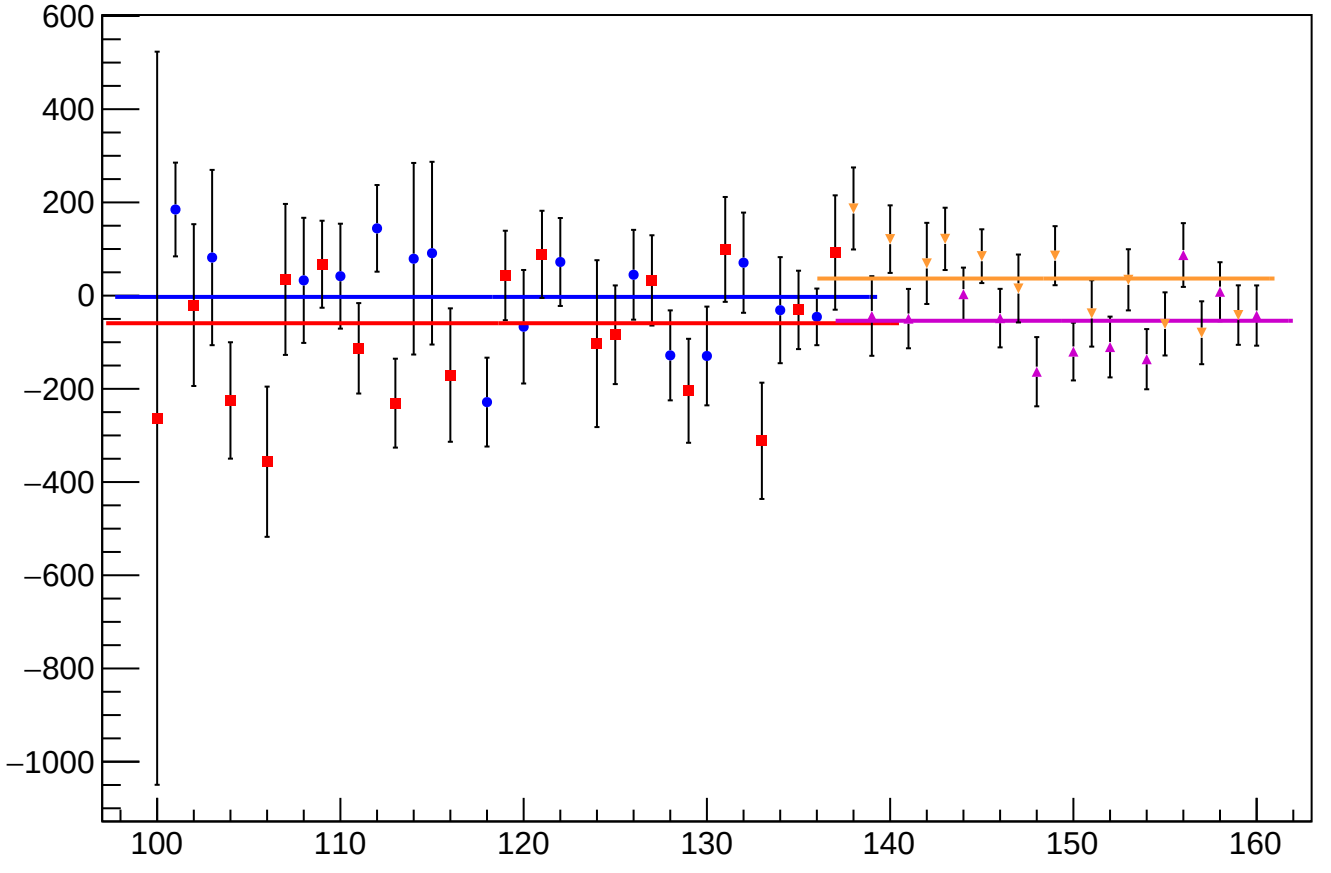
Left In: 558.796+/-0.131 χ^2/NDF:646462.0/10

+ sign 646.580+/-0.117 χ^2/NDF: 2770704.7/27

All: 644.495+/-0.082 χ^2/NDF: 5743679.6/57

- 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: 36.666+/-19.898 χ^2/NDF:15.1/11

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

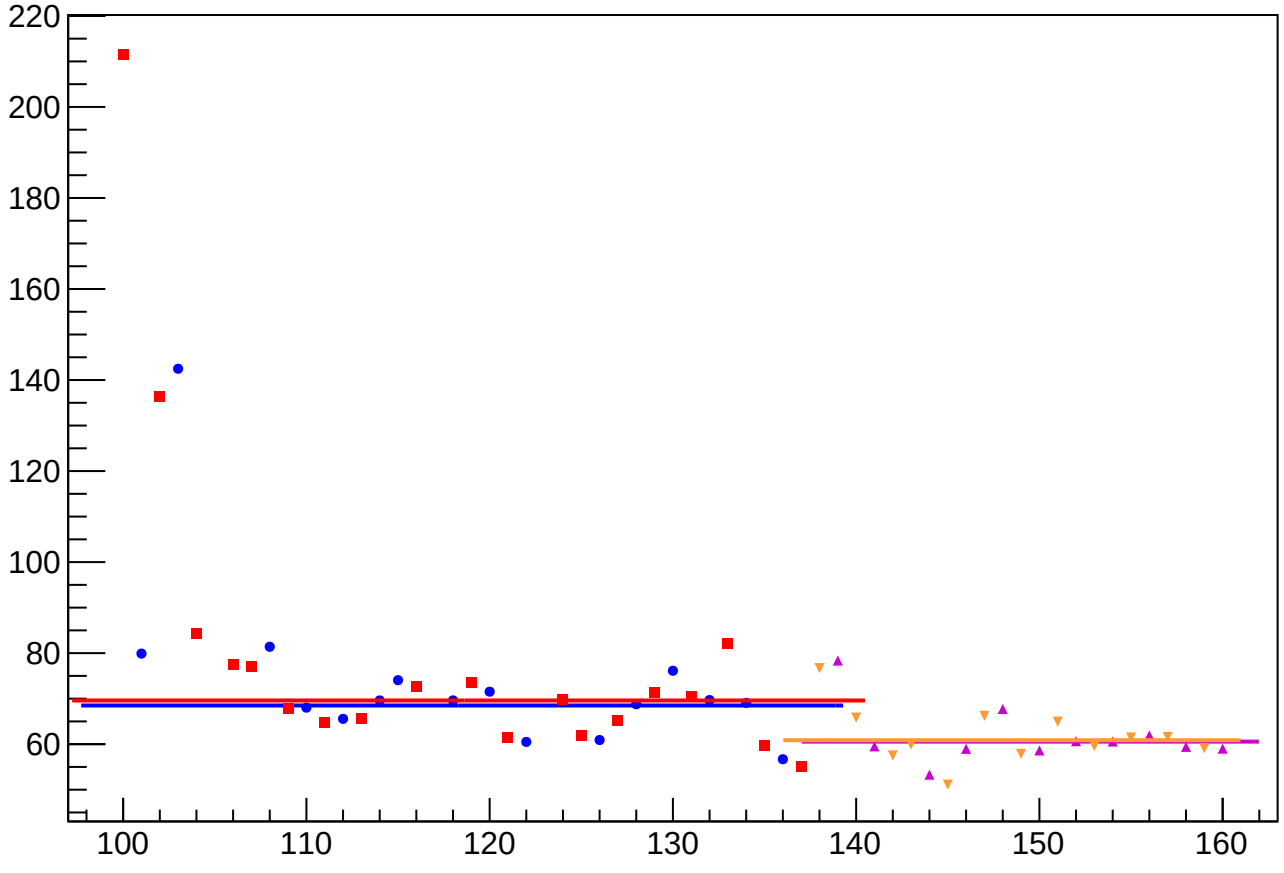
Left In: -53.952+/-19.745 χ^2/NDF:12.0/10

+ sign 22.248+/-15.849 χ^2/NDF: 34.2/27

All: -16.900+/-11.193 χ^2/NDF: 84.0/57

- 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: 60.871+/-0.014 χ^2/NDF:159307.2/11

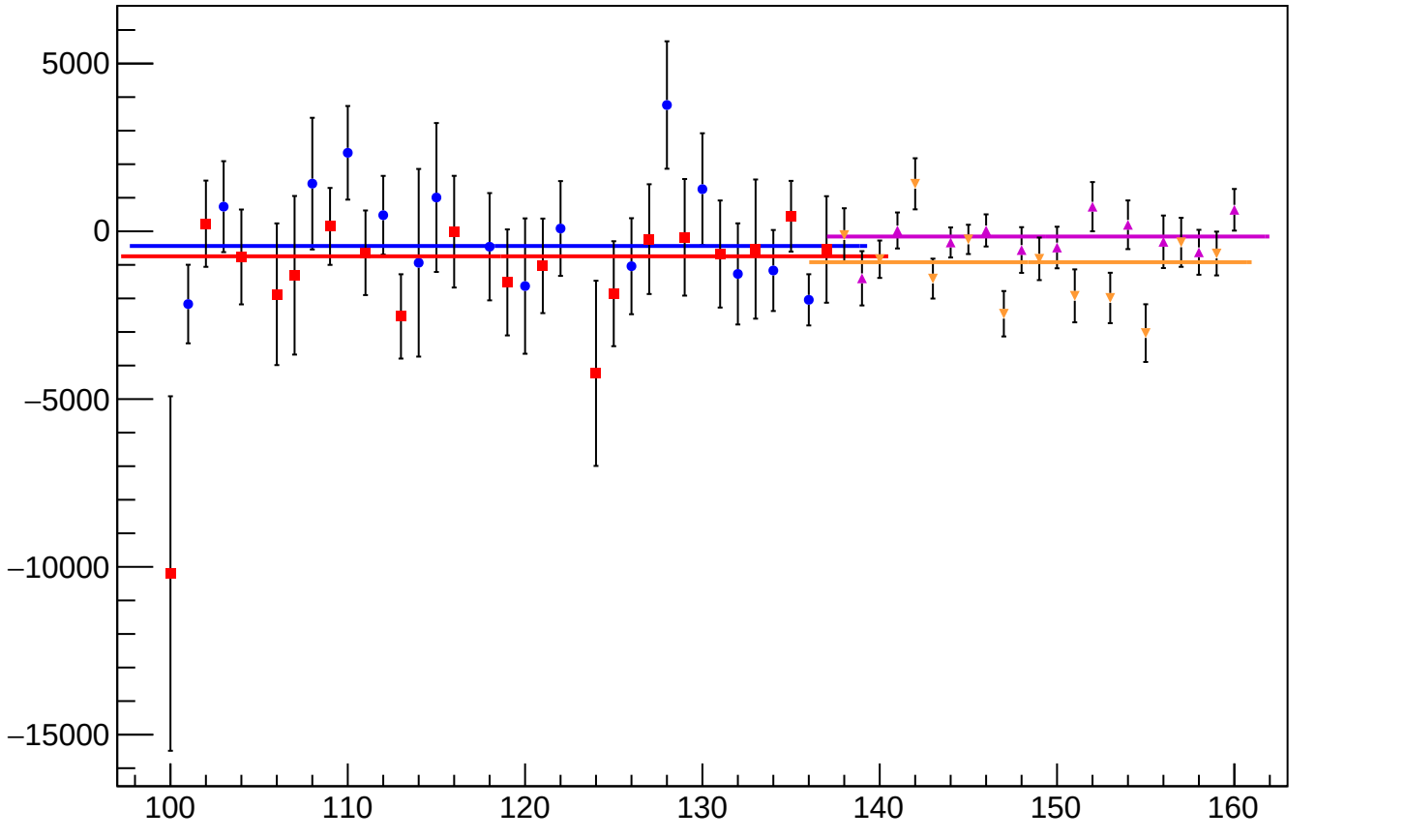
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.562+/-0.014 χ^2/NDF:144459.8/10

\+ sign 63.660+/-0.011 χ^2/NDF: 738608.1/27

All: 63.733+/-0.008 χ^2/NDF: 1553399.1/57

\- 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: -919.800+/-188.275 χ^2/NDF:29.2/11

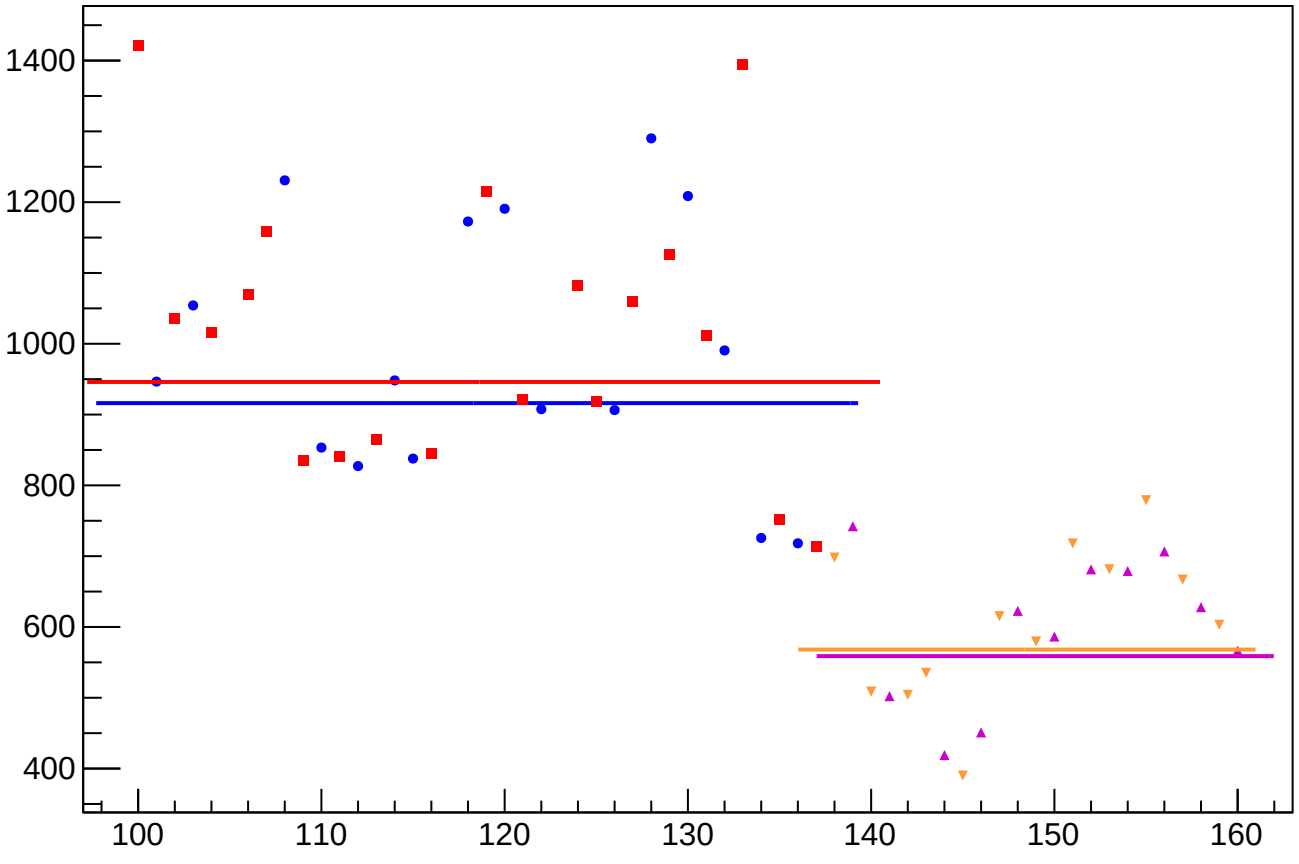
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -155.272+/-184.677 χ^2/NDF:7.3/10

+ sign -811.002+/-165.688 χ^2/NDF: 51.3/27

All: -543.075+/-116.445 χ^2/NDF: 76.8/57

- 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: 568.067+/-0.133 χ^2/NDF:719554.8/11

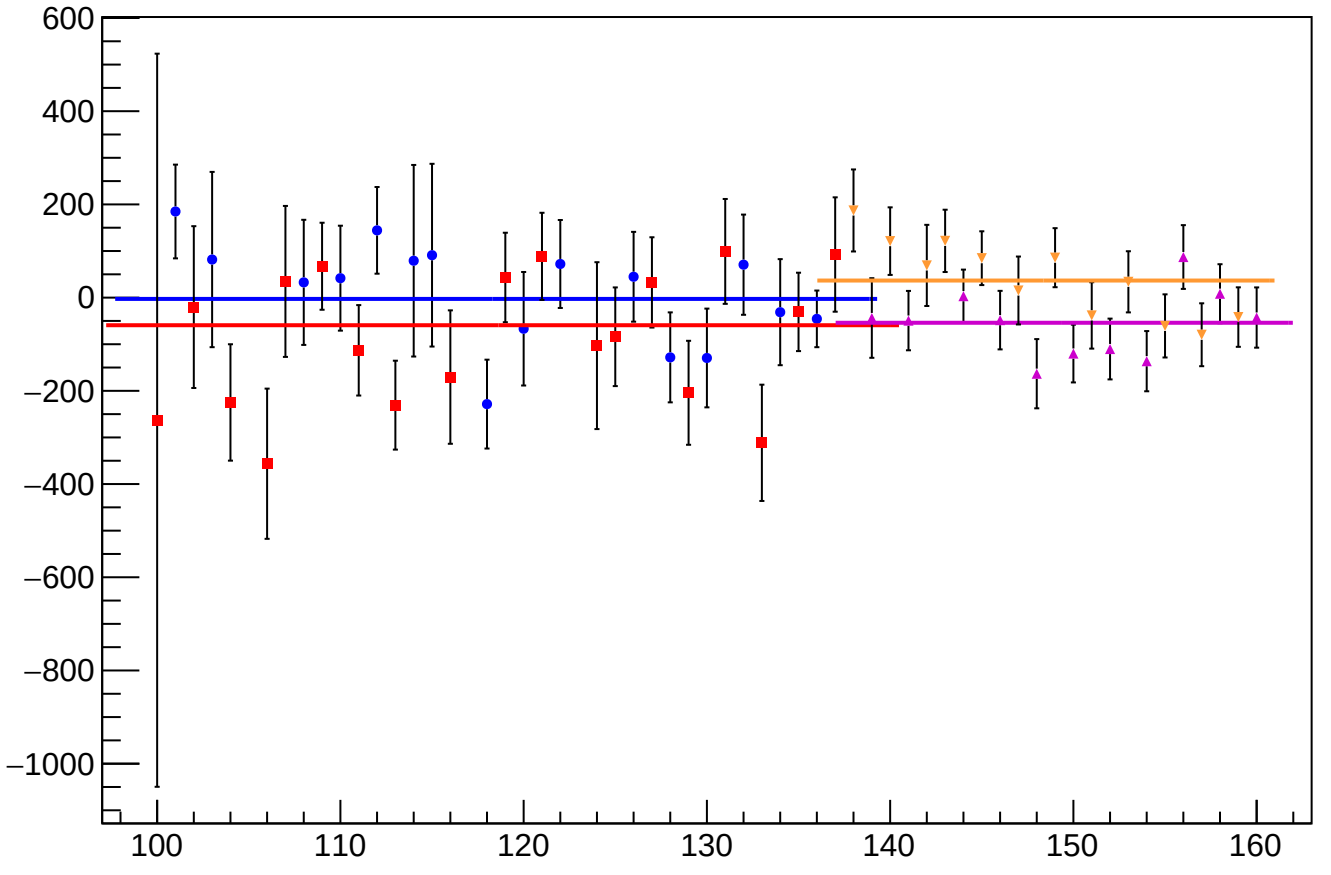
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 558.796+/-0.131 χ^2/NDF:646459.8/10

+ sign 646.580+/-0.117 χ^2/NDF: 2770754.4/27

All: 644.181+/-0.082 χ^2/NDF: 5709521.0/57

- 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: 36.666+/-19.898 χ^2/NDF:15.1/11

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

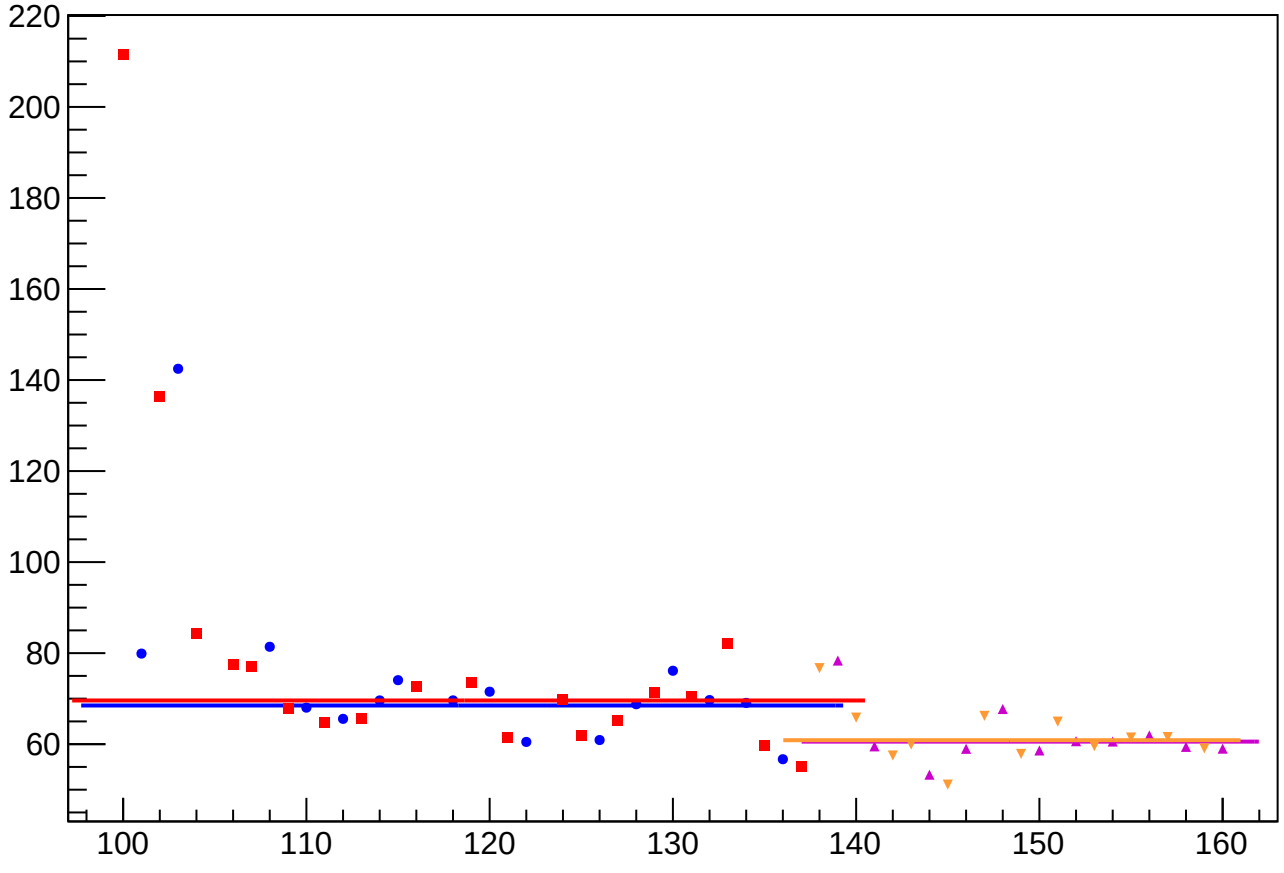
Left In: -53.952+/-19.745 χ^2/NDF:12.0/10

+ sign 22.248+/-15.849 χ^2/NDF: 34.2/27

All: -16.900+/-11.193 χ^2/NDF: 84.0/57

- 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: 60.871+/-0.014 χ^2/NDF:159307.2/11

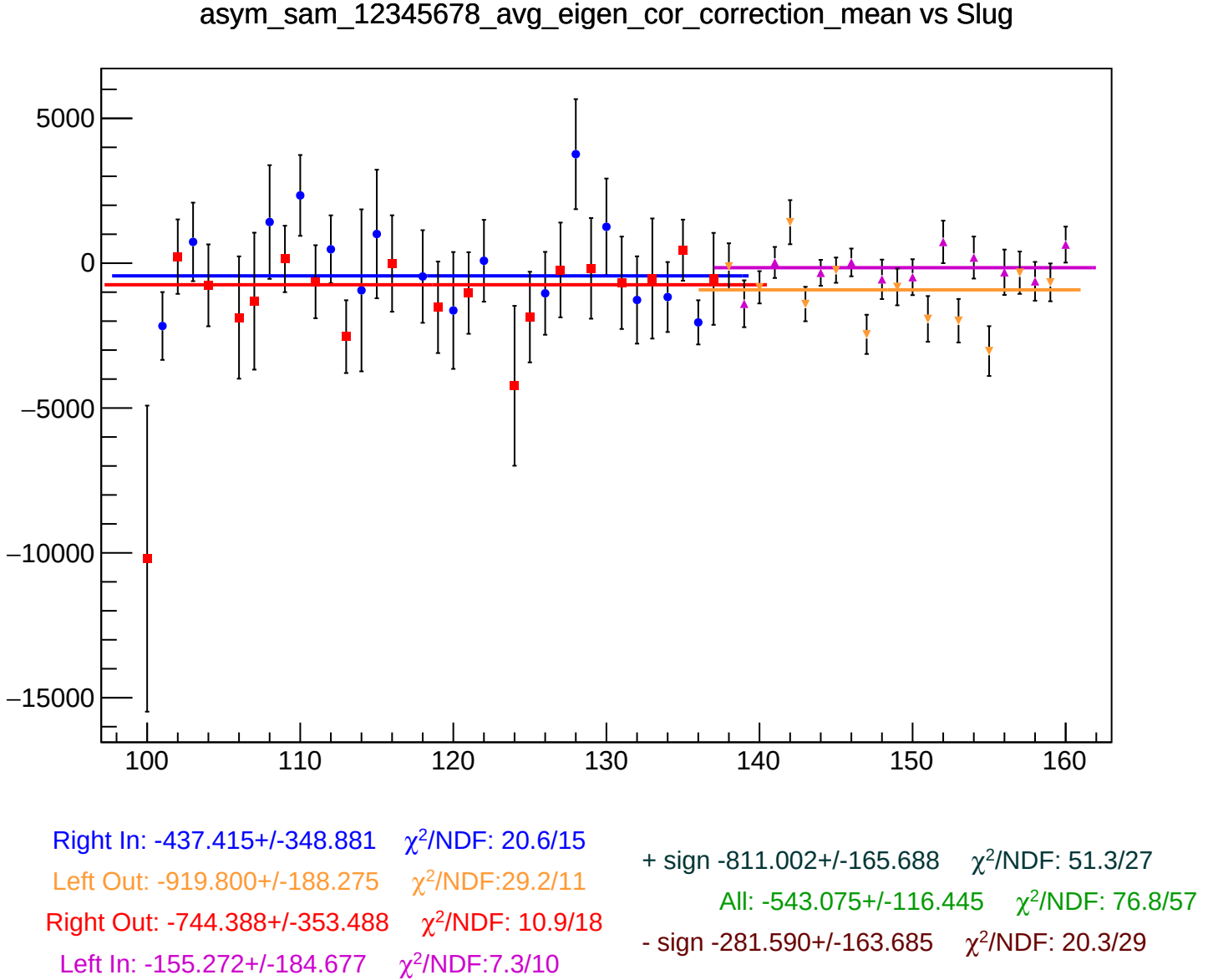
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

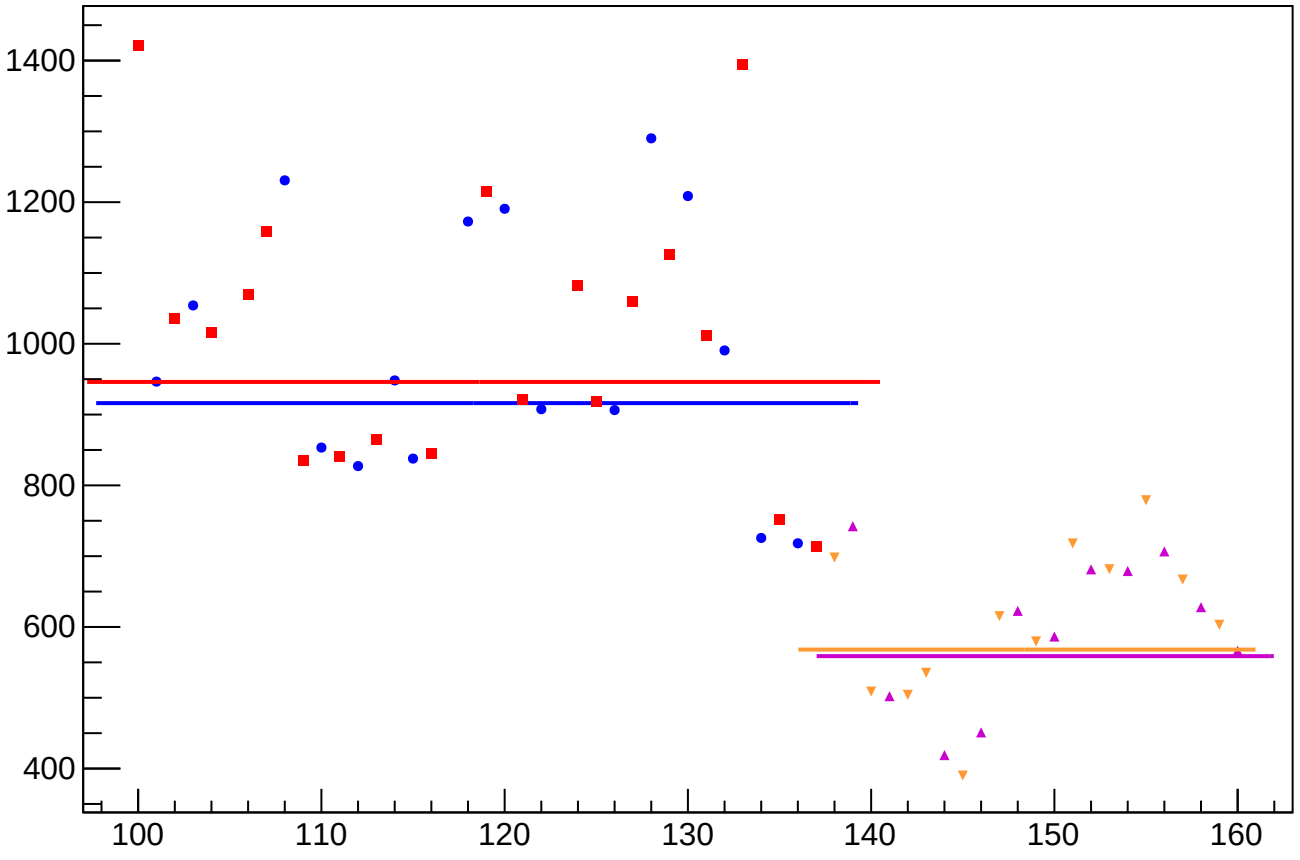
Left In: 60.562+/-0.014 χ^2/NDF:144459.8/10

\+ sign 63.660+/-0.011 χ^2/NDF: 738608.1/27

All: 63.733+/-0.008 χ^2/NDF: 1553399.1/57

\- sign 63.807+/-0.011 χ^2/NDF: 814704.4/29


asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -437.415+/-348.881 χ²/NDF: 20.6/15
Left Out: -919.800+/-188.275 χ²/NDF:29.2/11
Right Out: -744.388+/-353.488 χ²/NDF: 10.9/18
Left In: -155.272+/-184.677 χ²/NDF:7.3/10
+ sign -811.002+/-165.688 χ²/NDF: 51.3/27
All: -543.075+/-116.445 χ²/NDF: 76.8/57
- sign -281.590+/-163.685 χ²/NDF: 20.3/29



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 568.067+/-0.133 χ^2/NDF:719554.8/11

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

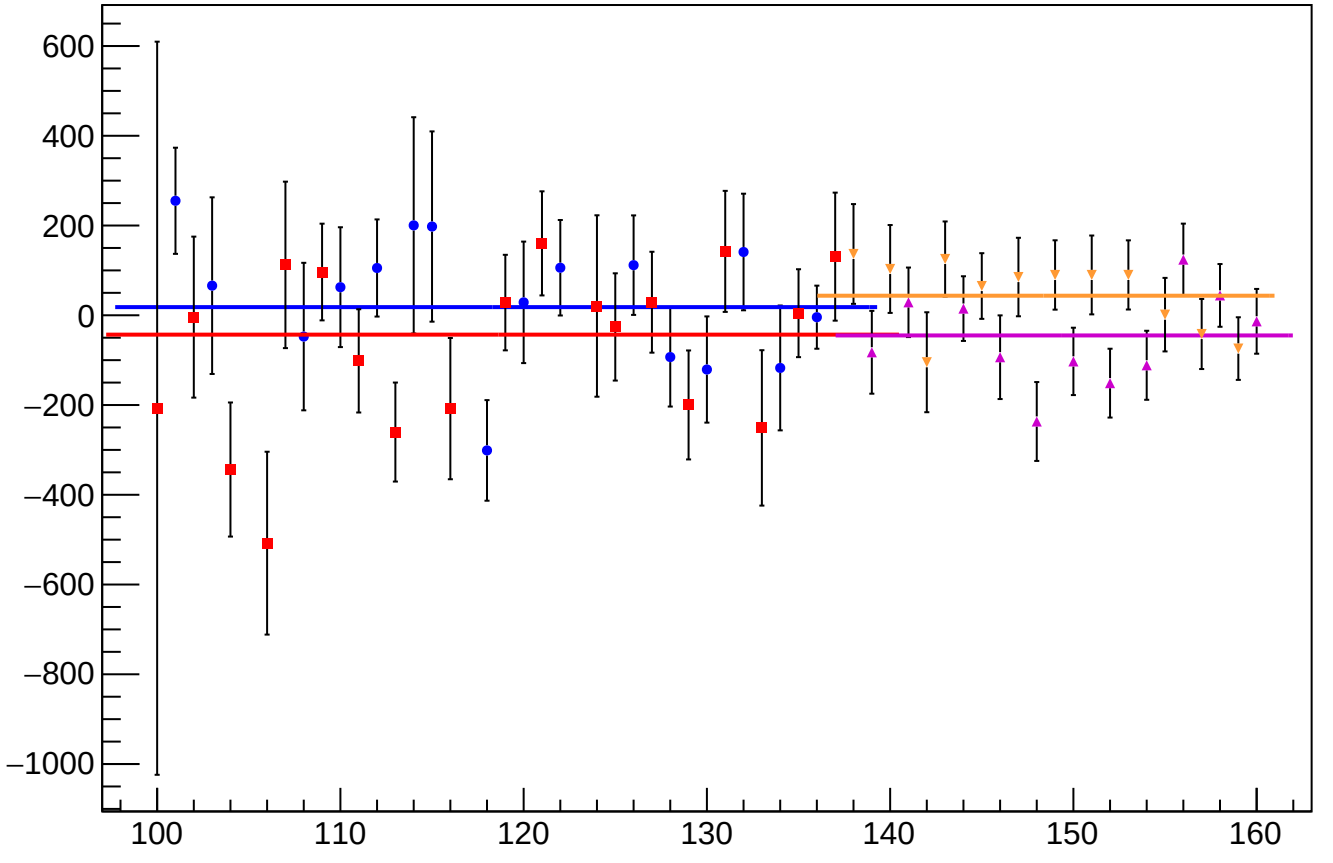
Left In: 558.796+/-0.131 χ^2/NDF:646459.8/10

+ sign 646.580+/-0.117 χ^2/NDF: 2770754.4/27

All: 644.181+/-0.082 χ^2/NDF: 5709521.0/57

- 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: 43.607+/-24.181 χ^2/NDF:9.4/11

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

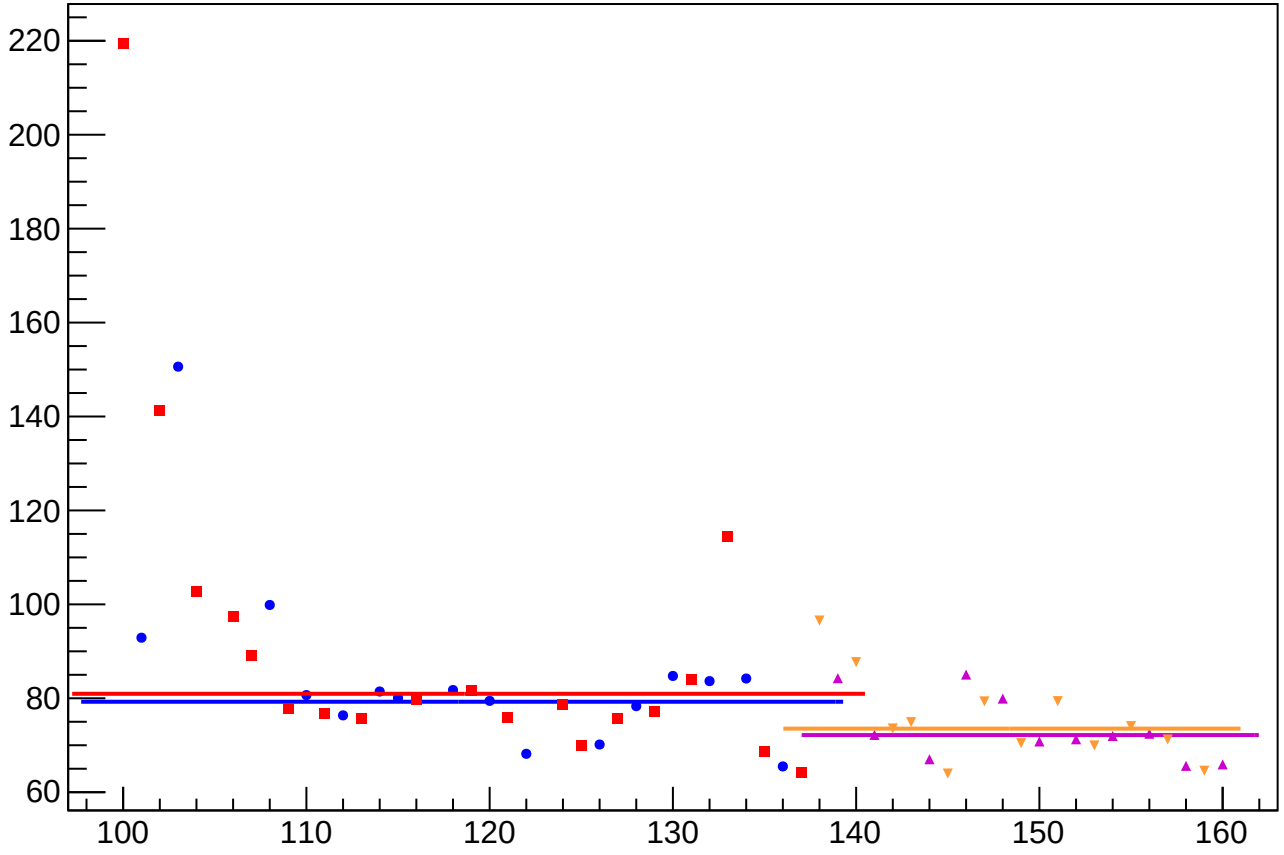
Left In: -44.928+/-23.636 χ^2/NDF:16.3/10

+ sign 33.730+/-18.911 χ^2/NDF: 30.0/27

All: -5.642+/-13.308 χ^2/NDF: 82.6/57

- 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: 73.541+/-0.017 χ^2/NDF:222271.9/11

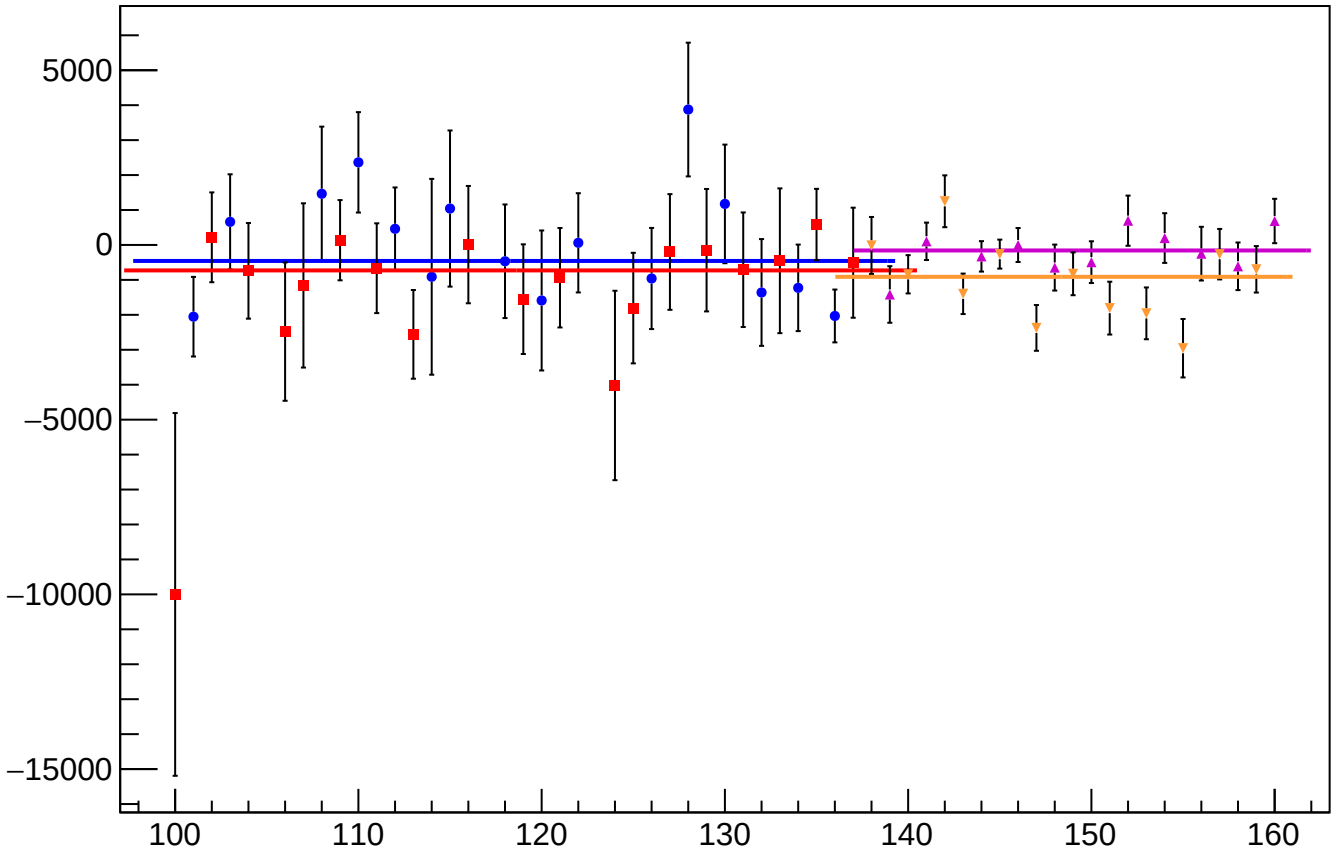
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.173+/-0.017 χ^2/NDF:131982.7/10

+ sign 75.763+/-0.013 χ^2/NDF: 710717.3/27

All: 75.601+/-0.009 χ^2/NDF: 1459982.3/57

- 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: -912.240+/-183.753 χ^2/NDF:28.2/11

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

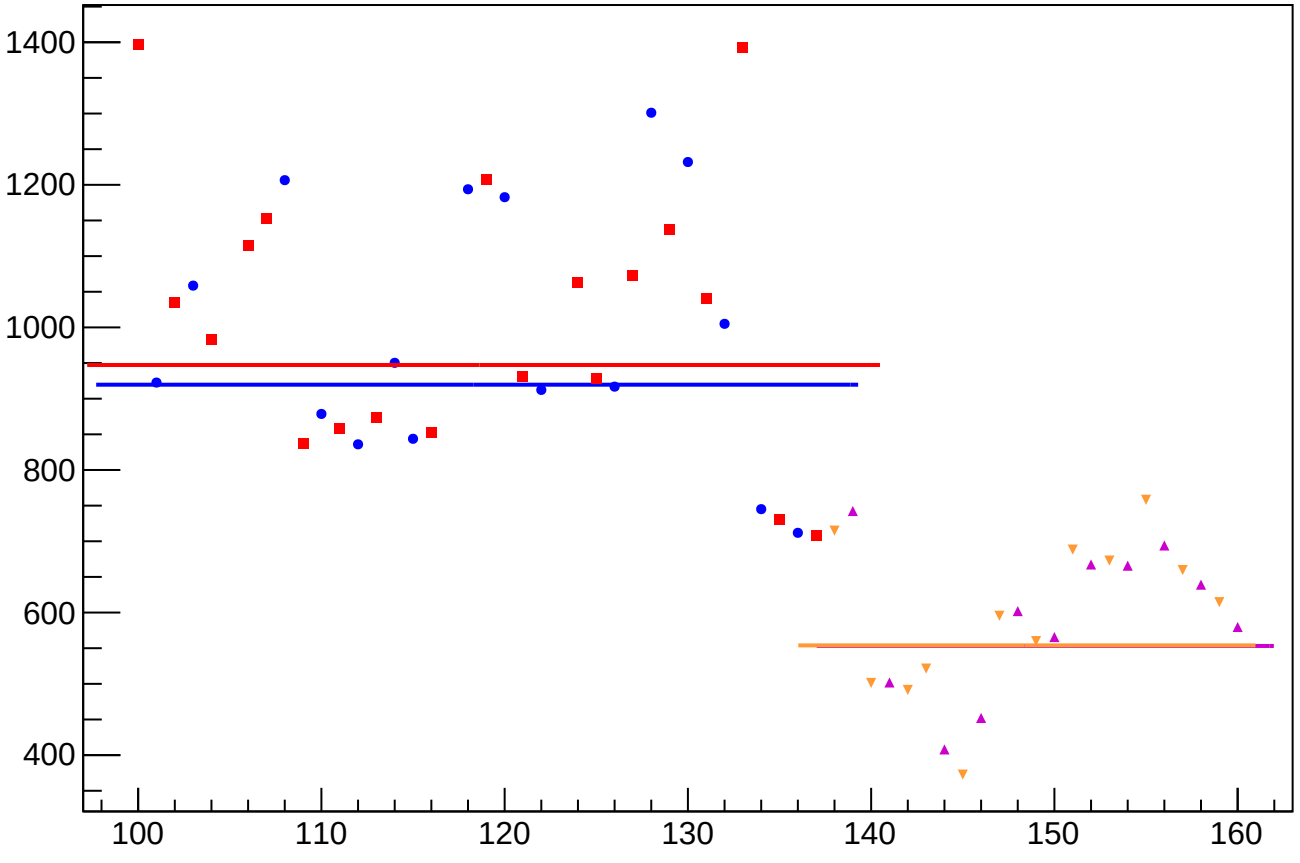
Left In: -157.811+/-182.940 χ^2/NDF:7.7/10

\+ sign -814.146+/-162.701 χ^2/NDF: 49.7/27

All: -546.007+/-114.934 χ^2/NDF: 76.4/57

\- 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: 553.933+/-0.130 χ^2/NDF:799985.6/11

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

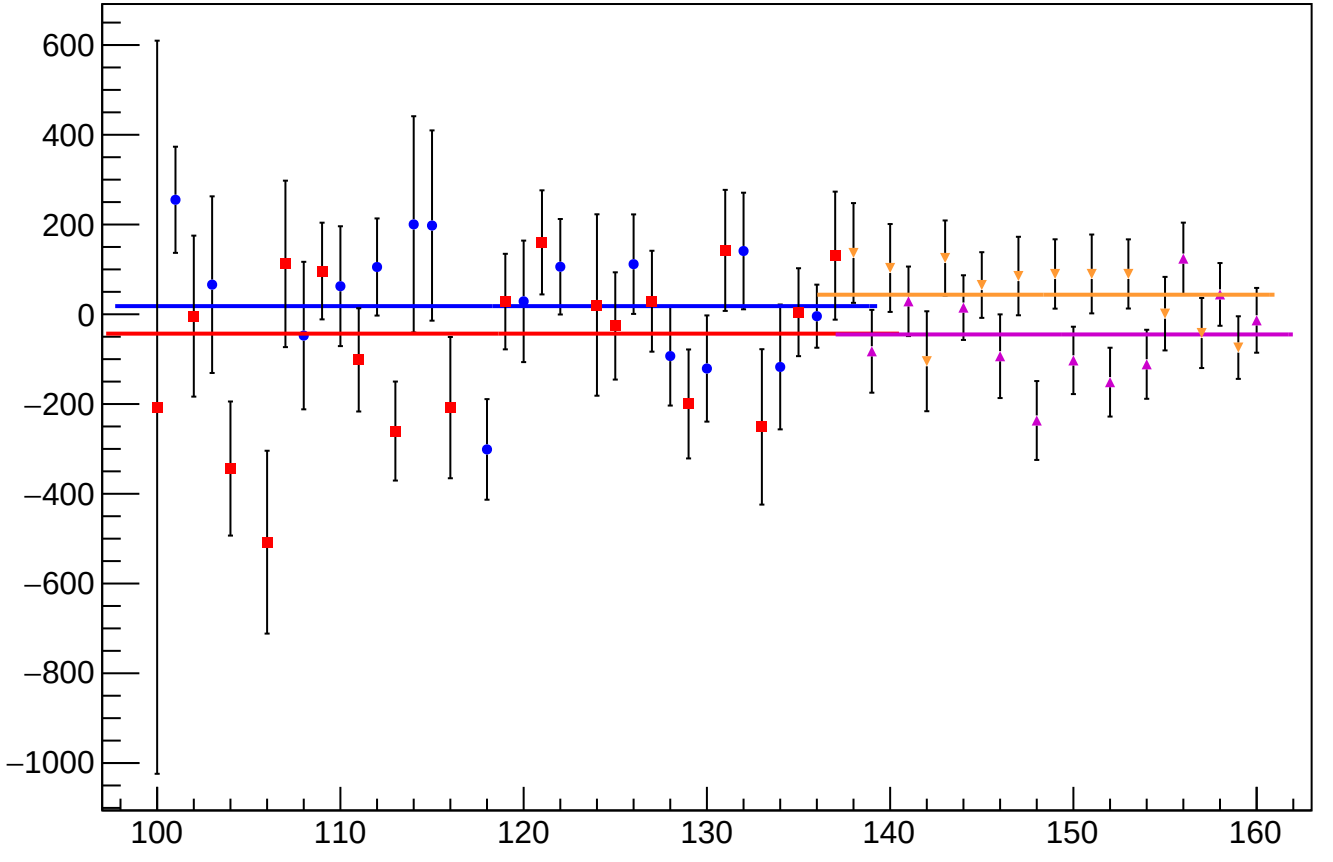
Left In: 553.141+/-0.129 χ^2/NDF:651665.4/10

+ sign 632.927+/-0.115 χ^2/NDF: 3026563.8/27

All: 634.839+/-0.081 χ^2/NDF: 6073466.4/57

- 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: 43.608+/-24.181 χ^2/NDF:9.4/11

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

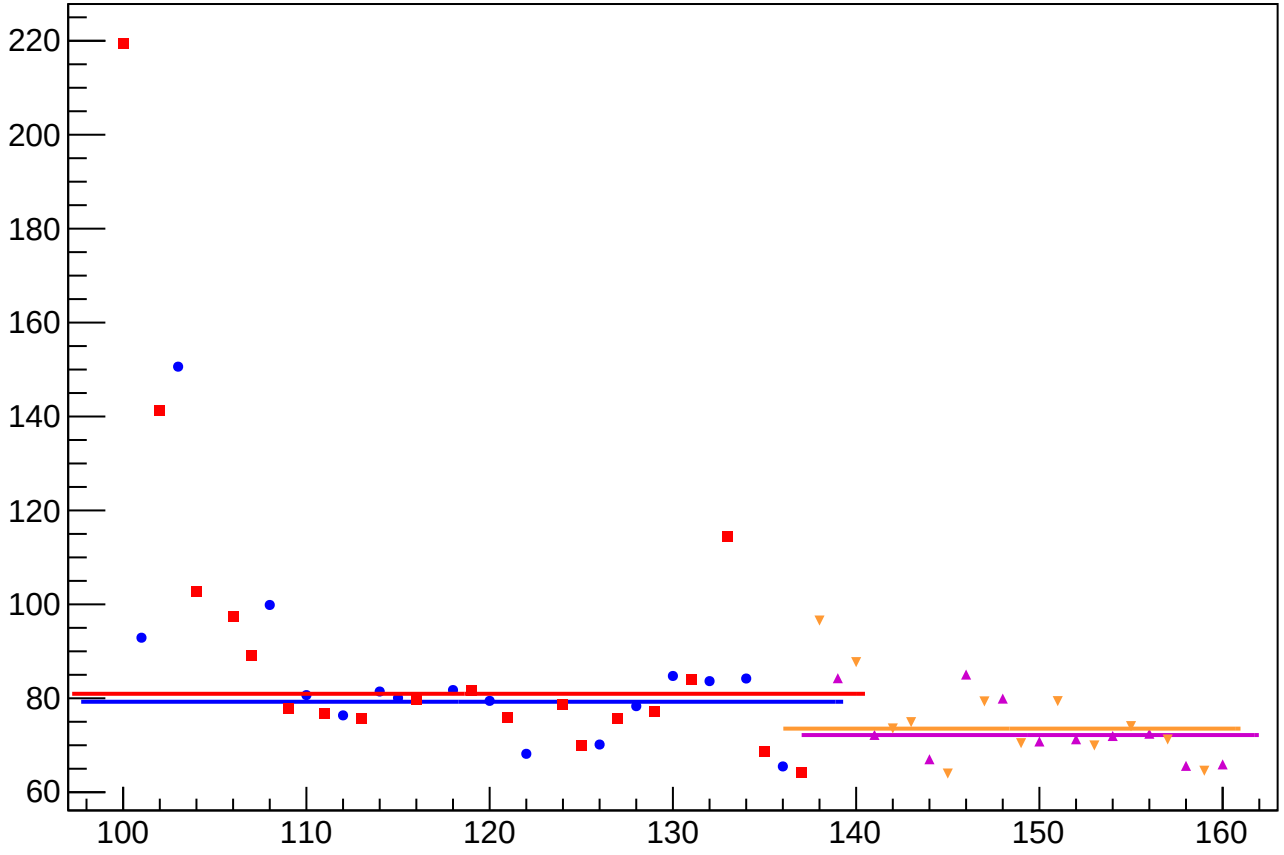
Left In: -44.927+/-23.636 χ^2/NDF:16.3/10

+ sign 33.731+/-18.911 χ^2/NDF: 30.0/27

All: -5.641+/-13.308 χ^2/NDF: 82.6/57

- 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: 73.541+/-0.017 χ^2/NDF:222269.1/11

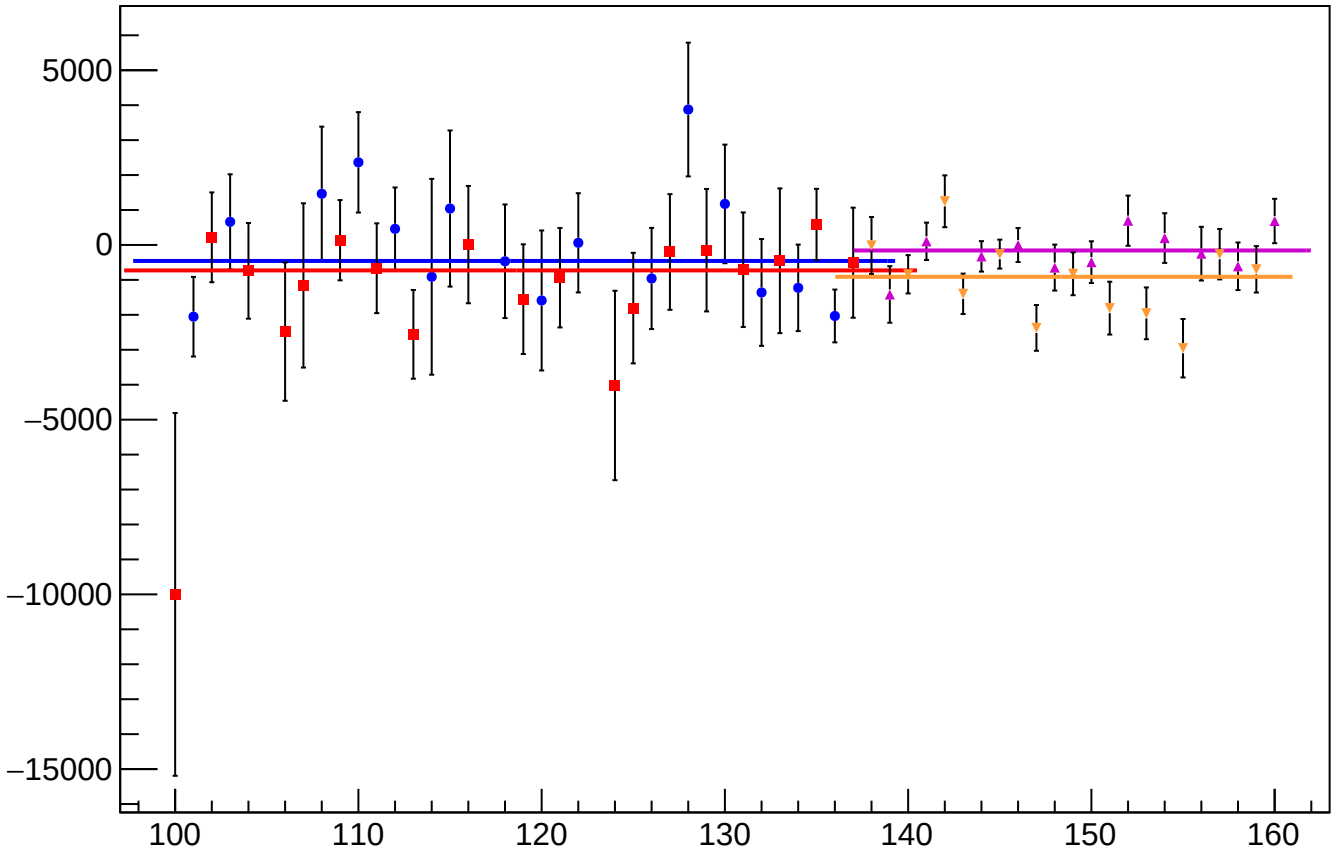
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.173+/-0.017 χ^2/NDF:131986.5/10

\+ sign 75.763+/-0.013 χ^2/NDF: 710703.2/27

All: 75.601+/-0.009 χ^2/NDF: 1459970.8/57

\- 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: -912.239+/-183.752 χ^2/NDF:28.2/11

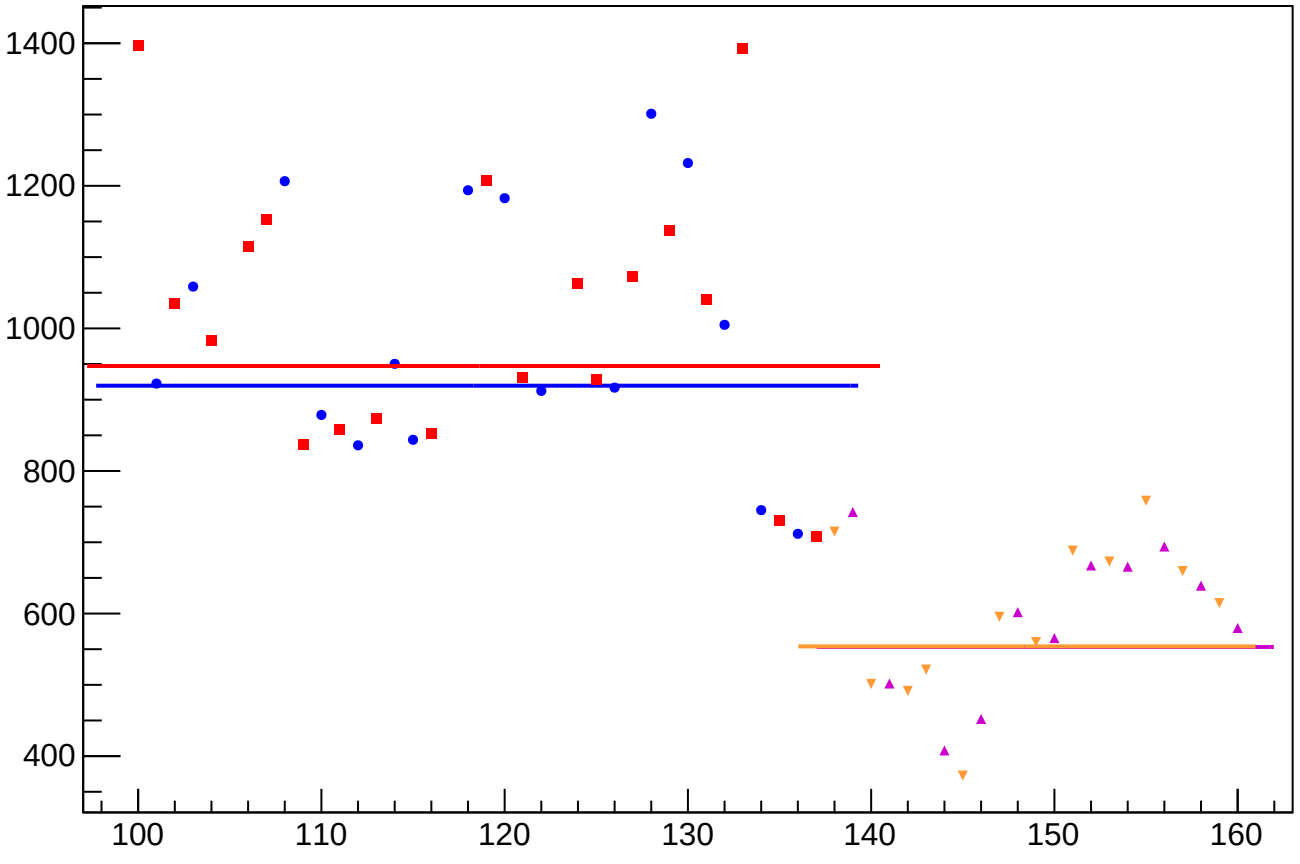
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -157.810+/-182.940 χ^2/NDF:7.7/10

\+ sign -814.145+/-162.701 χ^2/NDF: 49.7/27

All: -546.006+/-114.934 χ^2/NDF: 76.4/57

\- 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: 553.932+/-0.130 χ^2/NDF:799989.7/11

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

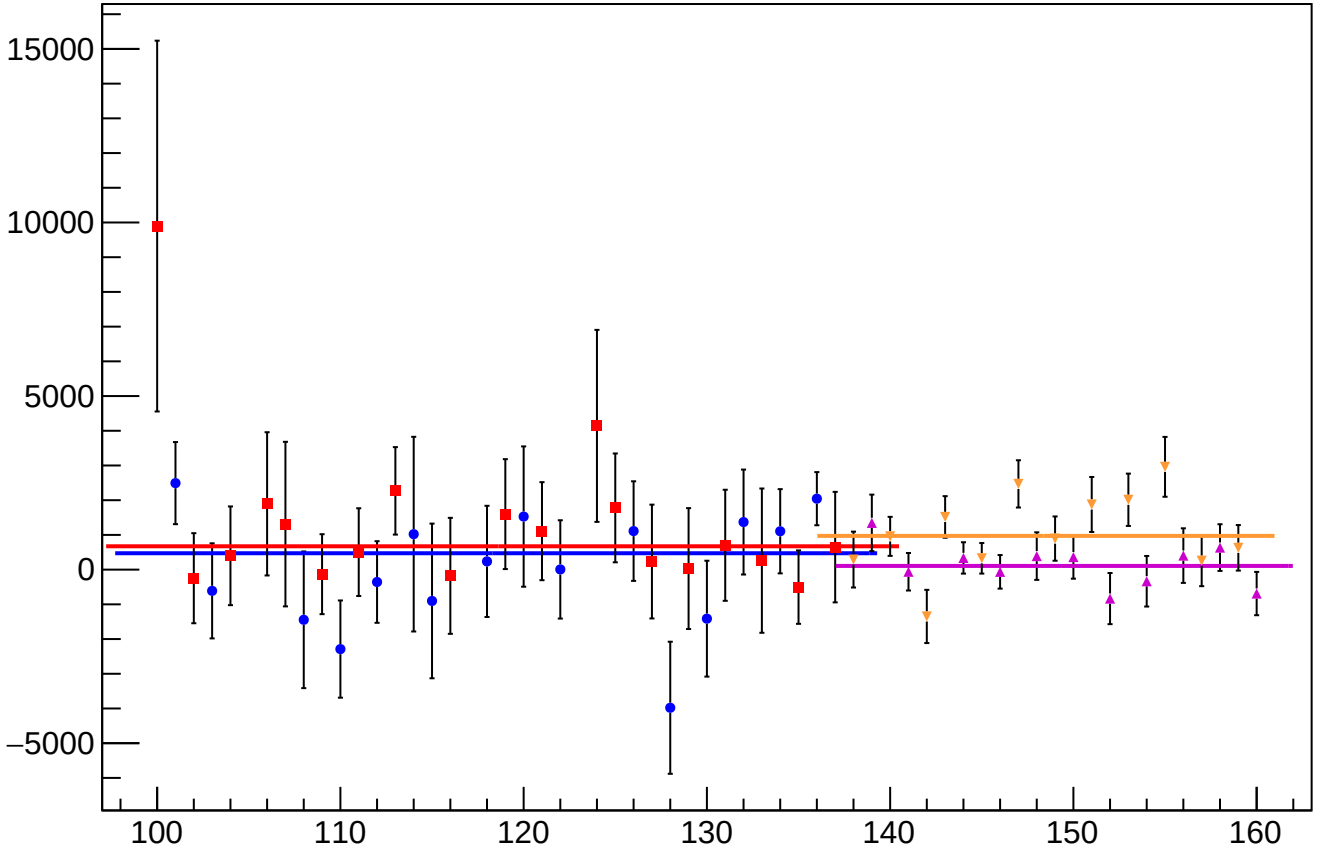
Left In: 553.140+/-0.129 χ^2/NDF:651664.2/10

+ sign 632.926+/-0.115 χ^2/NDF: 3026565.0/27

All: 634.838+/-0.081 χ^2/NDF: 6073460.9/57

- 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: 972.151+/-189.459 χ^2/NDF:27.5/11

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

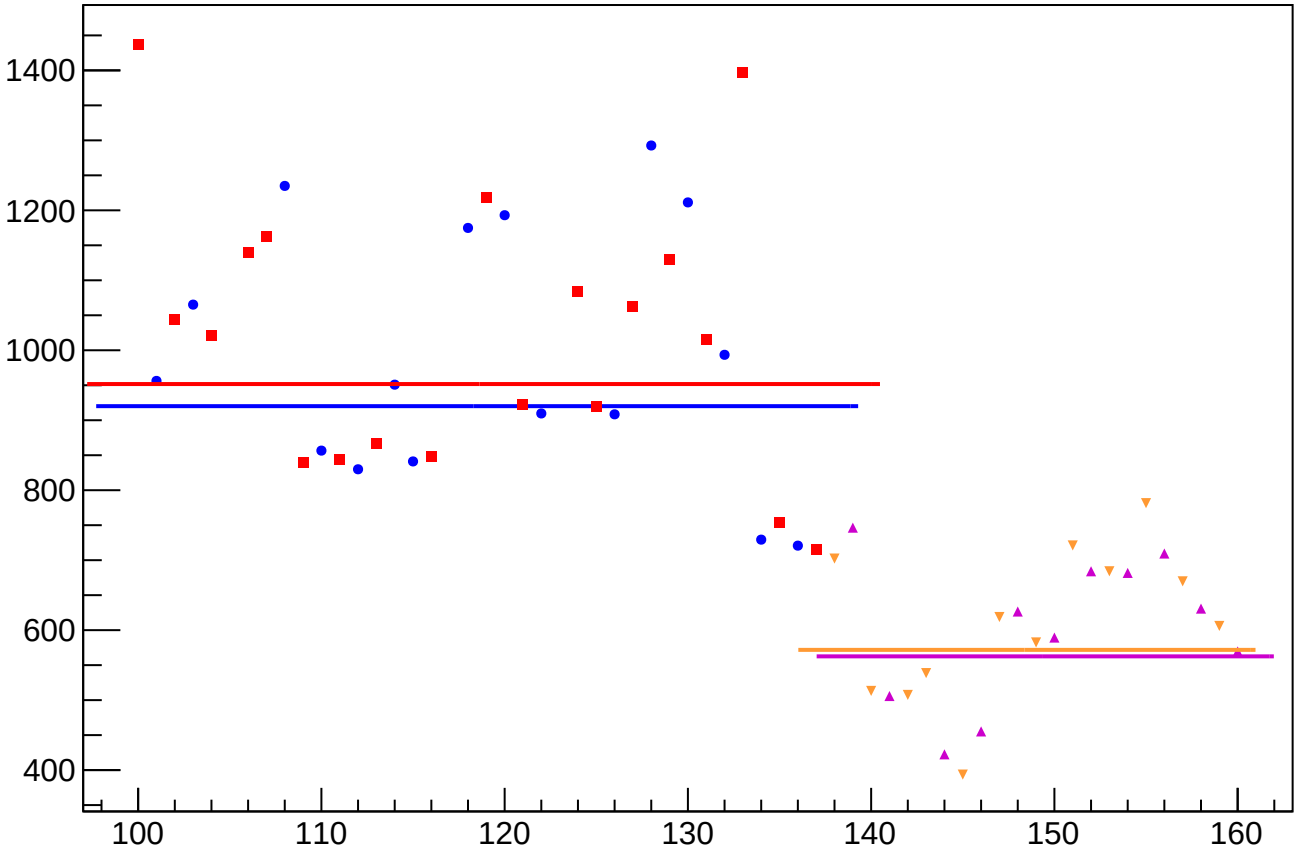
Left In: 106.696+/-185.855 χ^2/NDF:7.5/10

\+ sign 858.999+/-166.655 χ^2/NDF: 50.5/27

All: 539.943+/-117.112 χ^2/NDF: 77.6/57

\- 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: 571.832+/-0.134 χ^2/NDF:707285.6/11

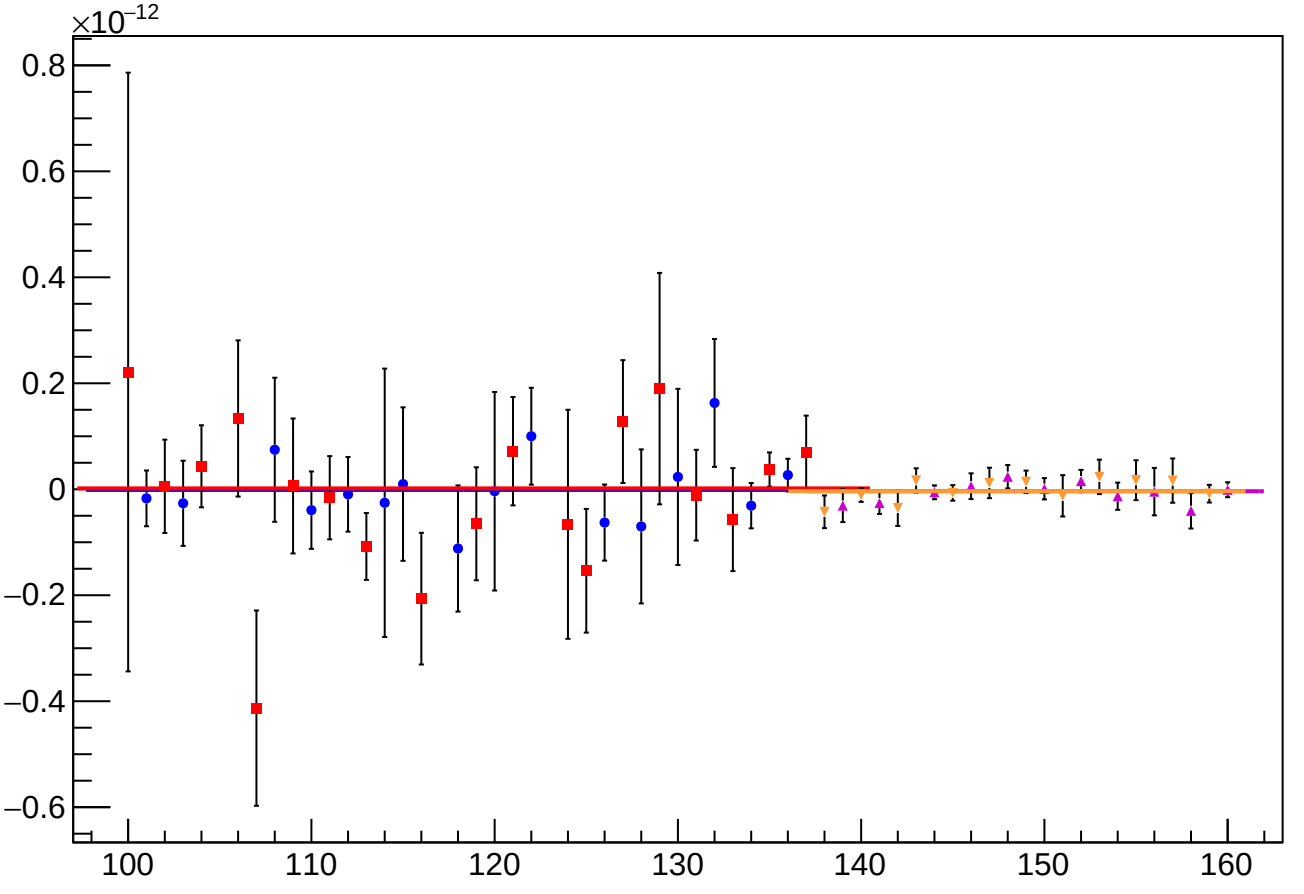
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 562.548+/-0.131 χ^2/NDF:635066.0/10

+ sign 650.630+/-0.118 χ^2/NDF: 2745139.3/27

All: 648.515+/-0.083 χ^2/NDF: 5687594.3/57

- 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:6.0/11

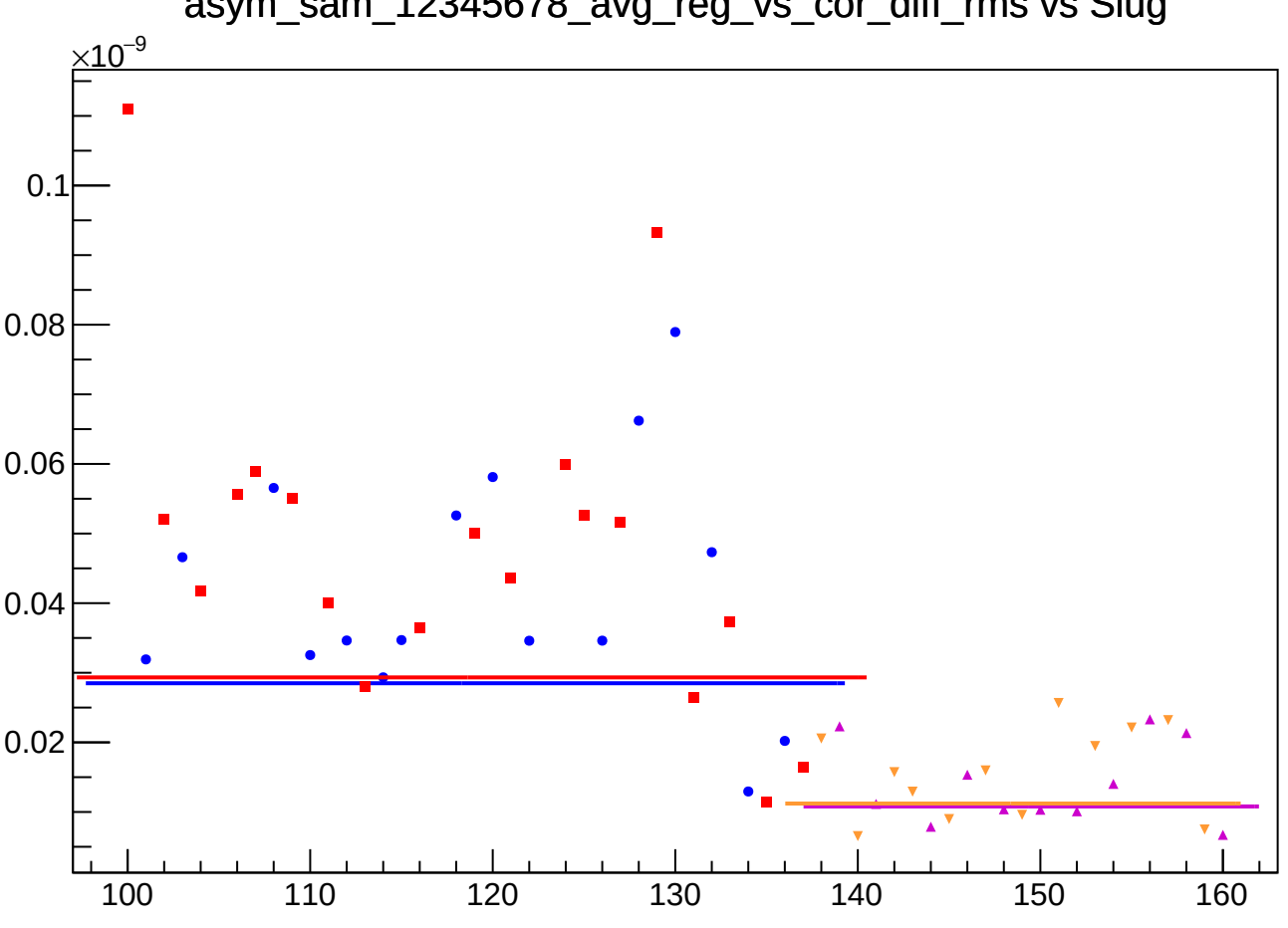
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.9/10

+ sign -0.000+/-0.000 χ^2/NDF: 13.0/27

All: -0.000+/-0.000 χ^2/NDF: 38.5/57

- 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:1434878.2/11

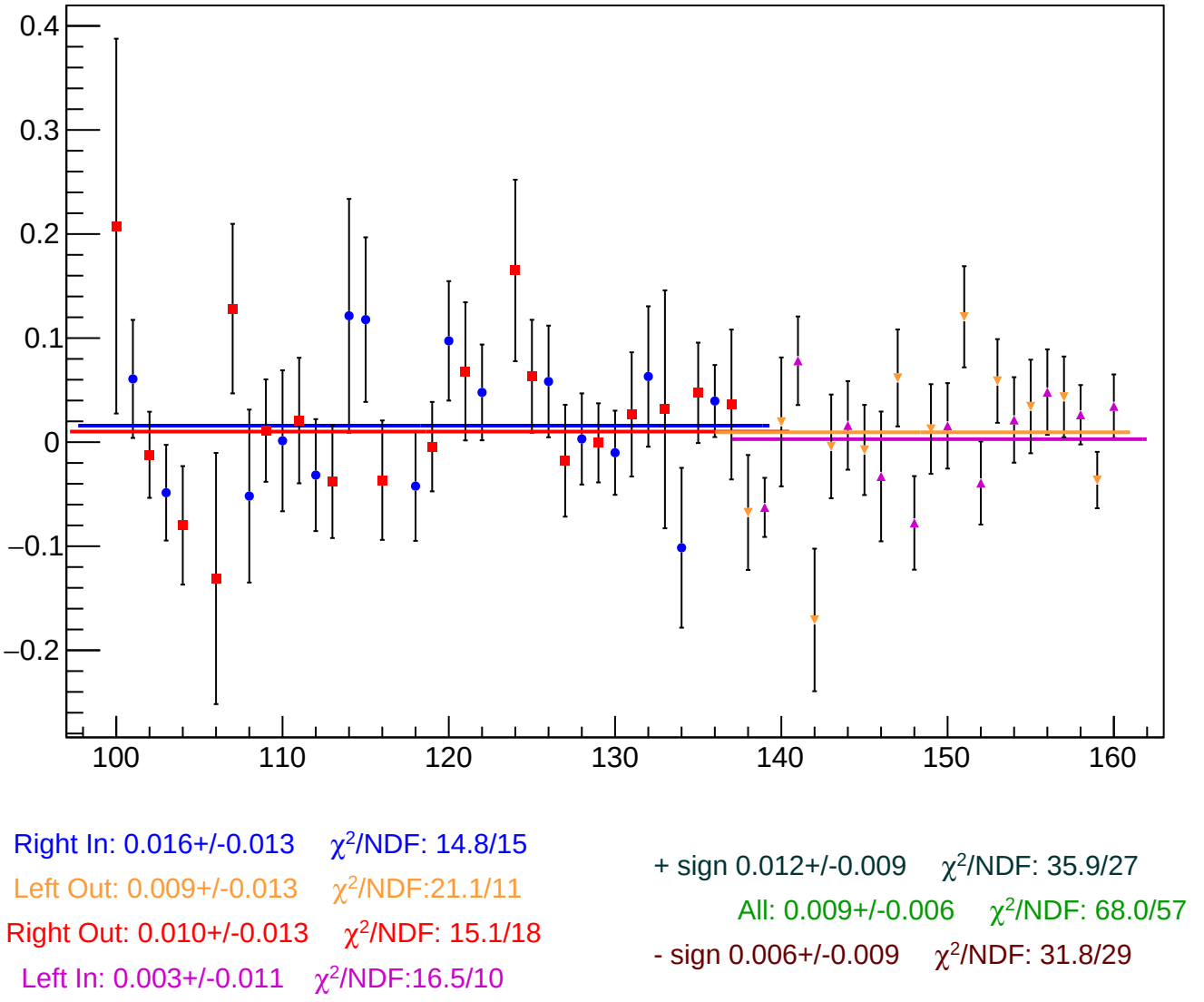
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

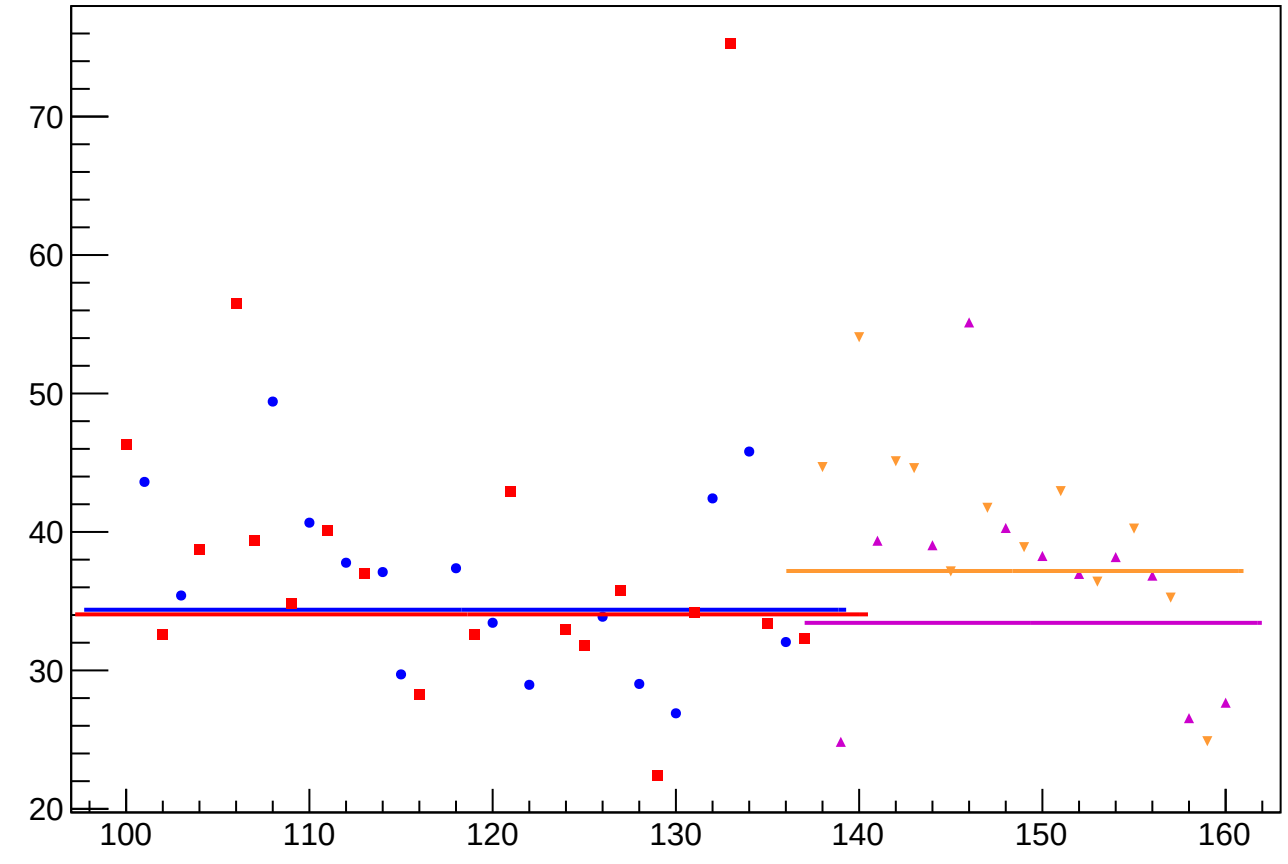
Left In: 0.000+/-0.000 χ^2/NDF:1004452.4/10

+ sign 0.000+/-0.000 χ^2/NDF: 4270610.9/27

All: 0.000+/-0.000 χ^2/NDF: 8610172.4/57

- 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: 0.009+/-0.013 χ²/NDF:21.1/11
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.003+/-0.011 χ²/NDF:16.5/10
+ sign 0.012+/-0.009 χ²/NDF: 35.9/27
All: 0.009+/-0.006 χ²/NDF: 68.0/57
- sign 0.006+/-0.009 χ²/NDF: 31.8/29



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.180+/-0.009 χ^2/NDF:734047.0/11

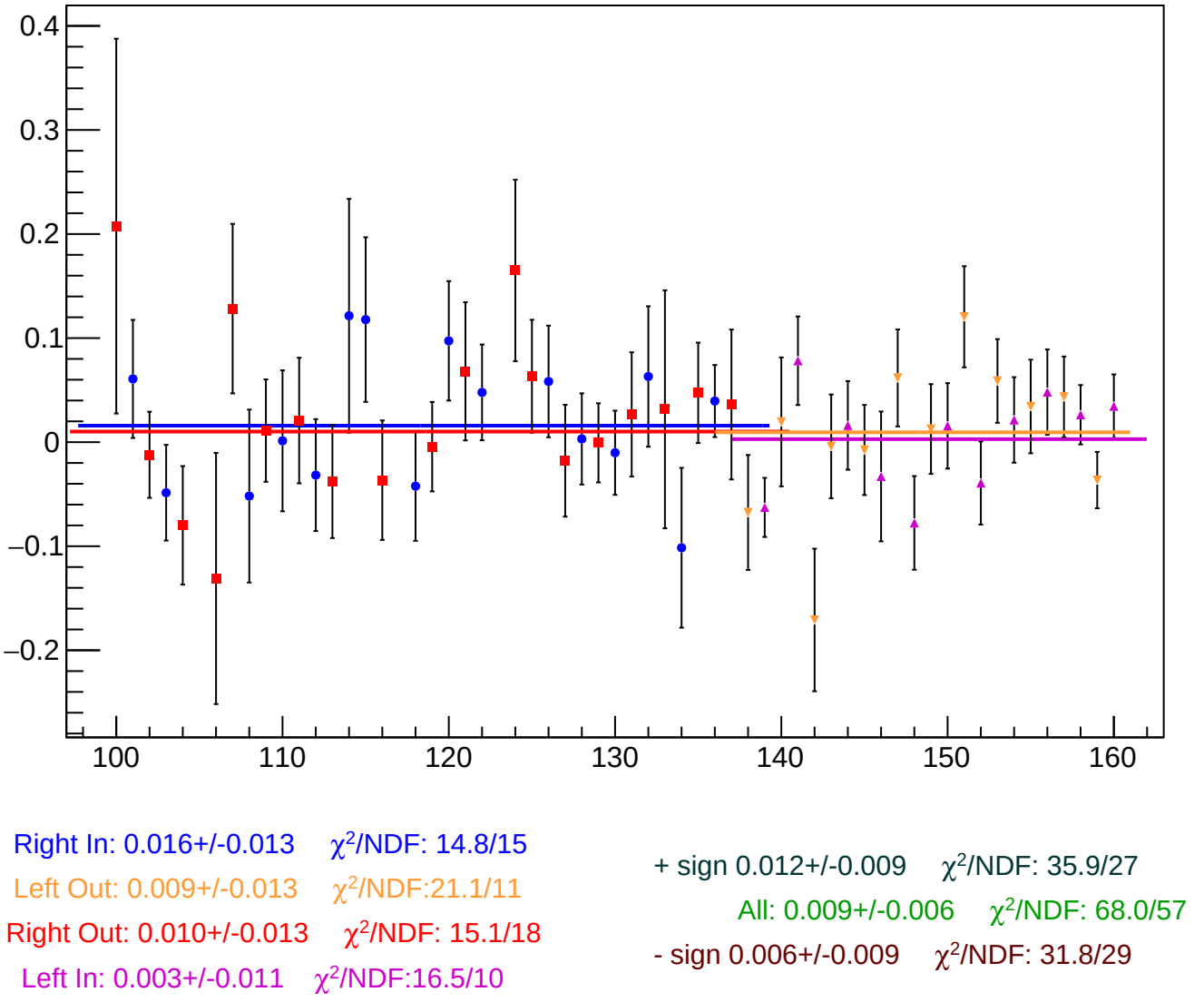
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

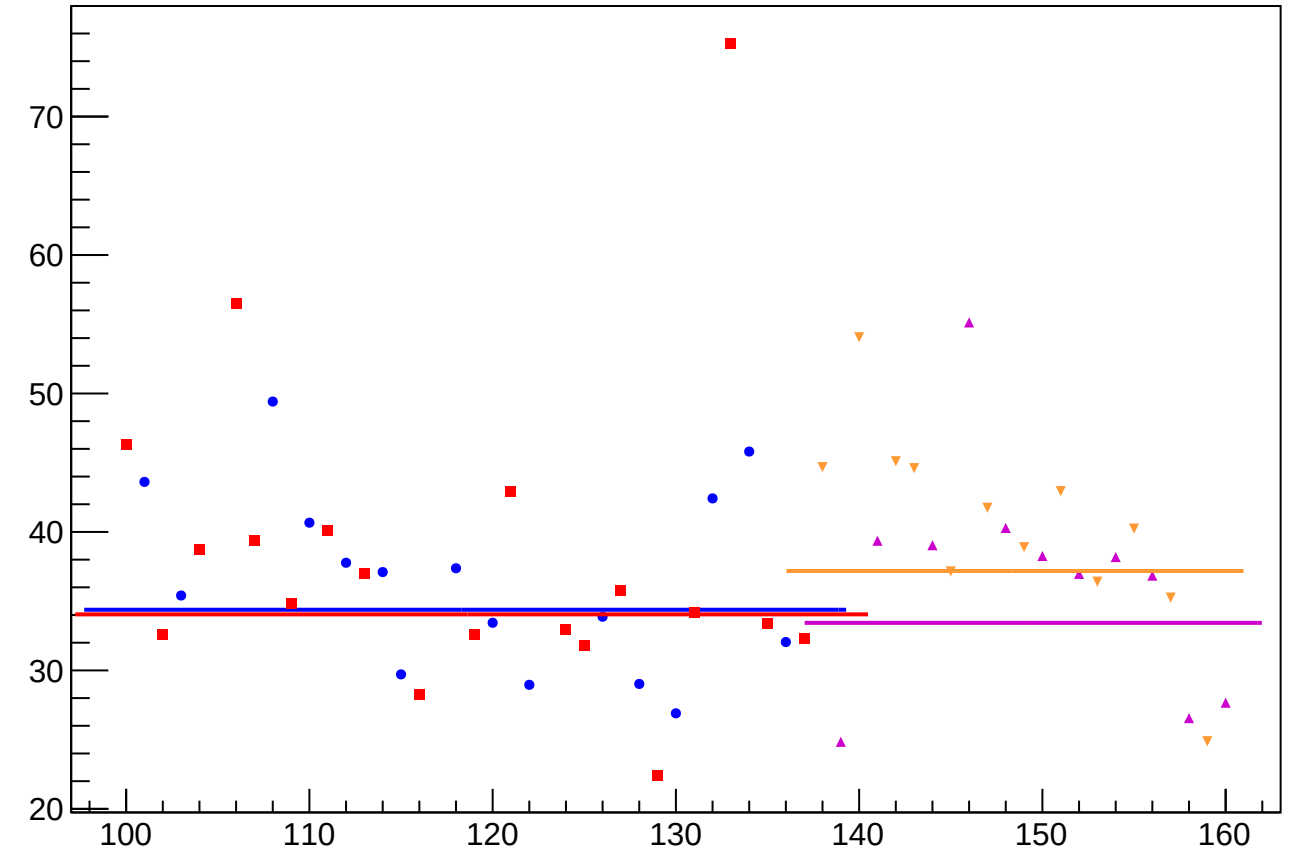
Left In: 33.435+/-0.008 χ^2/NDF:816412.0/10

+ sign 35.867+/-0.006 χ^2/NDF: 1148248.3/27

All: 34.710+/-0.004 χ^2/NDF: 2669514.4/57

- sign 33.694+/-0.006 χ^2/NDF: 1461586.1/29


asym_sam_12345678_avg_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: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.009+/-0.013 χ²/NDF:21.1/11
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.003+/-0.011 χ²/NDF:16.5/10
+ sign 0.012+/-0.009 χ²/NDF: 35.9/27
All: 0.009+/-0.006 χ²/NDF: 68.0/57
- sign 0.006+/-0.009 χ²/NDF: 31.8/29



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 37.180+/-0.009 χ^2/NDF:734047.0/11

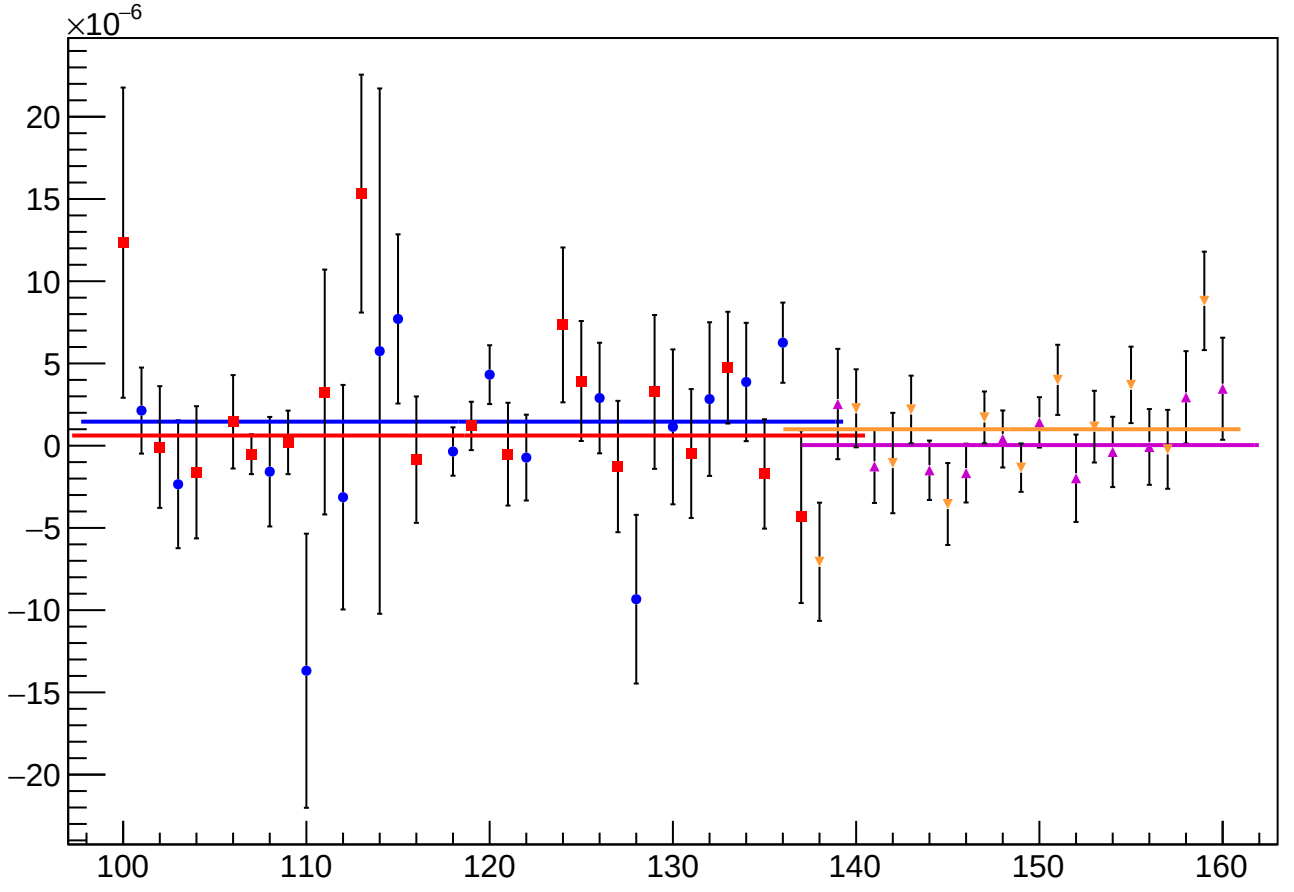
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.435+/-0.008 χ^2/NDF:816412.0/10

+ sign 35.867+/-0.006 χ^2/NDF: 1148248.3/27

All: 34.710+/-0.004 χ^2/NDF: 2669514.4/57

- 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:22.6/11

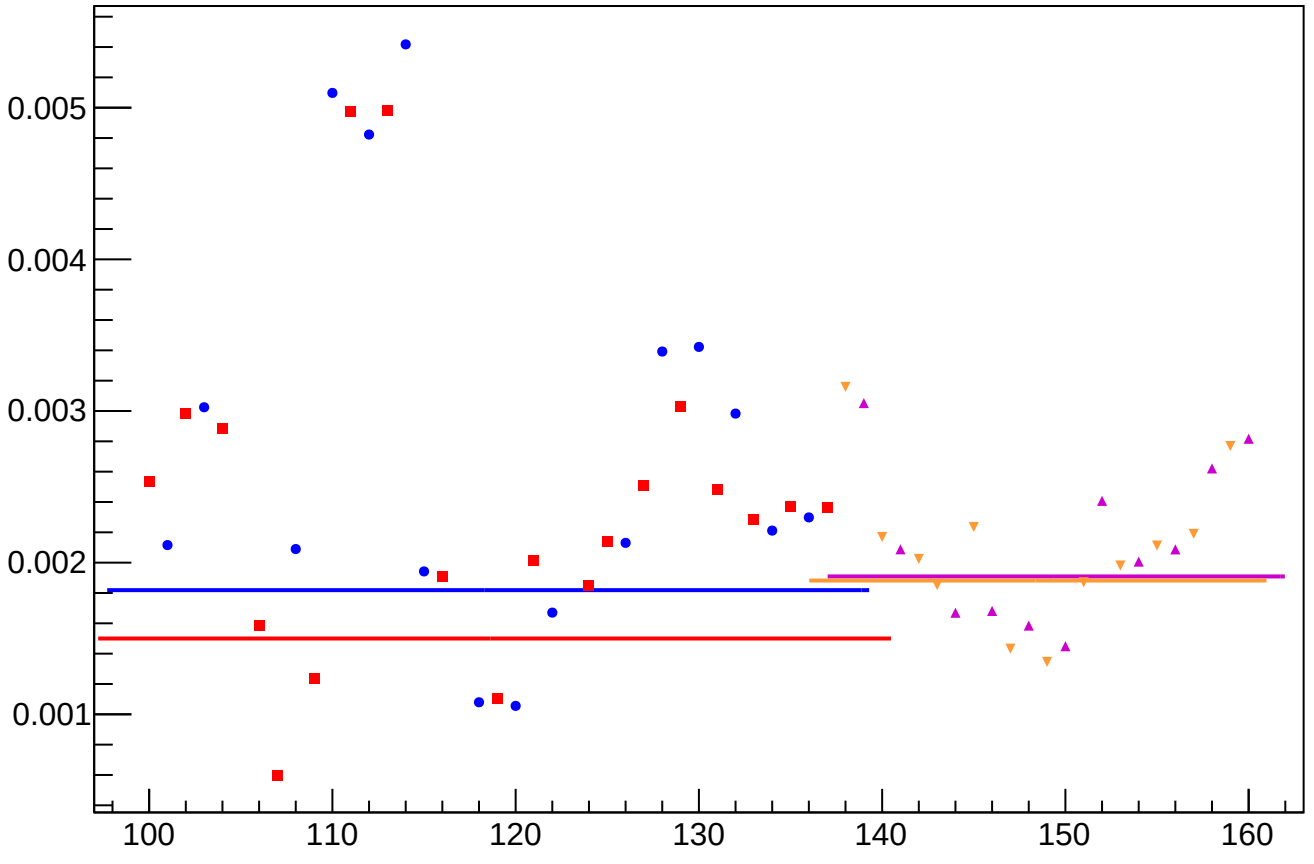
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/10

+ sign 0.000+/-0.000 χ^2/NDF: 43.7/27

All: 0.000+/-0.000 χ^2/NDF: 66.1/57

- 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:987217.7/11

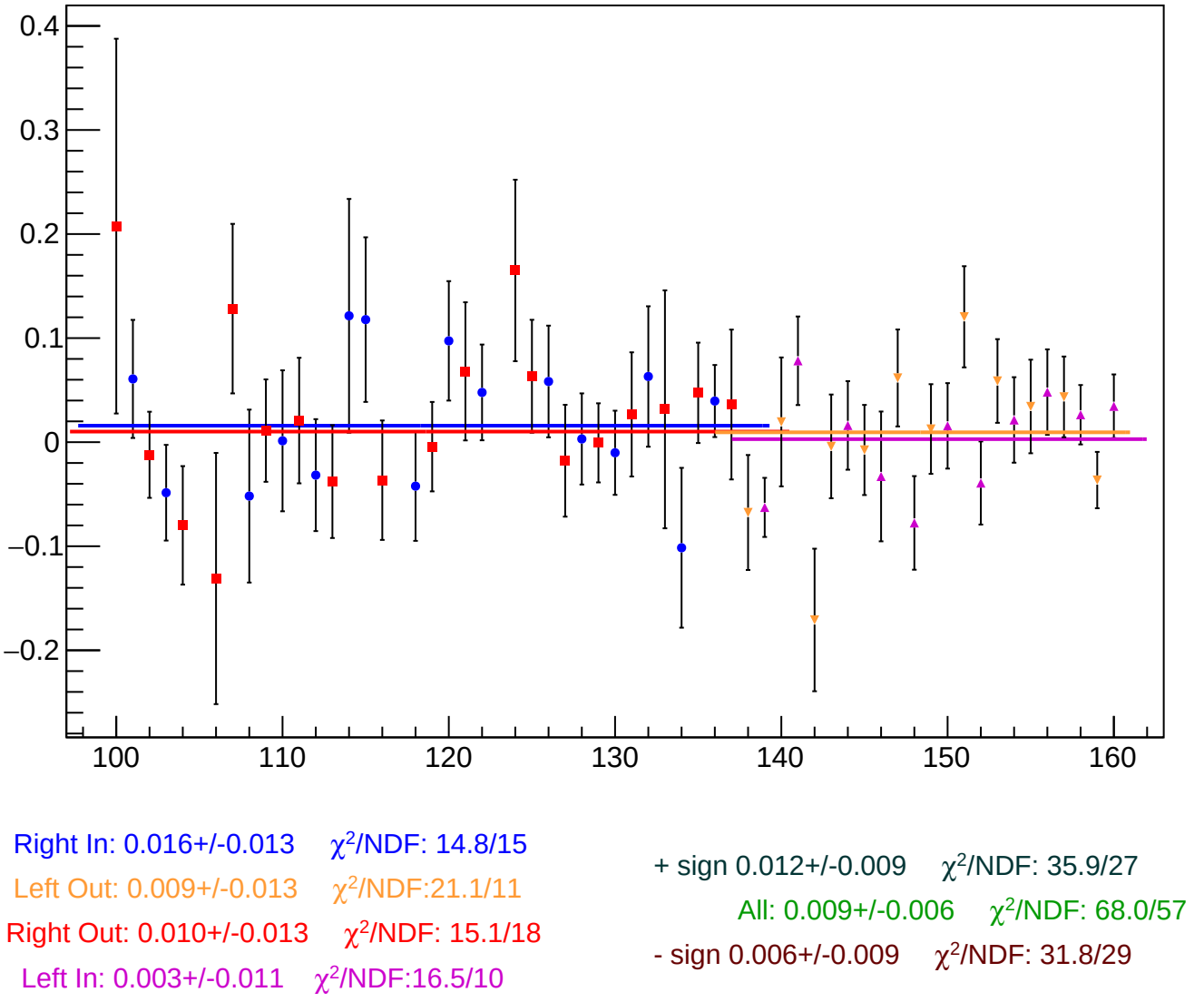
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

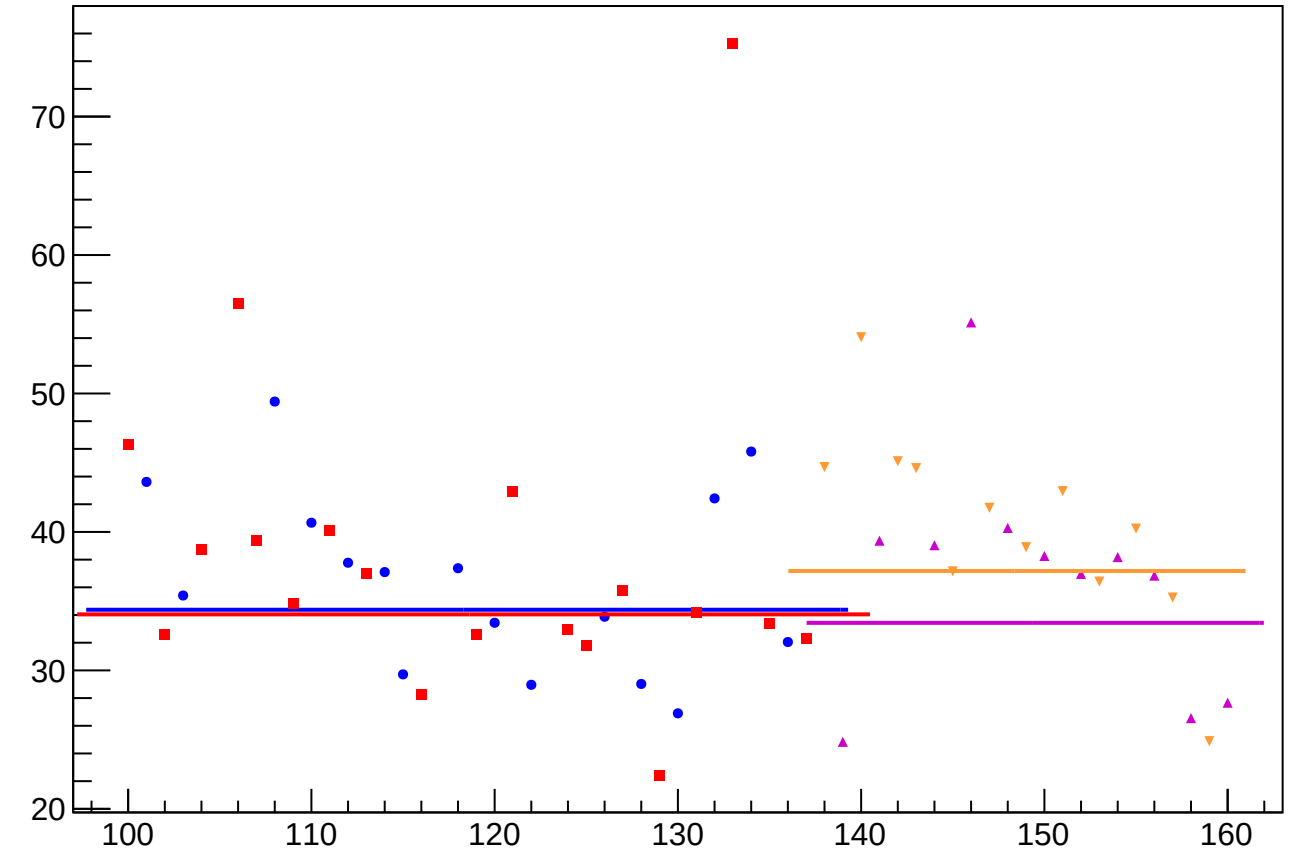
Left In: 0.002+/-0.000 χ^2/NDF:949749.4/10

+ sign 0.002+/-0.000 χ^2/NDF: 3565835.2/27

All: 0.002+/-0.000 χ^2/NDF: 8711858.2/57

- sign 0.002+/-0.000 χ^2/NDF: 5044619.2/29


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.009+/-0.013 χ²/NDF:21.1/11
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.003+/-0.011 χ²/NDF:16.5/10
+ sign 0.012+/-0.009 χ²/NDF: 35.9/27
All: 0.009+/-0.006 χ²/NDF: 68.0/57
- sign 0.006+/-0.009 χ²/NDF: 31.8/29



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 37.181+/-0.009 χ^2/NDF:734103.5/11

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

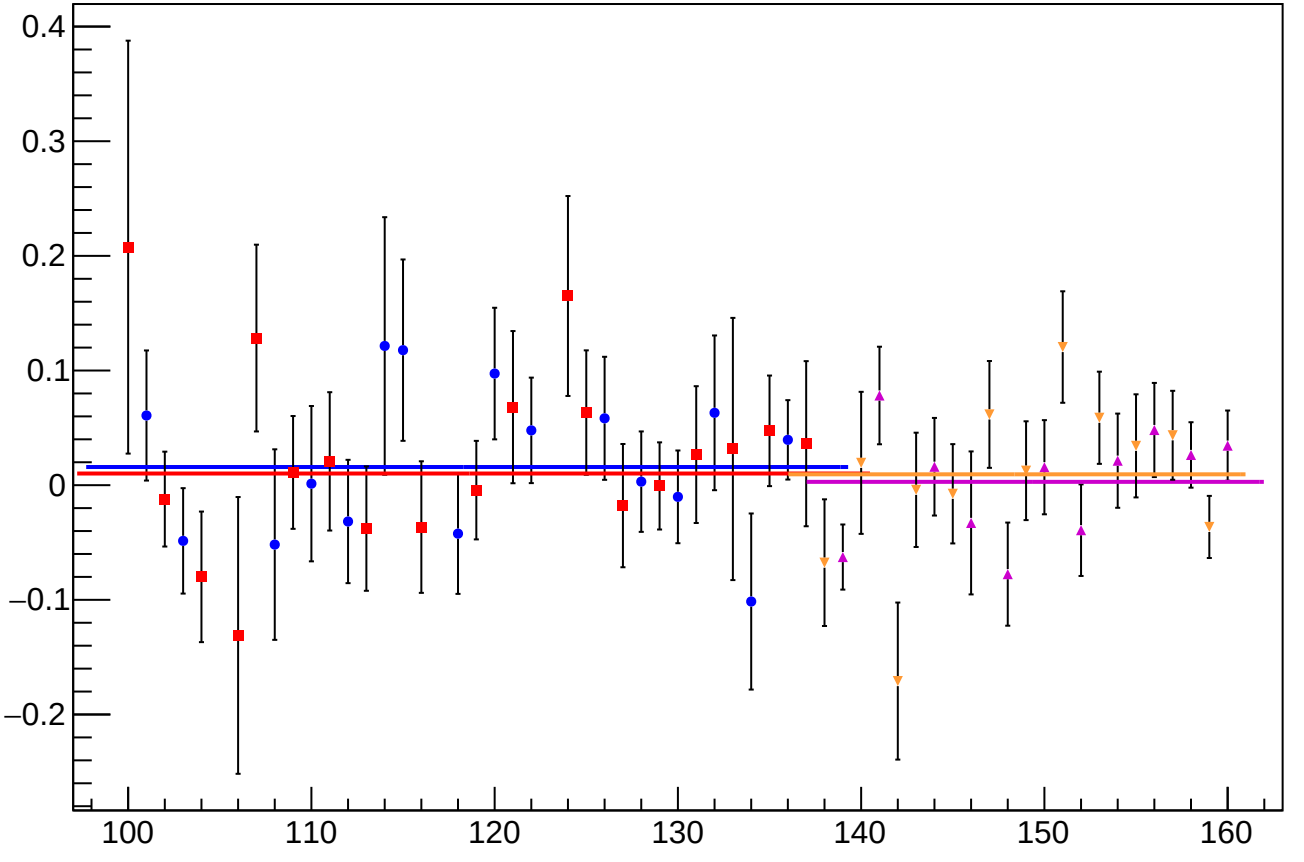
Left In: 33.435+/-0.008 χ^2/NDF:816475.0/10

+ sign 35.867+/-0.006 χ^2/NDF: 1148397.2/27

All: 34.710+/-0.004 χ^2/NDF: 2669758.4/57

- 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: 0.009+/-0.013 χ^2/NDF:21.1/11

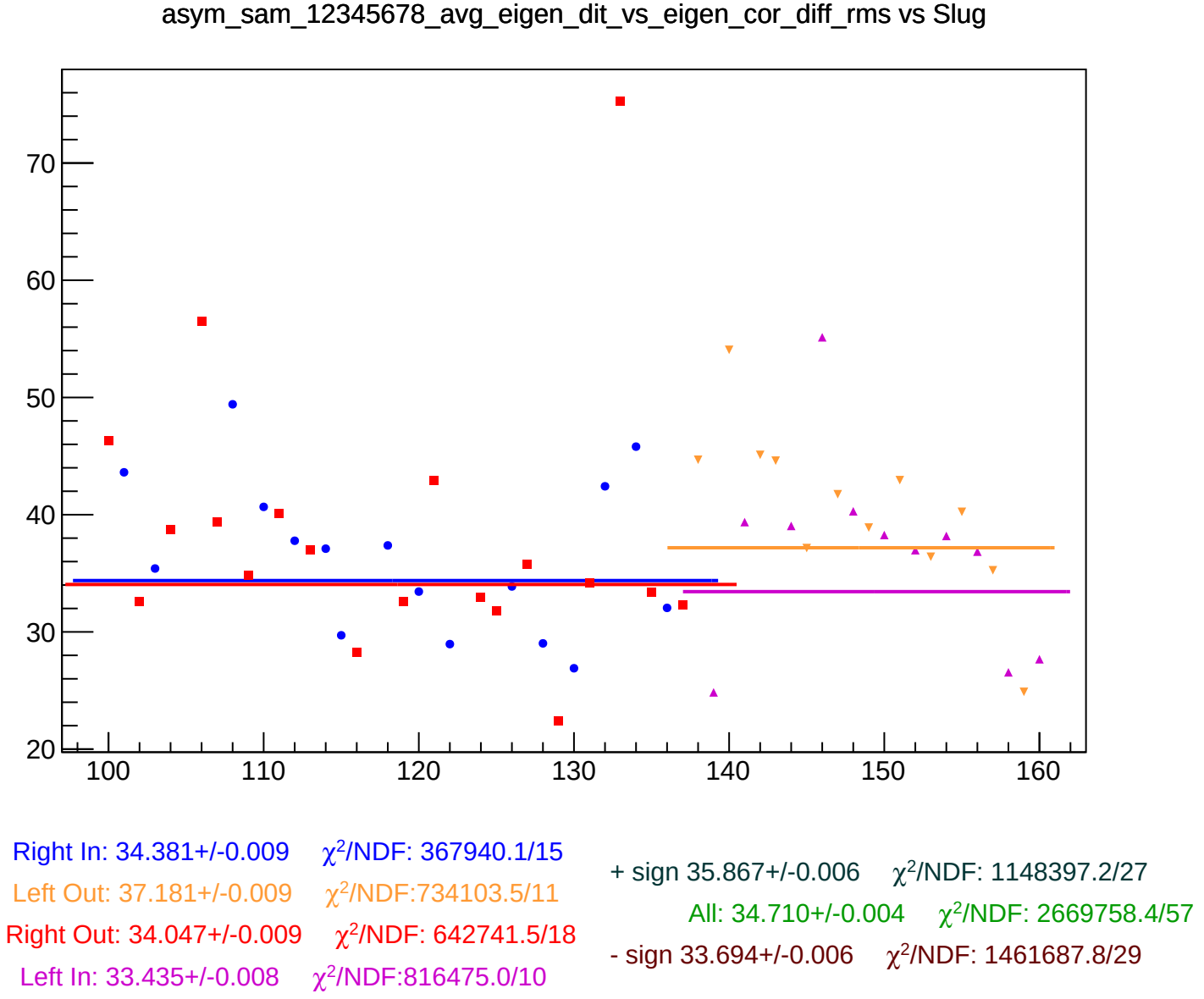
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

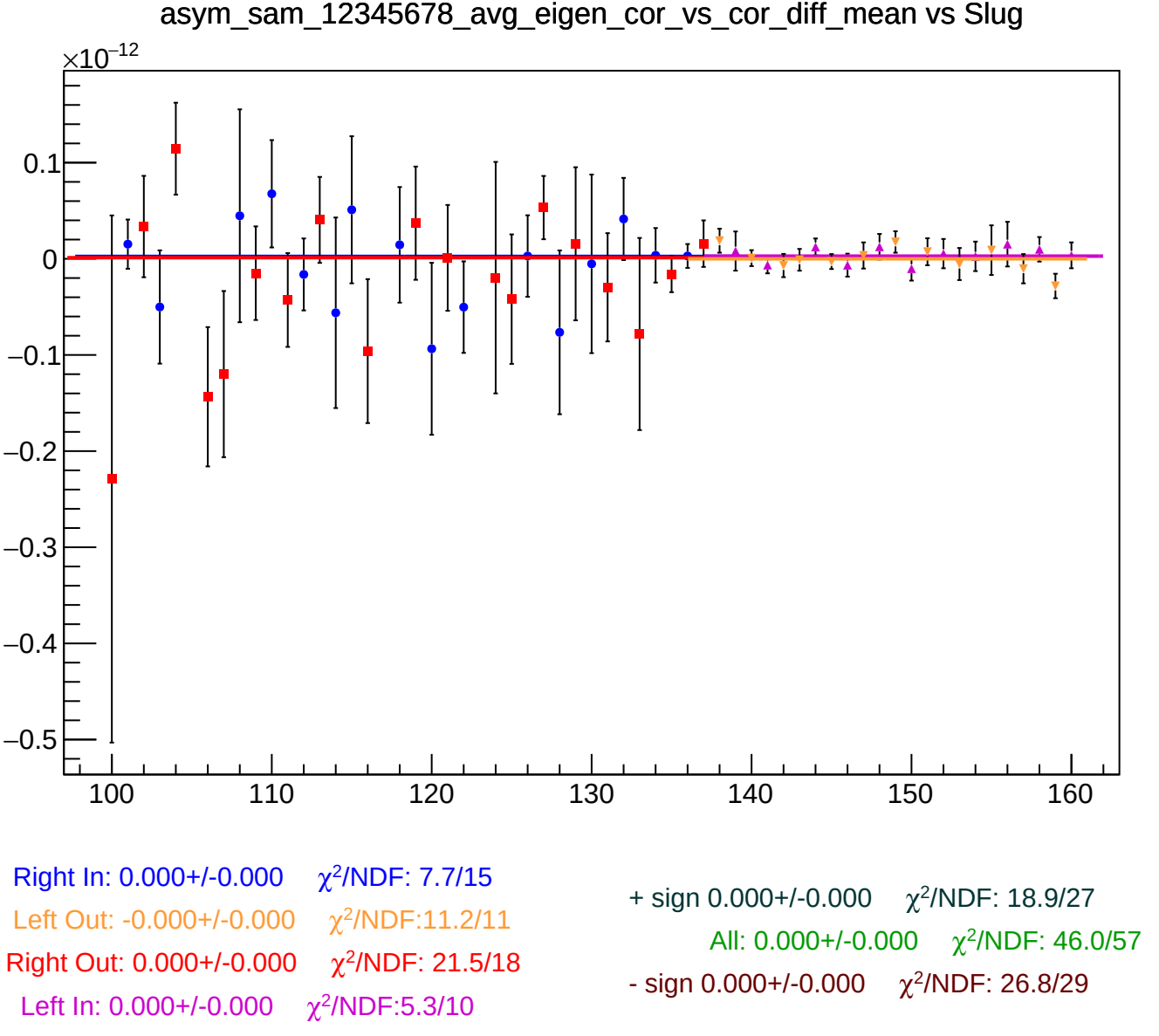
Left In: 0.003+/-0.011 χ^2/NDF:16.5/10

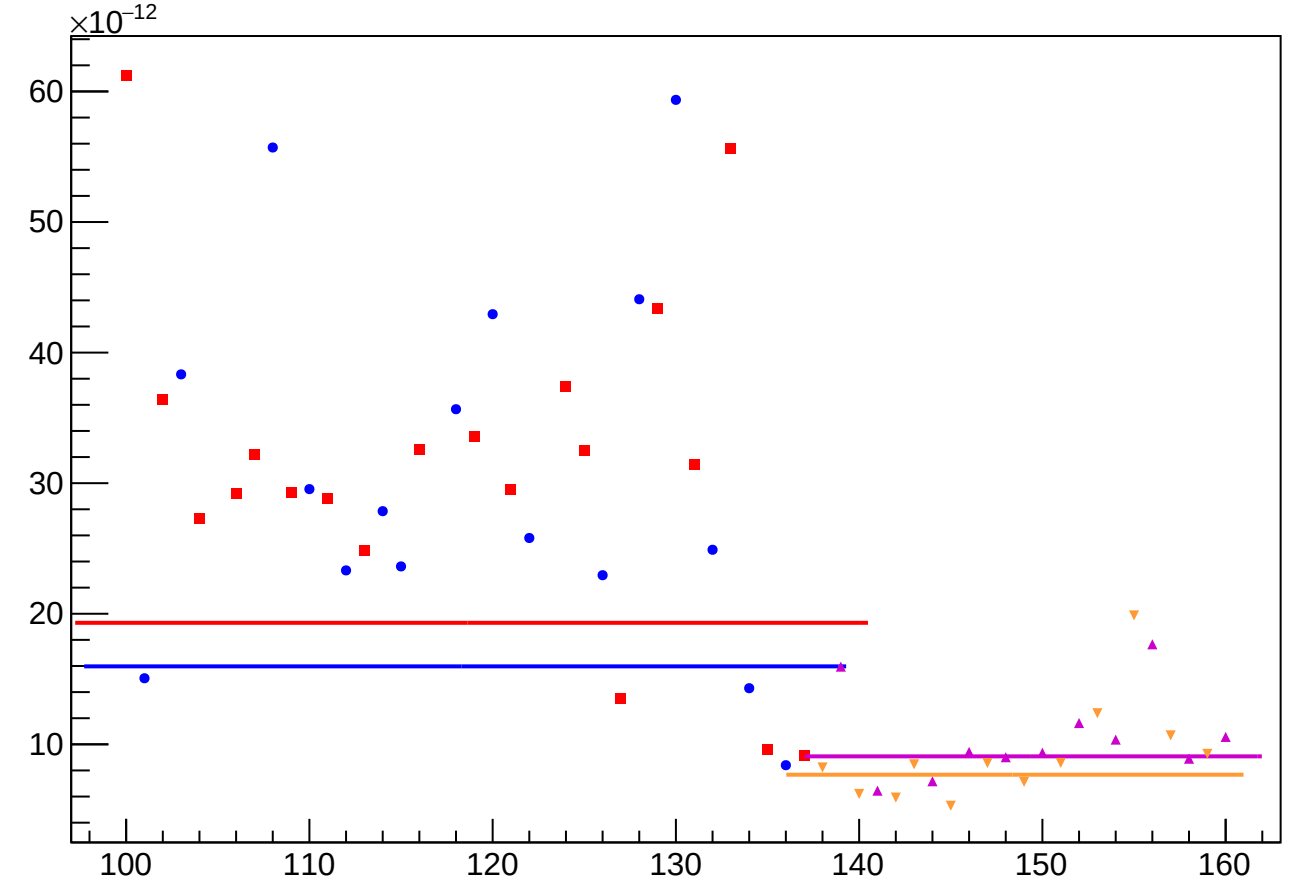
+ sign 0.012+/-0.009 χ^2/NDF: 35.9/27

All: 0.009+/-0.006 χ^2/NDF: 68.0/57

- sign 0.006+/-0.009 χ^2/NDF: 31.8/29


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 37.181+/-0.009 χ²/NDF:734103.5/11
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 33.435+/-0.008 χ²/NDF:816475.0/10
+ sign 35.867+/-0.006 χ²/NDF: 1148397.2/27
All: 34.710+/-0.004 χ²/NDF: 2669758.4/57
- sign 33.694+/-0.006 χ²/NDF: 1461687.8/29


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 7.7/15
Left Out: -0.000+/-0.000 χ²/NDF:11.2/11
Right Out: 0.000+/-0.000 χ²/NDF: 21.5/18
Left In: 0.000+/-0.000 χ²/NDF:5.3/10
+ sign 0.000+/-0.000 χ²/NDF: 18.9/27
All: 0.000+/-0.000 χ²/NDF: 46.0/57
- sign 0.000+/-0.000 χ²/NDF: 26.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1043810.4/11

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

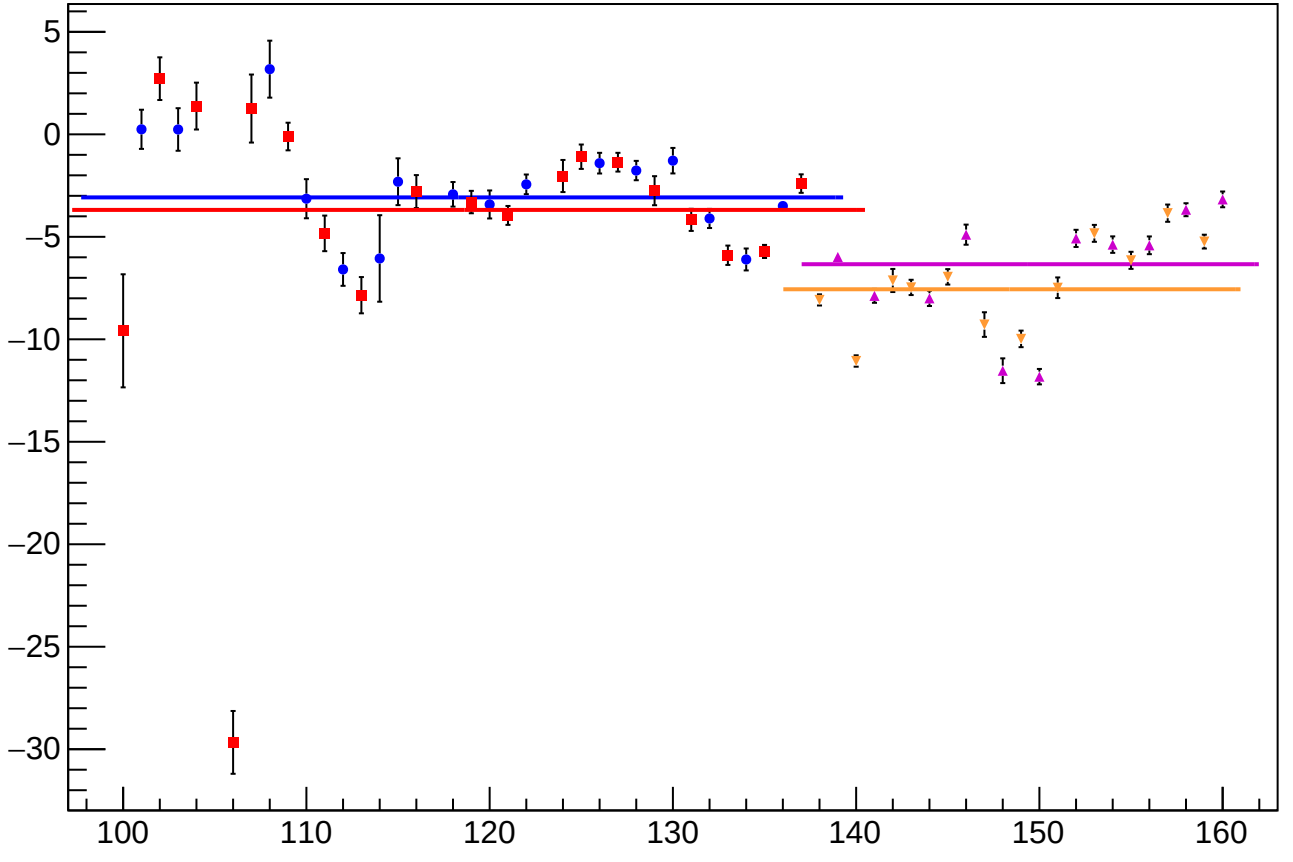
Left In: 0.000+/-0.000 χ^2/NDF:877721.9/10

+ sign 0.000+/-0.000 χ^2/NDF: 5437567.1/27

All: 0.000+/-0.000 χ^2/NDF: 10734041.1/57

- sign 0.000+/-0.000 χ^2/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: -7.559+/-0.110 χ^2/NDF:390.6/11

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

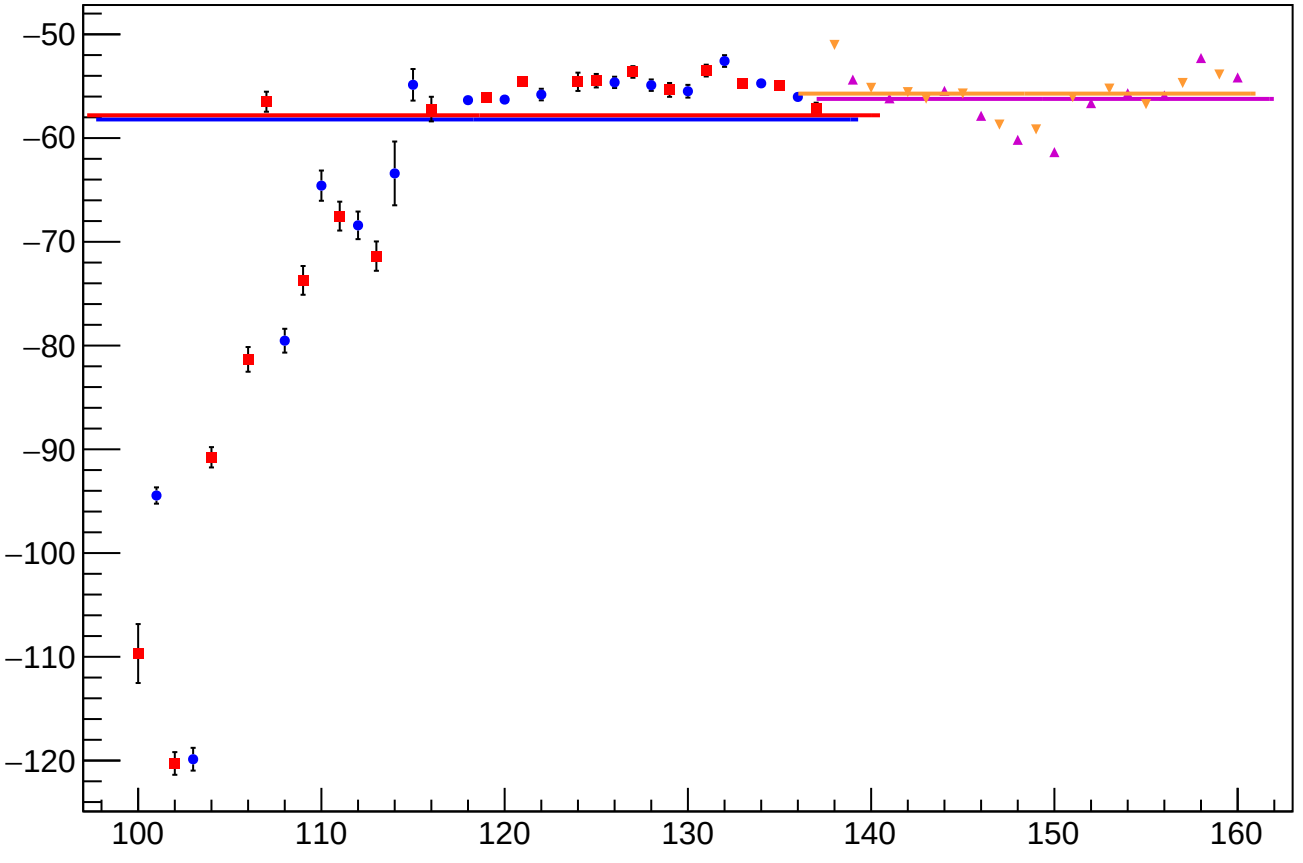
Left In: -6.337+/-0.111 χ^2/NDF:494.8/10

+ sign -5.777+/-0.085 χ^2/NDF: 1186.1/27

All: -5.551+/-0.061 χ^2/NDF: 2449.6/57

- 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: -55.714+/-0.081 χ^2/NDF:614.7/11

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

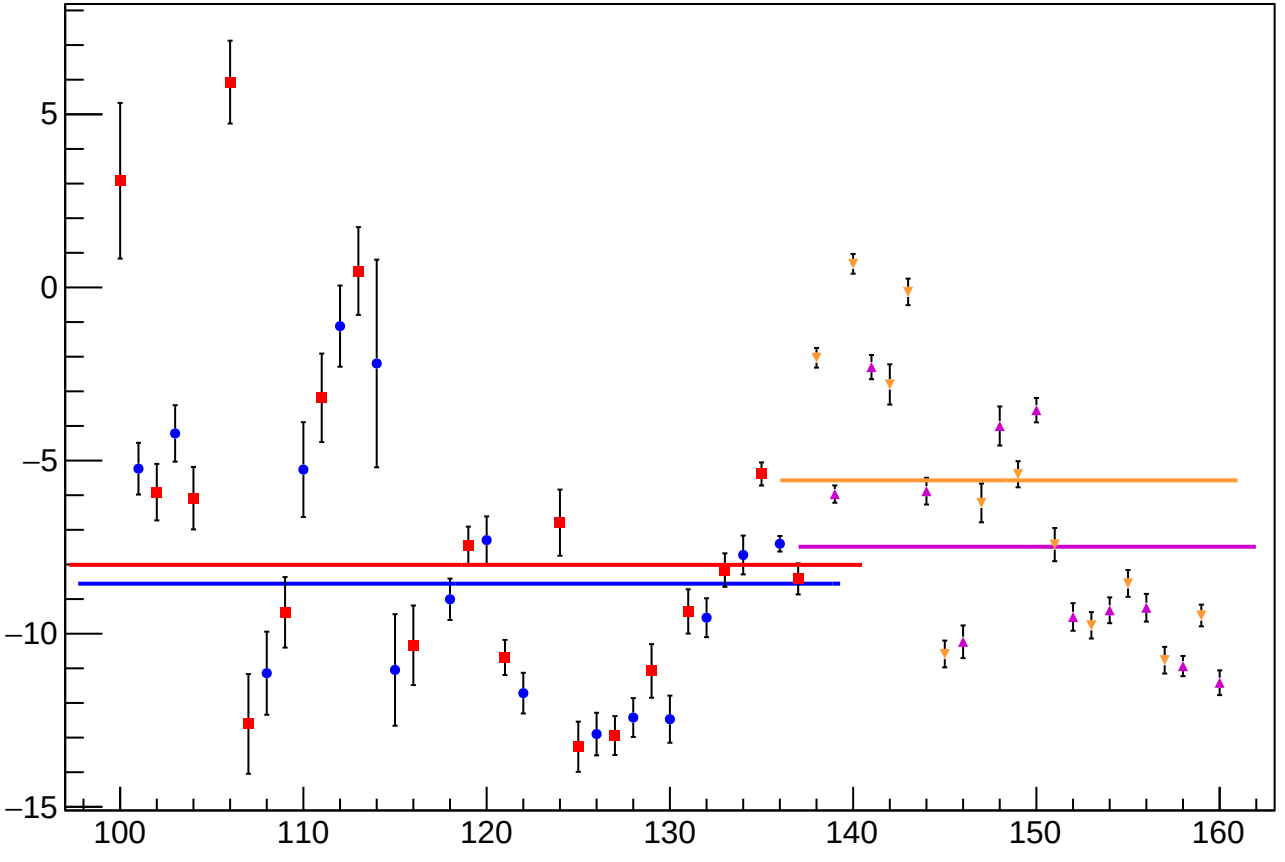
Left In: -56.225+/-0.083 χ^2/NDF:1041.2/10

+ sign -56.367+/-0.069 χ^2/NDF: 6990.6/27

All: -56.501+/-0.050 χ^2/NDF: 13927.8/57

- 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: -5.571+/-0.108 χ^2/NDF:1559.7/11

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

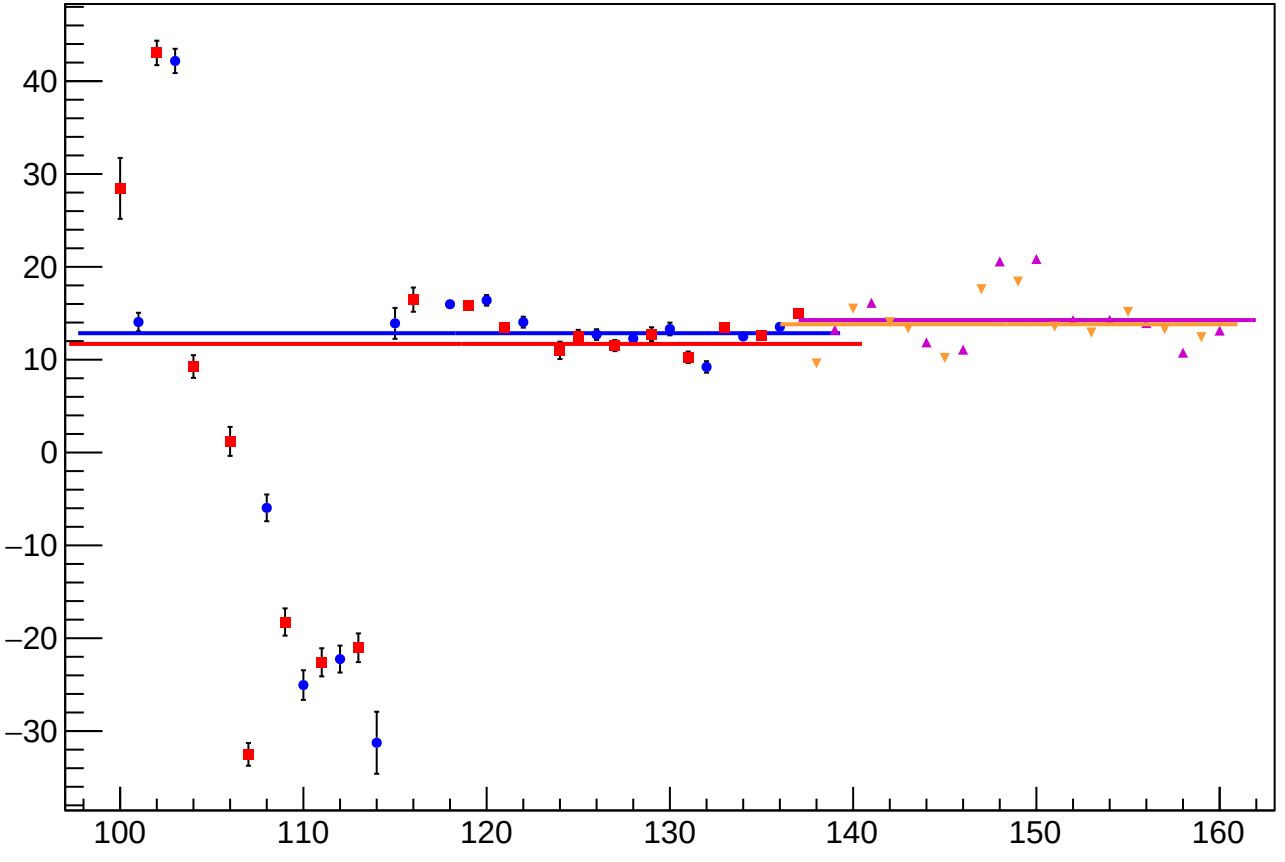
Left In: -7.489+/-0.108 χ^2/NDF:802.8/10

+ sign -6.635+/-0.086 χ^2/NDF: 2134.0/27

All: -7.139+/-0.062 χ^2/NDF: 3503.2/57

- 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: 13.815+/-0.094 χ^2/NDF:666.4/11

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

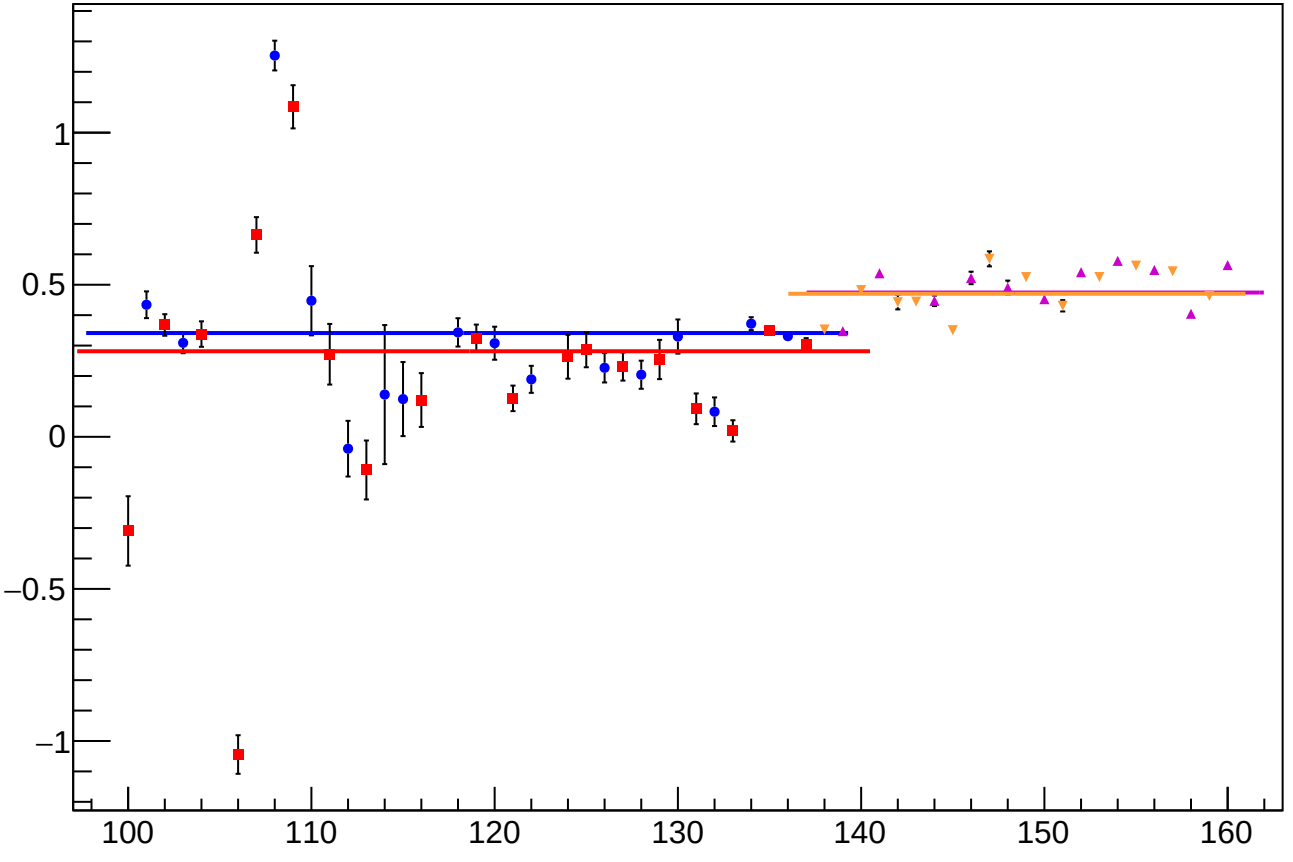
Left In: 14.269+/-0.095 χ^2/NDF:1174.3/10

\+ sign 13.545+/-0.080 χ^2/NDF: 2824.3/27

All: 13.559+/-0.057 χ^2/NDF: 7697.7/57

\- 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:321.8/11

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

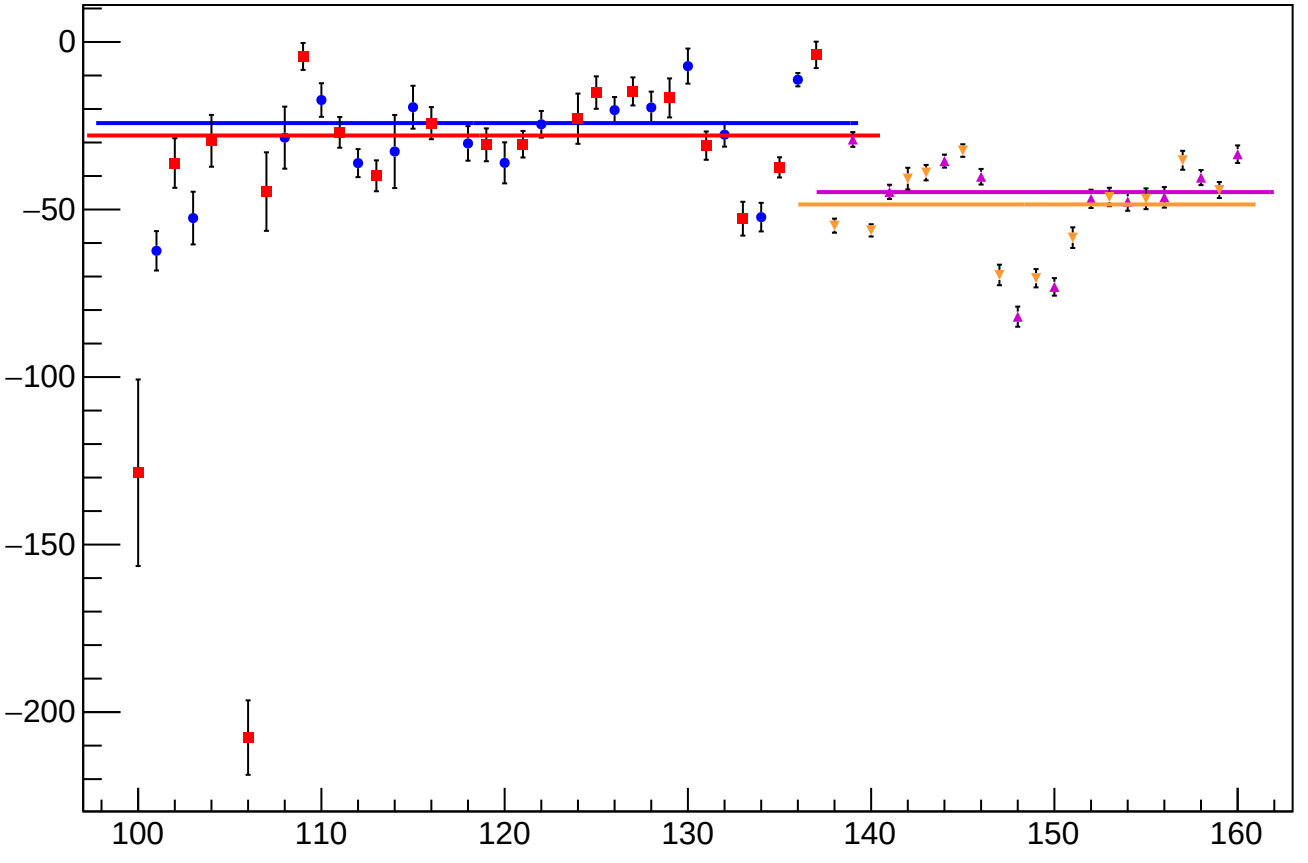
Left In: 0.474+/-0.004 χ^2/NDF:455.1/10

+ sign 0.443+/-0.004 χ^2/NDF: 968.2/27

All: 0.441+/-0.003 χ^2/NDF: 2627.0/57

- 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: -48.488+/-0.712 χ^2/NDF:271.4/11

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

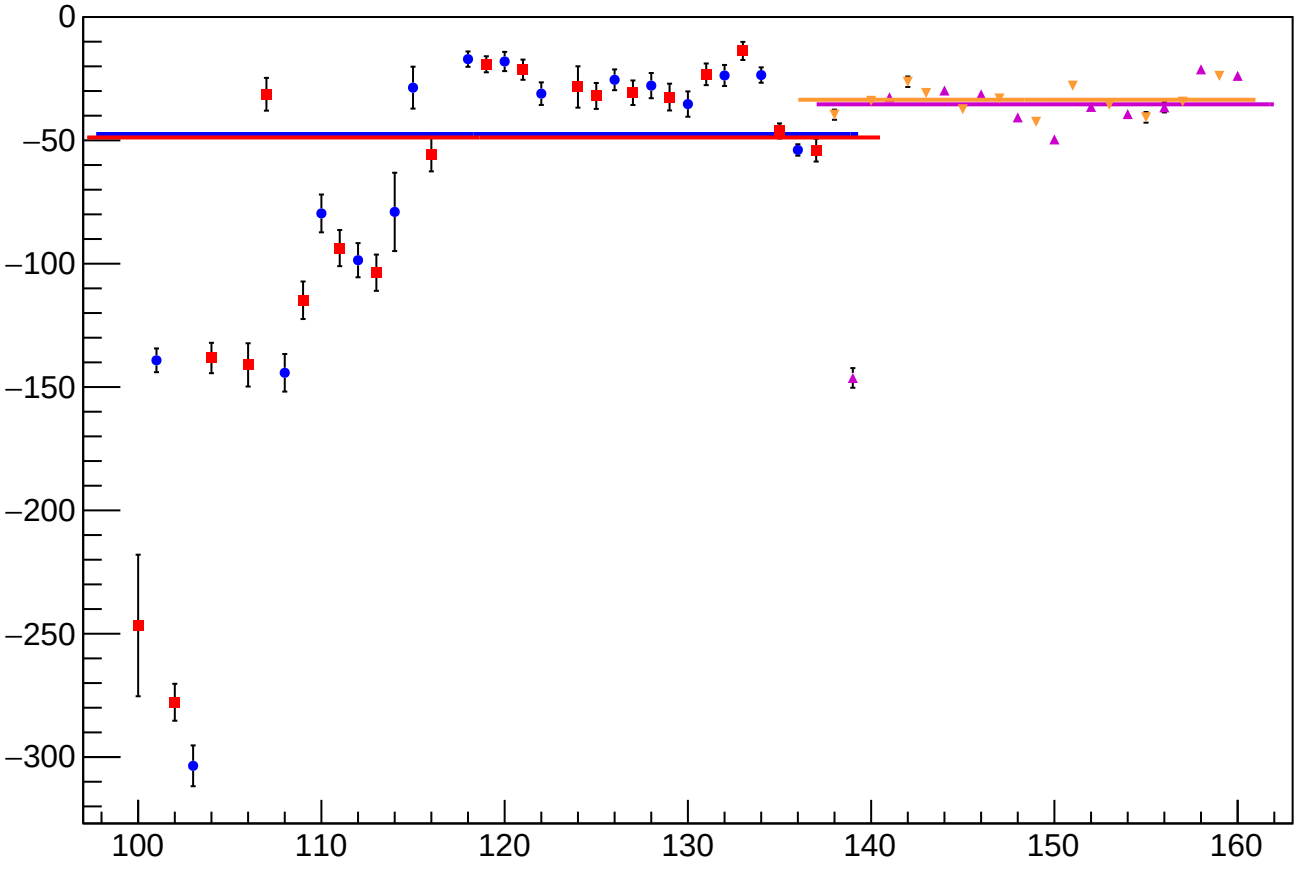
Left In: -44.801+/-0.736 χ^2/NDF:371.2/10

+ sign -41.191+/-0.596 χ^2/NDF: 791.6/27

All: -40.527+/-0.429 χ^2/NDF: 1734.4/57

- 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: -33.542+/-0.499 χ^2/NDF:116.0/11

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

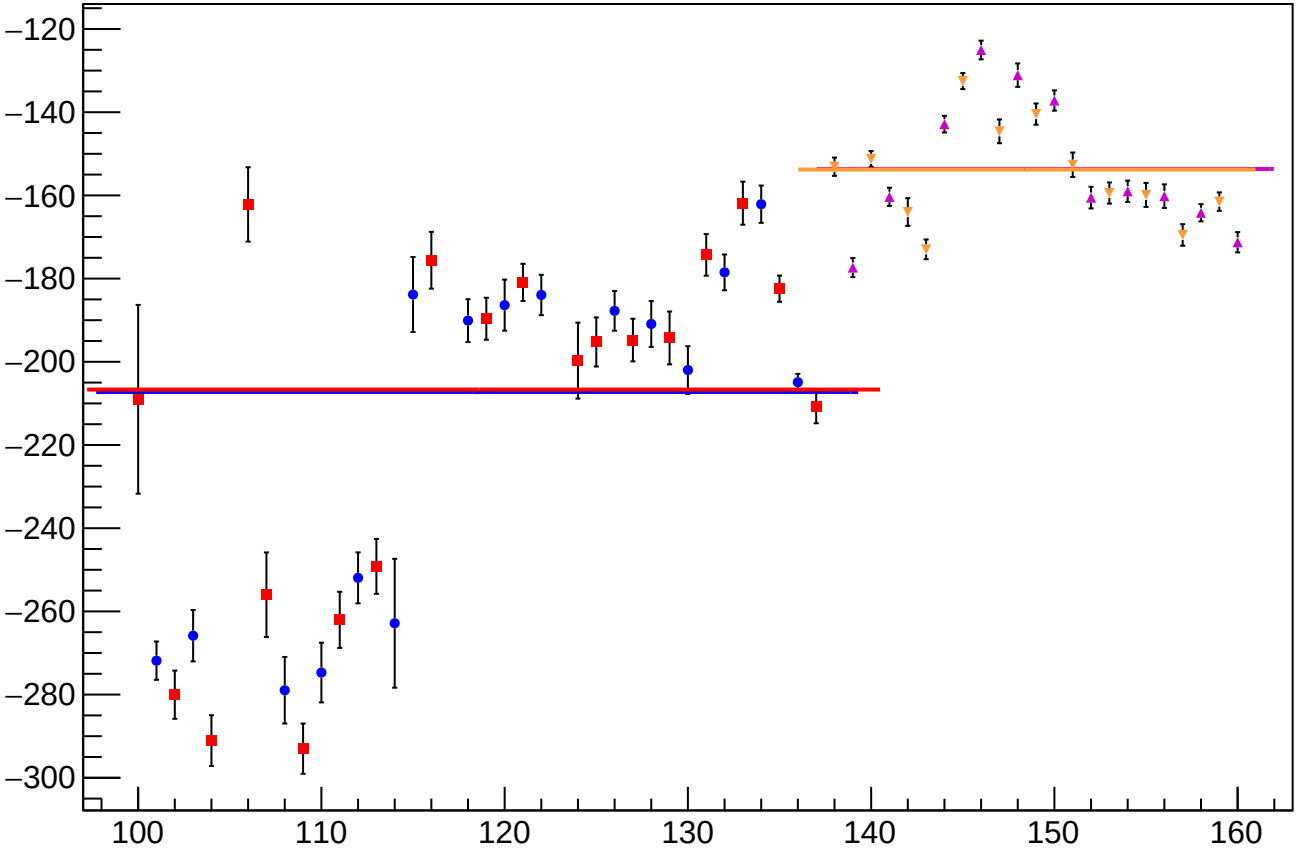
Left In: -35.389+/-0.507 χ^2/NDF:1017.4/10

+ sign -35.911+/-0.455 χ^2/NDF: 2121.2/27

All: -36.675+/-0.326 χ^2/NDF: 5028.1/57

- 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: -153.780+/-0.700 χ^2/NDF:293.7/11

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

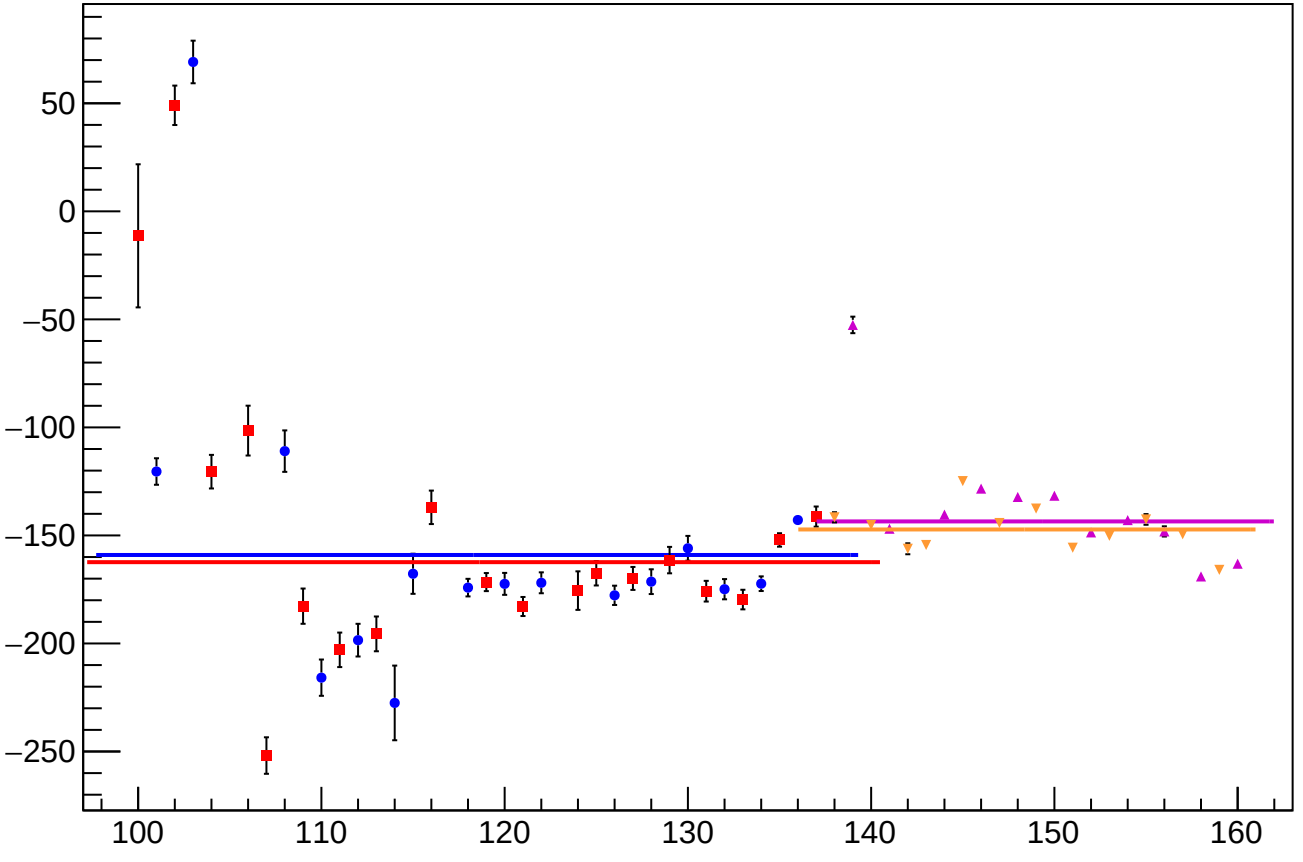
Left In: -153.644+/-0.713 χ^2/NDF:512.1/10

+ sign -167.726+/-0.602 χ^2/NDF: 2565.4/27

All: -166.994+/-0.433 χ^2/NDF: 5360.8/57

- 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: -147.240+/-0.592 χ^2/NDF:361.3/11

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

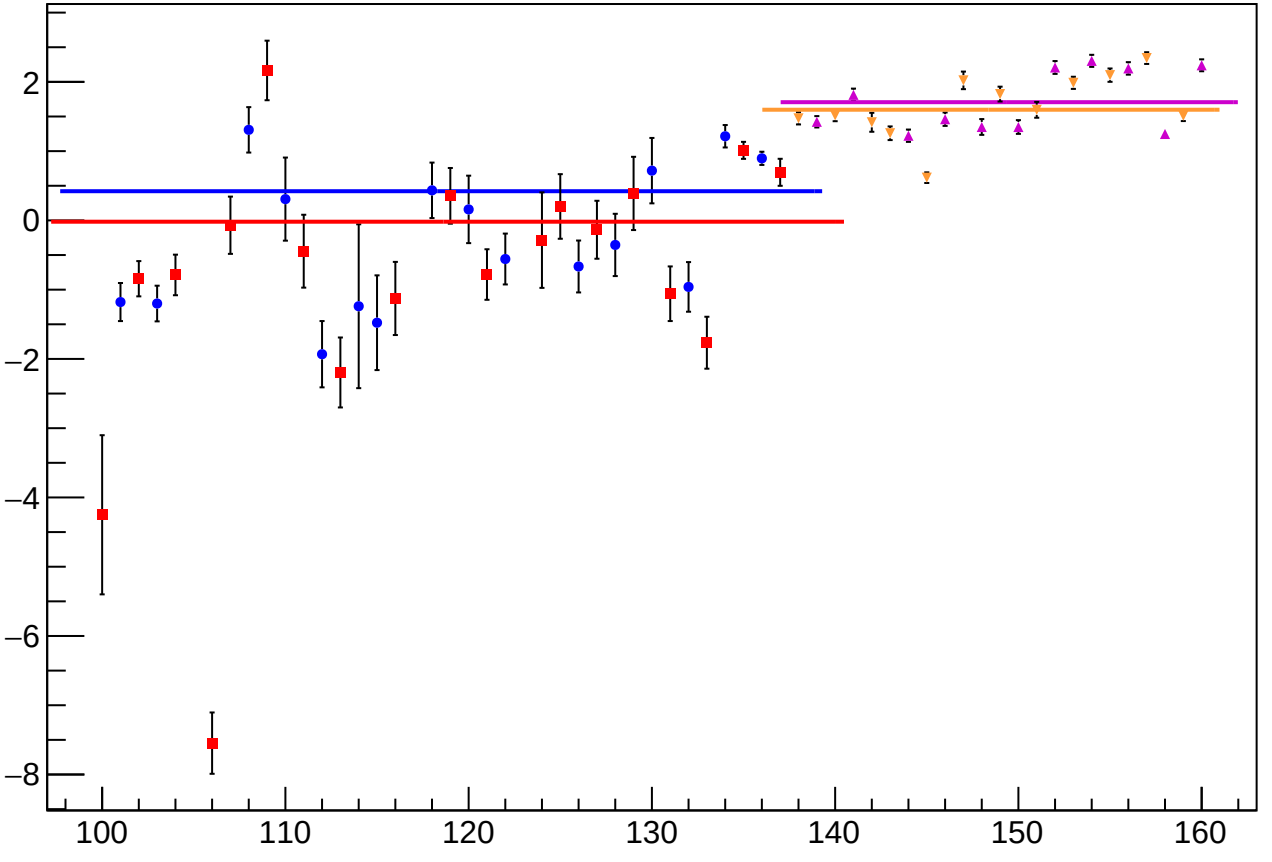
Left In: -143.516+/-0.594 χ^2/NDF:1087.3/10

+ sign -149.472+/-0.533 χ^2/NDF: 1252.4/27

All: -148.099+/-0.380 χ^2/NDF: 3394.5/57

- 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: 1.598+/-0.027 χ^2/NDF:320.9/11

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

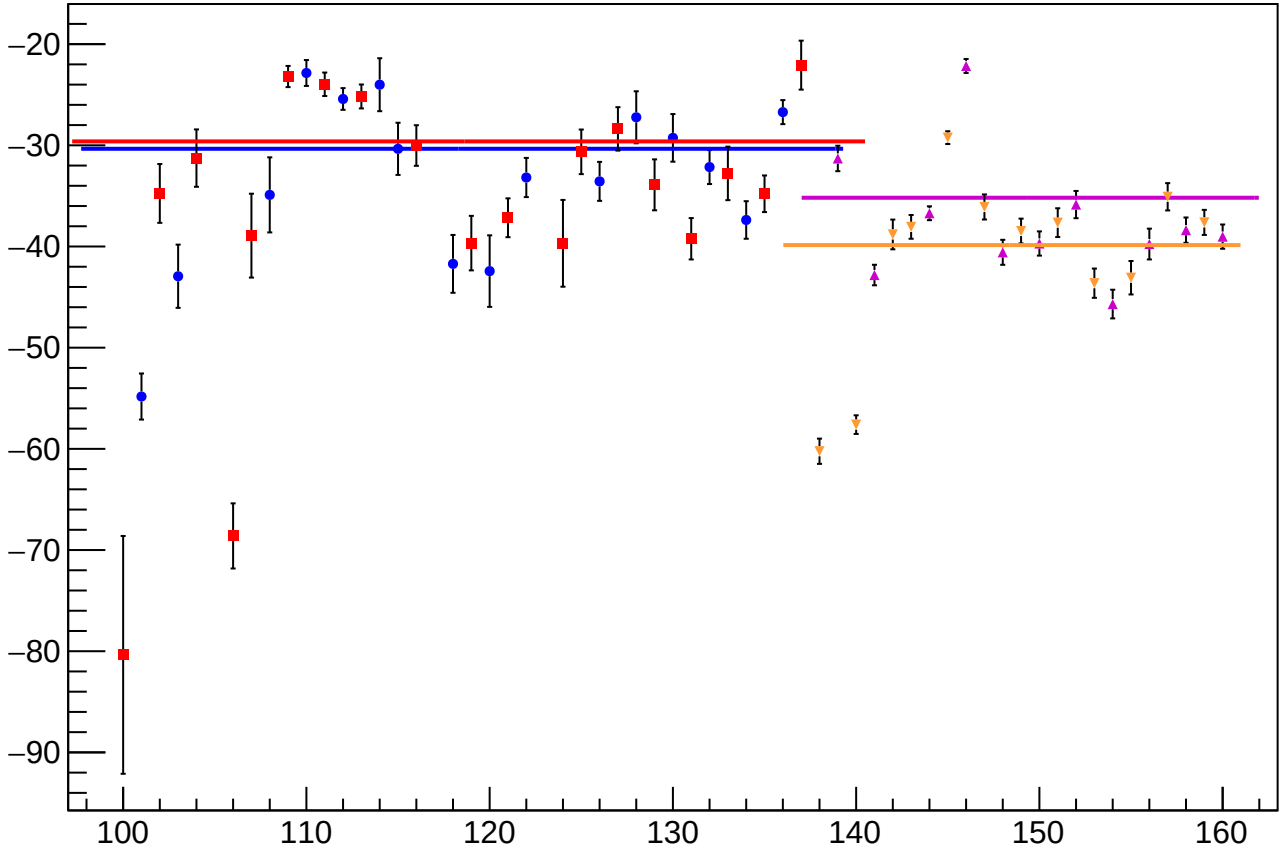
Left In: 1.707+/-0.027 χ^2/NDF:256.3/10

+ sign 1.424+/-0.025 χ^2/NDF: 799.1/27

All: 1.460+/-0.018 χ^2/NDF: 2048.1/57

- 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: -39.861+/-0.327 χ^2/NDF:962.9/11

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

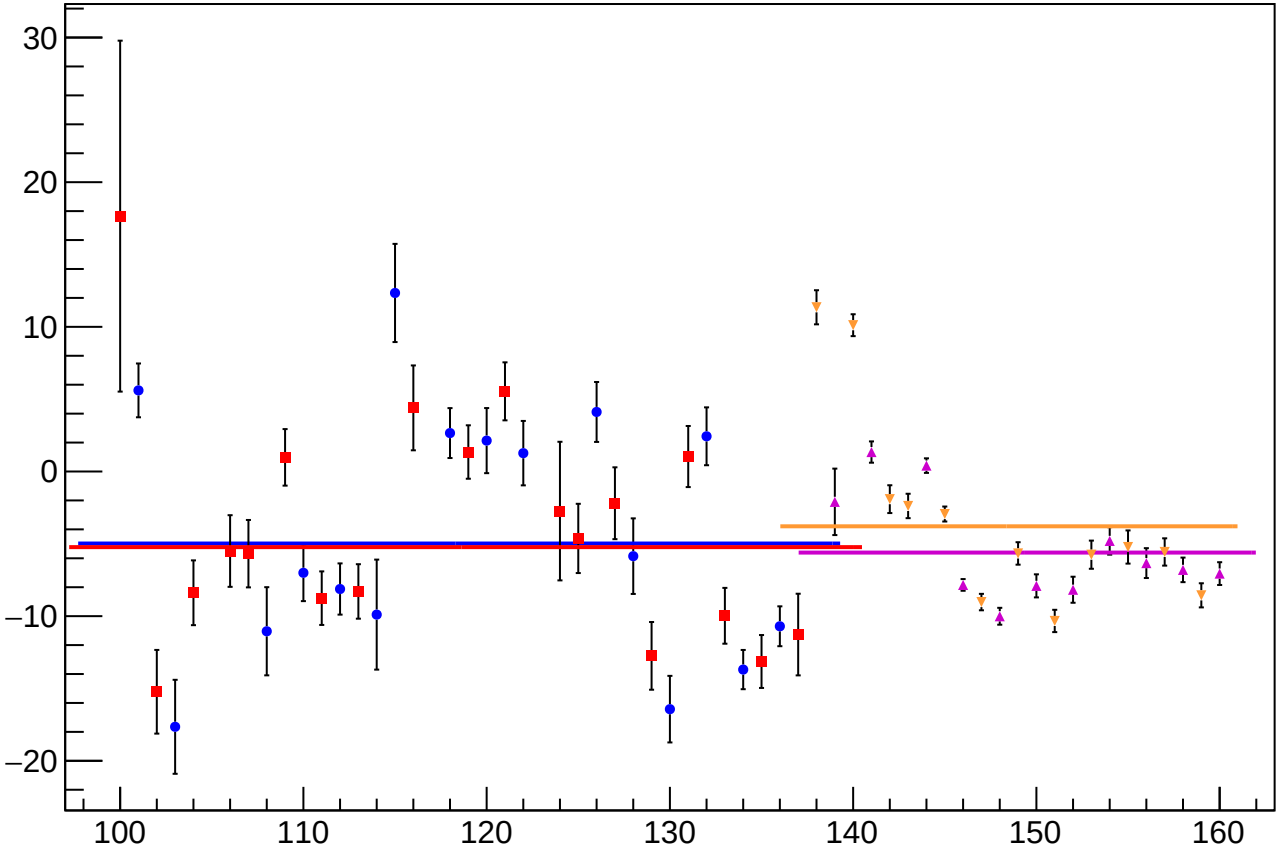
Left In: -35.180+/-0.316 χ^2/NDF:540.7/10

+ sign -36.742+/-0.268 χ^2/NDF: 1494.9/27

All: -34.984+/-0.186 χ^2/NDF: 2550.4/57

- 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: -3.789+/-0.226 χ^2/NDF:716.6/11

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

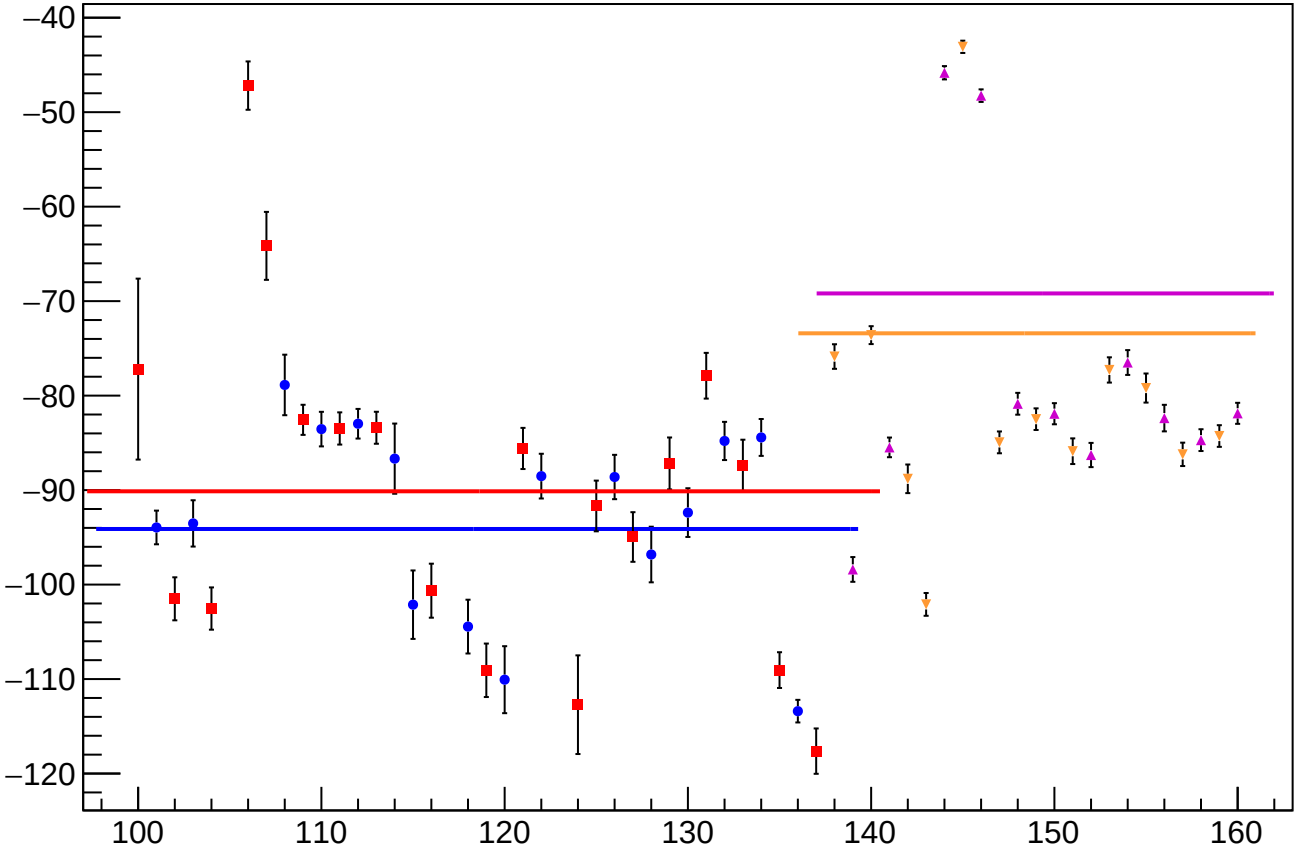
Left In: -5.605+/-0.209 χ^2/NDF:344.6/10

+ sign -3.985+/-0.207 χ^2/NDF: 958.4/27

All: -4.819+/-0.142 χ^2/NDF: 1470.5/57

- 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: -73.406+/-0.322 χ^2/NDF:3312.5/11

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

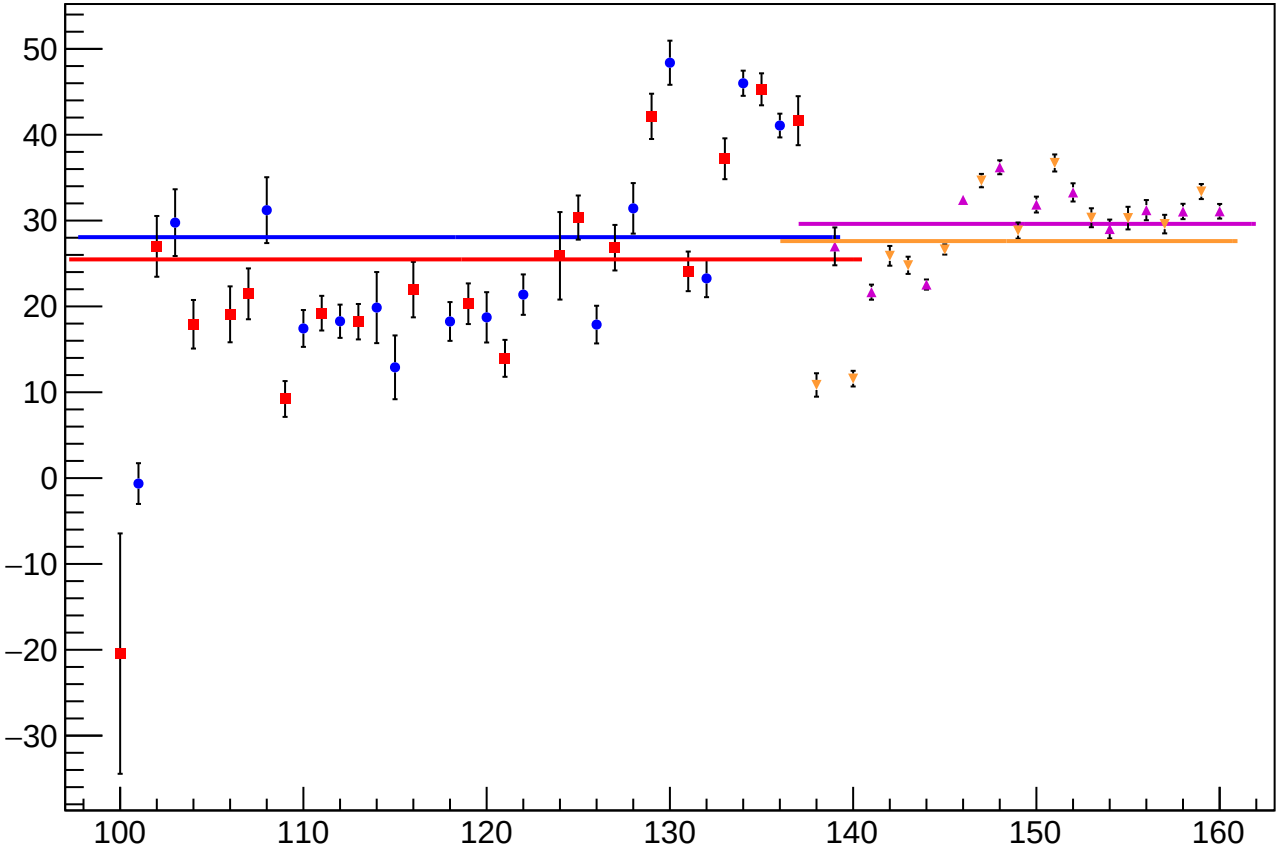
Left In: -69.184+/-0.307 χ^2/NDF:3670.3/10

\+ sign -78.883+/-0.276 χ^2/NDF: 4873.2/27

All: -76.502+/-0.192 χ^2/NDF: 10603.4/57

\- 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: 27.610+/-0.270 χ^2/NDF:696.4/11

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

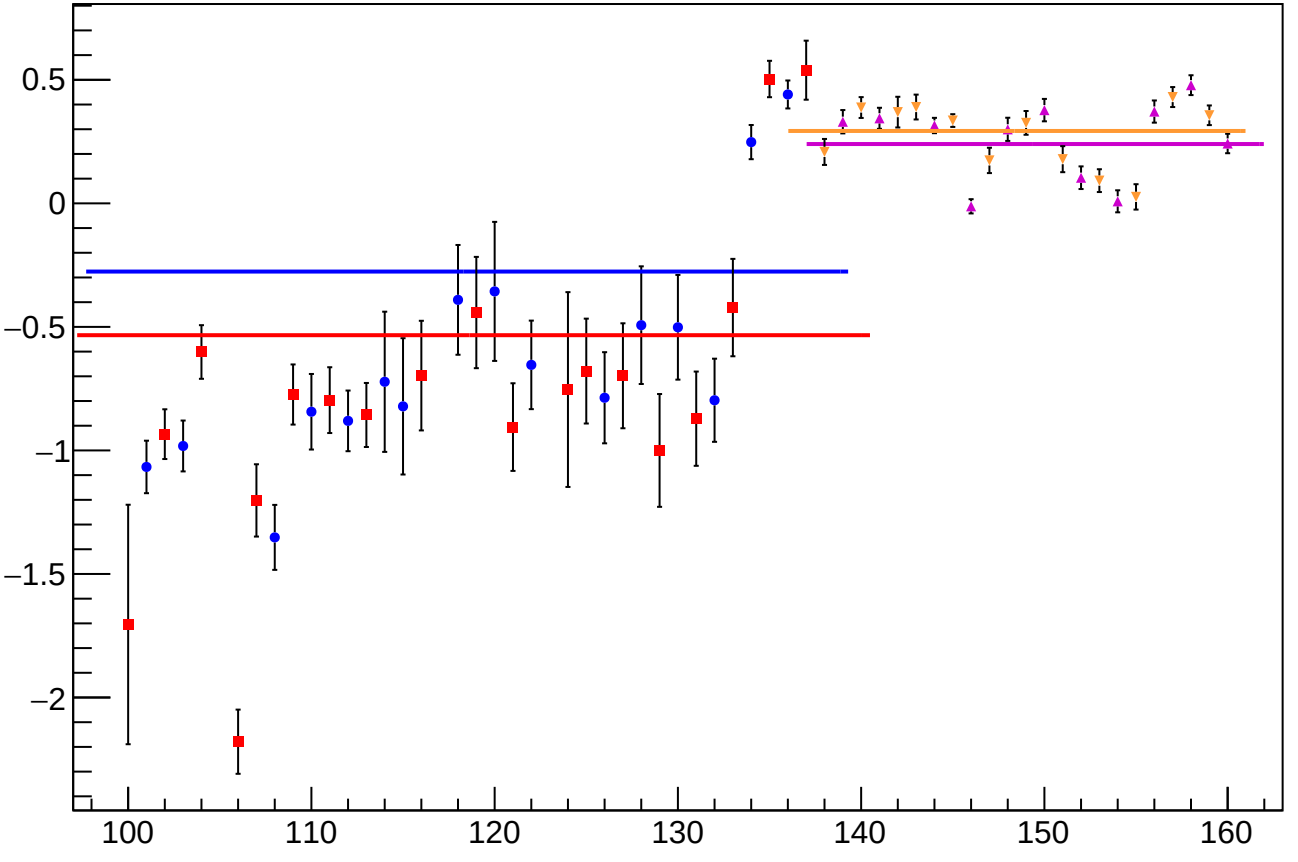
Left In: 29.615+/-0.250 χ^2/NDF:348.0/10

+ sign 27.695+/-0.244 χ^2/NDF: 1280.0/27

All: 28.377+/-0.168 χ^2/NDF: 2039.1/57

- 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: 0.293+/-0.013 χ^2/NDF:86.2/11

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

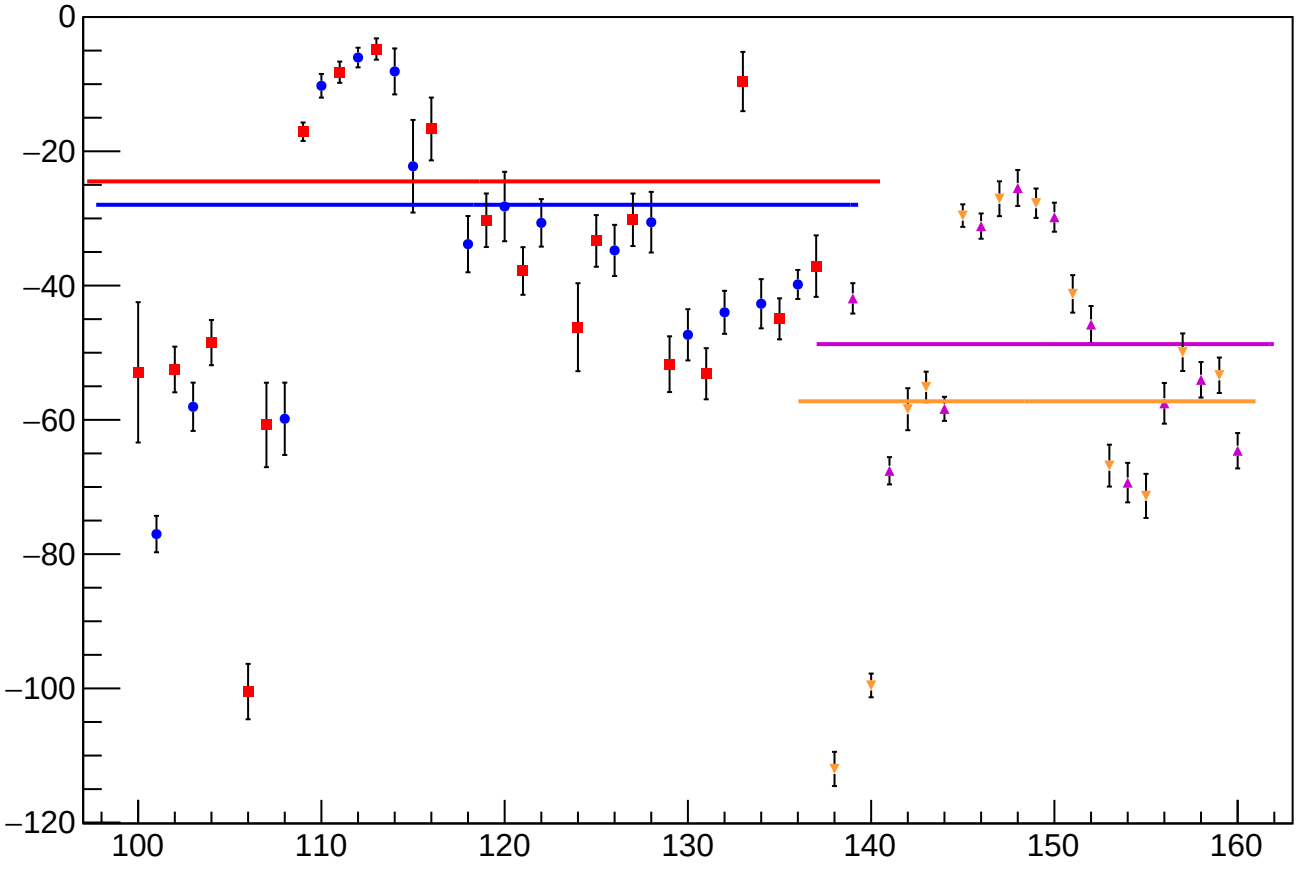
Left In: 0.240+/-0.012 χ^2/NDF:182.2/10

+ sign 0.211+/-0.012 χ^2/NDF: 837.1/27

All: 0.179+/-0.008 χ^2/NDF: 2033.7/57

- 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: -57.238+/-0.694 χ^2/NDF:1694.3/11

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

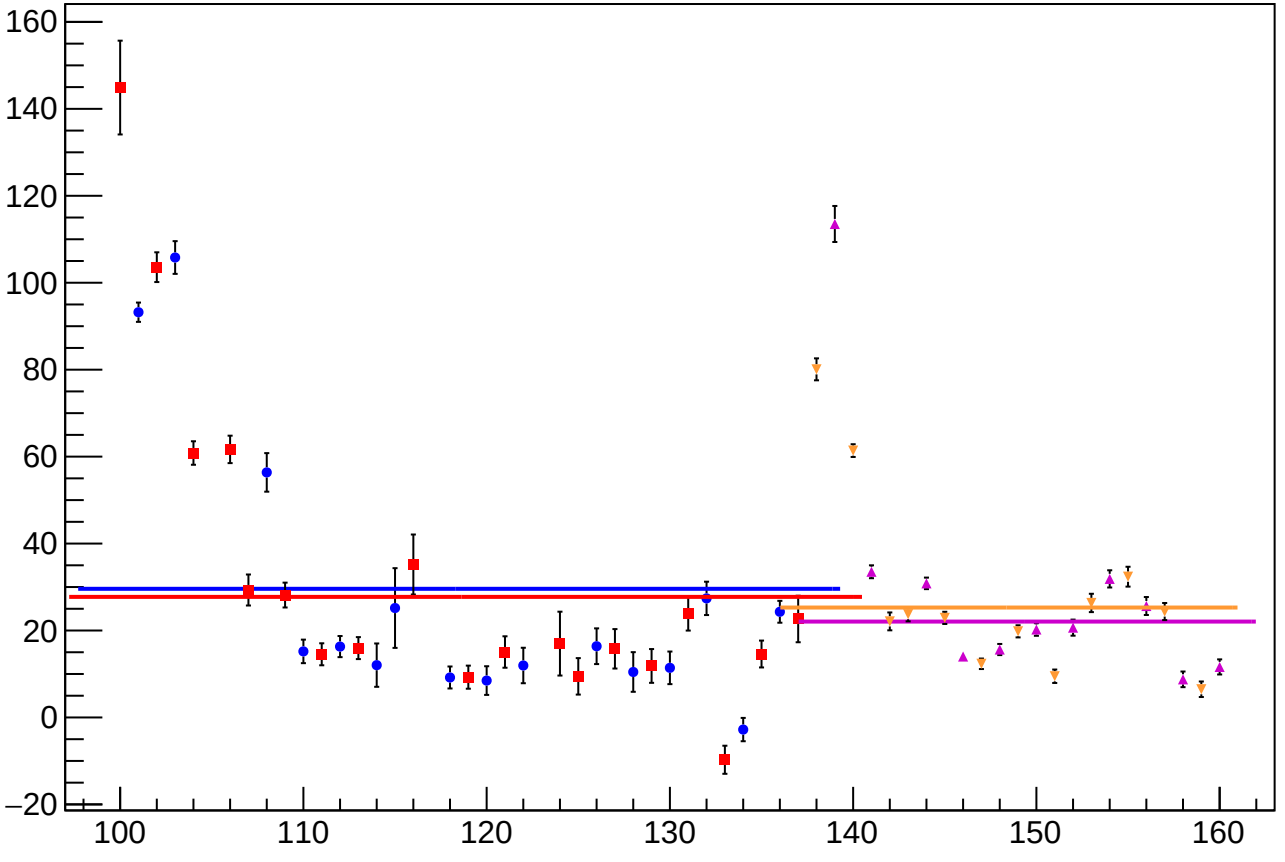
Left In: -48.719+/-0.702 χ^2/NDF:462.4/10

+ sign -43.296+/-0.502 χ^2/NDF: 3436.5/27

All: -39.448+/-0.348 χ^2/NDF: 5631.2/57

- 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: 25.287+/-0.480 χ^2/NDF:1438.6/11

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

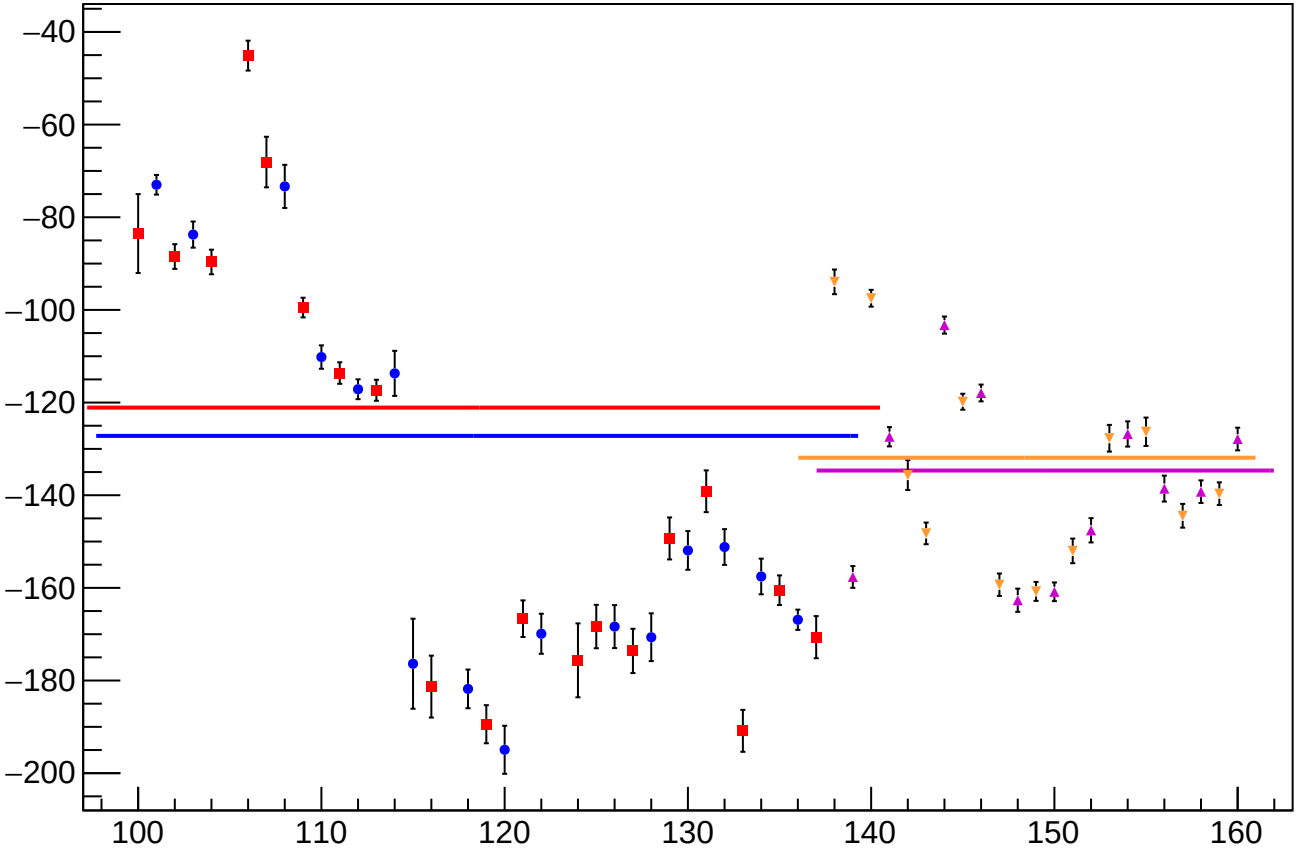
Left In: 22.055+/-0.480 χ^2/NDF:785.5/10

+ sign 26.411+/-0.412 χ^2/NDF: 3125.3/27

All: 24.983+/-0.291 χ^2/NDF: 5157.1/57

- 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: -131.900+/-0.681 χ^2/NDF:1085.9/11

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

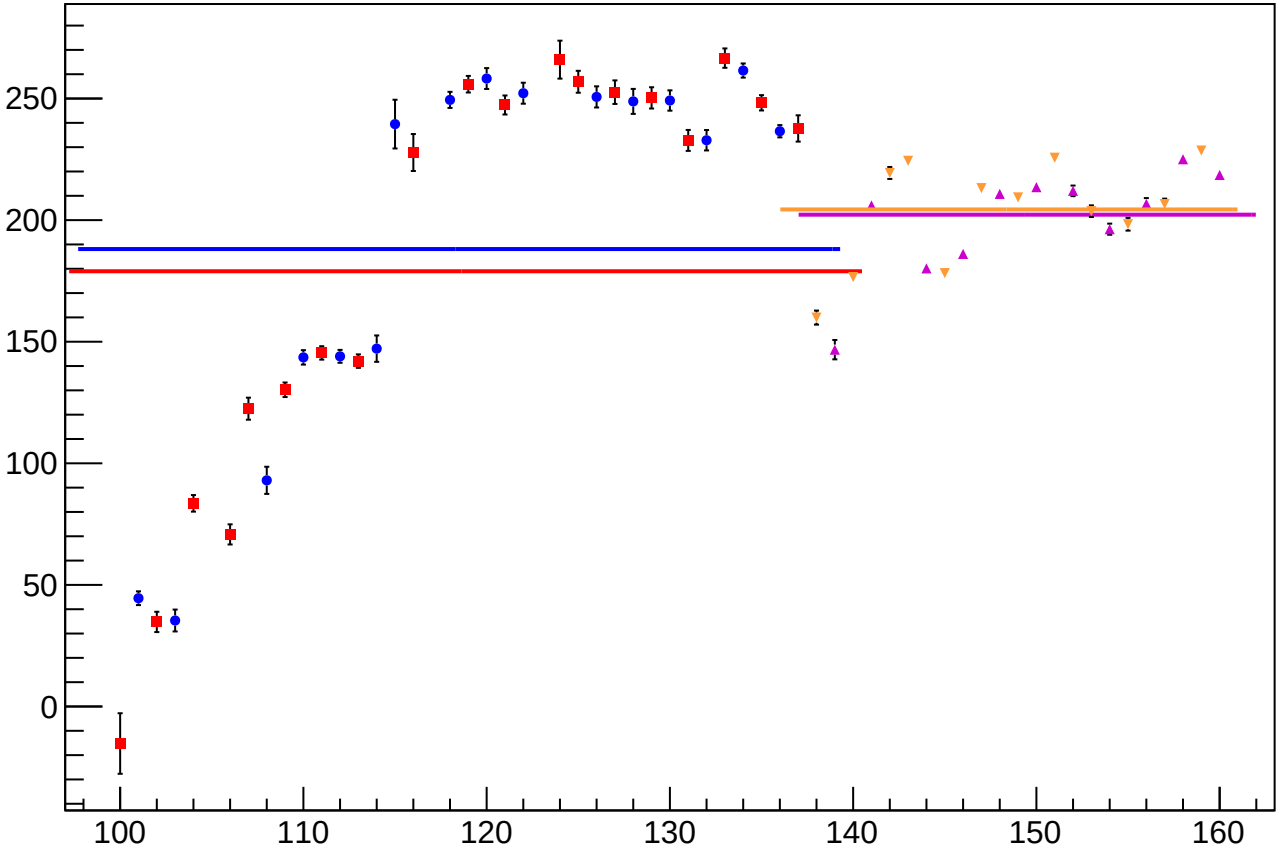
Left In: -134.672+/-0.681 χ^2/NDF:819.8/10

+ sign -130.004+/-0.526 χ^2/NDF: 3283.3/27

All: -129.465+/-0.369 χ^2/NDF: 6670.2/57

- 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: 204.390+/-0.573 χ^2/NDF:1223.9/11

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

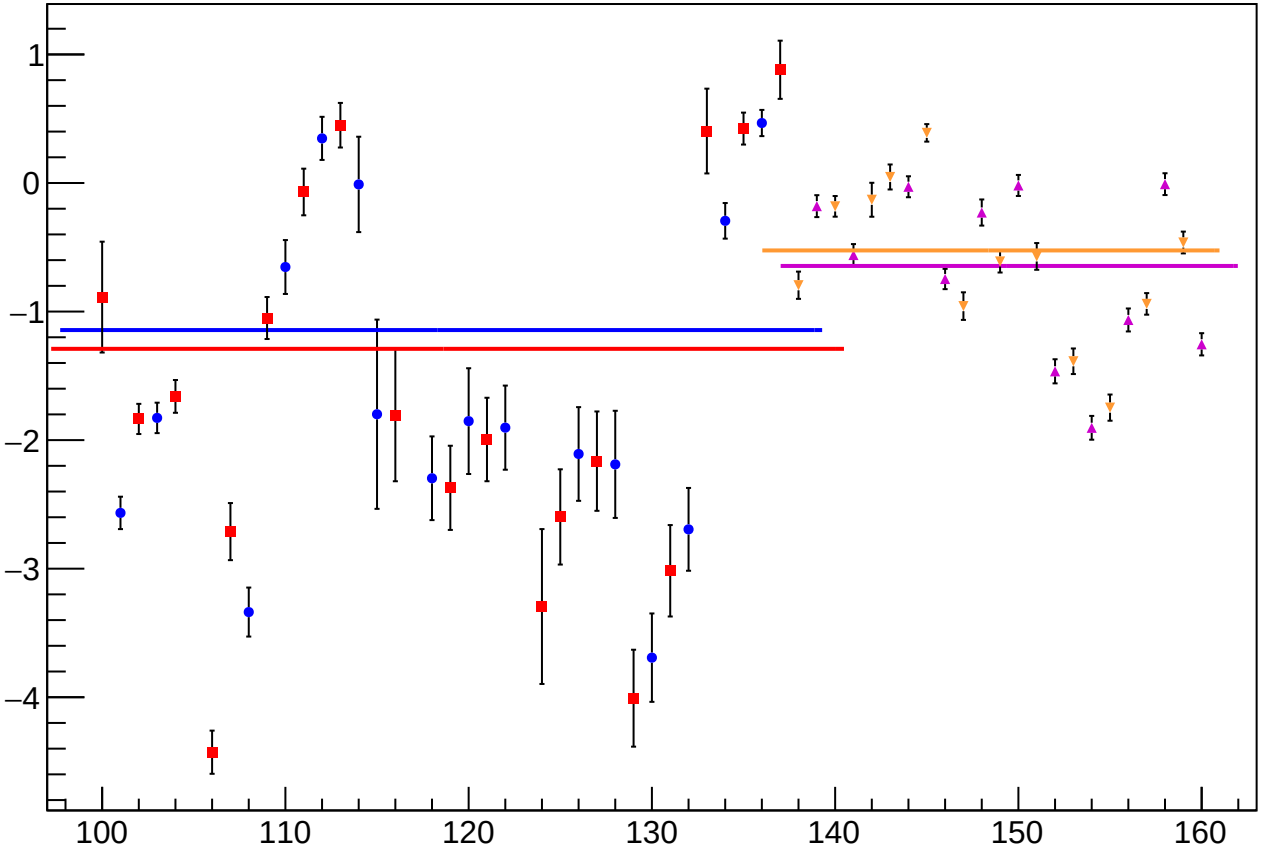
Left In: 202.241+/-0.567 χ^2/NDF:850.6/10

+ sign 199.827+/-0.486 χ^2/NDF: 8569.0/27

All: 197.751+/-0.342 χ^2/NDF: 16597.2/57

- 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: -0.525+/-0.027 χ^2/NDF:509.8/11

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

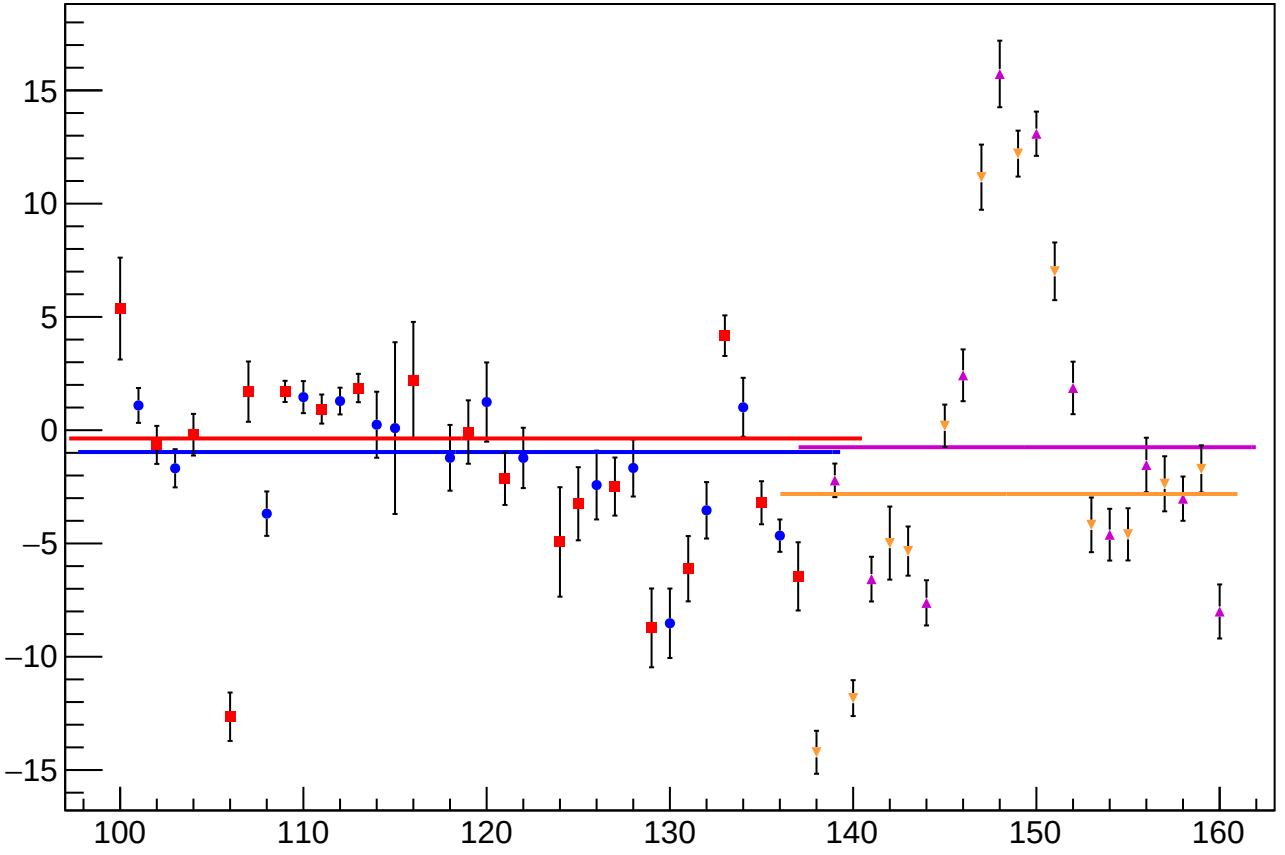
Left In: -0.645+/-0.026 χ^2/NDF:554.0/10

+ sign -0.670+/-0.023 χ^2/NDF: 1424.6/27

All: -0.734+/-0.016 χ^2/NDF: 3133.3/57

- 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: -2.817+/-0.313 χ^2/NDF:669.9/11

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

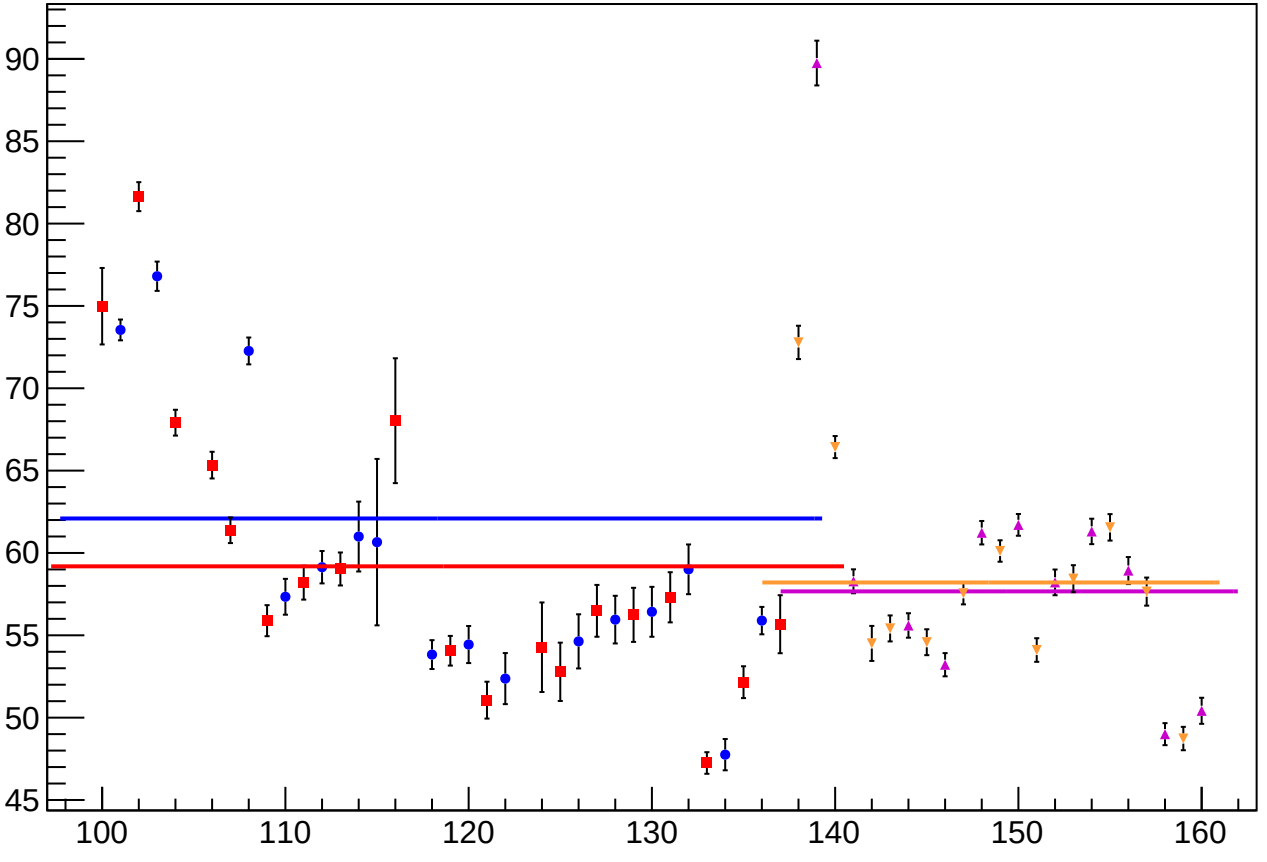
Left In: -0.751+/-0.315 χ^2/NDF:479.6/10

+ sign -1.696+/-0.197 χ^2/NDF: 794.2/27

All: -1.050+/-0.134 χ^2/NDF: 1575.5/57

- 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: 58.208+/-0.222 χ^2/NDF:642.5/11

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

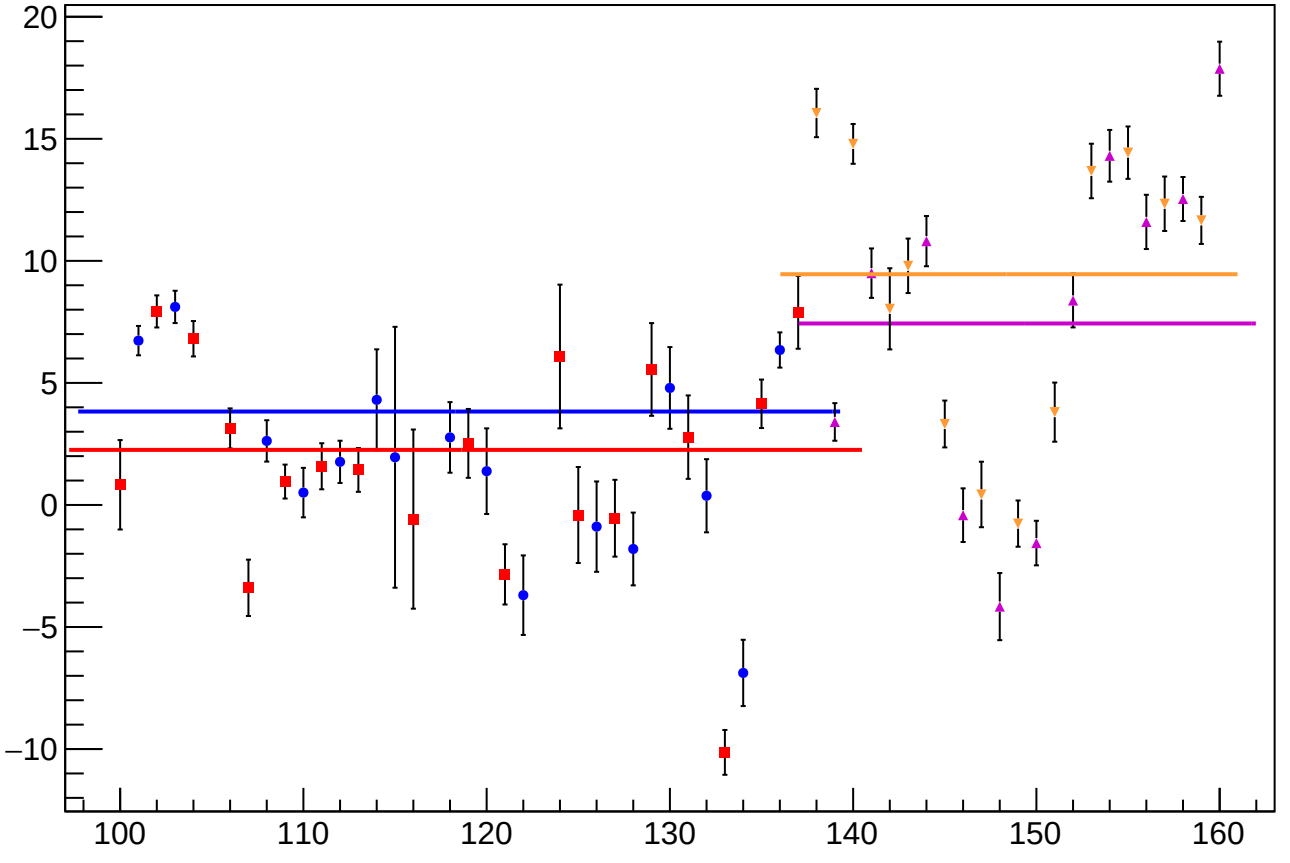
Left In: 57.667+/-0.228 χ^2/NDF:945.2/10

+ sign 59.812+/-0.170 χ^2/NDF: 2069.7/27

All: 59.079+/-0.119 χ^2/NDF: 4473.9/57

- 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: 9.452+/-0.306 χ^2/NDF:360.1/11

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

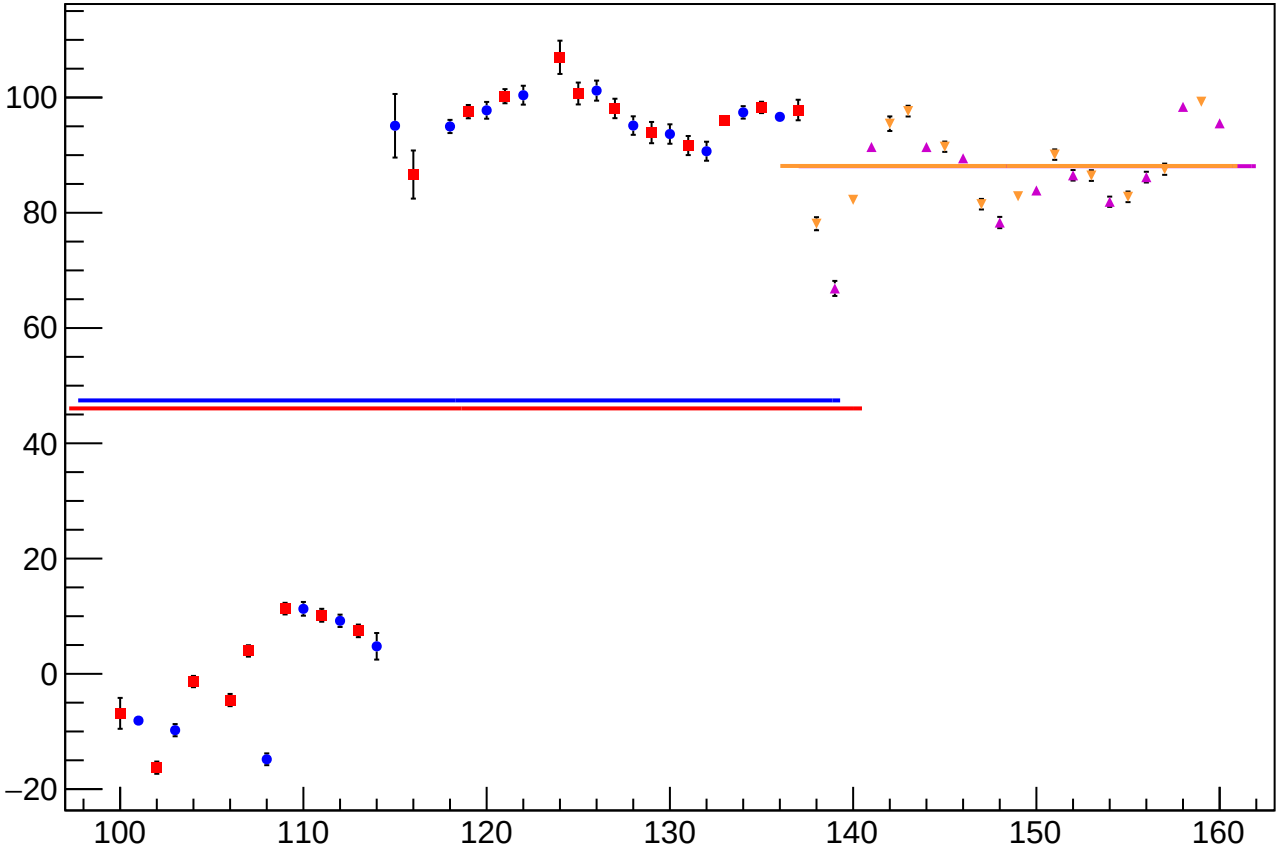
Left In: 7.434+/-0.305 χ^2/NDF:439.2/10

+ sign 6.240+/-0.200 χ^2/NDF: 761.6/27

All: 5.227+/-0.139 χ^2/NDF: 1795.8/57

- 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: 88.120+/-0.262 χ^2/NDF:648.3/11

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

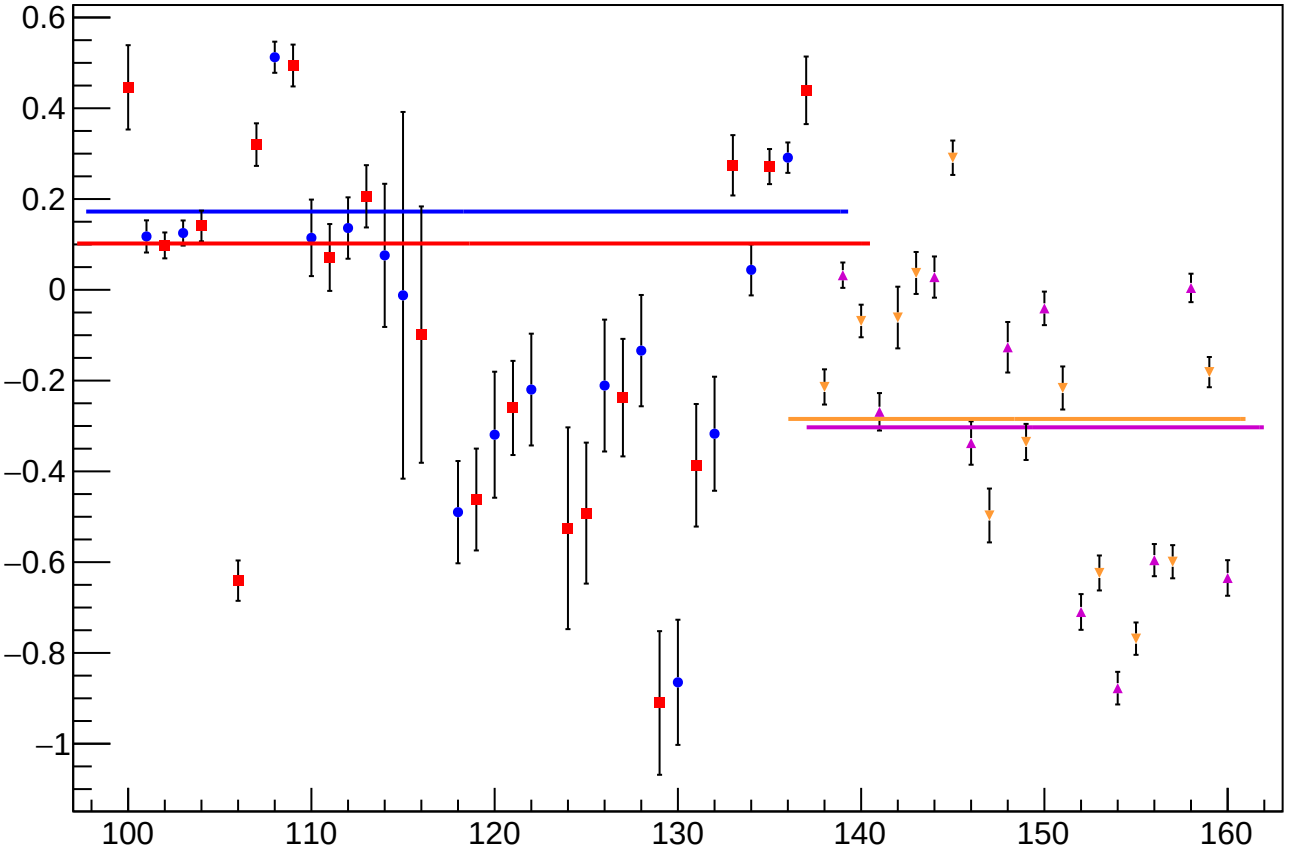
Left In: 88.084+/-0.264 χ^2/NDF:772.5/10

\+ sign 71.075+/-0.199 χ^2/NDF: 37664.8/27

All: 69.824+/-0.139 χ^2/NDF: 79149.6/57

\- 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: -0.284+/-0.012 χ^2/NDF:691.7/11

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

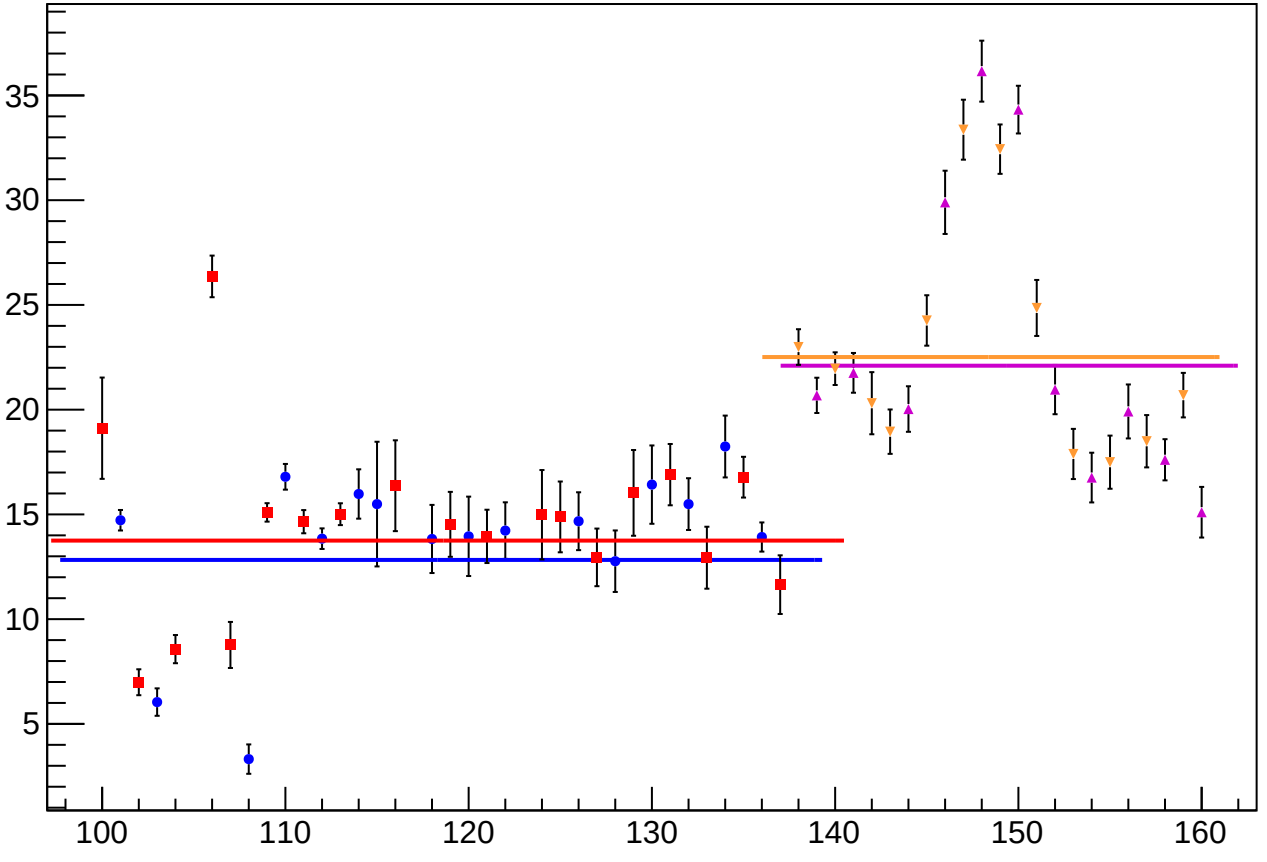
Left In: -0.303+/-0.011 χ^2/NDF:856.8/10

+ sign -0.099+/-0.009 χ^2/NDF: 1575.5/27

All: -0.117+/-0.006 χ^2/NDF: 3527.6/57

- 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: 22.512+/-0.321 χ^2/NDF:191.8/11

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

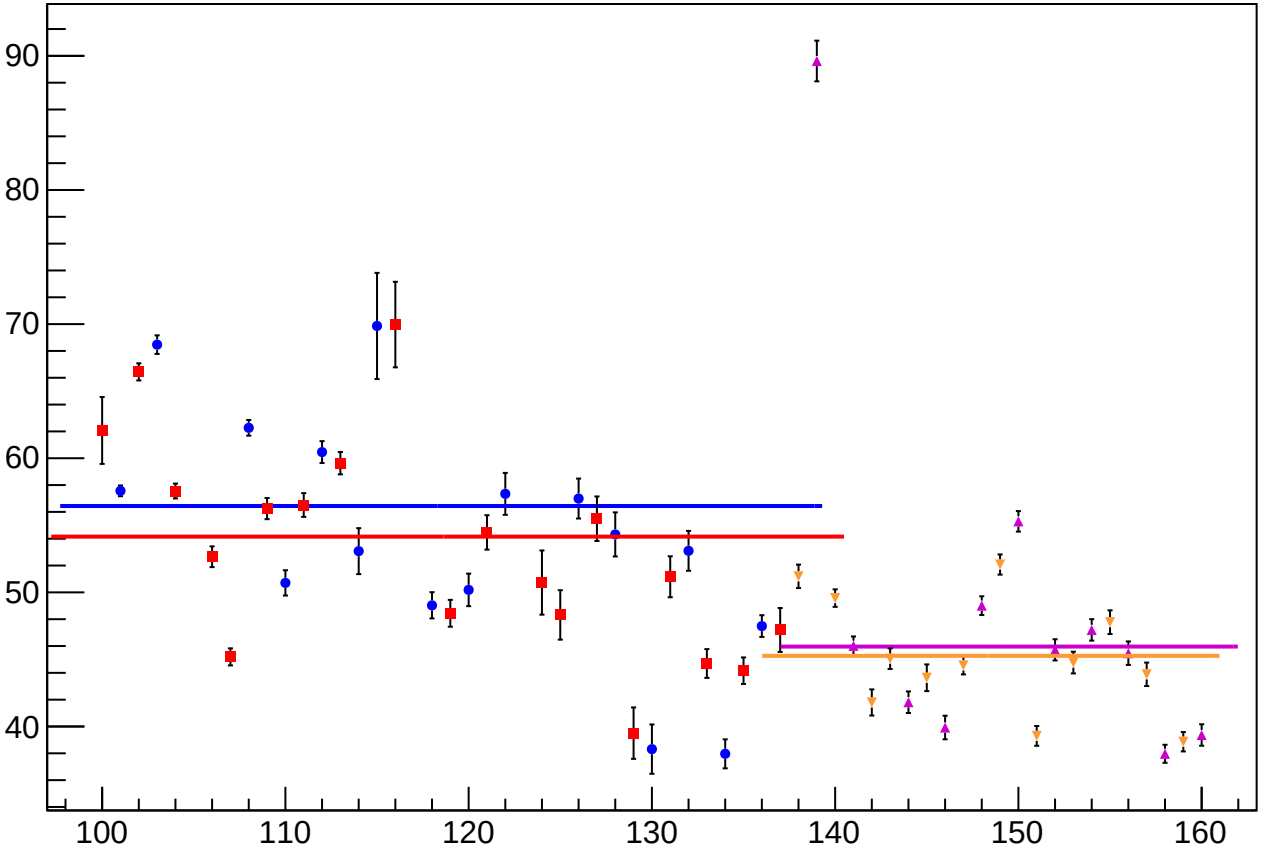
Left In: 22.099+/-0.337 χ^2/NDF:320.4/10

\+ sign 15.802+/-0.178 χ^2/NDF: 1208.6/27

All: 15.898+/-0.125 χ^2/NDF: 2382.5/57

\- 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: 45.267+/-0.228 χ^2/NDF:343.1/11

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

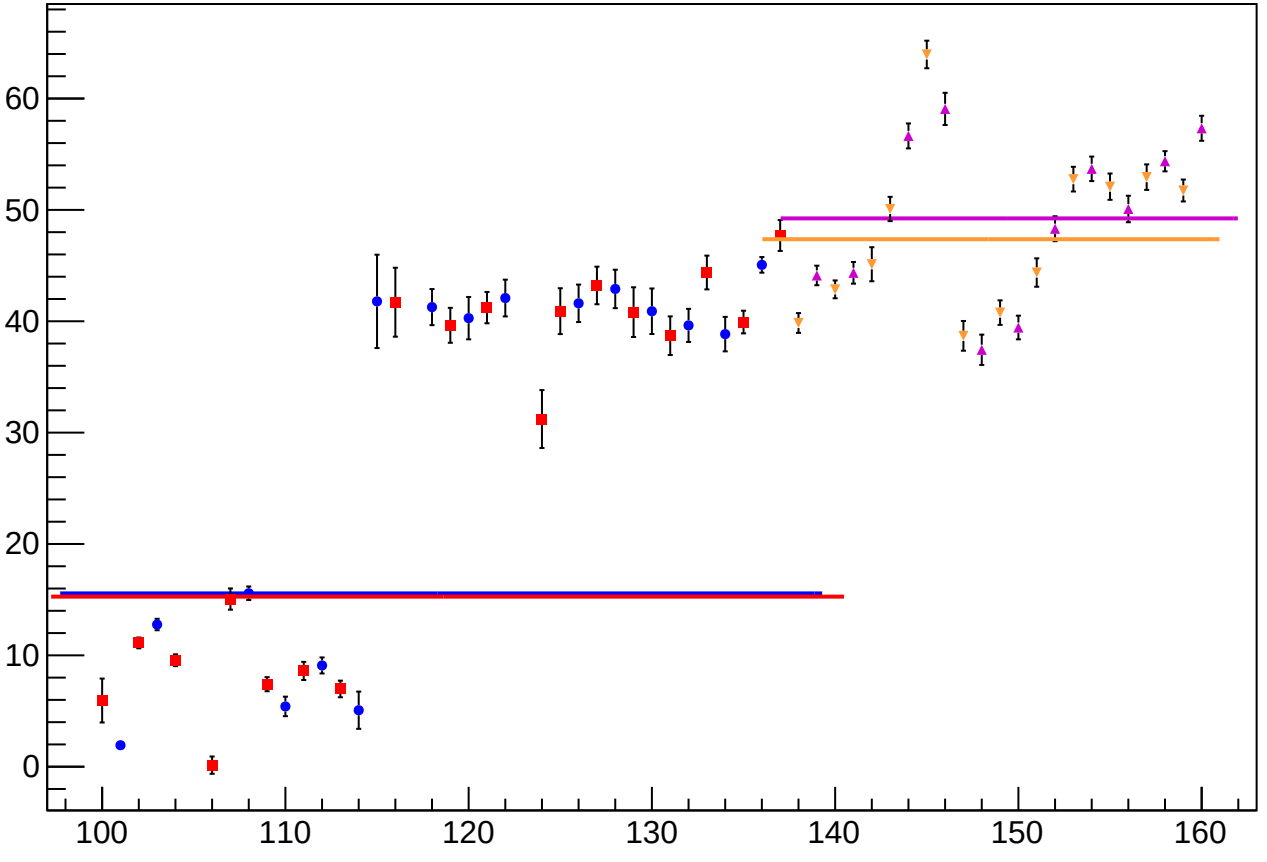
Left In: 45.958+/-0.240 χ^2/NDF:1282.2/10

+ sign 50.996+/-0.159 χ^2/NDF: 2666.7/27

All: 50.674+/-0.114 χ^2/NDF: 5586.0/57

- 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: 47.368+/-0.315 χ^2/NDF:457.8/11

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

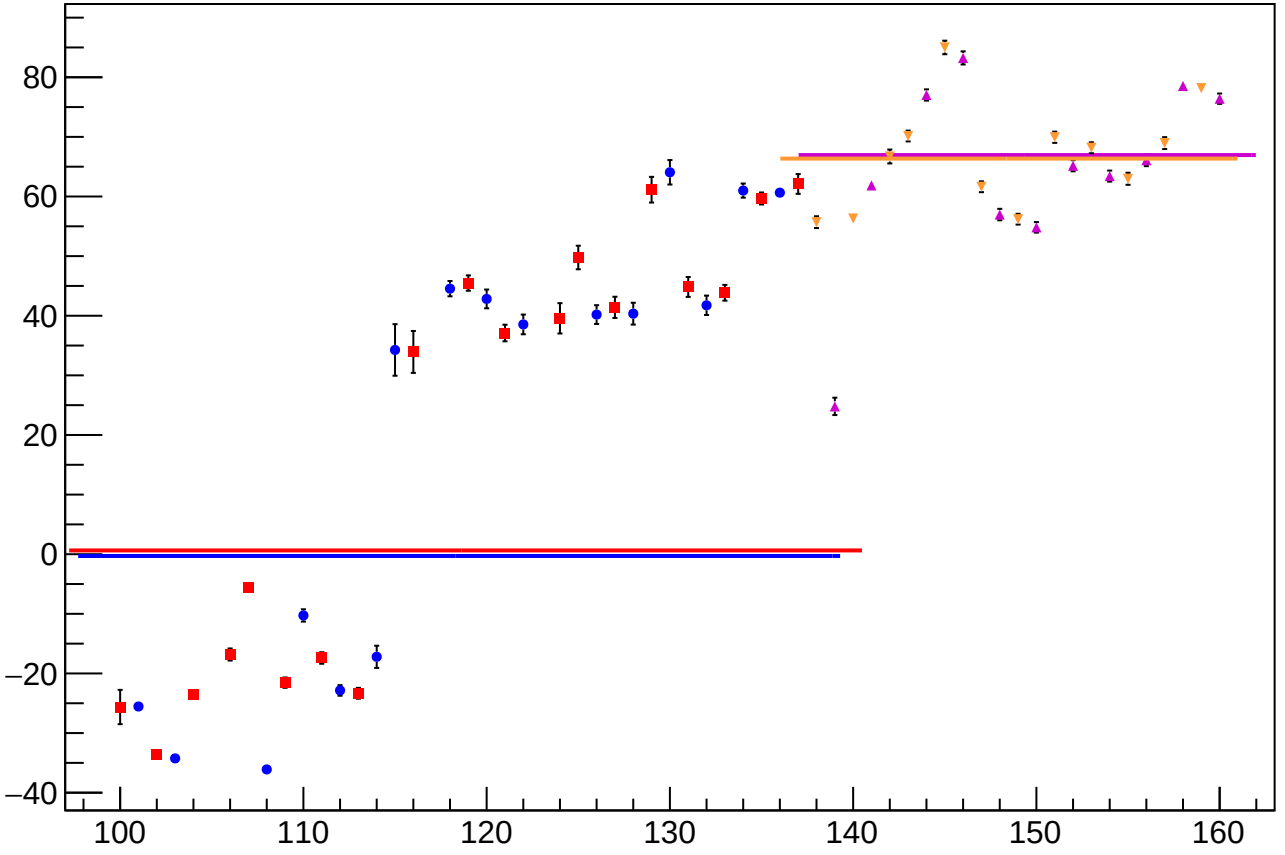
Left In: 49.237+/-0.326 χ^2/NDF:410.9/10

+ sign 25.601+/-0.177 χ^2/NDF: 12608.0/27

All: 25.713+/-0.127 χ^2/NDF: 24360.7/57

- 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: 66.360+/-0.269 χ^2/NDF:1000.9/11

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

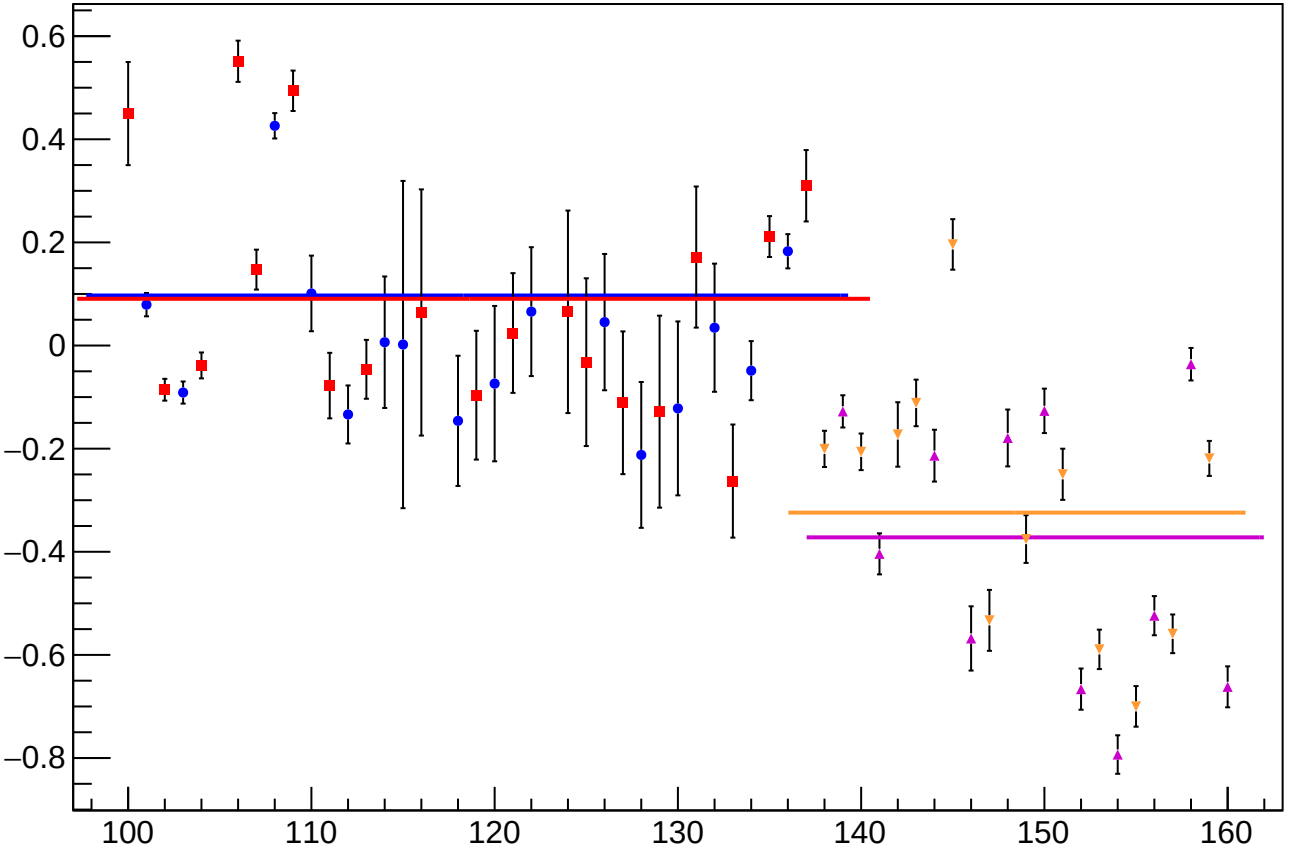
Left In: 66.951+/-0.278 χ^2/NDF:1914.9/10

+ sign 32.112+/-0.187 χ^2/NDF: 53645.7/27

All: 32.068+/-0.134 χ^2/NDF: 101544.9/57

- 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: -0.324+/-0.012 χ^2/NDF:368.1/11

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

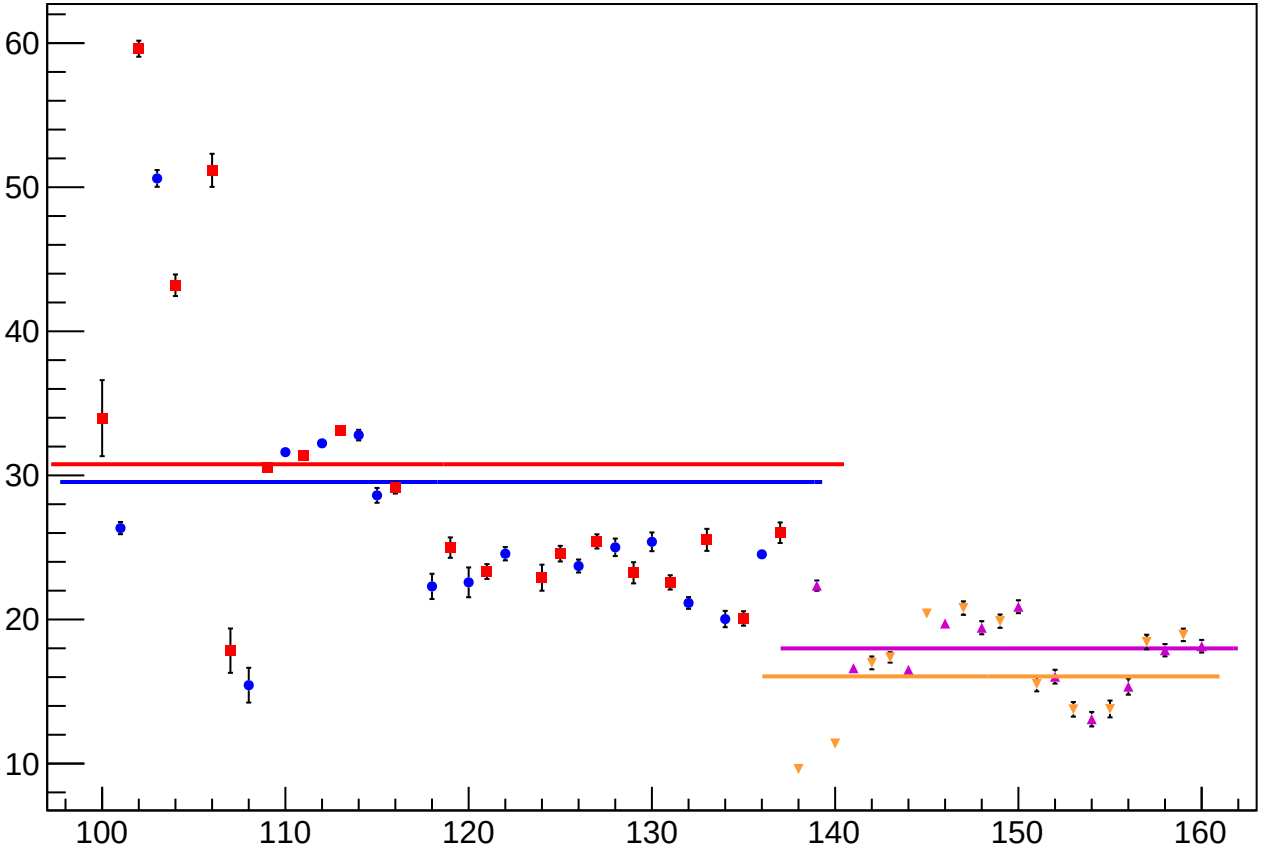
Left In: -0.372+/-0.012 χ^2/NDF:490.3/10

+ sign -0.098+/-0.008 χ^2/NDF: 1318.6/27

All: -0.112+/-0.006 χ^2/NDF: 2990.9/57

- 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: 16.050+/-0.114 χ^2/NDF:1211.1/11

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

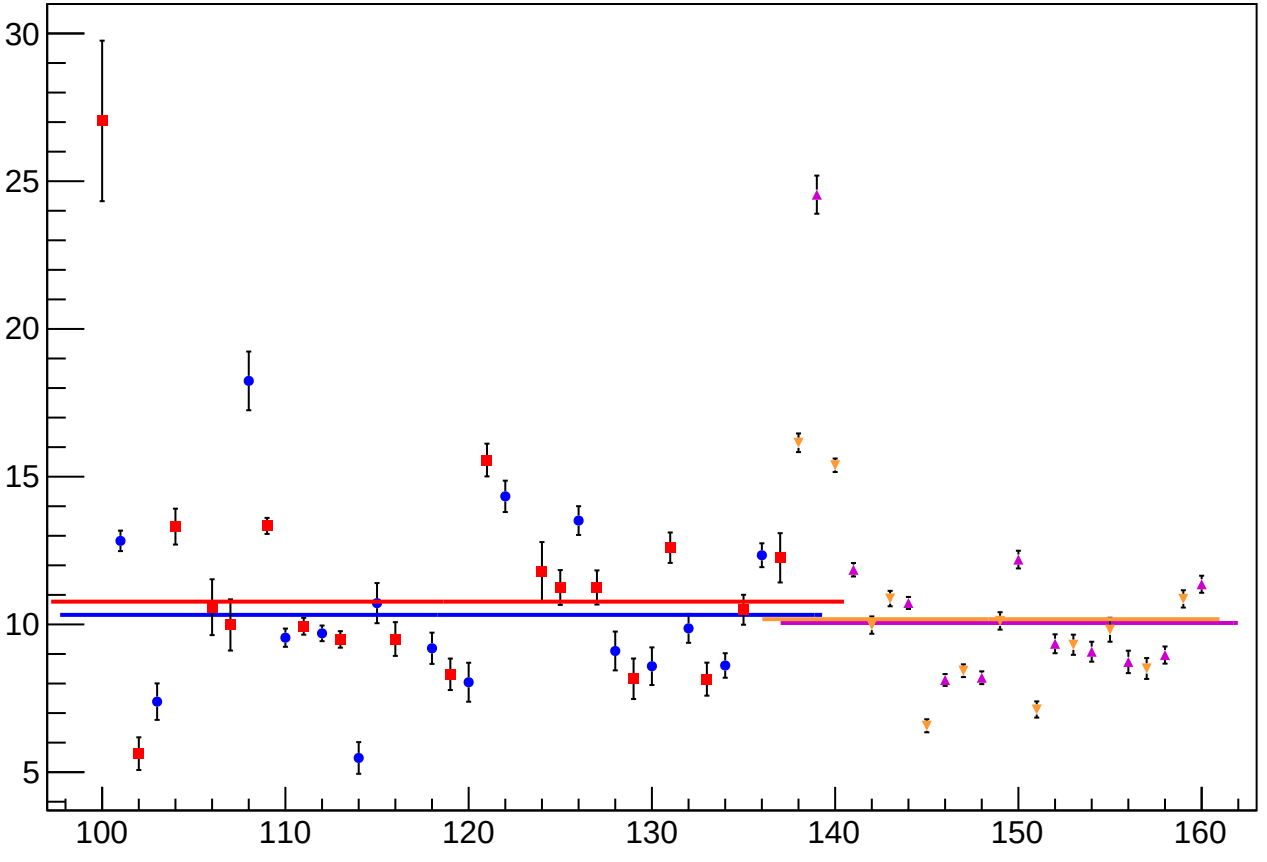
Left In: 17.993+/-0.118 χ^2/NDF:407.6/10

+ sign 24.203+/-0.071 χ^2/NDF: 13101.1/27

All: 25.575+/-0.049 χ^2/NDF: 27264.6/57

- 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: 10.177+/-0.080 χ^2/NDF:1377.6/11

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

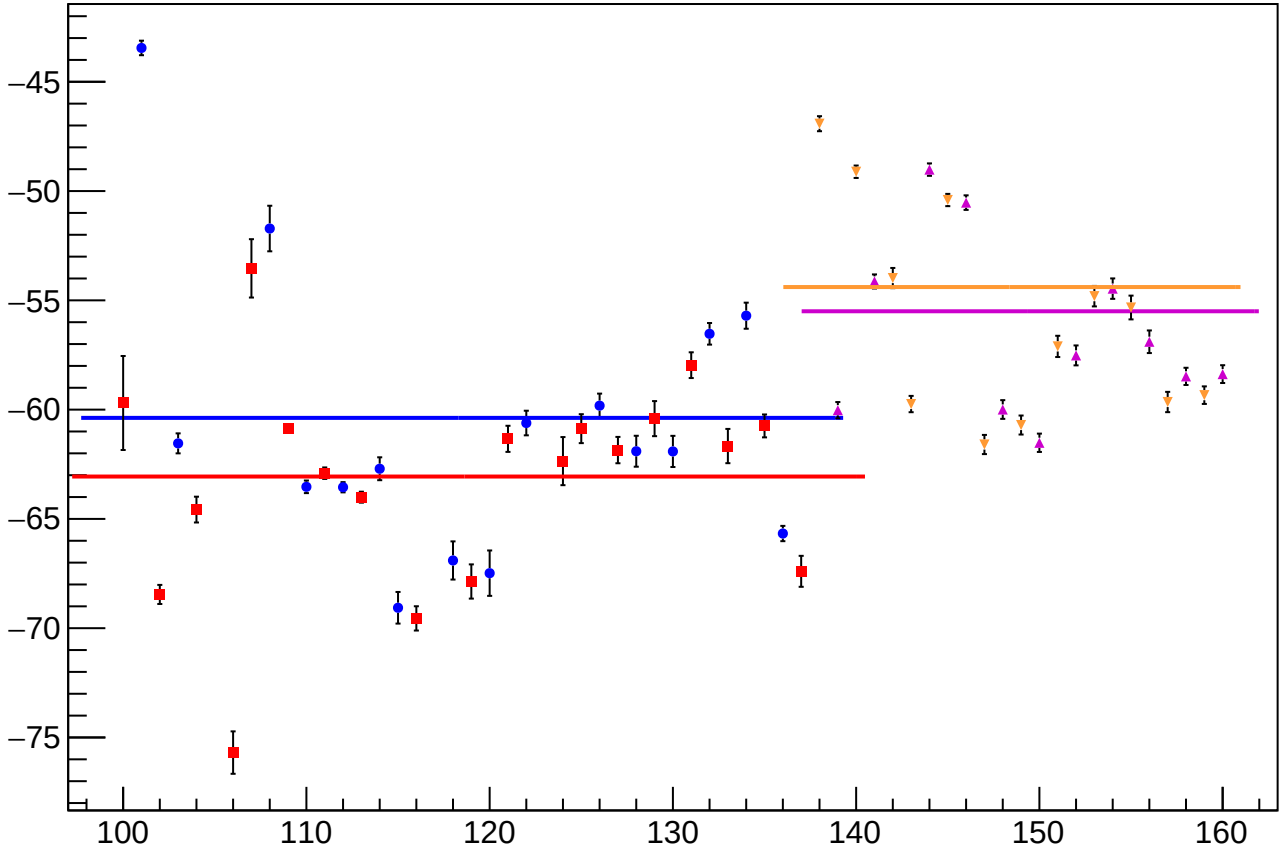
Left In: 10.049+/-0.081 χ^2/NDF:855.0/10

+ sign 10.225+/-0.065 χ^2/NDF: 1781.4/27

All: 10.260+/-0.046 χ^2/NDF: 3079.7/57

- 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: -54.392+/-0.113 χ^2/NDF:2019.1/11

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

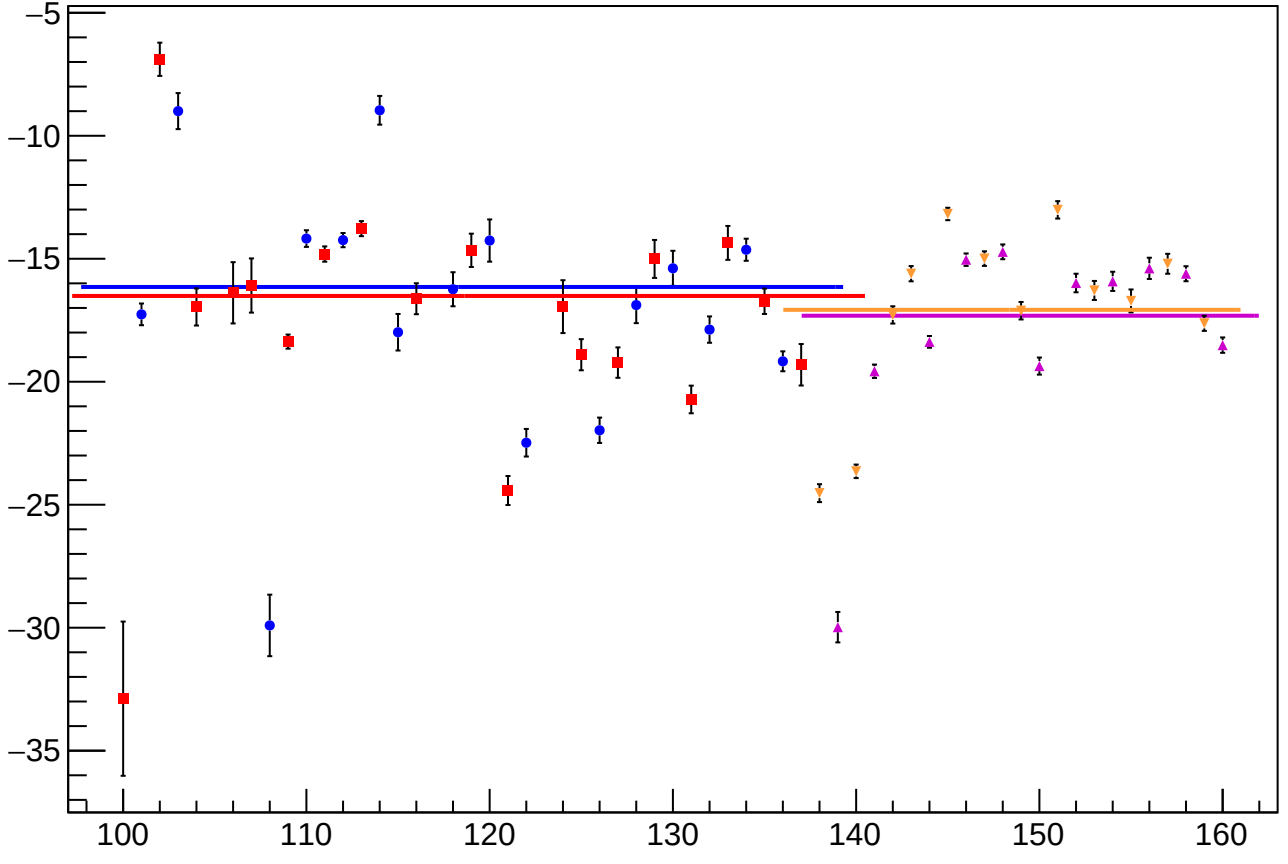
Left In: -55.500+/-0.115 χ^2/NDF:1362.8/10

+ sign -57.374+/-0.080 χ^2/NDF: 7024.4/27

All: -58.483+/-0.056 χ^2/NDF: 11914.1/57

- 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: -17.077+/-0.095 χ^2/NDF:1459.8/11

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

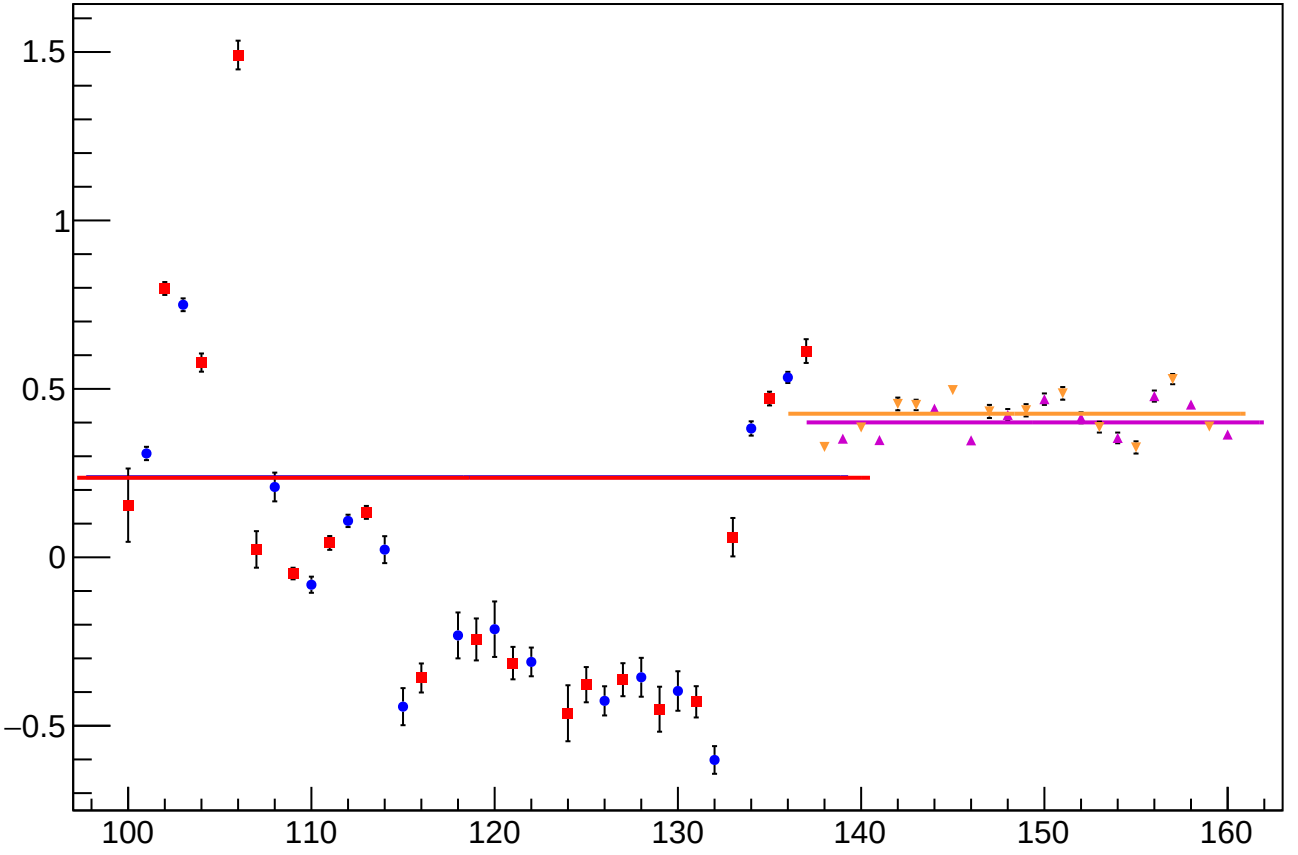
Left In: -17.316+/-0.096 χ^2/NDF:788.0/10

+ sign -16.742+/-0.076 χ^2/NDF: 2291.1/27

All: -16.880+/-0.054 χ^2/NDF: 3796.4/57

- 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: 0.426+/-0.004 χ^2/NDF:206.1/11

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

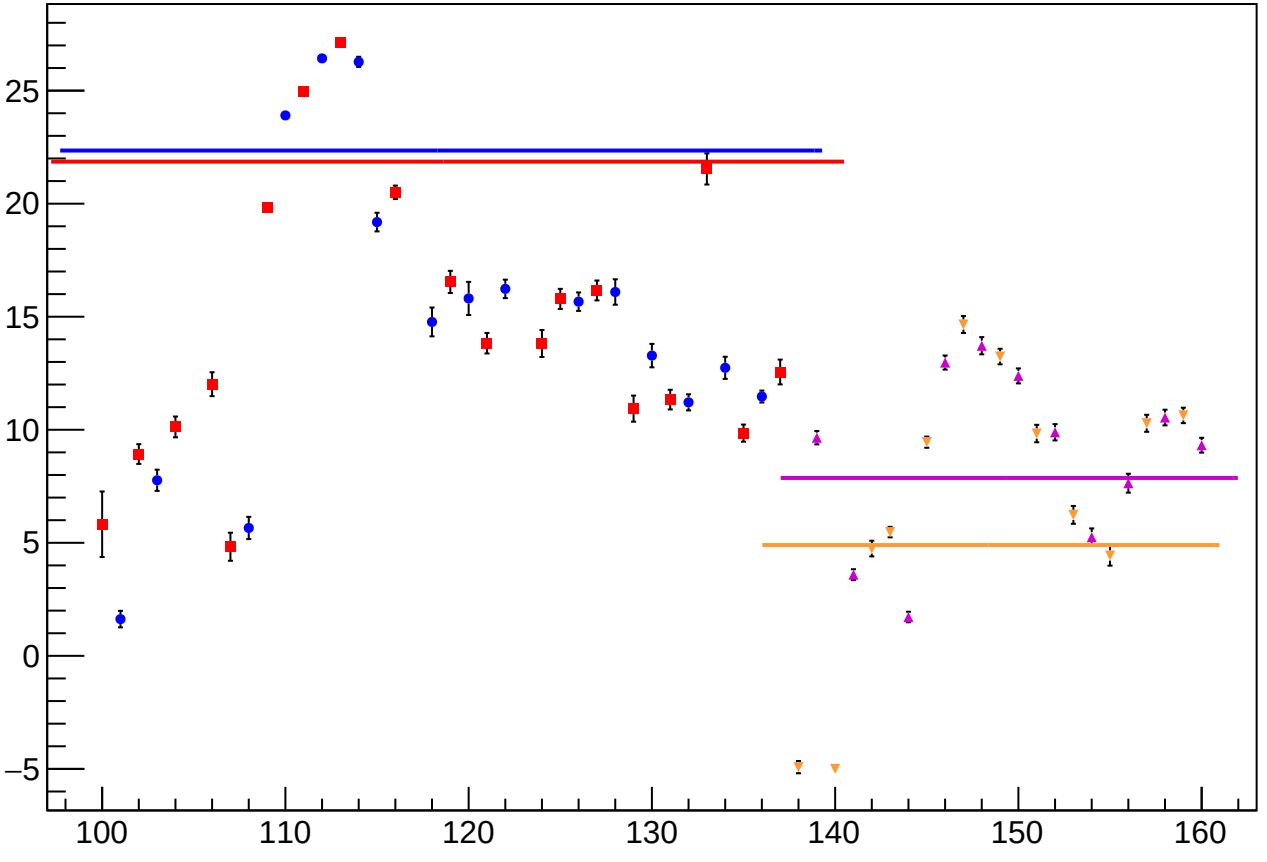
Left In: 0.400+/-0.004 χ^2/NDF:123.8/10

+ sign 0.373+/-0.004 χ^2/NDF: 3351.0/27

All: 0.364+/-0.003 χ^2/NDF: 7468.4/57

- 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: 4.900+/-0.088 χ^2/NDF:5728.6/11

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

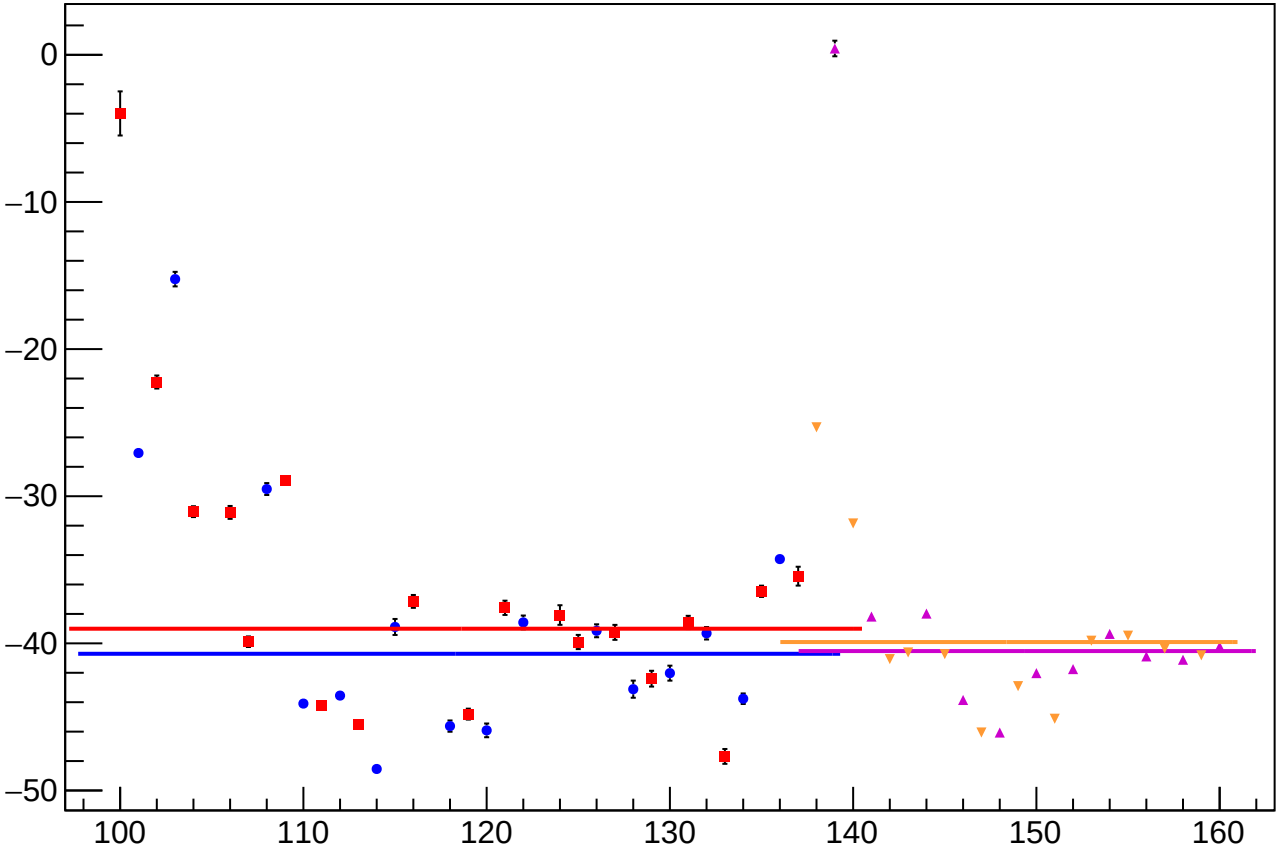
Left In: 7.869+/-0.095 χ^2/NDF:1894.4/10

+ sign 17.284+/-0.048 χ^2/NDF: 45705.9/27

All: 18.354+/-0.031 χ^2/NDF: 76748.1/57

- 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: -39.911+/-0.062 χ^2/NDF:7330.2/11

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

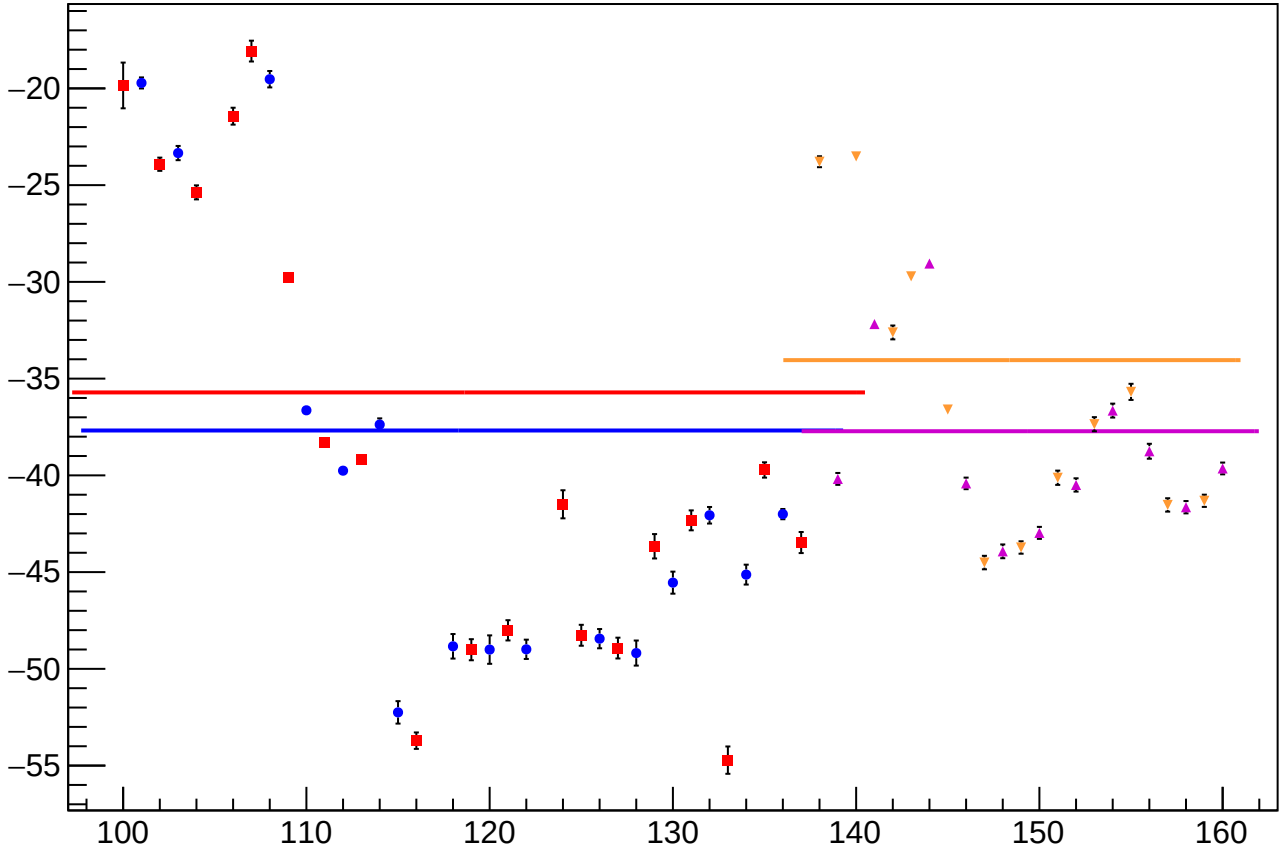
Left In: -40.524+/-0.065 χ^2/NDF:7706.7/10

+ sign -40.227+/-0.048 χ^2/NDF: 15176.2/27

All: -40.027+/-0.034 χ^2/NDF: 33266.2/57

- 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: -34.044+/-0.087 χ^2/NDF:7222.9/11

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

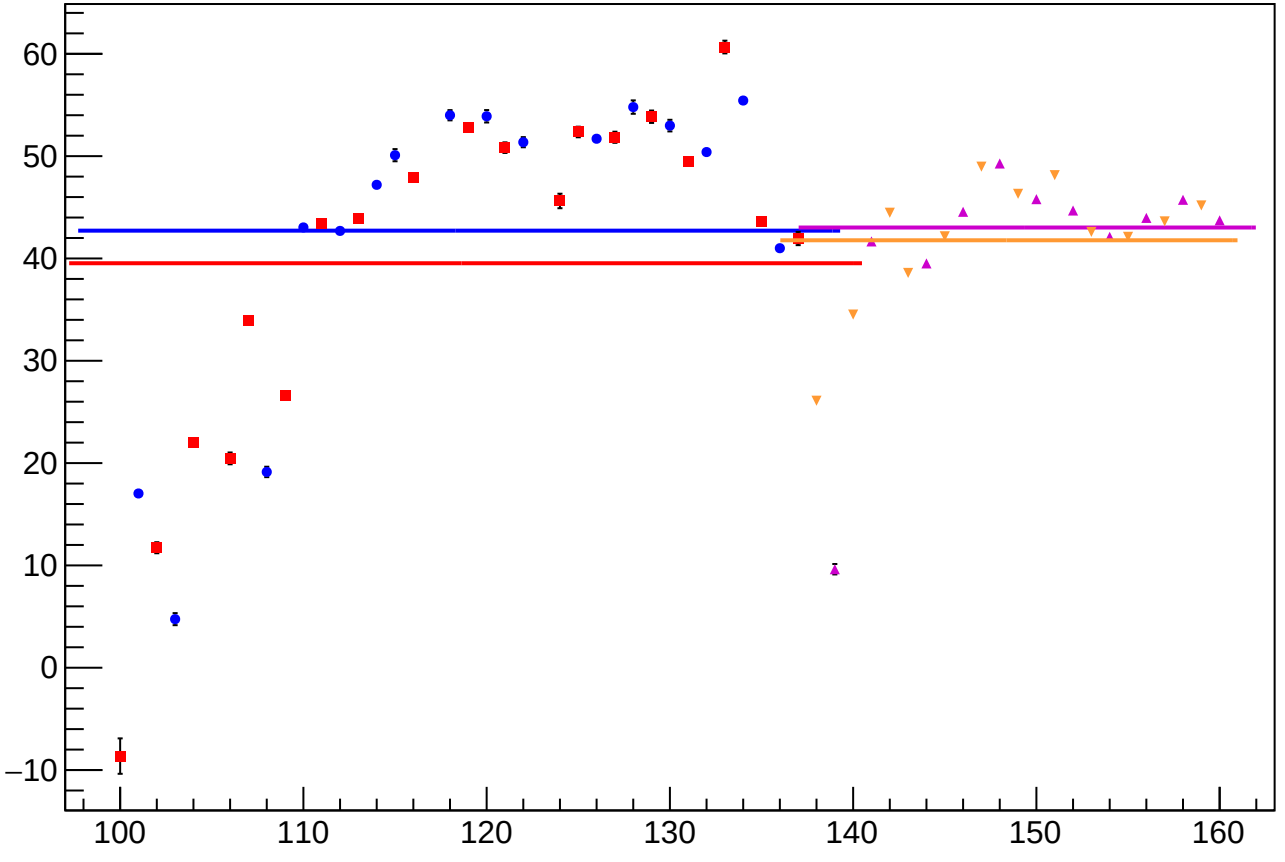
Left In: -37.718+/-0.092 χ^2/NDF:2814.0/10

+ sign -36.170+/-0.056 χ^2/NDF: 19087.0/27

All: -36.276+/-0.039 χ^2/NDF: 35499.5/57

- 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: 41.777+/-0.074 χ^2/NDF:6251.2/11

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

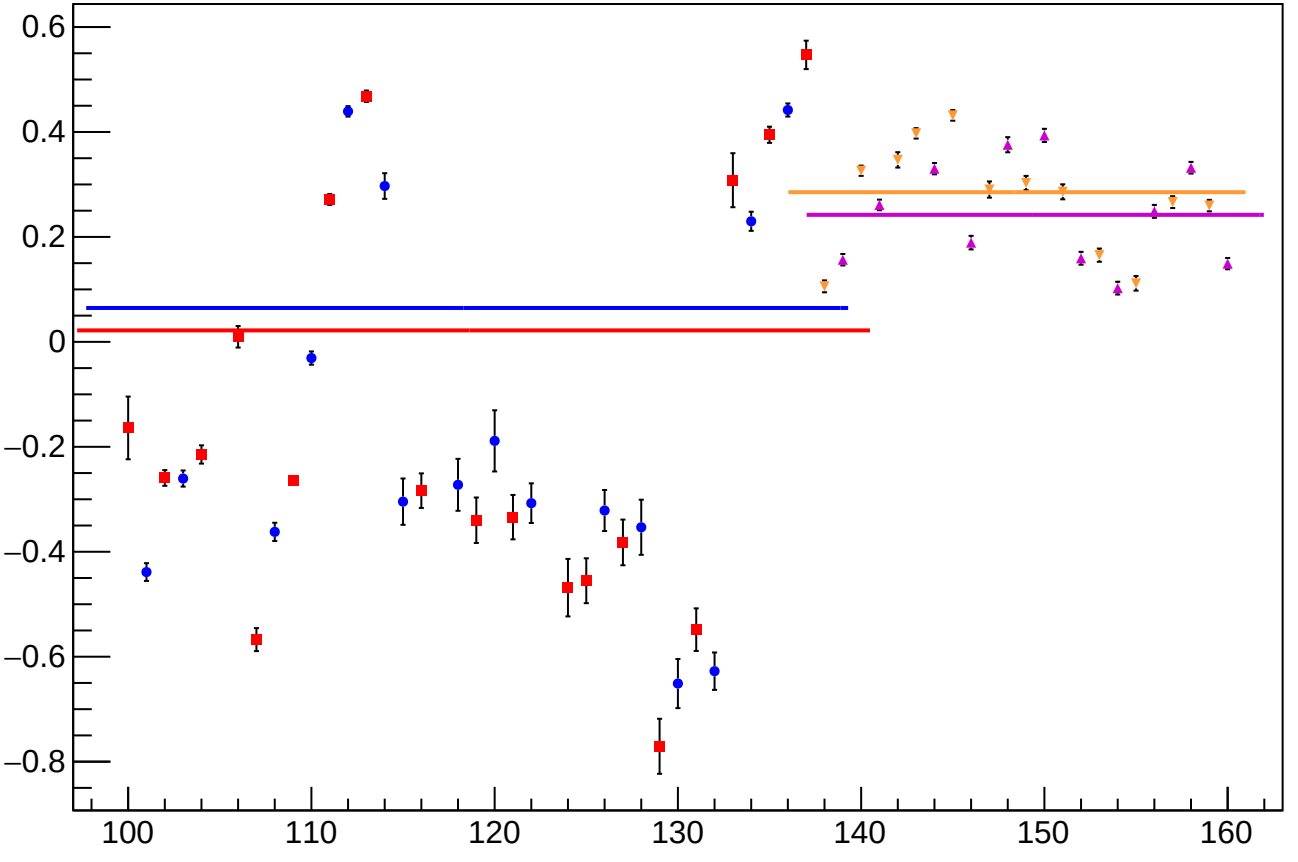
Left In: 43.024+/-0.077 χ^2/NDF:5612.1/10

+ sign 42.182+/-0.056 χ^2/NDF: 21085.9/27

All: 41.736+/-0.039 χ^2/NDF: 45813.7/57

- 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: 0.285+/-0.003 χ^2/NDF:878.1/11

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

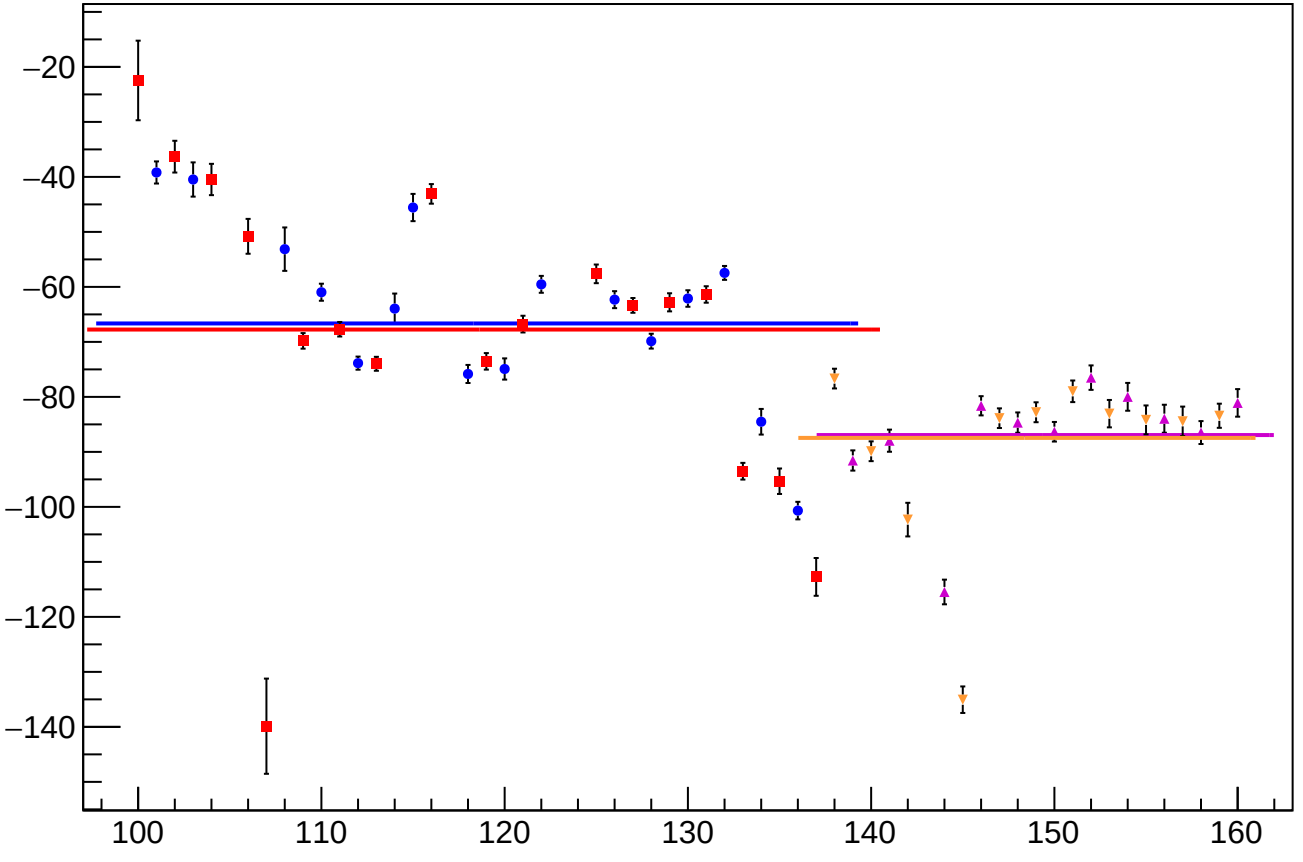
Left In: 0.242+/-0.004 χ^2/NDF:694.6/10

+ sign 0.211+/-0.003 χ^2/NDF: 7758.5/27

All: 0.183+/-0.002 χ^2/NDF: 16592.4/57

- 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: -87.457+/-0.642 χ^2/NDF:490.0/10

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

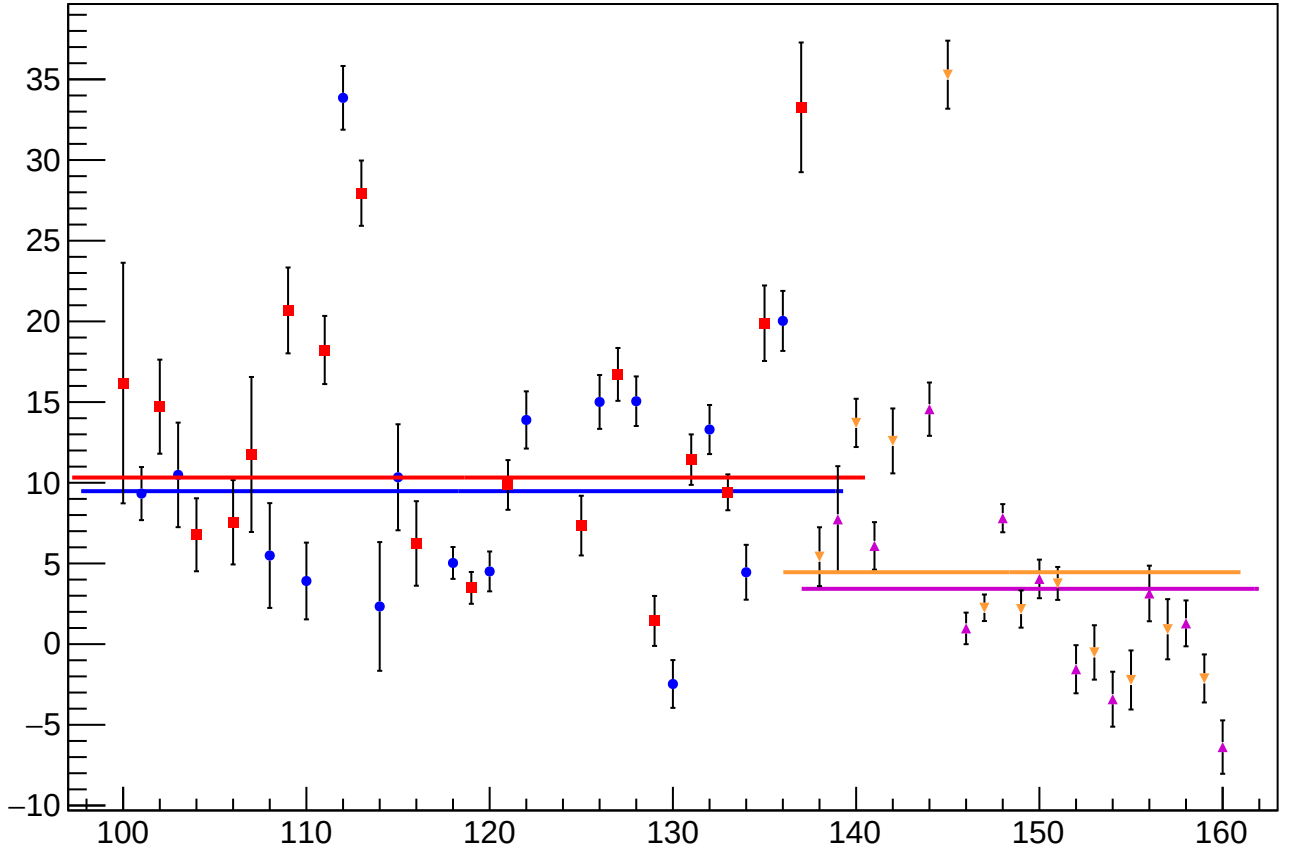
Left In: -86.939+/-0.623 χ^2/NDF:215.7/10

+ sign -73.017+/-0.355 χ^2/NDF: 2272.3/26

All: -73.388+/-0.248 χ^2/NDF: 4398.6/55

- 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: 4.457+/-0.415 χ^2/NDF:325.5/10

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

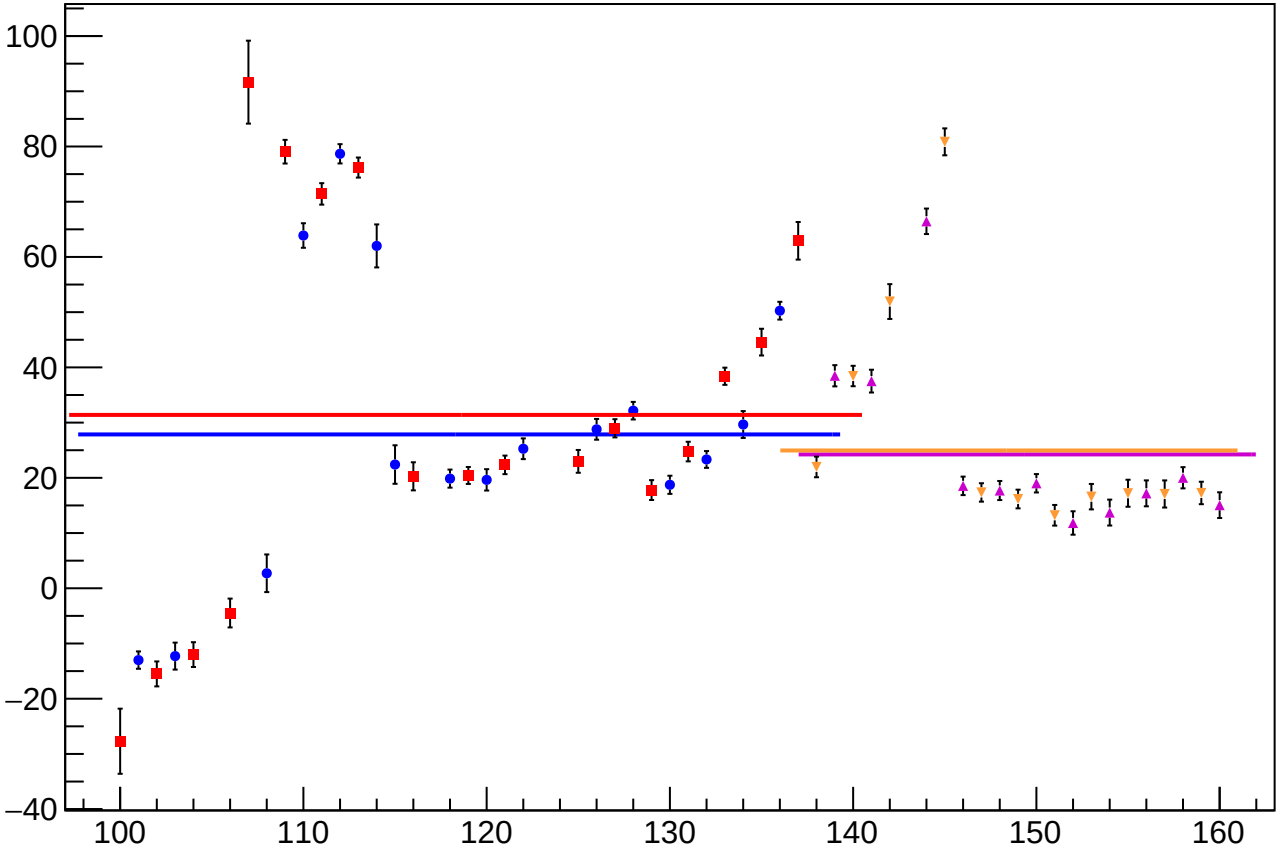
Left In: 3.428+/-0.409 χ^2/NDF:146.9/10

+ sign 6.892+/-0.298 χ^2/NDF: 738.3/26

All: 6.776+/-0.211 χ^2/NDF: 1282.0/55

- 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: 24.954+/-0.620 χ^2/NDF:788.5/10

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

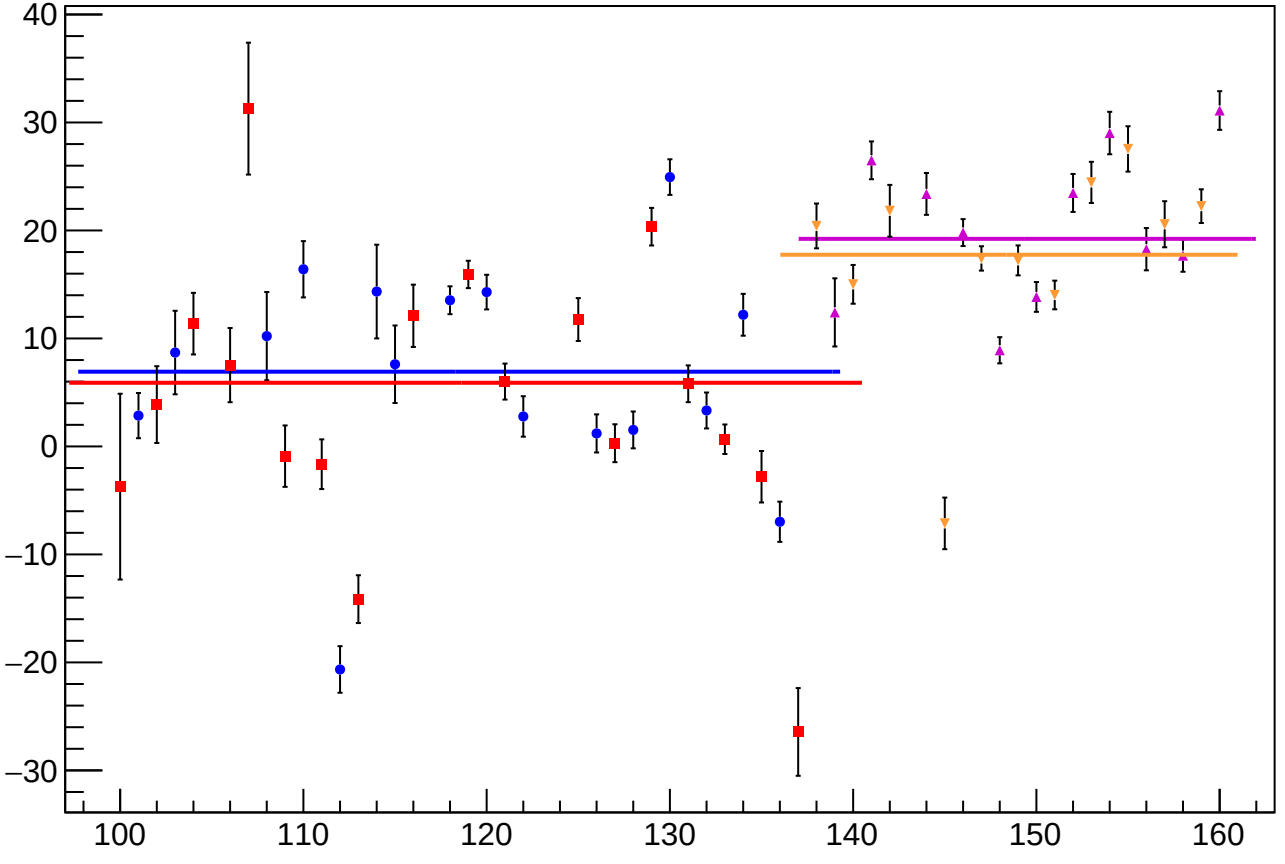
Left In: 24.239+/-0.599 χ^2/NDF:550.3/10

+ sign 26.763+/-0.381 χ^2/NDF: 3276.2/26

All: 27.659+/-0.268 χ^2/NDF: 6934.7/55

- 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: 17.750+/-0.507 χ^2/NDF:167.5/10

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

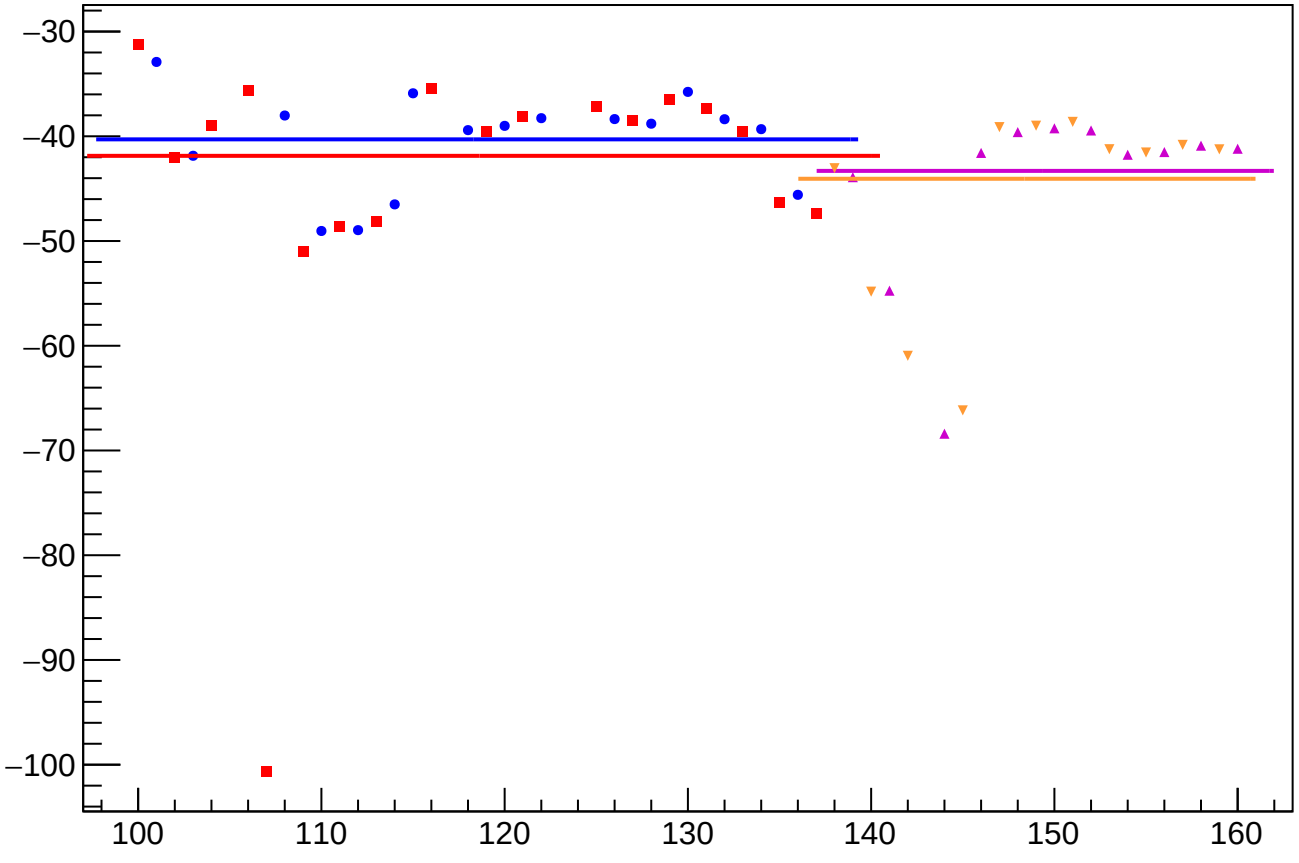
Left In: 19.223+/-0.491 χ^2/NDF:190.4/10

+ sign 12.217+/-0.354 χ^2/NDF: 845.3/26

All: 12.461+/-0.249 χ^2/NDF: 1764.4/55

- 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: -44.056+/-0.024 χ^2/NDF:107540.7/10

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

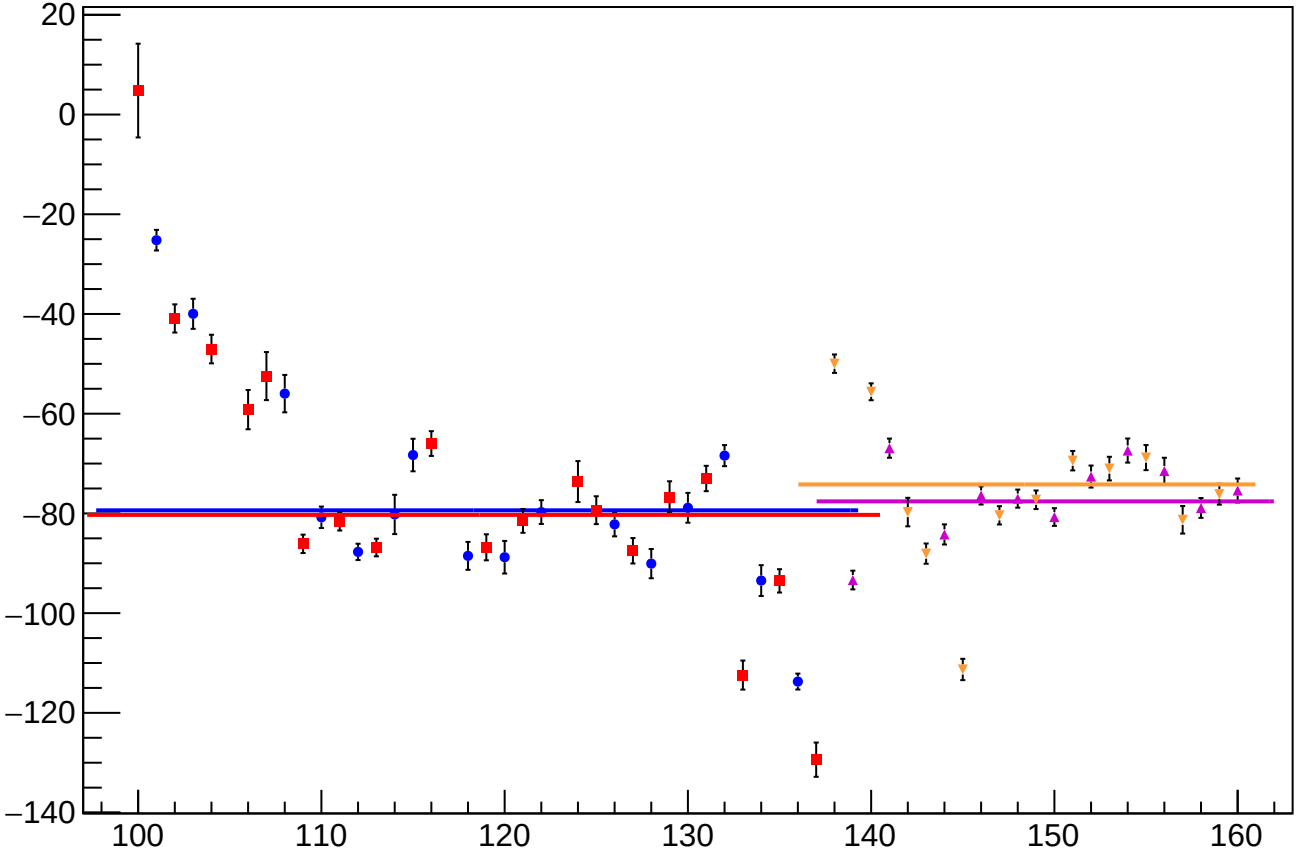
Left In: -43.304+/-0.023 χ^2/NDF:89391.2/10

\+ sign -42.663+/-0.019 χ^2/NDF: 137250.7/26

All: -42.747+/-0.013 χ^2/NDF: 286751.2/55

\- 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: -74.186+/-0.601 χ^2/NDF:677.8/11

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

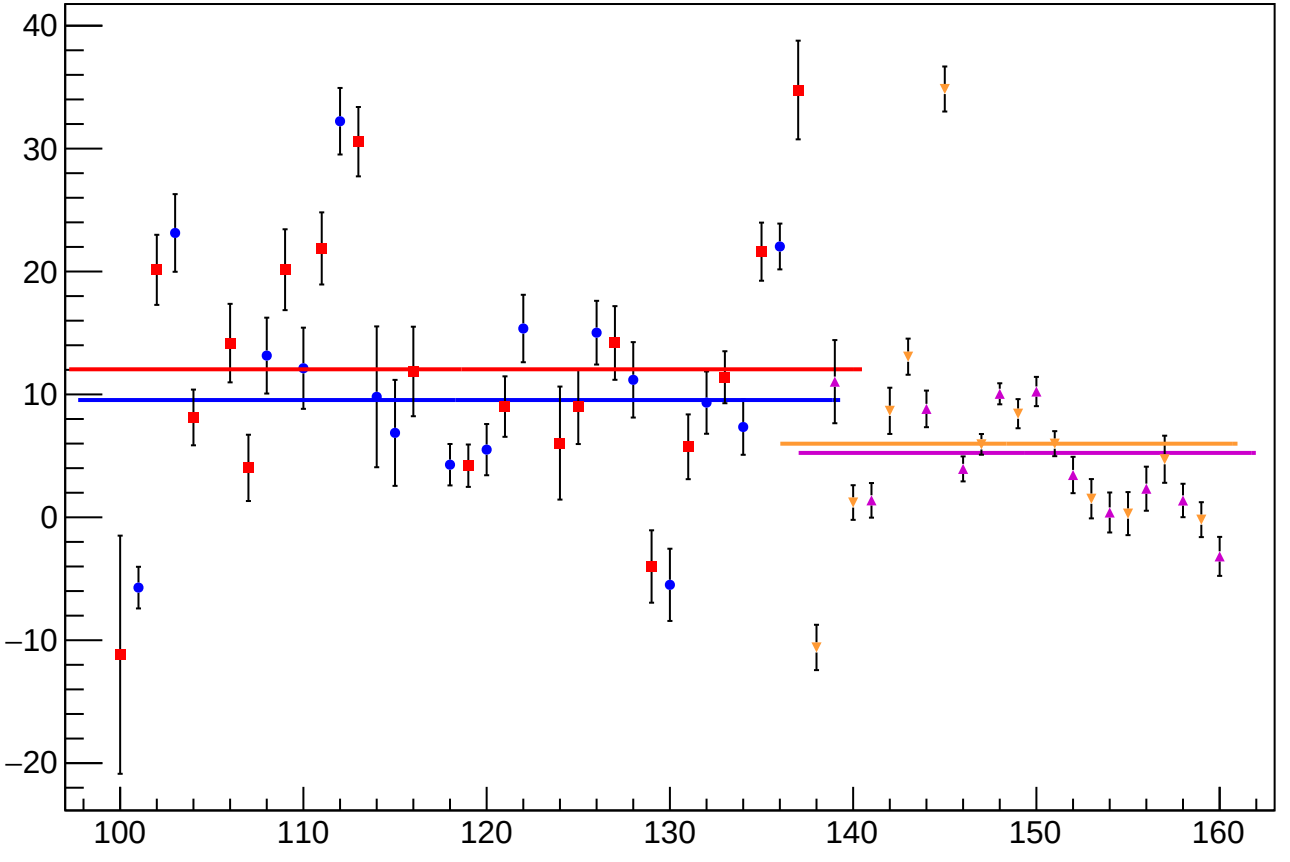
Left In: -77.585+/-0.613 χ^2/NDF:145.1/10

+ sign -76.740+/-0.428 χ^2/NDF: 2190.5/27

All: -77.845+/-0.304 χ^2/NDF: 3273.5/57

- 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: 5.991+/-0.395 χ^2/NDF:407.7/11

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

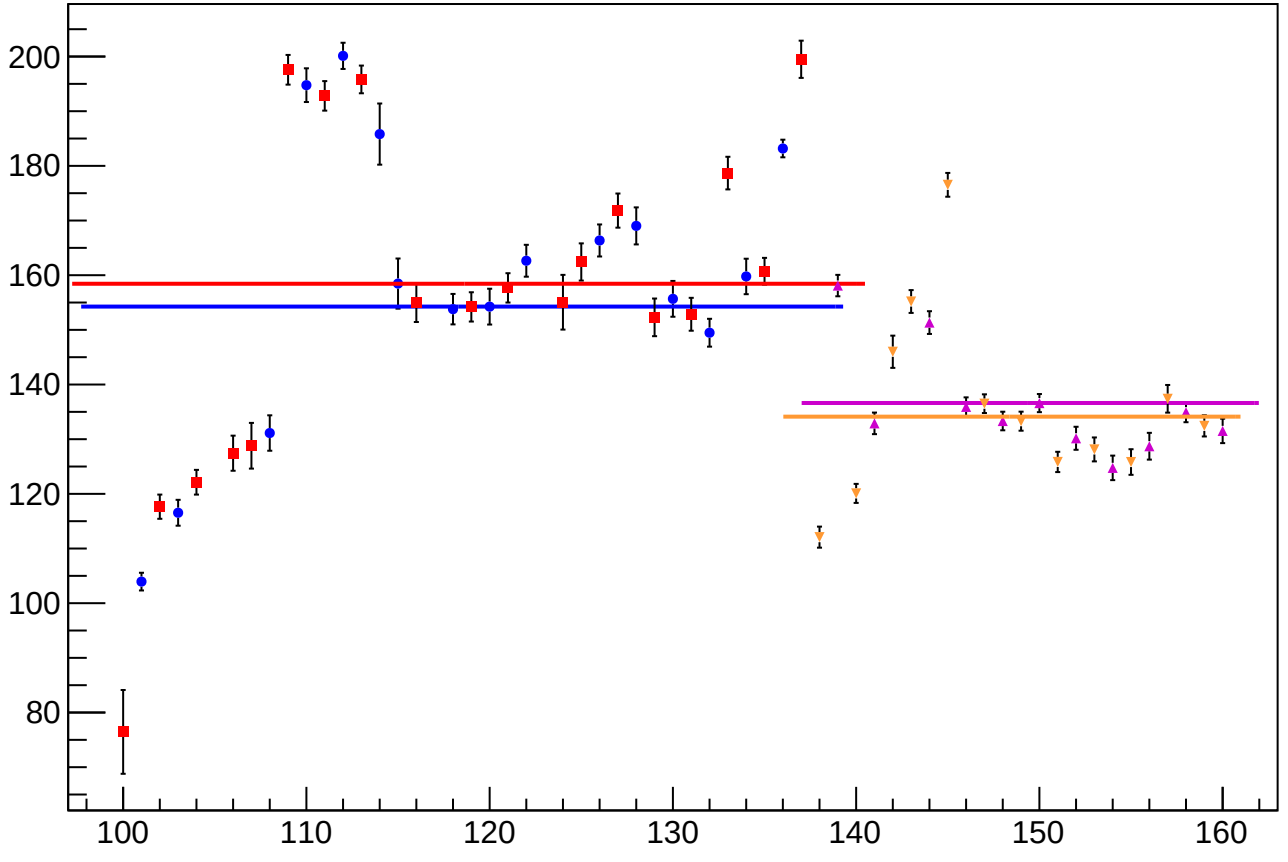
Left In: 5.241+/-0.403 χ^2/NDF:116.2/10

+ sign 7.014+/-0.333 χ^2/NDF: 698.0/27

All: 7.097+/-0.238 χ^2/NDF: 1091.7/57

- 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: 134.124+/-0.584 χ^2/NDF:737.8/11

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

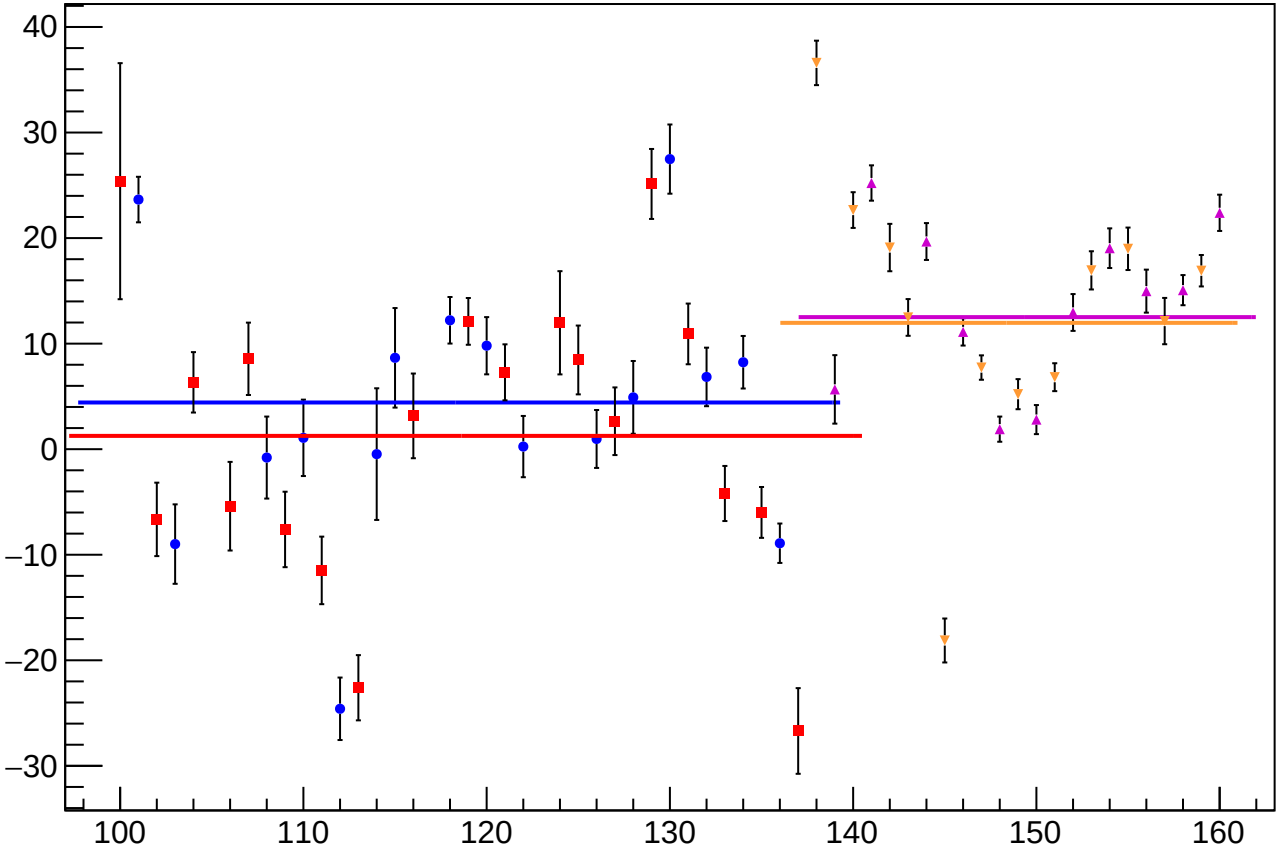
Left In: 136.624+/-0.590 χ^2/NDF:231.6/10

+ sign 142.944+/-0.438 χ^2/NDF: 3471.9/27

All: 144.416+/-0.313 χ^2/NDF: 5975.5/57

- 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: 11.970+/-0.479 χ^2/NDF:477.4/11

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

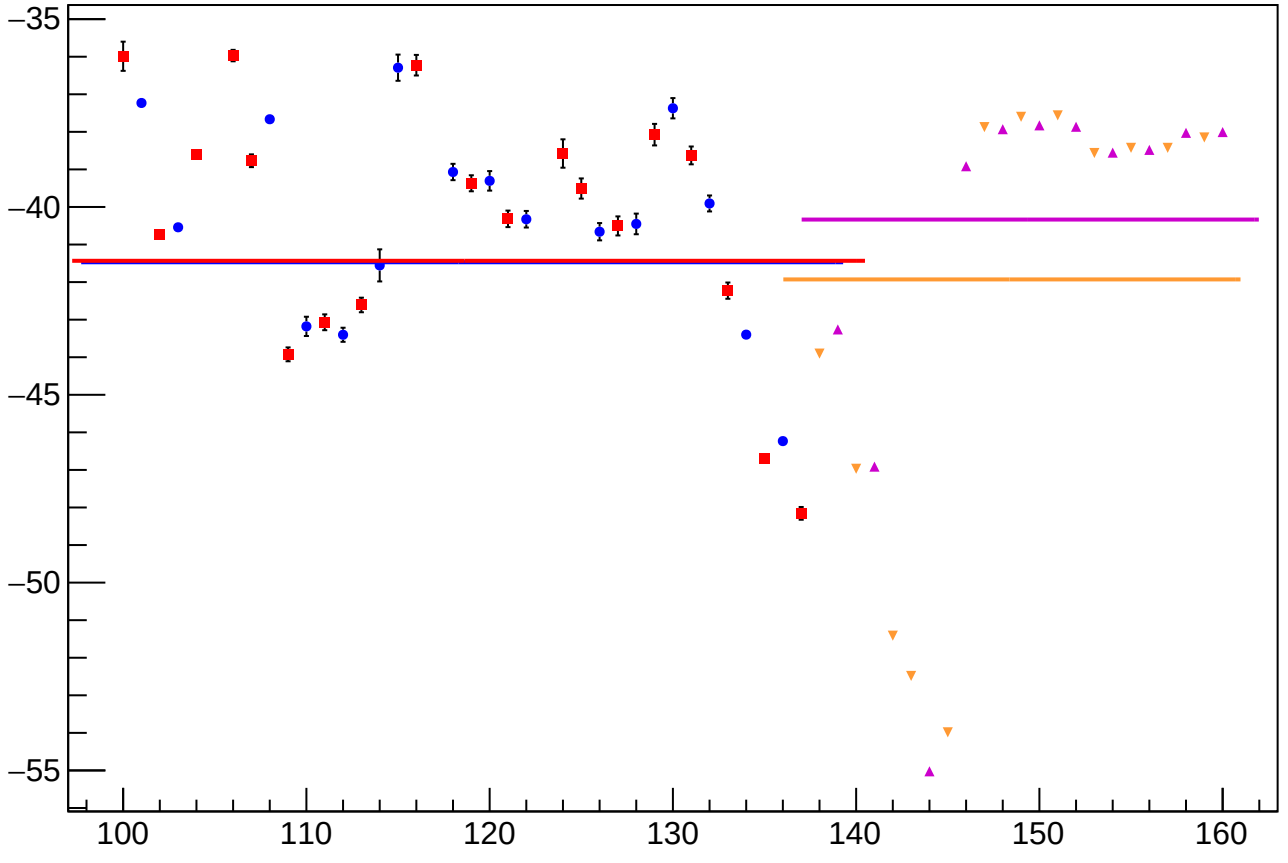
Left In: 12.512+/-0.483 χ^2/NDF:258.9/10

+ sign 9.627+/-0.398 χ^2/NDF: 870.5/27

All: 9.366+/-0.283 χ^2/NDF: 1559.9/57

- 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: -41.929+/-0.023 χ^2/NDF:64268.9/11

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

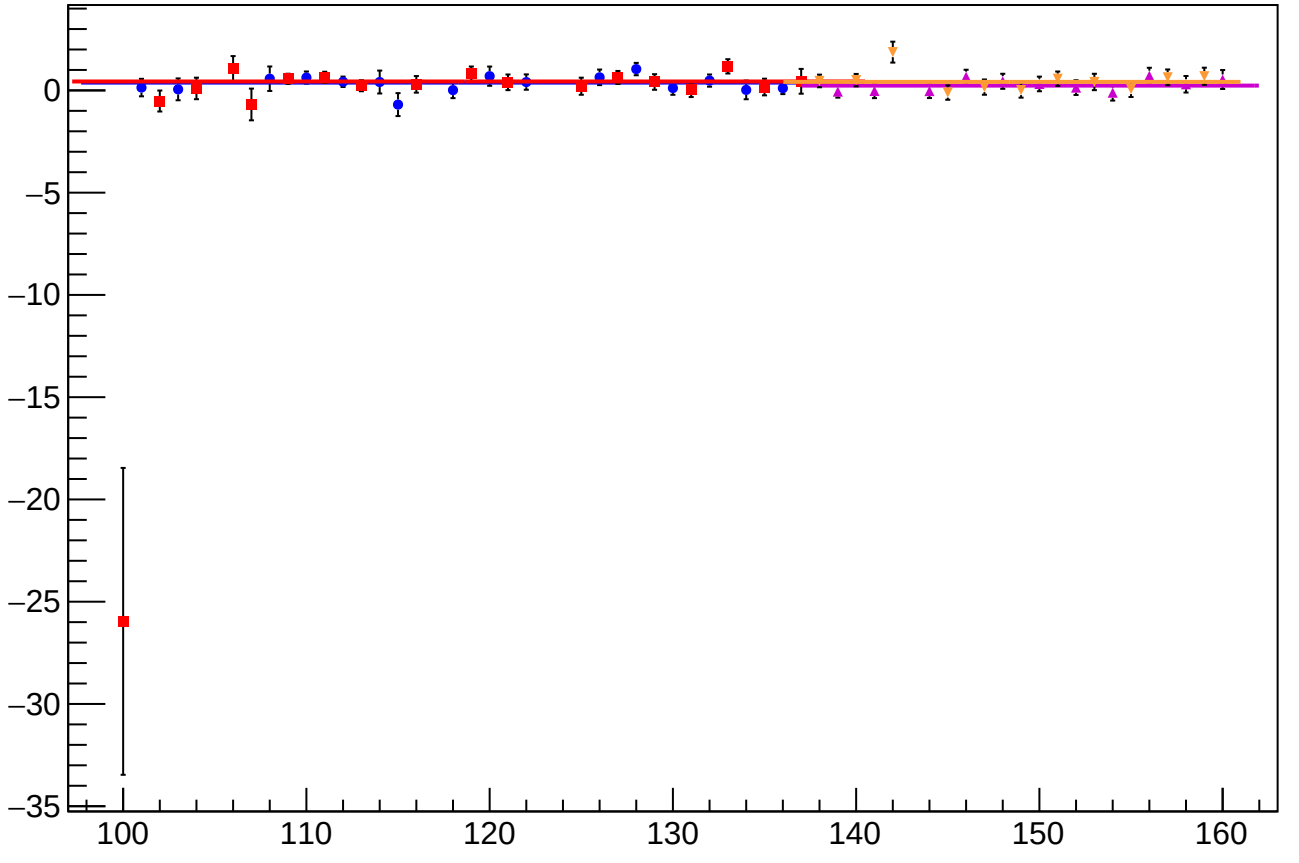
Left In: -40.335+/-0.022 χ^2/NDF:40568.7/10

+ sign -41.808+/-0.020 χ^2/NDF: 72286.7/27

All: -41.202+/-0.014 χ^2/NDF: 123579.1/57

- 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: 0.417+/-0.111 χ^2/NDF:13.8/10

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

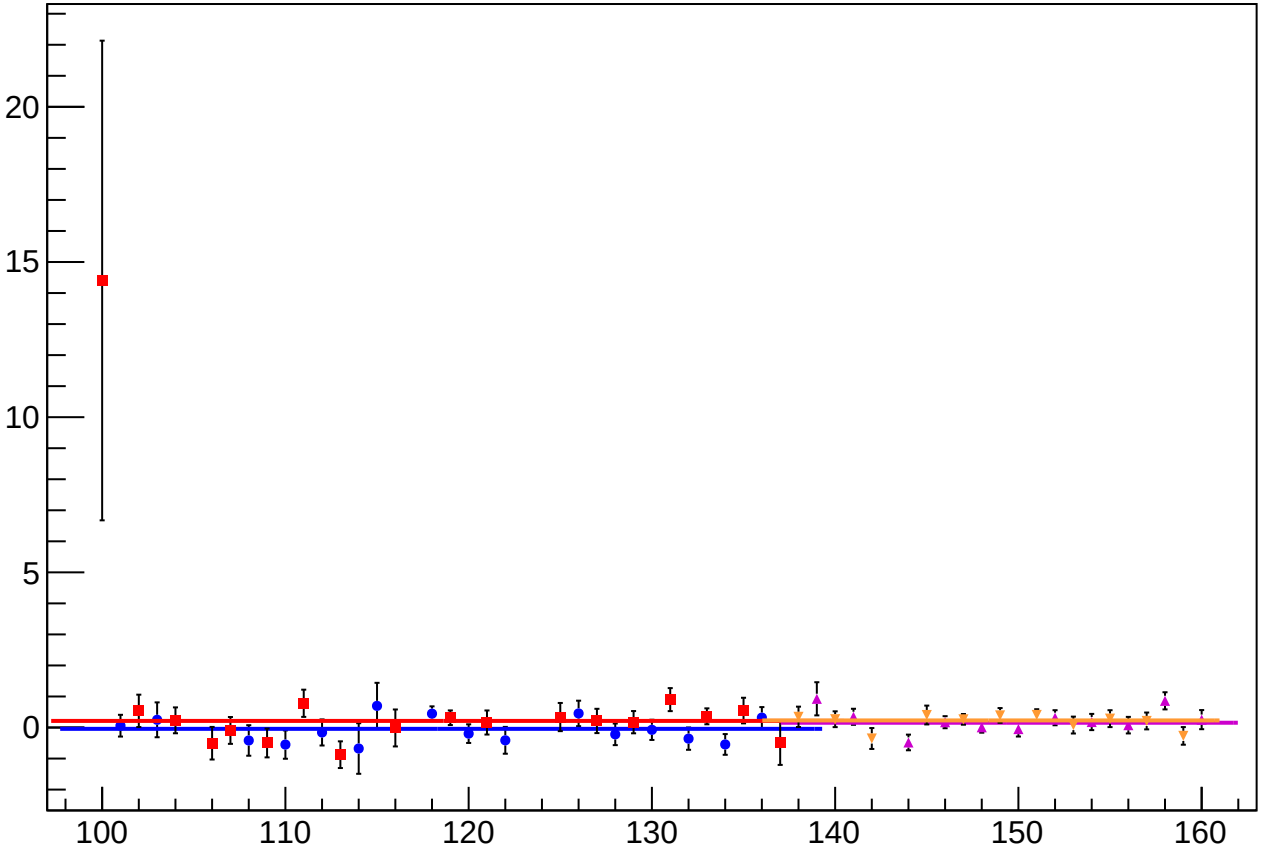
Left In: 0.235+/-0.109 χ^2/NDF:7.0/10

+ sign 0.396+/-0.071 χ^2/NDF: 27.8/26

All: 0.375+/-0.050 χ^2/NDF: 66.0/55

- 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: 0.229+/-0.075 χ^2/NDF:8.3/10

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

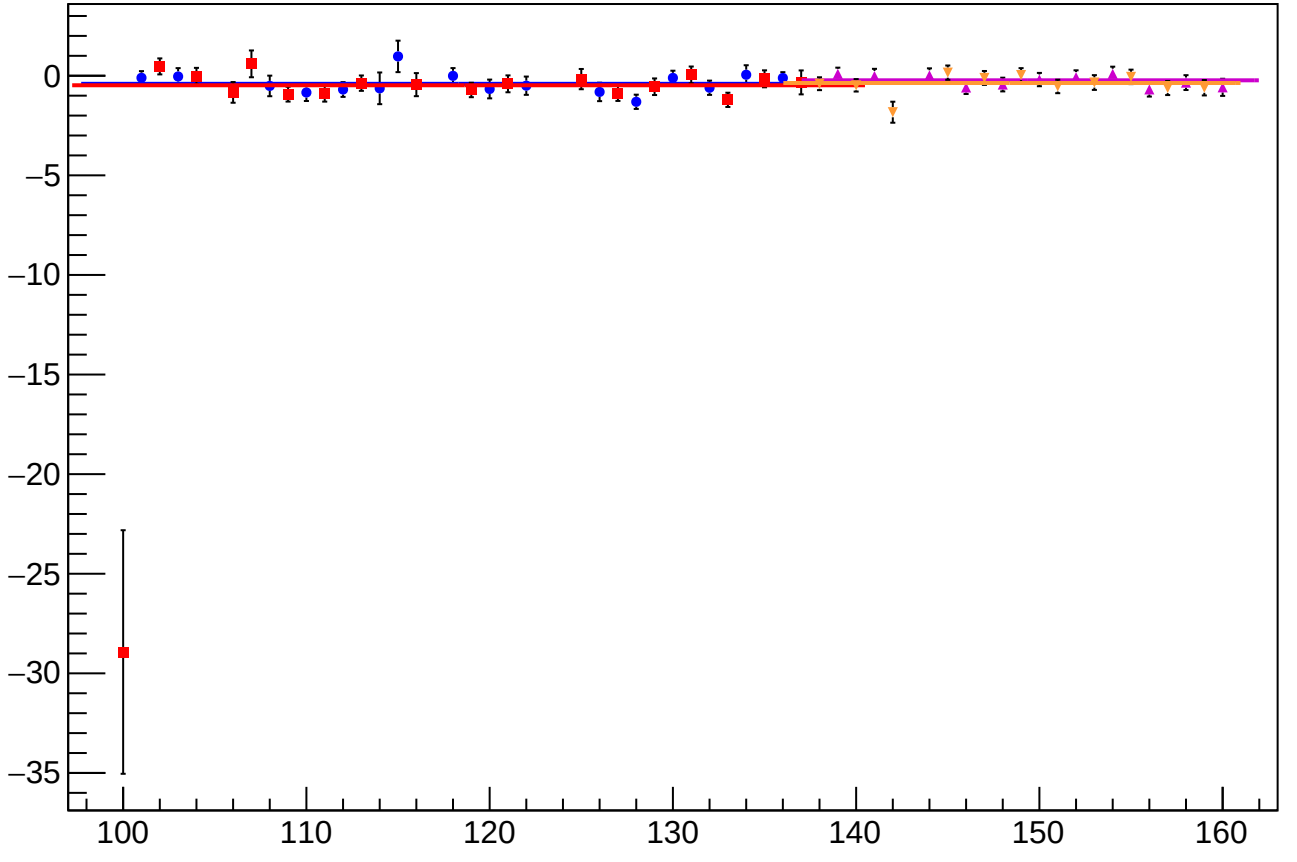
Left In: 0.154+/-0.074 χ^2/NDF:17.6/10

+ sign 0.123+/-0.059 χ^2/NDF: 28.4/26

All: 0.150+/-0.041 χ^2/NDF: 69.0/55

- 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: -0.364+/-0.108 χ^2/NDF:13.7/10

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

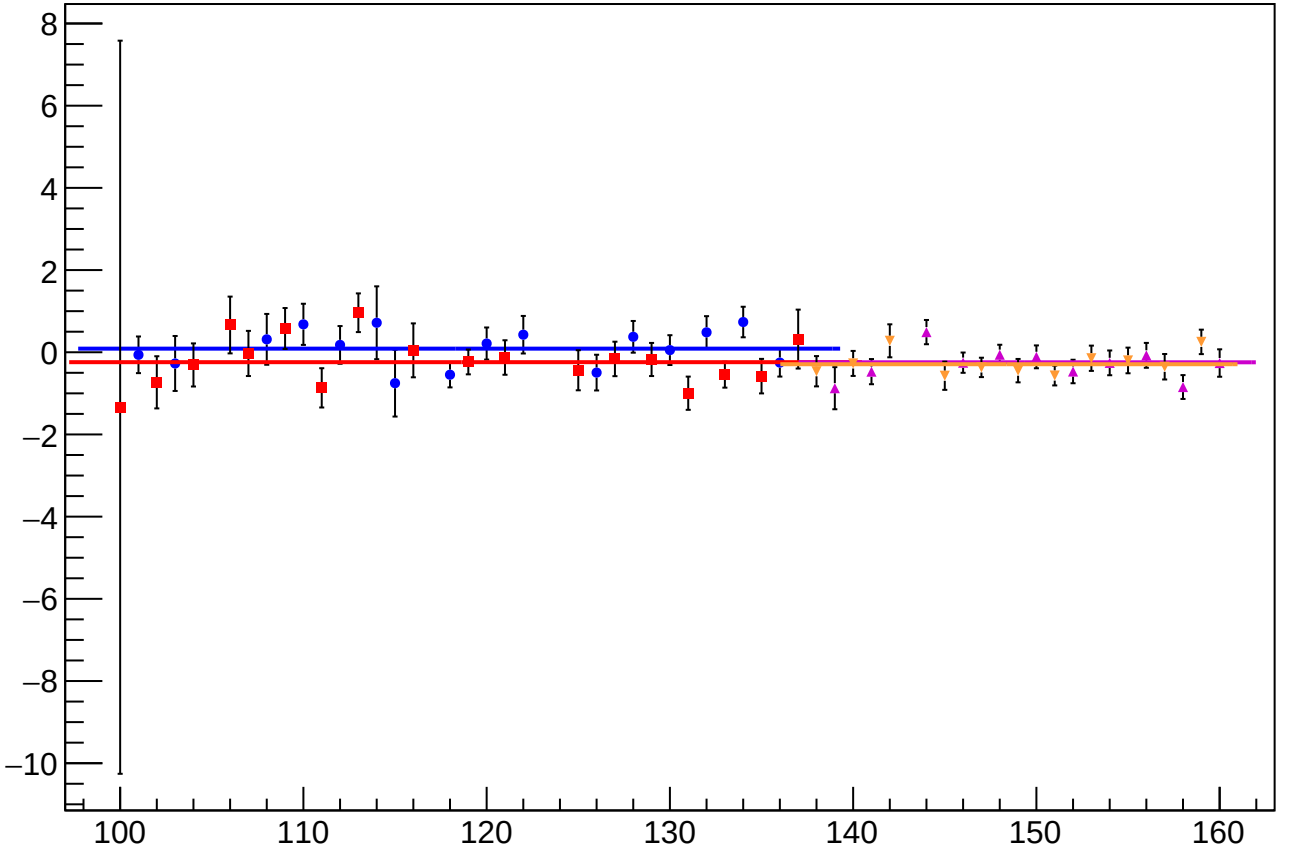
Left In: -0.229+/-0.106 χ^2/NDF:7.0/10

+ sign -0.386+/-0.075 χ^2/NDF: 31.6/26

All: -0.370+/-0.053 χ^2/NDF: 83.7/55

- 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: -0.291+/-0.090 χ^2/NDF:8.3/10

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

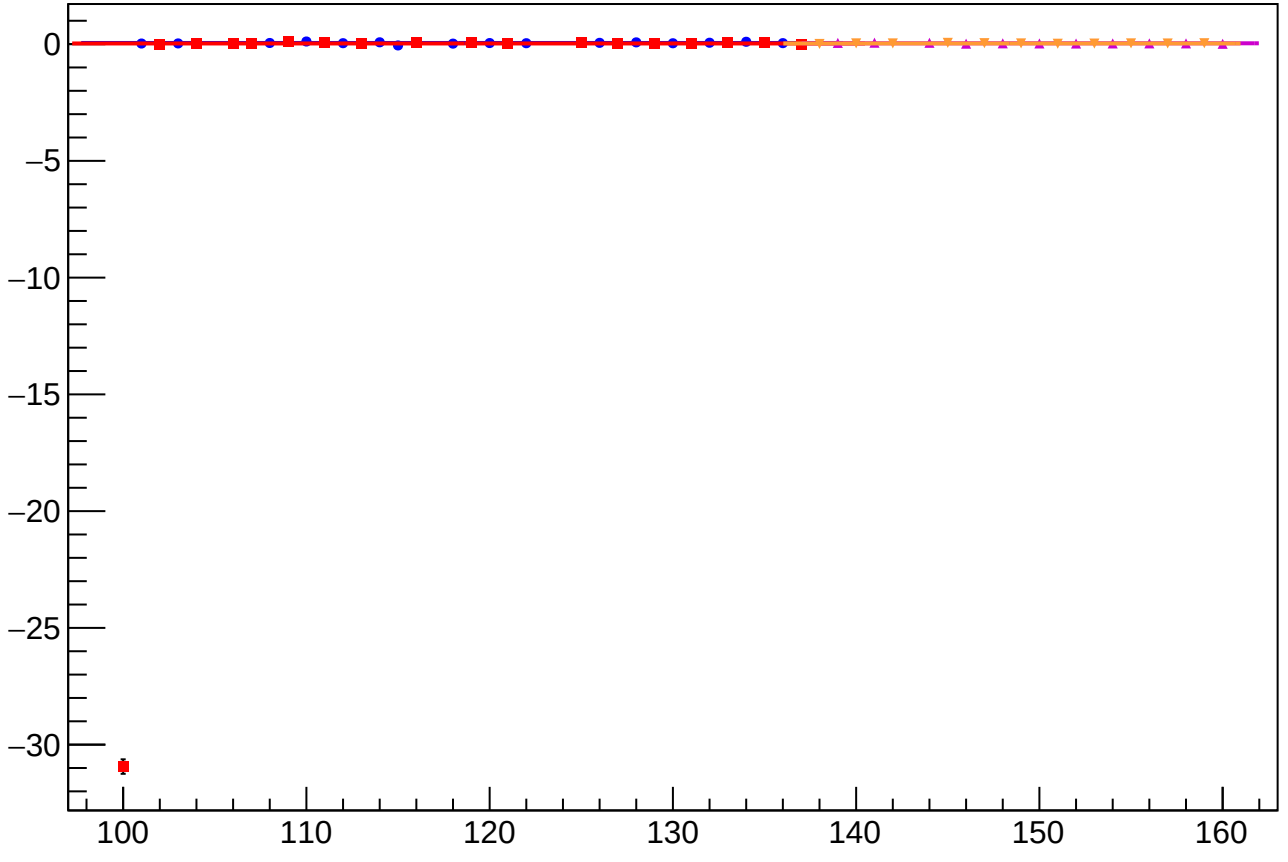
Left In: -0.244+/-0.089 χ^2/NDF:14.3/10

+ sign -0.136+/-0.069 χ^2/NDF: 31.4/26

All: -0.190+/-0.049 χ^2/NDF: 66.5/55

- 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:8.3/10

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

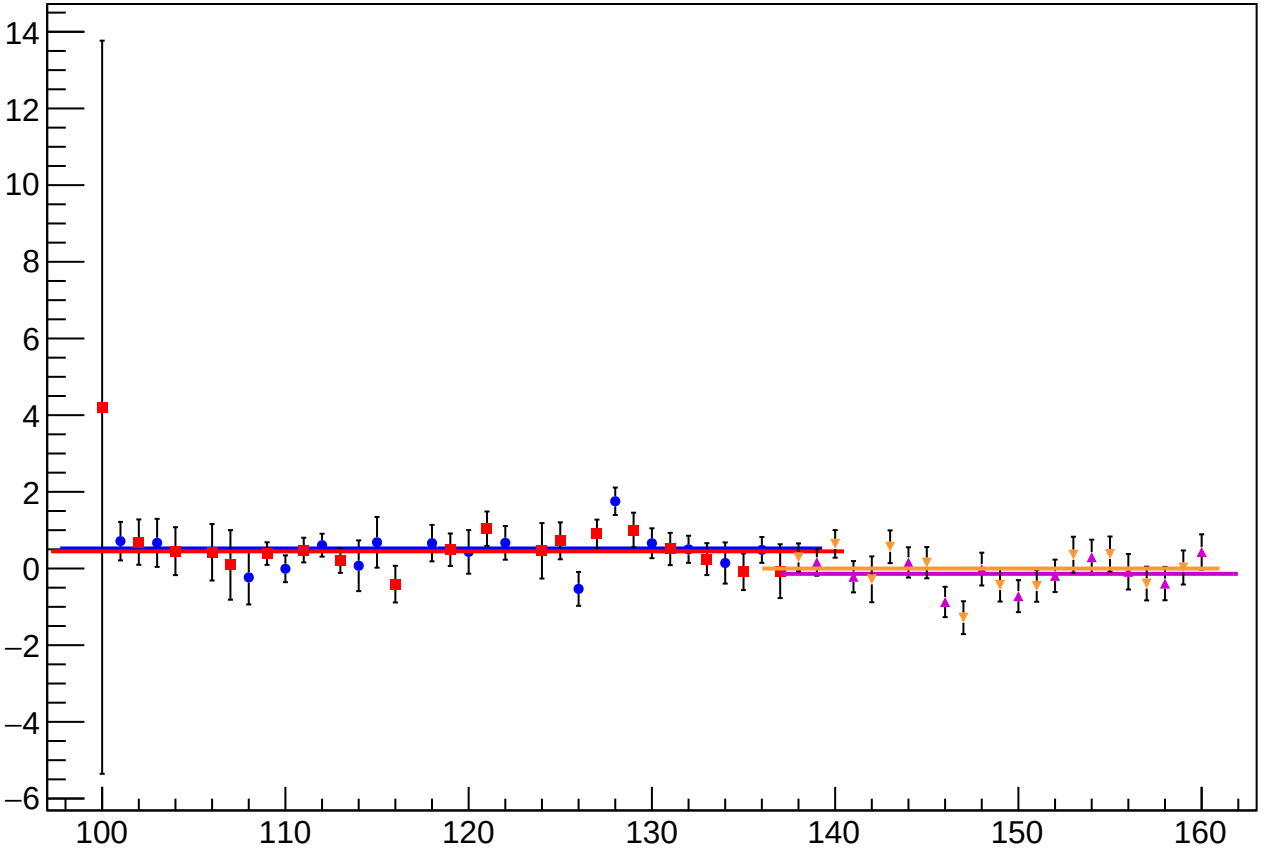
Left In: 0.035+/-0.004 χ^2/NDF:11.9/10

+ sign 0.034+/-0.003 χ^2/NDF: 34.8/26

All: 0.034+/-0.002 χ^2/NDF: 10068.6/55

- 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: -0.000+/-0.123 χ^2/NDF:19.2/11

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

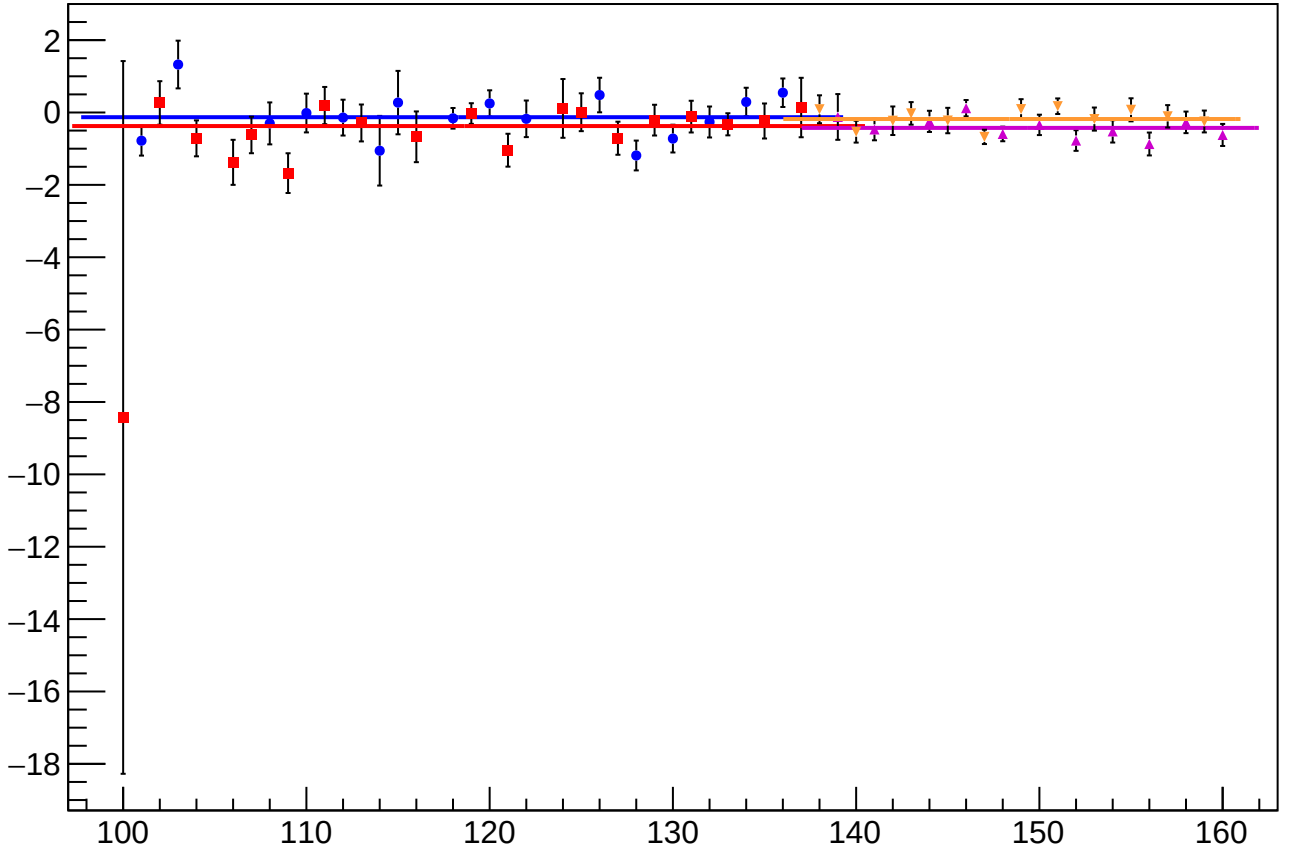
Left In: -0.139+/-0.126 χ^2/NDF:9.6/10

\+ sign 0.294+/-0.081 χ^2/NDF: 51.9/27

All: 0.250+/-0.057 χ^2/NDF: 86.3/57

\- 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: -0.180+/-0.083 χ^2/NDF:12.8/11

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

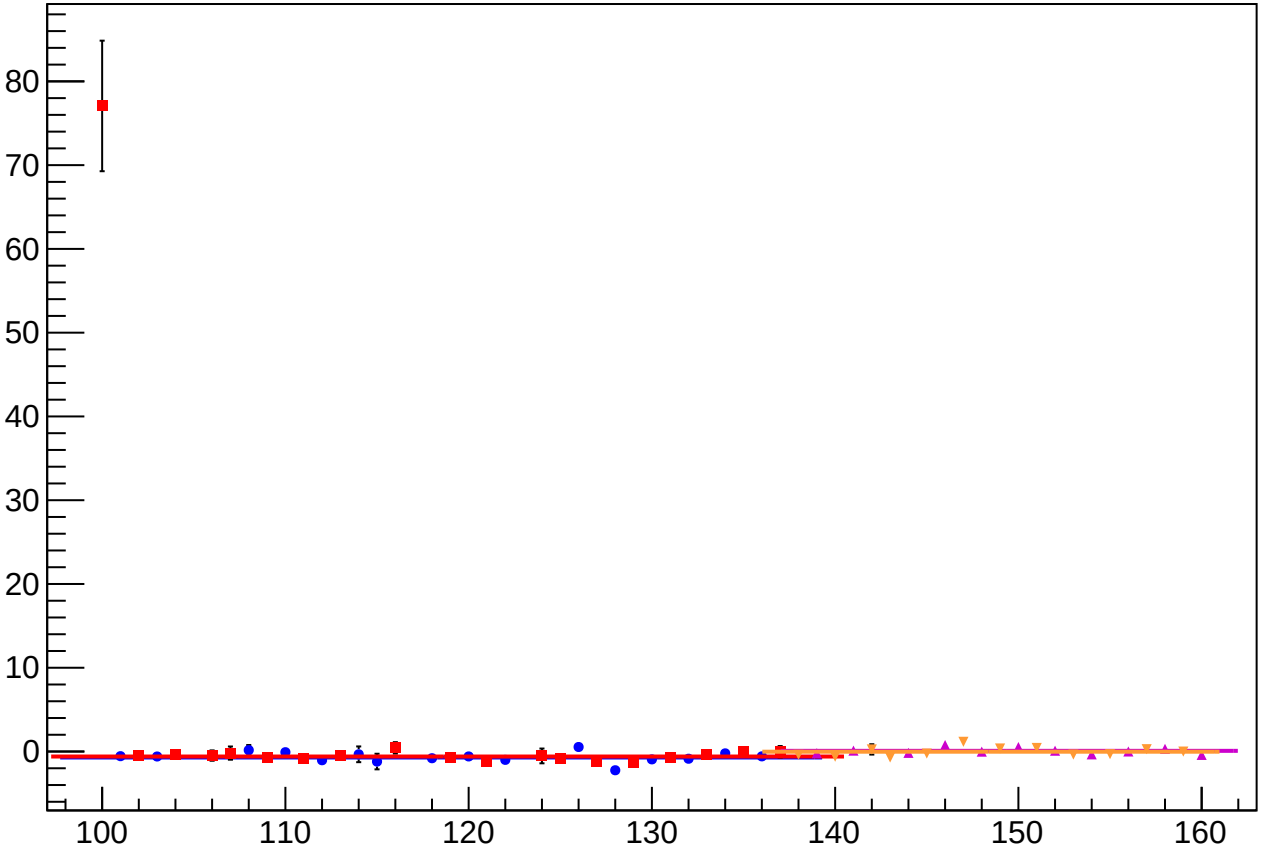
Left In: -0.426+/-0.085 χ^2/NDF:11.5/10

+ sign -0.162+/-0.067 χ^2/NDF: 37.5/27

All: -0.283+/-0.048 χ^2/NDF: 74.0/57

- 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: -0.022+/-0.120 χ^2/NDF:19.1/11

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

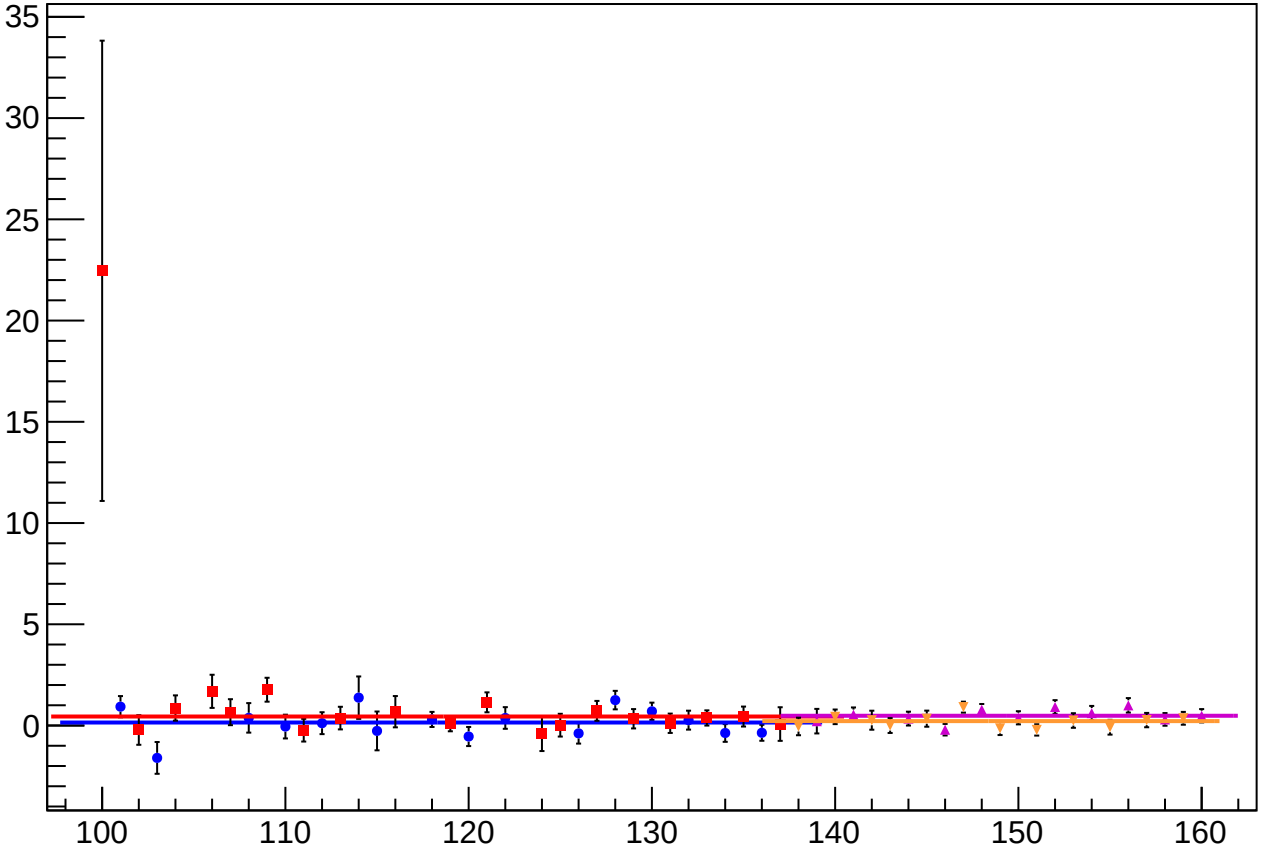
Left In: 0.080+/-0.121 χ^2/NDF:8.3/10

+ sign -0.363+/-0.085 χ^2/NDF: 60.4/27

All: -0.310+/-0.061 χ^2/NDF: 196.0/57

- 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: 0.217+/-0.100 χ^2/NDF:12.2/11

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

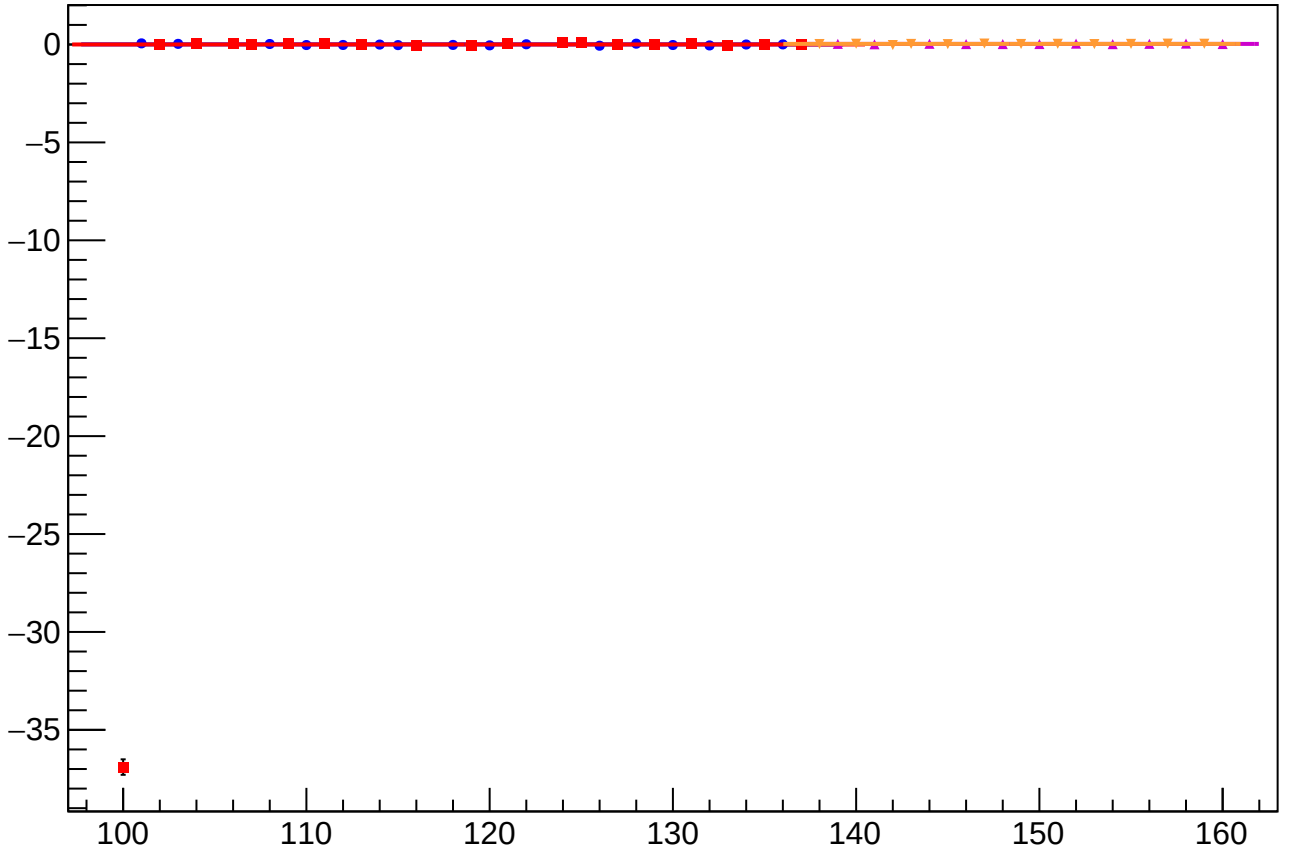
Left In: 0.482+/-0.101 χ^2/NDF:11.6/10

+ sign 0.191+/-0.079 χ^2/NDF: 35.6/27

All: 0.328+/-0.056 χ^2/NDF: 73.1/57

- 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: 0.030+/-0.005 χ^2/NDF:9.3/11

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

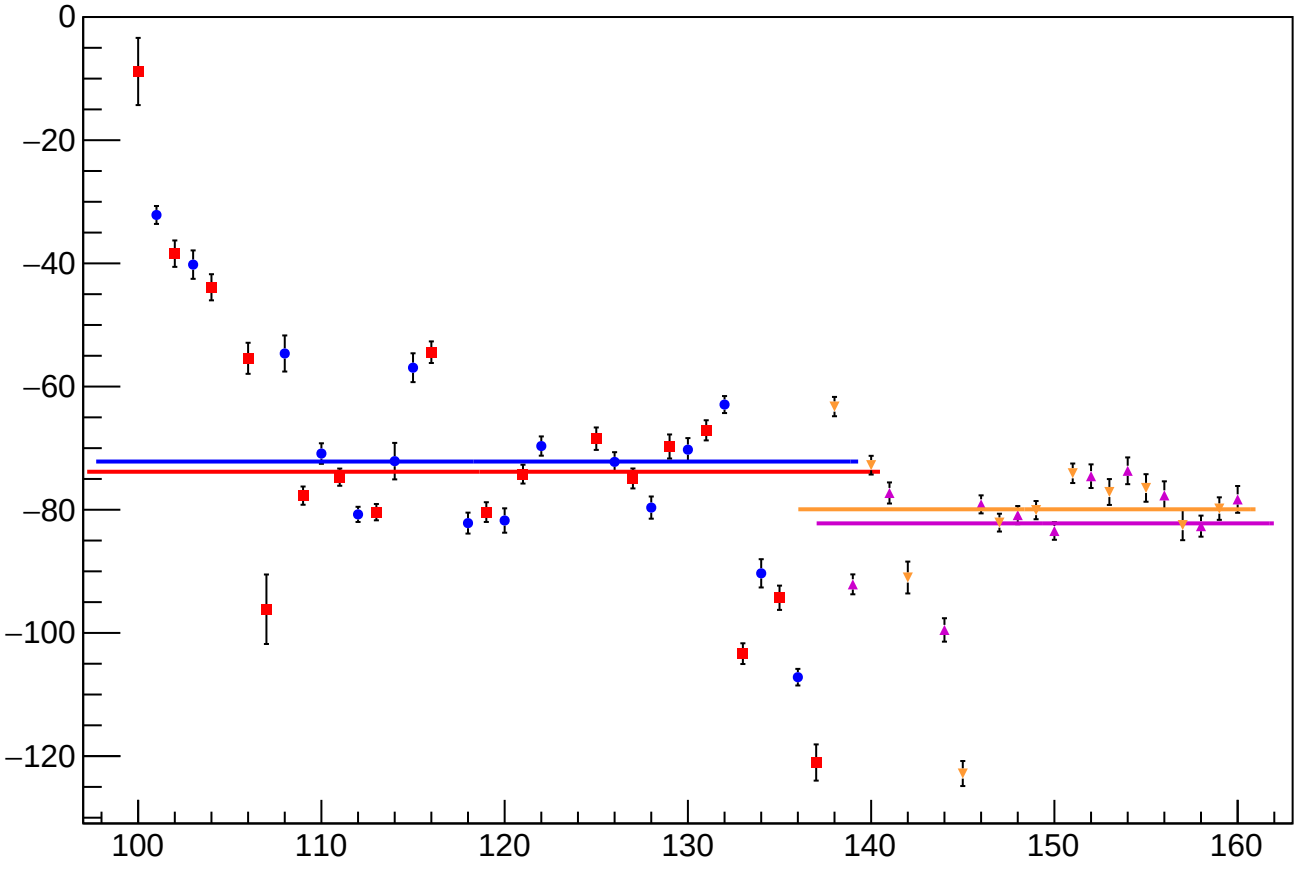
Left In: 0.030+/-0.005 χ^2/NDF:5.2/10

+ sign 0.024+/-0.004 χ^2/NDF: 34.8/27

All: 0.023+/-0.003 χ^2/NDF: 8803.7/57

- 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: -79.927+/-0.538 χ^2/NDF:620.3/10

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

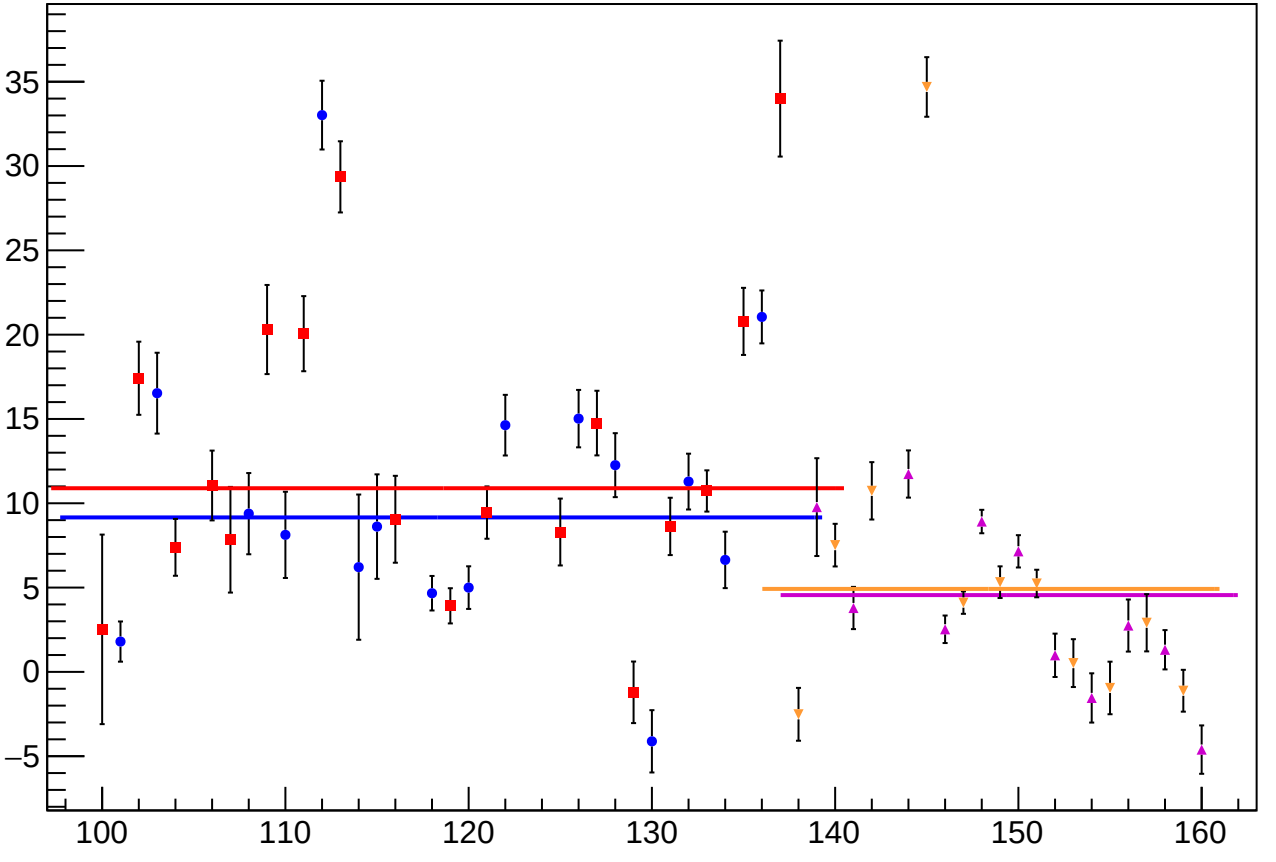
Left In: -82.212+/-0.524 χ^2/NDF:173.1/10

+ sign -75.213+/-0.337 χ^2/NDF: 2682.5/26

All: -76.224+/-0.237 χ^2/NDF: 4583.9/55

- 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: 4.921+/-0.343 χ^2/NDF:372.8/10

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

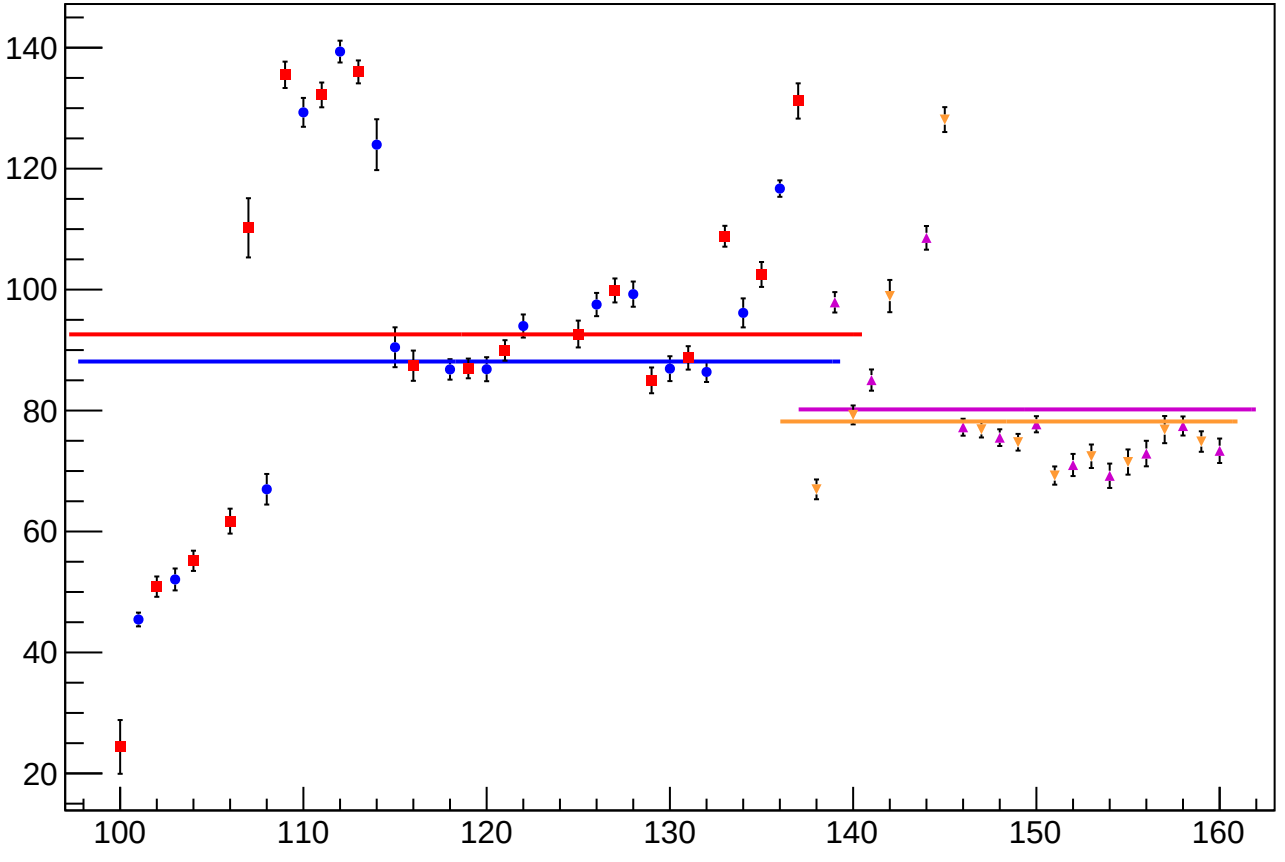
Left In: 4.554+/-0.340 χ^2/NDF:157.9/10

+ sign 6.594+/-0.267 χ^2/NDF: 785.1/26

All: 6.757+/-0.190 χ^2/NDF: 1363.8/55

- 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: 78.195+/-0.519 χ^2/NDF:761.7/10

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

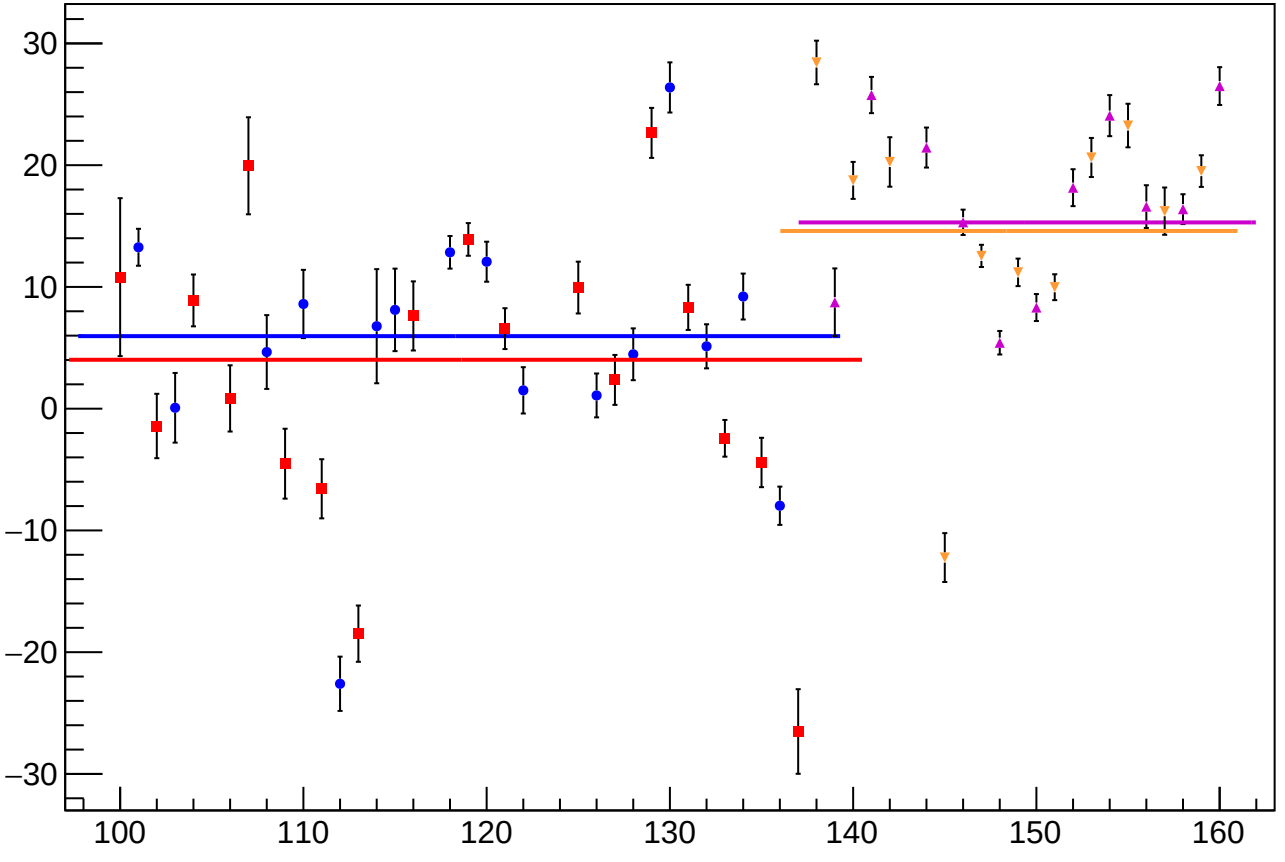
Left In: 80.187+/-0.503 χ^2/NDF:428.2/10

+ sign 83.654+/-0.348 χ^2/NDF: 4524.6/26

All: 85.146+/-0.246 χ^2/NDF: 8517.0/55

- 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: 14.596+/-0.420 χ^2/NDF:339.3/10

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

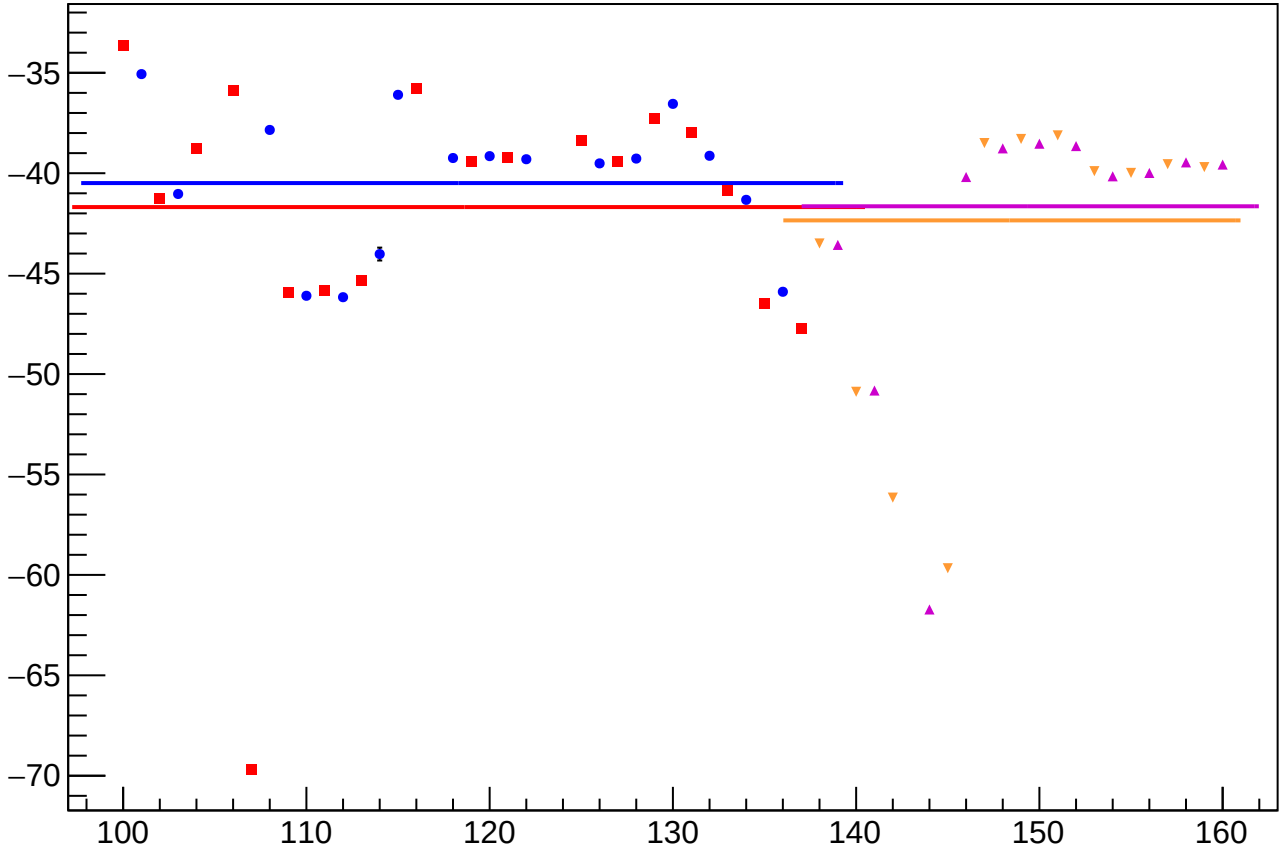
Left In: 15.298+/-0.410 χ^2/NDF:297.2/10

+ sign 10.975+/-0.320 χ^2/NDF: 943.2/26

All: 10.921+/-0.226 χ^2/NDF: 1955.7/55

- 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: -42.349+/-0.020 χ^2/NDF:96600.4/10

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

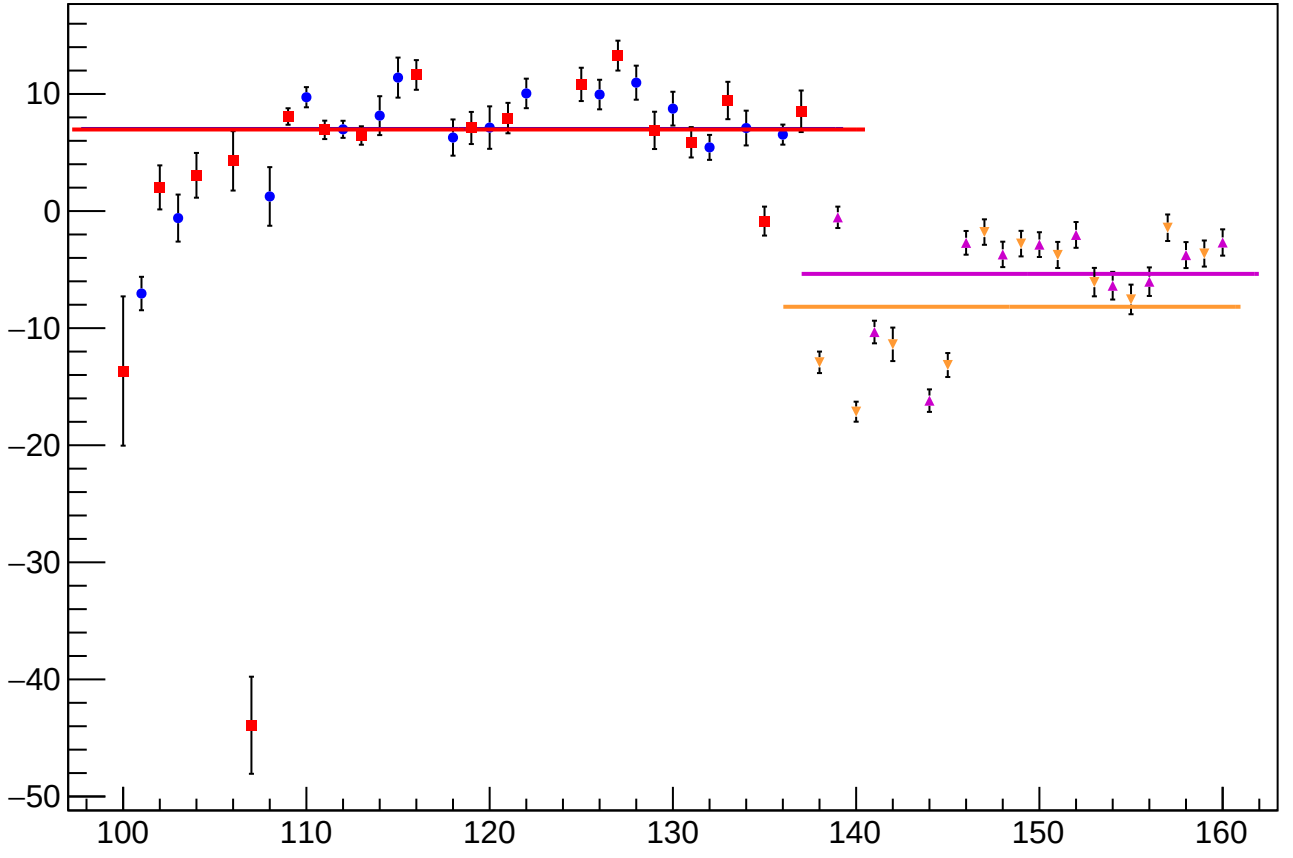
Left In: -41.646+/-0.019 χ^2/NDF:81543.2/10

+ sign -41.720+/-0.016 χ^2/NDF: 117573.4/26

All: -41.688+/-0.011 χ^2/NDF: 235963.6/55

- 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: -8.173+/-0.327 χ^2/NDF:295.2/10

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

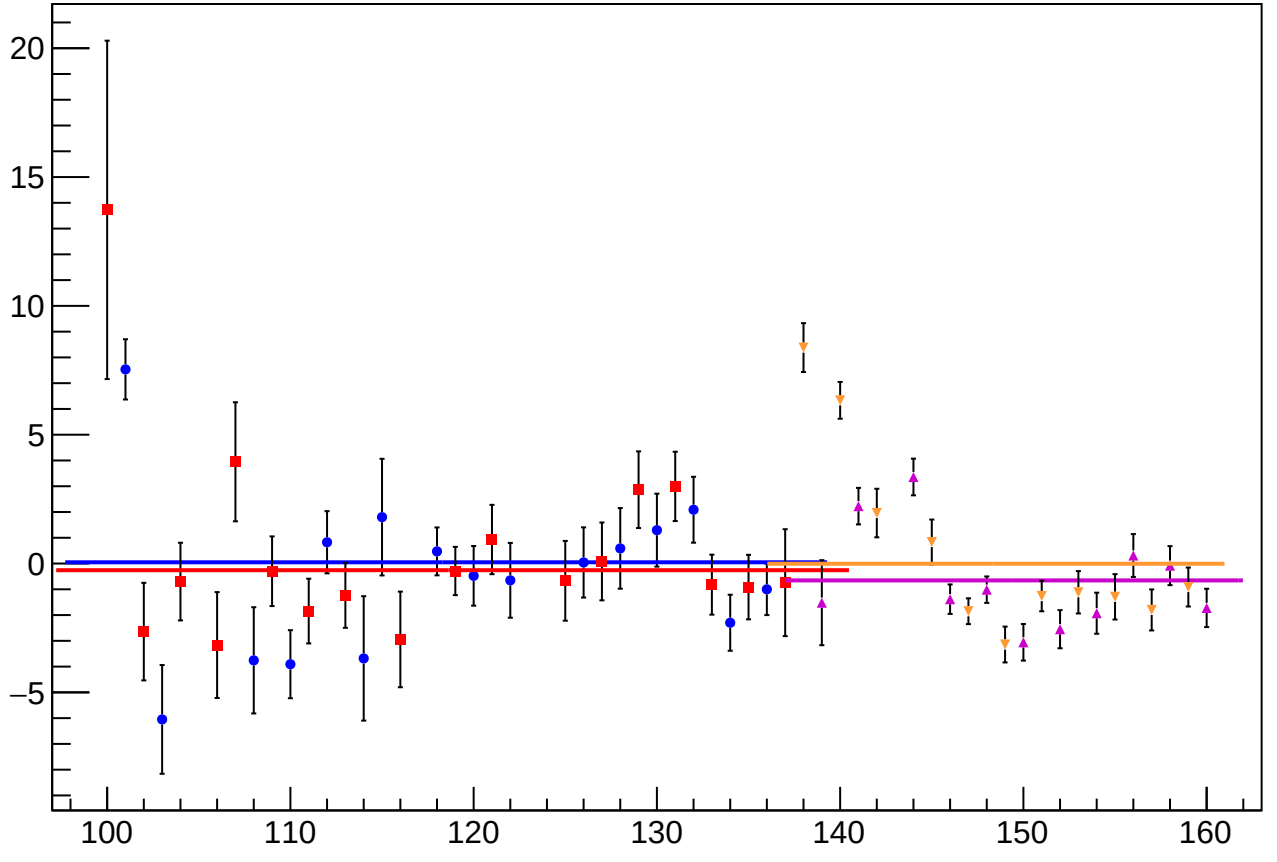
Left In: -5.365+/-0.318 χ^2/NDF:213.7/10

+ sign -0.167+/-0.225 χ^2/NDF: 1591.1/26

All: 0.538+/-0.156 χ^2/NDF: 2889.8/55

- 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: -0.008+/-0.221 χ^2/NDF:211.3/10

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

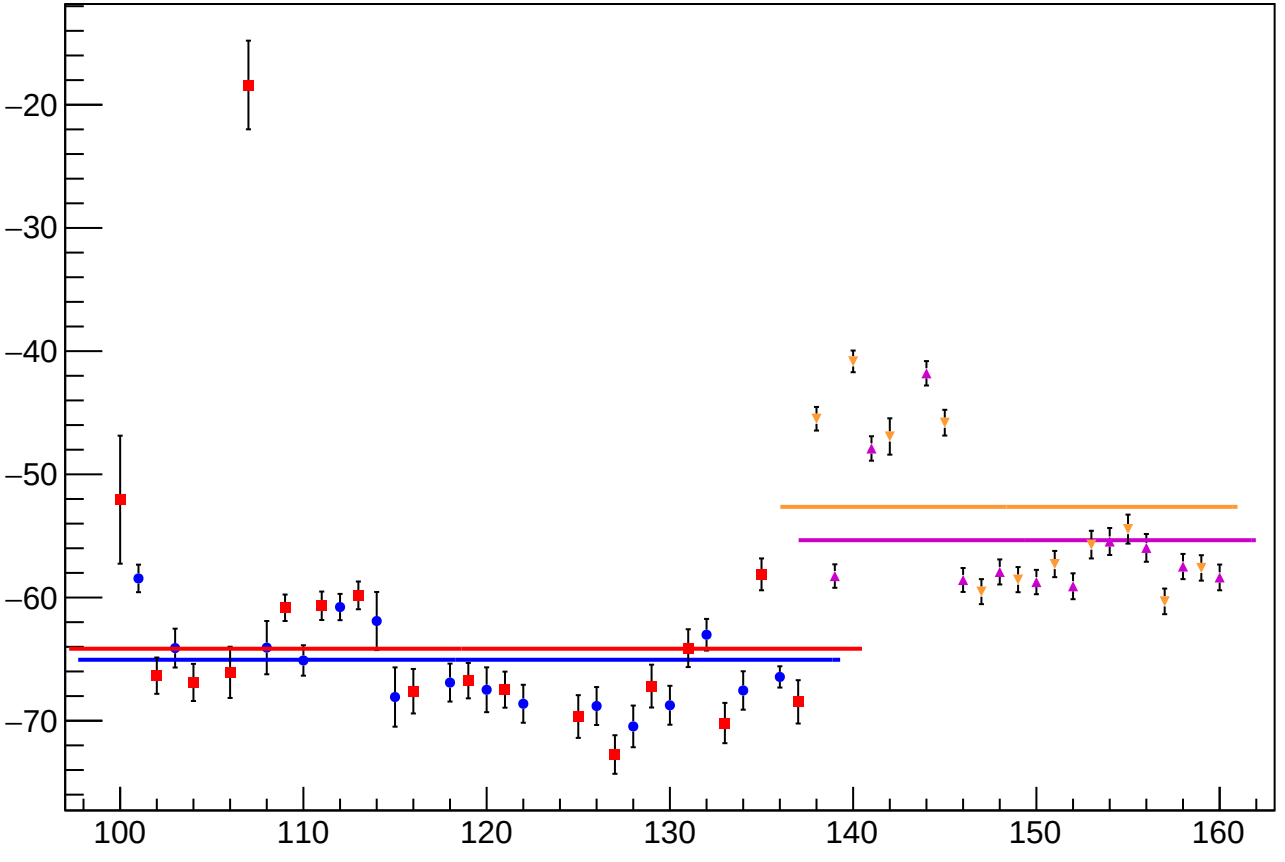
Left In: -0.655+/-0.215 χ^2/NDF:75.2/10

+ sign 0.009+/-0.184 χ^2/NDF: 286.4/26

All: -0.269+/-0.130 χ^2/NDF: 394.6/55

- 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: -52.639+/-0.317 χ^2/NDF:479.7/10

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

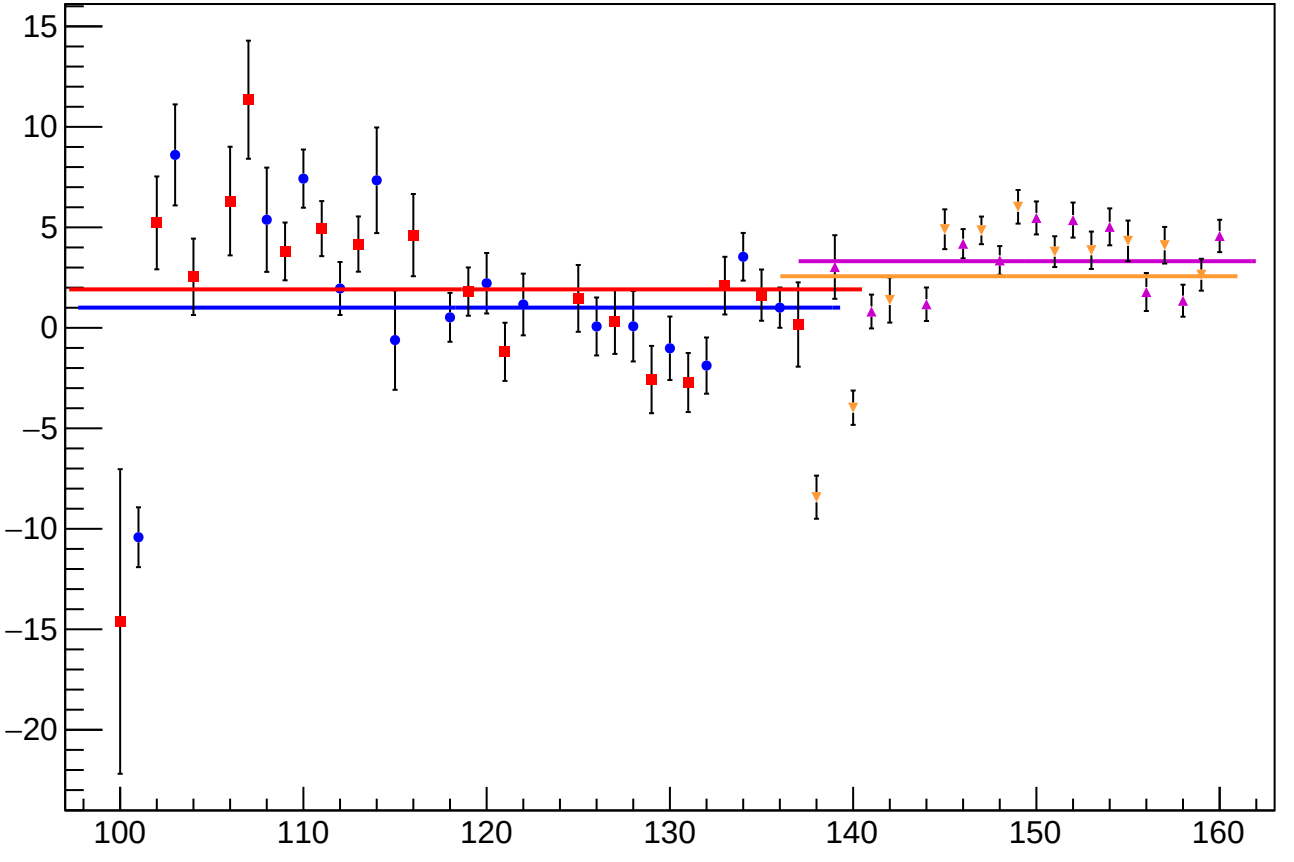
Left In: -55.346+/-0.307 χ^2/NDF:307.9/10

+ sign -58.163+/-0.236 χ^2/NDF: 1254.7/26

All: -58.613+/-0.166 χ^2/NDF: 2219.4/55

- 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: 2.567+/-0.265 χ^2/NDF:208.9/10

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

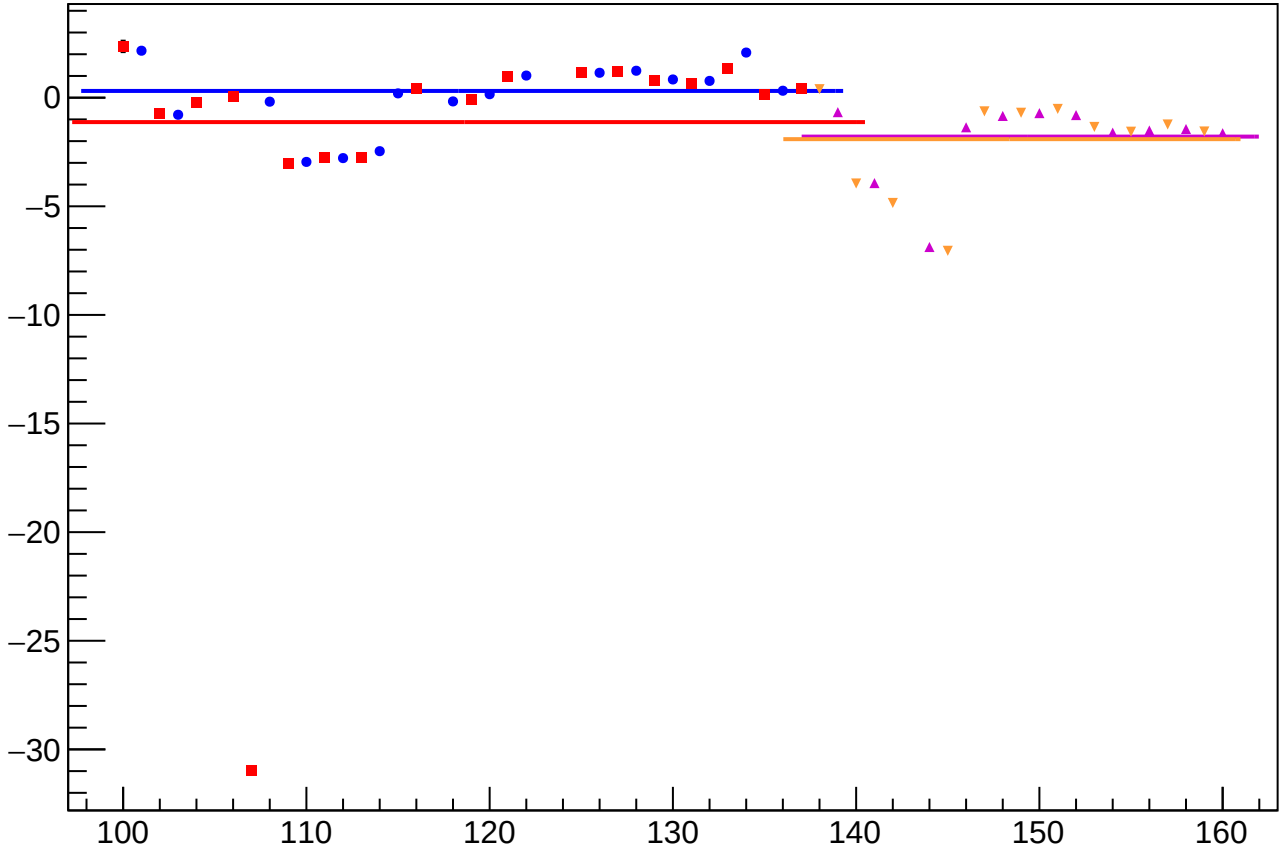
Left In: 3.316+/-0.255 χ^2/NDF:43.9/10

+ sign 2.048+/-0.217 χ^2/NDF: 329.6/26

All: 2.477+/-0.152 χ^2/NDF: 444.8/55

- 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: -1.909+/-0.012 χ^2/NDF:27834.0/10

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

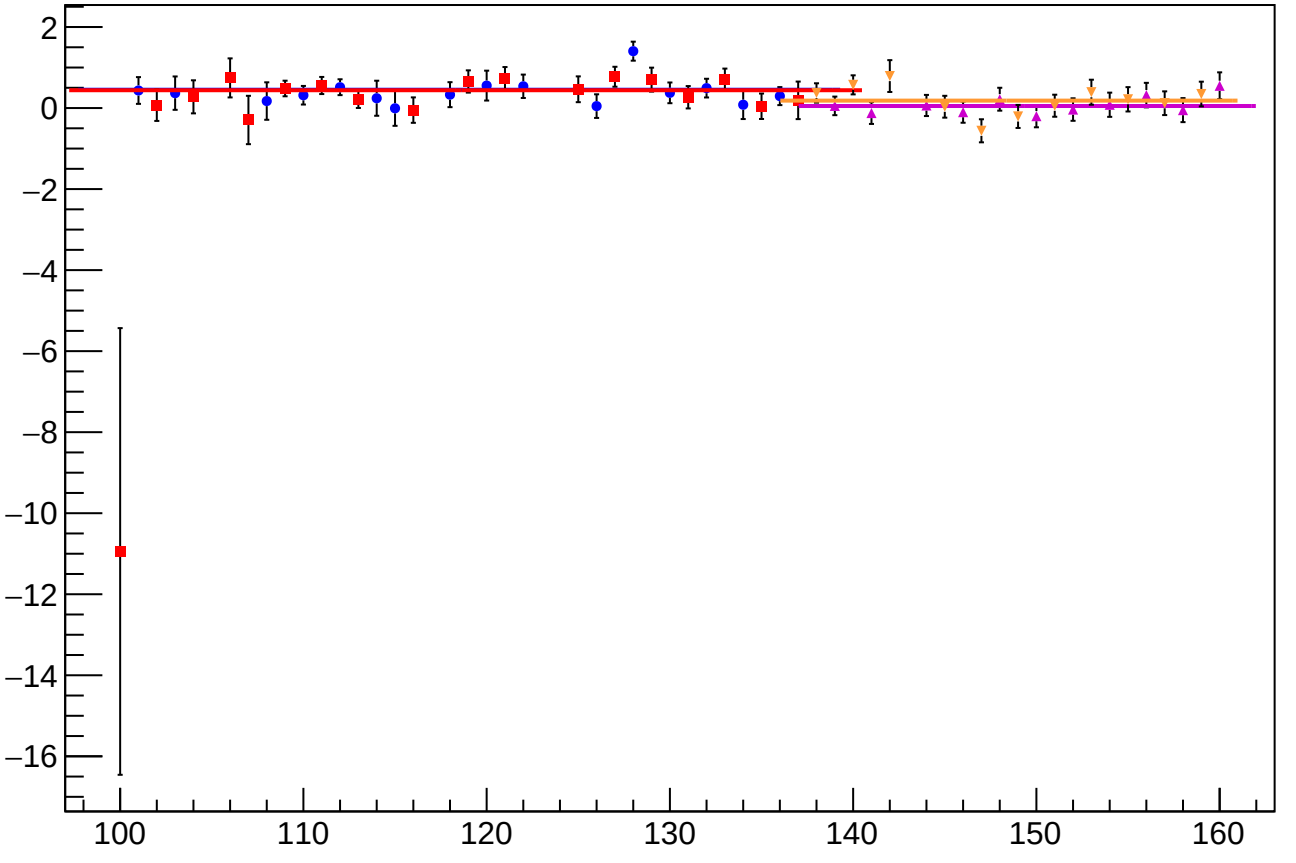
Left In: -1.791+/-0.012 χ^2/NDF:19315.9/10

+ sign -1.357+/-0.011 χ^2/NDF: 41023.2/26

All: -1.507+/-0.007 χ^2/NDF: 107794.6/55

- 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: 0.183+/-0.085 χ^2/NDF:15.8/10

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

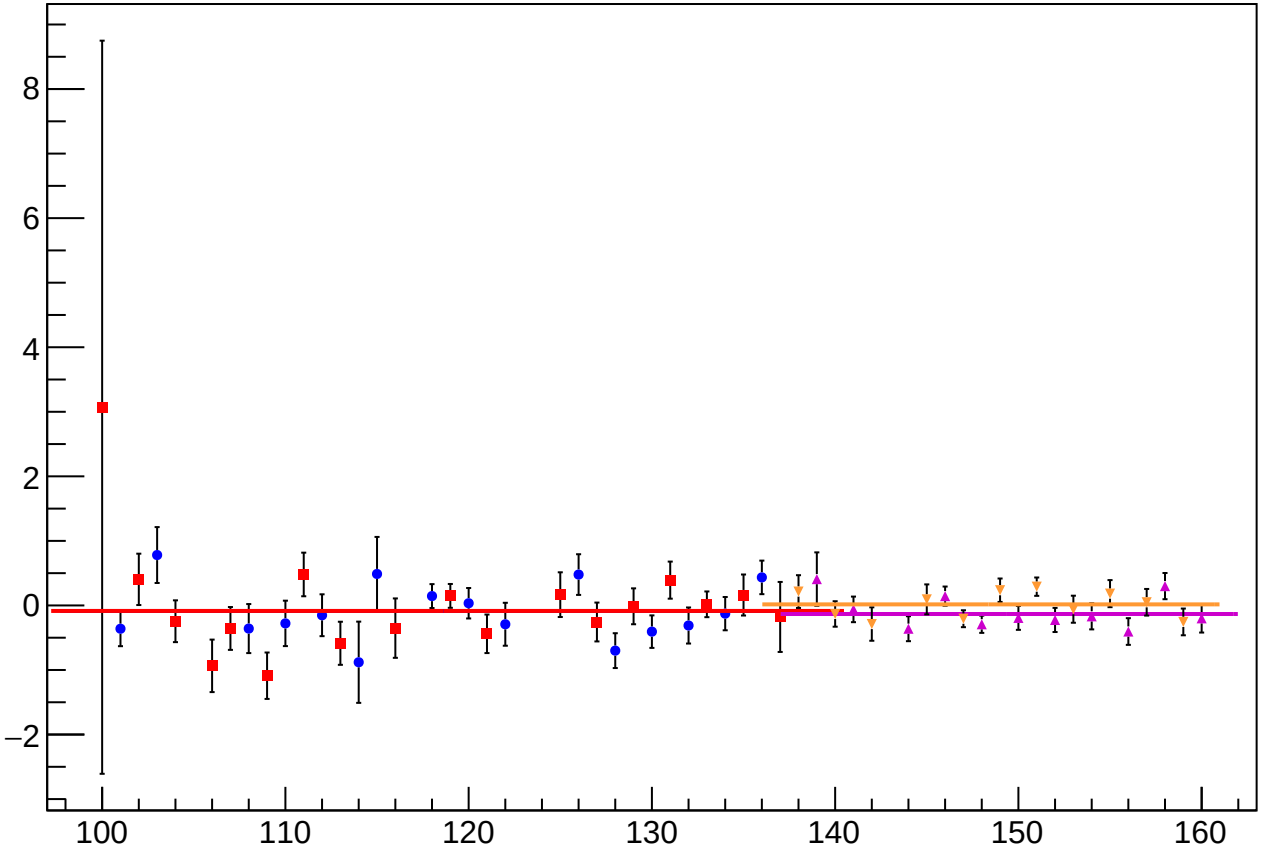
Left In: 0.050+/-0.083 χ^2/NDF:5.2/10

+ sign 0.341+/-0.055 χ^2/NDF: 44.3/26

All: 0.310+/-0.038 χ^2/NDF: 81.6/55

- 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: 0.016+/-0.057 χ^2/NDF:13.2/10

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

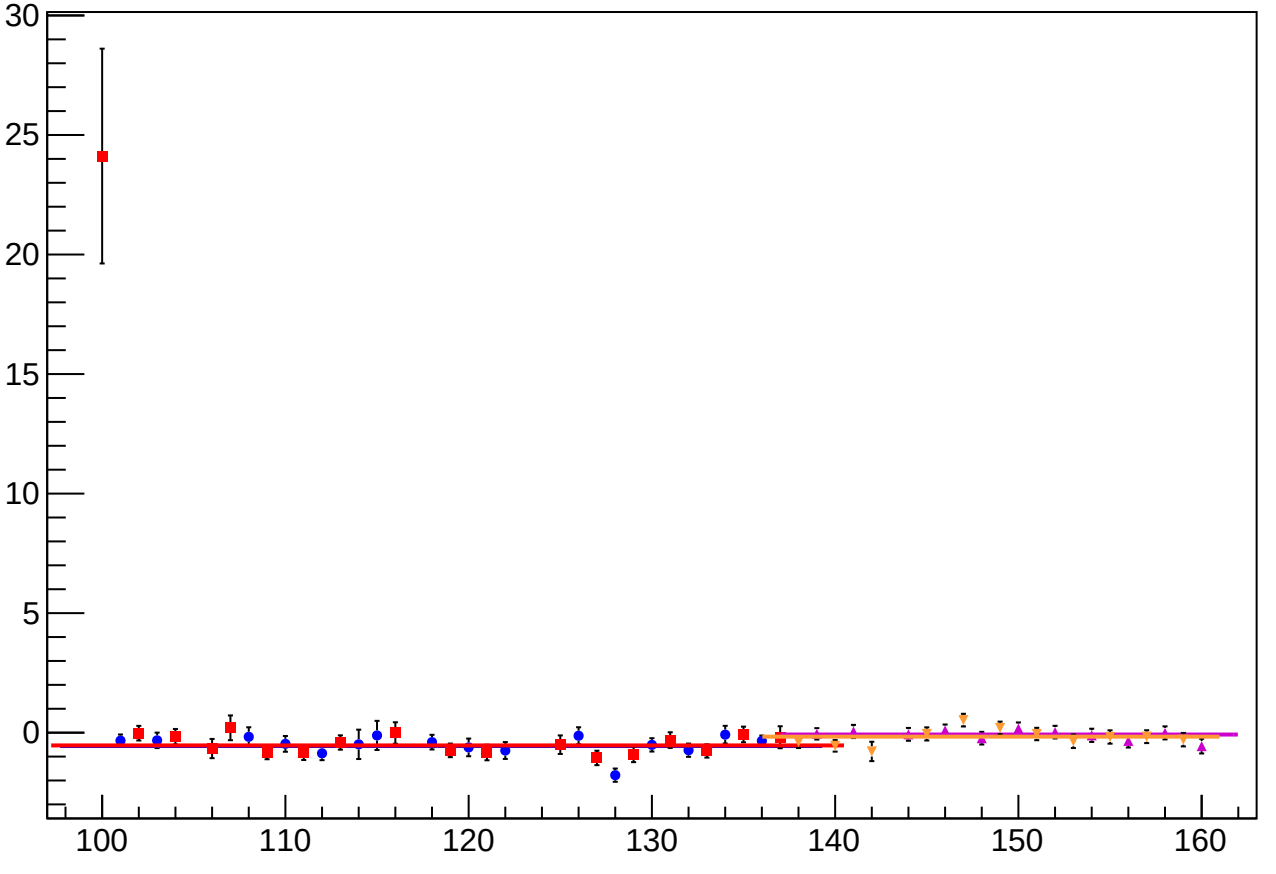
Left In: -0.133+/-0.057 χ^2/NDF:14.9/10

+ sign -0.023+/-0.045 χ^2/NDF: 39.8/26

All: -0.069+/-0.032 χ^2/NDF: 84.9/55

- 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: -0.166+/-0.082 χ^2/NDF:15.3/10

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

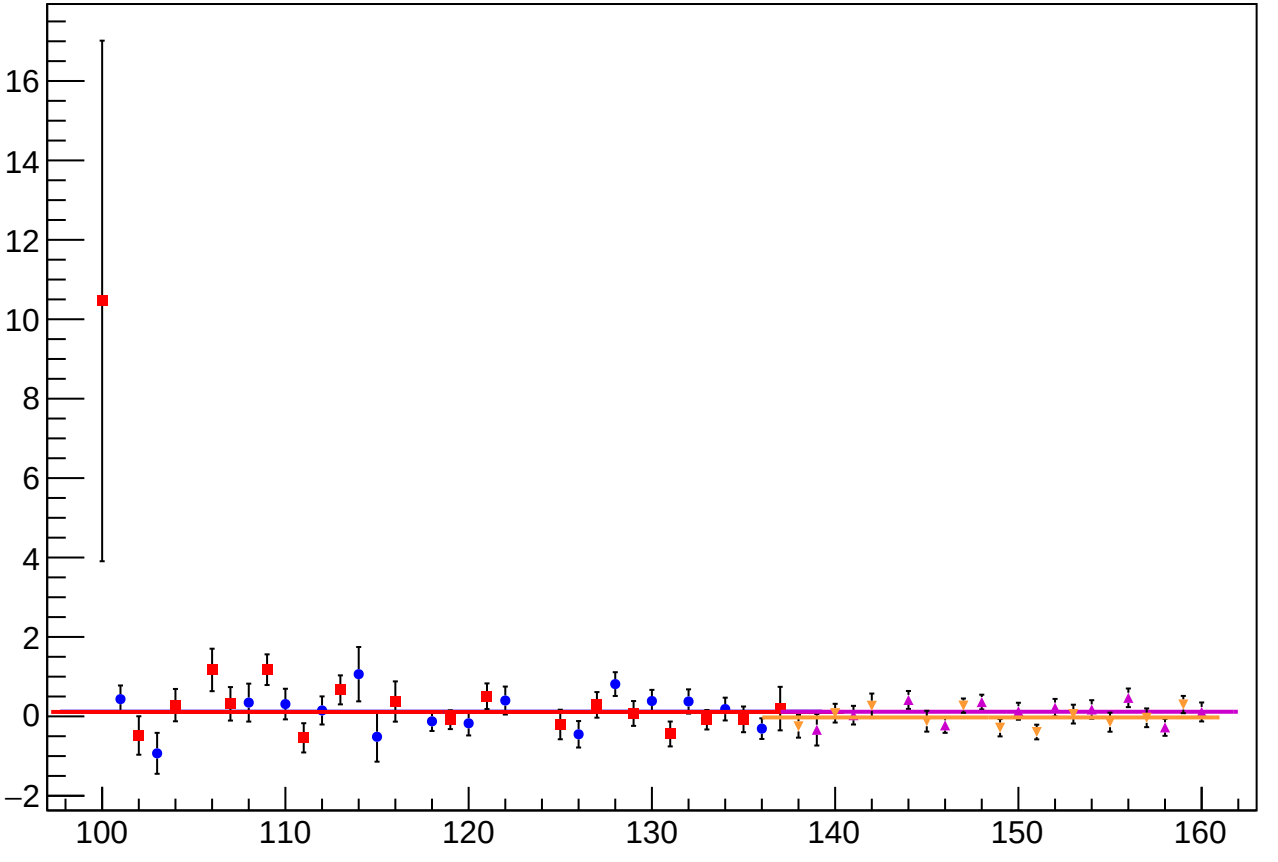
Left In: -0.078+/-0.081 χ^2/NDF:5.5/10

+ sign -0.369+/-0.057 χ^2/NDF: 55.4/26

All: -0.337+/-0.040 χ^2/NDF: 126.6/55

- 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: -0.027+/-0.069 χ^2/NDF:12.6/10

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

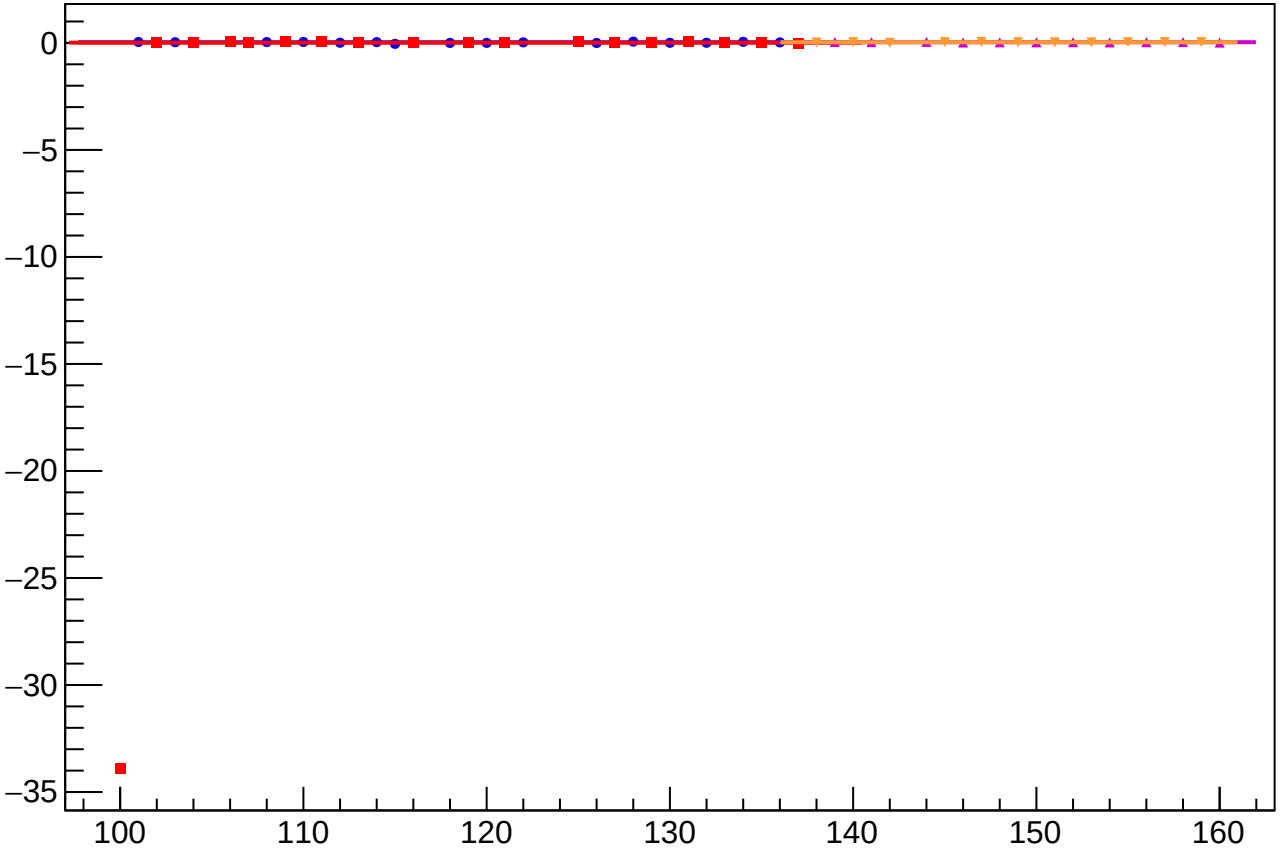
Left In: 0.116+/-0.067 χ^2/NDF:14.1/10

+ sign 0.032+/-0.053 χ^2/NDF: 38.0/26

All: 0.073+/-0.037 χ^2/NDF: 82.3/55

- 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: 0.030+/-0.003 χ^2/NDF:9.4/10

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

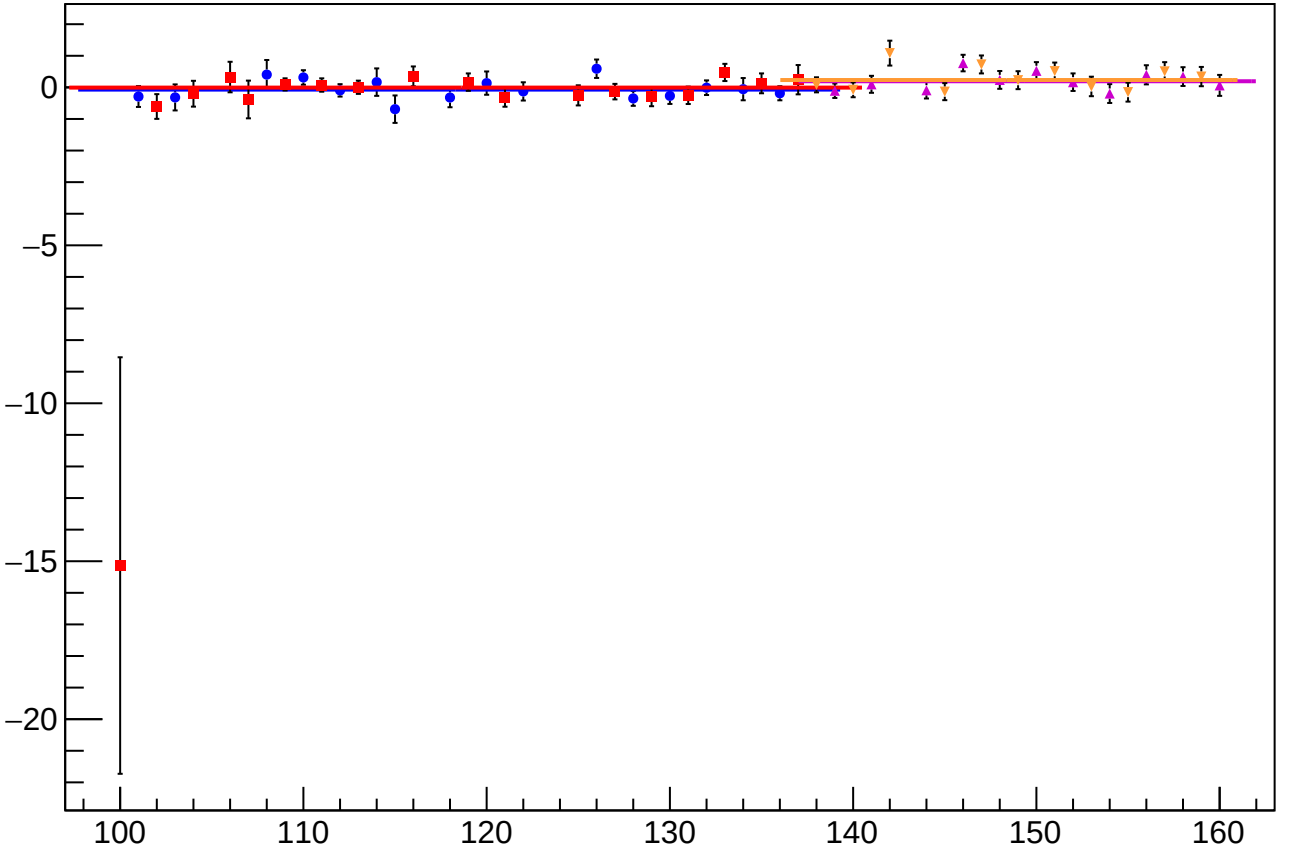
Left In: 0.032+/-0.003 χ^2/NDF:8.3/10

+ sign 0.029+/-0.003 χ^2/NDF: 24.2/26

All: 0.028+/-0.002 χ^2/NDF: 22307.6/55

- 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: 0.233+/-0.085 χ^2/NDF:15.8/10

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

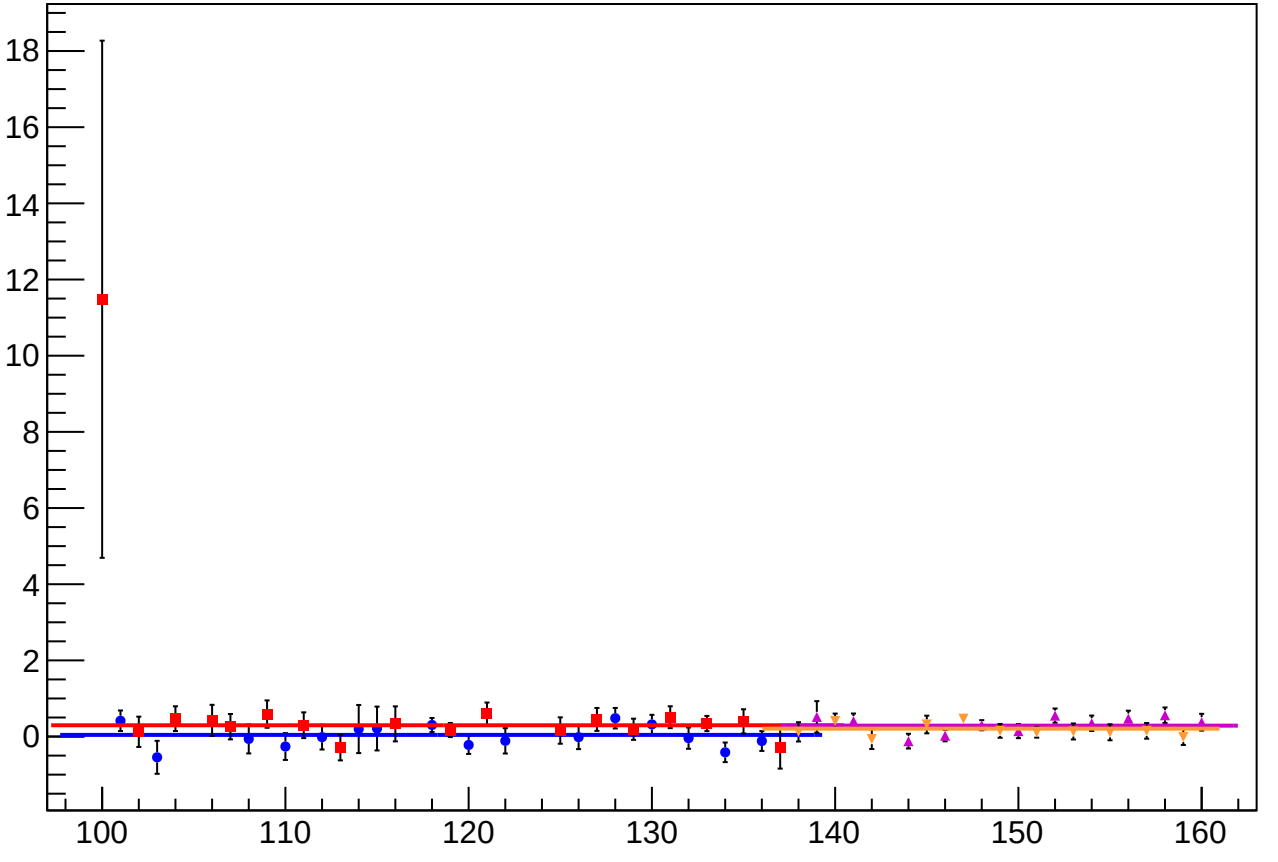
Left In: 0.194+/-0.084 χ^2/NDF:11.9/10

+ sign 0.055+/-0.055 χ^2/NDF: 38.8/26

All: 0.065+/-0.038 χ^2/NDF: 72.3/55

- 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: 0.208+/-0.057 χ^2/NDF:8.5/10

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

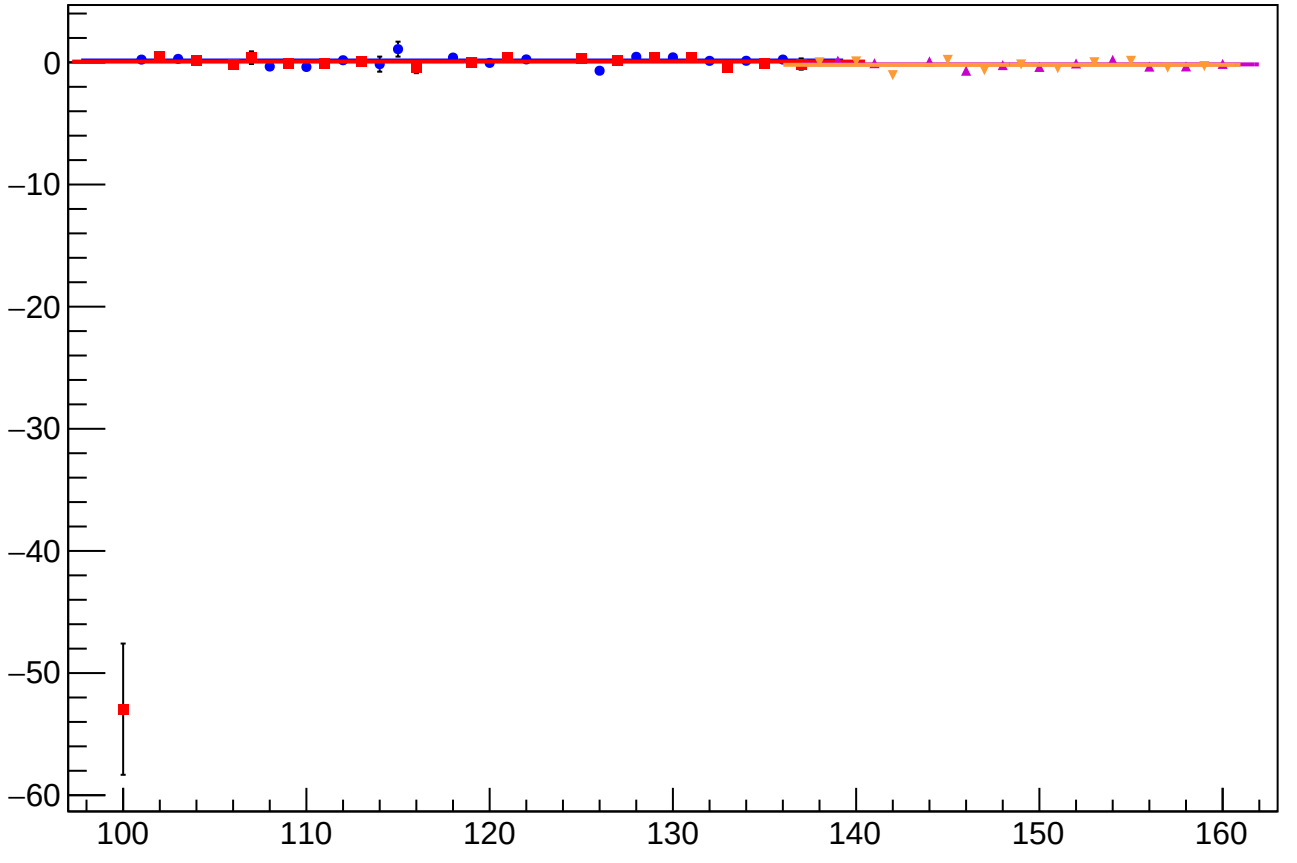
Left In: 0.286+/-0.057 χ^2/NDF:13.7/10

+ sign 0.145+/-0.045 χ^2/NDF: 27.3/26

All: 0.218+/-0.032 χ^2/NDF: 57.2/55

- 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: -0.197+/-0.082 χ^2/NDF:15.3/10

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

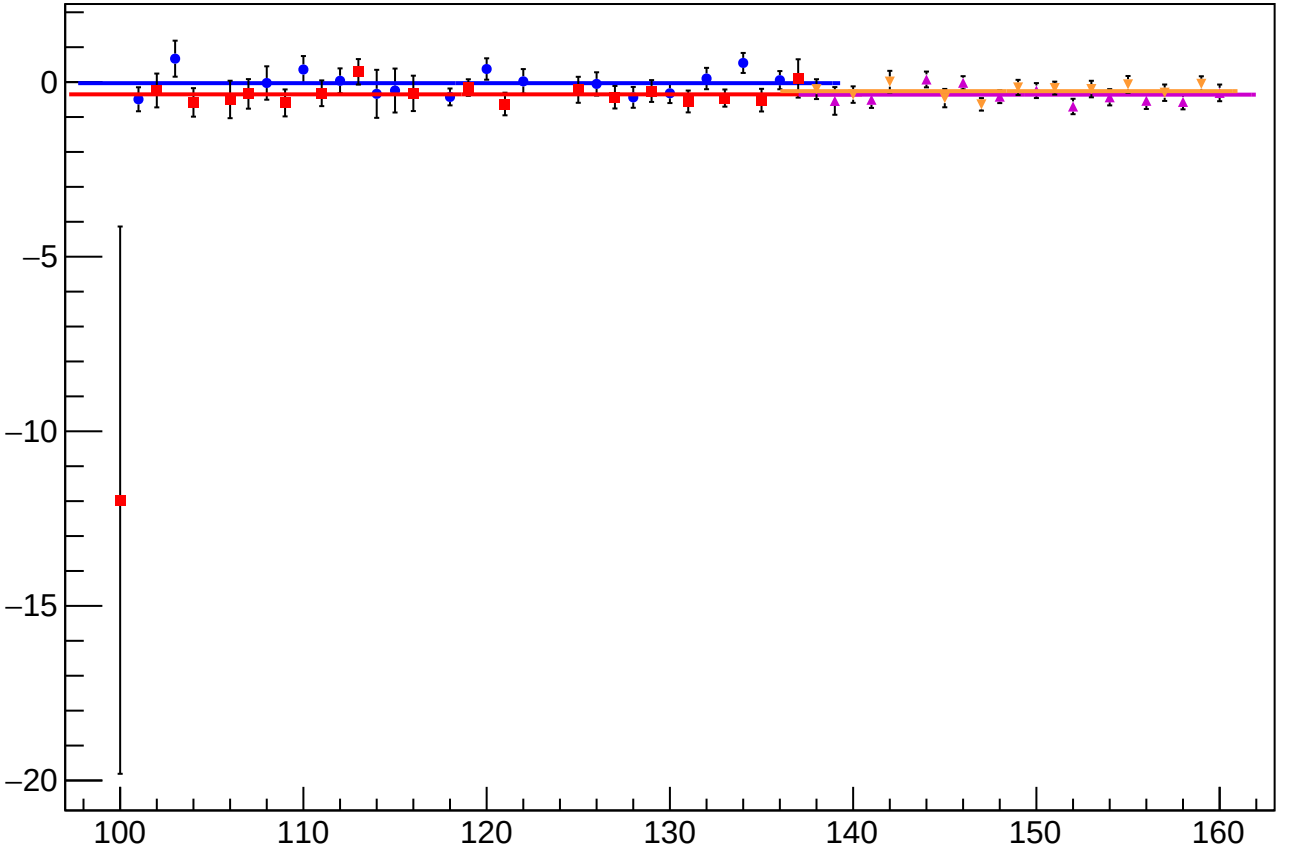
Left In: -0.164+/-0.081 χ^2/NDF:10.2/10

+ sign -0.016+/-0.057 χ^2/NDF: 40.2/26

All: -0.033+/-0.040 χ^2/NDF: 164.0/55

- 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: -0.259+/-0.069 χ^2/NDF:8.1/10

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

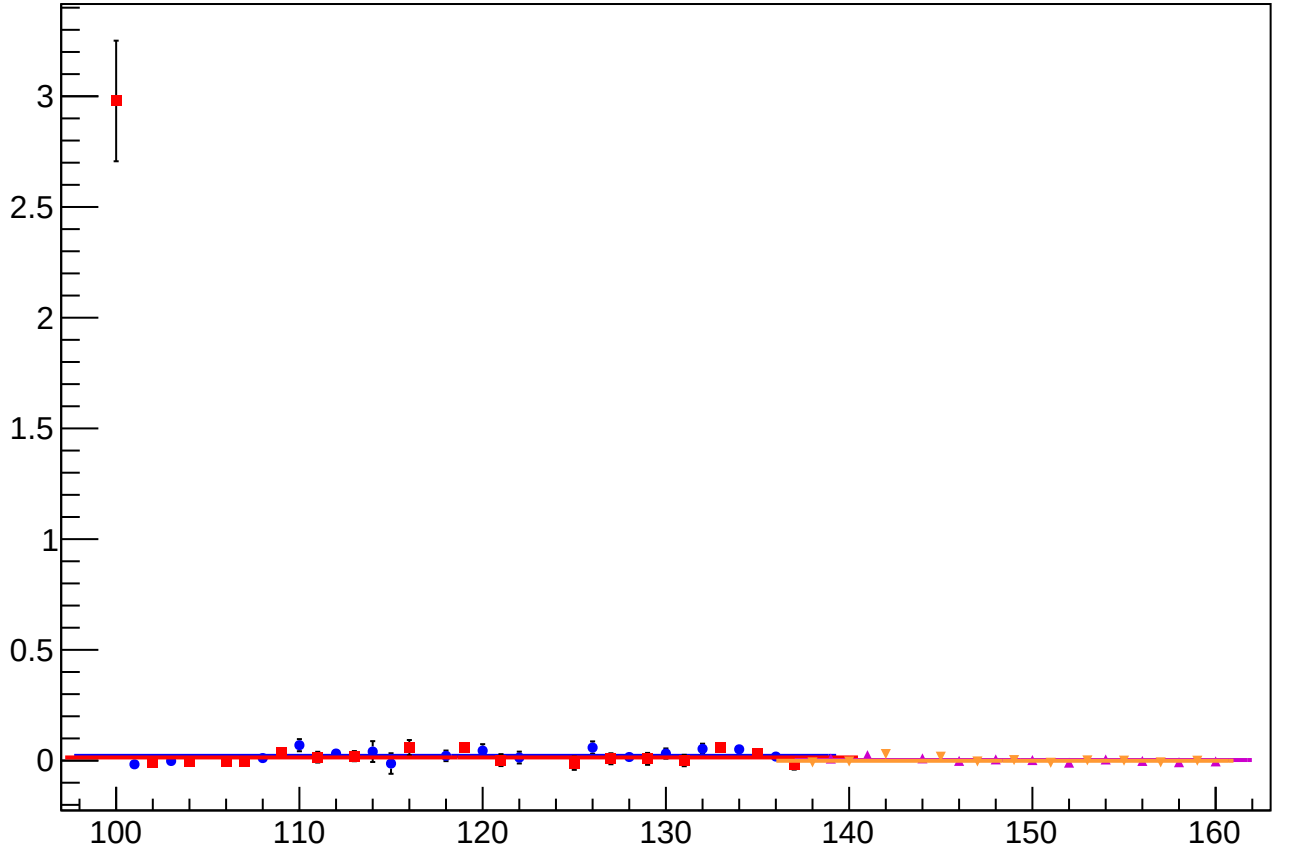
Left In: -0.359+/-0.067 χ^2/NDF:12.0/10

+ sign -0.167+/-0.053 χ^2/NDF: 29.4/26

All: -0.262+/-0.037 χ^2/NDF: 57.1/55

- 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:8.6/10

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

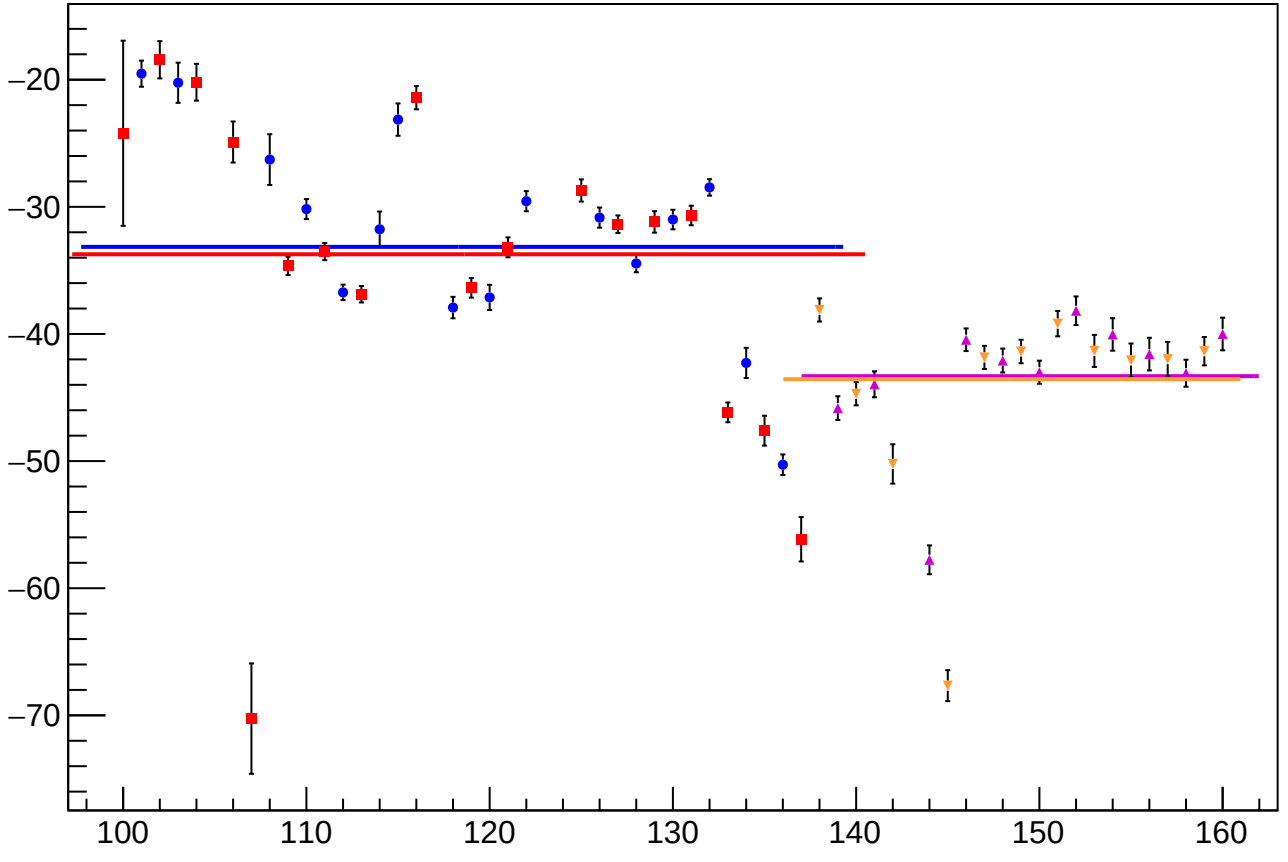
Left In: 0.002+/-0.003 χ^2/NDF:8.2/10

+ sign 0.006+/-0.003 χ^2/NDF: 45.9/26

All: 0.006+/-0.002 χ^2/NDF: 199.1/55

- 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: -43.554+/-0.326 χ^2/NDF:485.9/10

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

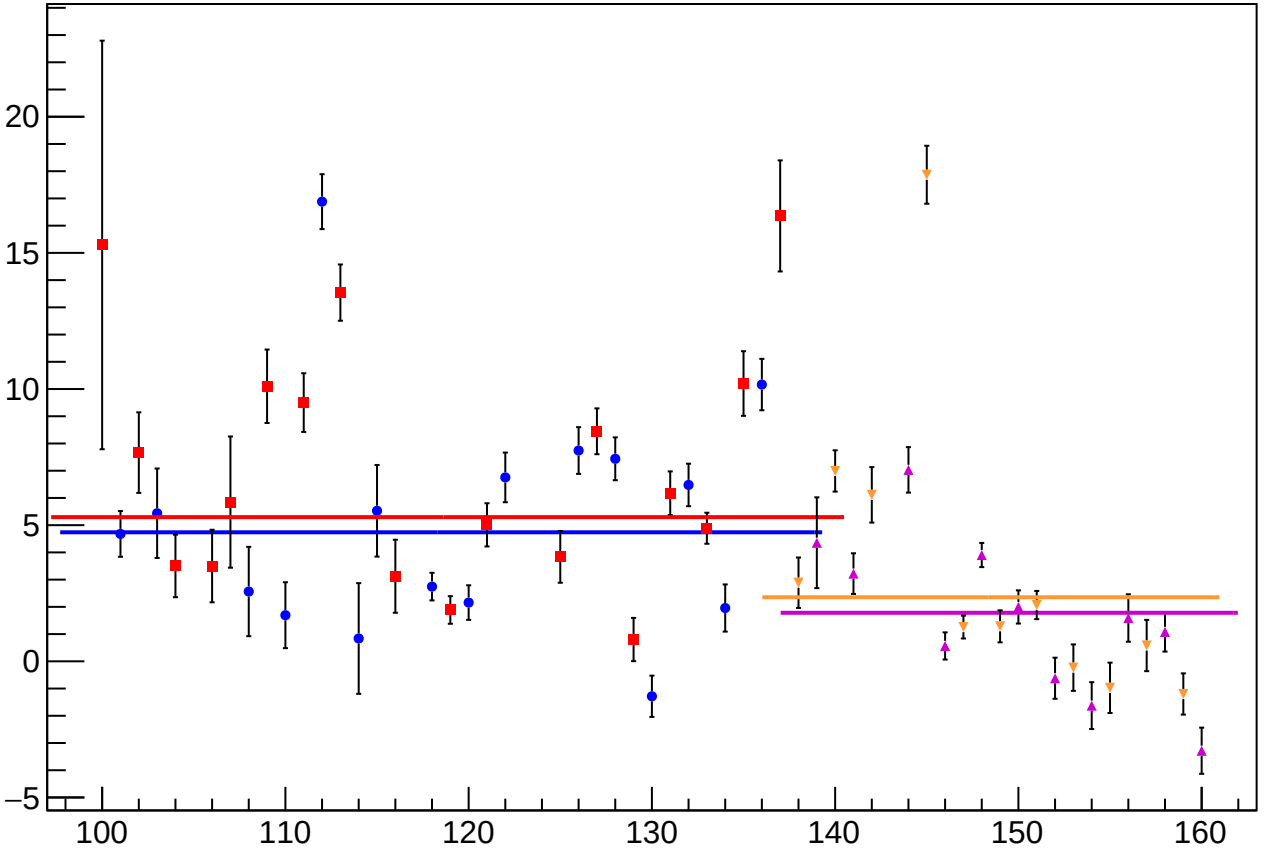
Left In: -43.320+/-0.316 χ^2/NDF:218.2/10

+ sign -36.368+/-0.181 χ^2/NDF: 2205.1/26

All: -36.568+/-0.127 χ^2/NDF: 4203.5/55

- 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: 2.353+/-0.211 χ^2/NDF:322.1/10

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

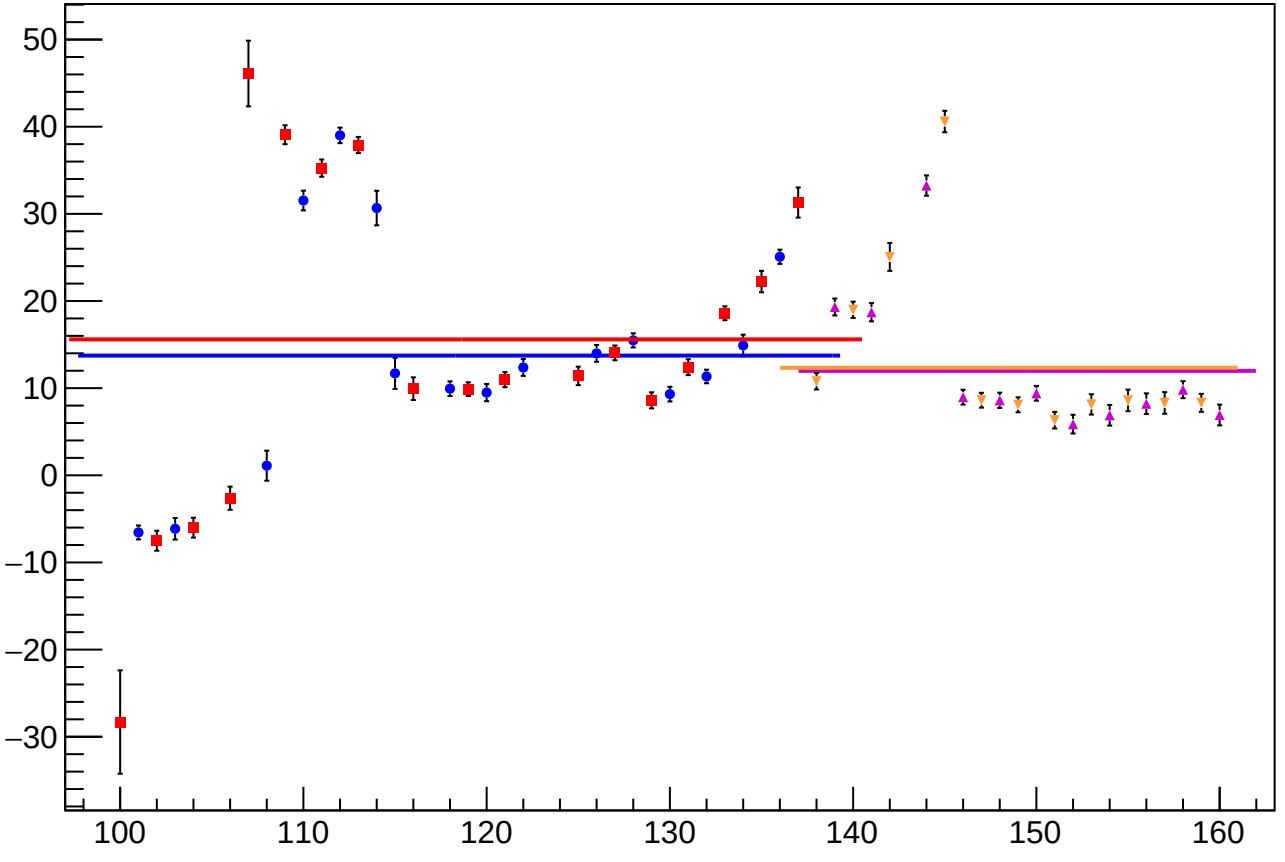
Left In: 1.783+/-0.208 χ^2/NDF:137.1/10

+ sign 3.501+/-0.152 χ^2/NDF: 713.1/26

All: 3.458+/-0.108 χ^2/NDF: 1227.8/55

- 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: 12.340+/-0.315 χ^2/NDF:773.6/10

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

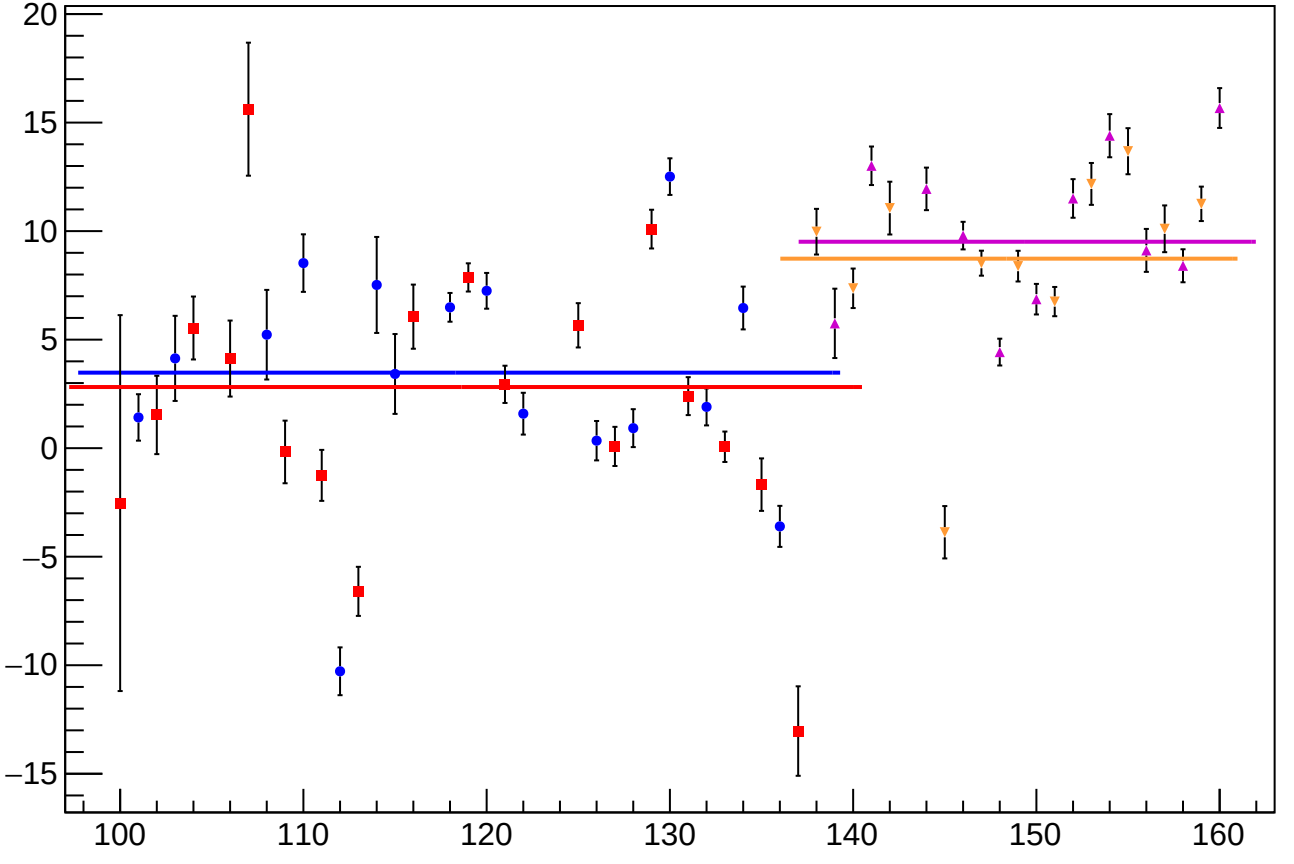
Left In: 11.984+/-0.304 χ^2/NDF:550.7/10

\+ sign 13.206+/-0.194 χ^2/NDF: 3135.7/26

All: 13.676+/-0.137 χ^2/NDF: 6608.7/55

\- 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: 8.731+/-0.257 χ^2/NDF:171.7/10

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

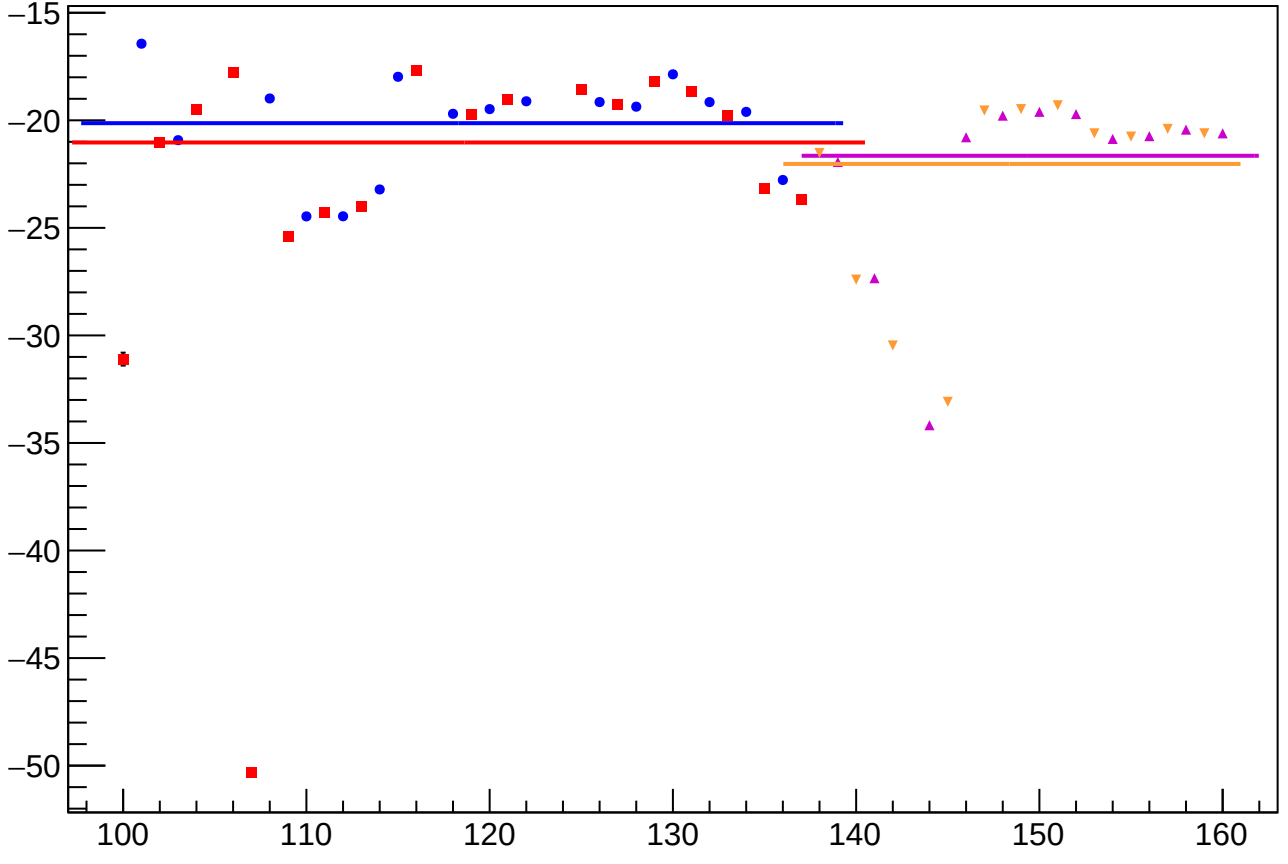
Left In: 9.510+/-0.250 χ^2/NDF:186.0/10

\+ sign 6.068+/-0.181 χ^2/NDF: 810.6/26

All: 6.166+/-0.127 χ^2/NDF: 1691.0/55

\- 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: -22.028+/-0.012 χ^2/NDF:105092.7/10

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

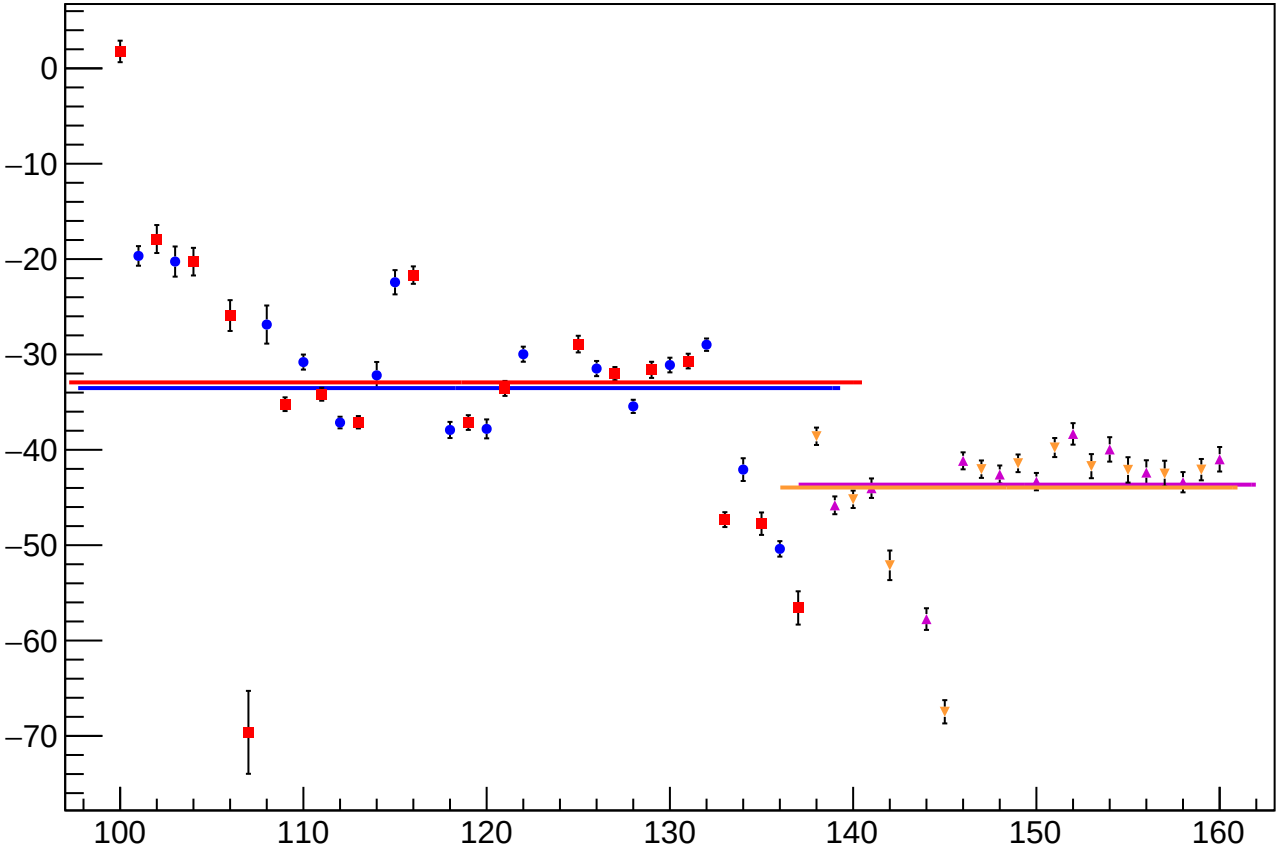
Left In: -21.648+/-0.012 χ^2/NDF:87010.7/10

+ sign -21.332+/-0.010 χ^2/NDF: 133779.9/26

All: -21.390+/-0.007 χ^2/NDF: 279330.6/55

- 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: -43.953+/-0.326 χ^2/NDF:474.3/10

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

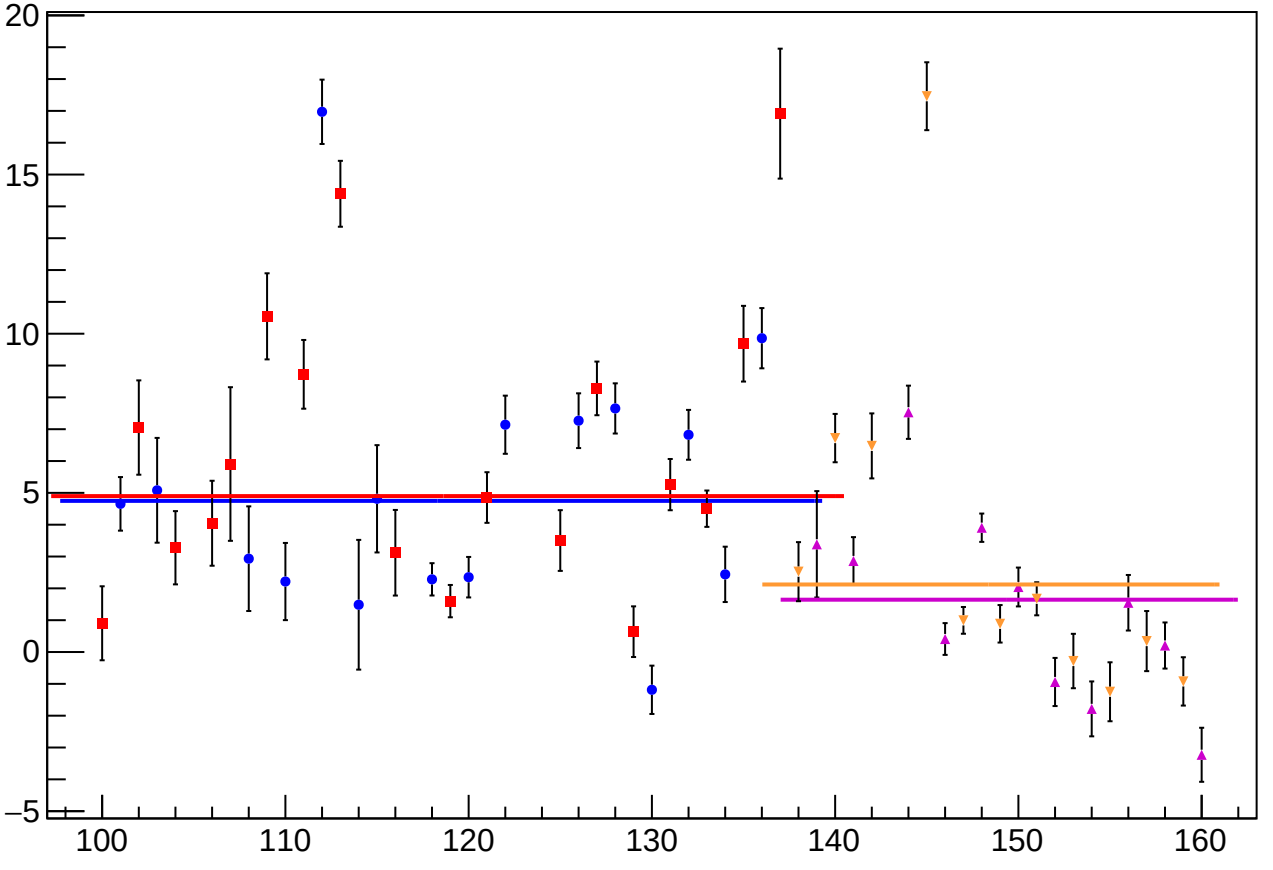
Left In: -43.653+/-0.317 χ^2/NDF:204.8/10

+ sign -36.755+/-0.182 χ^2/NDF: 2188.1/26

All: -36.489+/-0.126 χ^2/NDF: 5359.2/55

- 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: 2.122+/-0.211 χ^2/NDF:315.0/10

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

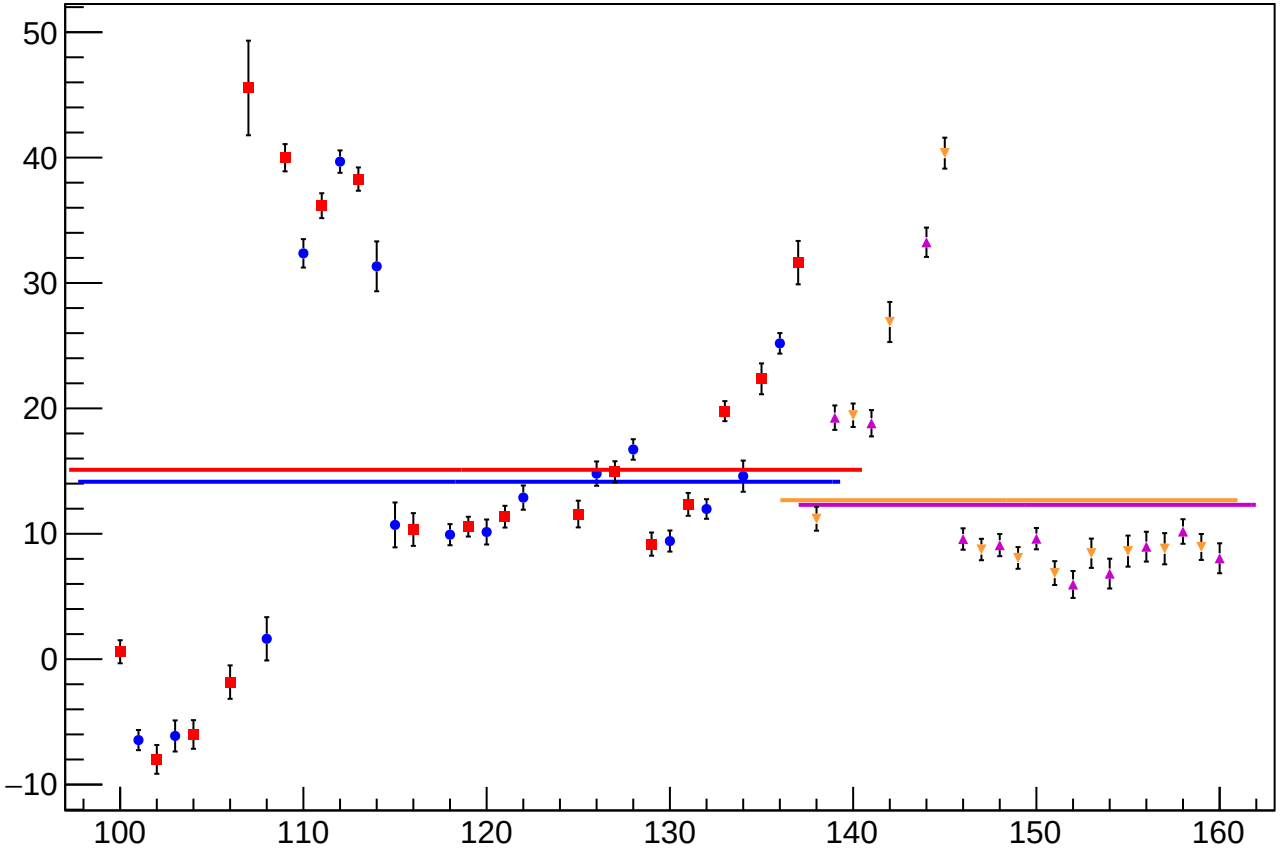
Left In: 1.644+/-0.208 χ^2/NDF:150.1/10

+ sign 3.385+/-0.152 χ^2/NDF: 714.9/26

All: 3.283+/-0.107 χ^2/NDF: 1254.4/55

- 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: 12.681+/-0.315 χ^2/NDF:769.2/10

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

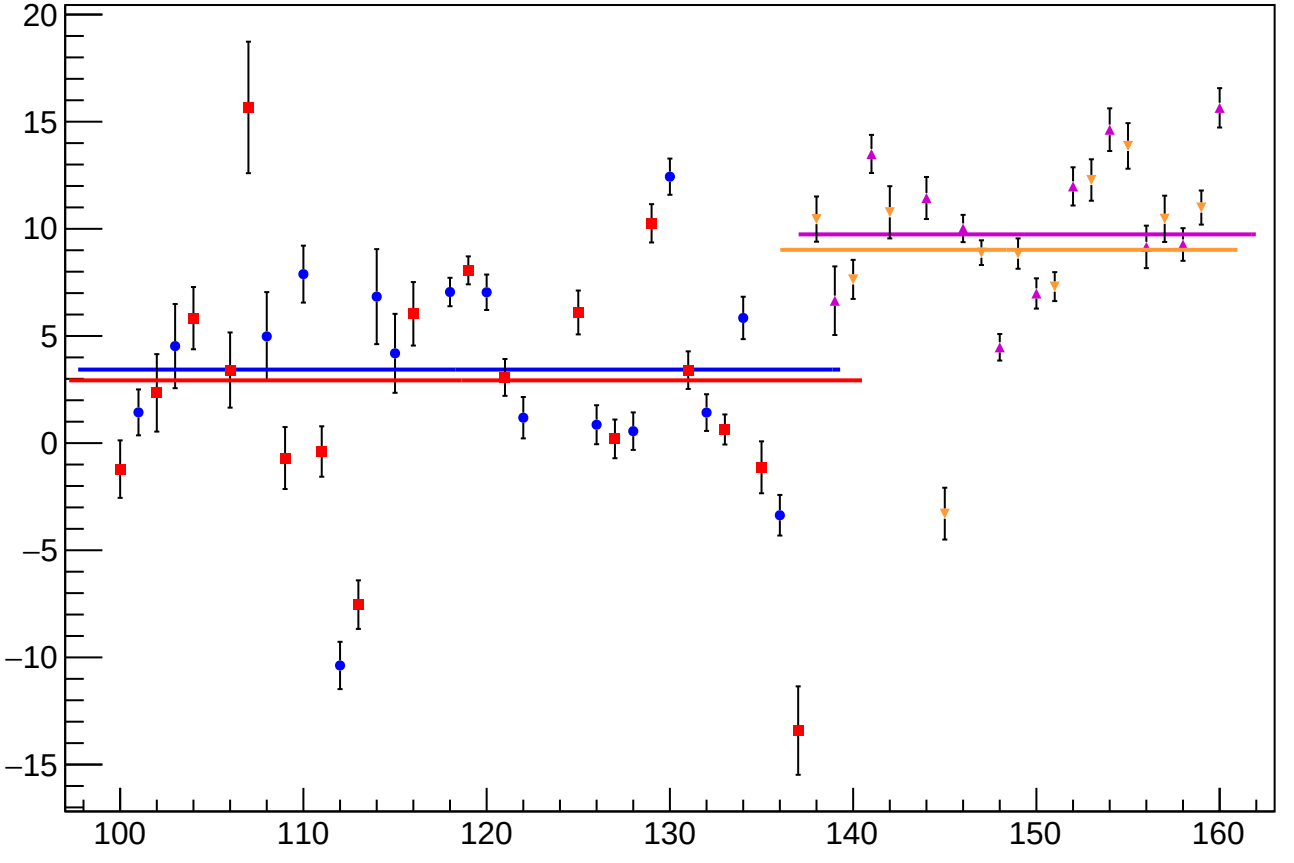
Left In: 12.310+/-0.305 χ^2/NDF:525.5/10

\+ sign 13.590+/-0.195 χ^2/NDF: 3185.0/26

All: 13.812+/-0.136 χ^2/NDF: 6866.9/55

\- 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: 9.021+/-0.258 χ^2/NDF:156.6/10

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

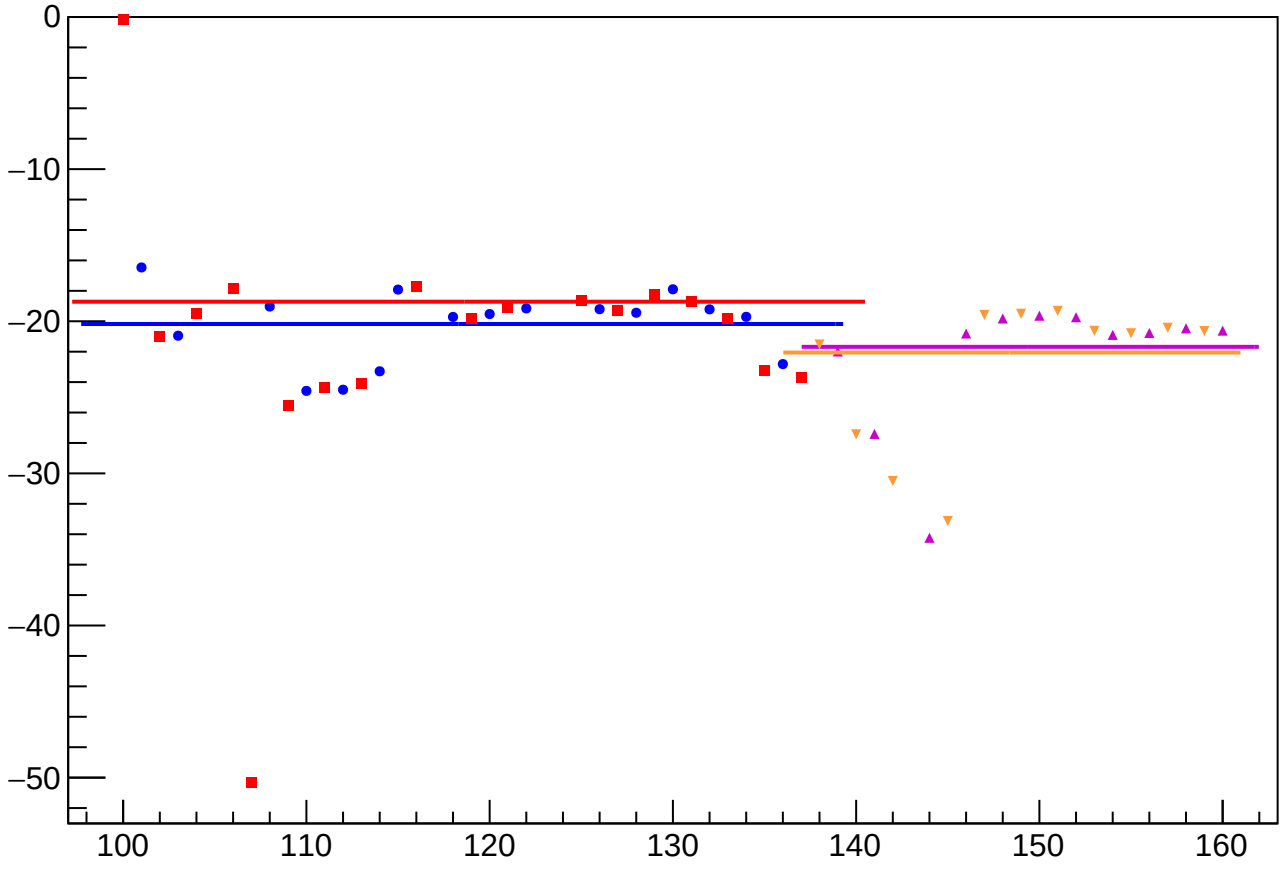
Left In: 9.741+/-0.250 χ^2/NDF:185.0/10

+ sign 6.188+/-0.181 χ^2/NDF: 818.9/26

All: 6.284+/-0.127 χ^2/NDF: 1738.3/55

- sign 6.378+/-0.178 χ^2/NDF: 918.9/28

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -22.056+/-0.012 χ^2/NDF:104842.8/10

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

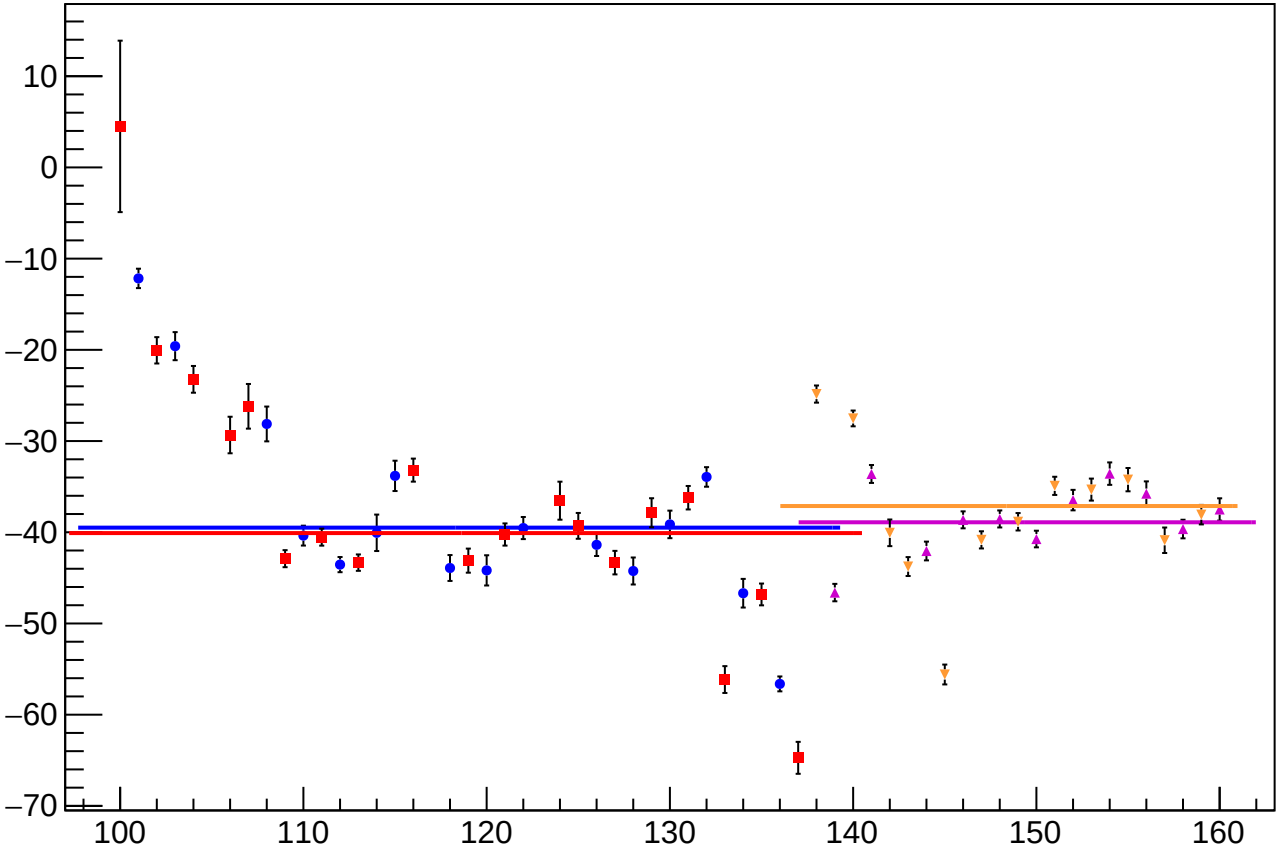
Left In: -21.681+/-0.012 χ^2/NDF:87196.2/10

+ sign -21.367+/-0.010 χ^2/NDF: 133338.4/26

All: -20.980+/-0.007 χ^2/NDF: 481670.5/55

- 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: -37.124+/-0.307 χ^2/NDF:665.6/11

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

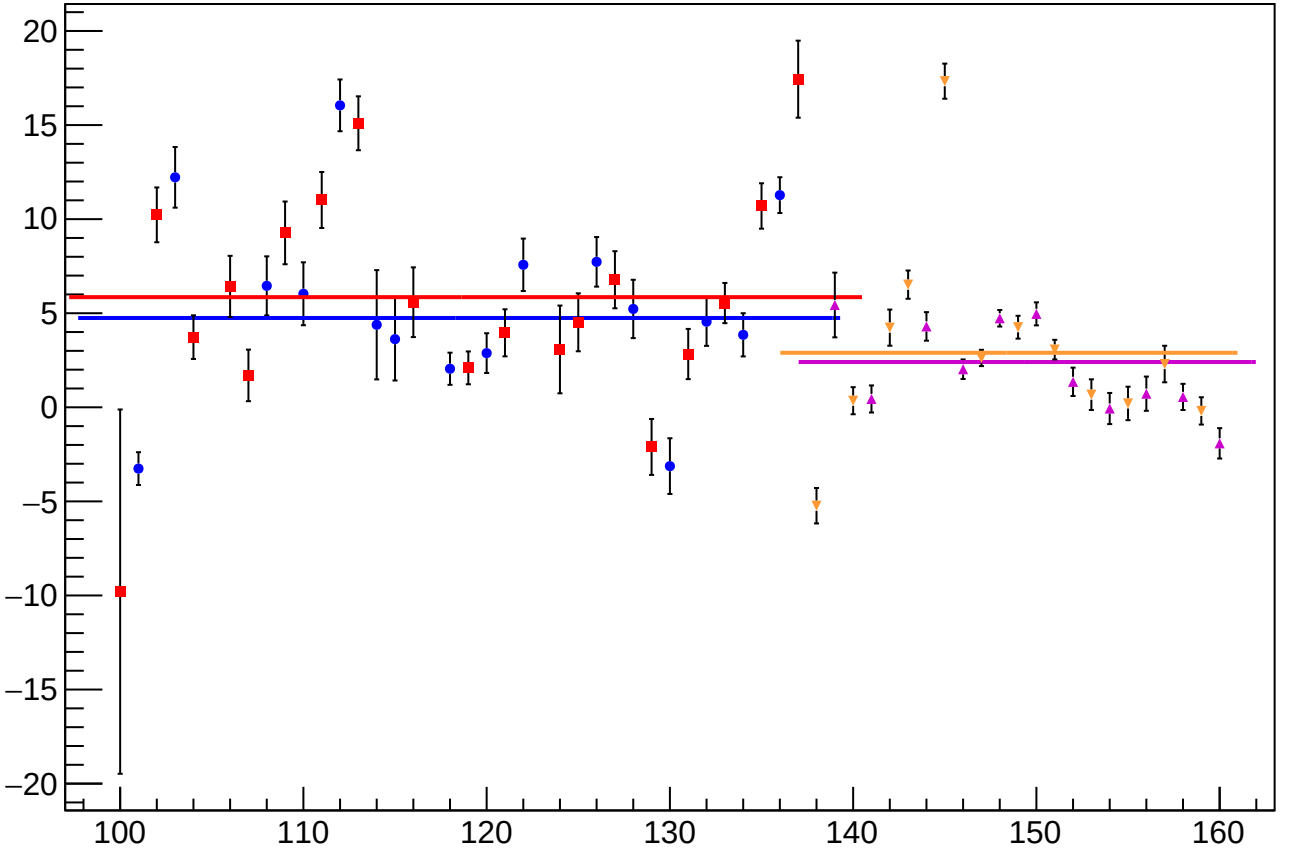
Left In: -38.906+/-0.313 χ^2/NDF:138.6/10

+ sign -38.293+/-0.218 χ^2/NDF: 2112.1/27

All: -38.899+/-0.155 χ^2/NDF: 3108.4/57

- 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: 2.897+/-0.202 χ^2/NDF:392.4/11

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

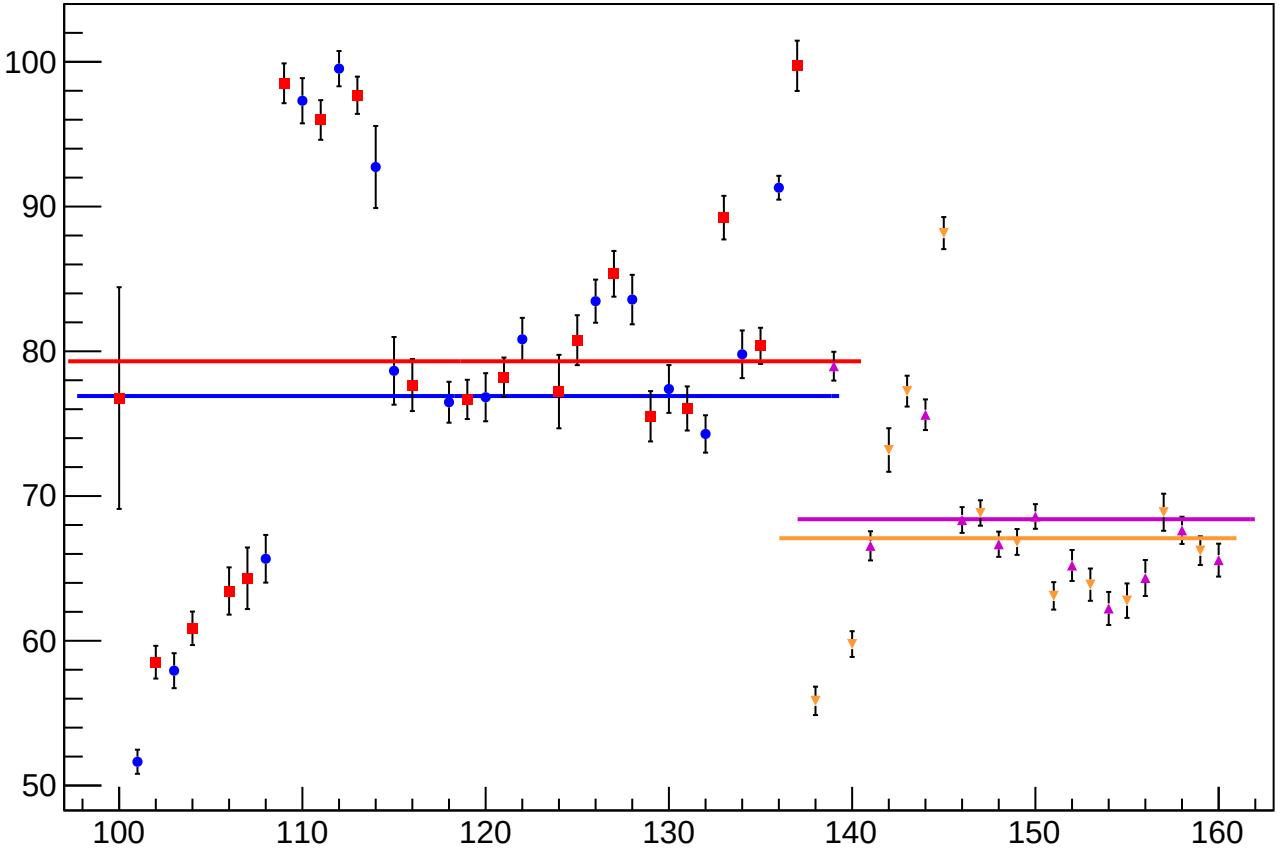
Left In: 2.407+/-0.206 χ^2/NDF:112.9/10

\+ sign 3.434+/-0.170 χ^2/NDF: 690.6/27

All: 3.417+/-0.122 χ^2/NDF: 1071.8/57

\- 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: 67.085+/-0.298 χ^2/NDF:713.8/11

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

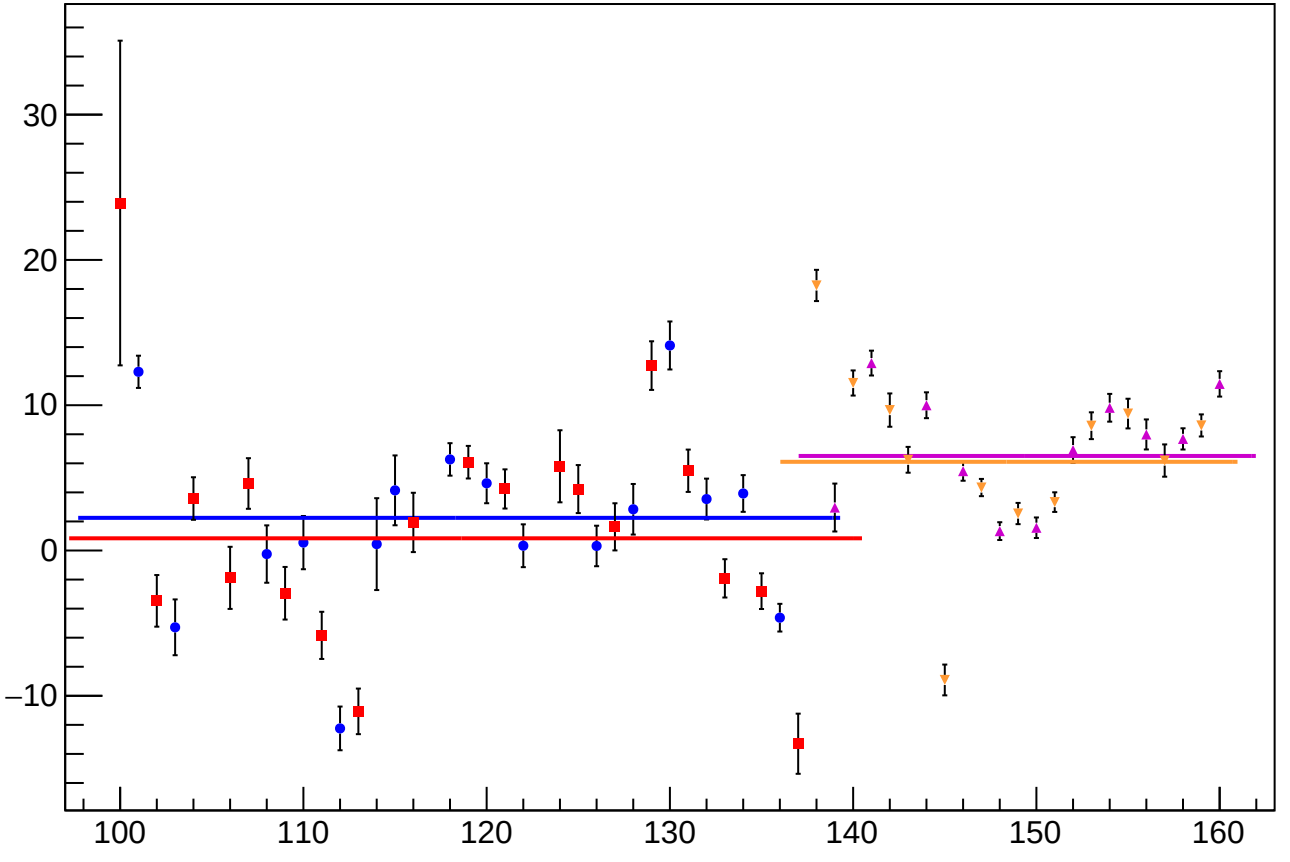
Left In: 68.399+/-0.301 χ^2/NDF:222.2/10

+ sign 71.402+/-0.223 χ^2/NDF: 3306.5/27

All: 72.221+/-0.159 χ^2/NDF: 5615.2/57

- 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: 6.105+/-0.245 χ^2/NDF:455.4/11

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

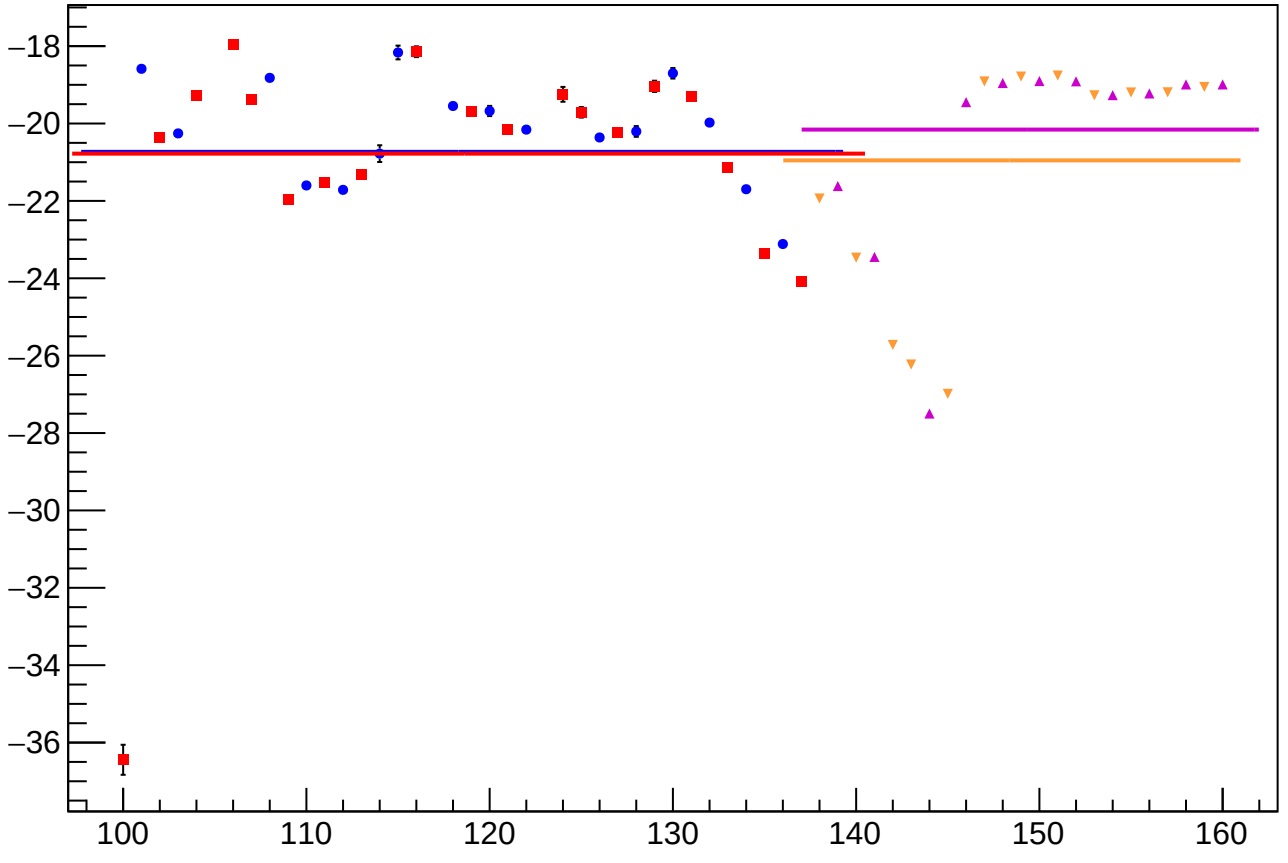
Left In: 6.508+/-0.247 χ^2/NDF:247.7/10

+ sign 4.900+/-0.203 χ^2/NDF: 852.6/27

All: 4.839+/-0.144 χ^2/NDF: 1518.0/57

- 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: -20.953+/-0.012 χ^2/NDF:61956.6/11

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

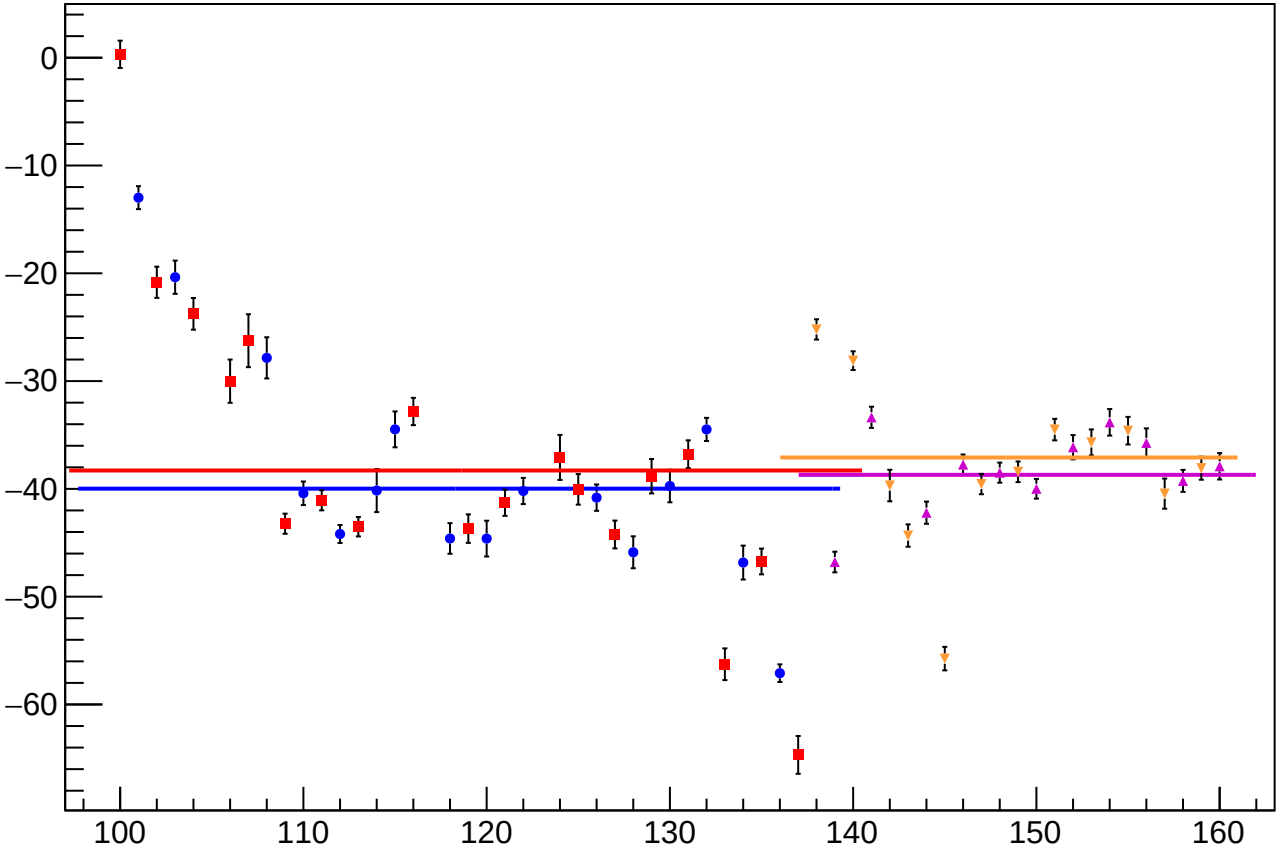
Left In: -20.157+/-0.011 χ^2/NDF:39070.6/10

+ sign -20.895+/-0.010 χ^2/NDF: 69685.3/27

All: -20.600+/-0.007 χ^2/NDF: 120641.6/57

- 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: -37.089+/-0.307 χ^2/NDF:638.5/11

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

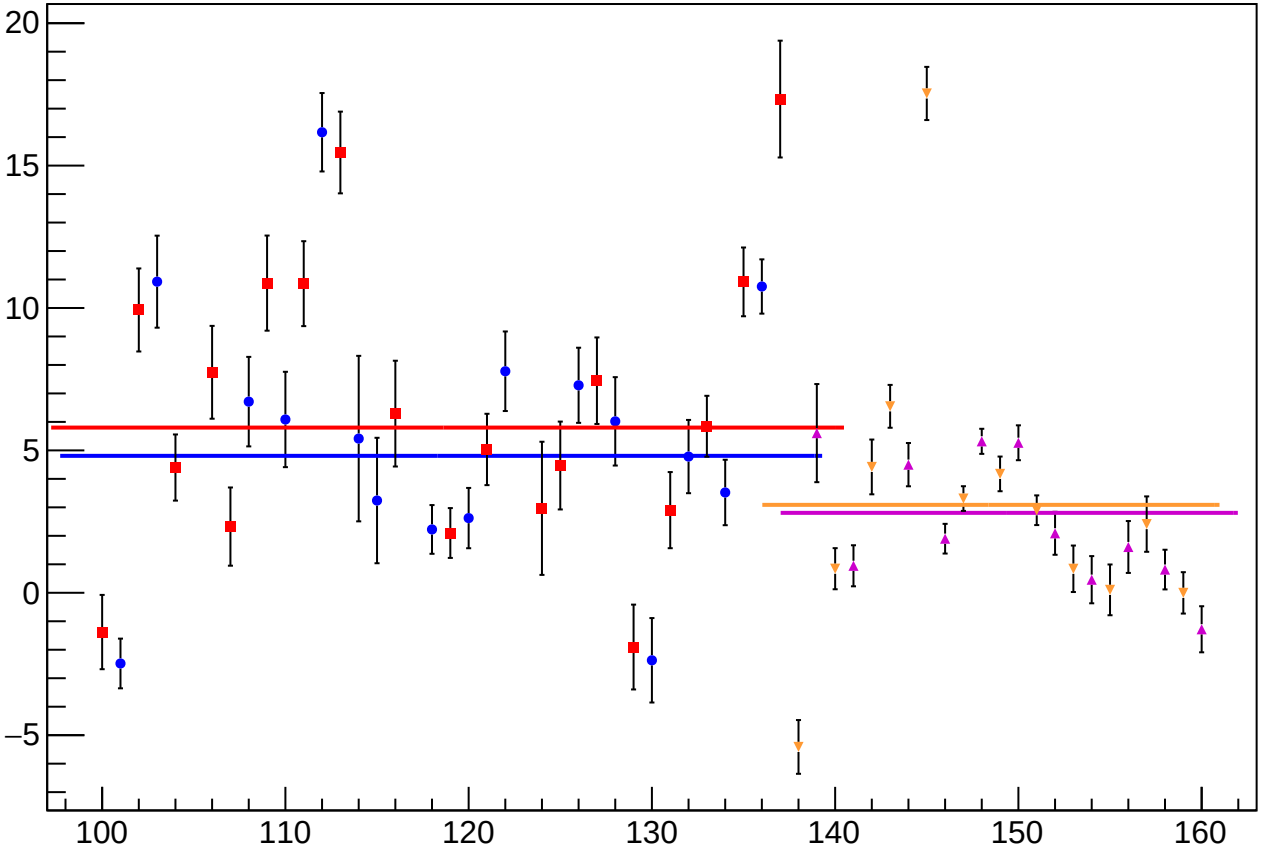
Left In: -38.697+/-0.313 χ^2/NDF:142.0/10

\+ sign -38.516+/-0.219 χ^2/NDF: 2080.6/27

All: -38.501+/-0.154 χ^2/NDF: 3997.1/57

\- 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: 3.087+/-0.202 χ^2/NDF:394.2/11

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

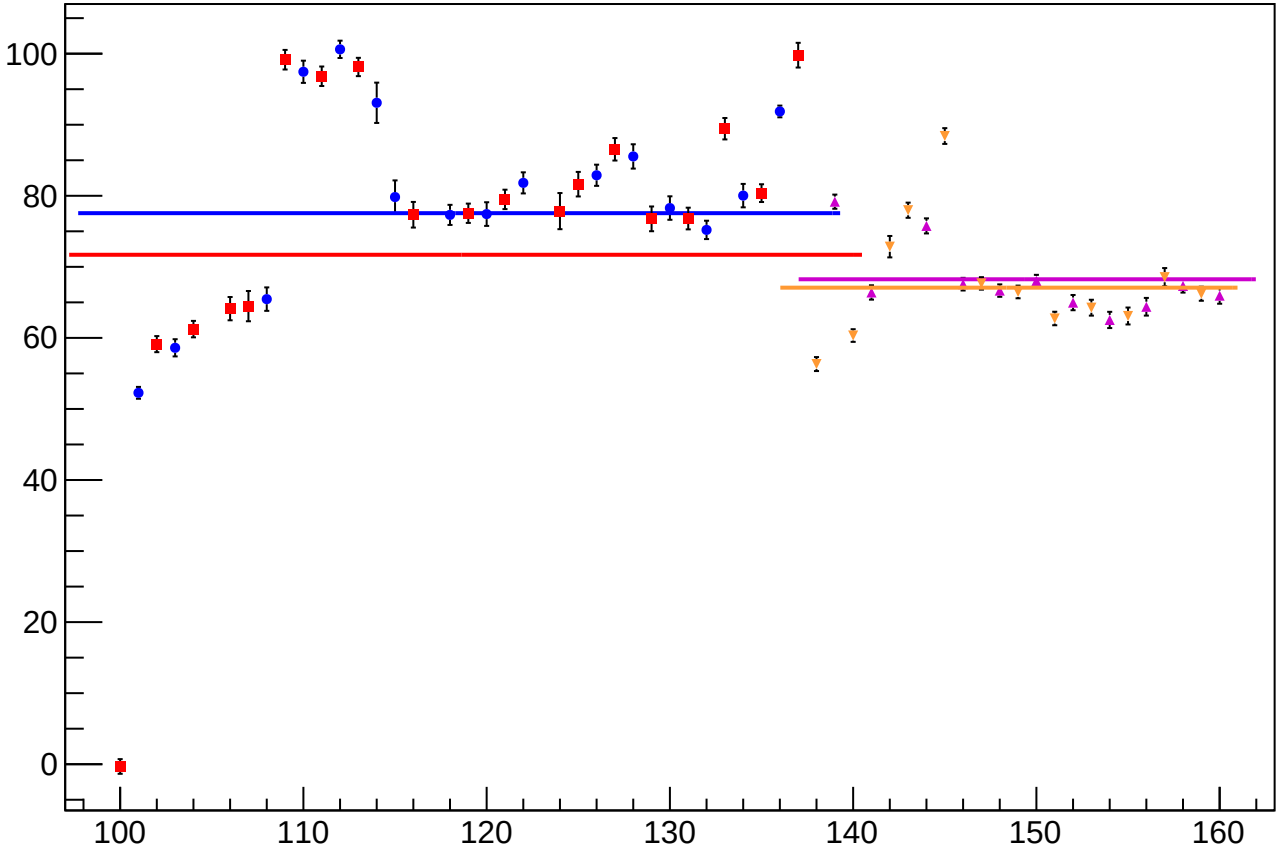
Left In: 2.807+/-0.206 χ^2/NDF:110.3/10

\+ sign 3.587+/-0.170 χ^2/NDF: 655.7/27

All: 3.645+/-0.121 χ^2/NDF: 1046.0/57

\- 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: 67.070+/-0.299 χ^2/NDF:707.0/11

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

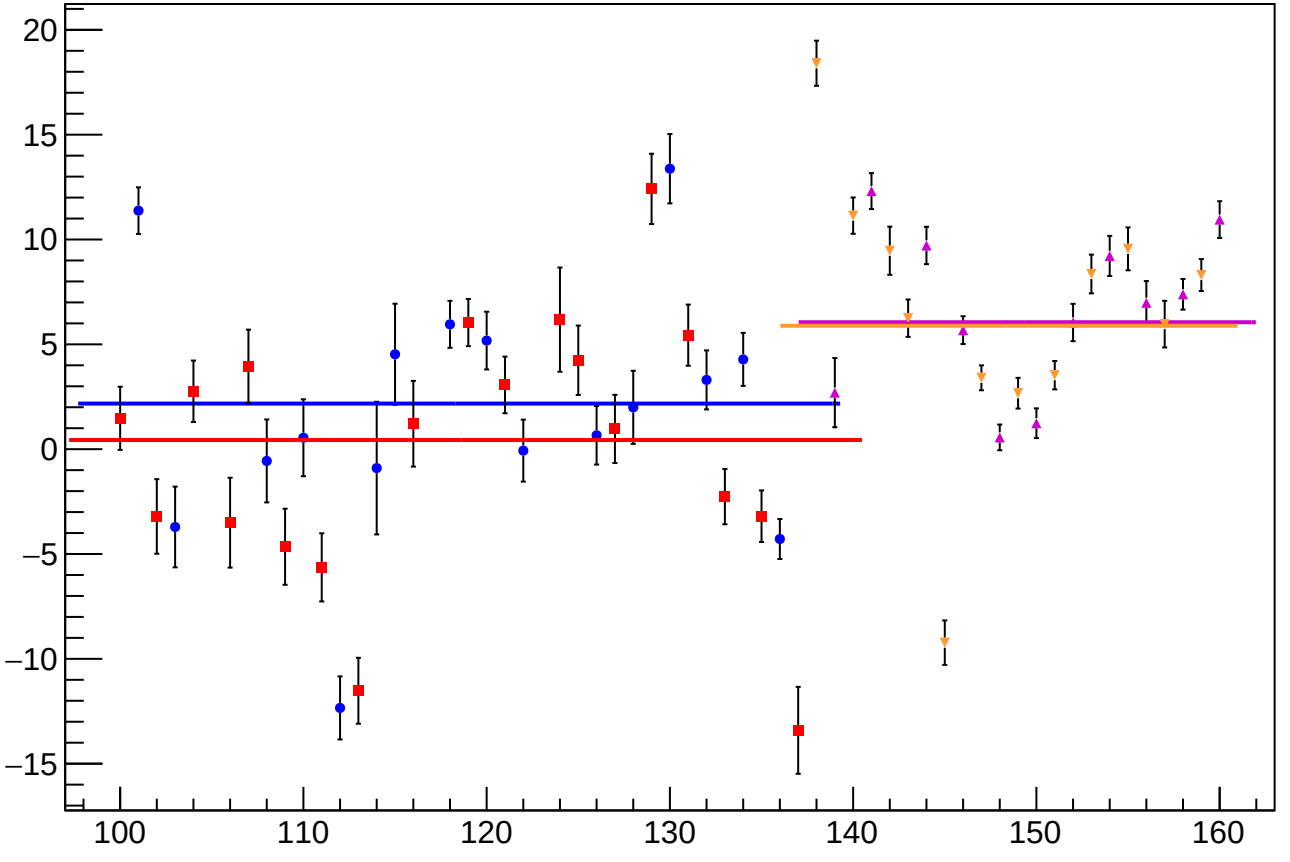
Left In: 68.250+/-0.302 χ^2/NDF:226.6/10

+ sign 71.677+/-0.224 χ^2/NDF: 3366.5/27

All: 70.743+/-0.158 χ^2/NDF: 10590.8/57

- 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: 5.886+/-0.245 χ^2/NDF:463.8/11

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

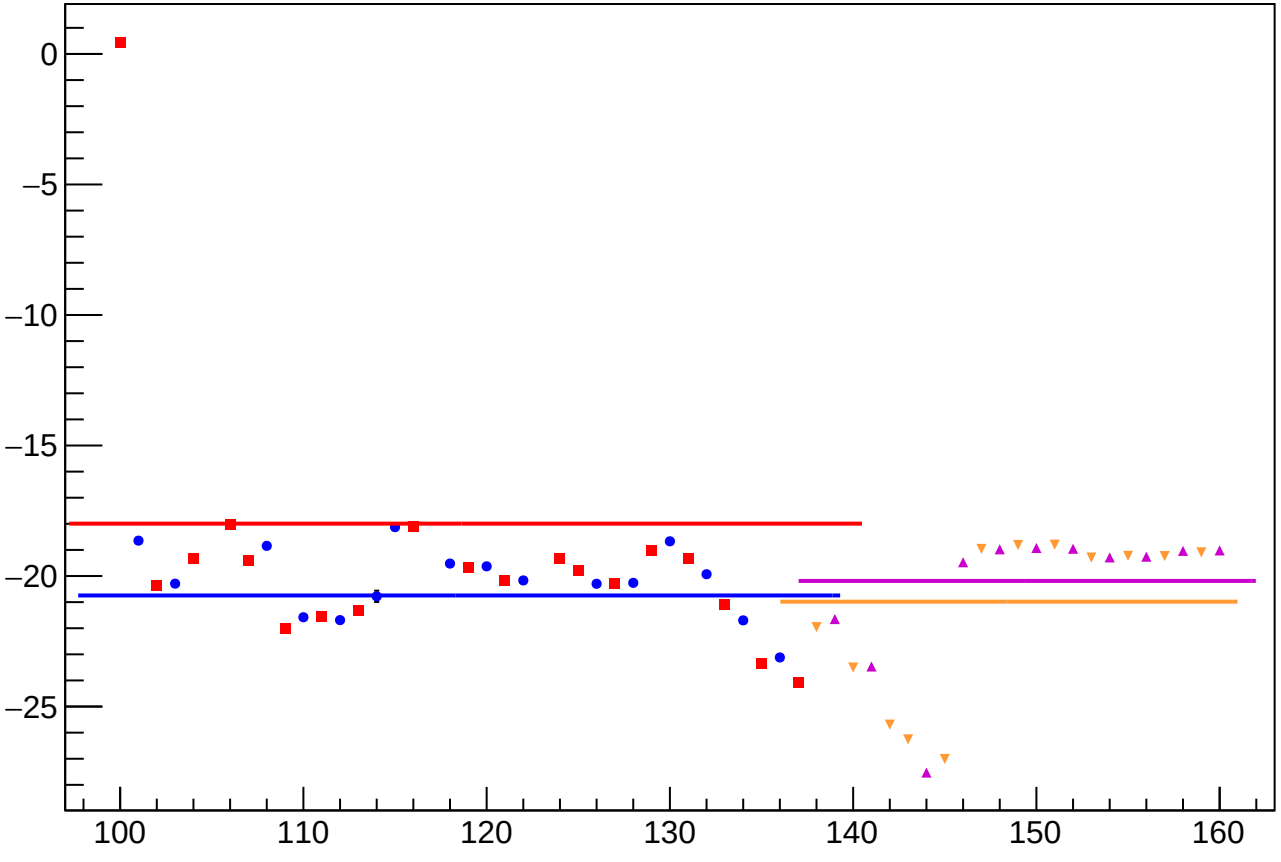
Left In: 6.055+/-0.247 χ^2/NDF:247.5/10

\+ sign 4.726+/-0.203 χ^2/NDF: 825.7/27

All: 4.498+/-0.144 χ^2/NDF: 1494.1/57

\- 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: -20.982+/-0.012 χ^2/NDF:61472.9/11

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

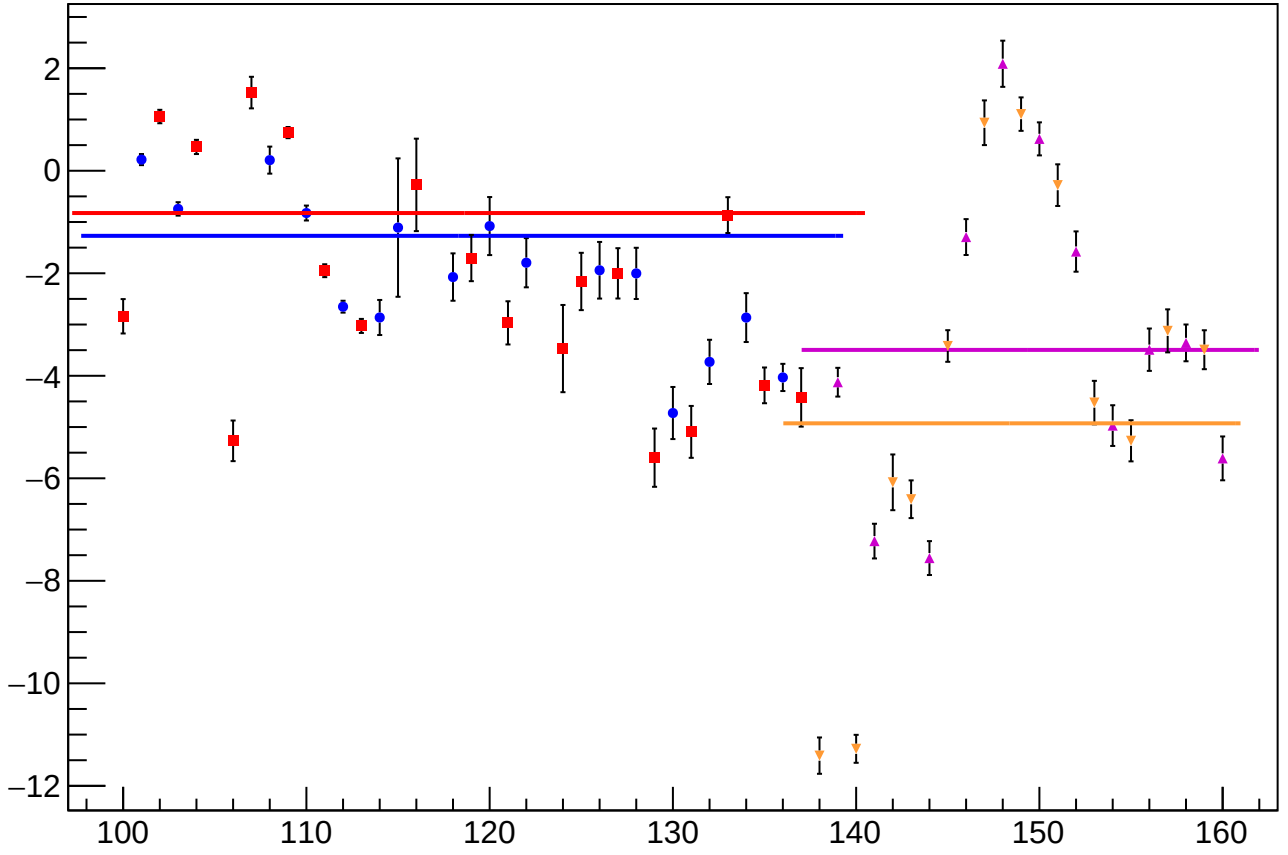
Left In: -20.187+/-0.011 χ^2/NDF:38898.6/10

+ sign -20.919+/-0.010 χ^2/NDF: 69096.2/27

All: -20.245+/-0.007 χ^2/NDF: 277386.0/57

- 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: -4.928+/-0.107 χ^2/NDF:1608.7/11

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

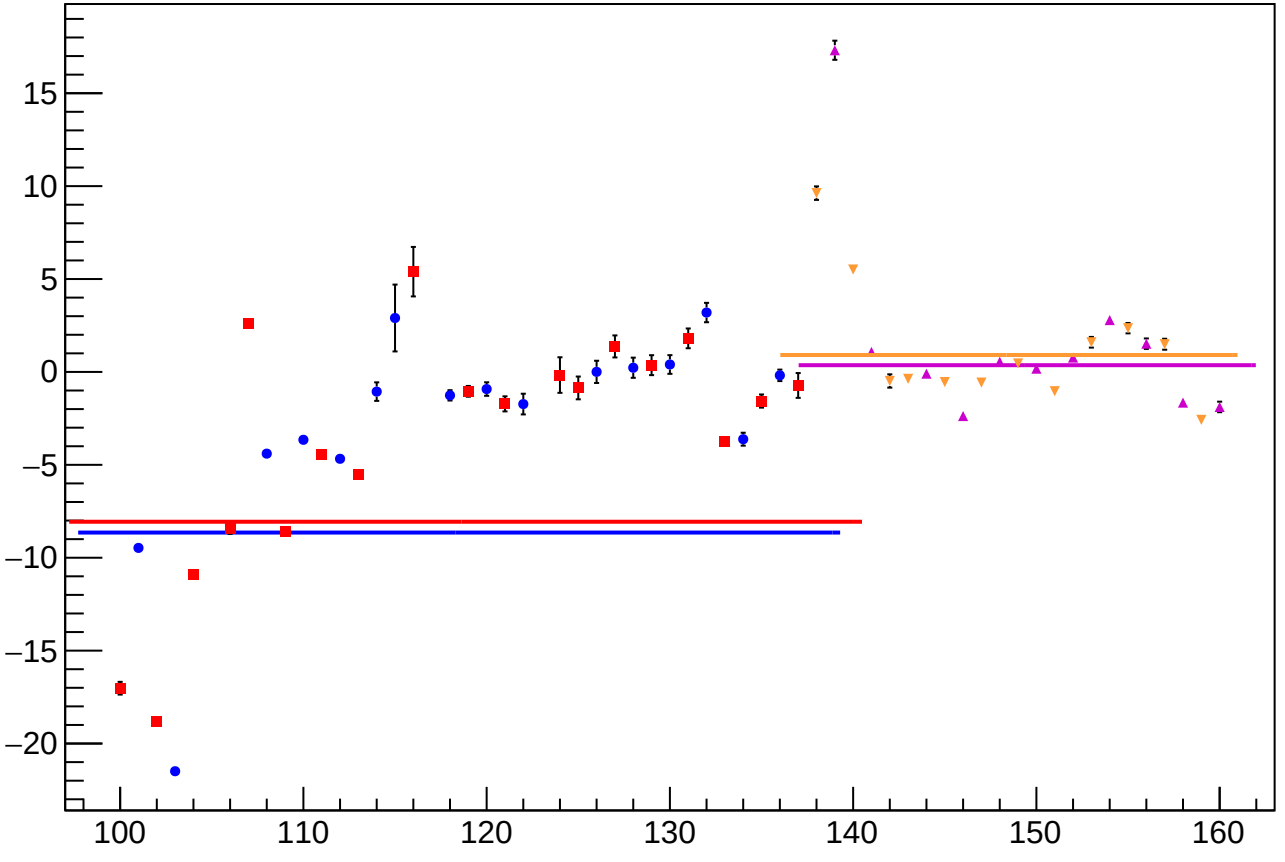
Left In: -3.495+/-0.108 χ^2/NDF:695.9/10

+ sign -2.026+/-0.049 χ^2/NDF: 3156.4/27

All: -1.650+/-0.033 χ^2/NDF: 5848.1/57

- 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: 0.911+/-0.074 χ^2/NDF:1395.4/11

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

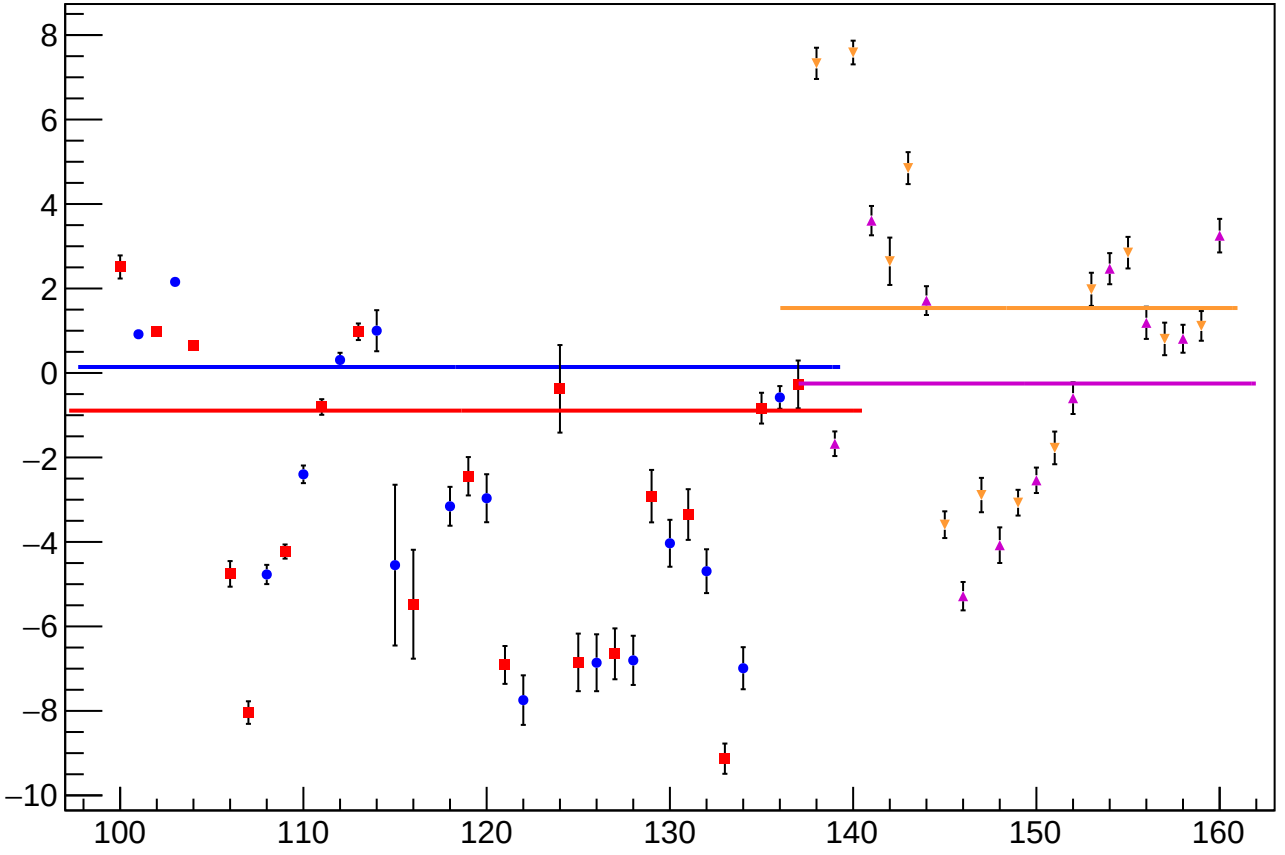
Left In: 0.363+/-0.077 χ^2/NDF:1493.1/10

+ sign -5.112+/-0.045 χ^2/NDF: 25635.8/27

All: -5.068+/-0.032 χ^2/NDF: 49309.2/57

- sign -5.021+/-0.046 χ^2/NDF: 23671.5/29

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.538+/-0.104 χ^2/NDF:1491.8/11

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

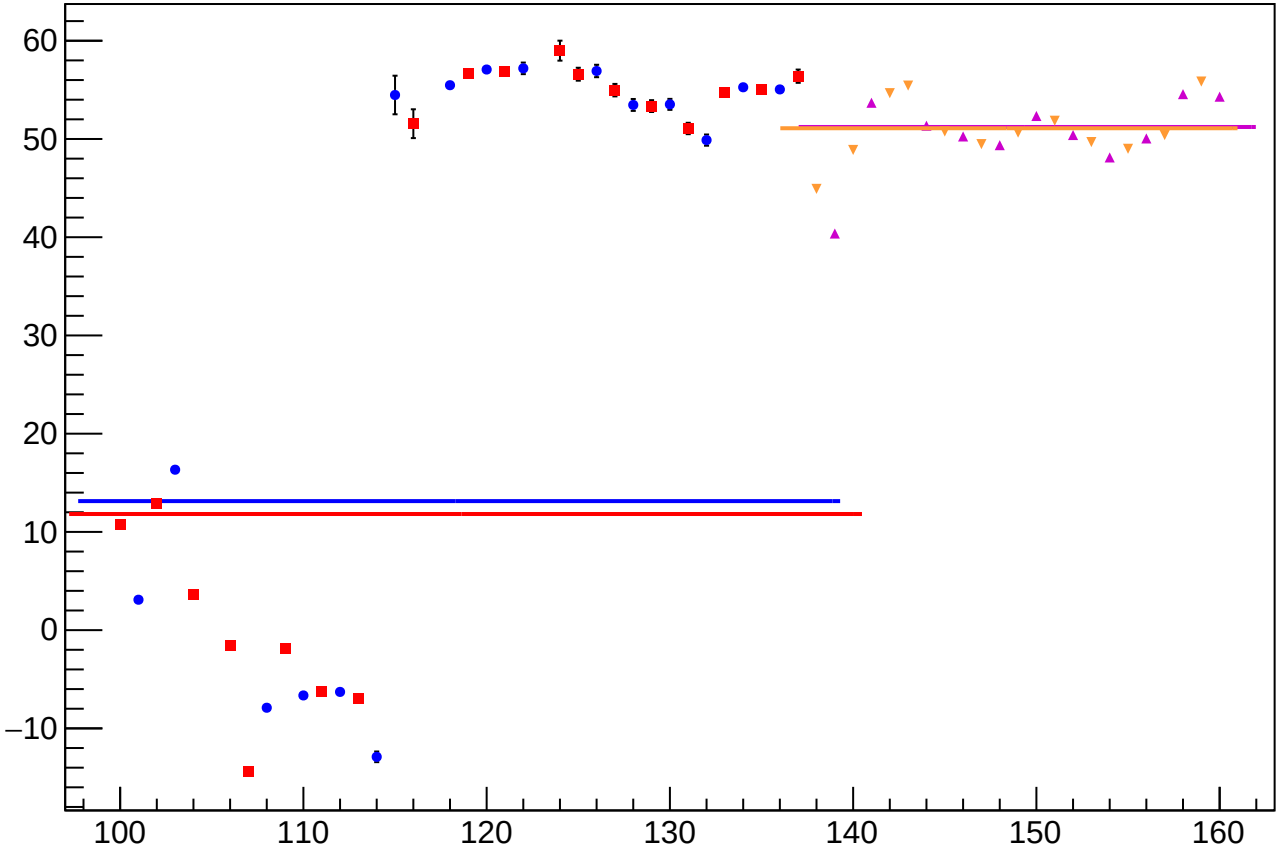
Left In: -0.250+/-0.105 χ^2/NDF:702.4/10

+ sign 0.428+/-0.047 χ^2/NDF: 3594.3/27

All: -0.158+/-0.034 χ^2/NDF: 7624.2/57

- 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: 51.093+/-0.088 χ^2/NDF:968.1/11

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

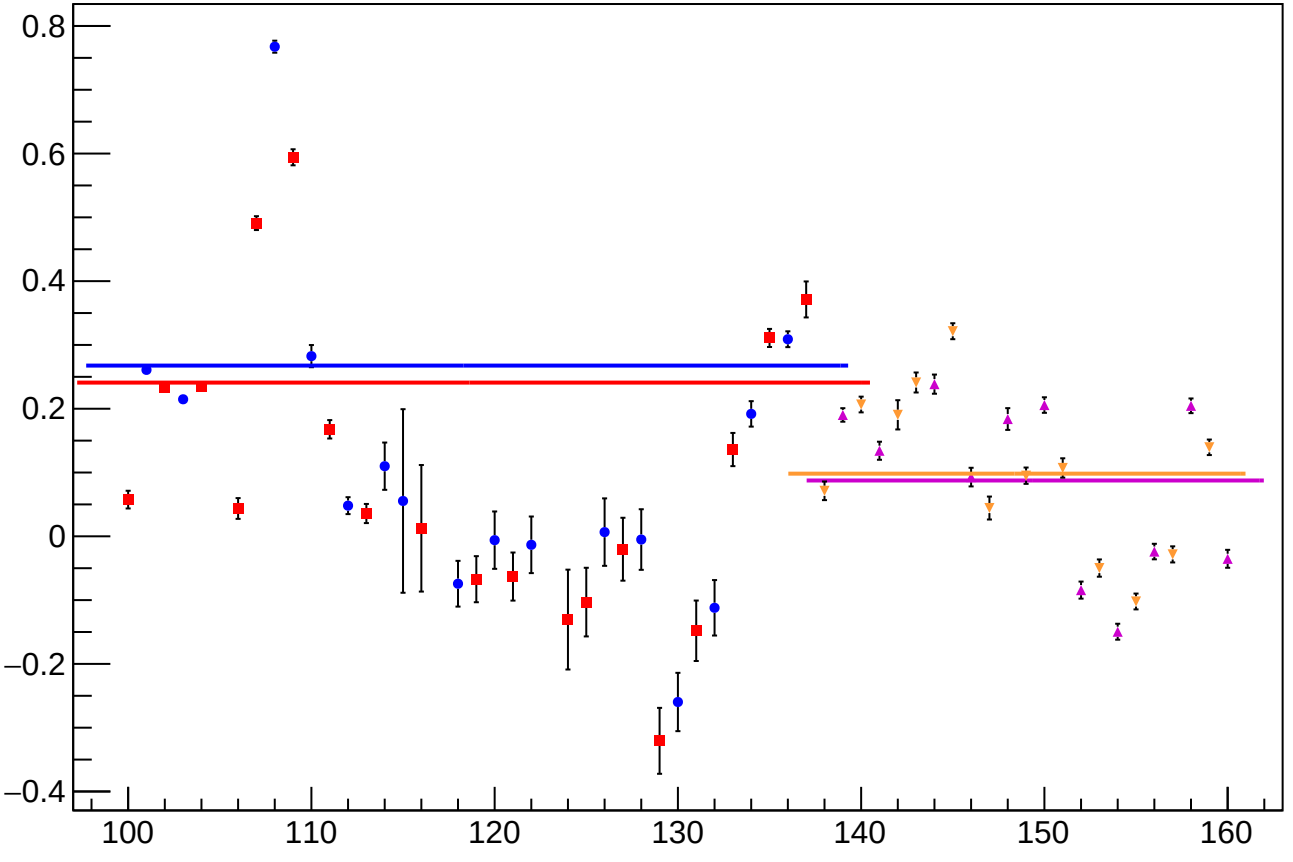
Left In: 51.222+/-0.089 χ^2/NDF:1012.9/10

\+ sign 27.281+/-0.054 χ^2/NDF: 225850.9/27

All: 26.770+/-0.038 χ^2/NDF: 468741.1/57

\- 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: 0.098+/-0.004 χ^2/NDF:1000.6/11

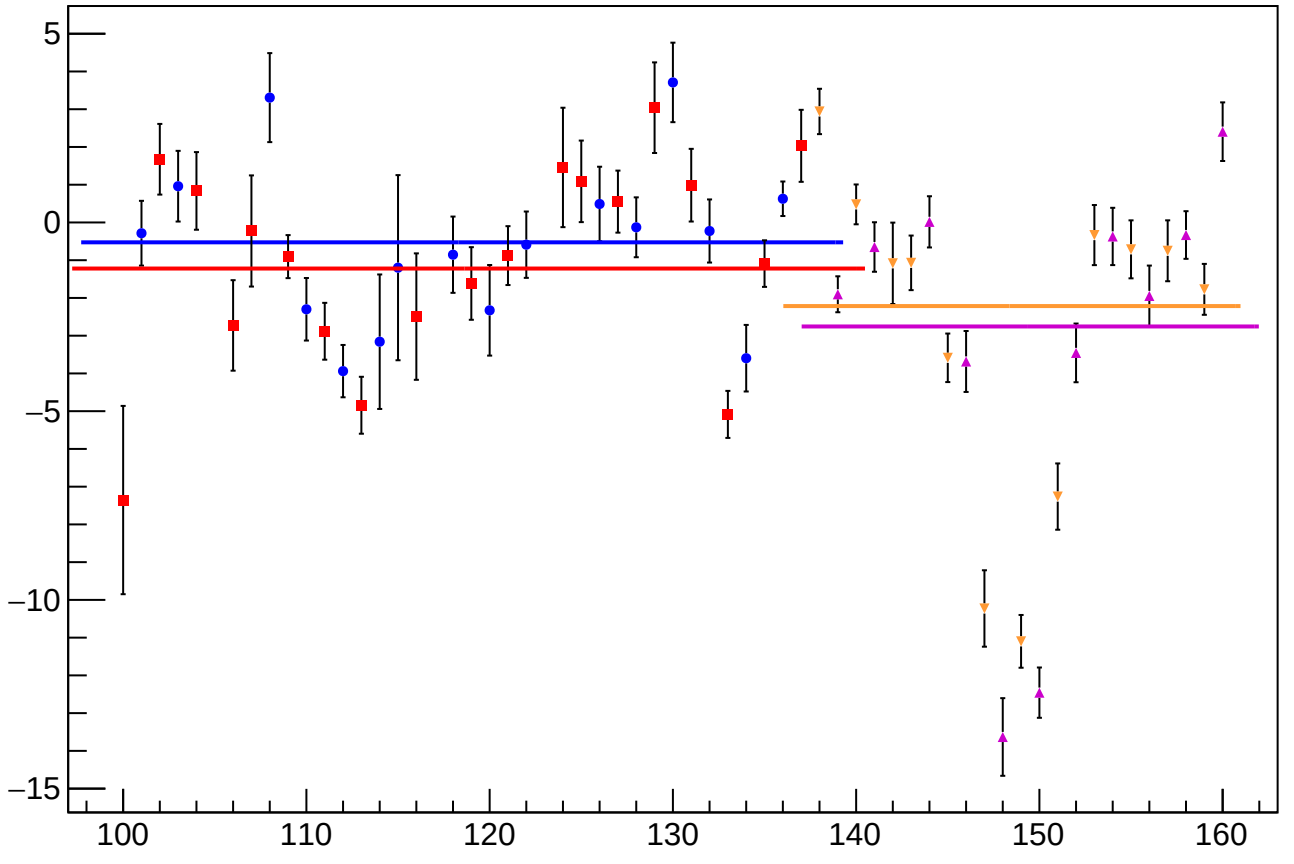
Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.088+/-0.004 χ^2/NDF:1121.1/10

+ sign 0.212+/-0.002 χ^2/NDF: 5922.9/27

All: 0.201+/-0.002 χ^2/NDF: 10450.8/57

- sign 0.191+/-0.002 χ^2/NDF: 4482.8/29



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -2.215+/-0.209 χ^2/NDF:378.3/11

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

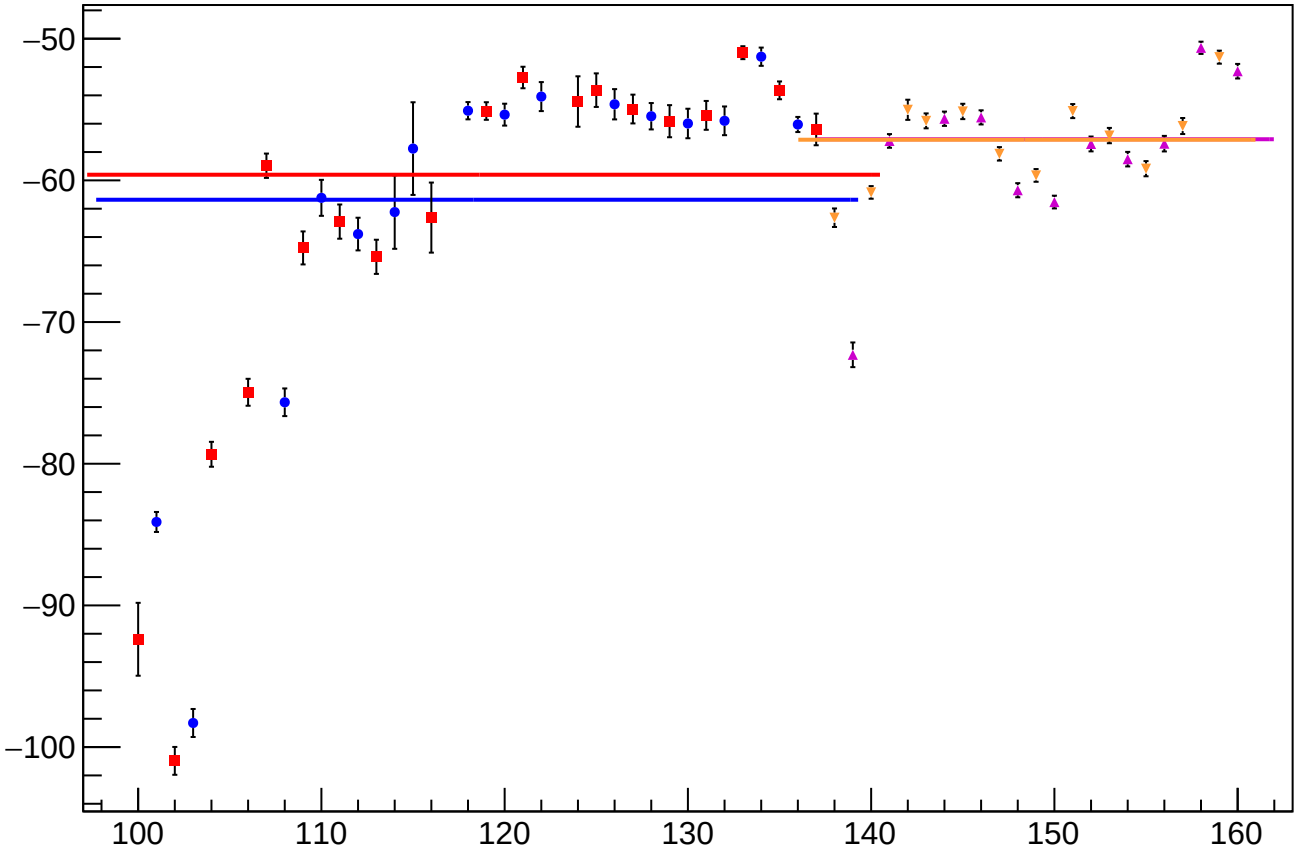
Left In: -2.756+/-0.210 χ^2/NDF:425.9/10

+ sign -1.403+/-0.151 χ^2/NDF: 492.4/27

All: -1.694+/-0.105 χ^2/NDF: 1083.9/57

- 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: -57.131+/-0.150 χ^2/NDF:399.6/11

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

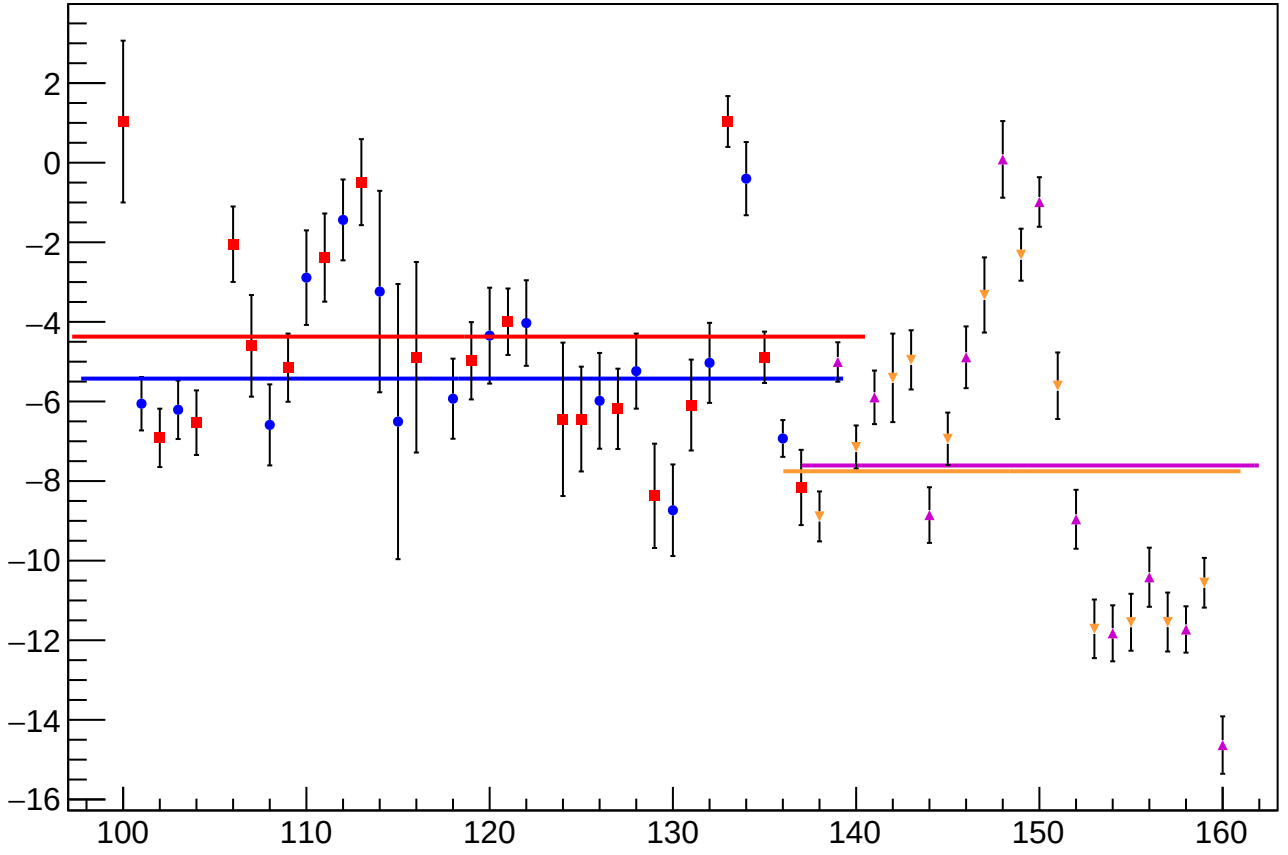
Left In: -57.097+/-0.154 χ^2/NDF:789.2/10

+ sign -58.482+/-0.124 χ^2/NDF: 4005.5/27

All: -58.235+/-0.087 χ^2/NDF: 8318.6/57

- 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: -7.754+/-0.204 χ^2/NDF:226.1/11

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

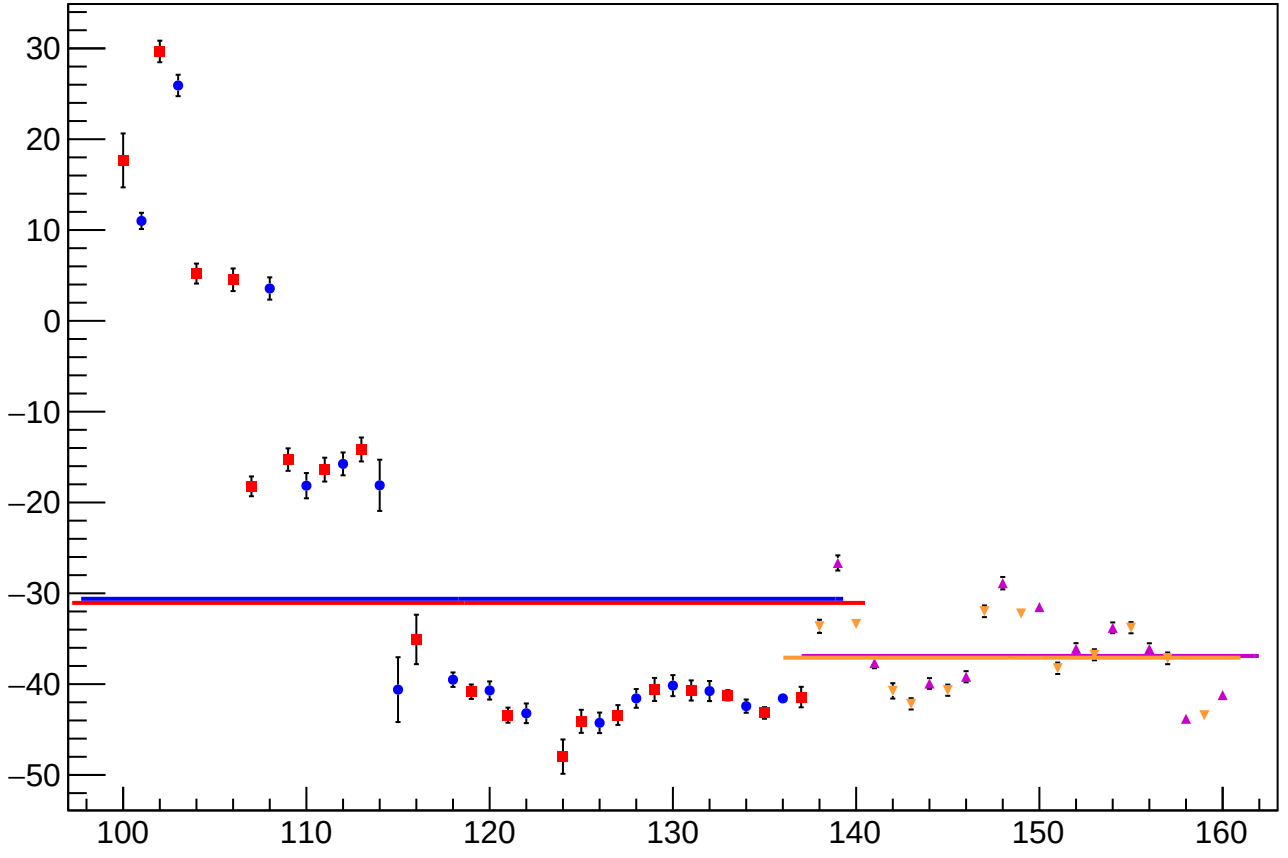
Left In: -7.609+/-0.203 χ^2/NDF:424.8/10

+ sign -6.726+/-0.153 χ^2/NDF: 359.3/27

All: -6.425+/-0.107 χ^2/NDF: 1063.7/57

- 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: -37.089+/-0.176 χ^2/NDF:540.4/11

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

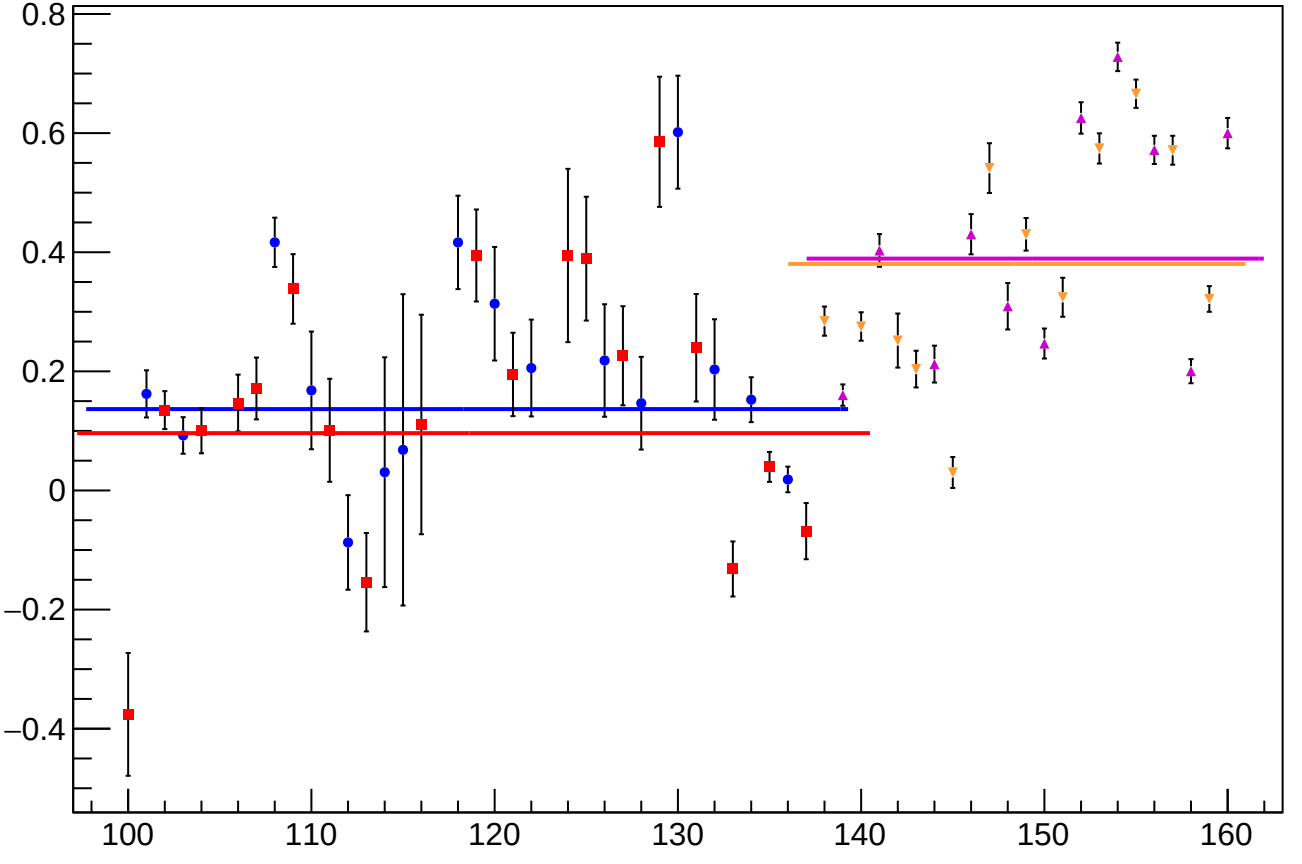
Left In: -36.900+/-0.177 χ^2/NDF:758.4/10

\+ sign -34.940+/-0.144 χ^2/NDF: 7930.3/27

All: -34.879+/-0.101 χ^2/NDF: 16054.6/57

\- 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: 0.380+/-0.008 χ^2/NDF:549.8/11

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

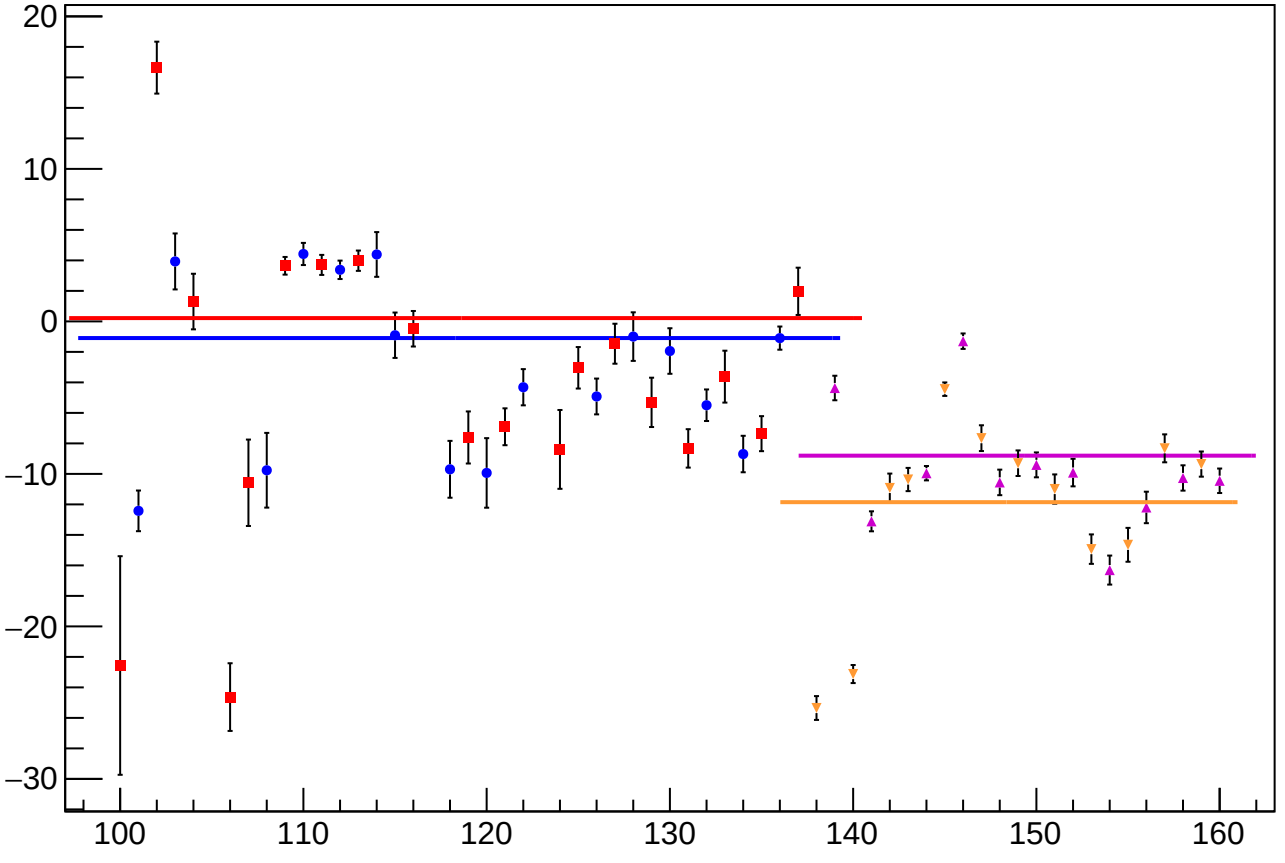
Left In: 0.389+/-0.008 χ^2/NDF:730.2/10

+ sign 0.312+/-0.007 χ^2/NDF: 952.7/27

All: 0.311+/-0.005 χ^2/NDF: 2240.9/57

- 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: -11.854+/-0.219 χ^2/NDF:1022.1/11

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

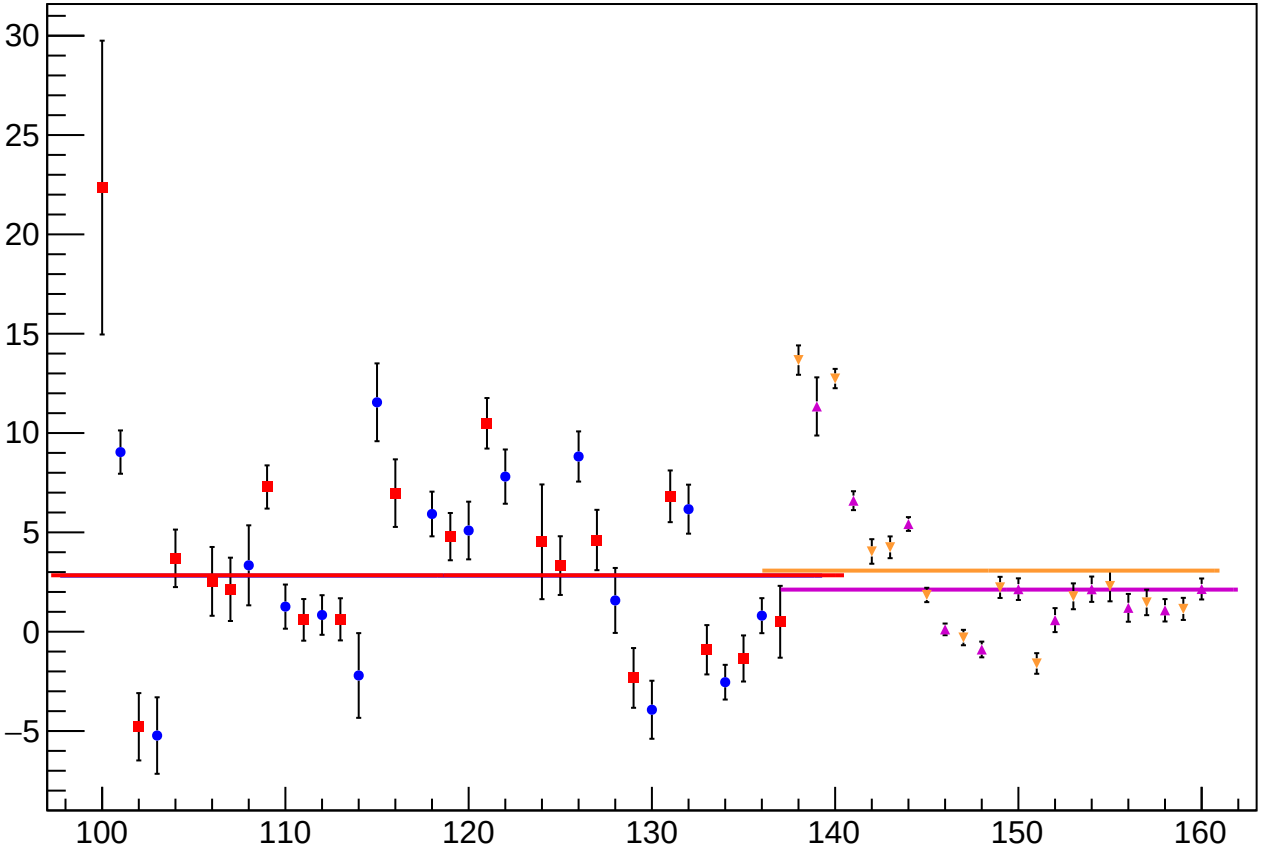
Left In: -8.805+/-0.216 χ^2/NDF:385.8/10

\+ sign -7.786+/-0.172 χ^2/NDF: 2269.1/27

All: -6.470+/-0.120 χ^2/NDF: 3981.9/57

\- 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: 3.075+/-0.152 χ^2/NDF:801.2/11

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

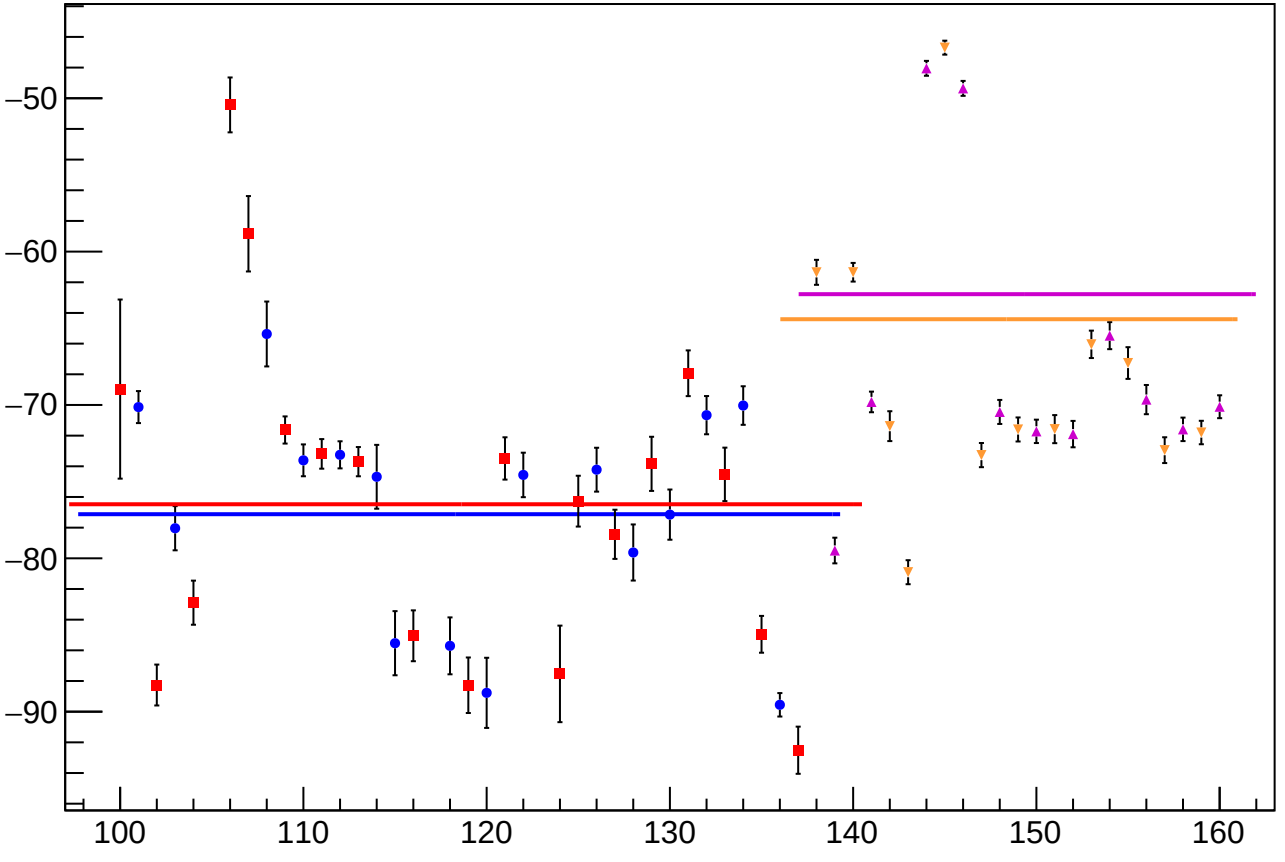
Left In: 2.119+/-0.144 χ^2/NDF:334.8/10

+ sign 3.027+/-0.137 χ^2/NDF: 1001.3/27

All: 2.616+/-0.095 χ^2/NDF: 1502.5/57

- 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: -64.409+/-0.216 χ^2/NDF:2524.2/11

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

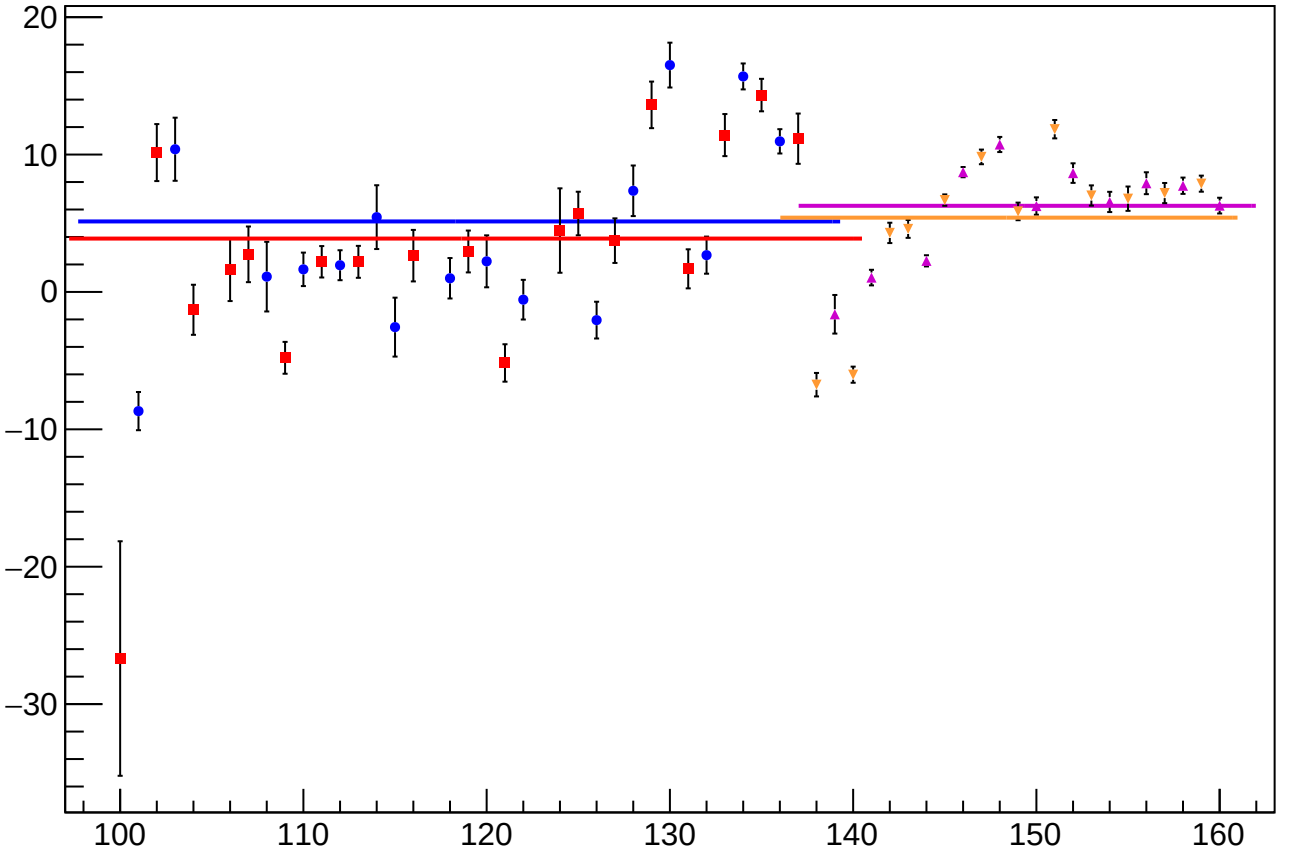
Left In: -62.776+/-0.210 χ^2/NDF:2822.3/10

+ sign -68.281+/-0.180 χ^2/NDF: 4083.5/27

All: -67.502+/-0.126 χ^2/NDF: 8873.0/57

- 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: 5.407+/-0.181 χ^2/NDF:788.4/11

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

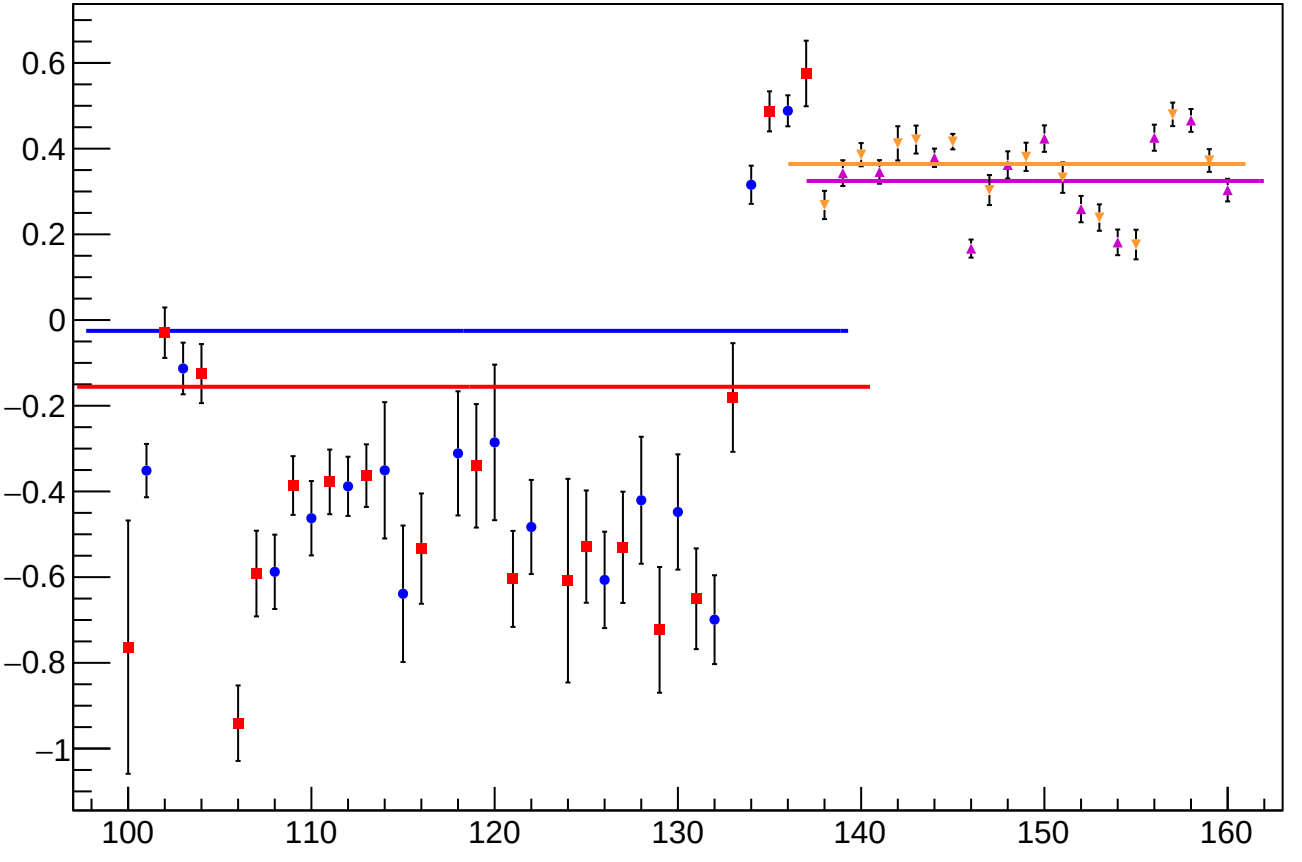
Left In: 6.270+/-0.172 χ^2/NDF:343.8/10

+ sign 5.349+/-0.161 χ^2/NDF: 1201.3/27

All: 5.599+/-0.112 χ^2/NDF: 1876.7/57

- 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: 0.364+/-0.008 χ^2/NDF:90.0/11

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

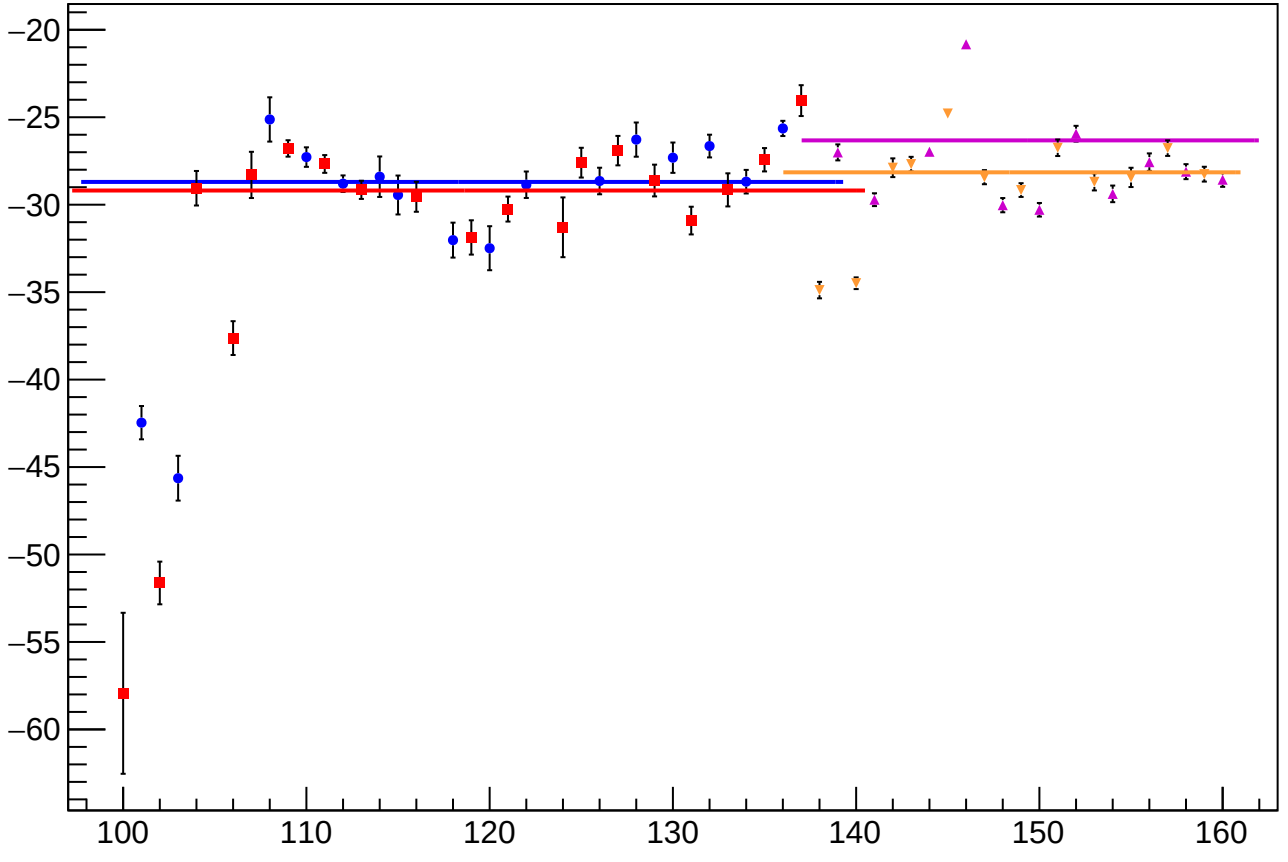
Left In: 0.325+/-0.008 χ^2/NDF:142.0/10

+ sign 0.300+/-0.008 χ^2/NDF: 955.4/27

All: 0.278+/-0.005 χ^2/NDF: 2093.4/57

- 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: -28.149+/-0.110 χ^2/NDF:867.0/11

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

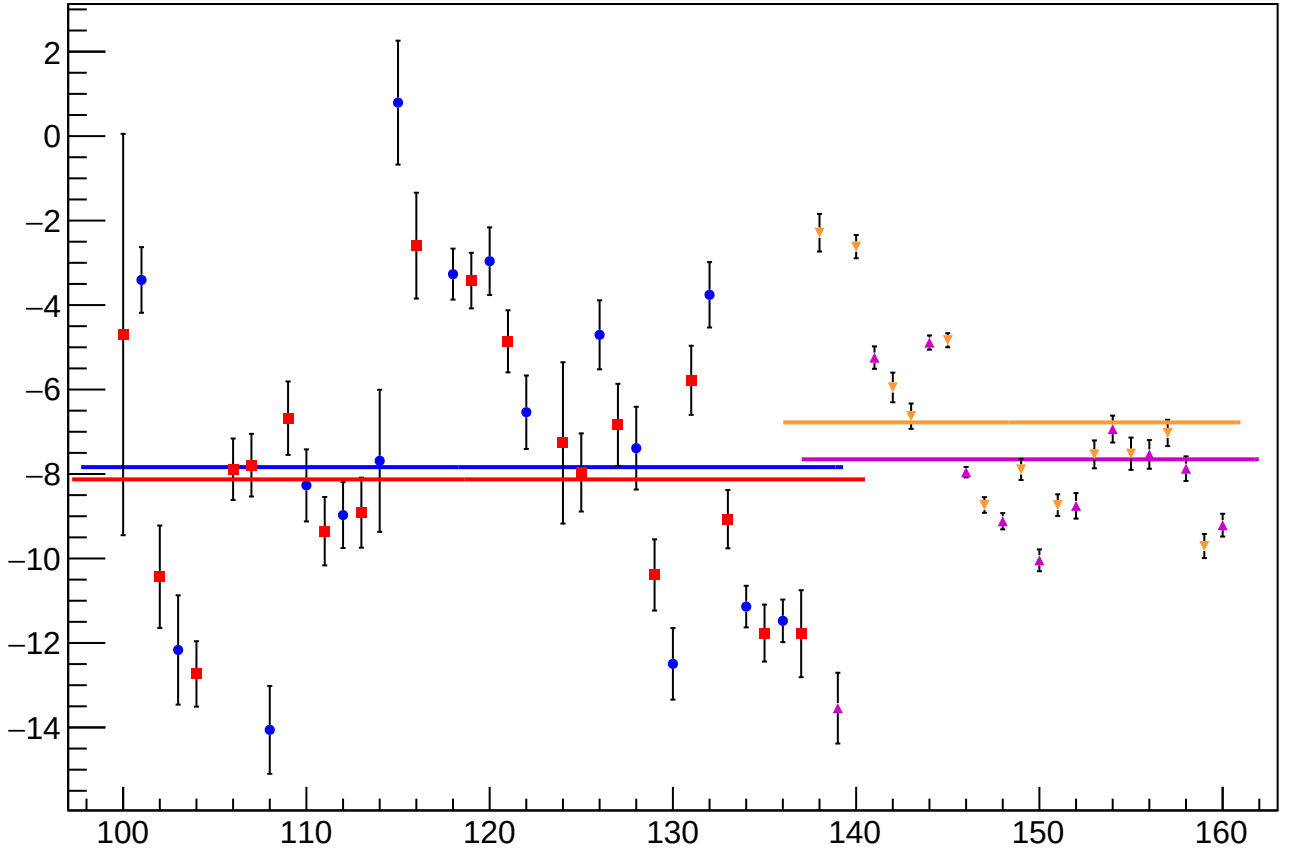
Left In: -26.323+/-0.104 χ^2/NDF:1089.4/10

+ sign -28.292+/-0.095 χ^2/NDF: 1360.7/27

All: -27.632+/-0.065 χ^2/NDF: 3287.9/57

- 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: -6.777+/-0.076 χ^2/NDF:776.1/11

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

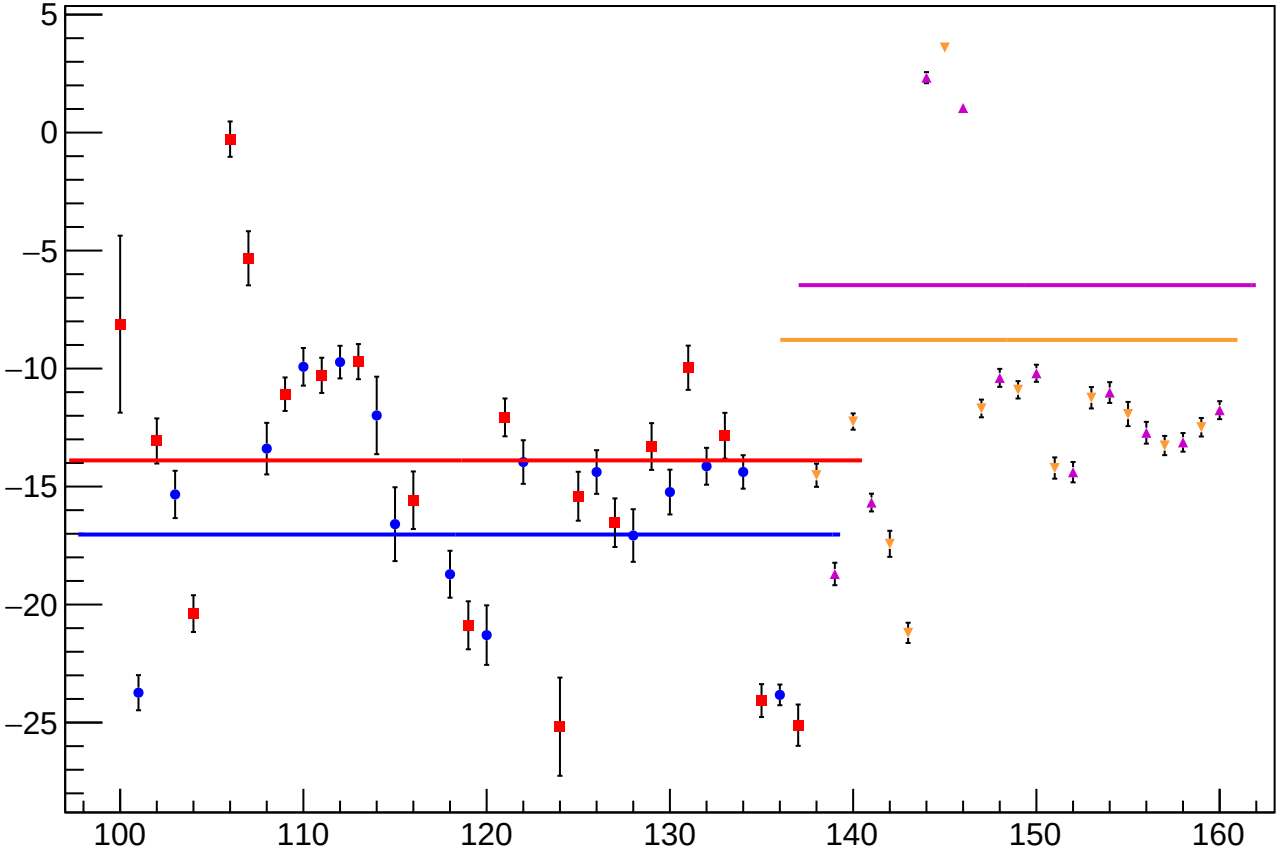
Left In: -7.652+/-0.068 χ^2/NDF:603.5/10

+ sign -6.918+/-0.071 χ^2/NDF: 1185.0/27

All: -7.348+/-0.048 χ^2/NDF: 2058.1/57

- 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: -8.785+/-0.108 χ^2/NDF:5378.4/11

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

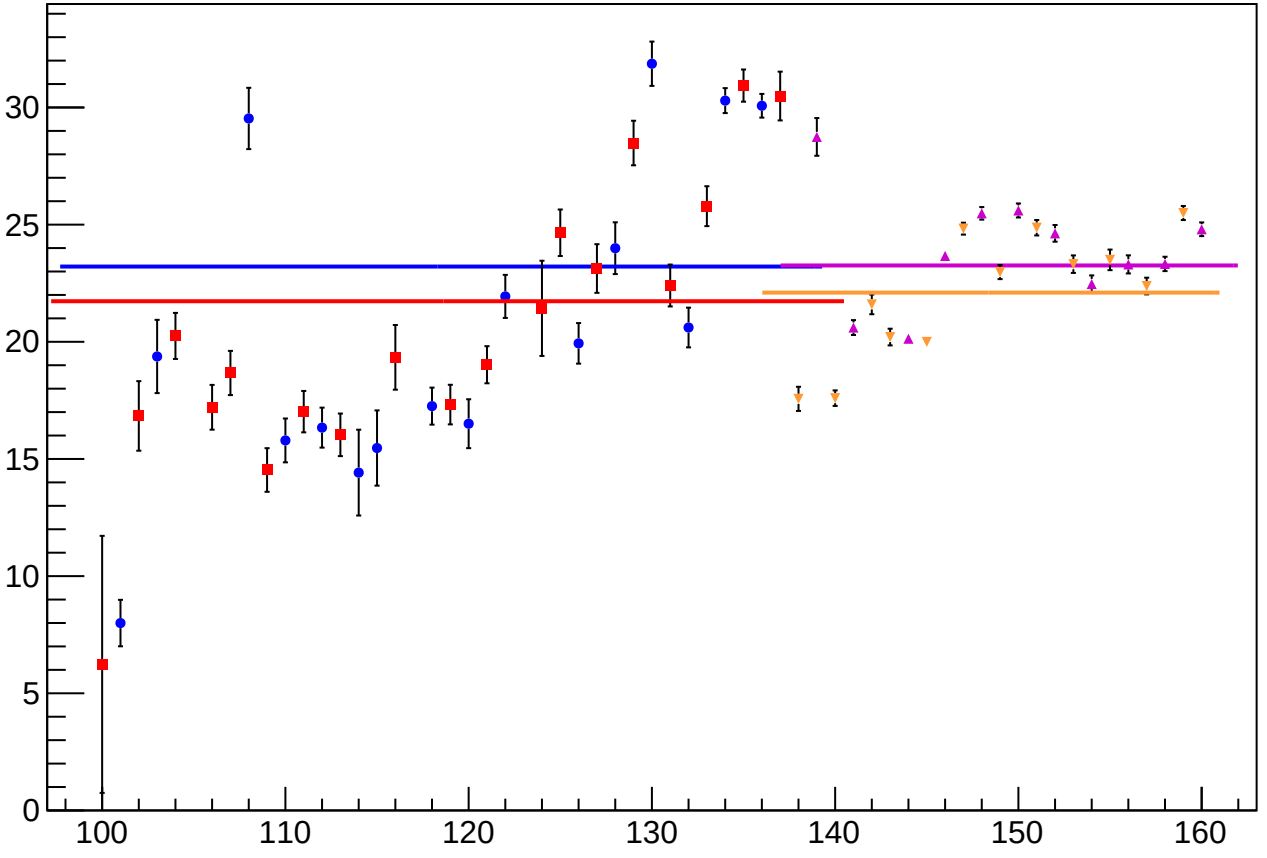
Left In: -6.465+/-0.101 χ^2/NDF:5407.0/10

+ sign -10.531+/-0.096 χ^2/NDF: 7203.0/27

All: -9.124+/-0.066 χ^2/NDF: 15052.0/57

- 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: 22.099+/-0.091 χ^2/NDF:756.0/11

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

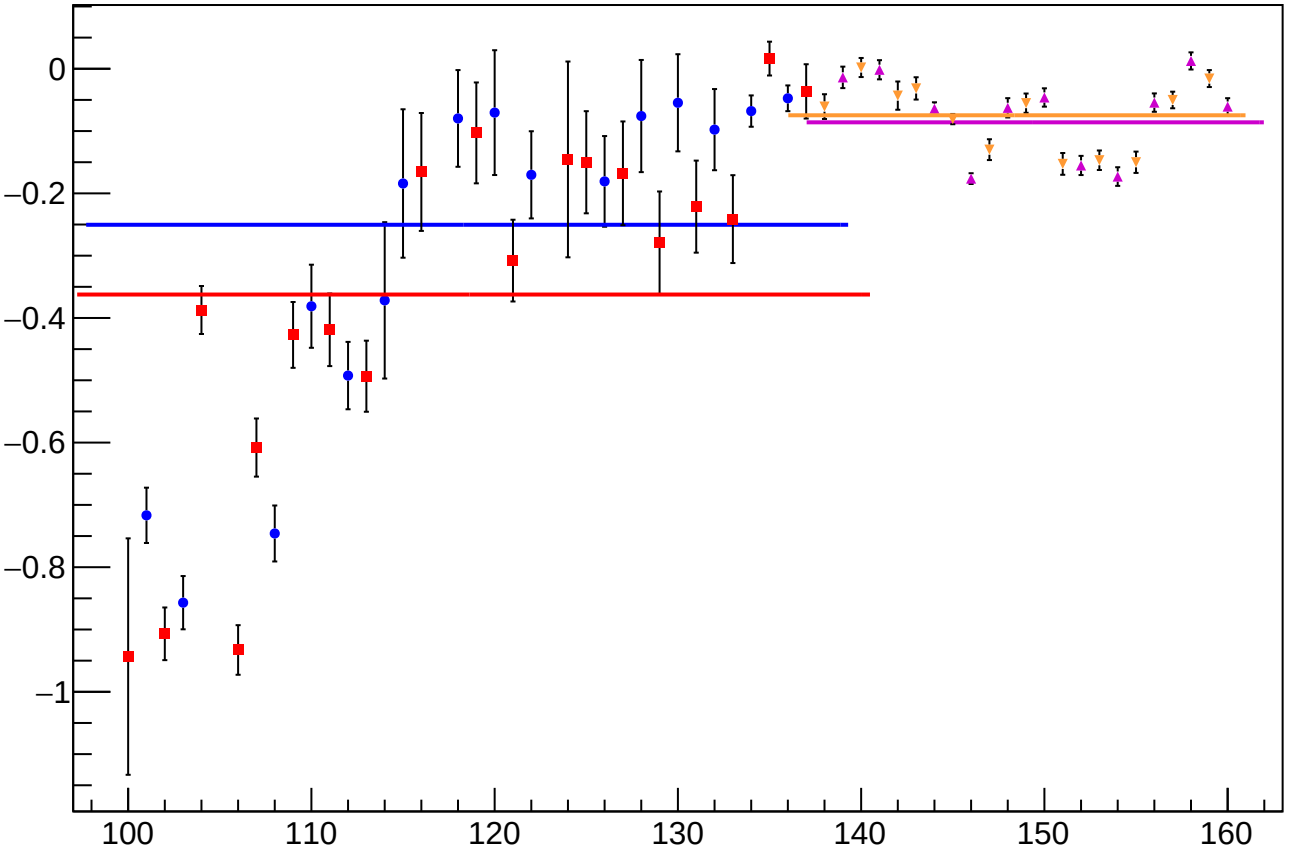
Left In: 23.258+/-0.082 χ^2/NDF:552.1/10

+ sign 22.264+/-0.084 χ^2/NDF: 1786.3/27

All: 22.706+/-0.057 χ^2/NDF: 2988.6/57

- 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: -0.075+/-0.004 χ^2/NDF:129.1/11

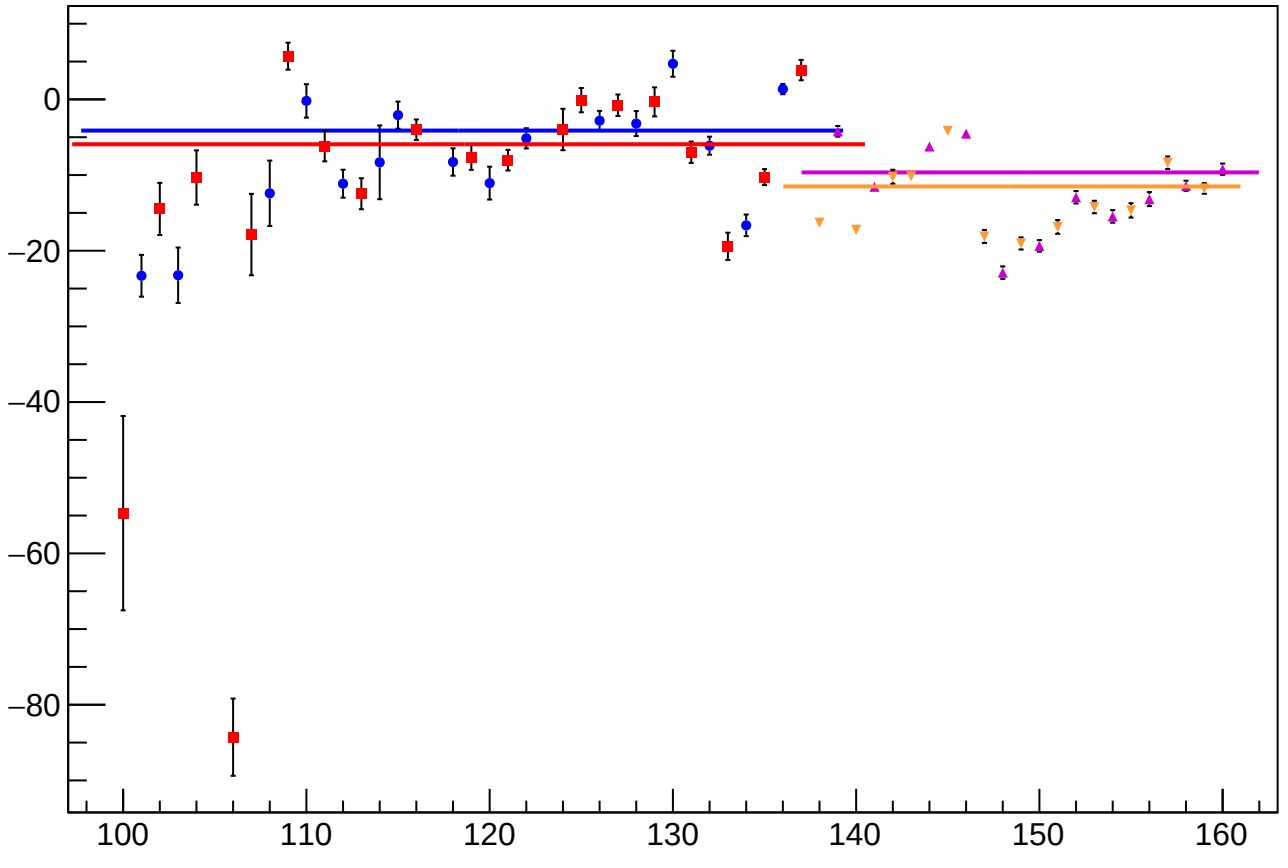
Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.086+/-0.004 χ^2/NDF:284.6/10

+ sign -0.095+/-0.004 χ^2/NDF: 963.5/27

All: -0.104+/-0.003 χ^2/NDF: 2415.9/57

- sign -0.112+/-0.004 χ^2/NDF: 1442.8/29



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.509+/-0.194 χ^2/NDF:784.6/11

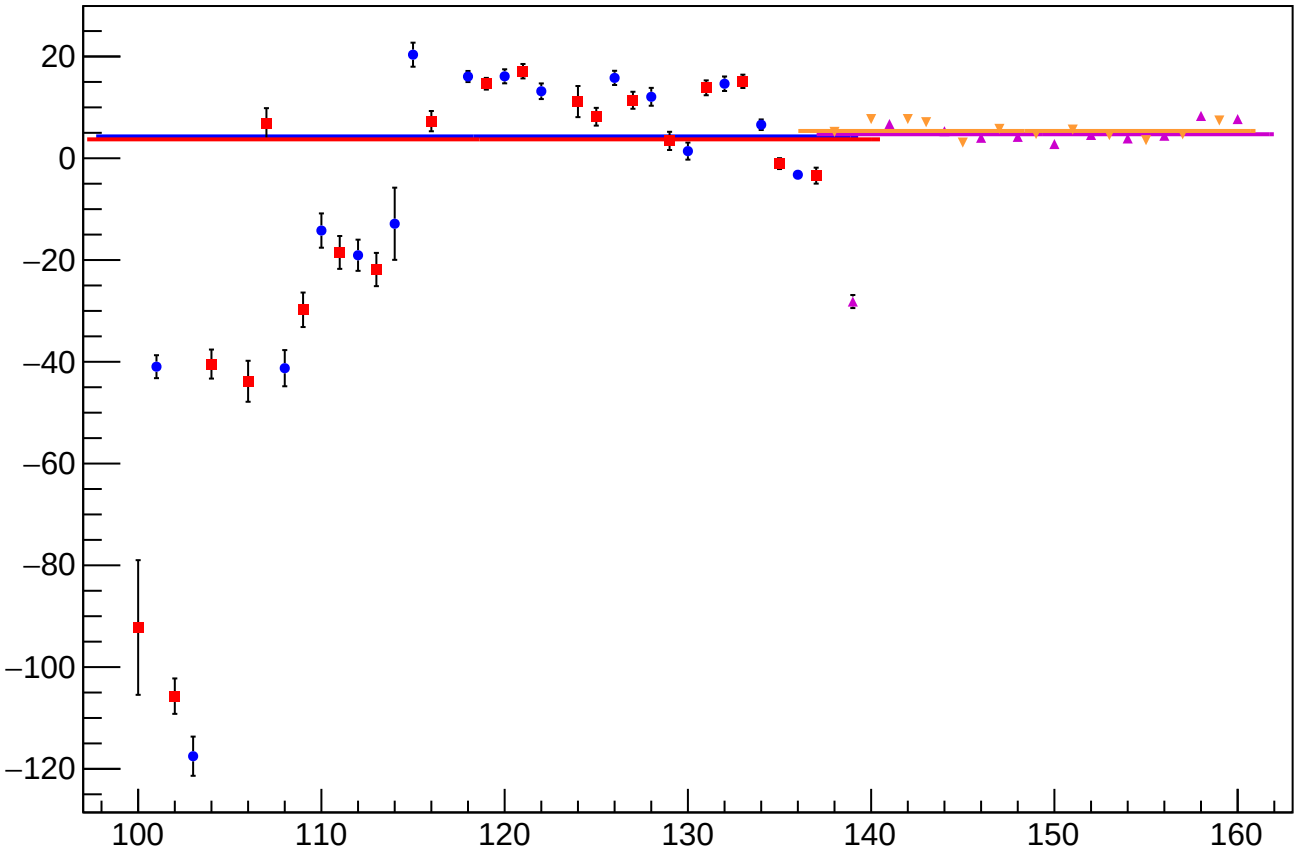
Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -9.651+/-0.190 χ^2/NDF:797.6/10

+ sign -9.988+/-0.173 χ^2/NDF: 1369.6/27

All: -9.484+/-0.122 χ^2/NDF: 2735.1/57

- 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: 5.367+/-0.138 χ^2/NDF:145.3/11

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

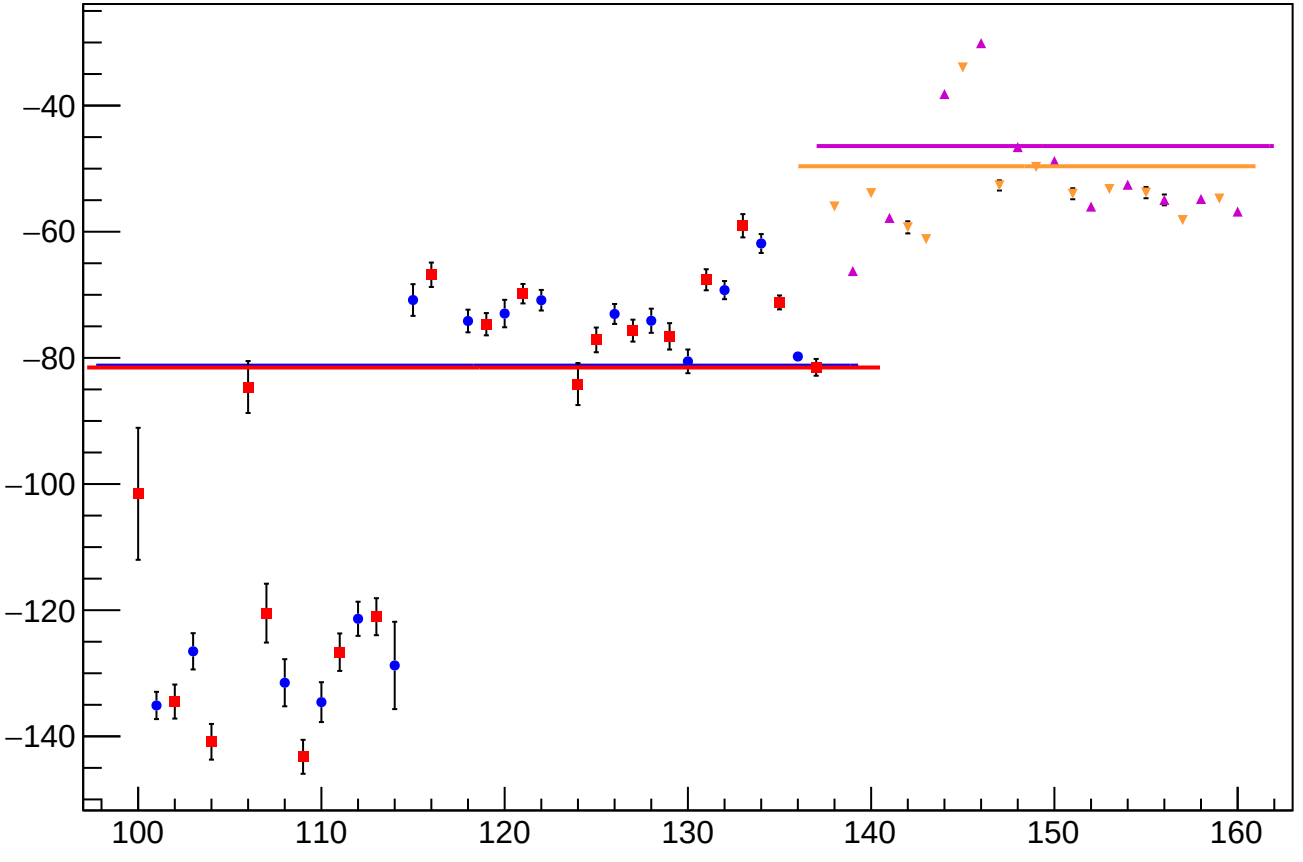
Left In: 4.721+/-0.128 χ^2/NDF:802.3/10

+ sign 5.245+/-0.130 χ^2/NDF: 2321.4/27

All: 4.924+/-0.089 χ^2/NDF: 5147.7/57

- 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: -49.623+/-0.192 χ^2/NDF:2513.6/11

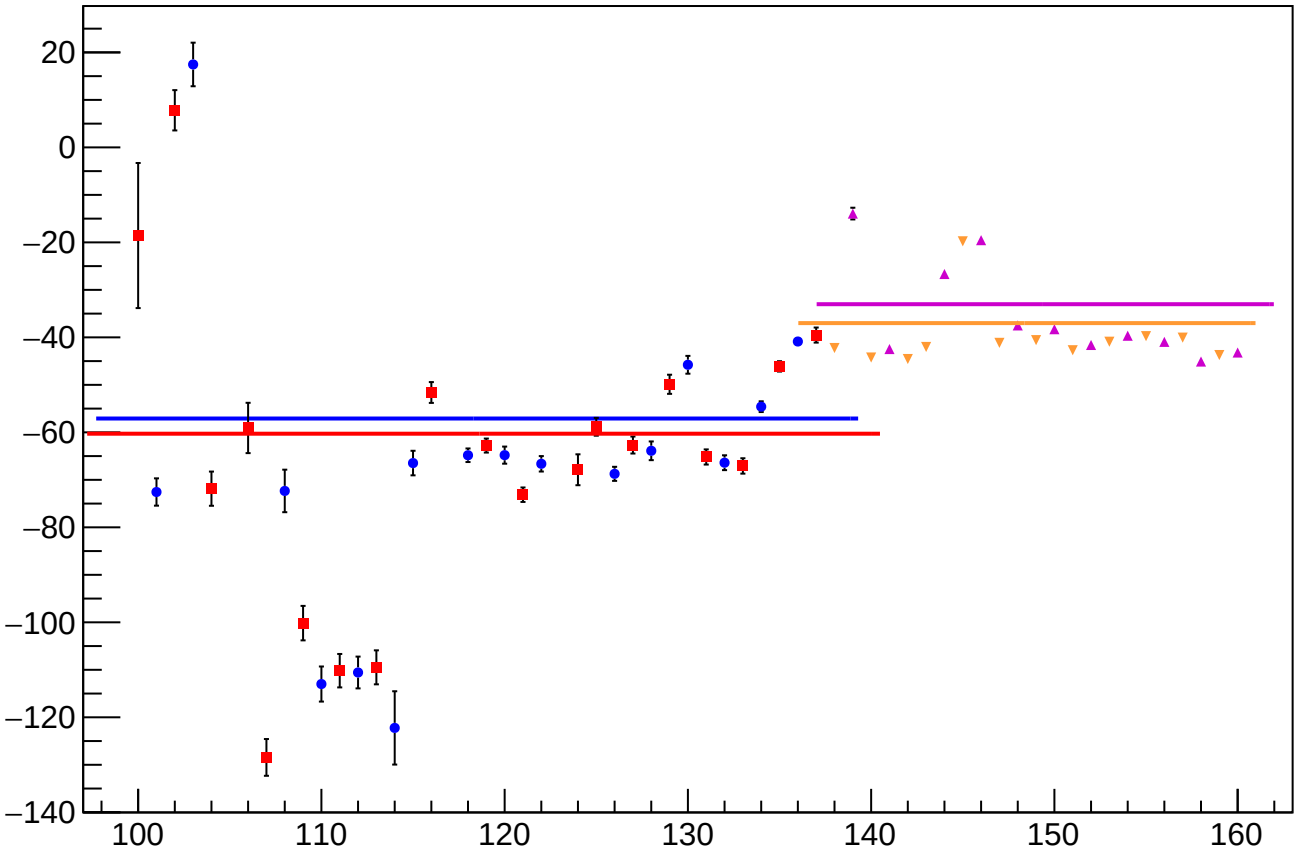
Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -46.420+/-0.185 χ^2/NDF:3851.2/10

+ sign -55.178+/-0.175 χ^2/NDF: 9224.2/27

All: -53.204+/-0.123 χ^2/NDF: 20599.9/57

- 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: -36.999+/-0.163 χ^2/NDF:3399.1/11

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

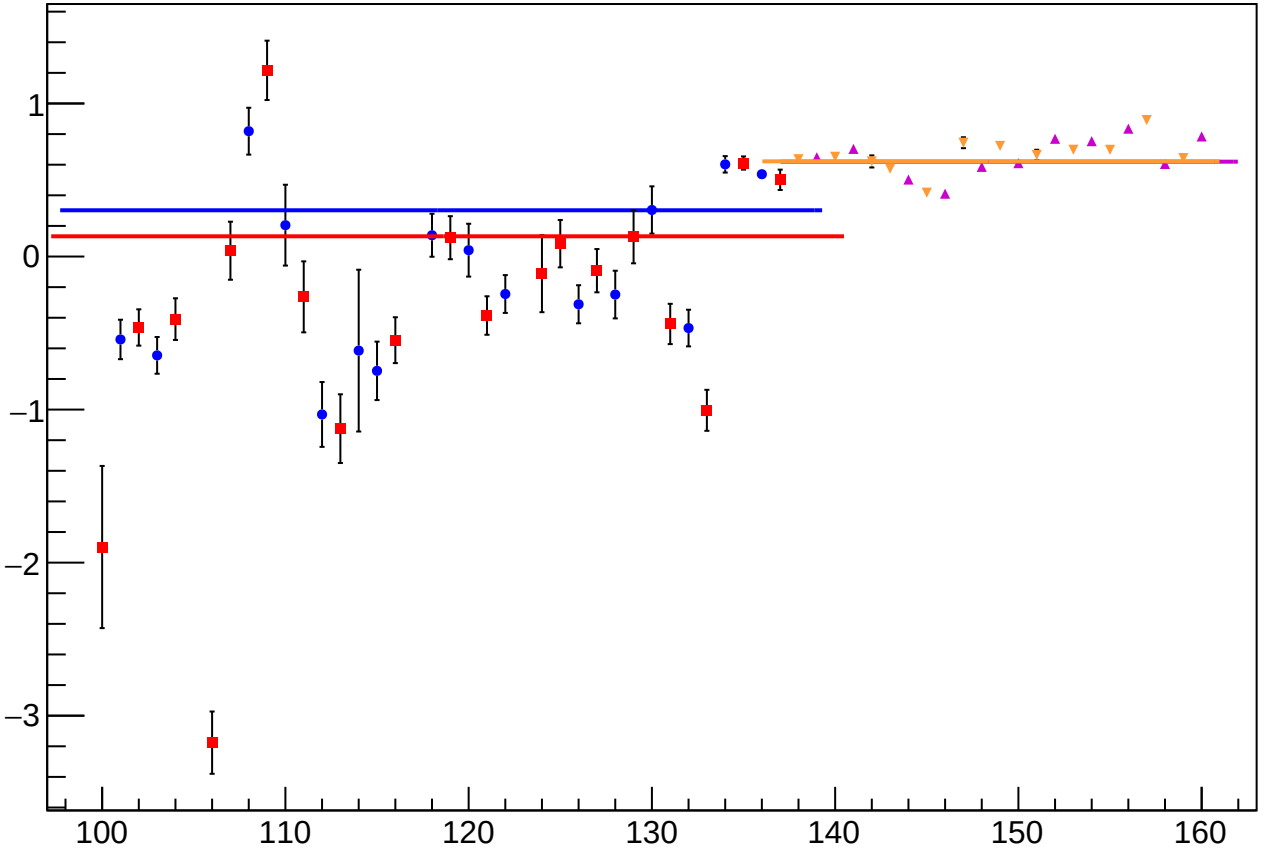
Left In: -33.018+/-0.152 χ^2/NDF:4301.2/10

+ sign -39.563+/-0.152 χ^2/NDF: 6868.6/27

All: -37.493+/-0.105 χ^2/NDF: 16157.0/57

- 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: 0.622+/-0.007 χ^2/NDF:347.1/11

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

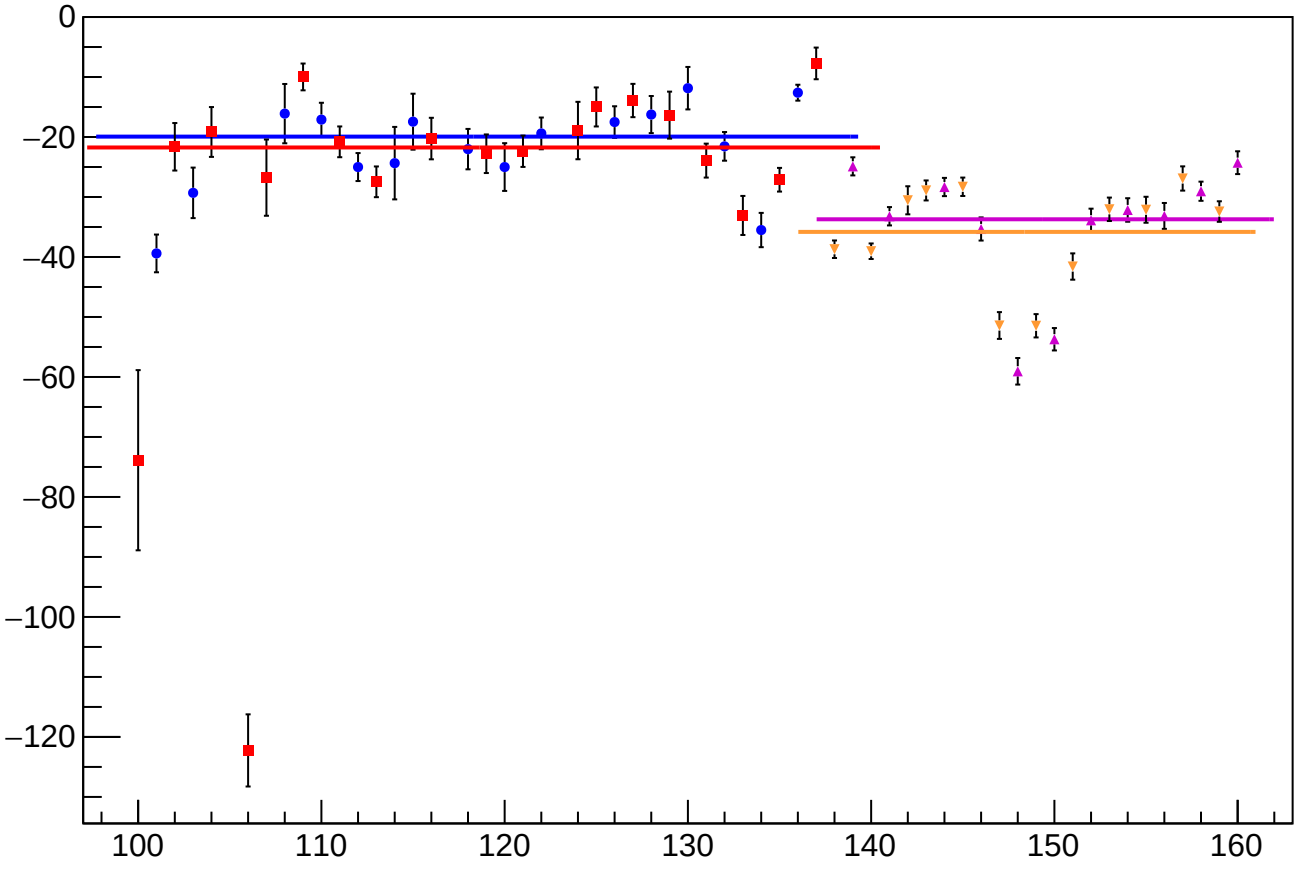
Left In: 0.620+/-0.007 χ^2/NDF:362.2/10

+ sign 0.591+/-0.007 χ^2/NDF: 897.4/27

All: 0.589+/-0.005 χ^2/NDF: 2247.4/57

- 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: -35.816+/-0.515 χ^2/NDF:207.0/11

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

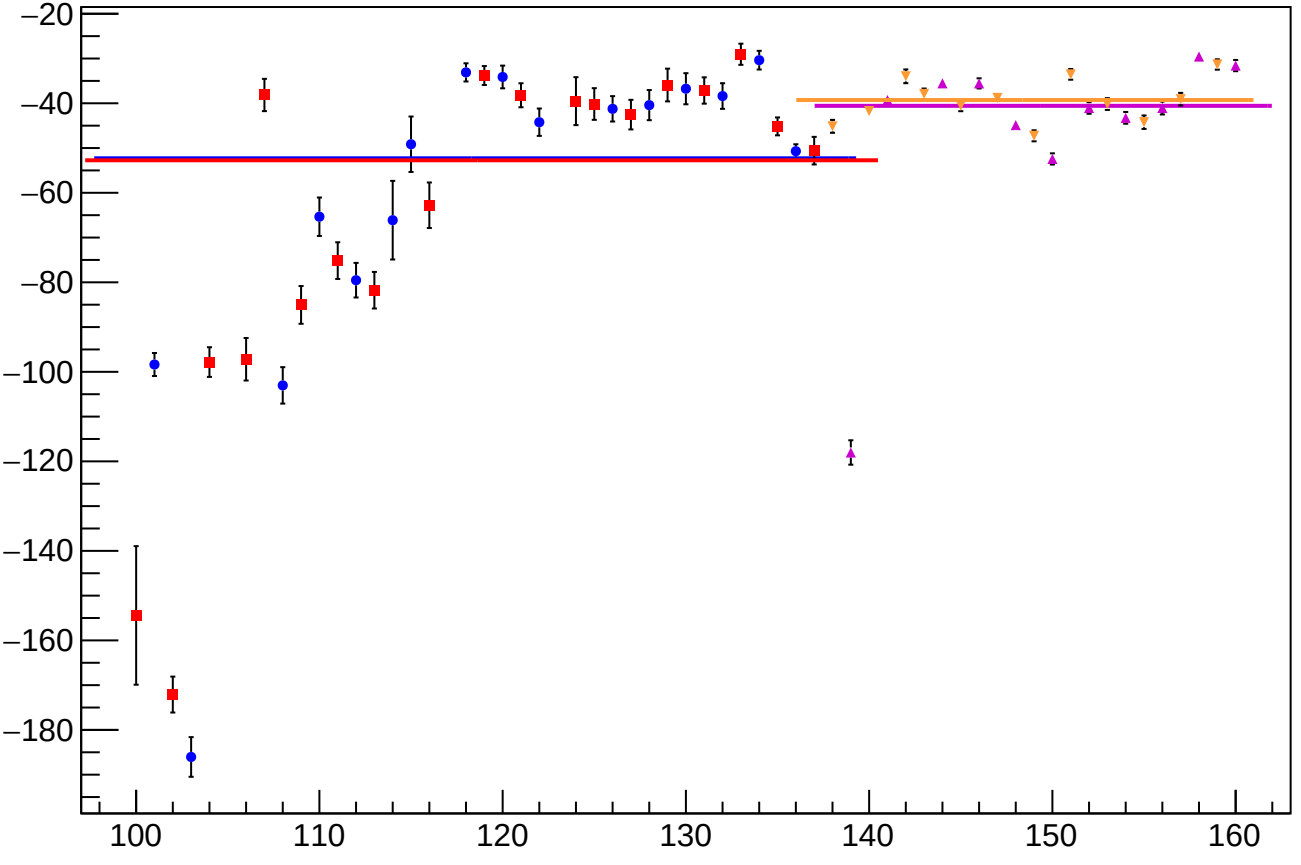
Left In: -33.715+/-0.537 χ^2/NDF:327.2/10

+ sign -30.182+/-0.414 χ^2/NDF: 664.7/27

All: -29.800+/-0.298 χ^2/NDF: 1561.6/57

- 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: -39.276+/-0.362 χ^2/NDF:159.1/11

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

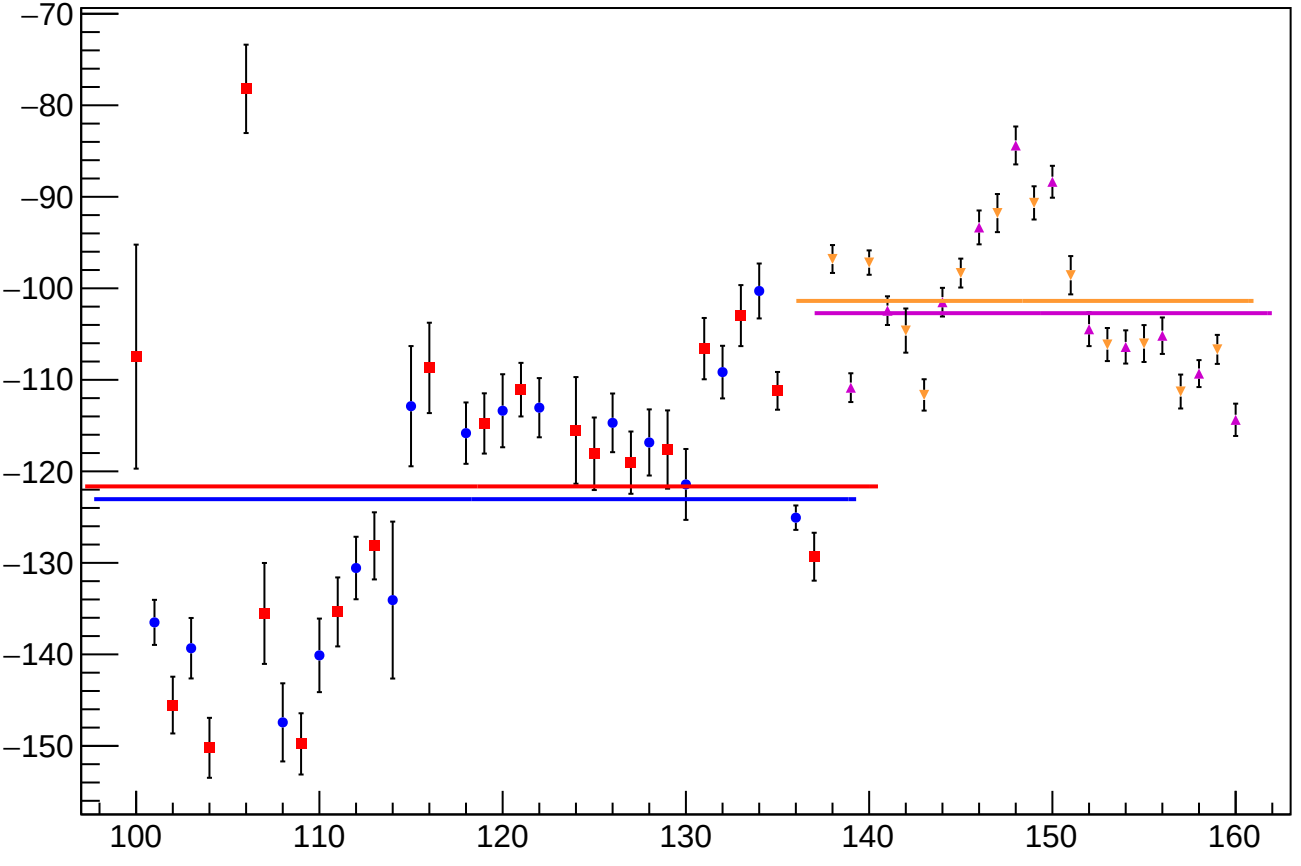
Left In: -40.568+/-0.374 χ^2/NDF:1112.7/10

+ sign -41.972+/-0.322 χ^2/NDF: 2205.4/27

All: -42.466+/-0.232 χ^2/NDF: 5197.2/57

- 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: -101.375+/-0.506 χ^2/NDF:170.2/11

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

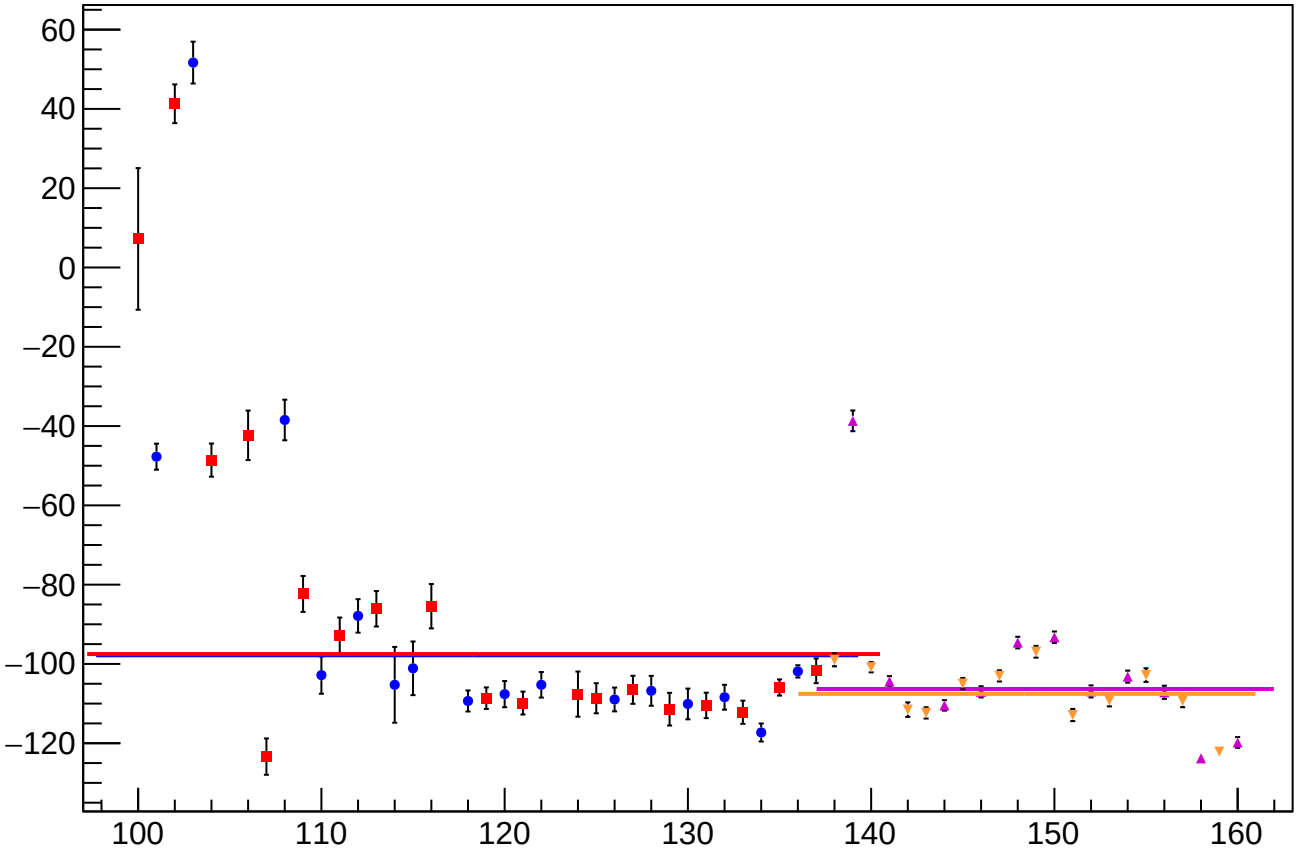
Left In: -102.715+/-0.520 χ^2/NDF:269.3/10

+ sign -108.145+/-0.419 χ^2/NDF: 970.7/27

All: -108.229+/-0.302 χ^2/NDF: 2057.5/57

- 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: -107.553+/-0.428 χ^2/NDF:300.2/11

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

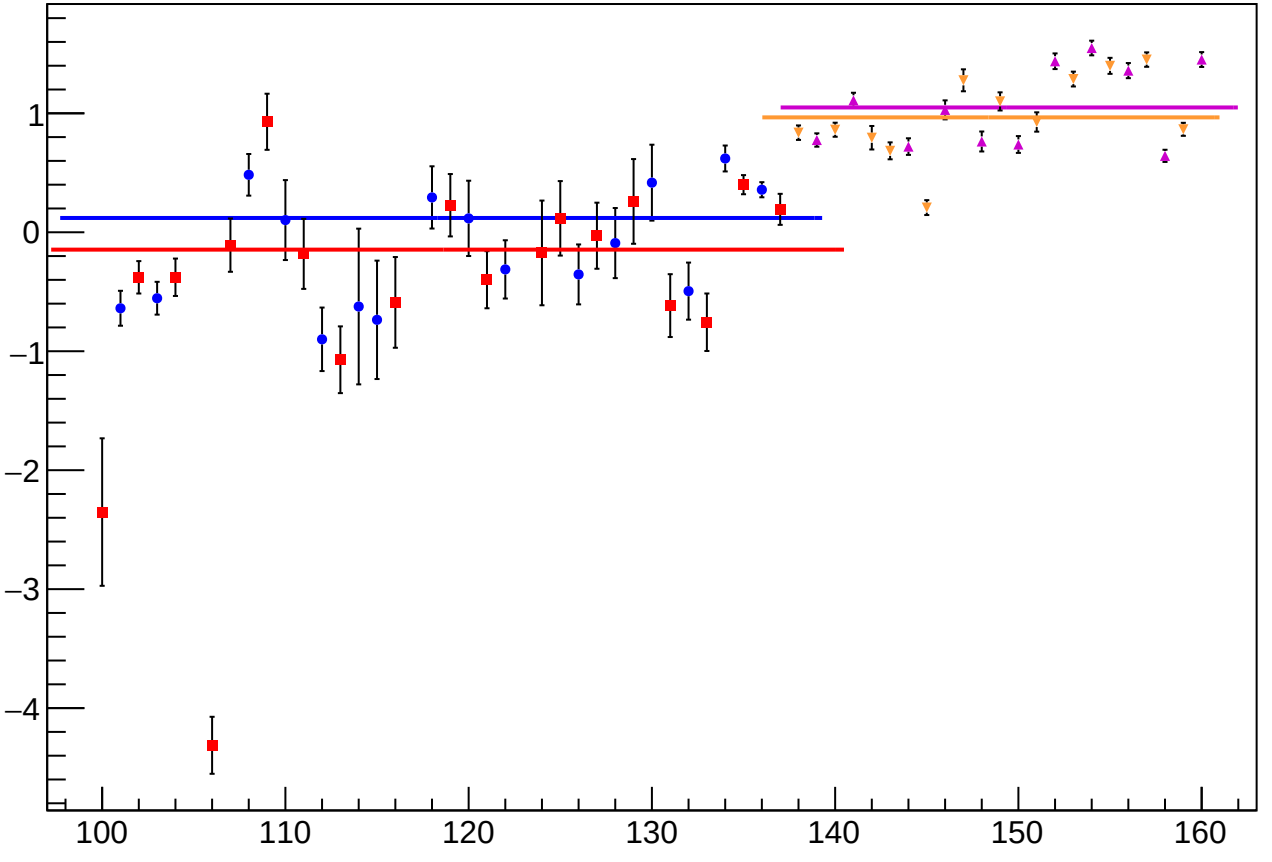
Left In: -106.308+/-0.436 χ^2/NDF:1163.7/10

+ sign -105.354+/-0.377 χ^2/NDF: 1747.8/27

All: -104.914+/-0.270 χ^2/NDF: 4236.8/57

- 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: 0.966+/-0.019 χ^2/NDF:323.3/11

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

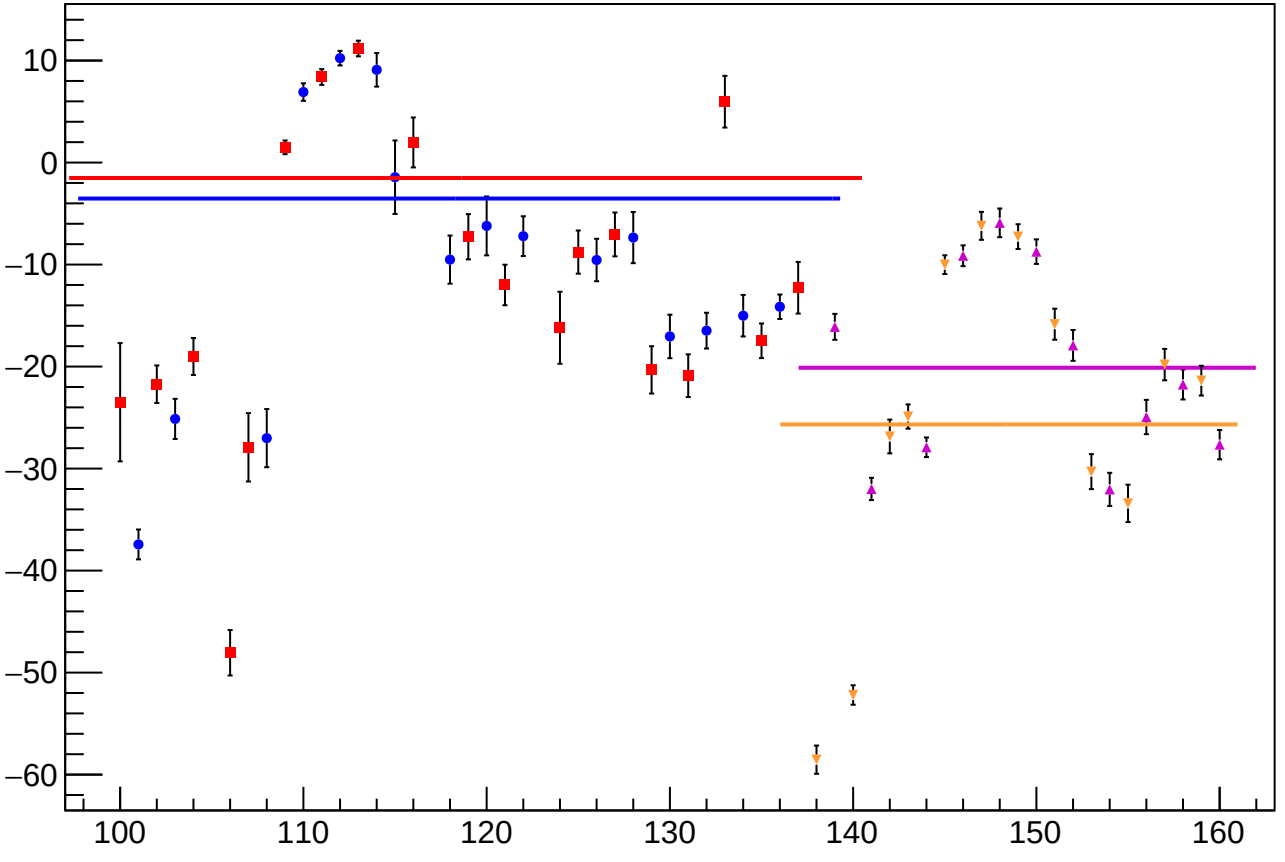
Left In: 1.049+/-0.019 χ^2/NDF:306.7/10

+ sign 0.811+/-0.018 χ^2/NDF: 791.1/27

All: 0.835+/-0.013 χ^2/NDF: 2119.4/57

- 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: -25.670+/-0.377 χ^2/NDF:2149.4/11

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

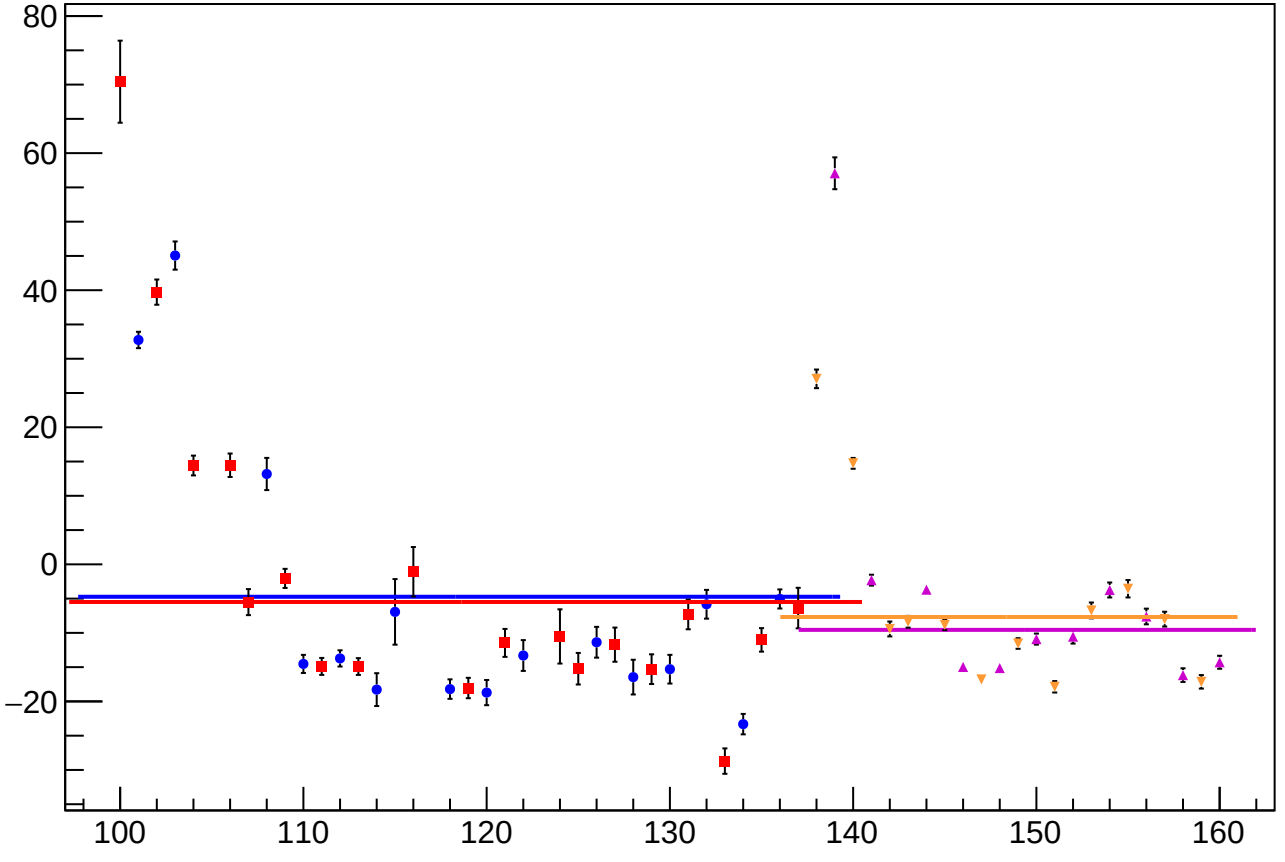
Left In: -20.114+/-0.383 χ^2/NDF:594.5/10

+ sign -14.599+/-0.266 χ^2/NDF: 5405.6/27

All: -12.012+/-0.184 χ^2/NDF: 9028.5/57

- 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: -7.683+/-0.259 χ^2/NDF:1947.2/11

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

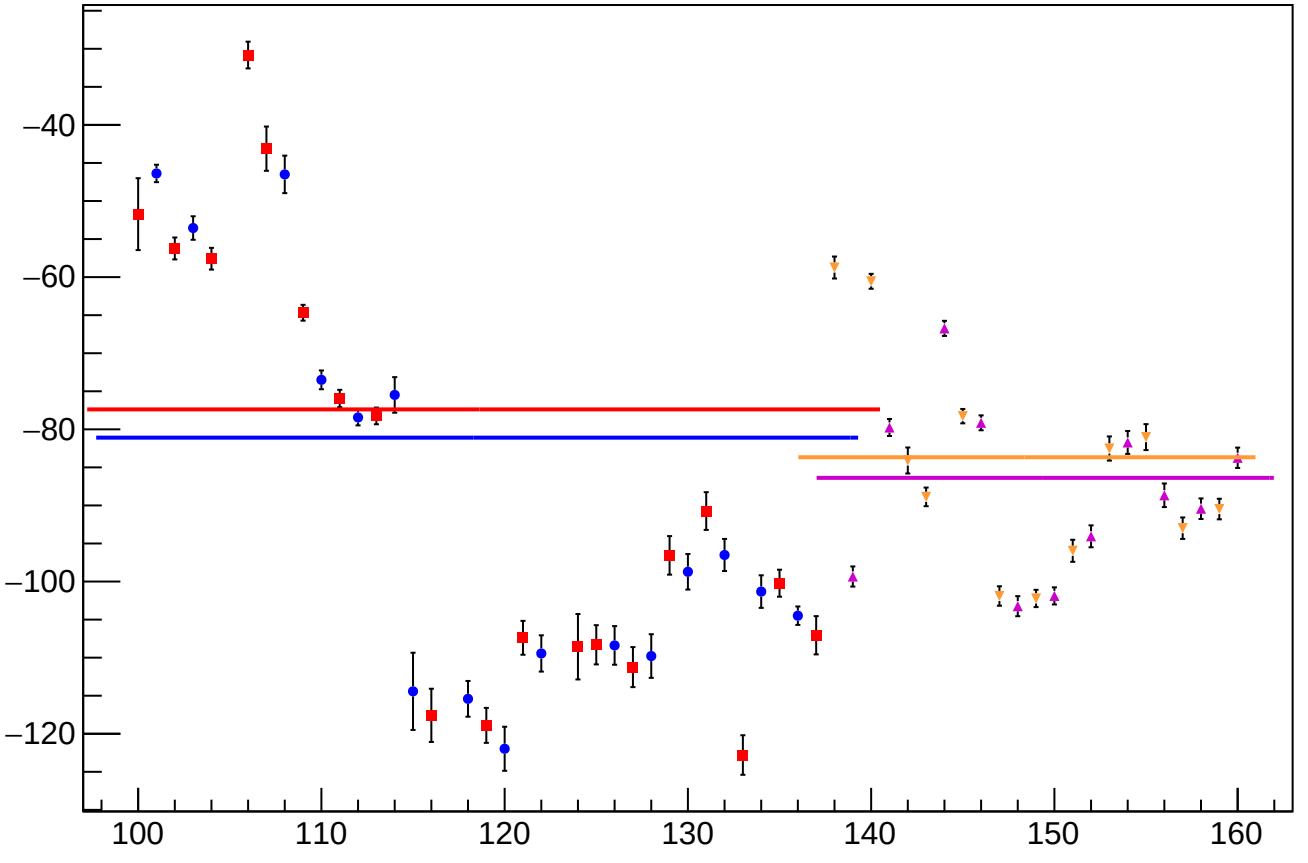
Left In: -9.561+/-0.259 χ^2/NDF:1223.5/10

+ sign -6.898+/-0.222 χ^2/NDF: 4129.7/27

All: -7.676+/-0.157 χ^2/NDF: 6953.6/57

- 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: -83.670+/-0.370 χ^2/NDF:1518.4/11

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

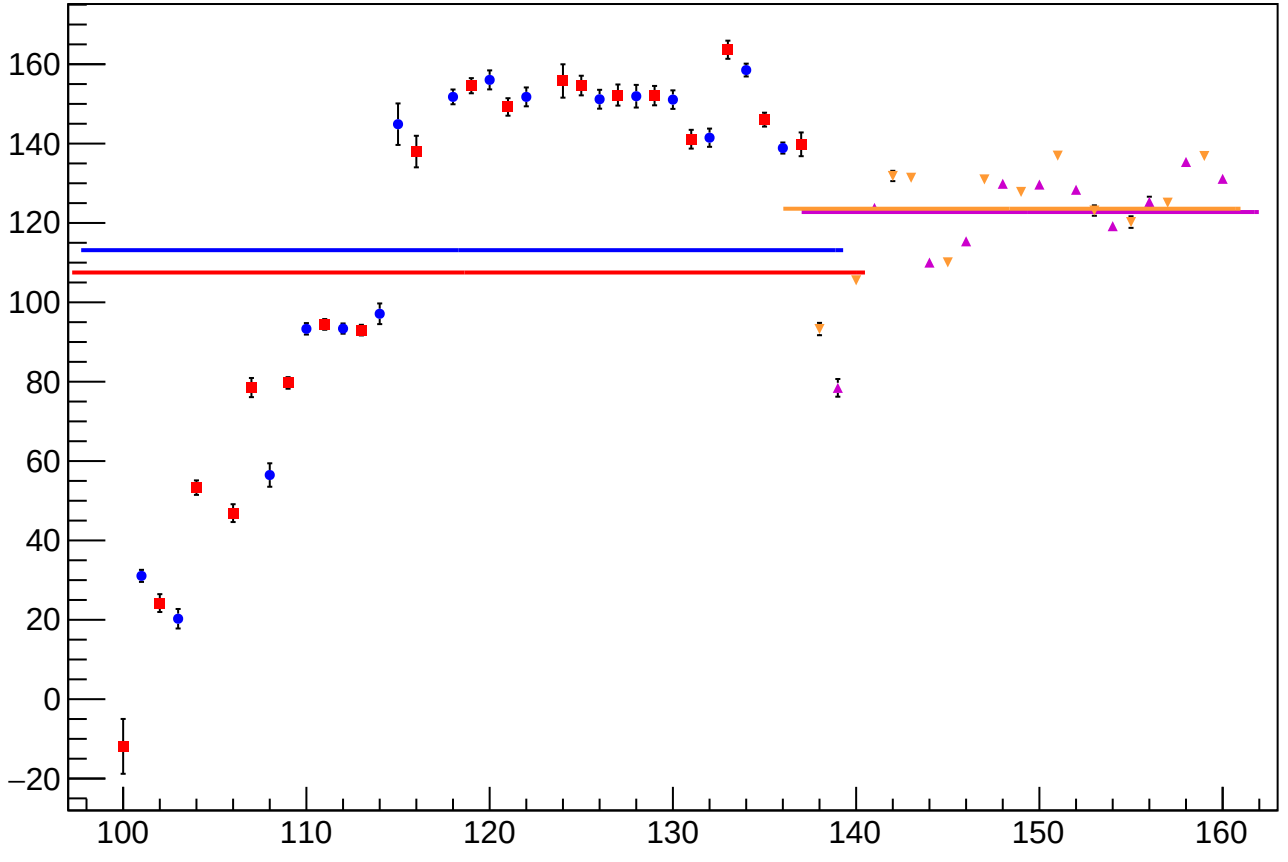
Left In: -86.375+/-0.372 χ^2/NDF:983.5/10

+ sign -82.597+/-0.283 χ^2/NDF: 4408.9/27

All: -82.491+/-0.198 χ^2/NDF: 8781.7/57

- 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: 123.588+/-0.310 χ^2/NDF:1499.5/11

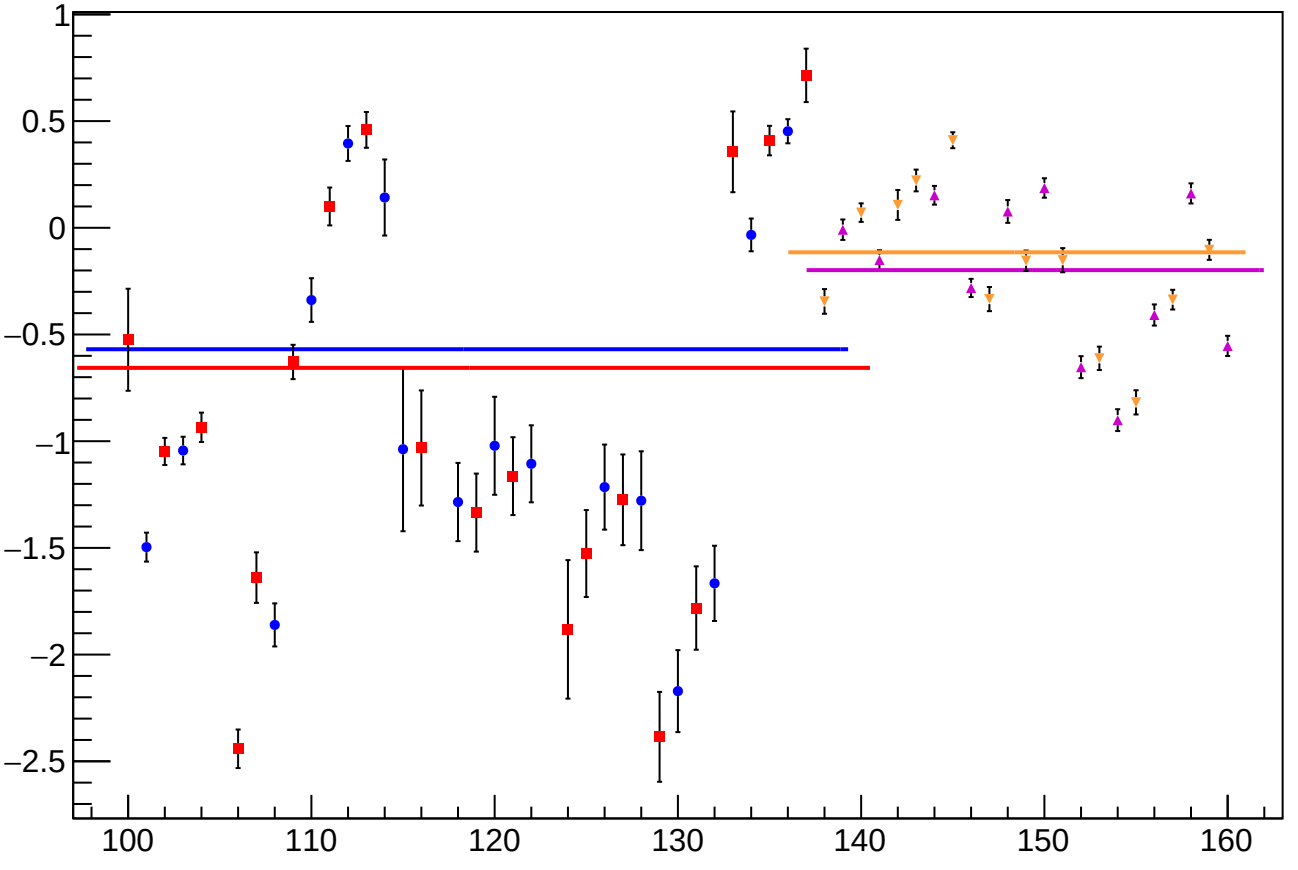
Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 122.753+/-0.308 χ^2/NDF:1080.7/10

+ sign 120.589+/-0.262 χ^2/NDF: 10028.8/27

All: 119.434+/-0.184 χ^2/NDF: 19407.5/57

- sign 118.305+/-0.259 χ^2/NDF: 9340.3/29



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.115+/-0.014 χ^2/NDF:560.3/11

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

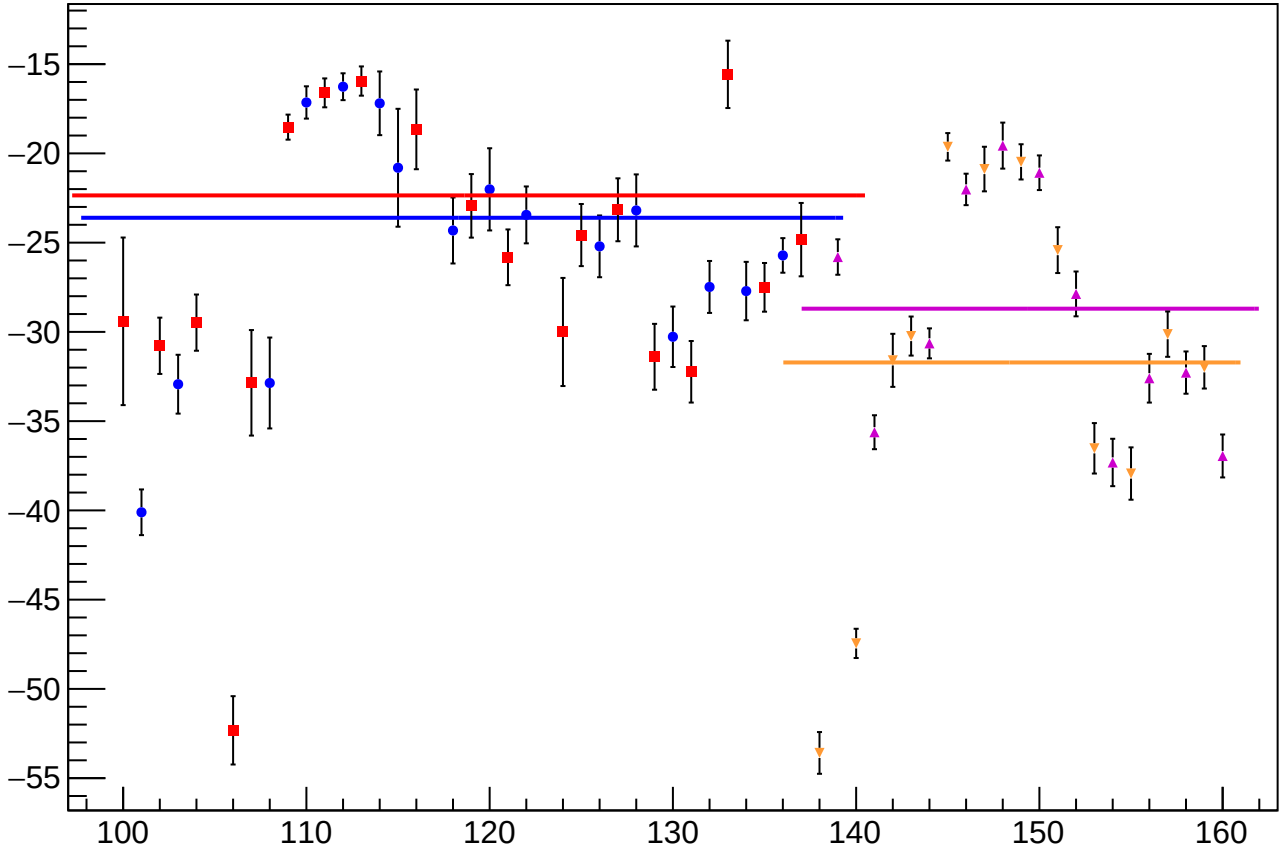
Left In: -0.198+/-0.014 χ^2/NDF:581.9/10

+ sign -0.224+/-0.013 χ^2/NDF: 1893.6/27

All: -0.267+/-0.009 χ^2/NDF: 4064.0/57

- 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: -31.712+/-0.320 χ^2/NDF:1226.9/11

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

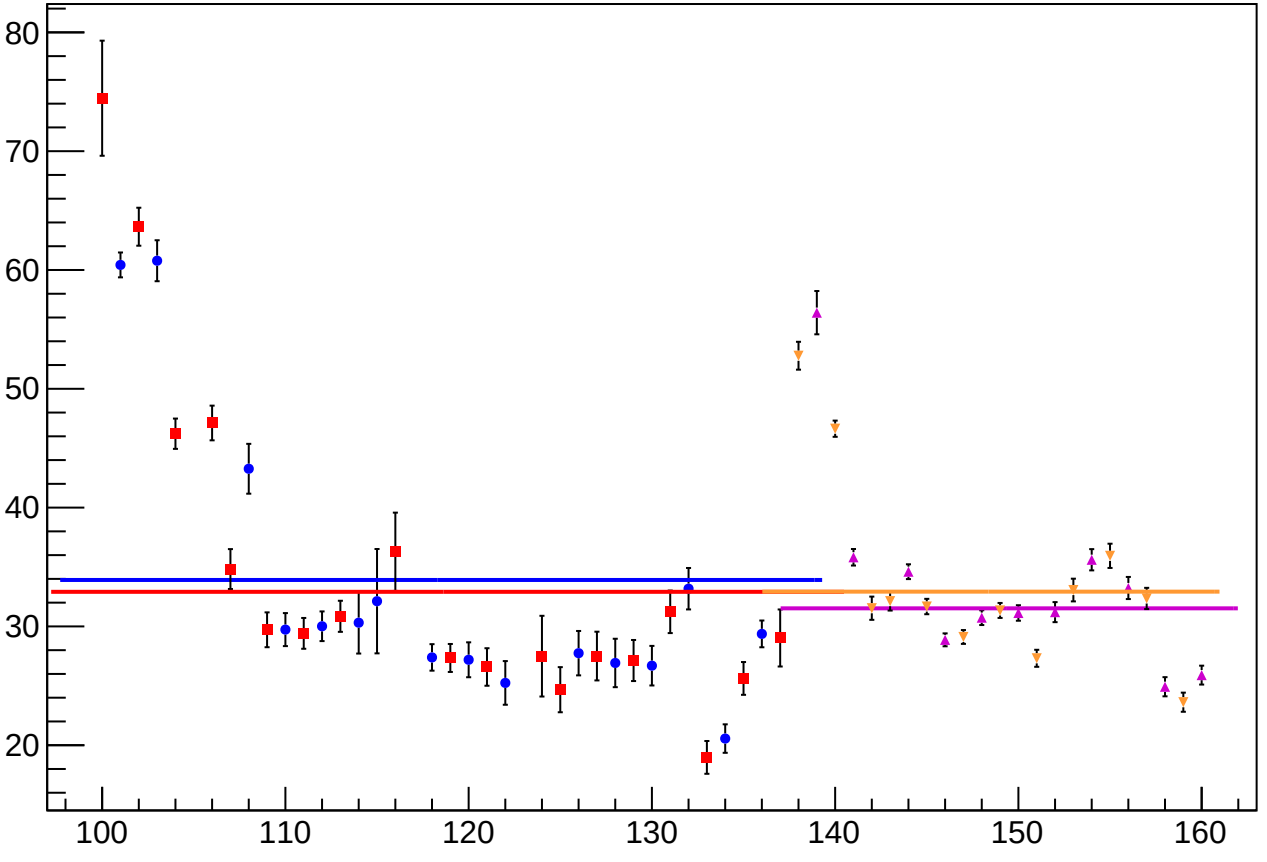
Left In: -28.700+/-0.322 χ^2/NDF:343.0/10

+ sign -28.002+/-0.236 χ^2/NDF: 1927.0/27

All: -26.720+/-0.164 χ^2/NDF: 3073.2/57

- 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: 32.926+/-0.223 χ^2/NDF:950.6/11

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

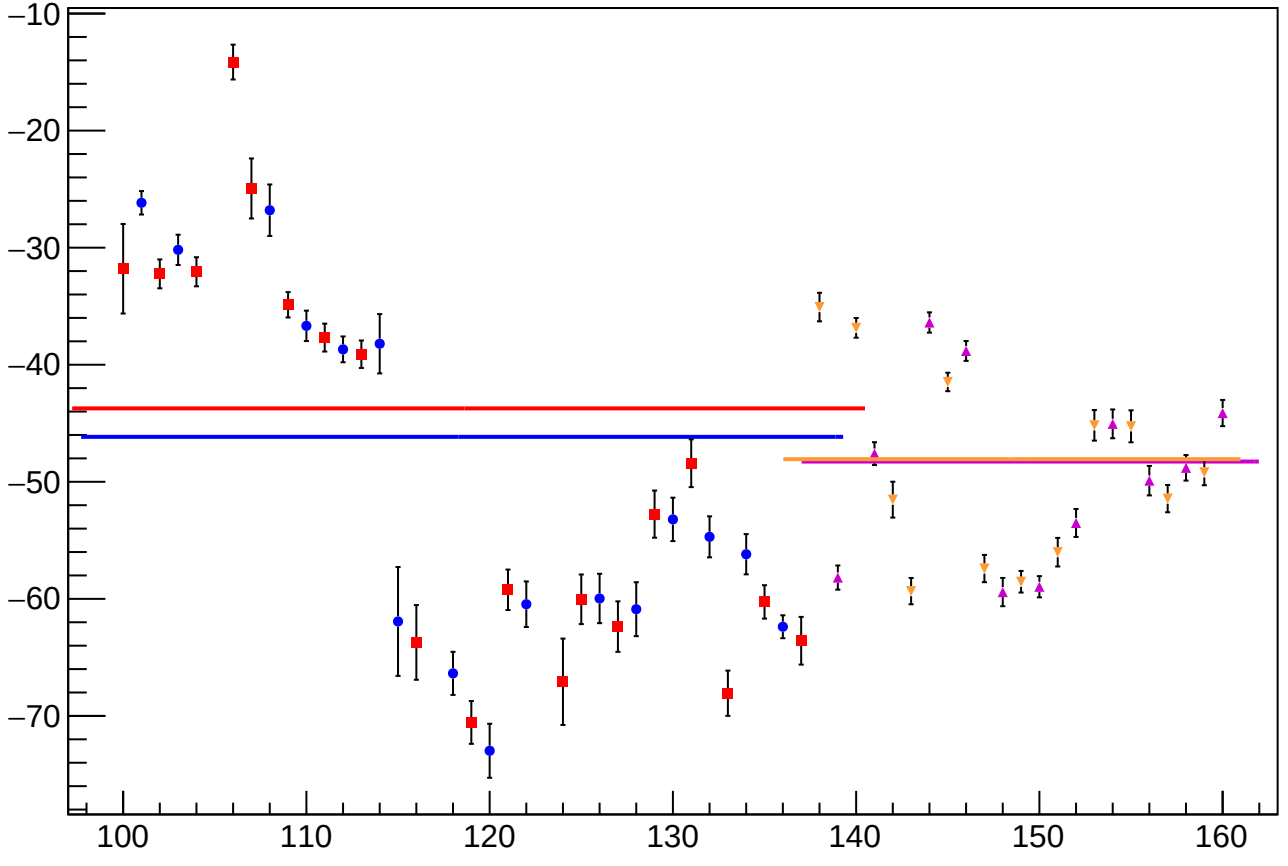
Left In: 31.521+/-0.222 χ^2/NDF:416.4/10

+ sign 33.182+/-0.192 χ^2/NDF: 2140.1/27

All: 32.533+/-0.135 χ^2/NDF: 3464.6/57

- 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: -48.068+/-0.314 χ^2/NDF:720.0/11

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

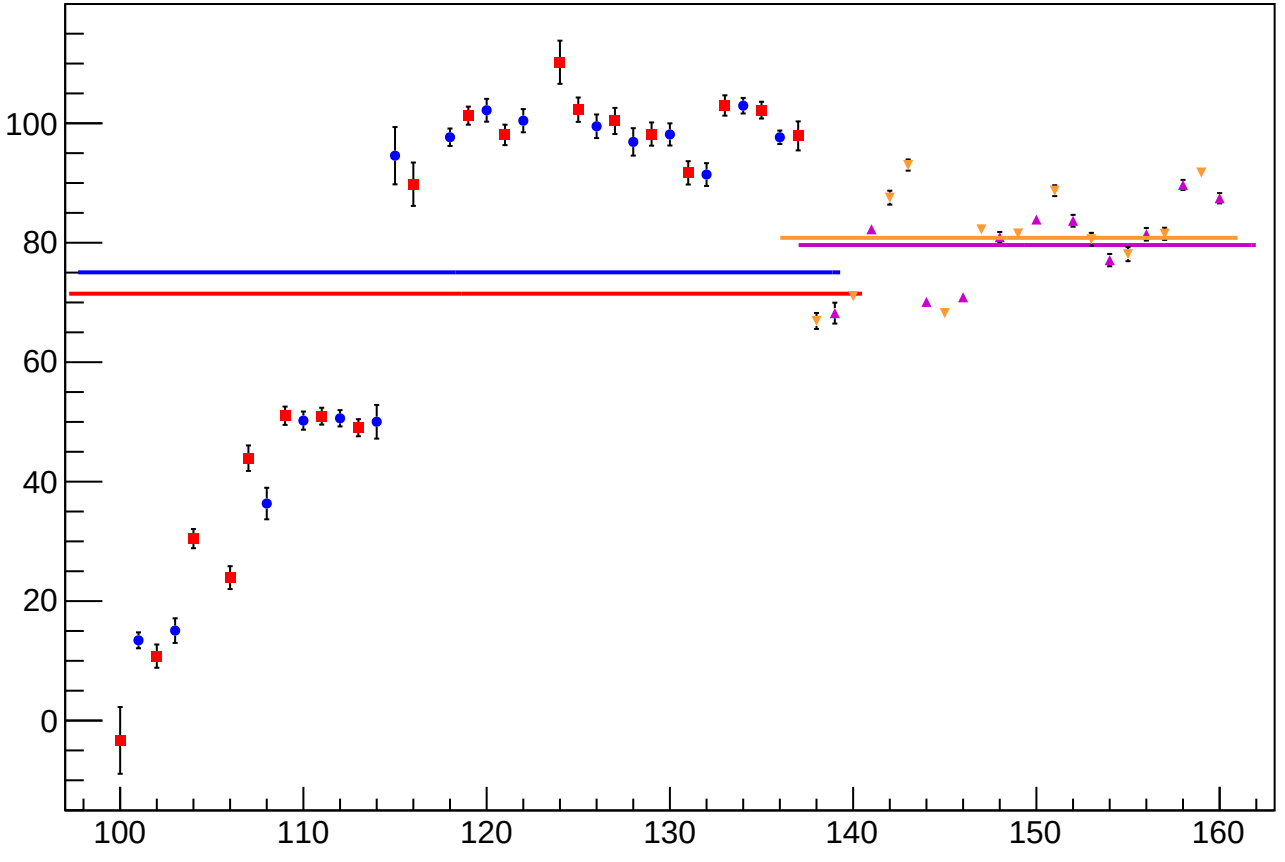
Left In: -48.271+/-0.312 χ^2/NDF:671.0/10

+ sign -47.318+/-0.244 χ^2/NDF: 2224.2/27

All: -46.868+/-0.172 χ^2/NDF: 4650.8/57

- 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: 80.820+/-0.265 χ^2/NDF:998.2/11

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

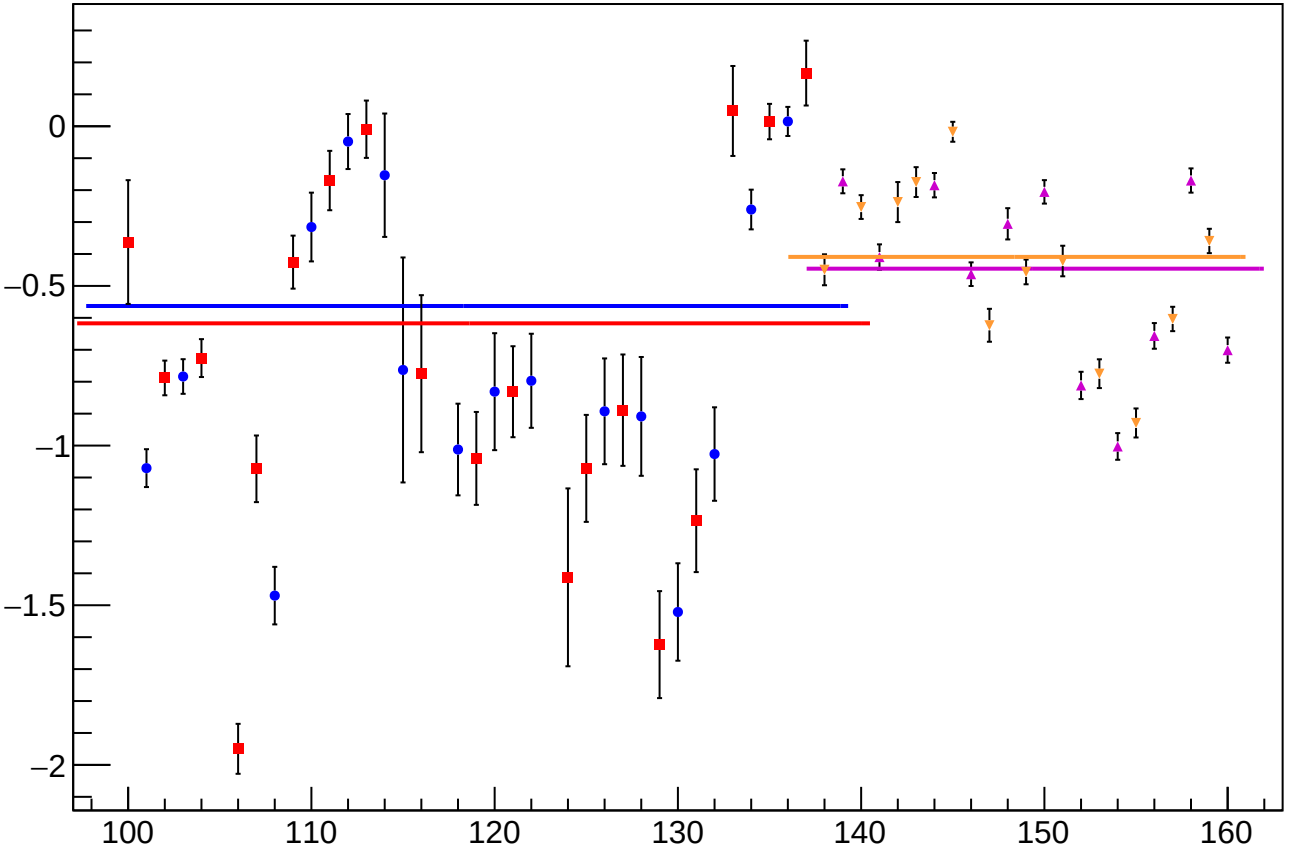
Left In: 79.613+/-0.262 χ^2/NDF:677.7/10

+ sign 79.216+/-0.225 χ^2/NDF: 6958.5/27

All: 78.289+/-0.158 χ^2/NDF: 13563.8/57

- 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: -0.409+/-0.012 χ^2/NDF:451.9/11

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

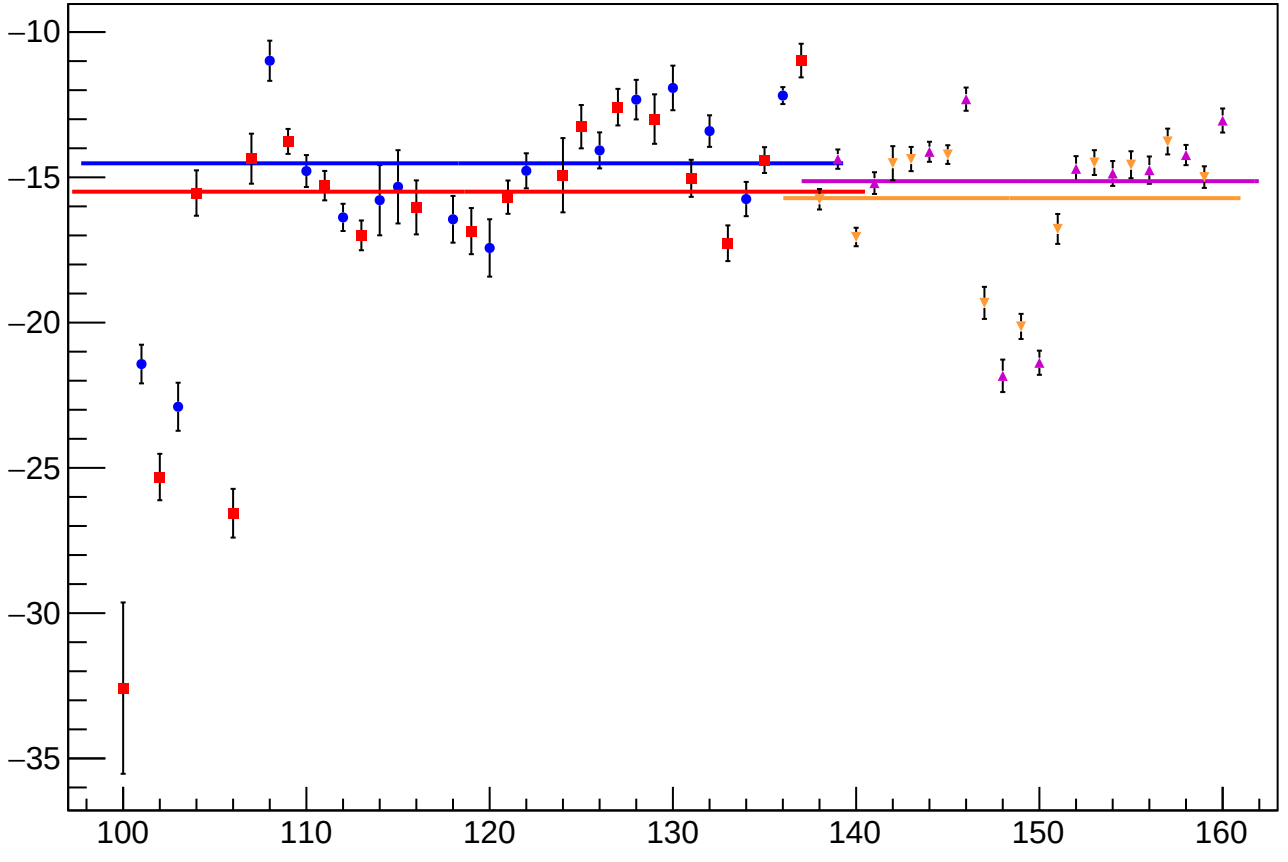
Left In: -0.446+/-0.012 χ^2/NDF:525.2/10

+ sign -0.445+/-0.011 χ^2/NDF: 981.7/27

All: -0.465+/-0.008 χ^2/NDF: 2250.1/57

- 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: -15.716+/-0.119 χ^2/NDF:242.2/11

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

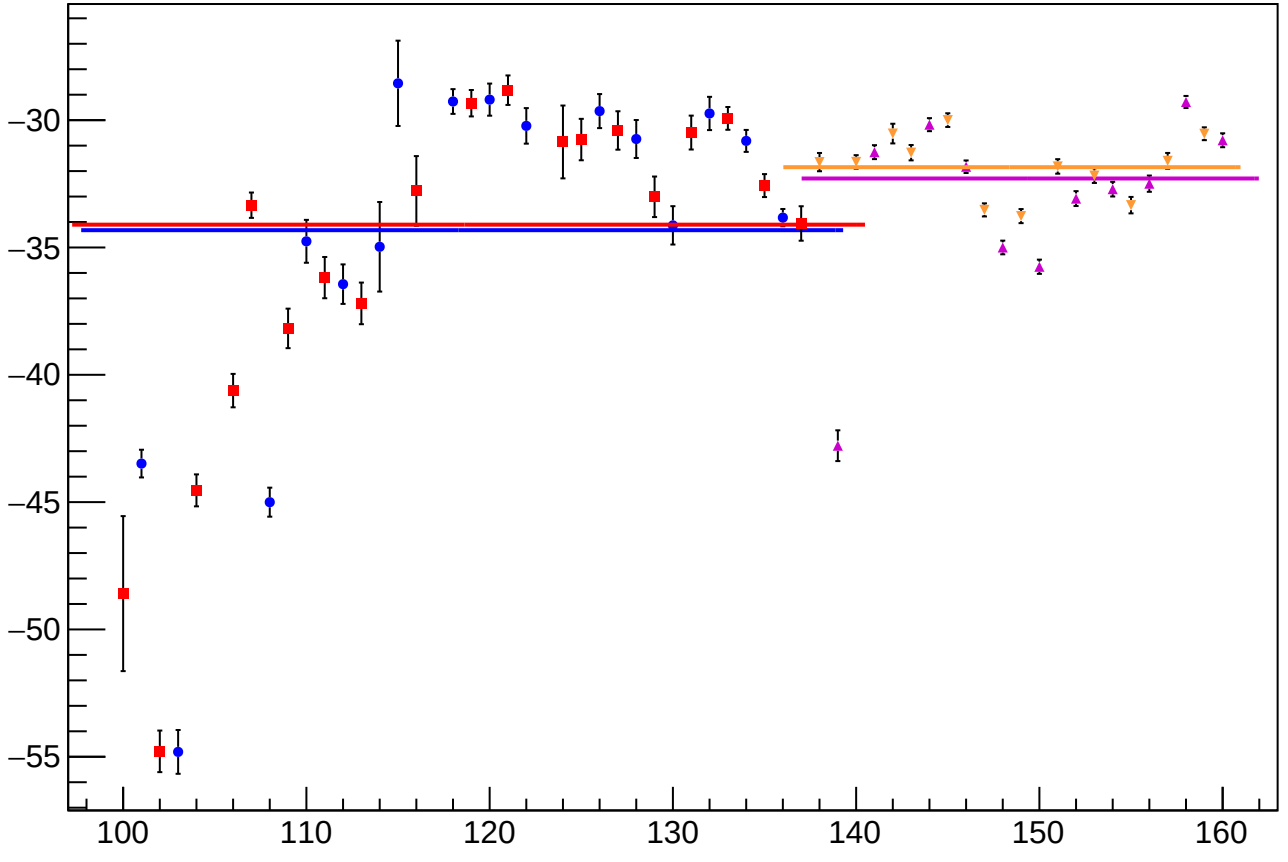
Left In: -15.132+/-0.120 χ^2/NDF:467.4/10

+ sign -15.253+/-0.093 χ^2/NDF: 645.0/27

All: -15.263+/-0.066 χ^2/NDF: 1619.8/57

- sign -15.274+/-0.094 χ^2/NDF: 974.7/29

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.847+/-0.084 χ^2/NDF:204.3/11

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

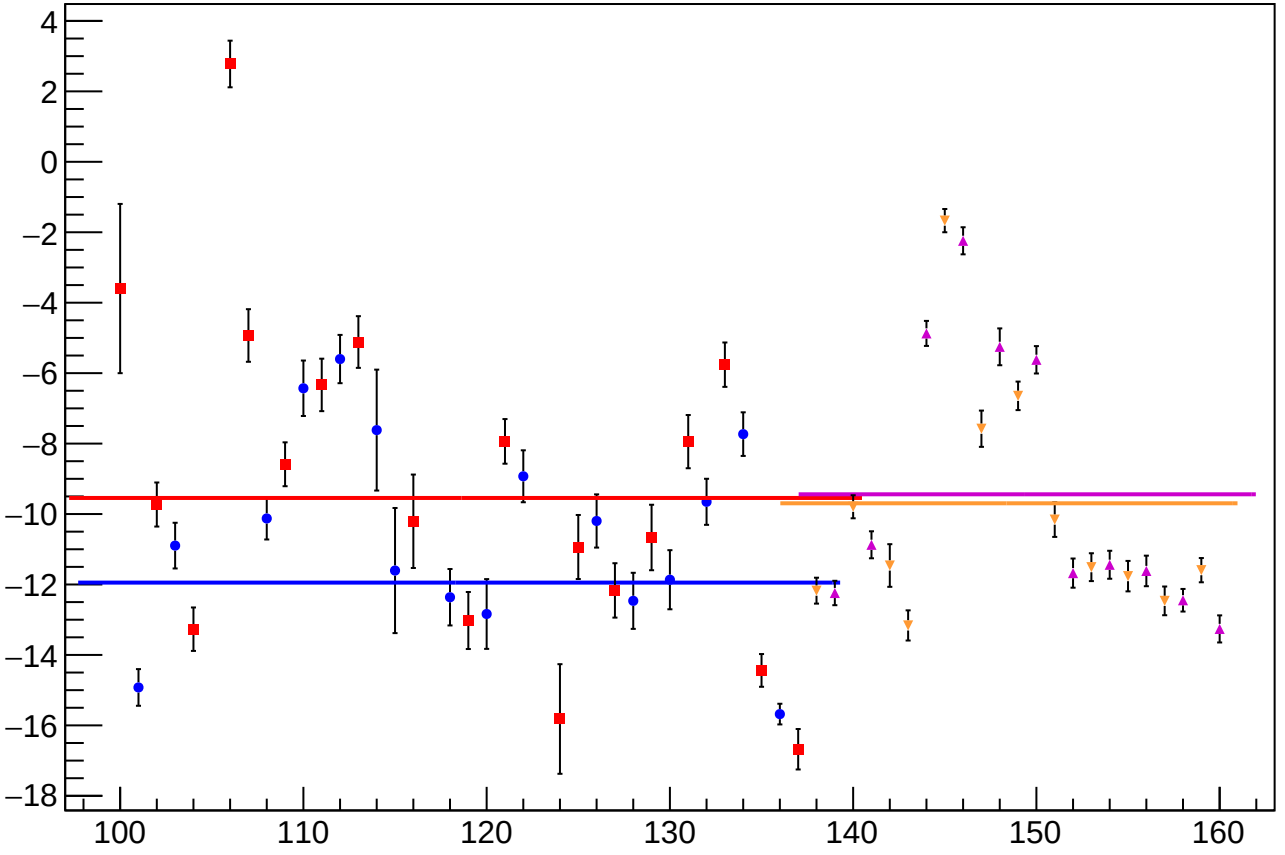
Left In: -32.291+/-0.085 χ^2/NDF:842.9/10

+ sign -32.419+/-0.074 χ^2/NDF: 2025.1/27

All: -32.564+/-0.052 χ^2/NDF: 4416.9/57

- 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: -9.695+/-0.116 χ^2/NDF:905.9/11

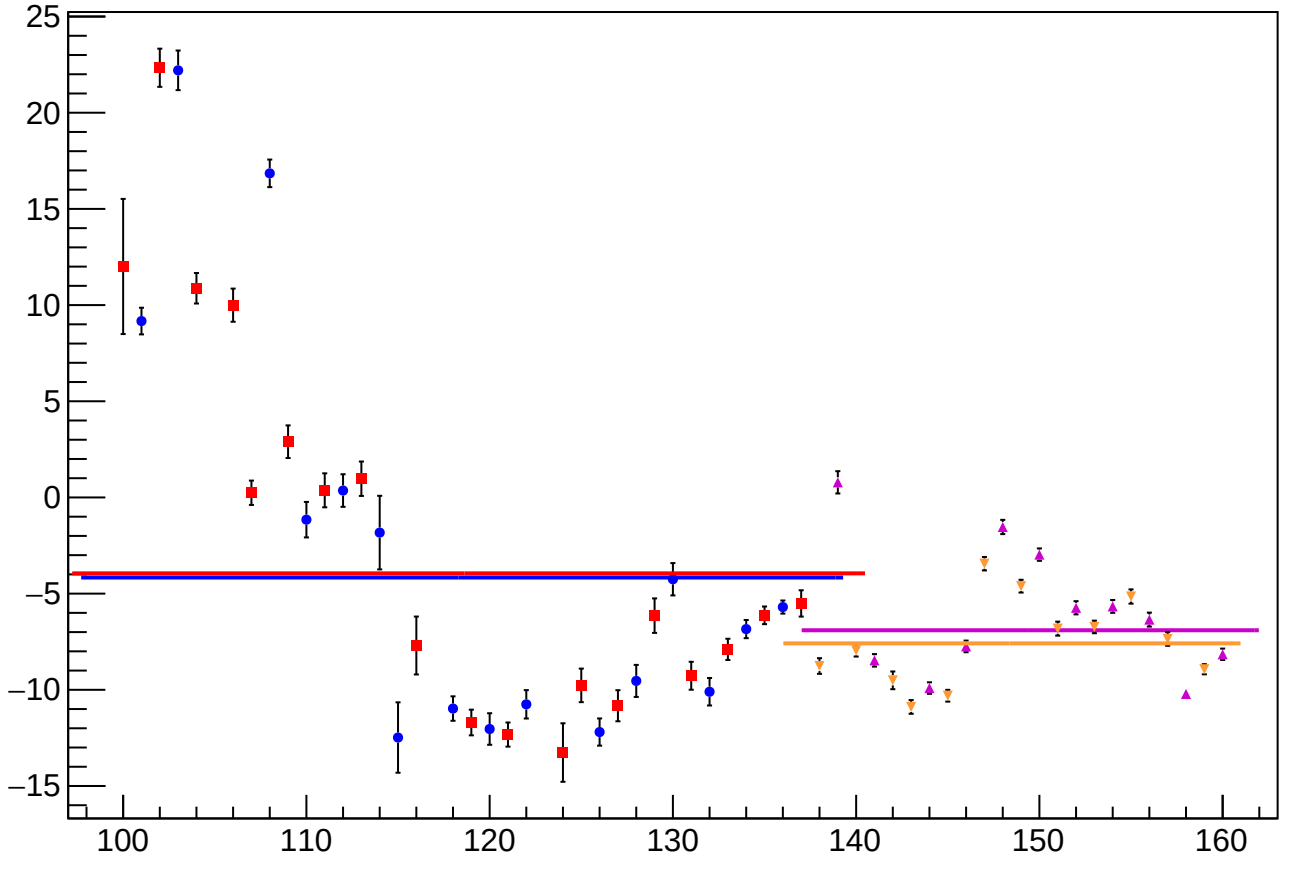
Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -9.439+/-0.116 χ^2/NDF:1021.8/10

+ sign -10.470+/-0.094 χ^2/NDF: 1465.6/27

All: -9.978+/-0.067 χ^2/NDF: 3390.2/57

- 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: -7.586+/-0.099 χ^2/NDF:491.9/11

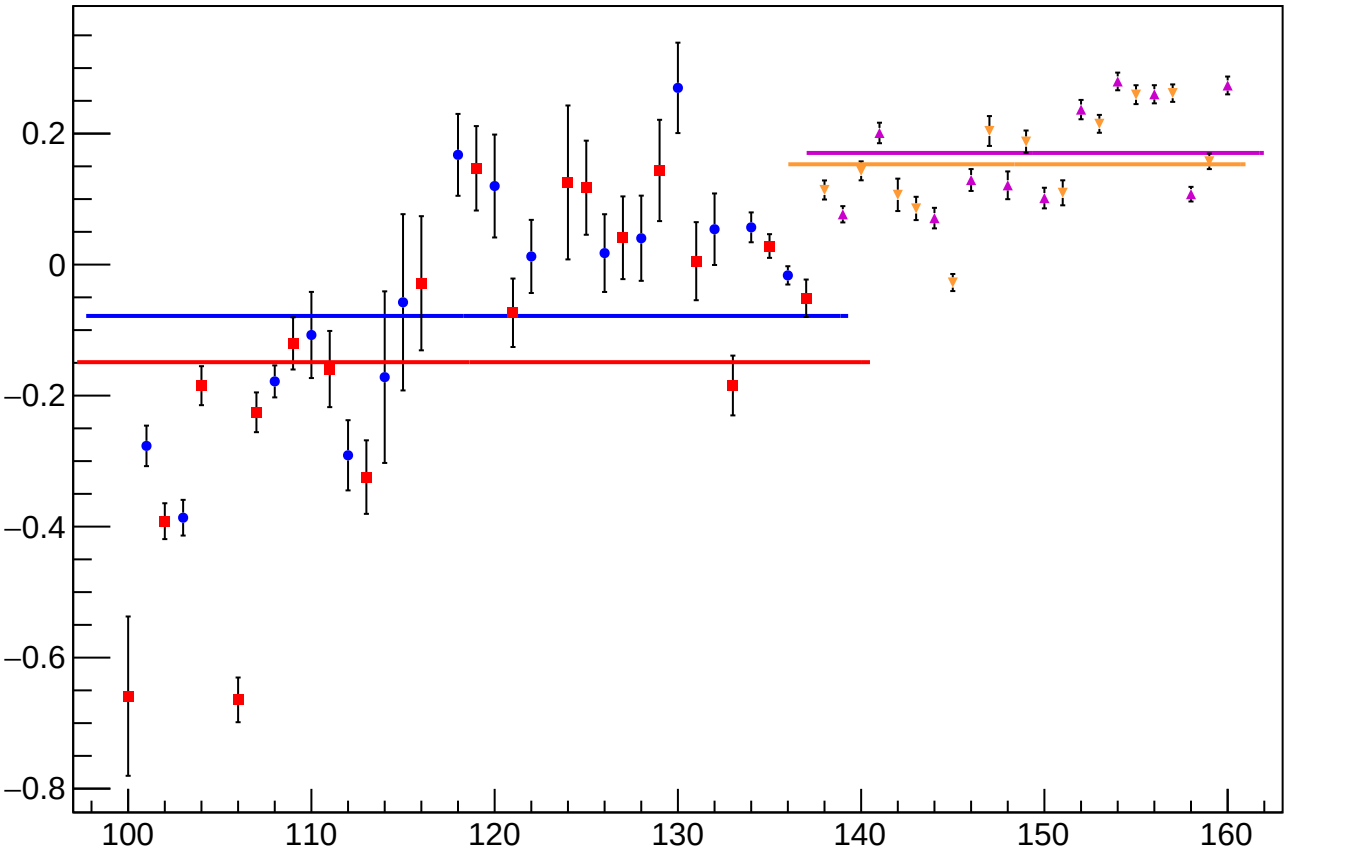
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

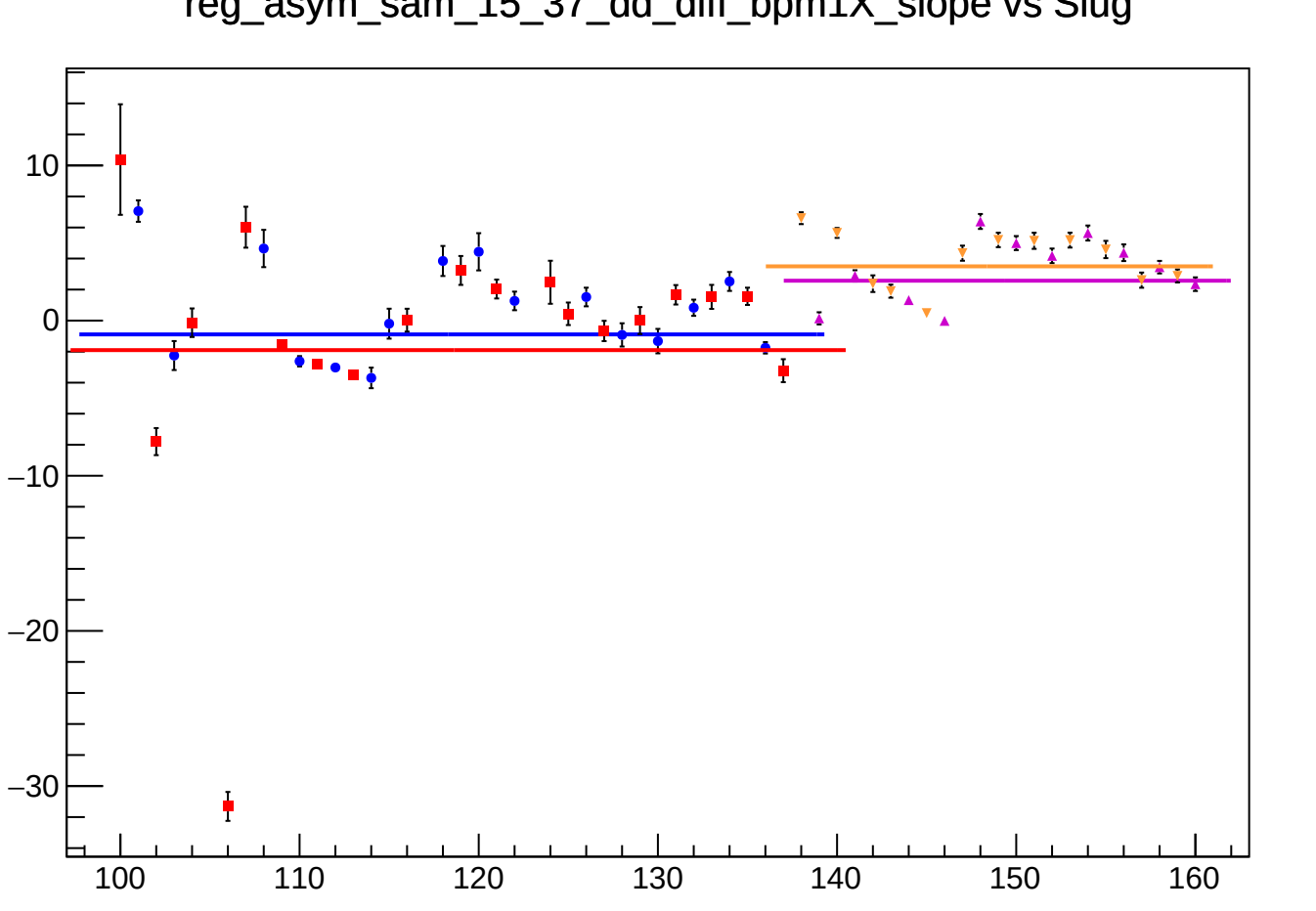
Left In: -6.904+/-0.098 χ^2/NDF:887.4/10

+ sign -6.738+/-0.086 χ^2/NDF: 3315.2/27

All: -6.471+/-0.061 χ^2/NDF: 6547.5/57

- sign -6.203+/-0.086 χ^2/NDF: 3212.9/29


reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.078+/-0.009 χ²/NDF: 318.8/15
Left Out: 0.153+/-0.004 χ²/NDF:373.0/11
Right Out: -0.149+/-0.009 χ²/NDF: 524.8/18
Left In: 0.170+/-0.004 χ²/NDF:348.1/10
+ sign 0.105+/-0.004 χ²/NDF: 1268.4/27
All: 0.108+/-0.003 χ²/NDF: 3151.5/57
- sign 0.111+/-0.004 χ²/NDF: 1881.7/29



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.497+/-0.118 χ^2/NDF:329.5/11

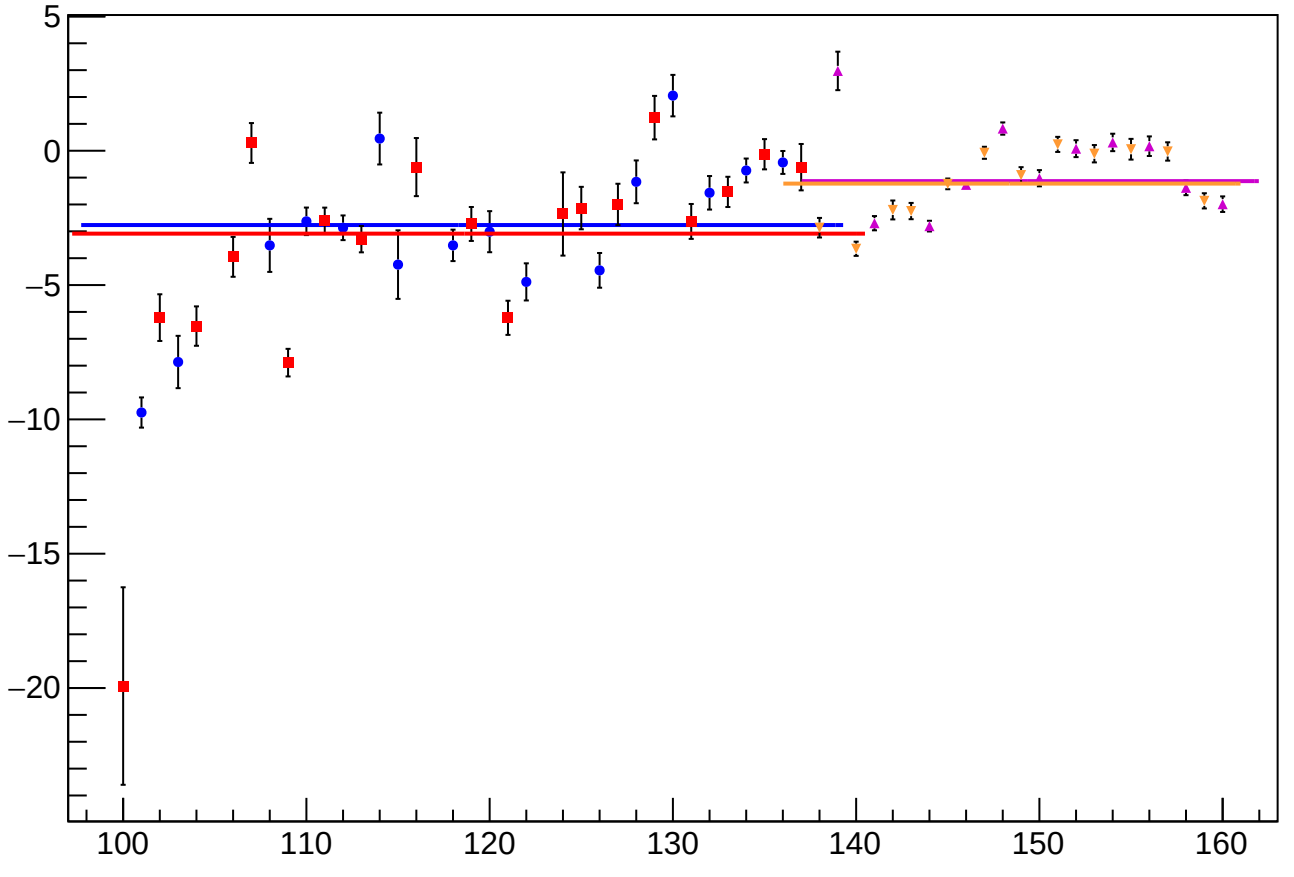
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 2.572+/-0.118 χ^2/NDF:293.5/10

\+ sign 1.629+/-0.089 χ^2/NDF: 1301.8/27

All: 1.059+/-0.062 χ^2/NDF: 3663.9/57

\- sign 0.516+/-0.087 χ^2/NDF: 2282.1/29



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.223+/-0.082 χ^2/NDF:218.1/11

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

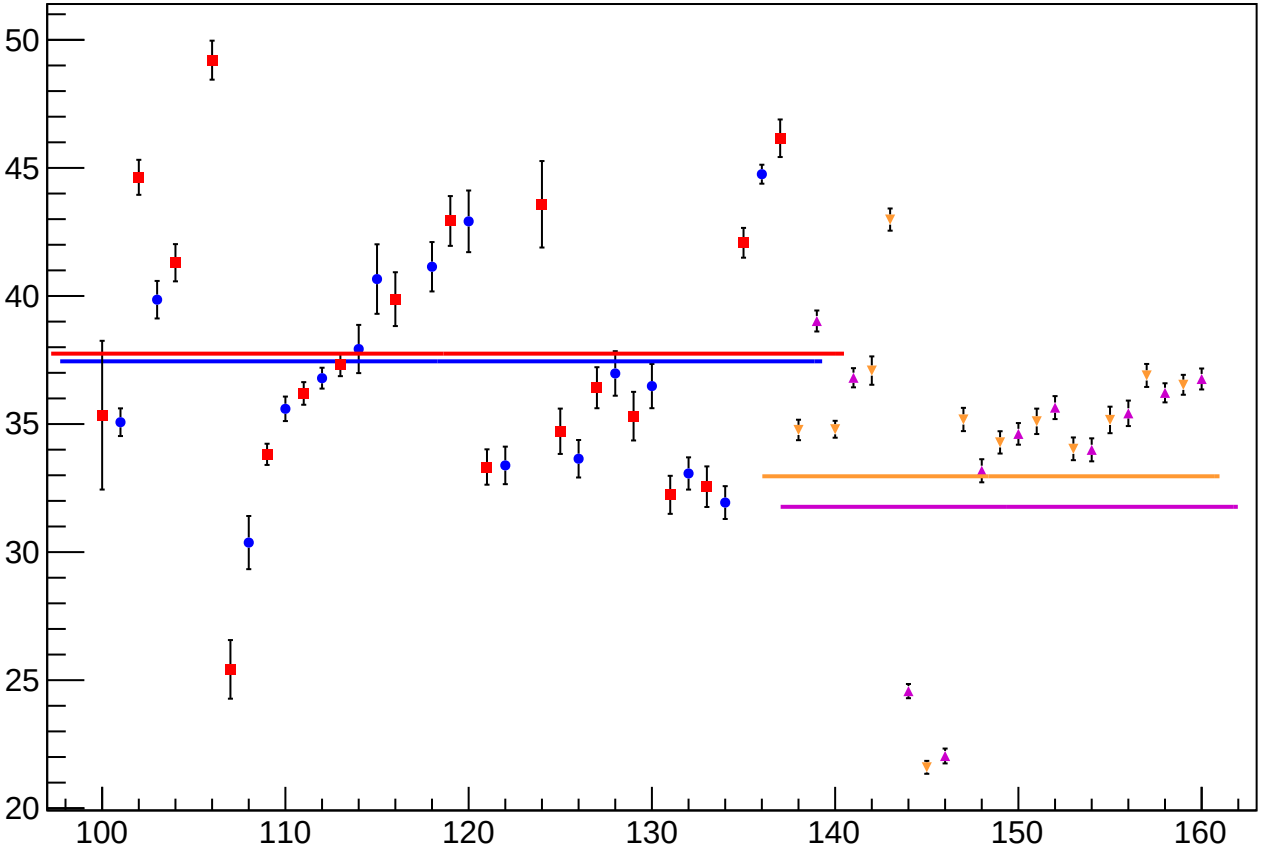
Left In: -1.131+/-0.080 χ^2/NDF:269.4/10

+ sign -1.559+/-0.073 χ^2/NDF: 604.4/27

All: -1.546+/-0.051 χ^2/NDF: 1268.6/57

- 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: 32.960+/-0.116 χ^2/NDF:2905.8/11

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

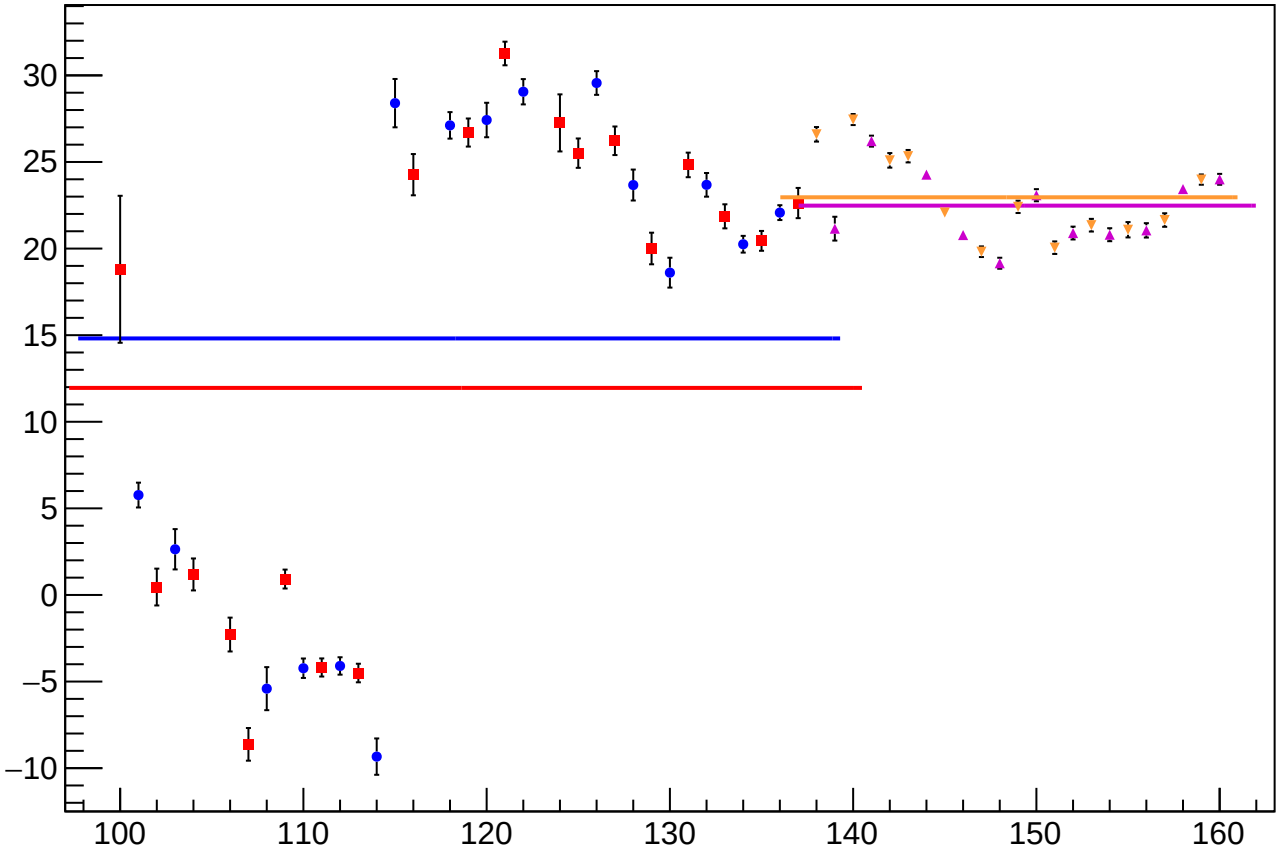
Left In: 31.769+/-0.115 χ^2/NDF:2789.4/10

+ sign 34.498+/-0.094 χ^2/NDF: 4125.5/27

All: 34.154+/-0.066 χ^2/NDF: 8830.5/57

- sign 33.816+/-0.093 χ^2/NDF: 4678.5/29

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 22.961+/-0.098 χ^2/NDF:588.5/11

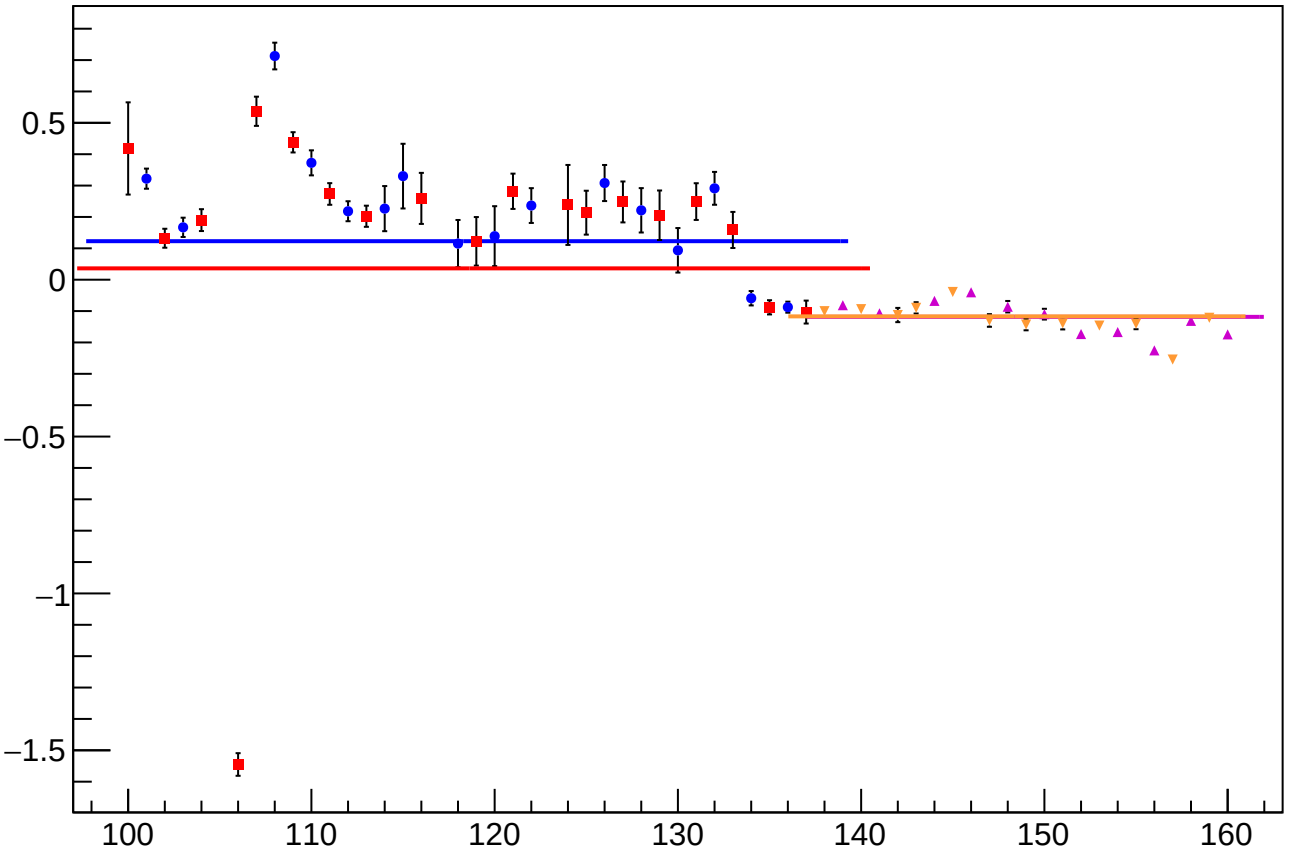
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.479+/-0.095 χ^2/NDF:456.4/10

+ sign 21.000+/-0.085 χ^2/NDF: 7943.0/27

All: 20.555+/-0.060 χ^2/NDF: 17308.8/57

- 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: -0.117+/-0.004 χ^2/NDF:163.6/11

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

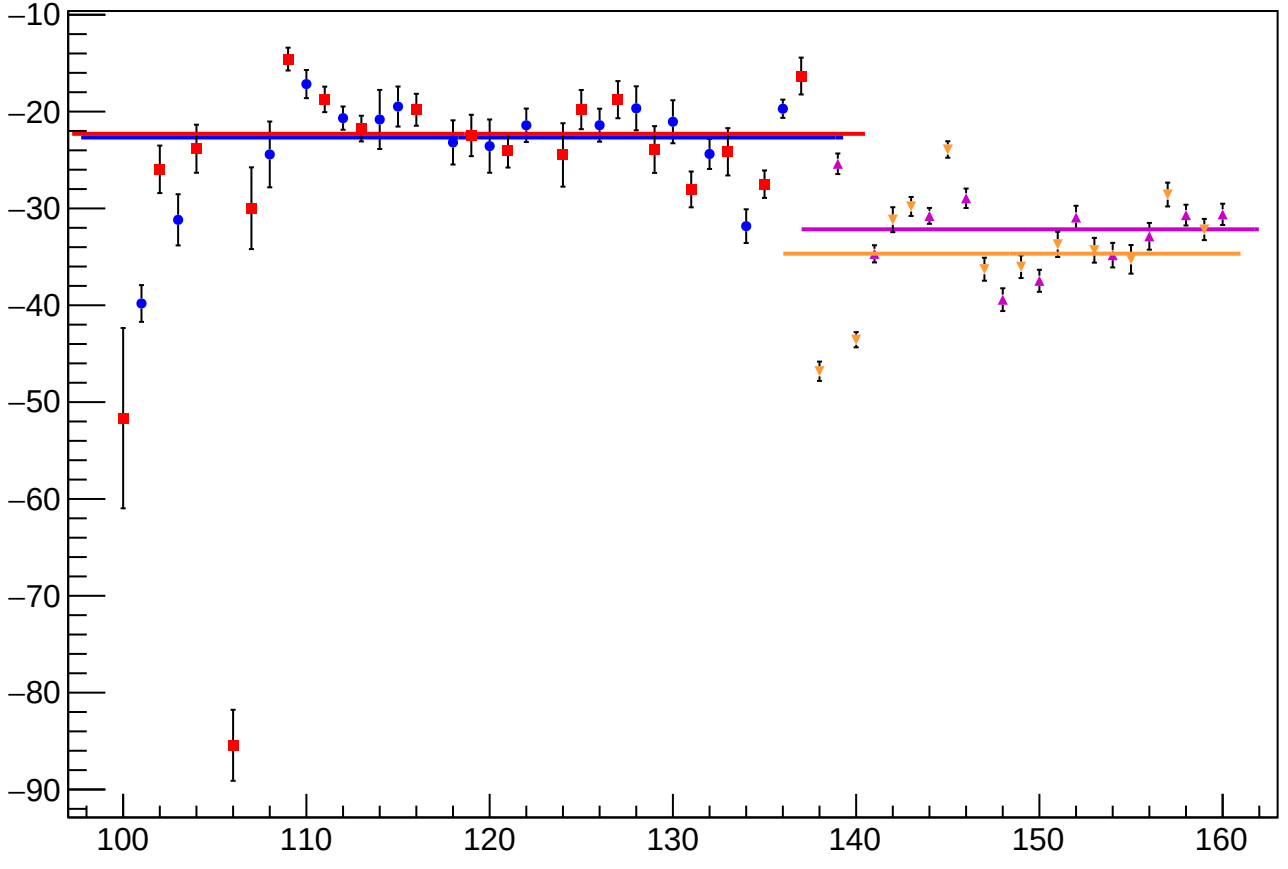
Left In: -0.118+/-0.004 χ^2/NDF:149.5/10

+ sign -0.072+/-0.004 χ^2/NDF: 1211.6/27

All: -0.082+/-0.003 χ^2/NDF: 3995.6/57

- 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: -34.669+/-0.312 χ^2/NDF:502.5/11

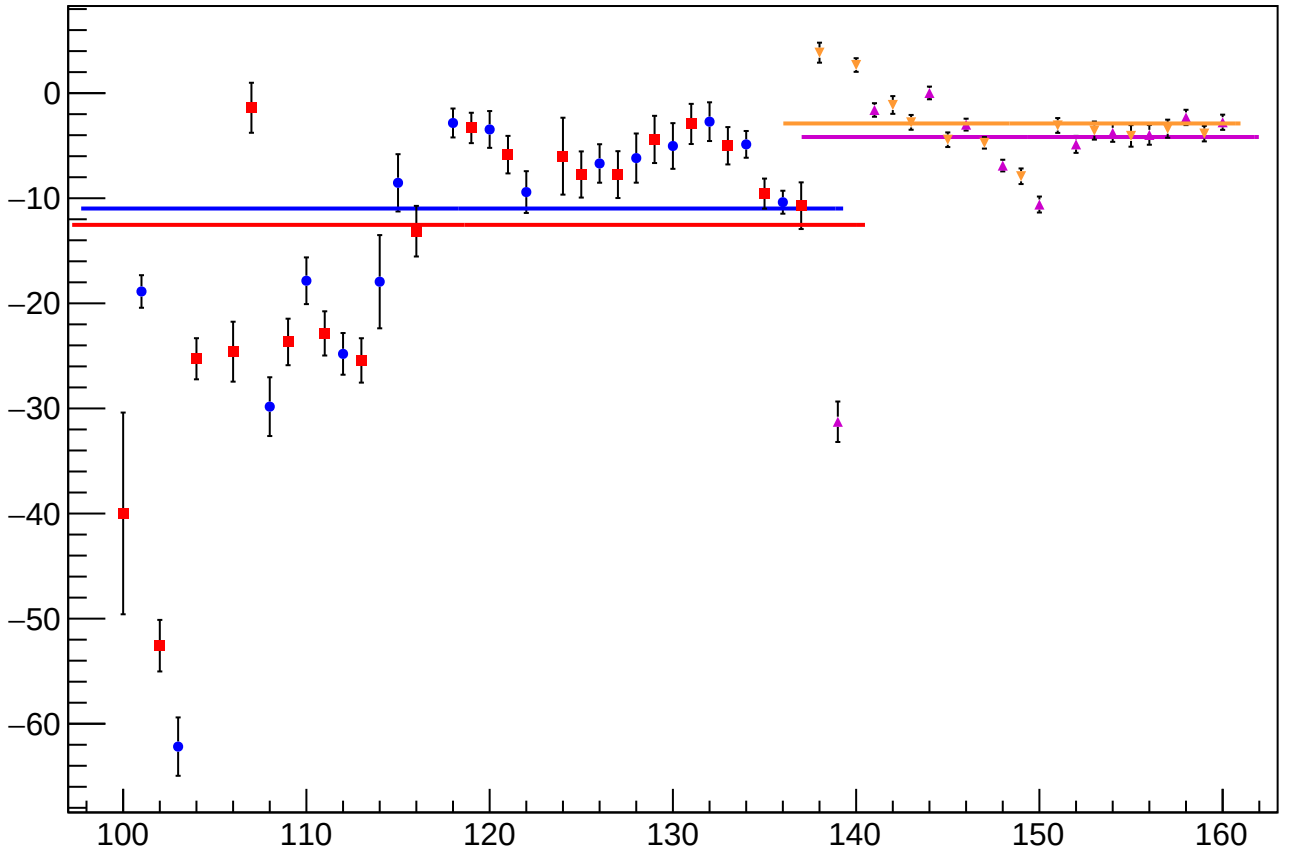
Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -32.156+/-0.322 χ^2/NDF:131.3/10

+ sign -30.581+/-0.254 χ^2/NDF: 1159.2/27

All: -29.645+/-0.181 χ^2/NDF: 2055.8/57

- sign -28.670+/-0.259 χ^2/NDF: 868.8/29



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.885+/-0.215 χ^2/NDF:194.1/11

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

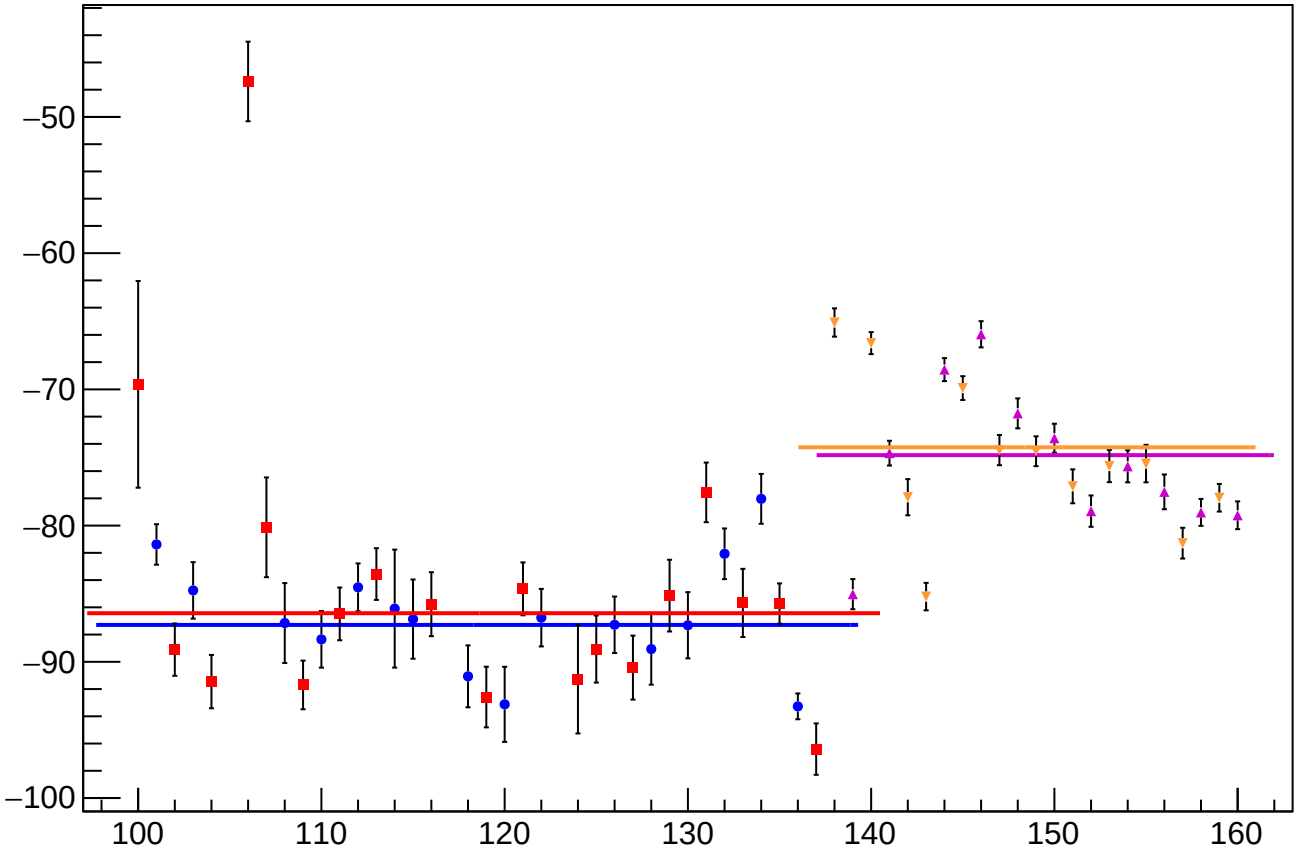
Left In: -4.173+/-0.216 χ^2/NDF:373.1/10

+ sign -4.372+/-0.194 χ^2/NDF: 1041.5/27

All: -4.966+/-0.138 χ^2/NDF: 2257.1/57

- 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: -74.252+/-0.307 χ^2/NDF:377.3/11

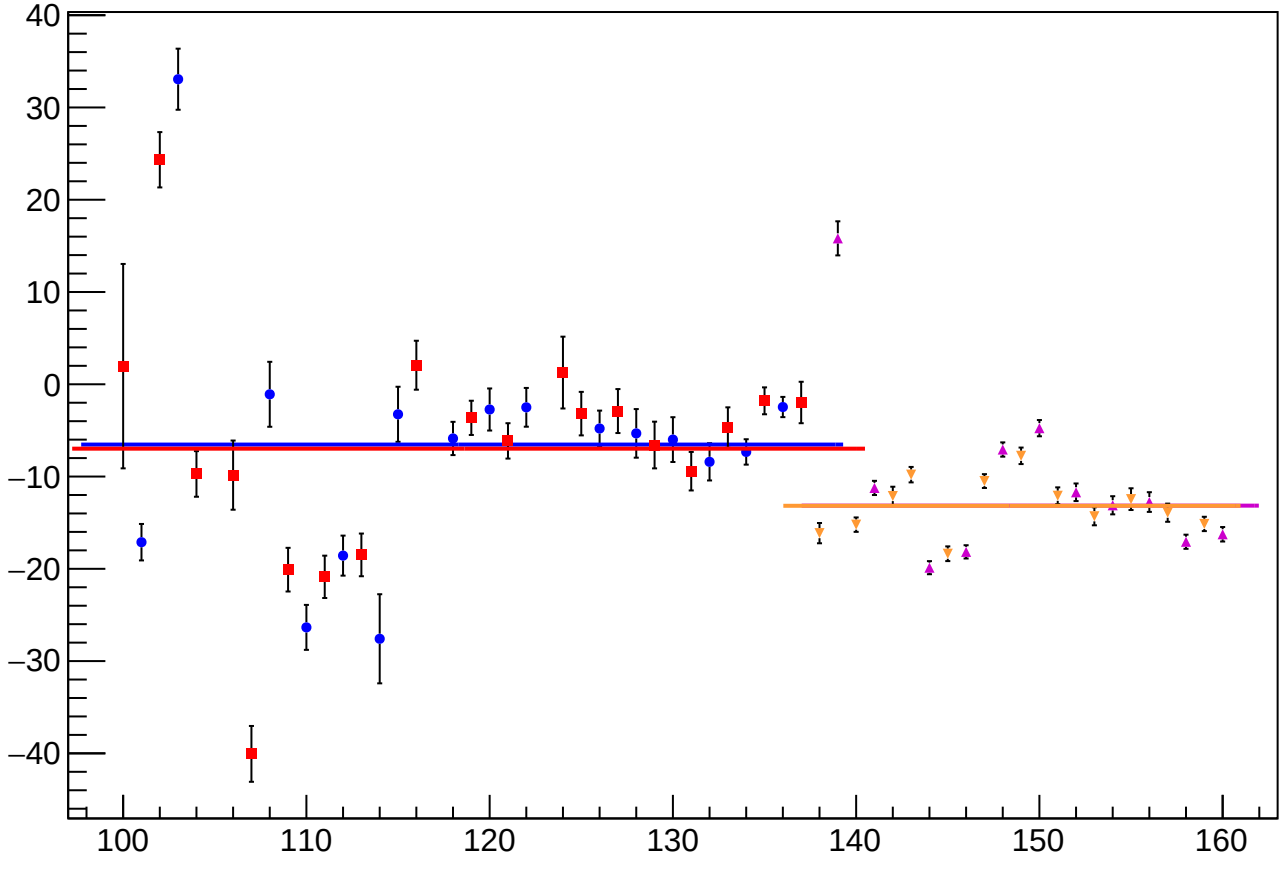
Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -74.828+/-0.312 χ^2/NDF:288.9/10

+ sign -78.031+/-0.259 χ^2/NDF: 1001.3/27

All: -78.026+/-0.185 χ^2/NDF: 1936.2/57

- sign -78.022+/-0.265 χ^2/NDF: 934.9/29



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -13.169+/-0.257 χ^2/NDF:133.5/11

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

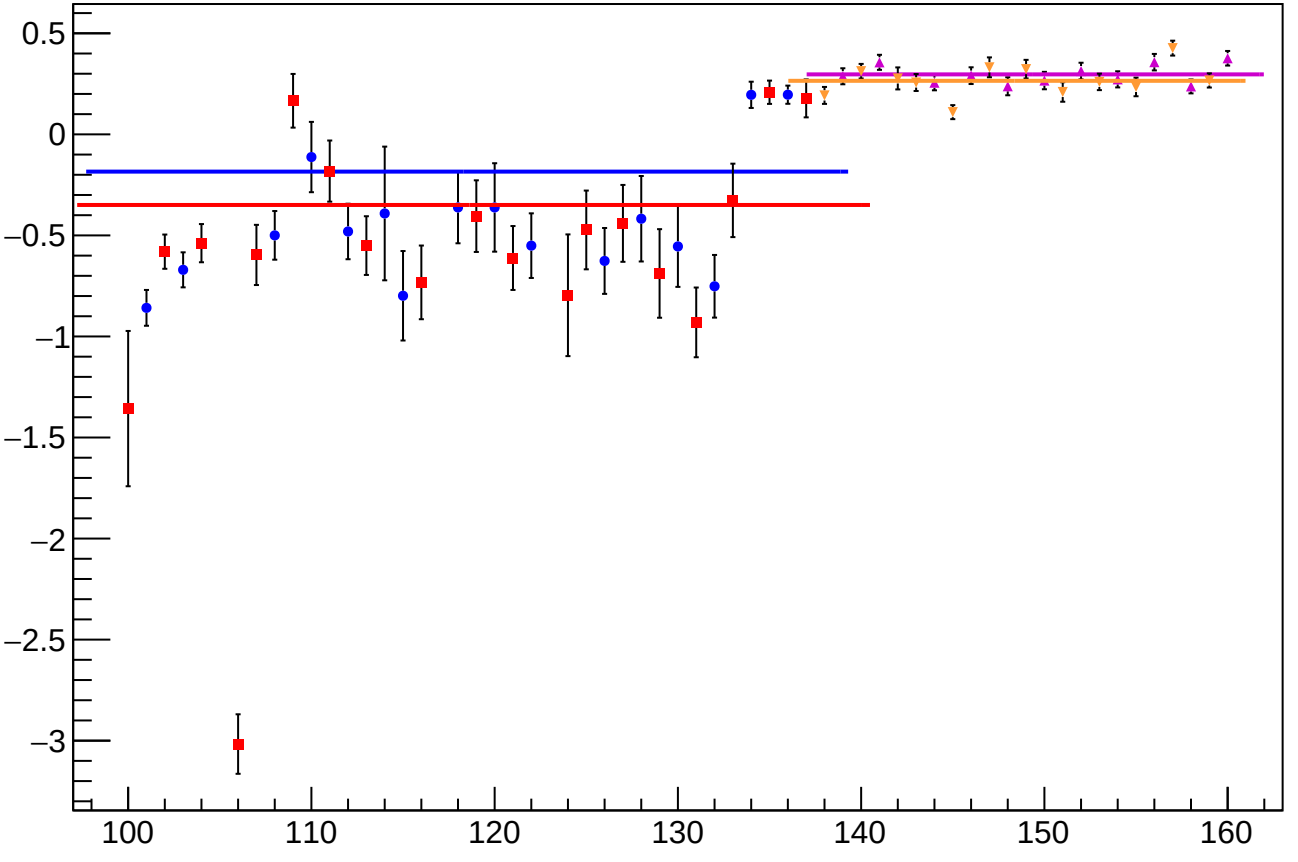
Left In: -13.153+/-0.256 χ^2/NDF:587.3/10

+ sign -11.817+/-0.229 χ^2/NDF: 583.3/27

All: -11.918+/-0.163 χ^2/NDF: 1645.4/57

- 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: 0.265+/-0.012 χ^2/NDF:49.2/11

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

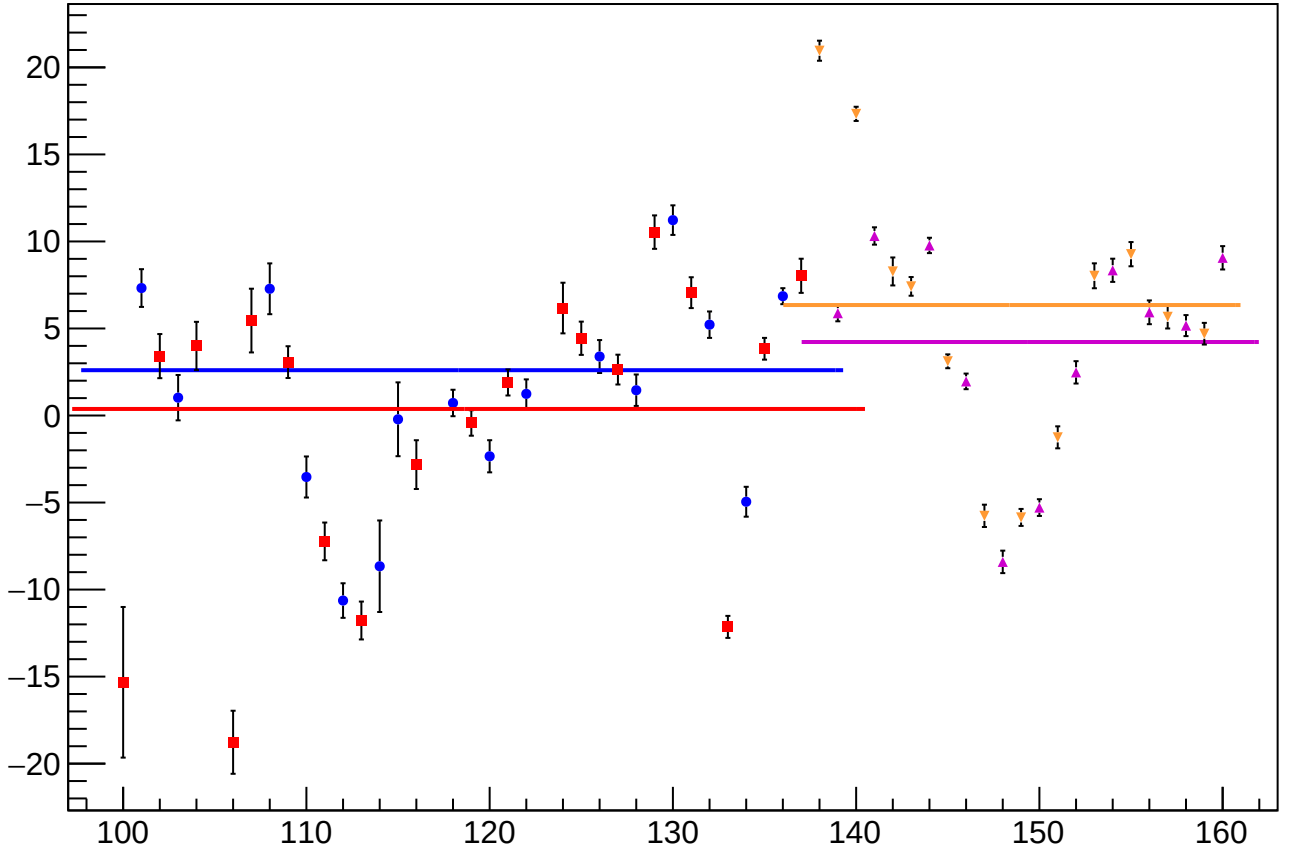
Left In: 0.297+/-0.012 χ^2/NDF:16.7/10

+ sign 0.190+/-0.011 χ^2/NDF: 531.4/27

All: 0.198+/-0.008 χ^2/NDF: 1483.0/57

- 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: 6.347+/-0.162 χ^2/NDF:2598.7/11

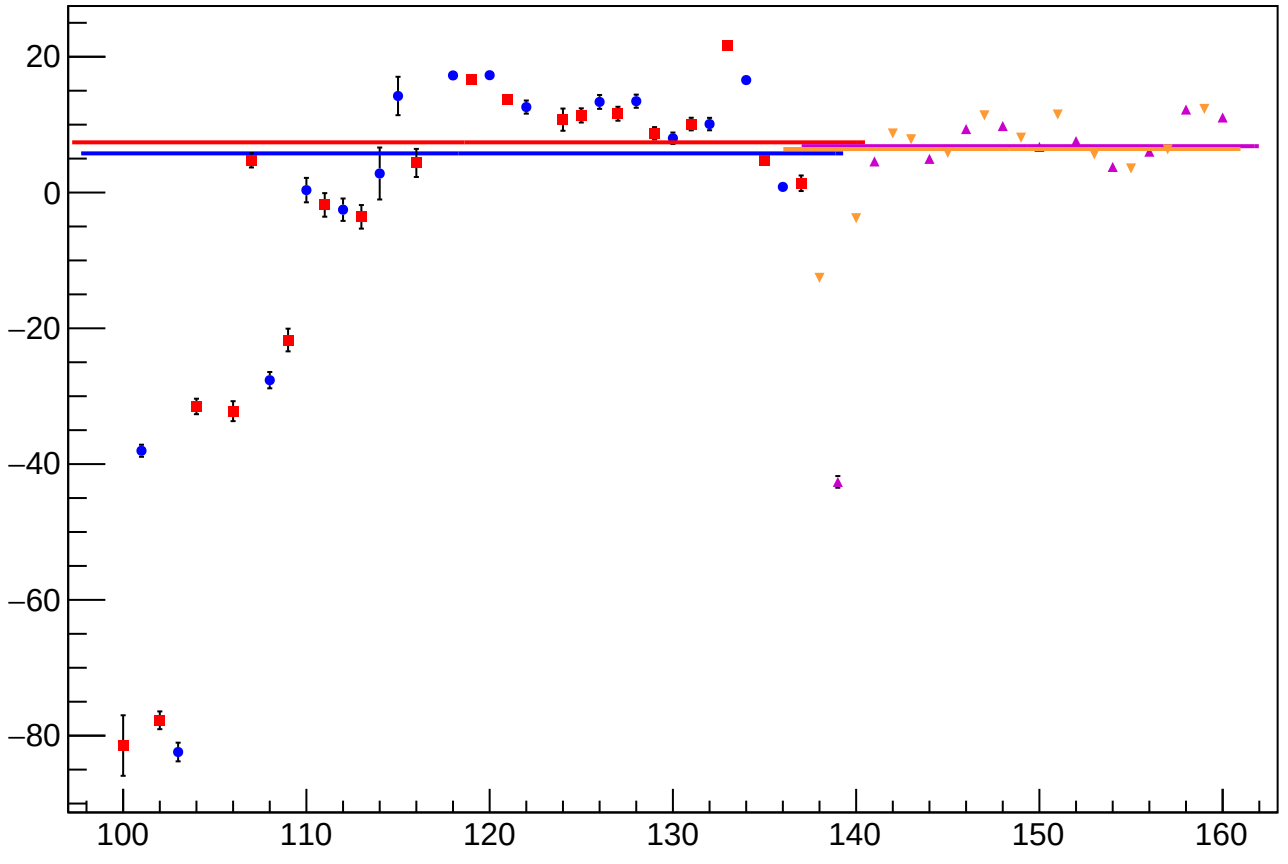
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 4.223+/-0.164 χ^2/NDF:1226.5/10

+ sign 5.066+/-0.131 χ^2/NDF: 3355.3/27

All: 3.974+/-0.093 χ^2/NDF: 5946.4/57

- 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: 6.412+/-0.113 χ^2/NDF:2729.6/11

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

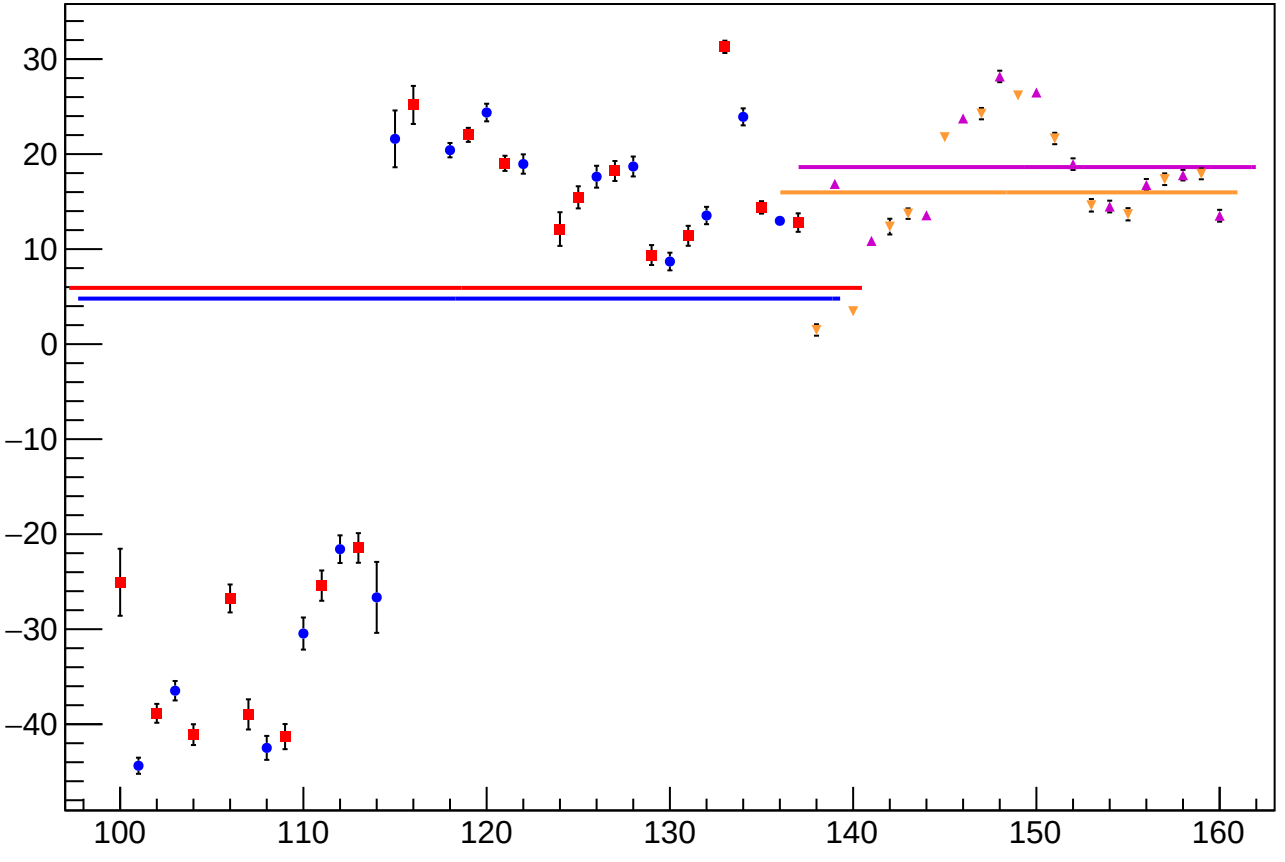
Left In: 6.829+/-0.114 χ^2/NDF:3878.0/10

\+ sign 6.268+/-0.099 χ^2/NDF: 11670.7/27

All: 6.611+/-0.070 χ^2/NDF: 23969.0/57

\- 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: 15.972+/-0.158 χ^2/NDF:2517.5/11

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

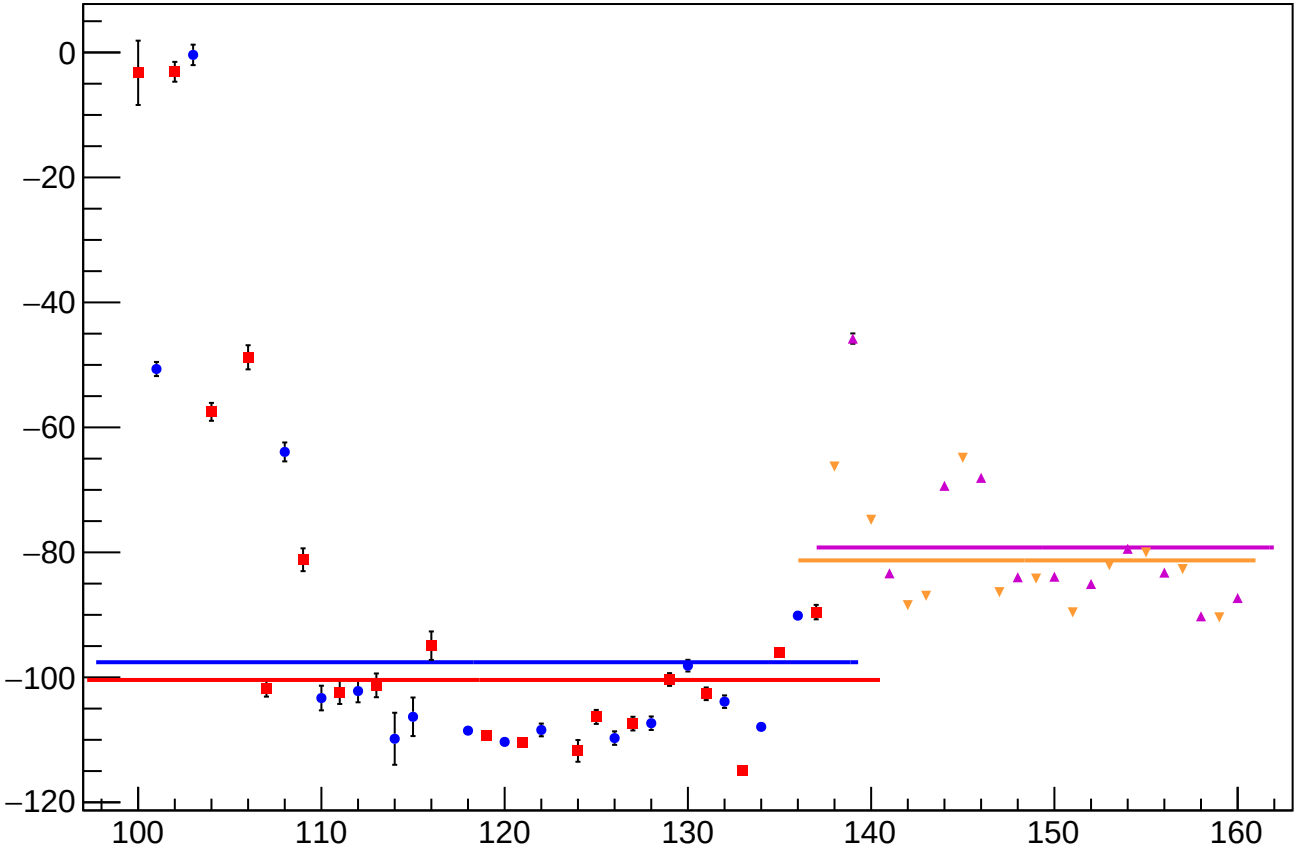
Left In: 18.634+/-0.159 χ^2/NDF:1188.2/10

+ sign 12.527+/-0.132 χ^2/NDF: 13547.9/27

All: 13.635+/-0.093 χ^2/NDF: 26889.2/57

- sign 14.755+/-0.133 χ^2/NDF: 13199.1/29

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -81.284+/-0.134 χ^2/NDF:3930.1/11

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

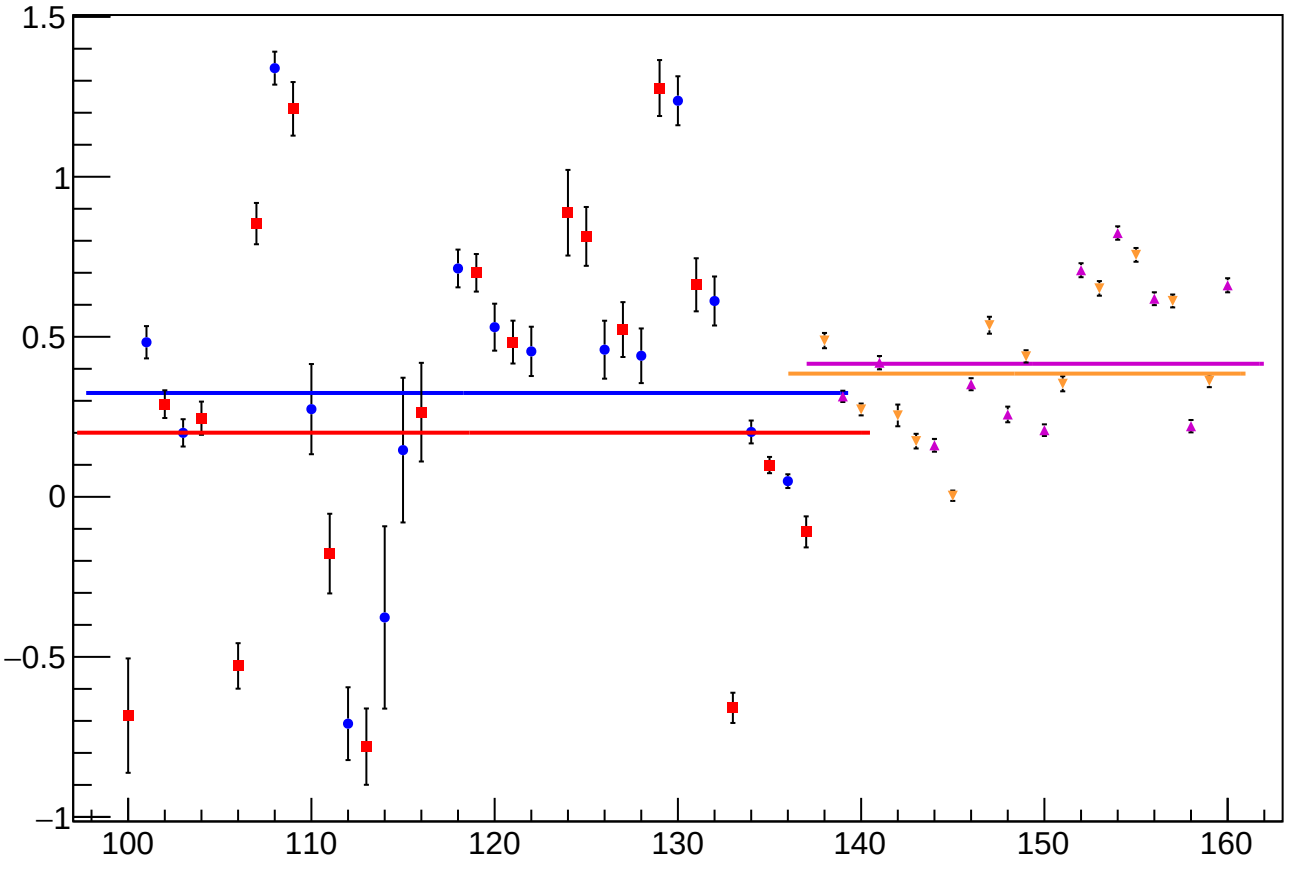
Left In: -79.218+/-0.134 χ^2/NDF:4874.8/10

+ sign -85.117+/-0.117 χ^2/NDF: 14551.7/27

All: -84.669+/-0.083 χ^2/NDF: 32484.1/57

- 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: 0.385+/-0.006 χ^2/NDF:1313.6/11

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

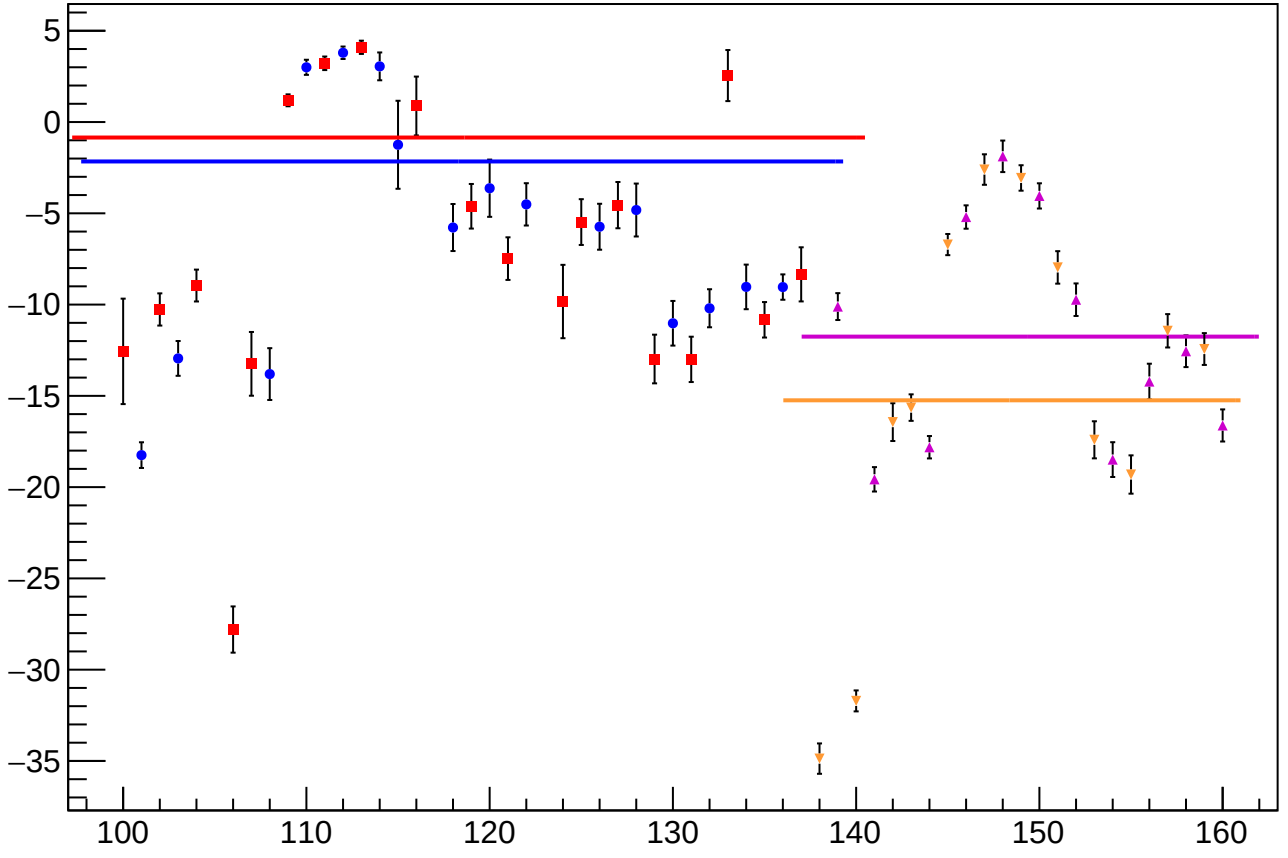
Left In: 0.416+/-0.006 χ^2/NDF:1264.2/10

+ sign 0.374+/-0.006 χ^2/NDF: 2217.1/27

All: 0.378+/-0.004 χ^2/NDF: 4891.2/57

- 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: -15.244+/-0.227 χ^2/NDF:2245.4/11

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

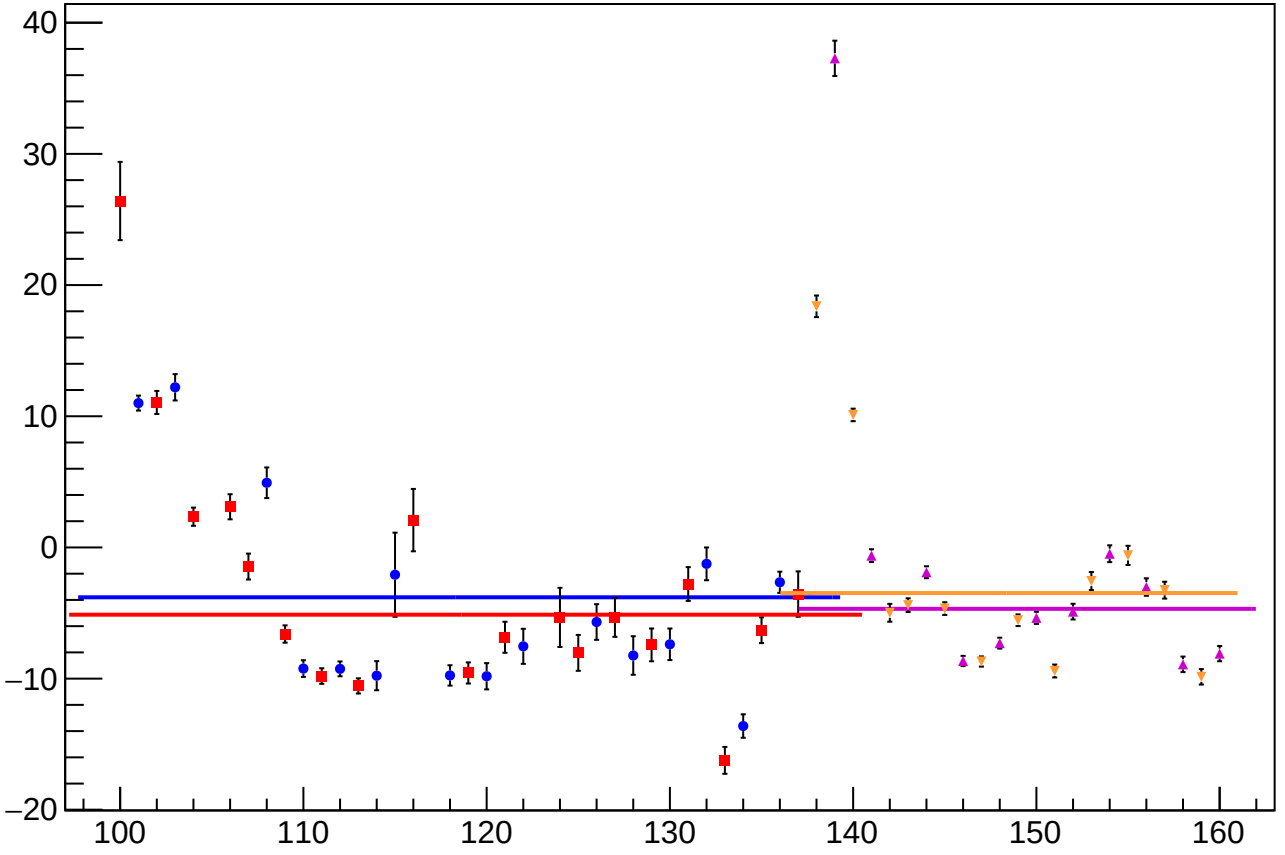
Left In: -11.755+/-0.232 χ^2/NDF:692.3/10

+ sign -7.618+/-0.147 χ^2/NDF: 5674.4/27

All: -6.052+/-0.100 χ^2/NDF: 9485.1/57

- 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: -3.476+/-0.156 χ^2/NDF:2005.4/11

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

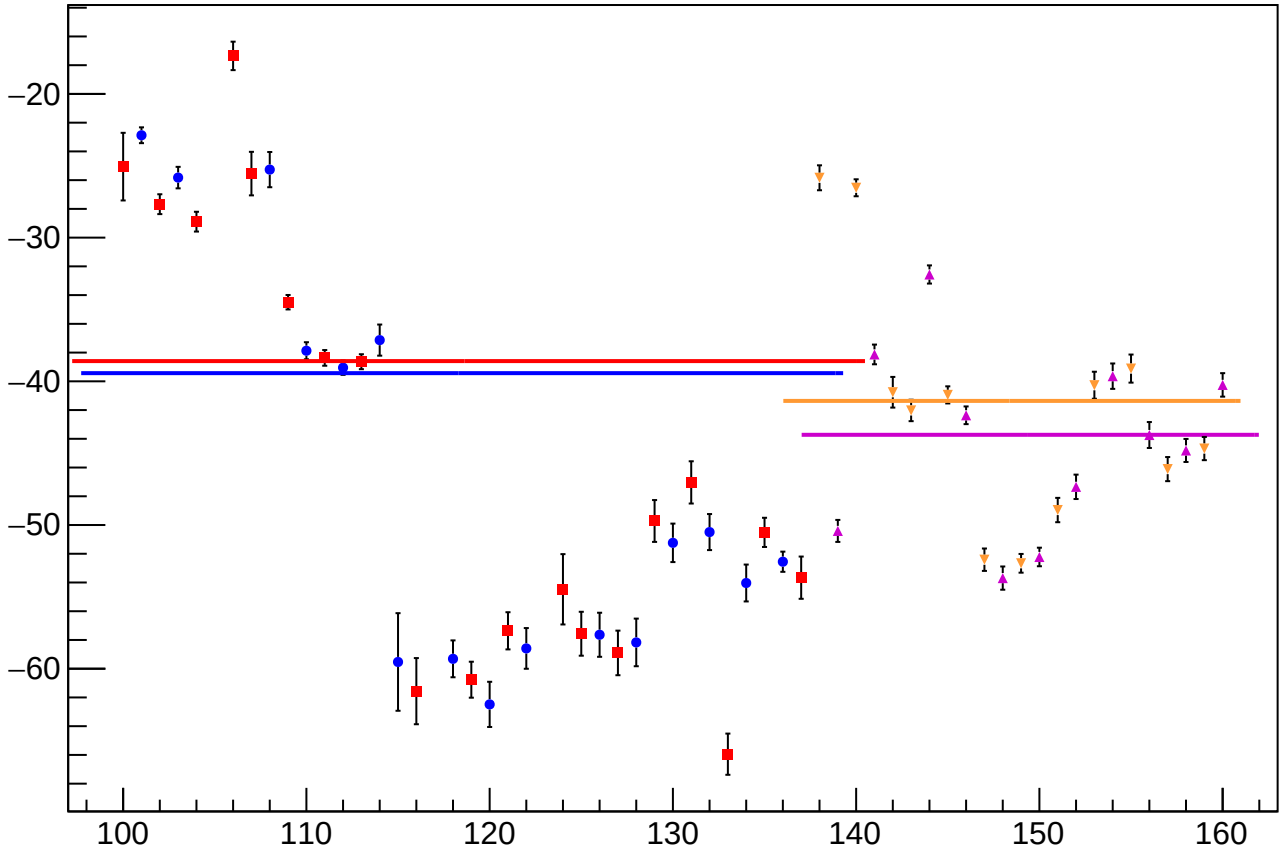
Left In: -4.680+/-0.158 χ^2/NDF:1360.5/10

+ sign -3.581+/-0.128 χ^2/NDF: 3432.3/27

All: -4.208+/-0.091 χ^2/NDF: 5823.7/57

- 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: -41.363+/-0.222 χ^2/NDF:1590.2/11

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

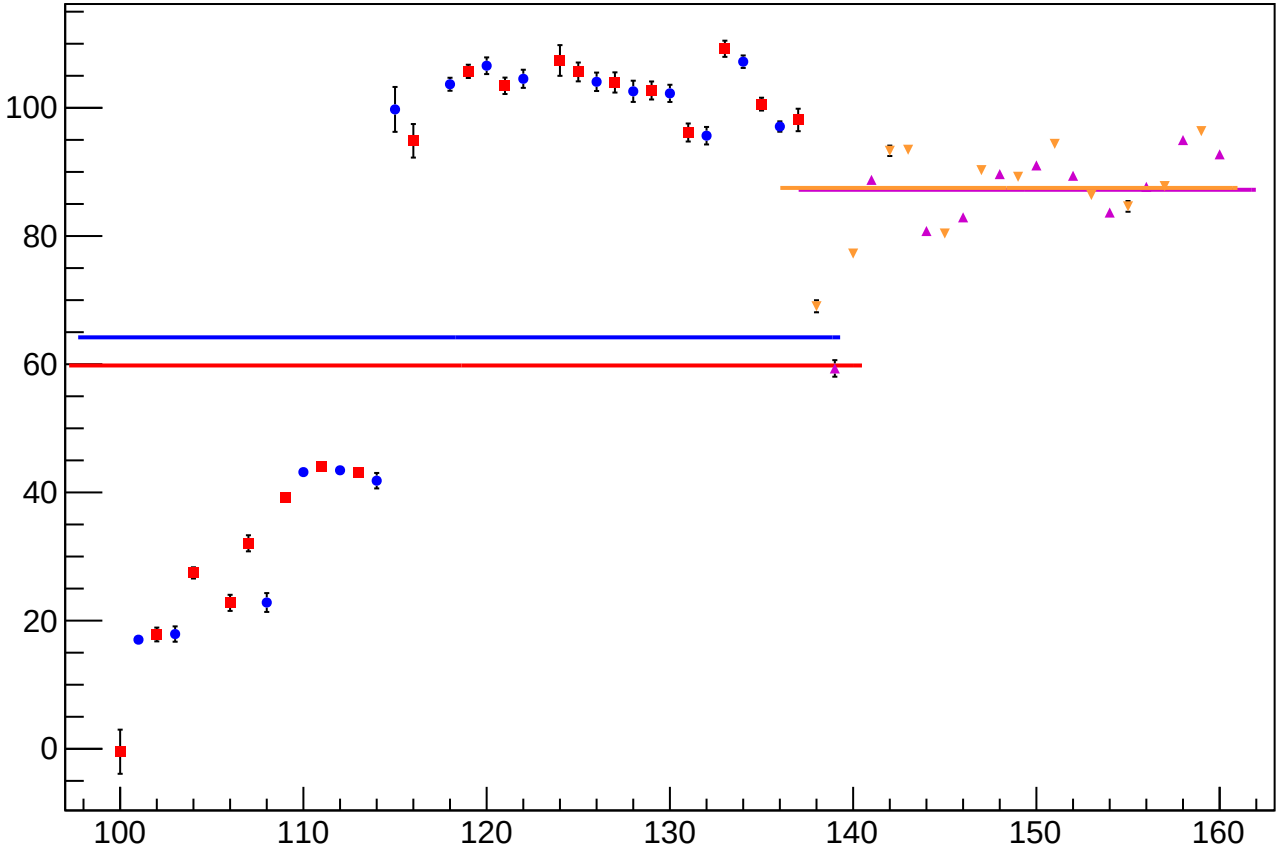
Left In: -43.722+/-0.224 χ^2/NDF:844.0/10

+ sign -40.410+/-0.158 χ^2/NDF: 4585.5/27

All: -40.722+/-0.111 χ^2/NDF: 8484.6/57

- 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: 87.505+/-0.187 χ^2/NDF:1386.7/11

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

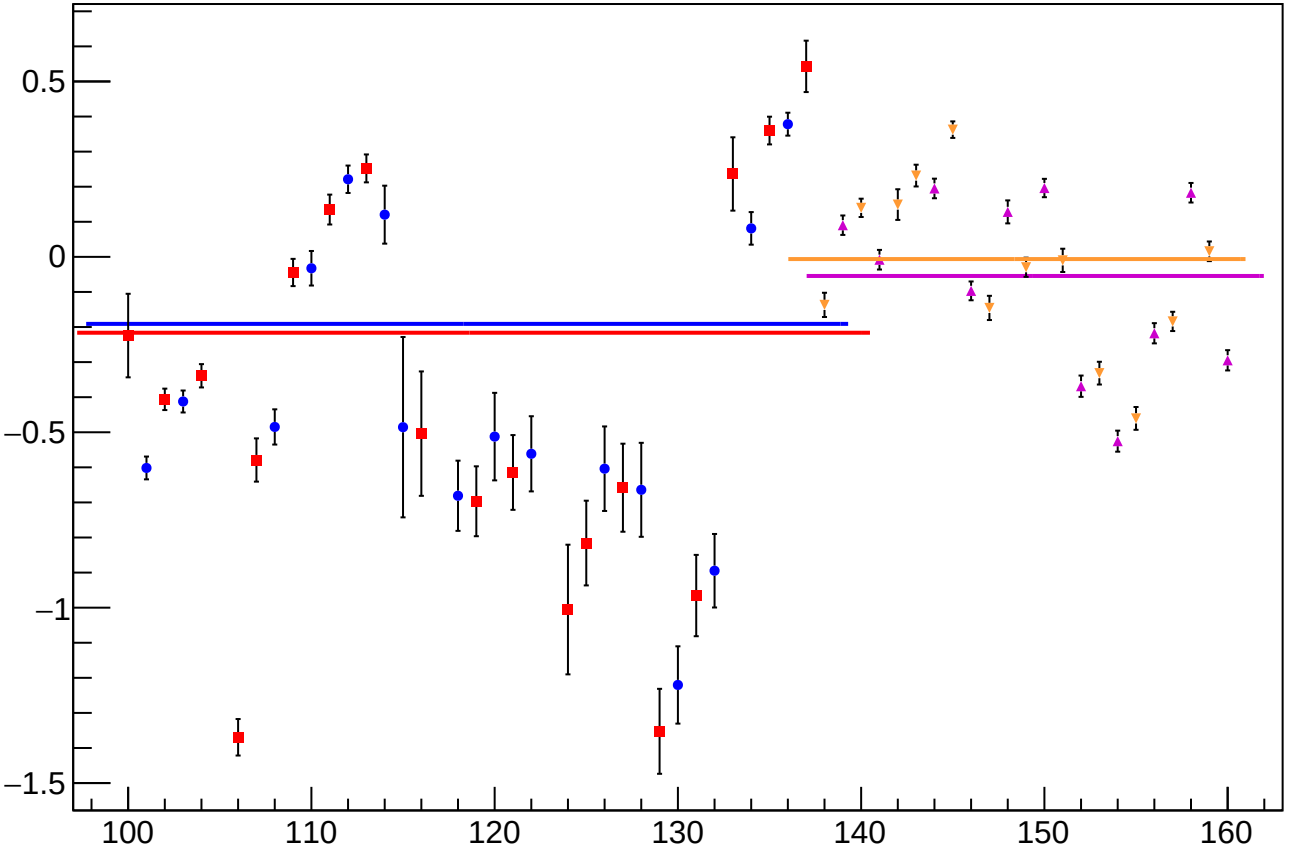
Left In: 87.215+/-0.187 χ^2/NDF:1032.8/10

\+ sign 79.471+/-0.151 χ^2/NDF: 25353.1/27

All: 78.387+/-0.106 χ^2/NDF: 51682.2/57

\- sign 77.329+/-0.149 χ^2/NDF: 26227.5/29

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.006+/-0.009 χ^2/NDF:717.6/11

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

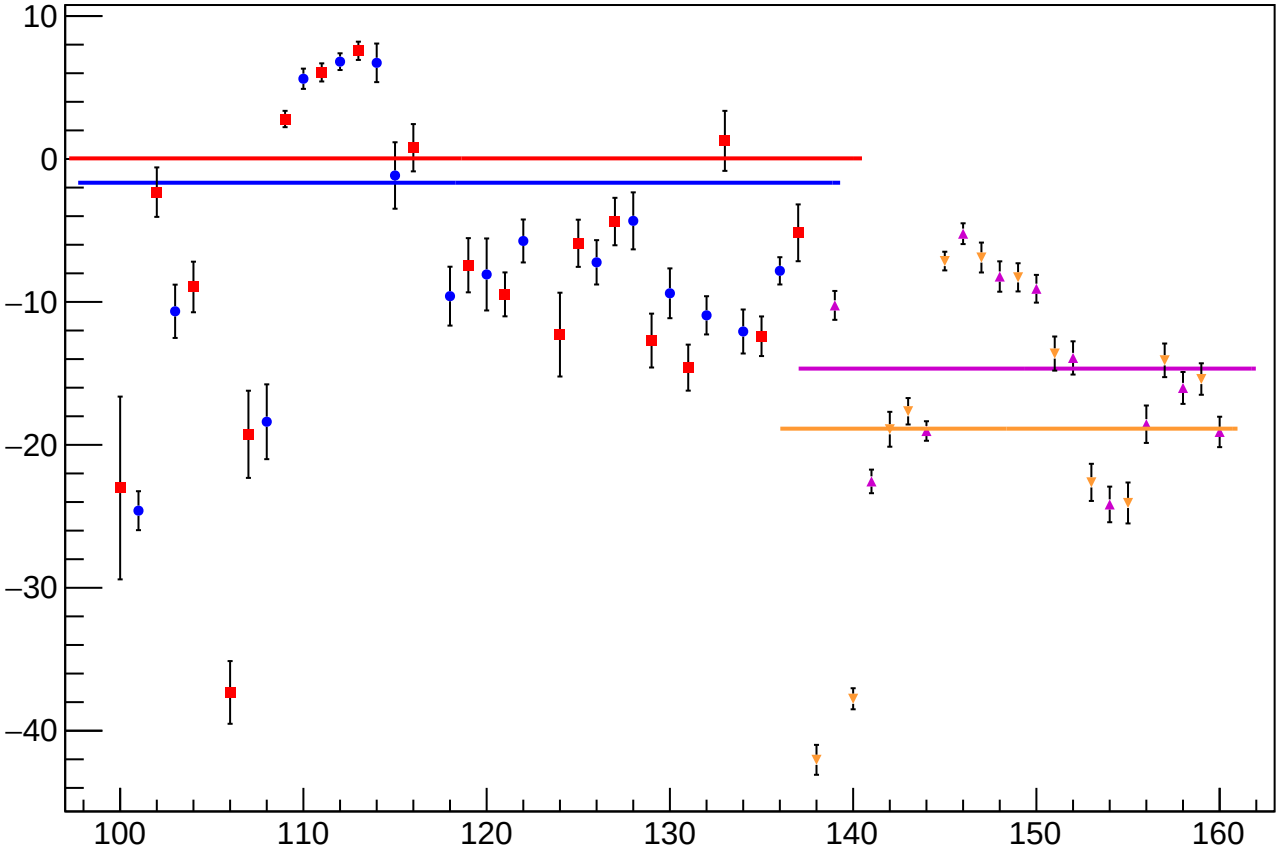
Left In: -0.054+/-0.009 χ^2/NDF:762.7/10

+ sign -0.061+/-0.007 χ^2/NDF: 1769.4/27

All: -0.083+/-0.005 χ^2/NDF: 4026.6/57

- 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: -18.867+/-0.286 χ^2/NDF:1785.4/11

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

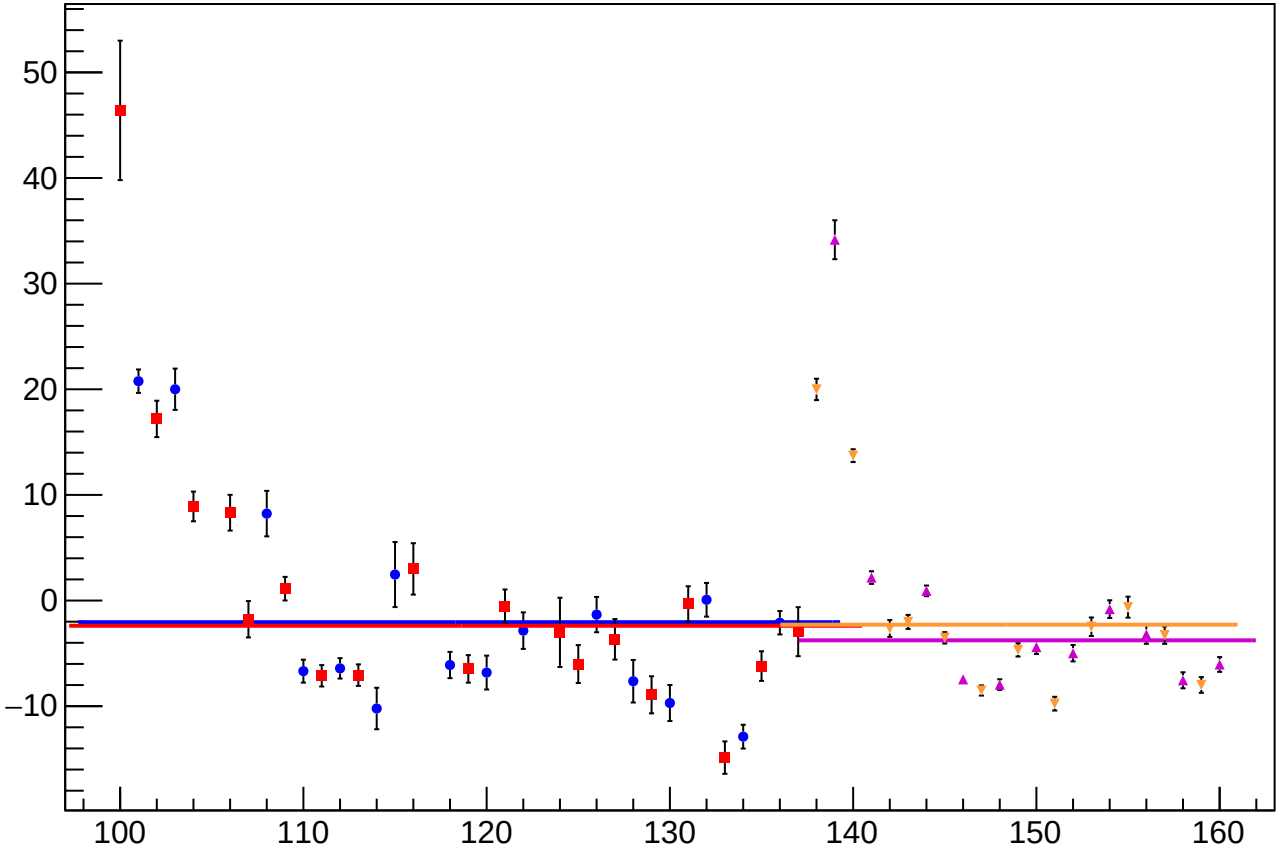
Left In: -14.665+/-0.288 χ^2/NDF:476.0/10

+ sign -10.898+/-0.210 χ^2/NDF: 4360.3/27

All: -8.955+/-0.145 χ^2/NDF: 7266.0/57

- sign -7.163+/-0.201 χ^2/NDF: 2740.6/29

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -2.286+/-0.197 χ^2/NDF:1559.4/11

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

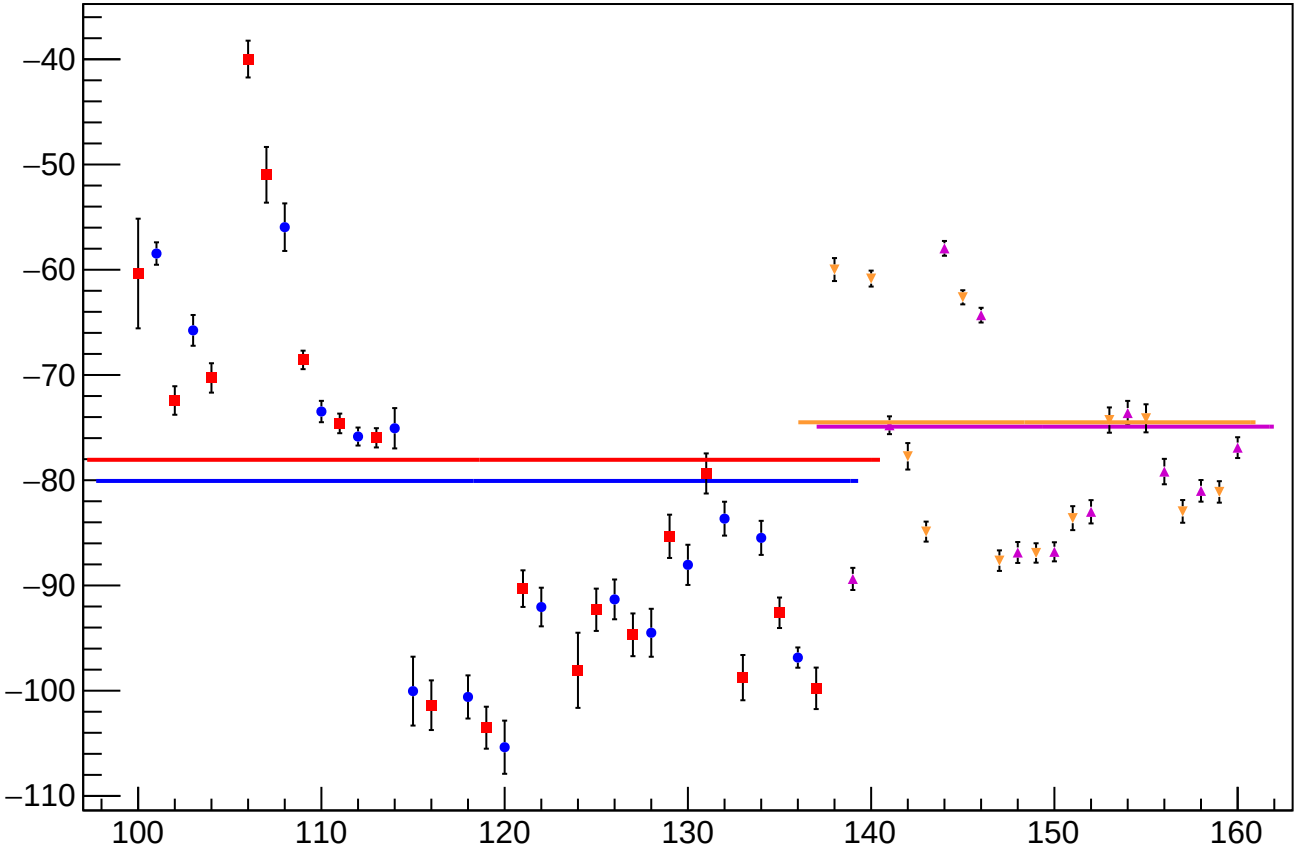
Left In: -3.767+/-0.193 χ^2/NDF:802.2/10

+ sign -2.230+/-0.172 χ^2/NDF: 2331.7/27

All: -2.851+/-0.121 χ^2/NDF: 3622.0/57

- 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: -74.495+/-0.282 χ^2/NDF:1471.3/11

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

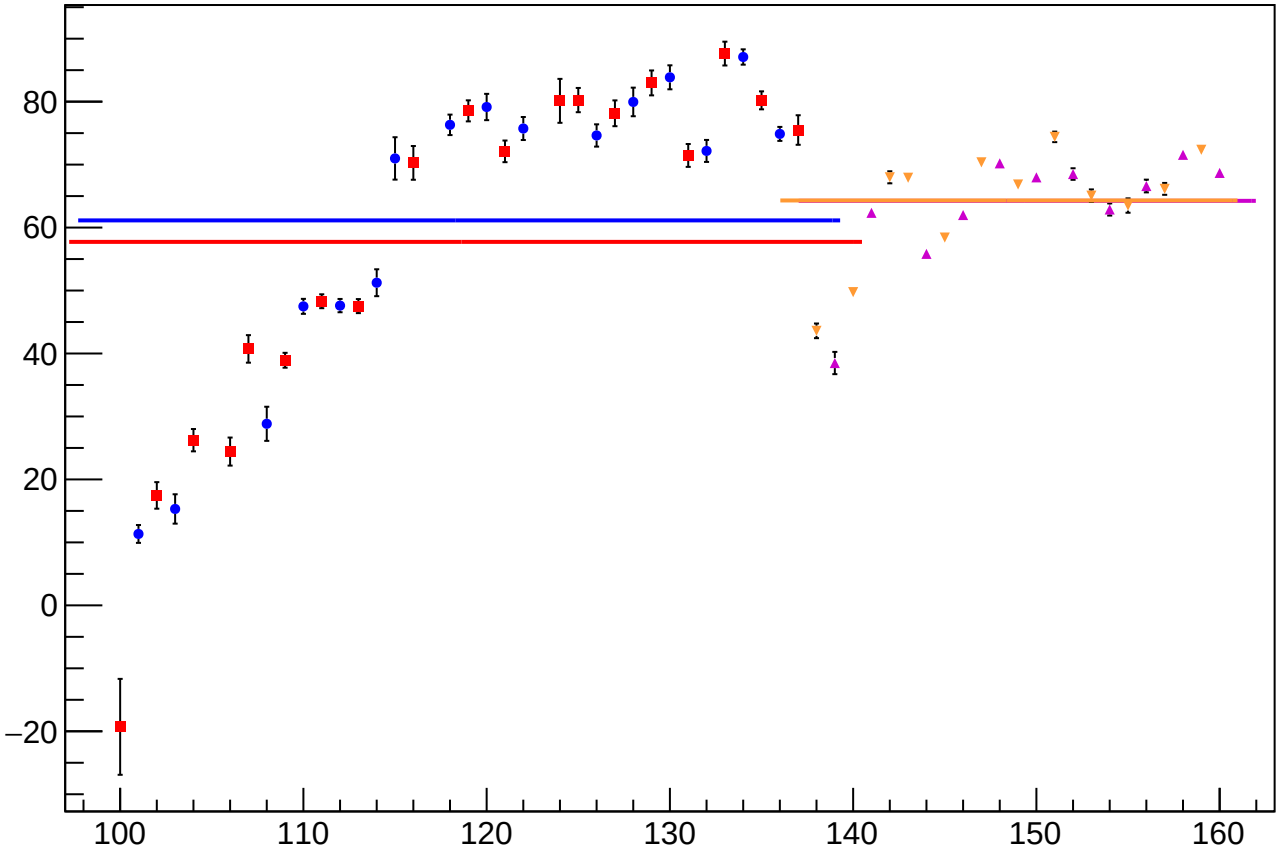
Left In: -74.909+/-0.279 χ^2/NDF:1420.8/10

+ sign -76.579+/-0.223 χ^2/NDF: 3005.0/27

All: -76.346+/-0.156 χ^2/NDF: 6038.0/57

- sign -76.121+/-0.219 χ^2/NDF: 3030.9/29

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 64.305+/-0.236 χ^2/NDF:1191.4/11

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

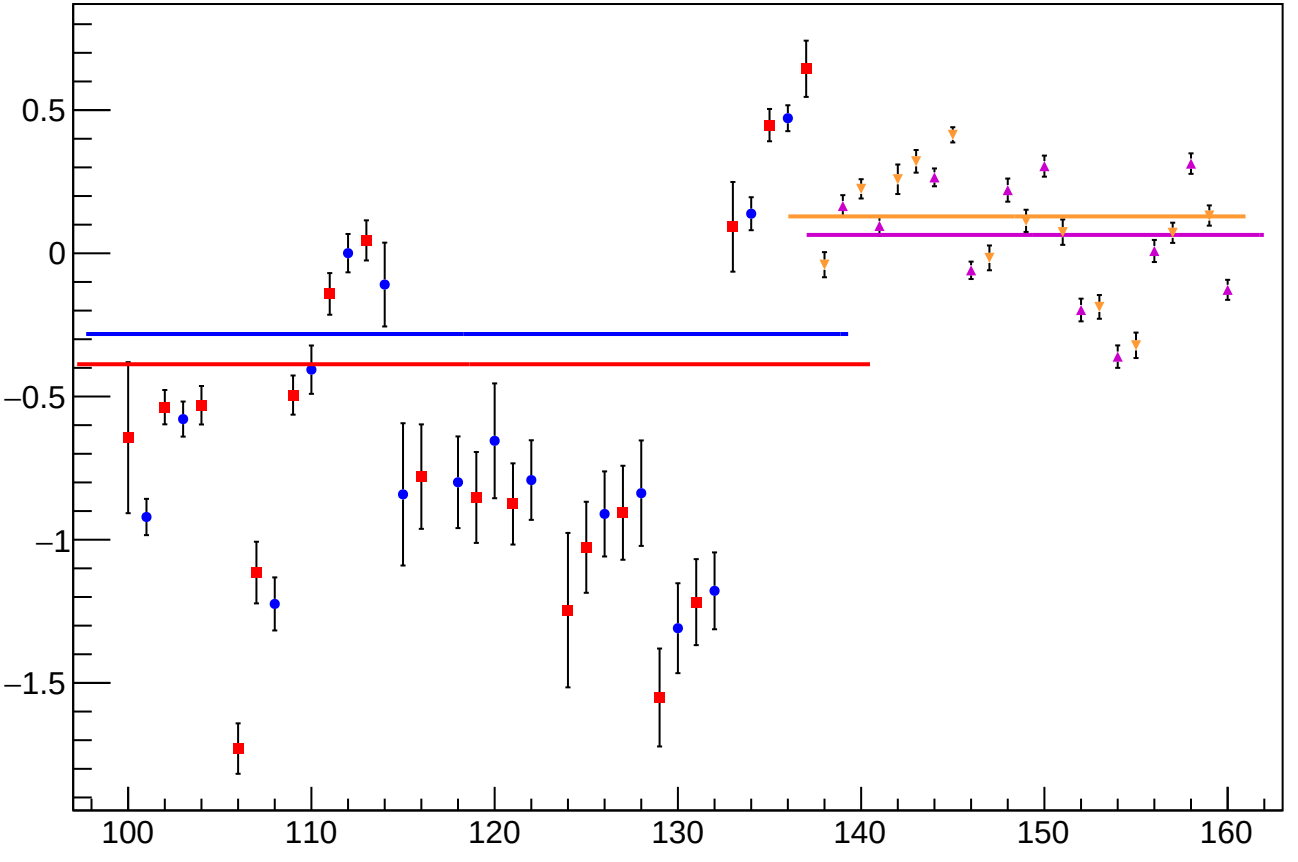
Left In: 64.245+/-0.230 χ^2/NDF:683.8/10

+ sign 63.489+/-0.203 χ^2/NDF: 4467.1/27

All: 63.049+/-0.142 χ^2/NDF: 8135.1/57

- 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: 0.129+/-0.011 χ^2/NDF:343.6/11

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

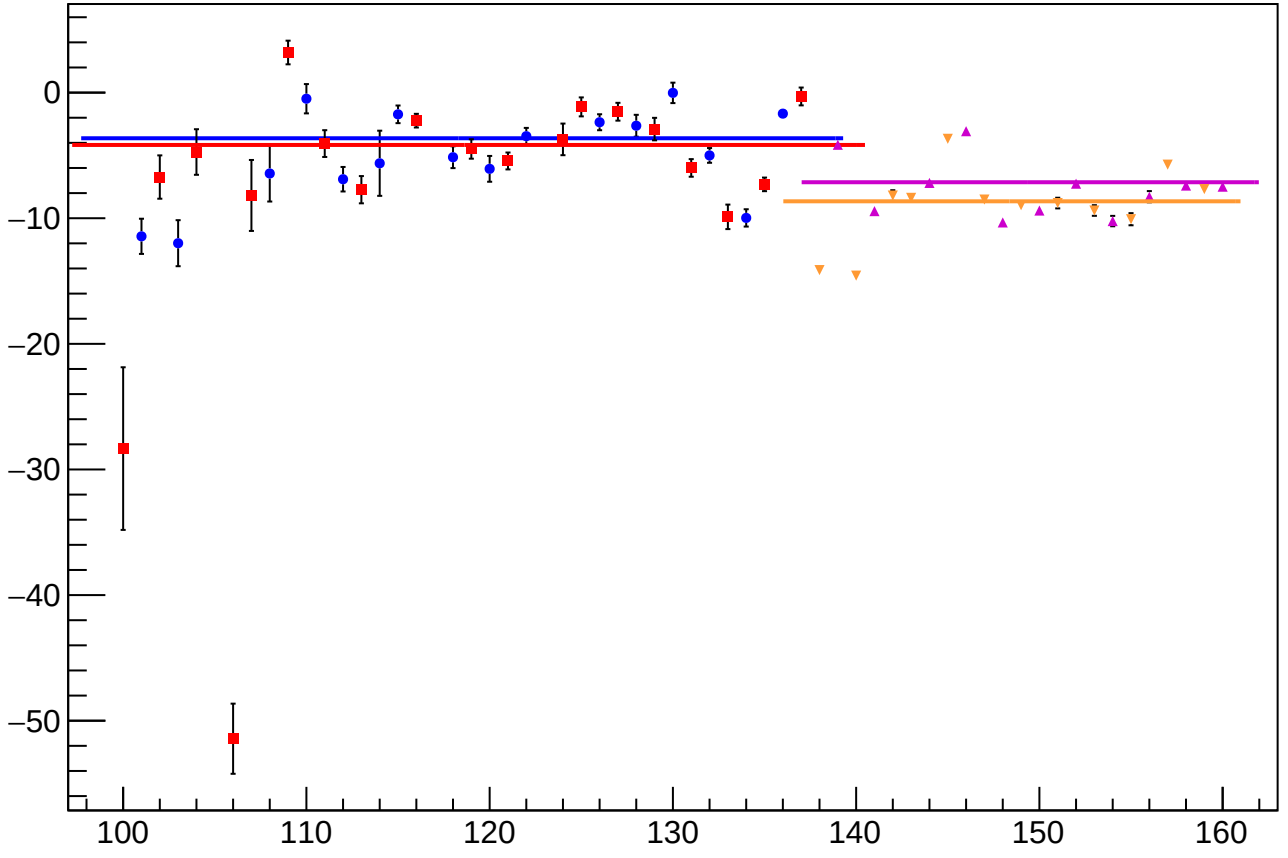
Left In: 0.064+/-0.011 χ^2/NDF:365.7/10

+ sign 0.044+/-0.010 χ^2/NDF: 1357.9/27

All: 0.010+/-0.007 χ^2/NDF: 2908.7/57

- 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: -8.653+/-0.098 χ^2/NDF:1344.6/11

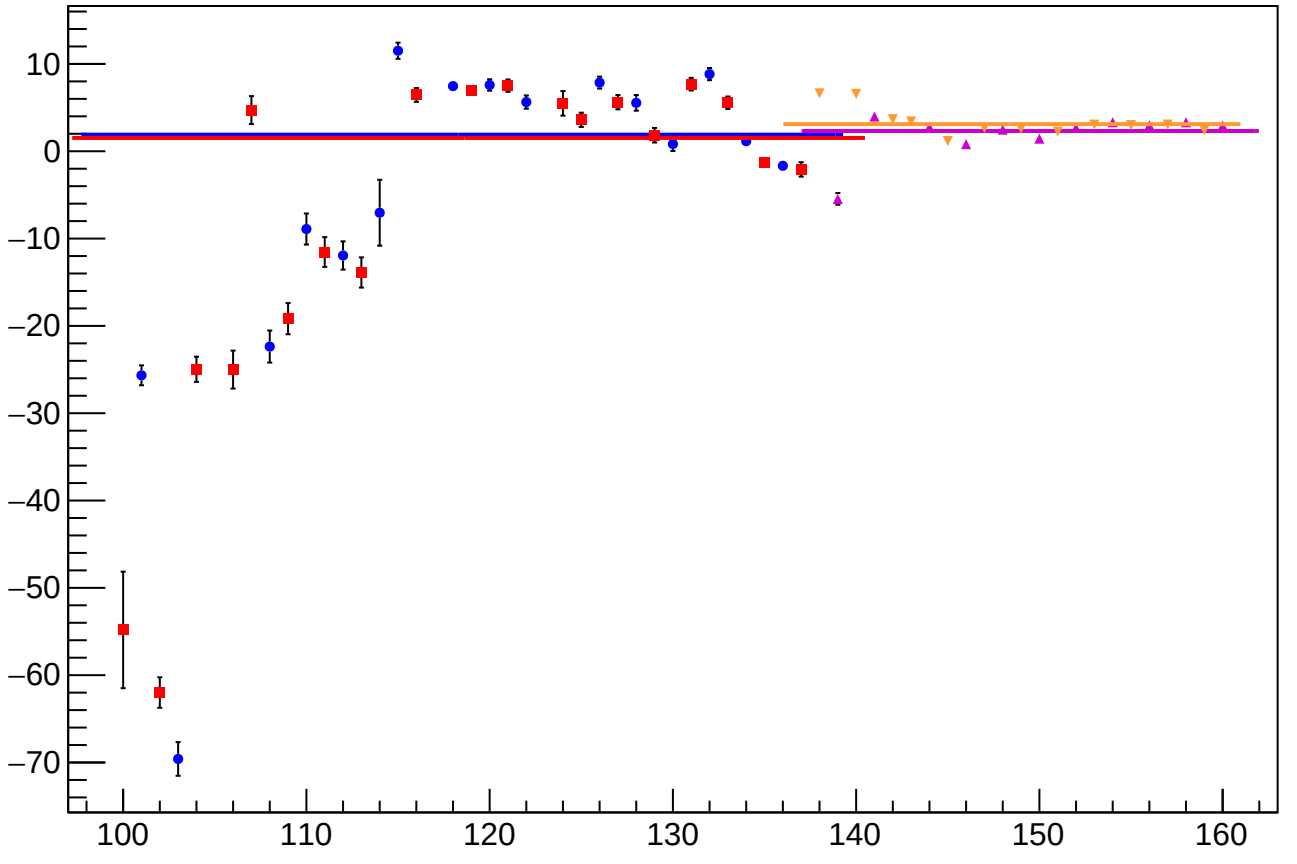
Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -7.135+/-0.097 χ^2/NDF:620.4/10

+ sign -7.587+/-0.087 χ^2/NDF: 2134.5/27

All: -7.077+/-0.062 χ^2/NDF: 3532.1/57

- sign -6.566+/-0.087 χ^2/NDF: 1329.0/29



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.105+/-0.068 χ^2/NDF:516.4/11

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

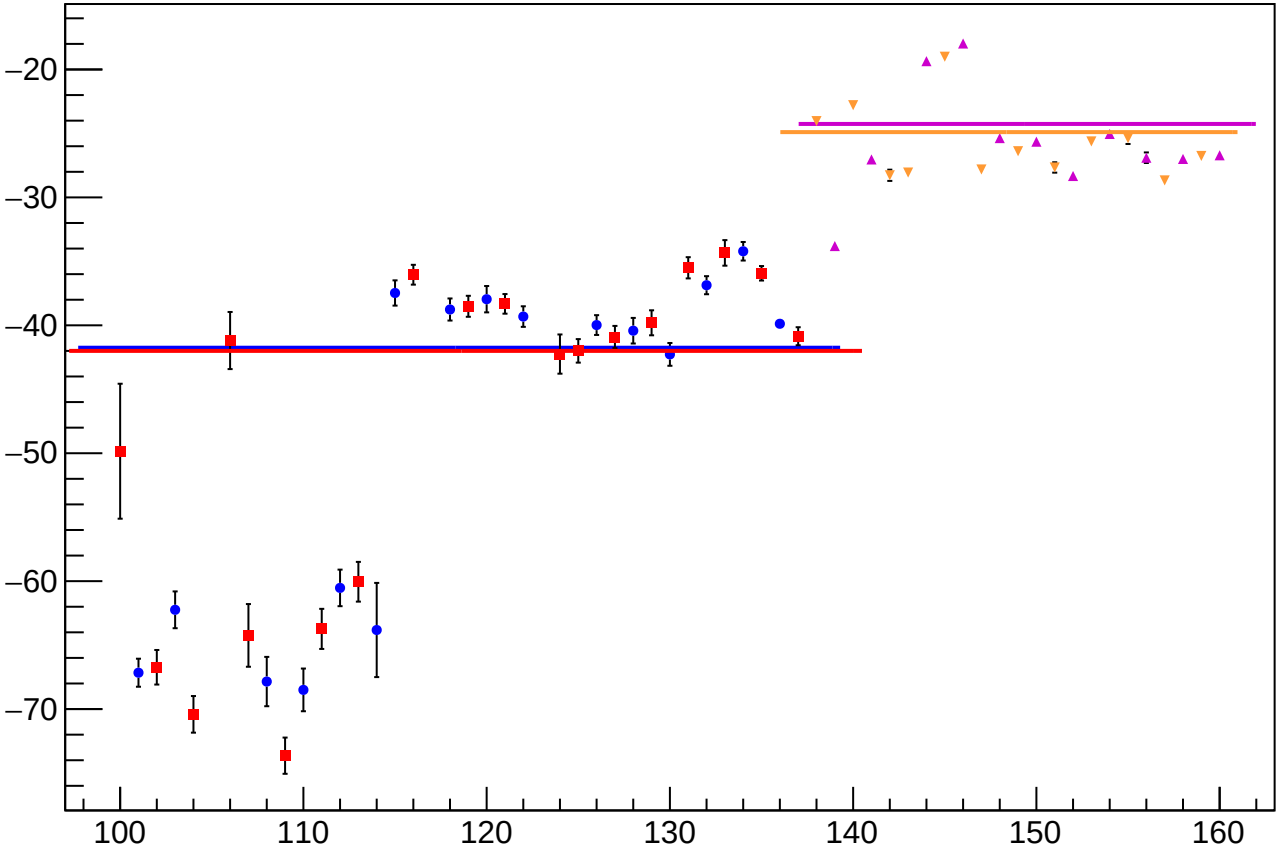
Left In: 2.321+/-0.065 χ^2/NDF:379.9/10

+ sign 2.967+/-0.064 χ^2/NDF: 3390.8/27

All: 2.598+/-0.045 χ^2/NDF: 6408.5/57

- sign 2.251+/-0.062 χ^2/NDF: 2953.0/29

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.896+/-0.097 χ^2/NDF:1209.6/11

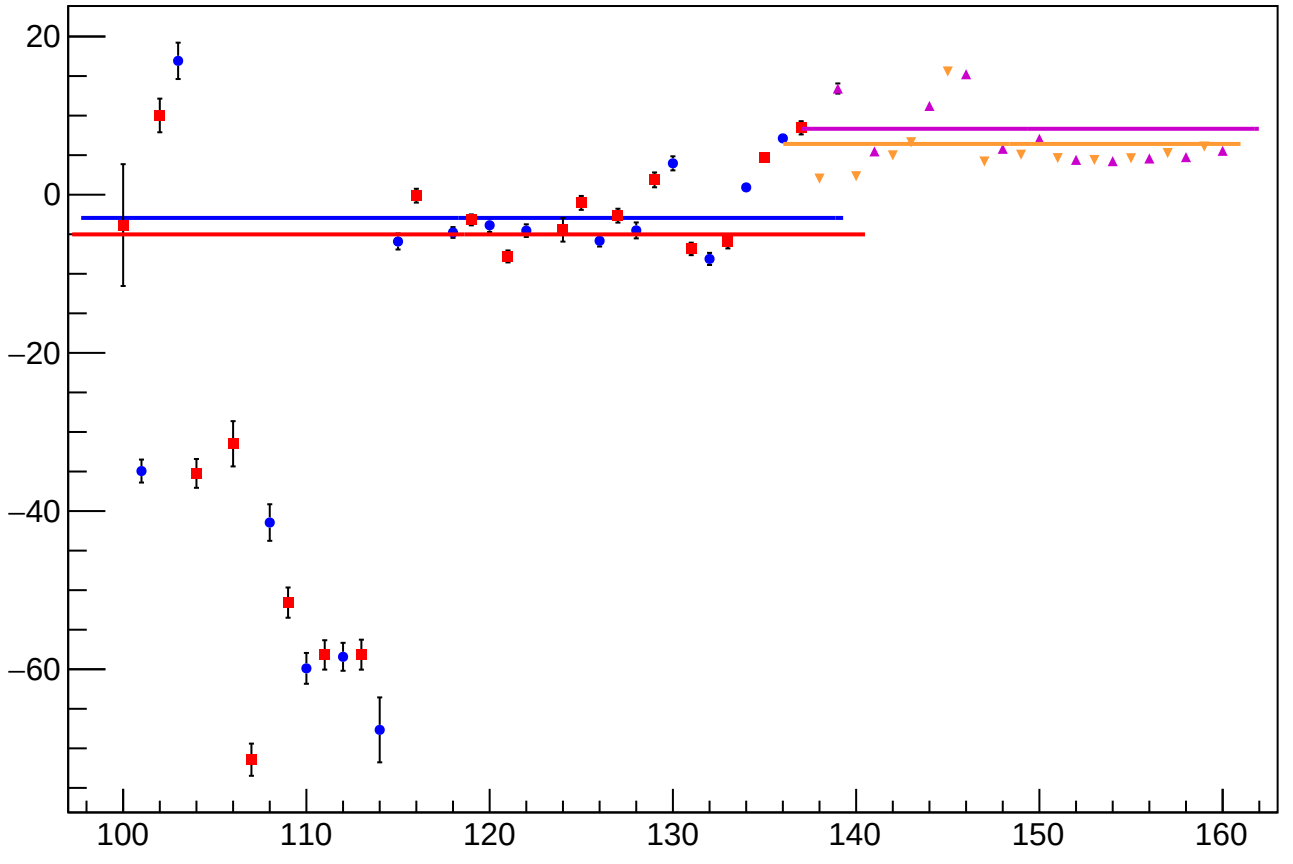
Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -24.257+/-0.094 χ^2/NDF:2259.8/10

+ sign -27.897+/-0.088 χ^2/NDF: 8260.2/27

All: -27.367+/-0.062 χ^2/NDF: 17739.0/57

- sign -26.842+/-0.087 χ^2/NDF: 9405.9/29



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.420+/-0.081 χ^2/NDF:2647.7/11

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

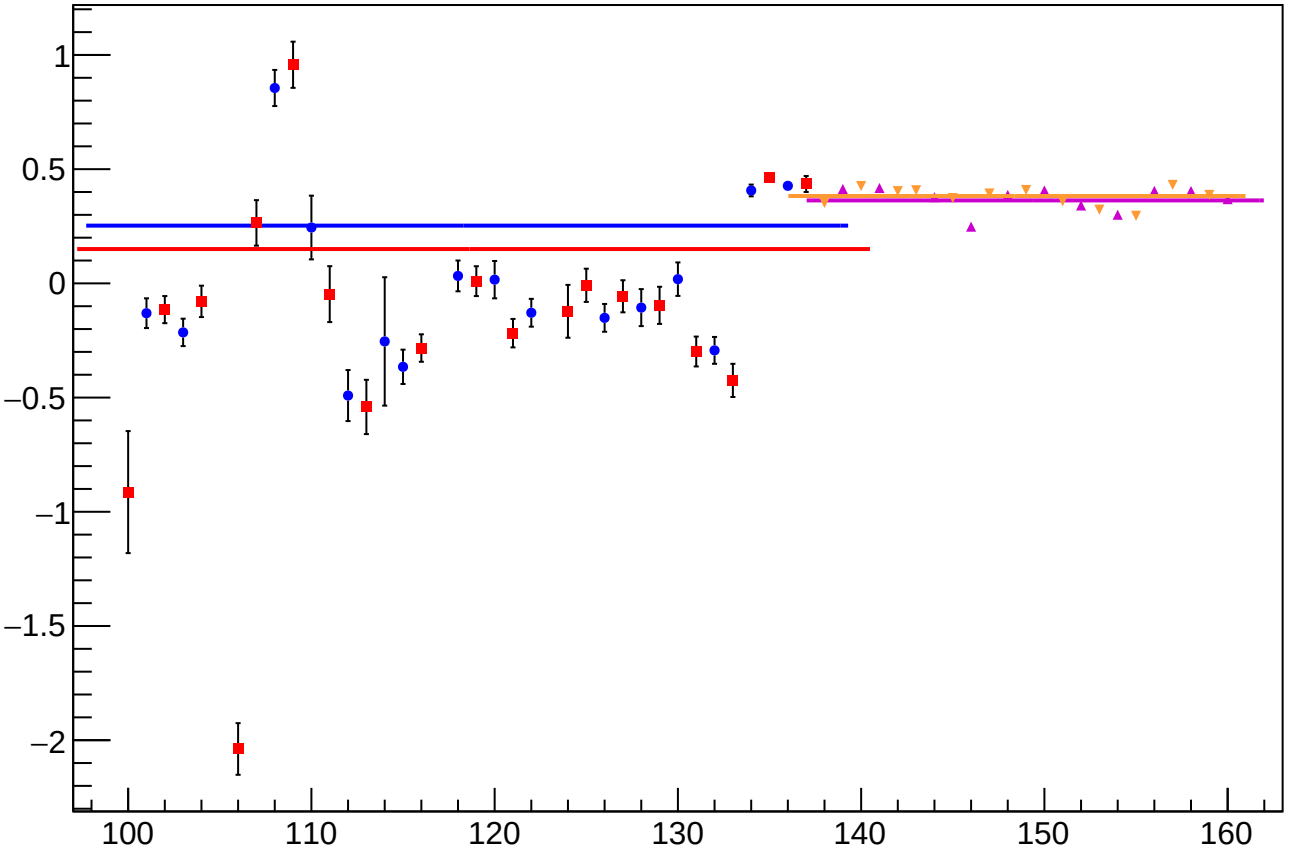
Left In: 8.333+/-0.077 χ^2/NDF:2889.3/10

+ sign 5.203+/-0.076 χ^2/NDF: 8105.8/27

All: 6.129+/-0.053 χ^2/NDF: 18649.4/57

- 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: 0.382+/-0.004 χ^2/NDF:99.3/11

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

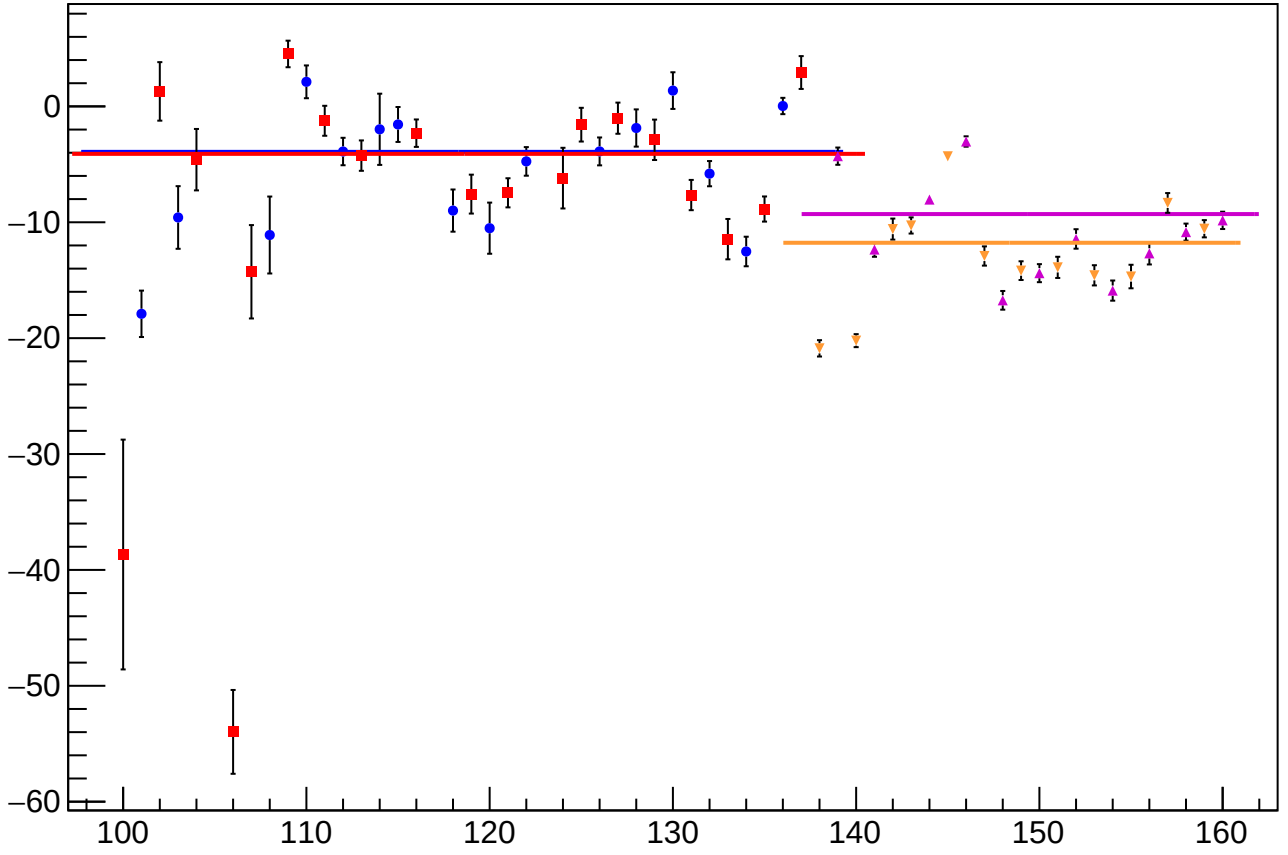
Left In: 0.363+/-0.004 χ^2/NDF:239.5/10

+ sign 0.370+/-0.004 χ^2/NDF: 845.6/27

All: 0.359+/-0.003 χ^2/NDF: 2357.8/57

- 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: -11.769+/-0.202 χ^2/NDF:812.0/11

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

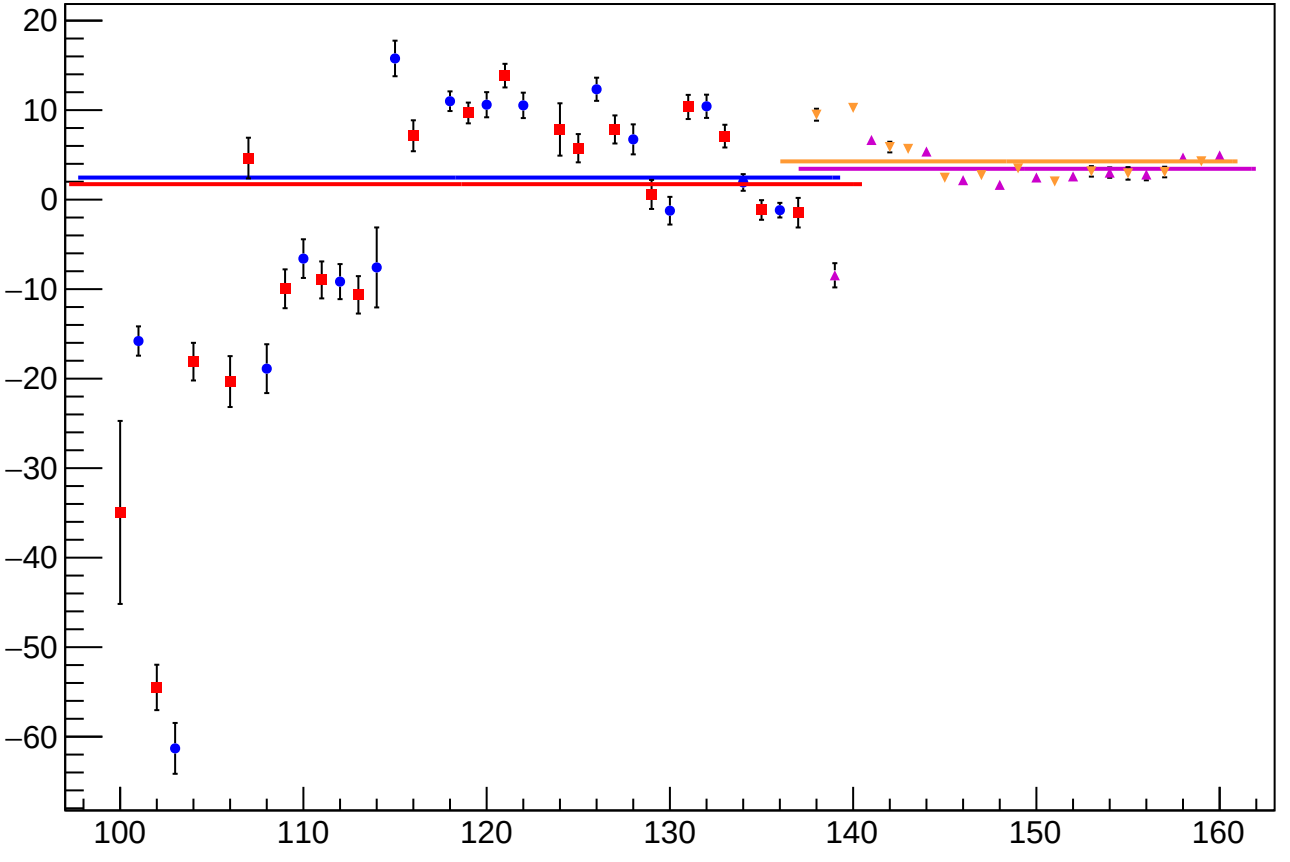
Left In: -9.292+/-0.198 χ^2/NDF:483.0/10

+ sign -9.777+/-0.174 χ^2/NDF: 1384.3/27

All: -8.917+/-0.123 χ^2/NDF: 2444.7/57

- 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: 4.273+/-0.141 χ^2/NDF:326.8/11

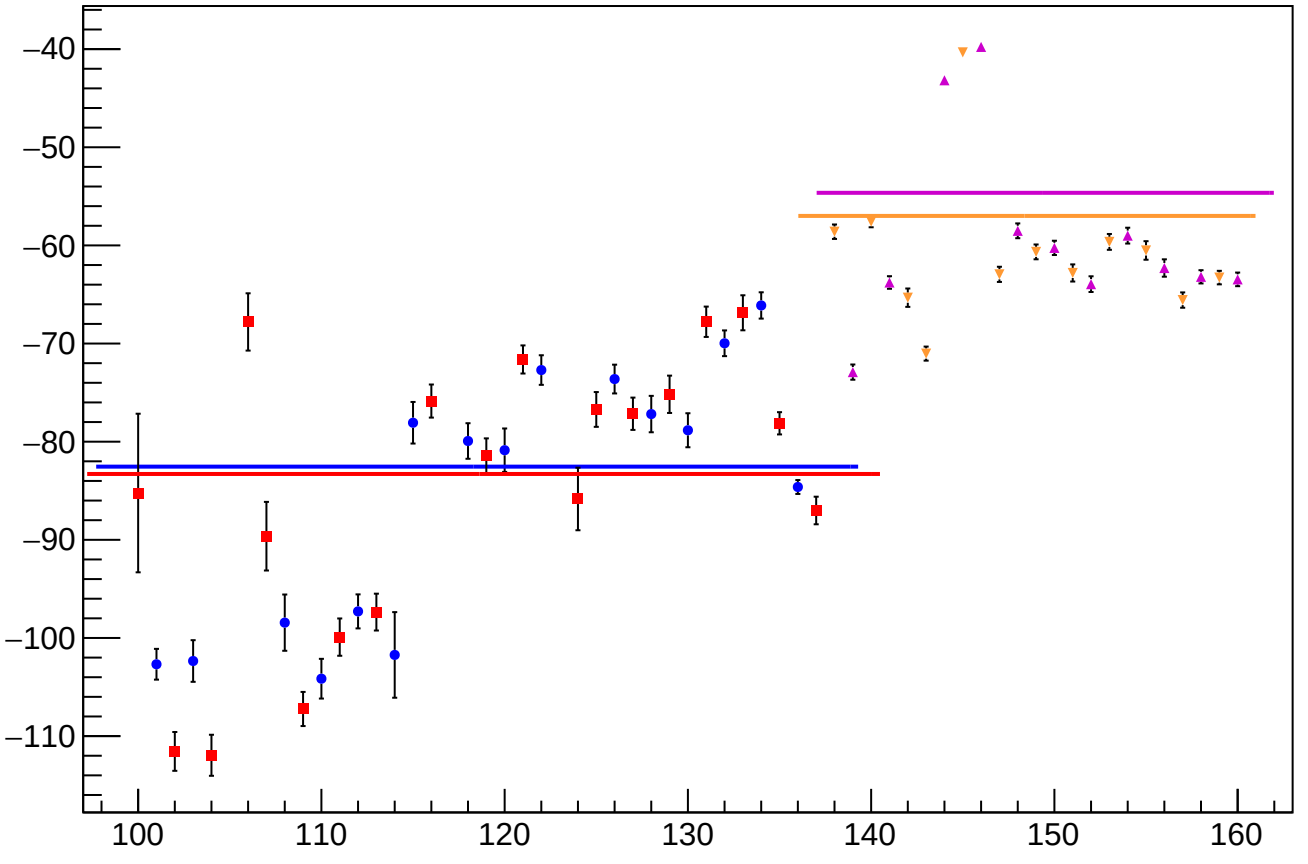
Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.445+/-0.132 χ^2/NDF:233.0/10

+ sign 4.027+/-0.131 χ^2/NDF: 1395.7/27

All: 3.627+/-0.091 χ^2/NDF: 2647.1/57

- sign 3.264+/-0.125 χ^2/NDF: 1233.8/29



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -56.995+/-0.199 χ^2/NDF:2504.3/11

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

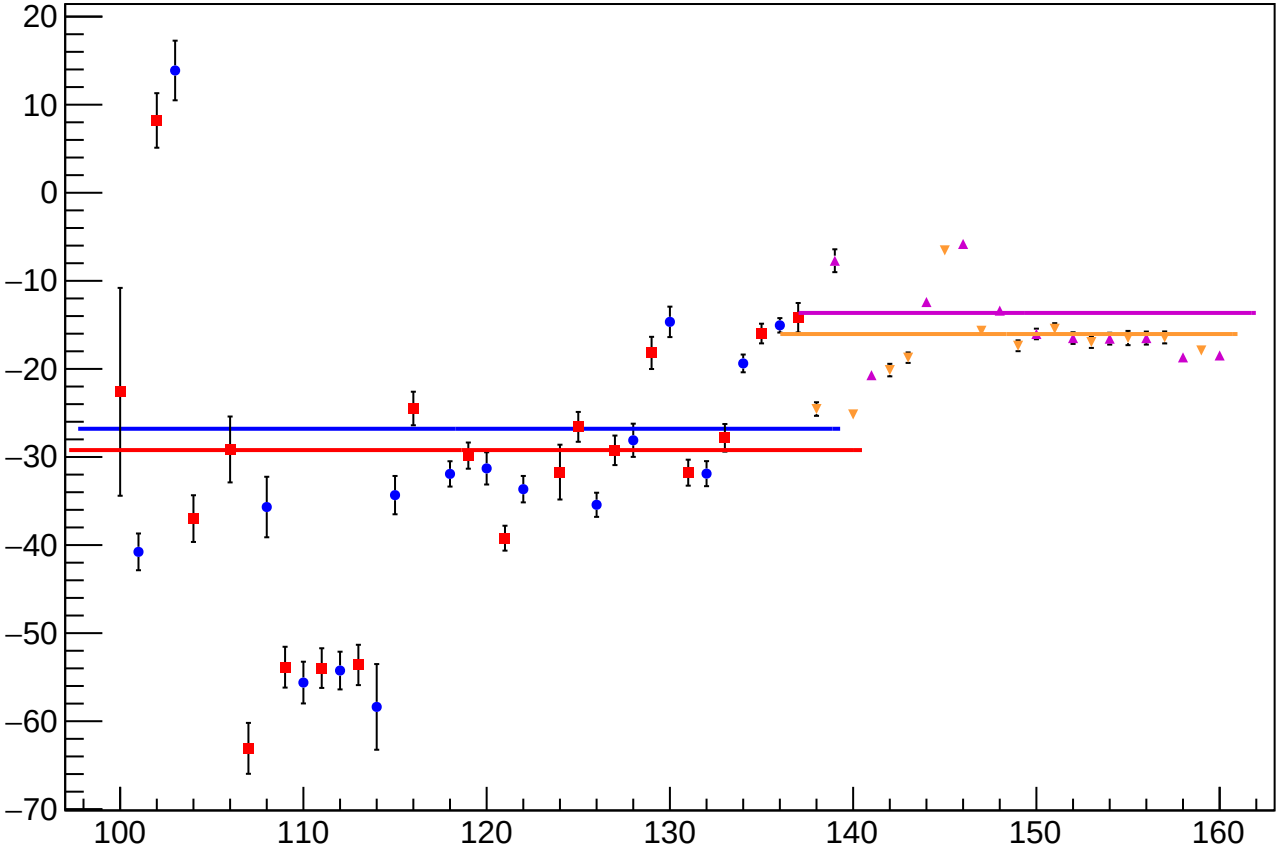
Left In: -54.641+/-0.193 χ^2/NDF:3262.0/10

+ sign -62.417+/-0.177 χ^2/NDF: 6824.1/27

All: -61.069+/-0.124 χ^2/NDF: 15222.8/57

- 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: -16.040+/-0.168 χ^2/NDF:1133.6/11

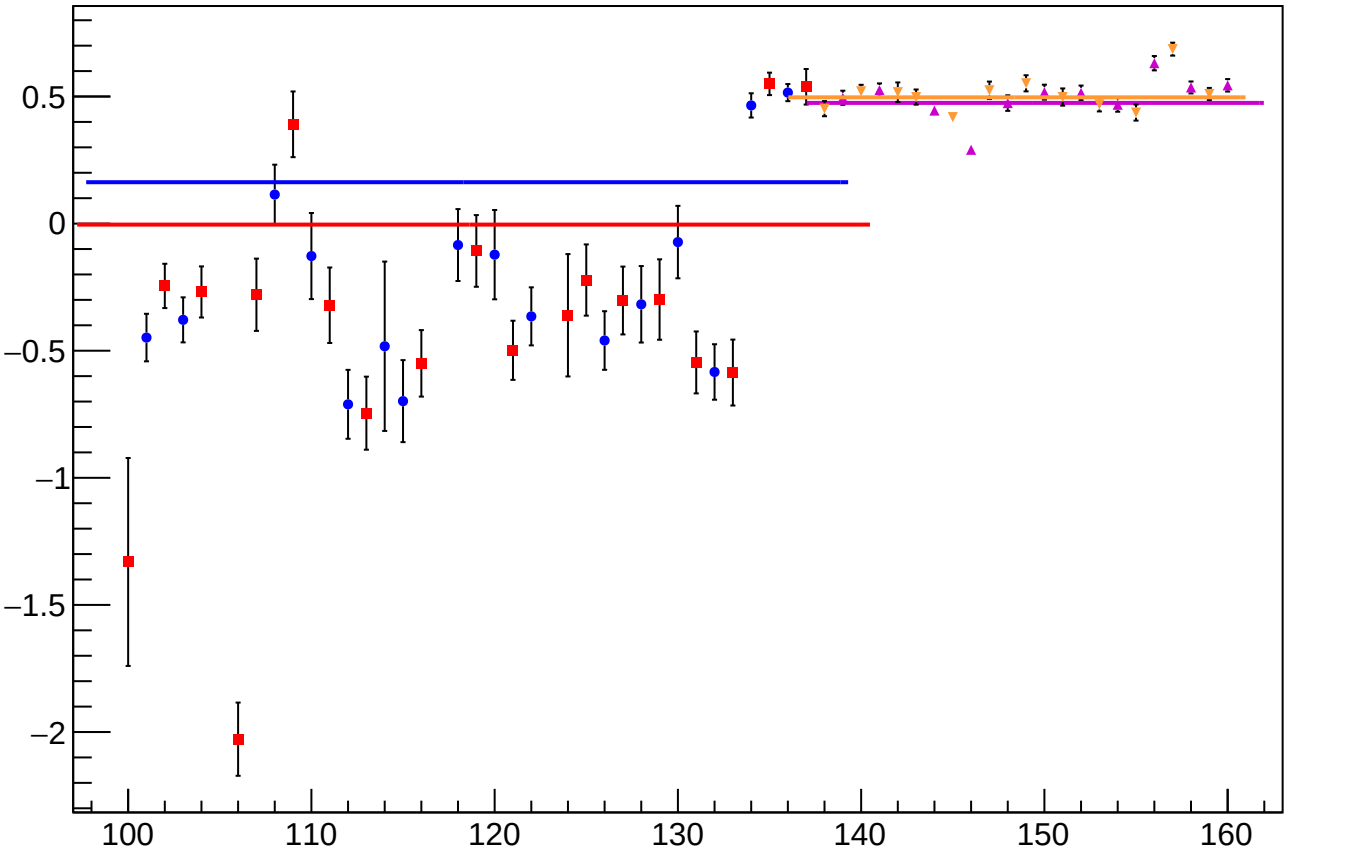
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -13.643+/-0.158 χ^2/NDF:1002.0/10

+ sign -17.685+/-0.155 χ^2/NDF: 2723.3/27

All: -16.539+/-0.107 χ^2/NDF: 5941.7/57

- sign -15.486+/-0.148 χ^2/NDF: 3113.2/29



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.497+/-0.008 χ^2/NDF:90.5/11

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

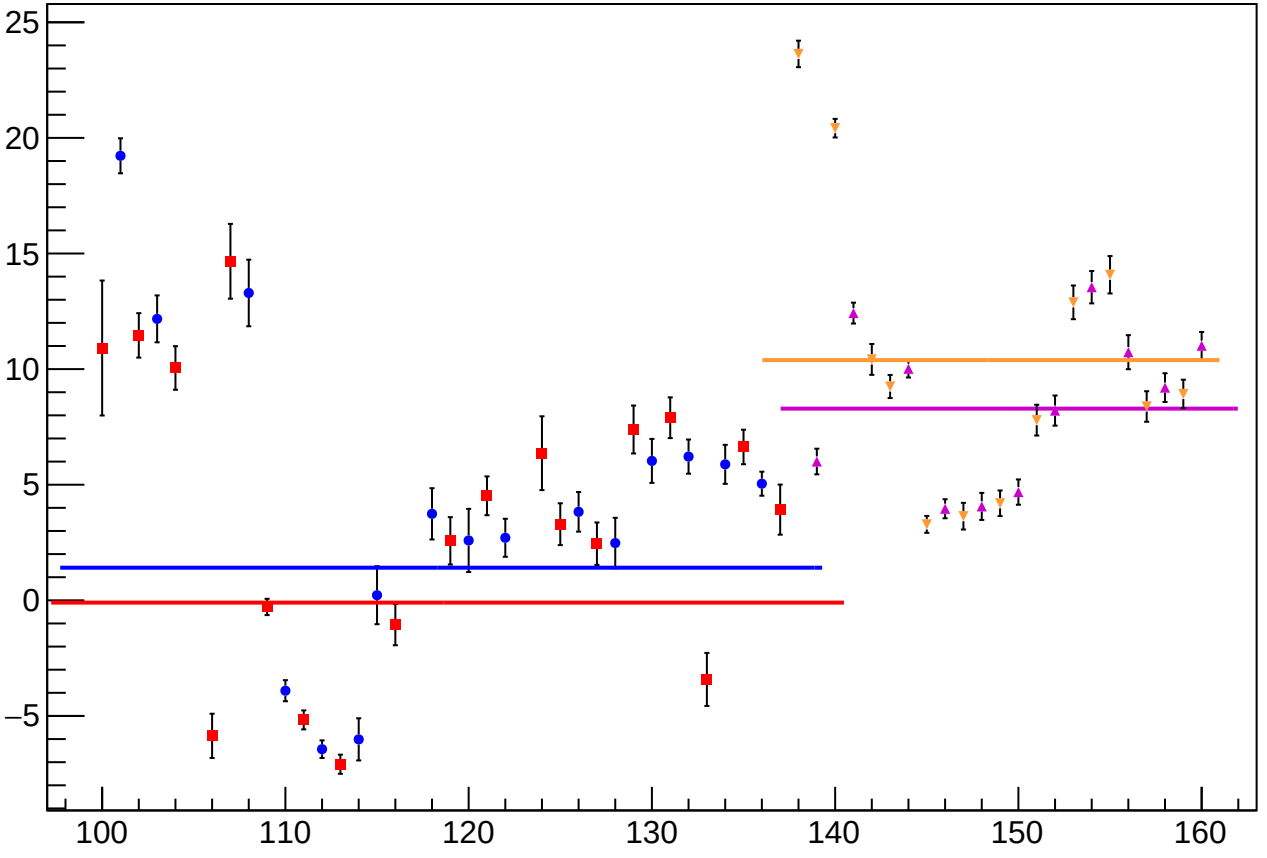
Left In: 0.475+/-0.008 χ^2/NDF:152.9/10

+ sign 0.458+/-0.007 χ^2/NDF: 728.1/27

All: 0.445+/-0.005 χ^2/NDF: 1811.5/57

- 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: 10.389+/-0.158 χ^2/NDF:1861.1/11

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

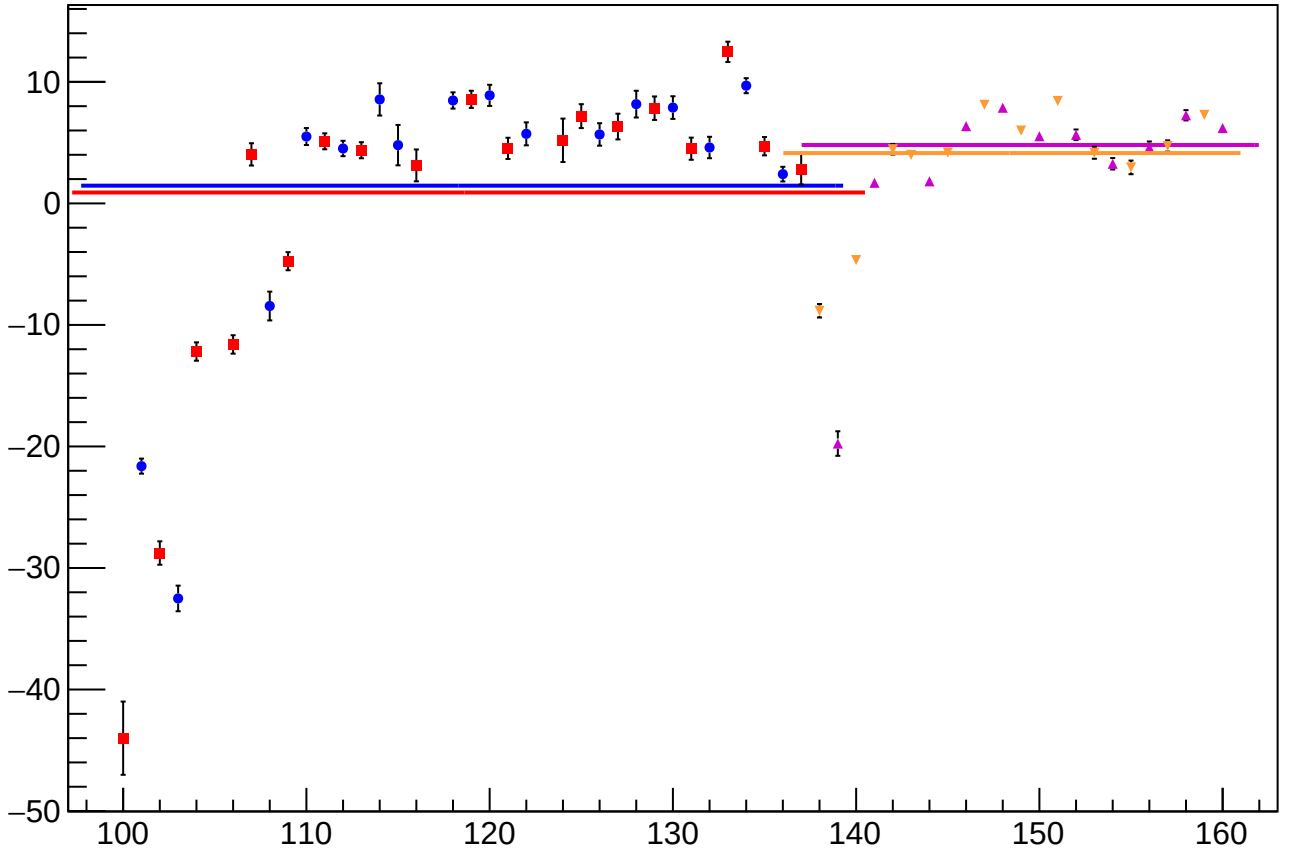
Left In: 8.291+/-0.160 χ^2/NDF:418.4/10

+ sign 6.544+/-0.120 χ^2/NDF: 4757.6/27

All: 5.374+/-0.083 χ^2/NDF: 7819.1/57

- 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: 4.142+/-0.109 χ^2/NDF:1704.2/11

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

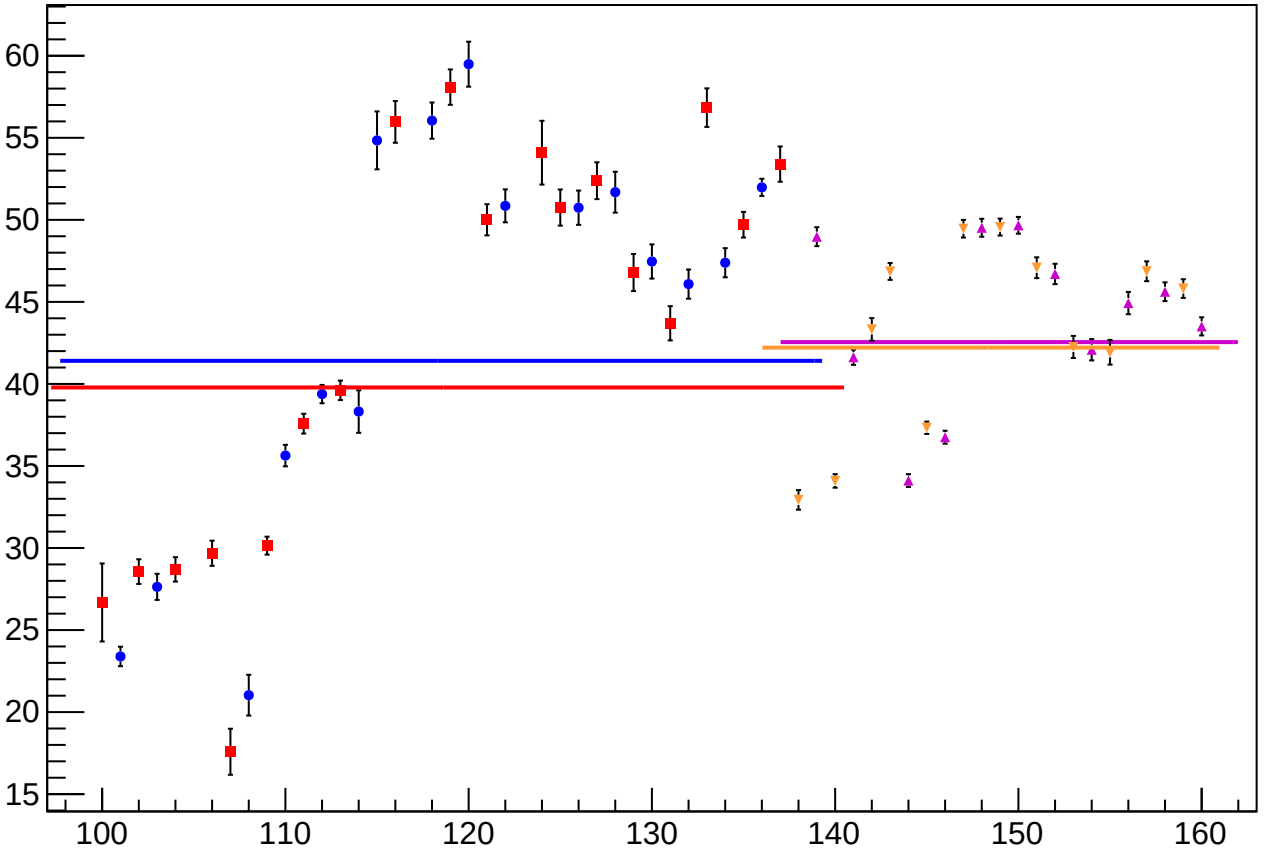
Left In: 4.806+/-0.107 χ^2/NDF:1023.6/10

+ sign 3.542+/-0.096 χ^2/NDF: 4919.5/27

All: 3.747+/-0.068 χ^2/NDF: 8621.1/57

- 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: 42.214+/-0.156 χ^2/NDF:1419.7/11

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

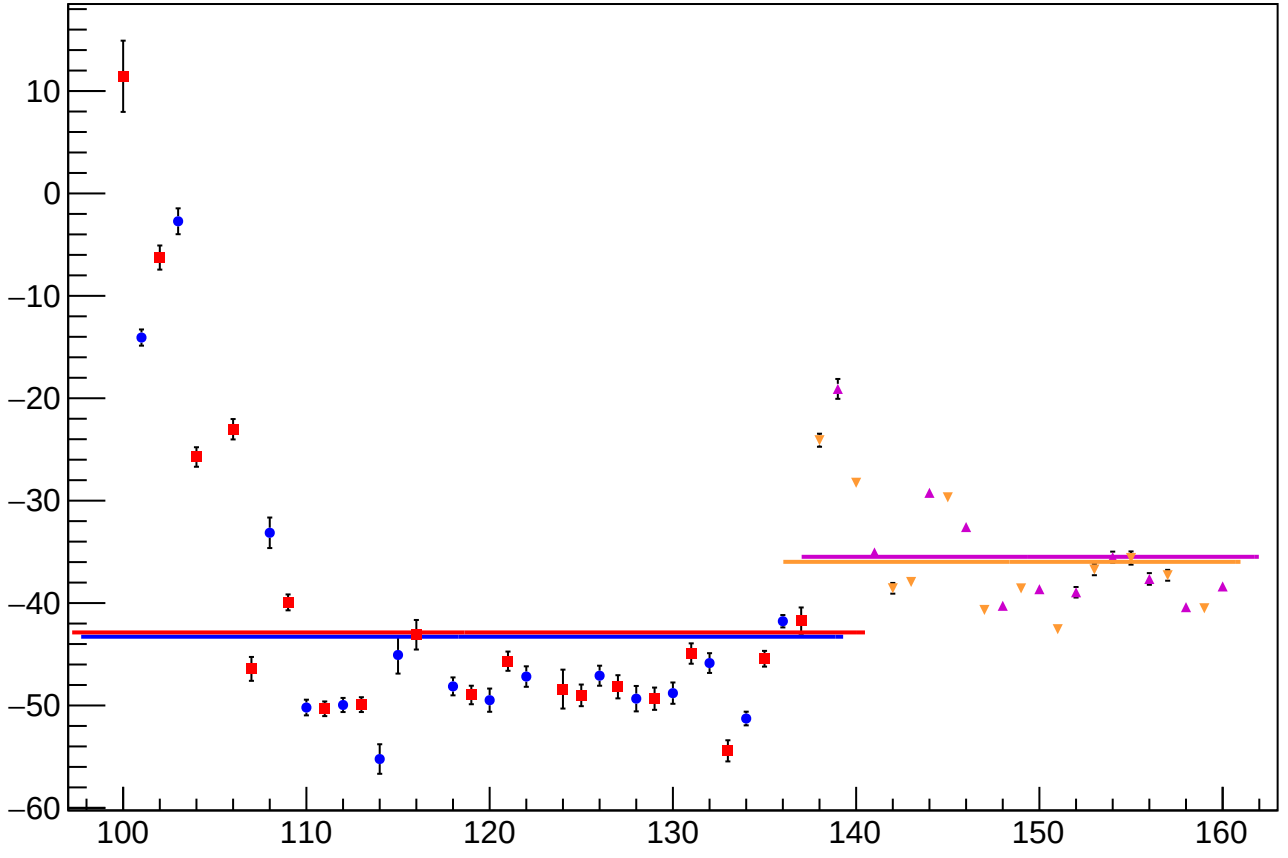
Left In: 42.549+/-0.156 χ^2/NDF:1259.0/10

+ sign 41.928+/-0.125 χ^2/NDF: 4175.2/27

All: 41.723+/-0.088 χ^2/NDF: 8210.2/57

- 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: -35.974+/-0.131 χ^2/NDF:1617.5/11

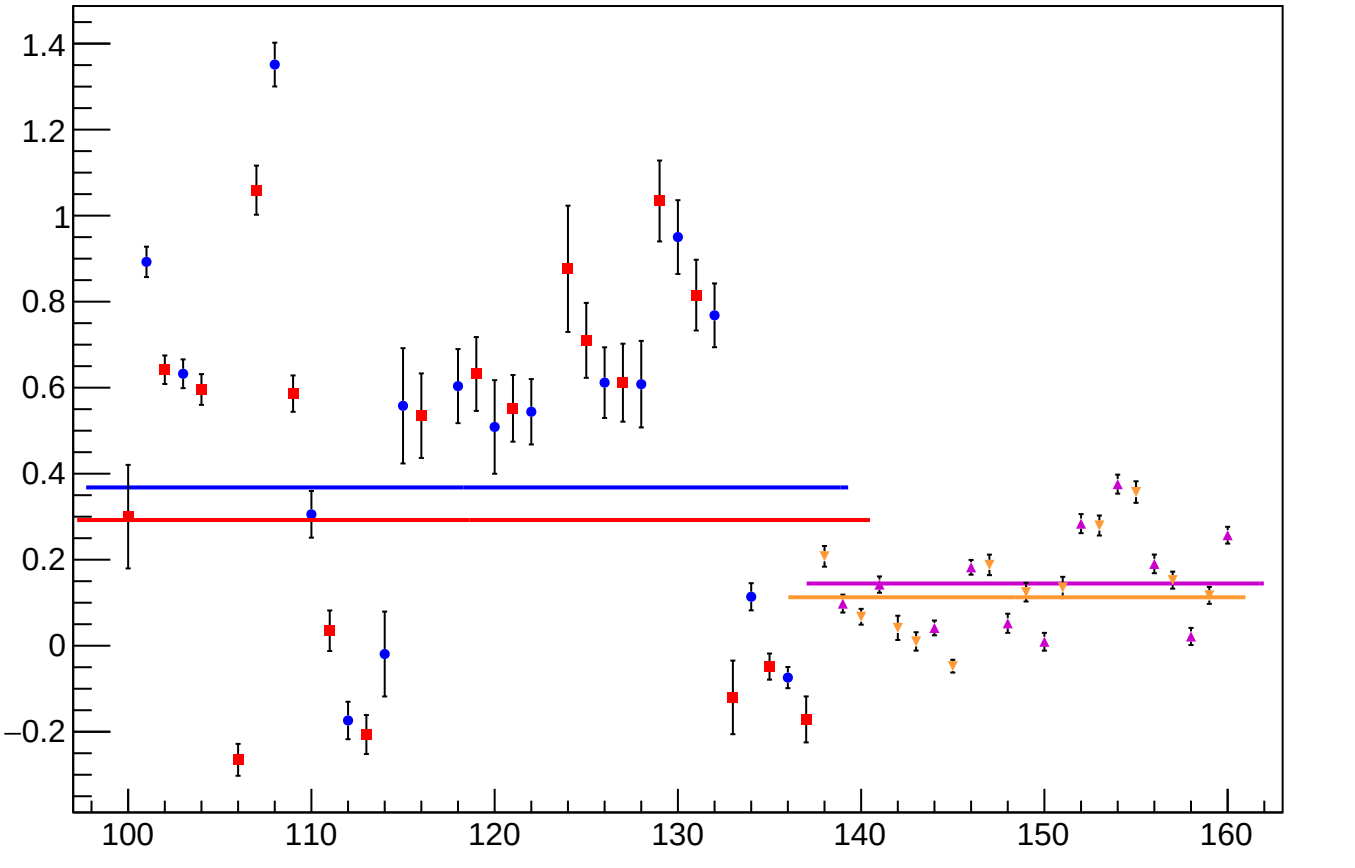
Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -35.482+/-0.128 χ^2/NDF:1184.2/10

+ sign -37.770+/-0.114 χ^2/NDF: 5369.4/27

All: -37.500+/-0.080 χ^2/NDF: 9811.2/57

- sign -37.239+/-0.112 χ^2/NDF: 4430.8/29



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.113+/-0.006 χ^2/NDF:328.3/11

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

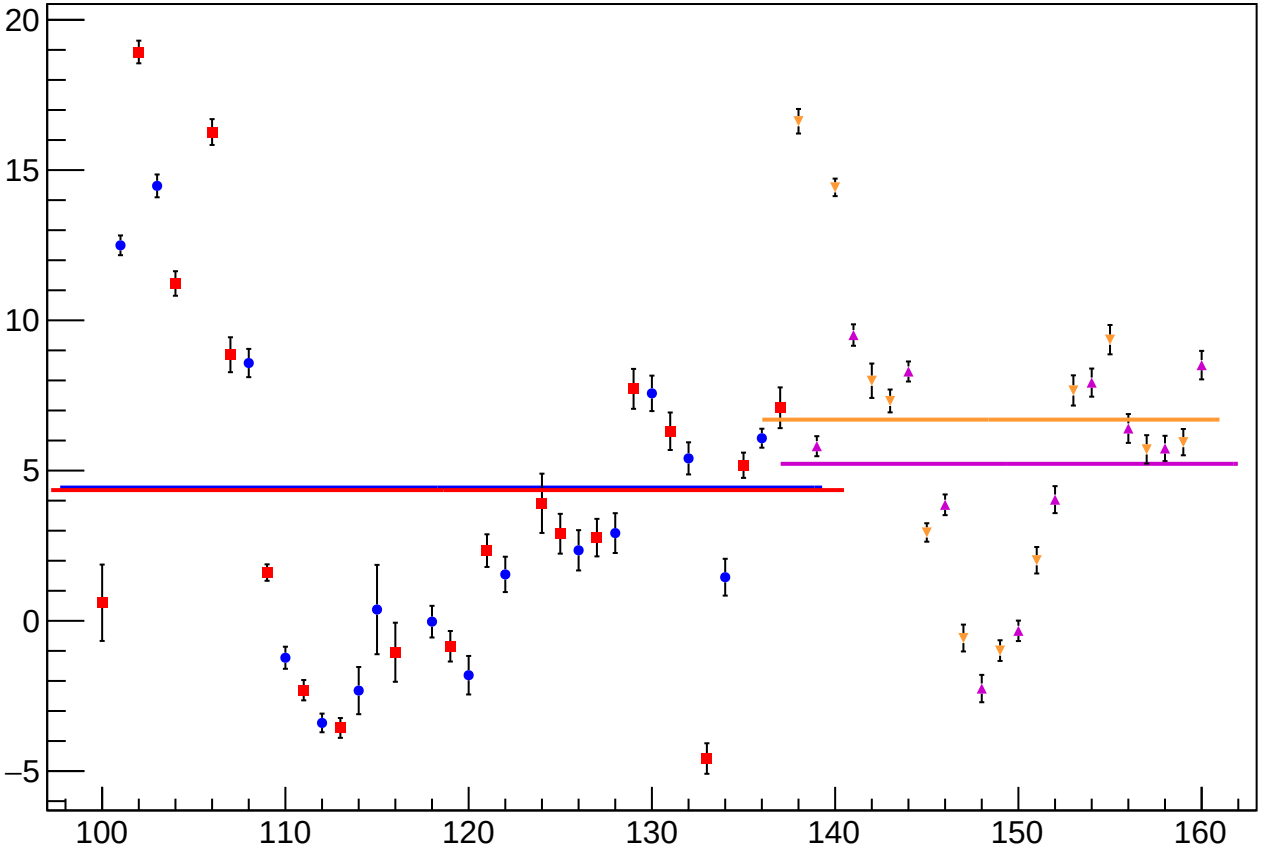
Left In: 0.145+/-0.006 χ^2/NDF:330.9/10

+ sign 0.164+/-0.005 χ^2/NDF: 1999.2/27

All: 0.169+/-0.004 χ^2/NDF: 3650.2/57

- 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: 6.696+/-0.116 χ^2/NDF:2367.8/11

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

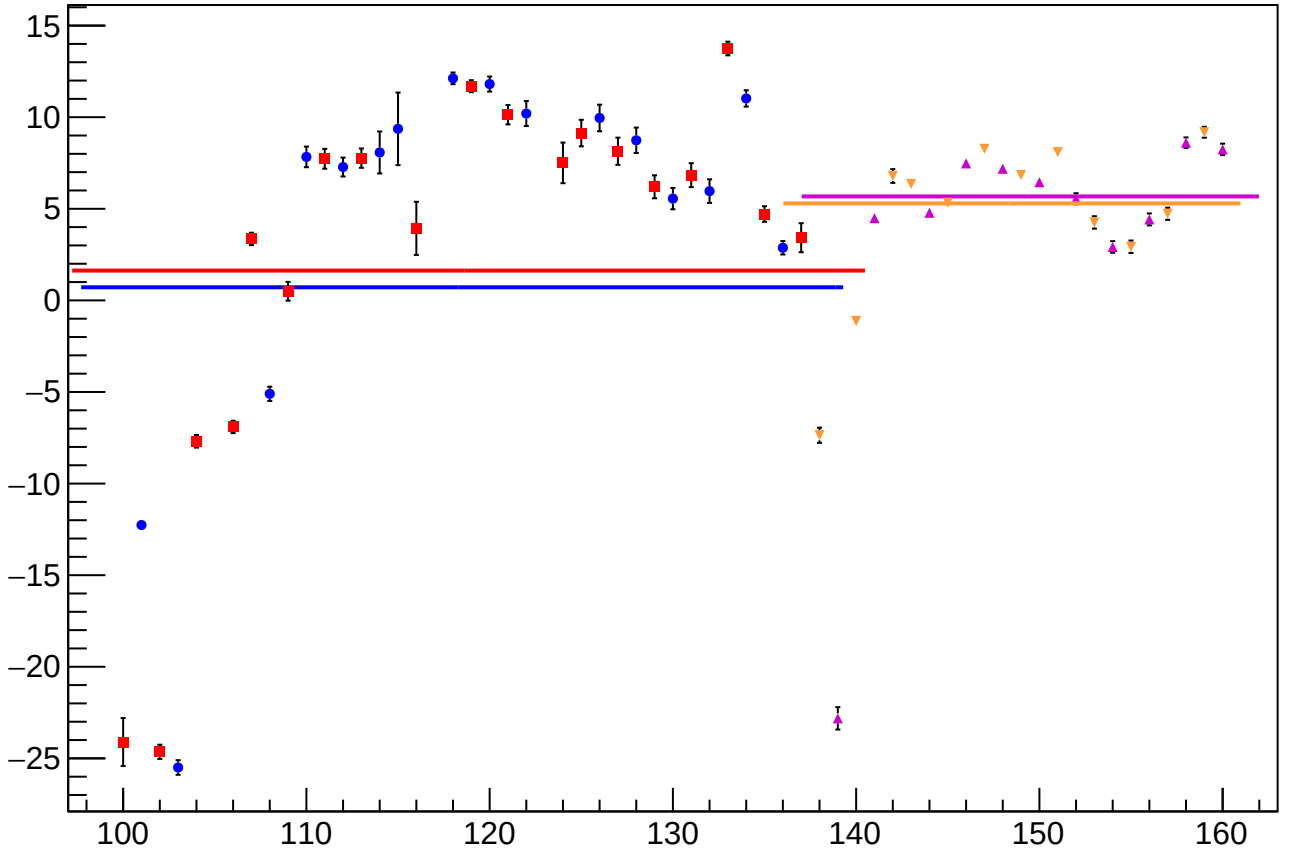
Left In: 5.225+/-0.118 χ^2/NDF:880.7/10

+ sign 5.578+/-0.082 χ^2/NDF: 5178.9/27

All: 5.155+/-0.057 χ^2/NDF: 10346.0/57

- 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: 5.293+/-0.080 χ^2/NDF:2269.5/11

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

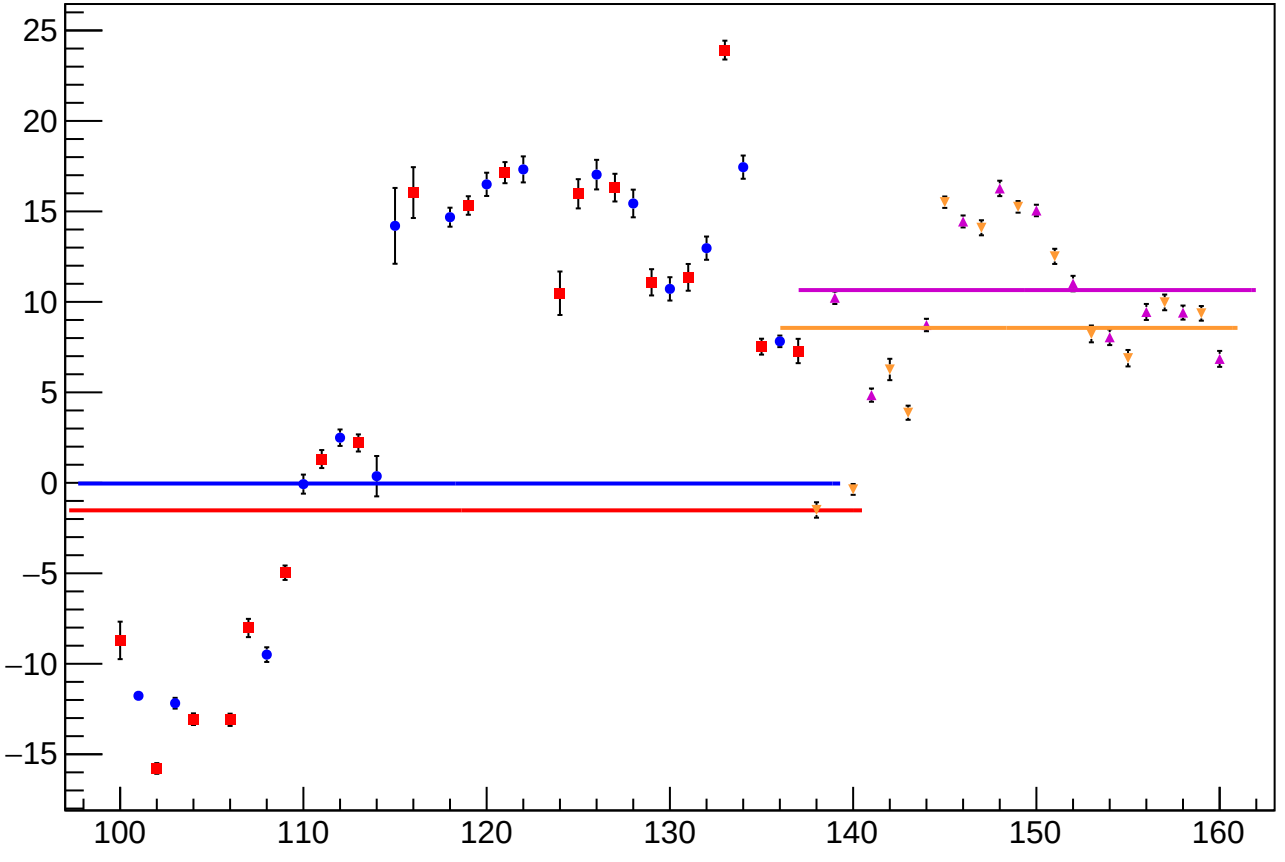
Left In: 5.674+/-0.082 χ^2/NDF:2597.2/10

+ sign 3.814+/-0.066 χ^2/NDF: 13779.2/27

All: 4.030+/-0.047 χ^2/NDF: 26513.3/57

- 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: 8.562+/-0.113 χ^2/NDF:2813.9/11

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

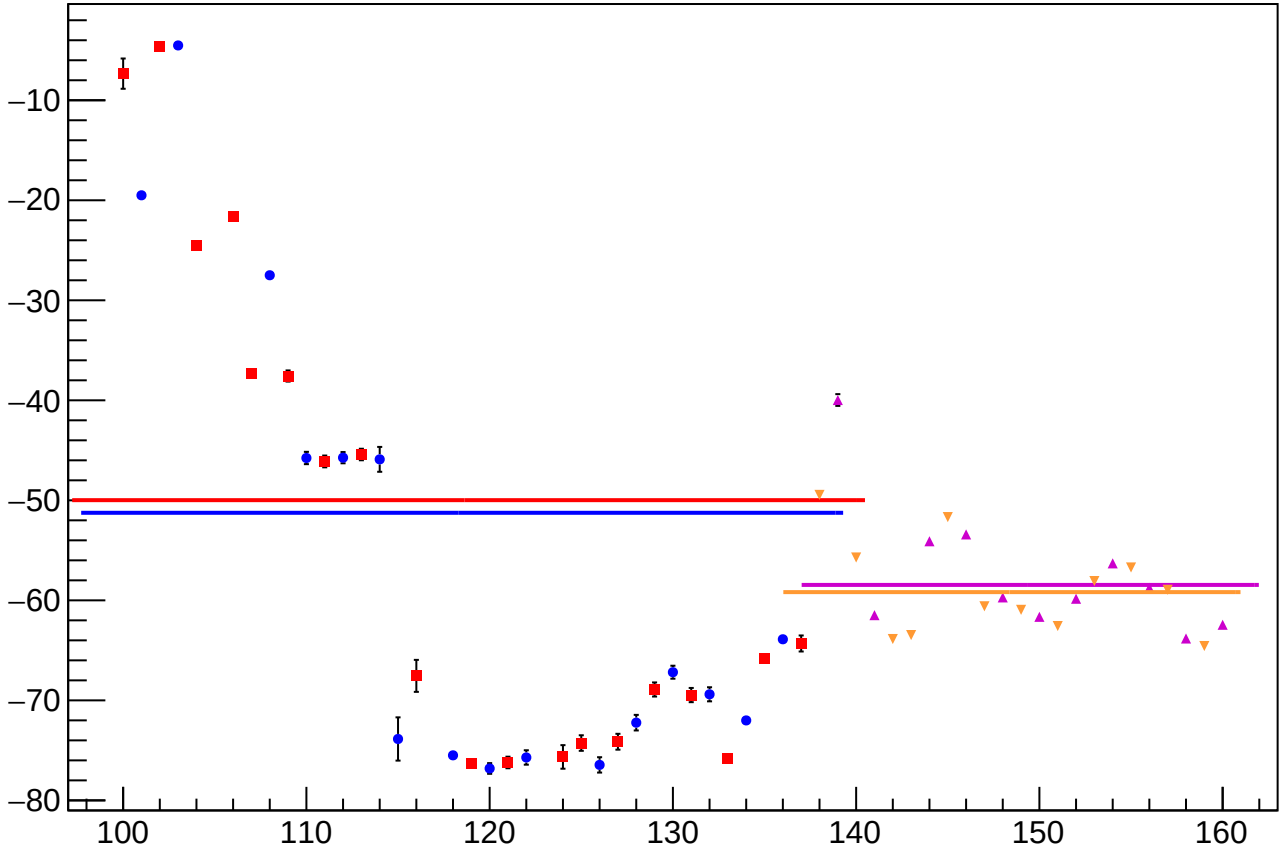
Left In: 10.652+/-0.114 χ^2/NDF:909.9/10

+ sign 4.491+/-0.082 χ^2/NDF: 14822.4/27

All: 4.548+/-0.058 χ^2/NDF: 33492.2/57

- 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: -59.177+/-0.095 χ^2/NDF:2043.5/11

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

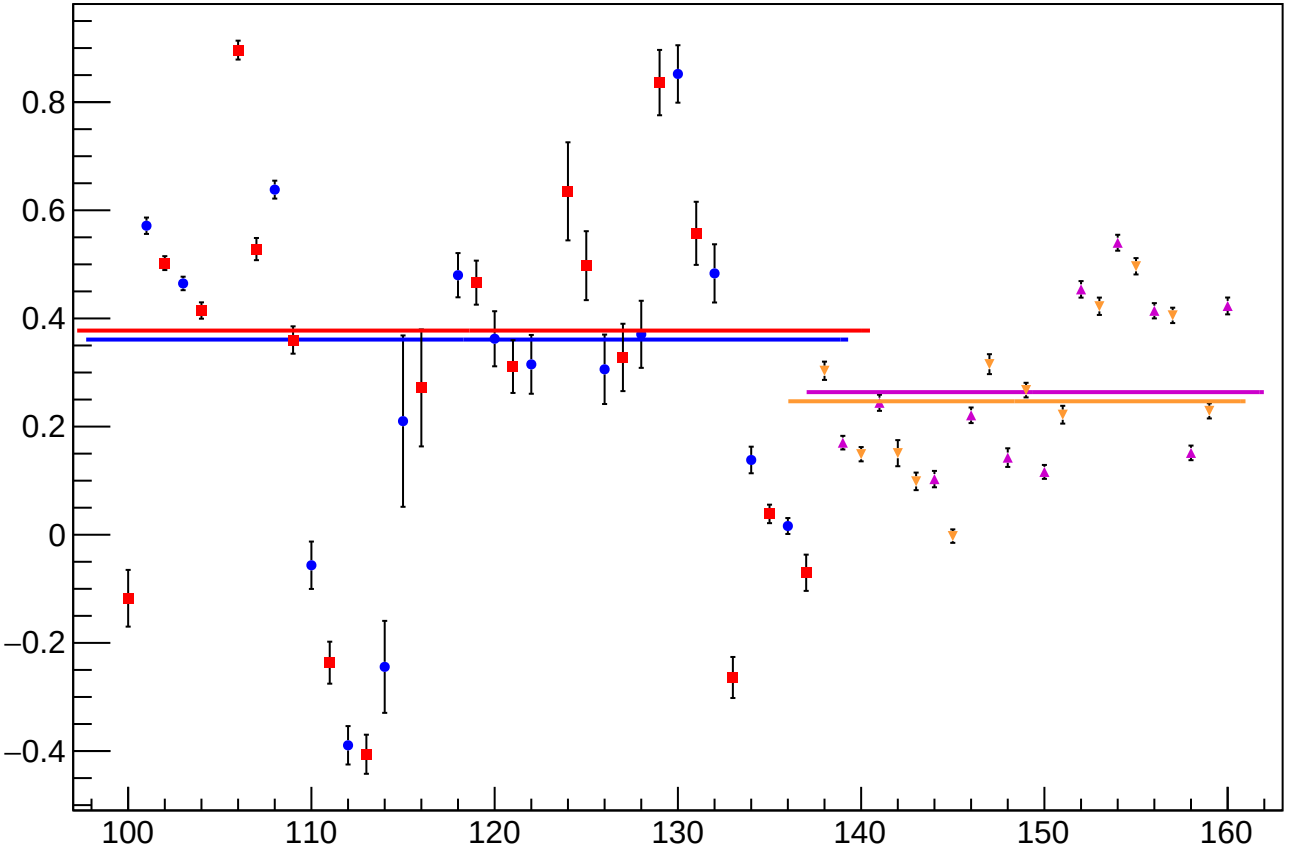
Left In: -58.457+/-0.096 χ^2/NDF:2355.7/10

+ sign -56.553+/-0.078 χ^2/NDF: 38092.5/27

All: -56.009+/-0.055 χ^2/NDF: 77160.6/57

- sign -55.471+/-0.078 χ^2/NDF: 38971.5/29

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.247+/-0.004 χ^2/NDF:1102.9/11

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

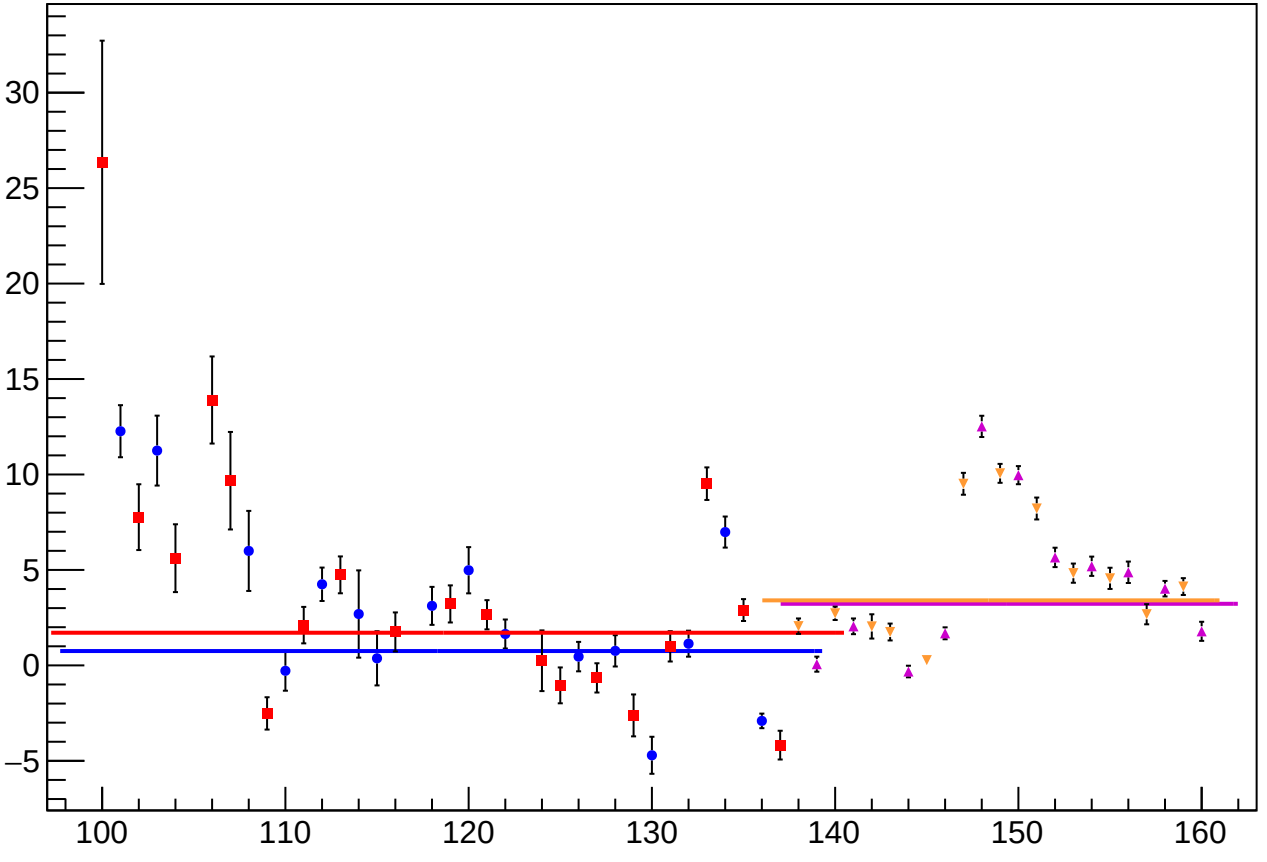
Left In: 0.264+/-0.004 χ^2/NDF:1152.7/10

+ sign 0.284+/-0.004 χ^2/NDF: 3180.4/27

All: 0.293+/-0.003 χ^2/NDF: 7366.7/57

- 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: 3.406+/-0.127 χ^2/NDF:555.9/11

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

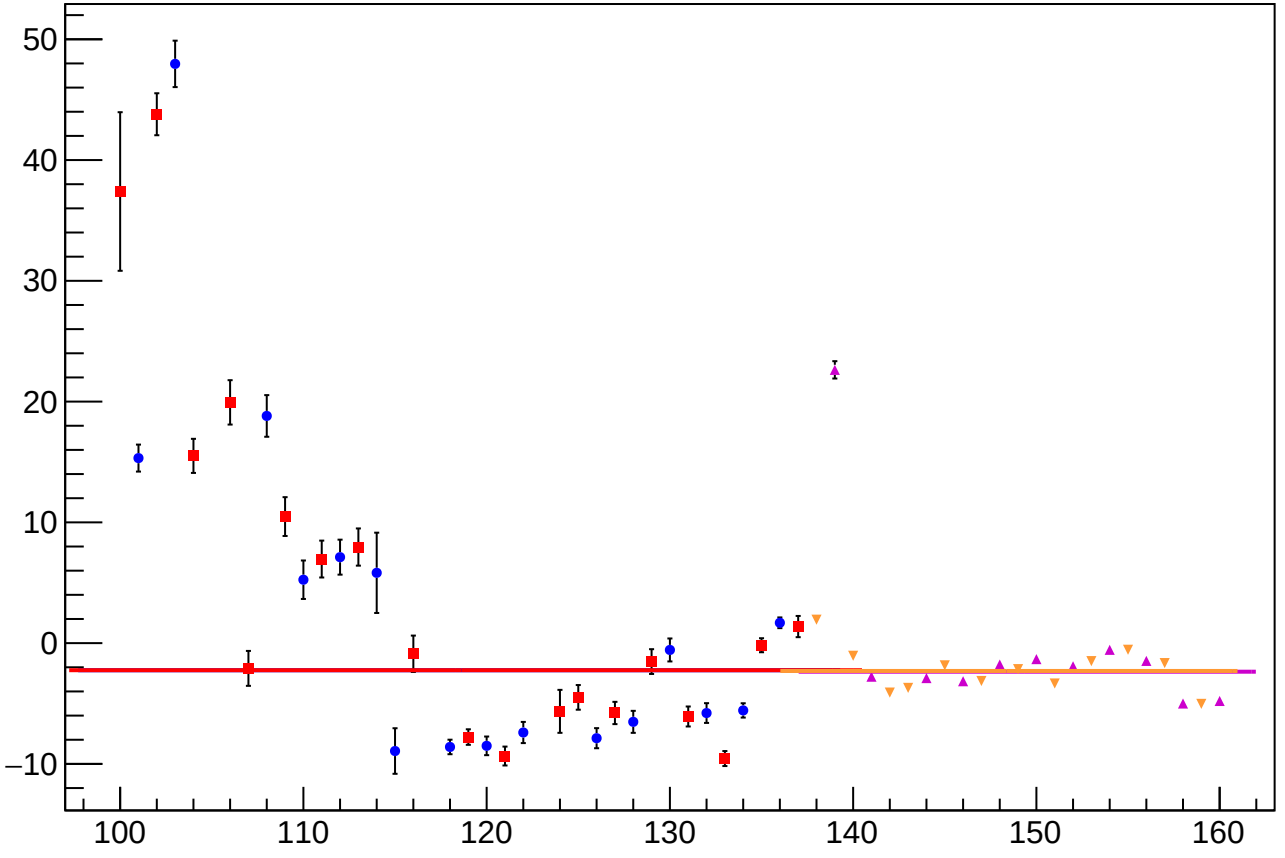
Left In: 3.226+/-0.127 χ^2/NDF:771.7/10

+ sign 2.710+/-0.109 χ^2/NDF: 1001.2/27

All: 2.781+/-0.077 χ^2/NDF: 2102.5/57

- 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: -2.304+/-0.090 χ^2/NDF:310.7/11

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

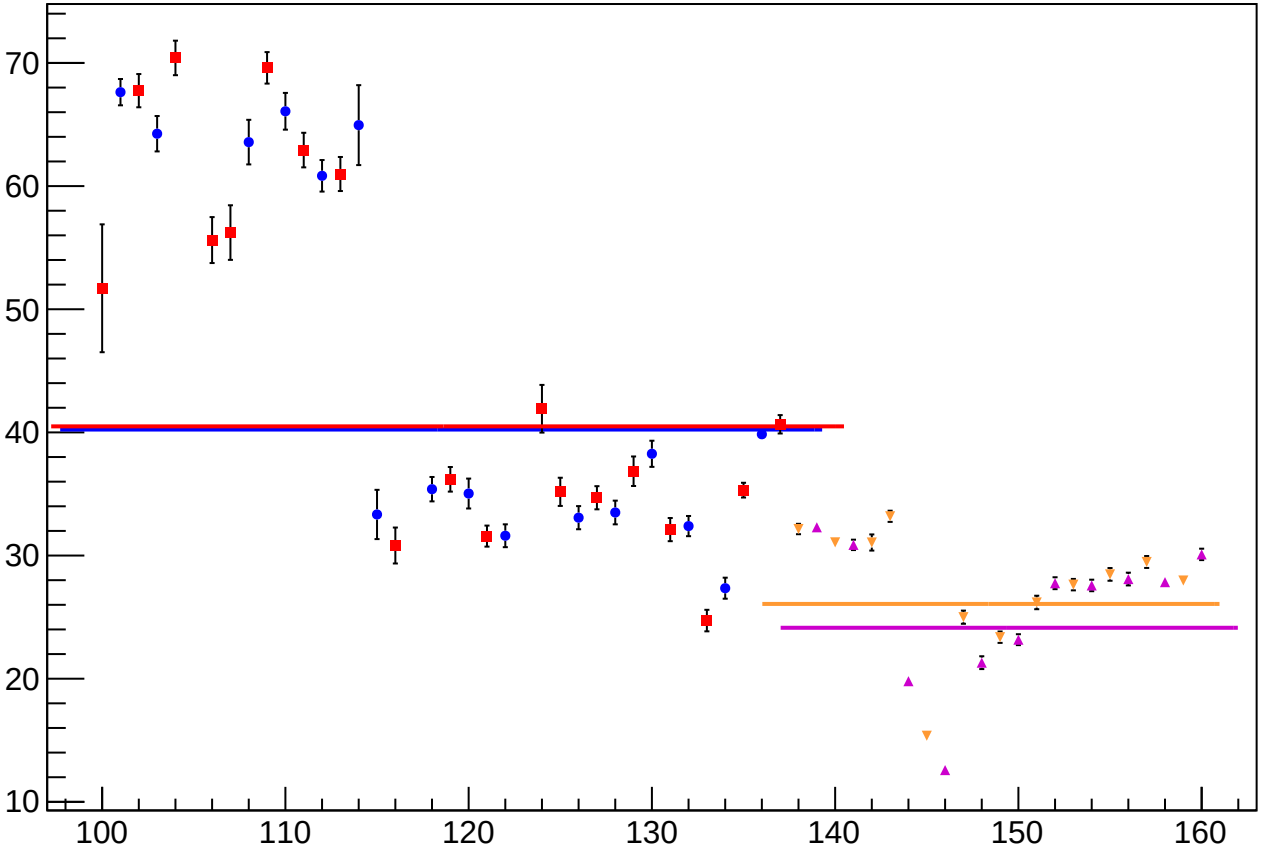
Left In: -2.365+/-0.088 χ^2/NDF:1432.9/10

+ sign -2.295+/-0.083 χ^2/NDF: 1883.3/27

All: -2.323+/-0.058 χ^2/NDF: 4872.2/57

- 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: 26.072+/-0.125 χ^2/NDF:2397.4/11

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

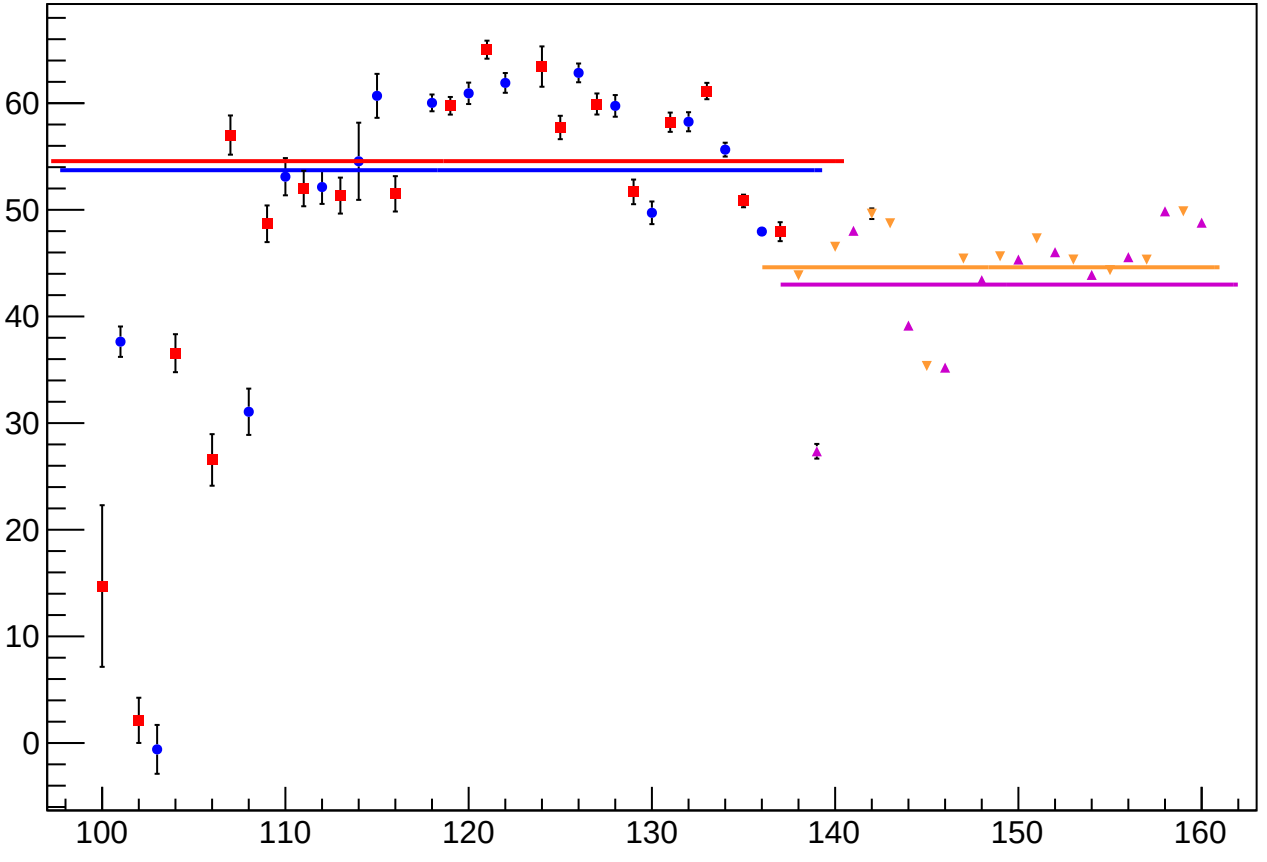
Left In: 24.136+/-0.123 χ^2/NDF:2770.6/10

+ sign 29.263+/-0.110 χ^2/NDF: 7588.5/27

All: 28.302+/-0.078 χ^2/NDF: 16643.3/57

- sign 27.328+/-0.111 χ^2/NDF: 8900.9/29

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 44.613+/-0.106 χ^2/NDF:2010.4/11

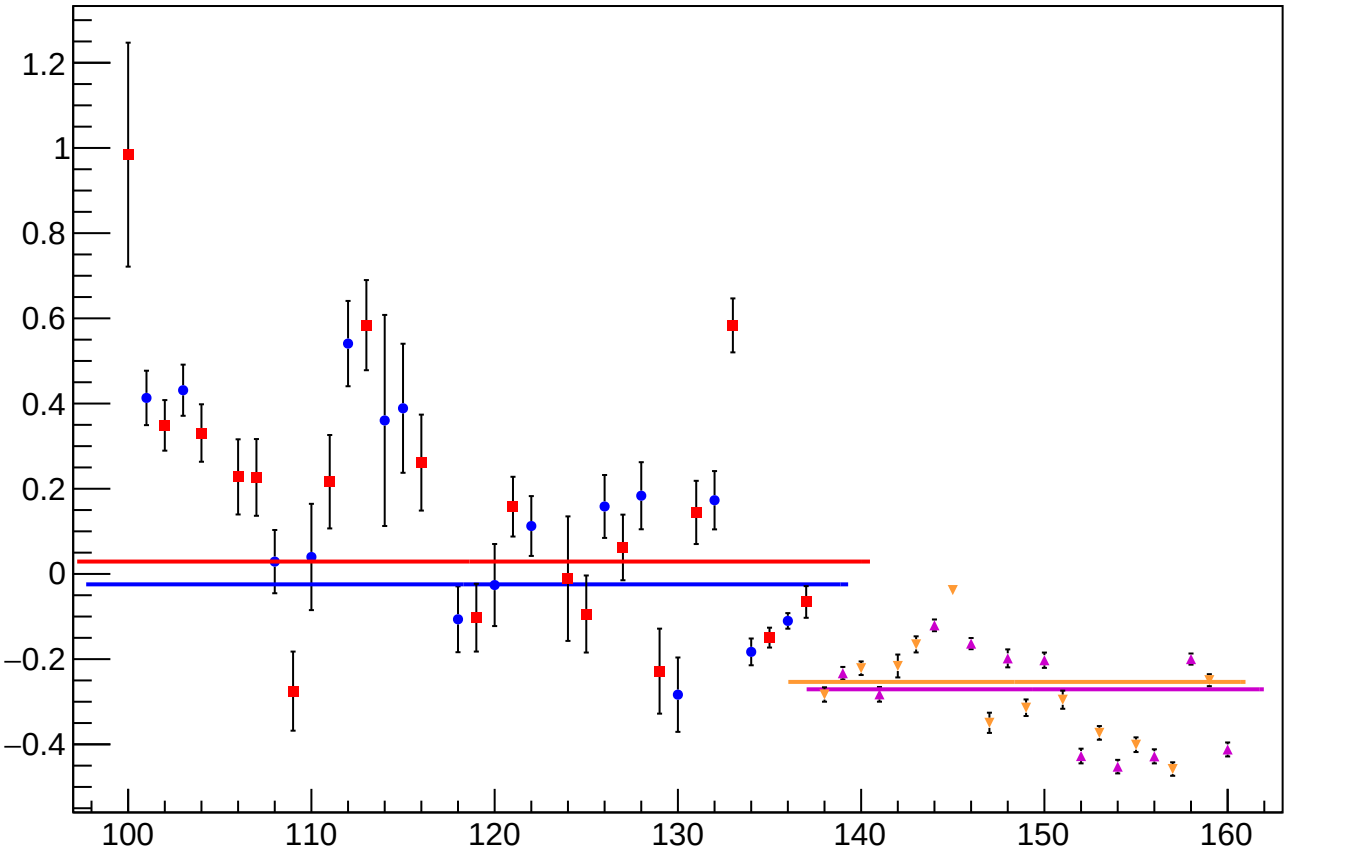
Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 42.989+/-0.103 χ^2/NDF:2961.0/10

+ sign 46.109+/-0.097 χ^2/NDF: 4585.1/27

All: 45.341+/-0.068 χ^2/NDF: 10771.3/57

- sign 44.597+/-0.095 χ^2/NDF: 6062.6/29



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.253+/-0.005 χ^2/NDF:755.9/11

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

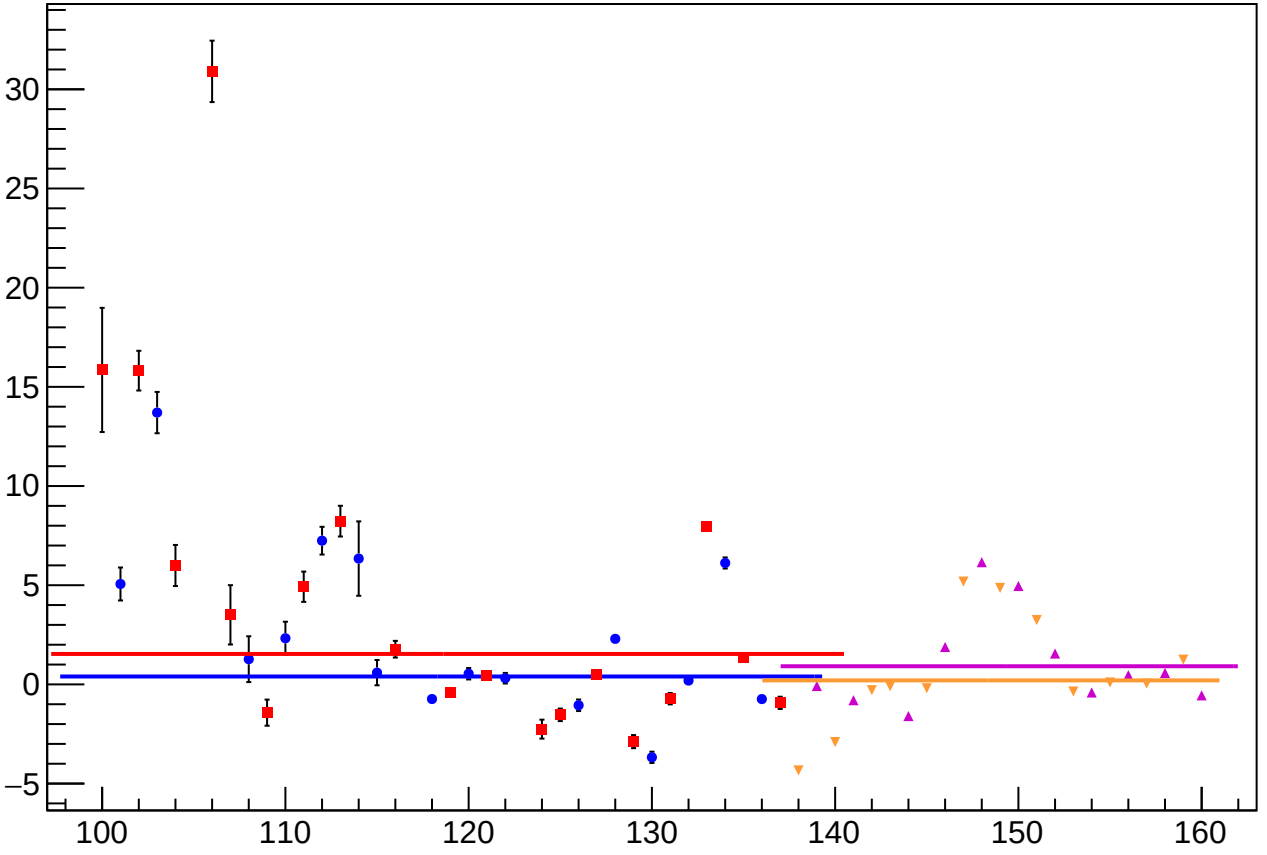
Left In: -0.271+/-0.005 χ^2/NDF:625.2/10

+ sign -0.225+/-0.005 χ^2/NDF: 1265.9/27

All: -0.233+/-0.003 χ^2/NDF: 2573.1/57

- 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: 0.201+/-0.047 χ^2/NDF:3275.2/11

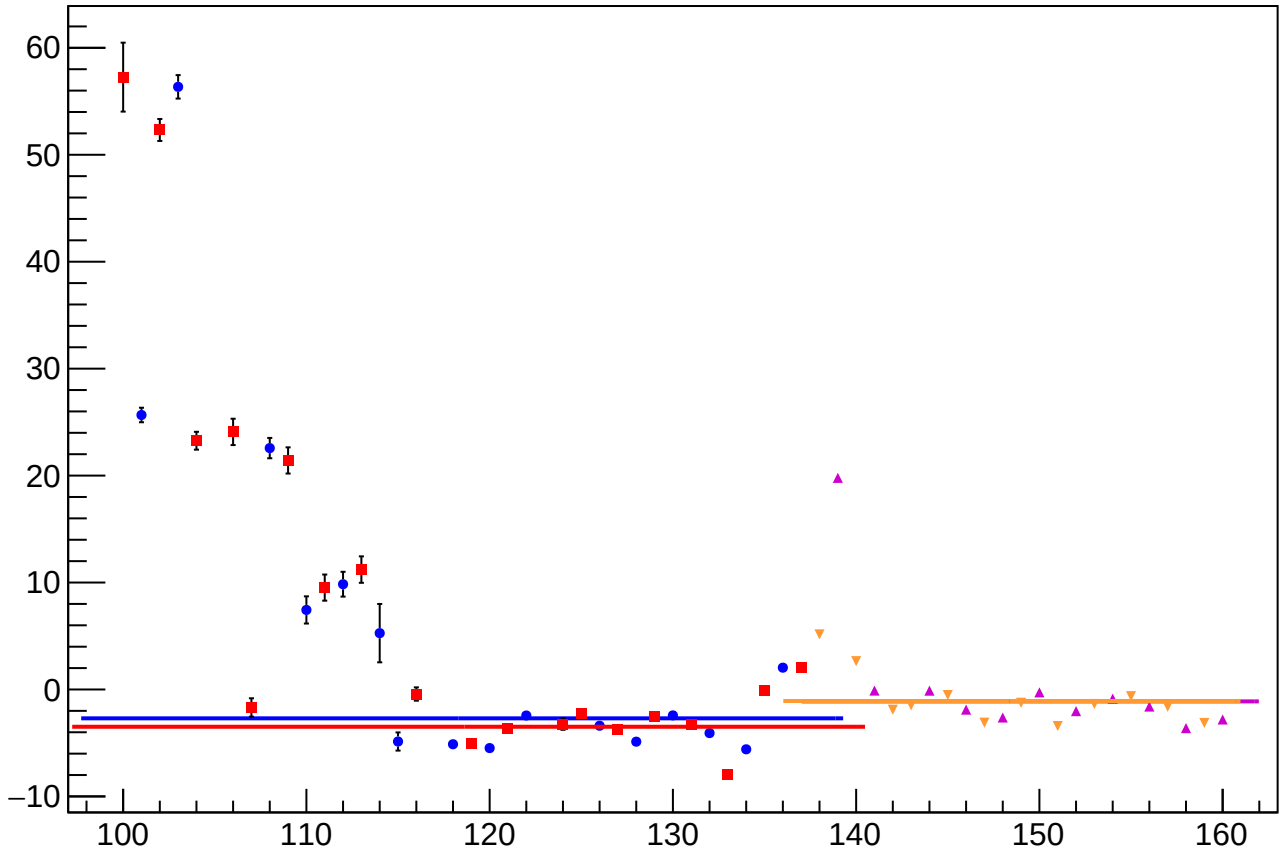
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.915+/-0.047 χ^2/NDF:2390.0/10

+ sign 0.254+/-0.040 χ^2/NDF: 4377.4/27

All: 0.666+/-0.028 χ^2/NDF: 9436.9/57

- 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: -1.079+/-0.033 χ^2/NDF:3987.1/11

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

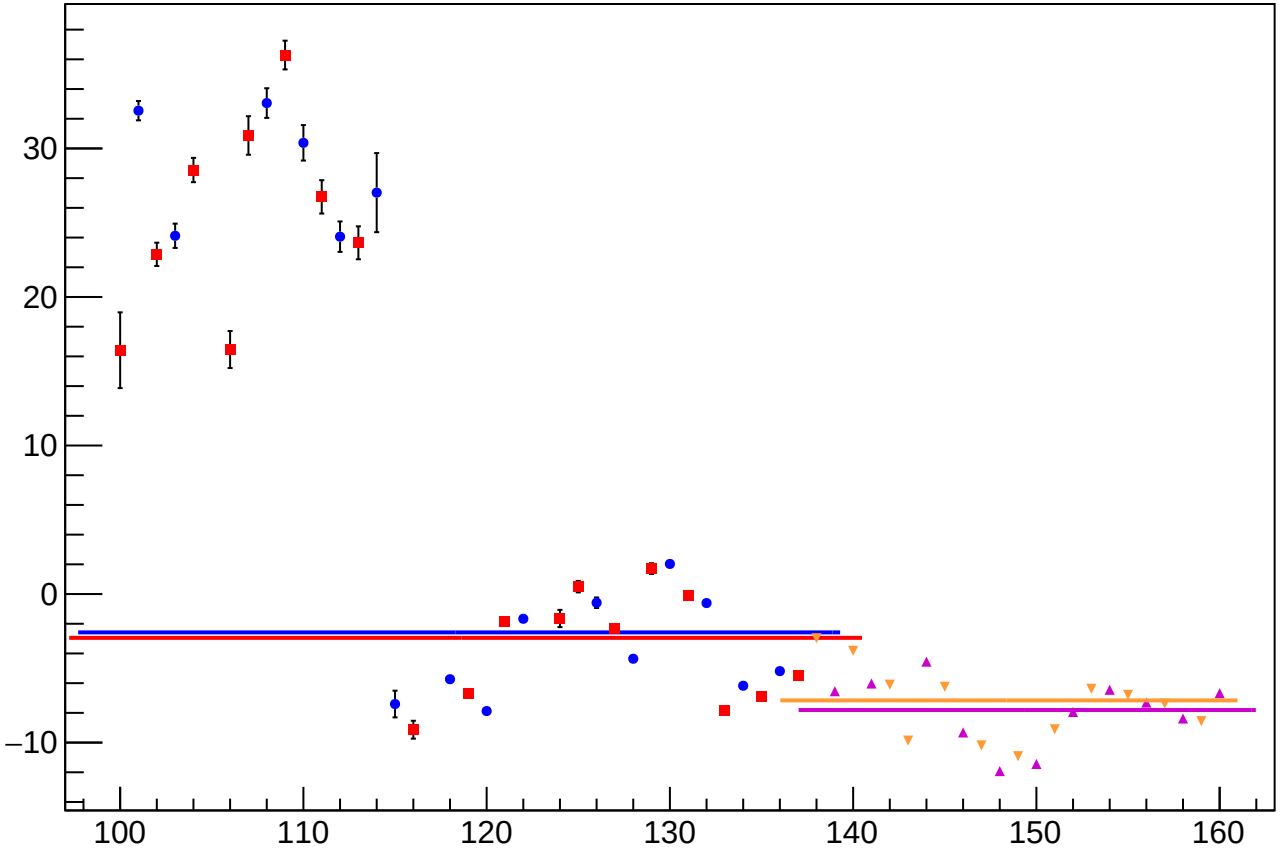
Left In: -1.114+/-0.032 χ^2/NDF:8063.7/10

+ sign -1.369+/-0.030 χ^2/NDF: 11521.5/27

All: -1.447+/-0.021 χ^2/NDF: 27686.2/57

- sign -1.521+/-0.029 χ^2/NDF: 16151.4/29

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -7.161+/-0.046 χ^2/NDF:2814.2/11

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

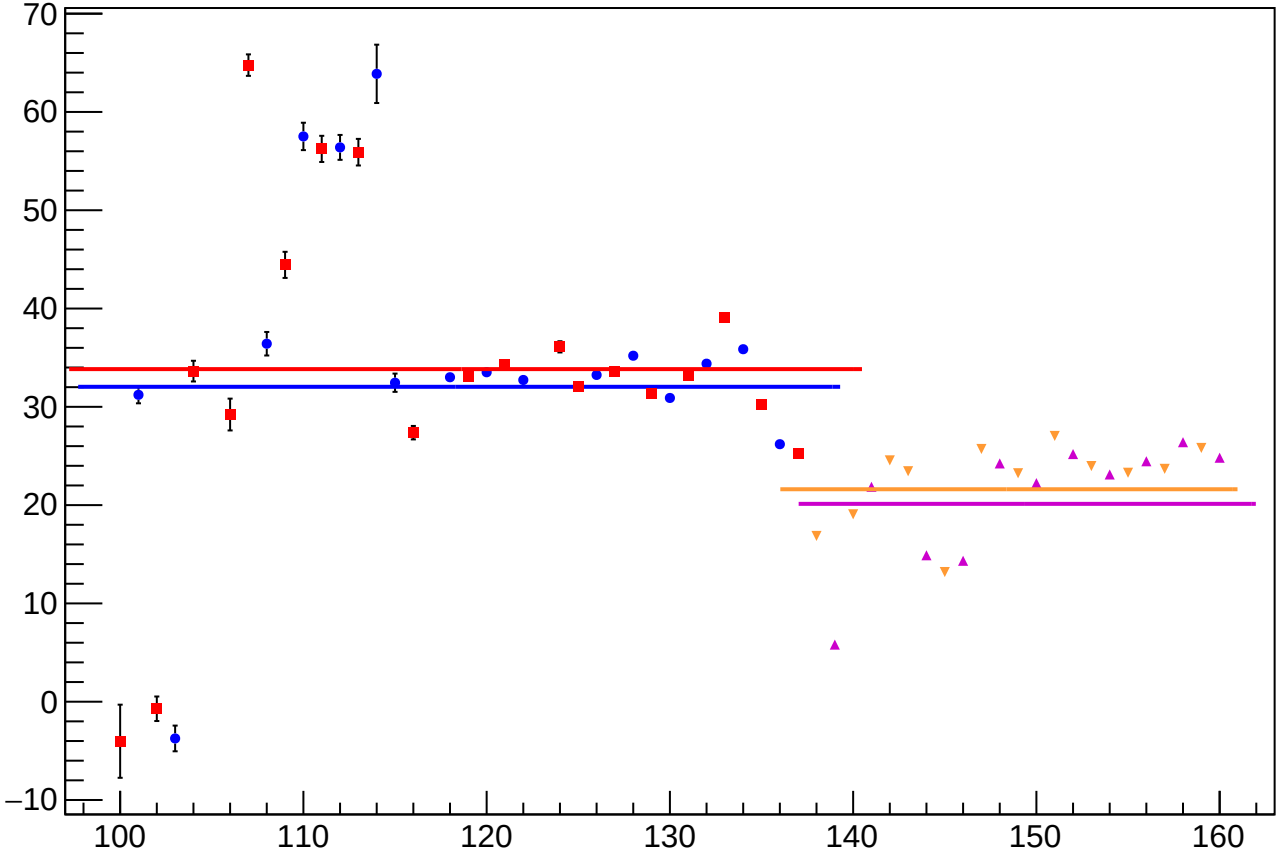
Left In: -7.809+/-0.045 χ^2/NDF:2553.2/10

+ sign -6.083+/-0.040 χ^2/NDF: 13296.3/27

All: -6.410+/-0.028 χ^2/NDF: 26725.8/57

- 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: 21.614+/-0.039 χ^2/NDF:14174.1/11

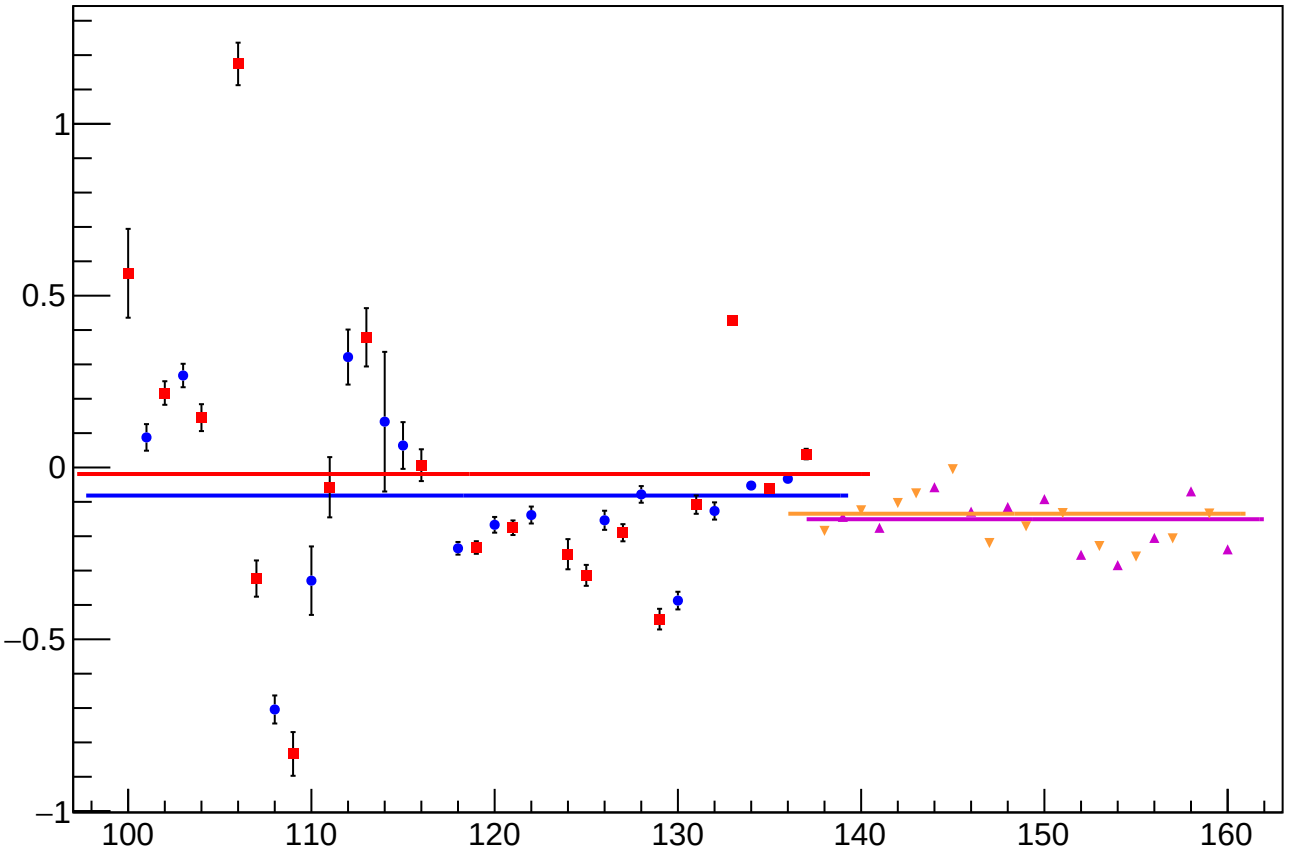
Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 20.128+/-0.038 χ^2/NDF:17992.5/10

+ sign 23.584+/-0.035 χ^2/NDF: 30765.9/27

All: 23.072+/-0.025 χ^2/NDF: 76568.8/57

- 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: -0.135+/-0.002 χ^2/NDF:2049.8/11

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

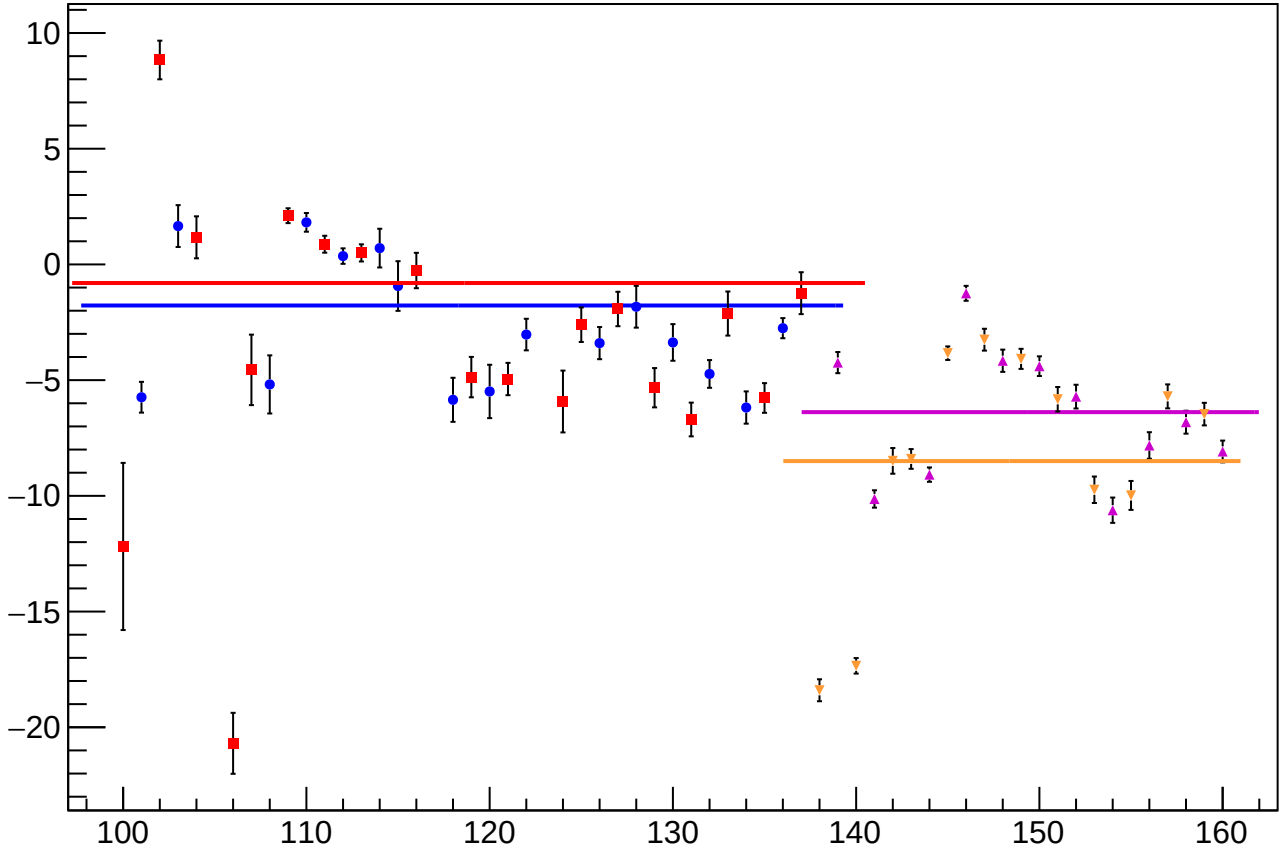
Left In: -0.151+/-0.002 χ^2/NDF:1642.5/10

+ sign -0.128+/-0.002 χ^2/NDF: 2844.1/27

All: -0.133+/-0.001 χ^2/NDF: 7349.8/57

- 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: -8.497+/-0.128 χ^2/NDF:1693.2/11

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

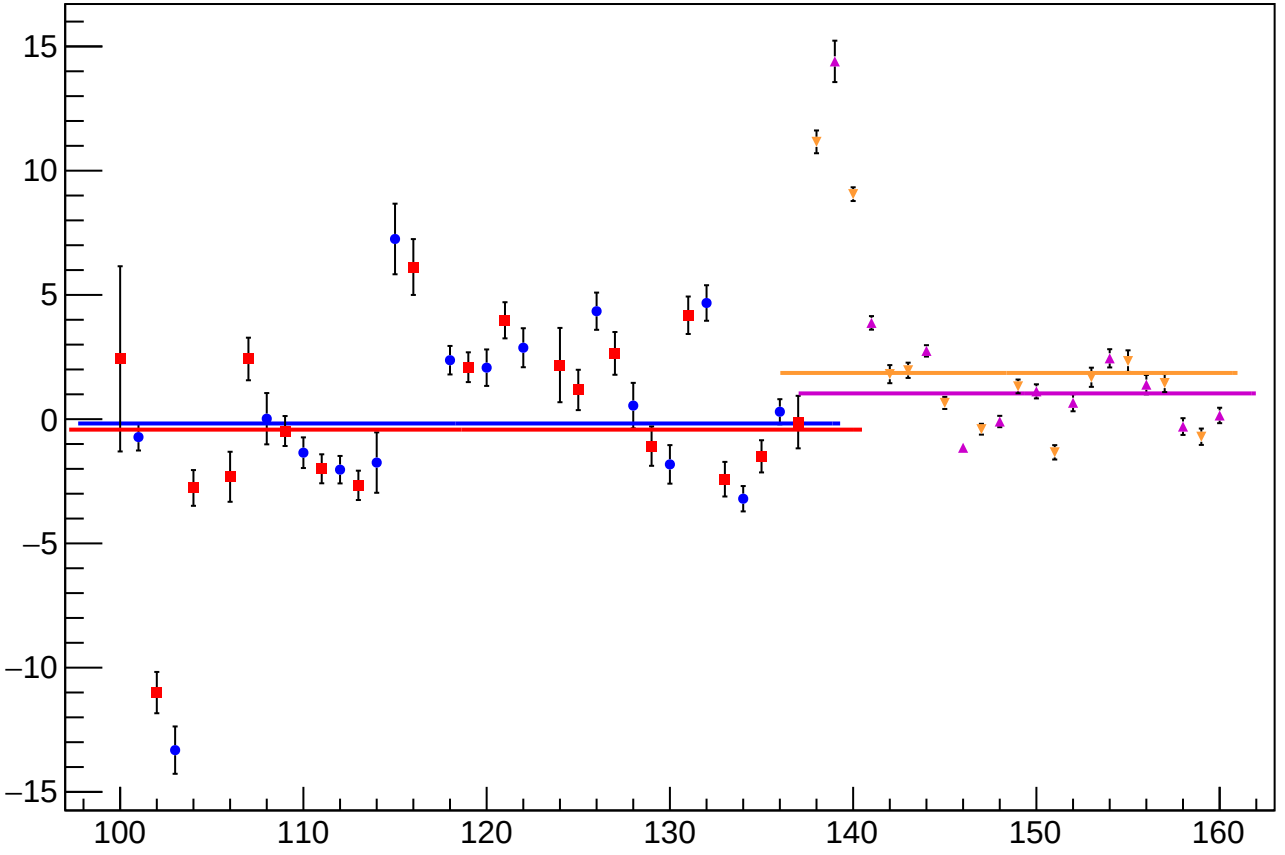
Left In: -6.382+/-0.129 χ^2/NDF:576.1/10

+ sign -5.805+/-0.099 χ^2/NDF: 3088.1/27

All: -4.876+/-0.069 χ^2/NDF: 5376.5/57

- 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: 1.860+/-0.088 χ^2/NDF:1409.1/11

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

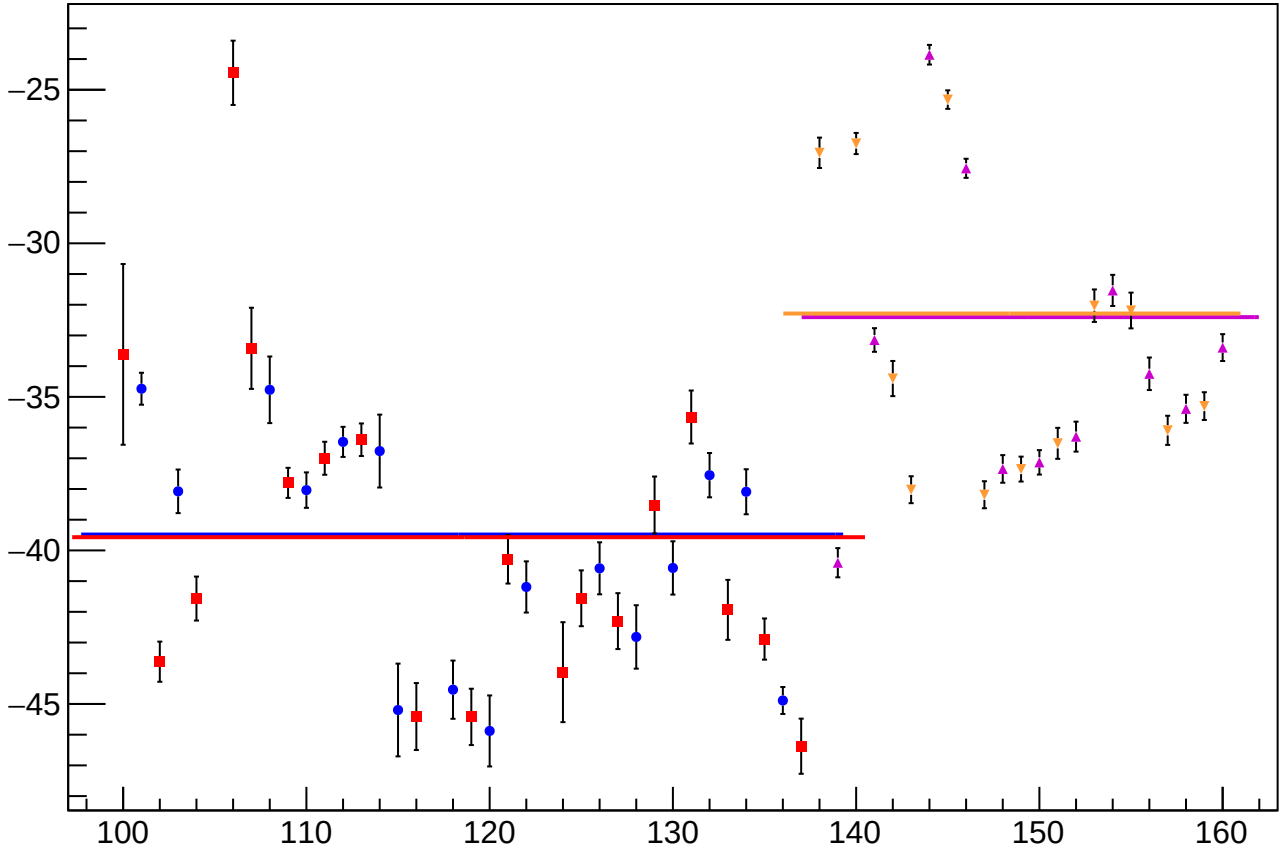
Left In: 1.037+/-0.087 χ^2/NDF:613.2/10

+ sign 1.439+/-0.079 χ^2/NDF: 1921.8/27

All: 1.093+/-0.055 χ^2/NDF: 2994.1/57

- 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: -32.287+/-0.126 χ^2/NDF:1602.8/11

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

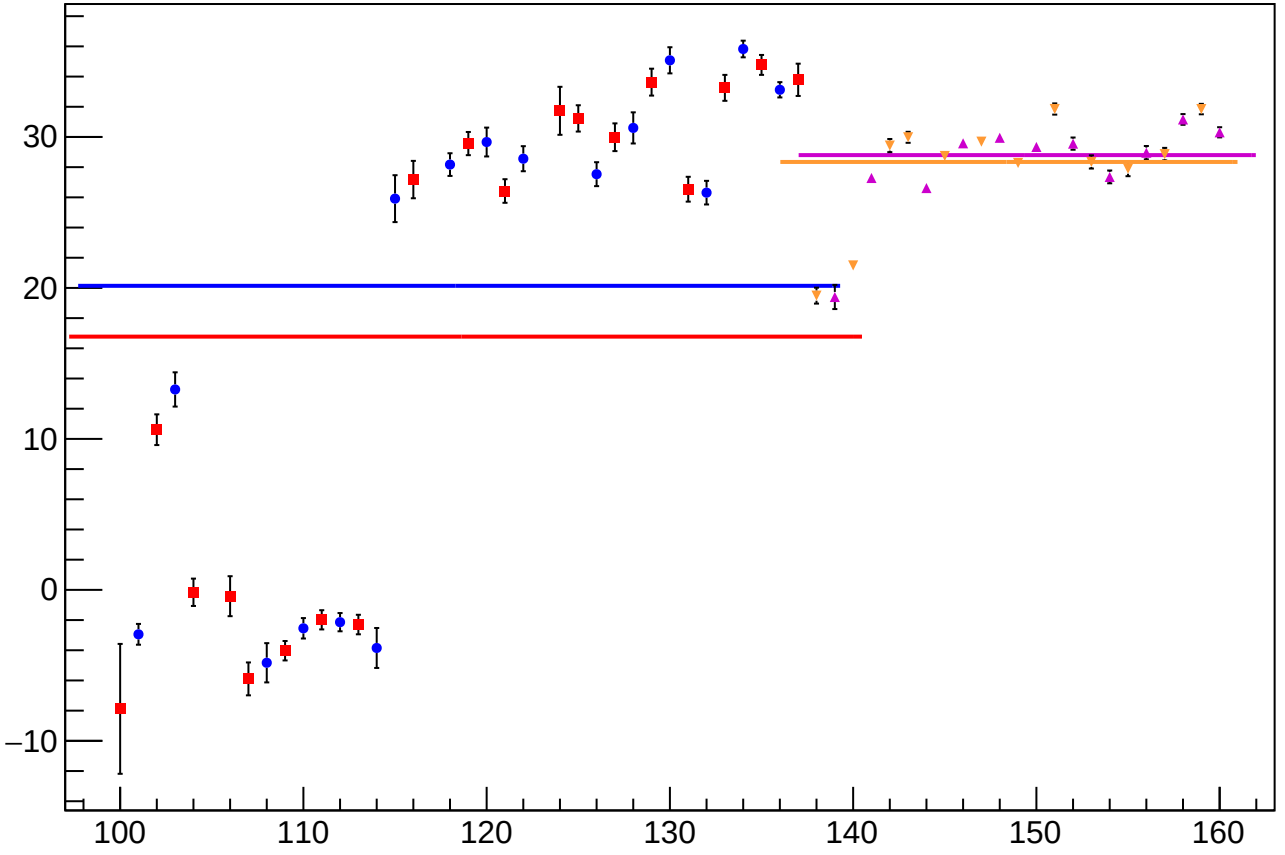
Left In: -32.403+/-0.125 χ^2/NDF:1632.4/10

+ sign -34.655+/-0.103 χ^2/NDF: 3082.0/27

All: -34.684+/-0.073 χ^2/NDF: 6330.8/57

- 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: 28.345+/-0.106 χ^2/NDF:947.5/11

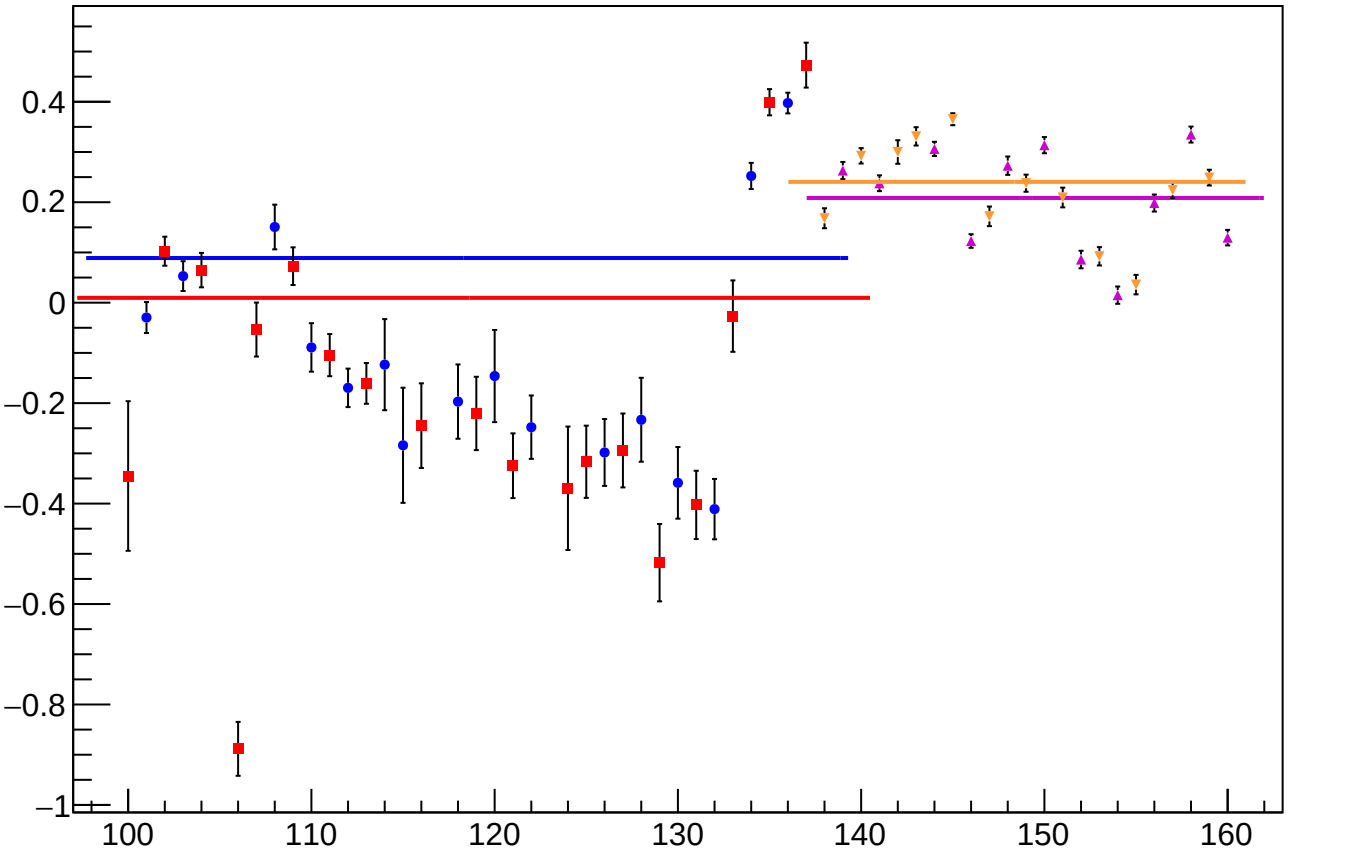
Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.798+/-0.103 χ^2/NDF:331.9/10

\+ sign 26.475+/-0.093 χ^2/NDF: 9003.2/27

All: 26.376+/-0.065 χ^2/NDF: 18942.1/57

\- sign 26.281+/-0.091 χ^2/NDF: 9936.7/29



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.241+/-0.005 χ^2/NDF:358.5/11

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

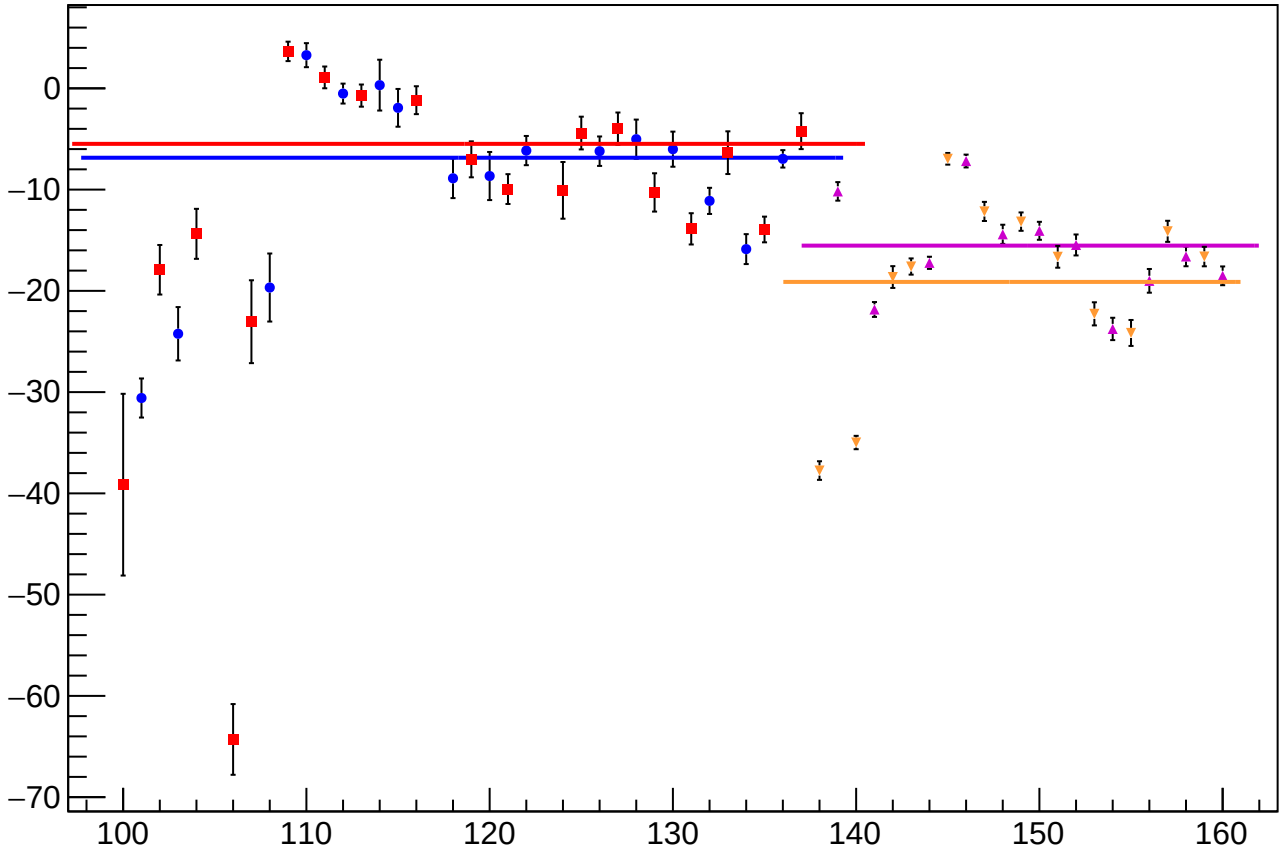
Left In: 0.208+/-0.005 χ^2/NDF:421.6/10

+ sign 0.213+/-0.004 χ^2/NDF: 1095.5/27

All: 0.195+/-0.003 χ^2/NDF: 2658.7/57

- 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: -19.116+/-0.254 χ^2/NDF:1591.9/11

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

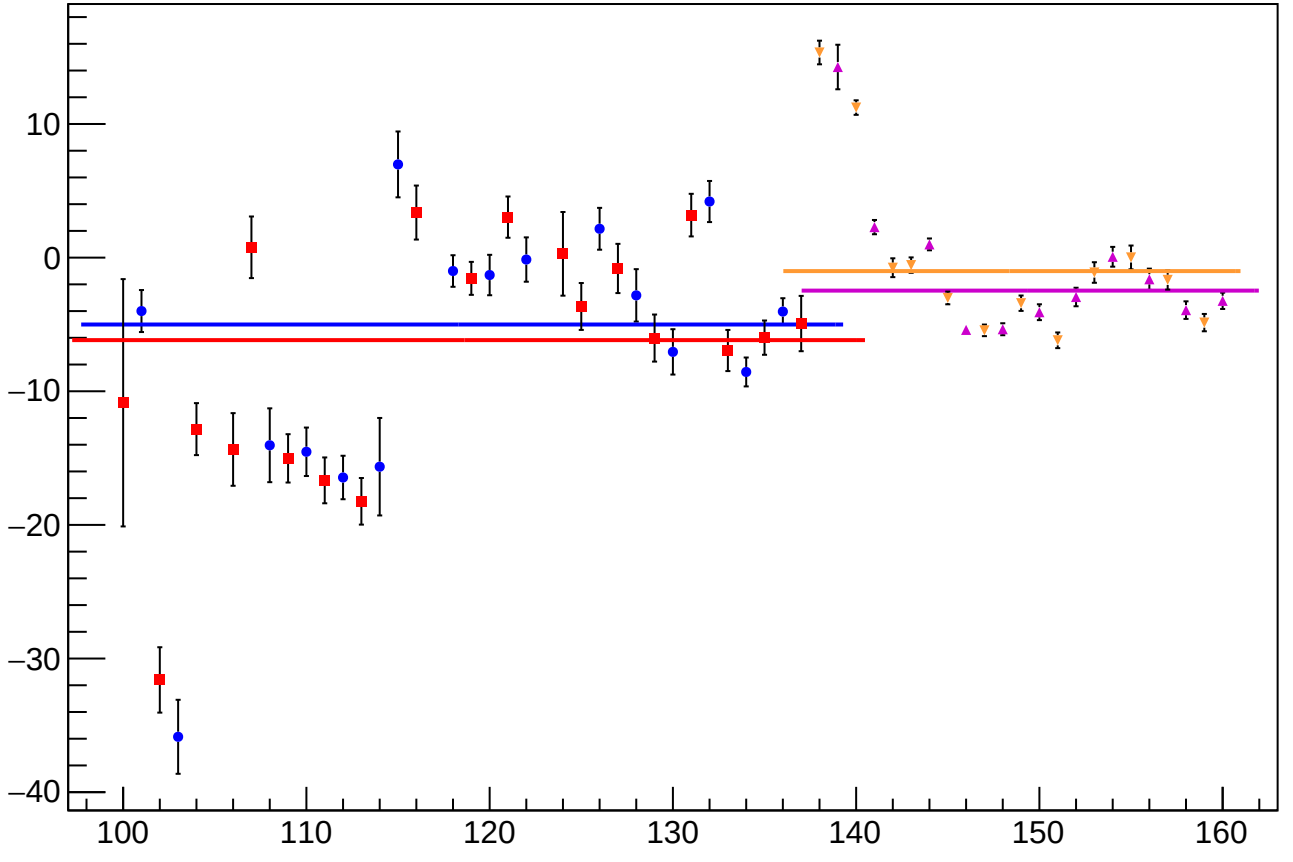
Left In: -15.532+/-0.255 χ^2/NDF:369.2/10

+ sign -15.265+/-0.210 χ^2/NDF: 2713.2/27

All: -13.771+/-0.149 χ^2/NDF: 4291.7/57

- 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: -1.008+/-0.175 χ^2/NDF:1103.2/11

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

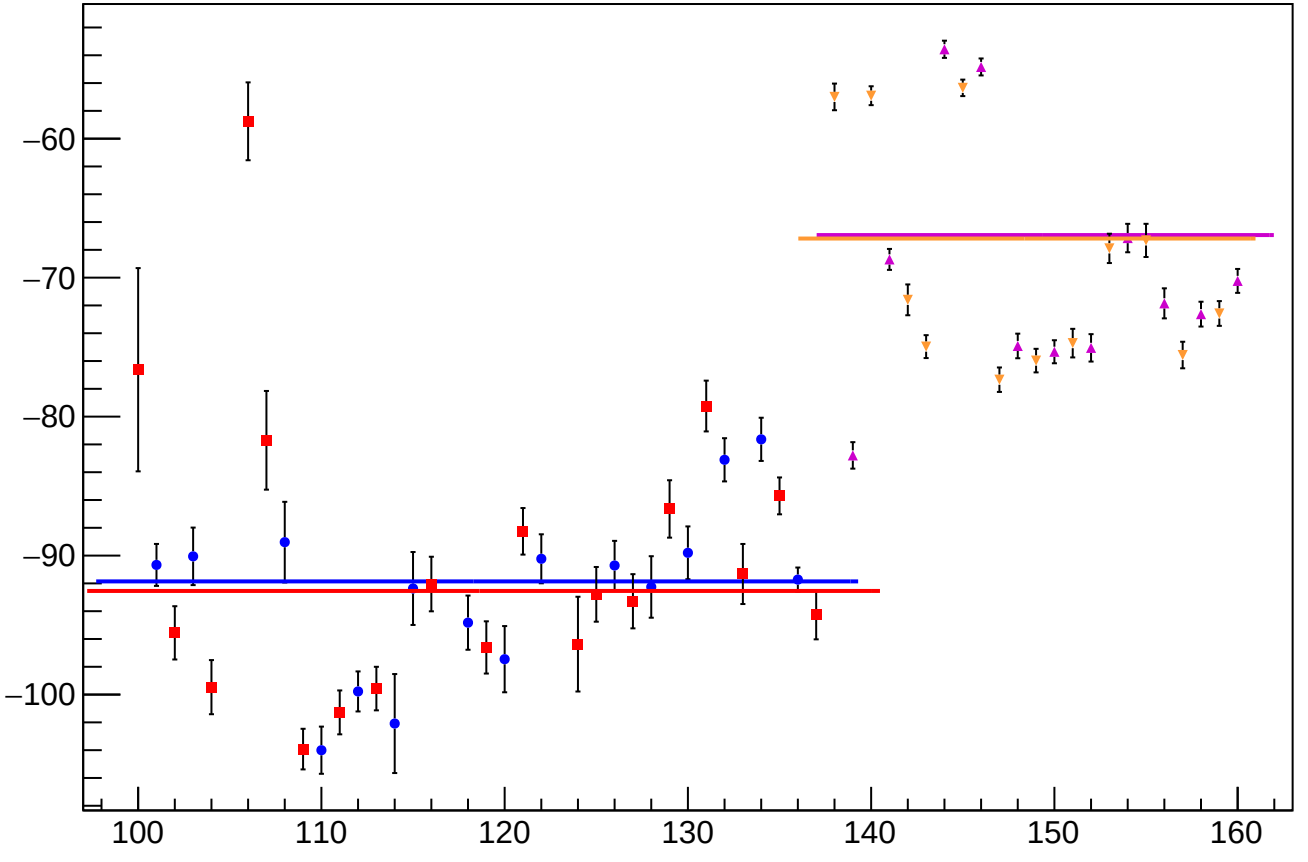
Left In: -2.468+/-0.171 χ^2/NDF:371.1/10

\+ sign -1.665+/-0.160 χ^2/NDF: 1530.3/27

All: -2.342+/-0.112 χ^2/NDF: 2373.5/57

\- 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: -67.186+/-0.250 χ^2/NDF:1189.4/11

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

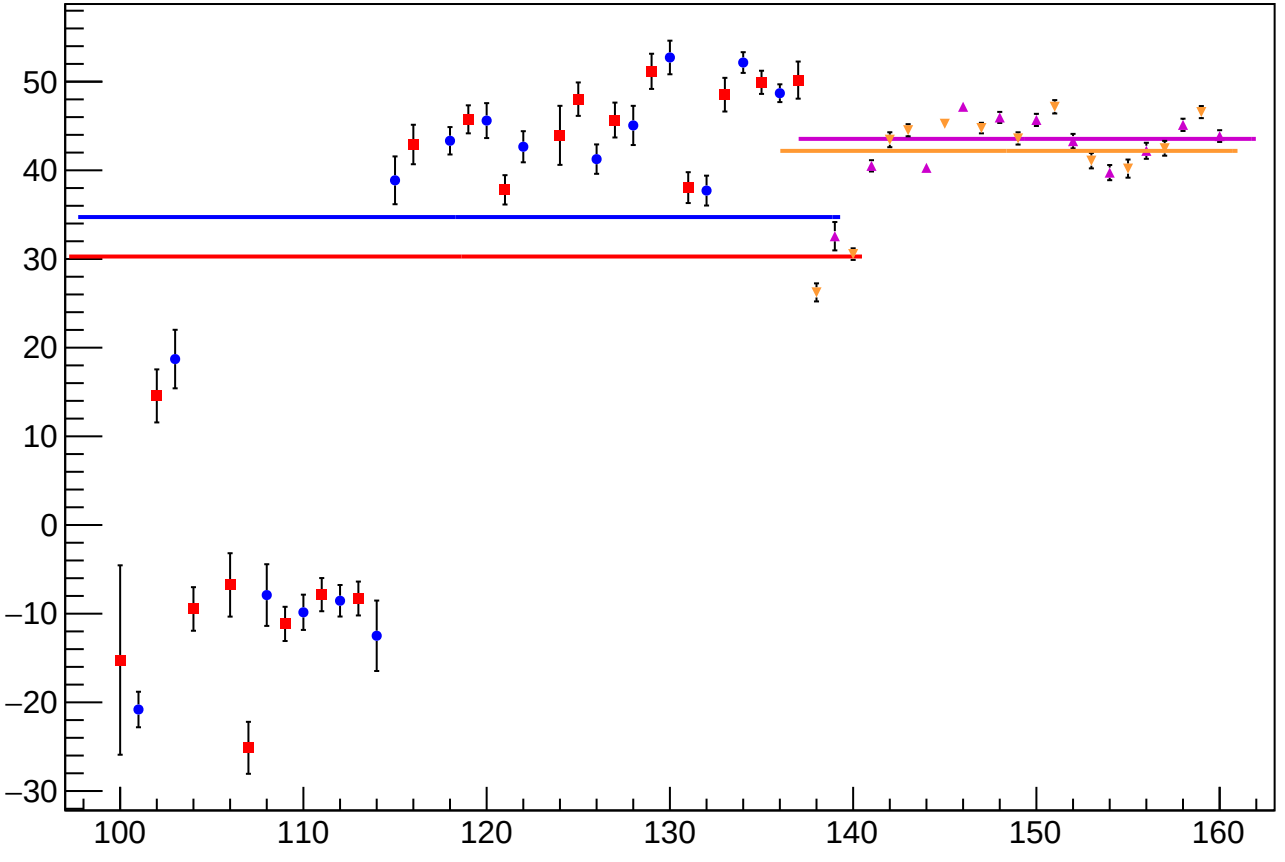
Left In: -66.936+/-0.248 χ^2/NDF:1467.8/10

+ sign -73.558+/-0.216 χ^2/NDF: 3877.2/27

All: -73.333+/-0.152 χ^2/NDF: 8314.6/57

- 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: 42.193+/-0.210 χ^2/NDF:719.1/11

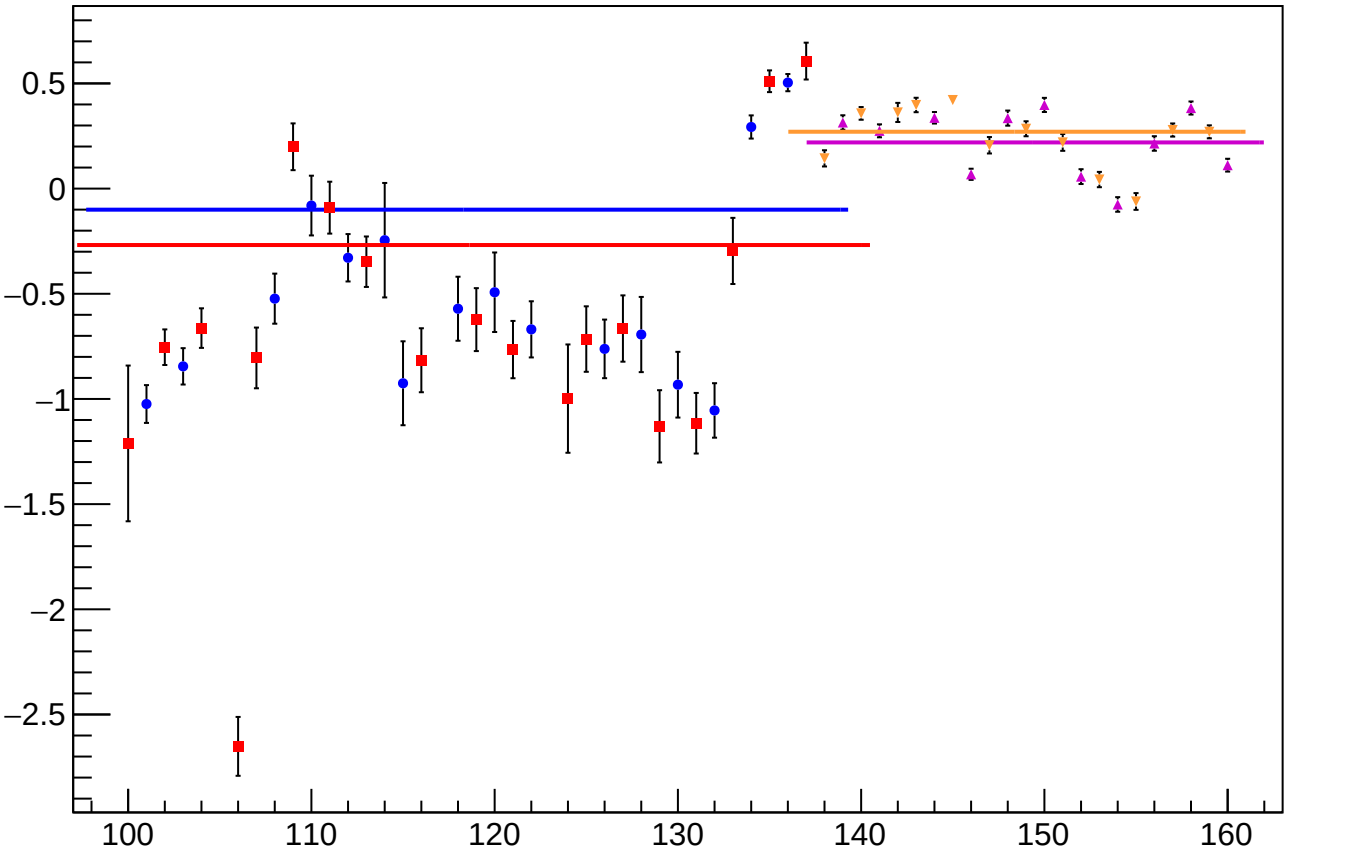
Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 43.546+/-0.203 χ^2/NDF:220.8/10

+ sign 40.820+/-0.189 χ^2/NDF: 3761.0/27

All: 41.133+/-0.133 χ^2/NDF: 7576.6/57

- 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: 0.270+/-0.010 χ^2/NDF:190.9/11

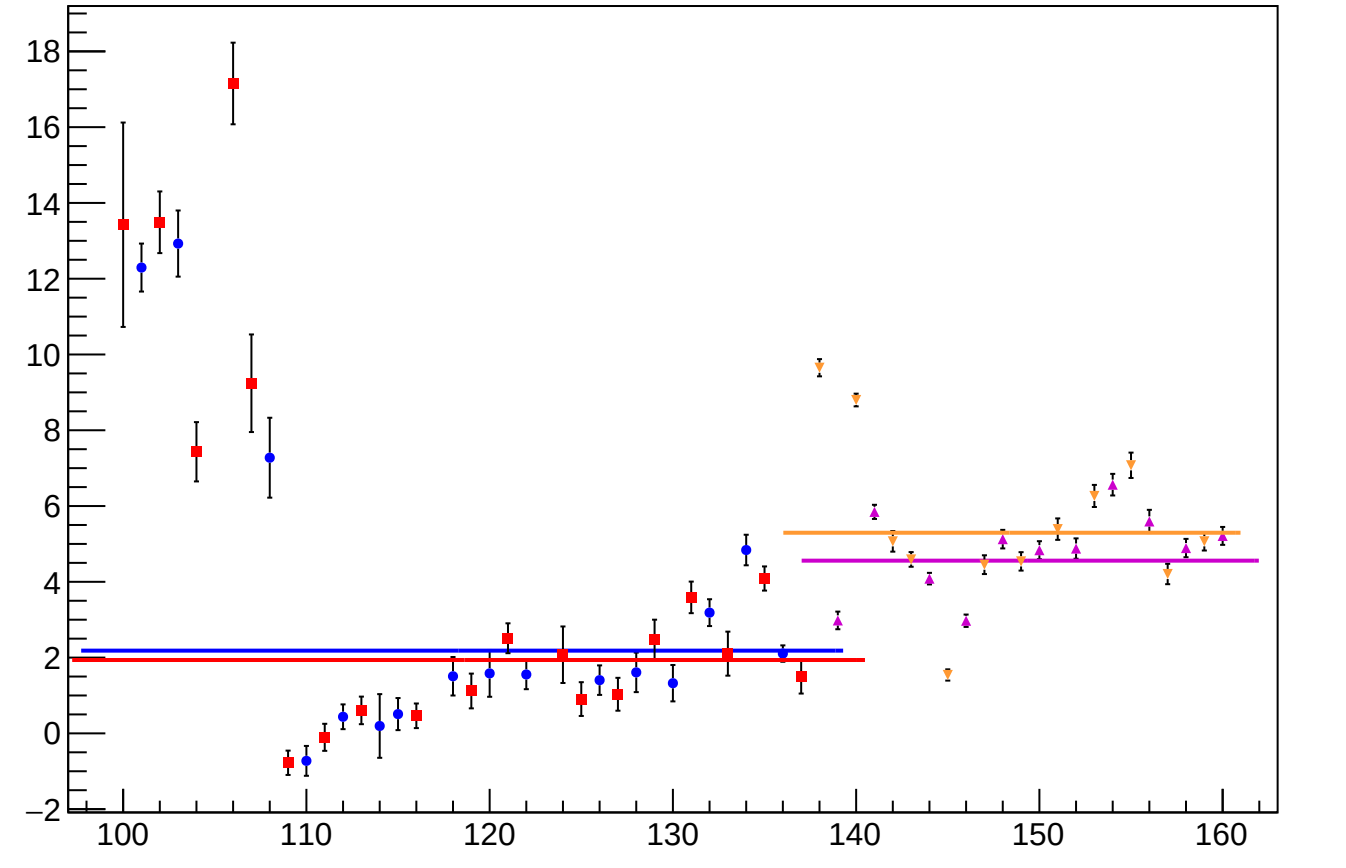
Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.220+/-0.010 χ^2/NDF:233.8/10

+ sign 0.218+/-0.009 χ^2/NDF: 1026.4/27

All: 0.190+/-0.006 χ^2/NDF: 2403.9/57

- sign 0.163+/-0.009 χ^2/NDF: 1359.0/29



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.295+/-0.065 χ^2/NDF:1532.3/11

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

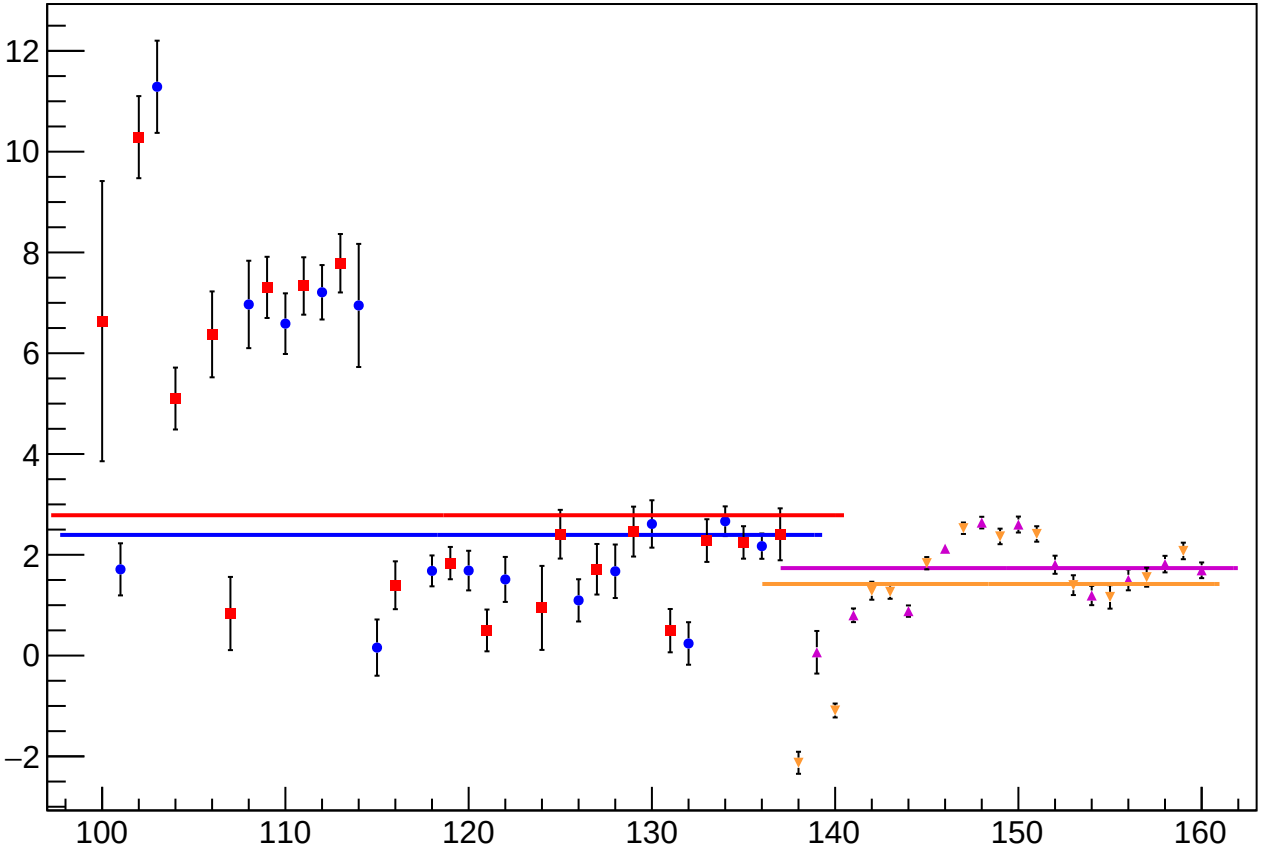
Left In: 4.559+/-0.065 χ^2/NDF:276.0/10

+ sign 4.435+/-0.055 χ^2/NDF: 2767.1/27

All: 4.135+/-0.039 χ^2/NDF: 4266.1/57

- sign 3.830+/-0.056 χ^2/NDF: 1439.5/29

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.421+/-0.045 χ^2/NDF:798.2/11

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

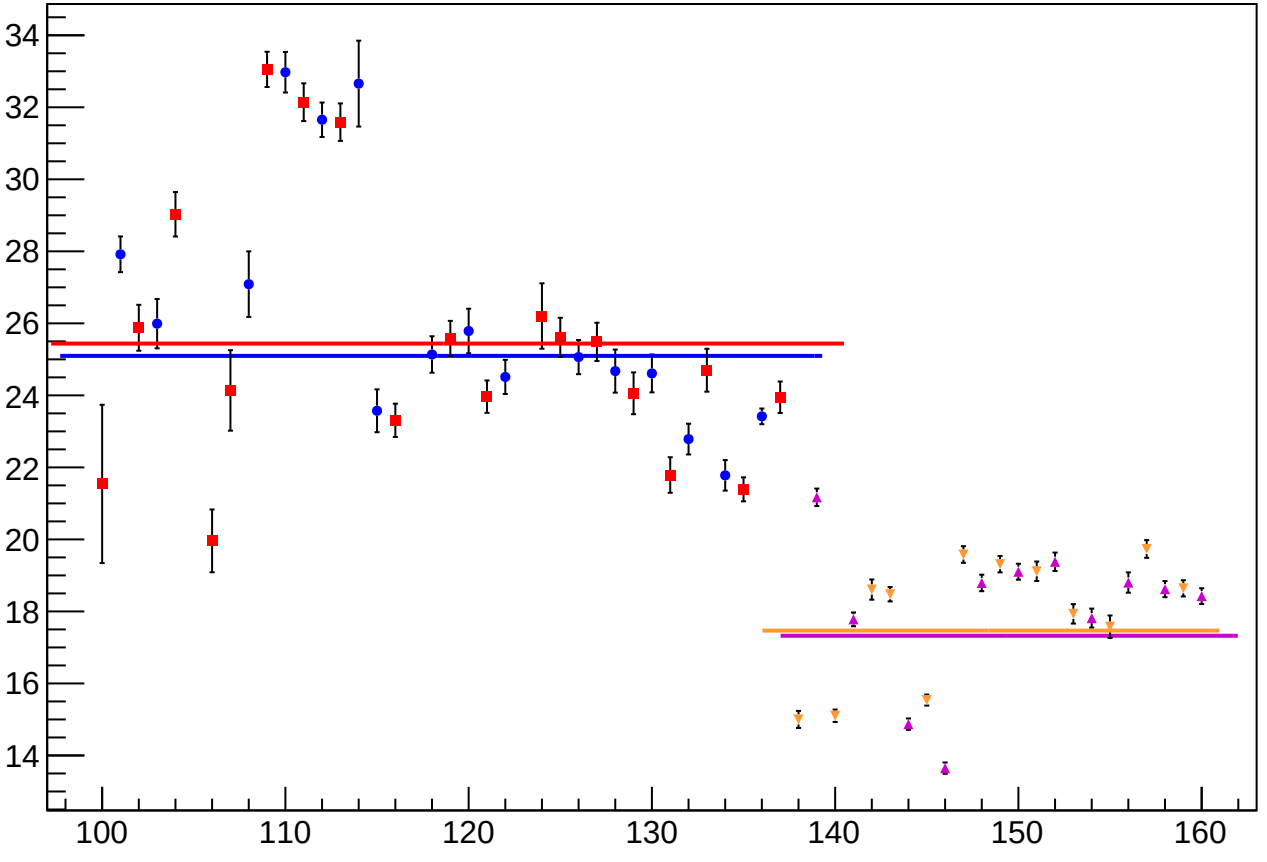
Left In: 1.736+/-0.044 χ^2/NDF:237.6/10

+ sign 1.564+/-0.042 χ^2/NDF: 1201.0/27

All: 1.717+/-0.029 χ^2/NDF: 1948.3/57

- 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: 17.468+/-0.064 χ^2/NDF:798.6/11

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

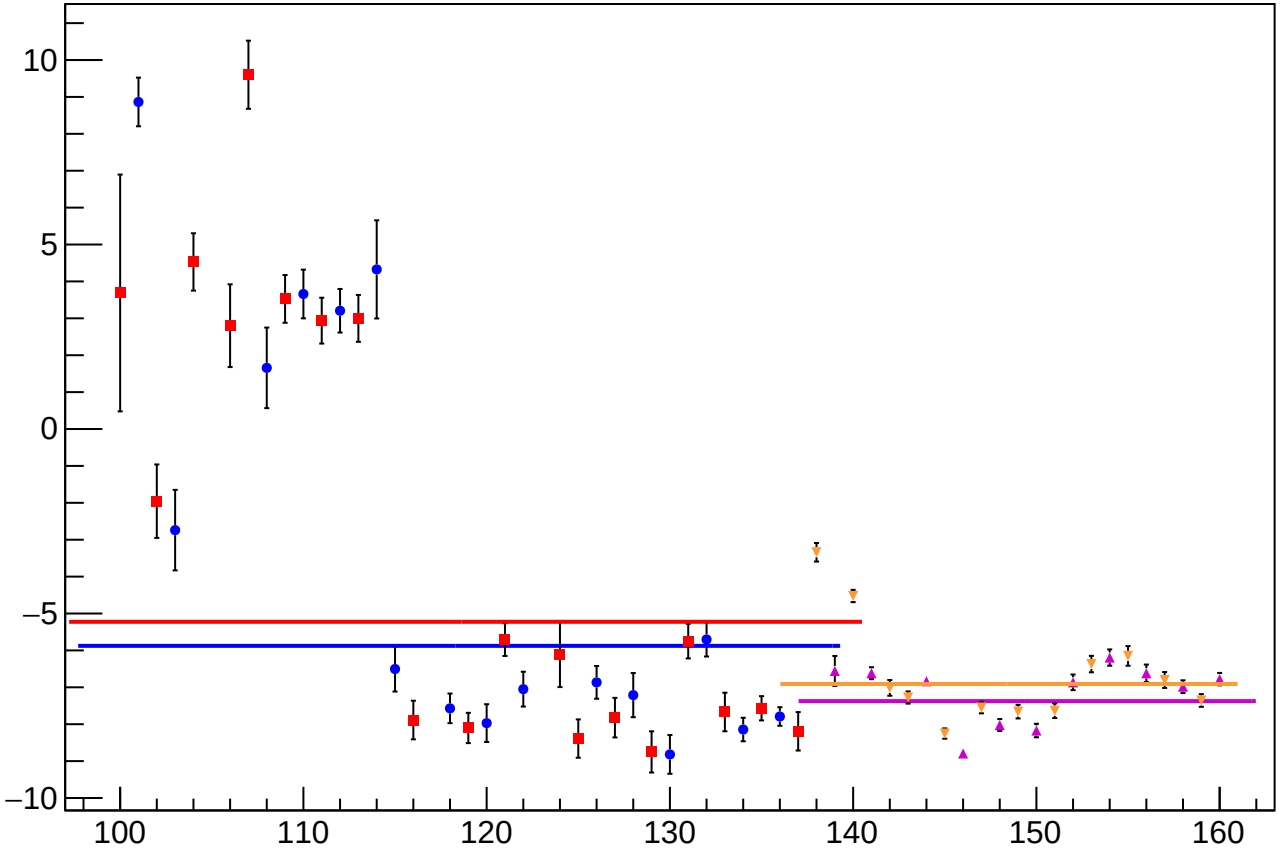
Left In: 17.324+/-0.064 χ^2/NDF:1307.6/10

+ sign 19.213+/-0.056 χ^2/NDF: 4670.2/27

All: 19.113+/-0.040 χ^2/NDF: 10251.4/57

- 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: -6.909+/-0.054 χ^2/NDF:570.8/11

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

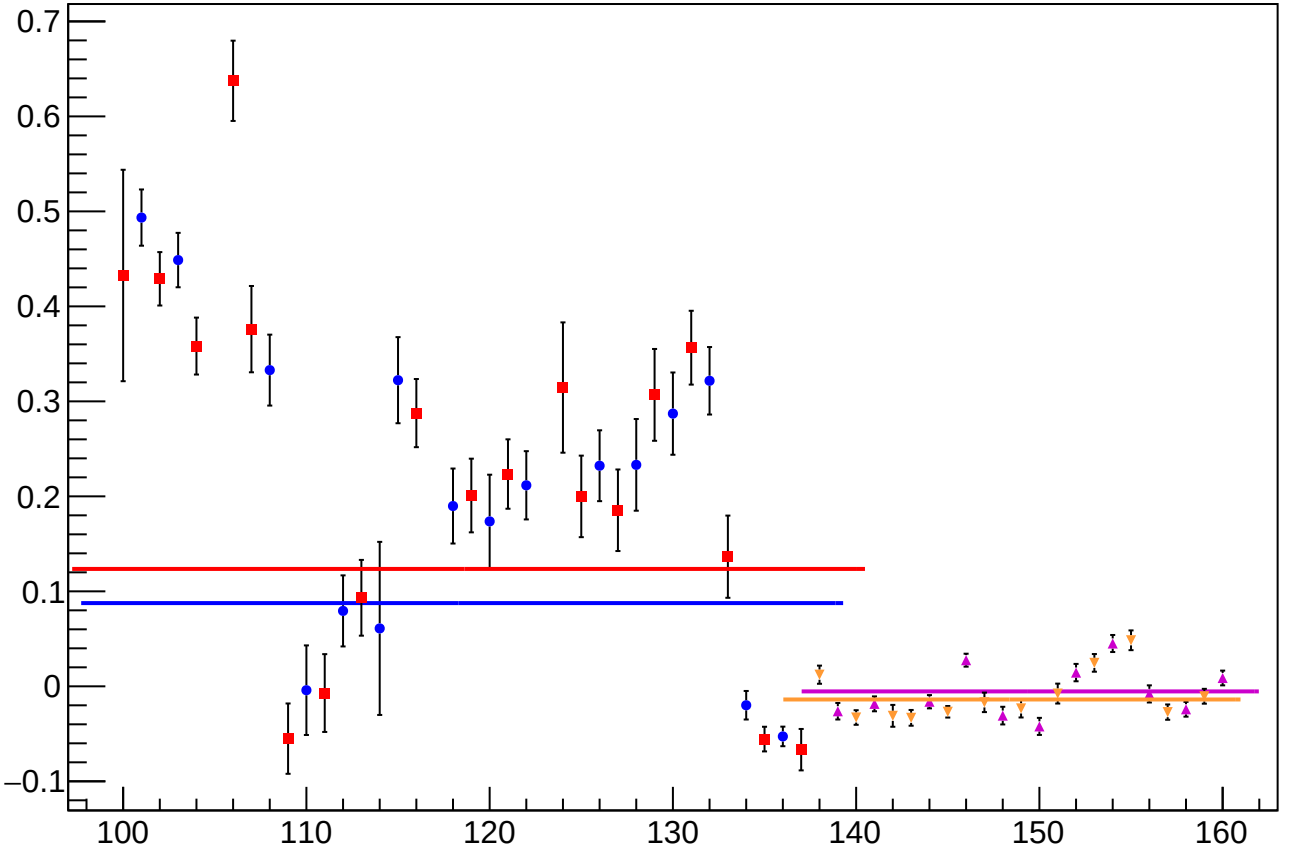
Left In: -7.374+/-0.052 χ^2/NDF:279.9/10

+ sign -6.738+/-0.049 χ^2/NDF: 1883.3/27

All: -6.909+/-0.034 χ^2/NDF: 3716.2/57

- 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: -0.014+/-0.003 χ^2/NDF:83.2/11

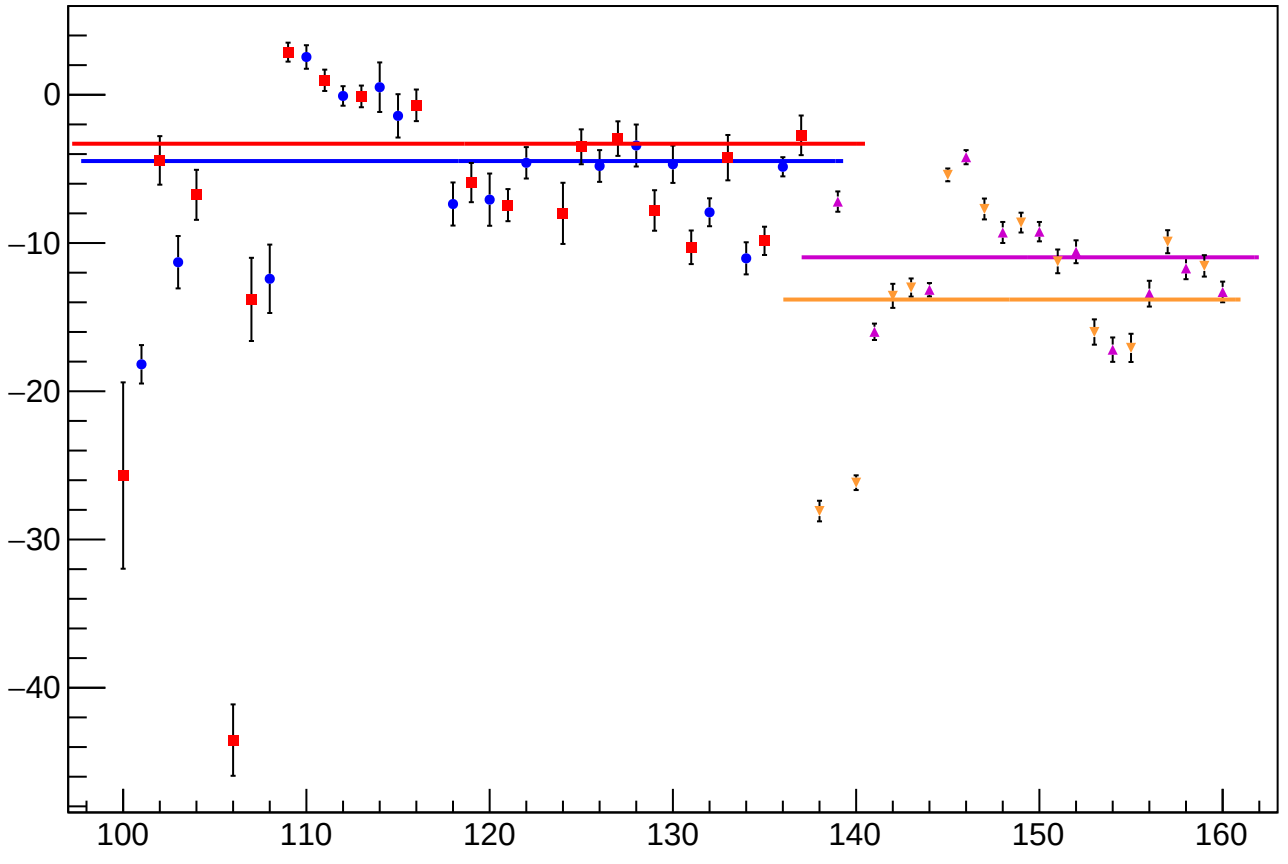
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.005+/-0.002 χ^2/NDF:104.2/10

+ sign -0.001+/-0.002 χ^2/NDF: 1058.2/27

All: 0.003+/-0.002 χ^2/NDF: 2209.8/57

- sign 0.008+/-0.002 χ^2/NDF: 1144.6/29



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -13.812+/-0.191 χ^2/NDF:1620.2/11

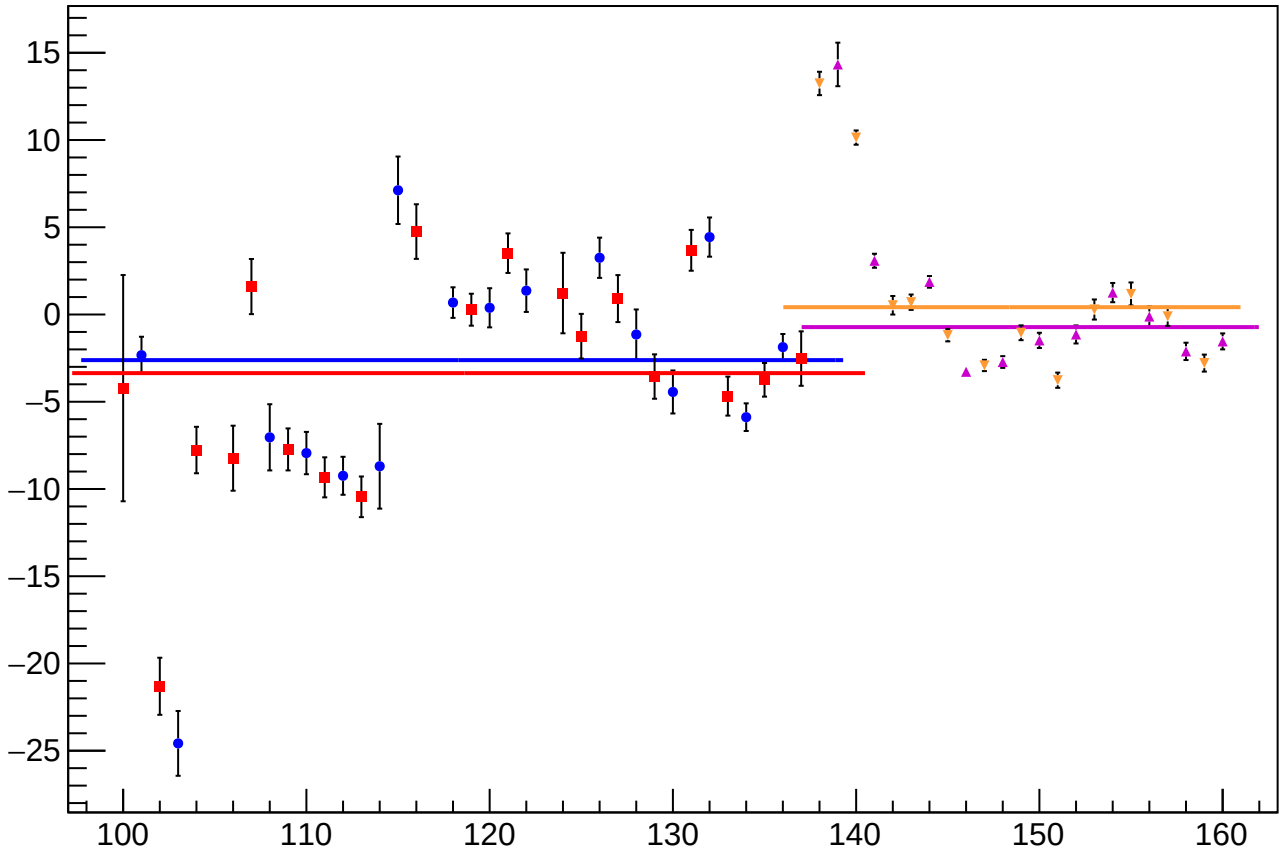
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.963+/-0.191 χ^2/NDF:427.6/10

+ sign -10.681+/-0.155 χ^2/NDF: 2757.1/27

All: -9.475+/-0.109 χ^2/NDF: 4450.5/57

- sign -8.290+/-0.154 χ^2/NDF: 1573.9/29



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.420+/-0.131 χ^2/NDF:1207.3/11

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

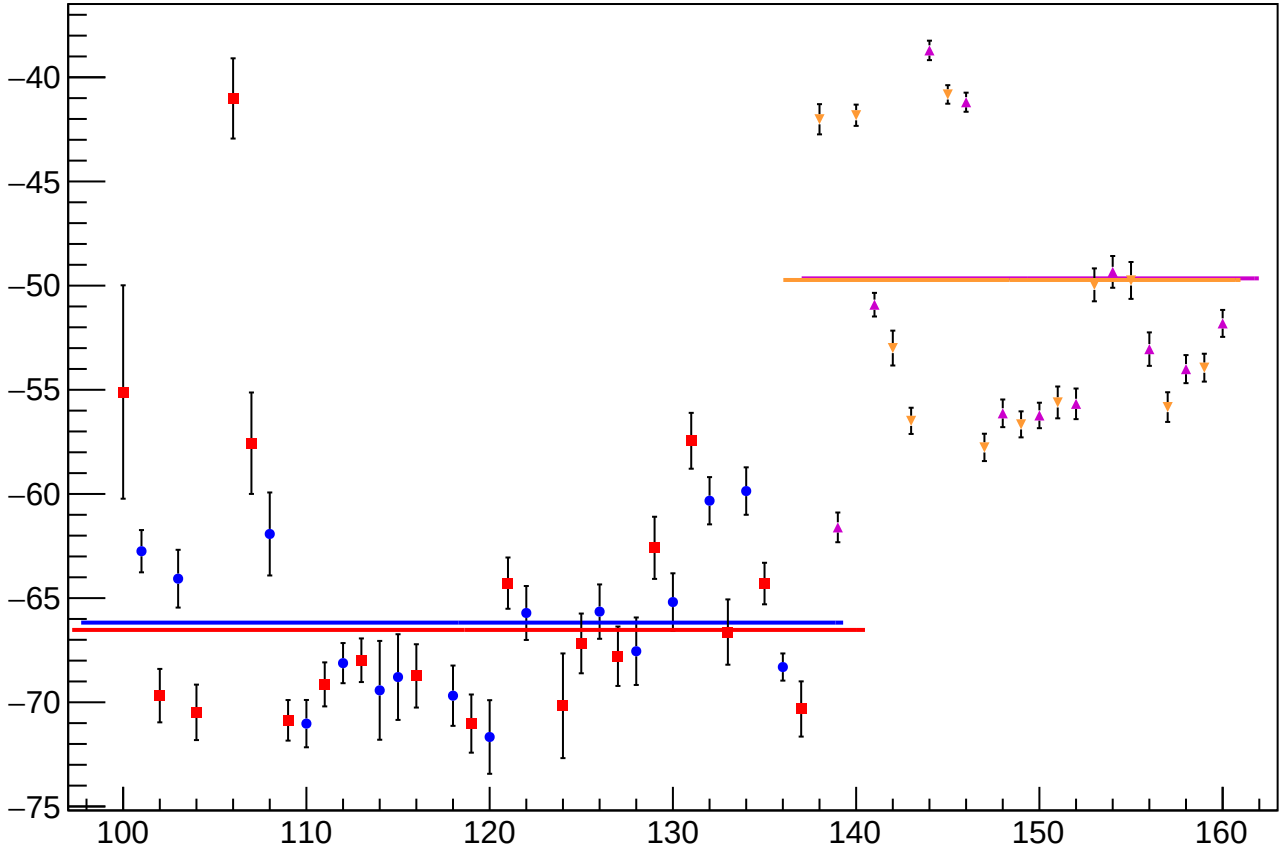
Left In: -0.722+/-0.128 χ^2/NDF:440.8/10

+ sign -0.109+/-0.119 χ^2/NDF: 1652.4/27

All: -0.627+/-0.084 χ^2/NDF: 2555.8/57

- sign -1.131+/-0.118 χ^2/NDF: 866.3/29

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -49.729+/-0.188 χ^2/NDF:1330.0/11

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

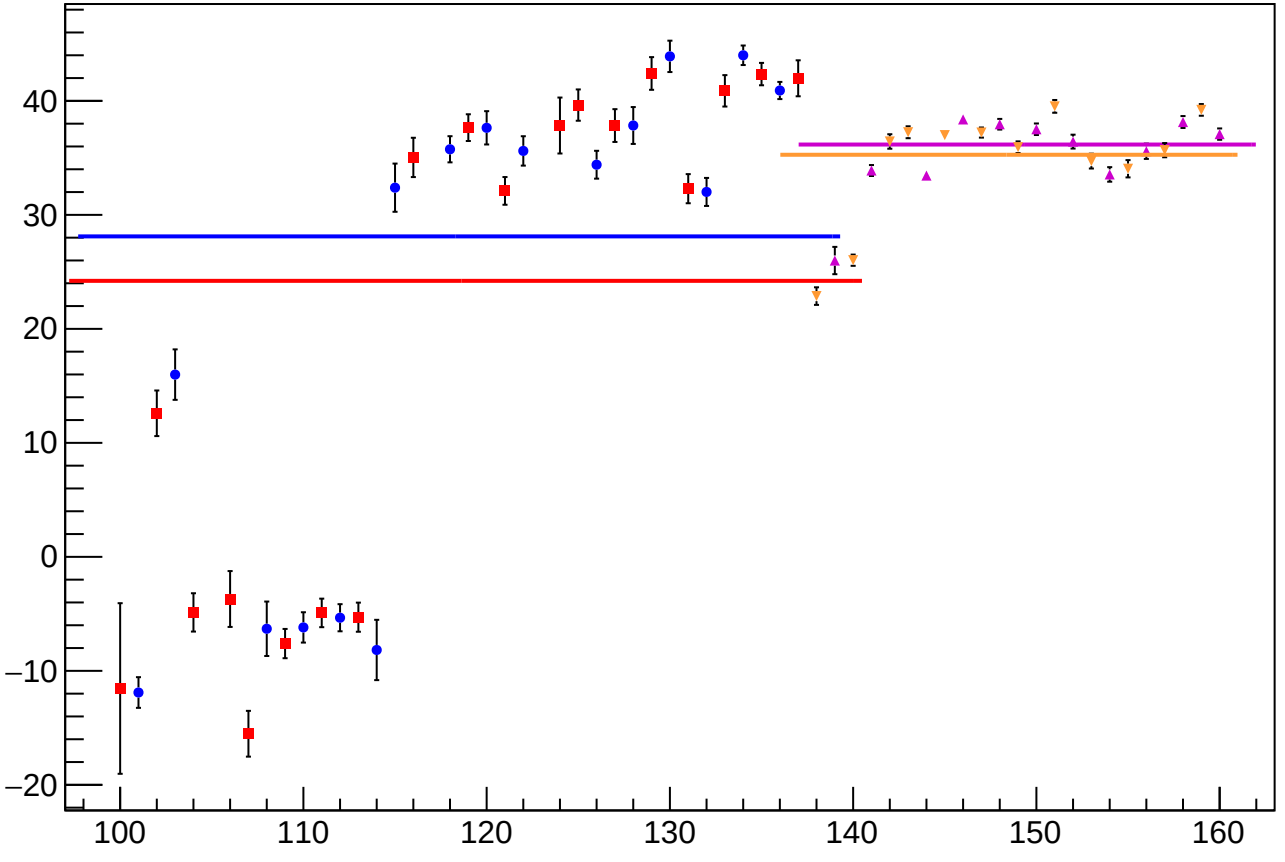
Left In: -49.652+/-0.185 χ^2/NDF:1524.5/10

+ sign -54.256+/-0.160 χ^2/NDF: 3576.1/27

All: -54.151+/-0.113 χ^2/NDF: 7580.0/57

- 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: 35.273+/-0.157 χ^2/NDF:787.4/11

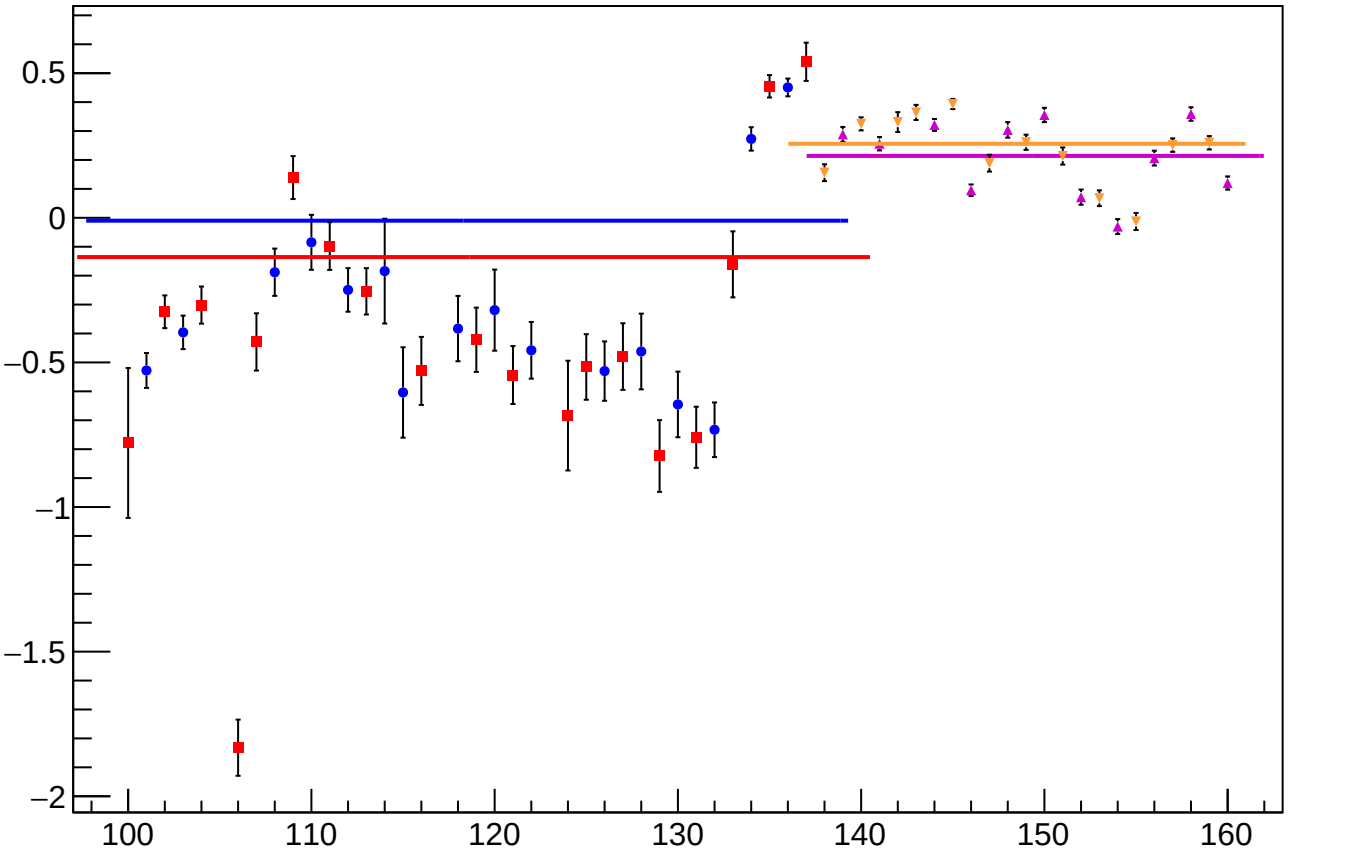
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 36.170+/-0.152 χ^2/NDF:238.7/10

+ sign 33.881+/-0.141 χ^2/NDF: 4918.6/27

All: 34.005+/-0.099 χ^2/NDF: 10053.1/57

- 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: 0.256+/-0.007 χ^2/NDF:241.6/11

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

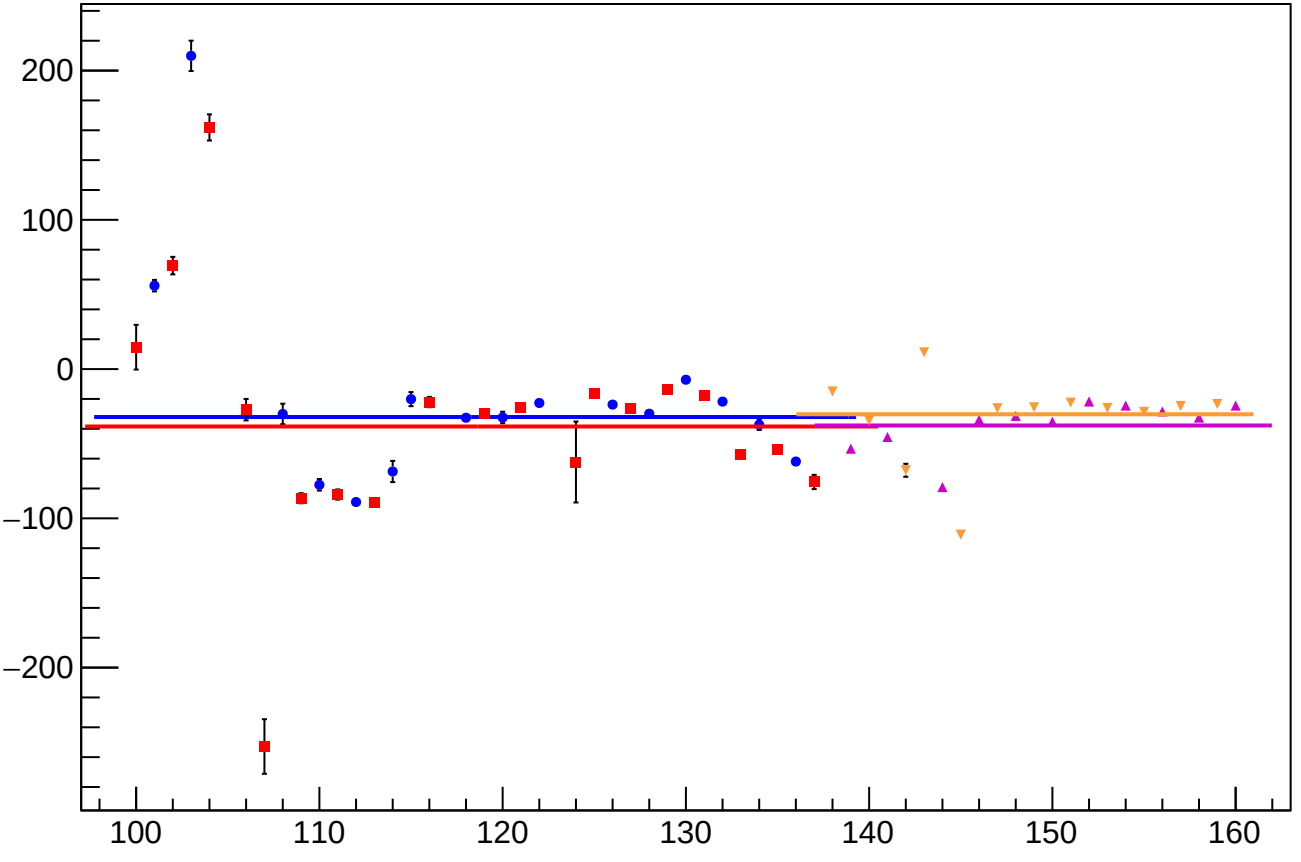
Left In: 0.214+/-0.007 χ^2/NDF:291.3/10

+ sign 0.215+/-0.007 χ^2/NDF: 1028.5/27

All: 0.192+/-0.005 χ^2/NDF: 2462.8/57

- 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: -30.274+/-0.855 χ^2/NDF:928.7/11

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

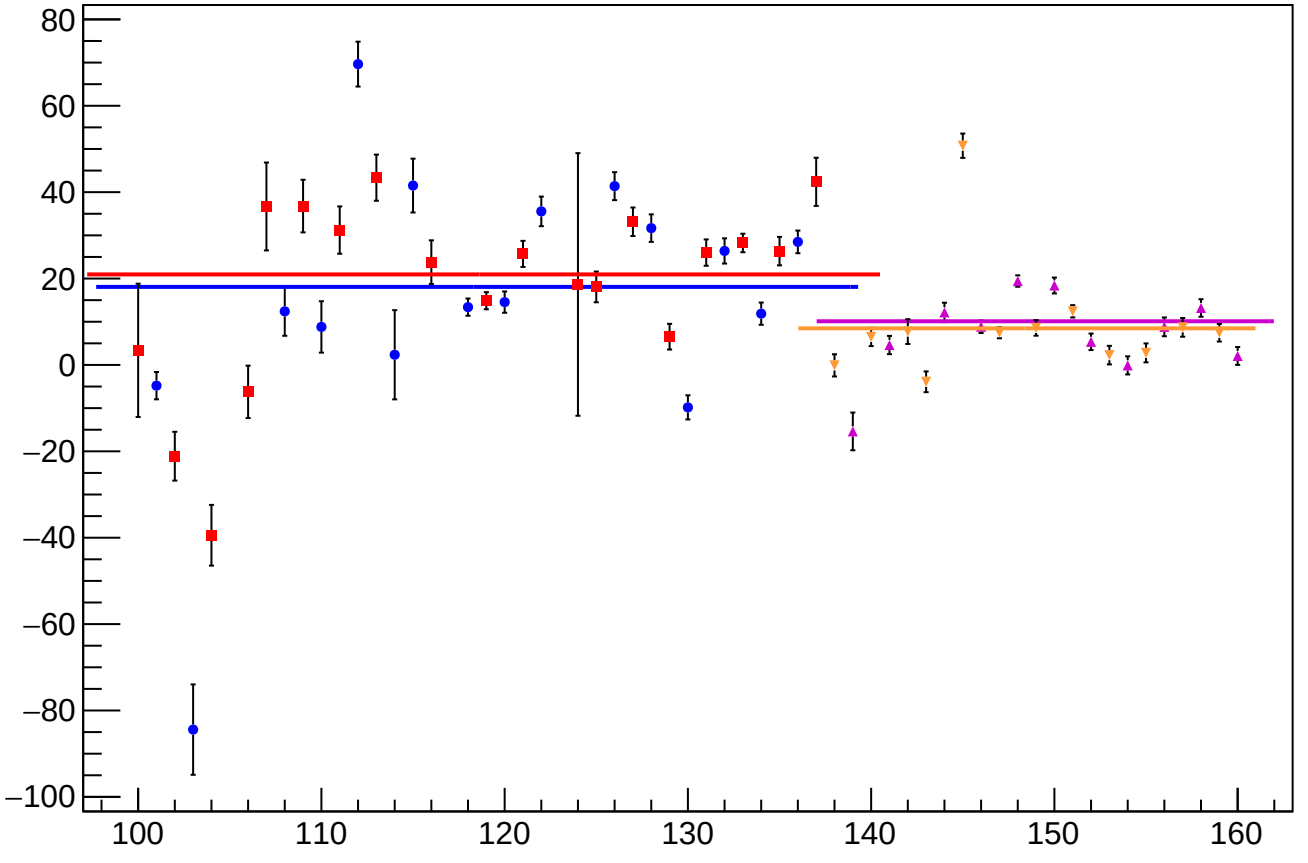
Left In: -37.779+/-0.860 χ^2/NDF:321.9/10

+ sign -31.208+/-0.600 χ^2/NDF: 2808.5/27

All: -34.610+/-0.428 χ^2/NDF: 5168.5/57

- 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: 8.472+/-0.571 χ^2/NDF:287.4/11

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

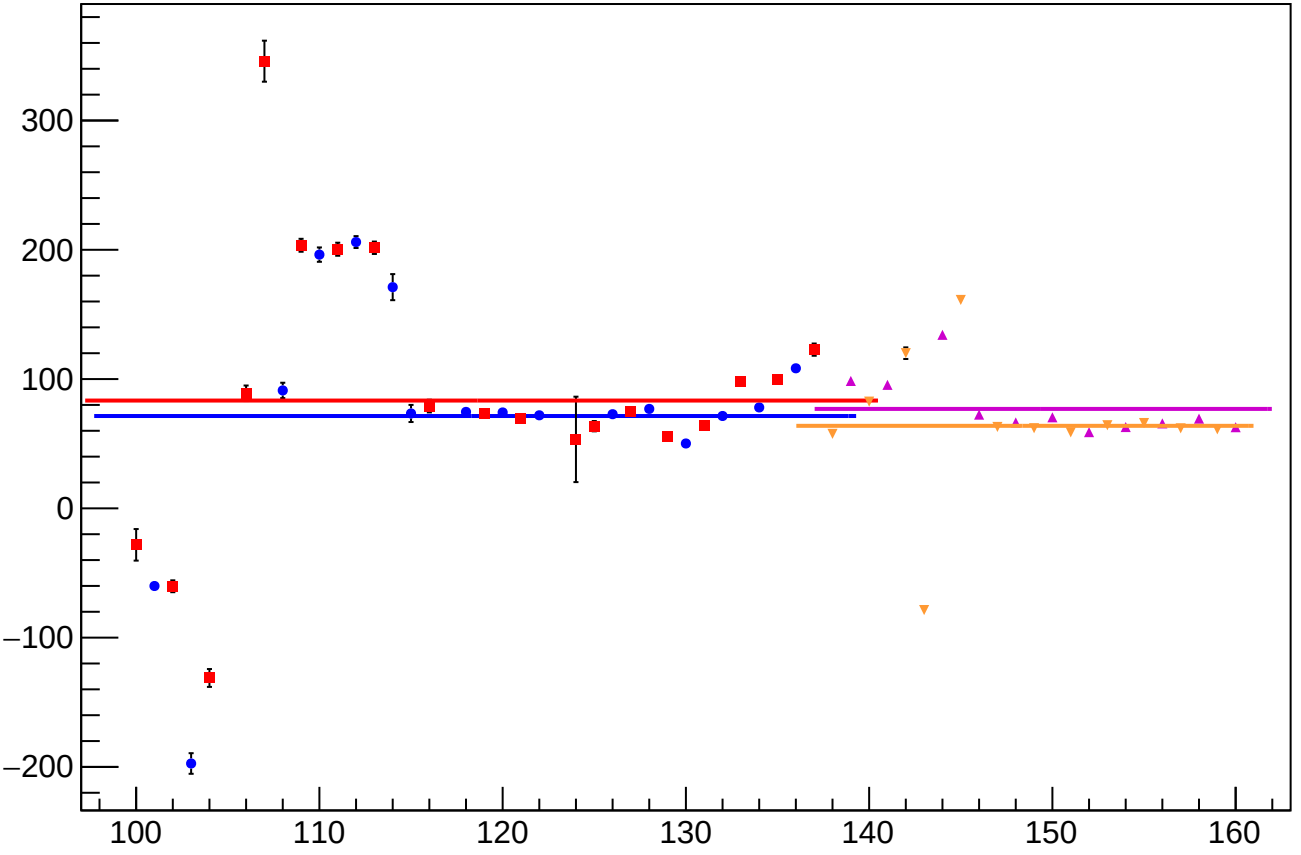
Left In: 10.113+/-0.577 χ^2/NDF:160.3/10

+ sign 11.591+/-0.469 χ^2/NDF: 878.8/27

All: 12.489+/-0.336 χ^2/NDF: 1417.6/57

- 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: 63.835+/-0.829 χ^2/NDF:2878.1/11

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

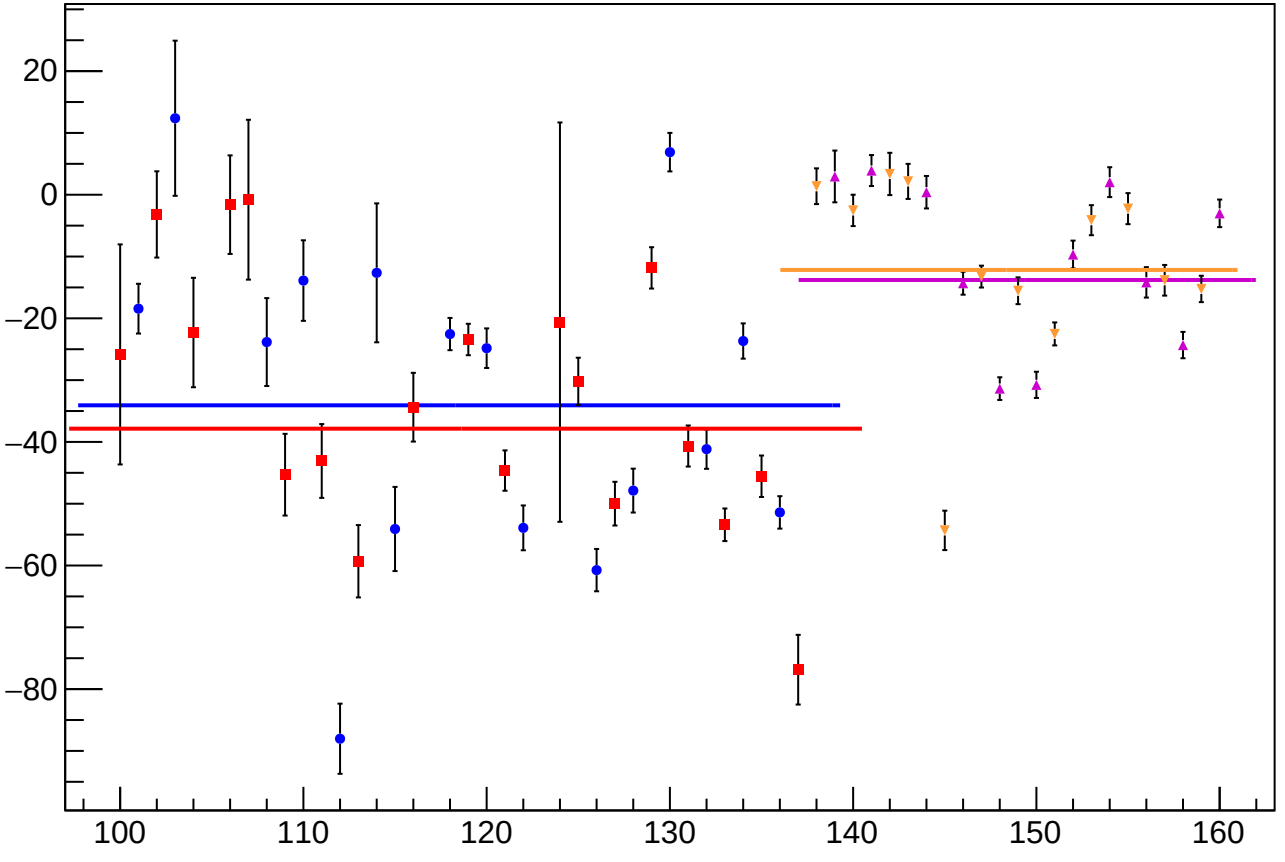
Left In: 76.919+/-0.827 χ^2/NDF:588.1/10

\+ sign 67.188+/-0.619 χ^2/NDF: 7734.7/27

All: 73.247+/-0.443 χ^2/NDF: 12841.5/57

\- 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: -12.170+/-0.688 χ^2/NDF:320.2/11

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

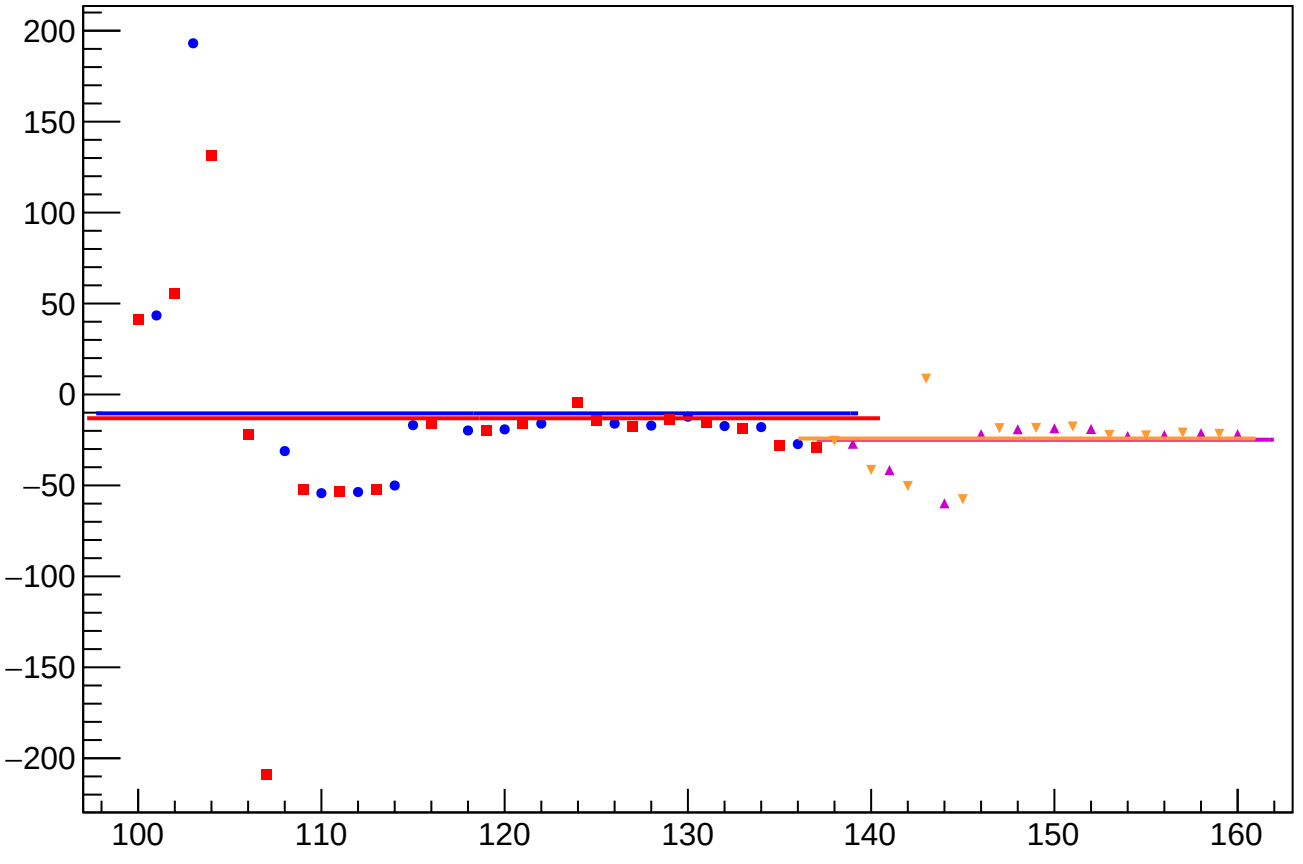
Left In: -13.796+/-0.686 χ^2/NDF:344.8/10

+ sign -19.784+/-0.555 χ^2/NDF: 1184.1/27

All: -20.659+/-0.396 χ^2/NDF: 2205.5/57

- 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: -24.213+/-0.032 χ^2/NDF:176787.8/11

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

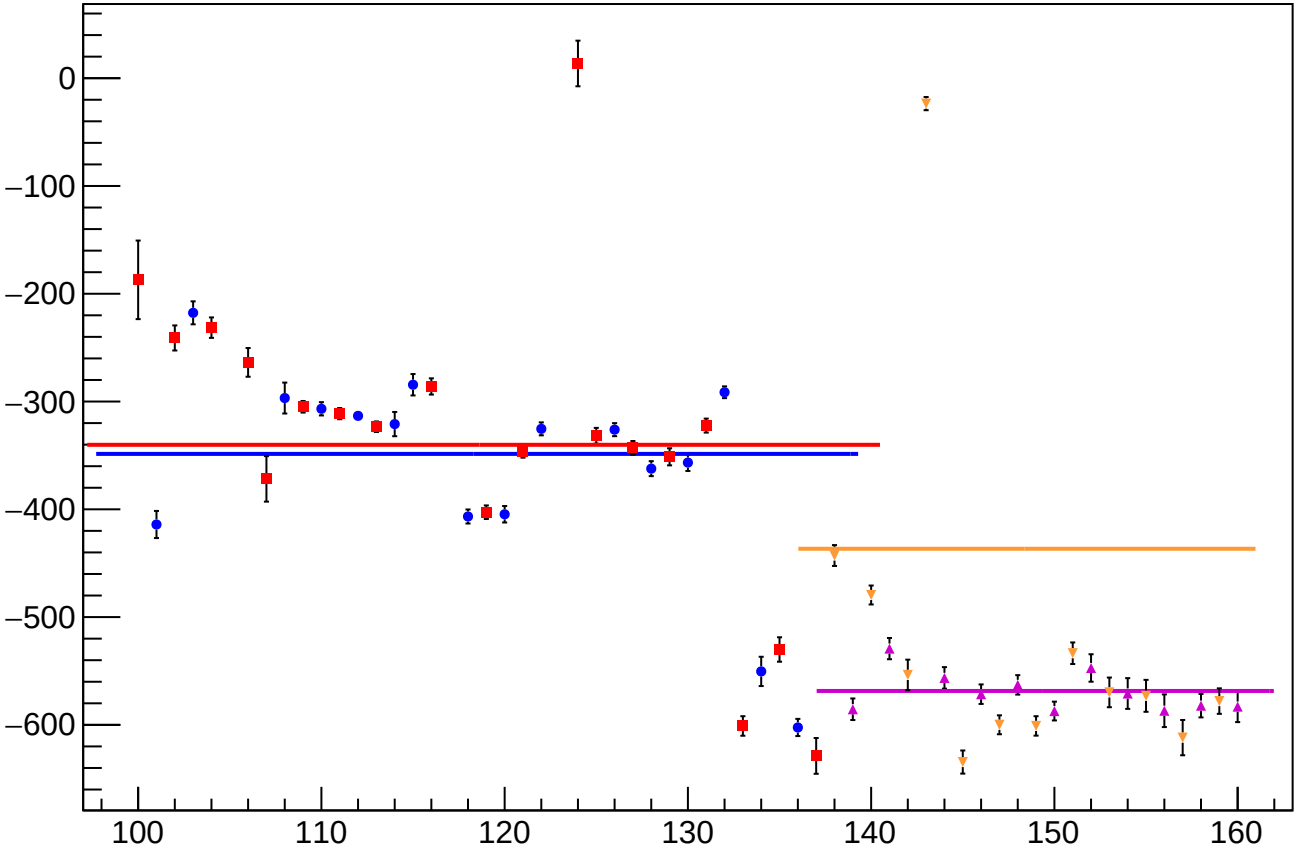
Left In: -24.872+/-0.031 χ^2/NDF:96732.3/10

+ sign -20.939+/-0.028 χ^2/NDF: 744213.4/27

All: -21.746+/-0.020 χ^2/NDF: 1320795.7/57

- 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: -436.604+/-2.887 χ^2/NDF:6193.8/11

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

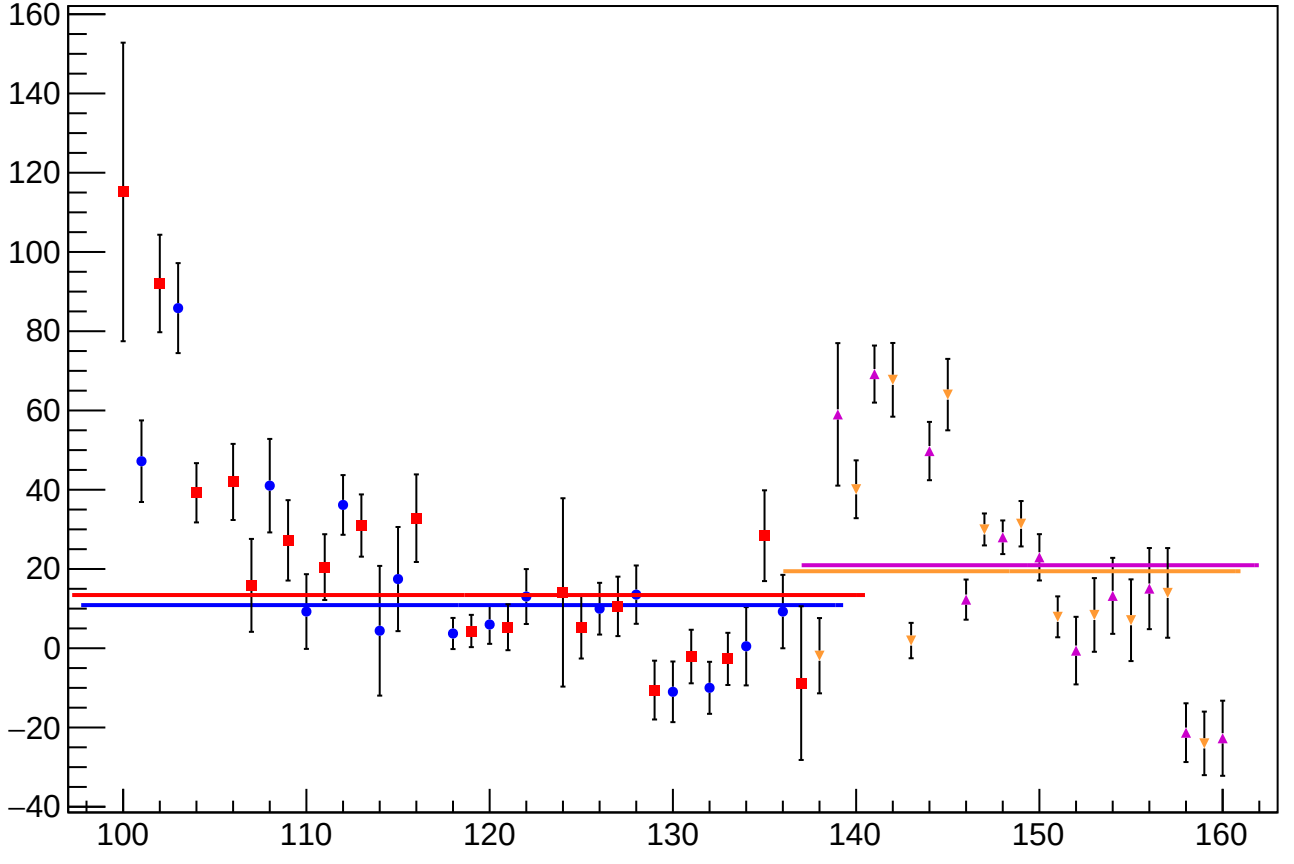
Left In: -568.540+/-3.217 χ^2/NDF:32.2/10

\+ sign -373.705+/-1.542 χ^2/NDF: 8716.1/27

All: -383.211+/-1.091 χ^2/NDF: 14901.5/57

\- 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: 19.435+/-1.898 χ^2/NDF:128.5/11

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

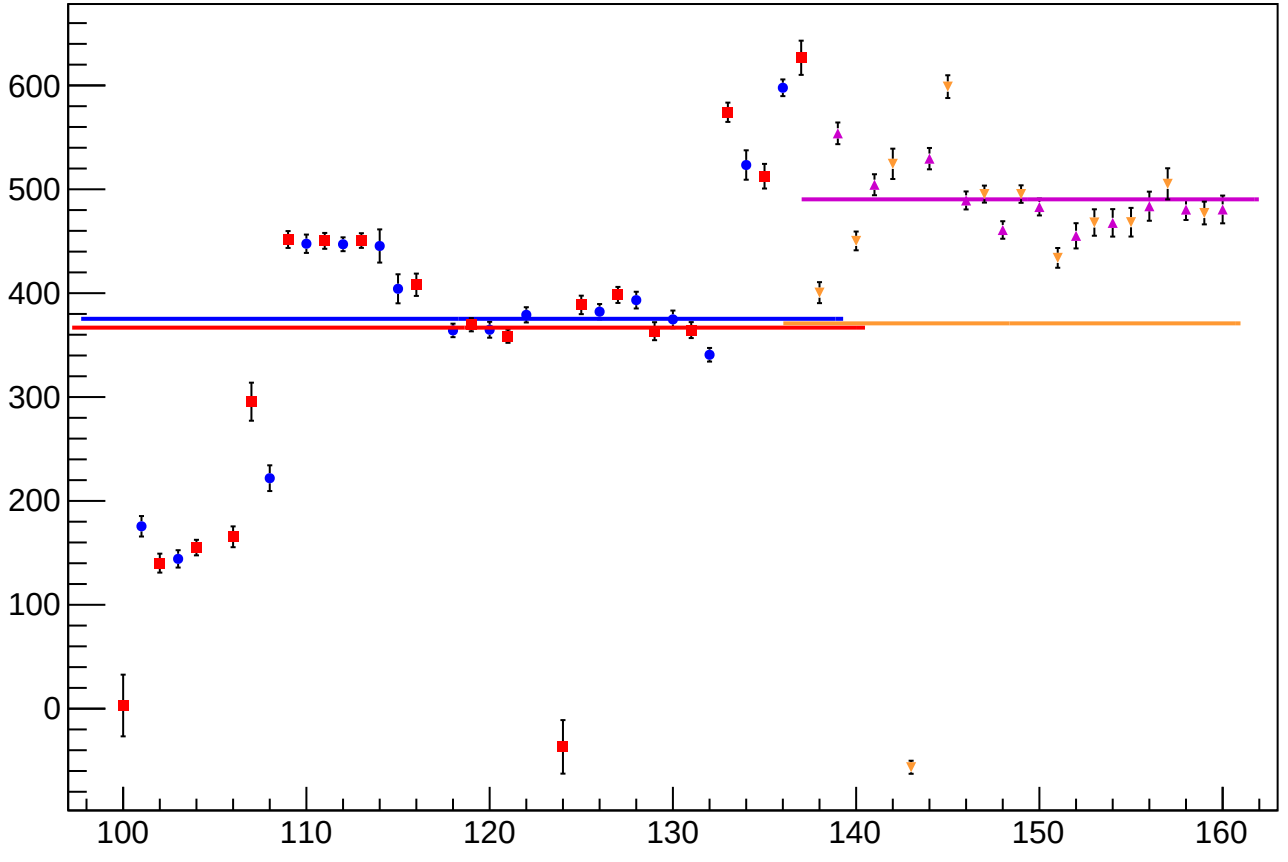
Left In: 20.952+/-2.094 χ^2/NDF:131.6/10

+ sign 15.036+/-1.322 χ^2/NDF: 237.1/27

All: 15.844+/-0.957 χ^2/NDF: 489.2/57

- 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: 370.934+/-2.834 χ^2/NDF:6010.1/11

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

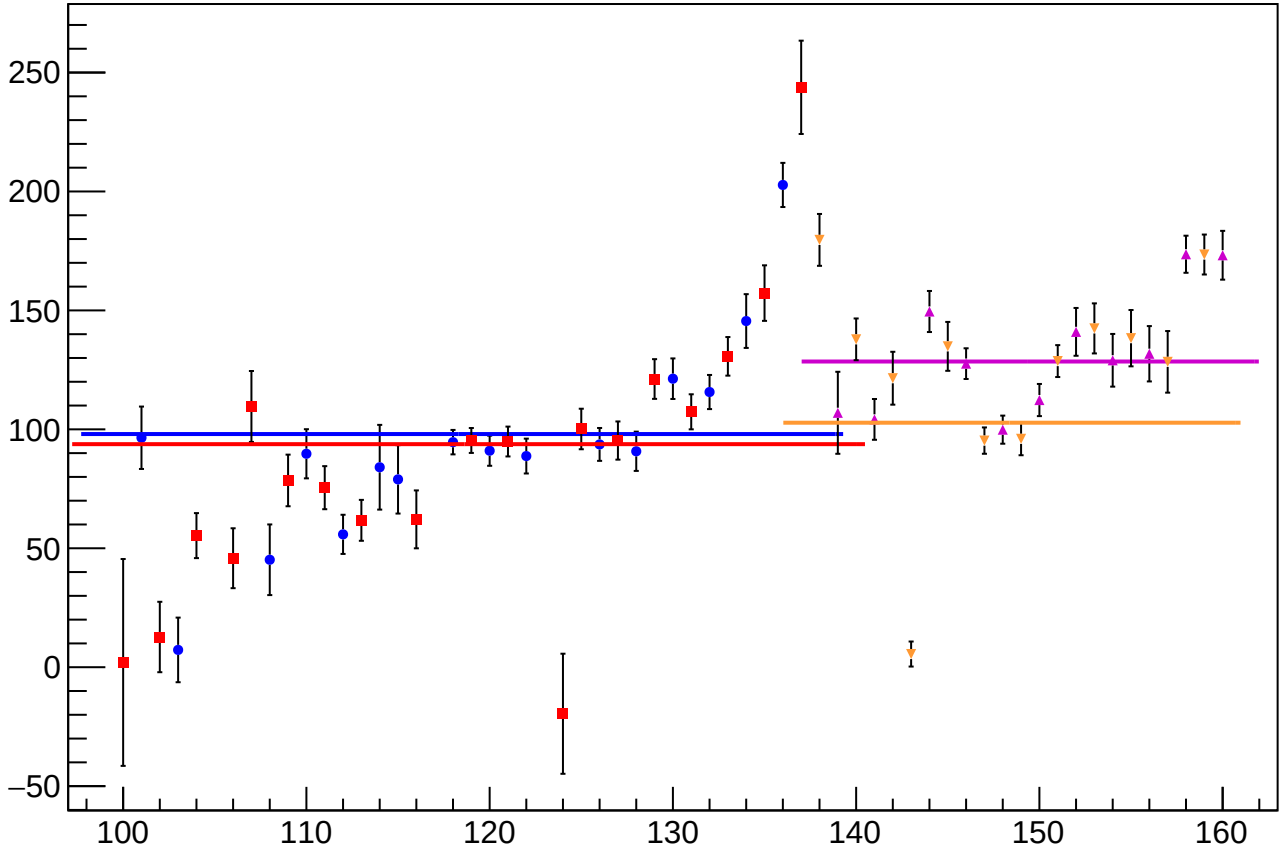
Left In: 490.329+/-3.101 χ^2/NDF:79.6/10

+ sign 373.763+/-1.689 χ^2/NDF: 8461.1/27

All: 388.873+/-1.201 χ^2/NDF: 13347.7/57

- 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: 102.788+/-2.311 χ^2/NDF:535.4/11

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

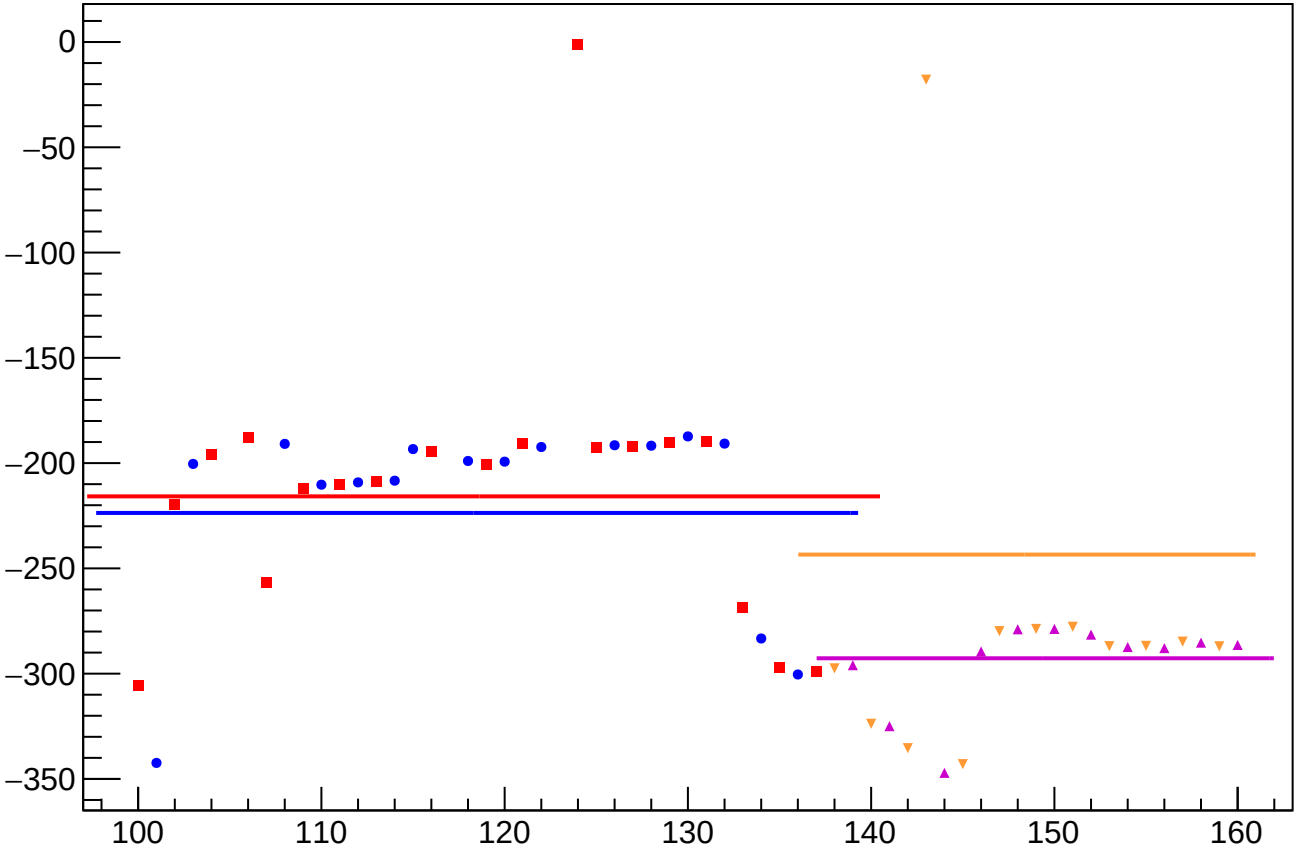
Left In: 128.514+/-2.529 χ^2/NDF:98.9/10

+ sign 100.226+/-1.572 χ^2/NDF: 787.1/27

All: 104.087+/-1.132 χ^2/NDF: 1245.7/57

- 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: -243.449+/-0.113 χ^2/NDF:945483.9/11

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

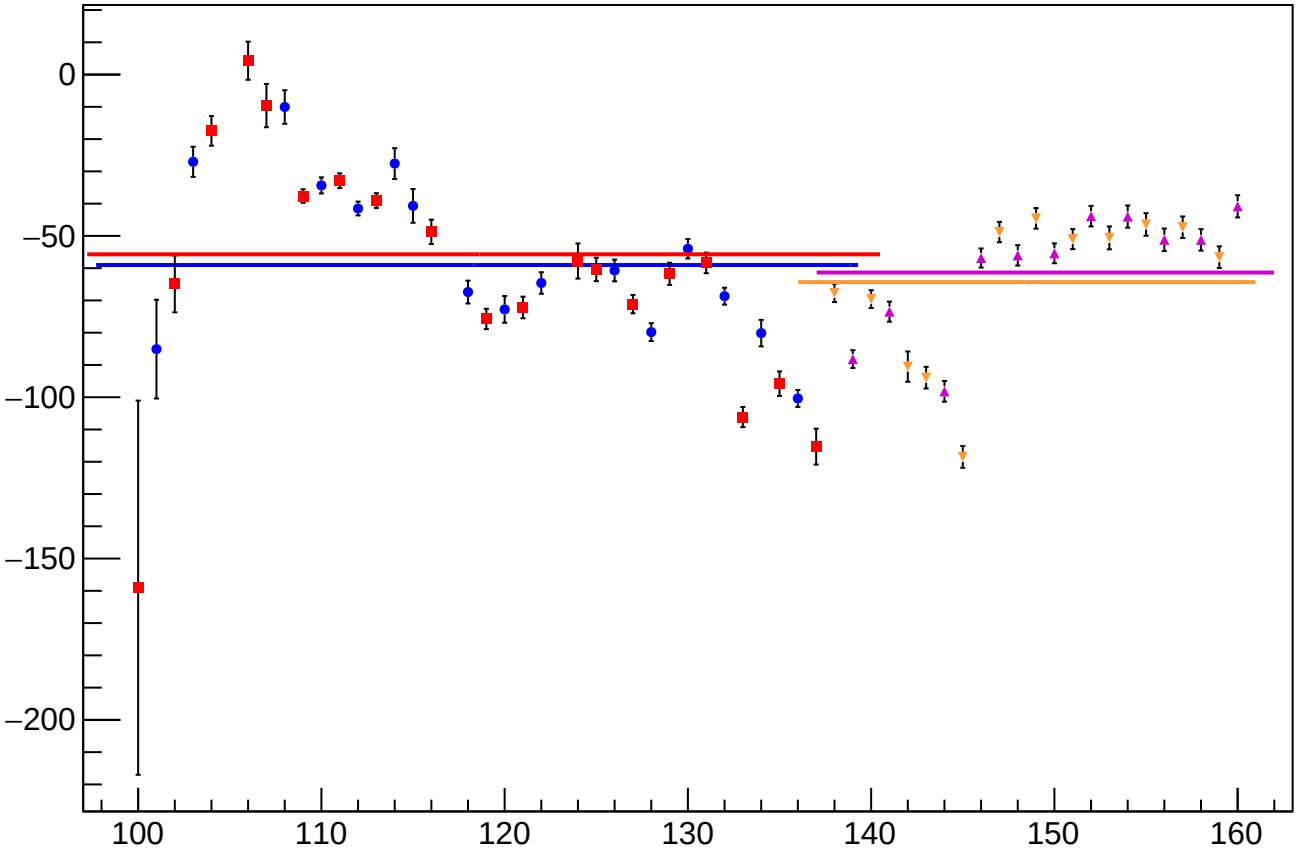
Left In: -292.698+/-0.119 χ^2/NDF:25110.8/10

+ sign -235.535+/-0.087 χ^2/NDF: 1079290.4/27

All: -246.978+/-0.062 χ^2/NDF: 1404371.9/57

- 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: -64.318+/-0.945 χ^2/NDF:523.4/11

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

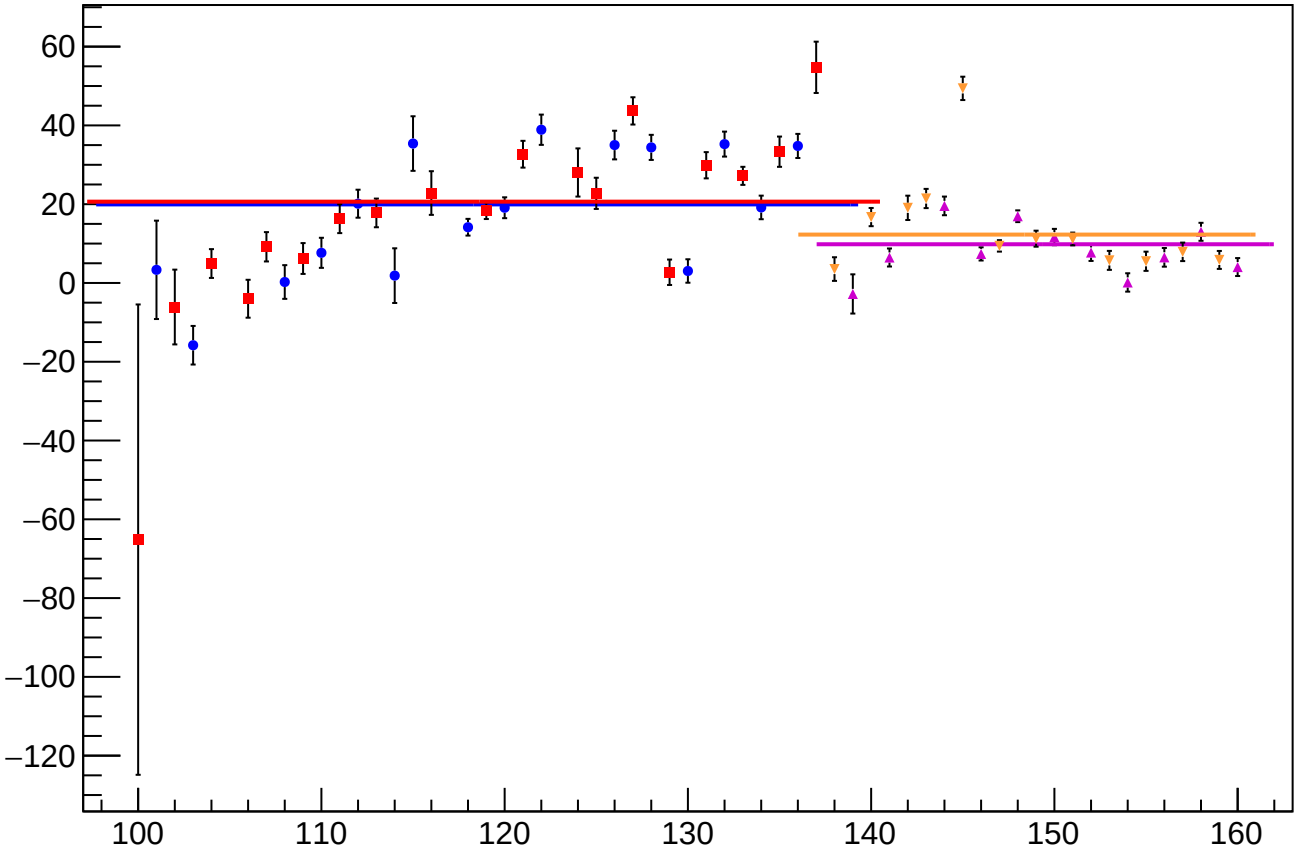
Left In: -61.358+/-0.957 χ^2/NDF:359.3/10

+ sign -61.330+/-0.623 χ^2/NDF: 1268.4/27

All: -59.623+/-0.436 χ^2/NDF: 2704.3/57

- 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: 12.283+/-0.633 χ^2/NDF:219.1/11

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

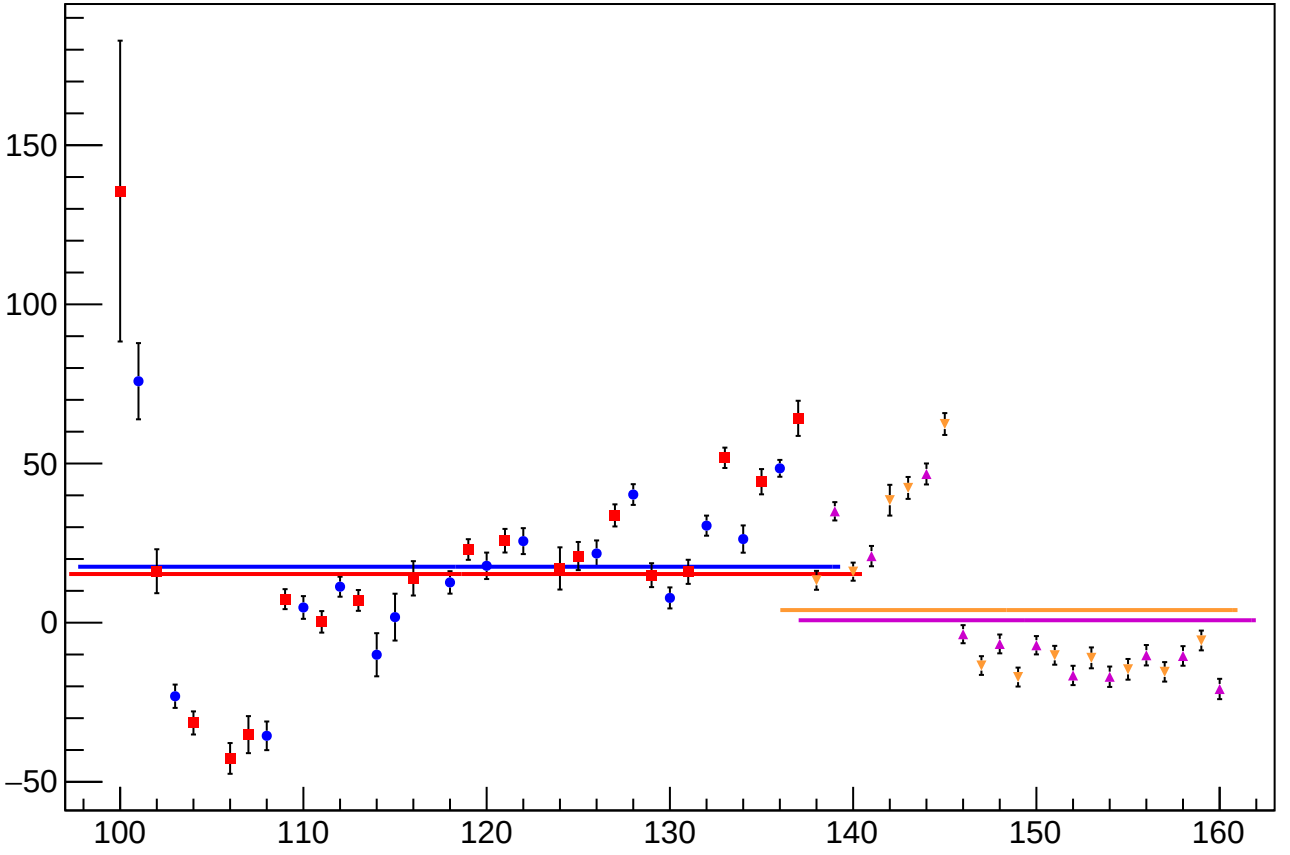
Left In: 9.827+/-0.644 χ^2/NDF:79.7/10

+ sign 14.947+/-0.511 χ^2/NDF: 517.2/27

All: 14.378+/-0.362 χ^2/NDF: 927.9/57

- 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: 3.958+/-0.917 χ^2/NDF:703.9/11

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

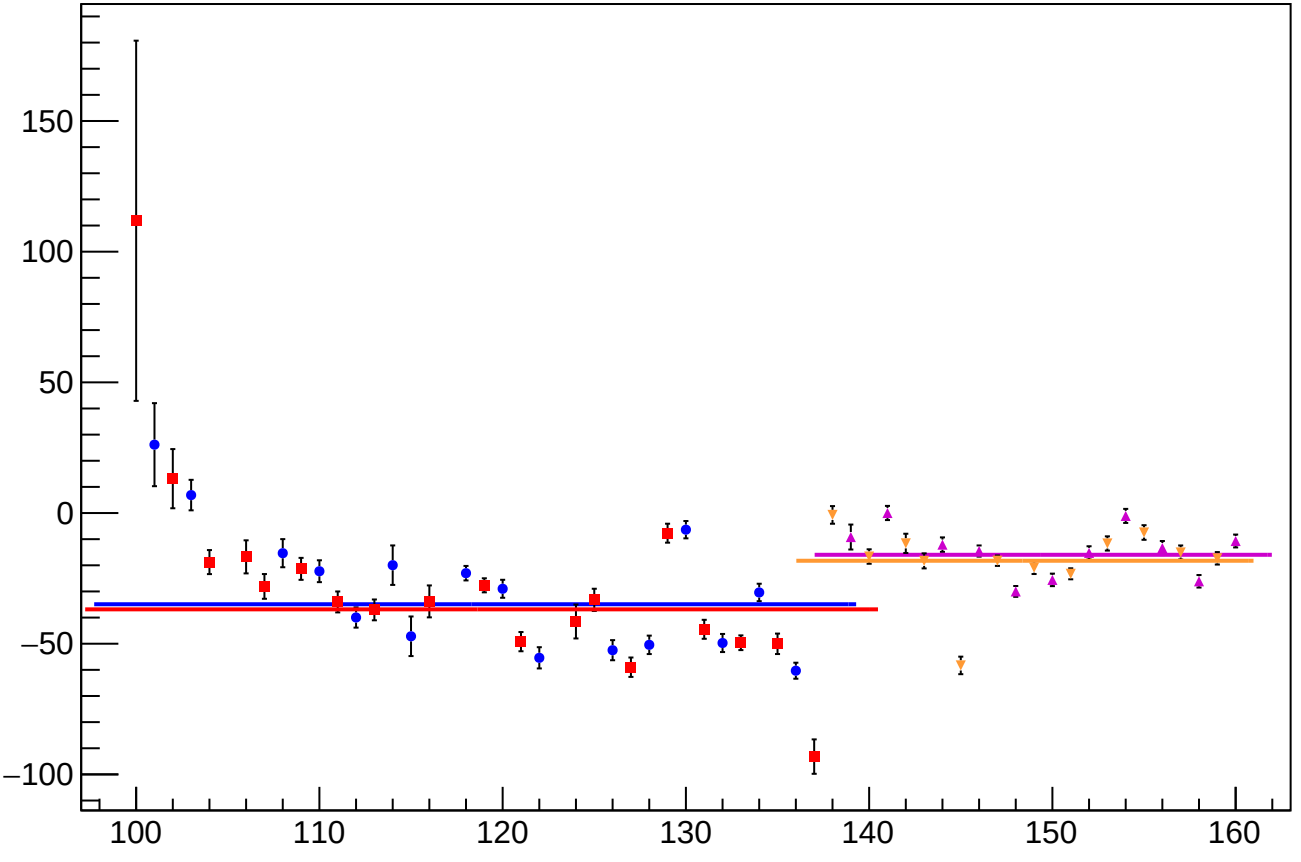
Left In: 0.760+/-0.922 χ^2/NDF:525.5/10

+ sign 10.479+/-0.662 χ^2/NDF: 1355.6/27

All: 9.191+/-0.466 χ^2/NDF: 2741.2/57

- 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: -18.257+/-0.762 χ^2/NDF:202.3/11

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

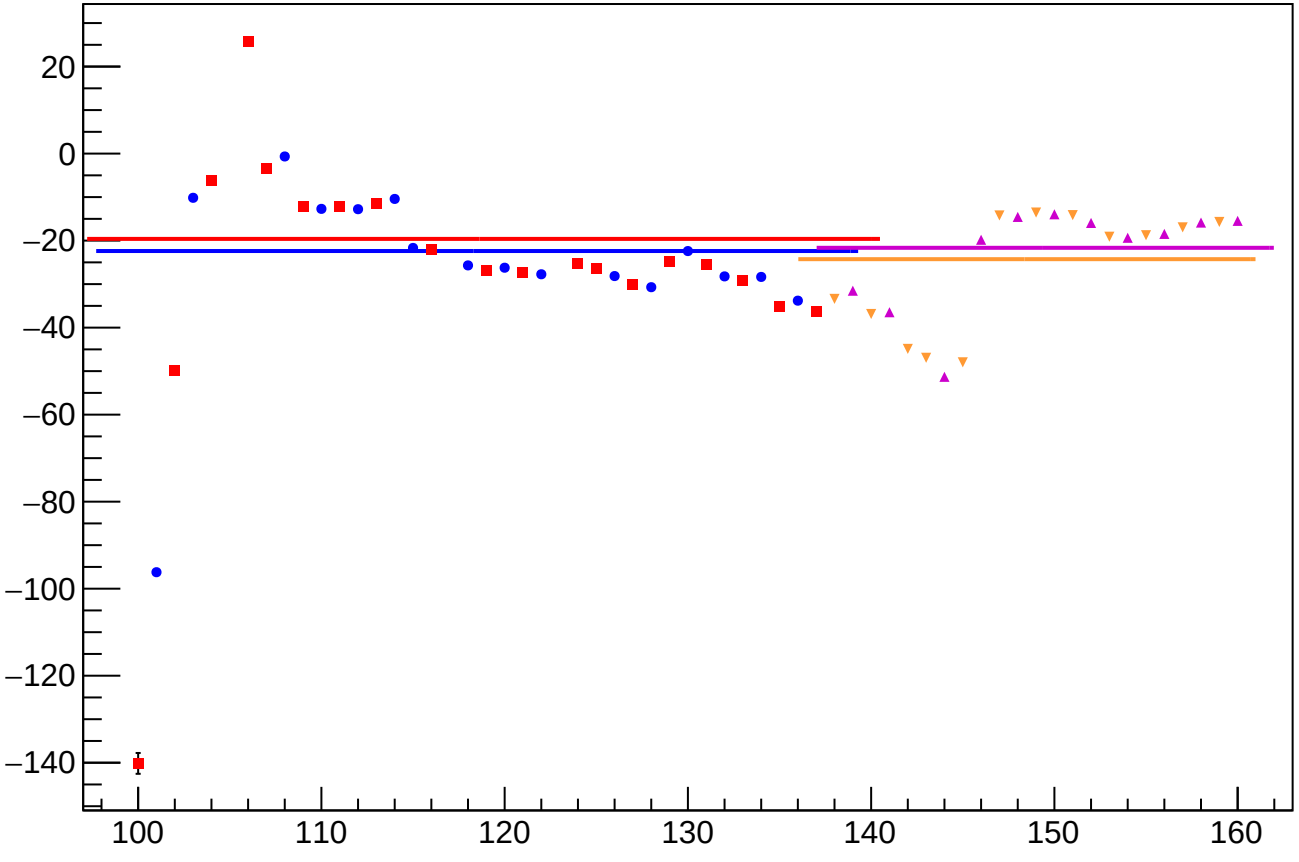
Left In: -15.977+/-0.765 χ^2/NDF:155.0/10

+ sign -24.444+/-0.604 χ^2/NDF: 726.4/27

All: -24.214+/-0.426 χ^2/NDF: 1468.9/57

- 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: -24.267+/-0.035 χ^2/NDF:120148.4/11

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

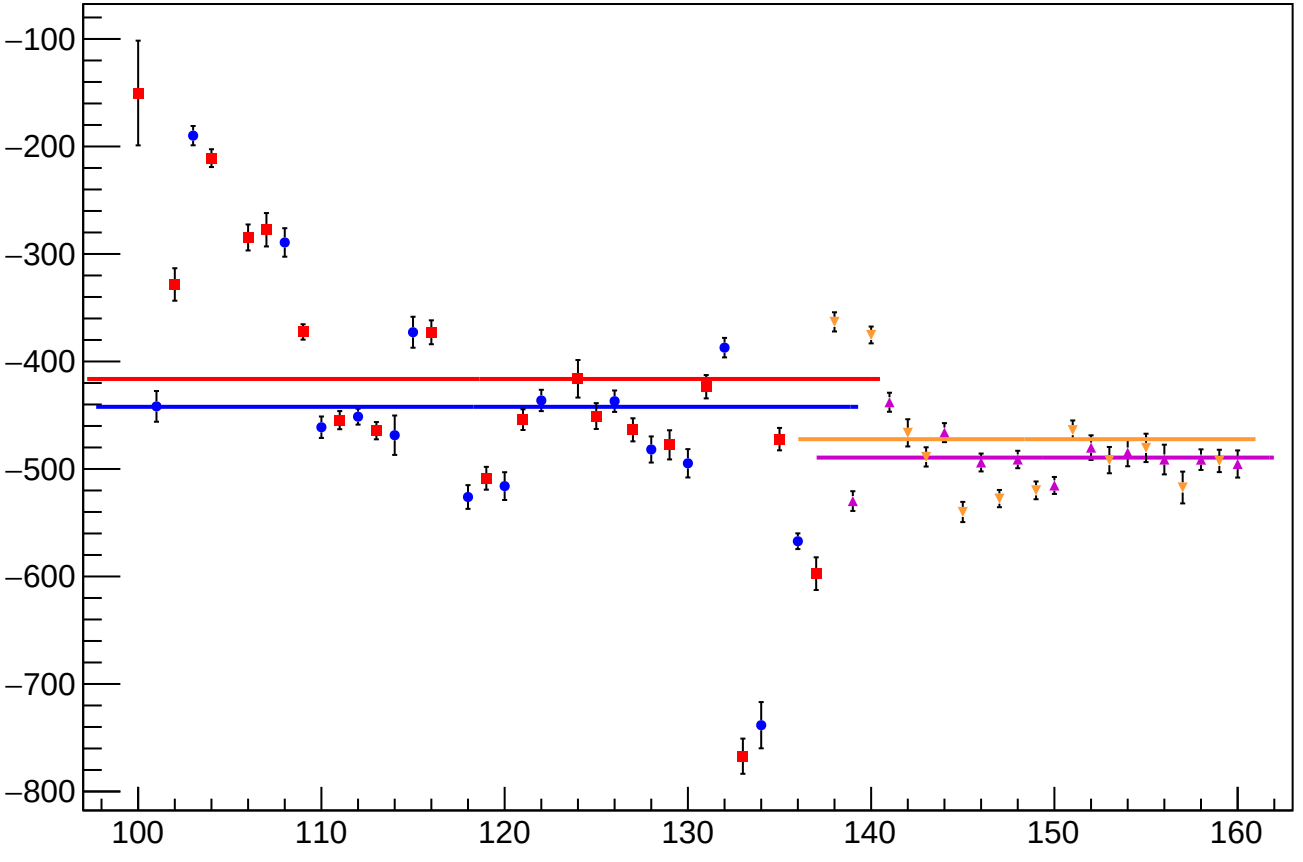
Left In: -21.654+/-0.034 χ^2/NDF:80746.7/10

+ sign -23.769+/-0.030 χ^2/NDF: 167426.4/27

All: -22.444+/-0.021 χ^2/NDF: 336792.0/57

- 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: -472.298+/-2.801 χ^2/NDF:455.6/11

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

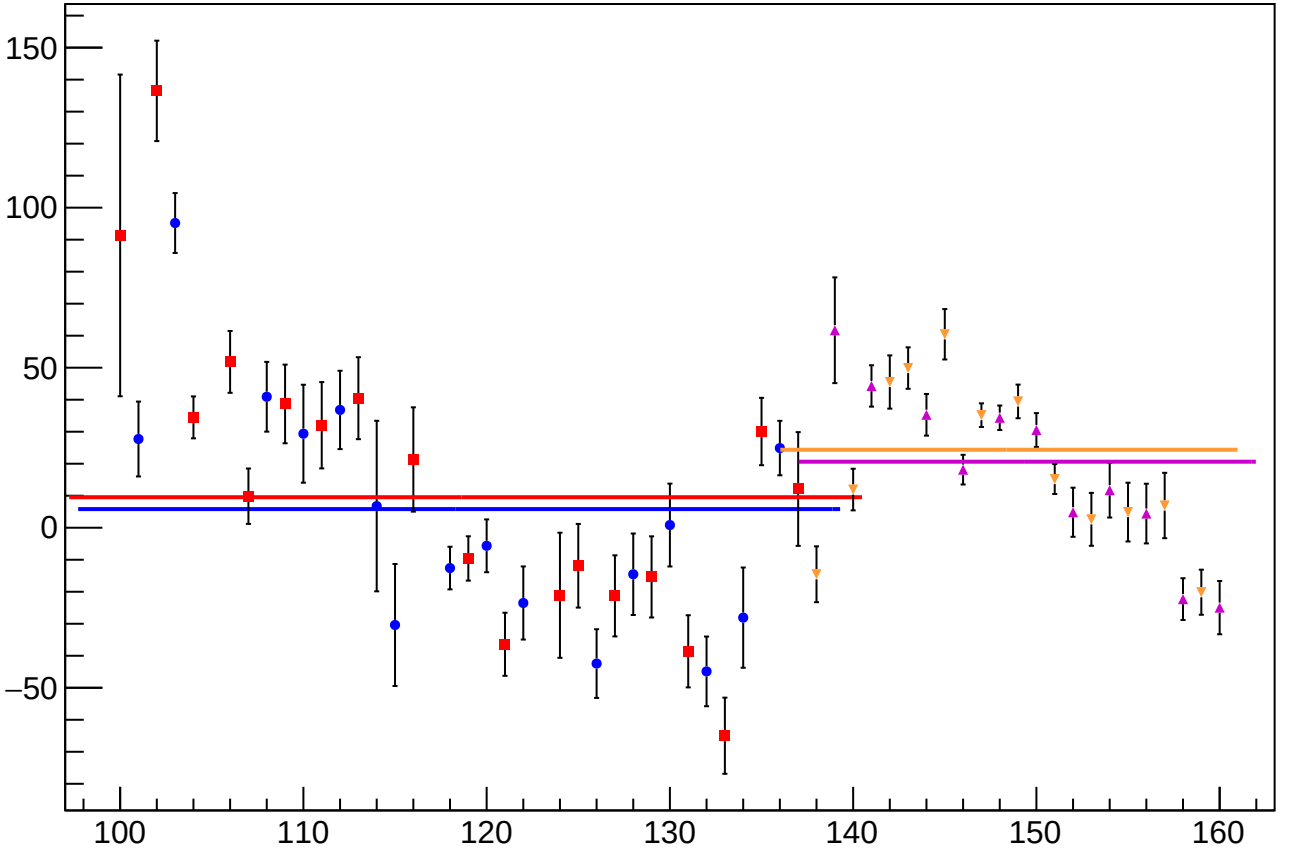
Left In: -489.420+/-2.895 χ^2/NDF:72.4/10

+ sign -456.586+/-1.937 χ^2/NDF: 2105.0/27

All: -452.130+/-1.357 χ^2/NDF: 4304.6/57

- 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: 24.367+/-1.817 χ^2/NDF:141.5/11

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

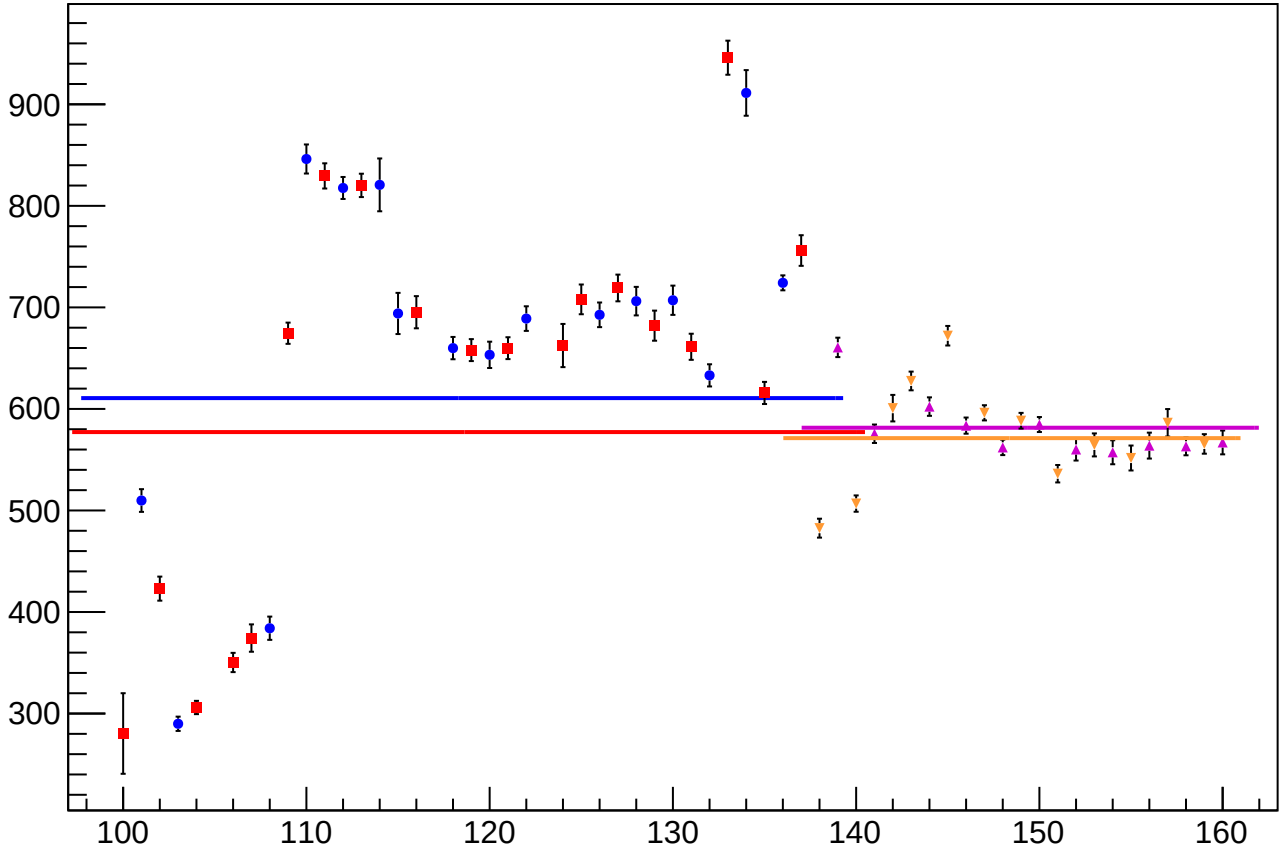
Left In: 20.633+/-1.883 χ^2/NDF:123.0/10

+ sign 18.671+/-1.512 χ^2/NDF: 361.7/27

All: 17.703+/-1.071 χ^2/NDF: 719.8/57

- 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: 571.242+/-2.729 χ^2/NDF:343.9/11

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

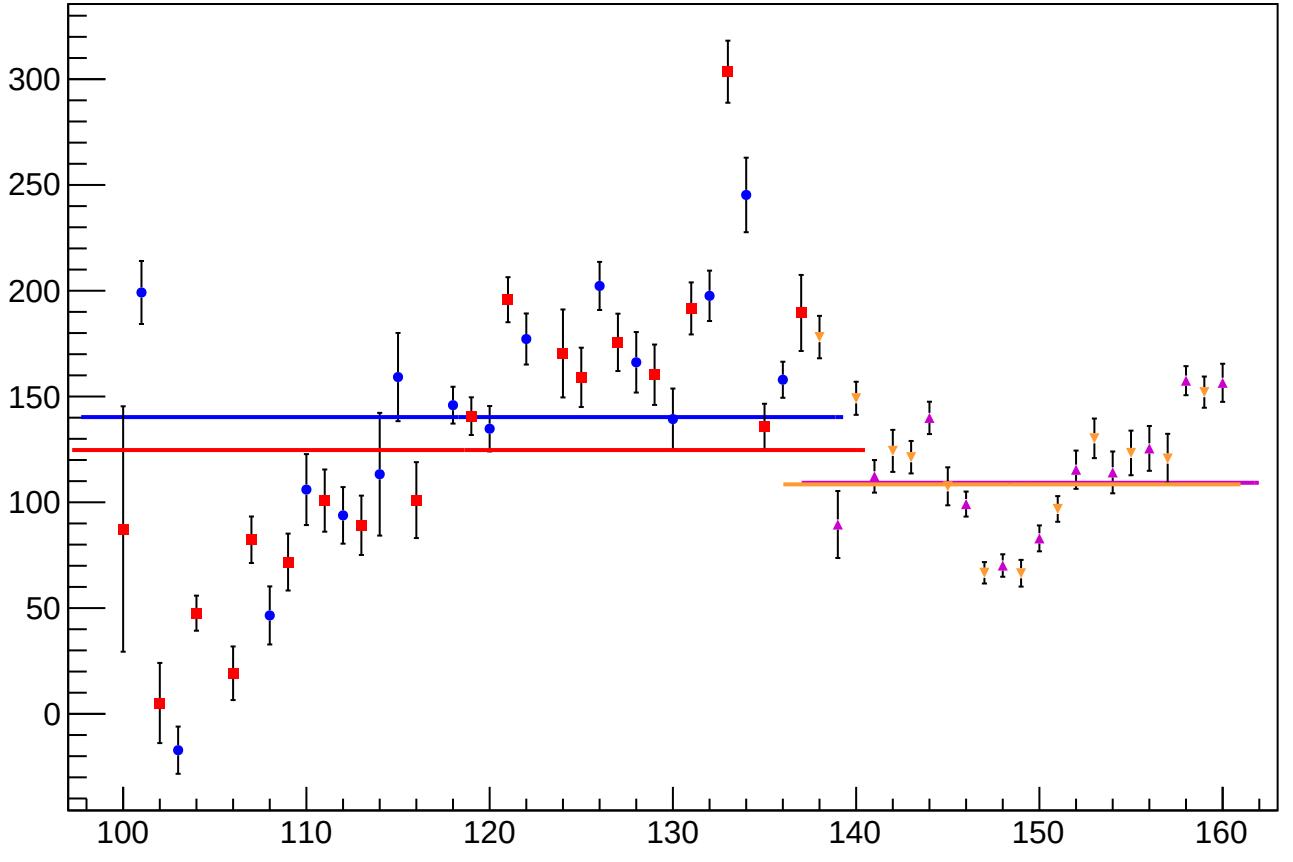
Left In: 581.479+/-2.790 χ^2/NDF:96.6/10

+ sign 589.813+/-1.985 χ^2/NDF: 4334.8/27

All: 584.498+/-1.395 χ^2/NDF: 9247.1/57

- 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: 108.474+/-2.219 χ^2/NDF:240.1/11

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

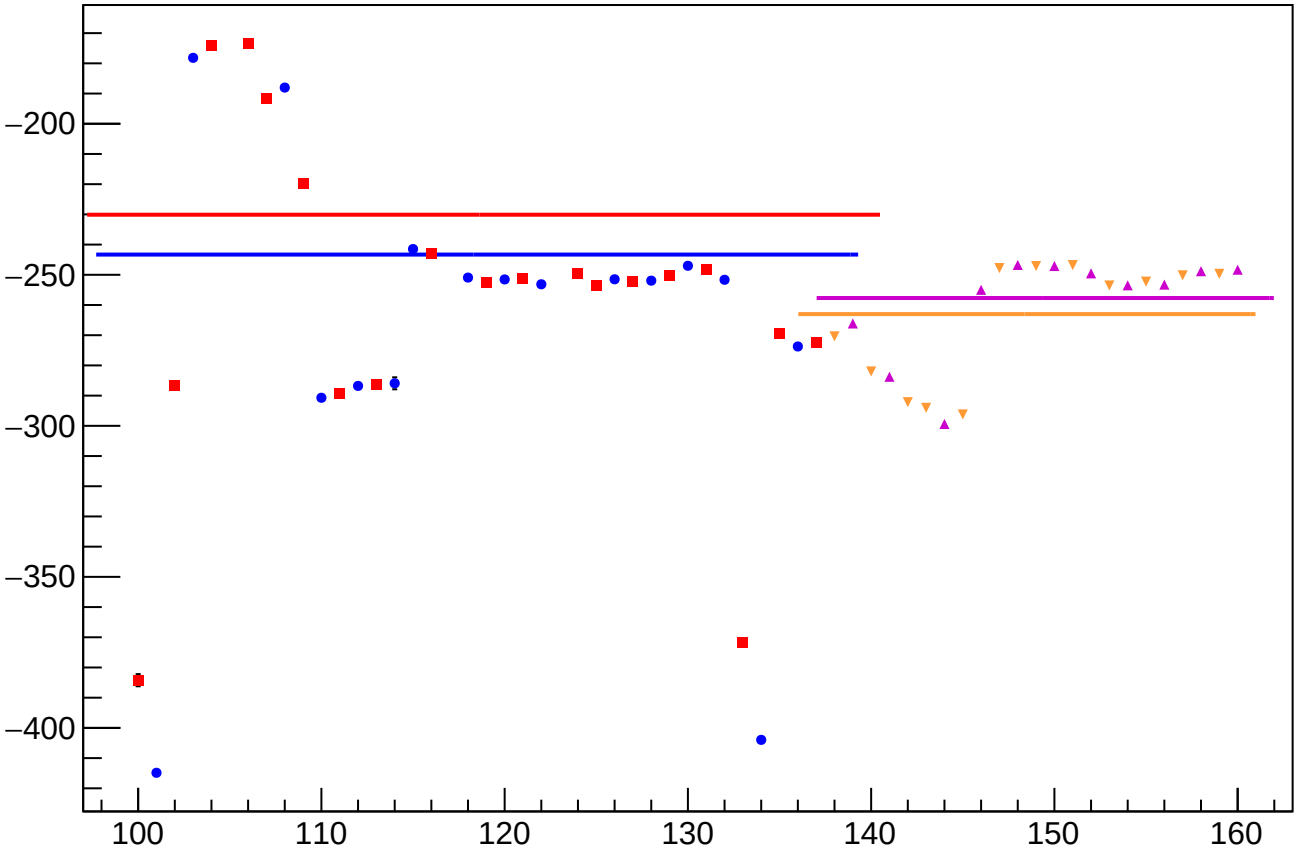
Left In: 109.236+/-2.273 χ^2/NDF:173.4/10

+ sign 119.015+/-1.814 χ^2/NDF: 693.5/27

All: 116.961+/-1.280 χ^2/NDF: 1395.0/57

- 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: -263.015+/-0.108 χ^2/NDF:30684.9/11

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

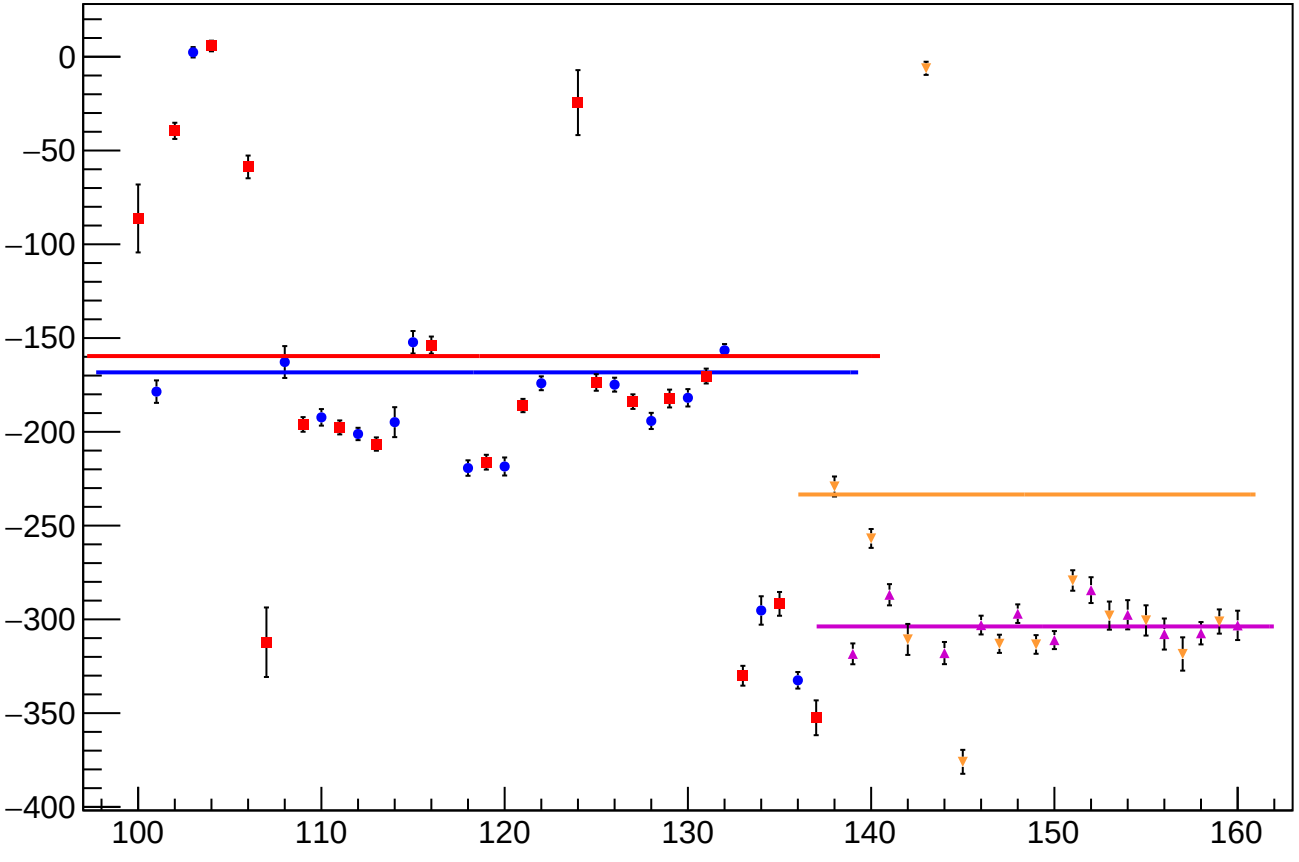
Left In: -257.689+/-0.107 χ^2/NDF:20596.7/10

+ sign -256.971+/-0.090 χ^2/NDF: 214367.5/27

All: -252.900+/-0.063 χ^2/NDF: 362435.8/57

- 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: -233.407+/-1.620 χ^2/NDF:5745.4/11

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

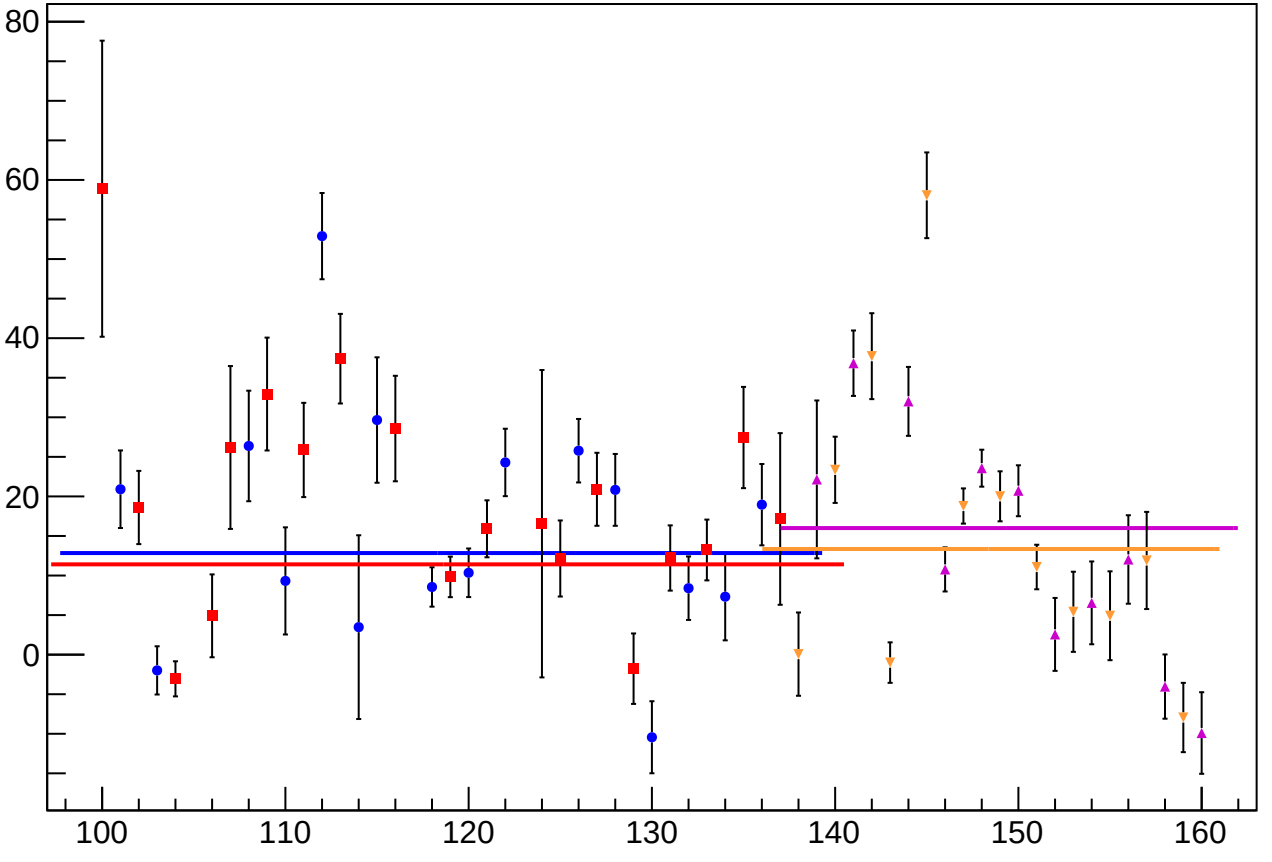
Left In: -303.770+/-1.789 χ^2/NDF:34.9/10

+ sign -188.221+/-0.896 χ^2/NDF: 12774.4/27

All: -192.167+/-0.635 χ^2/NDF: 24896.3/57

- 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: 13.355+/-1.059 χ^2/NDF:171.3/11

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

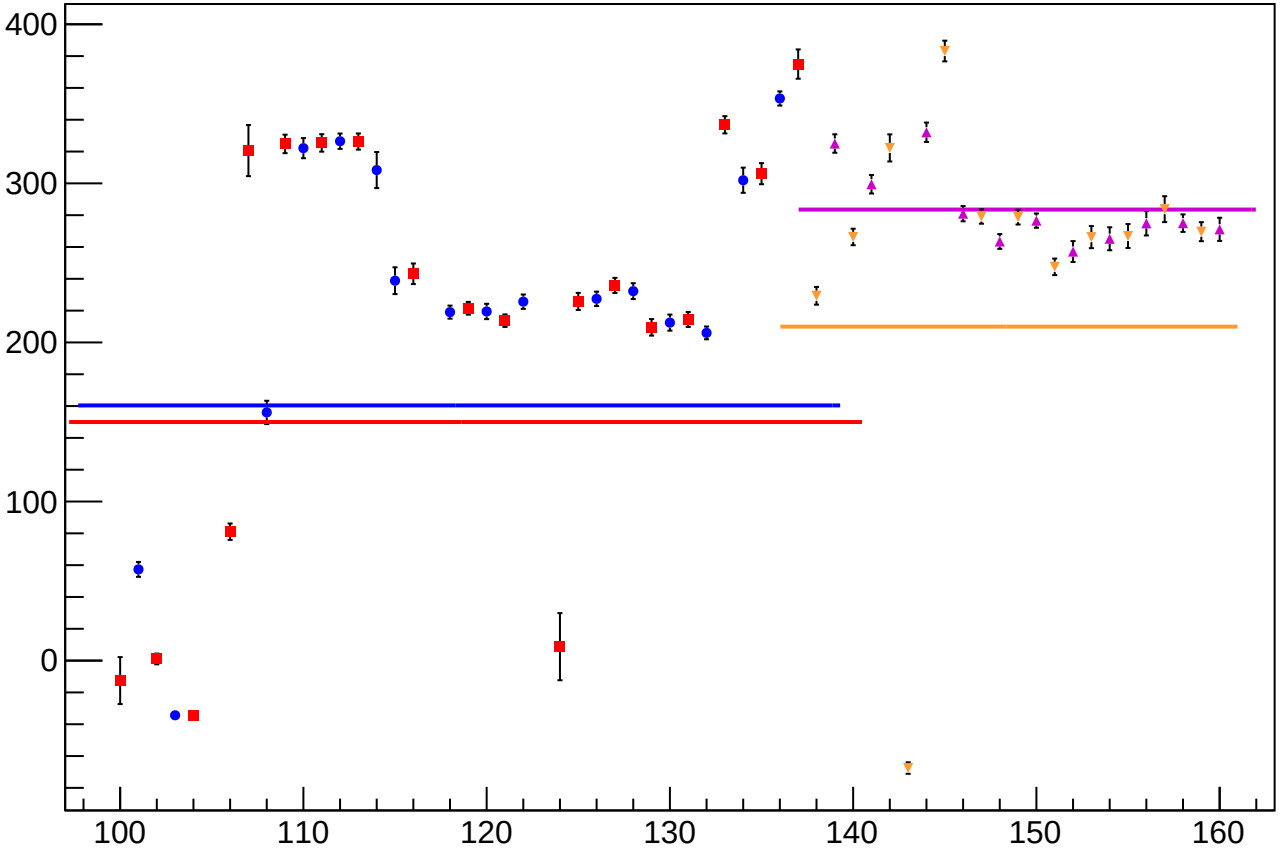
Left In: 15.999+/-1.160 χ^2/NDF:117.3/10

+ sign 13.102+/-0.755 χ^2/NDF: 315.1/27

All: 13.271+/-0.540 χ^2/NDF: 560.8/57

- 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: 209.954+/-1.586 χ^2/NDF:7733.6/11

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

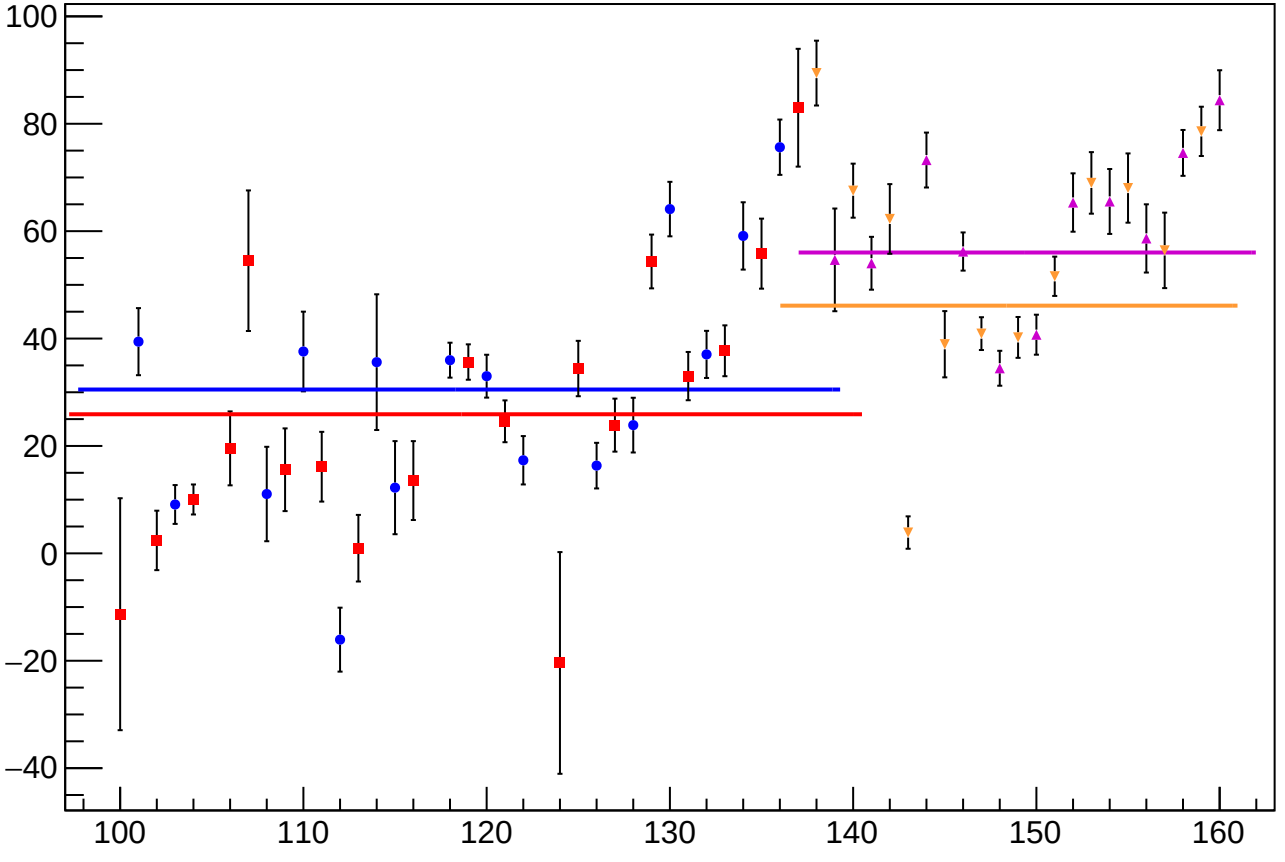
Left In: 283.528+/-1.721 χ^2/NDF:173.1/10

\+ sign 177.266+/-0.925 χ^2/NDF: 22327.3/27

All: 183.115+/-0.656 χ^2/NDF: 43105.2/57

\- 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: 46.128+/-1.291 χ^2/NDF:360.5/11

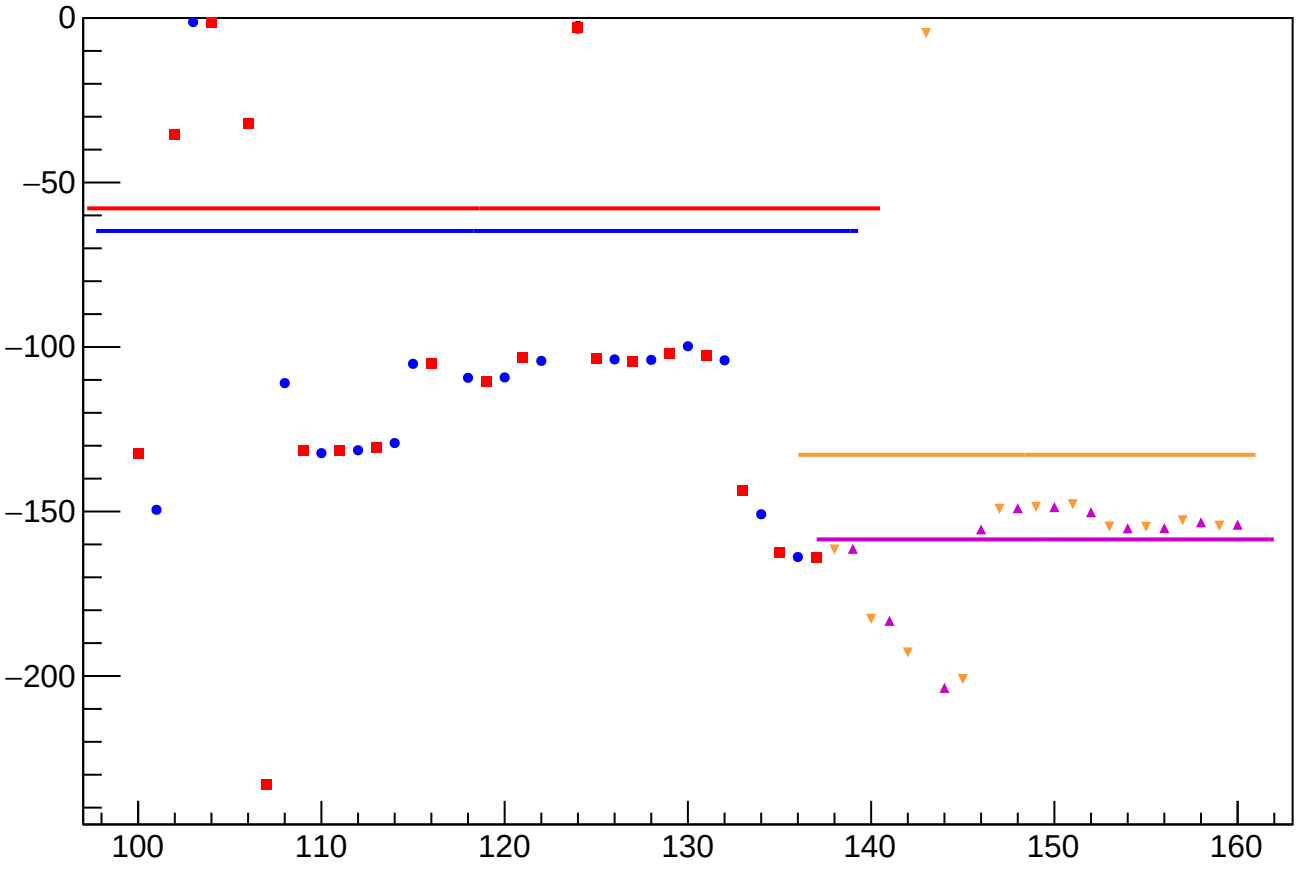
Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 56.024+/-1.401 χ^2/NDF:122.7/10

+ sign 38.096+/-0.900 χ^2/NDF: 712.7/27

All: 38.444+/-0.642 χ^2/NDF: 1287.5/57

- sign 38.805+/-0.917 χ^2/NDF: 574.5/29



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -132.757+/-0.063 χ^2/NDF:945058.3/11

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

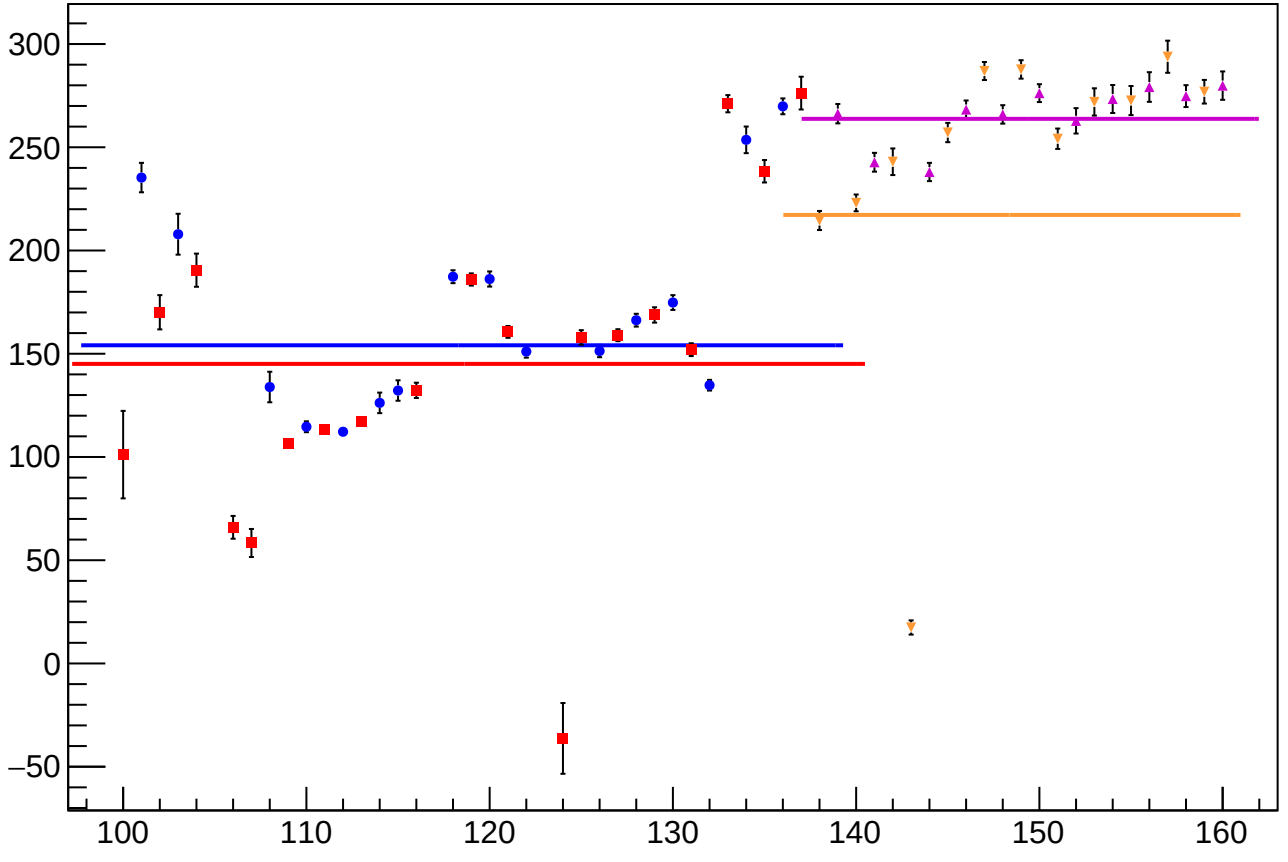
Left In: -158.475+/-0.066 χ^2/NDF:46591.5/10

+ sign -99.147+/-0.045 χ^2/NDF: 2564933.5/27

All: -102.163+/-0.032 χ^2/NDF: 4730580.0/57

- 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: 217.229+/-1.421 χ^2/NDF:4350.9/11

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

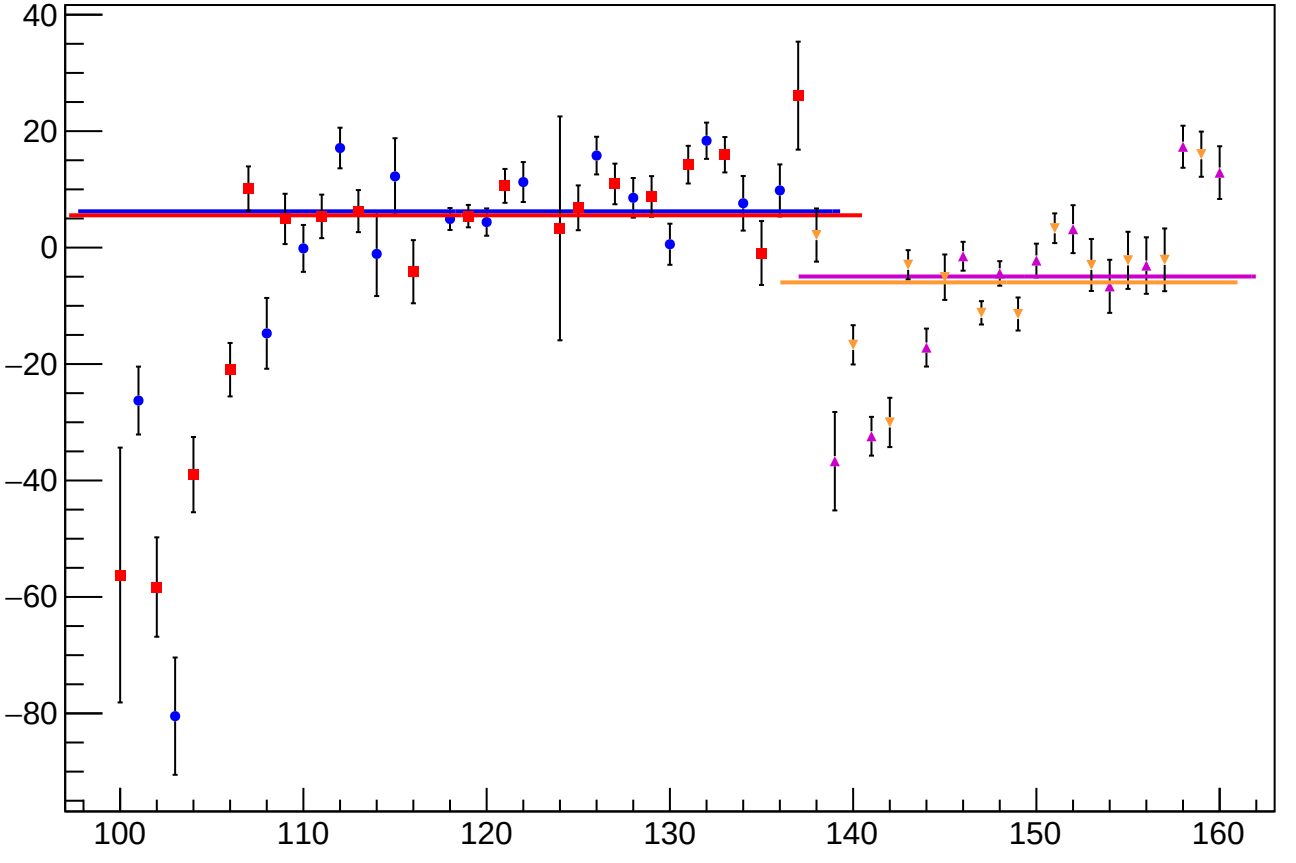
Left In: 263.766+/-1.535 χ^2/NDF:81.6/10

\+ sign 171.284+/-0.741 χ^2/NDF: 8068.7/27

All: 171.512+/-0.519 χ^2/NDF: 15744.1/57

\- 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: -5.975+/-0.939 χ^2/NDF:104.5/11

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

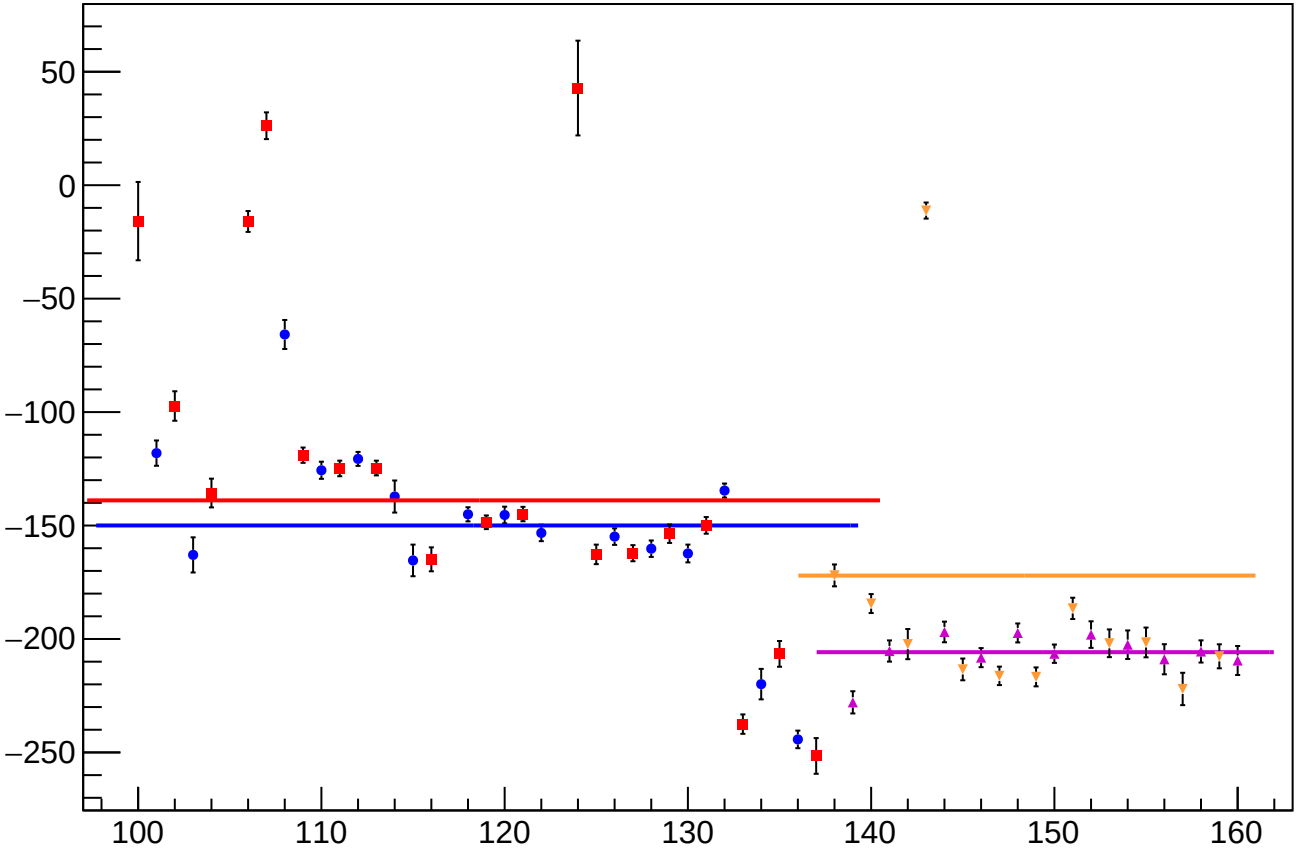
Left In: -4.964+/-1.010 χ^2/NDF:156.6/10

+ sign 0.452+/-0.646 χ^2/NDF: 355.6/27

All: 0.695+/-0.464 χ^2/NDF: 754.6/57

- 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: -172.054+/-1.394 χ^2/NDF:2545.2/11

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

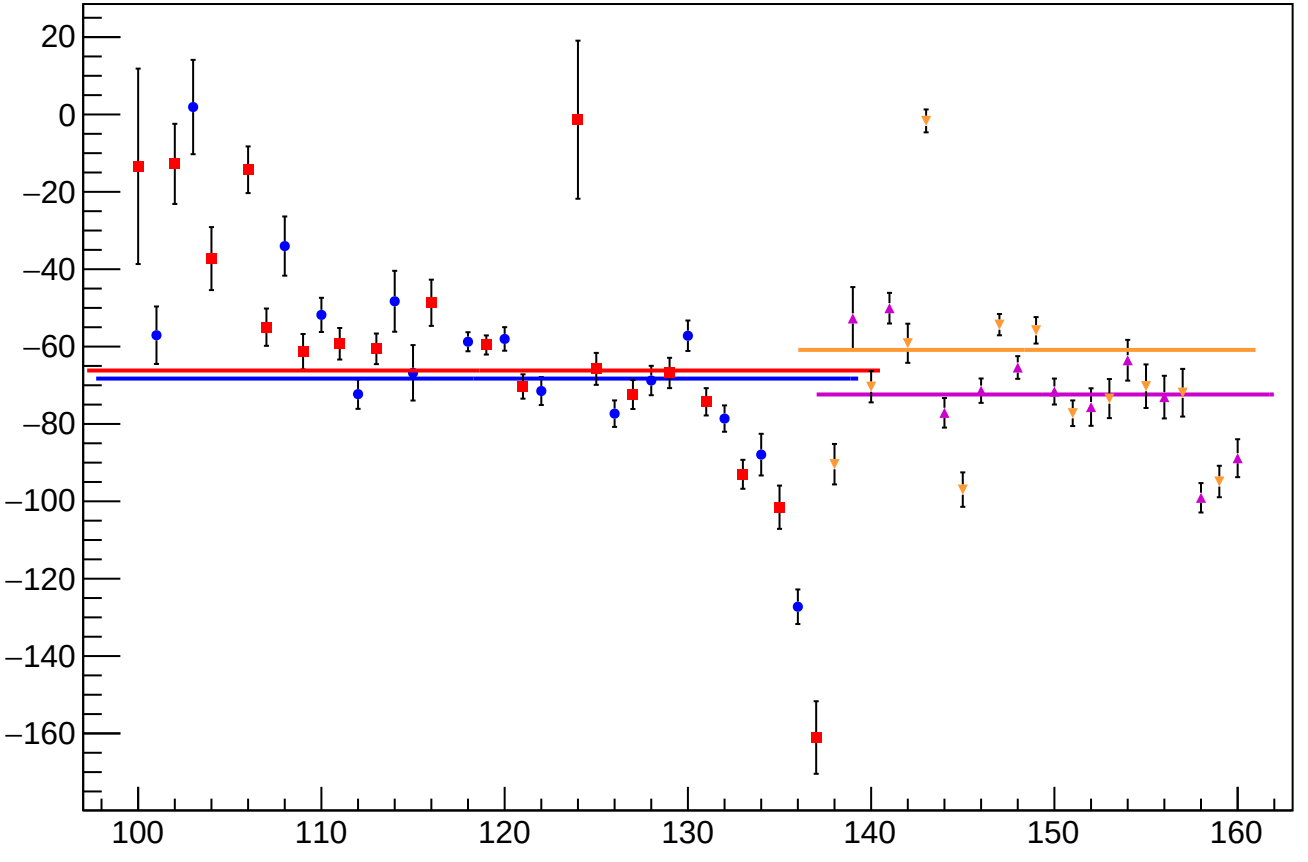
Left In: -205.811+/-1.484 χ^2/NDF:31.3/10

+ sign -157.727+/-0.826 χ^2/NDF: 3807.5/27

All: -158.674+/-0.584 χ^2/NDF: 7995.9/57

- 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: -60.856+/-1.142 χ^2/NDF:617.3/11

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

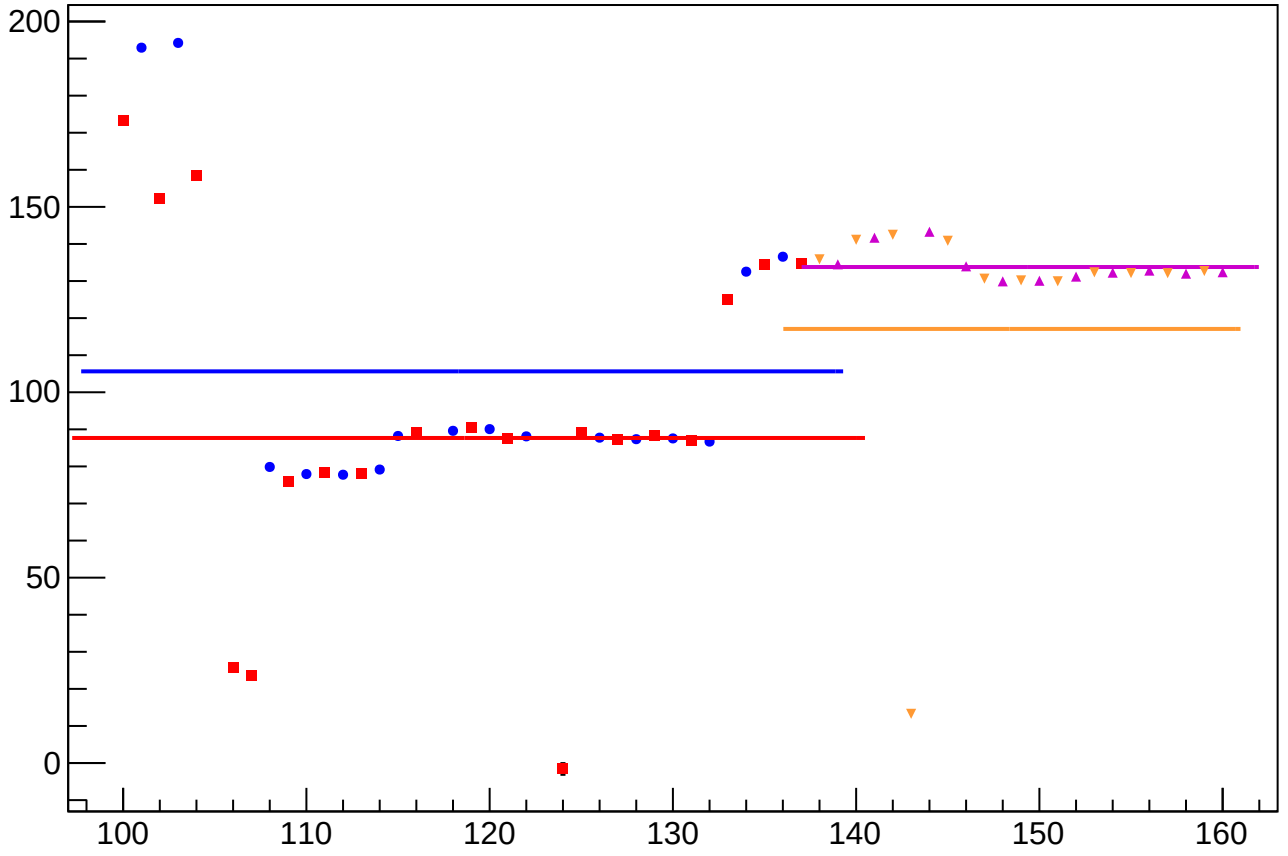
Left In: -72.383+/-1.216 χ^2/NDF:108.9/10

+ sign -64.933+/-0.766 χ^2/NDF: 955.9/27

All: -66.802+/-0.548 χ^2/NDF: 1450.5/57

- 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: 117.085+/-0.055 χ^2/NDF:585934.7/11

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

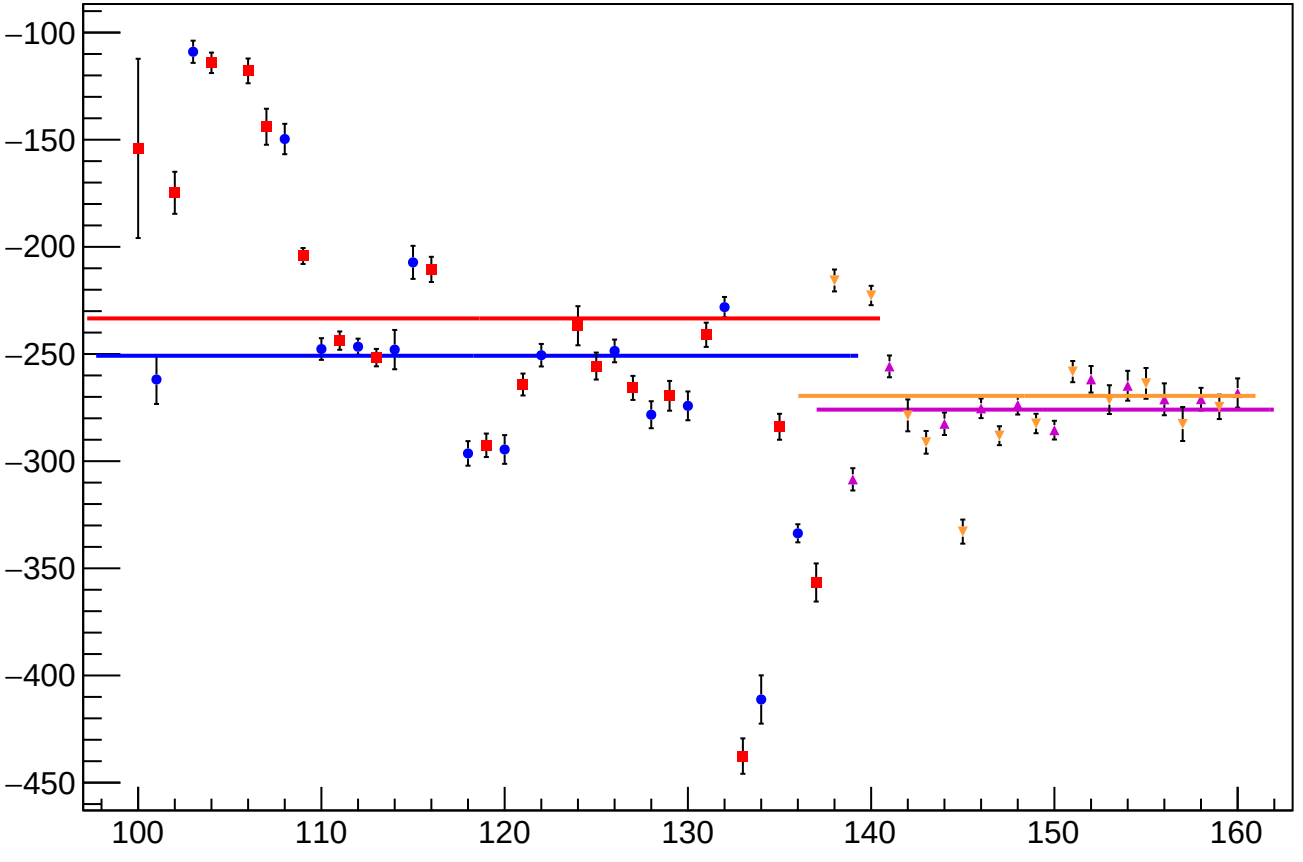
Left In: 133.782+/-0.057 χ^2/NDF:5313.5/10

+ sign 112.743+/-0.044 χ^2/NDF: 841753.6/27

All: 113.355+/-0.031 χ^2/NDF: 1503227.5/57

- 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: -269.535+/-1.578 χ^2/NDF:399.3/11

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

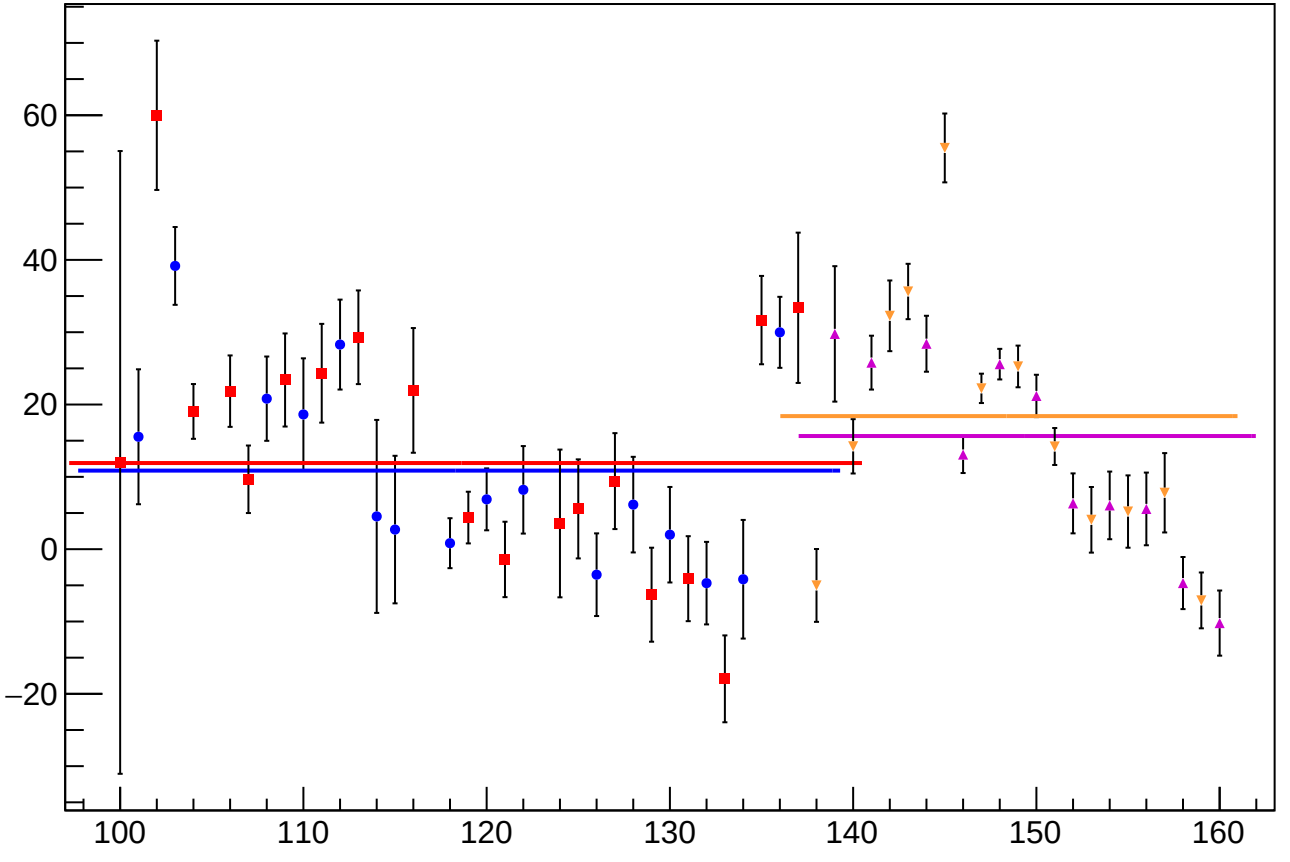
Left In: -275.946+/-1.616 χ^2/NDF:71.7/10

+ sign -259.308+/-1.063 χ^2/NDF: 2211.9/27

All: -254.828+/-0.739 χ^2/NDF: 5109.1/57

- 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: 18.400+/-1.016 χ^2/NDF:188.0/11

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

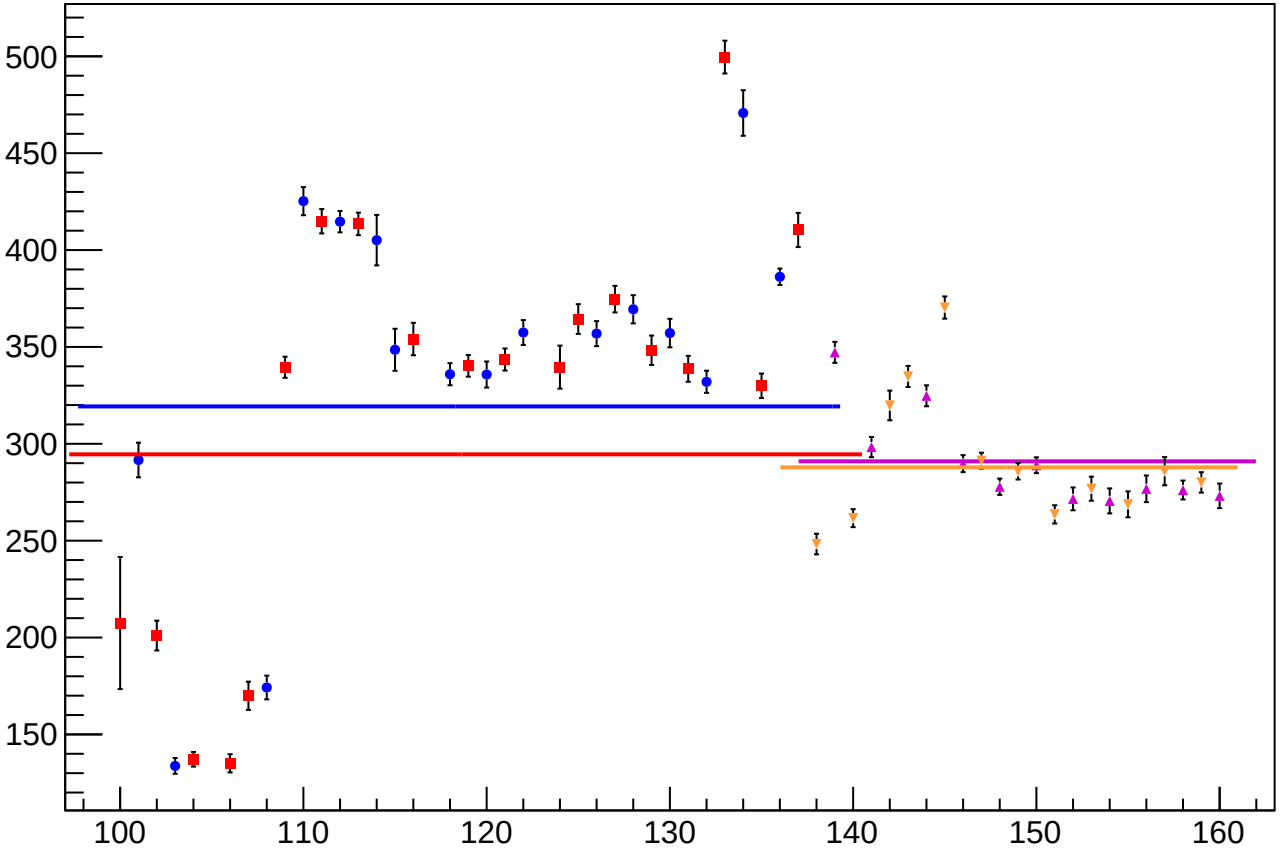
Left In: 15.646+/-1.046 χ^2/NDF:125.3/10

+ sign 15.967+/-0.836 χ^2/NDF: 290.5/27

All: 15.112+/-0.589 χ^2/NDF: 534.5/57

- 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: 287.844+/-1.533 χ^2/NDF:427.2/11

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

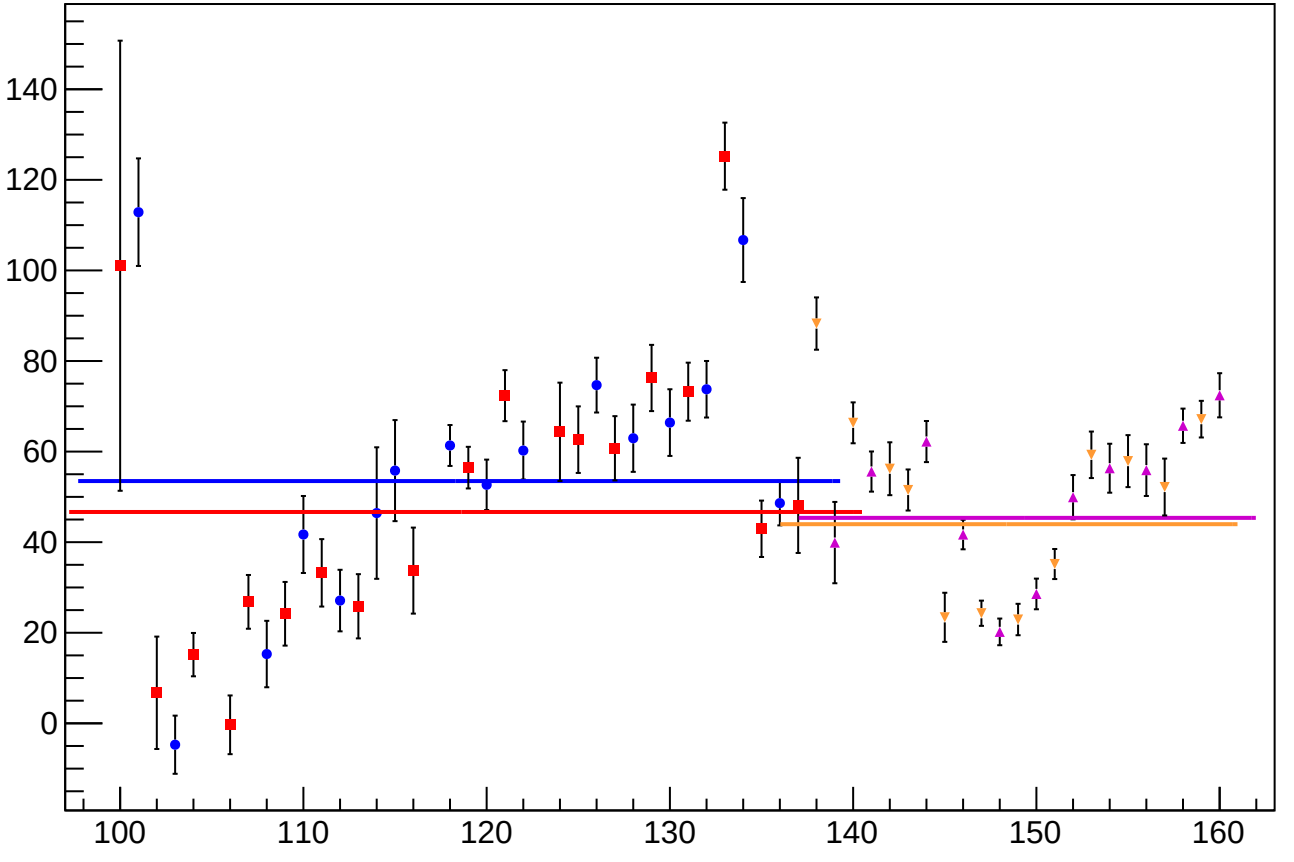
Left In: 290.957+/-1.554 χ^2/NDF:200.9/10

\+ sign 303.030+/-1.102 χ^2/NDF: 4423.4/27

All: 297.799+/-0.769 χ^2/NDF: 10174.1/57

\- 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: 43.971+/-1.242 χ^2/NDF:248.0/11

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

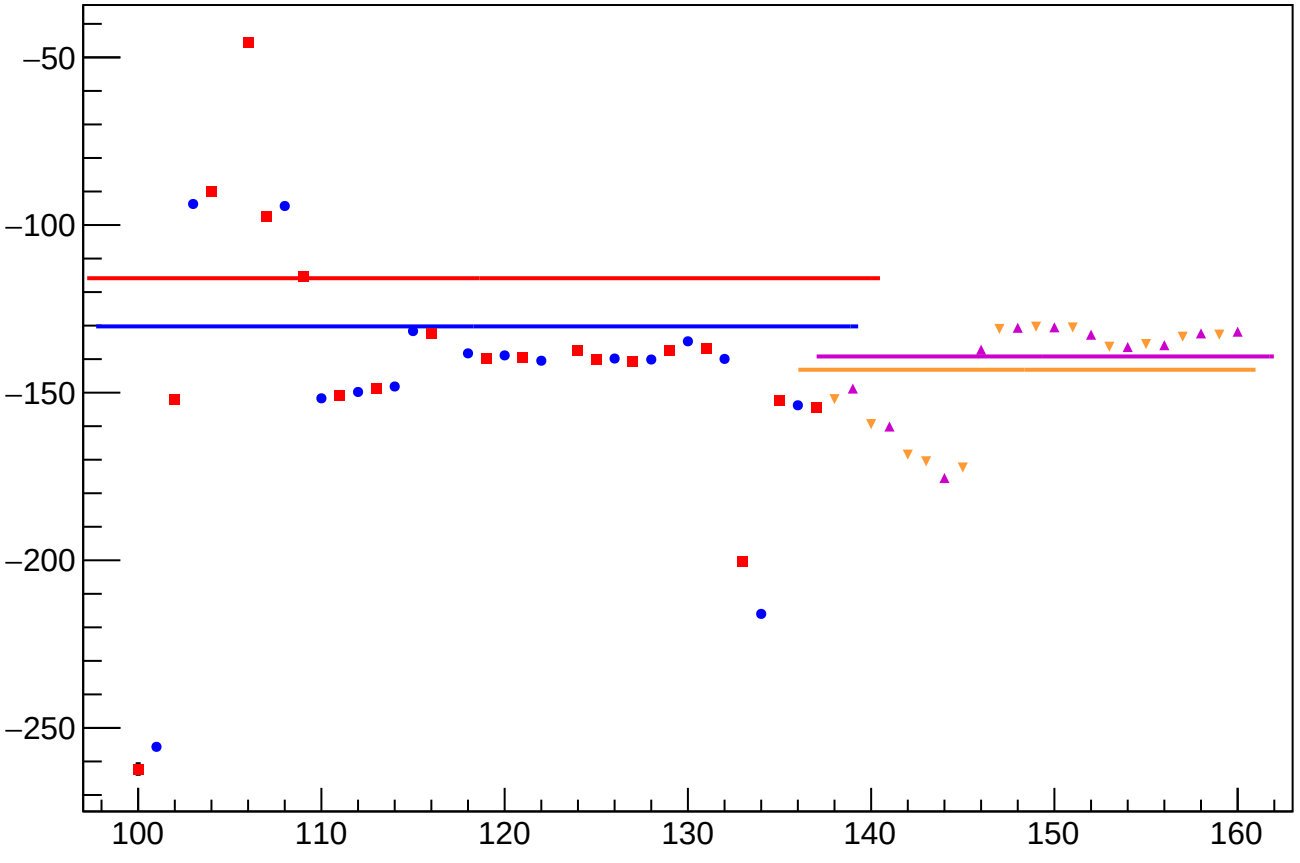
Left In: 45.367+/-1.263 χ^2/NDF:186.5/10

+ sign 47.287+/-1.002 χ^2/NDF: 485.7/27

All: 46.568+/-0.704 χ^2/NDF: 999.3/57

- 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: -143.166+/-0.060 χ^2/NDF:66677.8/11

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

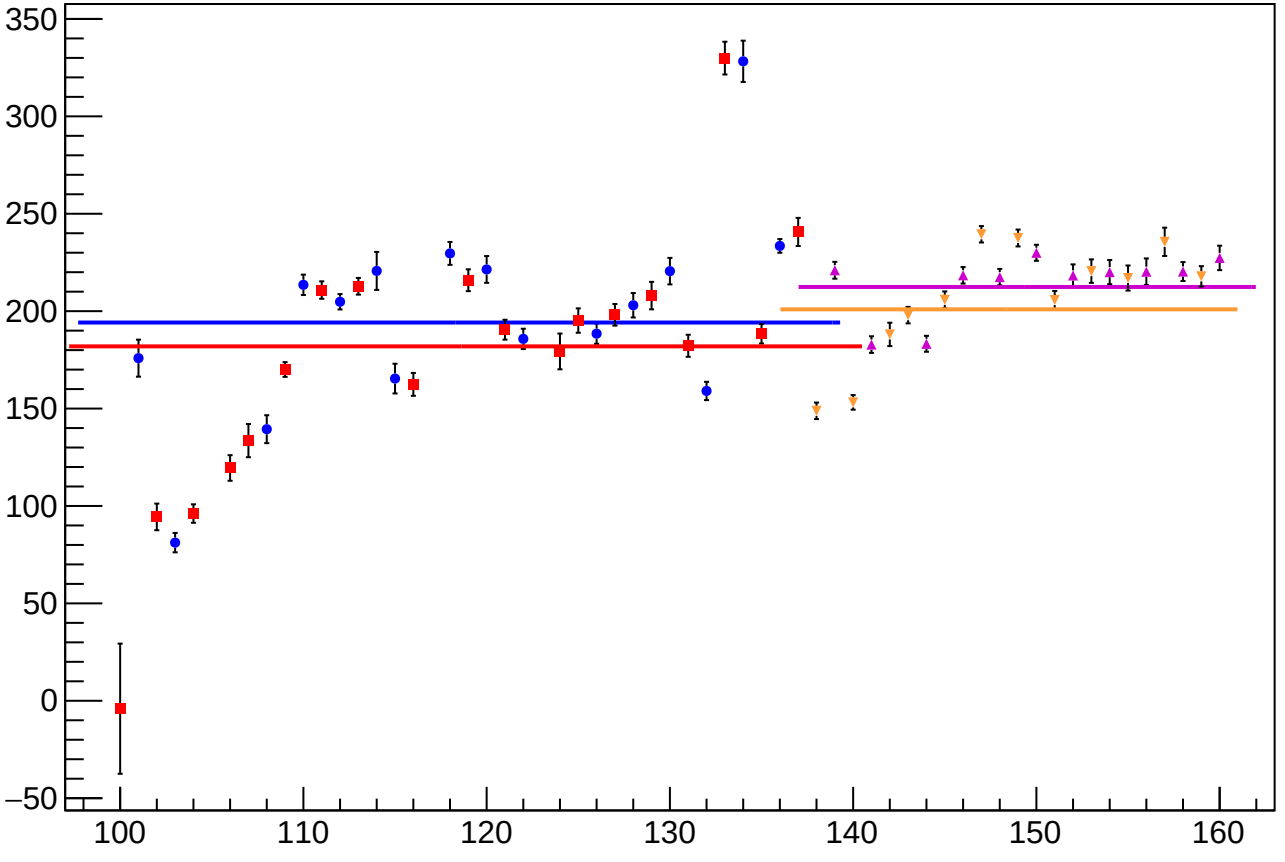
Left In: -139.203+/-0.059 χ^2/NDF:43834.7/10

+ sign -139.210+/-0.050 χ^2/NDF: 254873.0/27

All: -135.299+/-0.035 χ^2/NDF: 566345.0/57

- 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: 200.934+/-1.376 χ^2/NDF:526.2/11

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

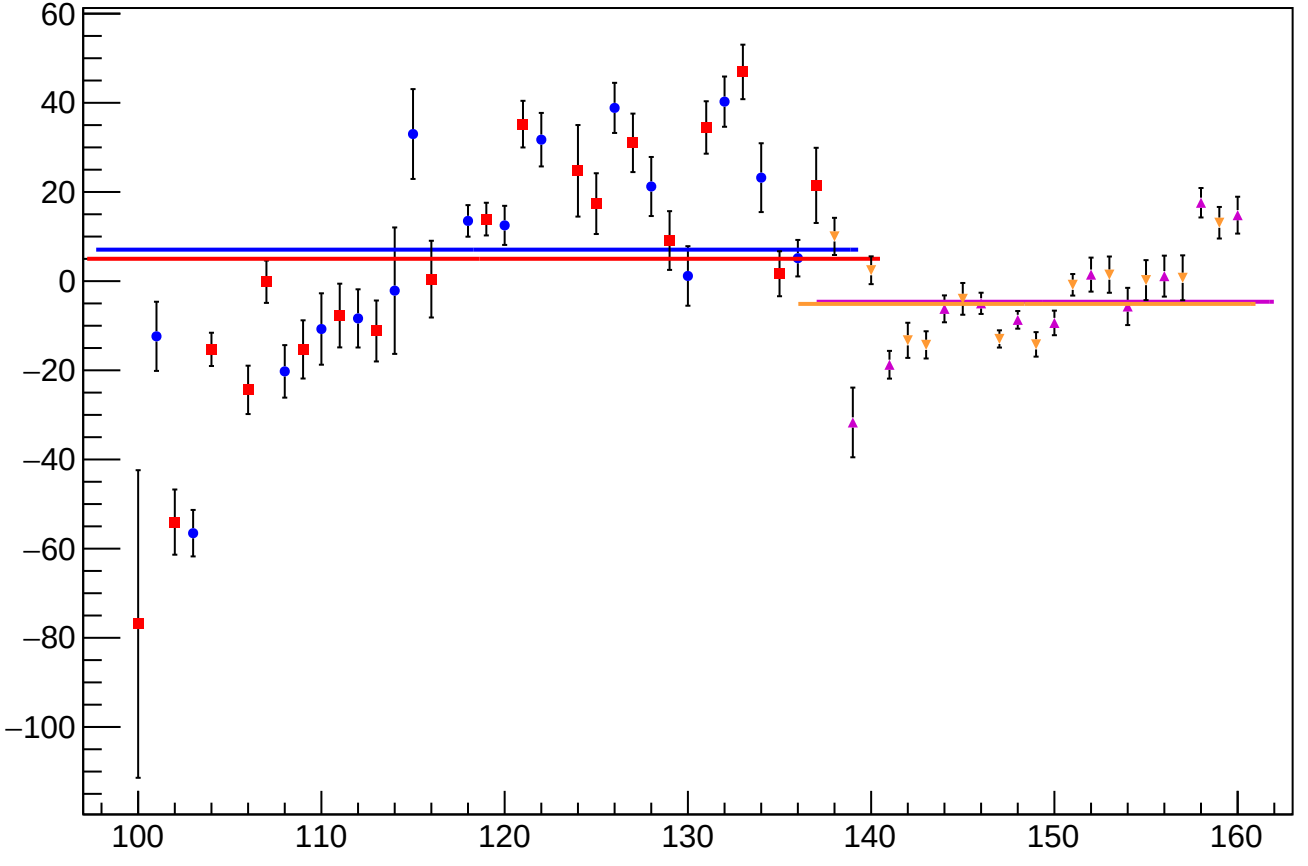
Left In: 212.416+/-1.435 χ^2/NDF:137.0/10

+ sign 197.623+/-0.984 χ^2/NDF: 1573.2/27

All: 196.764+/-0.691 χ^2/NDF: 3160.8/57

- 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: -5.104+/-0.909 χ^2/NDF:94.9/11

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

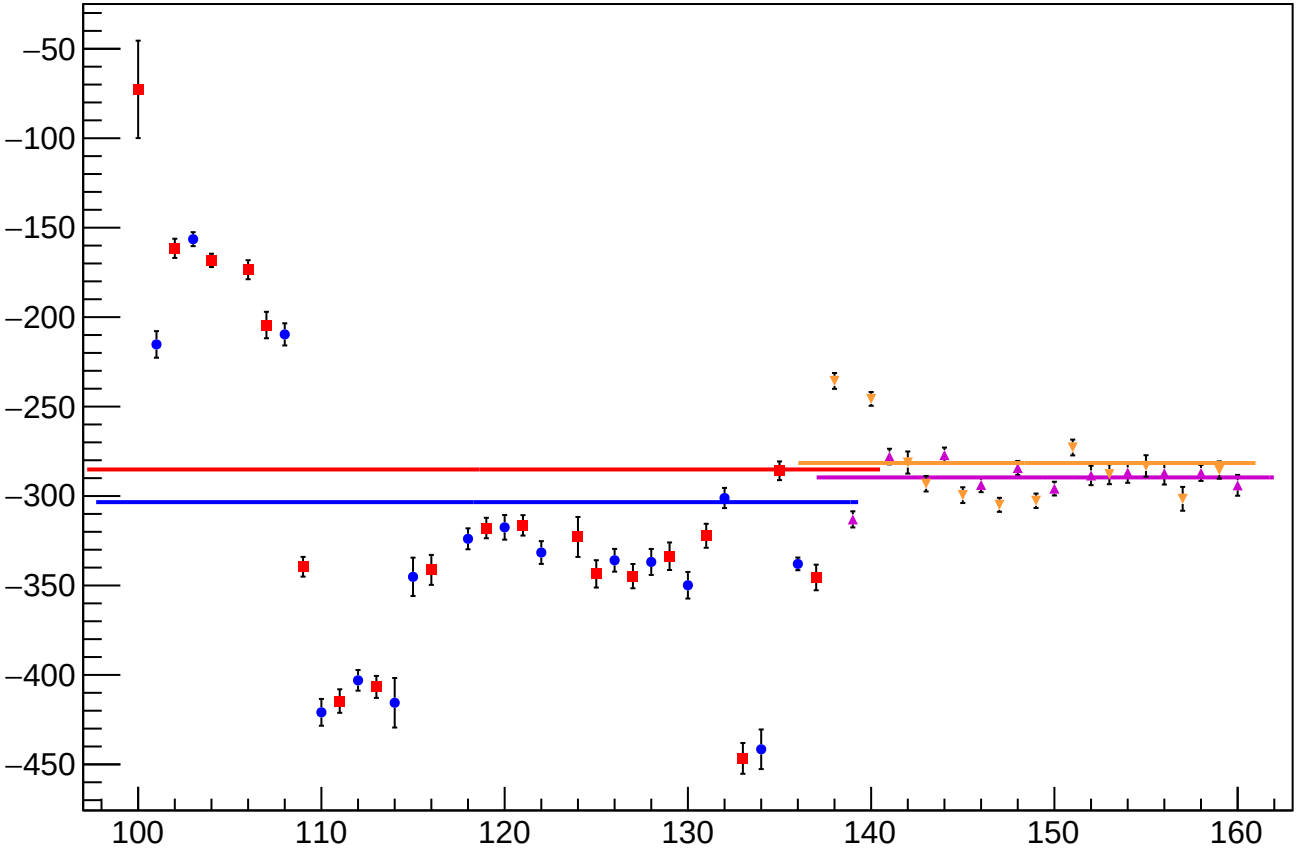
Left In: -4.621+/-0.947 χ^2/NDF:111.5/10

+ sign -1.648+/-0.769 χ^2/NDF: 438.4/27

All: -1.555+/-0.546 χ^2/NDF: 872.4/57

- 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: -281.549+/-1.347 χ^2/NDF:295.4/11

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

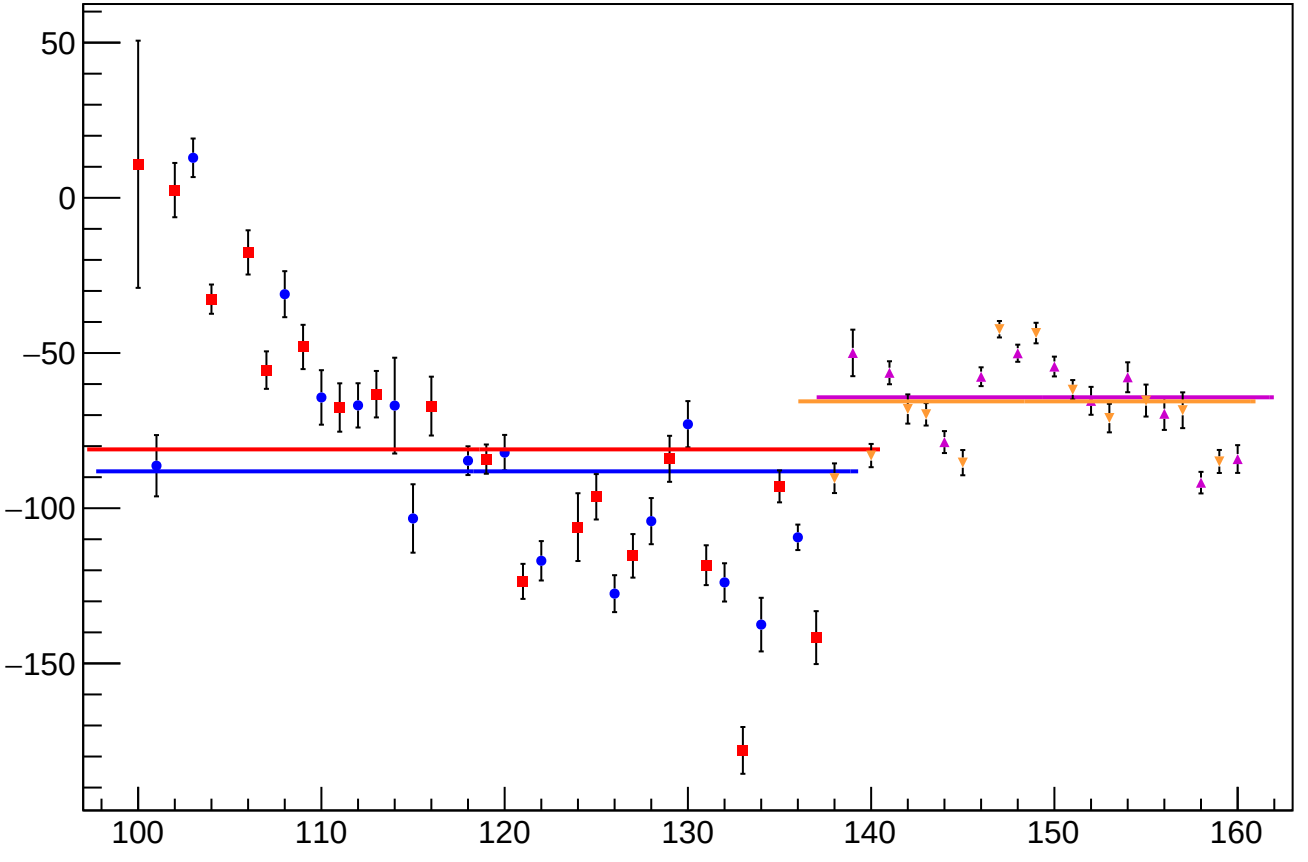
Left In: -289.592+/-1.387 χ^2/NDF:49.7/10

+ sign -291.090+/-1.011 χ^2/NDF: 3195.9/27

All: -289.265+/-0.712 χ^2/NDF: 7011.8/57

- 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: -65.572+/-1.104 χ^2/NDF:225.0/11

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

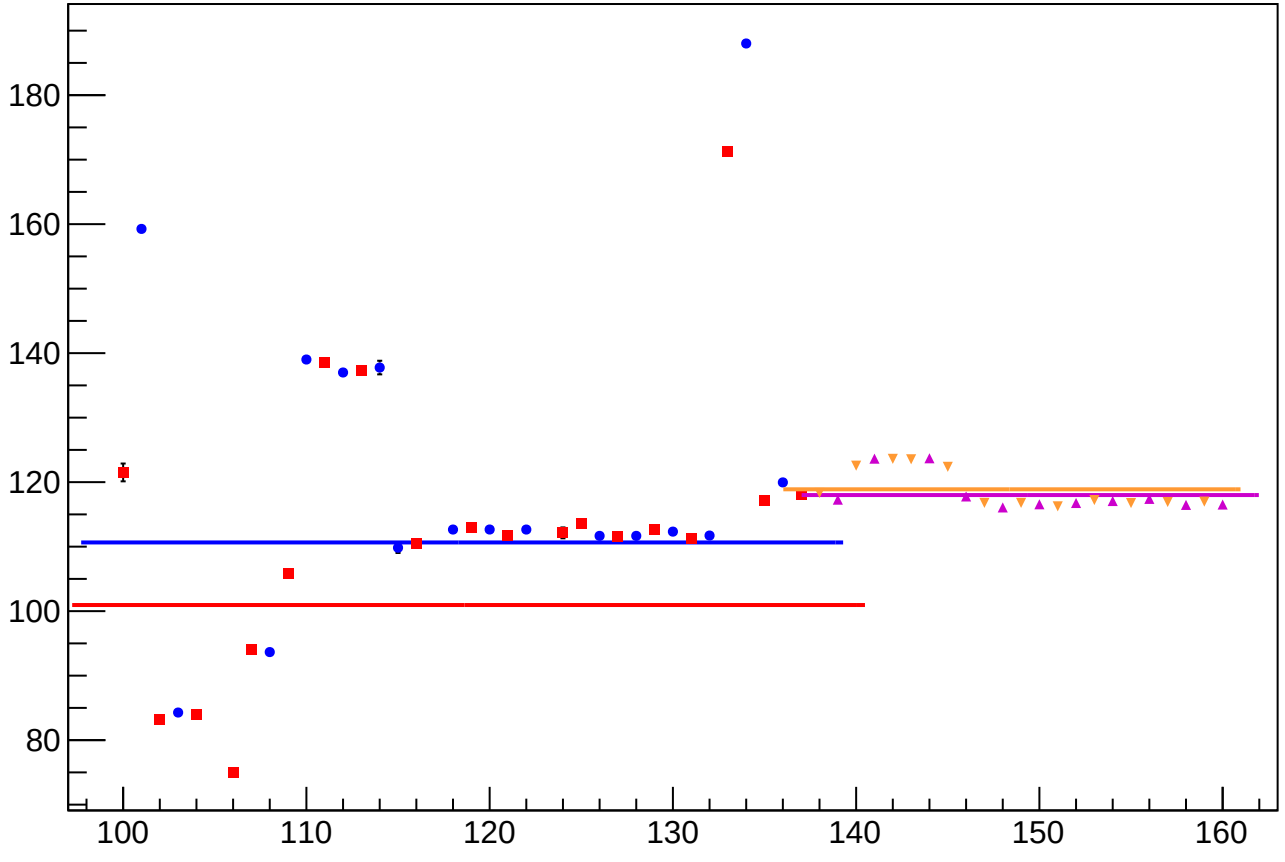
Left In: -64.266+/-1.139 χ^2/NDF:151.0/10

+ sign -72.519+/-0.919 χ^2/NDF: 865.3/27

All: -71.291+/-0.651 χ^2/NDF: 1772.4/57

- 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: 118.890+/-0.053 χ^2/NDF:2796.9/11

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

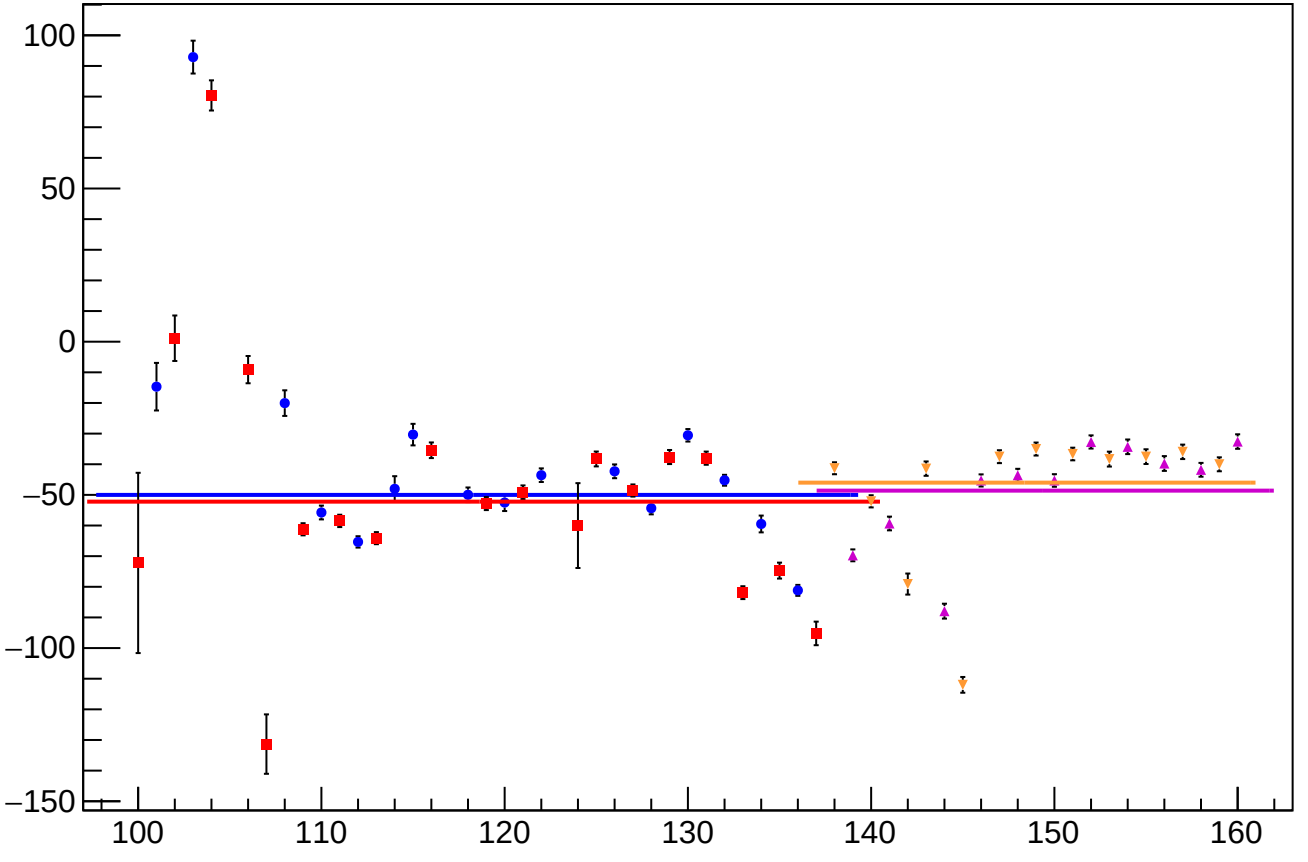
Left In: 118.000+/-0.053 χ^2/NDF:2382.1/10

+ sign 116.601+/-0.045 χ^2/NDF: 92974.8/27

All: 114.697+/-0.032 χ^2/NDF: 191811.3/57

- 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: -46.002+/-0.655 χ^2/NDF:880.8/11

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

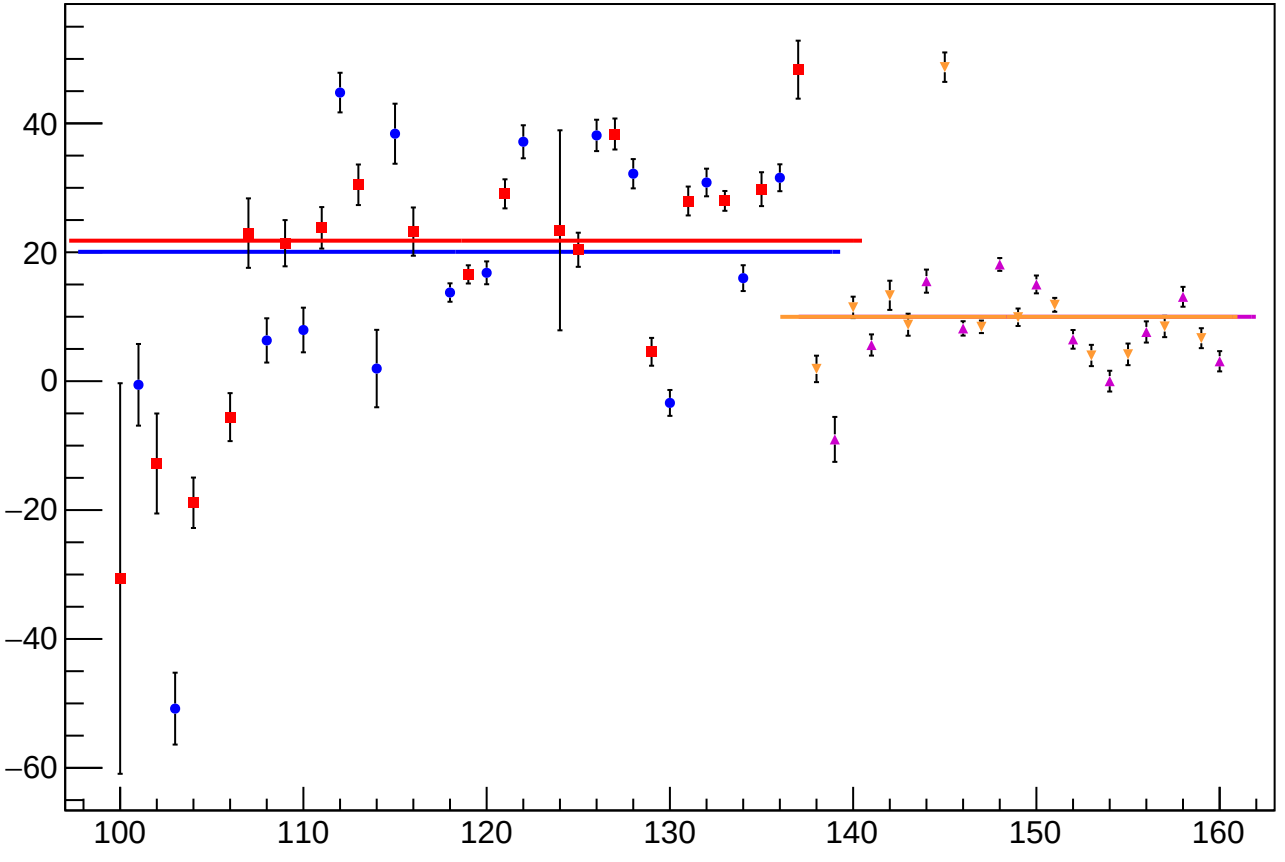
Left In: -48.613+/-0.661 χ^2/NDF:572.4/10

+ sign -48.148+/-0.446 χ^2/NDF: 2228.2/27

All: -49.359+/-0.316 χ^2/NDF: 4401.7/57

- 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: 9.981+/-0.434 χ^2/NDF:342.5/11

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

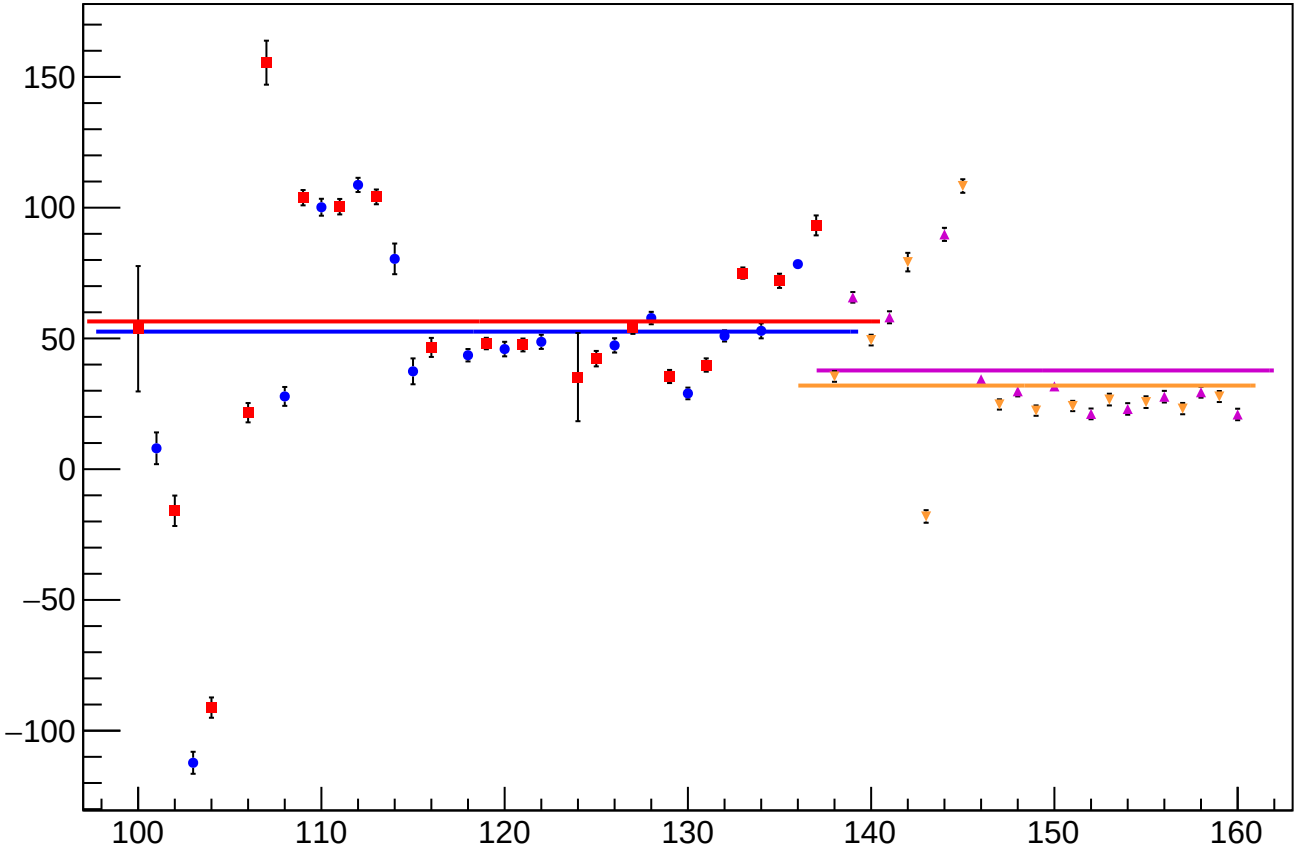
Left In: 9.993+/-0.441 χ^2/NDF:198.1/10

+ sign 13.361+/-0.354 χ^2/NDF: 1159.5/27

All: 13.645+/-0.252 χ^2/NDF: 1995.1/57

- 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: 31.975+/-0.634 χ^2/NDF:1634.6/11

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

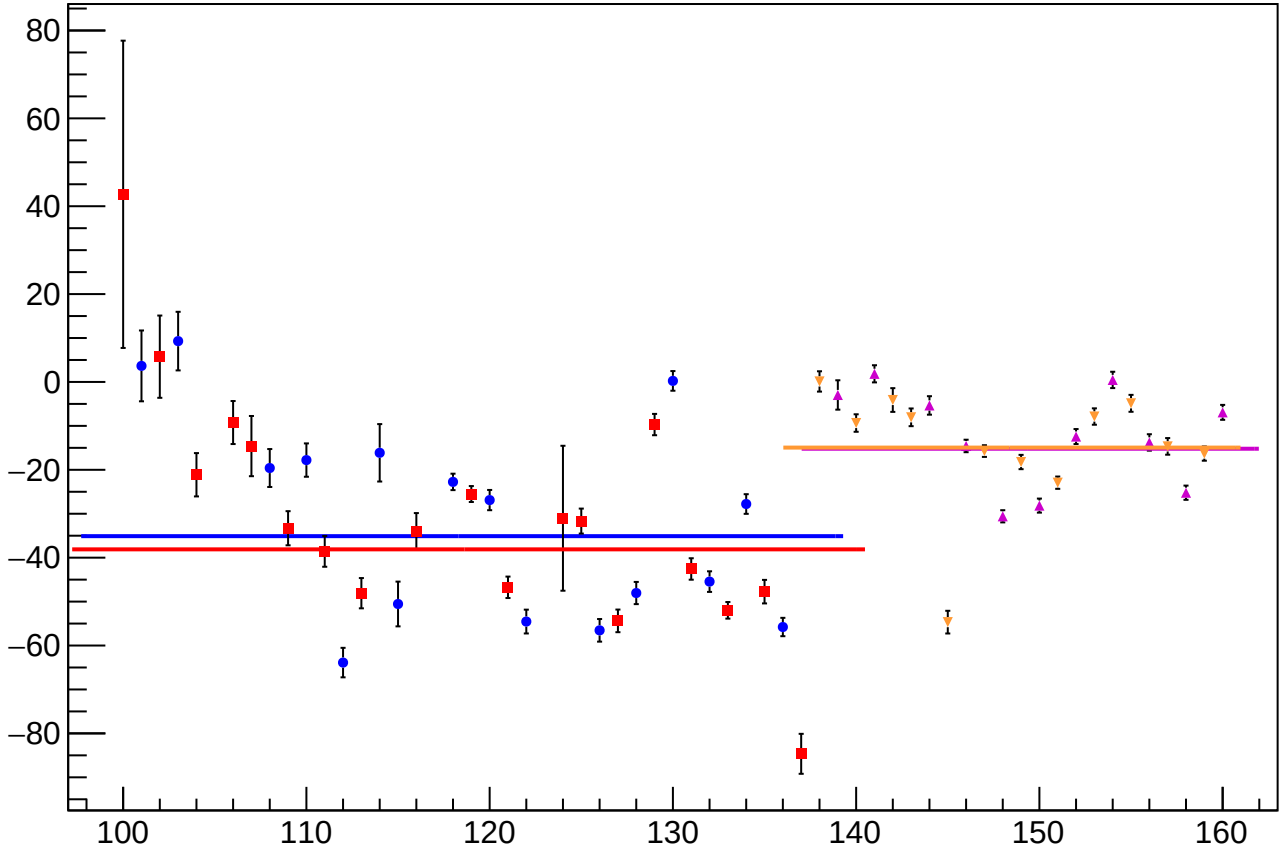
Left In: 37.754+/-0.636 χ^2/NDF:934.7/10

+ sign 41.331+/-0.469 χ^2/NDF: 4773.6/27

All: 43.725+/-0.333 χ^2/NDF: 9116.1/57

- 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: -14.944+/-0.524 χ^2/NDF:394.1/11

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

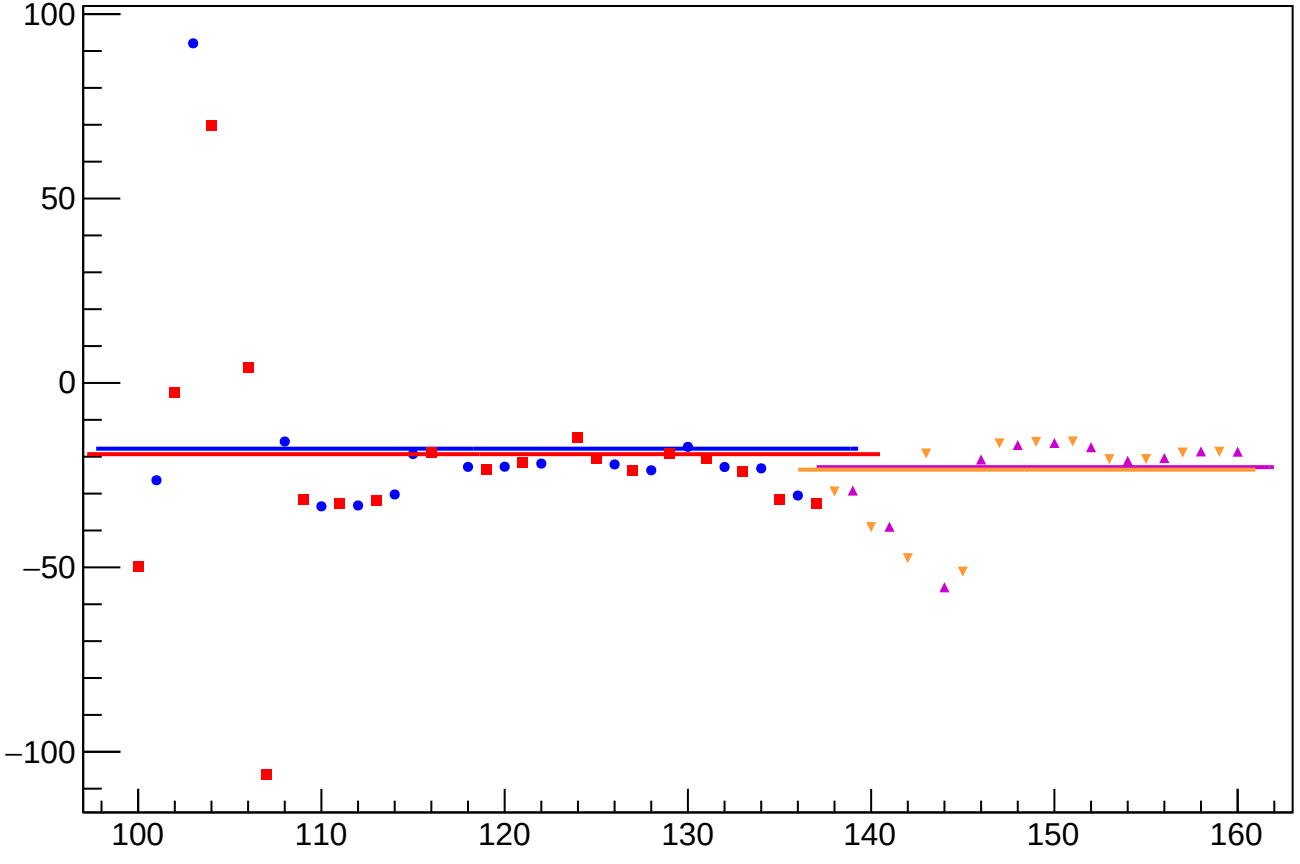
Left In: -15.203+/-0.525 χ^2/NDF:436.7/10

+ sign -22.182+/-0.419 χ^2/NDF: 1698.8/27

All: -22.707+/-0.298 χ^2/NDF: 3321.6/57

- 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: -23.509+/-0.024 χ^2/NDF:173490.7/11

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

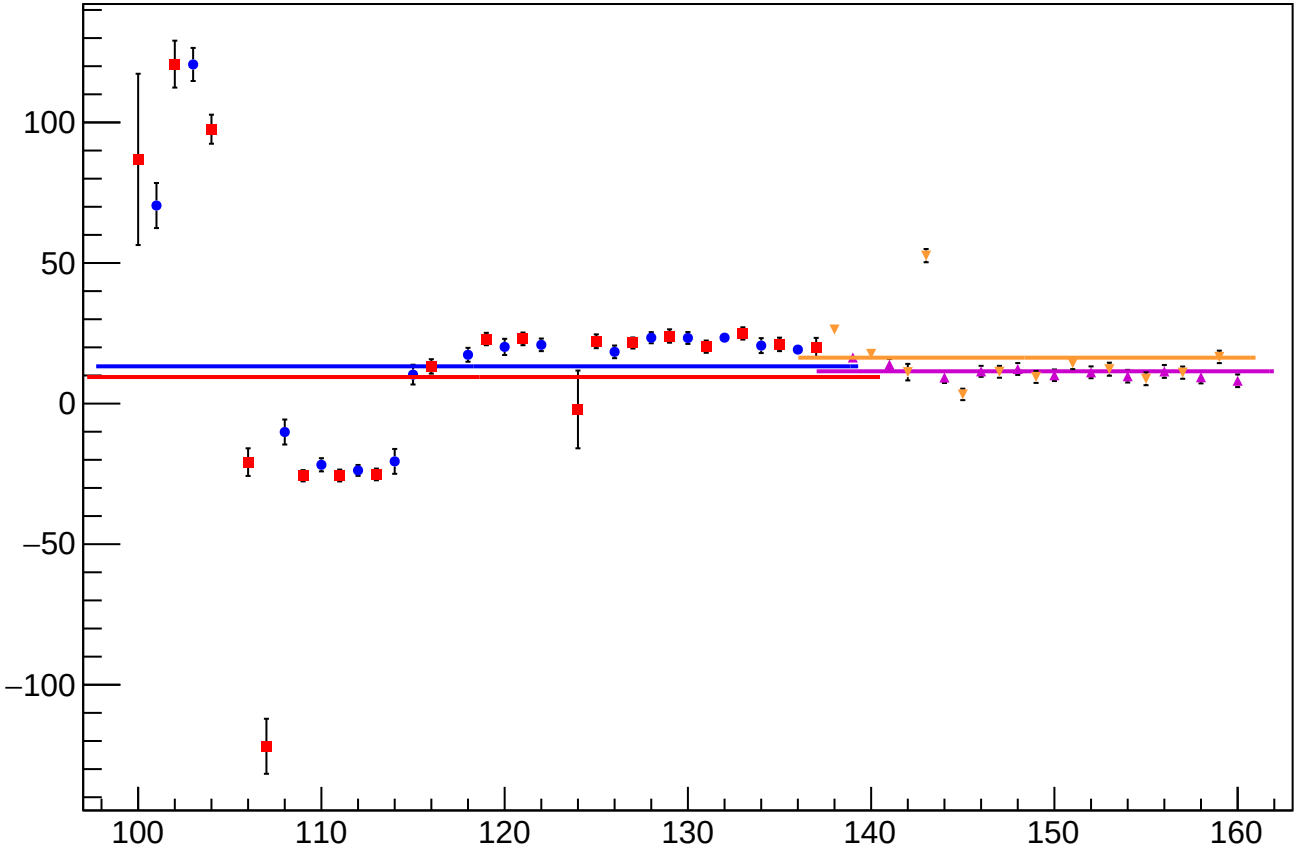
Left In: -22.827+/-0.024 χ^2/NDF:148446.6/10

+ sign -22.146+/-0.021 χ^2/NDF: 612781.8/27

All: -22.118+/-0.015 χ^2/NDF: 1110459.1/57

- 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: 16.334+/-0.615 χ^2/NDF:349.3/11

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

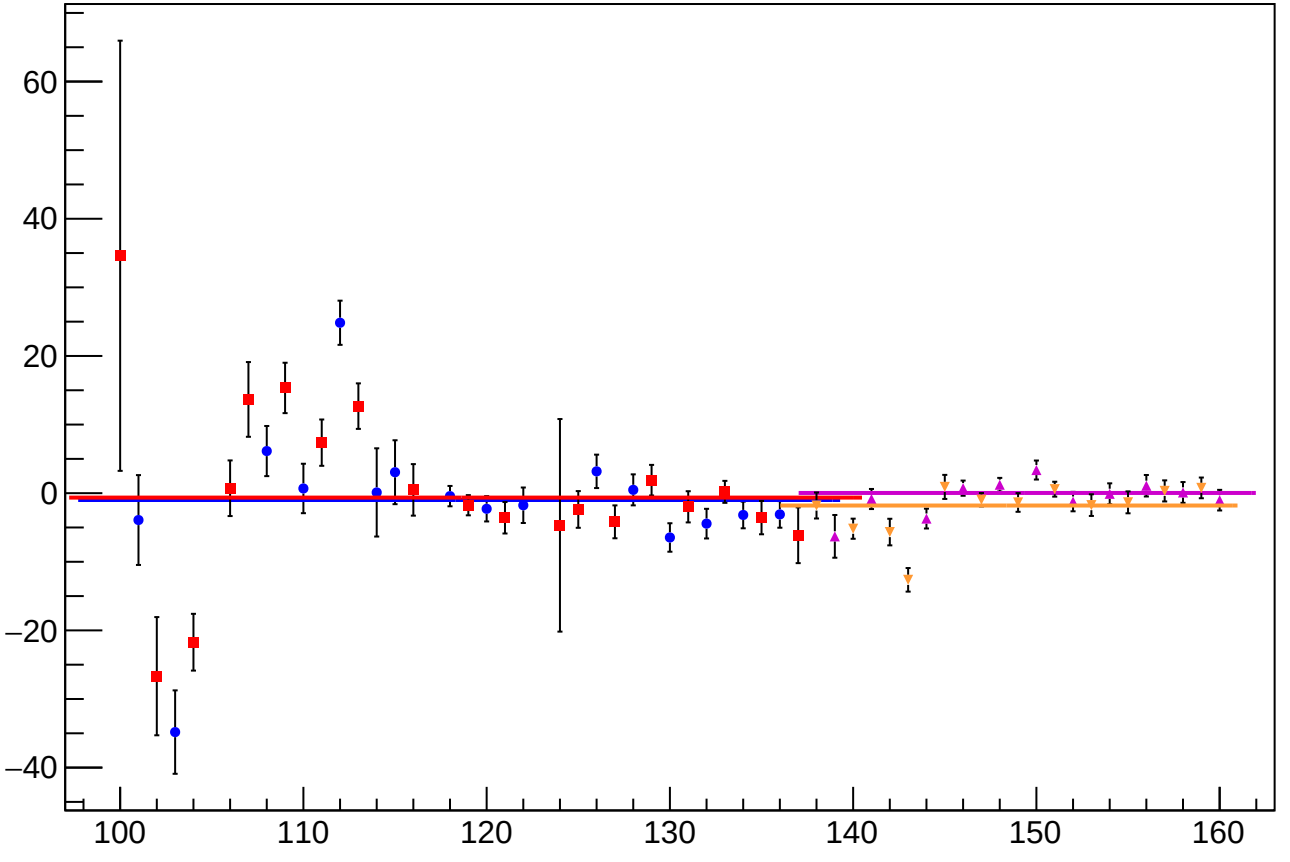
Left In: 11.490+/-0.622 χ^2/NDF:15.1/10

+ sign 14.791+/-0.435 χ^2/NDF: 1544.4/27

All: 12.637+/-0.308 χ^2/NDF: 3450.9/57

- 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: -1.799+/-0.416 χ^2/NDF:62.0/11

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

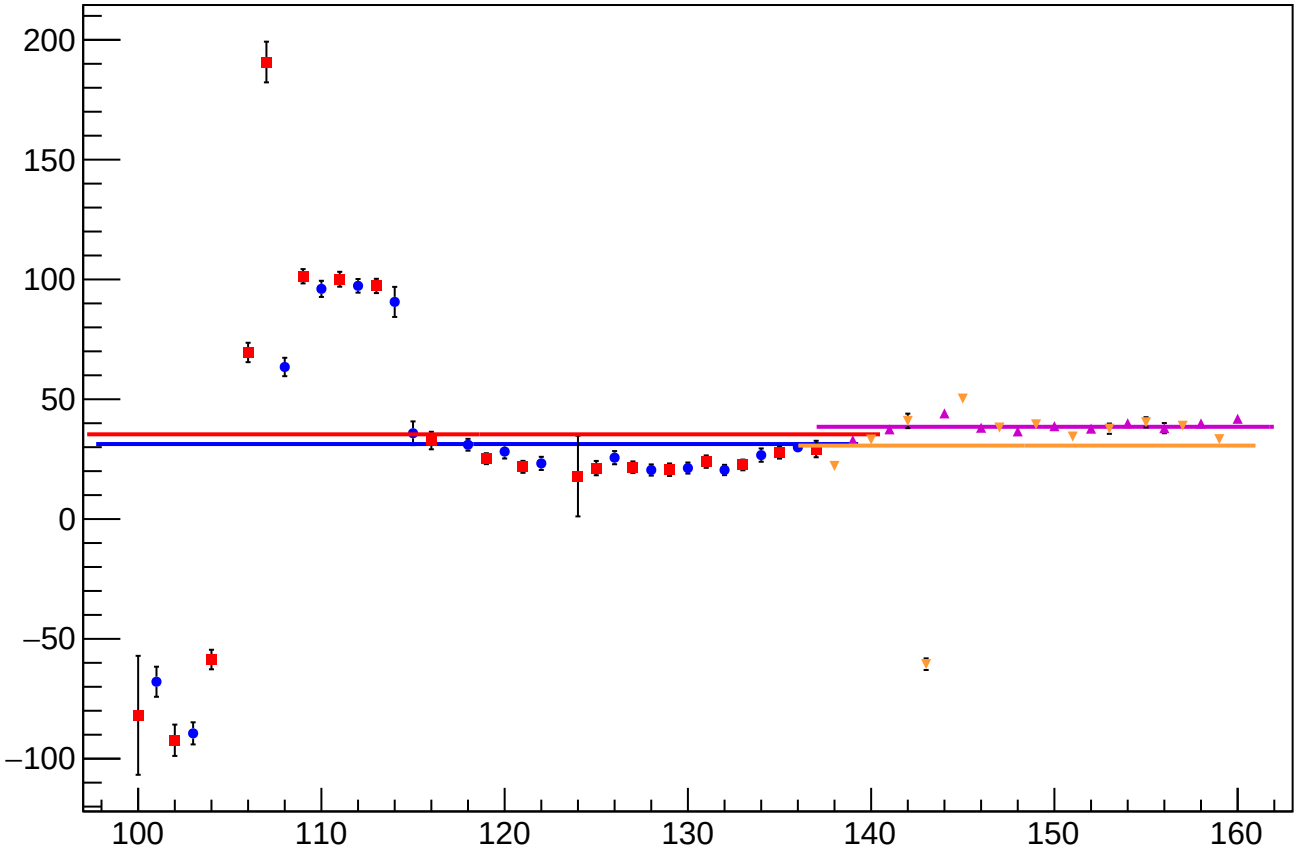
Left In: 0.032+/-0.422 χ^2/NDF:20.6/10

+ sign -1.548+/-0.345 χ^2/NDF: 179.5/27

All: -0.874+/-0.246 χ^2/NDF: 302.8/57

- 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: 30.662+/-0.598 χ^2/NDF:1624.8/11

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

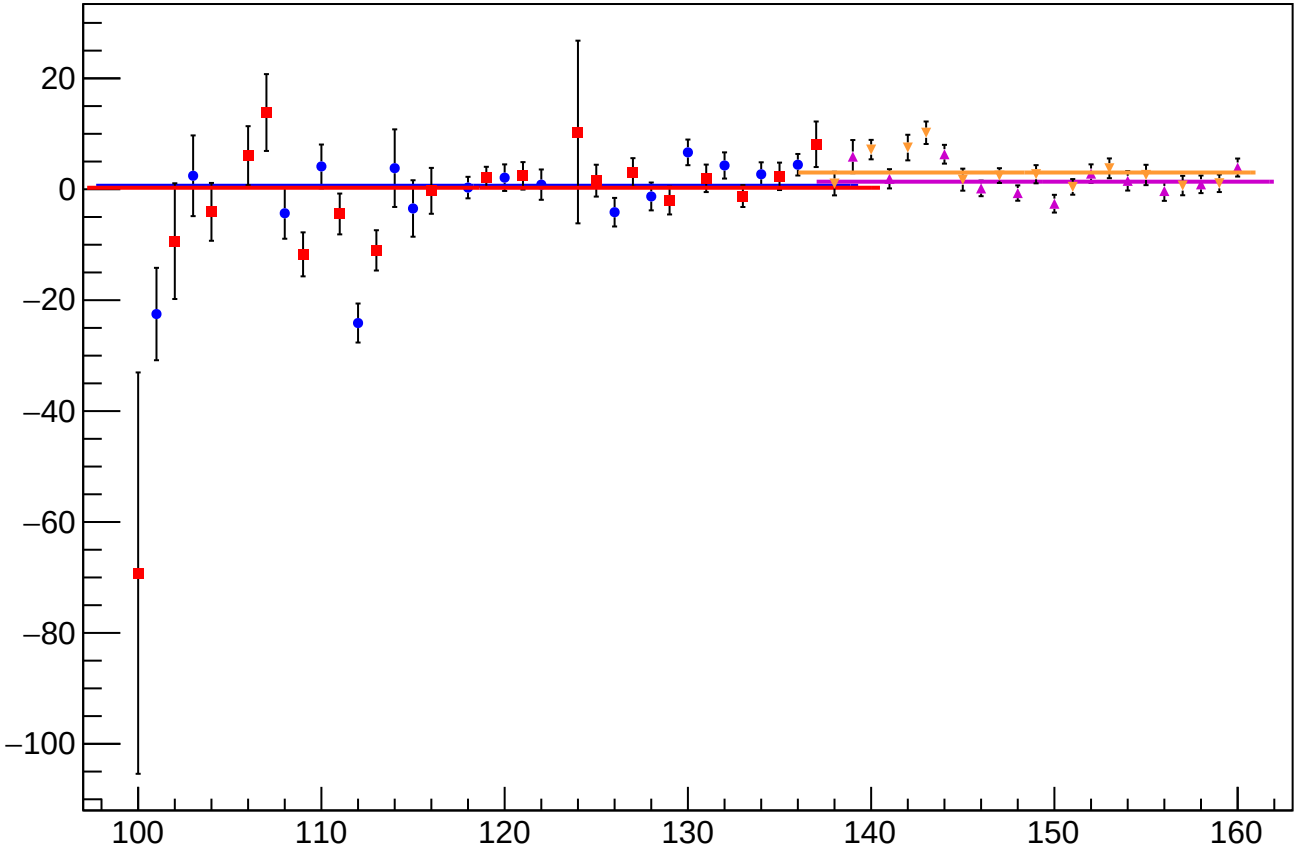
Left In: 38.508+/-0.600 χ^2/NDF:22.3/10

\+ sign 30.935+/-0.455 χ^2/NDF: 3711.2/27

All: 34.038+/-0.324 χ^2/NDF: 6736.6/57

\- 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: 3.022+/-0.500 χ^2/NDF:30.3/11

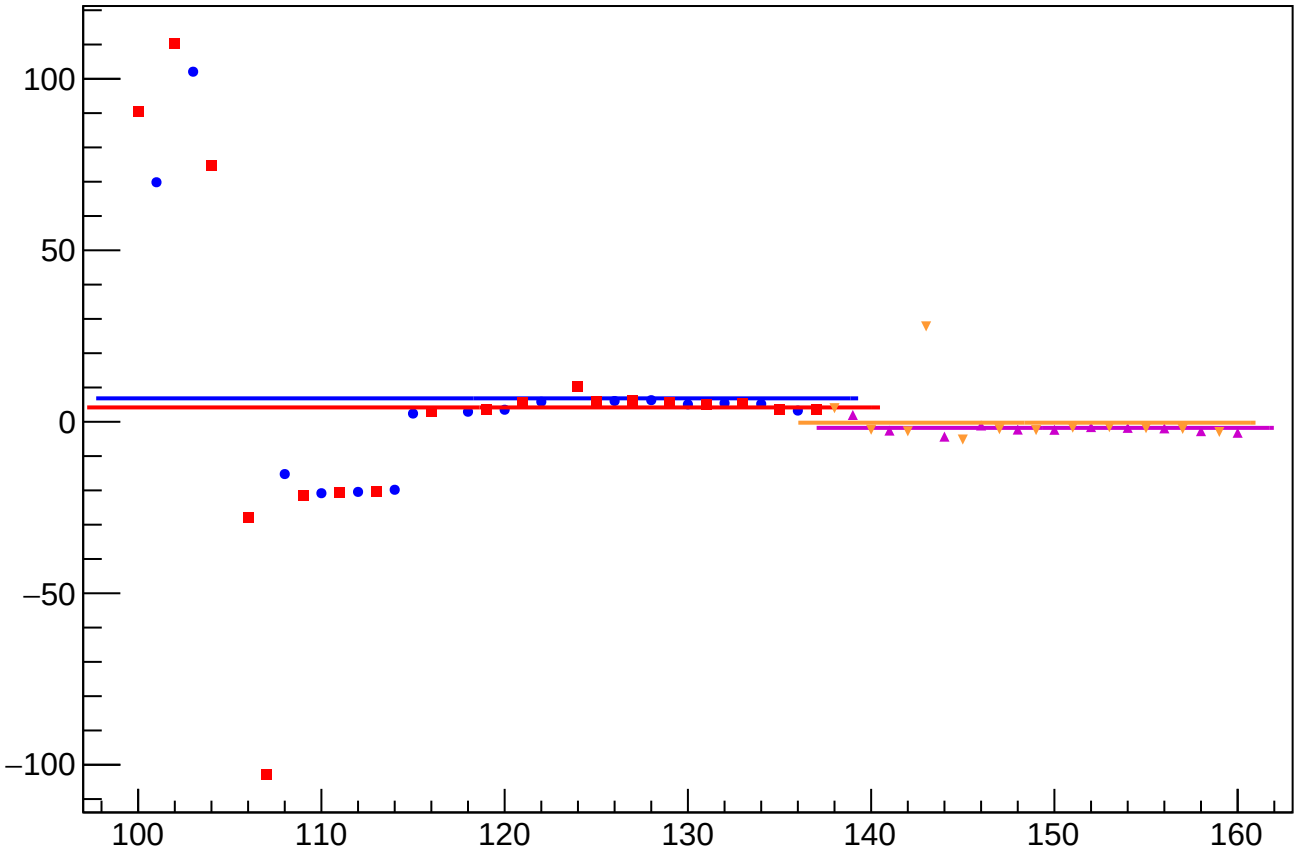
Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 1.367+/-0.501 χ^2/NDF:24.2/10

+ sign 2.222+/-0.408 χ^2/NDF: 116.4/27

All: 1.625+/-0.290 χ^2/NDF: 186.9/57

- sign 1.015+/-0.412 χ^2/NDF: 66.2/29



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: -0.263+/-0.023 χ^2/NDF:90208.5/11

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

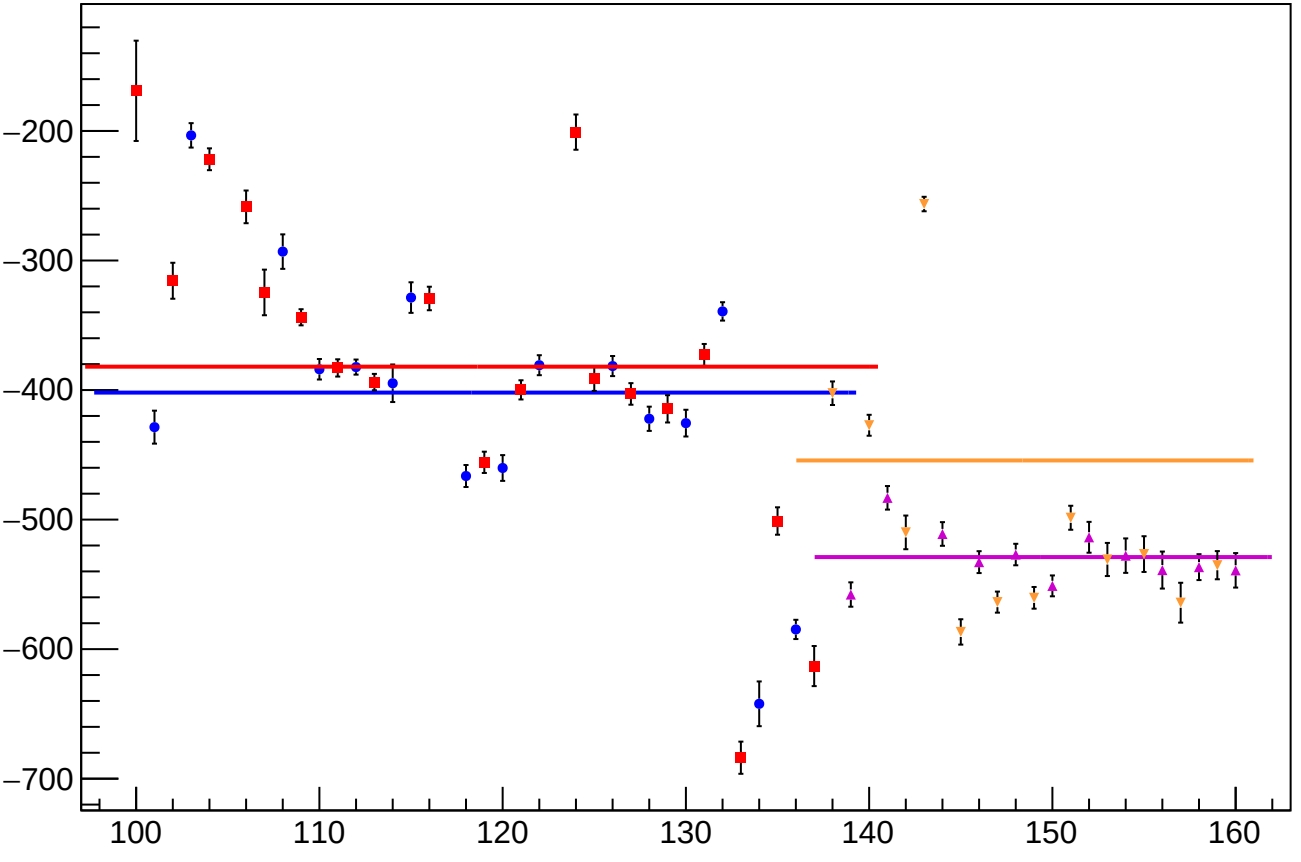
Left In: -1.773+/-0.022 χ^2/NDF:5065.1/10

+ sign 1.311+/-0.020 χ^2/NDF: 432539.8/27

All: 0.341+/-0.014 χ^2/NDF: 890218.2/57

- 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: -454.343+/-2.664 χ^2/NDF:2033.8/11

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

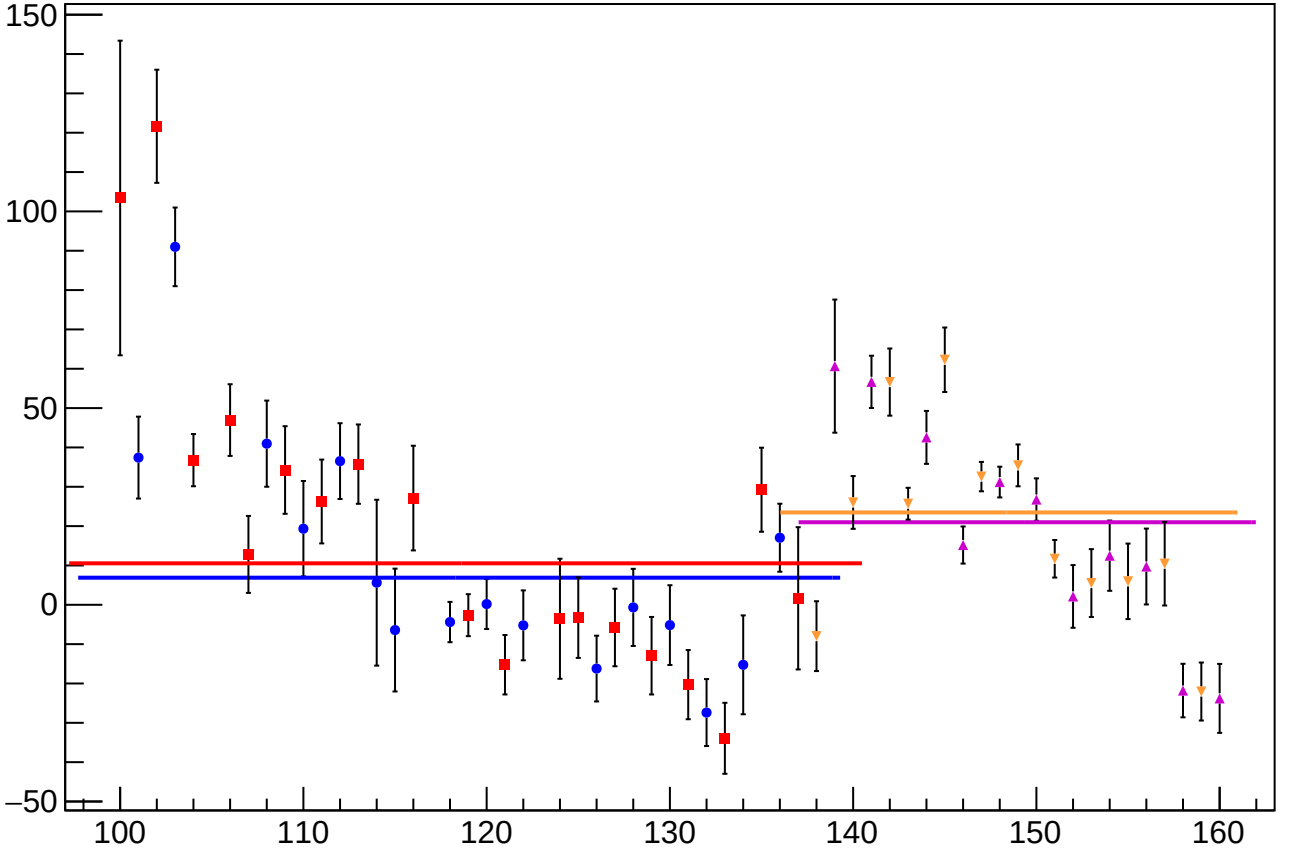
Left In: -528.931+/-2.980 χ^2/NDF:49.8/10

+ sign -423.610+/-1.713 χ^2/NDF: 3823.9/27

All: -427.503+/-1.217 χ^2/NDF: 7314.4/57

- 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: 23.479+/-1.749 χ^2/NDF:114.9/11

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

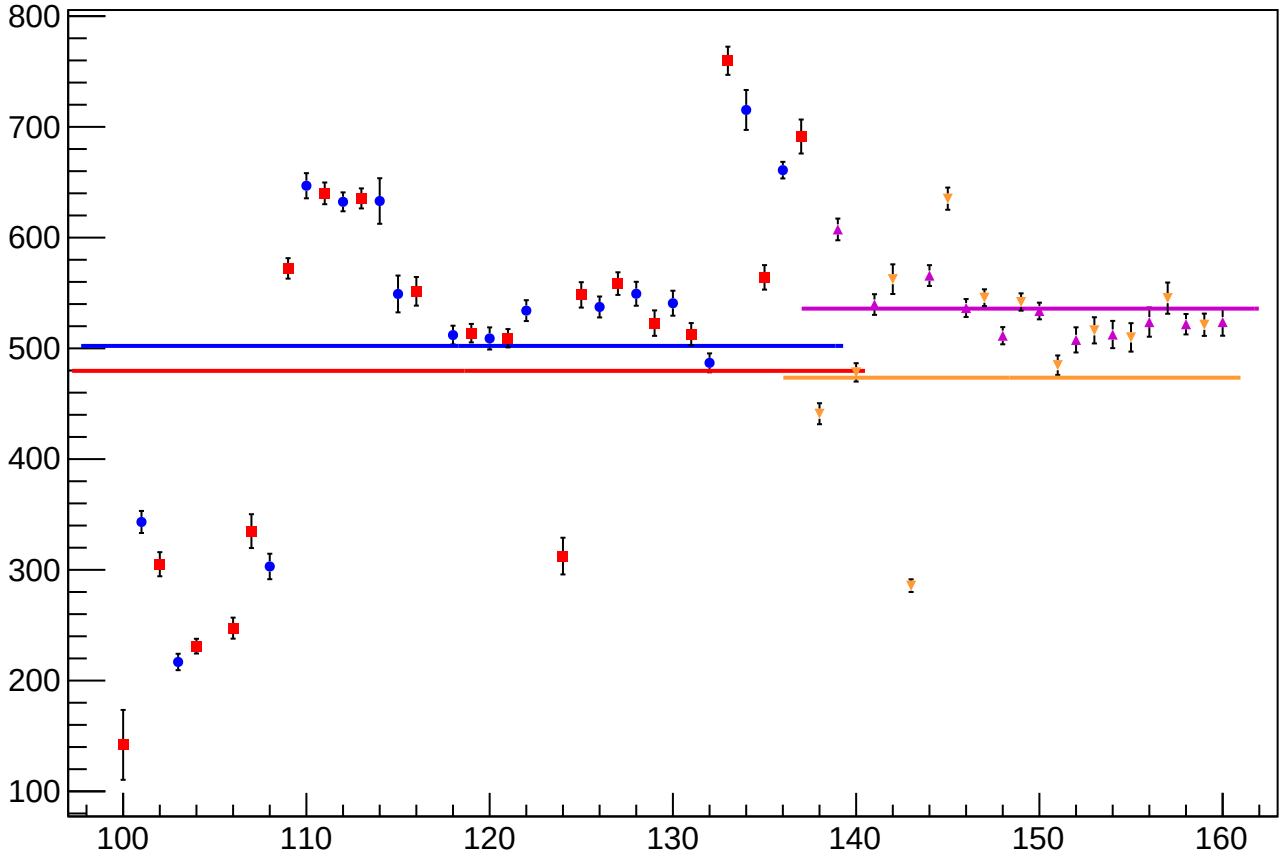
Left In: 20.984+/-1.936 χ^2/NDF:127.6/10

+ sign 17.280+/-1.384 χ^2/NDF: 286.9/27

All: 16.871+/-1.002 χ^2/NDF: 607.5/57

- 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: 473.516+/-2.615 χ^2/NDF:1623.7/11

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

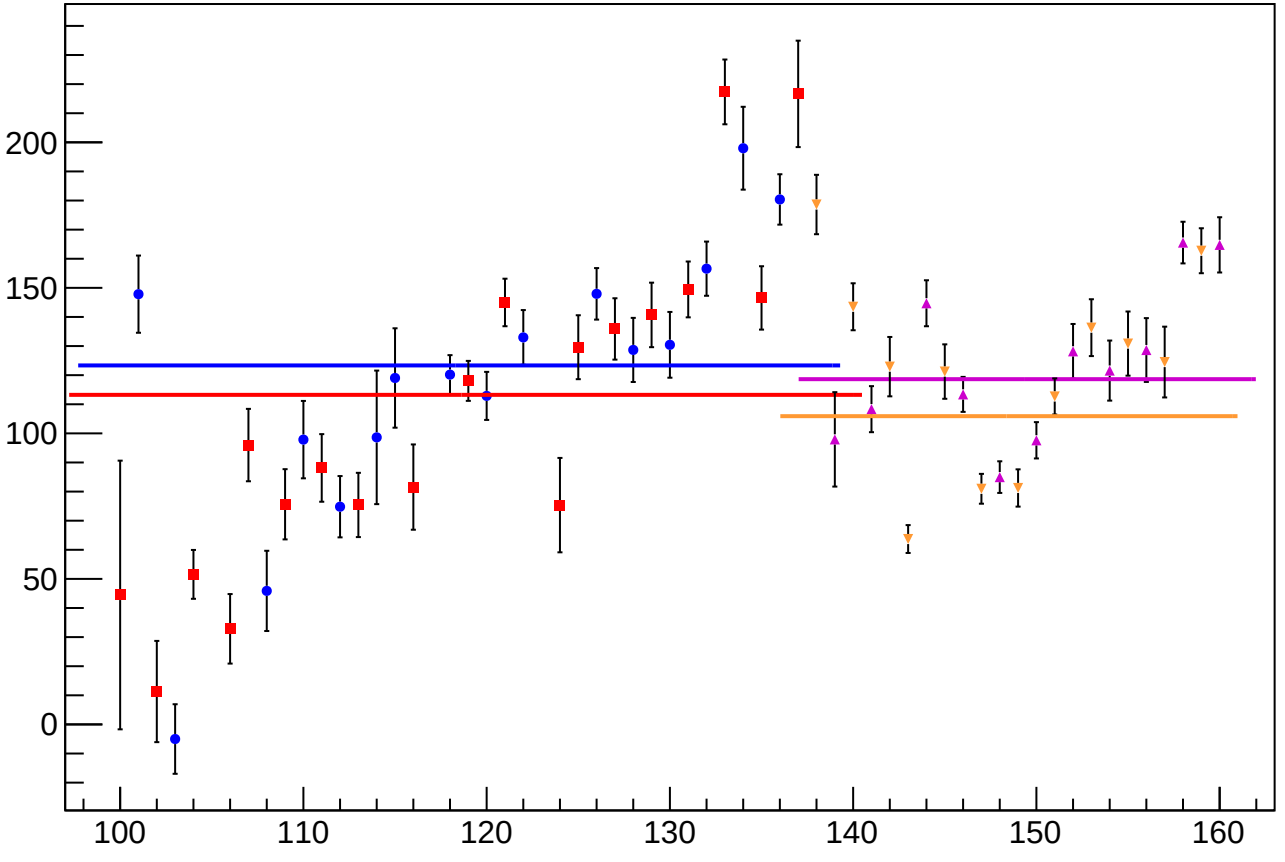
Left In: 535.884+/-2.873 χ^2/NDF:87.4/10

+ sign 488.553+/-1.804 χ^2/NDF: 4821.9/27

All: 495.519+/-1.289 χ^2/NDF: 9303.7/57

- 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: 105.911+/-2.131 χ^2/NDF:266.7/11

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

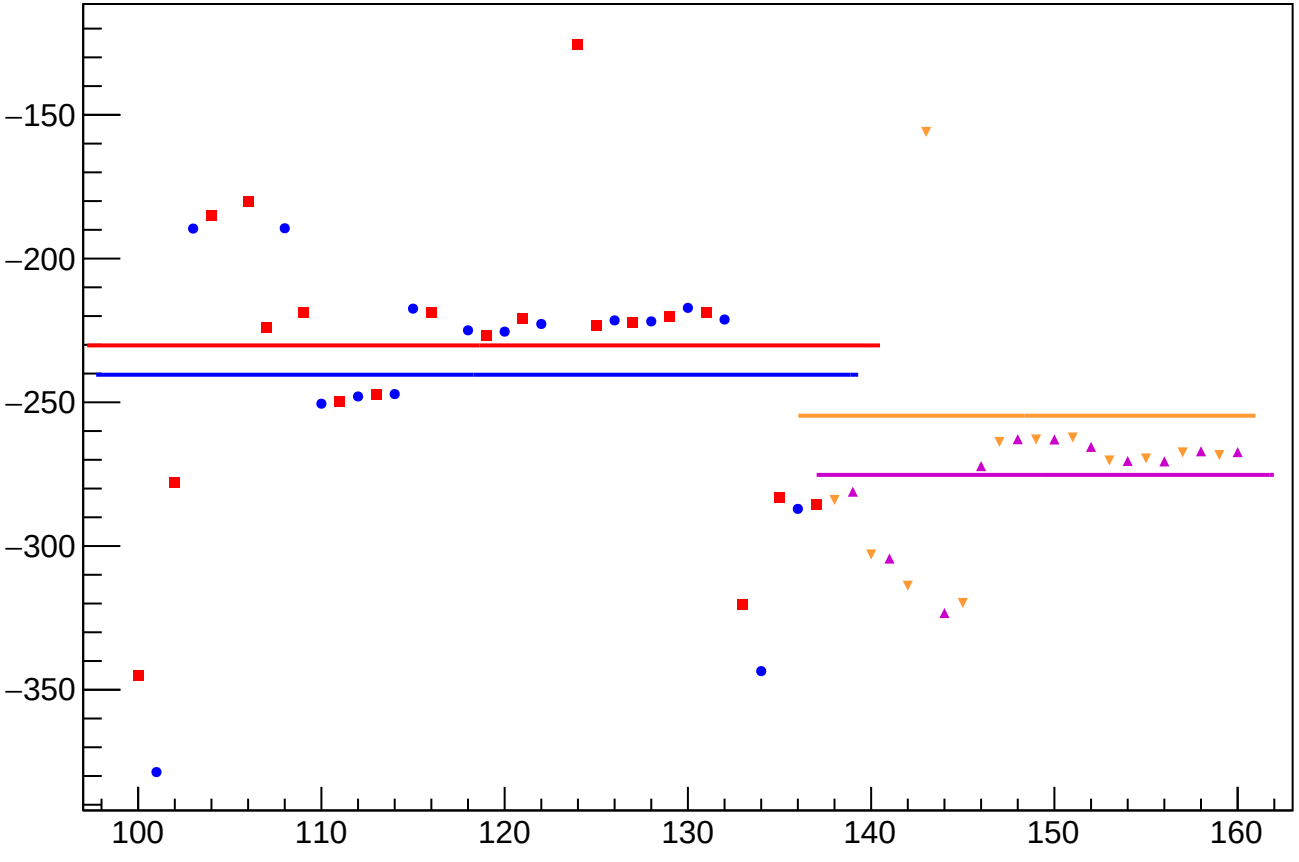
Left In: 118.624+/-2.339 χ^2/NDF:133.3/10

+ sign 112.827+/-1.655 χ^2/NDF: 564.7/27

All: 114.425+/-1.193 χ^2/NDF: 1048.1/57

- 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: -254.660+/-0.104 χ^2/NDF:238236.6/11

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

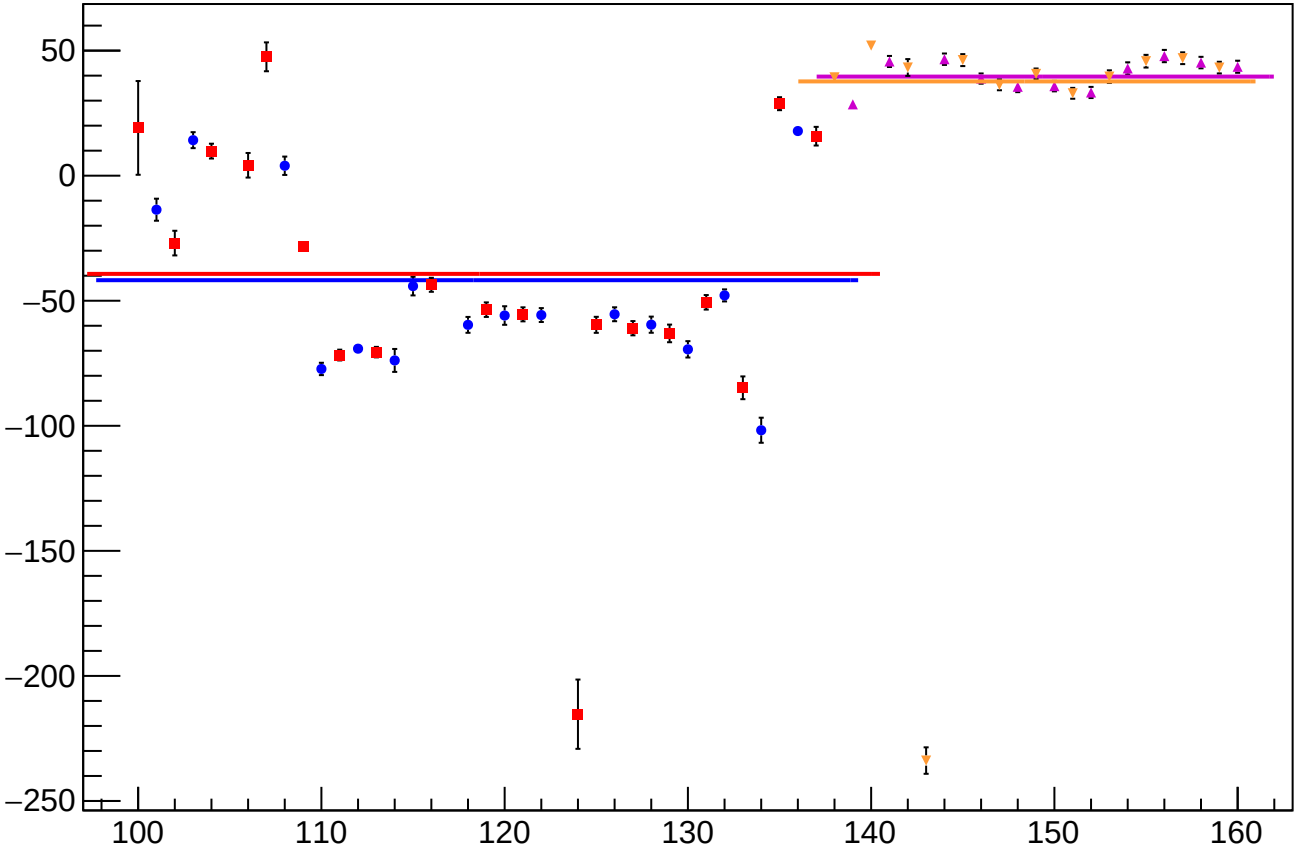
Left In: -275.248+/-0.110 χ^2/NDF:24149.8/10

+ sign -250.036+/-0.086 χ^2/NDF: 378433.9/27

All: -254.363+/-0.061 χ^2/NDF: 551532.7/57

- 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: 37.688+/-0.683 χ^2/NDF:2743.4/11

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

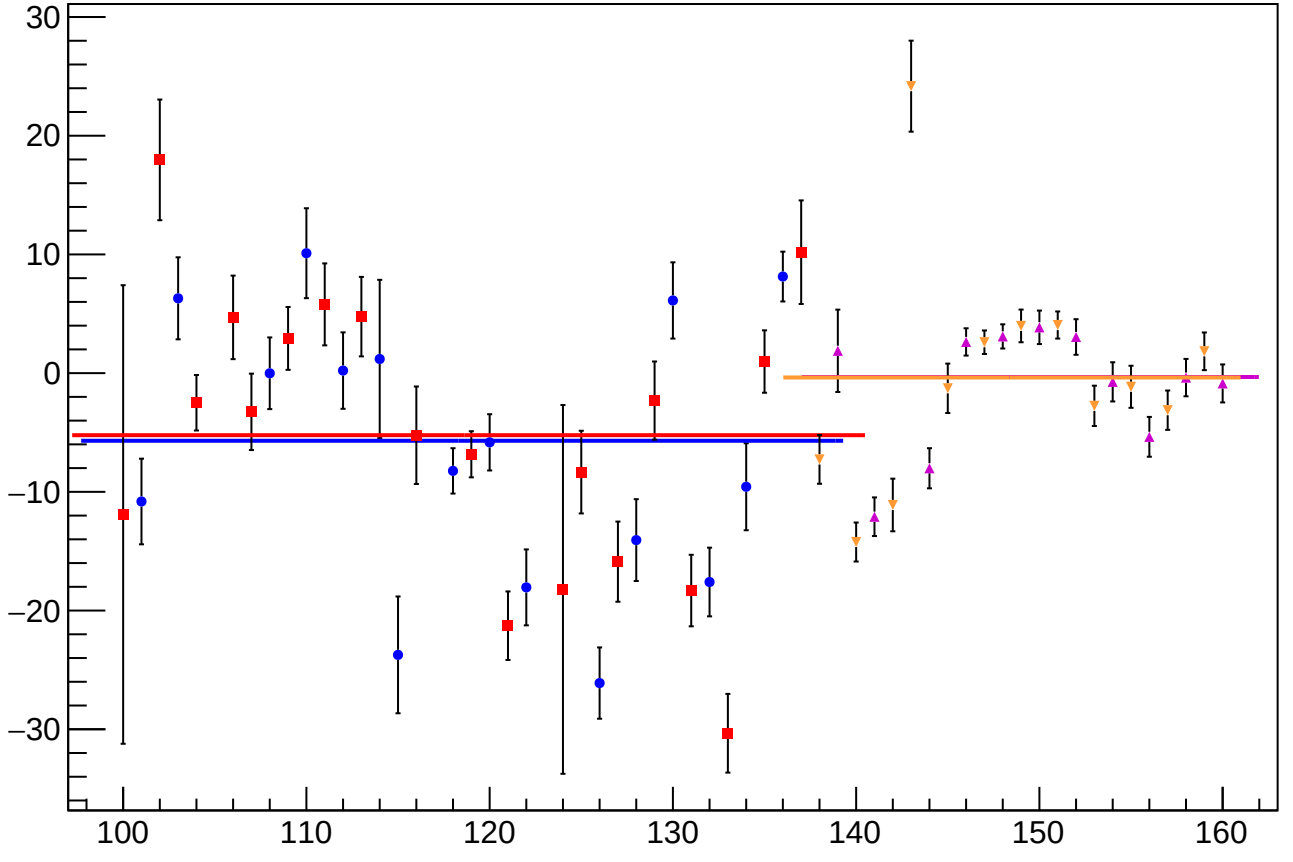
Left In: 39.616+/-0.668 χ^2/NDF:86.5/10

+ sign 0.196+/-0.497 χ^2/NDF: 11529.8/27

All: 0.532+/-0.344 χ^2/NDF: 20944.0/57

- 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: -0.367+/-0.454 χ^2/NDF:188.0/11

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

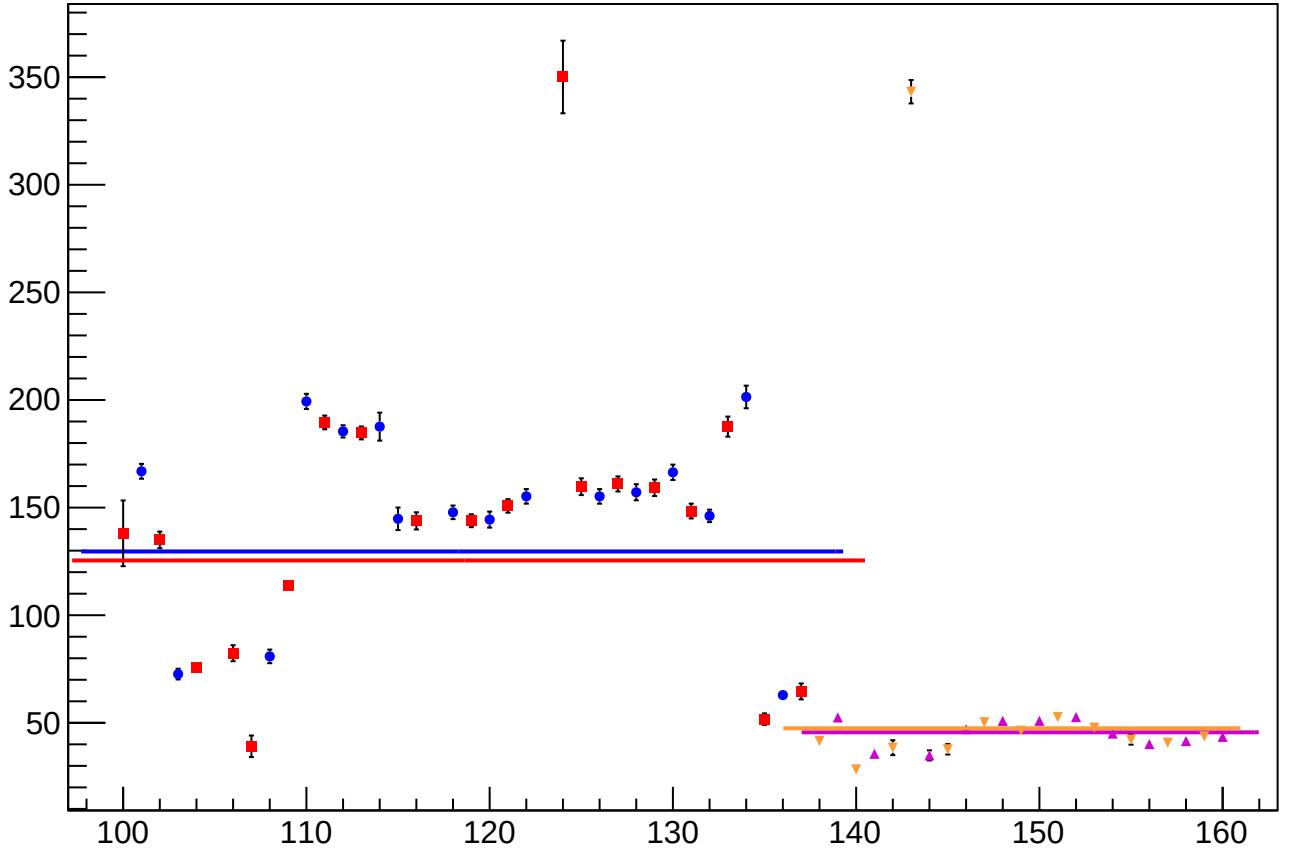
Left In: -0.325+/-0.448 χ^2/NDF:114.3/10

+ sign -1.788+/-0.389 χ^2/NDF: 421.5/27

All: -1.712+/-0.273 χ^2/NDF: 765.3/57

- 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: 47.461+/-0.661 χ^2/NDF:3103.7/11

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

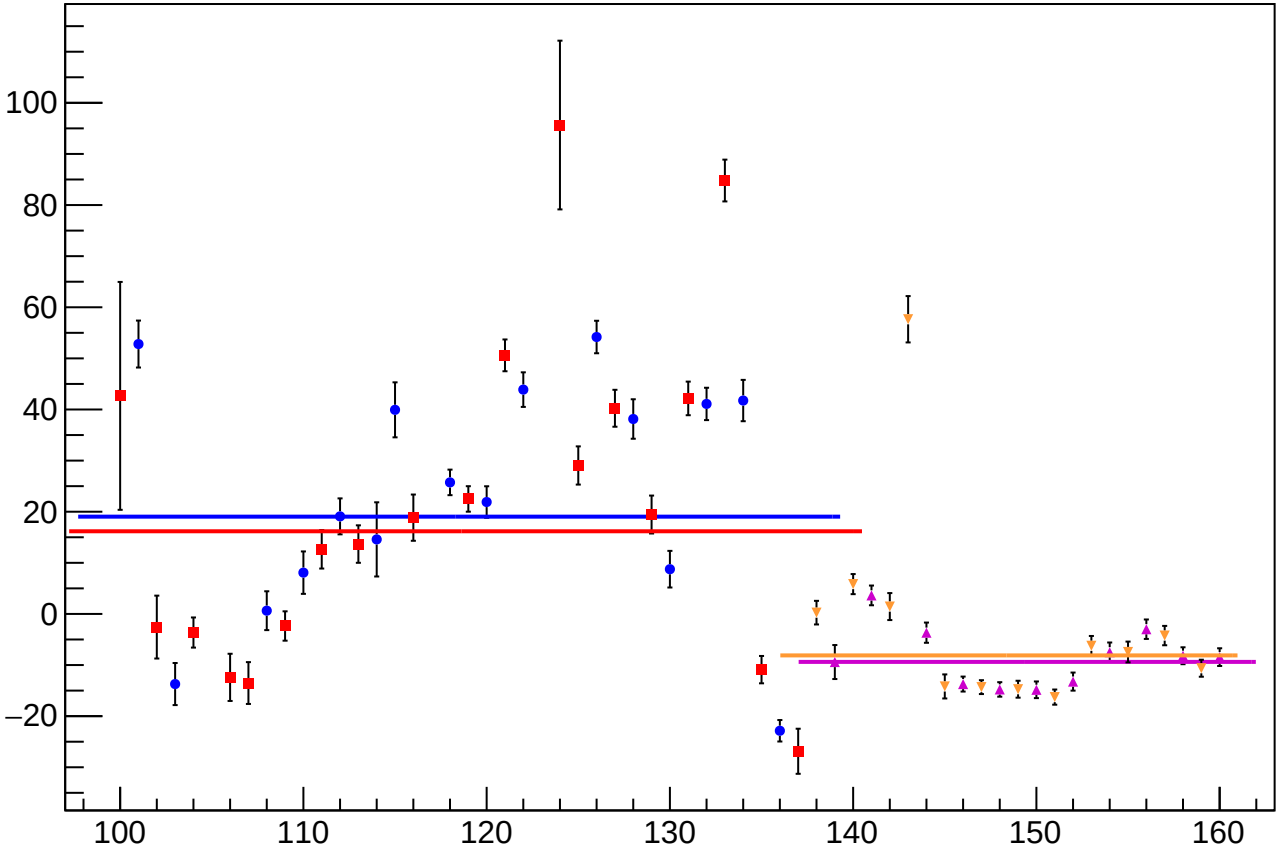
Left In: 45.588+/-0.643 χ^2/NDF:88.4/10

+ sign 80.736+/-0.510 χ^2/NDF: 12993.9/27

All: 79.045+/-0.356 χ^2/NDF: 22752.5/57

- 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: -8.113+/-0.548 χ^2/NDF:368.3/11

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

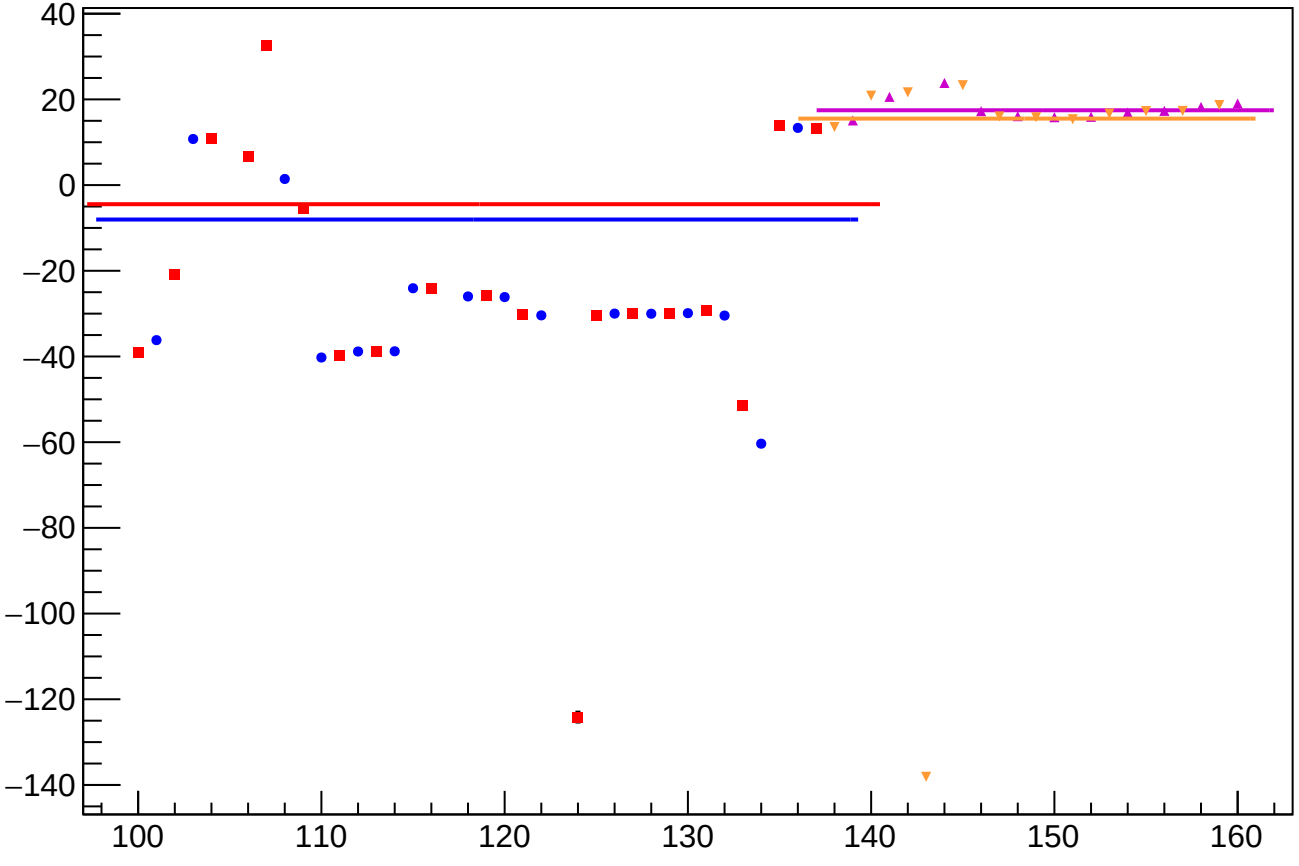
Left In: -9.384+/-0.533 χ^2/NDF:106.0/10

+ sign -0.279+/-0.462 χ^2/NDF: 1935.5/27

All: -1.227+/-0.323 χ^2/NDF: 3644.7/57

- 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: 15.516+/-0.025 χ^2/NDF:475772.4/11

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

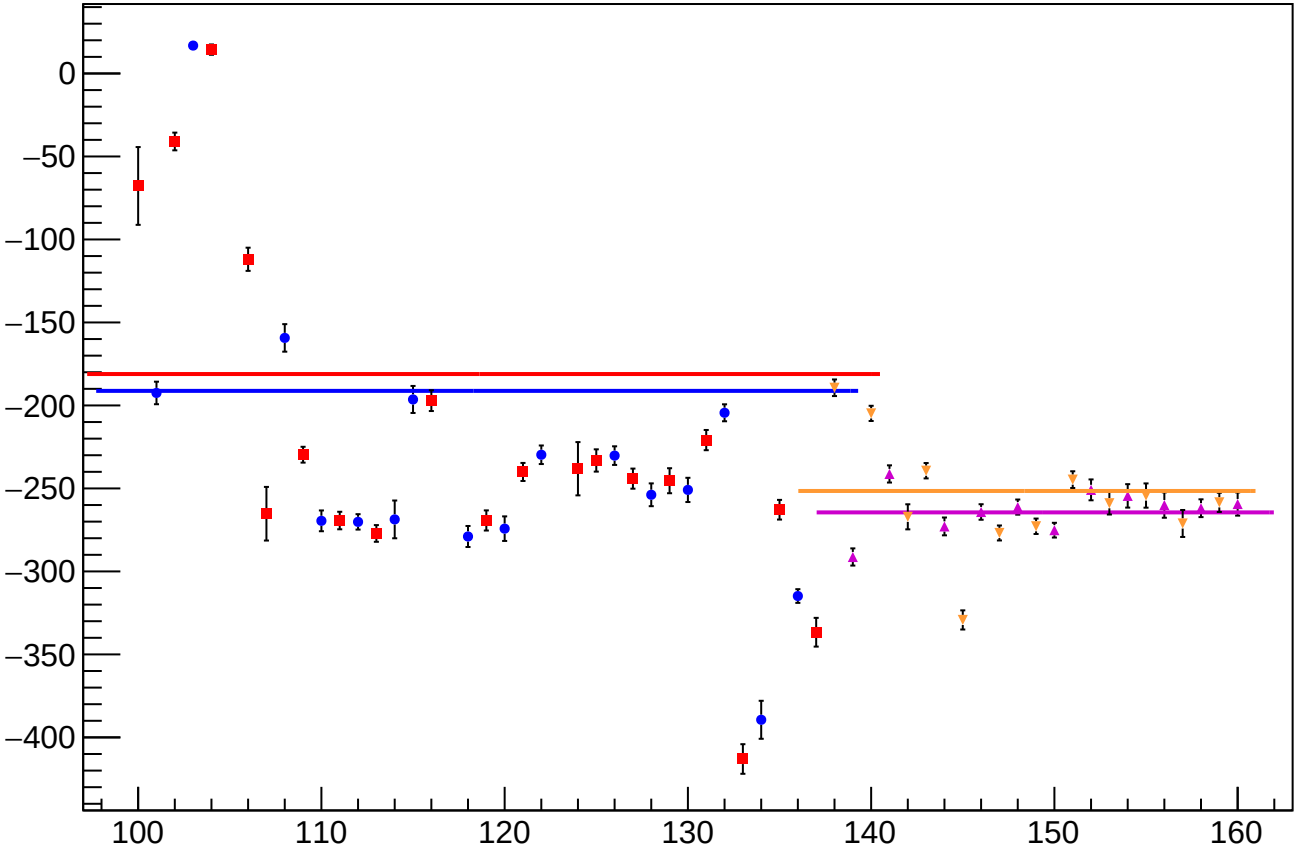
Left In: 17.461+/-0.024 χ^2/NDF:7571.1/10

+ sign 10.052+/-0.022 χ^2/NDF: 946532.7/27

All: 11.506+/-0.015 χ^2/NDF: 1364444.8/57

- 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: -251.531+/-1.577 χ^2/NDF:514.2/11

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

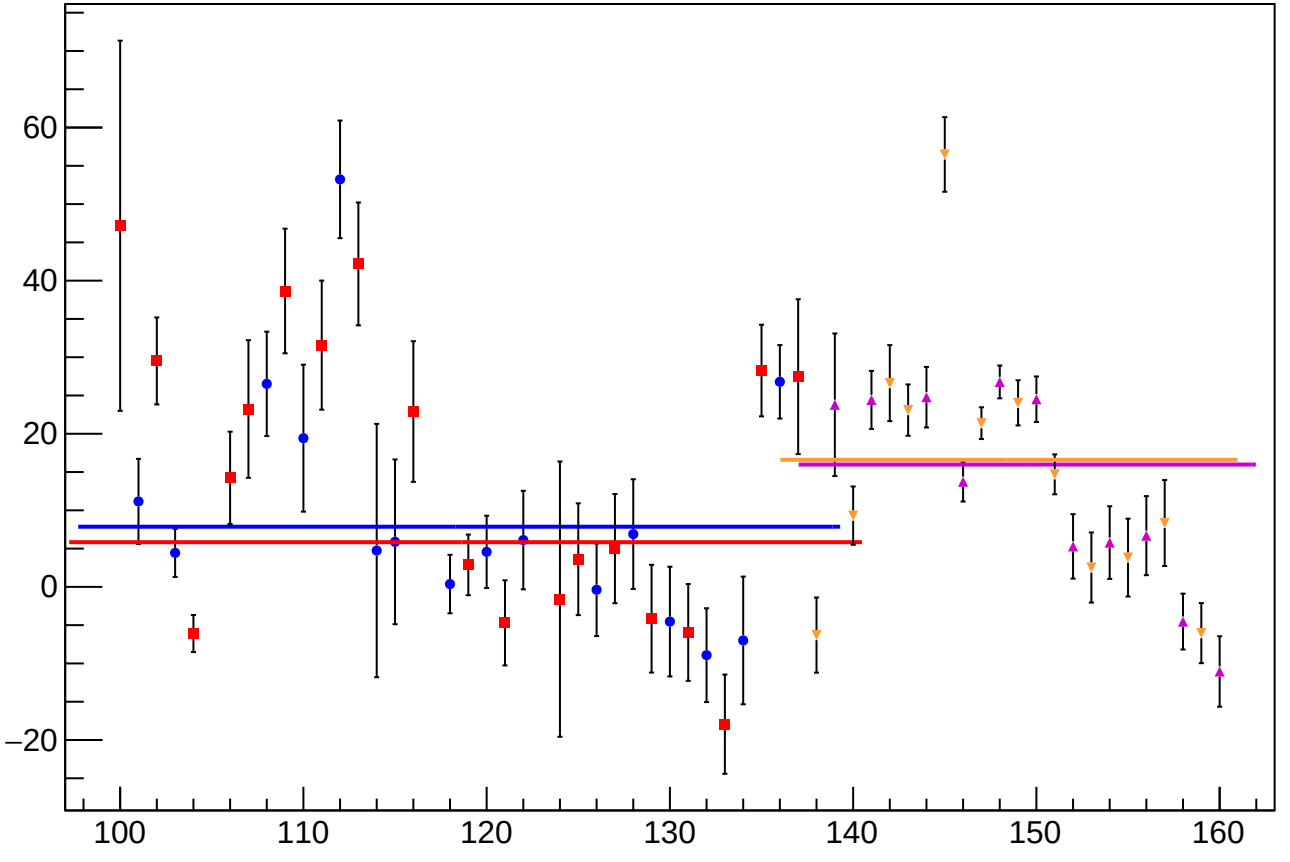
Left In: -264.439+/-1.640 χ^2/NDF:63.4/10

+ sign -218.199+/-1.055 χ^2/NDF: 8547.3/27

All: -216.953+/-0.747 χ^2/NDF: 17497.4/57

- 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: 16.599+/-1.021 χ^2/NDF:163.6/11

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

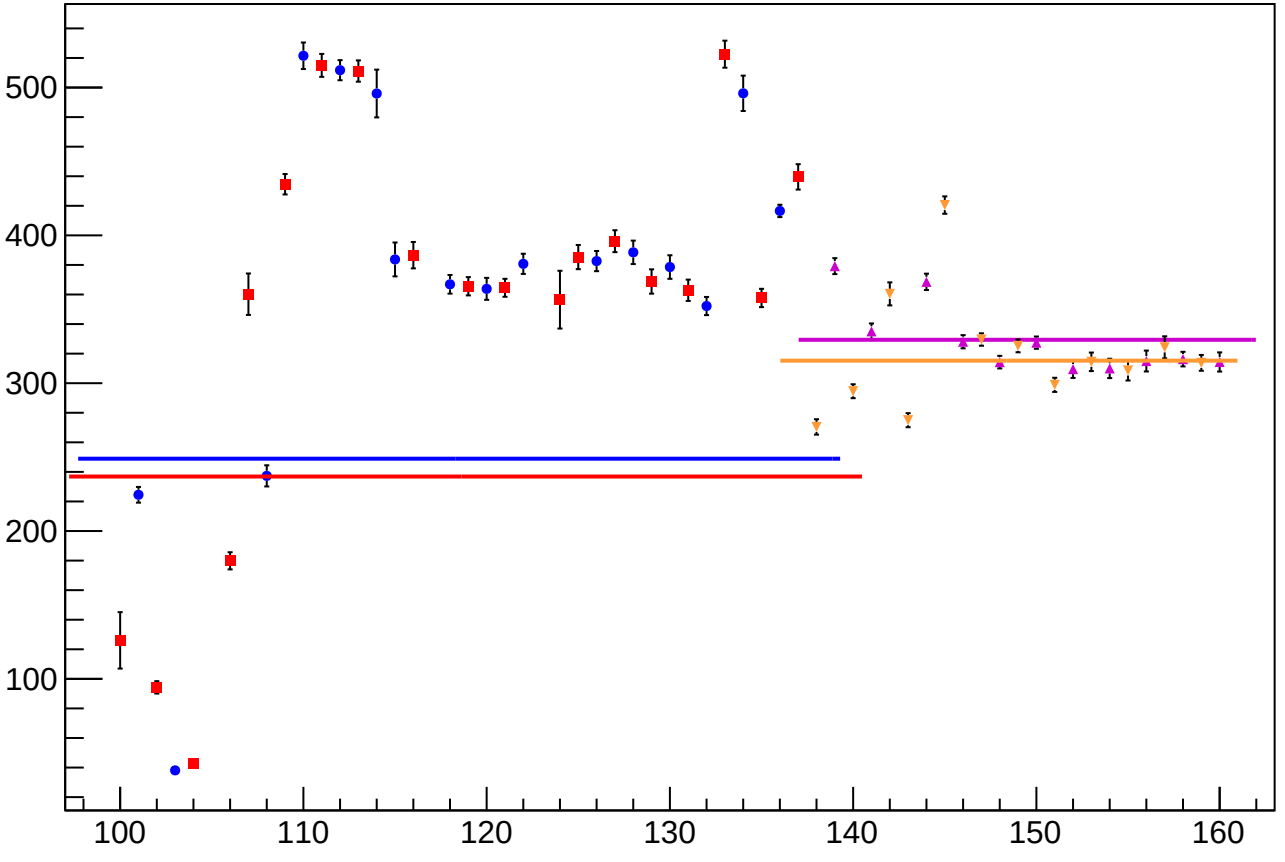
Left In: 15.979+/-1.063 χ^2/NDF:125.3/10

+ sign 13.671+/-0.832 χ^2/NDF: 269.1/27

All: 12.898+/-0.590 χ^2/NDF: 572.7/57

- 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: 315.253+/-1.535 χ^2/NDF:549.1/11

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

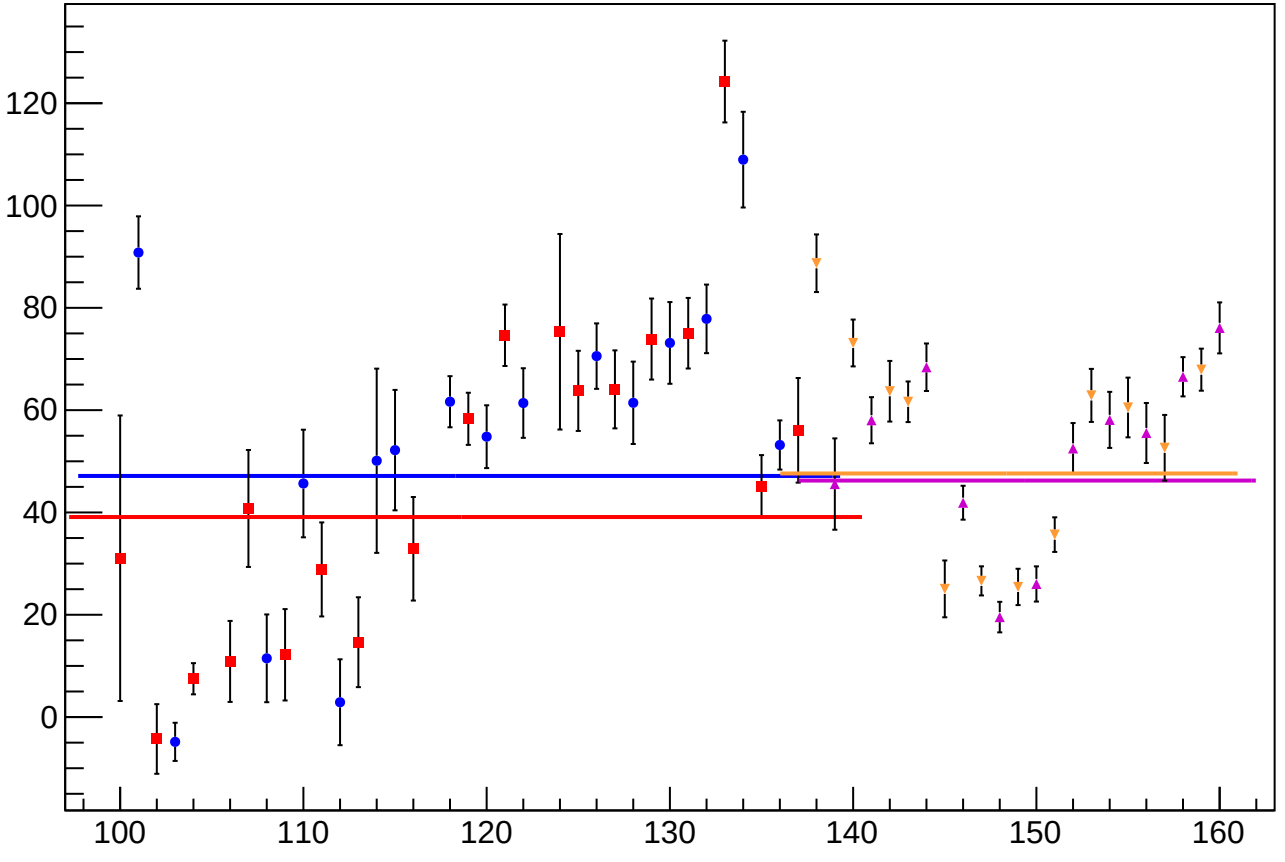
Left In: 329.366+/-1.578 χ^2/NDF:185.6/10

+ sign 279.552+/-1.043 χ^2/NDF: 16856.0/27

All: 278.694+/-0.740 χ^2/NDF: 34614.5/57

- 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: 47.620+/-1.246 χ^2/NDF:265.1/11

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

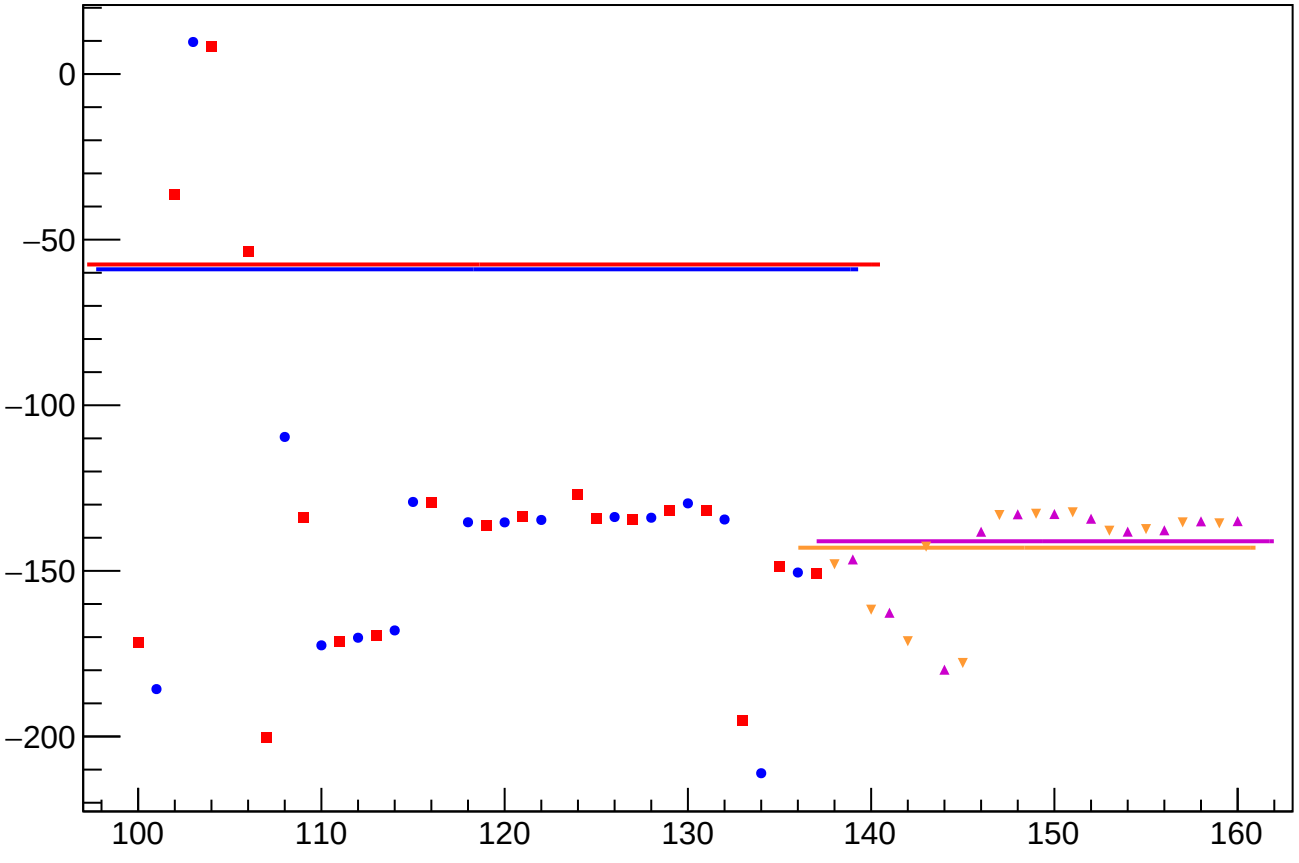
Left In: 46.235+/-1.283 χ^2/NDF:218.4/10

+ sign 47.447+/-0.998 χ^2/NDF: 650.5/27

All: 45.444+/-0.707 χ^2/NDF: 1305.5/57

- 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: -143.004+/-0.061 χ^2/NDF:51402.5/11

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

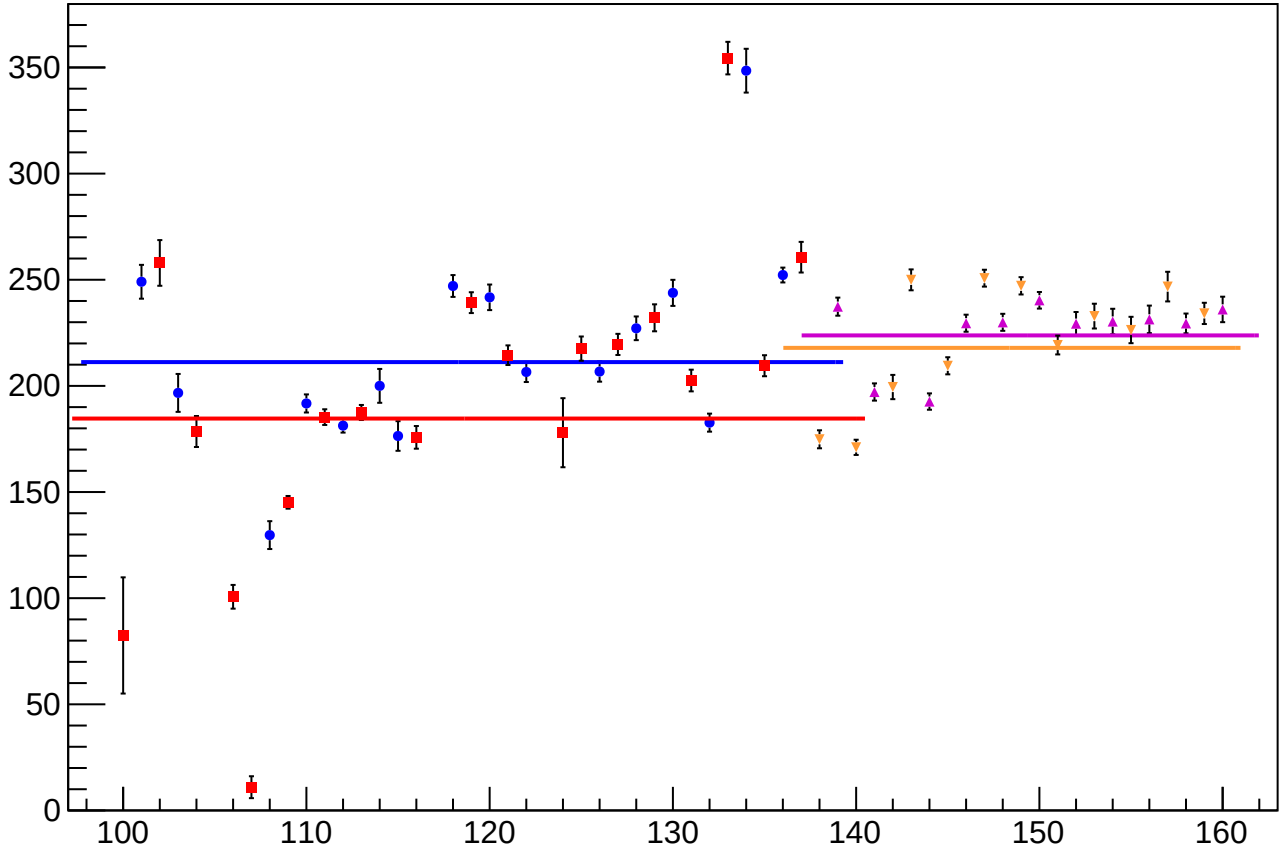
Left In: -141.058+/-0.060 χ^2/NDF:43231.5/10

+ sign -108.450+/-0.047 χ^2/NDF: 2067568.1/27

All: -108.136+/-0.033 χ^2/NDF: 3744686.6/57

- 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: 217.913+/-1.340 χ^2/NDF:486.7/11

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

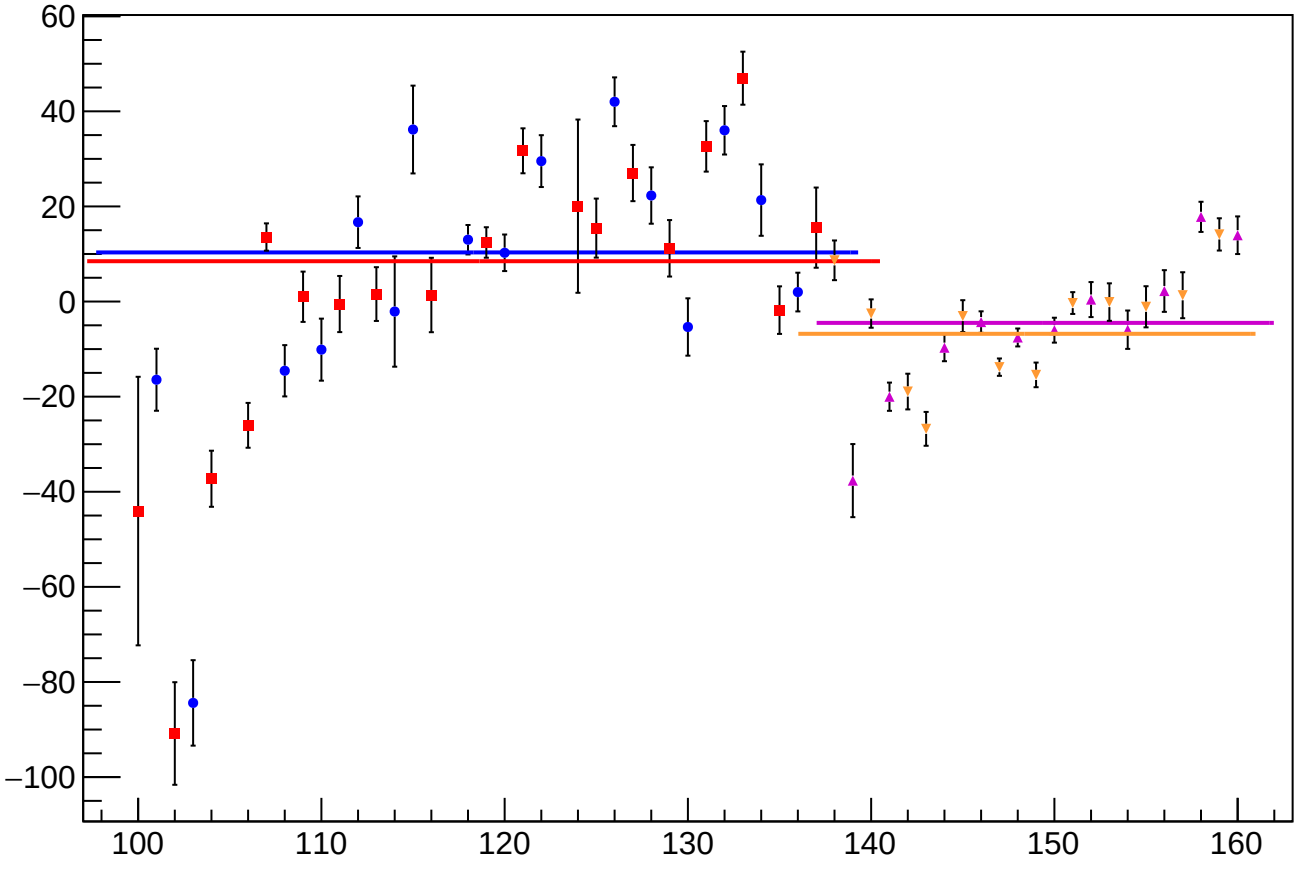
Left In: 223.779+/-1.371 χ^2/NDF:150.2/10

+ sign 214.448+/-0.931 χ^2/NDF: 1282.7/27

All: 207.754+/-0.647 χ^2/NDF: 4537.1/57

- 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: -6.787+/-0.879 χ^2/NDF:138.1/11

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

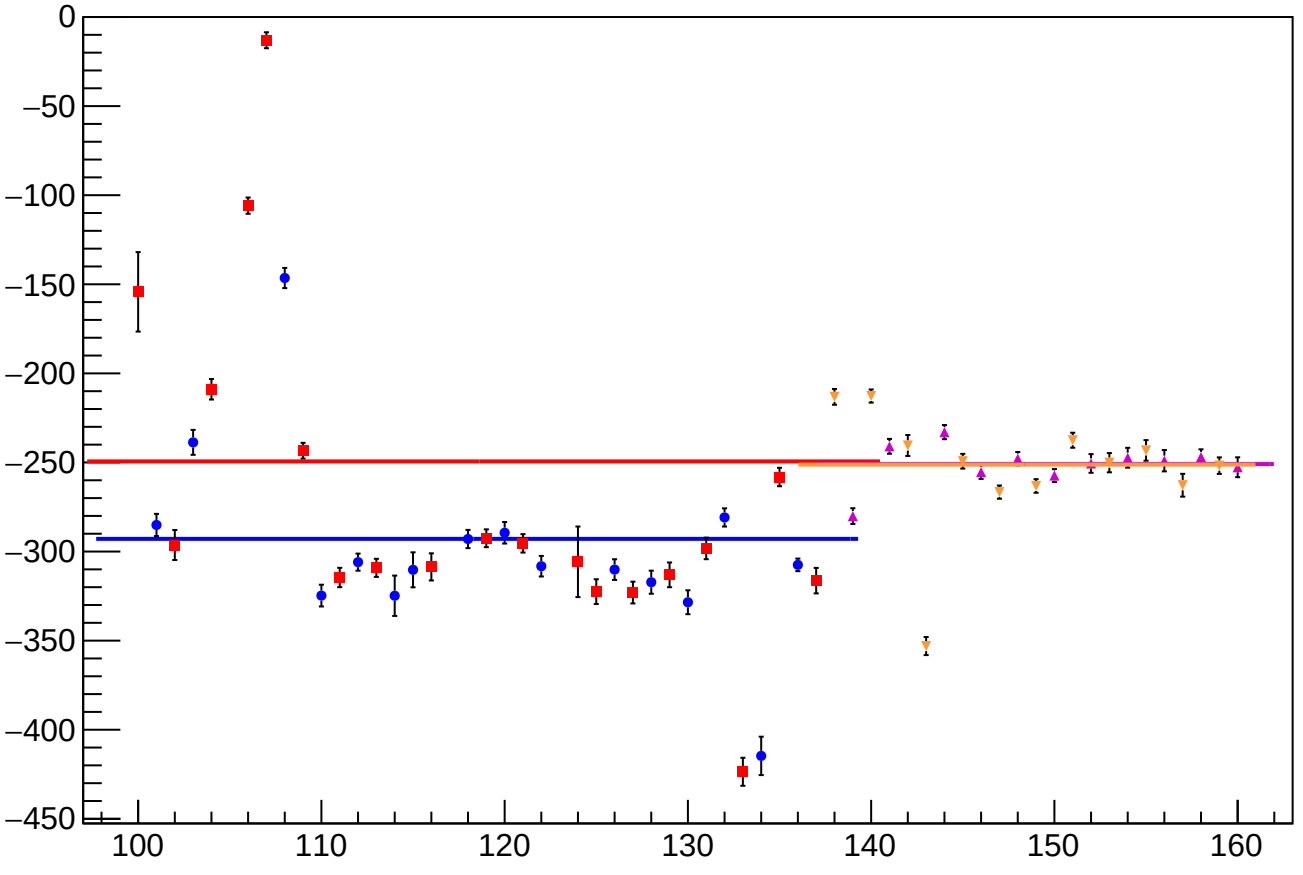
Left In: -4.487+/-0.903 χ^2/NDF:127.7/10

+ sign -1.602+/-0.734 χ^2/NDF: 516.4/27

All: -0.754+/-0.516 χ^2/NDF: 1041.7/57

- 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: -251.193+/-1.308 χ^2/NDF:634.0/11

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

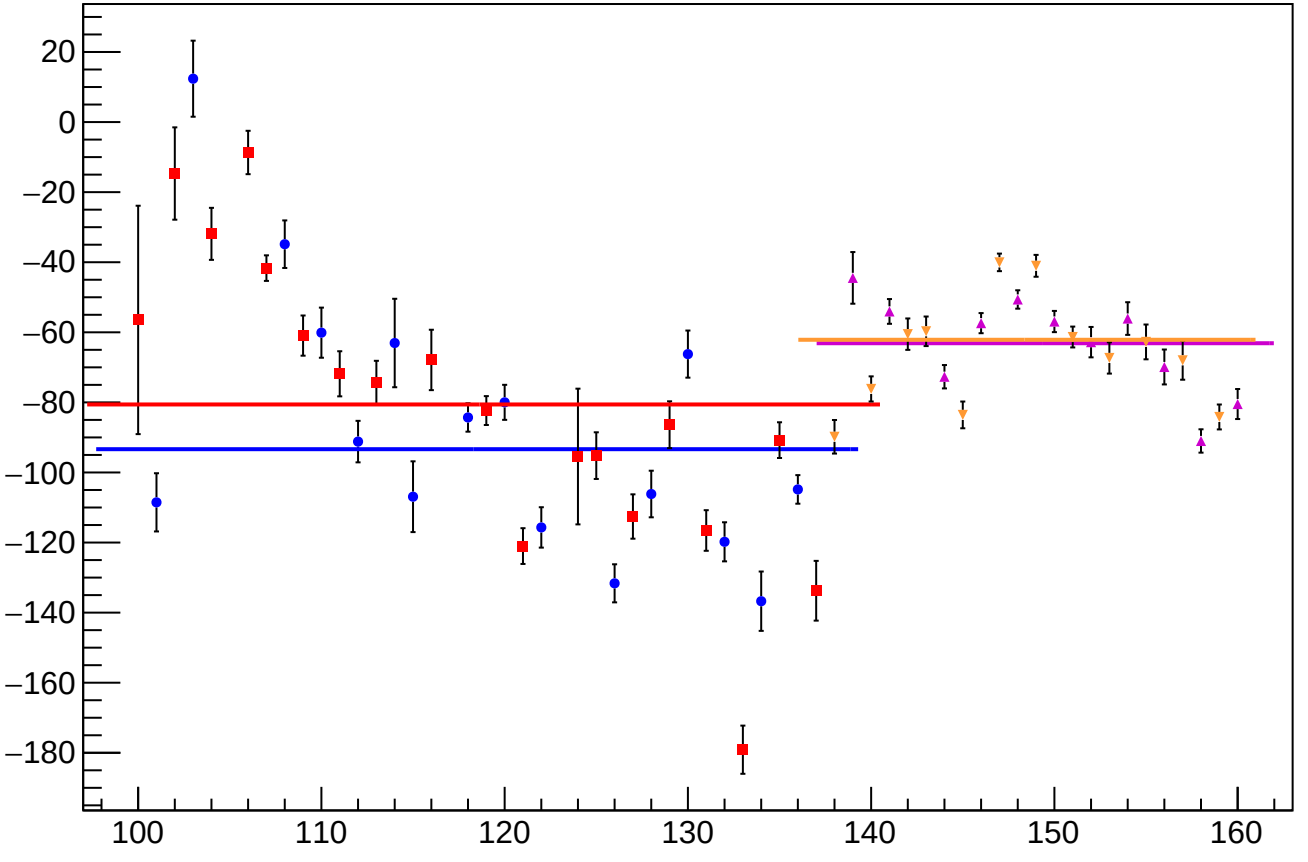
Left In: -250.905+/-1.326 χ^2/NDF:76.1/10

+ sign -269.651+/-0.977 χ^2/NDF: 2066.9/27

All: -259.670+/-0.682 χ^2/NDF: 7715.8/57

- 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: -62.131+/-1.070 χ^2/NDF:245.2/11

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

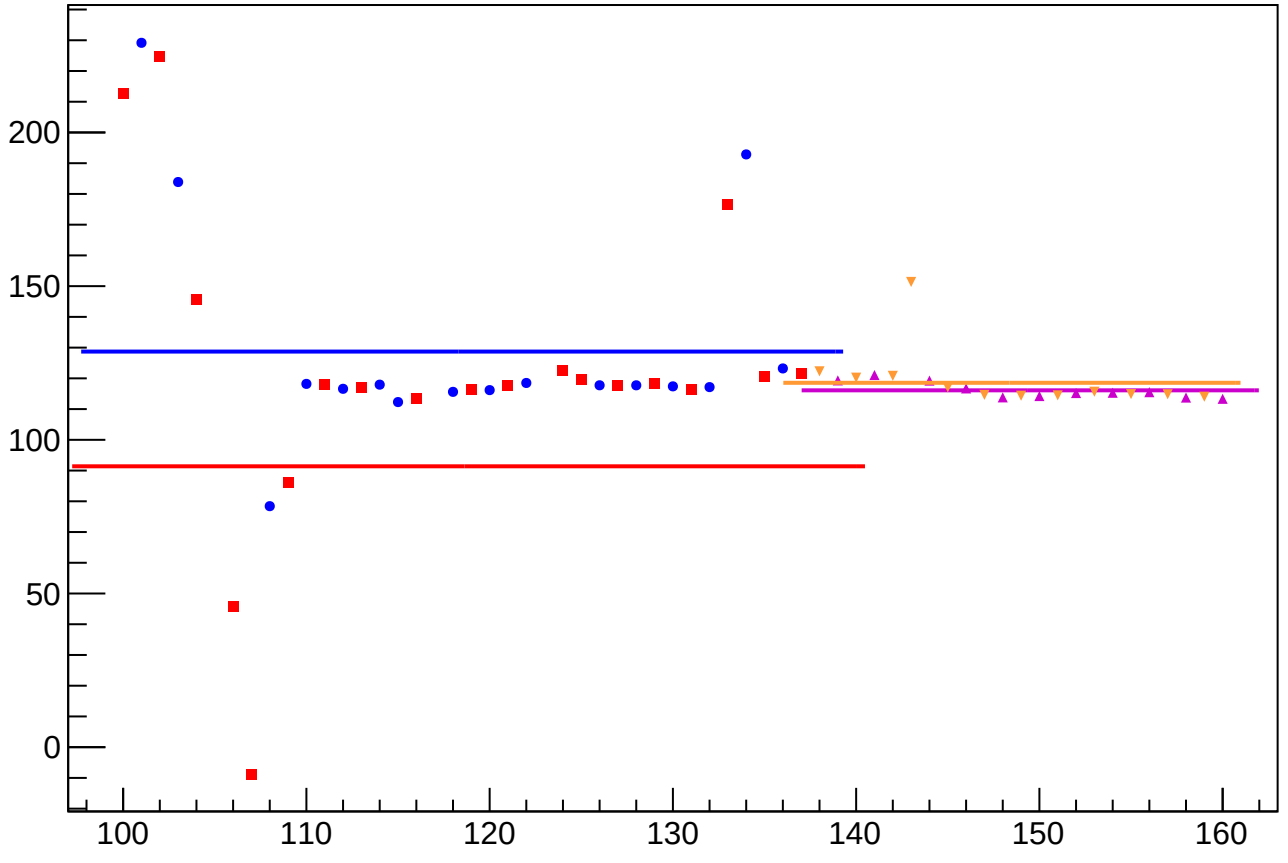
Left In: -63.116+/-1.086 χ^2/NDF:142.6/10

+ sign -72.346+/-0.878 χ^2/NDF: 879.2/27

All: -70.922+/-0.616 χ^2/NDF: 1837.6/57

- 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: 118.556+/-0.052 χ^2/NDF:28462.8/11

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

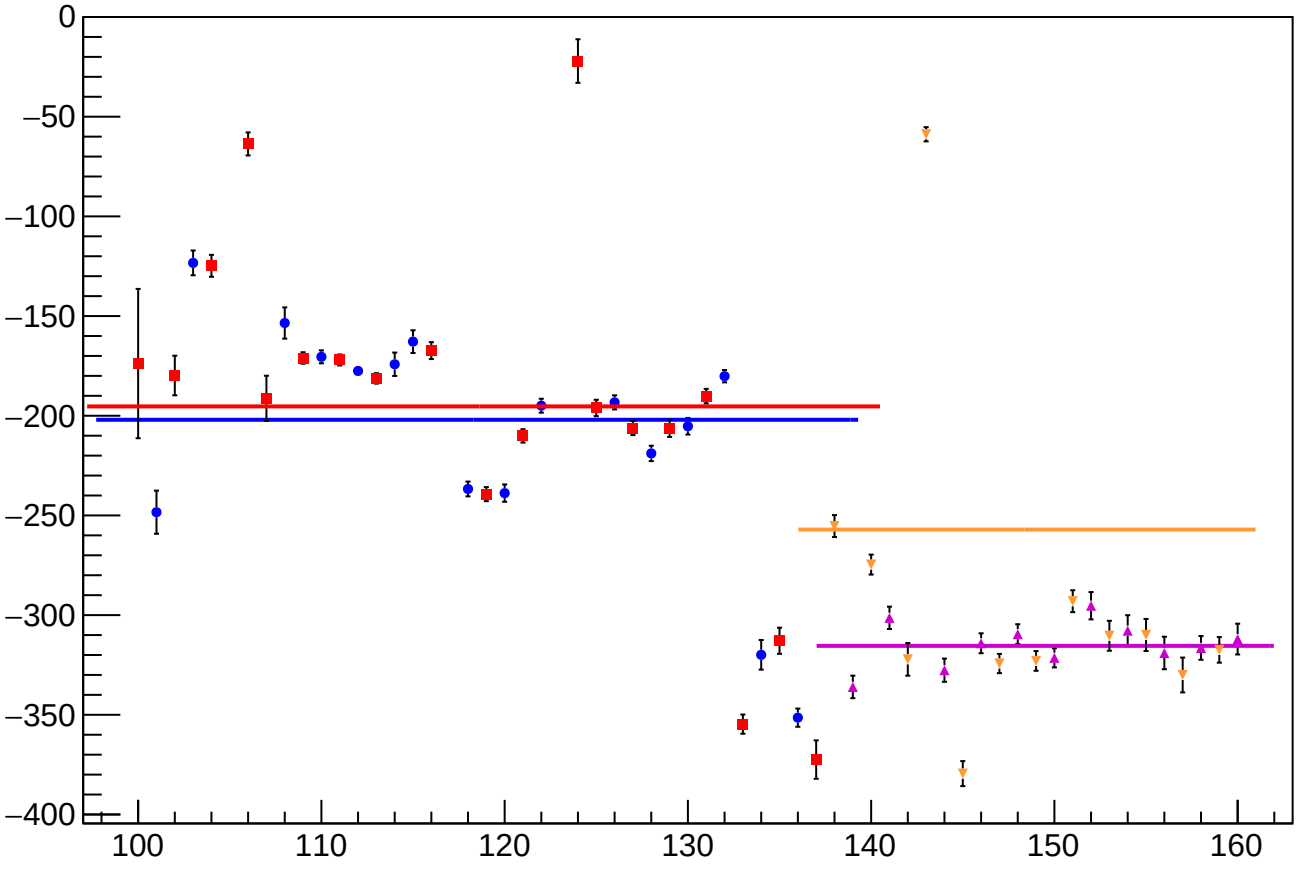
Left In: 116.103+/-0.051 χ^2/NDF:2476.4/10

+ sign 121.113+/-0.045 χ^2/NDF: 221706.7/27

All: 114.717+/-0.031 χ^2/NDF: 937385.0/57

- 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: -257.110+/-1.623 χ^2/NDF:4226.4/11

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

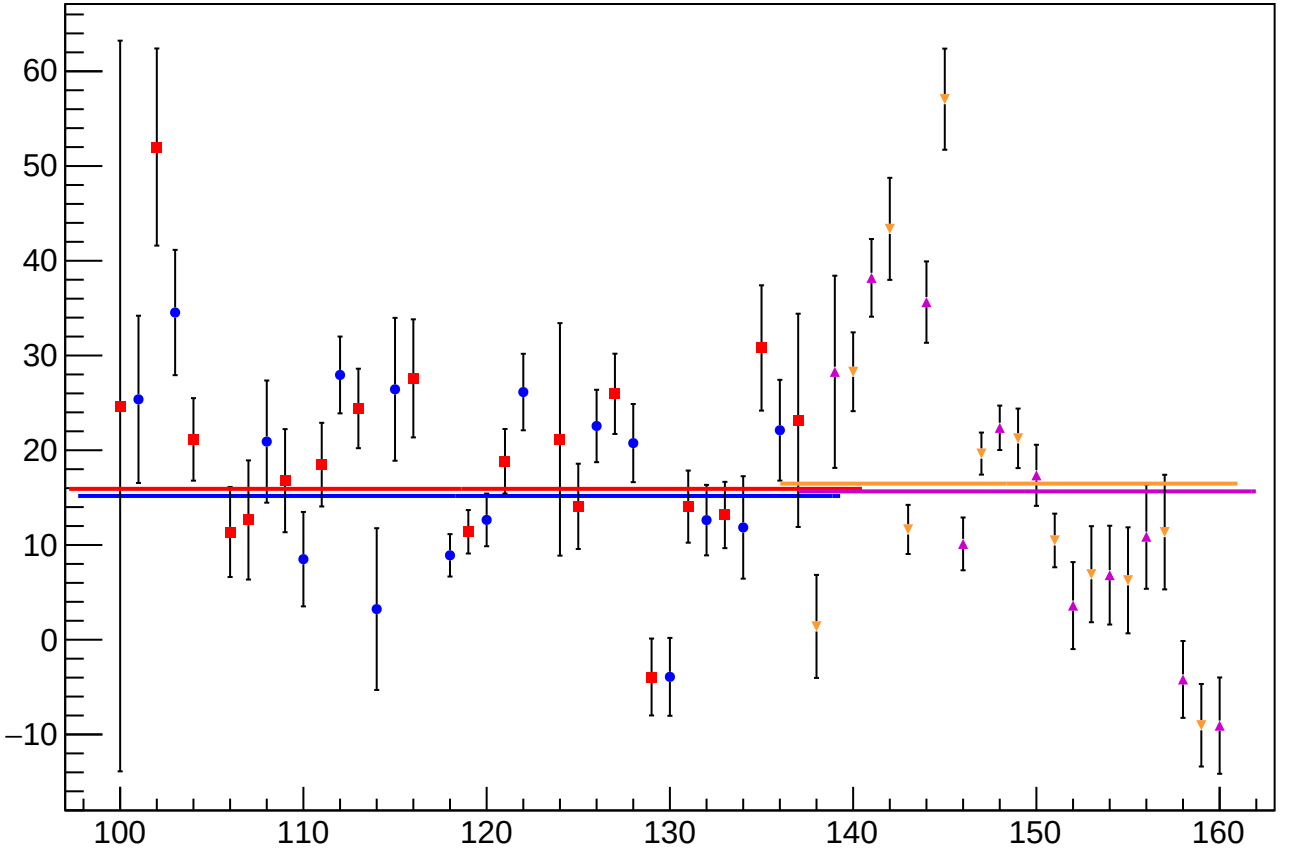
Left In: -315.412+/-1.784 χ^2/NDF:37.0/10

\+ sign -217.706+/-0.866 χ^2/NDF: 7090.8/27

All: -220.333+/-0.608 χ^2/NDF: 13737.7/57

\- 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: 16.479+/-1.060 χ^2/NDF:152.6/11

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

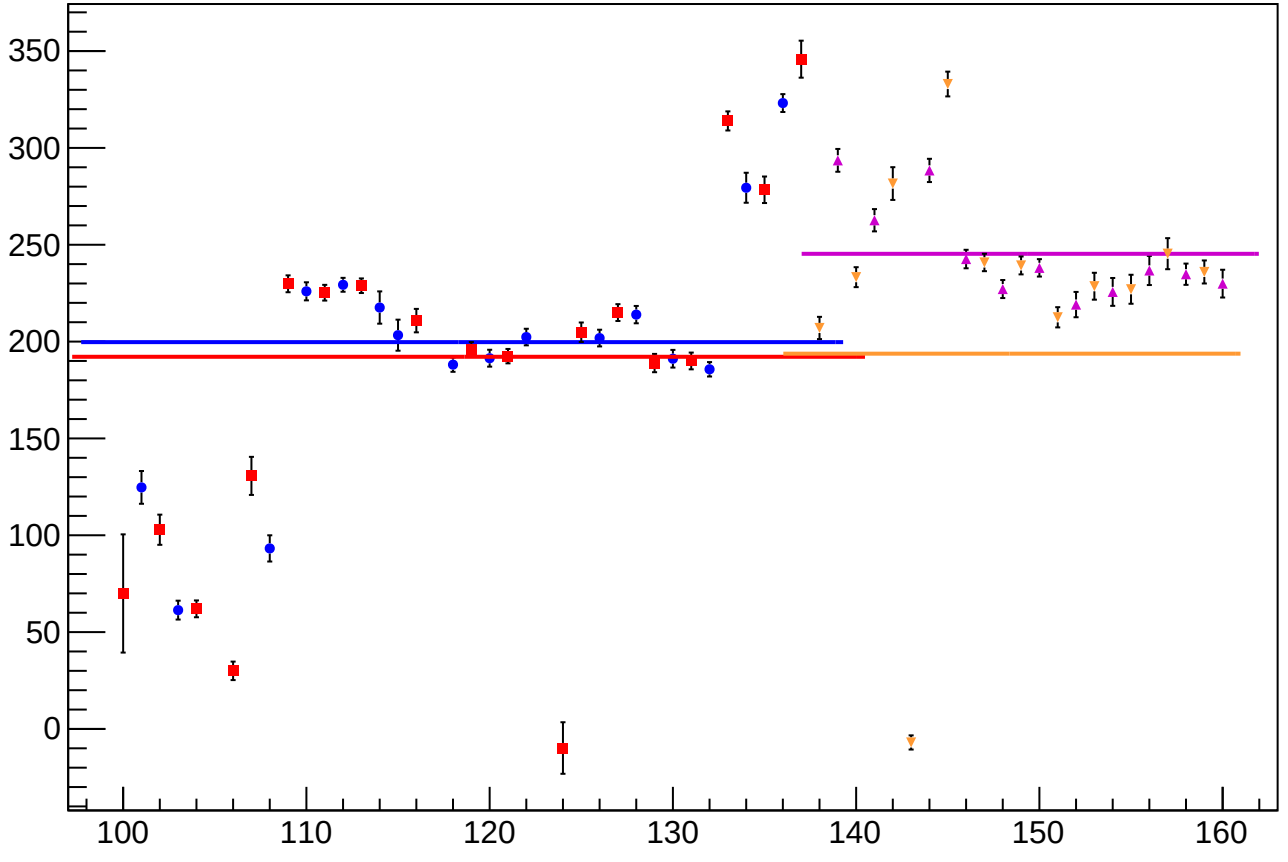
Left In: 15.657+/-1.157 χ^2/NDF:124.0/10

+ sign 15.820+/-0.745 χ^2/NDF: 225.8/27

All: 15.813+/-0.536 χ^2/NDF: 413.3/57

- 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: 193.761+/-1.588 χ^2/NDF:4010.4/11

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

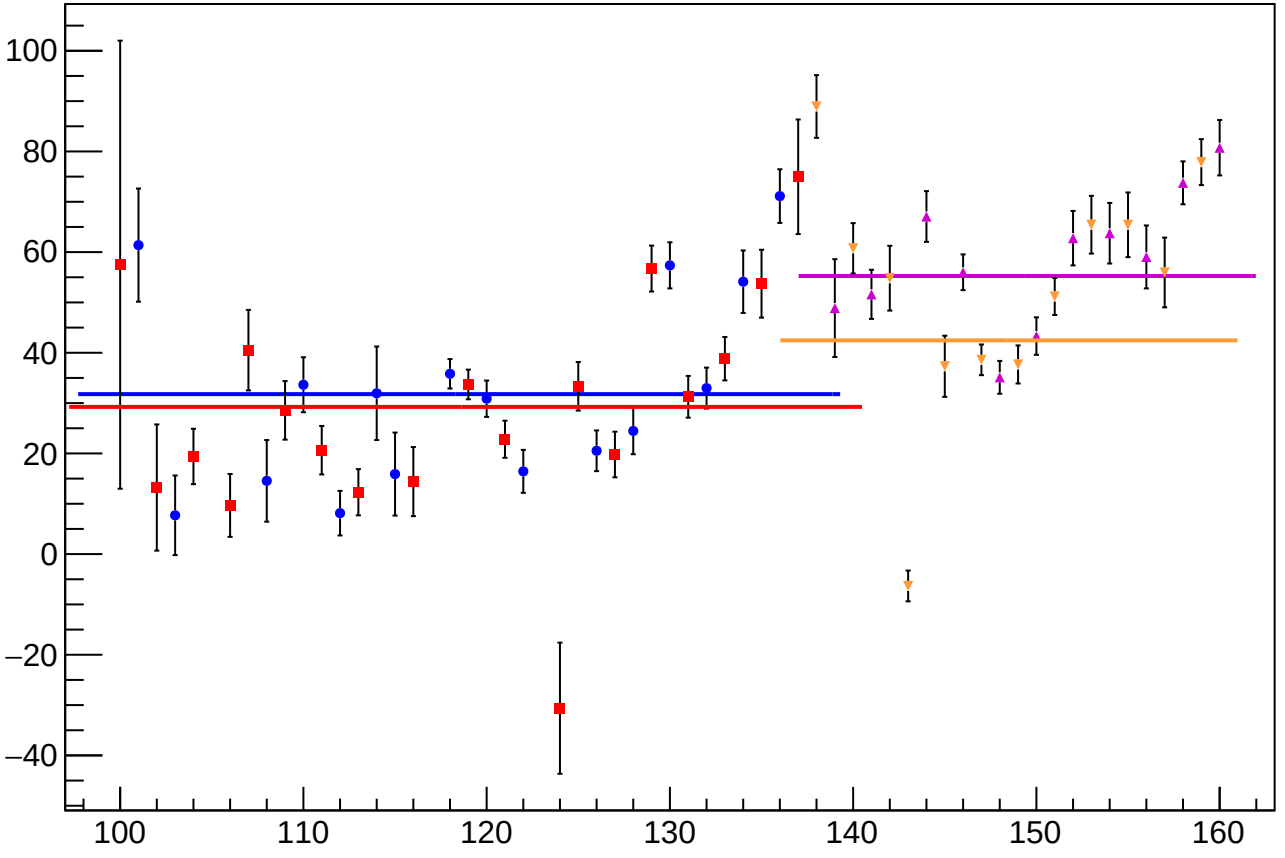
Left In: 245.320+/-1.717 χ^2/NDF:179.0/10

+ sign 197.565+/-0.955 χ^2/NDF: 6121.0/27

All: 203.095+/-0.676 χ^2/NDF: 10805.9/57

- 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: 42.463+/-1.292 χ^2/NDF:429.5/11

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

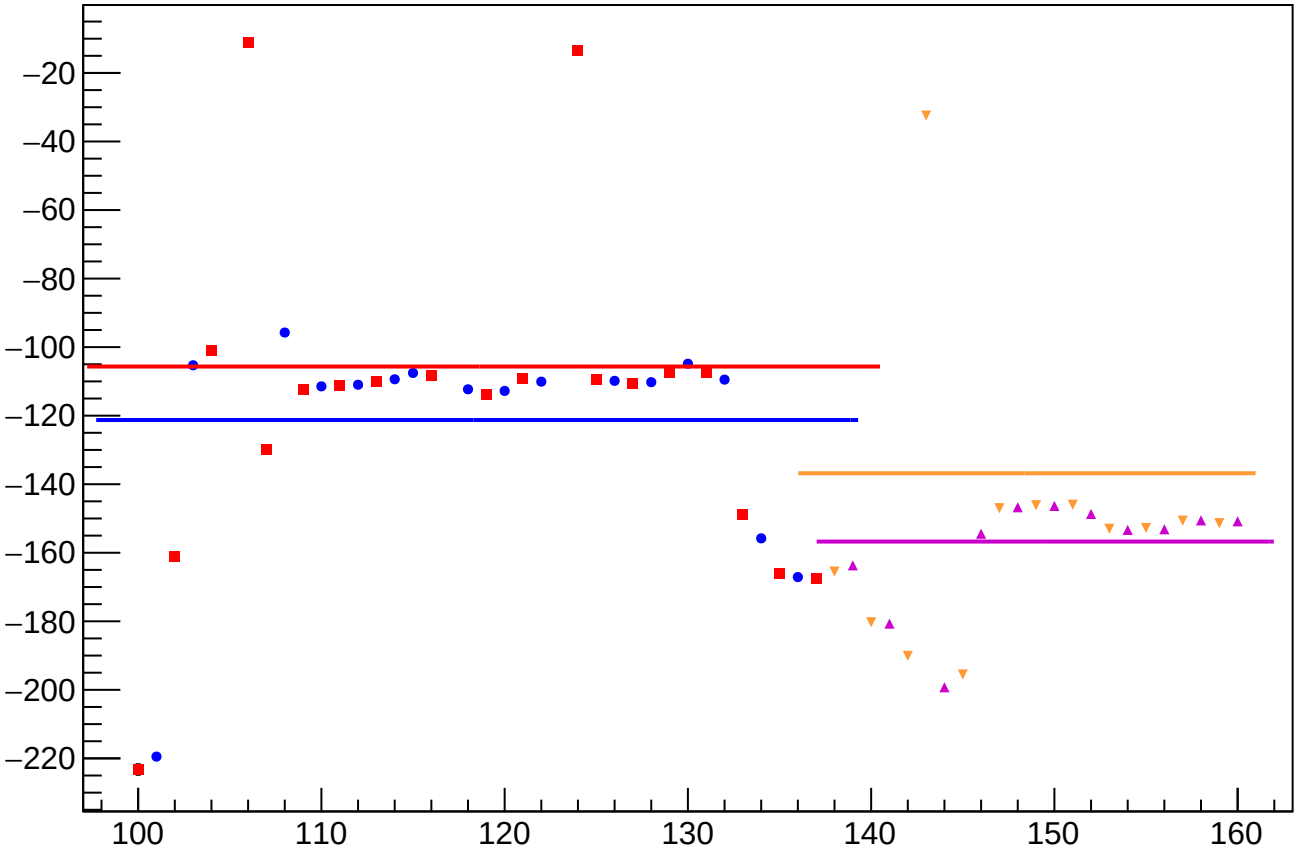
Left In: 55.255+/-1.397 χ^2/NDF:99.5/10

+ sign 36.801+/-0.886 χ^2/NDF: 642.7/27

All: 38.482+/-0.634 χ^2/NDF: 1090.4/57

- 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: -136.800+/-0.063 χ^2/NDF:623652.2/11

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

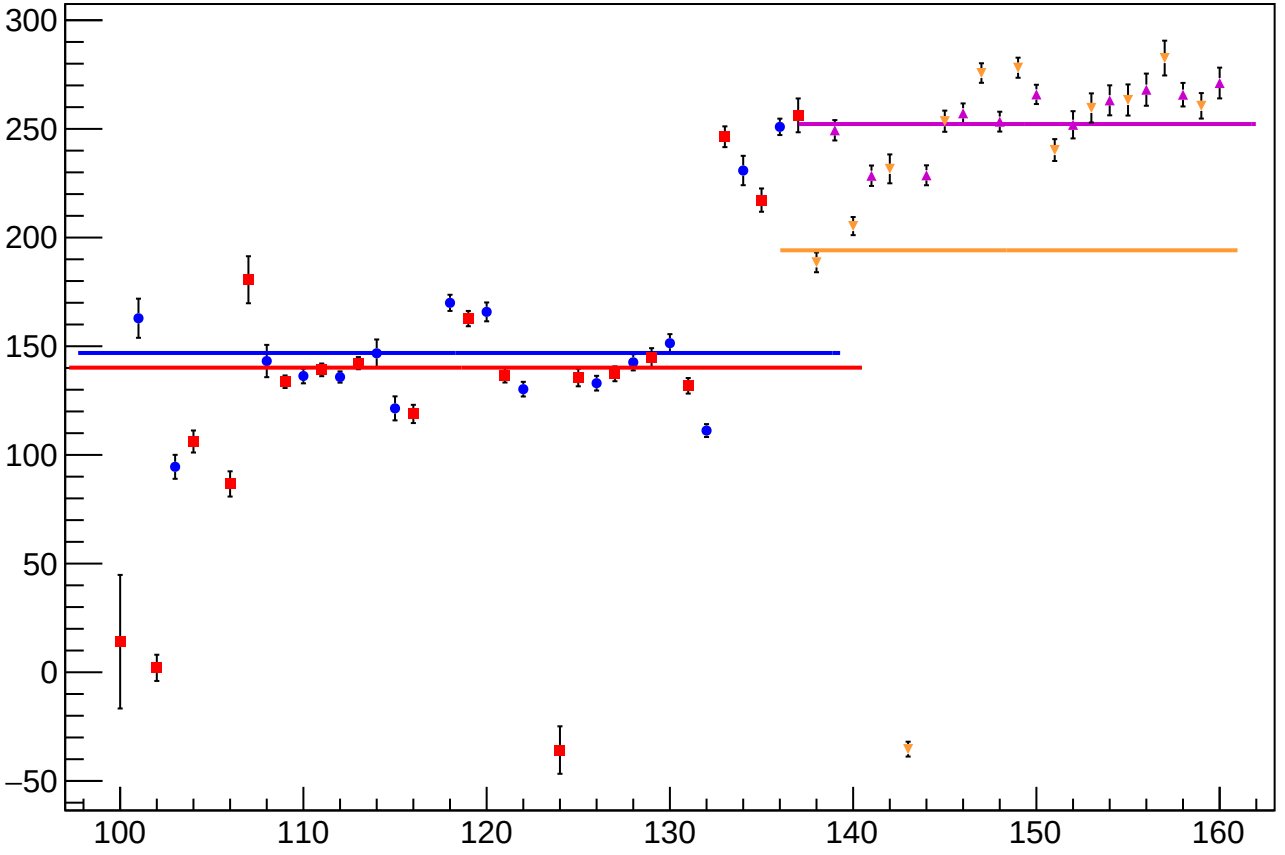
Left In: -156.738+/-0.066 χ^2/NDF:45713.9/10

+ sign -130.773+/-0.049 χ^2/NDF: 766571.9/27

All: -132.612+/-0.035 χ^2/NDF: 1433678.0/57

- 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: 194.145+/-1.446 χ^2/NDF:5878.5/11

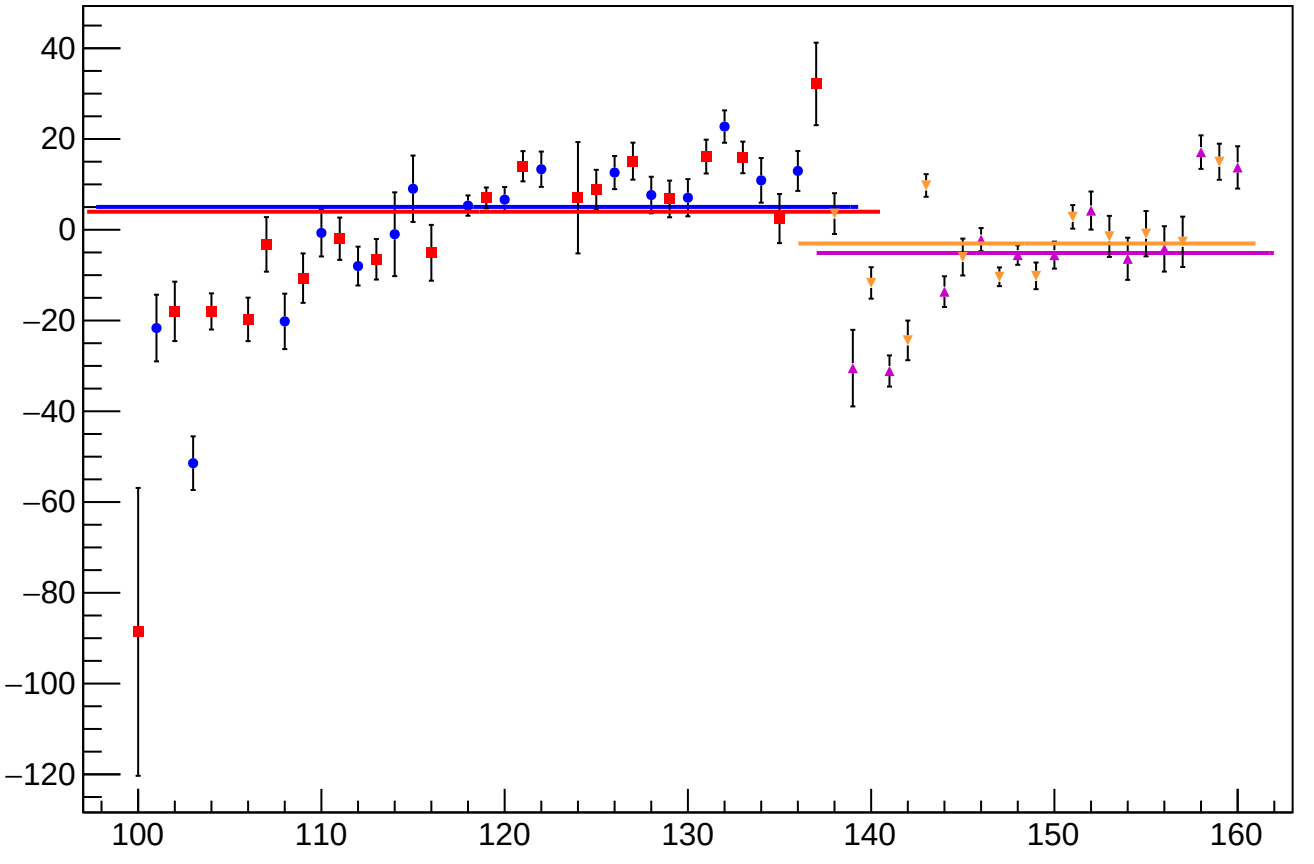
Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 252.240+/-1.573 χ^2/NDF:83.5/10

+ sign 162.258+/-0.824 χ^2/NDF: 7901.0/27

All: 166.445+/-0.581 χ^2/NDF: 13687.0/57

- sign 170.583+/-0.819 χ^2/NDF: 5734.7/29



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -3.026+/-0.958 χ^2/NDF:103.6/11

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

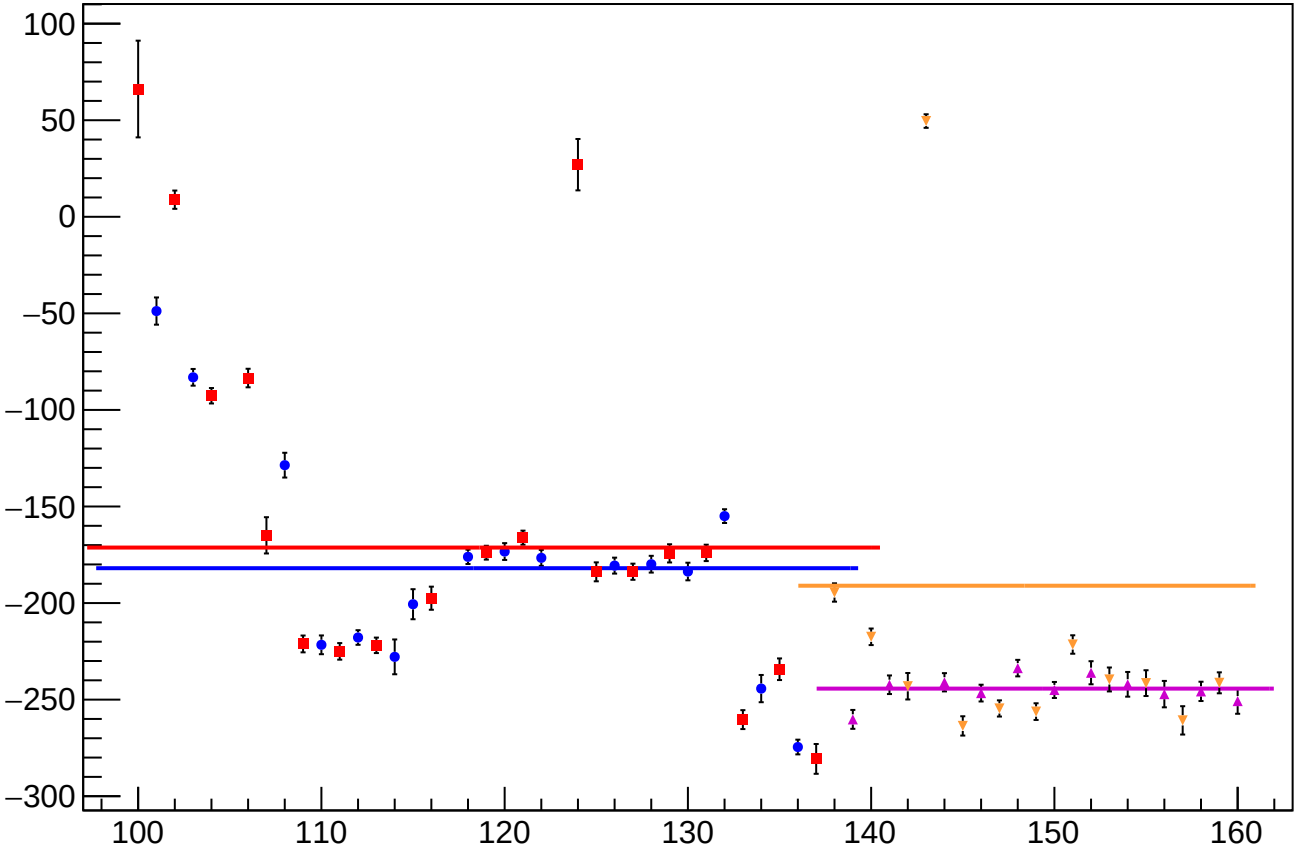
Left In: -5.116+/-1.036 χ^2/NDF:131.7/10

+ sign 0.749+/-0.699 χ^2/NDF: 308.7/27

All: 0.165+/-0.503 χ^2/NDF: 626.1/57

- 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: -191.019+/-1.420 χ^2/NDF:5781.2/11

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

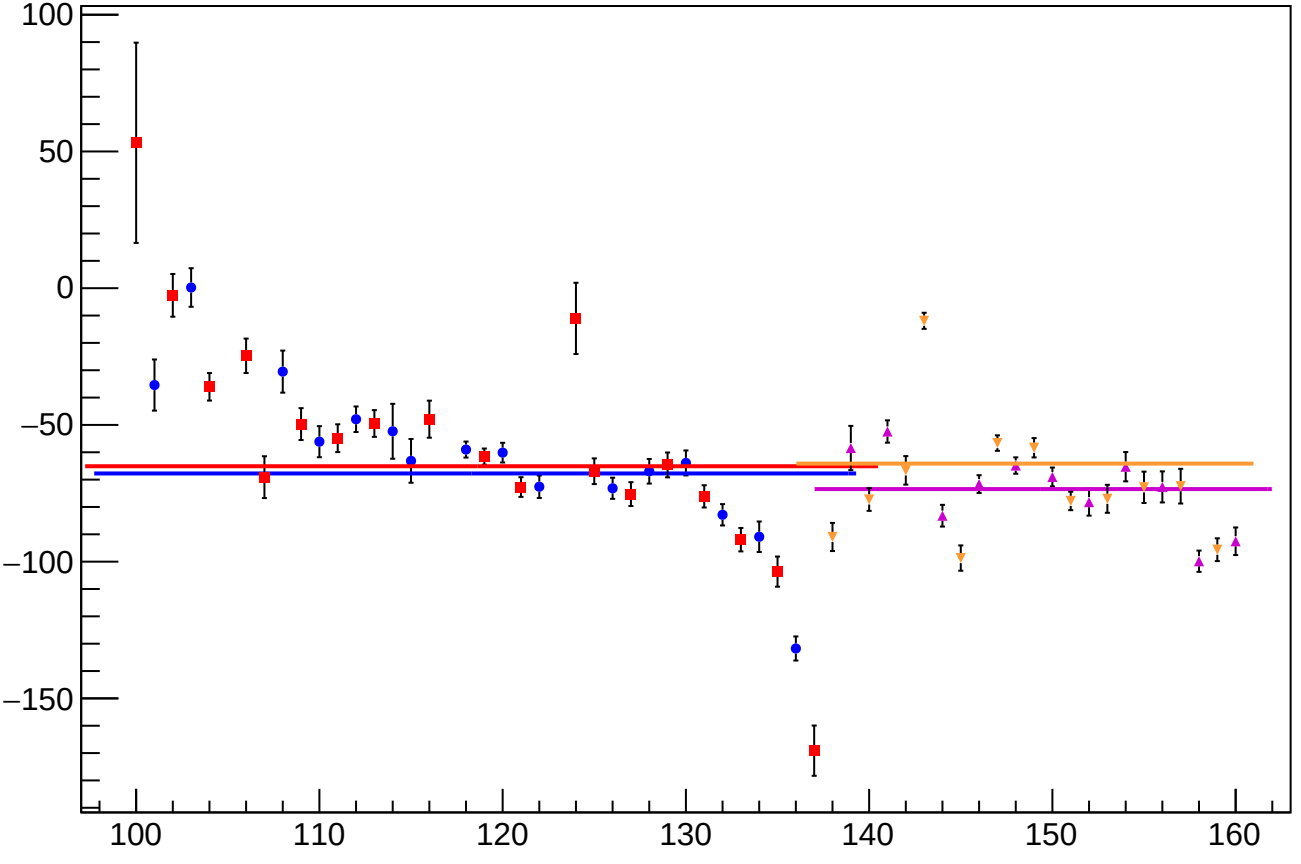
Left In: -244.295+/-1.520 χ^2/NDF:21.0/10

+ sign -185.557+/-0.895 χ^2/NDF: 7676.3/27

All: -191.113+/-0.634 χ^2/NDF: 12906.8/57

- 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: -64.145+/-1.164 χ^2/NDF:501.9/11

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

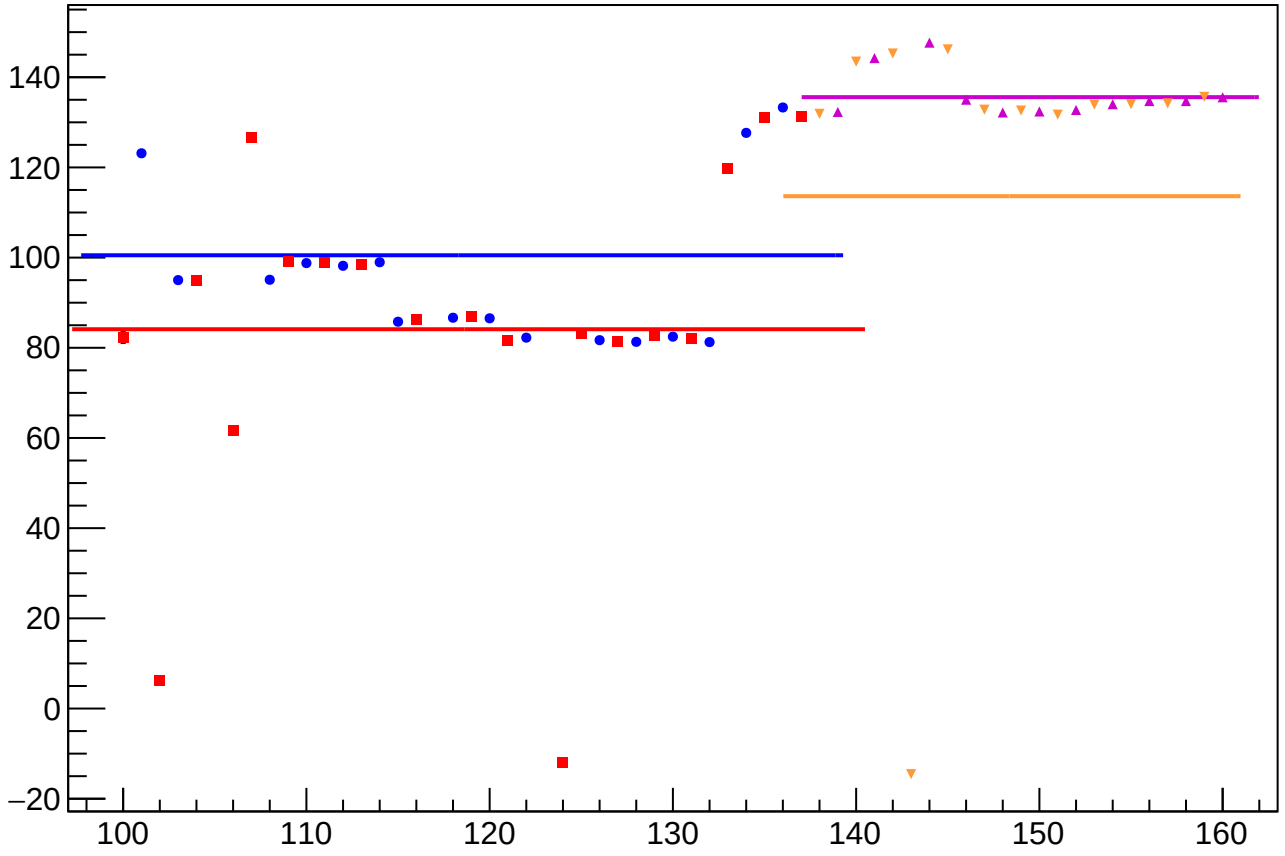
Left In: -73.459+/-1.248 χ^2/NDF:110.0/10

+ sign -65.920+/-0.829 χ^2/NDF: 920.7/27

All: -67.417+/-0.594 χ^2/NDF: 1490.3/57

- 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: 113.619+/-0.056 χ^2/NDF:913247.9/11

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

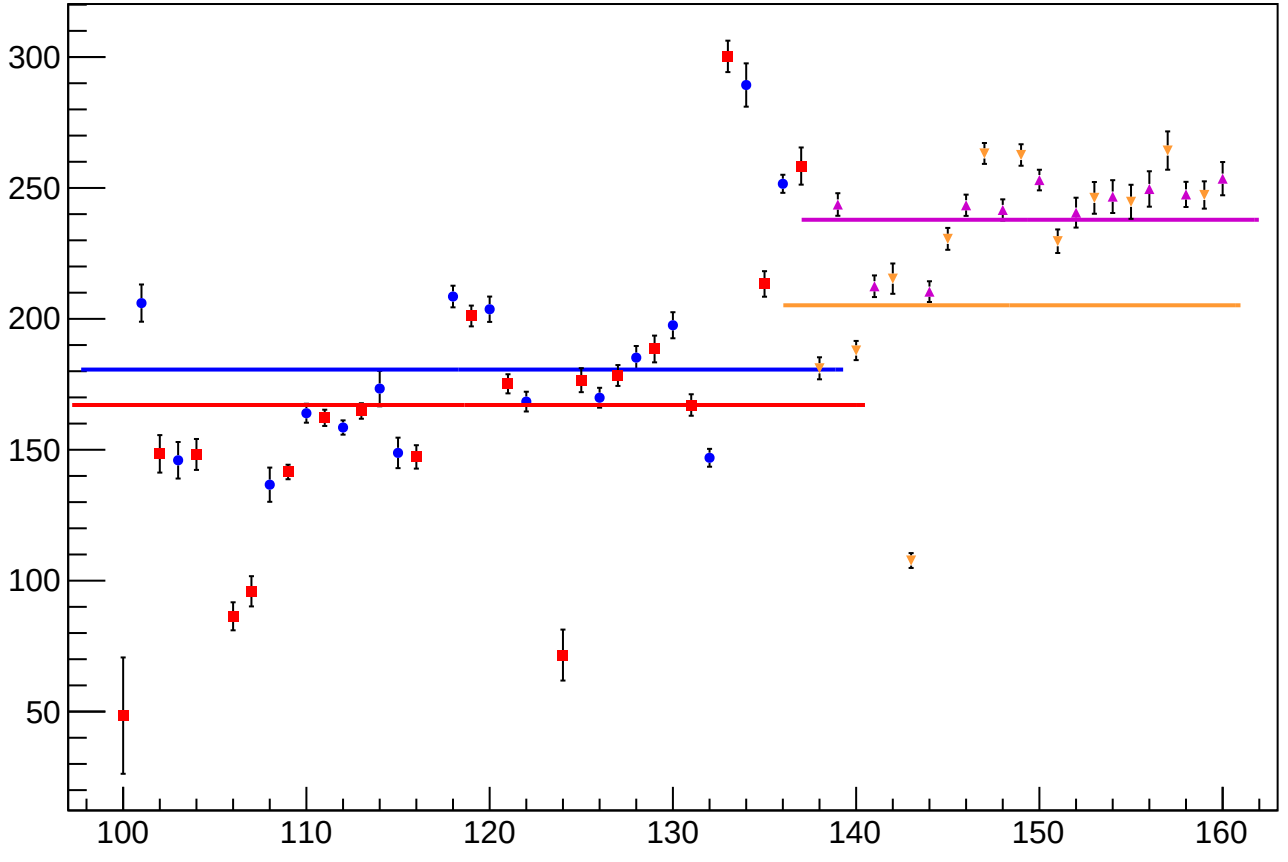
Left In: 135.583+/-0.058 χ^2/NDF:6571.0/10

\+ sign 108.803+/-0.045 χ^2/NDF: 1000557.9/27

All: 111.515+/-0.032 χ^2/NDF: 1601464.3/57

\- 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: 205.186+/-1.270 χ^2/NDF:1921.4/11

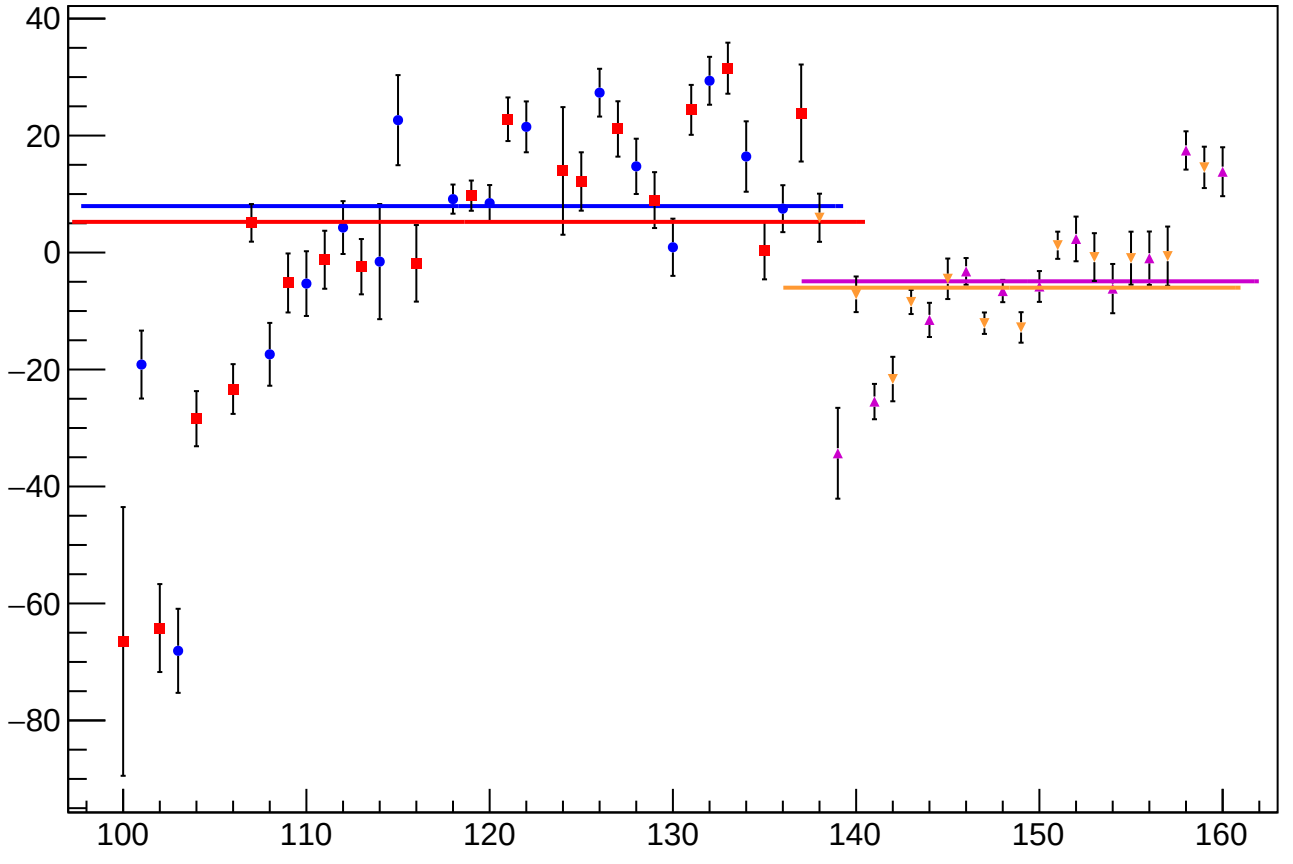
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.849+/-1.402 χ^2/NDF:120.6/10

+ sign 191.041+/-0.827 χ^2/NDF: 3130.1/27

All: 191.326+/-0.584 χ^2/NDF: 6399.3/57

- 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: -6.008+/-0.841 χ^2/NDF:92.4/11

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

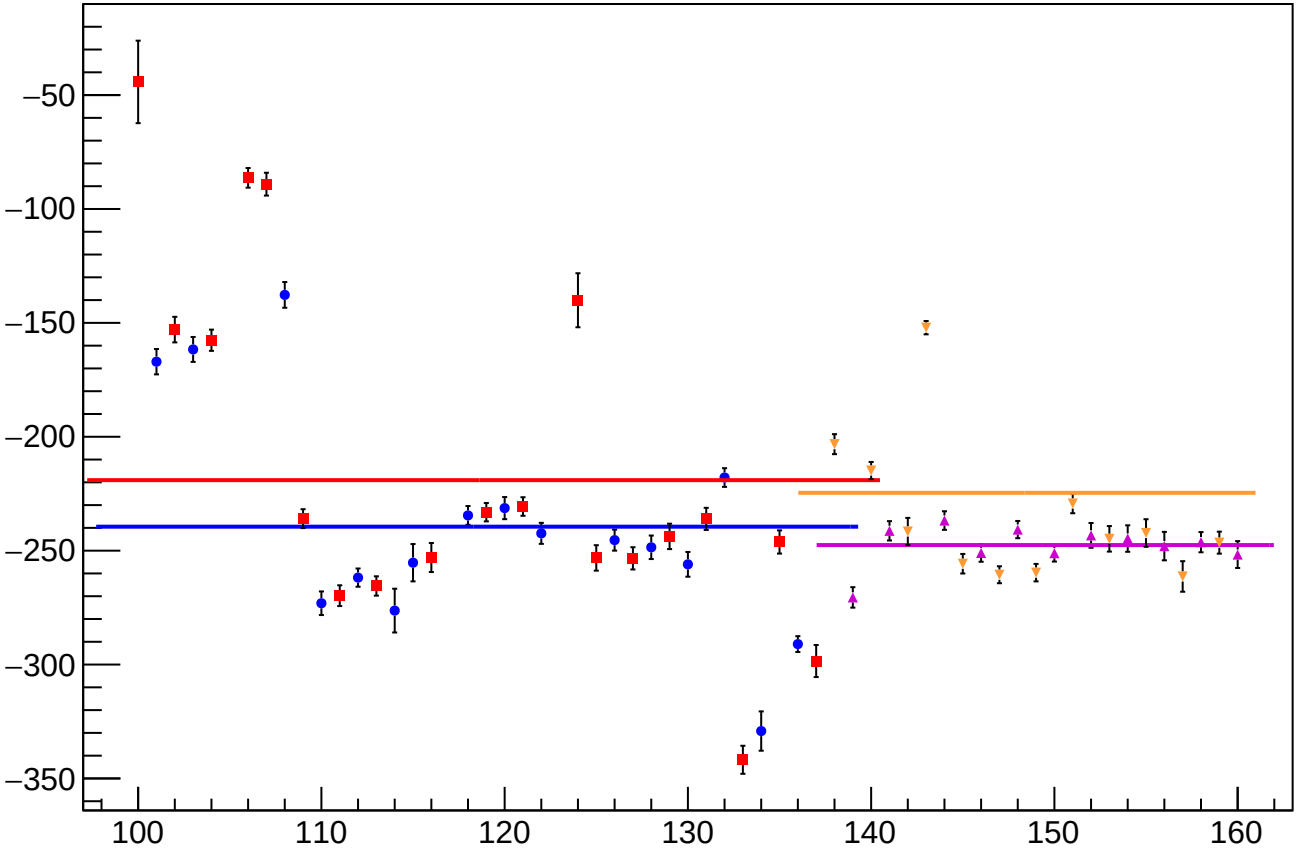
Left In: -4.918+/-0.921 χ^2/NDF:138.4/10

+ sign -0.936+/-0.671 χ^2/NDF: 425.3/27

All: -0.752+/-0.483 χ^2/NDF: 918.9/57

- 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: -224.601+/-1.249 χ^2/NDF:956.7/11

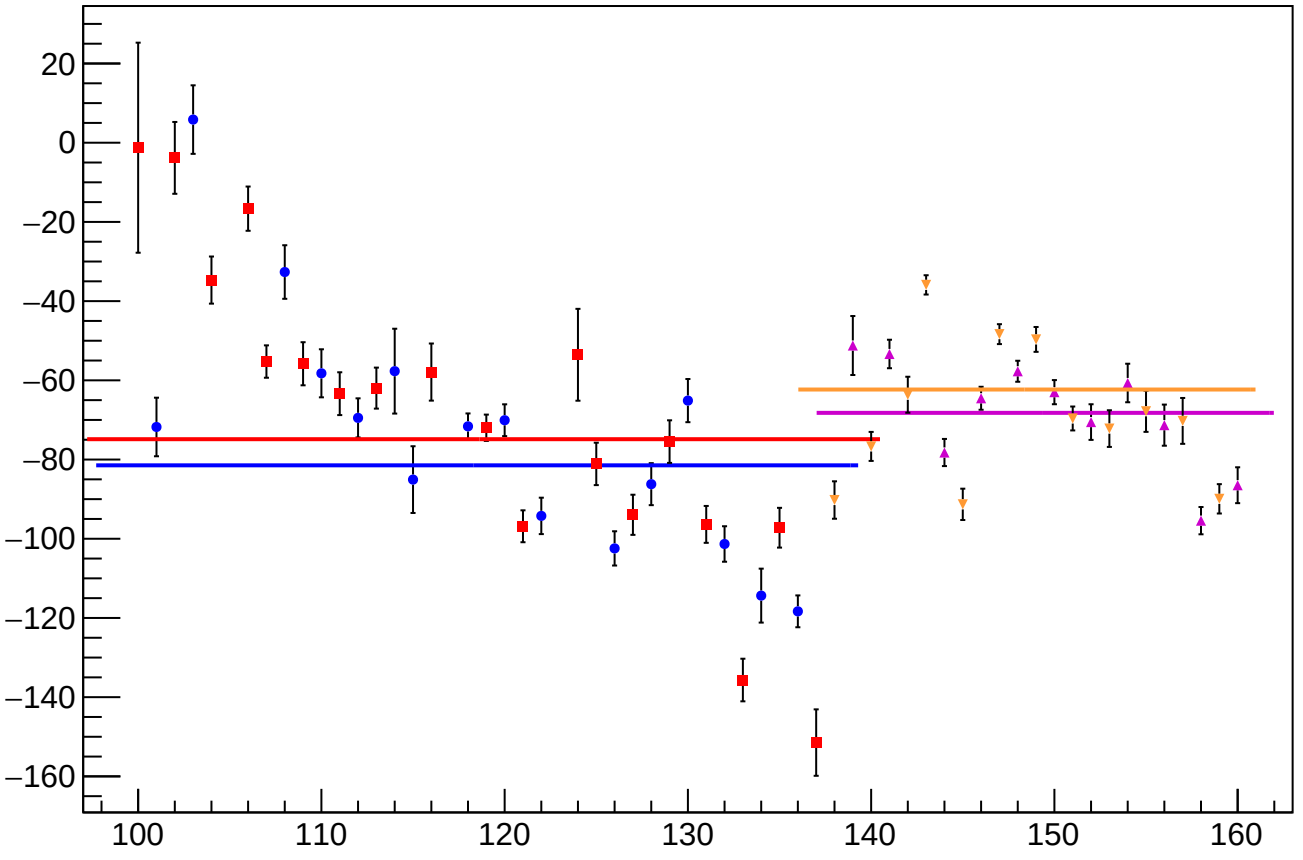
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.544+/-1.356 χ^2/NDF:41.7/10

+ sign -232.057+/-0.882 χ^2/NDF: 2190.0/27

All: -231.675+/-0.626 χ^2/NDF: 5533.3/57

- 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: -62.320+/-1.023 χ^2/NDF:337.7/11

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

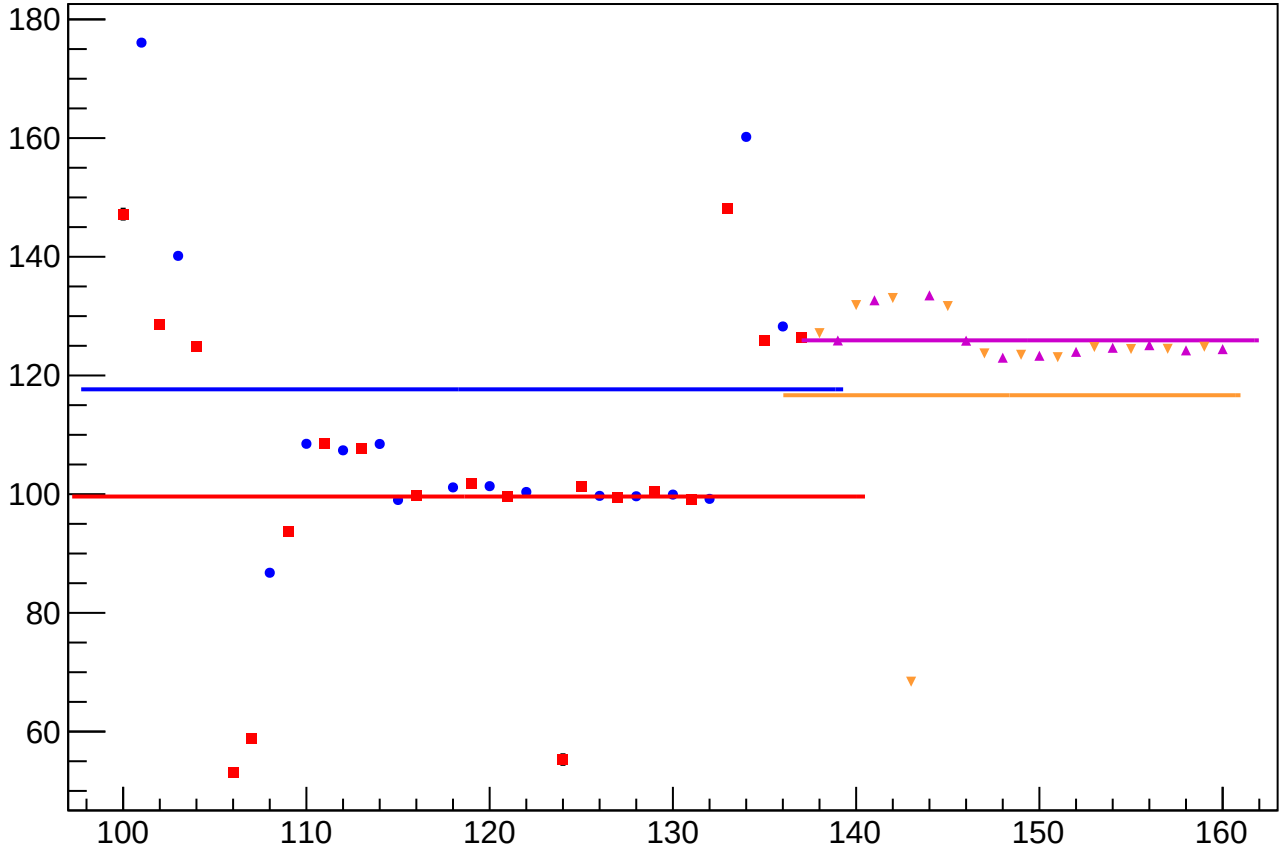
Left In: -68.211+/-1.110 χ^2/NDF:132.9/10

+ sign -69.731+/-0.801 χ^2/NDF: 839.8/27

All: -70.443+/-0.574 χ^2/NDF: 1567.0/57

- sign -71.197+/-0.824 χ^2/NDF: 725.6/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 116.672+/-0.050 χ^2/NDF:193338.3/11

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

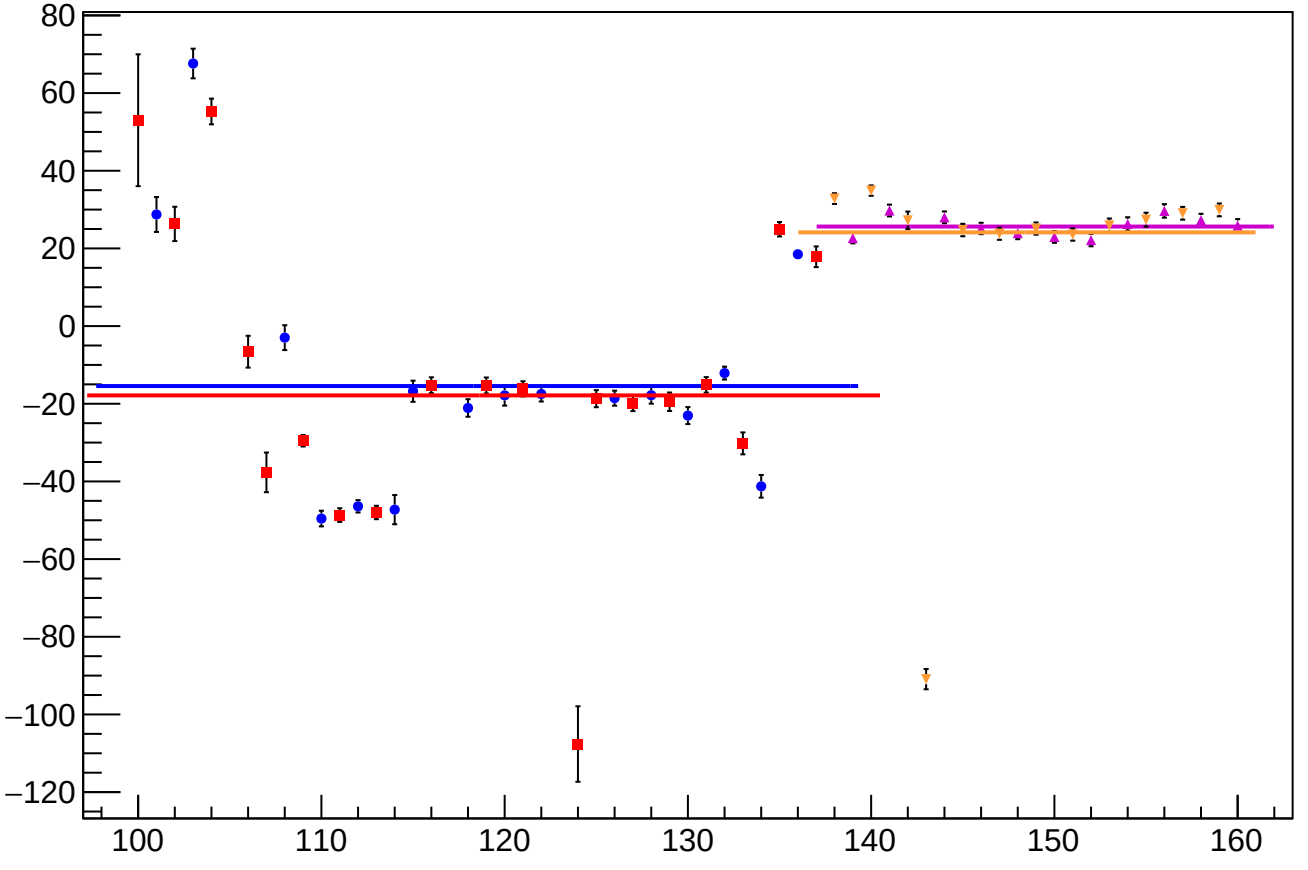
Left In: 125.920+/-0.052 χ^2/NDF:4224.4/10

\+ sign 116.958+/-0.042 χ^2/NDF: 288850.3/27

All: 116.765+/-0.030 χ^2/NDF: 549693.8/57

\- 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: 24.135+/-0.478 χ^2/NDF:2071.0/11

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

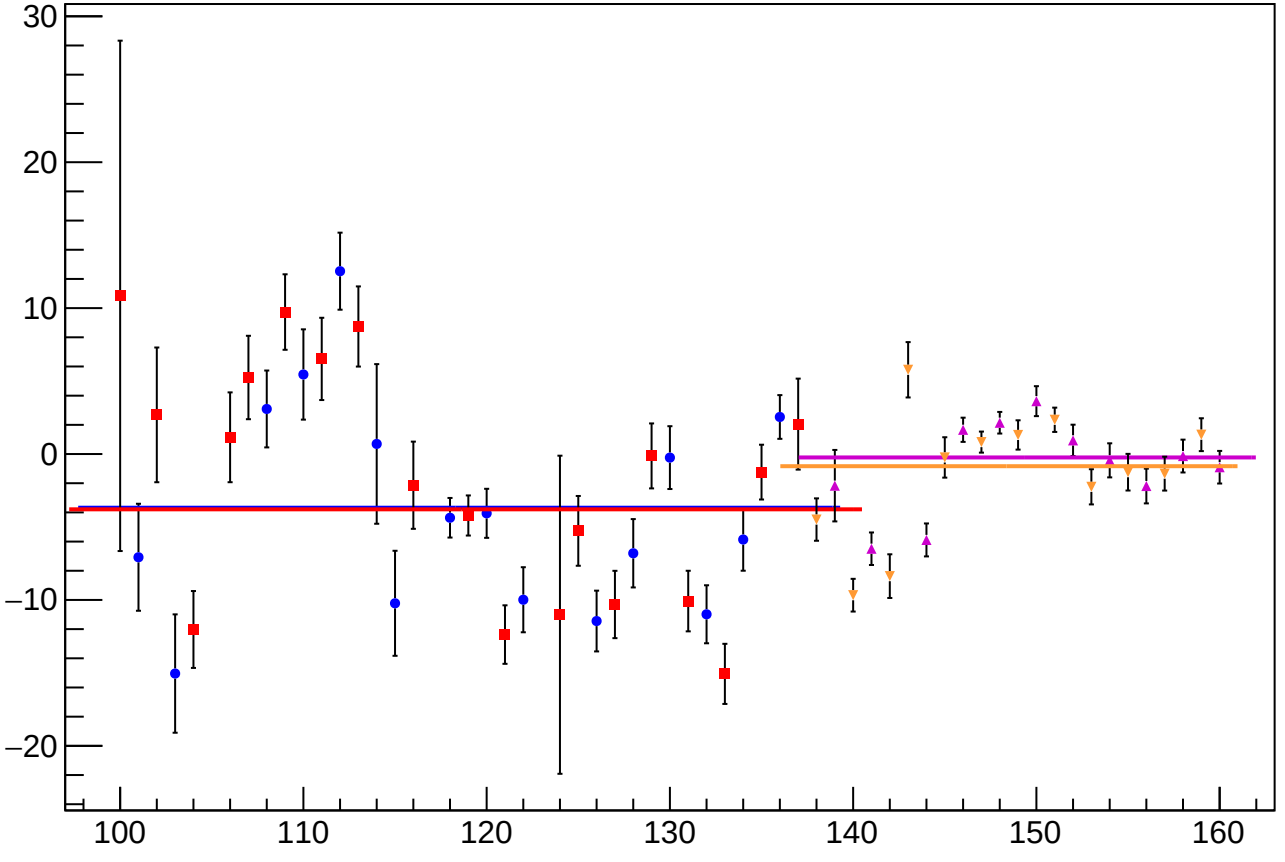
Left In: 25.631+/-0.472 χ^2/NDF:30.2/10

+ sign 6.709+/-0.358 χ^2/NDF: 7211.4/27

All: 6.534+/-0.251 χ^2/NDF: 13120.3/57

- sign 6.365+/-0.353 χ^2/NDF: 5908.4/29

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -0.834+/-0.321 χ^2/NDF:135.9/11

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

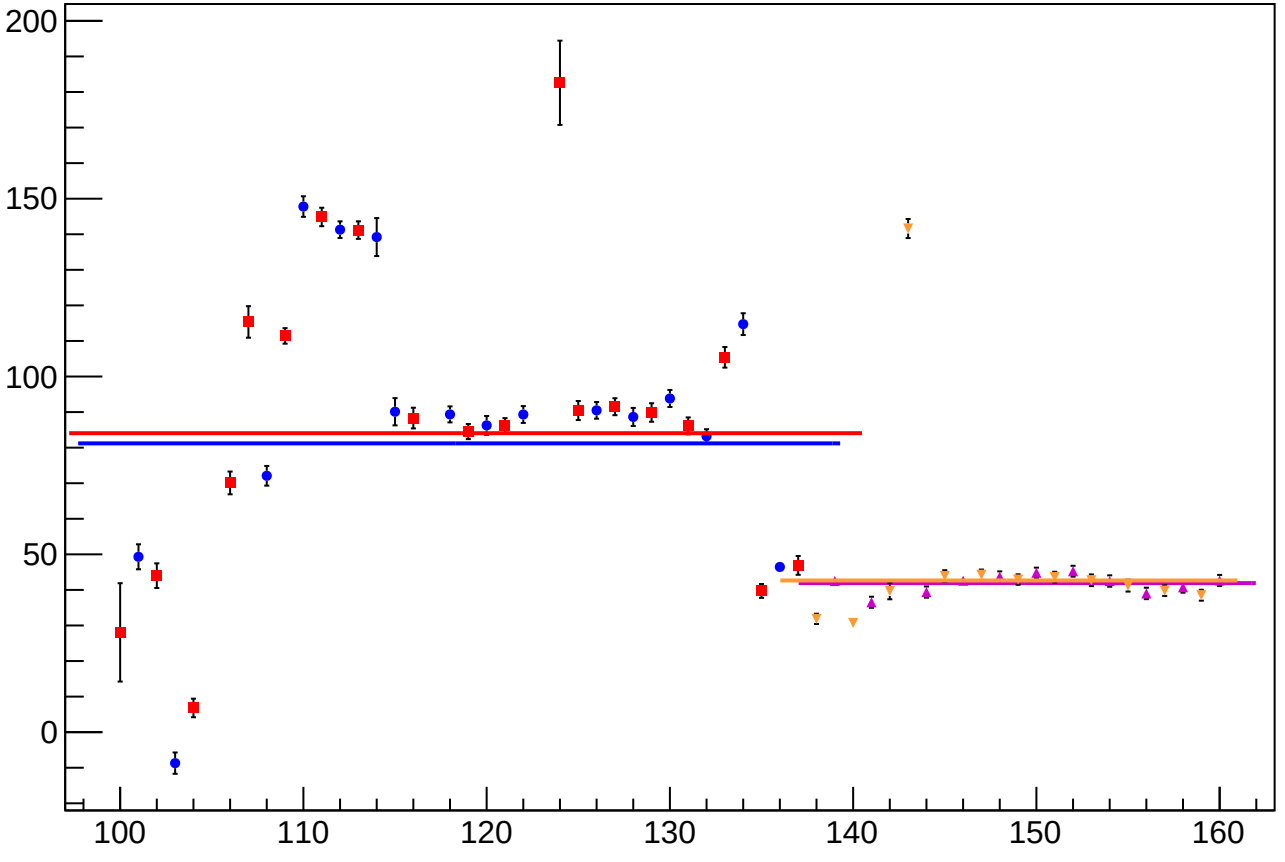
Left In: -0.234+/-0.318 χ^2/NDF:91.1/10

+ sign -1.552+/-0.277 χ^2/NDF: 279.8/27

All: -1.323+/-0.196 χ^2/NDF: 563.7/57

- sign -1.093+/-0.277 χ^2/NDF: 282.5/29

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 42.654+/-0.463 χ^2/NDF:1502.8/11

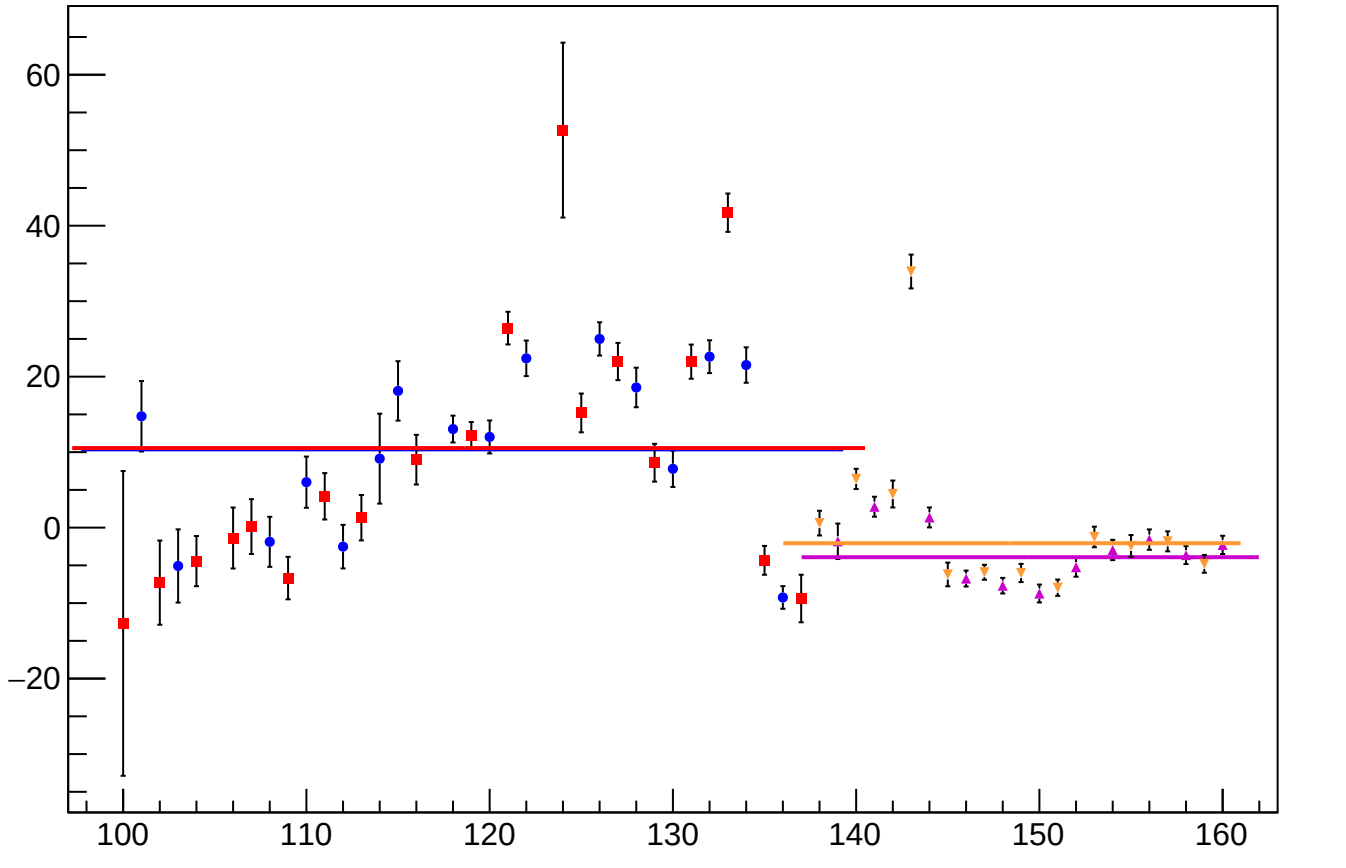
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

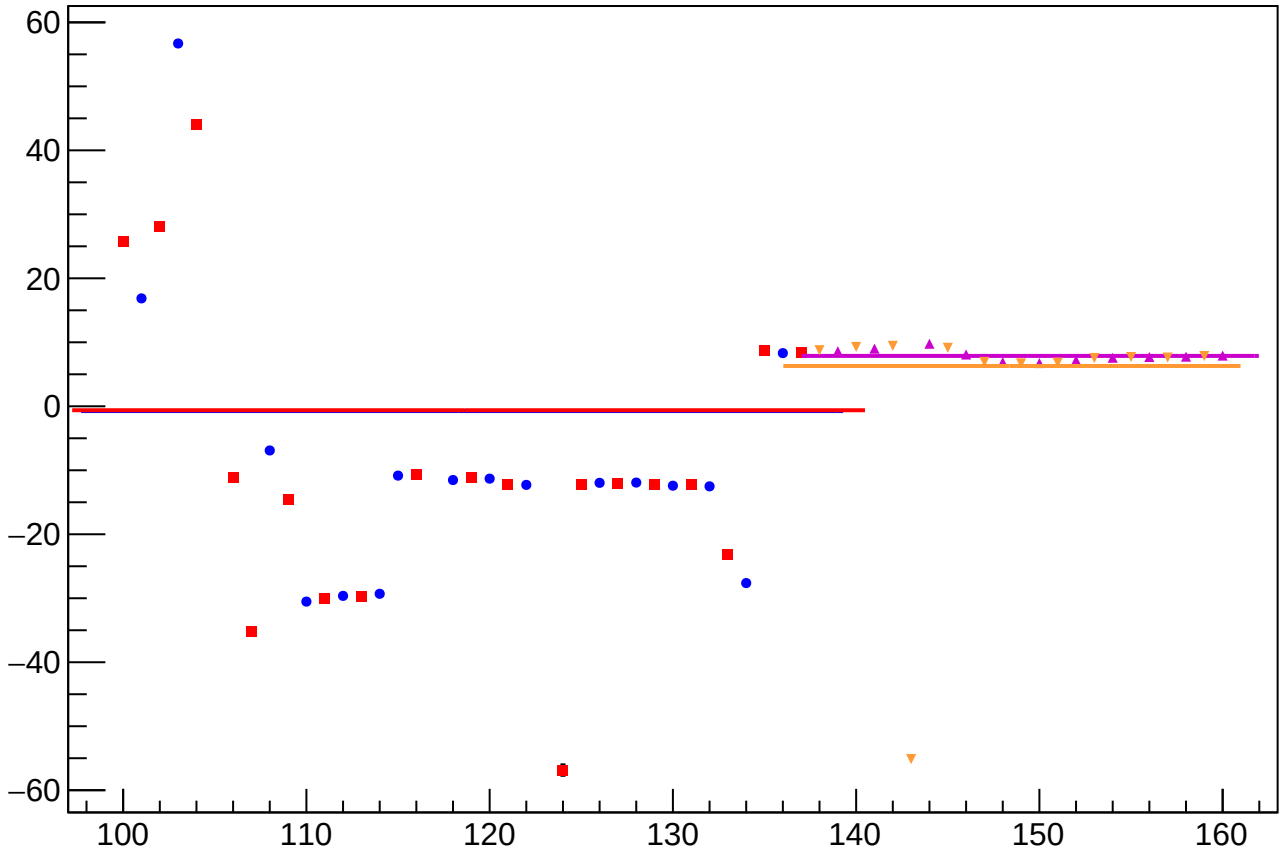
Left In: 41.920+/-0.455 χ^2/NDF:29.7/10

+ sign 56.849+/-0.368 χ^2/NDF: 7280.9/27

All: 56.826+/-0.260 χ^2/NDF: 13542.3/57

- 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: -2.064+/-0.386 χ²/NDF:382.7/11
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -3.918+/-0.378 χ²/NDF:85.8/10
+ sign 1.353+/-0.328 χ²/NDF: 1027.9/27
All: 0.579+/-0.231 χ²/NDF: 1973.5/57
- sign -0.181+/-0.325 χ²/NDF: 934.6/29



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.300+/-0.018 χ^2/NDF:312374.6/11

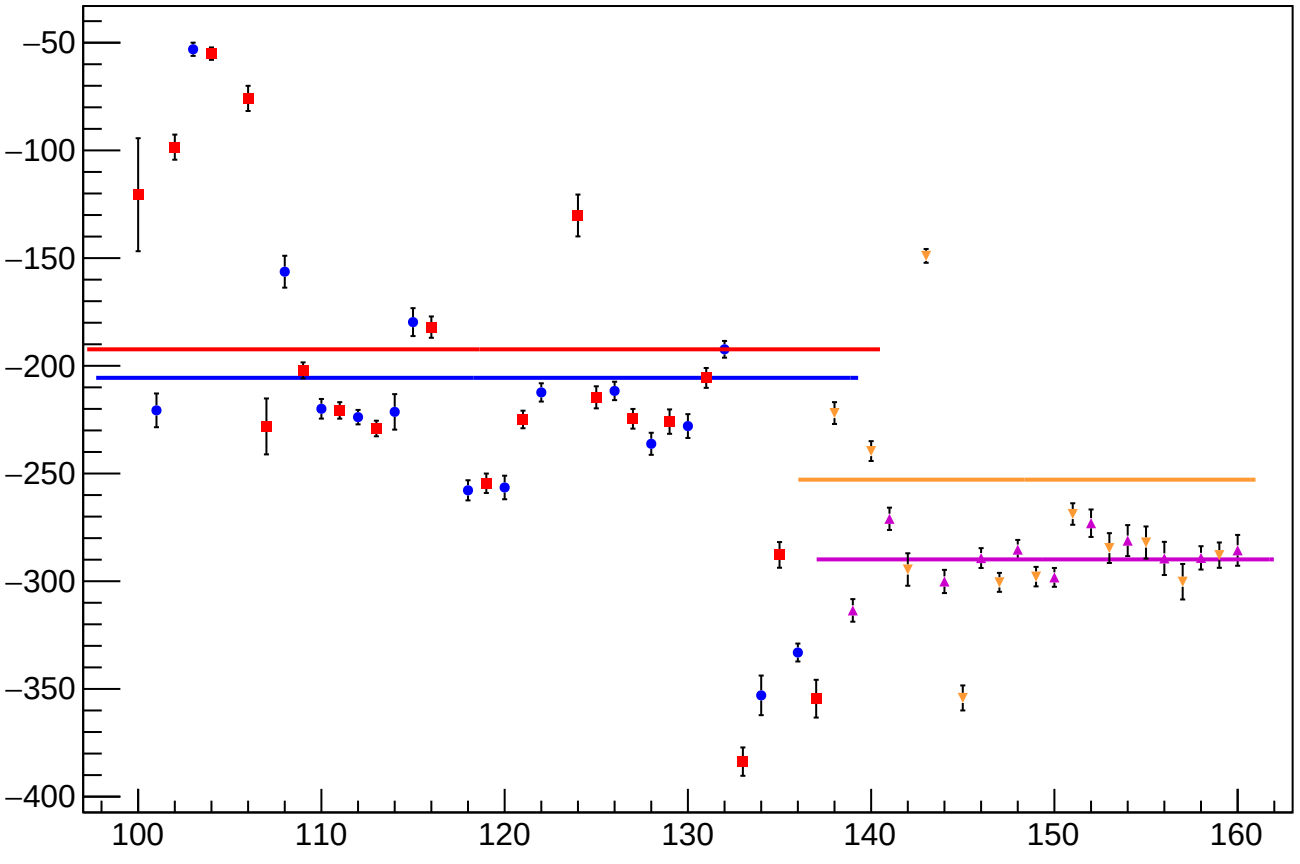
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.874+/-0.017 χ^2/NDF:2110.4/10

+ sign 4.922+/-0.016 χ^2/NDF: 711379.0/27

All: 5.681+/-0.011 χ^2/NDF: 1077272.3/57

- 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: -252.859+/-1.485 χ^2/NDF:1760.3/11

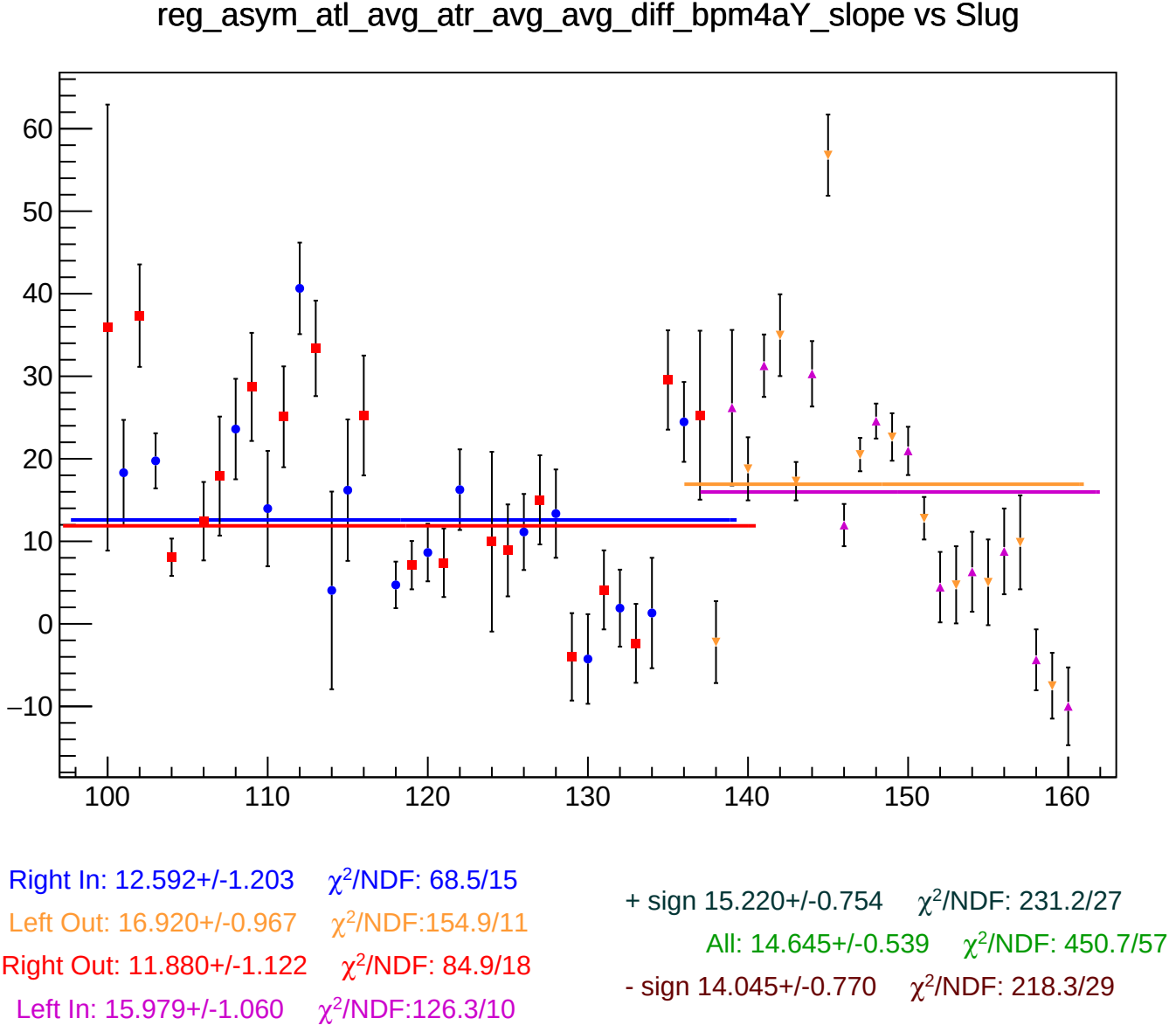
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -289.868+/-1.641 χ^2/NDF:50.7/10

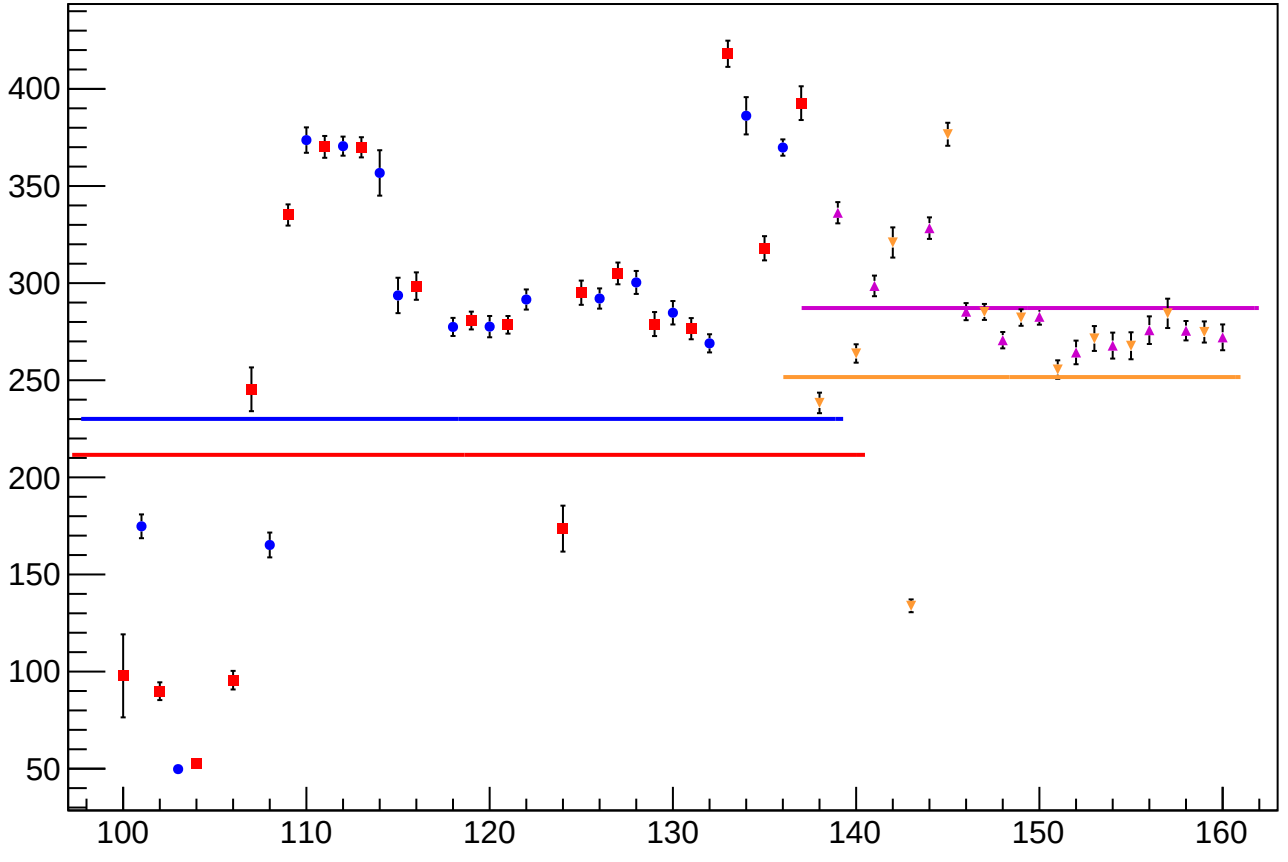
+ sign -223.963+/-0.926 χ^2/NDF: 6435.7/27

All: -223.695+/-0.655 χ^2/NDF: 13862.1/57

- sign -223.427+/-0.927 χ^2/NDF: 7426.2/29


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug
60
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
Right In: 12.592+/-1.203 χ²/NDF: 68.5/15
Left Out: 16.920+/-0.967 χ²/NDF:154.9/11
Right Out: 11.880+/-1.122 χ²/NDF: 84.9/18
Left In: 15.979+/-1.060 χ²/NDF:126.3/10
+ sign 15.220+/-0.754 χ²/NDF: 231.2/27
All: 14.645+/-0.539 χ²/NDF: 450.7/57
- sign 14.045+/-0.770 χ²/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: 251.636+/-1.454 χ^2/NDF:1984.3/11

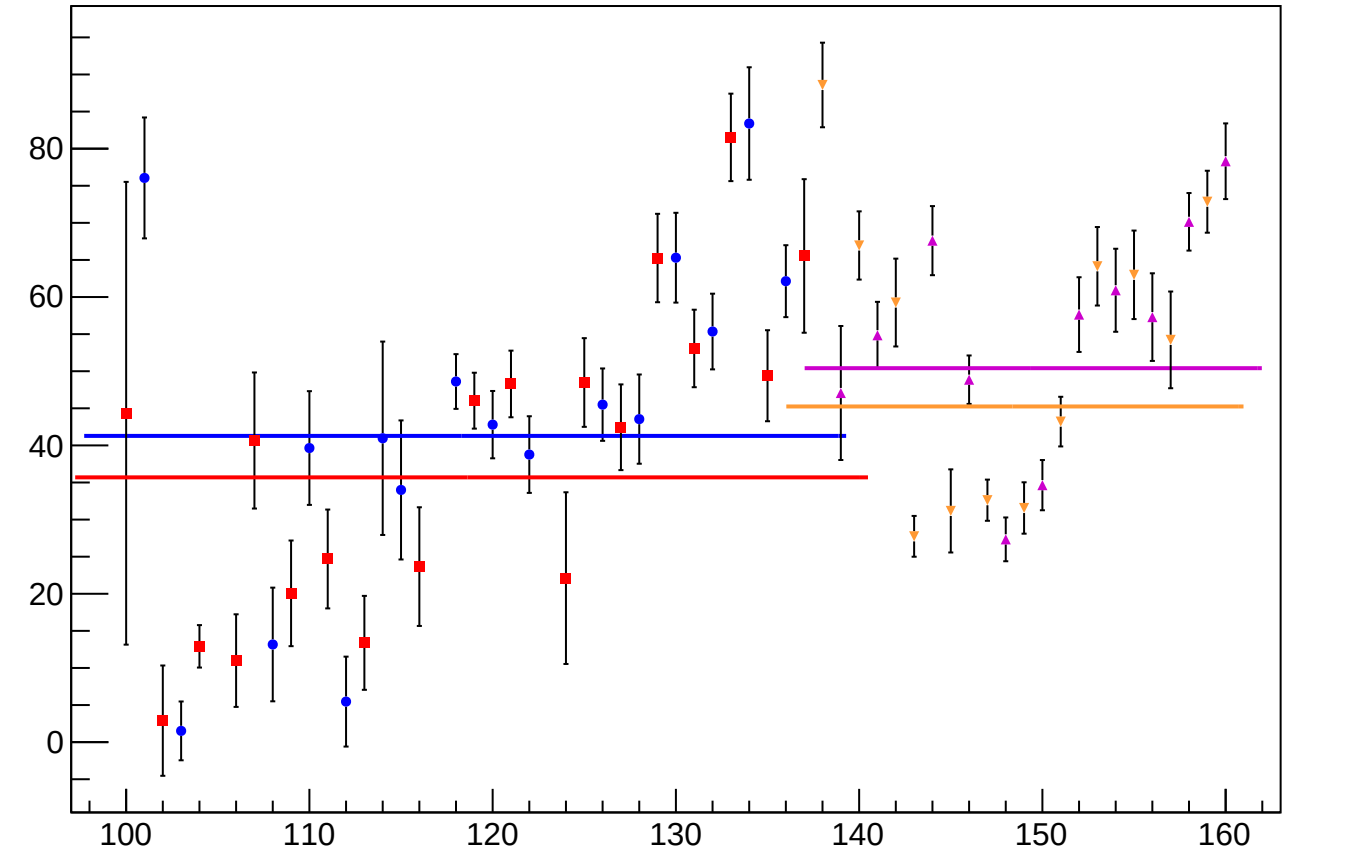
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 287.180+/-1.579 χ^2/NDF:192.6/10

+ sign 239.333+/-0.952 χ^2/NDF: 11485.3/27

All: 239.232+/-0.673 χ^2/NDF: 24607.4/57

- sign 239.131+/-0.953 χ^2/NDF: 13122.1/29



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 45.249+/-1.180 χ^2/NDF:236.3/11

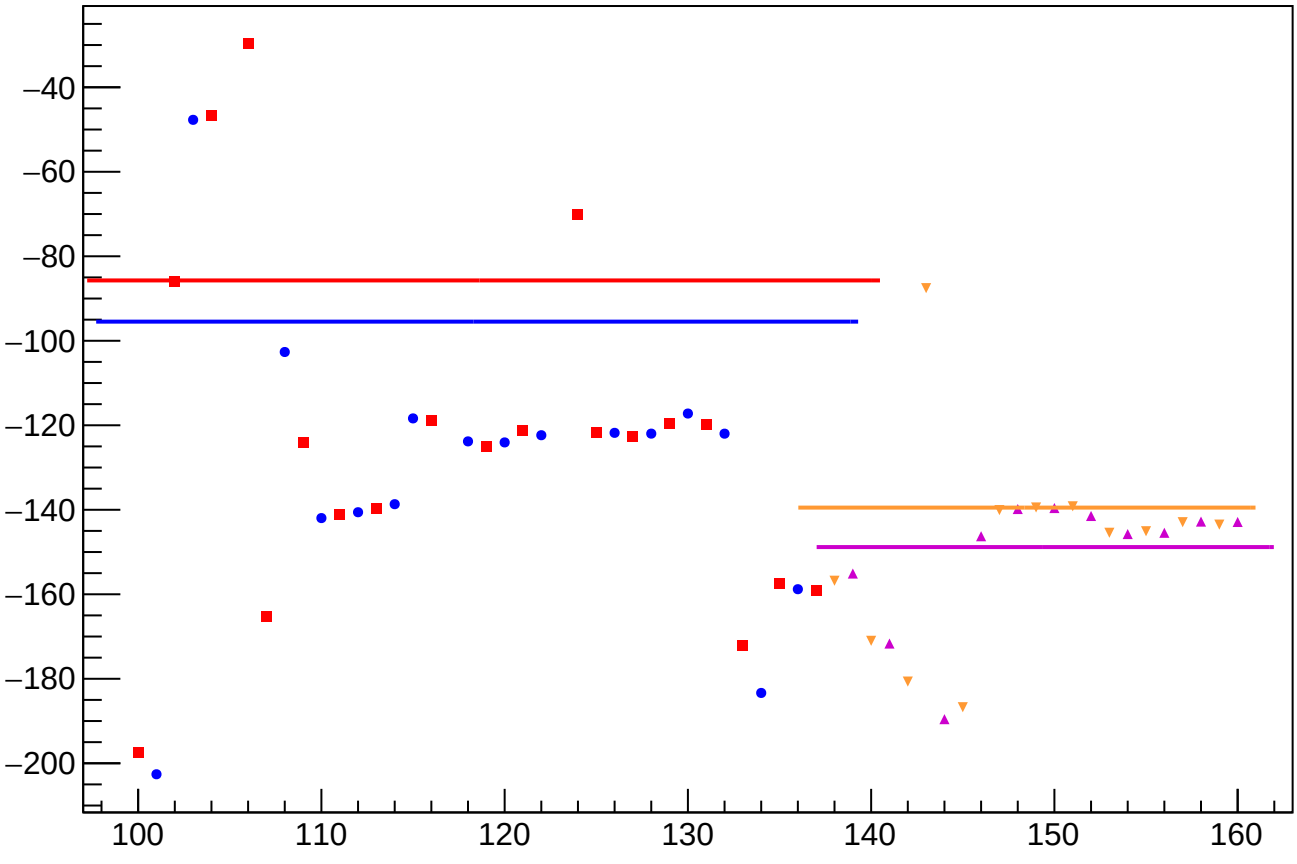
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 50.410+/-1.282 χ^2/NDF:160.5/10

+ sign 43.597+/-0.902 χ^2/NDF: 486.8/27

All: 43.426+/-0.644 χ^2/NDF: 964.7/57

- sign 43.249+/-0.919 χ^2/NDF: 477.8/29



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.485+/-0.058 χ^2/NDF:230956.4/11

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

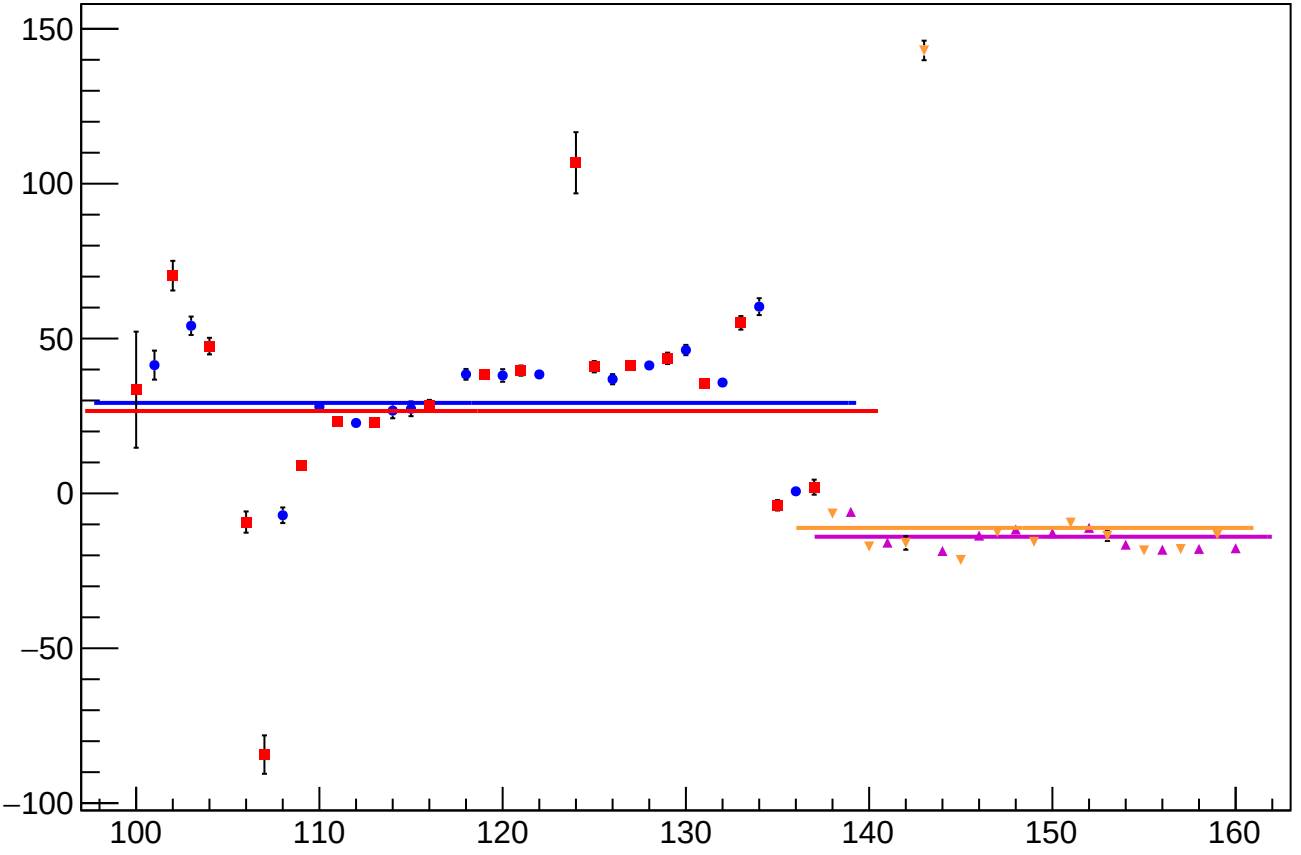
Left In: -148.826+/-0.061 χ^2/NDF:48292.0/10

+ sign -121.446+/-0.044 χ^2/NDF: 987962.1/27

All: -120.954+/-0.032 χ^2/NDF: 2008187.3/57

- 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: -11.130+/-0.448 χ^2/NDF:2527.5/11

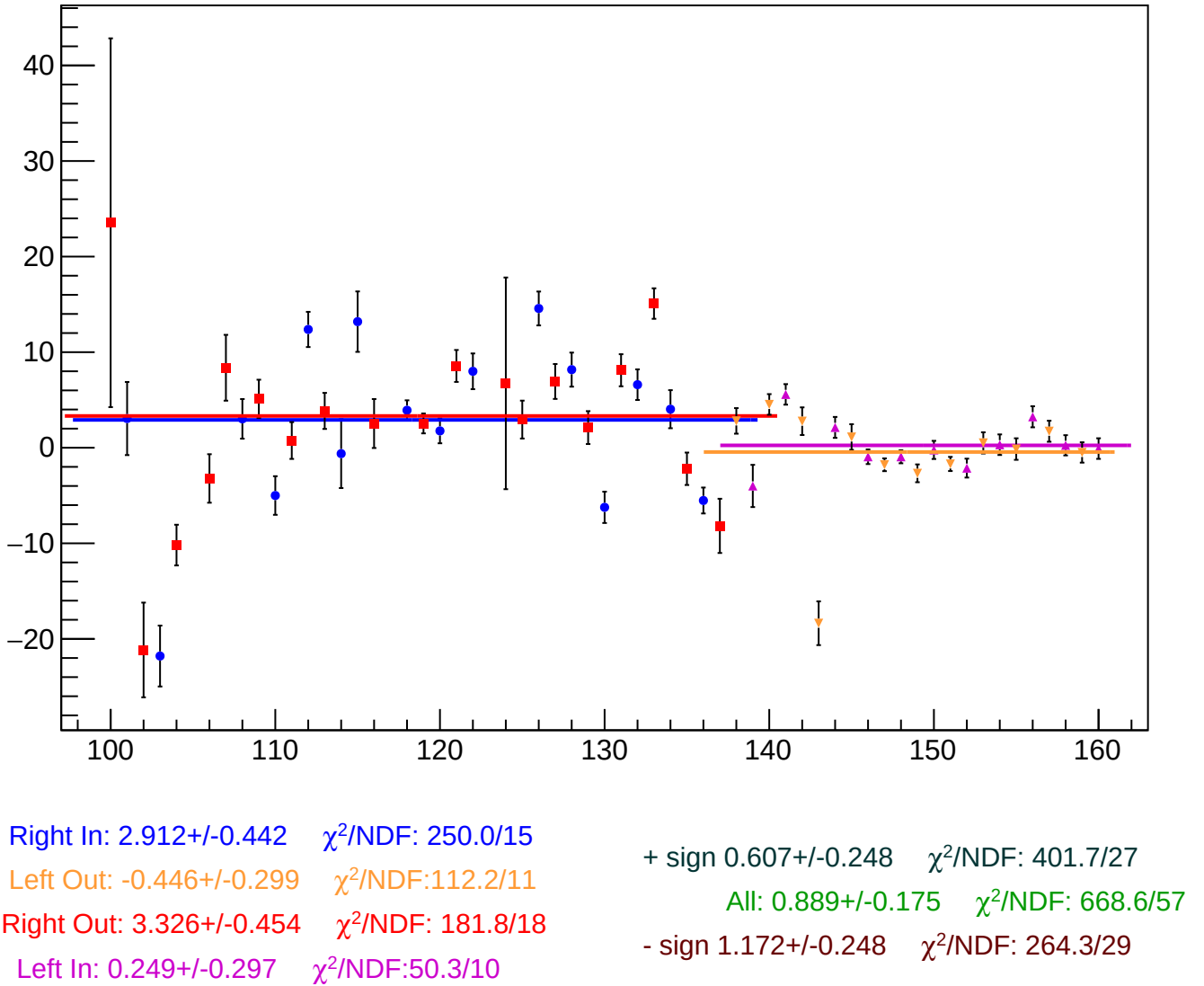
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

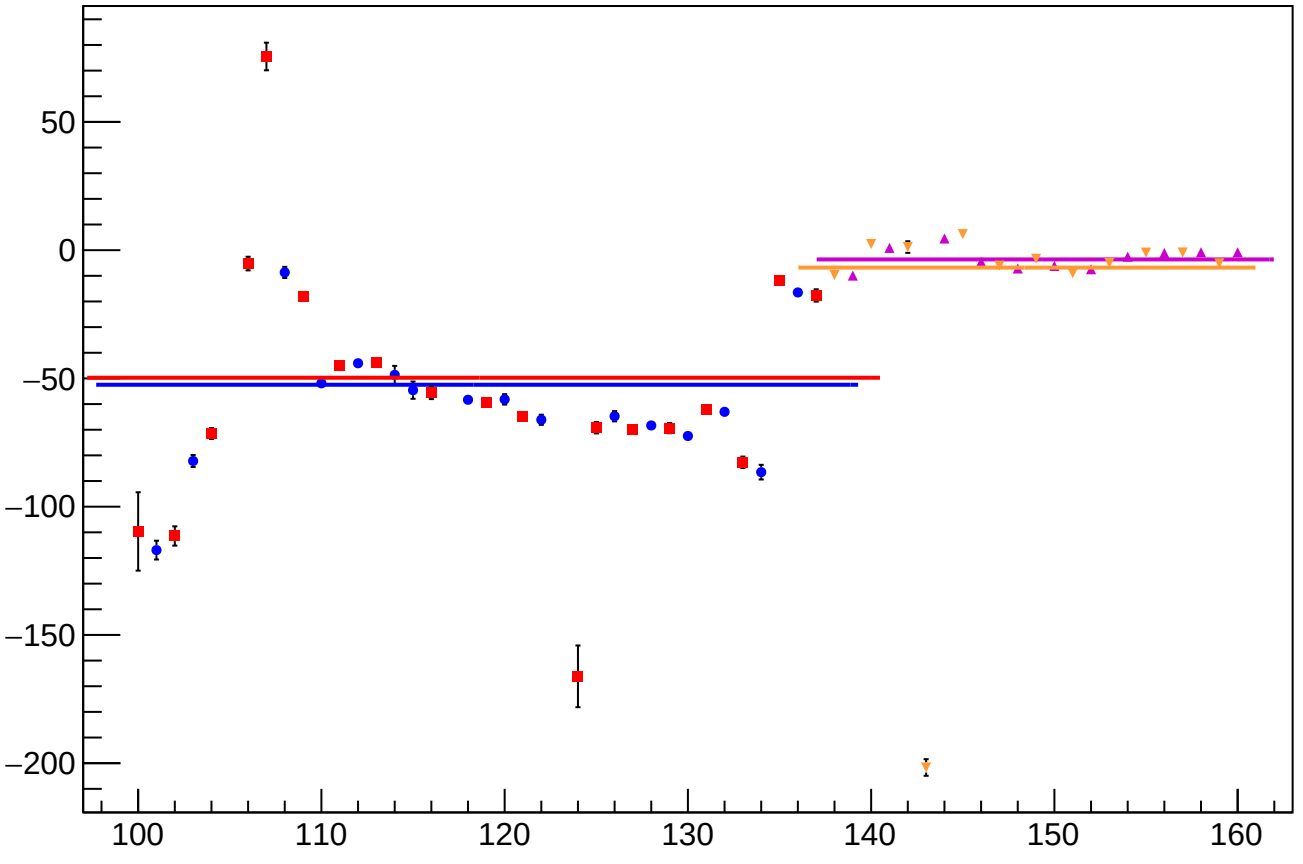
Left In: -13.993+/-0.440 χ^2/NDF:82.4/10

\+ sign 10.137+/-0.308 χ^2/NDF: 8151.0/27

All: 8.819+/-0.216 χ^2/NDF: 14701.5/57

\- sign 7.555+/-0.302 χ^2/NDF: 6514.7/29


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: -0.446+/-0.299 χ²/NDF:112.2/11
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.249+/-0.297 χ²/NDF:50.3/10
+ sign 0.607+/-0.248 χ²/NDF: 401.7/27
All: 0.889+/-0.175 χ²/NDF: 668.6/57
- sign 1.172+/-0.248 χ²/NDF: 264.3/29



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.790+/-0.433 χ^2/NDF:3785.3/11

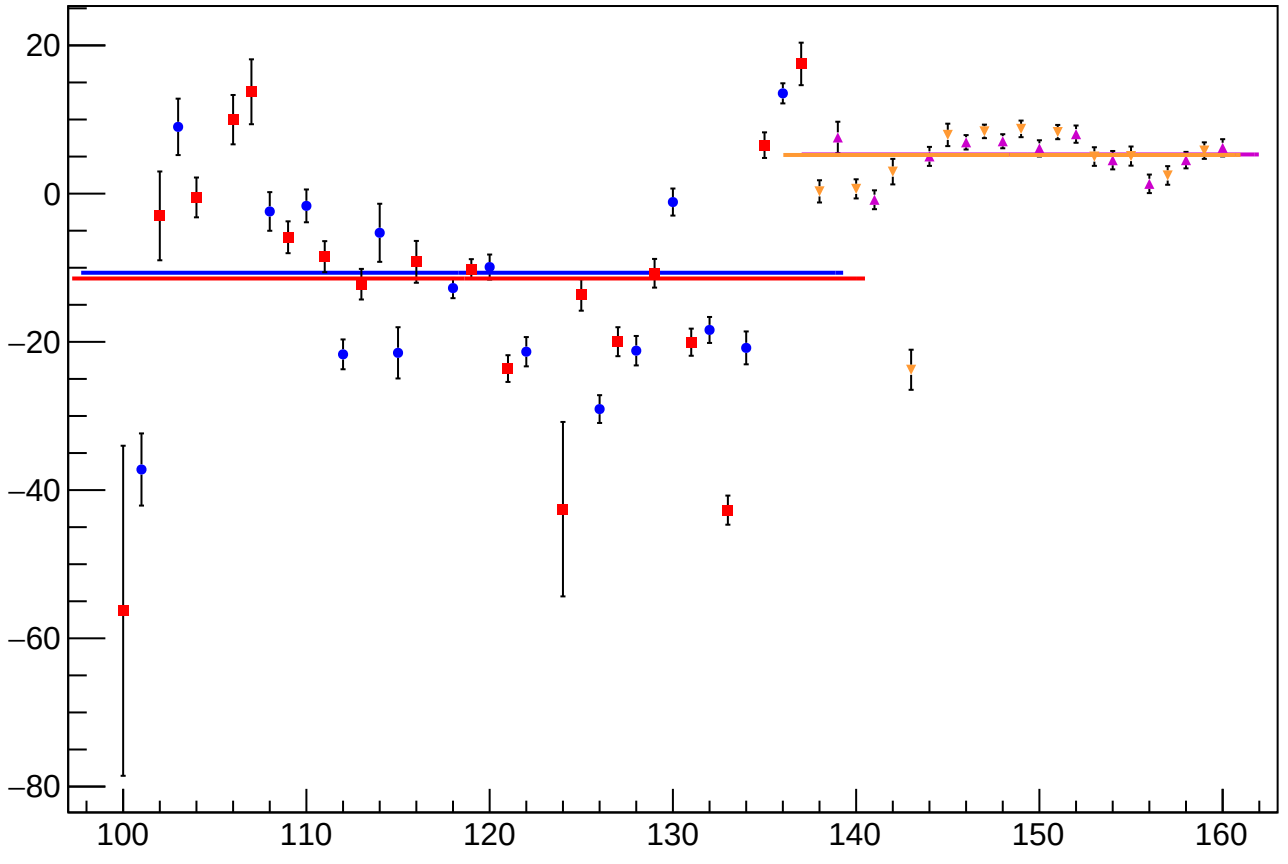
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.607+/-0.424 χ^2/NDF:91.0/10

+ sign -26.939+/-0.324 χ^2/NDF: 11016.4/27

All: -25.052+/-0.228 χ^2/NDF: 19200.9/57

- 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: 5.217+/-0.360 χ^2/NDF:180.5/11

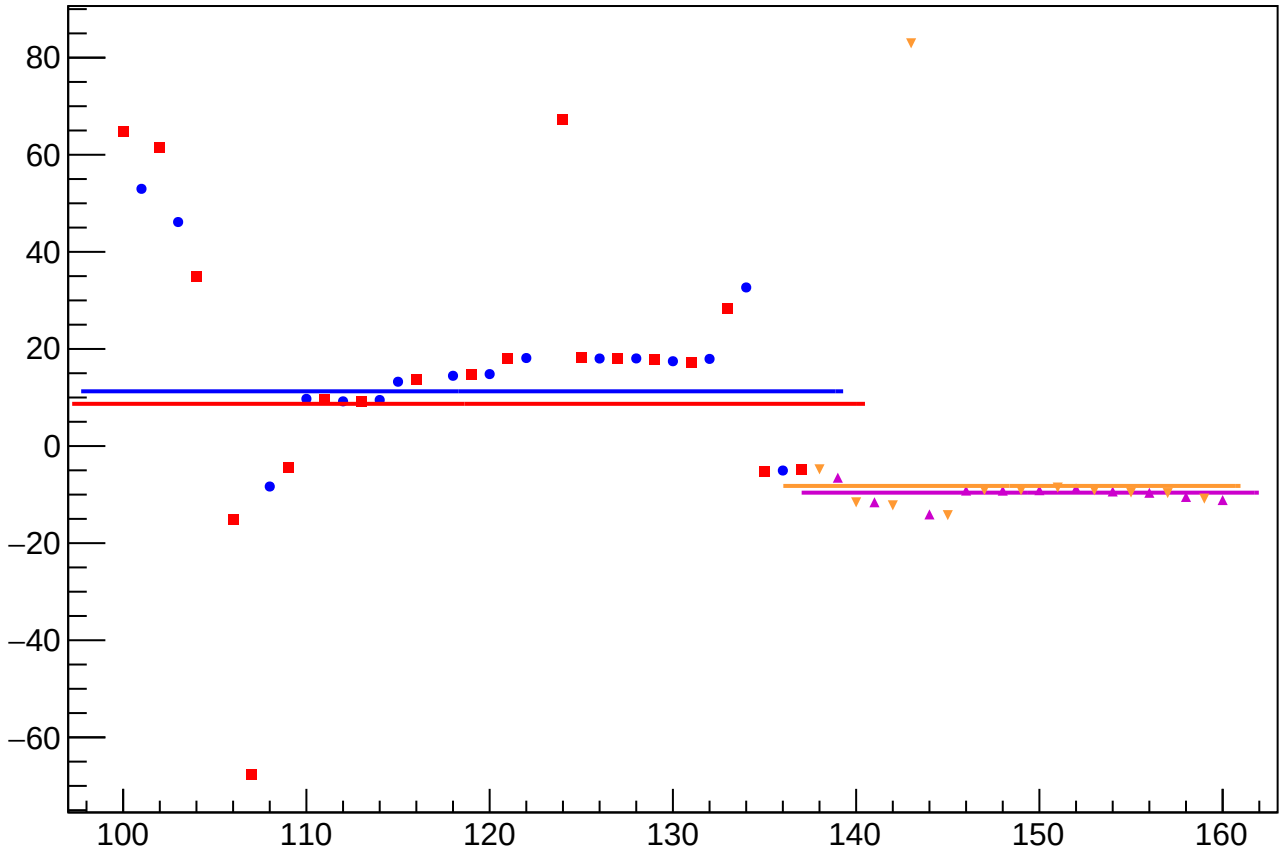
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.285+/-0.353 χ^2/NDF:48.2/10

+ sign -0.136+/-0.293 χ^2/NDF: 1502.4/27

All: -0.094+/-0.207 χ^2/NDF: 2932.7/57

- 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: -8.212+/-0.016 χ^2/NDF:479529.4/11

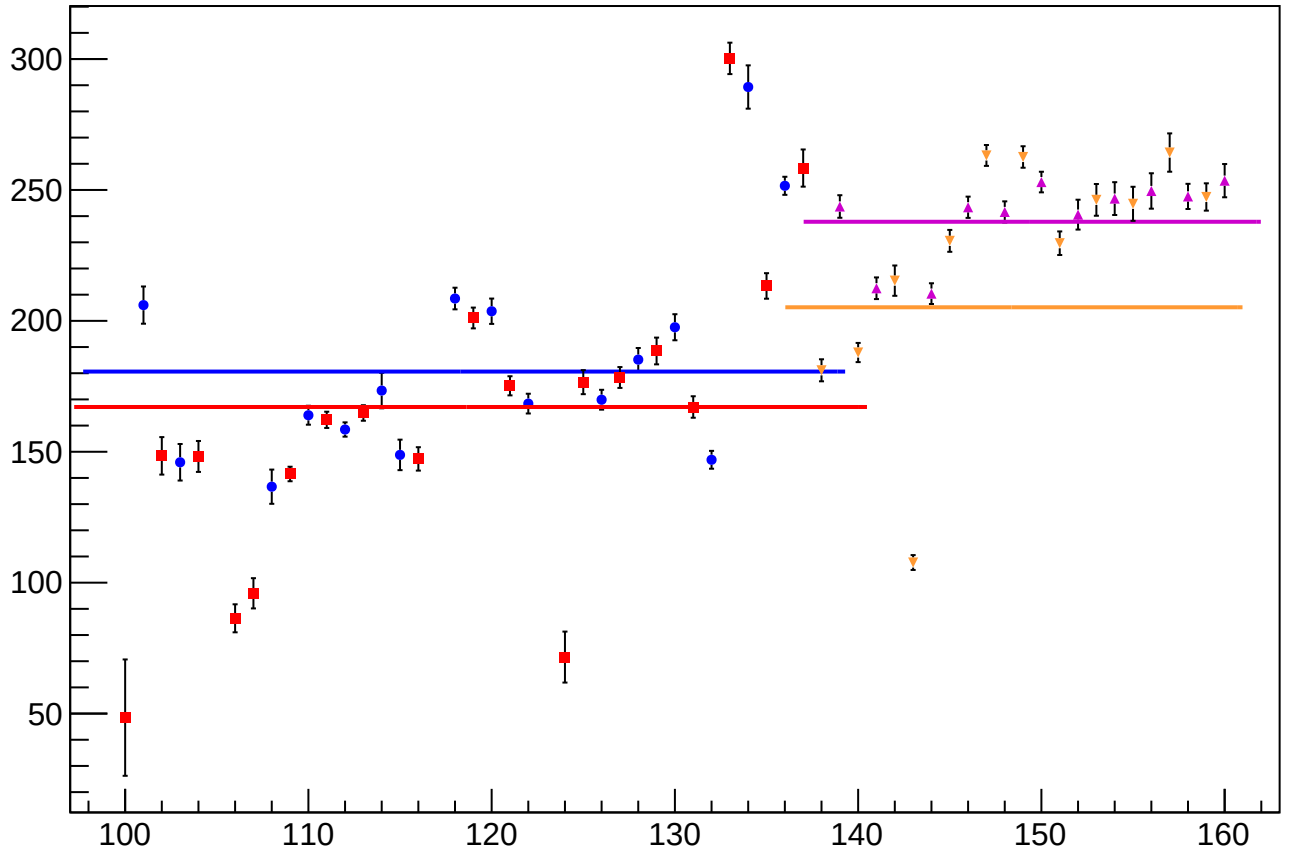
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.600+/-0.016 χ^2/NDF:11611.5/10

+ sign -3.668+/-0.014 χ^2/NDF: 1154188.5/27

All: -4.795+/-0.010 χ^2/NDF: 1884057.7/57

- sign -5.879+/-0.014 χ^2/NDF: 717929.4/29



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 205.186+/-1.270 χ^2/NDF:1921.4/11

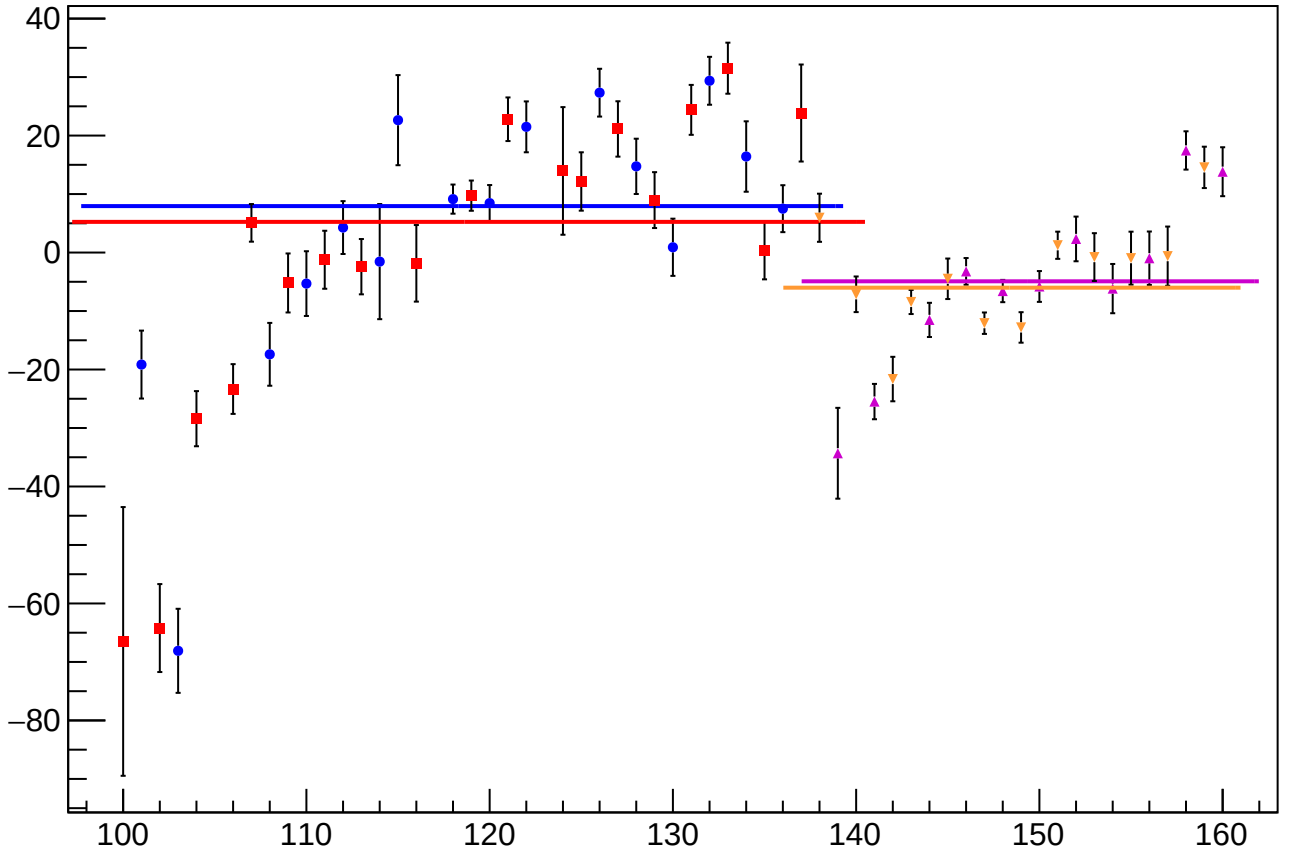
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.849+/-1.402 χ^2/NDF:120.6/10

\+ sign 191.041+/-0.827 χ^2/NDF: 3130.1/27

All: 191.326+/-0.584 χ^2/NDF: 6399.3/57

\- 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: -6.008+/-0.841 χ^2/NDF:92.4/11

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

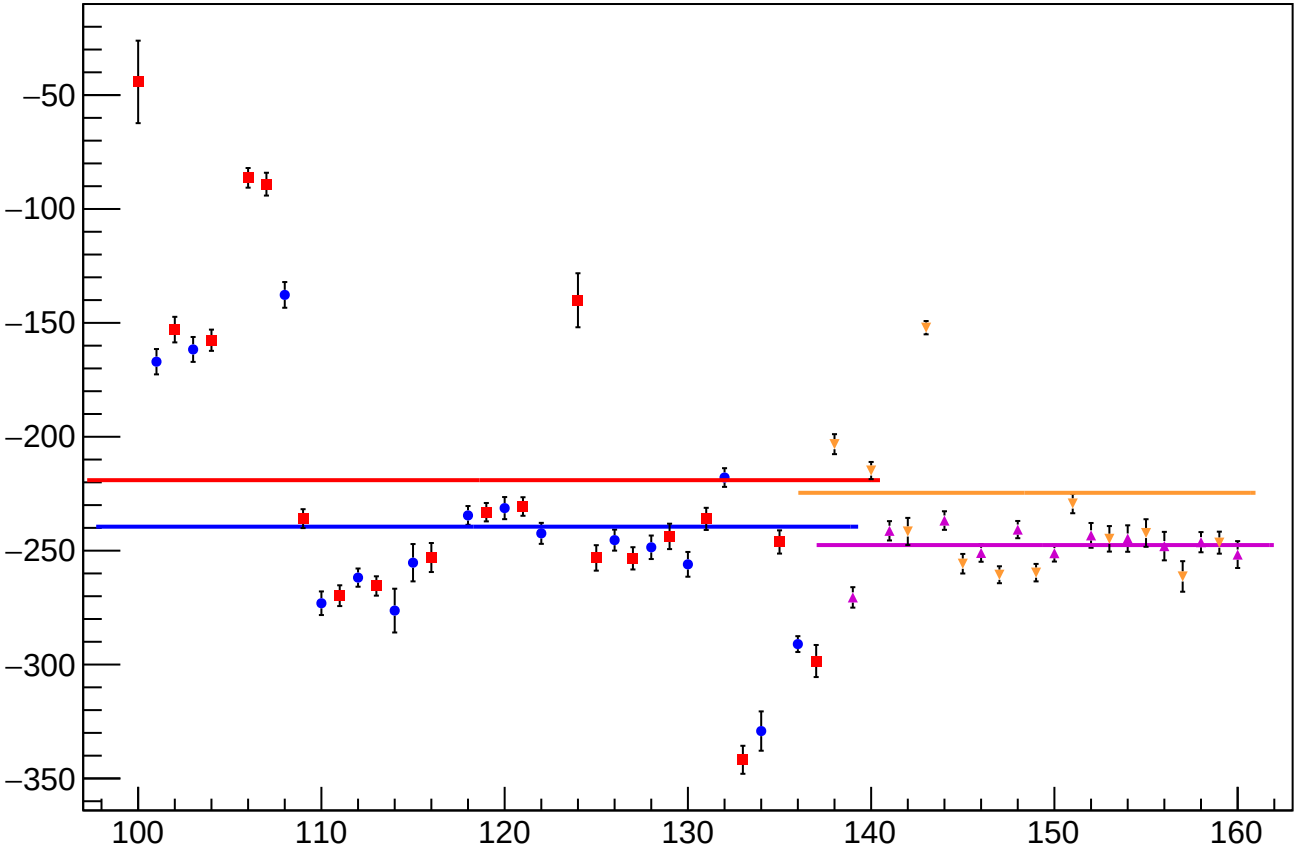
Left In: -4.918+/-0.921 χ^2/NDF:138.4/10

+ sign -0.936+/-0.671 χ^2/NDF: 425.3/27

All: -0.752+/-0.483 χ^2/NDF: 918.9/57

- 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: -224.601+/-1.249 χ^2/NDF:956.7/11

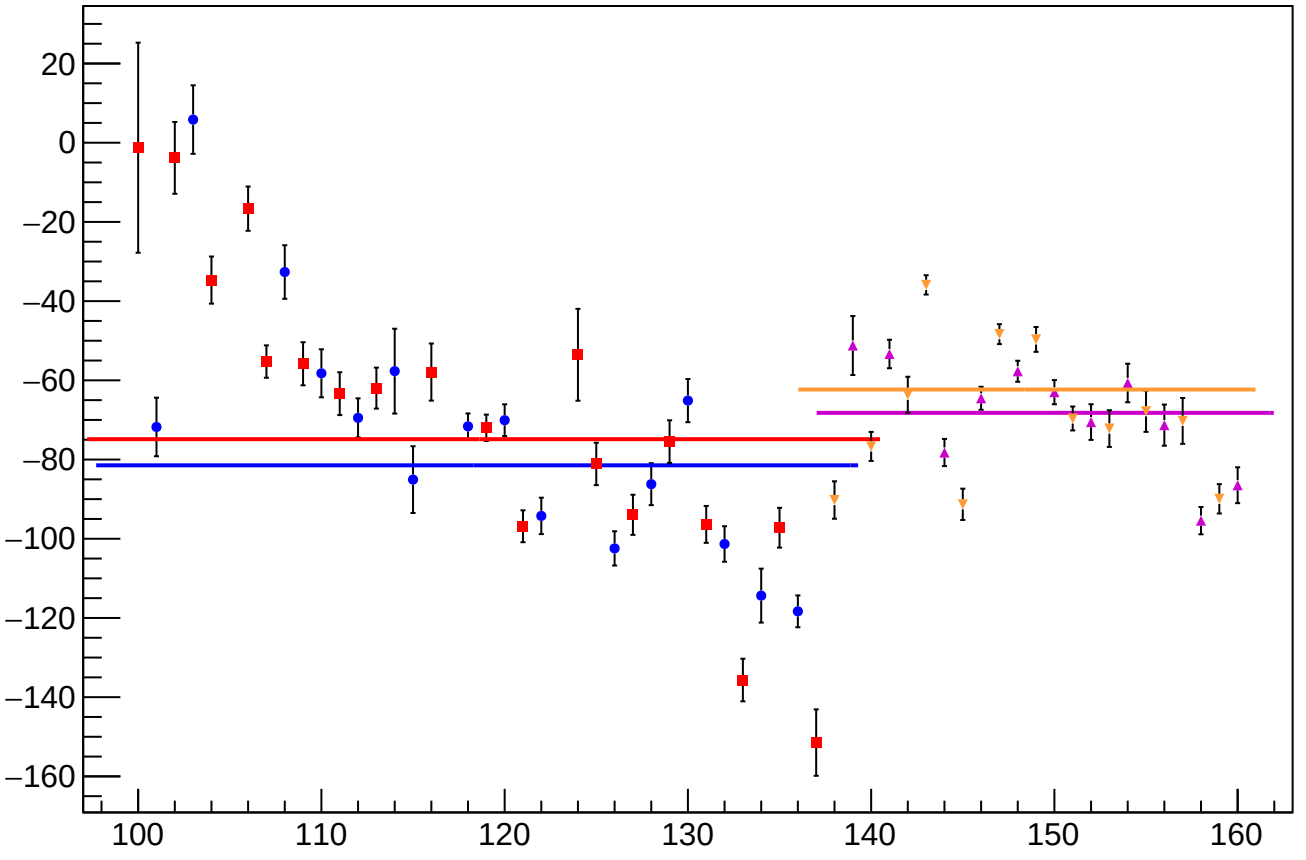
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.544+/-1.356 χ^2/NDF:41.7/10

+ sign -232.057+/-0.882 χ^2/NDF: 2190.0/27

All: -231.675+/-0.626 χ^2/NDF: 5533.3/57

- 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: -62.320+/-1.023 χ^2/NDF:337.7/11

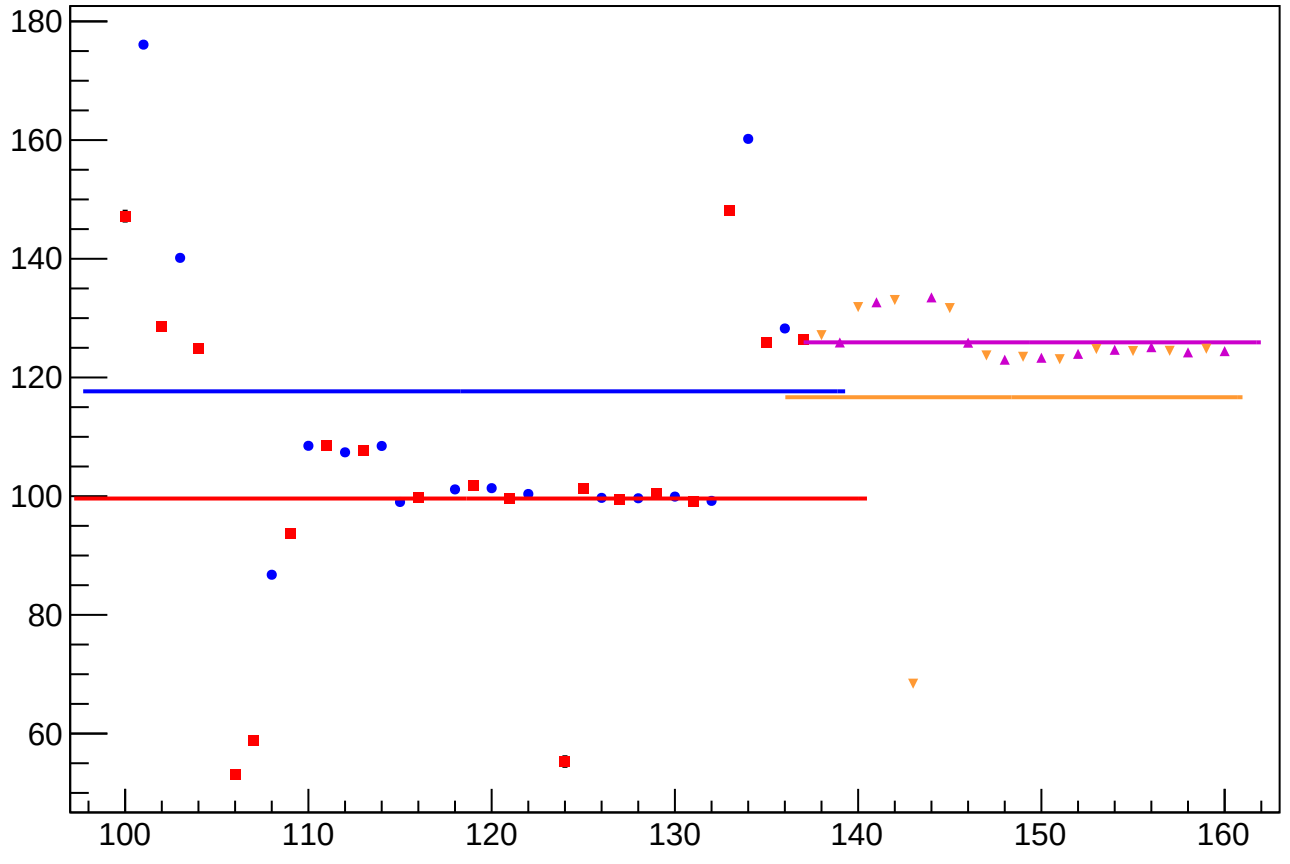
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -68.211+/-1.110 χ^2/NDF:132.9/10

+ sign -69.731+/-0.801 χ^2/NDF: 839.8/27

All: -70.443+/-0.574 χ^2/NDF: 1567.0/57

- 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: 116.672+/-0.050 χ^2/NDF:193338.3/11

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

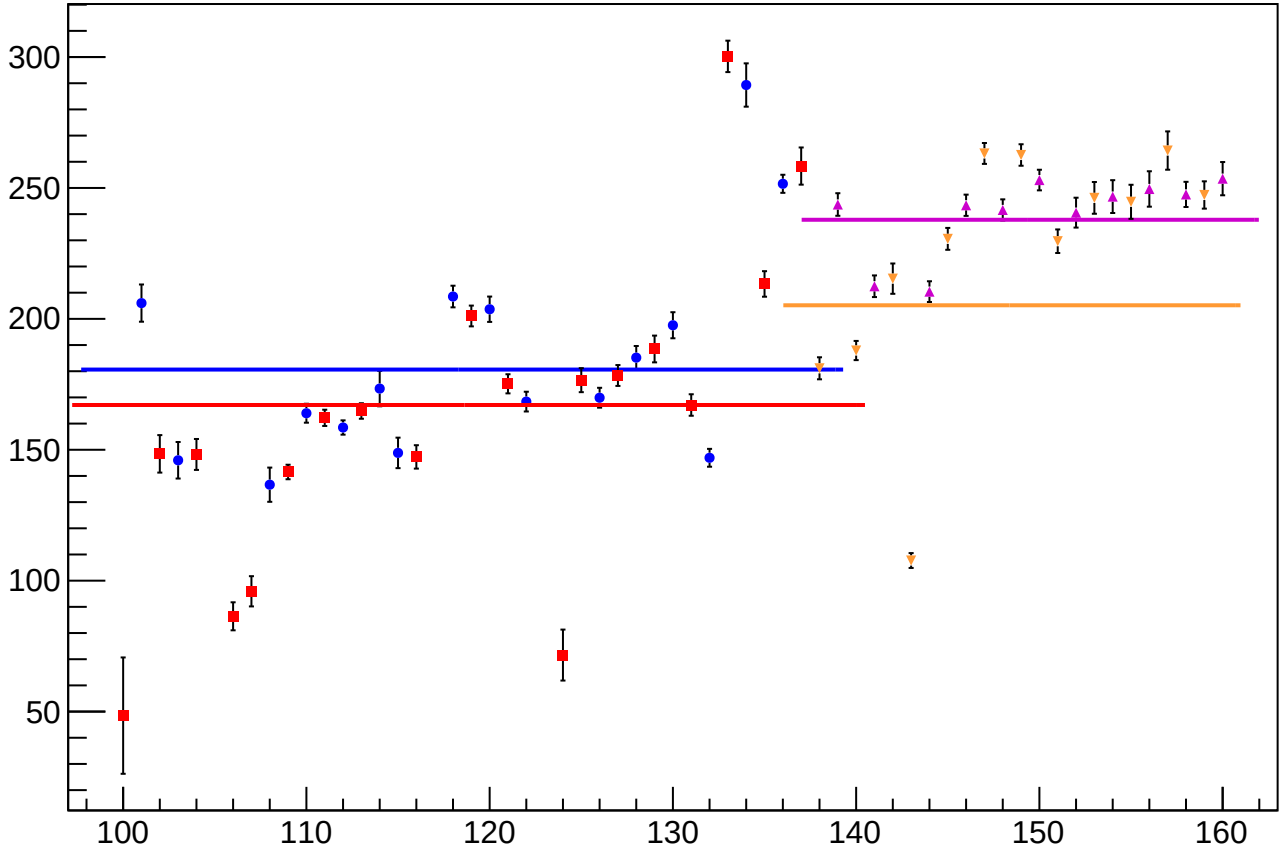
Left In: 125.920+/-0.052 χ^2/NDF:4224.4/10

+ sign 116.958+/-0.042 χ^2/NDF: 288850.3/27

All: 116.765+/-0.030 χ^2/NDF: 549693.8/57

- 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: 205.186+/-1.270 χ^2/NDF:1921.4/11

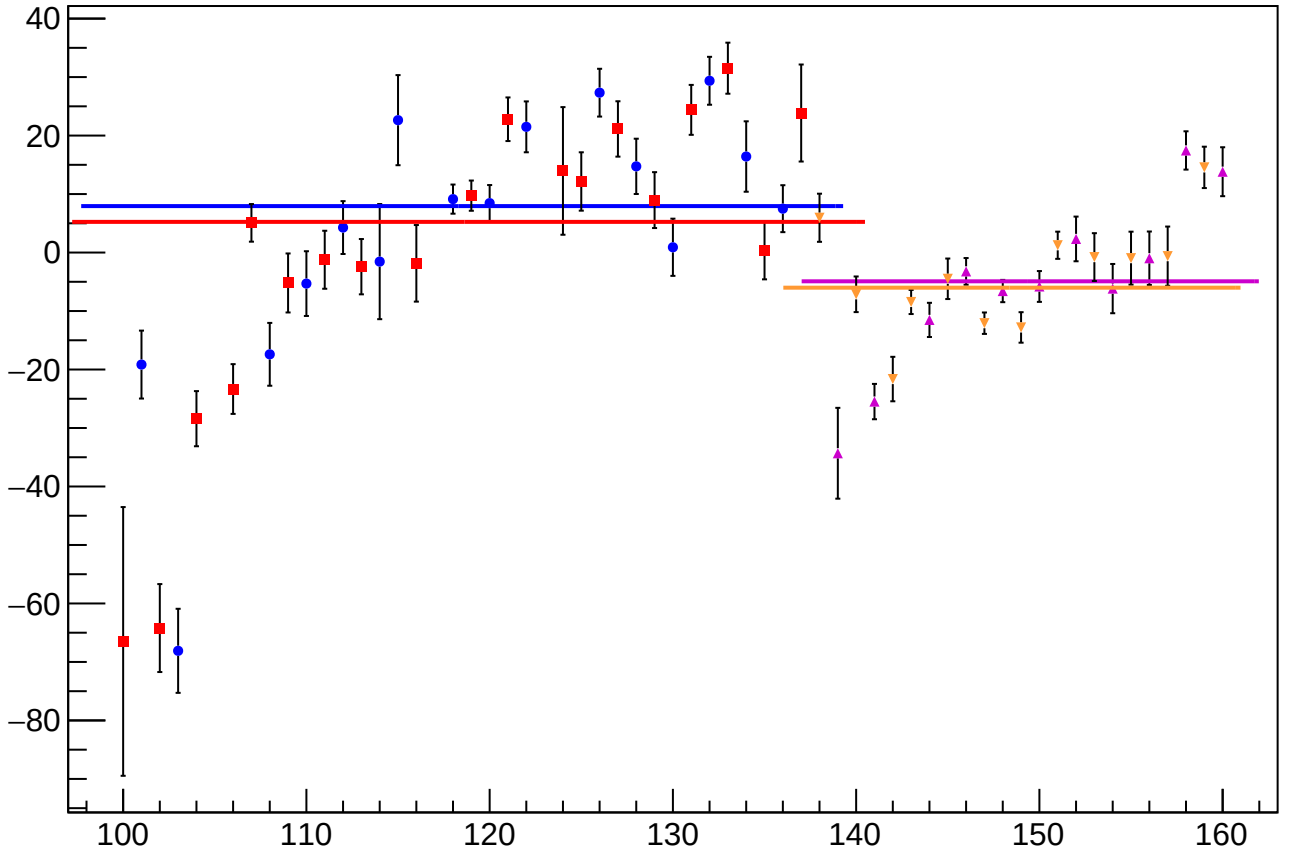
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 237.849+/-1.402 χ^2/NDF:120.6/10

+ sign 191.041+/-0.827 χ^2/NDF: 3130.1/27

All: 191.326+/-0.584 χ^2/NDF: 6399.3/57

- 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: -6.008+/-0.841 χ^2/NDF:92.4/11

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

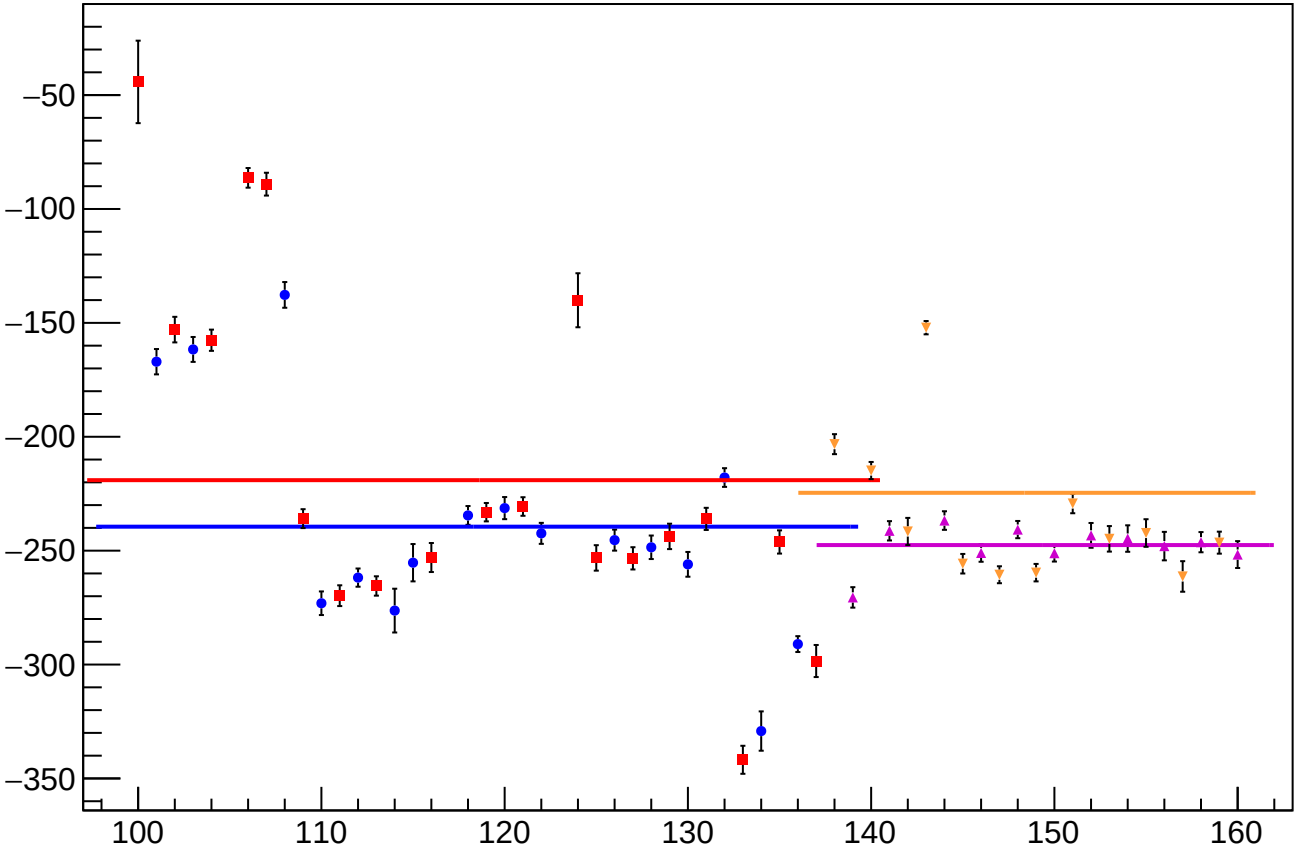
Left In: -4.918+/-0.921 χ^2/NDF:138.4/10

+ sign -0.936+/-0.671 χ^2/NDF: 425.3/27

All: -0.752+/-0.483 χ^2/NDF: 918.9/57

- sign -0.555+/-0.696 χ^2/NDF: 493.5/29

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -224.601+/-1.249 χ^2/NDF:956.7/11

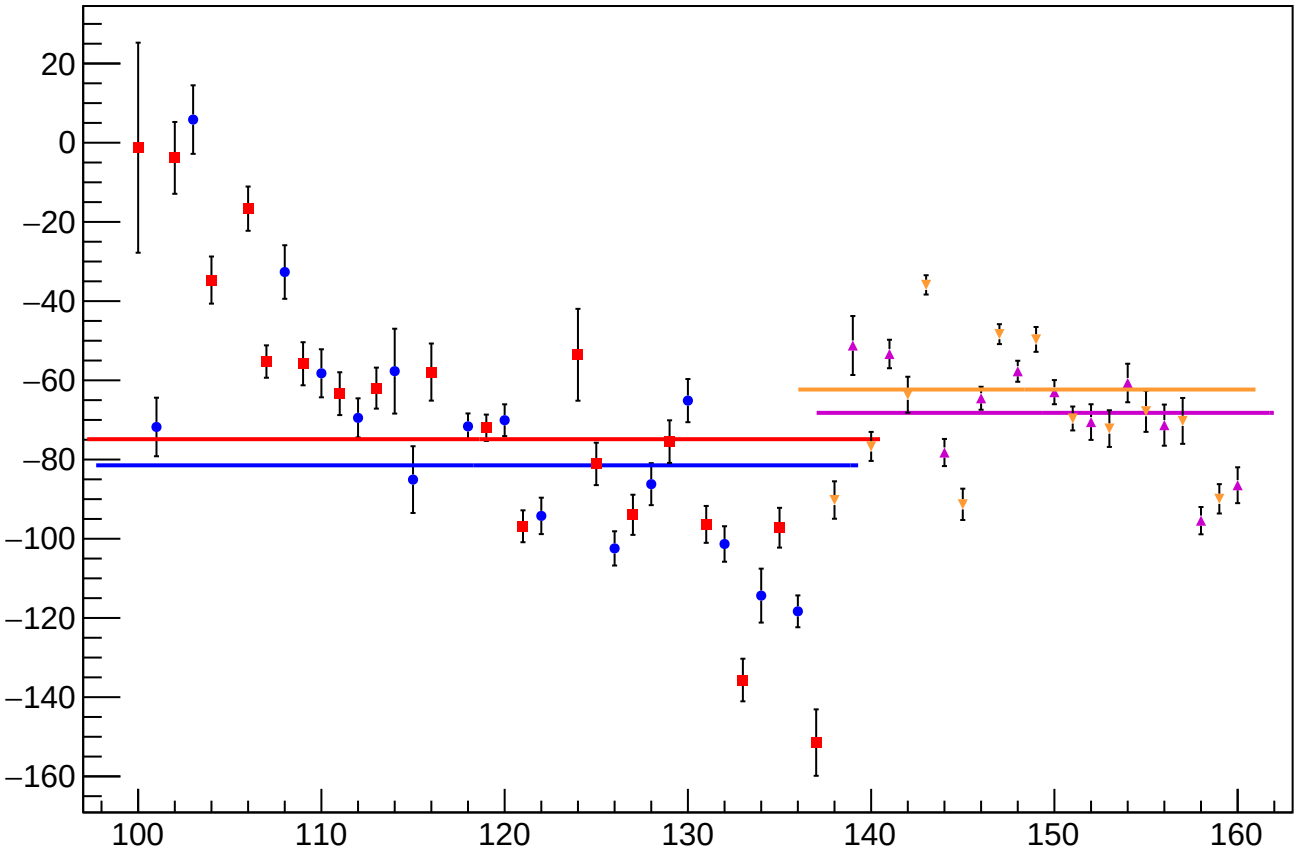
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.544+/-1.356 χ^2/NDF:41.7/10

+ sign -232.057+/-0.882 χ^2/NDF: 2190.0/27

All: -231.675+/-0.626 χ^2/NDF: 5533.3/57

- 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: -62.320+/-1.023 χ^2/NDF:337.7/11

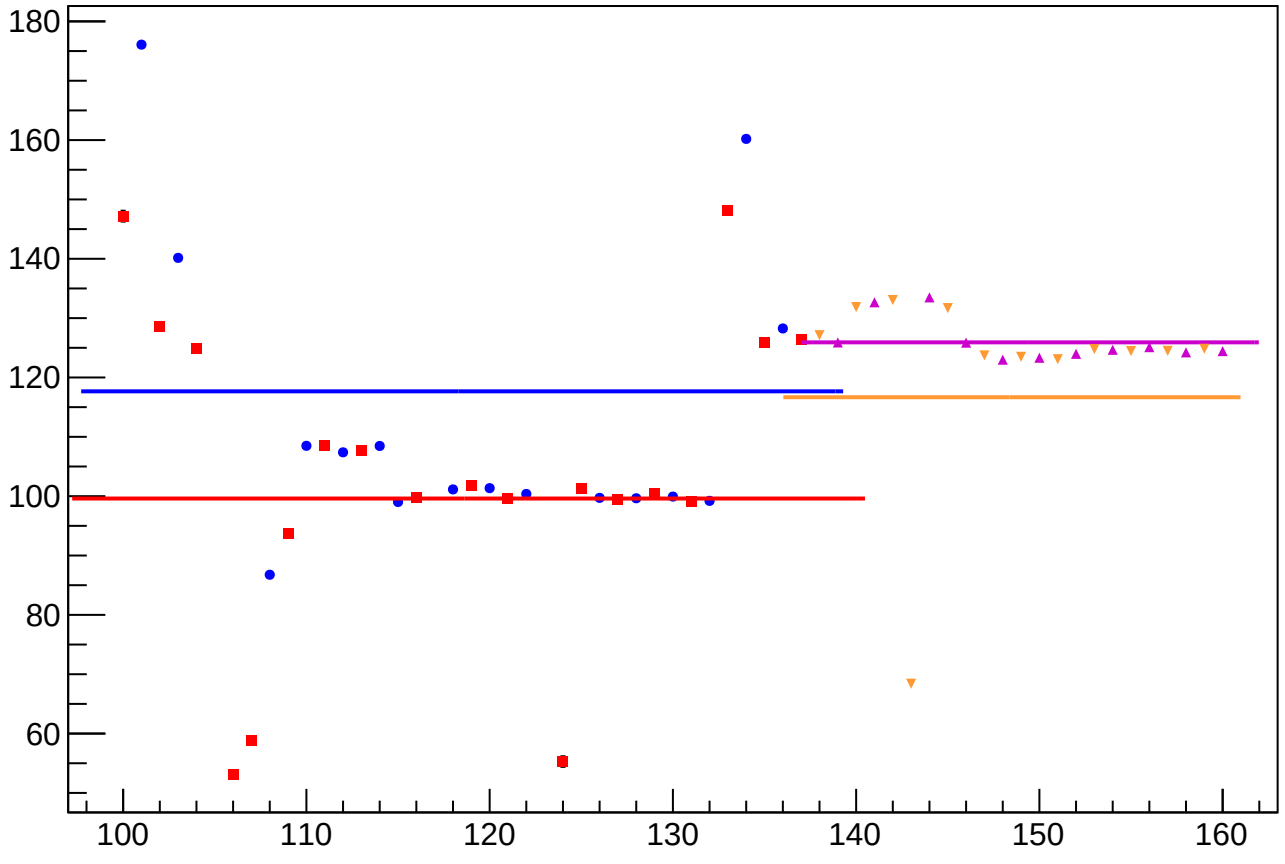
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -68.211+/-1.110 χ^2/NDF:132.9/10

+ sign -69.731+/-0.801 χ^2/NDF: 839.8/27

All: -70.443+/-0.574 χ^2/NDF: 1567.0/57

- 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: 116.672+/-0.050 χ^2/NDF:193338.3/11

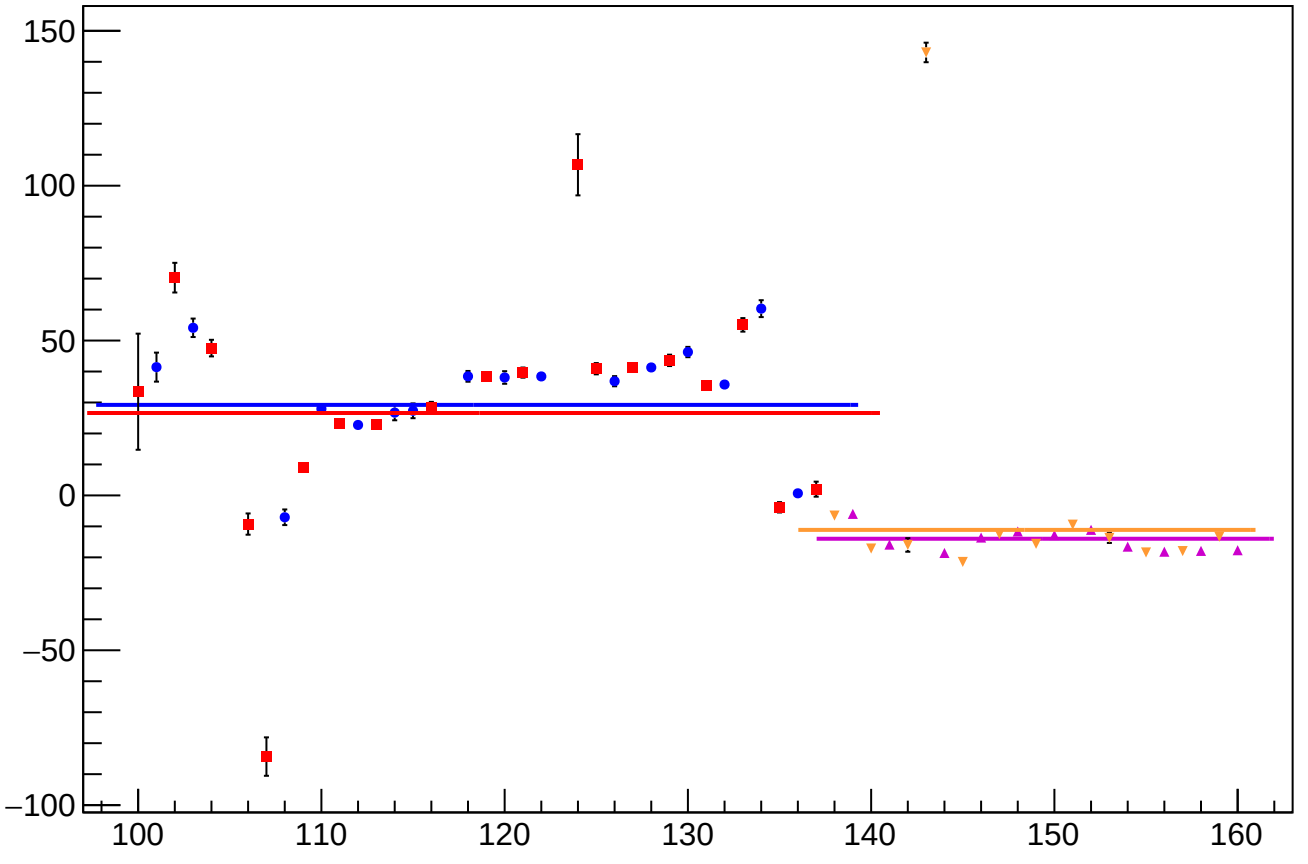
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.920+/-0.052 χ^2/NDF:4224.4/10

+ sign 116.958+/-0.042 χ^2/NDF: 288850.3/27

All: 116.765+/-0.030 χ^2/NDF: 549693.8/57

- sign 116.572+/-0.042 χ^2/NDF: 260801.0/29



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.130+/-0.448 χ^2/NDF:2527.5/11

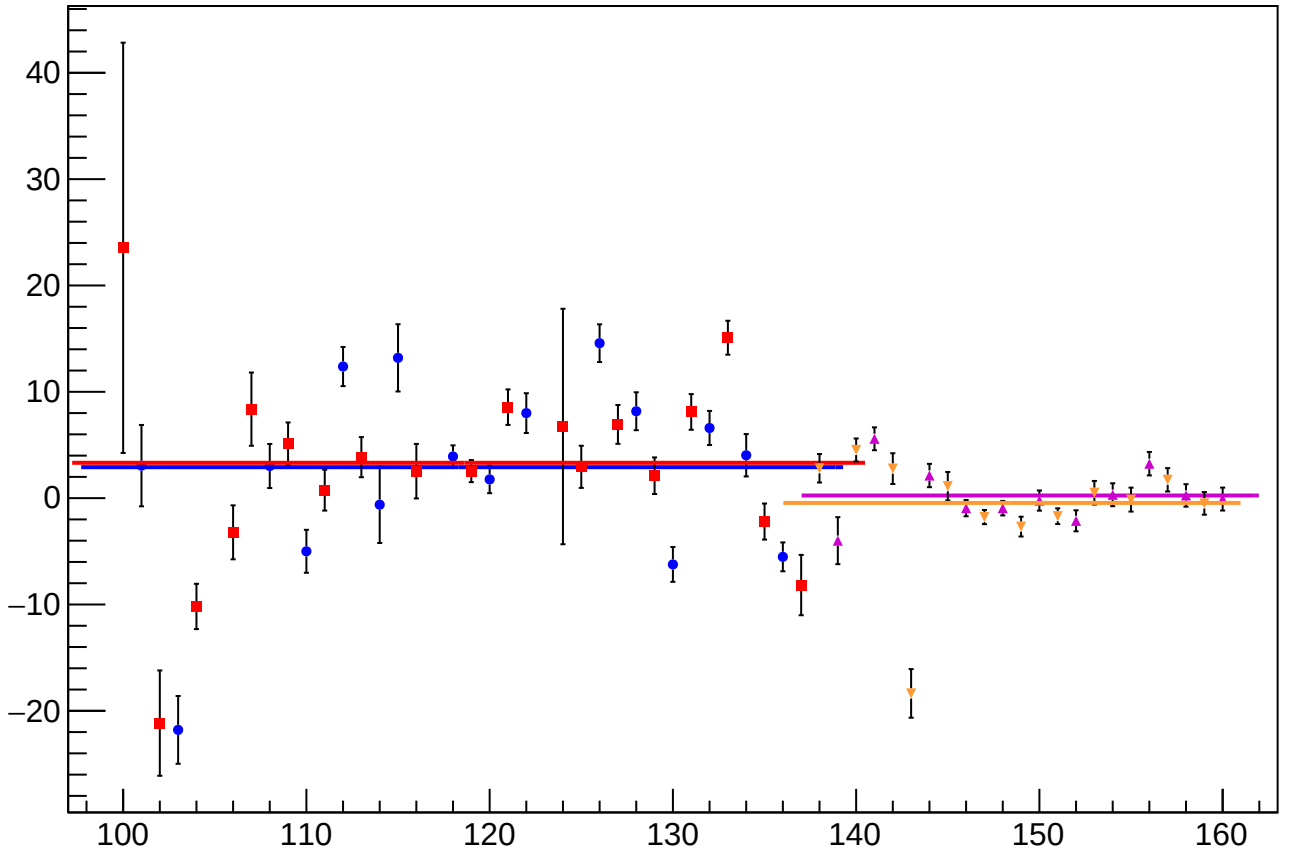
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.993+/-0.440 χ^2/NDF:82.4/10

\+ sign 10.137+/-0.308 χ^2/NDF: 8151.0/27

All: 8.819+/-0.216 χ^2/NDF: 14701.5/57

\- 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: -0.446+/-0.299 χ^2/NDF:112.2/11

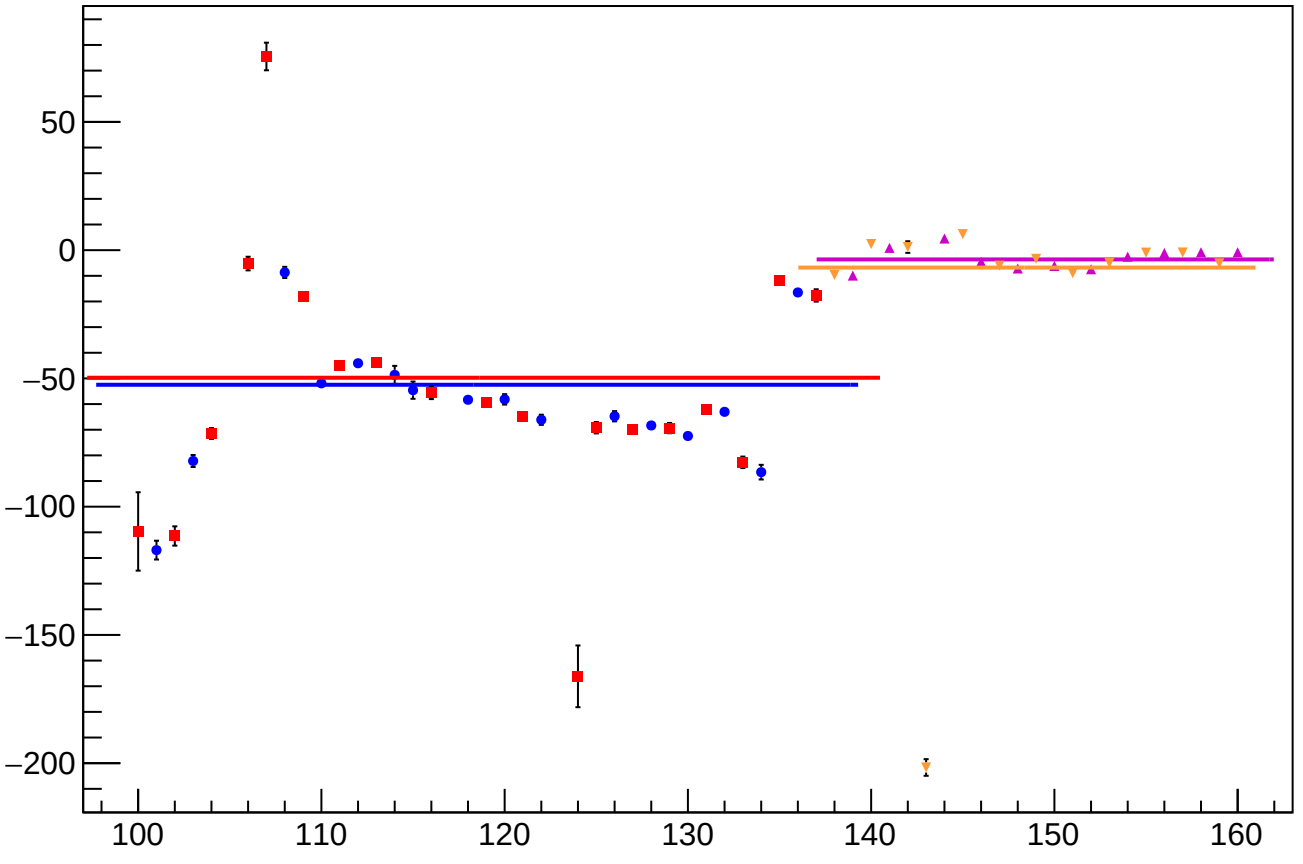
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.249+/-0.297 χ^2/NDF:50.3/10

+ sign 0.607+/-0.248 χ^2/NDF: 401.7/27

All: 0.889+/-0.175 χ^2/NDF: 668.6/57

- 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: -6.790+/-0.433 χ^2/NDF:3785.3/11

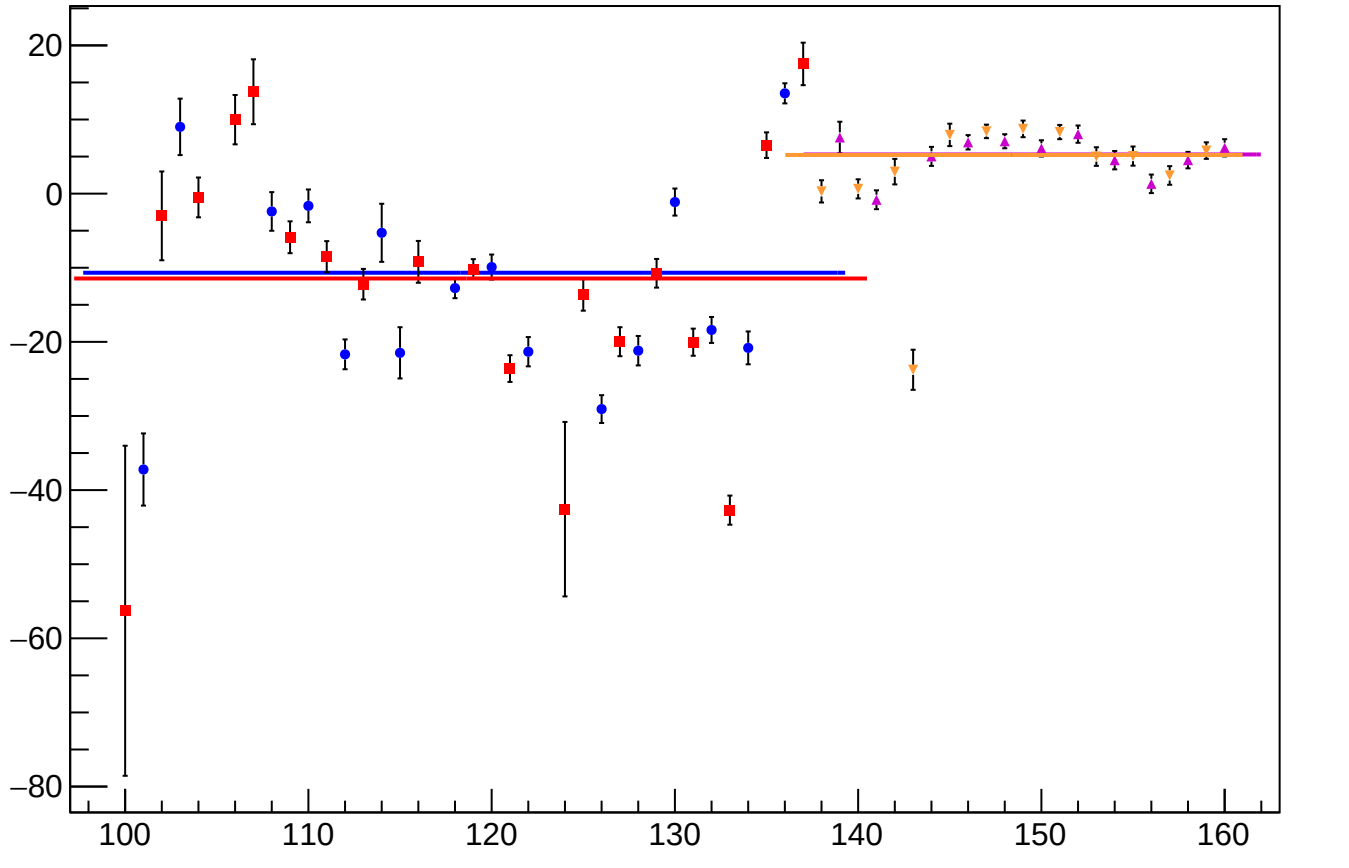
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.607+/-0.424 χ^2/NDF:91.0/10

+ sign -26.939+/-0.324 χ^2/NDF: 11016.4/27

All: -25.052+/-0.228 χ^2/NDF: 19200.9/57

- 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: 5.217+/-0.360 χ^2/NDF:180.5/11

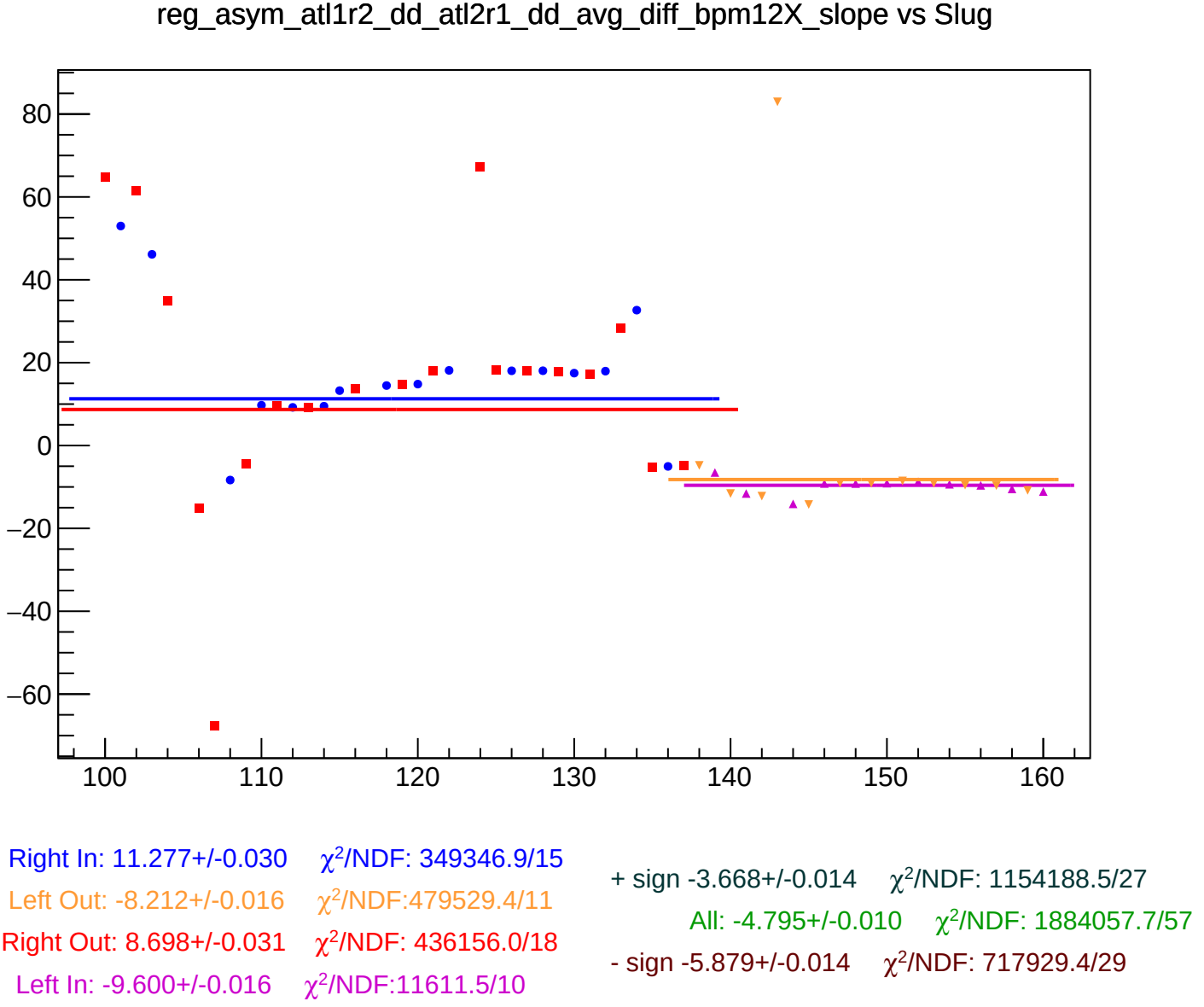
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

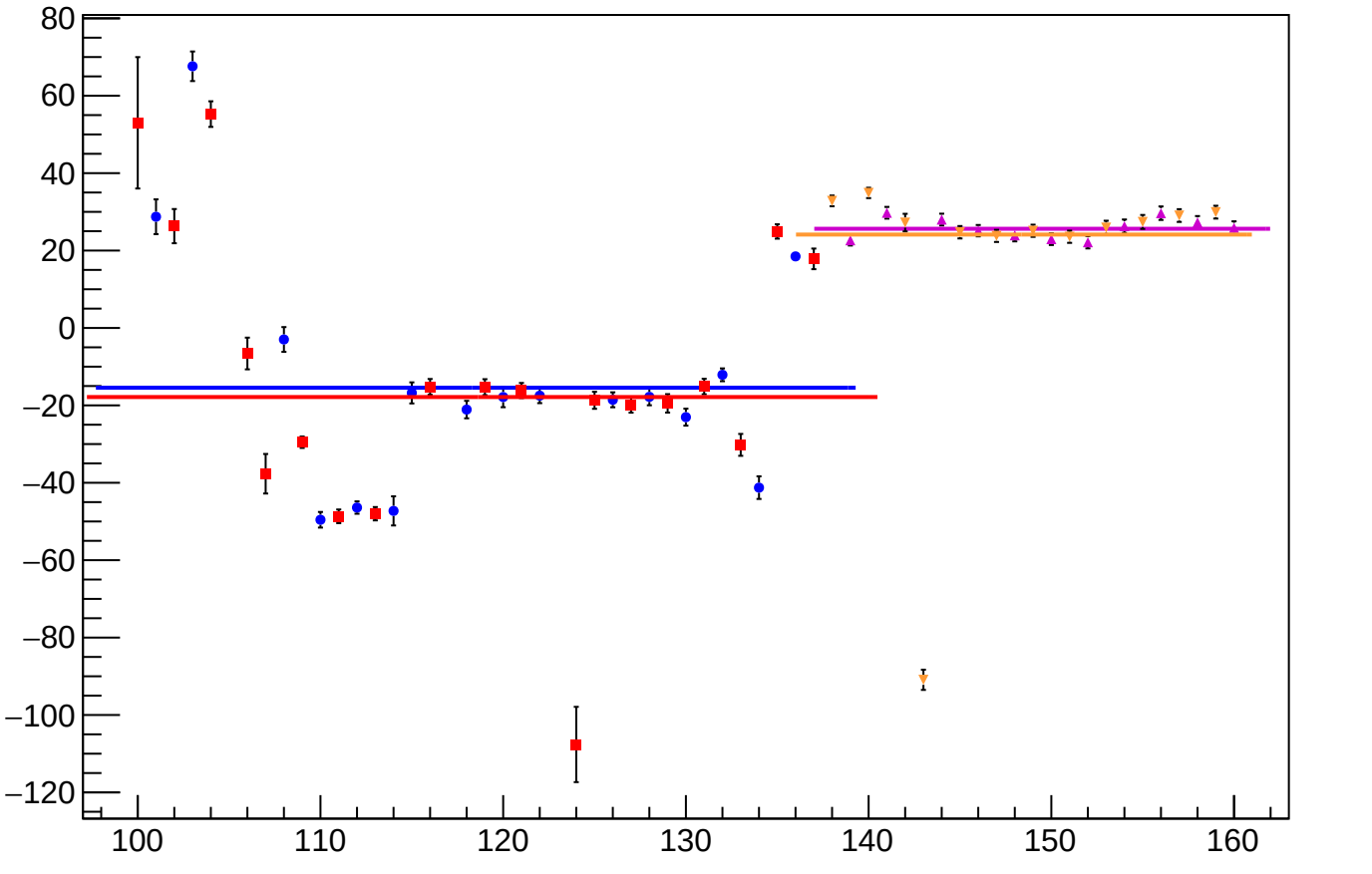
Left In: 5.285+/-0.353 χ^2/NDF:48.2/10

\+ sign -0.136+/-0.293 χ^2/NDF: 1502.4/27

All: -0.094+/-0.207 χ^2/NDF: 2932.7/57

\- sign -0.051+/-0.291 χ^2/NDF: 1430.2/29


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
Right In: 11.277+/-0.030 χ²/NDF: 349346.9/15
Left Out: -8.212+/-0.016 χ²/NDF:479529.4/11
Right Out: 8.698+/-0.031 χ²/NDF: 436156.0/18
Left In: -9.600+/-0.016 χ²/NDF:11611.5/10
+ sign -3.668+/-0.014 χ²/NDF: 1154188.5/27
All: -4.795+/-0.010 χ²/NDF: 1884057.7/57
- sign -5.879+/-0.014 χ²/NDF: 717929.4/29



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 24.135+/-0.478 χ^2/NDF:2071.0/11

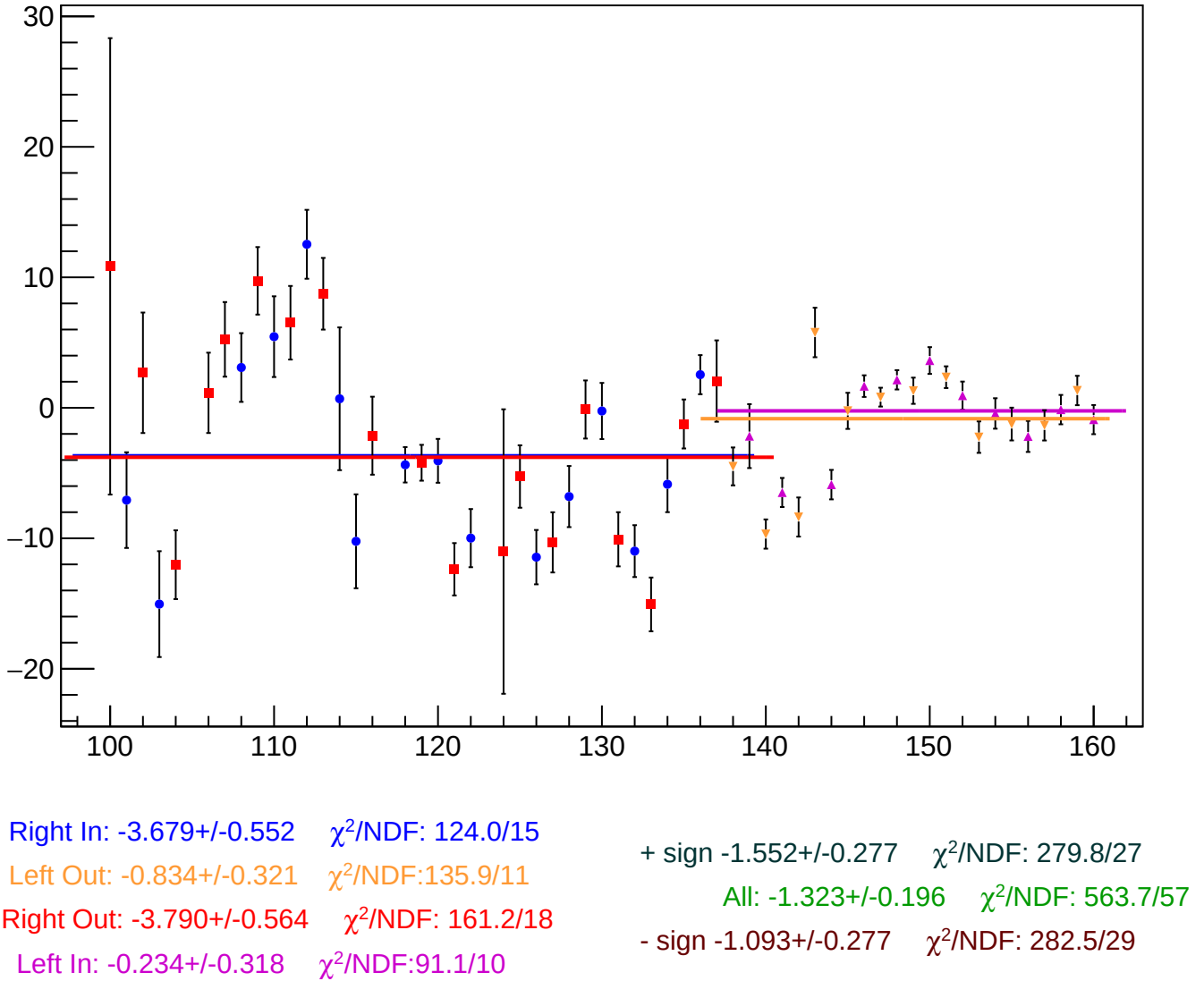
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

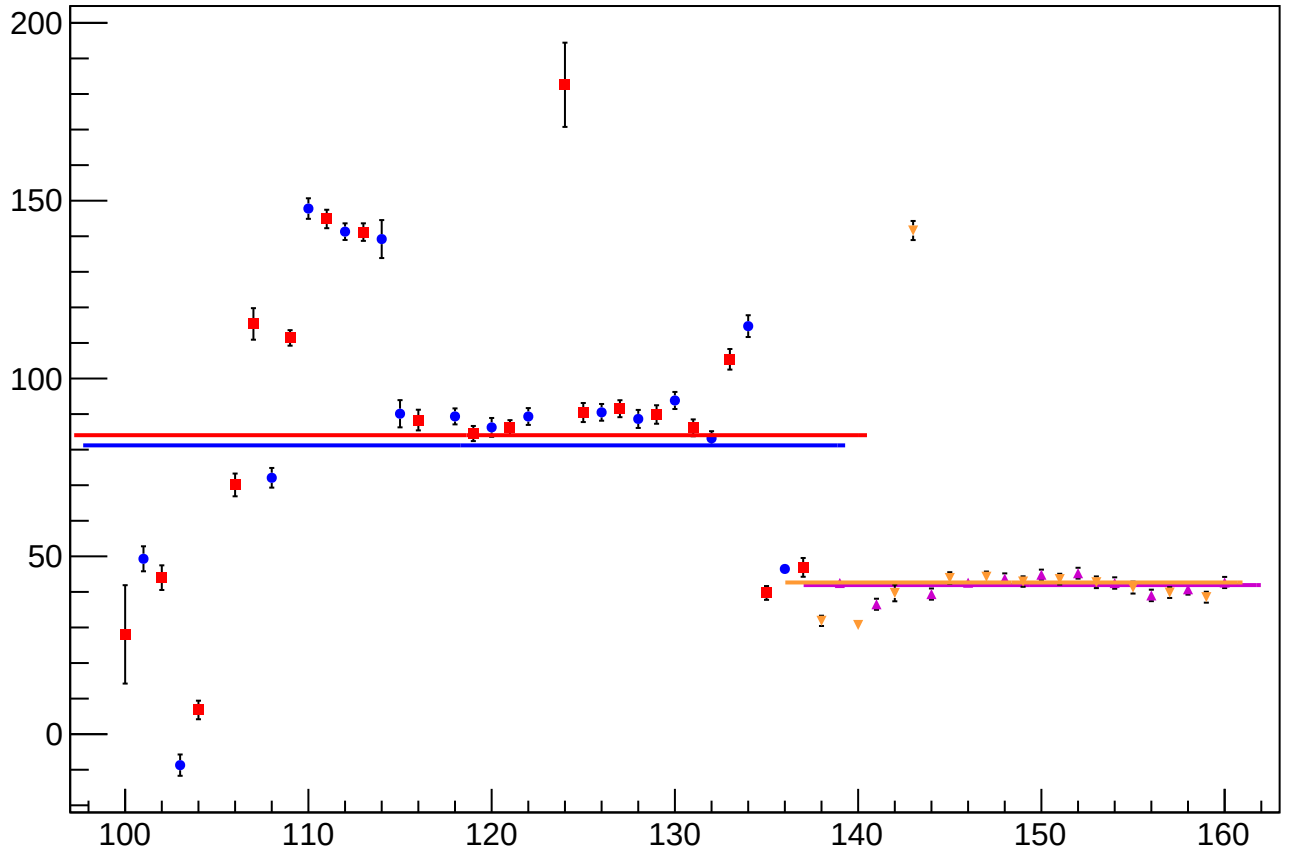
Left In: 25.631+/-0.472 χ^2/NDF:30.2/10

+ sign 6.709+/-0.358 χ^2/NDF: 7211.4/27

All: 6.534+/-0.251 χ^2/NDF: 13120.3/57

- 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: -0.834+/-0.321 χ²/NDF:135.9/11
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.234+/-0.318 χ²/NDF:91.1/10
+ sign -1.552+/-0.277 χ²/NDF: 279.8/27
All: -1.323+/-0.196 χ²/NDF: 563.7/57
- sign -1.093+/-0.277 χ²/NDF: 282.5/29



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 42.654+/-0.463 χ^2/NDF:1502.8/11

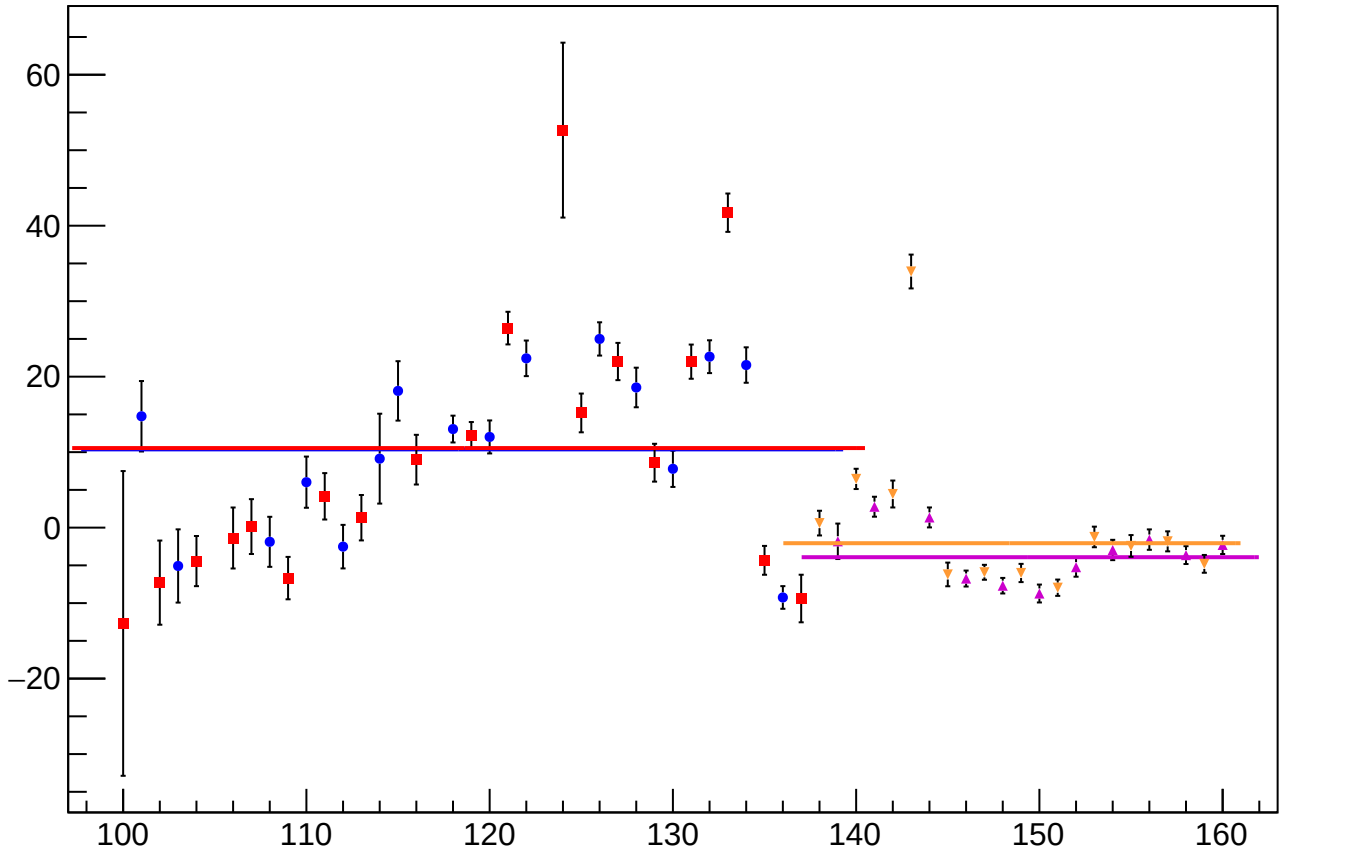
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.920+/-0.455 χ^2/NDF:29.7/10

\+ sign 56.849+/-0.368 χ^2/NDF: 7280.9/27

All: 56.826+/-0.260 χ^2/NDF: 13542.3/57

\- sign 56.803+/-0.366 χ^2/NDF: 6261.4/29



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -2.064+/-0.386 χ^2/NDF:382.7/11

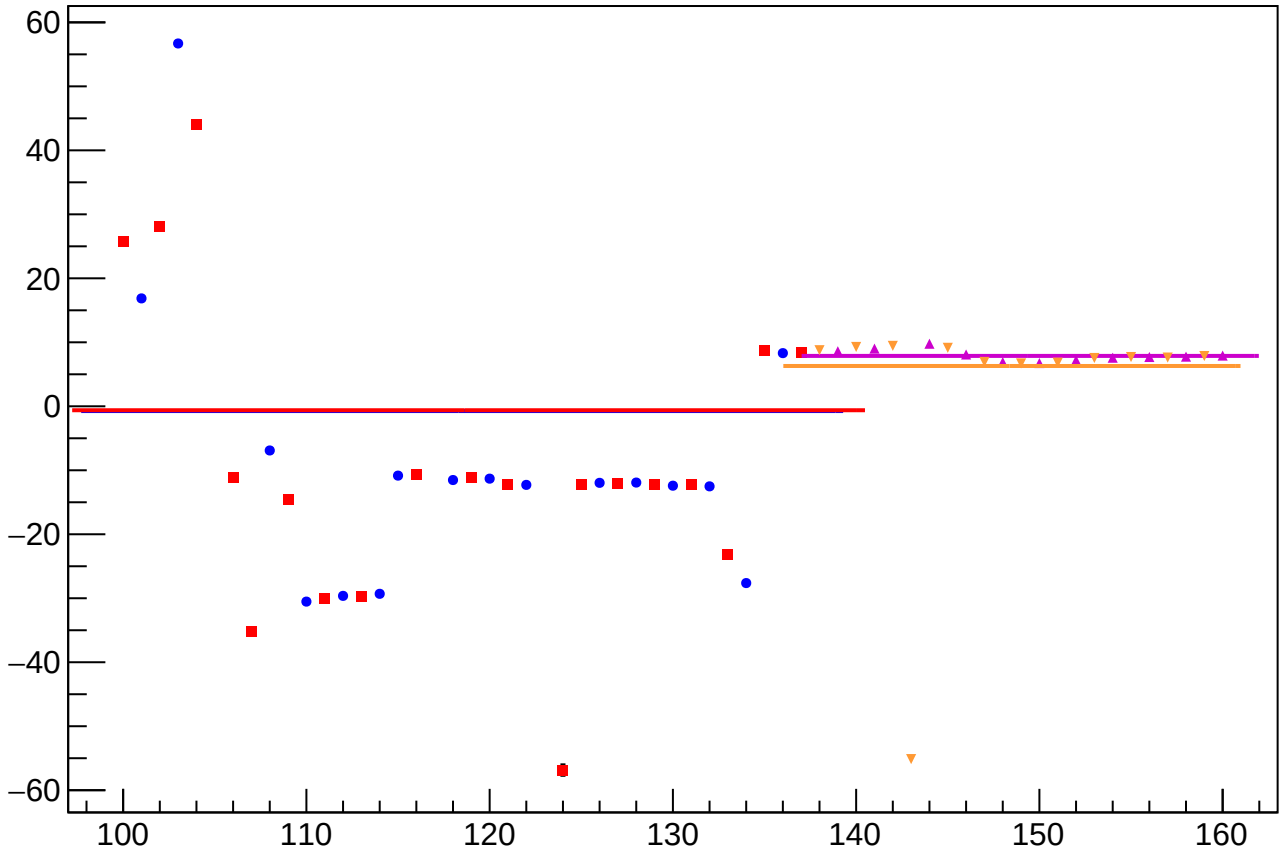
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -3.918+/-0.378 χ^2/NDF:85.8/10

+ sign 1.353+/-0.328 χ^2/NDF: 1027.9/27

All: 0.579+/-0.231 χ^2/NDF: 1973.5/57

- 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: 6.300+/-0.018 χ^2/NDF:312374.6/11

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

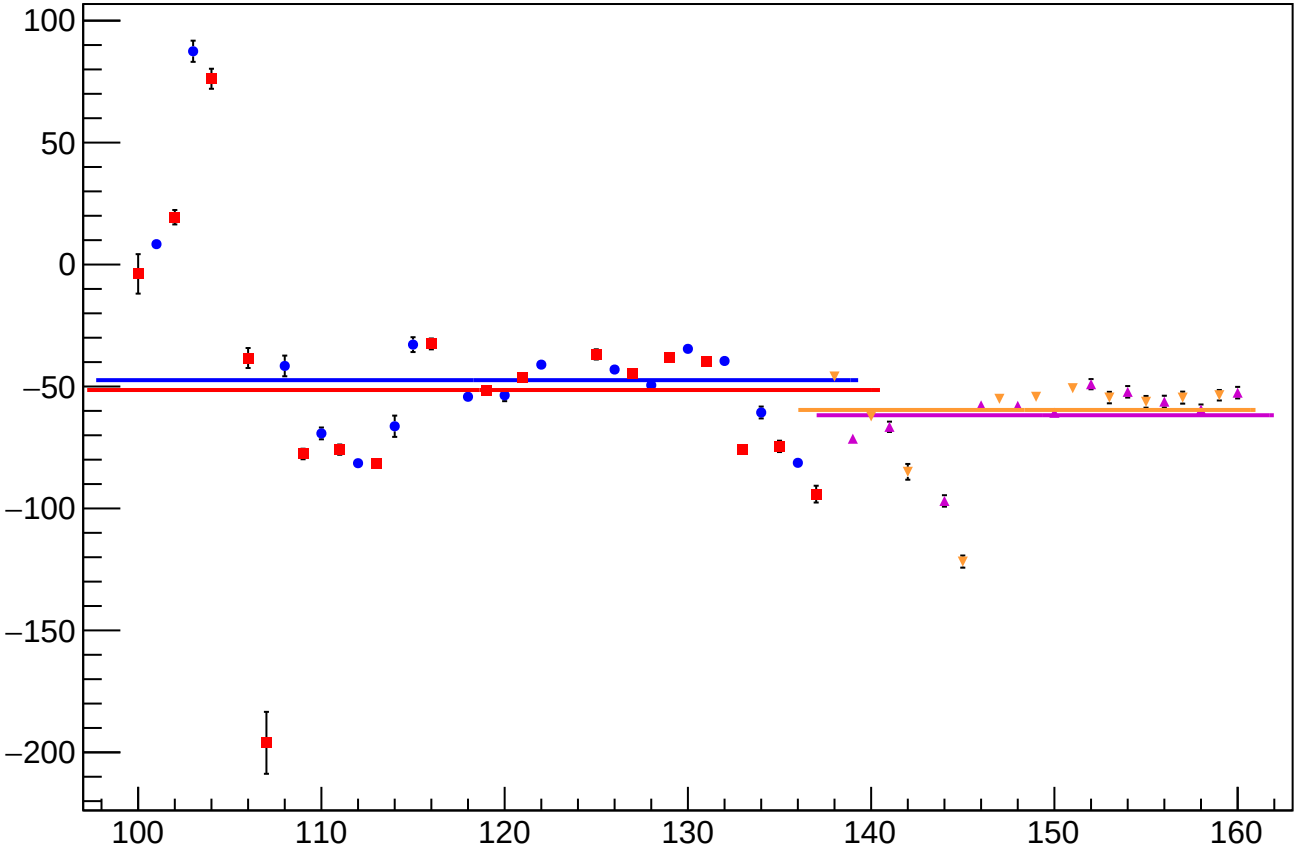
Left In: 7.874+/-0.017 χ^2/NDF:2110.4/10

+ sign 4.922+/-0.016 χ^2/NDF: 711379.0/27

All: 5.681+/-0.011 χ^2/NDF: 1077272.3/57

- 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: -59.615+/-0.642 χ^2/NDF:799.2/10

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

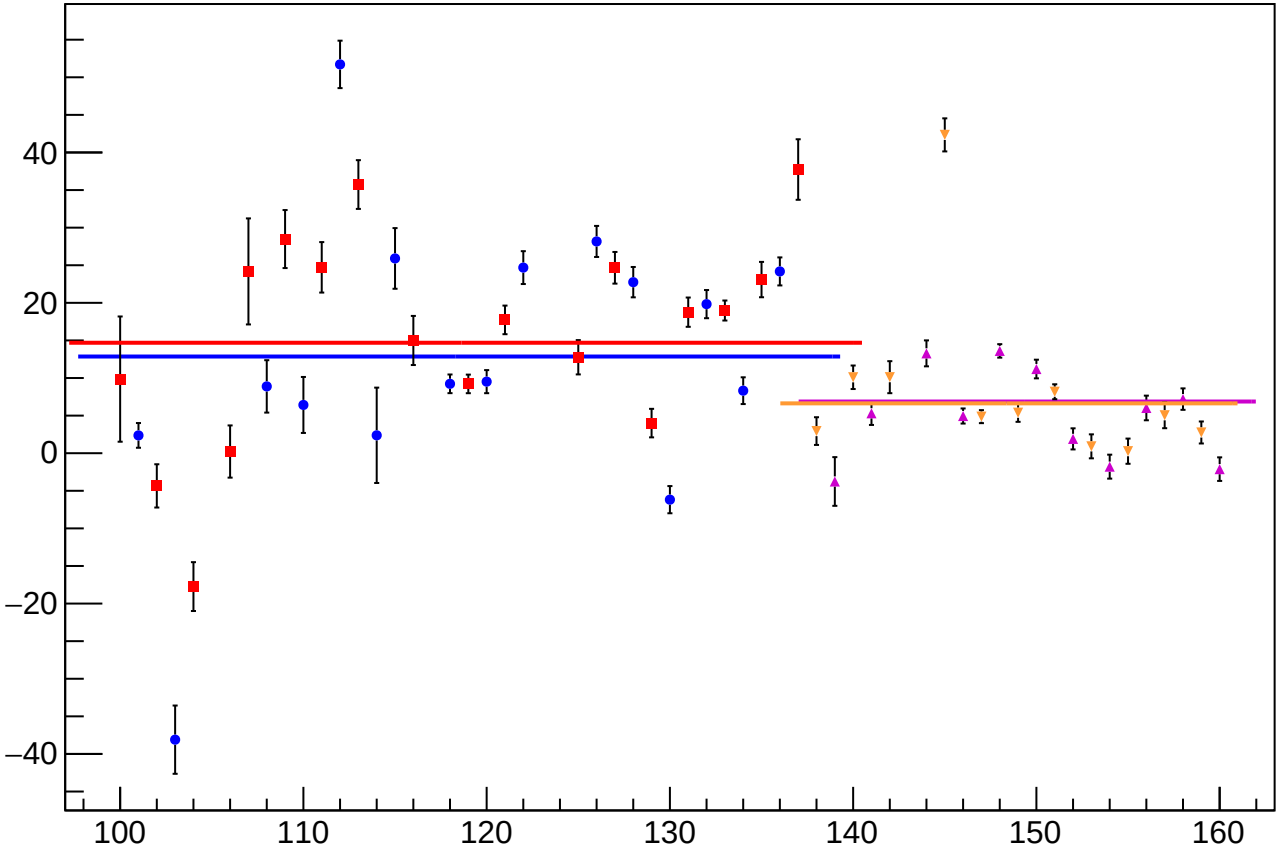
Left In: -61.783+/-0.623 χ^2/NDF:343.3/10

\+ sign -52.405+/-0.411 χ^2/NDF: 3781.9/26

All: -54.171+/-0.290 χ^2/NDF: 7190.9/55

\- 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: 6.629+/-0.418 χ^2/NDF:318.0/10

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

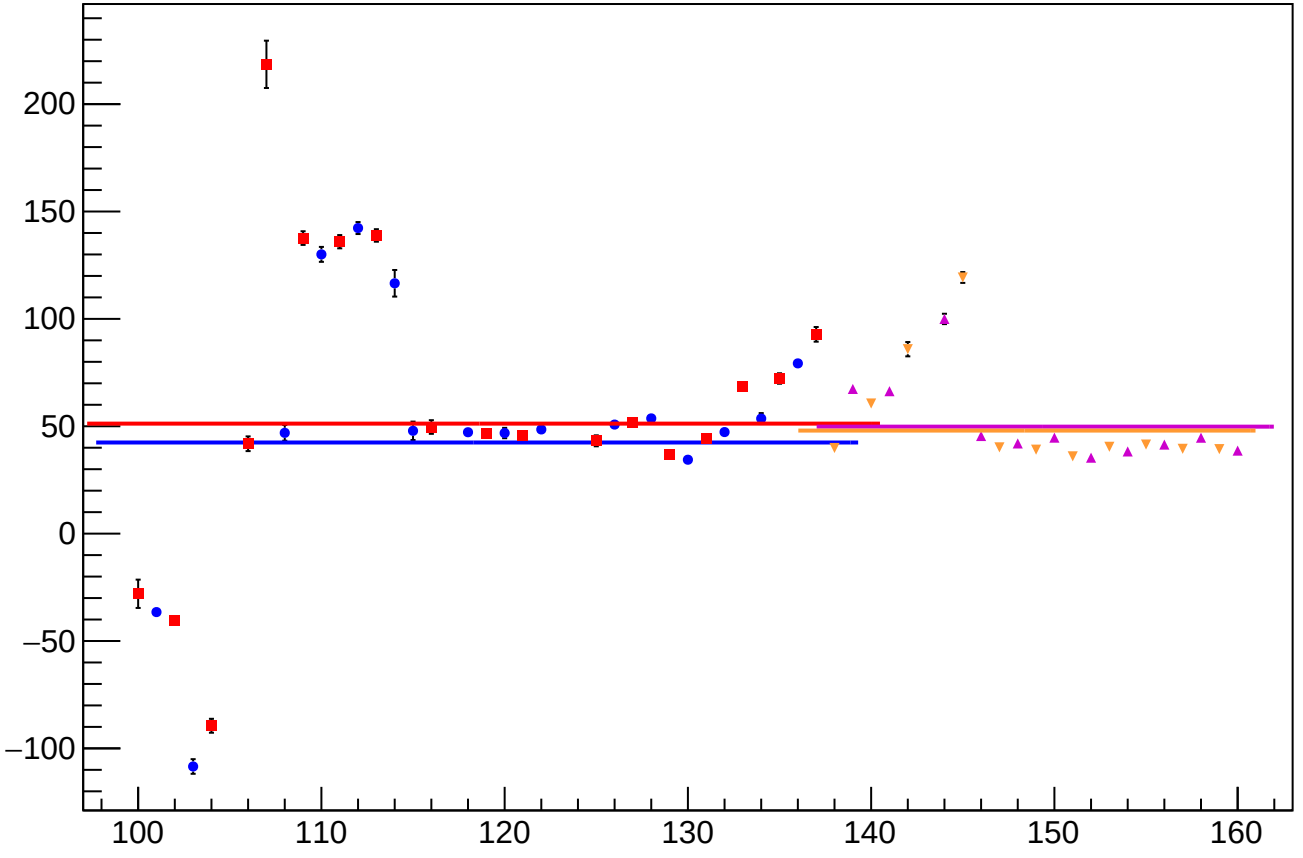
Left In: 6.874+/-0.412 χ^2/NDF:173.1/10

+ sign 9.084+/-0.326 χ^2/NDF: 1030.9/26

All: 9.398+/-0.231 χ^2/NDF: 1701.2/55

- sign 9.717+/-0.328 χ^2/NDF: 668.5/28

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 47.986+/-0.619 χ^2/NDF:1134.3/10

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

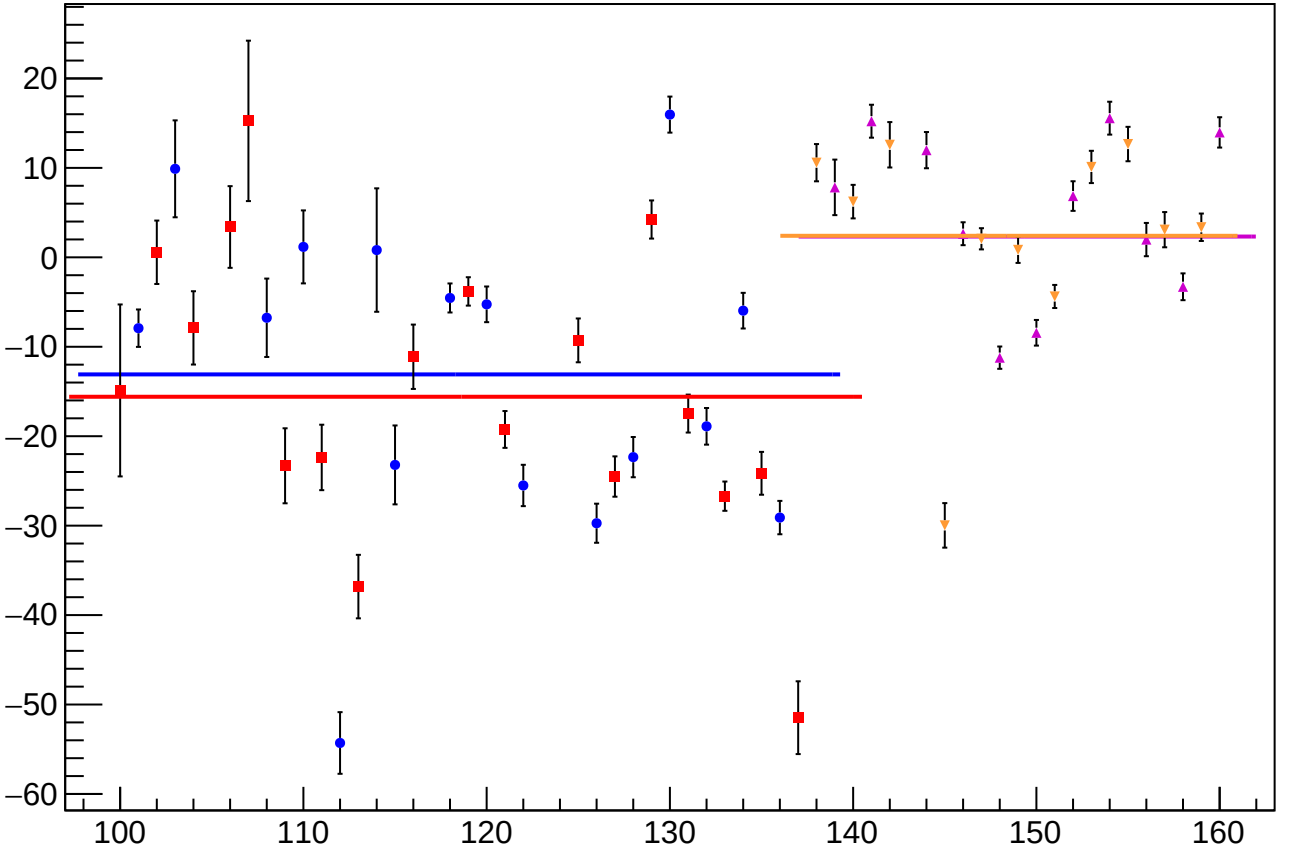
Left In: 49.817+/-0.598 χ^2/NDF:739.1/10

+ sign 45.051+/-0.425 χ^2/NDF: 8345.7/26

All: 47.752+/-0.302 χ^2/NDF: 15780.3/55

- 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: 2.407+/-0.508 χ^2/NDF:280.8/10

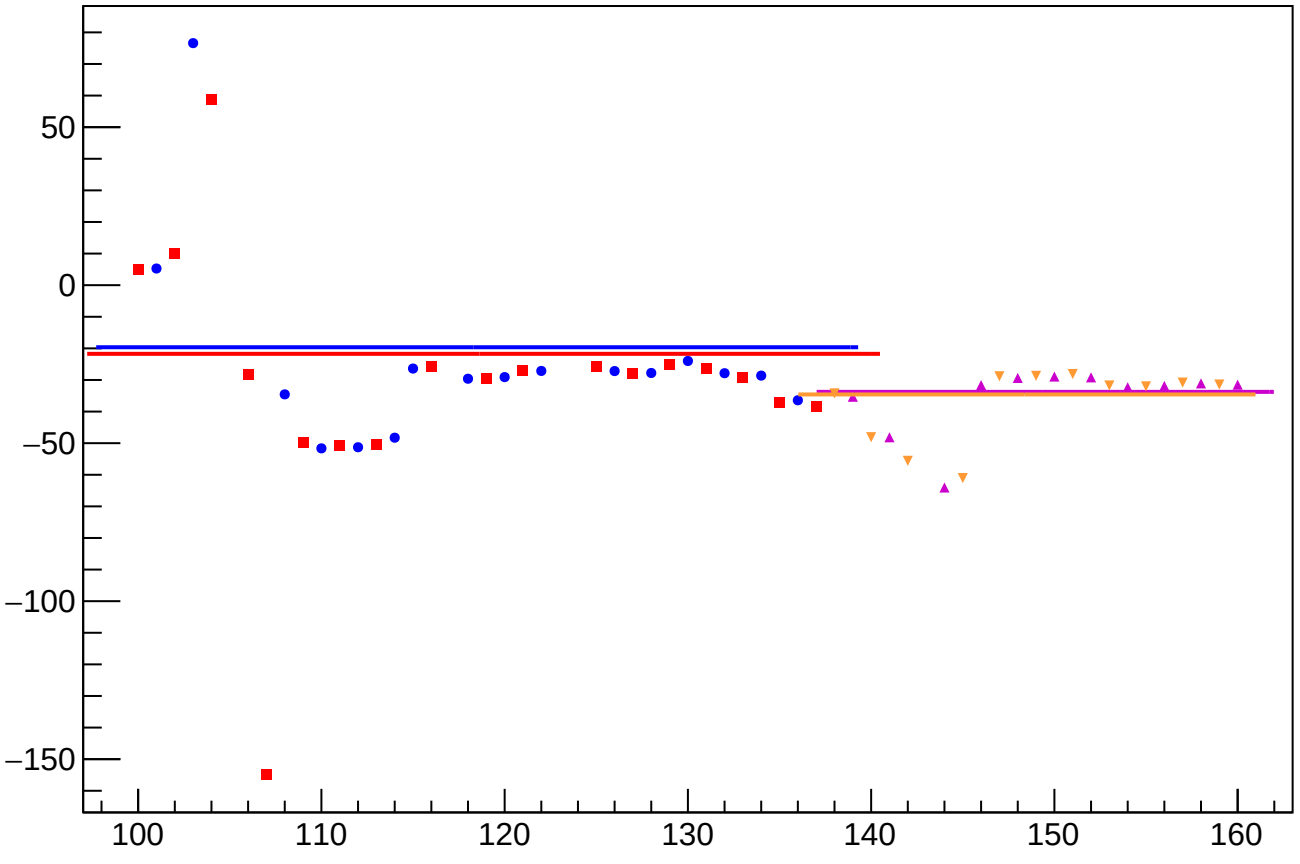
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.324+/-0.492 χ^2/NDF:369.8/10

\+ sign -4.067+/-0.388 χ^2/NDF: 1309.5/26

All: -4.290+/-0.274 χ^2/NDF: 2586.7/55

\- 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: -34.580+/-0.024 χ^2/NDF:146780.0/10

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

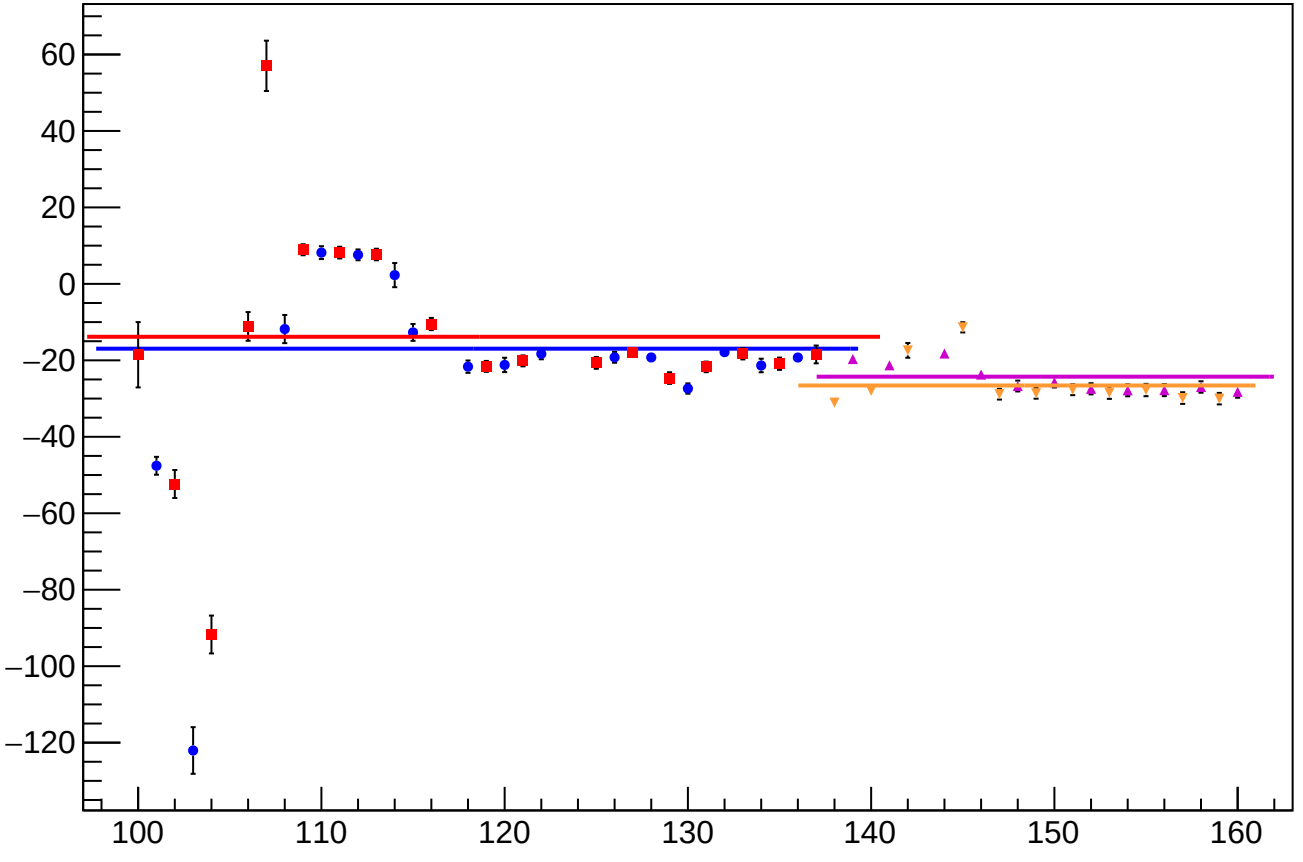
Left In: -33.763+/-0.022 χ^2/NDF:121949.2/10

\+ sign -30.064+/-0.020 χ^2/NDF: 913050.6/26

All: -30.413+/-0.014 χ^2/NDF: 1654034.9/55

\- 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: -26.577+/-0.430 χ^2/NDF:184.9/10

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

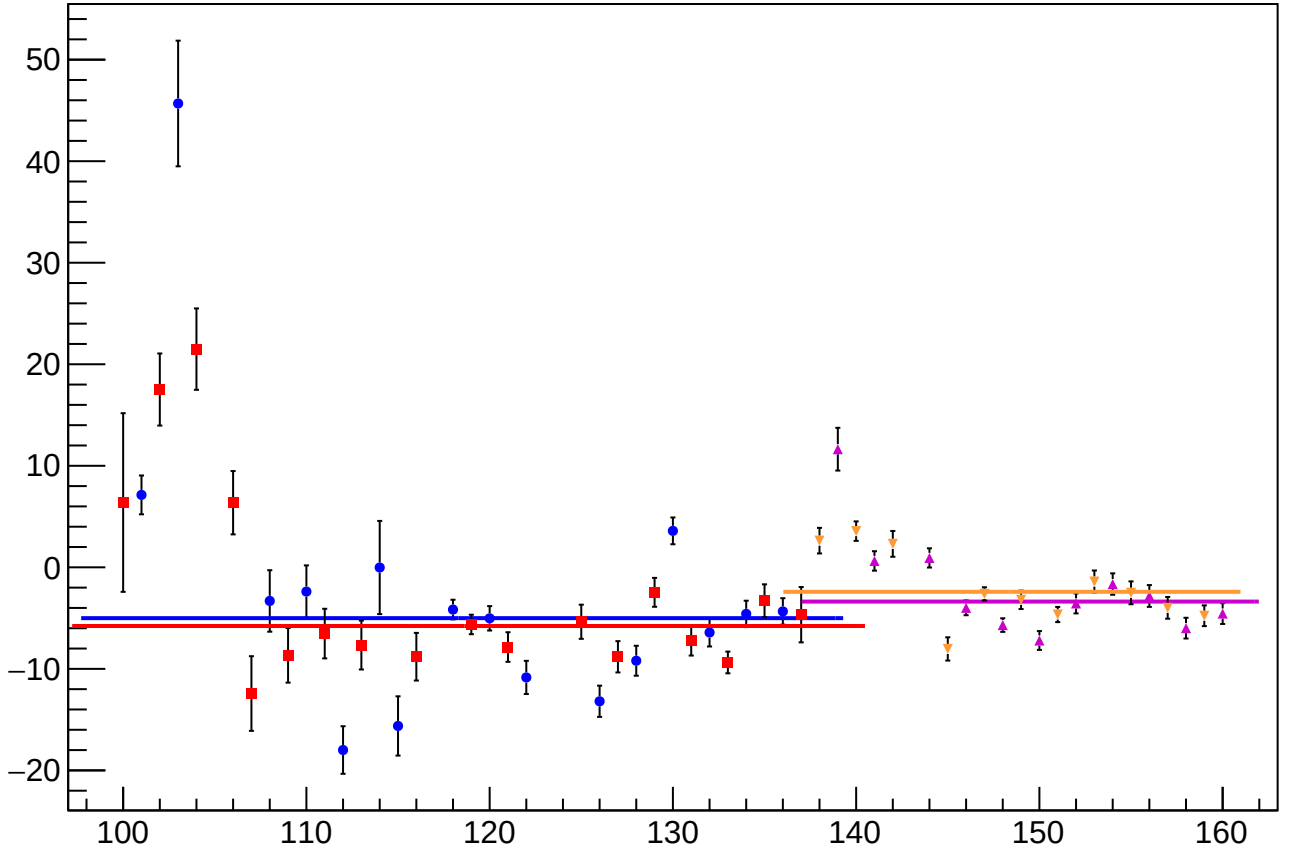
Left In: -24.276+/-0.418 χ^2/NDF:72.4/10

+ sign -21.463+/-0.294 χ^2/NDF: 1579.5/26

All: -20.195+/-0.207 χ^2/NDF: 3340.3/55

- 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: -2.410+/-0.290 χ^2/NDF:110.8/10

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

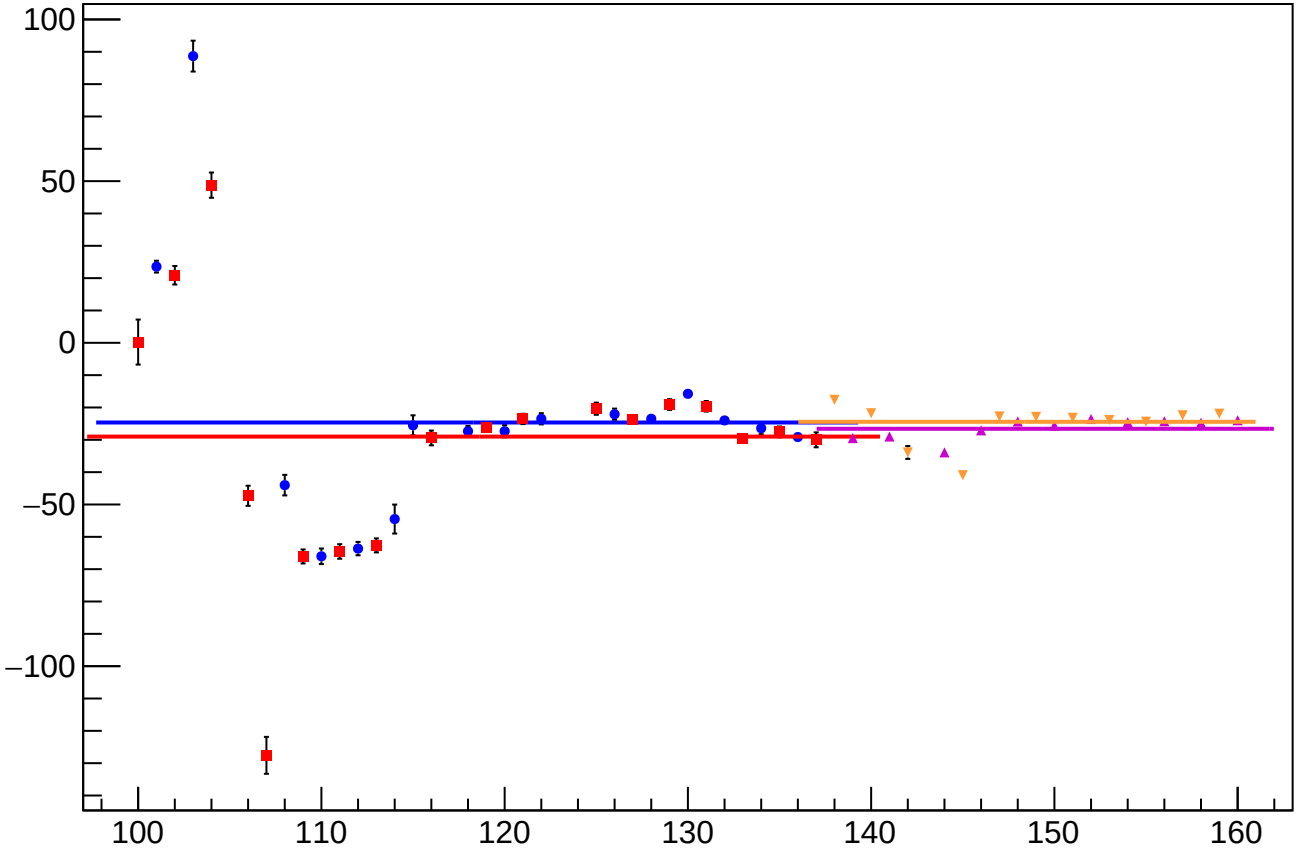
Left In: -3.374+/-0.284 χ^2/NDF:129.6/10

+ sign -3.299+/-0.235 χ^2/NDF: 386.0/26

All: -3.714+/-0.166 χ^2/NDF: 683.8/55

- 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: -24.430+/-0.417 χ^2/NDF:213.4/10

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

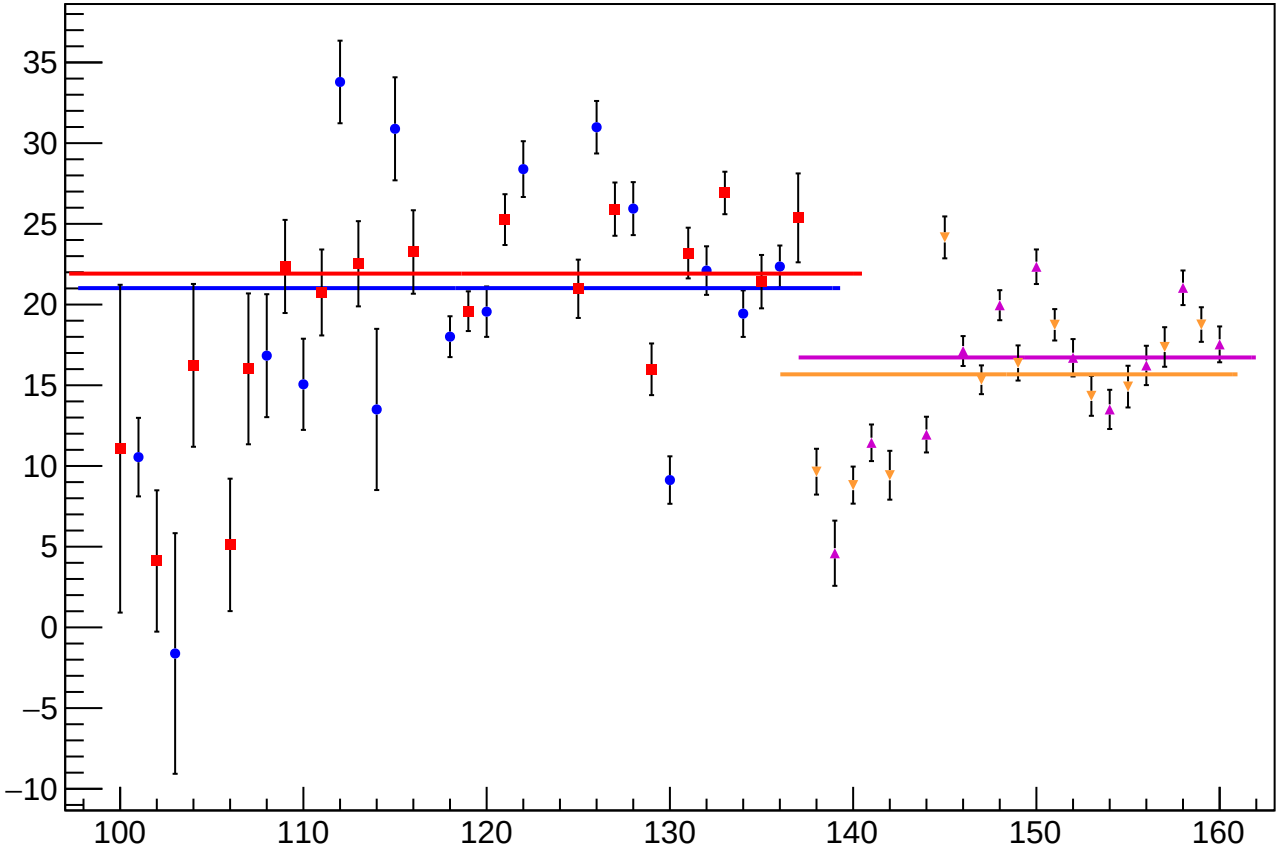
Left In: -26.588+/-0.404 χ^2/NDF:57.7/10

\+ sign -24.527+/-0.307 χ^2/NDF: 2265.3/26

All: -26.062+/-0.218 χ^2/NDF: 4340.2/55

\- 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: 15.677+/-0.348 χ^2/NDF:135.8/10

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

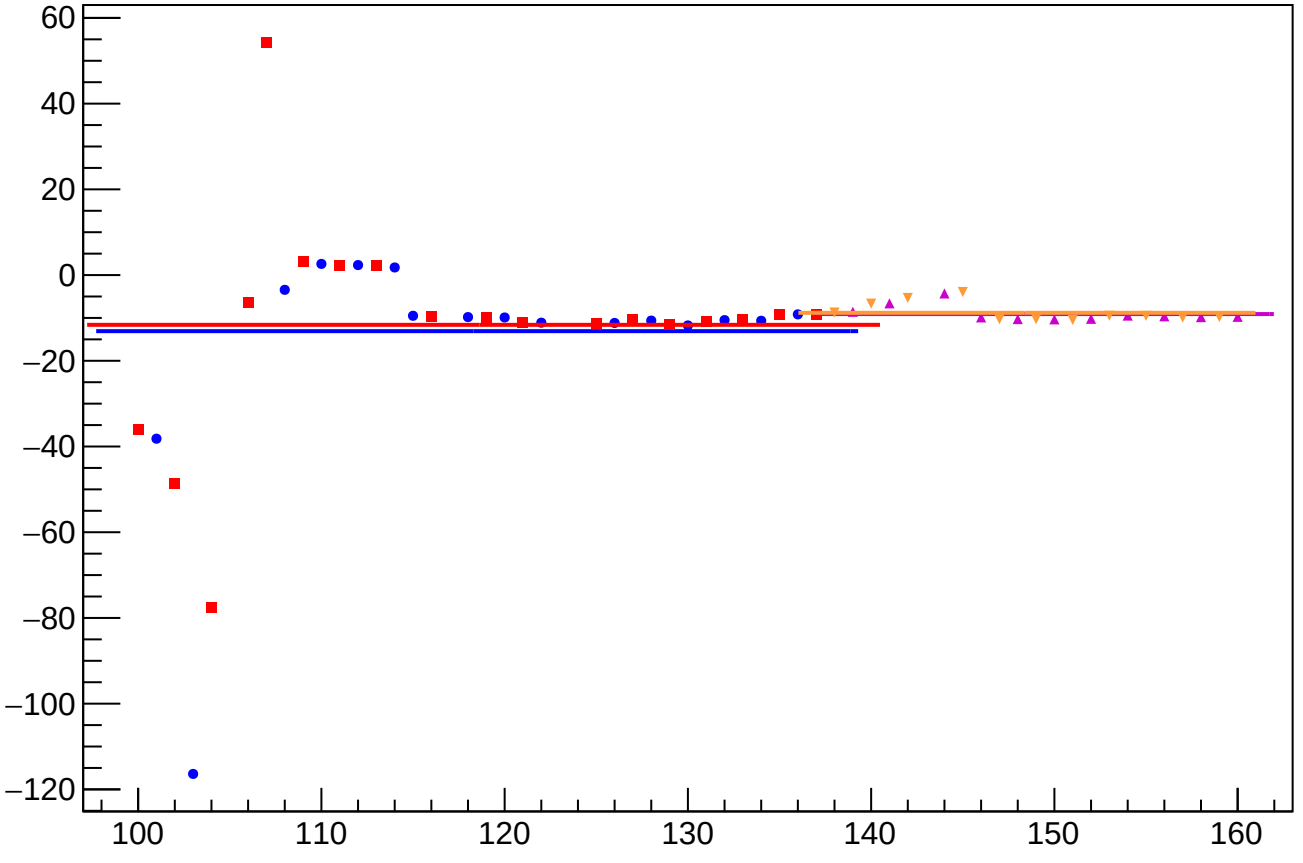
Left In: 16.723+/-0.337 χ^2/NDF:140.2/10

+ sign 17.635+/-0.277 χ^2/NDF: 431.5/26

All: 18.043+/-0.195 χ^2/NDF: 737.3/55

- 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: -8.802+/-0.016 χ^2/NDF:15442.3/10

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

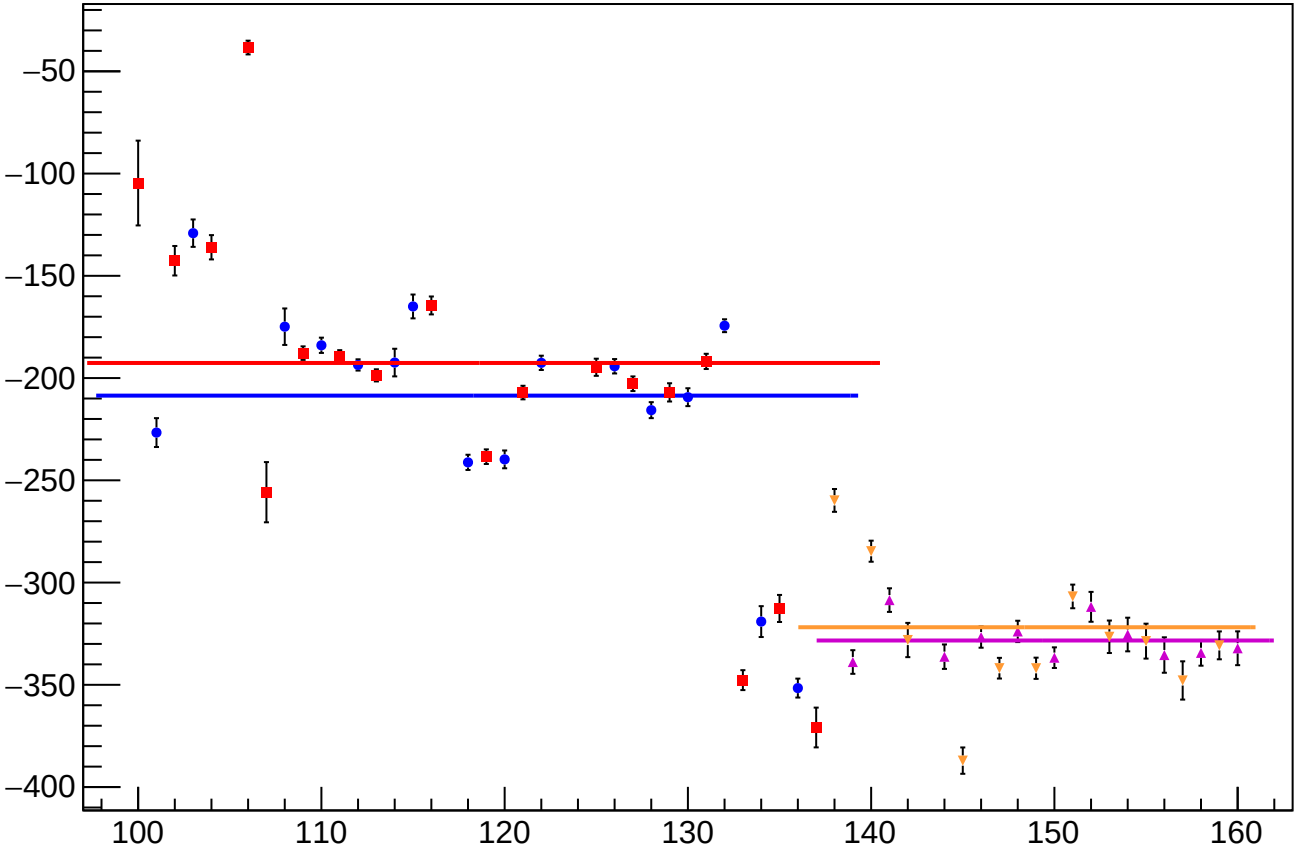
Left In: -9.099+/-0.015 χ^2/NDF:11246.1/10

+ sign -9.828+/-0.014 χ^2/NDF: 377676.2/26

All: -9.706+/-0.010 χ^2/NDF: 708576.5/55

- sign -9.588+/-0.014 χ^2/NDF: 330748.6/28

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -321.848+/-1.901 χ^2/NDF:326.5/10

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

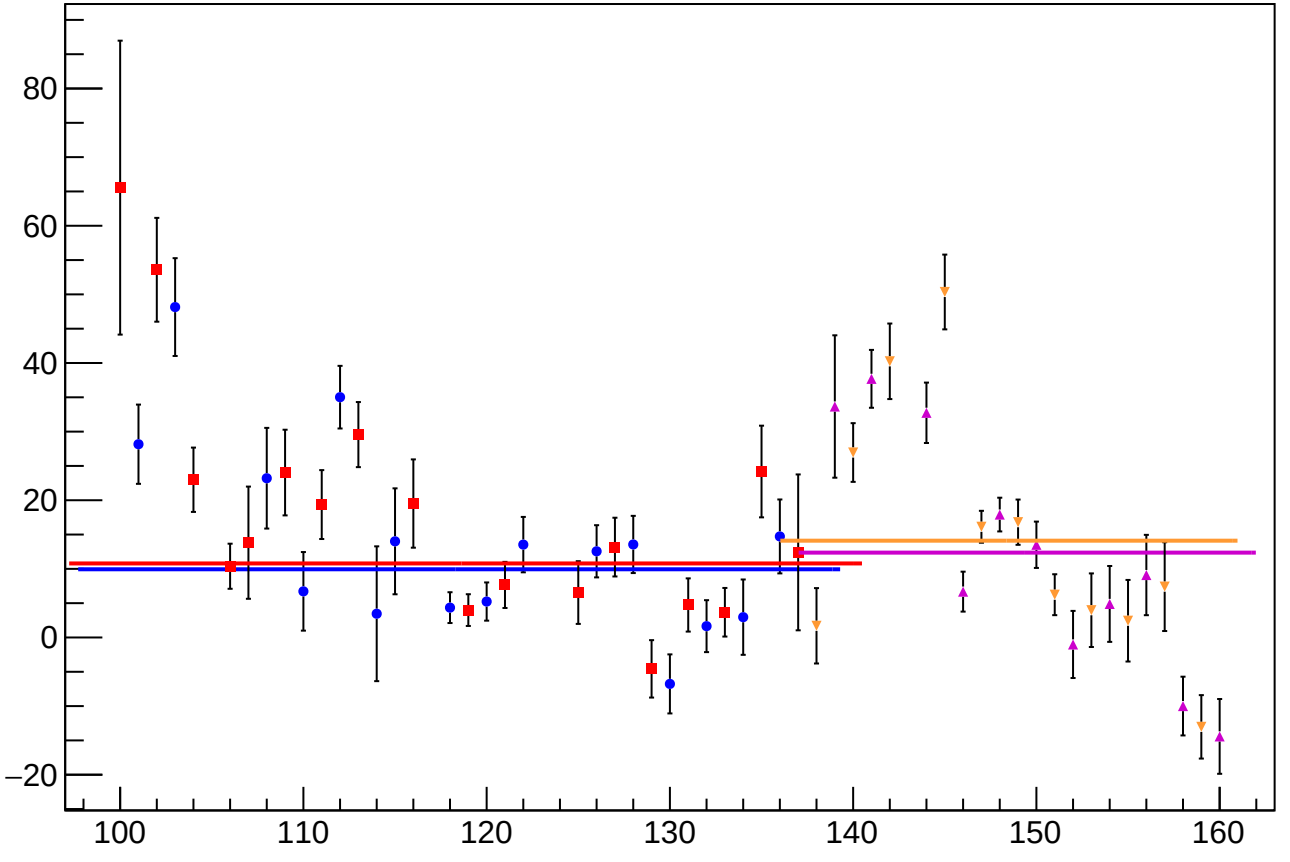
Left In: -328.327+/-1.865 χ^2/NDF:27.4/10

\+ sign -235.702+/-0.930 χ^2/NDF: 4777.8/26

All: -228.940+/-0.639 χ^2/NDF: 13228.9/55

\- 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: 14.106+/-1.215 χ^2/NDF:132.3/10

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

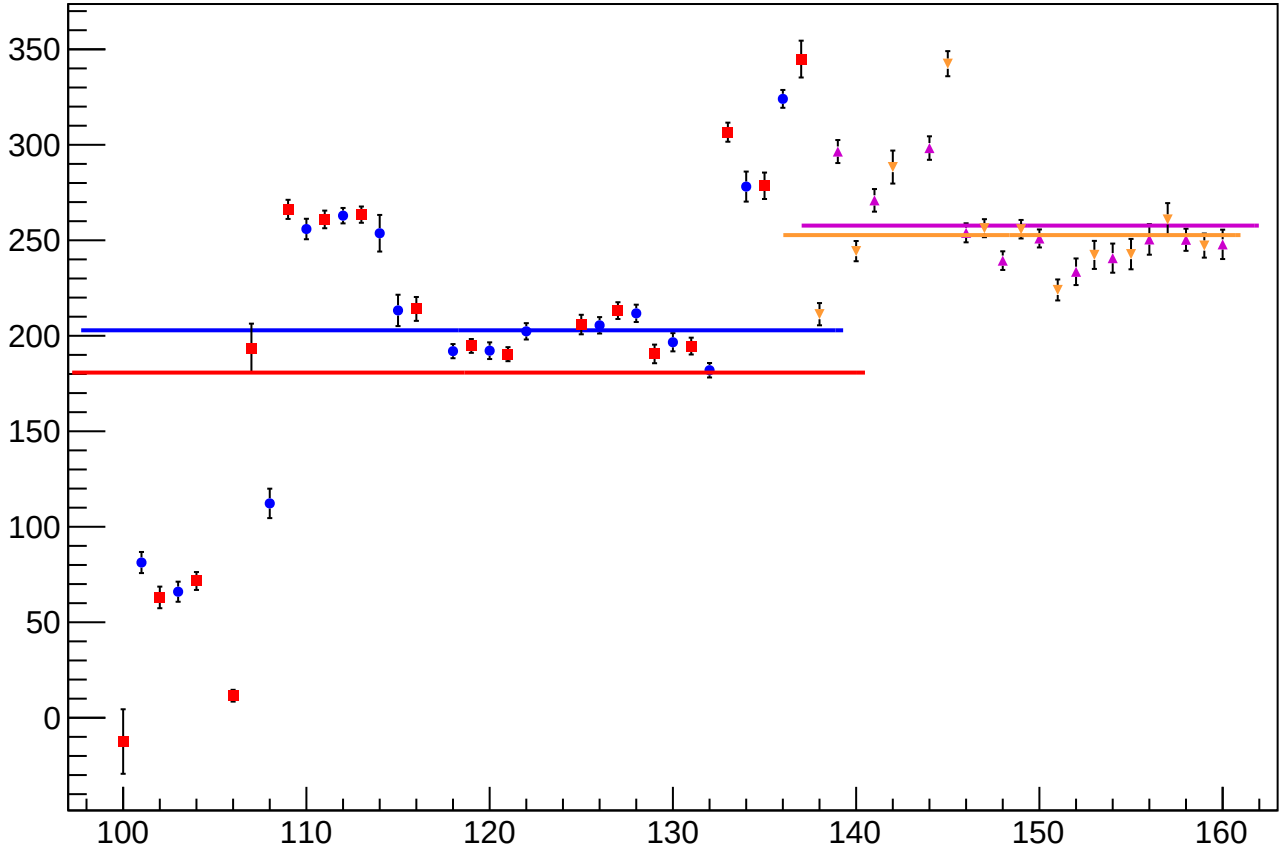
Left In: 12.365+/-1.212 χ^2/NDF:131.8/10

+ sign 11.750+/-0.801 χ^2/NDF: 245.5/26

All: 11.603+/-0.563 χ^2/NDF: 483.4/55

- 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: 252.724+/-1.840 χ^2/NDF:290.0/10

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

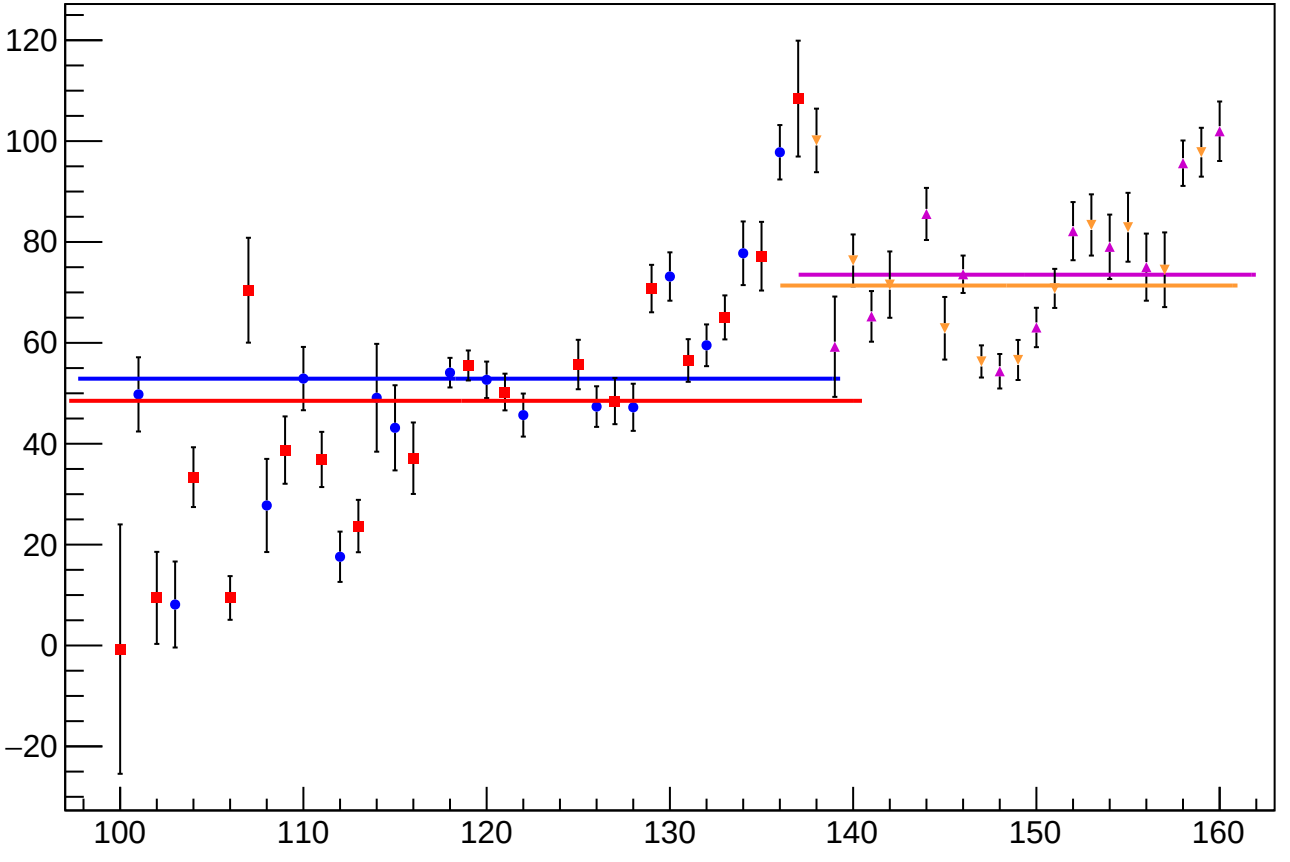
Left In: 257.699+/-1.796 χ^2/NDF:127.8/10

+ sign 218.192+/-1.020 χ^2/NDF: 3262.6/26

All: 210.136+/-0.701 χ^2/NDF: 11162.9/55

- 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: 71.368+/-1.491 χ^2/NDF:96.5/10

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

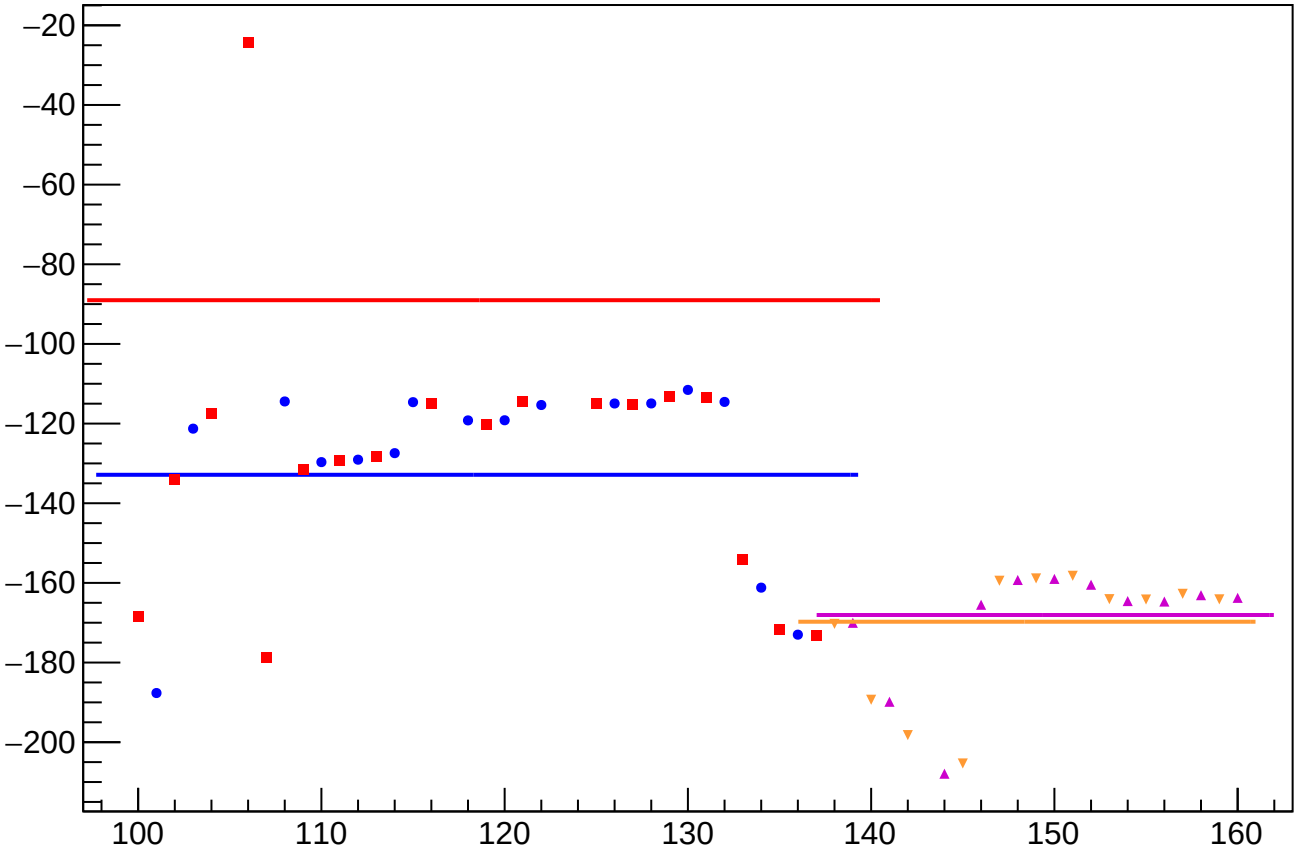
Left In: 73.513+/-1.464 χ^2/NDF:99.1/10

+ sign 60.463+/-0.954 χ^2/NDF: 385.4/26

All: 59.562+/-0.668 χ^2/NDF: 899.1/55

- 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: -169.750+/-0.073 χ^2/NDF:42268.4/10

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

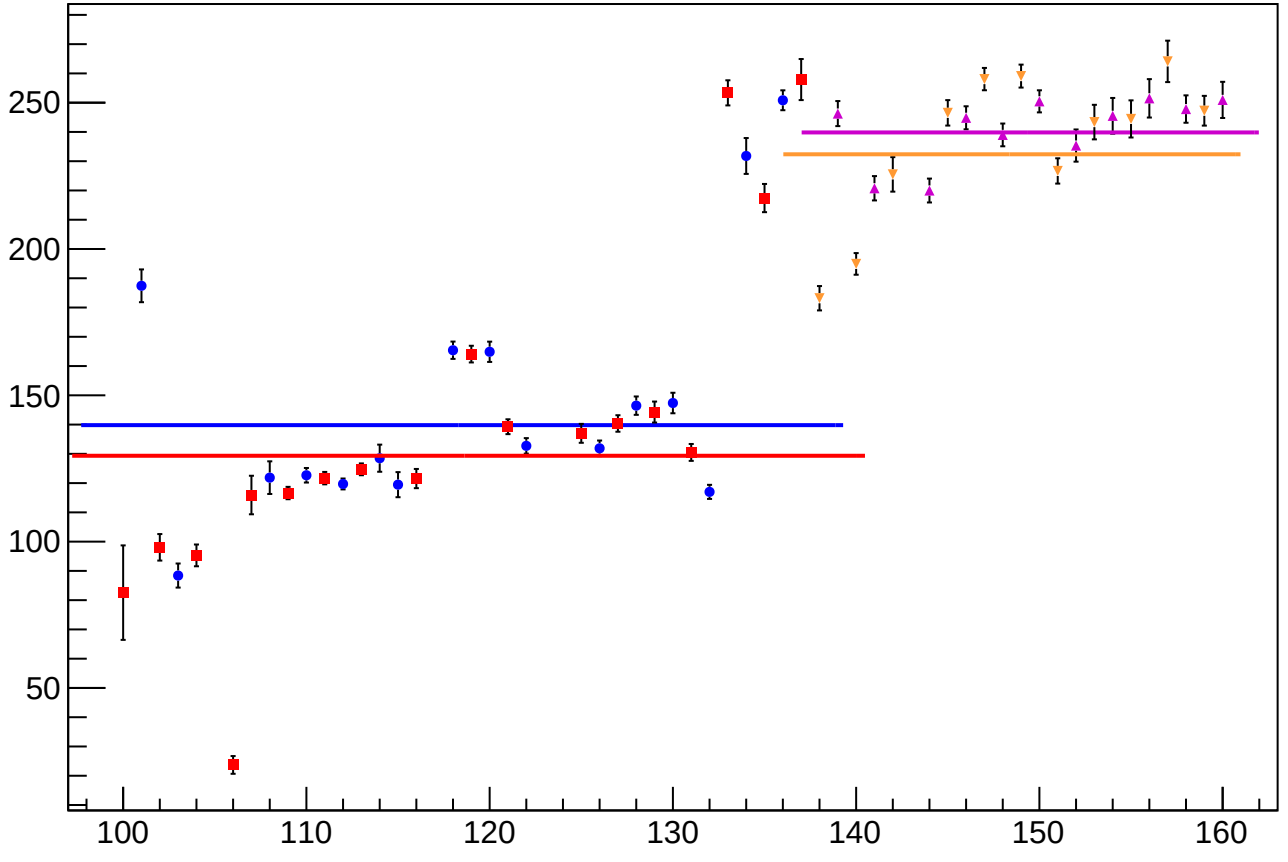
Left In: -168.060+/-0.069 χ^2/NDF:35507.7/10

+ sign -153.405+/-0.054 χ^2/NDF: 250316.1/26

All: -137.617+/-0.035 χ^2/NDF: 1867885.2/55

- 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: 232.362+/-1.398 χ^2/NDF:383.5/10

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

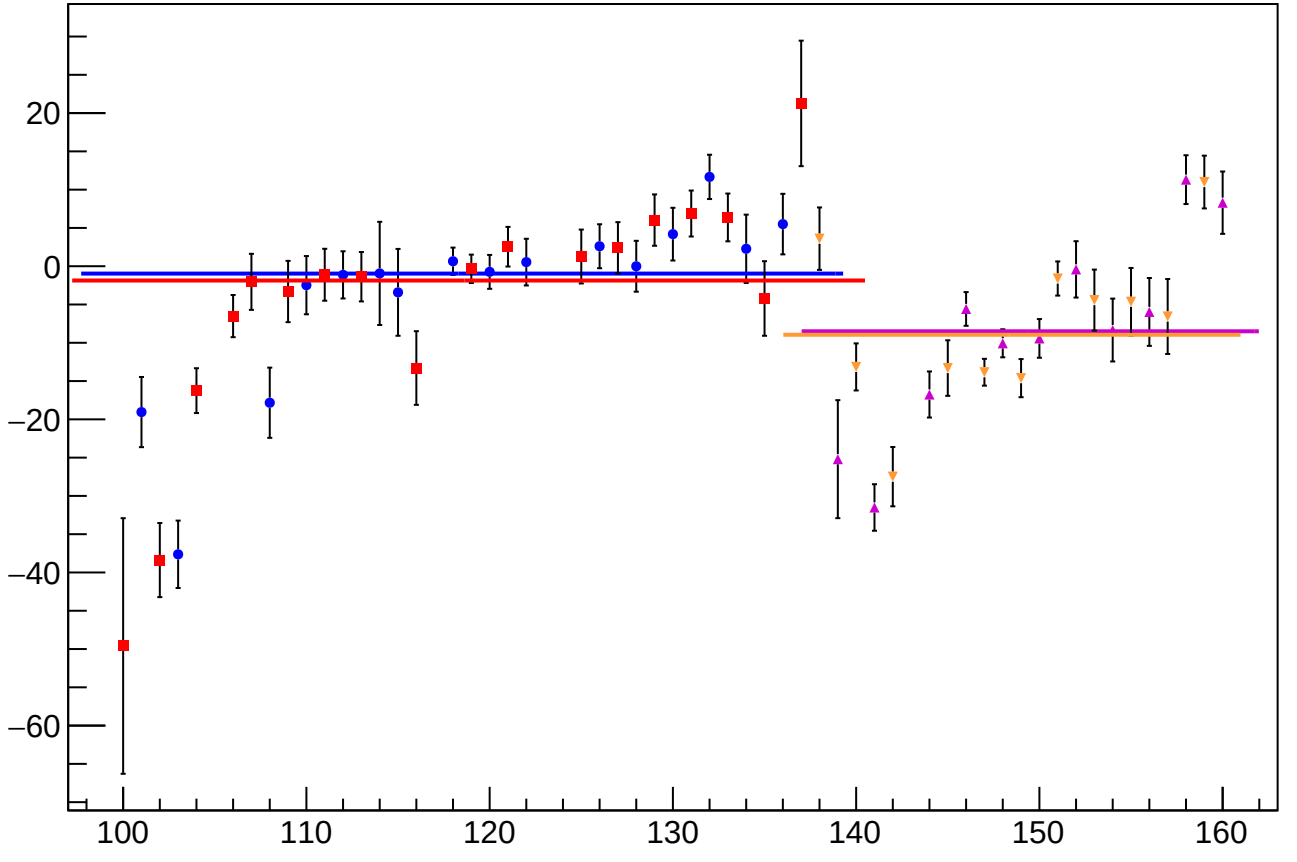
Left In: 239.830+/-1.376 χ^2/NDF:67.4/10

+ sign 161.985+/-0.684 χ^2/NDF: 5682.6/26

All: 157.691+/-0.470 χ^2/NDF: 13968.6/55

- 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: -8.953+/-0.899 χ^2/NDF:95.5/10

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

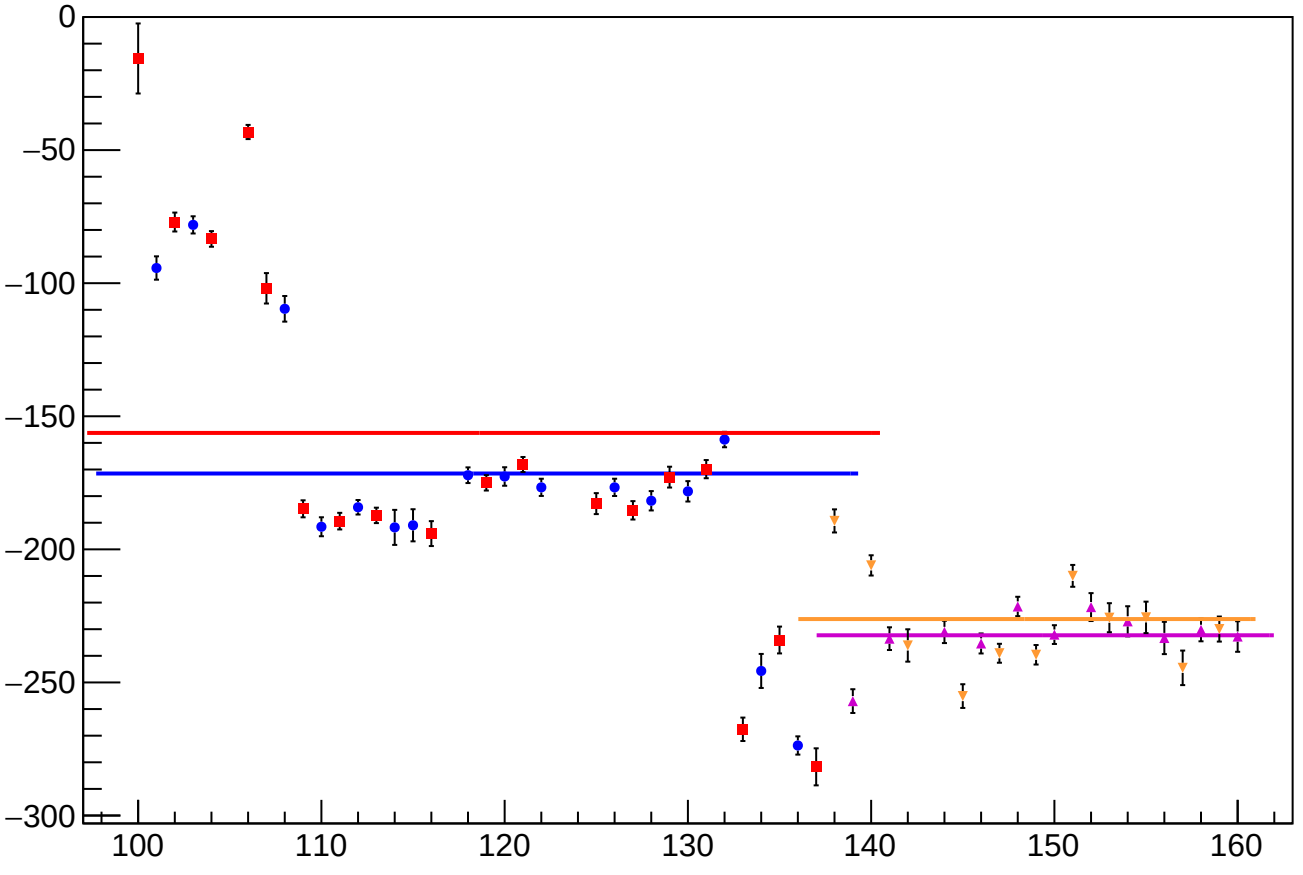
Left In: -8.500+/-0.898 χ^2/NDF:133.0/10

+ sign -4.534+/-0.601 χ^2/NDF: 265.2/26

All: -4.636+/-0.421 χ^2/NDF: 562.4/55

- 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: -226.187+/-1.356 χ^2/NDF:195.8/10

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

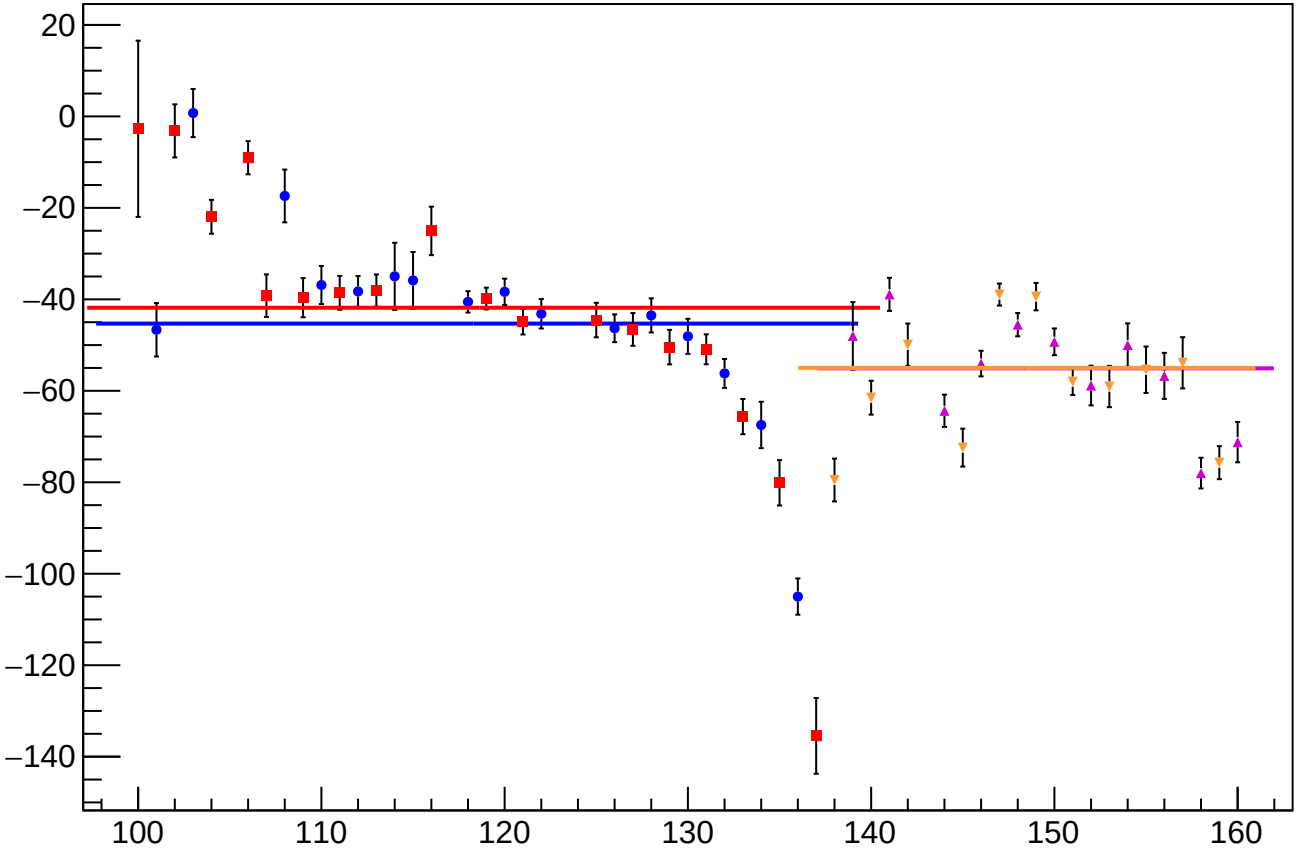
Left In: -232.282+/-1.328 χ^2/NDF:45.6/10

+ sign -188.396+/-0.754 χ^2/NDF: 3761.7/26

All: -183.056+/-0.518 χ^2/NDF: 11136.6/55

- 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: -54.987+/-1.102 χ^2/NDF:155.8/10

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

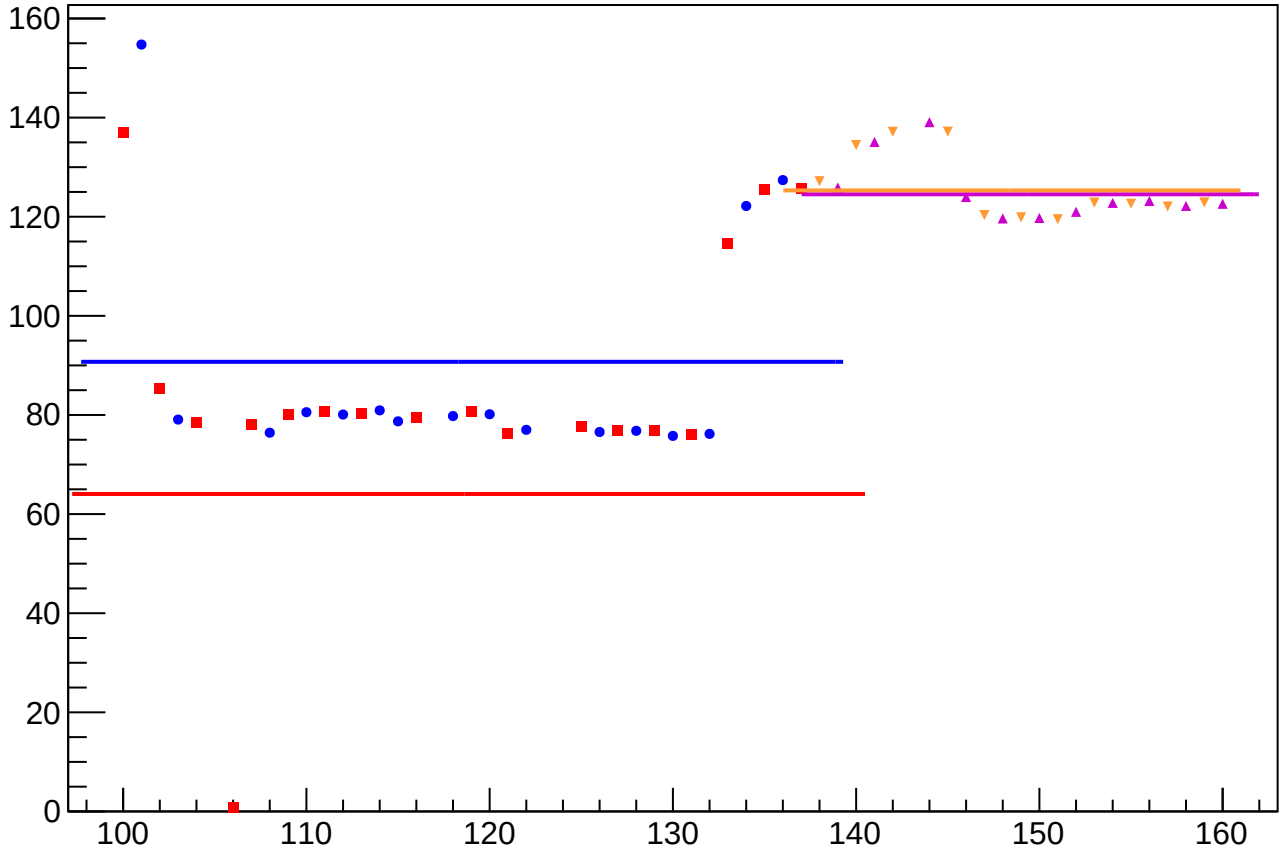
Left In: -55.087+/-1.084 χ^2/NDF:108.1/10

\+ sign -49.371+/-0.714 χ^2/NDF: 582.7/26

All: -48.313+/-0.499 χ^2/NDF: 1197.0/55

\- 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: 125.313+/-0.054 χ^2/NDF:14076.5/10

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

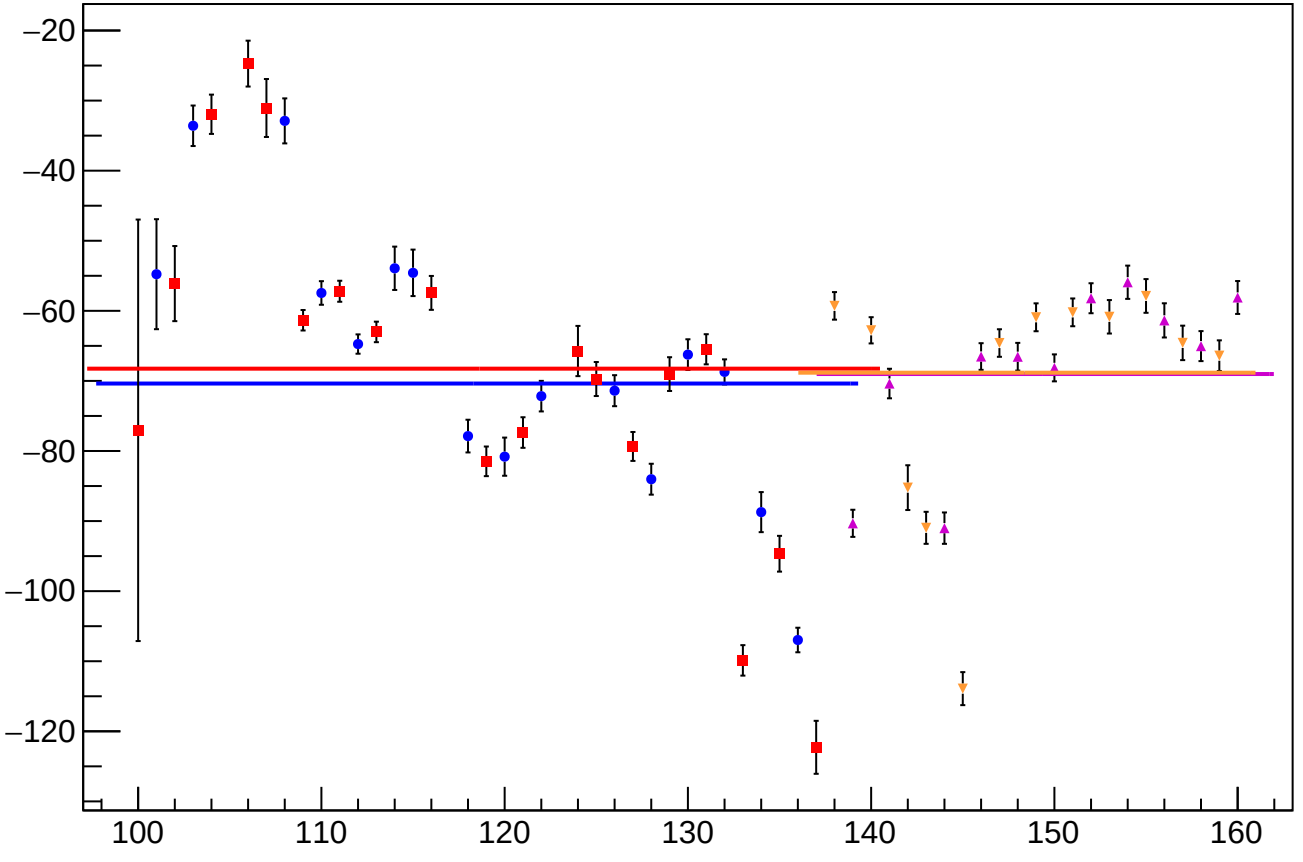
Left In: 124.527+/-0.051 χ^2/NDF:12750.4/10

+ sign 109.540+/-0.039 χ^2/NDF: 365482.9/26

All: 100.517+/-0.026 χ^2/NDF: 1859675.2/55

- 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: -68.827+/-0.632 χ^2/NDF:595.9/11

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

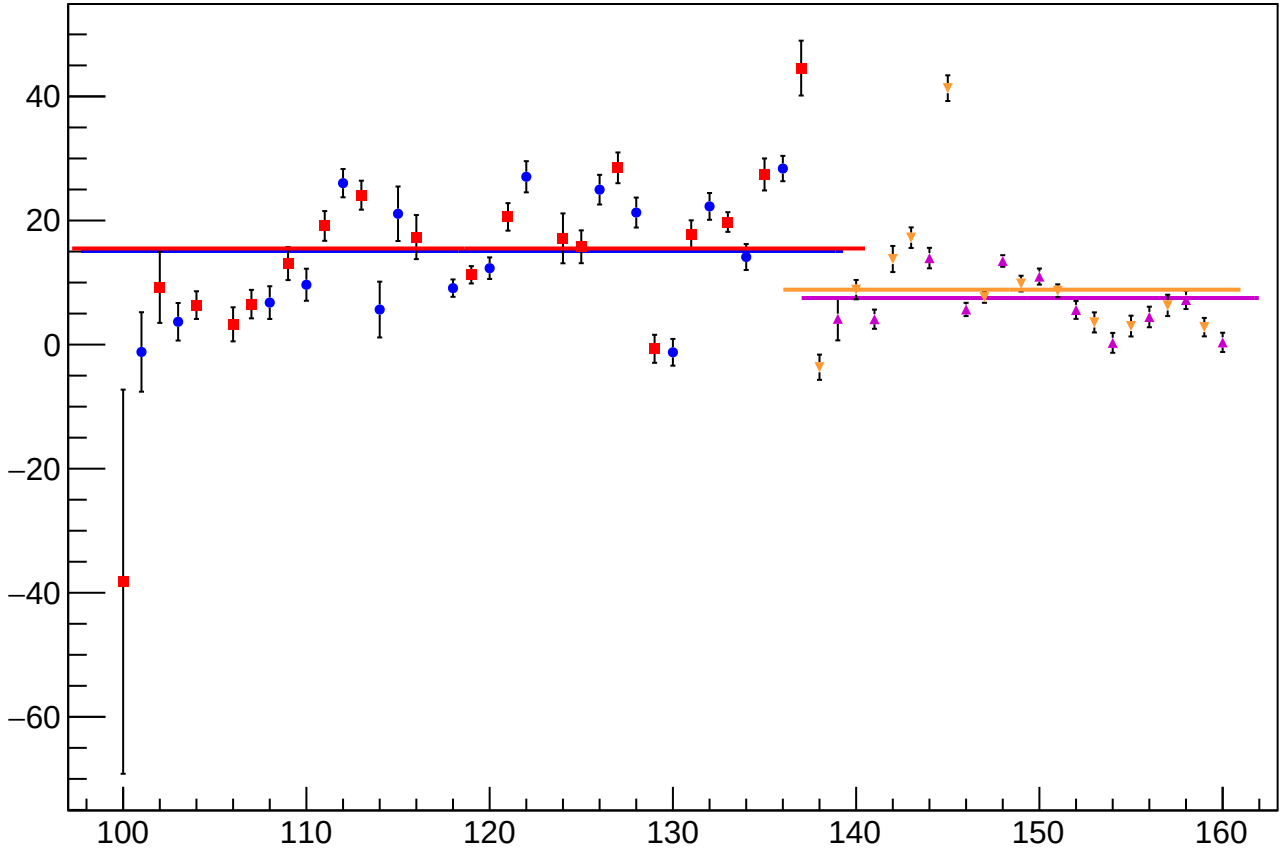
Left In: -69.017+/-0.638 χ^2/NDF:312.6/10

\+ sign -69.697+/-0.418 χ^2/NDF: 1574.2/27

All: -69.113+/-0.291 χ^2/NDF: 3197.4/57

\- 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: 8.855+/-0.416 χ^2/NDF:359.2/11

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

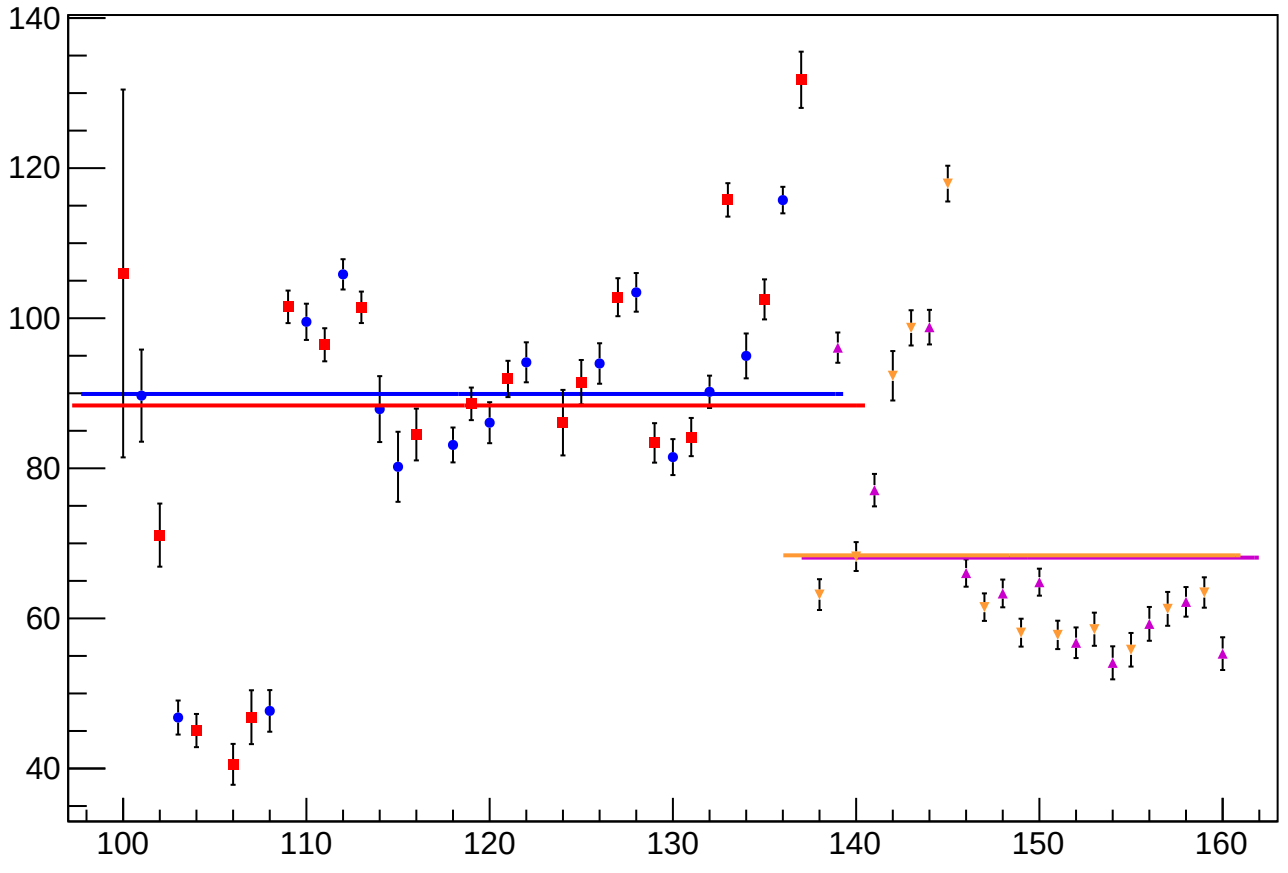
Left In: 7.509+/-0.422 χ^2/NDF:118.8/10

+ sign 10.968+/-0.338 χ^2/NDF: 677.9/27

All: 10.690+/-0.239 χ^2/NDF: 1167.4/57

- 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: 68.405+/-0.612 χ^2/NDF:801.4/11

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

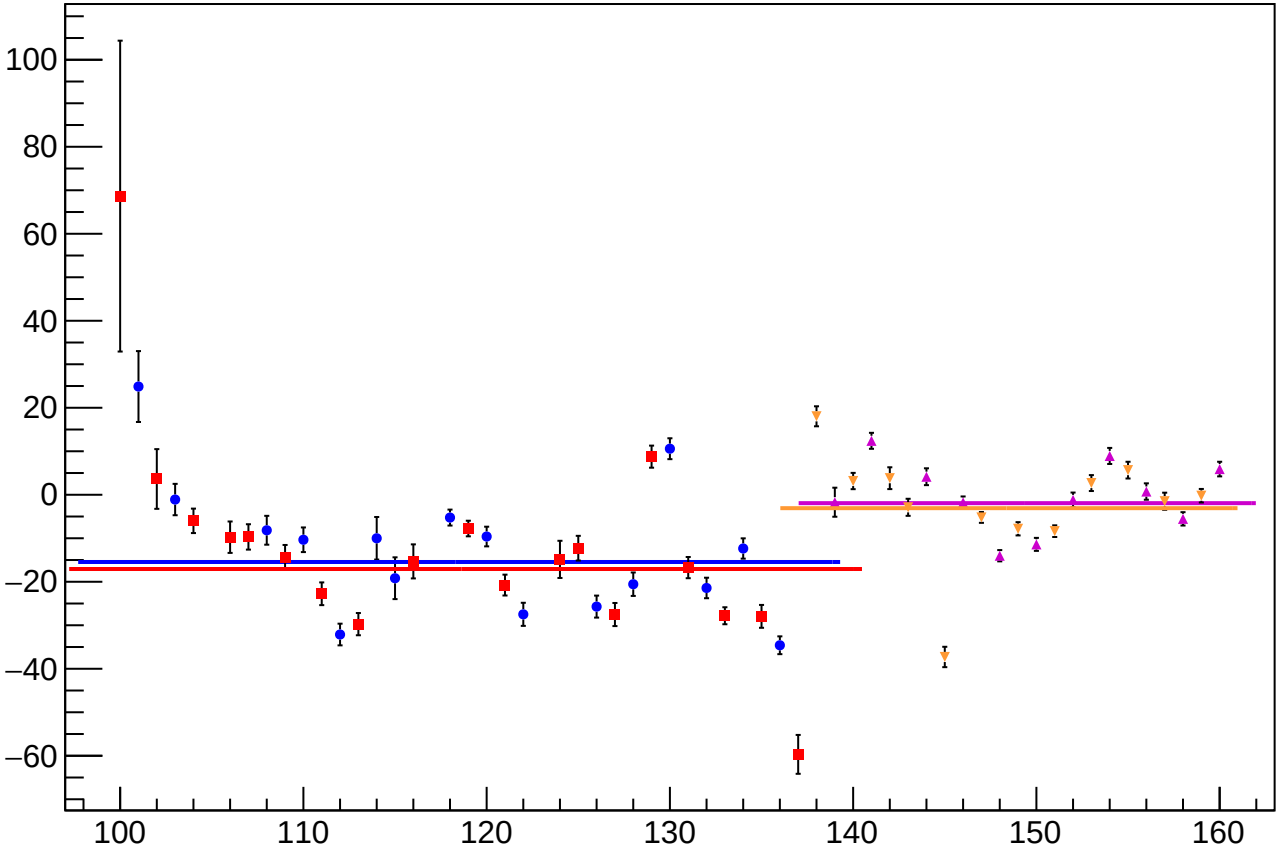
Left In: 68.100+/-0.613 χ^2/NDF:528.7/10

+ sign 78.668+/-0.443 χ^2/NDF: 2337.9/27

All: 78.412+/-0.310 χ^2/NDF: 4699.2/57

- 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: -3.083+/-0.503 χ^2/NDF:379.1/11

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

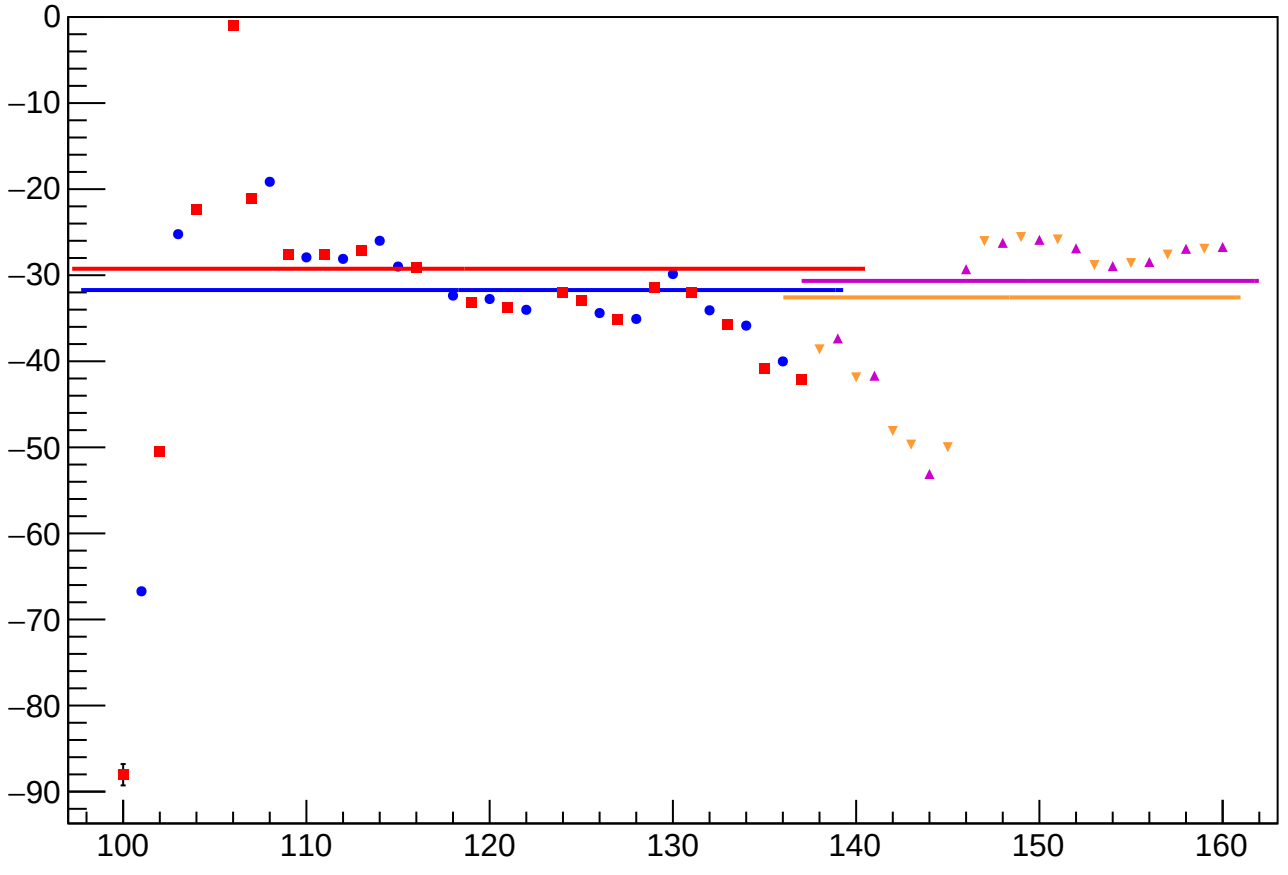
Left In: -1.928+/-0.504 χ^2/NDF:261.7/10

\+ sign -7.582+/-0.401 χ^2/NDF: 985.5/27

All: -7.633+/-0.282 χ^2/NDF: 1951.0/57

\- sign -7.683+/-0.397 χ^2/NDF: 965.5/29

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -32.579+/-0.024 χ^2/NDF:134698.7/11

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

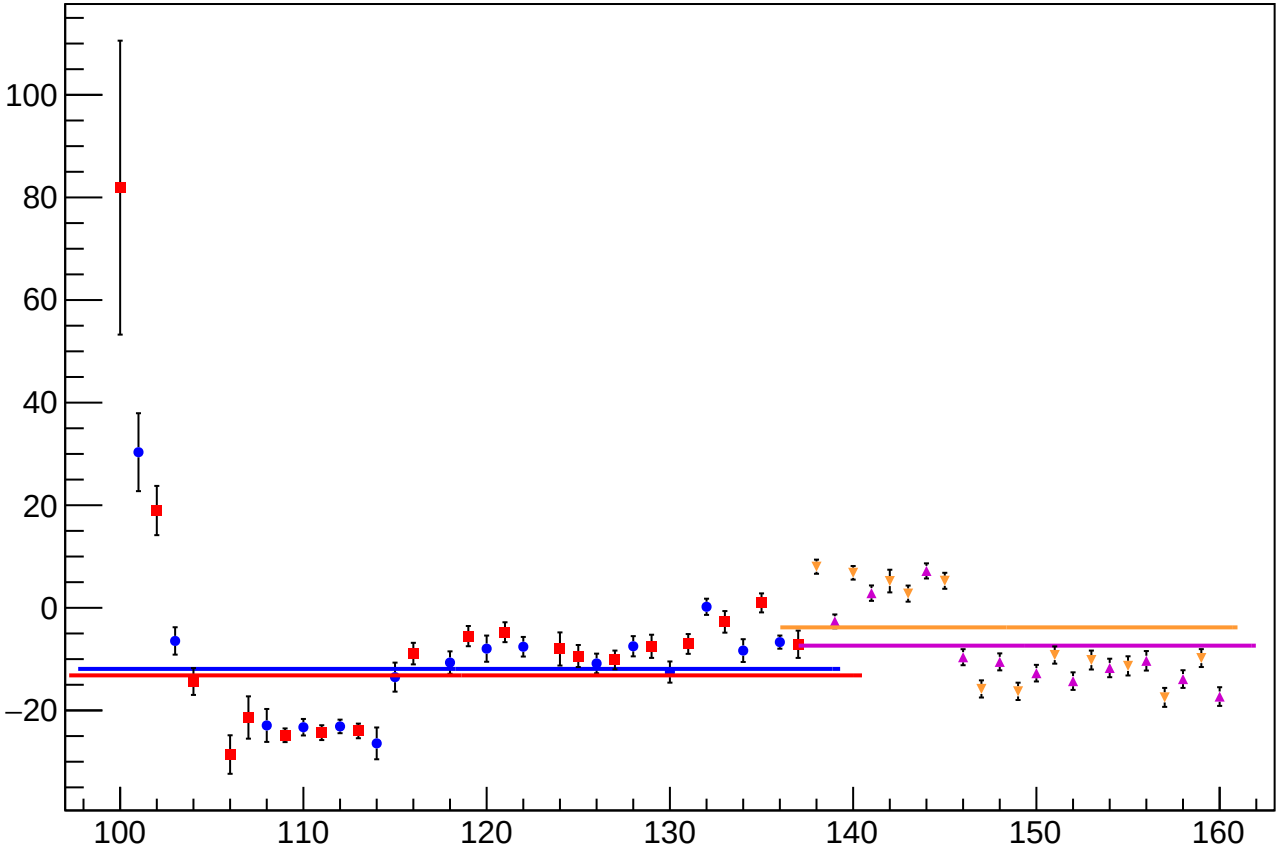
Left In: -30.660+/-0.023 χ^2/NDF:89171.0/10

+ sign -32.346+/-0.020 χ^2/NDF: 174693.1/27

All: -31.299+/-0.014 χ^2/NDF: 365424.6/57

- 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: -3.810+/-0.478 χ^2/NDF:417.0/11

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

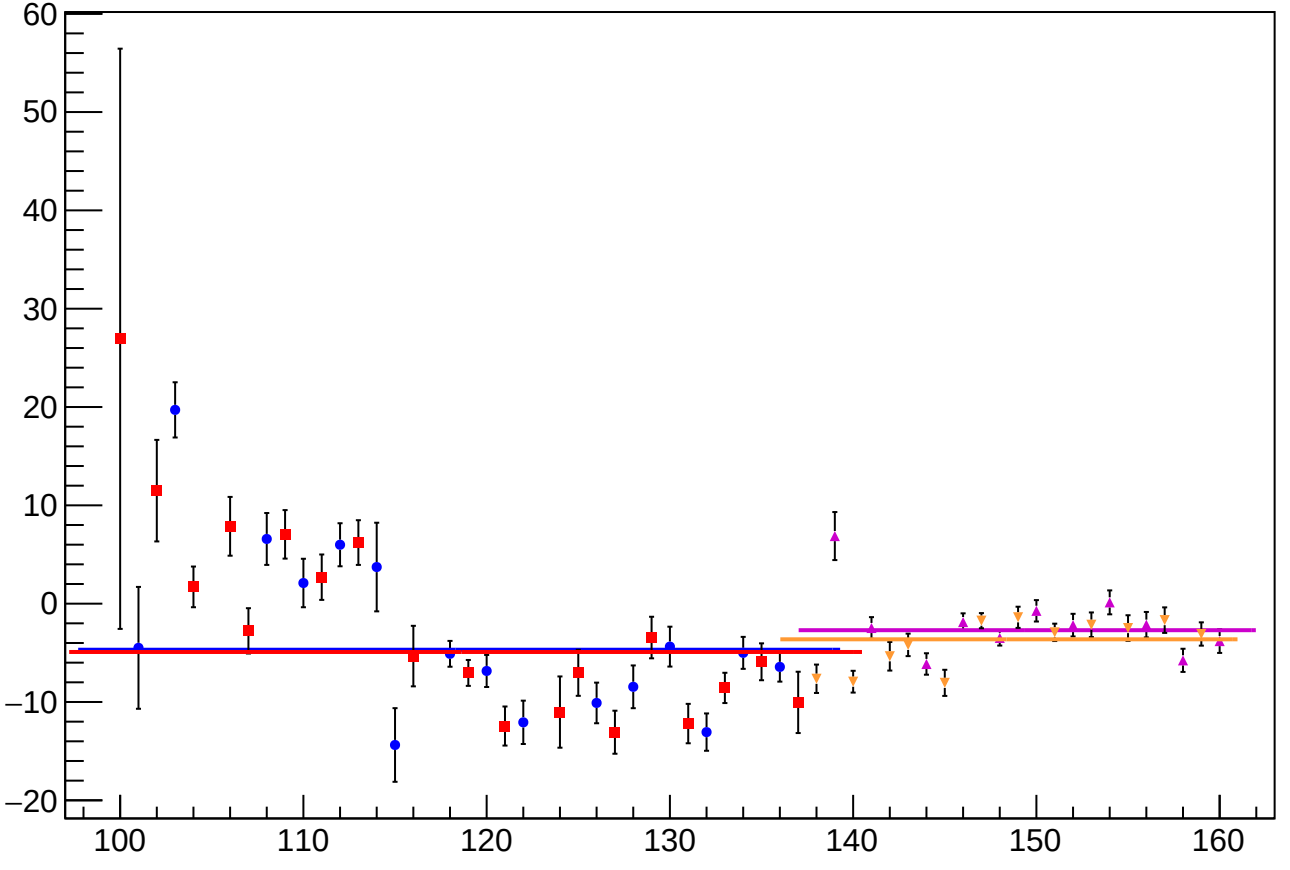
Left In: -7.373+/-0.490 χ^2/NDF:241.5/10

+ sign -7.700+/-0.344 χ^2/NDF: 837.1/27

All: -9.020+/-0.243 χ^2/NDF: 1600.8/57

- 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: -3.626+/-0.325 χ^2/NDF:51.3/11

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

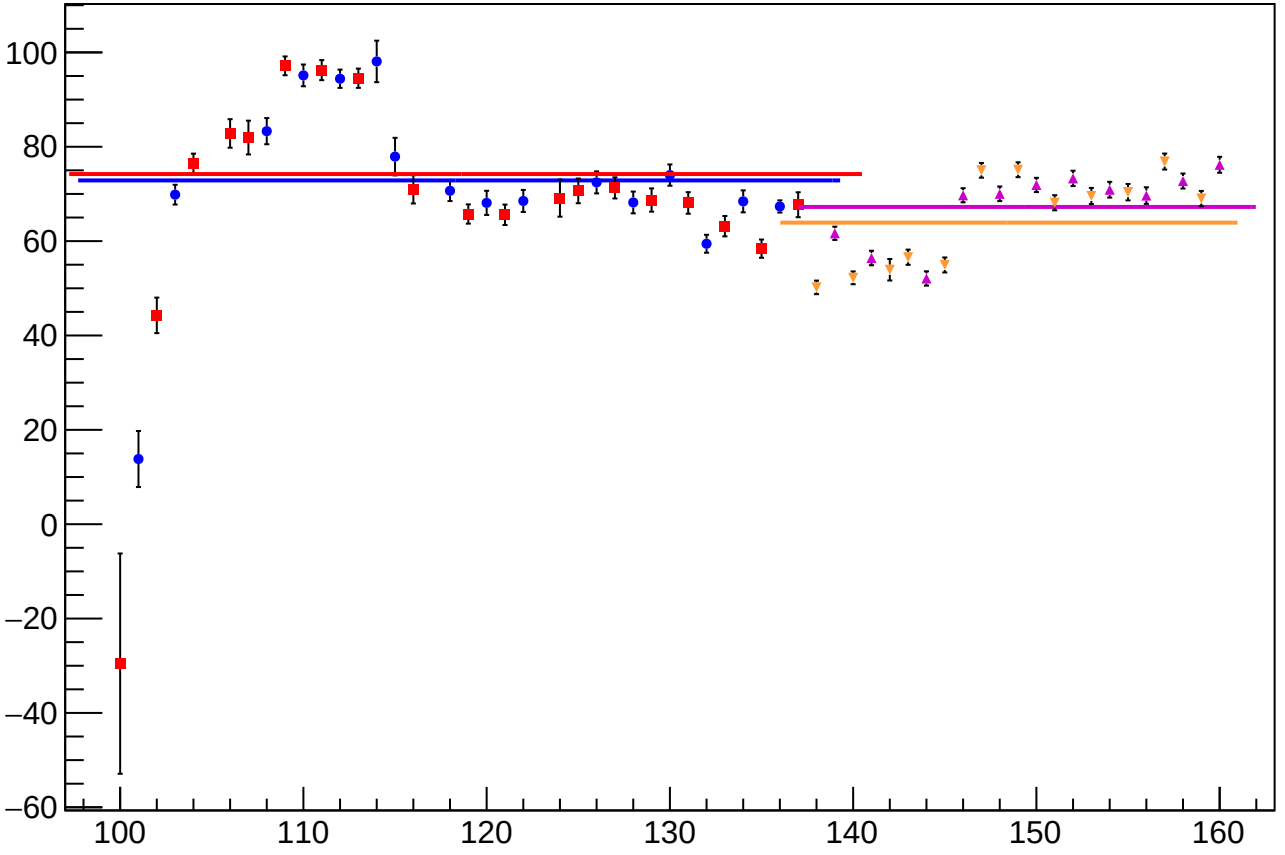
Left In: -2.698+/-0.333 χ^2/NDF:43.9/10

+ sign -3.926+/-0.275 χ^2/NDF: 233.4/27

All: -3.645+/-0.196 χ^2/NDF: 448.4/57

- 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: 63.920+/-0.466 χ^2/NDF:437.1/11

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

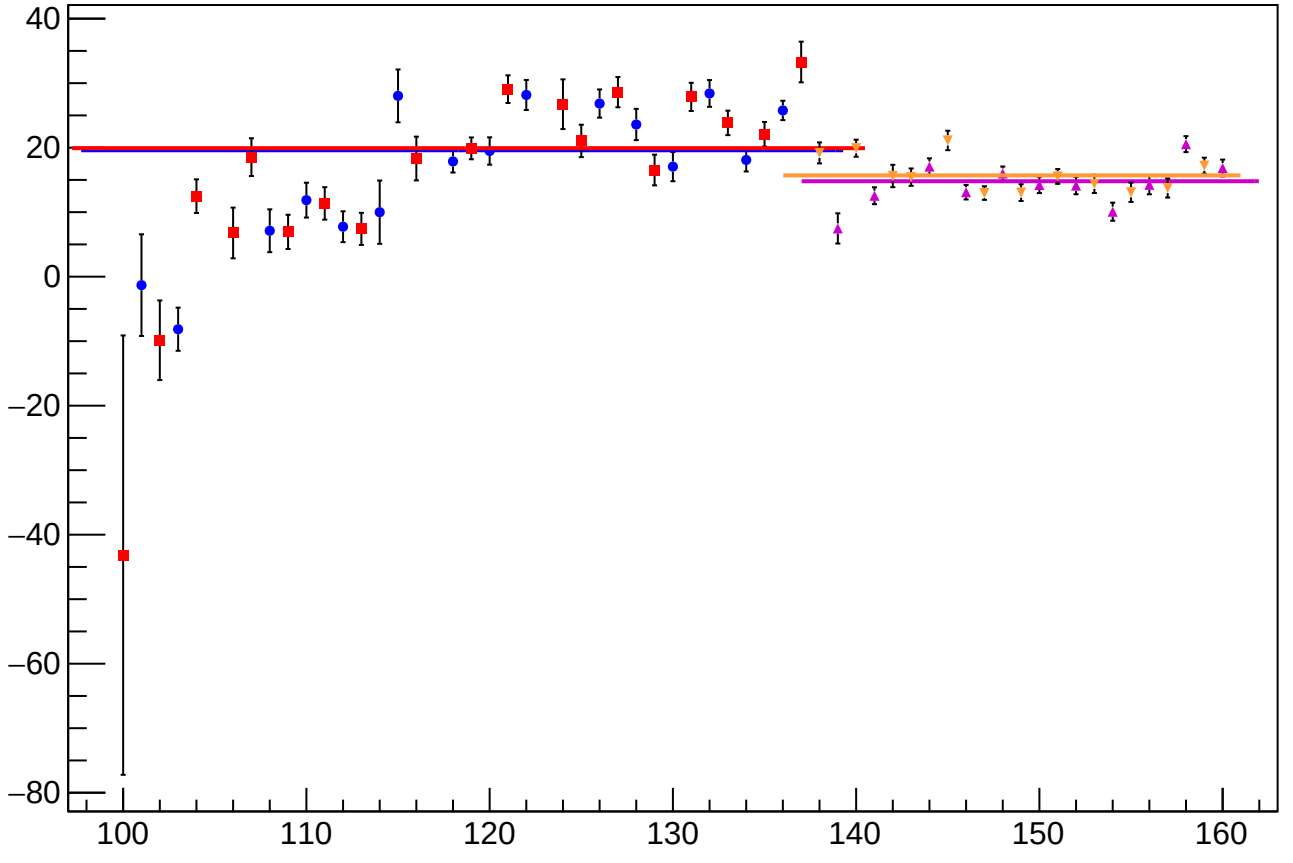
Left In: 67.247+/-0.473 χ^2/NDF:240.5/10

+ sign 67.542+/-0.360 χ^2/NDF: 1036.8/27

All: 68.831+/-0.255 χ^2/NDF: 1979.4/57

- 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: 15.701+/-0.390 χ^2/NDF:45.8/11

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

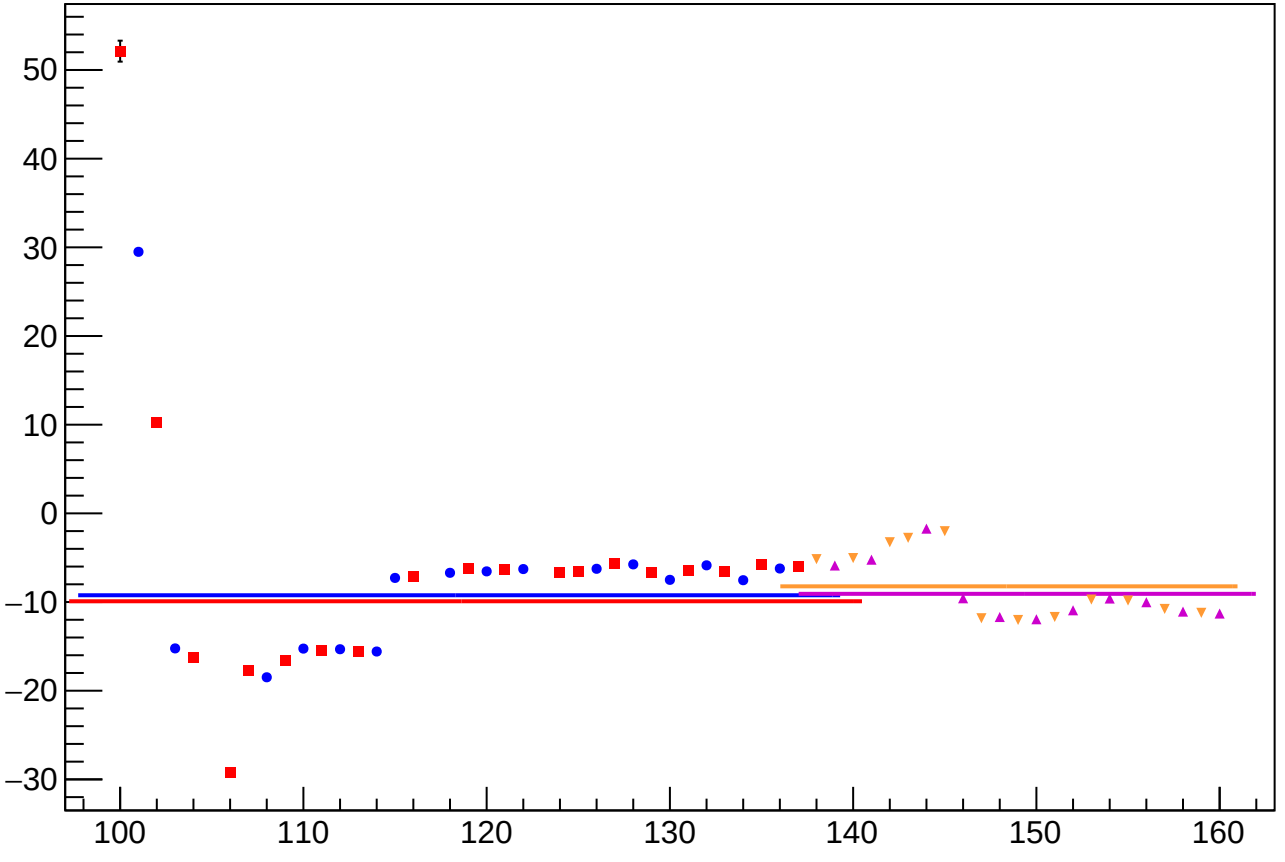
Left In: 14.796+/-0.395 χ^2/NDF:55.4/10

+ sign 16.899+/-0.325 χ^2/NDF: 272.5/27

All: 16.652+/-0.231 χ^2/NDF: 563.0/57

- 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: -8.229+/-0.018 χ^2/NDF:40483.5/11

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

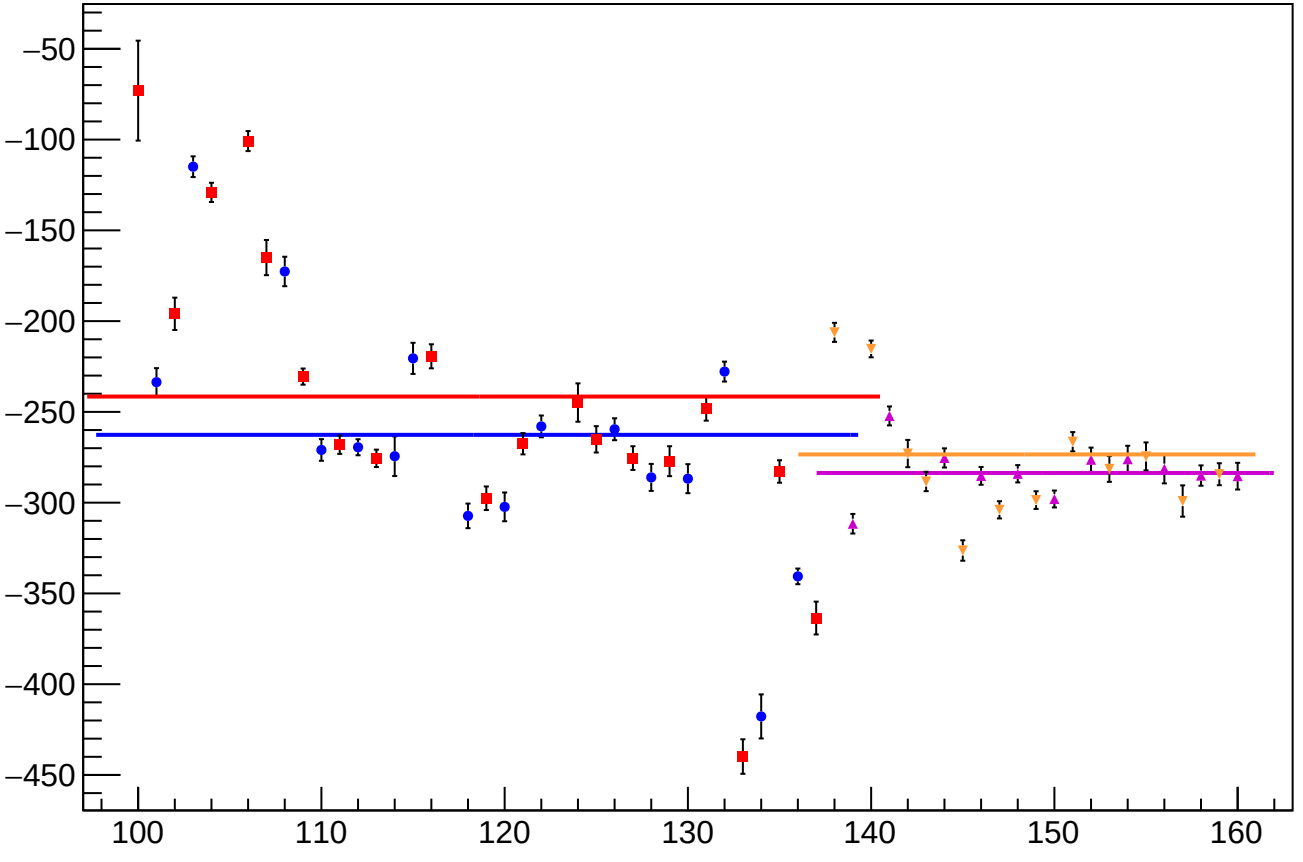
Left In: -9.075+/-0.018 χ^2/NDF:27596.8/10

+ sign -8.461+/-0.016 χ^2/NDF: 72364.5/27

All: -8.855+/-0.011 χ^2/NDF: 155548.2/57

- 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: -273.428+/-1.651 χ^2/NDF:502.1/11

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

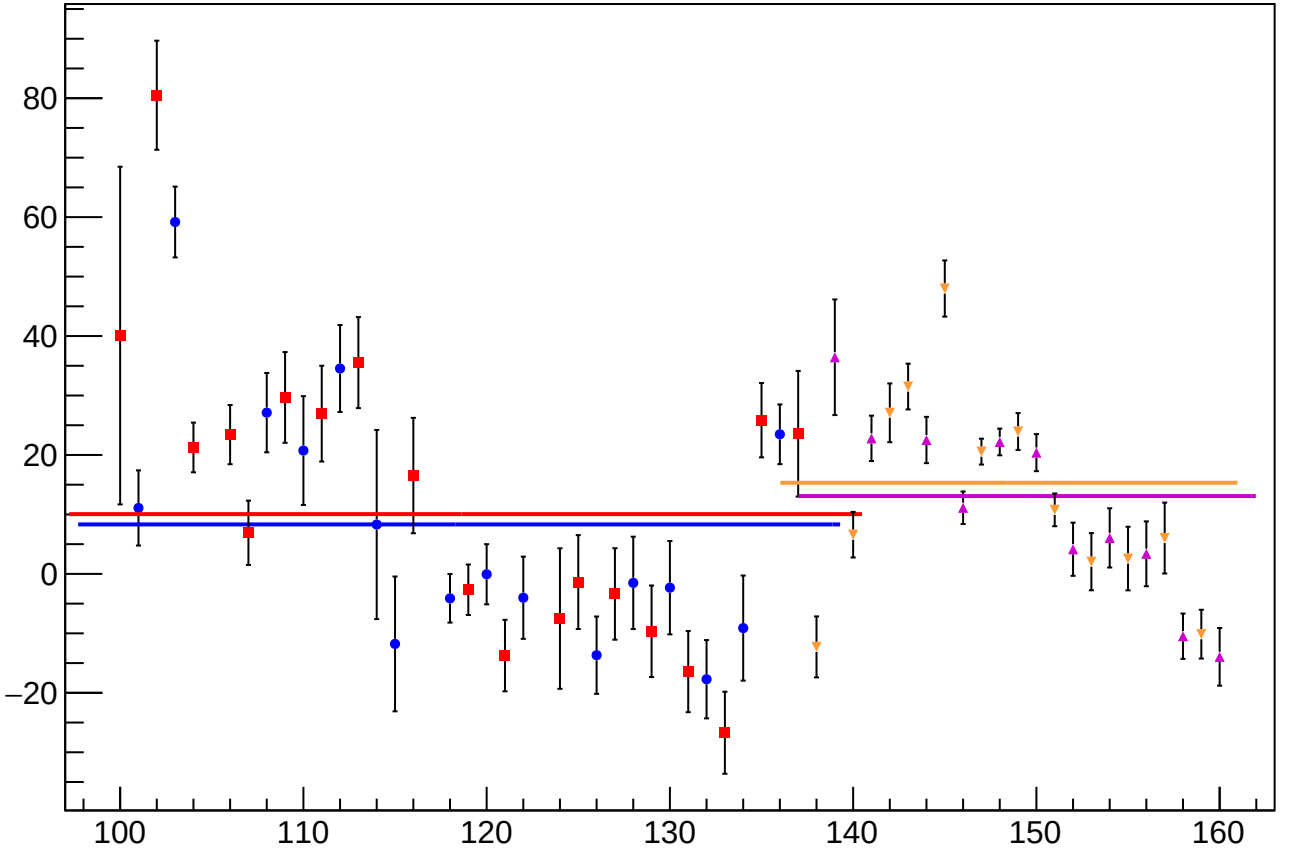
Left In: -283.641+/-1.703 χ^2/NDF:77.5/10

+ sign -267.913+/-1.154 χ^2/NDF: 1978.3/27

All: -263.879+/-0.807 χ^2/NDF: 4561.0/57

- 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: 15.330+/-1.071 χ^2/NDF:175.8/11

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

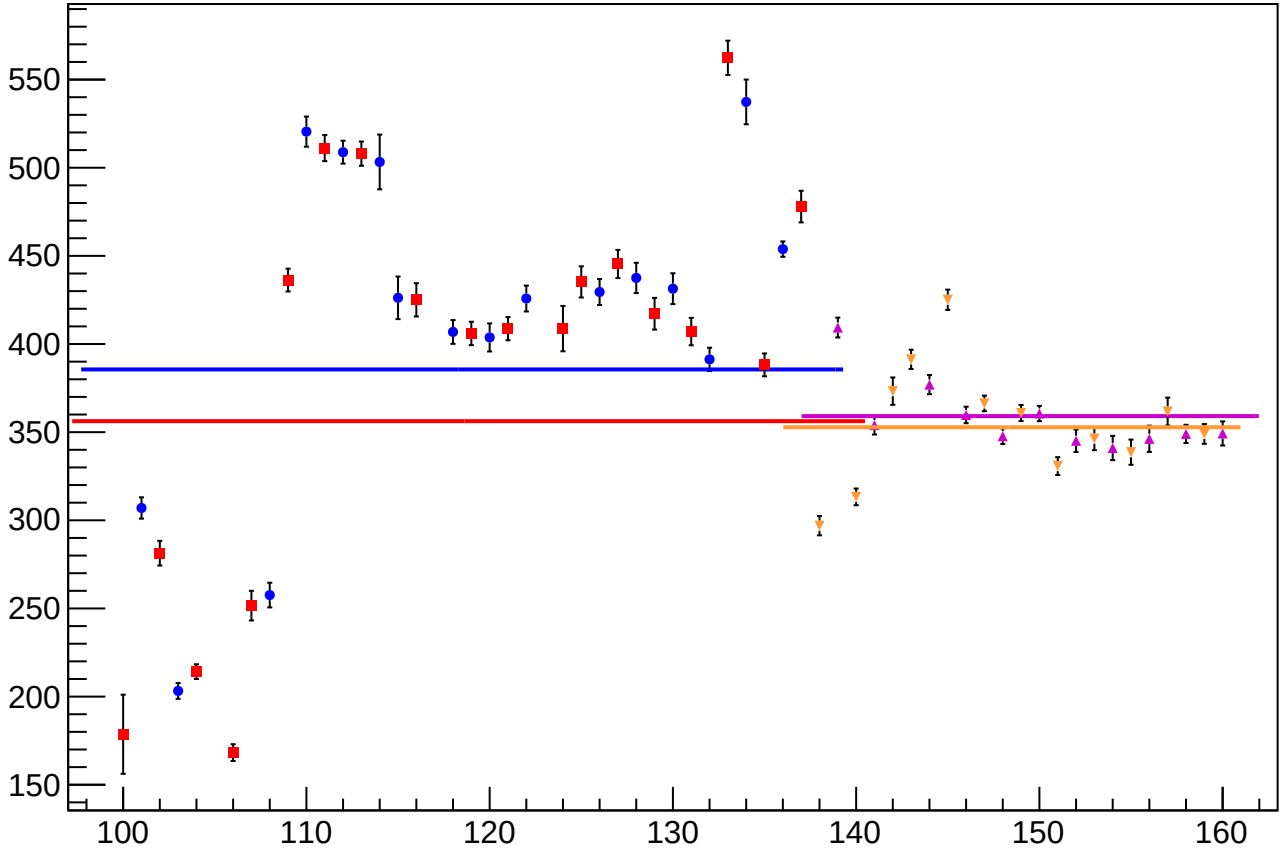
Left In: 13.088+/-1.107 χ^2/NDF:119.0/10

+ sign 13.242+/-0.897 χ^2/NDF: 346.2/27

All: 12.648+/-0.635 χ^2/NDF: 656.0/57

- 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: 352.790+/-1.608 χ^2/NDF:425.5/11

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

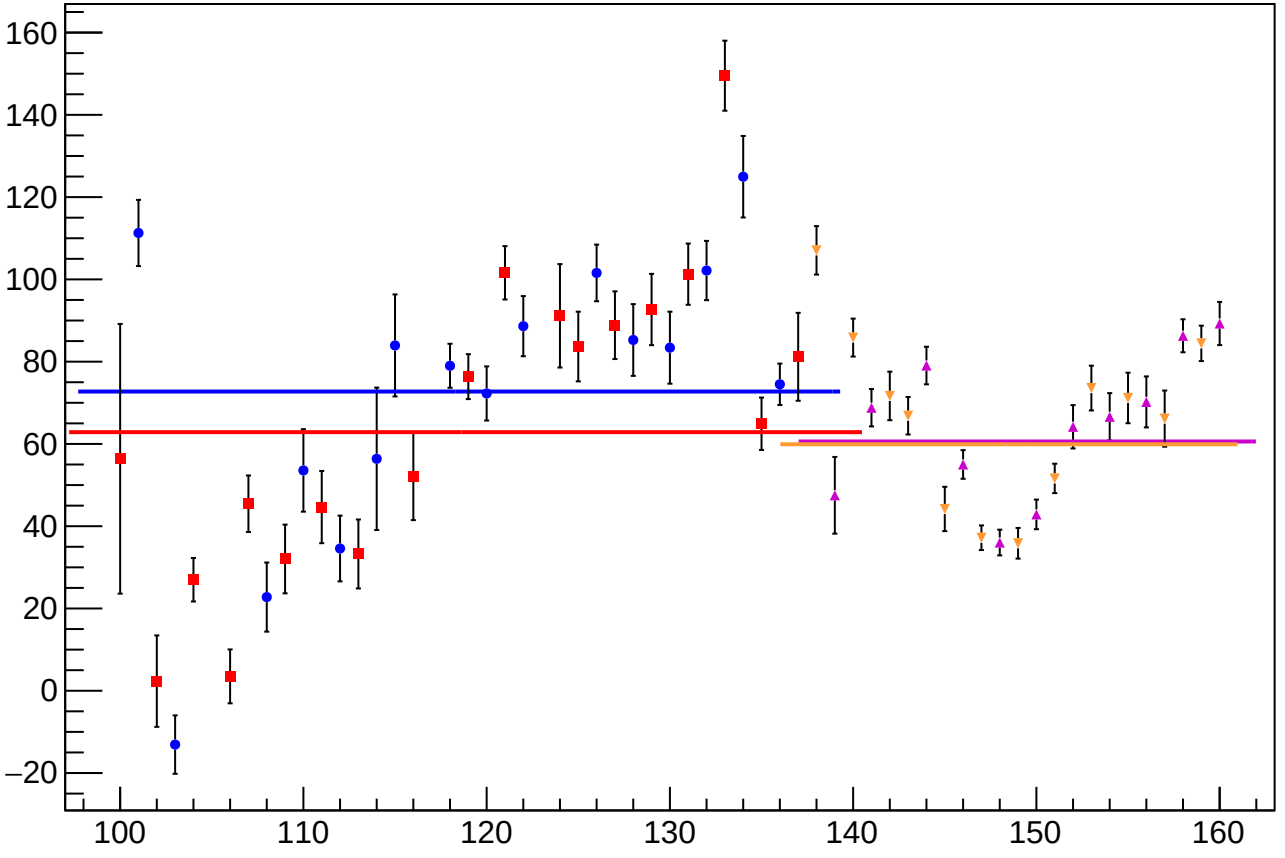
Left In: 359.115+/-1.641 χ^2/NDF:118.6/10

\+ sign 367.878+/-1.182 χ^2/NDF: 3990.0/27

All: 362.697+/-0.829 χ^2/NDF: 9418.2/57

\- 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: 59.919+/-1.307 χ^2/NDF:258.3/11

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

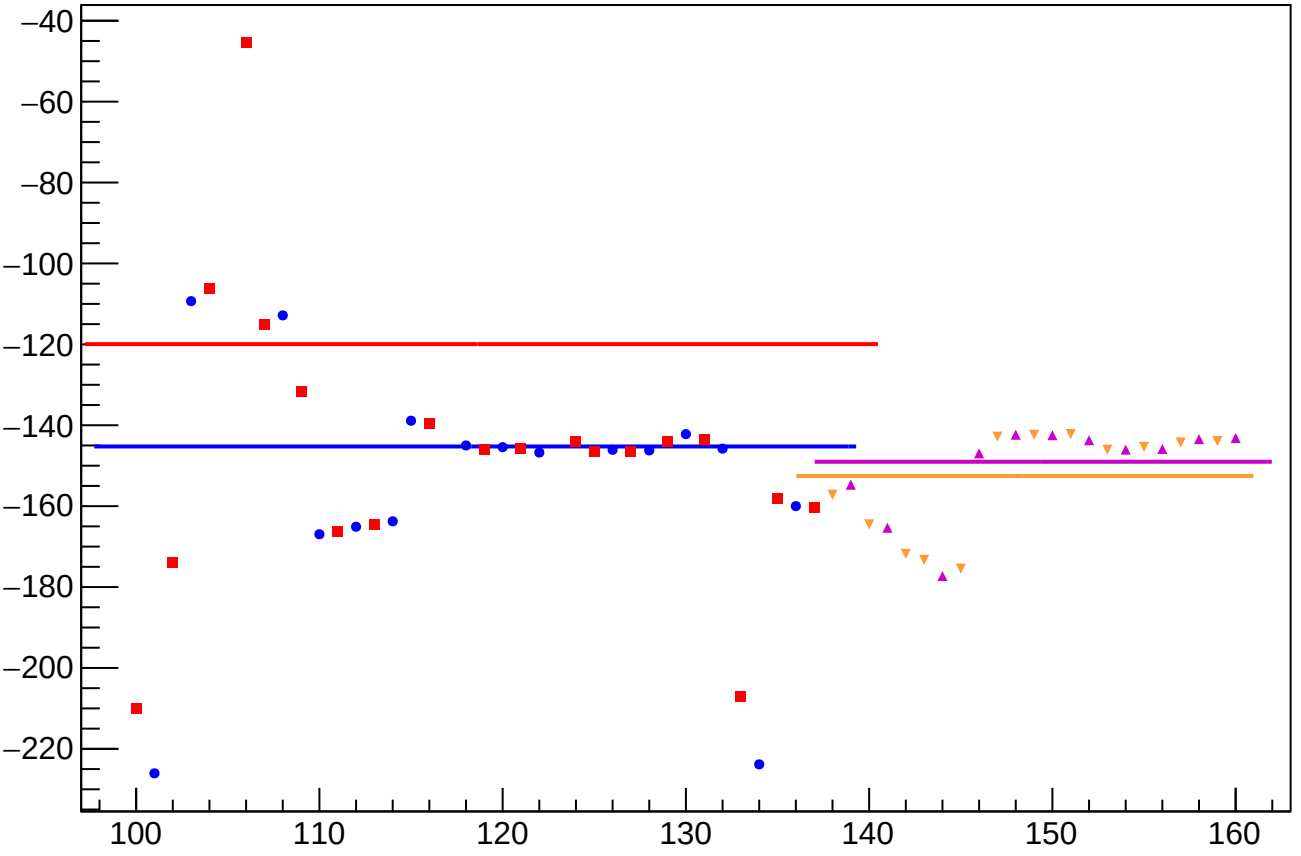
Left In: 60.593+/-1.336 χ^2/NDF:184.9/10

+ sign 64.048+/-1.077 χ^2/NDF: 593.5/27

All: 62.719+/-0.759 χ^2/NDF: 1186.1/57

- 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: -152.540+/-0.064 χ^2/NDF:38233.7/11

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

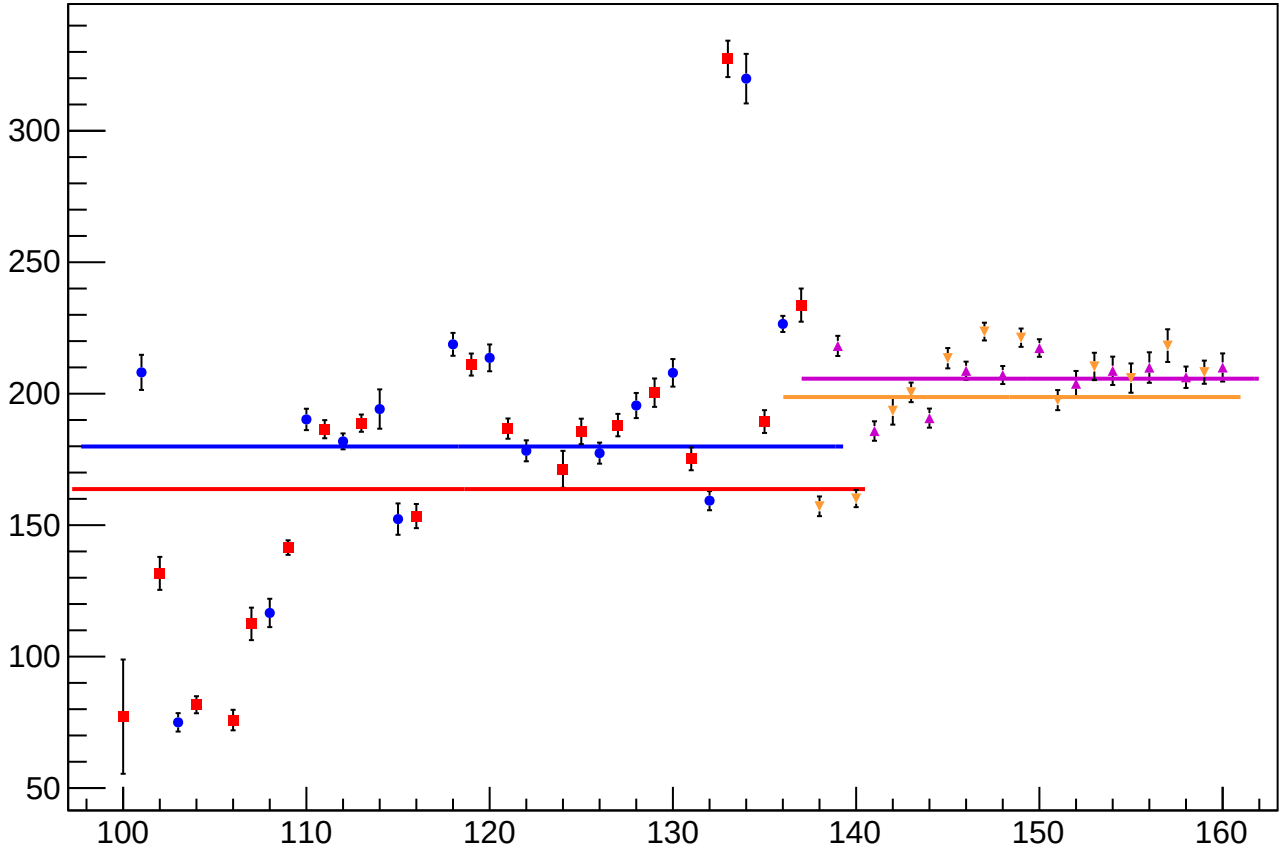
Left In: -149.025+/-0.063 χ^2/NDF:25097.3/10

+ sign -150.389+/-0.053 χ^2/NDF: 174170.0/27

All: -144.647+/-0.037 χ^2/NDF: 563100.9/57

- 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: 198.723+/-1.175 χ^2/NDF:395.0/11

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

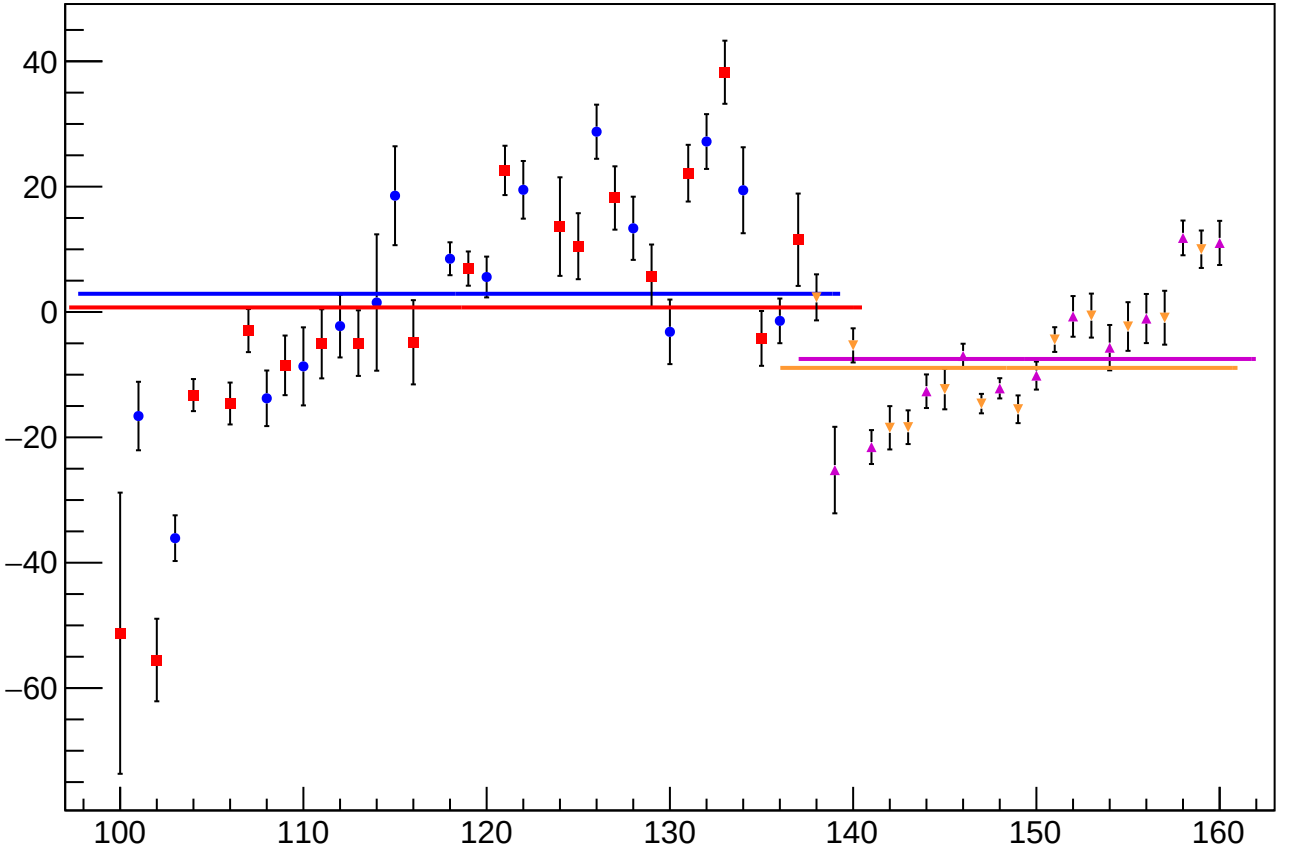
Left In: 205.711+/-1.217 χ^2/NDF:71.2/10

\+ sign 188.606+/-0.798 χ^2/NDF: 2265.6/27

All: 184.506+/-0.555 χ^2/NDF: 5515.2/57

\- sign 180.663+/-0.773 χ^2/NDF: 3198.6/29

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -8.916+/-0.763 χ^2/NDF:112.0/11

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

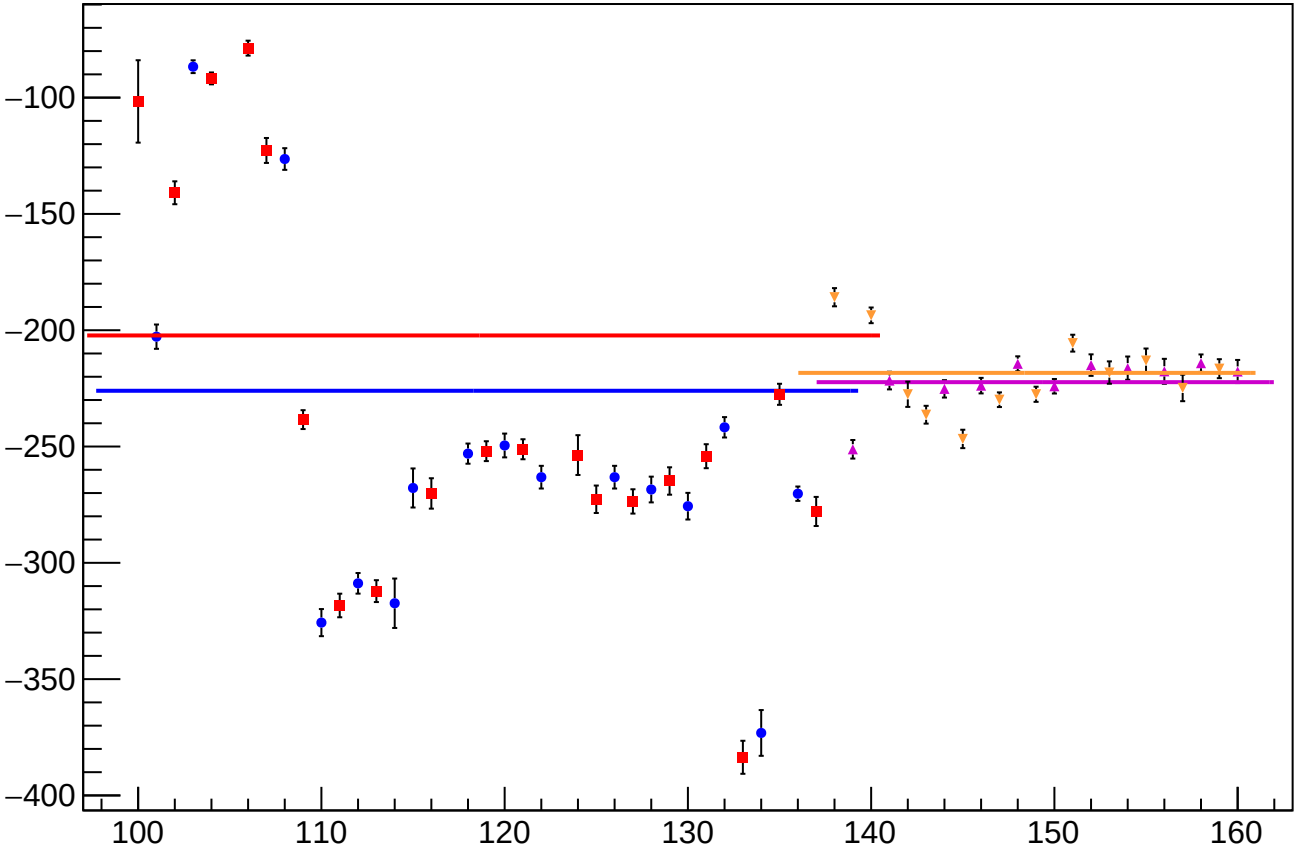
Left In: -7.493+/-0.793 χ^2/NDF:130.7/10

+ sign -5.097+/-0.628 χ^2/NDF: 437.1/27

All: -4.729+/-0.443 χ^2/NDF: 882.9/57

- 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: -218.336+/-1.146 χ^2/NDF:235.8/11

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

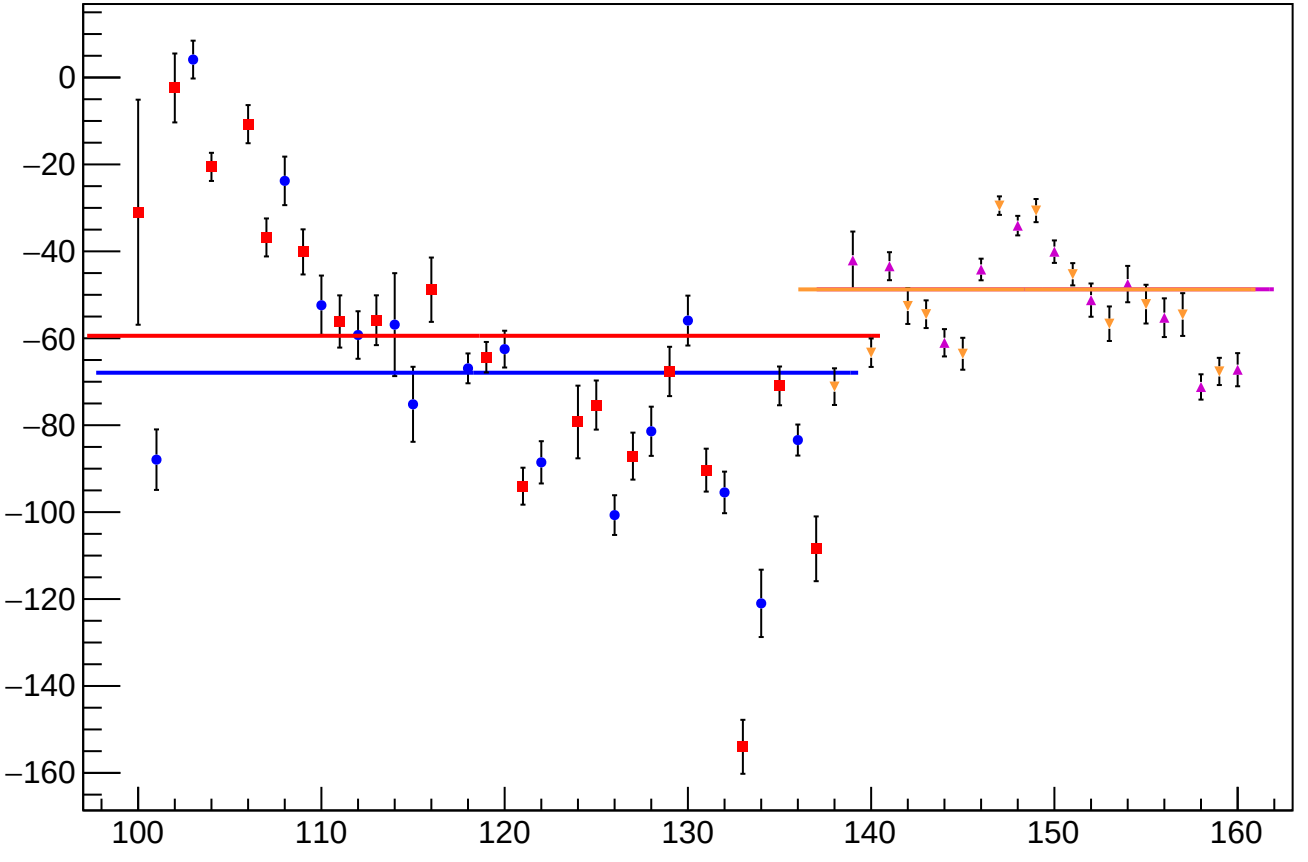
Left In: -222.327+/-1.174 χ^2/NDF:69.8/10

+ sign -222.085+/-0.820 χ^2/NDF: 4796.8/27

All: -216.653+/-0.572 χ^2/NDF: 11800.2/57

- 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: -48.755+/-0.932 χ^2/NDF:240.6/11

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

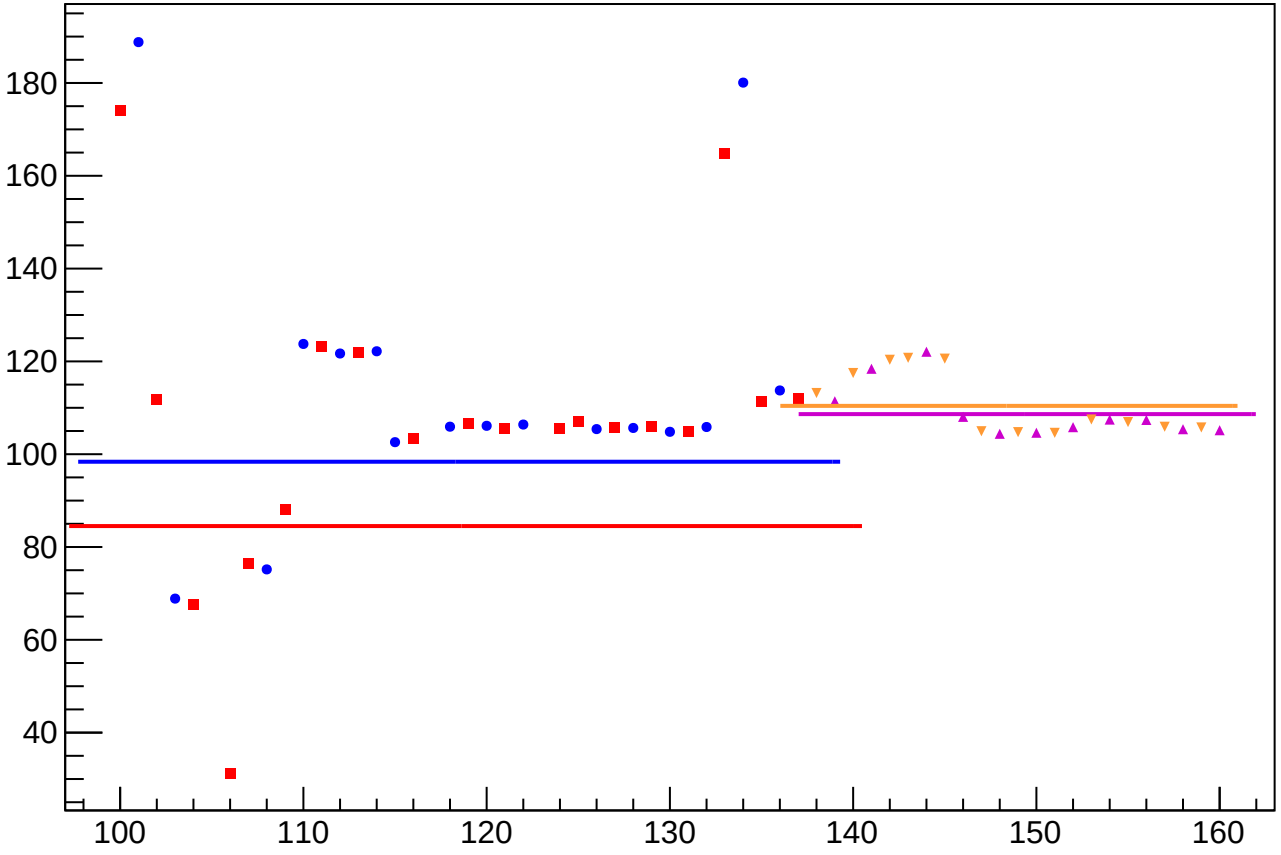
Left In: -48.728+/-0.957 χ^2/NDF:161.8/10

+ sign -55.409+/-0.753 χ^2/NDF: 921.5/27

All: -54.168+/-0.529 χ^2/NDF: 1933.0/57

- 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: 110.416+/-0.045 χ^2/NDF:20179.1/11

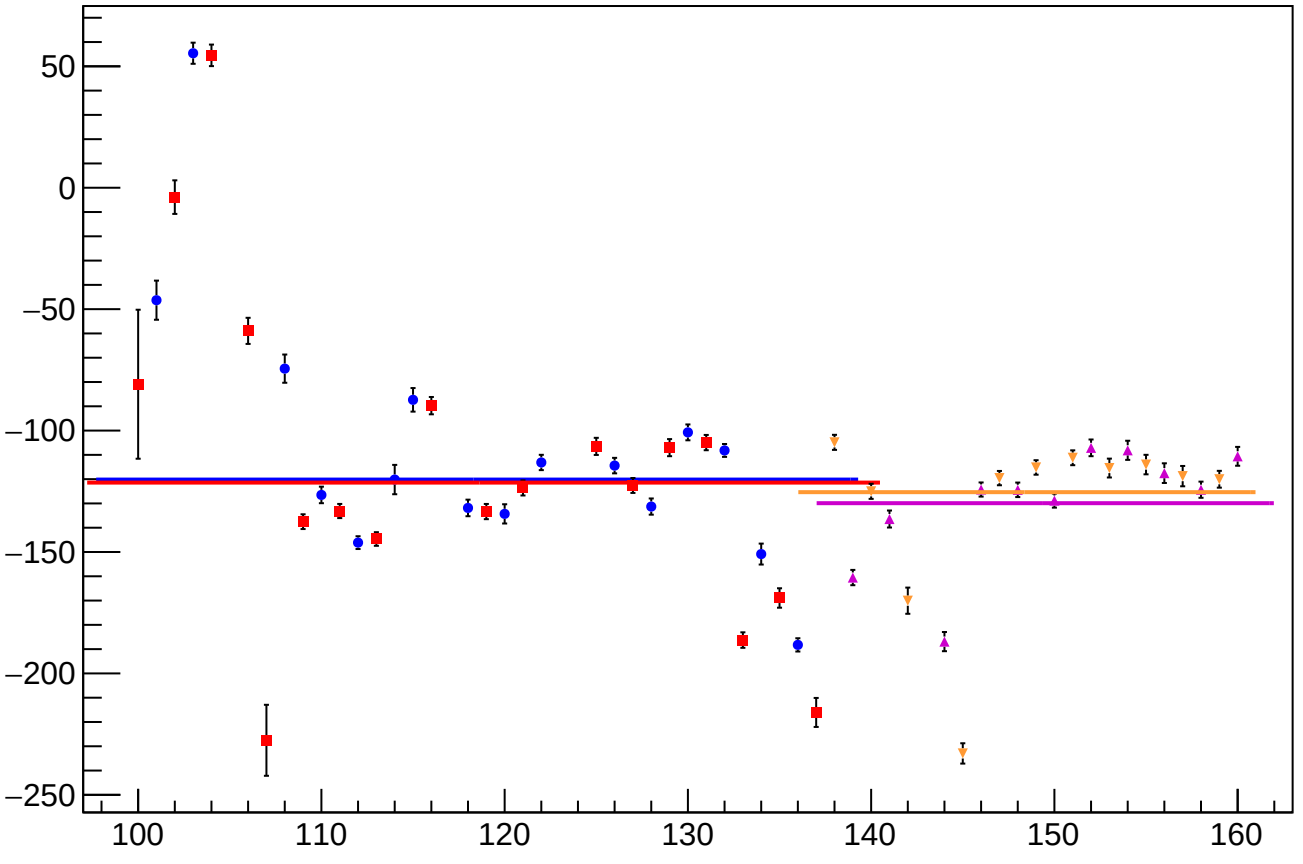
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 108.640+/-0.045 χ^2/NDF:14248.0/10

+ sign 106.553+/-0.037 χ^2/NDF: 271168.2/27

All: 103.193+/-0.026 χ^2/NDF: 671932.5/57

- sign 100.051+/-0.036 χ^2/NDF: 385153.8/29



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -125.360+/-1.053 χ^2/NDF:829.2/10

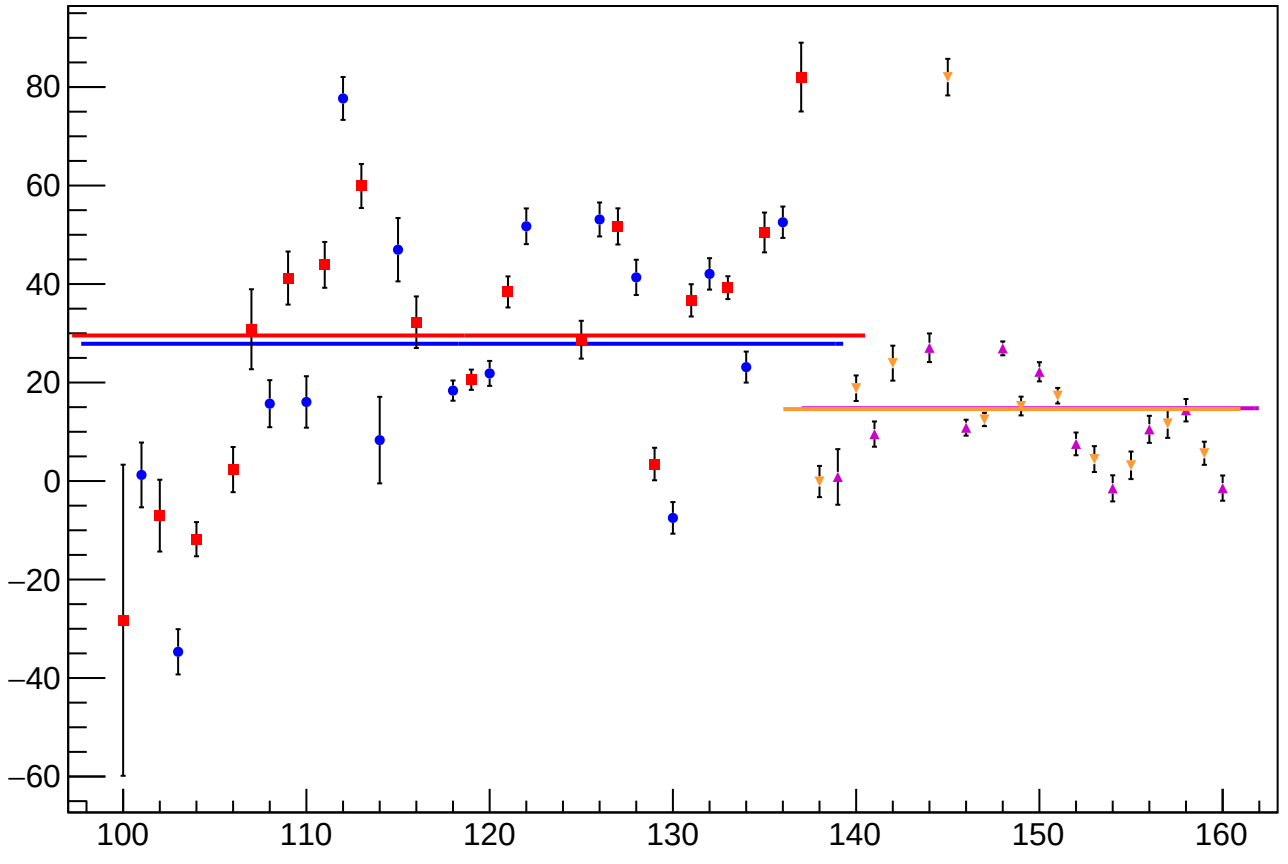
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -129.897+/-1.020 χ^2/NDF:424.9/10

+ sign -122.338+/-0.680 χ^2/NDF: 3534.5/26

All: -123.708+/-0.475 χ^2/NDF: 7133.4/55

- sign -125.015+/-0.664 χ^2/NDF: 3591.0/28



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 14.612+/-0.676 χ^2/NDF:413.0/10

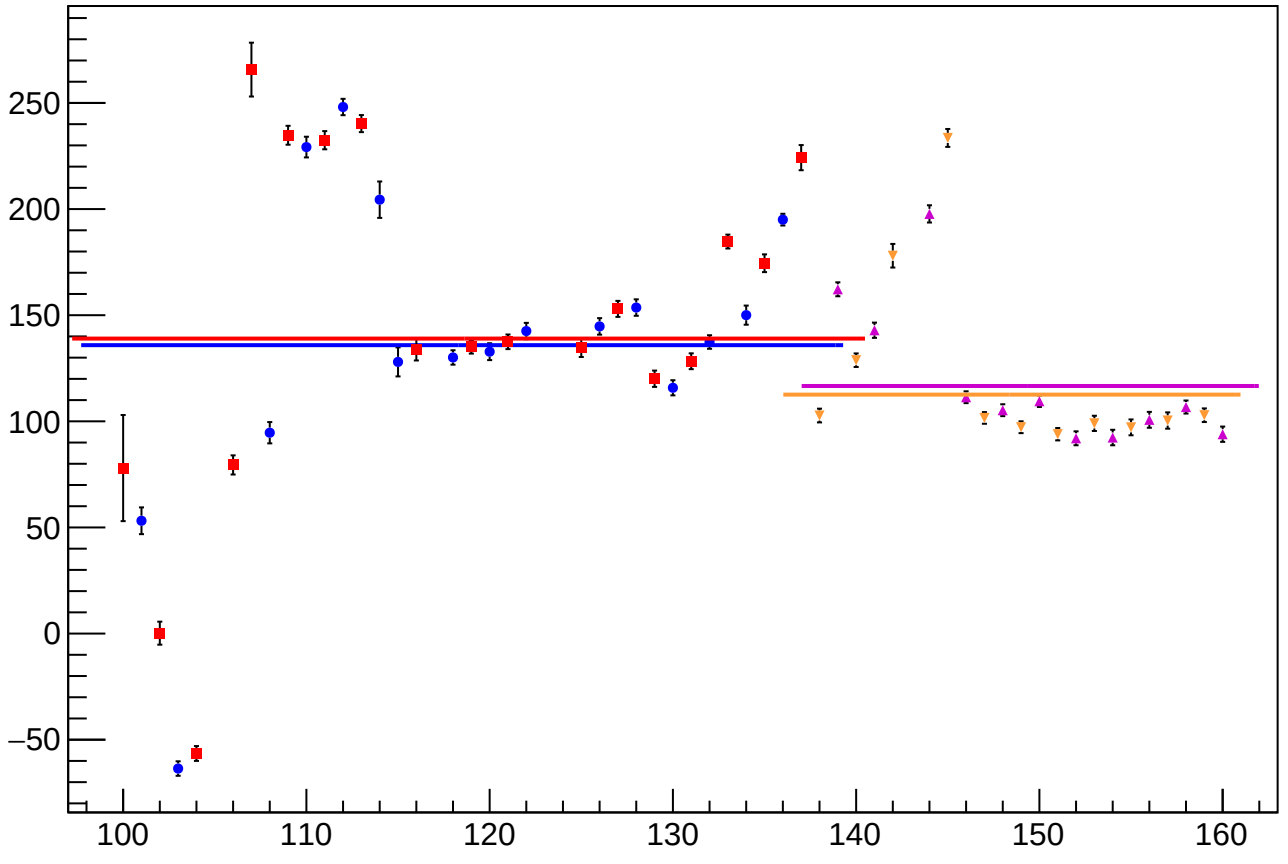
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 14.779+/-0.666 χ^2/NDF:212.8/10

+ sign 19.475+/-0.538 χ^2/NDF: 1253.8/26

All: 19.780+/-0.379 χ^2/NDF: 2141.6/55

- 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: 112.579+/-1.013 χ^2/NDF:1132.2/10

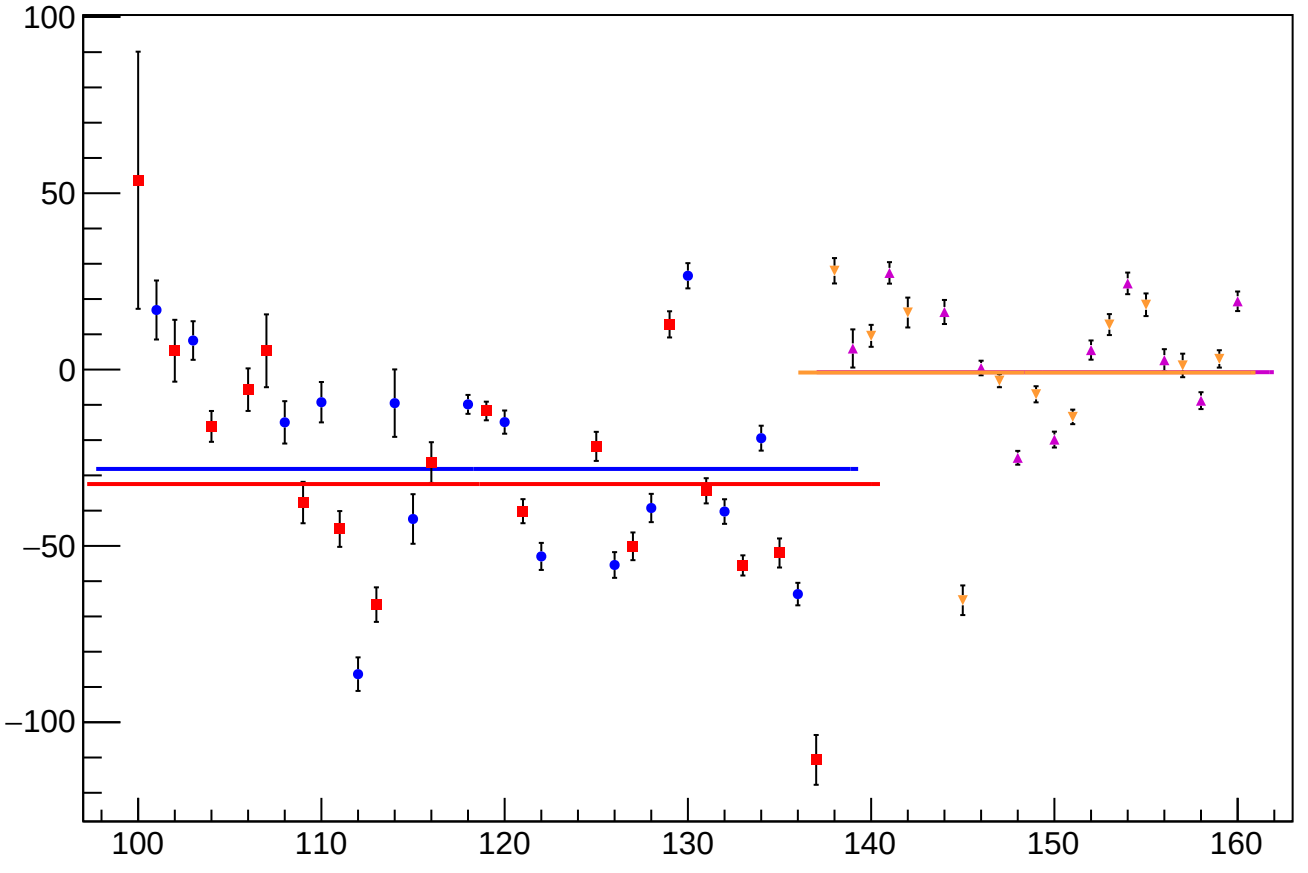
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 116.647+/-0.978 χ^2/NDF:839.7/10

+ sign 124.400+/-0.711 χ^2/NDF: 6864.3/26

All: 126.021+/-0.498 χ^2/NDF: 14126.2/55

- 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: -0.836+/-0.824 χ^2/NDF:433.3/10

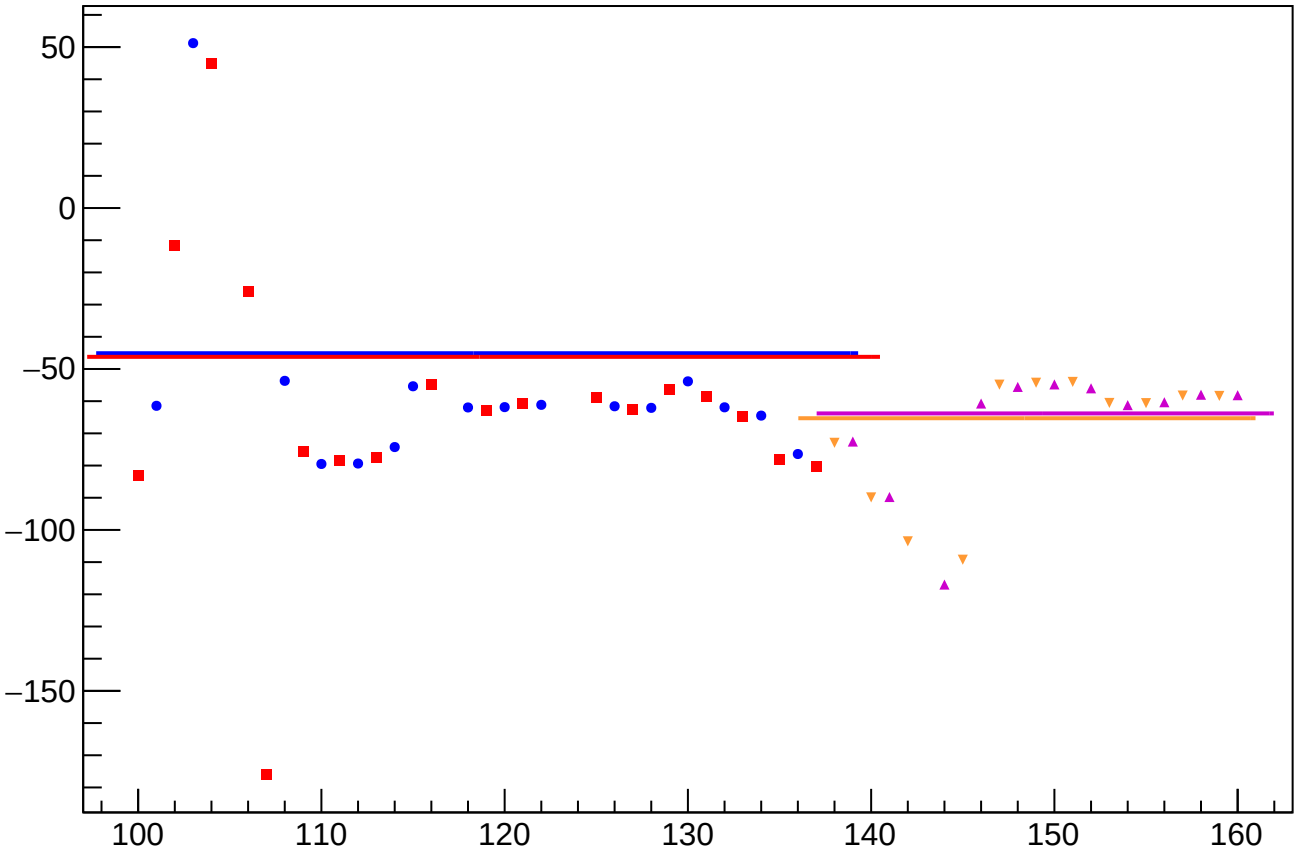
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -0.739+/-0.799 χ^2/NDF:475.6/10

+ sign -11.601+/-0.641 χ^2/NDF: 1658.1/26

All: -12.152+/-0.450 χ^2/NDF: 3310.2/55

- 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: -65.300+/-0.039 χ^2/NDF:167031.9/10

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

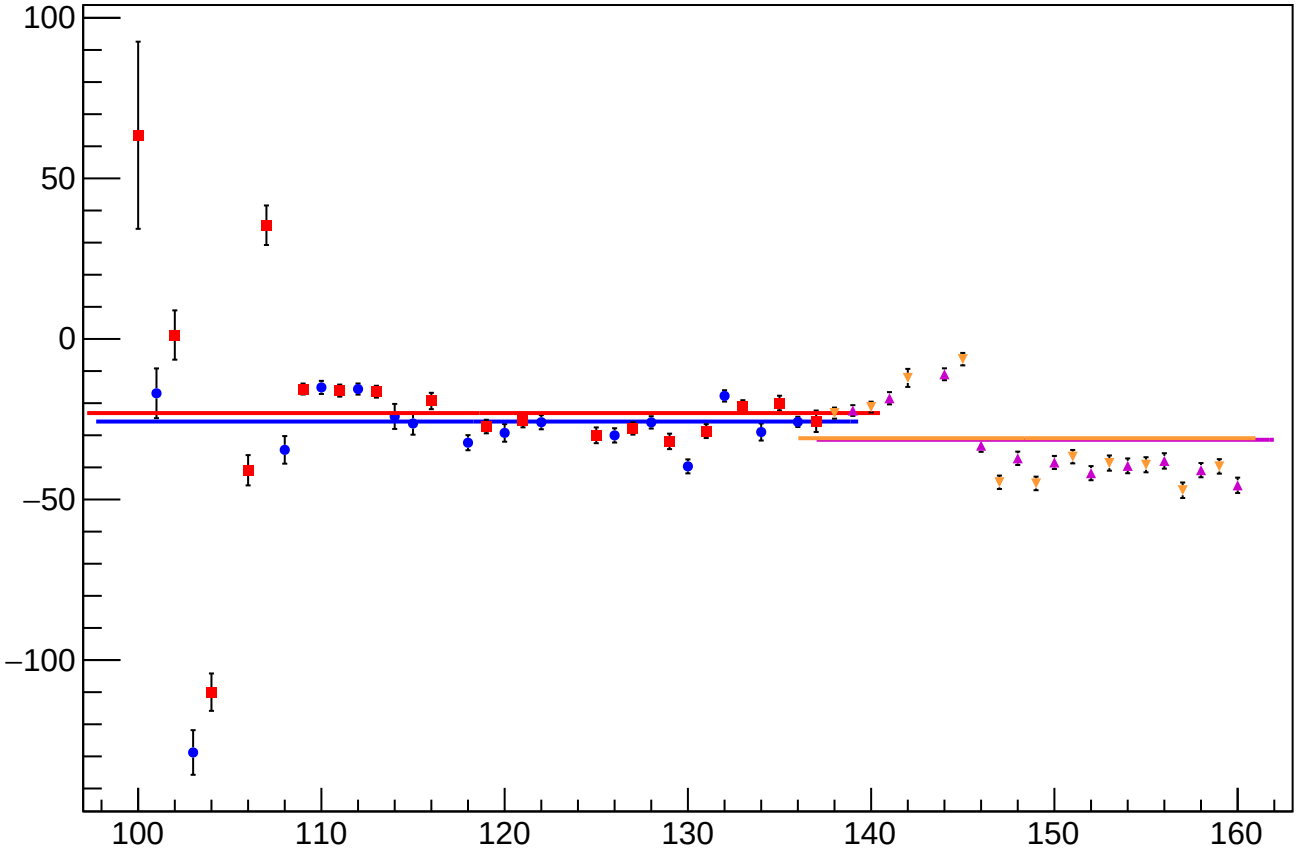
Left In: -63.804+/-0.037 χ^2/NDF:144790.9/10

+ sign -59.311+/-0.033 χ^2/NDF: 821548.1/26

All: -59.296+/-0.023 χ^2/NDF: 1518522.6/55

- sign -59.282+/-0.032 χ^2/NDF: 696974.1/28

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -30.915+/-0.634 χ^2/NDF:437.1/10

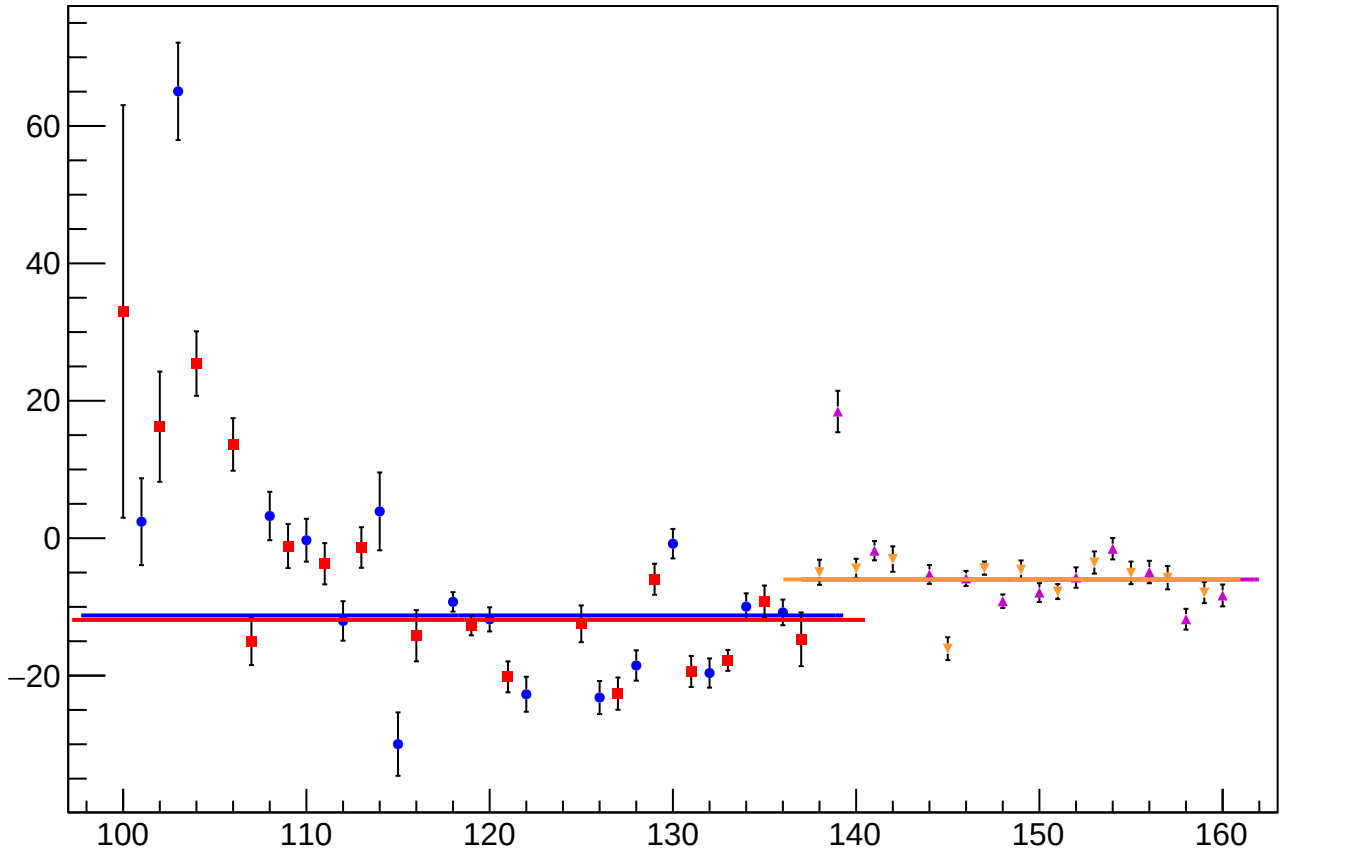
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -31.400+/-0.619 χ^2/NDF:312.1/10

+ sign -28.131+/-0.432 χ^2/NDF: 836.0/26

All: -27.546+/-0.303 χ^2/NDF: 1684.8/55

- 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: -6.007+/-0.428 χ^2/NDF:51.7/10

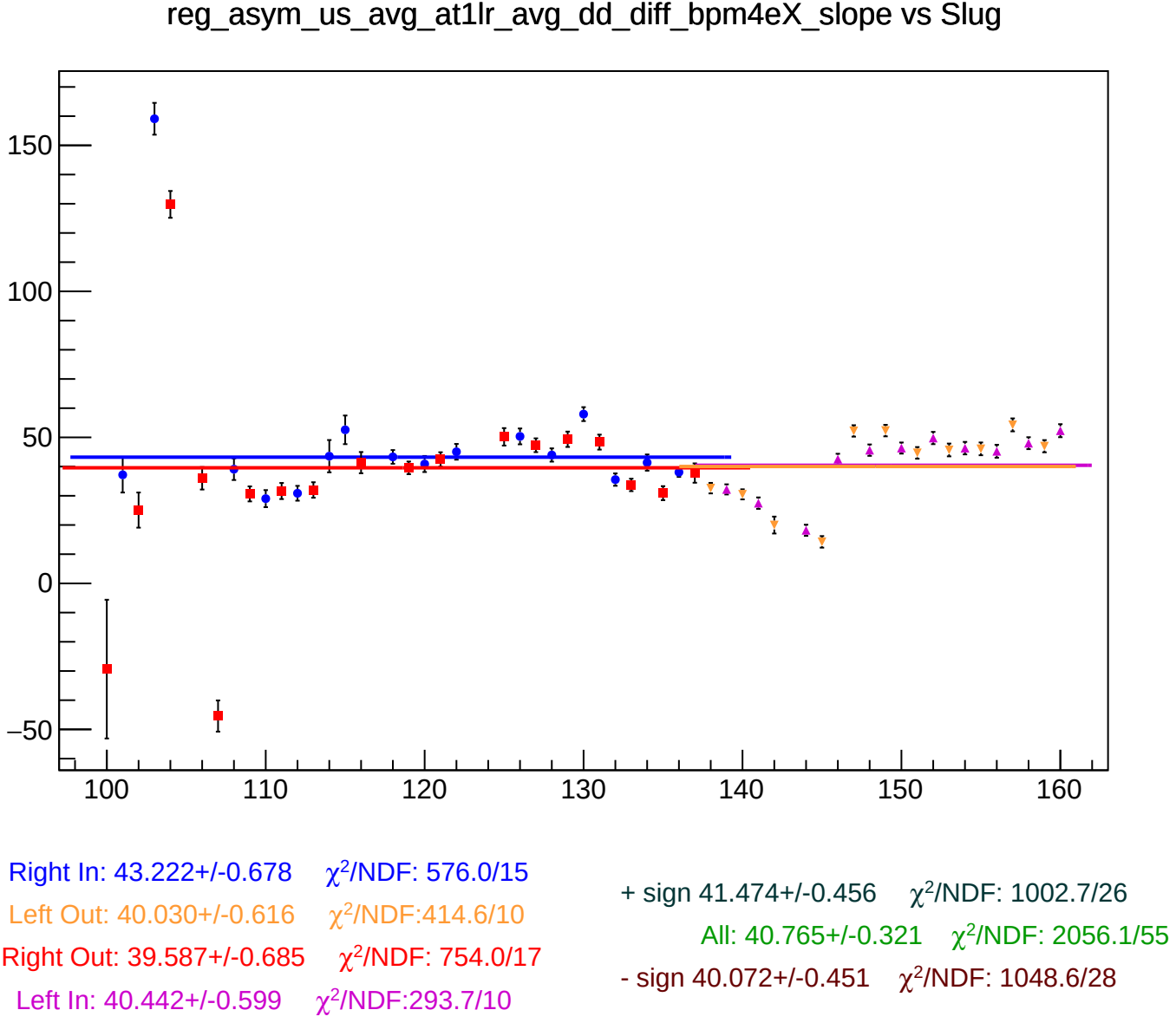
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.012+/-0.422 χ^2/NDF:112.5/10

+ sign -7.775+/-0.349 χ^2/NDF: 373.3/26

All: -7.852+/-0.246 χ^2/NDF: 773.6/55

- sign -7.927+/-0.346 χ^2/NDF: 400.2/28



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 40.030+/-0.616 χ^2/NDF:414.6/10

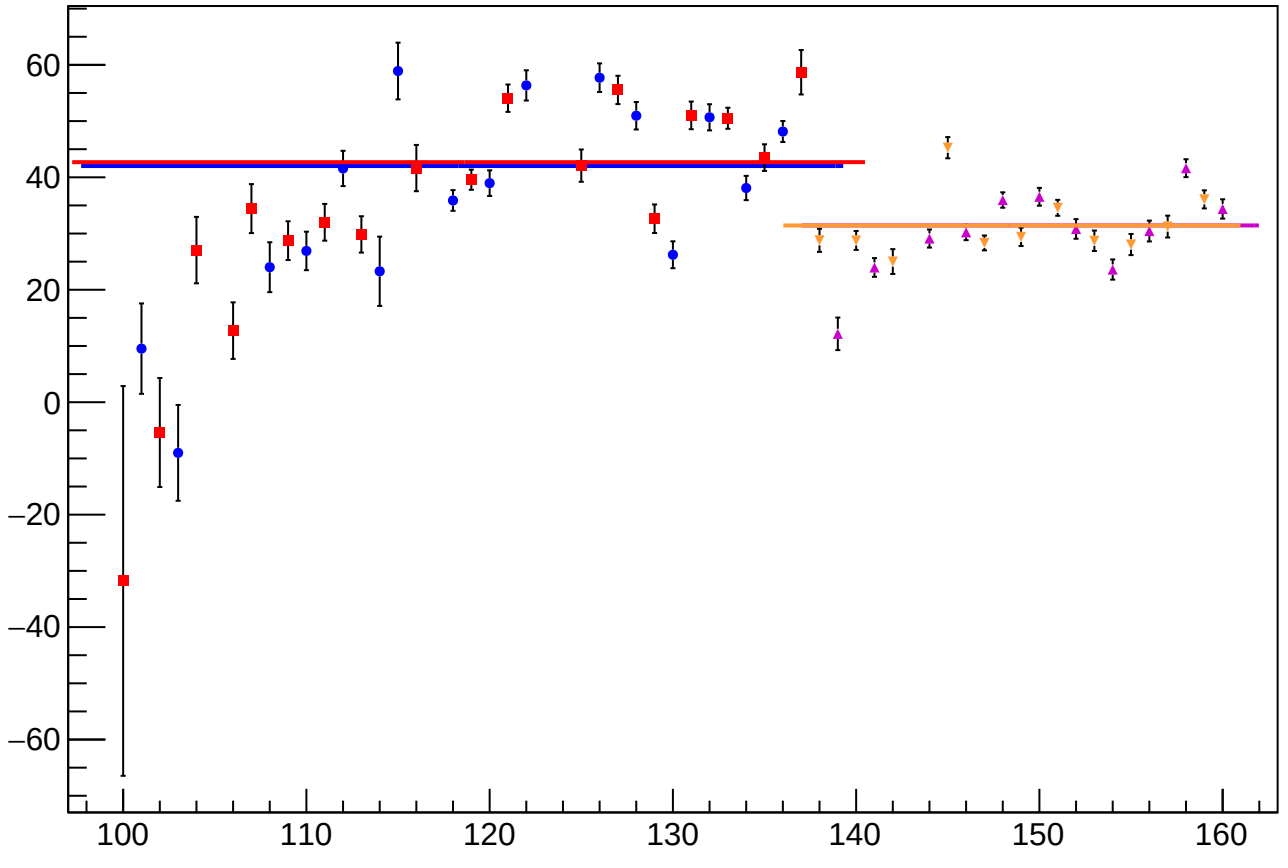
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 40.442+/-0.599 χ^2/NDF:293.7/10

+ sign 41.474+/-0.456 χ^2/NDF: 1002.7/26

All: 40.765+/-0.321 χ^2/NDF: 2056.1/55

- sign 40.072+/-0.451 χ^2/NDF: 1048.6/28



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 31.431+/-0.515 χ^2/NDF:92.3/10

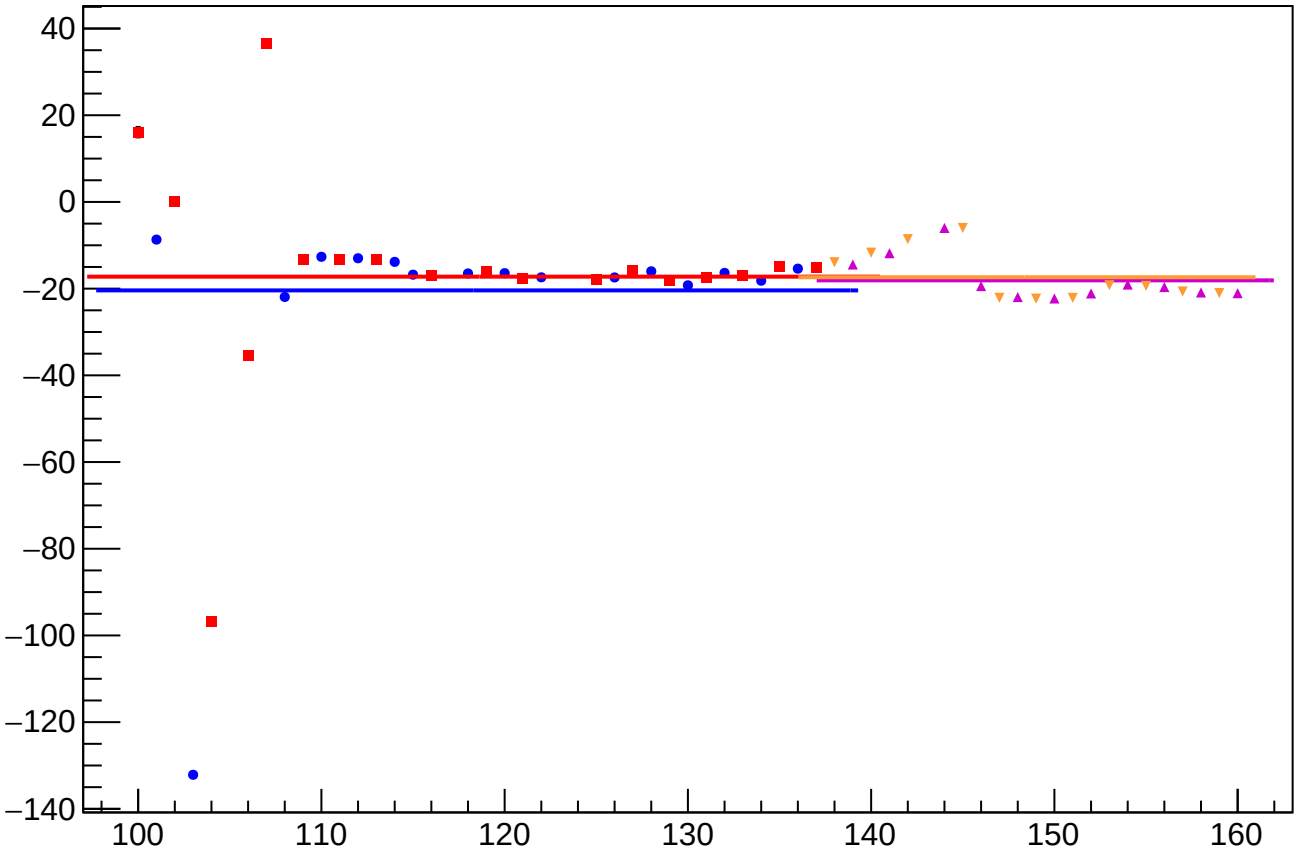
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 31.441+/-0.501 χ^2/NDF:152.0/10

\+ sign 35.263+/-0.412 χ^2/NDF: 517.6/26

All: 35.279+/-0.289 χ^2/NDF: 1072.5/55

\- 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: -17.376+/-0.024 χ^2/NDF:50805.8/10

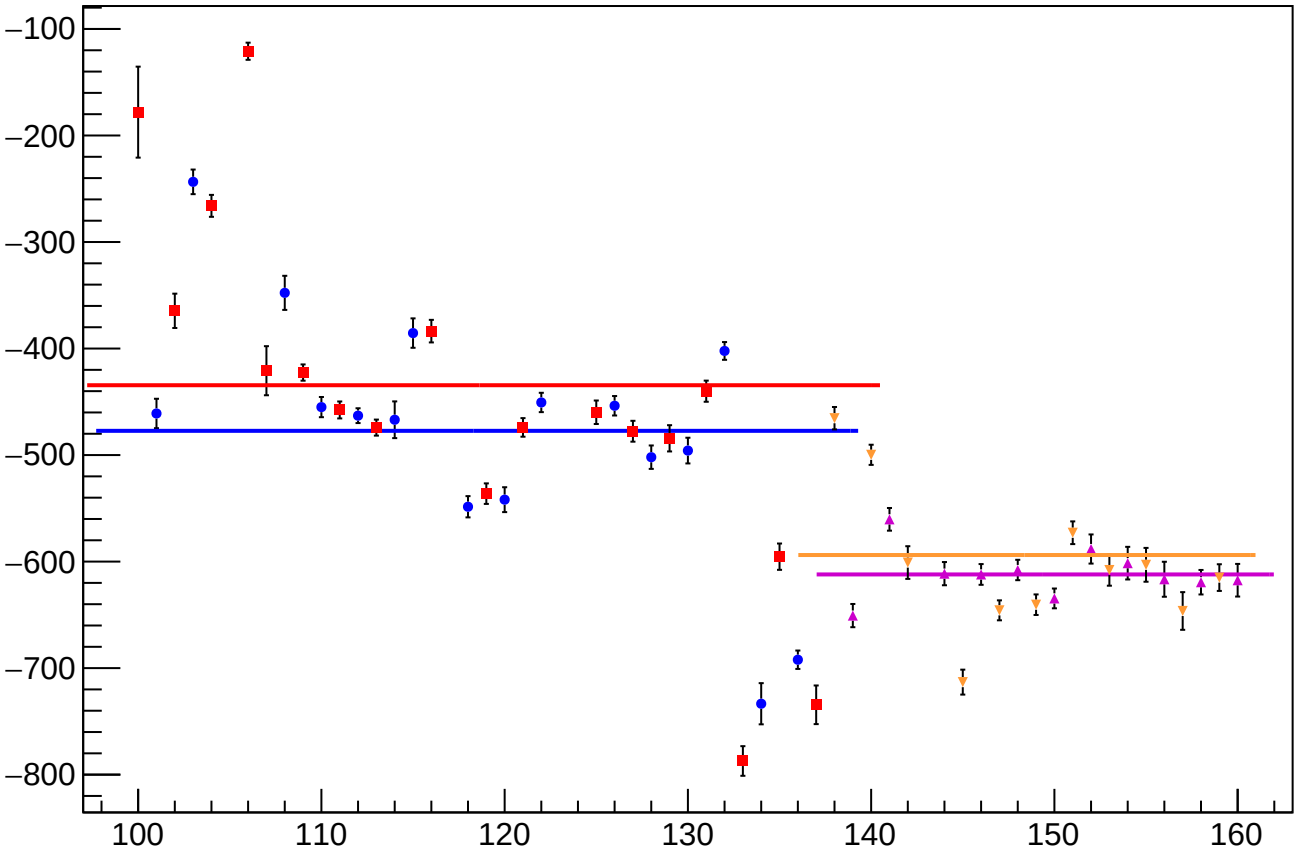
Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -18.091+/-0.023 χ^2/NDF:40499.3/10

+ sign -18.106+/-0.021 χ^2/NDF: 300383.5/26

All: -18.007+/-0.014 χ^2/NDF: 545882.5/55

- sign -17.914+/-0.020 χ^2/NDF: 245454.3/28



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -593.836+/-3.517 χ^2/NDF:423.0/10

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

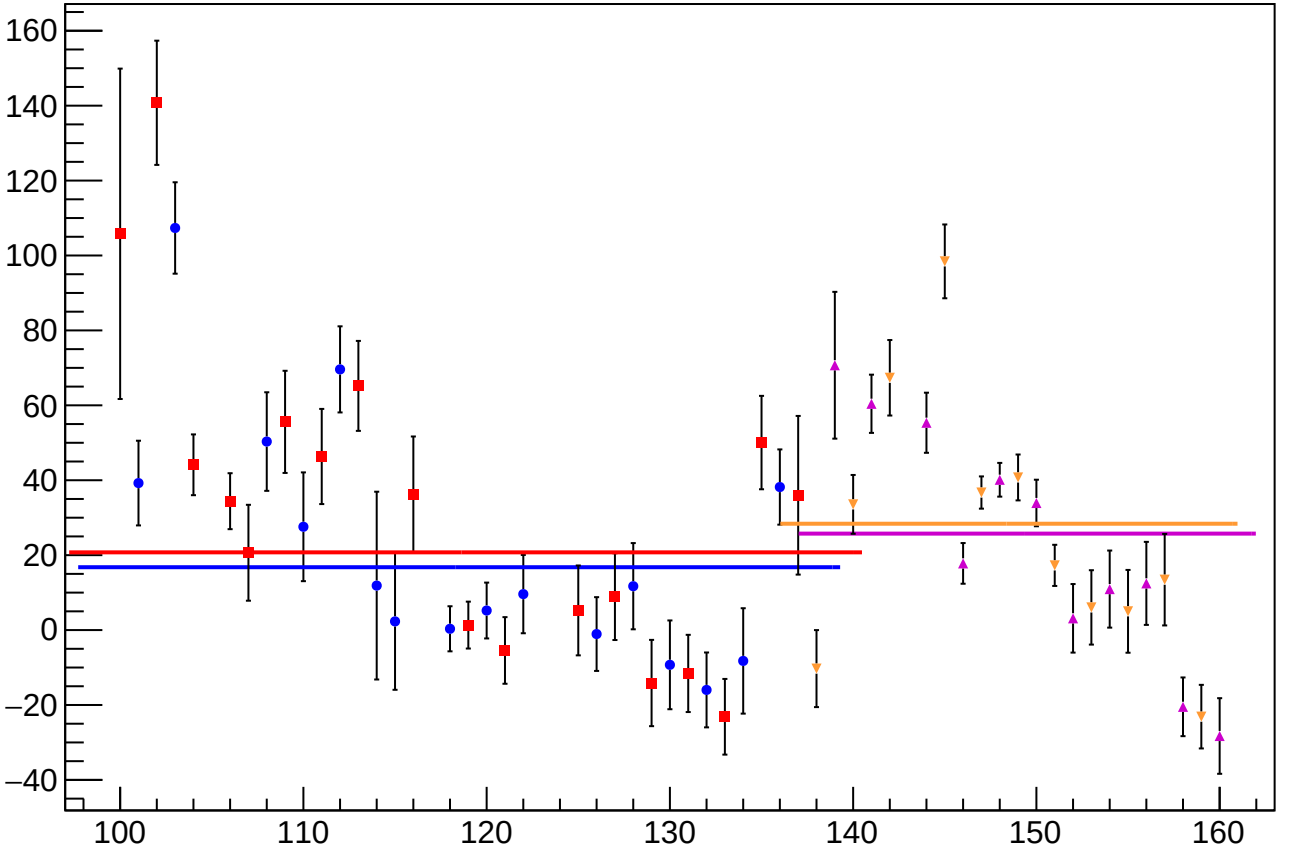
Left In: -612.060+/-3.453 χ^2/NDF:46.4/10

\+ sign -519.136+/-2.108 χ^2/NDF: 2638.1/26

All: -506.135+/-1.453 χ^2/NDF: 7672.3/55

\- 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: 28.390+/-2.244 χ^2/NDF:139.8/10

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

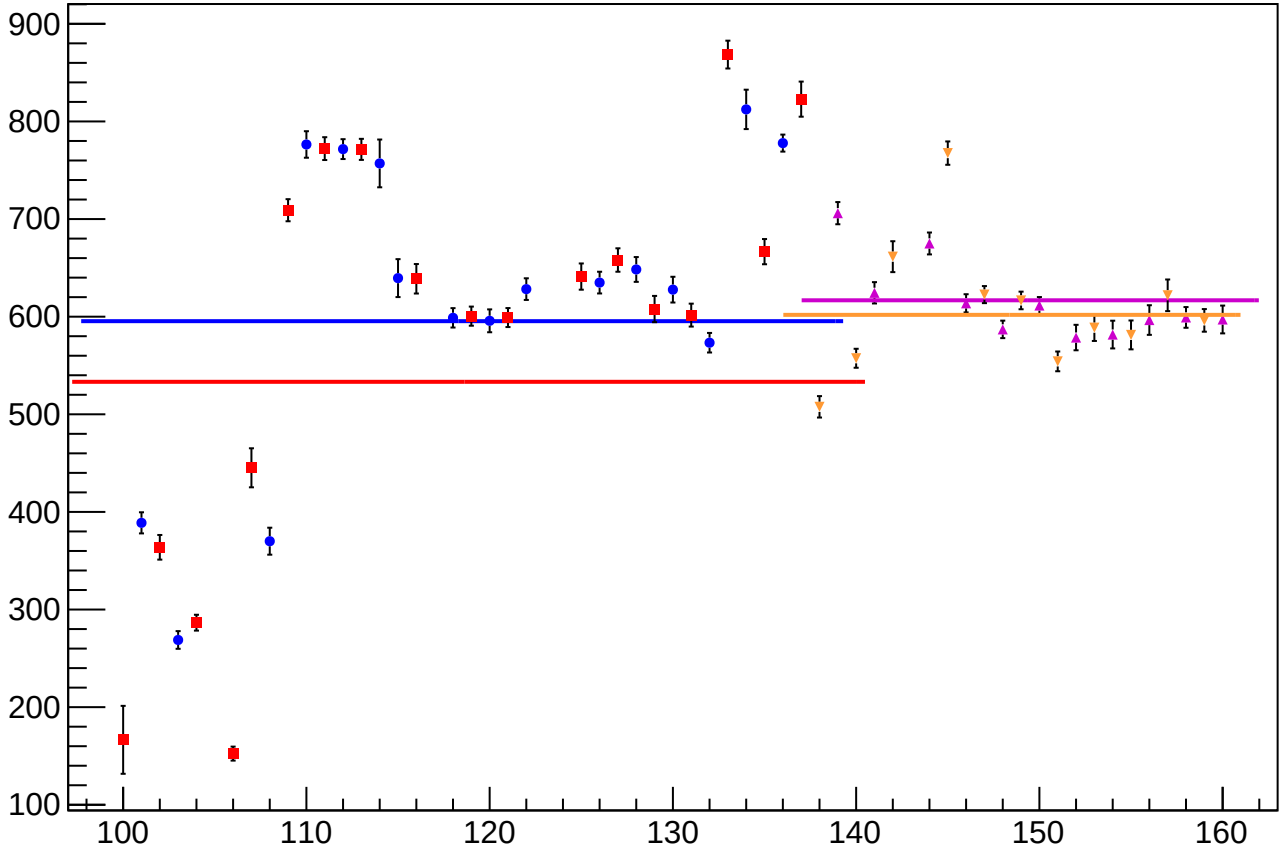
Left In: 25.751+/-2.239 χ^2/NDF:125.9/10

+ sign 23.550+/-1.714 χ^2/NDF: 276.0/26

All: 23.561+/-1.201 χ^2/NDF: 562.0/55

- sign 23.571+/-1.682 χ^2/NDF: 286.0/28

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 601.871+/-3.405 χ^2/NDF:335.8/10

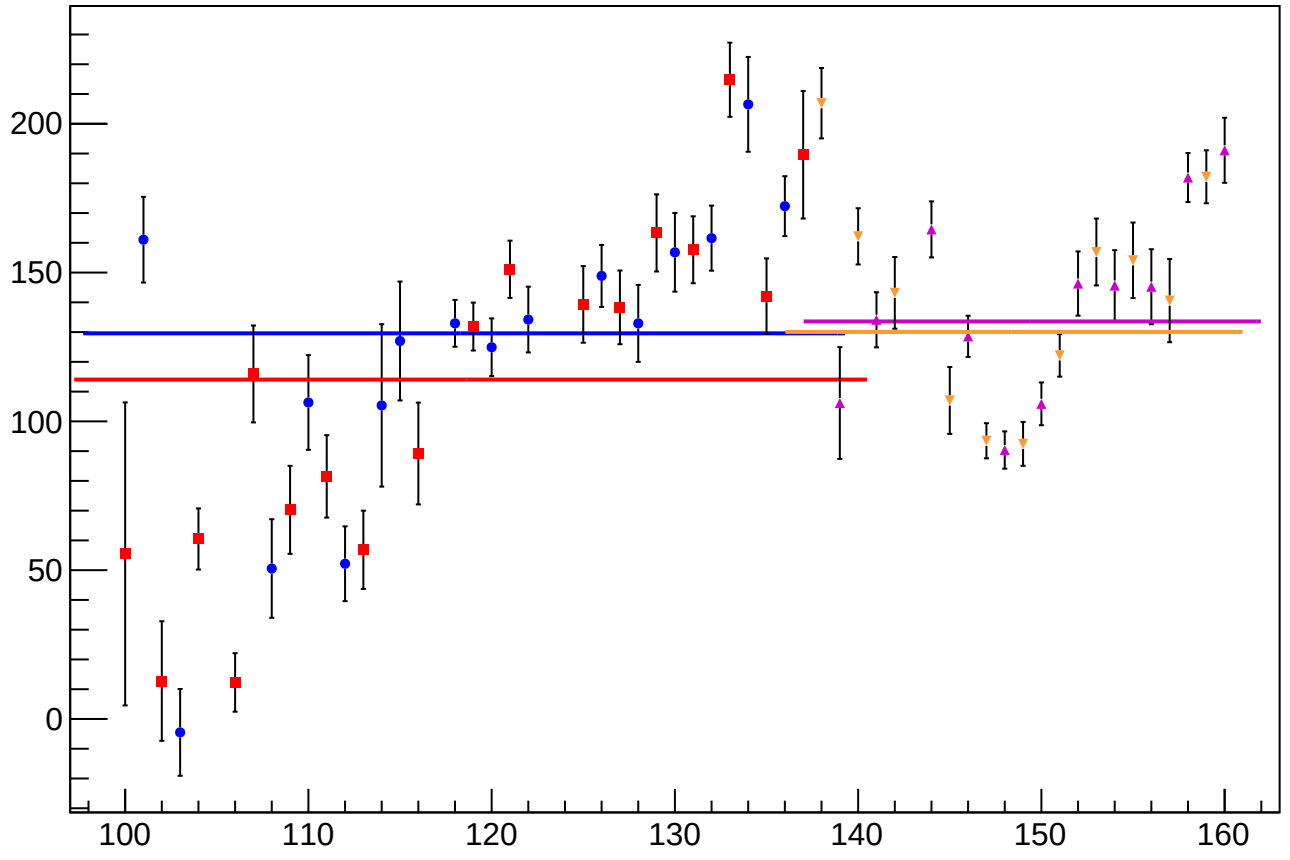
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 616.788+/-3.326 χ^2/NDF:121.8/10

+ sign 598.157+/-2.221 χ^2/NDF: 3397.6/26

All: 581.906+/-1.533 χ^2/NDF: 10499.3/55

- 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: 130.052+/-2.755 χ^2/NDF:169.1/10

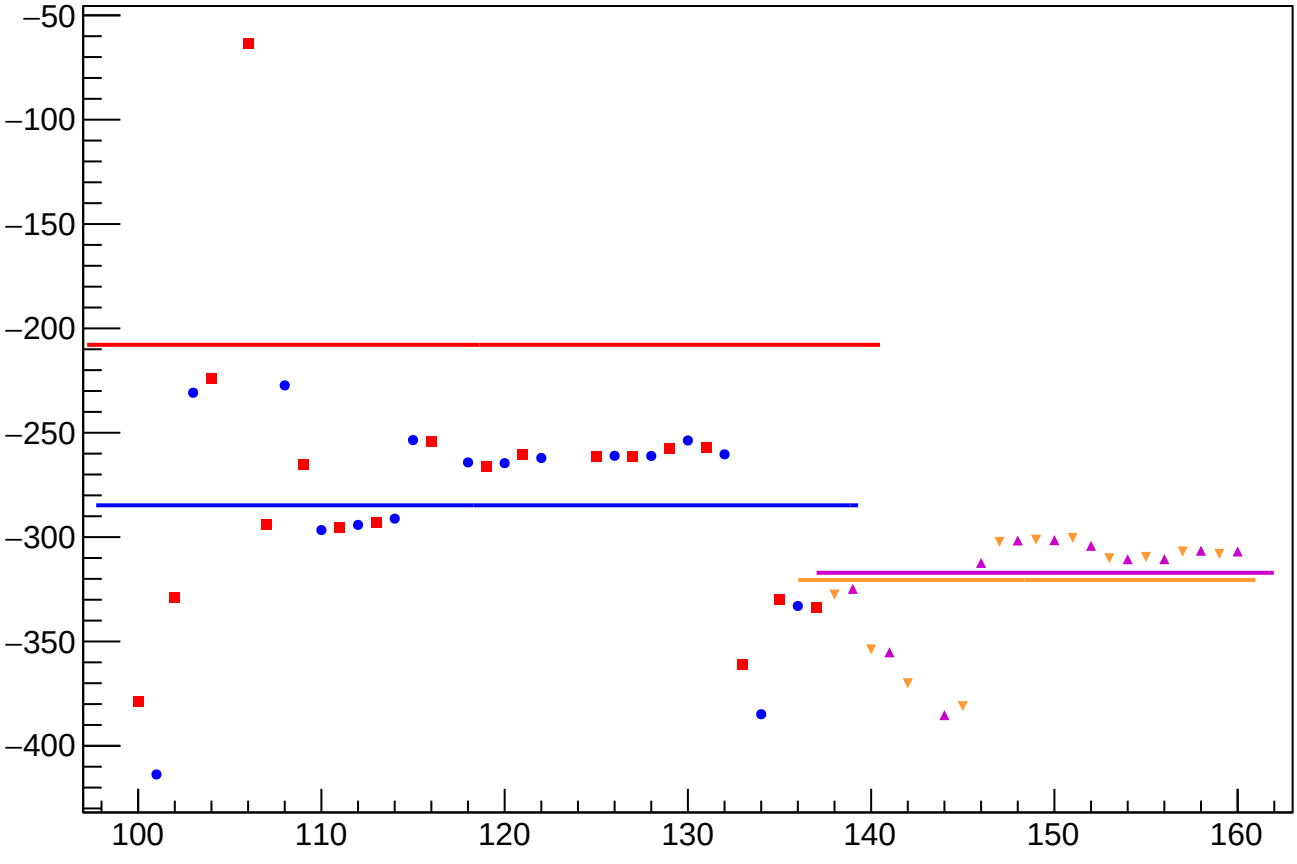
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 133.580+/-2.707 χ^2/NDF:141.2/10

+ sign 129.845+/-2.054 χ^2/NDF: 380.3/26

All: 127.227+/-1.434 χ^2/NDF: 884.2/55

- 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: -320.557+/-0.134 χ^2/NDF:38108.1/10

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

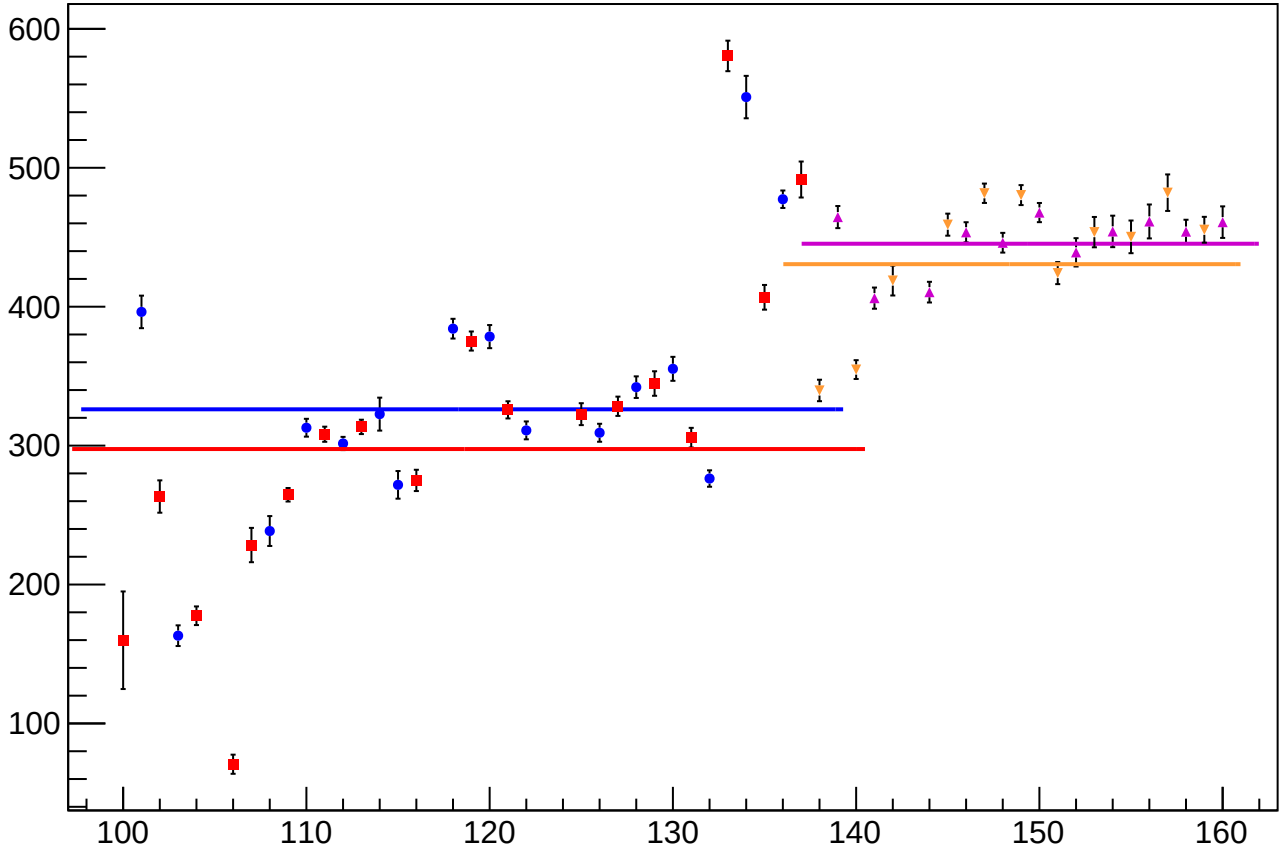
Left In: -317.089+/-0.128 χ^2/NDF:32287.1/10

+ sign -307.520+/-0.107 χ^2/NDF: 168313.1/26

All: -287.314+/-0.072 χ^2/NDF: 1112092.9/55

- 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: 430.618+/-2.566 χ^2/NDF:410.0/10

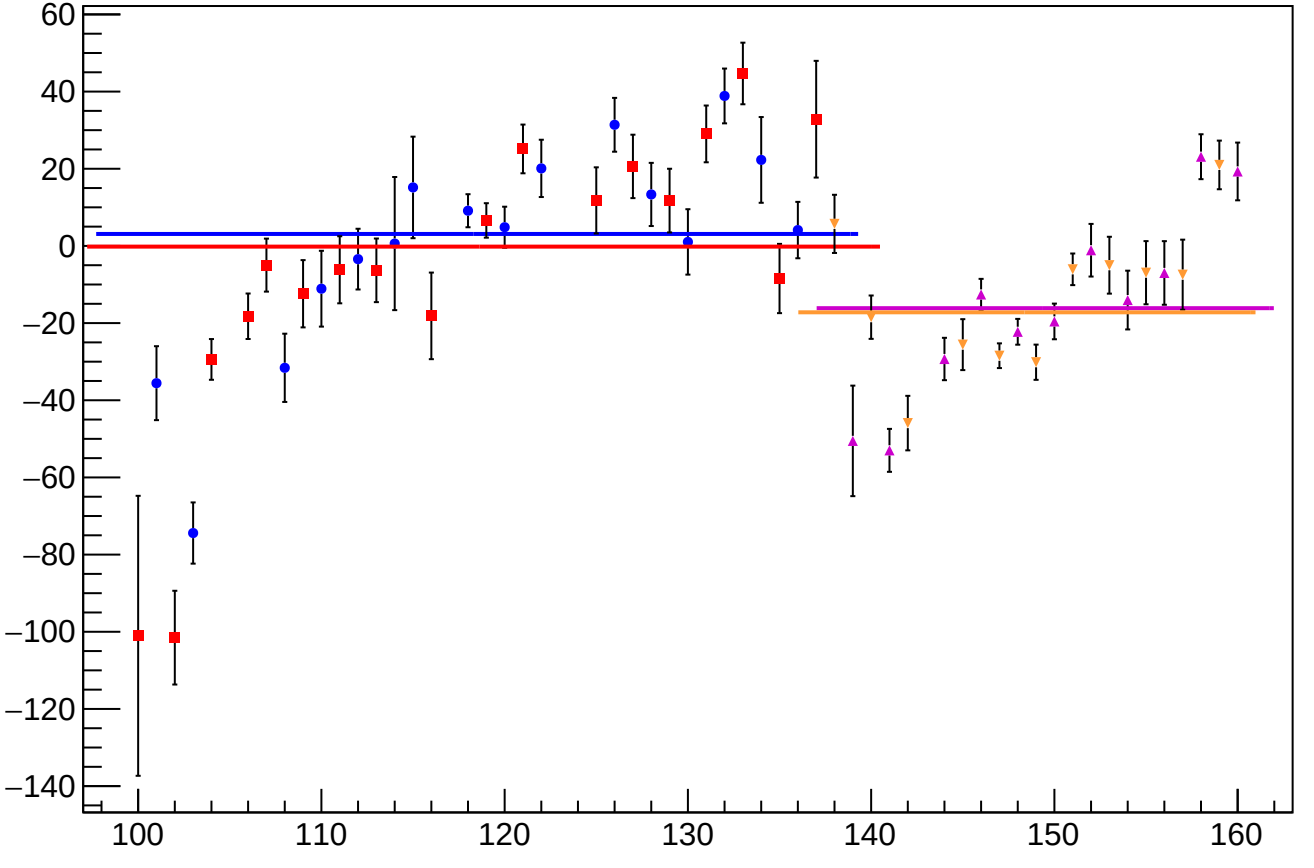
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 445.327+/-2.527 χ^2/NDF:71.6/10

+ sign 362.040+/-1.504 χ^2/NDF: 3141.1/26

All: 353.018+/-1.036 χ^2/NDF: 8381.2/55

- 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: -17.206+/-1.649 χ^2/NDF:97.4/10

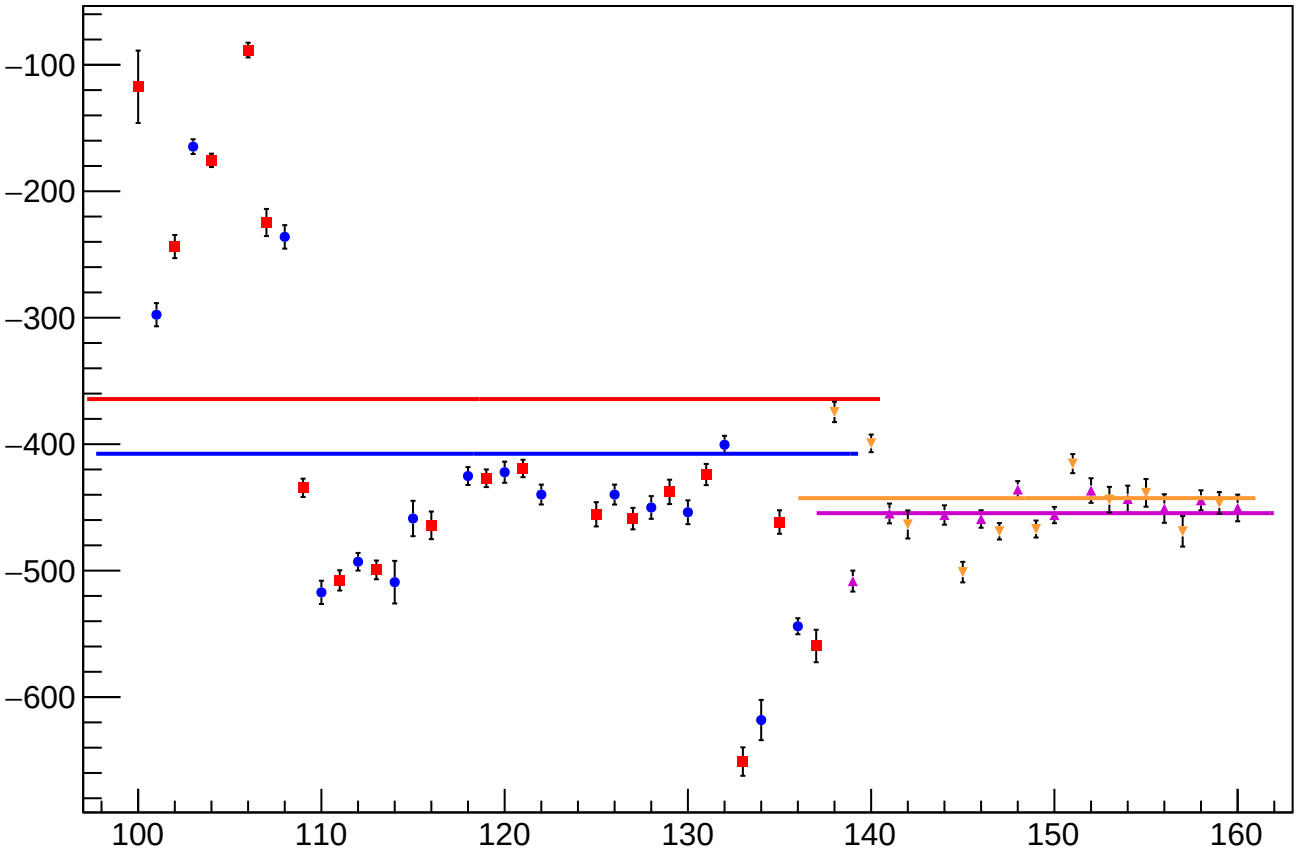
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -16.134+/-1.647 χ^2/NDF:134.1/10

+ sign -8.443+/-1.243 χ^2/NDF: 347.4/26

All: -8.639+/-0.868 χ^2/NDF: 729.7/55

- 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: -442.667+/-2.490 χ^2/NDF:213.3/10

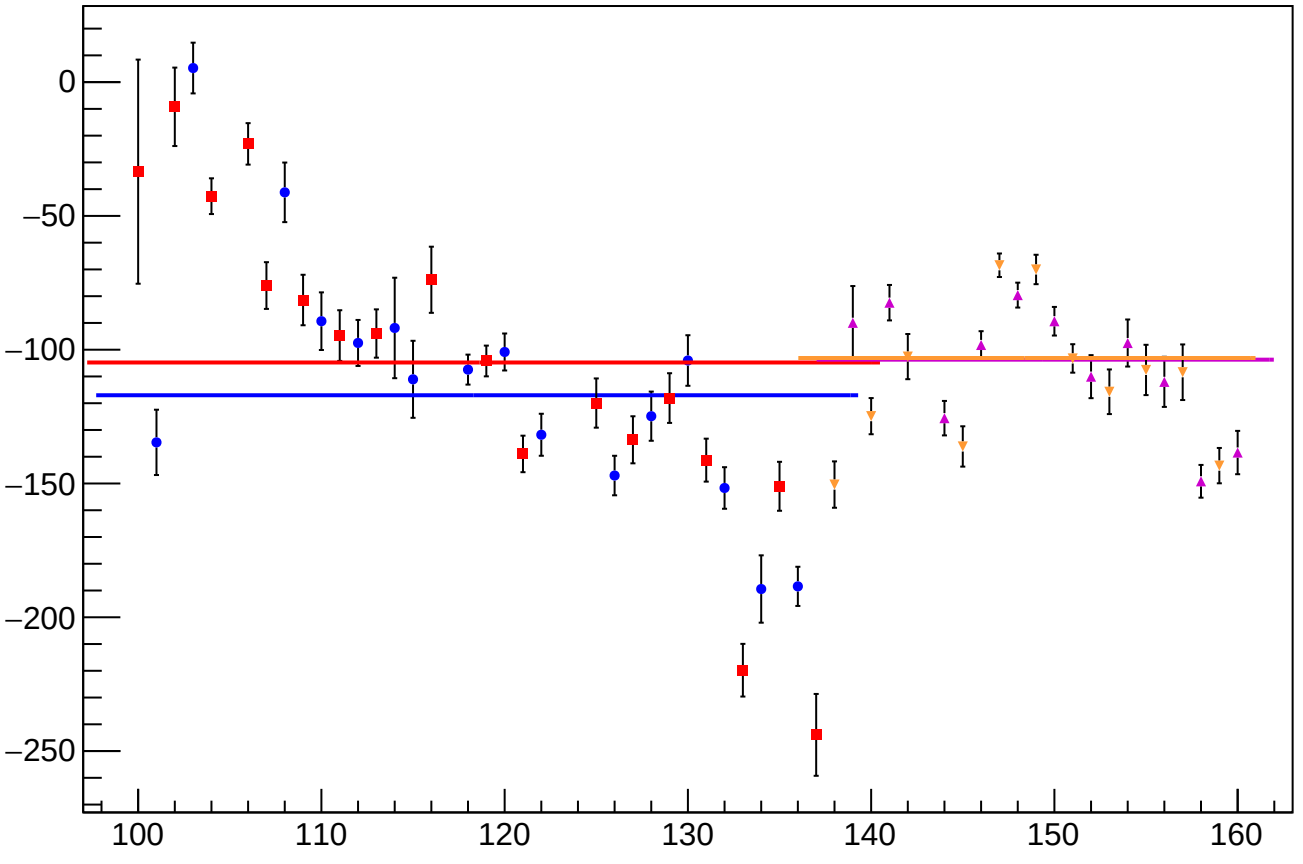
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -454.539+/-2.439 χ^2/NDF:56.9/10

+ sign -421.944+/-1.594 χ^2/NDF: 3611.0/26

All: -410.101+/-1.100 χ^2/NDF: 10831.0/55

- 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: -103.103+/-2.021 χ^2/NDF:197.6/10

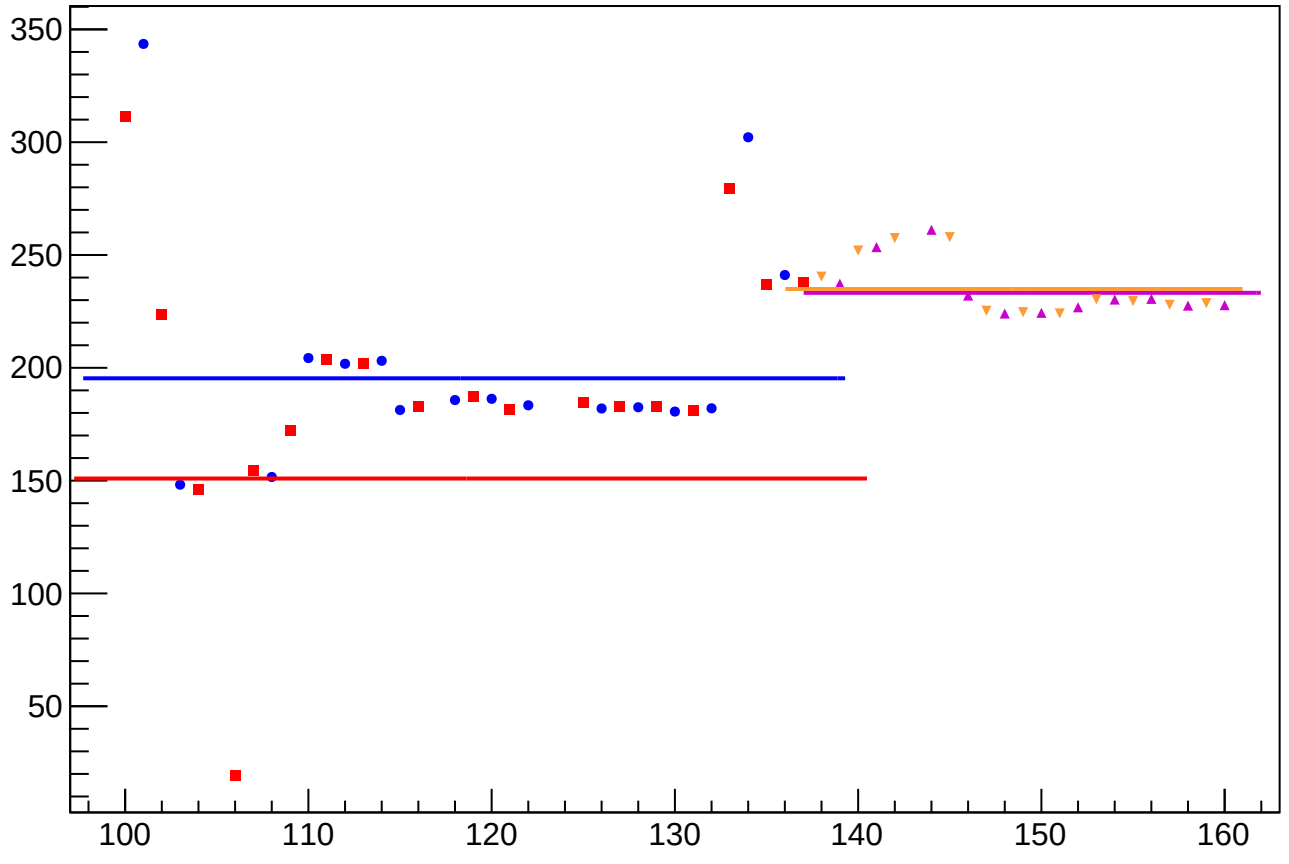
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -103.725+/-1.989 χ^2/NDF:133.5/10

+ sign -109.489+/-1.486 χ^2/NDF: 627.2/26

All: -106.776+/-1.035 χ^2/NDF: 1342.5/55

- 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: 234.927+/-0.098 χ^2/NDF:15711.3/10

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

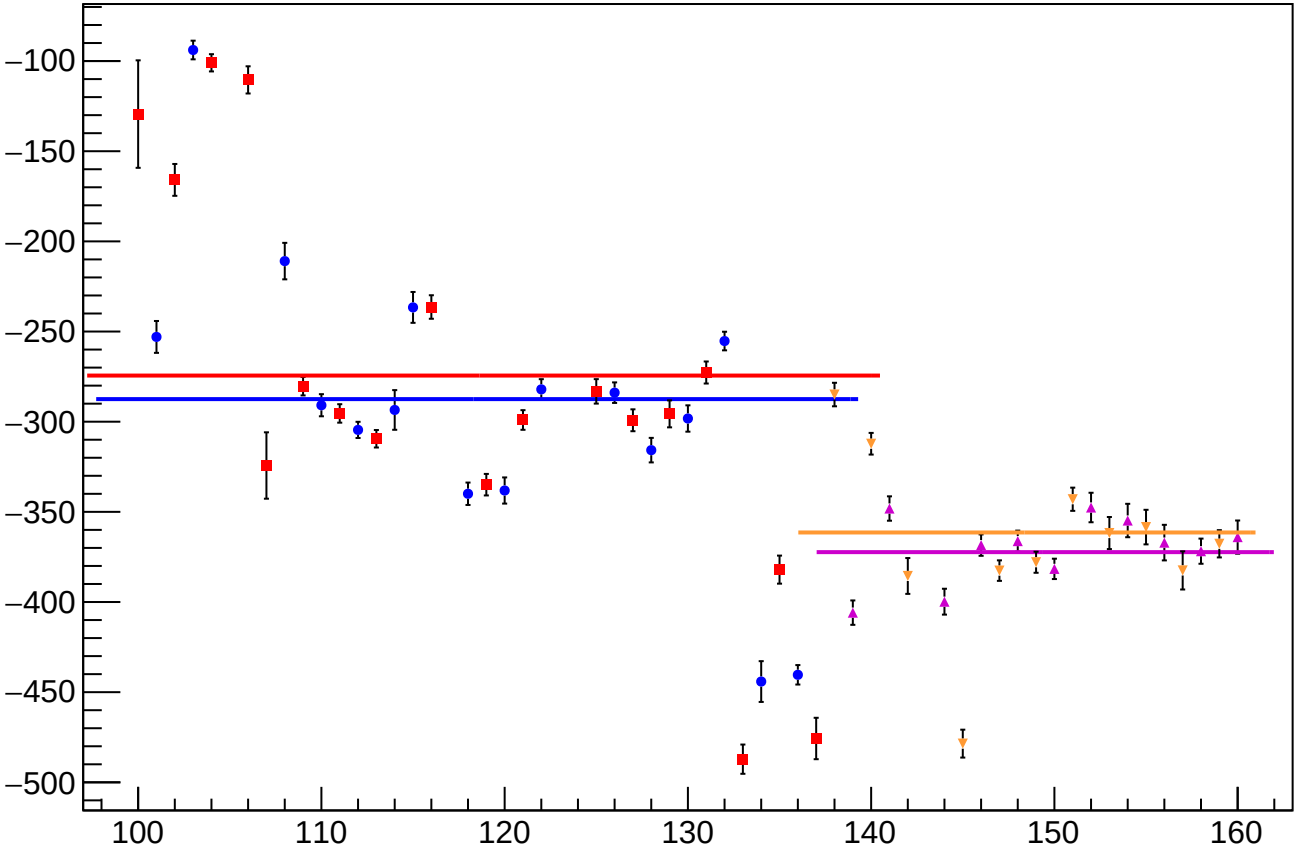
Left In: 233.242+/-0.094 χ^2/NDF:14251.3/10

+ sign 219.725+/-0.077 χ^2/NDF: 254791.4/26

All: 208.357+/-0.052 χ^2/NDF: 1131951.8/55

- sign 198.633+/-0.071 χ^2/NDF: 836970.1/28

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -361.438+/-2.170 χ^2/NDF:474.4/10

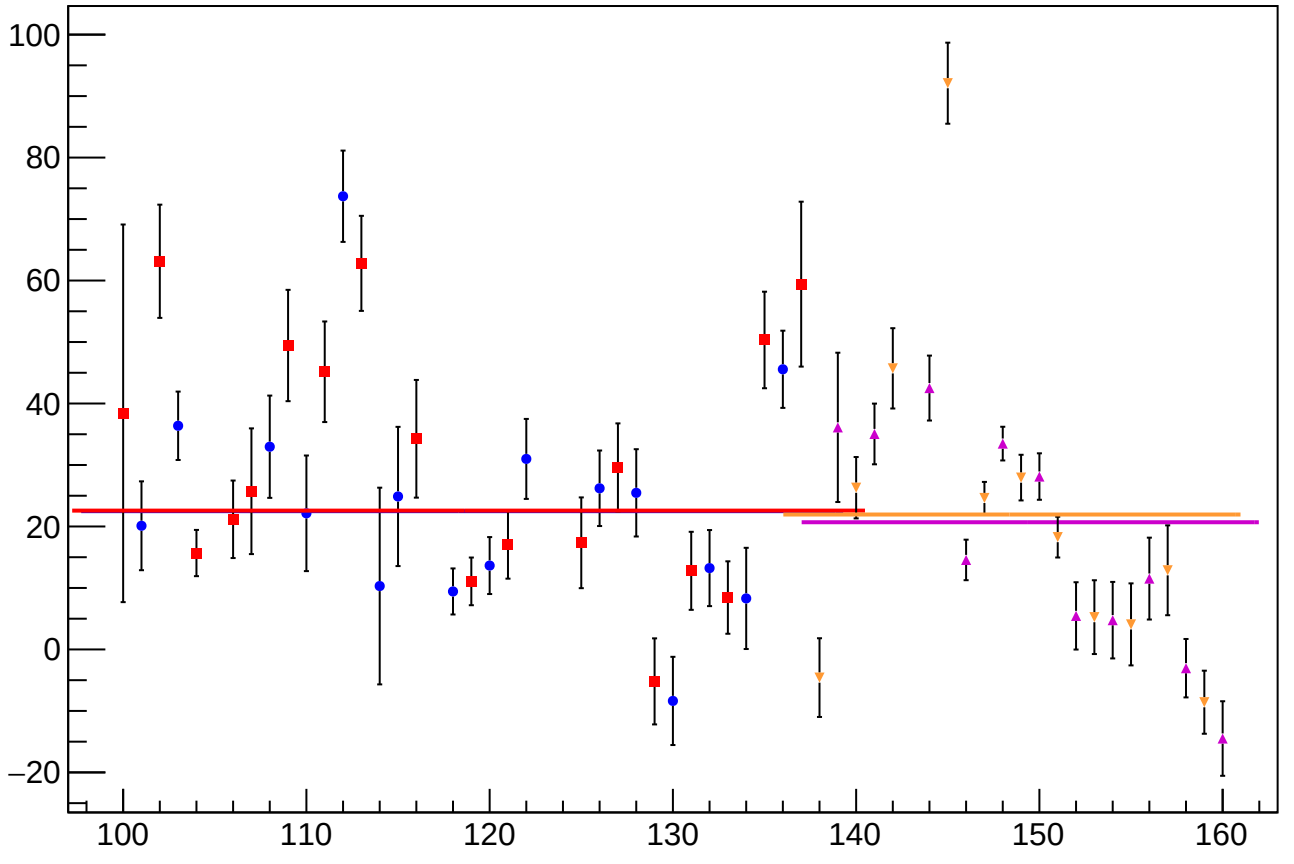
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -372.339+/-2.123 χ^2/NDF:70.2/10

+ sign -313.758+/-1.294 χ^2/NDF: 3919.7/26

All: -311.042+/-0.900 χ^2/NDF: 8798.3/55

- sign -308.496+/-1.253 χ^2/NDF: 4870.1/28



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 21.944+/-1.376 χ^2/NDF:201.2/10

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

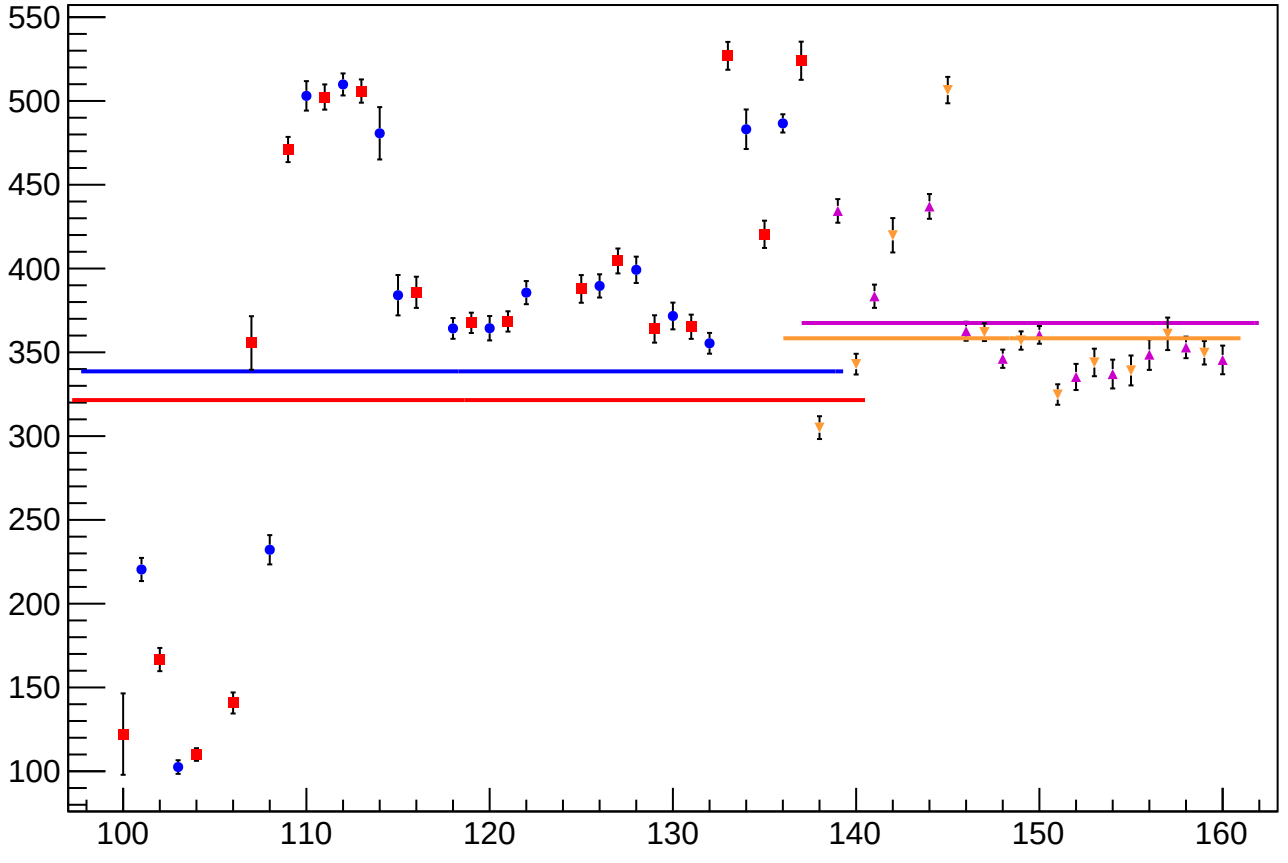
Left In: 20.689+/-1.371 χ^2/NDF:131.1/10

+ sign 22.174+/-1.049 χ^2/NDF: 312.7/26

All: 21.835+/-0.736 χ^2/NDF: 568.2/55

- 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: 358.382+/-2.096 χ^2/NDF:497.2/10

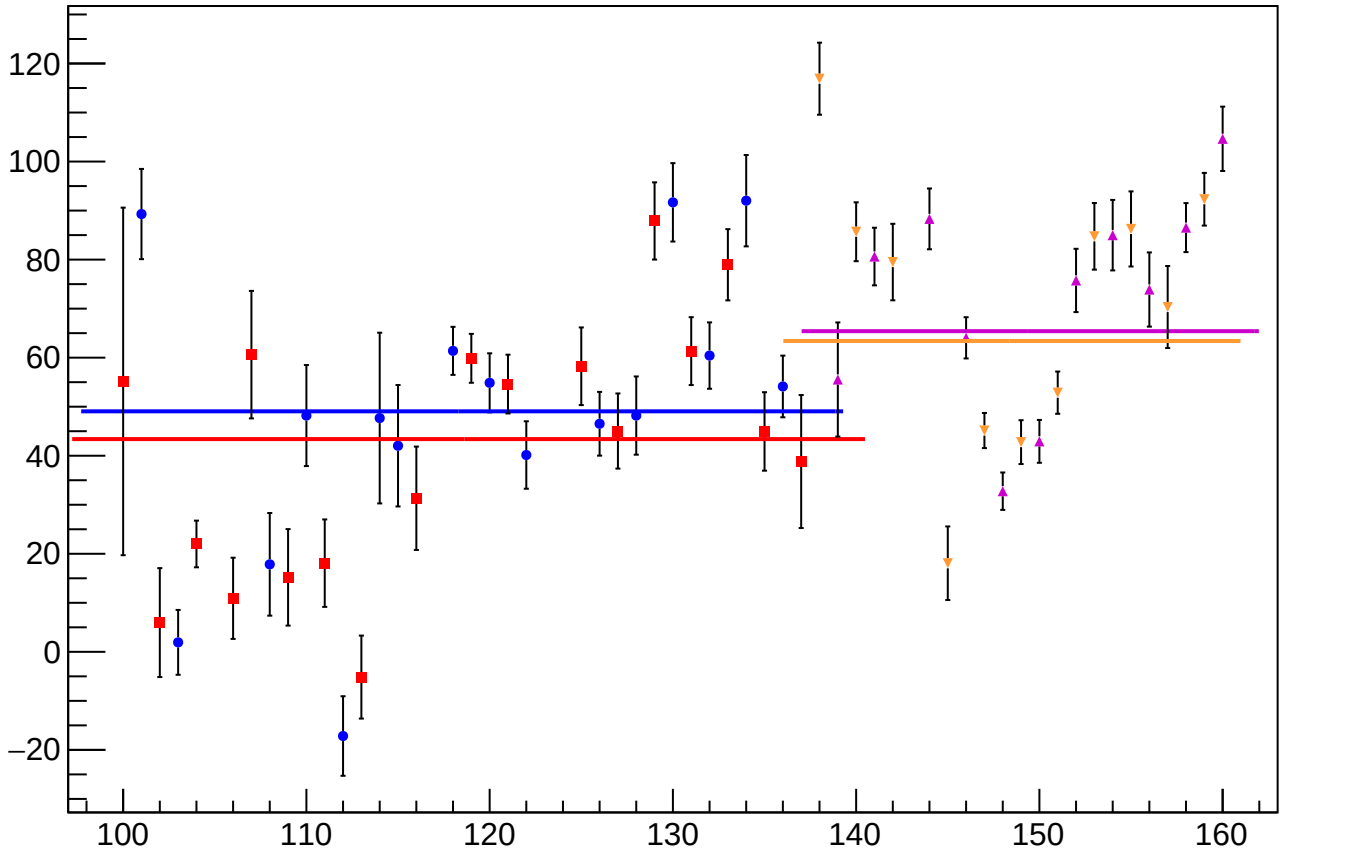
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 367.501+/-2.041 χ^2/NDF:247.5/10

+ sign 346.736+/-1.343 χ^2/NDF: 6592.2/26

All: 343.404+/-0.935 χ^2/NDF: 14873.2/55

- 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: 63.399+/-1.691 χ^2/NDF:209.2/10

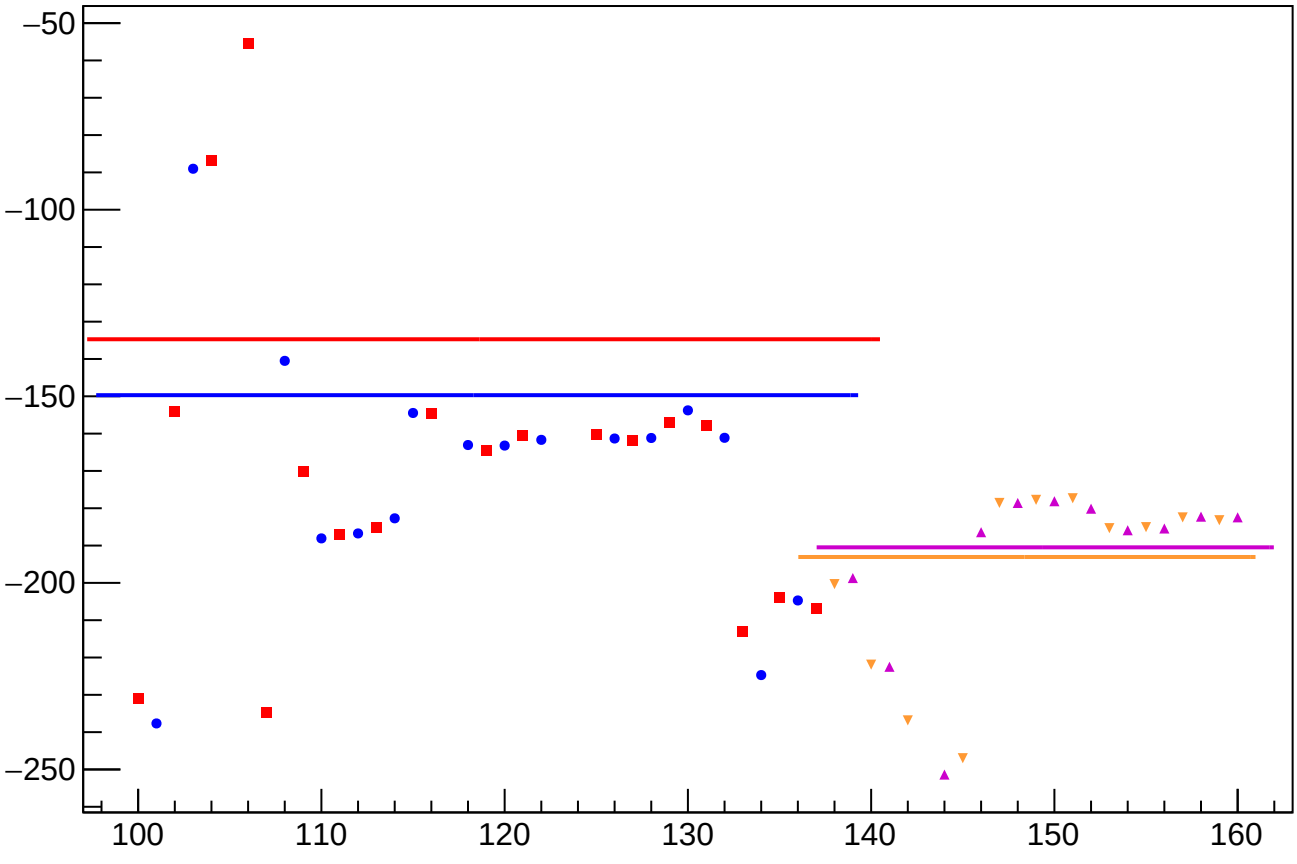
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 65.404+/-1.657 χ^2/NDF:185.7/10

+ sign 56.994+/-1.258 χ^2/NDF: 449.2/26

All: 56.234+/-0.879 χ^2/NDF: 895.0/55

- 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: -193.064+/-0.083 χ^2/NDF:68997.2/10

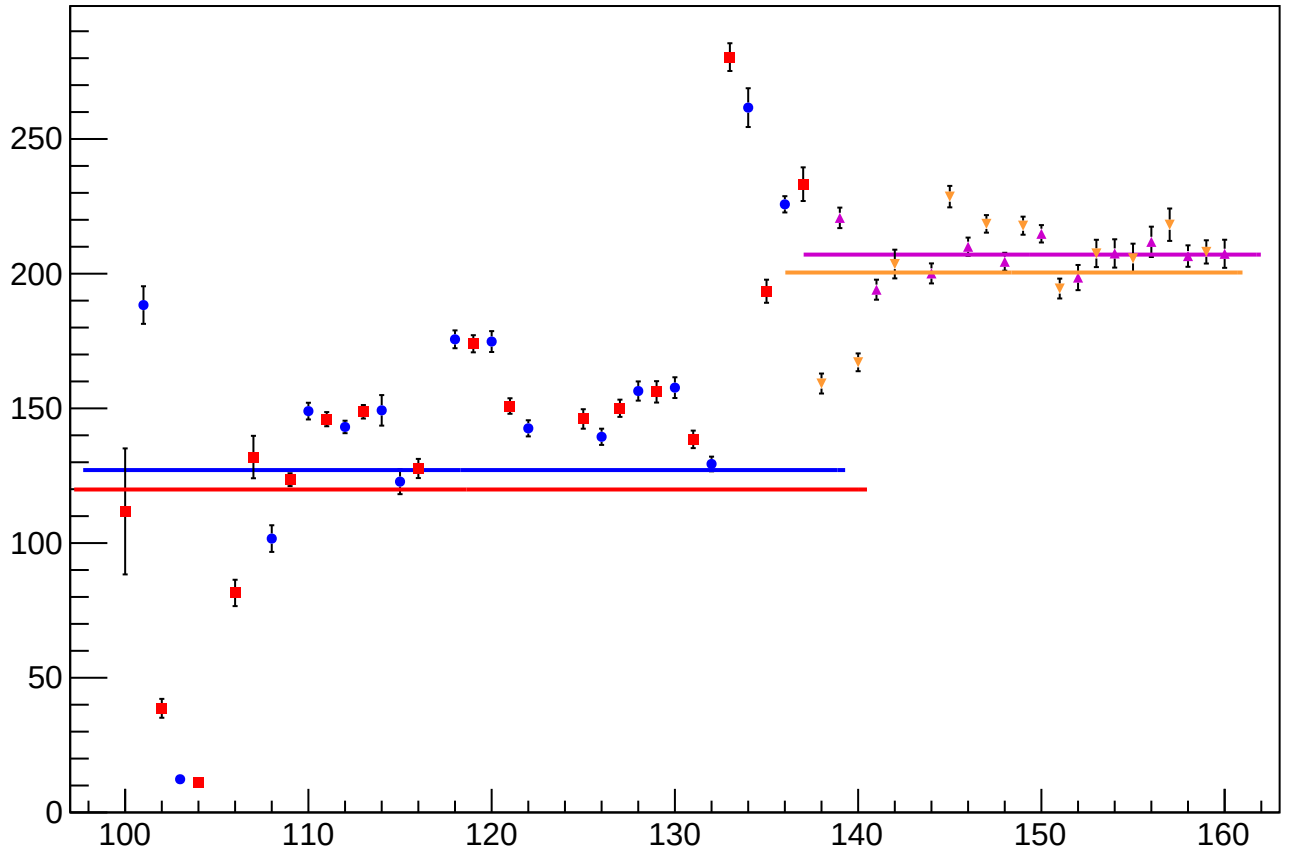
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -190.475+/-0.078 χ^2/NDF:57981.1/10

+ sign -175.669+/-0.064 χ^2/NDF: 436270.9/26

All: -171.927+/-0.044 χ^2/NDF: 1013846.5/55

- sign -168.527+/-0.061 χ^2/NDF: 571018.9/28



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 200.432+/-1.218 χ^2/NDF:350.8/10

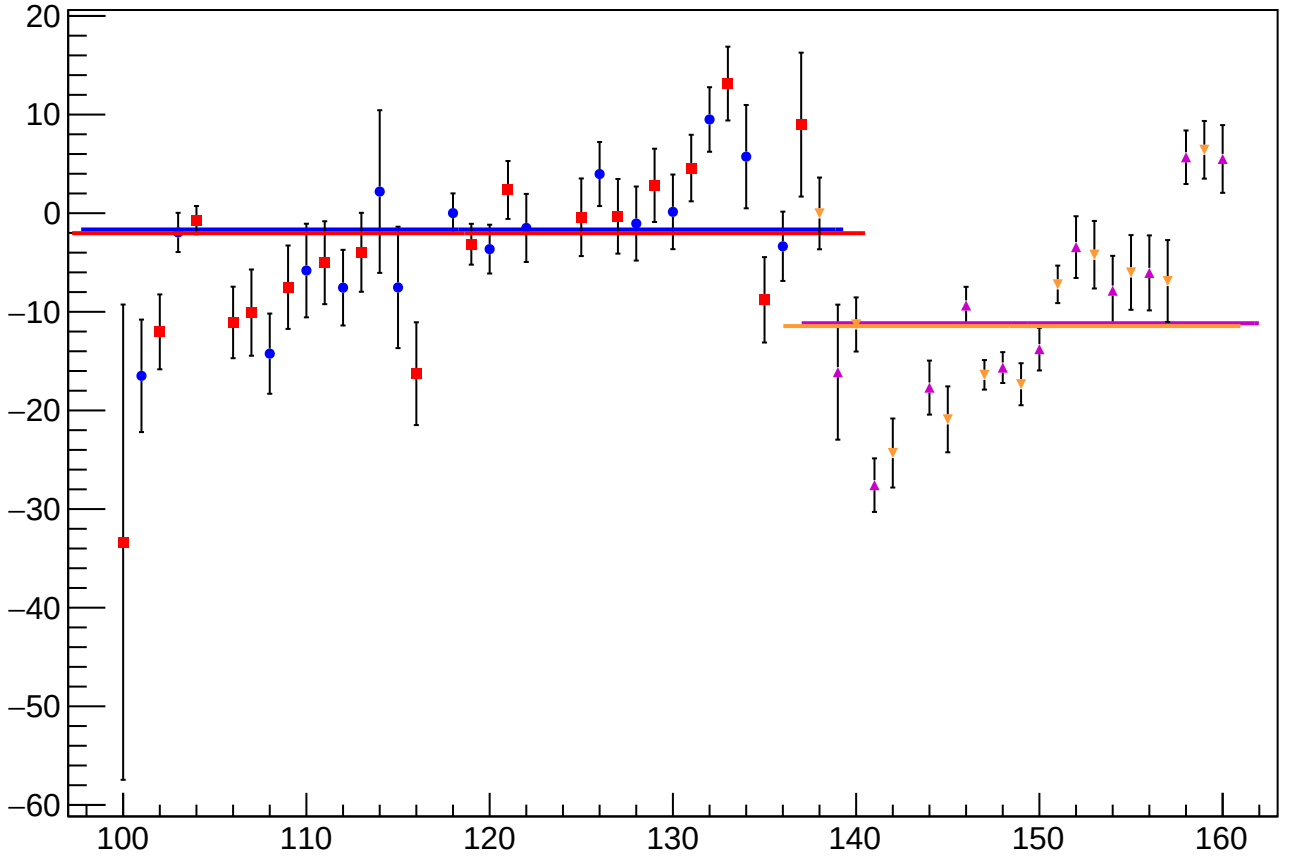
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 207.082+/-1.195 χ^2/NDF:39.8/10

+ sign 149.606+/-0.675 χ^2/NDF: 9024.4/26

All: 147.563+/-0.468 χ^2/NDF: 19482.2/55

- 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: -11.446+/-0.778 χ^2/NDF:100.0/10

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

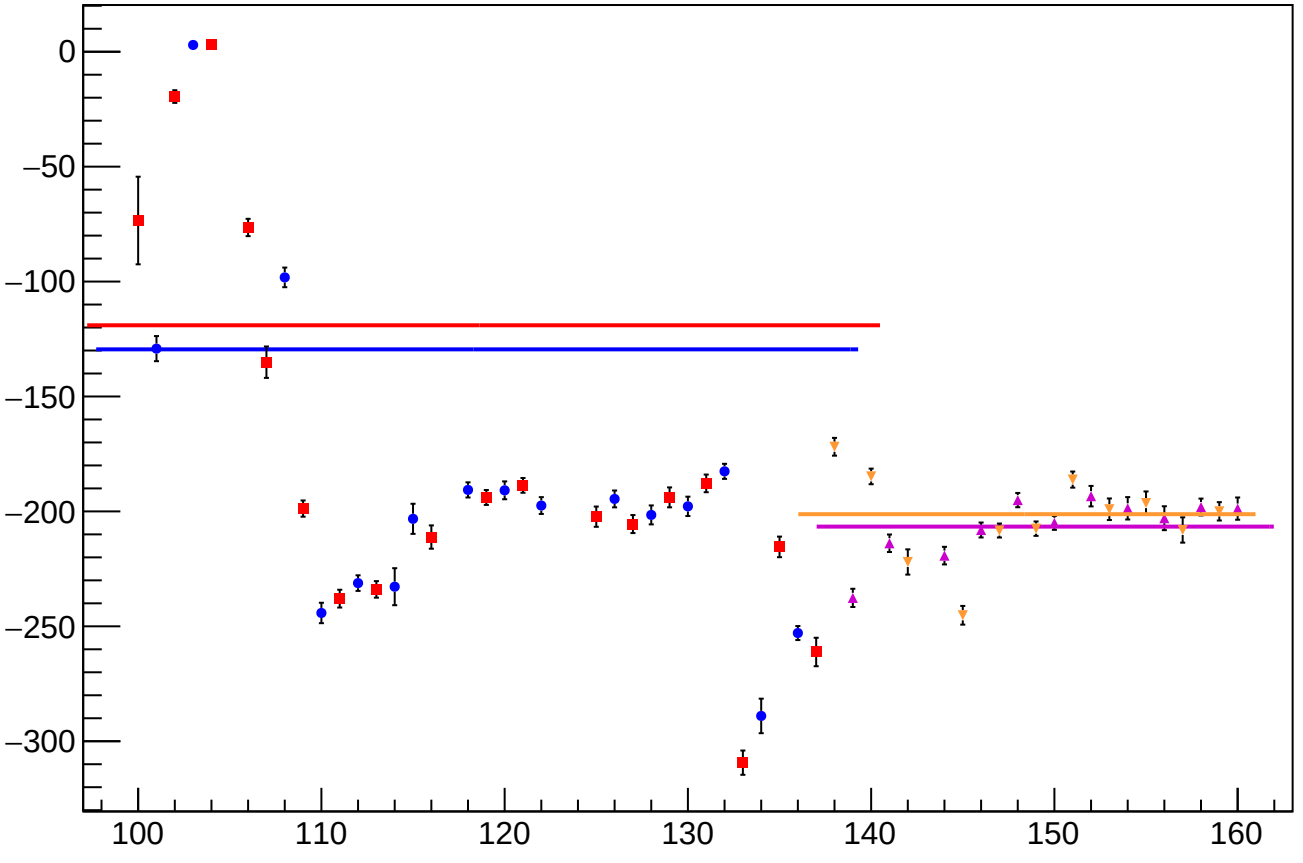
Left In: -11.155+/-0.775 χ^2/NDF:124.1/10

+ sign -6.882+/-0.568 χ^2/NDF: 213.0/26

All: -6.715+/-0.394 χ^2/NDF: 465.6/55

- sign -6.562+/-0.546 χ^2/NDF: 252.5/28

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.215+/-1.179 χ^2/NDF:242.6/10

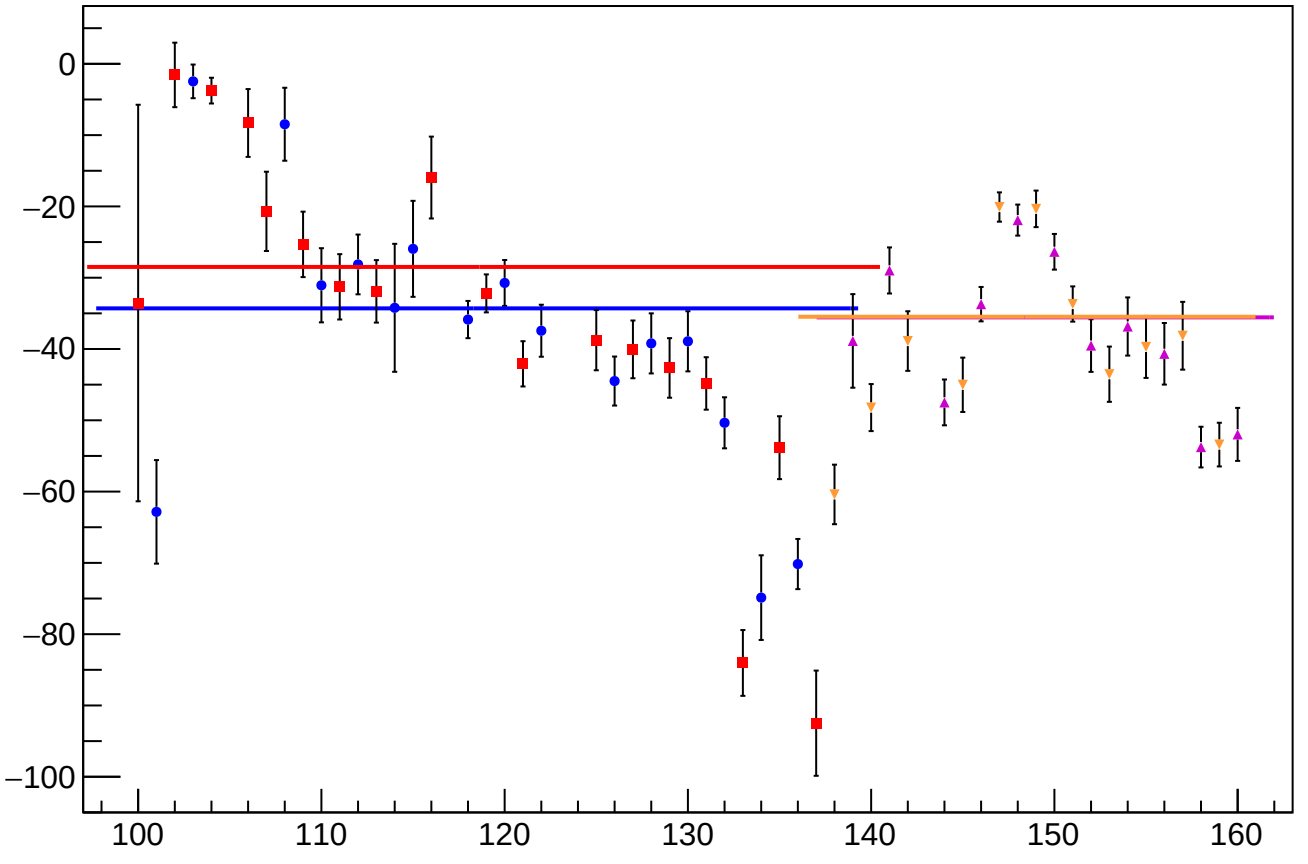
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -206.618+/-1.151 χ^2/NDF:109.9/10

+ sign -153.875+/-0.688 χ^2/NDF: 17371.0/26

All: -150.924+/-0.478 χ^2/NDF: 37559.1/55

- 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: -35.472+/-0.954 χ^2/NDF:188.8/10

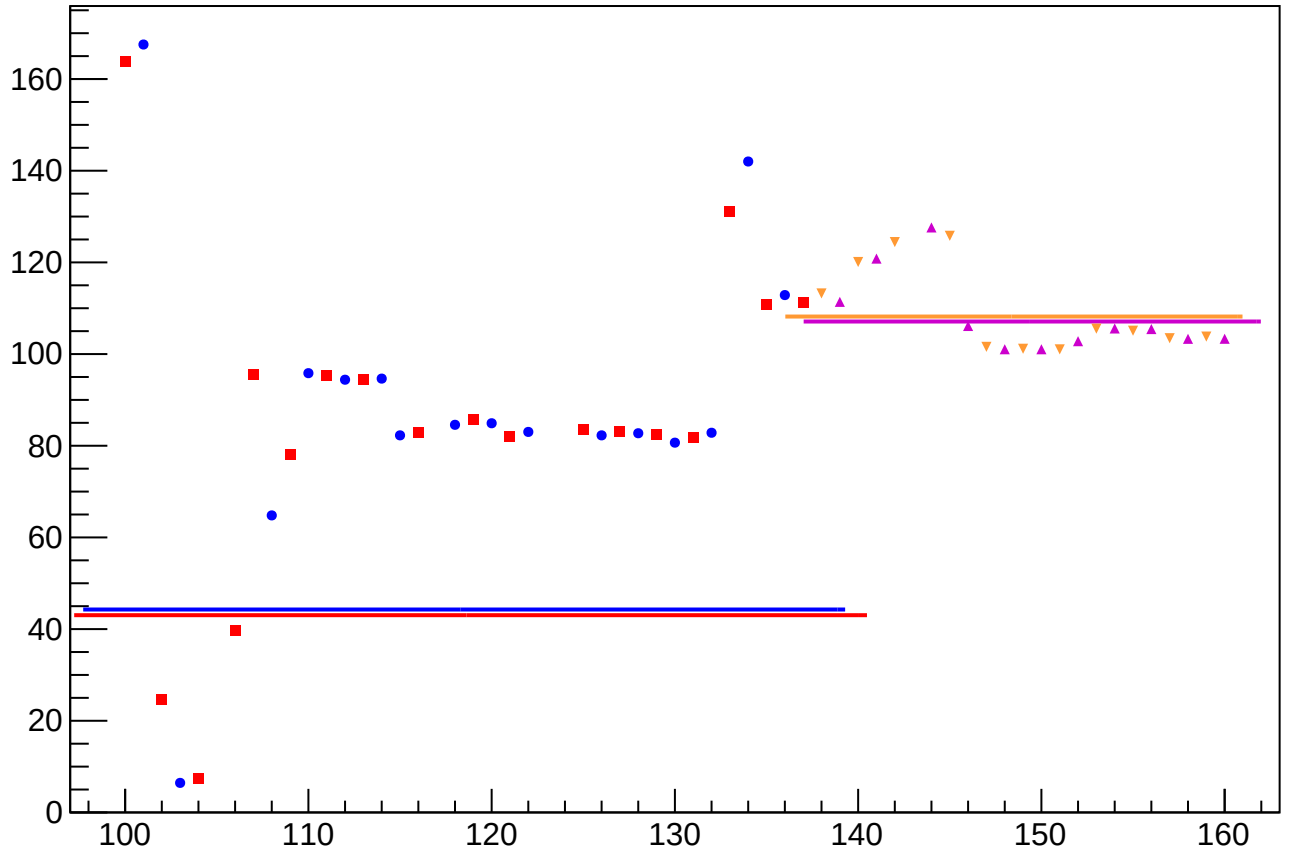
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -35.562+/-0.936 χ^2/NDF:134.3/10

+ sign -34.895+/-0.679 χ^2/NDF: 600.9/26

All: -33.341+/-0.470 χ^2/NDF: 1342.7/55

- 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: 108.188+/-0.046 χ^2/NDF:34488.8/10

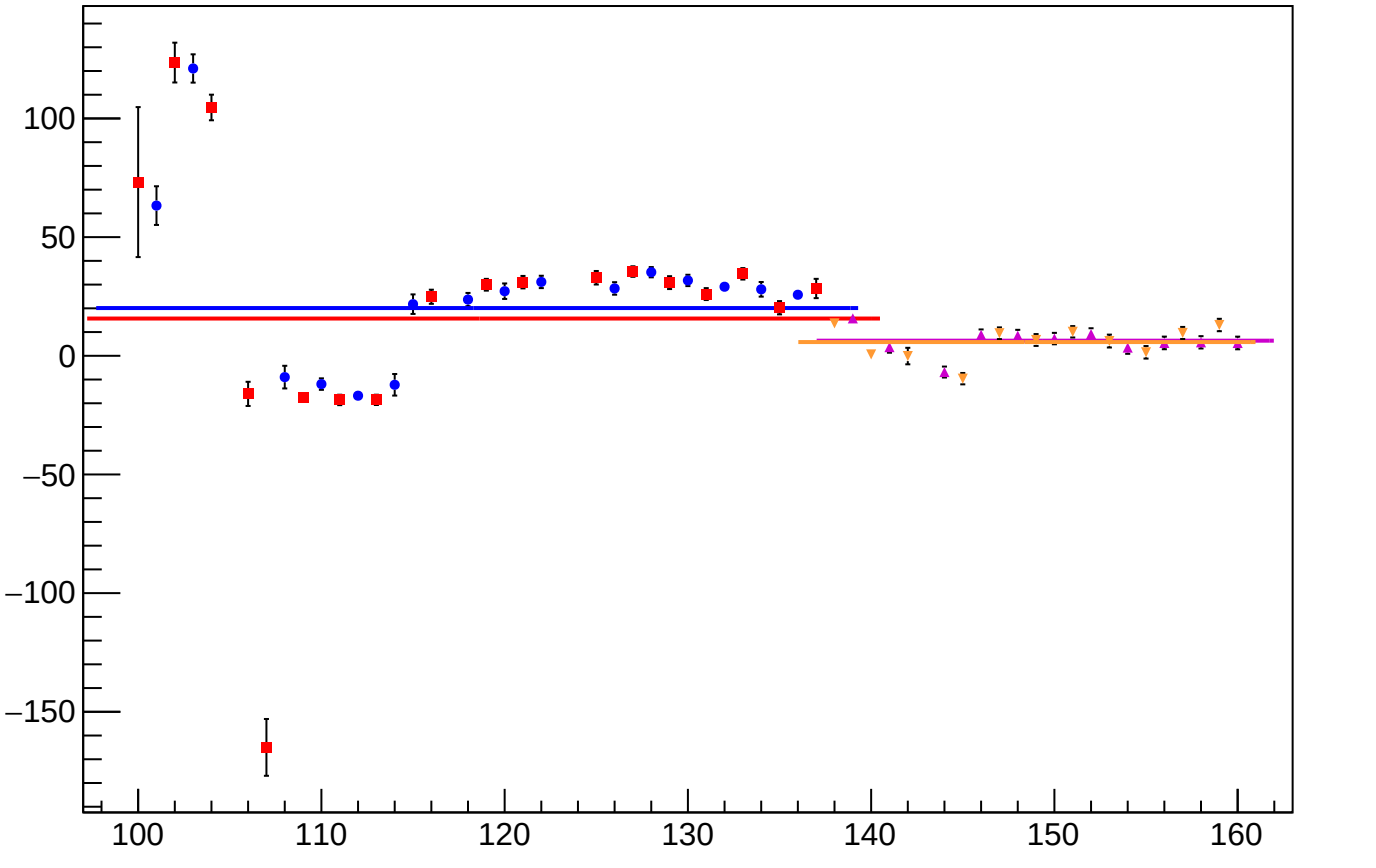
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 107.101+/-0.044 χ^2/NDF:30031.5/10

+ sign 75.158+/-0.032 χ^2/NDF: 2096889.3/26

All: 75.437+/-0.023 χ^2/NDF: 3964036.2/55

- 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: 5.790+/-0.746 χ^2/NDF:82.9/10

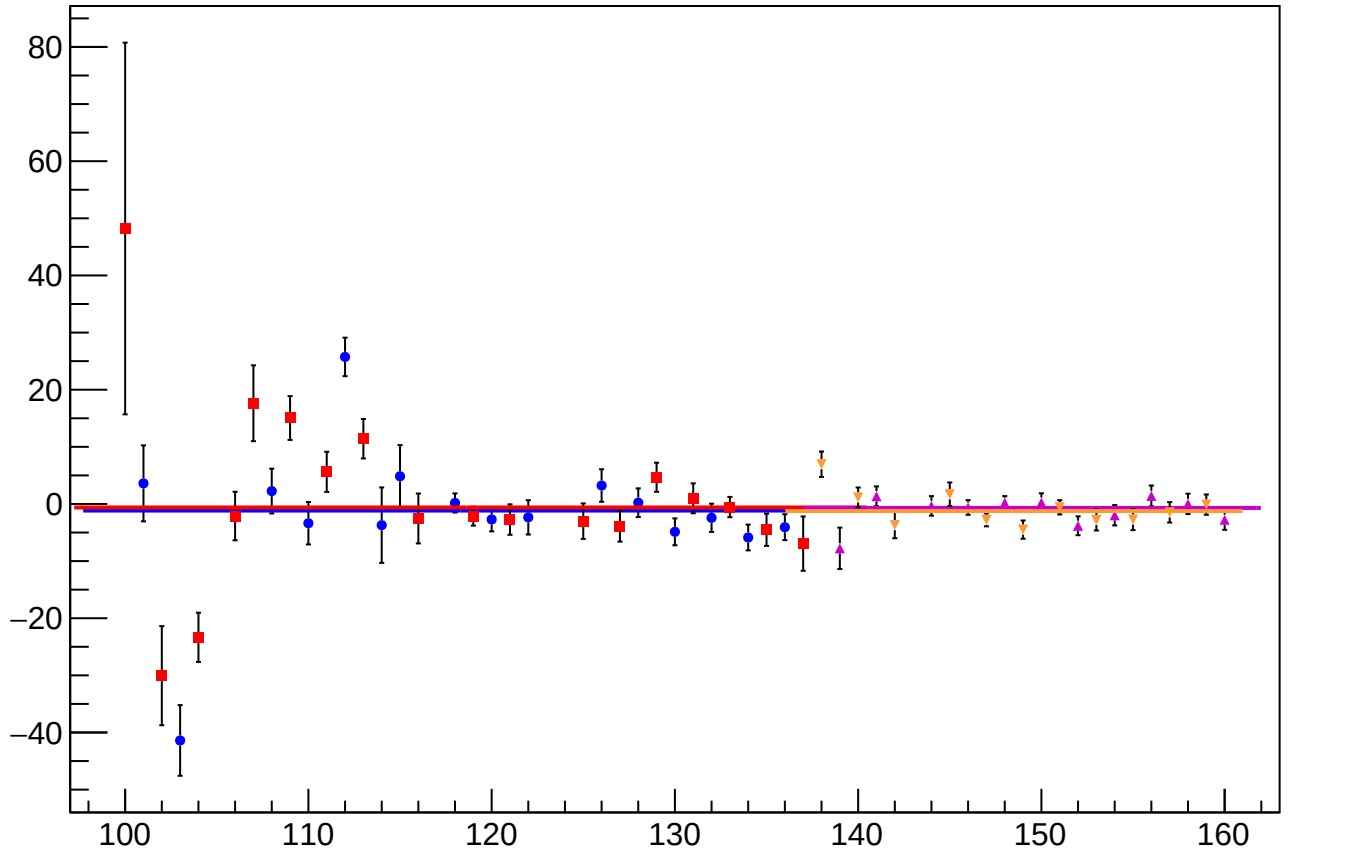
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.370+/-0.728 χ^2/NDF:60.9/10

+ sign 13.544+/-0.505 χ^2/NDF: 1330.5/26

All: 12.425+/-0.355 χ^2/NDF: 3262.4/55

- 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: -1.239+/-0.502 χ^2/NDF:26.7/10

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

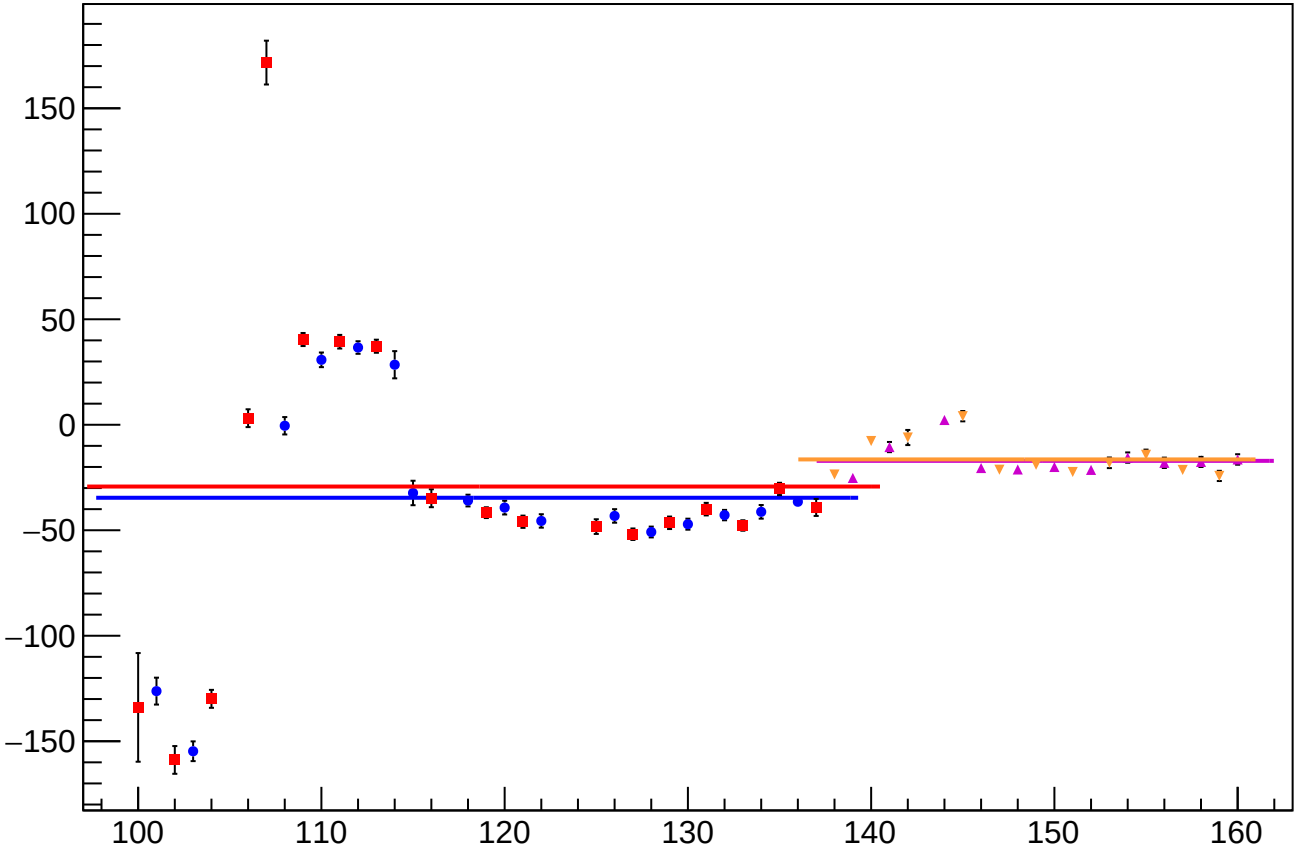
Left In: -0.697+/-0.495 χ^2/NDF:13.1/10

+ sign -1.209+/-0.408 χ^2/NDF: 148.5/26

All: -0.939+/-0.288 χ^2/NDF: 255.9/55

- sign -0.670+/-0.406 χ^2/NDF: 106.5/28

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -16.426+/-0.722 χ^2/NDF:134.9/10

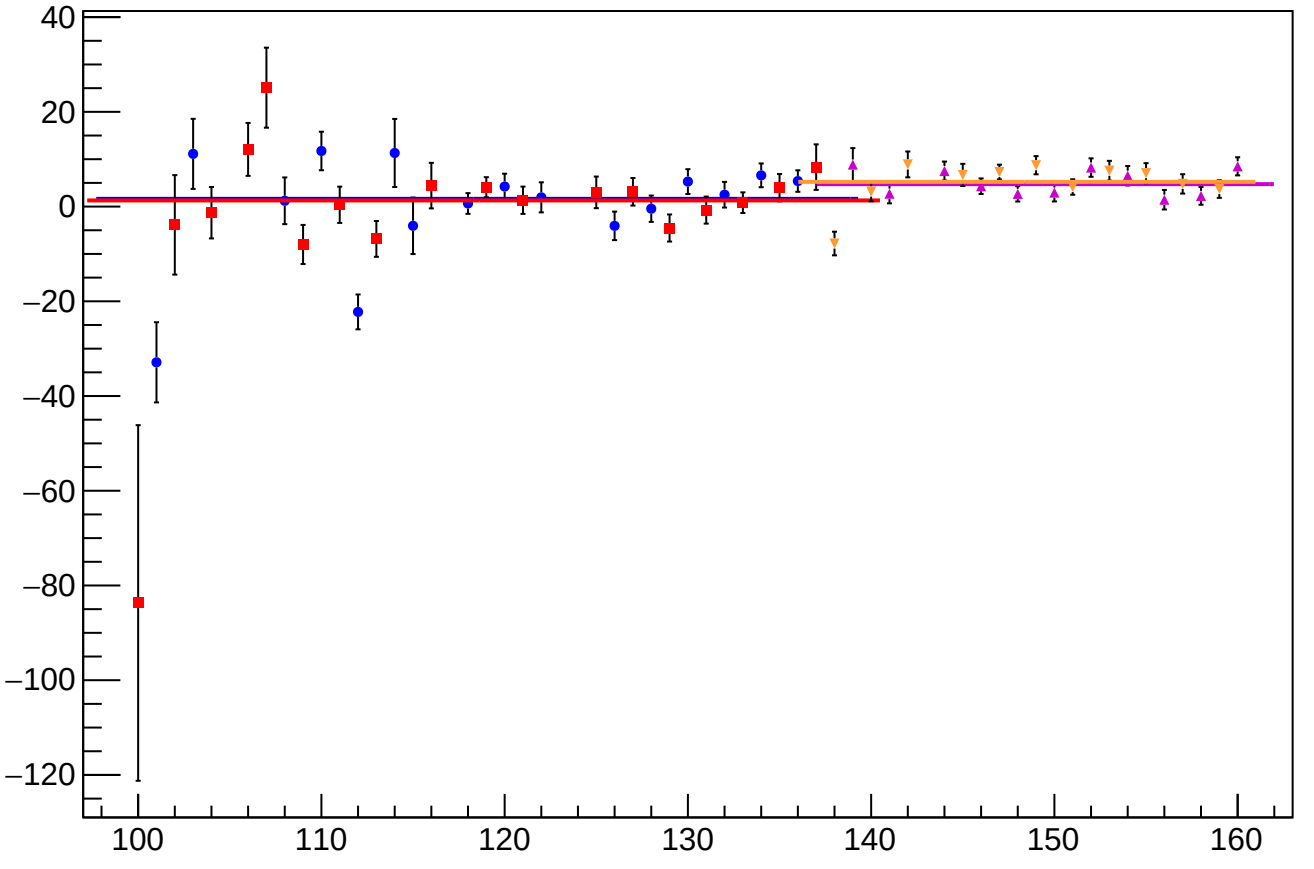
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.106+/-0.703 χ^2/NDF:100.0/10

\+ sign -24.746+/-0.532 χ^2/NDF: 2483.0/26

All: -23.568+/-0.375 χ^2/NDF: 5804.5/55

\- 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: 5.221+/-0.603 χ^2/NDF:38.7/10

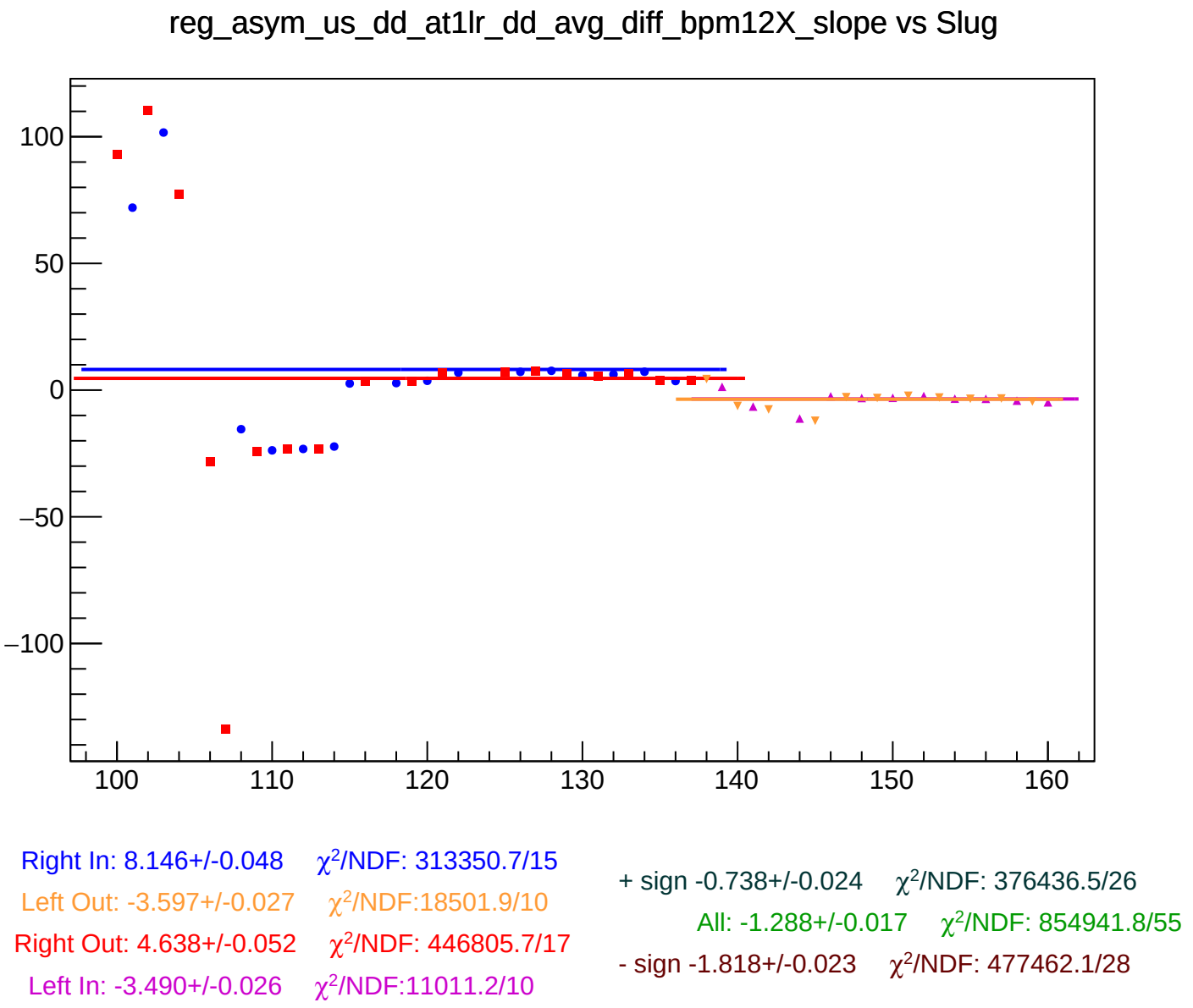
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

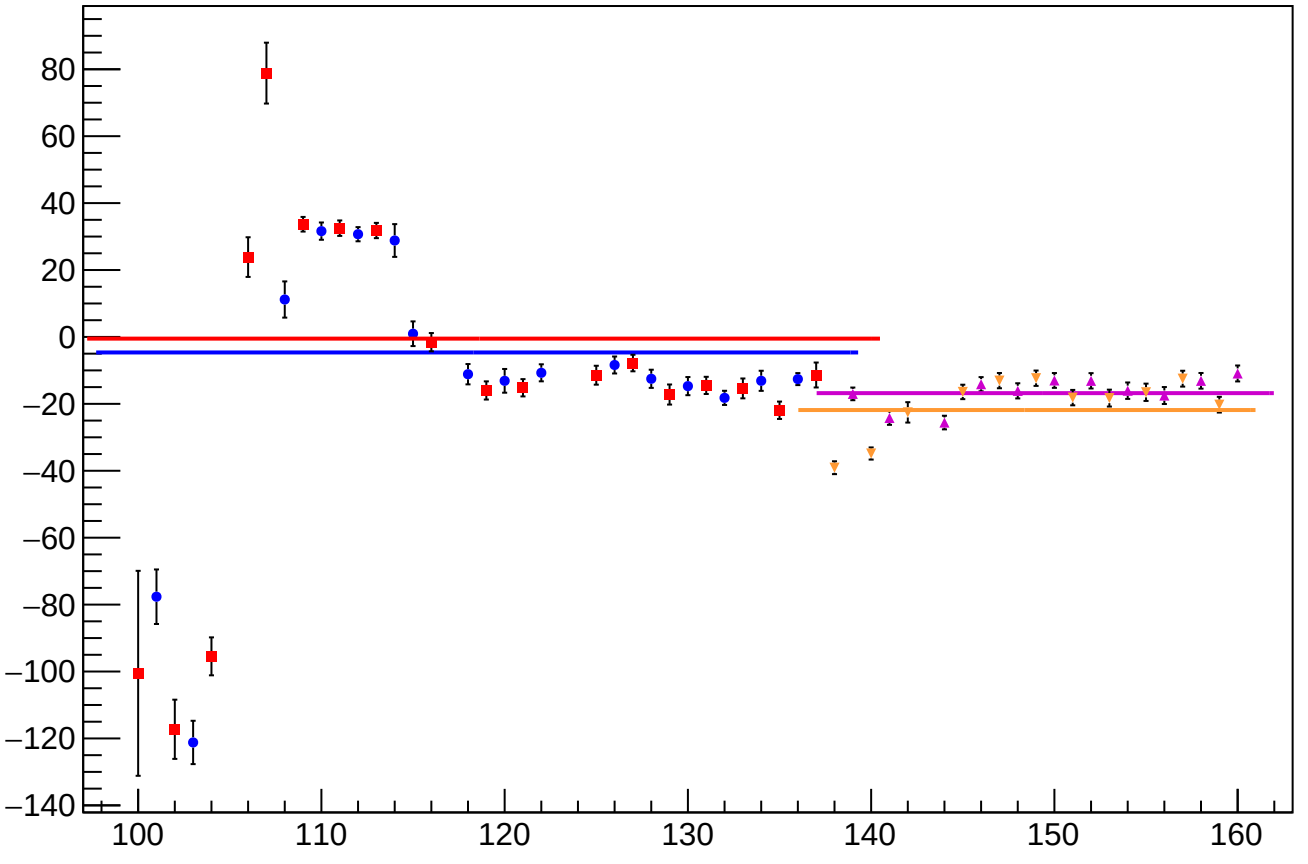
Left In: 4.735+/-0.587 χ^2/NDF:19.0/10

\+ sign 3.913+/-0.481 χ^2/NDF: 134.9/26

All: 3.737+/-0.338 χ^2/NDF: 203.4/55

\- sign 3.565+/-0.477 χ^2/NDF: 68.2/28


reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug
100
50
0
−50
−100
100
110
120
130
140
150
160
Right In: 8.146+/-0.048 χ²/NDF: 313350.7/15
Left Out: -3.597+/-0.027 χ²/NDF:18501.9/10
Right Out: 4.638+/-0.052 χ²/NDF: 446805.7/17
Left In: -3.490+/-0.026 χ²/NDF:11011.2/10
+ sign -0.738+/-0.024 χ²/NDF: 376436.5/26
All: -1.288+/-0.017 χ²/NDF: 854941.8/55
- sign -1.818+/-0.023 χ²/NDF: 477462.1/28



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -21.849+/-0.685 χ^2/NDF:194.7/10

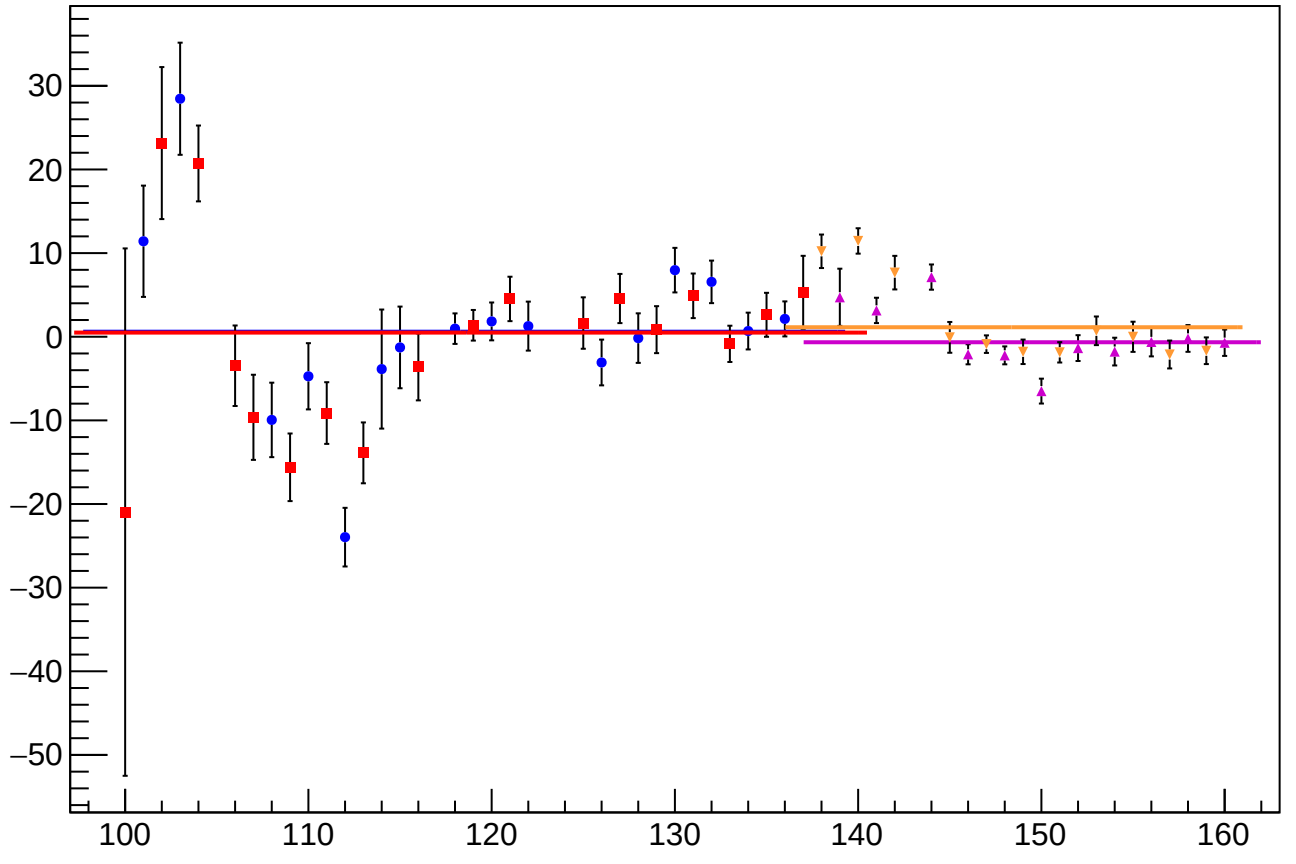
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -16.797+/-0.667 χ^2/NDF:47.4/10

+ sign -13.574+/-0.493 χ^2/NDF: 1544.6/26

All: -11.338+/-0.346 χ^2/NDF: 3369.5/55

- 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: 1.135+/-0.462 χ^2/NDF:98.9/10

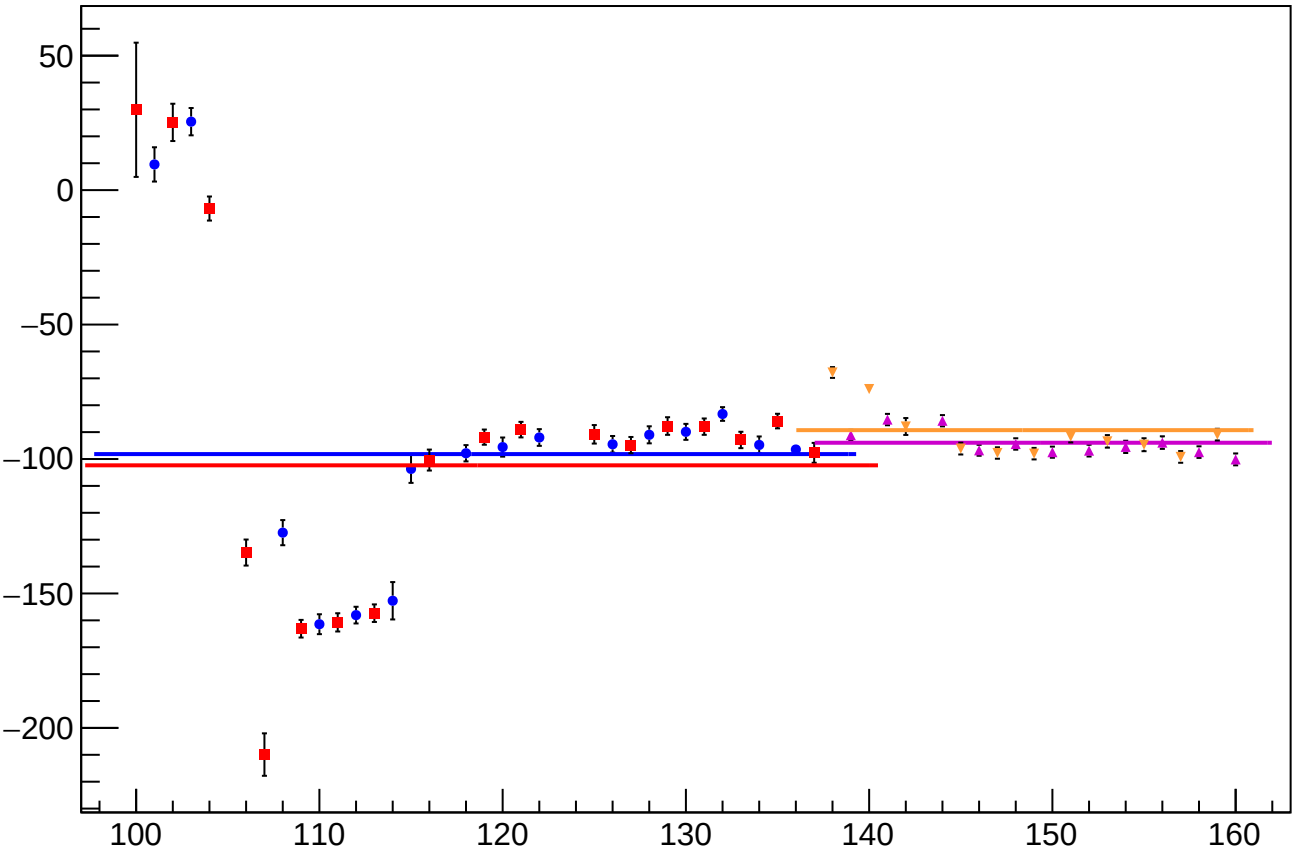
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.658+/-0.452 χ^2/NDF:55.2/10

+ sign 0.982+/-0.390 χ^2/NDF: 192.2/26

All: 0.310+/-0.275 χ^2/NDF: 335.2/55

- 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: -89.267+/-0.664 χ^2/NDF:254.4/10

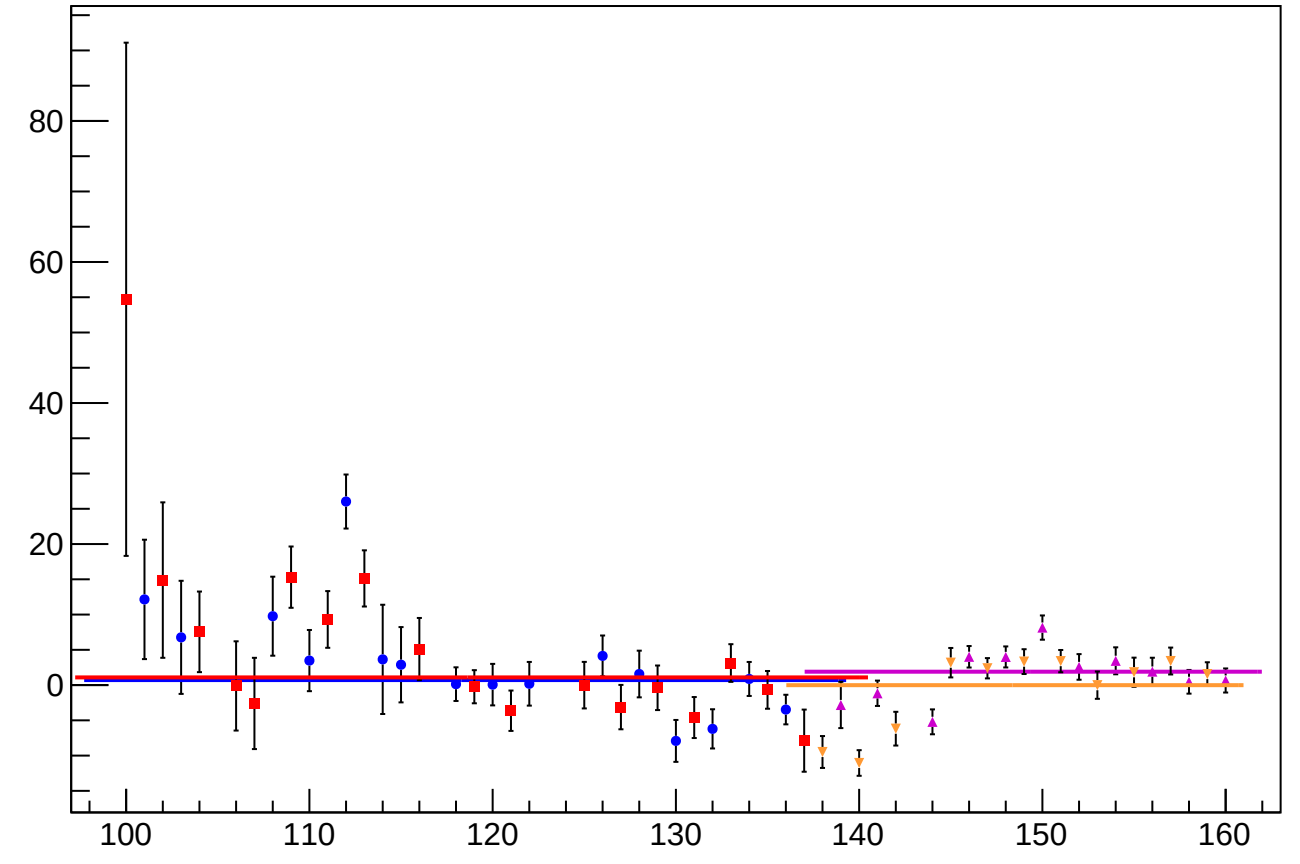
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -93.950+/-0.644 χ^2/NDF:51.4/10

+ sign -92.833+/-0.514 χ^2/NDF: 2026.2/26

All: -94.970+/-0.362 χ^2/NDF: 4292.6/55

- 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: -0.012+/-0.555 χ^2/NDF:79.4/10

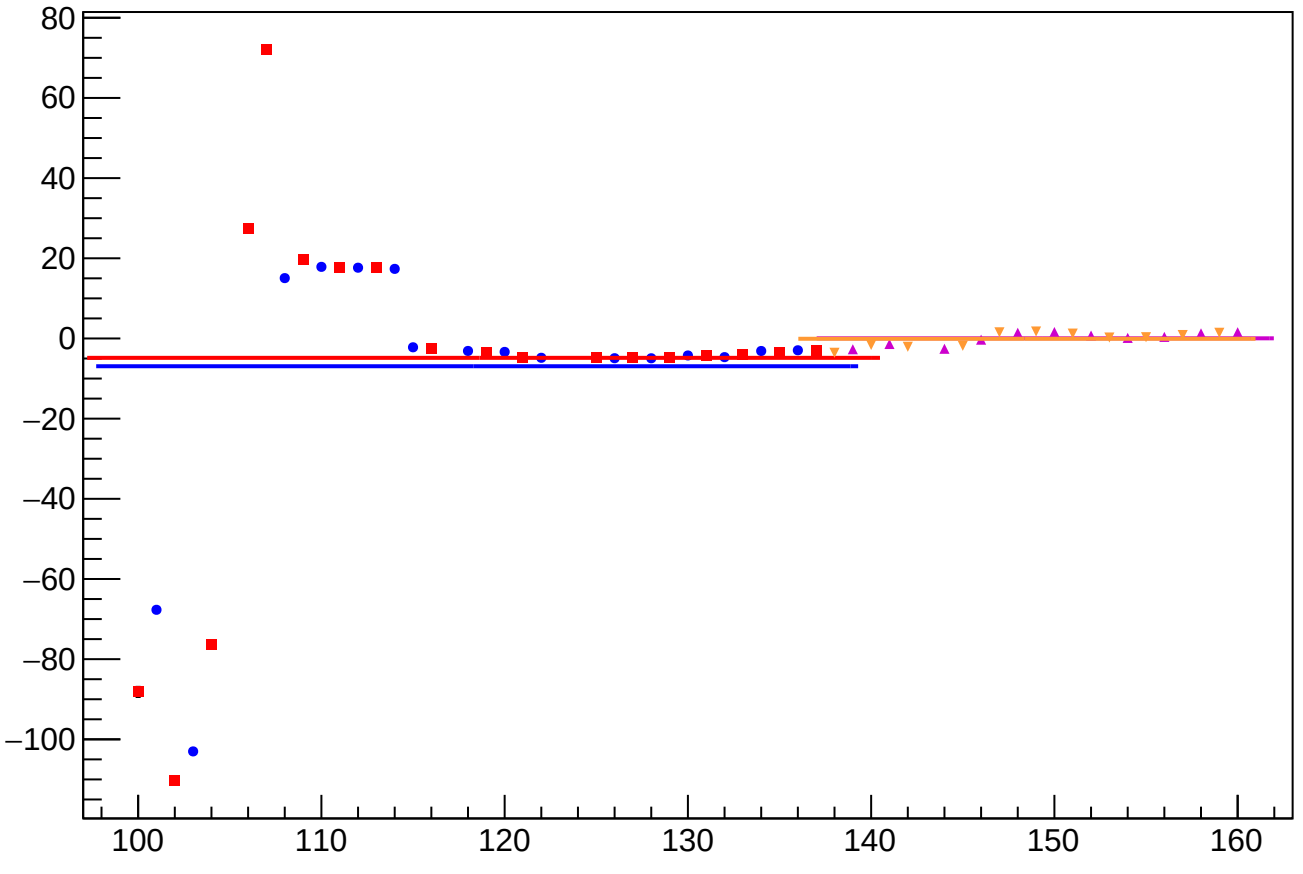
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 1.898+/-0.536 χ^2/NDF:40.4/10

+ sign 0.215+/-0.460 χ^2/NDF: 149.5/26

All: 0.951+/-0.323 χ^2/NDF: 243.2/55

- 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: -0.075+/-0.025 χ^2/NDF:4471.3/10

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

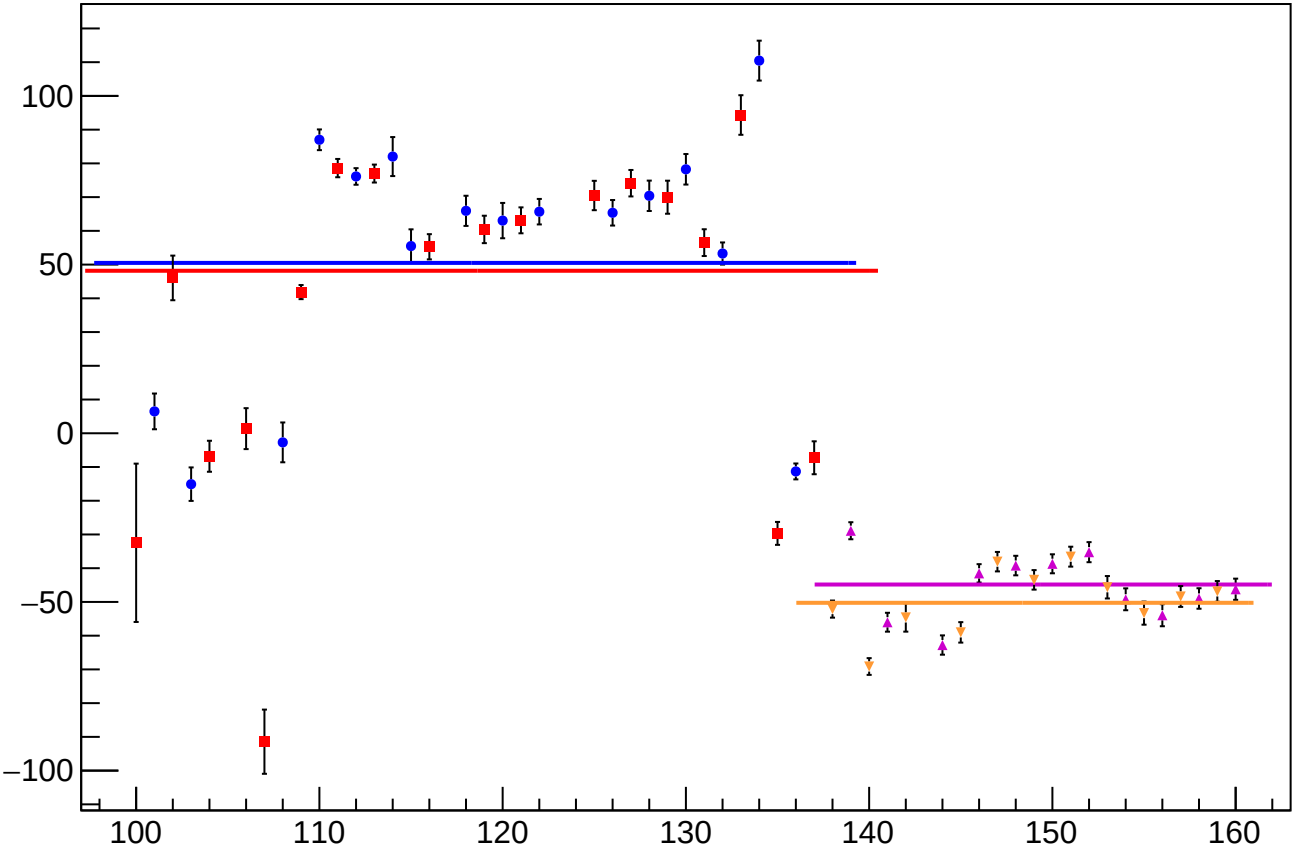
Left In: 0.037+/-0.024 χ^2/NDF:3916.1/10

+ sign -1.544+/-0.022 χ^2/NDF: 285321.2/26

All: -1.168+/-0.016 χ^2/NDF: 636180.0/55

- 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: -50.256+/-0.904 χ^2/NDF:117.0/10

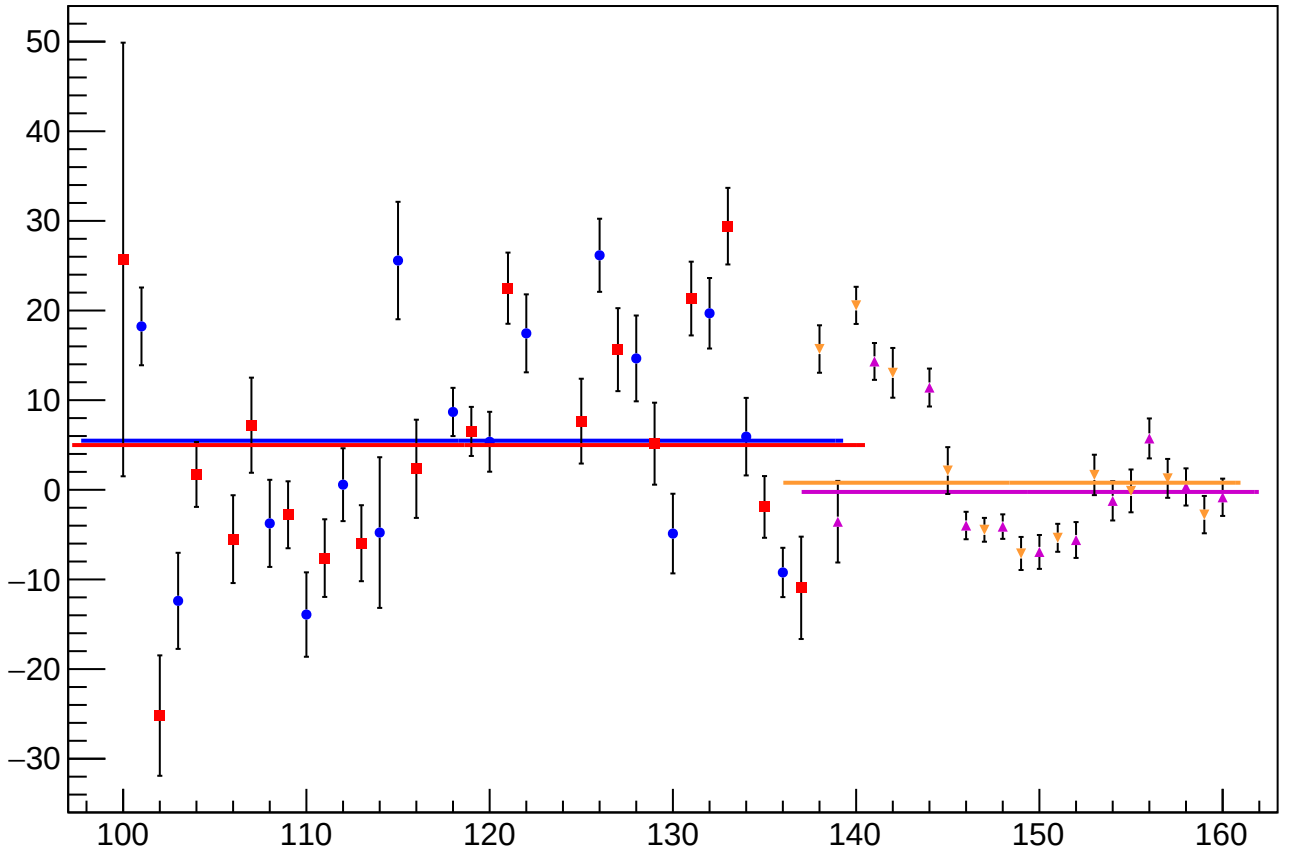
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -44.836+/-0.877 χ^2/NDF:127.2/10

\+ sign -3.189+/-0.660 χ^2/NDF: 7426.1/26

All: -1.655+/-0.457 χ^2/NDF: 14469.9/55

\- 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: 0.790+/-0.604 χ^2/NDF:195.4/10

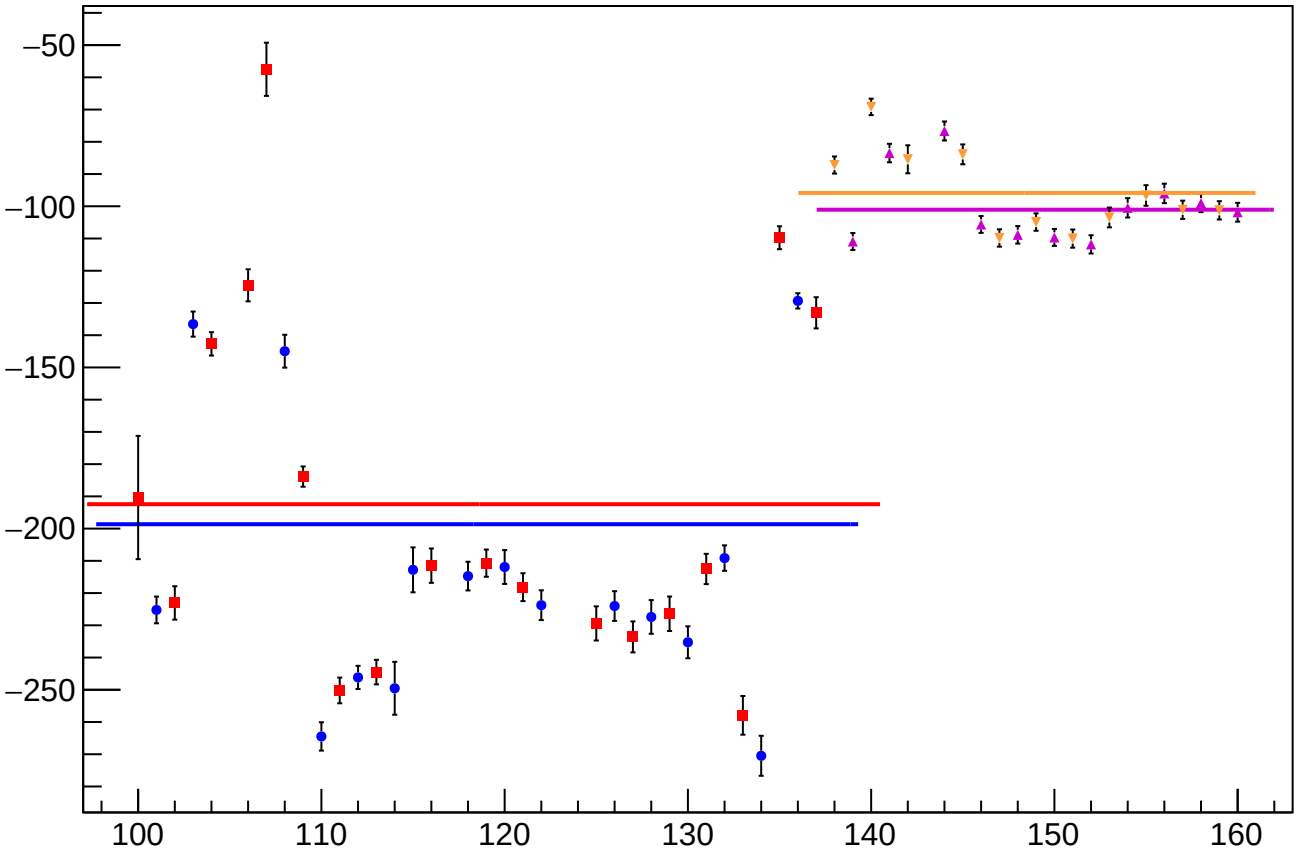
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -0.238+/-0.590 χ^2/NDF:122.3/10

+ sign 2.007+/-0.520 χ^2/NDF: 349.2/26

All: 1.529+/-0.365 χ^2/NDF: 624.5/55

- 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: -95.865+/-0.875 χ^2/NDF:217.5/10

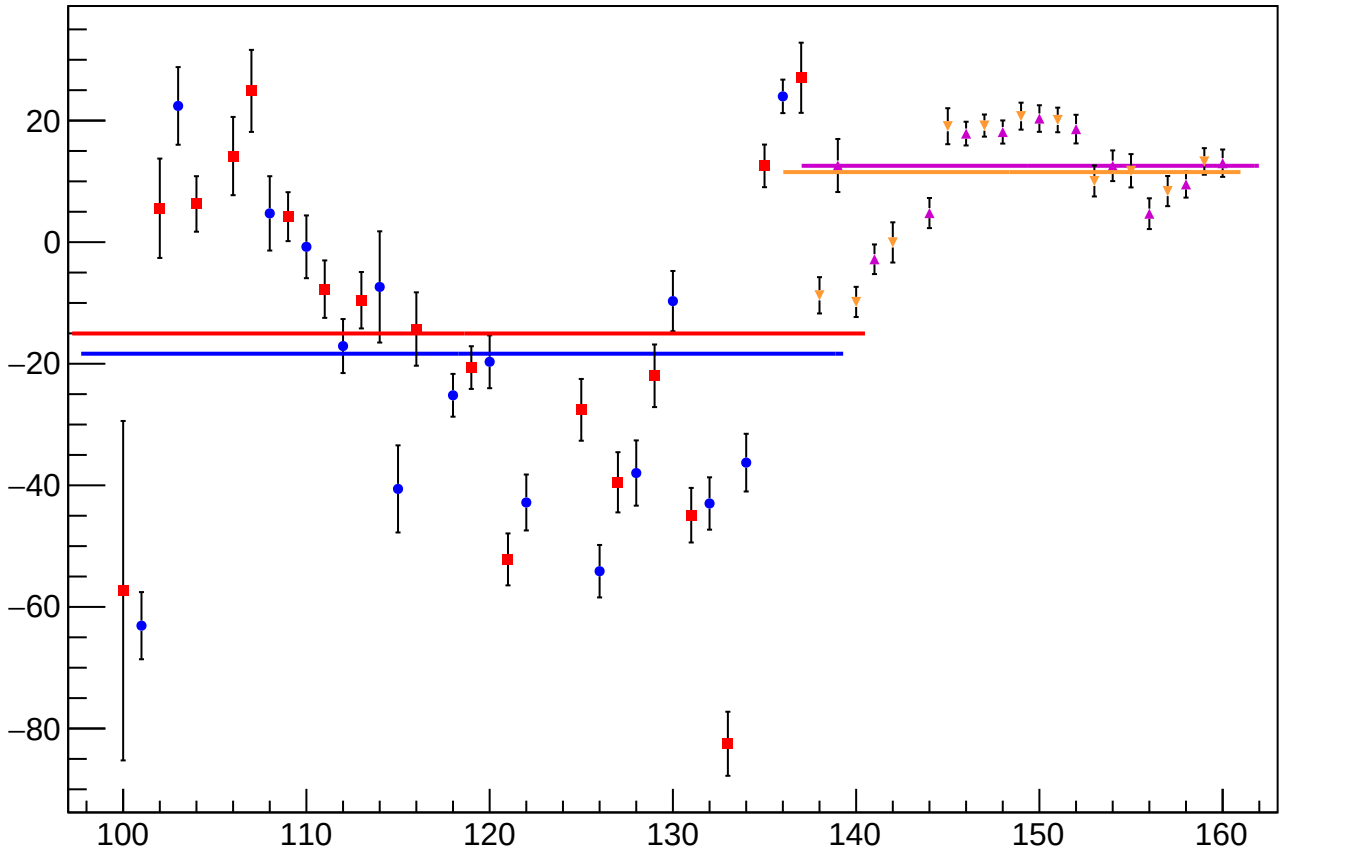
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.067+/-0.846 χ^2/NDF:160.1/10

+ sign -136.415+/-0.681 χ^2/NDF: 7668.5/26

All: -136.101+/-0.476 χ^2/NDF: 14405.5/55

- 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: 11.526+/-0.728 χ^2/NDF:194.3/10

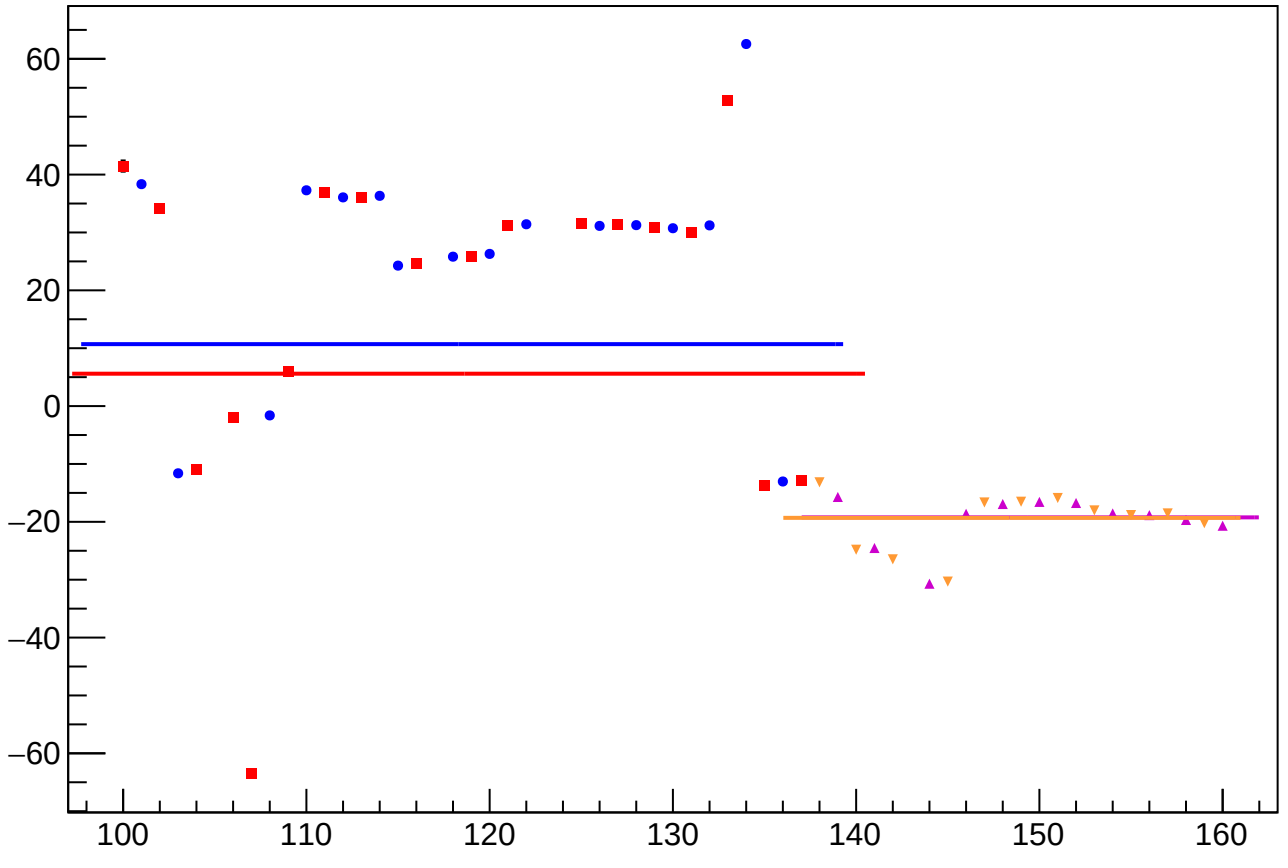
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 12.562+/-0.701 χ^2/NDF:96.4/10

+ sign 3.083+/-0.616 χ^2/NDF: 1214.5/26

All: 4.167+/-0.430 χ^2/NDF: 2276.6/55

- 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: -19.312+/-0.033 χ^2/NDF:18077.0/10

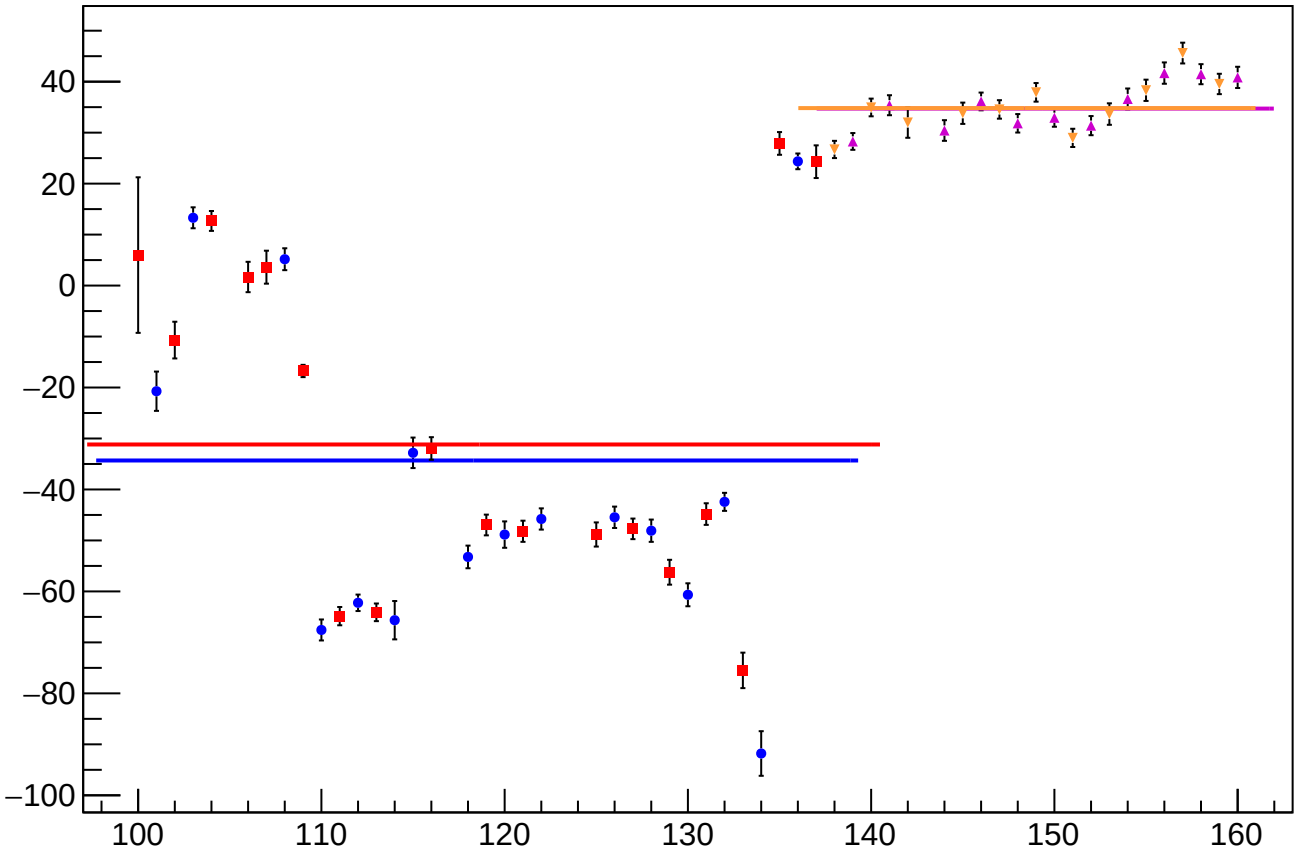
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -19.230+/-0.032 χ^2/NDF:12990.6/10

\+ sign -12.723+/-0.029 χ^2/NDF: 360656.2/26

All: -13.537+/-0.020 χ^2/NDF: 652072.7/55

\- sign -14.292+/-0.028 χ^2/NDF: 289946.5/28



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 34.815+/-0.589 χ^2/NDF:74.5/10

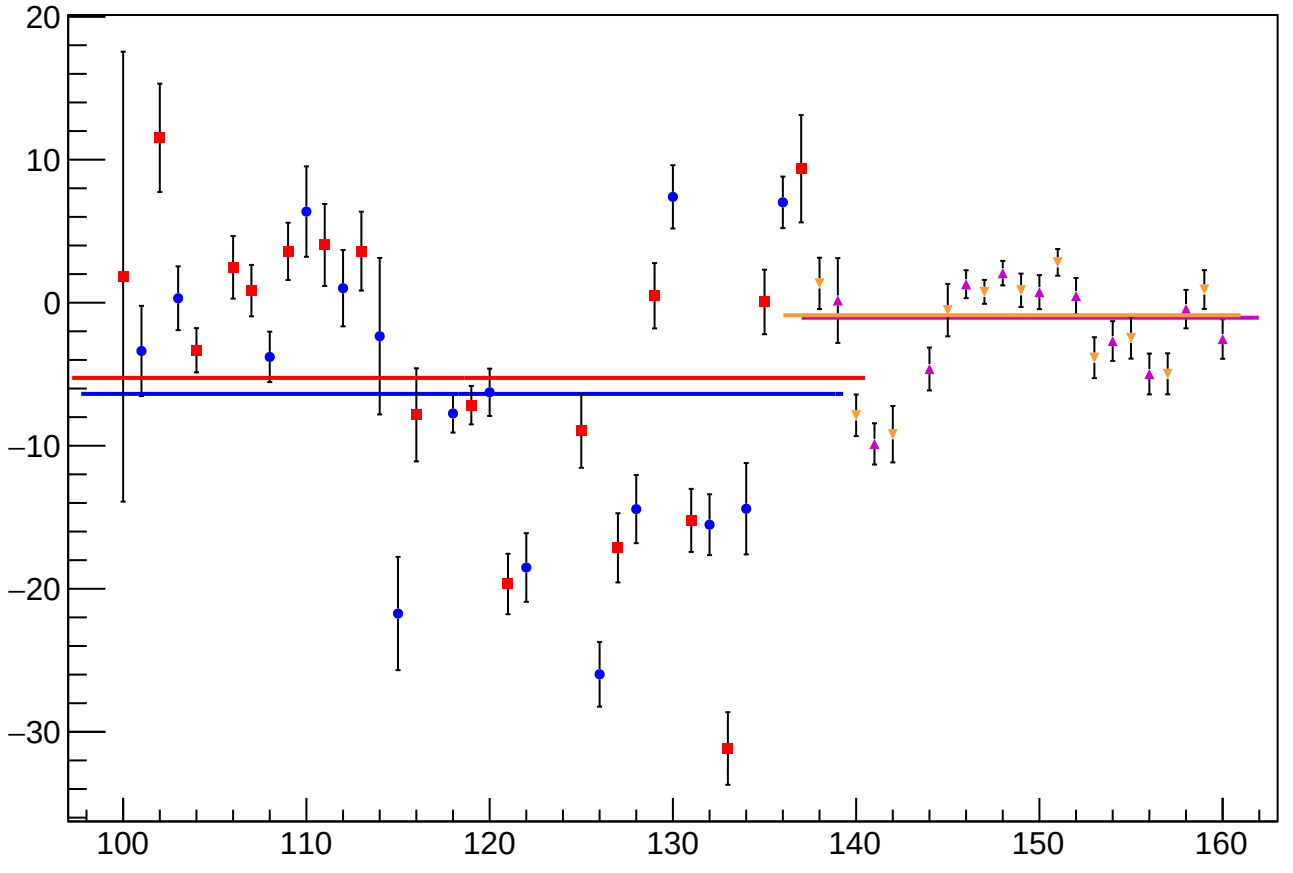
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 34.719+/-0.571 χ^2/NDF:59.7/10

\+ sign -2.236+/-0.401 χ^2/NDF: 10965.3/26

All: -1.890+/-0.277 χ^2/NDF: 21559.8/55

\- 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: -0.875+/-0.388 χ^2/NDF:79.6/10

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

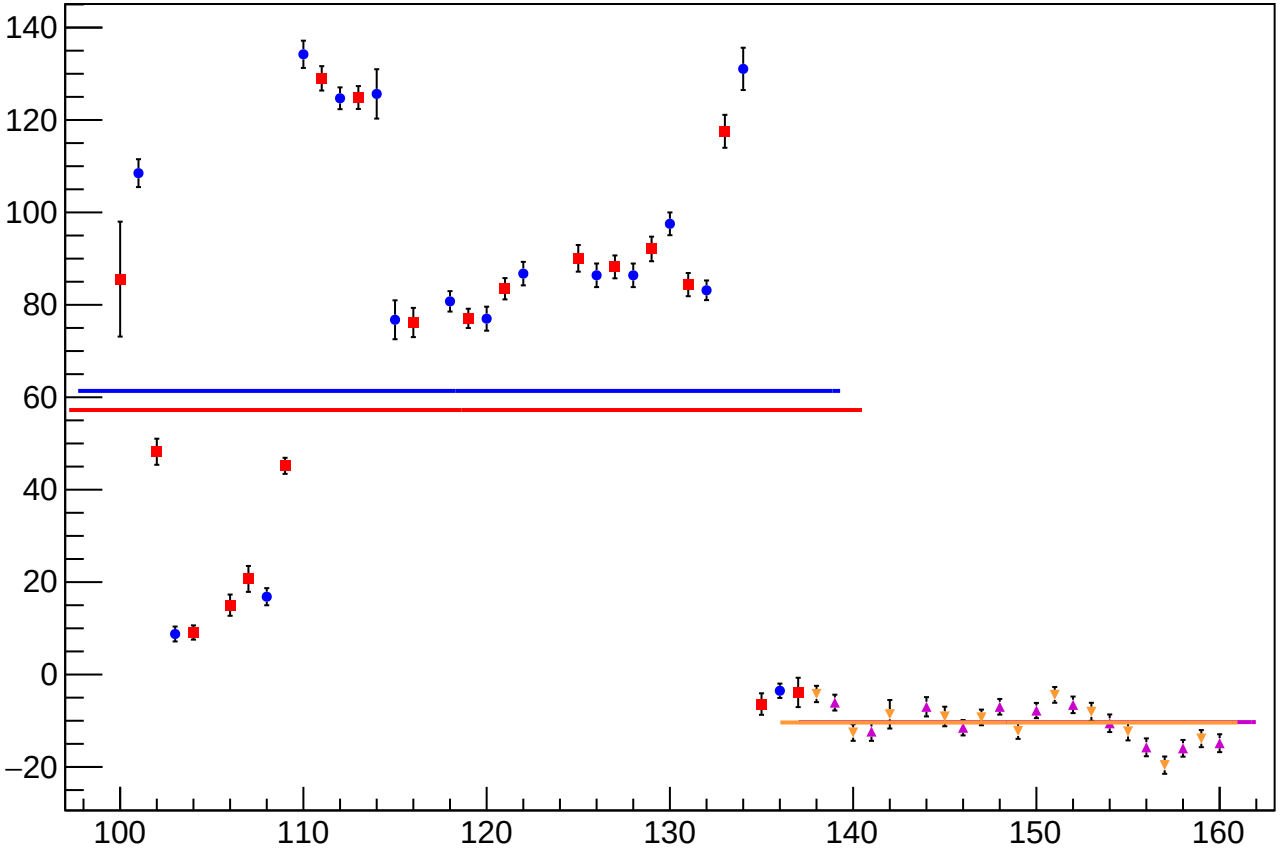
Left In: -1.048+/-0.381 χ^2/NDF:76.4/10

+ sign -2.687+/-0.318 χ^2/NDF: 429.4/26

All: -2.578+/-0.222 χ^2/NDF: 860.2/55

- 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: -10.371+/-0.568 χ^2/NDF:58.5/10

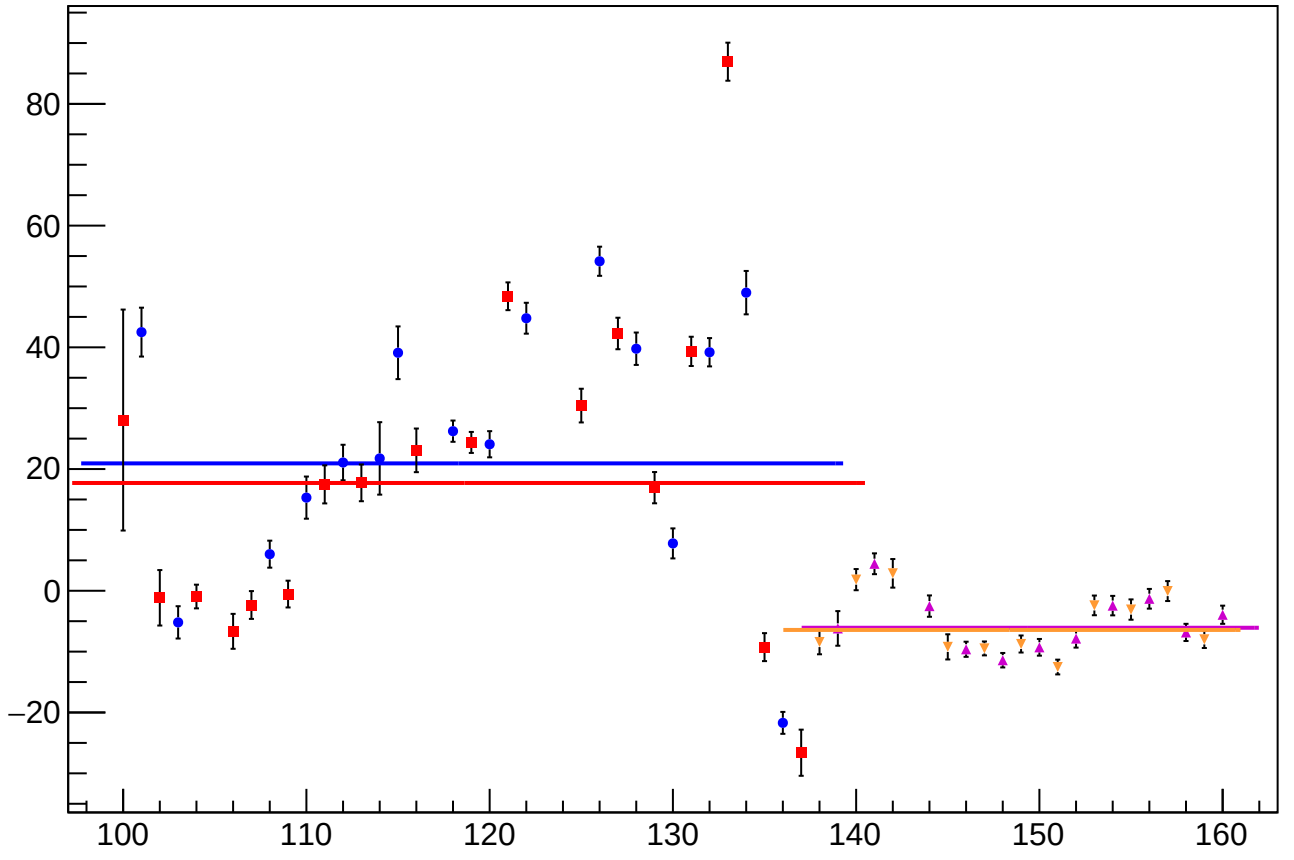
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -10.288+/-0.549 χ^2/NDF:43.9/10

+ sign 23.849+/-0.410 χ^2/NDF: 13748.6/26

All: 22.699+/-0.286 χ^2/NDF: 26222.2/55

- 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: -6.437+/-0.469 χ^2/NDF:102.6/10

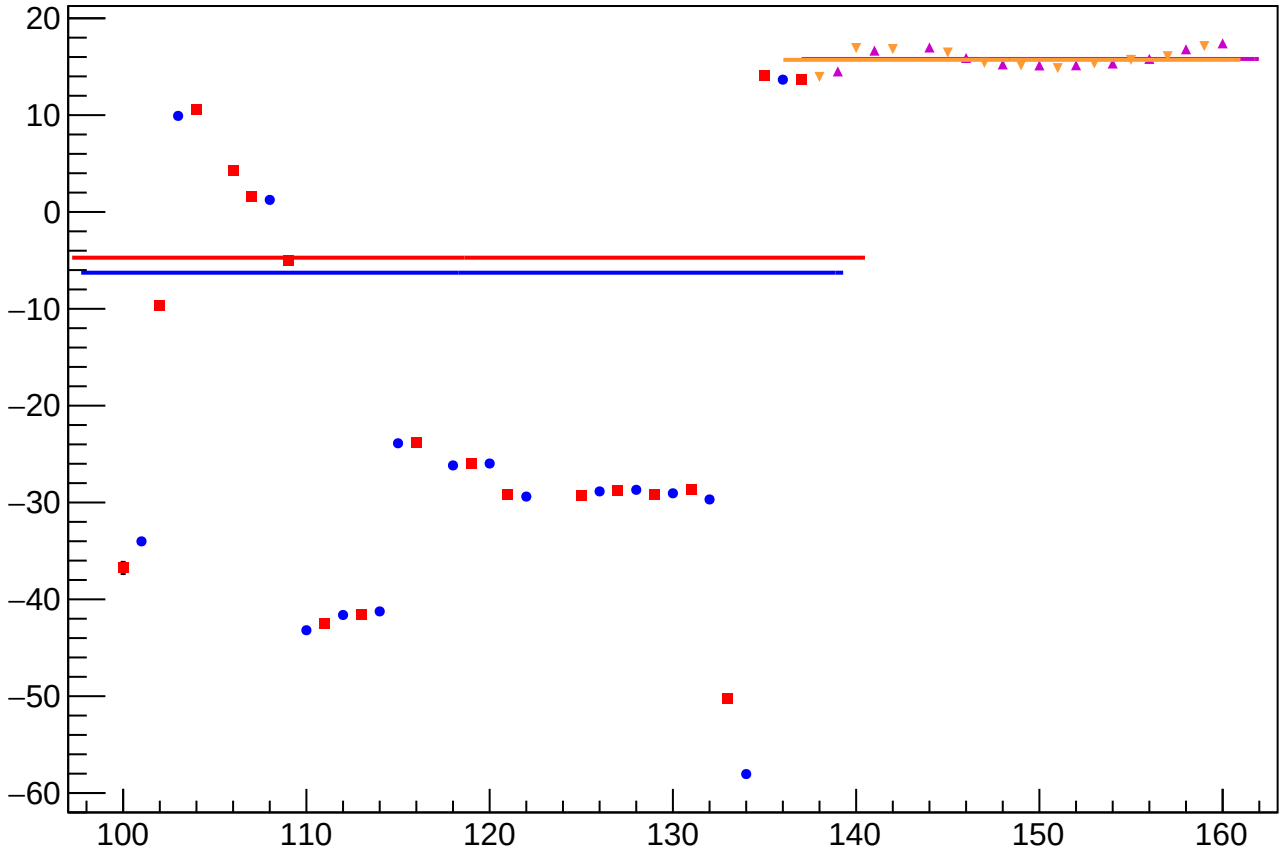
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -6.079+/-0.454 χ^2/NDF:93.1/10

+ sign 3.114+/-0.378 χ^2/NDF: 2538.0/26

All: 2.675+/-0.263 χ^2/NDF: 5077.4/55

- sign 2.264+/-0.366 χ^2/NDF: 2536.8/28



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.711+/-0.022 χ^2/NDF:1851.6/10

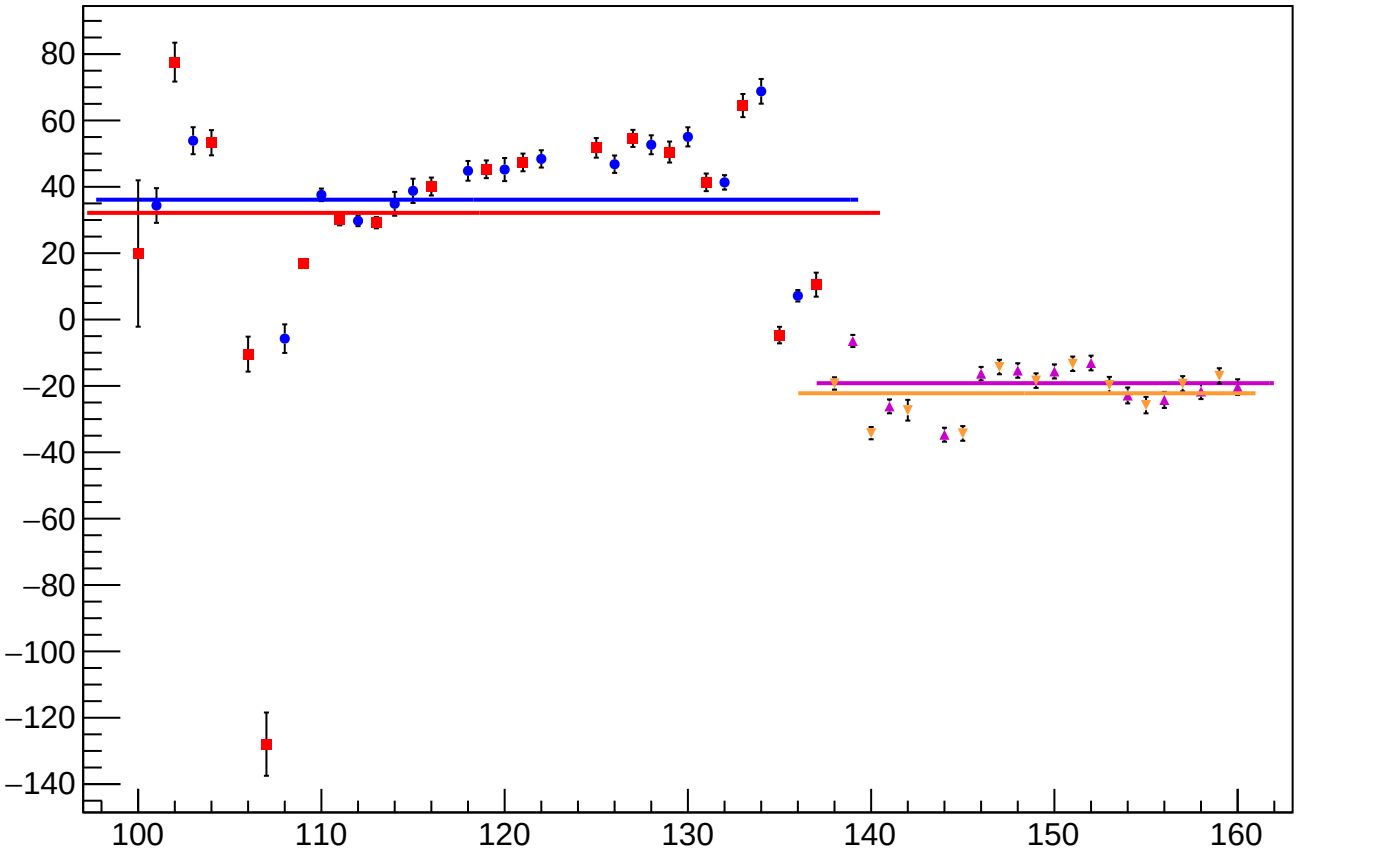
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.801+/-0.021 χ^2/NDF:1842.0/10

+ sign 9.243+/-0.018 χ^2/NDF: 717720.0/26

All: 9.761+/-0.013 χ^2/NDF: 1298379.6/55

- sign 10.245+/-0.018 χ^2/NDF: 579081.6/28



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -22.215+/-0.672 χ^2/NDF:119.8/10

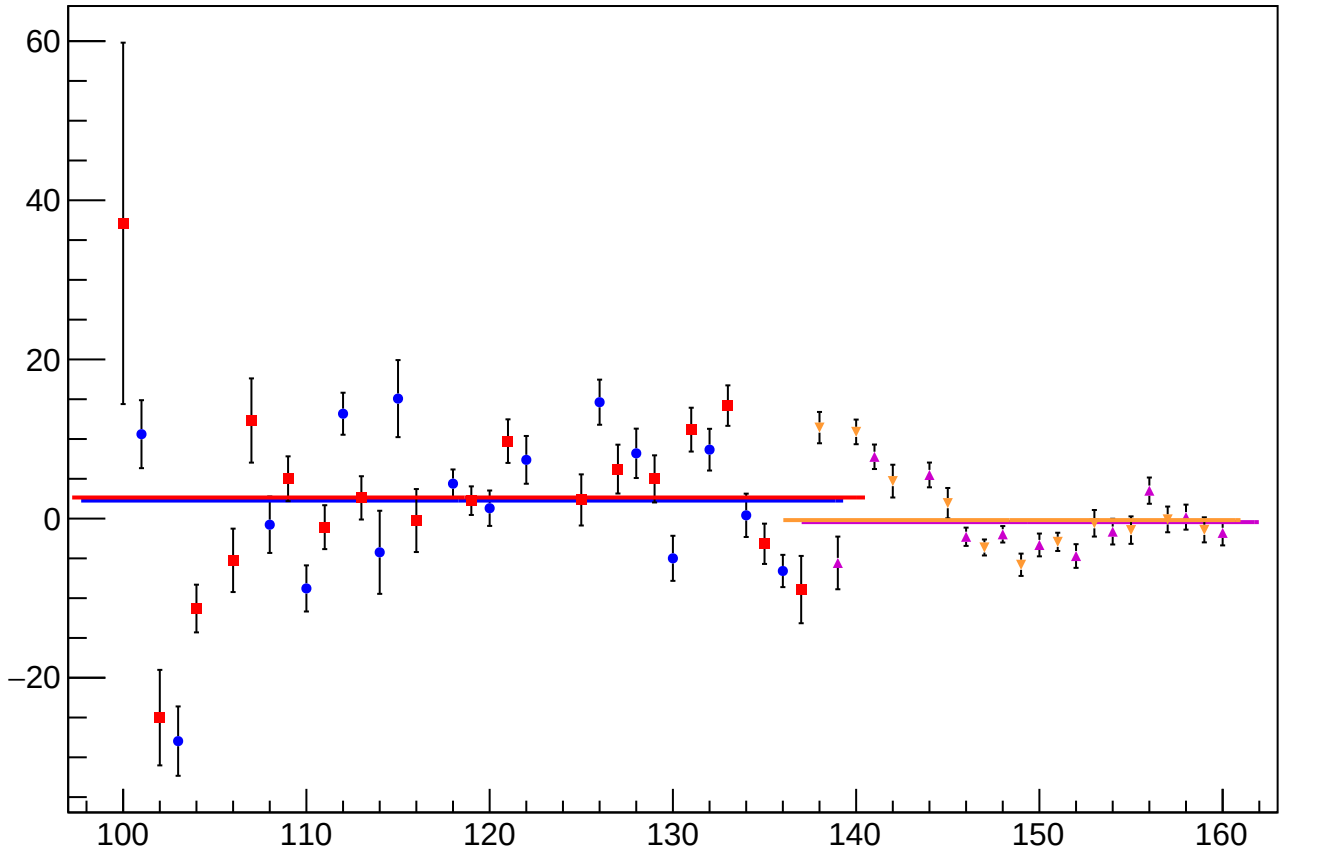
Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -19.175+/-0.654 χ^2/NDF:137.3/10

\+ sign 7.624+/-0.469 χ^2/NDF: 4600.1/26

All: 7.516+/-0.326 χ^2/NDF: 9044.4/55

\- sign 7.415+/-0.454 χ^2/NDF: 4444.2/28



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: -0.191+/-0.451 χ^2/NDF:127.6/10

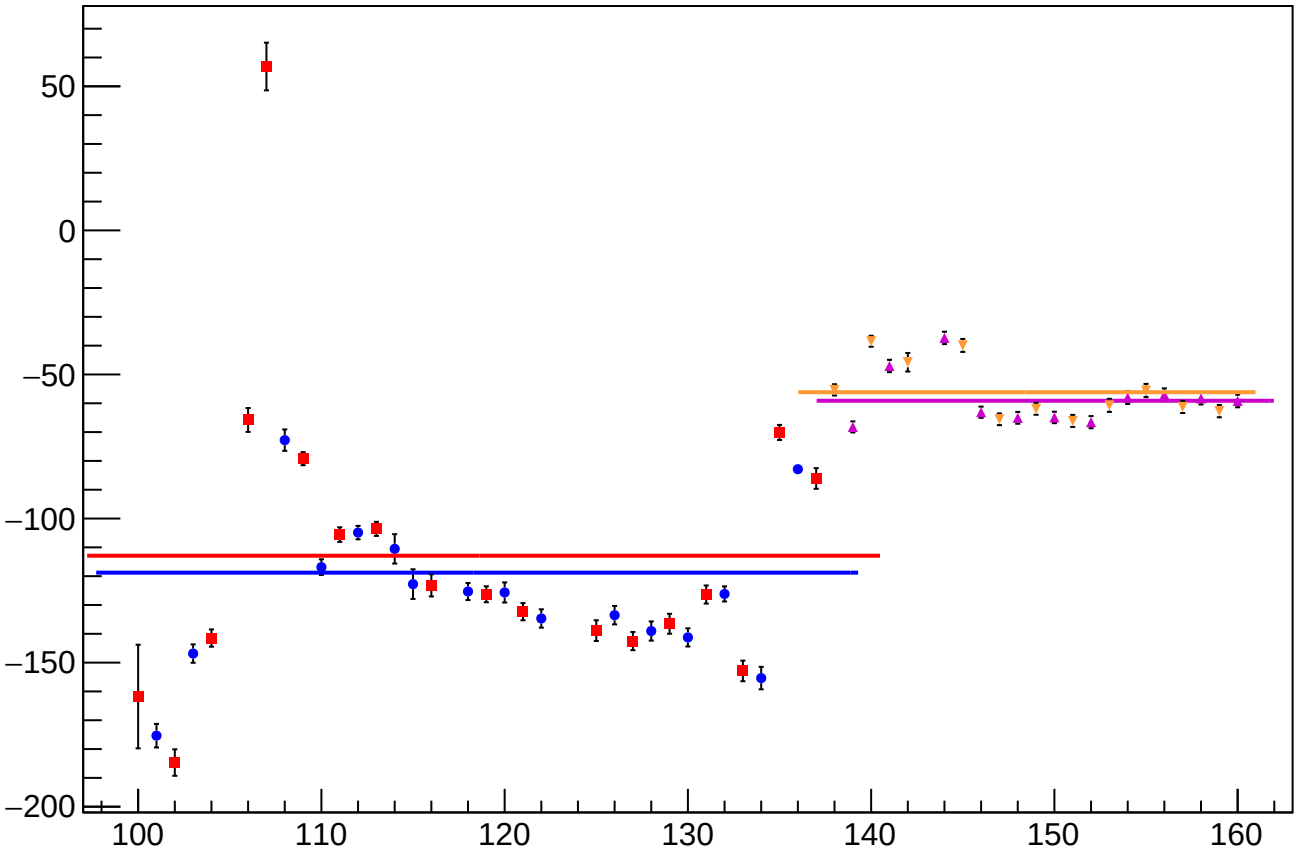
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: -0.443+/-0.442 χ^2/NDF:69.5/10

+ sign 0.527+/-0.379 χ^2/NDF: 288.3/26

All: 0.469+/-0.267 χ^2/NDF: 478.7/55

- 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: -56.152+/-0.650 χ^2/NDF:220.1/10

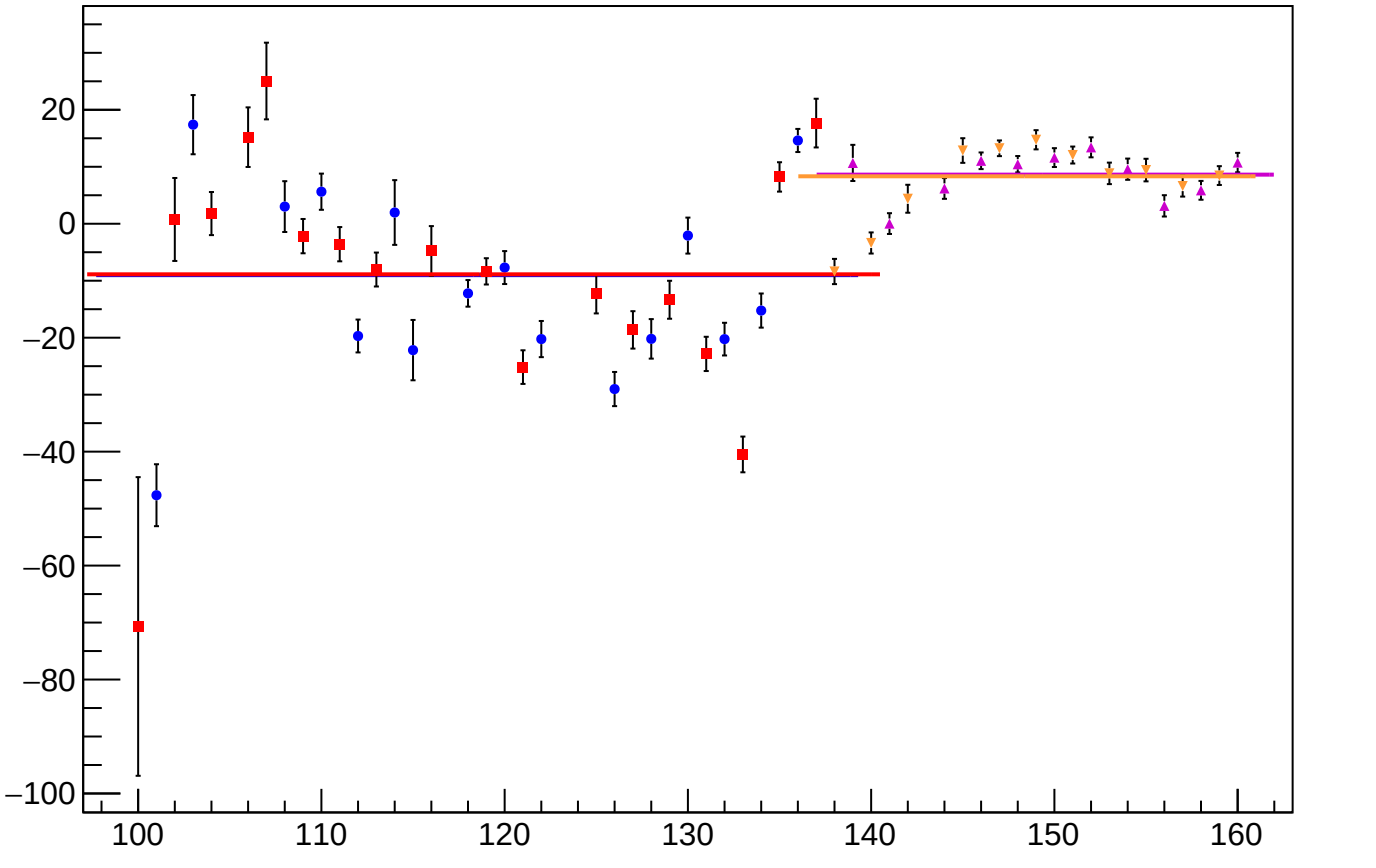
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.122+/-0.631 χ^2/NDF:190.2/10

+ sign -82.753+/-0.493 χ^2/NDF: 5278.5/26

All: -81.873+/-0.346 χ^2/NDF: 10298.5/55

- sign -81.019+/-0.486 χ^2/NDF: 5013.7/28



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 8.327+/-0.542 χ^2/NDF:138.6/10

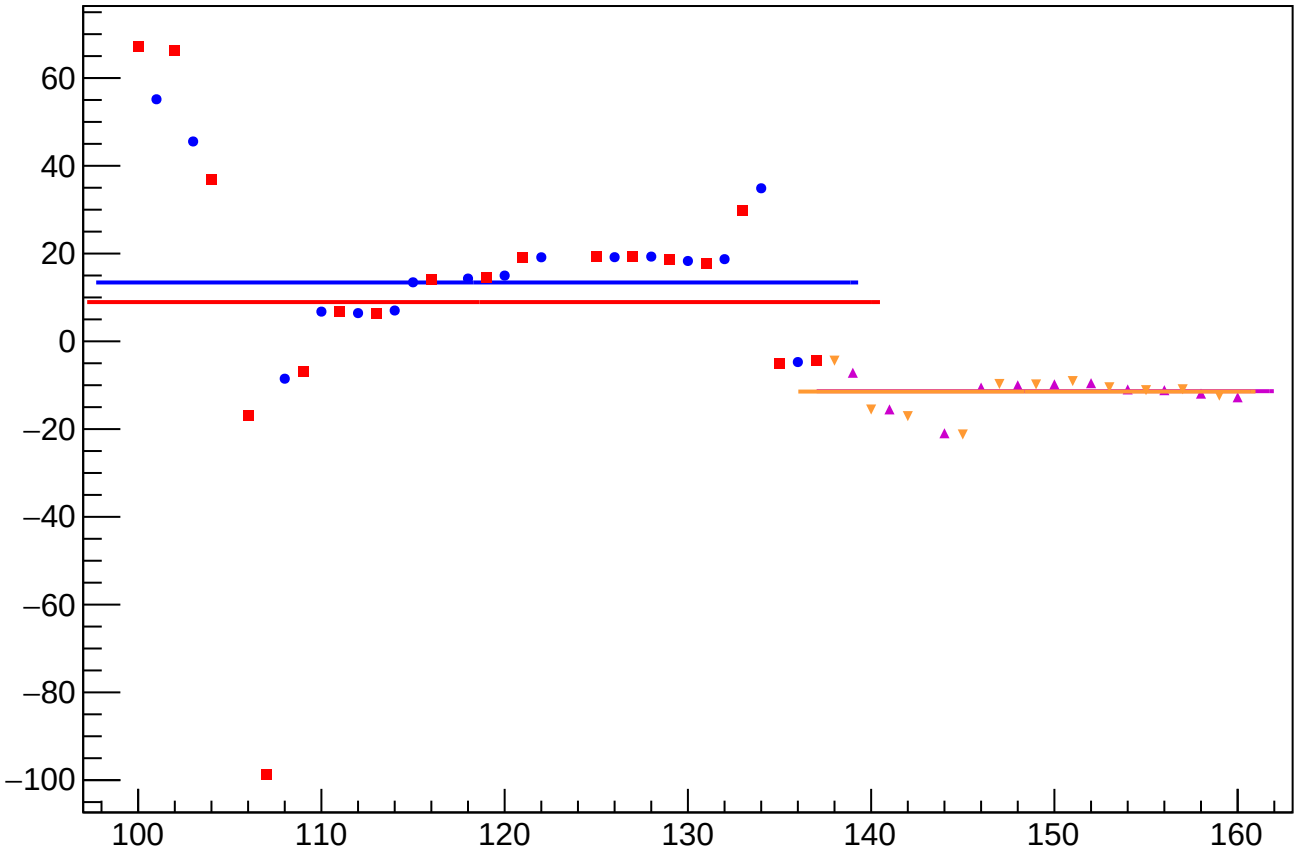
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 8.619+/-0.525 χ^2/NDF:52.6/10

+ sign 2.826+/-0.448 χ^2/NDF: 821.2/26

All: 3.142+/-0.314 χ^2/NDF: 1521.9/55

- sign 3.447+/-0.441 χ^2/NDF: 699.7/28



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.447+/-0.025 χ^2/NDF:26689.3/10

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

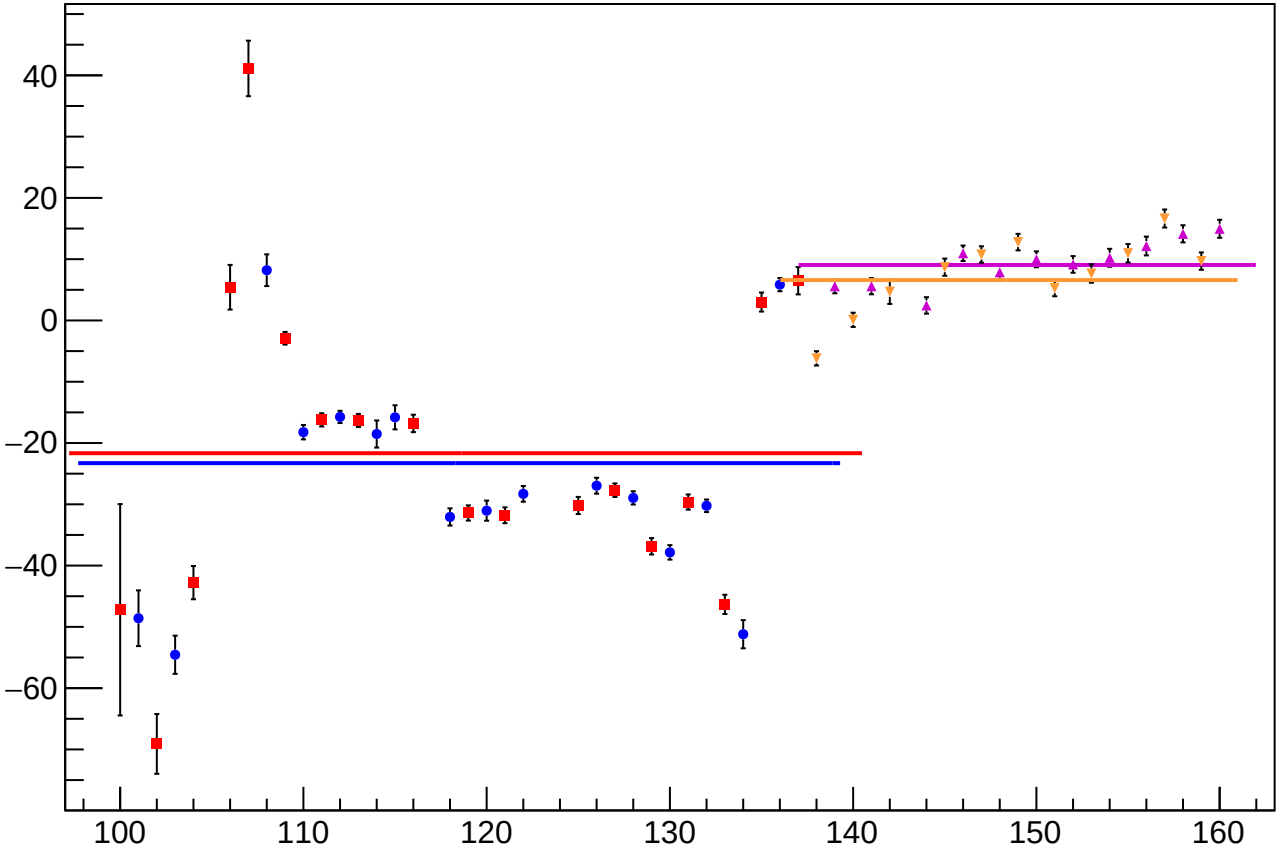
Left In: -11.360+/-0.024 χ^2/NDF:17561.1/10

+ sign -5.723+/-0.022 χ^2/NDF: 442382.4/26

All: -6.543+/-0.015 χ^2/NDF: 900799.3/55

- 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: 6.591+/-0.417 χ^2/NDF:245.8/10

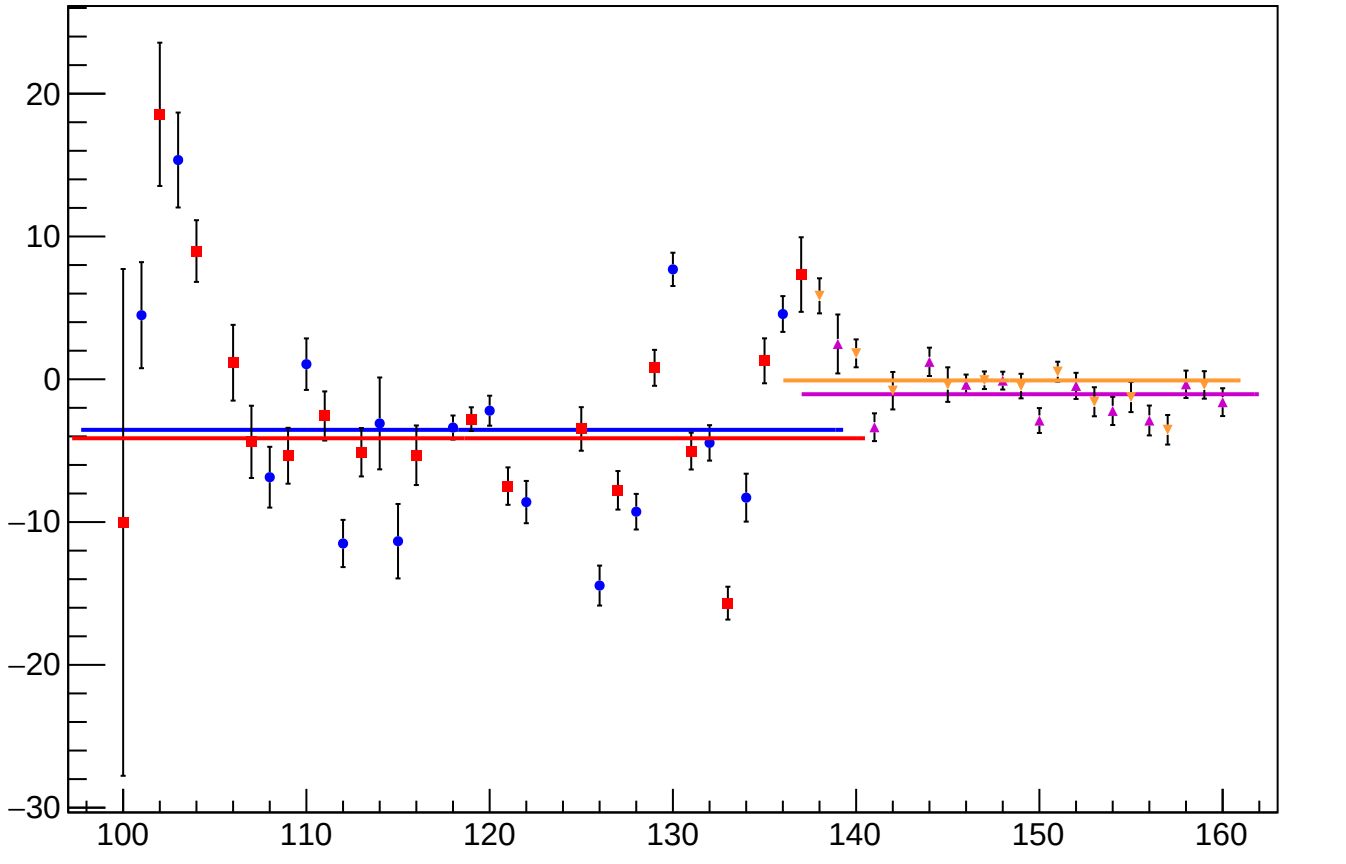
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 9.056+/-0.405 χ^2/NDF:77.9/10

+ sign -10.919+/-0.268 χ^2/NDF: 4821.5/26

All: -9.769+/-0.188 χ^2/NDF: 10059.8/55

- 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: -0.081+/-0.278 χ^2/NDF:43.0/10

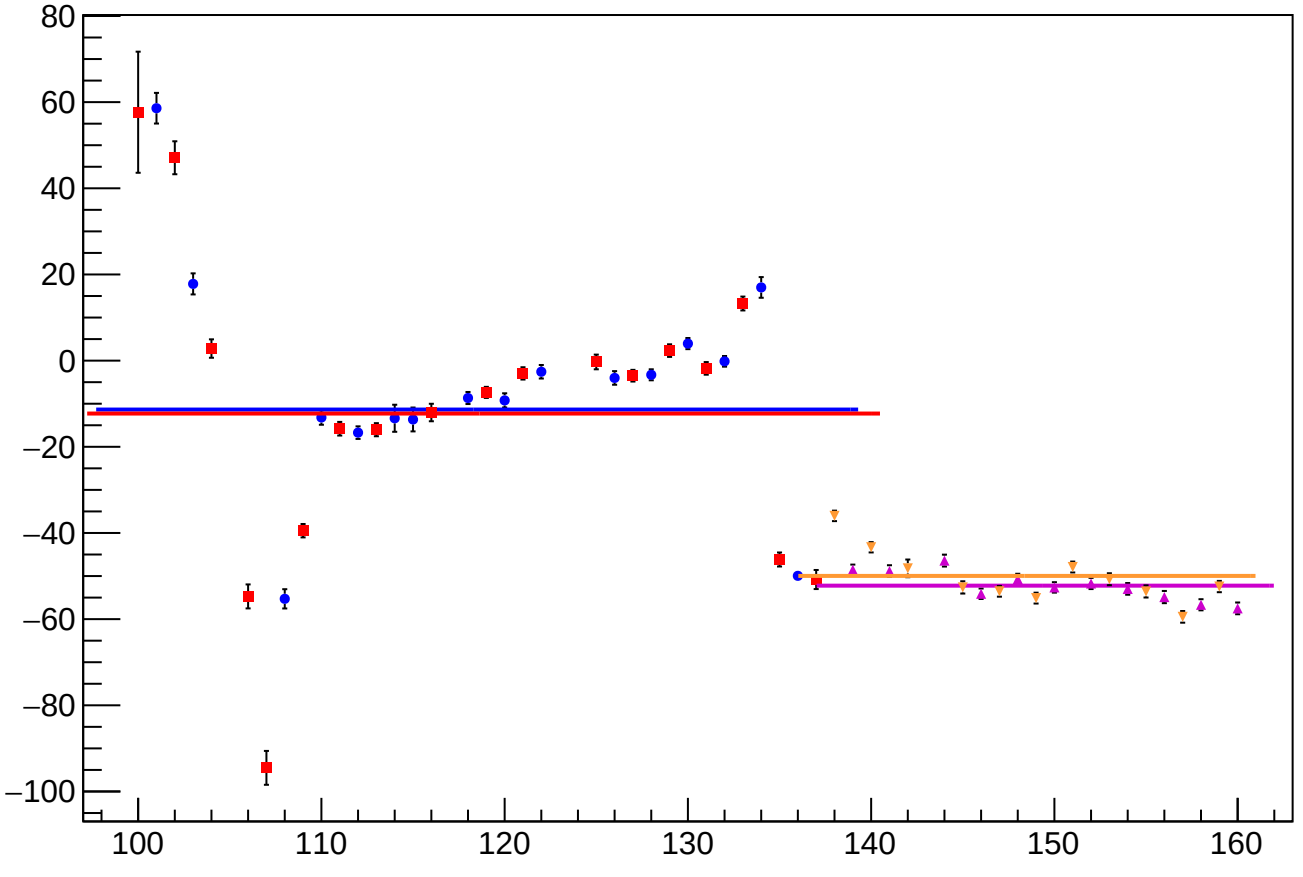
Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -1.047+/-0.273 χ^2/NDF:27.2/10

+ sign -1.364+/-0.221 χ^2/NDF: 417.0/26

All: -1.749+/-0.156 χ^2/NDF: 722.7/55

- sign -2.131+/-0.220 χ^2/NDF: 299.6/28



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -49.966+/-0.403 χ^2/NDF:253.1/10

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

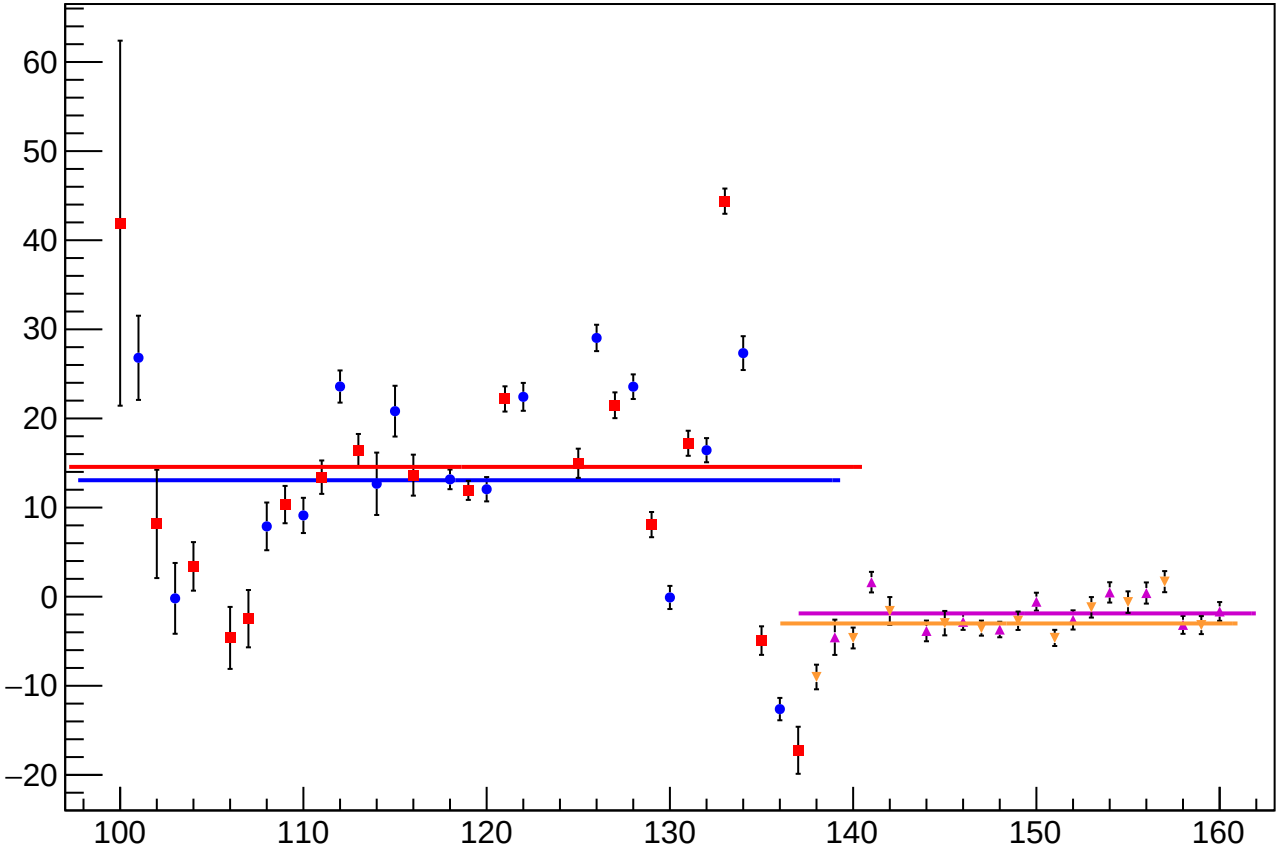
Left In: -52.228+/-0.391 χ^2/NDF:68.2/10

+ sign -30.772+/-0.286 χ^2/NDF: 7470.3/26

All: -32.083+/-0.201 χ^2/NDF: 15106.8/55

- sign -33.374+/-0.284 χ^2/NDF: 7594.9/28

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.007+/-0.335 χ^2/NDF:47.5/10

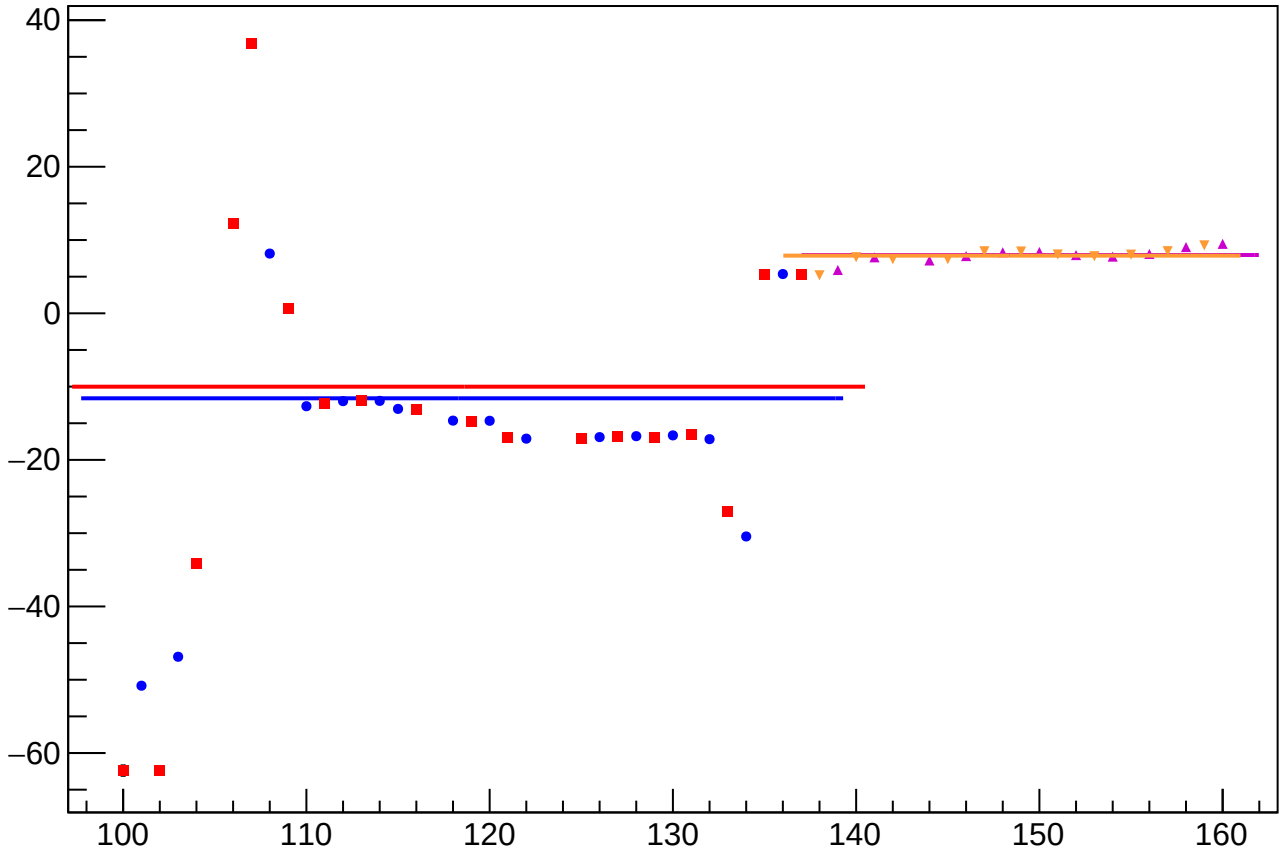
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -1.878+/-0.324 χ^2/NDF:31.2/10

+ sign 3.346+/-0.261 χ^2/NDF: 1819.2/26

All: 3.788+/-0.183 χ^2/NDF: 3711.9/55

- sign 4.220+/-0.257 χ^2/NDF: 1887.0/28



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.872+/-0.015 χ^2/NDF:4648.9/10

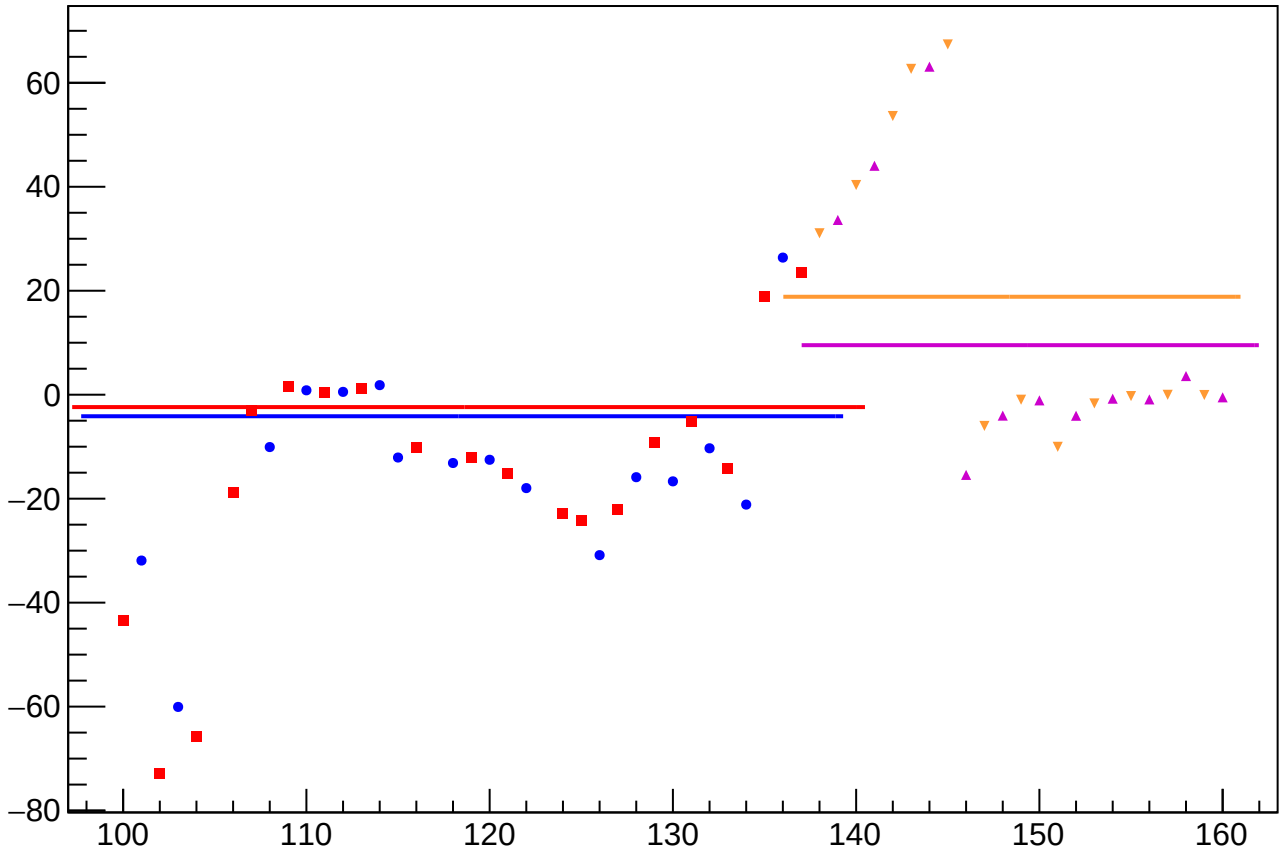
Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.957+/-0.015 χ^2/NDF:4225.9/10

+ sign 2.923+/-0.013 χ^2/NDF: 773516.3/26

All: 3.466+/-0.009 χ^2/NDF: 1511079.3/55

- sign 3.981+/-0.013 χ^2/NDF: 734300.8/28



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 18.841+/-0.076 χ^2/NDF:107273.7/11

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

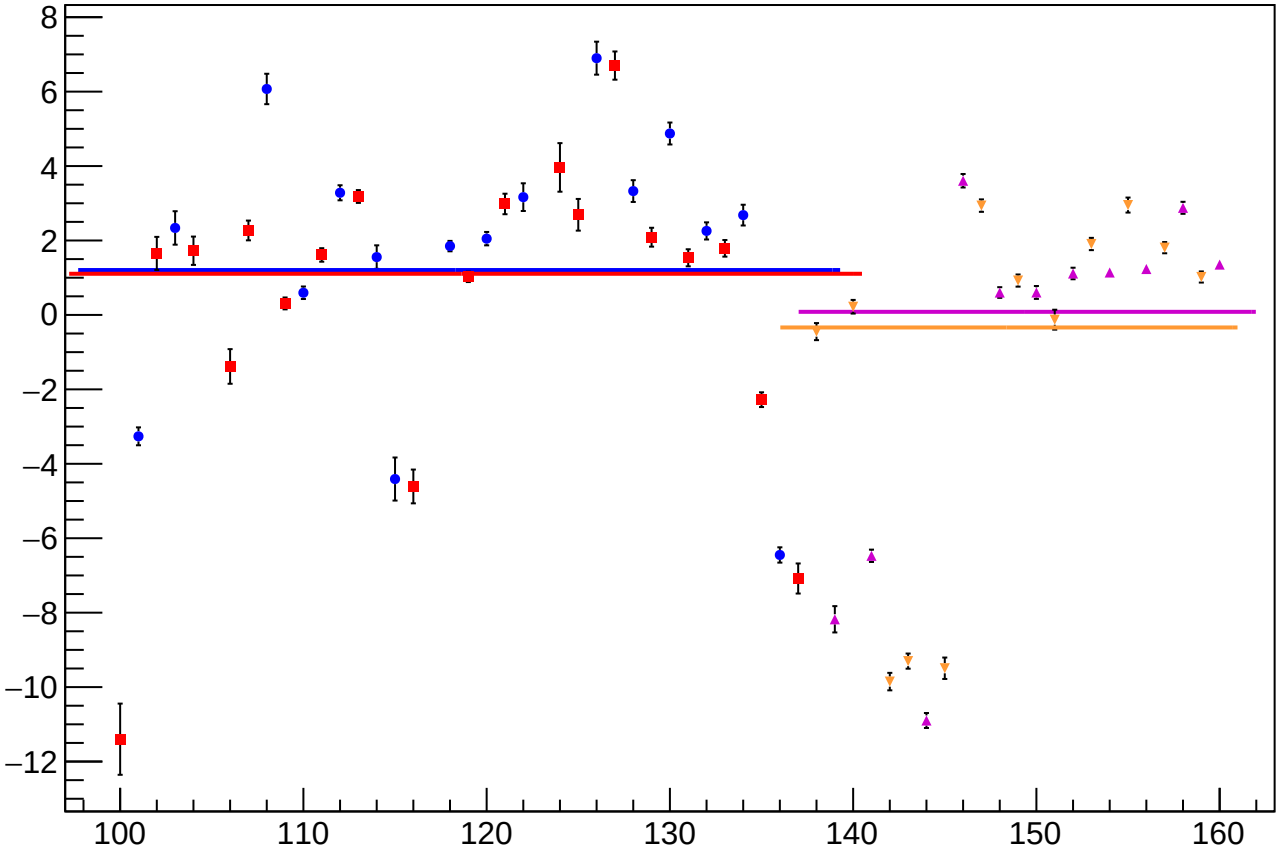
Left In: 9.527+/-0.065 χ^2/NDF:102333.3/10

+ sign 3.659+/-0.044 χ^2/NDF: 242531.9/27

All: 2.484+/-0.029 χ^2/NDF: 449352.3/57

- 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: -0.337+/-0.054 χ^2/NDF:5781.8/11

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

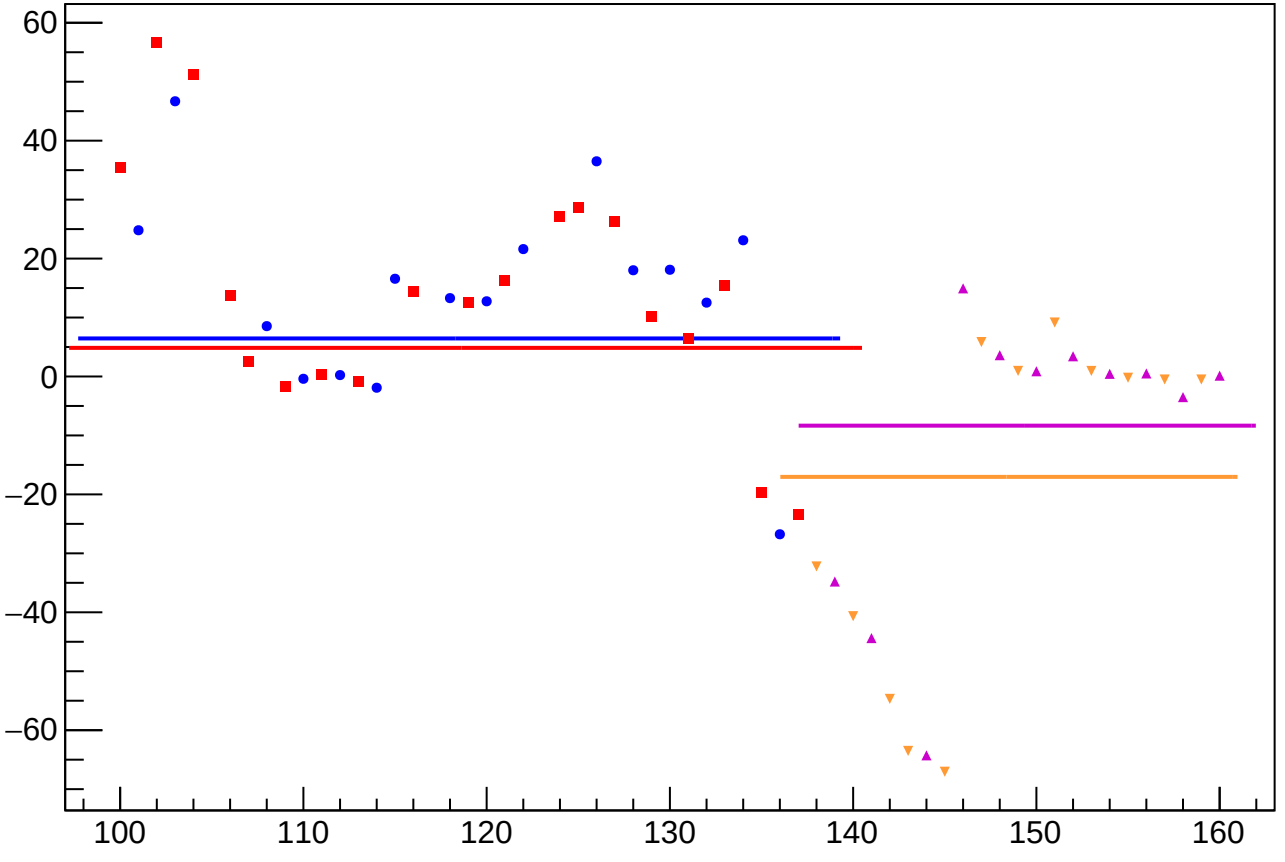
Left In: 0.083+/-0.045 χ^2/NDF:6152.9/10

+ sign 0.351+/-0.040 χ^2/NDF: 8727.4/27

All: 0.419+/-0.027 χ^2/NDF: 16670.9/57

- 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: -17.030+/-0.074 χ^2/NDF:109411.6/11

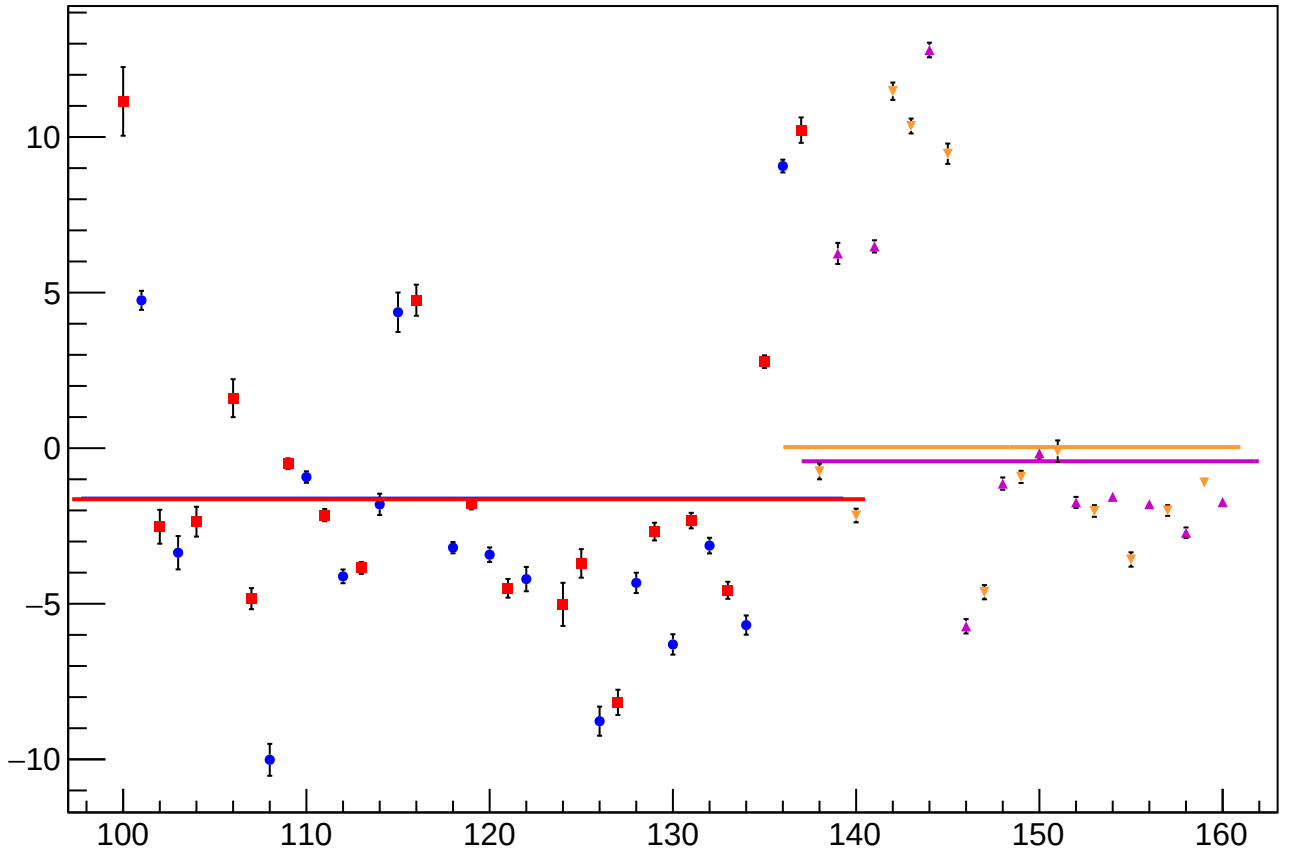
Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -8.341+/-0.061 χ^2/NDF:102797.3/10

+ sign -3.825+/-0.049 χ^2/NDF: 236839.7/27

All: -2.501+/-0.032 χ^2/NDF: 440138.6/57

- sign -1.496+/-0.043 χ^2/NDF: 202009.4/29



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 0.036+/-0.063 χ^2/NDF:5465.4/11

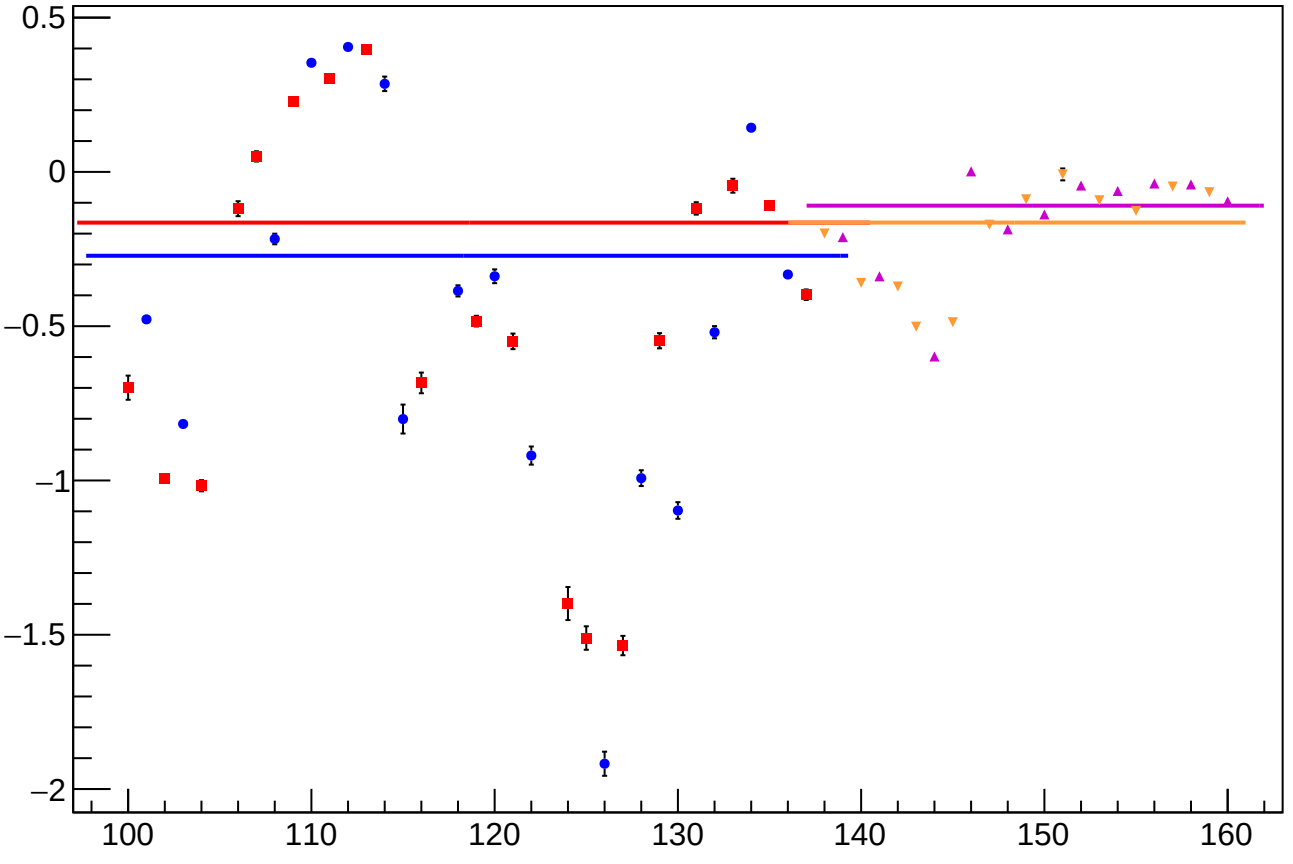
Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -0.420+/-0.051 χ^2/NDF:5865.8/10

+ sign -0.713+/-0.047 χ^2/NDF: 10301.6/27

All: -0.817+/-0.030 χ^2/NDF: 18856.7/57

- 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: -0.164+/-0.003 χ^2/NDF:2707.5/11

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

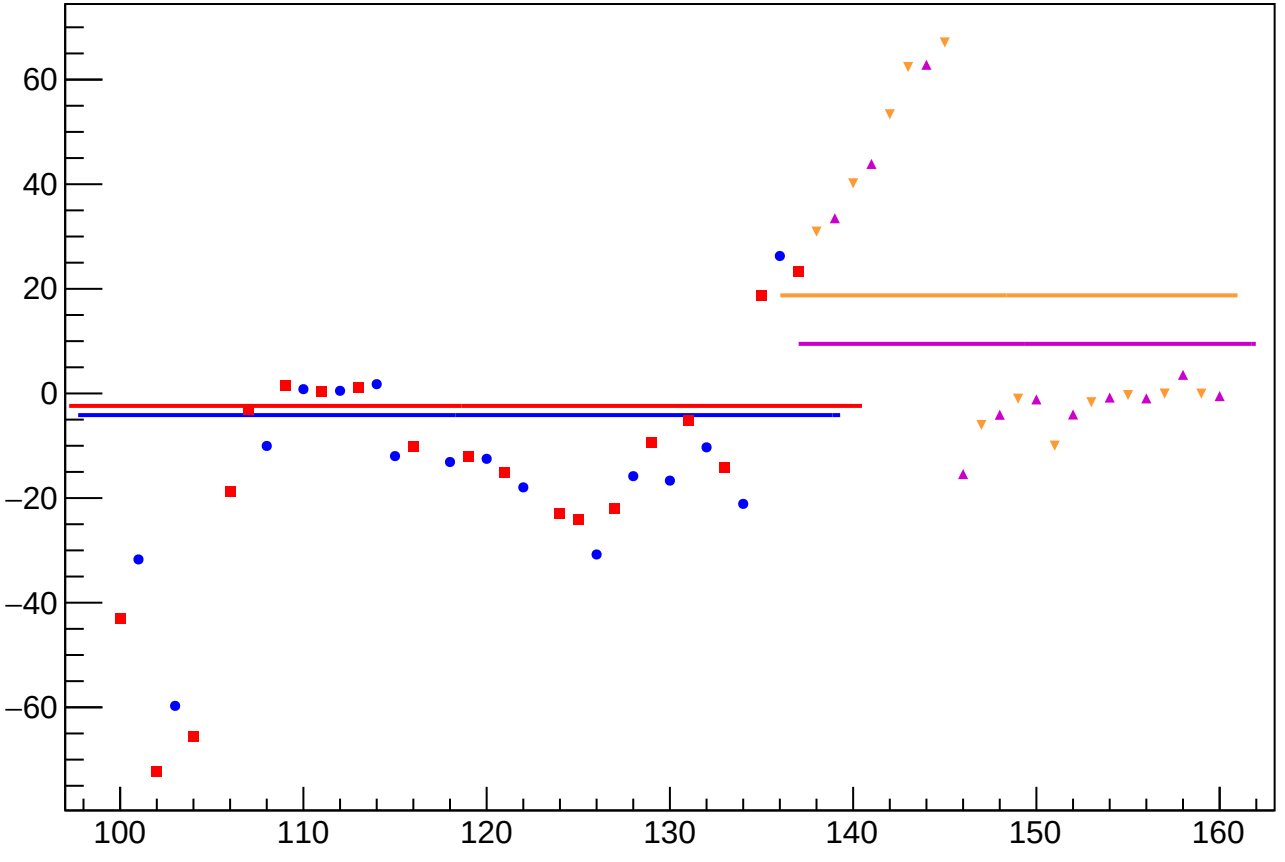
Left In: -0.109+/-0.002 χ^2/NDF:2914.7/10

+ sign -0.197+/-0.002 χ^2/NDF: 15221.9/27

All: -0.153+/-0.001 χ^2/NDF: 34409.5/57

- 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: 18.756+/-0.076 χ^2/NDF:107137.8/11

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

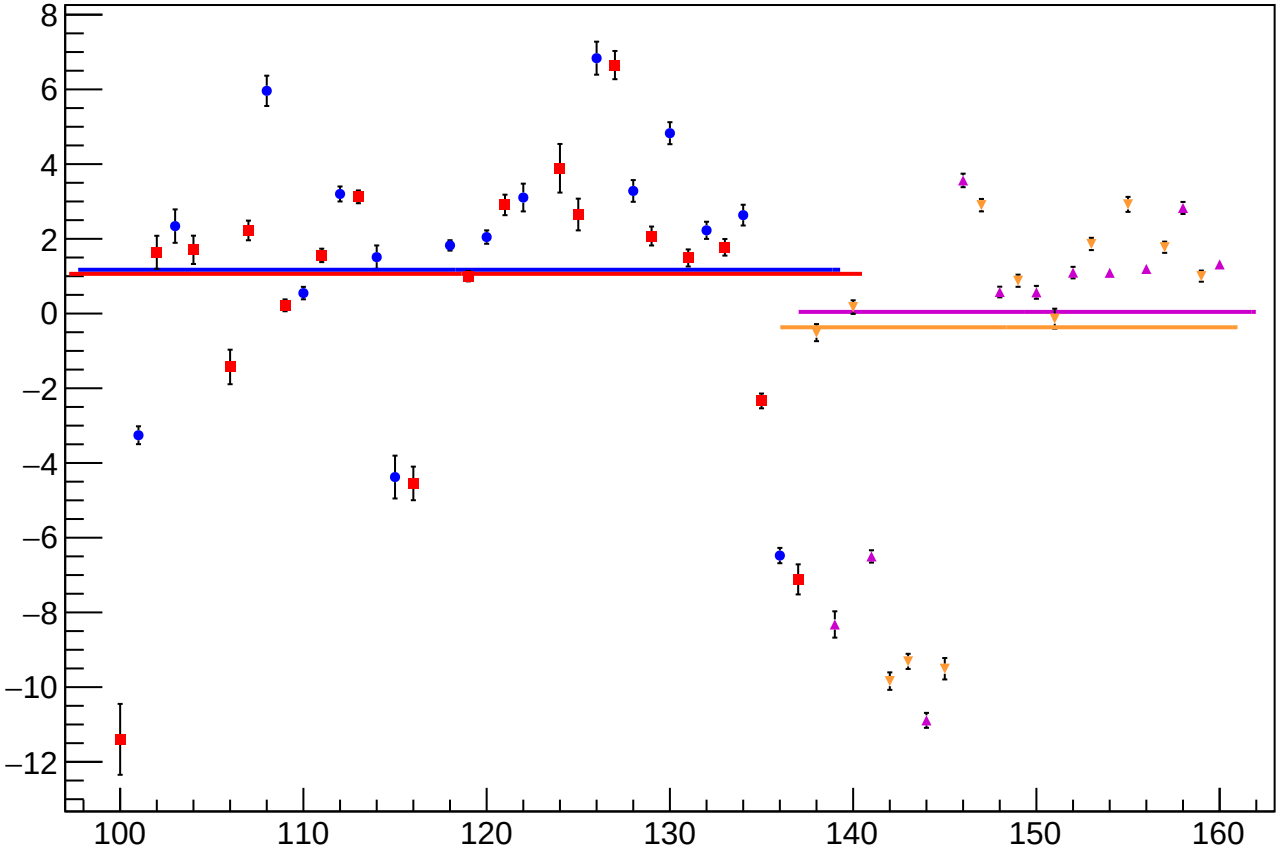
Left In: 9.479+/-0.064 χ^2/NDF:102269.1/10

+ sign 3.604+/-0.044 χ^2/NDF: 242404.9/27

All: 2.441+/-0.029 χ^2/NDF: 449054.3/57

- 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: -0.367+/-0.054 χ^2/NDF:5790.0/11

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

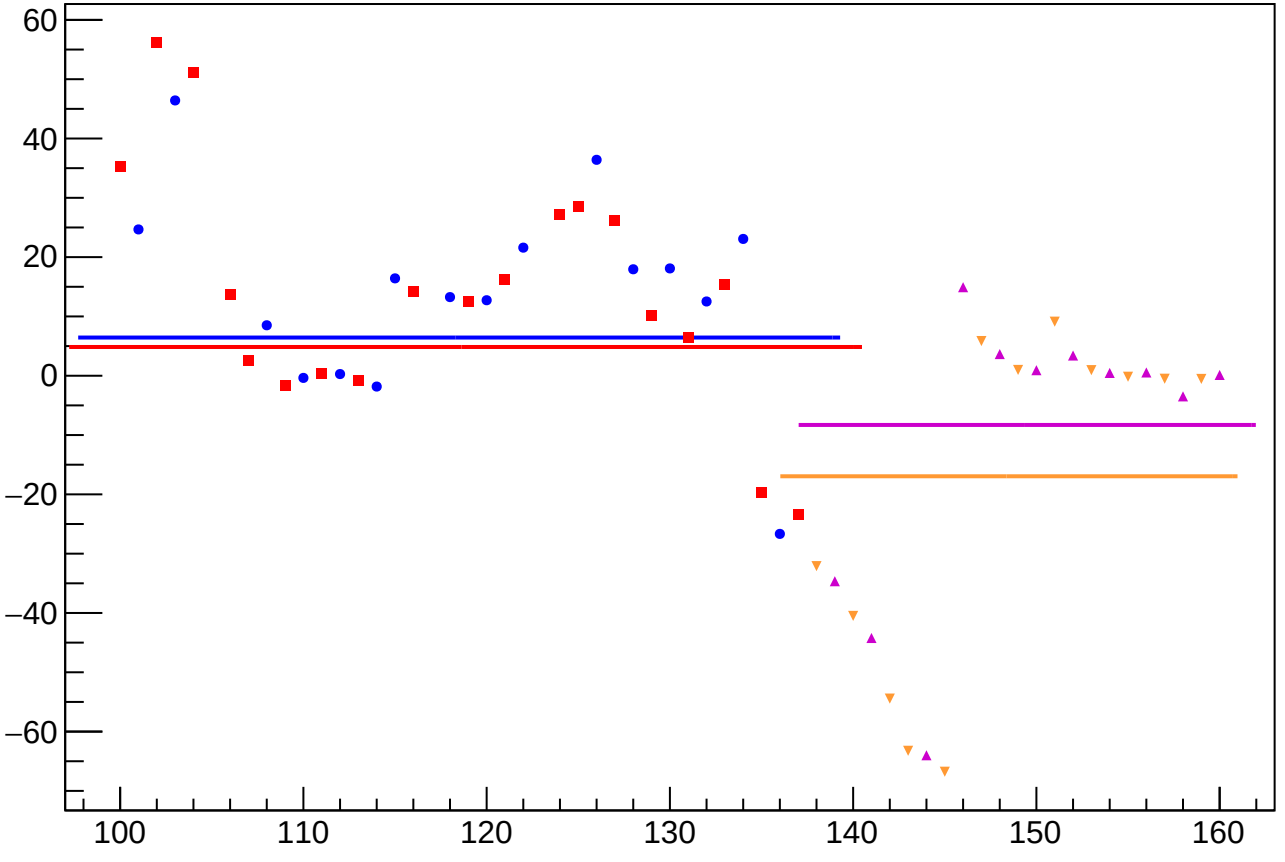
Left In: 0.044+/-0.045 χ^2/NDF:6171.3/10

+ sign 0.321+/-0.040 χ^2/NDF: 8737.3/27

All: 0.383+/-0.026 χ^2/NDF: 16707.9/57

- 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: -16.952+/-0.074 χ^2/NDF:109269.3/11

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

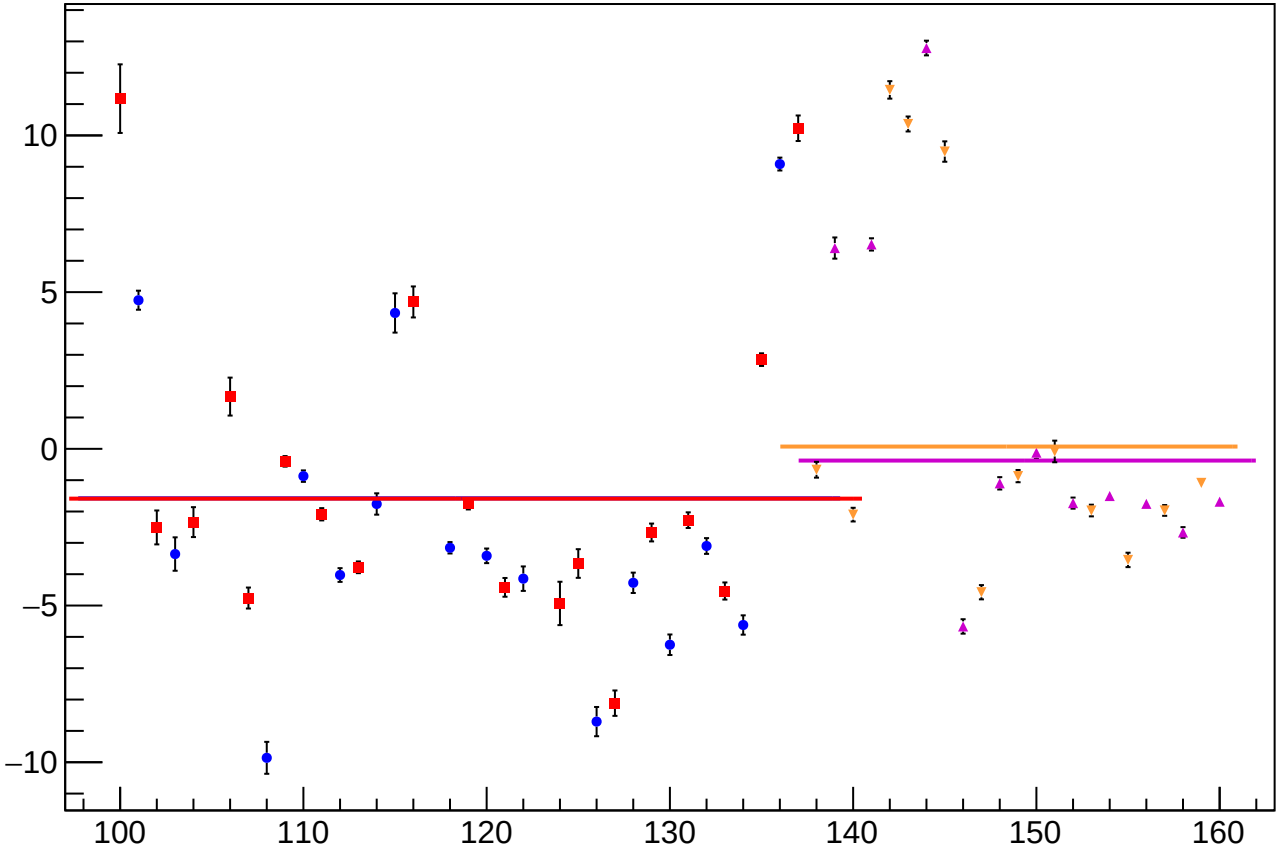
Left In: -8.297+/-0.061 χ^2/NDF:102722.9/10

+ sign -3.771+/-0.049 χ^2/NDF: 236705.0/27

All: -2.456+/-0.032 χ^2/NDF: 439827.8/57

- 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: 0.073+/-0.063 χ^2/NDF:5468.4/11

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

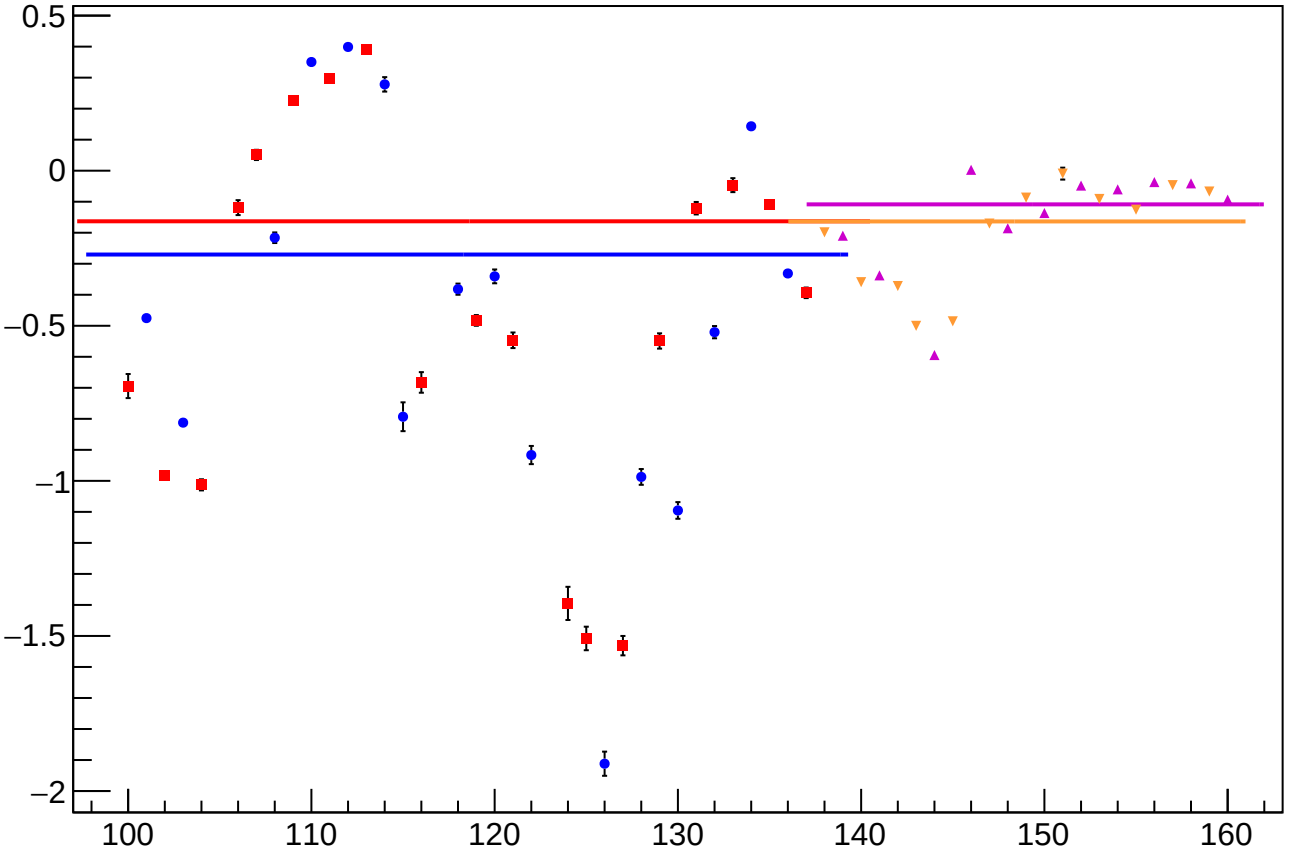
Left In: -0.374+/-0.051 χ^2/NDF:5883.8/10

+ sign -0.676+/-0.047 χ^2/NDF: 10304.4/27

All: -0.774+/-0.030 χ^2/NDF: 18886.6/57

- sign -0.847+/-0.040 χ^2/NDF: 8574.5/29

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.164+/-0.003 χ^2/NDF:2717.3/11

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

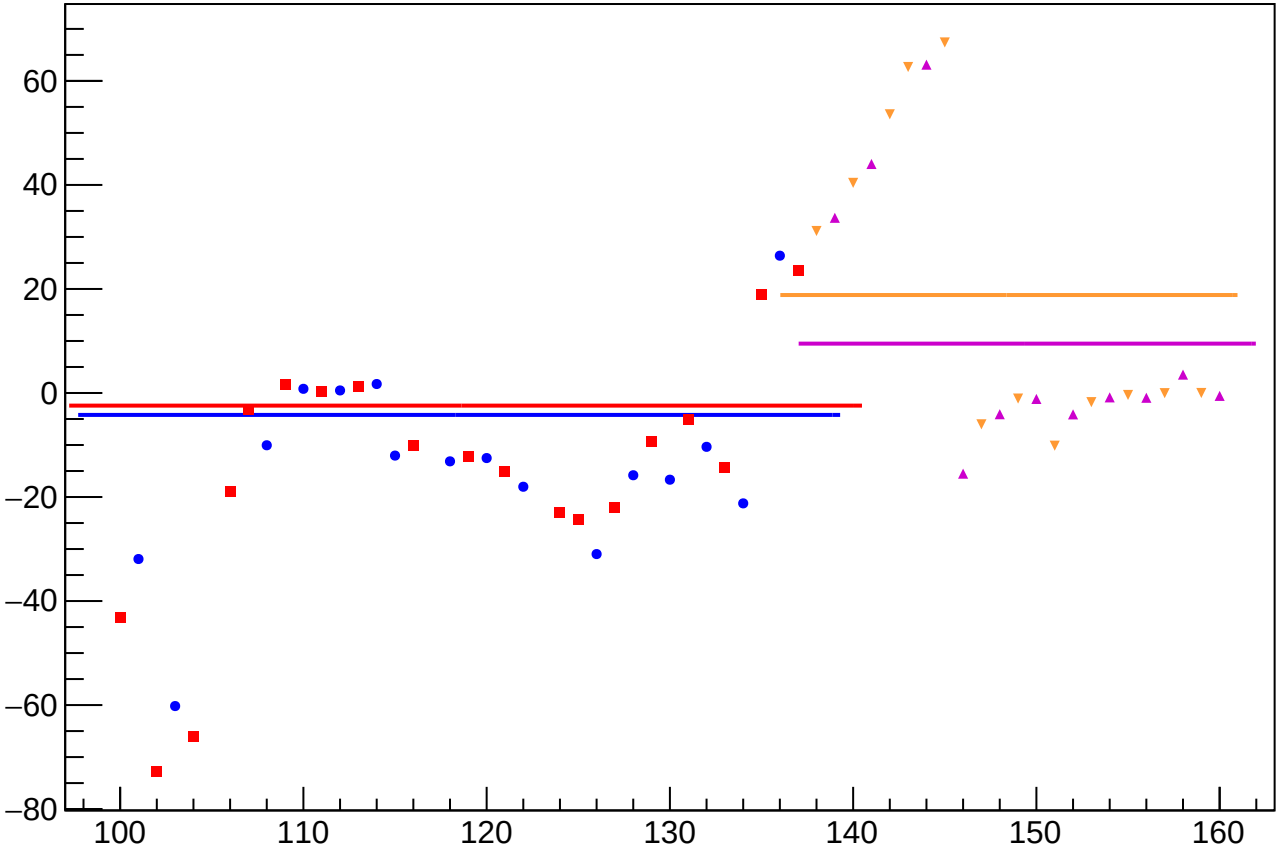
Left In: -0.109+/-0.002 χ^2/NDF:2902.1/10

+ sign -0.196+/-0.002 χ^2/NDF: 15216.5/27

All: -0.152+/-0.001 χ^2/NDF: 34409.7/57

- 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: 18.836+/-0.076 χ^2/NDF:107363.7/11

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

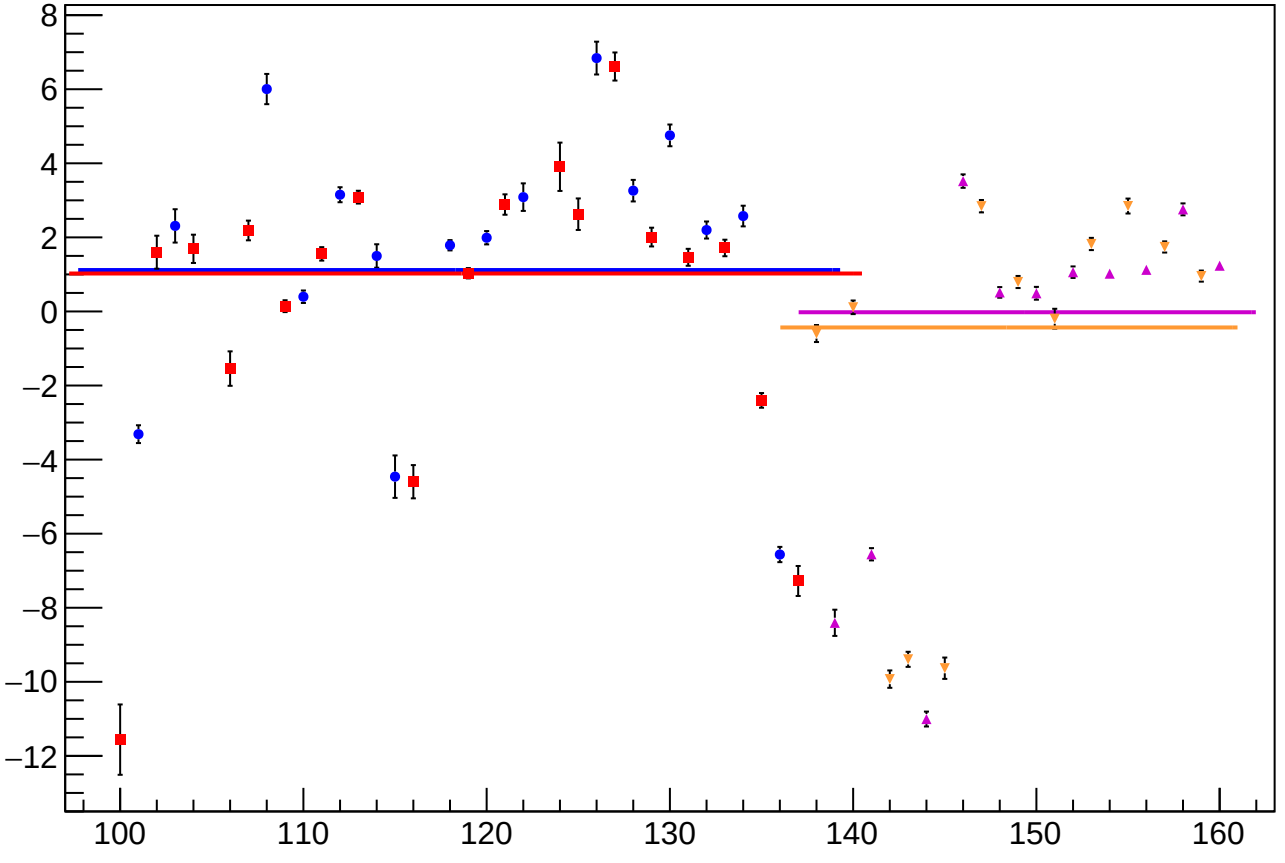
Left In: 9.490+/-0.065 χ^2/NDF:102423.6/10

+ sign 3.605+/-0.044 χ^2/NDF: 242795.7/27

All: 2.437+/-0.029 χ^2/NDF: 449653.2/57

- 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: -0.432+/-0.054 χ^2/NDF:5783.8/11

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

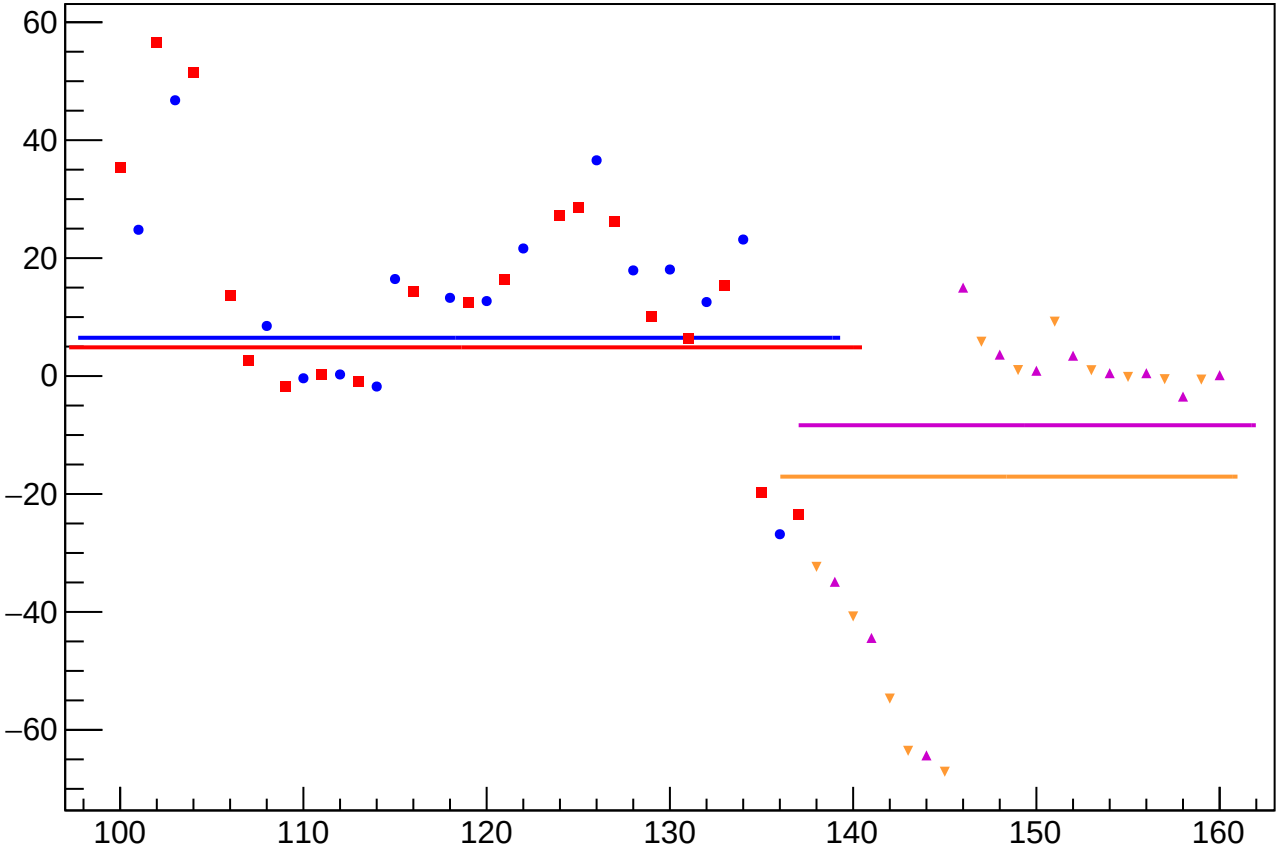
Left In: -0.021+/-0.045 χ^2/NDF:6147.2/10

+ sign 0.260+/-0.040 χ^2/NDF: 8740.0/27

All: 0.325+/-0.027 χ^2/NDF: 16711.2/57

- 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: -17.055+/-0.074 χ^2/NDF:109517.1/11

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

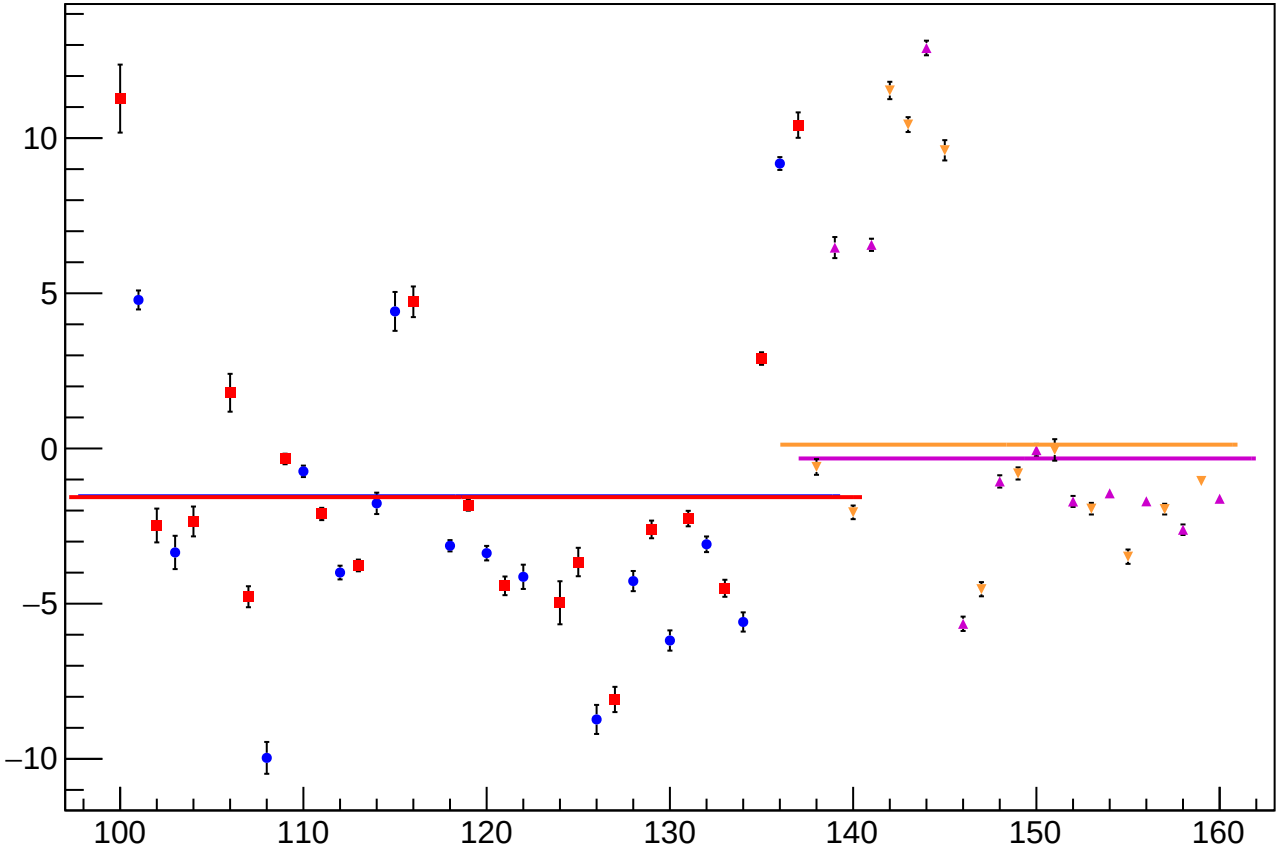
Left In: -8.340+/-0.061 χ^2/NDF:102879.0/10

+ sign -3.804+/-0.049 χ^2/NDF: 237128.4/27

All: -2.487+/-0.032 χ^2/NDF: 440502.9/57

- 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: 0.123+/-0.063 χ^2/NDF:5463.3/11

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

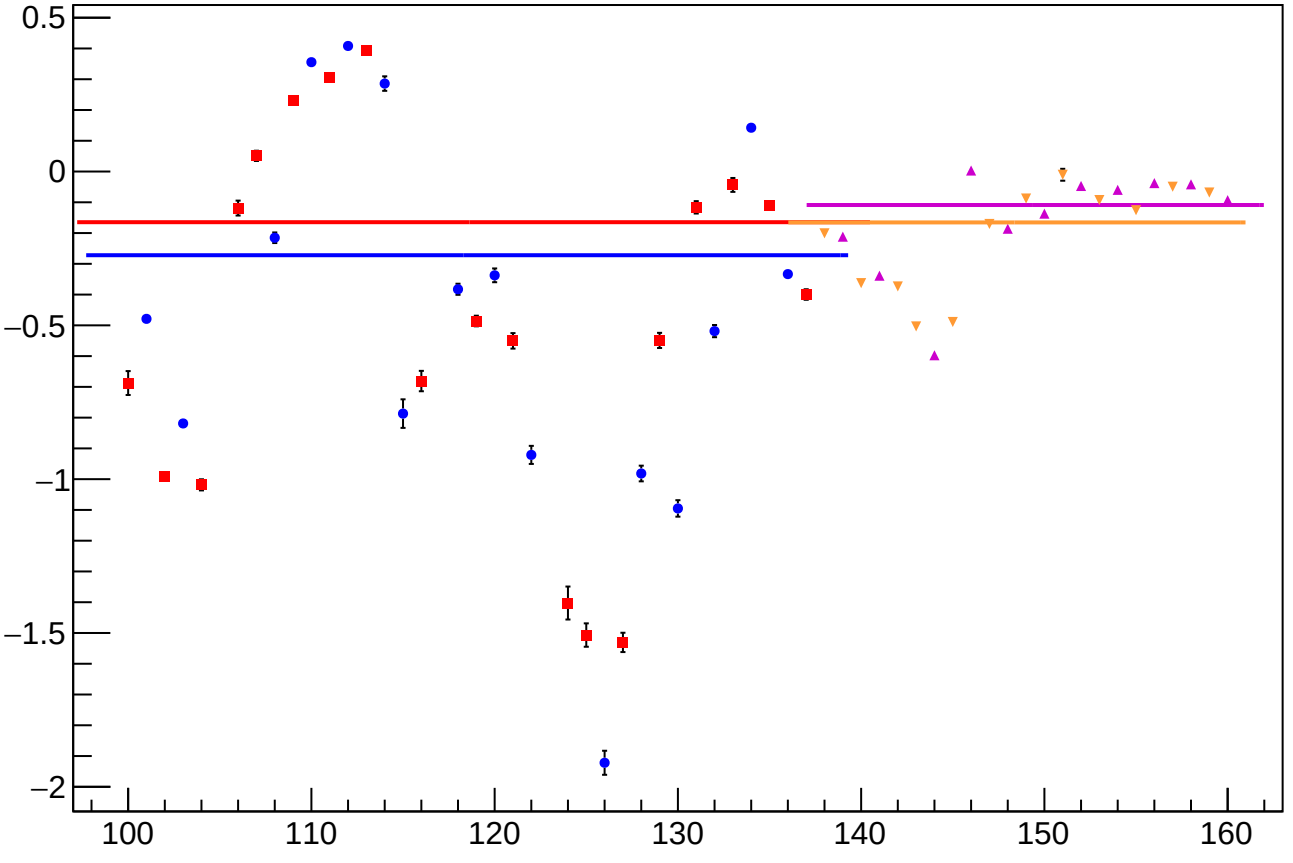
Left In: -0.322+/-0.051 χ^2/NDF:5867.0/10

+ sign -0.629+/-0.047 χ^2/NDF: 10312.0/27

All: -0.730+/-0.031 χ^2/NDF: 18911.6/57

- 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: -0.165+/-0.003 χ^2/NDF:2714.9/11

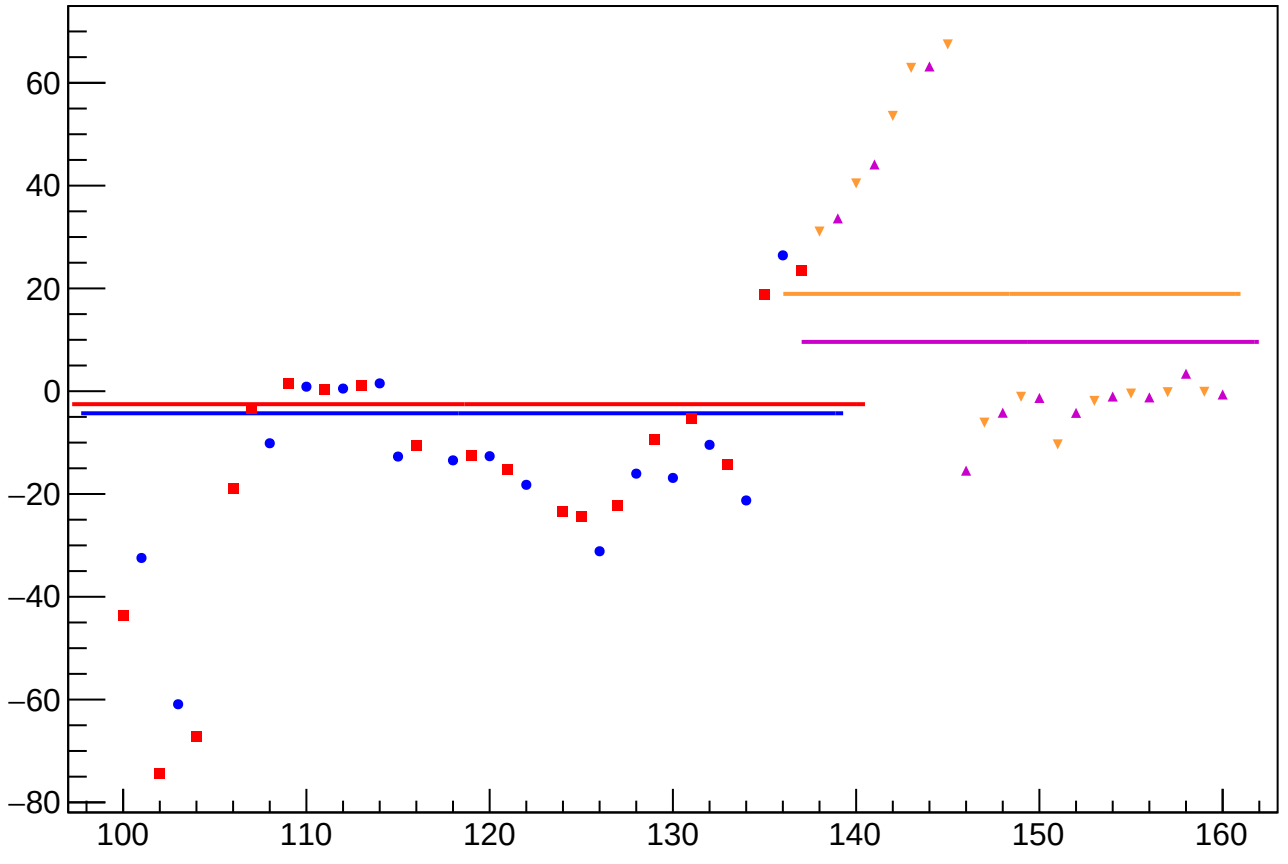
Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.109+/-0.002 χ^2/NDF:2908.7/10

+ sign -0.198+/-0.002 χ^2/NDF: 15235.8/27

All: -0.153+/-0.001 χ^2/NDF: 34436.1/57

- sign -0.123+/-0.002 χ^2/NDF: 18561.4/29



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 18.940+/-0.077 χ^2/NDF:105670.9/11

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

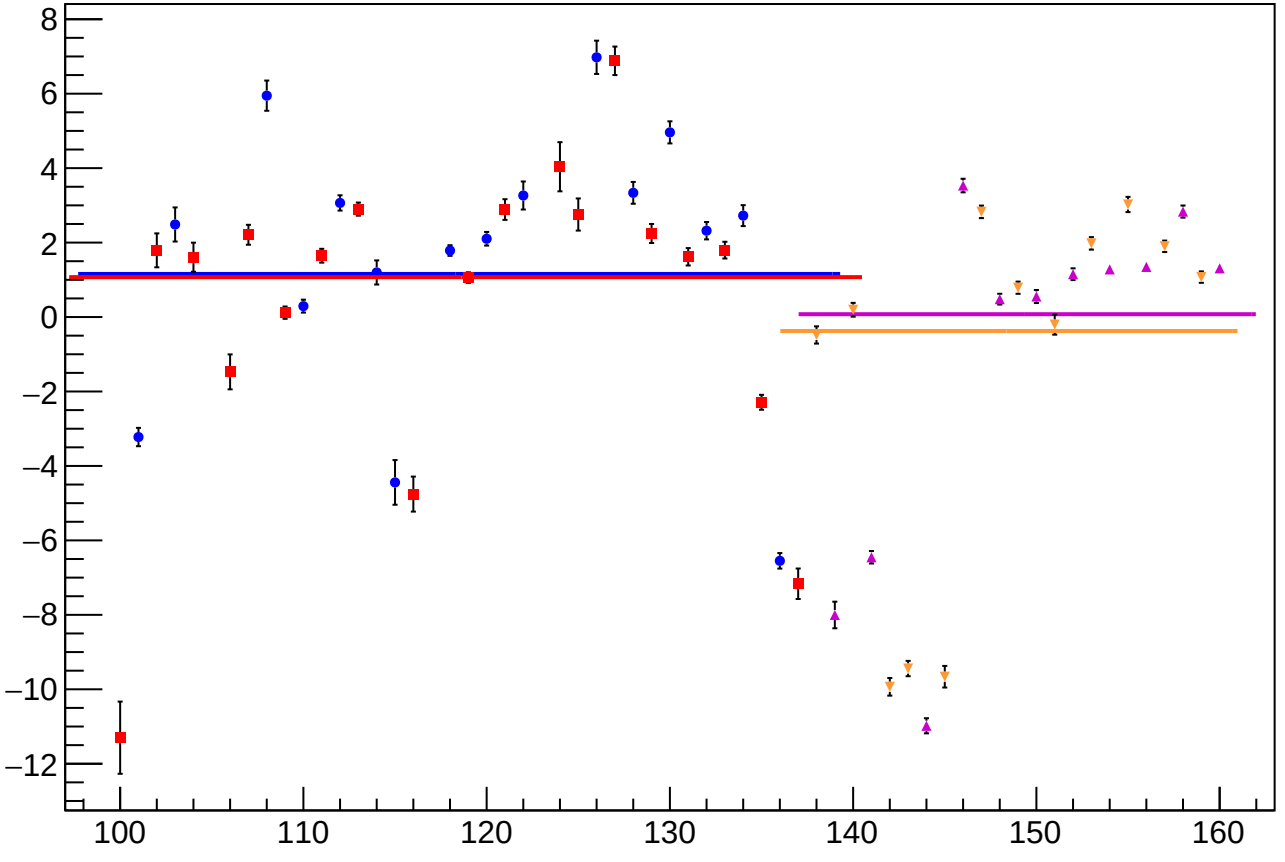
Left In: 9.595+/-0.066 χ^2/NDF:100619.9/10

+ sign 3.643+/-0.045 χ^2/NDF: 239272.8/27

All: 2.446+/-0.029 χ^2/NDF: 443302.3/57

- 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: -0.375+/-0.055 χ^2/NDF:5789.5/11

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

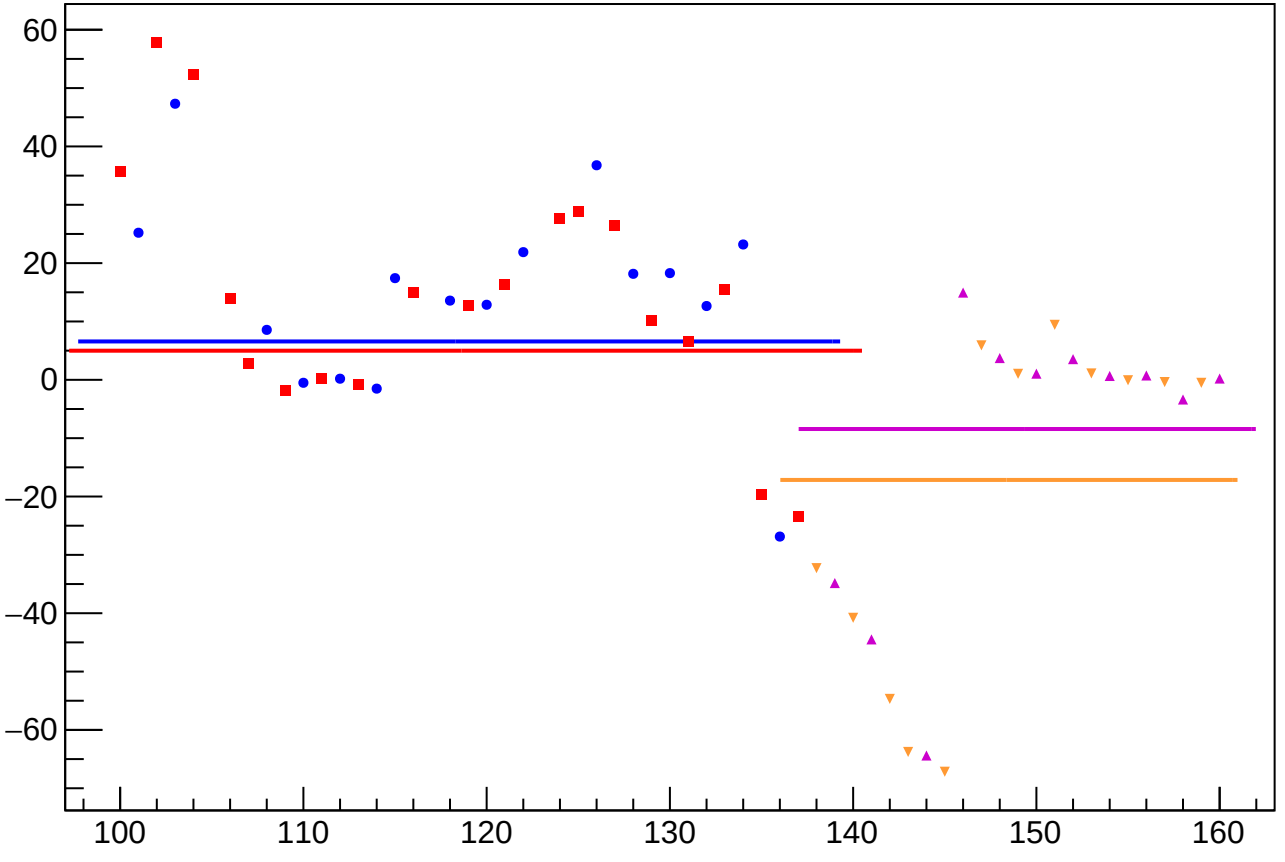
Left In: 0.076+/-0.046 χ^2/NDF:6035.4/10

+ sign 0.306+/-0.041 χ^2/NDF: 8684.5/27

All: 0.390+/-0.027 χ^2/NDF: 16459.4/57

- 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: -17.158+/-0.075 χ^2/NDF:107772.2/11

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

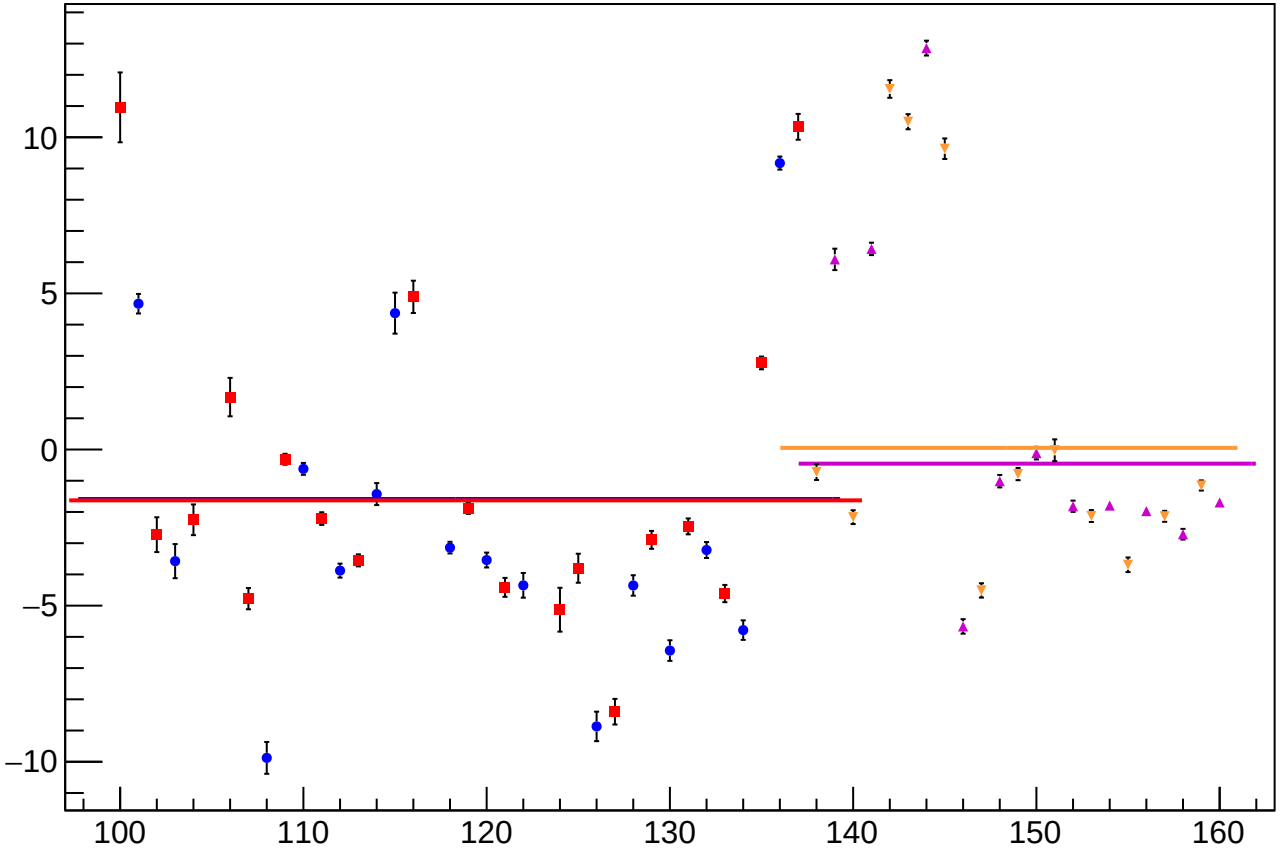
Left In: -8.429+/-0.063 χ^2/NDF:101086.0/10

+ sign -3.849+/-0.050 χ^2/NDF: 233648.0/27

All: -2.496+/-0.033 χ^2/NDF: 434215.2/57

- 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: 0.053+/-0.064 χ^2/NDF:5475.8/11

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

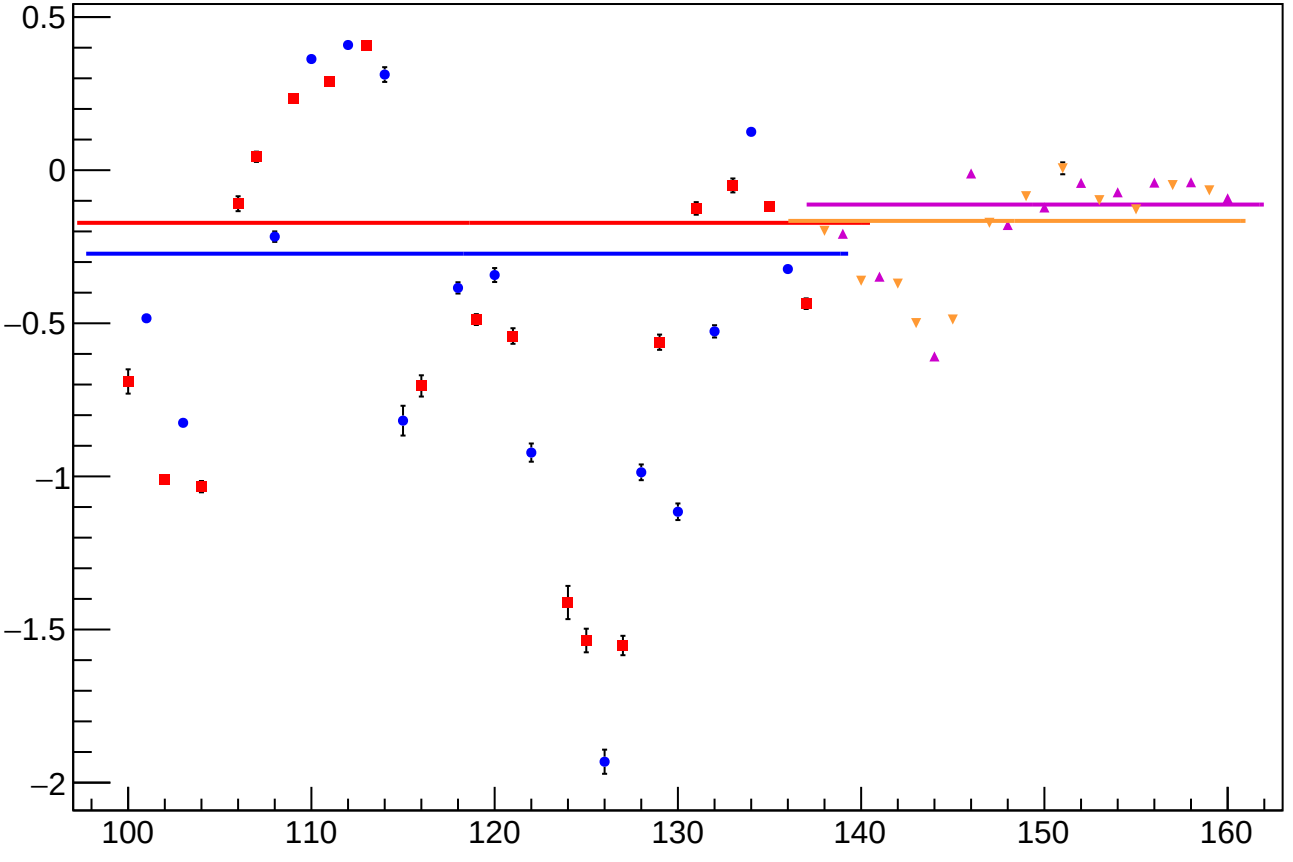
Left In: -0.453+/-0.053 χ^2/NDF:5773.2/10

+ sign -0.686+/-0.048 χ^2/NDF: 10242.7/27

All: -0.814+/-0.031 χ^2/NDF: 18645.4/57

- 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: -0.166+/-0.003 χ^2/NDF:2628.4/11

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

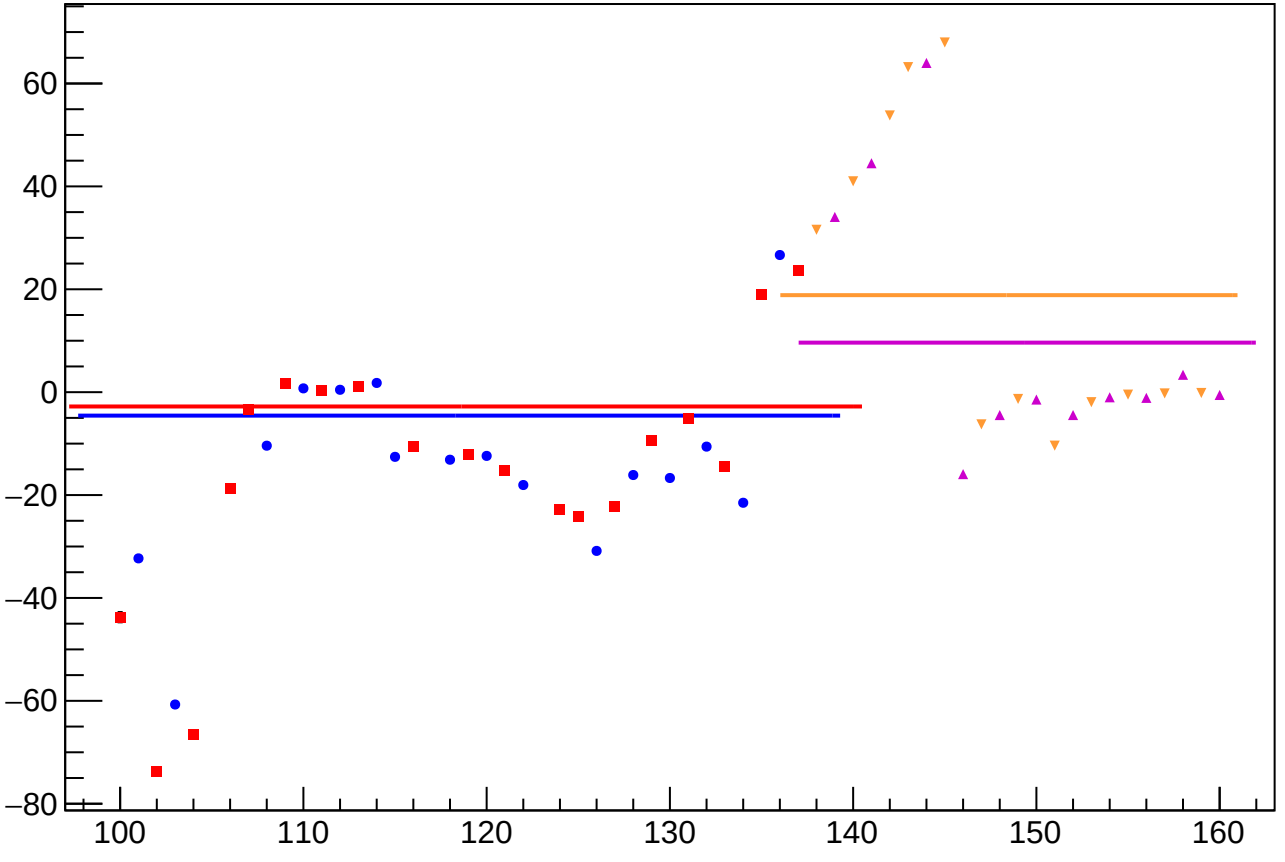
Left In: -0.112+/-0.002 χ^2/NDF:2863.1/10

+ sign -0.198+/-0.002 χ^2/NDF: 14932.2/27

All: -0.156+/-0.001 χ^2/NDF: 33845.8/57

- 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: 18.858+/-0.078 χ^2/NDF:104816.2/11

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

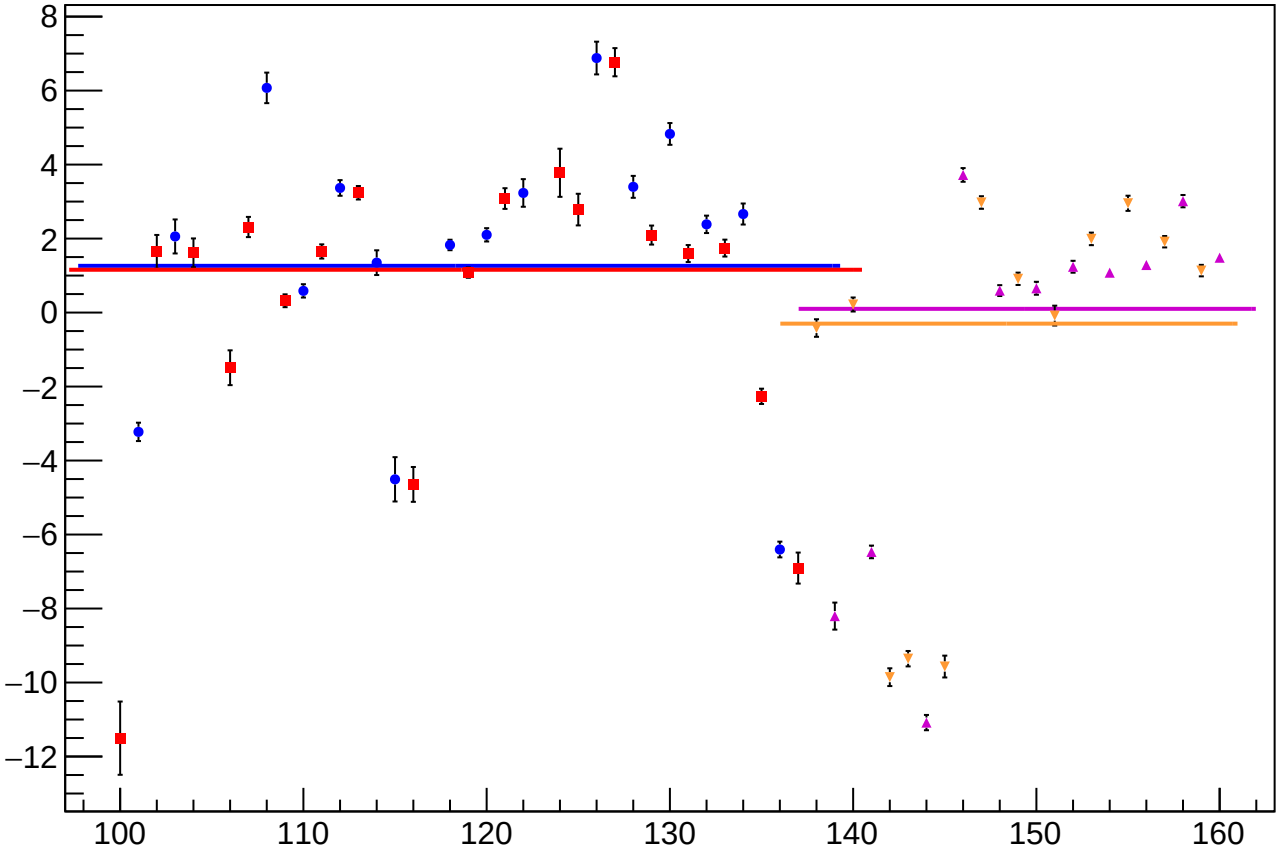
Left In: 9.630+/-0.067 χ^2/NDF:99466.5/10

+ sign 3.501+/-0.046 χ^2/NDF: 235932.2/27

All: 2.334+/-0.030 χ^2/NDF: 436891.1/57

- 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: -0.299+/-0.056 χ^2/NDF:5609.4/11

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

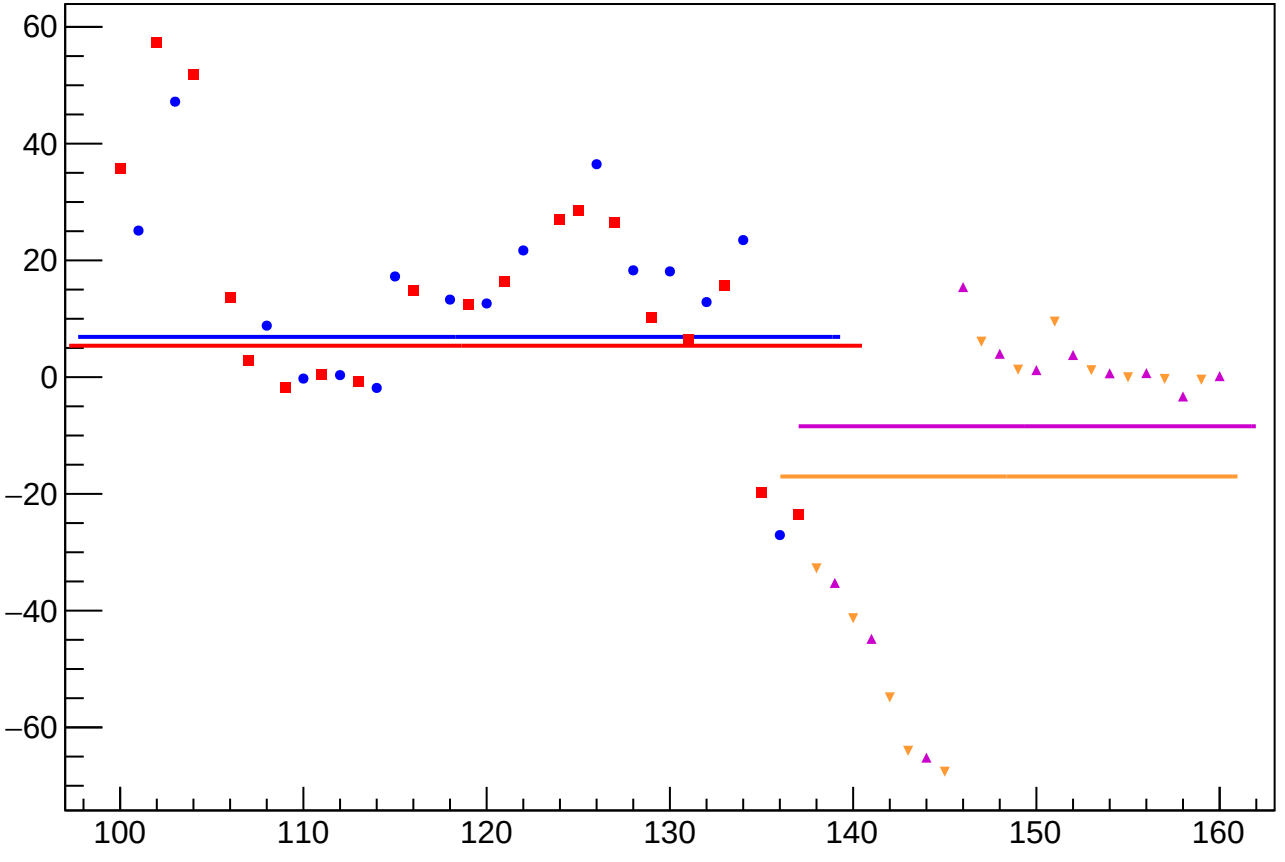
Left In: 0.101+/-0.046 χ^2/NDF:5975.9/10

+ sign 0.397+/-0.041 χ^2/NDF: 8404.9/27

All: 0.457+/-0.027 χ^2/NDF: 16072.7/57

- 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: -17.018+/-0.076 χ^2/NDF:106770.1/11

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

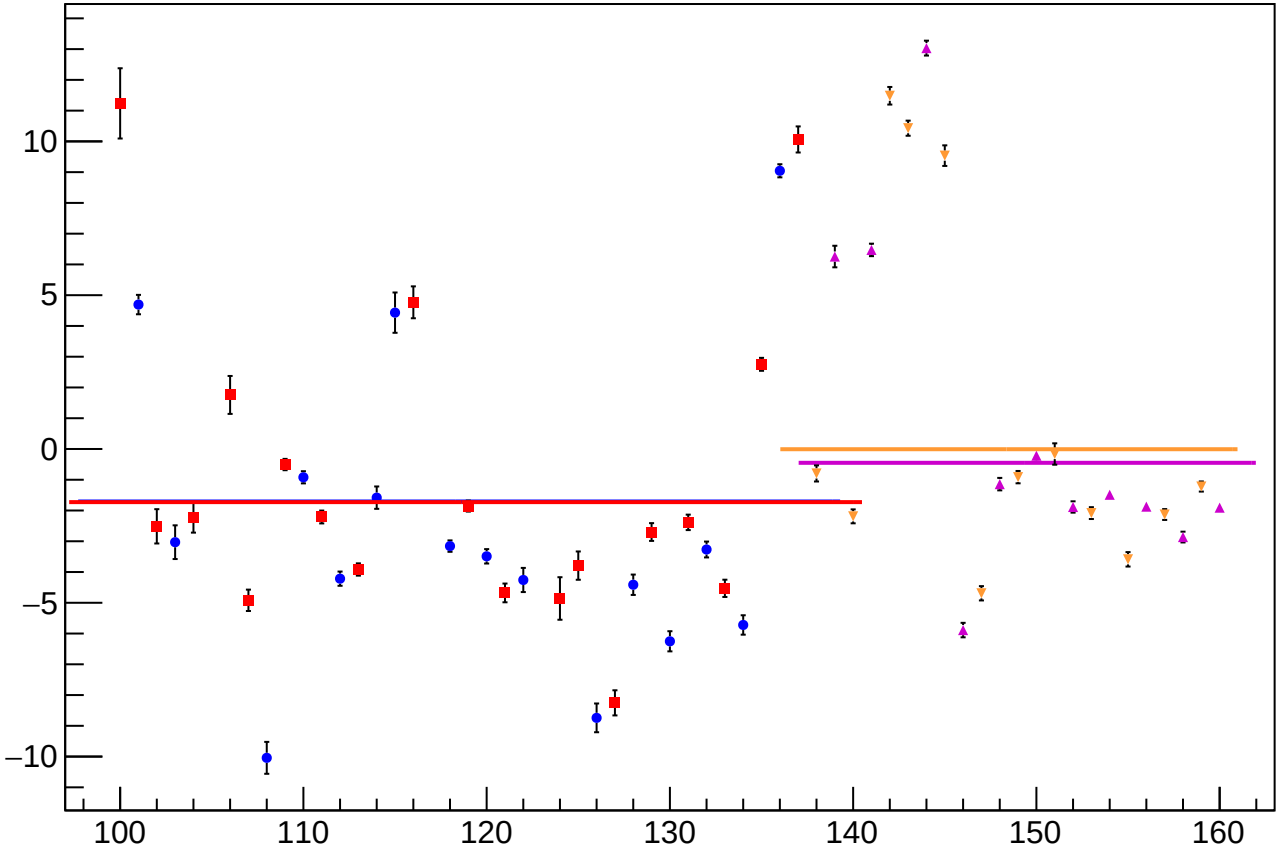
Left In: -8.416+/-0.064 χ^2/NDF:99899.5/10

+ sign -3.630+/-0.050 χ^2/NDF: 230280.1/27

All: -2.304+/-0.033 χ^2/NDF: 427775.9/57

- 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: -0.008+/-0.065 χ^2/NDF:5304.8/11

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

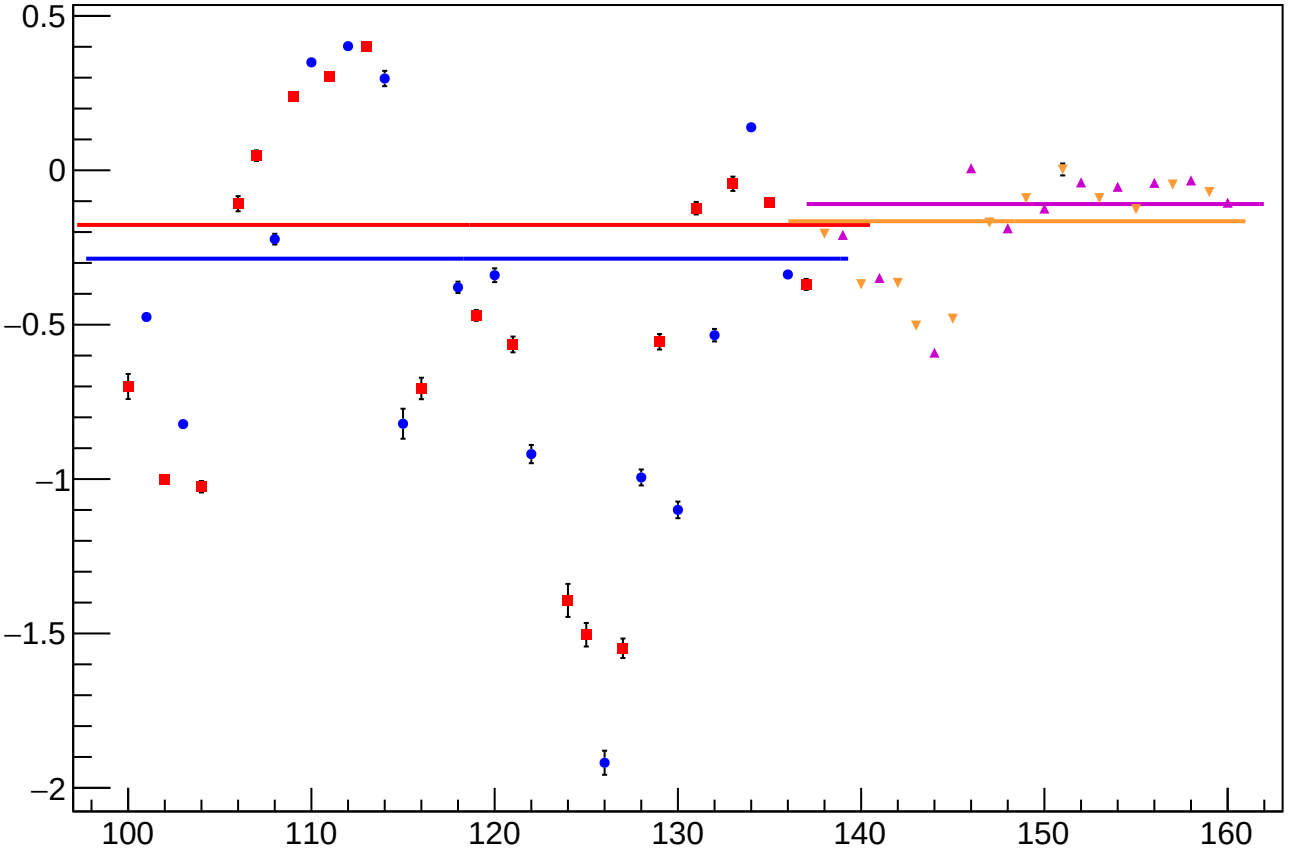
Left In: -0.450+/-0.053 χ^2/NDF:5725.6/10

+ sign -0.775+/-0.048 χ^2/NDF: 9904.3/27

All: -0.873+/-0.032 χ^2/NDF: 18169.7/57

- 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: -0.165+/-0.003 χ^2/NDF:2588.5/11

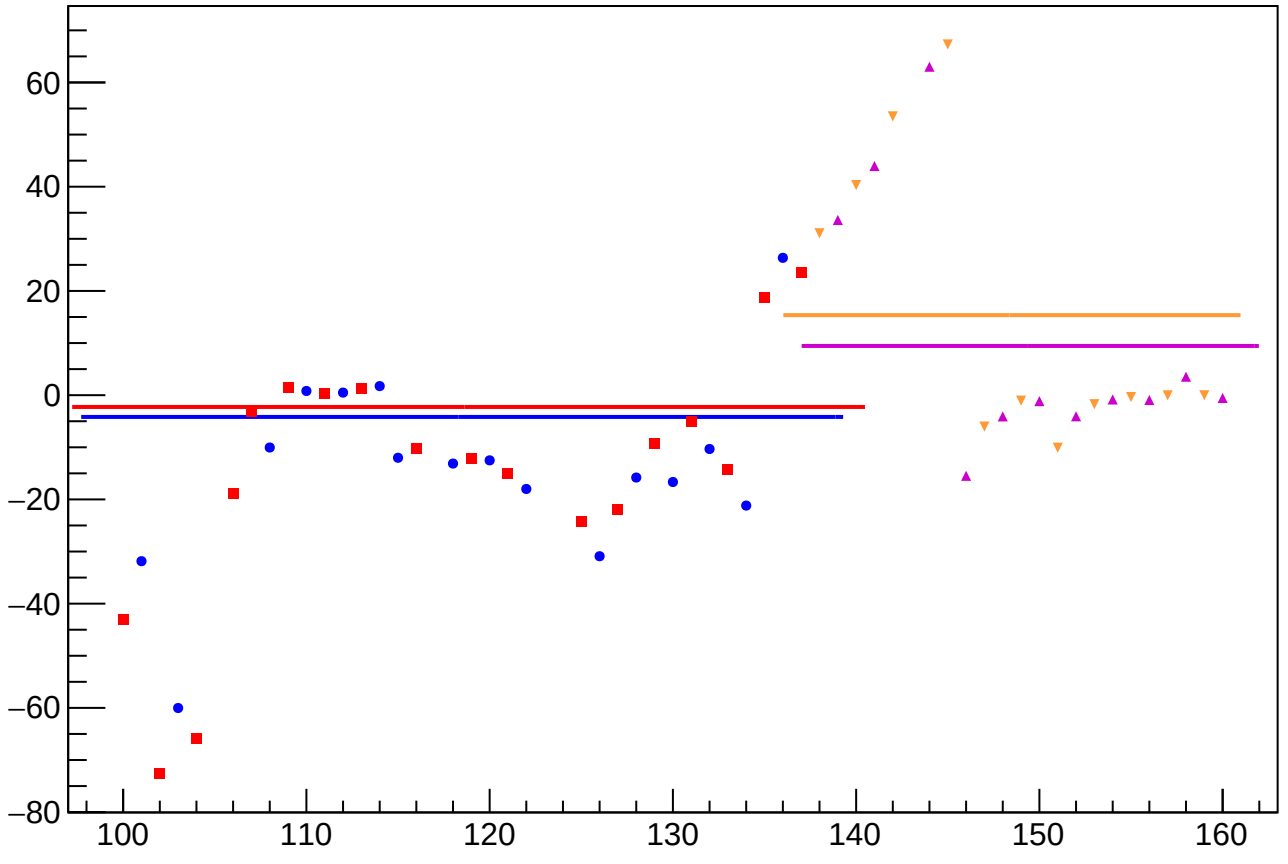
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.109+/-0.002 χ^2/NDF:2775.7/10

+ sign -0.202+/-0.002 χ^2/NDF: 14508.6/27

All: -0.157+/-0.002 χ^2/NDF: 32877.5/57

- 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: 15.358+/-0.079 χ^2/NDF:81712.7/10

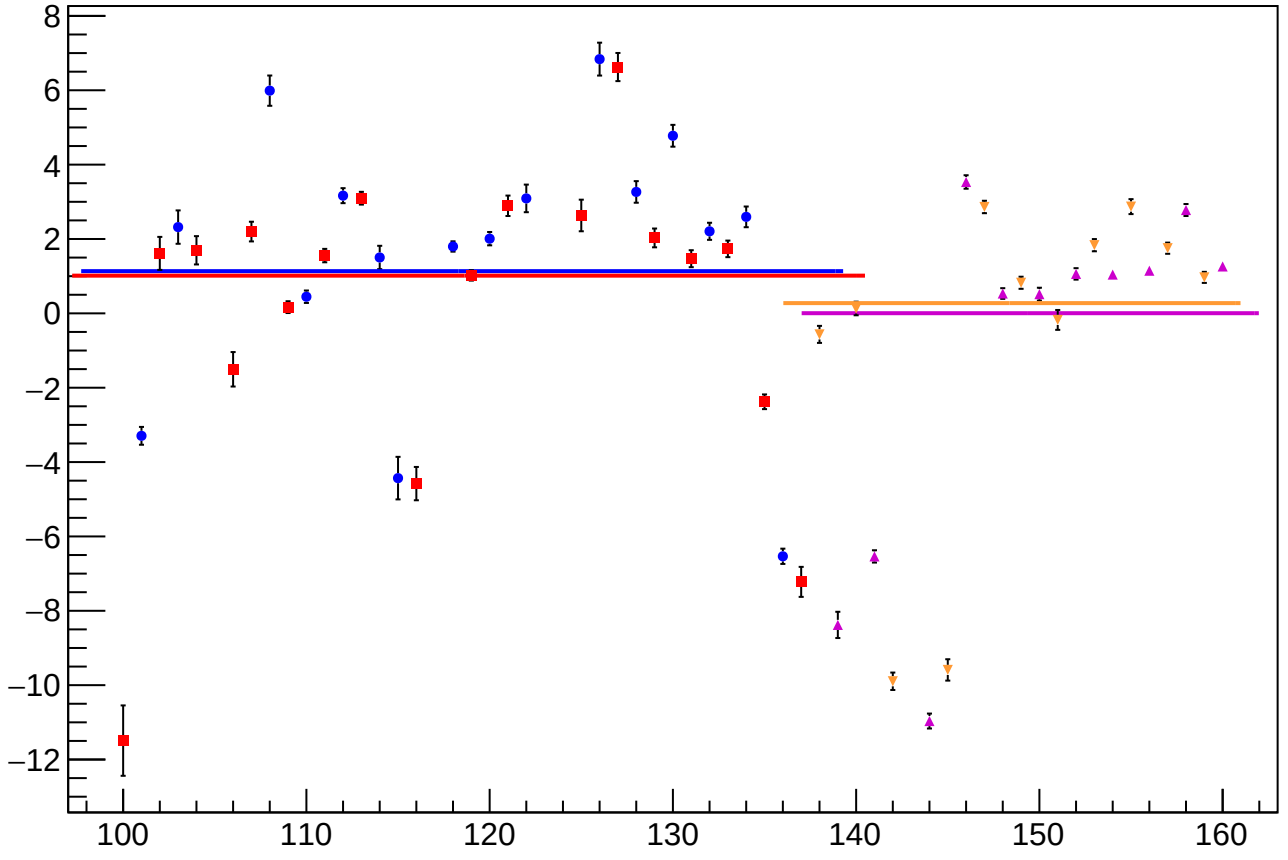
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 9.444+/-0.064 χ^2/NDF:102673.6/10

+ sign 2.116+/-0.045 χ^2/NDF: 198539.9/26

All: 1.874+/-0.029 χ^2/NDF: 402795.2/55

- 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: 0.275+/-0.056 χ^2/NDF:3704.7/10

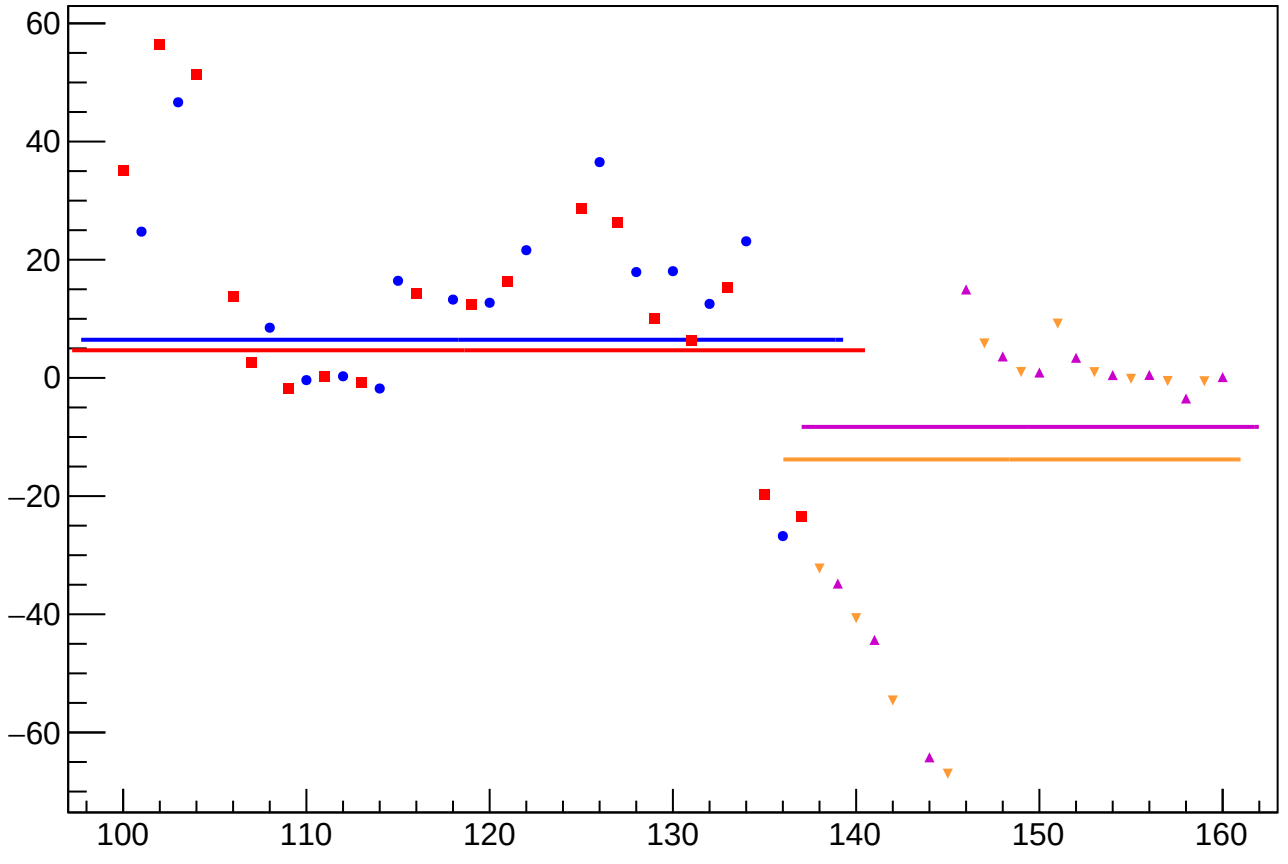
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.004+/-0.044 χ^2/NDF:6168.9/10

+ sign 0.675+/-0.041 χ^2/NDF: 6409.6/26

All: 0.507+/-0.027 χ^2/NDF: 14394.8/55

- 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: -13.800+/-0.076 χ^2/NDF:82467.9/10

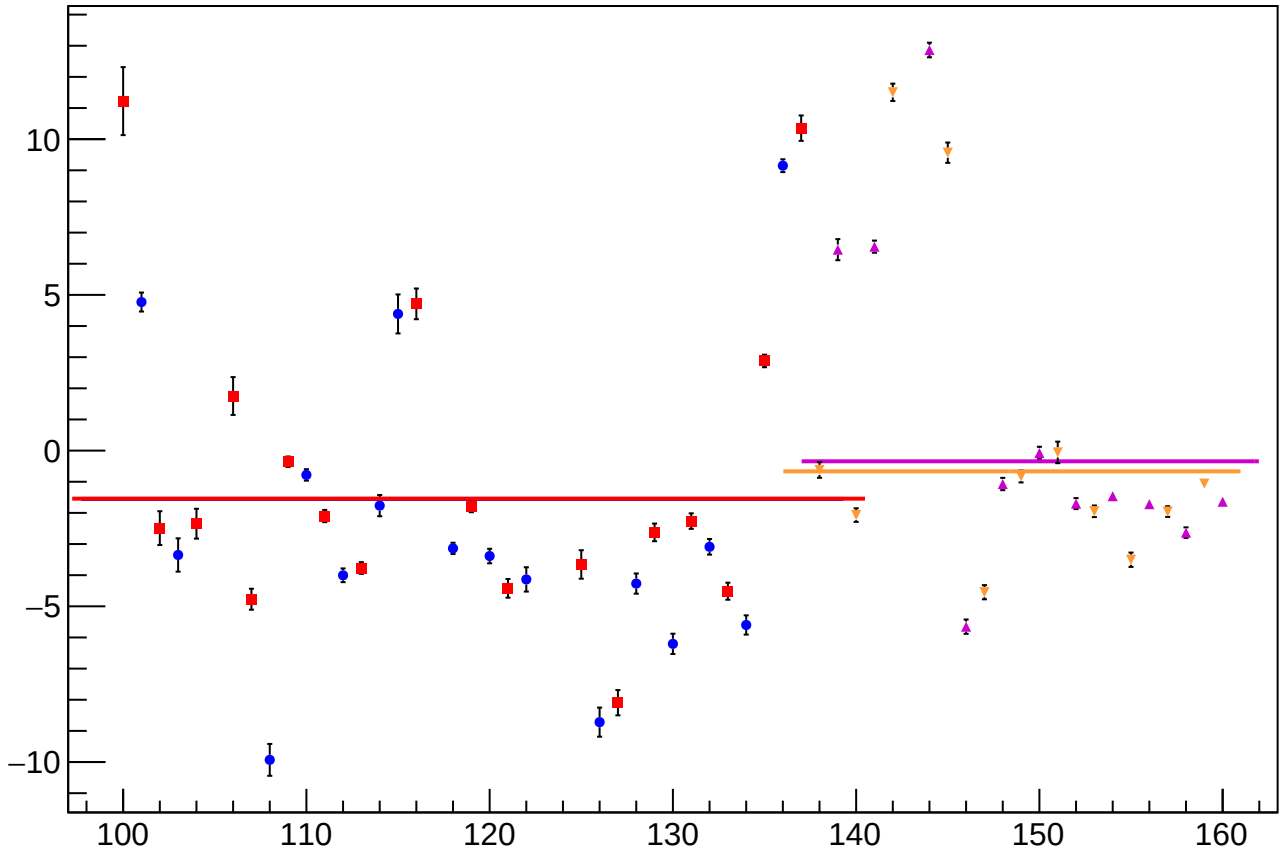
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -8.288+/-0.061 χ^2/NDF:103114.5/10

+ sign -2.064+/-0.049 χ^2/NDF: 194171.2/26

All: -1.785+/-0.032 χ^2/NDF: 394982.9/55

- 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: -0.665+/-0.065 χ^2/NDF:3482.4/10

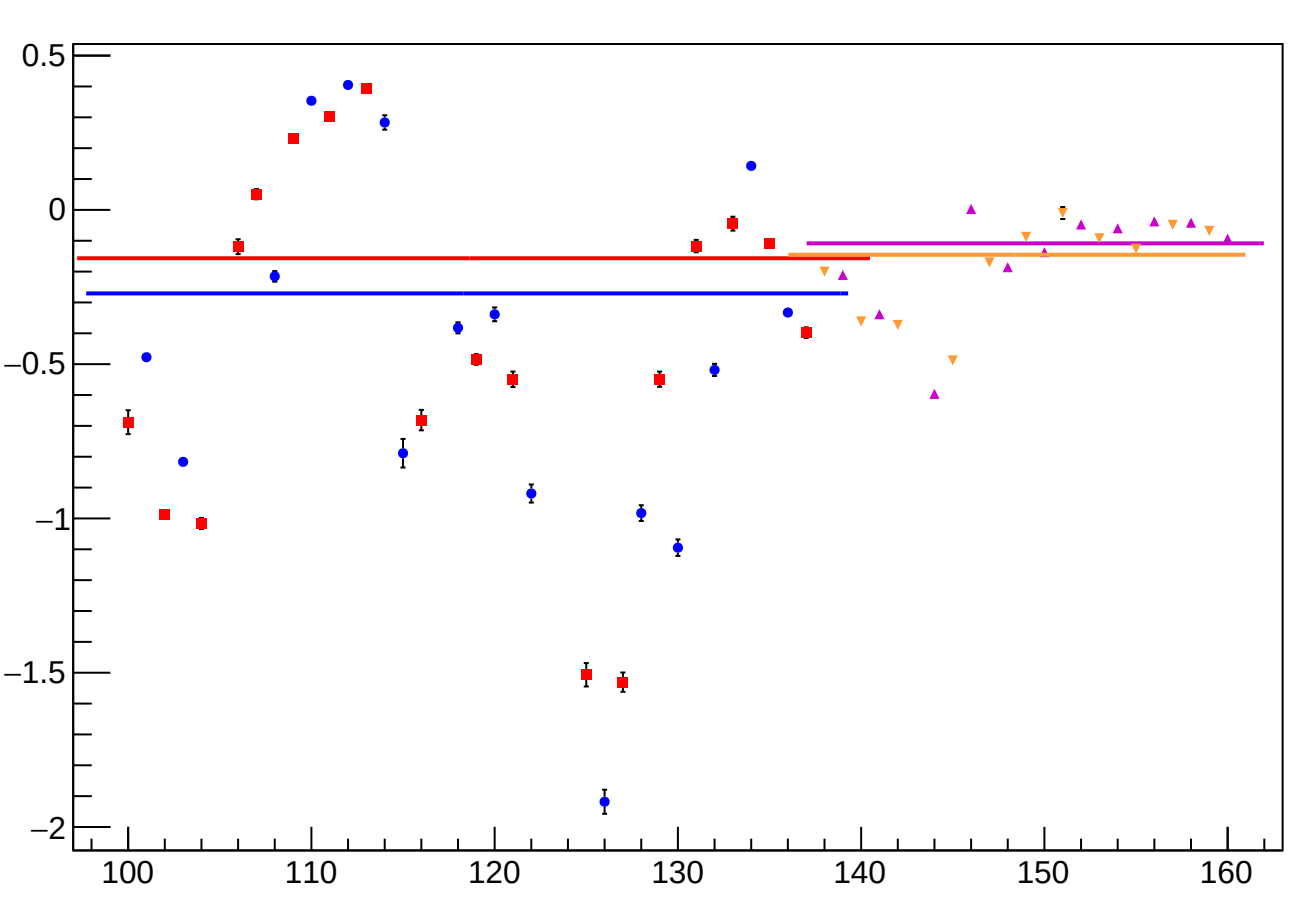
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.344+/-0.051 χ^2/NDF:5885.3/10

+ sign -1.083+/-0.048 χ^2/NDF: 8112.6/26

All: -0.921+/-0.031 χ^2/NDF: 16702.3/55

- 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: -0.145+/-0.003 χ^2/NDF:1863.3/10

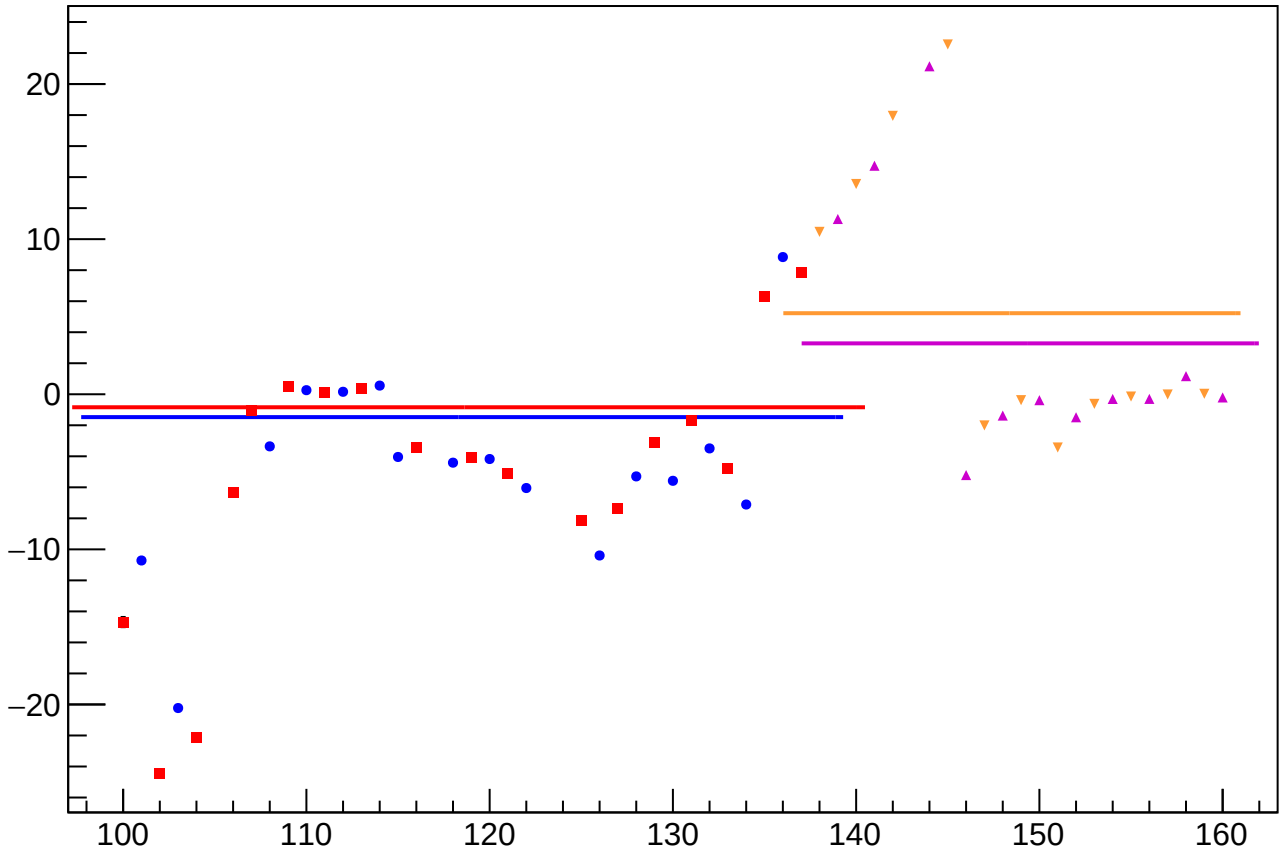
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.108+/-0.002 χ^2/NDF:2915.5/10

+ sign -0.185+/-0.002 χ^2/NDF: 14584.2/26

All: -0.146+/-0.001 χ^2/NDF: 33107.4/55

- sign -0.120+/-0.002 χ^2/NDF: 18056.9/28



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 5.226+/-0.027 χ^2/NDF:79978.7/10

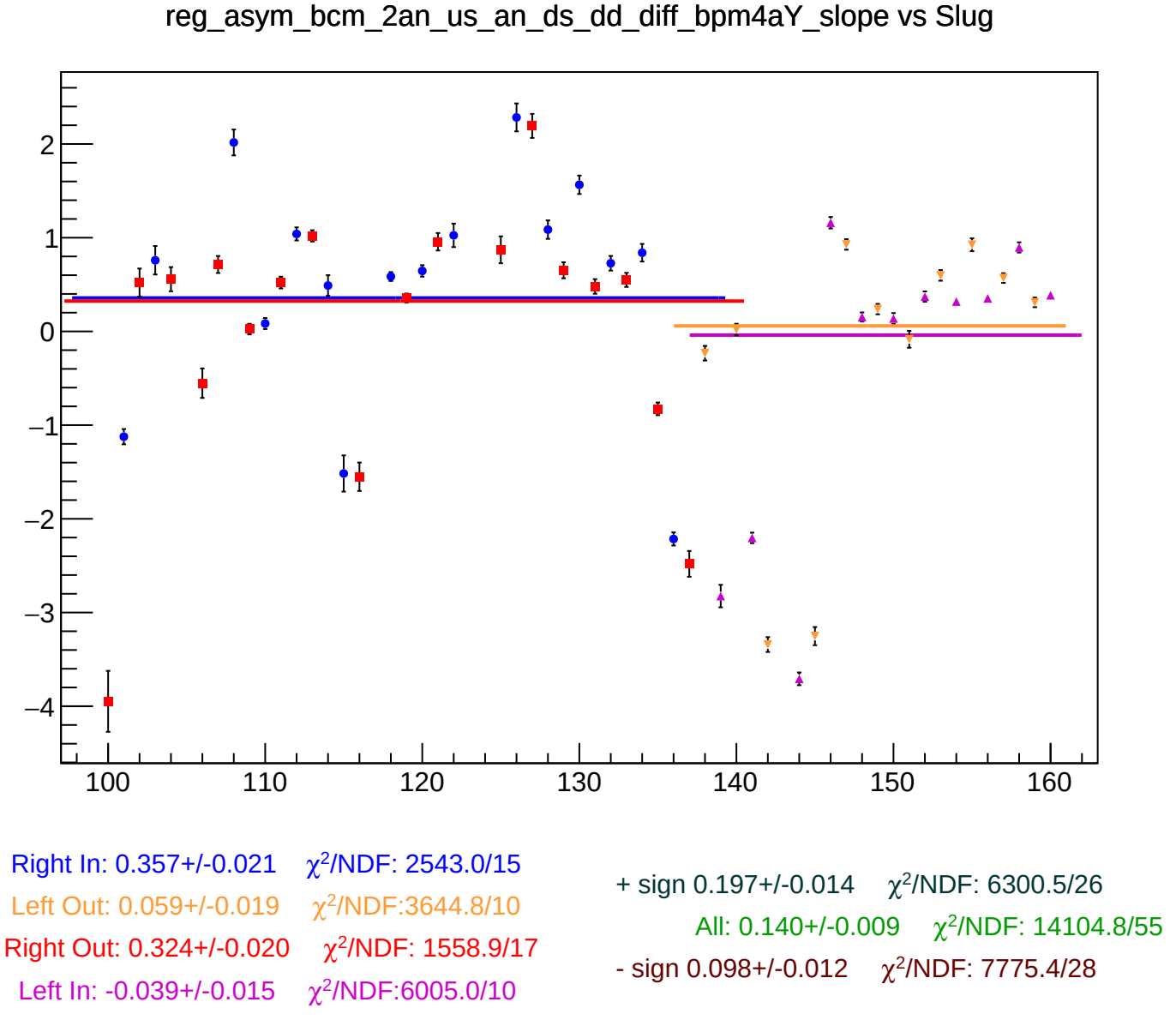
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

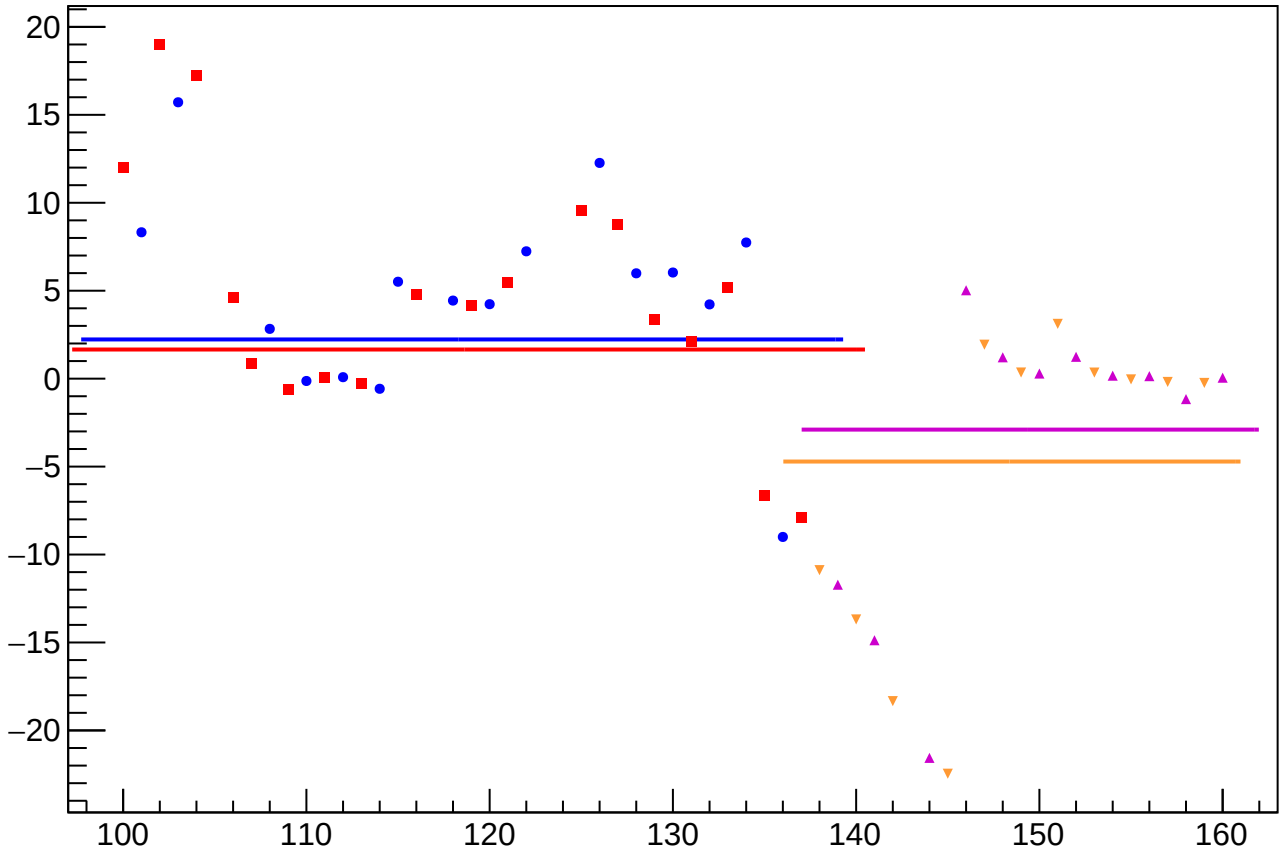
Left In: 3.281+/-0.022 χ^2/NDF:100016.4/10

+ sign 0.706+/-0.015 χ^2/NDF: 195292.3/26

All: 0.629+/-0.010 χ^2/NDF: 396010.6/55

- sign 0.574+/-0.013 χ^2/NDF: 200675.7/28


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: 0.357+/-0.021 χ²/NDF: 2543.0/15
Left Out: 0.059+/-0.019 χ²/NDF:3644.8/10
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: -0.039+/-0.015 χ²/NDF:6005.0/10
+ sign 0.197+/-0.014 χ²/NDF: 6300.5/26
All: 0.140+/-0.009 χ²/NDF: 14104.8/55
- sign 0.098+/-0.012 χ²/NDF: 7775.4/28



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -4.712+/-0.026 χ^2/NDF:80773.9/10

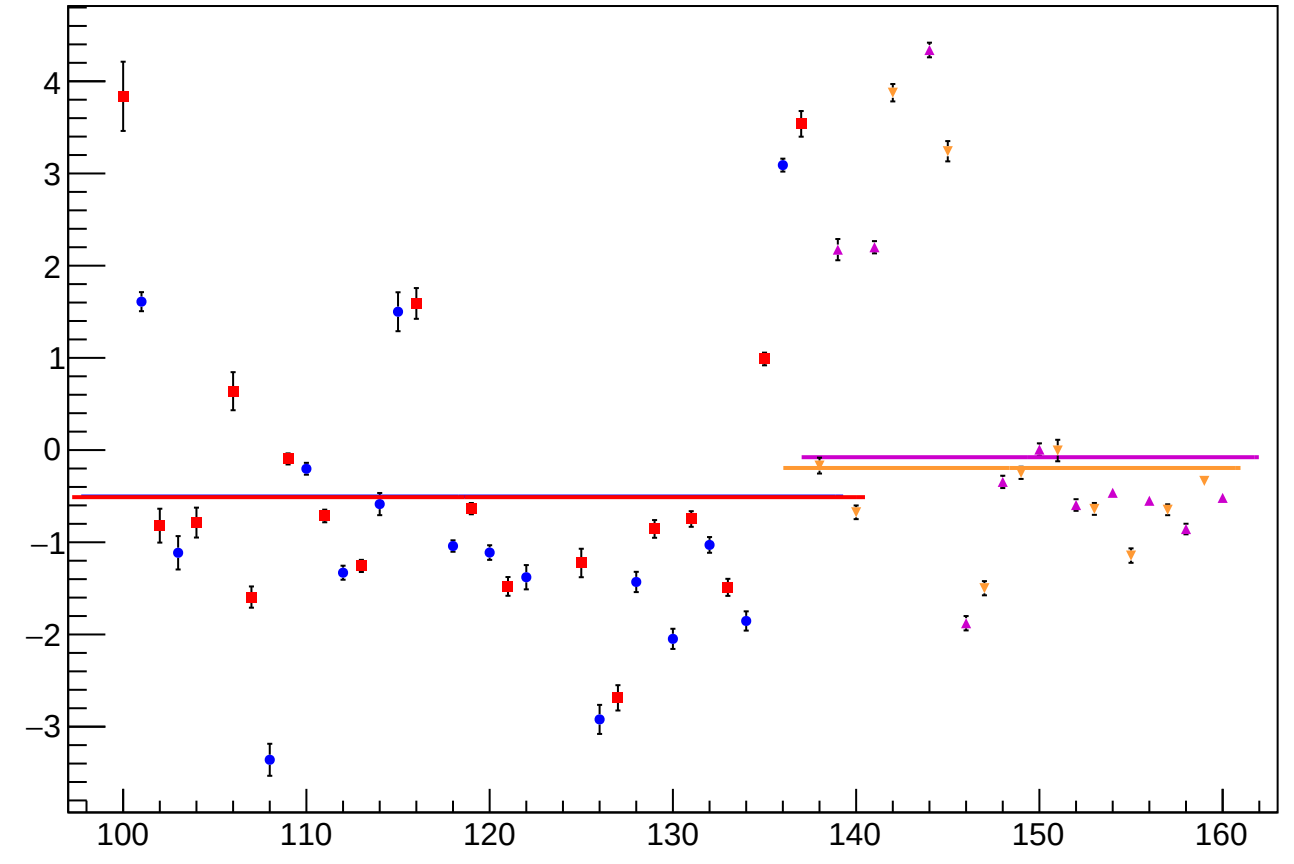
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -2.897+/-0.021 χ^2/NDF:100585.3/10

+ sign -0.700+/-0.017 χ^2/NDF: 191010.1/26

All: -0.612+/-0.011 χ^2/NDF: 388416.4/55

- sign -0.545+/-0.015 χ^2/NDF: 197358.0/28



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.194+/-0.022 χ^2/NDF:3427.4/10

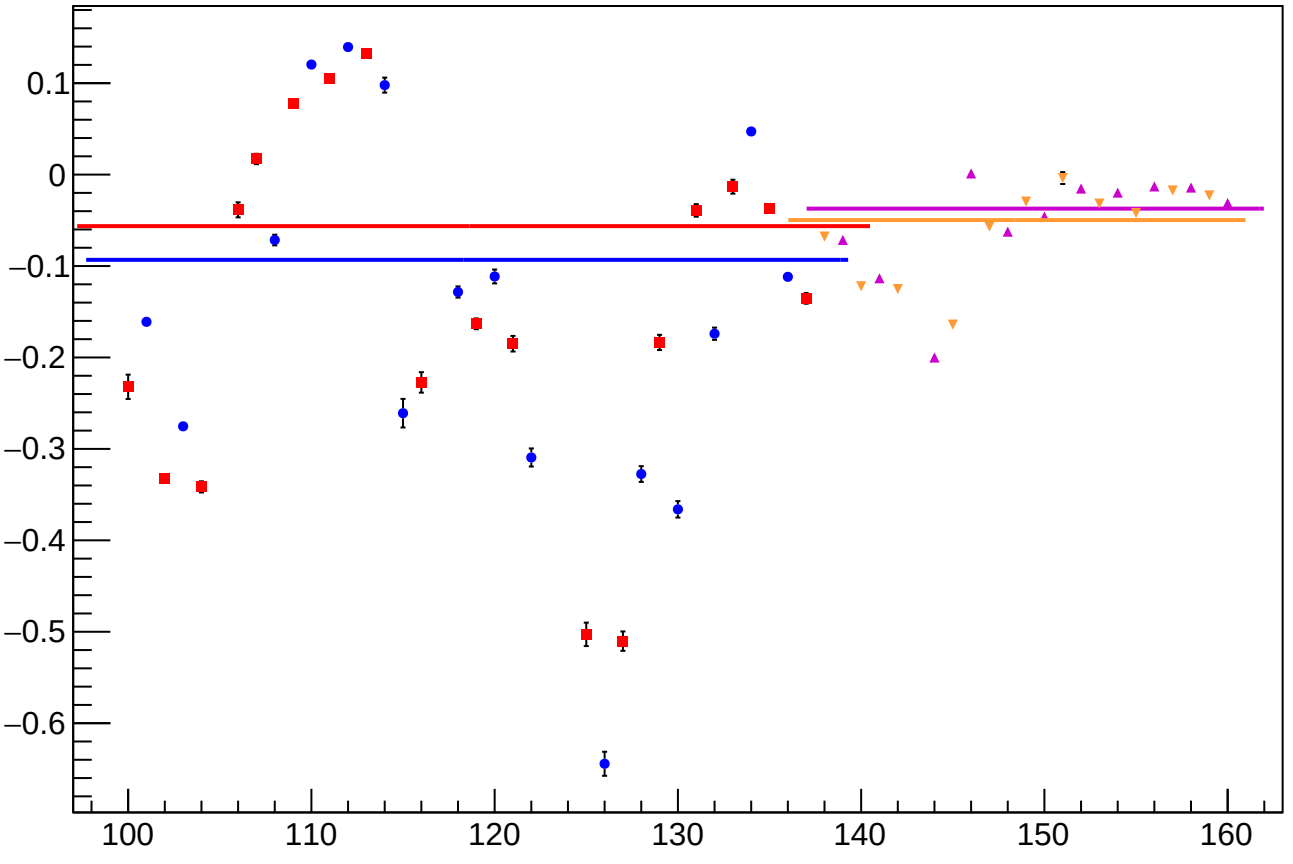
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.077+/-0.018 χ^2/NDF:5741.2/10

+ sign -0.340+/-0.016 χ^2/NDF: 7965.0/26

All: -0.285+/-0.011 χ^2/NDF: 16382.0/55

- sign -0.245+/-0.014 χ^2/NDF: 8397.4/28



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.050+/-0.001 χ^2/NDF:1817.3/10

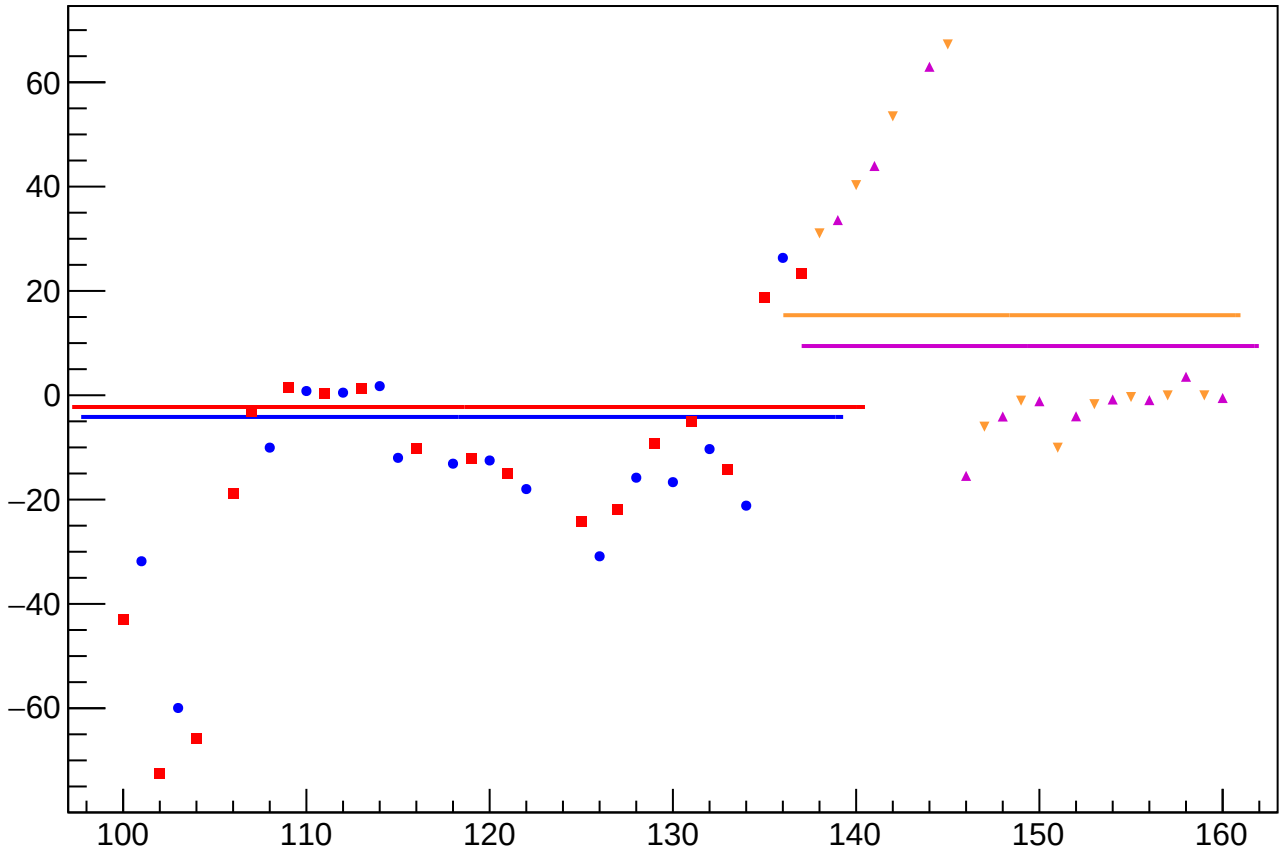
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.037+/-0.001 χ^2/NDF:2839.3/10

+ sign -0.064+/-0.001 χ^2/NDF: 14205.2/26

All: -0.051+/-0.001 χ^2/NDF: 32101.2/55

- 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: 15.347+/-0.079 χ^2/NDF:81707.8/10

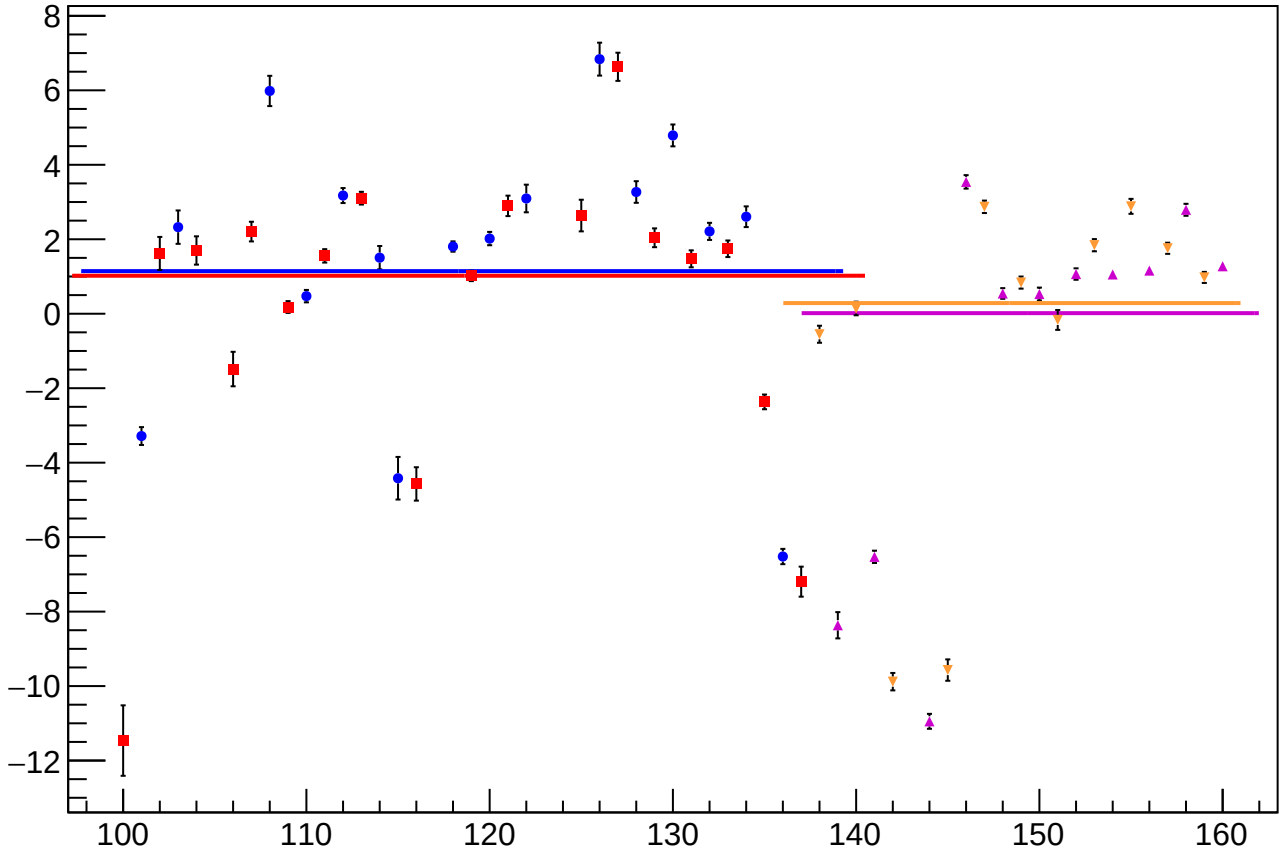
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 9.438+/-0.064 χ^2/NDF:102686.1/10

+ sign 2.118+/-0.045 χ^2/NDF: 198536.8/26

All: 1.876+/-0.029 χ^2/NDF: 402807.9/55

- 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: 0.286+/-0.056 χ^2/NDF:3705.4/10

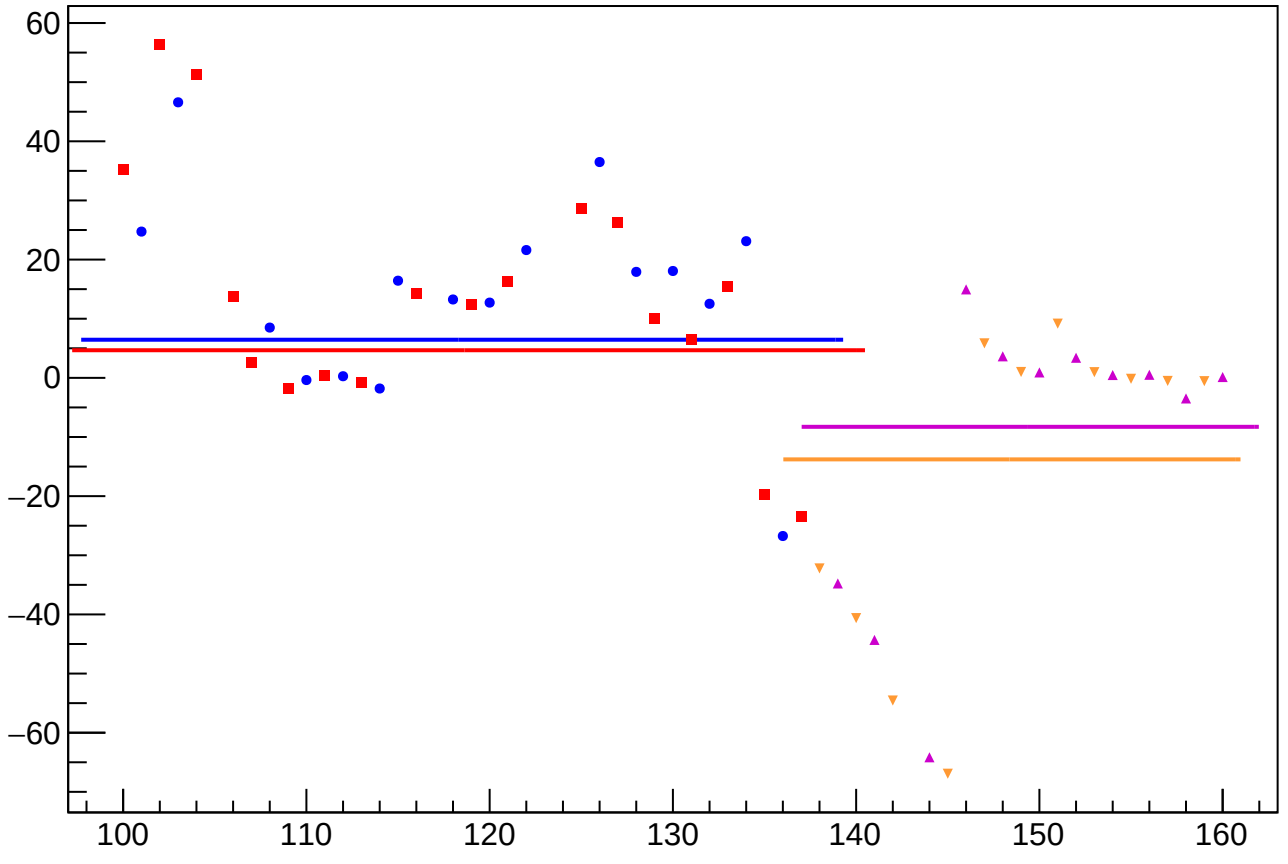
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.016+/-0.044 χ^2/NDF:6174.7/10

+ sign 0.685+/-0.041 χ^2/NDF: 6409.6/26

All: 0.517+/-0.027 χ^2/NDF: 14397.5/55

- 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: -13.784+/-0.076 χ^2/NDF:82461.0/10

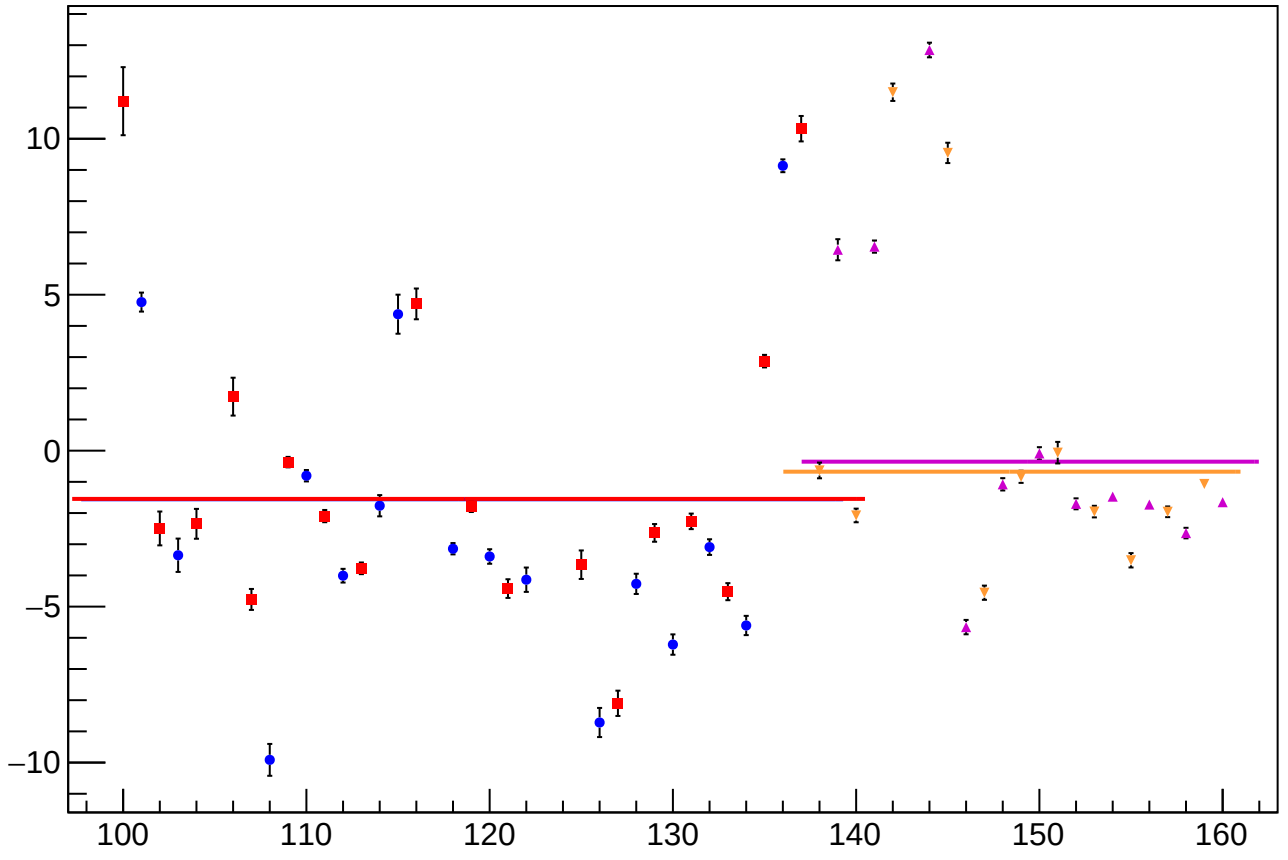
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -8.277+/-0.061 χ^2/NDF:103124.9/10

+ sign -2.061+/-0.049 χ^2/NDF: 194163.6/26

All: -1.780+/-0.032 χ^2/NDF: 394982.3/55

- 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: -0.674+/-0.065 χ^2/NDF:3482.9/10

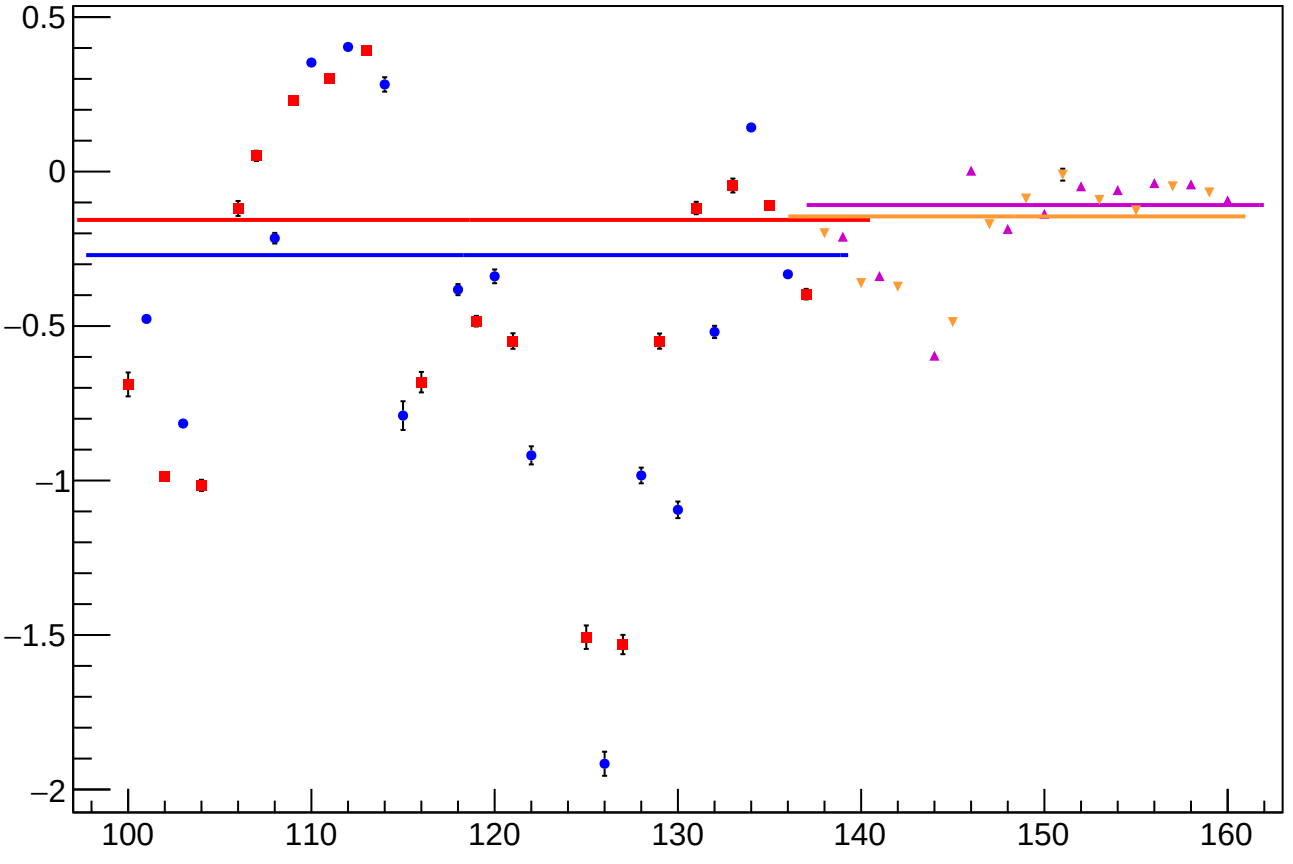
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.353+/-0.051 χ^2/NDF:5889.7/10

+ sign -1.090+/-0.048 χ^2/NDF: 8112.4/26

All: -0.929+/-0.031 χ^2/NDF: 16702.1/55

- 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: -0.145+/-0.003 χ^2/NDF:1864.5/10

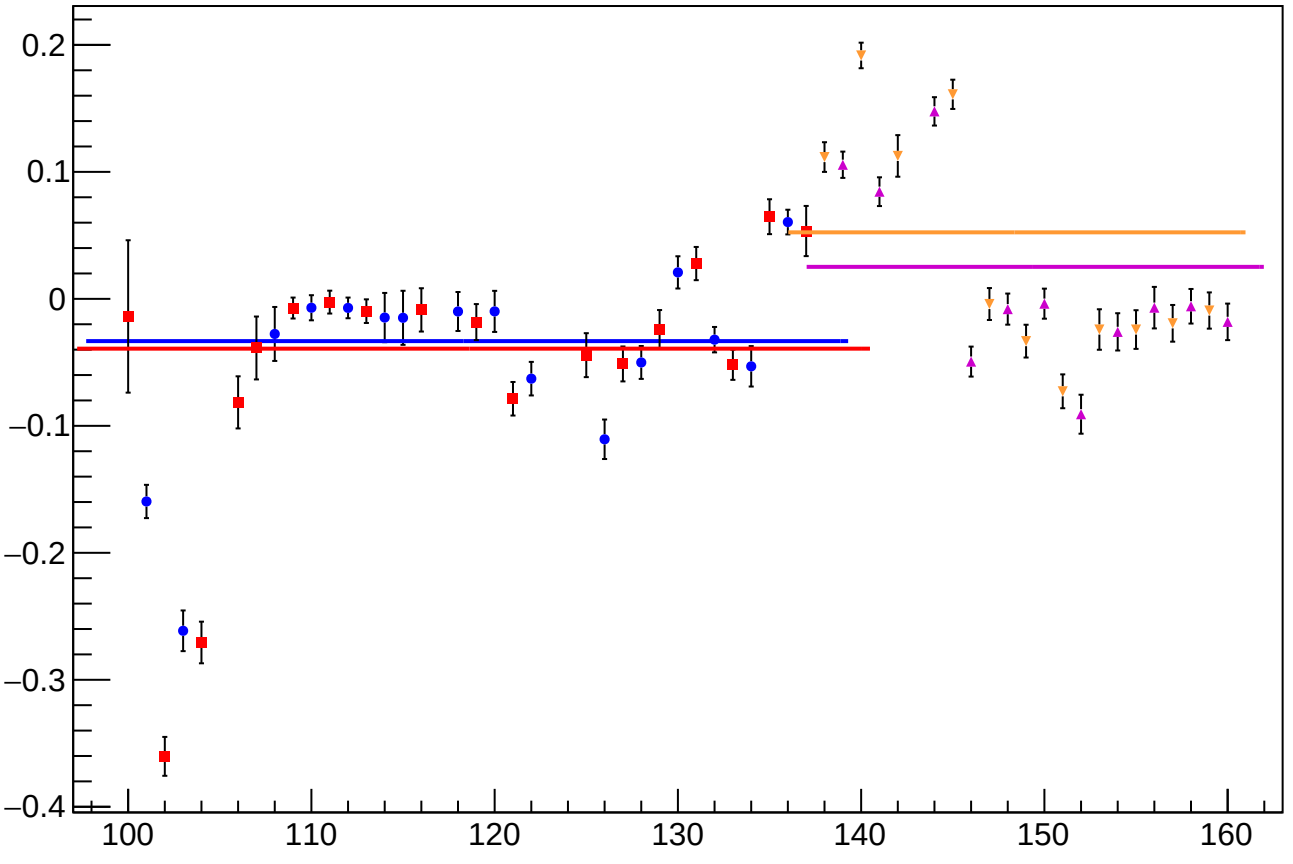
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.108+/-0.002 χ^2/NDF:2915.5/10

+ sign -0.185+/-0.002 χ^2/NDF: 14586.8/26

All: -0.146+/-0.001 χ^2/NDF: 33118.4/55

- 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: 0.052+/-0.004 χ^2/NDF:563.6/10

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

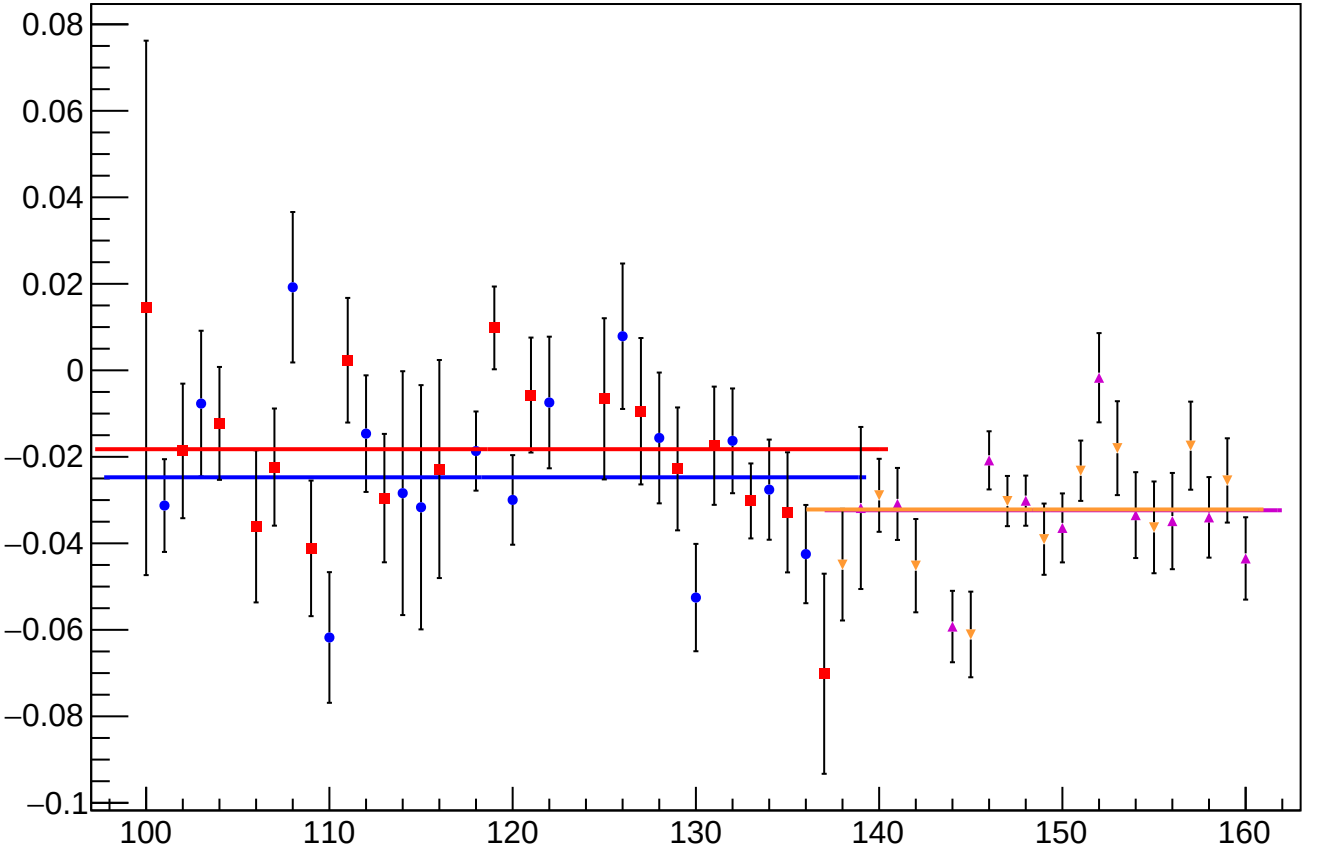
Left In: 0.025+/-0.004 χ^2/NDF:348.5/10

+ sign 0.001+/-0.002 χ^2/NDF: 1310.5/26

All: -0.006+/-0.002 χ^2/NDF: 2650.5/55

- 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: -0.032+/-0.003 χ^2/NDF:18.0/10

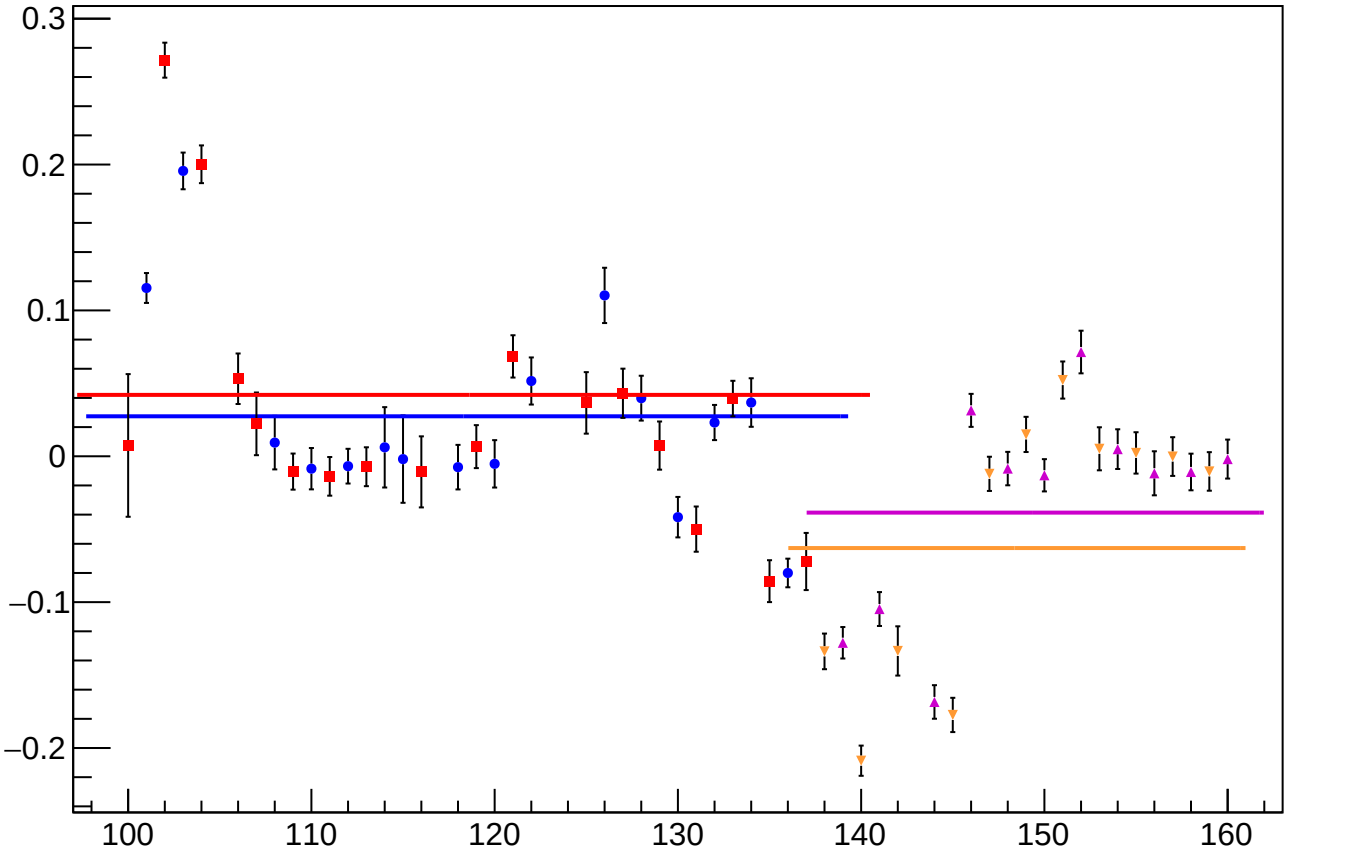
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.032+/-0.003 χ^2/NDF:24.3/10

+ sign -0.029+/-0.002 χ^2/NDF: 49.6/26

All: -0.028+/-0.001 χ^2/NDF: 110.1/55

- 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: -0.063+/-0.004 χ^2/NDF:567.3/10

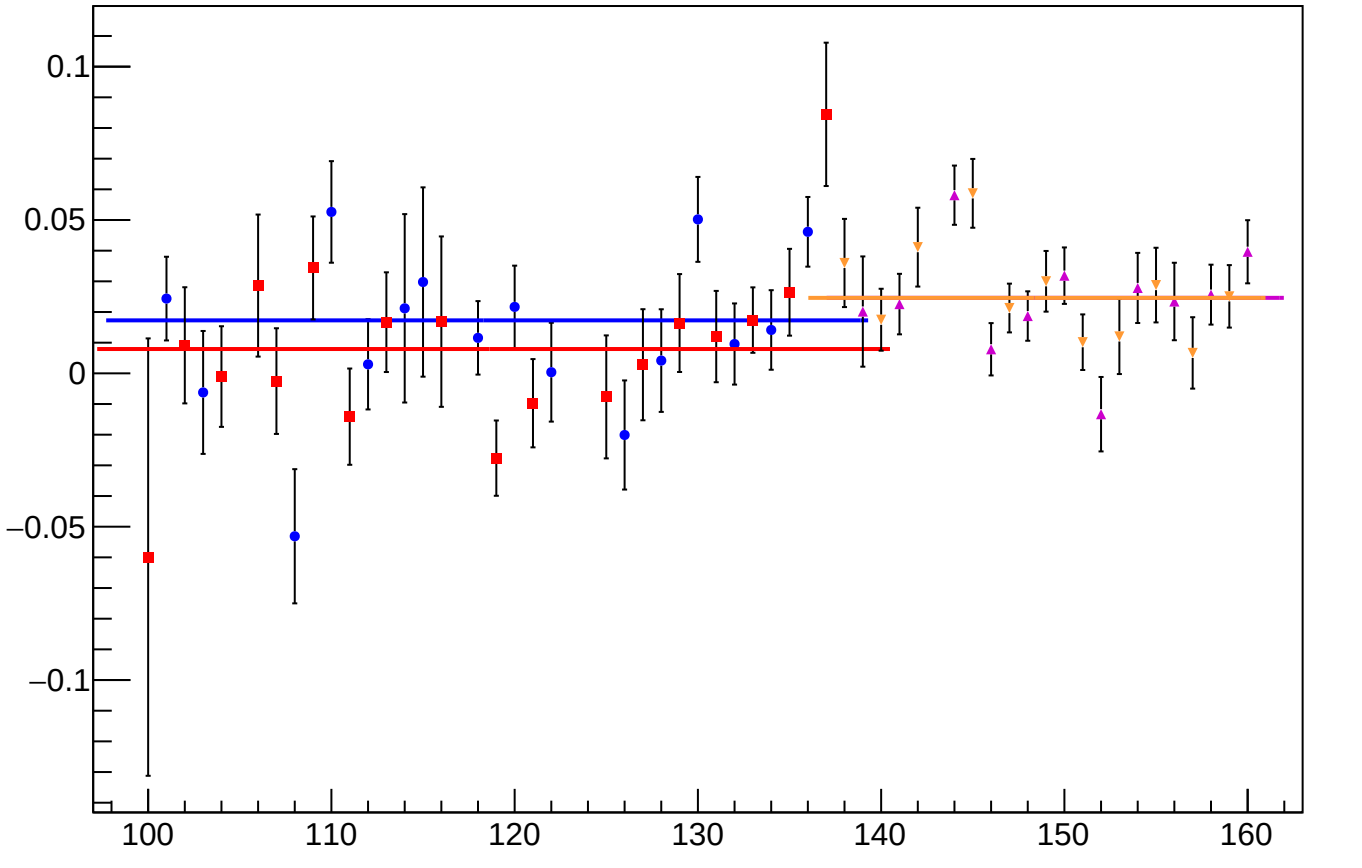
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.039+/-0.004 χ^2/NDF:361.3/10

\+ sign -0.015+/-0.003 χ^2/NDF: 1310.4/26

All: -0.006+/-0.002 χ^2/NDF: 2668.8/55

\- 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: 0.025+/-0.003 χ^2/NDF:18.6/10

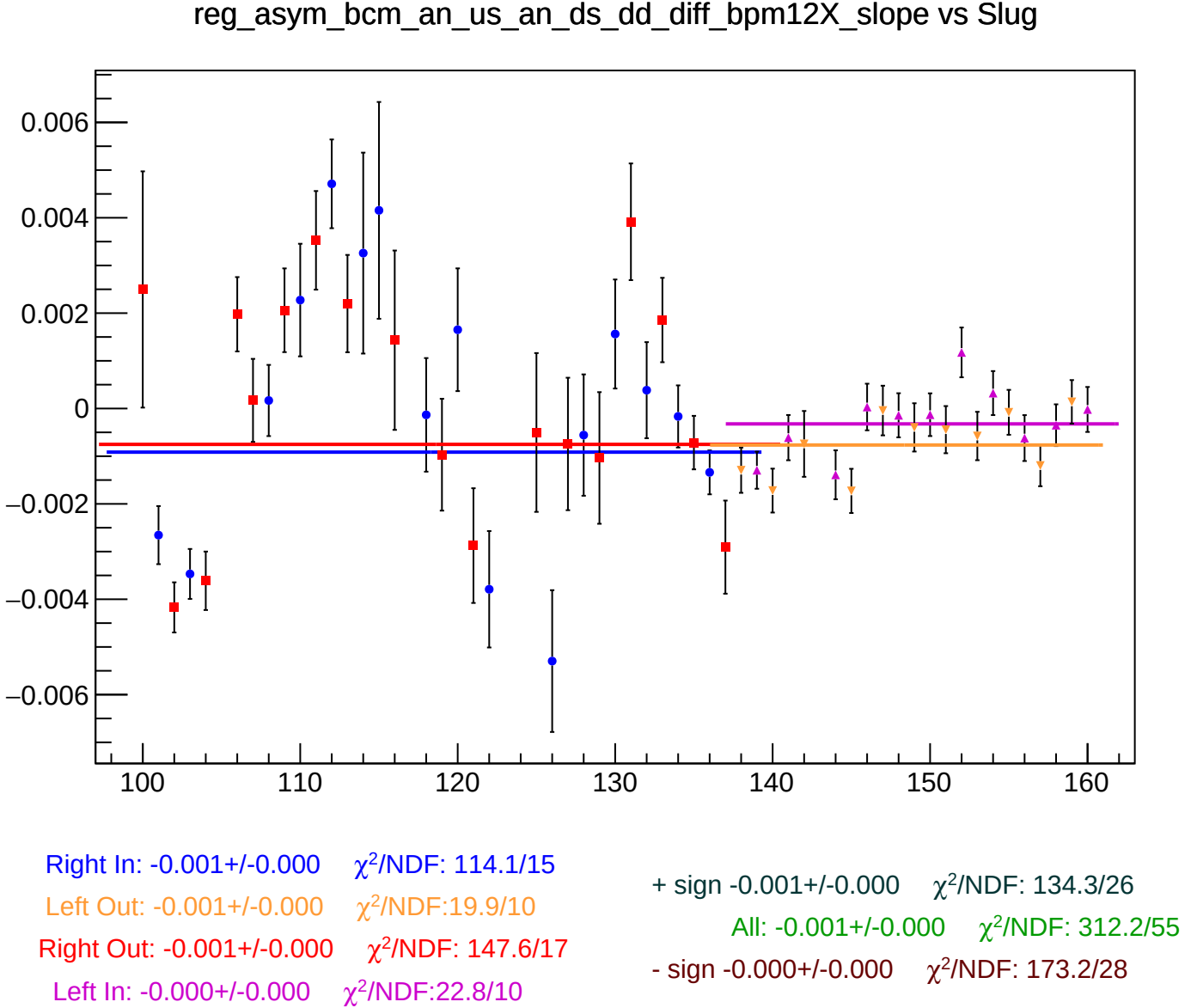
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.025+/-0.003 χ^2/NDF:29.1/10

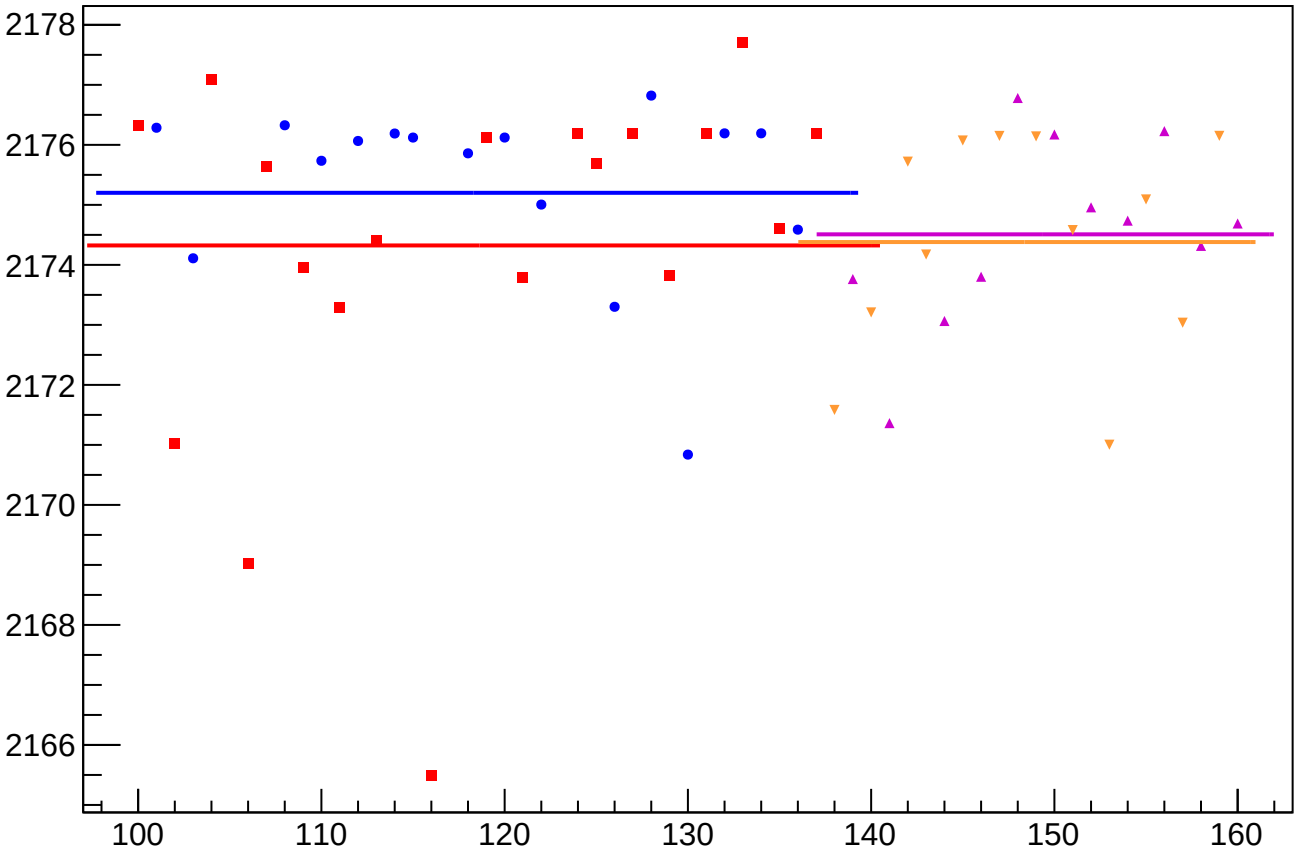
\+ sign 0.022+/-0.002 χ^2/NDF: 57.4/26

All: 0.020+/-0.002 χ^2/NDF: 130.1/55

\- sign 0.018+/-0.002 χ^2/NDF: 71.8/28


reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
100
110
120
130
140
150
160
Right In: -0.001+/-0.000 χ²/NDF: 114.1/15
Left Out: -0.001+/-0.000 χ²/NDF:19.9/10
Right Out: -0.001+/-0.000 χ²/NDF: 147.6/17
Left In: -0.000+/-0.000 χ²/NDF:22.8/10
+ sign -0.001+/-0.000 χ²/NDF: 134.3/26
All: -0.001+/-0.000 χ²/NDF: 312.2/55
- sign -0.000+/-0.000 χ²/NDF: 173.2/28

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.381+/-0.000 χ^2/NDF:3120203205489671702788746113974272.0/11

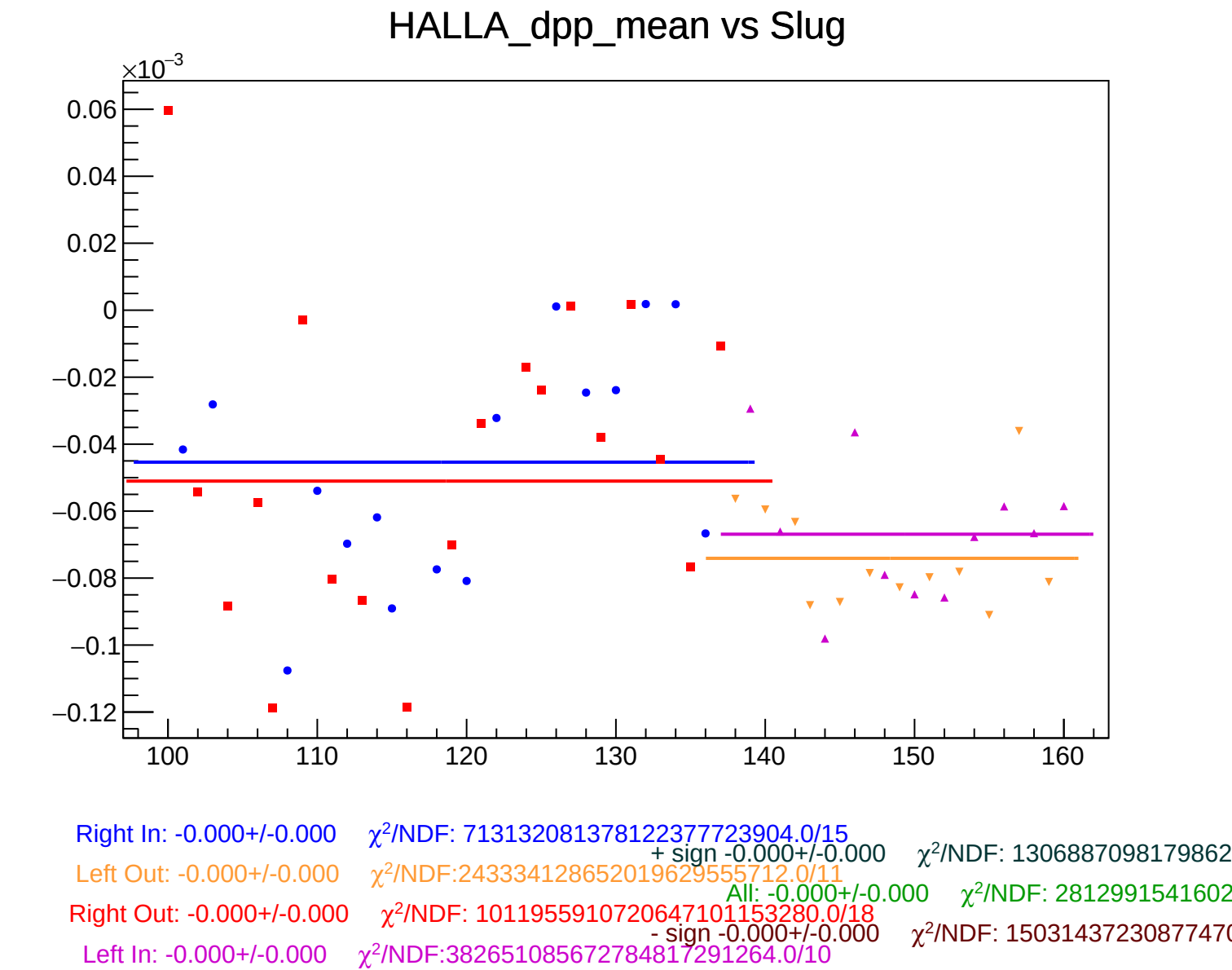
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.509+/-0.000 χ^2/NDF:219767600187603040890921225394585 6.0/10

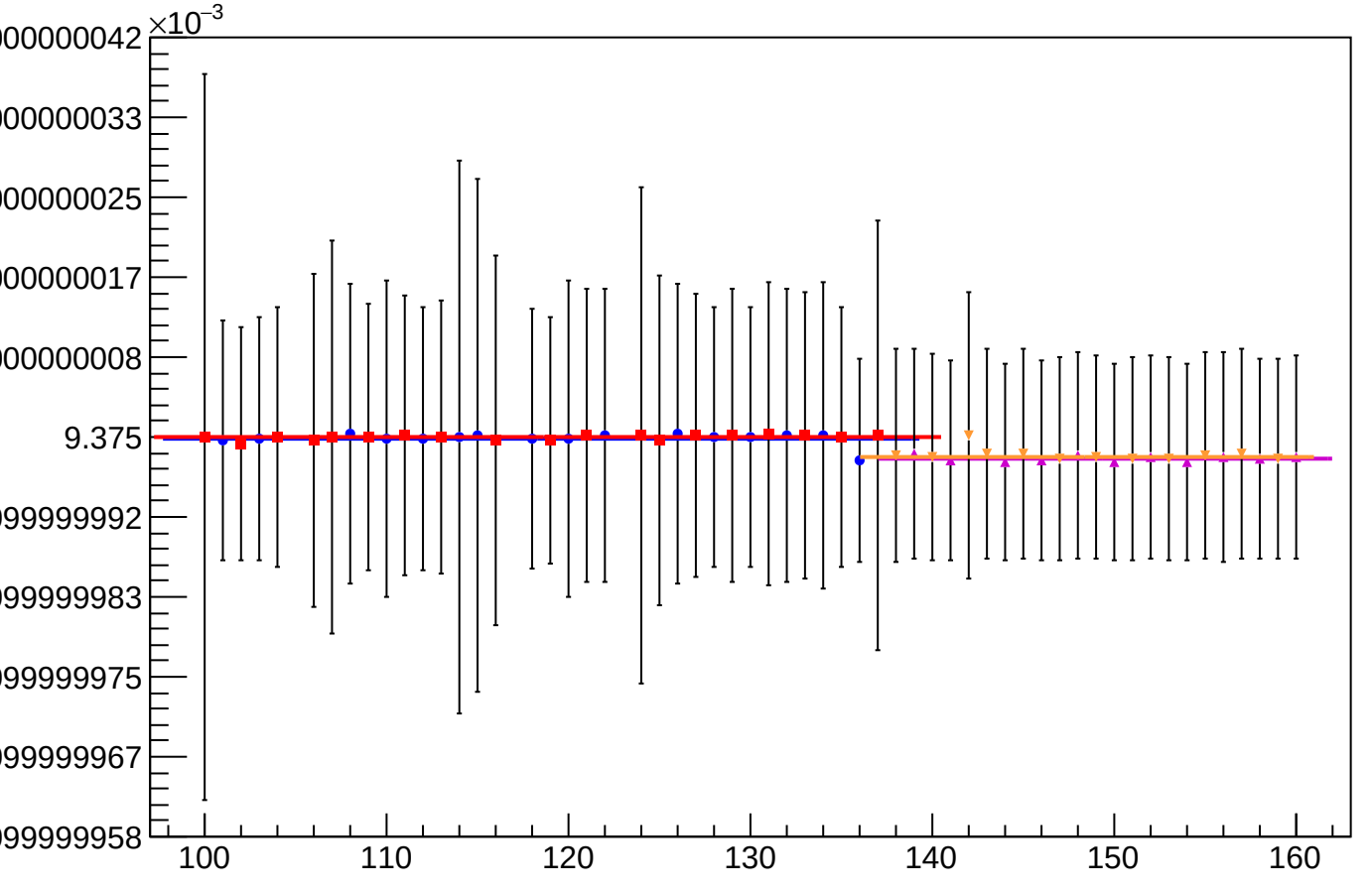
+ sign 2174.731+/-0.000 χ^2/NDF: 5171942599287 3

All: 2174.579+/-0.000 χ^2/NDF: 1300627267 3

- sign 2174.429+/-0.000 χ^2/NDF: 7754691575454 4


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
Left Out: -0.000+/-0.000 χ²/NDF:2433341286520196295557120.0/11
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: -0.000+/-0.000 χ²/NDF:3826510856727848172912640.0/10
+ sign -0.000+/-0.000 χ²/NDF: 1306887098179862
All: -0.000+/-0.000 χ²/NDF: 2812991541602
- sign -0.000+/-0.000 χ²/NDF: 1503143723087747

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:0.0/11

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

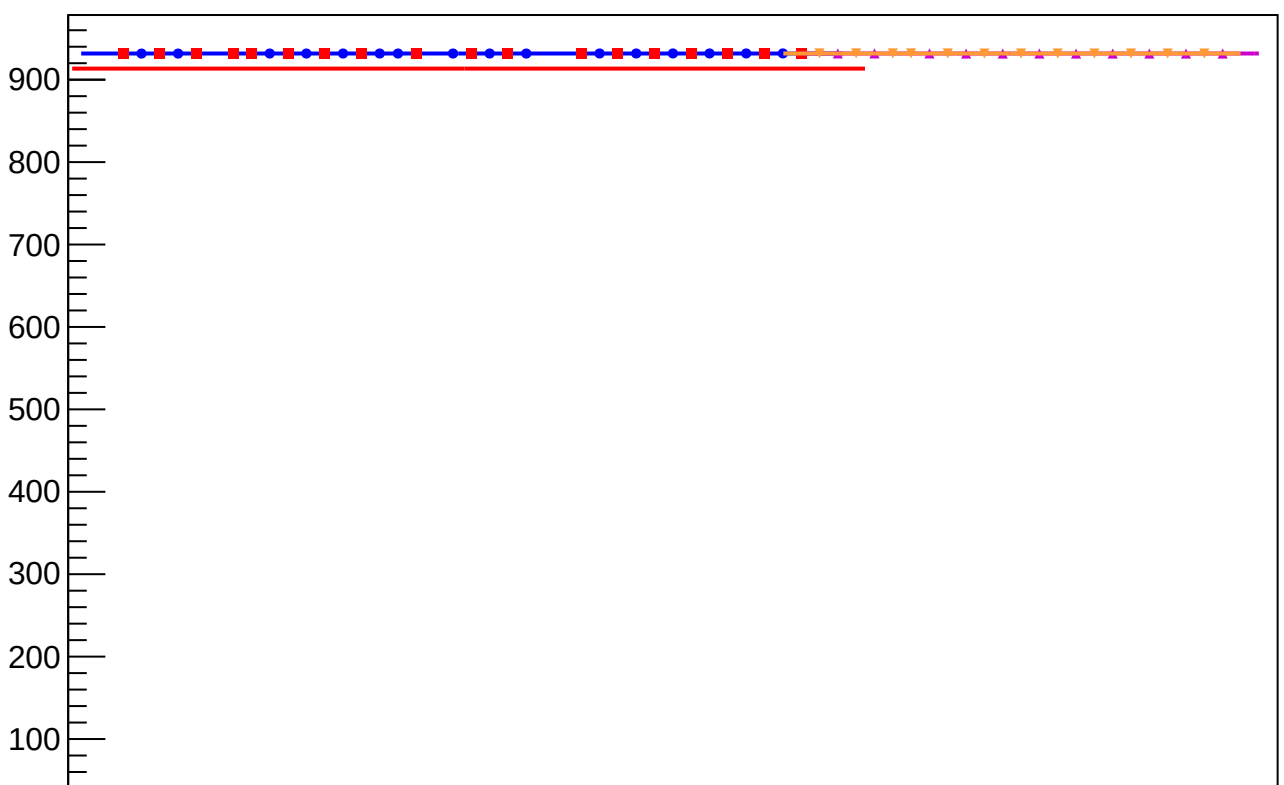
Left In: 0.009+/-0.000 χ^2/NDF:0.0/10

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/27

All: 0.009+/-0.000 χ^2/NDF: 0.5/57

- sign 0.009+/-0.000 χ^2/NDF: 0.2/29

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.779+/-0.000 χ^2/NDF: 701046704860773

Left Out: 931.786+/-0.000 χ^2/NDF:413385956125980596947669483520 0.0/11

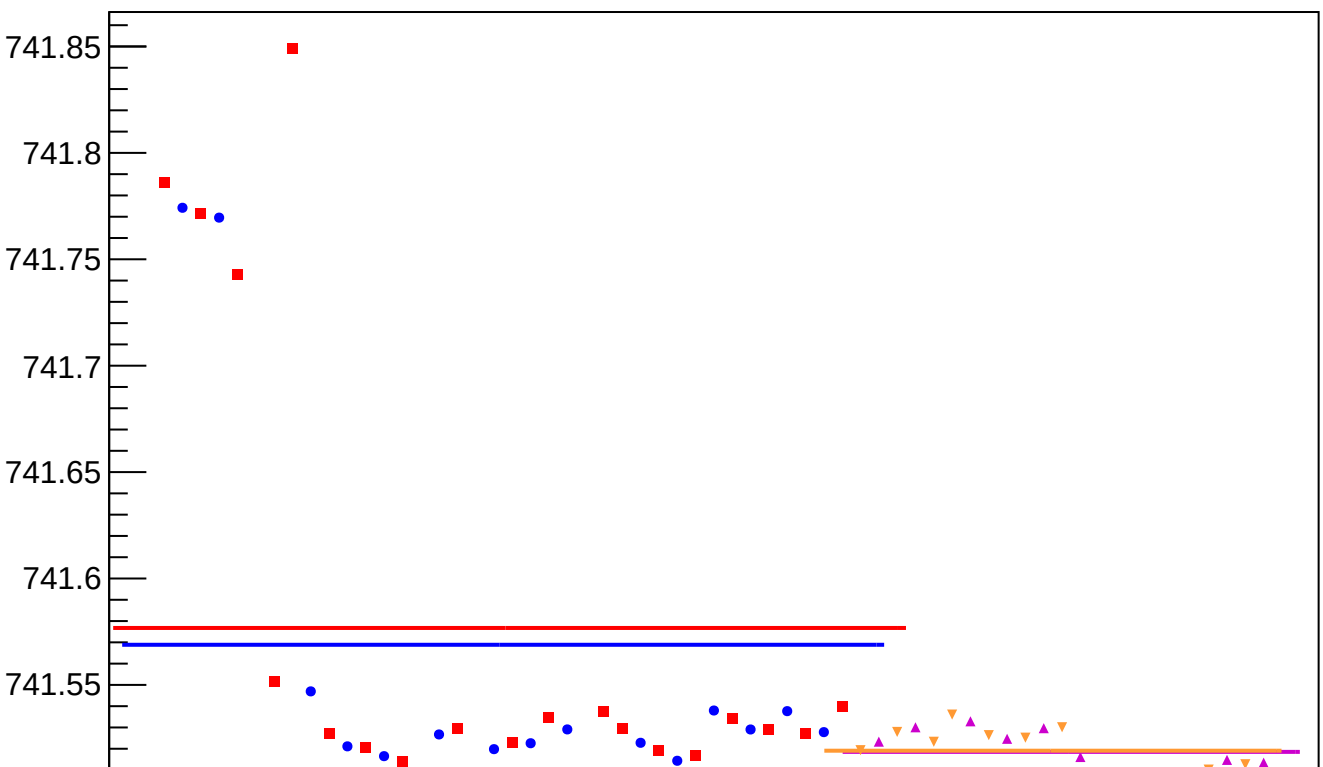
All: 927.773+/-0.000 χ^2/NDF: 12966243570

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:362687003840119287080015206809 6.0/10

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.519+/-0.000 χ^2/NDF:1000018175161059980699930460 16.0/11

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

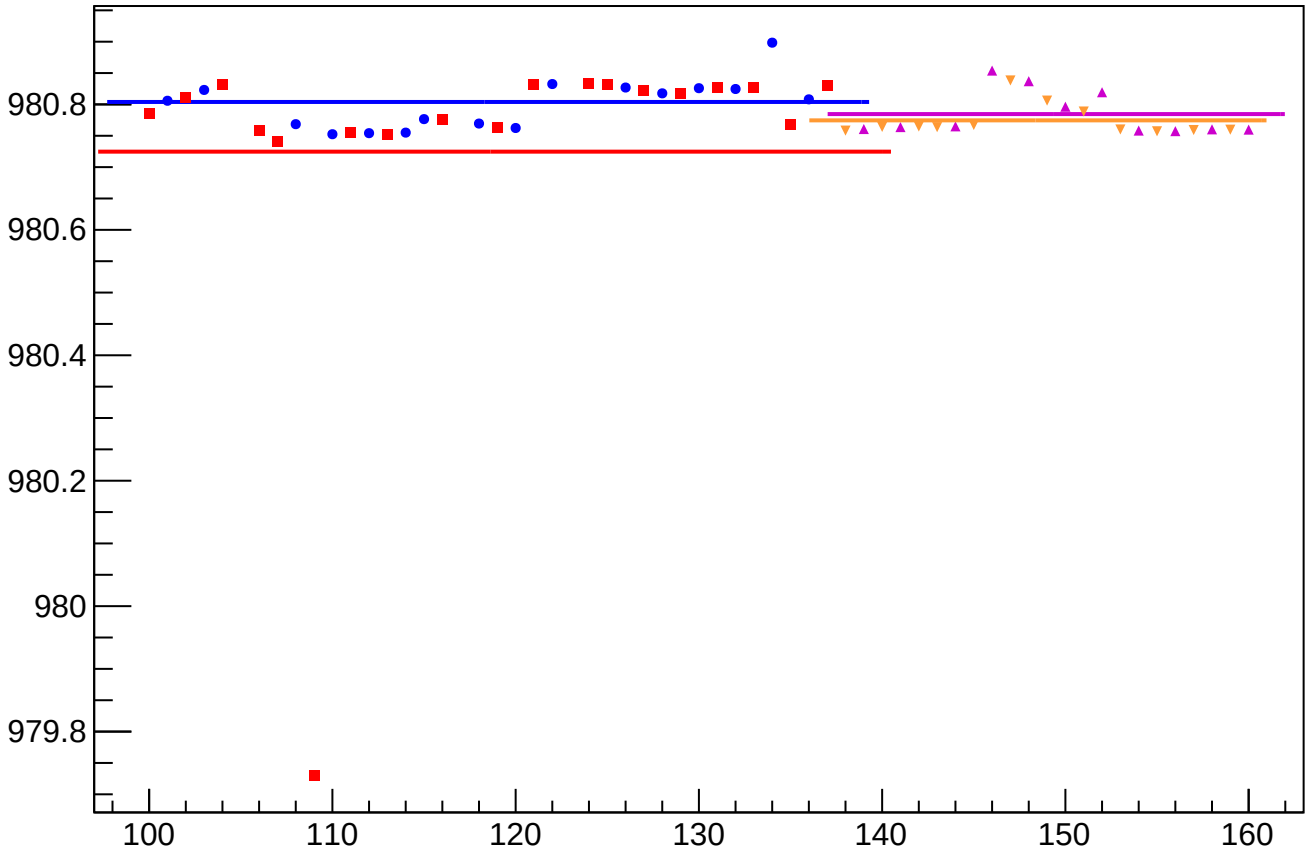
Left In: 741.519+/-0.000 χ^2/NDF:947795097279608587356859269 12.0/10

+ sign 741.540+/-0.000 χ^2/NDF: 758562297469021

All: 741.542+/-0.000 χ^2/NDF: 16846445673

- 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: 980.775+/-0.000 χ^2/NDF:5970210798267188901097295052800.0/11

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

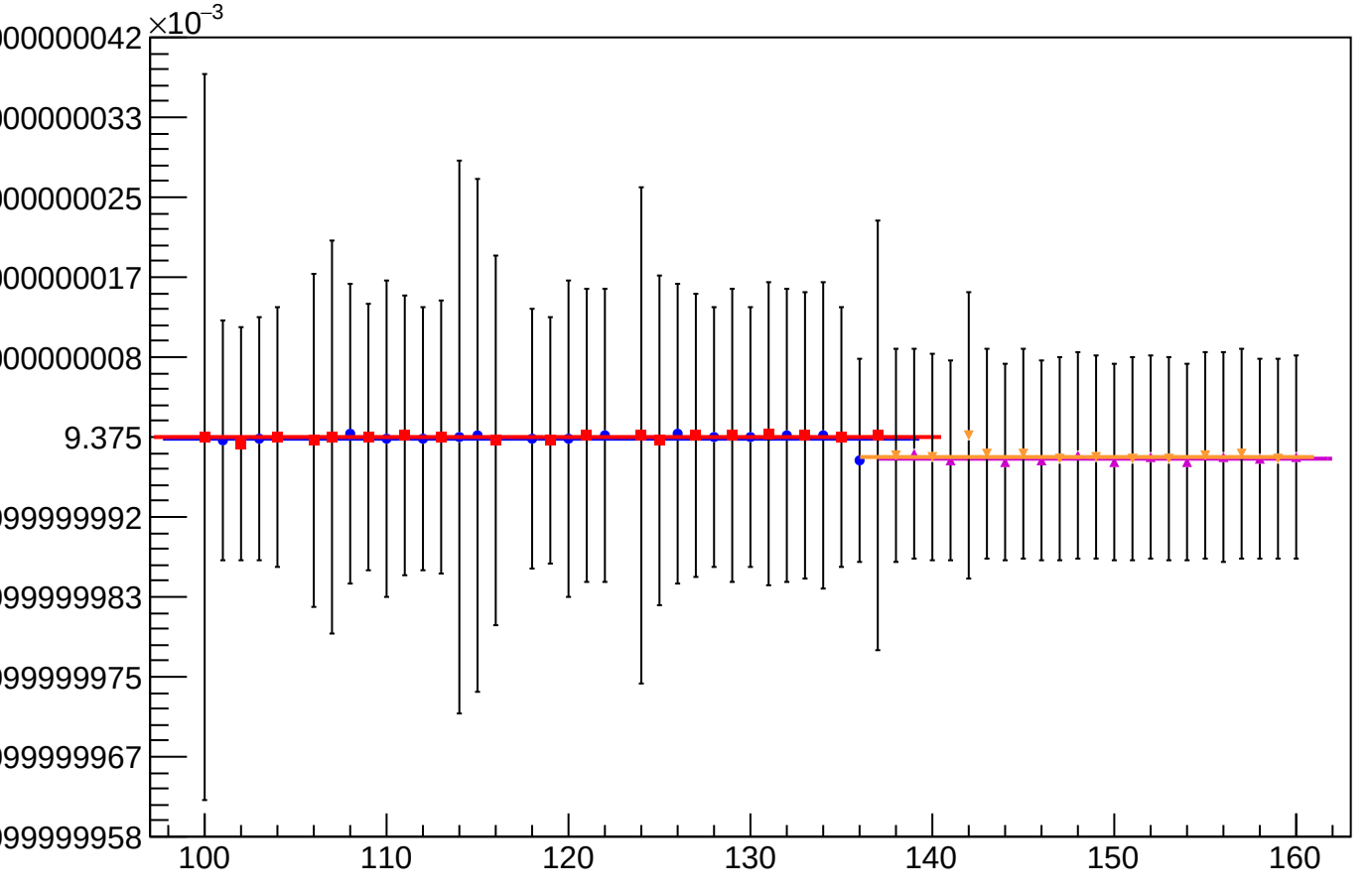
Left In: 980.785+/-0.000 χ^2/NDF:1156269226396905241876340146176.0/10

+ sign 980.787+/-0.000 χ^2/NDF: 189605721044703

All: 980.773+/-0.000 χ^2/NDF: 613513948387

- 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:0.0/11

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

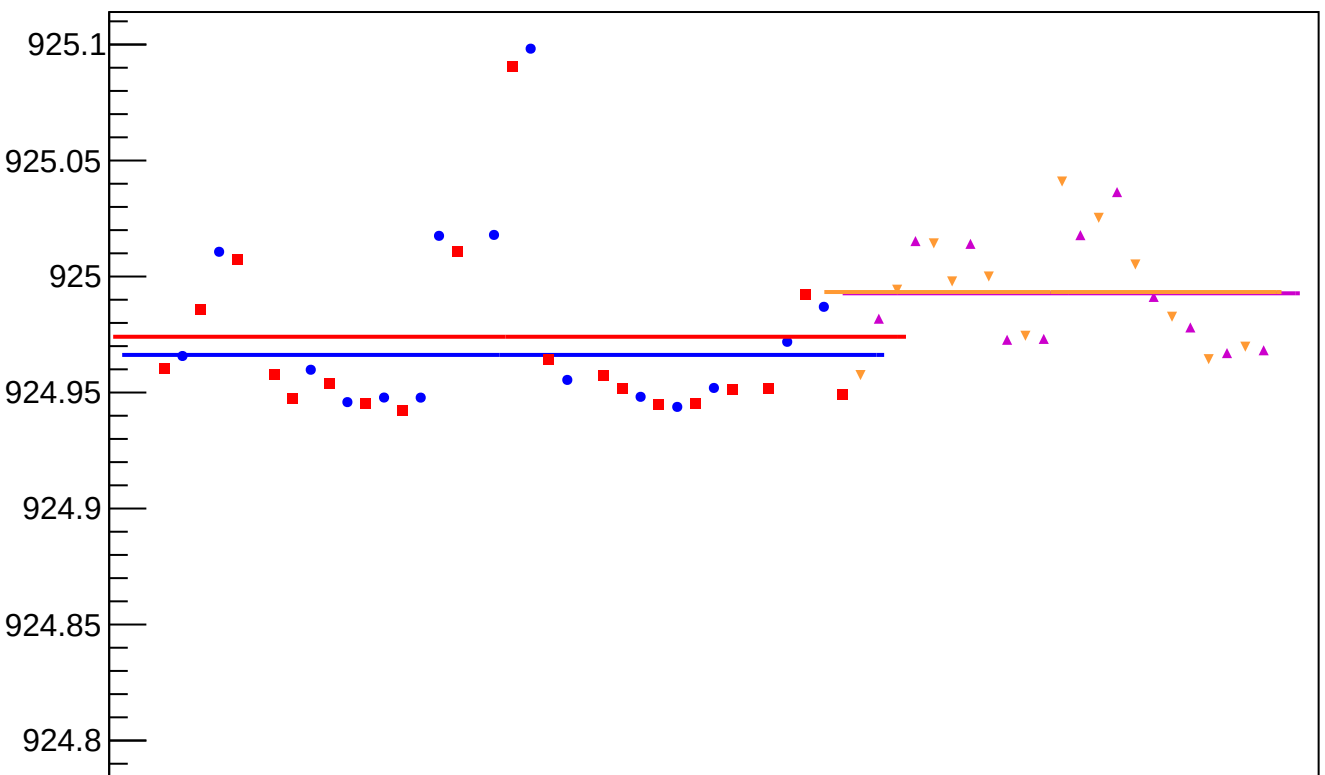
Left In: 0.009+/-0.000 χ^2/NDF:0.0/10

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/27

All: 0.009+/-0.000 χ^2/NDF: 0.5/57

- 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: 924.993+/-0.000 χ^2/NDF:5959780086261740539337758474240.0/11

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

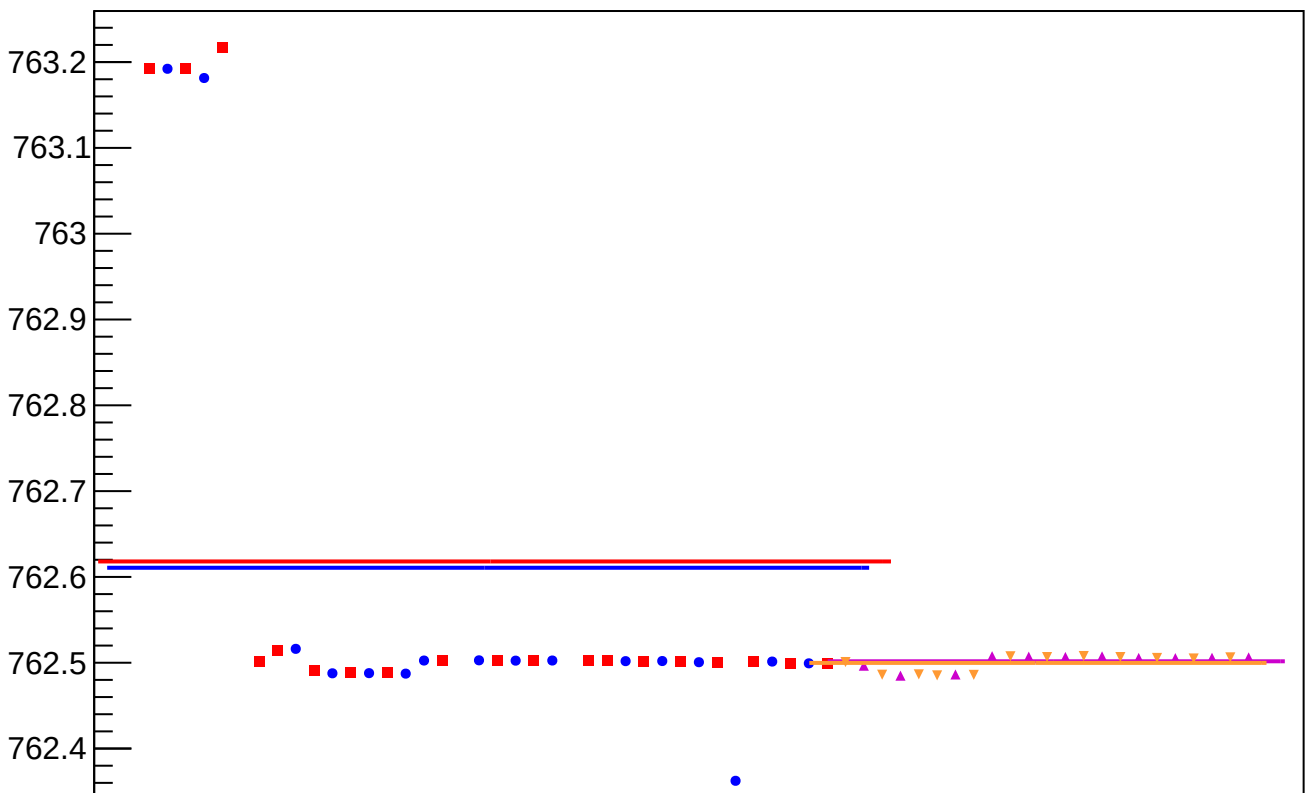
Left In: 924.993+/-0.000 χ^2/NDF:532373844786563881516299976704.0/10

+ sign 924.982+/-0.000 χ^2/NDF: 345258782573765

All: 924.983+/-0.000 χ^2/NDF: 538544293798

- 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: 762.500+/-0.000 χ^2/NDF:866787854100929117214956584960.0/11

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

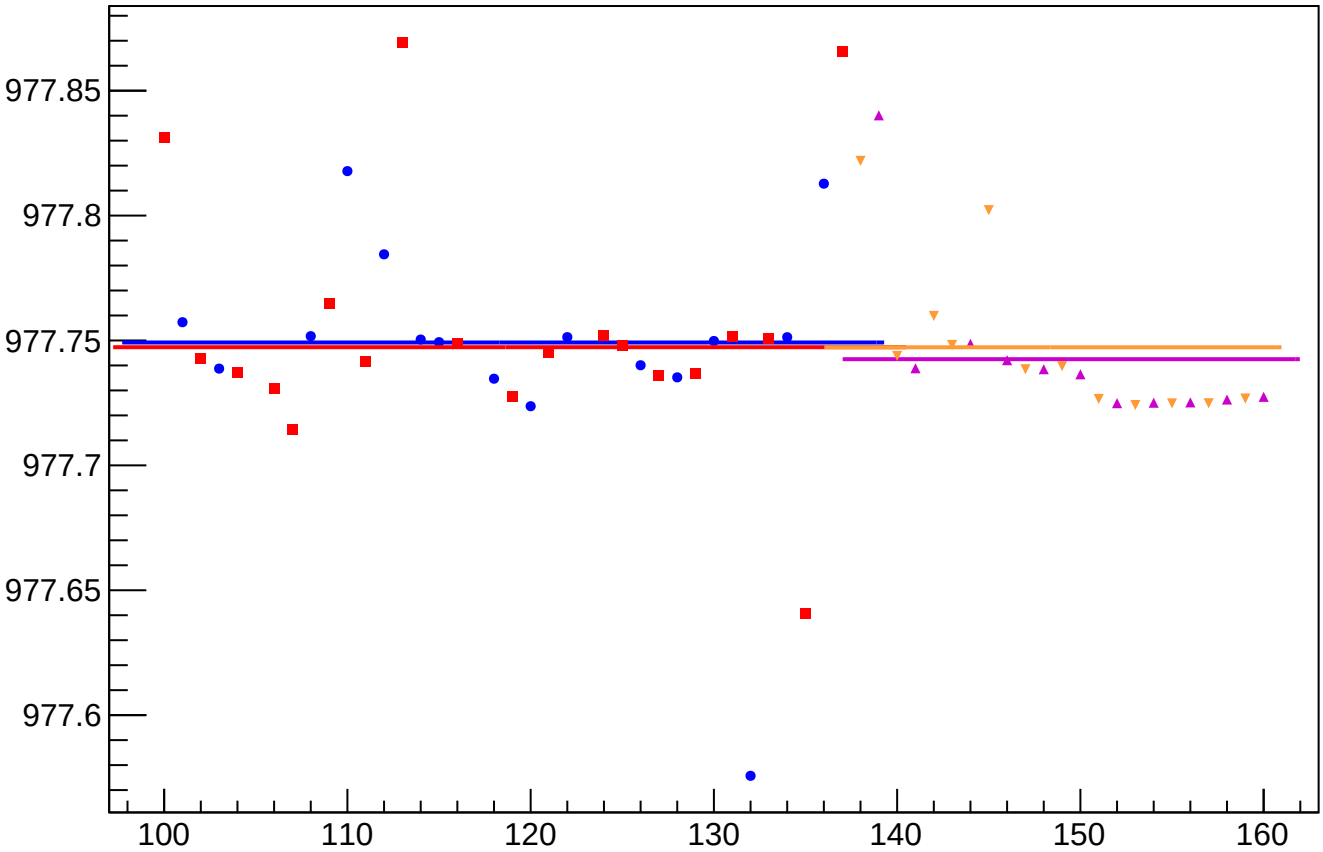
Left In: 762.502+/-0.000 χ^2/NDF:68004402463480746583741431808.0/10

+ sign 762.547+/-0.000 χ^2/NDF: 574723354572666

All: 762.550+/-0.000 χ^2/NDF: 116538991655

- 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: 977.747+/-0.000 χ^2/NDF:93354489203452802039488394035 2.0/11

Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623 6672.0/18

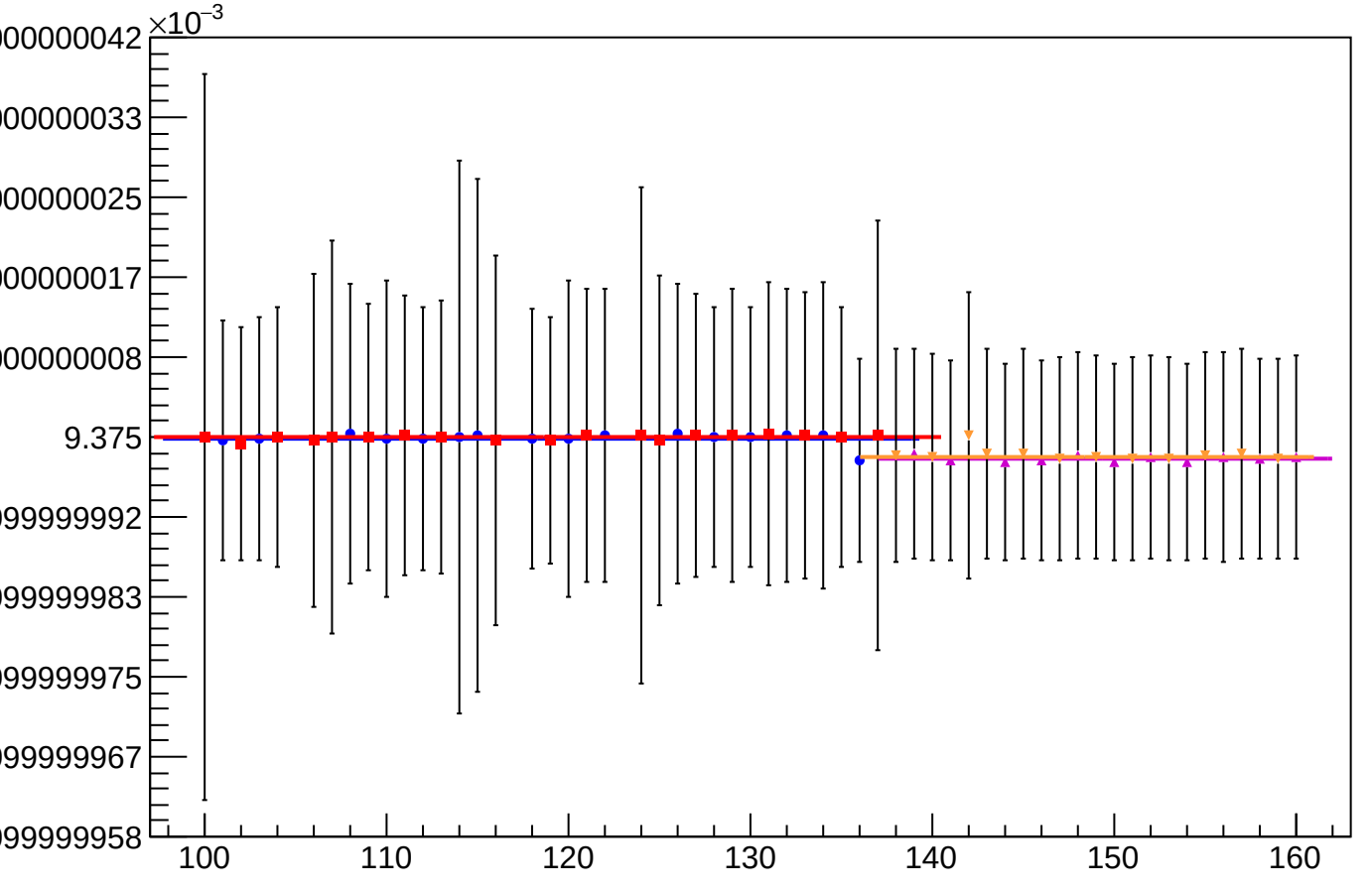
Left In: 977.743+/-0.000 χ^2/NDF:93607488009007622835555794944 0.0/10

+ sign 977.748+/-0.000 χ^2/NDF: 28946954900062

All: 977.746+/-0.000 χ^2/NDF: 5633581312

- 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:0.0/11

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

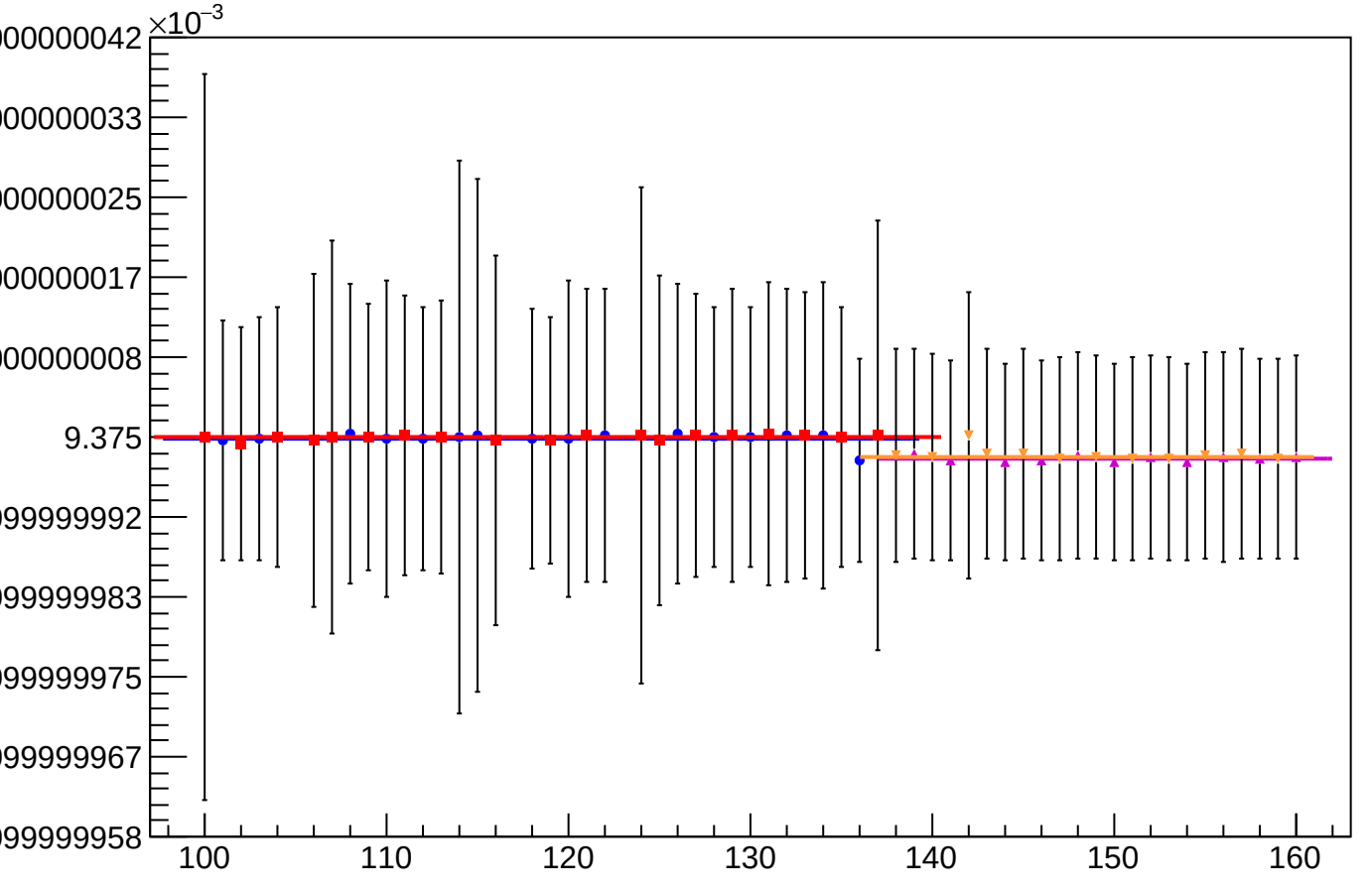
Left In: 0.009+/-0.000 χ^2/NDF:0.0/10

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/27

All: 0.009+/-0.000 χ^2/NDF: 0.5/57

- 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:0.0/11

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

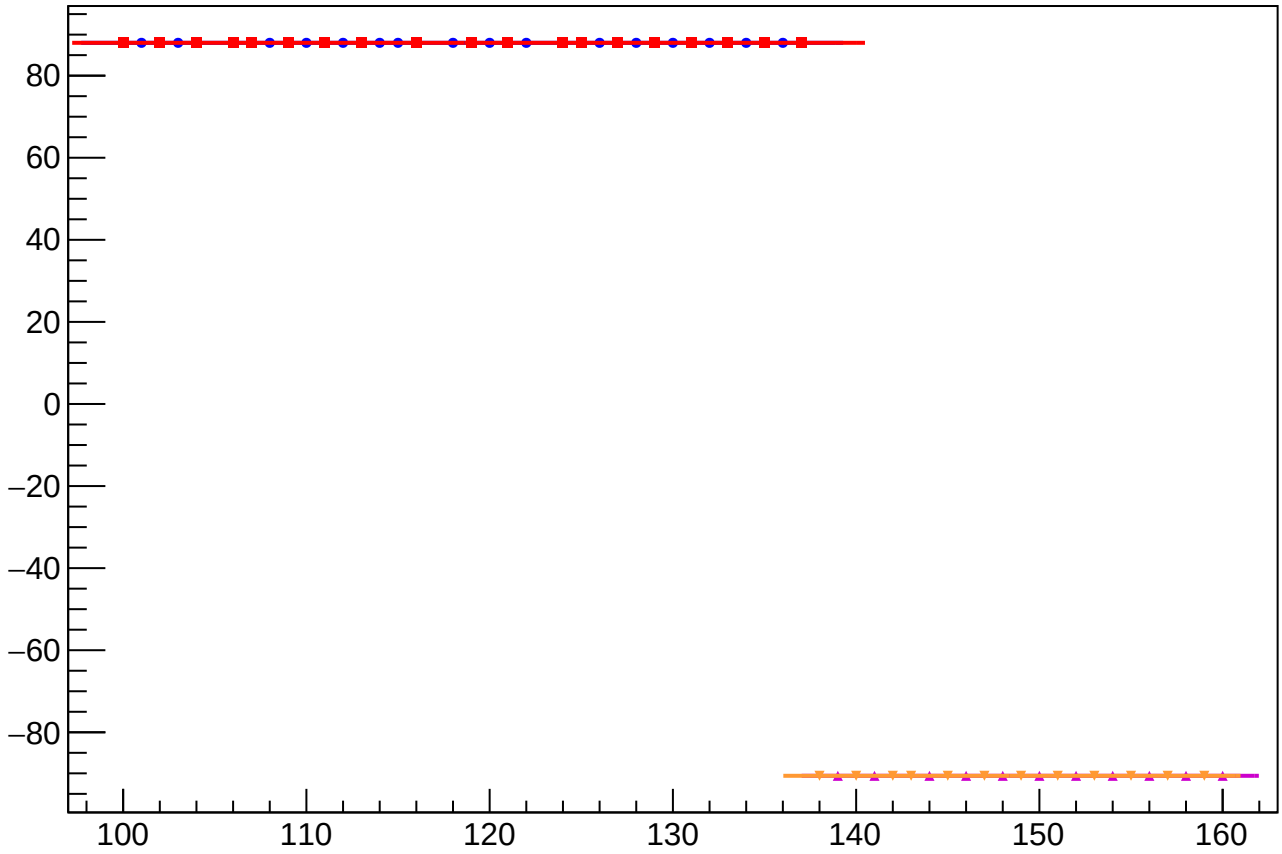
Left In: 0.009+/-0.000 χ^2/NDF:0.0/10

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/27

All: 0.009+/-0.000 χ^2/NDF: 0.5/57

- 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:3002164.8/11

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

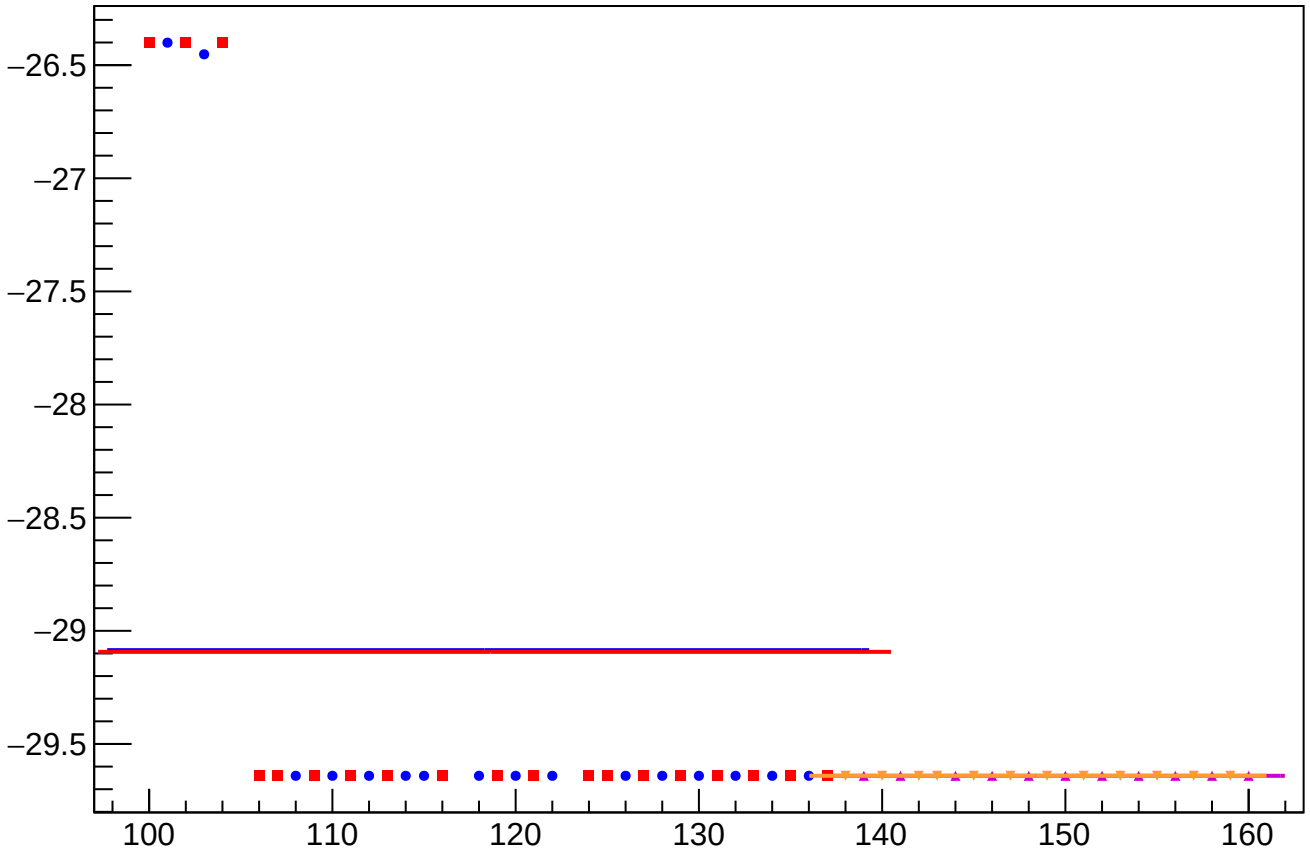
Left In: -90.599+/-0.000 χ^2/NDF:661381.0/10

+ sign -14.409+/-0.000 χ^2/NDF: 135531622375129

All: -13.698+/-0.000 χ^2/NDF: 27318296510

- sign -12.995+/-0.000 χ^2/NDF: 137633874196317

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:184391.5/11

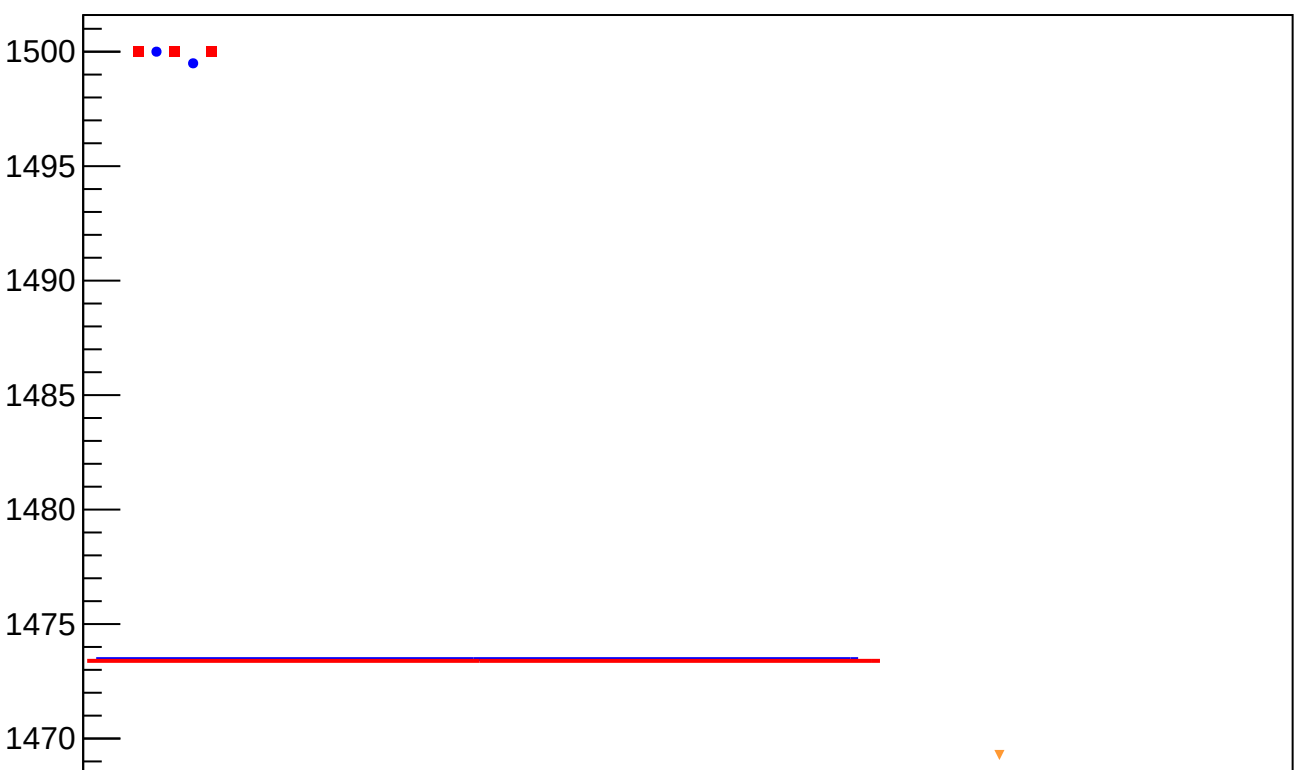
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:44037.4/10

+ sign -29.404+/-0.000 χ^2/NDF: 122538824100666

All: -29.403+/-0.000 χ^2/NDF: 248009765359

- sign -29.403+/-0.000 χ^2/NDF: 125470830341685



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

+ sign 1470.392+/-0.000 χ^2/NDF: 1192548685398 4

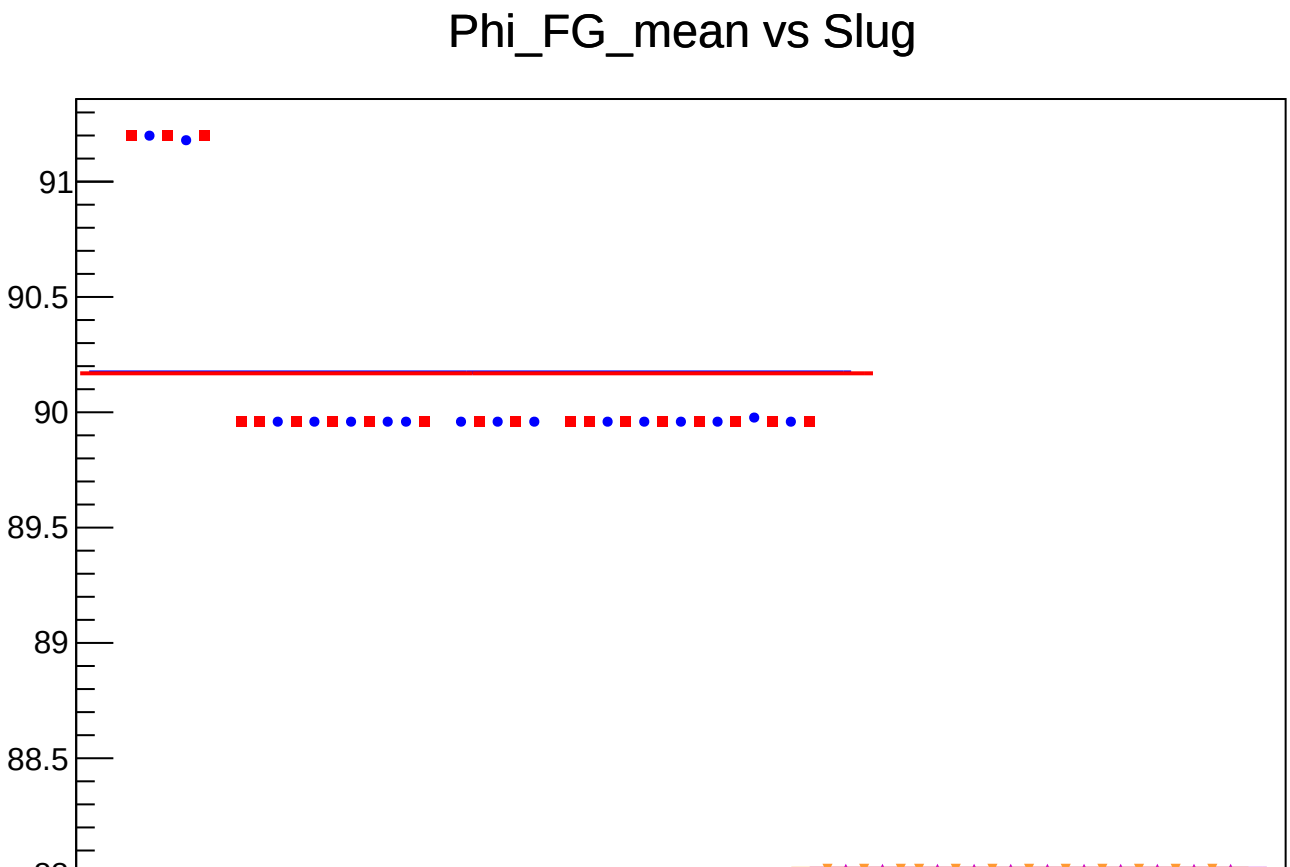
Left Out: 1468.103+/-0.000 χ^2/NDF:13411843758819586644632647237632 0.0/11

All: 1470.364+/-0.000 χ^2/NDF: 241771082 98

Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

- sign 1470.337+/-0.000 χ^2/NDF: 12251359575541

Left In: 1467.988+/-0.000 χ^2/NDF:98391137935120172986419642368.0/10



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2523345.2/11

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 88.939+/-0.000 χ^2/NDF: 2127824505742884

All: 88.946+/-0.000 χ^2/NDF: 428404596462

- 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:990358246153921935022489 6.0/11

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

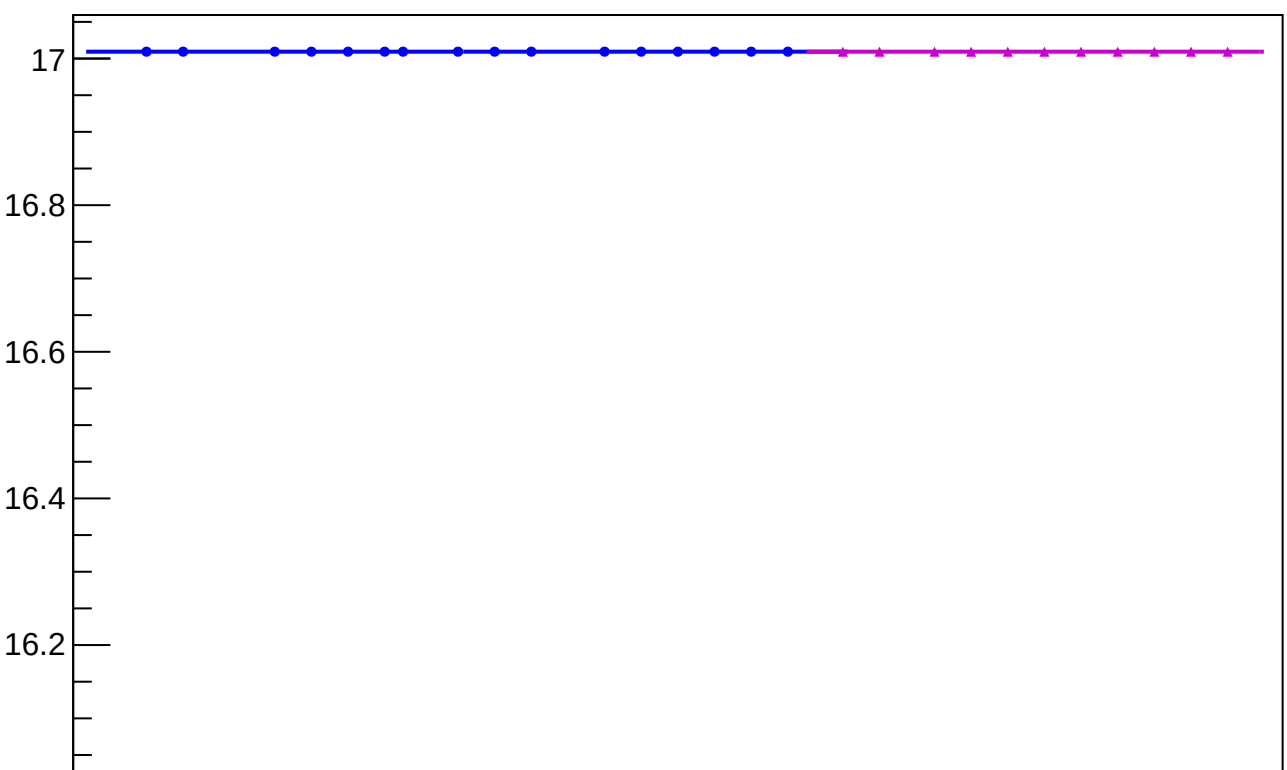
Left In: 16.009+/-0.000 χ^2/NDF:104319.0/10

+ sign 16.568+/-0.000 χ^2/NDF: 3921352445622378

All: 16.501+/-0.000 χ^2/NDF: 8033461975609

- 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:57984.4/11

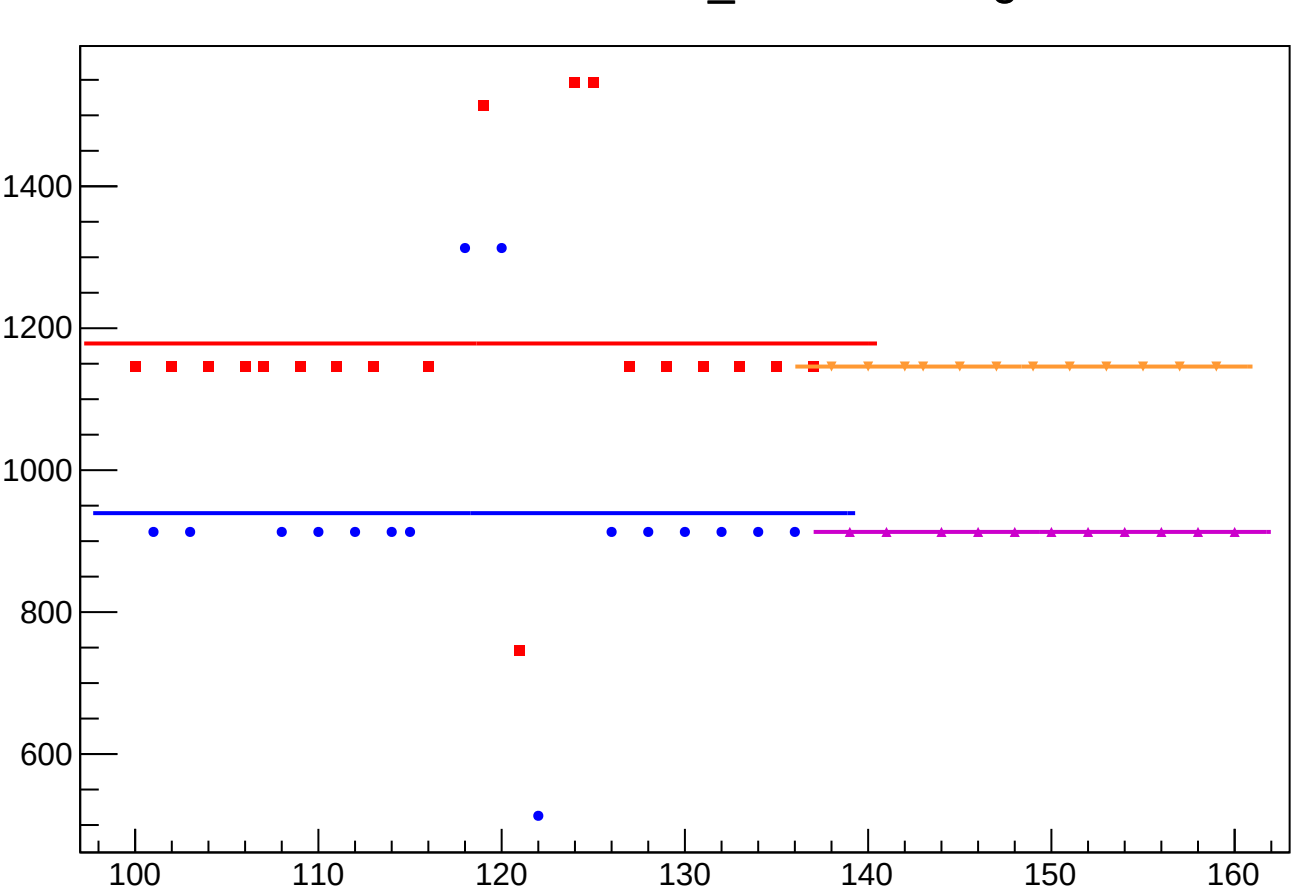
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:17468.5/10

+ sign 16.427+/-0.000 χ^2/NDF: 4119297520661159

All: 16.501+/-0.000 χ^2/NDF: 857996504514

- sign 16.573+/-0.000 χ^2/NDF: 4277285796434370



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1057.891+/-0.000 χ^2/NDF: 3921259699335

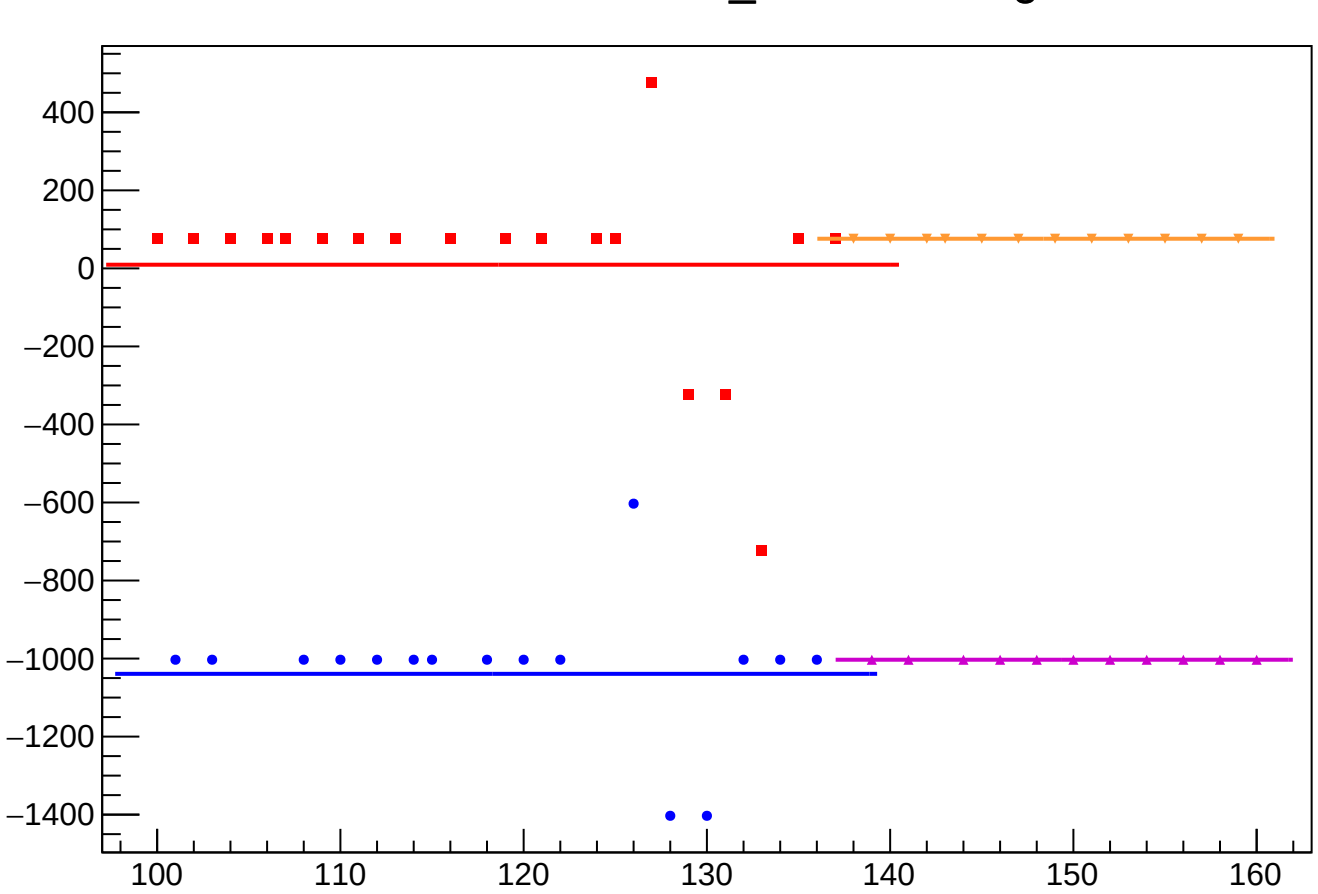
Left Out: 1146.011+/-0.000 χ^2/NDF:285755347715323657081533235 2.0/11

All: 1043.047+/-0.000 χ^2/NDF: 925328944

Right Out: 1178.513+/-0.000 χ^2/NDF: 2214025995812327756548110611483774 1568.0/18

- sign 1028.365+/-0.000 χ^2/NDF: 52559028322776

Left In: 912.994+/-0.000 χ^2/NDF:104930661056363679733461811 20.0/10



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Left Out: 76.011+/-0.000 χ^2/NDF:4076855540886493554785910784.0/11

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

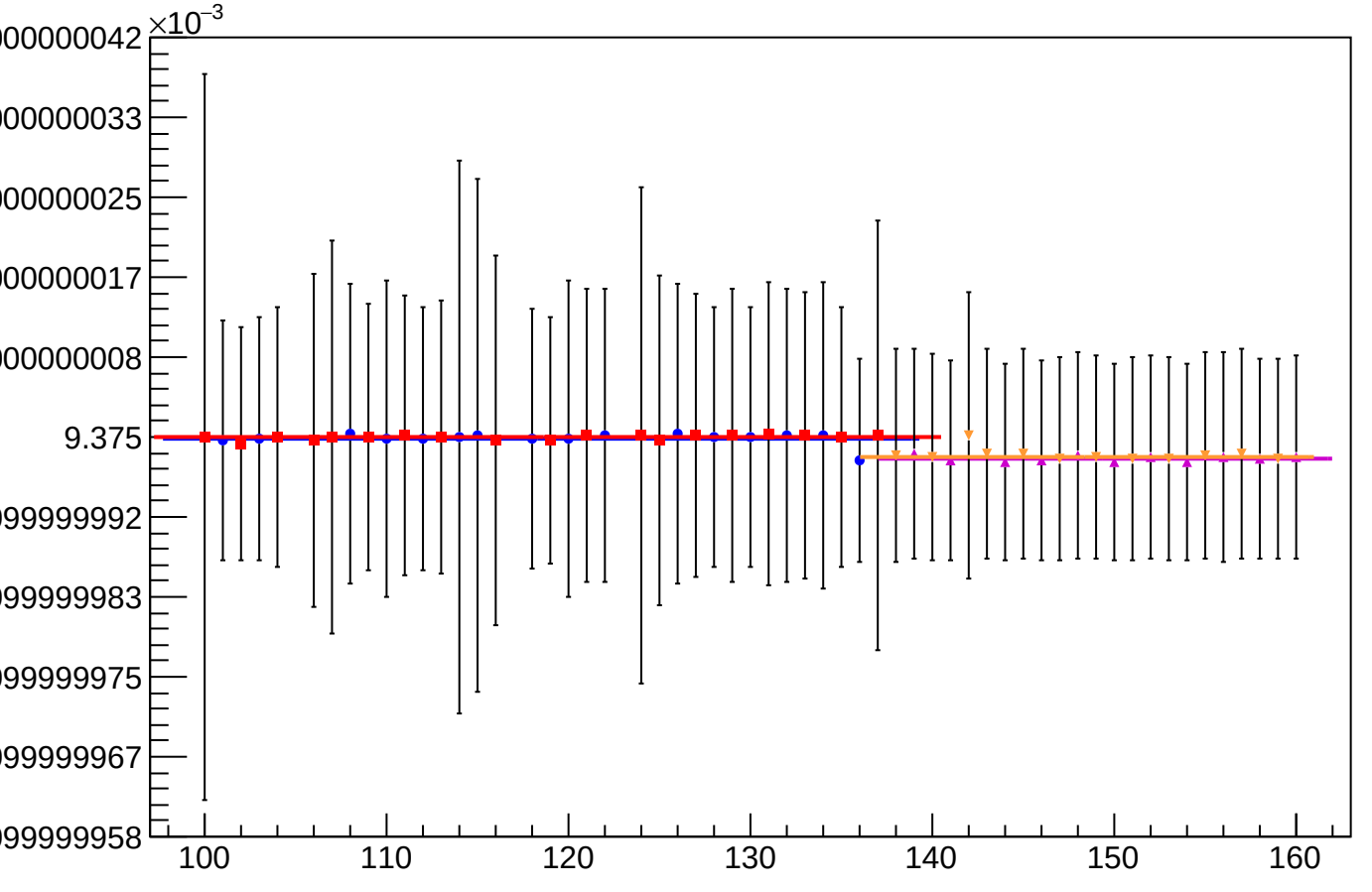
Left In: -1002.990+/-0.000 χ^2/NDF:151345769797738278229219737 6.0/10

+ sign -399.717+/-0.000 χ^2/NDF: 55126434787754

All: -481.844+/-0.000 χ^2/NDF: 10628790845

- sign -563.083+/-0.000 χ^2/NDF: 48830974256587

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:0.0/11

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

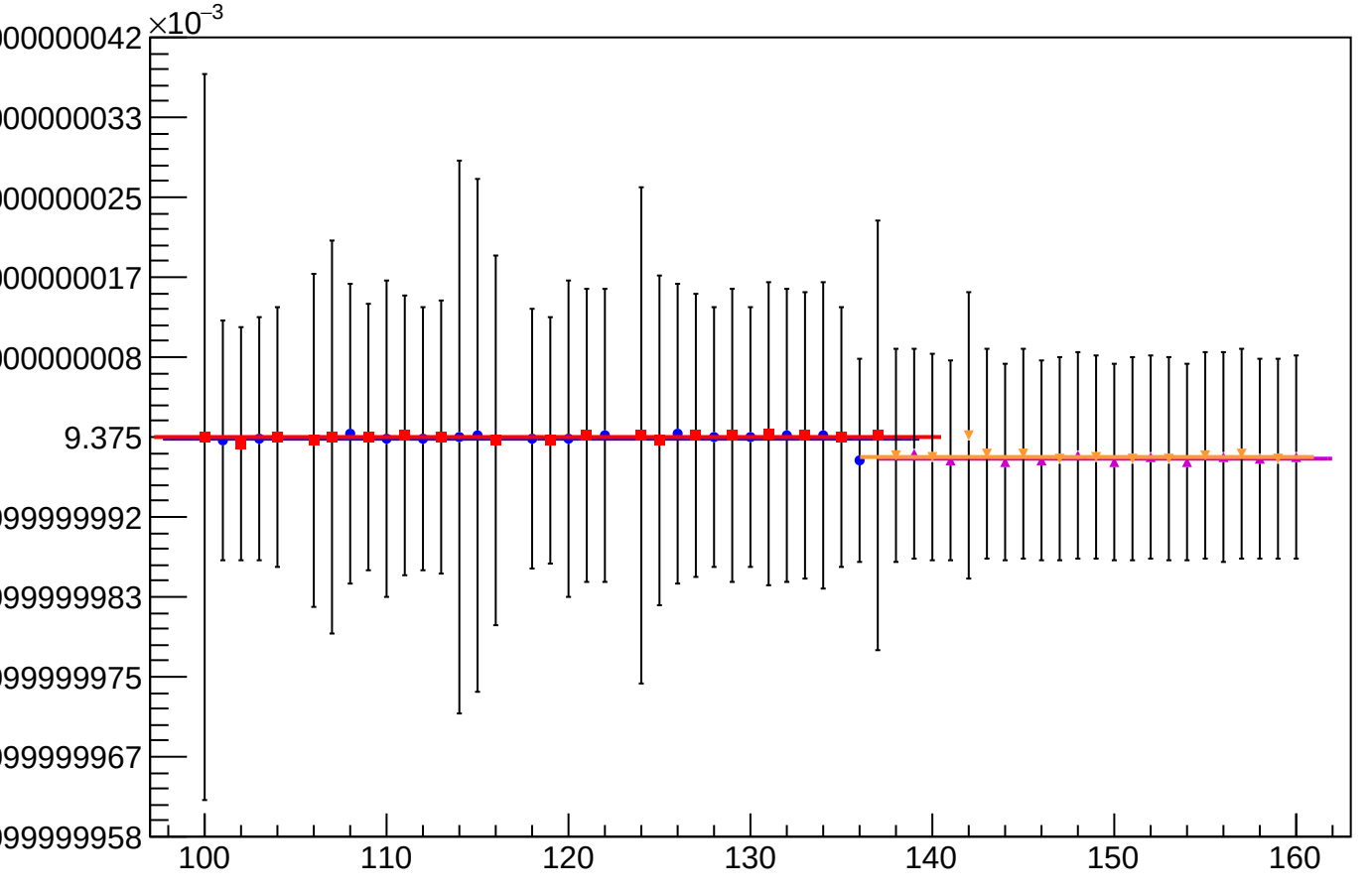
Left In: 0.009+/-0.000 χ^2/NDF:0.0/10

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/27

All: 0.009+/-0.000 χ^2/NDF: 0.5/57

- 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:0.0/11

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: 0.2/27

All: 0.009+/-0.000 χ^2/NDF: 0.5/57

- sign 0.009+/-0.000 χ^2/NDF: 0.2/29